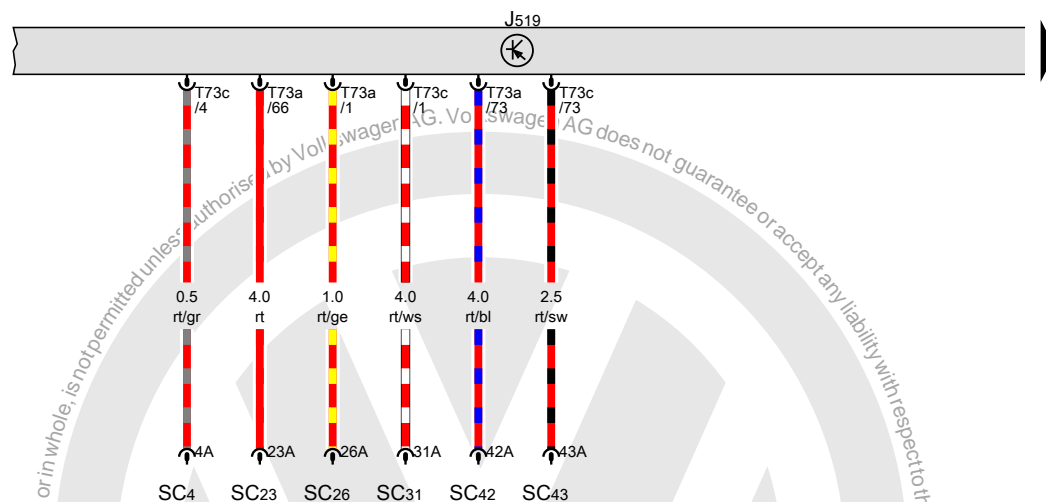


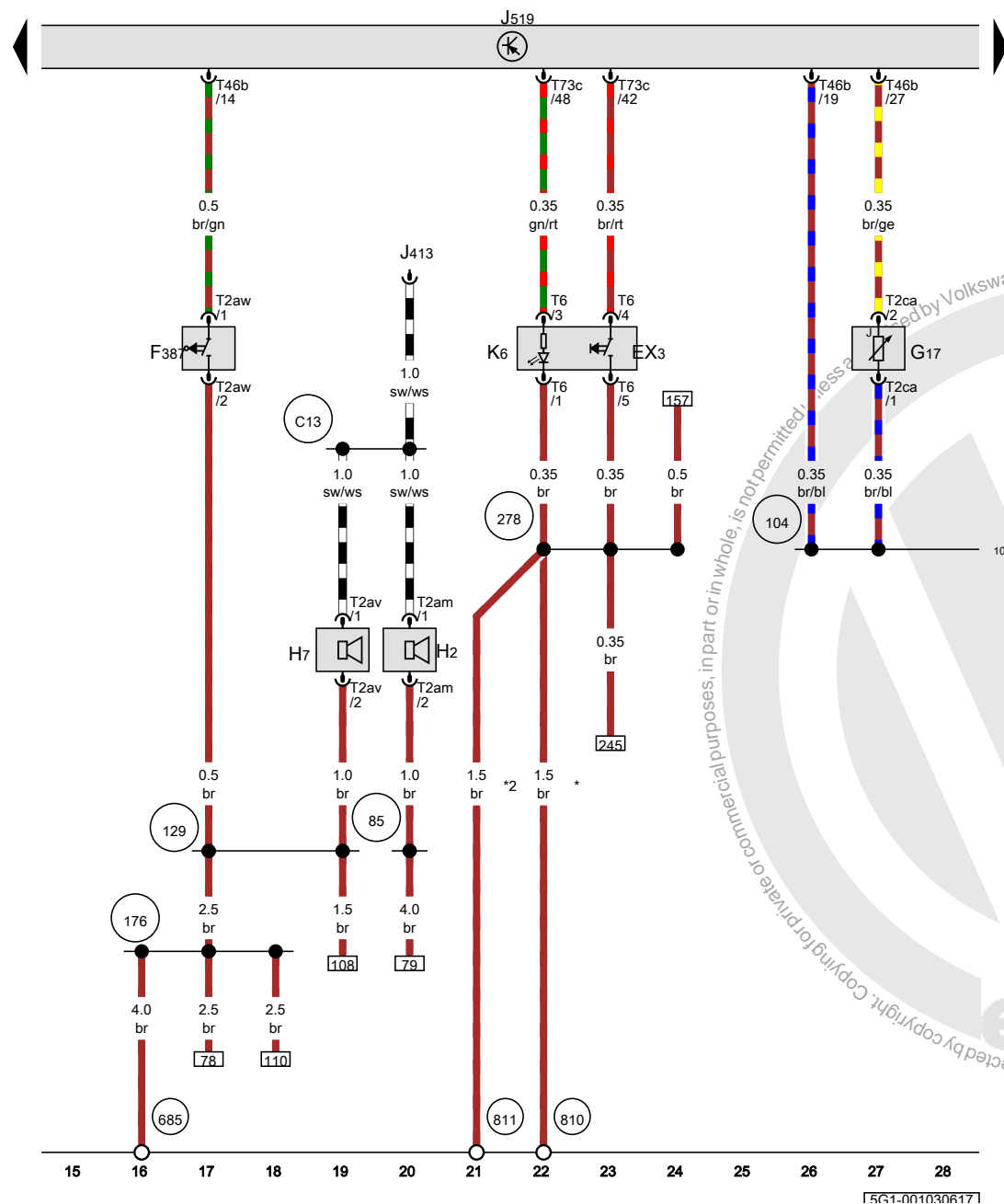


Onboard supply control unit

- J519 Onboard supply control unit
- SC4 Fuse 4 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- T73a 73-pin connector, black
- T73c 73-pin connector



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

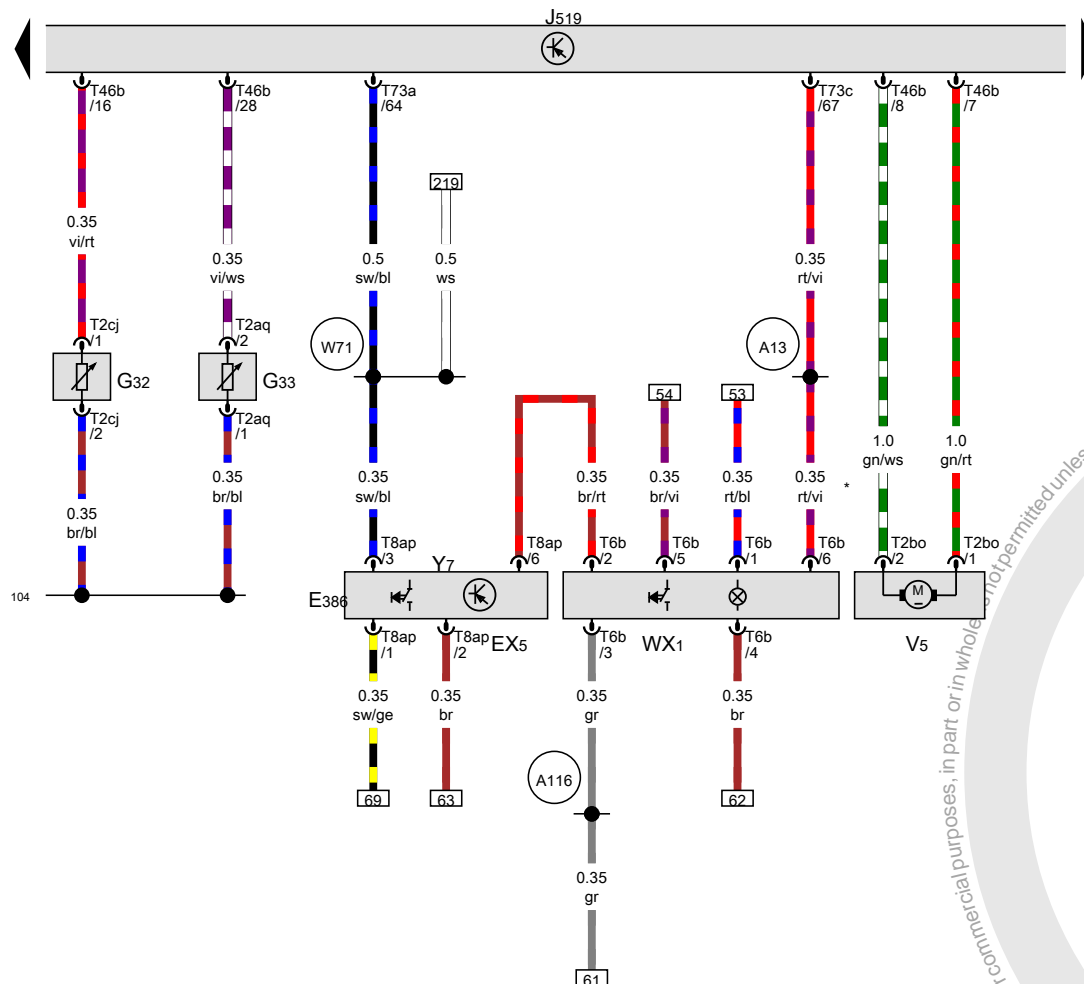


Hazard warning light switch, Bonnet contact switch,
Ambient temperature sensor, Treble horn, Bass horn,
Onboard supply control unit

- | | |
|------|---|
| EX3 | Hazard warning light switch |
| F387 | Bonnet contact switch |
| G17 | Ambient temperature sensor |
| H2 | Treble horn |
| H7 | Bass horn |
| J413 | Horn relay |
| J519 | Onboard supply control unit |
| K6 | Indicator lamp for hazard warning light |
| T2am | 2-pin connector |
| T2av | 2-pin connector |
| T2aw | 2-pin connector |
| T2ca | 2-pin connector, black |
| T6 | 6-pin connector |
| T46b | 46-pin connector |
| T73c | 73-pin connector |
| 85 | Earth connection 1, in engine compartment wiring harness |
| 104 | Earth connection in front right wiring harness - sensor earth - |
| 129 | Earth connection, in dual tone horn wiring harness |
| 176 | Earth connection, in right headlight wiring harness |
| 278 | Earth connection 4, in interior wiring harness |
| 685 | Earth point 1, on front of right longitudinal member |
| 810 | Earth point on central tube for dash panel, centre left |
| 811 | Earth point on central tube for dash panel, centre right |
| C13 | Positive connection in dual tone horn wiring harness |

- | | | |
|----|---|--------|
| ws | = | white |
| sw | = | black |
| ro | = | red |
| rt | = | red |
| br | = | brown |
| gn | = | green |
| bl | = | blue |
| gr | = | grey |
| li | = | purple |
| vi | = | purple |
| ge | = | yellow |
| or | = | orange |
| rs | = | pink |

* For left-hand drive models
*2 For right-hand drive models



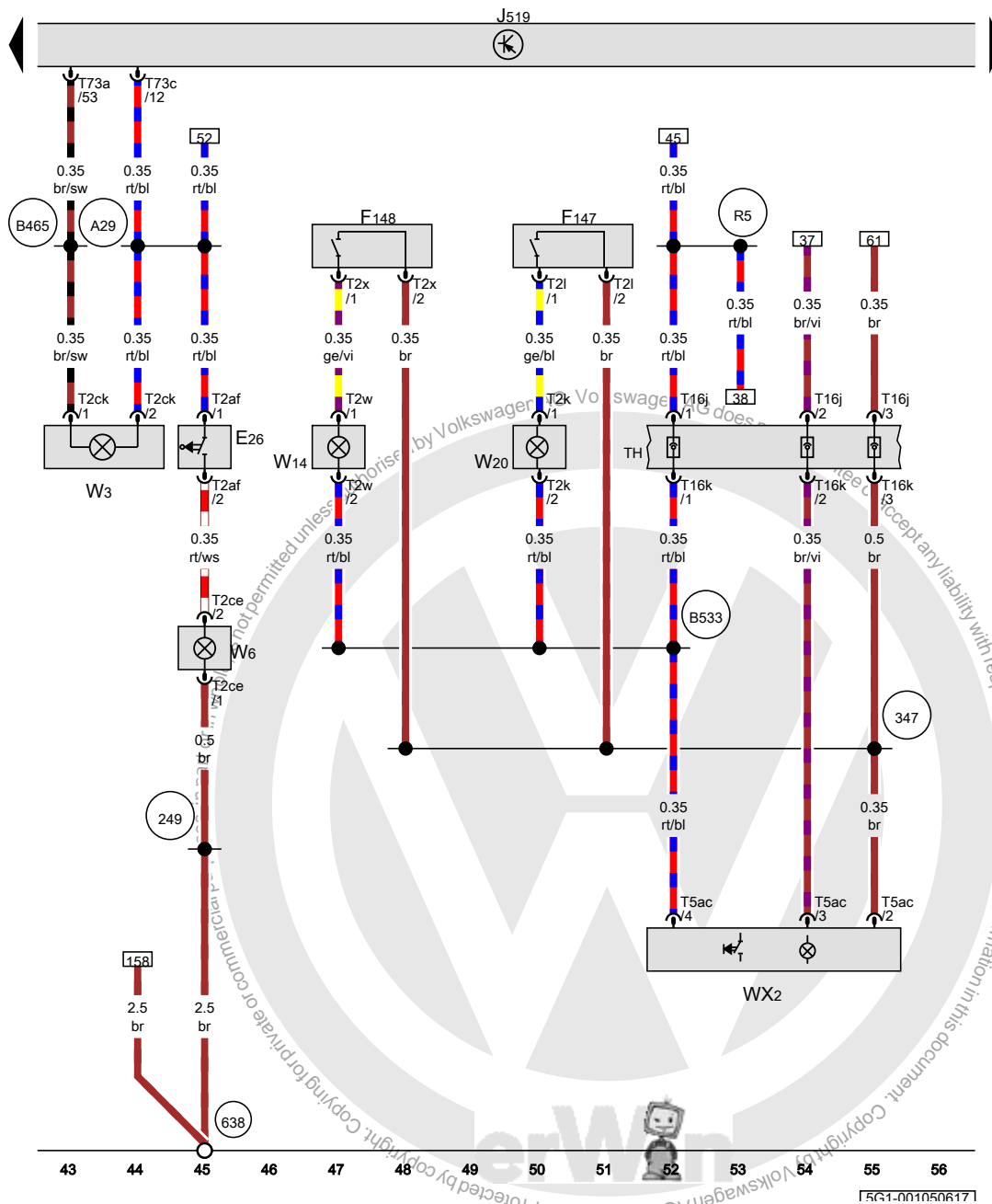
Interior mirror, Anti-dazzle interior mirror button, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit, Washer pump, Front interior light

- EX5 Interior mirror
- E386 Anti-dazzle interior mirror button
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2bo 2-pin connector
- T2cj 2-pin connector
- T6b 6-pin connector
- T8ap 8-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- V5 Washer pump
- WX1 Front interior light
- Y7 Automatic anti-dazzle interior mirror

- 104 Earth connection in front right wiring harness - sensor earth -
- A13 Connection (door contact switch), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- W71 Connection (reversing light), in rear wiring harness

* According to equipment

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

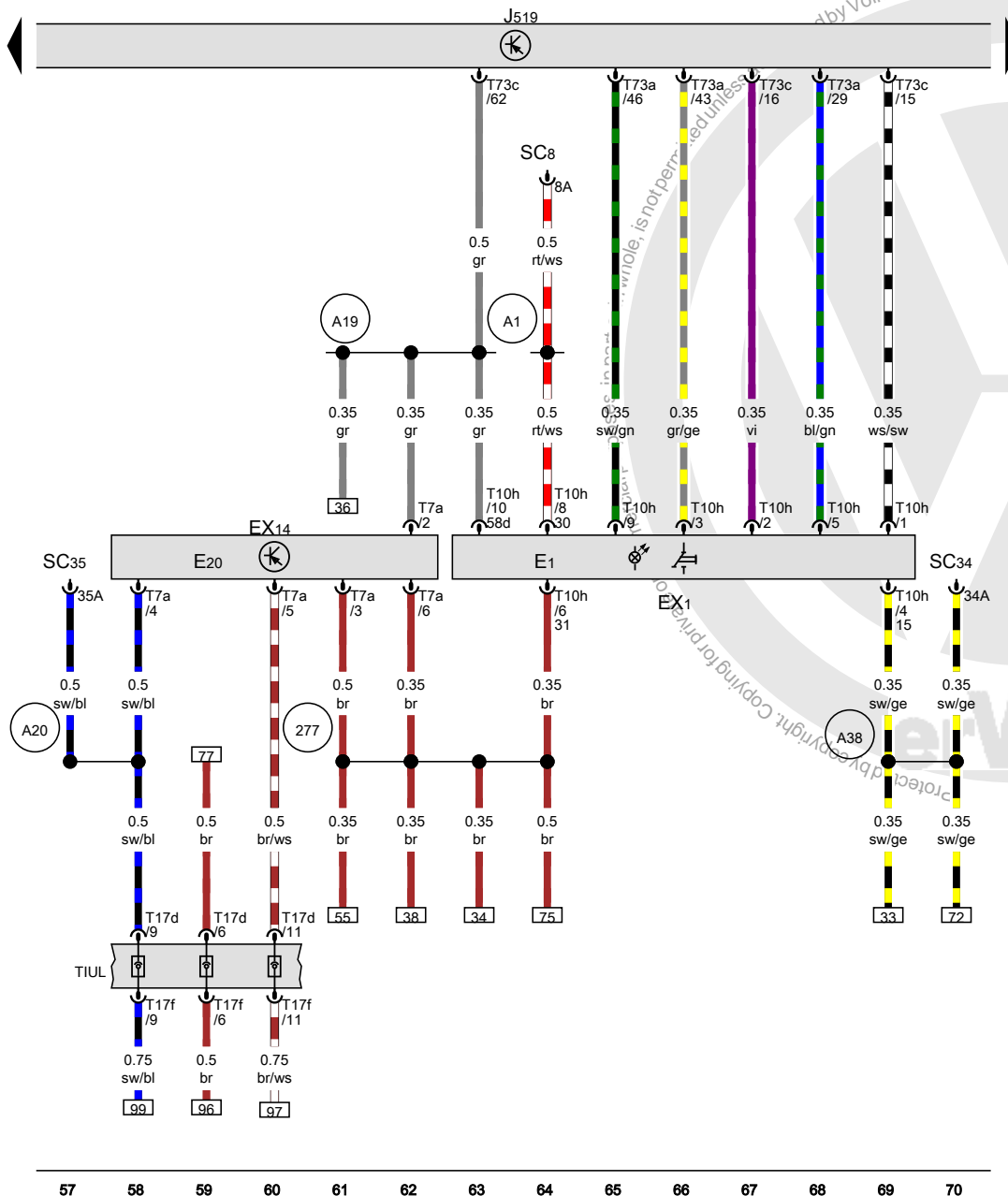


Glove compartment light switch, Driver vanity mirror contact switch, Front passenger vanity mirror contact switch, Onboard supply control unit, Rear interior light, Luggage compartment light, Glove compartment light, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror

- E26 Glove compartment light switch
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- T2af 2-pin connector
- T2ce 2-pin connector
- T2ck 2-pin connector
- T2k 2-pin connector
- T2l 2-pin connector
- T2w 2-pin connector
- T2x 2-pin connector
- T5ac 5-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T73a 73-pin connector, black
- T73c 73-pin connector
- TH Coupling point for roof
- WX2 Rear interior light
- W3 Luggage compartment light
- W6 Glove compartment light
- W14 Front passenger side illuminated vanity mirror
- W20 Driver side illuminated vanity mirror

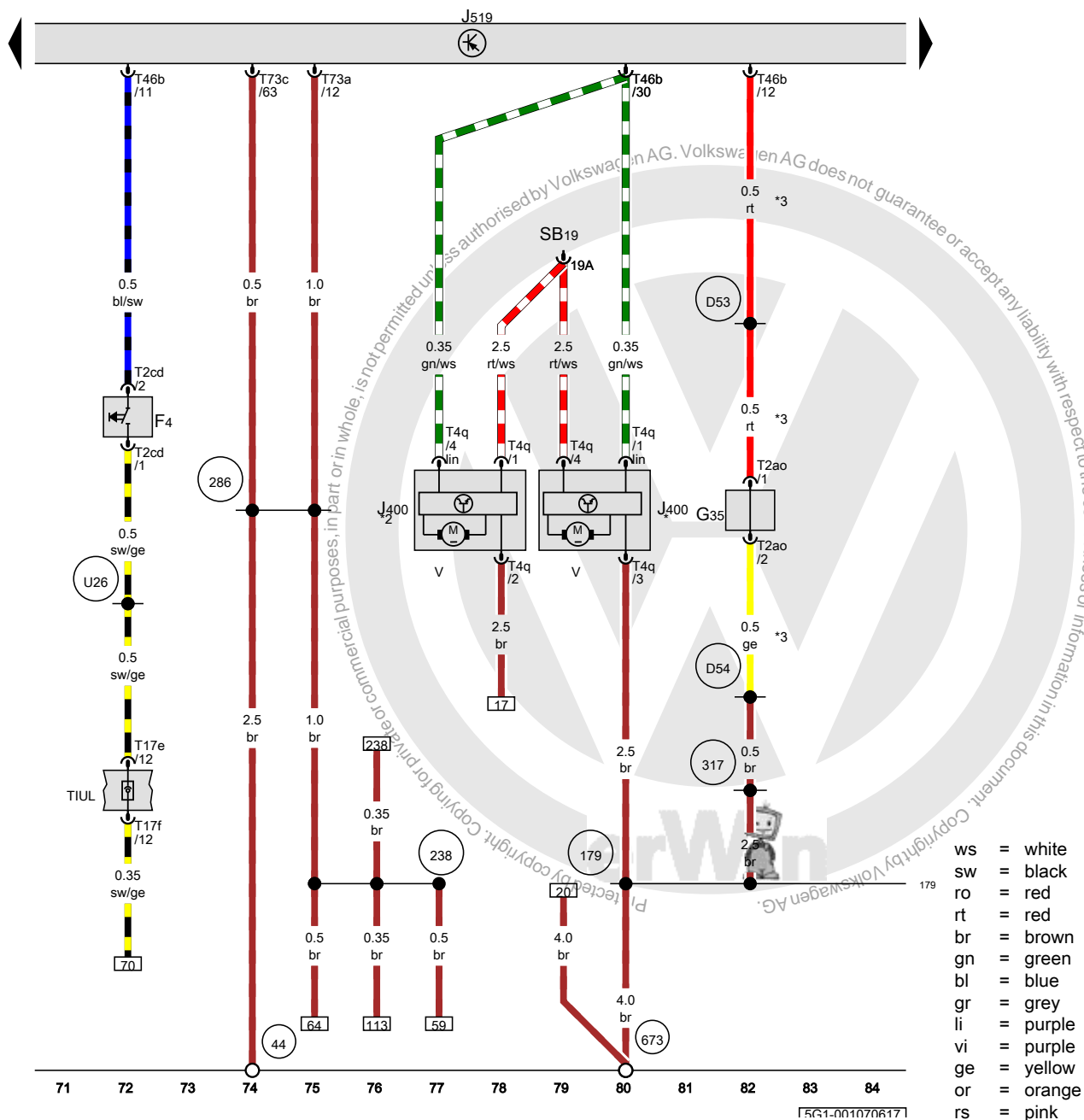
- 249 Earth connection 2, in interior wiring harness
- 347 Earth connection, in roof wiring harness
- 638 Earth point, on right A-pillar
- A29 Connection (interior light), in dash panel wiring harness
- B465 Connection 1, in main wiring harness
- B533 Connection 1 (DCT), in roof wiring harness
- R5 Connection 2, in interior light wiring harness

Light switch, Switch and instrument illumination regulator, Onboard supply control unit



- E1 Light switch
- EX1 Rotary light switch
- EX14 Headlight range control and instrument illumination regulator
- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T7a 7-pin connector
- T10h 10-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 277 Earth connection 3, in interior wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness

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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



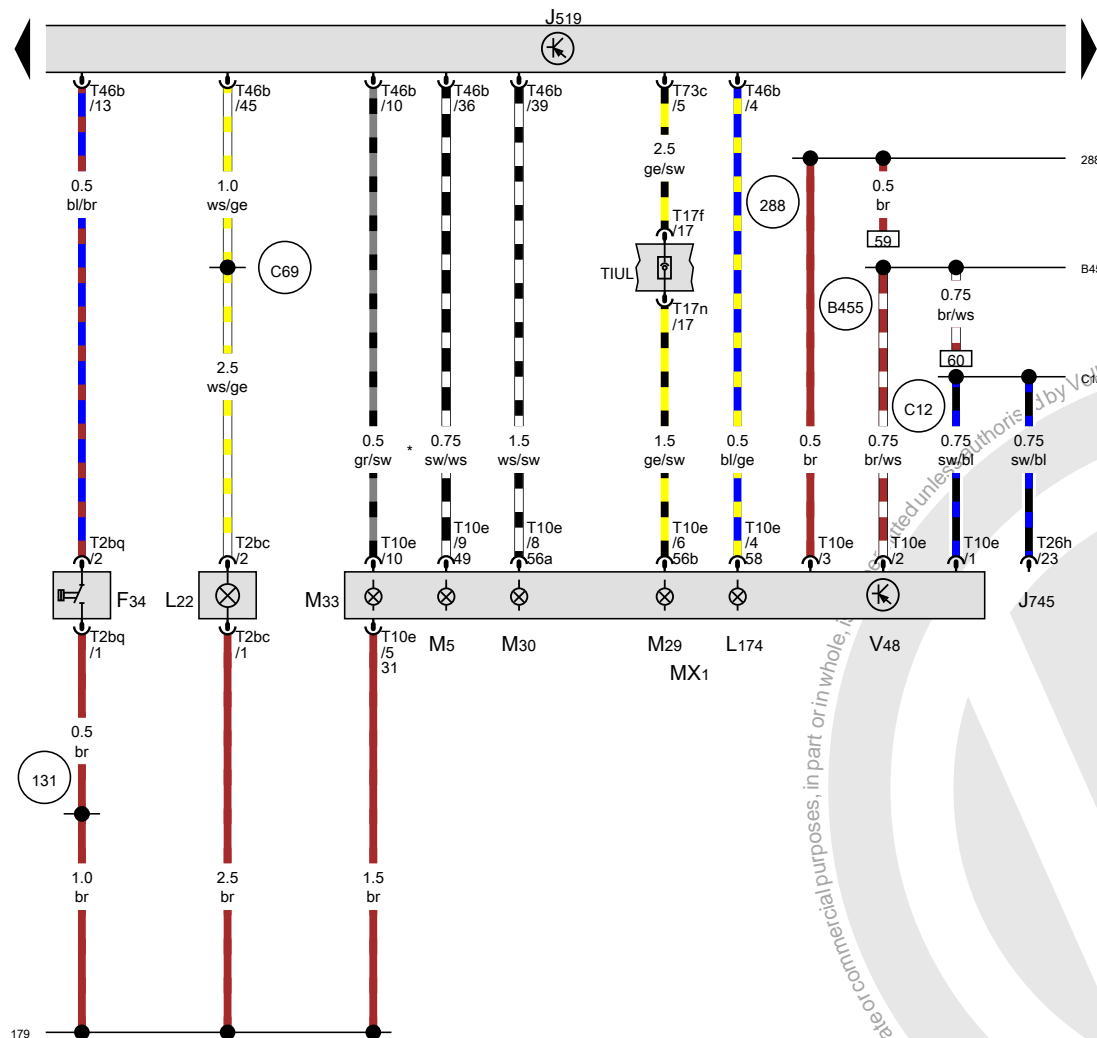
Reversing light switch, Front right brake pad wear sender, Wiper motor control unit, Onboard supply control unit

- F4 Reversing light switch
- G35 Front right brake pad wear sender
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- SB19 Fuse 19 on fuse holder B
- T2ao 2-pin connector
- T2cd 2-pin connector
- T4q 4-pin connector
- T17e 17-pin connector, brown
- T17f 17-pin connector, black
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- V Windscreen wiper motor

- 44 Earth point, lower part of left A-pillar
- 179 Earth connection, in left headlight wiring harness
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D53 Connection (right brake wear indicator), in engine compartment wiring harness
- D54 Connection (right brake wear indicator), in engine compartment wiring harness
- U26 Connection (15), in gearbox switch wiring harness

- * For left-hand drive models
- *2 For right-hand drive models
- *3 Different wire colour possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



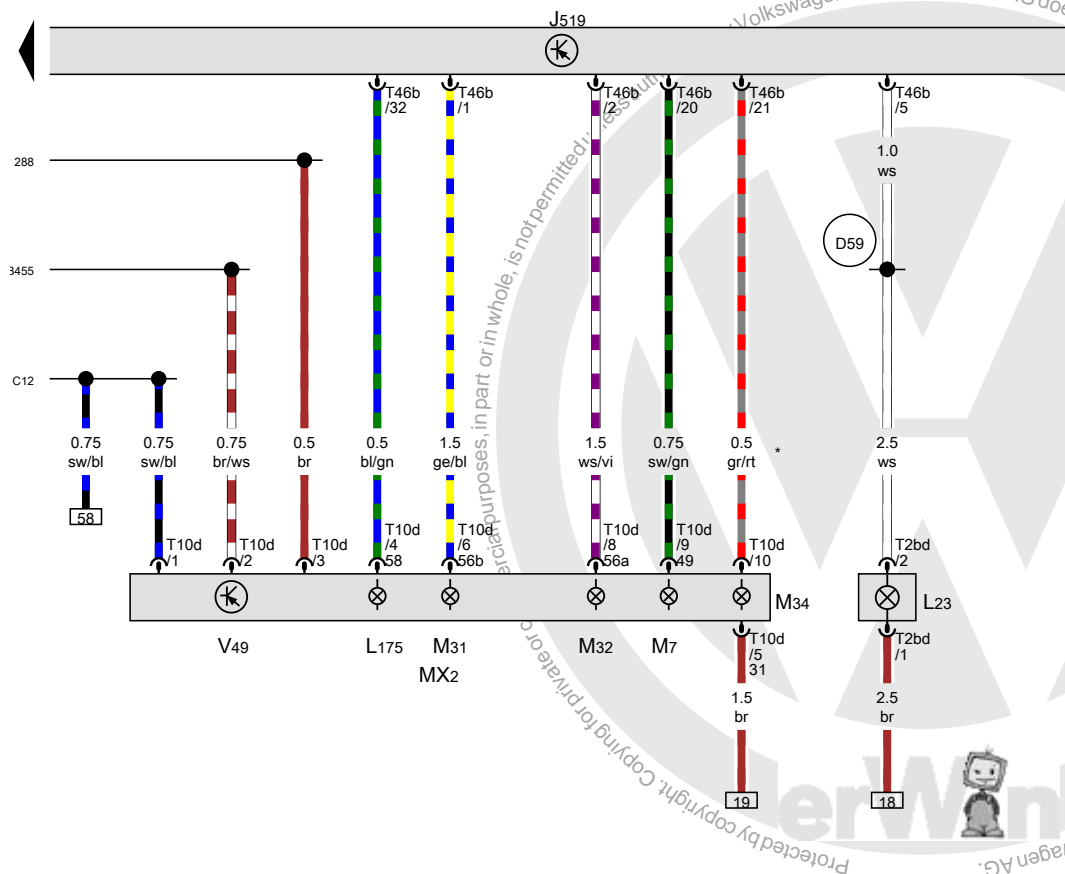
Brake fluid level warning contact, Onboard supply control unit, Control unit for cornering light and headlight range control, Left fog light bulb, Left daytime running light bulb, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Front left side marker bulb, Left headlight range control motor

- F34 Brake fluid level warning contact
- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- L22 Left fog light bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- M33 Front left side marker bulb
- T2bc 2-pin connector
- T2bq 2-pin connector
- T10e 10-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- T26h 26-pin connector
- T46b 46-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- V48 Left headlight range control motor

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- B455 Connection (HRC), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- C69 Front left connection (fog light), in main wiring harness

* According to equipment

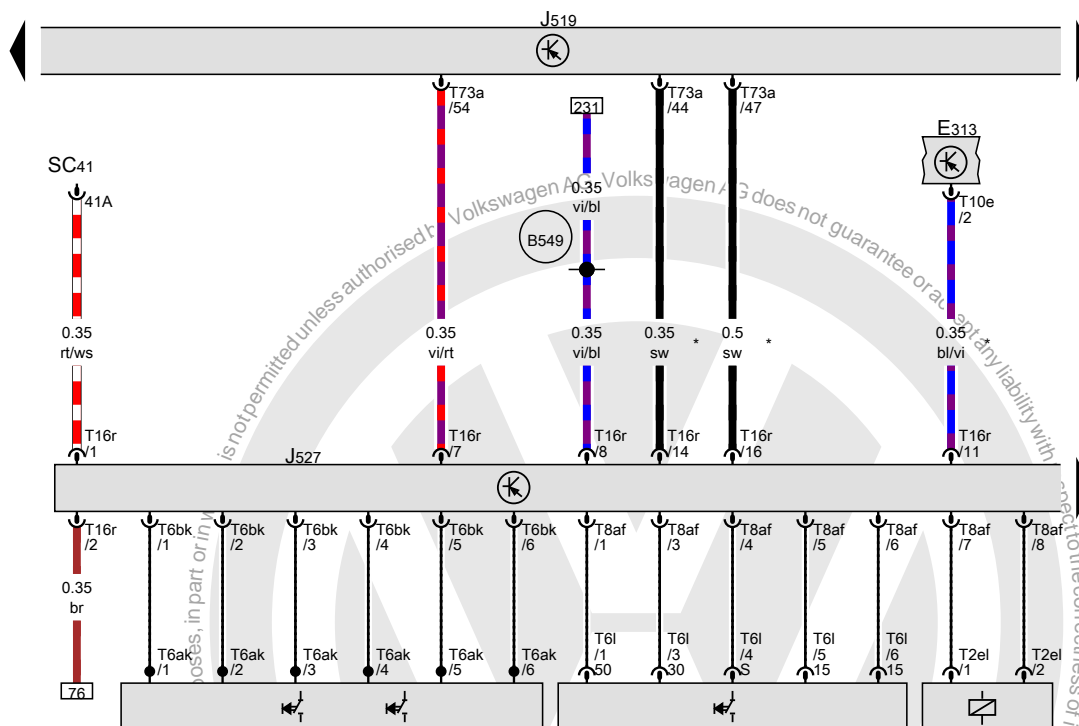
ws = white
sw = black
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Onboard supply control unit, Right fog light bulb, Right daytime running light bulb, Front right headlight, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Front right side marker bulb, Right headlight range control motor

- J519 Onboard supply control unit
- L23 Right fog light bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- M34 Front right side marker bulb
- T2bd 2-pin connector
- T10d 10-pin connector, black
- T46b 46-pin connector
- V49 Right headlight range control motor
- 288 Earth connection (HRC), in dash panel wiring harness
- B455 Connection (HRC), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- D59 Connection (fog light), in engine compartment wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



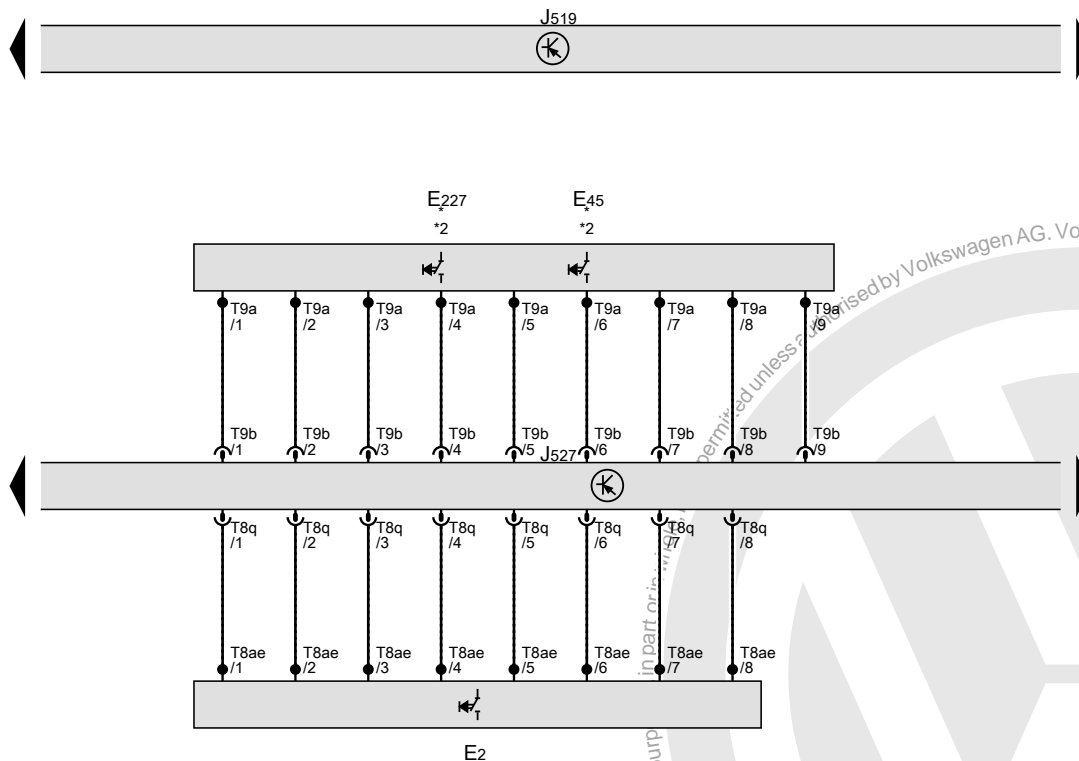
Ignition/starter switch, Intermittent wiper switch, Multifunction display call-up button, Selector lever, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid

- D Ignition/starter switch
- E22 Intermittent wiper switch
- E86 Multifunction display call-up button
- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid
- SC41 Fuse 41 on fuse holder C
- T2el 2-pin connector
- T6ak 6-pin connector
- T6bk 6-pin connector
- T6l 6-pin connector
- T8af 8-pin connector
- T10e 10-pin connector
- T16r 16-pin connector
- T73a 73-pin connector, black
- B549 Connection 2 (LIN bus) in main wiring harness
- * Wiring colour depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

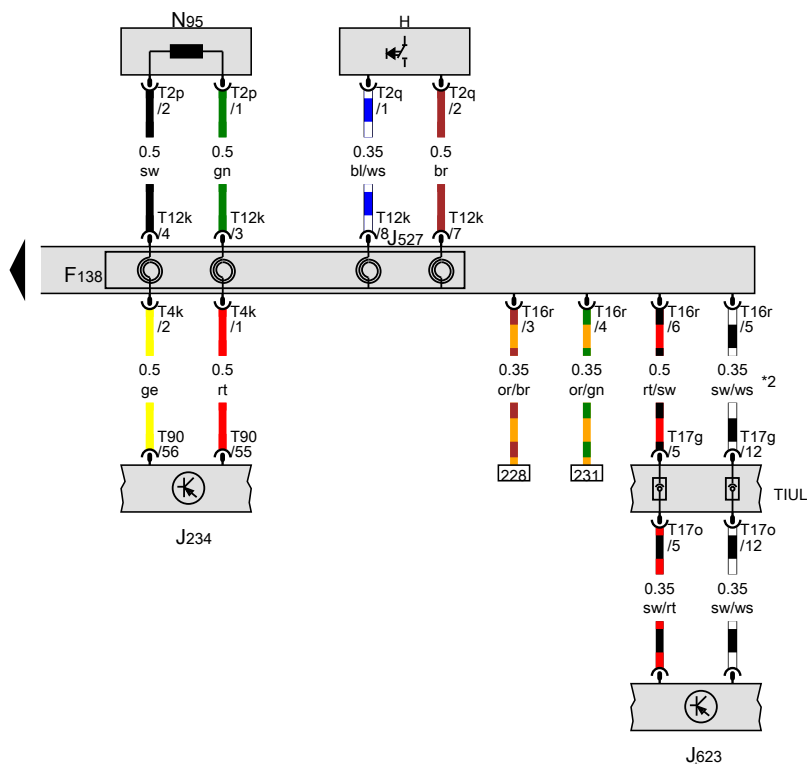
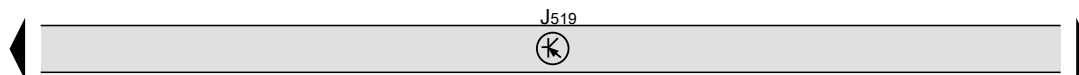
Turn signal switch, Cruise control system switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

- E2 Turn signal switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T8ae 8-pin connector
- T8q 8-pin connector
- T9a 9-pin connector
- T9b 9-pin connector
- * For models with no multifunction steering wheel
- *2 For models with cruise control system



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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- rs = pink

Horn plate, Airbag control unit, Onboard supply control unit, Steering column electronics control unit, Engine/motor control unit, Driver side airbag igniter



- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- N95 Driver side airbag igniter
- T2p 2-pin connector
- T2q 2-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- * see applicable current flow diagram for engine
- *2 For models with cruise control system (CCS)

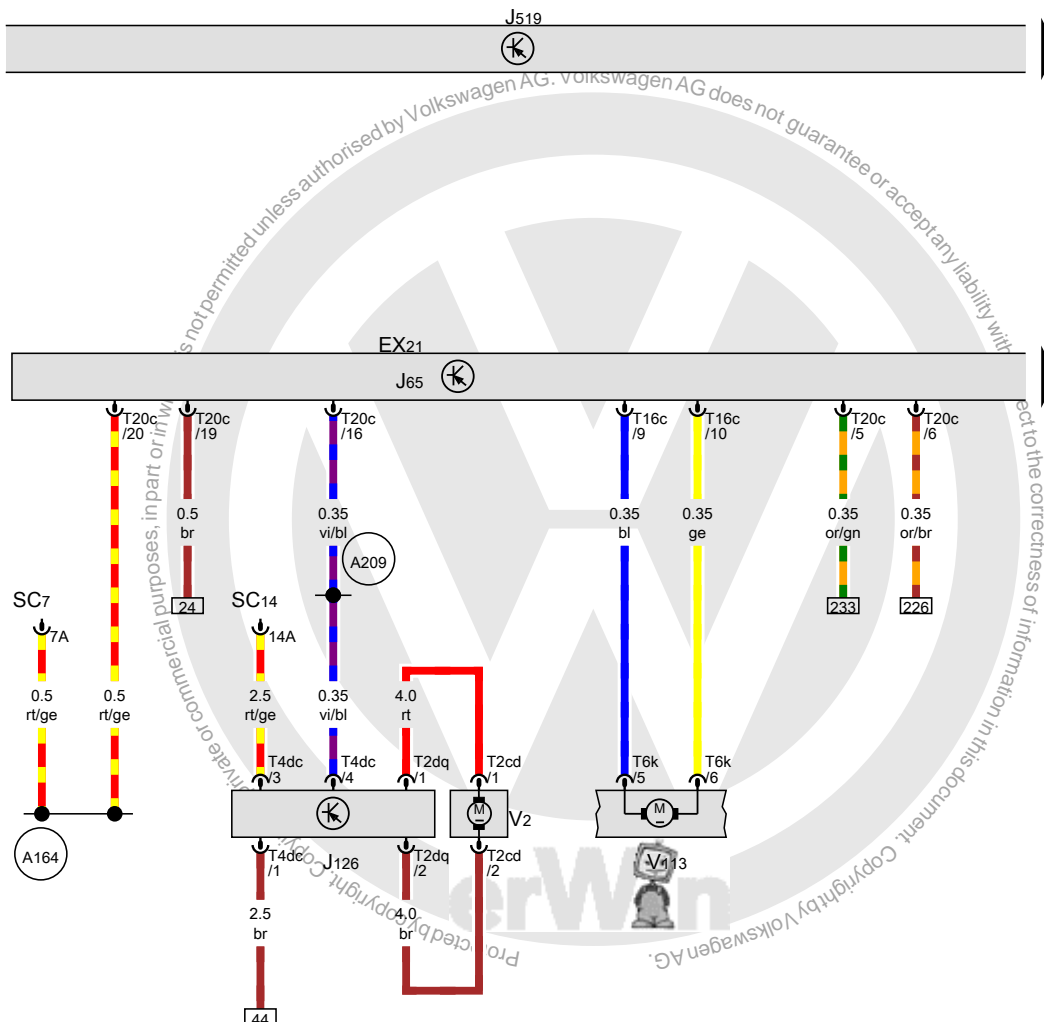
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Heater control unit, Fresh air blower control unit, Onboard supply control unit, Fresh air blower, Air recirculation flap control motor

- EX21 Heater and air conditioning controls
- J65 Heater control unit
- J126 Fresh air blower control unit
- J519 Onboard supply control unit
- SC7 Fuse 7 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- T2cd 2-pin connector
- T2dq 2-pin connector
- T4dc 4-pin connector
- T6k 6-pin connector
- T16c 16-pin connector
- T20c 20-pin connector
- V2 Fresh air blower
- V113 Air recirculation flap control motor

A164 Positive connection 2 (30a) in dash panel wiring harness

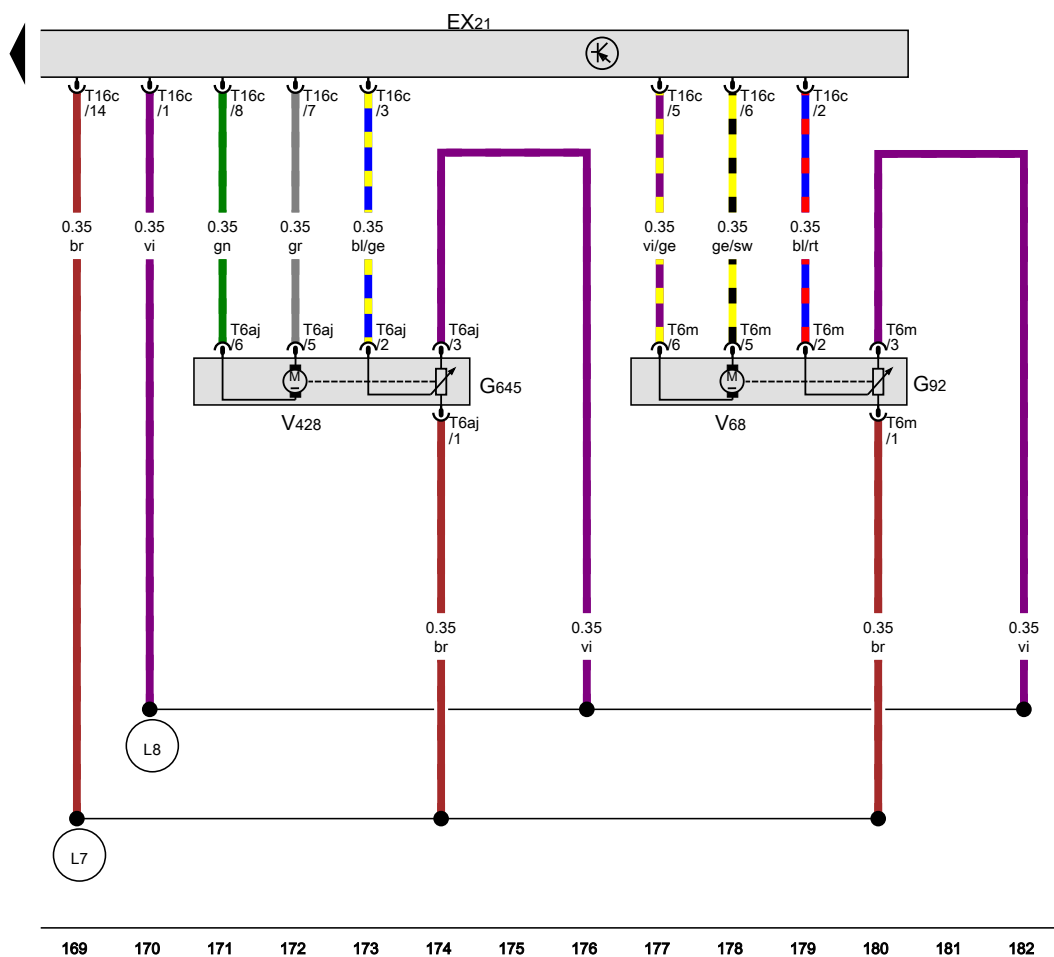
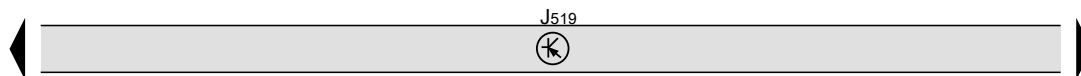
A209 Connection 1 (LIN bus) in dash panel wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

[5G1-001130617]



[5G1-001140617]

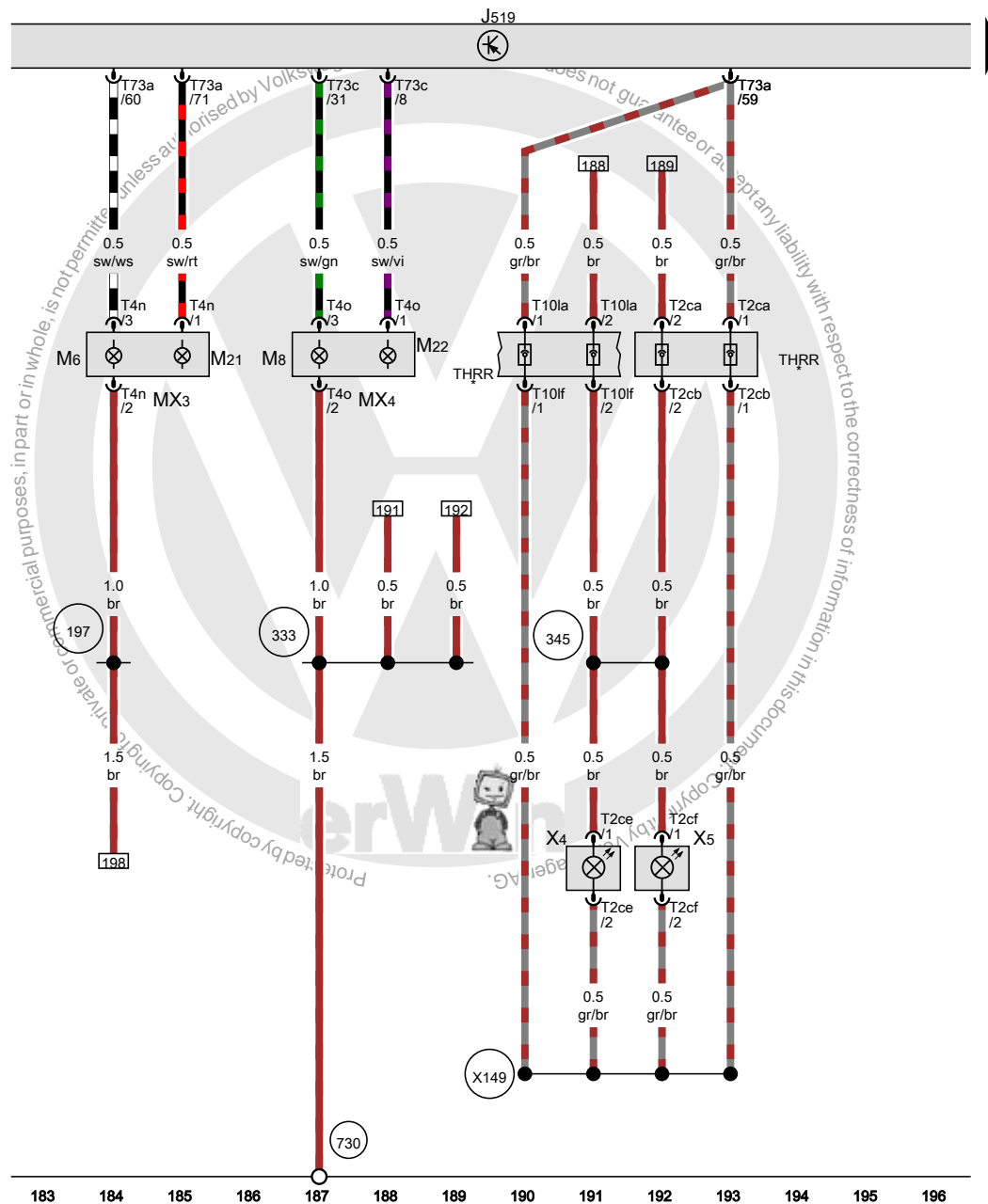
Potentiometer for temperature flap control motor, Potentiometer for air distribution flap control motor, Onboard supply control unit, Temperature flap control motor, Air distribution flap control motor

- EX21 Heater and air conditioning controls
- G92 Potentiometer for temperature flap control motor
- G645 Potentiometer for air distribution flap control motor
- J519 Onboard supply control unit
- T6aj 6-pin connector
- T6m 6-pin connector
- T16c 16-pin connector
- V68 Temperature flap control motor
- V428 Air distribution flap control motor

- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Left tail light, Right tail light, Rear left turn signal bulb, Rear right turn signal bulb, Left brake and tail light bulb, Right brake and tail light bulb, Left number plate light, Right number plate light



- J519 Onboard supply control unit
- MX3 Left tail light
- MX4 Right tail light
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M21 Left brake and tail light bulb
- M22 Right brake and tail light bulb
- T2ca 2-pin connector, black
- T2cb 2-pin connector, black
- T2ce 2-pin connector
- T2cf 2-pin connector
- T4n 4-pin connector
- T4o 4-pin connector
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector
- THRR Coupling point in luggage compartment, right
- X4 Left number plate light
- X5 Right number plate light

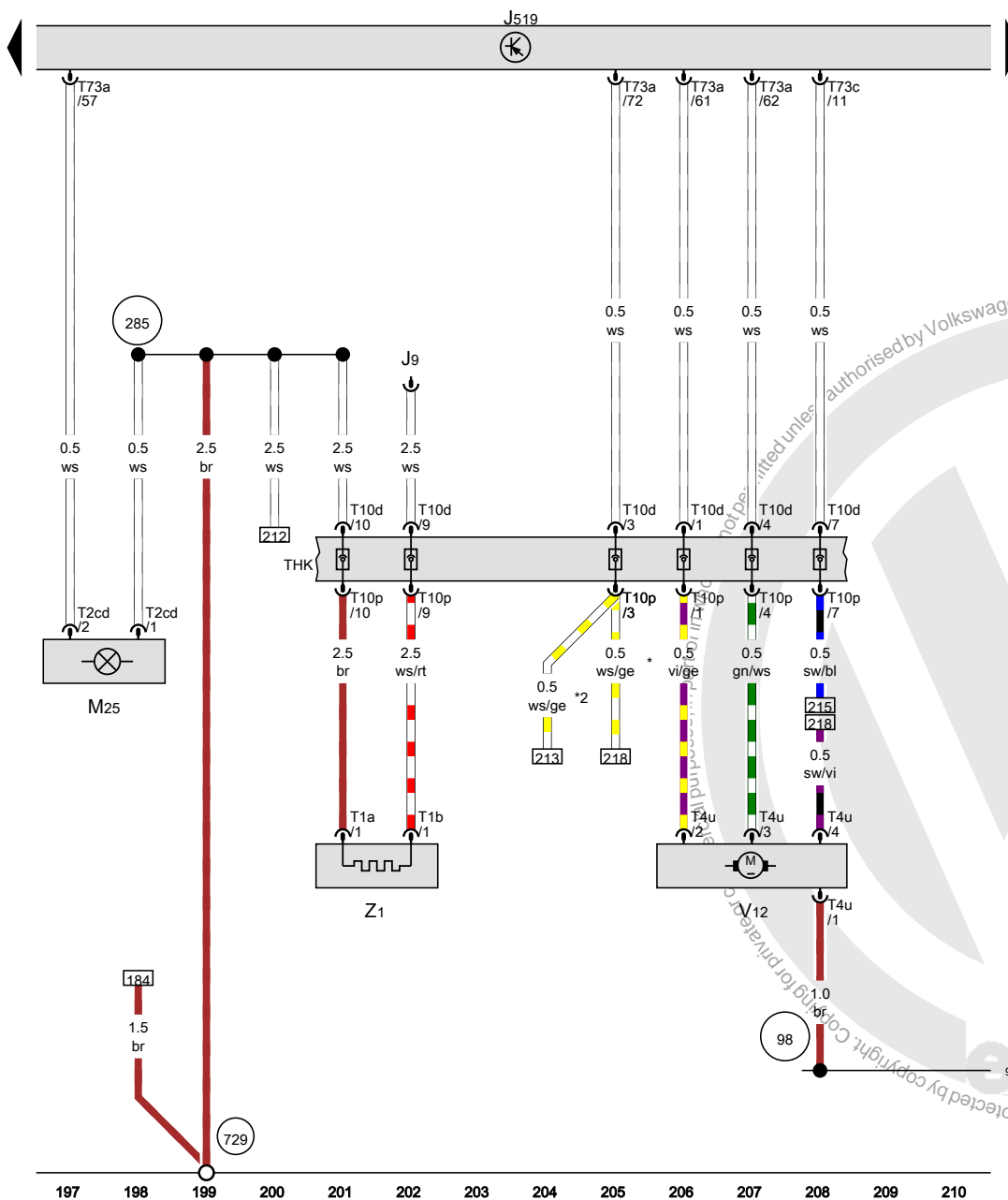
- 197 Earth connection 4, in rear wiring harness
- 333 Earth connection 5, in rear wiring harness
- 345 Earth connection, in bumper wiring harness
- 730 Earth point 1, on right rear wheel housing
- X149 Connection (5V), rear bumper wiring harness

* According to equipment

- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[5G1-001150617]

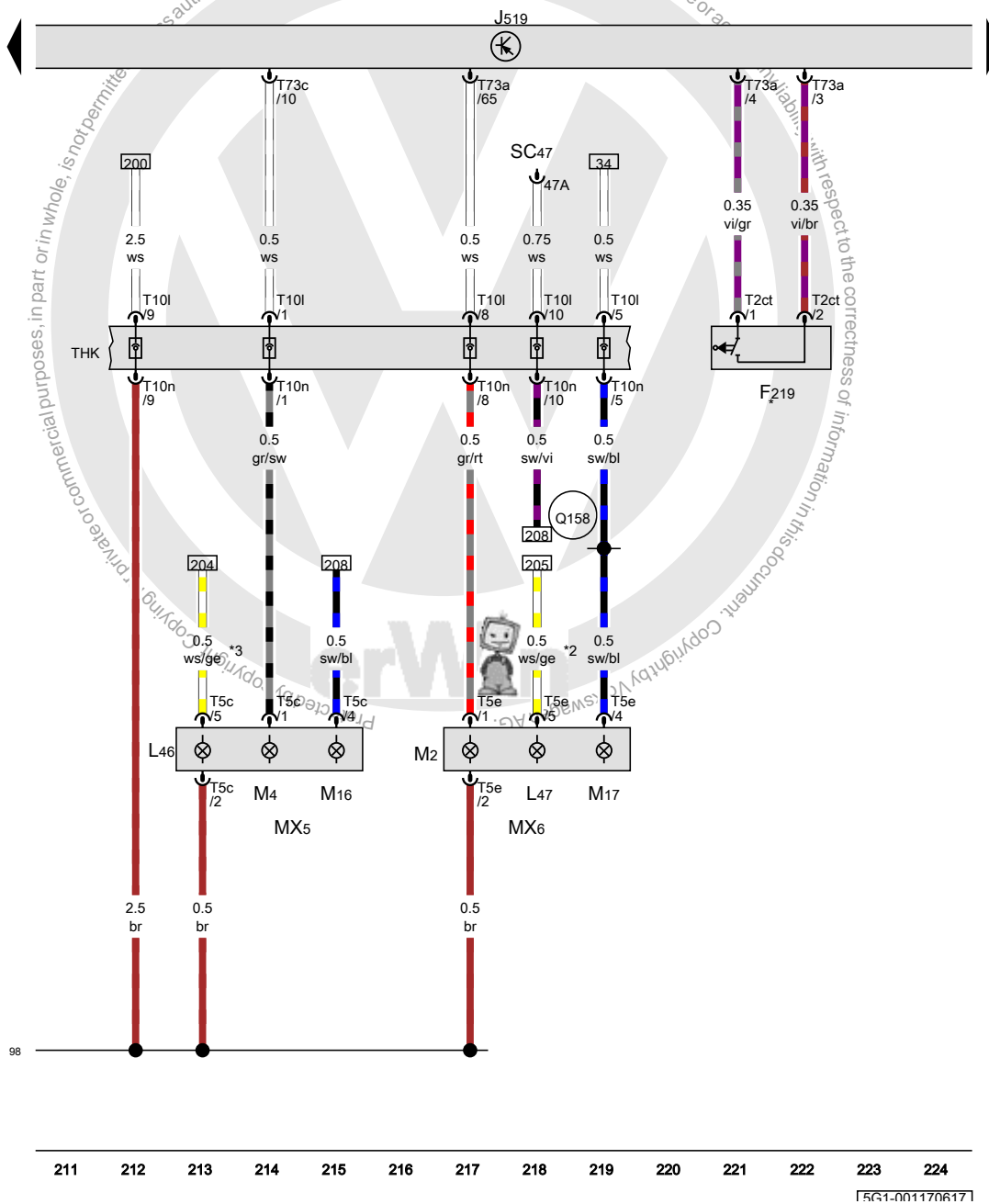
Onboard supply control unit, High-level brake light bulb, Rear window wiper motor, Heated rear window



- J9 Heated rear window relay
- J519 Onboard supply control unit
- M25 High-level brake light bulb
- T1a 1-pin connector
- T1b 1-pin connector
- T2cd 2-pin connector
- T4u 4-pin connector
- T10d 10-pin connector, black
- T10p 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- Z1 Heated rear window
- 98 Earth connection, in rear lid wiring harness
- 285 Earth connection 7, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- * For left-hand drive models
- *2 For right-hand drive models

ws = white
 sw = black
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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

15G1-001160617

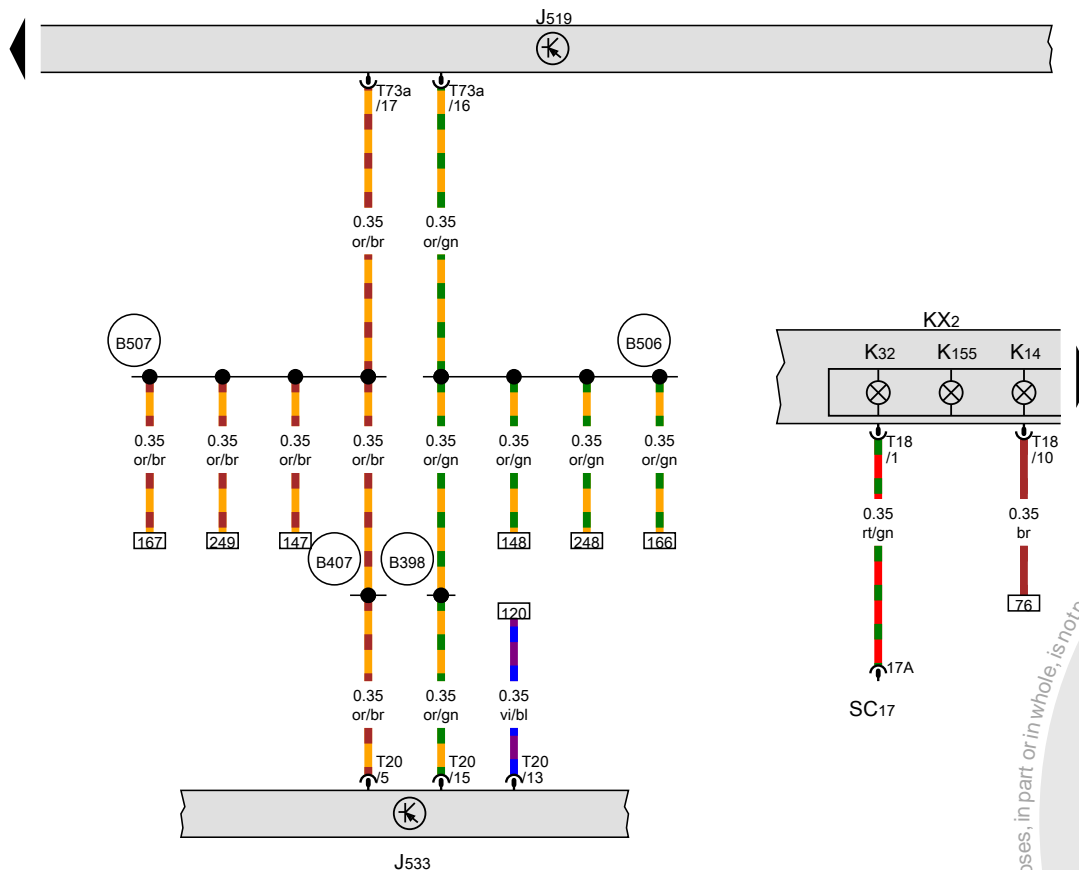


Fuel tank filler flap central locking actuator, Onboard supply control unit, Rear left fog light bulb, Rear right fog light bulb, Right tail light bulb, Left tail light bulb, Left tail light 2, Right tail light 2, Left reversing light bulb, Right reversing light bulb

- F219 Fuel tank filler flap central locking actuator
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- M4 Left tail light bulb
- MX5 Left tail light 2
- MX6 Right tail light 2
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- SC47 Fuse 47 on fuse holder C
- T2ct 2-pin connector
- T5c 5-pin connector
- T5e 5-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T73a 73-pin connector, black
- T73c 73-pin connector
- THK Coupling point for rear lid
- 98 Earth connection, in rear lid wiring harness
- Q158 Connection (RL) in rear lid wiring harness
- * Pre-wired component
- *2 For left-hand drive models
- *3 For right-hand drive models

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gn = green
bl = blue
gr = grey
li = purple
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ge = yellow
or = orange
rs = pink

Onboard supply control unit, Data bus diagnostic interface,
Dash panel insert



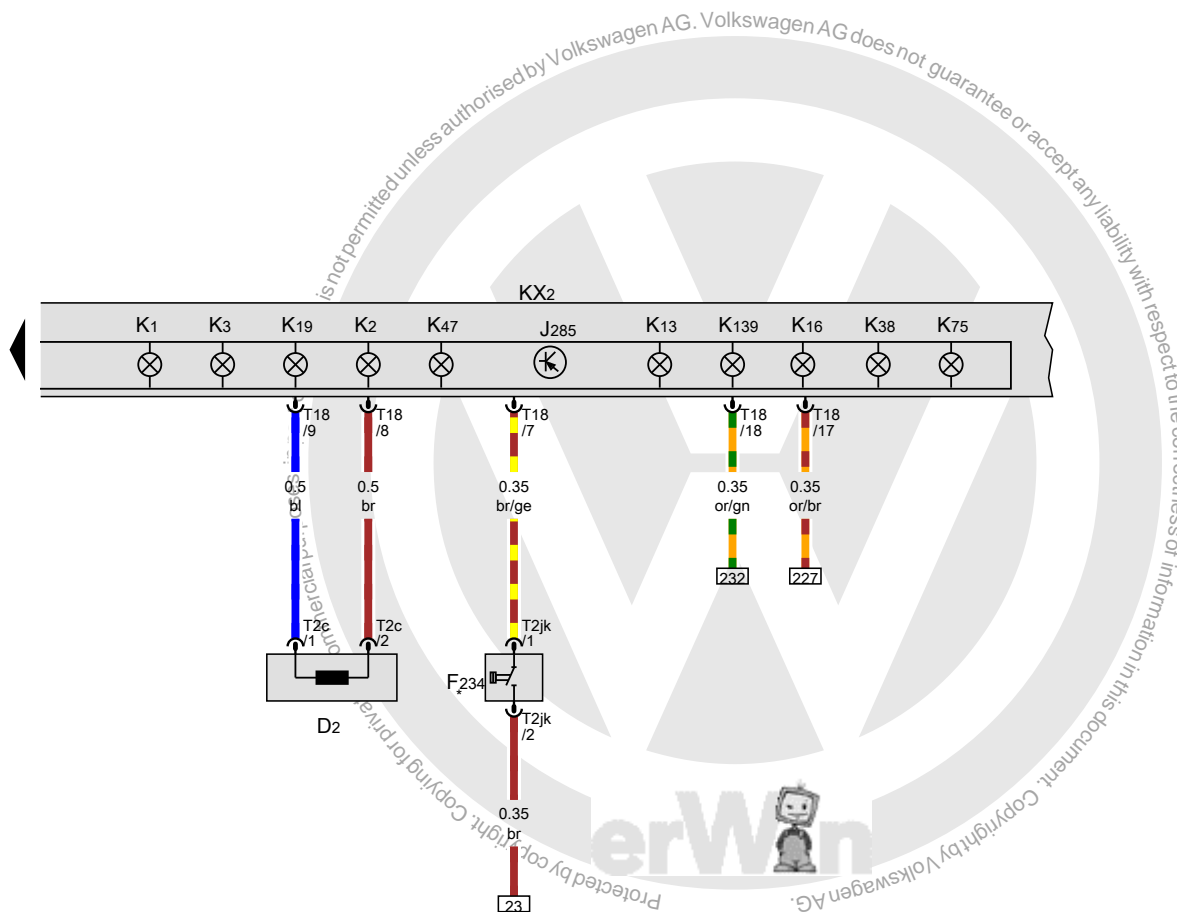
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K14 Handbrake warning lamp
- K32 Brake pad warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- SC17 Fuse 17 on fuse holder C
- T18 18-pin connector
- T20 20-pin connector
- T73a 73-pin connector, black

- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Immobiliser reader coil, Parking brake pressure switch, Control unit in dash panel insert, Dash panel insert

- D2 Immobiliser reader coil
- F234 Parking brake pressure switch
- J285 Control unit in dash panel insert
- K1 Main beam warning lamp
- KX2 Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K13 Rear fog light warning lamp
- K16 Reserve fuel warning lamp
- K19 Seat belt warning system warning lamp
- K38 Oil level warning lamp
- K47 ABS warning lamp
- K75 Airbag warning lamp
- K139 Handbrake warning lamp
- T2c 2-pin connector
- T2jk 2-pin connector
- T18 18-pin connector
- * According to equipment



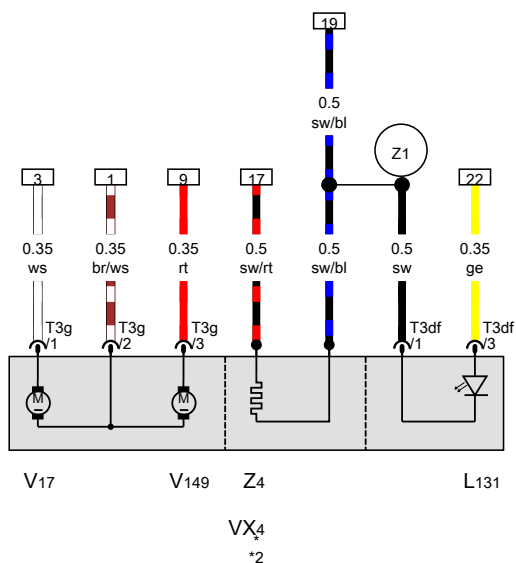
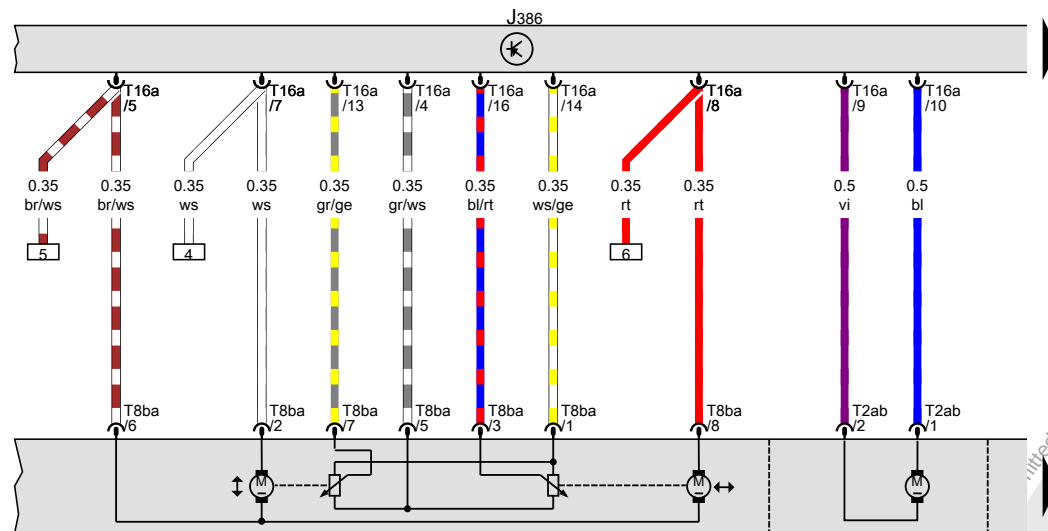
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- ge = yellow
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Convenience system, right-hand drive , (L0R)

From August 2012



Driver door control unit, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor

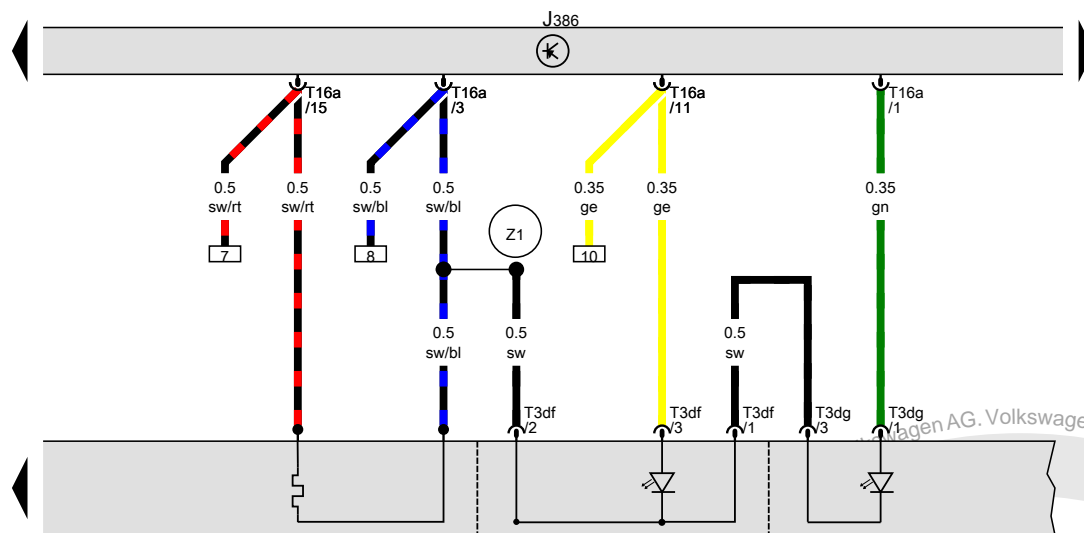


- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T2ab 2-pin connector
- T3df 3-pin connector
- T3g 3-pin connector
- T8ba 8-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

Z1 Connection 1, in mirror adjustment/heating wiring harness

- * According to equipment
- *2 Pre-wired component

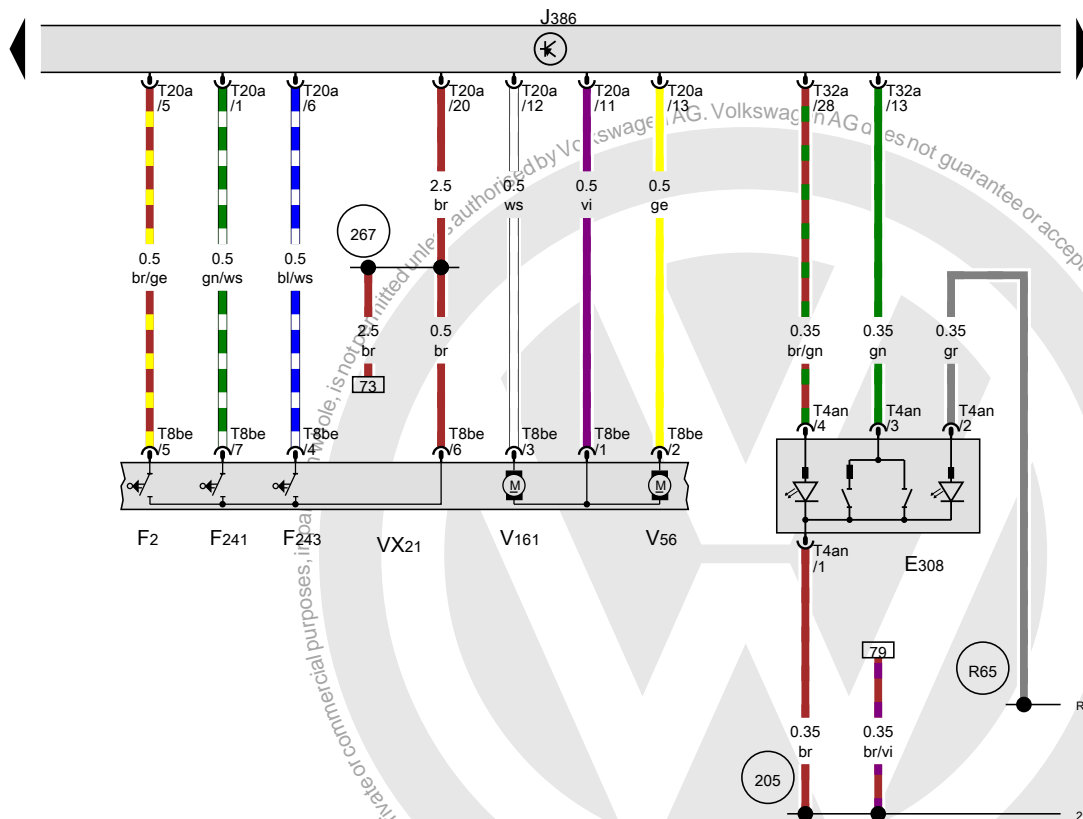
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver door control unit, Driver side turn signal repeater bulb, Driver side exterior mirror, Heated exterior mirror on driver side

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T3df 3-pin connector
- T3dg 3-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- W52 Entry light in exterior mirror, driver side
- Z4 Heated exterior mirror on driver side
- Z1 Connection 1, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

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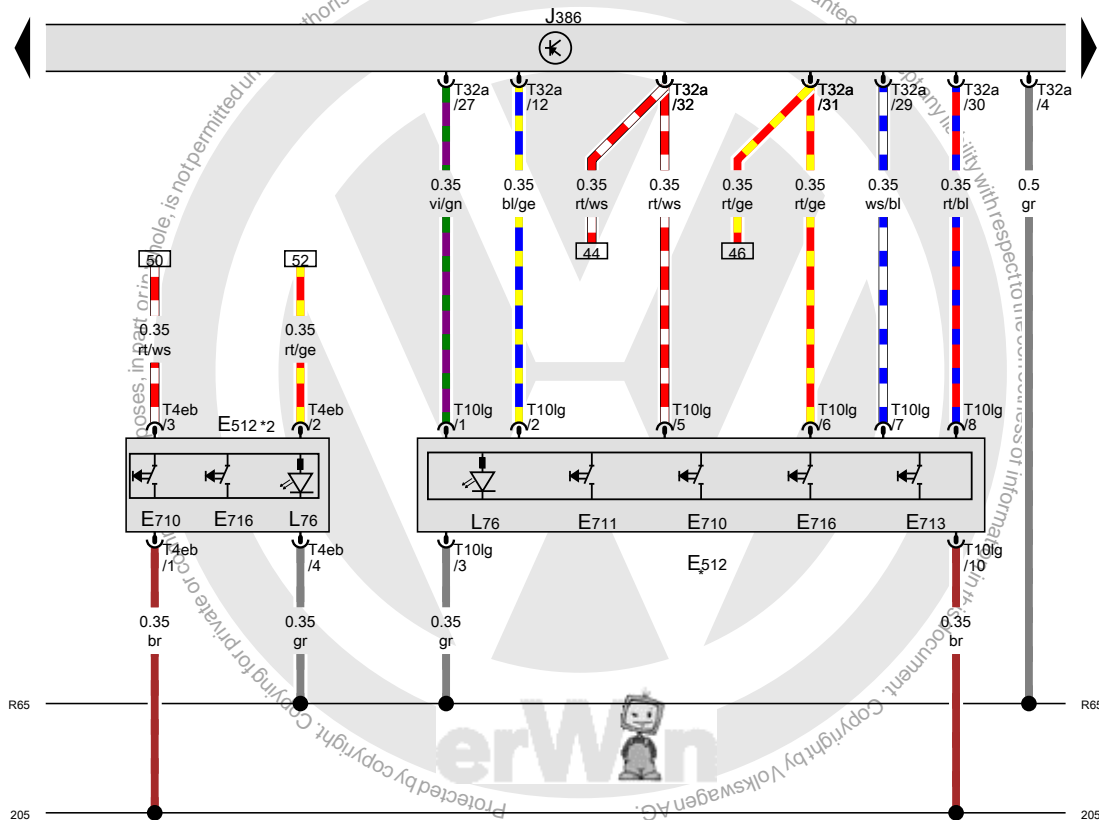


Driver side interior locking button for central locking system, Driver door contact switch, Driver side contact switch in lock cylinder, Driver door central locking actuator for SAFELOCK function, Driver door control unit, Driver door lock unit, Driver door central locking motor, Driver door central locking SAFELOCK function motor

- E308 Driver side interior locking button for central locking system
- F2 Driver door contact switch
- F241 Driver side contact switch in lock cylinder
- F243 Driver door central locking actuator for SAFELOCK function
- J386 Driver door control unit
- T4an 4-pin connector
- T8be 8-pin connector
- T20a 20-pin connector
- T32a 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

- 205 Earth connection, in driver door wiring harness
- 267 Earth connection 2, in drive side door wiring harness
- R65 Positive connection (58), in driver door wiring harness

- ws = white
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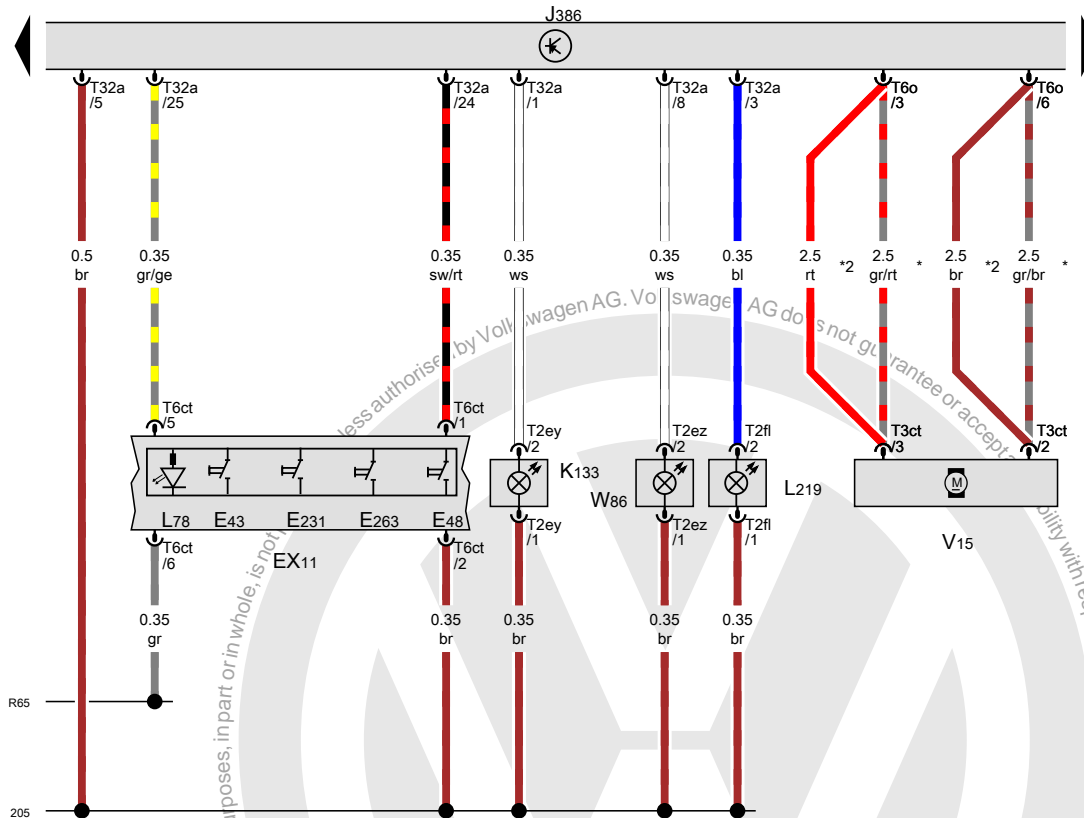


Operating unit for window regulator in driver door, Driver door control unit

- E512 Operating unit for window regulator in driver door
- E710 Front driver side window regulator button
- E711 Rear driver side window regulator button
- E713 Rear passenger side window regulator button
- E716 Front passenger side window regulator button
- J386 Driver door control unit
- L76 Button illumination bulb
- T4eb 4-pin connector
- T10lg 10-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- R65 Positive connection (58), in driver door wiring harness
- * Only models with 4-doors
- *2 Only models with 2-doors

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- ge = yellow
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- rs = pink



Exterior mirror adjuster, Driver door control unit, Central locking SAFELOCK function warning lamp, Light for driver side interior door handle illumination, Right window regulator motor, Light for driver door ambient lighting

- EX11 Exterior mirror adjuster
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- L78 Mirror adjustment switch illumination bulb
- L219 Light for driver side interior door handle illumination
- T2ey 2-pin connector
- T2ez 2-pin connector
- T2fl 2-pin connector
- T3ct 3-pin connector
- T6ct 6-pin connector
- T6o 6-pin connector
- T32a 32-pin connector
- V15 Right window regulator motor
- W86 Light for driver door ambient lighting

205 Earth connection, in driver door wiring harness

R65 Positive connection (58), in driver door wiring harness

* Up to May 2013

*2 From May 2013

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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver door control unit, Coupling point for front right door,
Light conductor for front right sill panel moulding ambient
lighting

- J386 Driver door control unit
- SC39 Fuse 39 on fuse holder C
- T3ac 3-pin connector
- T20a 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- T32a 32-pin connector
- TTVR Coupling point for front right door
- W68 Light conductor for front right sill panel moulding ambient lighting

249 Earth connection 2, in interior wiring harness

638 Earth point, on right A-pillar

B150 Positive connection 2 (30a), in interior wiring harness

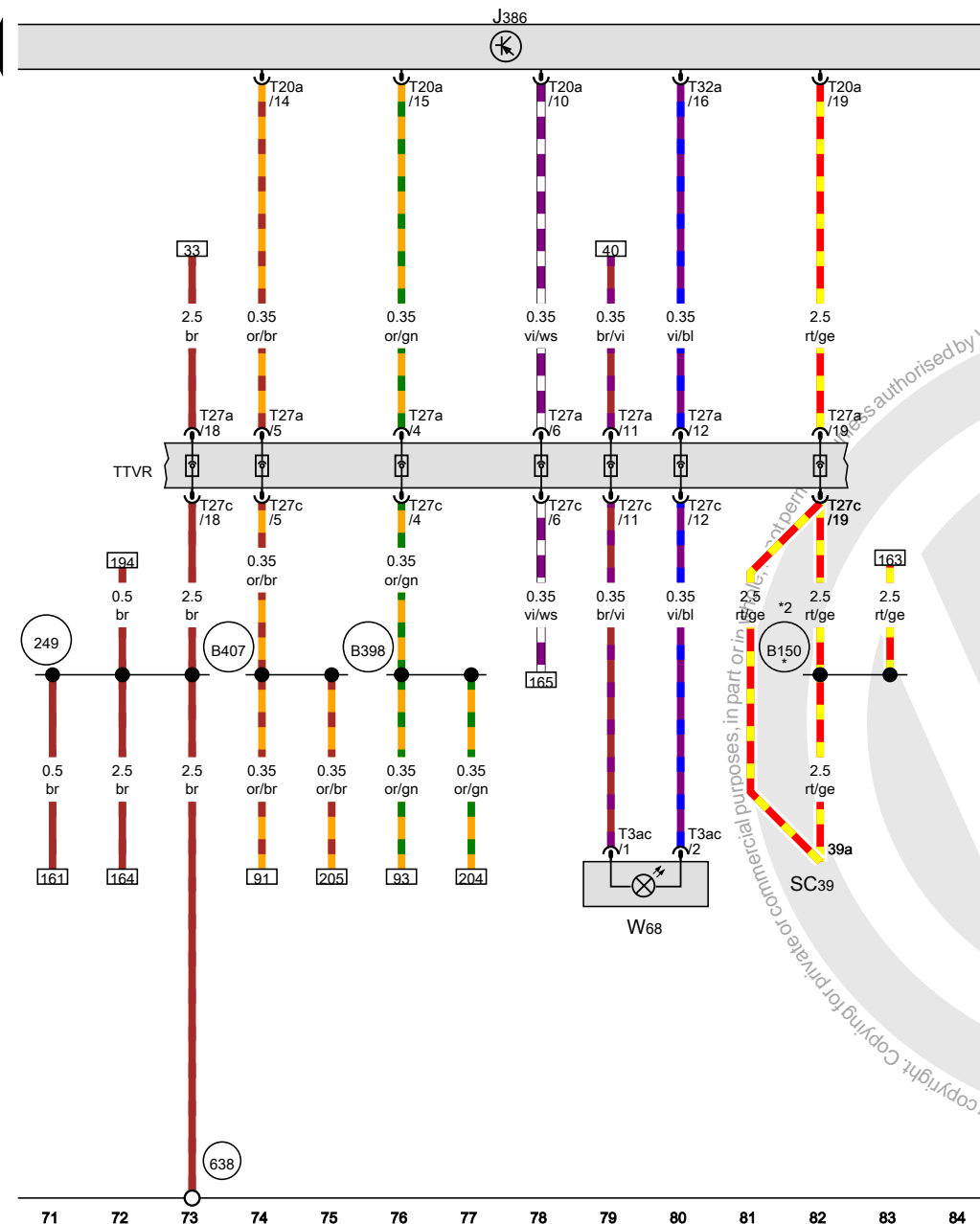
B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

* Only models with 4-doors

*2 Only models with 2-doors

ws = white
sw = black
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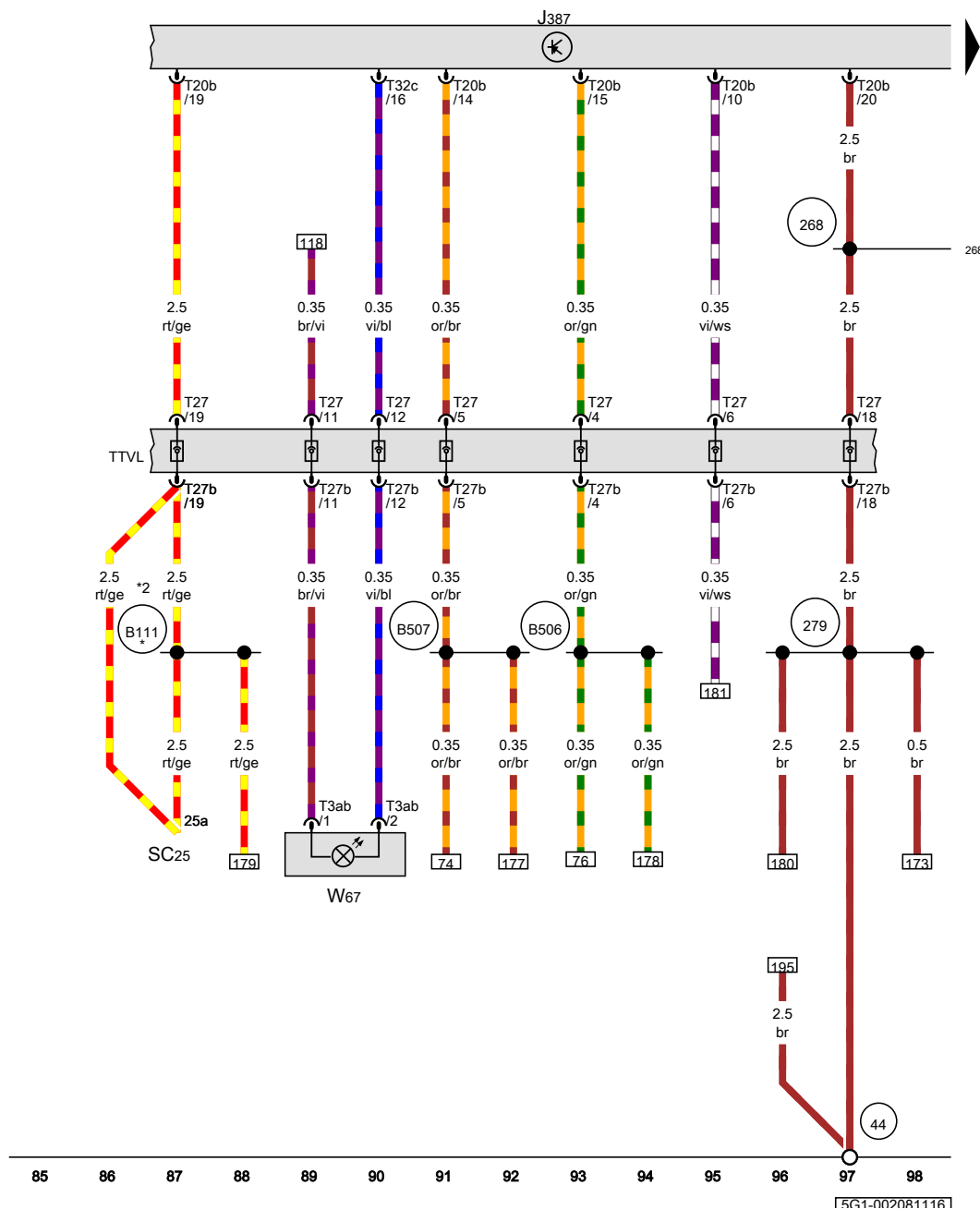
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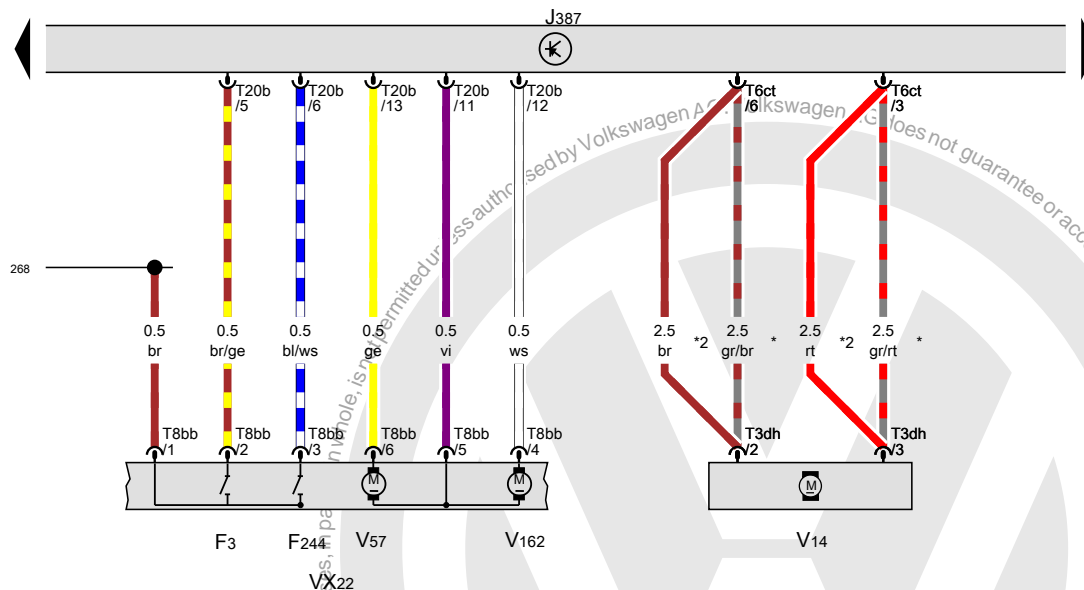
Front passenger door control unit, Coupling point for front left door, Light conductor for front left sill panel moulding ambient lighting

- J387 Front passenger door control unit
- SC25 Fuse 25 on fuse holder C
- T3ab 3-pin connector
- T20b 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32c 32-pin connector
- TTVL Coupling point for front left door
- W67 Light conductor for front left sill panel moulding ambient lighting

- 44 Earth point, lower part of left A-pillar
- 268 Earth connection 2, in front passenger side door wiring harness
- 279 Earth connection 5, in interior wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Only models with 4-doors
- *2 Only models with 2-doors

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- vi = purple
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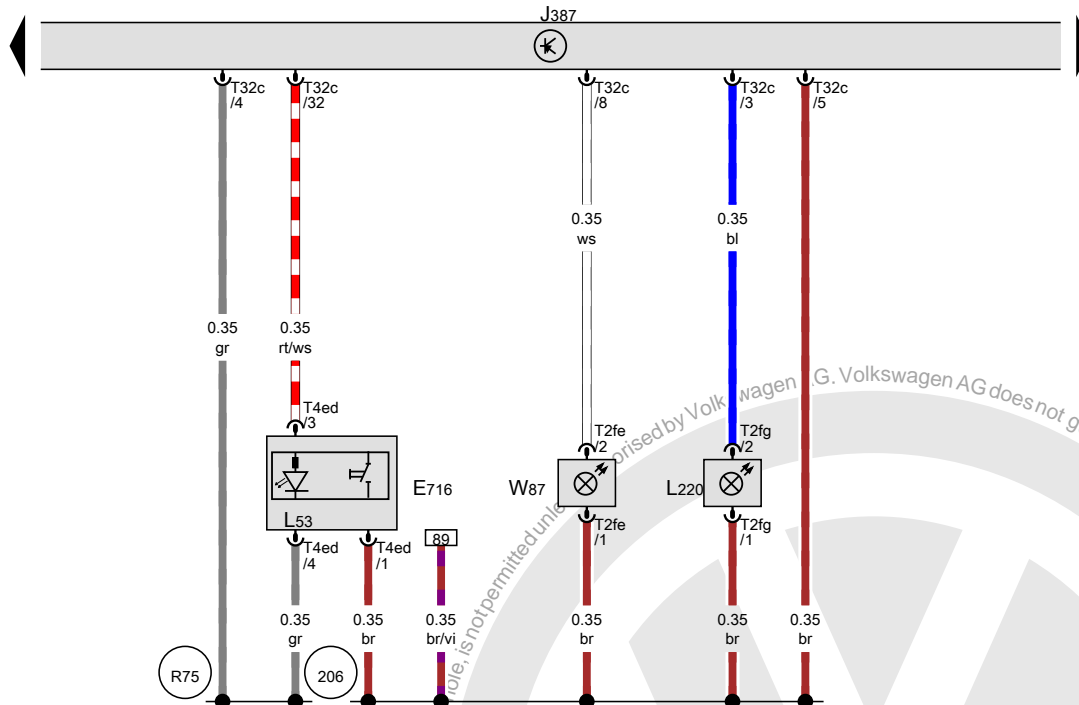
Front passenger door control unit, Left window regulator motor, Front passenger door lock unit

- F3 Front passenger door contact switch
- F244 Front passenger door central locking actuator for SAFELOCK function
- J387 Front passenger door control unit
- T3dh 3-pin connector
- T6ct 6-pin connector
- T8bb 8-pin connector
- T20b 20-pin connector
- V14 Left window regulator motor
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

268 Earth connection 2, in front passenger side door wiring harness

- * Up to May 2013
- *2 From May 2013

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



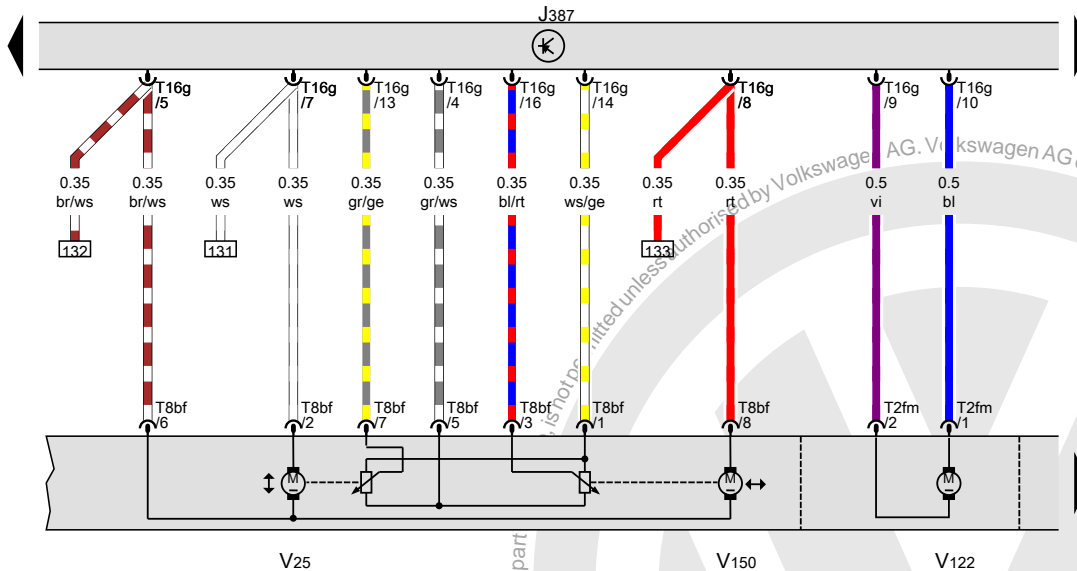
Front passenger side window regulator button, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger door ambient lighting

- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- L53 Window regulator switch illumination bulb
- L220 Light for passenger side interior door handle illumination
- T2fe 2-pin connector
- T2fg 2-pin connector
- T4ed 4-pin connector
- T32c 32-pin connector
- W87 Light for passenger door ambient lighting

(206) Earth connection, in front passenger door wiring harness

(R75) Connection 1 (58d), in door control unit wiring harness

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 rt = red
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

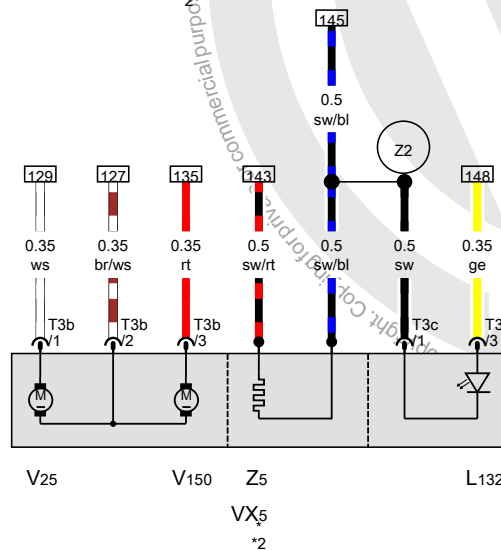


Front passenger door control unit, Passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

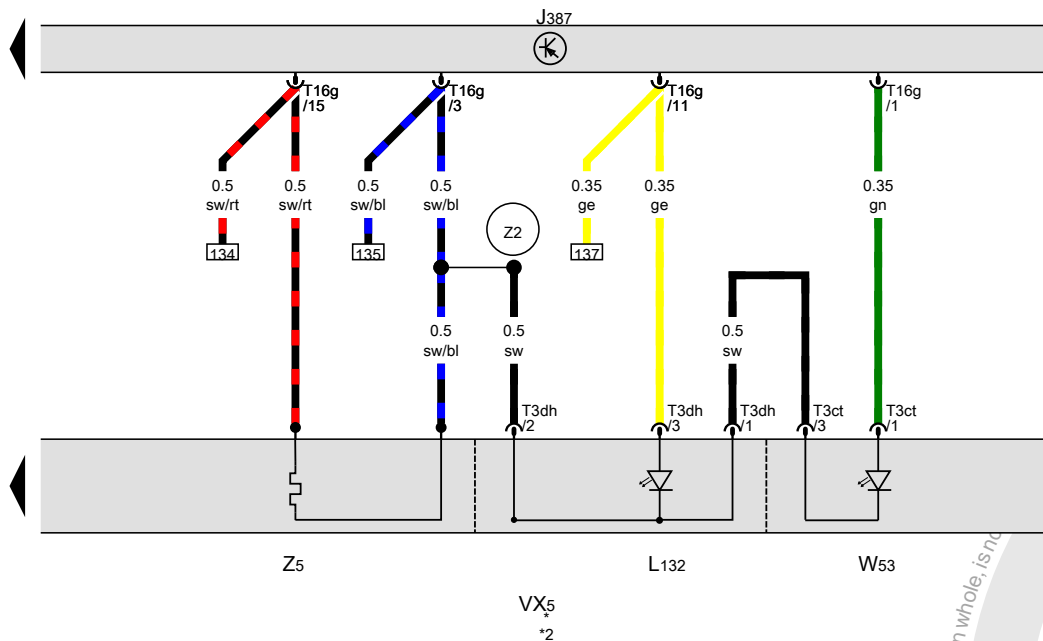
- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T2fm 2-pin connector
- T3b 3-pin connector
- T3c 3-pin connector
- T8bf 8-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on passenger side

Z2 Connection 2, in mirror adjustment/heating wiring harness

* According to equipment
*2 Pre-wired component



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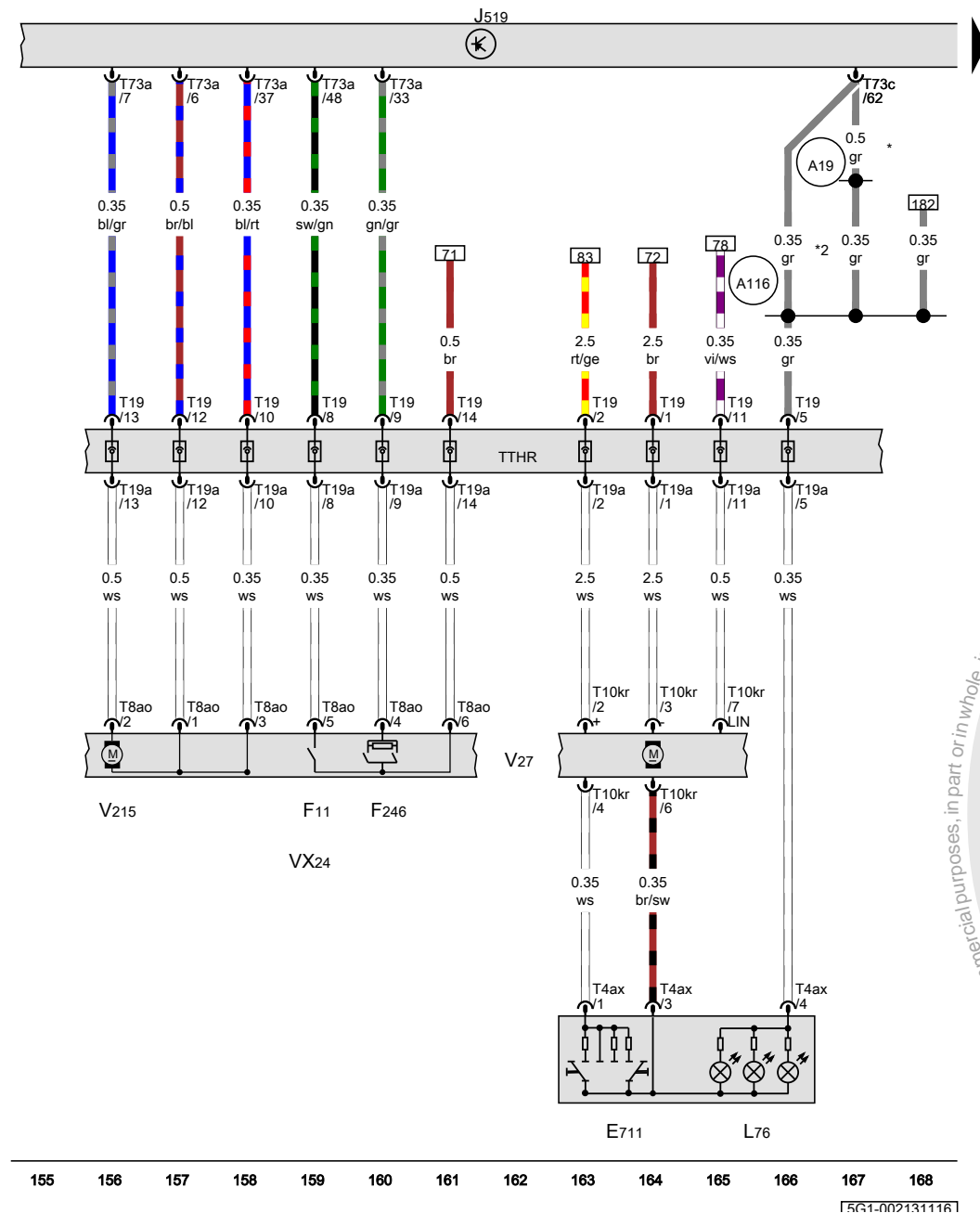


Front passenger door control unit, Front passenger side turn signal repeater bulb, Passenger side exterior mirror, Heated exterior mirror on passenger side

- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T3ct 3-pin connector
- T3dh 3-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- W53 Entry light in exterior mirror, passenger side
- Z5 Heated exterior mirror on passenger side
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

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Rear driver side window regulator button, Rear right door contact switch, Onboard supply control unit, Rear right door lock unit, Rear right window regulator motor



- E711 Rear driver side window regulator button
- F11 Rear right door contact switch
- F246 Rear right door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ax 4-pin connector
- T8ao 8-pin connector
- T10kr 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TTHR Coupling point for rear right door
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

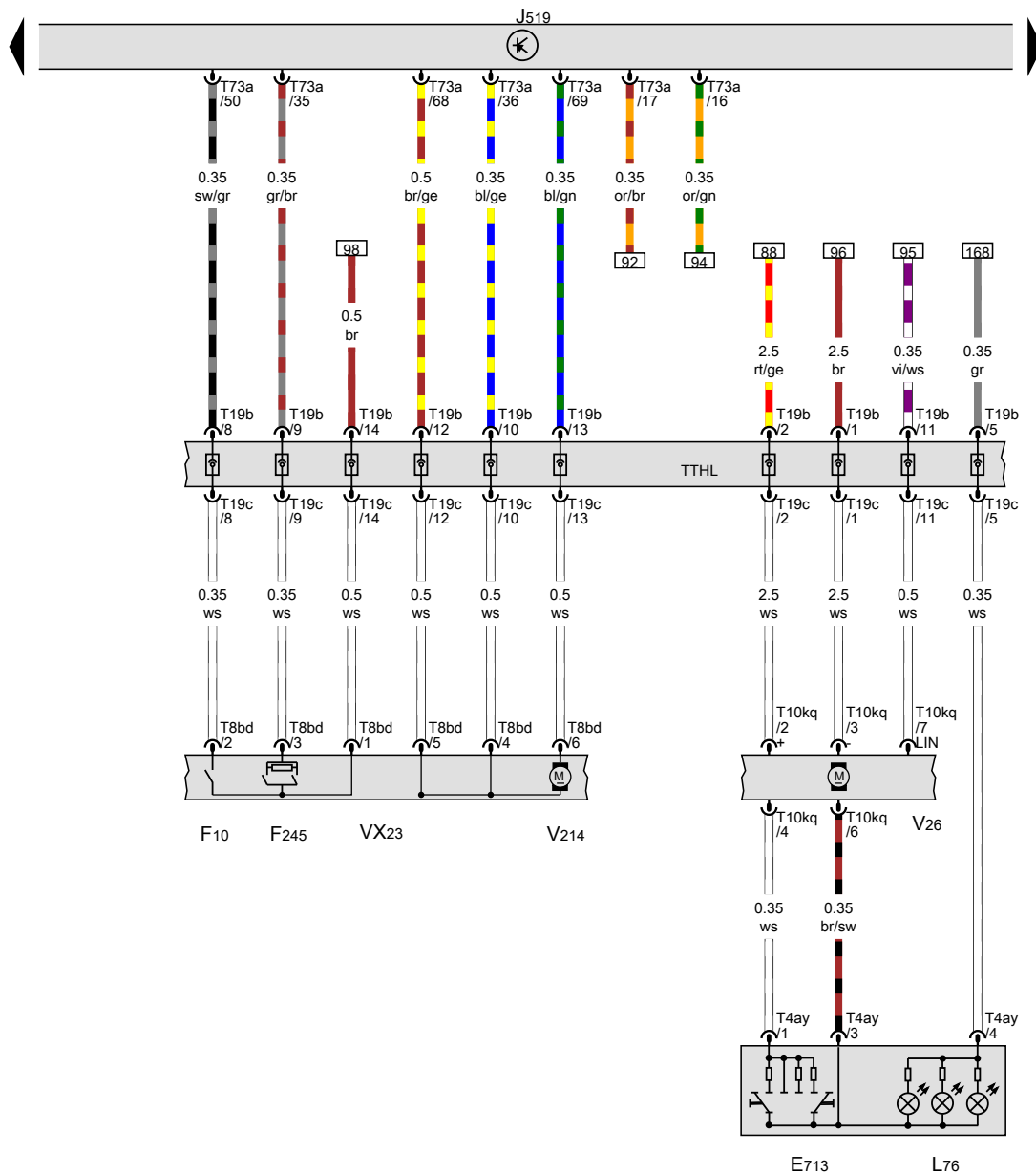
A19 Connection (58d), in dash panel wiring harness

A116 Connection 2 (58d), in dash panel wiring harness

* Up to May 2013

*2 From May 2013

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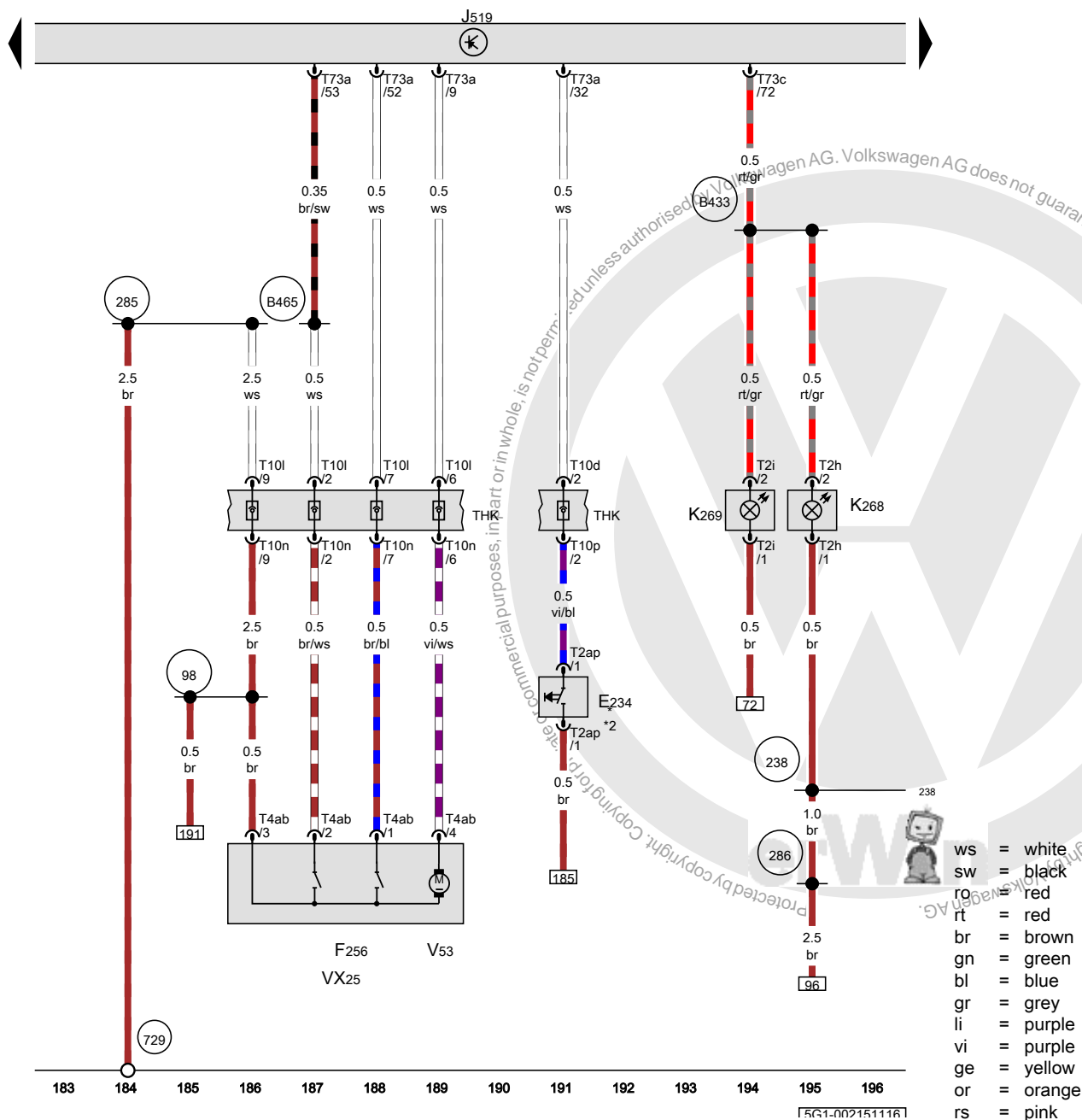


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Rear passenger side window regulator button, Onboard supply control unit, Rear left door lock unit, Rear left window regulator motor

- E713 Rear passenger side window regulator button
- F10 Rear left door contact switch
- F245 Rear left door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ay 4-pin connector
- T8bd 8-pin connector
- T10kq 10-pin connector
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T73a 73-pin connector
- TTHL Coupling point for rear left door
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor
- V214 Rear left door central locking motor, lock

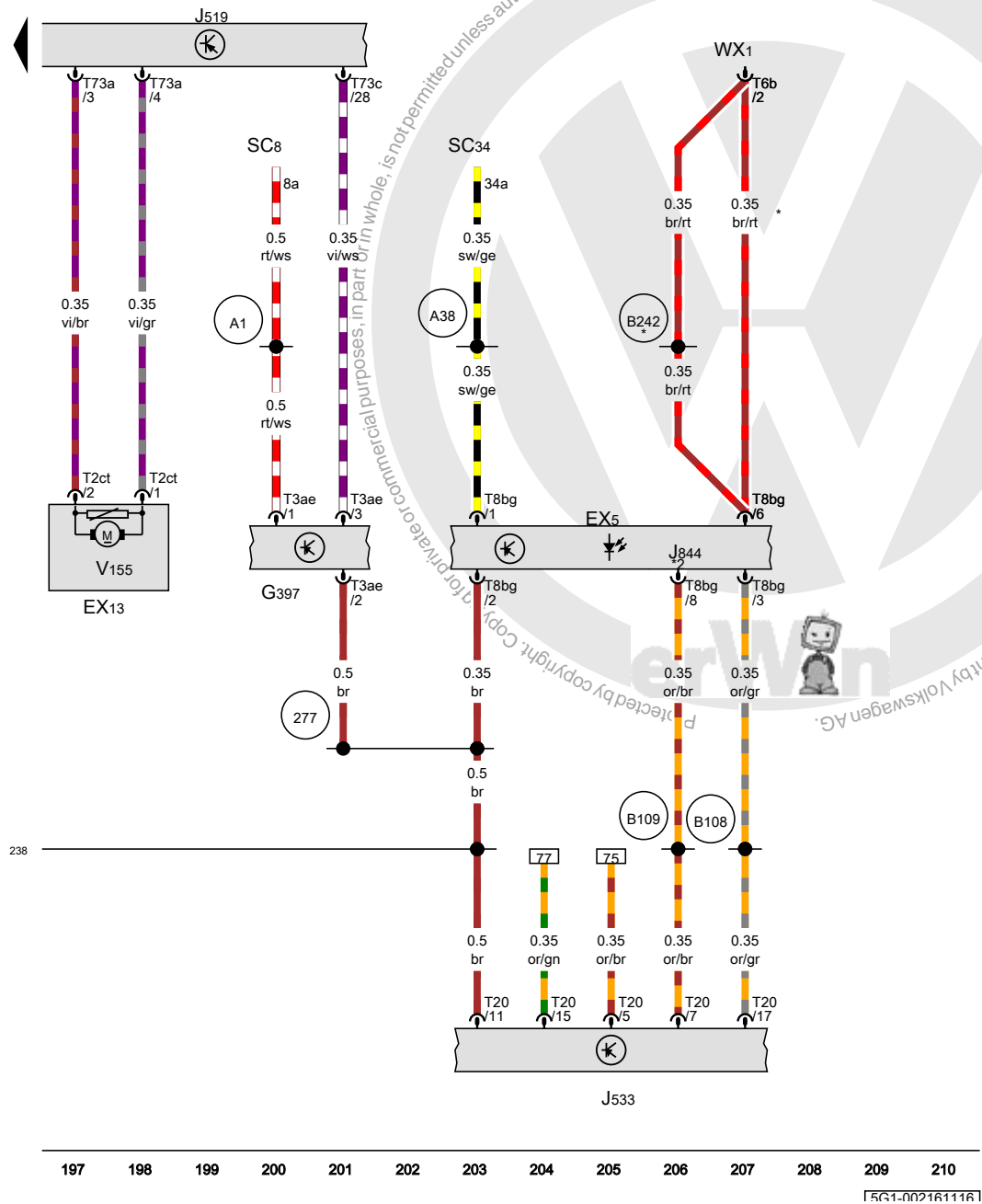
Rear lid handle release button, Onboard supply control unit,
Front left footwell light, Front right footwell light, Rear lid lock
unit



- | | |
|------|--------------------------------|
| E234 | Rear lid handle release button |
| F256 | Rear lid lock unit |
| J519 | Onboard supply control unit |
| K268 | Front left footwell light |
| K269 | Front right footwell light |
| T2ap | 2-pin connector |
| T2h | 2-pin connector |
| T2i | 2-pin connector |
| T4ab | 4-pin connector |
| T10d | 10-pin connector, black |
| T10l | 10-pin connector, brown |
| T10n | 10-pin connector, brown |
| T10p | 10-pin connector, black |
| T73a | 73-pin connector |
| T73c | 73-pin connector |
| THK | Coupling point for rear lid |
| VX25 | Rear lid lock unit |
| V53 | Rear lid central locking motor |

- | | |
|------|---|
| 98 | Earth connection, in rear lid wiring harness |
| 238 | Earth connection 1, in interior wiring harness |
| 285 | Earth connection 7, in interior wiring harness |
| 286 | Earth connection 8, in interior wiring harness |
| 729 | Earth point, on left rear wheel housing |
| B433 | Connection (footwell light), in main wiring harness |
| B465 | Connection 1, in main wiring harness |
| * | Only models with no reversing camera system |
| *2 | According to equipment |

ws	=	white
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rs	=	pink



Interior mirror, Tank flap release, Rain and light sensor, Onboard supply control unit, Data bus diagnostic interface, Front interior light

- EX5 Interior mirror
- EX13 Tank flap release
- G397 Rain and light sensor
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J844 Main beam assist control unit
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T2ct 2-pin connector, black
- T3ae 3-pin connector
- T6b 6-pin connector
- T8bg 8-pin connector
- T20 20-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- V155 Tank filler flap locking motor
- WX1 Front interior light

- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B242 Connection (interior mirror - negative), in interior wiring harness

- * According to equipment
- *2 Only models with main beam assist

Convenience system, left-hand drive , (L0L)

From August 2012



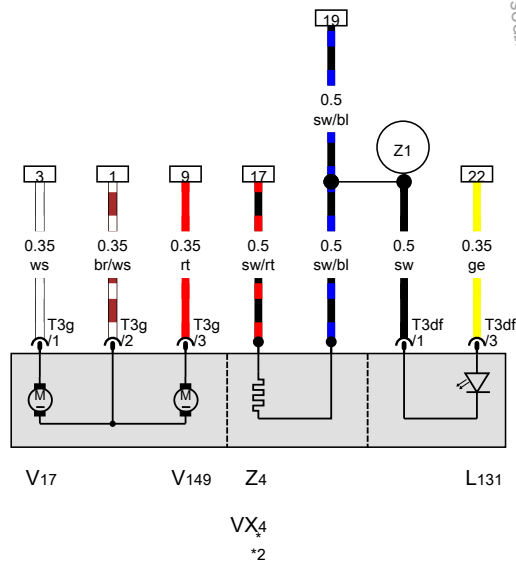
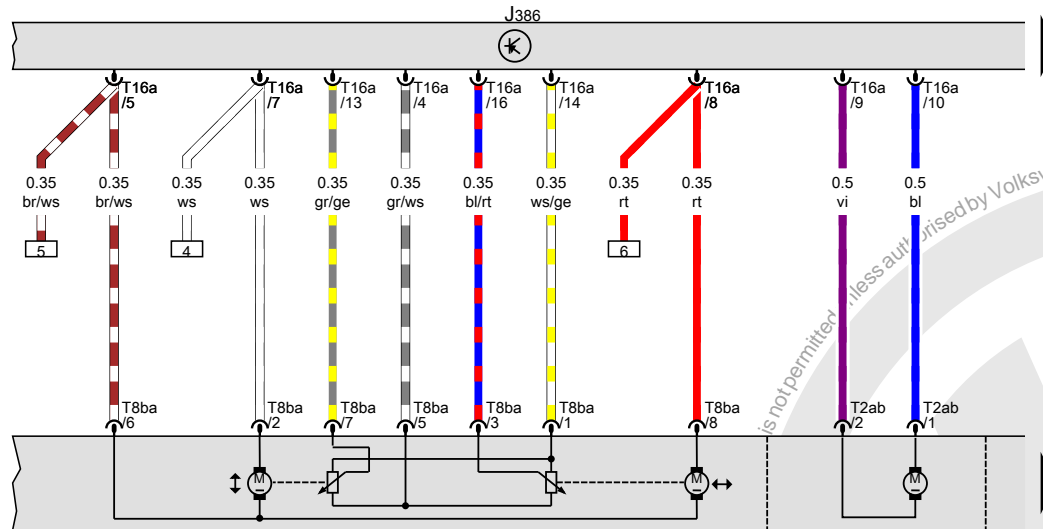
Driver door control unit, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T2ab 2-pin connector
- T3df 3-pin connector
- T3g 3-pin connector
- T8ba 8-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

Z1 Connection 1, in mirror adjustment/heating wiring harness

* According to equipment

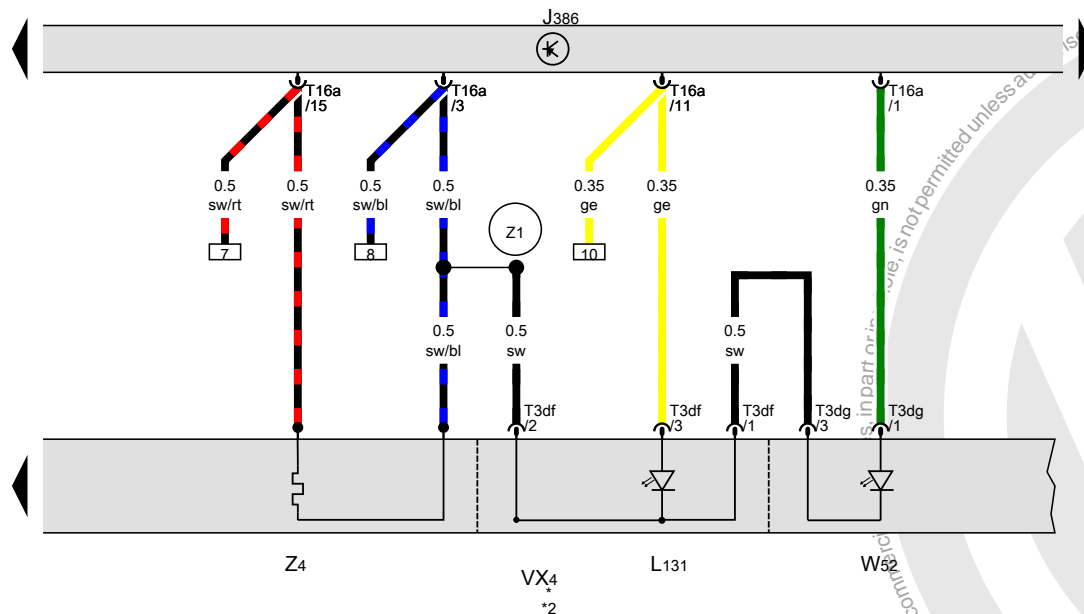
*2 Pre-wired component



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1 2 3 4 5 6 7 8 9 10 11 12 13 14

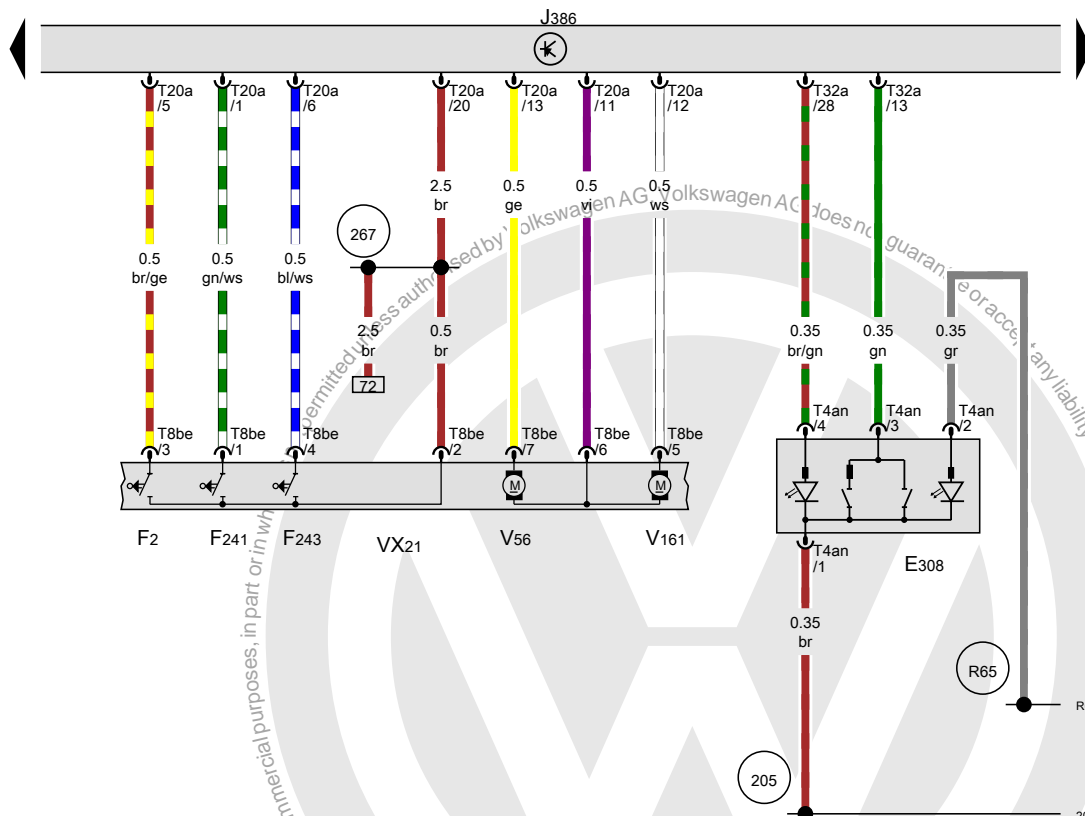
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Driver door control unit, Driver side turn signal repeater bulb,
Driver side exterior mirror, Heated exterior mirror on driver
side

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T3df 3-pin connector
- T3dg 3-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- W52 Entry light in exterior mirror, driver side
- Z4 Heated exterior mirror on driver side
- Z1 Connection 1, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

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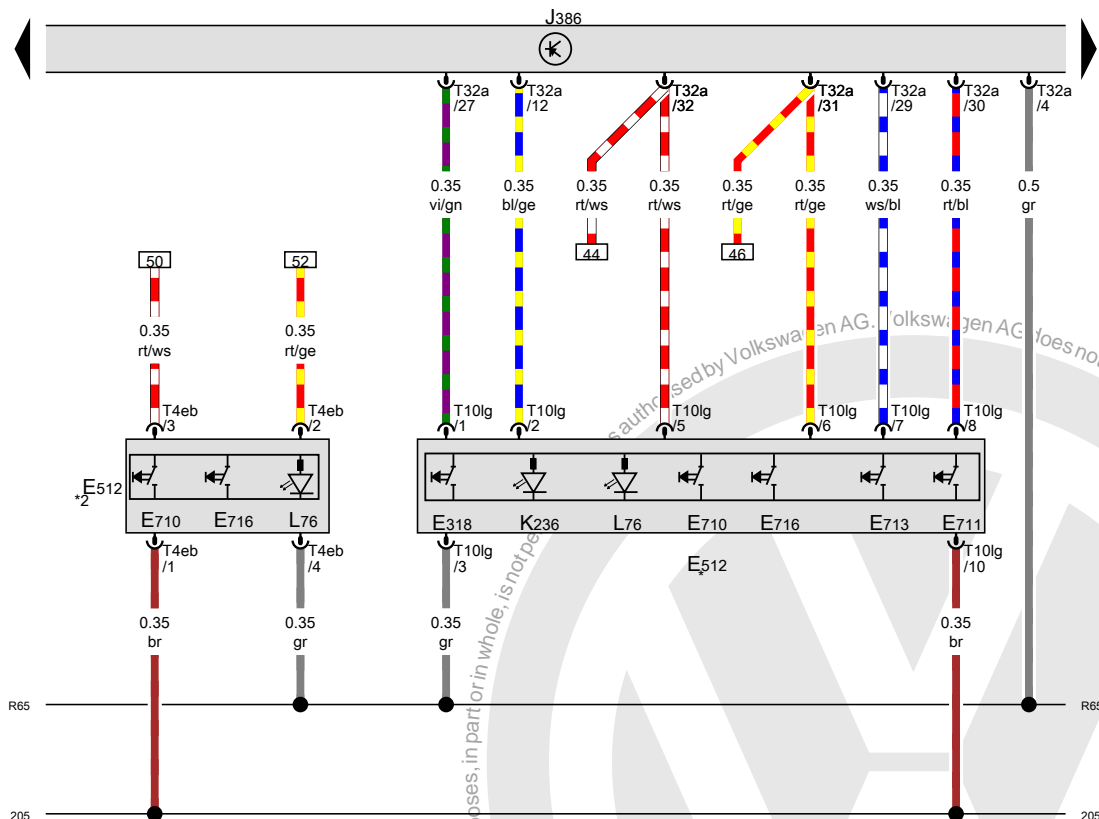


Driver side interior locking button for central locking system, Driver door contact switch, Driver side contact switch in lock cylinder, Driver door central locking actuator for SAFELOCK function, Driver door control unit, Driver door lock unit, Driver door central locking motor, Driver door central locking SAFELOCK function motor

- E308 Driver side interior locking button for central locking system
- F2 Driver door contact switch
- F241 Driver side contact switch in lock cylinder
- F243 Driver door central locking actuator for SAFELOCK function
- J386 Driver door control unit
- T4an 4-pin connector
- T8be 8-pin connector
- T20a 20-pin connector
- T32a 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

- 205 Earth connection, in driver door wiring harness
- 267 Earth connection 2, in drive side door wiring harness
- R65 Positive connection (58), in driver door wiring harness

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Operating unit for window regulator in driver door, Driver door control unit

- E318 Childproof lock button
- E512 Operating unit for window regulator in driver door
- E710 Front driver side window regulator button
- E711 Rear driver side window regulator button
- E713 Rear passenger side window regulator button
- E716 Front passenger side window regulator button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T4eb 4-pin connector
- T10lg 10-pin connector
- T32a 32-pin connector

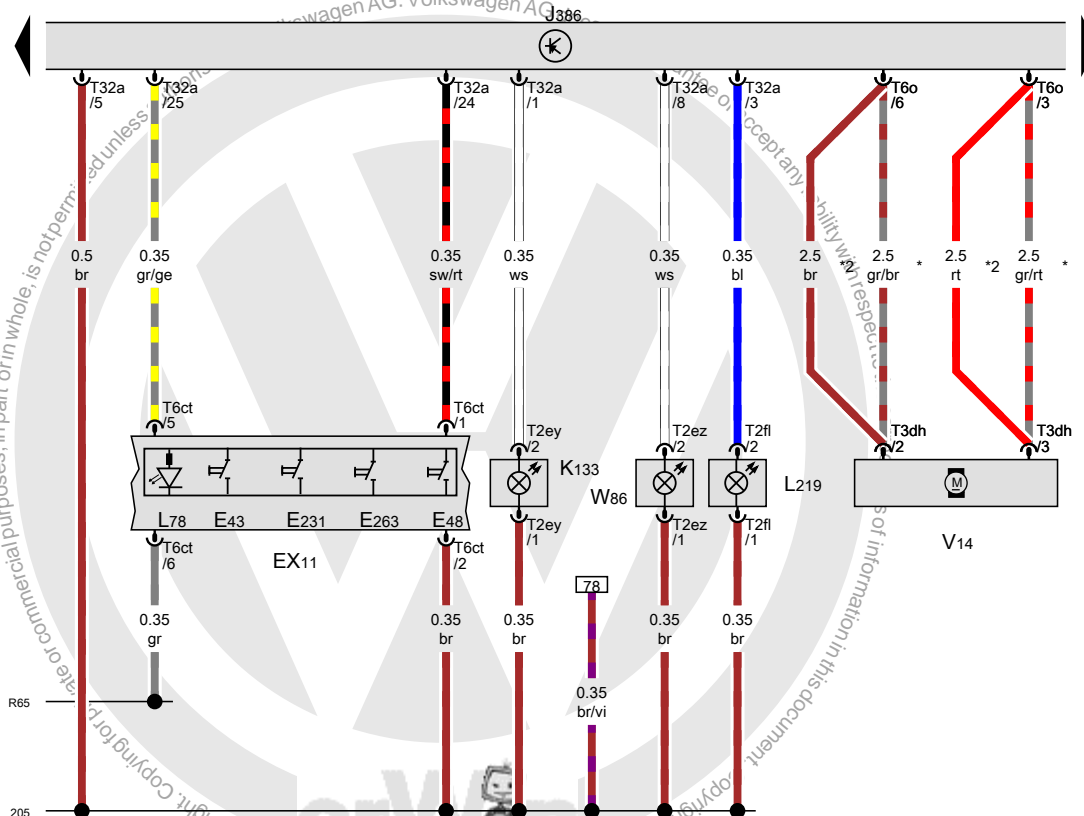
205 Earth connection, in driver door wiring harness

R65 Positive connection (58), in driver door wiring harness

* For models with 4 doors

*2 For models with 2 doors

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- rs = pink



Exterior mirror adjuster, Driver door control unit, Central locking SAFELOCK function warning lamp, Light for driver side interior door handle illumination, Left window regulator motor, Light for driver door ambient lighting

- EX11 Exterior mirror adjuster
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- L78 Mirror adjustment switch illumination bulb
- L219 Light for driver side interior door handle illumination
- T2ey 2-pin connector
- T2ez 2-pin connector
- T2fl 2-pin connector
- T3dh 3-pin connector
- T6ct 6-pin connector
- T6o 6-pin connector
- T32a 32-pin connector
- V14 Left window regulator motor
- W86 Light for driver door ambient lighting

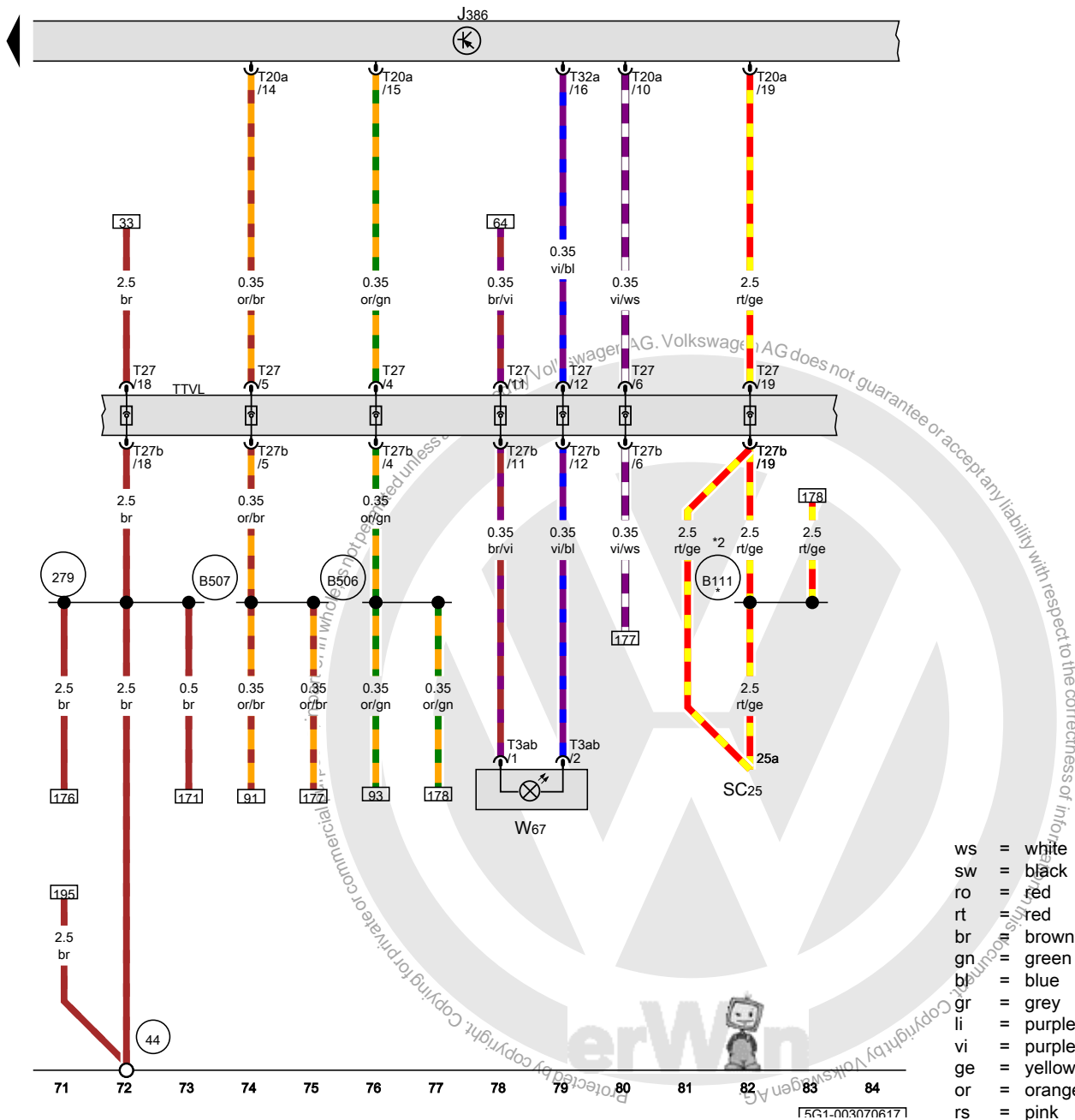
205 Earth connection, in driver door wiring harness

R65 Positive connection (58), in driver door wiring harness

* Up to May 2013

*2 From May 2013

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Driver door control unit, Coupling point for front left door, Light conductor for front left sill panel moulding ambient lighting

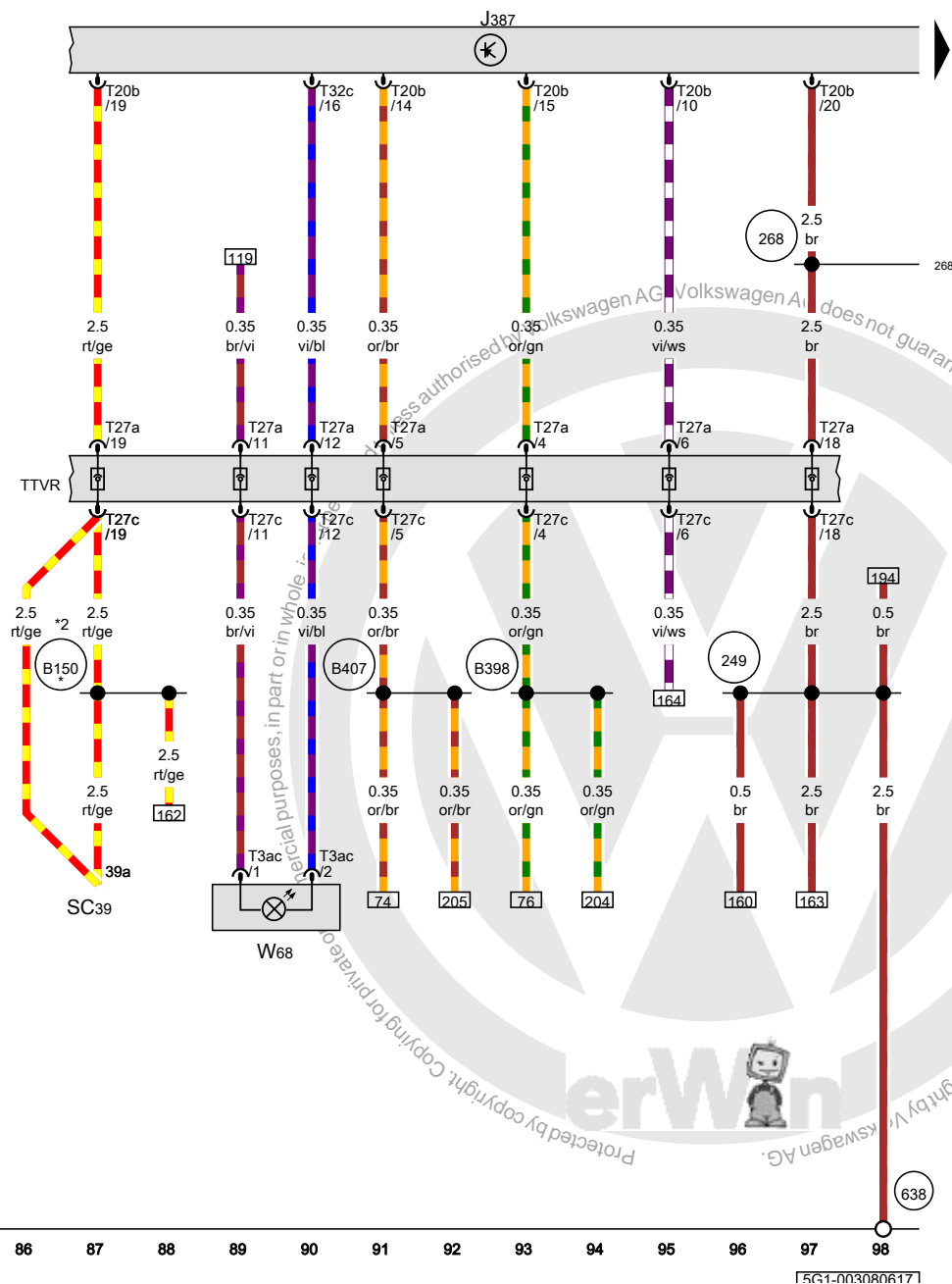
- J386 Driver door control unit
- SC25 Fuse 25 on fuse holder C
- T3ab 3-pin connector
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32a 32-pin connector
- TTVL Coupling point for front left door
- W67 Light conductor for front left sill panel moulding ambient lighting

- 44 Earth point, lower part of left A-pillar
- 279 Earth connection 5, in interior wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * For models with 4 doors
- *2 For models with 2 doors

Front passenger door control unit, Coupling point for front right door, Light conductor for front right sill panel moulding ambient lighting

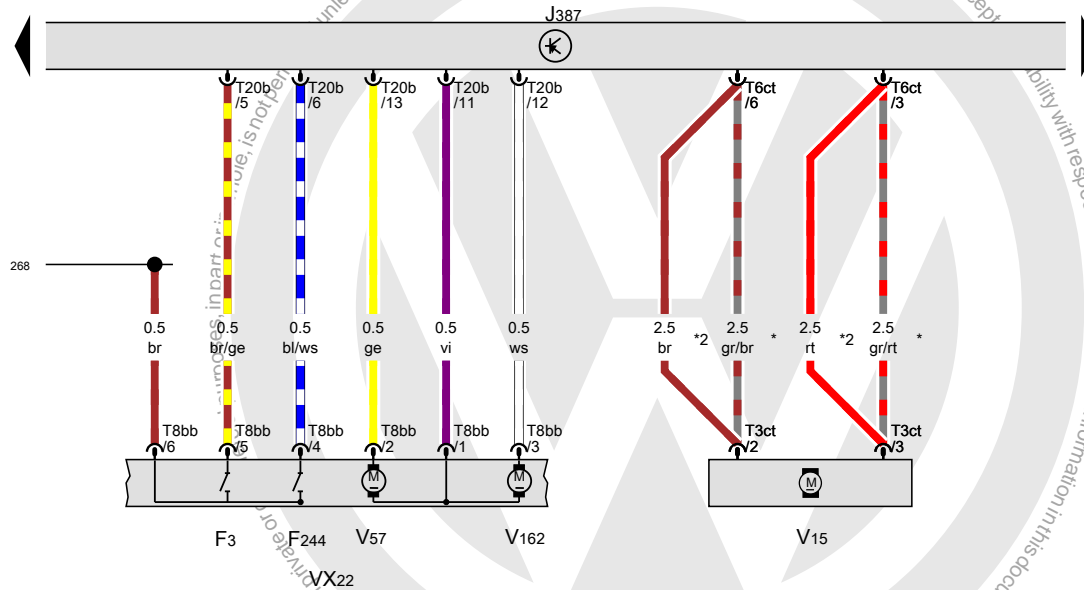
- J387 Front passenger door control unit
- SC39 Fuse 39 on fuse holder C
- T3ac 3-pin connector
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- T32c 32-pin connector
- TTVR Coupling point for front right door
- W68 Light conductor for front right sill panel moulding ambient lighting

- 249 Earth connection 2, in interior wiring harness
- 268 Earth connection 2, in front passenger side door wiring harness
- 638 Earth point, on right A-pillar
- B150 Positive connection 2 (30a), in interior wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- * For models with 4 doors
- *2 For models with 2 doors



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Front passenger door control unit, Right window regulator motor, Front passenger door lock unit

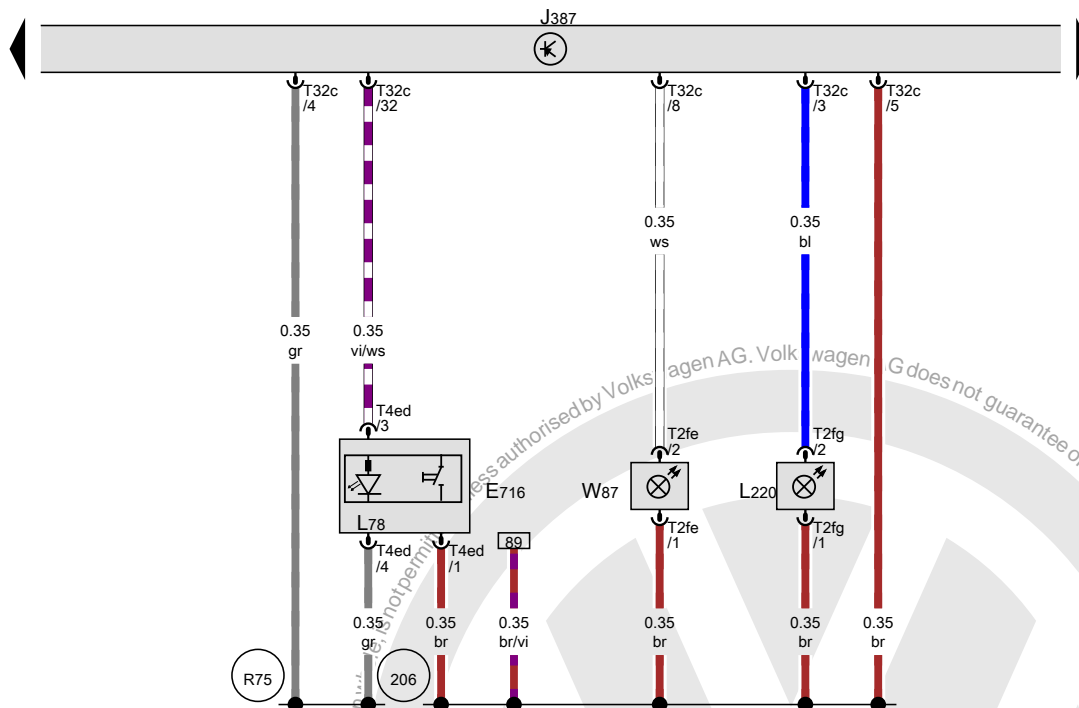
- F3 Front passenger door contact switch
- F244 Front passenger door central locking actuator for SAFELOCK function
- J387 Front passenger door control unit
- T3ct 3-pin connector
- T6ct 6-pin connector
- T8bb 8-pin connector
- T20b 20-pin connector
- V15 Right window regulator motor
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

268 Earth connection 2, in front passenger side door wiring harness

* Up to May 2013

*2 From May 2013

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



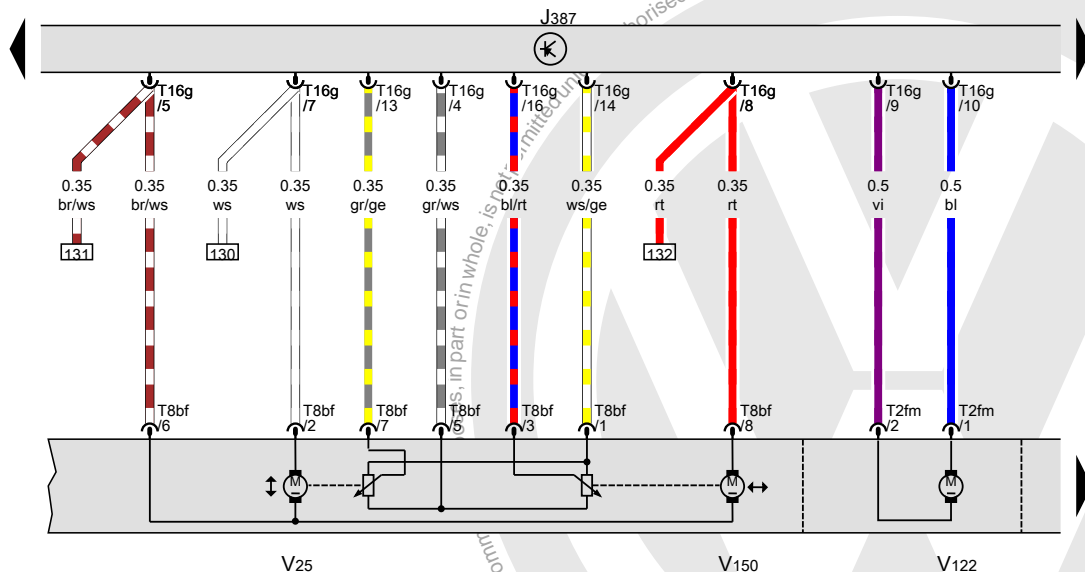
Front passenger side window regulator button, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger door ambient lighting

- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- L78 Mirror adjustment switch illumination bulb
- L220 Light for passenger side interior door handle illumination
- T2fe 2-pin connector
- T2fg 2-pin connector
- T4ed 4-pin connector
- T32c 32-pin connector
- W87 Light for passenger door ambient lighting

(206) Earth connection, in front passenger door wiring harness

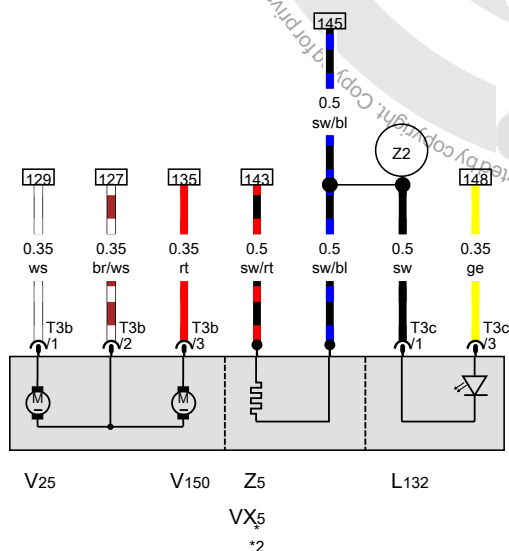
(R75) Connection 1 (58d), in door control unit wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Front passenger door control unit, Passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

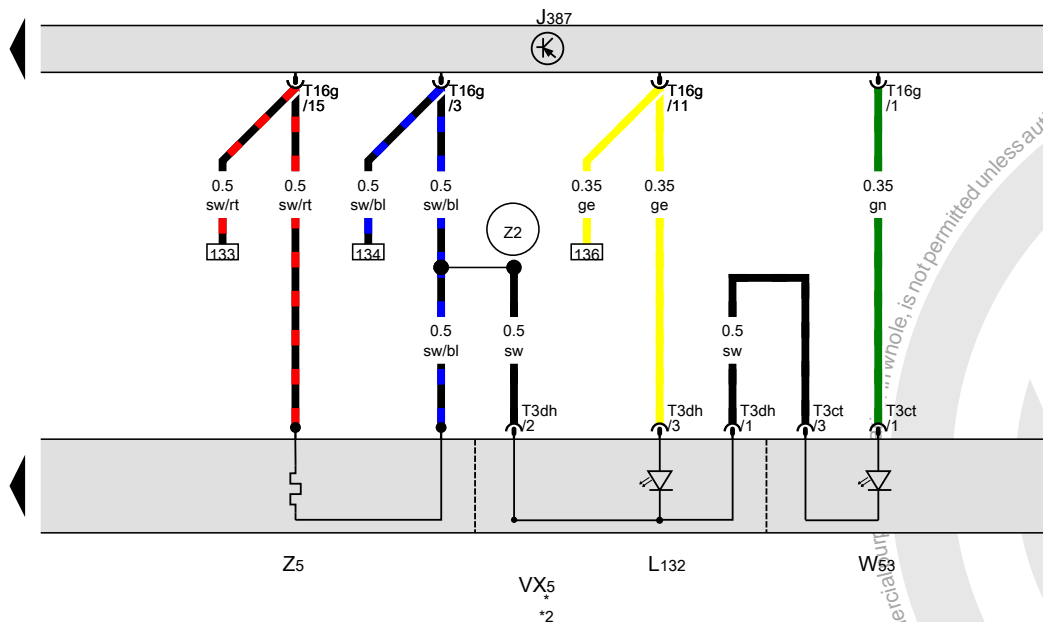
- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T2fm 2-pin connector
- T3b 3-pin connector
- T3c 3-pin connector
- T8bf 8-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on passenger side
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component



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 bl = blue
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 vi = purple
 ge = yellow
 or = orange
 rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

[5G1-003110617]



Front passenger door control unit, Front passenger side turn signal repeater bulb, Passenger side exterior mirror, Heated exterior mirror on passenger side

- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T3ct 3-pin connector
- T3dh 3-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- W53 Entry light in exterior mirror, passenger side
- Z5 Heated exterior mirror on passenger side
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

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 vi = purple
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Rear passenger side window regulator button, Rear right door contact switch, Onboard supply control unit, Rear right door lock unit, Rear right window regulator motor

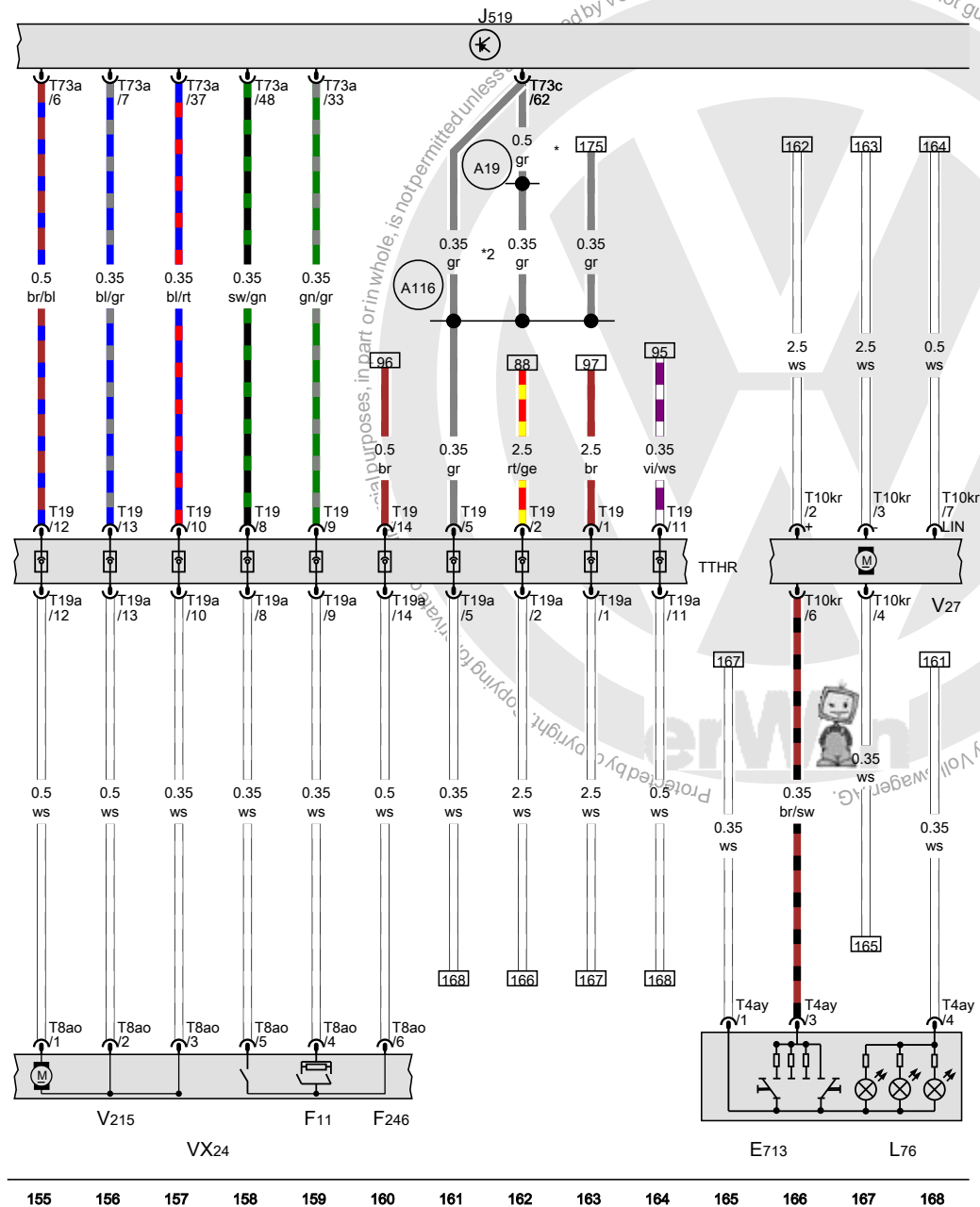
- E713 Rear passenger side window regulator button
- F11 Rear right door contact switch
- F246 Rear right door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ay 4-pin connector
- T8ao 8-pin connector
- T10kr 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TTHR Coupling point for rear right door
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

A19 Connection (58d), in dash panel wiring harness

A116 Connection 2 (58d), in dash panel wiring harness

* Up to May 2013

*2 From May 2013

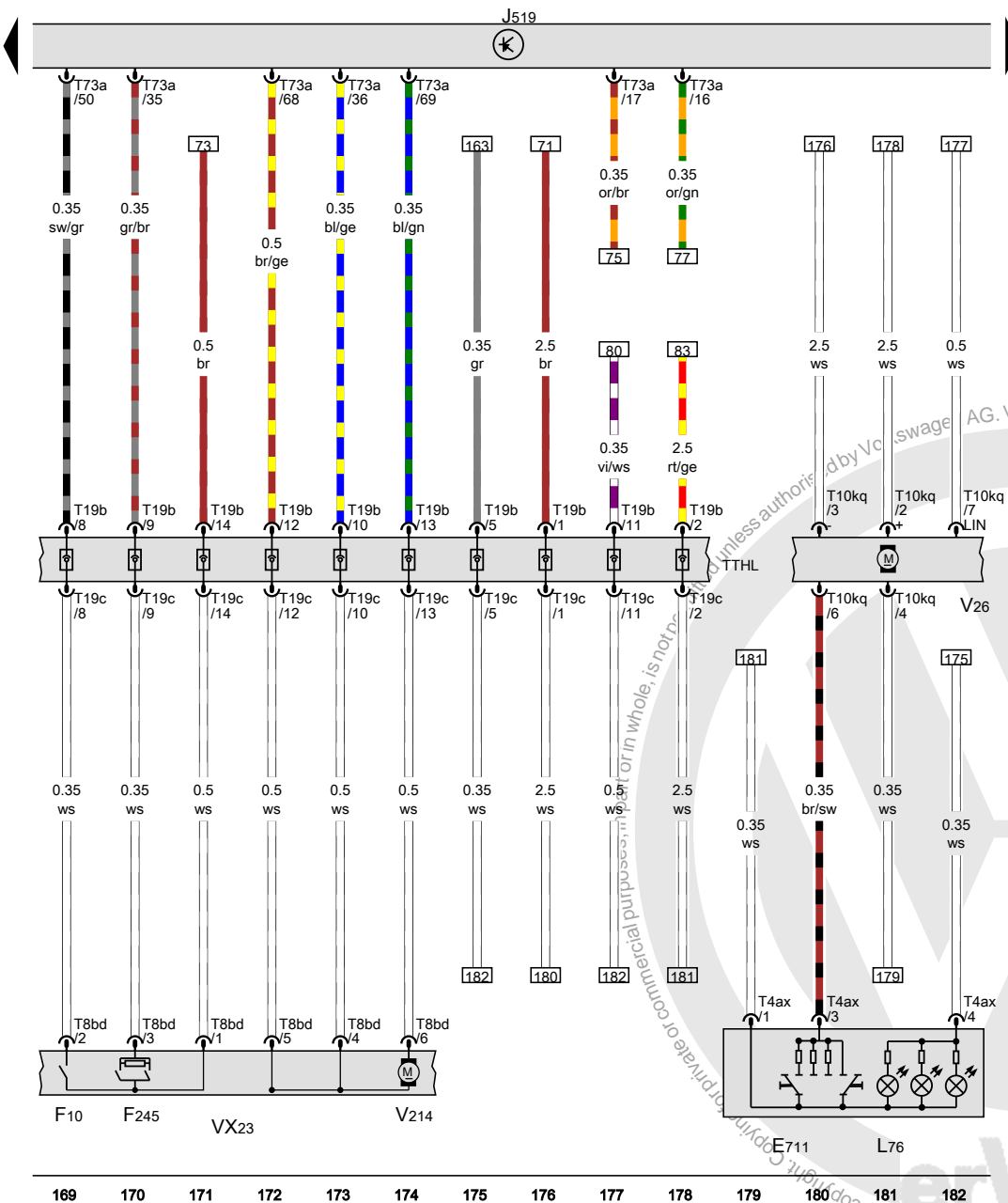


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

15G1-003130617

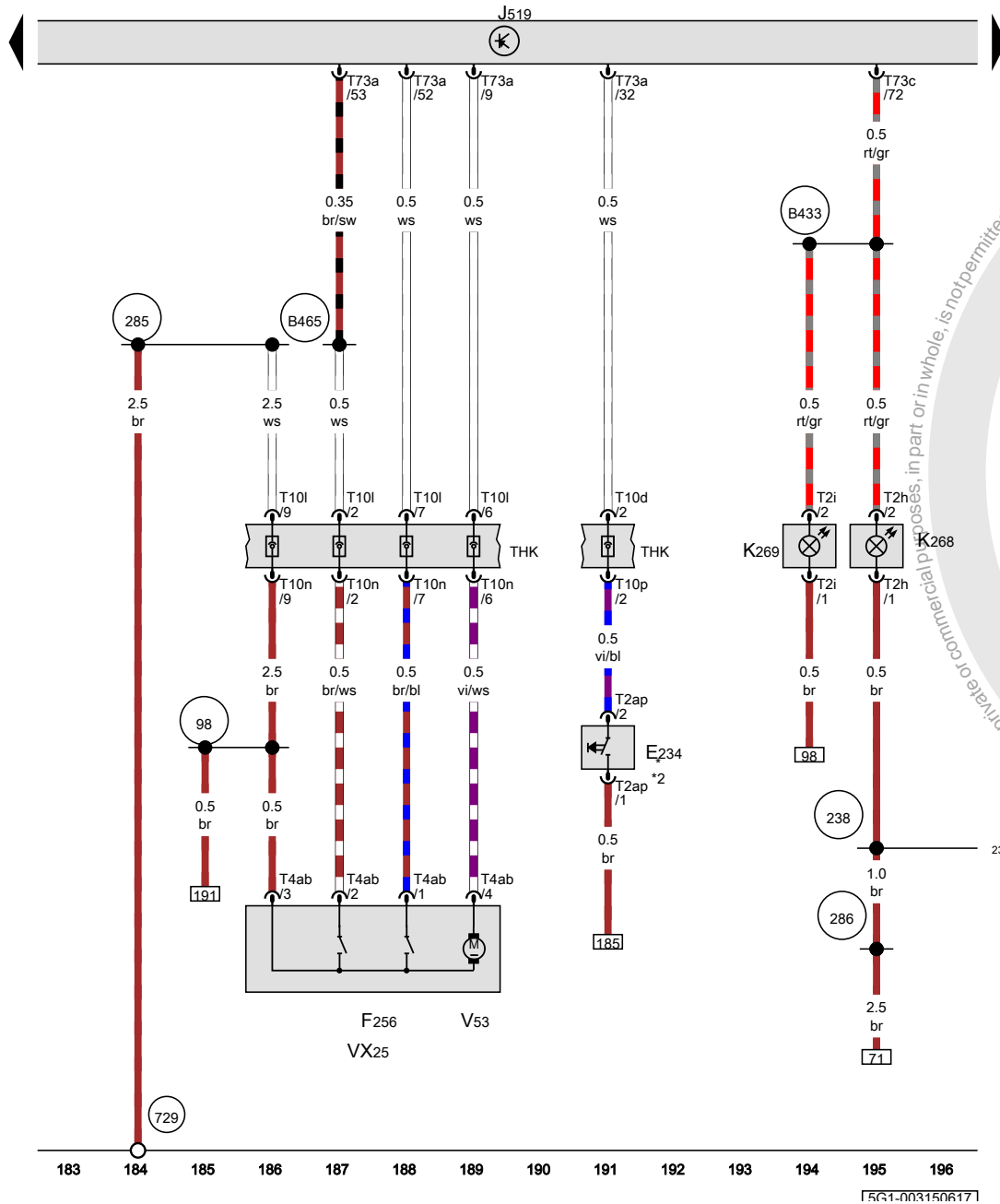
Rear driver side window regulator button, Onboard supply control unit, Rear left door lock unit, Rear left window regulator motor

- E711 Rear driver side window regulator button
- F10 Rear left door contact switch
- F245 Rear left door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ax 4-pin connector
- T8bd 8-pin connector
- T10kq 10-pin connector
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T73a 73-pin connector
- TTHL Coupling point for rear left door
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor
- V214 Rear left door central locking motor, lock



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- bl = blue
- gr = grey
- li = purple
- vi = purple
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Rear lid handle release button, Onboard supply control unit, Front left footwell light, Front right footwell light, Rear lid lock unit



- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- K268 Front left footwell light
- K269 Front right footwell light
- T2ap 2-pin connector
- T2h 2-pin connector
- T2i 2-pin connector
- T4ab 4-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- THK Coupling point for rear lid
- VX25 Rear lid lock unit
- V53 Rear lid central locking motor

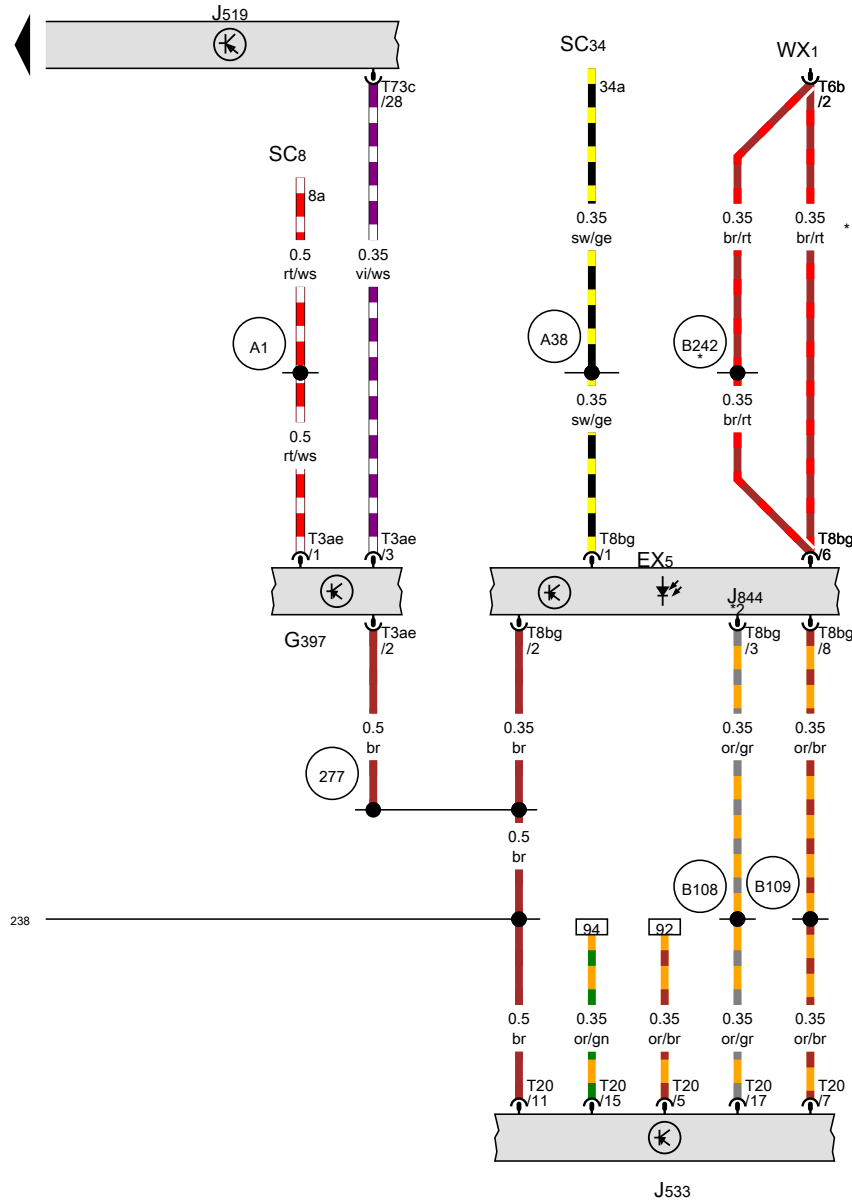
- 98 Earth connection, in rear lid wiring harness
- 238 Earth connection 1, in interior wiring harness
- 285 Earth connection 7, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- B433 Connection (footwell light), in main wiring harness
- B465 Connection 1, in main wiring harness

- * For models with no reversing camera system
- *2 According to equipment

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- bl = blue
- gr = grey
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15G1-003150617

Interior mirror, Rain and light sensor, Onboard supply control unit, Data bus diagnostic interface, Front interior light



- EX5 Interior mirror
- G397 Rain and light sensor
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J844 Main beam assist control unit
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T3ae 3-pin connector
- T6b 6-pin connector
- T8bg 8-pin connector
- T20 20-pin connector
- T73c 73-pin connector
- WX1 Front interior light

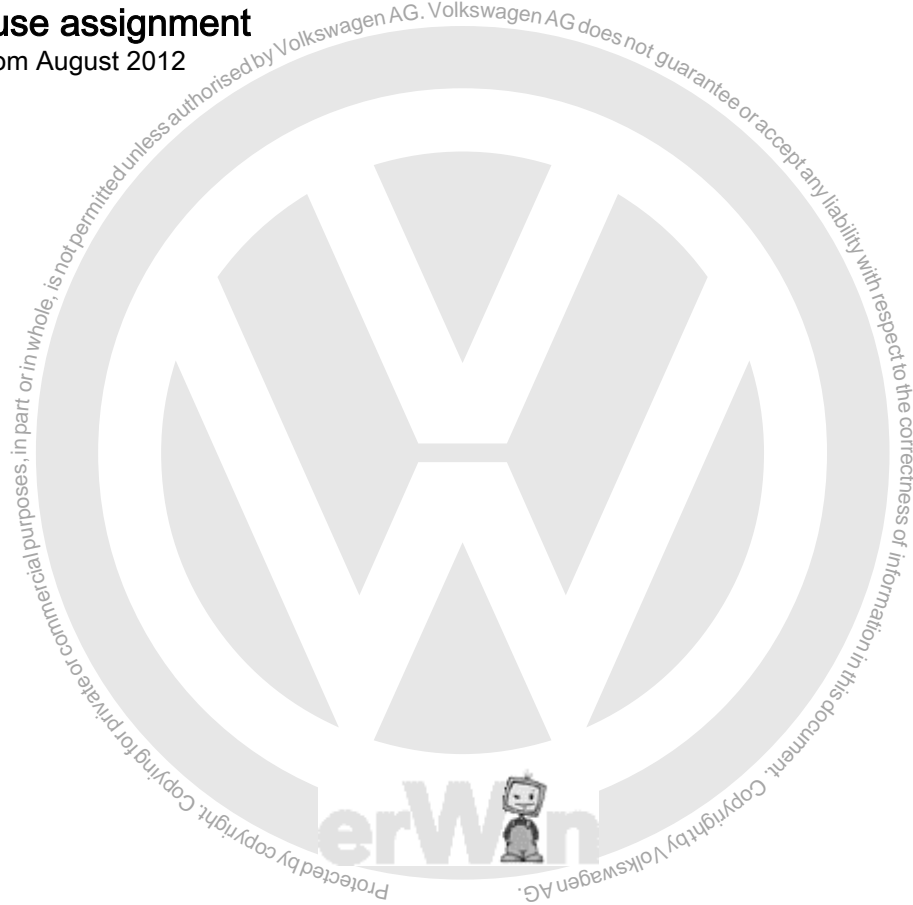
- (238) Earth connection 1, in interior wiring harness
- (277) Earth connection 3, in interior wiring harness
- (A1) Positive connection (30a), in dash panel wiring harness
- (A38) Positive connection 2 (15a) in dash panel wiring harness
- (B108) Connection 1 (CAN bus extended high), in main wiring harness
- (B109) Connection 1 (CAN bus extended low), in main wiring harness
- (B242) Connection (interior mirror - negative), in interior wiring harness

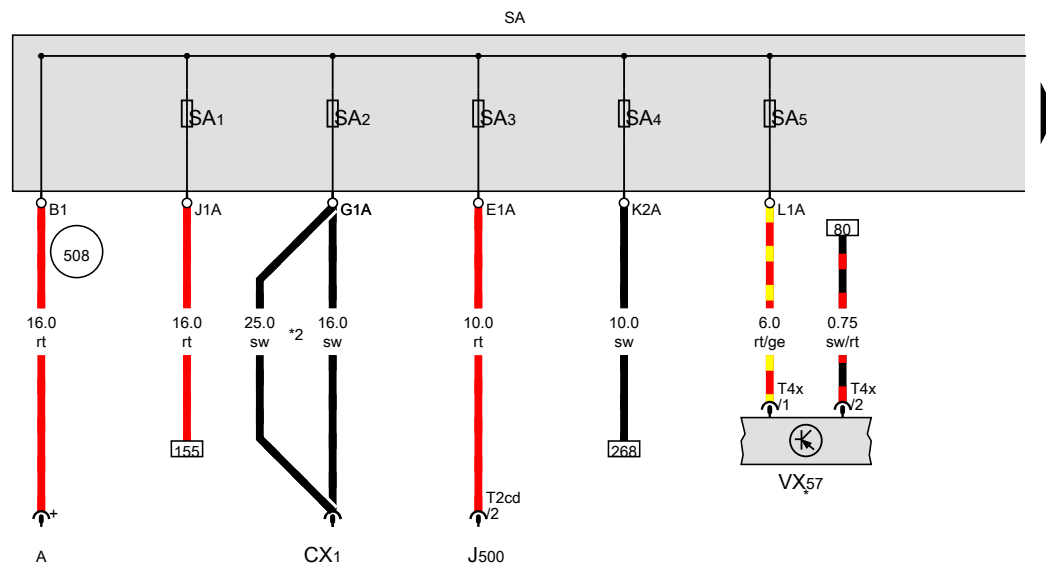
- * According to equipment
- *2 For models with main beam assist

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse assignment

From August 2012





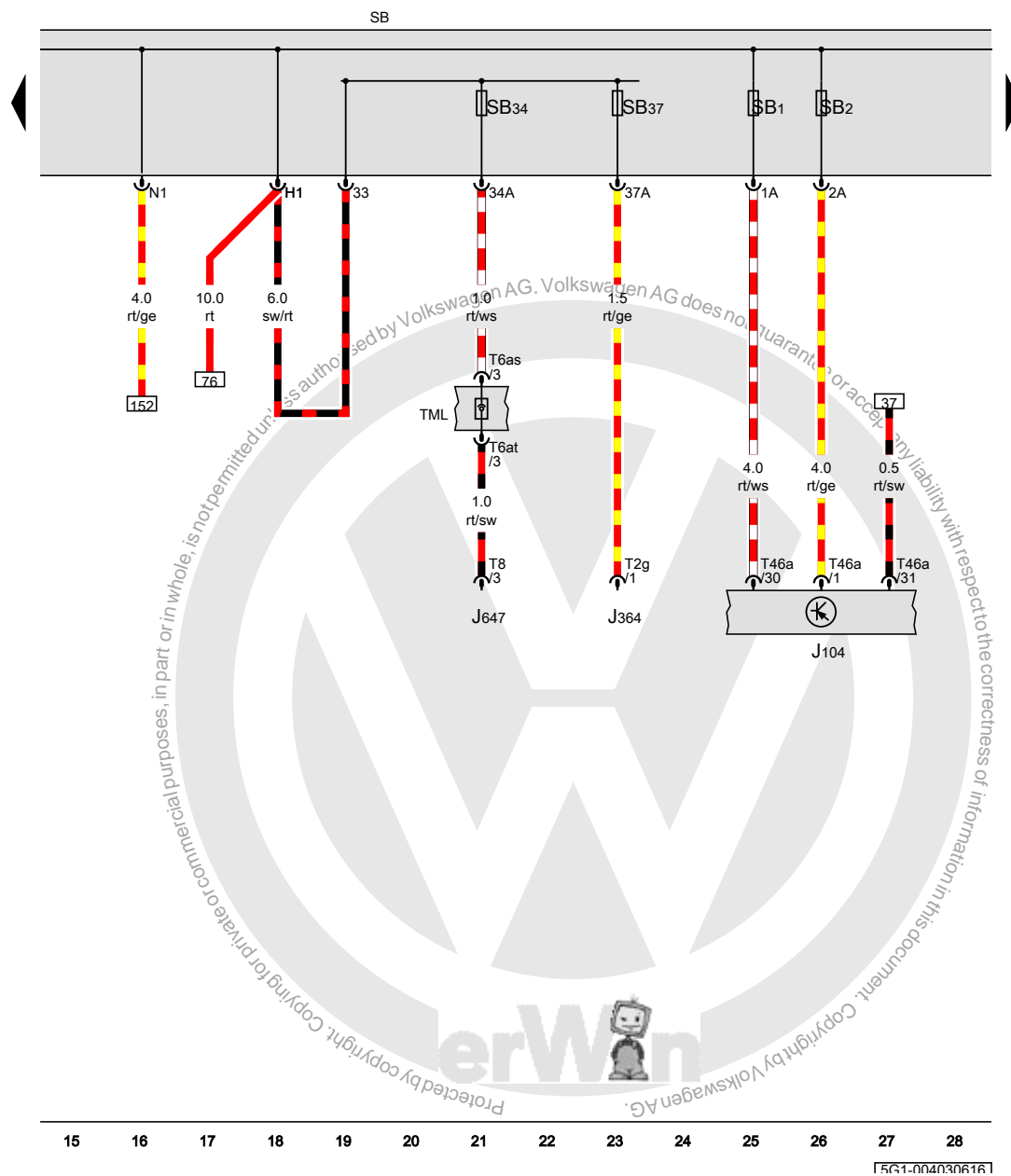
Fuse holder A

- A Battery
- CX1 Alternator with voltage regulator
- J500 Power steering control unit
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SA2 Fuse 2 in fuse holder A
- SA3 Fuse 3 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T2cd 2-pin connector
- T4x 4-pin connector, black
- VX57 Radiator fan
- 508 Threaded connection (30) on E-box
- * Pre-wired component
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Fuse holder B

- J104 ABS control unit
- J364 Auxiliary heater control unit
- J647 Axle differential lock control unit
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB34 Fuse 34 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2g 2-pin connector
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T8 8-pin connector
- T46a 46-pin connector
- TML Coupling point in engine compartment, left



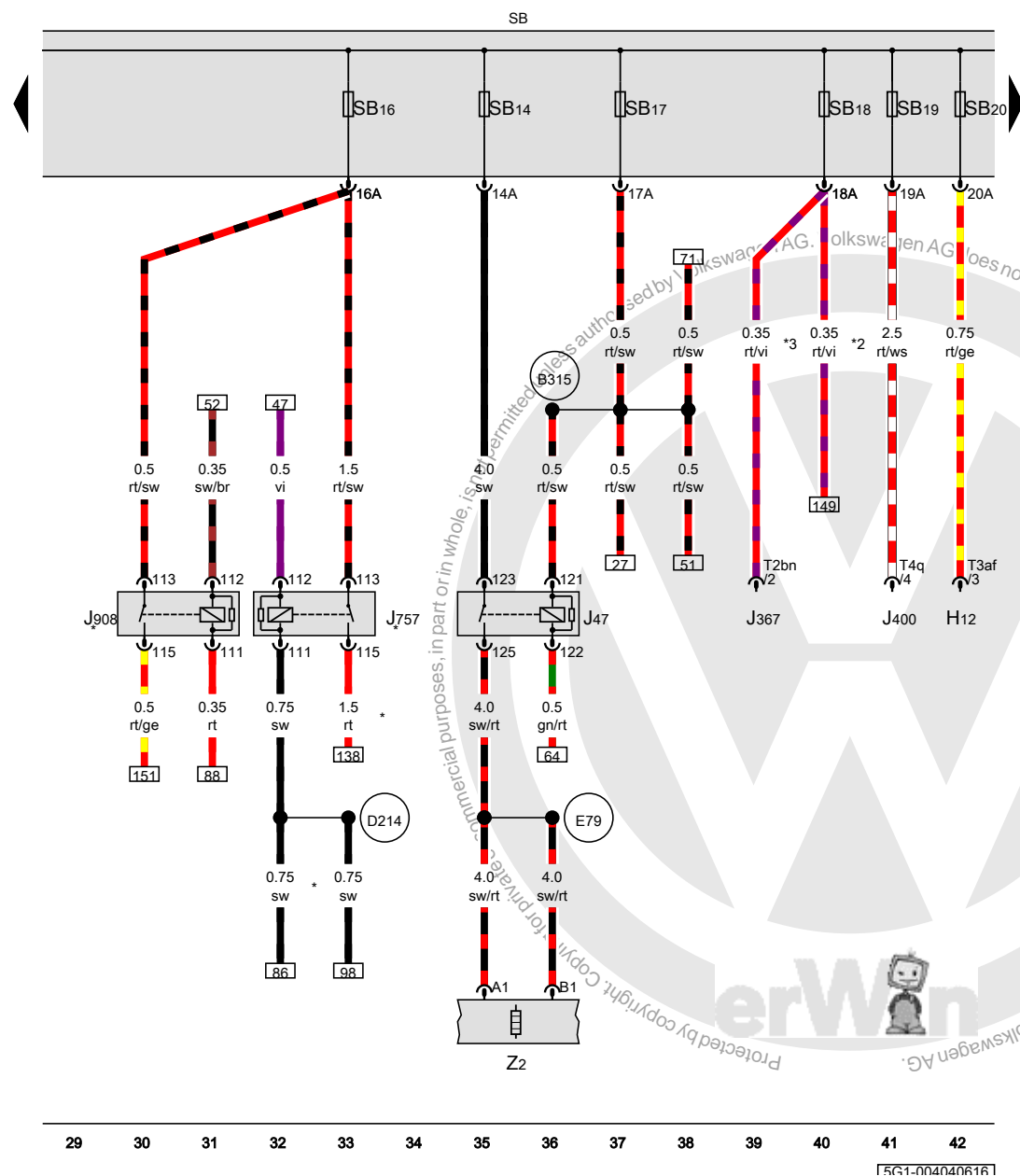
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
- gr = grey
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Heated windscreen relay, Engine component current supply relay, Relay for gas shut-off valves, Fuse holder B

- H12 Alarm horn
- J47 Heated windscreen relay
- J367 Battery monitor control unit
- J400 Wiper motor control unit
- J757 Engine component current supply relay
- J908 Relay for gas shut-off valves
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- T2bn 2-pin connector
- T3af 3-pin connector
- T4q 4-pin connector
- Z2 Heated windscreen

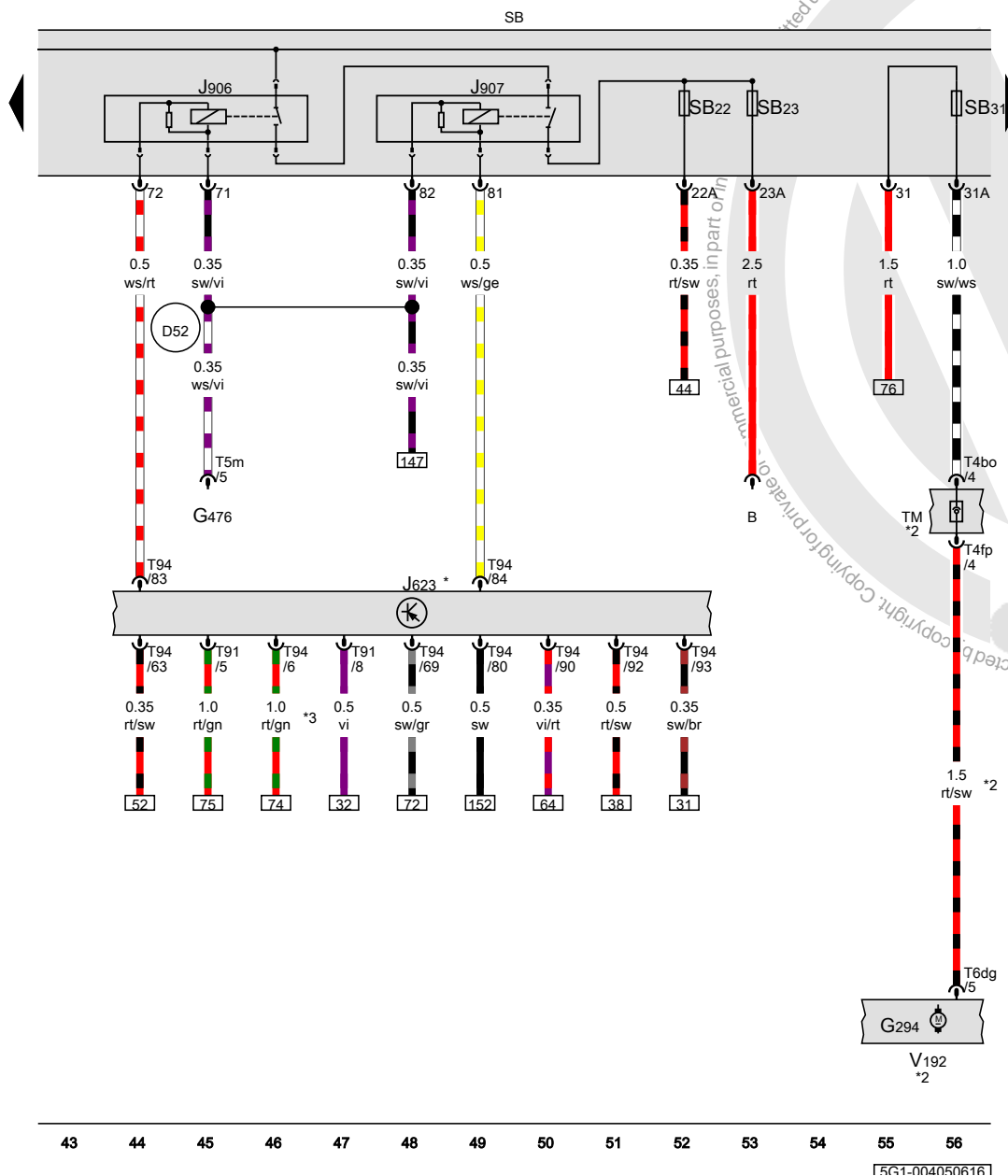
- B315 Positive connection 1 (30a) in main wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- E79 Connection 3 (87a) in engine wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with no start/stop system
- *3 Only models with start/stop system

- ws = white
- sw = black
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
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Starter relay 1, Starter relay 2, Fuse holder B

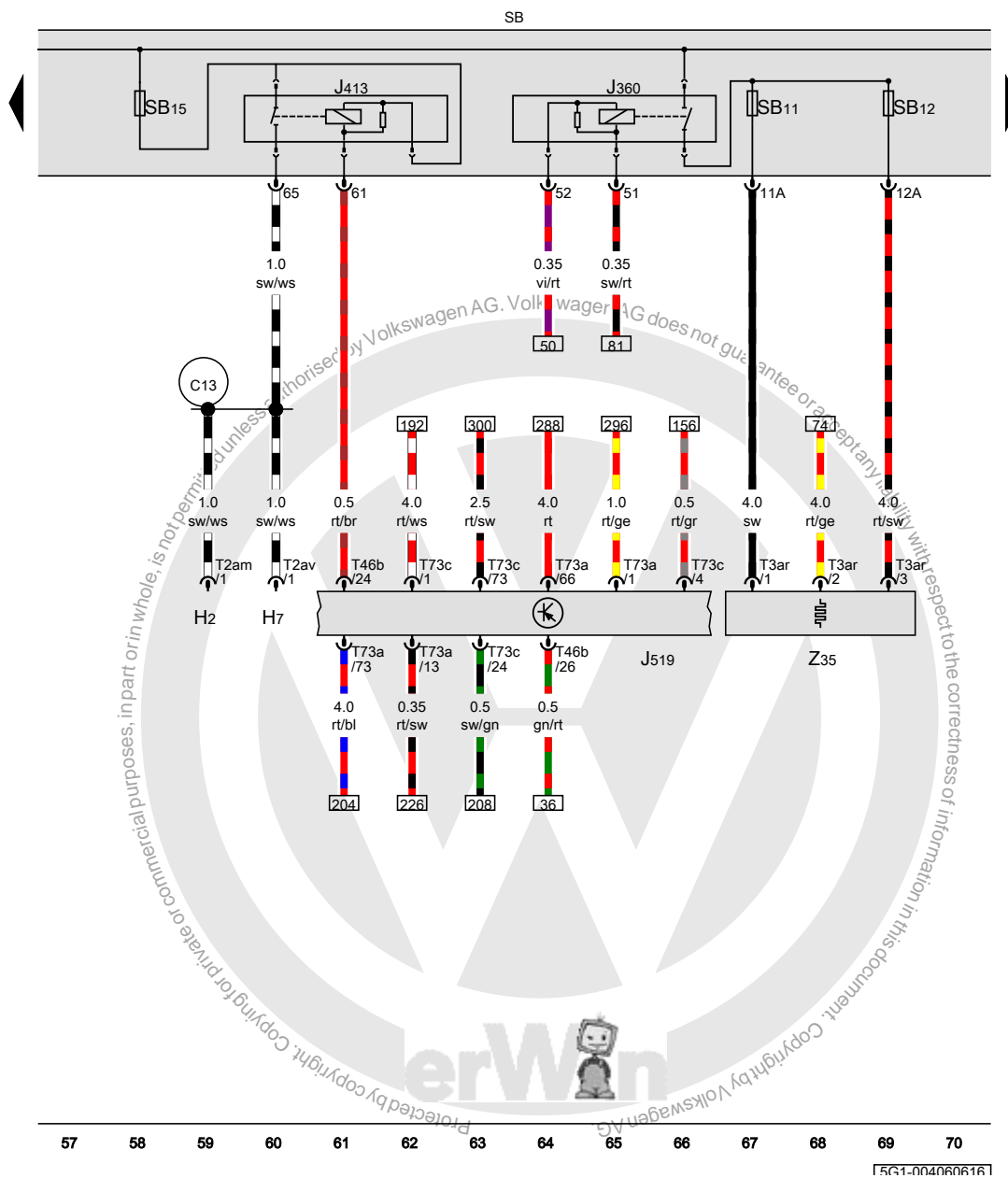
- B Starter
- G294 Brake servo pressure sensor
- G476 Clutch position sender
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T5m 5-pin connector
- T6dg 6-pin connector, black
- T91 91-pin connector
- T94 94-pin connector
- TM Coupling point in engine compartment
- V192 Vacuum pump for brakes
- D52 Positive connection (15a), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with equipment for Japan
- *3 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

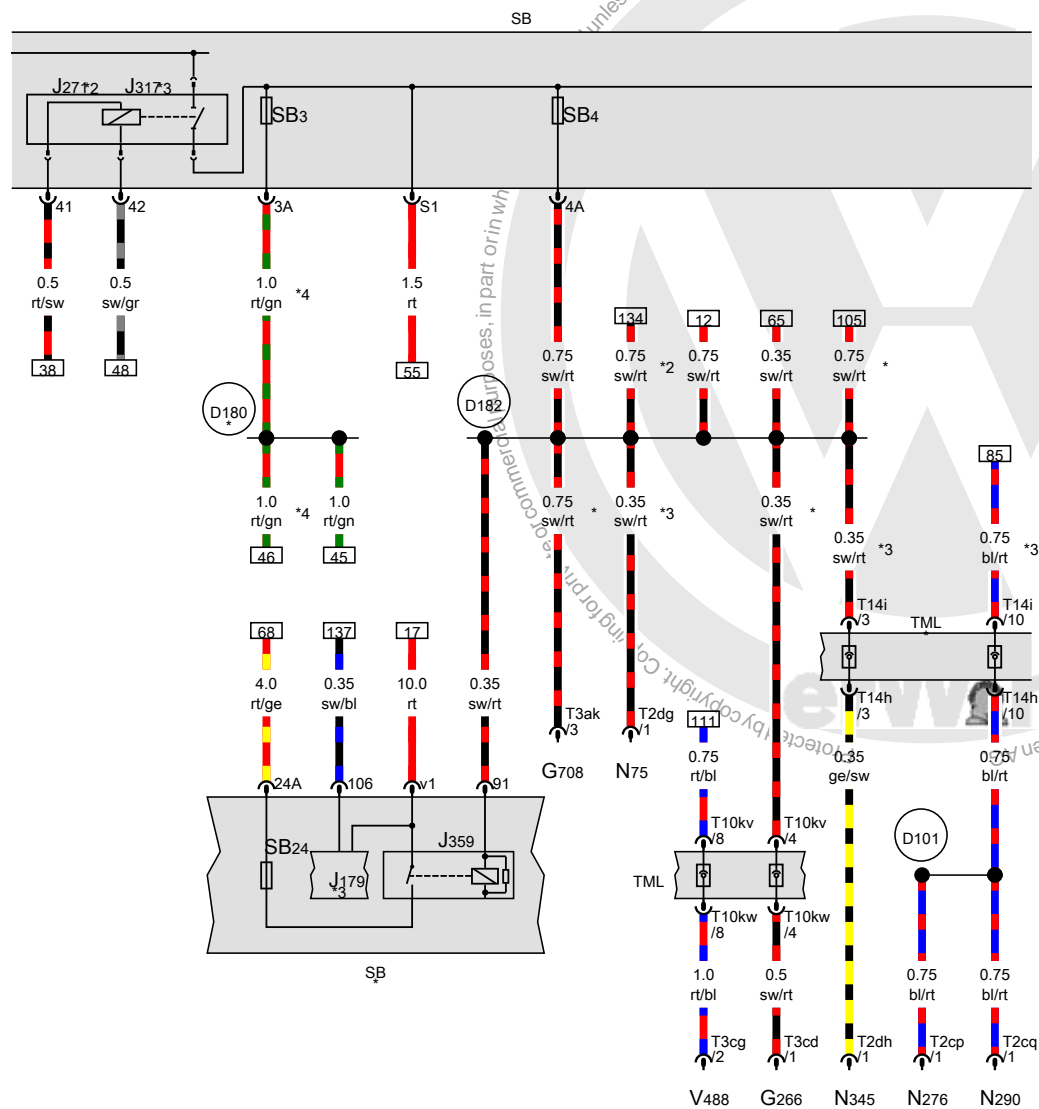
High heat output relay, Horn relay, Fuse holder B

- H2 Treble horn
- H7 Bass horn
- J360 High heat output relay
- J413 Horn relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- T2am 2-pin connector
- T2av 2-pin connector
- T3ar 3-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- Z35 Auxiliary air heater element
- C13 Positive connection in dual tone horn wiring harness



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- vi = purple
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Automatic glow period control unit, Main relay, Terminal 30 voltage supply relay, Low heat output relay, Fuse holder B



- G266 Oil level and oil temperature sender
- G708 Ethanol concentration sender
- J179 Automatic glow period control unit
- J271 Main relay
- J317 Terminal 30 voltage supply relay
- J359 Low heat output relay
- N75 Charge pressure control solenoid valve
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N345 Exhaust gas recirculation cooler changeover valve
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2dg 2-pin connector
- T2dh 2-pin connector
- T3ak 3-pin connector
- T3cd 3-pin connector
- T3cg 3-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- D101 Connection 1 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with petrol engine
- *3 Only models with diesel engine
- *4 Cross section depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
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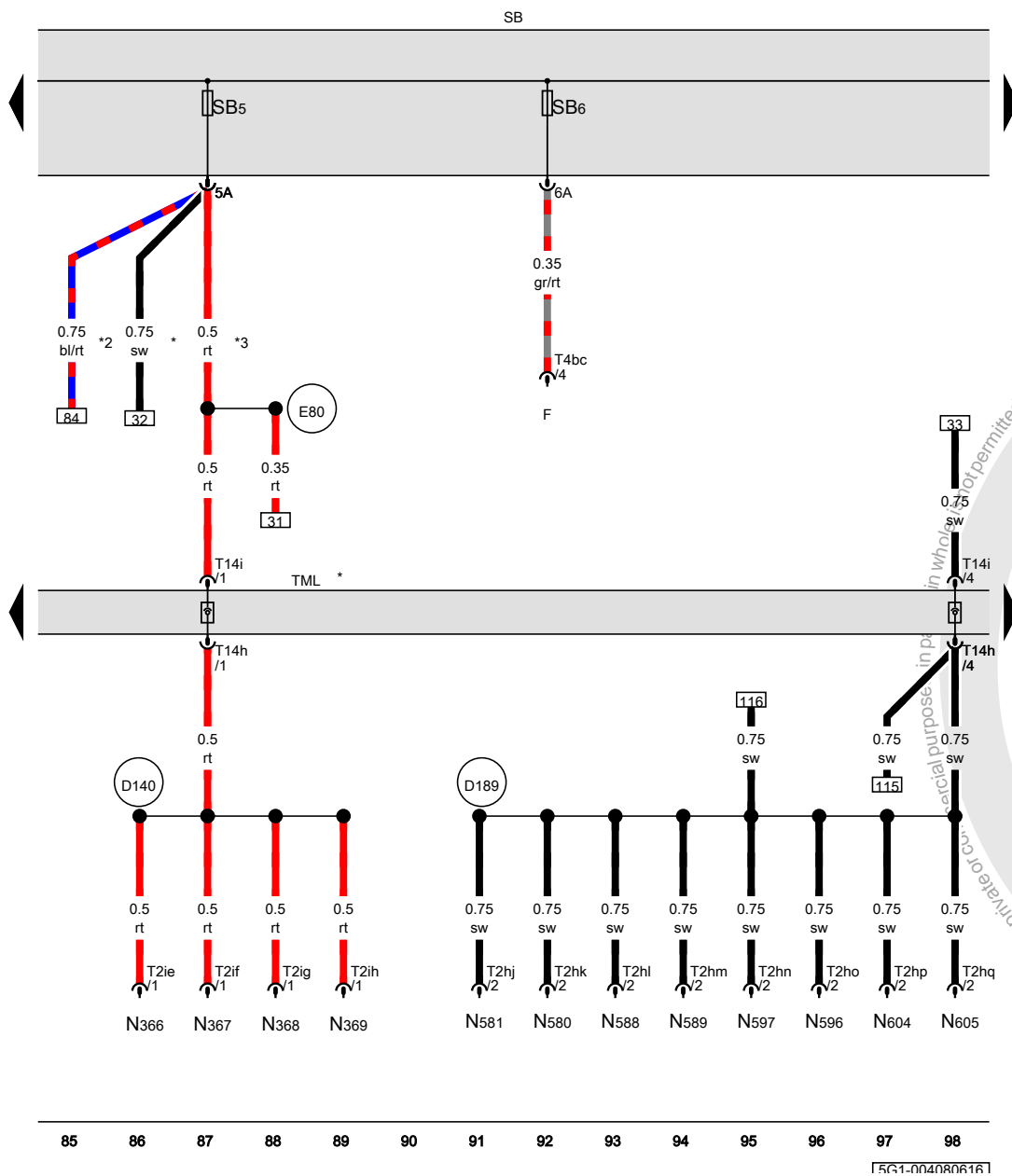
Fuse holder B

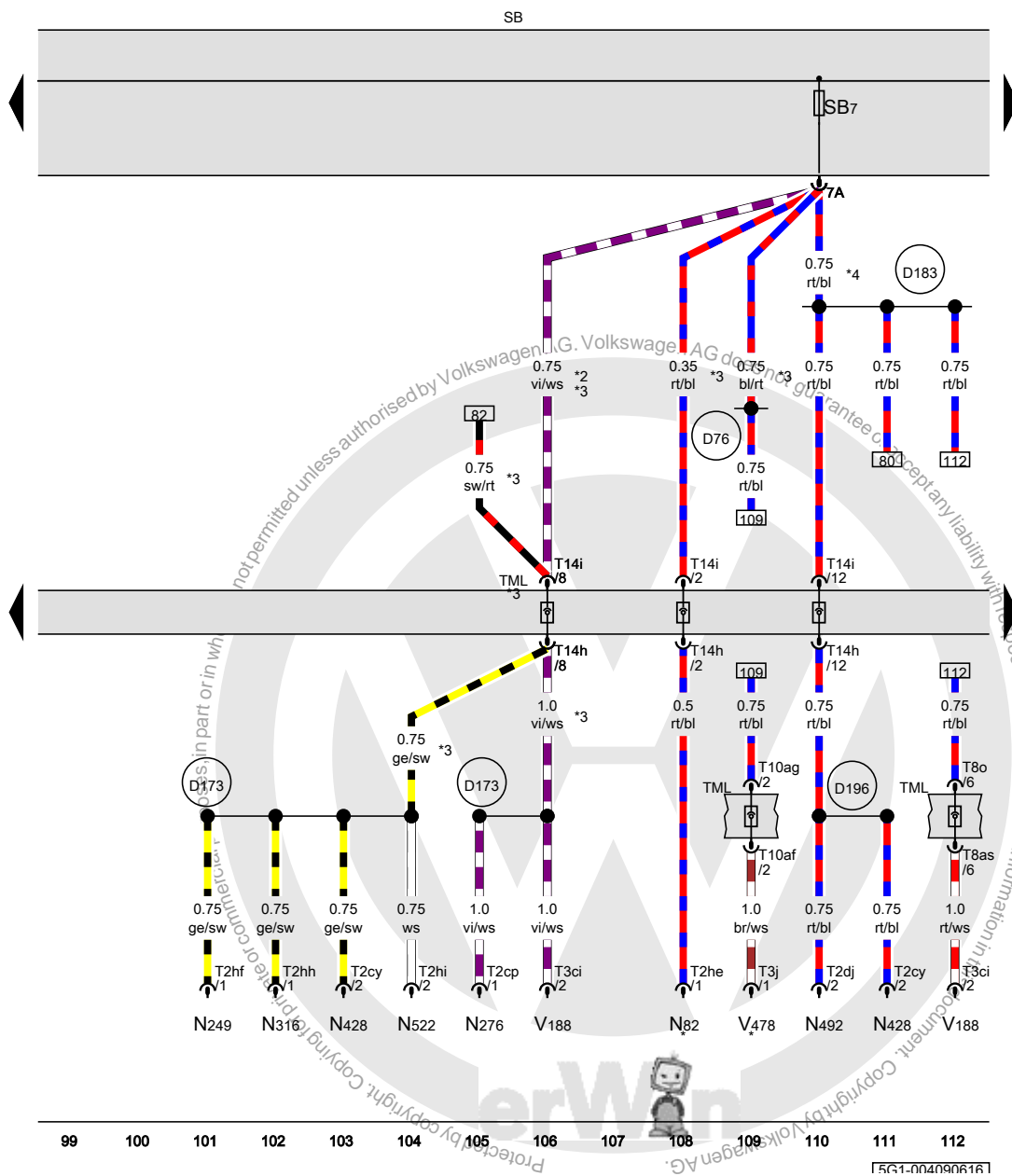
- F Brake light switch
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4

- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T2hj 2-pin connector
- T2hk 2-pin connector
- T2hl 2-pin connector
- T2hm 2-pin connector
- T2hn 2-pin connector
- T2ho 2-pin connector
- T2hp 2-pin connector
- T2hq 2-pin connector
- T2ie 2-pin connector
- T2if 2-pin connector
- T2ig 2-pin connector
- T2ih 2-pin connector
- T4bc 4-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- D140 Connection (injectors), in engine prewiring harness
- D189 Connection (87a) in engine prewiring harness
- E80 Connection 4 (87a) in engine wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 Only models with natural gas engine

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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink





Fuse holder B

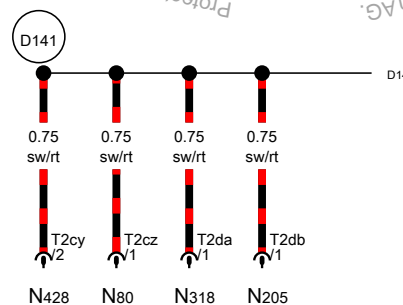
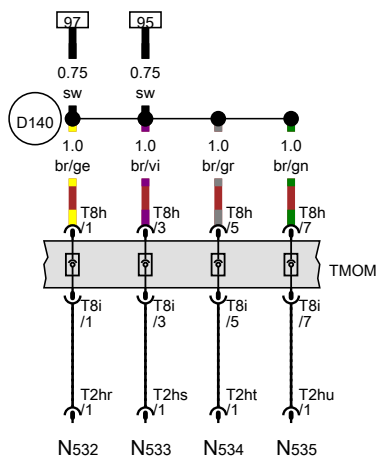
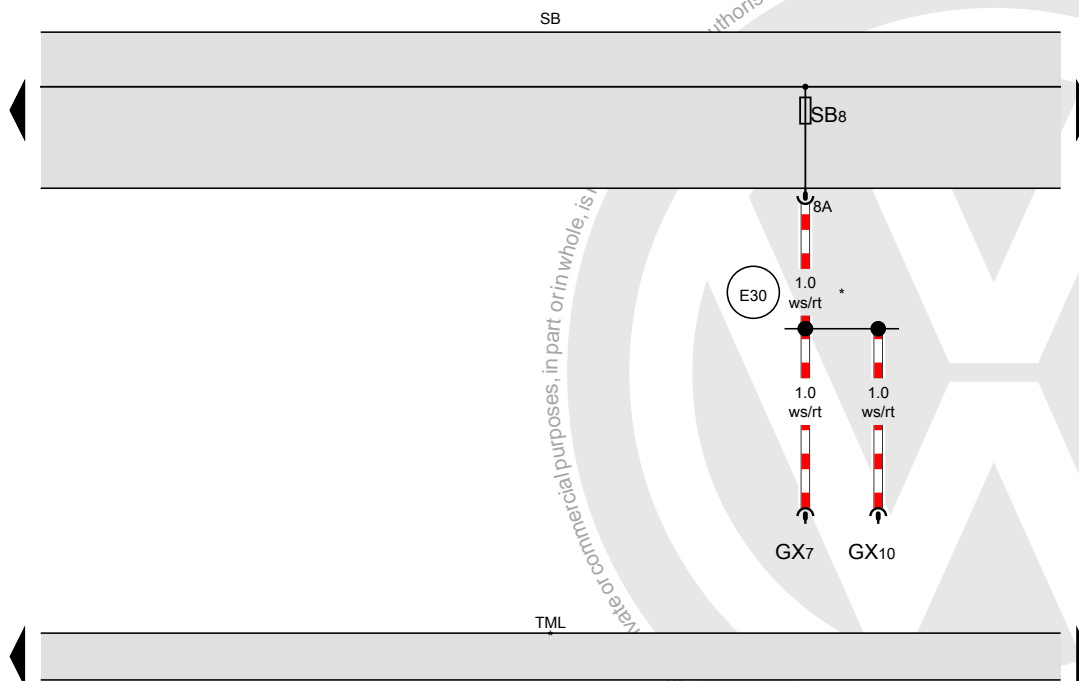
- | | |
|-------|---|
| N82 | Coolant shut-off valve |
| N249 | Turbocharger air recirculation valve |
| N276 | Fuel pressure regulating valve |
| N316 | Intake manifold flap valve |
| N428 | Valve for oil pressure control |
| N492 | Solenoid for coolant circuit |
| N522 | Piston cooling jet control valve |
| SB | Fuse holder B |
| SB7 | Fuse 7 on fuse holder B |
| T2cp | 2-pin connector |
| T2cy | 2-pin connector |
| T2dj | 2-pin connector |
| T2he | 2-pin connector |
| T2hf | 2-pin connector |
| T2hh | 2-pin connector |
| T2hi | 2-pin connector |
| T3ci | 3-pin connector |
| T3j | 3-pin connector |
| T8as | 8-pin connector, black |
| T8o | 8-pin connector, black |
| T10af | 10-pin connector, black |
| T10ag | 10-pin connector, black |
| T14h | 14-pin connector, grey |
| T14i | 14-pin connector, grey |
| TML | Coupling point in engine compartment, left |
| V188 | Charge air cooling pump |
| V478 | Gearbox oil cooling pump |
| D76 | Connection (circulation pump), in engine compartment wiring harness |
| D173 | Connection (87), in engine prewiring harness |
| D183 | Connection 4 (87a), in engine compartment wiring harness |
| D196 | Connection 2 (87a) in engine prewiring harness |
| * | According to equipment |
| *2 | Only models with petrol engine |
| *3 | see applicable current flow diagram for engine |
| *4 | Only models with diesel engine |

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Fuse holder B

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2hr 2-pin connector
- T2hs 2-pin connector
- T2ht 2-pin connector
- T2hu 2-pin connector
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- TML Coupling point in engine compartment, left
- TMOM Coupling point on engine, top centre

- D140 Connection (injectors), in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- E30 Connection (87a), in engine wiring harness
- * see applicable current flow diagram for engine



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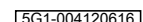


J533	Data bus diagnostic interface
J538	Fuel pump control unit
J743	Mechatronic unit for dual clutch gearbox
J883	Exhaust flap control unit
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
N292	Ignition coil 4 with output stage
N361	Fuel tank shut-off valve 1
N362	Fuel tank shut-off valve 2
SB	Fuse holder B
SB10	Fuse 10 on fuse holder B
SB13	Fuse 13 on fuse holder B
T2ic	2-pin connector
T2id	2-pin connector
T3dj	3-pin connector
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T6cg	6-pin connector
T17f	17-pin connector, blue
T17g	17-pin connector, blue
T20	20-pin connector
TIUL	Coupling point in interior, below left

- U7 Connection (87), in automatic gearbox wiring harness

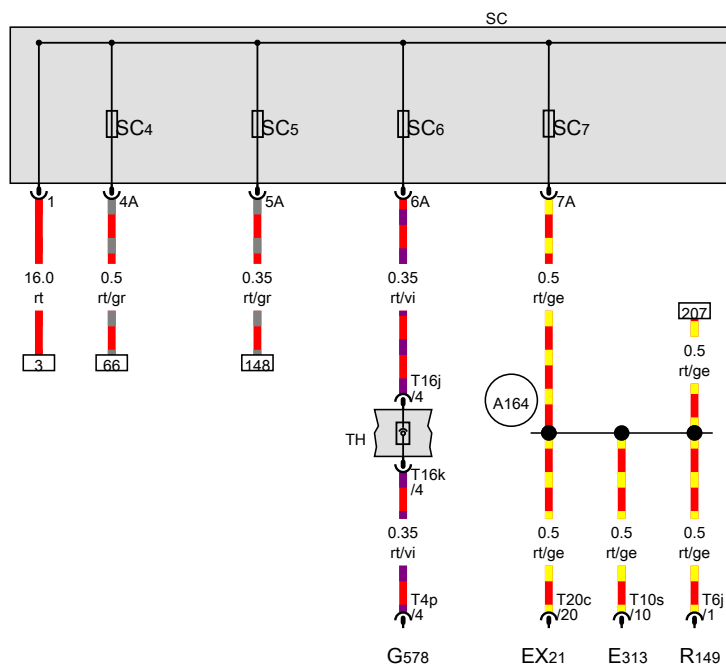
- * see applicable current flow diagram for engine
- *2 see applicable current flow diagram for dual clutch gearbox
- *3 According to equipment
- *4 Only models with no start/stop system
- *5 Cross section depends on equipment

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Fuse holder C

- EX21 Heater and air conditioning controls
- E313 Selector lever
- G578 Anti-theft alarm sensor
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T4p 4-pin connector
- T6j 6-pin connector
- T10s 10-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T20c 20-pin connector
- TH Coupling point for roof
- A164 Positive connection 2 (30a) in dash panel wiring harness



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Fuse holder C

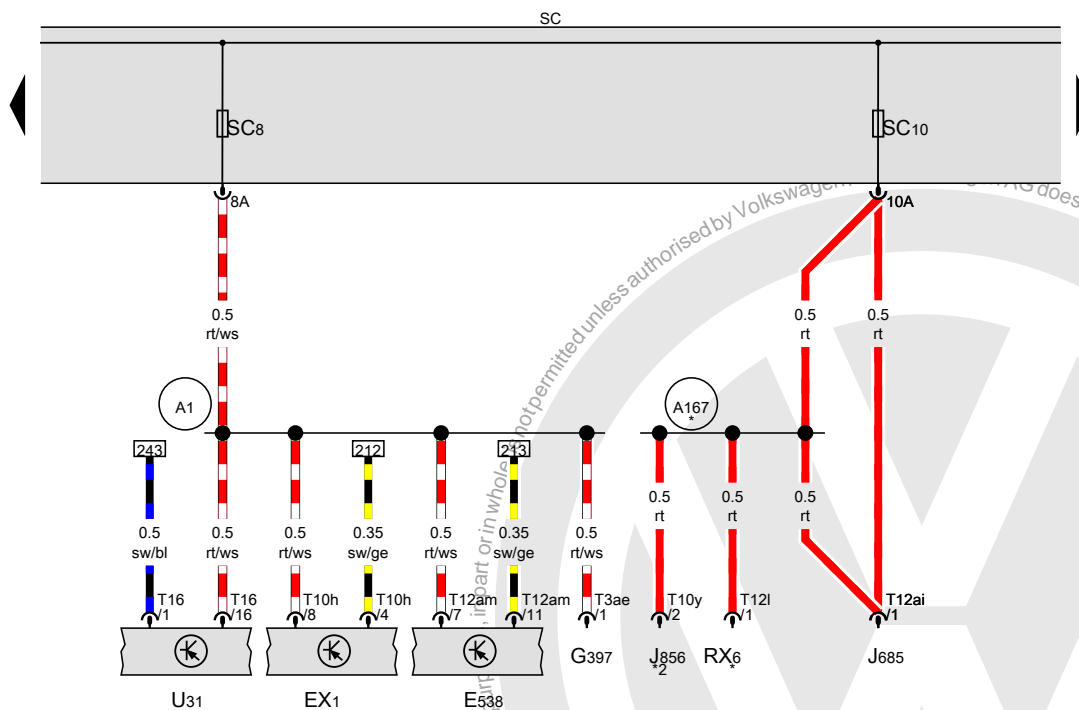
- EX1 Rotary light switch
- E538 Electromechanical parking brake button
- G397 Rain and light sensor
- J685 Display unit for front information display and operating unit control unit
- J856 Control unit for navigation system
- RX6 TV tuner
- SC Fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- T3ae 3-pin connector
- T10h 10-pin connector
- T10y 10-pin connector
- T12ai 12-pin connector
- T12am 12-pin connector
- T12l 12-pin connector, black
- T16 16-pin connector
- U31 Diagnostic connection

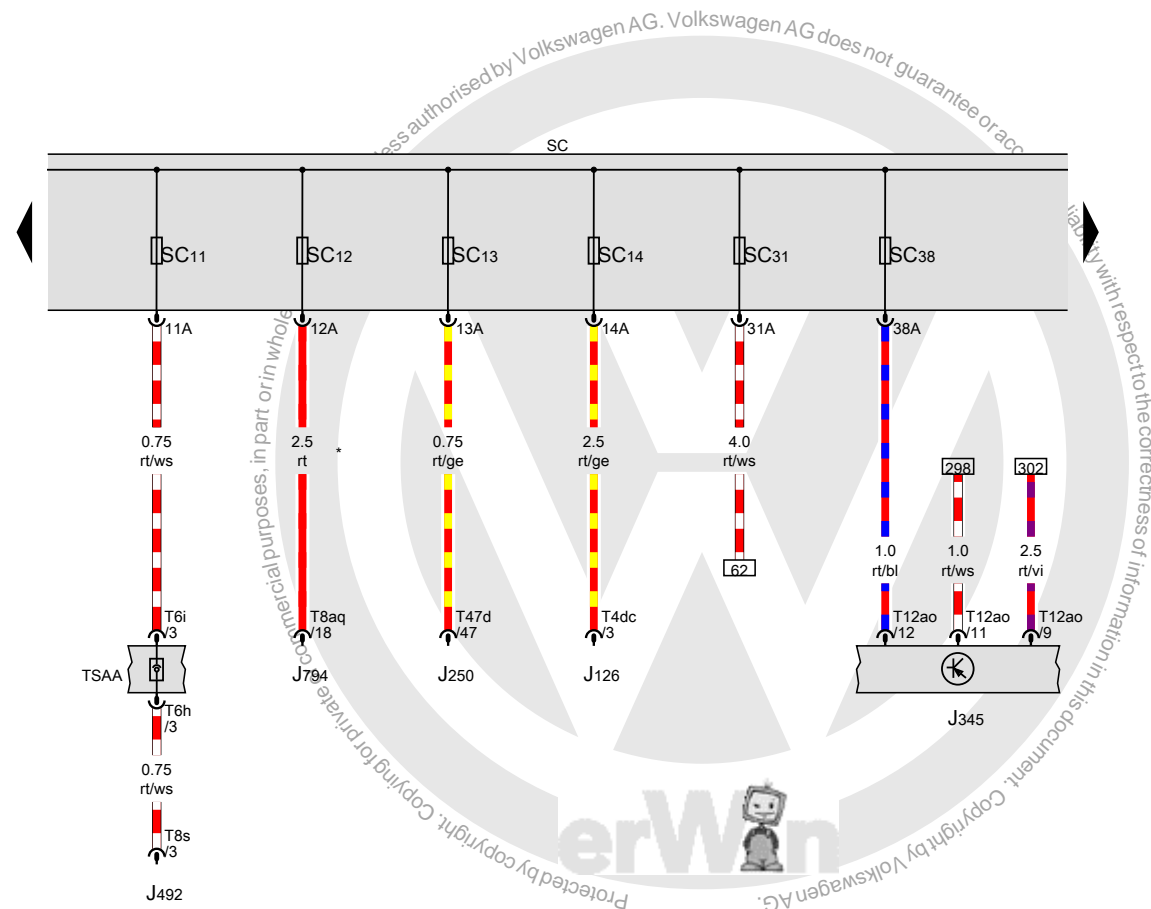
A1 Positive connection (30a), in dash panel wiring harness

A167 Positive connection 3 (30a) in dash panel wiring harness

* According to equipment
2 Only models with equipment for Korea

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink





Fuse holder C

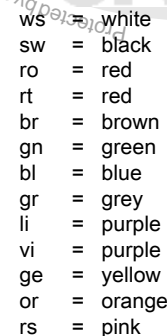
- | | |
|-------|--|
| J126 | Fresh air blower control unit |
| J250 | Electronically controlled damping control unit |
| J345 | Trailer detector control unit |
| J492 | All-wheel drive control unit |
| J794 | Control unit 1 for information electronics |
| SC | Fuse holder C |
| SC11 | Fuse 11 on fuse holder C |
| SC12 | Fuse 12 on fuse holder C |
| SC13 | Fuse 13 on fuse holder C |
| SC14 | Fuse 14 on fuse holder C |
| SC31 | Fuse 31 on fuse holder C |
| SC38 | Fuse 38 on fuse holder C |
| T4dc | 4-pin connector |
| T6h | 6-pin connector, black |
| T6i | 6-pin connector, black |
| T8aq | 8-pin connector, black |
| T8s | 8-pin connector |
| T12ao | 12-pin connector |
| T47d | 47-pin connector |
| TSAA | Coupling point for all-wheel drive |
| * | Cross section depends on equipment |

- ws = white
sw = black
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rt = red
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J9	Heated rear window relay
J387	Front passenger door control unit
J527	Steering column electronics control unit
SC	Fuse holder C
SC39	Fuse 39 on fuse holder C
SC41	Fuse 41 on fuse holder C
SC42	Fuse 42 on fuse holder C
SC53	Fuse 53 on fuse holder C
T1b	Single connector
T10d	10-pin connector, black
T10kr	10-pin connector
T10p	10-pin connector, black
T16r	16-pin connector
T19	19-pin connector, black
T19a	19-pin connector, black
T20b	20-pin connector
T27a	27-pin connector, black
T27c	27-pin connector, black
THK	Coupling point for rear lid
TTHR	Coupling point for rear right door
TTVR	Coupling point for front right door
V27	Rear right window regulator motor
Z1	Heated rear window

(B150) Positive connection 2 (30a), in interior wiring harness

* see applicable current flow diagram for convenience system

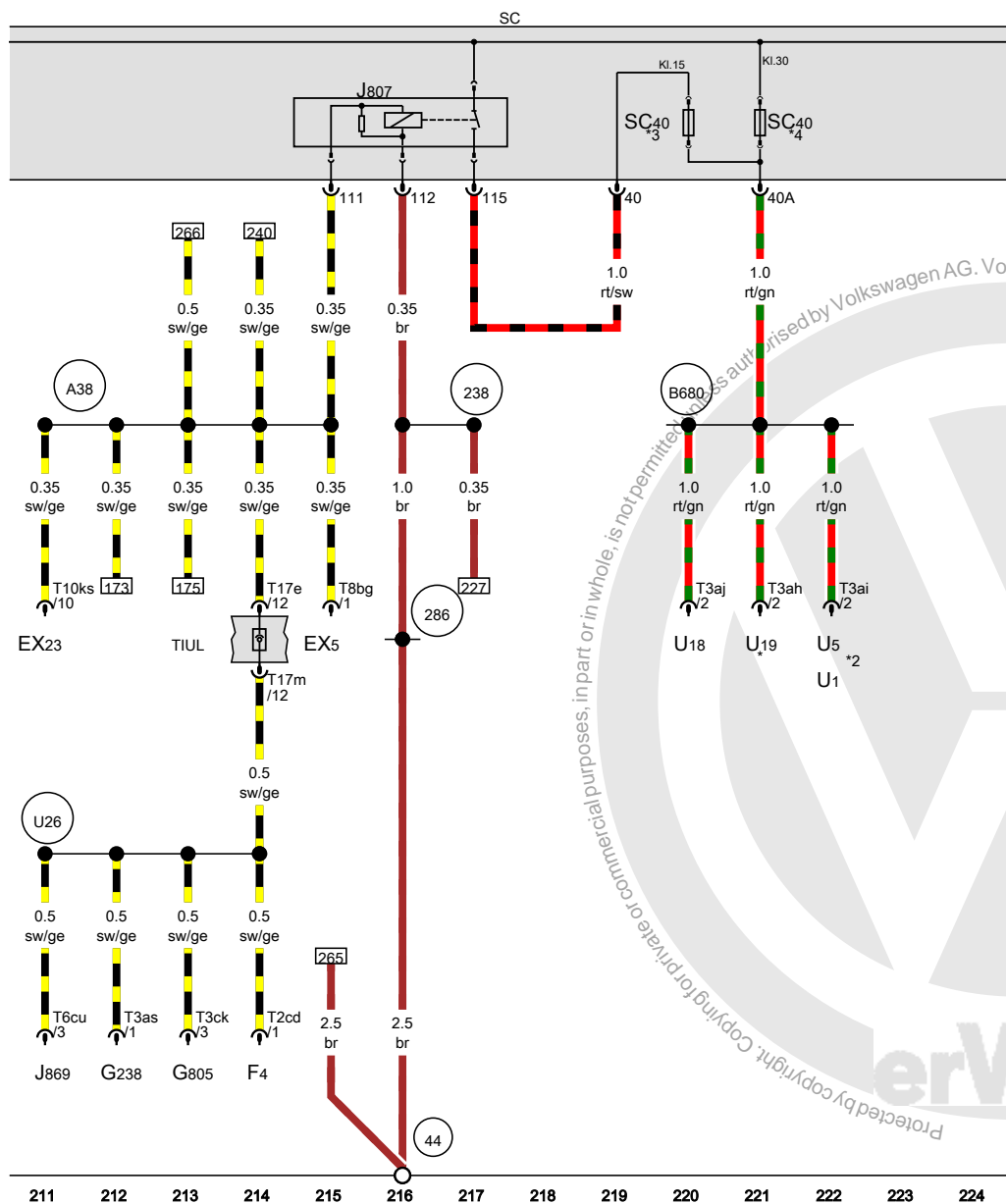


Relay for power sockets, Fuse holder C

- EX5 Interior mirror
- EX23 Switch module 1 in centre console
- F4 Reversing light switch
- G238 Air quality sensor
- G805 Pressure sender for refrigerant circuit
- J807 Relay for power sockets
- J869 Control unit for structure-borne sound
- SC Fuse holder C
- SC40 Fuse 40 on fuse holder C
- T2cd 2-pin connector
- T3ah 3-pin connector
- T3ai 3-pin connector
- T3aj 3-pin connector
- T3as 3-pin connector
- T3ck 3-pin connector
- T6cu 6-pin connector
- T8bg 8-pin connector
- T10ks 10-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- TIUL Coupling point in interior, below left
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- U19 12 V socket 3

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- U26 Connection (15), in gearbox switch wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



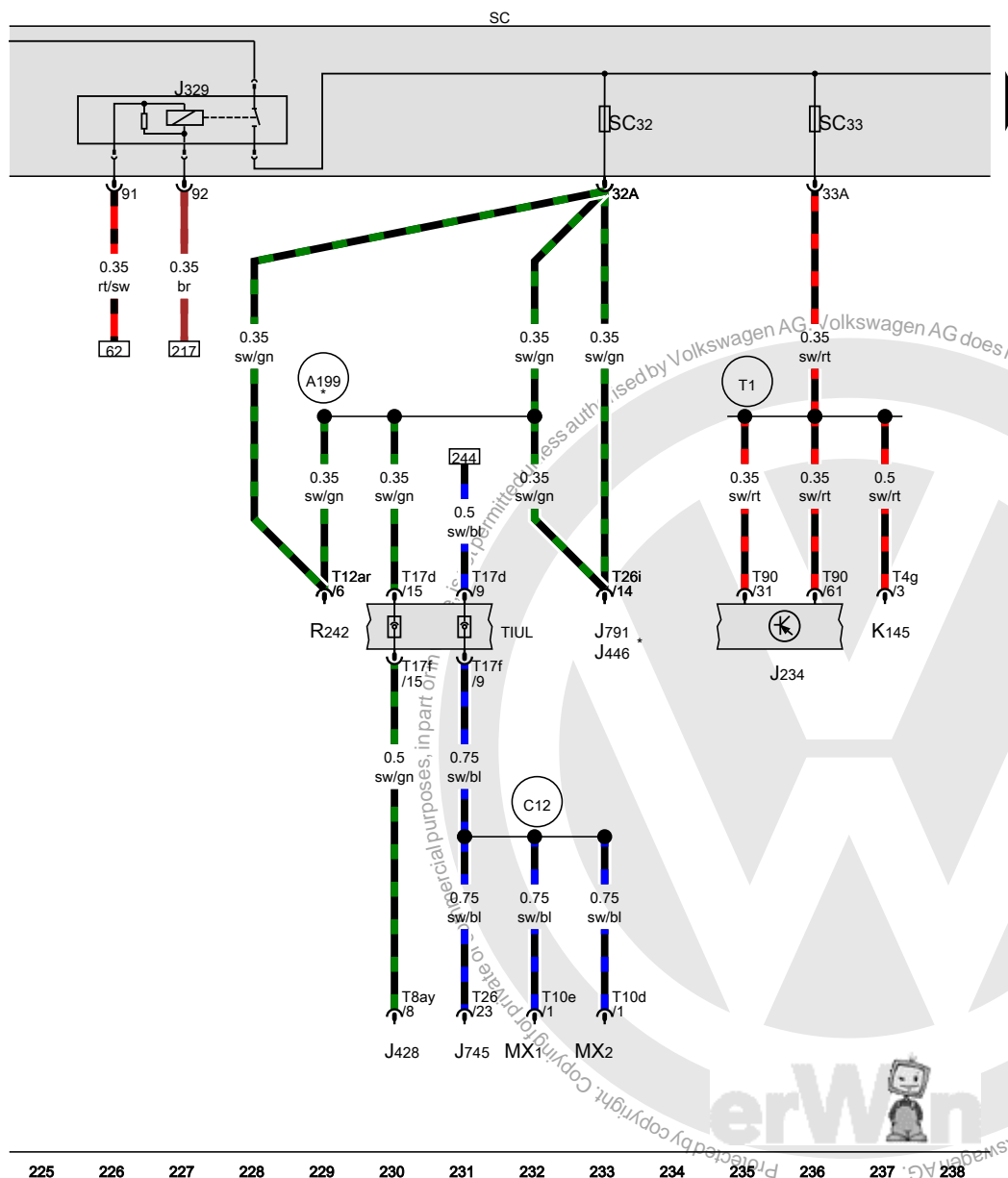
15G1-004170616

Terminal 15 voltage supply relay, Fuse holder C

- J234 Airbag control unit
- J329 Terminal 15 voltage supply relay
- J428 Adaptive cruise control unit
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- J791 Park assist steering control unit
- K145 Front passenger side airbag deactivated warning lamp
- MX1 Front left headlight
- MX2 Front right headlight
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T4g 4-pin connector
- T8ay 8-pin connector
- T10d 10-pin connector, black
- T10e 10-pin connector
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T26 26-pin connector
- T26i 26-pin connector
- T90 90-pin connector
- TIUL Coupling point in interior, below left

- A199 Positive connection 4 (15a) in dash panel wiring harness
- C12 Positive connection 1, in headlight wiring harness
- T1 Positive connection 1, in airbag wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Fuse holder C

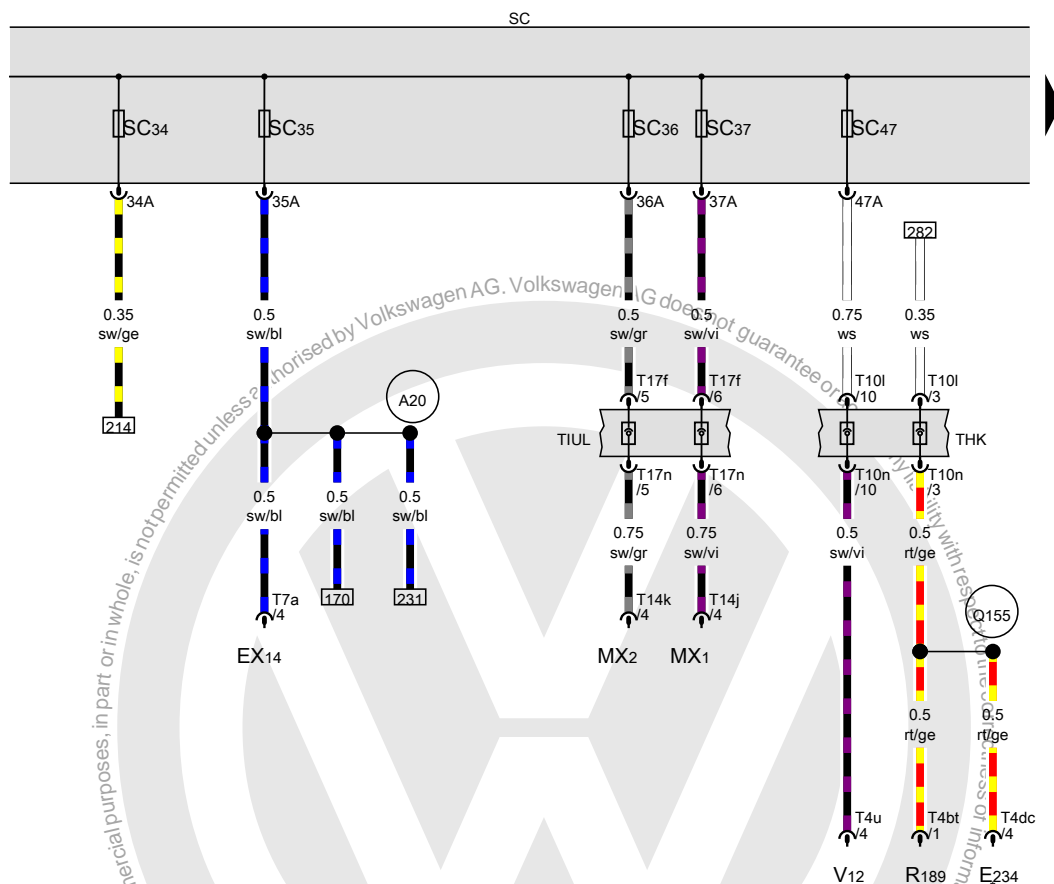
- EX14 Headlight range control and instrument illumination regulator
- E234 Rear lid handle release button
- MX1 Front left headlight
- MX2 Front right headlight
- R189 Reversing camera
- SC Fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T4bt 4-pin connector
- T4dc 4-pin connector
- T4u 4-pin connector
- T7a 7-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T14j 14-pin connector
- T14k 14-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- THK Coupling point for rear lid
- TIUL Coupling point in interior, below left
- V12 Rear window wiper motor

A20 Positive connection (15a), in dash panel wiring harness

Q155 Connection (30a), in rear lid wiring harness

* Only models with reversing camera system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

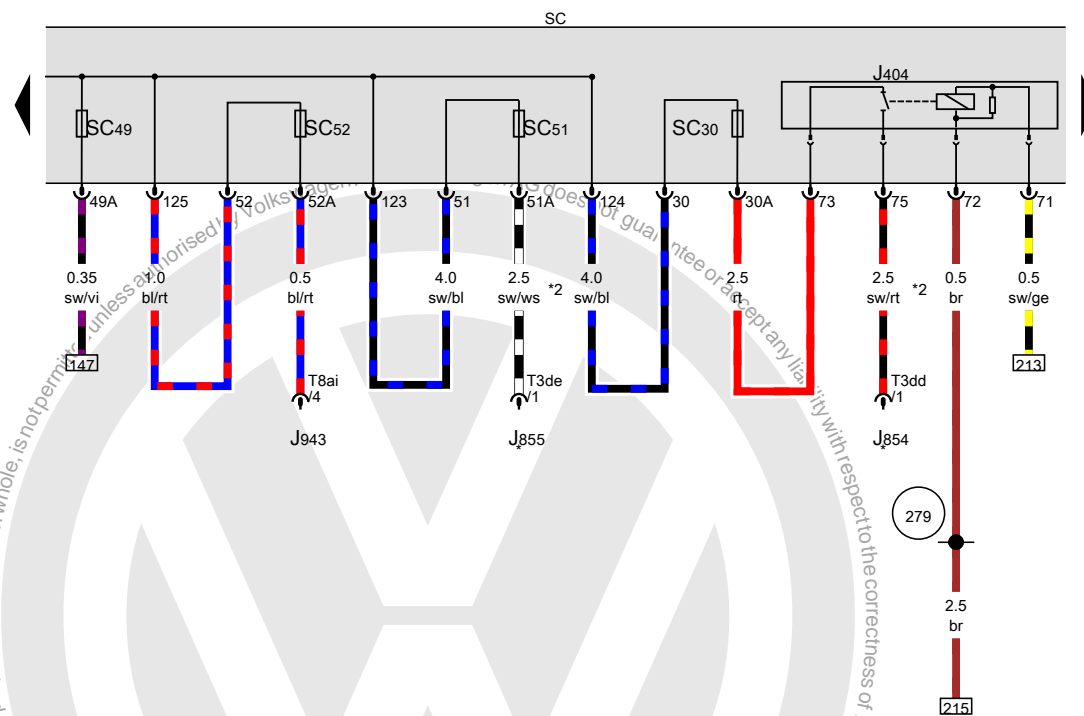


Terminal 15 relief relay, Fuse holder C

- J404 Terminal 15 relief relay
- J854 Control unit for front left belt tensioner
- J855 Control unit for front right belt tensioner
- J943 Engine sound generator control unit
- SC Fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T3dd 3-pin connector
- T3de 3-pin connector
- T8ai 8-pin connector

279 Earth connection 5, in interior wiring harness

- * see applicable current flow diagram for airbag
- *2 Wiring colour depends on equipment



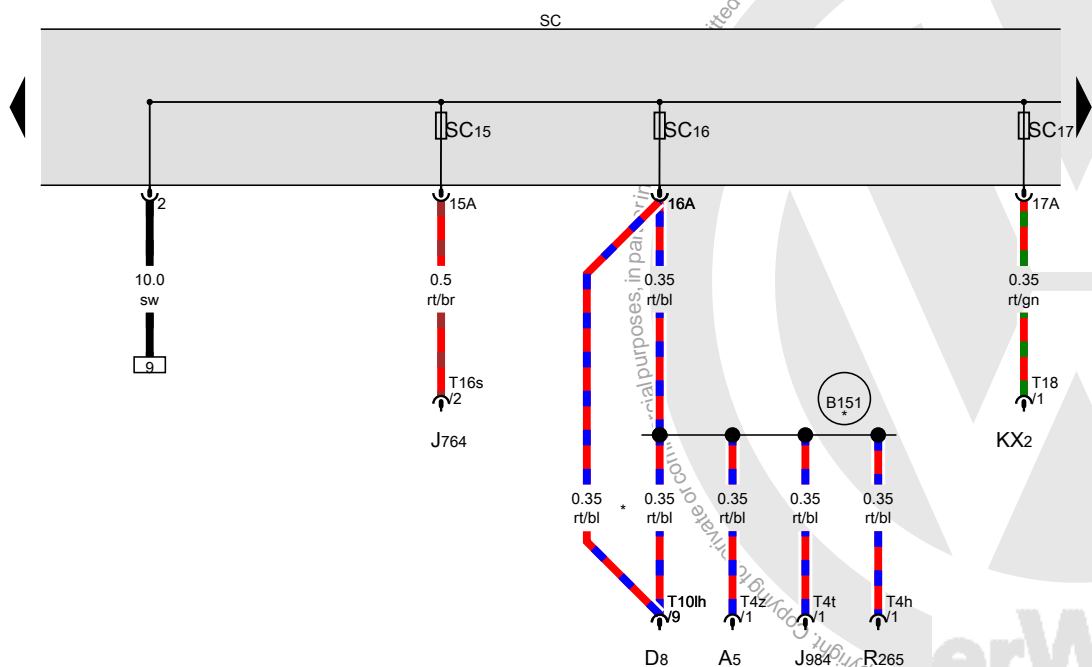
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse holder C

- A5 Voltage converter for USB charge module, under centre console
- D8 Chip card reader
- J764 Control unit for electronic steering column lock
- J984 Two-way signal amplifier for mobile telephone/data services
- KX2 Dash panel insert
- R265 Storage compartment with interface for mobile telephone
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T4h 4-pin connector
- T4t 4-pin connector
- T4z 4-pin connector
- T10lh 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector

B151 Positive connection 3 (30a), in interior wiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

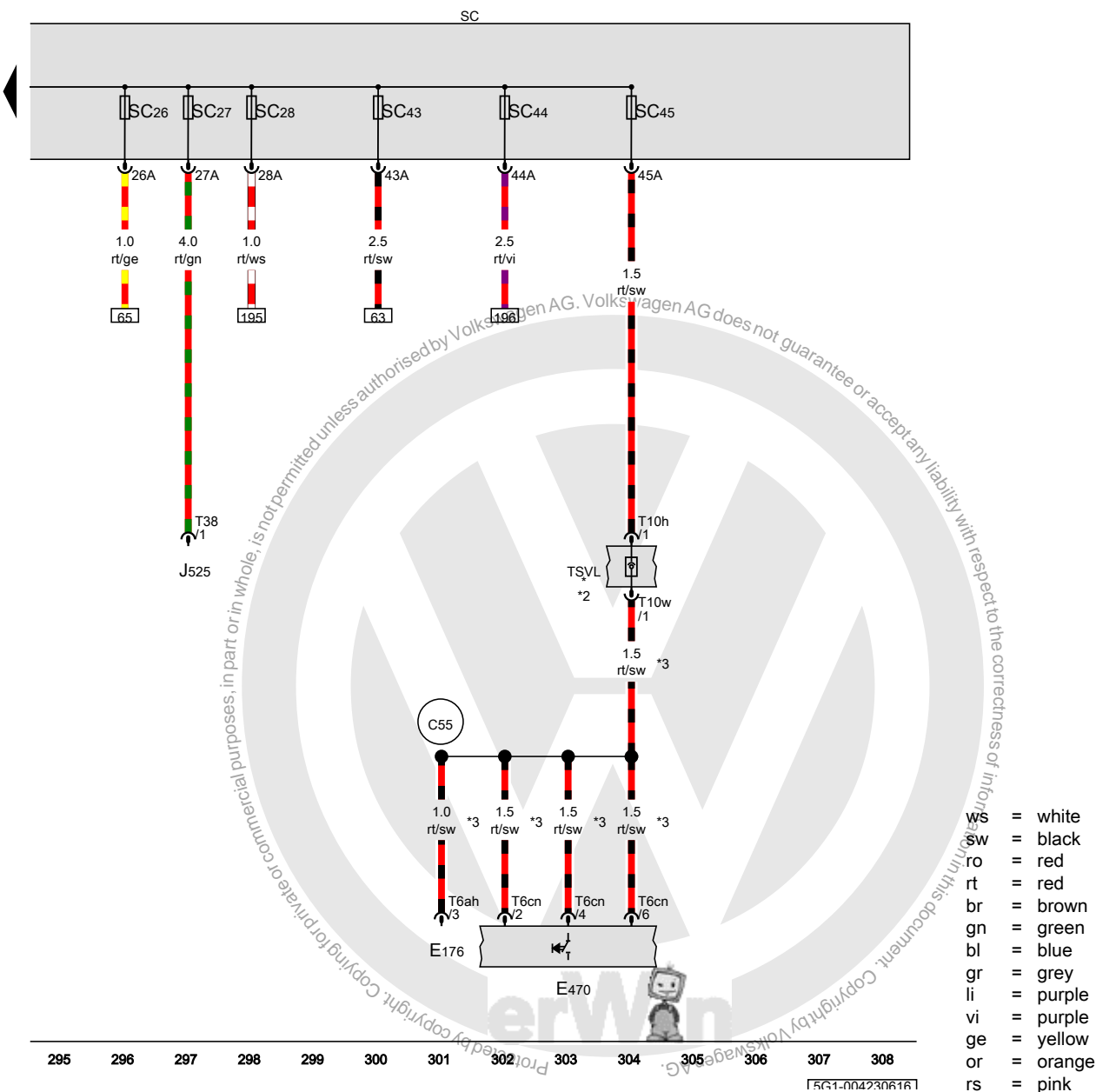


Fuse holder C

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- J525 Digital sound package control unit
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T6ah 6-pin connector
- T6cn 6-pin connector
- T10h 10-pin connector, black
- T10w 10-pin connector, black
- T38 38-pin connector
- TSVL Coupling point for front left seat

C55 Positive connection (30a), in front left wiring harness

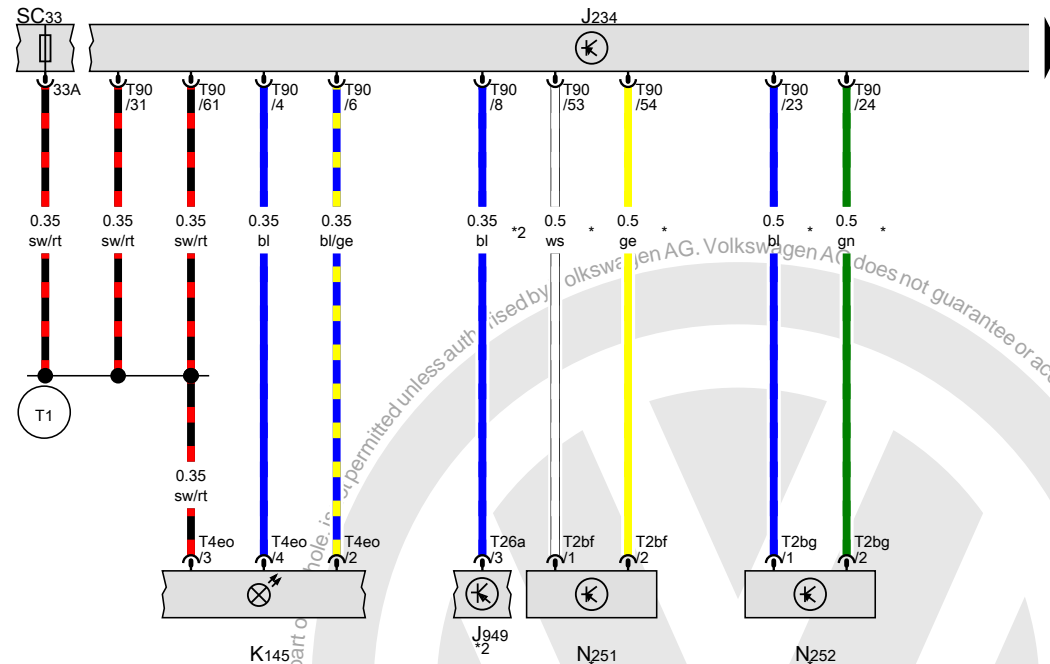
- * Left-hand drive models
- *2 According to equipment
- *3 Wiring colour depends on equipment



Airbag systems , (L0L)

From August 2012



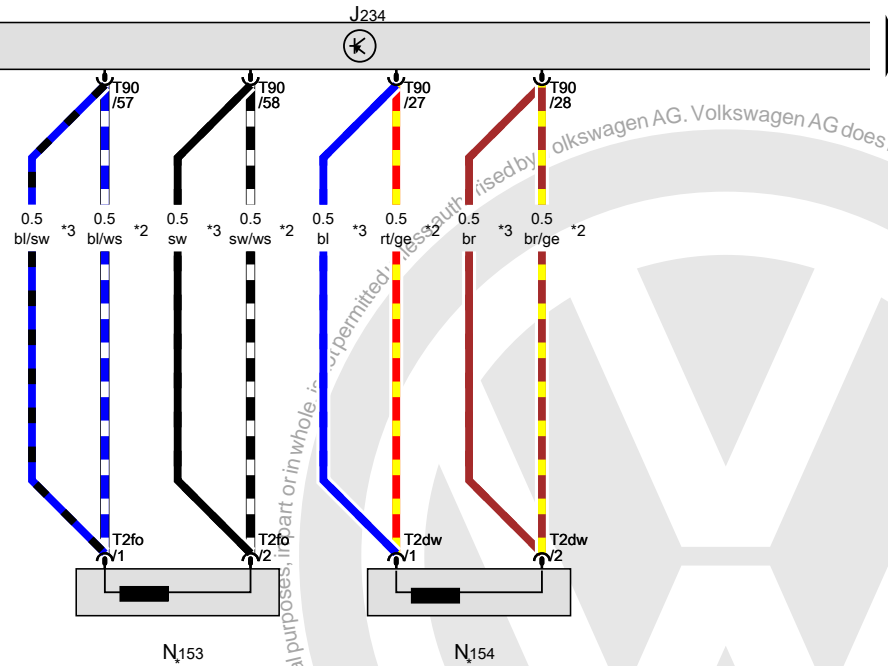


Airbag control unit, Emergency call module control unit and communication unit, Front passenger side airbag deactivated warning lamp, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter, Fuse 33 on fuse holder C

- J234 Airbag control unit
- J949 Emergency call module control unit and communication unit
- K145 Front passenger side airbag deactivated warning lamp
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- SC33 Fuse 33 on fuse holder C
- T2bf 2-pin connector
- T2bg 2-pin connector
- T4eo 4-pin connector
- T26a 26-pin connector, black
- T90 90-pin connector
- T1 Positive connection 1, in airbag wiring harness
- * According to equipment
- *2 Only models with emergency call module

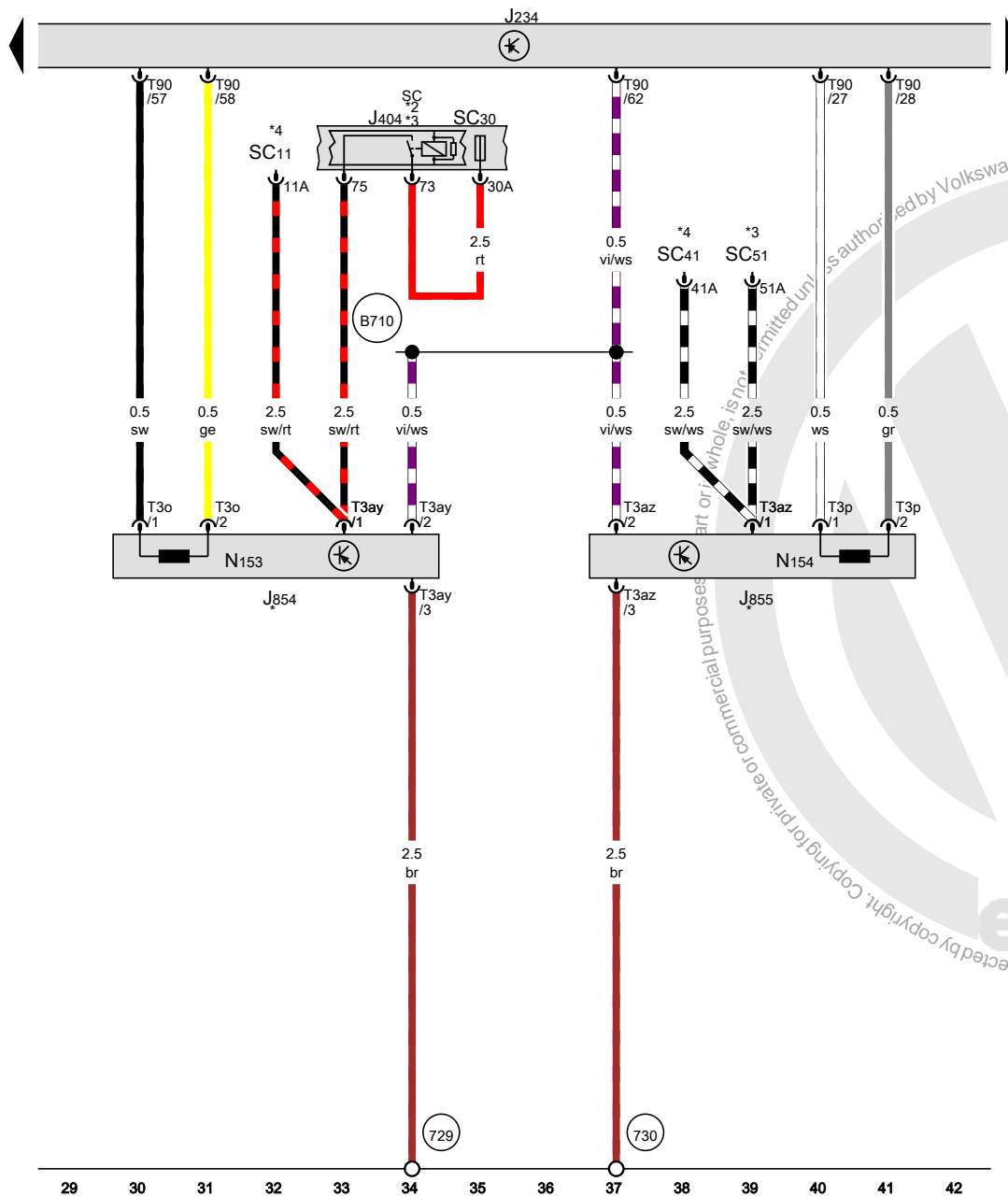
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1



- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- T2dw 2-pin connector
- T2fo 2-pin connector
- T90 90-pin connector
- * According to equipment
- *2 Only models with 4-doors
- *3 Only models with 2-doors

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



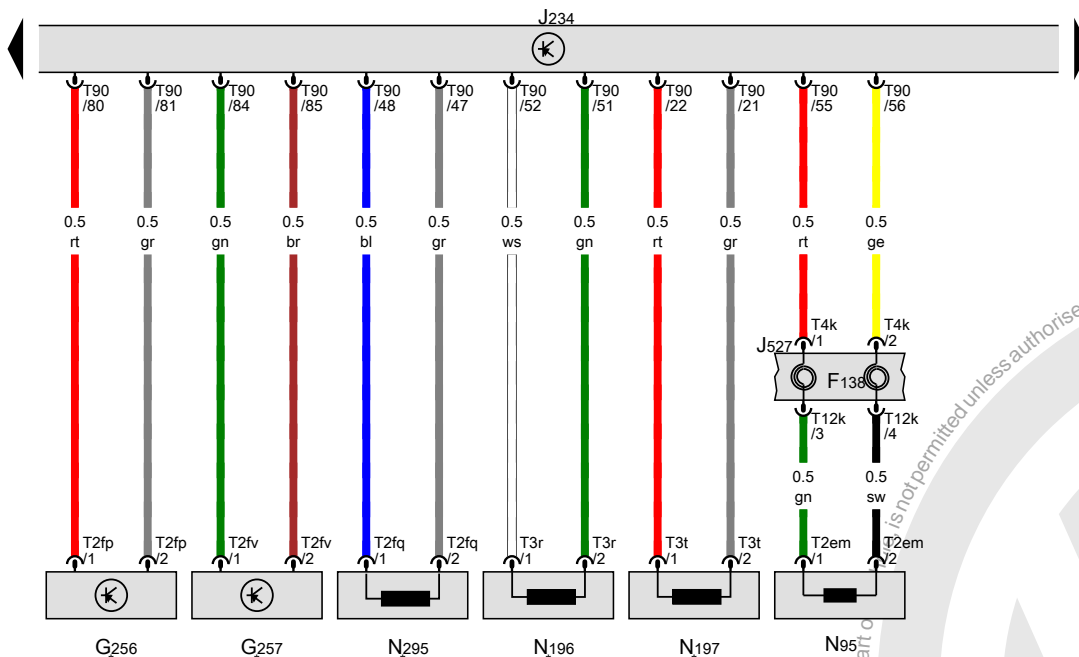
Airbag control unit, Terminal 15 relief relay, Control unit for front left belt tensioner, Control unit for front right belt tensioner, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Fuse holder C

- J234 Airbag control unit
- J404 Terminal 15 relief relay
- J854 Control unit for front left belt tensioner
- J855 Control unit for front right belt tensioner
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T3ay 3-pin connector
- T3az 3-pin connector
- T3o 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector

- 729 Earth point, on left rear wheel housing
- 730 Earth point 1, on right rear wheel housing
- B710 Connection 5 (LIN bus) in main wiring harness

- * According to equipment
- *2 see applicable current flow diagram for fuse assignment
- *3 Up to November 2013
- *4 From November 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

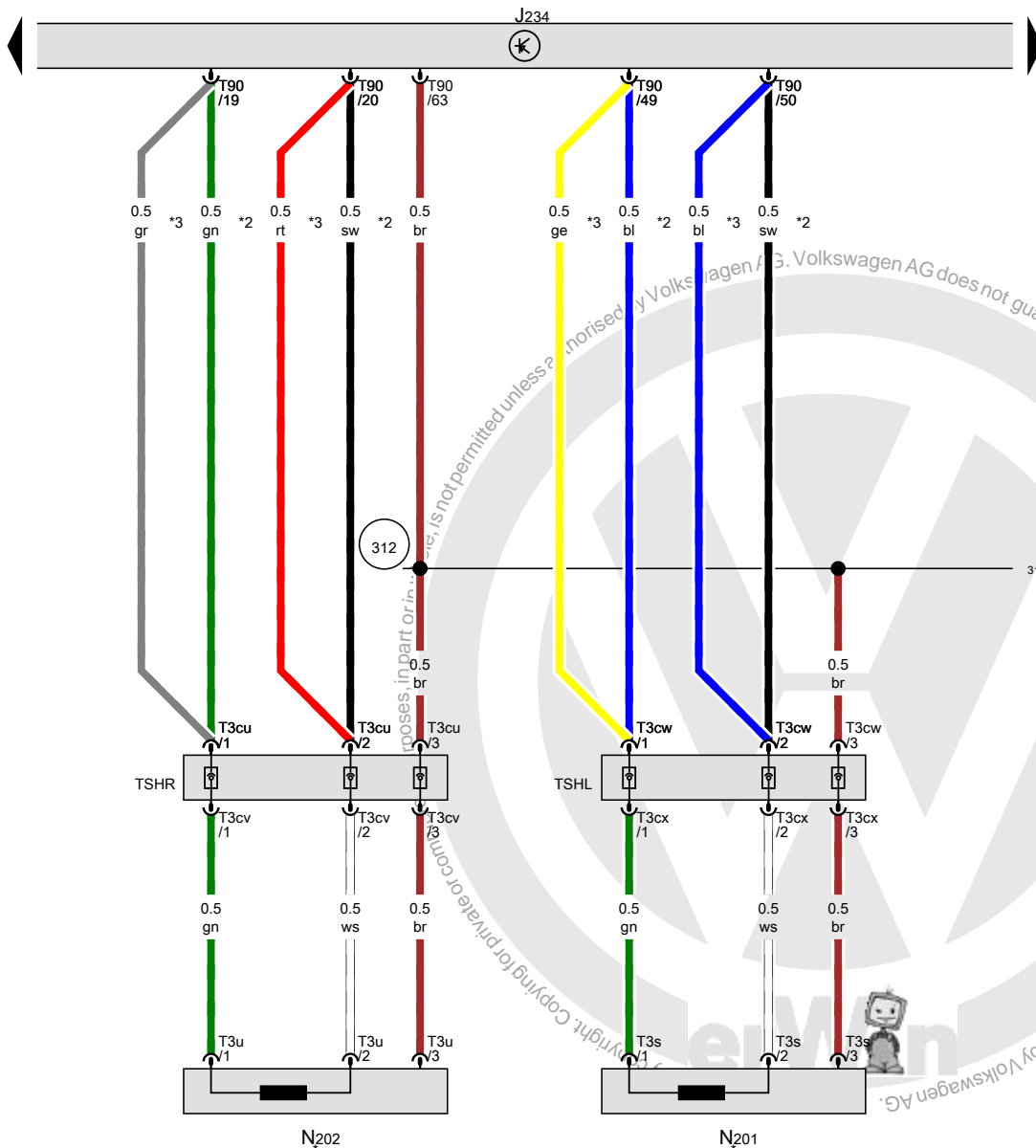


Airbag coil connector and return ring with slip ring, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Steering column electronics control unit, Driver side airbag igniter, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Driver side knee airbag igniter

- F138 Airbag coil connector and return ring with slip ring
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- N95 Driver side airbag igniter
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on passenger side
- N295 Driver side knee airbag igniter
- T2em 2-pin connector
- T2fp 2-pin connector
- T2f 2-pin connector
- T2fv 2-pin connector
- T2f 2-pin connector
- T3r 3-pin connector
- T3t 3-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T90 90-pin connector
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag control unit, Rear side airbag igniter on driver side,
Rear side airbag igniter on passenger side



- J234 Airbag control unit
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on passenger side
- T3cu 3-pin connector, black
- T3cv 3-pin connector, black
- T3cw 3-pin connector, black
- T3cx 3-pin connector, black
- T3s 3-pin connector
- T3u 3-pin connector
- T90 90-pin connector
- TSHL Coupling point for rear left seat
- TSHR Coupling point for rear right seat

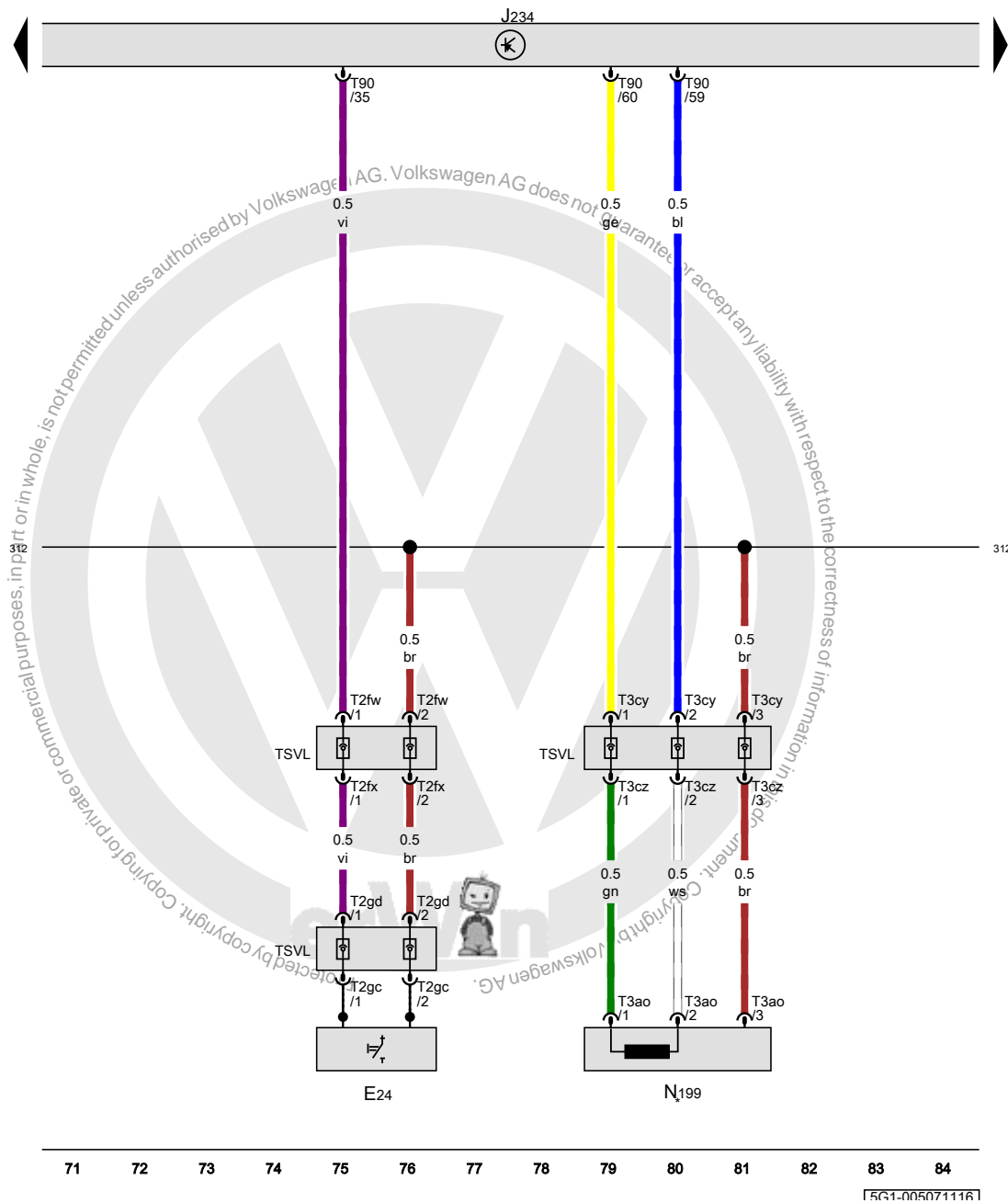
312 Earth connection 2, in airbag wiring harness

- * According to equipment
- *2 Up to November 2013
- *3 From November 2013

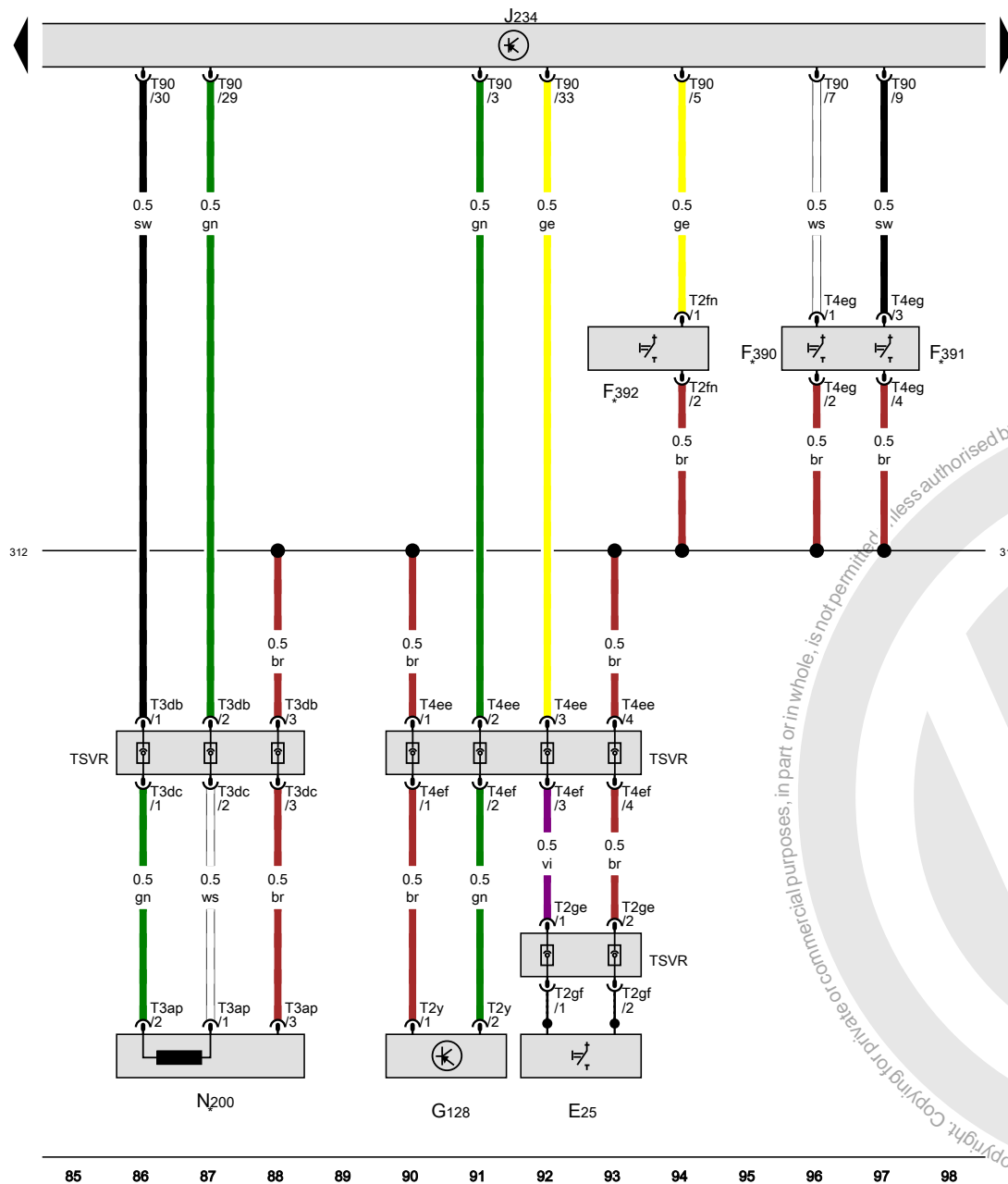
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver side belt switch, Airbag control unit, Side airbag igniter on driver side

- E24 Driver side belt switch
- J234 Airbag control unit
- N199 Side airbag igniter on driver side
- T2fw 2-pin connector, black
- T2fx 2-pin connector, black
- T2gc 2-pin connector, black
- T2gd 2-pin connector, black
- T3ao 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T90 90-pin connector
- TSVL Coupling point for front left seat
- 312 Earth connection 2, in airbag wiring harness
- * According to equipment



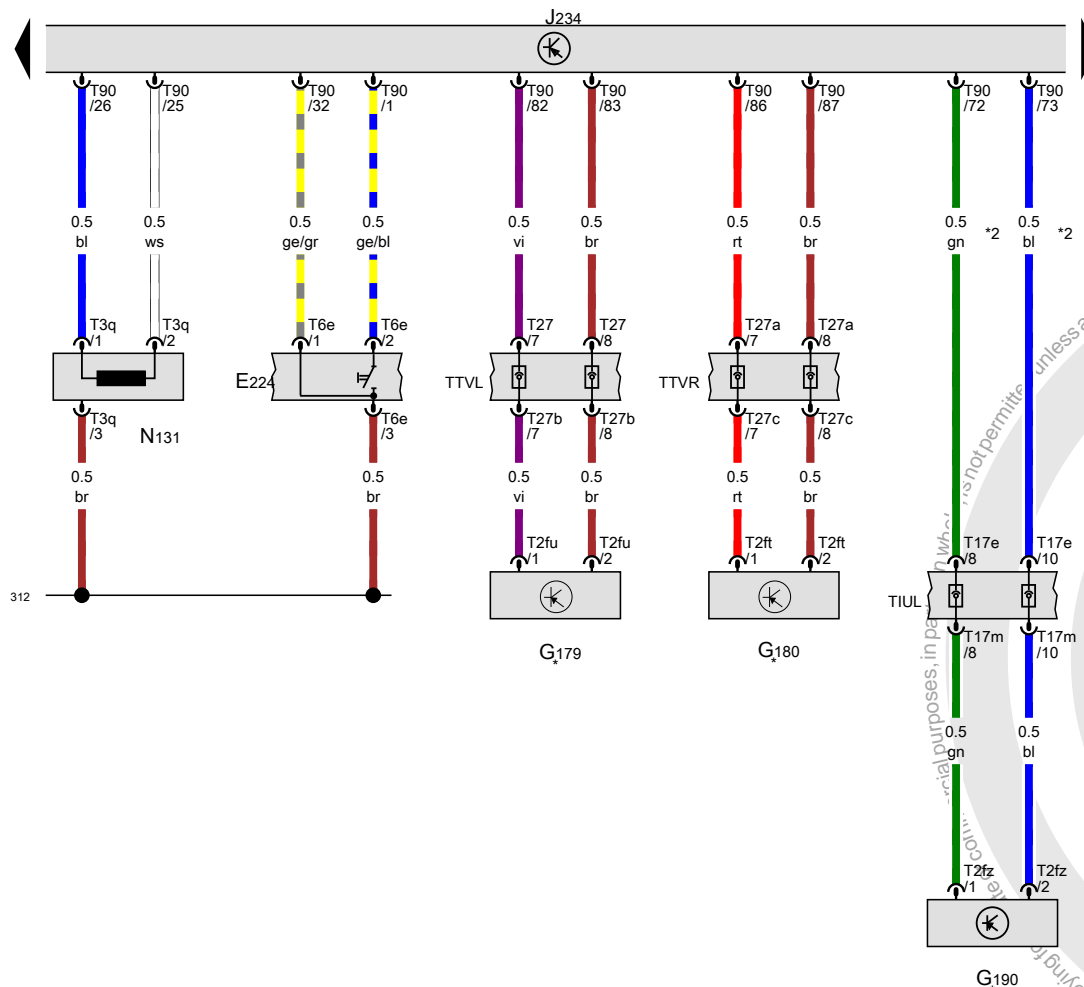
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Front passenger side belt switch, Belt switch for seat row 2, driver side, Belt switch for seat row 2, middle, Belt switch for seat row 2, passenger side, Seat occupied sensor, front passenger side, Airbag control unit, Side airbag igniter on front passenger side

- E25 Front passenger side belt switch
- F390 Belt switch for seat row 2, driver side
- F391 Belt switch for seat row 2, middle
- F392 Belt switch for seat row 2, passenger side
- G128 Seat occupied sensor, front passenger side
- J234 Airbag control unit
- N200 Side airbag igniter on front passenger side
- T2fn 2-pin connector
- T2ge 2-pin connector, black
- T2gf 2-pin connector, black
- T2y 2-pin connector, black
- T3ap 3-pin connector
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T4ee 4-pin connector, black
- T4ef 4-pin connector, black
- T4eg 4-pin connector
- T90 90-pin connector
- TSVR Coupling point for front right seat
- 312 Earth connection 2, in airbag wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Key operated switch to deactivate front passenger side airbag, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Crash sensor for front airbag, Airbag control unit, Front passenger side airbag igniter 1

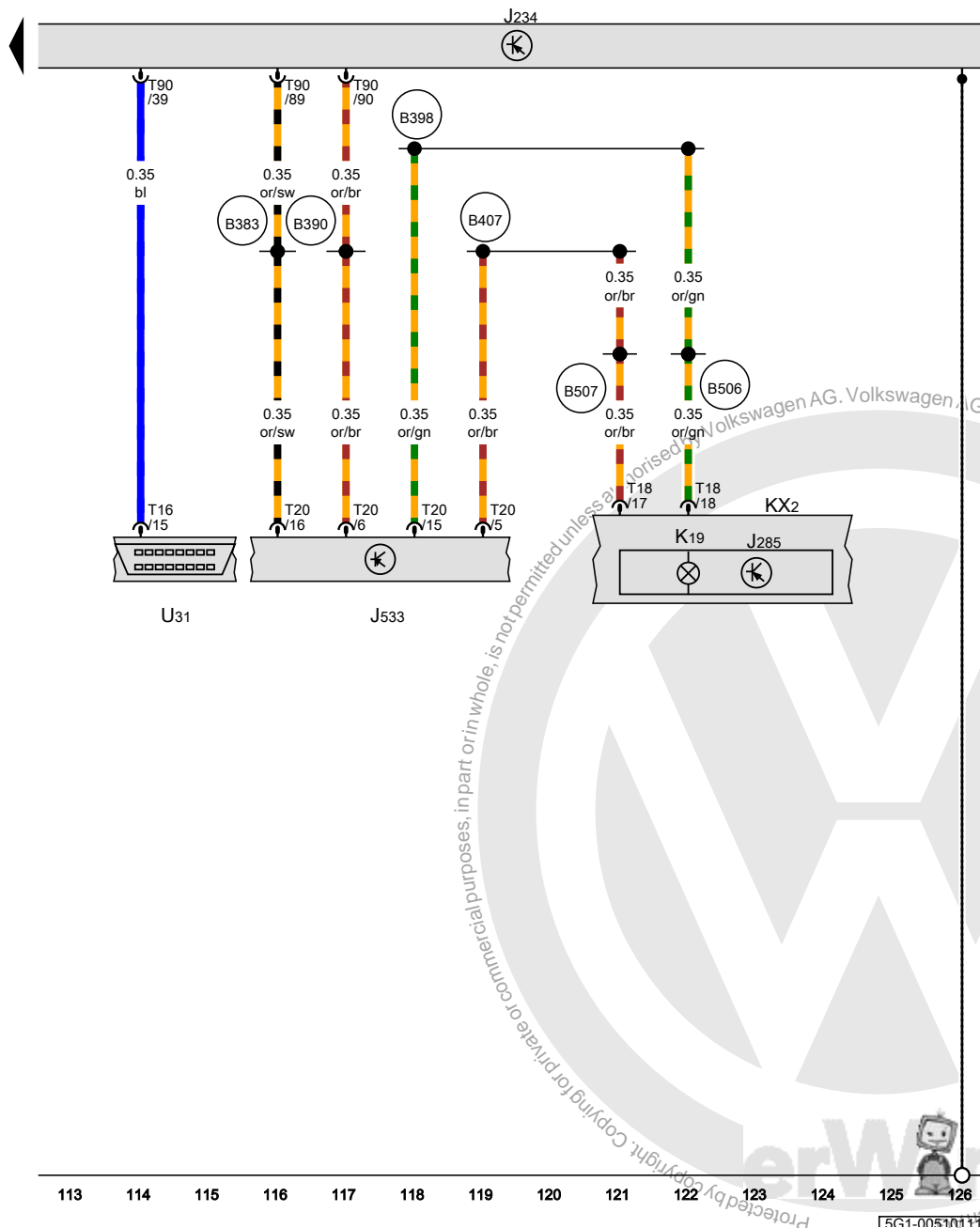
- E224 Key operated switch to deactivate front passenger side airbag
- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G190 Crash sensor for front airbag
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2fz 2-pin connector
- T3q 3-pin connector
- T6e 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

312 Earth connection 2, in airbag wiring harness

- * According to equipment
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag control unit, Data bus diagnostic interface, Dash panel insert, Diagnostic connection



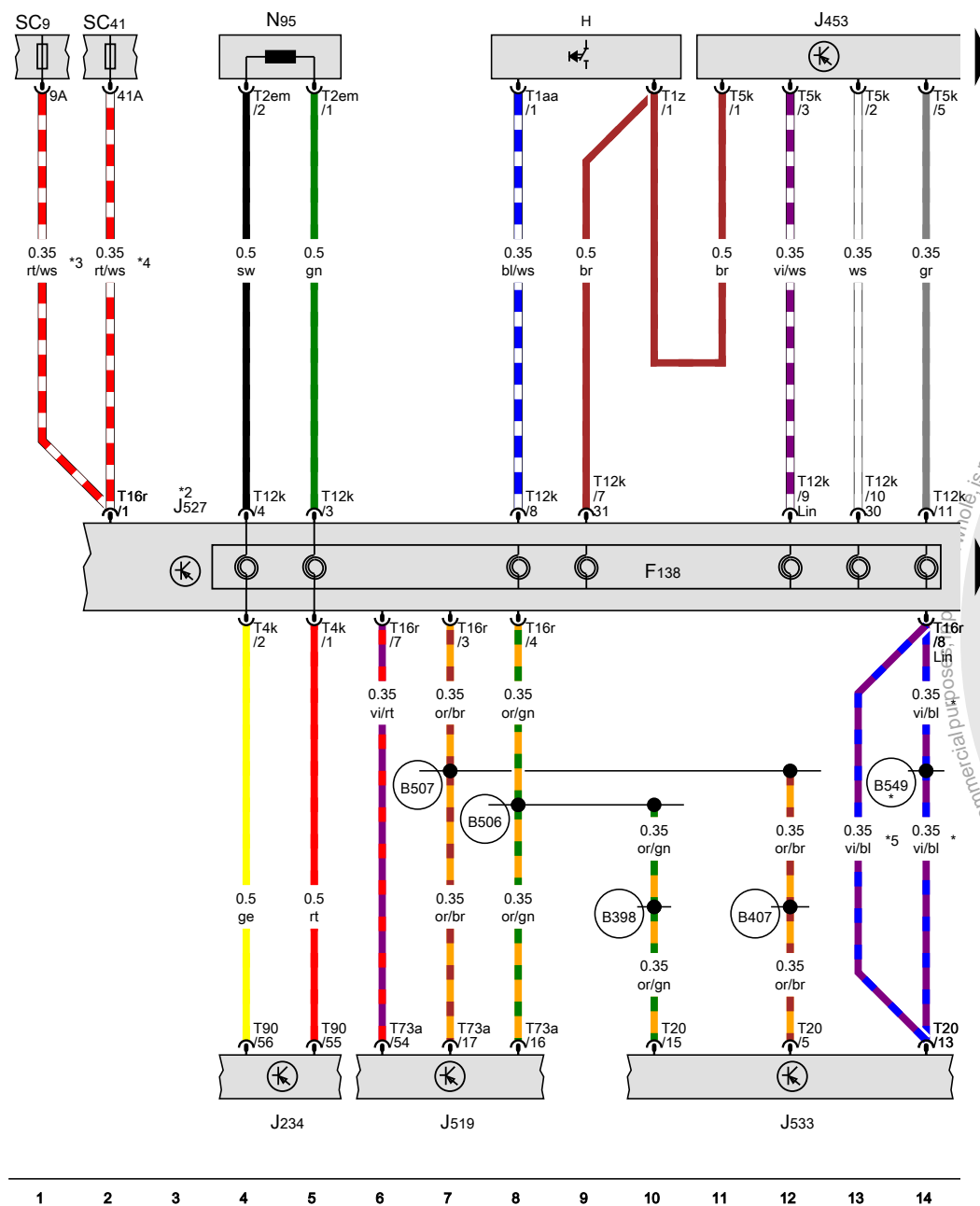
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T16 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T90 90-pin connector
- U31 Diagnostic connection
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Earth supply via housing from airbag control unit

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Multifunction steering wheel , (2FJ),(2FQ),(2FS),(2FW),(2PK),(2PU),(1XX),(2ZD),(2ZH)

From August 2012





Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit, Multifunction steering wheel control unit, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Driver side airbag igniter

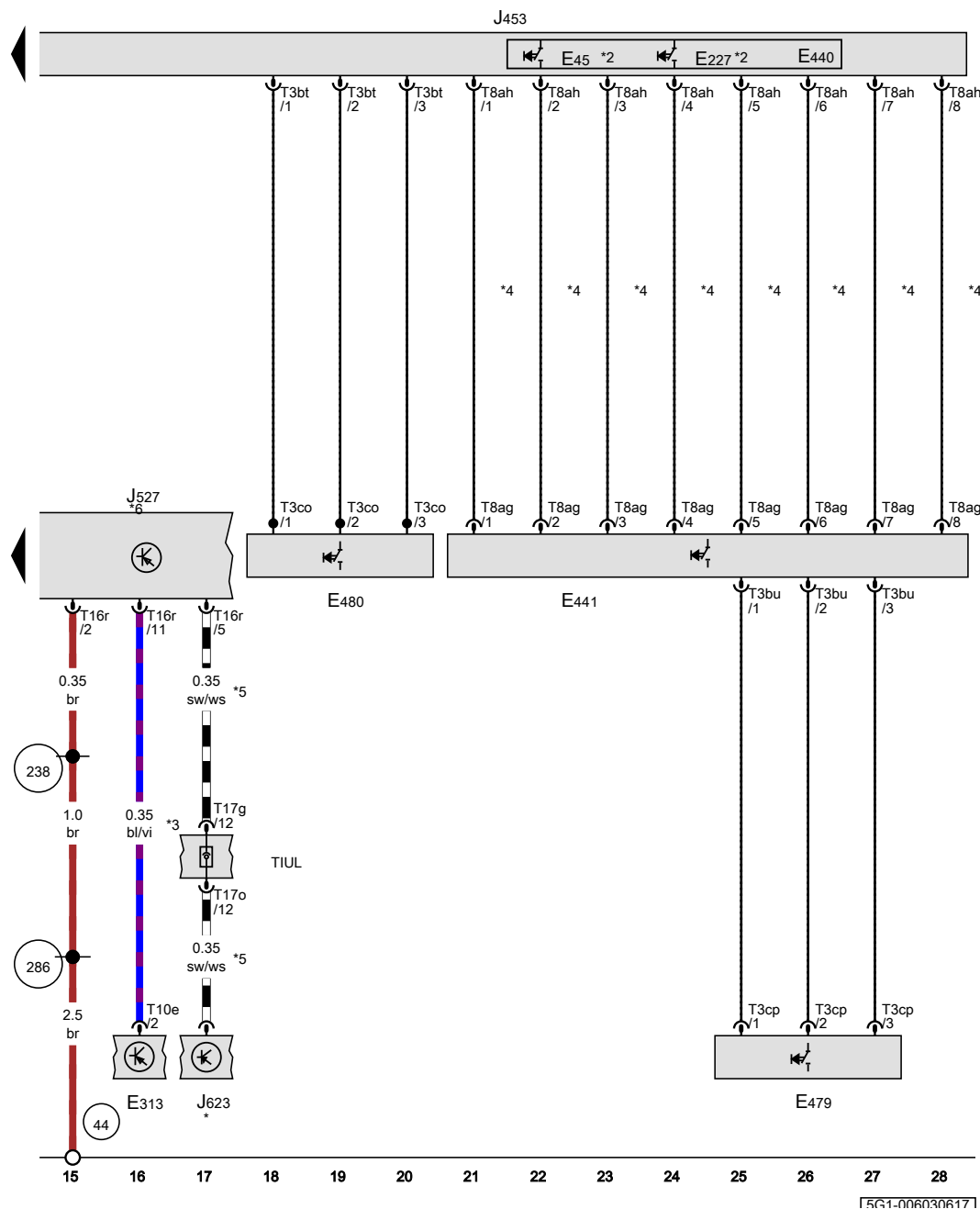
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T1aa 1-pin connector
- T1z 1-pin connector
- T2em 2-pin connector
- T4k 4-pin connector
- T5k 5-pin connector
- T12k 12-pin connector
- T16r 16-pin connector
- T20 20-pin connector
- T73a 73-pin connector, black
- T90 90-pin connector

- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Up to November 2015
- *2 see applicable current flow diagram
- *3 From November 2013
- *4 Up to November 2013
- *5 From November 2015

15G1-006020R171



Selector lever, Multifunction buttons on left in steering wheel, Multifunction buttons on right in steering wheel, Tiptronic switch (shift up), Tiptronic switch (shift down), Multifunction steering wheel control unit, Steering column electronics control unit, Engine/motor control unit

- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- E313 Selector lever
- E440 Multifunction buttons on left in steering wheel
- E441 Multifunction buttons on right in steering wheel
- E479 Tiptronic switch (shift up)
- E480 Tiptronic switch (shift down)
- J453 Multifunction steering wheel control unit
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T3bt 3-pin connector
- T3bu 3-pin connector
- T3co 3-pin connector
- T3cp 3-pin connector
- T8ag 8-pin connector
- T8ah 8-pin connector
- T10e 10-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- TIUL Coupling point in interior, below left

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- * see applicable current flow diagram for engine
- *2 For models with cruise control system
- *3 Wiring colour depends on equipment
- *4 Adapter wire
- *5 For models with cruise control system (CCS)
- *6 see applicable current flow diagram

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Entry and start authorisation , (4F6),(4I3),(4F2)

From August 2012



Driver exterior door handle, Front passenger exterior door handle, Interface for entry and start system, Driver side aerial for entry and start system, Passenger side aerial for entry and start system

- EX6 Driver exterior door handle, on driver exterior door handle
- EX7 Front passenger exterior door handle, on front passenger exterior door handle
- G415 Driver door exterior handle contact sensor
- G416 Front passenger door exterior handle contact sensor
- J965 Interface for entry and start system
- R134 Driver side aerial for entry and start system
- R135 Passenger side aerial for entry and start system
- SC19 Fuse 19 on fuse holder C
- T4cj 4-pin connector, black
- T4ck 4-pin connector, black
- T4dw 4-pin connector
- T4dx 4-pin connector
- T4dy 4-pin connector
- T4dz 4-pin connector
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T32b 32-pin connector
- TTIVL Coupling point in front left door
- TTIVR Coupling point in front right door
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

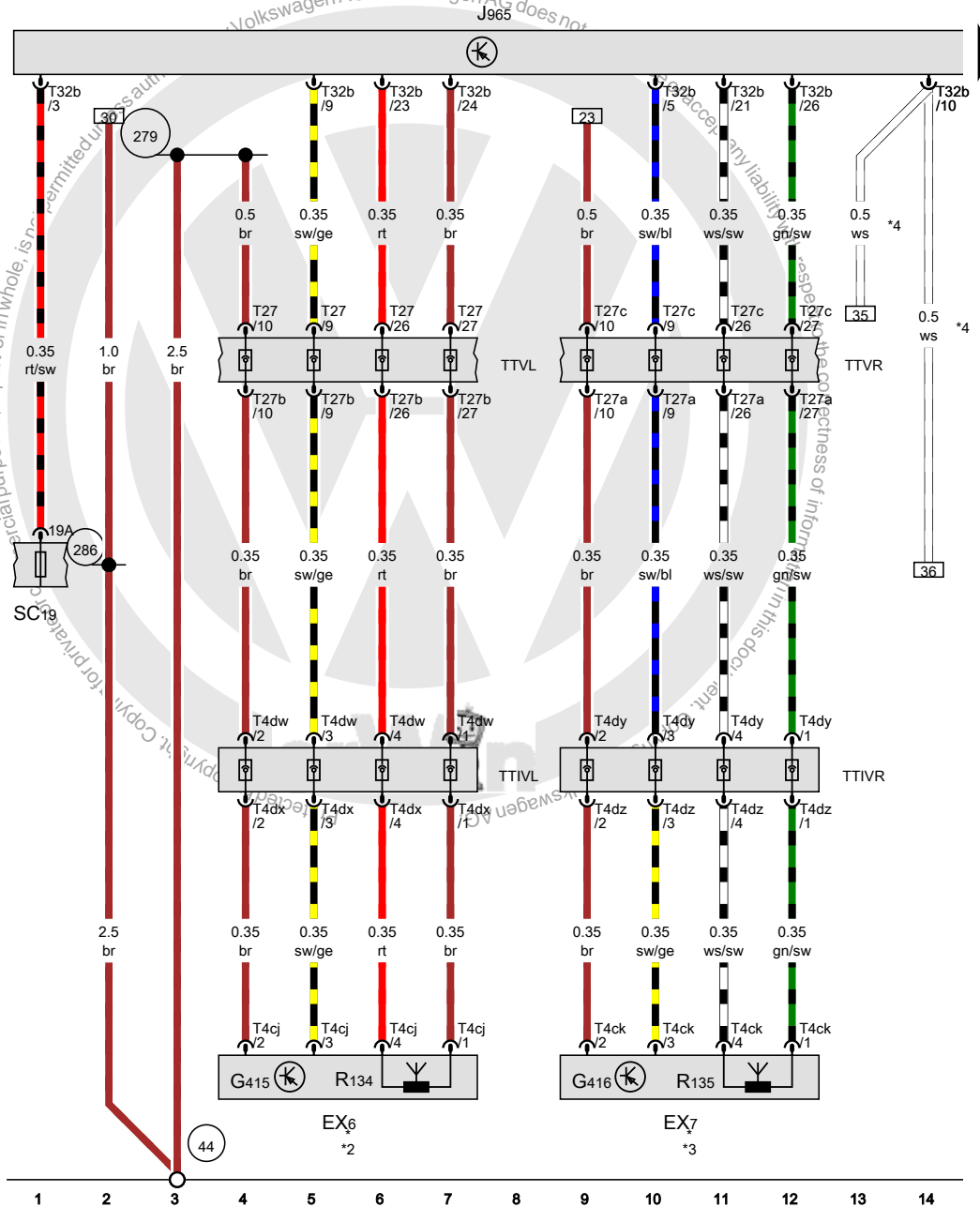
44 Earth point, lower part of left A-pillar

279 Earth connection 5, in interior wiring harness

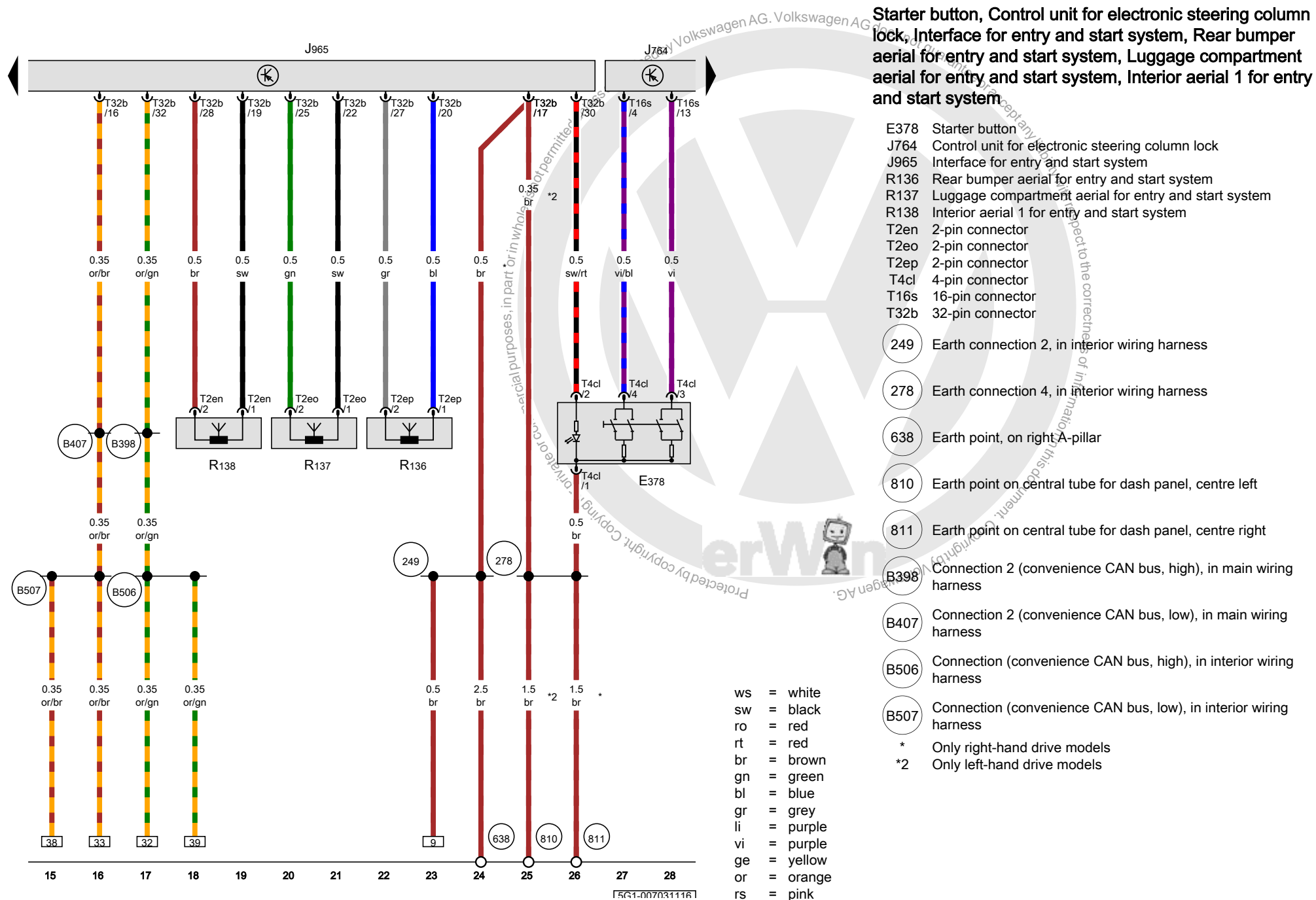
286 Earth connection 8, in interior wiring harness

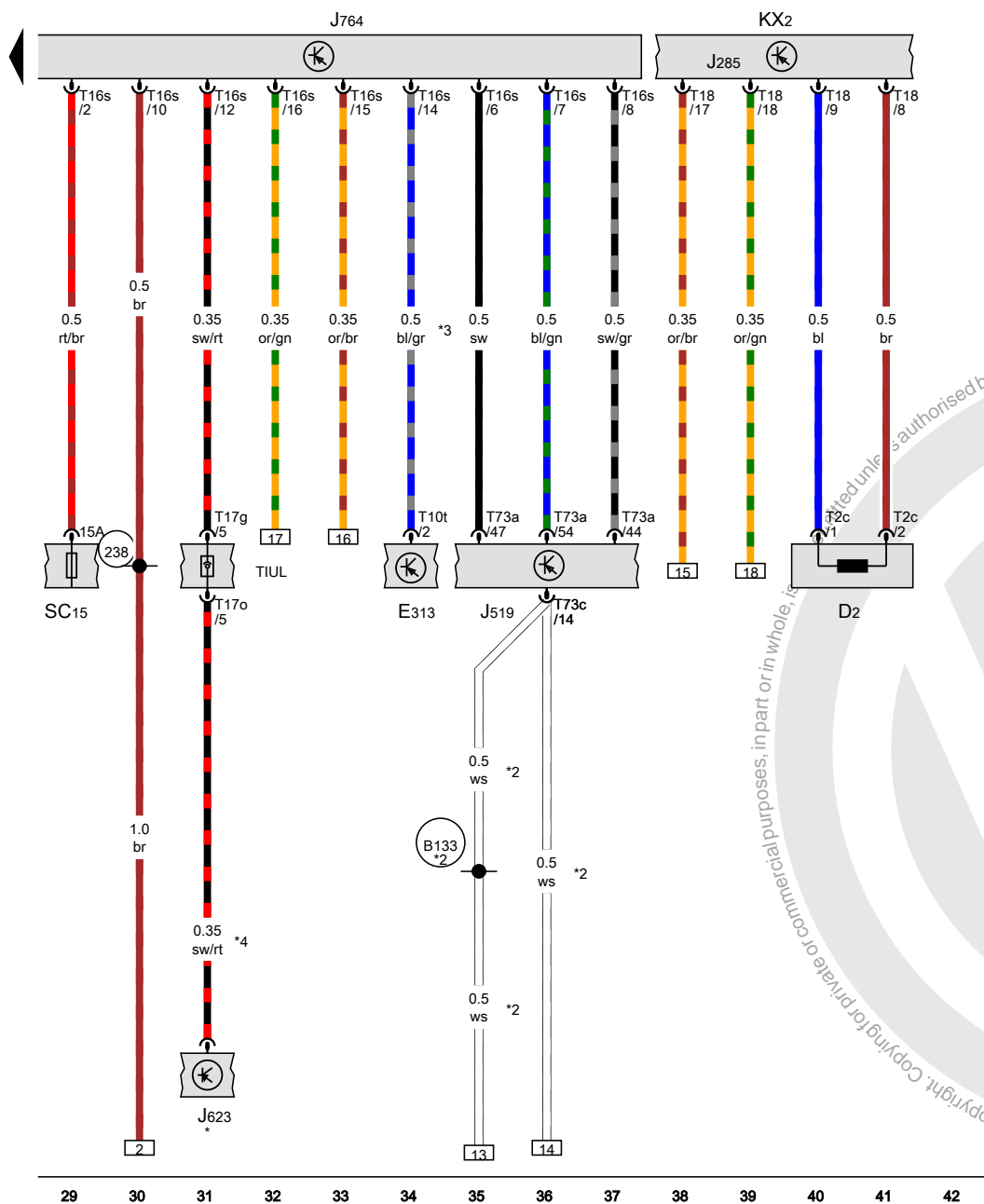
- * Pre-wired component
- *2 Component included in passenger side specification on right-hand drive models
- *3 Component included in driver side specification on right-hand drive models
- *4 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



15G1-0070211161





Immobiliser reader coil, Control unit in dash panel insert, Onboard supply control unit, Control unit for electronic steering column lock, Dash panel insert

- D2 Immobiliser reader coil
- E313 Selector lever
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- KX2 Dash panel insert
- SC15 Fuse 15 on fuse holder C
- T2c 2-pin connector
- T10t 10-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T18 18-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 238 Earth connection 1, in interior wiring harness
- B133 Connection (central locking open), in interior wiring harness
- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 Up to November 2013
- *4 Wiring colour depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

15G1-007041116

1.4l petrol engine , CHPA,CMBA,CXSA,CZCA,CZDA

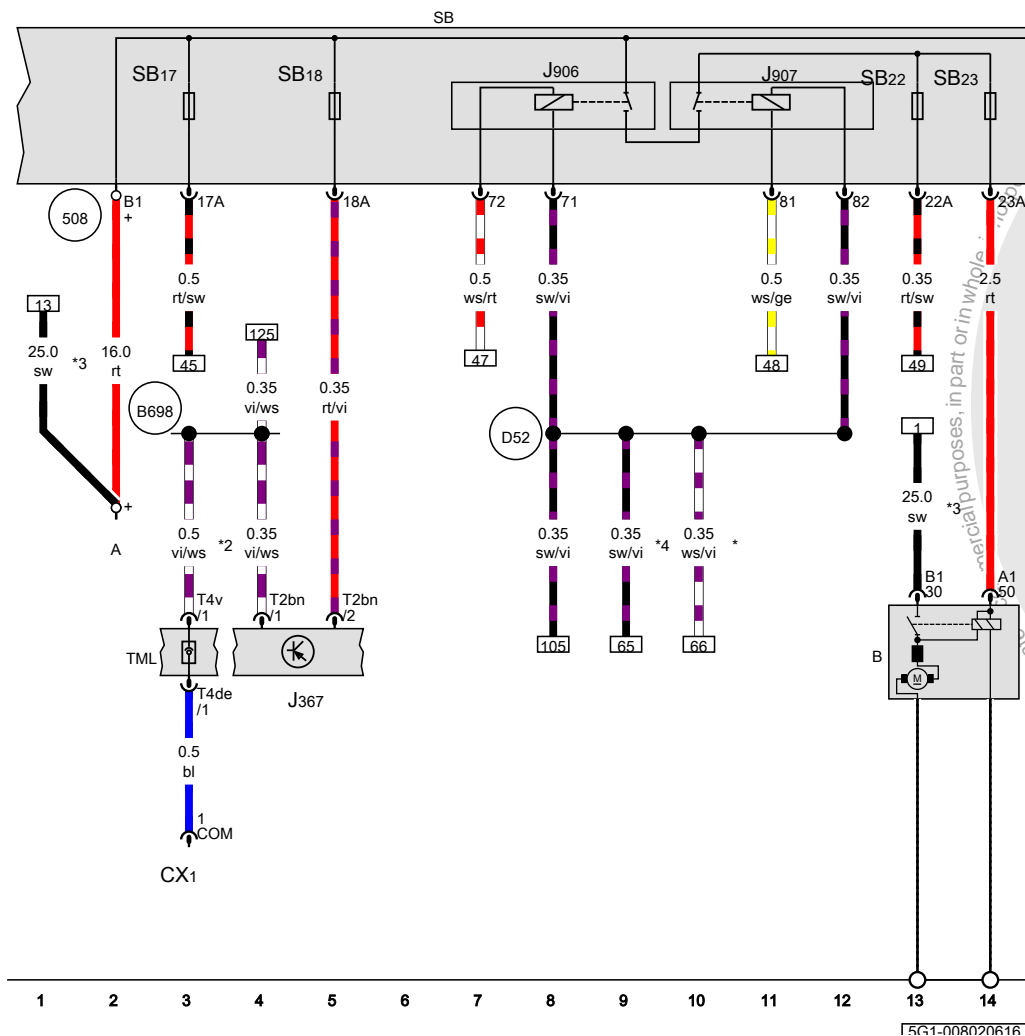
From August 2012



Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4de 4-pin connector, black
- T4v 4-pin connector, black
- TML Coupling point in engine compartment, left

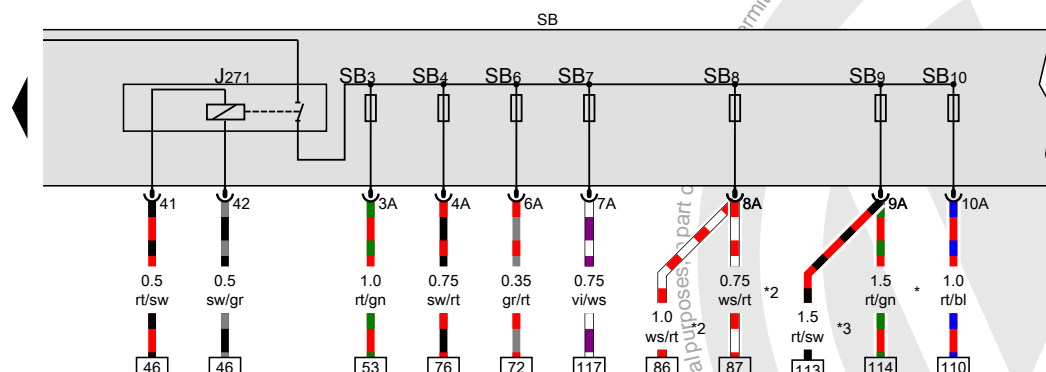
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross section depends on equipment
- *3 Cross-section 35.0 possible
- *4 From May 2014



15G1-008020R161

Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Up to October 2014
- *2 According to equipment
- *3 From November 2014



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

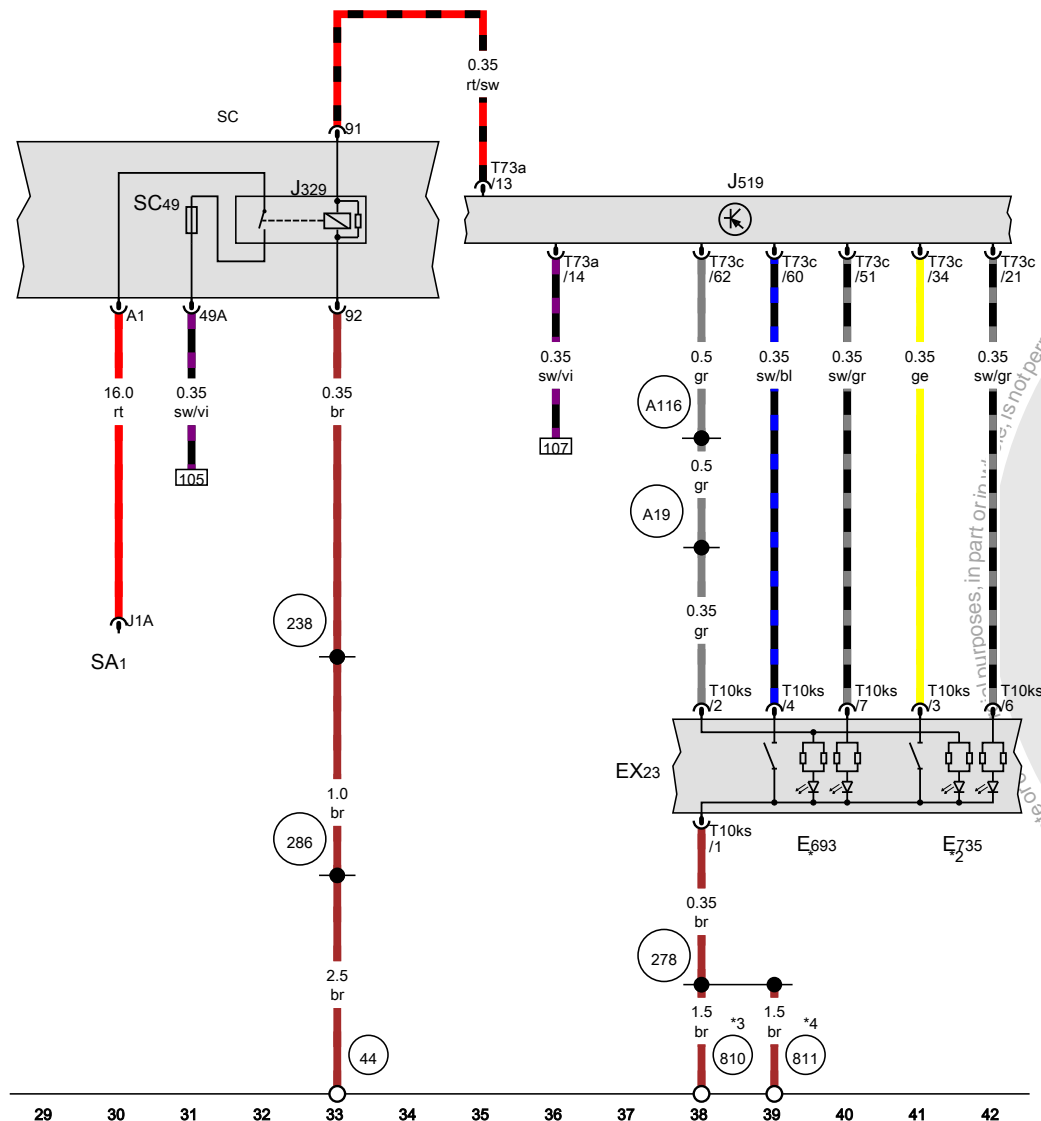
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



15G1-0080406161

Engine control unit

J623 Engine control unit

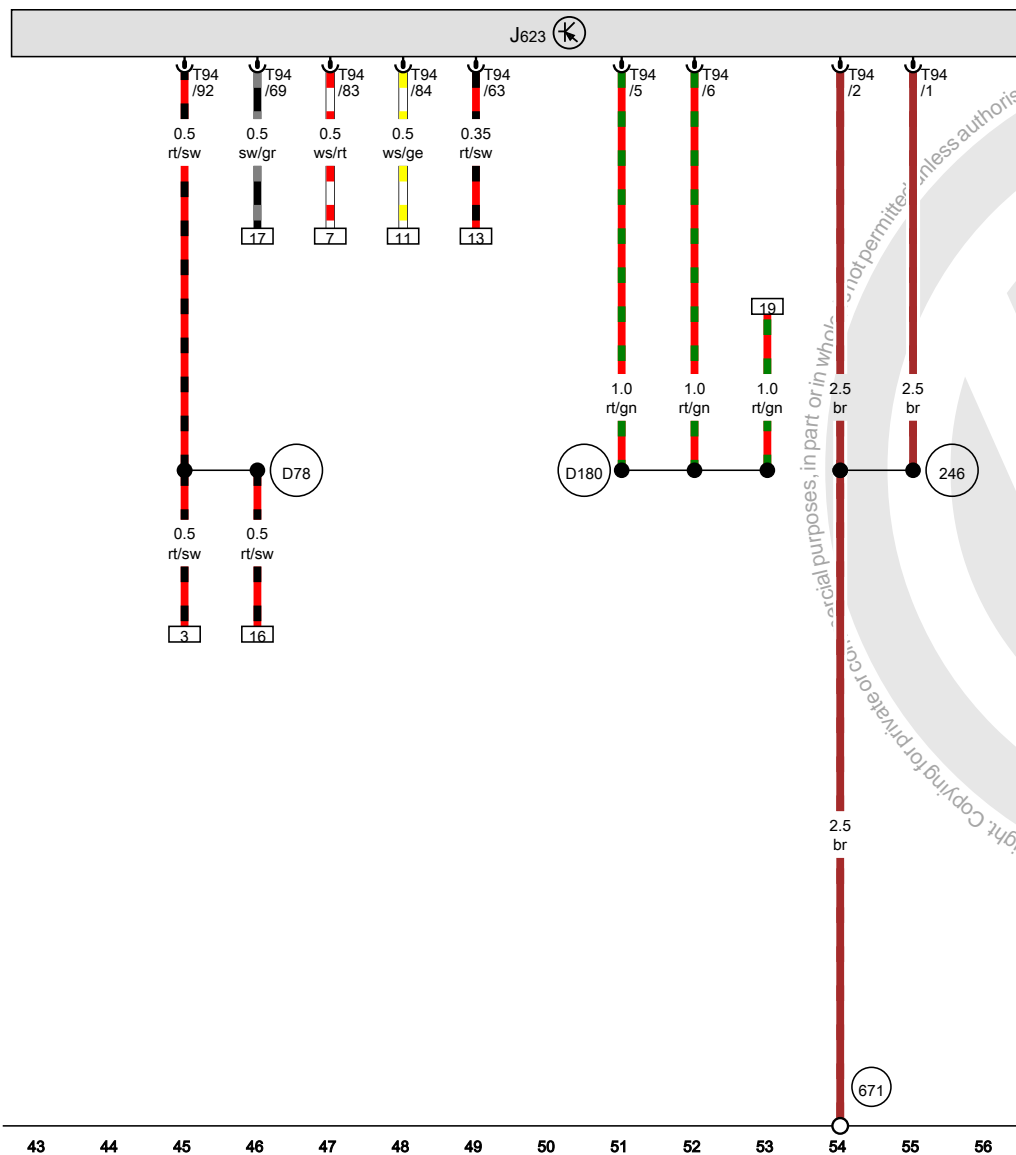
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



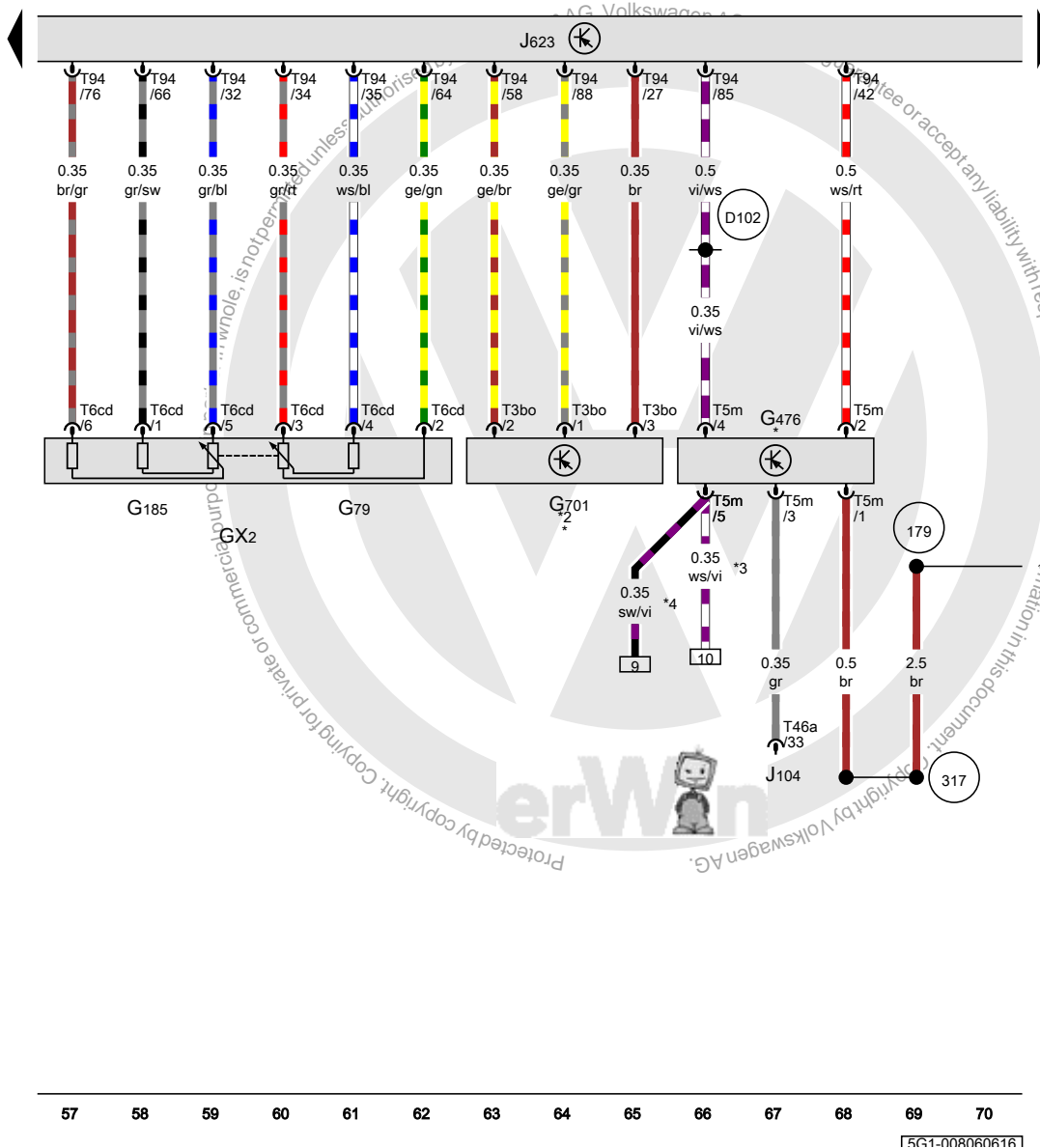
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

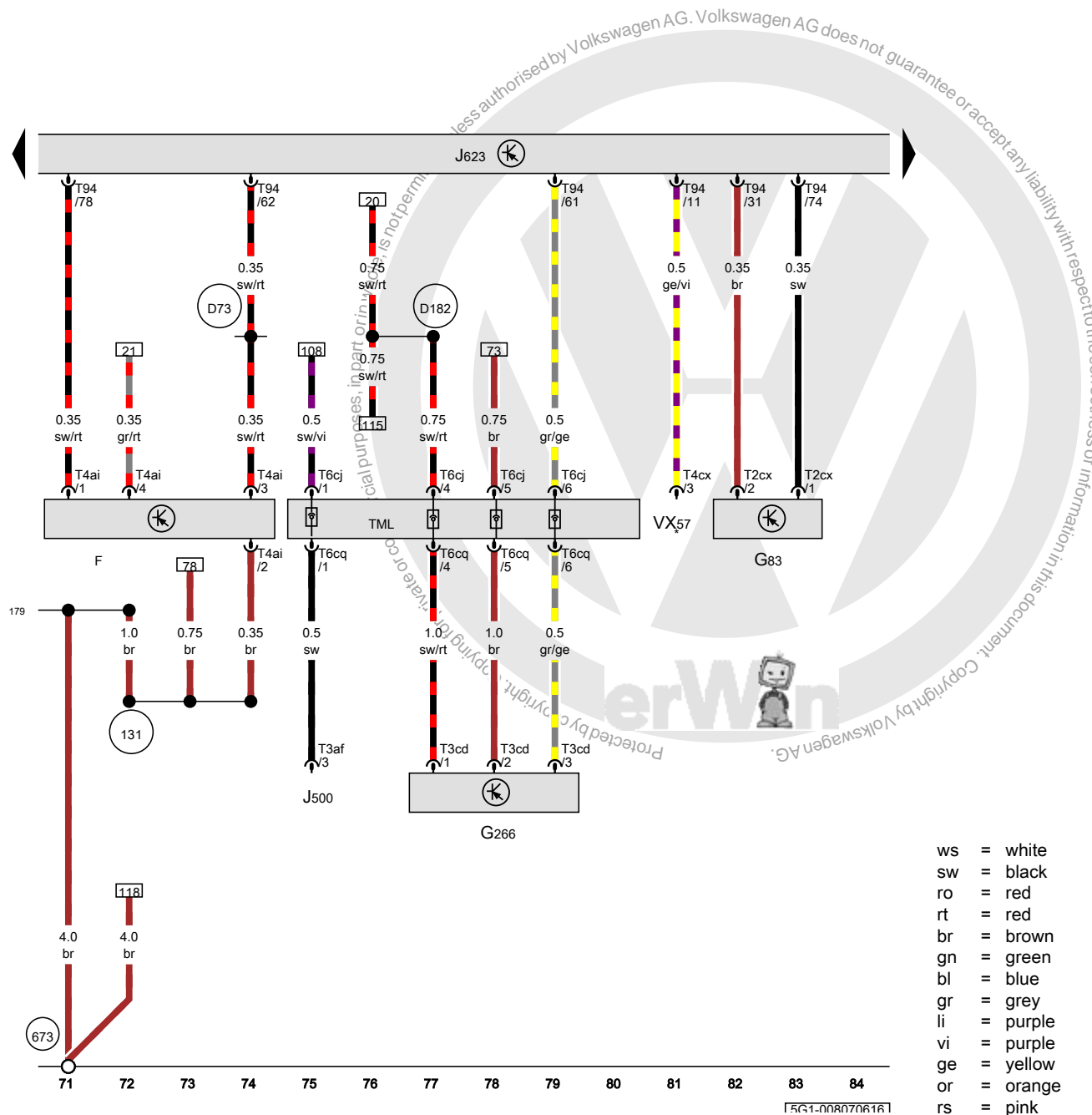
Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Up to May 2014
- *4 From May 2014

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rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink





Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

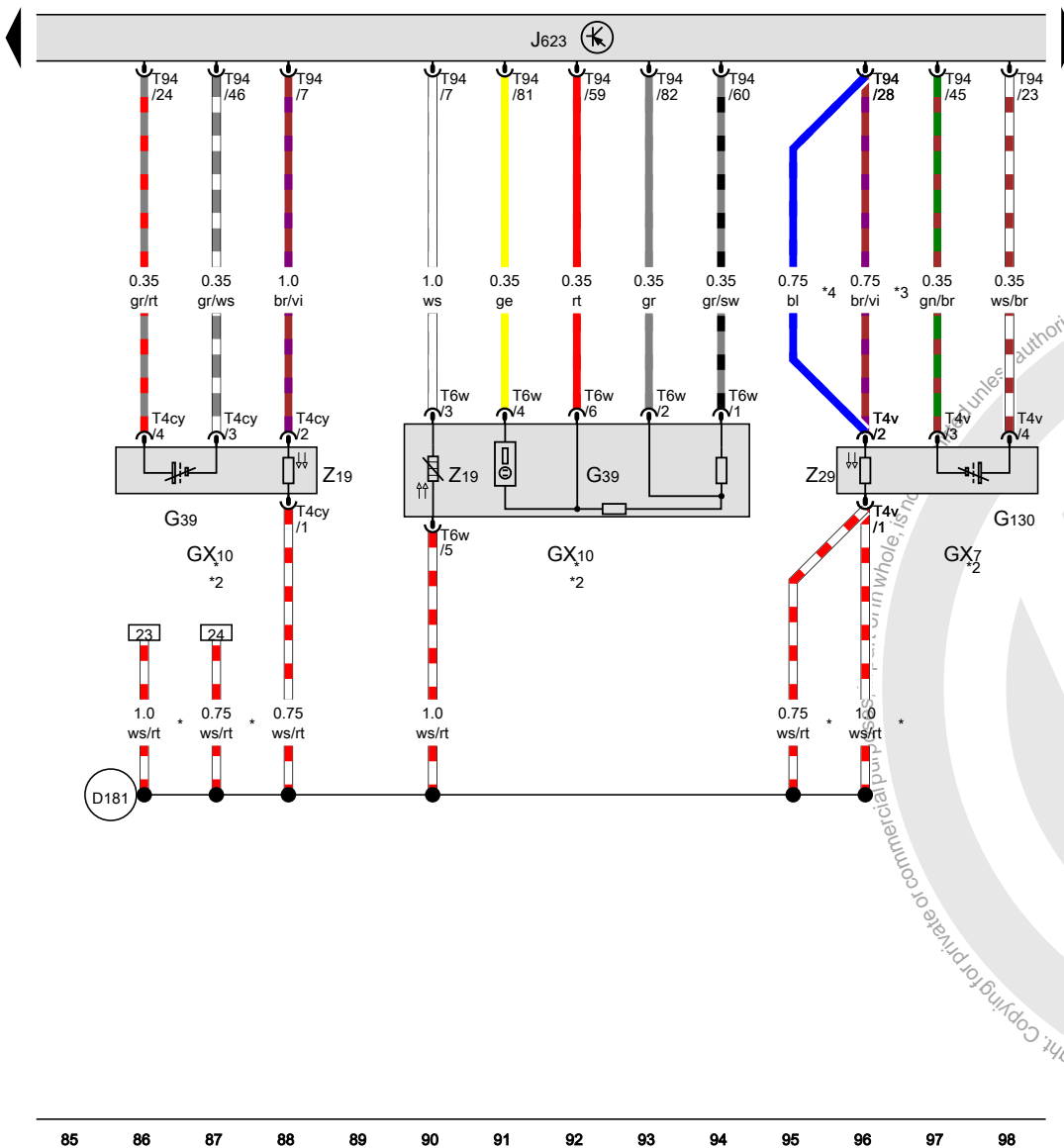
Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4cy 4-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

According to equipment

- *2 Pre-wired component
- *3 Up to October 2014
- *4 From November 2014



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
J623 Engine control unit
J743 Mechatronic unit for dual clutch gearbox
T16r 16-pin connector
T17g 17-pin connector, blue
T17o 17-pin connector, blue
T25 25-pin connector
T94 94-pin connector
TIUL Coupling point in interior, below left

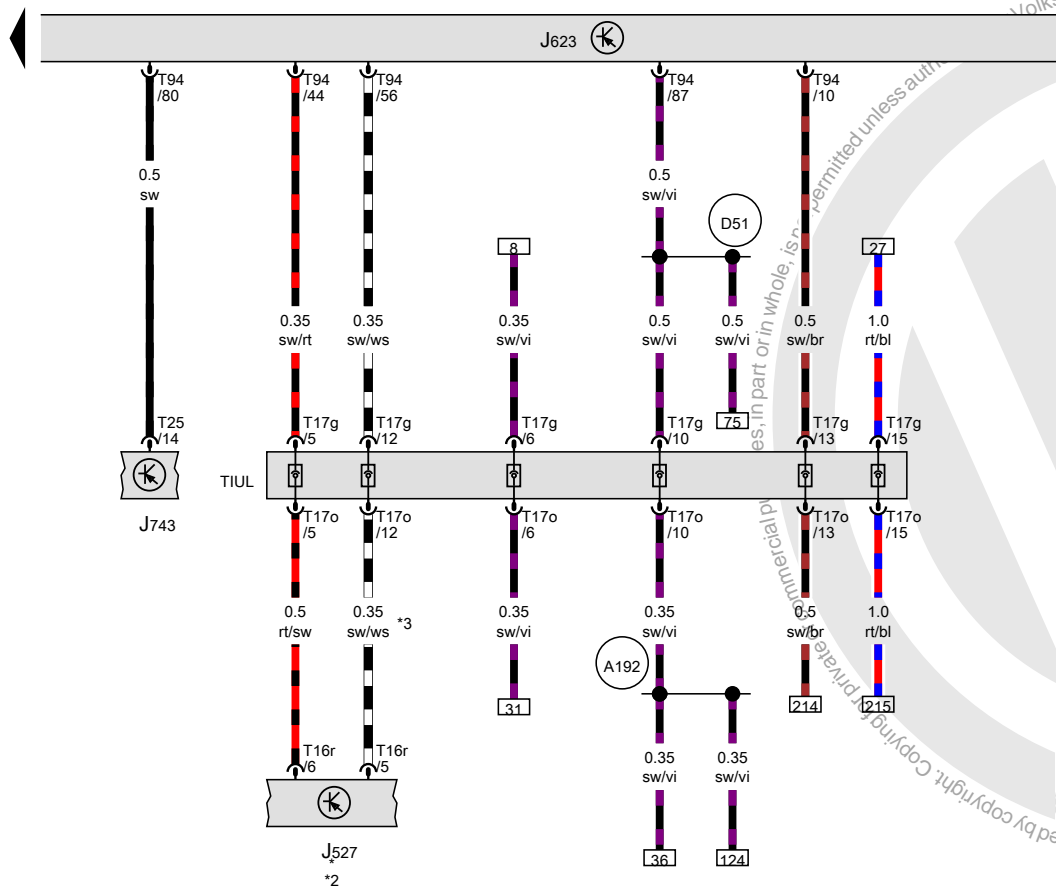
A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

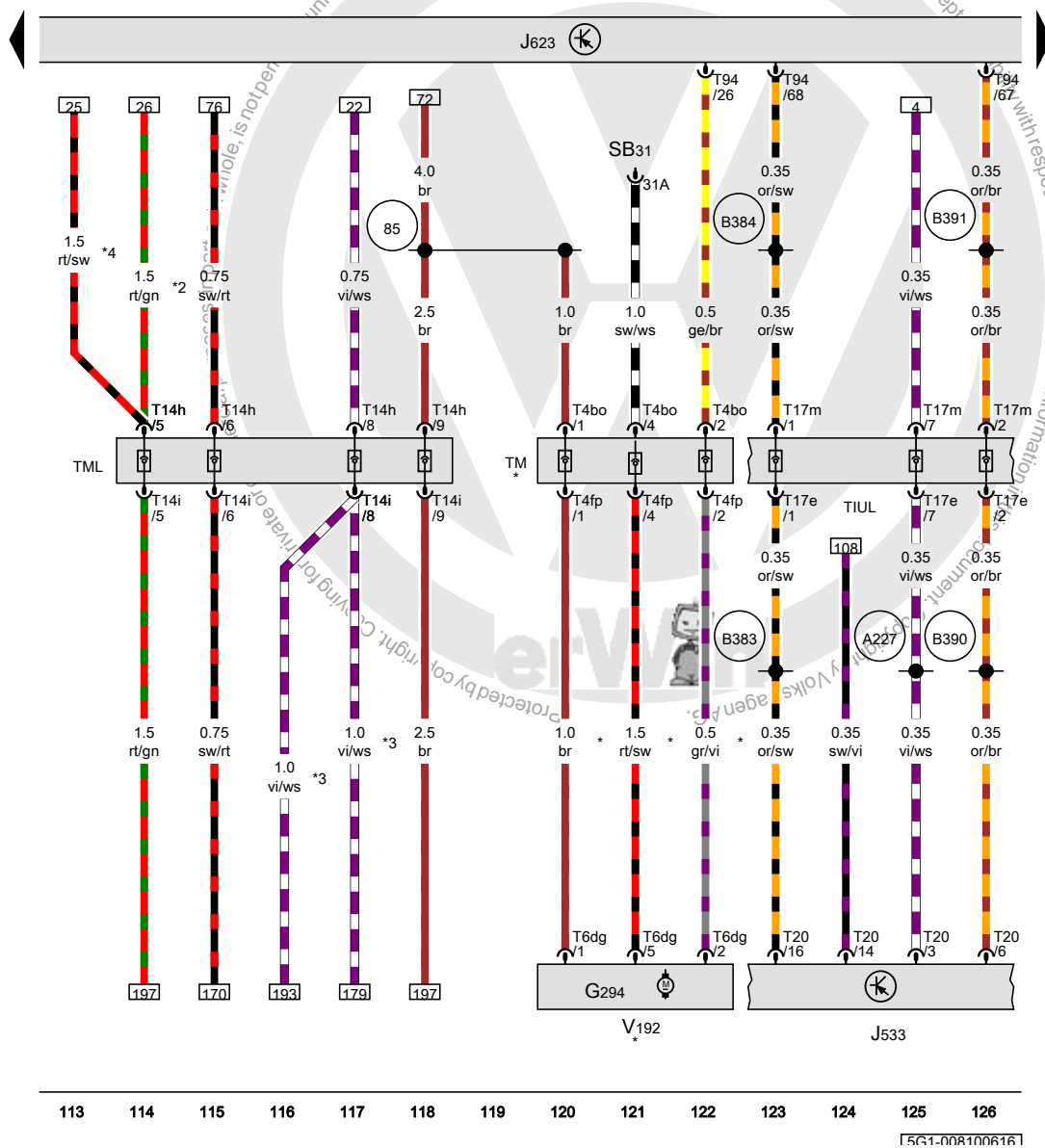
* see applicable current flow diagram

*2 Only models with no heated steering wheel

*3 Only models with cruise control system (CCS)



- ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
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vi = purple
ge = yellow
or = orange
rs = pink



Data bus diagnostic interface, Engine control unit, Coupling point in engine compartment, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- (85) Earth connection 1, in engine compartment wiring harness
- (A227) Connection 2 (LIN bus) in dash panel wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B384) Connection 2 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B391) Connection 2 (powertrain CAN bus, low), in main wiring harness

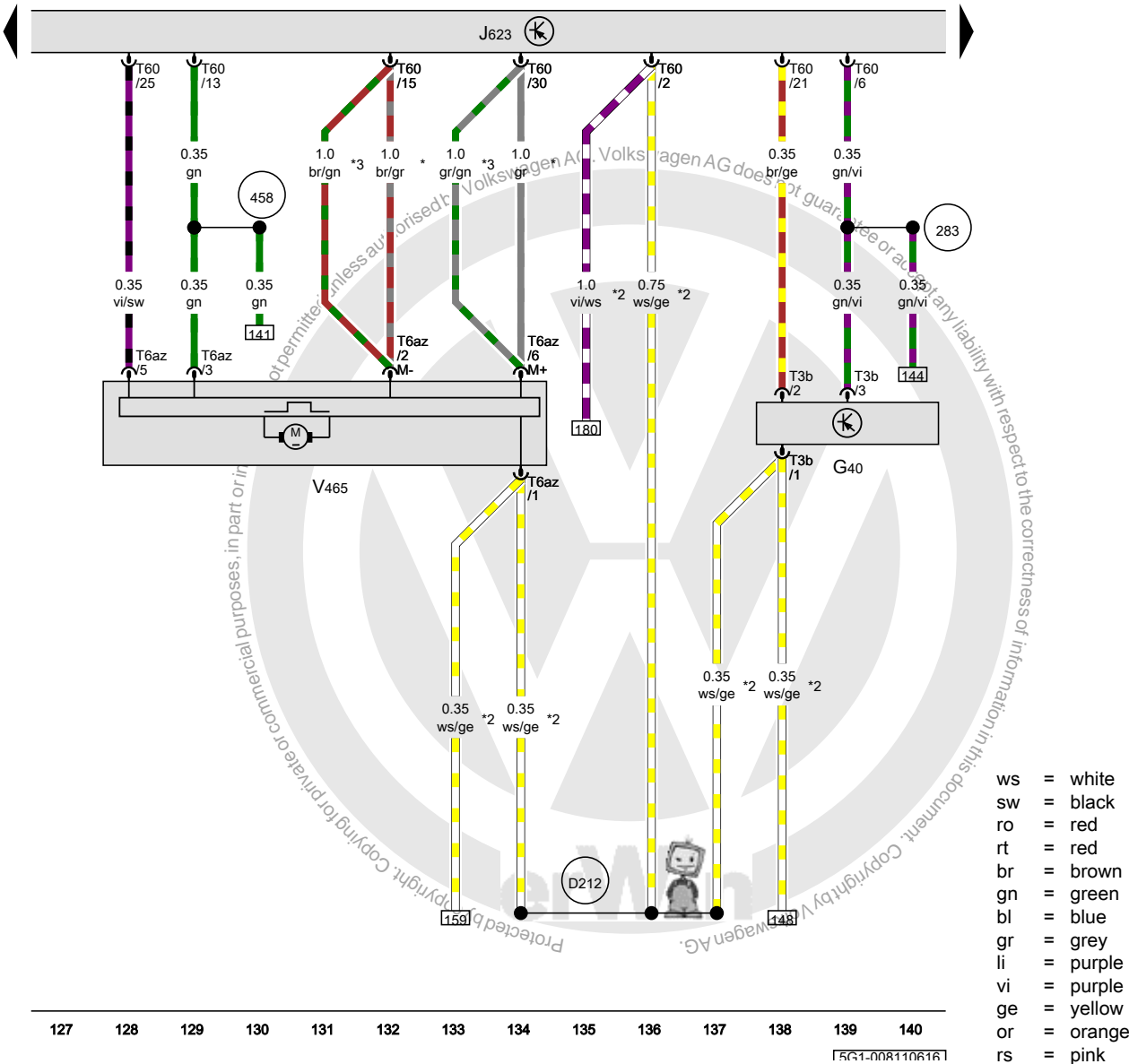
- * Only models with equipment for Japan
- *2 Up to October 2014
- *3 According to equipment
- *4 From November 2014

- ws = white
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- ro = red
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- br = brown
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- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Hall sender, Engine control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * Up to May 2013
- *2 According to equipment
- *3 From May 2013



127 128 129 130 131 132 133 134 135 136 137 138 139 140

15G1-008110616

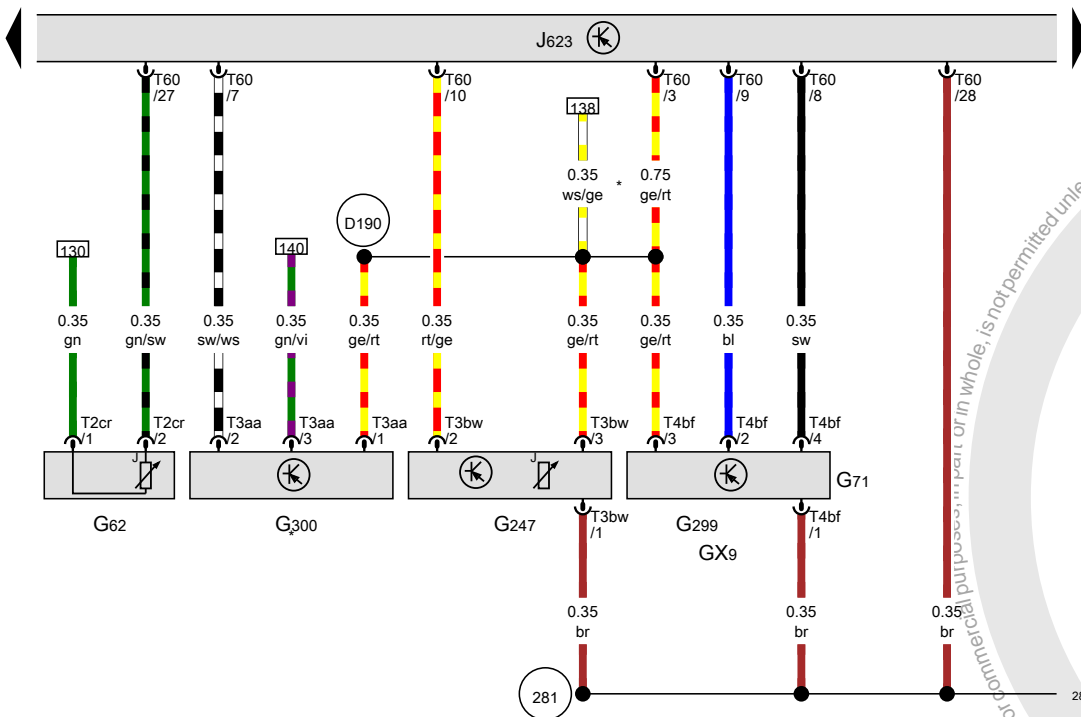
Intake manifold sender, Coolant temperature sender, Fuel pressure sender, Engine control unit

- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine control unit
- T2cr 2-pin connector
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

* According to equipment

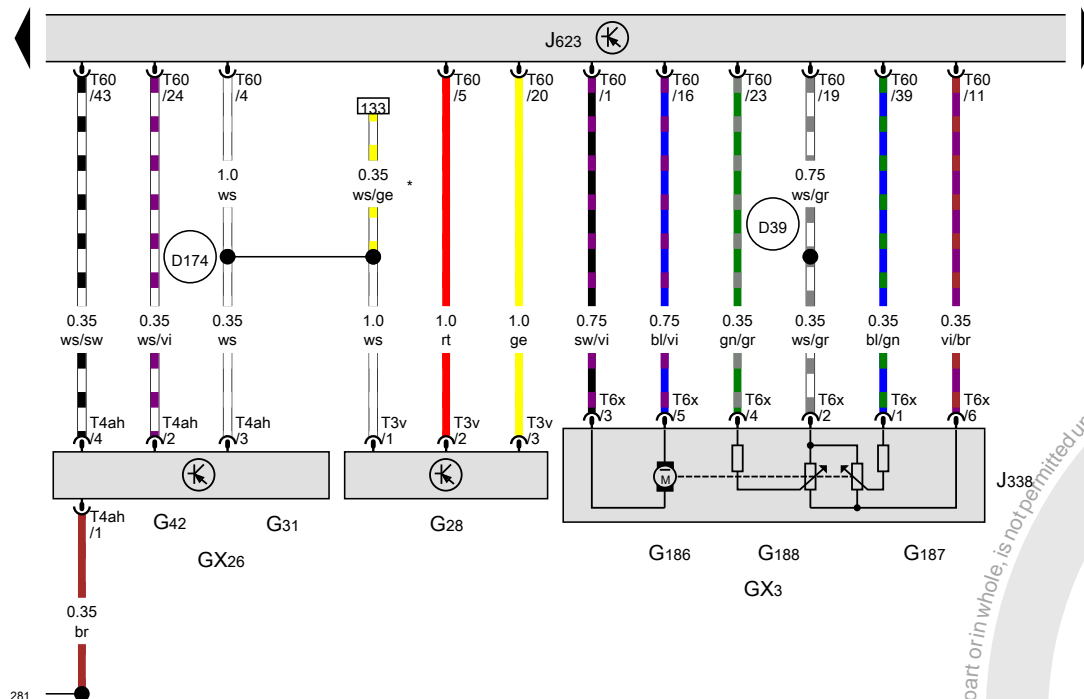


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

1551-008120616

Throttle valve module, Charge pressure sender, Engine speed sender, Engine control unit

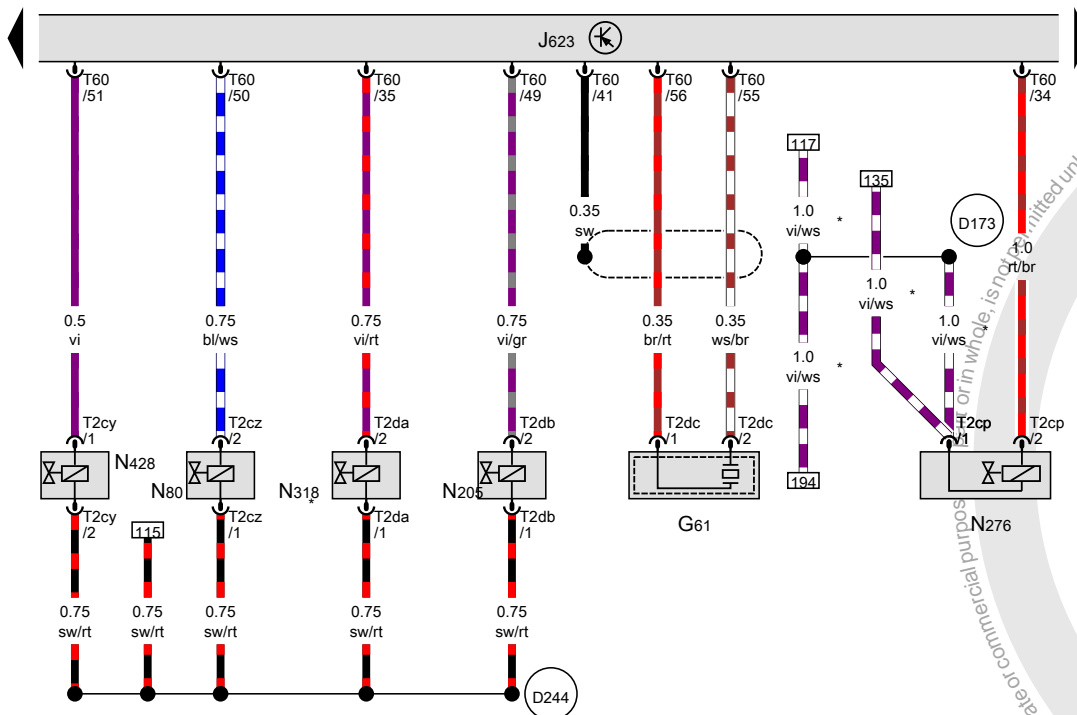


- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- D39 Connection 1, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control



- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

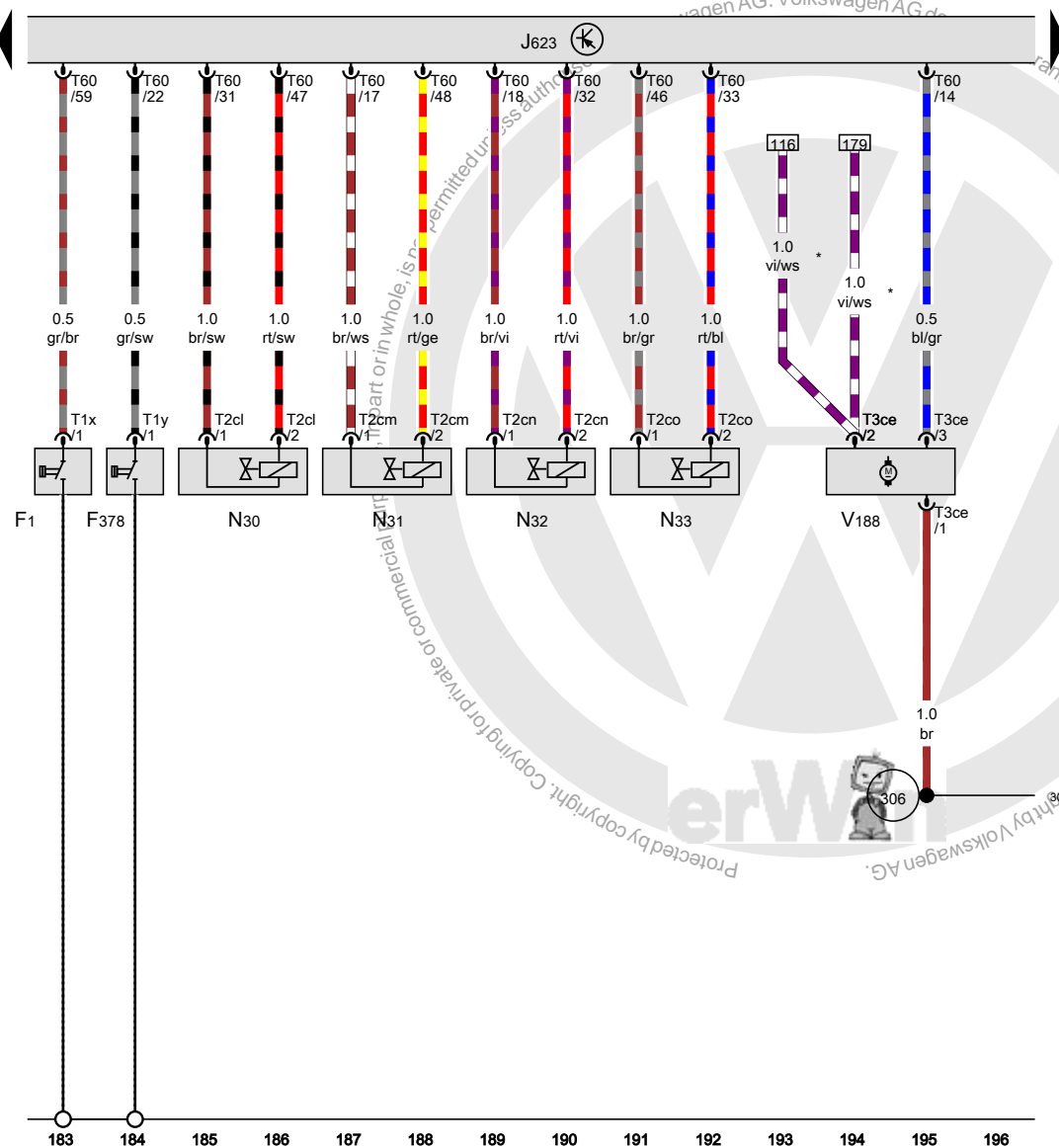
D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

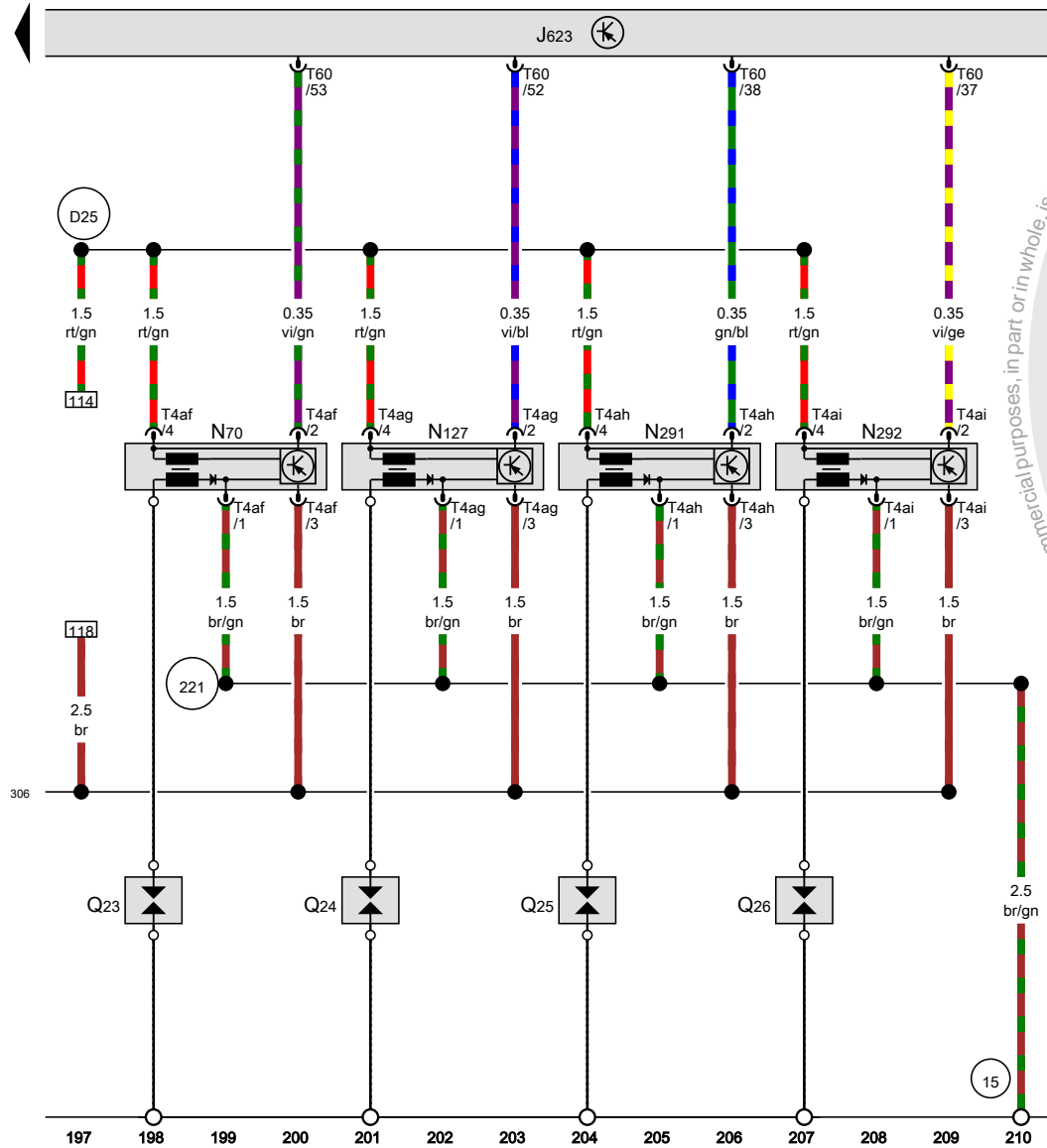
Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump



- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- * According to equipment

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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage



- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

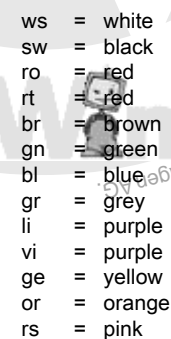
- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness

- ws = white
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- or = orange
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15G1-008160616

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J538	Fuel pump control unit
KX2	Dash panel insert
T5ai	5-pin connector
T5b	5-pin connector
T18	18-pin connector

730 Earth point 1, on right rear wheel housing



1.2l petrol engine , CJZA,CJZB,CYVA,CYVB

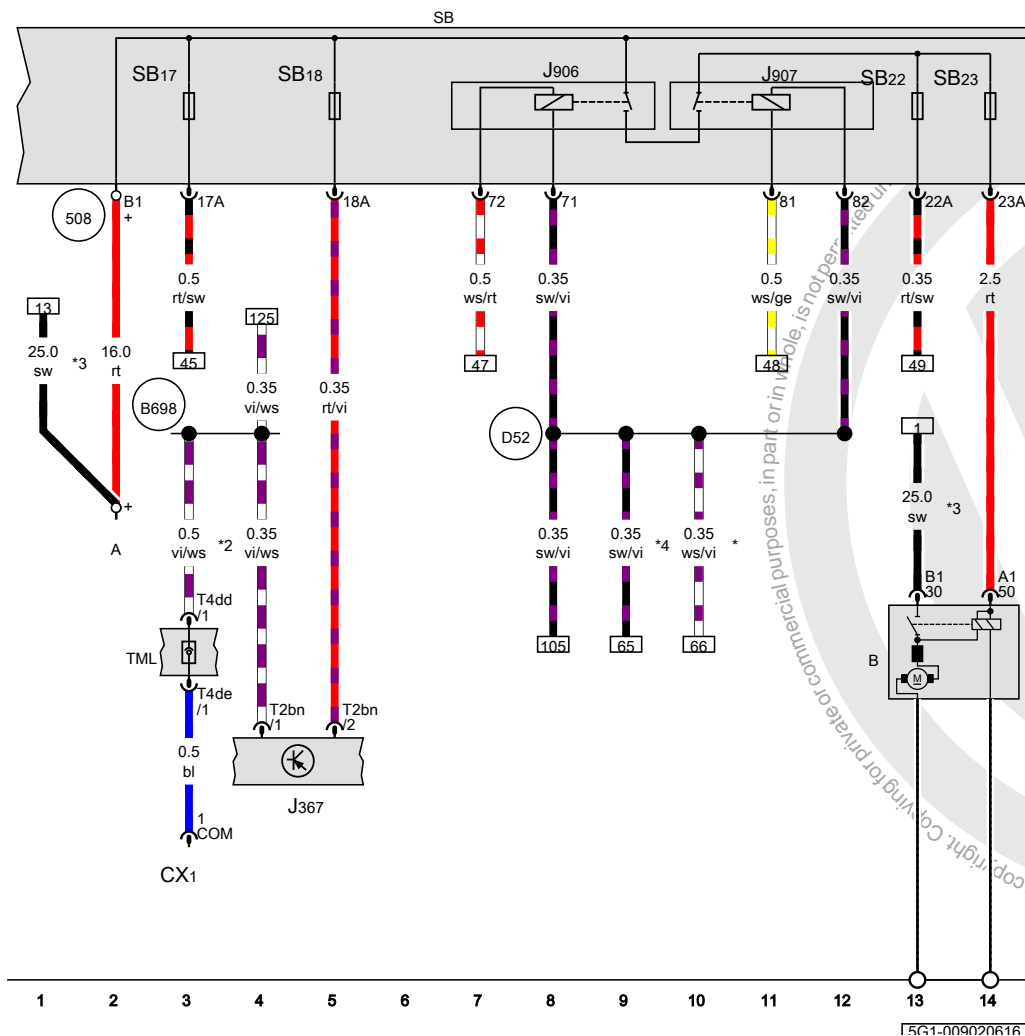
From August 2012



Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

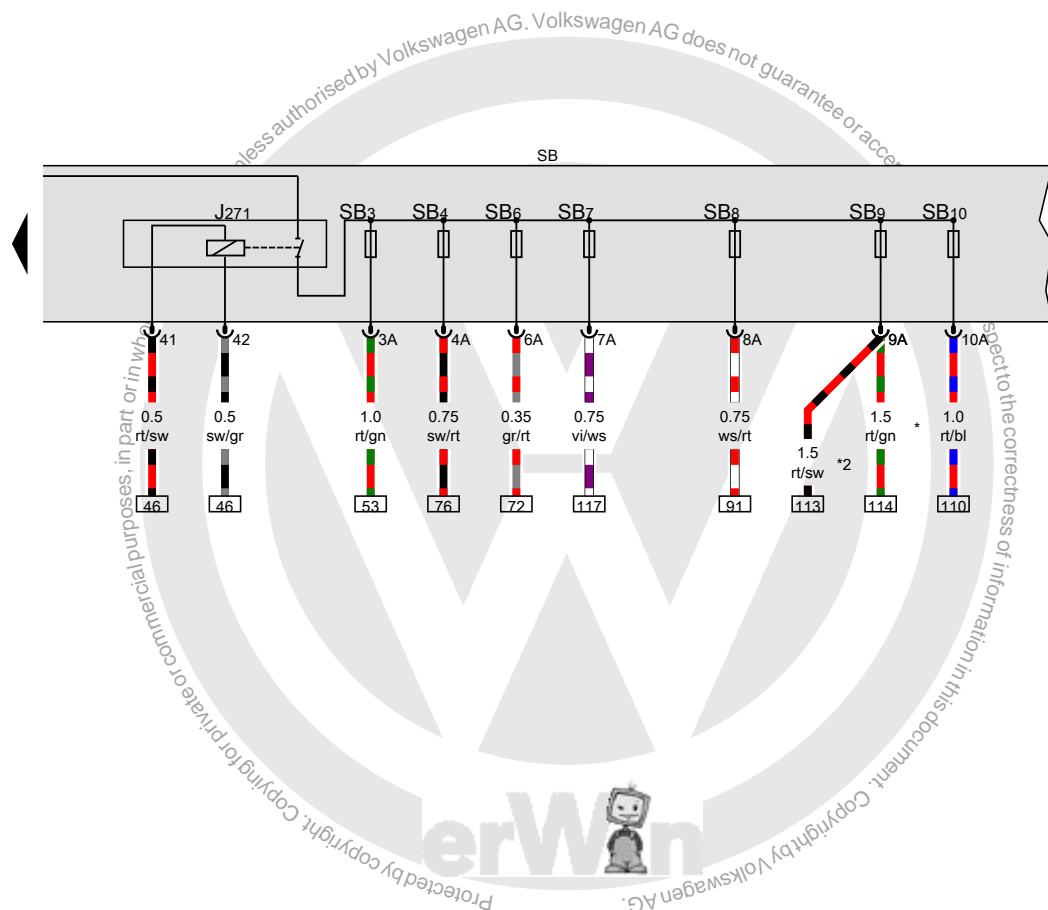
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a) in engine compartment wiring harness
- * Up to May 2014
- *2 Cross section depends on equipment
- *3 Cross-section 35.0 possible
- *4 From May 2014



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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Up to October 2014
- *2 From November 2014



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- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

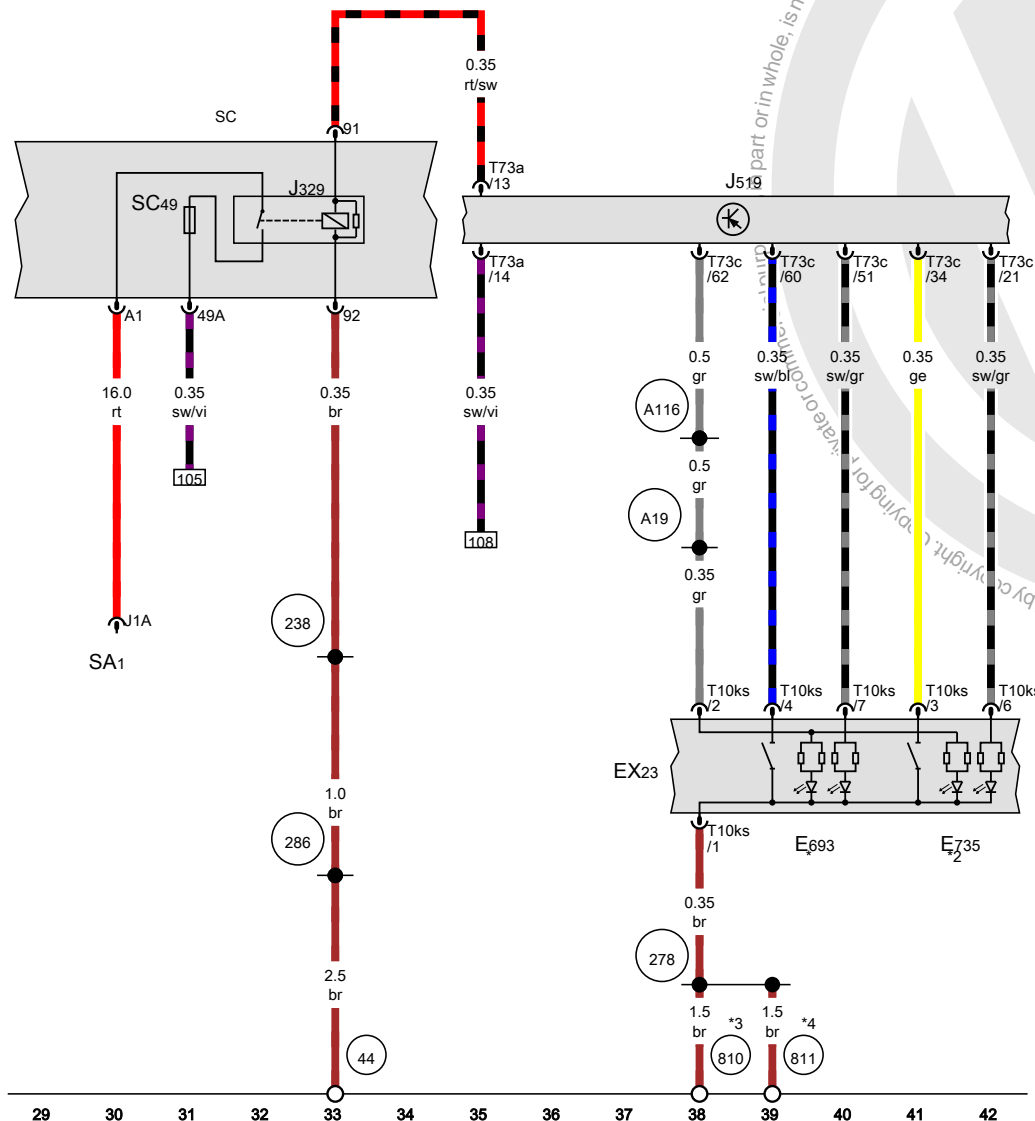
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

ws = white
sw = black
ro = red
rt = red
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



15G1-0090406161

Engine control unit

J623 Engine control unit

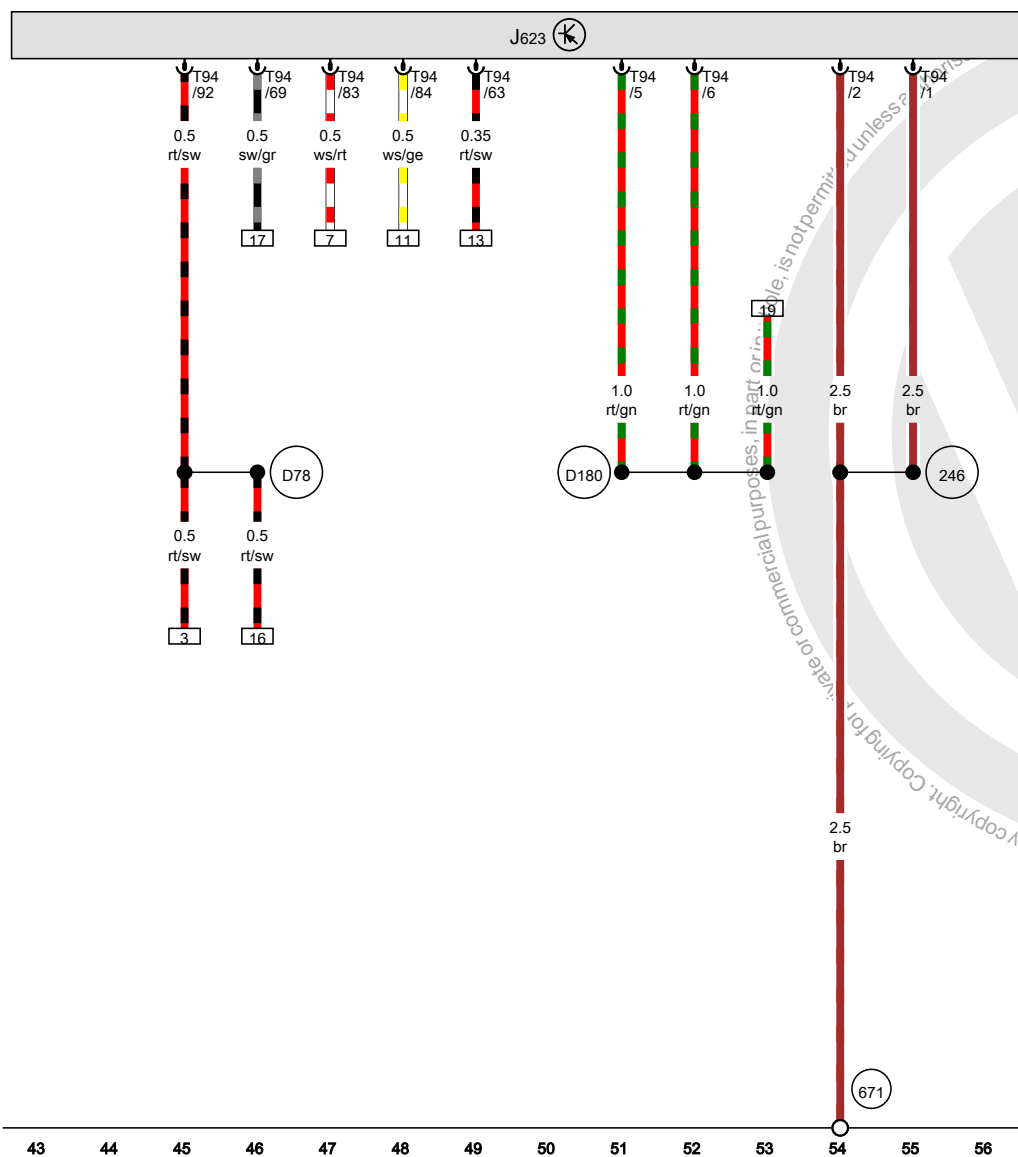
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



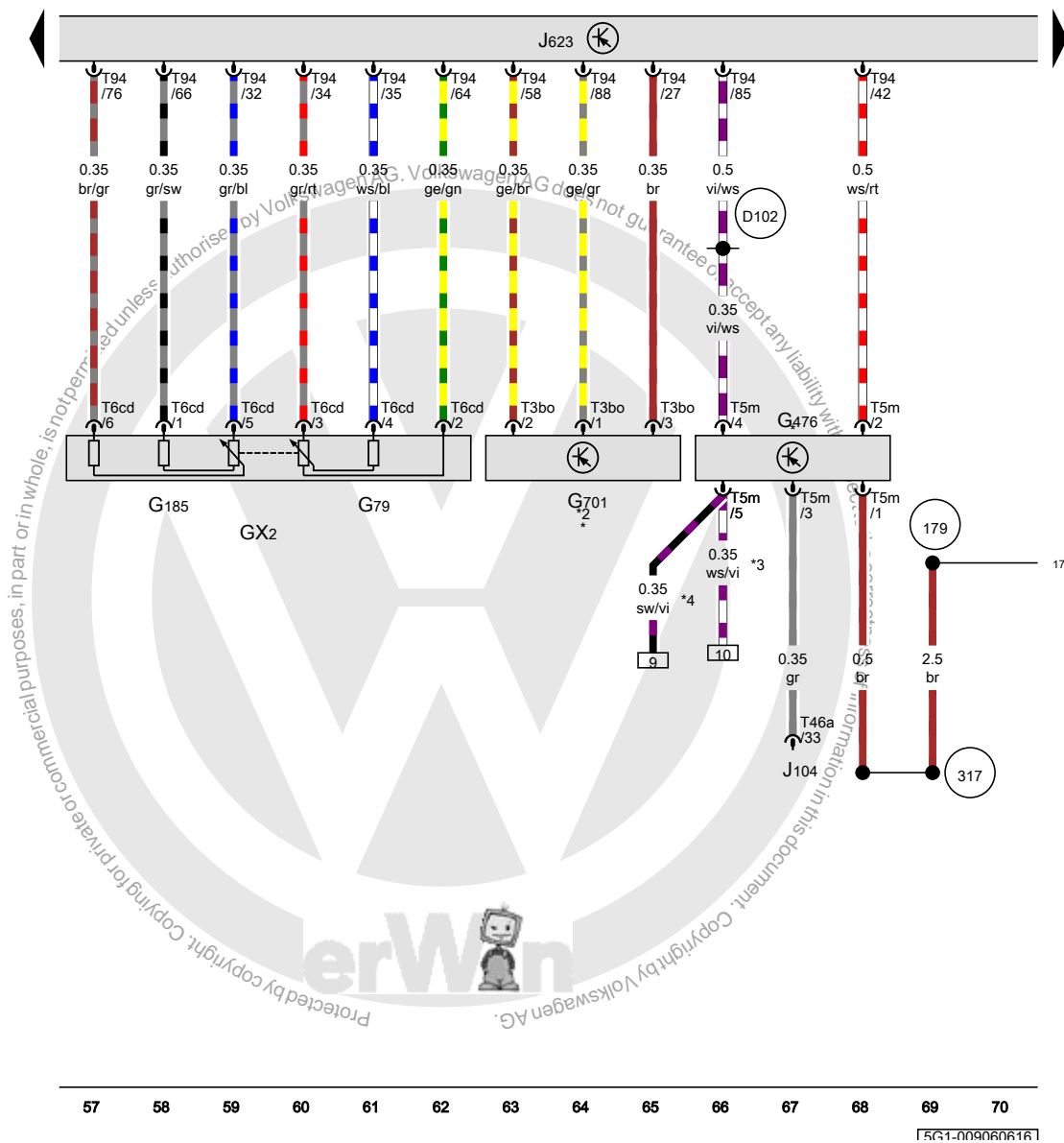
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 rs = pink

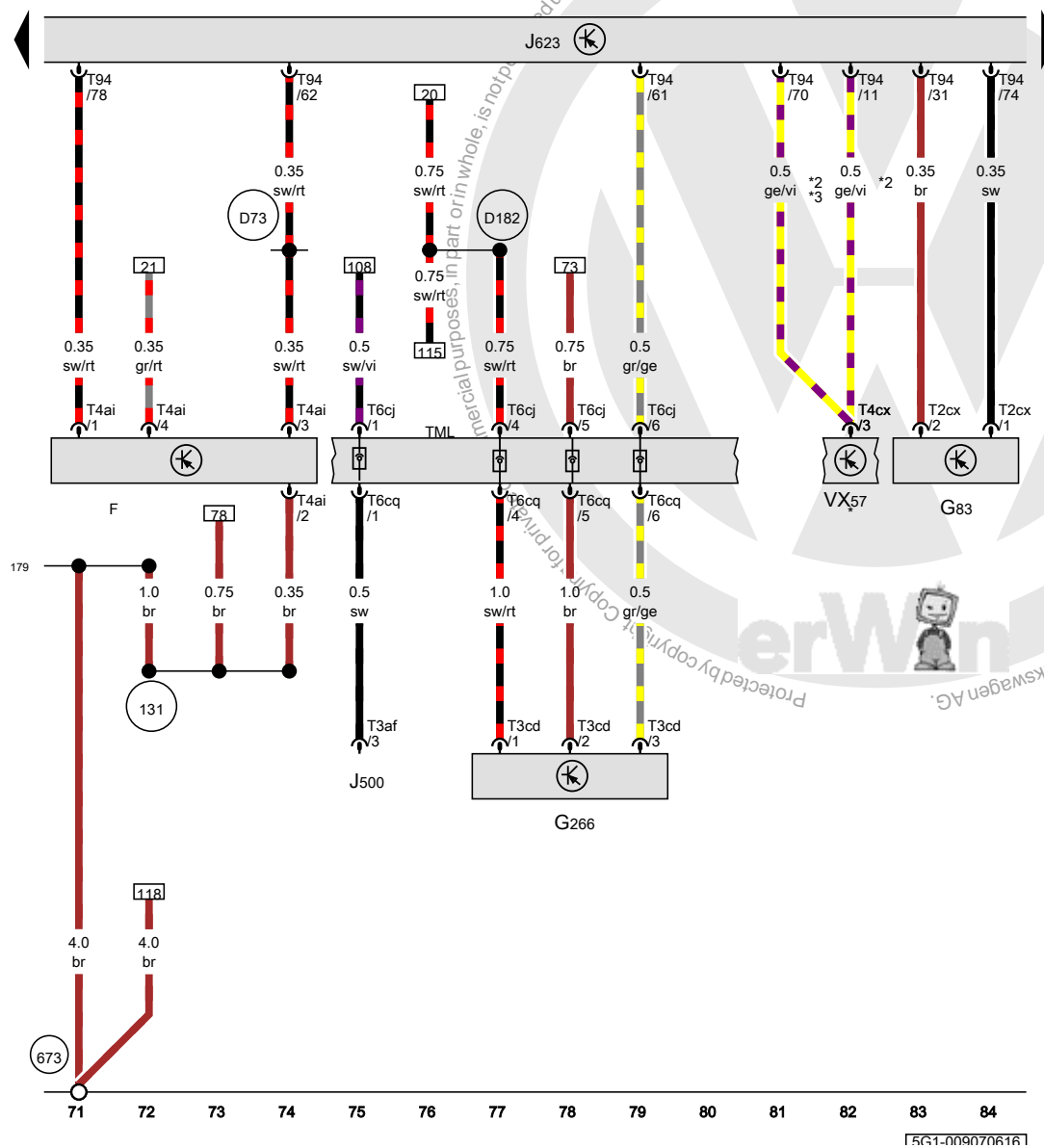
15G1-009050616

Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Up to May 2014
- *4 From May 2014





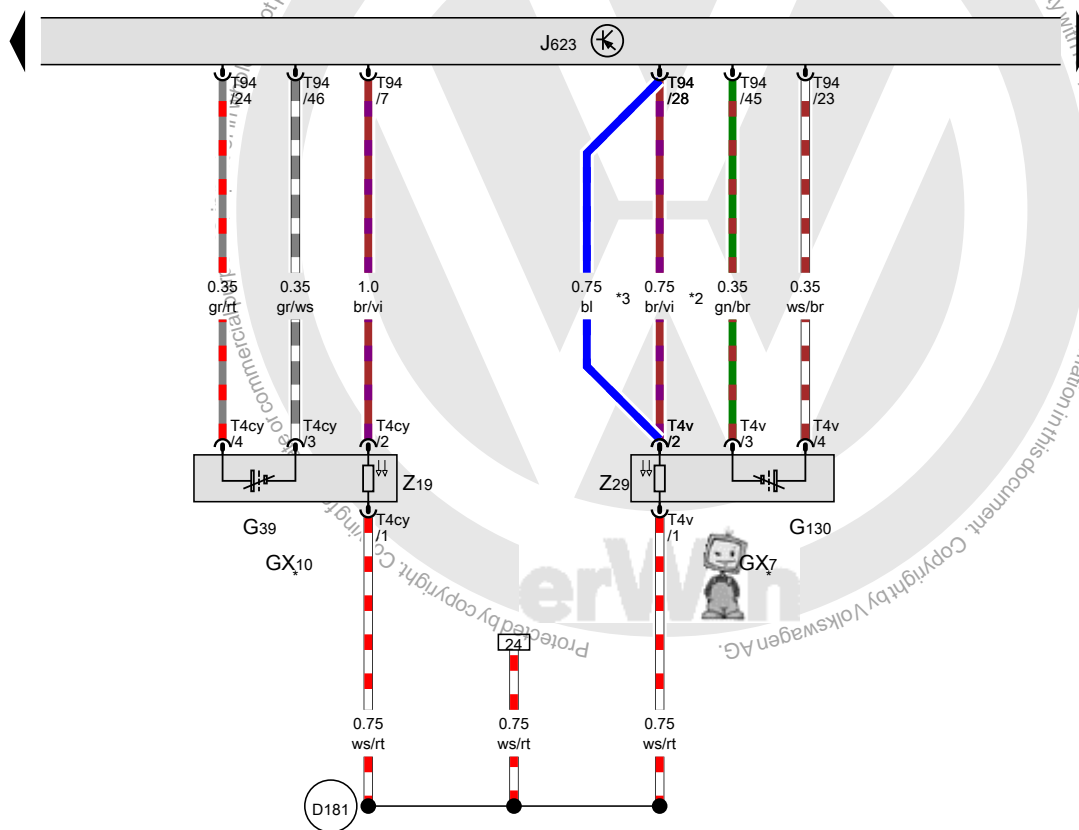
Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit, Radiator fan

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 From May 2014

- ws = white
- sw = black
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- rt = red
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- vi = purple
- ge = yellow
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- rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4cy 4-pin connector
- T4v 4-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 Up to October 2014
- *3 From November 2014

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
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 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
J623 Engine control unit
J743 Mechatronic unit for dual clutch gearbox
T16r 16-pin connector
T17g 17-pin connector, blue
T17o 17-pin connector, blue
T25 25-pin connector
T94 94-pin connector
TIUL Coupling point in interior, below left

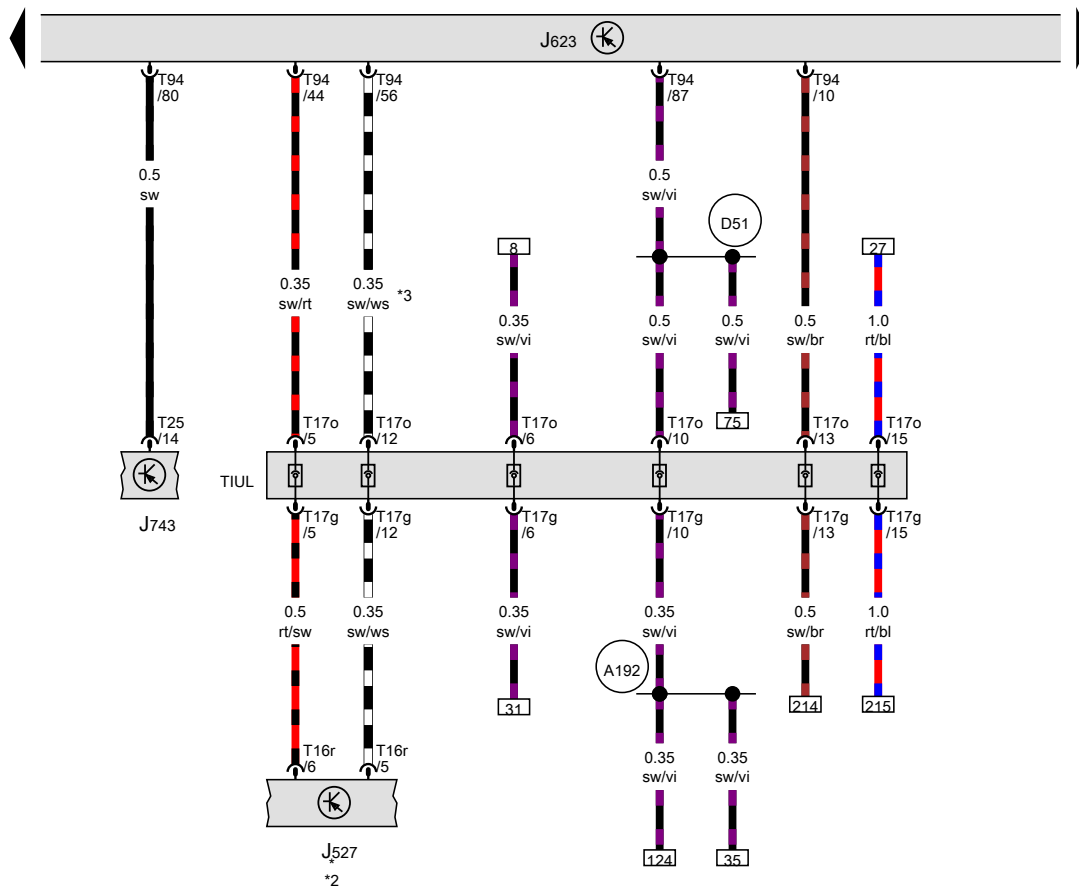
A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

* see applicable current flow diagram

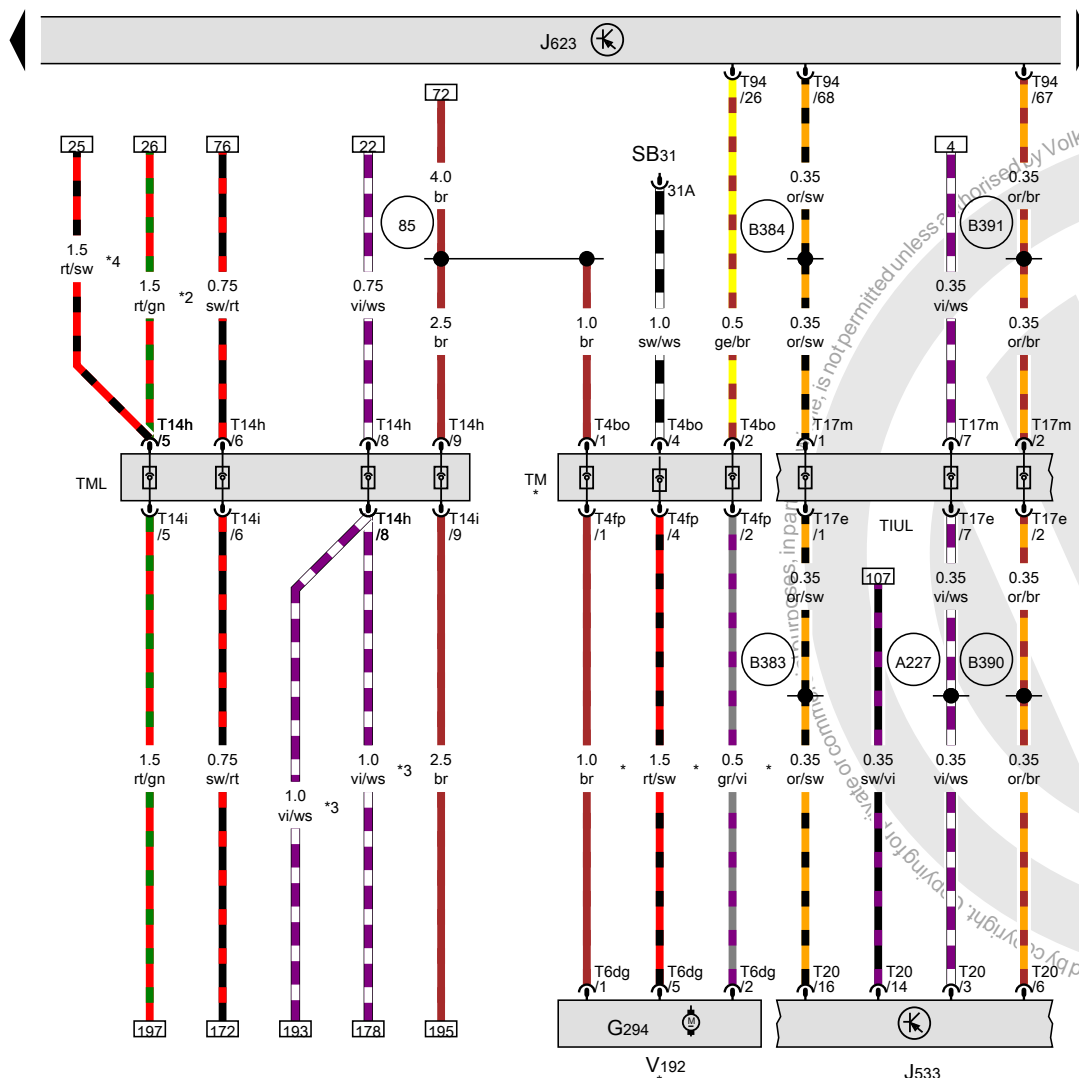
*2 Only models with no heated steering wheel

*3 Only models with cruise control system (CCS)



- ws = white
sw = black
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bl = blue
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Data bus diagnostic interface, Engine control unit, Coupling point in engine compartment, Vacuum pump for brakes



- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

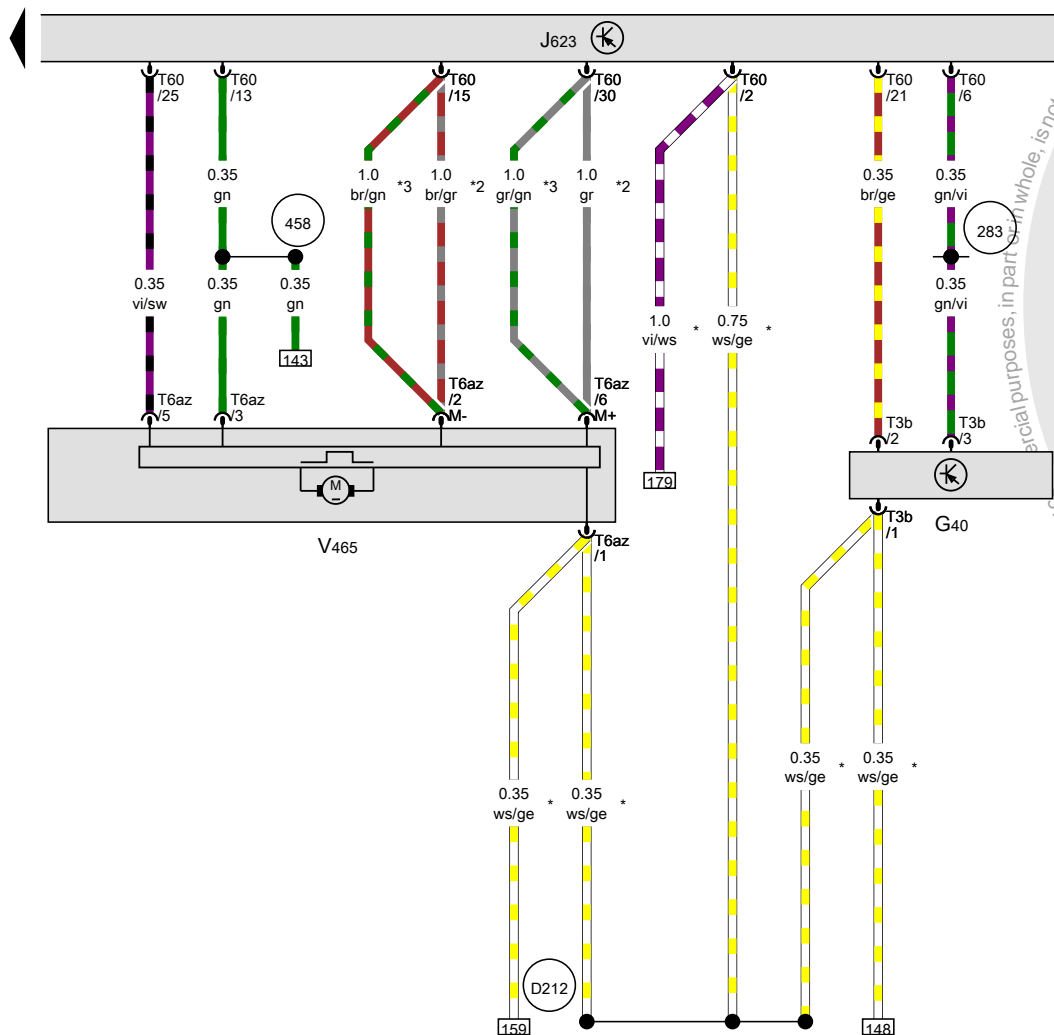
- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

- * Only models with equipment for Japan
- *2 Up to October 2014
- *3 According to equipment
- *4 From November 2014

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- sw = black
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Hall sender, Engine control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment
- *2 Up to May 2013
- *3 From May 2013

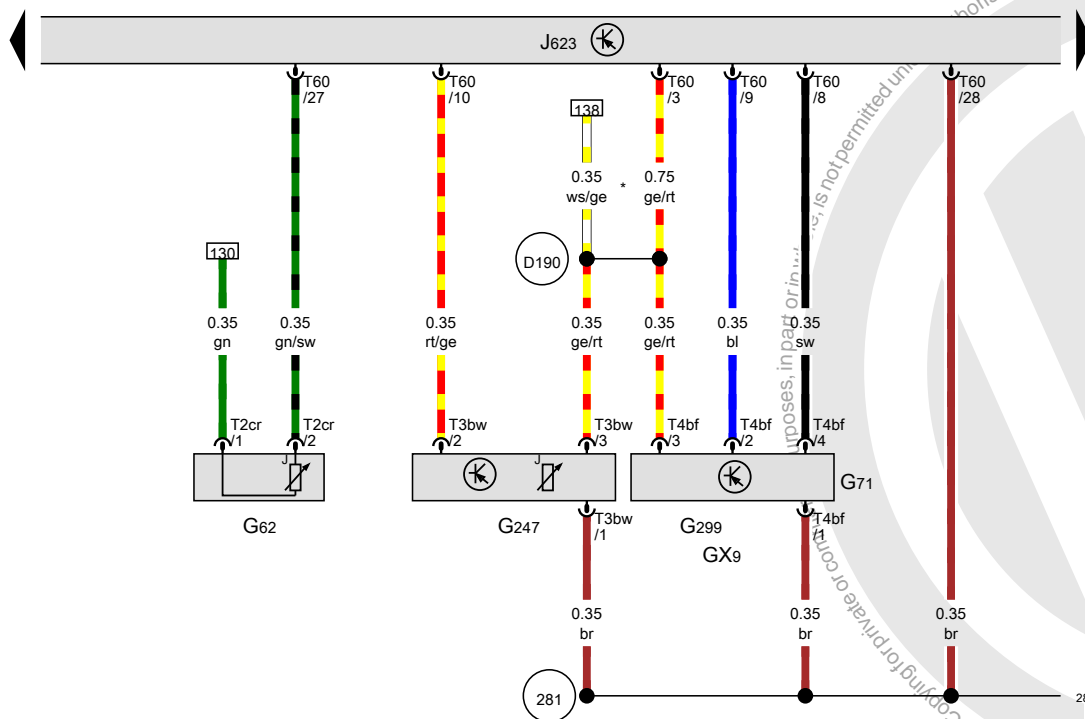


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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

15G1-009110616

Intake manifold sender, Coolant temperature sender, Fuel pressure sender, Engine control unit



- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J623 Engine control unit
- T2cr 2-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector
- 281 Earth point 1, engine prewiring harness
- D190 Connection 3 (5V) in engine prewiring harness
- * According to equipment

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 ro = red
 rt = red
 br = brown
 gn = green
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Throttle valve module, Charge pressure sender, Engine speed sender, Intake air temperature sender, Engine control unit

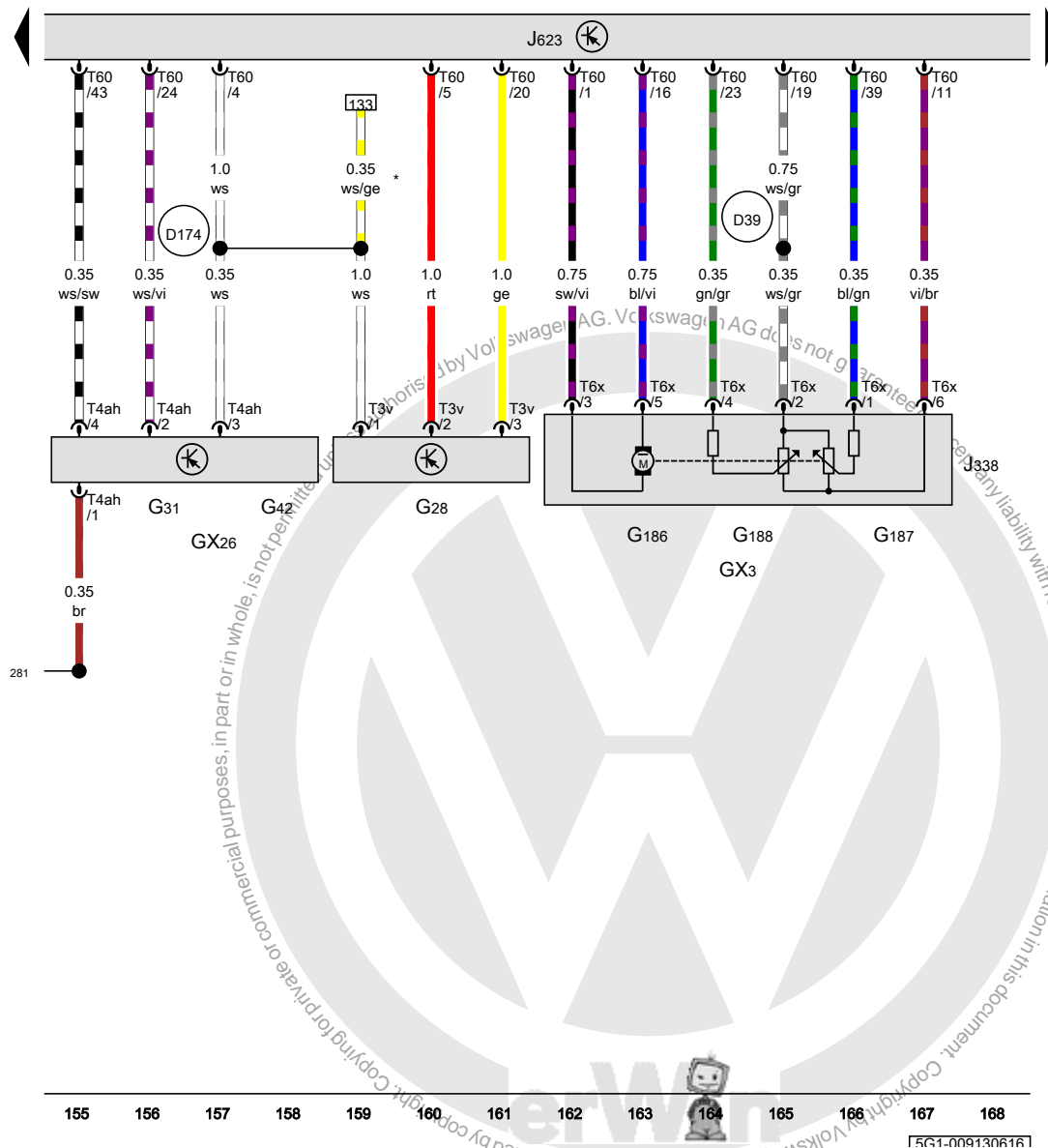
- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D39 Connection 1, in engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

* According to equipment



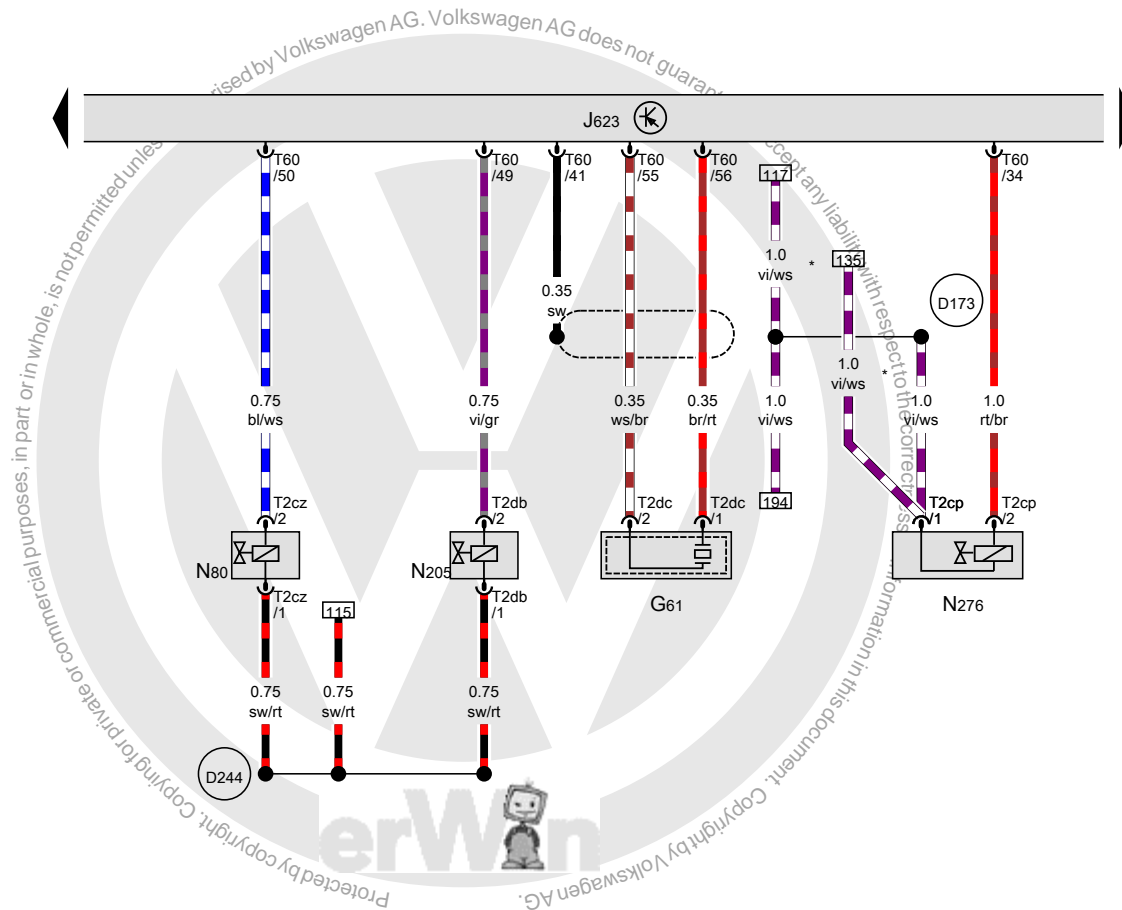
Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve

- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- T2cp 2-pin connector
- T2cz 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment



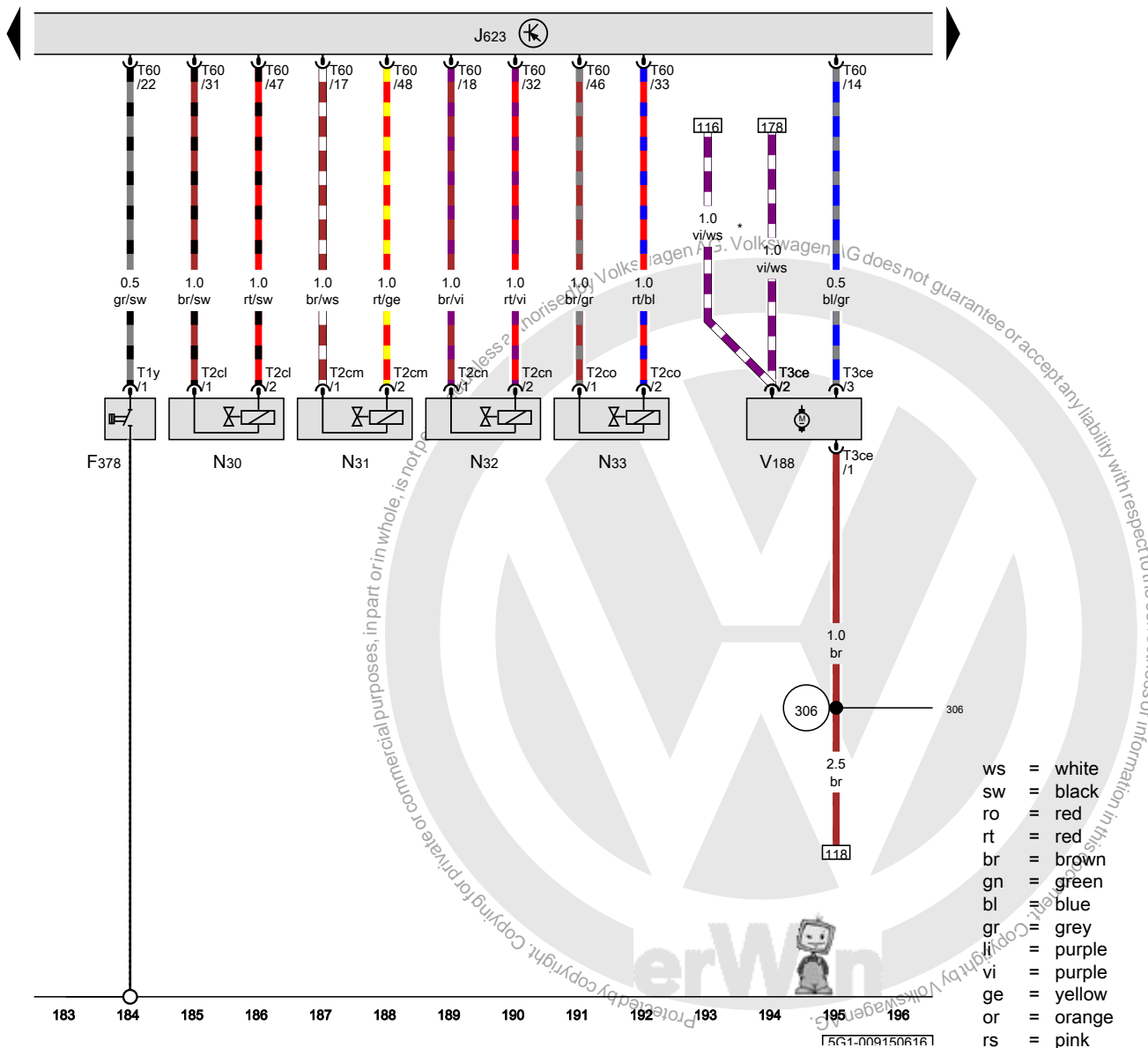
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- ge = yellow
- or = orange
- rs = pink

Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump

306 Earth connection (ignition coils), in engine prewiring harness

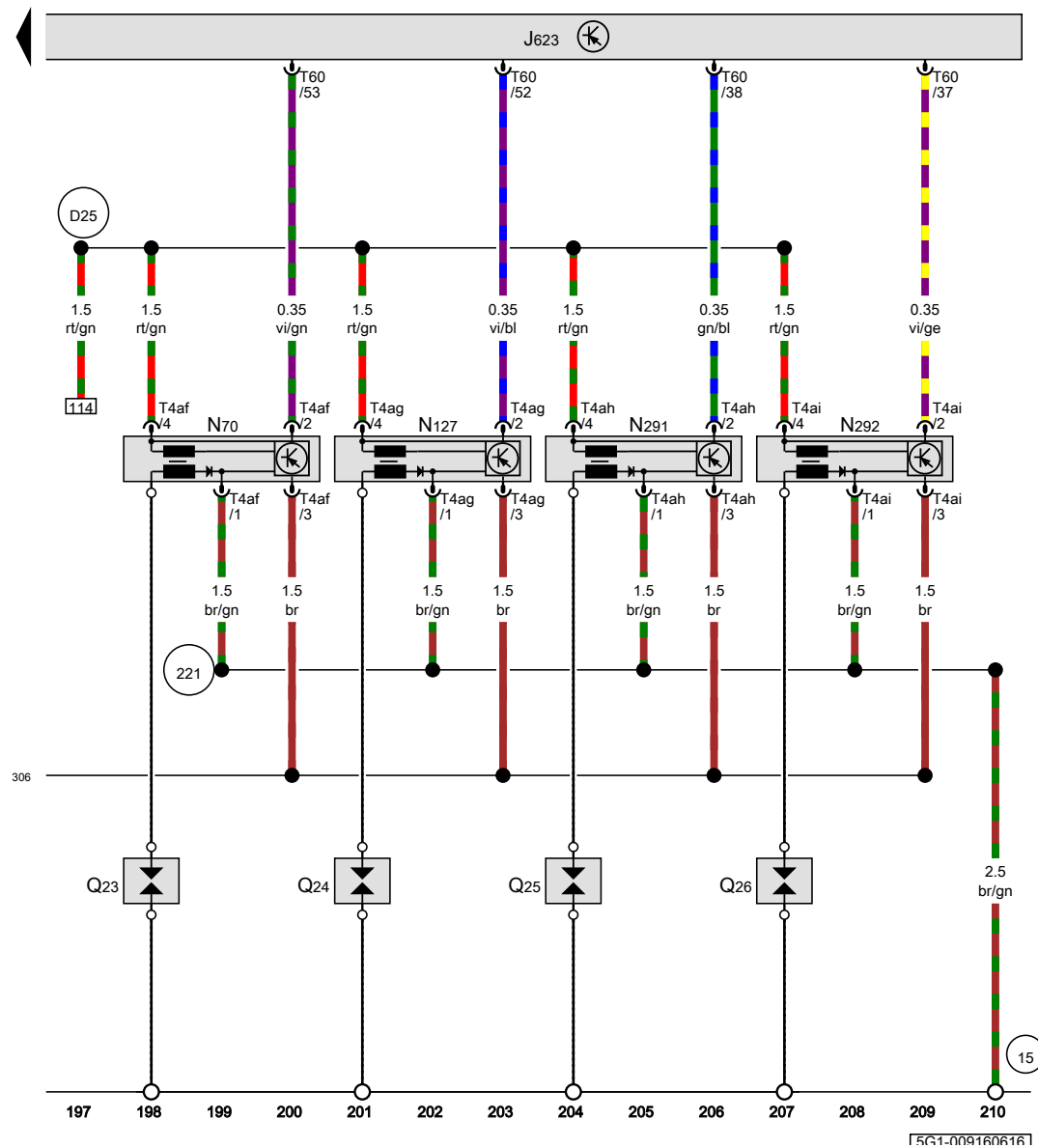
* According to equipment



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- | | |
|------|-----------------------------------|
| J623 | Engine control unit |
| N70 | Ignition coil 1 with output stage |
| N127 | Ignition coil 2 with output stage |
| N291 | Ignition coil 3 with output stage |
| N292 | Ignition coil 4 with output stage |
| Q23 | Spark plug 1 |
| Q24 | Spark plug 2 |
| Q25 | Spark plug 3 |
| Q26 | Spark plug 4 |
| T4af | 4-pin connector |
| T4ag | 4-pin connector |
| T4ah | 4-pin connector |
| T4ai | 4-pin connector |
| T60 | 60-pin connector |

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness



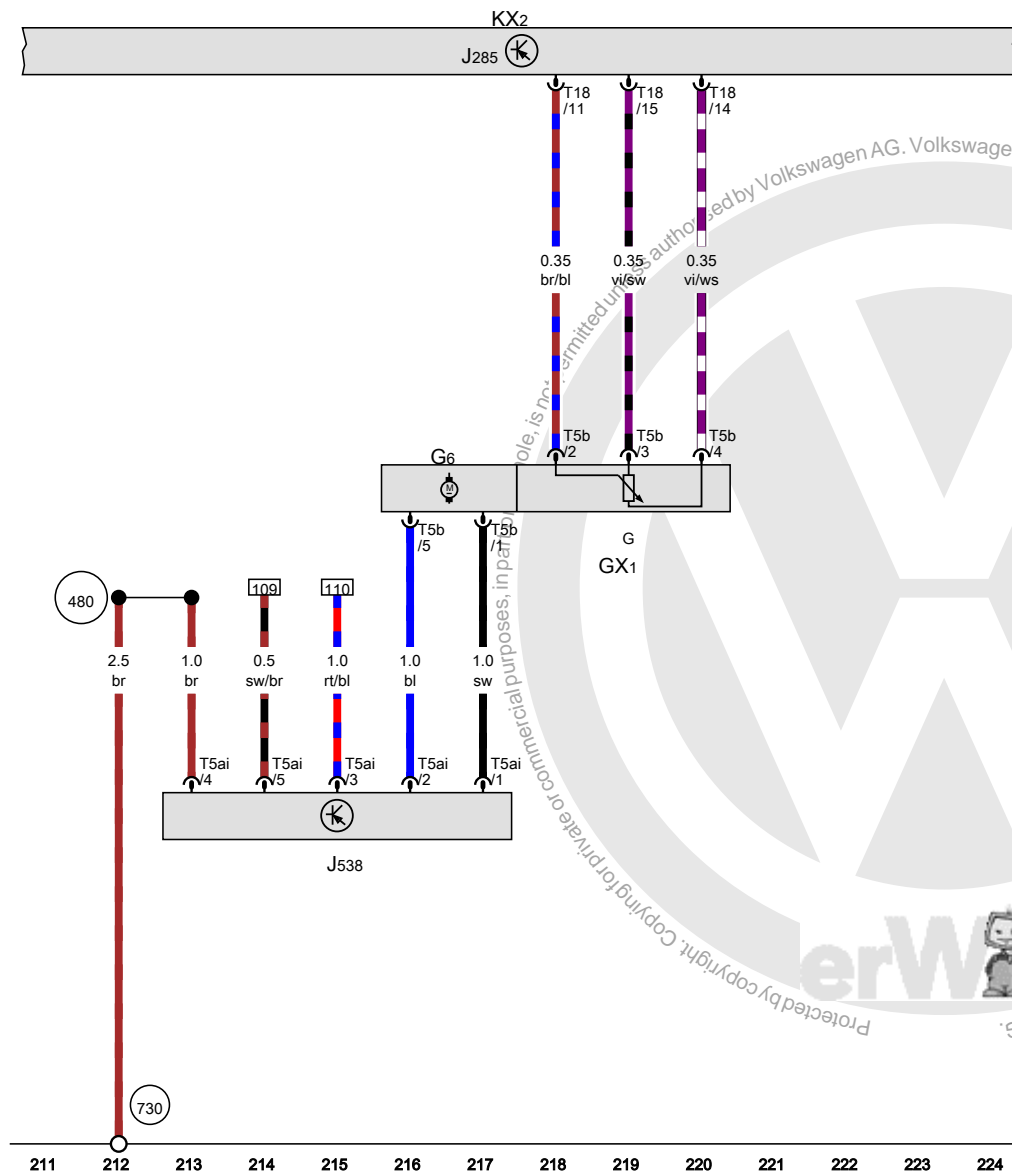
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

(480) Earth connection, in fuel tank wiring harness

(730) Earth point 1, on right rear wheel housing



- ws = white
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- rt = red
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- gn = green
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- gr = grey
- li = purple
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15G1-009170616

1.6l diesel engine , CLHA,CLHB,CRKB

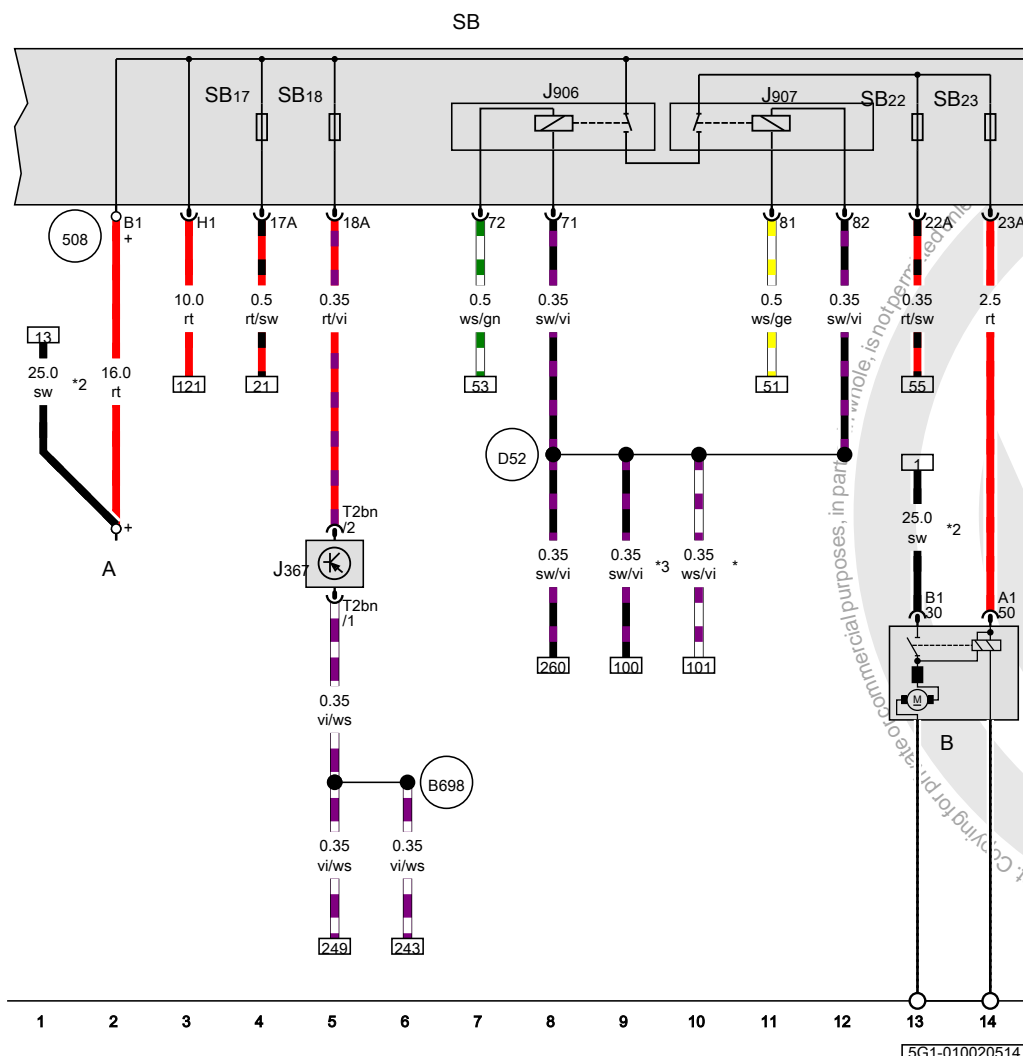
From August 2012



Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross-section 35.0 possible
- *3 From May 2014



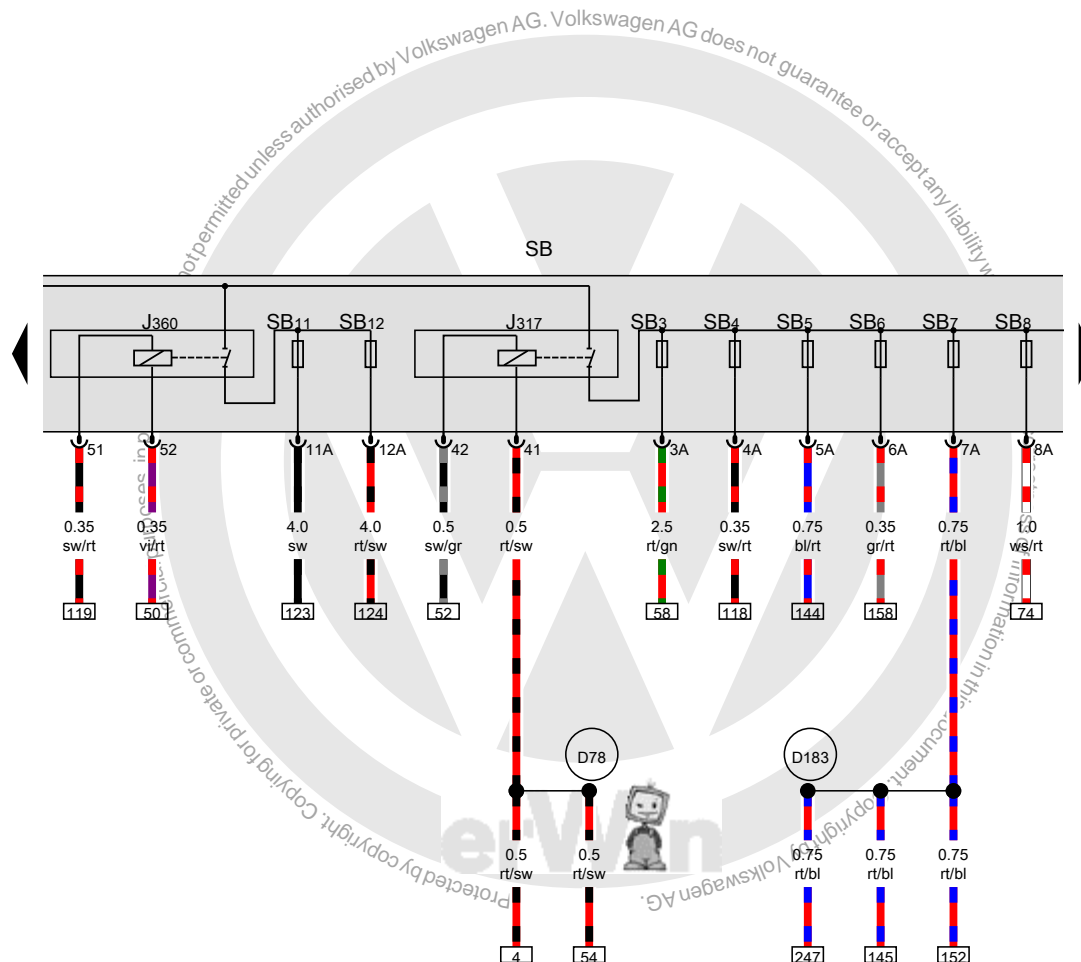
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- vi = purple
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Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B

D78 Positive connection 1 (30a), in engine compartment wiring harness

D183 Connection 4 (87a) in engine compartment wiring harness



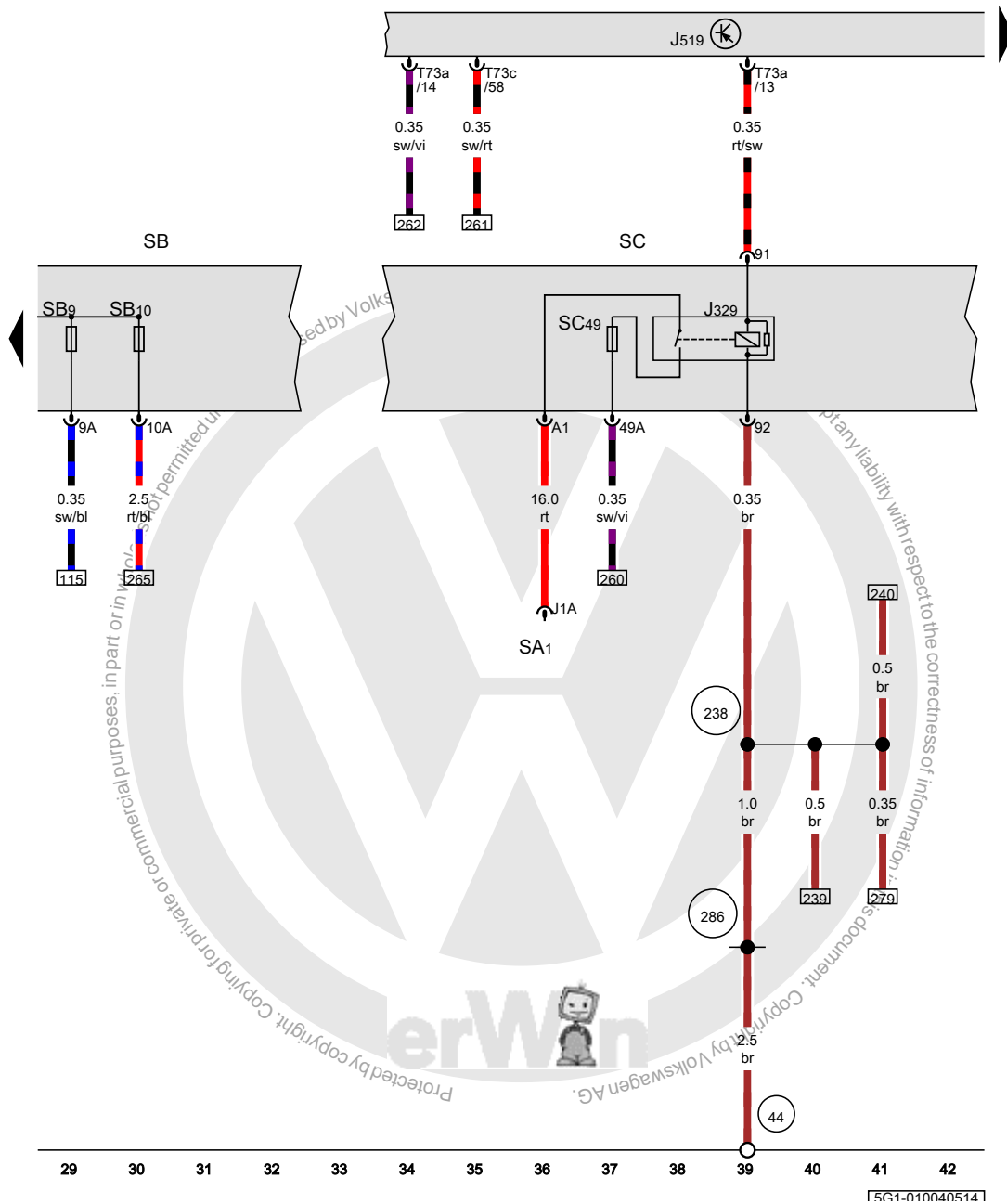
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- ge = yellow
- or = orange
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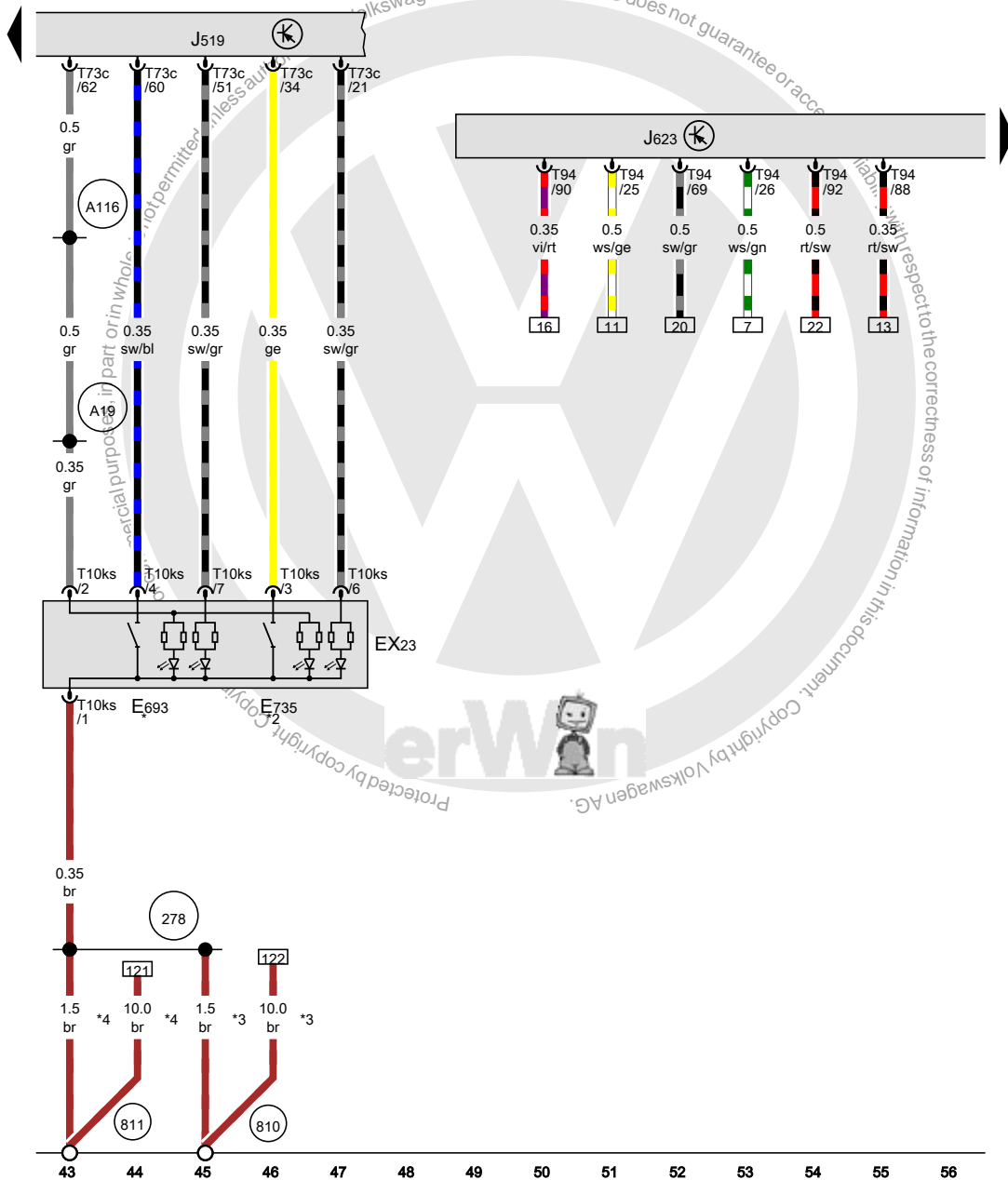
Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness

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- rt = red
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- bl = blue
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- ge = yellow
- or = orange
- rs = pink

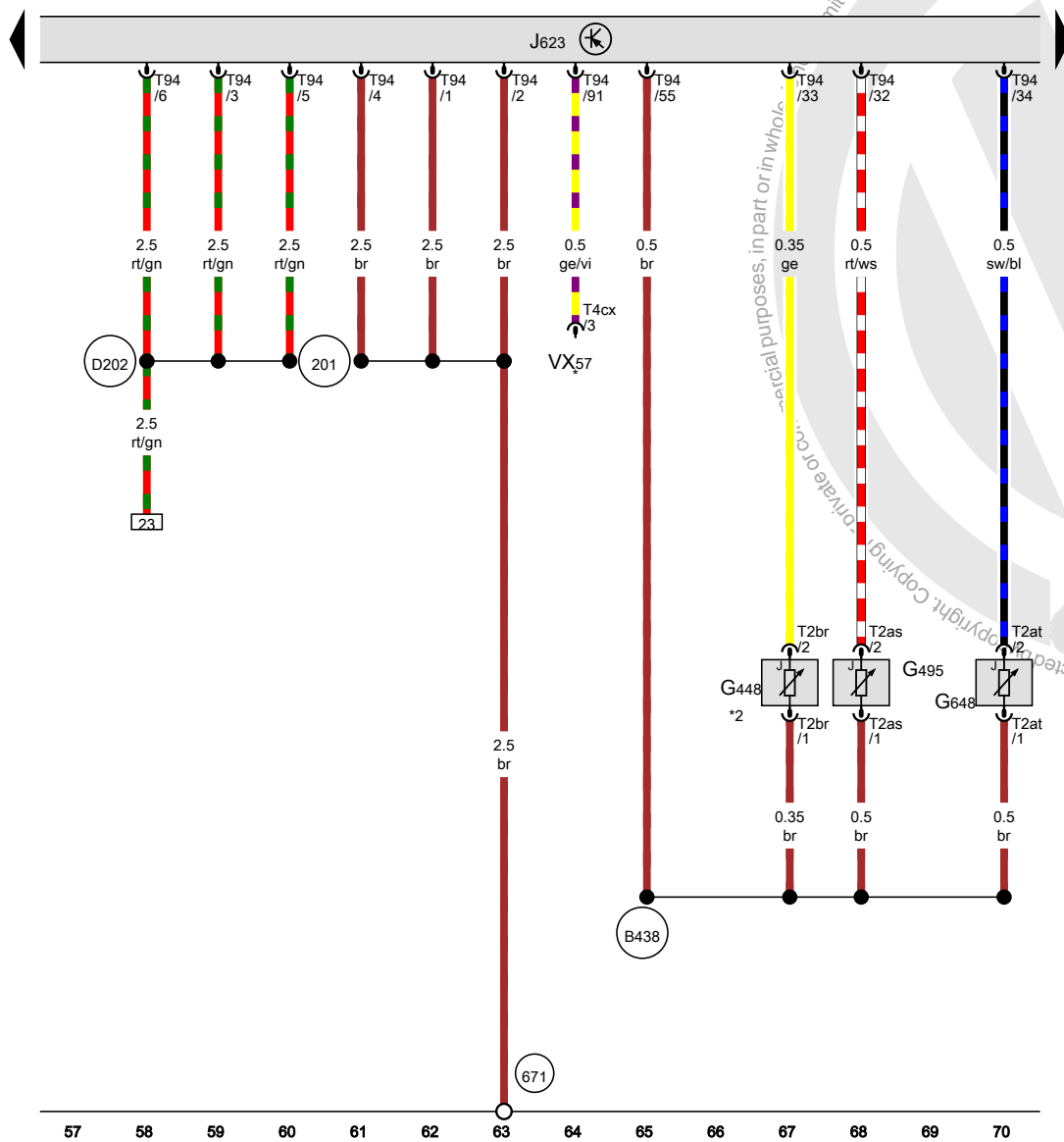




Switch module 1 in centre console, Onboard supply control unit, Engine control unit

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine control unit
- T10ks 10-pin connector
- T73c 73-pin connector
- T94 94-pin connector

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models



Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit, Radiator fan

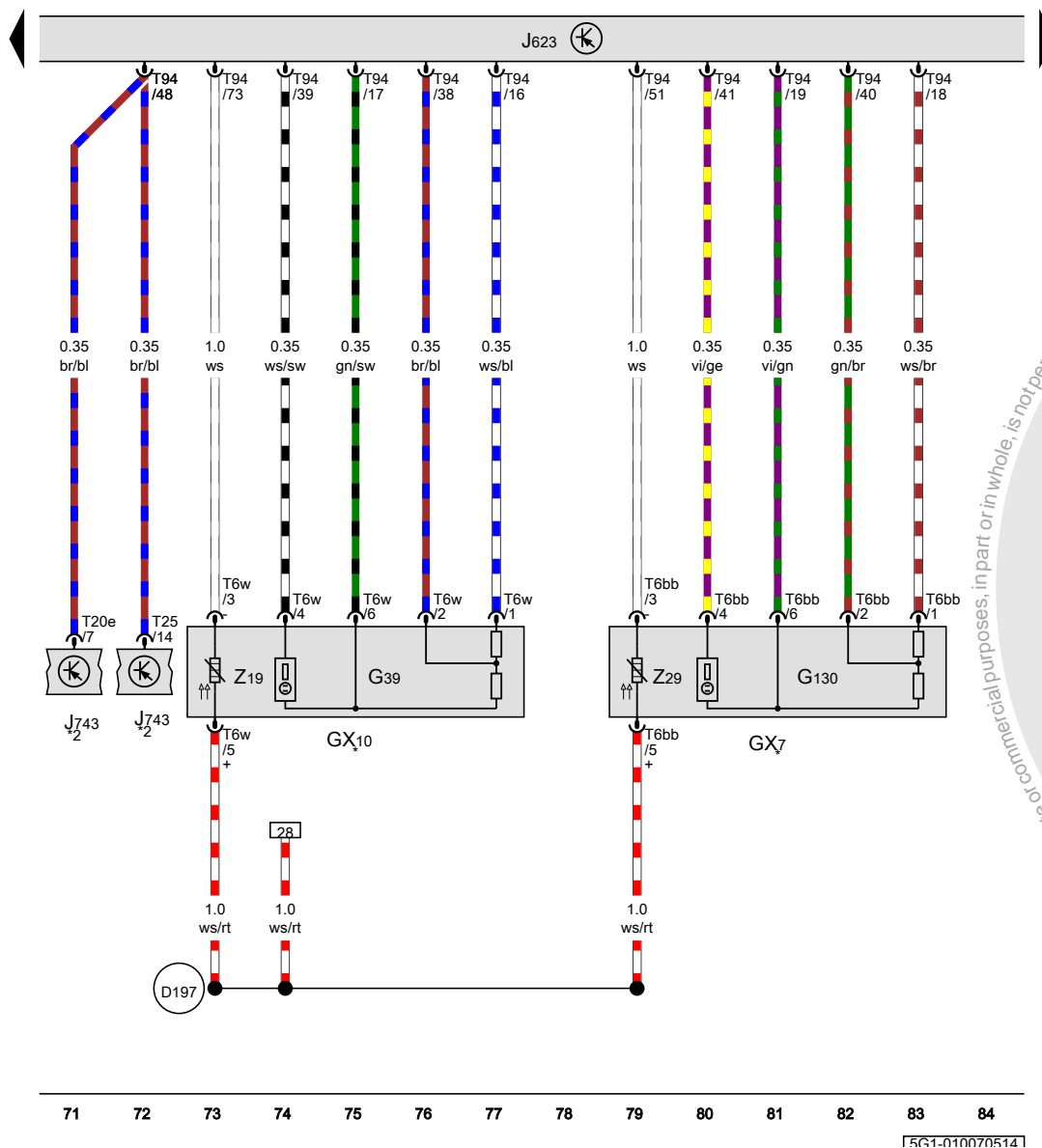
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2as 2-pin connector
- T2at 2-pin connector
- T2br 2-pin connector
- T4cx 4-pin connector
- T94 94-pin connector
- VX57 Radiator fan

- 201 Earth connection 5, in engine compartment wiring harness
- 671 Earth point 1, on front of left longitudinal member
- B438 Connection 2 (GND (earth)), in main wiring harness
- D202 Connection 6 (87a) in engine compartment wiring harness
- * Pre-wired component
- *2 Only models with Euro 6 plus emission standard

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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit, Mechatronic unit for dual clutch gearbox

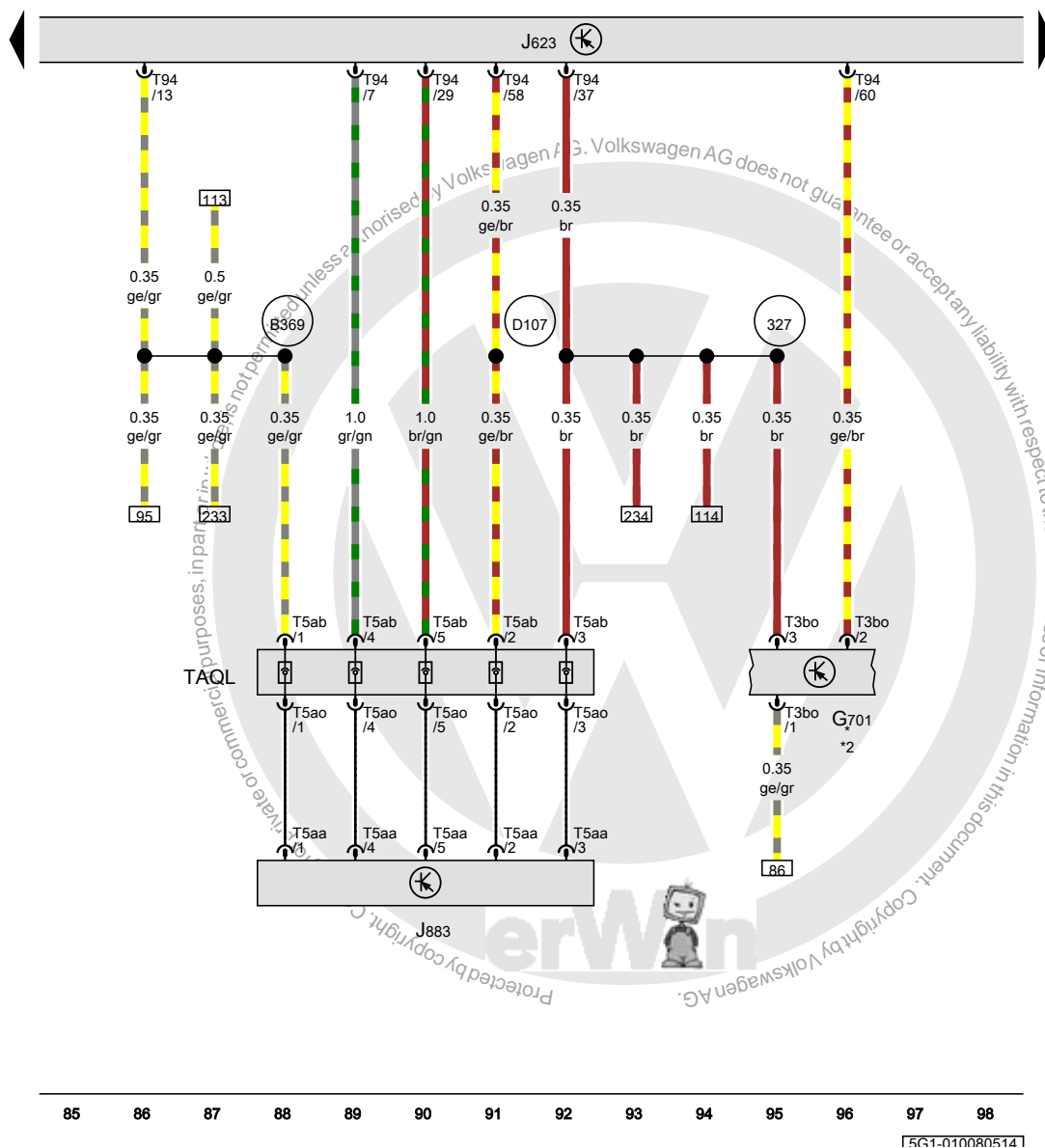
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector
- T6w 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment



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- bl = blue
- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

**Gearbox neutral position sender, Engine control unit,
Exhaust flap control unit**

- | | |
|------|---|
| G701 | Gearbox neutral position sender |
| J623 | Engine control unit |
| J883 | Exhaust flap control unit |
| T3bo | 3-pin connector |
| T5aa | 5-pin connector |
| T5ab | 5-pin connector, brown |
| T5ao | 5-pin connector |
| T94 | 94-pin connector |
| TAQL | Coupling point on rear cross member, left |
| 327 | Earth connection (sender earth), in engine compartment wiring harness |
| B369 | Connection 1 (5V), in main wiring harness |
| D107 | Connection 5 in engine compartment wiring harness |
| * | Only models with start/stop system |
| *2 | Only models with manual gearbox |



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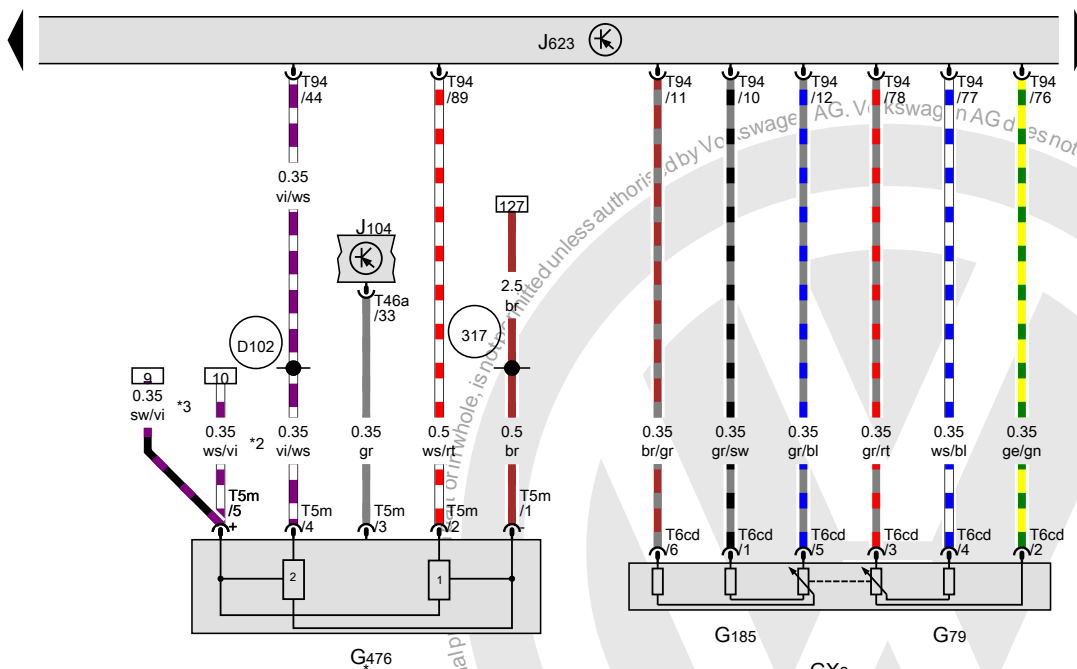
Accelerator pedal module, Clutch position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

317 Earth connection 7, in engine compartment wiring harness

D102 Connection 2 in engine compartment wiring harness

- * Only models with manual gearbox
- *2 Up to May 2014
- *3 From May 2014



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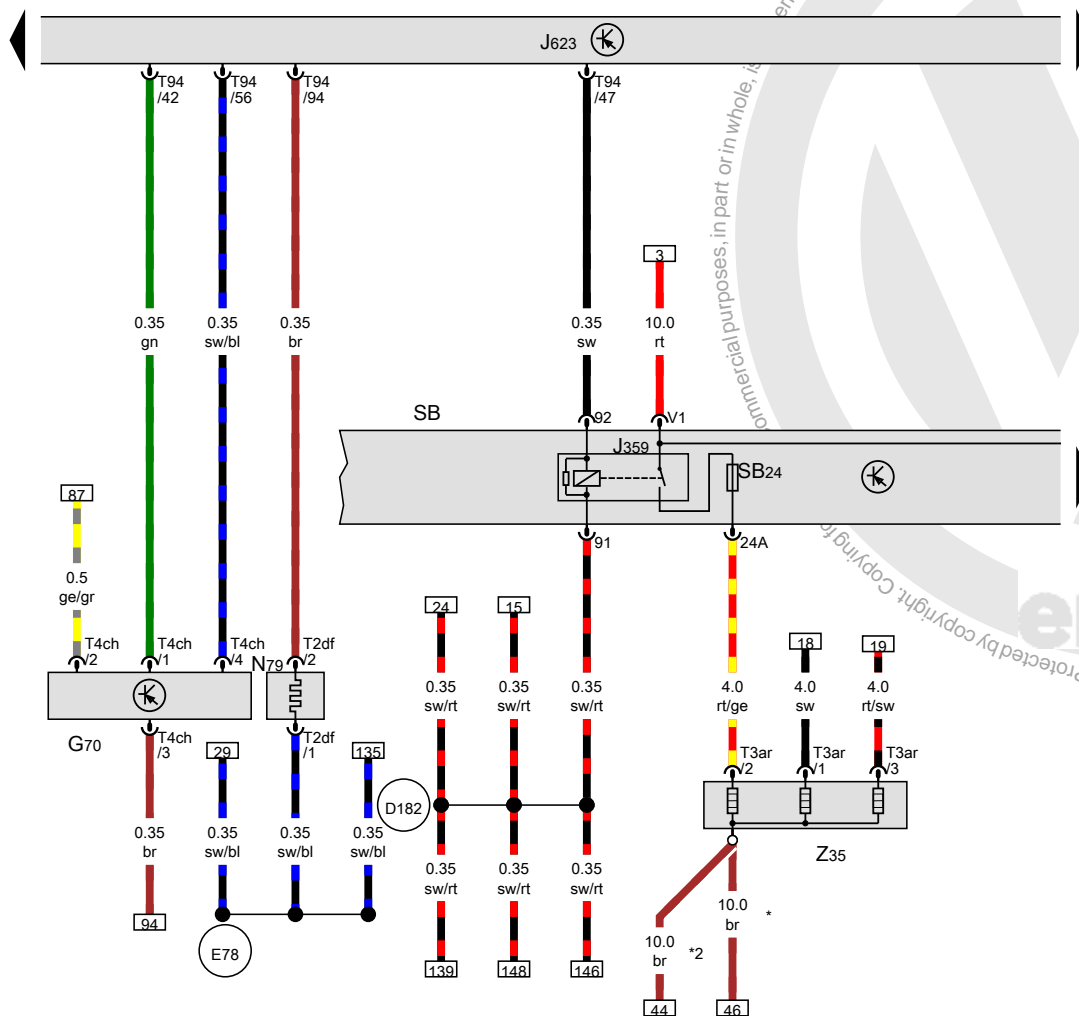
Air mass meter, Low heat output relay, Engine control unit, Heater element for crankcase breather, Auxiliary air heater element

- G70 Air mass meter
- J359 Low heat output relay
- J623 Engine control unit
- N79 Heater element for crankcase breather
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T3ar 3-pin connector
- T4ch 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

D182 Connection 3 (87a) in engine compartment wiring harness

E78 Connection 2 (87a) in engine wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models



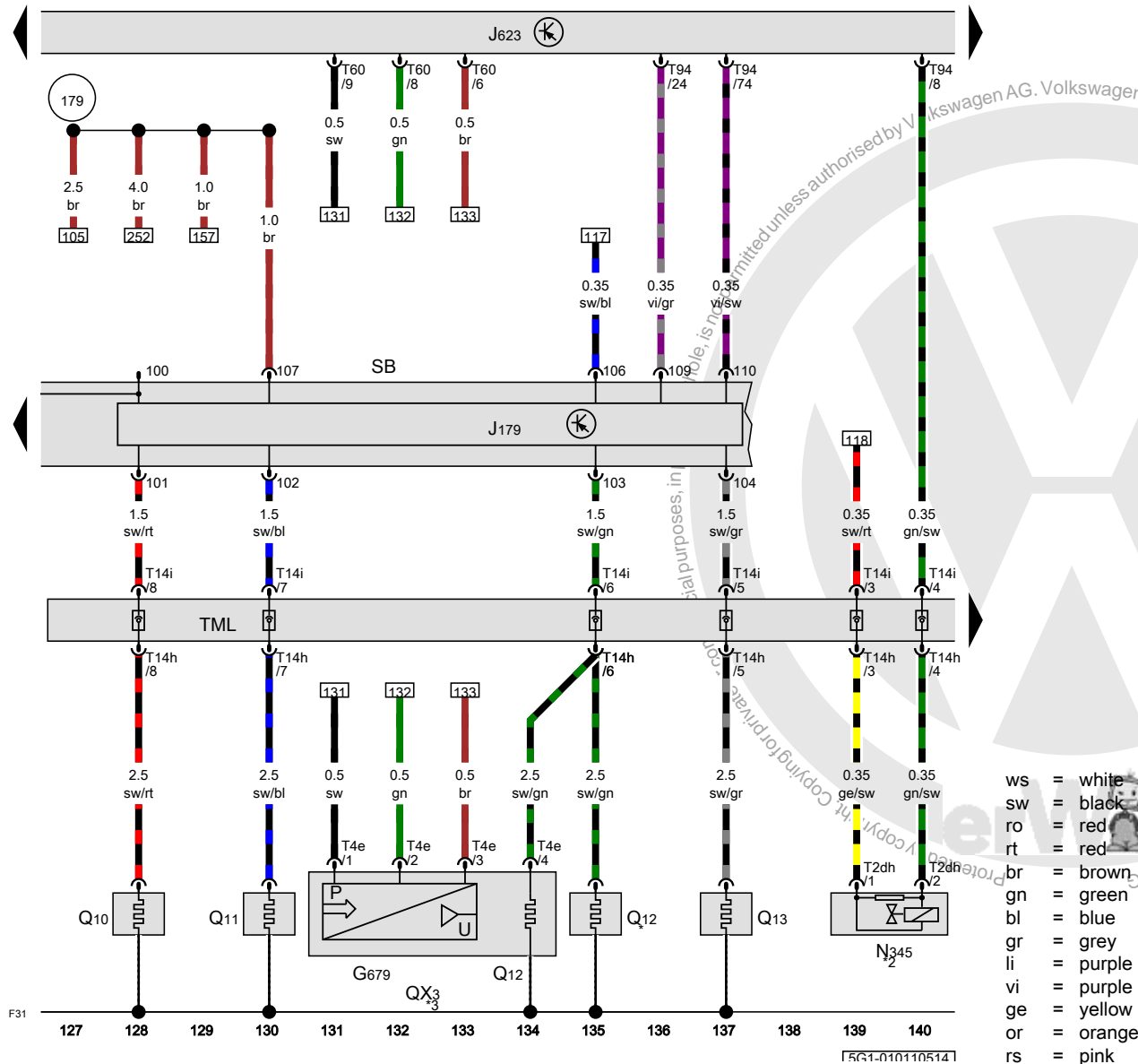
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Cylinder 3 combustion chamber pressure sender,
Automatic glow period control unit, Engine control unit,
Exhaust gas recirculation cooler changeover valve, Glow
plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- G679 Cylinder 3 combustion chamber pressure sender
- J179 Automatic glow period control unit
- J623 Engine control unit
- N345 Exhaust gas recirculation cooler changeover valve
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B, in E-box
- T2dh 2-pin connector
- T4e 4-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

179 Earth connection, in left headlight wiring harness

- * Not for models with Euro 6 plus emission standard
- *2 According to equipment
- *3 Only models with Euro 6 plus emission standard

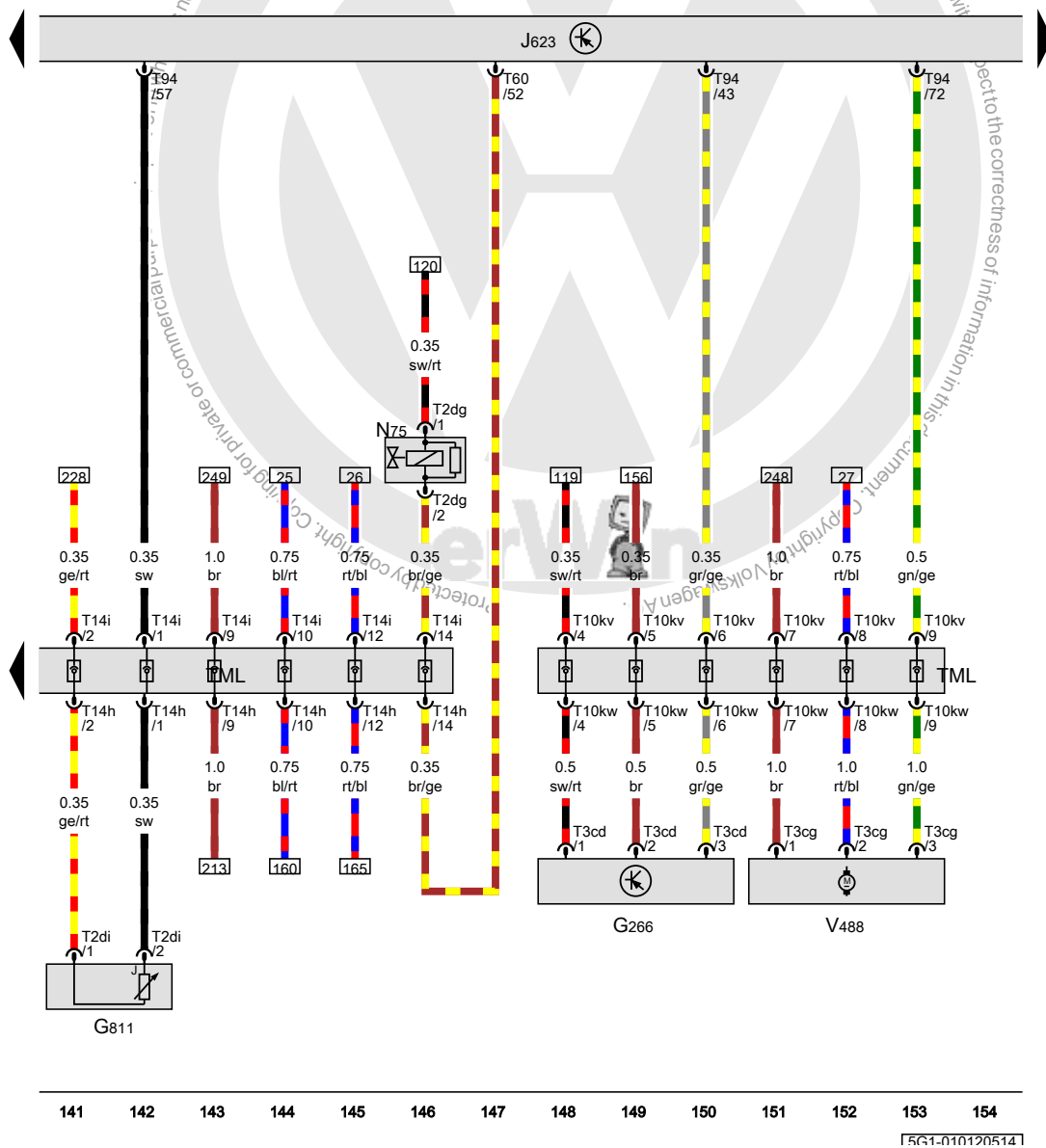


F31

[5G1-010110514]

Oil level and oil temperature sender, Charge air temperature sender after charge air cooler, Engine control unit, Charge pressure control solenoid valve, Auxiliary pump for heating

- G266 Oil level and oil temperature sender
- G811 Charge air temperature sender after charge air cooler
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- T2dg 2-pin connector
- T2di 2-pin connector
- T3cd 3-pin connector
- T3cg 3-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating



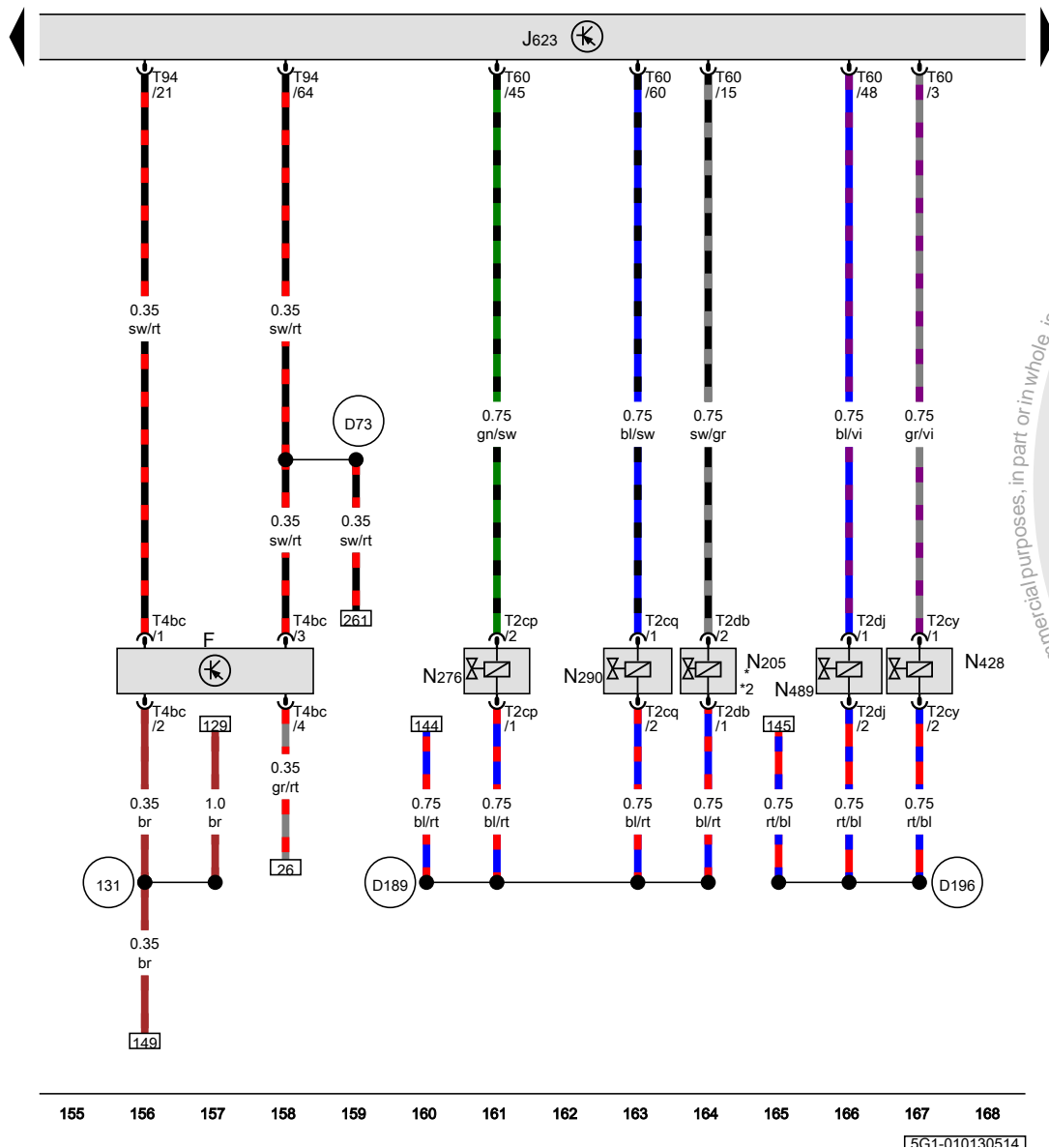
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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Brake light switch, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F Brake light switch
- J623 Engine control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T4bc 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

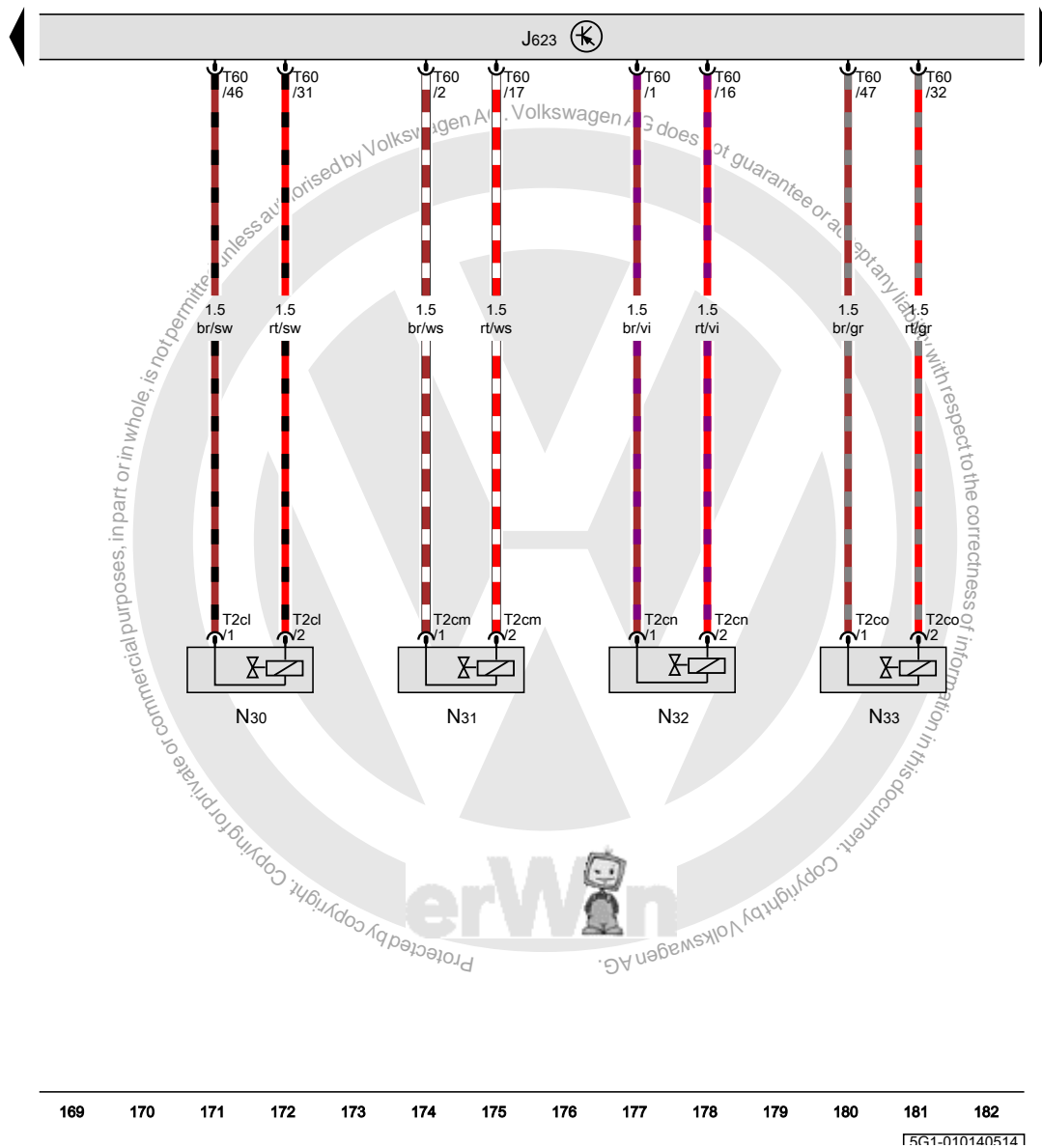
- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * Only models with Euro 6 plus emission standard
- *2 Only models with manual gearbox

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Engine control unit, Injector, cylinder 1, Injector, cylinder 2,
Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector

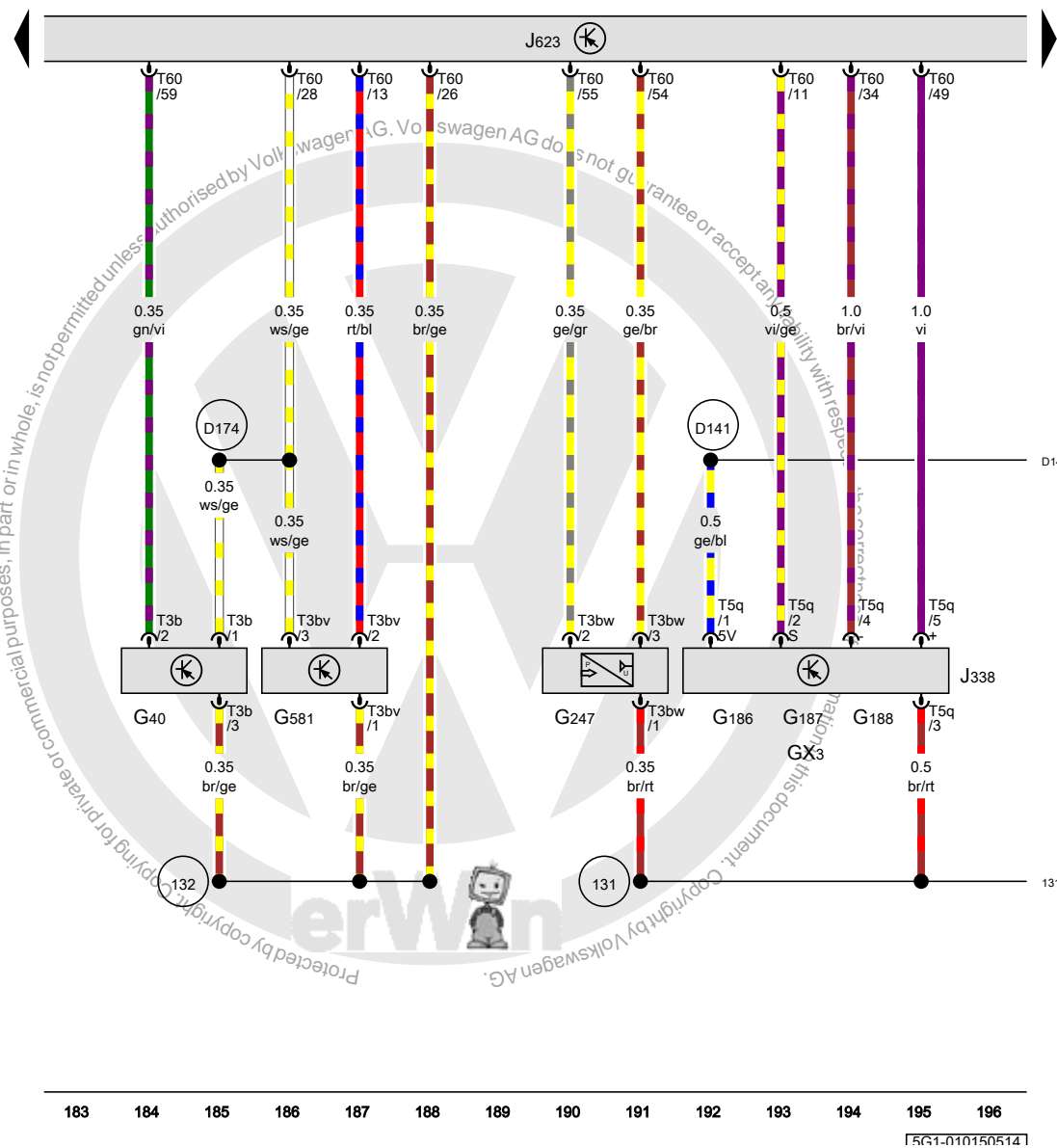


- ws = white
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Throttle valve module, Hall sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit

- GX3 Throttle valve module
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3bv 3-pin connector
- T3bw 3-pin connector
- T5q 5-pin connector
- T60 60-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness



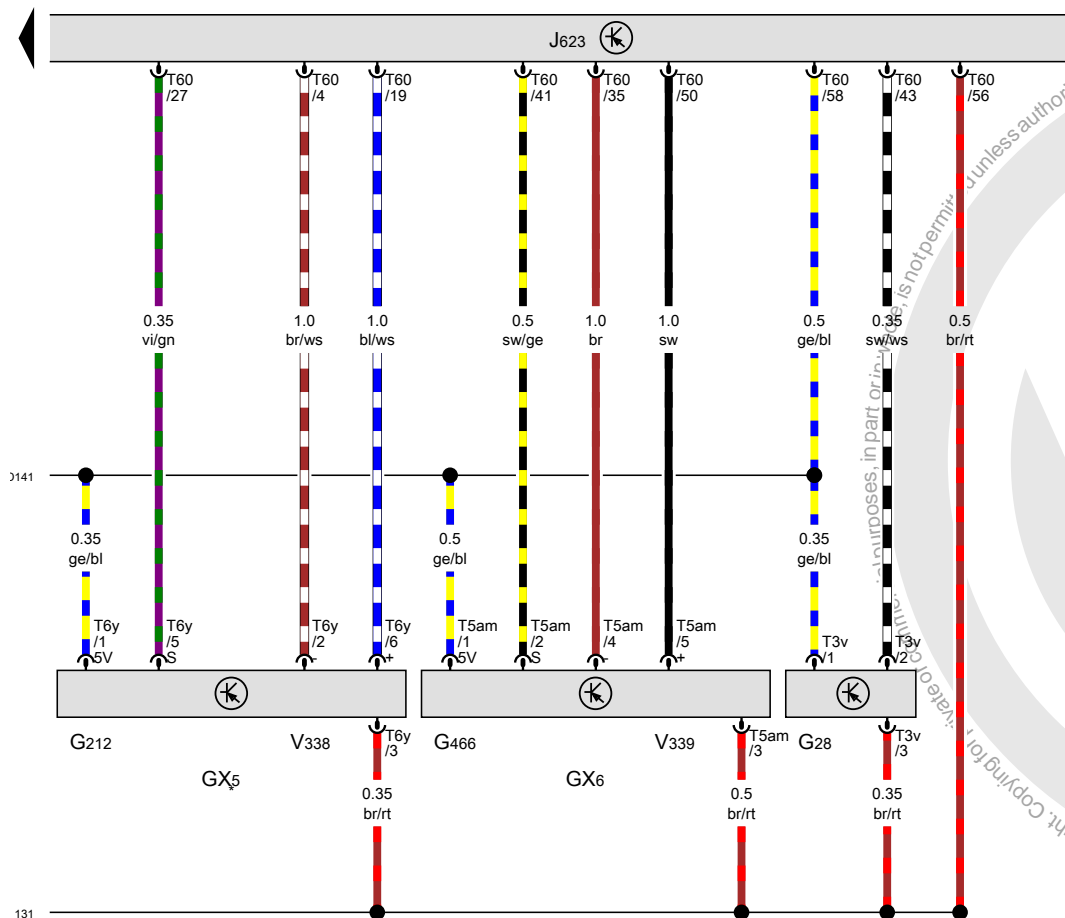
Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine control unit
- T3v 3-pin connector
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

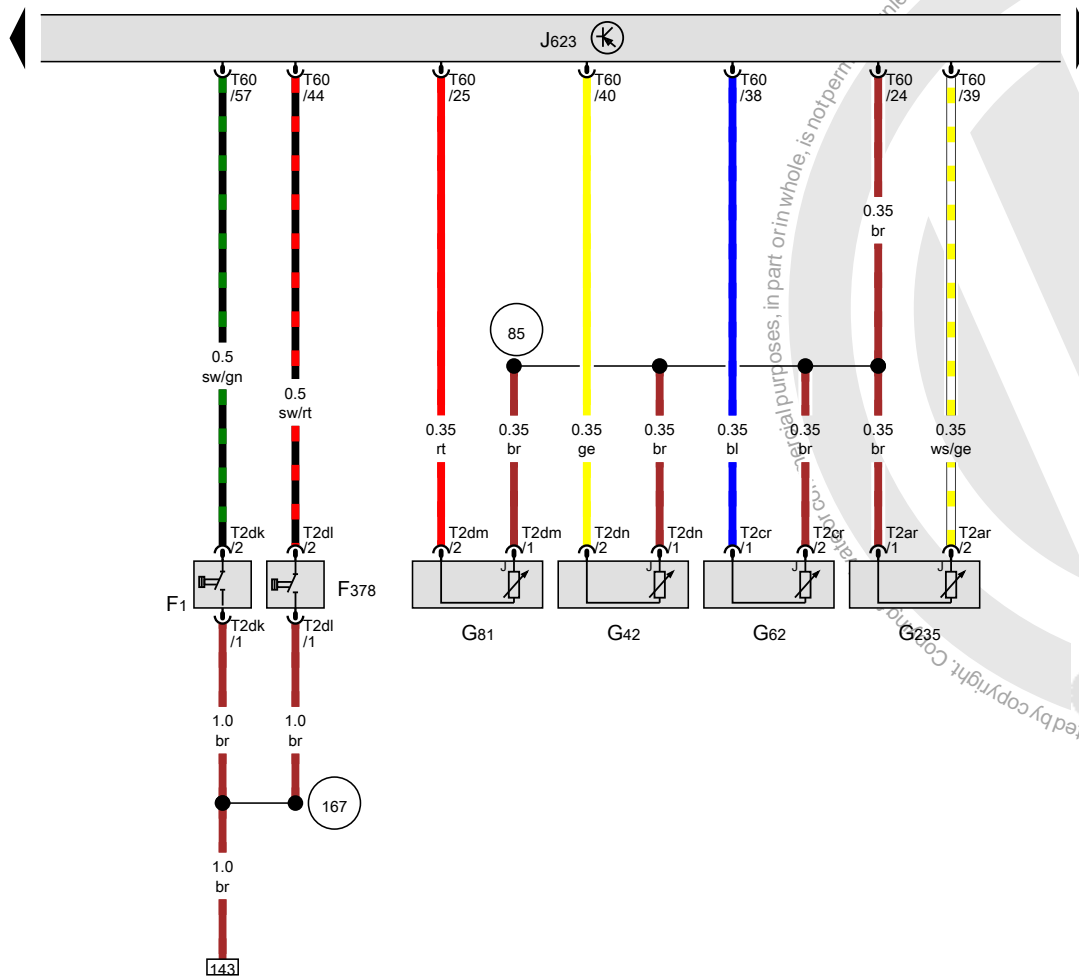
* According to equipment



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Oil pressure switch, Oil pressure switch for reduced oil pressure, Intake air temperature sender, Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Engine control unit

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- J623 Engine control unit
- T2ar 2-pin connector
- T2cr 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector
- 85 Earth connection 1, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness

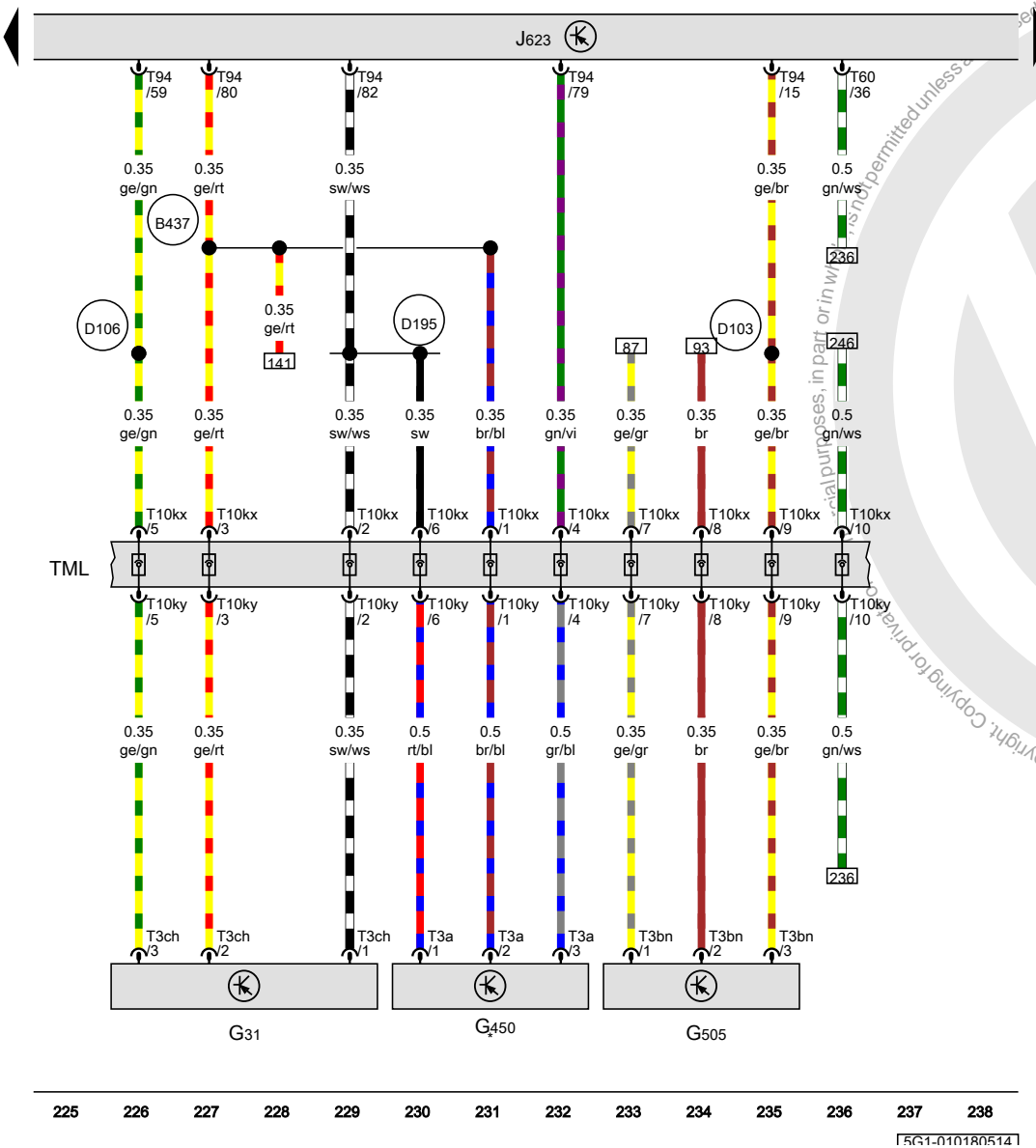


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Charge pressure sender, Pressure differential sender, Engine control unit

- G31 Charge pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine control unit
- T3a 3-pin connector
- T3bn 3-pin connector
- T3ch 3-pin connector
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * According to equipment



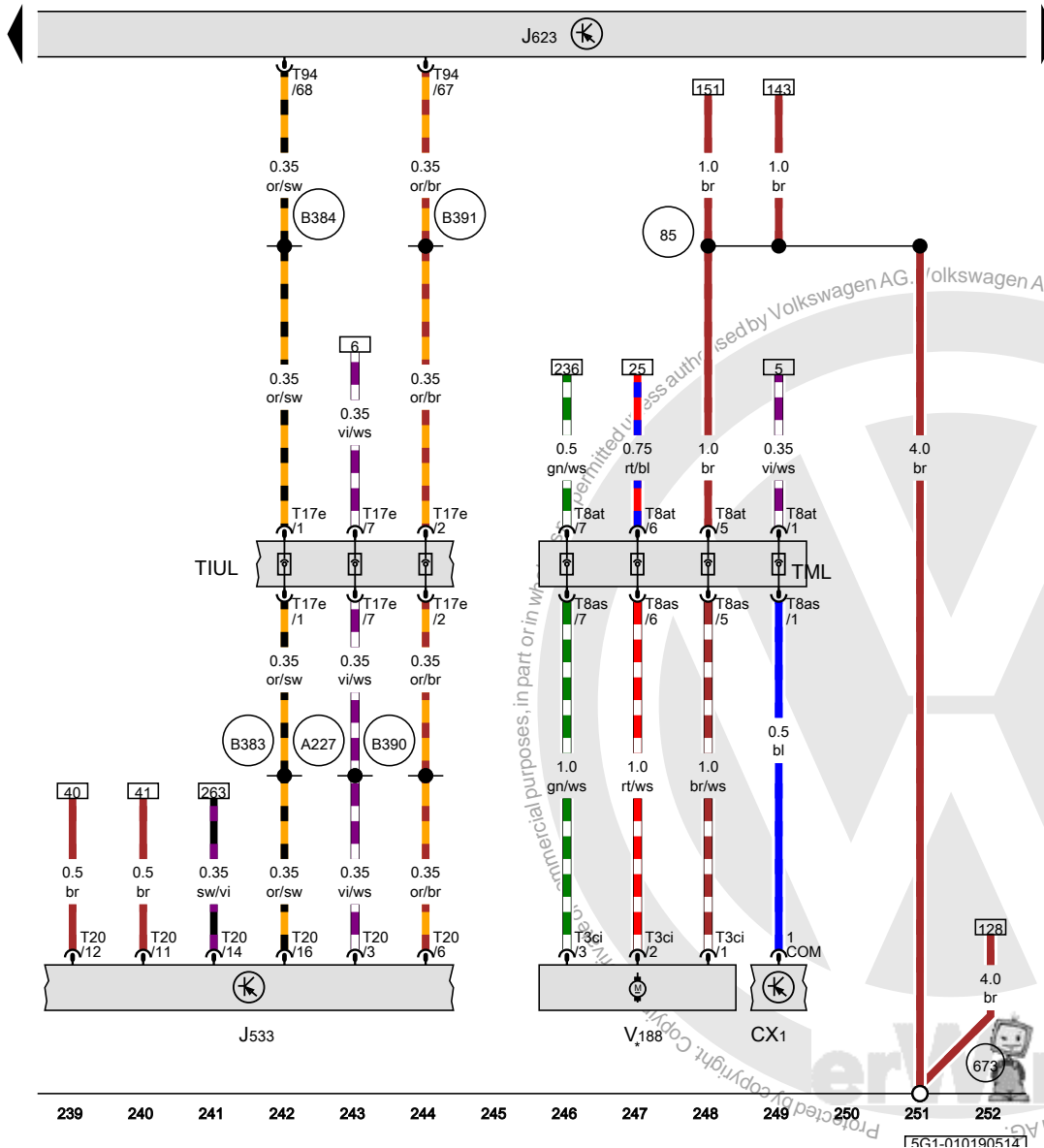
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- gr = grey
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Alternator with voltage regulator, Data bus diagnostic interface, Engine control unit, Charge air cooling pump

- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T3ci 3-pin connector
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump

- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

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- bl = blue
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Steering column electronics control unit, Fuel pump control unit, Engine control unit

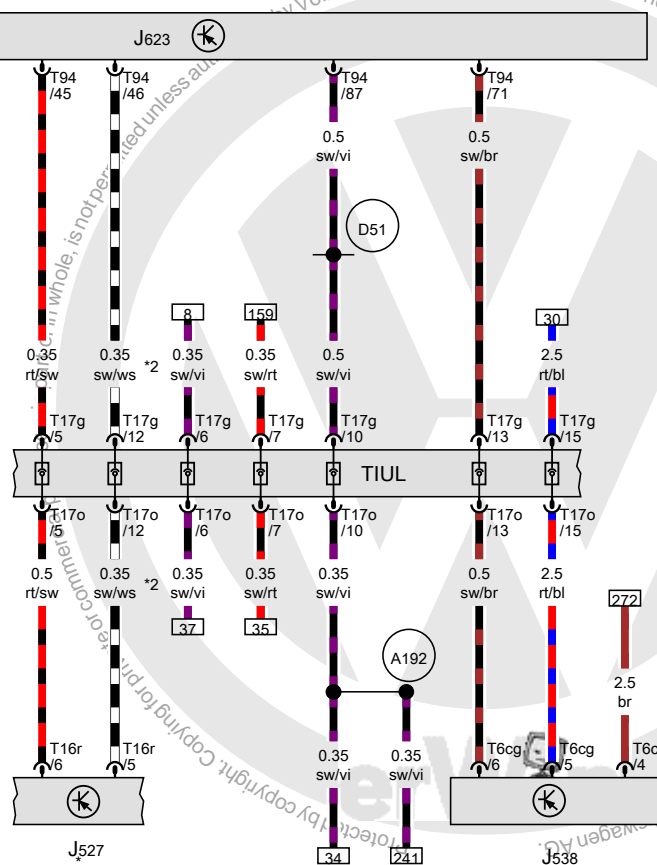
- J527 Steering column electronics control unit
- J538 Fuel pump control unit
- J623 Engine control unit
- T6cg 6-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

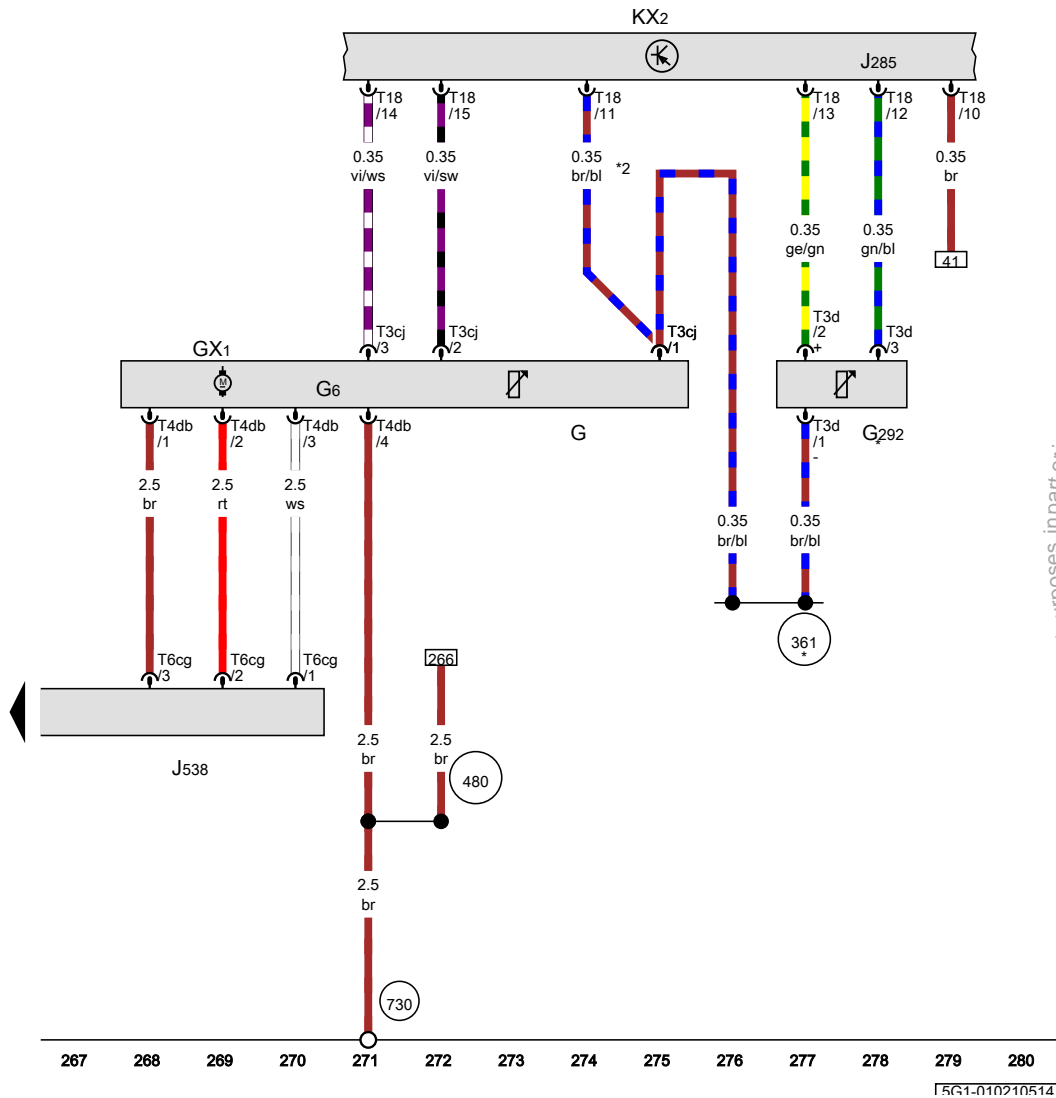
* see applicable current flow diagram

*2 Only models with cruise control system (CCS)



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Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert



- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T6cg 6-pin connector
- T18 18-pin connector

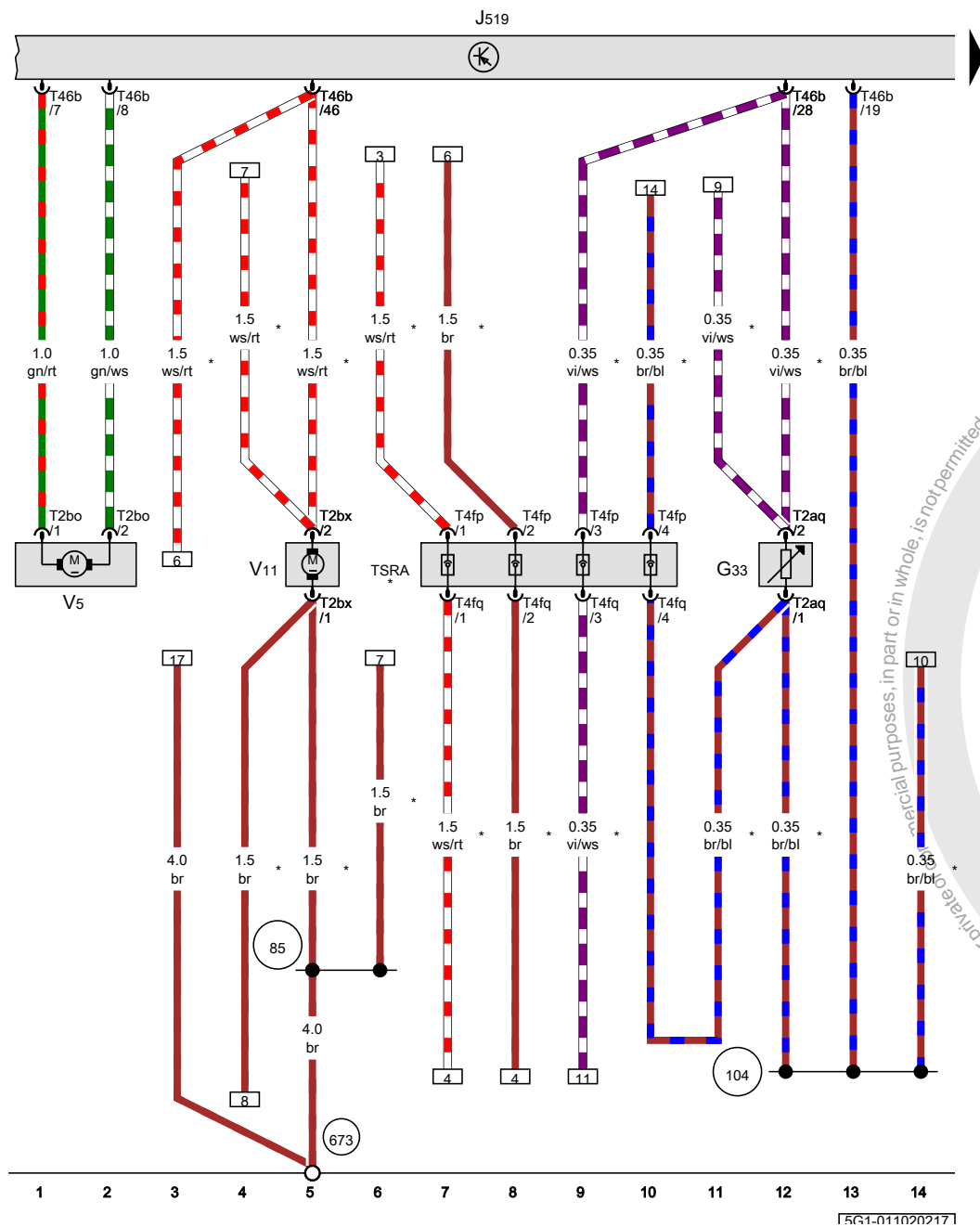
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- * Only models with all-wheel drive
- *2 Only models with no all-wheel drive

Window wash/wipe system, heated washer jets, headlight washer system, (8N4),(8N6),(8X1),(9T1)

From August 2012

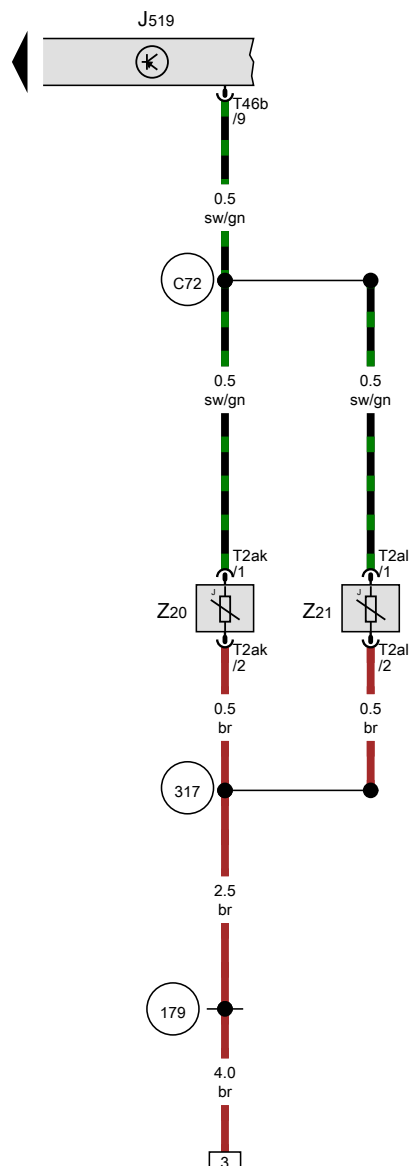


Windscreen washer fluid level sender, Onboard supply control unit, Washer pump, Headlight washer system pump



- G33 Windscreen washer fluid level sender
- J519 Onboard supply control unit
- T2aq 2-pin connector, black
- T2bo 2-pin connector, black
- T2bx 2-pin connector, black
- T4fp 4-pin connector, black
- T4fq 4-pin connector, black
- T46b 46-pin connector, black
- TSRA Coupling point for headlight washer system, on front right longitudinal member
- V5 Washer pump
- V11 Headlight washer system pump
- 85 Earth connection 1, in engine compartment wiring harness
- 104 Earth connection in front right wiring harness - sensor earth -
- 673 Earth point 3, on front of left longitudinal member
- * According to equipment

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Onboard supply control unit, Left washer jet heater element,
Right washer jet heater element

- J519 Onboard supply control unit
- T2ak 2-pin connector, black
- T2al 2-pin connector, black
- T46b 46-pin connector, black
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

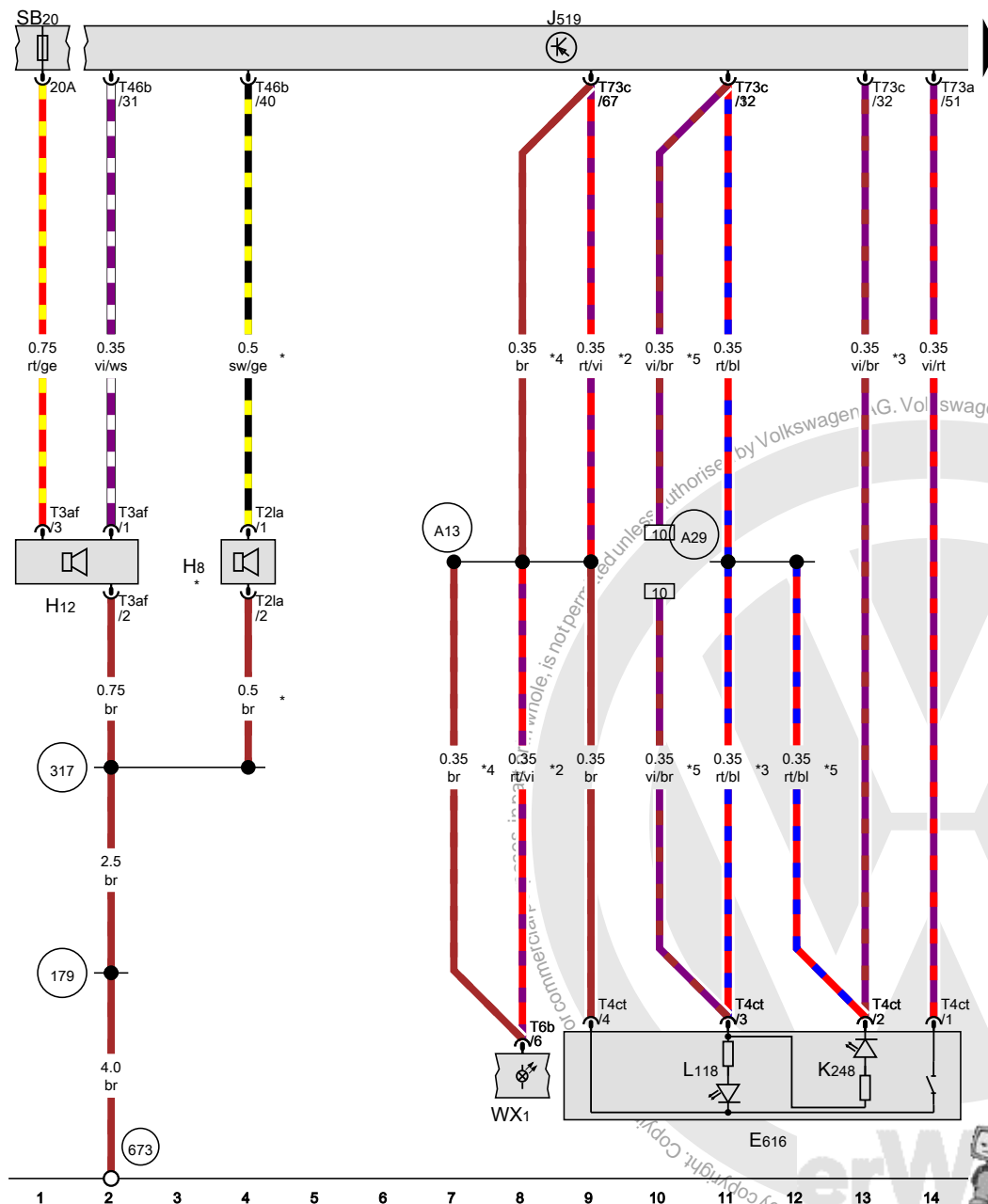
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- C72 Positive connection in heated washer jet wiring harness

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Anti-theft alarm system, interior monitor , (7AL),(7AS),(7AG)

From August 2012





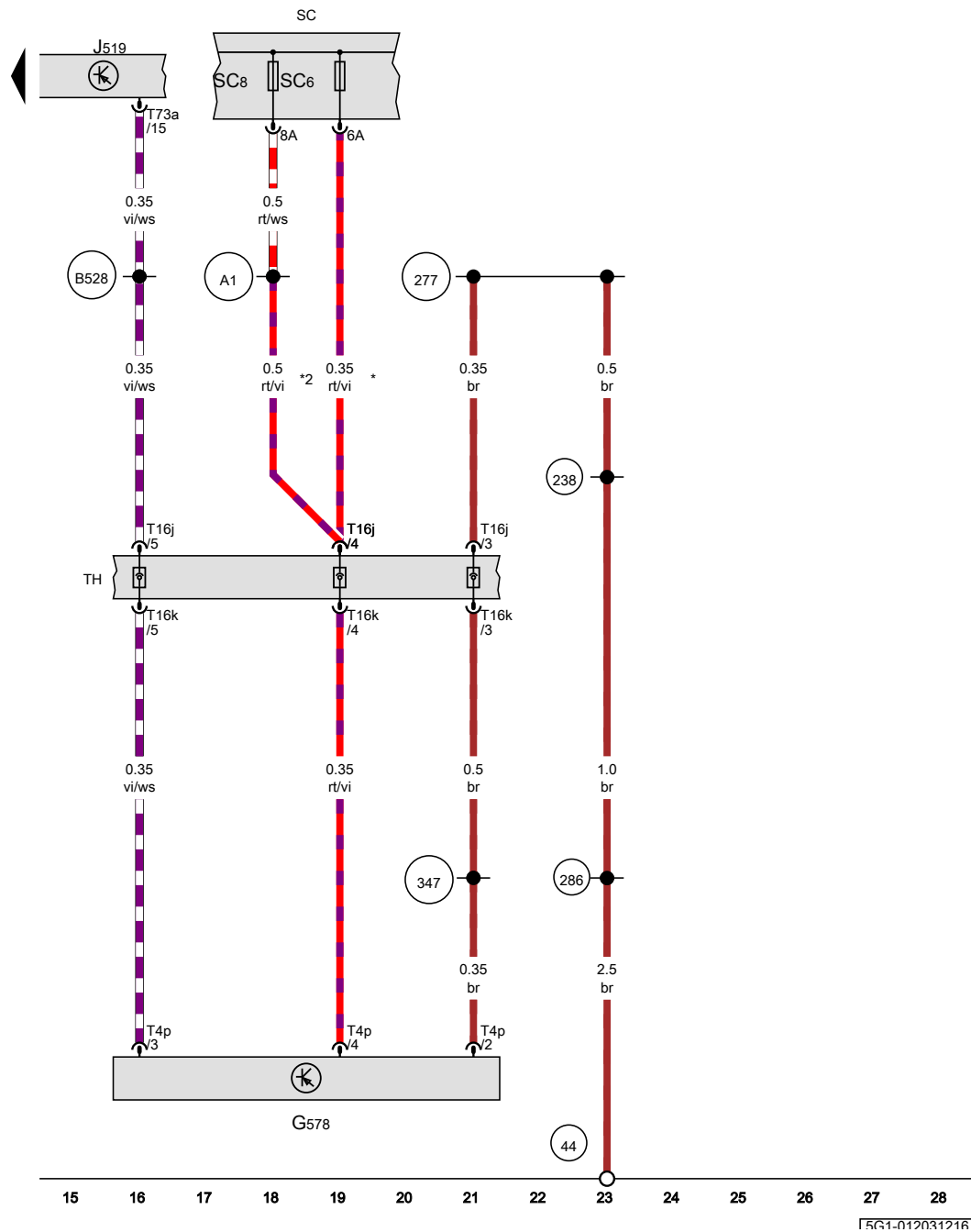
Button for deactivating interior monitoring and vehicle inclination sensor, Alarm horn, Onboard supply control unit, Warning lamp for deactivation of interior monitoring and vehicle inclination, Deactivation of interior monitoring system switch illumination bulb, Front interior light

- E616 Button for deactivating interior monitoring and vehicle inclination sensor
- H8 Anti-theft alarm system horn
- H12 Alarm horn
- J519 Onboard supply control unit
- K248 Warning lamp for deactivation of interior monitoring and vehicle inclination
- L118 Deactivation of interior monitoring system switch illumination bulb
- SB20 Fuse 20 on fuse holder B
- T2la 2-pin connector, black
- T3af 3-pin connector
- T4ct 4-pin connector
- T6b 6-pin connector
- T46b 46-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- WX1 Front interior light

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A13 Connection (door contact switch), in dash panel wiring harness
- A29 Connection (interior light), in dash panel wiring harness

- * Only for American markets
- *2 Up to November 2013
- *3 Up to May 2014
- *4 From November 2013
- *5 From May 2014

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Anti-theft alarm sensor, Onboard supply control unit, Fuse holder C

- G578 Anti-theft alarm sensor
- J519 Onboard supply control unit
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- T4p 4-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T73a 73-pin connector
- TH Coupling point for roof

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 347 Earth connection, in roof wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- * Up to November 2015
- *2 From November 2015

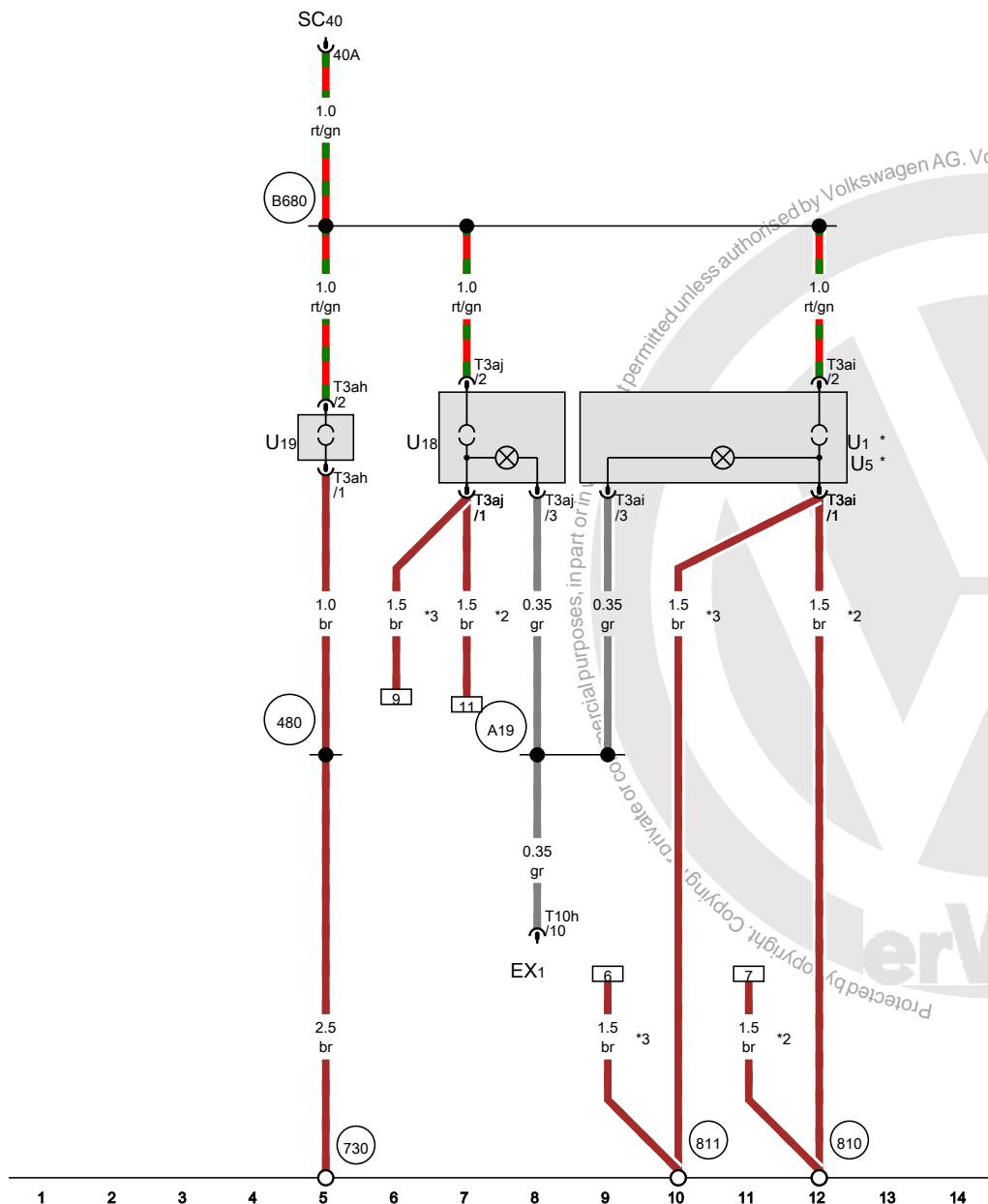
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12 V sockets

From August 2012



Rotary light switch, Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3



- EX1 Rotary light switch
- SC40 Fuse 40 on fuse holder C
- T3ah 3-pin connector
- T3ai 3-pin connector
- T3aj 3-pin connector
- T10h 10-pin connector
- U1 Cigarette lighter, in front centre console
- U5 12 V socket, in front centre console
- U18 12 V socket 2, in rear centre console
- U19 12 V socket 3, in luggage compartment
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- * According to equipment
- *2 Only left-hand drive models
- *3 Only right-hand drive models

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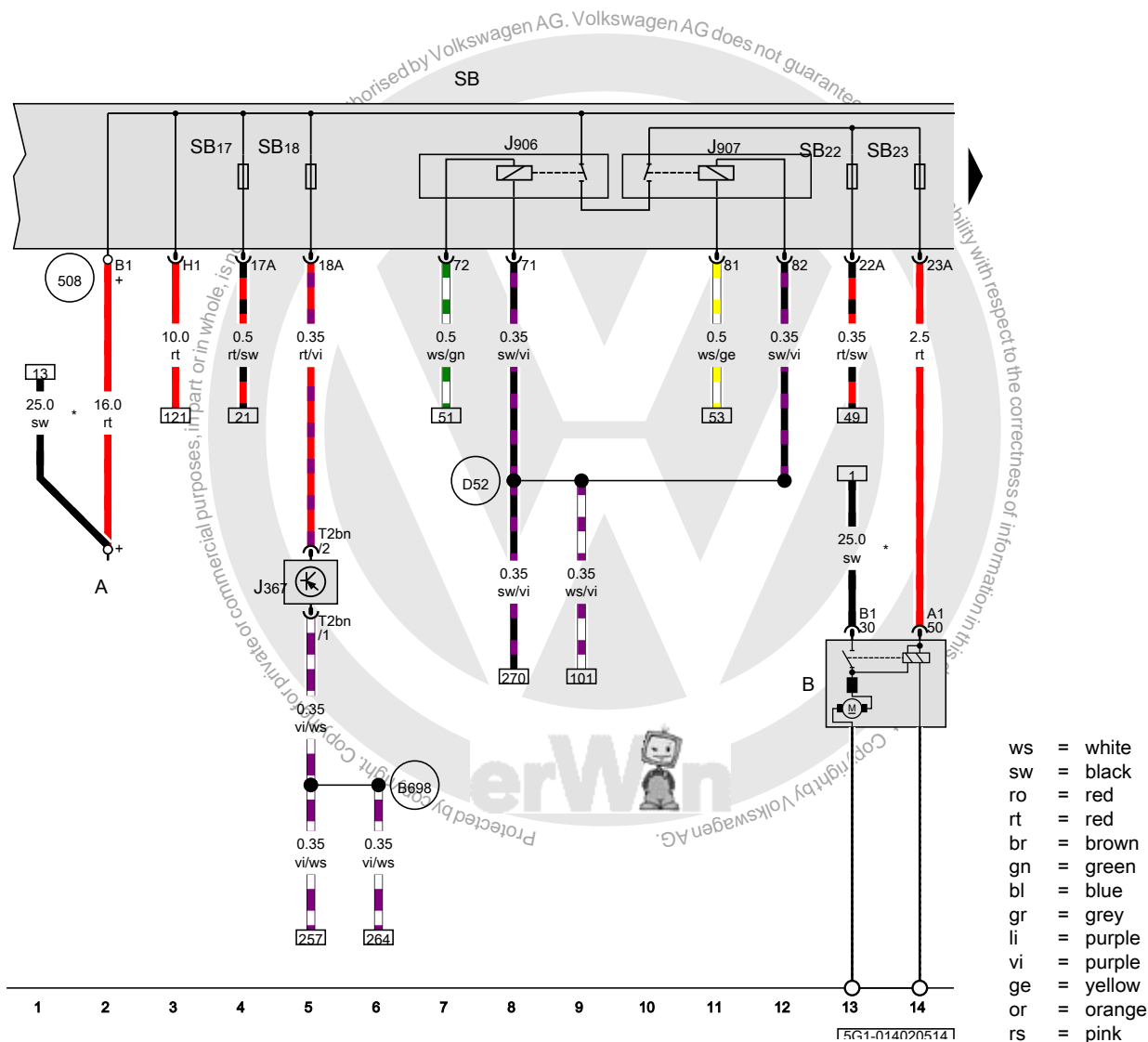
2.0l diesel engine , CRBC,CRLB,CRVA,CUNA

From August 2012



Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible

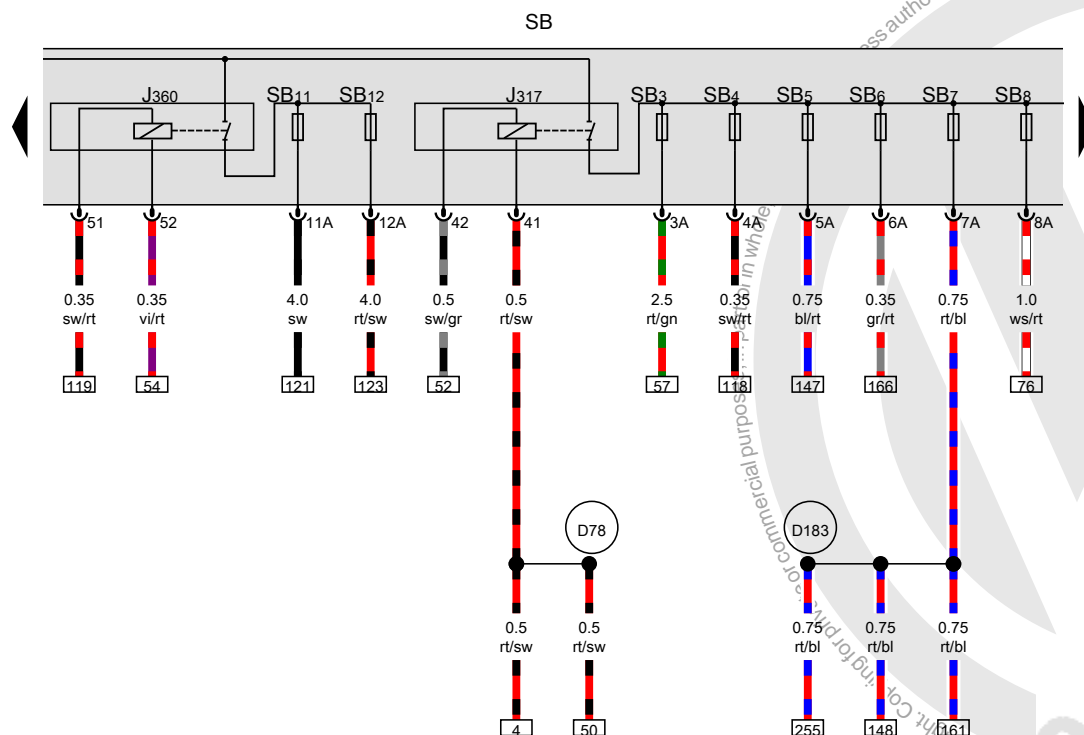


Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B

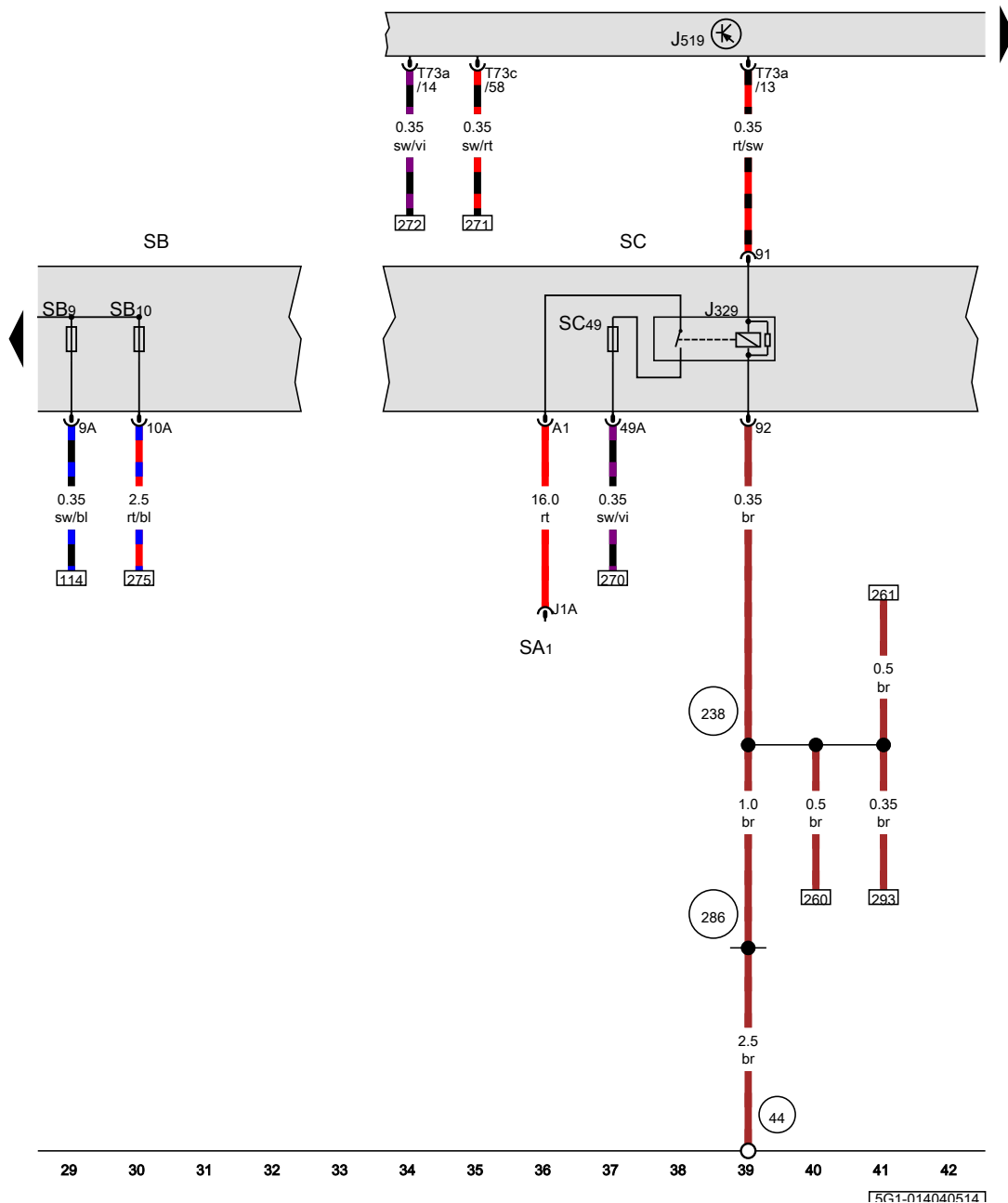
D78 Positive connection 1 (30a), in engine compartment wiring harness

D183 Connection 4 (87a) in engine compartment wiring harness



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- vi = purple
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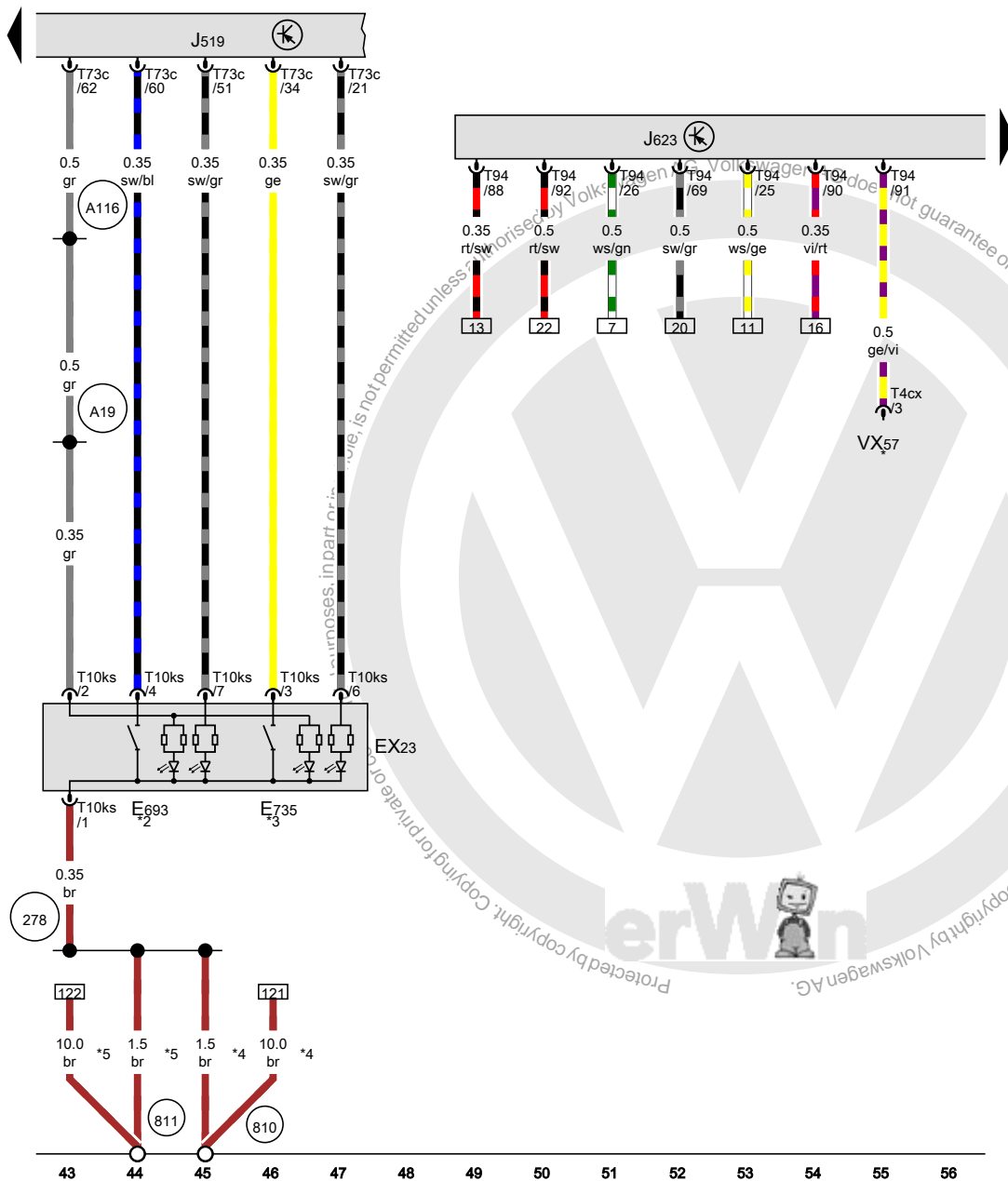
Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness

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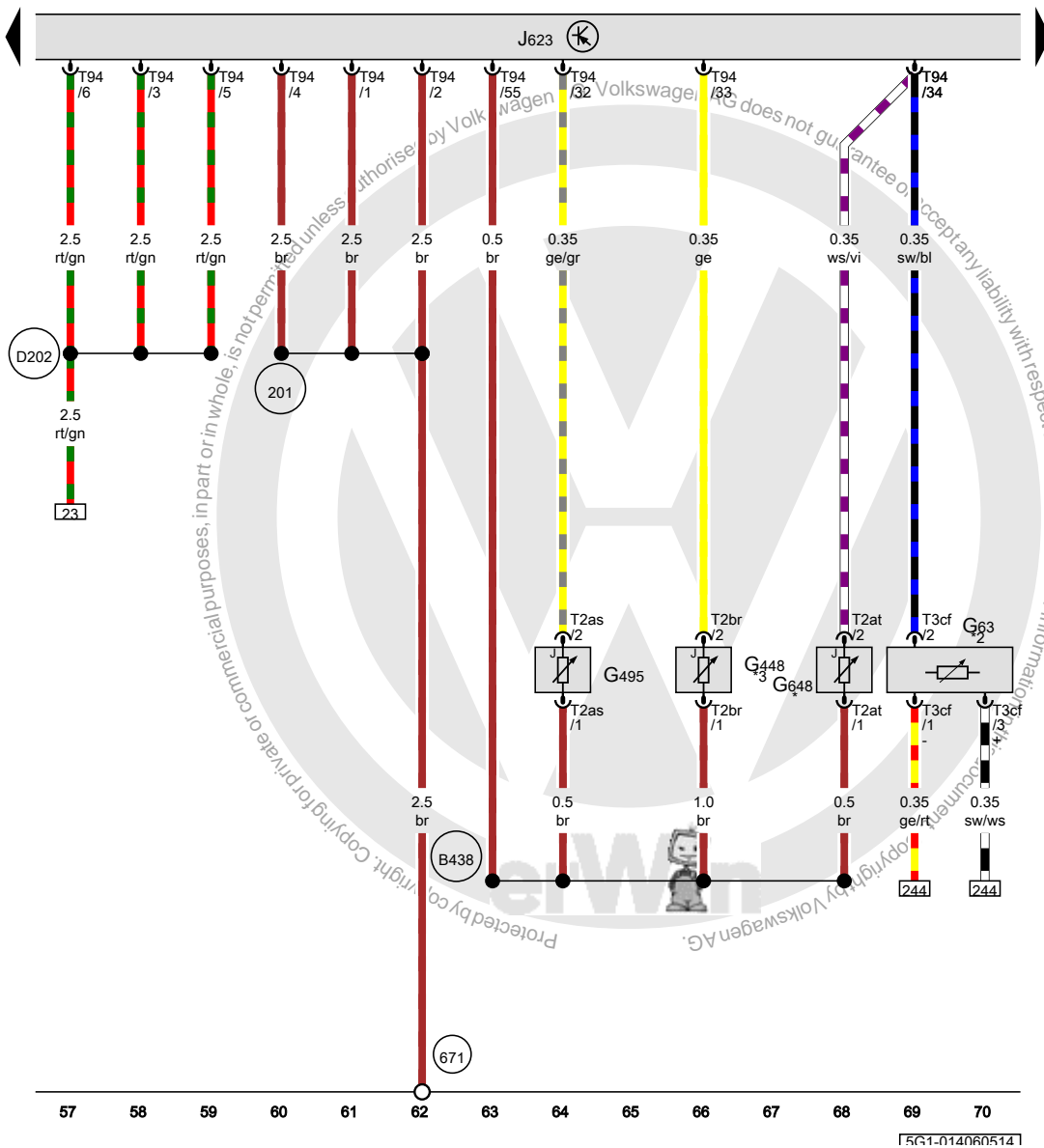
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Switch module 1 in centre console, Onboard supply control unit, Engine control unit, Radiator fan

EX23 Switch module 1 in centre console
 E693 Start/Stop operation button
 E735 Driving mode selection button
 J519 Onboard supply control unit
 J623 Engine control unit
 T4cx 4-pin connector
 T10ks 10-pin connector
 T73c 73-pin connector
 T94 94-pin connector
 VX57 Radiator fan

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Pre-wired component
- *2 Only models with start/stop system
- *3 According to equipment
- *4 Only left-hand drive models
- *5 Only right-hand drive models



Water separator sender, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G63 Water separator sender
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2as 2-pin connector
- T2at 2-pin connector
- T2br 2-pin connector
- T3cf 3-pin connector
- T94 94-pin connector

201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

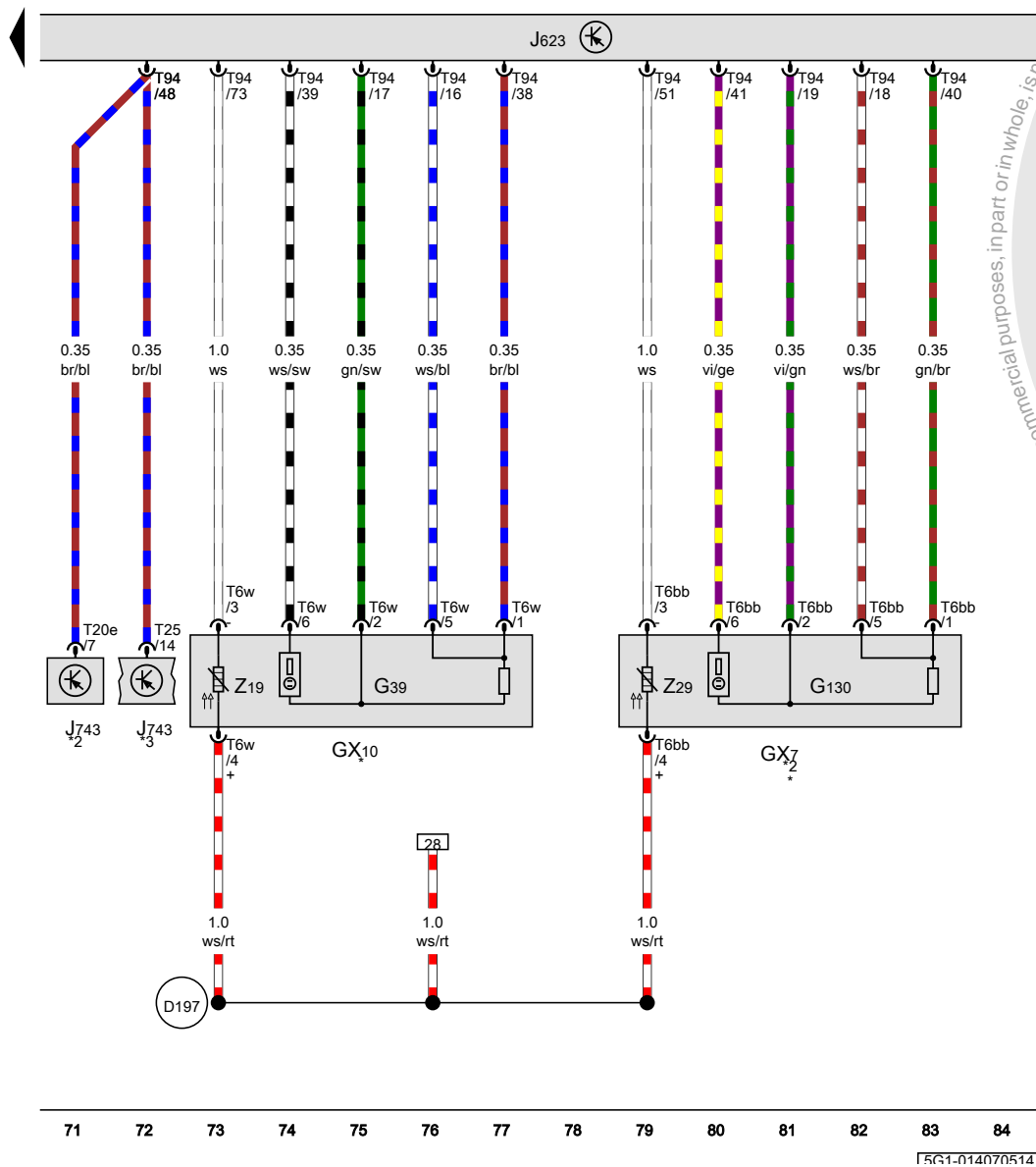
B438 Connection 2 (GND (earth)), in main wiring harness

D202 Connection 6 (87a) in engine compartment wiring harness

- * Not for models with Euro 4 emission standard
- *2 Only models with Euro 4 emission standard
- *3 Only models with Euro 6 plus emission standard

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit, Mechatronic unit for dual clutch gearbox

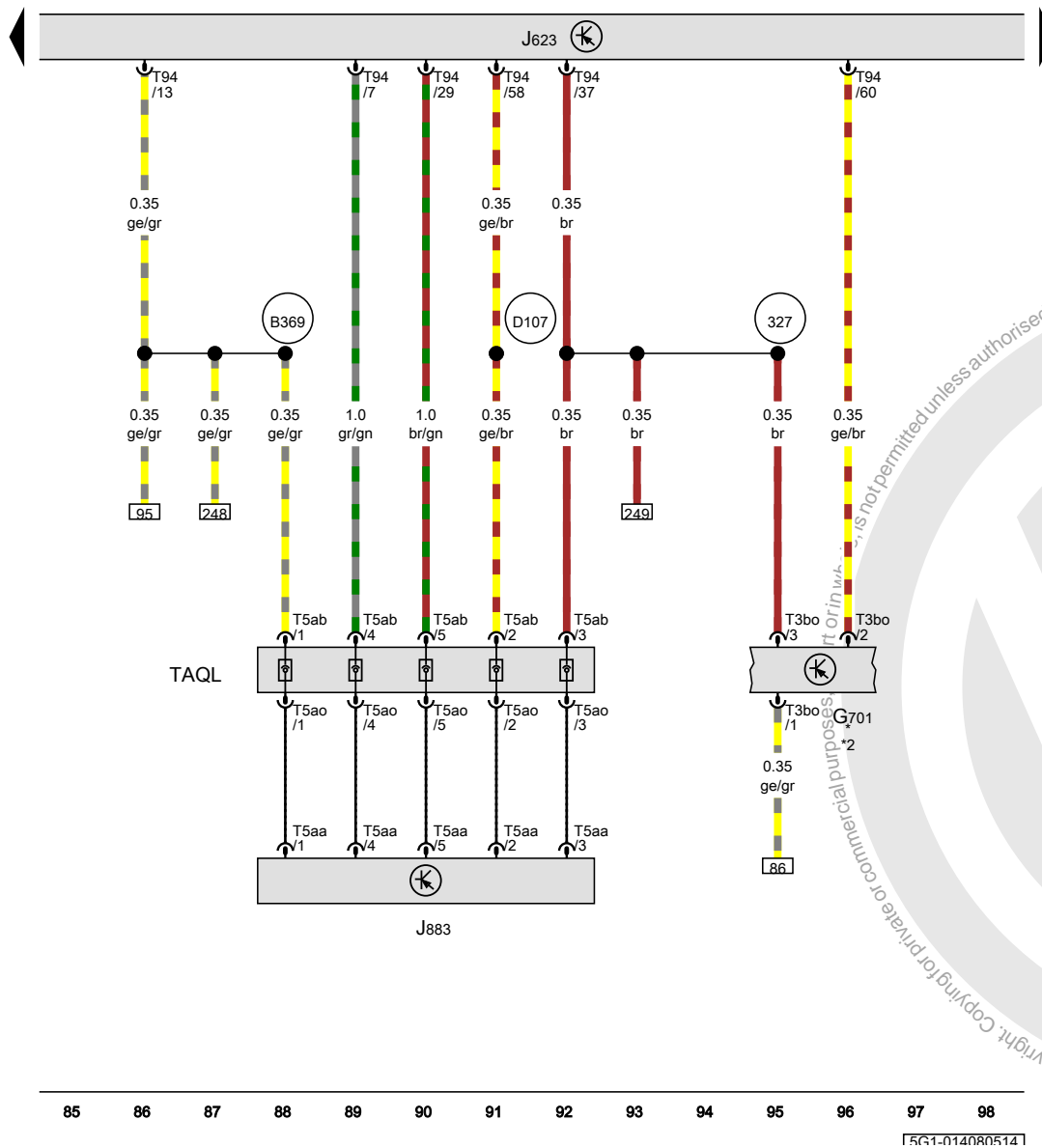
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector
- T6w 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment
- *3 see applicable current flow diagram for gearbox



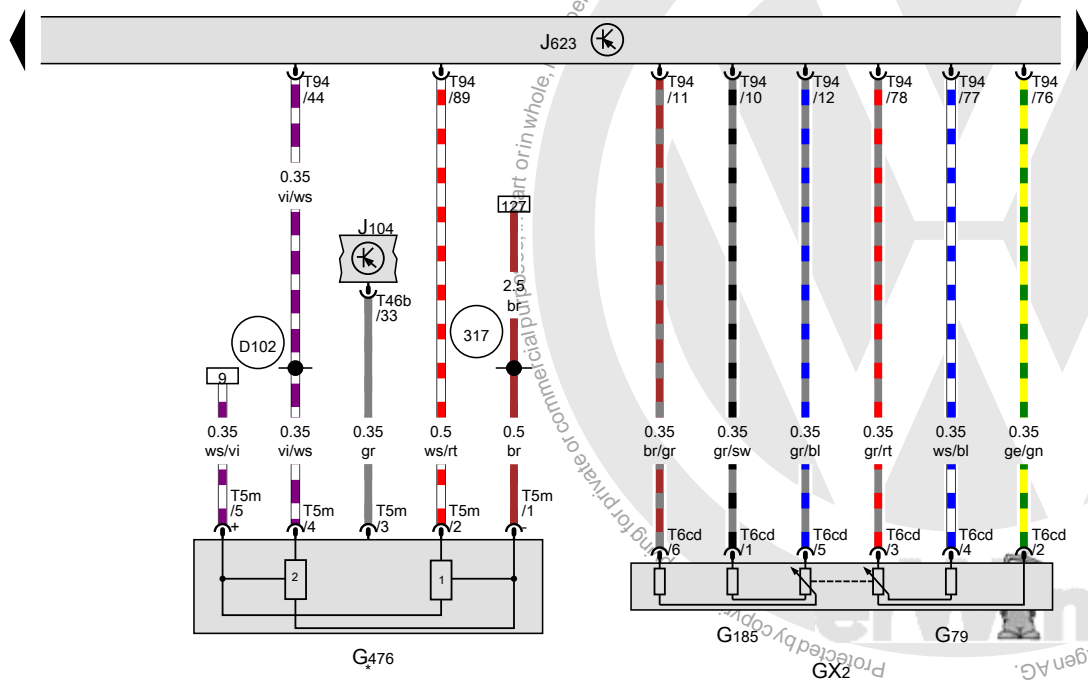
ws = white
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Gearbox neutral position sender, Engine control unit, Exhaust flap control unit

- G701 Gearbox neutral position sender
- J623 Engine control unit
- J883 Exhaust flap control unit
- T3bo 3-pin connector
- T5aa 5-pin connector
- T5ab 5-pin connector, brown
- T5ao 5-pin connector
- T94 94-pin connector
- TAQL Coupling point on rear cross member, left
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B369 Connection 1 (5V), in main wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Only models with start/stop system
- *2 Only models with manual gearbox



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Accelerator pedal module, Clutch position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T5m 5-pin connector
- T6cd 6-pin connector
- T46b 46-pin connector
- T94 94-pin connector

- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox

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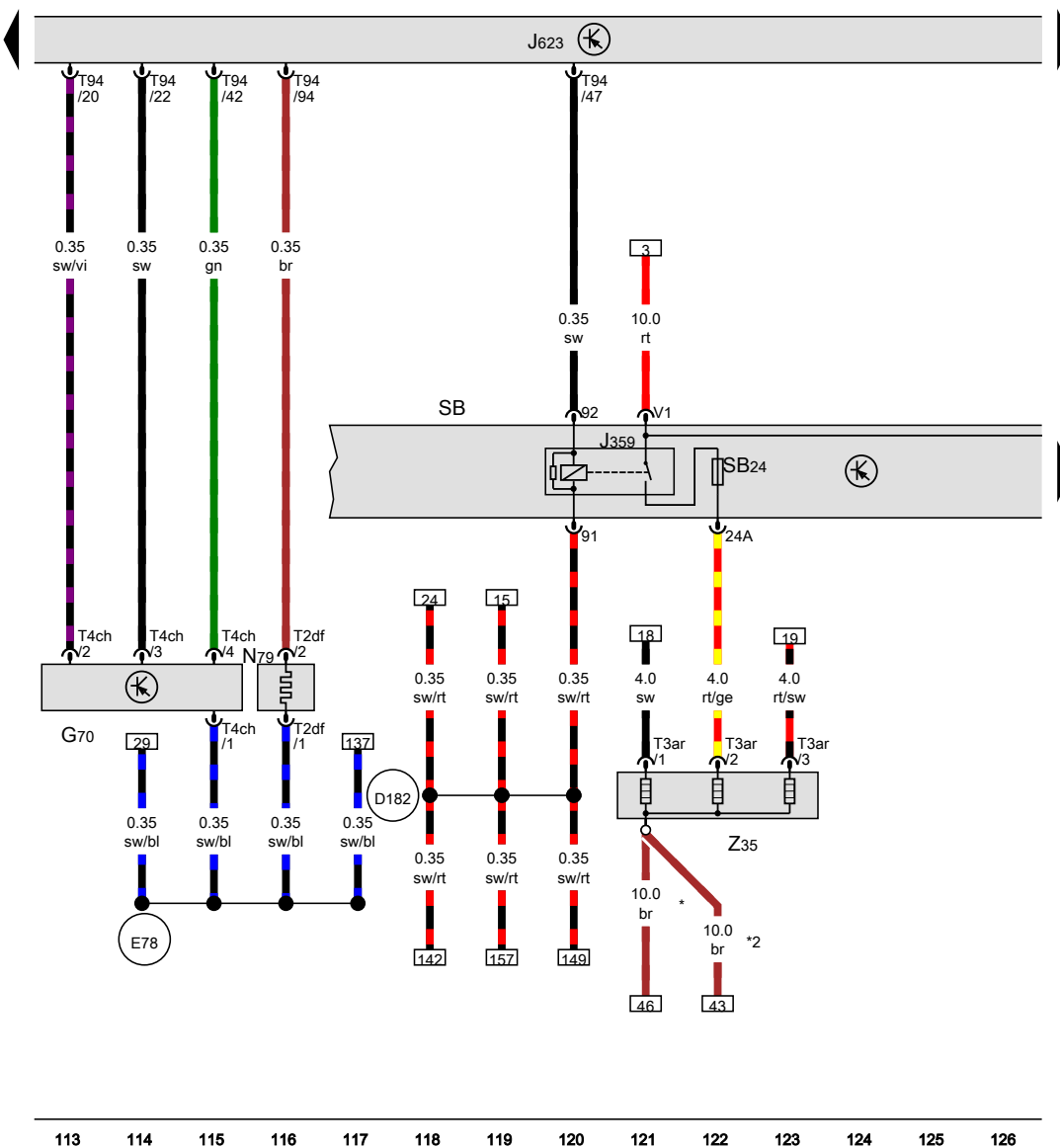
Air mass meter, Low heat output relay, Engine control unit, Heater element for crankcase breather, Fuse holder B, Auxiliary air heater element

- G70 Air mass meter
- J359 Low heat output relay
- J623 Engine control unit
- N79 Heater element for crankcase breather
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T3ar 3-pin connector
- T4ch 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

D182 Connection 3 (87a) in engine compartment wiring harness

E78 Connection 2 (87a) in engine wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models



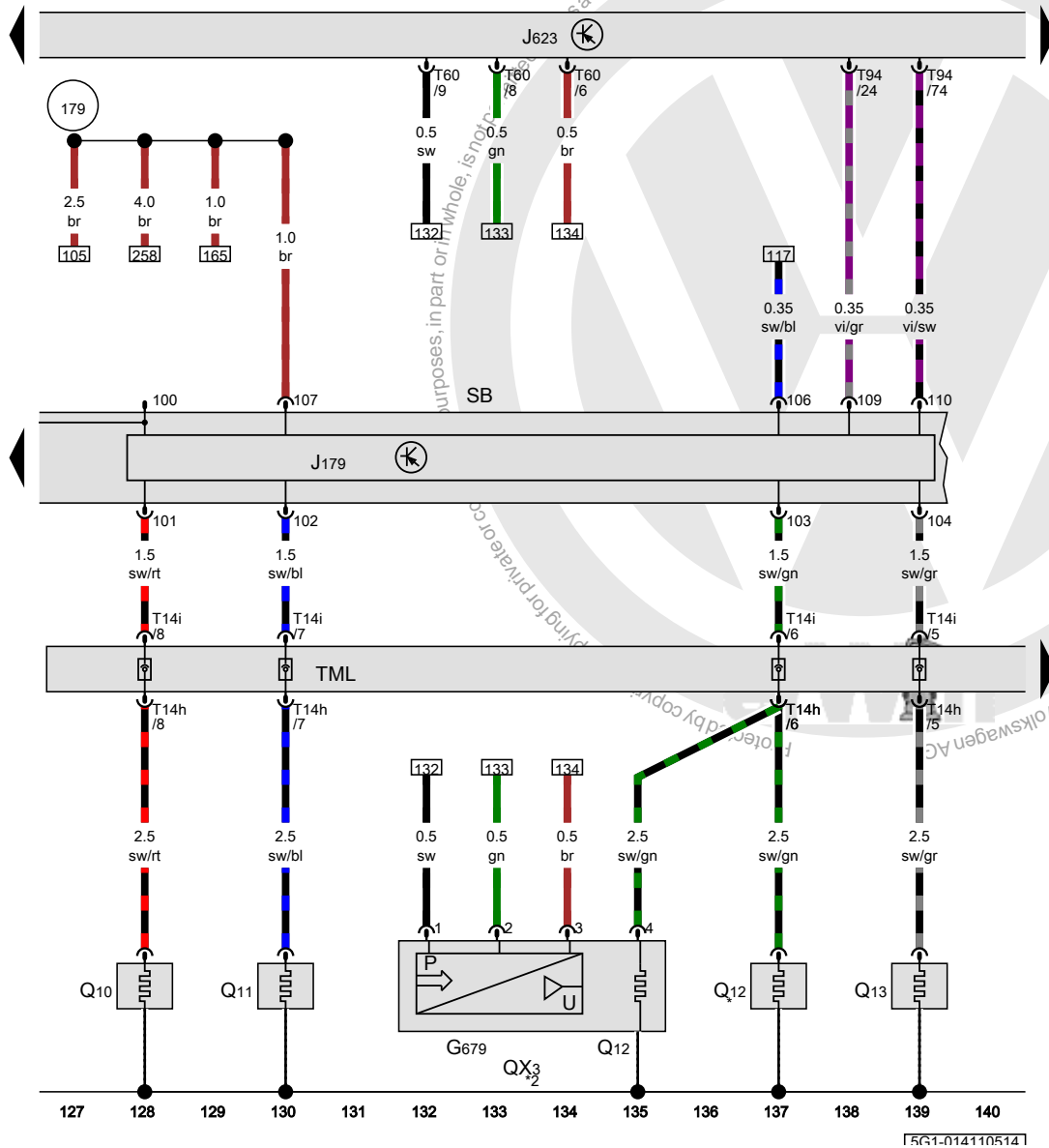
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Cylinder 3 combustion chamber pressure sender, Automatic glow period control unit, Engine control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B

- G679 Cylinder 3 combustion chamber pressure sender
- J179 Automatic glow period control unit
- J623 Engine control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B, in E-box
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

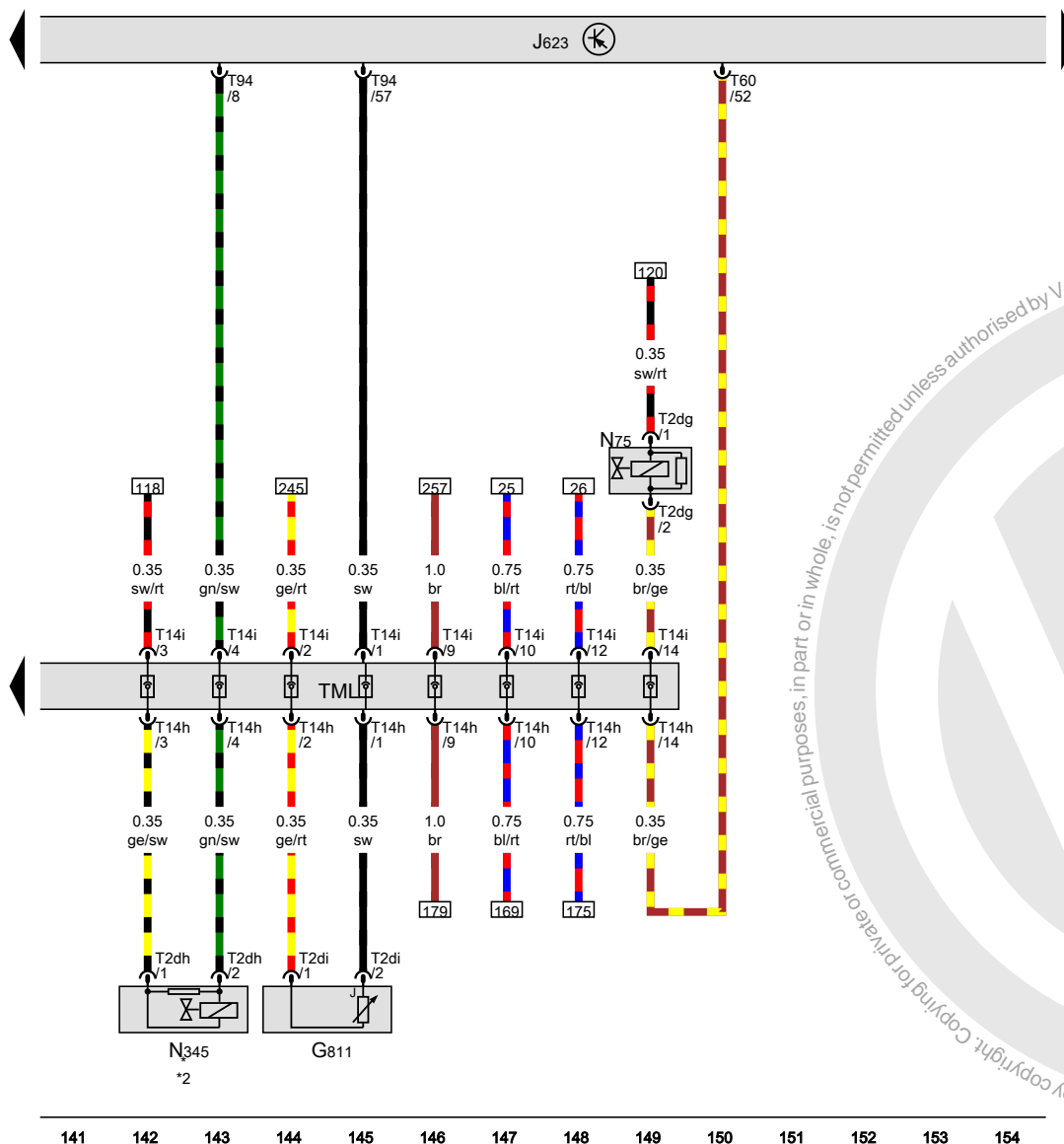
- 179 Earth connection, in left headlight wiring harness
- * Not for models with Euro 6 plus emission standard
- *2 Only models with Euro 6 plus emission standard

- ws = white
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- rs = pink



Charge air temperature sender after charge air cooler,
Engine control unit, Charge pressure control solenoid valve,
Exhaust gas recirculation cooler changeover valve

- G811 Charge air temperature sender after charge air cooler
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2dg 2-pin connector
- T2dh 2-pin connector
- T2di 2-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- * Only models with Euro 4 emission standard
- *2 Only models with manual gearbox

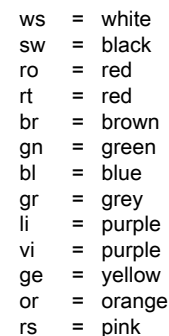


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- gr = grey
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F	Brake light switch
G266	Oil level and oil temperature sender
J623	Engine control unit
T3cd	3-pin connector
T3cg	3-pin connector
T4bc	4-pin connector
T10kv	10-pin connector, black
T10kw	10-pin connector
T94	94-pin connector
TML	Coupling point in engine compartment
V488	Auxiliary pump for heating

- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T60 60-pin connector

167 Earth connection 4, in engine compartment wiring harness

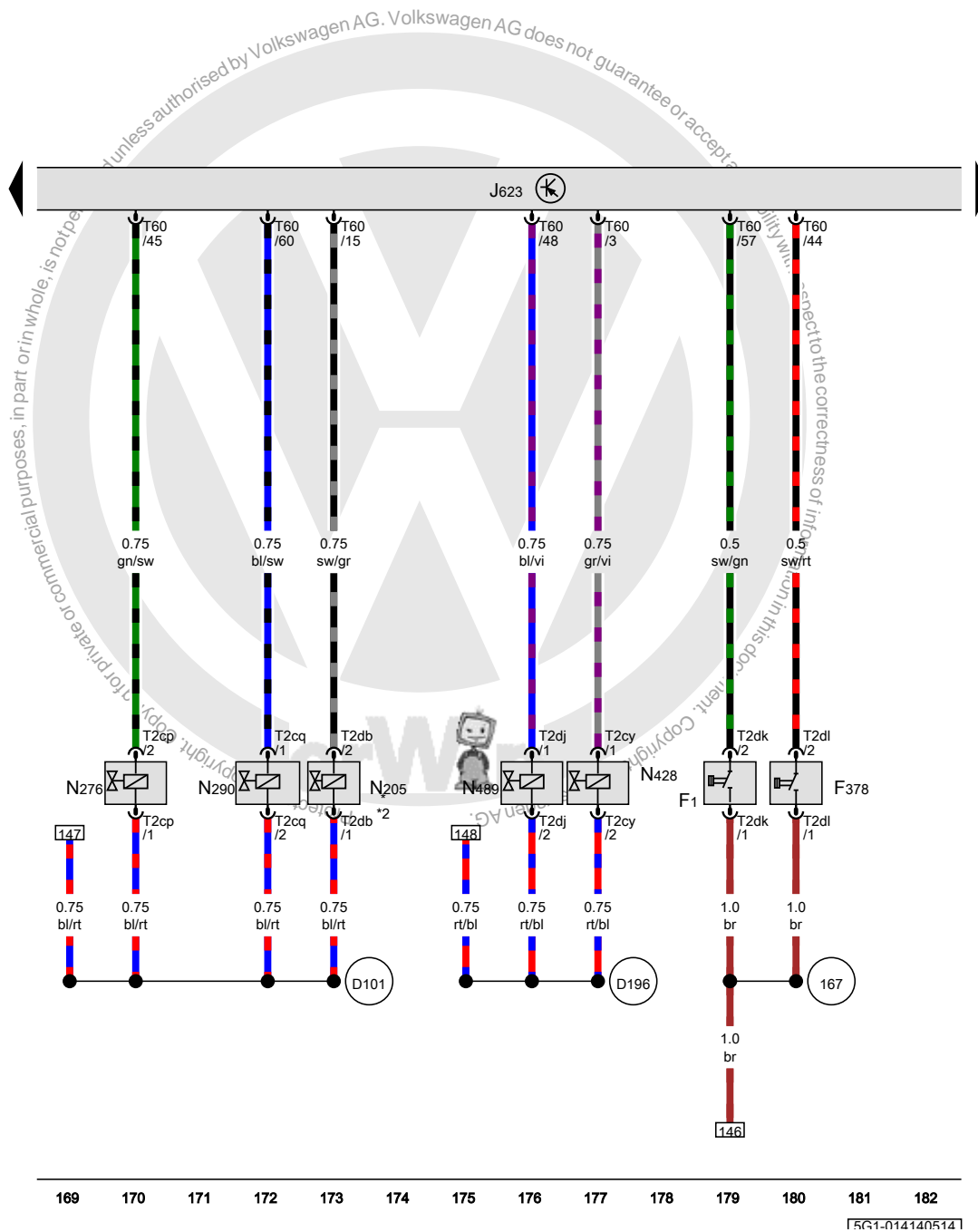
D101 Connection 1 in engine compartment wiring harness

D196 Connection 2 (87a) in engine prewiring harness

* Only models with Euro 6 plus emission standard

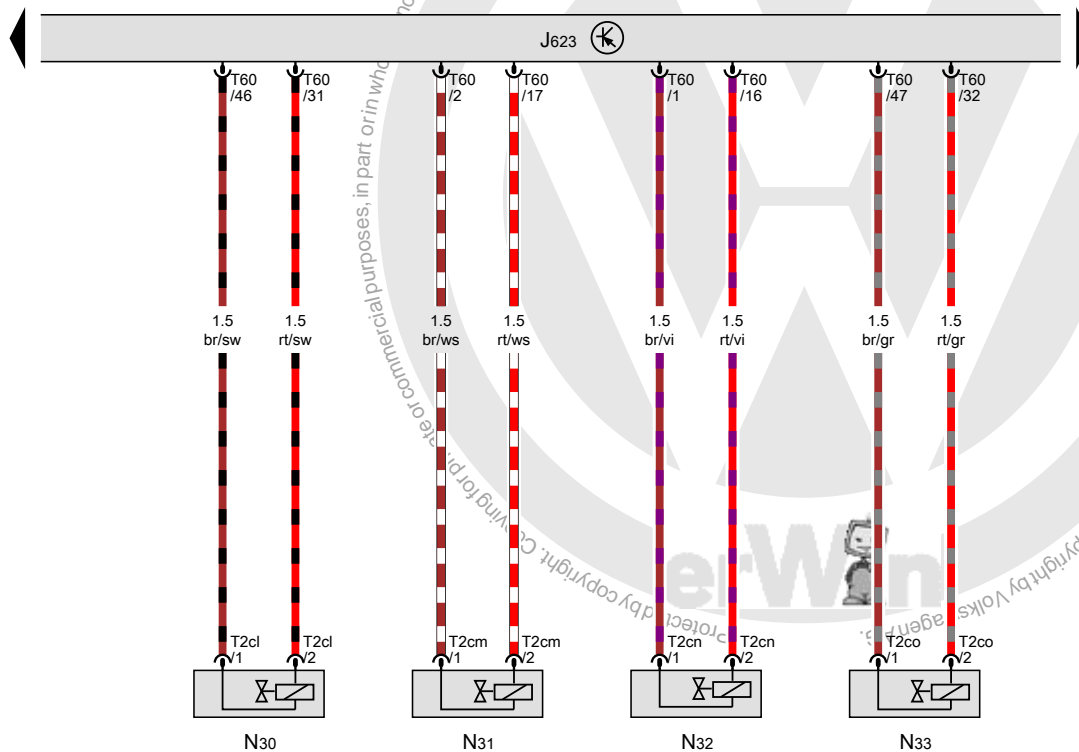
*2 Only models with manual gearbox

ws = white
sw = black
ro = red
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Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector



Throttle valve module, Hall sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit

- GX3 Throttle valve module
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3bv 3-pin connector
- T3bw 3-pin connector
- T5q 5-pin connector
- T60 60-pin connector

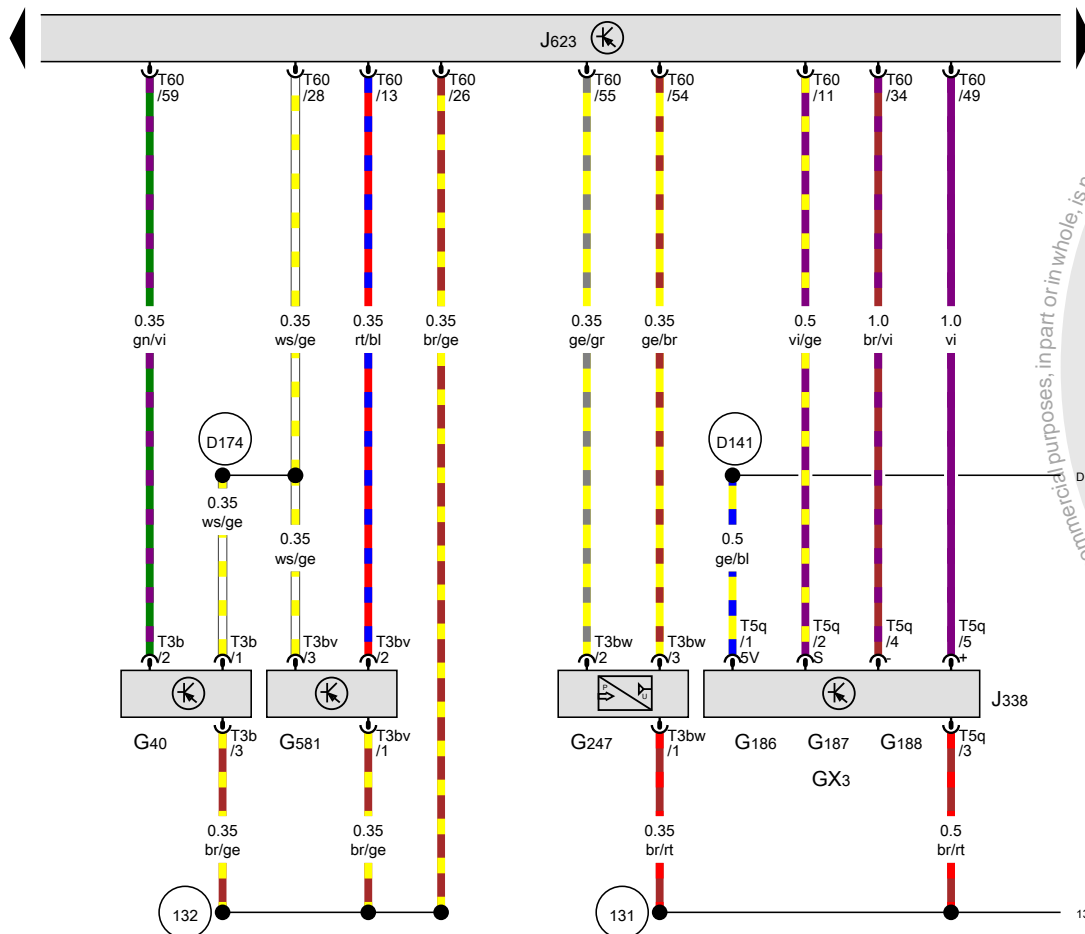
131 Earth connection 2, in engine compartment wiring harness

132 Earth connection 3, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

* According to equipment



197 198 199 200 201 202 203 204 205 206 207 208 209 210

[5G1-014160514]

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine control unit

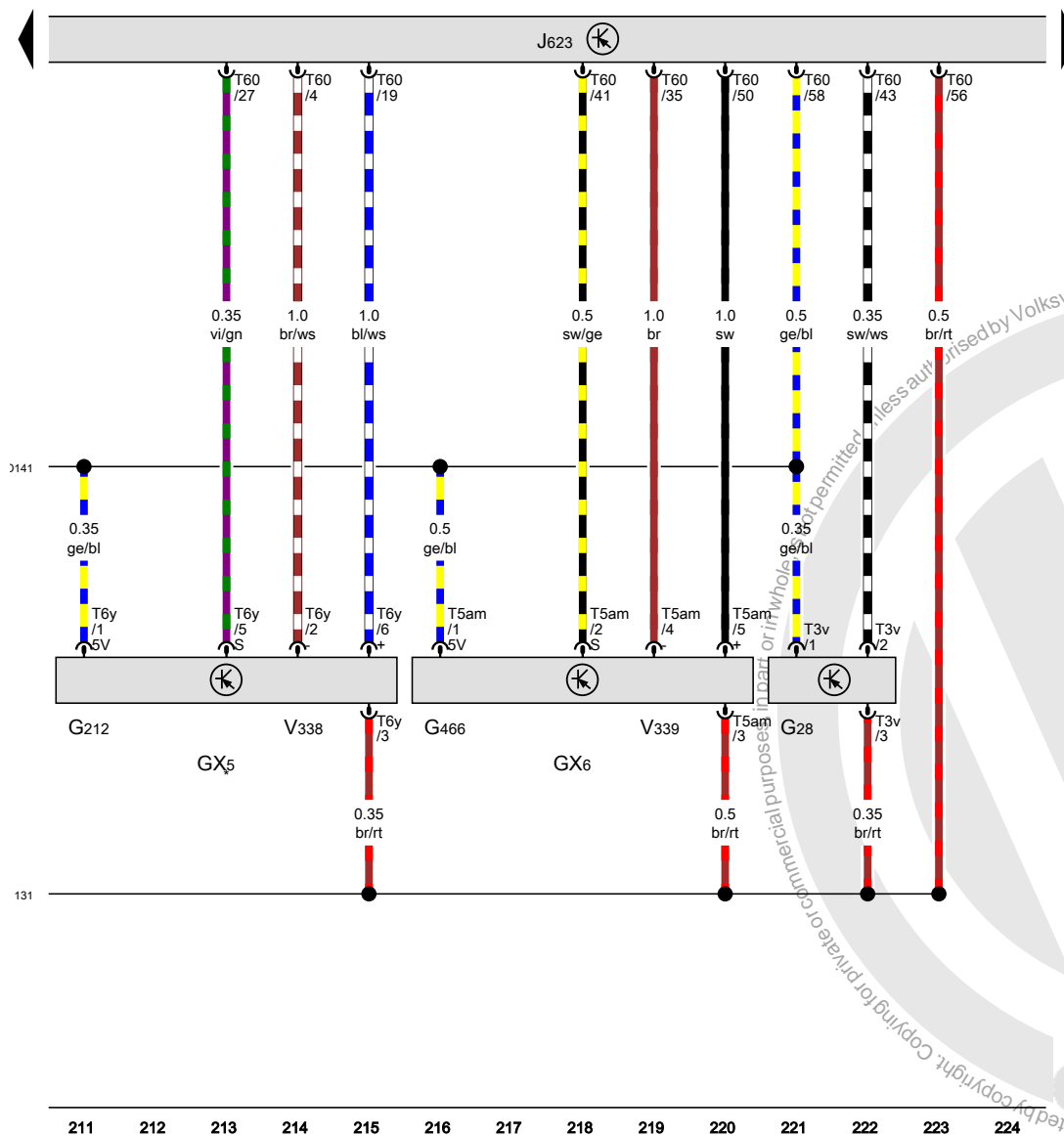
- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine control unit
- T3v 3-pin connector
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

* According to equipment

*2 Cross section depends on equipment

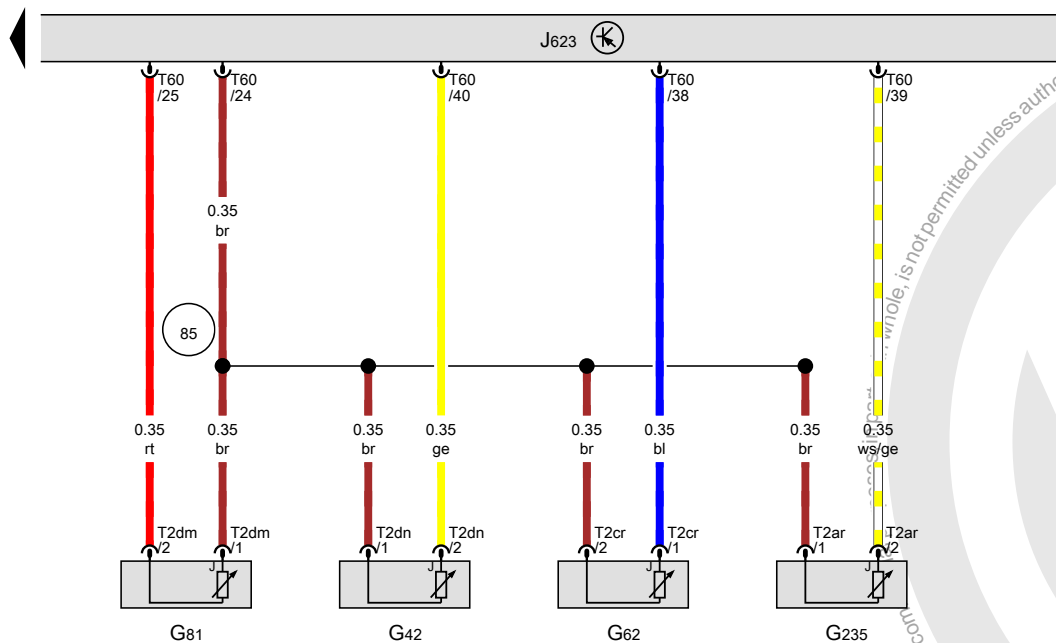


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Intake air temperature sender, Coolant temperature sender,
Fuel temperature sender, Exhaust gas temperature sender
1, Engine control unit

- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- J623 Engine control unit
- T2ar 2-pin connector
- T2cr 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector

85 Earth connection 1, in engine compartment wiring harness



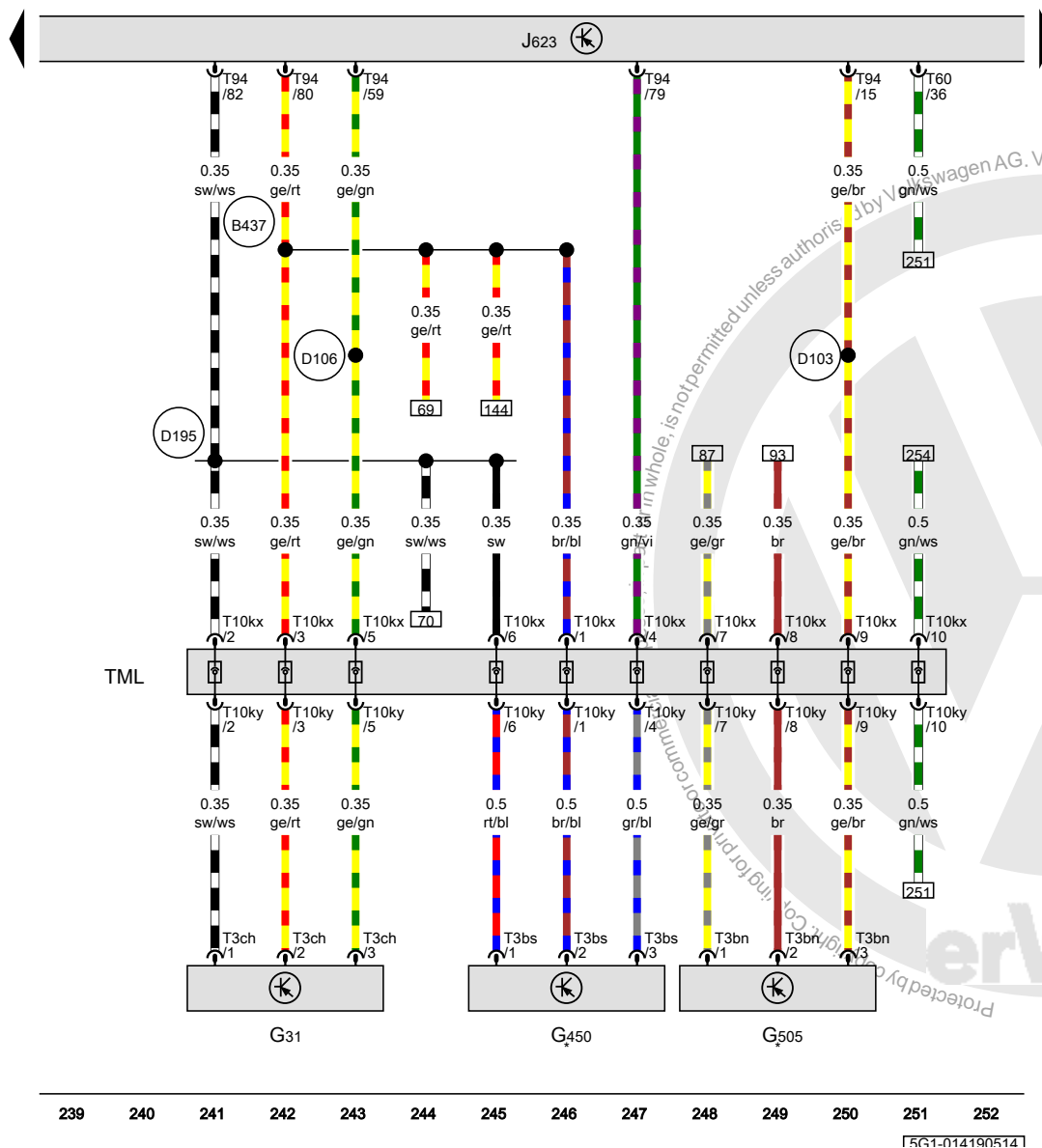
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- rs = pink

Charge pressure sender, Exhaust gas pressure sensor 1, Pressure differential sender, Engine control unit

- G31 Charge pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine control unit
- T3bn 3-pin connector
- T3bs 3-pin connector
- T3ch 3-pin connector
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Not for models with Euro 4 emission standard

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Alternator with voltage regulator, Data bus diagnostic interface, Engine control unit, Charge air cooling pump

CX1 Alternator with voltage regulator

J533 Data bus diagnostic interface

J623 Engine control unit

T3ci 3-pin connector

T8as 8-pin connector, black

T8at 8-pin connector, black

T17e 17-pin connector, brown

T17m 17-pin connector, black

T20 20-pin connector

T94 94-pin connector

TIUL Coupling point in interior, below left

TML Coupling point in engine compartment, left

V188 Charge air cooling pump

85 Earth connection 1, in engine compartment wiring harness

673 Earth point 3, on front of left longitudinal member

A227 Connection 2 (LIN bus) in dash panel wiring harness

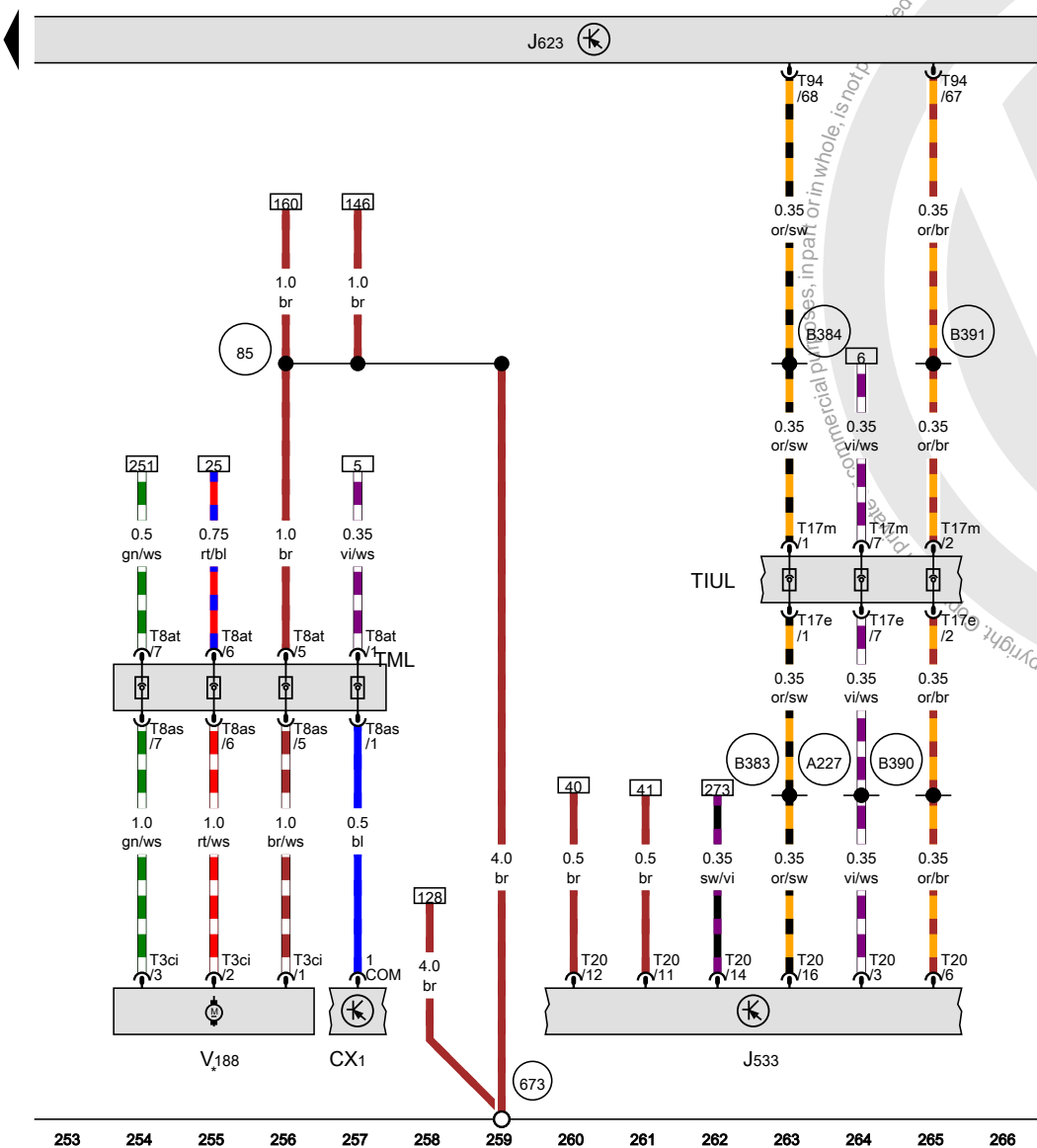
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B384 Connection 2 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

* According to equipment



15G1-014200514

Fuel delivery unit, Steering column electronics control unit,
Fuel pump control unit, Engine control unit

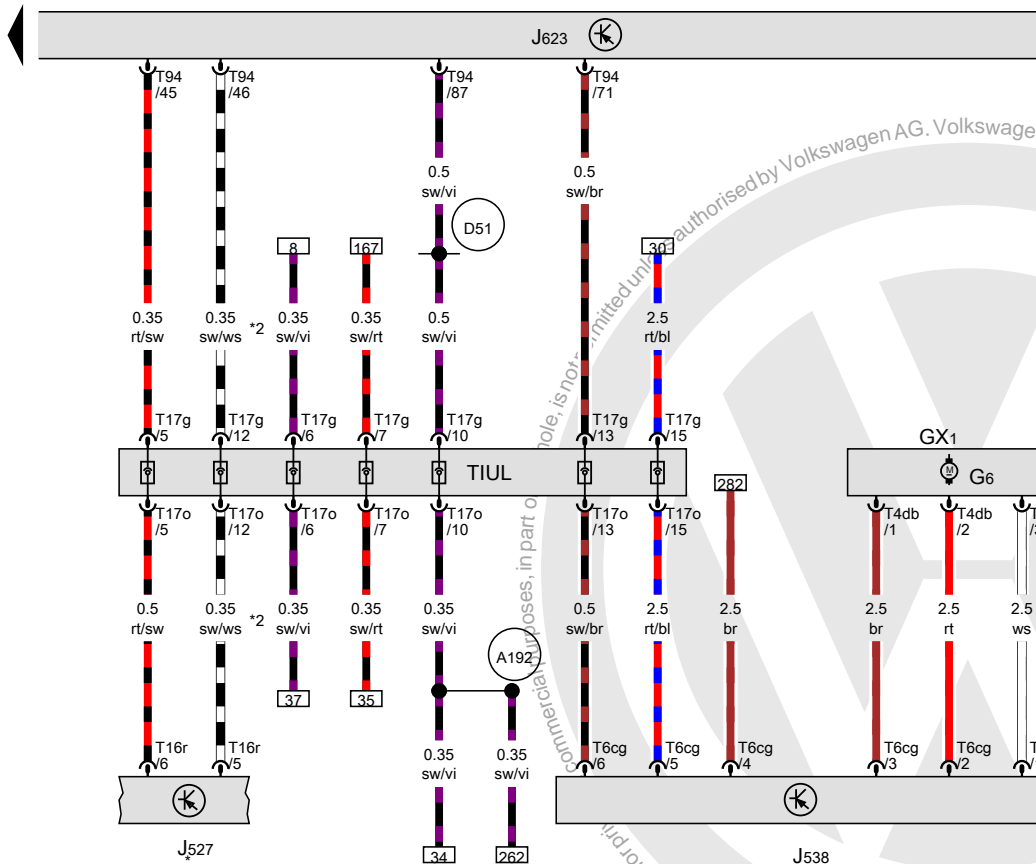
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J527 Steering column electronics control unit
- J538 Fuel pump control unit
- J623 Engine control unit
- T4db 4-pin connector
- T6cg 6-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

see applicable current flow diagram

Only models with cruise control system (CCS)



- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

267 268 269 270 271 272 273 274 275 276 277 278 279 280

[5G1-014210514]

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank, Control unit in dash panel insert, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T18 18-pin connector

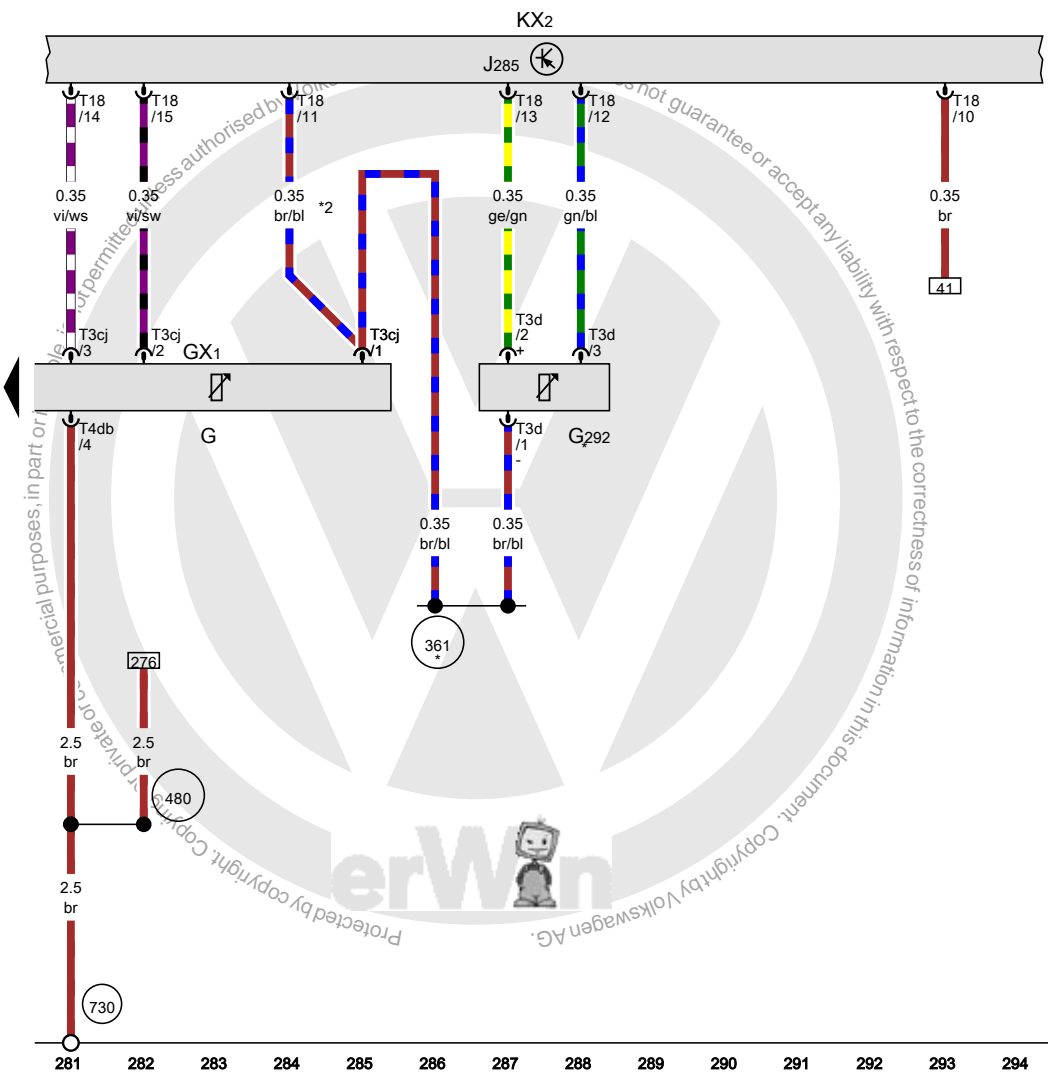
361 Earth connection (fuel gauge sender), in main wiring harness

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

* Only models with all-wheel drive

*2 Only models with no all-wheel drive

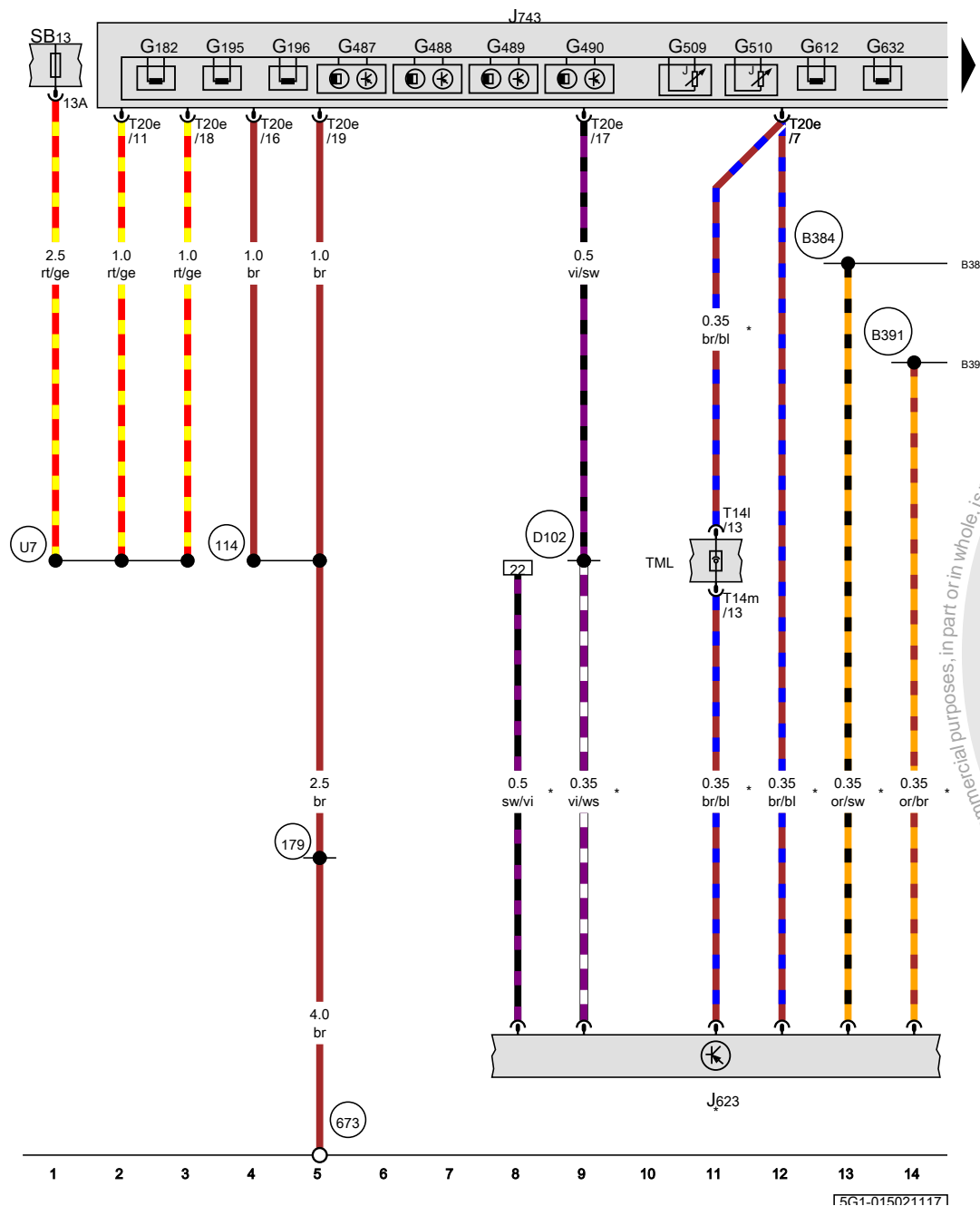


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Dual clutch gearbox 0D9 , (0ES)

From August 2012





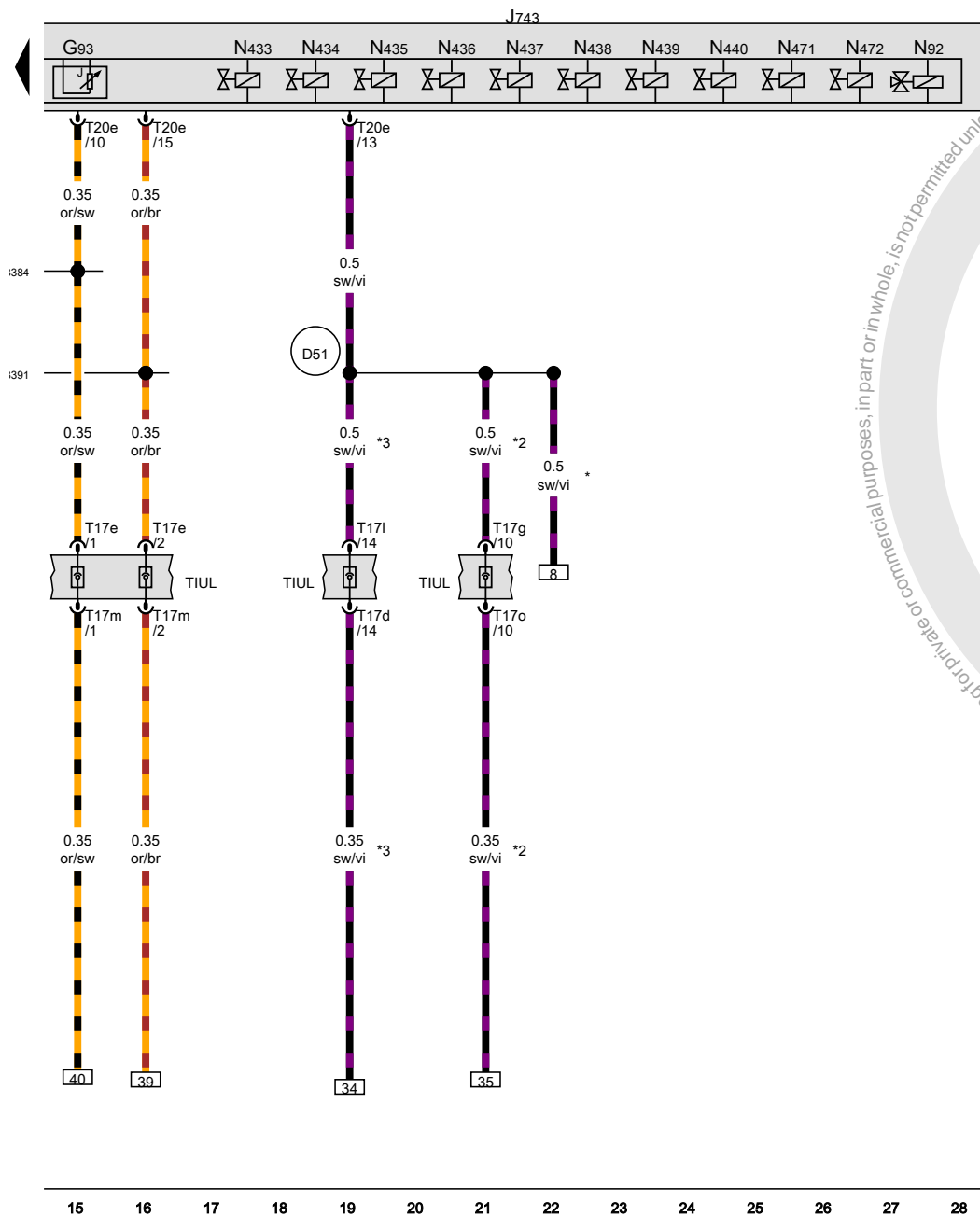
Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- G182 Gearbox input speed sender
- G195 Gearbox output speed sender
- G196 Gearbox output speed sender 2
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G509 Clutch temperature sender
- G510 Temperature sender in control unit
- G612 Gearbox input speed sender 2
- G632 Gearbox input speed sender 1
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- SB13 Fuse 13 on fuse holder B
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T20e 20-pin connector
- TML Coupling point in engine compartment, left

- 114 Earth connection, in automatic gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D102 Connection 2 in engine compartment wiring harness
- U7 Connection (87), in automatic gearbox wiring harness
- * see applicable current flow diagram for engine

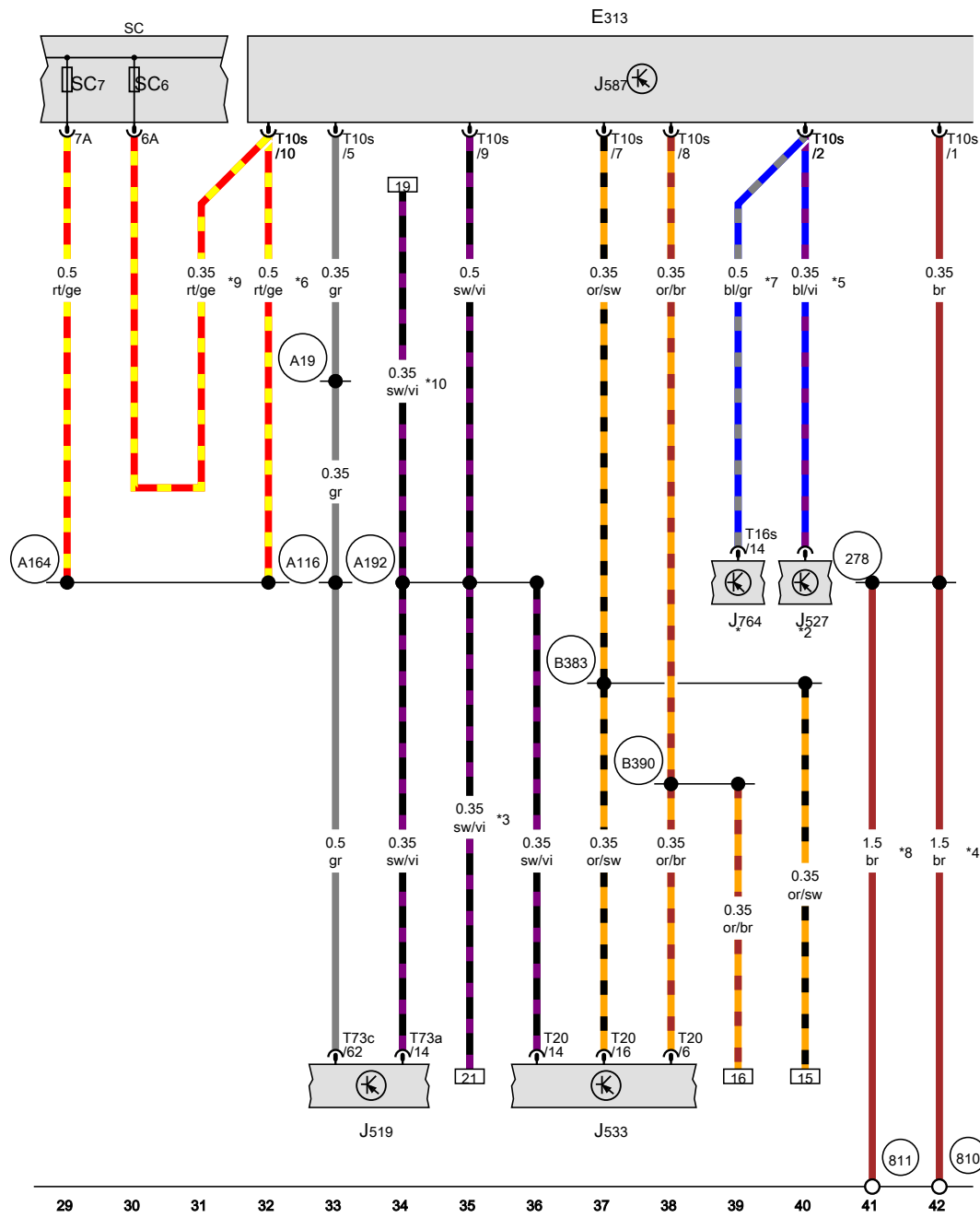
ws = white
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Mechatronic unit for dual clutch gearbox



- G93 Gearbox oil temperature sender
- J743 Mechatronic unit for dual clutch gearbox
- N92 Solenoid valve 5
- N433 Valve 1 in gear train half 1
- N434 Valve 2 in gear train half 1
- N435 Valve 3 in gear train half 1
- N436 Valve 4 in gear train half 1
- N437 Valve 1 in gear train half 2
- N438 Valve 2 in gear train half 2
- N439 Valve 3 in gear train half 2
- N440 Valve 4 in gear train half 2
- N471 Cooling oil valve
- N472 Main pressure valve
- T17d 17-pin connector, black
- T17e 17-pin connector, brown
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17m 17-pin connector, brown
- T17o 17-pin connector, blue
- T20e 20-pin connector
- TIUL Coupling point in interior, below left
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Up to November 2017
- *3 From November 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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Selector lever, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Selector lever sensors control unit, Control unit for electronic steering column lock, Fuse holder C

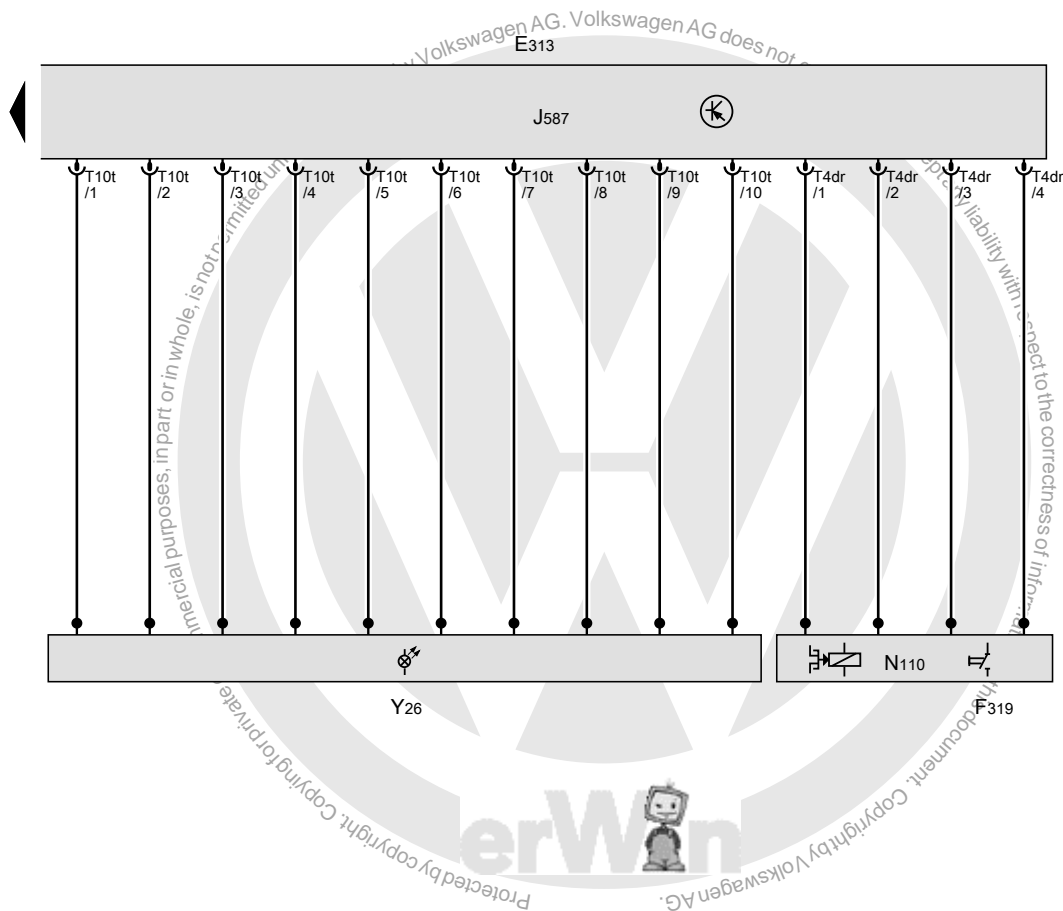
- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J587 Selector lever sensors control unit
- J764 Control unit for electronic steering column lock
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T10s 10-pin connector
- T16s 16-pin connector
- T20 20-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * For models with start/stop system
- *2 see applicable current flow diagram
- *3 Up to November 2017
- *4 For left-hand drive models
- *5 Wiring colour depends on equipment
- *6 Up to November 2015
- *7 Up to November 2013
- *8 For right-hand drive models

15G1-015041117

ws = white

sw	=	black	*9	From November 2015
ro	=	red	*10	From November 2017
rt	=	red		
br	=	brown		
gn	=	green		
bl	=	blue		
gr	=	grey		
li	=	purple		
vi	=	purple		
ge	=	yellow		
or	=	orange		
rs	=	pink		





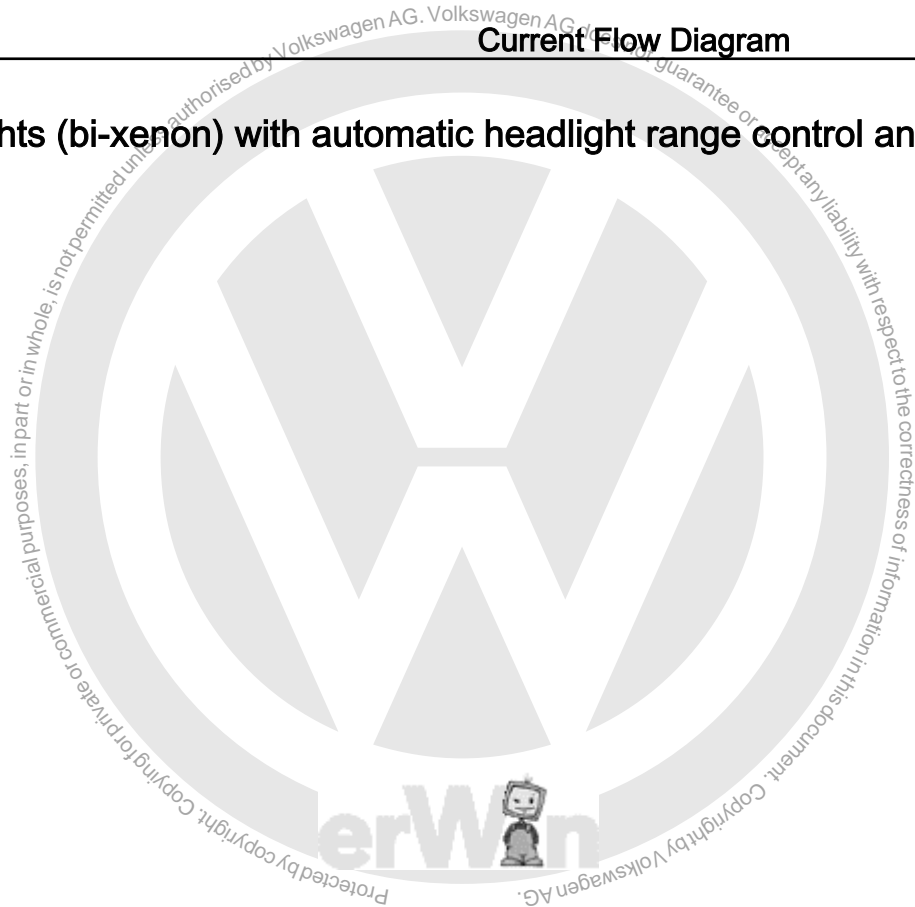
Selector lever, Selector lever locked in position P switch, Selector lever sensors control unit, Selector lever lock solenoid, Selector lever position display

- E313 Selector lever
- F319 Selector lever locked in position P switch
- J587 Selector lever sensors control unit
- N110 Selector lever lock solenoid
- T4dr 4-pin connector
- T10t 10-pin connector
- Y26 Selector lever position display

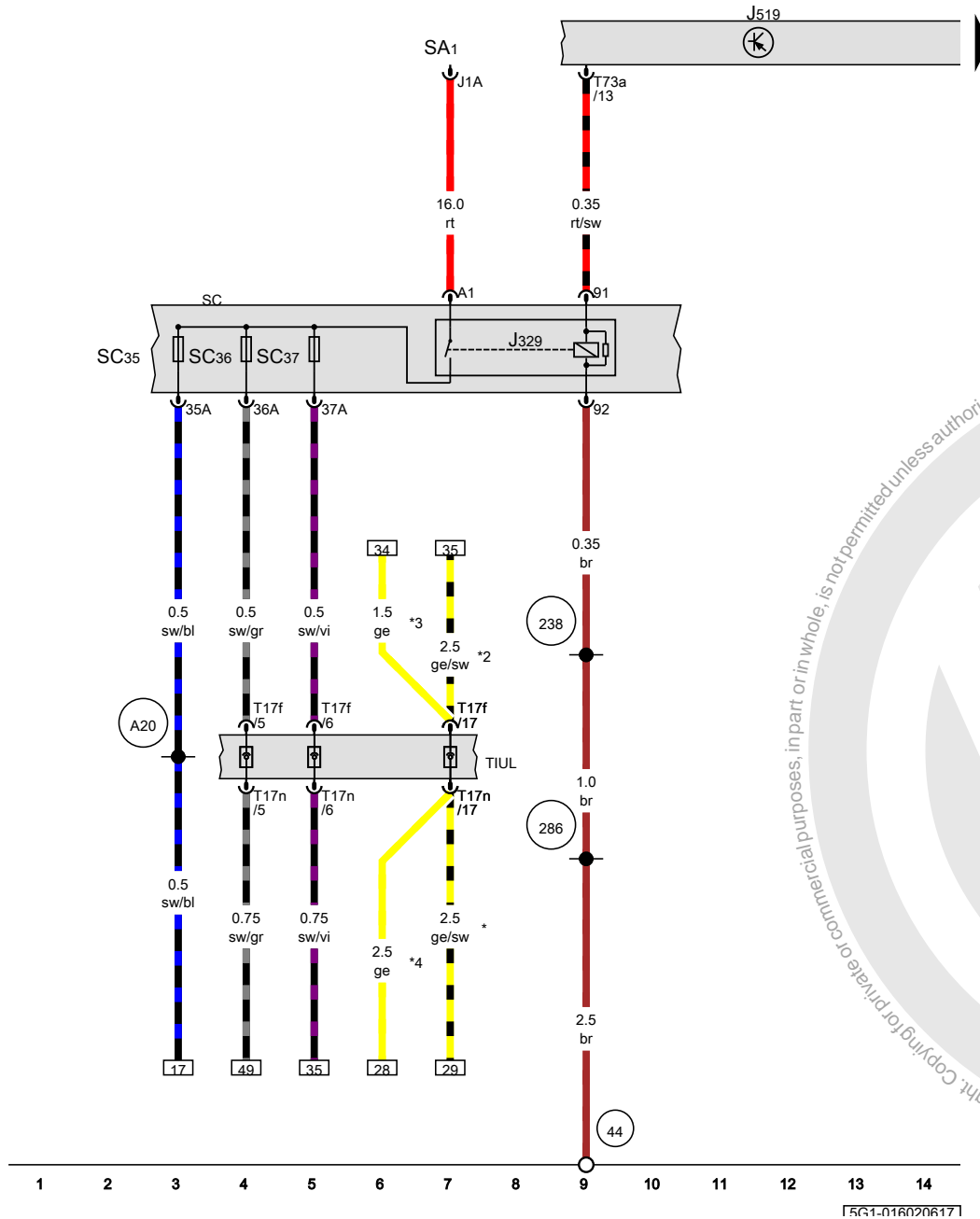
- ws = white
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- bl = blue
- gr = grey
- li = purple
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- or = orange
- rs = pink

Gas discharge headlights (bi-xenon) with automatic headlight range control and cornering light , (8Q5),(8IM)

From August 2012



Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T73a 73-pin connector
- TIUL Coupling point in interior, below left

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- * Up to May 2015
- *2 Up to October 2014
- *3 From November 2014
- *4 From May 2015

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- ge = yellow
- or = orange
- rs = pink

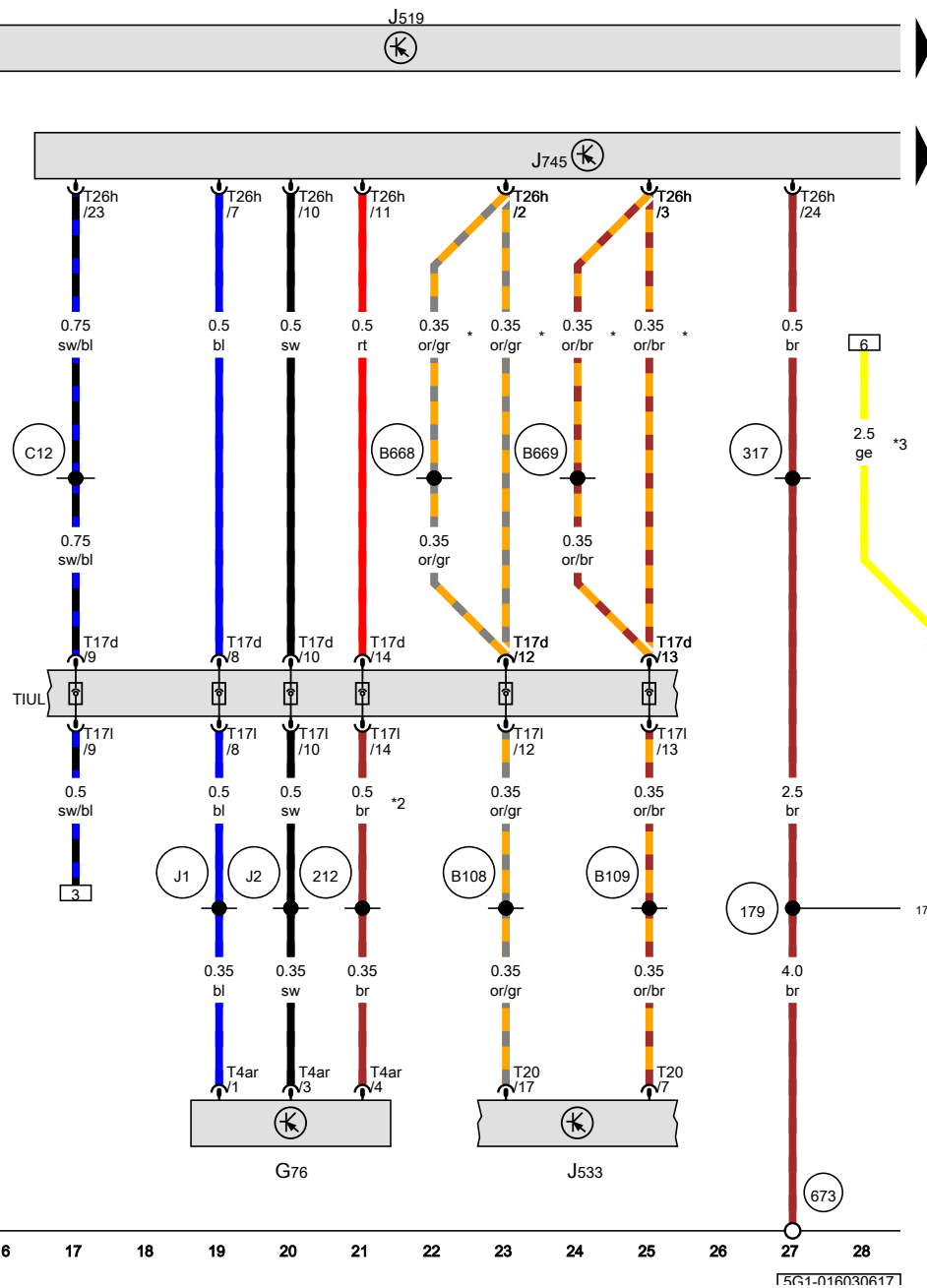
Rear left vehicle level sender, Onboard supply control unit, Data bus diagnostic interface, Control unit for cornering light and headlight range control

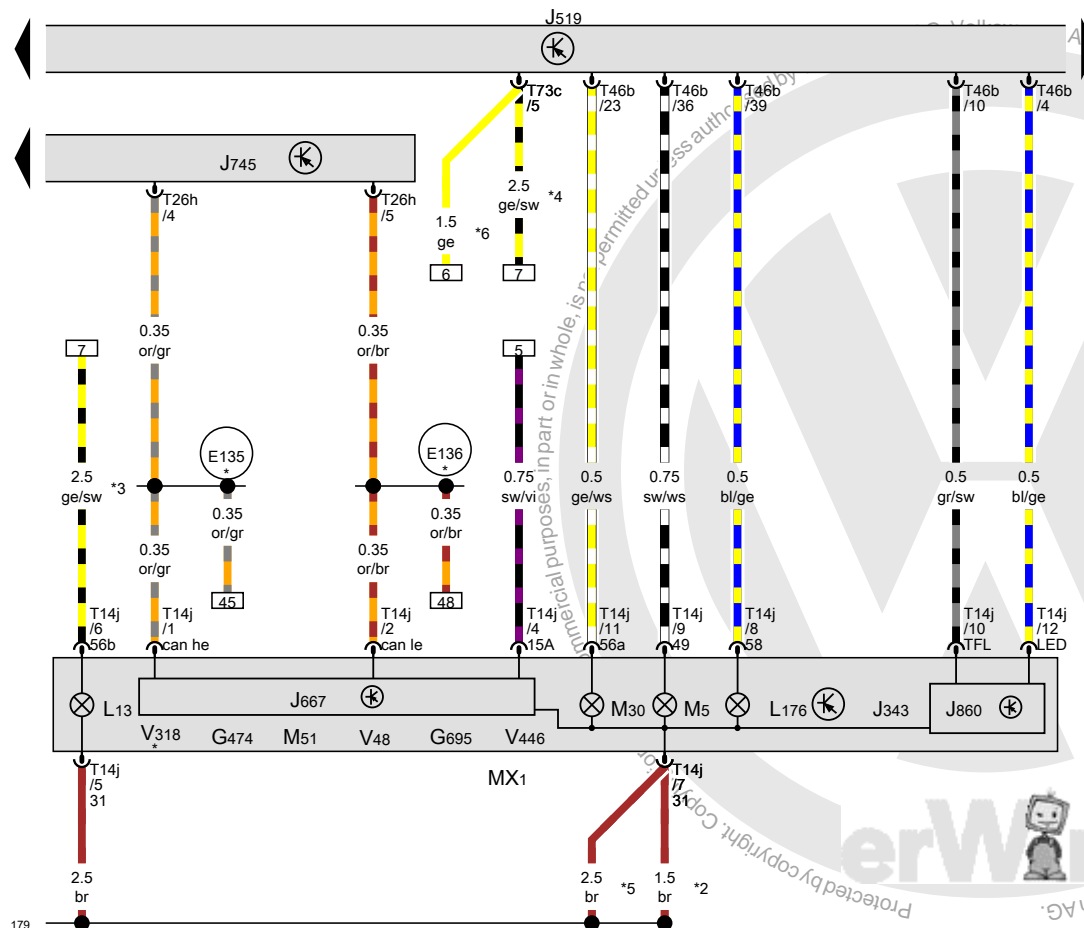
- G76 Rear left vehicle level sender
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J745 Control unit for cornering light and headlight range control
- T4ar 4-pin connector
- T14j 14-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T20 20-pin connector
- T26h 26-pin connector
- TIUL Coupling point in interior, below left

- 179 Earth connection, in left headlight wiring harness
- 212 Earth connection 2, in ABS wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- J1 Positive connection (30), in ABS wiring harness
- J2 Positive connection (15), in ABS wiring harness

- * According to equipment
- *2 Wiring colour depends on equipment
- *3 From May 2015

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink





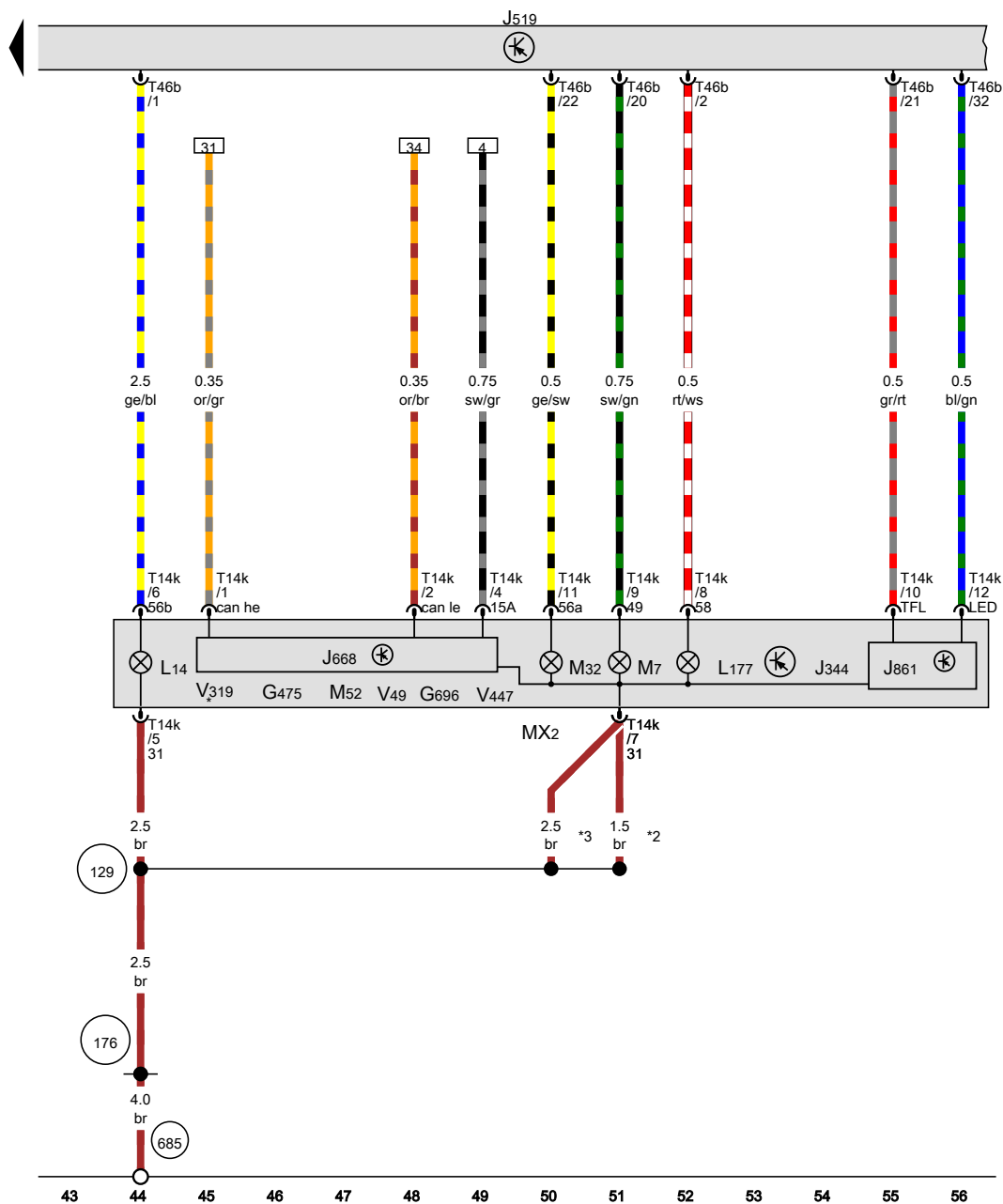
Control motor sender for left VARILIS headlight, Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Control unit for cornering light and headlight range control, Control unit for left daytime running light and side light, Left gas discharge (xenon) bulb, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Left headlight range control motor, Left dynamic cornering light control motor, Control motor for left VARILIS headlight

- G474 Left swivel module position sensor
- G695 Control motor sender for left VARILIS headlight
- J343 Left gas discharge bulb control unit
- J519 Onboard supply control unit
- J667 Output module for left headlight
- J745 Control unit for cornering light and headlight range control
- J860 Control unit for left daytime running light and side light
- L13 Left gas discharge (xenon) bulb
- L176 Left LED module for daytime running light and side light
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M30 Left headlight main beam bulb
- M51 Left static cornering light
- T14j 14-pin connector
- T26h 26-pin connector
- T46b 46-pin connector
- T73c 73-pin connector
- V48 Left headlight range control motor
- V318 Left dynamic cornering light control motor
- V446 Control motor for left VARILIS headlight

- 179 Earth connection, in left headlight wiring harness
- E135 Connection (CAN bus extended high), in engine compartment wiring harness
- E136 Connection (CAN bus extended low), in engine compartment wiring harness

- * According to equipment
- *2 Up to May 2013
- *3 Up to May 2015
- *4 Up to October 2014
- *5 From May 2013
- *6 From November 2014

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 vi = purple
 ge = yellow
 or = orange
 rs = pink



Control motor sender for right VARILIS headlight, Right gas discharge bulb control unit, Onboard supply control unit, Output module for right headlight, Control unit for right daytime running light and side light, Right gas discharge (xenon) bulb, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Right headlight range control motor, Right dynamic cornering light control motor, Control motor for right VARILIS headlight

- G475 Right swivel module position sensor
- G696 Control motor sender for right VARILIS headlight
- J344 Right gas discharge bulb control unit
- J519 Onboard supply control unit
- J668 Output module for right headlight
- J861 Control unit for right daytime running light and side light
- L14 Right gas discharge (xenon) bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M32 Right headlight main beam bulb
- M52 Right static cornering light
- T14k 14-pin connector
- T46b 46-pin connector
- V49 Right headlight range control motor
- V319 Right dynamic cornering light control motor
- V447 Control motor for right VARILIS headlight

129 Earth connection, in dual tone horn wiring harness

176 Earth connection, in right headlight wiring harness

685 Earth point 1, on front of right longitudinal member

- * According to equipment
- *2 Up to May 2013
- *3 From May 2013

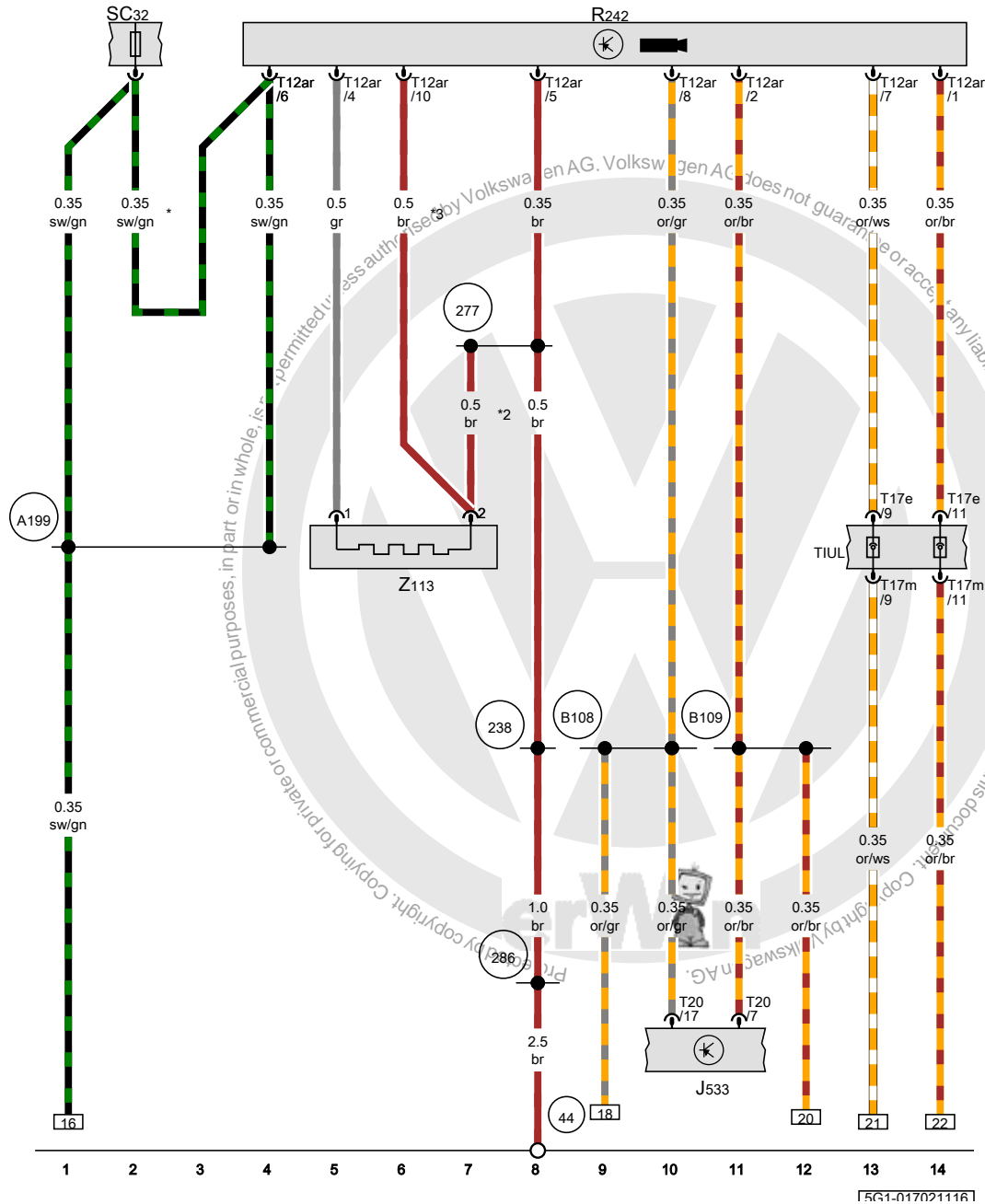
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Front camera for driver assist systems , (QK1),(7Y9),(7Y4),(8G1)

From August 2012



Data bus diagnostic interface, Front camera for driver assist systems, Windscreen heater for front sensors

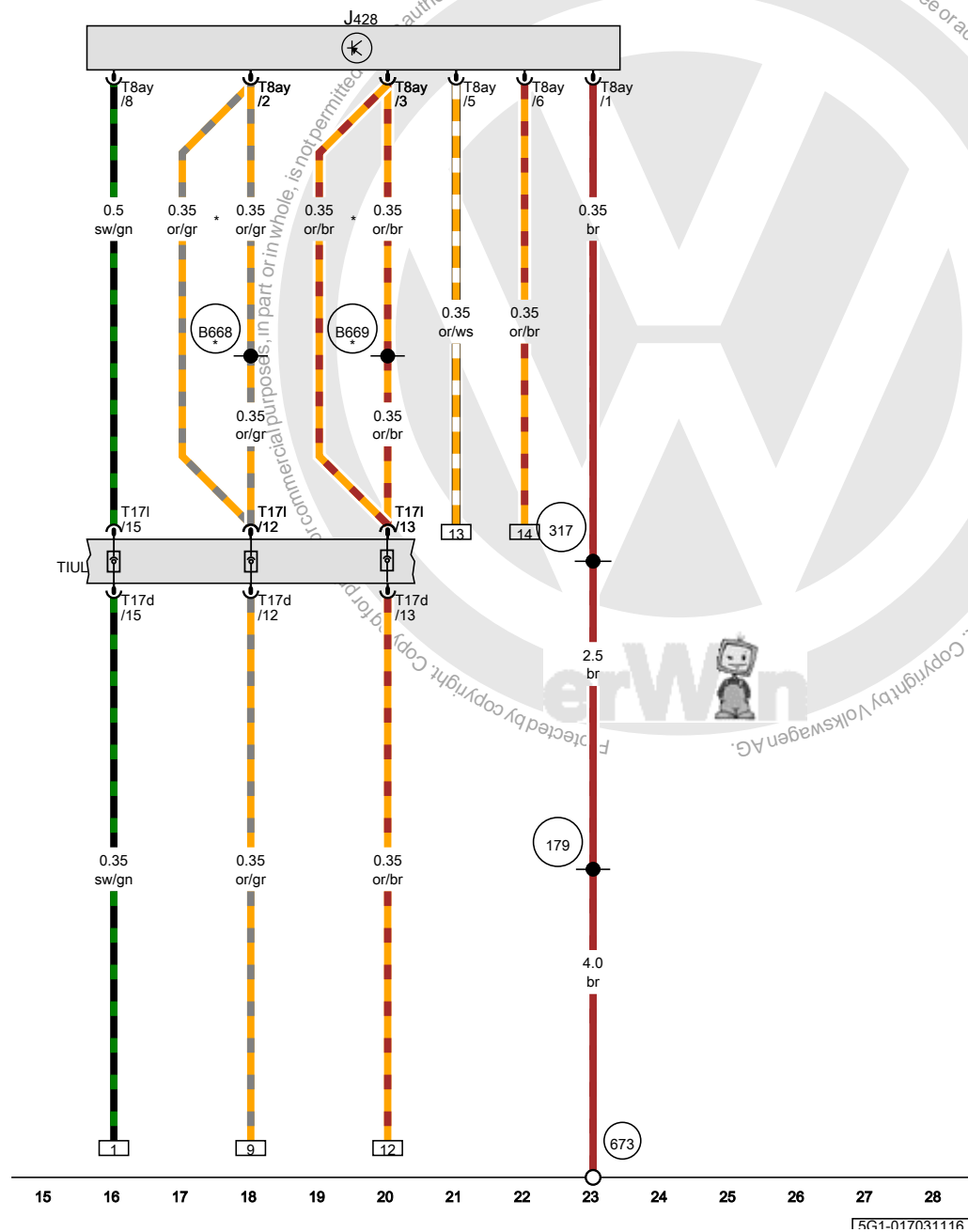


- J533 Data bus diagnostic interface
- R242 Front camera for driver assist systems
- SC32 Fuse 32 on fuse holder C
- T12ar 12-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- TIUL Coupling point in interior, below left
- Z113 Windscreen heater for front sensors
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- * According to equipment
- *2 Up to May 2016
- *3 From May 2016

Adaptive cruise control unit

J428 Adaptive cruise control unit
 T8ay 8-pin connector
 T17d 17-pin connector, black
 T17i 17-pin connector, black
 TIUL Coupling point in interior, below left

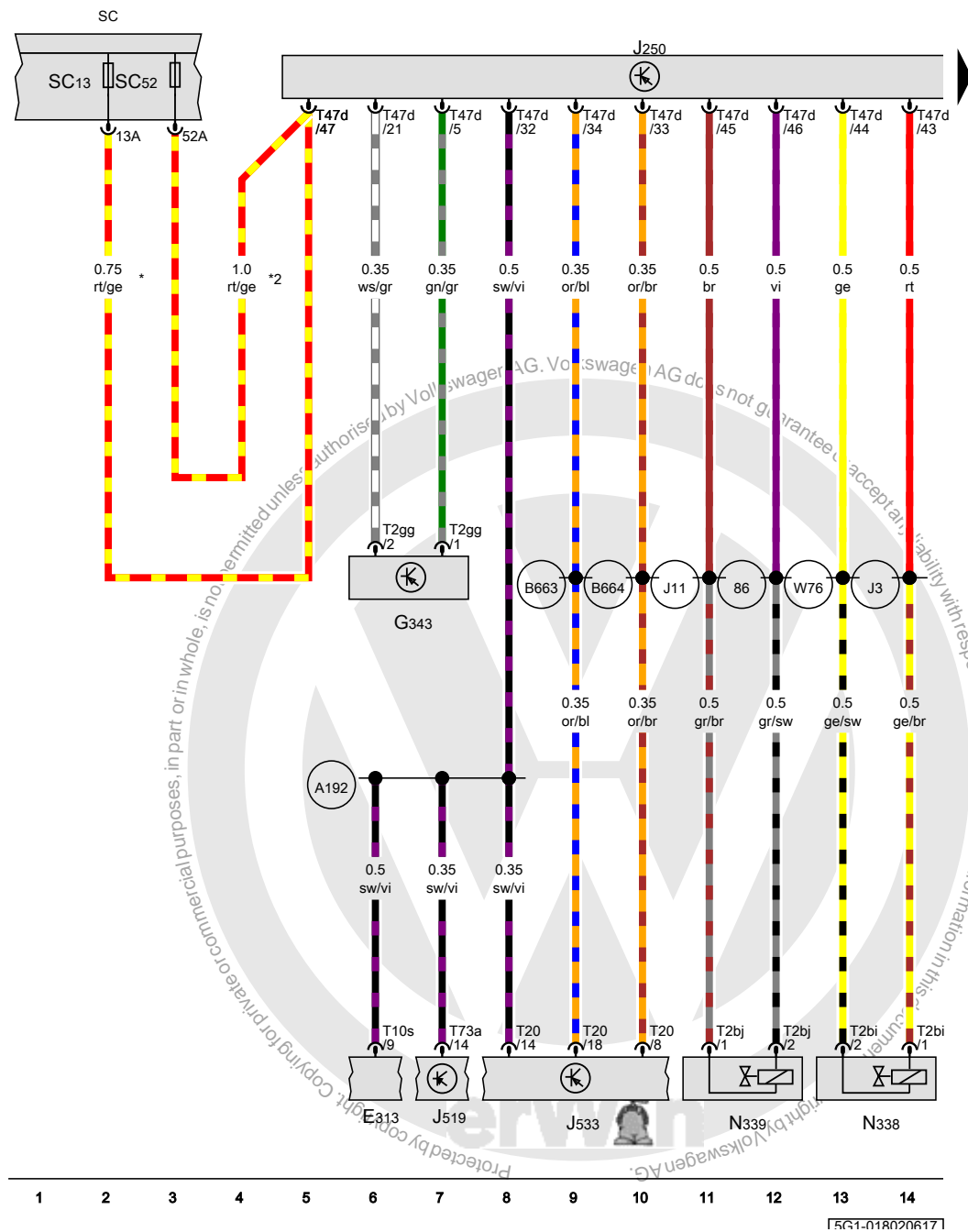
- (179) Earth connection, in left headlight wiring harness
- (317) Earth connection 7, in engine compartment wiring harness
- (673) Earth point 3, on front of left longitudinal member
- (B668) Connection 2 (CAN bus extended high), in main wiring harness
- (B669) Connection 2 (CAN bus extended low), in main wiring harness
- * According to equipment



Dynamic Chassis Control , (UC8),(2H4),(2H8),(2UH),(2UJ),(2UK)

From August 2012



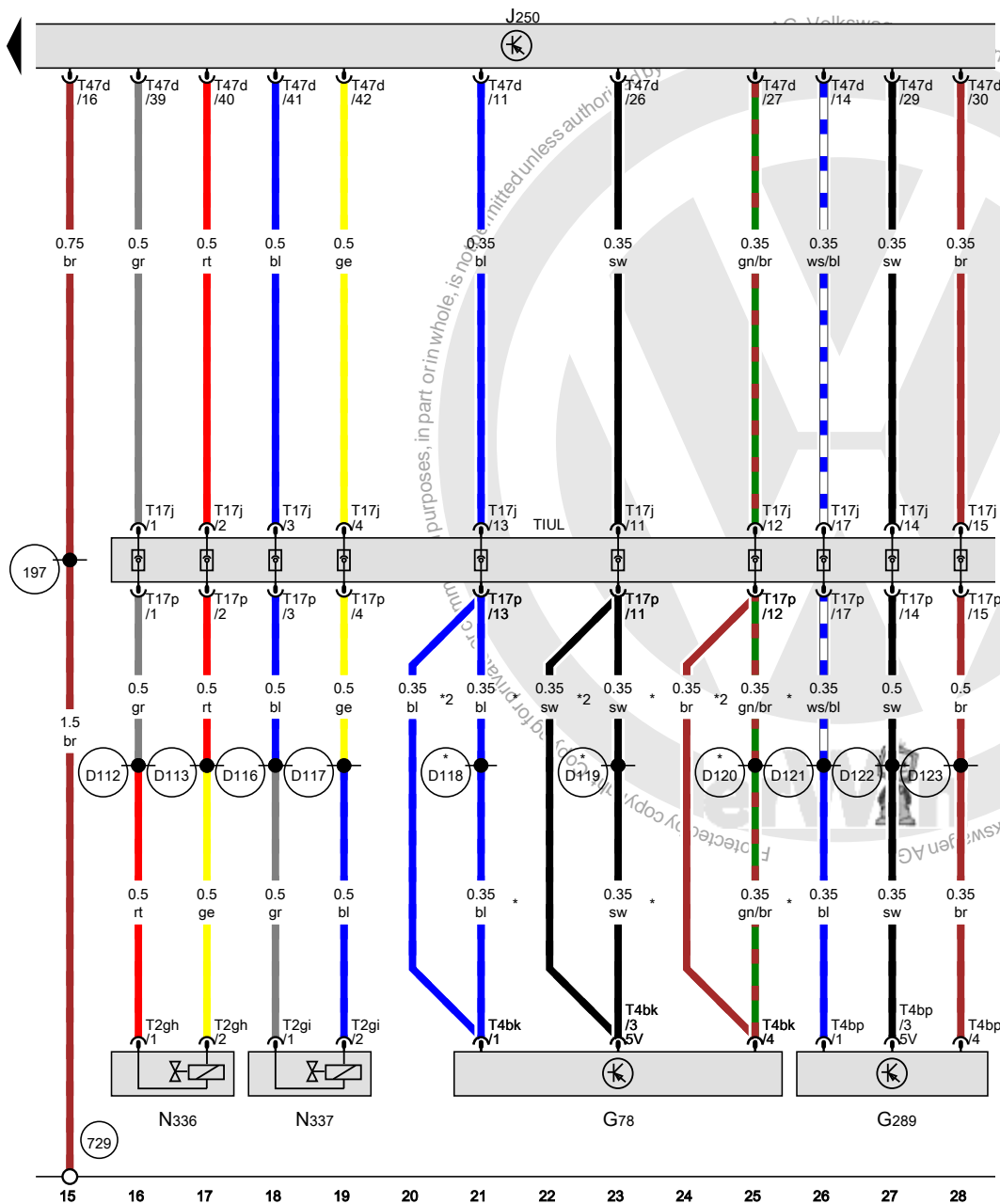


Rear body acceleration sender, Electronically controlled damping control unit, Data bus diagnostic interface, Rear left shock absorber damping adjustment valve, Rear right shock absorber damping adjustment valve, Fuse holder C

- E313 Selector lever
- G343 Rear body acceleration sender
- J250 Electronically controlled damping control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- N338 Rear left shock absorber damping adjustment valve
- N339 Rear right shock absorber damping adjustment valve
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2gg 2-pin connector
- T10s 10-pin connector
- T20 20-pin connector
- T47d 47-pin connector
- T73a 73-pin connector, black

- 86 Earth connection 1, in rear wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- J3 Connection 1, in ABS wiring harness
- J11 Positive connection (30a), in ABS wiring harness
- W76 Connection 4 (sensor), in rear wiring harness

- * Up to May 2017
- *2 From May 2017



Front left vehicle level sender, Front right vehicle level sender, Electronically controlled damping control unit, Front left shock absorber damping adjustment valve, Front right shock absorber damping adjustment valve

- G78 Front left vehicle level sender
- G289 Front right vehicle level sender
- J250 Electronically controlled damping control unit
- N336 Front left shock absorber damping adjustment valve
- N337 Front right shock absorber damping adjustment valve
- T2gh 2-pin connector
- T2gi 2-pin connector
- T4bk 4-pin connector
- T4bp 4-pin connector
- T17j 17-pin connector, white
- T17p 17-pin connector, white
- T47d 47-pin connector
- TIUL Coupling point in interior, below left

197 Earth connection 4, in rear wiring harness

729 Earth point, on left rear wheel housing

D112 Connection 10 in engine compartment wiring harness

D113 Connection 11 in engine compartment wiring harness

D116 Connection 14 in engine compartment wiring harness

D117 Connection 15 in engine compartment wiring harness

D118 Connection 16 in engine compartment wiring harness

D119 Connection 17 in engine compartment wiring harness

D120 Connection 18 in engine compartment wiring harness

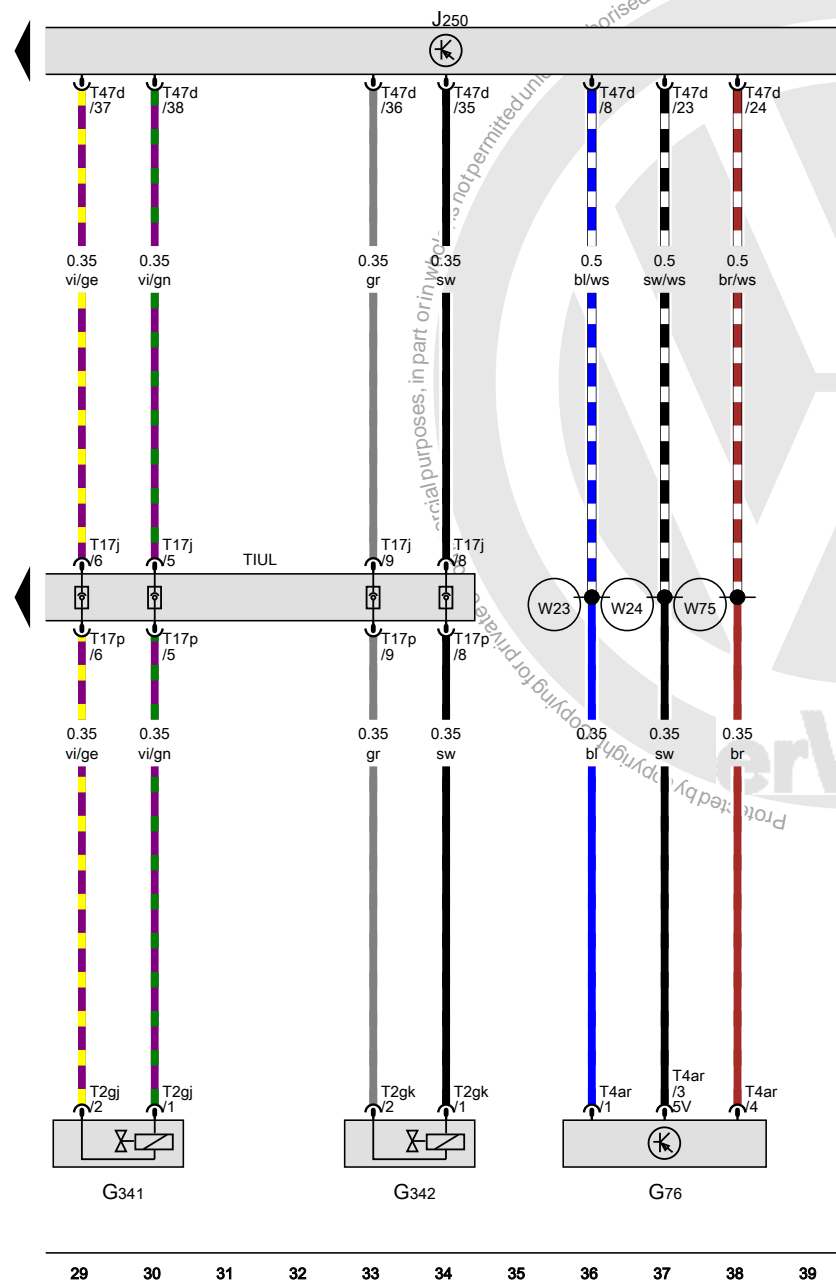
D121 Connection 19 in engine compartment wiring harness

D122 Connection 20 in engine compartment wiring harness

D123 Connection 21 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Up to May 2013
- *2 From May 2013



Rear left vehicle level sender, Front left body acceleration sender, Front right body acceleration sender, Electronically controlled damping control unit

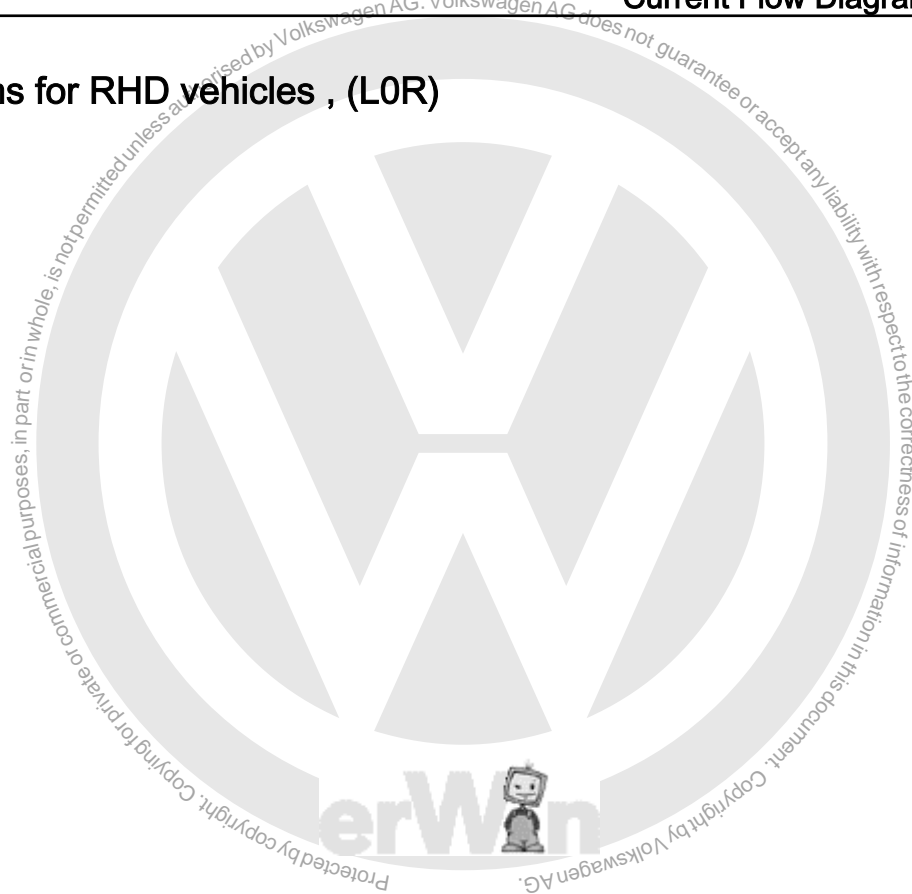
- G76 Rear left vehicle level sender
- G341 Front left body acceleration sender
- G342 Front right body acceleration sender
- J250 Electronically controlled damping control unit
- T2gj 2-pin connector
- T2gk 2-pin connector
- T4ar 4-pin connector
- T17j 17-pin connector, white
- T17p 17-pin connector, white
- T47d 47-pin connector
- TIUL Coupling point in interior, below left

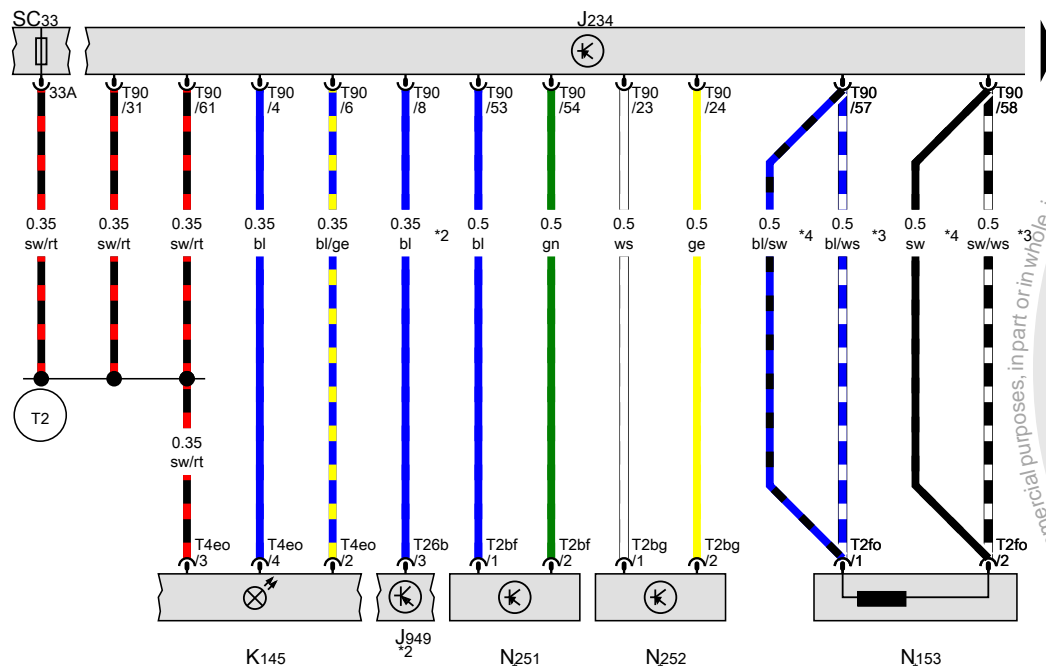
- W23 Connection 1 (sensor), in rear wiring harness
- W24 Connection 2 (sensor), in rear wiring harness
- W75 Connection 3 (sensor), in rear wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- vi = purple
- ge = yellow
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Airbag systems for RHD vehicles , (L0R)

From August 2012





Airbag control unit, Emergency call module control unit and communication unit, Front passenger side airbag deactivated warning lamp, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter, Fuse 33 on fuse holder C

- J234 Airbag control unit
- J949 Emergency call module control unit and communication unit
- K145 Front passenger side airbag deactivated warning lamp
- N153 Driver seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- SC33 Fuse 33 on fuse holder C
- T2bf 2-pin connector
- T2bg 2-pin connector
- T2fo 2-pin connector
- T4eo 4-pin connector
- T26b 26-pin connector, black
- T90 90-pin connector

T2 Positive connection 2, in airbag wiring harness

- * According to equipment
- *2 Only models with emergency call module
- *3 Only models with 4-doors
- *4 Only models with 2-doors

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

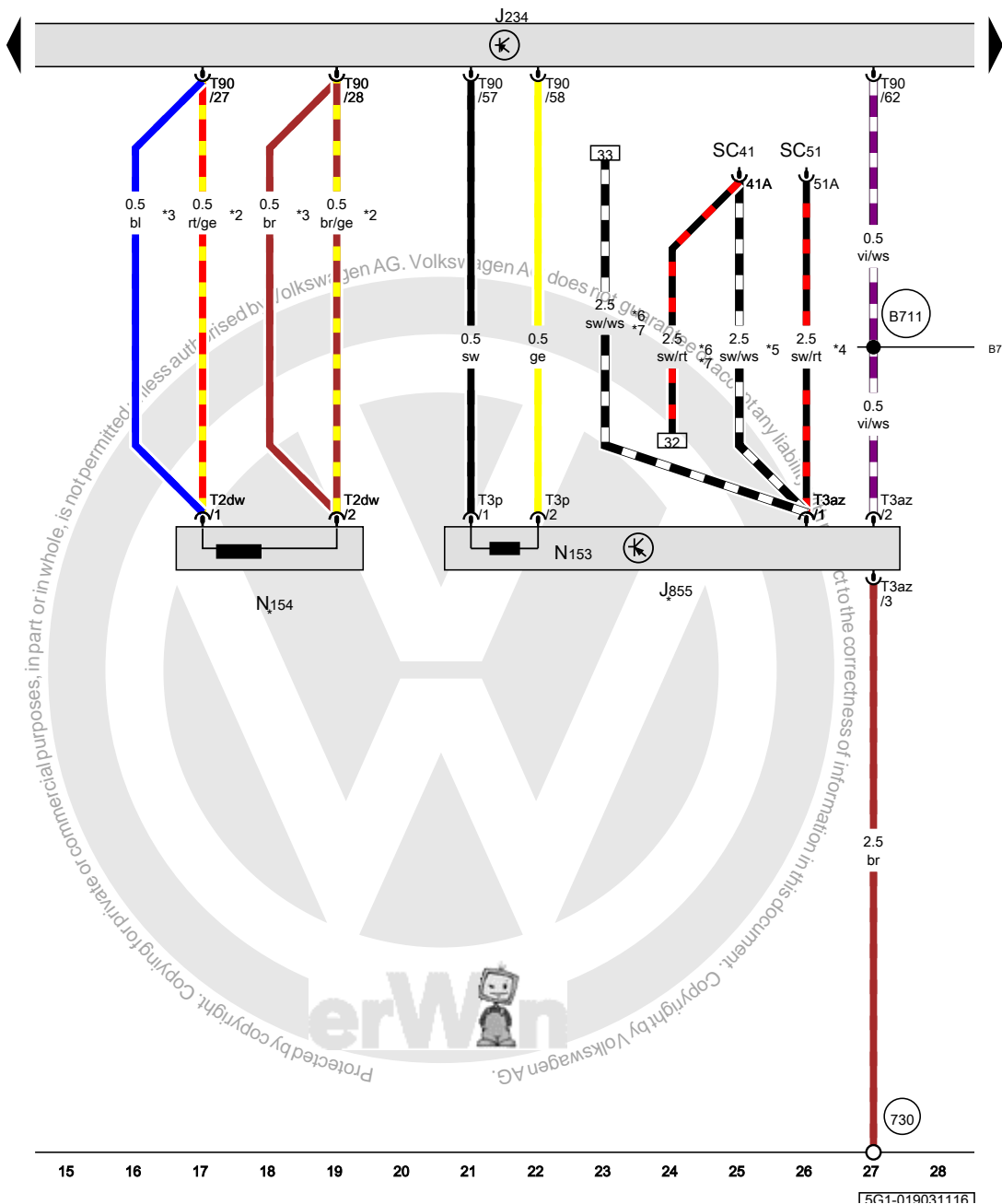
15G1-0190211161

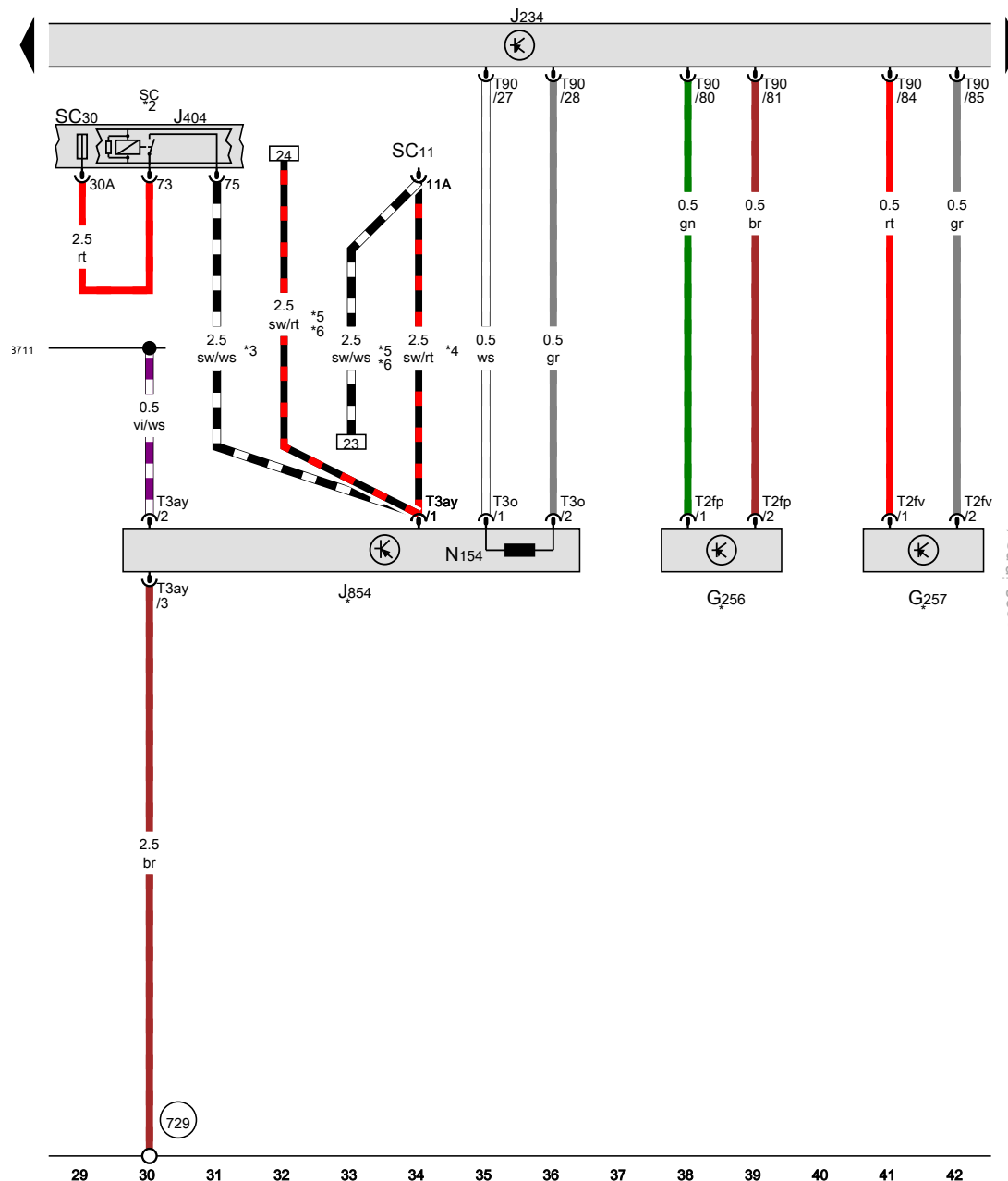
Airbag control unit, Control unit for front right belt tensioner, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1

- J234 Airbag control unit
- J855 Control unit for front right belt tensioner
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- SC41 Fuse 41 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T2dw 2-pin connector
- T3az 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector

- 730 Earth point 1, on right rear wheel housing
- B711 Connection 6 (LIN bus) in main wiring harness
- * According to equipment
- *2 Only models with 4-doors
- *3 Only models with 2-doors
- *4 Up to November 2013
- *5 From May 2014
- *6 From November 2013
- *7 Up to May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Terminal 15 relief relay, Control unit for front left belt tensioner, Front passenger seat belt tensioner igniter 1, Fuse holder C

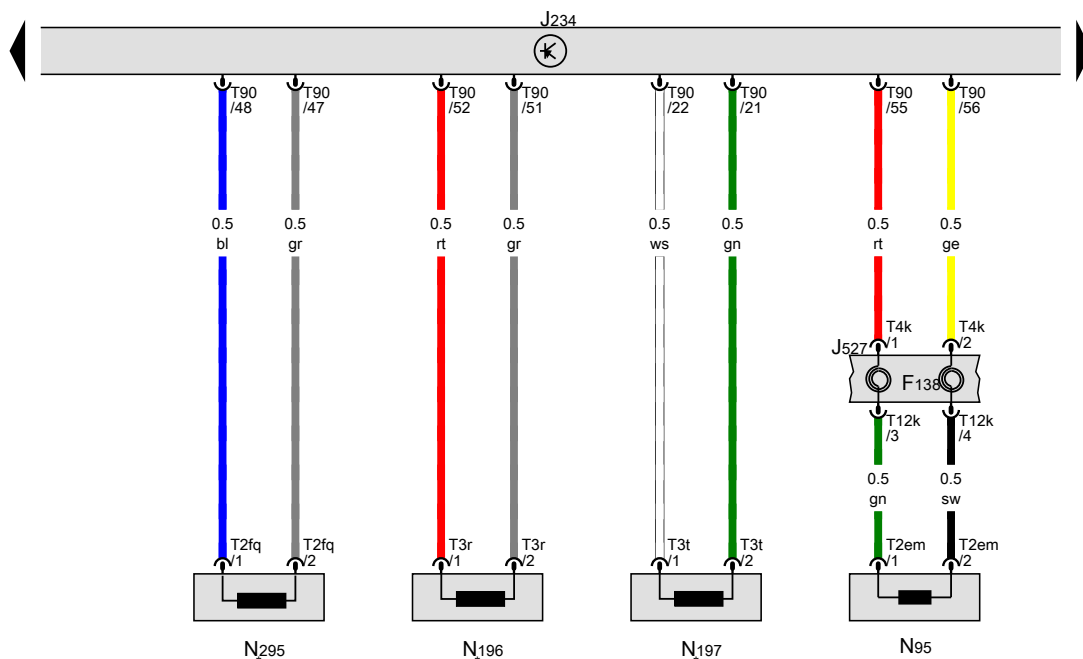
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J404 Terminal 15 relief relay
- J854 Control unit for front left belt tensioner
- N154 Front passenger seat belt tensioner igniter 1
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- T2fp 2-pin connector
- T2fv 2-pin connector
- T3ay 3-pin connector
- T3o 3-pin connector
- T90 90-pin connector

729 Earth point, on left rear wheel housing

B711 Connection 6 (LIN bus) in main wiring harness

- * According to equipment
- *2 see applicable current flow diagram for fuse assignment
- *3 Up to November 2013
- *4 From May 2014
- *5 From November 2013
- *6 Up to May 2014

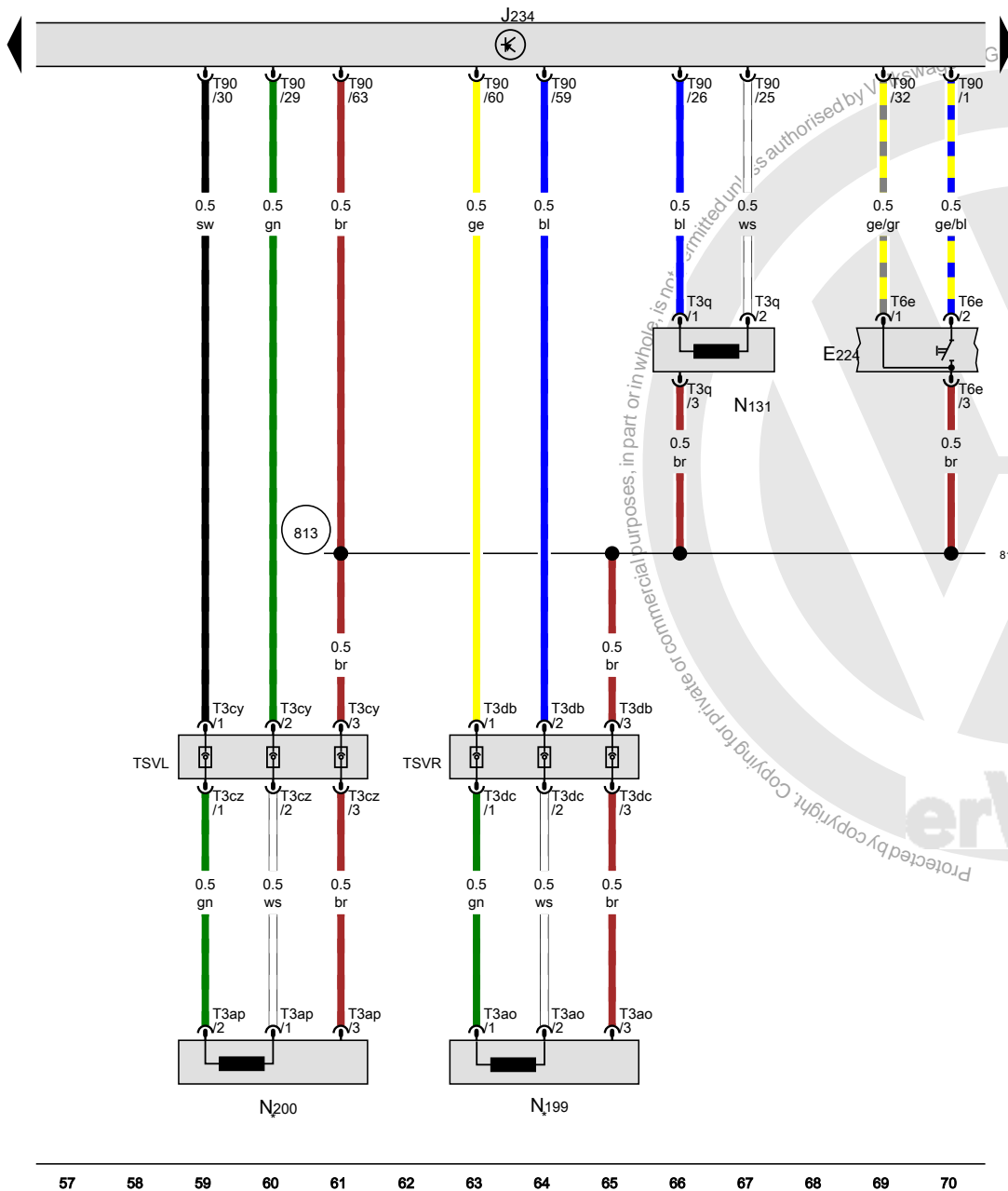
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Driver side airbag igniter, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Driver side knee airbag igniter

F138	Airbag coil connector and return ring with slip ring
J234	Airbag control unit
J527	Steering column electronics control unit
N95	Driver side airbag igniter
N196	Rear belt tensioner igniter on driver side
N197	Rear belt tensioner igniter on passenger side
N295	Driver side knee airbag igniter
T2em	2-pin connector
T2fq	2-pin connector
T3r	3-pin connector
T3t	3-pin connector
T4k	4-pin connector
T12k	12-pin connector
T90	90-pin connector
*	According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Key operated switch to deactivate front passenger side airbag, Airbag control unit, Front passenger side airbag igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- E224 Key operated switch to deactivate front passenger side airbag
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T3ao 3-pin connector
- T3ap 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T3q 3-pin connector
- T6e 6-pin connector
- T90 90-pin connector
- TSVL Coupling point for front left seat
- TSVR Coupling point for front right seat
- 813 Earth connection 4, in airbag wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



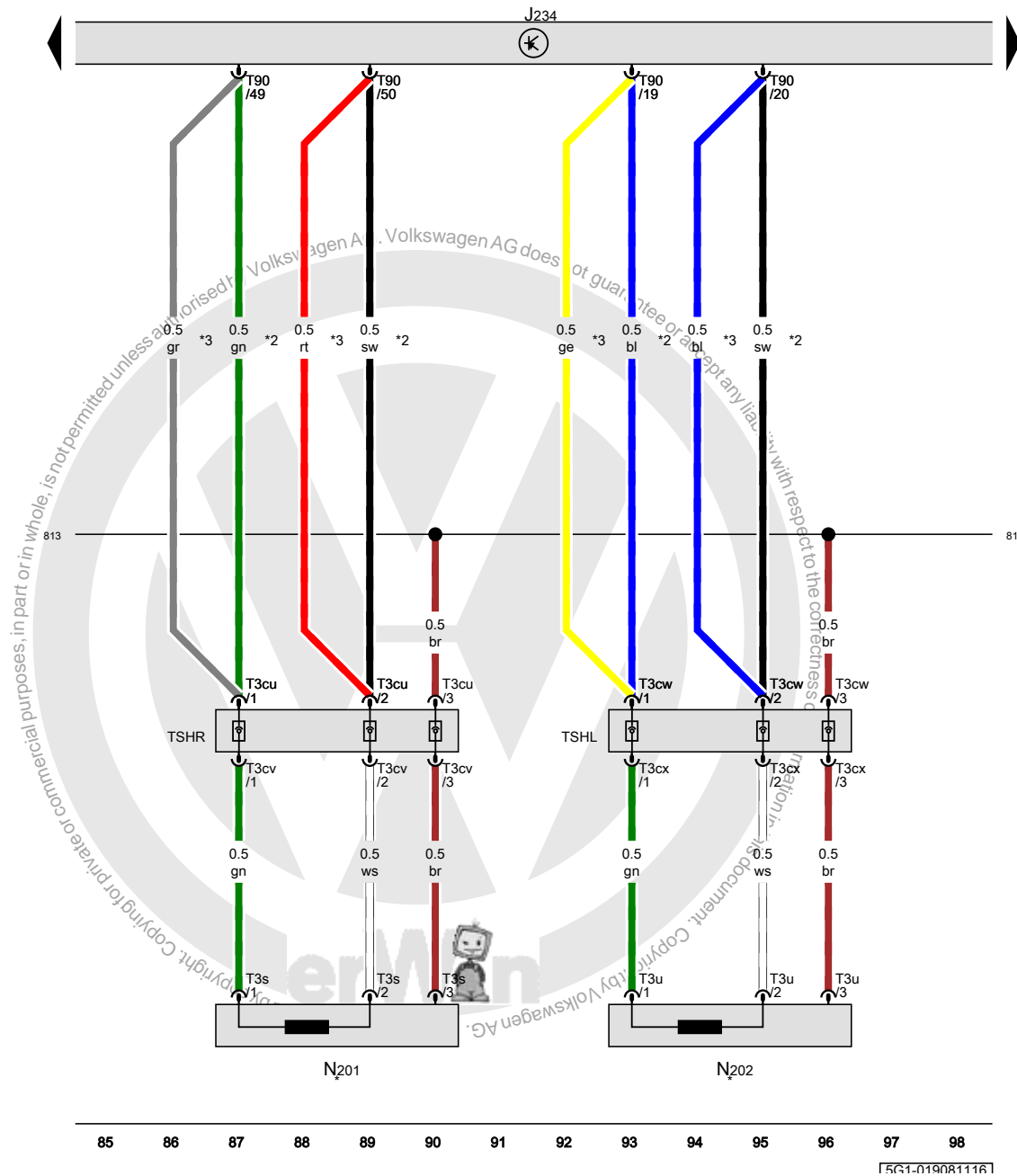
Airbag control unit, Rear side airbag igniter on driver side,
Rear side airbag igniter on passenger side

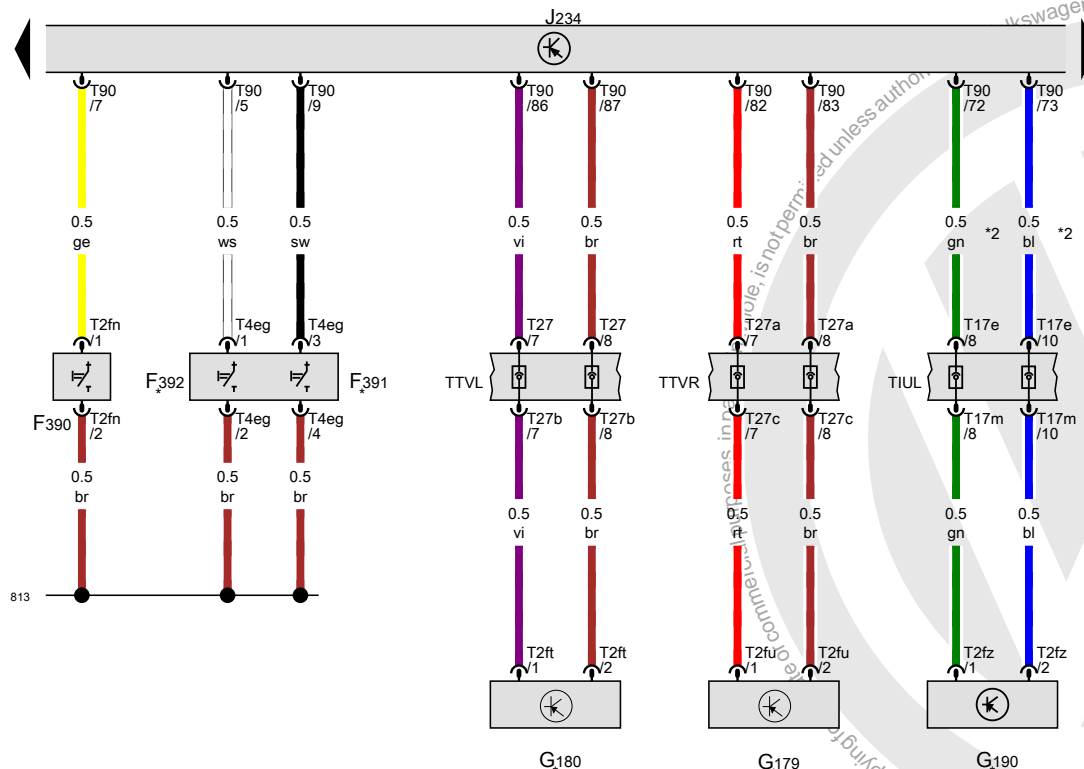
- J234 Airbag control unit
N201 Rear side airbag igniter on driver side
N202 Rear side airbag igniter on passenger side
T3cu 3-pin connector, black
T3cv 3-pin connector, black
T3cw 3-pin connector, black
T3cx 3-pin connector, black
T3s 3-pin connector
T3u 3-pin connector
T90 90-pin connector
TSHL Coupling point for rear left seat
TSHR Coupling point for rear right seat

813 Earth connection 4, in airbag wiring harness

- * According to equipment
*2 Up to May 2014
*3 From May 2014

- ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink





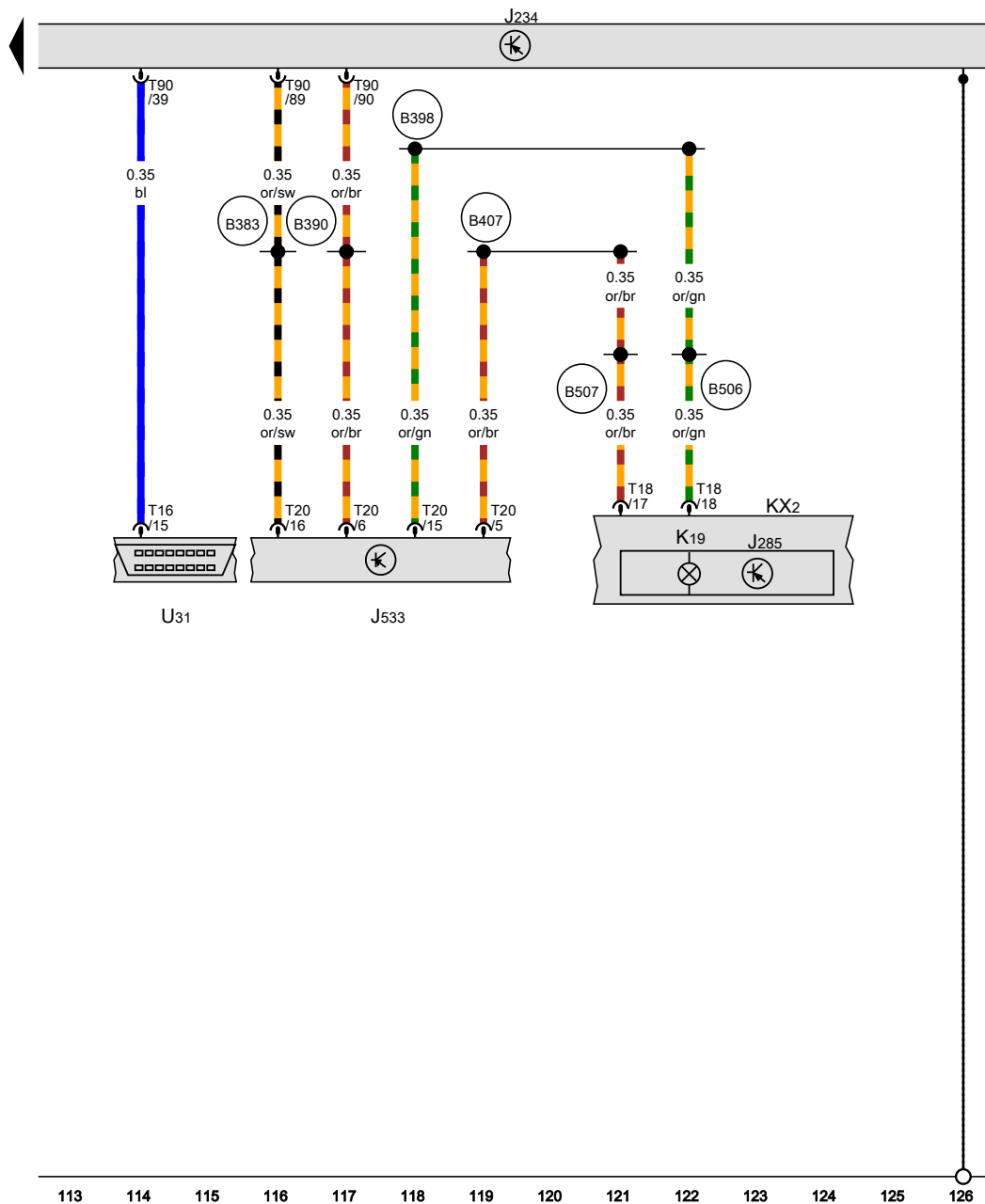
Belt switch for seat row 2, driver side, Belt switch for seat row 2, middle, Belt switch for seat row 2, passenger side, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Crash sensor for front airbag, Airbag control unit

- F390 Belt switch for seat row 2, driver side
- F391 Belt switch for seat row 2, middle
- F392 Belt switch for seat row 2, passenger side
- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G190 Crash sensor for front airbag
- J234 Airbag control unit
- T2fn 2-pin connector
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2fz 2-pin connector
- T4eg 4-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

813 Earth connection 4, in airbag wiring harness

- * According to equipment
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Airbag control unit, Data bus diagnostic interface, Dash panel insert, Diagnostic connection

- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T16 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T90 90-pin connector
- U31 Diagnostic connection

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Earth supply via housing from airbag control unit

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

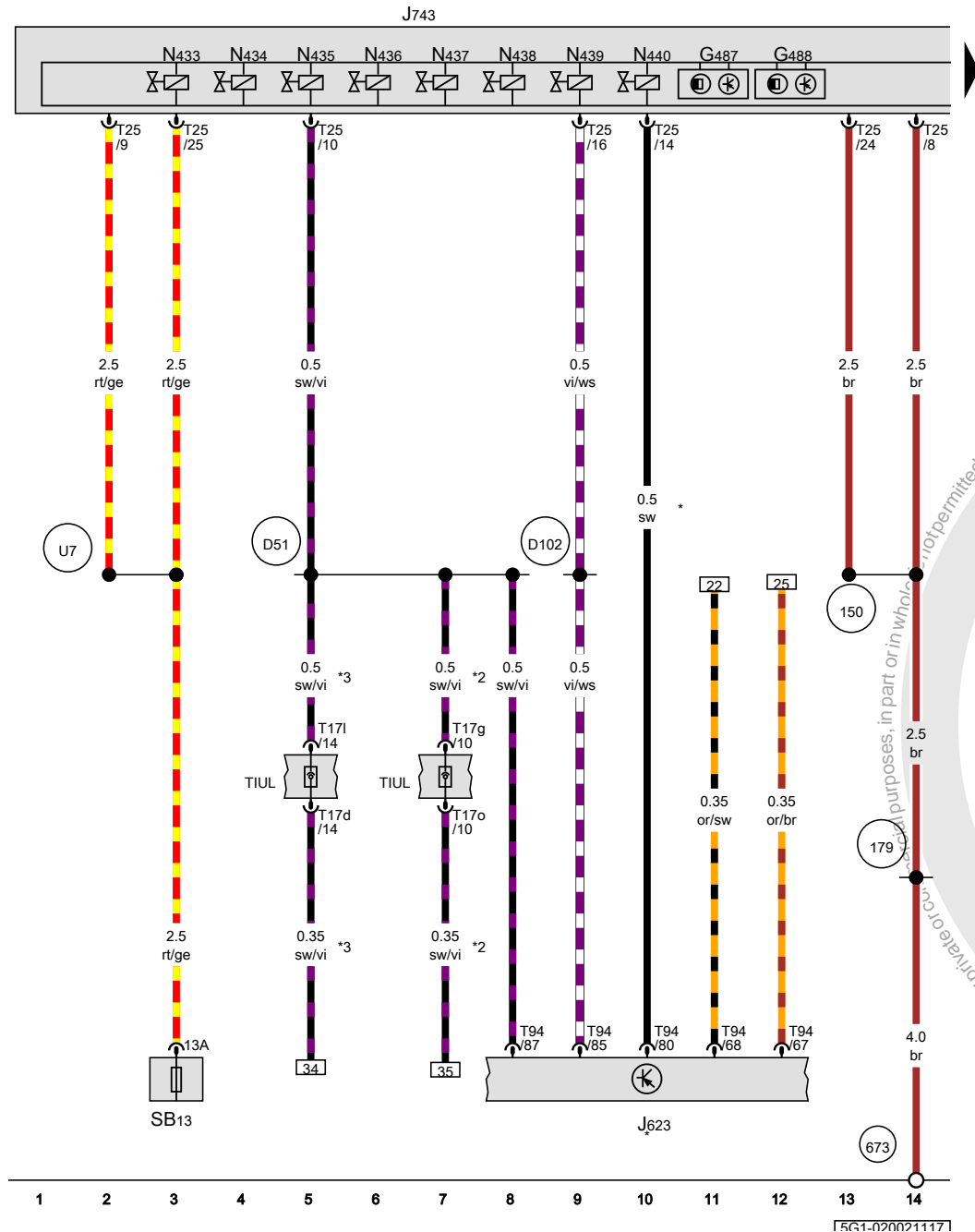
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Dual clutch gearbox 0CW , (0EG)

From August 2012

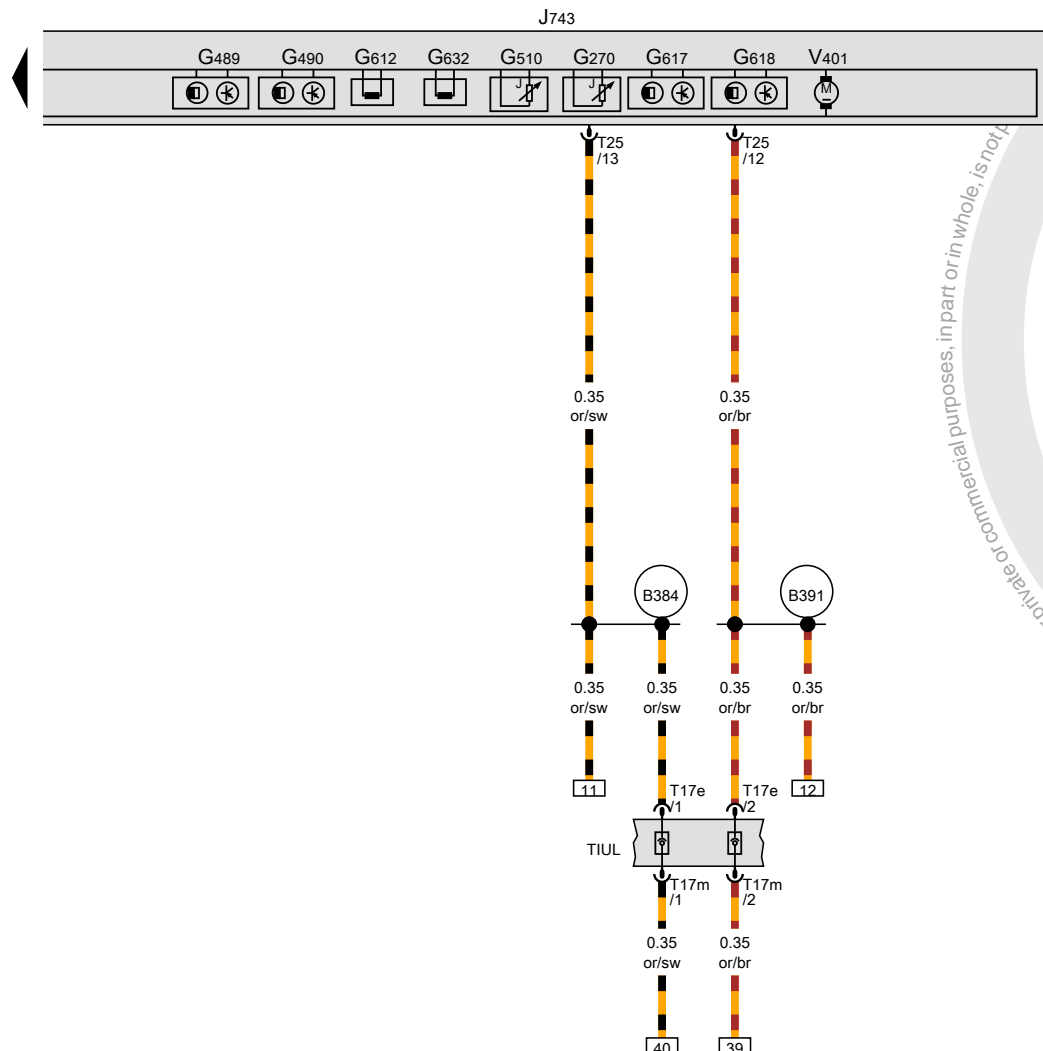


Engine/motor control unit, Mechatronic unit for dual clutch gearbox



- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- N433 Valve 1 in gear train half 1
- N434 Valve 2 in gear train half 1
- N435 Valve 3 in gear train half 1
- N436 Valve 4 in gear train half 1
- N437 Valve 1 in gear train half 2
- N438 Valve 2 in gear train half 2
- N439 Valve 3 in gear train half 2
- N440 Valve 4 in gear train half 2
- SB13 Fuse 13 on fuse holder B
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- 150 Earth connection 2 in automatic gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- U7 Connection (87), in automatic gearbox wiring harness
- * see applicable current flow diagram for engine
- *2 Up to November 2017
- *3 From November 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

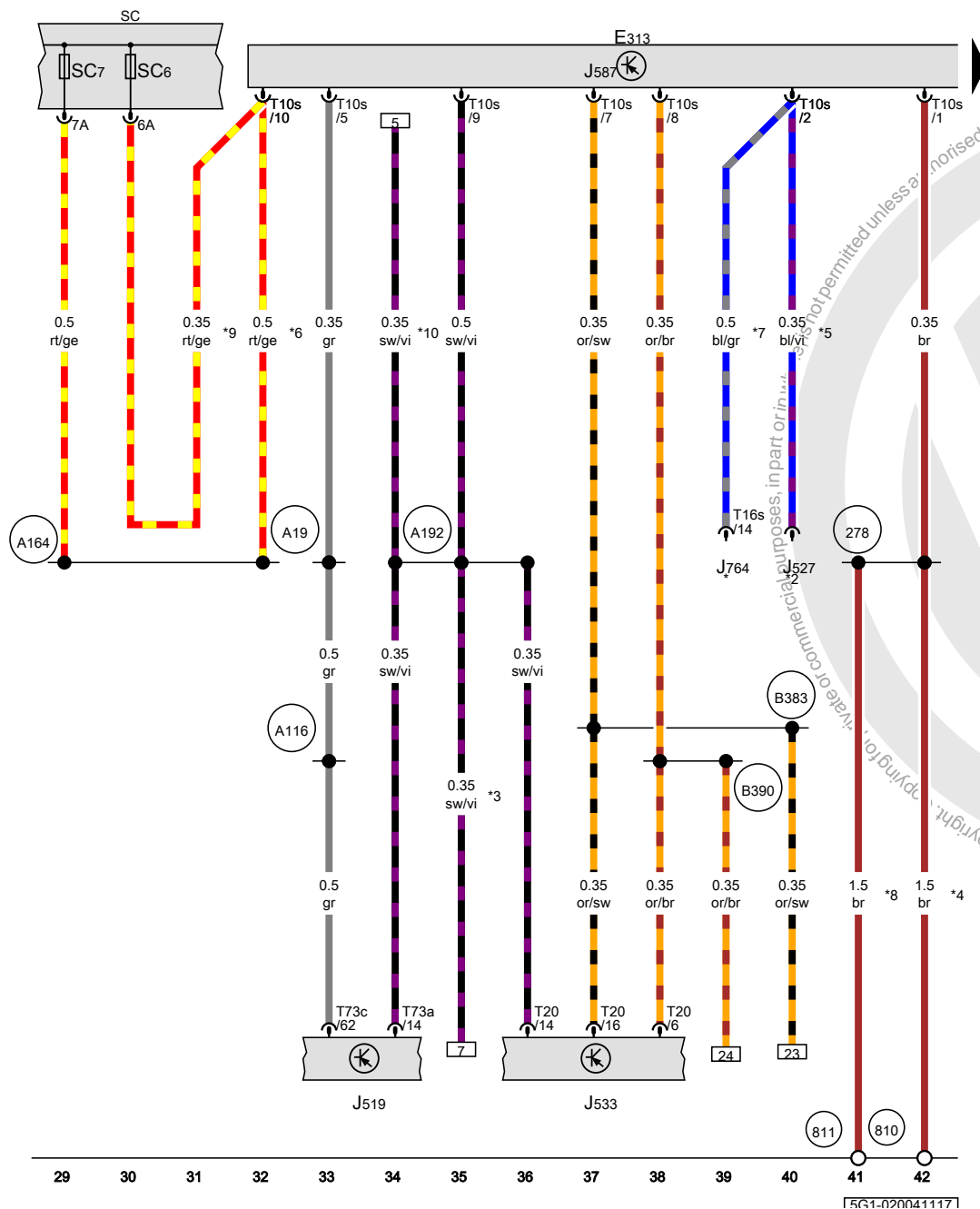


Mechatronic unit for dual clutch gearbox

- G270 Gearbox hydraulic pressure sender
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G510 Temperature sender in control unit
- G612 Gearbox input speed sender 2
- G617 Clutch travel sender 1
- G618 Clutch travel sender 2
- G632 Gearbox input speed sender 1
- J743 Mechatronic unit for dual clutch gearbox
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T25 25-pin connector
- TIUL Coupling point in interior, below left
- V401 Hydraulic pump motor

- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



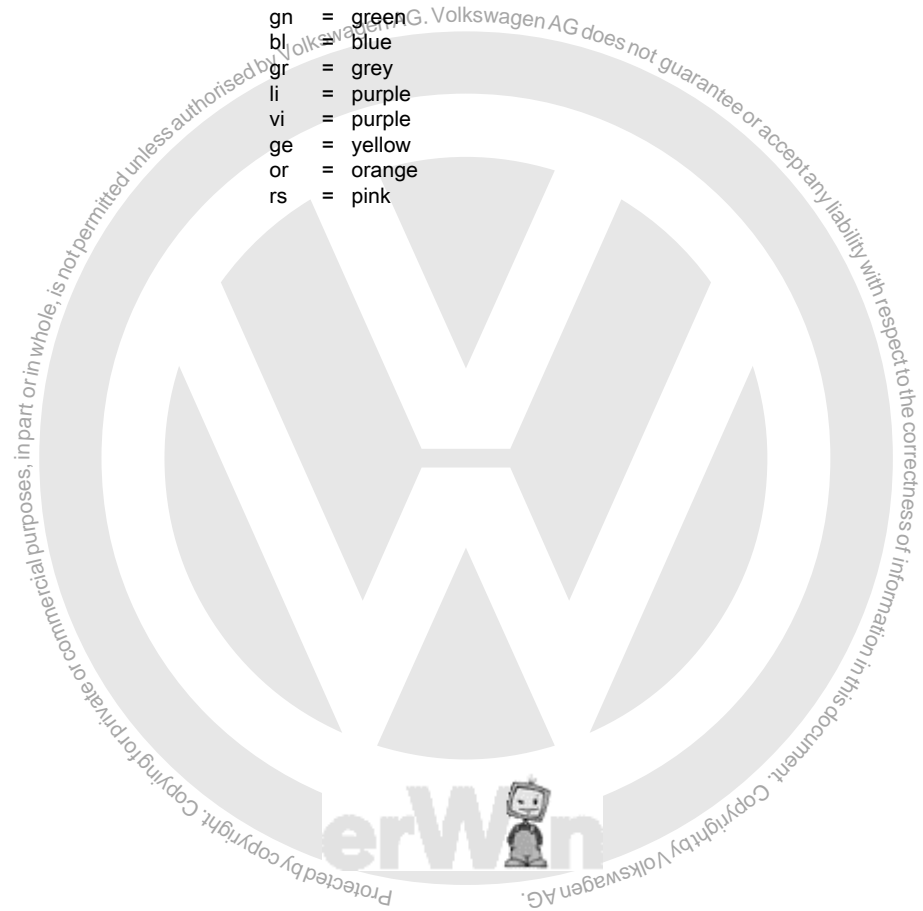
Selector lever, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Selector lever sensors control unit, Control unit for electronic steering column lock, Fuse holder C

- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J587 Selector lever sensors control unit
- J764 Control unit for electronic steering column lock
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T10s 10-pin connector
- T16s 16-pin connector
- T20 20-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * For models with start/stop system
- *2 see applicable current flow diagram
- *3 Up to November 2017
- *4 For left-hand drive models
- *5 Wiring colour depends on equipment
- *6 Up to November 2015
- *7 Up to November 2013
- *8 For right-hand drive models

15G1-020041117

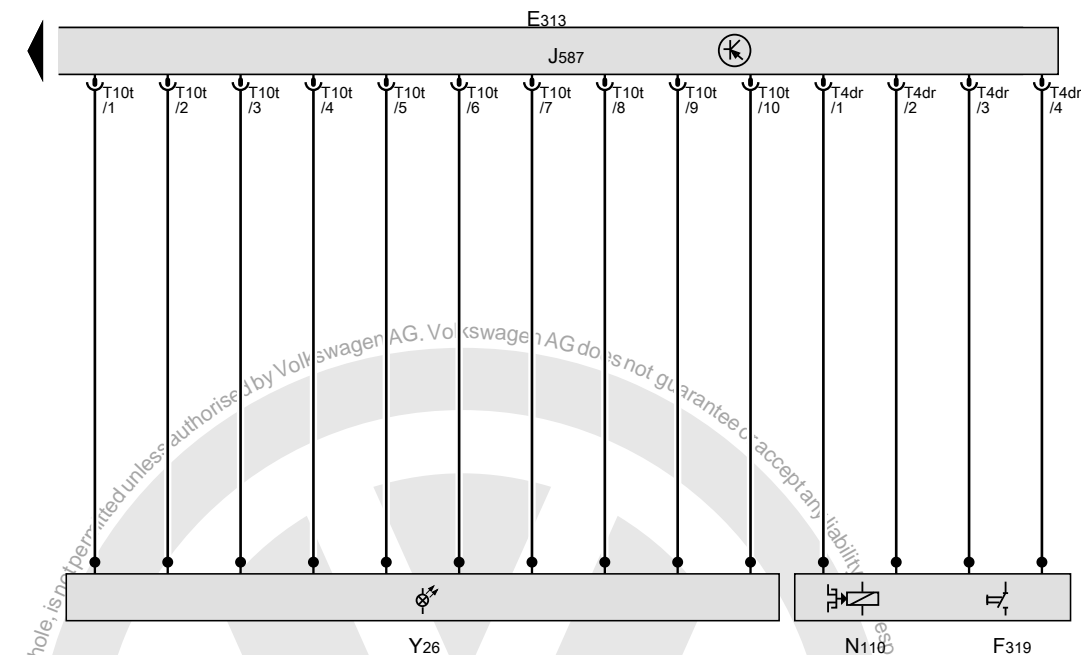
ws = white

sw	=	black	*9	From November 2015
ro	=	red	*10	From November 2017
rt	=	red		
br	=	brown		
gn	=	green		
bl	=	blue		
gr	=	grey		
li	=	purple		
vi	=	purple		
ge	=	yellow		
or	=	orange		
rs	=	pink		



Selector lever, Selector lever locked in position P switch,
Selector lever sensors control unit, Selector lever lock
solenoid, Selector lever position display

- E313 Selector lever
- F319 Selector lever locked in position P switch
- J587 Selector lever sensors control unit
- N110 Selector lever lock solenoid
- T4dr 4-pin connector
- T10t 10-pin connector
- Y26 Selector lever position display



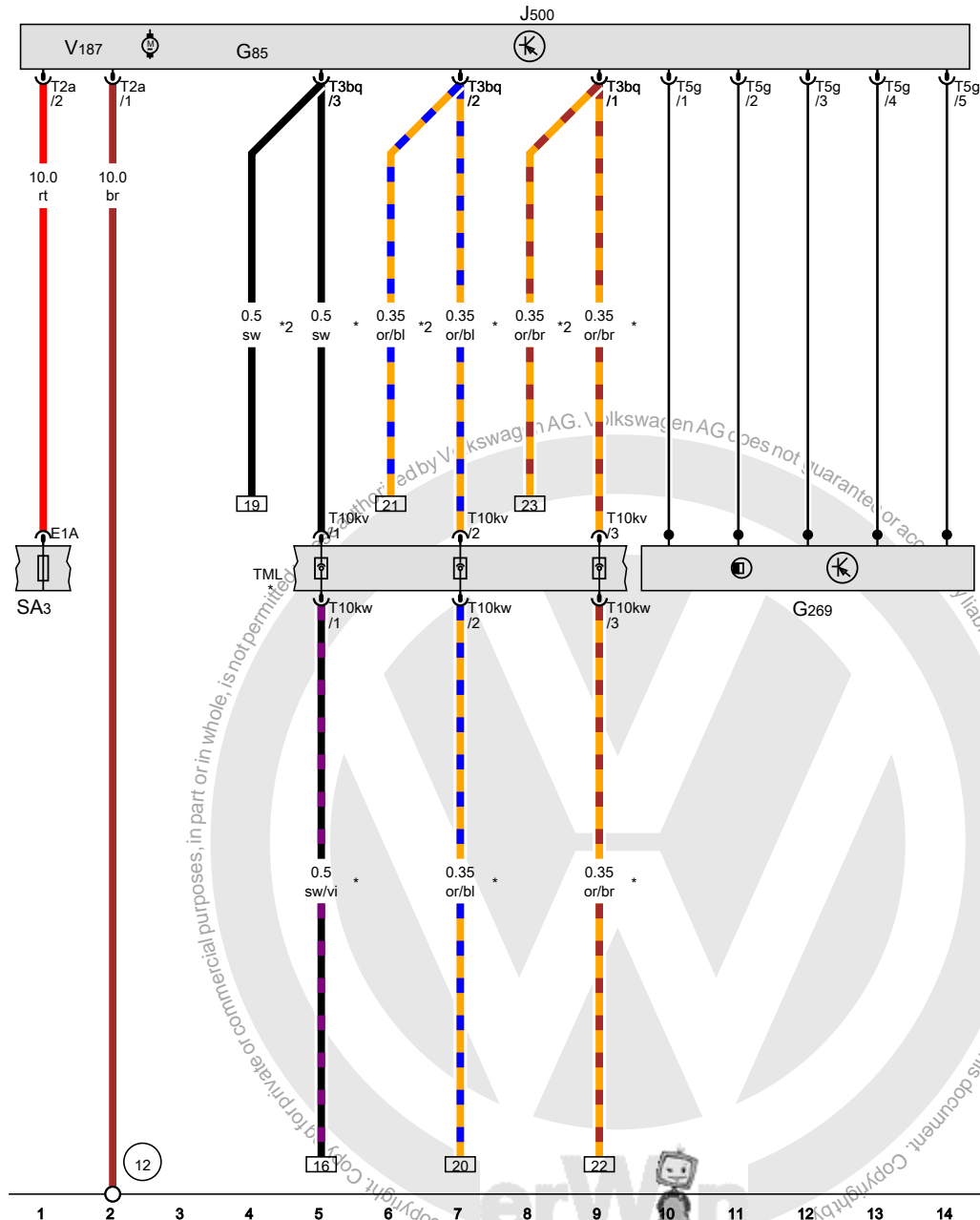
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Electromechanical steering

From August 2012



Steering angle sender, Steering moment sender, Power steering control unit, Electromechanical power steering motor



- G85 Steering angle sender
- G269 Steering moment sender
- J500 Power steering control unit
- SA3 Fuse 3 on fuse holder A
- T2a 2-pin connector
- T3bq 3-pin connector
- T5g 5-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- TML Coupling point in engine compartment, left
- V187 Electromechanical power steering motor
- 12 Earth point, on left in engine compartment
- * For models with diesel engine
- *2 For models with petrol engine

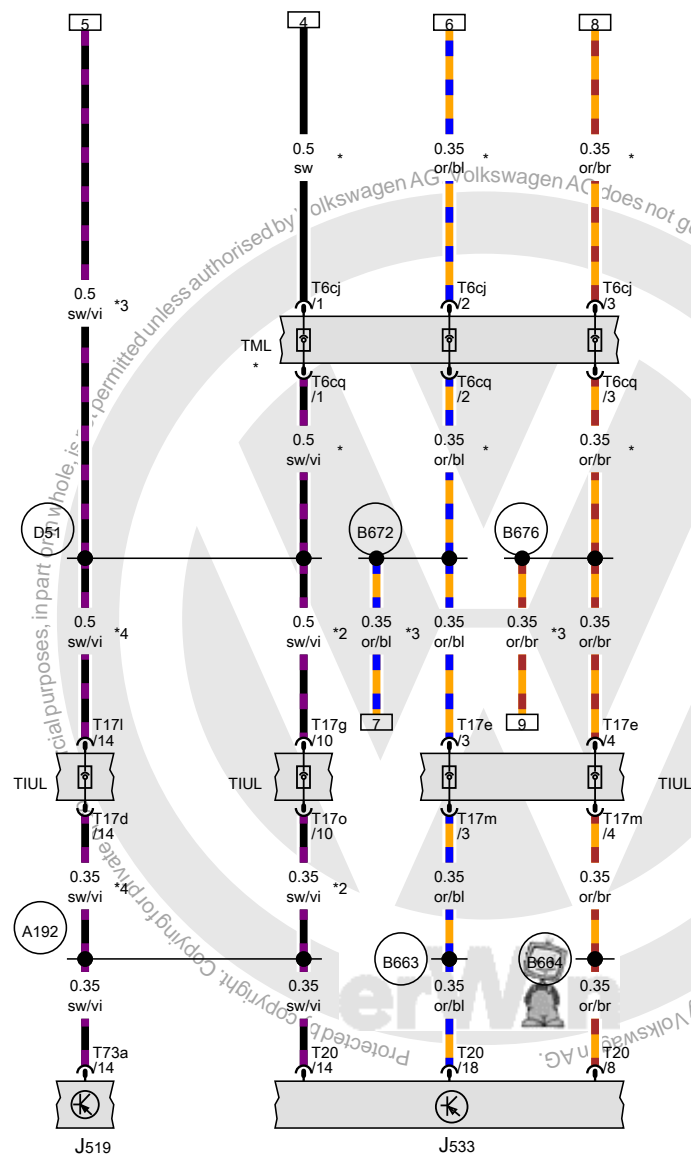
Onboard supply control unit, Data bus diagnostic interface

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T17d 17-pin connector, black
- T17e 17-pin connector, brown
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17m 17-pin connector, brown
- T17o 17-pin connector, blue
- T20 20-pin connector
- T73a 73-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

- (A192) Positive connection 3 (15a) in dash panel wiring harness
- (B663) Connection (running gear sensors CAN bus, high), in main wiring harness
- (B664) Connection (running gear sensors CAN bus, low), in main wiring harness
- (B672) Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- (B676) Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness
- (D51) Positive connection 1 (15), in engine compartment wiring harness

- * For models with petrol engine
- *2 Up to November 2017
- *3 For models with diesel engine
- *4 From November 2017

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Parking aid (PDC) with park assist steering (Park Assist) , (7X1),(7X5),(7X2)

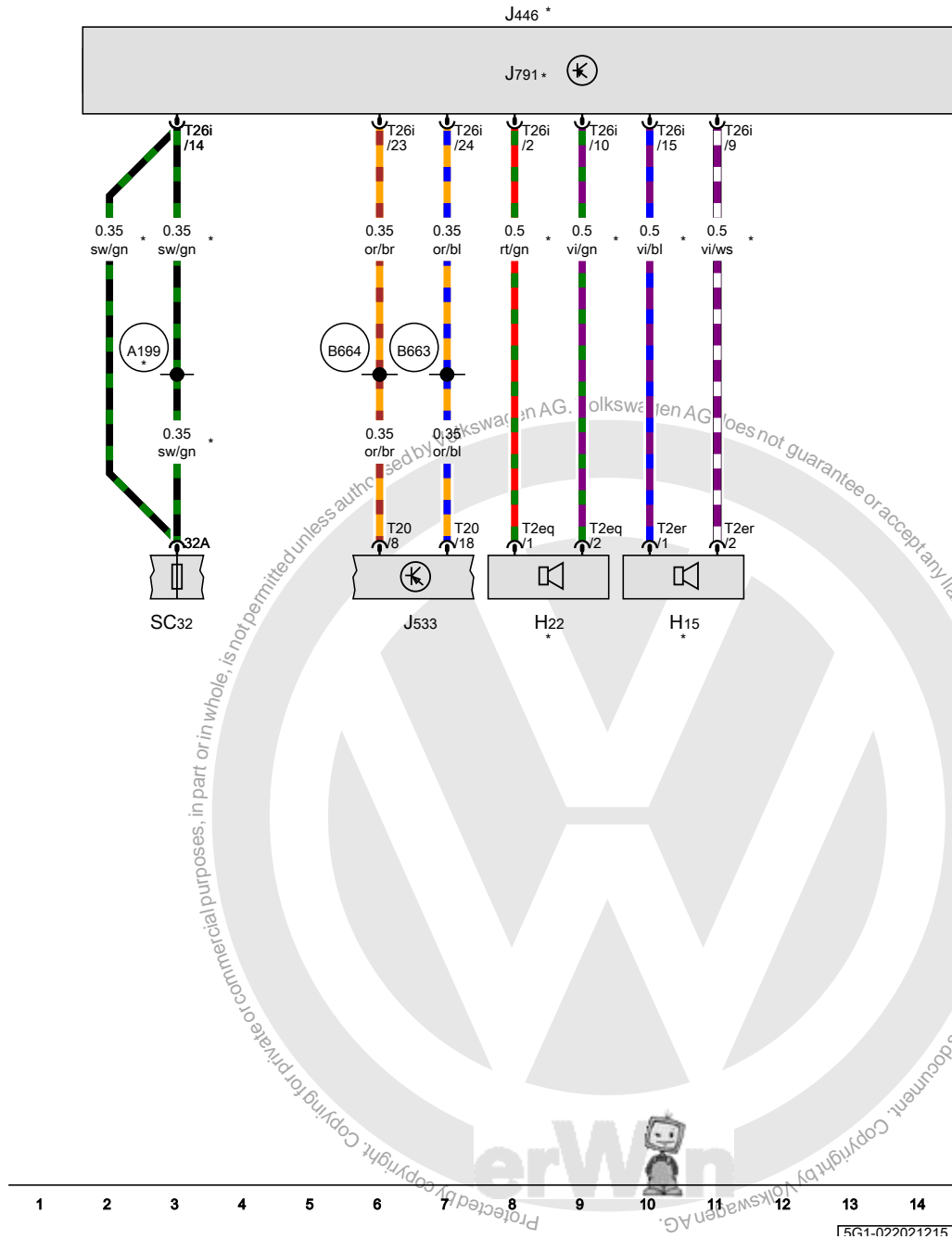
From August 2012



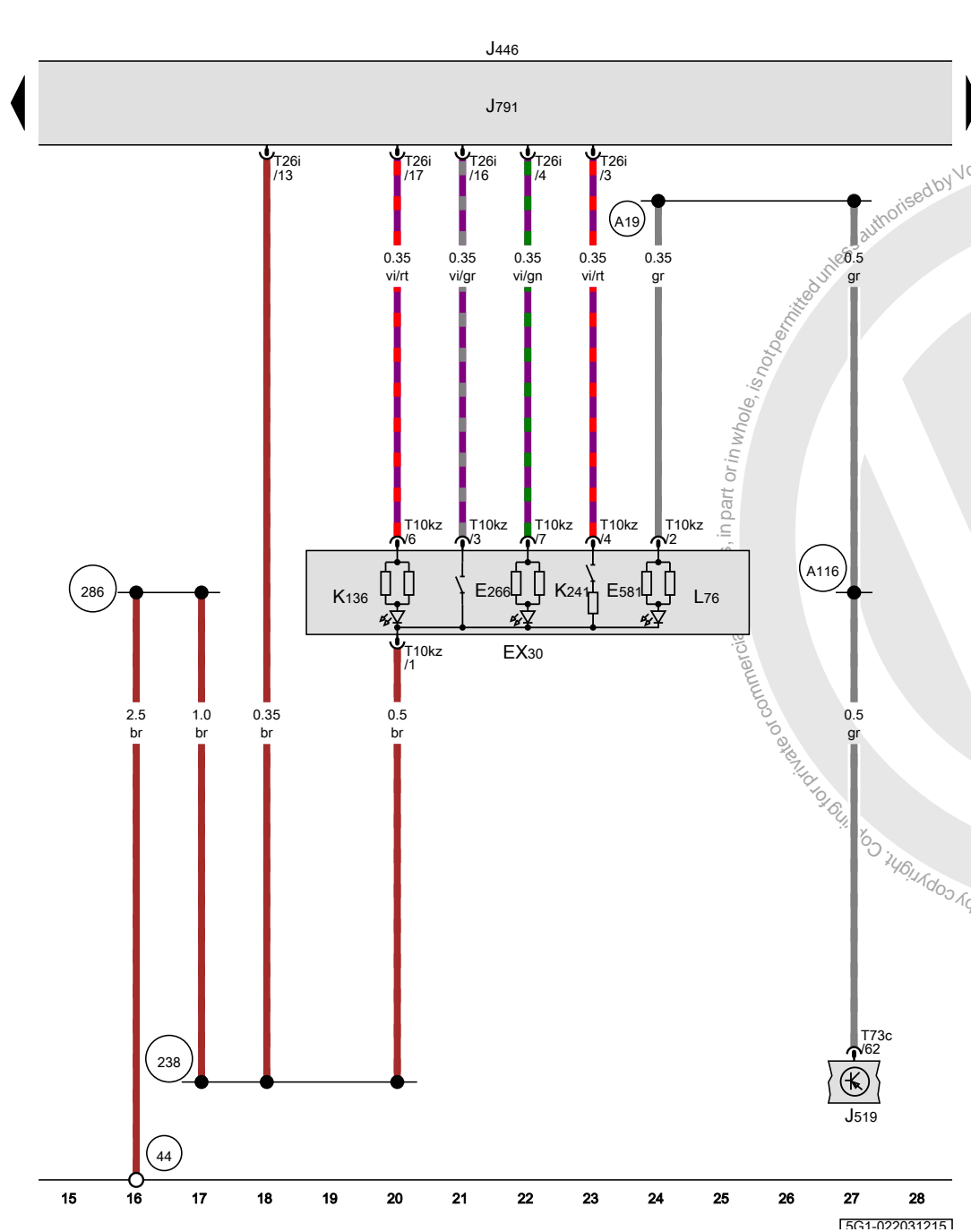
Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control unit, Data bus diagnostic interface, Park assist steering control unit

- H15 Rear parking aid warning buzzer
- H22 Front parking aid warning buzzer
- J446 Parking aid control unit
- J533 Data bus diagnostic interface
- J791 Park assist steering control unit
- SC32 Fuse 32 on fuse holder C
- T2eq 2-pin connector
- T2er 2-pin connector
- T20 20-pin connector
- T26i 26-pin connector

- A199 Positive connection 4 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- * According to equipment



- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

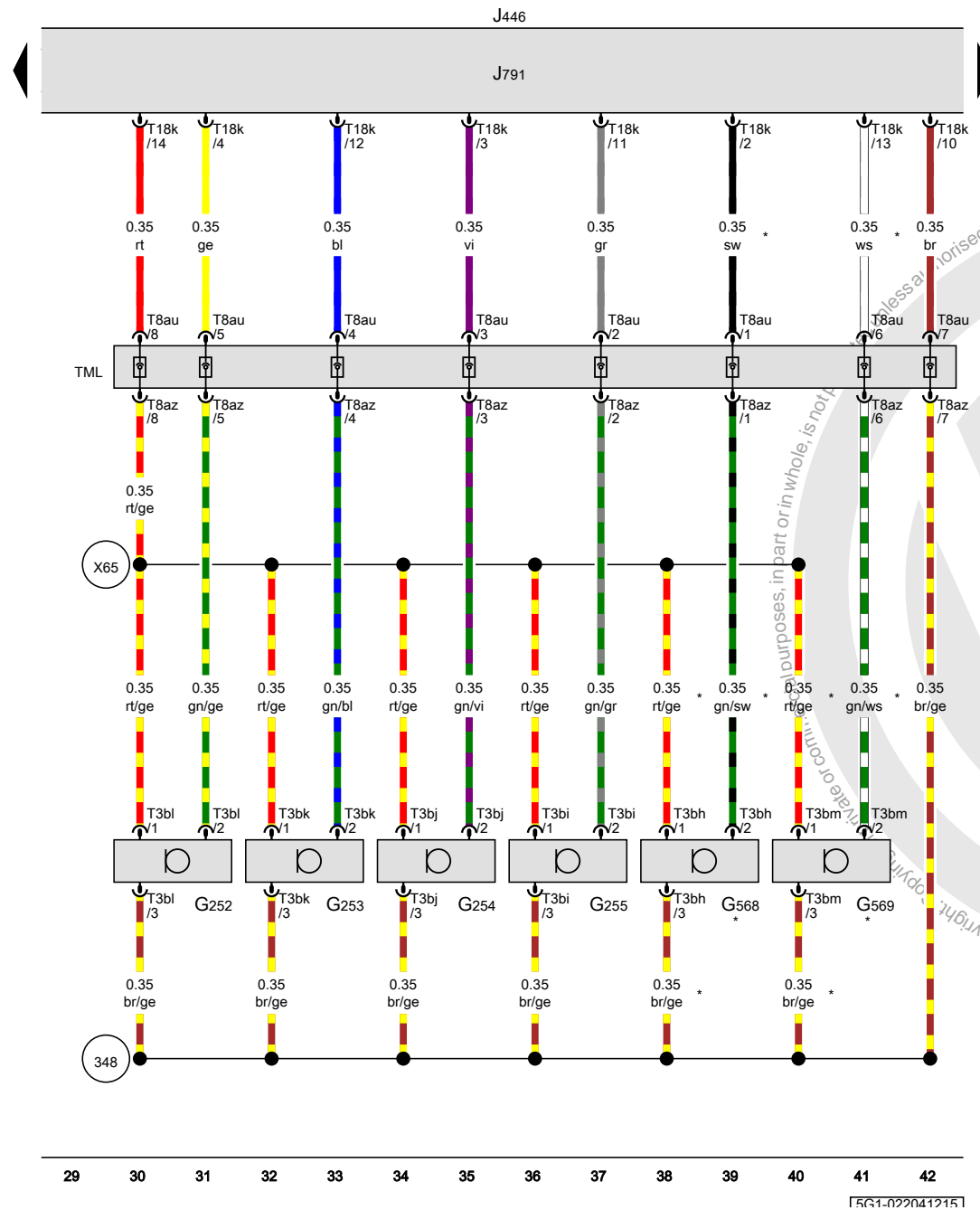


Switch module 2 in centre console, Park assist steering button, Parking aid control unit, Onboard supply control unit, Park assist steering control unit

- EX30 Switch module 2 in centre console
- E266 Parking aid button
- E581 Park assist steering button
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J791 Park assist steering control unit
- K136 Parking aid warning lamp
- K241 Warning light for park assist steering
- L76 Button illumination bulb
- T10kz 10-pin connector
- T26i 26-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

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- vi = purple
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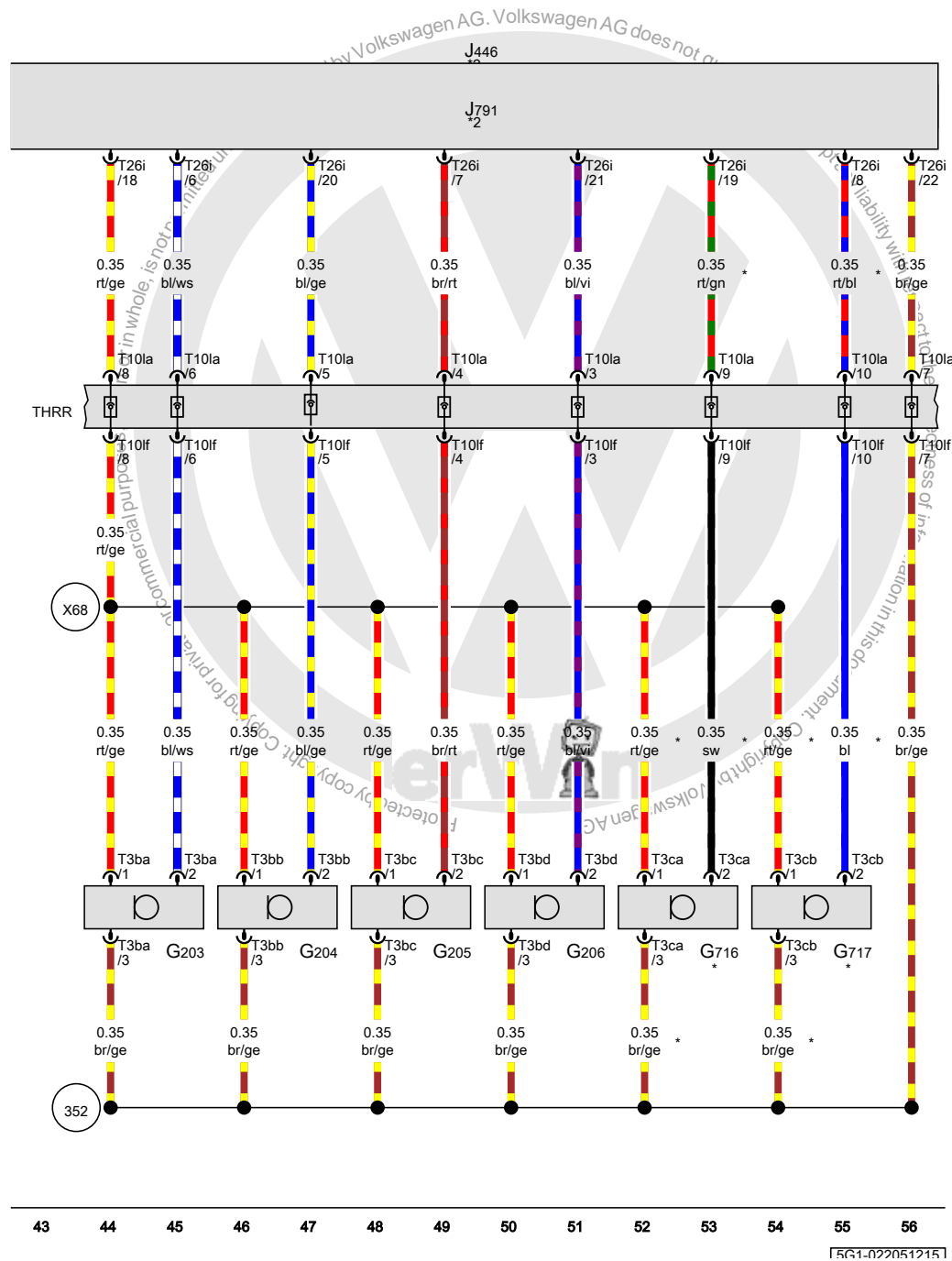


Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Front left sender for park assist steering on left side of vehicle, Front right sender for park assist steering on right side of vehicle, Parking aid control unit, Park assist steering control unit

- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- G568 Front left sender for park assist steering on left side of vehicle
- G569 Front right sender for park assist steering on right side of vehicle
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3bh 3-pin connector
- T3bi 3-pin connector
- T3bj 3-pin connector
- T3bk 3-pin connector
- T3bl 3-pin connector
- T3bm 3-pin connector
- T8au 8-pin connector, black
- T8az 8-pin connector, black
- T18k 18-pin connector
- TML Coupling point in engine compartment, left
- 348 Earth connection (parking aid), in front bumper wiring harness
- X65 Connection (parking aid), in front bumper wiring harness
- * Only models with park assist steering

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15G1-022041215



Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Rear left park assist steering sender, Rear right park assist steering sender, Parking aid control unit, Park assist steering control unit

- G203 Rear left parking aid sender
- G204 Rear centre left parking aid sender
- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- G716 Rear left park assist steering sender
- G717 Rear right park assist steering sender
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3ba 3-pin connector
- T3bb 3-pin connector
- T3bc 3-pin connector
- T3bd 3-pin connector
- T3ca 3-pin connector
- T3cb 3-pin connector
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T26i 26-pin connector
- THRR Coupling point in luggage compartment, right

352 Earth connection (parking aid), in rear bumper wiring harness

X68 Positive connection (parking aid), in rear bumper wiring harness

* Only models with park assist steering

*2 According to equipment

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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

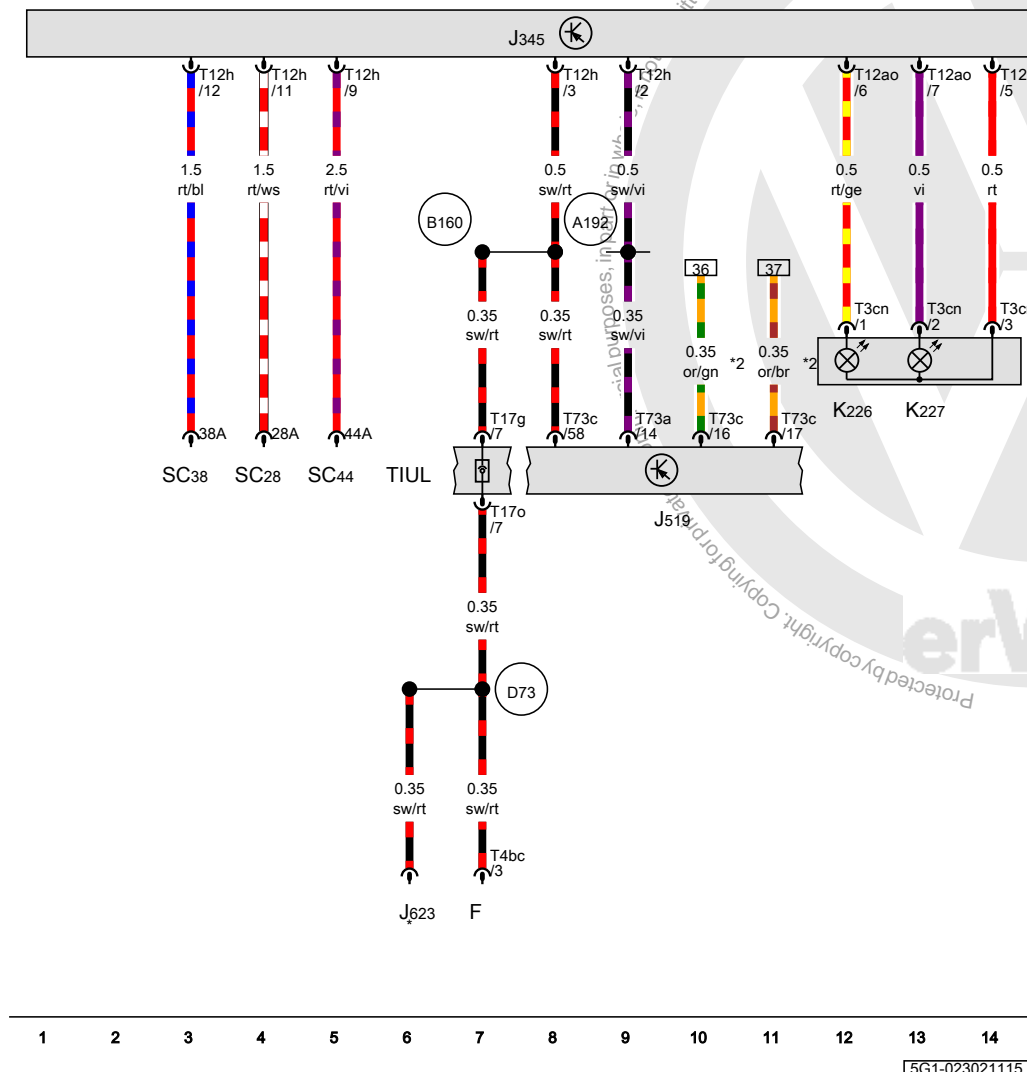
Trailer coupling , (1D4),(1M5)

From August 2012



Brake light switch, Trailer detector control unit, Onboard supply control unit, Engine control unit, Towing bracket locked warning lamp, Towing bracket released warning lamp

- F Brake light switch
- J345 Trailer detector control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- K226 Towing bracket locked warning lamp
- K227 Towing bracket released warning lamp
- SC28 Fuse 28 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T3cn 3-pin connector
- T4bc 4-pin connector
- T12ao 12-pin connector
- T12h 12-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with preparation for trailer coupling

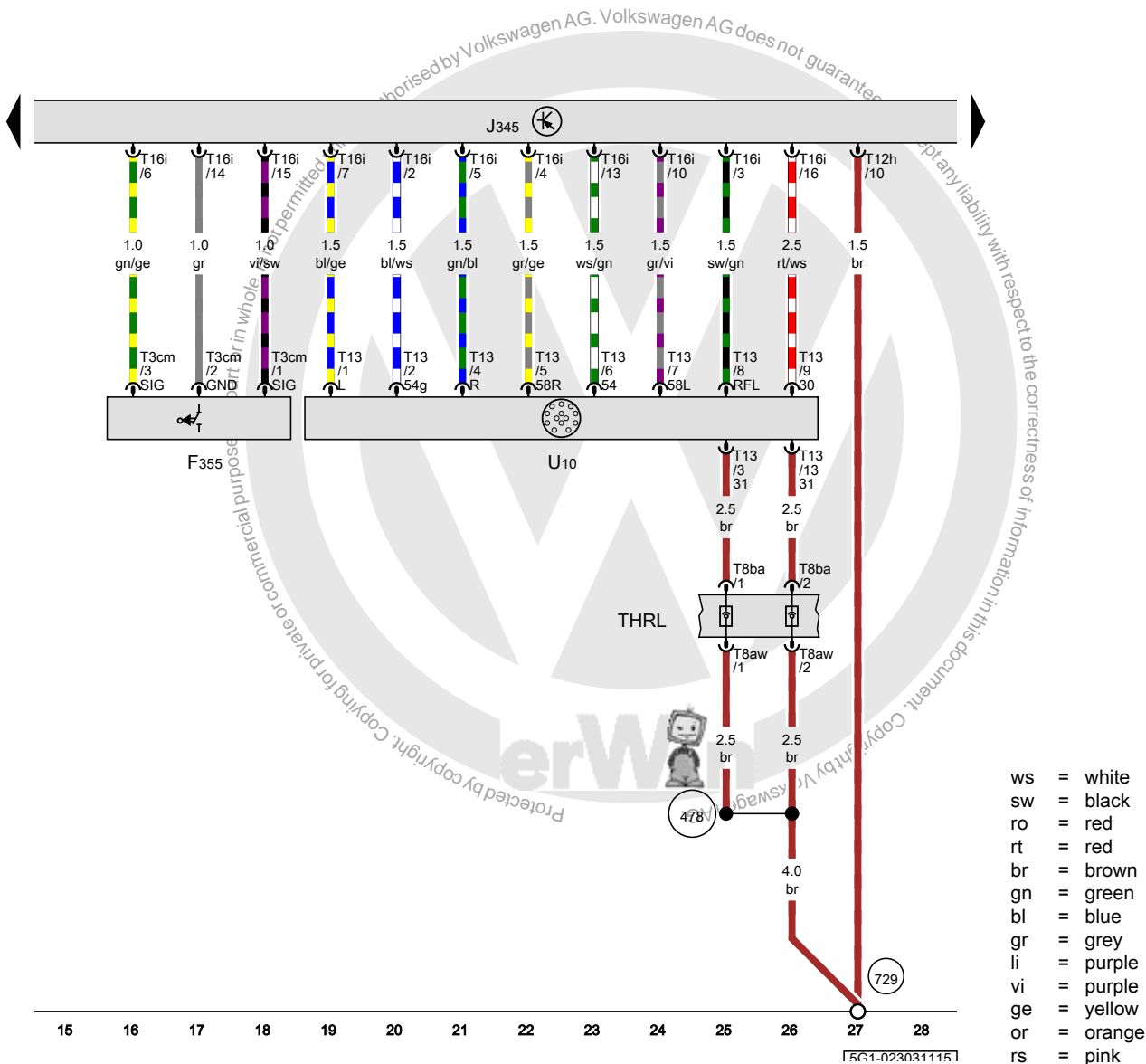


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Contact switch on locking pin, Trailer detector control unit, Trailer socket

- F355 Contact switch on locking pin
- J345 Trailer detector control unit
- T3cm 3-pin connector
- T8aw 8-pin connector, black
- T8ba 8-pin connector, black
- T12h 12-pin connector
- T13 13-pin connector
- T16i 16-pin connector
- THRL Coupling point in luggage compartment, left
- U10 Trailer socket

- 478 Earth connection 3, in rear lid wiring harness
- 729 Earth point, on left rear wheel housing



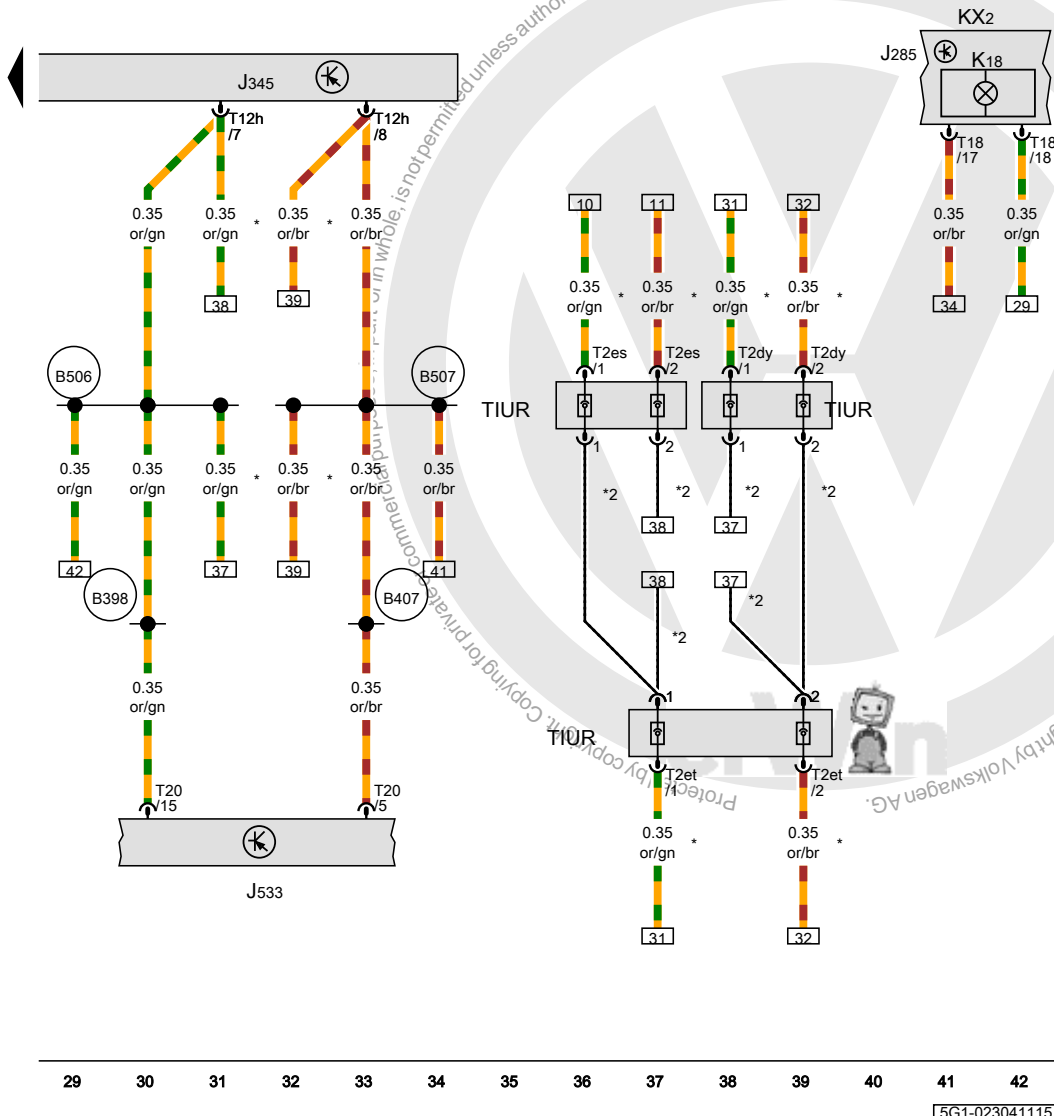
Control unit in dash panel insert, Trailer detector control unit, Data bus diagnostic interface, Dash panel insert, Trailer operation warning lamp

- J285 Control unit in dash panel insert
- J345 Trailer detector control unit
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K18 Trailer operation warning lamp
- T2dy 2-pin connector, blue
- T2es 2-pin connector, blue
- T2et 2-pin connector, blue
- T12h 12-pin connector
- T18 18-pin connector
- T20 20-pin connector
- TIUR Coupling point in interior, below right, near lower part of right A-pillar

- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

- * Only models with preparation for trailer coupling
- *2 Adapter wire

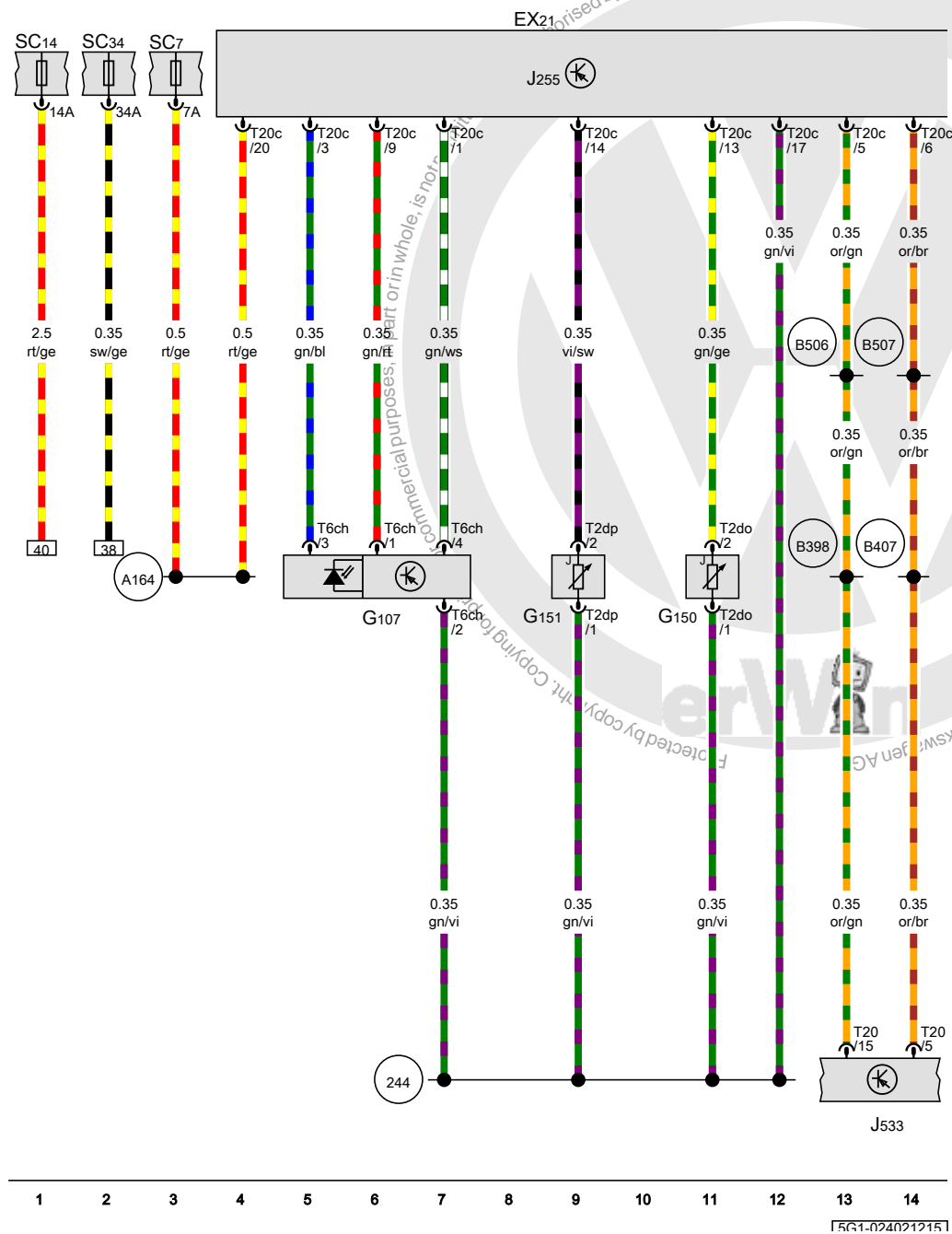
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Climatronic with 2-zone temperature control , (9AK)

From August 2012



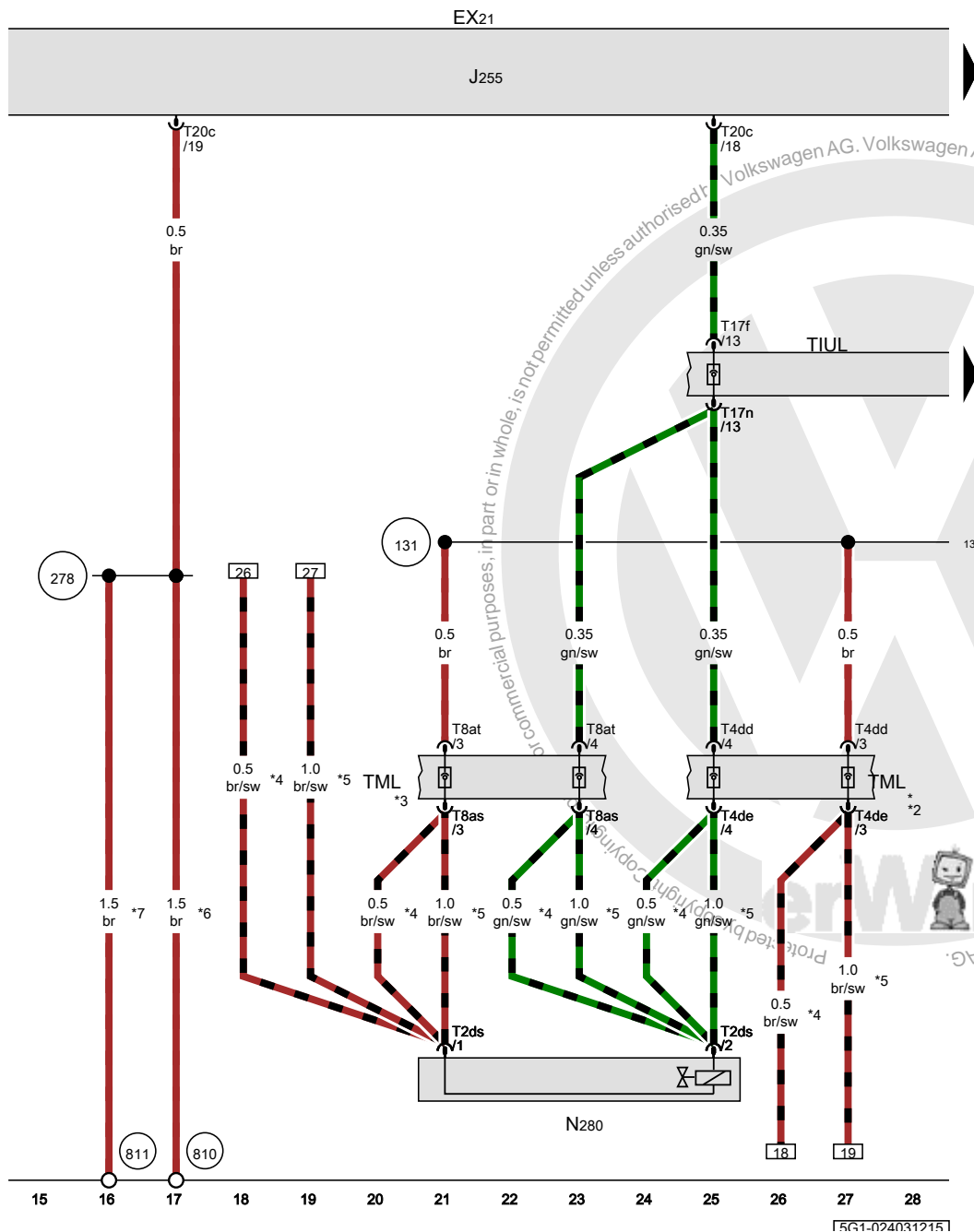


Heater and air conditioning controls, Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Climatronic control unit, Data bus diagnostic interface, Fuse 7 on fuse holder C, Fuse 14 on fuse holder C, Fuse 34 on fuse holder C

- | | |
|------|--|
| EX21 | Heater and air conditioning controls |
| G107 | Sunlight penetration photosensor |
| G150 | Left vent temperature sender |
| G151 | Right vent temperature sender |
| J255 | Climatronic control unit |
| J533 | Data bus diagnostic interface |
| SC7 | Fuse 7 on fuse holder C |
| SC14 | Fuse 14 on fuse holder C |
| SC34 | Fuse 34 on fuse holder C |
| T2do | 2-pin connector |
| T2dp | 2-pin connector |
| T6ch | 6-pin connector |
| T20 | 20-pin connector |
| T20c | 20-pin connector |
| 244 | Earth connection (sender earth), in Climatronic wiring harness |
| A164 | Positive connection 2 (30a) in dash panel wiring harness |
| B398 | Connection 2 (convenience CAN bus, high), in main wiring harness |
| B407 | Connection 2 (convenience CAN bus, low), in main wiring harness |
| B506 | Connection (convenience CAN bus, high), in interior wiring harness |
| B507 | Connection (convenience CAN bus, low), in interior wiring harness |

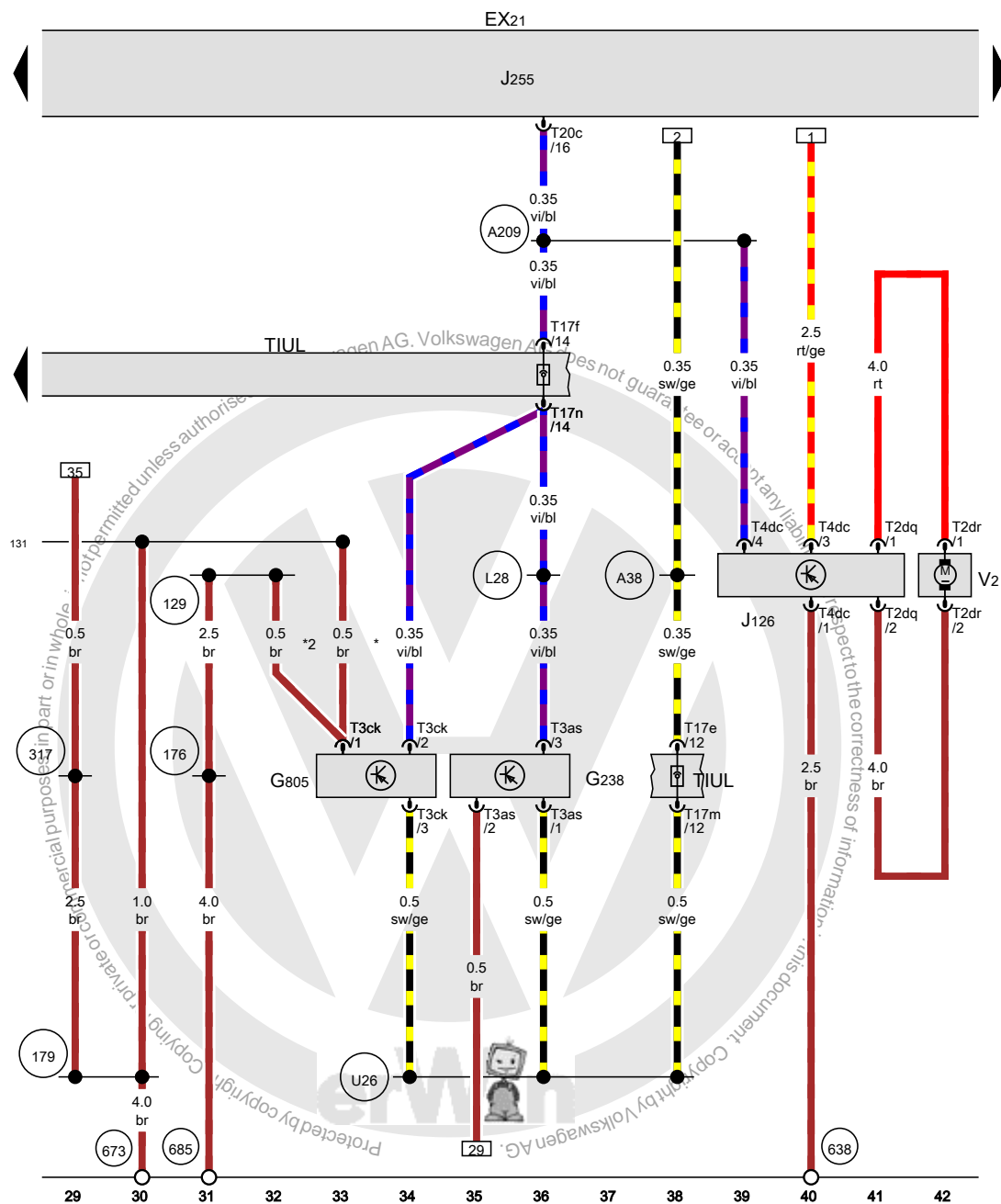
ws = white
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Heater and air conditioning controls, Climatronic control unit, Air conditioner compressor regulating valve



- EX21 Heater and air conditioning controls
- J255 Climatronic control unit
- N280 Air conditioner compressor regulating valve
- T2ds 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T20c 20-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- 131 Earth connection 2, in engine compartment wiring harness
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- * Only models with 1.2l engine
- *2 Only models with 1.4l engine
- *3 According to equipment
- *4 From May 2014
- *5 Up to May 2014
- *6 Only left-hand drive models
- *7 Only right-hand drive models

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Heater and air conditioning controls, Air quality sensor, Pressure sender for refrigerant circuit, Fresh air blower control unit, Climatronic control unit, Fresh air blower

- EX21 Heater and air conditioning controls
- G238 Air quality sensor
- G805 Pressure sender for refrigerant circuit
- J126 Fresh air blower control unit
- J255 Climatronic control unit
- T2dq 2-pin connector
- T2dr 2-pin connector
- T3as 3-pin connector
- T3ck 3-pin connector
- T4dc 4-pin connector
- T17e 17-pin connector, brown
- T17f 17-pin connector, red
- T17m 17-pin connector, brown
- T17n 17-pin connector, red
- T20c 20-pin connector
- TIUL Coupling point in interior, below left
- V2 Fresh air blower
- 129 Earth connection, in dual tone horn wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 176 Earth connection, in right headlight wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 638 Earth point, on right A-pillar
- 673 Earth point 3, on front of left longitudinal member
- 685 Earth point 1 at front of right longitudinal member
- A38 Positive connection 2 (15a) in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- L28 Connection, in engine compartment wiring harness, Climatronic

ws = white

sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

U26

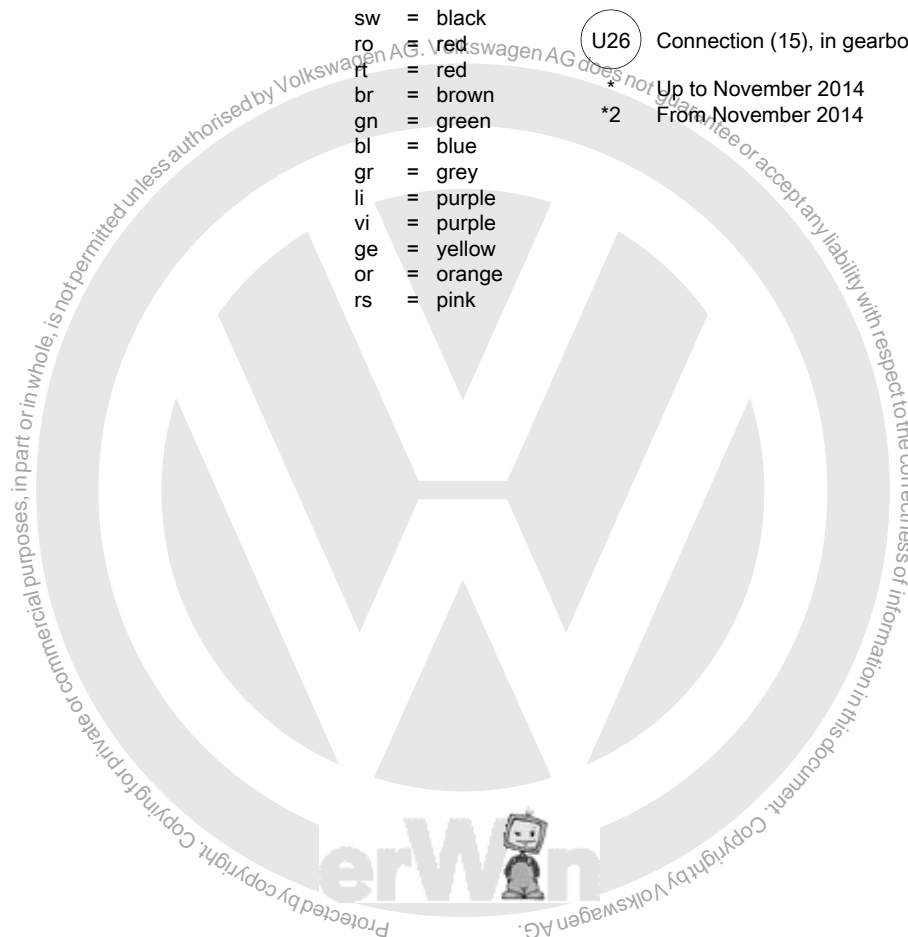
Connection (15), in gearbox switch wiring harness

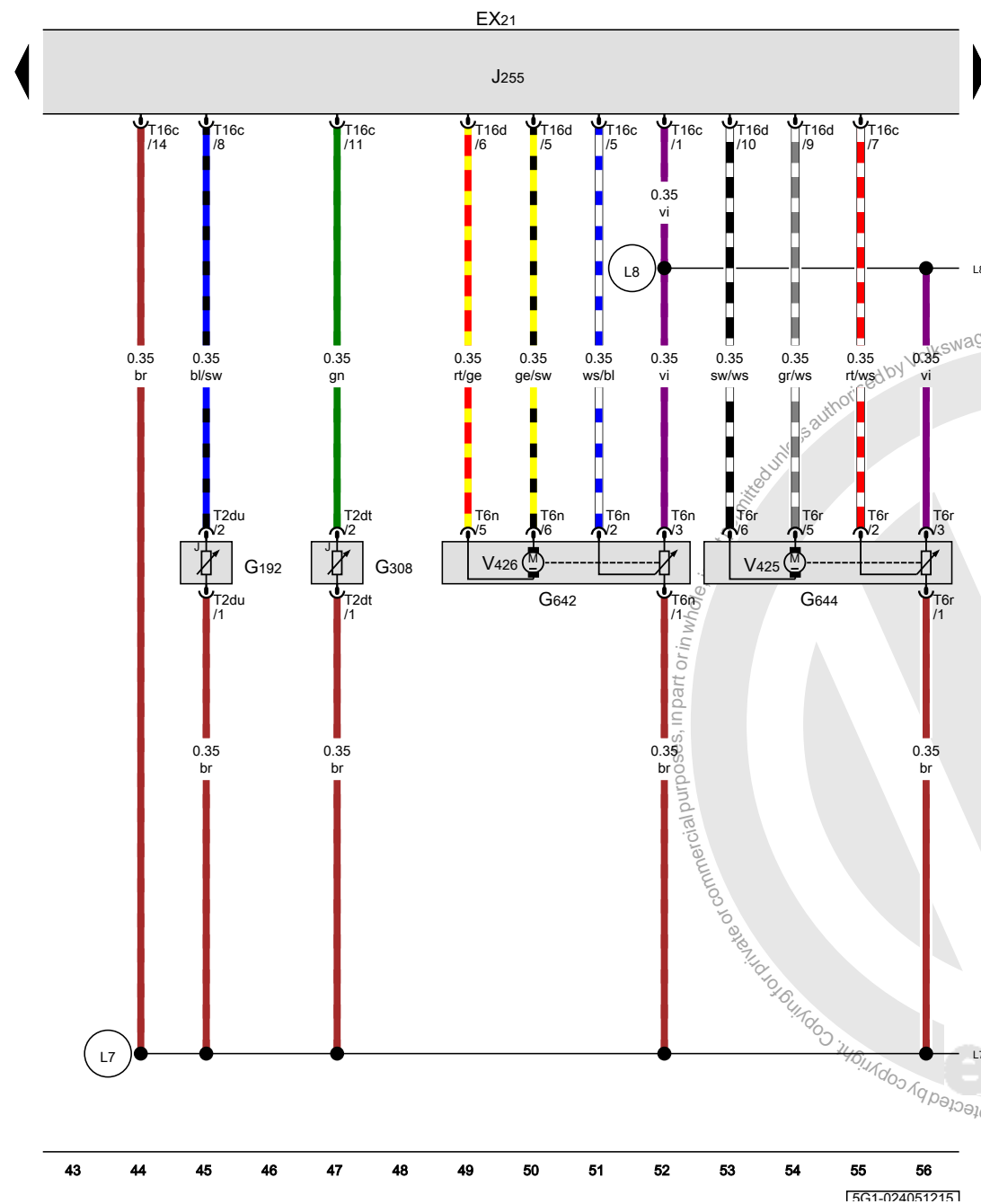
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Up to November 2014

*2

From November 2014

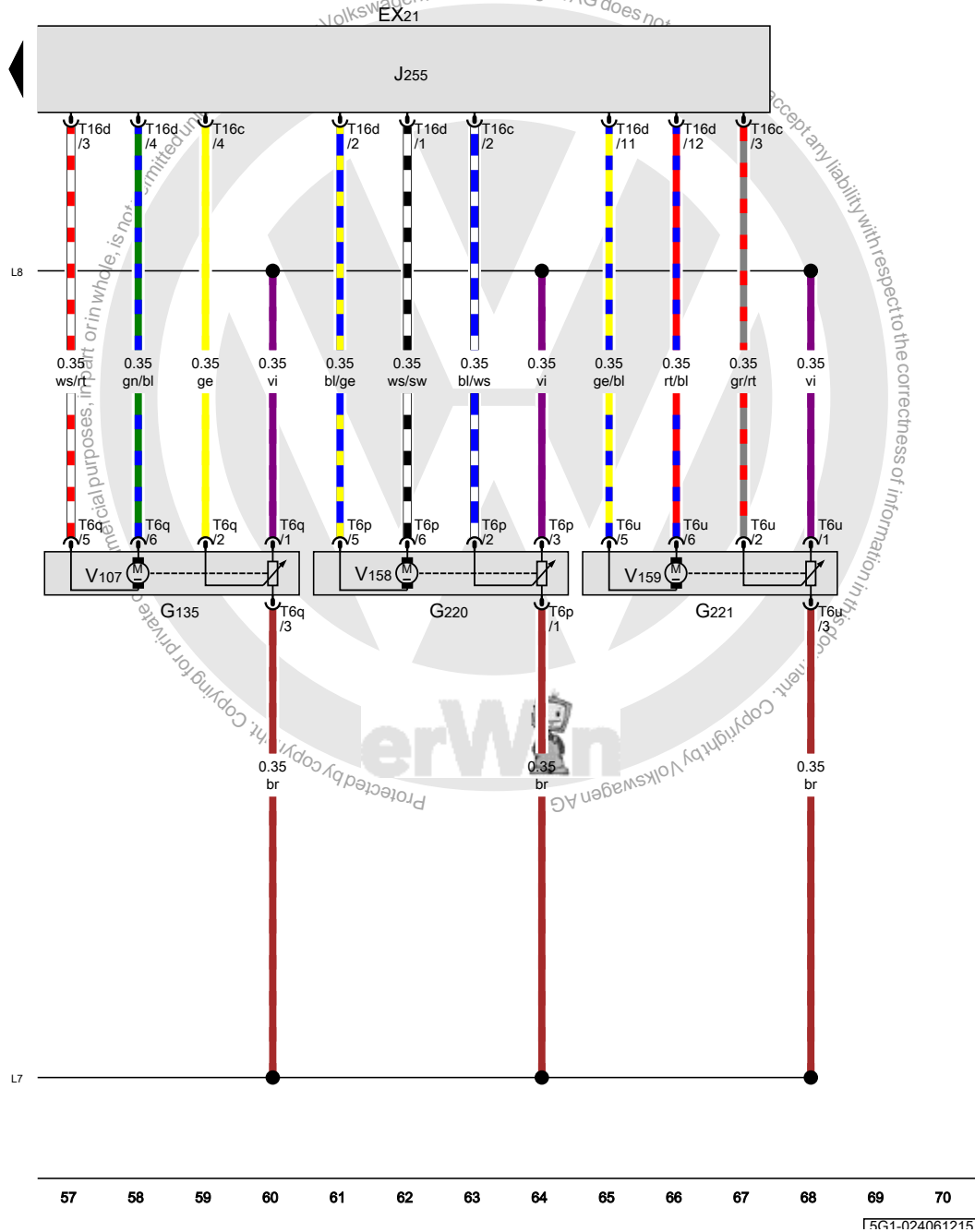




Heater and air conditioning controls, Footwell vent temperature sender, Evaporator temperature sensor, Potentiometer for front air distribution flap control motor, Potentiometer for fresh air/air recirculation, air flow flap control motor, Climatronic control unit, Fresh air/air recirculation, air flow flap control motor, Front air distribution flap control motor

- | | |
|------|--|
| EX21 | Heater and air conditioning controls |
| G192 | Footwell vent temperature sender |
| G308 | Evaporator temperature sensor |
| G642 | Potentiometer for front air distribution flap control motor |
| G644 | Potentiometer for fresh air/air recirculation, air flow flap control motor |
| J255 | Climatronic control unit |
| T2dt | 2-pin connector |
| T2du | 2-pin connector |
| T6n | 6-pin connector |
| T6r | 6-pin connector |
| T16c | 16-pin connector, black |
| T16d | 16-pin connector, brown |
| V425 | Fresh air/air recirculation, air flow flap control motor |
| V426 | Front air distribution flap control motor |
| L7 | Connection 3, in evaporator housing unit wiring harness |
| L8 | Connection 4, in evaporator housing unit wiring harness |

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Heater and air conditioning controls, Potentiometer for defroster flap control motor, Potentiometer for left temperature flap control motor, Potentiometer for right temperature flap control motor, Climatronic control unit, Defroster flap control motor, Left temperature flap control motor, Right temperature flap control motor

- EX21 Heater and air conditioning controls
- G135 Potentiometer for defroster flap control motor
- G220 Potentiometer for left temperature flap control motor
- G221 Potentiometer for right temperature flap control motor
- J255 Climatronic control unit
- T6p 6-pin connector
- T6q 6-pin connector
- T6u 6-pin connector
- T16c 16-pin connector, black
- T16d 16-pin connector, brown
- V107 Defroster flap control motor
- V158 Left temperature flap control motor
- V159 Right temperature flap control motor

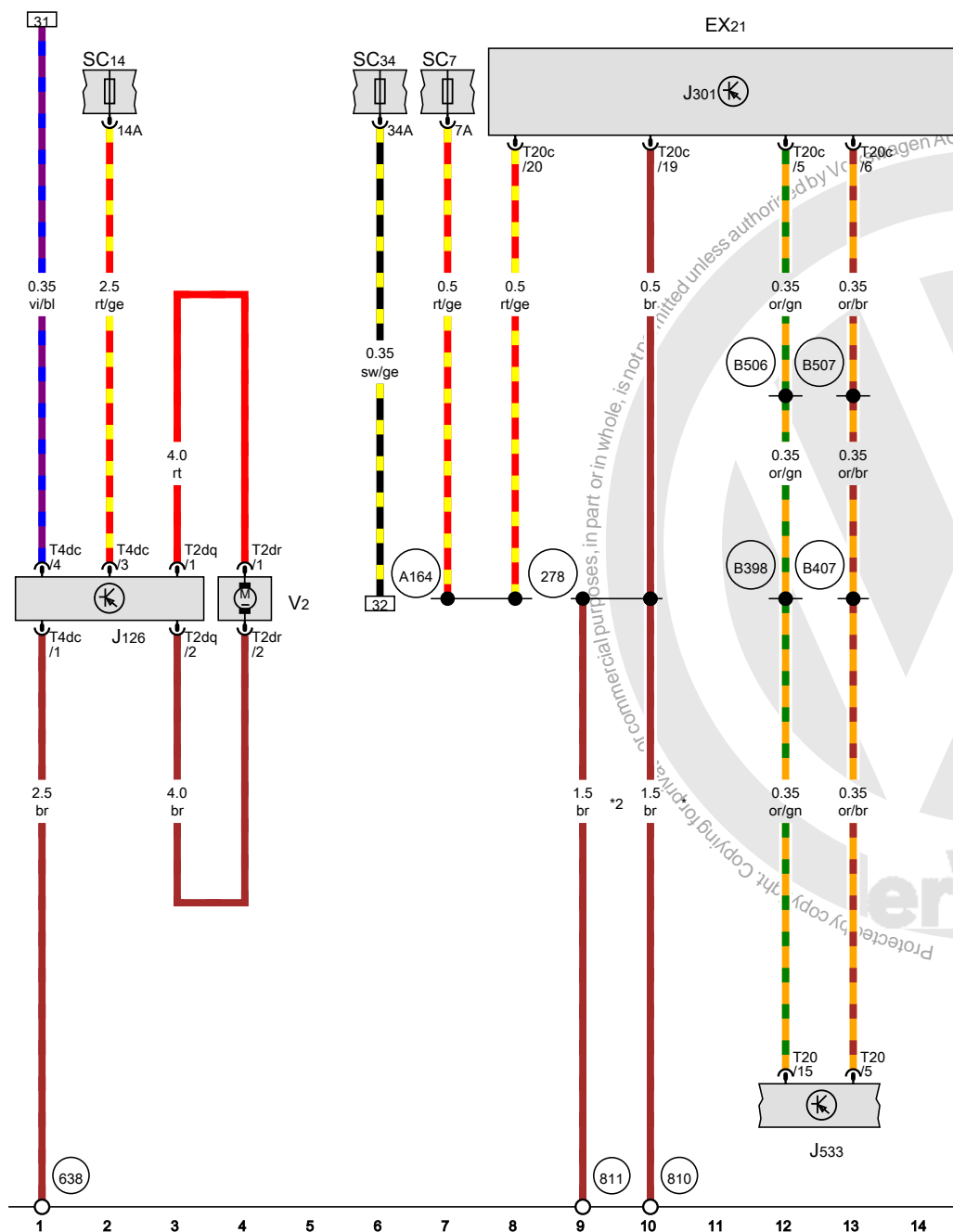
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

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- or = orange
- rs = pink

Air conditioning system , (KH6)

From August 2012

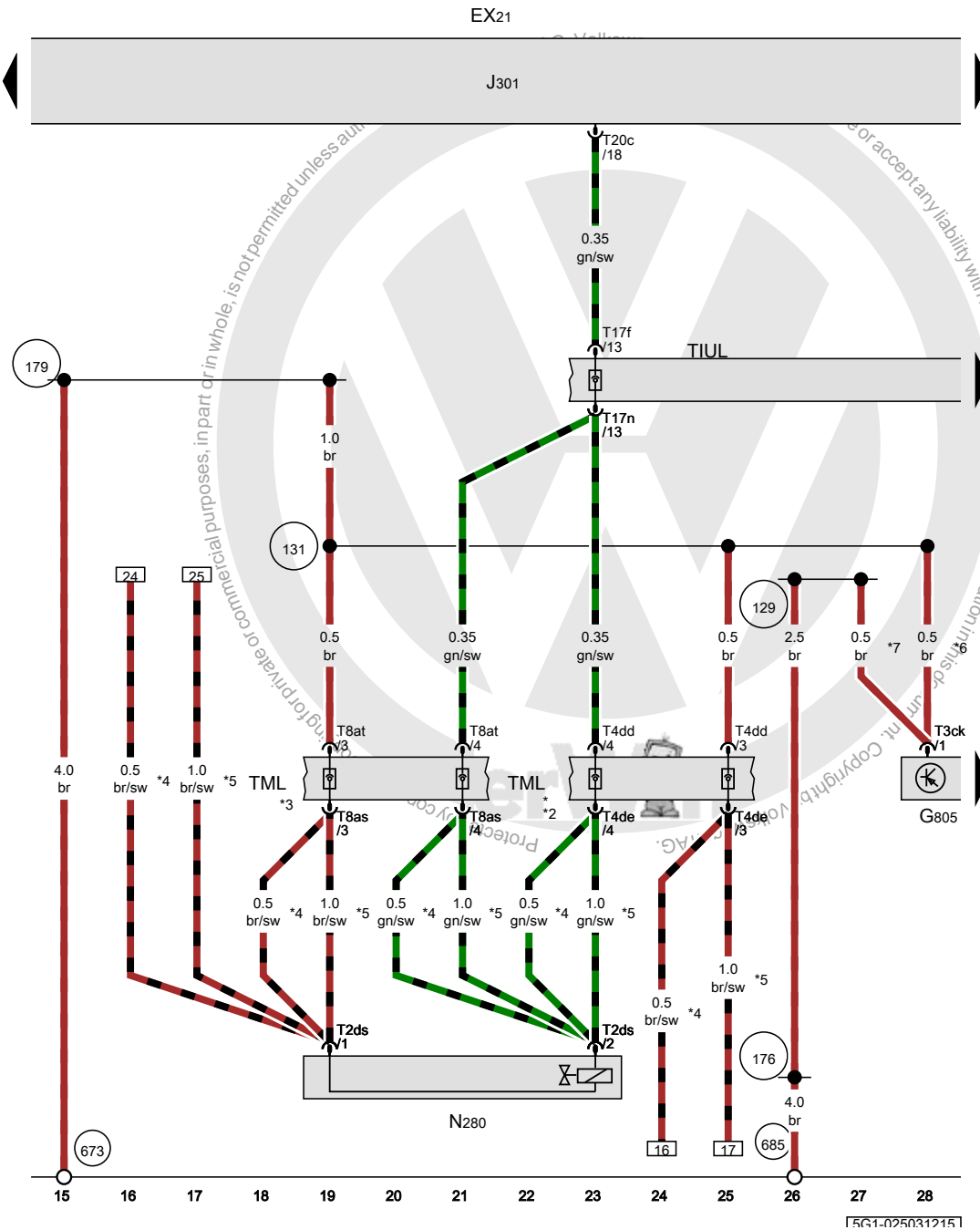




Heater and air conditioning controls, Fresh air blower control unit, Air conditioning system control unit, Data bus diagnostic interface, Fuse 7 on fuse holder C, Fuse 14 on fuse holder C, Fuse 34 on fuse holder C, Fresh air blower

- EX21 Heater and air conditioning controls
- J126 Fresh air blower control unit
- J301 Air conditioning system control unit
- J533 Data bus diagnostic interface
- SC7 Fuse 7 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T2dq 2-pin connector
- T2dr 2-pin connector
- T4dc 4-pin connector
- T20 20-pin connector
- T20c 20-pin connector
- V2 Fresh air blower
- 278 Earth connection 4, in interior wiring harness
- 638 Earth point, on right A-pillar
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A164 Positive connection 2 (30a) in dash panel wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models

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 rs = pink



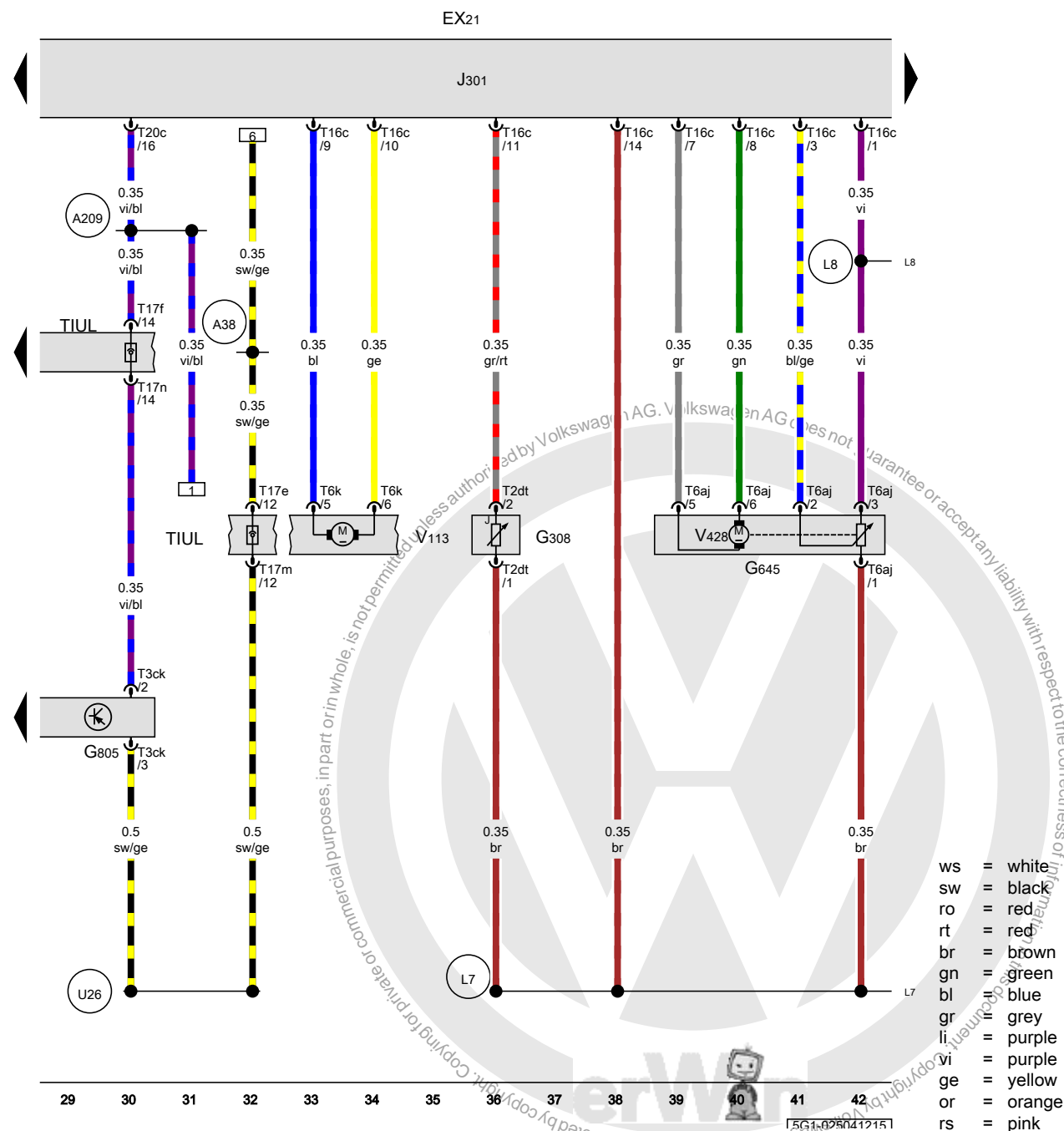
Heater and air conditioning controls, Pressure sender for refrigerant circuit, Air conditioning system control unit, Air conditioner compressor regulating valve

- EX21 Heater and air conditioning controls
- G805 Pressure sender for refrigerant circuit
- J301 Air conditioning system control unit
- N280 Air conditioner compressor regulating valve
- T2ds 2-pin connector
- T3ck 3-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T20c 20-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

- 129 Earth connection, in dual tone horn wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 176 Earth connection, in right headlight wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- 685 Earth point 1 at front of right longitudinal member

- * Only models with 1.2l engine
- *2 Only models with 1.4l engine
- *3 According to equipment
- *4 From May 2014
- *5 Up to May 2014
- *6 Up to November 2014
- *7 From November 2014

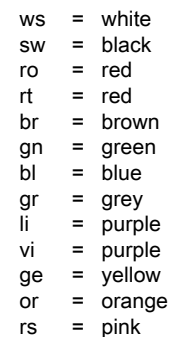
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 bl = blue
 gr = grey
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 rs = pink



Heater and air conditioning controls, Evaporator temperature sensor, Potentiometer for air distribution flap control motor, Pressure sender for refrigerant circuit, Air conditioning system control unit, Air recirculation flap control motor, Air distribution flap control motor

- | | |
|------|--|
| EX21 | Heater and air conditioning controls |
| G308 | Evaporator temperature sensor |
| G645 | Potentiometer for air distribution flap control motor |
| G805 | Pressure sender for refrigerant circuit |
| J301 | Air conditioning system control unit |
| T2dt | 2-pin connector |
| T3ck | 3-pin connector |
| T6aj | 6-pin connector |
| T6k | 6-pin connector |
| T16c | 16-pin connector |
| T17e | 17-pin connector, brown |
| T17f | 17-pin connector, red |
| T17m | 17-pin connector, brown |
| T17n | 17-pin connector, red |
| T20c | 20-pin connector |
| TIUL | Coupling point in interior, below left |
| V113 | Air recirculation flap control motor |
| V428 | Air distribution flap control motor |
| A38 | Positive connection 2 (15a) in dash panel wiring harness |
| A209 | Connection 1 (LIN bus) in dash panel wiring harness |
| L7 | Connection 3, in evaporator housing unit wiring harness |
| L8 | Connection 4, in evaporator housing unit wiring harness |
| U26 | Connection (15), in gearbox switch wiring harness |

- | | | |
|----|---|--------|
| ws | = | white |
| sw | = | black |
| ro | = | red |
| rt | = | red |
| br | = | brown |
| gn | = | green |
| bl | = | blue |
| gr | = | grey |
| li | = | purple |
| vi | = | purple |
| ge | = | yellow |
| or | = | orange |
| rs | = | pink |



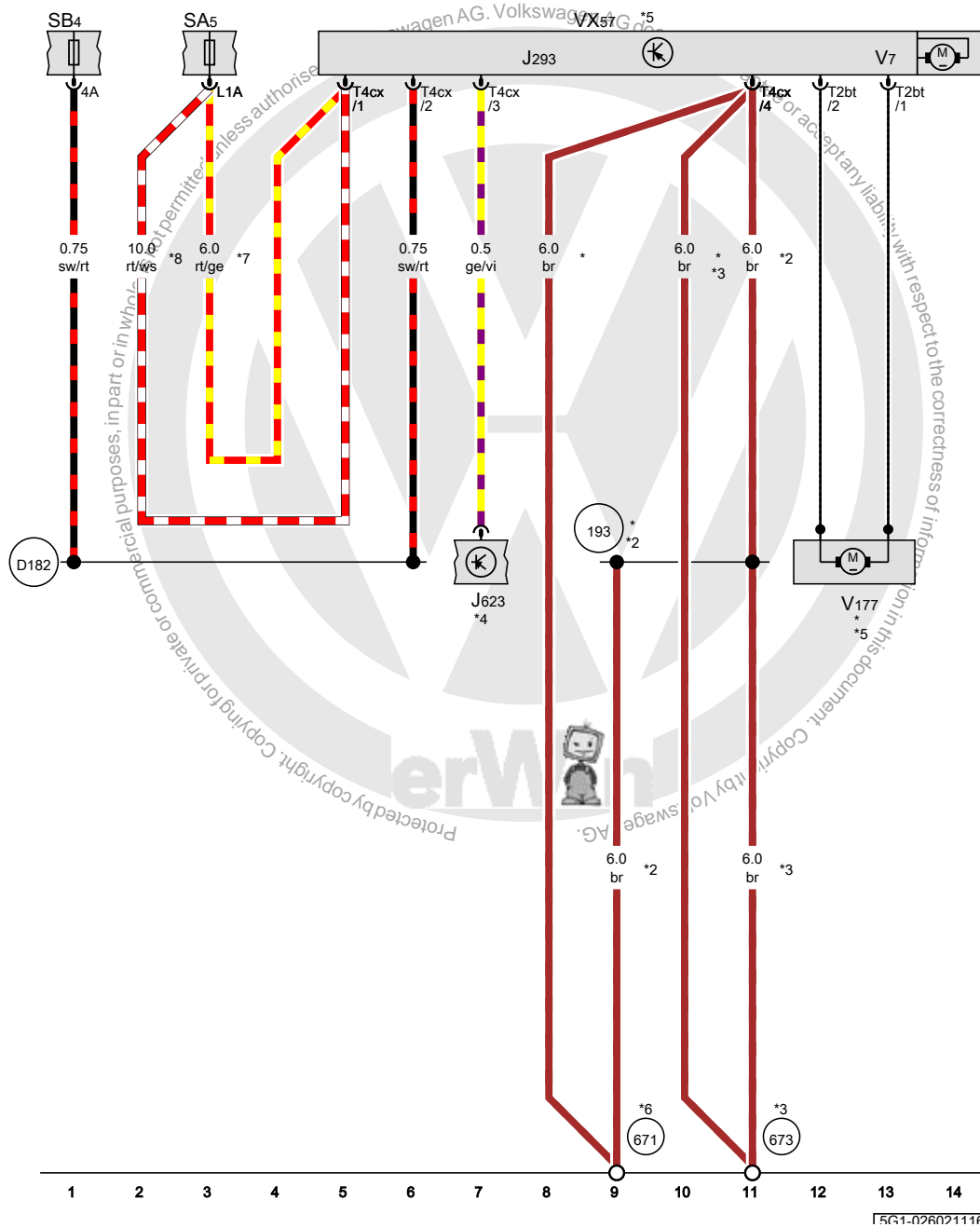
L7 Connection 3, in evaporator housing unit wiring harness

L8 Connection 4, in evaporator housing unit wiring harness

Radiator fan

From August 2012





Radiator fan control unit, Radiator fan, Radiator fan 2

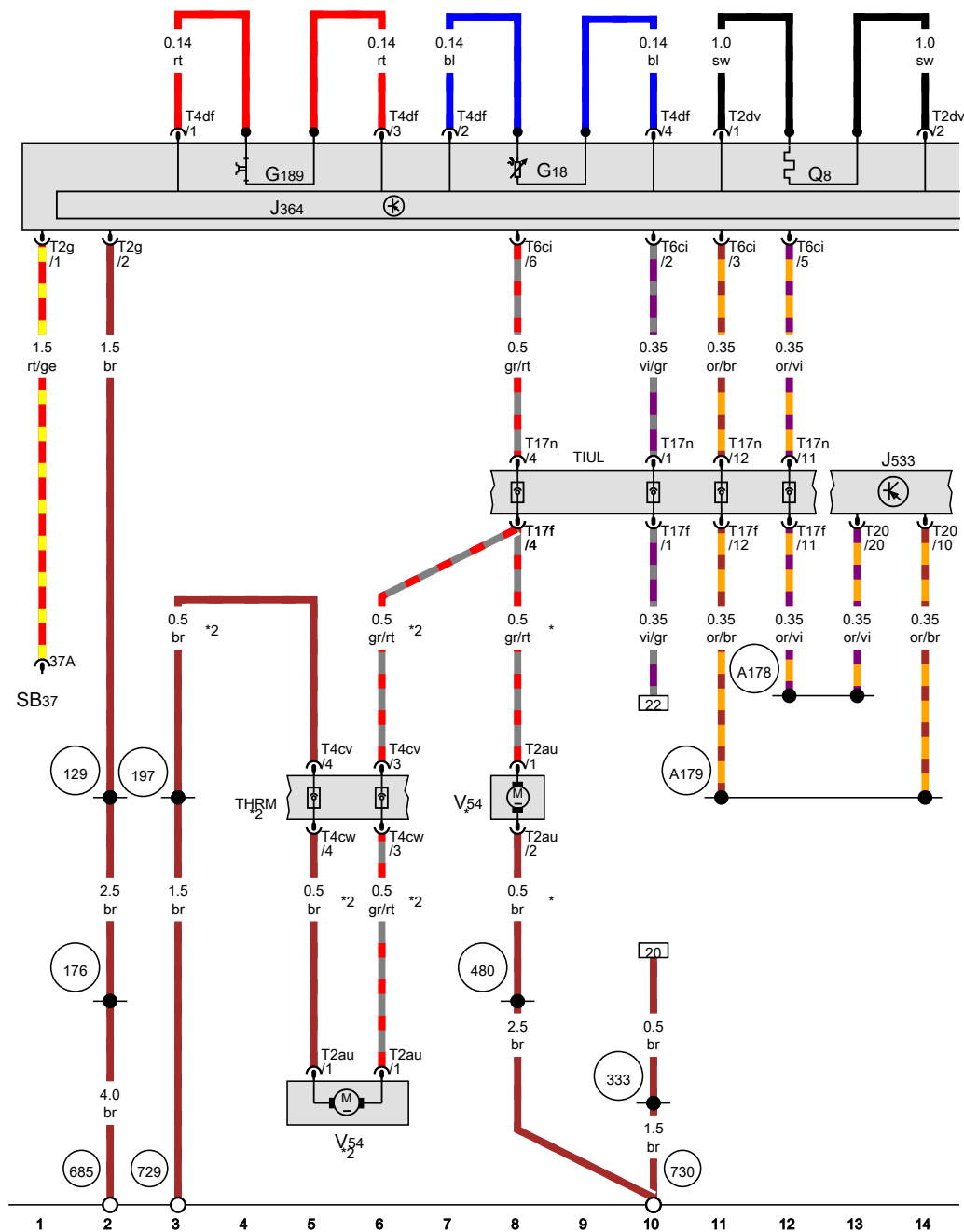
- J293 Radiator fan control unit
- J623 Engine control unit
- SB4 Fuse 4 on fuse holder B
- SA5 Fuse 5 on fuse holder A
- T2bt 2-pin connector
- T4cx 4-pin connector, black
- V7 Radiator fan
- VX57 Radiator fan
- V177 Radiator fan 2

- 193 Earth connection 1, in coolant fan wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 673 Earth point 3, on front of left longitudinal member
- D182 Connection 3 (87a), in engine compartment wiring harness
- * According to equipment
- *2 Up to November 2015
- *3 Up to May 2013
- *4 see applicable current flow diagram for engine
- *5 Pre-wired component
- *6 From May 2013
- *7 Only models with no hybrid drive system
- *8 Only models with hybrid drive system

Auxiliary heater, supplementary heater , (9M9)

From August 2012





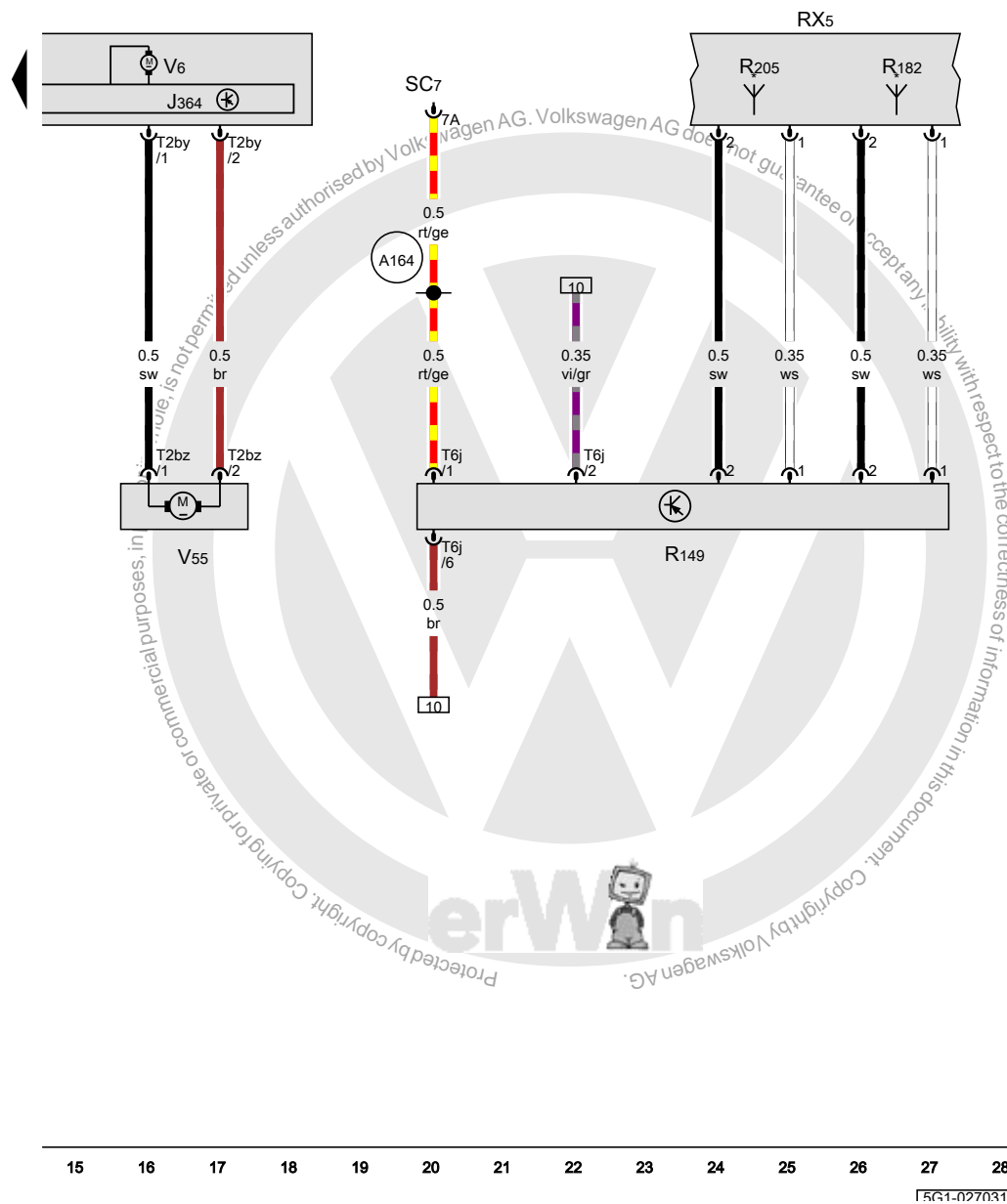
Temperature sensor, Overheating sensor, Auxiliary heater control unit, Data bus diagnostic interface, Glow plug with flame monitor, Metering pump

- G18 Temperature sensor
- G189 Overheating sensor
- J364 Auxiliary heater control unit
- J533 Data bus diagnostic interface
- Q8 Glow plug with flame monitor
- SB37 Fuse 37 on fuse holder B
- T2au 2-pin connector, black
- T2dv 2-pin connector
- T2g 2-pin connector
- T4cv 4-pin connector, black
- T4cw 4-pin connector, black
- T4df 4-pin connector
- T6ci 6-pin connector
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T20 20-pin connector
- THRM Coupling point in luggage compartment, centre, near fuel pump
- TIUL Coupling point in interior, below left
- V54 Metering pump

- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 197 Earth connection 4, in rear wiring harness
- 333 Earth connection 5, in rear wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 685 Earth point 1, on front of right longitudinal member
- 729 Earth point, on left rear wheel housing
- 730 Earth point 1, on right rear wheel housing
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * Only models with no hybrid drive system
- *2 Only models with hybrid drive system

Auxiliary heater control unit, Roof aerial, Remote control receiver for auxiliary coolant heater, Auxiliary heater aerial, GSM aerial, Combustion air blower, Circulation pump

- J364 Auxiliary heater control unit
- RX5 Roof aerial
- R149 Remote control receiver for auxiliary coolant heater
- R182 Auxiliary heater aerial
- R205 GSM aerial
- SC7 Fuse 7 on fuse holder C
- T2by 2-pin connector
- T2bz 2-pin connector
- T6j 6-pin connector
- V6 Combustion air blower
- V55 Circulation pump
- A164 Positive connection 2 (30a) in dash panel wiring harness
- * According to equipment

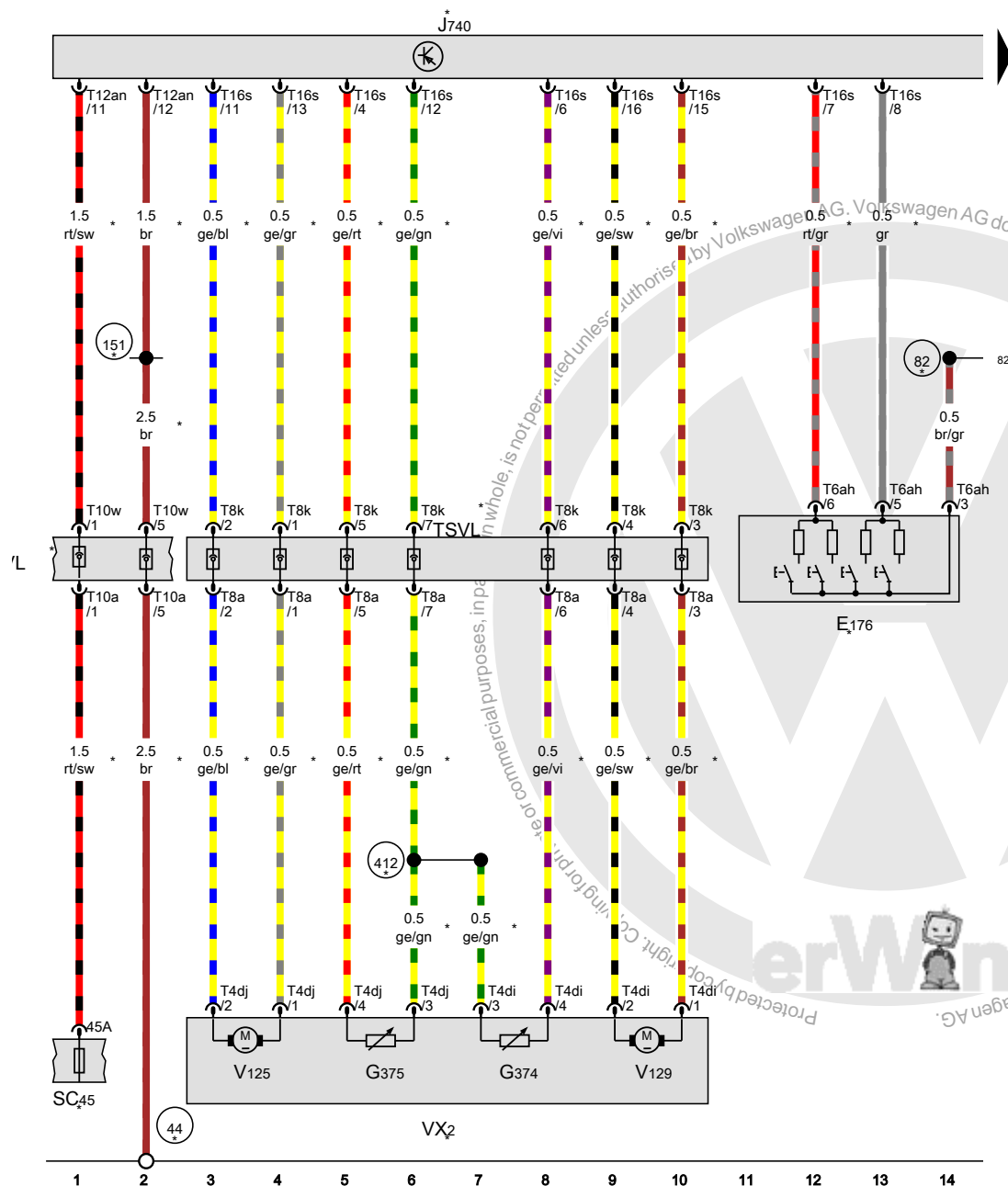


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver seat , (8I2),(8I3)

From August 2012



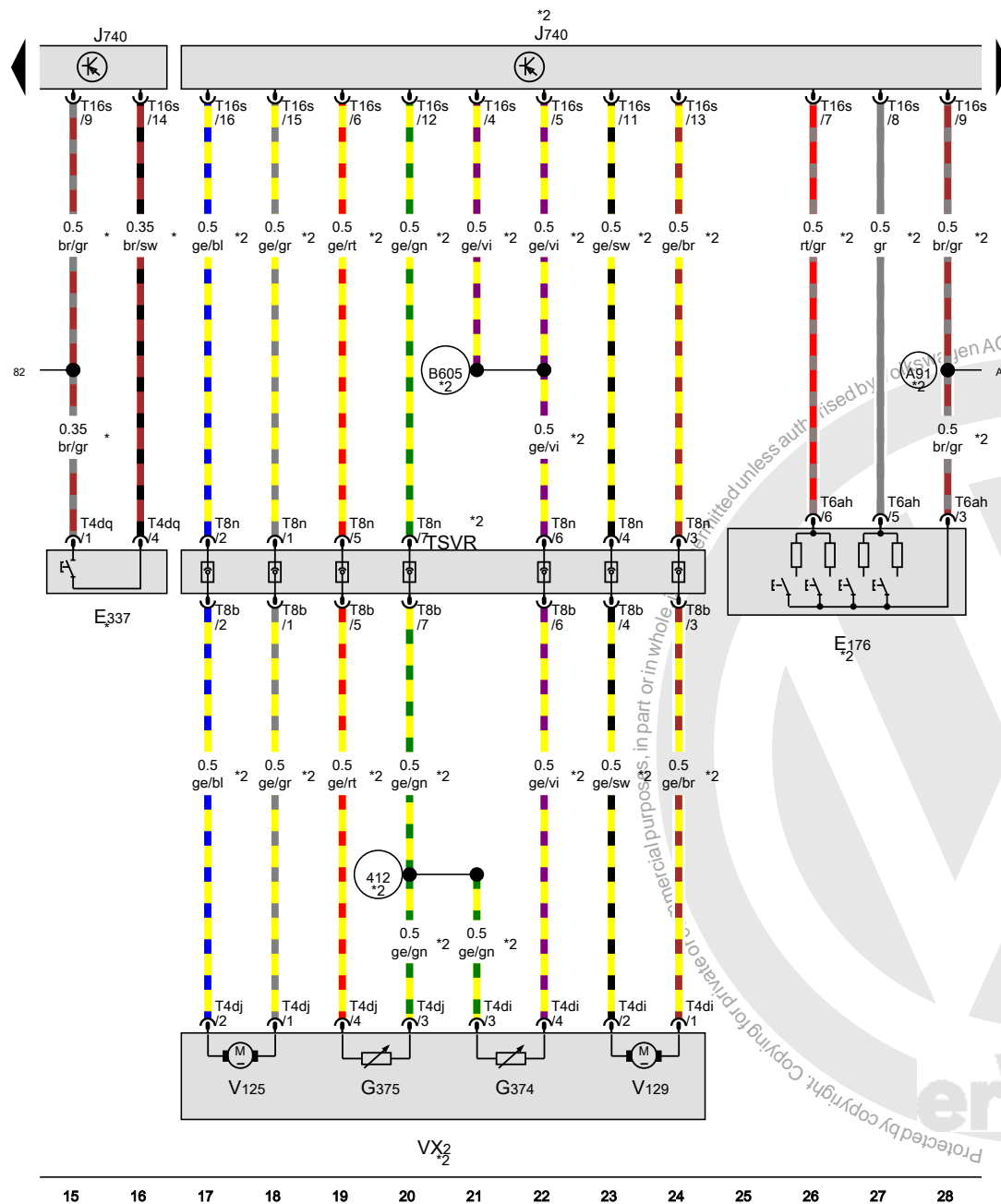


Driver seat lumbar support adjustment switch, Massage control unit, Lumbar support for driver seat

- E176 Driver seat lumbar support adjustment switch
- G374 Lumbar support height adjustment sender
- G375 Lumbar support longitudinal adjustment sender
- J740 Massage control unit
- SC45 Fuse 45 on fuse holder C
- T4di 4-pin connector
- T4dj 4-pin connector
- T6ah 6-pin connector
- T8a 8-pin connector, black
- T8k 8-pin connector, black
- T10a 10-pin connector, black
- T10w 10-pin connector, black
- T12an 12-pin connector
- T16s 16-pin connector
- TSVL Coupling point for front left seat
- VX2 Lumbar support for driver seat
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor

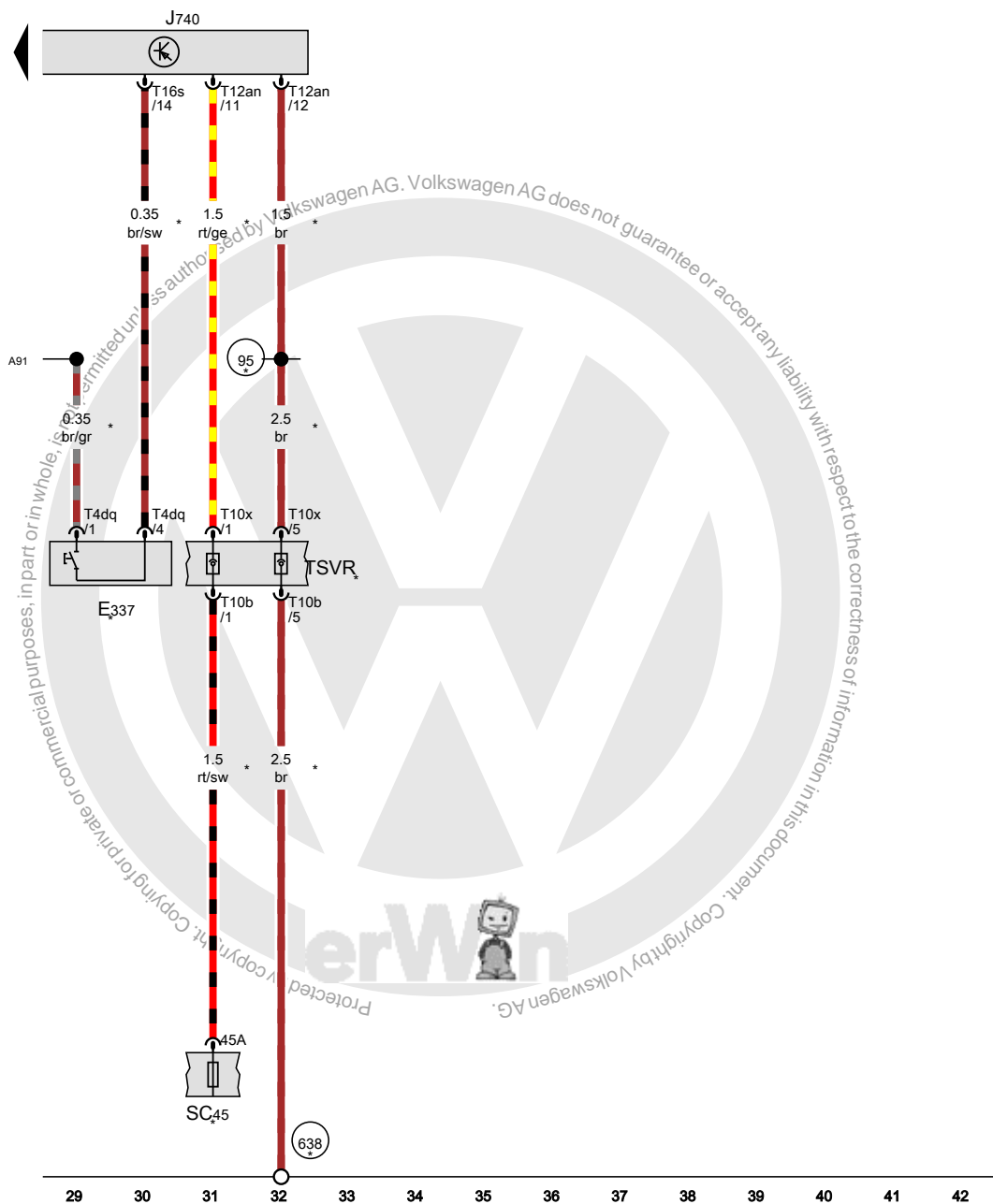
- 44 Earth point, lower part of left A-pillar
 - 82 Earth connection 1, in front left wiring harness
 - 151 Earth connection 1, in front wiring harness
 - 412 Earth connection 3, in seat adjustment wiring harness
- For left-hand drive models

- ws = white
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver seat lumbar support adjustment switch, Massage function button, Lumbar support height adjustment sender, Lumbar support longitudinal adjustment sender, Massage control unit, Lumbar support for driver seat

- E176 Driver seat lumbar support adjustment switch
- E337 Massage function button
- G374 Lumbar support height adjustment sender
- G375 Lumbar support longitudinal adjustment sender
- J740 Massage control unit
- T4di 4-pin connector
- T4dj 4-pin connector
- T4dq 4-pin connector
- T6ah 6-pin connector
- T8b 8-pin connector, black
- T8n 8-pin connector, black
- T16s 16-pin connector
- TSVR Coupling point for front right seat
- VX2 Lumbar support for driver seat
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- 82 Earth connection 1, in front left wiring harness
- 412 Earth connection 3, in seat adjustment wiring harness
- A91 Connection (signal for dash panel insert), in dash panel wiring harness
- B605 Connection 1, in interior wiring harness
- * For left-hand drive models
- *2 For right-hand drive models



Message function button, Message control unit

- E337 Message function button
- J740 Message control unit
- SC45 Fuse 45 on fuse holder C
- T4dq 4-pin connector
- T10b 10-pin connector, black
- T10x 10-pin connector, black
- T12an 12-pin connector
- T16s 16-pin connector
- TSVR Coupling point for front right seat

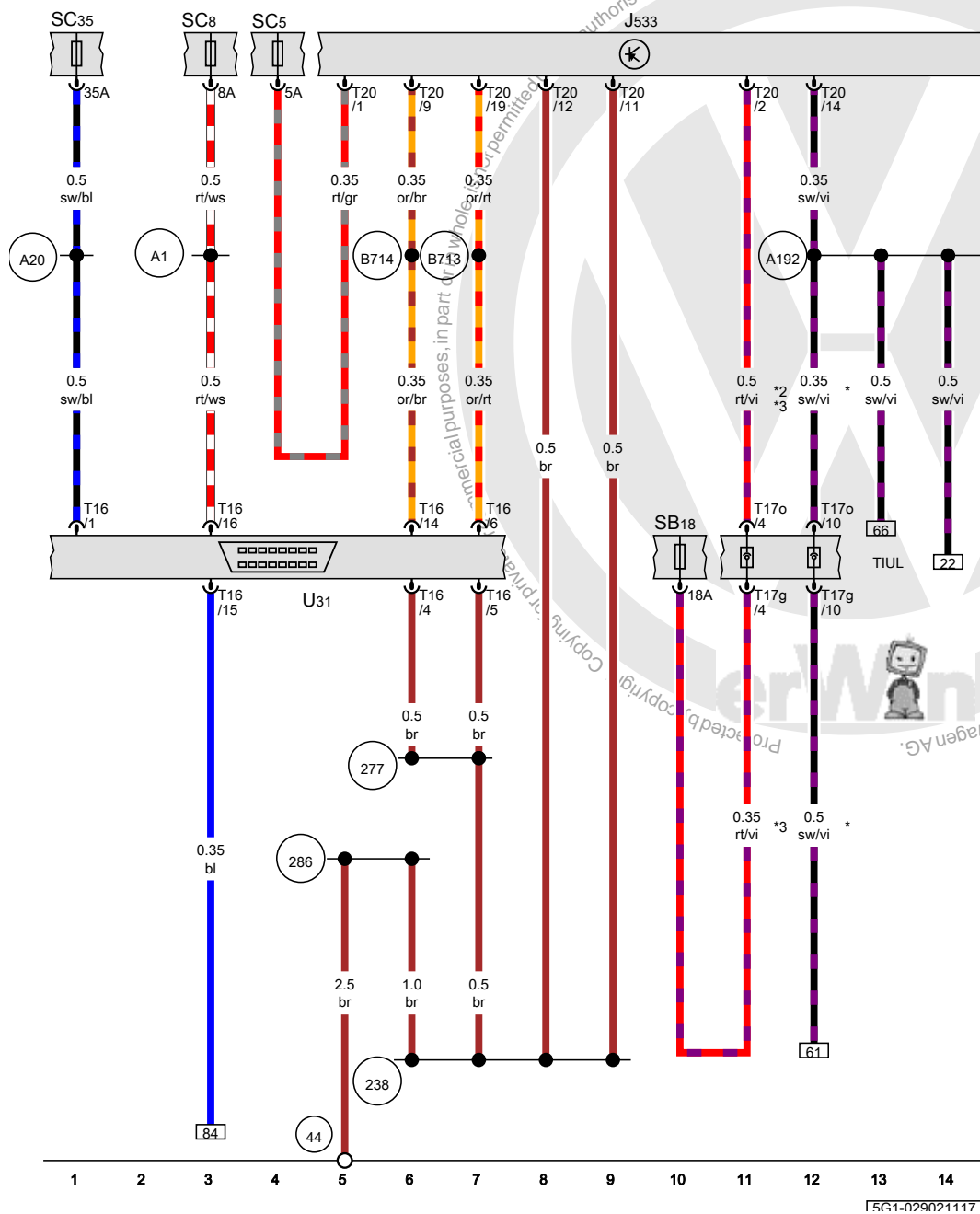
- 95 Earth connection 1, in seat adjustment wiring harness
- 638 Earth point, on right A-pillar
- A91 Connection (signal for dash panel insert), in dash panel wiring harness
- * For right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Data bus network

From August 2012

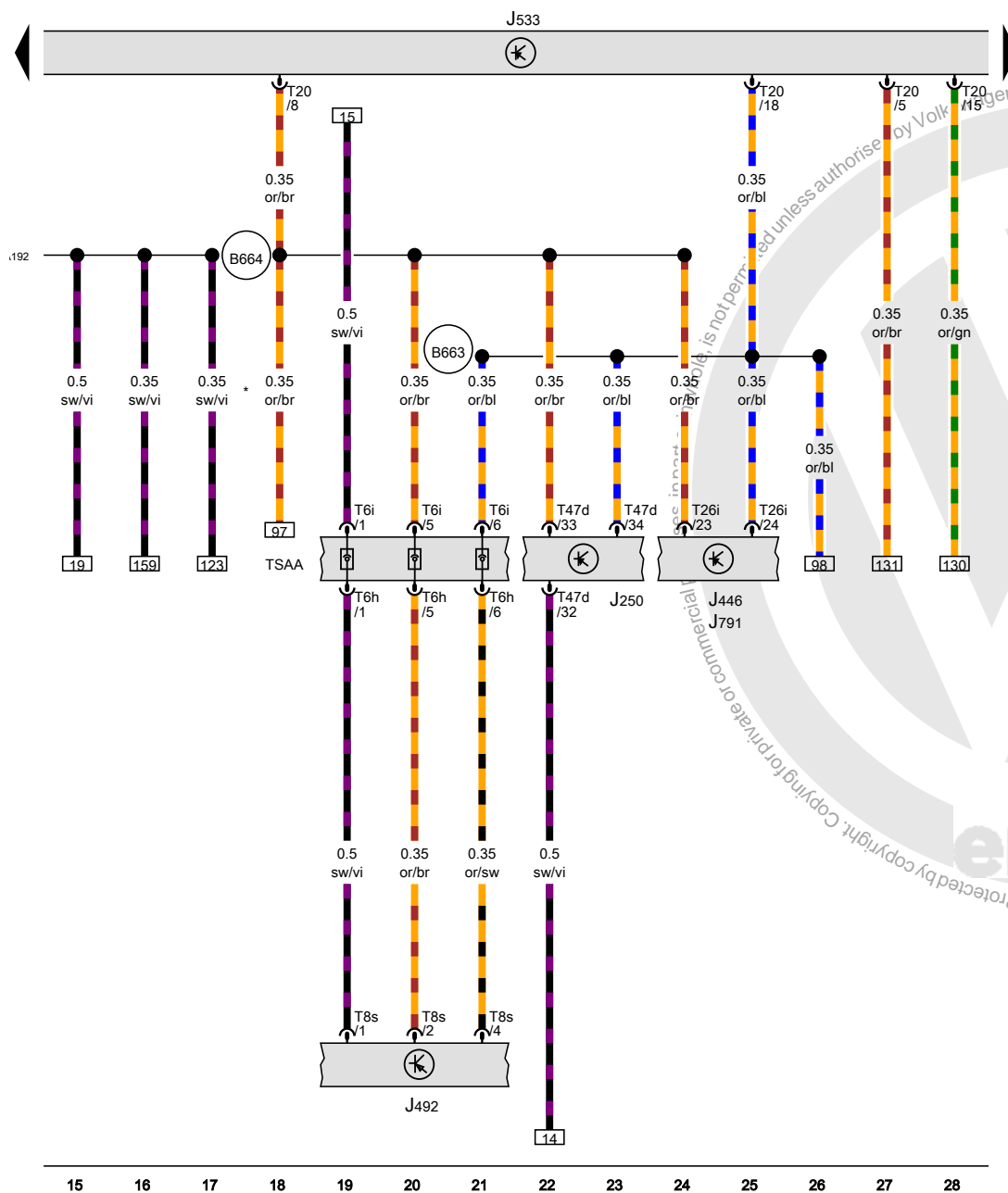




Data bus diagnostic interface, Diagnostic connection

- J533 Data bus diagnostic interface
- SC5 Fuse 5 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SB18 Fuse 18 on fuse holder B
- SC35 Fuse 35 on fuse holder C
- T16 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T20 20-pin connector
- TIUL Coupling point in interior, below left
- U31 Diagnostic connection
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
- B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness
- * Up to November 2017
- *2 For models with no start/stop system
- *3 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



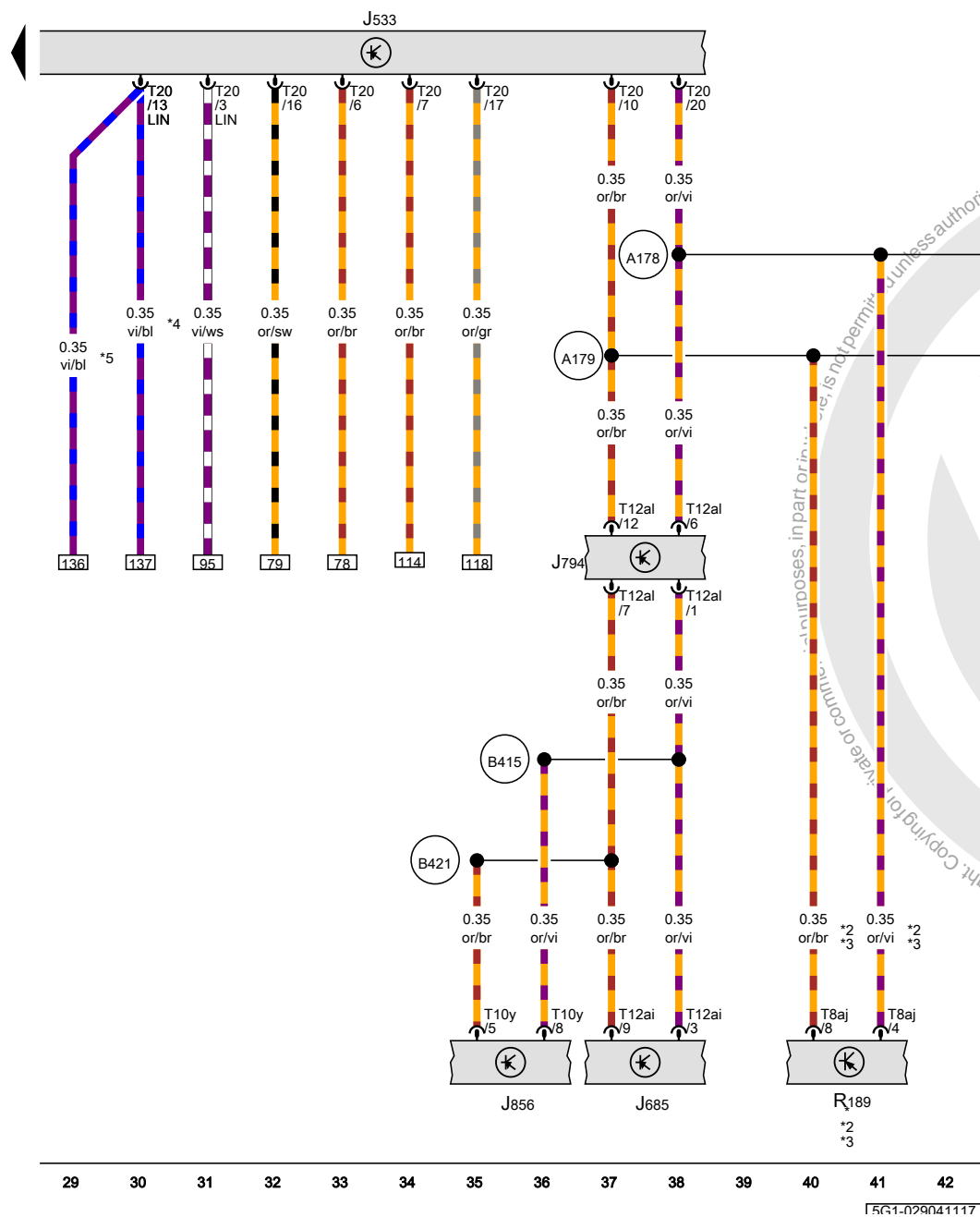
Electronically controlled damping control unit, Parking aid control unit, All-wheel drive control unit, Data bus diagnostic interface, Park assist steering control unit

- J250 Electronically controlled damping control unit
- J446 Parking aid control unit
- J492 All-wheel drive control unit
- J533 Data bus diagnostic interface
- J791 Park assist steering control unit
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8s 8-pin connector
- T20 20-pin connector
- T26i 26-pin connector
- T47d 47-pin connector
- TSAA Coupling point for all-wheel drive

- A192 Positive connection 3 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- * From November 2017

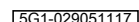
- ws = white
- sw = black
- ro = red
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- vi = purple
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- rs = pink

Data bus diagnostic interface, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics, Control unit for navigation system



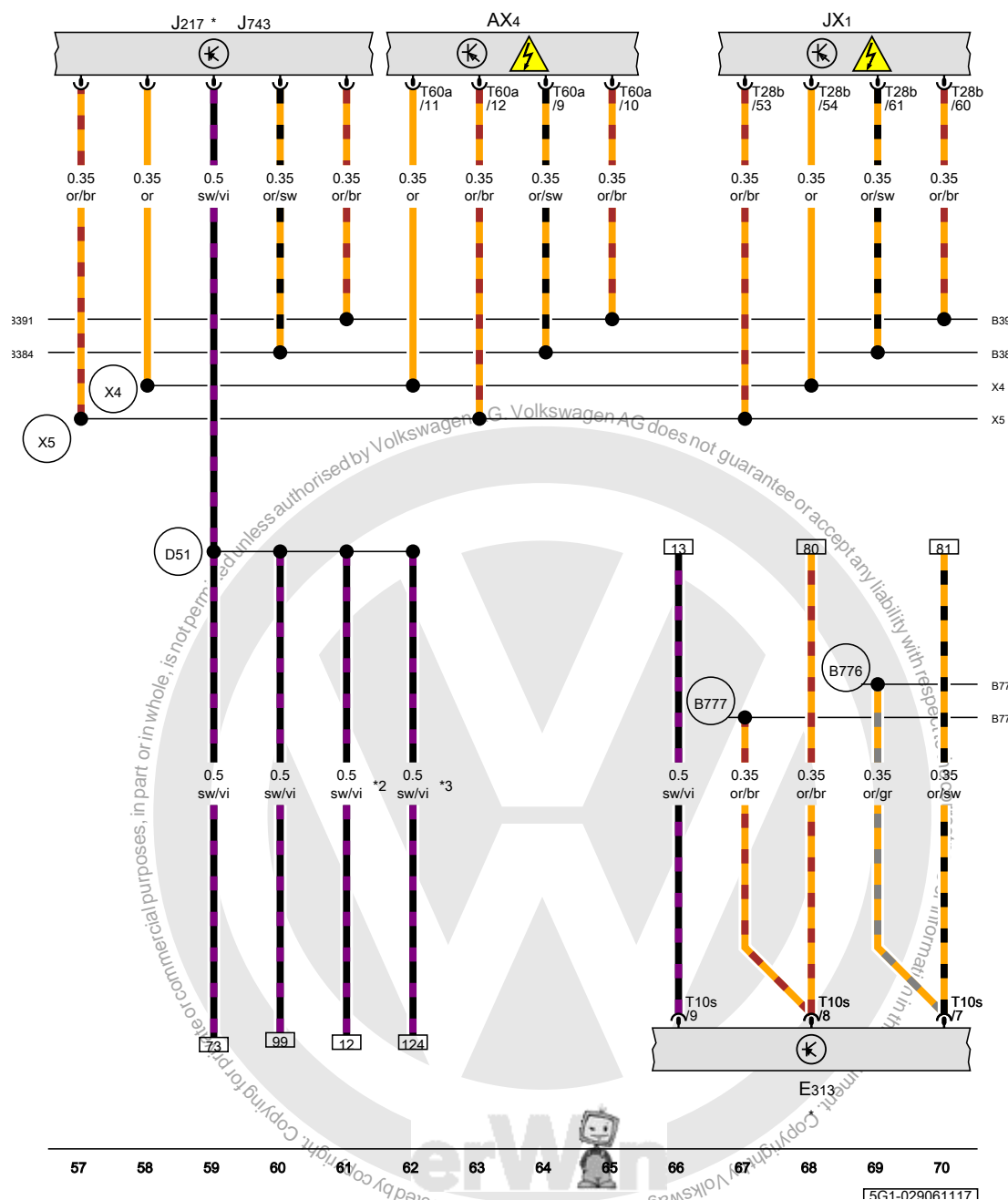
- J533 Data bus diagnostic interface
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J856 Control unit for navigation system
- R189 Reversing camera
- T8aj 8-pin connector, black
- T10y 10-pin connector
- T12ai 12-pin connector
- T12al 12-pin connector, grey
- T20 20-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness
- * Pre-wired component
- *2 According to equipment
- *3 see applicable current flow diagram
- *4 Up to November 2015
- *5 From November 2015

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J364	Auxiliary heater control unit
J387	Front passenger door control unit
NX6	Brake servo
R149	Remote control receiver for auxiliary coolant heater
T4et	4-pin connector
T5bg	5-pin connector, black
T6ci	6-pin connector
T6j	6-pin connector
T10kr	10-pin connector
T17f	17-pin connector, red
T17n	17-pin connector, red
T19	19-pin connector
T19a	19-pin connector
T20b	20-pin connector
T26f	26-pin connector
T27a	27-pin connector, black
T27c	27-pin connector, black
TIUL	Coupling point in interior, below left
TTHR	Coupling point for rear right door
TTVR	Coupling point for front right door
V27	Rear right window regulator motor
VX70	Brake system pressure accumulator
V475	Auxiliary hydraulic pump 1 for gearbox oil
A178	Connection (infotainment CAN bus, high), in dash panel wiring harness
A179	Connection (infotainment CAN bus, low), in dash panel wiring harness
A246	Connection 1 (CAN bus high), in engine compartment wiring harness
A247	Connection 1 (CAN bus low), in engine compartment wiring harness
B384	Connection 2 (powertrain CAN bus, high), in main wiring harness
B391	Connection 2 (powertrain CAN bus, low), in main wiring harness
*	see applicable current flow diagram for convenience system
*2	According to equipment
*3	Up to November 2015
*4	From November 2015

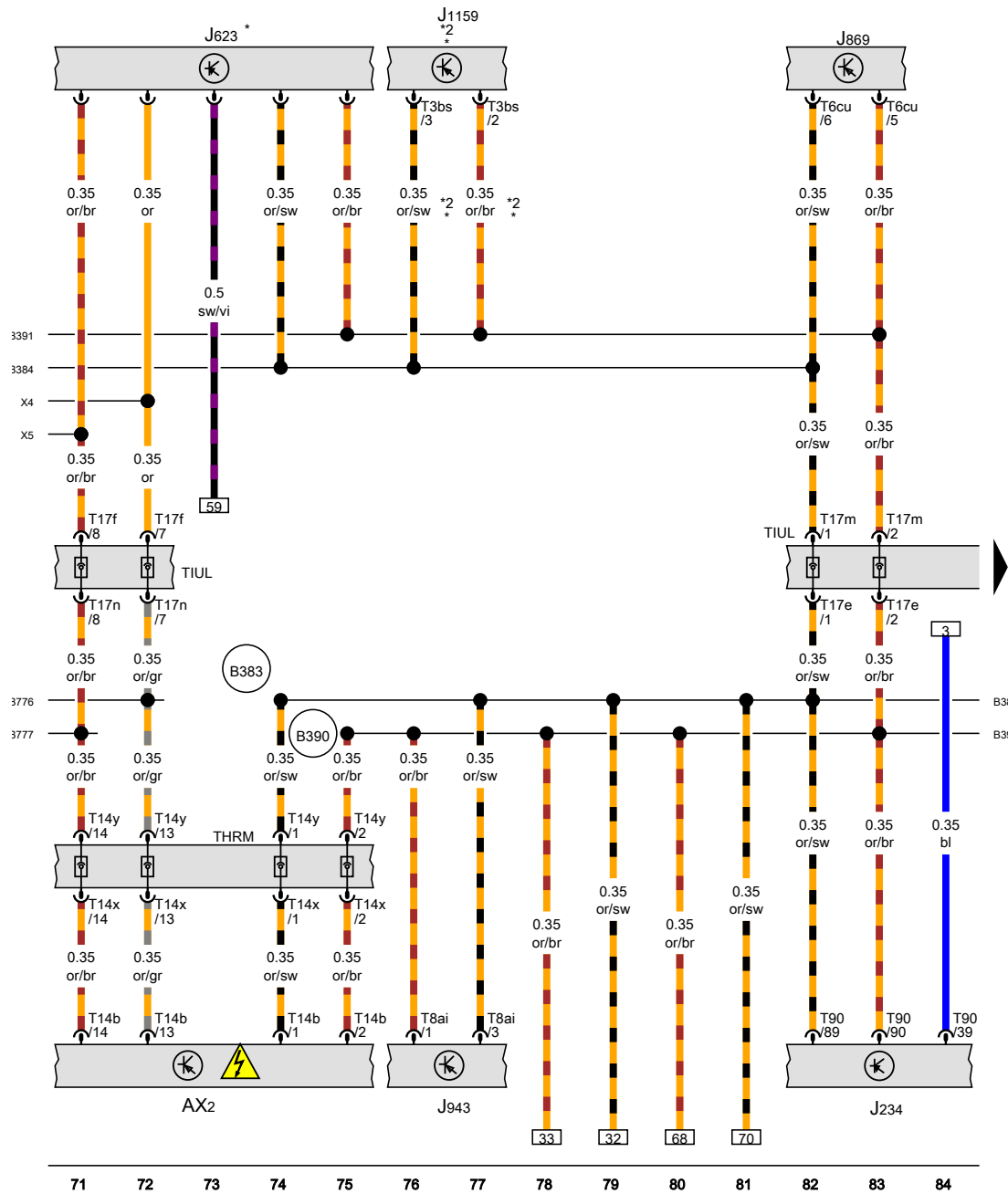
ws = white
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Charging unit 1 for high-voltage battery, Selector lever, Power and control electronics for electric drive, Automatic gearbox control unit, Mechatronic unit for dual clutch gearbox

- | | |
|------|---|
| AX4 | Charging unit 1 for high-voltage battery |
| E313 | Selector lever |
| JX1 | Power and control electronics for electric drive |
| J217 | Automatic gearbox control unit |
| J743 | Mechatronic unit for dual clutch gearbox |
| T10s | 10-pin connector |
| T28b | 28-pin connector |
| T60a | 60-pin connector |
| B384 | Connection 2 (powertrain CAN bus, high), in main wiring harness |
| B391 | Connection 2 (powertrain CAN bus, low), in main wiring harness |
| B776 | Connection 1 (hybrid CAN bus, high) in main wiring harness |
| B777 | Connection 1 (hybrid CAN bus, low) in main wiring harness |
| D51 | Positive connection 1 (15), in engine compartment wiring harness |
| X4 | Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness |
| X5 | Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness |
| * | see applicable current flow diagram for gearbox |
| *2 | Up to November 2017 |
| *3 | From November 2017 |

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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



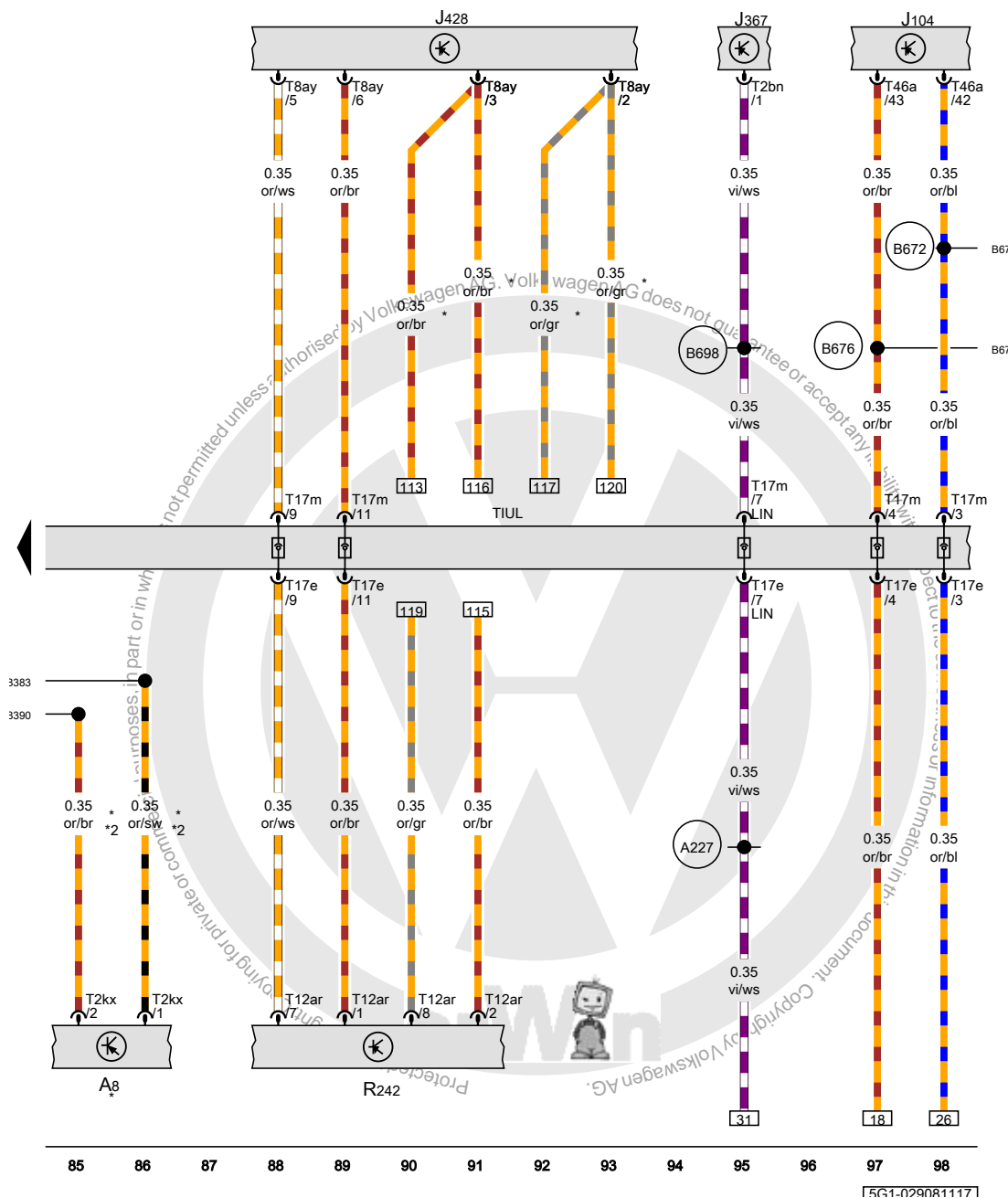
High-voltage battery 1, Airbag control unit, Engine/motor control unit, Control unit for structure-borne sound, Engine sound generator control unit, Protective diode for onboard supply for coasting function

- AX2 High-voltage battery 1
- J234 Airbag control unit
- J623 Engine/motor control unit
- J869 Control unit for structure-borne sound
- J943 Engine sound generator control unit
- J1159 Protective diode for onboard supply for coasting function
- T3bs 3-pin connector, yellow
- T6cu 6-pin connector
- T8ai 8-pin connector
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T17e 17-pin connector, brown
- T17f 17-pin connector, red
- T17m 17-pin connector, brown
- T17n 17-pin connector, red
- T90 90-pin connector
- THRM Coupling point in luggage compartment, centre
- TIUL Coupling point in interior, below left

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
 - B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
 - B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
 - B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
 - B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
 - B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
 - X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
 - X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness
- * see applicable current flow diagram for engine
*2 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

ABS control unit, Battery monitor control unit, Adaptive cruise control unit, Front camera for driver assist systems

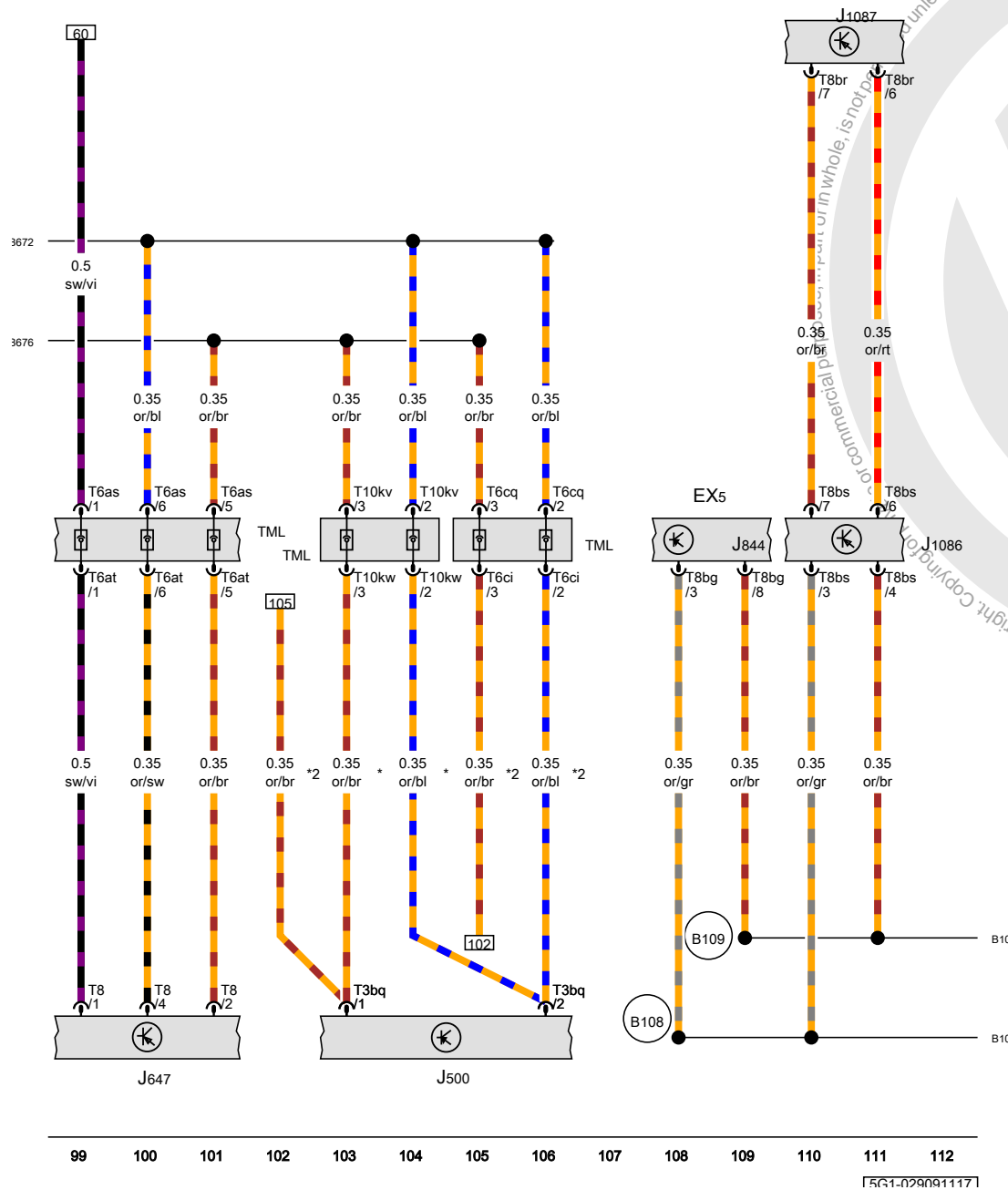


- A8 Additional battery for coasting function, under seat on front left
- J104 ABS control unit
- J367 Battery monitor control unit
- J428 Adaptive cruise control unit
- R242 Front camera for driver assist systems
- T2bn 2-pin connector
- T2kx 2-pin connector, black
- T8ay 8-pin connector
- T12ar 12-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T46a 46-pin connector
- TIUL Coupling point in interior, below left

- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B672 Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- B676 Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness

- * According to equipment
- *2 see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Interior mirror, Power steering control unit, Axle differential lock control unit, Main beam assist control unit, Blind Spot Monitor control unit, Blind Spot Monitor control unit 2

- EX5 Interior mirror
- J500 Power steering control unit
- J647 Axle differential lock control unit
- J844 Main beam assist control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- T3bq 3-pin connector
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T6ci 6-pin connector, black
- T6cq 6-pin connector, black
- T8 8-pin connector
- T8bg 8-pin connector
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T10kv 10-pin connector
- T10kw 10-pin connector, black
- TML Coupling point in engine compartment, left

- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B672 Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- B676 Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness

- * For models with diesel engine
- *2 For models with petrol engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit for cornering light and headlight range control

J745 Control unit for cornering light and headlight range control
 T17d 17-pin connector, black
 T17i 17-pin connector, black
 TIUL Coupling point in interior, below left

B108 Connection 1 (CAN bus extended high), in main wiring harness

B109 Connection 1 (CAN bus extended low), in main wiring harness

B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

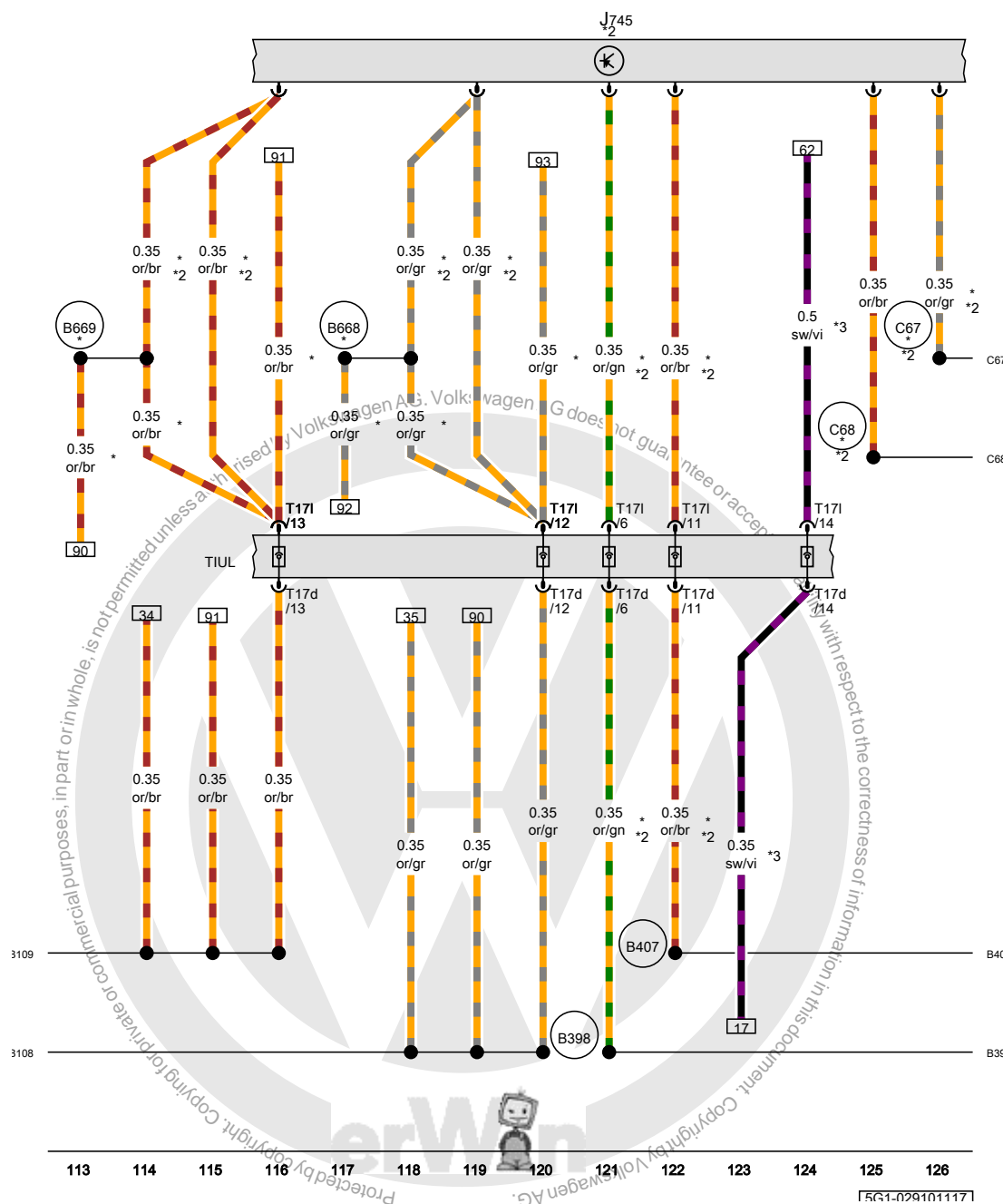
B668 Connection 2 (CAN bus extended high), in main wiring harness

B669 Connection 2 (CAN bus extended low), in main wiring harness

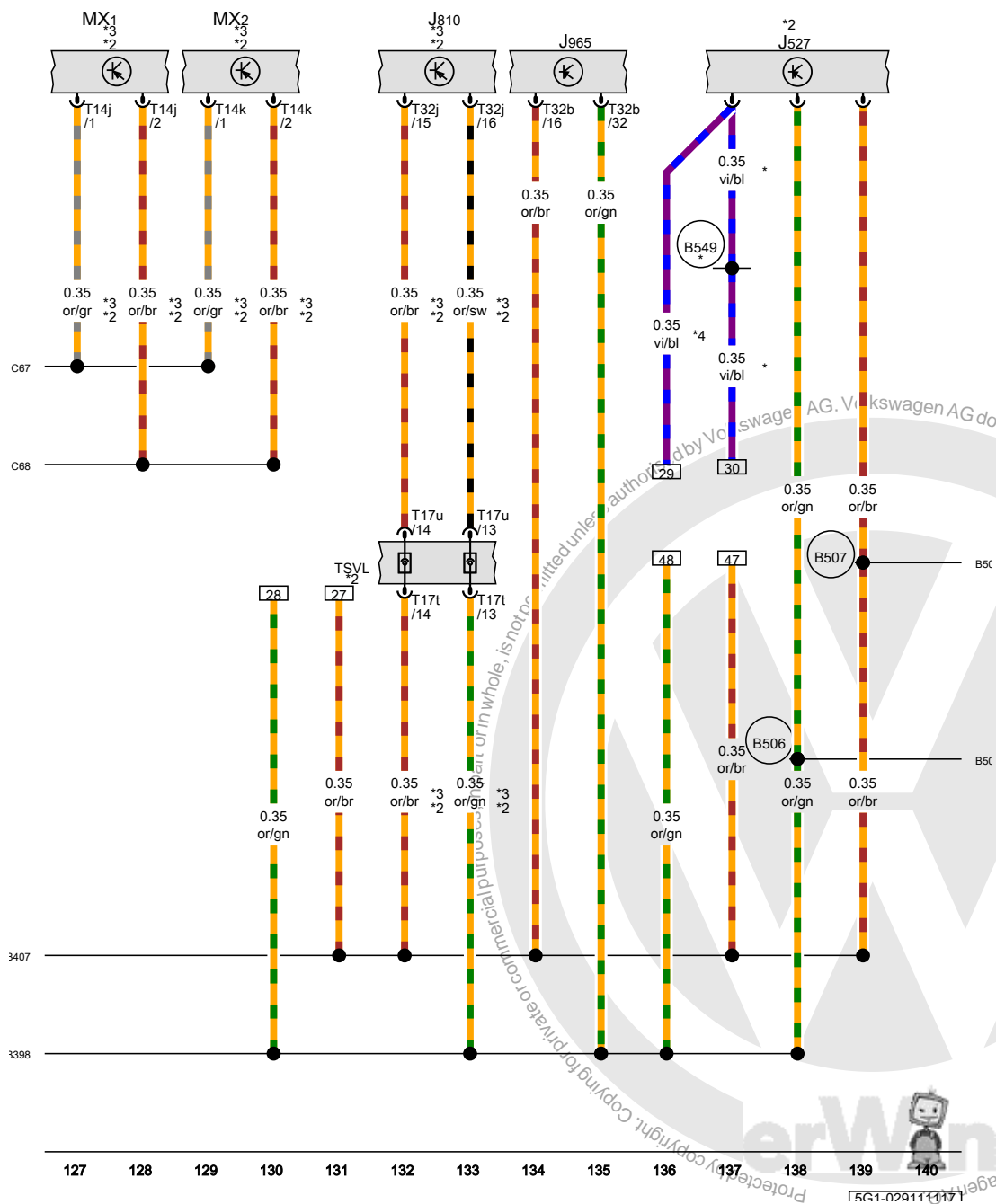
C67 Connection (CAN bus, high), in headlight wiring harness

C68 Connection (CAN bus, low), in headlight wiring harness

* According to equipment
 *2 see applicable current flow diagram
 *3 From November 2017



ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



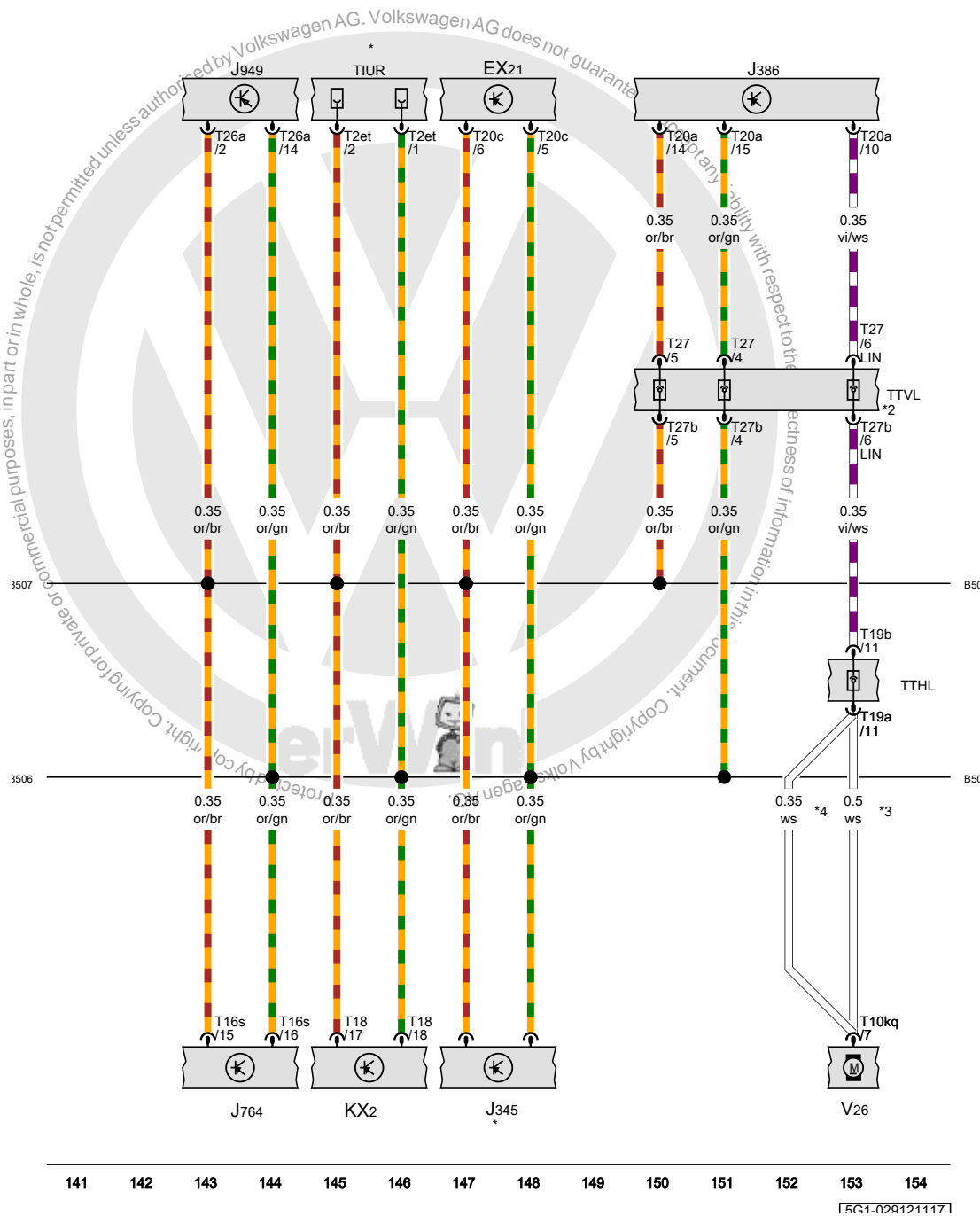
Steering column electronics control unit, Interface for entry and start system

- J527 Steering column electronics control unit
- J810 Driver seat adjustment control unit
- J965 Interface for entry and start system
- MX1 Front left headlight
- MX2 Front right headlight
- T14j 14-pin connector, black
- T14k 14-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T32b 32-pin connector
- T32j 32-pin connector, grey
- TSVL Coupling point for front left seat

- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- C67 Connection (CAN bus, high), in headlight wiring harness
- C68 Connection (CAN bus, low), in headlight wiring harness

- * Up to November 2015
- *2 see applicable current flow diagram
- *3 According to equipment
- *4 From November 2015

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Heater and air conditioning controls, Trailer detector control unit, Driver door control unit, Control unit for electronic steering column lock, Emergency call module control unit and communication unit, Dash panel insert, Rear left window regulator motor

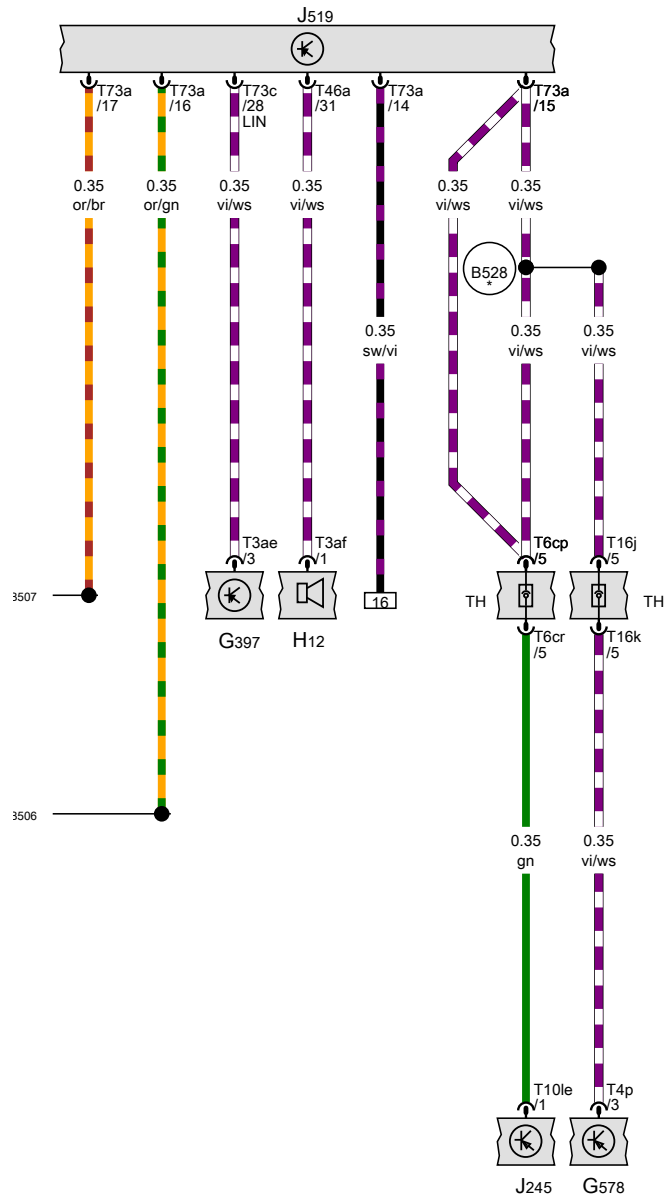
- EX21 Heater and air conditioning controls
- J345 Trailer detector control unit
- J386 Driver door control unit
- J764 Control unit for electronic steering column lock
- J949 Emergency call module control unit and communication unit
- KX2 Dash panel insert
- T2et 2-pin connector, black
- T10kq 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector
- T19a 19-pin connector, black
- T19b 19-pin connector, black
- T20a 20-pin connector
- T20c 20-pin connector
- T26a 26-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- TIUR Coupling point in interior, below right
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- V26 Rear left window regulator motor

B506 Connection (convenience CAN bus, high), in interior wiring harness

B507 Connection (convenience CAN bus, low), in interior wiring harness

- * see applicable current flow diagram for towing bracket
- *2 see applicable current flow diagram for convenience system
- *3 Up to November 2015
- *4 From November 2015

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 rt = red
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 bl = blue
 gr = grey
 li = purple
 vi = purple
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Rain and light sensor

- G397 Rain and light sensor
- G578 Anti-theft alarm sensor
- H12 Alarm horn
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- T3ae 3-pin connector
- T3af 3-pin connector
- T4p 4-pin connector
- T6cp 6-pin connector
- T6cr 6-pin connector
- T10le 10-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector
- T46a 46-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- TH Coupling point for roof

- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- * For models with anti-theft alarm system

- ws = white
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- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Gas discharge headlights with automatic headlight range control , (8IP),(8Q3)

From August 2012



Terminal 15 voltage supply relay, Onboard supply control unit, Fuse 1 on fuse holder A, Fuse holder C, Fuse 35 on fuse holder C

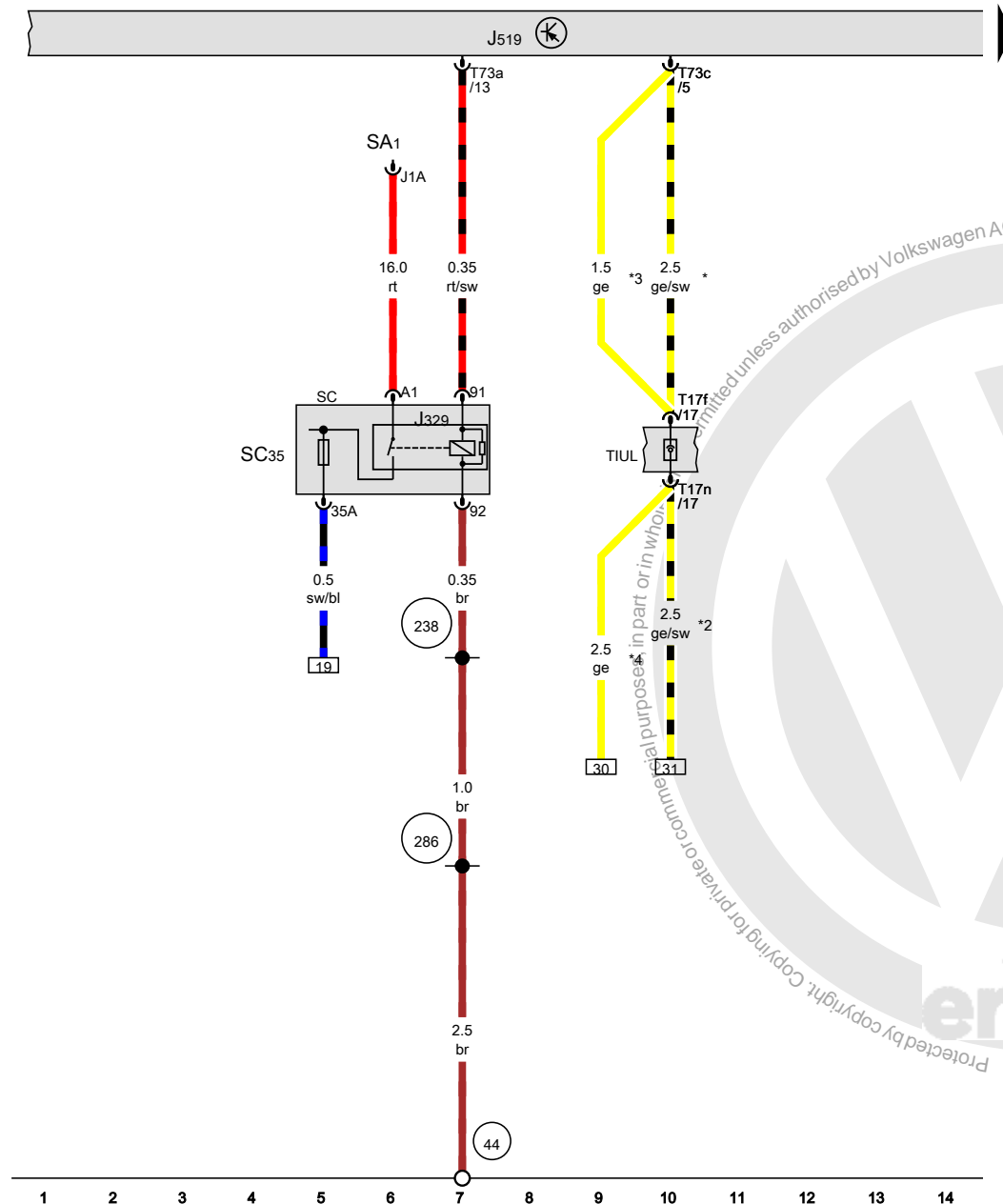
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC35 Fuse 35 on fuse holder C
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left

44 Earth point, lower part of left A-pillar

238 Earth connection 1, in interior wiring harness

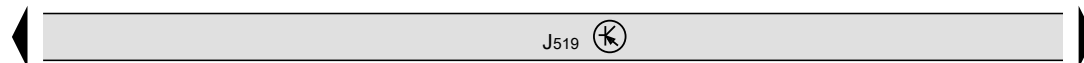
286 Earth connection 8, in interior wiring harness

- * Up to October 2014
- *2 Up to May 2015
- *3 From November 2014
- *4 From May 2015



- ws = white
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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

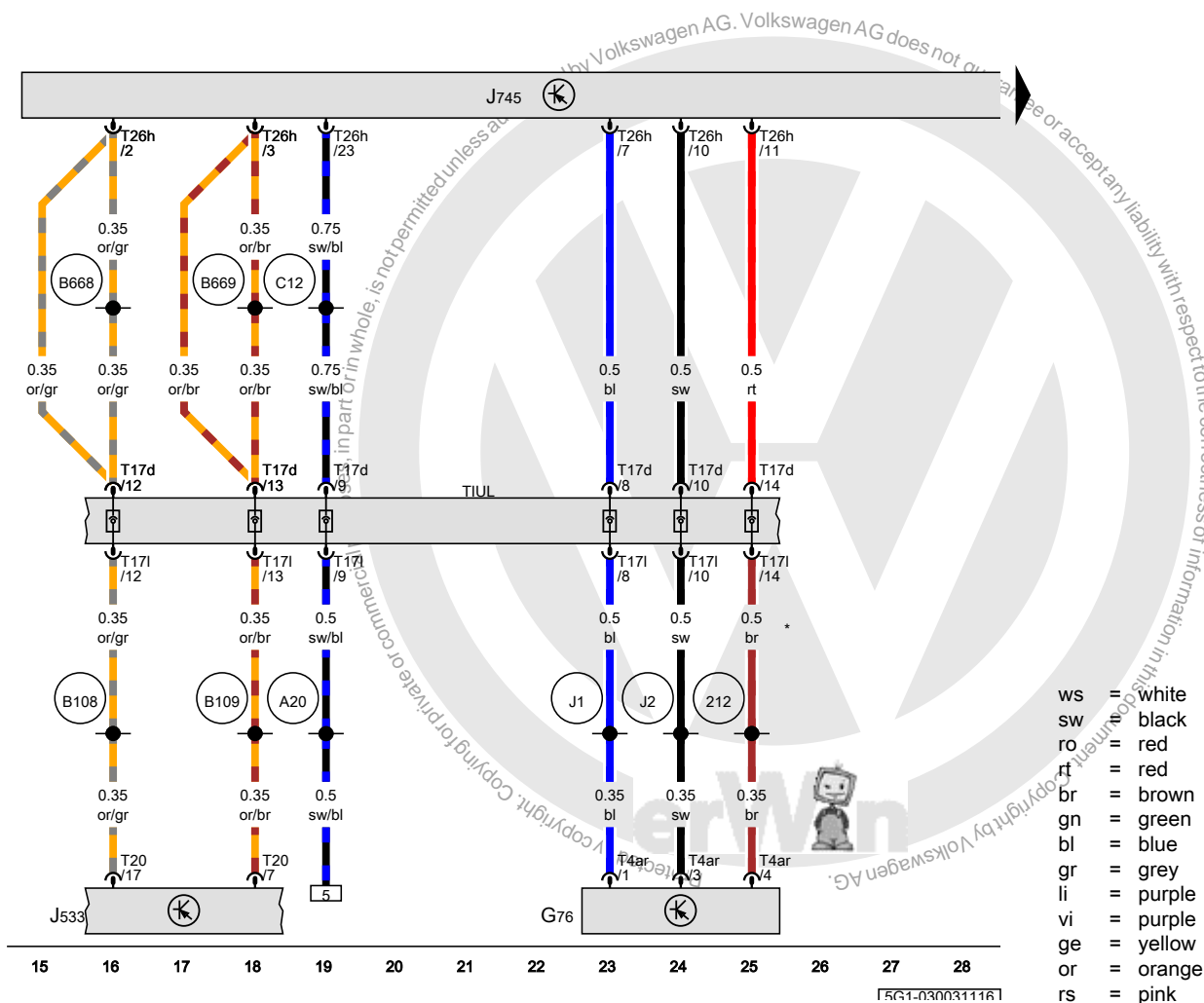
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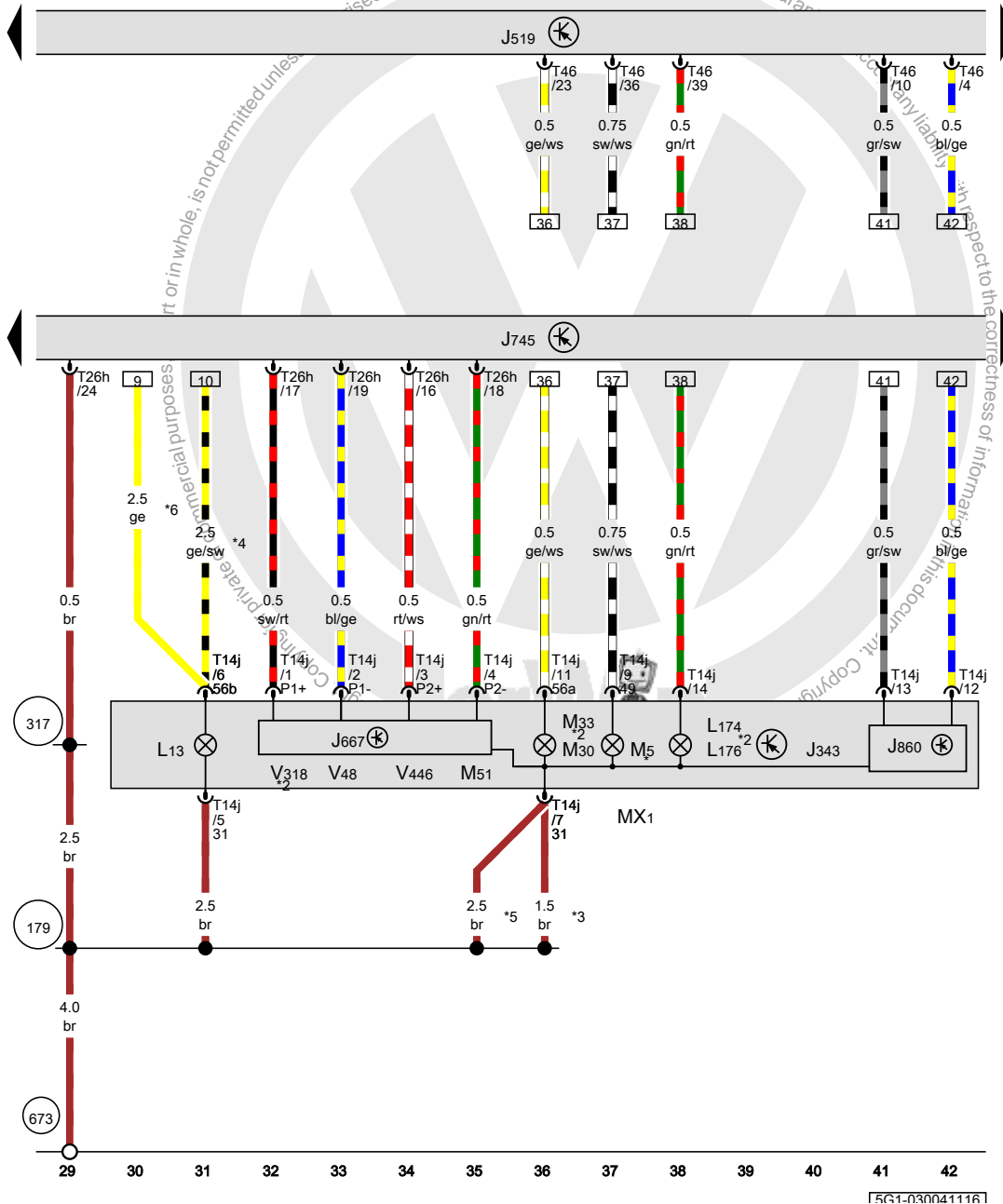


Rear left vehicle level sender, Onboard supply control unit, Data bus diagnostic interface, Control unit for cornering light and headlight range control

- G76 Rear left vehicle level sender
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J745 Control unit for cornering light and headlight range control
- T4ar 4-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T20 20-pin connector
- T26h 26-pin connector
- TIUL Coupling point in interior, below left

- 212 Earth connection 2, in ABS wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- J1 Positive connection (30), in ABS wiring harness
- J2 Positive connection (15), in ABS wiring harness
- * Wiring colour depends on equipment





Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Control unit for cornering light and headlight range control, Control unit for left daytime running light and side light, Left gas discharge (xenon) bulb, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Front left side marker bulb, Left static cornering light, Left headlight range control motor, Left dynamic cornering light control motor, Control motor for left VARILIS headlight

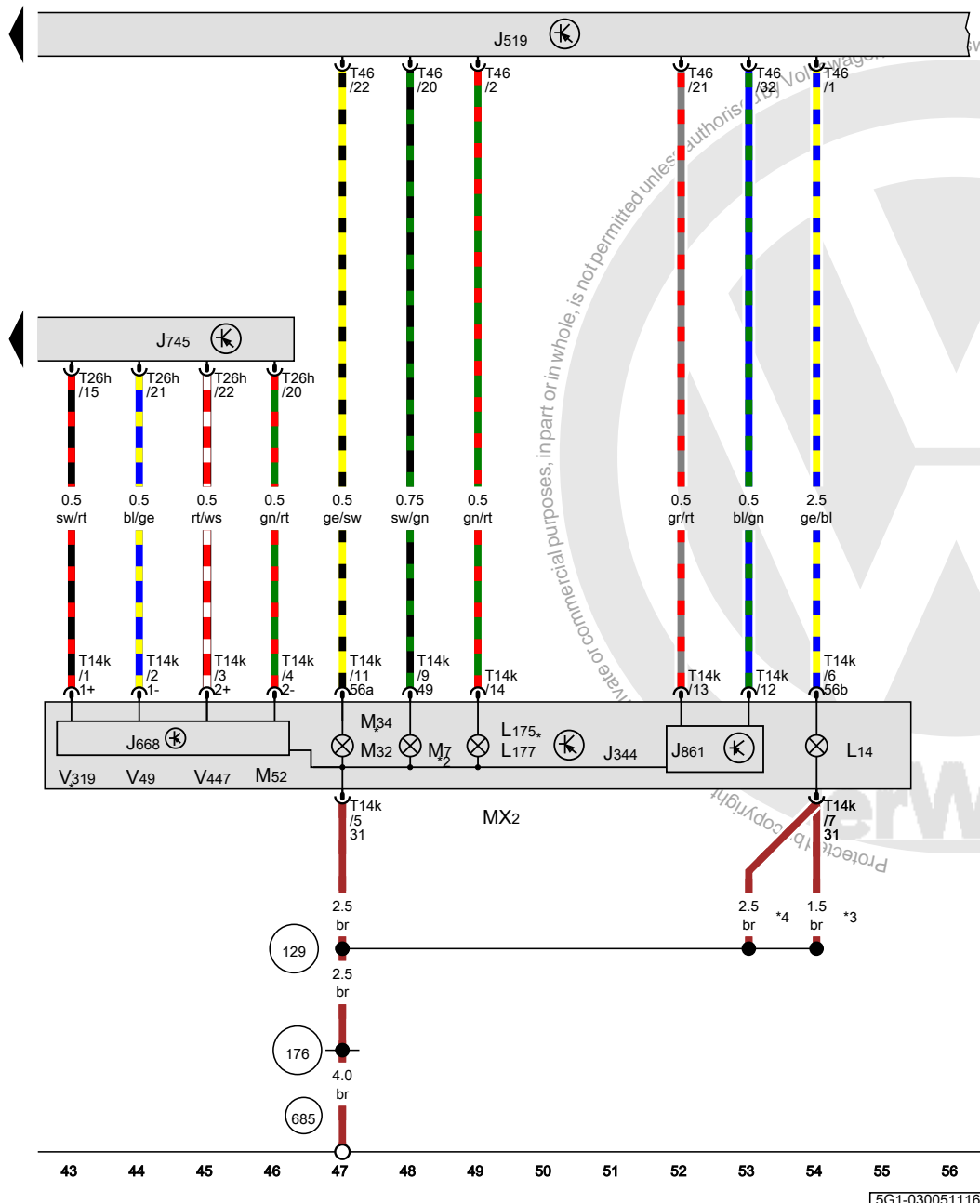
- J343 Left gas discharge bulb control unit
- J519 Onboard supply control unit
- J667 Output module for left headlight
- J745 Control unit for cornering light and headlight range control
- J860 Control unit for left daytime running light and side light
- L13 Left gas discharge (xenon) bulb
- L174 Left daytime running light bulb
- L176 Left LED module for daytime running light and side light
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M30 Left headlight main beam bulb
- M33 Front left side marker bulb
- M51 Left static cornering light
- T14j 14-pin connector
- T26h 26-pin connector
- T46 46-pin connector
- V48 Left headlight range control motor
- V318 Left dynamic cornering light control motor
- V446 Control motor for left VARILIS headlight

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member

- * Also as LED version
- *2 According to equipment
- *3 Up to May 2013
- *4 Up to May 2015
- *5 From May 2013
- *6 From May 2015

ws = white
 sw = black
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15G1-030041116



Right gas discharge bulb control unit, Onboard supply control unit, Output module for right headlight, Control unit for cornering light and headlight range control, Control unit for right daytime running light and side light, Right gas discharge (xenon) bulb, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Front right side marker bulb, Right static cornering light, Right headlight range control motor, Right dynamic cornering light control motor, Control motor for right VARILIS headlight

- J344 Right gas discharge bulb control unit
- J519 Onboard supply control unit
- J668 Output module for right headlight
- J745 Control unit for cornering light and headlight range control
- J861 Control unit for right daytime running light and side light
- L14 Right gas discharge (xenon) bulb
- L175 Right daytime running light bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M32 Right headlight main beam bulb
- M34 Front right side marker bulb
- M52 Right static cornering light
- T14k 14-pin connector
- T26h 26-pin connector
- T46 46-pin connector
- V49 Right headlight range control motor
- V319 Right dynamic cornering light control motor
- V447 Control motor for right VARILIS headlight

- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member

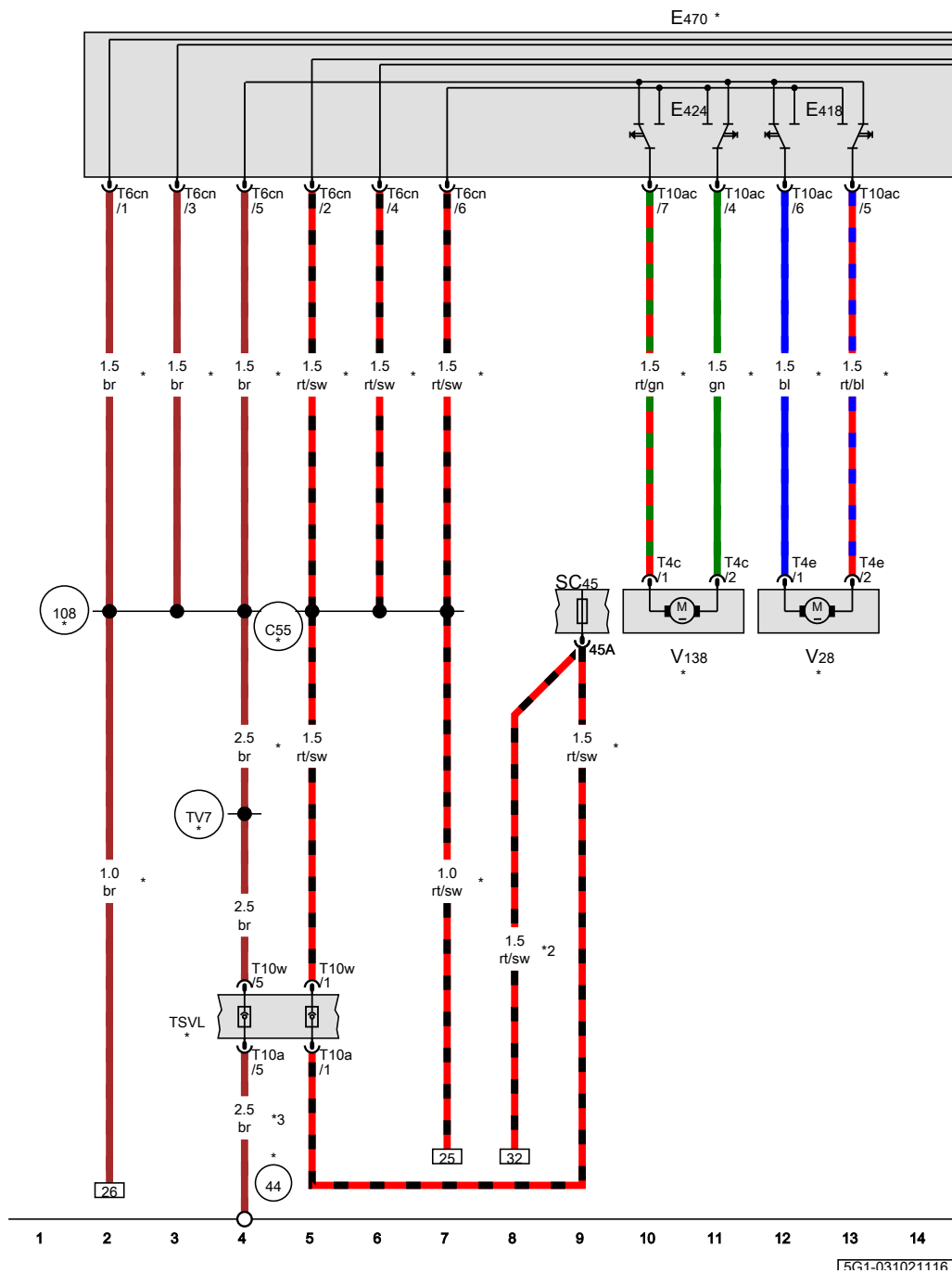
- * According to equipment
- *2 Also as LED version
- *3 Up to May 2013
- *4 From May 2013

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Electric seat adjustment with no memory function , (3PB),(3PE),(7P7),(7P8)

From August 2012





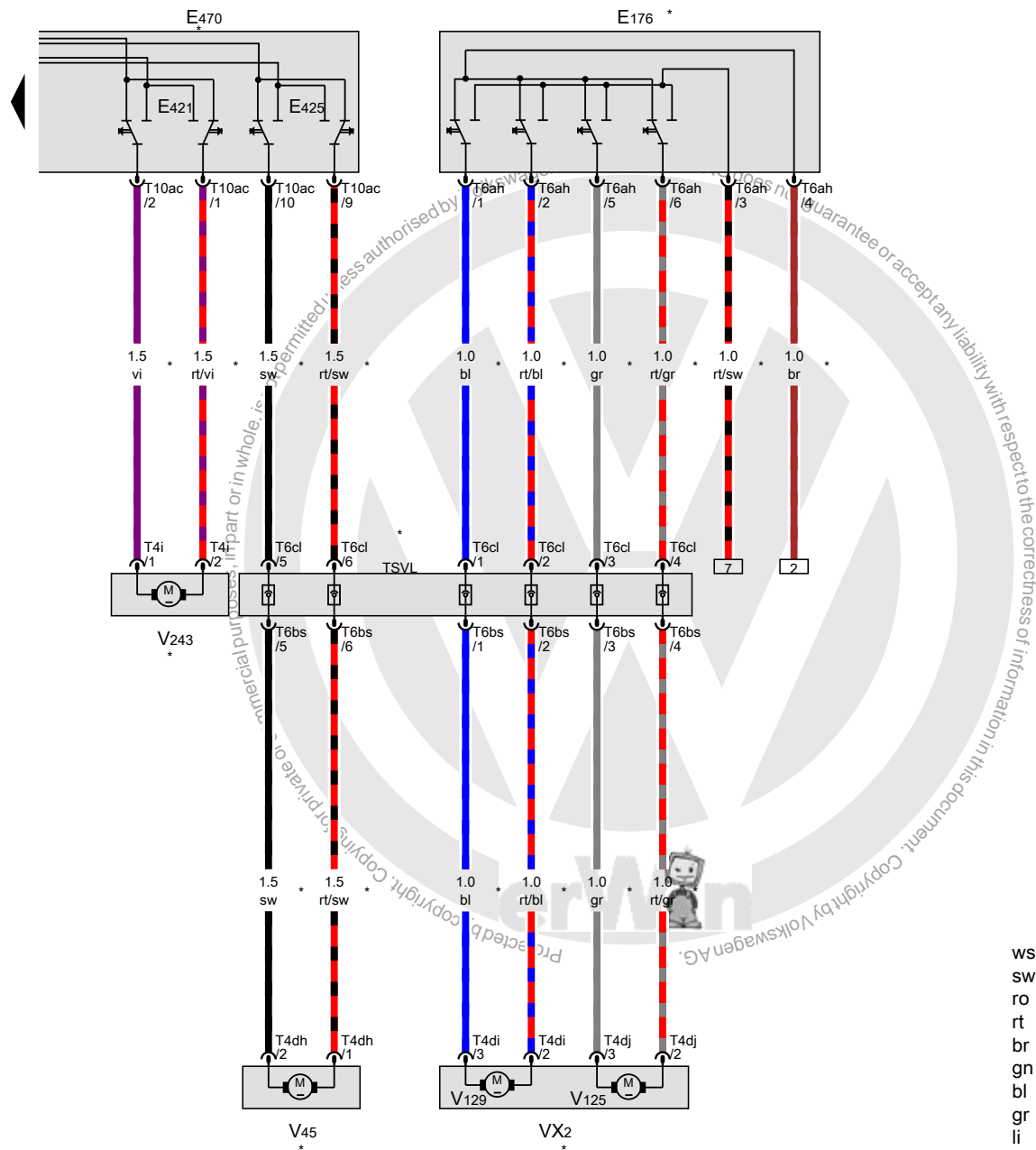
15G1-0310211161

Seat longitudinal adjustment button, Seat height adjustment button, Driver seat adjustment operating unit, Driver seat longitudinal adjustment motor, Driver seat height adjustment motor

- E418 Seat longitudinal adjustment button
- E424 Seat height adjustment button
- E470 Driver seat adjustment operating unit
- SC45 Fuse 45 on fuse holder C
- T4c 4-pin connector
- T4e 4-pin connector
- T6cn 6-pin connector
- T10a 10-pin connector, black
- T10ac 10-pin connector
- T10w 10-pin connector, black
- TSVL Coupling point for front left seat
- V28 Driver seat longitudinal adjustment motor
- V138 Driver seat height adjustment motor

- 44 Earth point, lower part of left A-pillar
- 108 Earth connection 2, in front left wiring harness
- C55 Positive connection (30a), in front left wiring harness
- TV7 Terminal 31 wiring junction
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Cross section depends on equipment

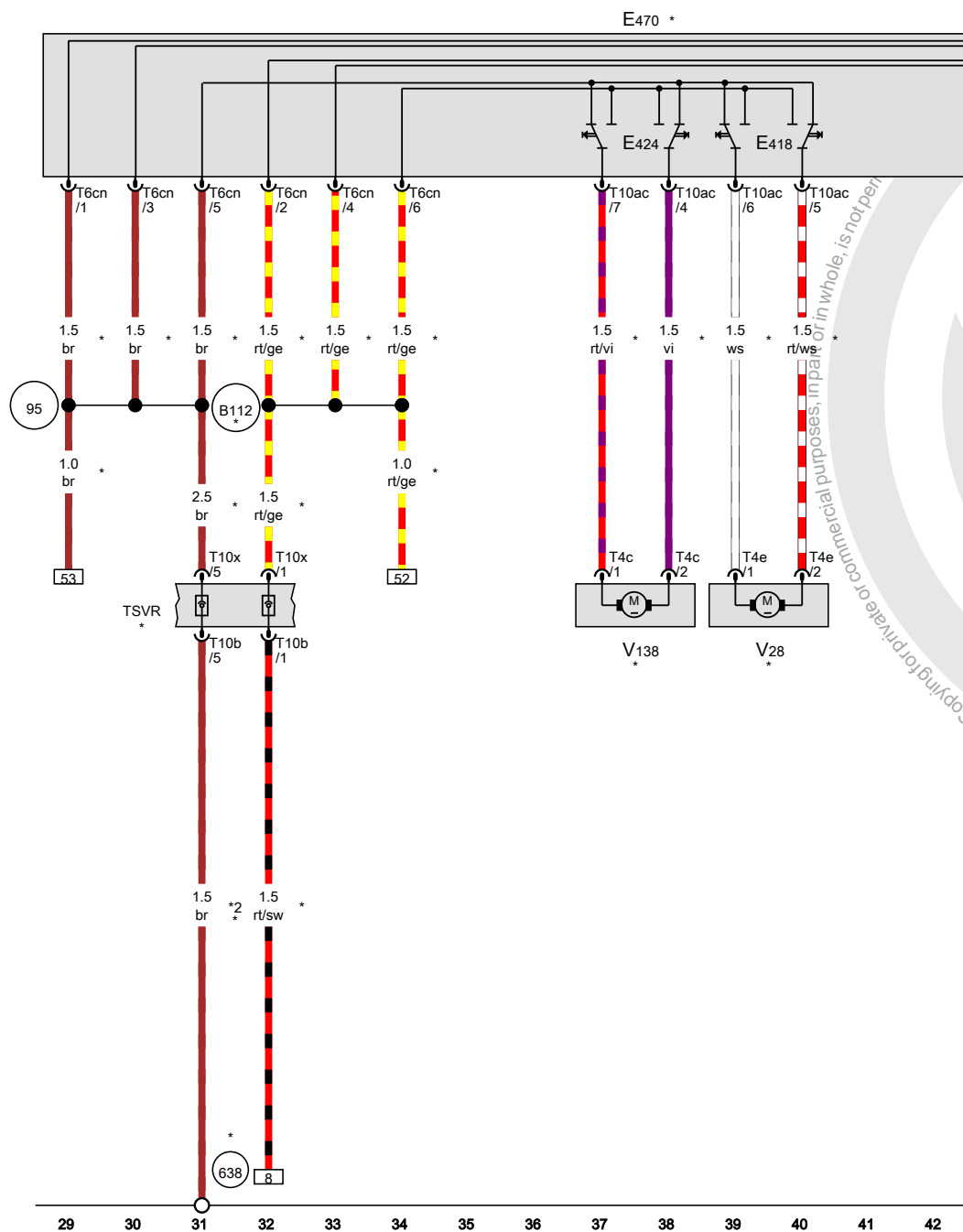
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Driver seat lumbar support adjustment switch, Rake adjustment button, Backrest adjustment button, Driver seat adjustment operating unit, Lumbar support for driver seat, Driver seat backrest adjustment motor, Driver seat rake adjustment motor

- E176 Driver seat lumbar support adjustment switch
- E421 Rake adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4dh 4-pin connector
- T4di 4-pin connector
- T4dj 4-pin connector
- T4i 4-pin connector
- T6ah 6-pin connector
- T6bs 6-pin connector, black
- T6cl 6-pin connector, black
- T10ac 10-pin connector
- TSVL Coupling point for front left seat
- VX2 Lumbar support for driver seat
- V45 Driver seat backrest adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V243 Driver seat rake adjustment motor
- * Only left-hand drive models
- *2 Only right-hand drive models

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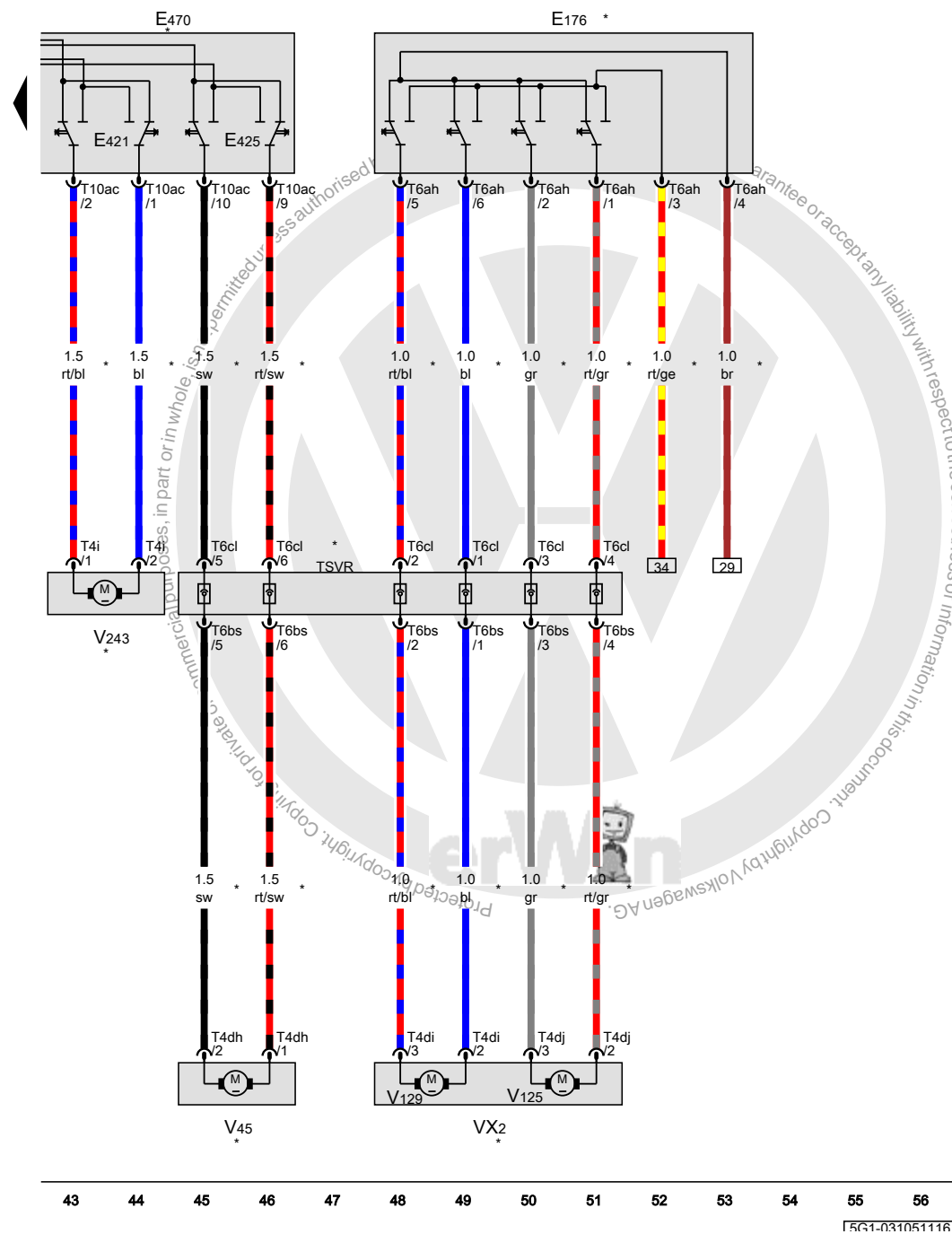


Seat longitudinal adjustment button, Seat height adjustment button, Driver seat adjustment operating unit, Driver seat longitudinal adjustment motor, Driver seat height adjustment motor

- E418 Seat longitudinal adjustment button
- E424 Seat height adjustment button
- E470 Driver seat adjustment operating unit
- T4c 4-pin connector
- T4e 4-pin connector
- T6cn 6-pin connector
- T10ac 10-pin connector
- T10b 10-pin connector, black
- T10x 10-pin connector, black
- TSVR Coupling point for front right seat
- V28 Driver seat longitudinal adjustment motor
- V138 Driver seat height adjustment motor

- 95 Earth connection 1, in seat adjustment wiring harness
- 638 Earth point, on right A-pillar
- B112 Positive connection (30a), in right interior wiring harness
- * Only right-hand drive models
- *2 Cross section depends on equipment

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Driver seat lumbar support adjustment switch, Rake adjustment button, Backrest adjustment button, Driver seat adjustment operating unit, Lumbar support for driver seat, Driver seat backrest adjustment motor, Driver seat rake adjustment motor

- E176 Driver seat lumbar support adjustment switch
- E421 Rake adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4dh 4-pin connector
- T4di 4-pin connector
- T4dj 4-pin connector
- T4i 4-pin connector
- T6ah 6-pin connector
- T6bs 6-pin connector, black
- T6cl 6-pin connector, black
- T10ac 10-pin connector
- TSVR Coupling point for front right seat
- VX2 Lumbar support for driver seat
- V45 Driver seat backrest adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V243 Driver seat rake adjustment motor
- * Only right-hand drive models

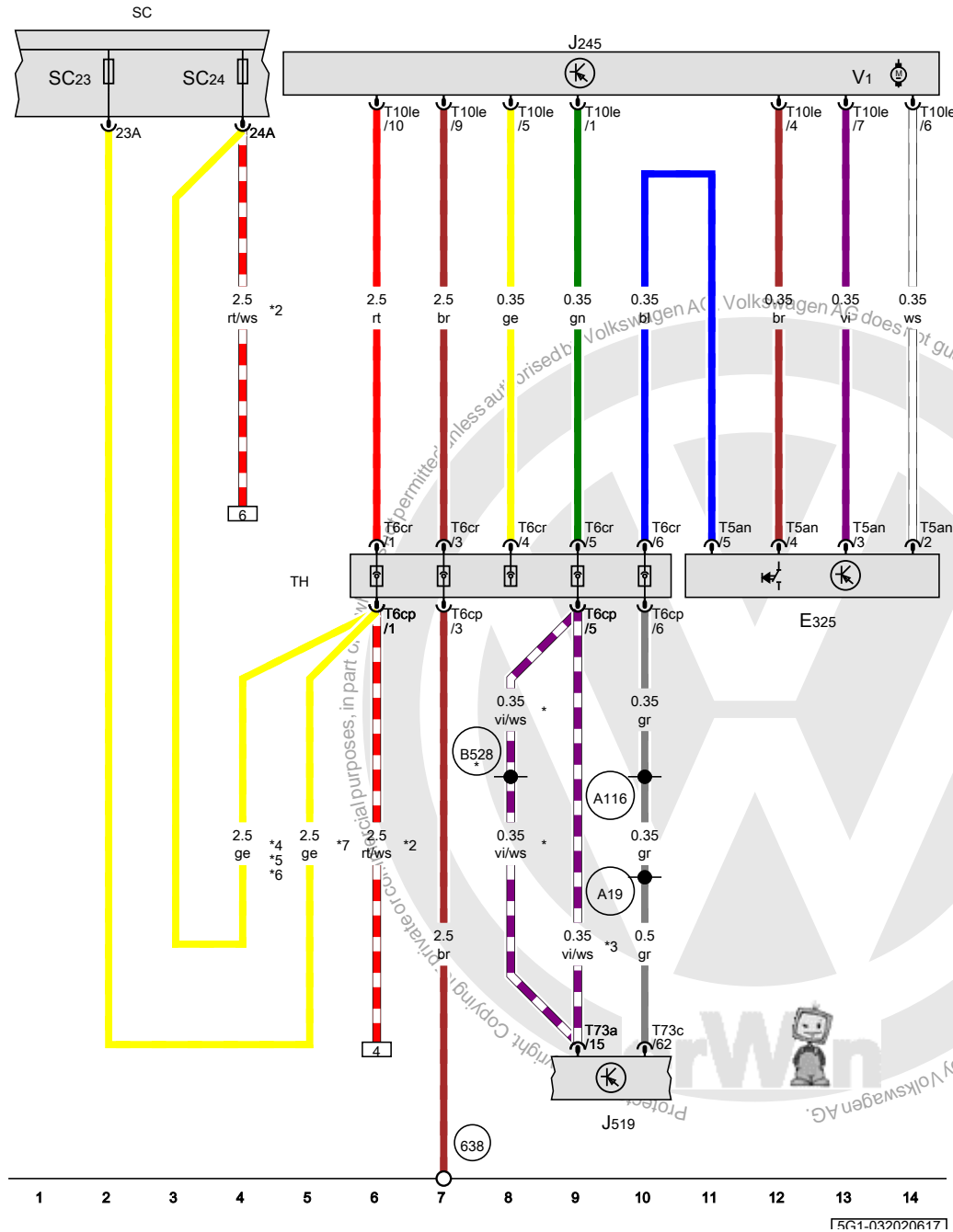
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Electric sliding sunroof , (3FB)

From August 2012



Sunroof button, Sliding sunroof adjustment control unit, Onboard supply control unit, Sliding sunroof motor



- E325 Sunroof button
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- SC Fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- T5an 5-pin connector
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T10le 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- TH Coupling point for roof
- V1 Sliding sunroof motor

- 638 Earth point, on right A-pillar
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- * For models with anti-theft alarm system
- *2 Up to November 2015
- *3 For models with no anti-theft alarm system
- *4 From November 2015
- *5 gradual introduction
- *6 Up to May 2017
- *7 From May 2017

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Reversing camera (Rear Assist) , (KA1)

From August 2012



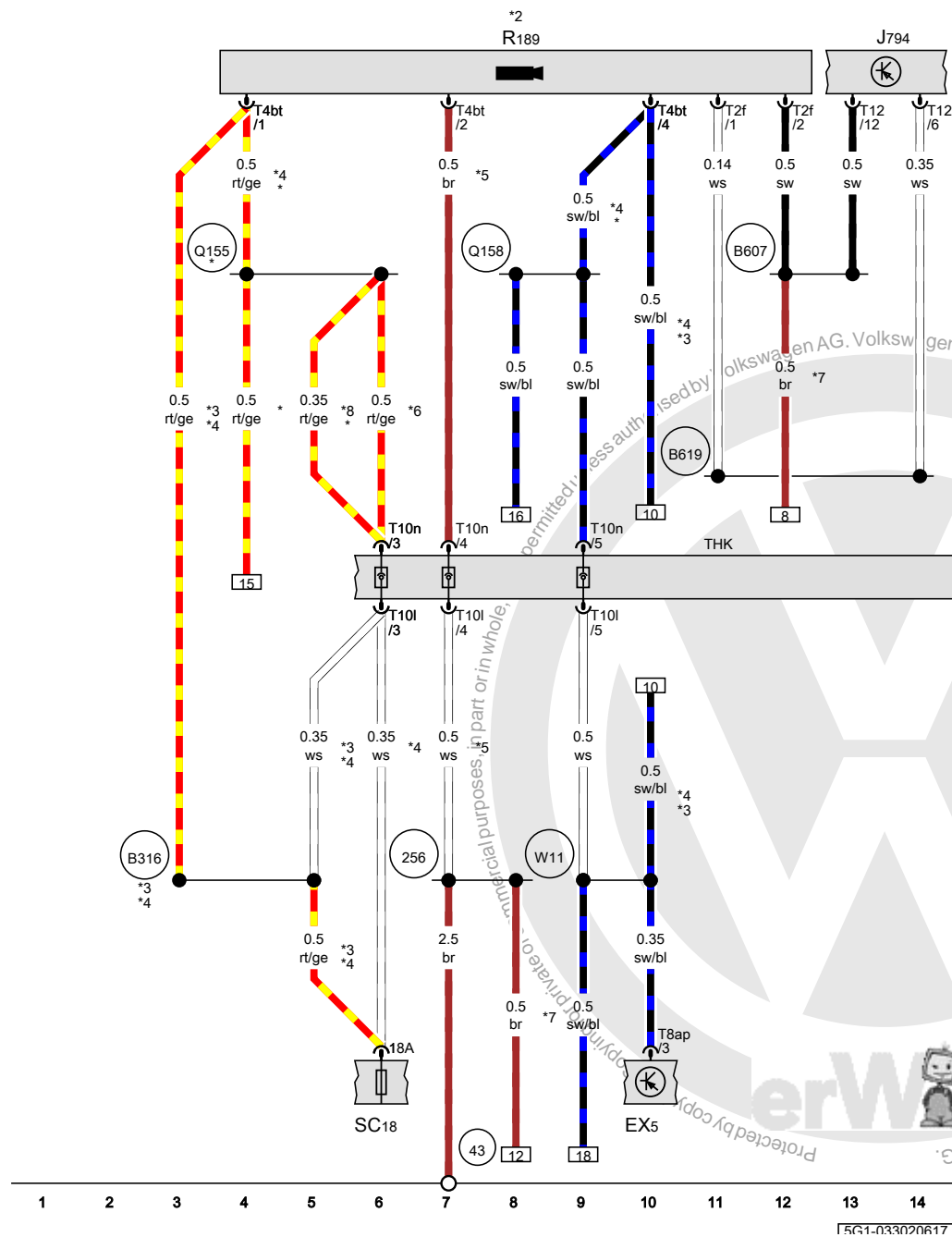
Interior mirror, Control unit 1 for information electronics,
Reversing camera

- EX5 Interior mirror
- J794 Control unit 1 for information electronics
- R189 Reversing camera
- SC18 Fuse 18 on fuse holder C
- T2f 2-pin connector
- T4bt 4-pin connector
- T8ap 8-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T12 12-pin connector, blue
- THK Coupling point for rear lid

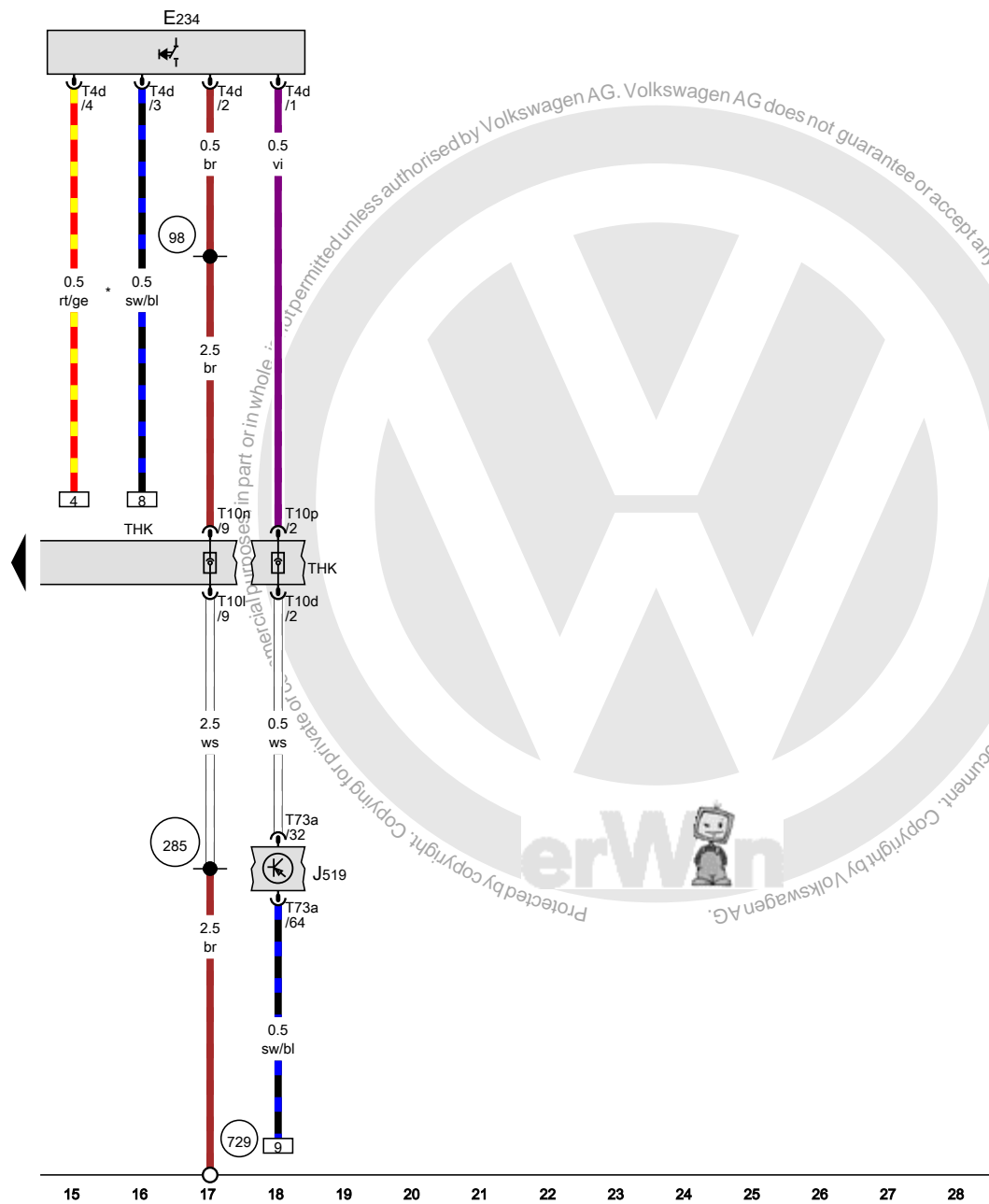
- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- B316 Positive connection 2 (30a) in main wiring harness
- B607 Connection 3, in interior wiring harness
- B619 Connection (parking aid), in interior wiring harness
- Q155 Connection (30a), in rear lid wiring harness
- Q158 Connection (RL) in rear lid wiring harness
- W11 Connection (58), in rear lid wiring harness

- * Up to May 2017
- *2 Pre-wired component
- *3 From November 2016
- *4 According to equipment
- *5 Up to May 2013
- *6 Up to May 2015
- *7 From May 2013
- *8 From May 2015

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Rear lid handle release button, Onboard supply control unit



- E234 Rear lid handle release button
- J519 Onboard supply control unit
- T4d 4-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- T73a 73-pin connector, black
- THK Coupling point for rear lid

- 98 Earth connection, in rear lid wiring harness
- 285 Earth connection 7, in interior wiring harness
- 729 Earth point, on left rear wheel housing

* Up to May 2017

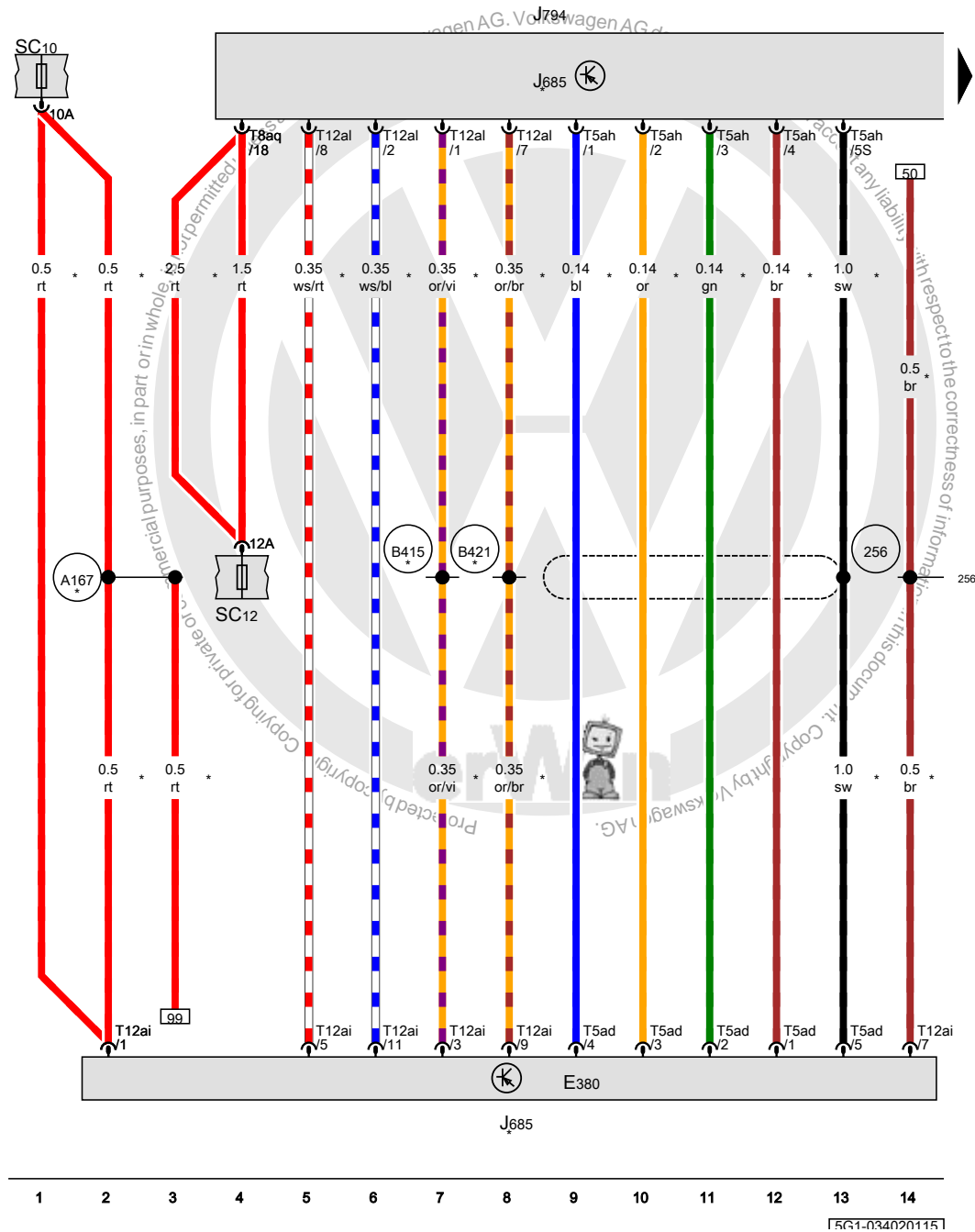
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Radio navigation system

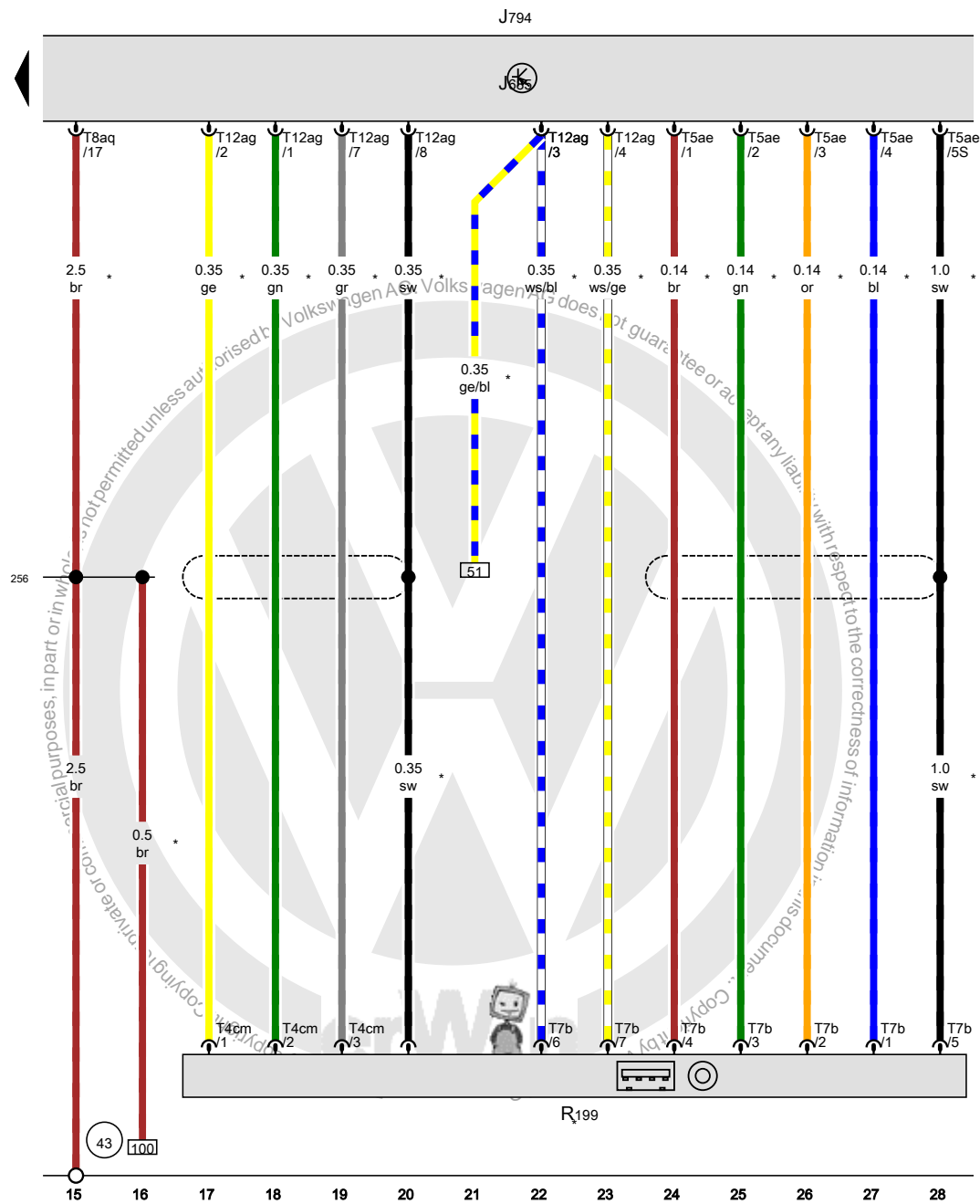
From August 2012



Multimedia system operating unit, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics



- E380 Multimedia system operating unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- SC10 Fuse 10 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- T5ad 5-pin connector
- T5ah 5-pin connector, grey
- T8aq 8-pin connector, black
- T12ai 12-pin connector
- T12al 12-pin connector, grey
- 256 Earth connection 2, in radio wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness
- * According to equipment



Control unit 1 for information electronics, Connection for external audio sources

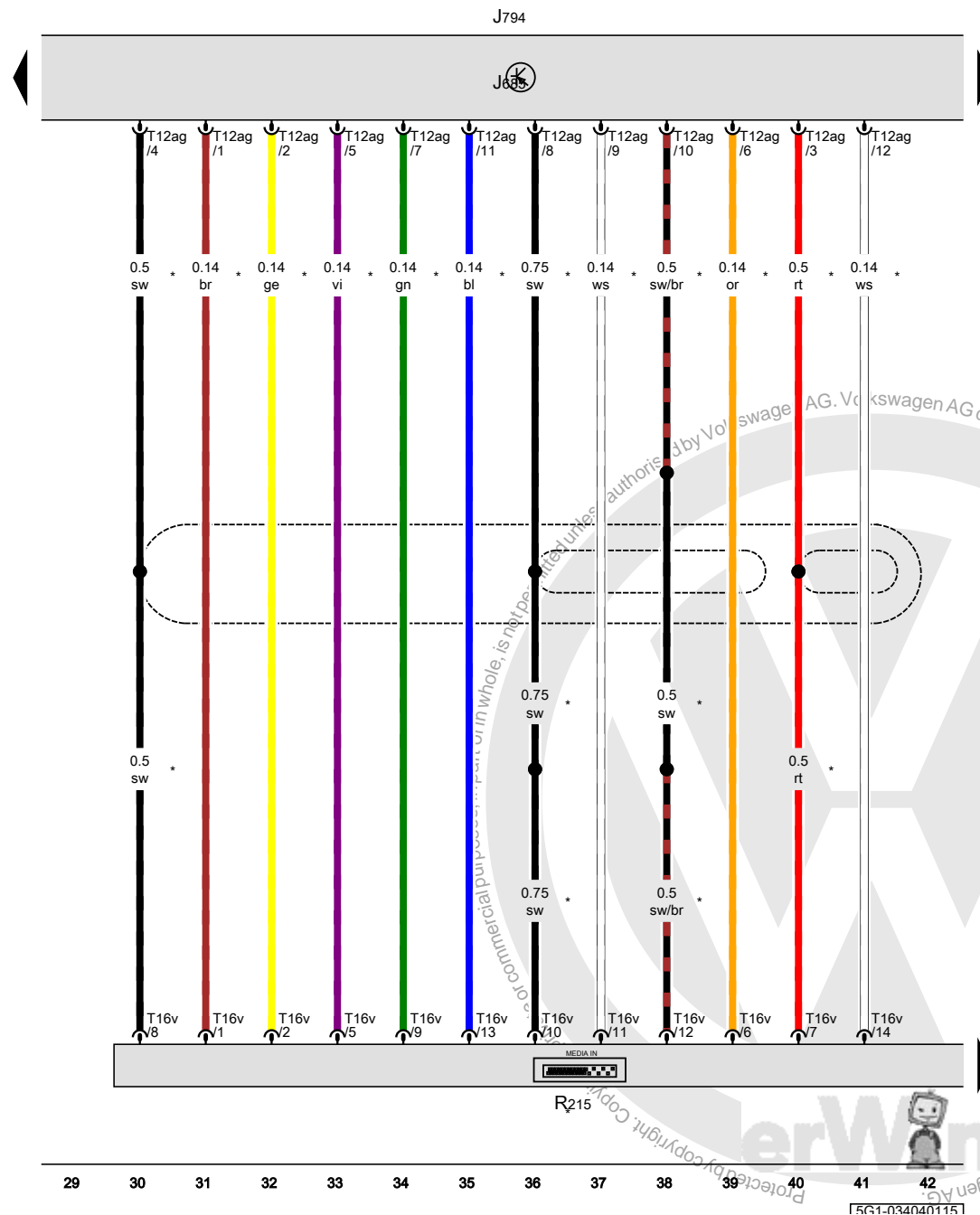
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R199 Connection for external audio sources
- T4cm 4-pin connector
- T5ae 5-pin connector, yellow
- T7b 7-pin connector
- T8aq 8-pin connector, black
- T12ag 12-pin connector, green

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- * According to equipment

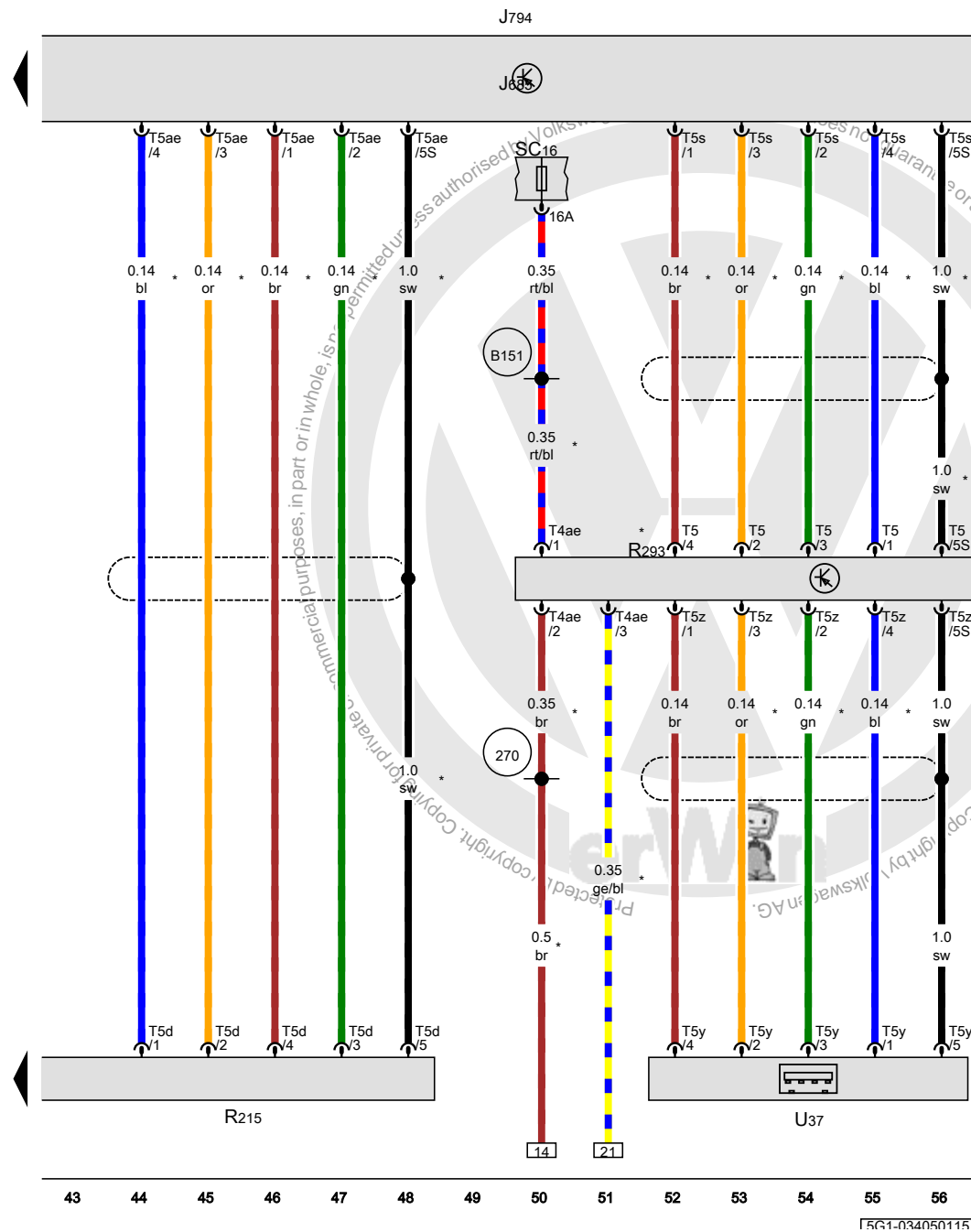
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Control unit 1 for information electronics, Interface for external multimedia unit

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R215 Interface for external multimedia unit
- T12ag 12-pin connector, green
- T16v 16-pin connector
- * According to equipment



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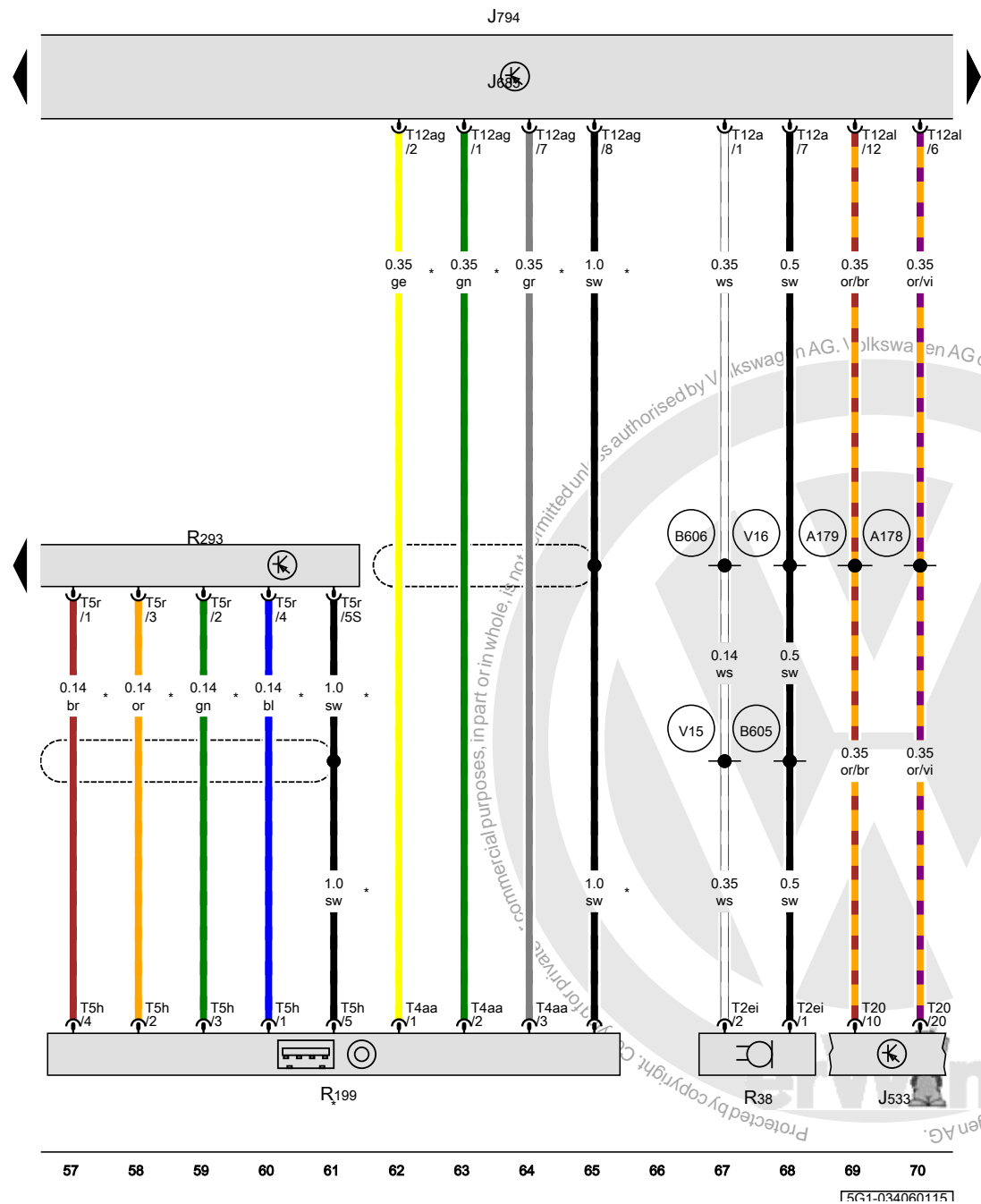
Control unit 1 for information electronics, Interface for external multimedia unit, USB hub, USB charging socket 1

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R215 Interface for external multimedia unit
- R293 USB hub, under centre console
- SC16 Fuse 16 on fuse holder C
- T4ae 4-pin connector, red
- T5 5-pin connector, green
- T5ae 5-pin connector, yellow
- T5d 5-pin connector
- T5s 5-pin connector
- T5y 5-pin connector, green
- T5z 5-pin connector, blue
- U37 USB charging socket 1

270 Earth connection, in telephone wiring harness

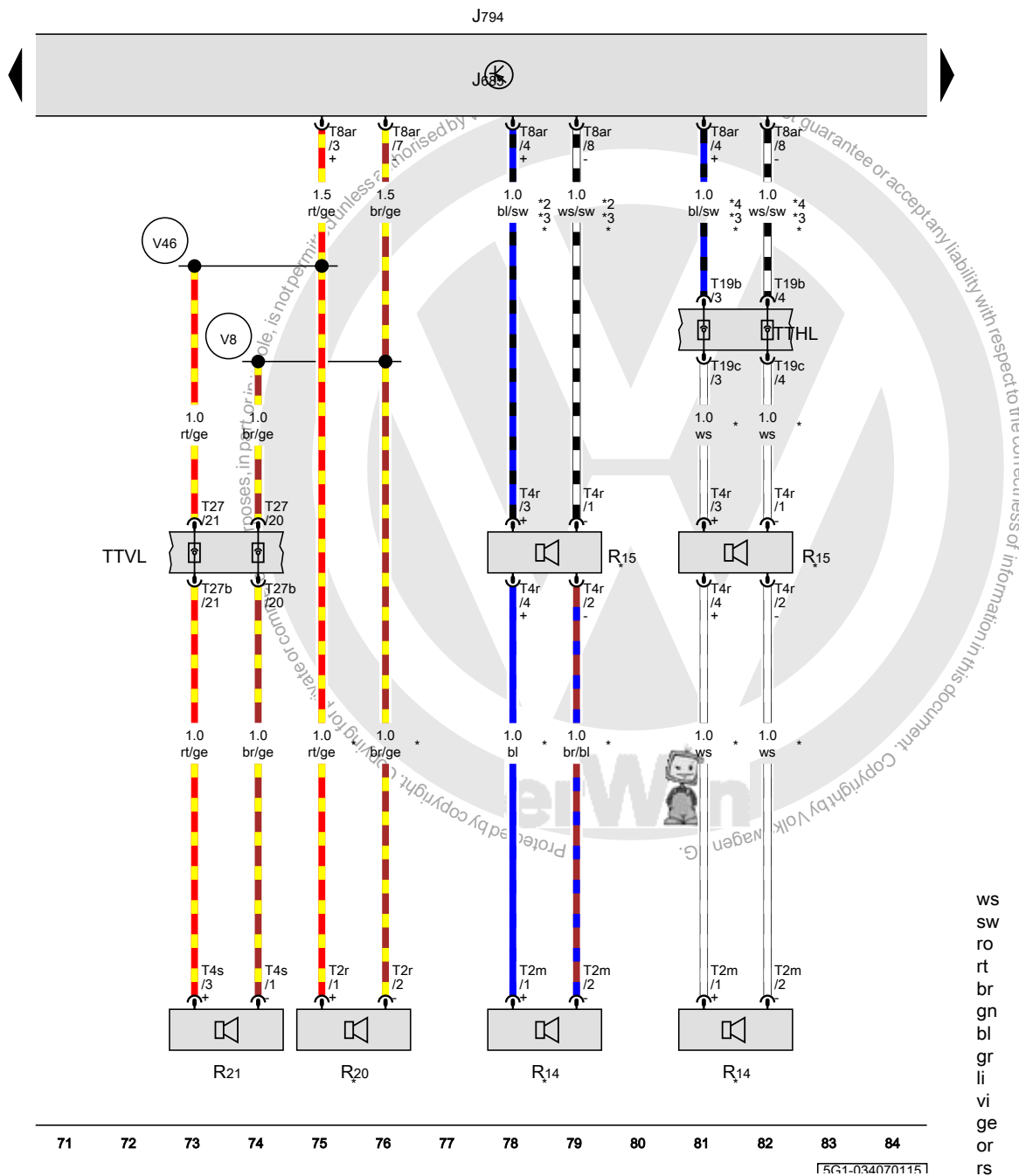
B151 Positive connection 3 (30a), in interior wiring harness

* According to equipment



Data bus diagnostic interface, Control unit 1 for information electronics, Telephone microphone, Connection for external audio sources, USB hub

- J533 Data bus diagnostic interface
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R38 Telephone microphone
- R199 Connection for external audio sources
- R293 USB hub, under centre console
- T2ei 2-pin connector
- T4aa 4-pin connector
- T5h 5-pin connector, green
- T5r 5-pin connector, purple
- T12a 12-pin connector, blue
- T12ag 12-pin connector, green
- T12al 12-pin connector, grey
- T20 20-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B605 Connection 1, in interior wiring harness
- B606 Connection 2, in interior wiring harness
- V15 Connection, in telephone wiring harness
- V16 Connection (screening), in telephone wiring harness
- * According to equipment



Control unit 1 for information electronics, Rear left treble loudspeaker, Rear left bass loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

J685 Display unit for front information display and operating unit control unit

J794 Control unit 1 for information electronics

R14 Rear left treble loudspeaker

R15 Rear left bass loudspeaker

R20 Front left treble loudspeaker

R21 Front left bass loudspeaker

T2m 2-pin connector

T2r 2-pin connector

T4r 4-pin connector

T4s 4-pin connector

T8ar 8-pin connector

T19b 19-pin connector, black

T19c 19-pin connector, black

T27 27-pin connector, black

T27b 27-pin connector, black

TTHL Coupling point on rear left door

TTVL Coupling point on front left door

V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness

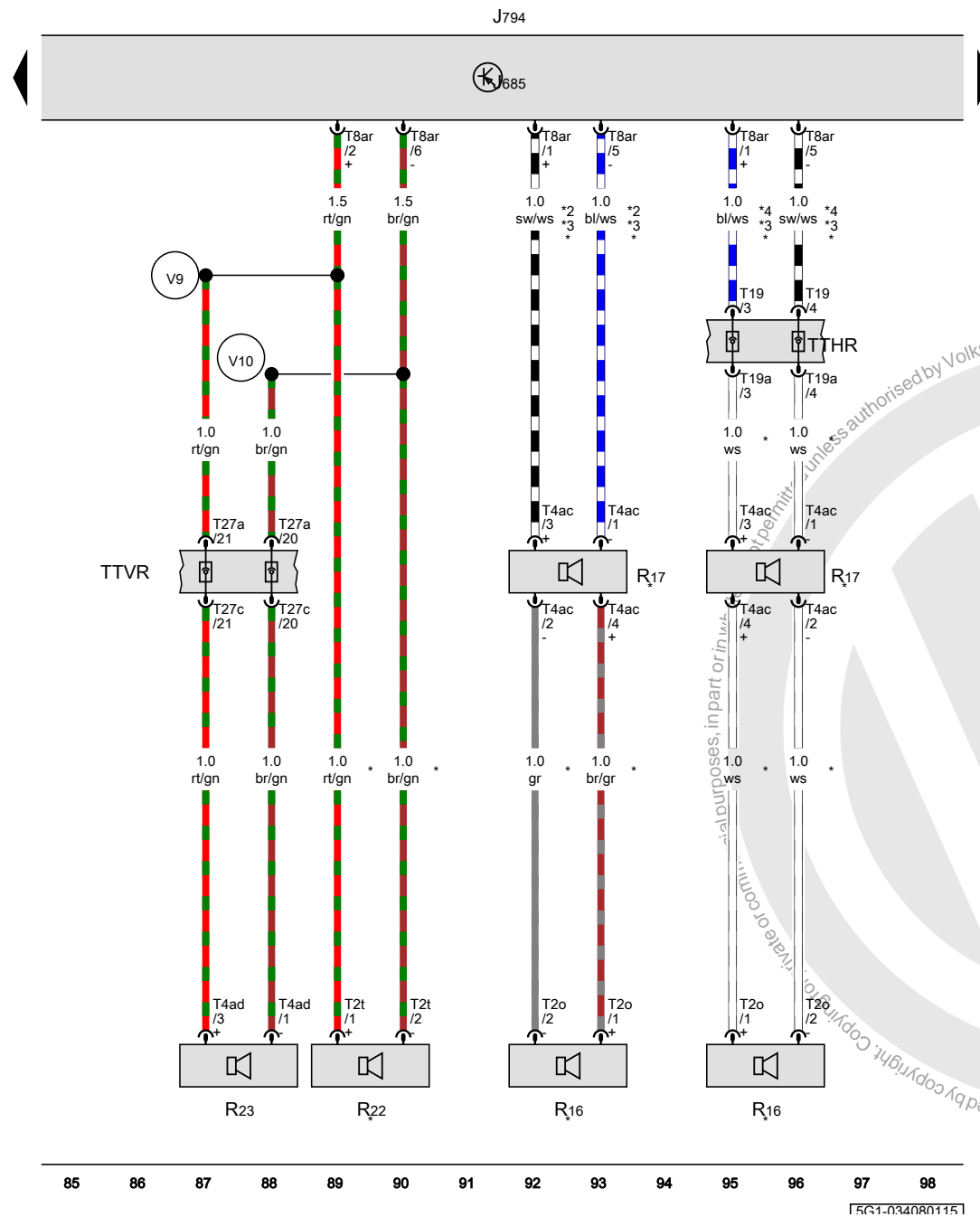
V46 Connection (front left loudspeaker), in loudspeaker wiring harness

* According to equipment

*2 Only models with 2-doors

*3 Wiring colour depends on equipment

*4 Only models with 4-doors



Control unit 1 for information electronics, Rear right treble loudspeaker, Rear right bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J685 Display unit for front information display and operating unit control unit

J794 Control unit 1 for information electronics

R16 Rear right treble loudspeaker

R17 Rear right bass loudspeaker

R22 Front right treble loudspeaker

R23 Front right bass loudspeaker

T2o 2-pin connector

T2t 2-pin connector

T4ac 4-pin connector

T4ad 4-pin connector

T8ar 8-pin connector

T19 19-pin connector, black

T19a 19-pin connector, black

T27a 27-pin connector, black

T27c 27-pin connector, black

TTHR Coupling point on rear right door

TTVR Coupling point on front right door

V9 Connection (positive, front right loudspeaker), in loudspeaker wiring harness

V10 Connection (negative, front right loudspeaker), in loudspeaker wiring harness

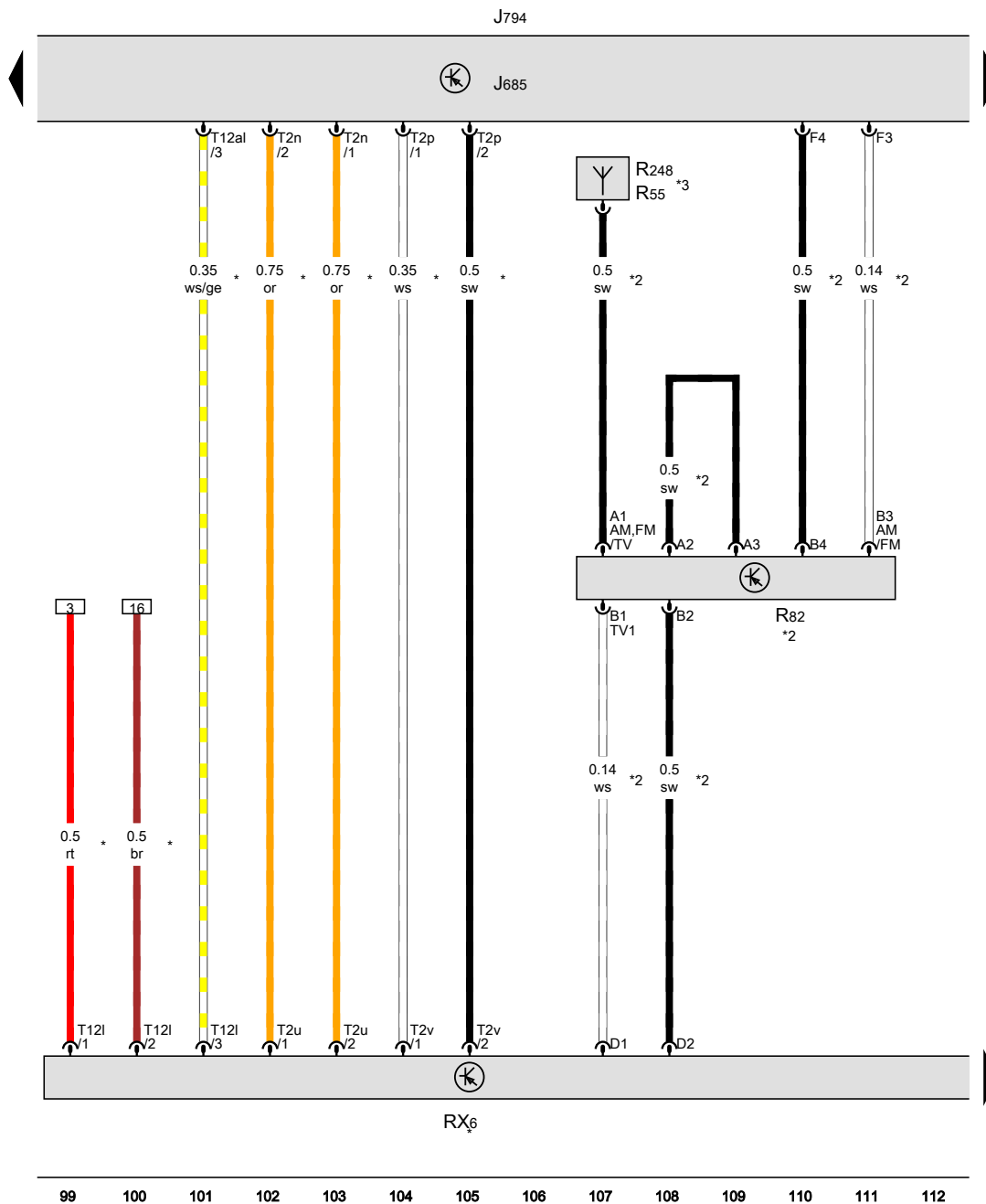
* According to equipment

*2 Only models with 2-doors

*3 Wiring colour depends on equipment

*4 Only models with 4-doors

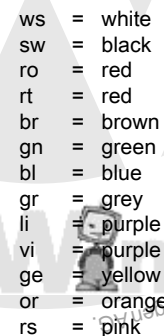
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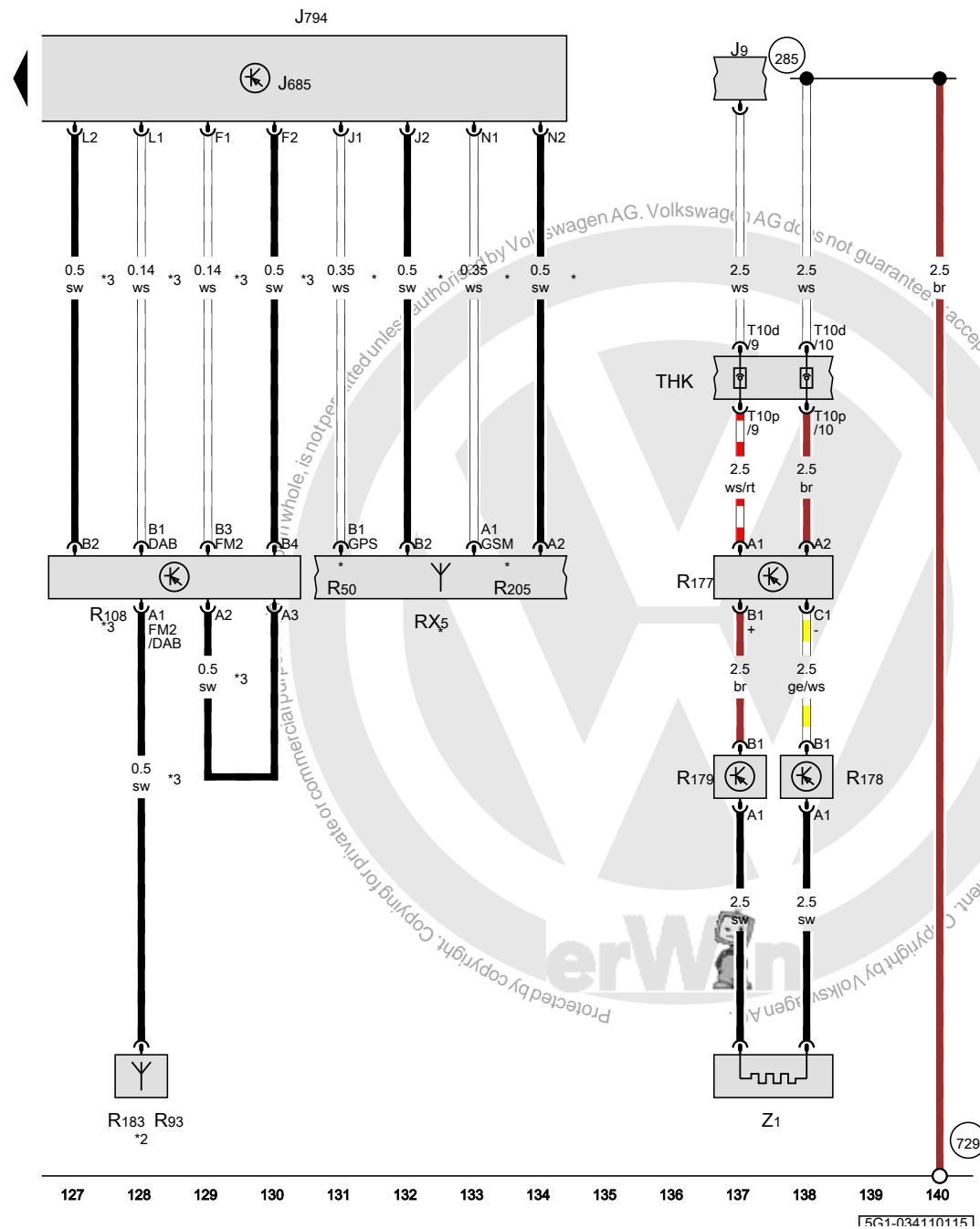
Control unit 1 for information electronics, TV tuner, Aerial amplifier 1 for TV

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- RX6 TV tuner
- R55 TV aerial 1
- R82 Aerial amplifier 1 for TV, Rear window, top right
- R248 Radio aerial
- T2n 2-pin connector, black
- T2p 2-pin connector
- T2u 2-pin connector, black
- T2v 2-pin connector, green
- T12al 12-pin connector, grey
- T12l 12-pin connector, black
- * According to equipment
- *2 Only models with TV tuner
- *3 Rear window aerial

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J685	Display unit for front information display and operating unit control unit
J794	Control unit 1 for information electronics
RX6	TV tuner
R56	TV aerial 2
R57	TV aerial 3
R83	Aerial amplifier 2 for TV, Rear window, bottom right
R84	Aerial amplifier 3 for TV, Rear window, bottom left
R93	Radio aerial 2
R108	Left aerial module, Rear window, top left
R109	Right aerial module, Rear window, top right
R248	Radio aerial
*	According to equipment
*2	Only models with no TV receiver
*3	Only models with no digital radio
*4	Rear window aerial



Heated rear window relay, Control unit 1 for information electronics, Roof aerial, GPS aerial, Left aerial module, Amplitude modulation (AM) frequency filter, Frequency modulation (FM) frequency filter in negative wire, Frequency modulation (FM) frequency filter in positive wire, GSM aerial, Heated rear window

- J9 Heated rear window relay
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- RX5 Roof aerial
- R50 GPS aerial
- R93 Radio aerial 2
- R108 Left aerial module, Rear window, top left
- R177 Amplitude modulation (AM) frequency filter
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- R183 Digital radio aerial
- R205 GSM aerial
- T10d 10-pin connector, black
- T10p 10-pin connector, black
- THK Coupling point on rear lid
- Z1 Heated rear window

285 Earth connection 7, in interior wiring harness

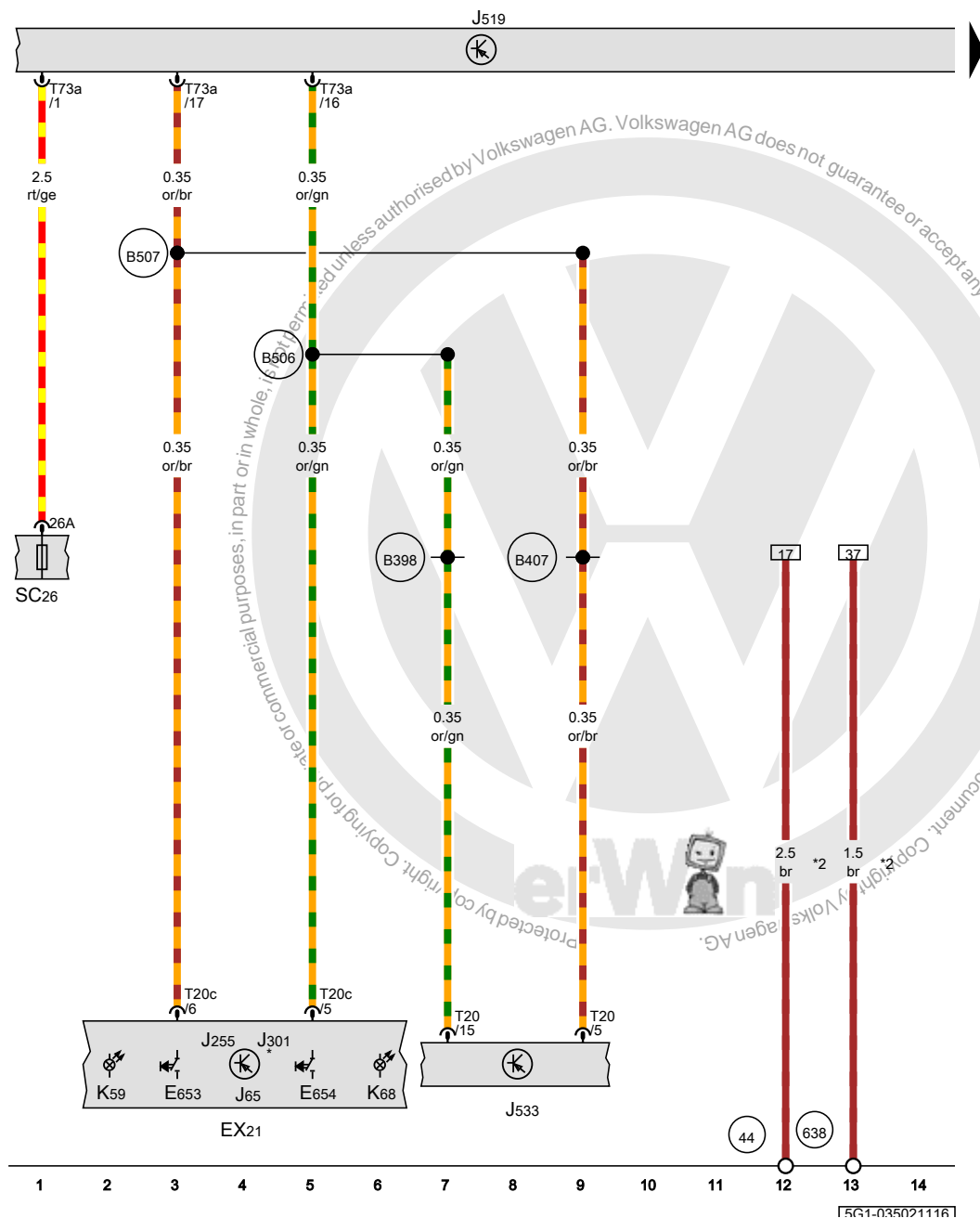
729 Earth point, on left rear wheel housing

- * According to equipment
- *2 Rear window aerial
- *3 Only models with digital radio

Seat heating , (4A3)

From August 2012





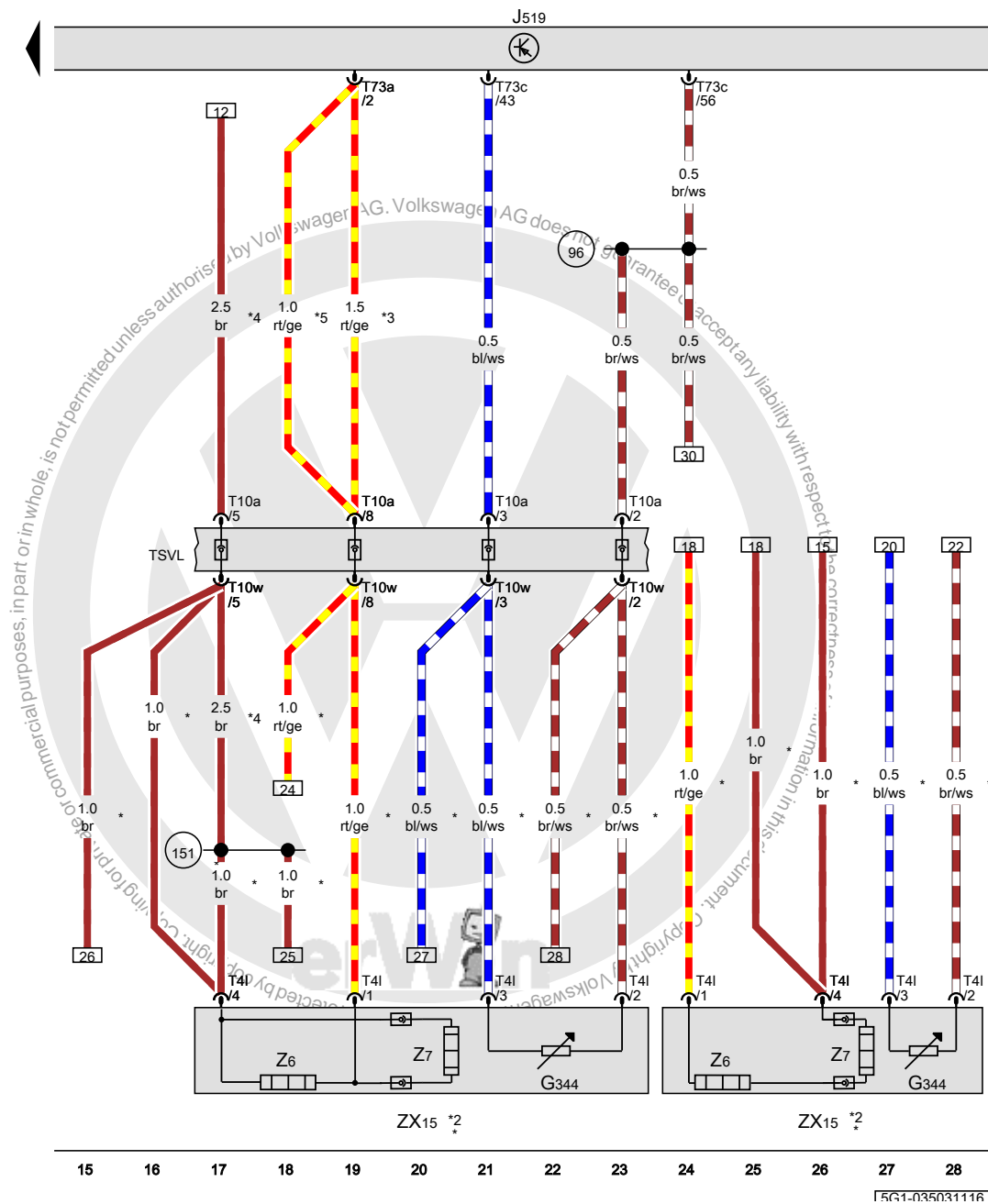
Heater and air conditioning controls, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface

- EX21 Heater and air conditioning controls
- E653 Button for left seat heating
- E654 Button for right seat heating
- J65 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K59 Heated driver seat warning lamp
- K68 Heated front passenger seat warning lamp
- SC26 Fuse 26 on fuse holder C
- T20 20-pin connector
- T20c 20-pin connector
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 638 Earth point, on right A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * According to equipment
- *2 Cross section depends on equipment

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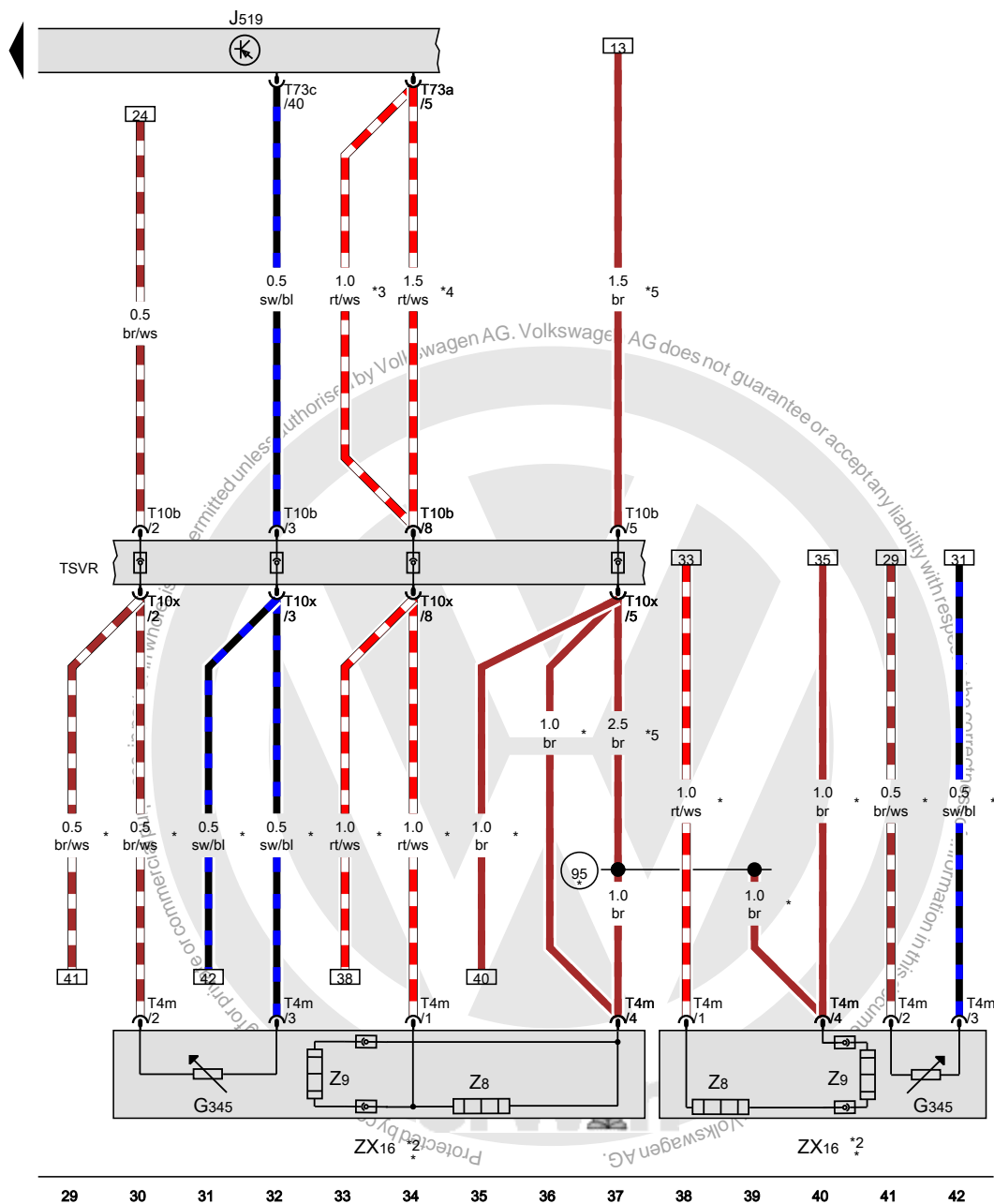
Front left seat temperature sender, Onboard supply control unit, Seat heating (driver side)



- G344 Front left seat temperature sender
- J519 Onboard supply control unit
- T4l 4-pin connector, black
- T10a 10-pin connector, black
- T10w 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TSVL Coupling point for front left seat
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- ZX15 Seat heating (driver side)
- 96 Earth connection 1, in seat heating wiring harness
- 151 Earth connection 1, in front wiring harness
- * According to equipment
- *2 Pre-wired component
- *3 Up to October 2014
- *4 Cross section depends on equipment
- *5 From November 2014

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Front right seat temperature sender, Onboard supply control unit, Seat heating (front passenger side)



- G345 Front right seat temperature sender
- J519 Onboard supply control unit
- T4m 4-pin connector, black
- T10b 10-pin connector, black
- T10x 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TSVR Coupling point for front right seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- ZX16 Seat heating (front passenger side)
- 95 Earth connection 1, in seat adjustment wiring harness
- * According to equipment
- *2 Pre-wired component
- *3 From November 2014
- *4 Up to October 2014
- *5 Cross section depends on equipment

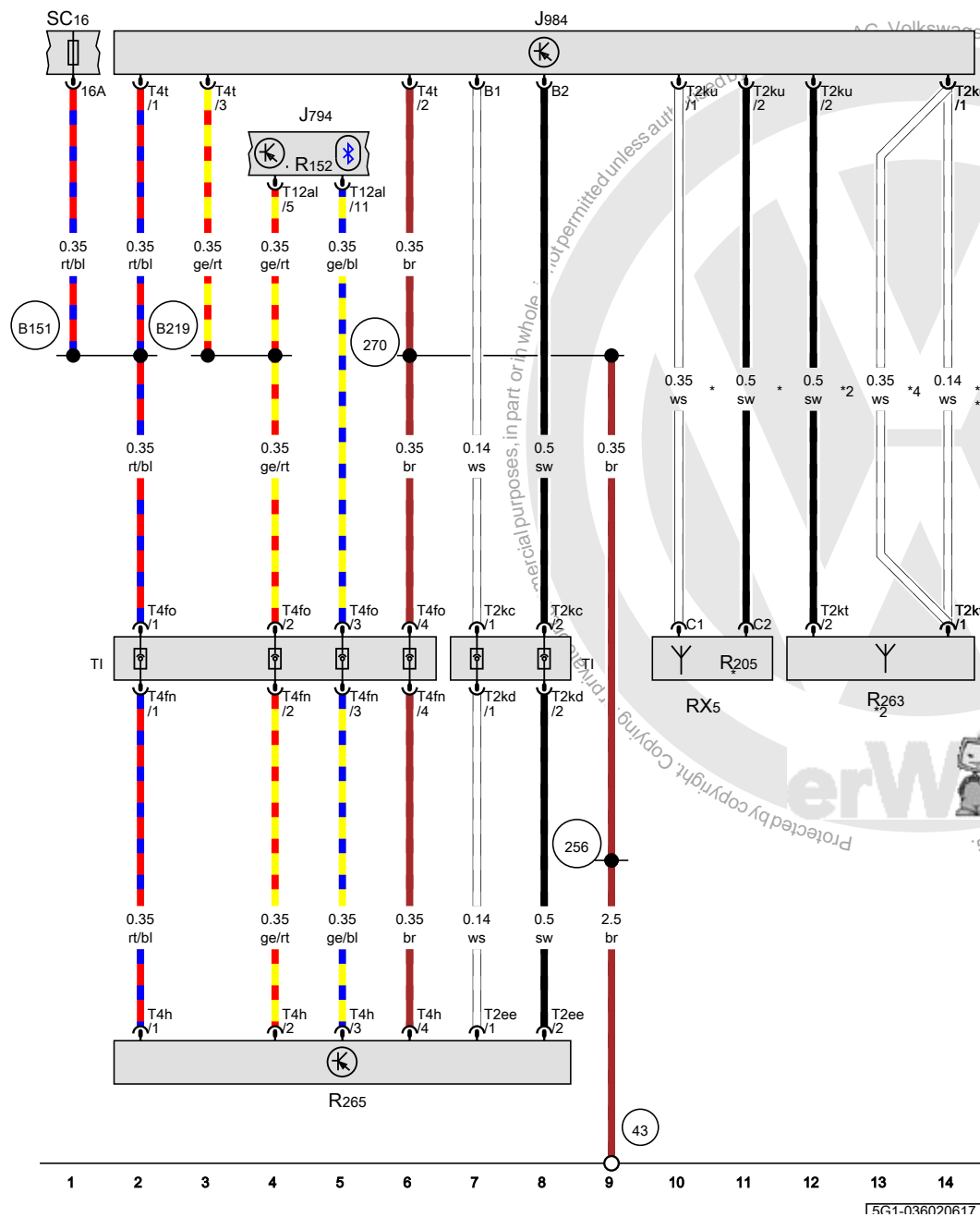
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15G1-035041116

Mobile telephone systems , (9ZE)

From August 2012





Control unit 1 for information electronics, Two-way signal amplifier for mobile telephone/data services, Roof aerial, Emergency call module aerial, Storage compartment with interface for mobile telephone

- J794 Control unit 1 for information electronics
- J984 Two-way signal amplifier for mobile telephone/data services
- RX5 Roof aerial
- R152 Aerial for Bluetooth
- R205 GSM aerial
- R263 Emergency call module aerial
- R265 Storage compartment with interface for mobile telephone, in centre console

- SC16 Fuse 16 on fuse holder C
- T2ee 2-pin connector, purple
- T2kc 2-pin connector, purple
- T2kd 2-pin connector, purple
- T2kt 2-pin connector, purple
- T2ku 2-pin connector, purple
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4h 4-pin connector, brown
- T4t 4-pin connector, black
- T12al 12-pin connector, grey
- TI Coupling point in interior, in centre console

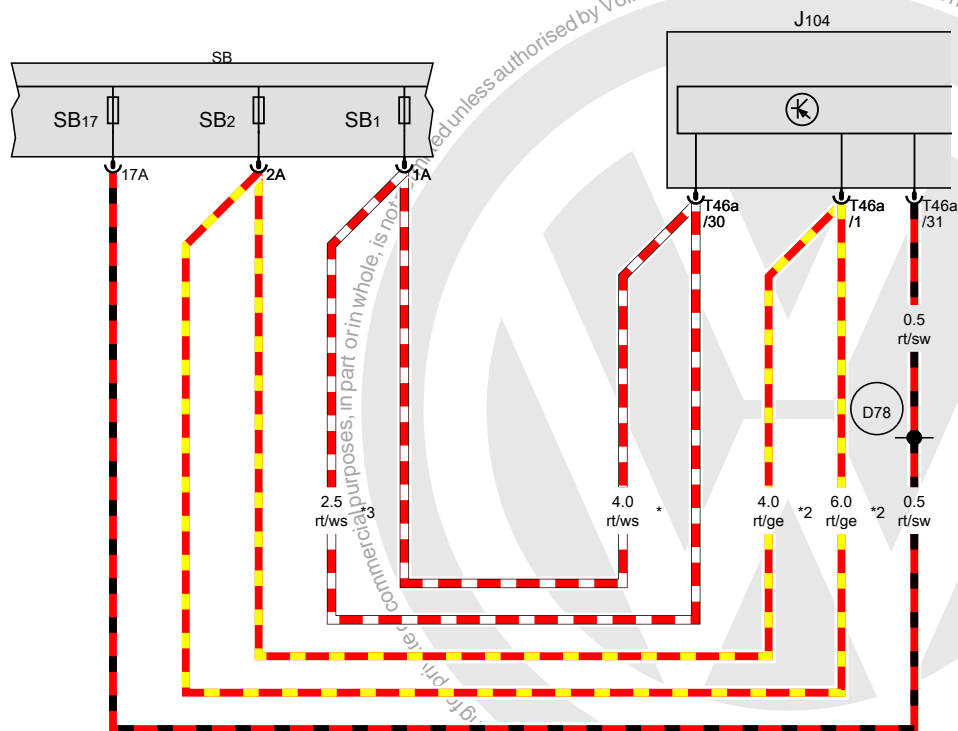
- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- 270 Earth connection, in telephone wiring harness
- B151 Positive connection 3 (30a), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

- * According to equipment
- *2 For models with emergency call module
- *3 Up to May 2017
- *4 From May 2017

Anti-lock brake system (ABS) , (L0L)

From September 2012

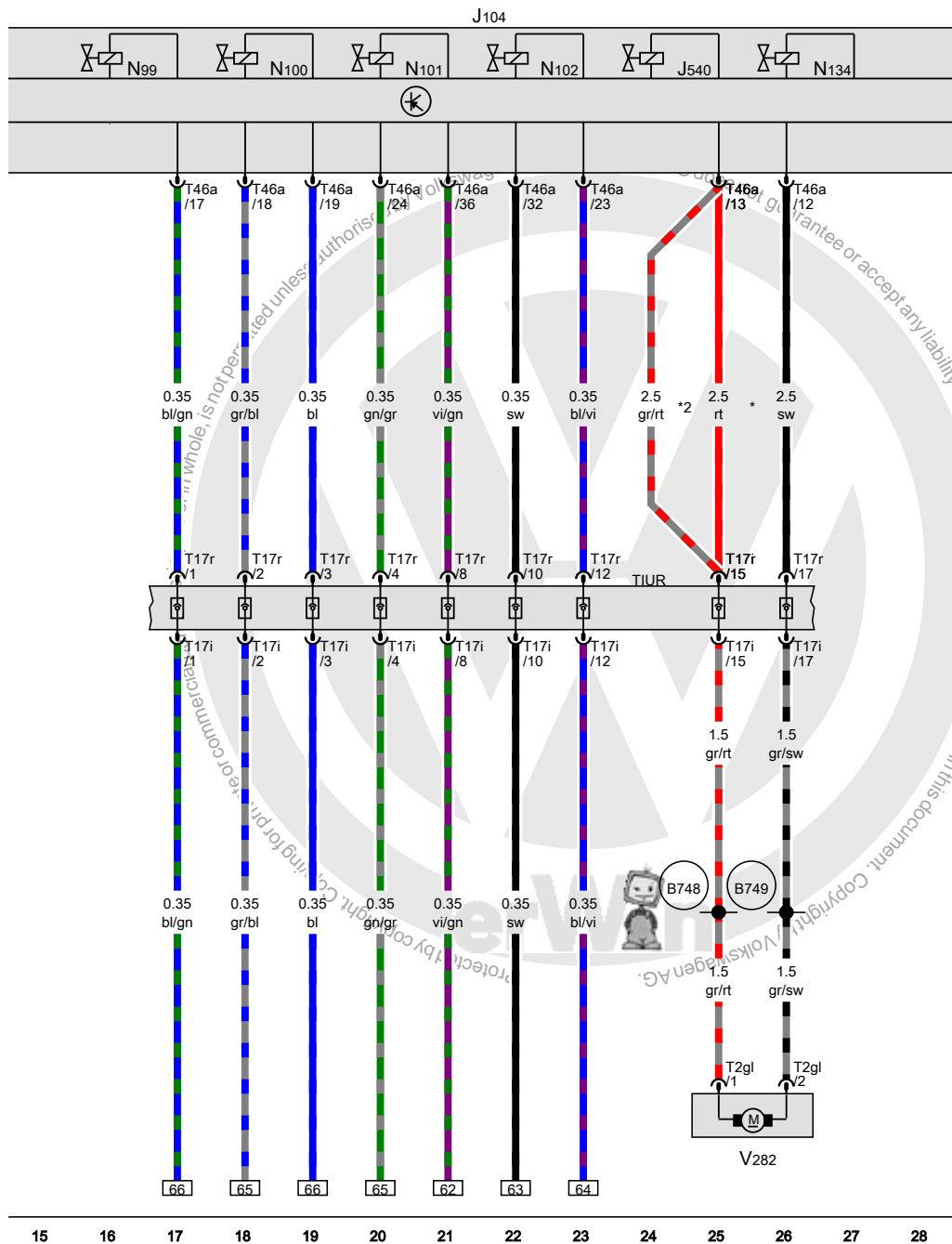




ABS control unit

- J104 ABS control unit
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- T46a 46-pin connector
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Up to May 2017
- *2 According to equipment
- *3 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



ABS control unit, Control unit for electromechanical parking brake, Front right ABS inlet valve, Front right ABS outlet valve, Left parking brake motor

- J104 ABS control unit
- J540 Control unit for electromechanical parking brake
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- N134 Rear left ABS inlet valve
- T2gl 2-pin connector
- T17i 17-pin connector, black
- T17r 17-pin connector, black
- T46a 46-pin connector
- TIUR Coupling point in interior, below right
- V282 Left parking brake motor

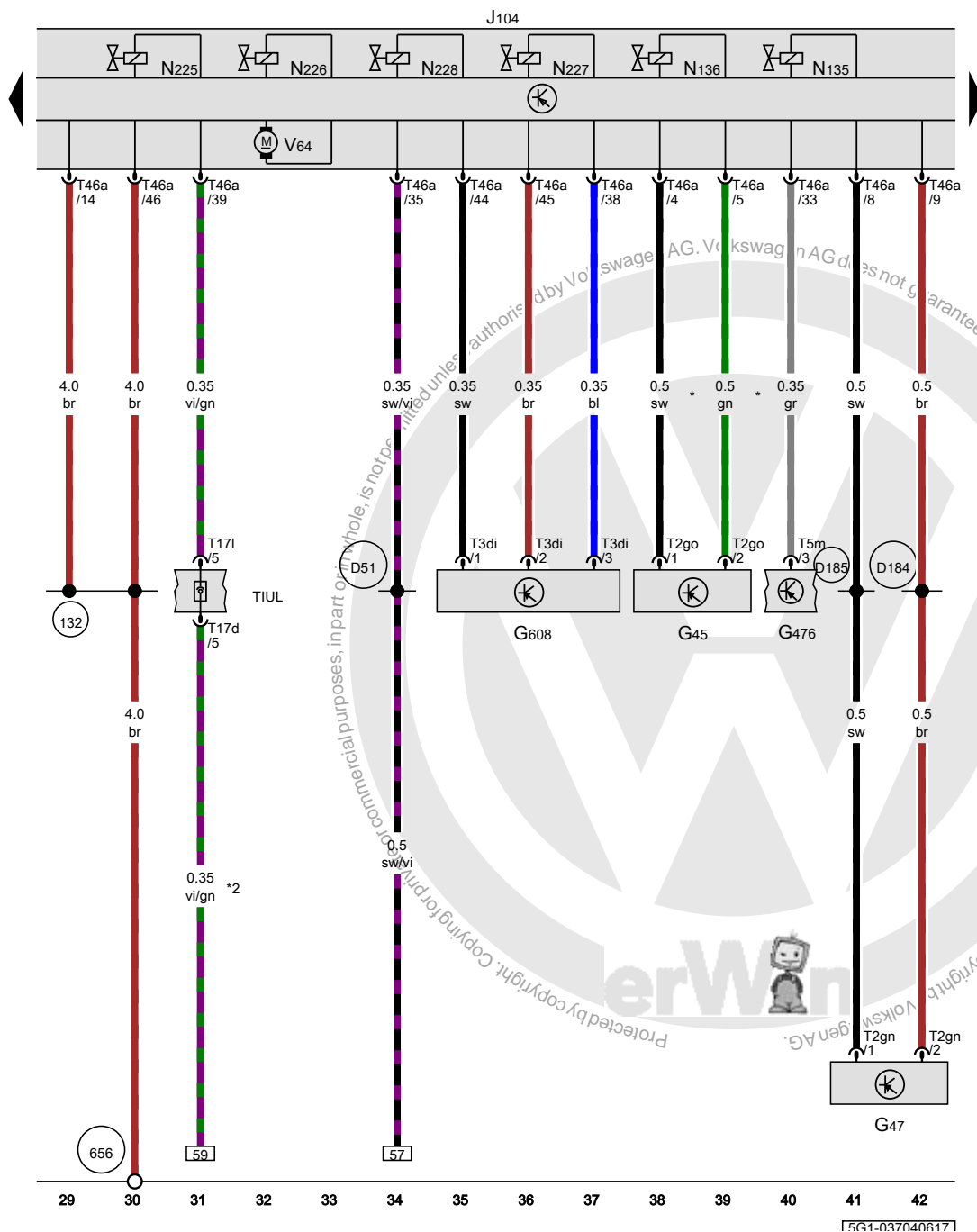
B748 Connection 1 (control motor), in main wiring harness

B749 Connection 2 (control motor), in main wiring harness

* Up to November 2013

*2 From November 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



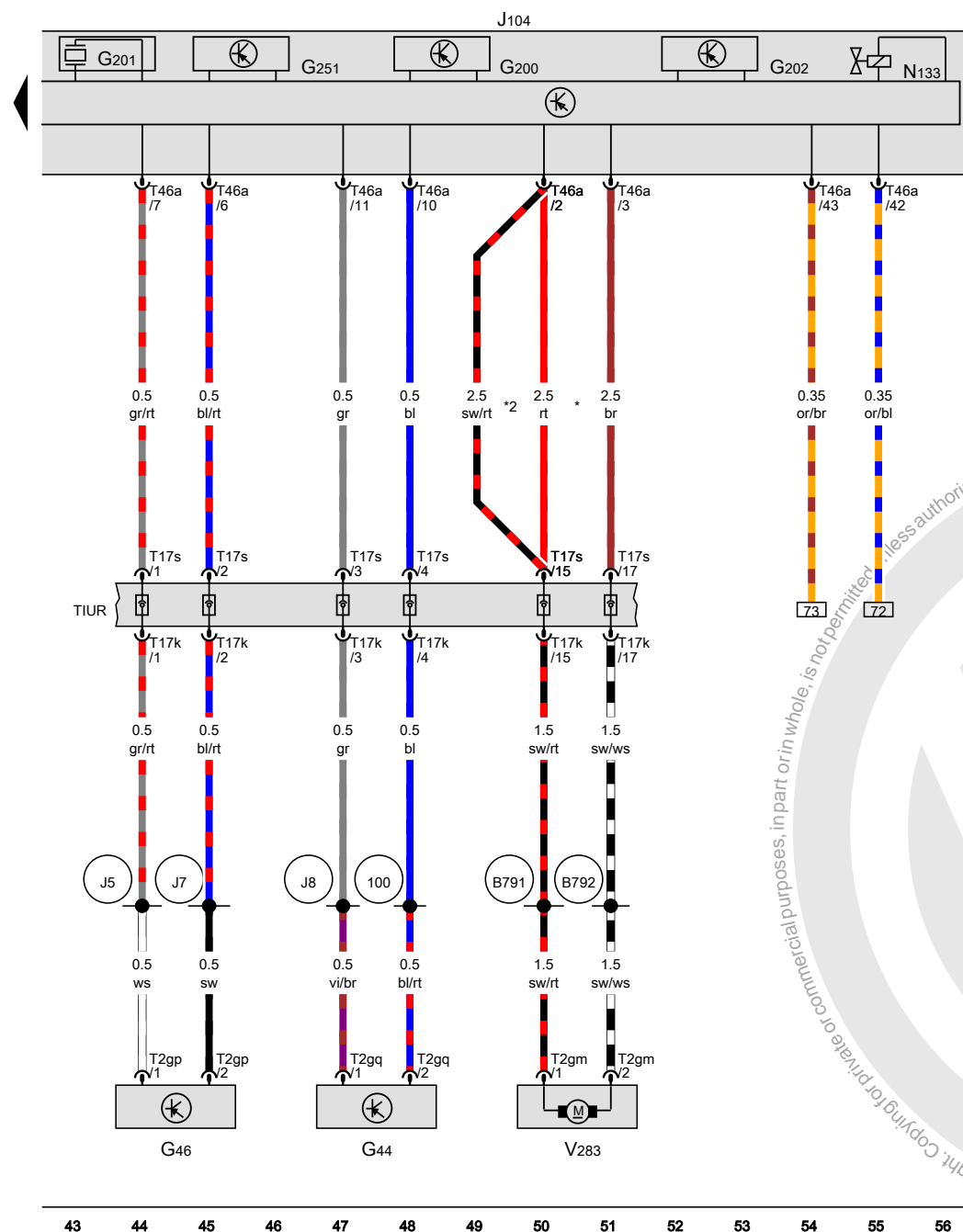
Front right speed sensor, Front left speed sensor, Clutch position sender, Vacuum sender, ABS control unit, Rear left ABS outlet valve, Vehicle stabilization program switch valve 1, ABS hydraulic pump

- G45 Front right speed sensor
- G47 Front left speed sensor
- G476 Clutch position sender
- G608 Vacuum sender
- J104 ABS control unit
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- N225 Vehicle stabilization program switch valve 1
- N226 Vehicle stabilization program switch valve 2
- N227 Vehicle stabilization program high-pressure valve 1
- N228 Vehicle stabilization program high-pressure valve 2
- T2gn 2-pin connector
- T2go 2-pin connector
- T3di 3-pin connector, black
- T5m 5-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T46a 46-pin connector
- TIUL Coupling point in interior, below left
- V64 ABS hydraulic pump

- 132 Earth connection 3, in engine compartment wiring harness
- 656 Earth point, on right headlight
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D184 Connection (front left speed sensor +), in engine compartment wiring harness
- D185 Connection (front left speed sensor -), in engine compartment wiring harness
- * Wiring colour depends on equipment
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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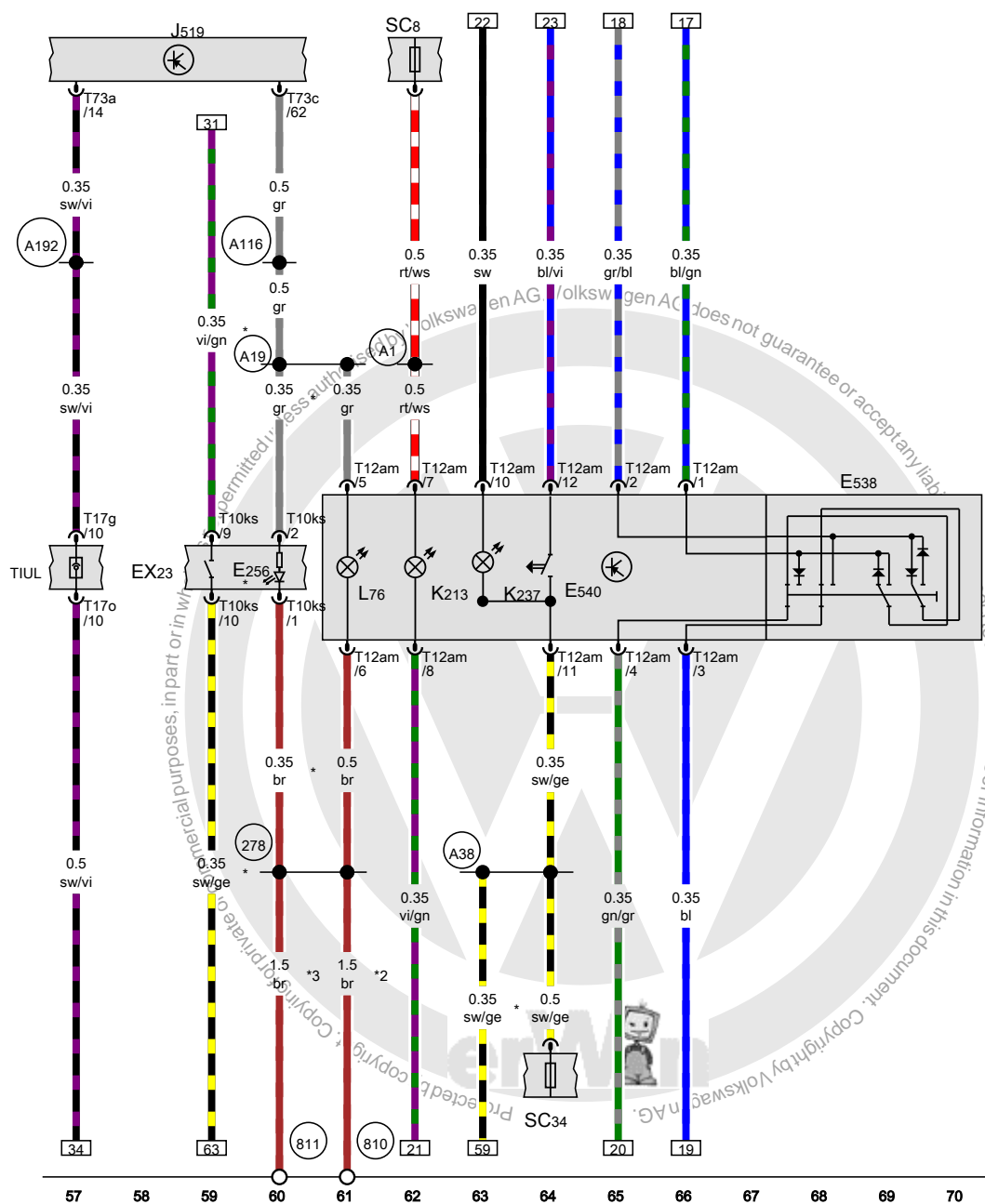


Rear right speed sensor, Rear left speed sensor, Lateral acceleration sender, Brake pressure sender 1, Yaw rate sender, Longitudinal acceleration sender, ABS control unit, Right parking brake motor

- G44 Rear right speed sensor
- G46 Rear left speed sensor
- G200 Lateral acceleration sender
- G201 Brake pressure sender 1
- G202 Yaw rate sender
- G251 Longitudinal acceleration sender
- J104 ABS control unit
- N133 Rear right ABS inlet valve
- T2gm 2-pin connector
- T2gp 2-pin connector
- T2gq 2-pin connector
- T17k 17-pin connector, brown
- T17s 17-pin connector, brown
- T46a 46-pin connector
- TIUR Coupling point in interior, below right
- V283 Right parking brake motor

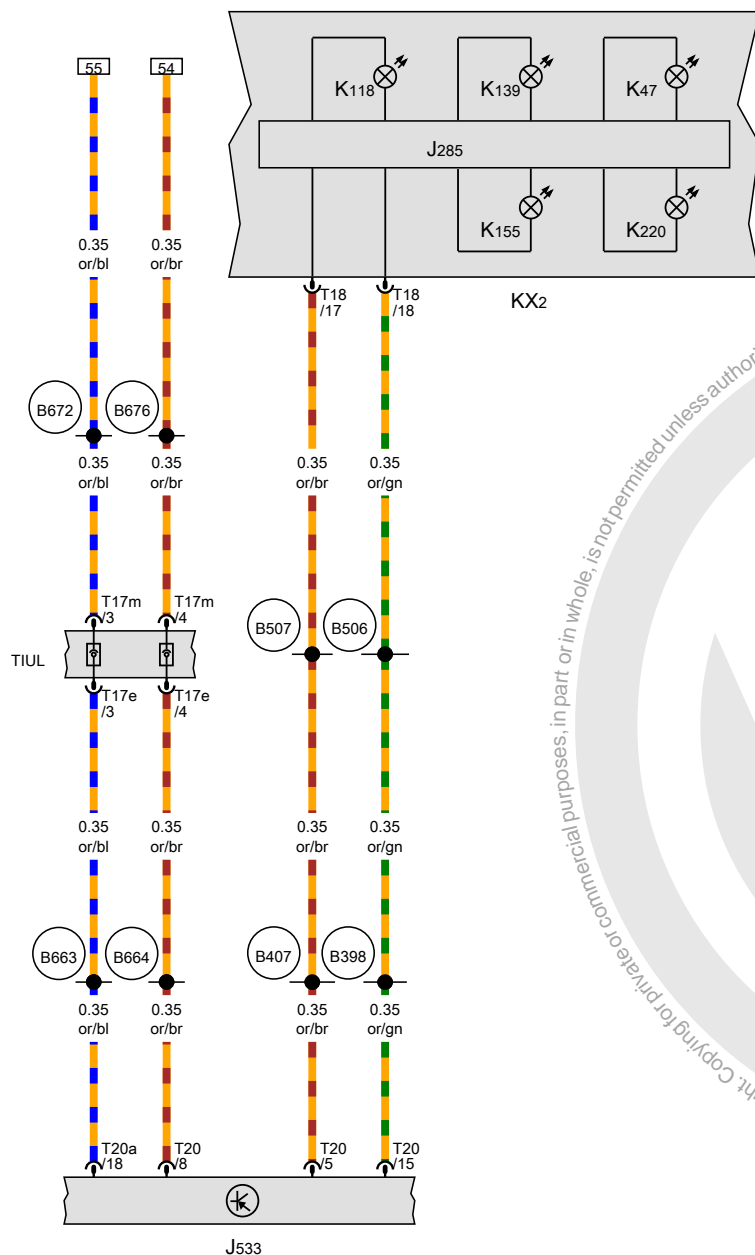
- 100 Earth connection 1, in ABS wiring harness
- B791 Connection 3 (control motor), in main wiring harness
- B792 Connection 4 (control motor), in main wiring harness
- J5 Connection 2, in ABS wiring harness
- J7 Connection 3, in ABS wiring harness
- J8 Connection 4, in ABS wiring harness
- * Up to November 2013
- *2 From November 2013

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Button for TCS and electronic stabilisation program, Electromechanical parking brake button, Onboard supply control unit

- EX23 Switch module 1 in centre console
- E256 Button for TCS and electronic stabilisation program
- E538 Electromechanical parking brake button
- E540 Auto-hold button
- J519 Onboard supply control unit
- K213 Electromechanical parking brake warning lamp
- K237 Auto-hold warning lamp
- L76 Button illumination bulb
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T10ks 10-pin connector
- T12am 12-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- * According to equipment
- *2 For left-hand drive models
- *3 For right-hand drive models



Control unit in dash panel insert, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Brake system warning lamp, Handbrake warning lamp, Warning lamp for electronic stabilisation program and TCS, Tyre Pressure Loss Indicator warning lamp

- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface, in left footwell, near centre console
- KX2 Dash panel insert
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K139 Handbrake warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T18 18-pin connector
- T20 20-pin connector
- T20a 20-pin connector
- TIUL Coupling point in interior, below left
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- B672 Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- B676 Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

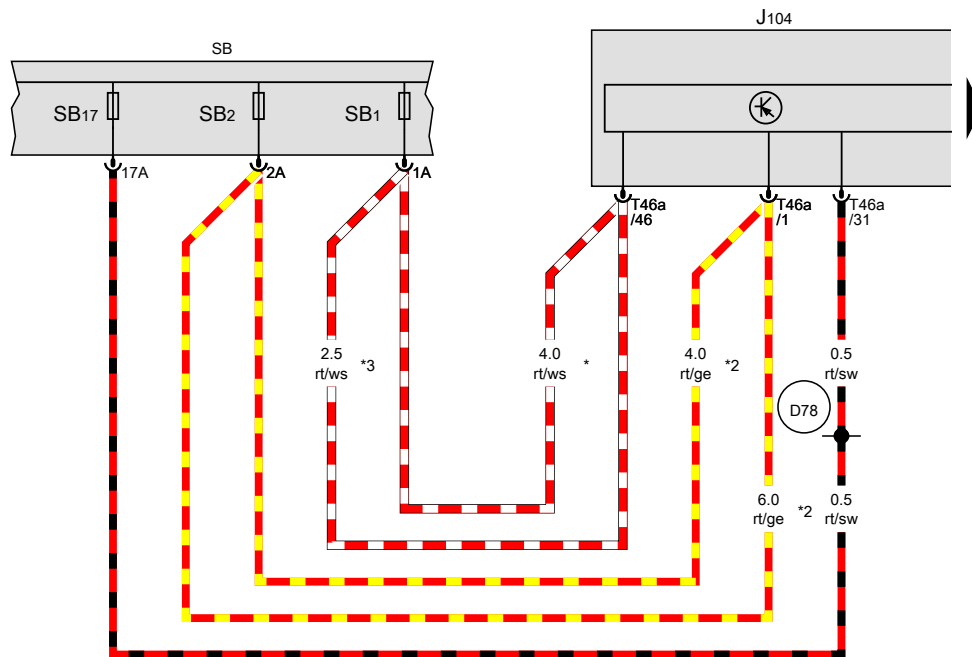
Anti-lock brake system (ABS) , (L0R)

From September 2012



ABS control unit, Fuse holder B

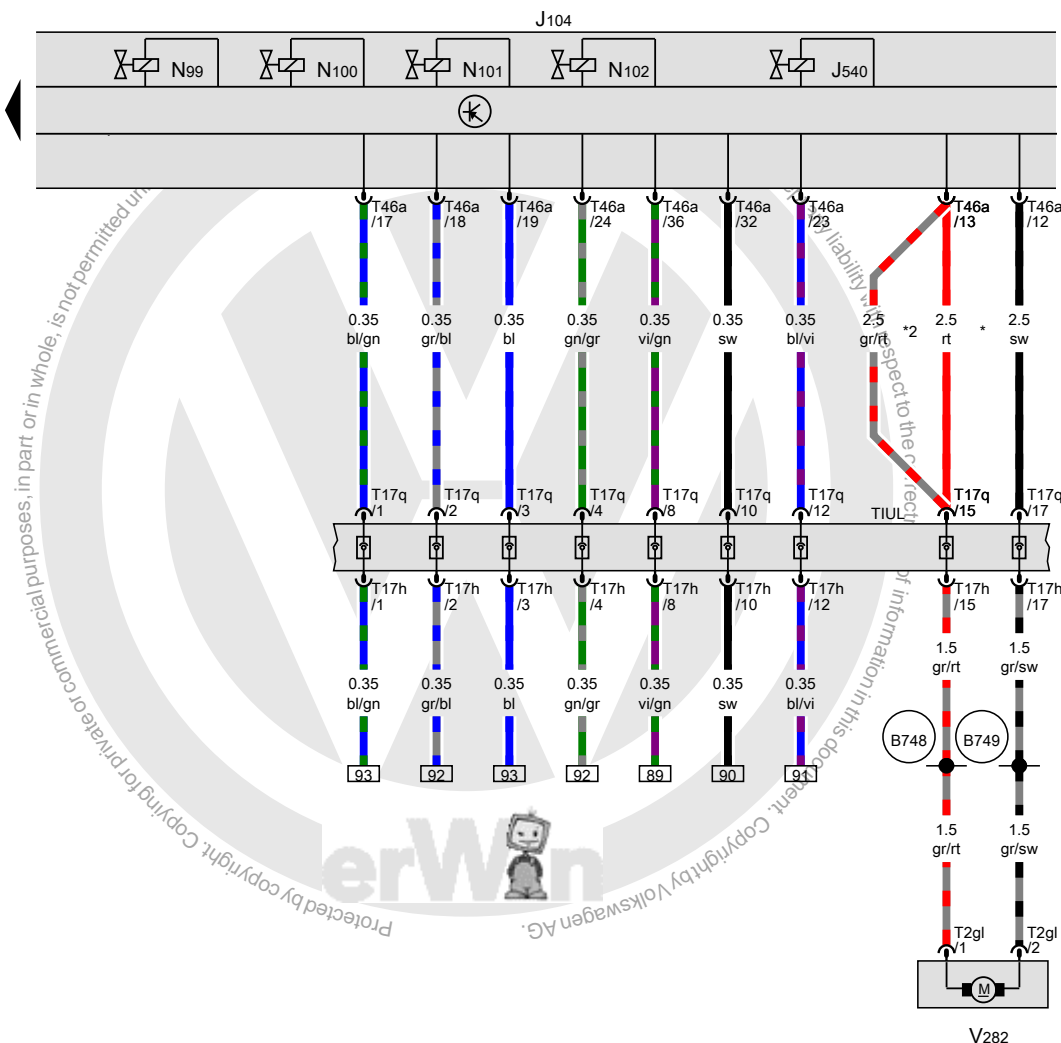
- J104 ABS control unit
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- T46a 46-pin connector
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Up to May 2017
- *2 According to equipment
- *3 From May 2017



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

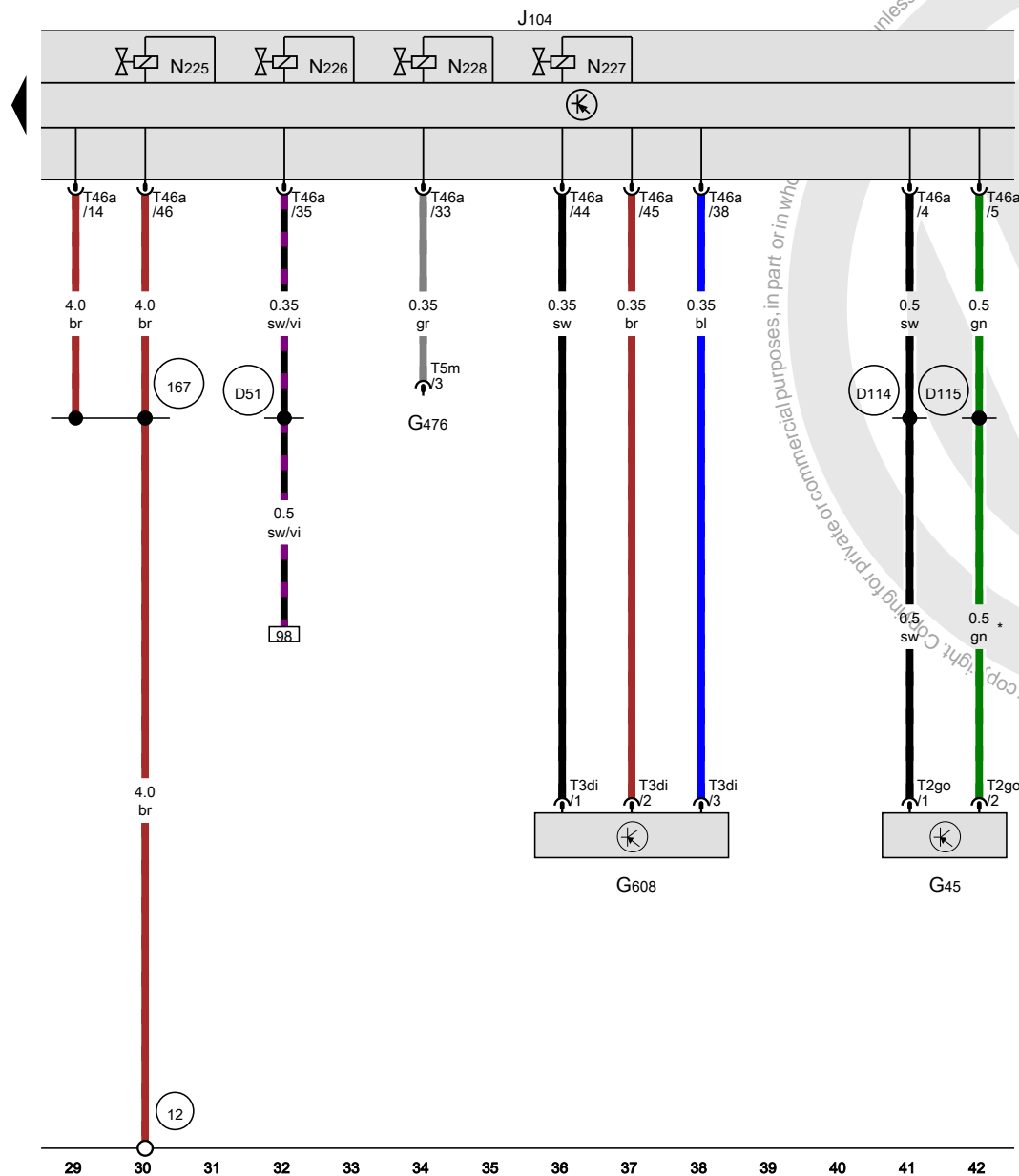
ABS control unit, Control unit for electromechanical parking brake, Front right ABS inlet valve, Front right ABS outlet valve, Left parking brake motor

- J104 ABS control unit
 - J540 Control unit for electromechanical parking brake
 - N99 Front right ABS inlet valve
 - N100 Front right ABS outlet valve
 - N101 Front left ABS inlet valve
 - N102 Front left ABS outlet valve
 - T2gl 2-pin connector
 - T17h 17-pin connector, green
 - T17q 17-pin connector, green
 - T46a 46-pin connector
 - TIUL Coupling point in interior, below left
 - V282 Left parking brake motor
- (B748) Connection 1 (control motor), in main wiring harness
 - (B749) Connection 2 (control motor), in main wiring harness
 - * Up to November 2013
 - *2 From November 2013



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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

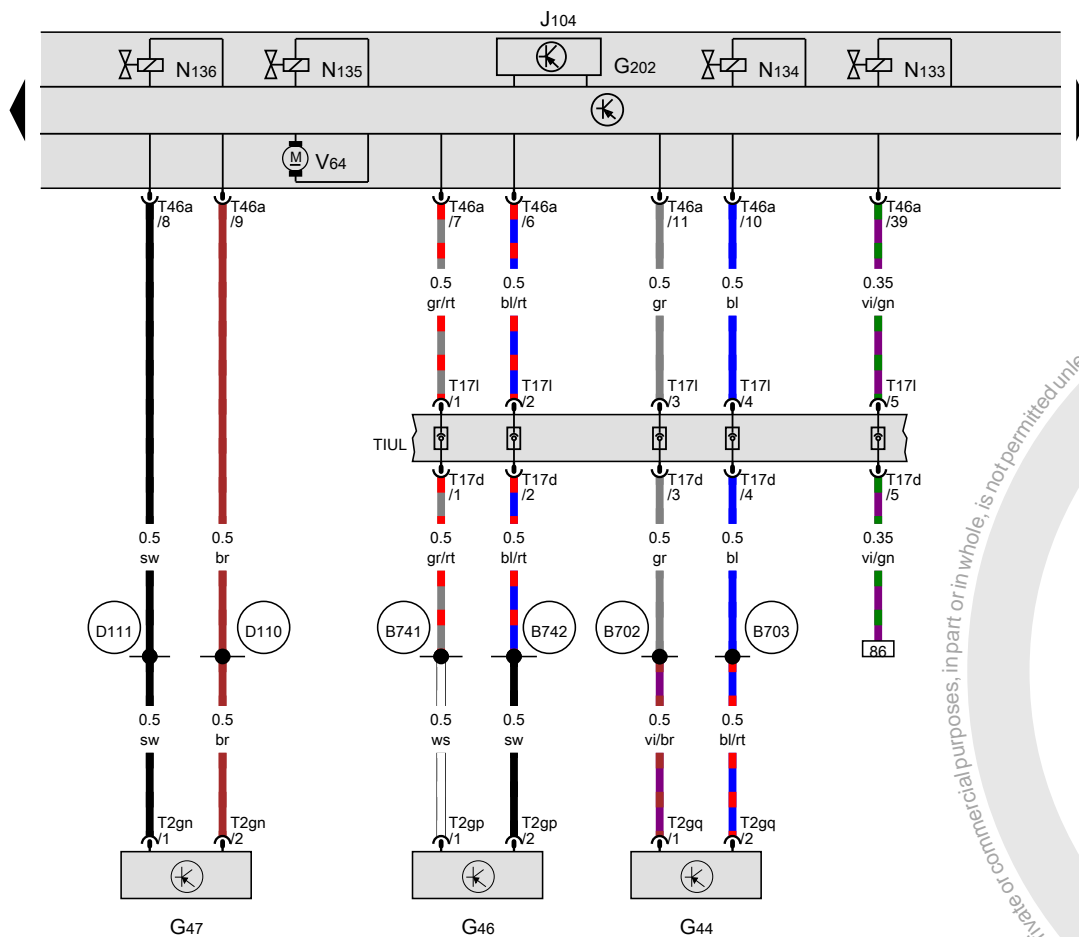
Front right speed sensor, Clutch position sender, Vacuum sender, ABS control unit, Vehicle stabilization program switch valve 1



- G45 Front right speed sensor
- G476 Clutch position sender
- G608 Vacuum sender
- J104 ABS control unit
- N225 Vehicle stabilization program switch valve 1
- N226 Vehicle stabilization program switch valve 2
- N227 Vehicle stabilization program high-pressure valve 1
- N228 Vehicle stabilization program high-pressure valve 2
- T2go 2-pin connector
- T3di 3-pin connector, black
- T5m 5-pin connector
- T46a 46-pin connector
- 12 Earth point, on left in engine compartment
- 167 Earth connection 4, in engine compartment wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D114 Connection 12 in engine compartment wiring harness
- D115 Connection 13 in engine compartment wiring harness
- * Wiring colour depends on equipment

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear right speed sensor, Rear left speed sensor, Front left speed sensor, Yaw rate sender, ABS control unit, Rear left ABS outlet valve, ABS hydraulic pump



- G44 Rear right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- G202 Yaw rate sender
- J104 ABS control unit
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- T2gn 2-pin connector
- T2gp 2-pin connector
- T2gq 2-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T46a 46-pin connector
- TIUL Coupling point in interior, below left
- V64 ABS hydraulic pump

- (B702) Connection (rear left speed sensor +) in interior wiring harness
- (B703) Connection (rear left speed sensor -) in interior wiring harness
- (B741) Connection (rear left speed sensor +), in main wiring harness
- (B742) Connection (rear left speed sensor -), in main wiring harness
- (D110) Connection 8 in engine compartment wiring harness
- (D111) Connection 9 in engine compartment wiring harness

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Lateral acceleration sender, Brake pressure sender 1, Longitudinal acceleration sender, ABS control unit, Right parking brake motor

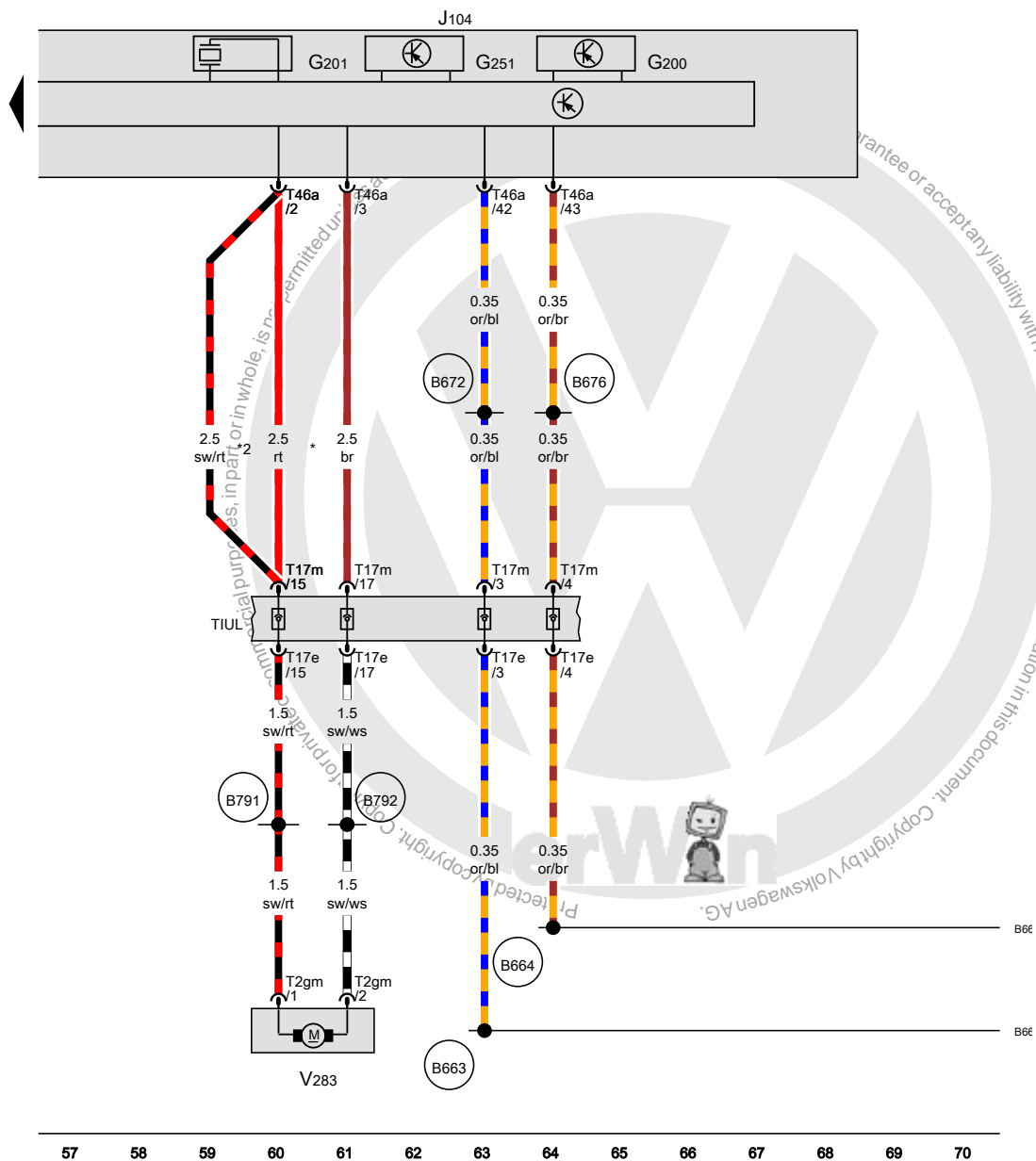
- G200 Lateral acceleration sender
- G201 Brake pressure sender 1
- G251 Longitudinal acceleration sender
- J104 ABS control unit
- T2gm 2-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T46a 46-pin connector
- TIUL Coupling point in interior, below left
- V283 Right parking brake motor

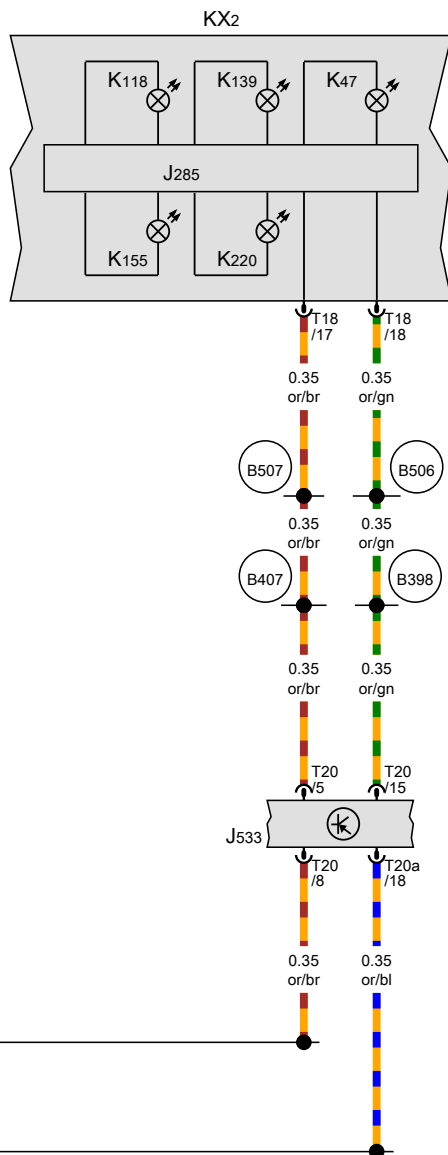
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- B672 Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- B676 Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness
- B791 Connection 3 (control motor), in main wiring harness
- B792 Connection 4 (control motor), in main wiring harness

* Up to November 2013

*2 From November 2013

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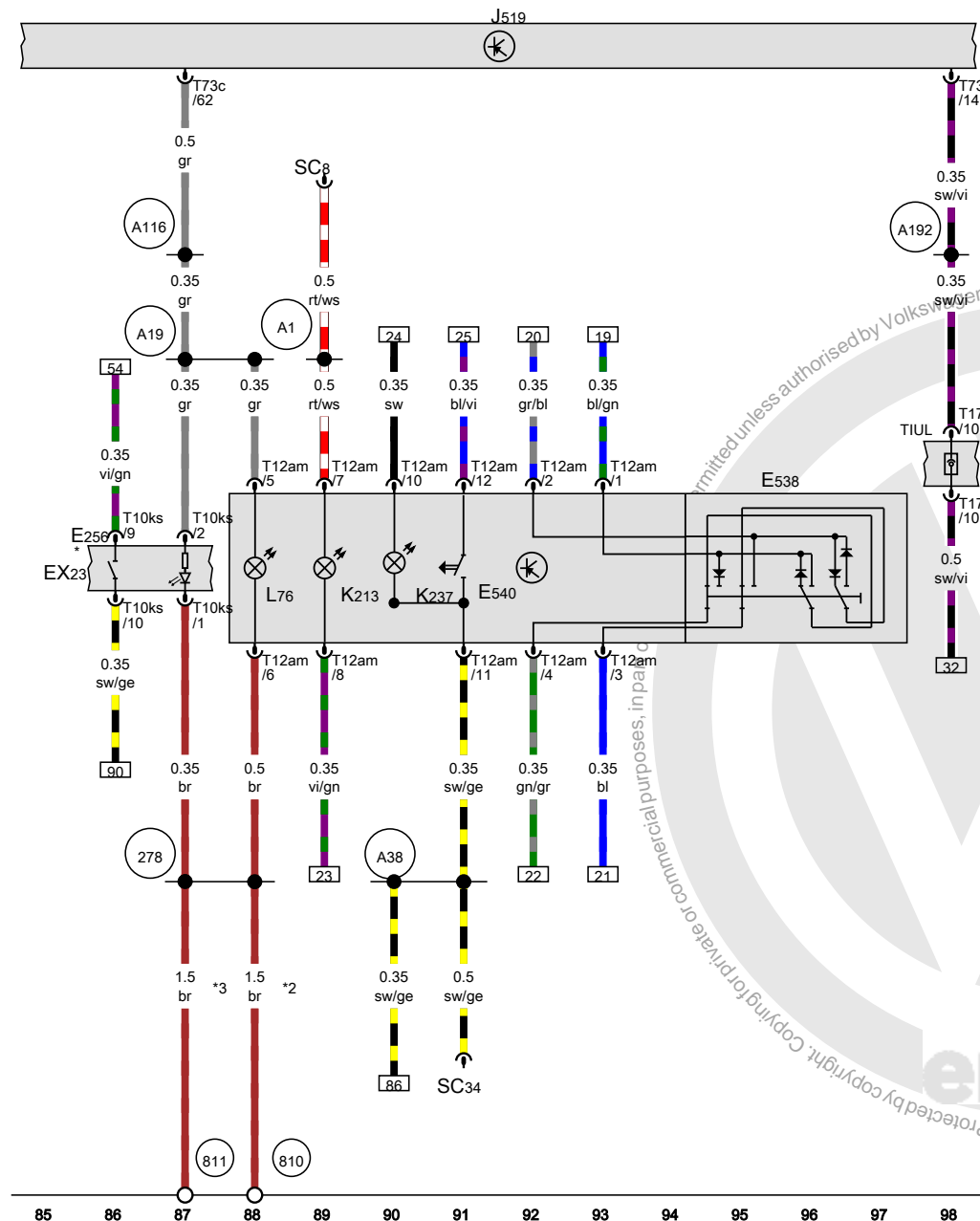
Control unit in dash panel insert, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Brake system warning lamp, Handbrake warning lamp, Warning lamp for electronic stabilisation program and TCS, Tyre Pressure Loss Indicator warning lamp

- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface, in left footwell, near centre console
- KX2 Dash panel insert
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K139 Handbrake warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- T18 18-pin connector
- T20 20-pin connector
- T20a 20-pin connector

- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness

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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Switch module 1 in centre console, Button for TCS and electronic stabilisation program, Electromechanical parking brake button, Onboard supply control unit



- EX23 Switch module 1 in centre console
- E256 Button for TCS and electronic stabilisation program
- E538 Electromechanical parking brake button
- E540 Auto-hold button
- J519 Onboard supply control unit
- K213 Electromechanical parking brake warning lamp
- K237 Auto-hold warning lamp
- L76 Button illumination bulb
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T10ks 10-pin connector
- T12am 12-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness

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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

* According to equipment
 *2 For left-hand drive models
 *3 For right-hand drive models

15G1-038080617

All-wheel drive (4Motion) , (1X1)

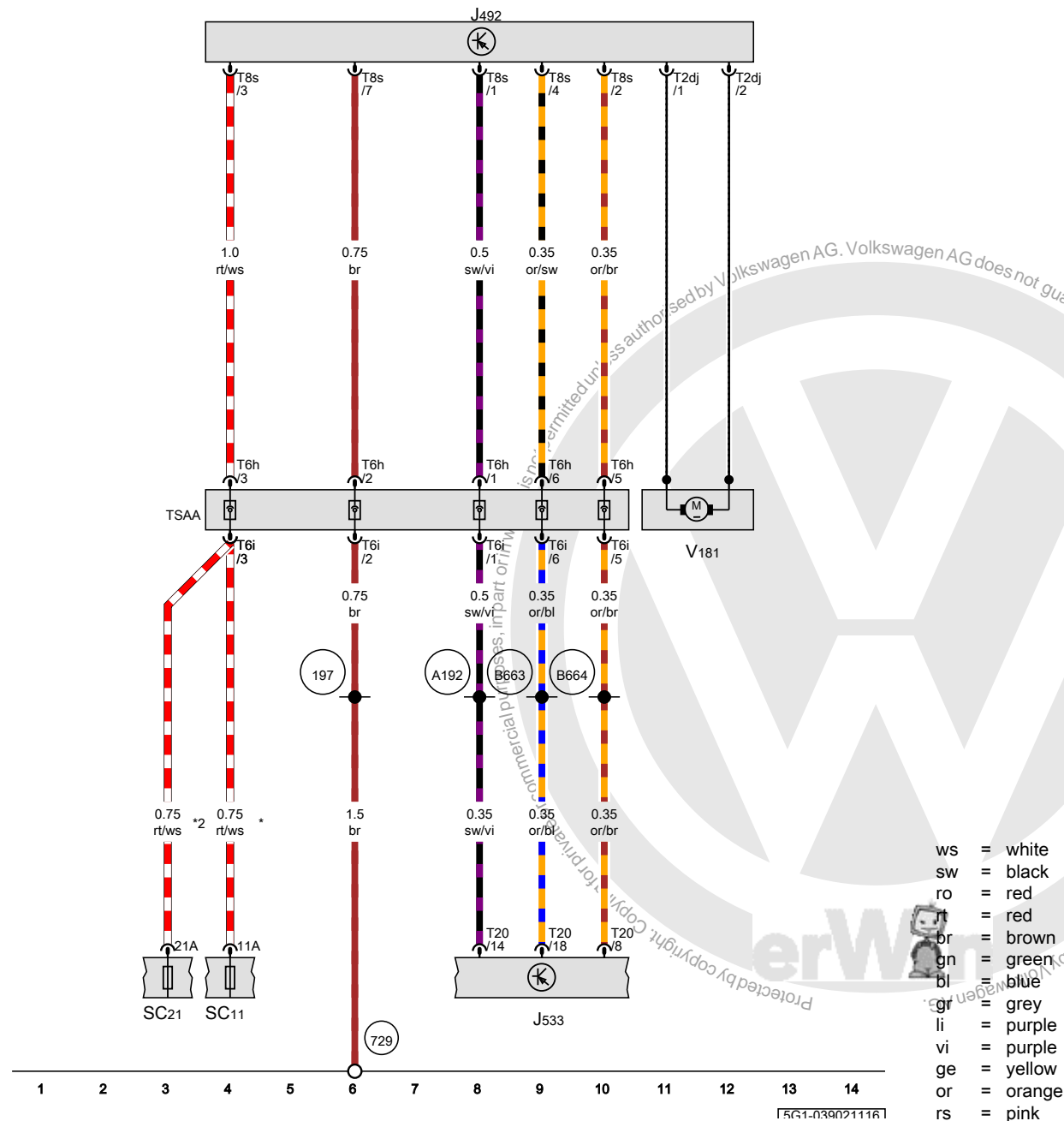
From November 2012



All-wheel drive control unit, Data bus diagnostic interface,
All-wheel drive coupling pump

- J492 All-wheel drive control unit
- J533 Data bus diagnostic interface
- SC11 Fuse 11 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- T2dj 2-pin connector
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8s 8-pin connector
- T20 20-pin connector
- TSAA Coupling point for all-wheel drive
- V181 All-wheel drive coupling pump

- 197 Earth connection 4, in rear wiring harness
- 729 Earth point, on left rear wheel housing
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- * Up to November 2013
- *2 From November 2013



1.4l petrol engine , CPVA,CPVB

From November 2012



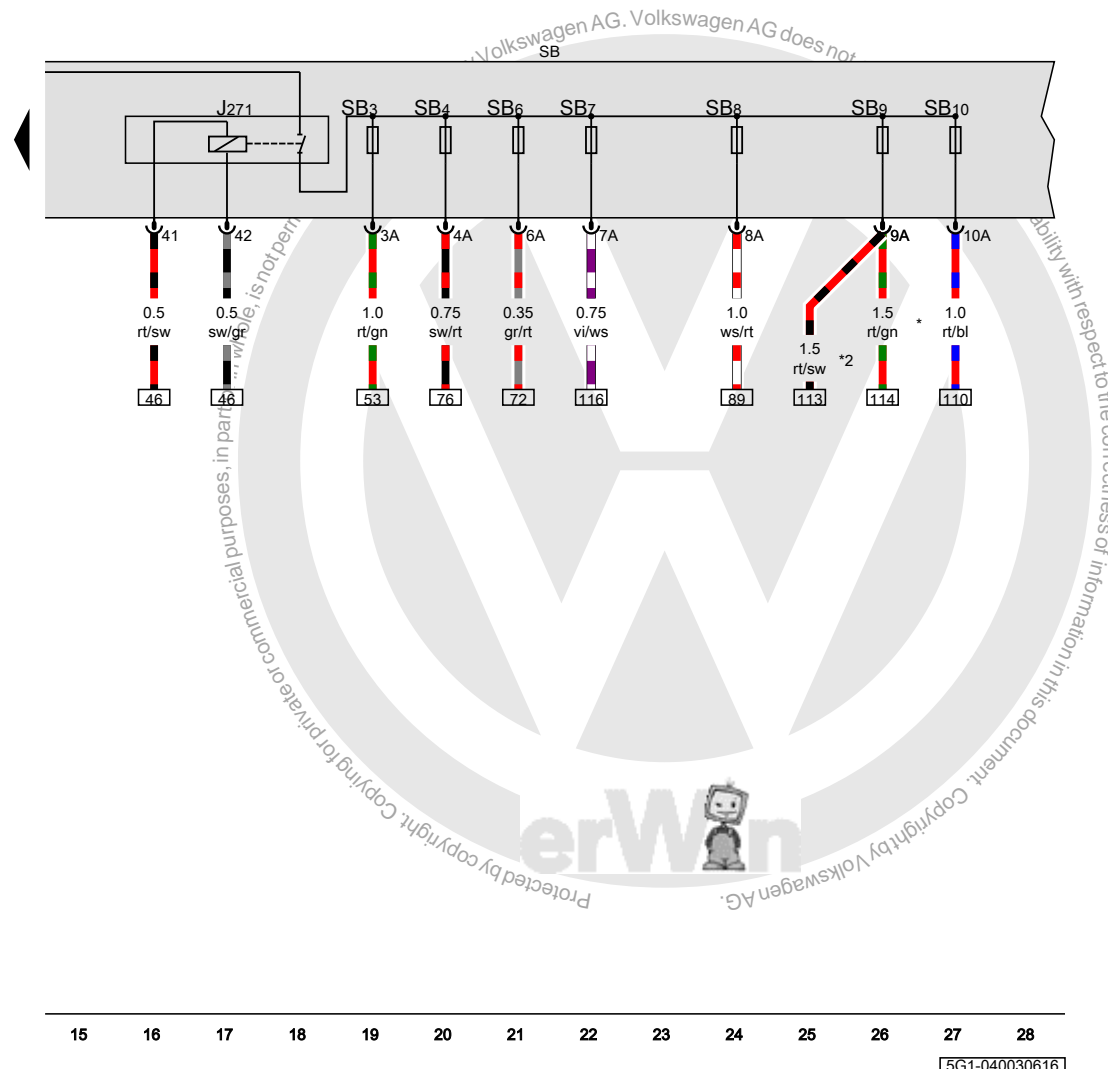
A	Battery
B	Starter
CX1	Alternator with voltage regulator
J367	Battery monitor control unit
J906	Starter relay 1
J907	Starter relay 2
SB	Fuse holder B
SB17	Fuse 17 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
SB23	Fuse 23 on fuse holder B
T2bn	2-pin connector
T4dd	4-pin connector, black
T4de	4-pin connector, black
TML	Coupling point in engine compartment, left

- * Up to May 2014
- *2 Cross-section 35.0 possible
- *3 Cross section depends on equipment
- *4 From May 2014

ws = white
sw = black
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rt = red
br = brown
gn = green
bl = blue
gr = grey
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or = orange
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Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Up to October 2014
- *2 From November 2014



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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

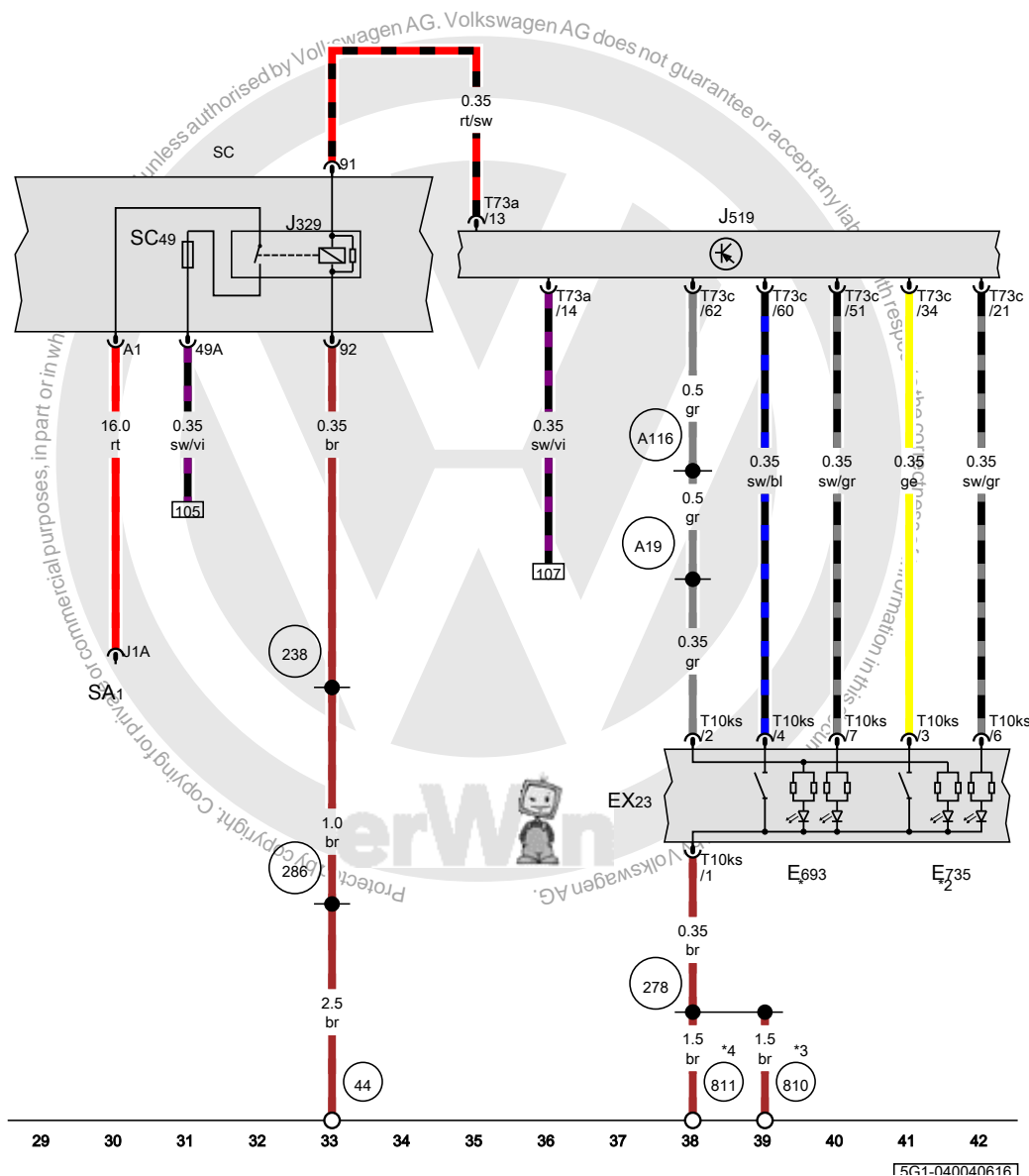
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

ws = white
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Engine control unit

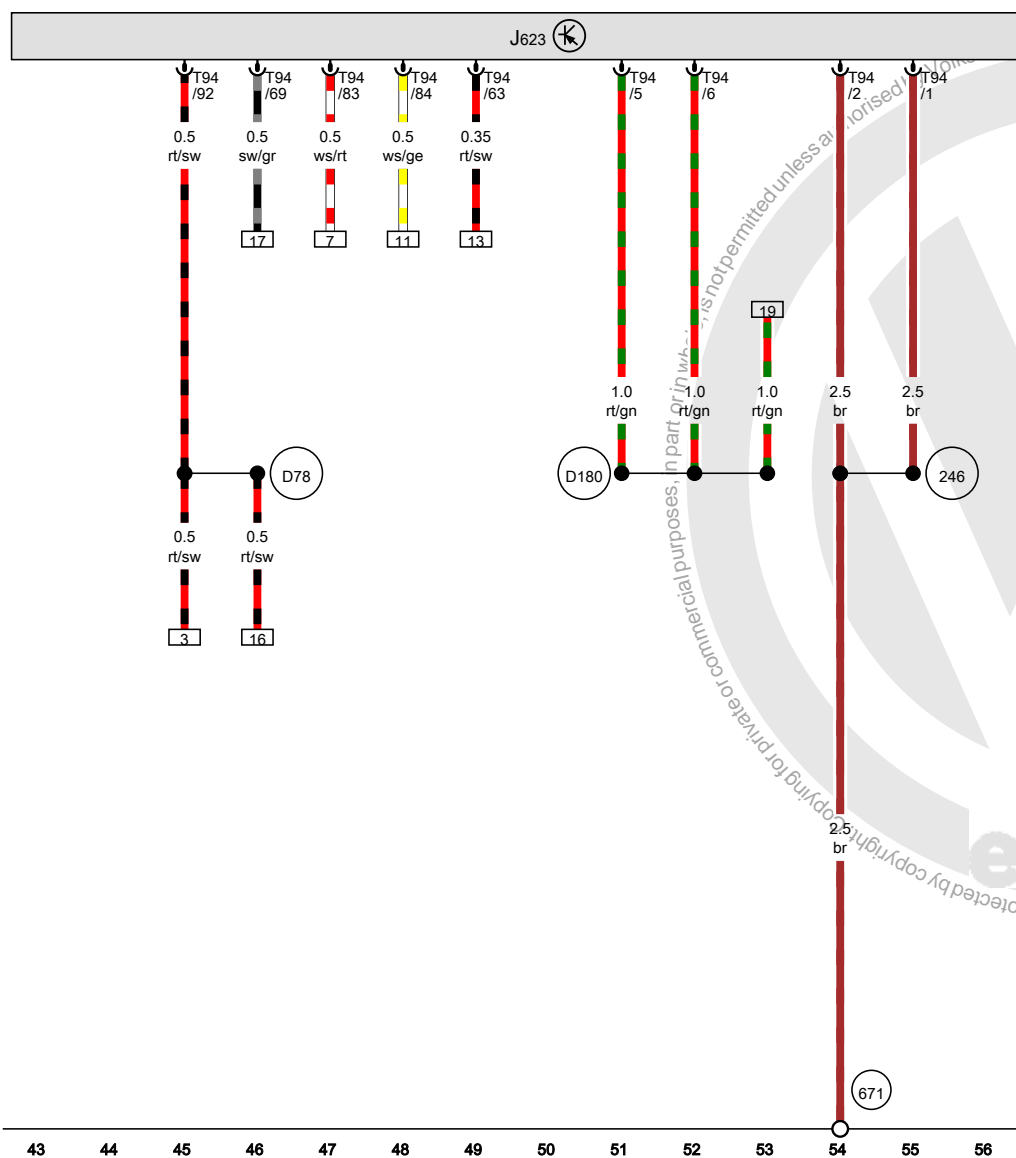
J623 Engine control unit
T94 94-pin connector

(246) Earth connection (control unit), in engine wiring harness

(671) Earth point 1, on front of left longitudinal member

(D78) Positive connection 1 (30a), in engine compartment wiring harness

(D180) Connection (87a), in engine compartment wiring harness



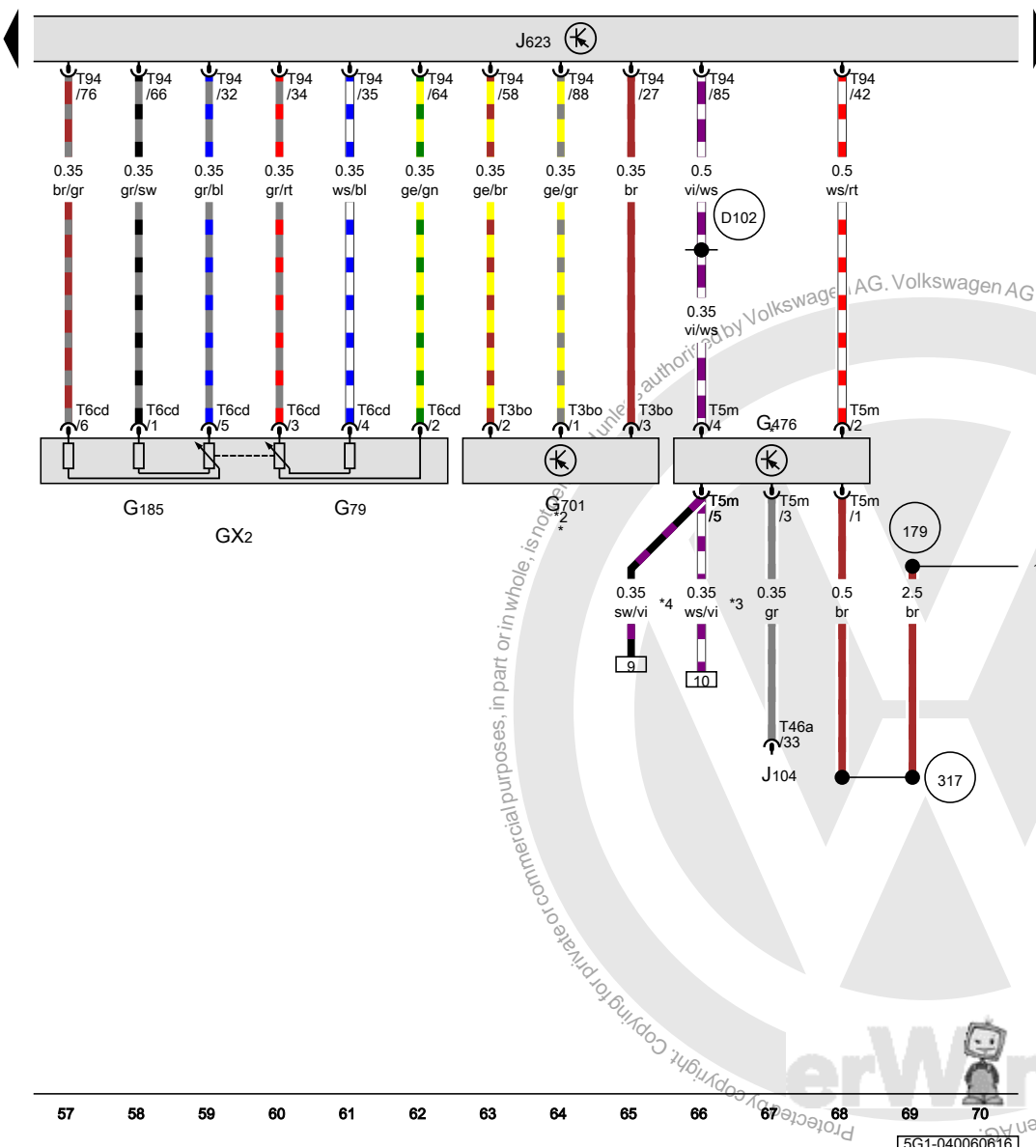
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

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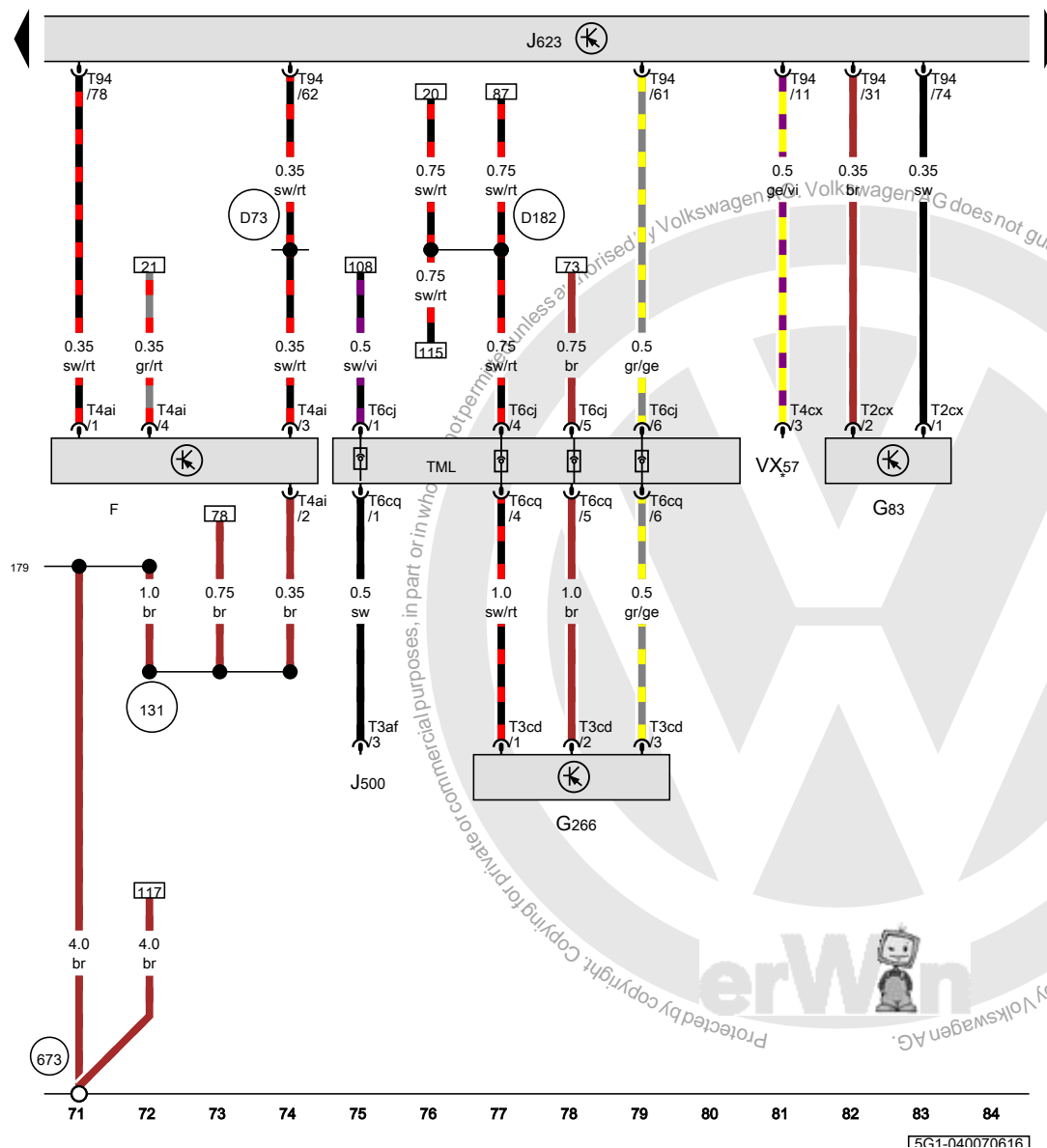
Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Up to May 2014
- *4 From May 2014



Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit



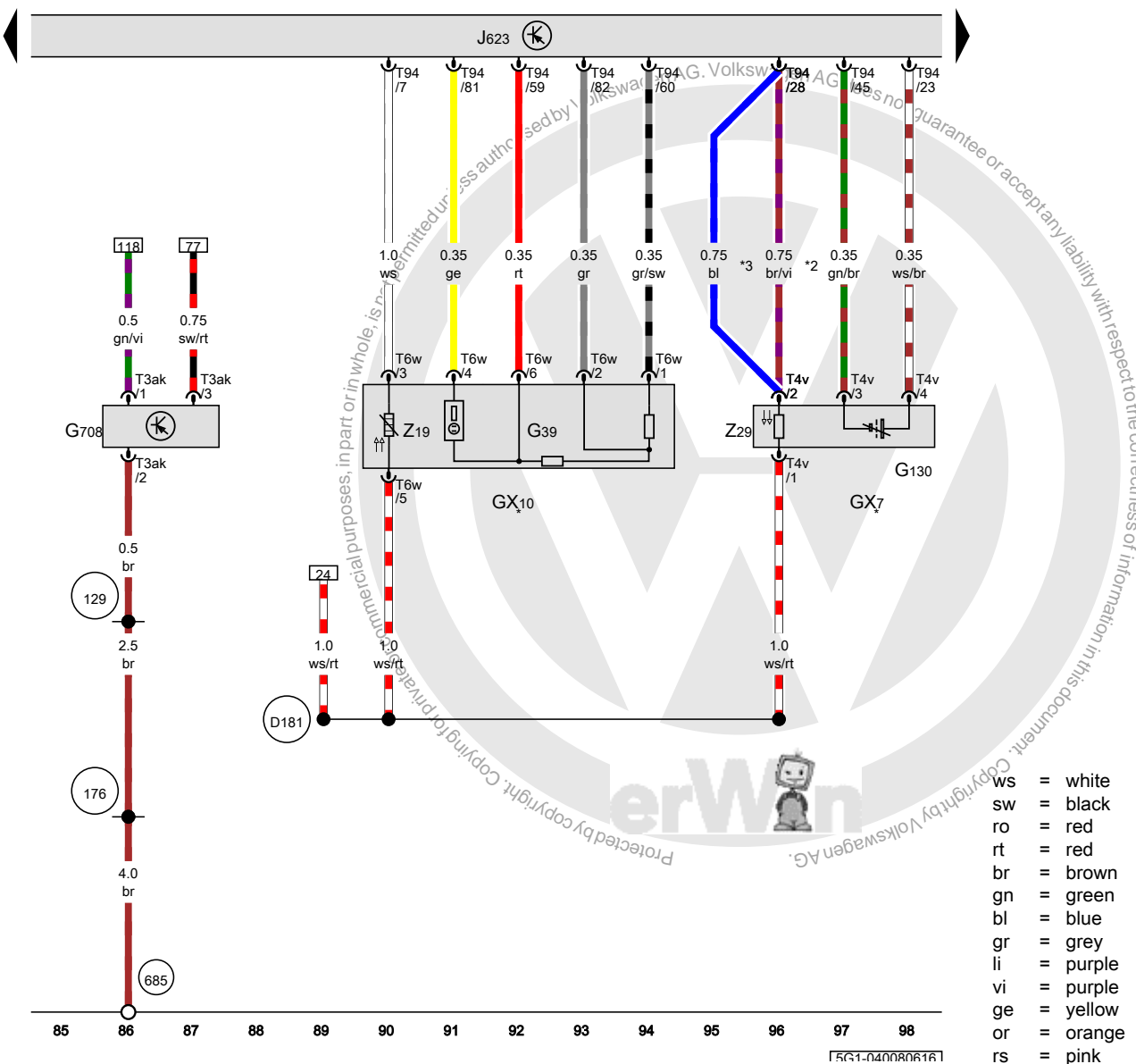
- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Ethanol concentration sender, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G708 Ethanol concentration sender
- J623 Engine control unit
- T3ak 3-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

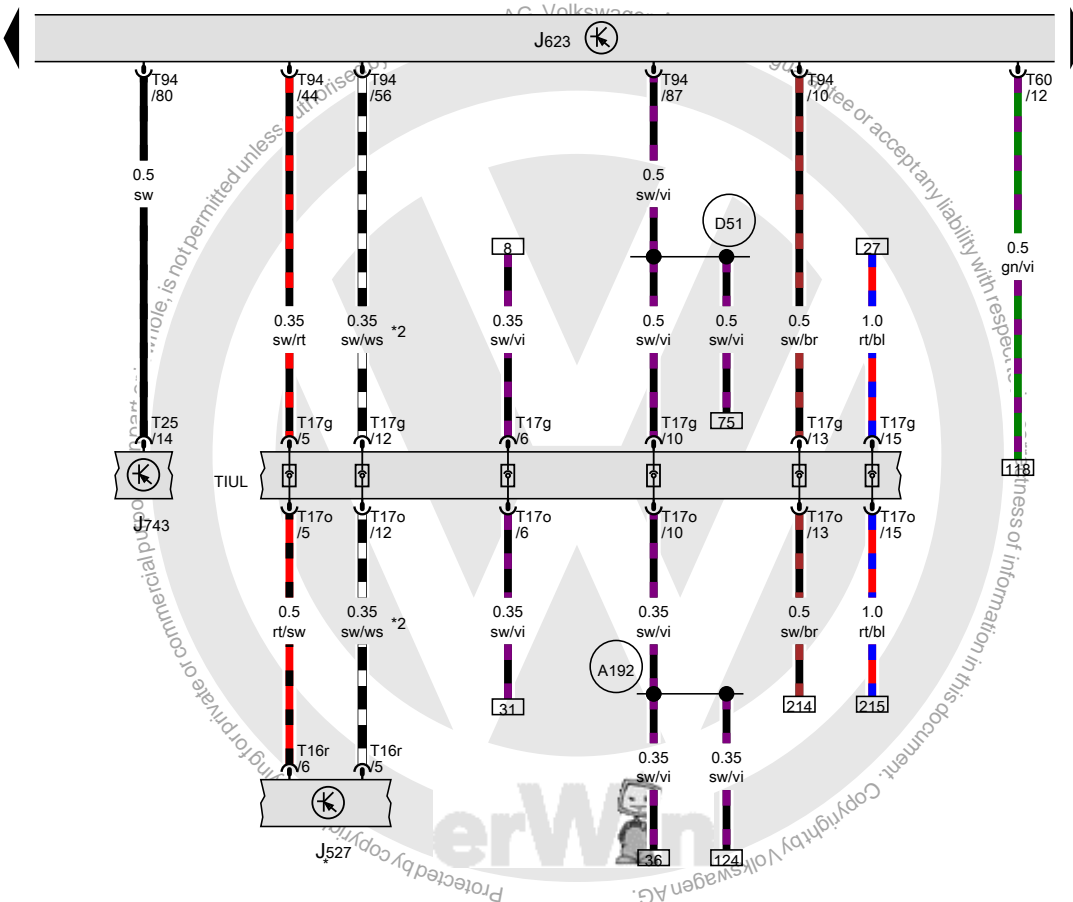
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1 at front of right longitudinal member
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 Up to October 2014
- *3 From November 2014



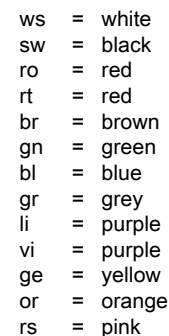
Steering column electronics control unit, Engine control unit, Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector
- T60 60-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 Only models with cruise control system (CCS)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



* Only models with equipment for Japan
*2 Up to October 2014
*3 From November 2014

Hall sender, Engine control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

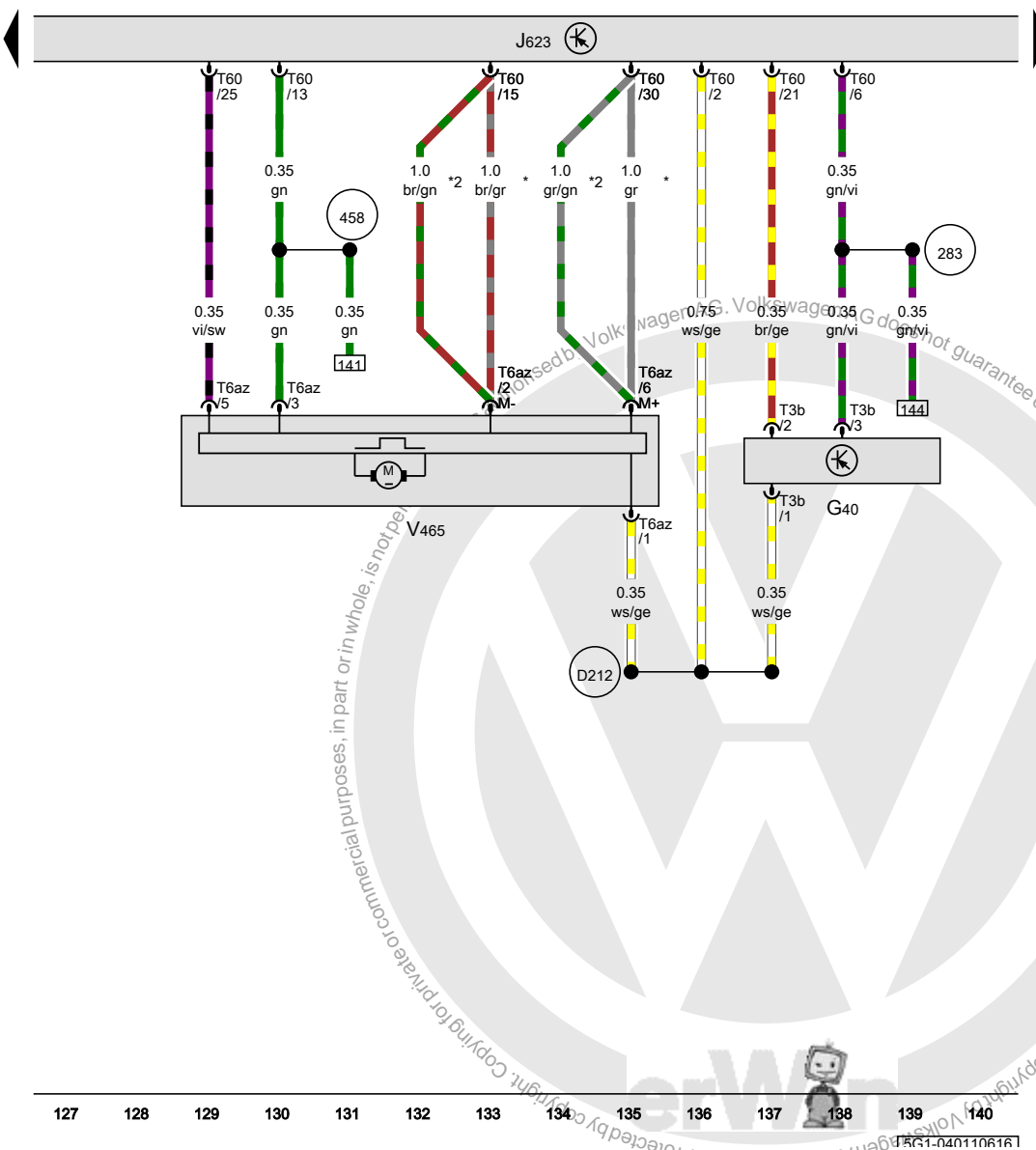
283 Earth point 2, engine prewiring harness

458 Earth point 3, engine prewiring harness

D212 Connection 4 (5V) in engine prewiring harness

* Up to May 2013

*2 From May 2013



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

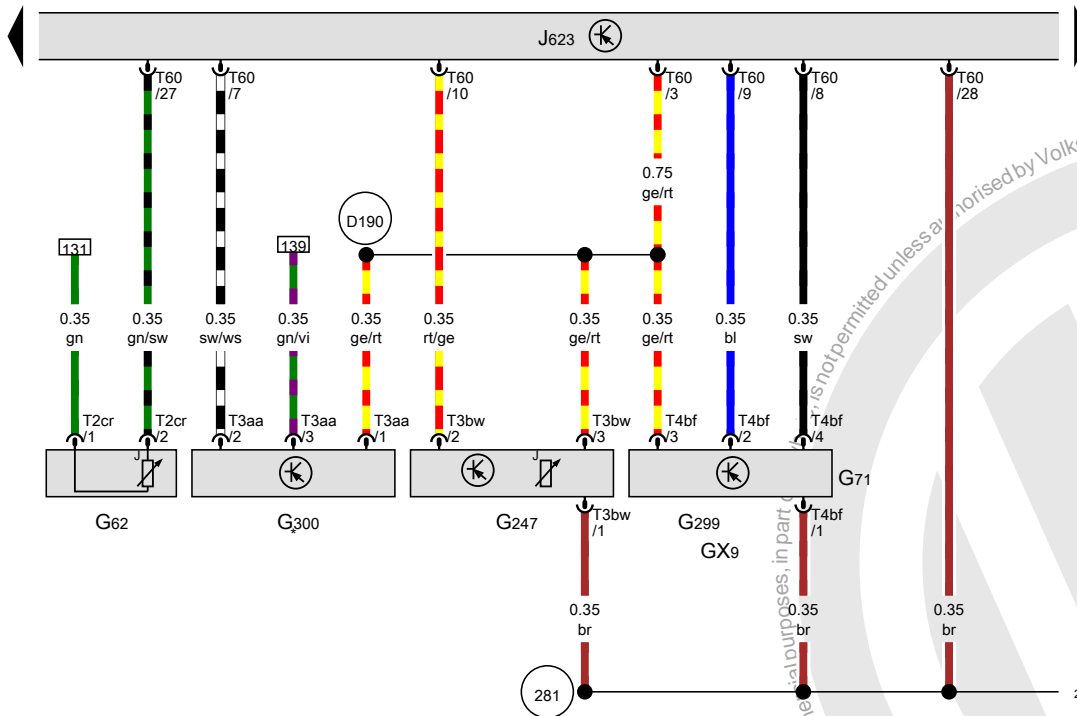
Intake manifold sender, Coolant temperature sender, Intake manifold pressure sender, Fuel pressure sender, Engine control unit

- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine control unit
- T2cr 2-pin connector
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

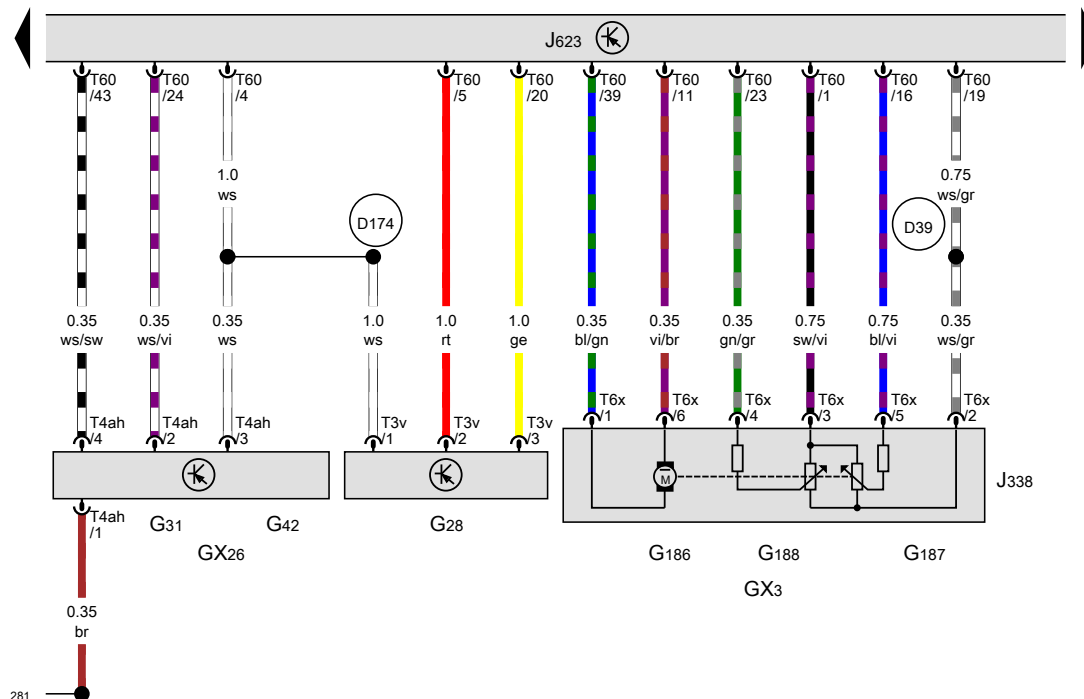
D190 Connection 3 (5V) in engine prewiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Charge pressure sender, Engine speed sender, Engine control unit



- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- D39 Connection 1, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

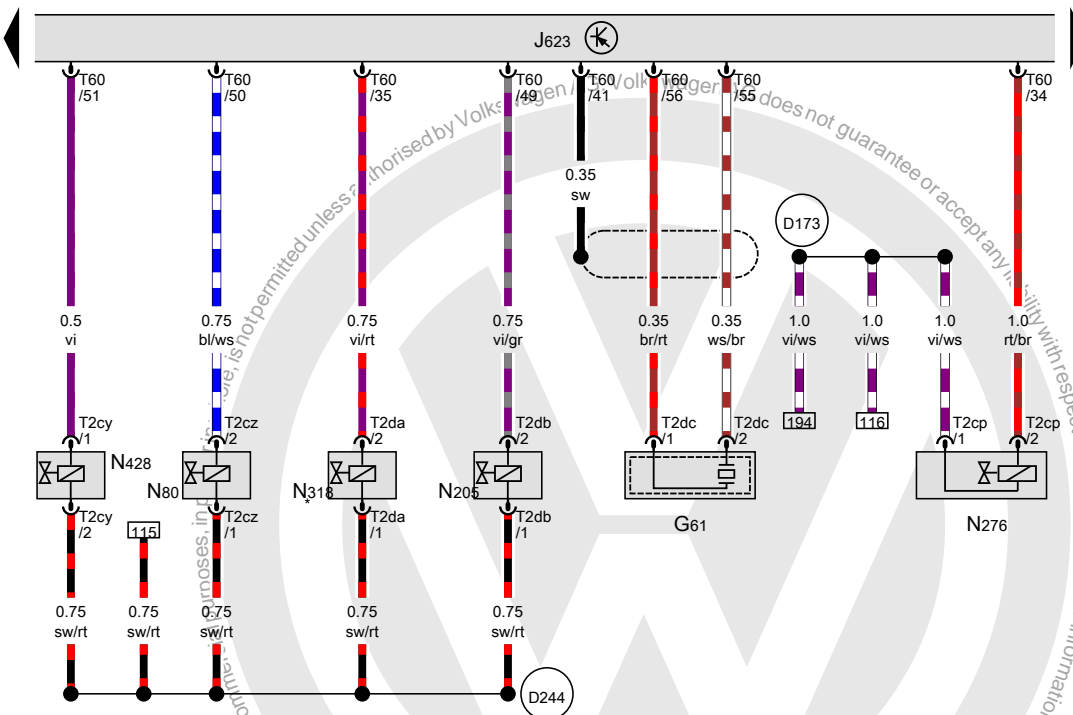
Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

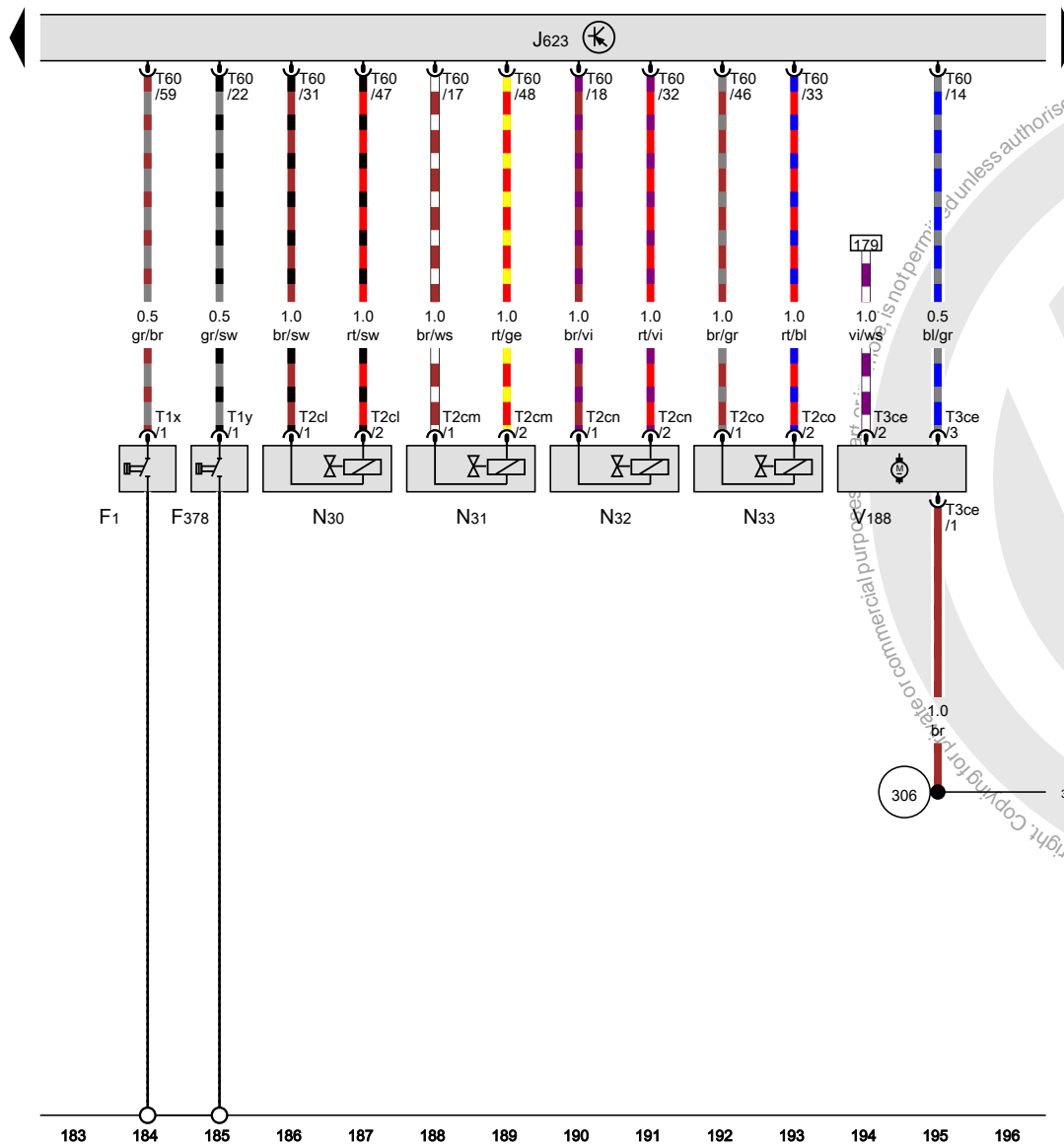
D244 Connection 5 (87a) in engine prewiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump



- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness

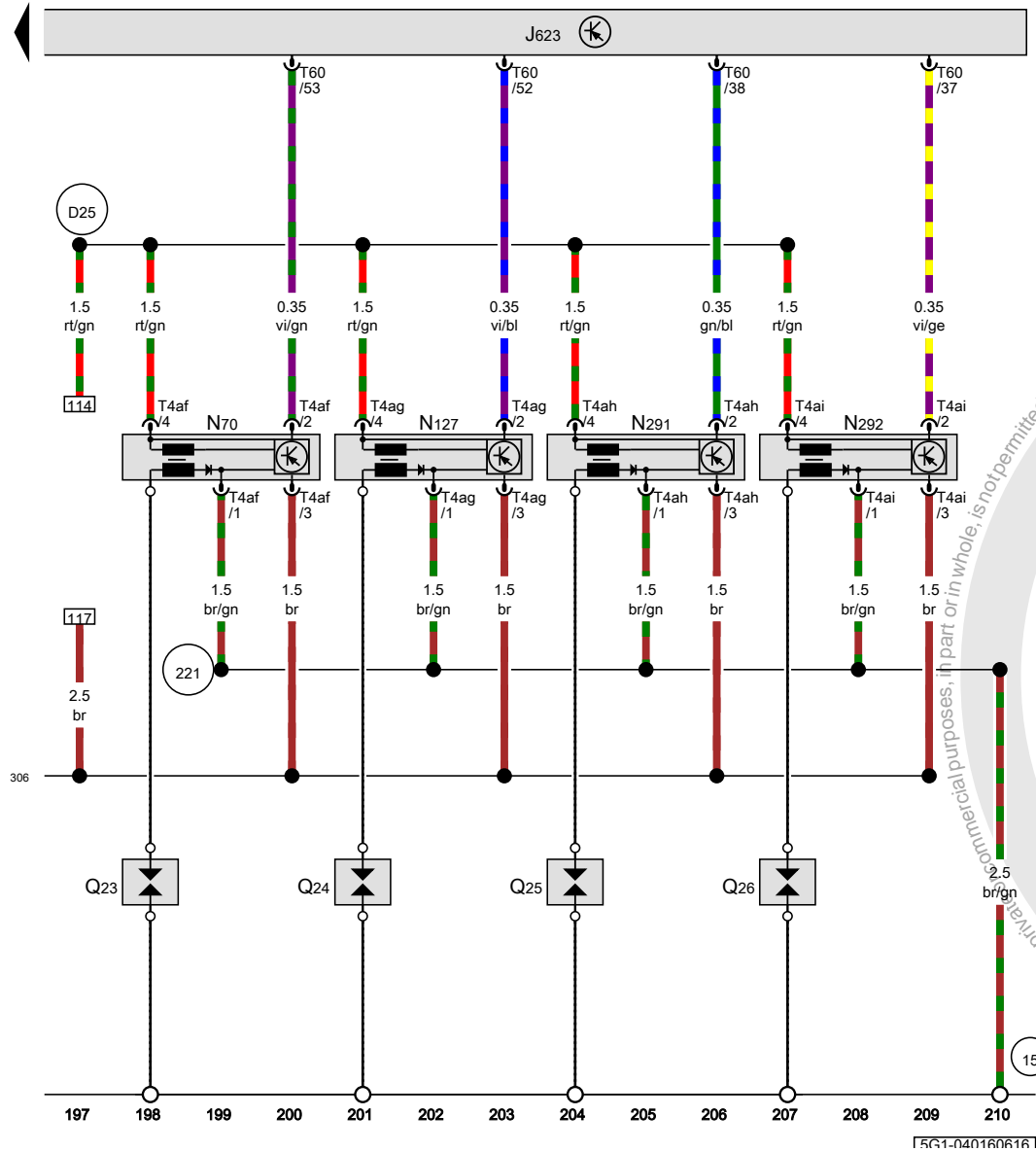
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

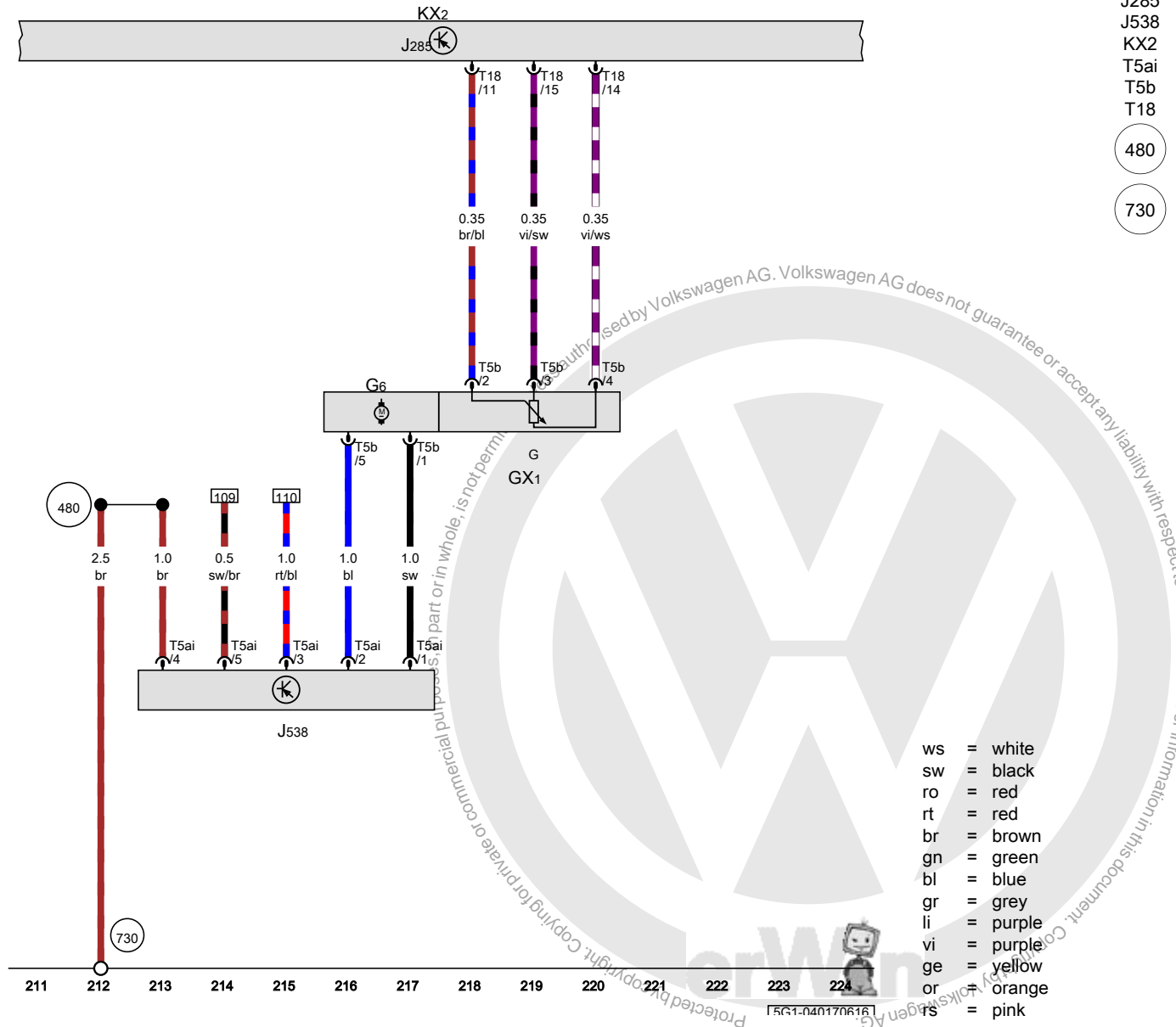
15G1-040160616

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing



1.4l petrol engine , CPTA,CZEA

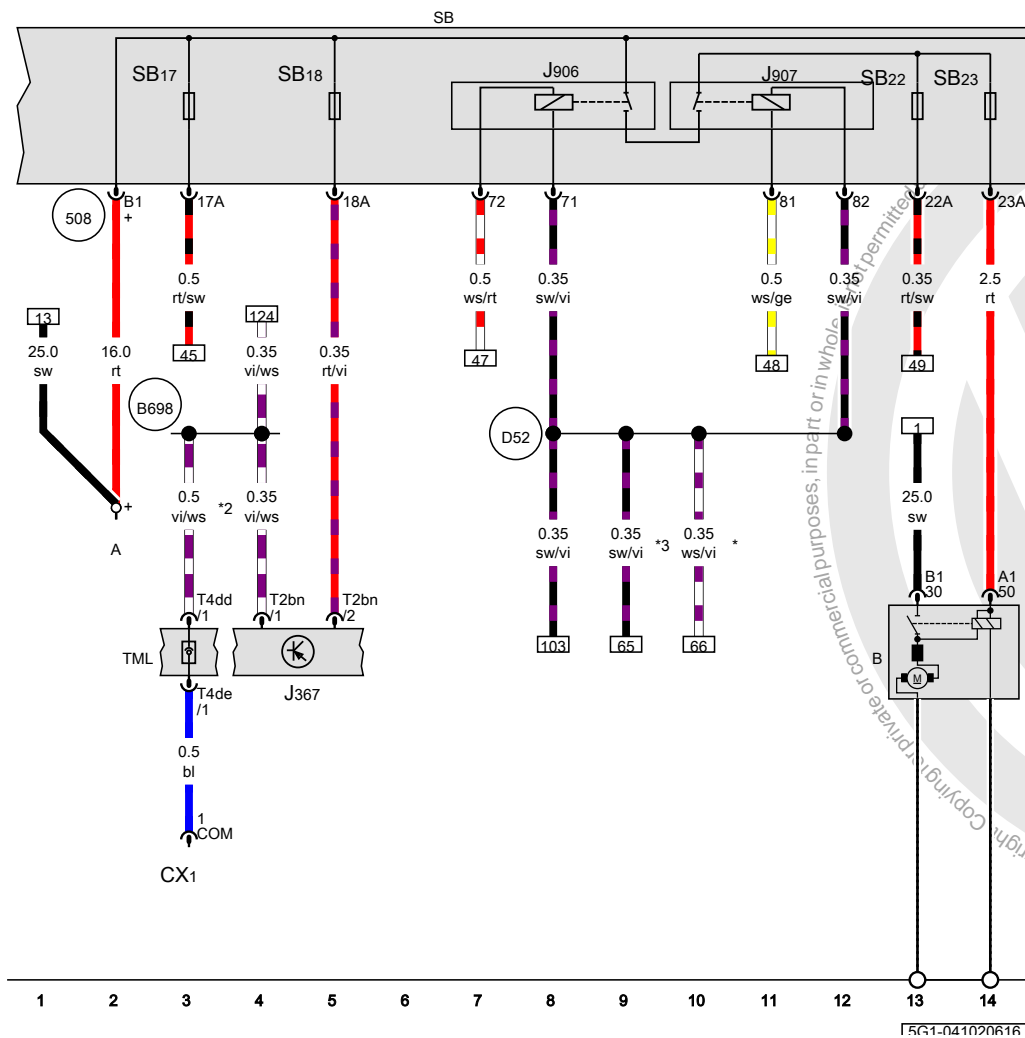
From November 2012



Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

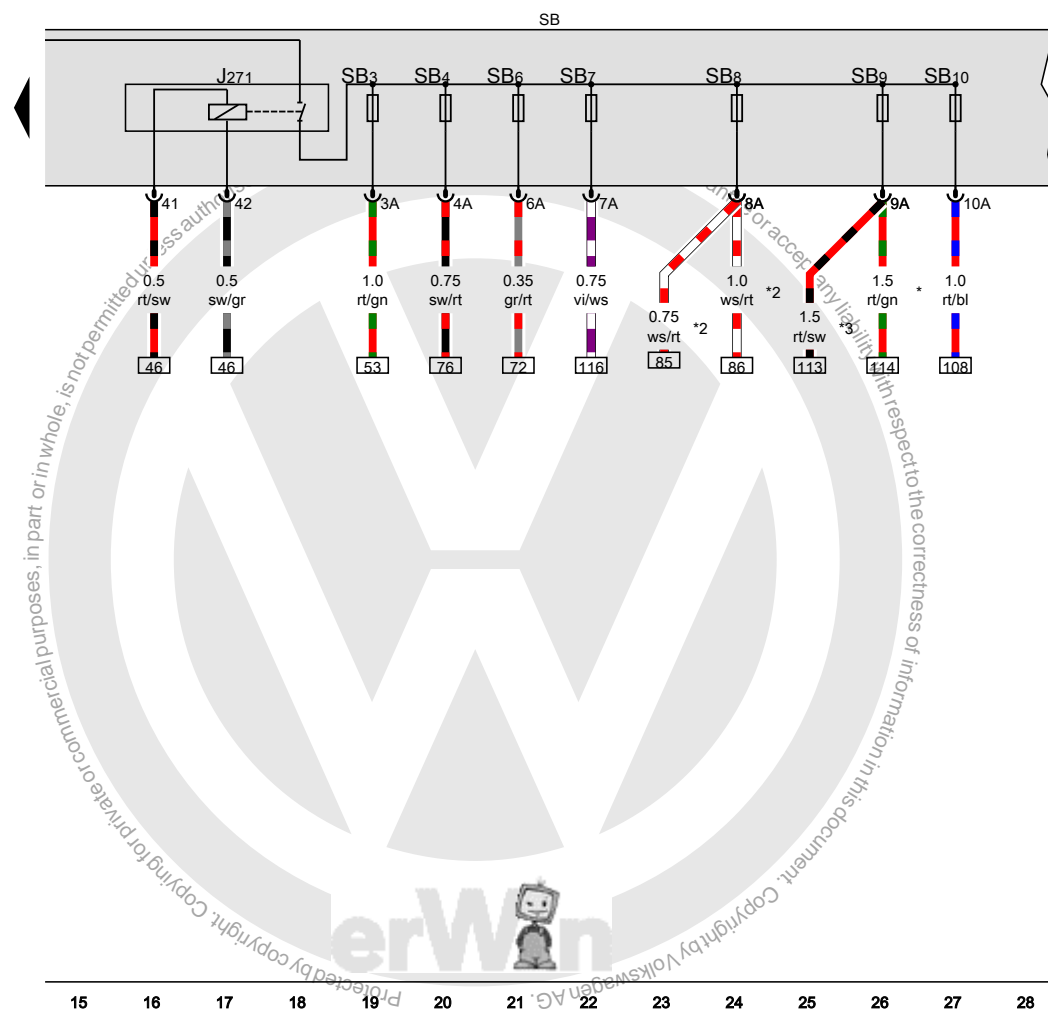
- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross section depends on equipment
- *3 From May 2014



Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Up to October 2014
- *2 According to equipment
- *3 From November 2014



- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

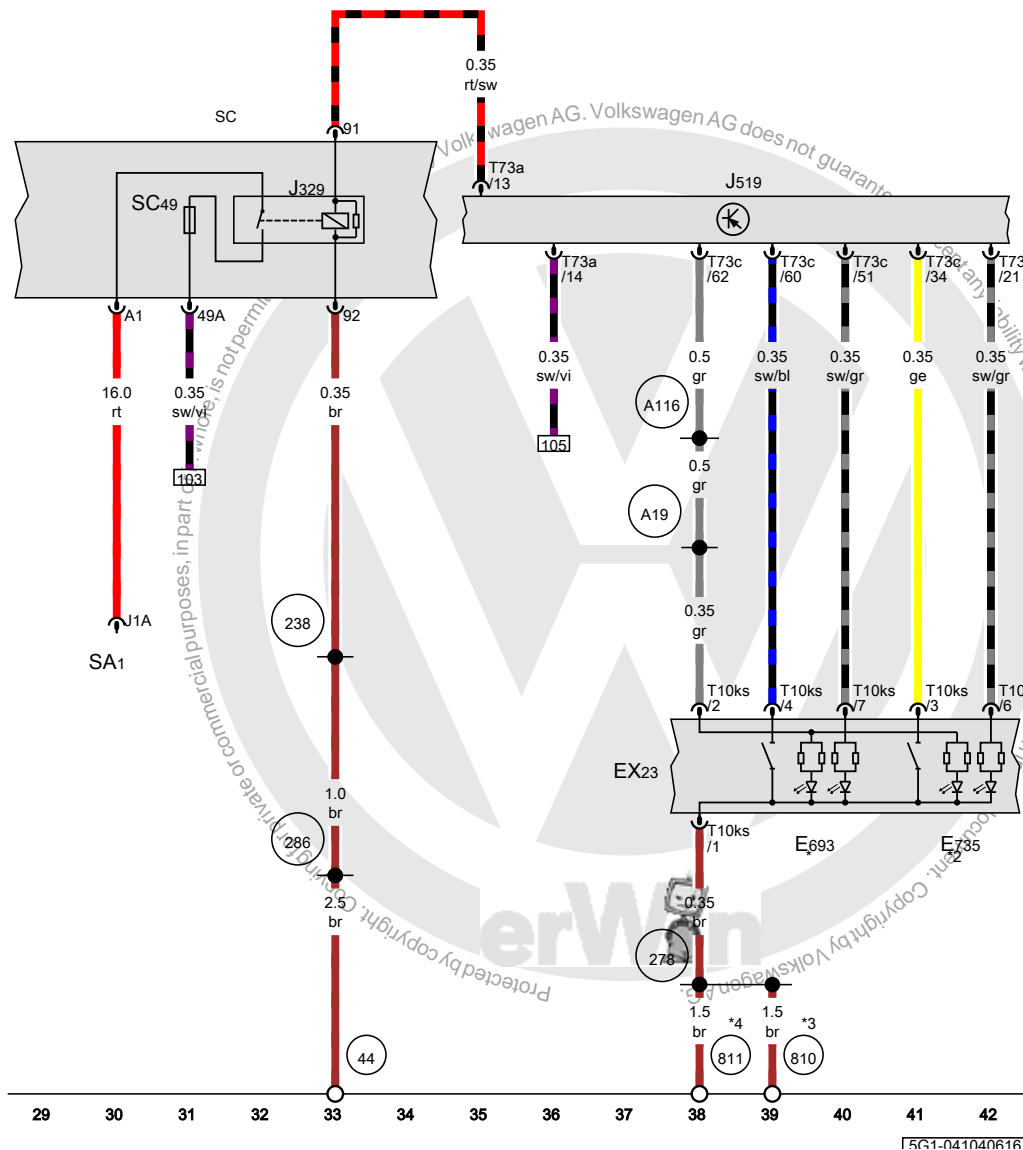
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
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15G1-041040616

Engine control unit

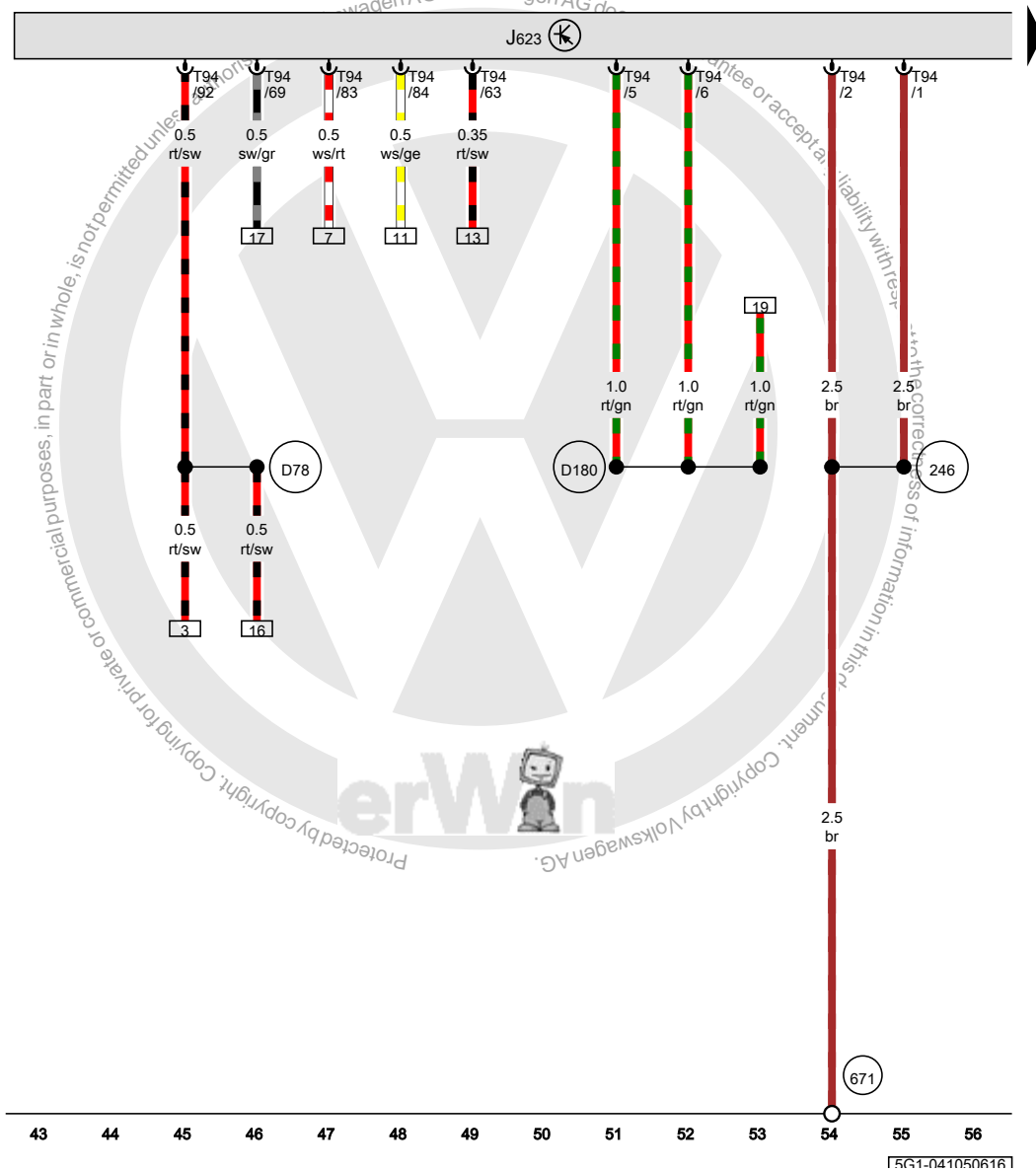
J623 Engine control unit
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

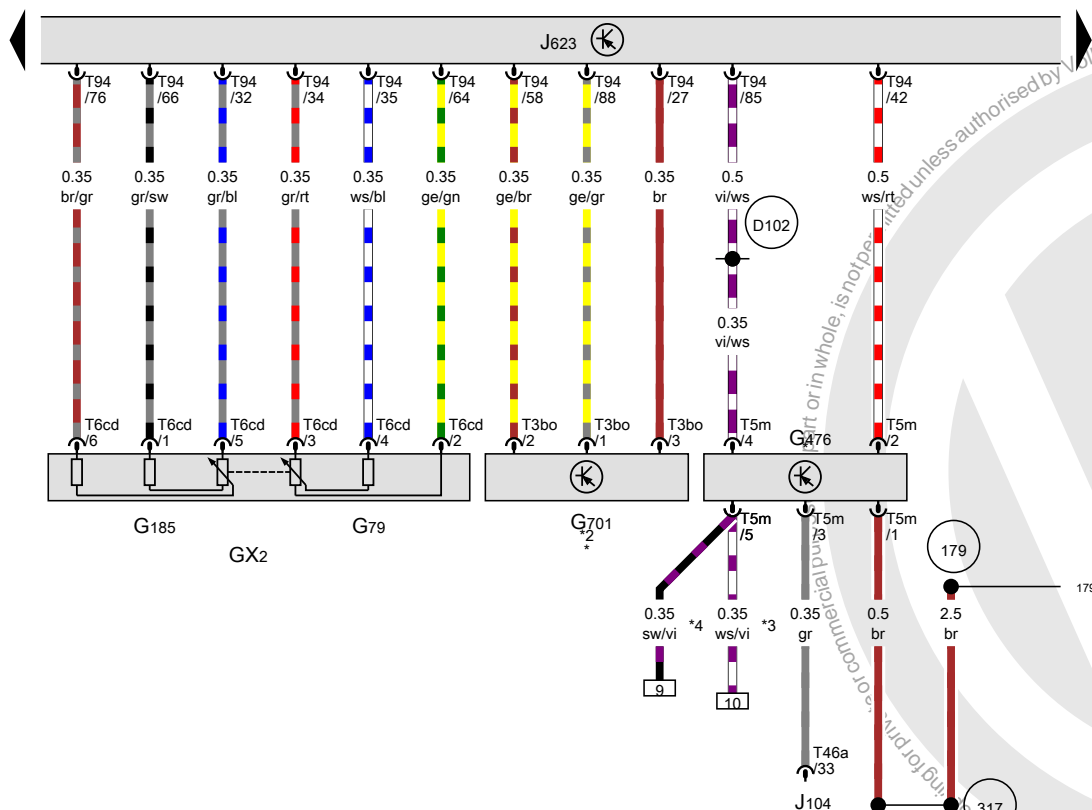
D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit



- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Up to May 2014
- *4 From May 2014

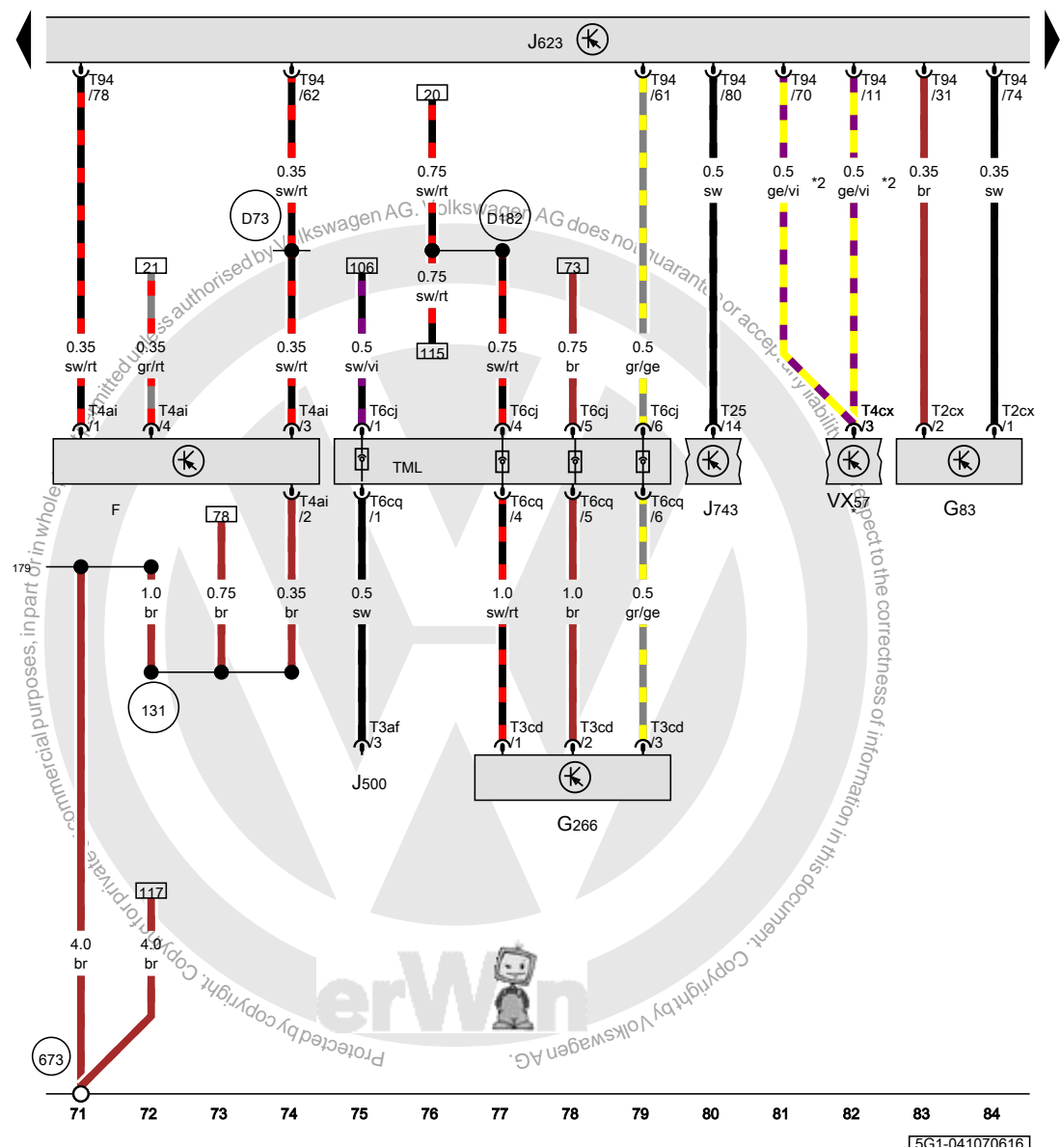
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit, Mechatronic unit for dual clutch gearbox, Radiator fan

- | | |
|------|--|
| F | Brake light switch |
| G83 | Radiator outlet coolant temperature sender |
| G266 | Oil level and oil temperature sender |
| J500 | Power steering control unit |
| J623 | Engine control unit |
| J743 | Mechatronic unit for dual clutch gearbox |
| T2cx | 2-pin connector |
| T3af | 3-pin connector |
| T3cd | 3-pin connector |
| T4ai | 4-pin connector |
| T4cx | 4-pin connector |
| T6cj | 6-pin connector, black |
| T6cq | 6-pin connector |
| T25 | 25-pin connector |
| T94 | 94-pin connector |
| TML | Coupling point in engine compartment, left |
| VX57 | Radiator fan |

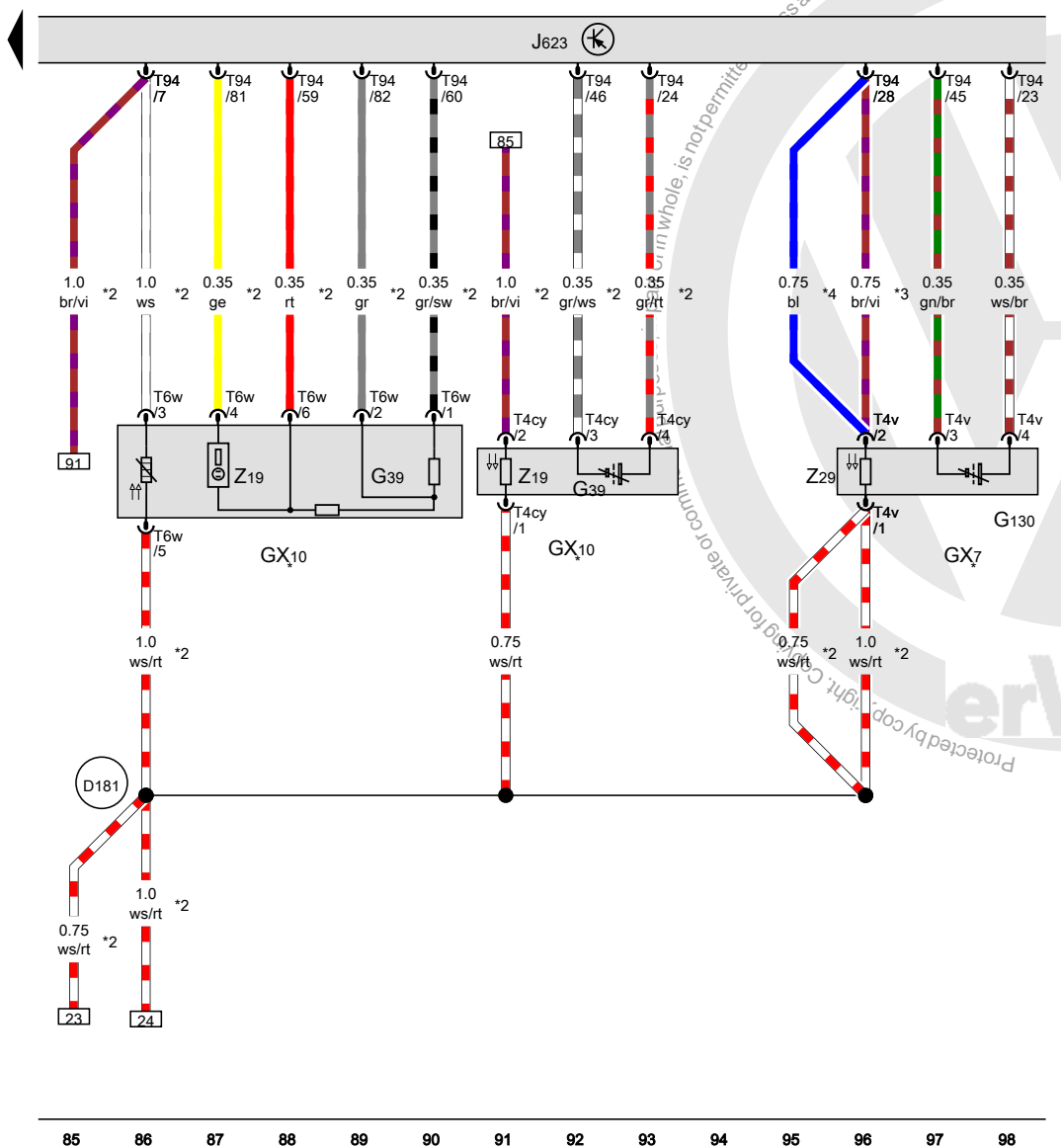
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment

- ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4cy 4-pin connector, brown
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment
- *3 Up to October 2014
- *4 From November 2014



15G1-041080616

Steering column electronics control unit, Engine control unit,
Coupling point in engine compartment, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J527 Steering column electronics control unit
- J623 Engine control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- V192 Vacuum pump for brakes

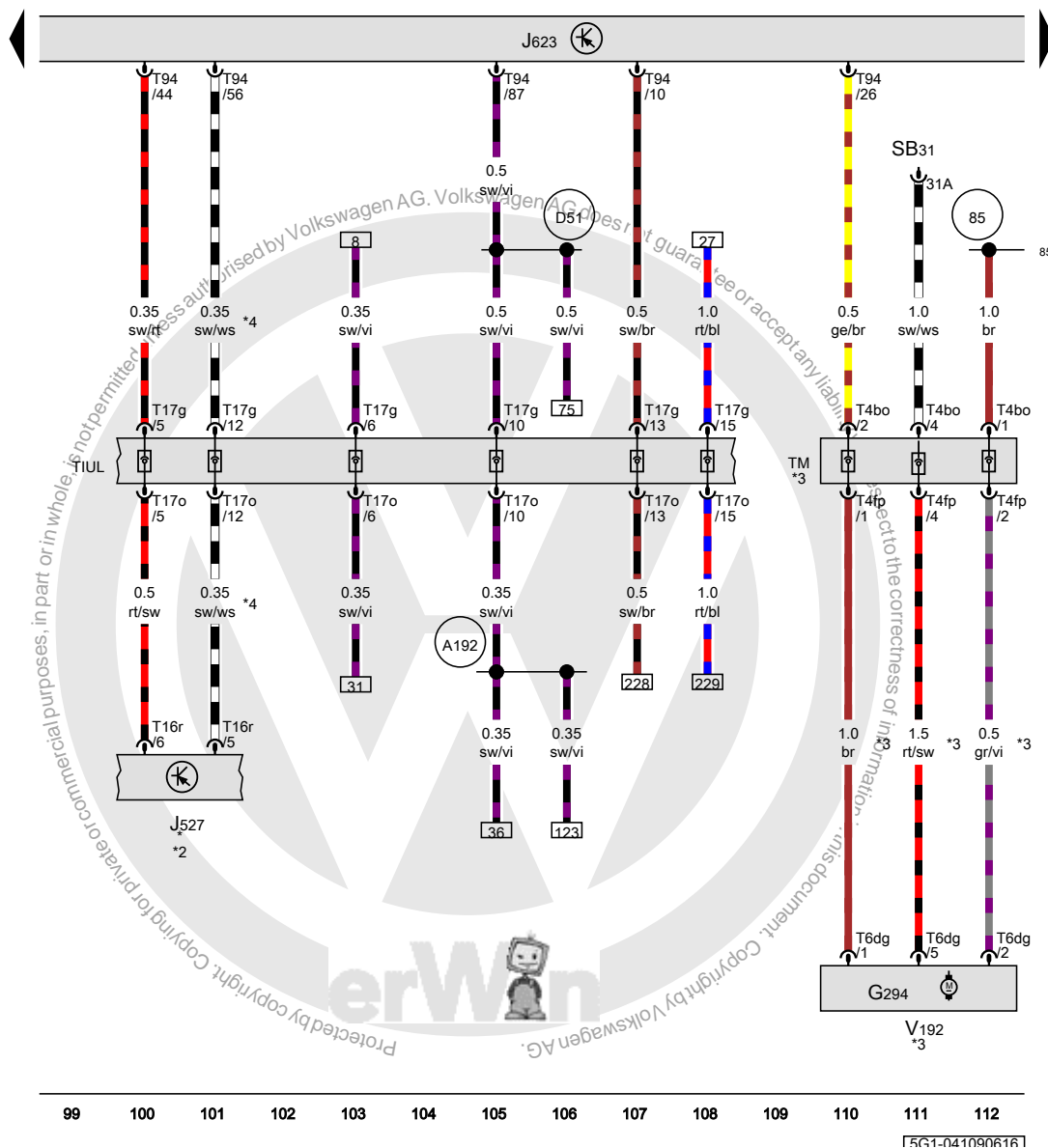
85 Earth connection 1, in engine compartment wiring harness

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

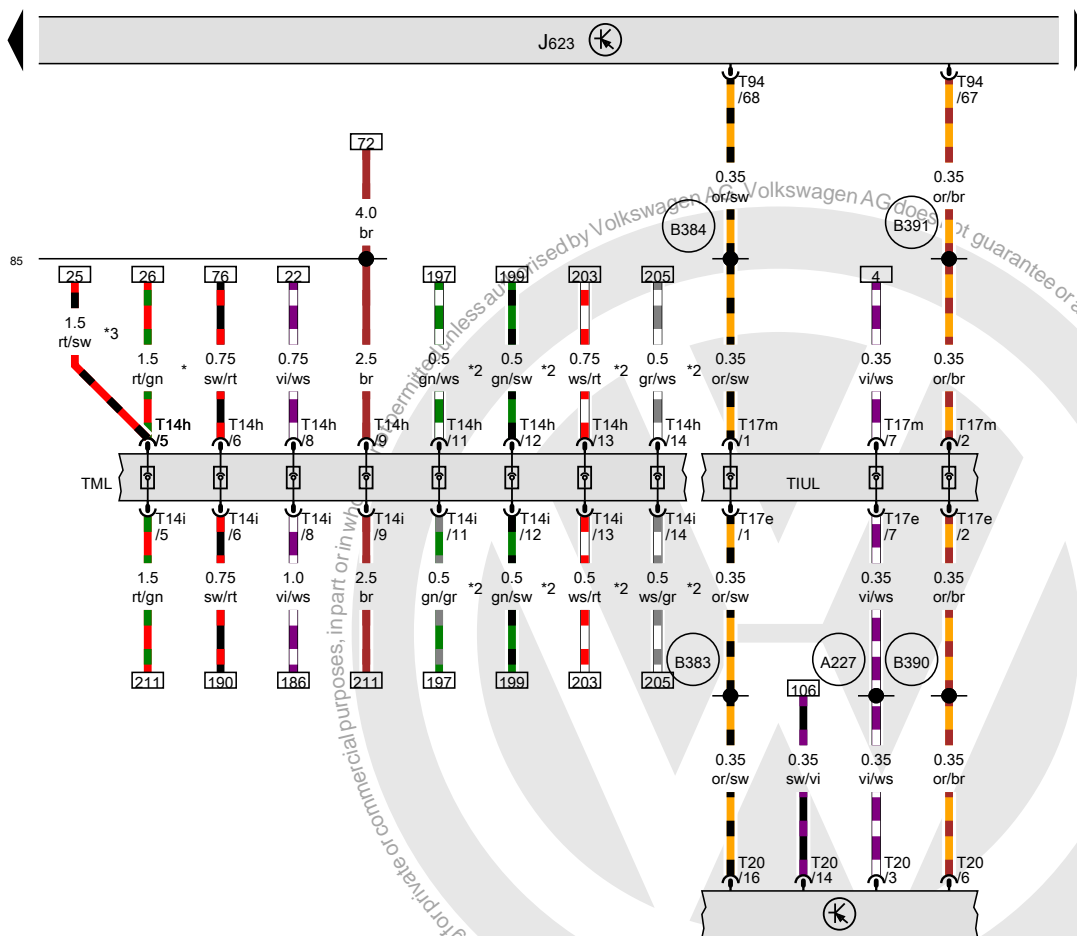
- * see applicable current flow diagram
- *2 Only models with no heated steering wheel
- *3 Only models with equipment for Japan
- *4 Only models with cruise control system (CCS)

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



99 100 101 102 103 104 105 106 107 108 109 110 111 112

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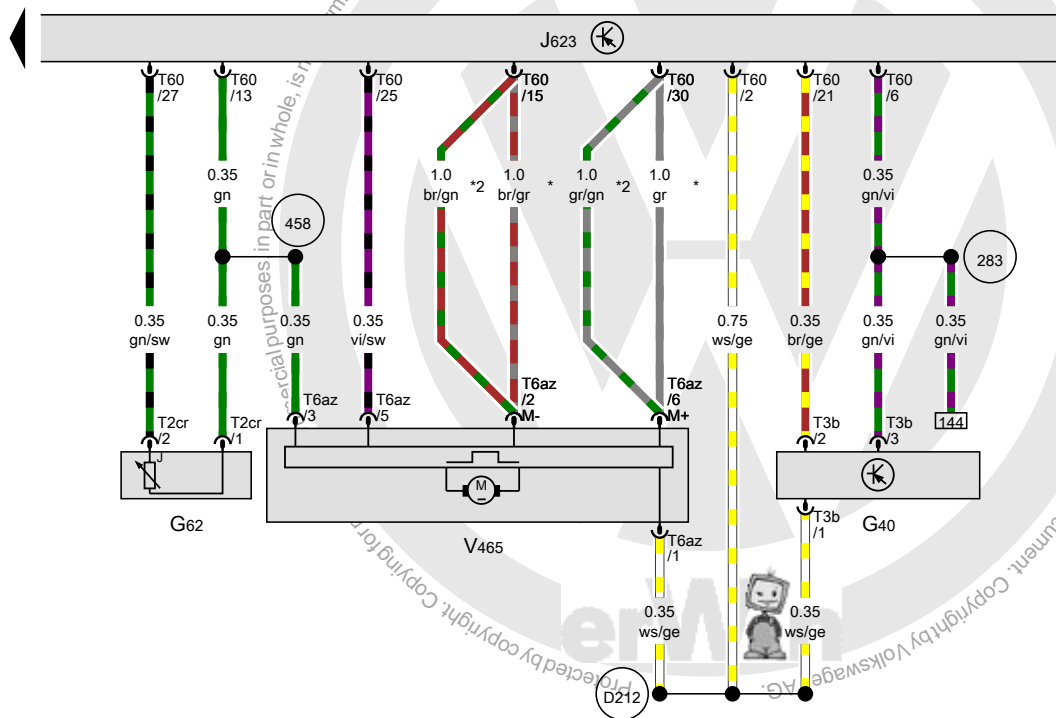


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Data bus diagnostic interface, Engine control unit

J533 Data bus diagnostic interface
 J623 Engine control unit
 T14h 14-pin connector, grey
 T14i 14-pin connector, grey
 T17e 17-pin connector, brown
 T17m 17-pin connector, brown
 T20 20-pin connector
 T94 94-pin connector
 TIUL Coupling point in interior, below left
 TML Coupling point in engine compartment, left

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * Up to October 2014
- *2 According to equipment
- *3 From November 2014



Hall sender, Coolant temperature sender, Engine control unit, Charge pressure positioner

- G40 Hall sender
- G62 Coolant temperature sender
- J623 Engine control unit
- T2cr 2-pin connector
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * Up to May 2013
- *2 From May 2013

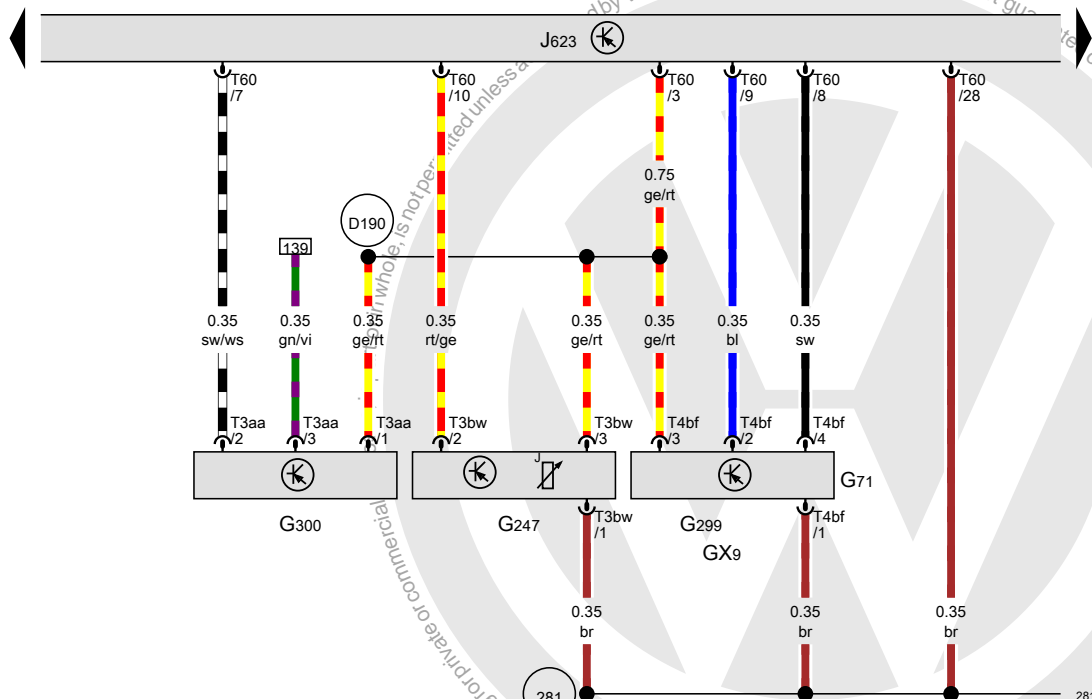
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake manifold sender, Fuel pressure sender, Engine control unit

- GX9 Intake manifold sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine control unit
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

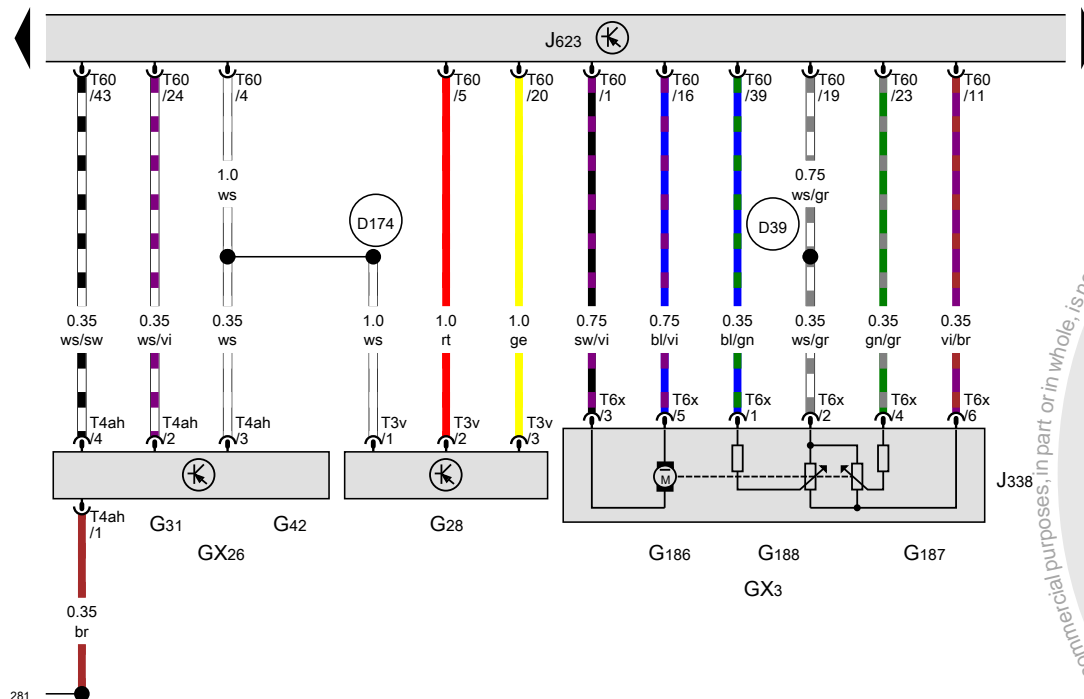
281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Charge pressure sender, Engine speed sender, Engine control unit



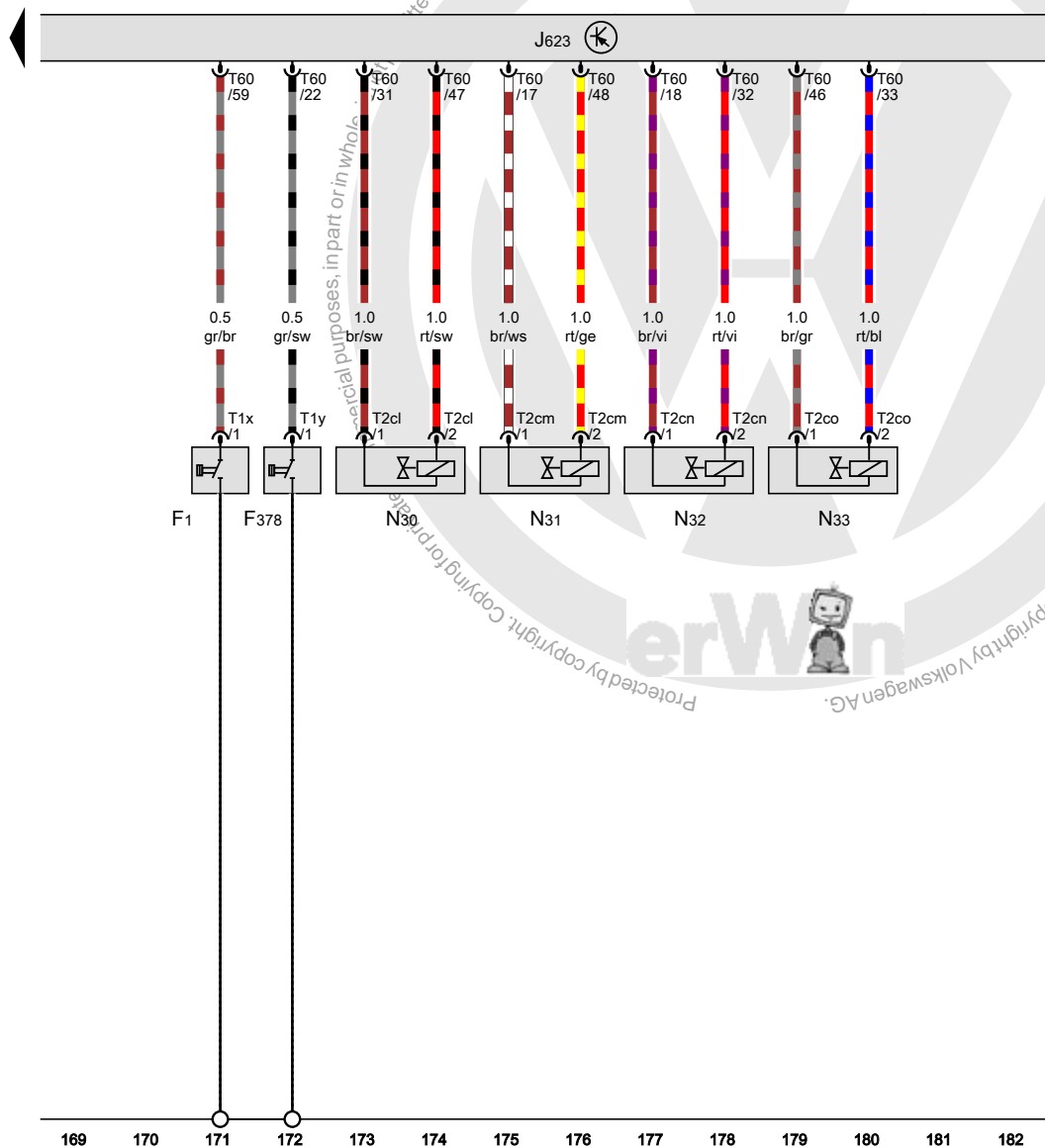
- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- D39 Connection 1, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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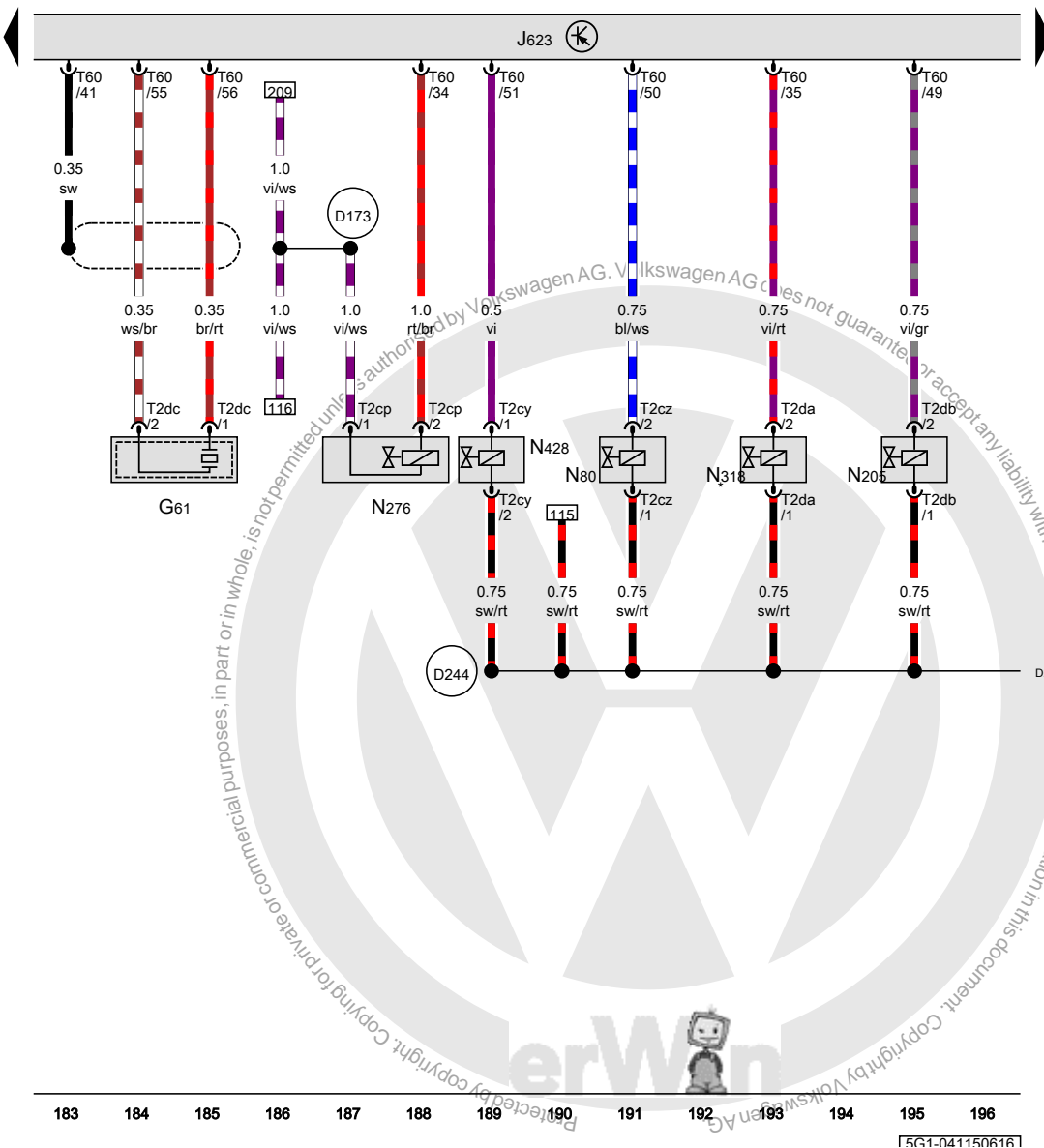
Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

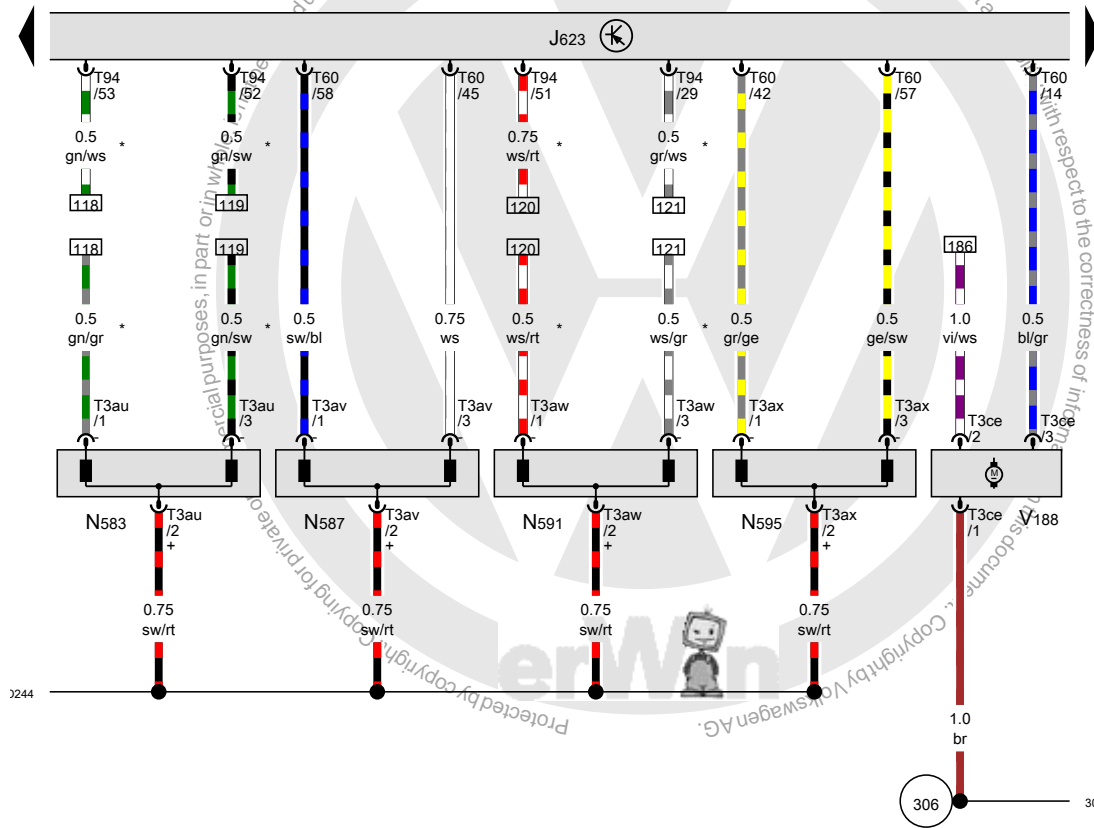
D244 Connection 5 (87a) in engine prewiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

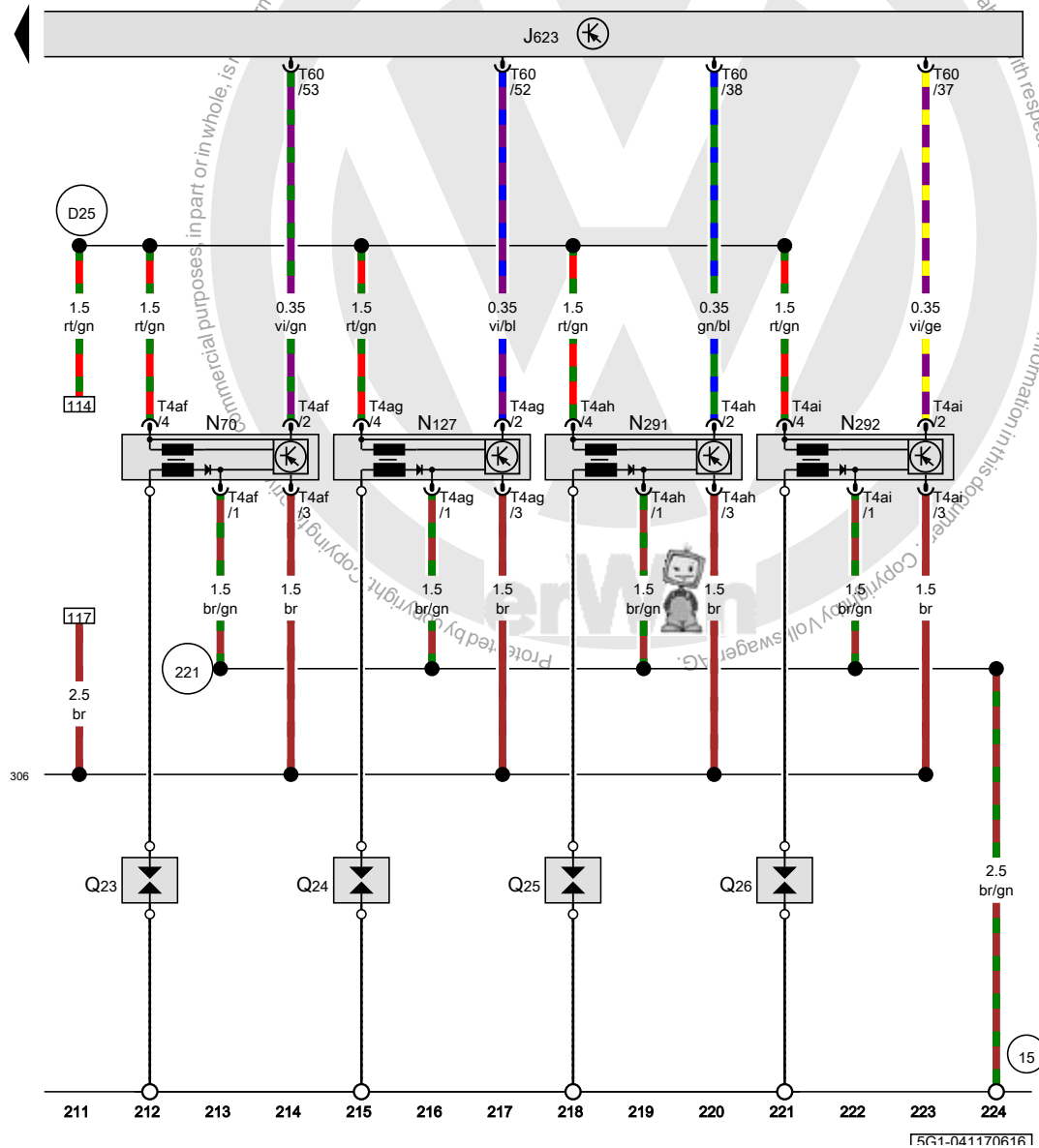
15G1-041150616



Engine control unit, Inlet cam actuator for cylinder 2, Exhaust cam actuator for cylinder 2, Inlet cam actuator for cylinder 3, Exhaust cam actuator for cylinder 3, Charge air cooling pump

- J623 Engine control unit
- N583 Inlet cam actuator for cylinder 2
- N587 Exhaust cam actuator for cylinder 2
- N591 Inlet cam actuator for cylinder 3
- N595 Exhaust cam actuator for cylinder 3
- T3au 3-pin connector
- T3av 3-pin connector
- T3aw 3-pin connector
- T3ax 3-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- D244 Connection 5 (87a) in engine prewiring harness
- * According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
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li = purple
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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

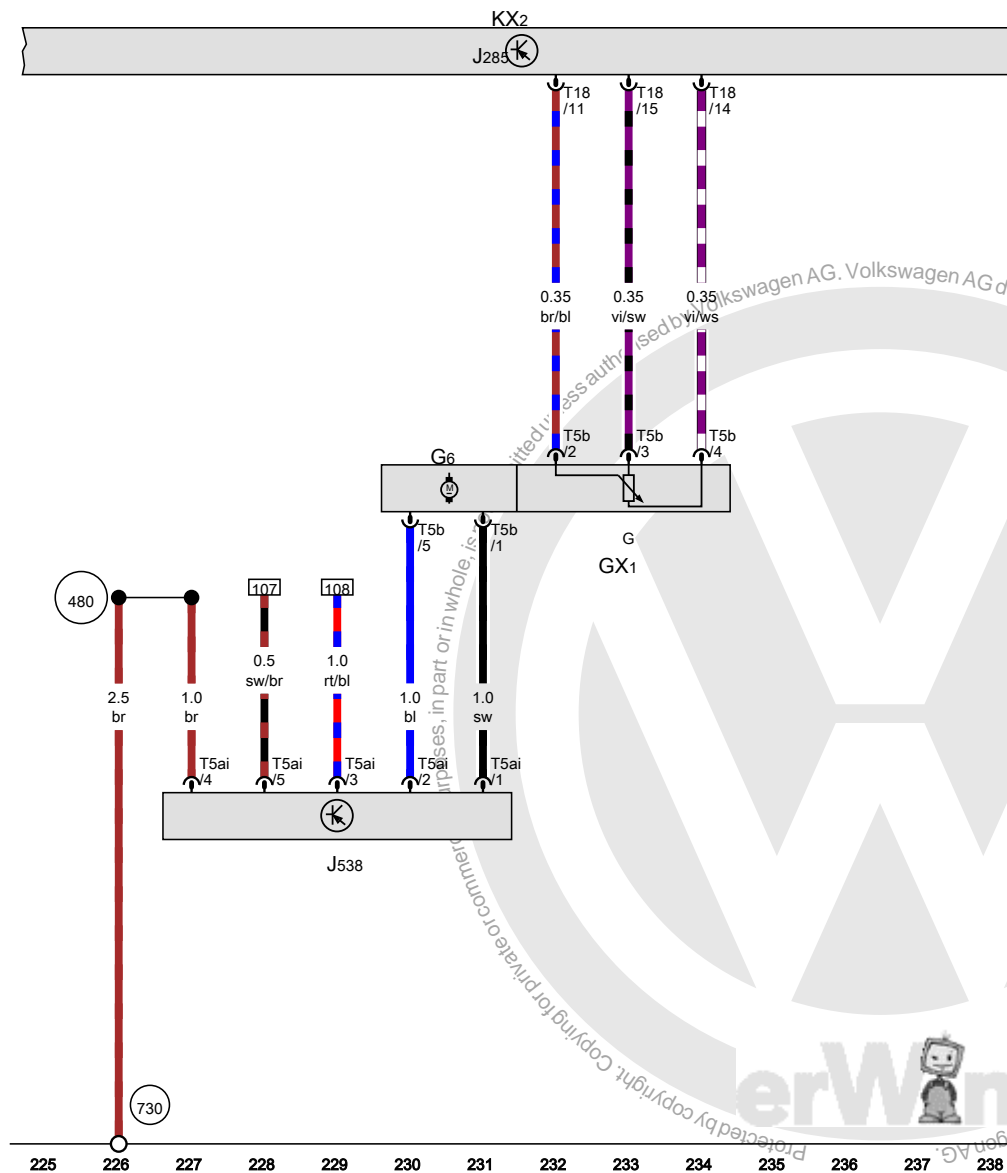
- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

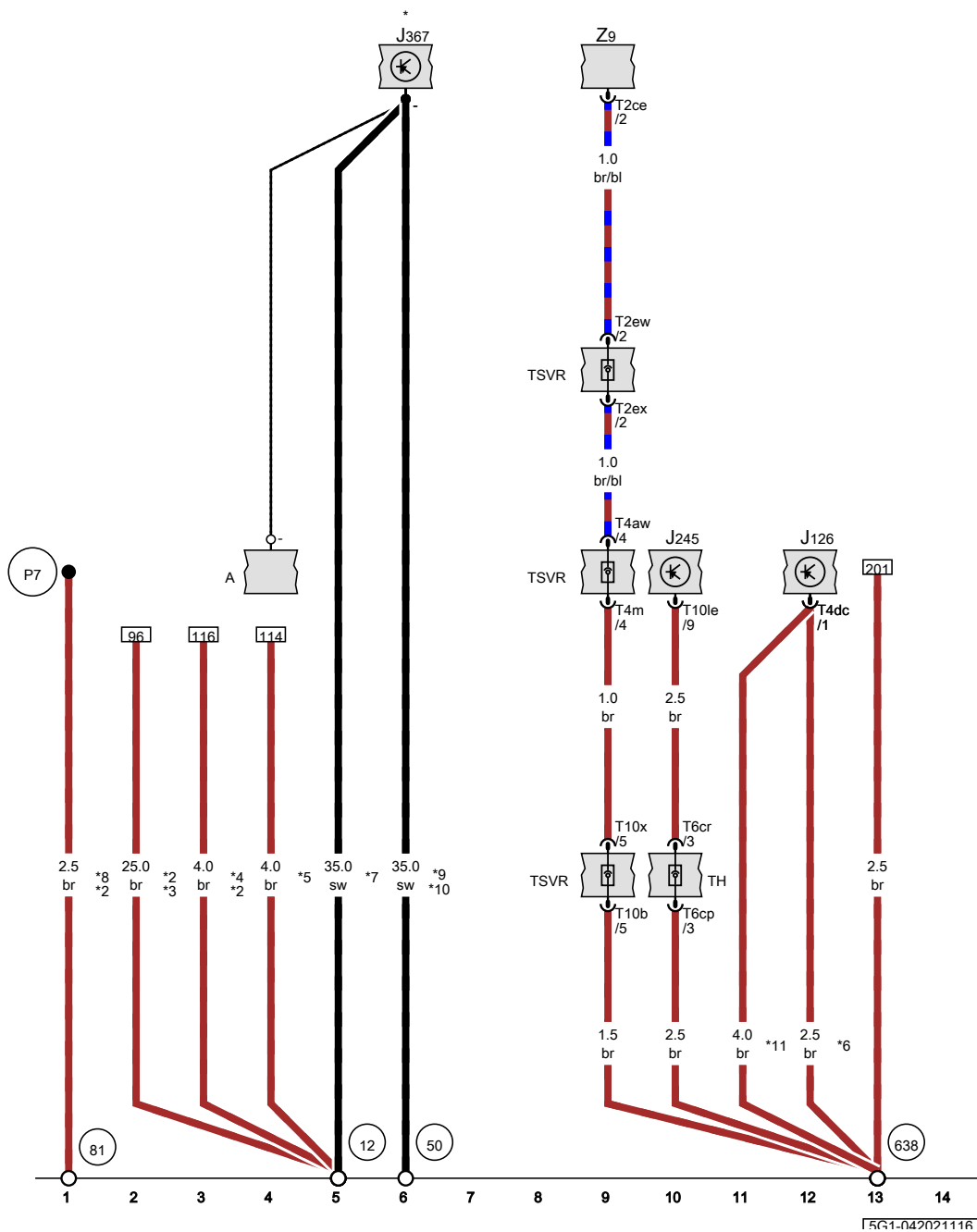


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Earthing concept

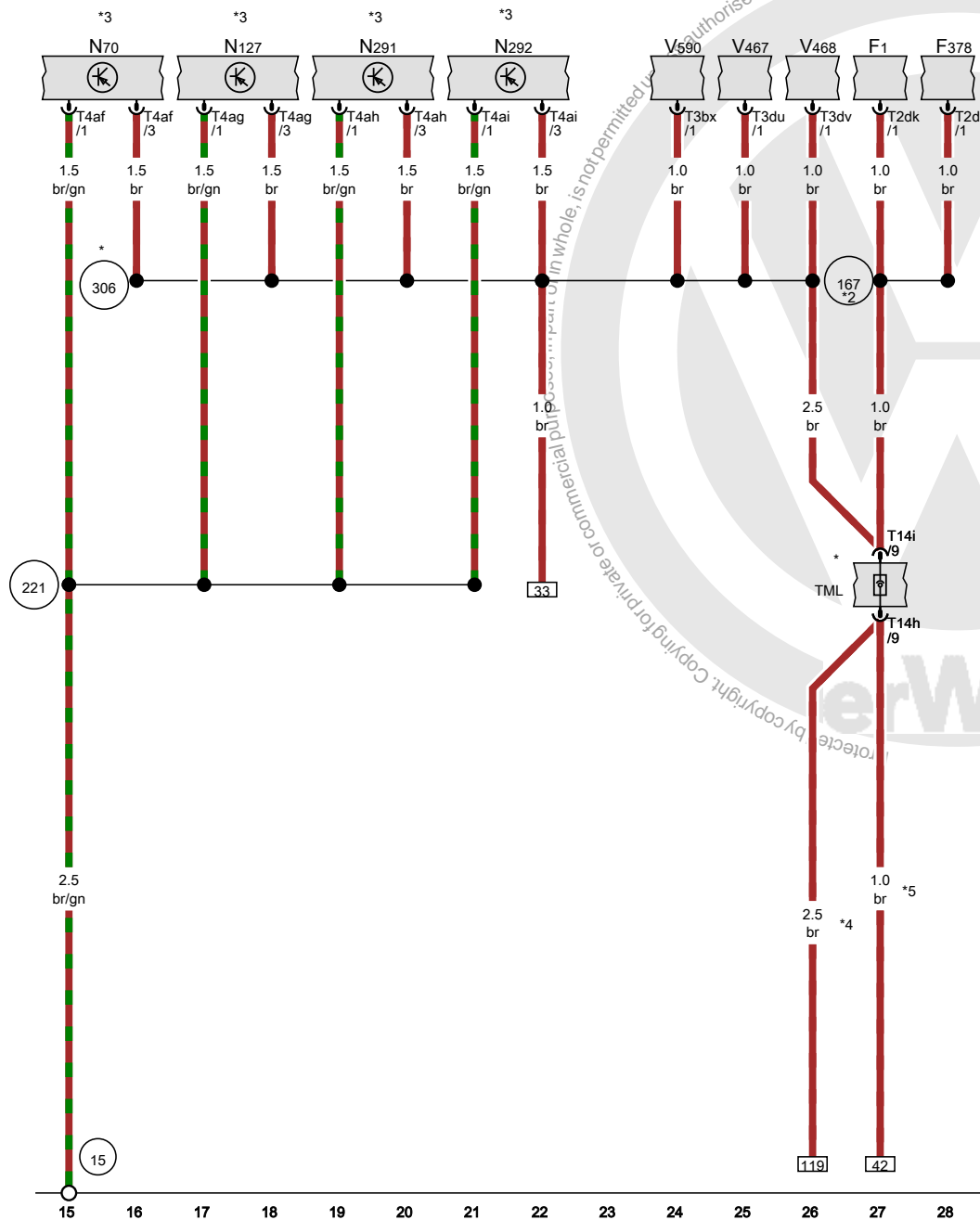
From November 2012





Earth point, on left in engine compartment, Earth point, on right A-pillar

- A Battery
- J126 Fresh air blower control unit
- J245 Sliding sunroof adjustment control unit
- J367 Battery monitor control unit
- T2ce 2-pin connector
- T2ew 2-pin connector
- T2ex 2-pin connector
- T4aw 4-pin connector
- T4dc 4-pin connector
- T4m 4-pin connector
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T10b 10-pin connector, black
- T10le 10-pin connector
- T10x 10-pin connector, black
- TH Coupling point for roof
- TSVR Coupling point for front right seat
- Z9 Heated backrest for front passenger seat
- 12 Earth point, on left in engine compartment
- 50 Earth point, on left in luggage compartment
- 81 Earth point in centre of engine compartment, near front bumper
- 638 Earth point, on right A-pillar
- P7 Connection 1, in high-voltage battery wiring harness
- * on the battery
- *2 see applicable current flow diagram for high-voltage system
- *3 Potential equalisation line 2 for power and control electronics for electric drive (P66)
- *4 Only left-hand drive models
- *5 Only right-hand drive models
- *6 Up to May 2016
- *7 Only models with battery in engine compartment
- *8 High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)
- *9 Only models with hybrid drive system
- *10 Only models with battery in luggage compartment
- *11 From May 2016



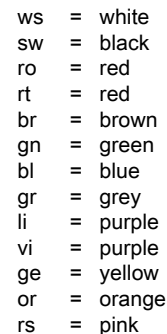
Earth connection 4, in engine compartment wiring harness,
Earth connection (engine earth), in engine wiring harness,
Earth connection (ignition coils), in engine prewiring harness

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- T2dk 2-pin connector
- T2dl 2-pin connector
- T3bx 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery
- 15 Earth point, on cylinder head
- 167 Earth connection 4, in engine compartment wiring harness
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness

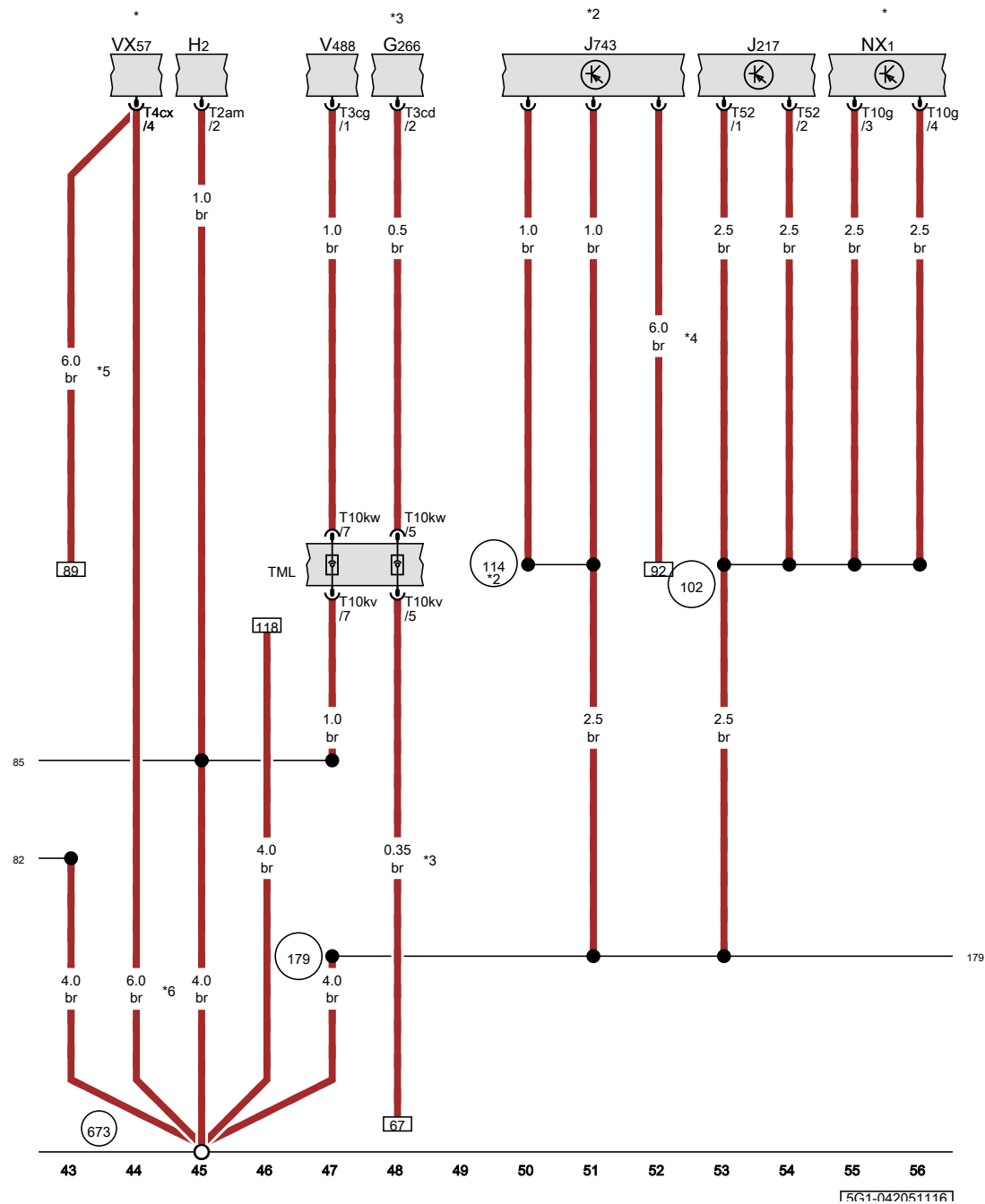
- * see applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 Only models with petrol engine
- *4 Only models with hybrid drive system
- *5 Cross section depends on equipment

ws = white
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rt = red
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gn = green
bl = blue
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- * Only models with diesel engine
- *2 see applicable current flow diagram for air conditioning
- *3 Only models with equipment for Japan
- *4 see applicable current flow diagram for engine
- *5 From May 2014
- *6 Up to November 2015
- *7 Cross section depends on equipment
- *8 see applicable current flow diagram
- *9 Up to May 2014
- *10 According to equipment
- *11 Only models with hybrid drive system
- *12 From November 2015



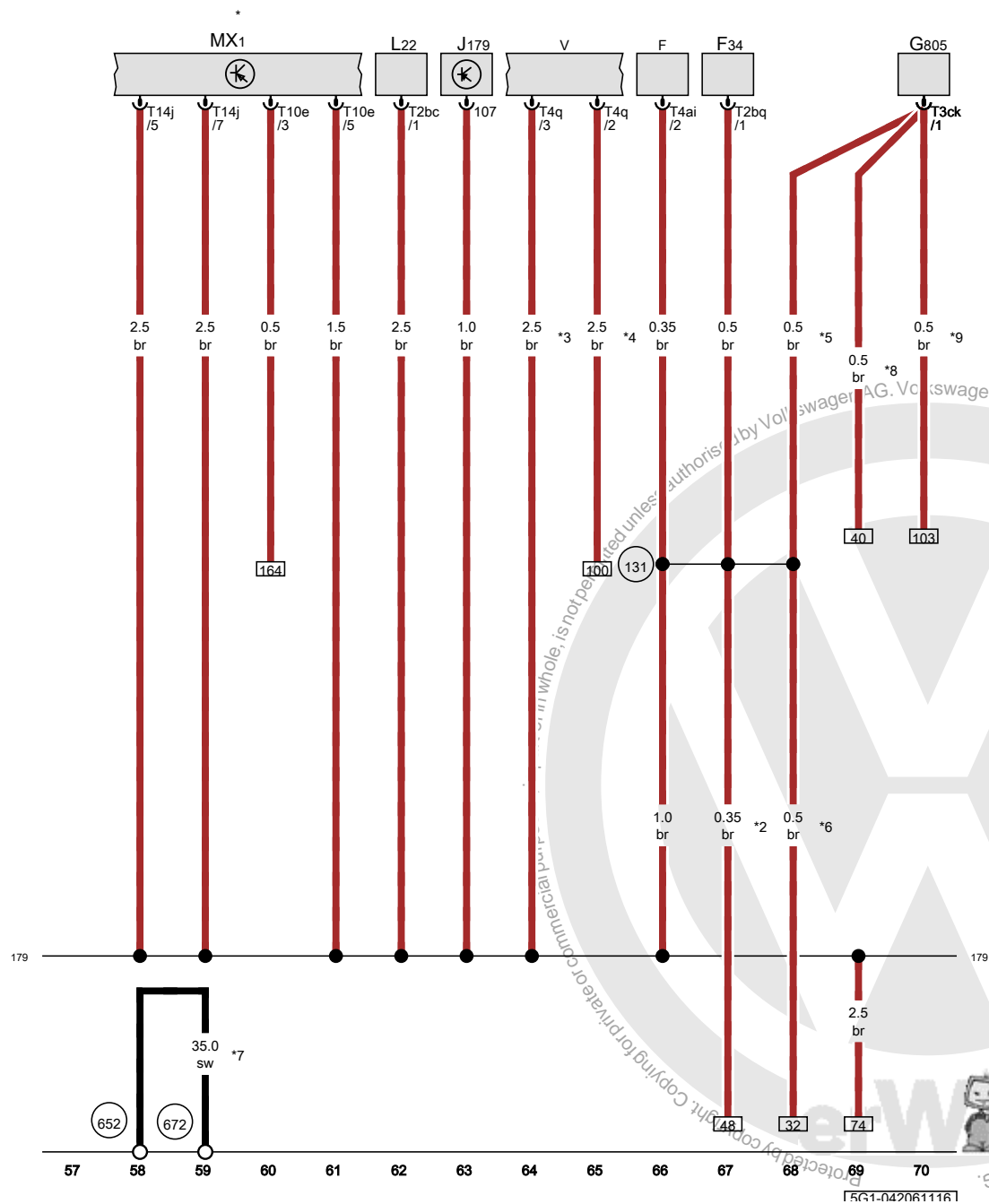
Earth connection 1, in front left wiring harness, Earth connection 1, in engine compartment wiring harness, Earth connection, in gearbox wiring harness, Earth connection, in automatic gearbox wiring harness, Earth connection, in left headlight wiring harness, Earth point 3, on front of left longitudinal member

- G266 Oil level and oil temperature sender
- H2 Treble horn
- J217 Automatic gearbox control unit
- J743 Mechatronic unit for dual clutch gearbox
- NX1 Gearbox
- T2am 2-pin connector
- T3cd 3-pin connector
- T3cg 3-pin connector
- T4cx 4-pin connector
- T10g 10-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T52 52-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- V488 Auxiliary pump for heating

- 82 Earth connection 1, in front left wiring harness
- 85 Earth connection 1, in engine compartment wiring harness
- 102 Earth connection, in gearbox wiring harness
- 114 Earth connection, in automatic gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member

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- vi = purple
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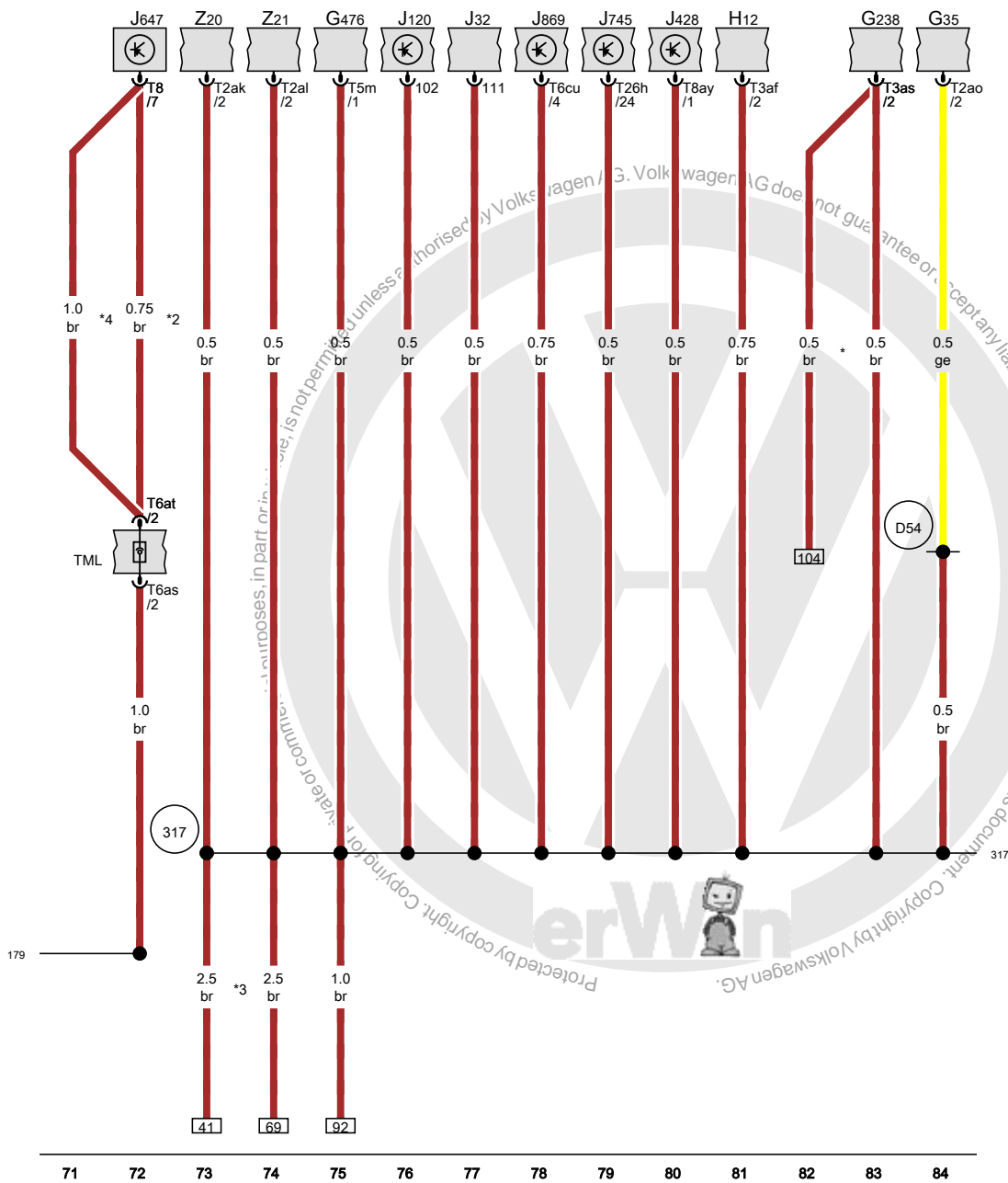
- * Pre-wired component
- *2 see applicable current flow diagram for dual clutch gearbox
- *3 see applicable current flow diagram for engine
- *4 Only models with hybrid drive system
- *5 From May 2013
- *6 Up to May 2013



Earth connection 2, in engine compartment wiring harness, Earth connection, in left headlight wiring harness, Earth point, engine and gearbox earth, Earth point 2, on front of left longitudinal member

- F Brake light switch
- F34 Brake fluid level warning contact
- G805 Pressure sender for refrigerant circuit
- J179 Automatic glow period control unit
- L22 Left fog light bulb
- MX1 Front left headlight
- T2bc 2-pin connector
- T2bq 2-pin connector
- T3ck 3-pin connector
- T4ai 4-pin connector
- T4q 4-pin connector
- T10e 10-pin connector
- T14j 14-pin connector
- V Windscreen wiper motor
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 652 Earth point, engine and gearbox earth
- 672 Earth point 2, on front of left longitudinal member
- * see applicable current flow diagram for headlights
- *2 see applicable current flow diagram for engine
- *3 Only left-hand drive models
- *4 Only right-hand drive models
- *5 Up to November 2014
- *6 see applicable current flow diagram
- *7 Cross section depends on equipment
- *8 Only models with hybrid drive system
- *9 From November 2014

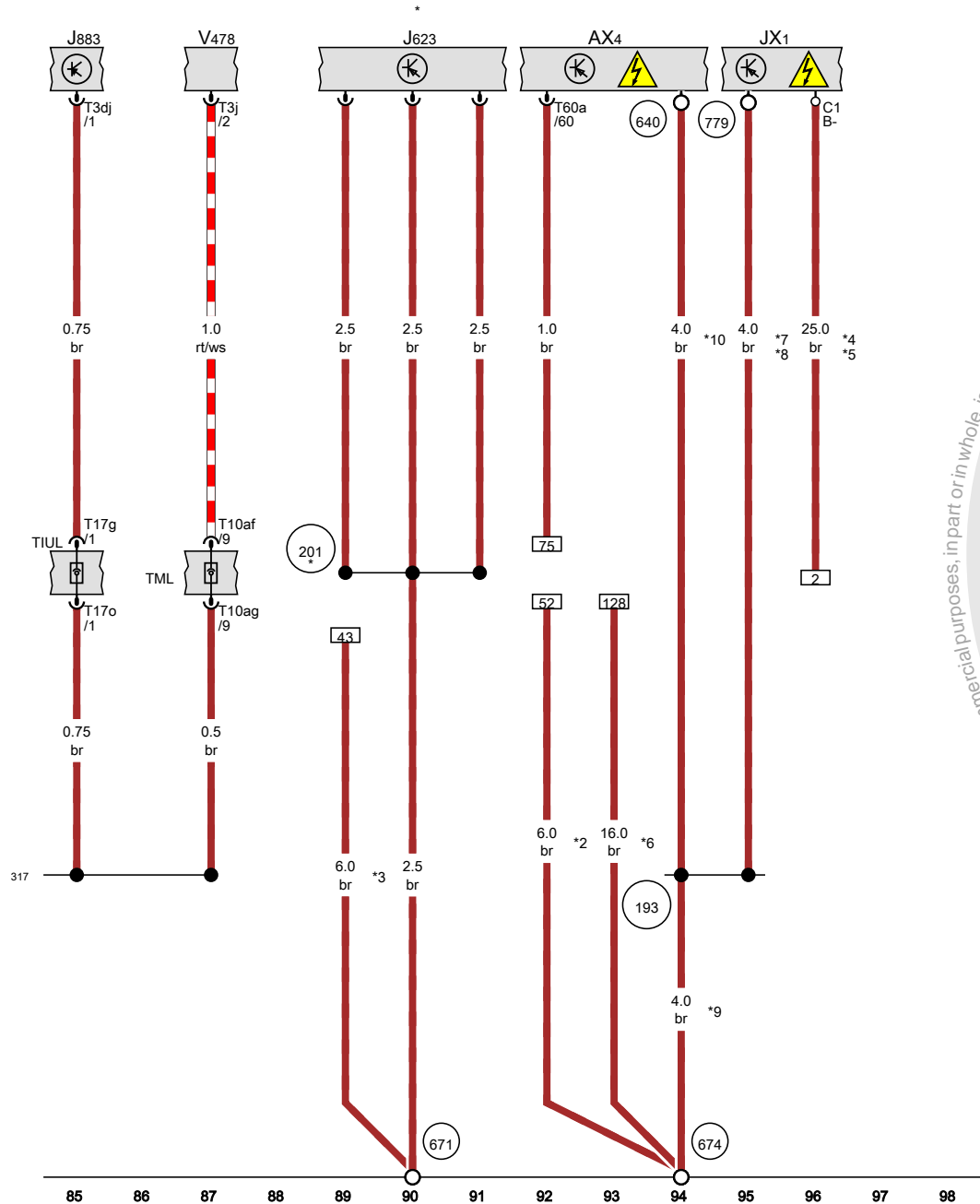
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
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Earth connection, in left headlight wiring harness, Earth connection 7, in engine compartment wiring harness, Connection (right brake wear indicator), in engine compartment wiring harness

- G35 Front right brake pad wear sender
- G238 Air quality sensor
- G476 Clutch position sender
- H12 Alarm horn
- J32 Air conditioning system relay, in E-box in engine compartment
- J120 Coolant shortage indicator control unit, in E-box in engine compartment
- J428 Adaptive cruise control unit
- J647 Axle differential lock control unit
- J745 Control unit for cornering light and headlight range control
- J869 Control unit for structure-borne sound
- T2ak 2-pin connector
- T2al 2-pin connector
- T2ao 2-pin connector
- T3af 3-pin connector
- T3as 3-pin connector
- T5m 5-pin connector
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T6cu 6-pin connector
- T8 8-pin connector
- T8ay 8-pin connector
- T26h 26-pin connector
- TML Coupling point in engine compartment, left
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D54 Connection (right brake wear indicator), in engine compartment wiring harness
- * Only models with hybrid drive system
- *2 Up to November 2015
- *3 According to equipment
- *4 From November 2015



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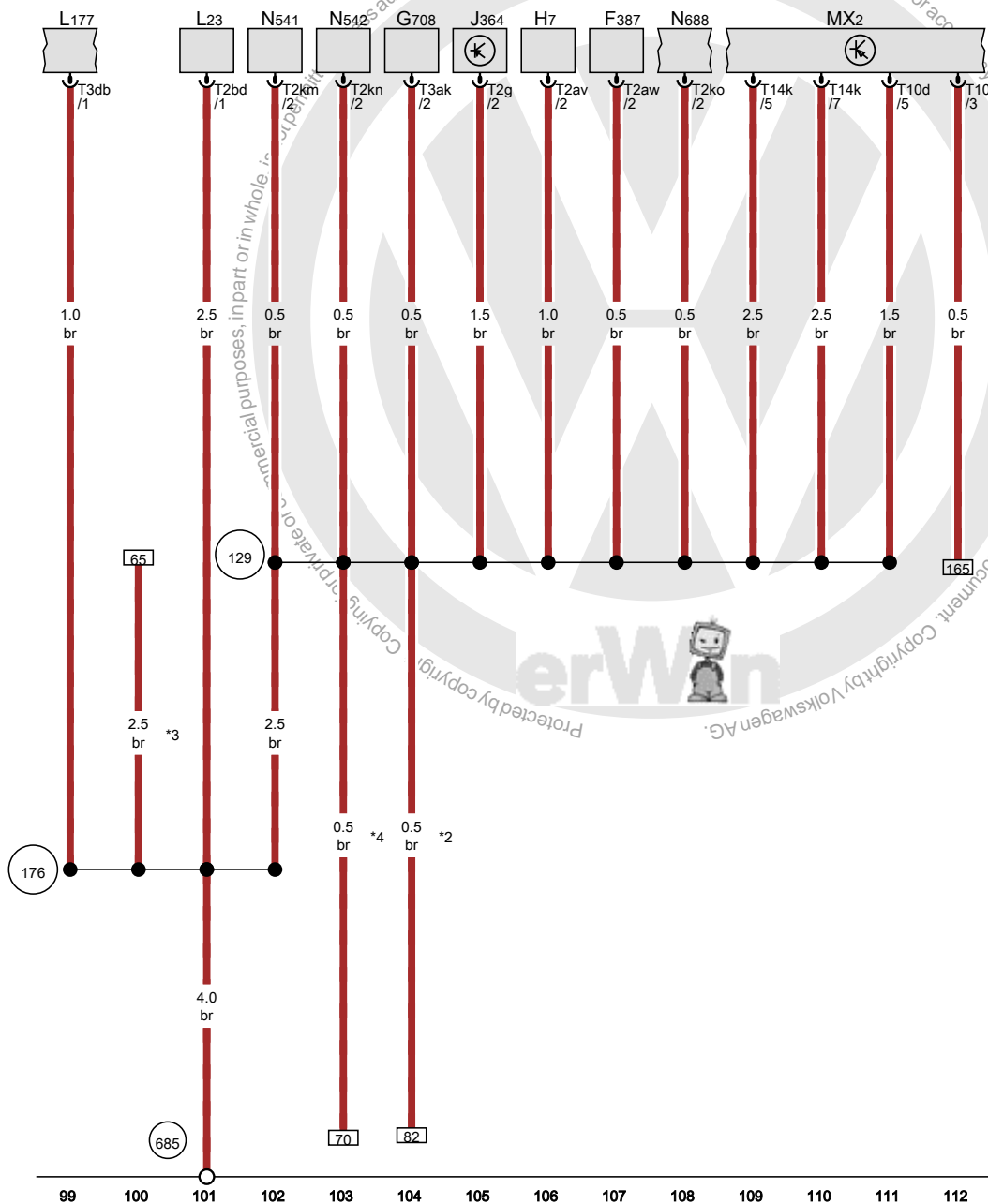
Earth connection 1, in coolant fan wiring harness, Earth connection 5, in engine compartment wiring harness, Earth connection 7, in engine compartment wiring harness, Earth point 2, left in engine compartment, Earth point 1, on front of left longitudinal member, Earth point 4, on front of left longitudinal member, Earth point 1 for power and control electronics for electric drive

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J623 Engine control unit
- J883 Exhaust flap control unit
- T3dj 3-pin connector
- T3j 3-pin connector
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T60a 60-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V478 Gearbox oil cooling pump

- 193 Earth connection 1, in coolant fan wiring harness
- 201 Earth connection 5, in engine compartment wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- 671 Earth point 1, on front of left longitudinal member
- 674 Earth point 4, on front of left longitudinal member, under left longitudinal member
- 779 Earth point 1 for power and control electronics for electric drive

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

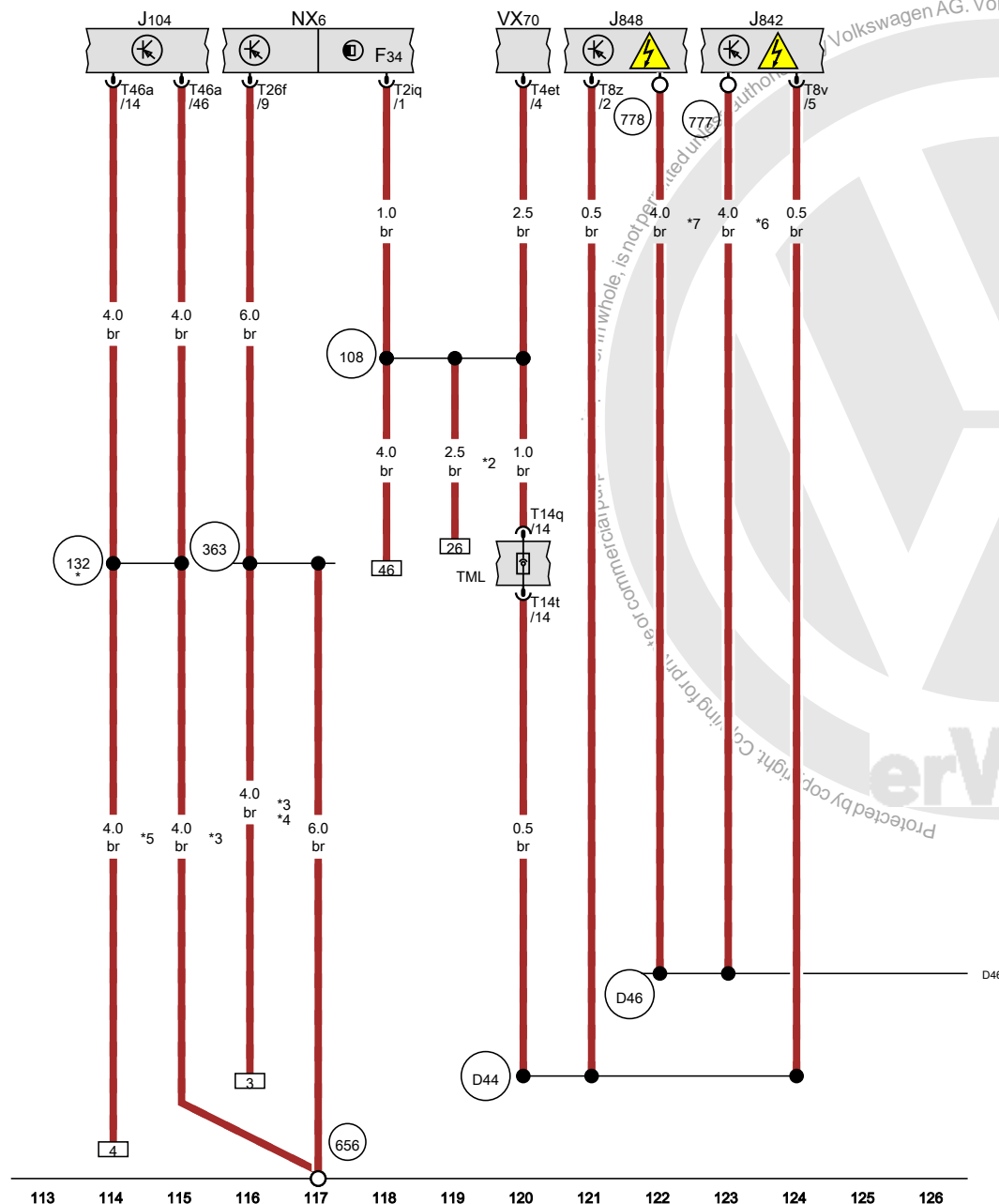
- * see applicable current flow diagram for engine
- *2 Only models with hybrid drive system
- *3 From May 2013
- *4 see applicable current flow diagram for high-voltage system
- *5 Potential equalisation line 2 for power and control electronics for electric drive (P66)
- *6 Potential equalisation line for three-phase current drive (P71)
- *7 Potential equalisation line for power and control electronics for electric drive (P65)
- *8 See Workshop Manual
- *9 Potential equalisation line (P77)
- *10 Potential equalisation line for charging unit 1 for high-voltage battery (P68)



Earth connection, in dual tone horn wiring harness, Earth connection, in right headlight wiring harness, Earth point 1, on front of right longitudinal member

- F387 Bonnet contact switch
- G708 Ethanol concentration sender
- H7 Bass horn
- J364 Auxiliary heater control unit
- L23 Right fog light bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- N541 Refrigerant shut-off valve for heater and air conditioner unit
- N542 Refrigerant shut-off valve for high-voltage battery heat exchanger
- N688 Coolant valve for high-voltage battery
- T2av 2-pin connector
- T2aw 2-pin connector
- T2bd 2-pin connector
- T2g 2-pin connector
- T2km 2-pin connector
- T2kn 2-pin connector
- T2ko 2-pin connector
- T3ak 3-pin connector
- T3db 3-pin connector
- T10d 10-pin connector, black
- T14k 14-pin connector
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- * see applicable current flow diagram for headlights
- *2 Only models with hybrid drive system
- *3 Only right-hand drive models
- *4 From November 2014

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Earth connection 2, in front left wiring harness, Earth connection 3, in engine compartment wiring harness, Earth connection 8, in engine compartment wiring harness, Earth point, on right headlight, Earth point for air conditioner compressor, Earth point for high-voltage heater (PTC), Connection 6, in engine prewiring harness, Connection 8, in engine prewiring harness

- F34 Brake fluid level warning contact
- J104 ABS control unit
- J842 Control unit for air conditioning compressor
- J848 High-voltage heater (PTC) control unit
- NX6 Brake servo
- T2iq 2-pin connector
- T4et 4-pin connector
- T8v 8-pin connector
- T8z 8-pin connector
- T14q 14-pin connector, black
- T14t 14-pin connector, black
- T26f 26-pin connector
- T46a 46-pin connector
- TML Coupling point in engine compartment, left
- VX70 Brake system pressure accumulator

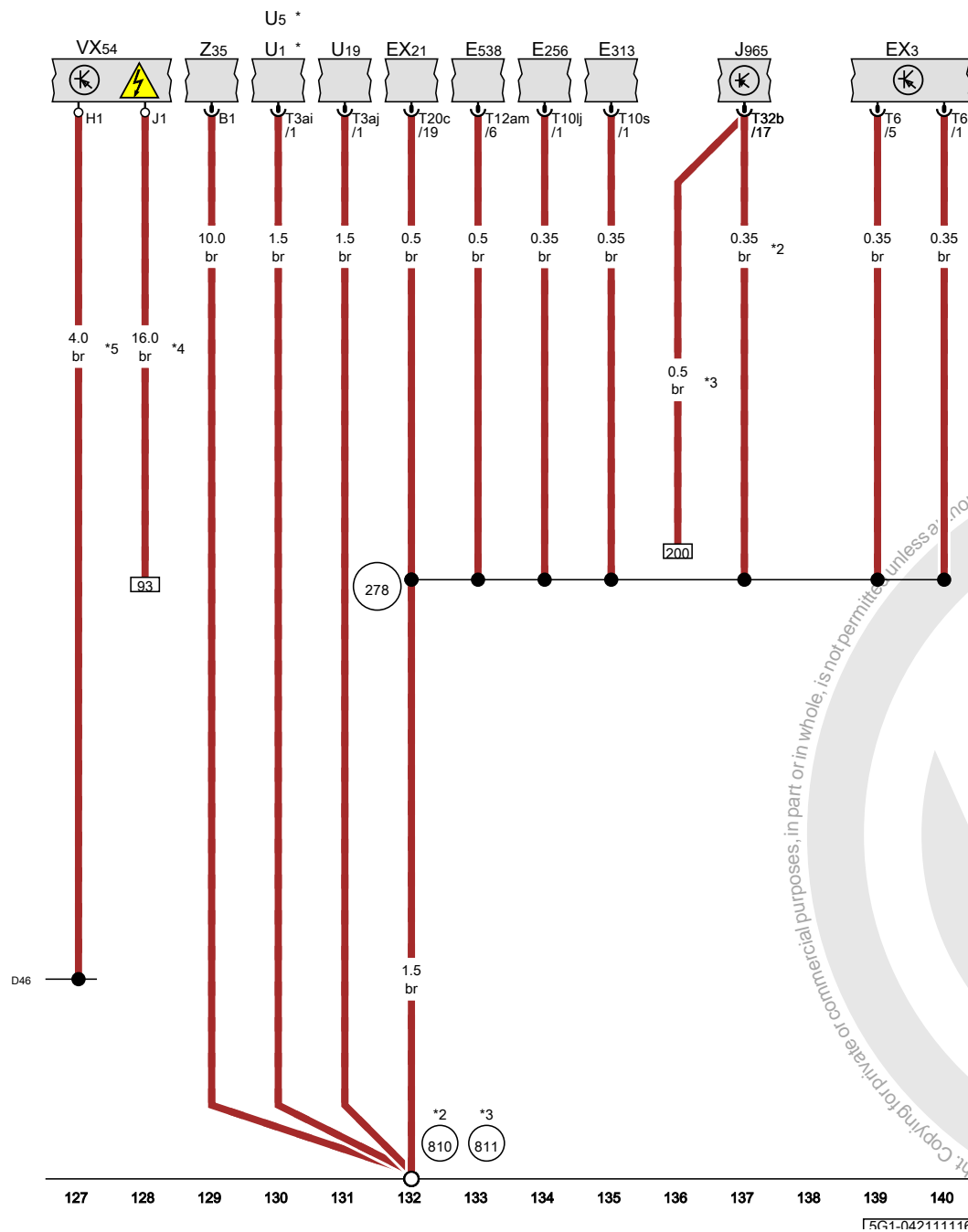
- 108 Earth connection 2, in front left wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 363 Earth connection 8, in engine compartment wiring harness
- 656 Earth point, on right headlight
- 777 Earth point for air conditioner compressor
- 778 Earth point for high-voltage heater (PTC)
- D44 Connection 6, in engine prewiring harness
- D46 Connection 8, in engine prewiring harness
- * see applicable current flow diagram for ABS
- *2 Only models with hybrid drive system
- *3 Only left-hand drive models
- *4 see applicable current flow diagram for high-voltage system
- *5 Only right-hand drive models

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ws = white

- | | | | | |
|----|---|--------|----|--|
| sw | = | black | *6 | Potential equalisation line for control unit for air conditioning compressor (P82) |
| ro | = | red | | |
| rt | = | red | *7 | Potential equalisation line for high-voltage heater (PTC) (P84) |
| br | = | brown | | |
| gn | = | green | | |
| bl | = | blue | | |
| gr | = | grey | | |
| li | = | purple | | |
| vi | = | purple | | |
| ge | = | yellow | | |
| or | = | orange | | |
| rs | = | pink | | |



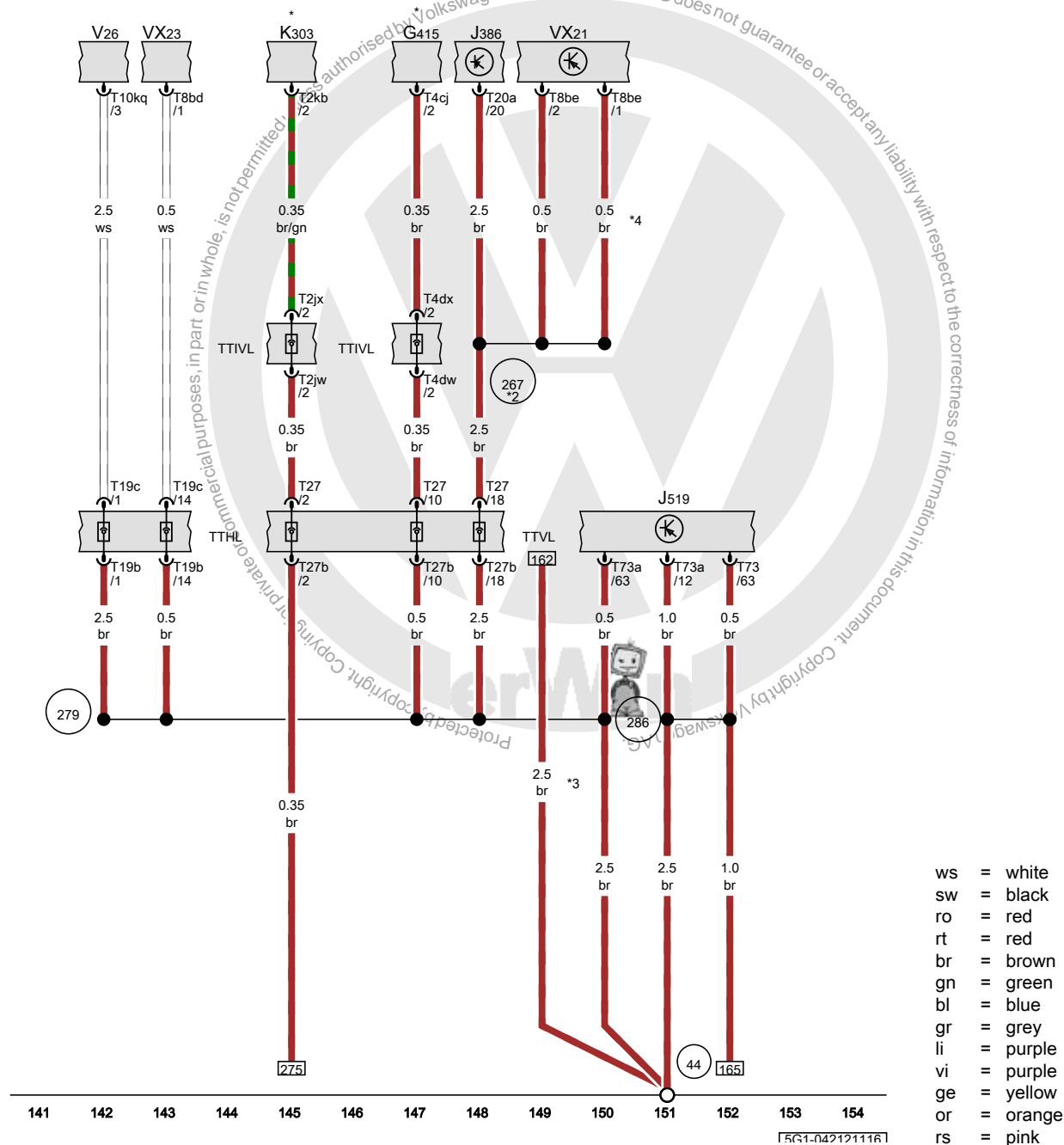


Earth connection 4, in interior wiring harness, Earth point on central tube for dash panel, centre left, Connection 8, in engine prewiring harness

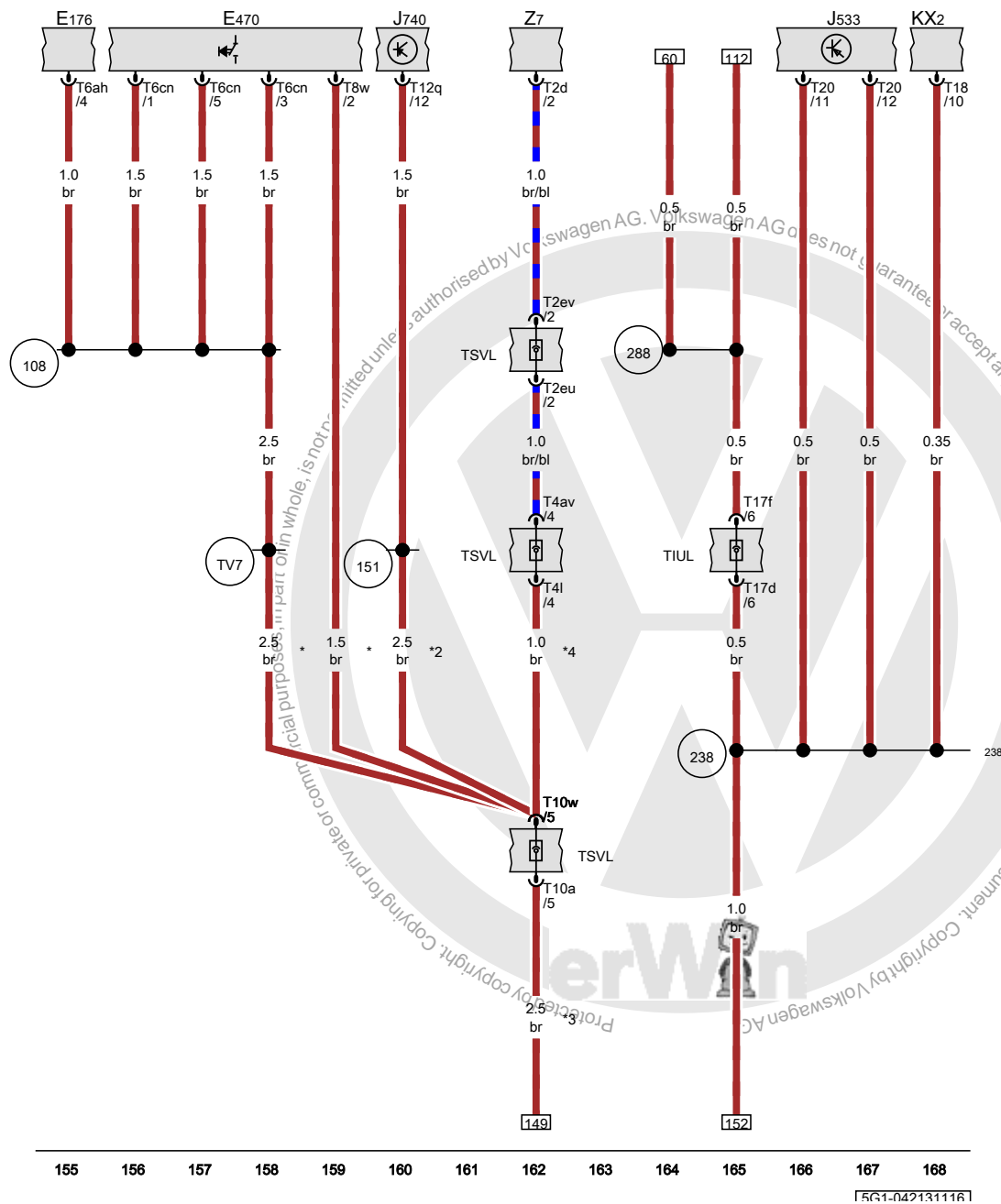
- EX3 Hazard warning light switch
- EX21 Heater and air conditioning controls
- E256 Button for TCS and electronic stabilisation program
- E313 Selector lever
- E538 Electromechanical parking brake button
- J965 Interface for entry and start system
- T3ai 3-pin connector
- T3aj 3-pin connector
- T6 6-pin connector
- T10lj 10-pin connector
- T10s 10-pin connector
- T12am 12-pin connector
- T20c 20-pin connector
- T32b 32-pin connector
- U1 Cigarette lighter
- U5 12-V socket
- U19 12 V socket 3
- VX54 Three-phase current drive
- Z35 Auxiliary air heater element
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- D46 Connection 8, in engine prewiring harness
- * According to equipment
- *2 Only left-hand drive models
- *3 Only right-hand drive models
- *4 Potential equalisation line for three-phase current drive (P71)
- *5 Potential equalisation line 2 for three-phase current drive (P72)

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 rt = red
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Earth point, lower part of left A-pillar, Earth connection 2, in drive side door wiring harness, Earth connection 5, in interior wiring harness, Earth connection 8, in interior wiring harness



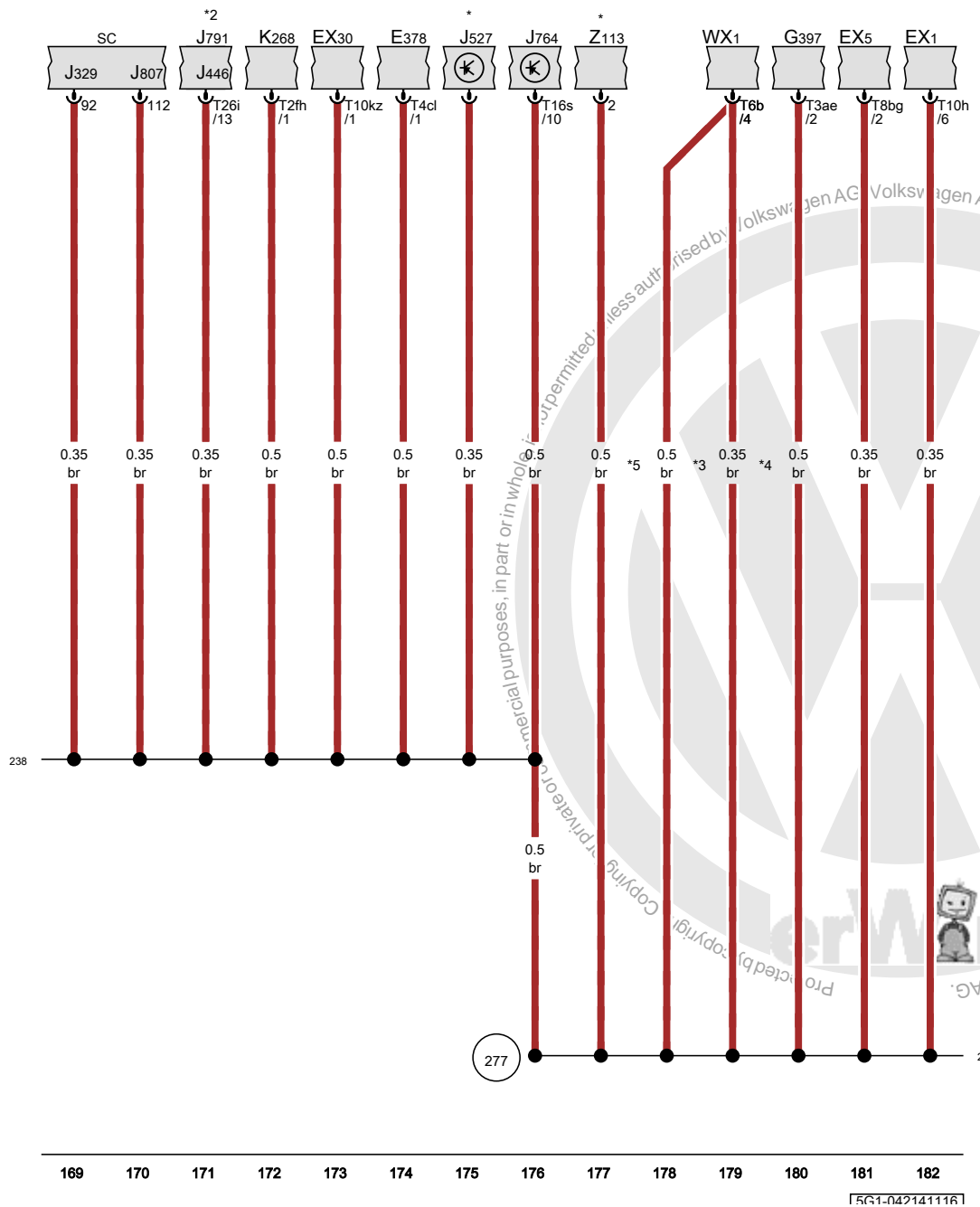
- G415 Driver door exterior handle contact sensor
 - J386 Driver door control unit
 - J519 Onboard supply control unit
 - K303 Blind Spot Monitor warning lamp in left exterior mirror
 - T2jw 2-pin connector, black
 - T2jx 2-pin connector, black
 - T2kb 2-pin connector, black
 - T4cj 4-pin connector
 - T4dw 4-pin connector
 - T4dx 4-pin connector
 - T8bd 8-pin connector
 - T8be 8-pin connector
 - T10kq 10-pin connector
 - T19b 19-pin connector, black
 - T19c 19-pin connector, black
 - T20a 20-pin connector
 - T27 27-pin connector, black
 - T27b 27-pin connector, black
 - T73 73-pin connector
 - T73a 73-pin connector
 - TTHL Coupling point for rear left door
 - TTIVL Coupling point in front left door
 - TTVL Coupling point for front left door
 - VX21 Driver door lock unit
 - VX23 Rear left door lock unit
 - V26 Rear left window regulator motor
- 44 Earth point, lower part of left A-pillar
 - 267 Earth connection 2, in drive side door wiring harness
 - 279 Earth connection 5, in interior wiring harness
 - 286 Earth connection 8, in interior wiring harness
- * Pre-wired component
 - *2 see applicable current flow diagram for convenience system
 - *3 Cross section depends on equipment
 - *4 Only right-hand drive models



Earth connection 2, in front left wiring harness, Earth connection 1, in front wiring harness, Earth connection 1, in interior wiring harness, Earth connection (HRC), in dash panel wiring harness, Terminal 31 wiring junction

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- J533 Data bus diagnostic interface
- J740 Massage control unit
- KX2 Dash panel insert
- T2d 2-pin connector
- T2eu 2-pin connector
- T2ev 2-pin connector
- T4av 4-pin connector
- T4I 4-pin connector
- T6ah 6-pin connector
- T6cn 6-pin connector
- T8w 8-pin connector
- T10a 10-pin connector, black
- T10w 10-pin connector, black
- T12q 12-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T18 18-pin connector
- T20 20-pin connector
- TIUL Coupling point in interior, below left
- TSVL Coupling point for front left seat
- Z7 Heated backrest for driver seat
- 108 Earth connection 2, in front left wiring harness
- 151 Earth connection 1, in front wiring harness
- 238 Earth connection 1, in interior wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- TV7 Terminal 31 wiring junction
- * see applicable current flow diagram
- *2 see applicable current flow diagram for driver seat
- *3 Cross section depends on equipment
- *4 see applicable current flow diagram for seat heating

ws = white
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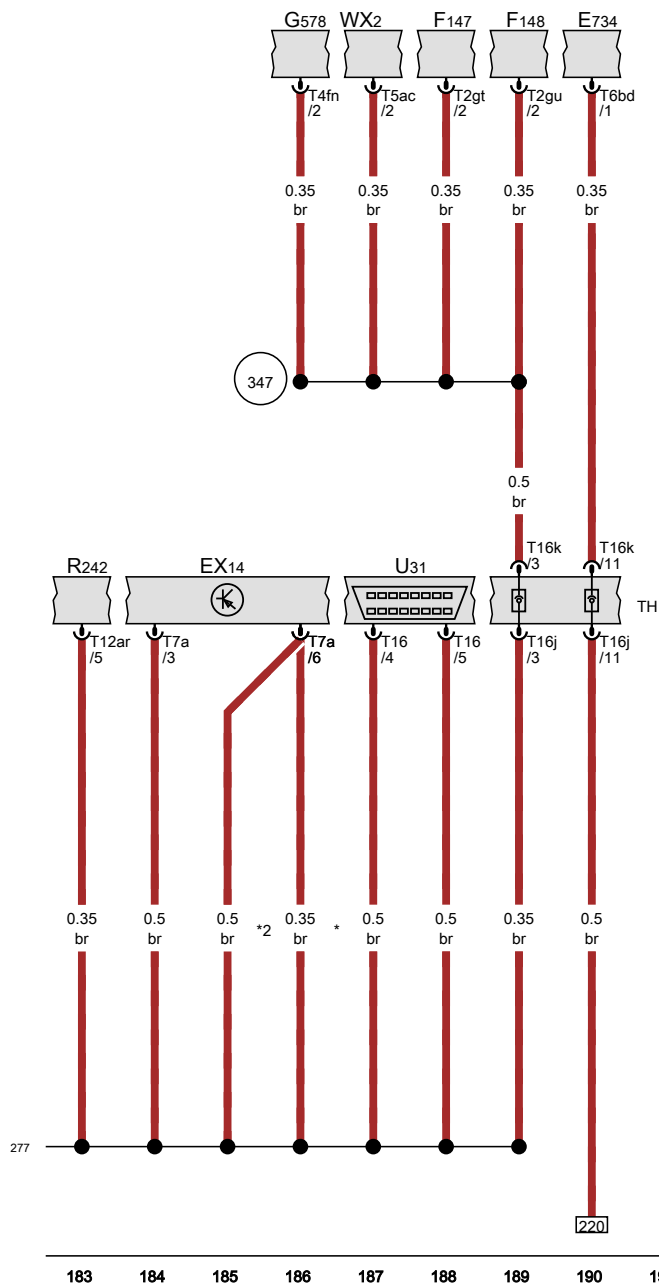
Earth connection 1, in interior wiring harness, Earth connection 3, in interior wiring harness

- EX1 Rotary light switch
- EX5 Interior mirror
- EX30 Switch module 2 in centre console
- E378 Starter button
- G397 Rain and light sensor
- J329 Terminal 15 voltage supply relay
- J446 Parking aid control unit
- J527 Steering column electronics control unit
- J764 Control unit for electronic steering column lock
- J791 Park assist steering control unit
- J807 Relay for power sockets
- K268 Front left footwell light
- SC Fuse holder C
- T2fh 2-pin connector
- T3ae 3-pin connector
- T4cl 4-pin connector
- T6b 6-pin connector
- T8bg 8-pin connector
- T10h 10-pin connector
- T10kz 10-pin connector
- T16s 16-pin connector
- T26i 26-pin connector
- WX1 Front interior light
- Z113 Windscreen heater for front sensors

238 Earth connection 1, in interior wiring harness

277 Earth connection 3, in interior wiring harness

- * see applicable current flow diagram
- *2 According to equipment
- *3 From May 2014
- *4 Up to May 2014
- *5 Up to May 2016



Earth connection 3, in interior wiring harness, Earth connection, in roof wiring harness

- EX14 Headlight range control and instrument illumination regulator
- E734 Telematics button module
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- G578 Anti-theft alarm sensor
- R242 Front camera for driver assist systems
- T2gt 2-pin connector
- T2gu 2-pin connector
- T4fn 4-pin connector
- T5ac 5-pin connector
- T6bd 6-pin connector
- T7a 7-pin connector
- T12ar 12-pin connector
- T16 16-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- TH Coupling point for roof
- U31 Diagnostic connection
- WX2 Rear interior light

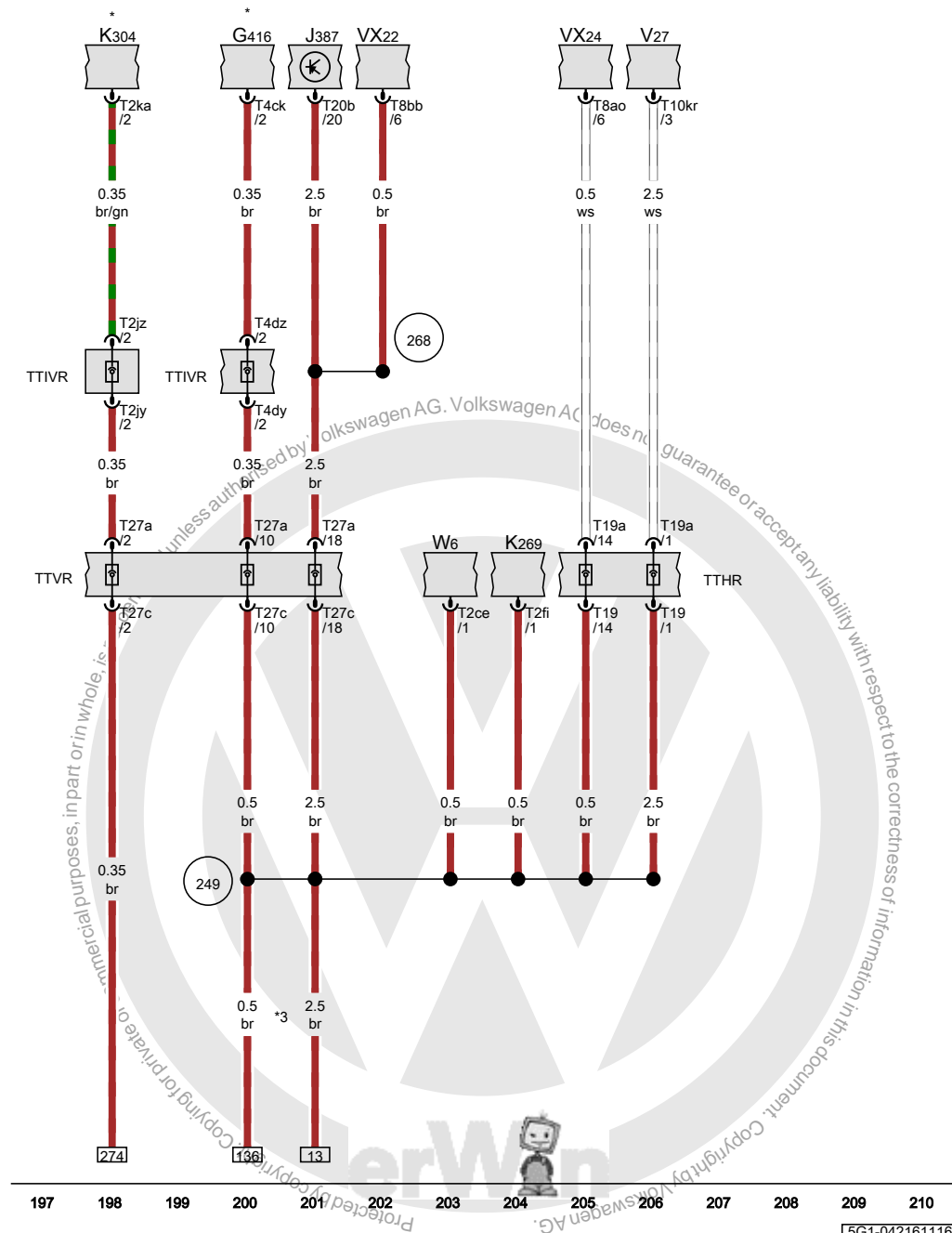
277 Earth connection 3, in interior wiring harness

347 Earth connection, in roof wiring harness

* Up to November 2015
*2 From November 2015

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Earth connection 2, in interior wiring harness, Earth connection 2, in front passenger side door wiring harness



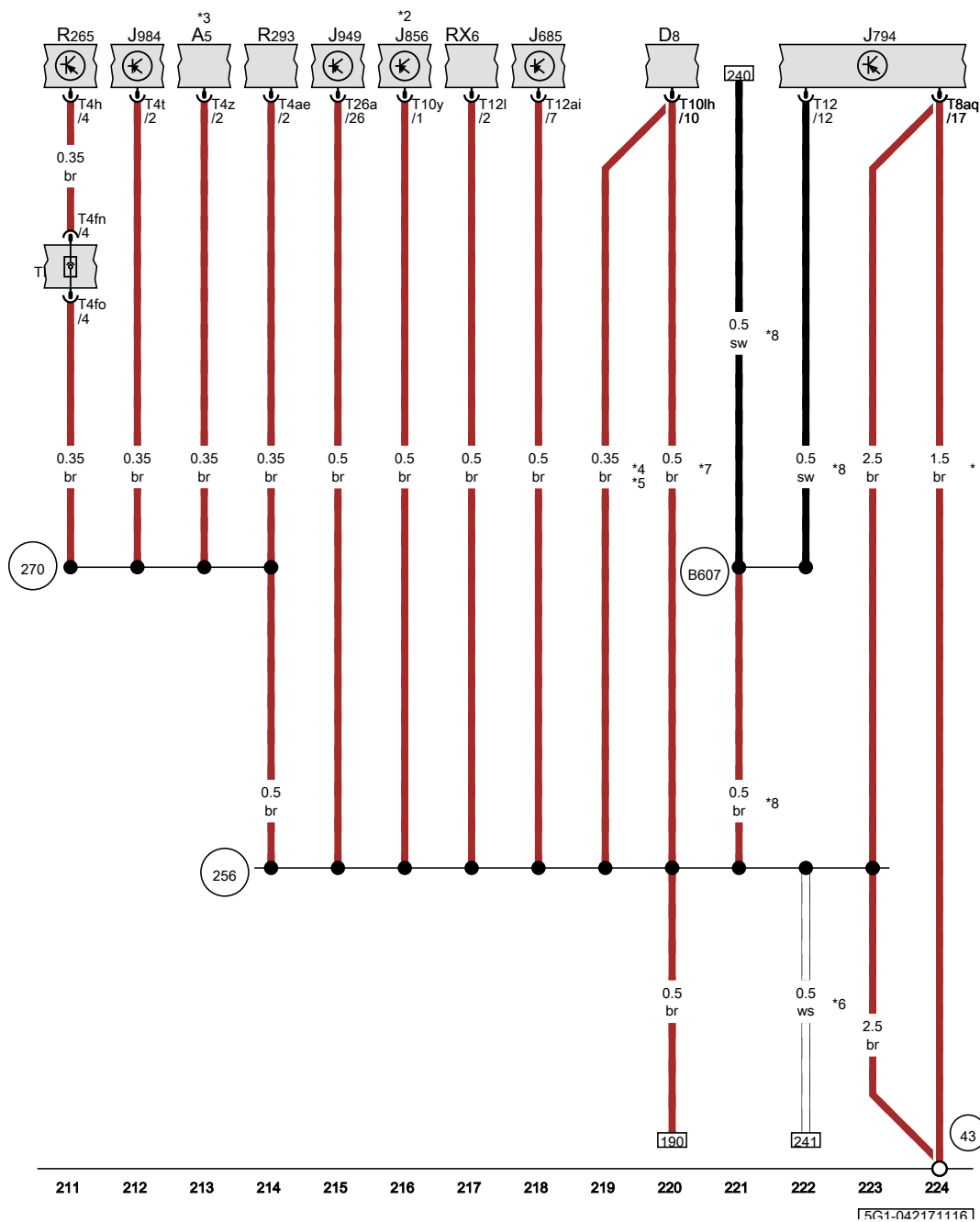
- G416 Front passenger door exterior handle contact sensor
- J387 Front passenger door control unit
- K269 Front right footwell light
- K304 Blind Spot Monitor warning lamp in right exterior mirror
- T2ce 2-pin connector
- T2fi 2-pin connector
- T2jy 2-pin connector, black
- T2jz 2-pin connector, black
- T2ka 2-pin connector, black
- T4ck 4-pin connector
- T4dy 4-pin connector
- T4dz 4-pin connector
- T8ao 8-pin connector
- T8bb 8-pin connector
- T10kr 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- TTHR Coupling point for rear right door
- TTIVR Coupling point in front right door
- TTVR Coupling point for front right door
- VX22 Front passenger door lock unit
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- W6 Glove compartment light

249 Earth connection 2, in interior wiring harness

268 Earth connection 2, in front passenger side door wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



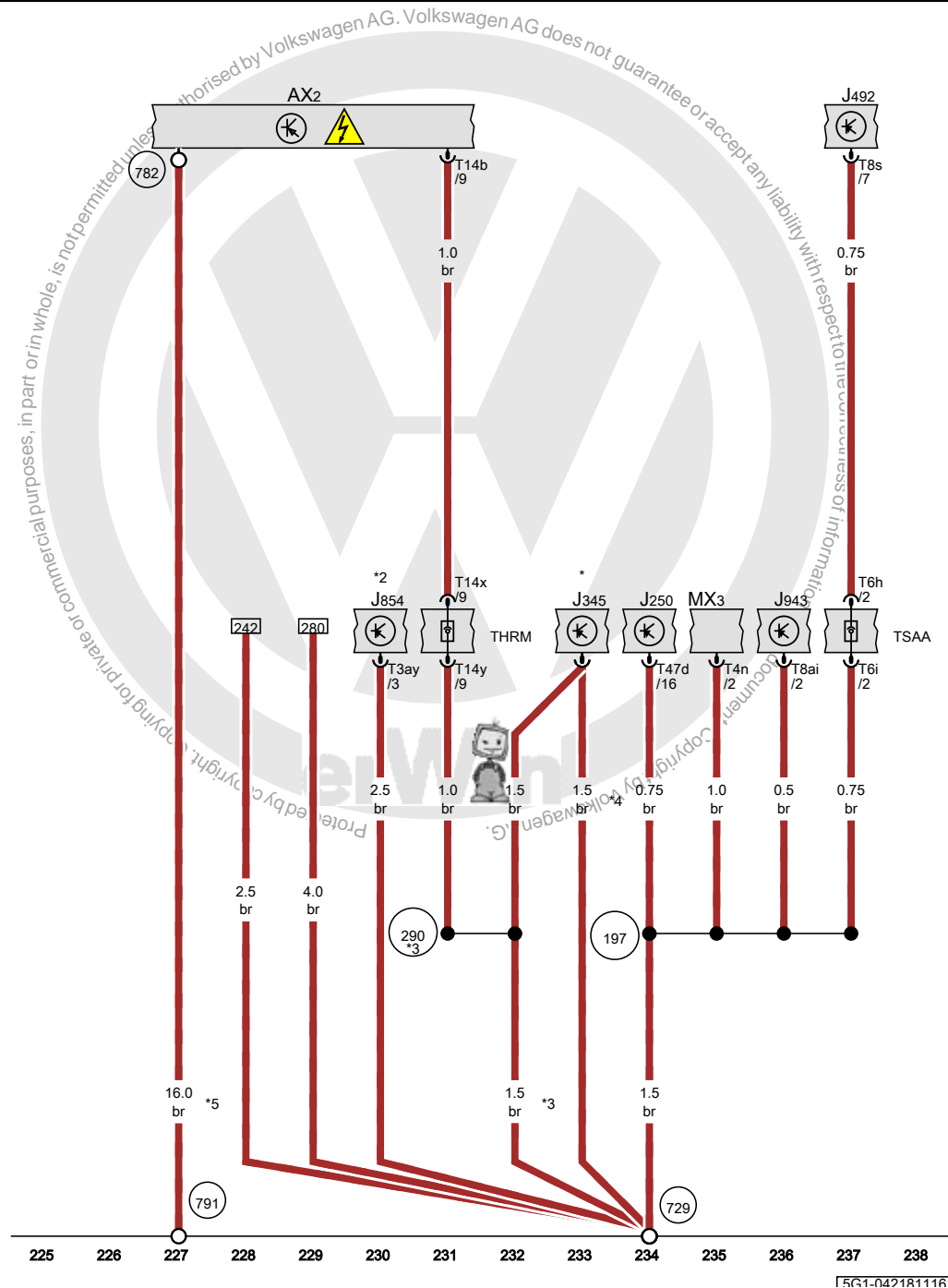
Earth point, lower part of right A-pillar, Earth connection 2, in radio wiring harness

- A5 Voltage converter for USB charge module, under centre console
- D8 Chip card reader
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J856 Control unit for navigation system
- J949 Emergency call module control unit and communication unit
- J984 Two-way signal amplifier for mobile telephone/data services
- RX6 TV tuner
- R265 Storage compartment with interface for mobile telephone, in centre console
- R293 USB hub, under centre console
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4h 4-pin connector
- T4t 4-pin connector
- T4z 4-pin connector
- T8aq 8-pin connector, black
- T10lh 10-pin connector
- T10y 10-pin connector
- T12 12-pin connector
- T12ai 12-pin connector
- T12l 12-pin connector, black
- T26a 26-pin connector
- TI Coupling point in interior

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- 270 Earth connection, in telephone wiring harness
- B607 Connection 3, in interior wiring harness

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- * According to equipment
- *2 Only models with equipment for Korea
- *3 Up to November 2015
- *4 Not for models with equipment for Korea
- *5 From November 2014
- *6 Up to May 2013
- *7 Only models with equipment for Japan
- *8 From May 2013



Earth connection 4, in rear wiring harness, Earth connection 1, in second battery wiring harness, Earth point, on left rear wheel housing, Earth point 1, on high-voltage battery

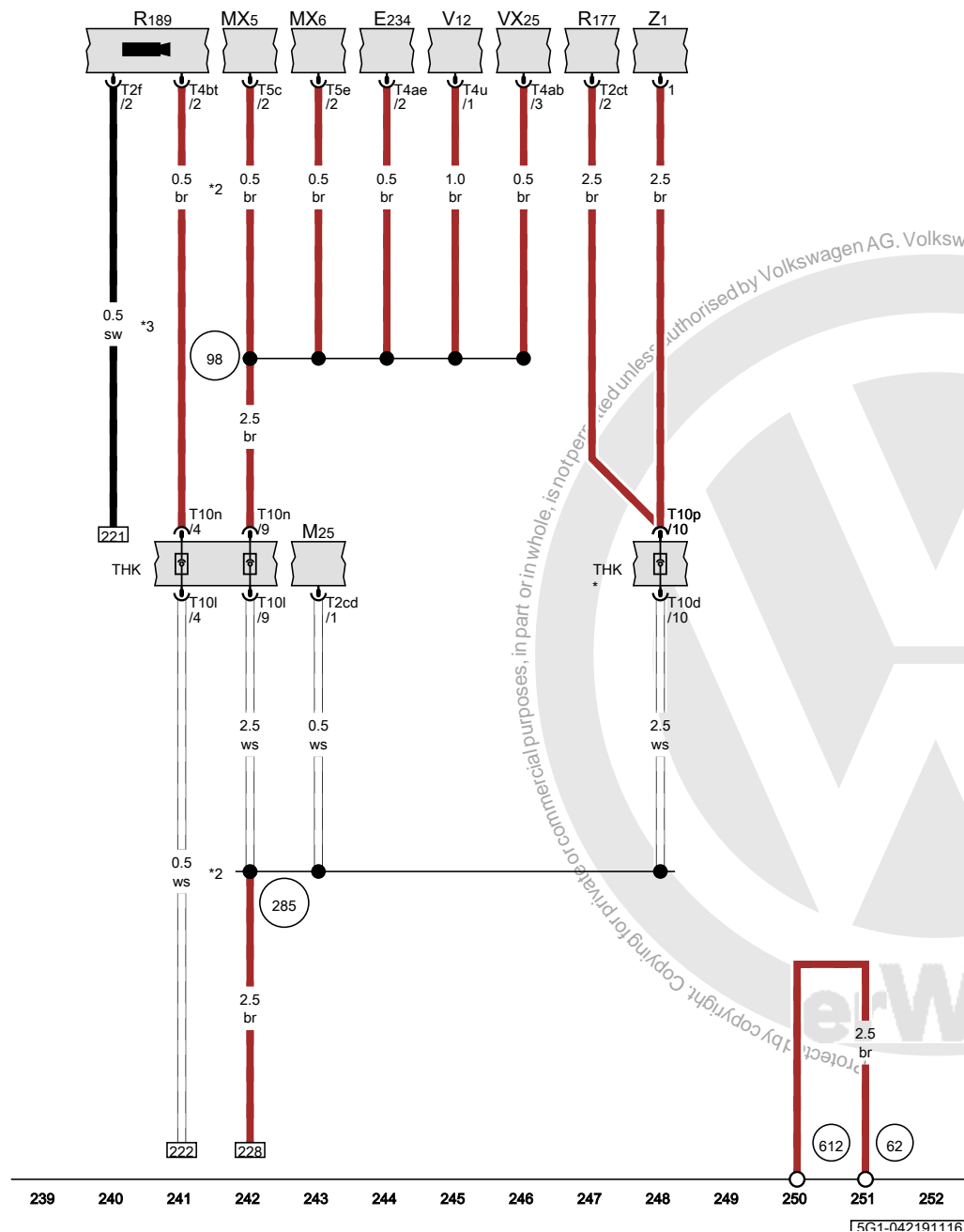
- AX2 High-voltage battery 1
- J250 Electronically controlled damping control unit
- J345 Trailer detector control unit
- J492 All-wheel drive control unit
- J854 Control unit for front left belt tensioner
- J943 Engine sound generator control unit
- MX3 Left tail light
- T3ay 3-pin connector
- T4n 4-pin connector
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8ai 8-pin connector
- T8s 8-pin connector
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T47d 47-pin connector
- THRM Coupling point in luggage compartment, centre
- TSAA Coupling point for all-wheel drive

- 197 Earth connection 4, in rear wiring harness
- 290 Earth connection 1, in second battery wiring harness
- 729 Earth point, on left rear wheel housing
- 782 Earth point 1, on high-voltage battery
- 791 Earth point, on rear right of underbody

- * see applicable current flow diagram for towing bracket
- *2 see applicable current flow diagram for airbag
- *3 Only models with hybrid drive system
- *4 Only models with no hybrid drive system
- *5 Potential equalisation line for high-voltage battery 1 (P73)

ws = white
 sw = black
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 gr = grey
 li = purple
 vi = purple
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Earth connection, in rear lid wiring harness, Earth connection 7, in interior wiring harness, Earth point, centre on rear lid



- E234 Rear lid handle release button
- MX5 Left tail light 2
- MX6 Right tail light 2
- M25 High-level brake light bulb
- R177 Amplitude modulation (AM) frequency filter
- R189 Reversing camera
- T2cd 2-pin connector
- T2ct 2-pin connector
- T2f 2-pin connector
- T4ab 4-pin connector
- T4ae 4-pin connector
- T4bt 4-pin connector
- T4u 4-pin connector
- T5c 5-pin connector
- T5e 5-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- VX25 Rear lid lock unit
- Z1 Heated rear window

- 62 Earth point, right C-pillar
- 98 Earth connection, in rear lid wiring harness
- 285 Earth connection 7, in interior wiring harness
- 612 Earth point, centre on rear lid

- * see applicable current flow diagram
- *2 Up to May 2013
- *3 From May 2013

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- vi = purple
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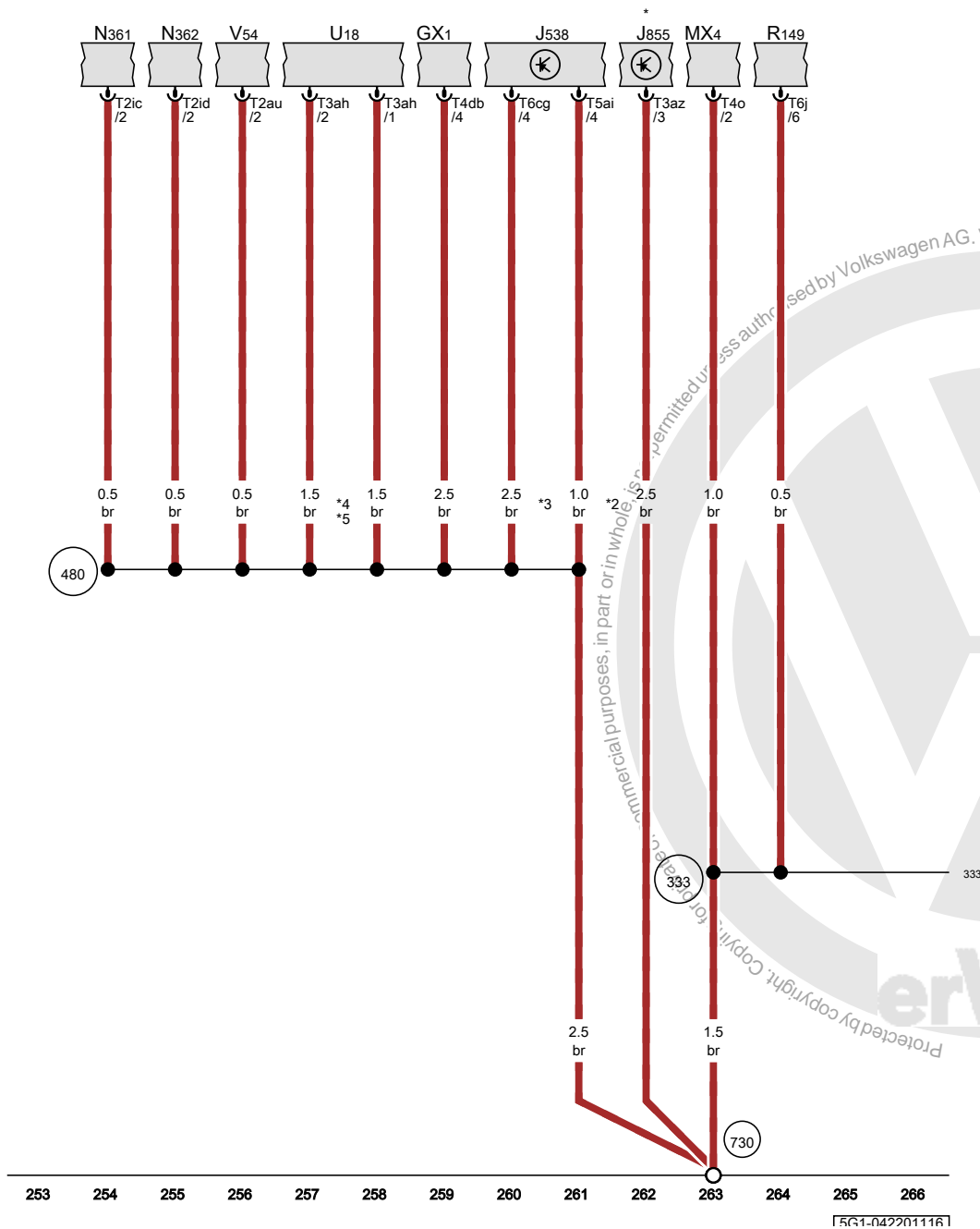
Earth connection 5, in rear wiring harness, Earth connection, in fuel tank wiring harness, Earth point 1, on right rear wheel housing

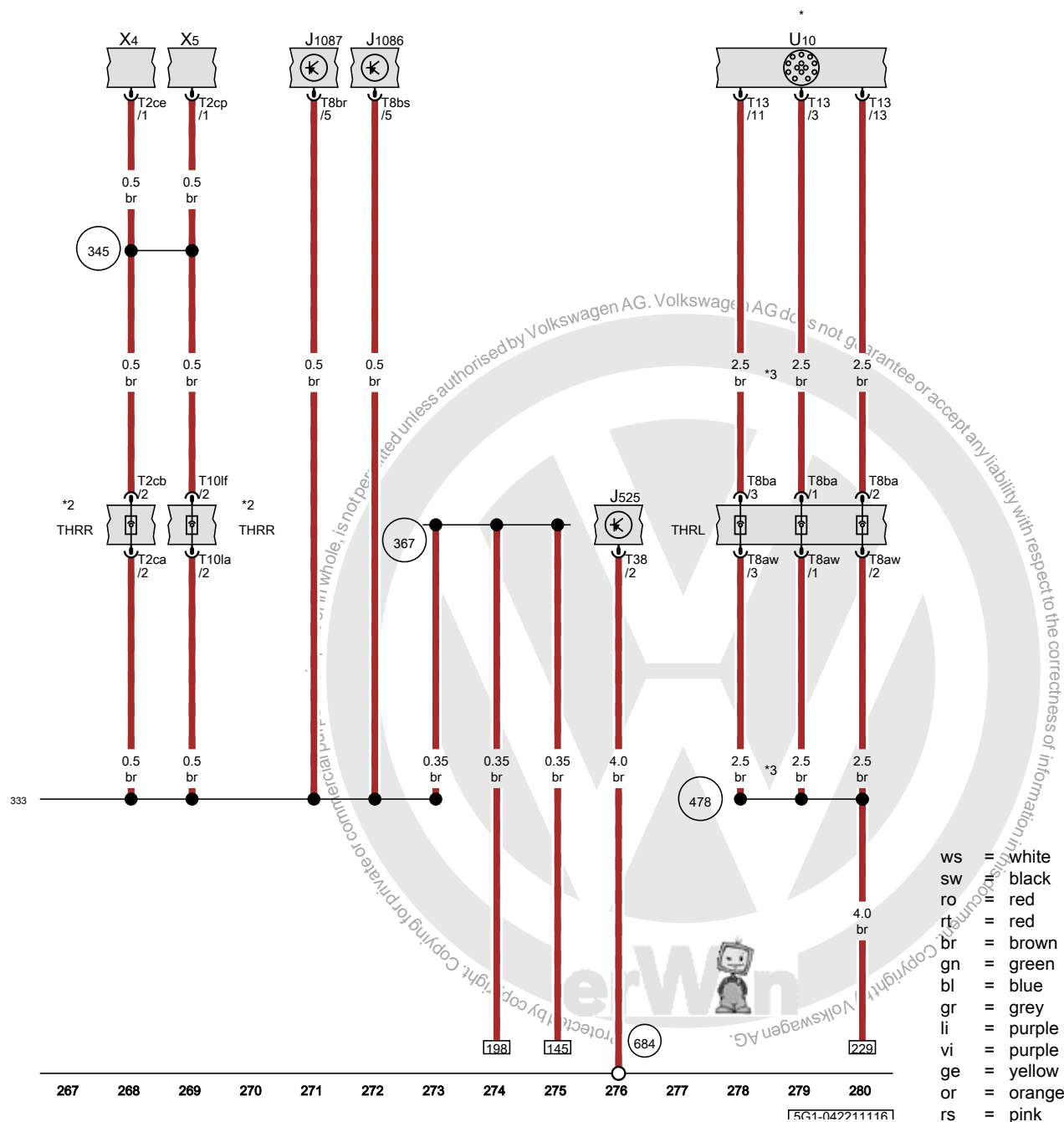
- GX1 Fuel delivery unit
- J538 Fuel pump control unit
- J855 Control unit for front right belt tensioner
- MX4 Right tail light
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- R149 Remote control receiver for auxiliary coolant heater
- T2au 2-pin connector
- T2ic 2-pin connector
- T2id 2-pin connector
- T3ah 3-pin connector
- T3az 3-pin connector
- T4db 4-pin connector
- T4o 4-pin connector
- T5ai 5-pin connector
- T6cg 6-pin connector
- T6j 6-pin connector
- U18 12 V socket 2
- V54 Metering pump

- 333 Earth connection 5, in rear wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing

- * see applicable current flow diagram for airbag
- *2 Only models with petrol engine
- *3 Only models with diesel engine
- *4 From November 2014
- *5 Only for American markets

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Earth connection 5, in rear wiring harness, Earth connection, in bumper wiring harness, Earth connection 3, in rear lid wiring harness

- J525 Digital sound package control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- T2ca 2-pin connector, black
- T2cb 2-pin connector, black
- T2ce 2-pin connector
- T2cp 2-pin connector
- T8aw 8-pin connector, black
- T8ba 8-pin connector, black
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T13 13-pin connector
- T38 38-pin connector
- THRL Coupling point in luggage compartment, left
- THRR Coupling point in luggage compartment, right
- U10 Trailer socket
- X4 Left number plate light
- X5 Right number plate light

- 333 Earth connection 5, in rear wiring harness
- 345 Earth connection, in bumper wiring harness
- 367 Earth connection 2, in main wiring harness
- 478 Earth connection 3, in rear lid wiring harness
- 684 Earth point on front of left side member

- * see applicable current flow diagram for towing bracket
- *2 According to equipment
- *3 From May 2014

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- vi = purple
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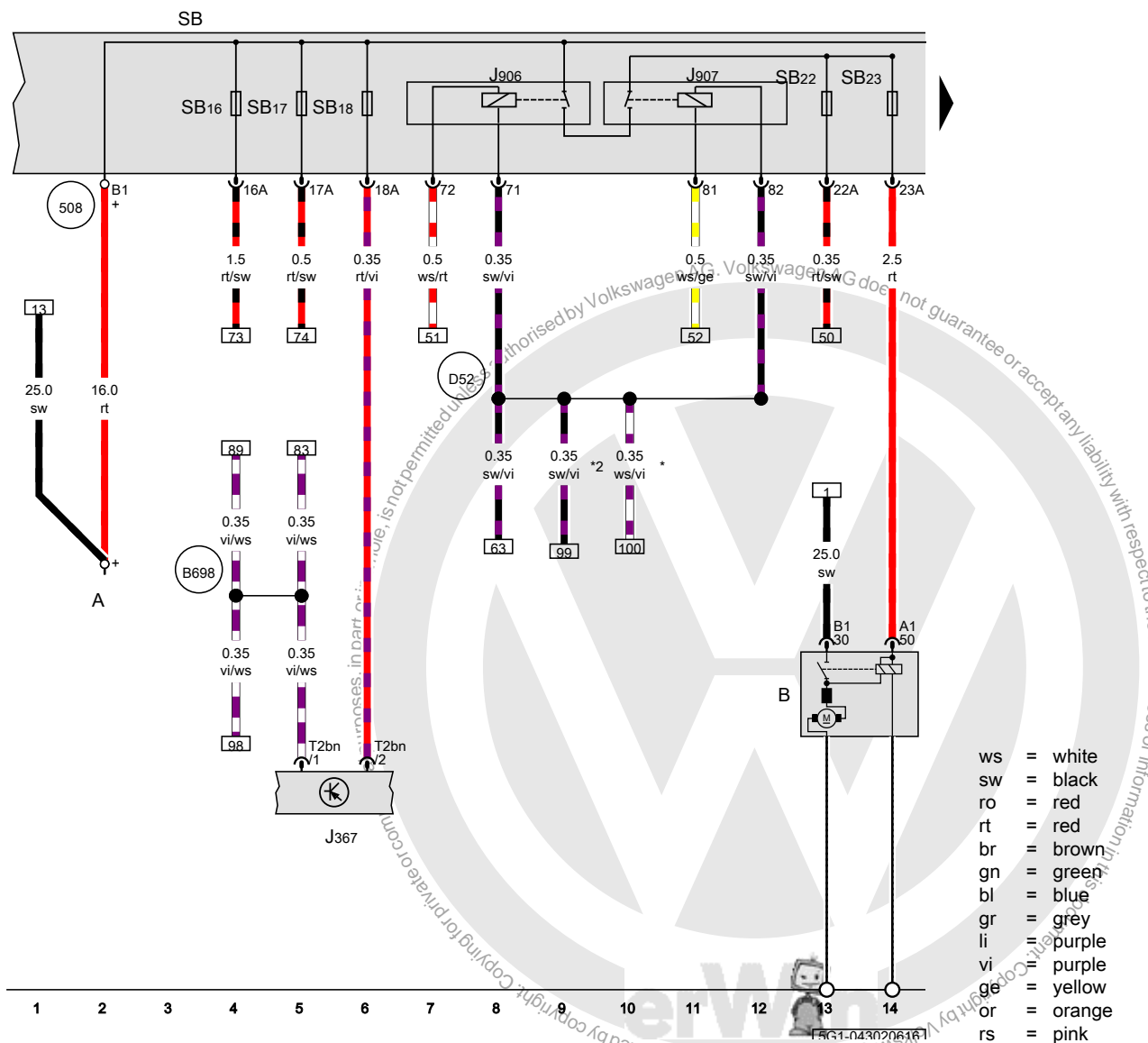
2.0l petrol engine , CHHA,CHHB

From April 2013



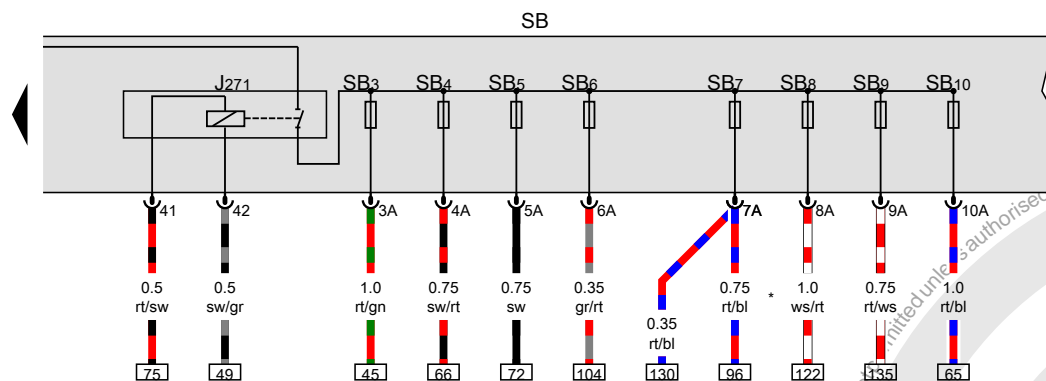
Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 From May 2014



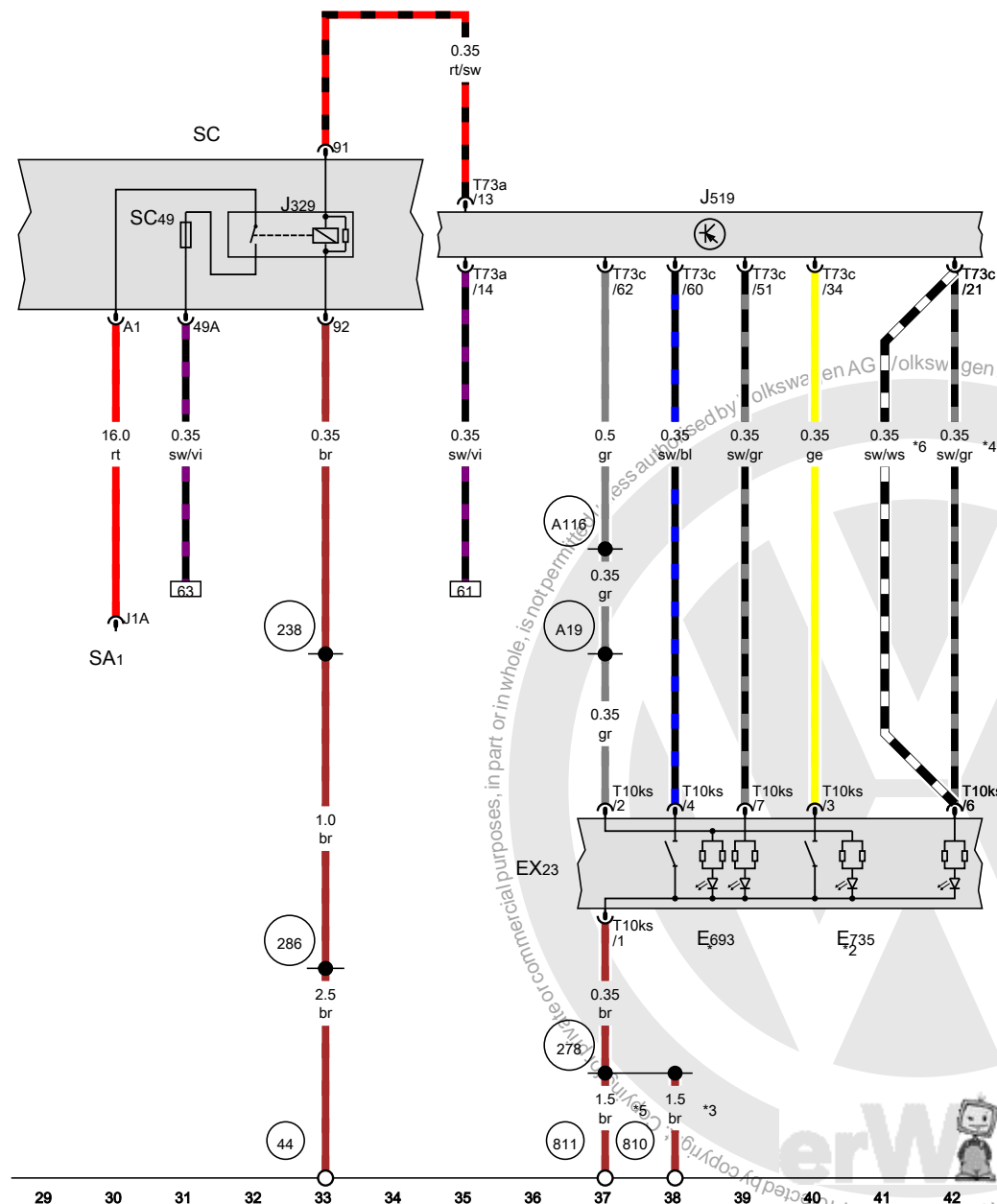
Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment



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Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C



- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

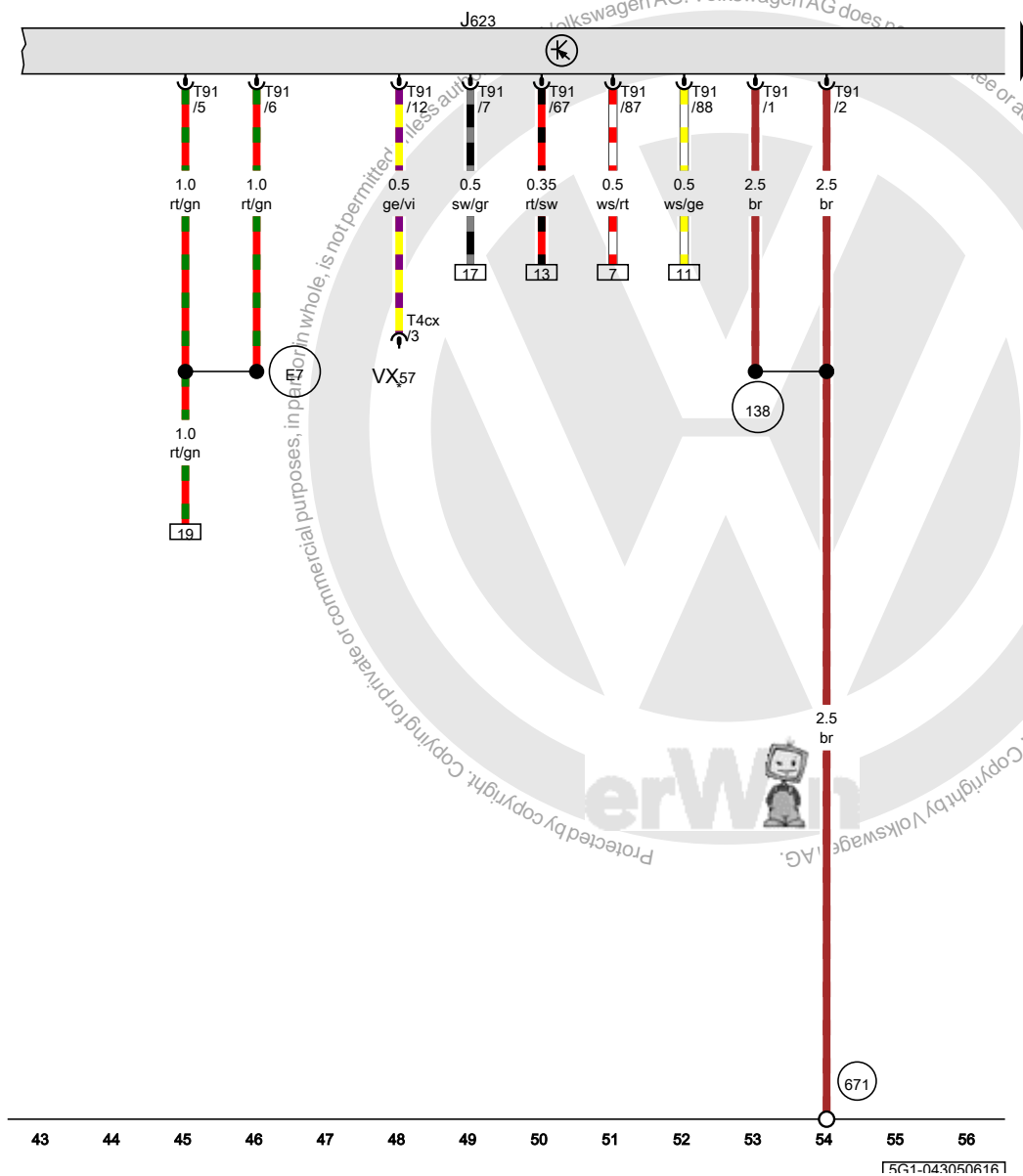
- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Up to May 2015
- *5 Only right-hand drive models
- *6 From May 2015

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Engine control unit

J623 Engine control unit
T4cx 4-pin connector
T91 91-pin connector
VX57 Radiator fan

- (138) Earth connection (control unit), in Motronic wiring harness
- (671) Earth point 1, on front of left longitudinal member
- (E7) Connection (87a), in Motronic wiring harness
- * Pre-wired component



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Oil level and oil temperature sender, Steering column electronics control unit, Engine control unit, Control unit for electronic steering column lock

- G266 Oil level and oil temperature sender
- J527 Steering column electronics control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T16r 16-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

A192 Positive connection 3 (15a) in dash panel wiring harness

D182 Connection 3 (87a), in engine compartment wiring harness

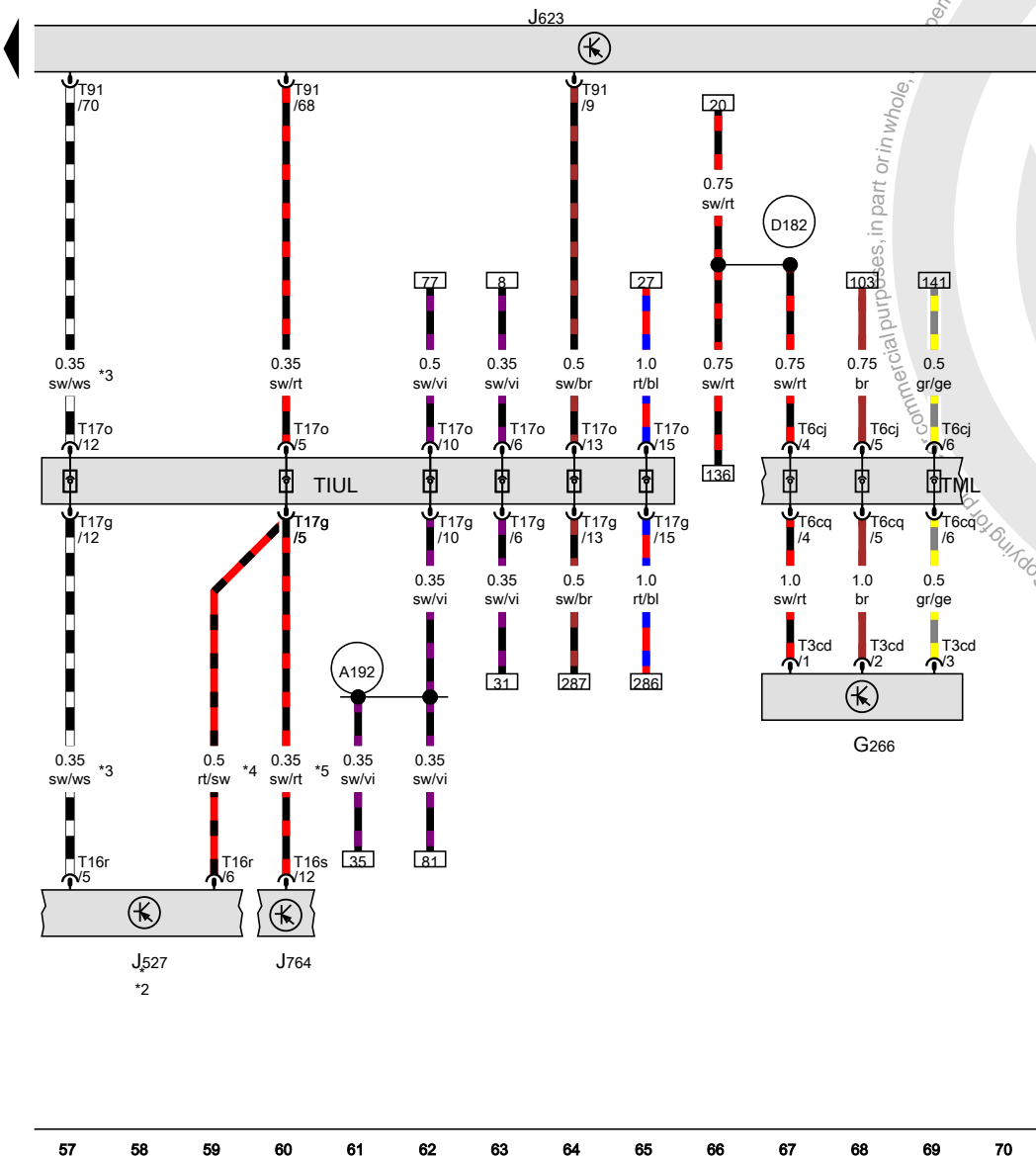
* see applicable current flow diagram

*2 Only models with no heated steering wheel

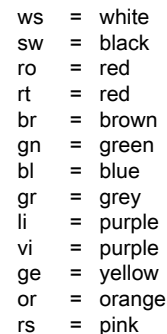
*3 Only models with cruise control system (CCS)

*4 Only models with no entry and start authorisation

*5 Only models with entry and start authorisation



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J104	ABS control unit
J533	Data bus diagnostic interface
J623	Engine control unit
J743	Mechatronic unit for dual clutch gearbox
J757	Engine component current supply relay, in E-box in engine compartment
T17e	17-pin connector, brown
T17m	17-pin connector, brown
T20	20-pin connector
T20e	20-pin connector
T46a	46-pin connector
T91	91-pin connector
TIUL	Coupling point in interior, below left
A227	Connection 2 (LIN bus) in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B384	Connection 2 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
B391	Connection 2 (powertrain CAN bus, low), in main wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
D78	Positive connection 1 (30a), in engine compartment wiring harness
D214	Connection 8 (87a), in engine compartment wiring harness
*	Only models with dual clutch gearbox (DSG)
*2	From May 2015

Alternator with voltage regulator, Charge pressure sender, Engine control unit, Gearbox oil cooling pump

CX1 Alternator with voltage regulator

G31 Charge pressure sender

J623 Engine control unit

T3j 3-pin connector

T4ak 4-pin connector

T8o 8-pin connector, black

T8p 8-pin connector, black

T10af 10-pin connector, black

T10ag 10-pin connector, black

T91 91-pin connector

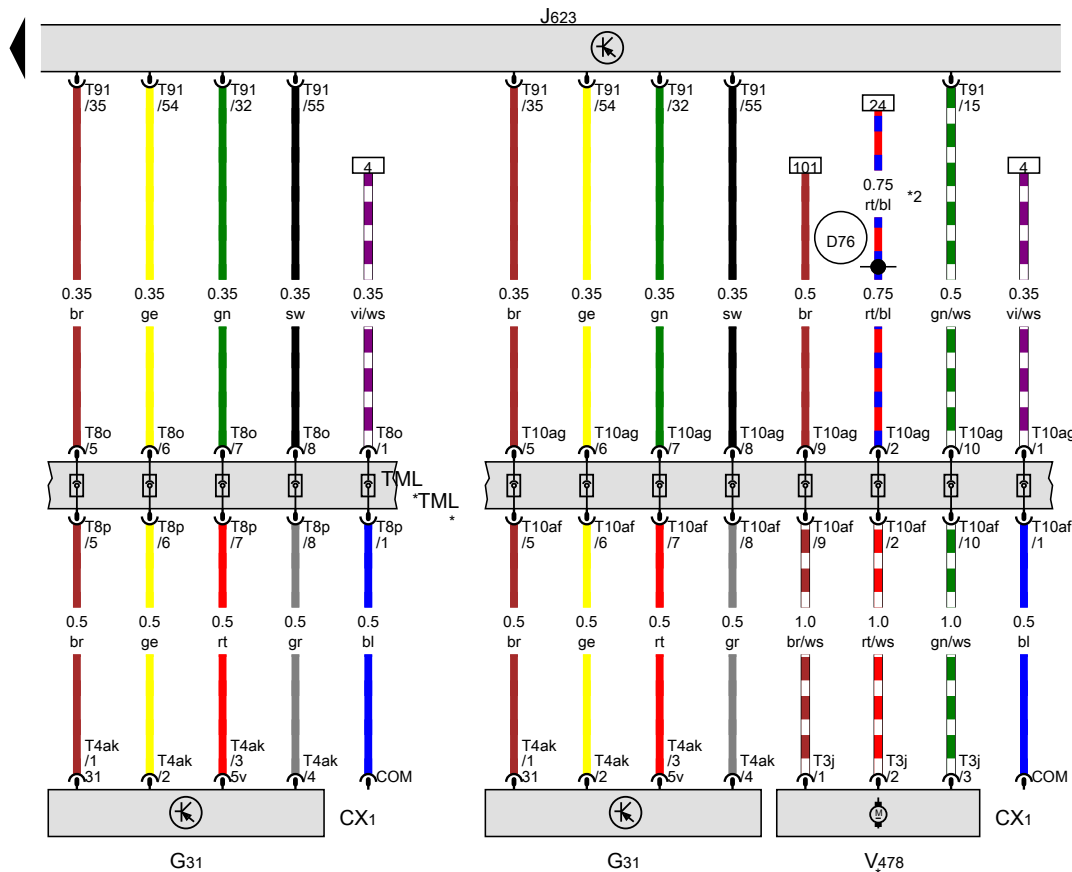
TML Coupling point in engine compartment, left

V478 Gearbox oil cooling pump

D76 Connection (circulation pump), in engine compartment wiring harness

* According to equipment

*2 Cross section depends on equipment



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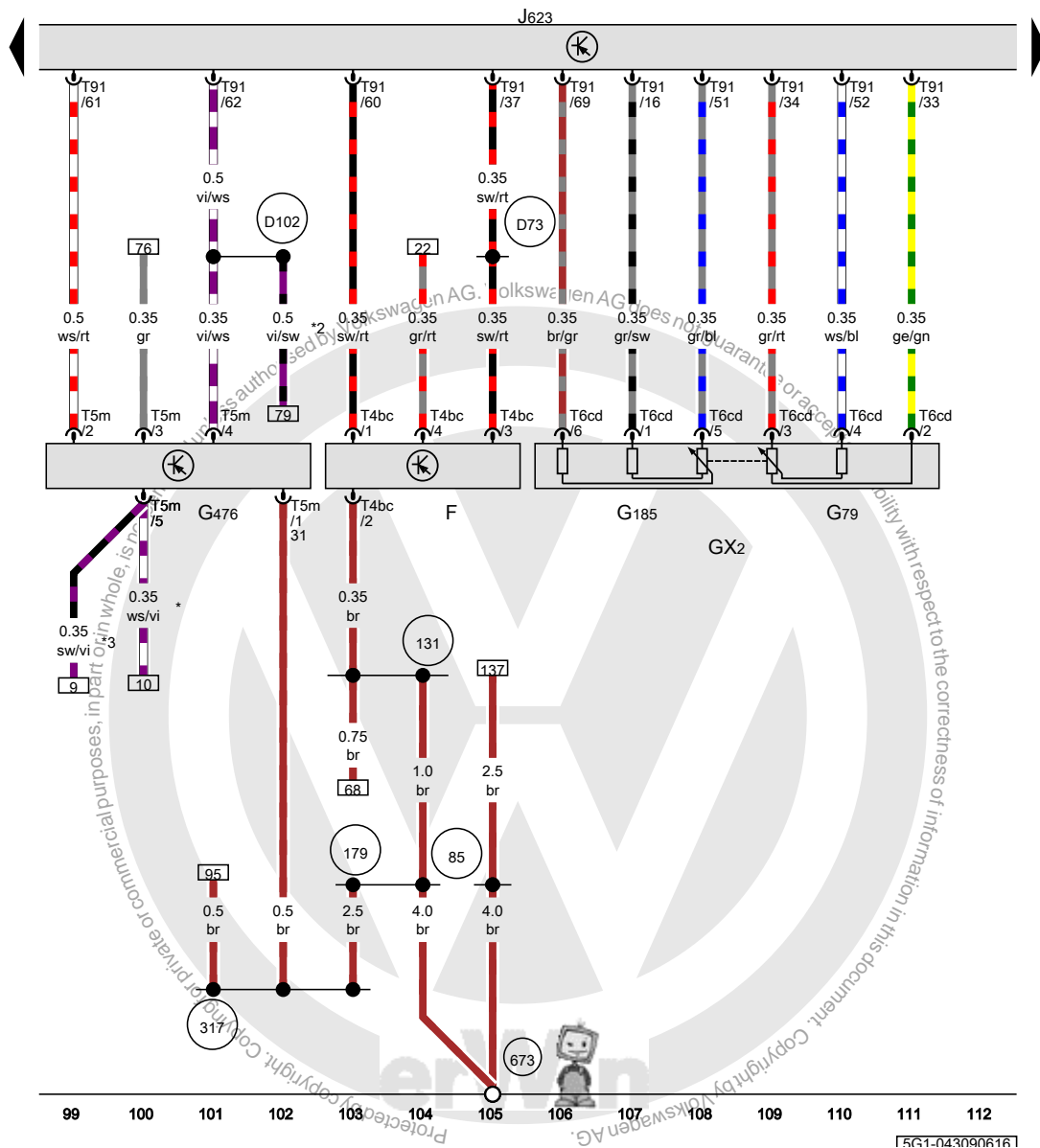
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Brake light switch, Accelerator pedal module, Clutch position sender, Engine control unit

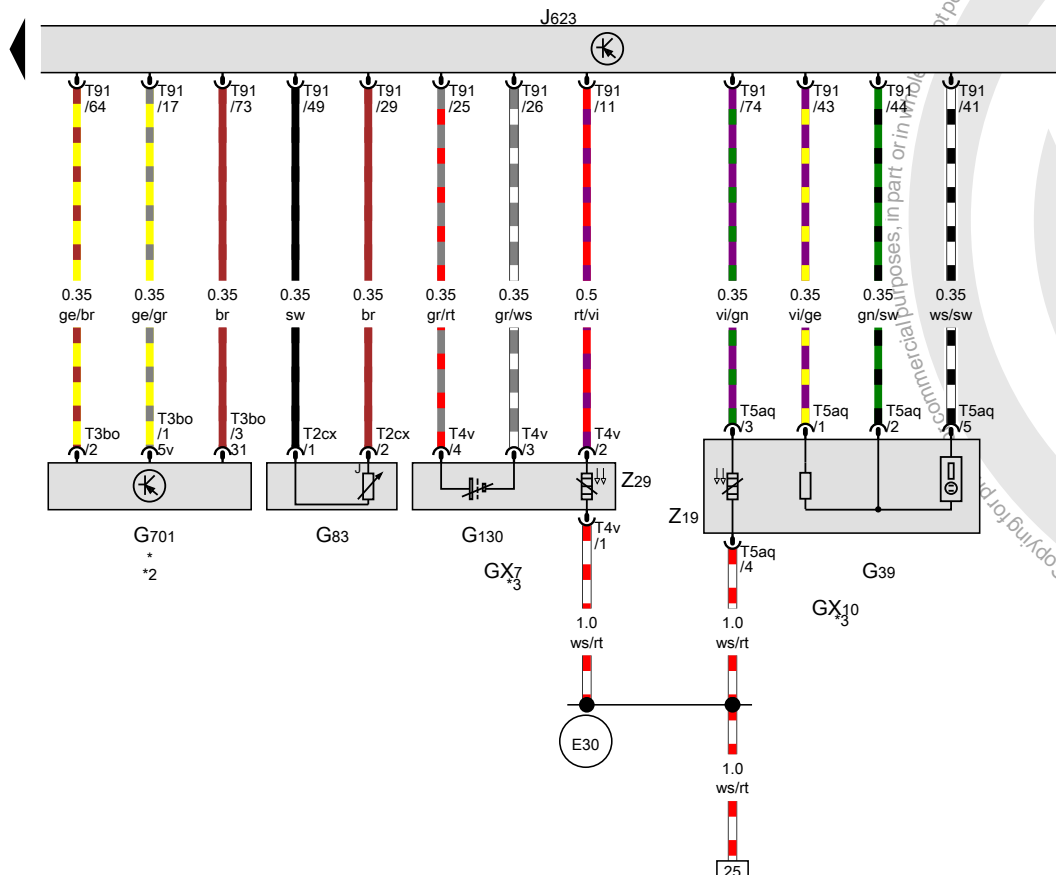
- F Brake light switch
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J623 Engine control unit
- T4bc 4-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T91 91-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Up to May 2014
- *2 Only models with dual clutch gearbox (DSG)
- *3 From May 2014

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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Radiator outlet coolant temperature sender, Gearbox neutral position sender, Engine control unit

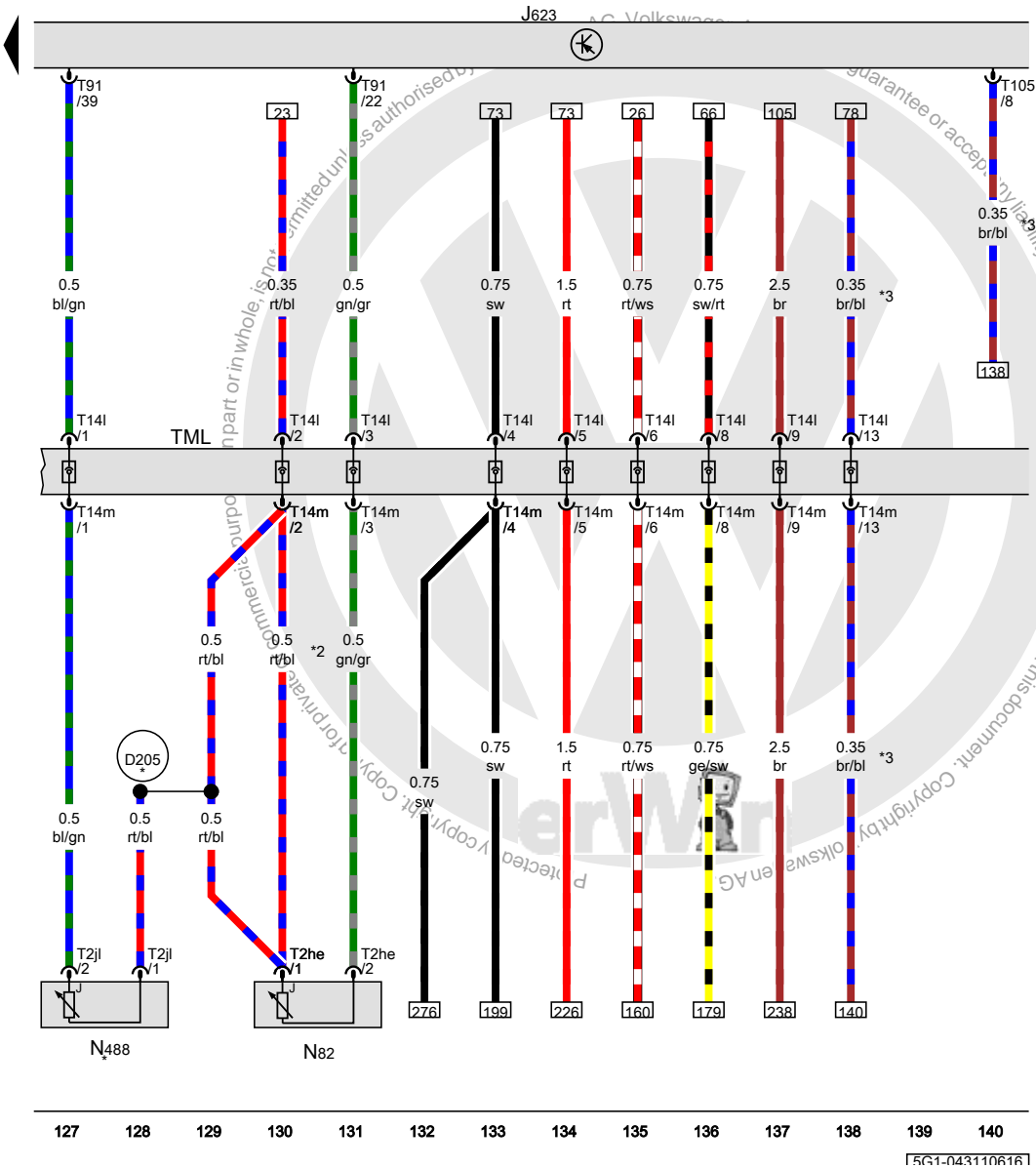


- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G83 Radiator outlet coolant temperature sender
- G130 Lambda probe after catalytic converter
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T2cx 2-pin connector
- T3bo 3-pin connector
- T4v 4-pin connector
- T5aq 5-pin connector
- T91 91-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Pre-wired component

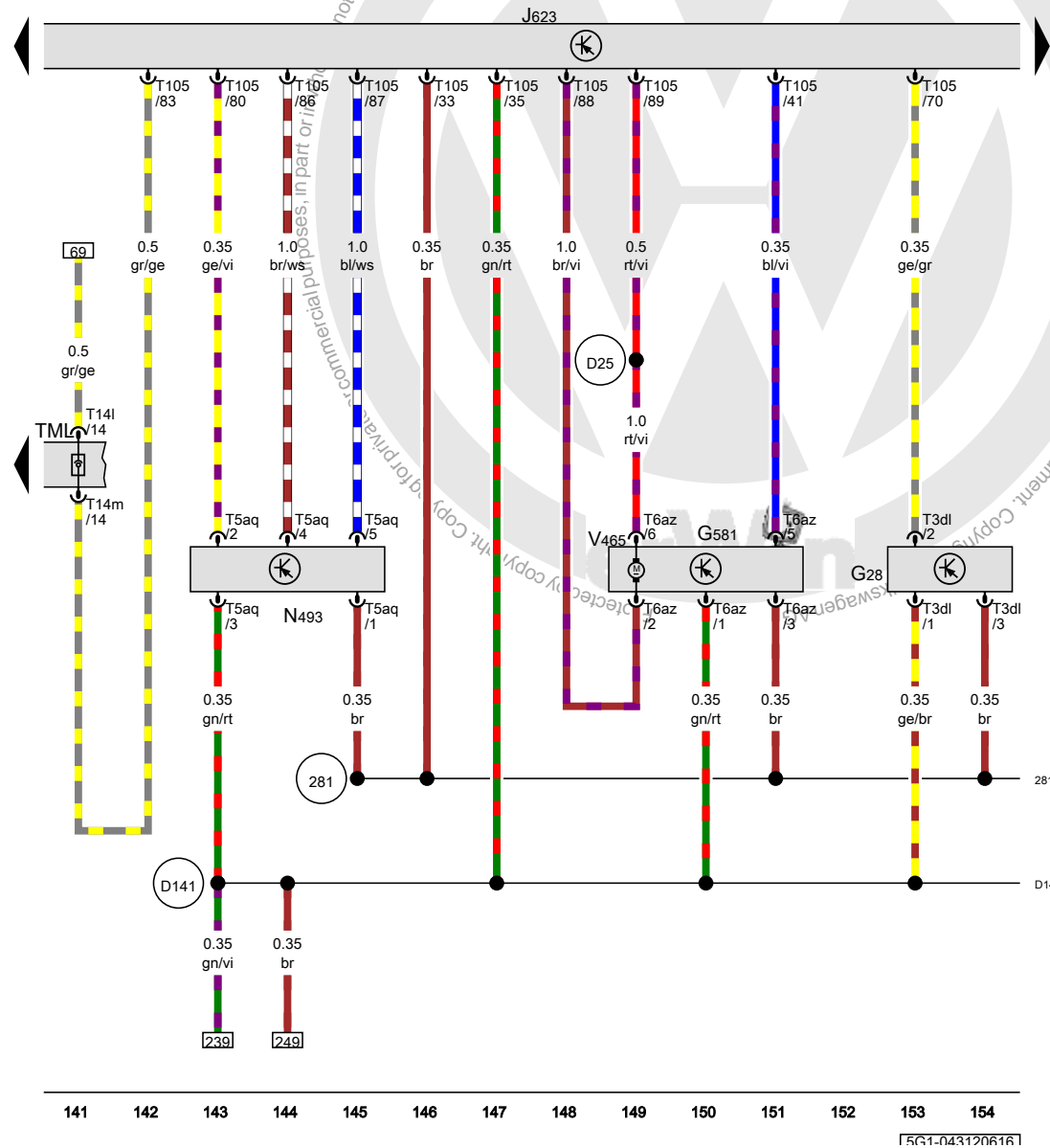
ws = white
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Engine control unit, Coolant shut-off valve

- J623 Engine control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2he 2-pin connector
- T2jl 2-pin connector
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector
- T105 105-pin connector
- TML Coupling point in engine compartment, left
- D205 Connection 3 (87a) in engine prewiring harness
- * Only models with dual clutch gearbox (DSG)
- *2 Only models with manual gearbox
- *3 From May 2015



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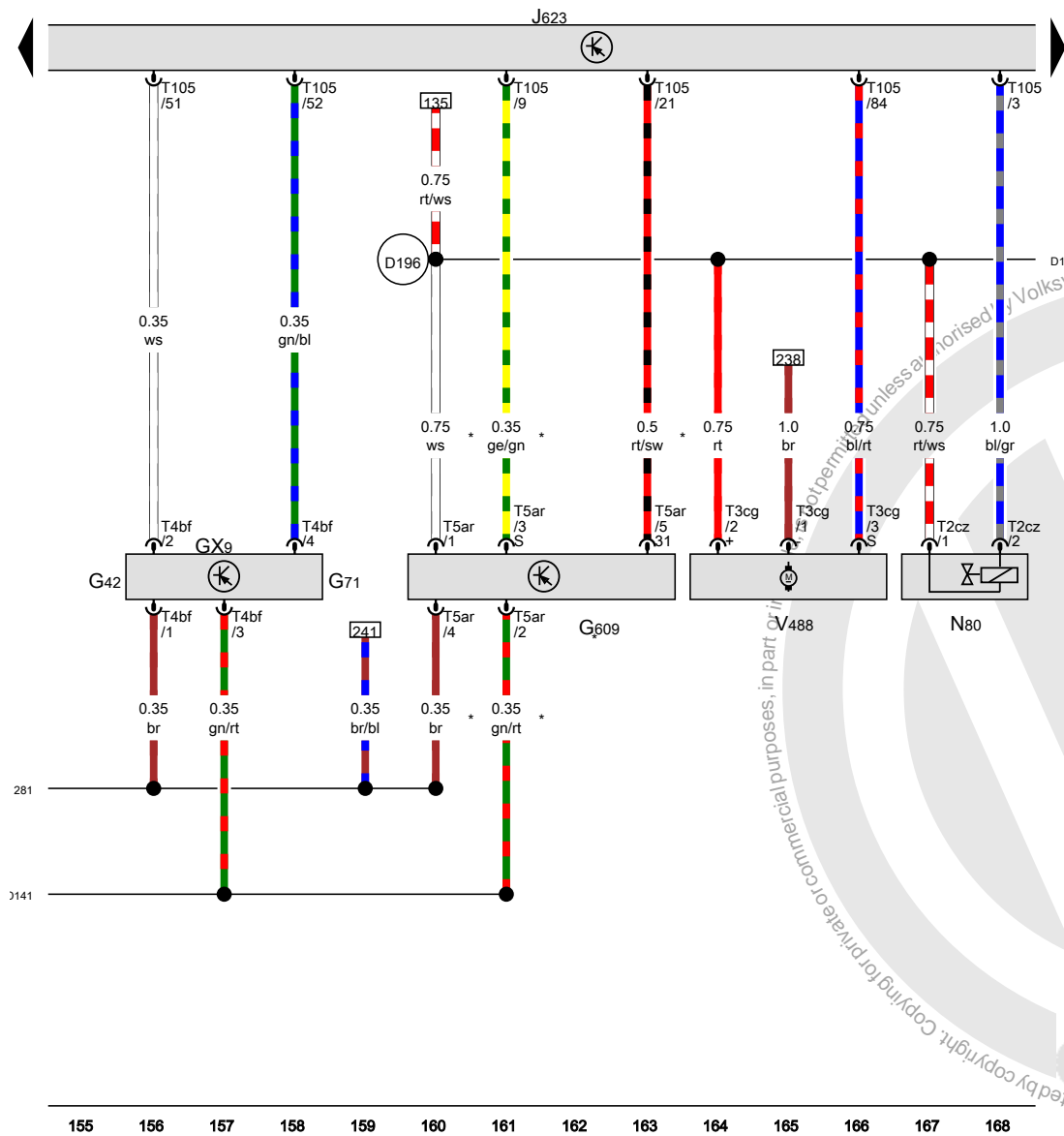


Engine speed sender, Position sender for charge pressure positioner, Engine control unit, Actuator for engine temperature regulation, Charge pressure positioner

- G28 Engine speed sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N493 Actuator for engine temperature regulation
- T3dl 3-pin connector
- T5aq 5-pin connector
- T6az 6-pin connector
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T105 105-pin connector
- TML Coupling point in engine compartment, left
- V465 Charge pressure positioner

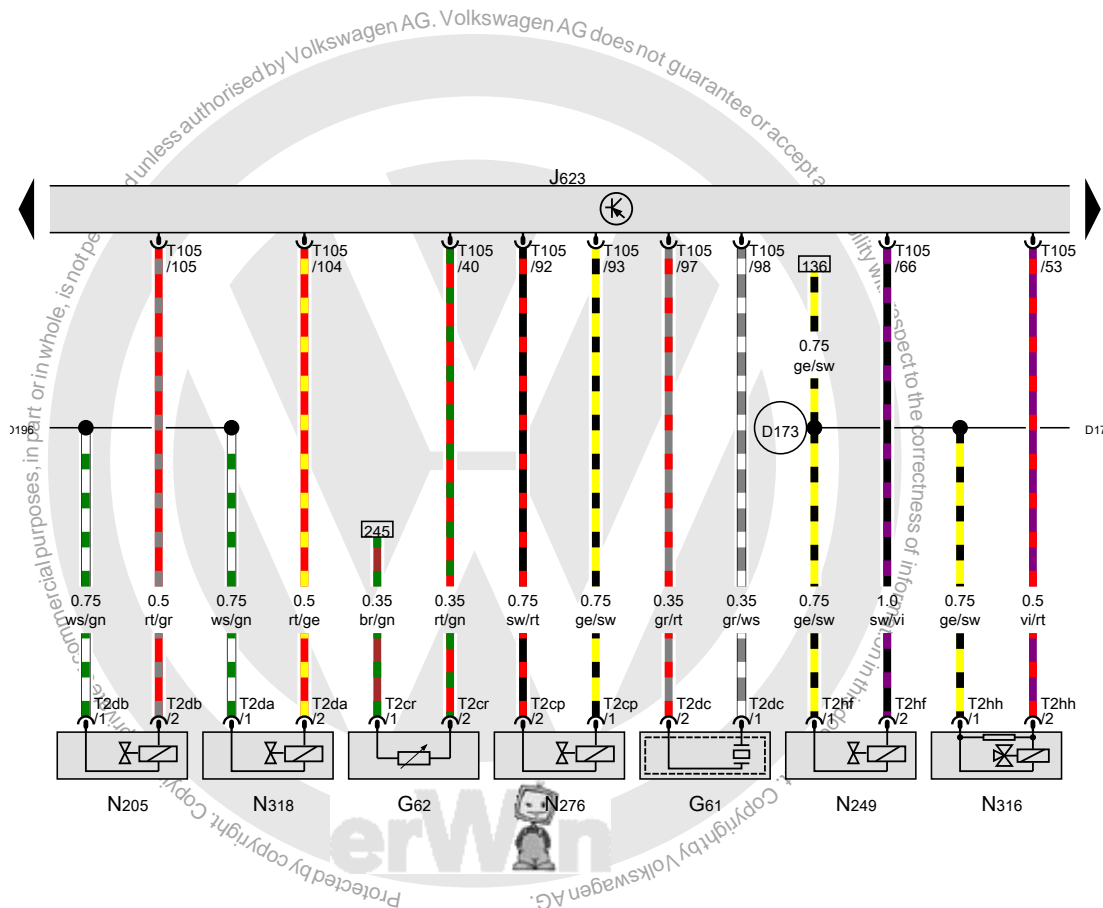
- 281 Earth point 1, engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

Intake manifold sender, Sender 1 for secondary air pressure, Engine control unit, Activated charcoal filter solenoid valve 1, Auxiliary pump for heating



- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- T2cz 2-pin connector
- T3cg 3-pin connector
- T4bf 4-pin connector
- T5ar 5-pin connector
- T105 105-pin connector
- V488 Auxiliary pump for heating
- 281 Earth point 1, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * Only models with SULEV emission standard

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 gr = grey
 li = purple
 vi = purple
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 or = orange
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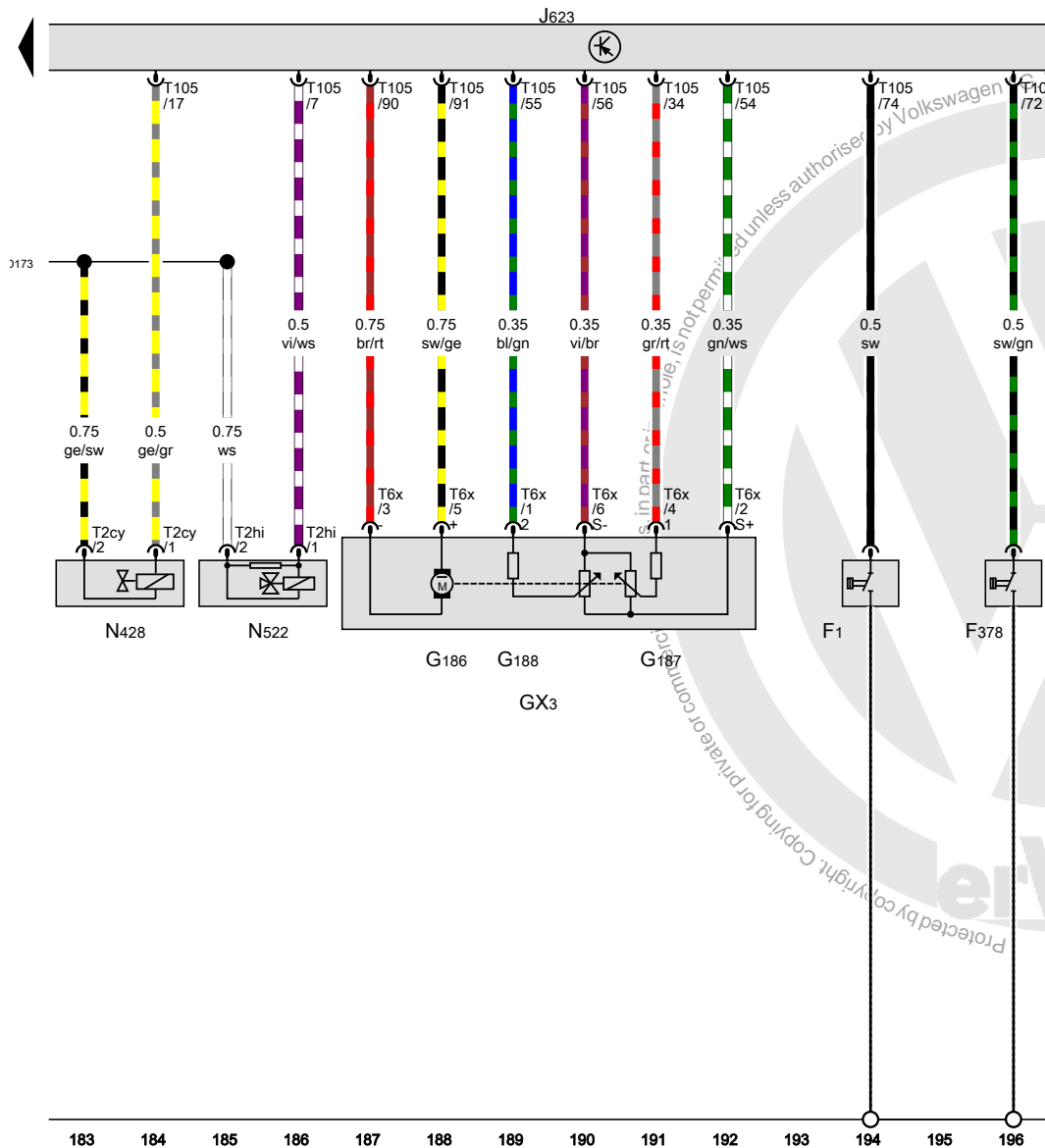


Knock sensor 1, Coolant temperature sender, Engine control unit, Camshaft control valve 1, Turbocharger air recirculation valve, Fuel pressure regulating valve, Intake manifold flap valve, Exhaust camshaft control valve 1

- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- N318 Exhaust camshaft control valve 1
- T2cp 2-pin connector
- T2cr 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T2hf 2-pin connector
- T2hh 2-pin connector
- T105 105-pin connector
- D173 Connection (87), in engine prewiring harness
- D196 Connection 2 (87a) in engine prewiring harness

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 gn = green
 bl = blue
 gr = grey
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Oil pressure switch, Oil pressure switch for reduced oil pressure, Throttle valve module, Engine control unit, Valve for oil pressure control, Piston cooling jet control valve



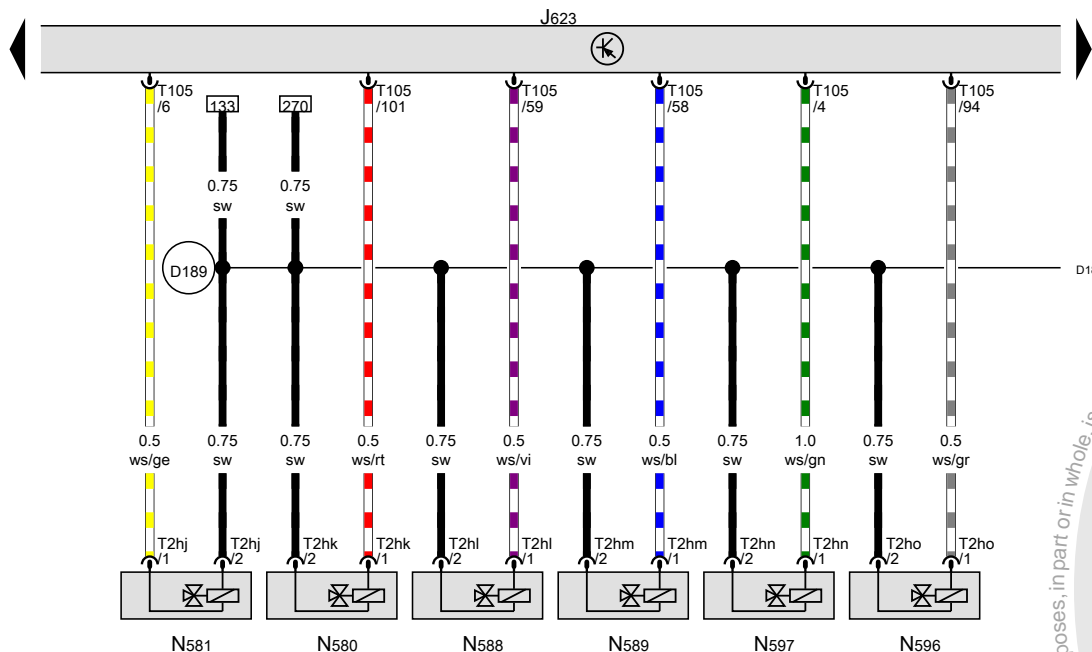
- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine control unit
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2cy 2-pin connector
- T2hi 2-pin connector
- T6x 6-pin connector
- T105 105-pin connector

D173 Connection (87), in engine prewiring harness

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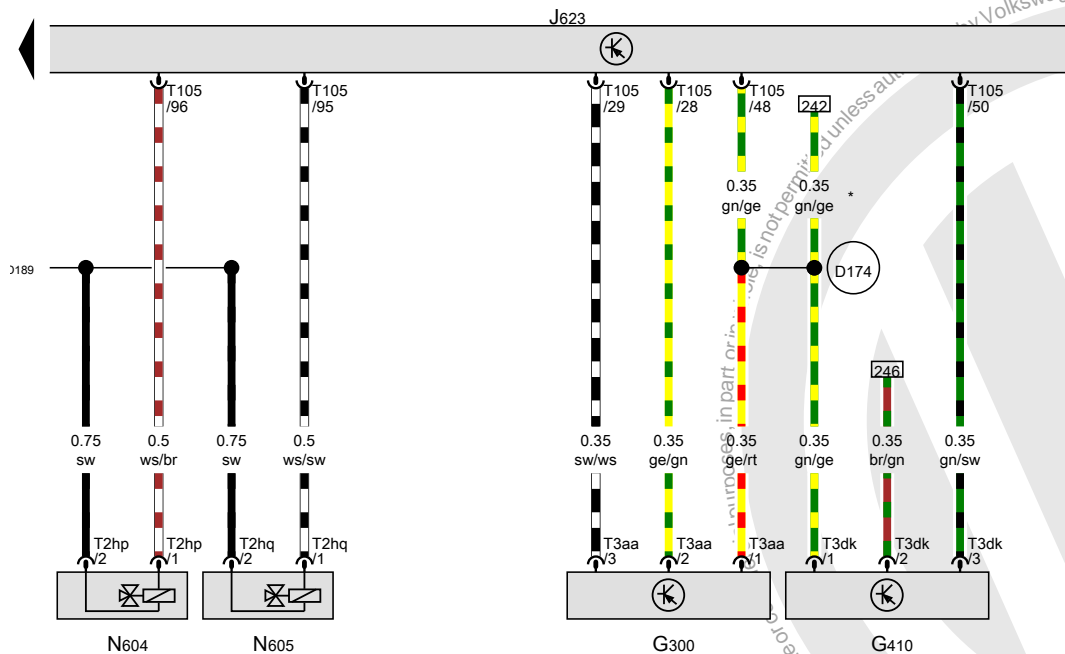
Engine control unit, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2, Exhaust cam actuator B for cylinder 2, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3



- J623 Engine control unit
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- T2hj 2-pin connector
- T2hk 2-pin connector
- T2hl 2-pin connector
- T2hm 2-pin connector
- T2hn 2-pin connector
- T2ho 2-pin connector
- T105 105-pin connector
- D189 Connection (87a) in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Hall sender 3, Fuel pressure sender for low pressure,
Engine control unit, Exhaust cam actuator A for cylinder 4,
Exhaust cam actuator B for cylinder 4



- G300 Hall sender 3
- G410 Fuel pressure sender for low pressure
- J623 Engine control unit
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hp 2-pin connector
- T2hq 2-pin connector
- T3aa 3-pin connector
- T3dk 3-pin connector
- T105 105-pin connector
- D174 Connection 2 (5V) in engine prewiring harness
- D189 Connection (87a) in engine prewiring harness
- * According to equipment

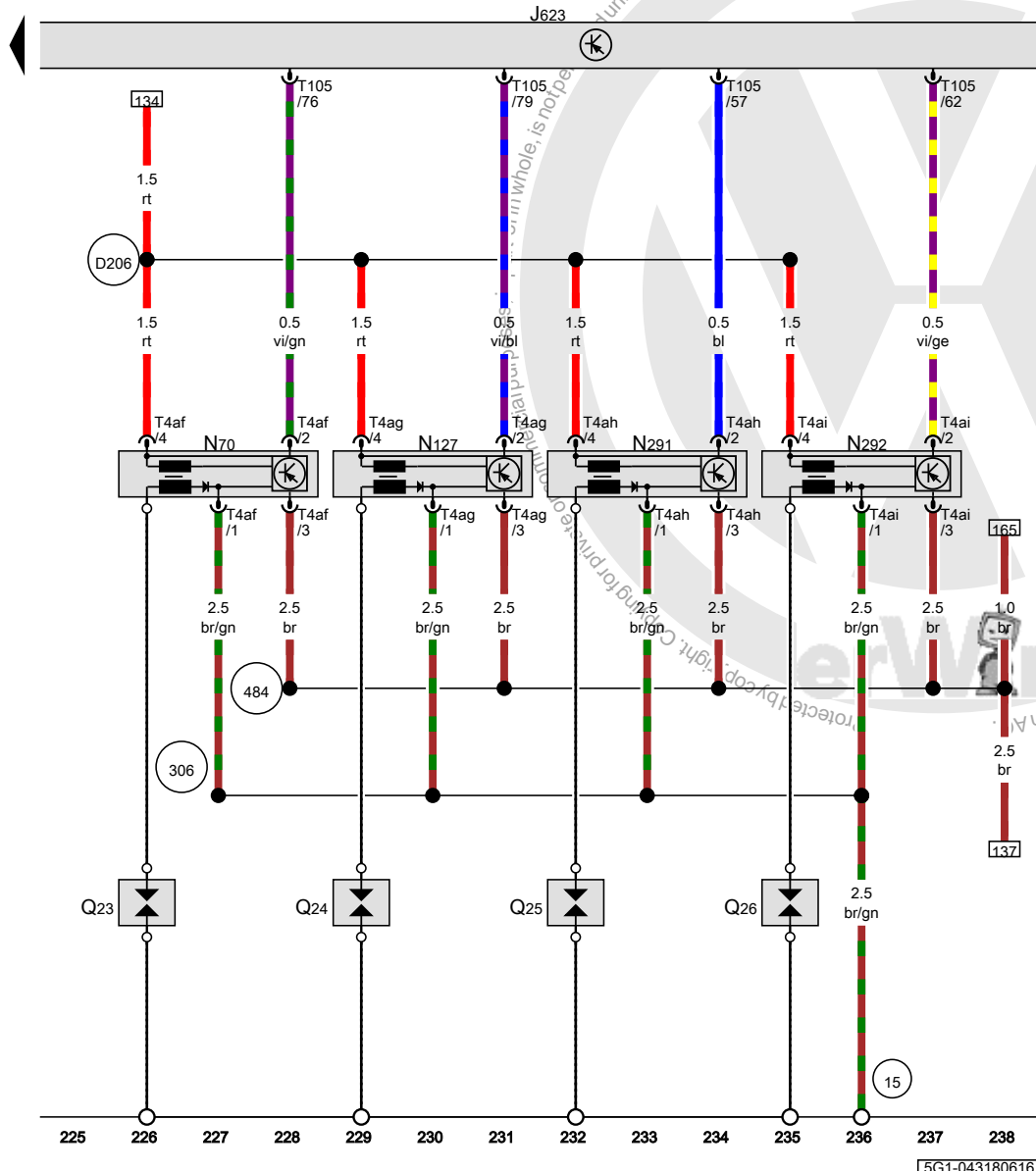
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug 1, Spark plug 2, Spark plug 3, Spark plug 4

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T105 105-pin connector

- 15 Earth point, on cylinder head
- 306 Earth connection (ignition coils), in engine prewiring harness
- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



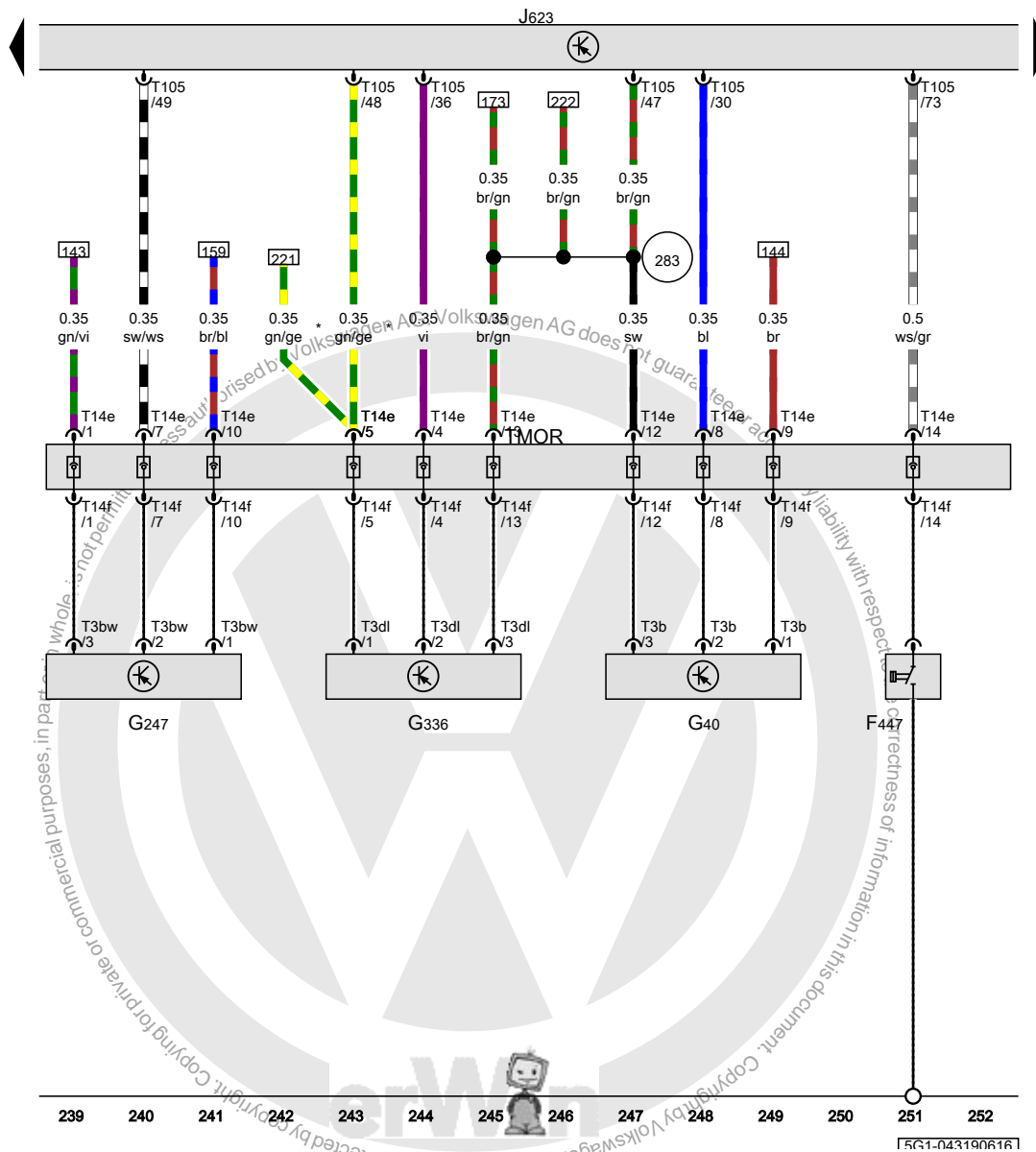
15G1-043180616

Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3dl 3-pin connector
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector
- TMOR Coupling point on engine, top right

283 Earth point 2, engine prewiring harness

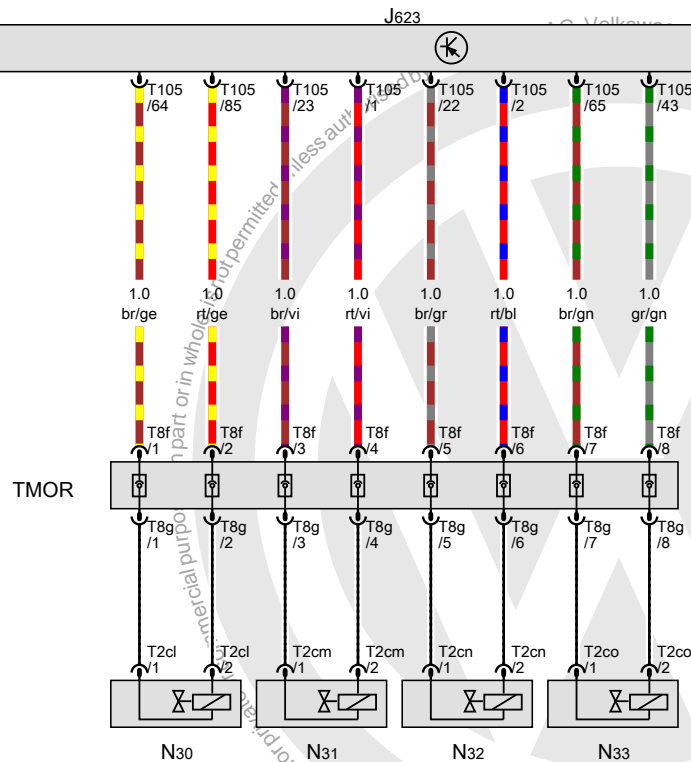
* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector
- TMOR Coupling point on engine, top right



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

J623 Engine control unit

N532 Injector 2, cylinder 1

N533 Injector 2, cylinder 2

N534 Injector 2, cylinder 3

N535 Injector 2, cylinder 4

T2hr 2-pin connector

T2hs 2-pin connector

T2ht 2-pin connector

T2hu 2-pin connector

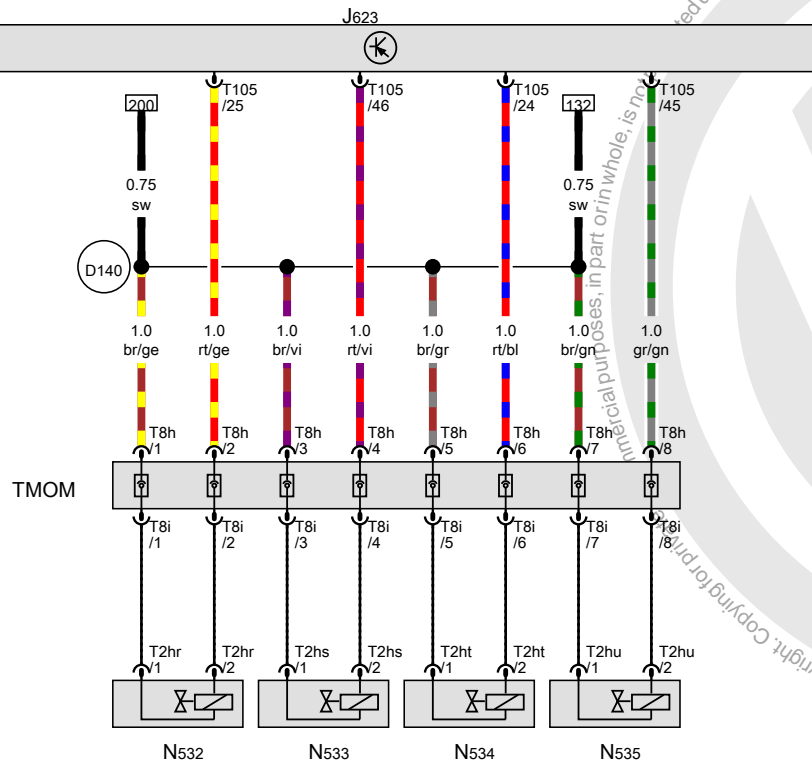
T8h 8-pin connector, black

T8i 8-pin connector, black

T105 105-pin connector

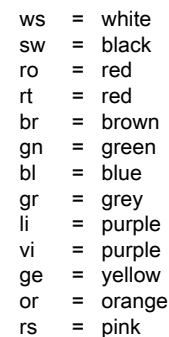
TMOM Coupling point on engine, top centre

D140 Connection (injectors) in engine prewiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J538	Fuel pump control unit
KX2	Dash panel insert
T5ai	5-pin connector
T5b	5-pin connector
T18	18-pin connector

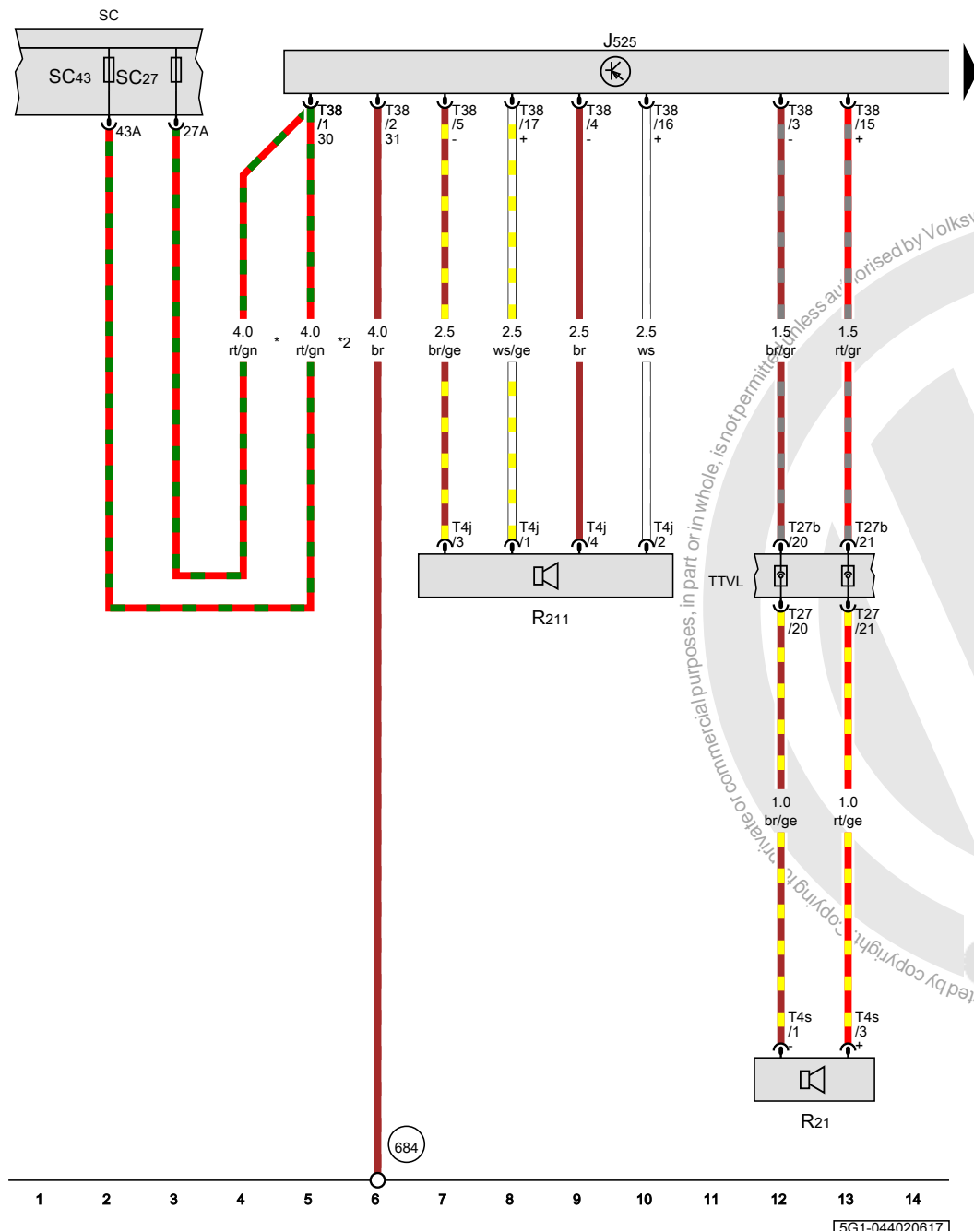


Sound system DYNAUDIO , (9VH),(8RU)

From April 2013



Digital sound package control unit, Front left bass loudspeaker, Subwoofer



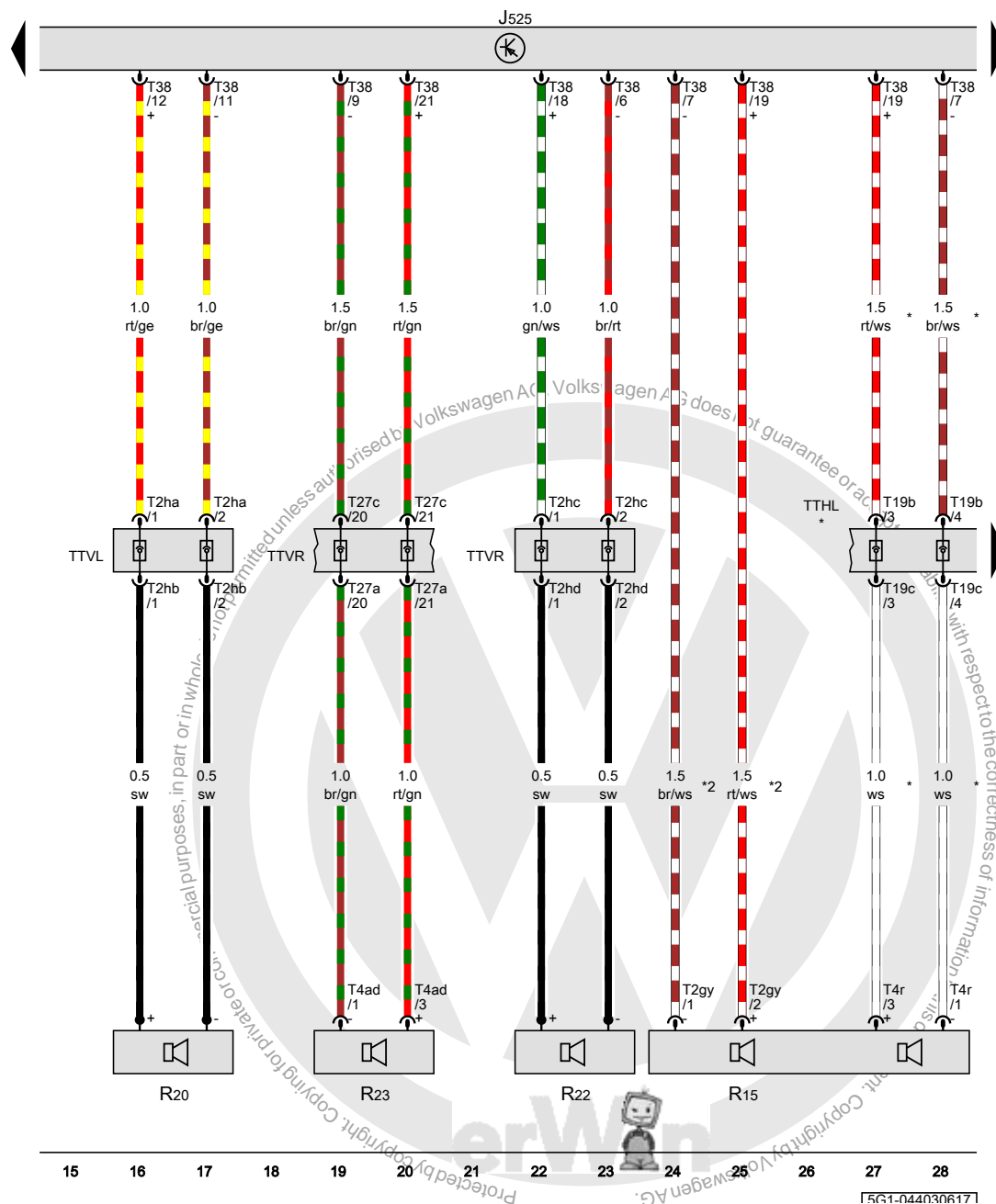
- J525 Digital sound package control unit
- R21 Front left bass loudspeaker
- R211 Subwoofer
- SC Fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- T4j 4-pin connector
- T4s 4-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T38 38-pin connector
- TTVL Coupling point for front left door
- 684 Earth point on front of left side member
- * Up to May 2017
- *2 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

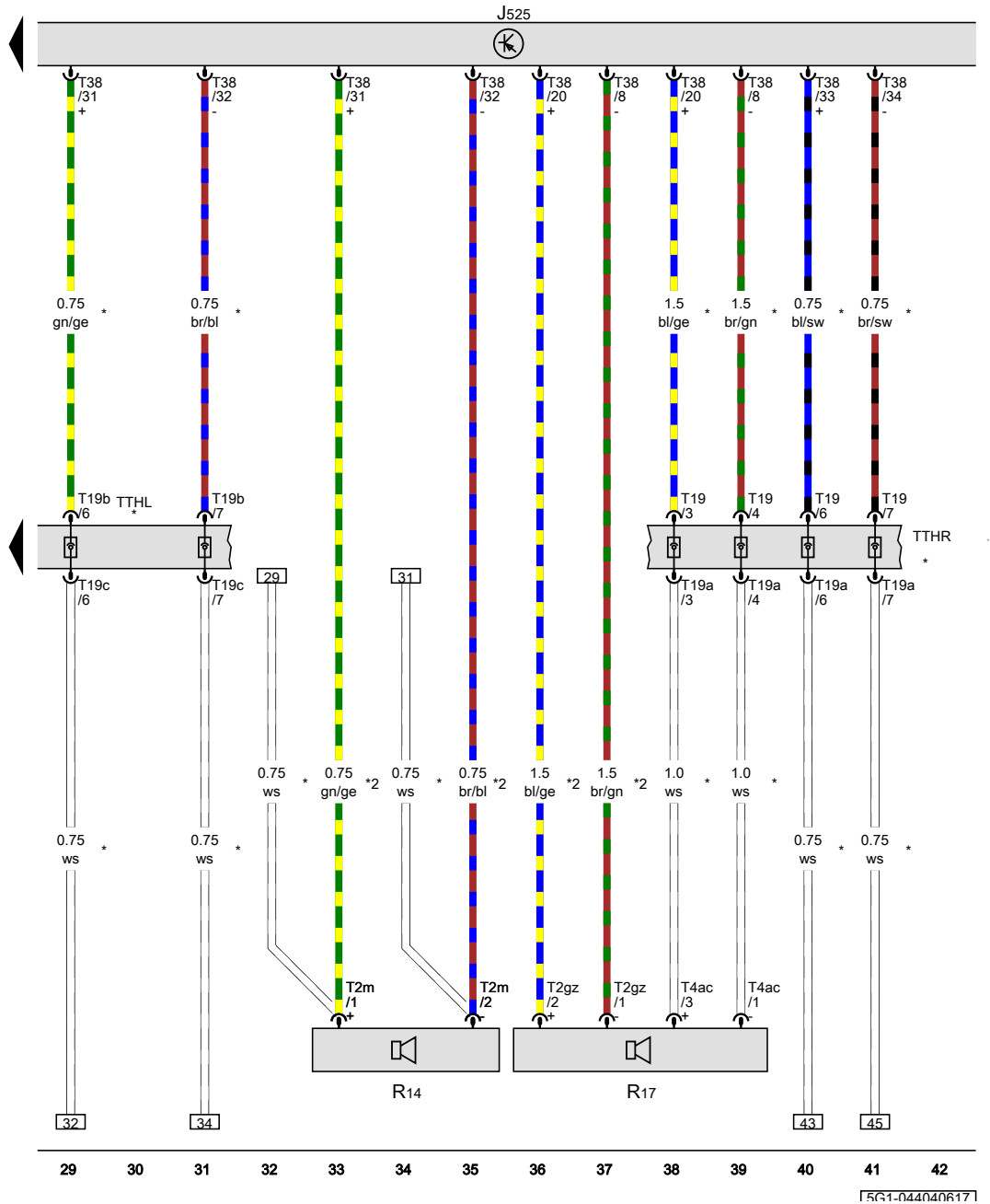
Digital sound package control unit, Rear left bass loudspeaker, Front left treble loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J525 Digital sound package control unit
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T2gy 2-pin connector
- T2ha 2-pin connector, black
- T2hb 2-pin connector, black
- T2hc 2-pin connector, black
- T2hd 2-pin connector, black
- T4ad 4-pin connector
- T4r 4-pin connector
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- T38 38-pin connector
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door, behind left A-pillar trim
- TTVR Coupling point for front right door
- * For models with 4 doors
- *2 For models with 2 doors

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



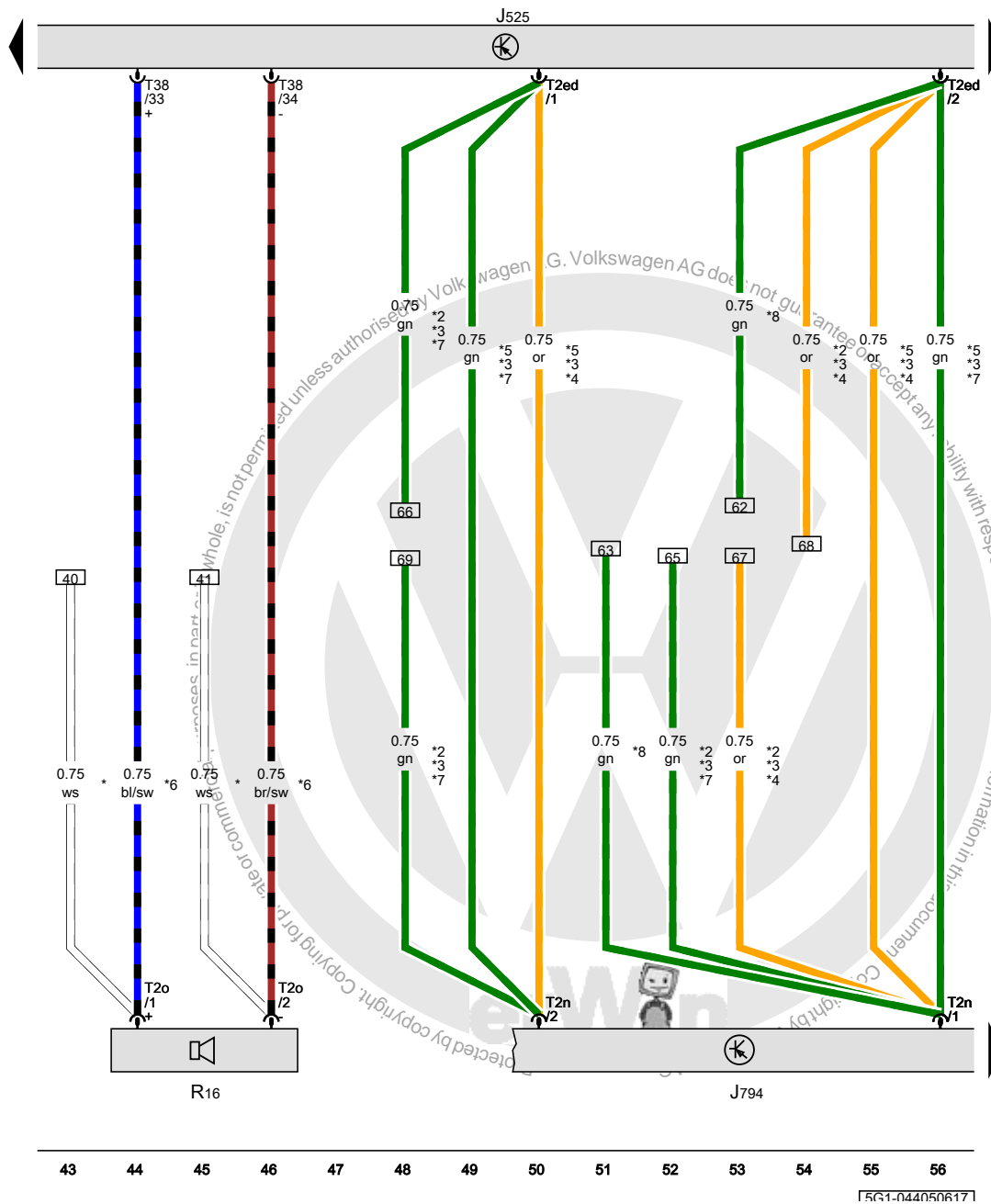
Digital sound package control unit, Rear left treble loudspeaker, Rear right bass loudspeaker



- J525 Digital sound package control unit
- R14 Rear left treble loudspeaker
- R17 Rear right bass loudspeaker
- T2gz 2-pin connector
- T2m 2-pin connector
- T4ac 4-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T38 38-pin connector
- TTHL Coupling point for rear left door
- TTHR Coupling point for rear right door
- * For models with 4 doors
- *2 For models with 2 doors

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Digital sound package control unit, Control unit 1 for information electronics, Rear right treble loudspeaker



- J525 Digital sound package control unit
- J794 Control unit 1 for information electronics
- R16 Rear right treble loudspeaker
- T2ed 2-pin connector
- T2n 2-pin connector
- T2o 2-pin connector
- T38 38-pin connector
- * For models with 4 doors
- *2 For models with TV tuner
- *3 Fibre optic cable (FOC)
- *4 Up to May 2015
- *5 For models with no TV receiver
- *6 For models with 2 doors
- *7 From May 2015
- *8 According to equipment

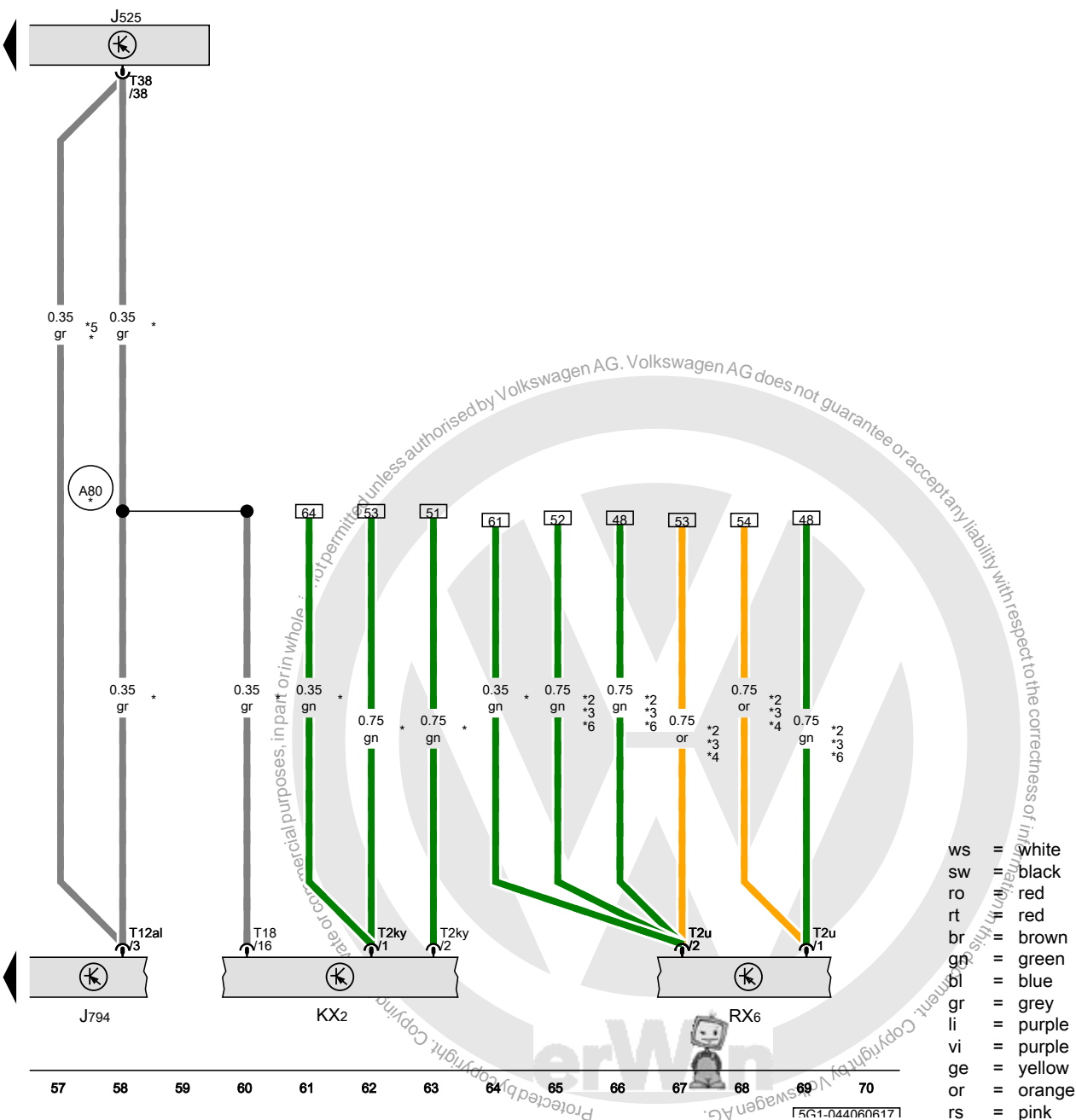
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Digital sound package control unit, Control unit 1 for information electronics, Dash panel insert, TV tuner

- J525 Digital sound package control unit
- J794 Control unit 1 for information electronics
- KX2 Dash panel insert
- RX6 TV tuner
- T2ky 2-pin connector, black
- T2u 2-pin connector
- T12al 12-pin connector
- T18 18-pin connector, black
- T38 38-pin connector

A80 Connection 1 (X), in dash panel wiring harness

- * According to equipment
- *2 For models with TV tuner
- *3 Fibre optic cable (FOC)
- *4 Up to May 2015
- *5 From May 2014
- *6 From May 2015

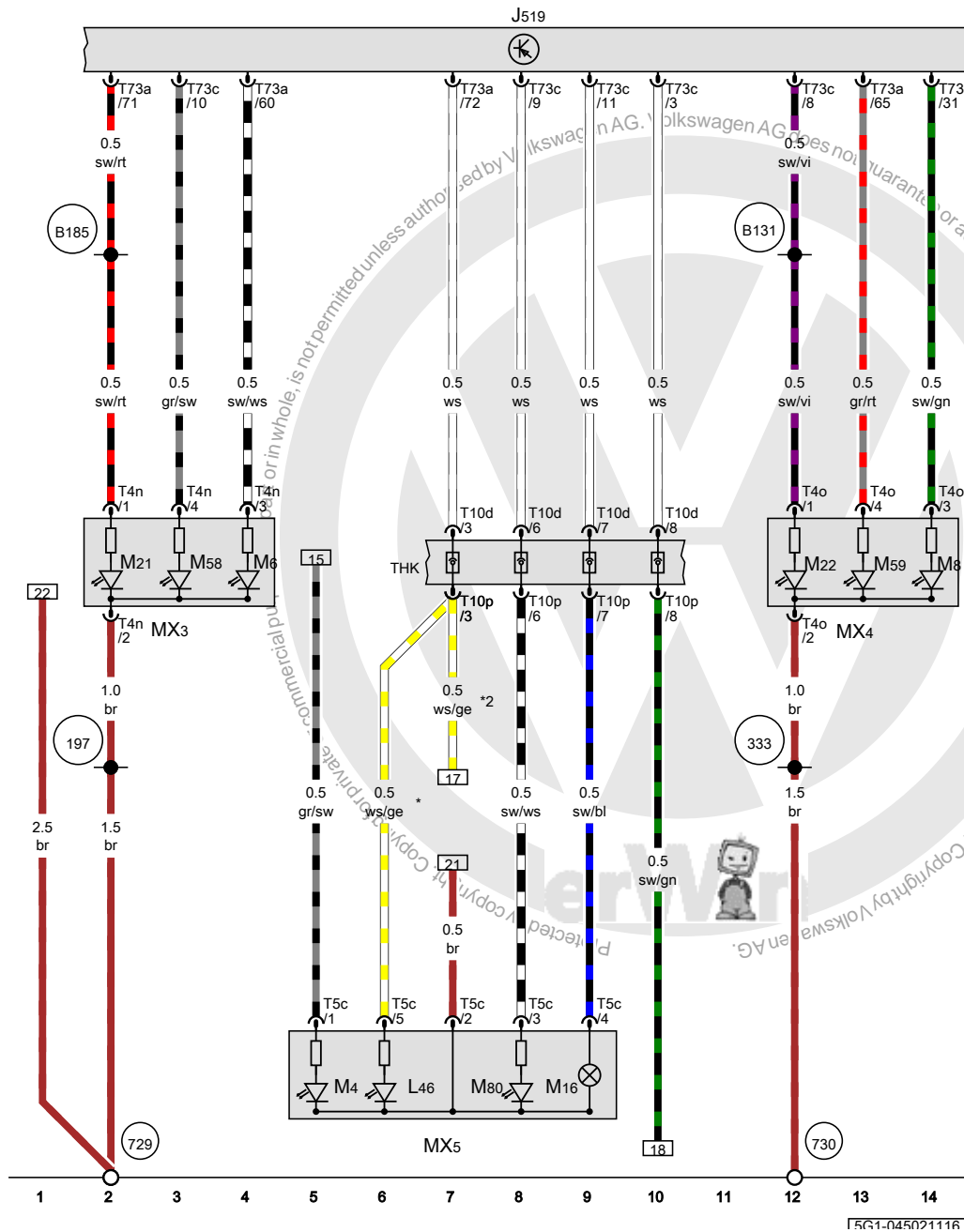


Tail light cluster with LED , (8SK),(8SP)

From April 2013



Onboard supply control unit, Left tail light, Right tail light, Left tail light 2



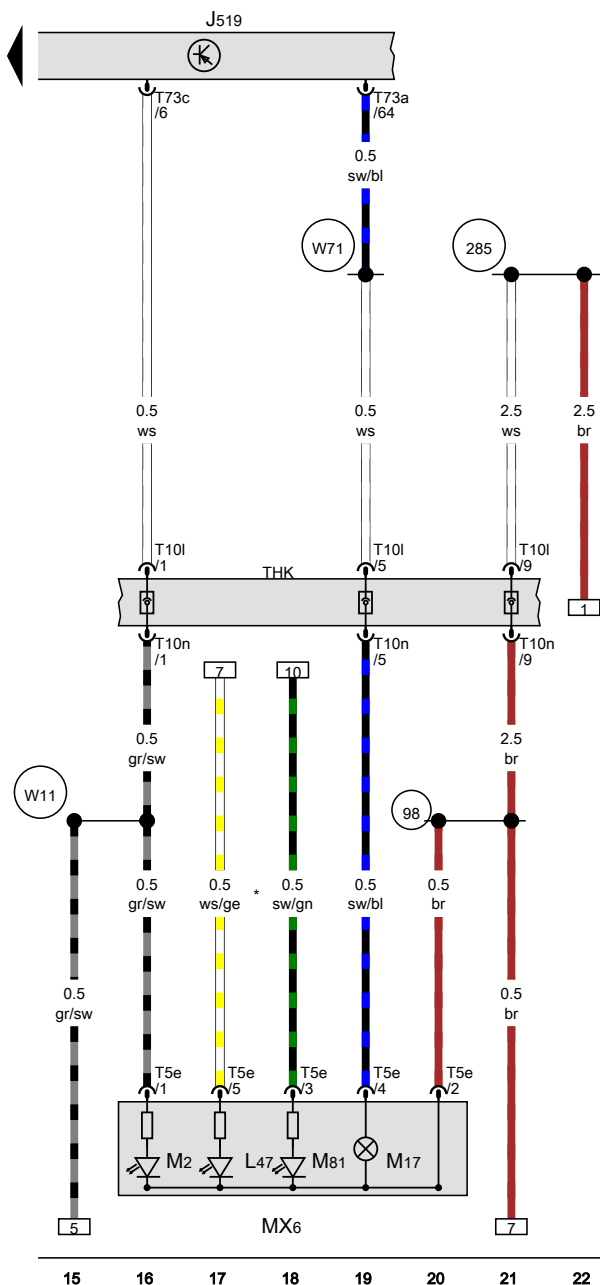
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- MX3 Left tail light
- MX4 Right tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M16 Left reversing light bulb
- M21 Left brake and tail light bulb
- M22 Right brake and tail light bulb
- M58 Left brake and tail light bulb 2
- M59 Right brake and tail light bulb 2
- M80 Bulb 2 for rear left turn signal
- T4n 4-pin connector
- T4o 4-pin connector
- T5c 5-pin connector
- T10d 10-pin connector, black
- T10p 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- THK Coupling point for rear lid

- 197 Earth connection 4, in rear wiring harness
- 333 Earth connection 5, in rear wiring harness
- 729 Earth point, on left rear wheel housing
- 730 Earth point 1, on right rear wheel housing
- B131 Connection (54), in interior wiring harness
- B185 Connection 2 (54), in interior wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Right tail light 2



- J519 Onboard supply control unit
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- MX6 Right tail light 2
- M17 Right reversing light bulb
- M81 Bulb 2 for rear right turn signal
- T5e 5-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T73a 73-pin connector
- T73c 73-pin connector
- THK Coupling point for rear lid

- 98 Earth connection, in rear lid wiring harness
- 285 Earth connection 7, in interior wiring harness
- W11 Connection (58), in rear lid wiring harness
- W71 Connection (reversing light), in rear wiring harness

* Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Heated windscreen , (4GW)

From April 2013



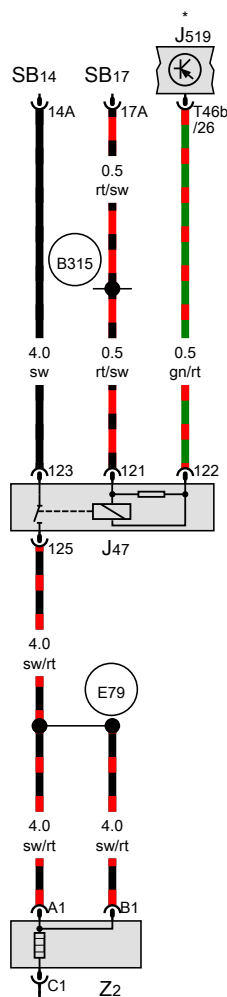
Heated windscreen relay, Onboard supply control unit, Fuse 14 on fuse holder B, Fuse 17 on fuse holder B, Heated windscreen

- J47 Heated windscreen relay
- J519 Onboard supply control unit
- SB14 Fuse 14 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- T46b 46-pin connector
- Z2 Heated windscreen

B315 Positive connection 1 (30a) in main wiring harness

E79 Connection 3 (87a) in engine wiring harness

* Activation via menu in infotainment system



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

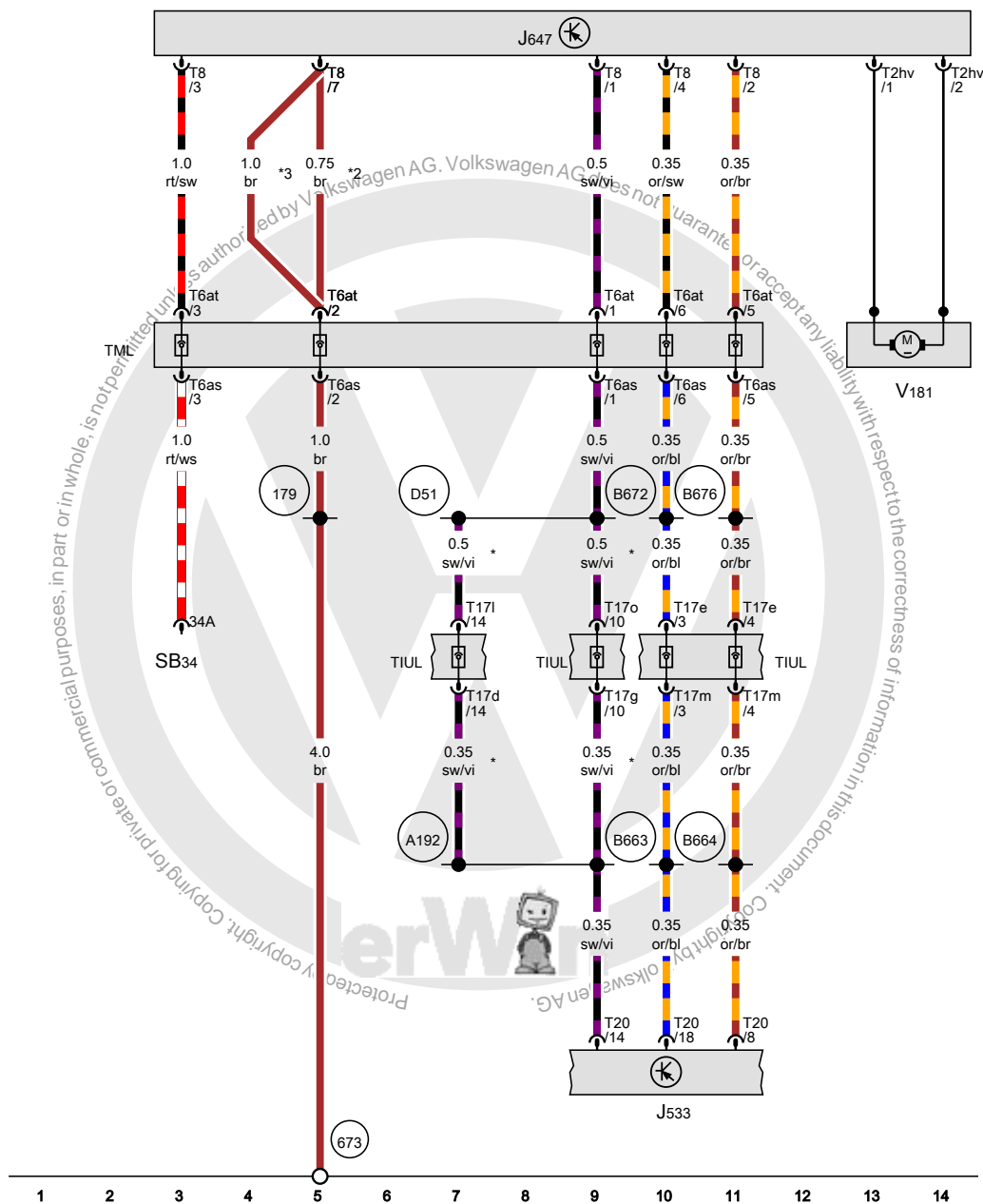


Front differential lock , (1Y2)

From April 2013



Data bus diagnostic interface, Axle differential lock control unit, Fuse 34 on fuse holder B, All-wheel drive coupling pump



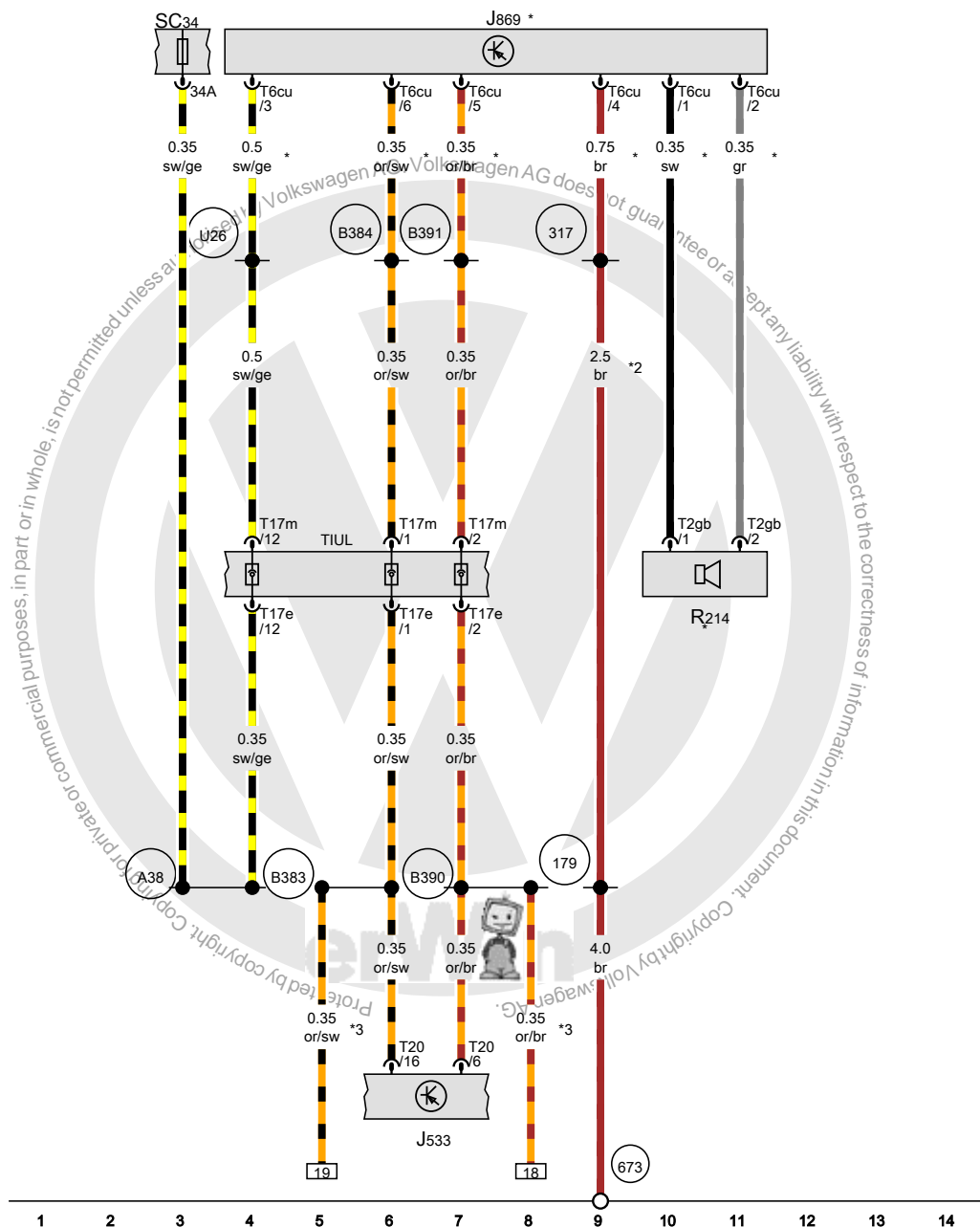
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- B672 Connection 1 (running gear/dash panel insert CAN bus, high), in main wiring harness
- B676 Connection 1 (running gear/dash panel insert CAN bus, low), in main wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * Up to November 2017
- *2 Up to November 2015
- *3 From November 2015

Engine sound generator , (GM1),(GM3)

From April 2013



Data bus diagnostic interface, Control unit for structure-borne sound, Actuator for structure-borne sound, Fuse 34 on fuse holder C

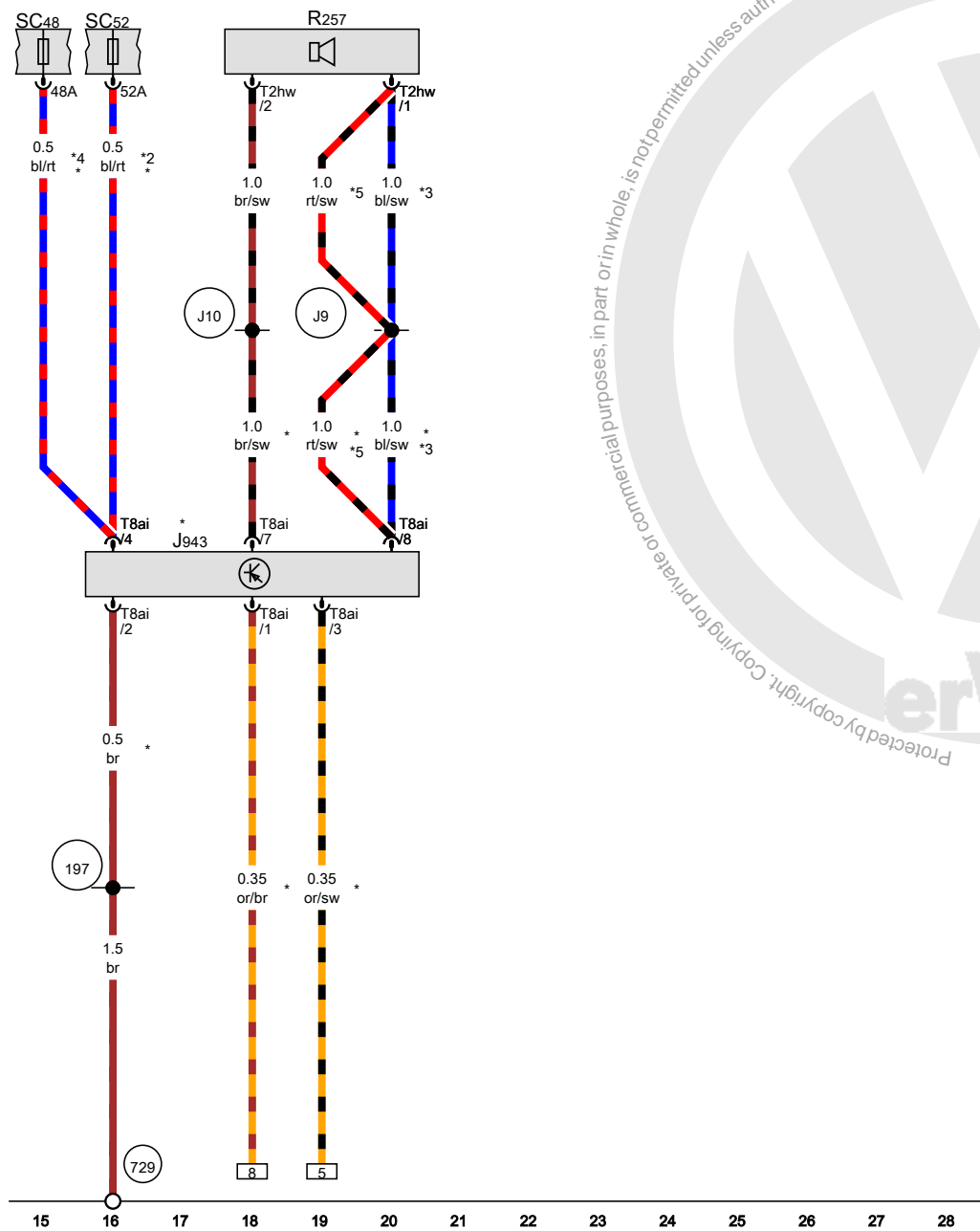


- J533 Data bus diagnostic interface
- J869 Control unit for structure-borne sound
- R214 Actuator for structure-borne sound
- SC34 Fuse 34 on fuse holder C
- T2gb 2-pin connector
- T6cu 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- TIUL Coupling point in interior, below left
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- U26 Connection (15), in gearbox switch wiring harness

- * According to equipment
- *2 Cross section depends on equipment
- *3 Only models with diesel engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15G1-0480211161



Engine sound generator control unit, Actuator 1 for engine sound generator

- J943 Engine sound generator control unit
- R257 Actuator 1 for engine sound generator
- SC48 Fuse 48 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T2hw 2-pin connector
- T8ai 8-pin connector

- 197 Earth connection 4, in rear wiring harness
- 729 Earth point, on left rear wheel housing
- J9 Connection 1 (15a), in ABS wiring harness
- J10 Connection 2 (15a), in ABS wiring harness

- * Only models with diesel engine
- *2 Up to November 2013
- *3 Up to May 2015
- *4 From November 2013
- *5 From May 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Preparation for radio, Japan only , (ER5)

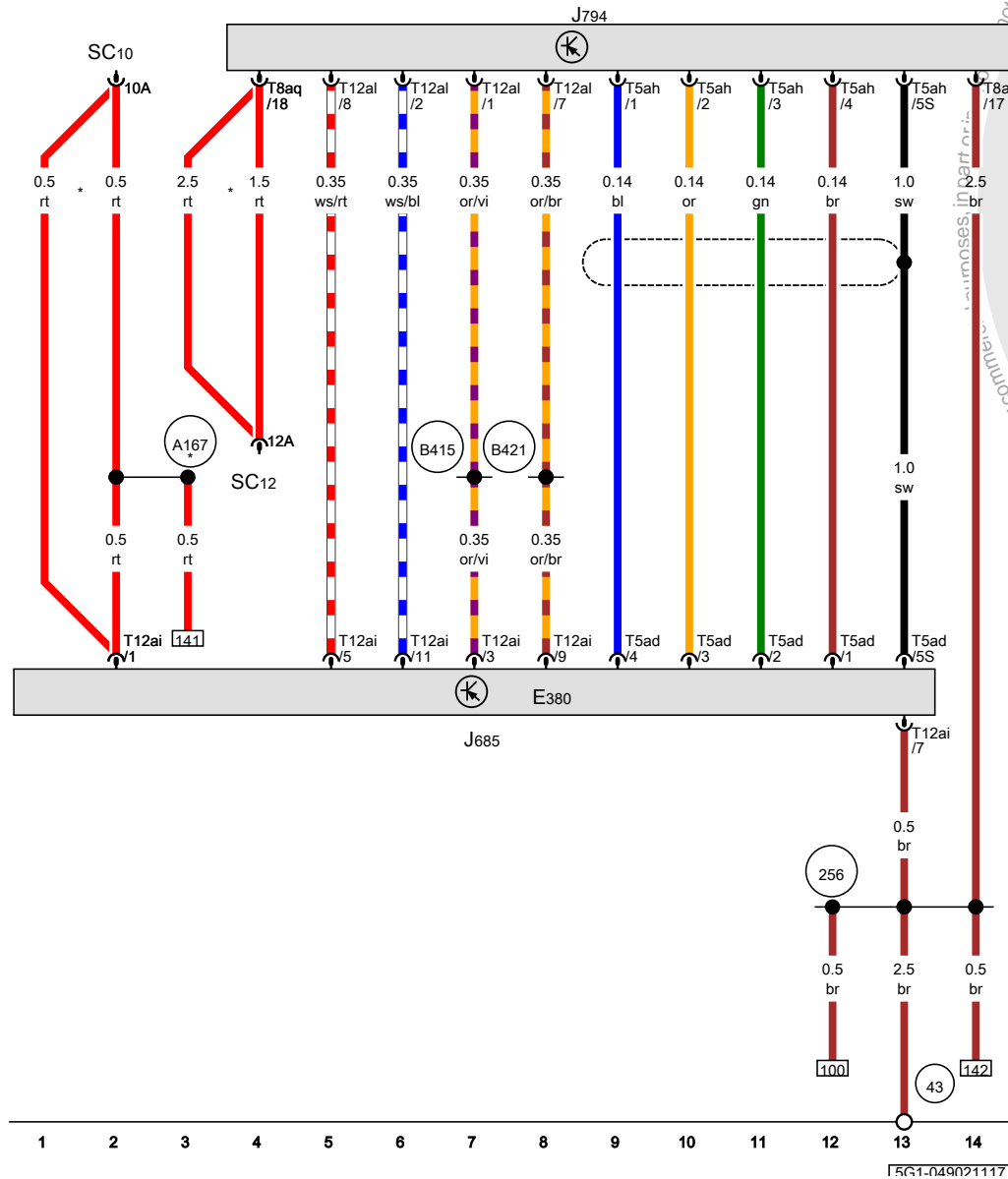
From April 2013



Multimedia system operating unit, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics

- E380 Multimedia system operating unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- SC10 Fuse 10 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- T5ad 5-pin connector
- T5ah 5-pin connector, grey
- T8aq 8-pin connector, black
- T12ai 12-pin connector
- T12al 12-pin connector, grey

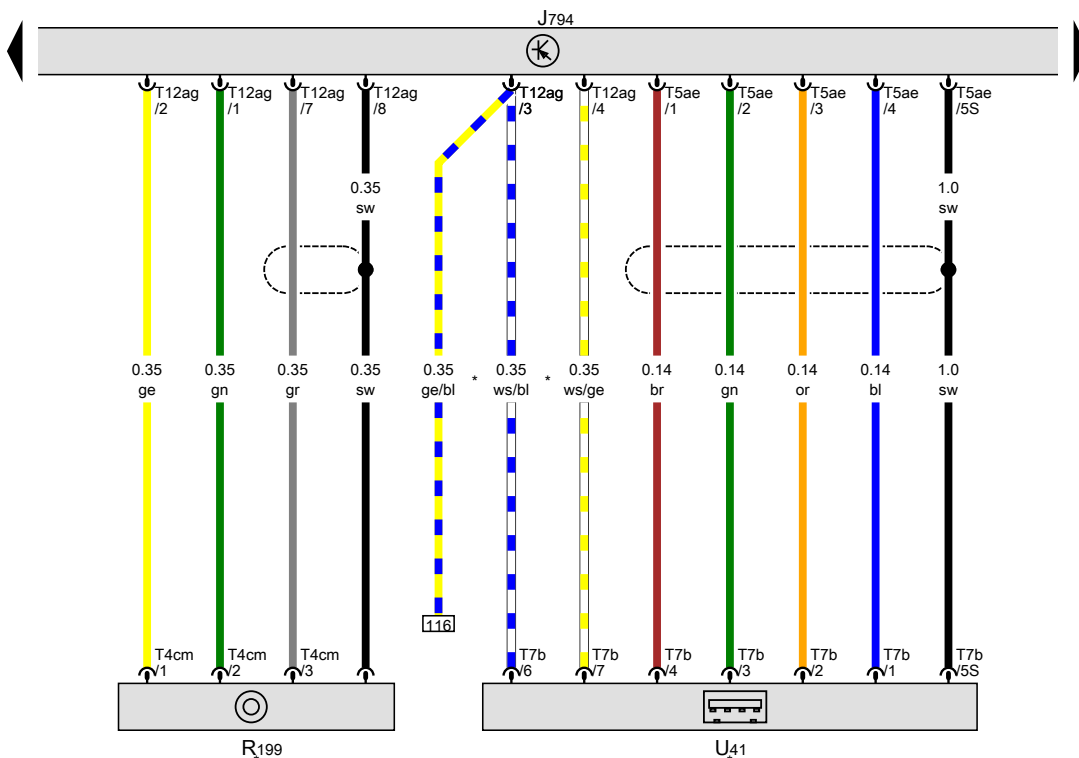
- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness
- * According to equipment



15G1-0490211171

Control unit 1 for information electronics, Connection for external audio sources, USB connection 1

- J794 Control unit 1 for information electronics
- R199 Connection for external audio sources
- T4cm 4-pin connector
- T5ae 5-pin connector, yellow
- T7b 7-pin connector
- T12ag 12-pin connector, green
- U41 USB connection 1
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit 1 for information electronics, Interface for external multimedia unit

J794 Control unit 1 for information electronics
R215 Interface for external multimedia unit
T12ag 12-pin connector, green
T16v 16-pin connector

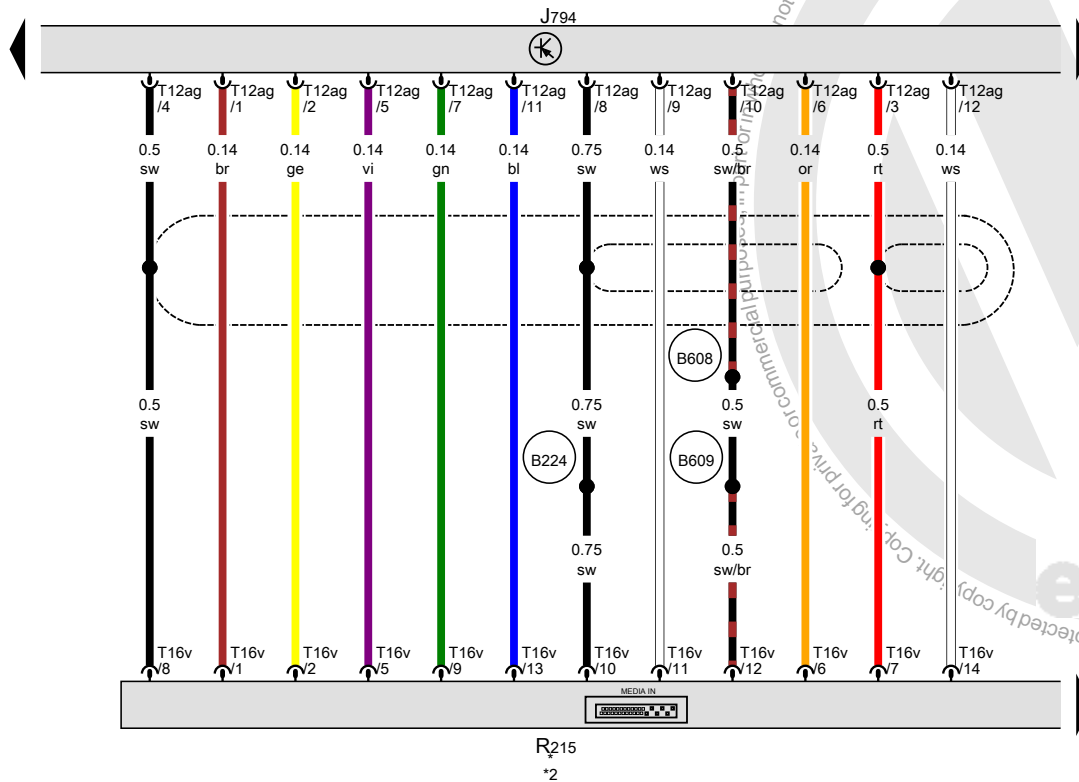
B224 Connection 1 (radio), in interior wiring harness

B608 Connection 4, in interior wiring harness

B609 Connection 5, in interior wiring harness

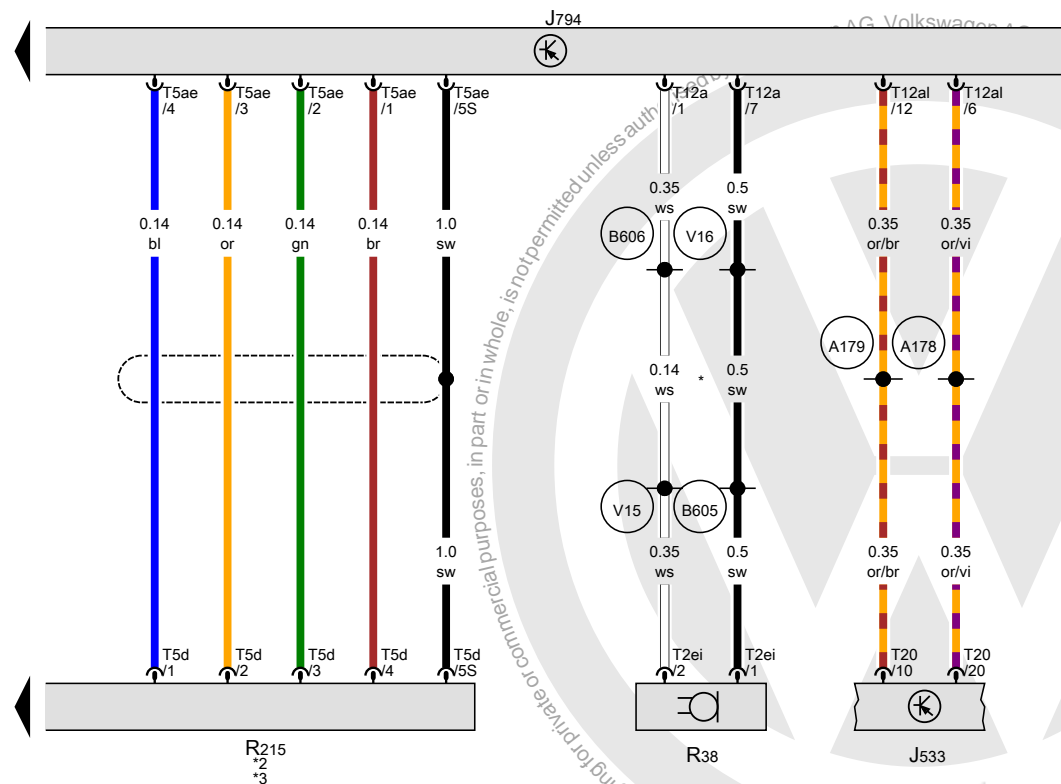
* According to equipment

*2 Up to November 2015



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Data bus diagnostic interface, Control unit 1 for information electronics, Telephone microphone, Interface for external multimedia unit



- J533 Data bus diagnostic interface
- J794 Control unit 1 for information electronics
- R38 Telephone microphone
- R215 Interface for external multimedia unit
- T2ei 2-pin connector
- T5ae 5-pin connector, yellow
- T5d 5-pin connector
- T12a 12-pin connector, blue
- T12al 12-pin connector, grey
- T20 20-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B605 Connection 1, in interior wiring harness
- B606 Connection 2, in interior wiring harness
- V15 Connection, in telephone wiring harness
- V16 Connection (screening), in telephone wiring harness
- * Cross section depends on equipment
- *2 According to equipment
- *3 Up to November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

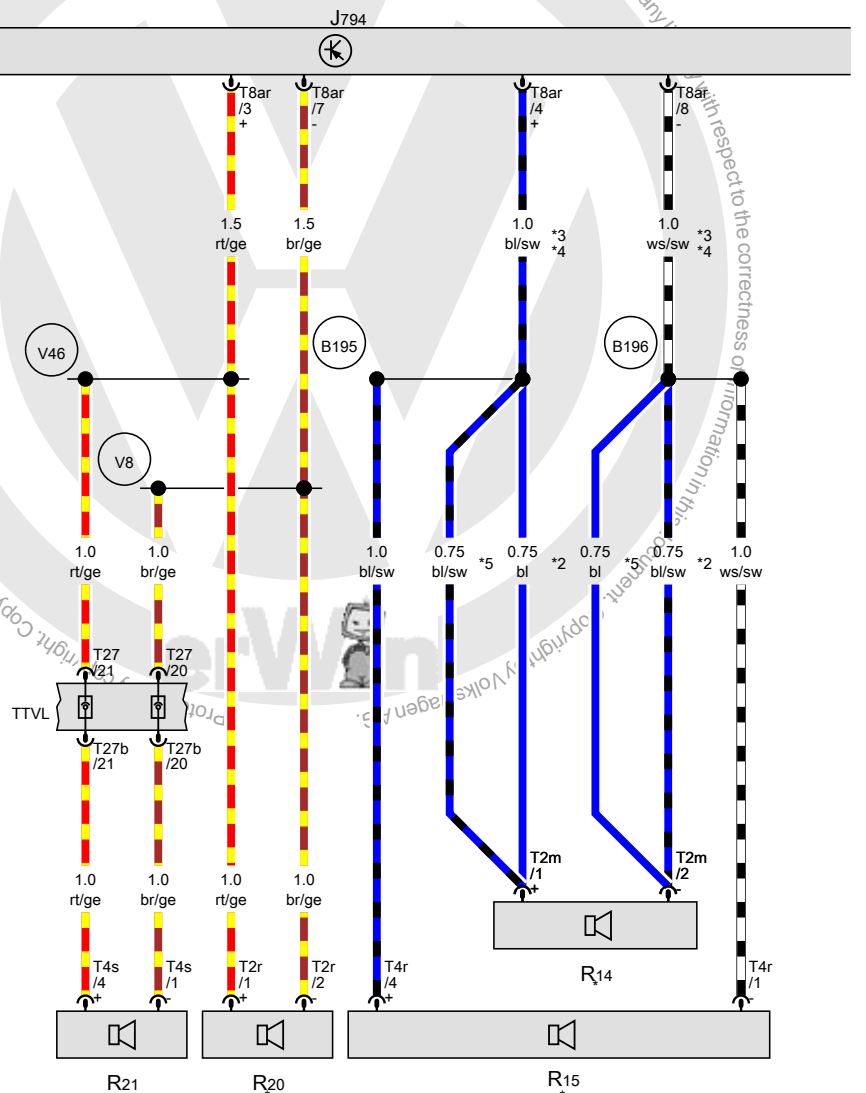
Control unit 1 for information electronics, Rear left treble loudspeaker, Rear left bass loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- J794 Control unit 1 for information electronics
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T2m 2-pin connector
- T2r 2-pin connector
- T4r 4-pin connector
- T4s 4-pin connector
- T8ar 8-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- TTVL Coupling point for front left door

- B195 Connection (positive, rear left loudspeaker), in interior wiring harness
- B196 Connection (negative, rear left loudspeaker), in interior wiring harness
- V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness
- V46 Connection (front left loudspeaker), in loudspeaker wiring harness

- * According to equipment
- *2 Up to May 2017
- *3 For models with 2 doors
- *4 Wiring colour depends on equipment
- *5 From May 2017

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

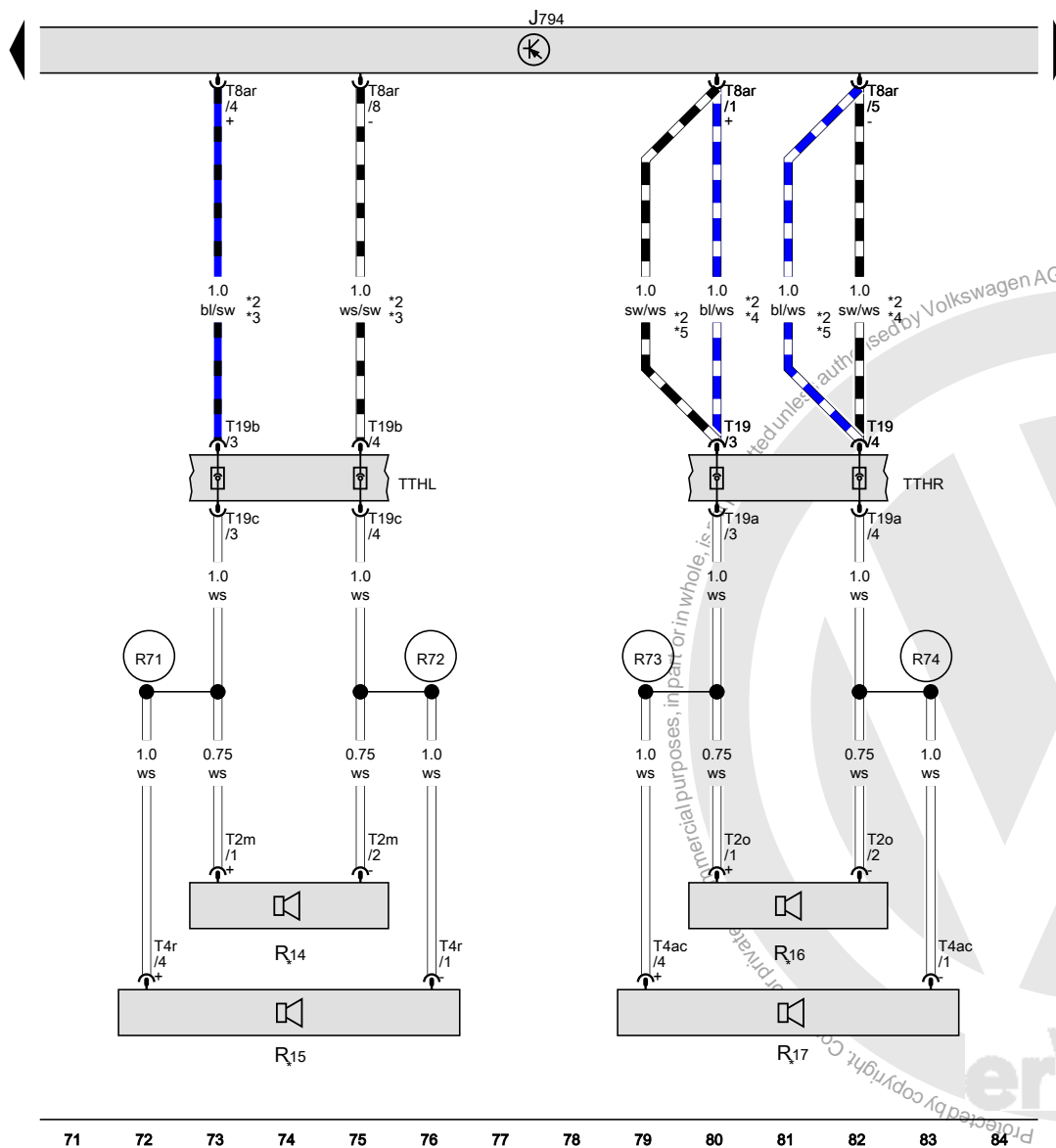


Control unit 1 for information electronics

- J794 Control unit 1 for information electronics
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T2m 2-pin connector
- T2o 2-pin connector
- T4ac 4-pin connector
- T4r 4-pin connector
- T8ar 8-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- TTHL Coupling point for rear left door
- TTHR Coupling point for rear right door

- R71 Connection (positive, loudspeaker)), in rear left door wiring harness
- R72 Connection (negative, loudspeaker), in rear left door wiring harness
- R73 Connection (positive, loudspeaker)), in rear right door wiring harness
- R74 Connection (negative, loudspeaker), in rear right door wiring harness
- * According to equipment
- *2 For models with 4 doors
- *3 Wiring colour depends on equipment
- *4 Up to November 2013
- *5 From November 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



15G1-0490711171

Control unit 1 for information electronics, Rear right treble loudspeaker, Rear right bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J794 Control unit 1 for information electronics

R16 Rear right treble loudspeaker

R17 Rear right bass loudspeaker

R22 Front right treble loudspeaker

R23 Front right bass loudspeaker

T2o 2-pin connector

T2t 2-pin connector

T4ac 4-pin connector

T4ad 4-pin connector

T8ar 8-pin connector

T27a 27-pin connector, black

T27c 27-pin connector, black

TTVR Coupling point for front right door

B193 Connection (positive, rear right loudspeaker), in interior wiring harness

B194 Connection (negative, rear right loudspeaker), in interior wiring harness

V9 Connection (positive, front right loudspeaker), in loudspeaker wiring harness

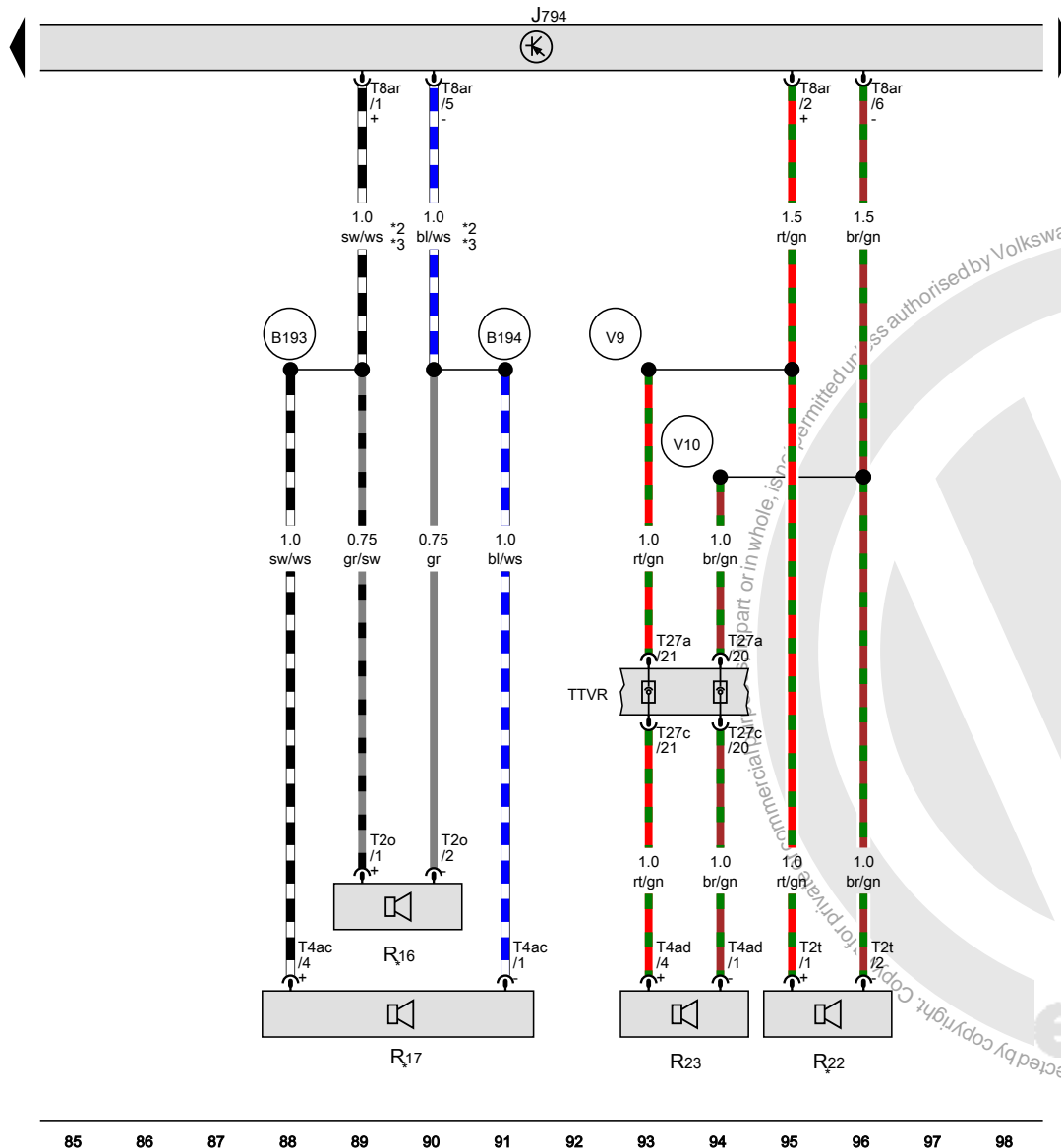
V10 Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* According to equipment

*2 For models with 2 doors

*3 Wiring colour depends on equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



85 86 87 88 89 90 91 92 93 94 95 96 97 98

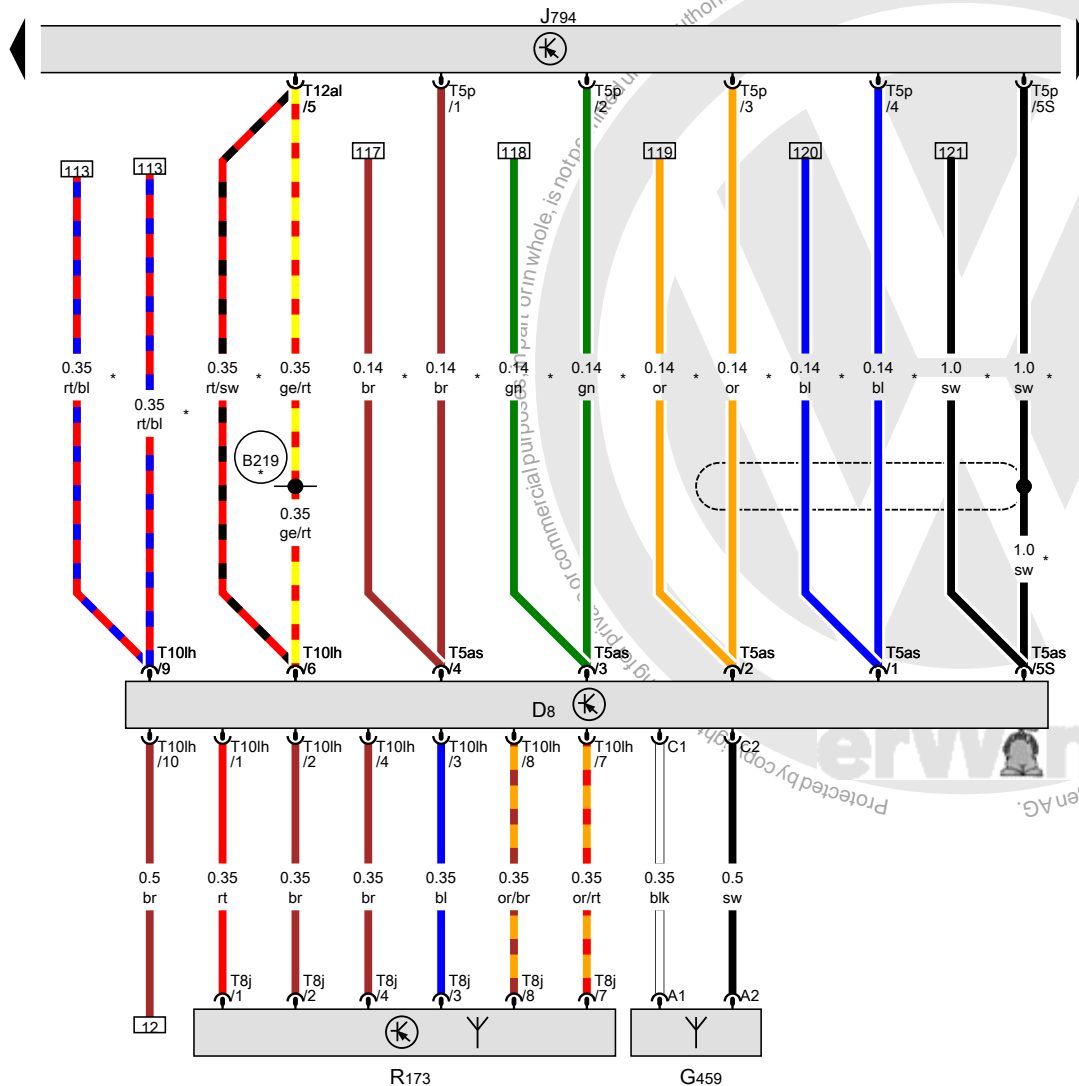
[5G1-049081117]

Chip card reader, Toll collection sender, Control unit 1 for information electronics, Traffic data aerial

- D8 Chip card reader
- G459 Toll collection sender
- J794 Control unit 1 for information electronics
- R173 Traffic data aerial
- T5as 5-pin connector, black
- T5p 5-pin connector
- T8j 8-pin connector
- T10lh 10-pin connector
- T12al 12-pin connector, grey

B219 Positive connection 4 (30a), in interior wiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

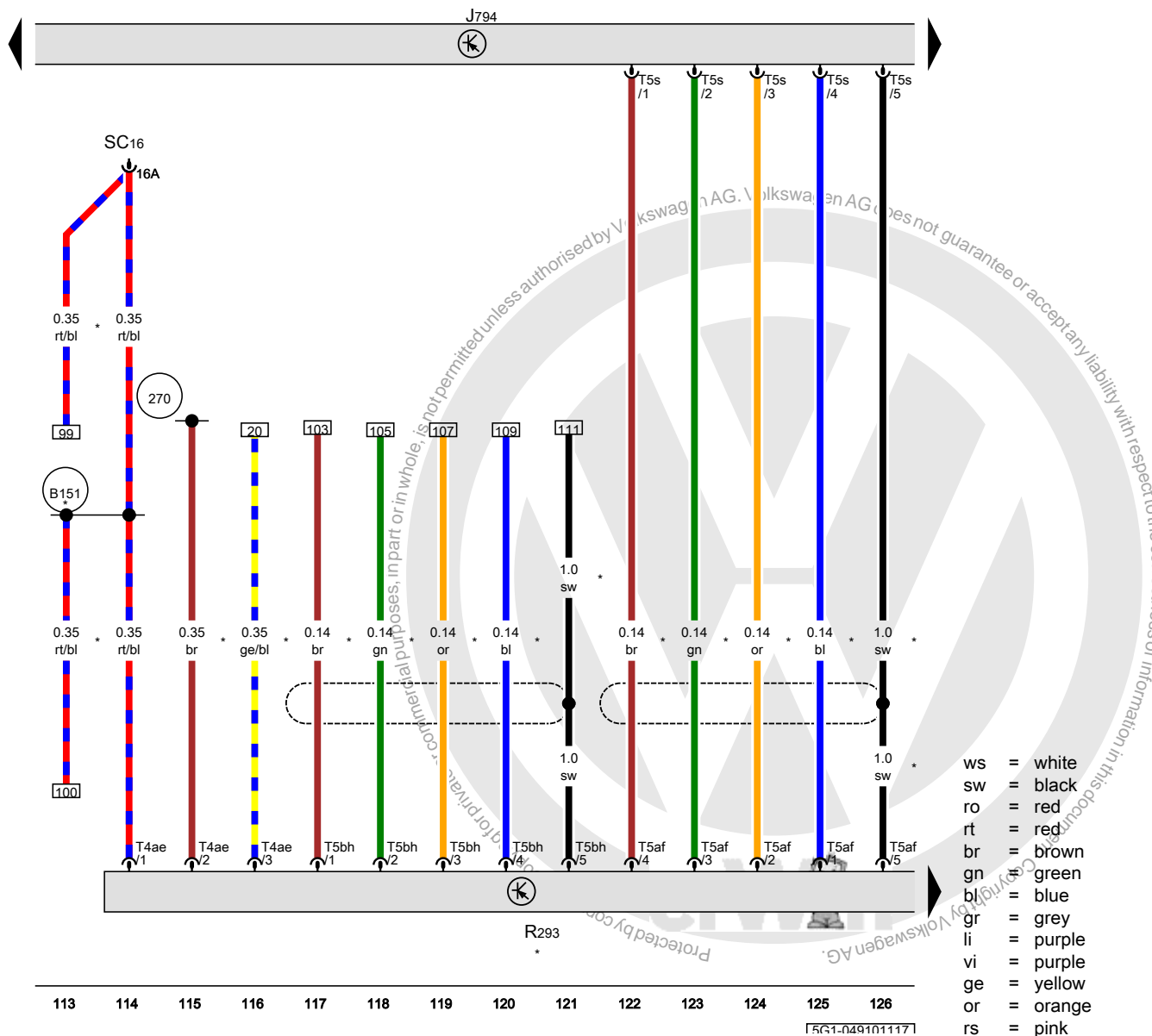
99 100 101 102 103 104 105 106 107 108 109 110 111 112

[5G1-049091117]

Control unit 1 for information electronics, USB hub

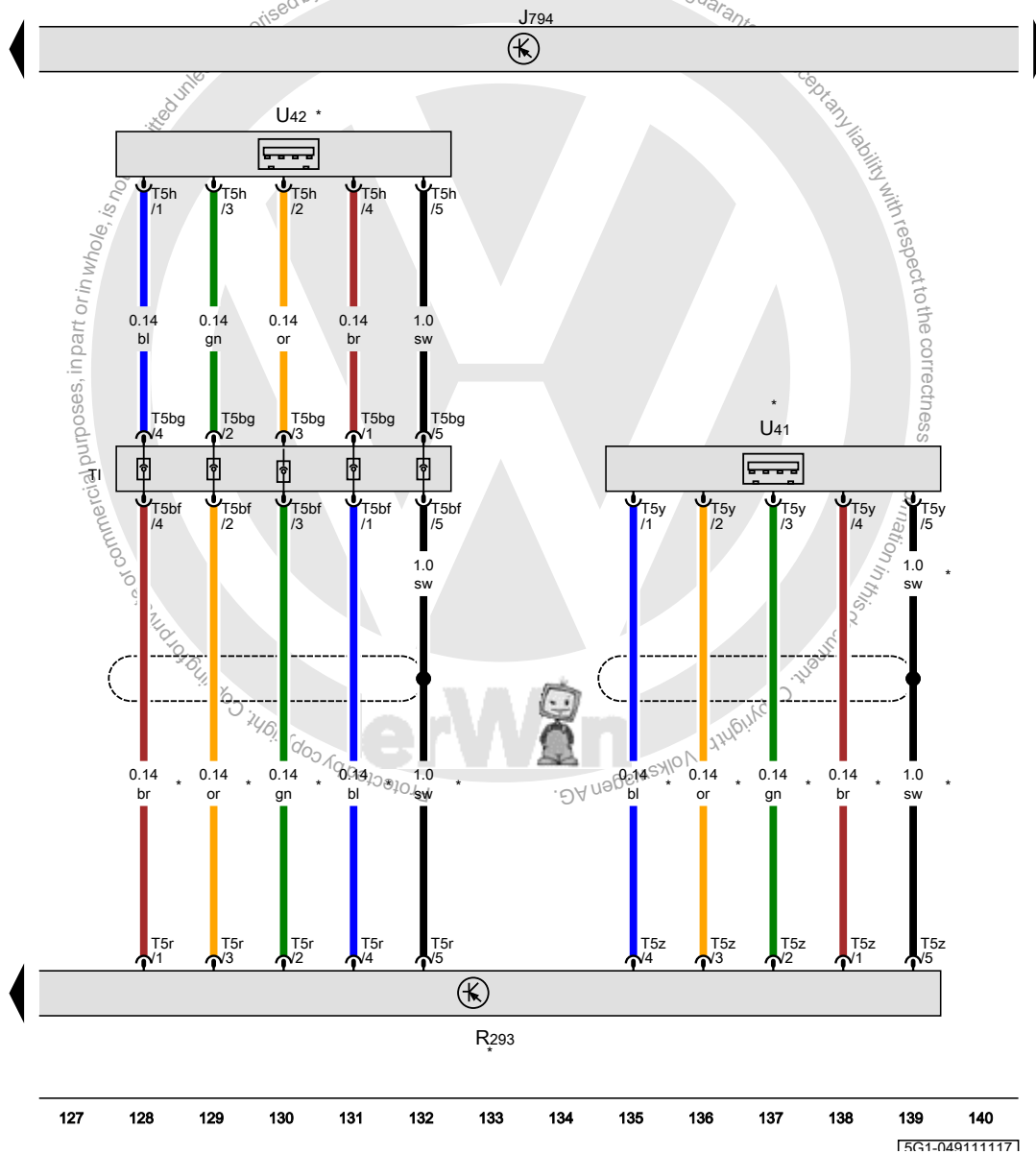
- J794 Control unit 1 for information electronics
- R293 USB hub, under centre console
- SC16 Fuse 16 on fuse holder C
- T4ae 4-pin connector, red
- T5af 5-pin connector, green
- T5bh 5-pin connector, black
- T5s 5-pin connector, yellow

- 270 Earth connection, in telephone wiring harness
- B151 Positive connection 3 (30a), in interior wiring harness
- * According to equipment



Control unit 1 for information electronics, USB hub, USB connection 1, USB connection 2

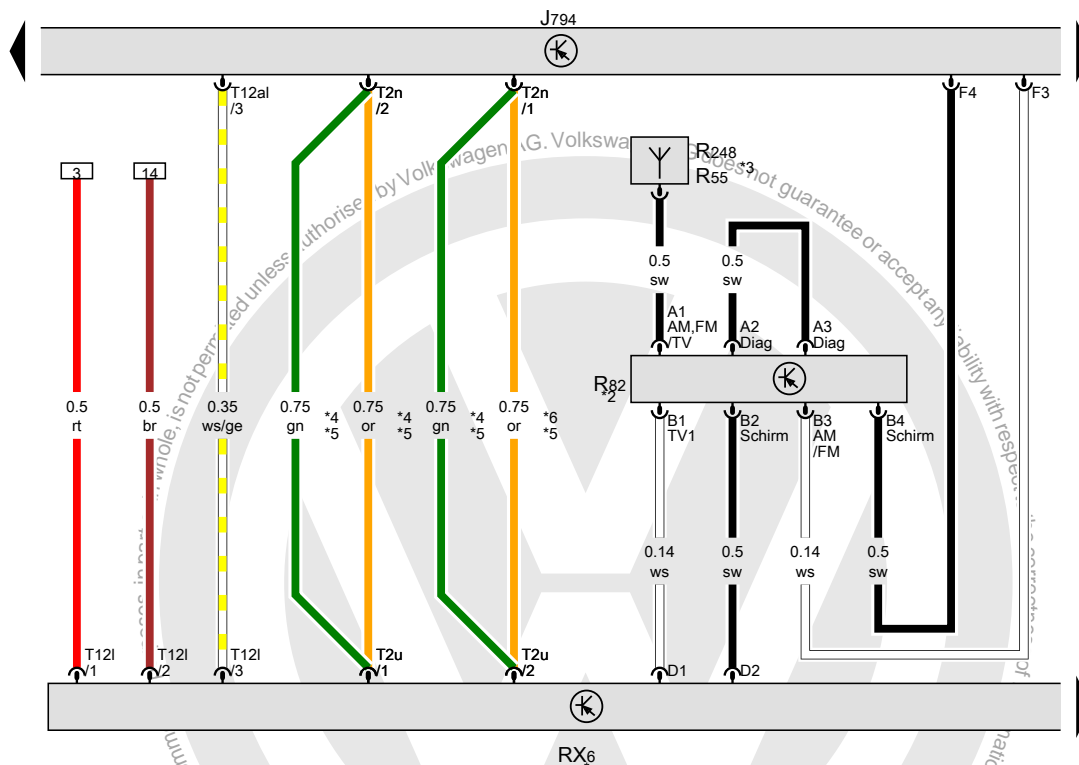
- J794 Control unit 1 for information electronics
- R293 USB hub, under centre console
- T5bf 5-pin connector, green
- T5bg 5-pin connector, green
- T5h 5-pin connector, green
- T5r 5-pin connector, brown
- T5y 5-pin connector, green
- T5z 5-pin connector, purple
- Tl Coupling point in interior
- U41 USB connection 1
- U42 USB connection 2
- * According to equipment



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

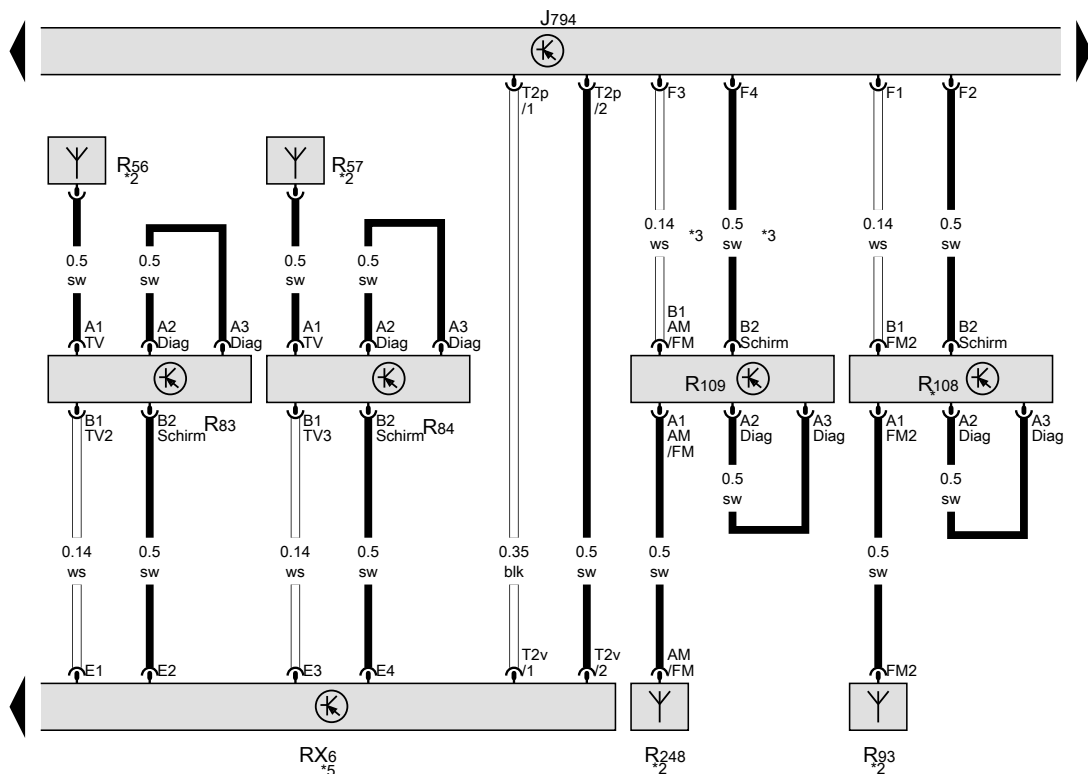
Control unit 1 for information electronics, TV tuner, Aerial amplifier 1 for TV

- J794 Control unit 1 for information electronics
- RX6 TV tuner
- R55 TV aerial 1
- R82 Aerial amplifier 1 for TV, Rear window, top right
- R248 Radio aerial
- T2n 2-pin connector, black
- T2u 2-pin connector, black
- T12al 12-pin connector, grey
- T12l 12-pin connector, black
- * According to equipment
- *2 For models with TV tuner
- *3 Rear window aerial
- *4 From May 2015
- *5 Fibre optic cable (FOC)
- *6 Up to May 2015



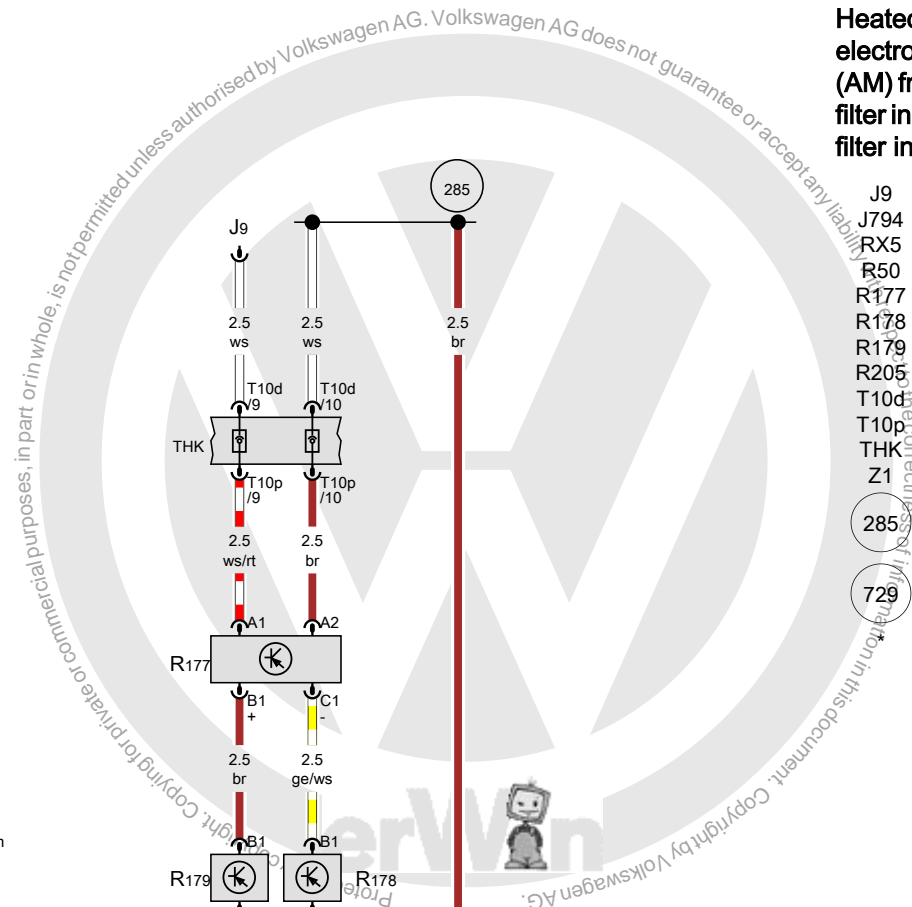
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit 1 for information electronics, TV tuner, Aerial amplifier 2 for TV, Aerial amplifier 3 for TV, Radio aerial 2, Left aerial module, Right aerial module, Radio aerial



- J794 Control unit 1 for information electronics
- RX6 TV tuner
- R56 TV aerial 2
- R57 TV aerial 3
- R83 Aerial amplifier 2 for TV, Rear window, bottom right
- R84 Aerial amplifier 3 for TV, Rear window, bottom left
- R93 Radio aerial 2
- R108 Left aerial module, Rear window, top left
- R109 Right aerial module, Rear window, top right
- R248 Radio aerial
- T2p 2-pin connector
- T2v 2-pin connector, green
- * For models with no digital radio
- *2 Rear window aerial
- *3 For models with no TV receiver
- *4 For models with TV tuner
- *5 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



According to equipment

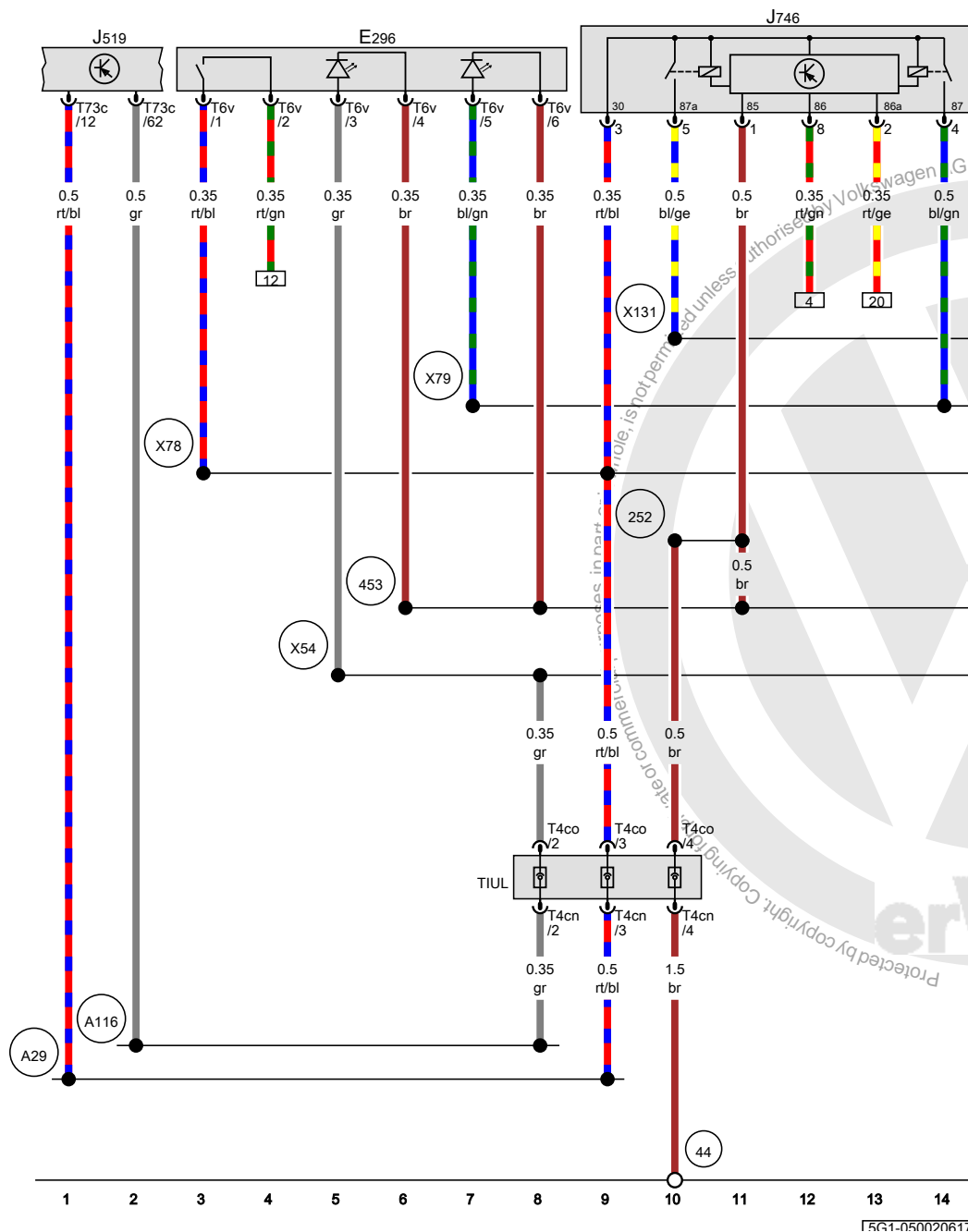
[5G1-049141117]

Driving school equipment , (F5F)

From January 2013

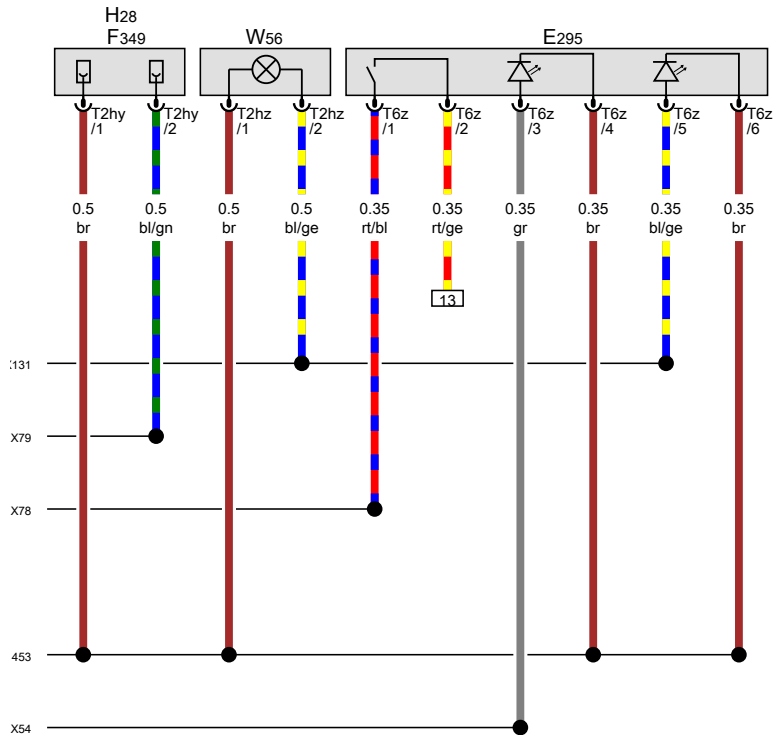


Warning buzzer switch, Onboard supply control unit, Driving school mode relay



- E296 Warning buzzer switch
- J519 Onboard supply control unit
- J746 Driving school mode relay
- T4cn 4-pin connector, black
- T4co 4-pin connector, black
- T6v 6-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 44 Earth point, lower part of left A-pillar
- 252 Earth connection, in optional equipment wiring harness
- 453 Earth connection 3, in optional equipment wiring harness
- A29 Connection (interior light), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- X54 Positive connection (58), in optional equipment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness
- X131 Connection 4, in optional equipment wiring harness

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Footwell light switch, Pedal switch for warning buzzer on front passenger side, Driving school vehicle footwell illumination

- E295 Footwell light switch
- F349 Pedal switch for warning buzzer on front passenger side
- H28 Driving school mode warning buzzer
- T2hy 2-pin connector
- T2hz 2-pin connector
- T6z 6-pin connector
- W56 Driving school vehicle footwell illumination

- 453 Earth connection 3, in optional equipment wiring harness
- X54 Positive connection (58), in optional equipment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness
- X131 Connection 4, in optional equipment wiring harness

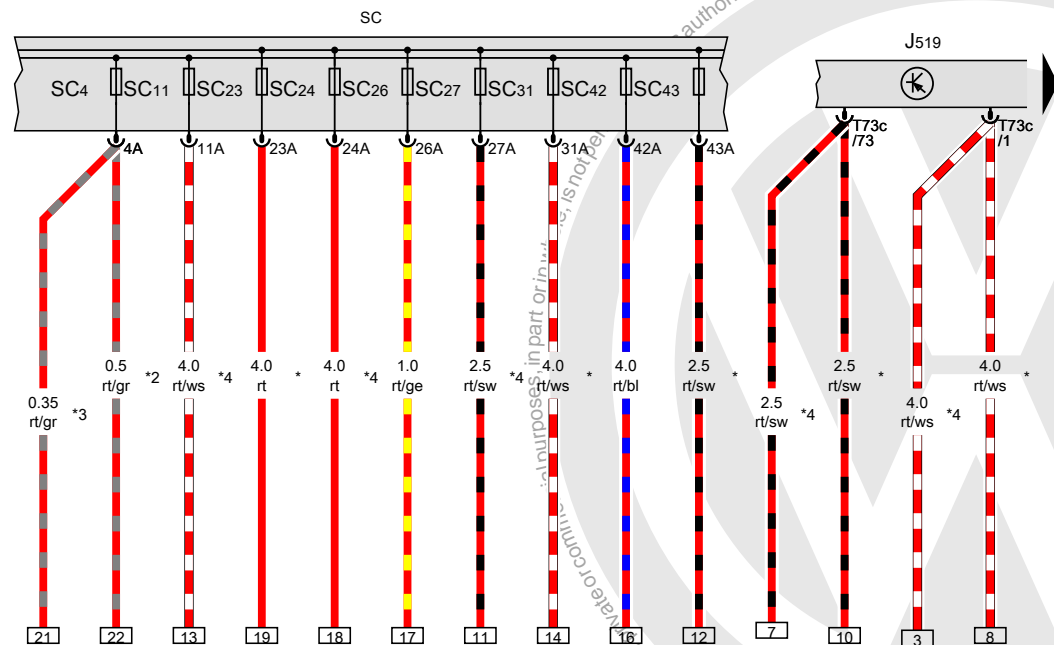
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Basic equipment

From May 2013

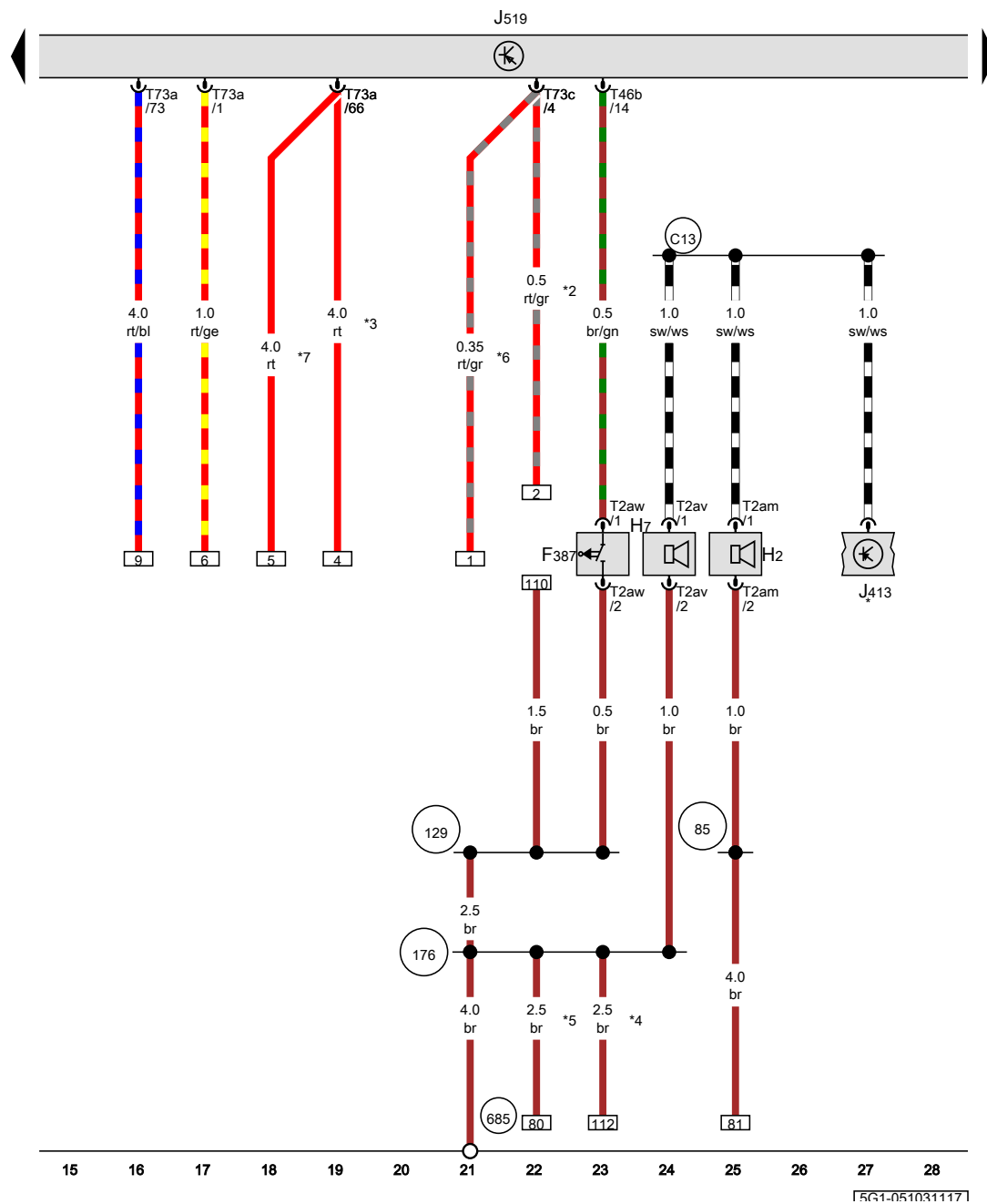


Onboard supply control unit, Fuse holder C



- J519 Onboard supply control unit
- SC Fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- T73c 73-pin connector
- * Up to May 2017
- *2 Up to November 2015
- *3 From November 2015
- *4 From May 2017

- ws = white
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- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

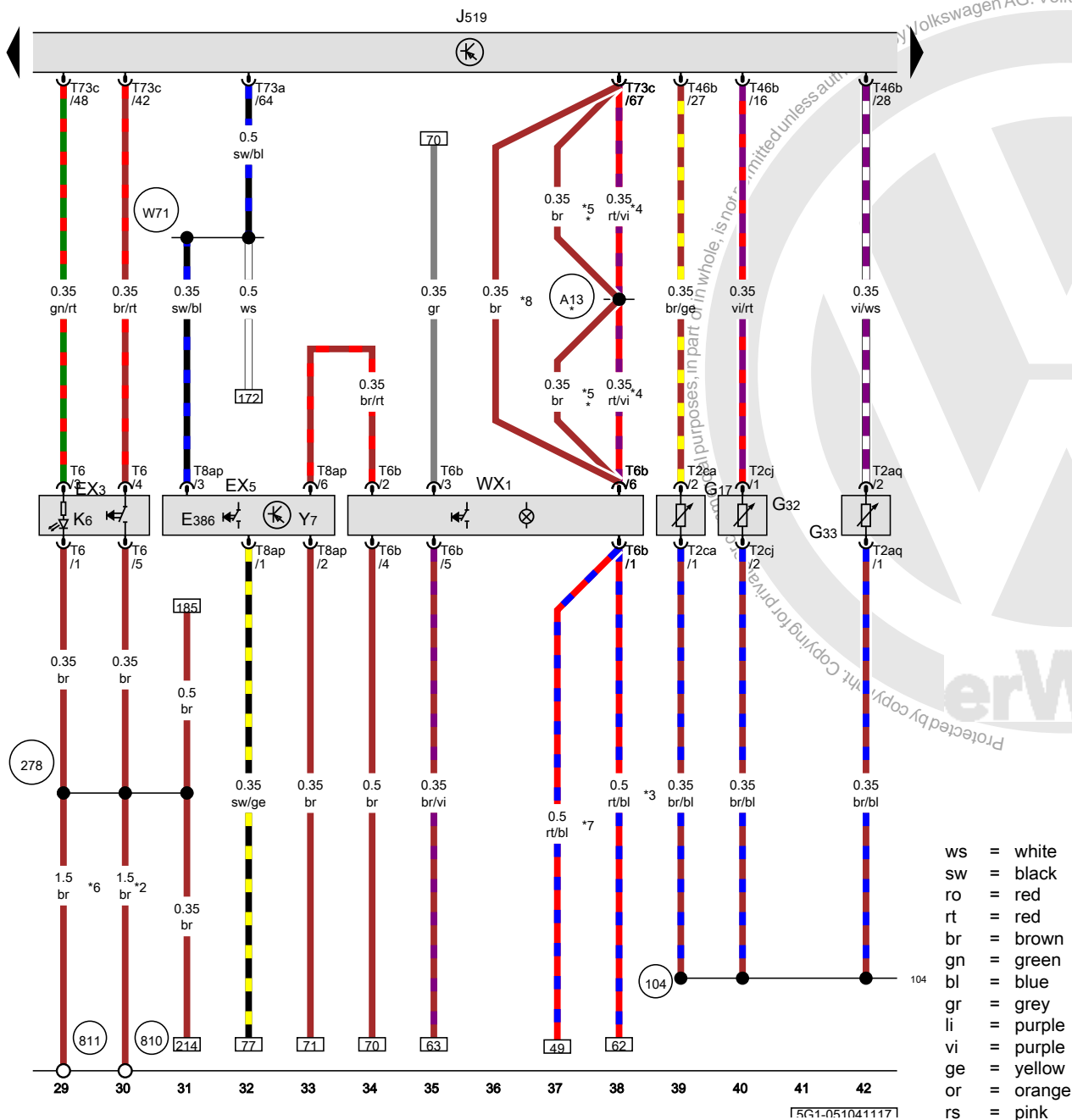


Bonnet contact switch, Treble horn, Bass horn, Onboard supply control unit

- F387 Bonnet contact switch
- H2 Treble horn
- H7 Bass horn
- J413 Horn relay
- J519 Onboard supply control unit
- T2am 2-pin connector
- T2av 2-pin connector
- T2aw 2-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- C13 Positive connection in dual tone horn wiring harness
- * see applicable current flow diagram for fuse assignment
- *2 Up to November 2015
- *3 Up to May 2017
- *4 Cross section depends on equipment
- *5 For right-hand drive models
- *6 From November 2015
- *7 From May 2017

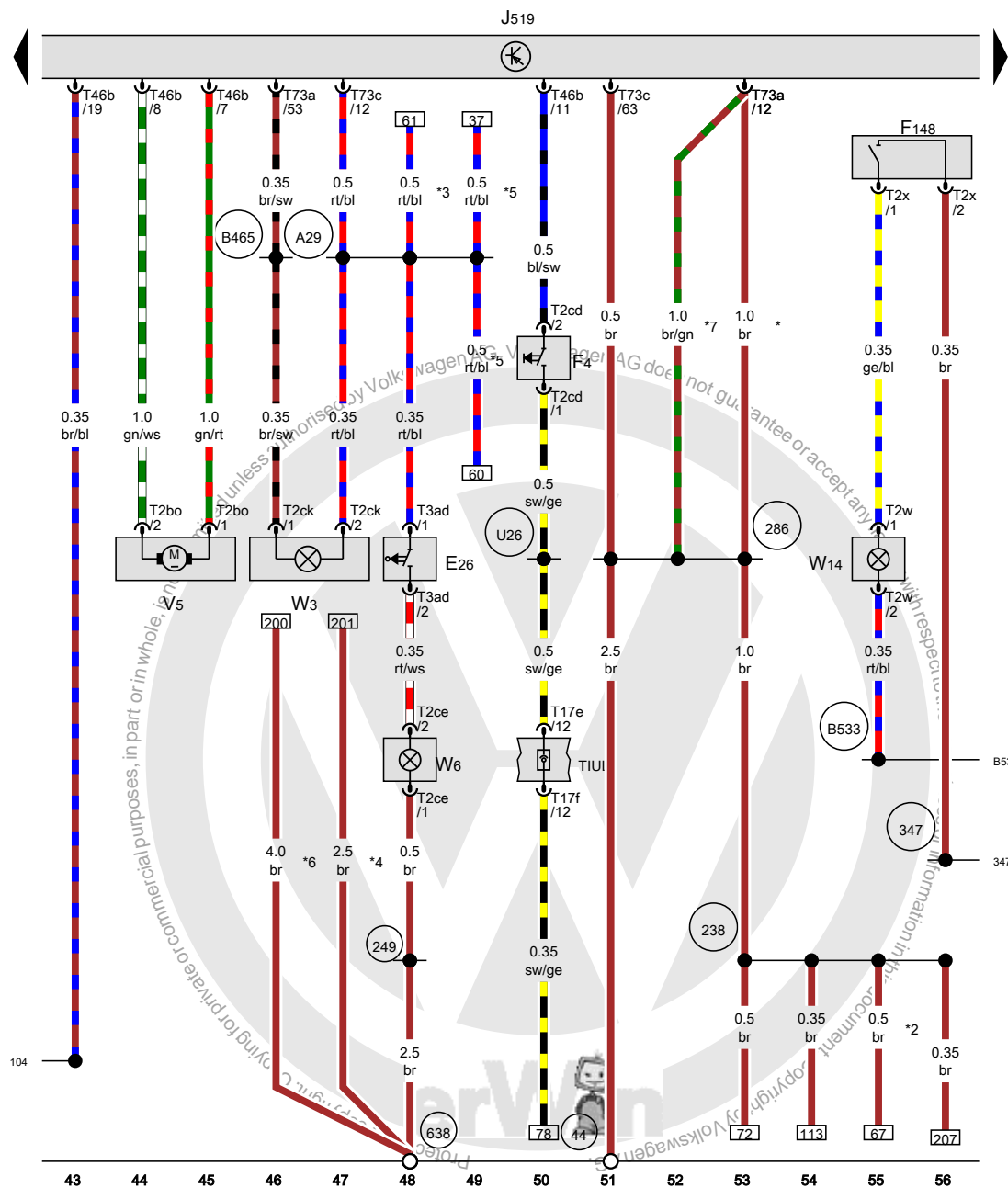
- ws = white
- sw = black
- ro = red
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- vi = purple
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Hazard warning light switch, Interior mirror, Anti-dazzle interior mirror button, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit, Front interior light

- EX3 Hazard warning light switch
- EX5 Interior mirror
- E386 Anti-dazzle interior mirror button
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2aq 2-pin connector
- T2ca 2-pin connector, black
- T2cj 2-pin connector
- T6 6-pin connector
- T6b 6-pin connector
- T8ap 8-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- WX1 Front interior light
- Y7 Automatic anti-dazzle interior mirror
- 104 Earth connection in front right wiring harness - sensor earth -
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A13 Connection (door contact switch), in dash panel wiring harness
- W71 Connection (reversing light), in rear wiring harness
- * Up to May 2017
- *2 For left-hand drive models
- *3 Up to November 2015
- *4 Up to November 2013
- *5 From November 2013
- *6 For right-hand drive models
- *7 From November 2015
- *8 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

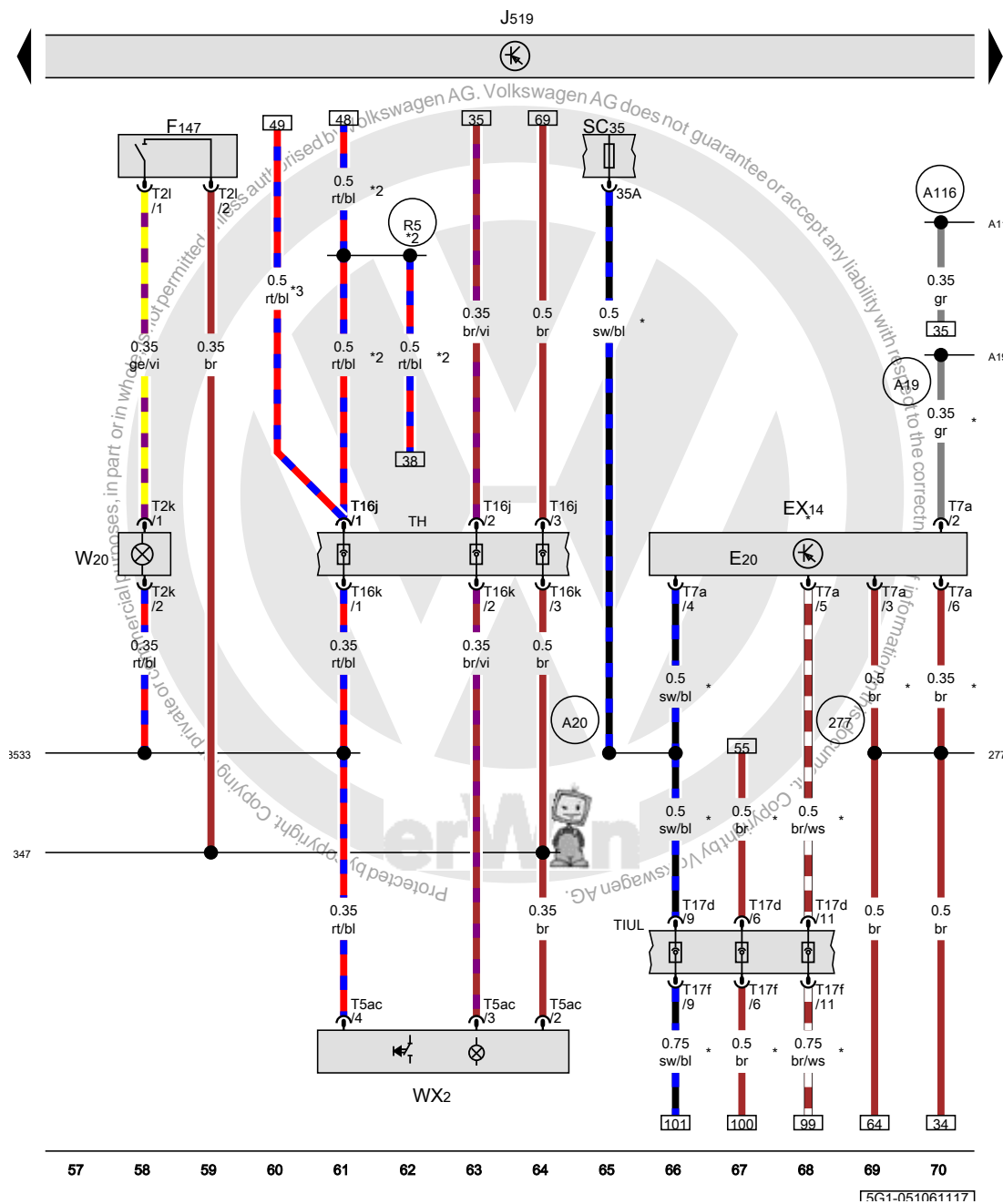


Glove compartment light switch, Reversing light switch, Front passenger vanity mirror contact switch, Onboard supply control unit, Washer pump, Luggage compartment light, Glove compartment light, Front passenger side illuminated vanity mirror

- E26 Glove compartment light switch
- F4 Reversing light switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- T2bo 2-pin connector
- T2cd 2-pin connector
- T2ce 2-pin connector
- T2ck 2-pin connector
- T2w 2-pin connector
- T2x 2-pin connector
- T3ad 3-pin connector
- T17e 17-pin connector, brown
- T17f 17-pin connector, black
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- V5 Washer pump
- W3 Luggage compartment light
- W6 Glove compartment light
- W14 Front passenger side illuminated vanity mirror

- 44 Earth point, lower part of left A-pillar
- 104 Earth connection in front right wiring harness - sensor earth -
- 238 Earth connection 1, in interior wiring harness
- 249 Earth connection 2, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 347 Earth connection, in roof wiring harness
- 638 Earth point, on right A-pillar
- A29 Connection (interior light), in dash panel wiring harness
- B465 Connection 1, in main wiring harness
- B533 Connection 1 (DCT), in roof wiring harness
- U26 Connection (15) in gearbox switch wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown



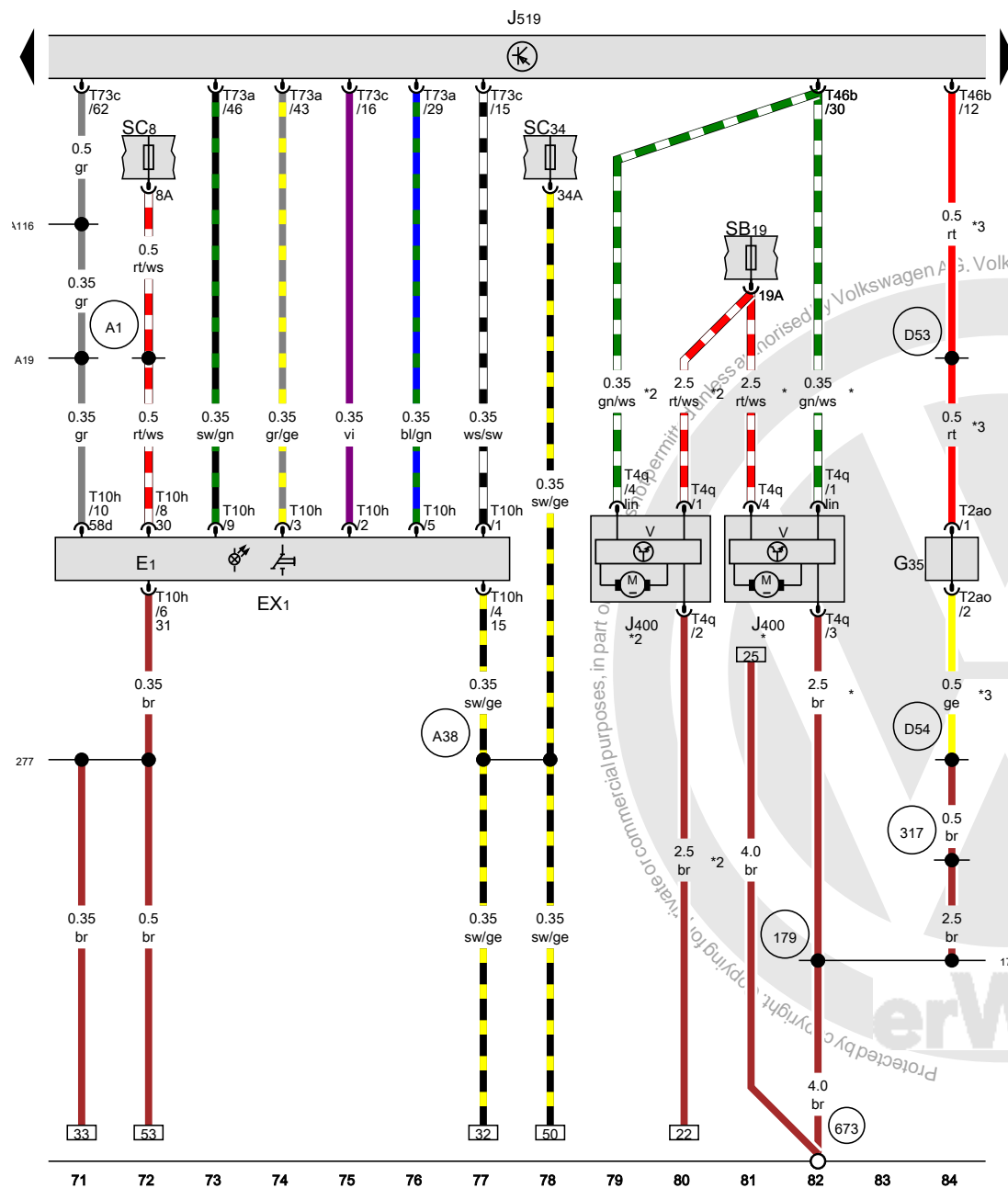
Switch and instrument illumination regulator, Driver vanity mirror contact switch, Onboard supply control unit, Rear interior light, Driver side illuminated vanity mirror

- EX14 Headlight range control and instrument illumination regulator
- E20 Switch and instrument illumination regulator
- F147 Driver vanity mirror contact switch
- J519 Onboard supply control unit
- SC35 Fuse 35 on fuse holder C
- T2k 2-pin connector
- T2l 2-pin connector
- T5ac 5-pin connector
- T7a 7-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- TH Coupling point for roof
- TIUL Coupling point in interior, below left
- WX2 Rear interior light
- W20 Driver side illuminated vanity mirror

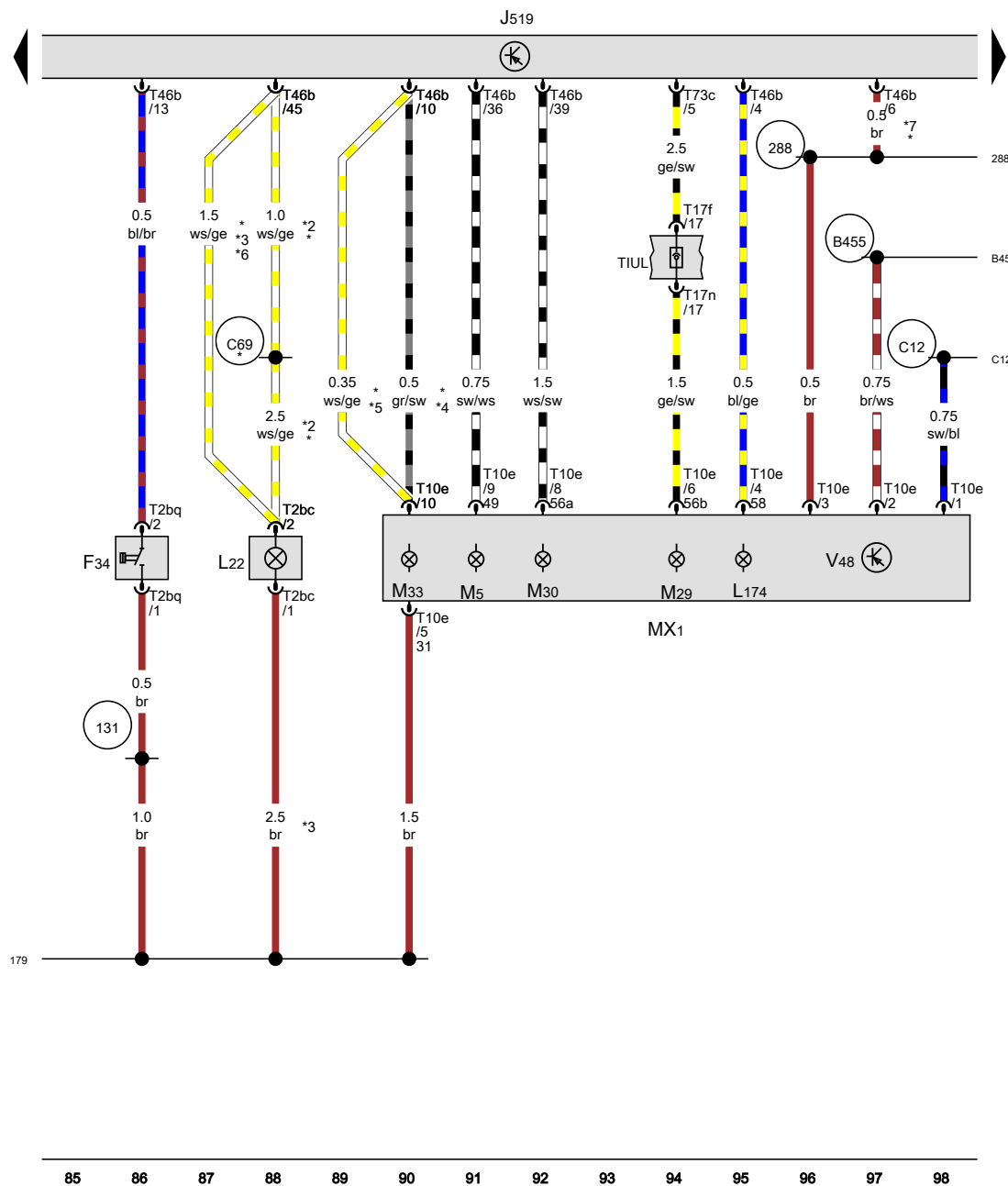
- 277 Earth connection 3, in interior wiring harness
- 347 Earth connection, in roof wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- B533 Connection 1 (DCT), in roof wiring harness
- R5 Connection 2, in interior light wiring harness

- * According to equipment
- *2 Up to November 2015
- *3 From November 2015

Light switch, Front right brake pad wear sender, Wiper motor control unit, Onboard supply control unit



- | | |
|------|---|
| E1 | Light switch |
| EX1 | Rotary light switch |
| G35 | Front right brake pad wear sender |
| J400 | Wiper motor control unit |
| J519 | Onboard supply control unit |
| SC8 | Fuse 8 on fuse holder C |
| SB19 | Fuse 19 on fuse holder B |
| SC34 | Fuse 34 on fuse holder C |
| T2ao | 2-pin connector |
| T4q | 4-pin connector |
| T10h | 10-pin connector |
| T46b | 46-pin connector |
| T73a | 73-pin connector, black |
| T73c | 73-pin connector |
| V | Windscreen wiper motor |
| 179 | Earth connection, in left headlight wiring harness |
| 277 | Earth connection 3, in interior wiring harness |
| 317 | Earth connection 7, in engine compartment wiring harness |
| 673 | Earth point 3, on front of left longitudinal member |
| A1 | Positive connection (30a), in dash panel wiring harness |
| A19 | Connection (58d), in dash panel wiring harness |
| A38 | Positive connection 2 (15a) in dash panel wiring harness |
| A116 | Connection 2 (58d), in dash panel wiring harness |
| D53 | Connection (right brake wear indicator), in engine compartment wiring harness |
| D54 | Connection (right brake wear indicator), in engine compartment wiring harness |
| * | For left-hand drive models |
| *2 | For right-hand drive models |
| *3 | Different wire colour possible |



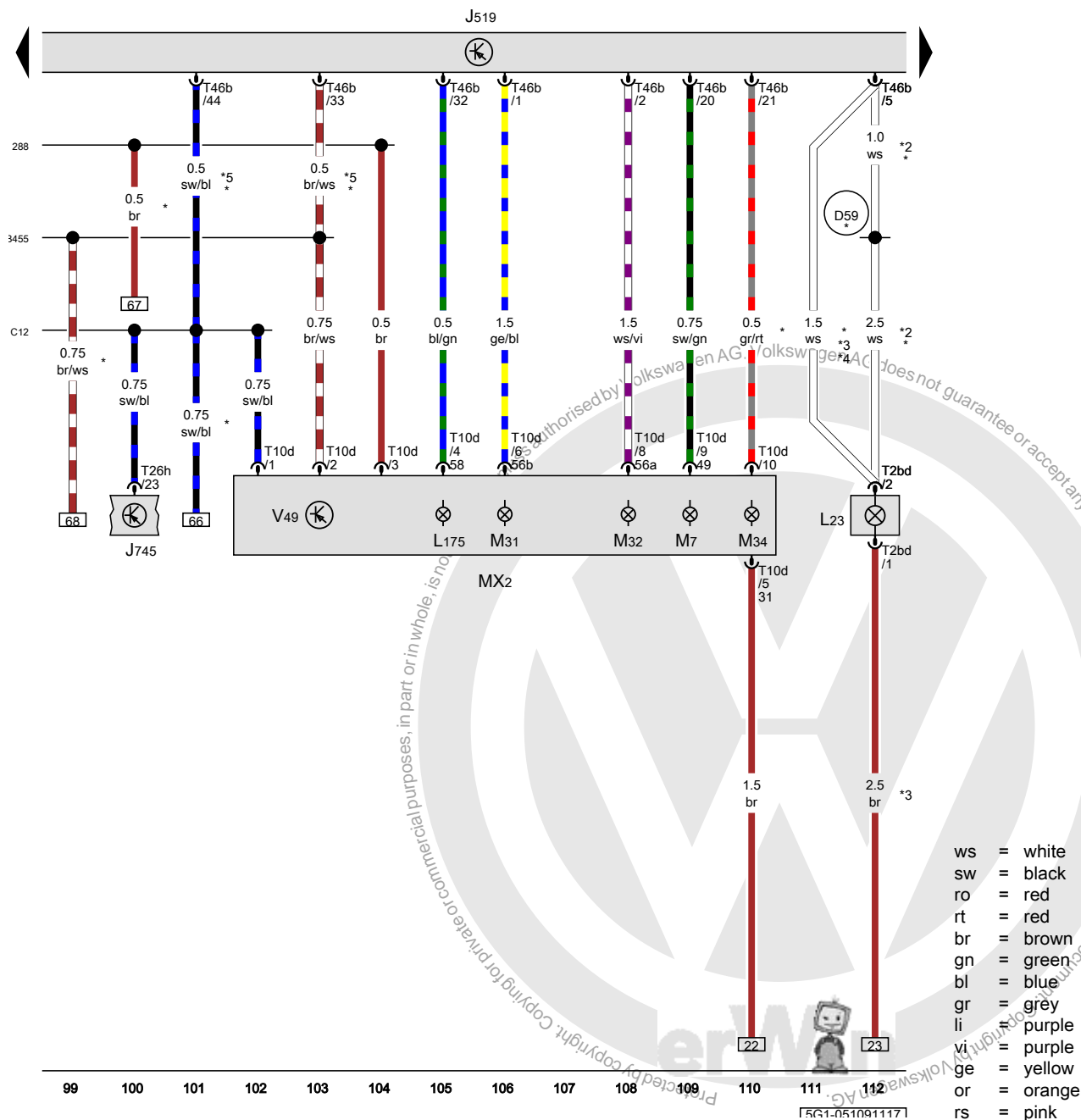
Brake fluid level warning contact, Onboard supply control unit, Left fog light bulb, Left daytime running light bulb, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Front left side marker bulb, Left headlight range control motor

- F34 Brake fluid level warning contact
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Front left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- M33 Front left side marker bulb
- T2bc 2-pin connector
- T2bq 2-pin connector
- T10e 10-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- T46b 46-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- V48 Left headlight range control motor

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- B455 Connection (HRC), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- C69 Front left connection (fog light), in main wiring harness

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

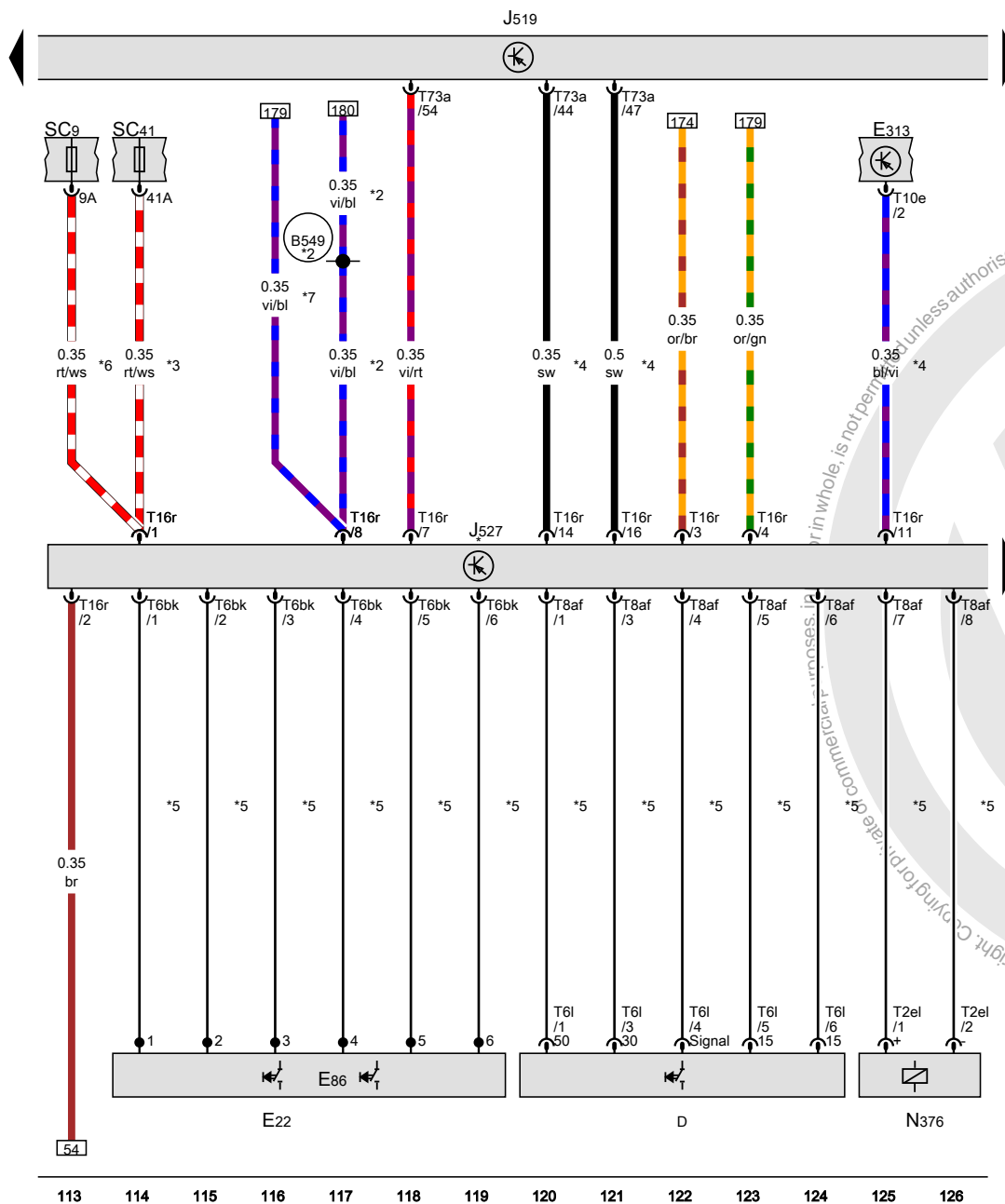
- * According to equipment
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment
- *4 Up to November 2016
- *5 From November 2016
- *6 Different wire colour possible
- *7 From May 2017



Onboard supply control unit, Control unit for cornering light and headlight range control, Right fog light bulb, Right daytime running light bulb, Front right headlight, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Front right side marker bulb, Right headlight range control motor

- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- L23 Right fog light bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- M34 Front right side marker bulb
- T2bd 2-pin connector
- T10d 10-pin connector, black
- T26h 26-pin connector
- T46b 46-pin connector
- V49 Right headlight range control motor

- 288 Earth connection (HRC), in dash panel wiring harness
- B455 Connection (HRC), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- D59 Connection (fog light), in engine compartment wiring harness
- * According to equipment
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment
- *4 Different wire colour possible
- *5 From May 2017

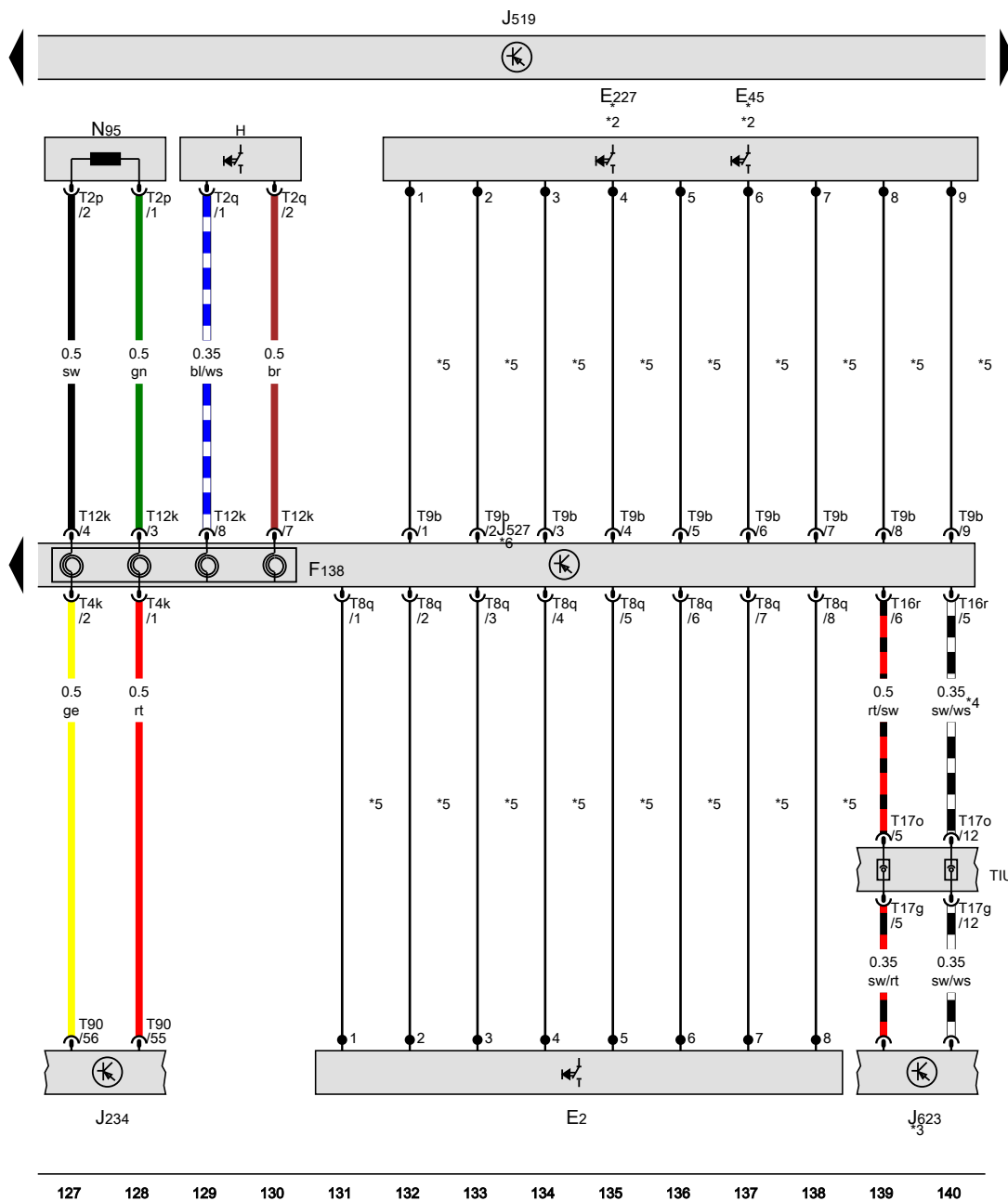


Ignition/starter switch, Intermittent wiper switch, Multifunction display call-up button, Selector lever, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid

- D Ignition/starter switch
- E22 Intermittent wiper switch
- E86 Multifunction display call-up button
- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid
- SC9 Fuse 9 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T2el 2-pin connector
- T6bk 6-pin connector
- T6l 6-pin connector
- T8af 8-pin connector
- T10e 10-pin connector
- T16r 16-pin connector
- T73a 73-pin connector, black
- (B549) Connection 2 (LIN bus) in main wiring harness

- * For models with no heated steering wheel
- *2 Up to November 2015
- *3 Up to November 2013
- *4 Wiring colour depends on equipment
- *5 Adapter wire
- *6 From November 2013
- *7 From November 2015

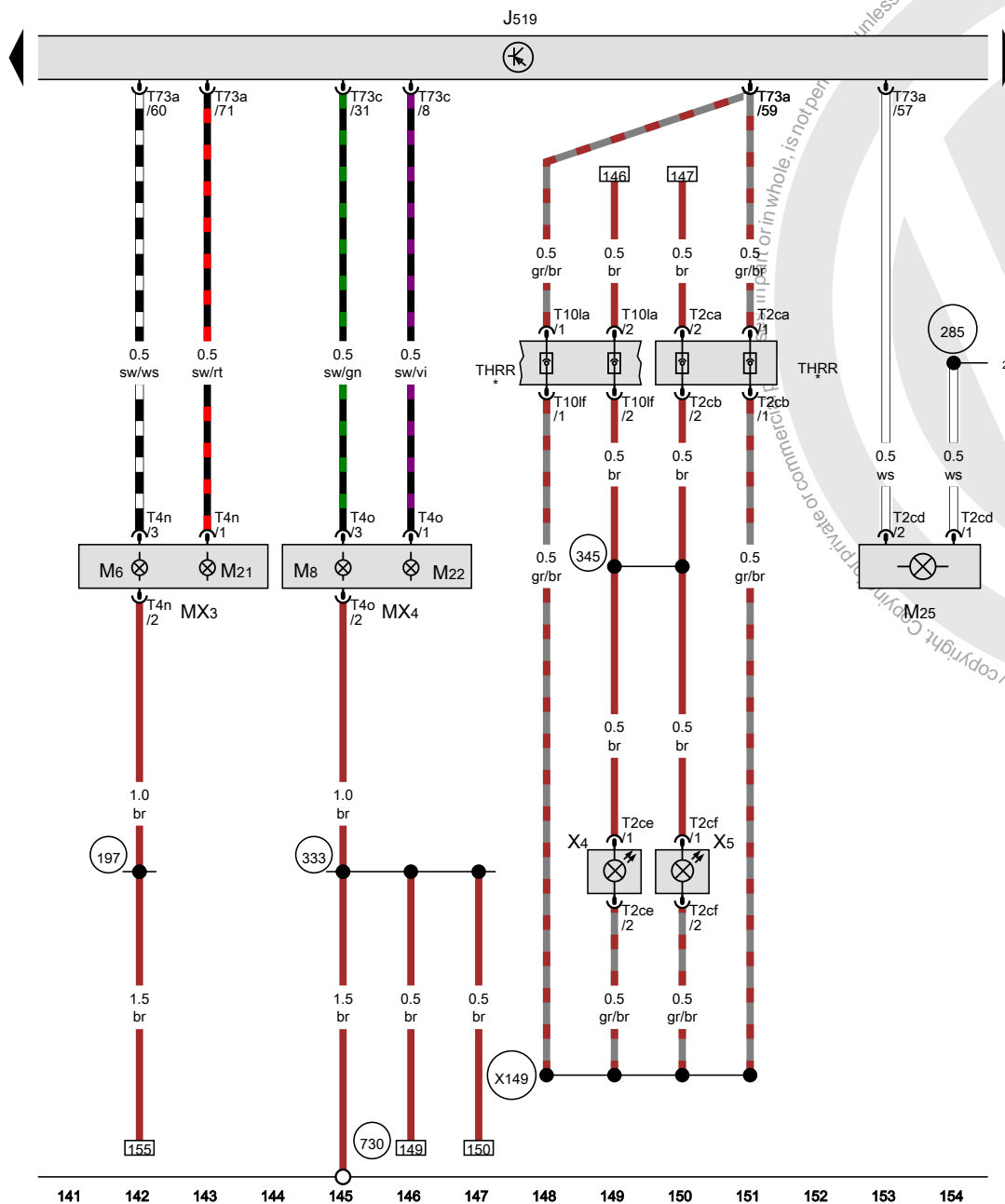
- ws = white
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- bl = blue
- gr = grey
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- ge = yellow
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Turn signal switch, Cruise control system switch, Cruise control system (CCS) SET button, Horn plate, Airbag control unit, Onboard supply control unit, Steering column electronics control unit, Engine/motor control unit, Airbag igniter on driver side

- E2 Turn signal switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- N95 Airbag igniter on driver side
- T2p 2-pin connector
- T2q 2-pin connector
- T4k 4-pin connector
- T8q 8-pin connector
- T9b 9-pin connector
- T12k 12-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- * For models with no multifunction steering wheel
- *2 For models with cruise control system
- *3 see applicable current flow diagram for engine
- *4 For models with cruise control system (CCS)
- *5 Adapter wire
- *6 For models with no heated steering wheel

- ws = white
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- ro = red
- rt = red
- br = brown
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- gr = grey
- li = purple
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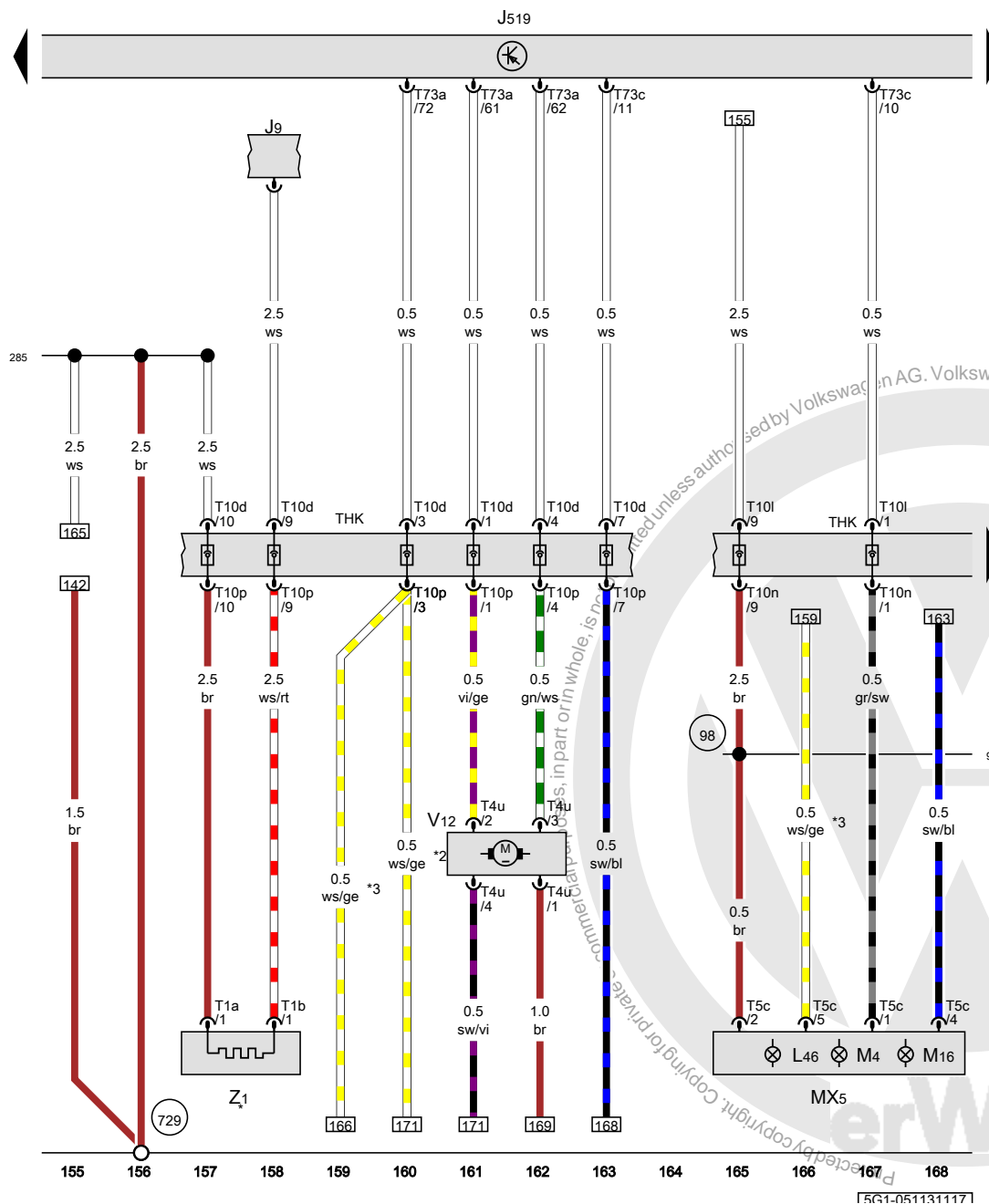
Onboard supply control unit, Left tail light, Right tail light, Rear left turn signal bulb, Rear right turn signal bulb, Left brake and tail light bulb, Right brake and tail light bulb, High-level brake light bulb, Left number plate light, Right number plate light

- J519 Onboard supply control unit
- MX3 Left tail light
- MX4 Right tail light
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M21 Left brake and tail light bulb
- M22 Right brake and tail light bulb
- M25 High-level brake light bulb
- T2ca 2-pin connector, black
- T2cb 2-pin connector, black
- T2cd 2-pin connector
- T2ce 2-pin connector
- T2cf 2-pin connector
- T4n 4-pin connector
- T4o 4-pin connector
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector
- THRR Coupling point in luggage compartment, right
- X4 Left number plate light
- X5 Right number plate light

- 197 Earth connection 4, in rear wiring harness
- 285 Earth connection 7, in interior wiring harness
- 333 Earth connection 5, in rear wiring harness
- 345 Earth connection, in bumper wiring harness
- 730 Earth point 1, on right rear wheel housing
- X149 Connection (5V), rear bumper wiring harness

* According to equipment

ws = white
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 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Onboard supply control unit, Rear left fog light bulb, Left tail light bulb, Left tail light 2, Left reversing light bulb, Rear window wiper motor, Heated rear window

- J9 Heated rear window relay
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M4 Left tail light bulb
- MX5 Left tail light 2
- M16 Left reversing light bulb
- T1a 1-pin connector
- T1b 1-pin connector
- T4u 4-pin connector
- T5c 5-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- Z1 Heated rear window

98 Earth connection, in rear lid wiring harness

285 Earth connection 7, in interior wiring harness

729 Earth point, on left rear wheel housing

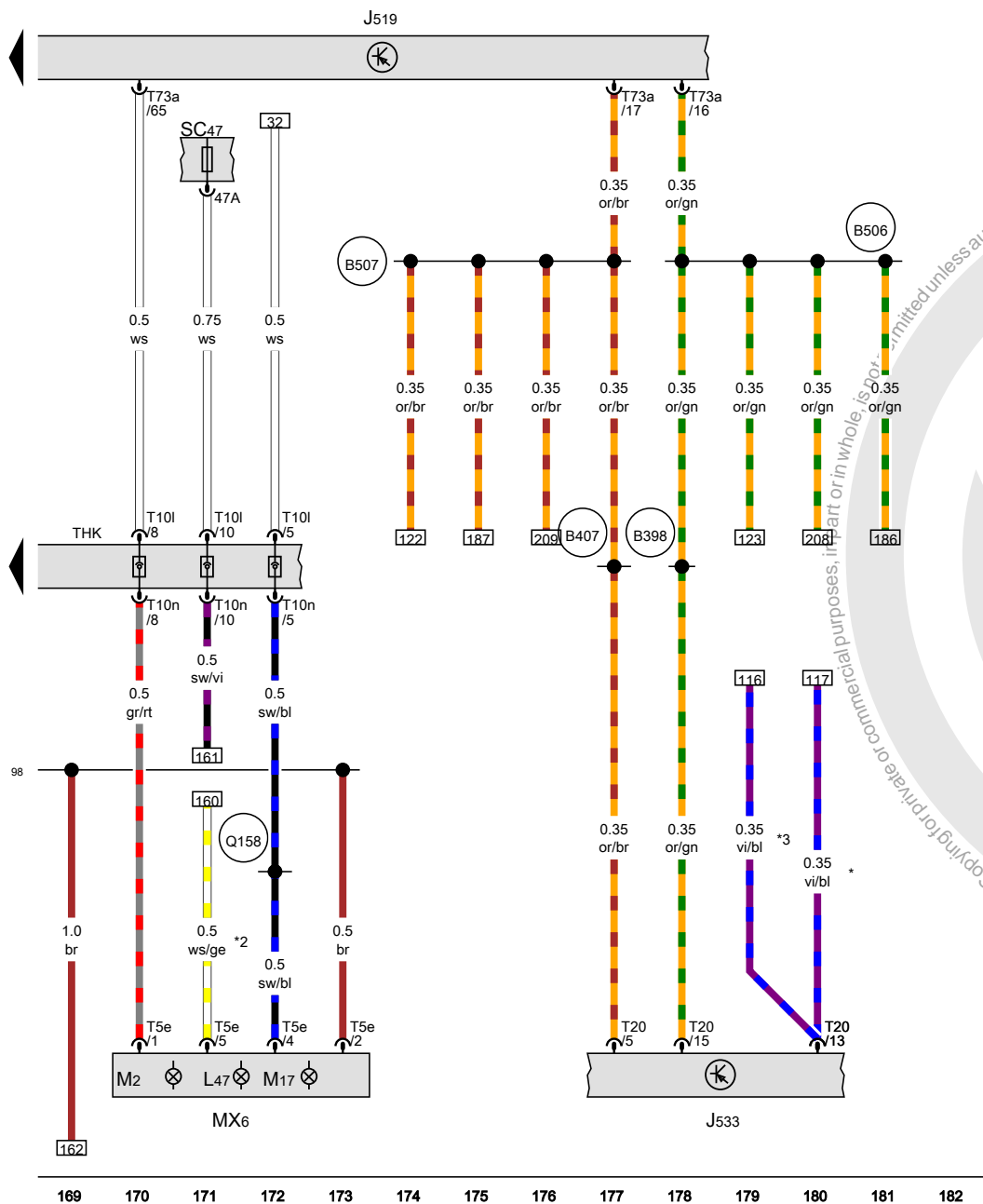
* see applicable current flow diagram for radio system

*2 For right-hand drive models

*3 For left-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- pr = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

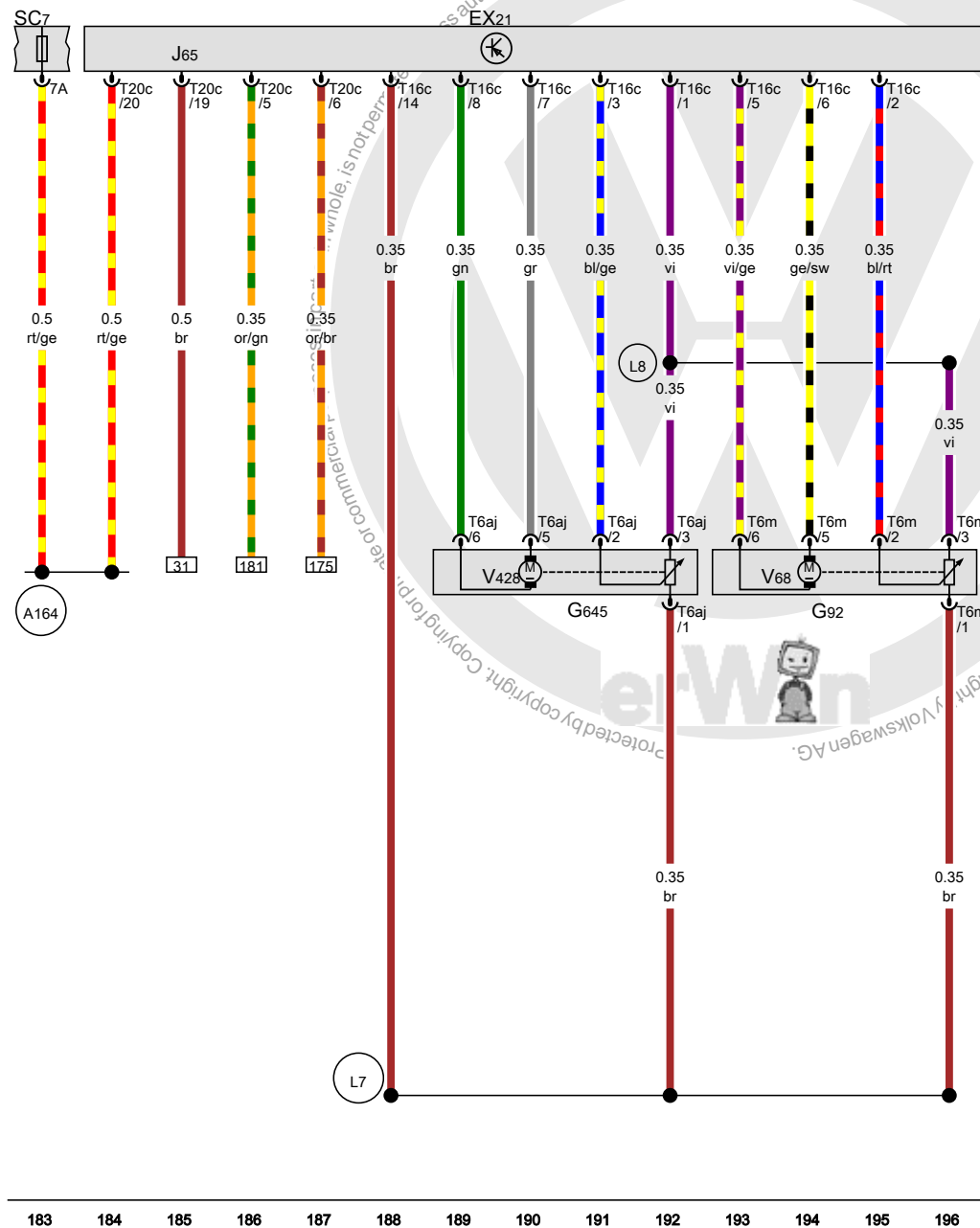
Onboard supply control unit, Data bus diagnostic interface,
Rear right fog light bulb, Right tail light bulb, Right tail light
2, Right reversing light bulb



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- MX6 Right tail light 2
- M17 Right reversing light bulb
- SC47 Fuse 47 on fuse holder C
- T5e 5-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T20 20-pin connector
- T73a 73-pin connector, black
- THK Coupling point for rear lid

- 98 Earth connection, in rear lid wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- Q158 Connection (RL) in rear lid wiring harness
- * Up to November 2015
- *2 For right-hand drive models
- *3 From November 2015

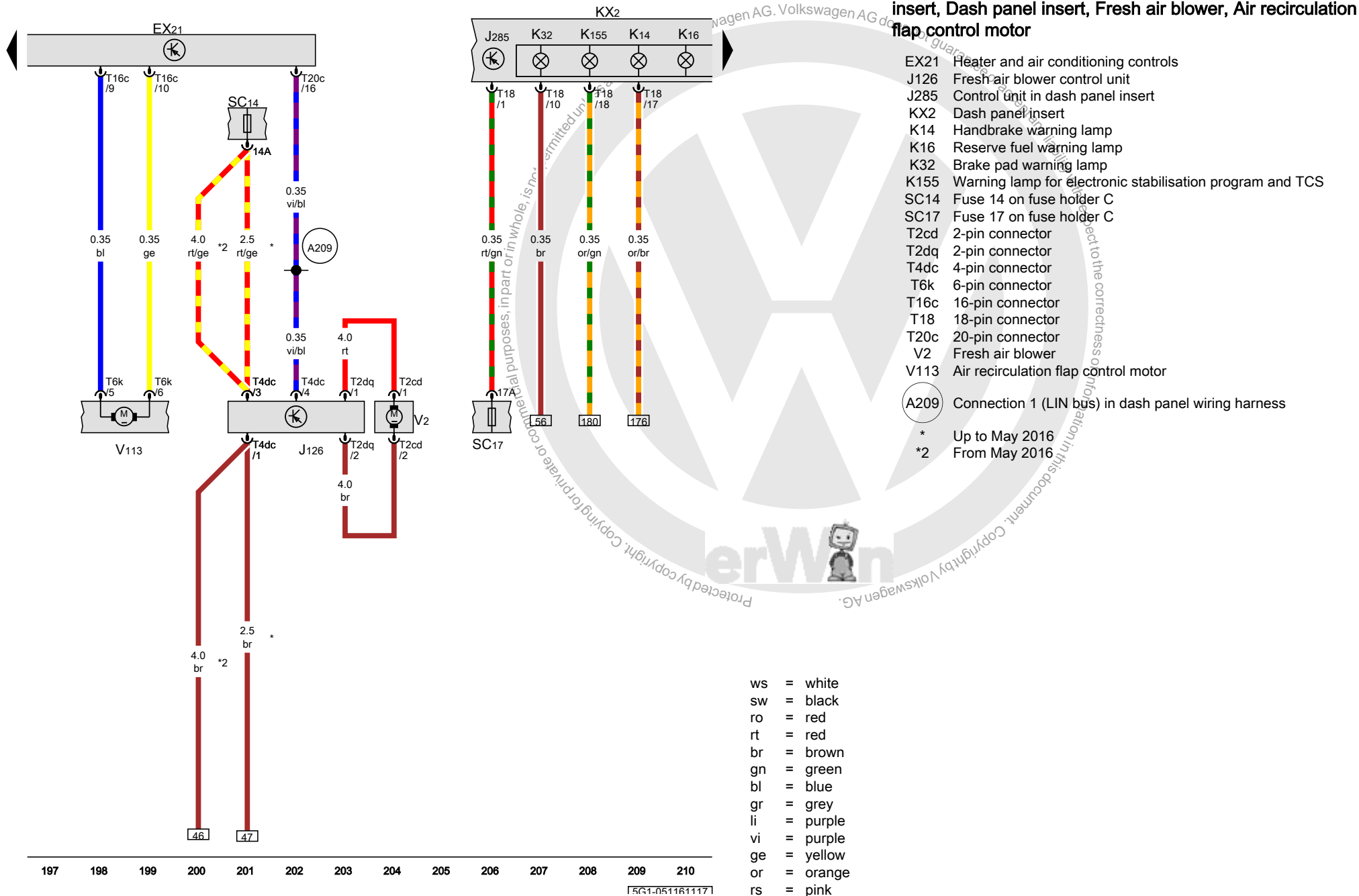
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



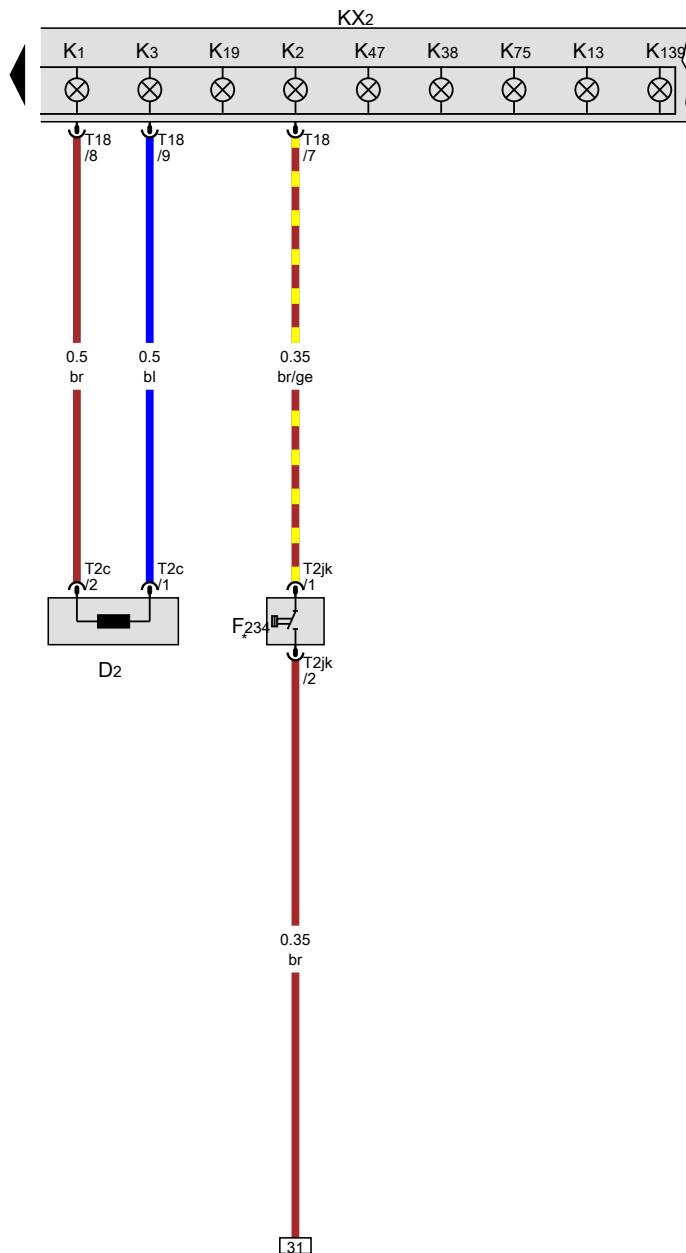
Potentiometer for temperature flap control motor,
Potentiometer for air distribution flap control motor, Heater
control unit, Temperature flap control motor, Air distribution
flap control motor

- EX21 Heater and air conditioning controls
- G92 Potentiometer for temperature flap control motor
- G645 Potentiometer for air distribution flap control motor
- J65 Heater control unit
- SC7 Fuse 7 on fuse holder C
- T6aj 6-pin connector
- T6m 6-pin connector
- T16c 16-pin connector
- T20c 20-pin connector
- V68 Temperature flap control motor
- V428 Air distribution flap control motor
- A164 Positive connection 2 (30a) in dash panel wiring harness
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Immobiliser reader coil, Dash panel insert



- D2 Immobiliser reader coil
- F234 Parking brake pressure switch
- K1 Main beam warning lamp
- KX2 Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K13 Rear fog light warning lamp
- K19 Seat belt warning system warning lamp
- K38 Oil level warning lamp
- K47 ABS warning lamp
- K75 Airbag warning lamp
- K139 Handbrake warning lamp
- T2c 2-pin connector
- T2jk 2-pin connector
- T18 18-pin connector
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

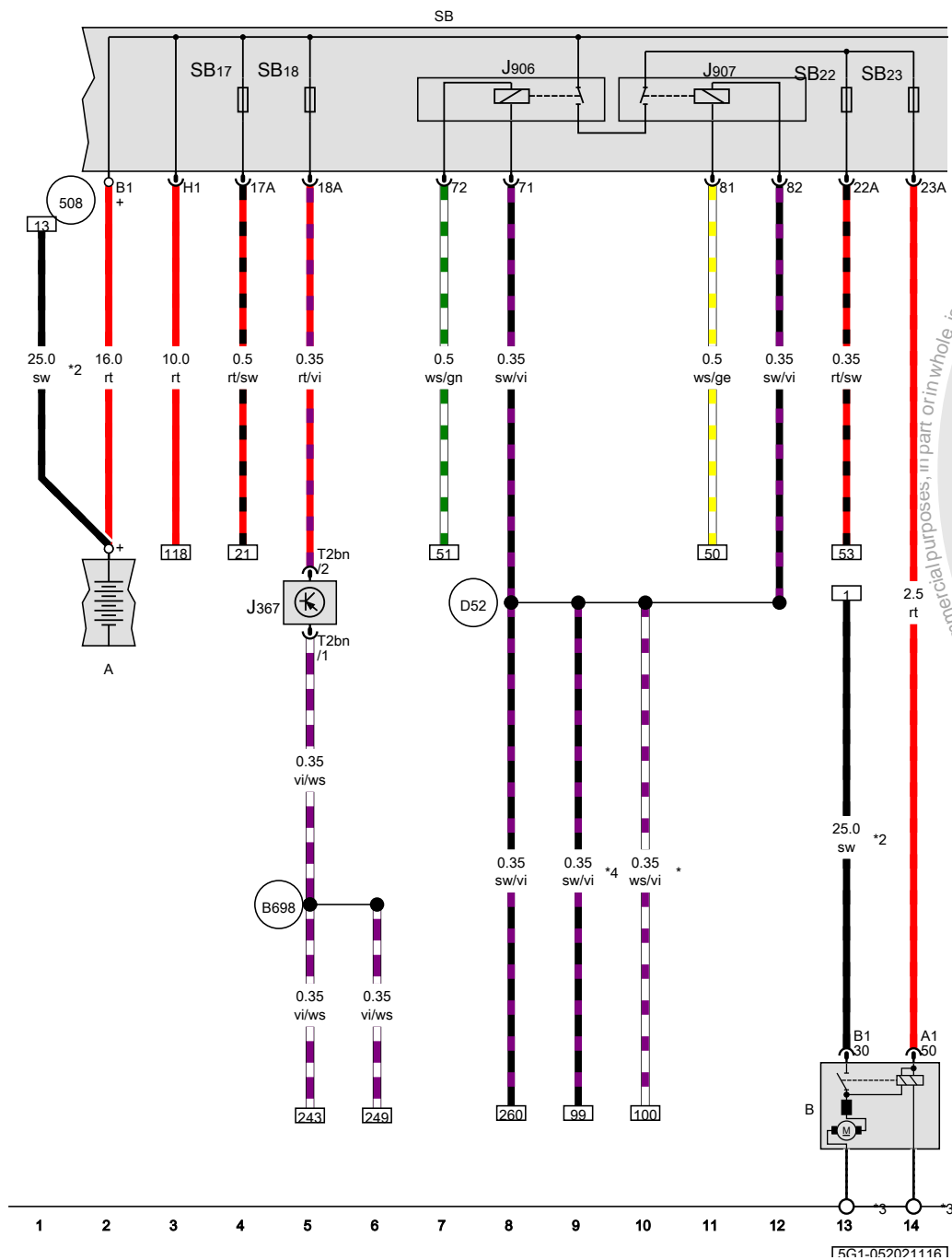
211 212 213 214 215 216 217 218 219 220 221 222 223 224

[5G1-051171117]

1.6l diesel engine , CLHA,CLHB,CRKA,CRKB

From May 2013

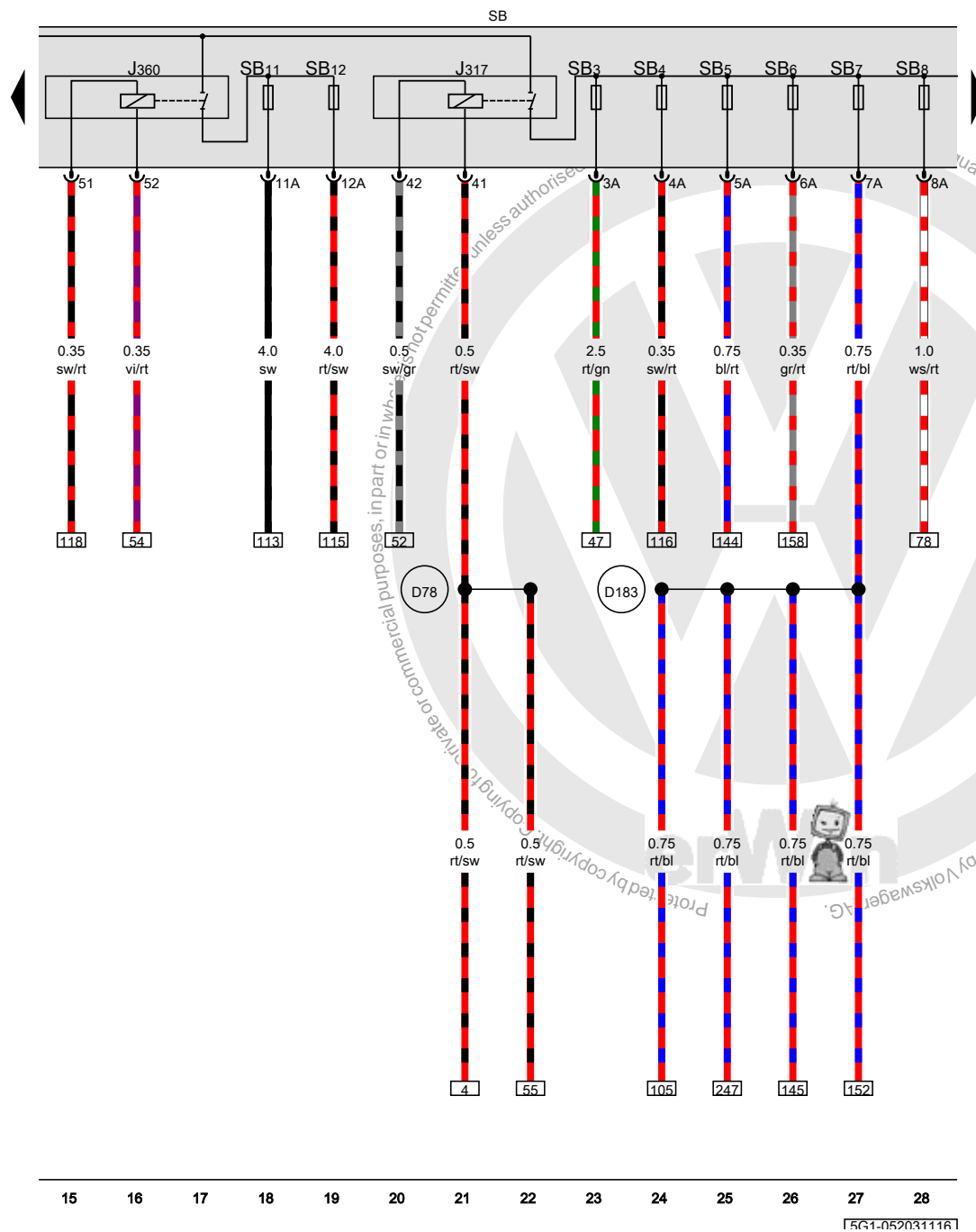




Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, yellow
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross-section 35.0 possible
- *3 Earth supply via housing
- *4 From May 2014

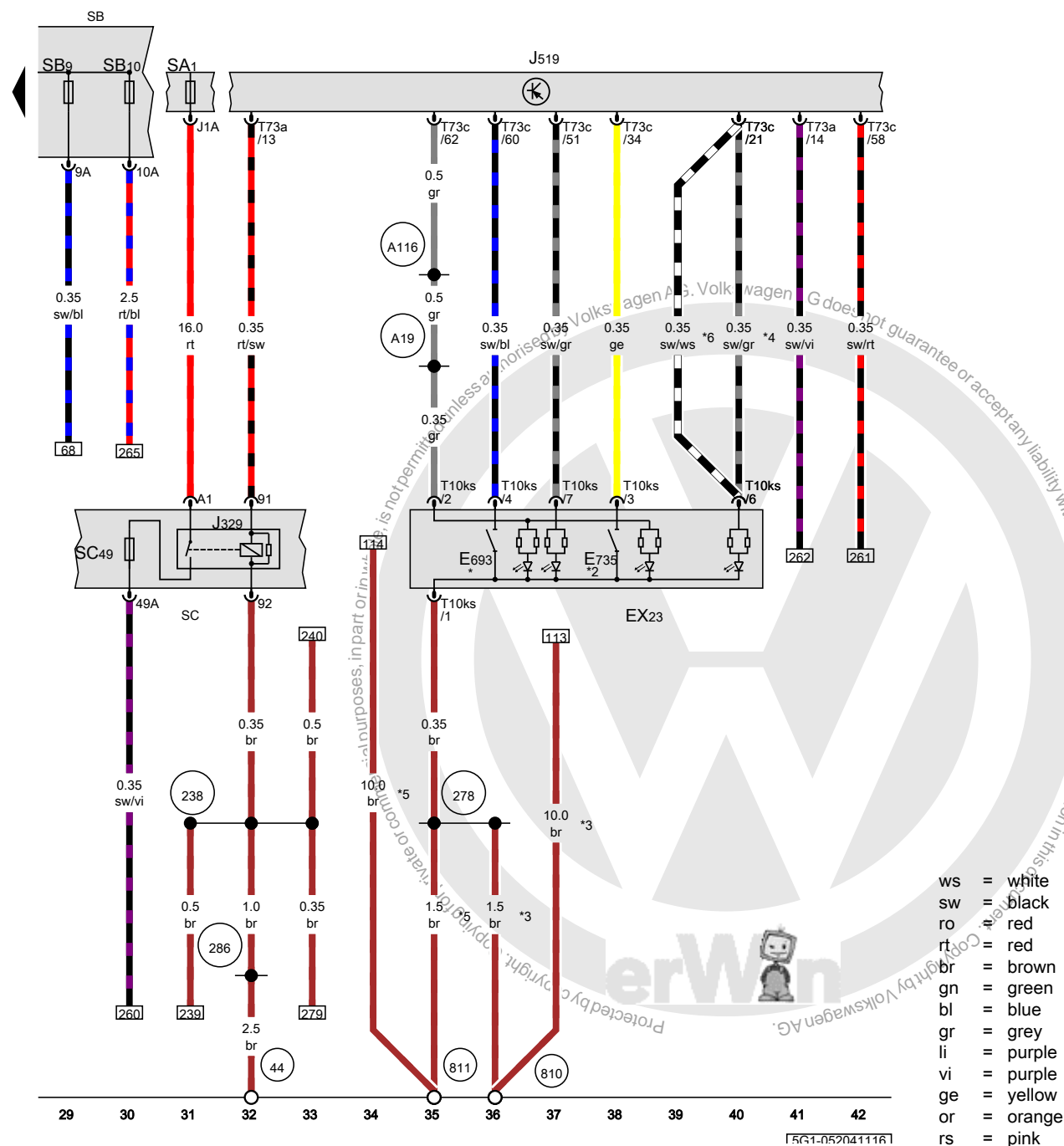
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Terminal 30 voltage supply relay, High heat output relay, Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Switch module 1 in centre console, Onboard supply control unit, Fuse holder B, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Up to May 2015
- *5 Only right-hand drive models
- *6 From May 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Radiator fan

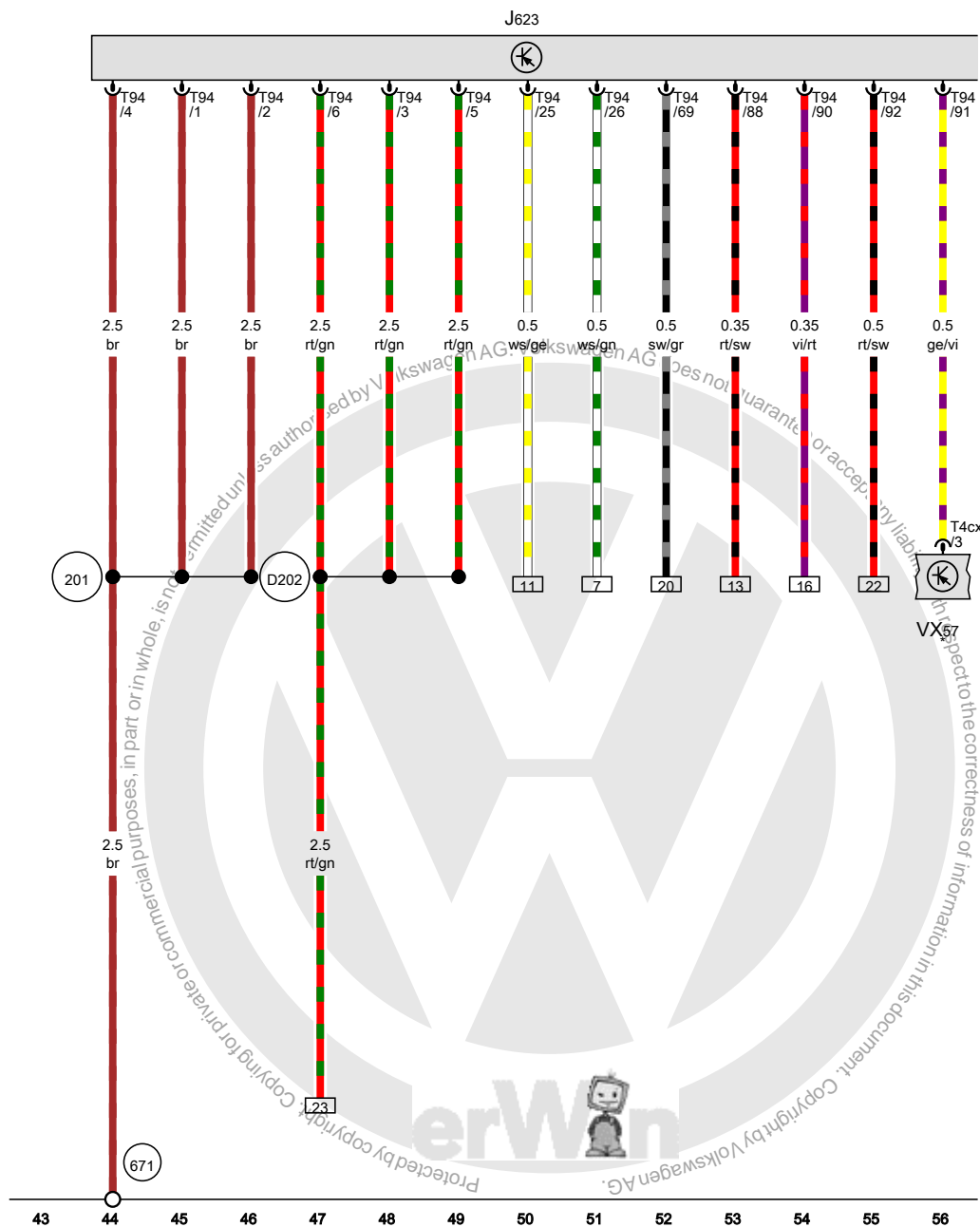
J623 Engine control unit
T4cx 4-pin connector, black
T94 94-pin connector, black
VX57 Radiator fan

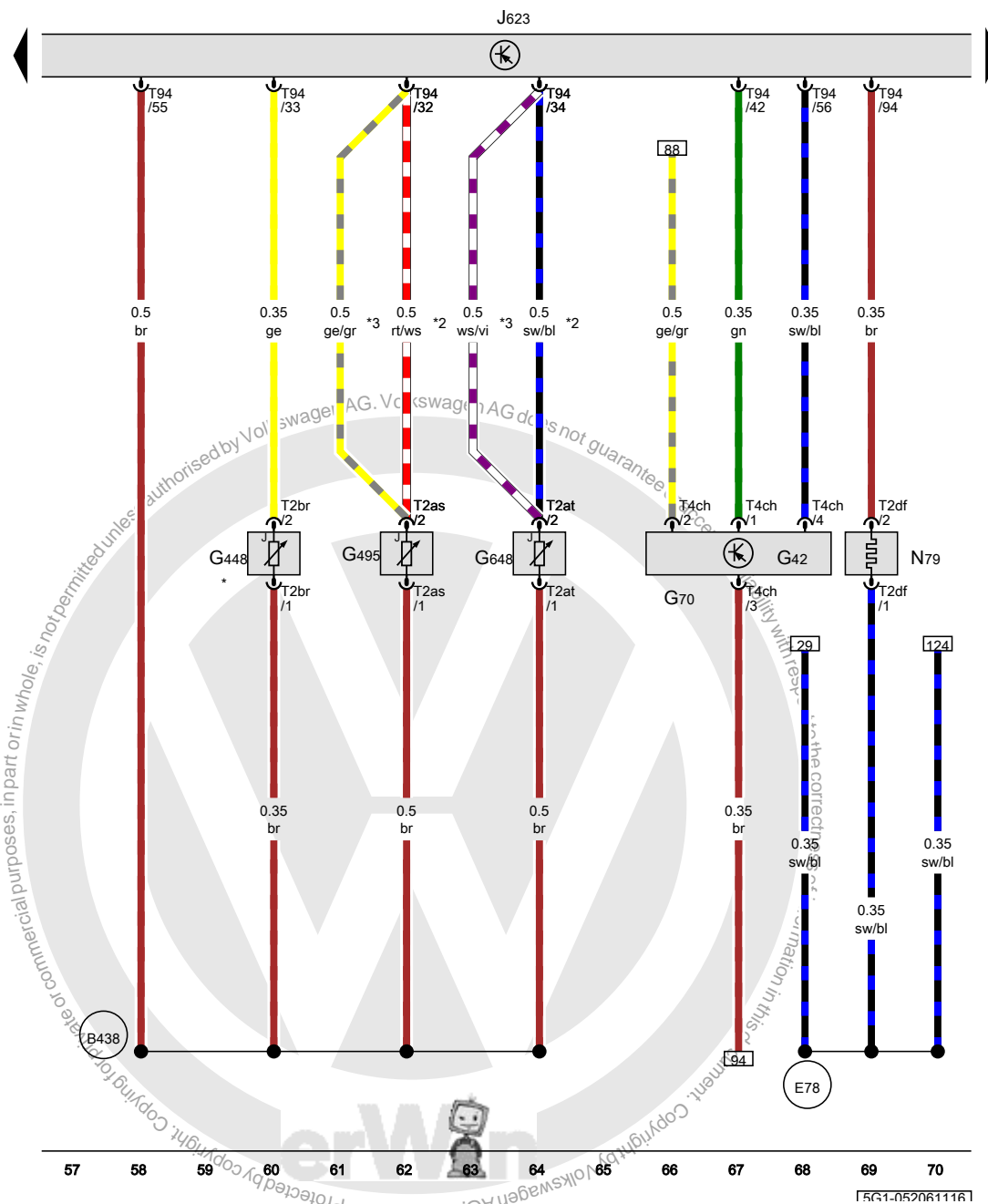
201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

D202 Connection 6 (87a), in engine compartment wiring harness

* Pre-wired component





Air mass meter, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit, Heater element for crankcase breather

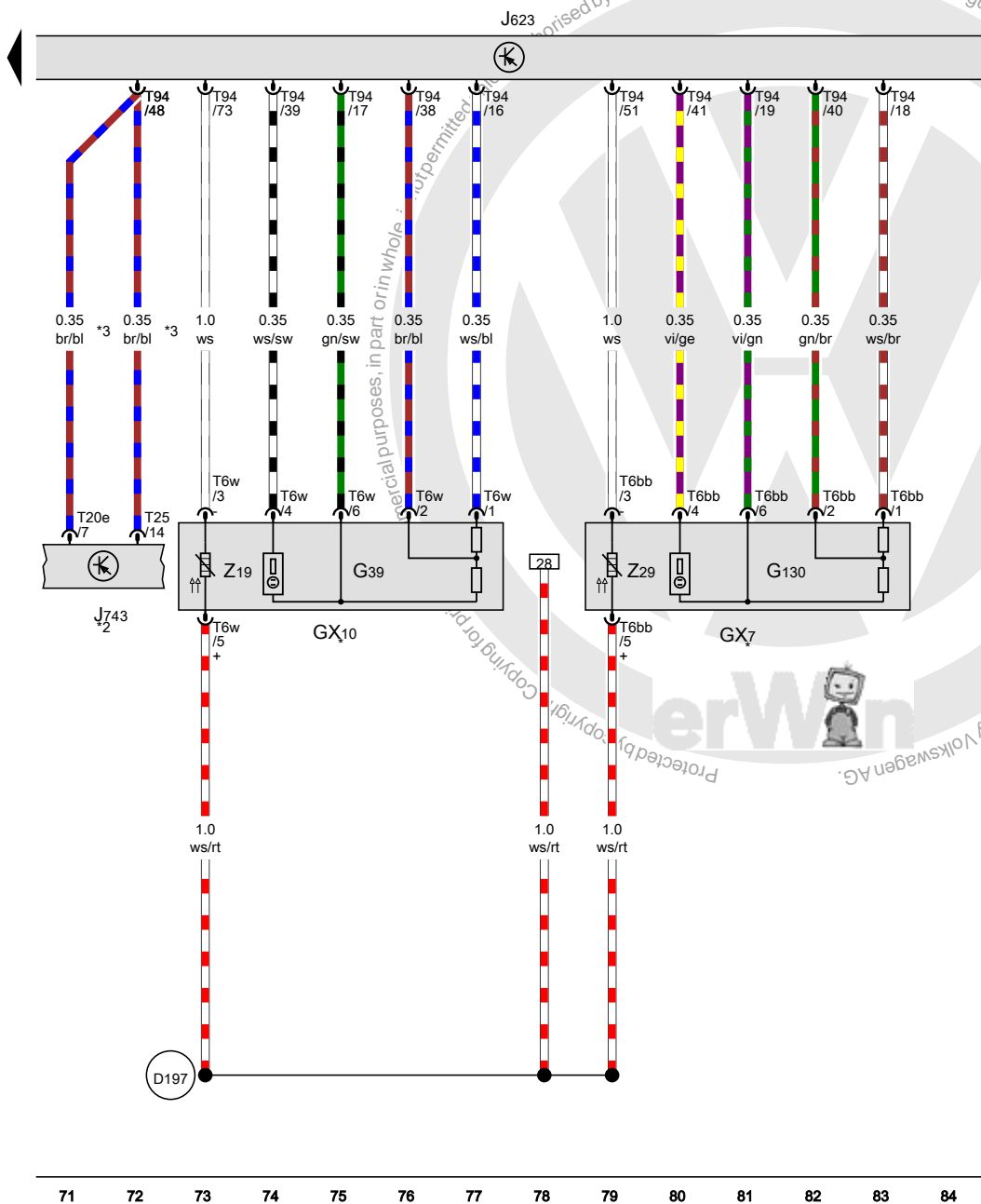
- G42 Intake air temperature sender
- G70 Air mass meter
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- N79 Heater element for crankcase breather
- T2as 2-pin connector, brown
- T2at 2-pin connector, orange
- T2br 2-pin connector, black
- T2df 2-pin connector, black
- T4ch 4-pin connector, black
- T94 94-pin connector, black

B438 Connection 2 (GND (earth)), in main wiring harness

E78 Connection 2 (87a) in engine wiring harness

- * Only models with Euro 6 plus emission standard
- *2 Up to November 2015
- *3 From November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector, brown
- T6w 6-pin connector, black
- T20e 20-pin connector, black
- T25 25-pin connector, black
- T94 94-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

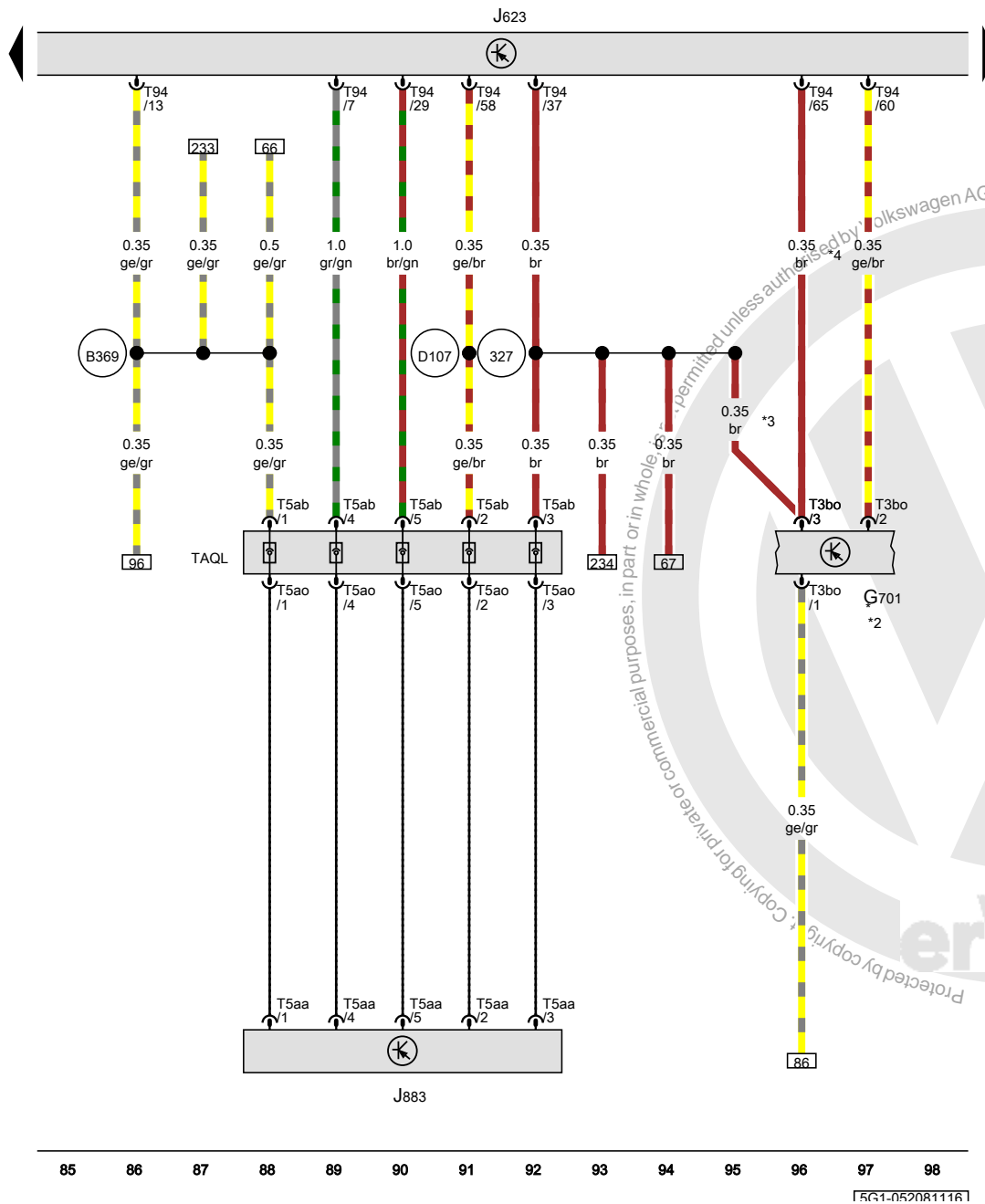
D197 Connection 5 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 see applicable current flow diagram for dual clutch gearbox
- *3 According to equipment

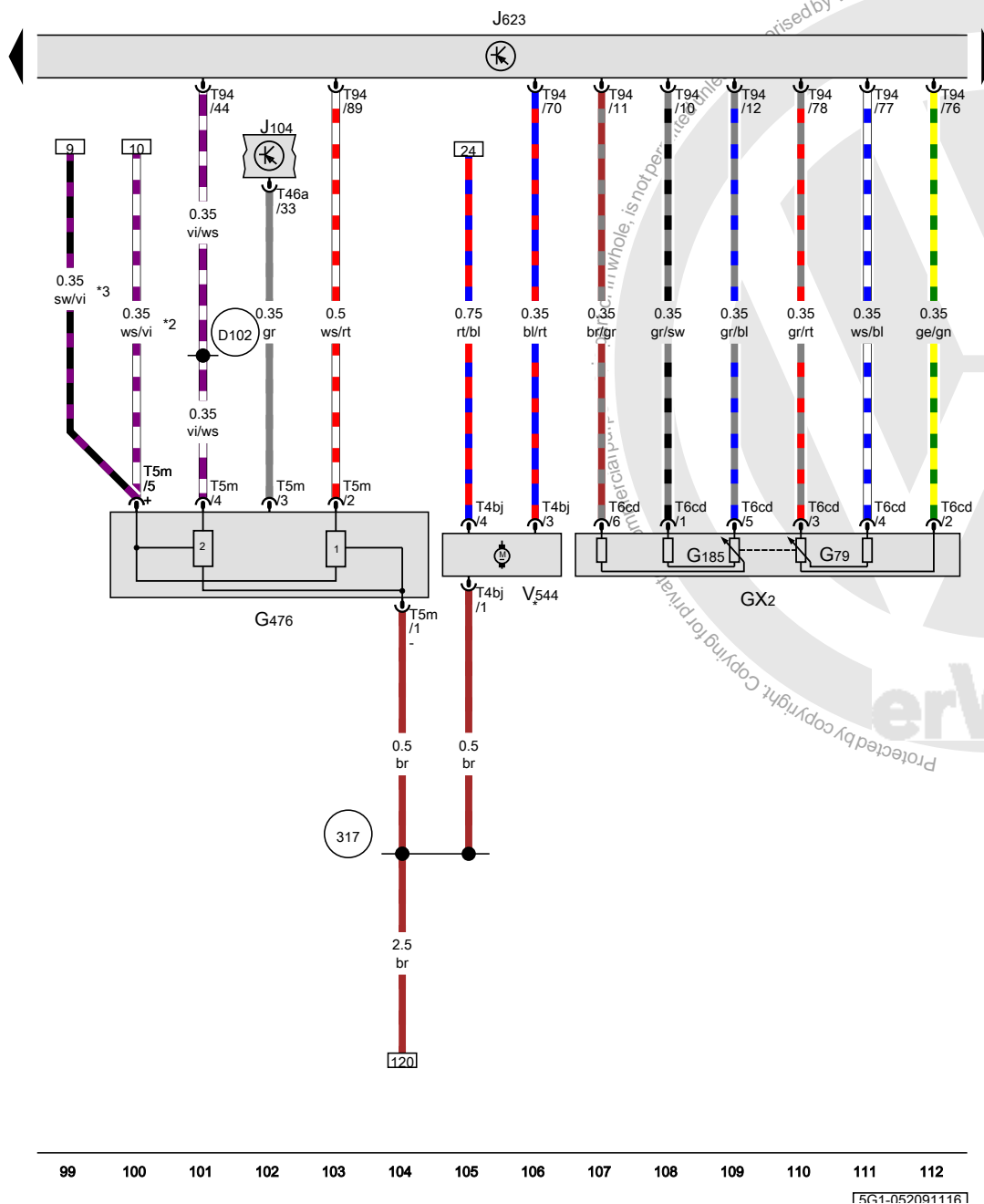
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Gearbox neutral position sender, Engine control unit, Exhaust flap control unit

- G701 Gearbox neutral position sender
- J623 Engine control unit
- J883 Exhaust flap control unit
- T3bo 3-pin connector, brown
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T94 94-pin connector, black
- TAQL Coupling point on rear cross member, left
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B369 Connection 1 (5V), in main wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Only models with start/stop system
- *2 Only models with manual gearbox
- *3 Up to May 2015
- *4 From May 2015



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Accelerator pedal module, Clutch position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T4bj 4-pin connector, black
- T5m 5-pin connector, black
- T6cd 6-pin connector, black
- T46a 46-pin connector, black
- T94 94-pin connector, black
- V544 Radiator blind control motor

317 Earth connection 7, in engine compartment wiring harness

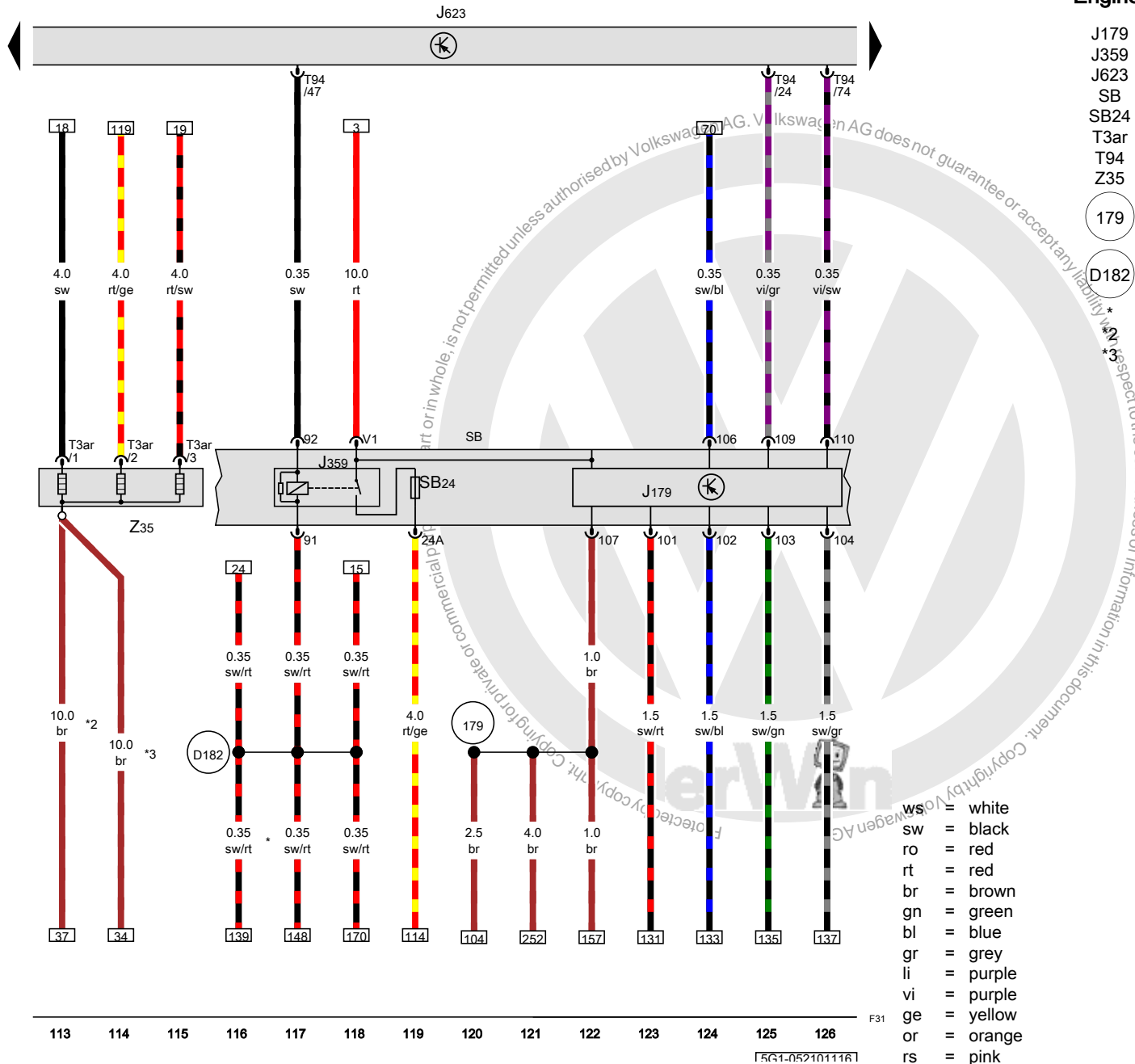
D102 Connection 2 in engine compartment wiring harness

* According to equipment

*2 Up to May 2014

*3 From May 2014

Automatic glow period control unit, Low heat output relay, Engine control unit, Auxiliary air heater element

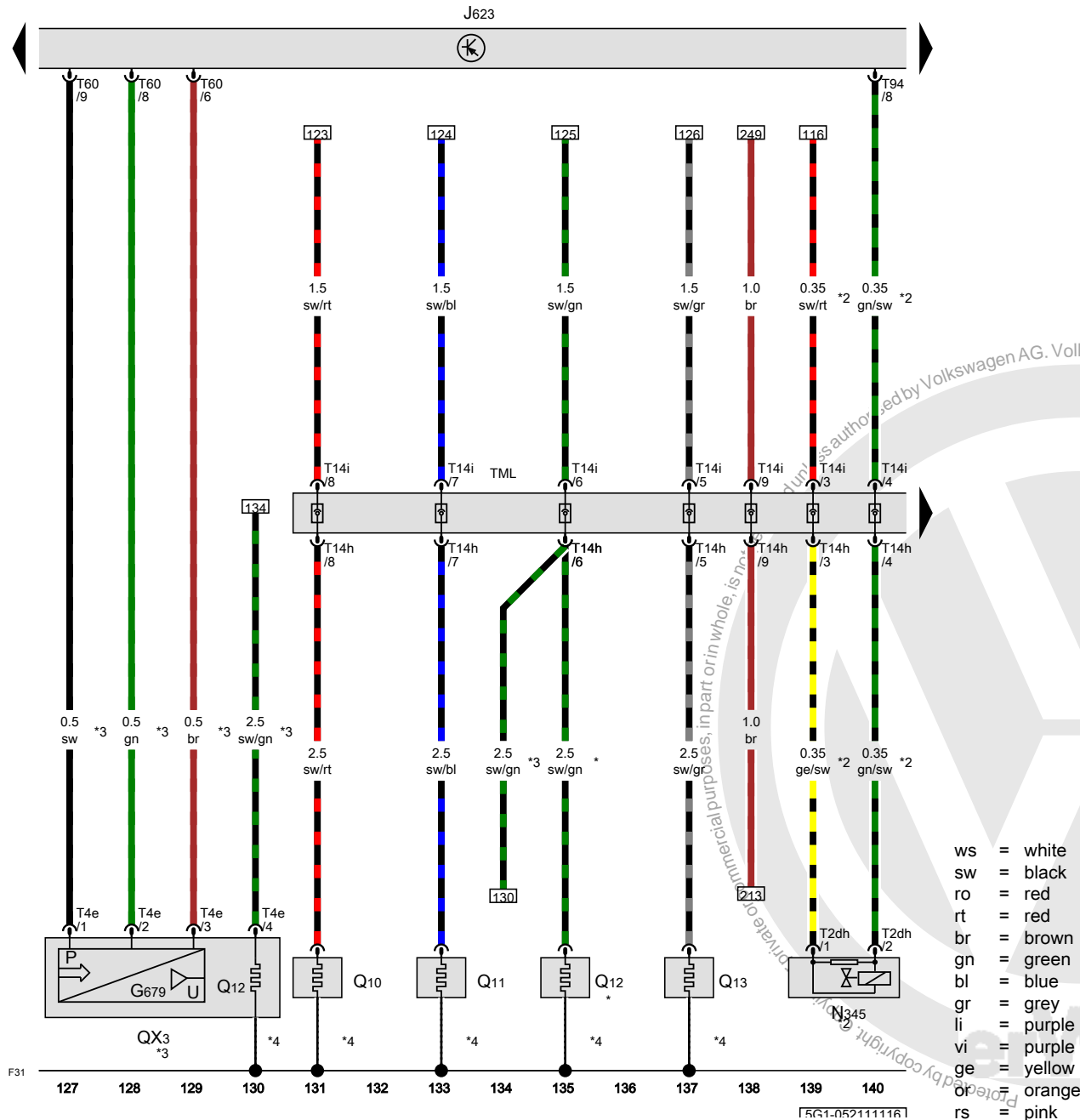


- J179 Automatic glow period control unit
- J359 Low heat output relay
- J623 Engine control unit
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T3ar 3-pin connector, black
- T94 94-pin connector, black
- Z35 Auxiliary air heater element

- 179 Earth connection, in left headlight wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * According to equipment
- *2 Only left-hand drive models
- *3 Only right-hand drive models

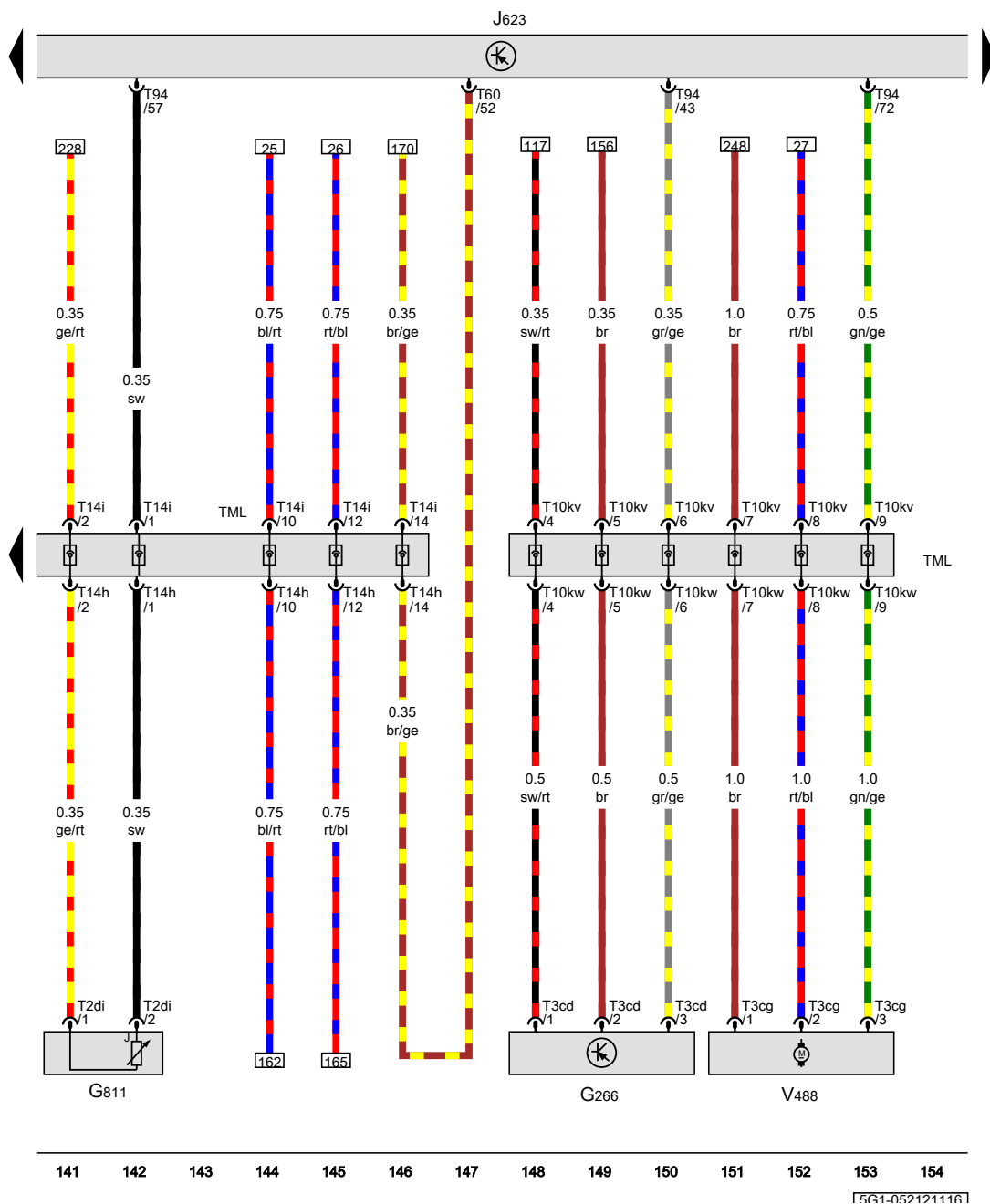
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine control unit, Exhaust gas recirculation cooler changeover valve, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4



- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine control unit
- N345 Exhaust gas recirculation cooler changeover valve
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T2dh 2-pin connector, black
- T4e 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- * Not for models with Euro 6 plus emission standard
- *2 According to equipment
- *3 Only models with Euro 6 plus emission standard
- *4 Earth supply via housing

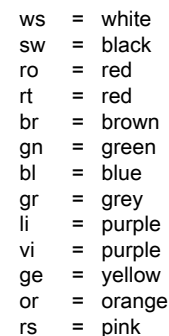
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil level and oil temperature sender, Charge air temperature sender after charge air cooler, Engine control unit, Auxiliary pump for heating

- G266 Oil level and oil temperature sender
- G811 Charge air temperature sender after charge air cooler
- J623 Engine control unit
- T2di 2-pin connector, black
- T3cd 3-pin connector, black
- T3cg 3-pin connector, black
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating

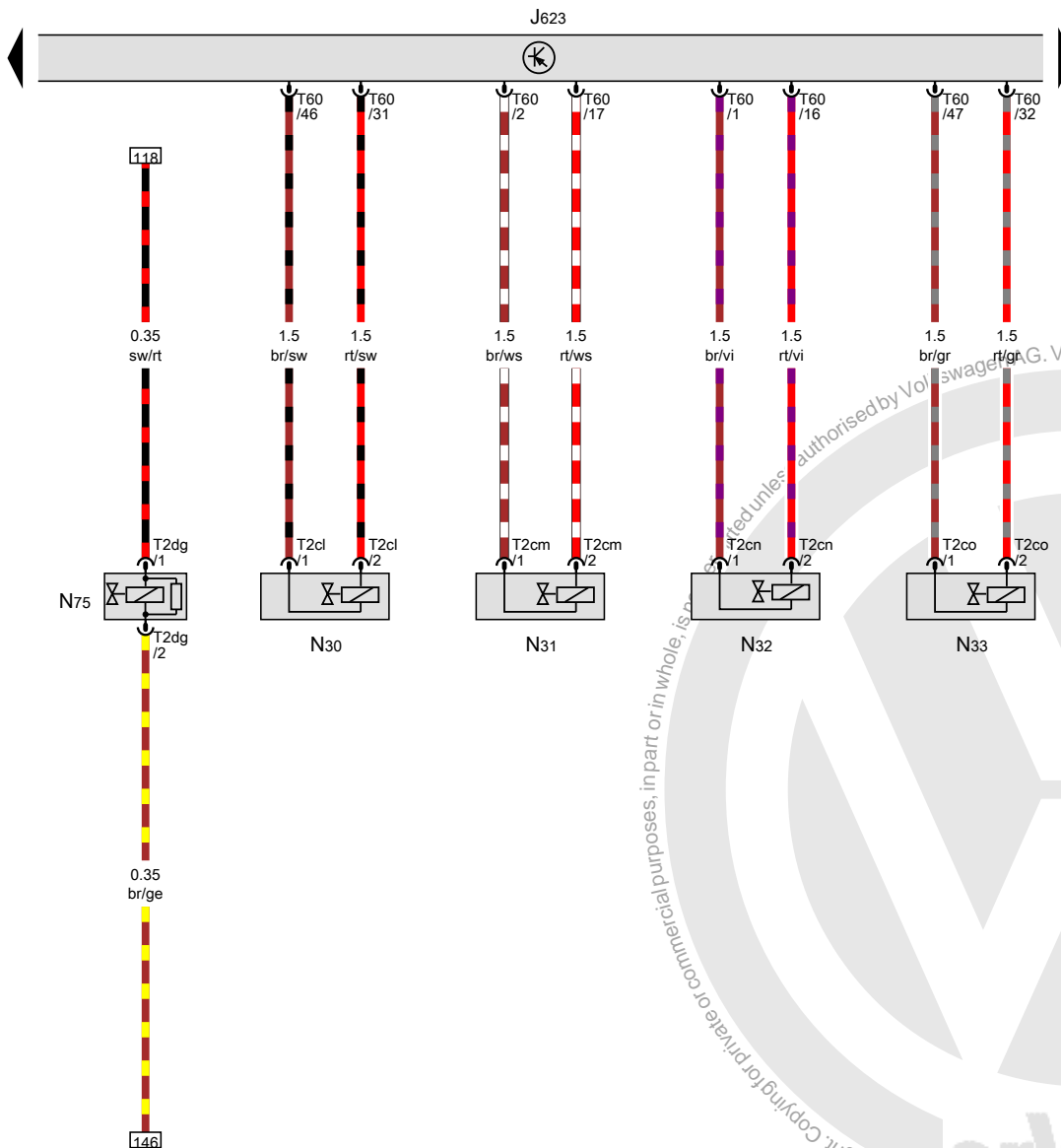
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



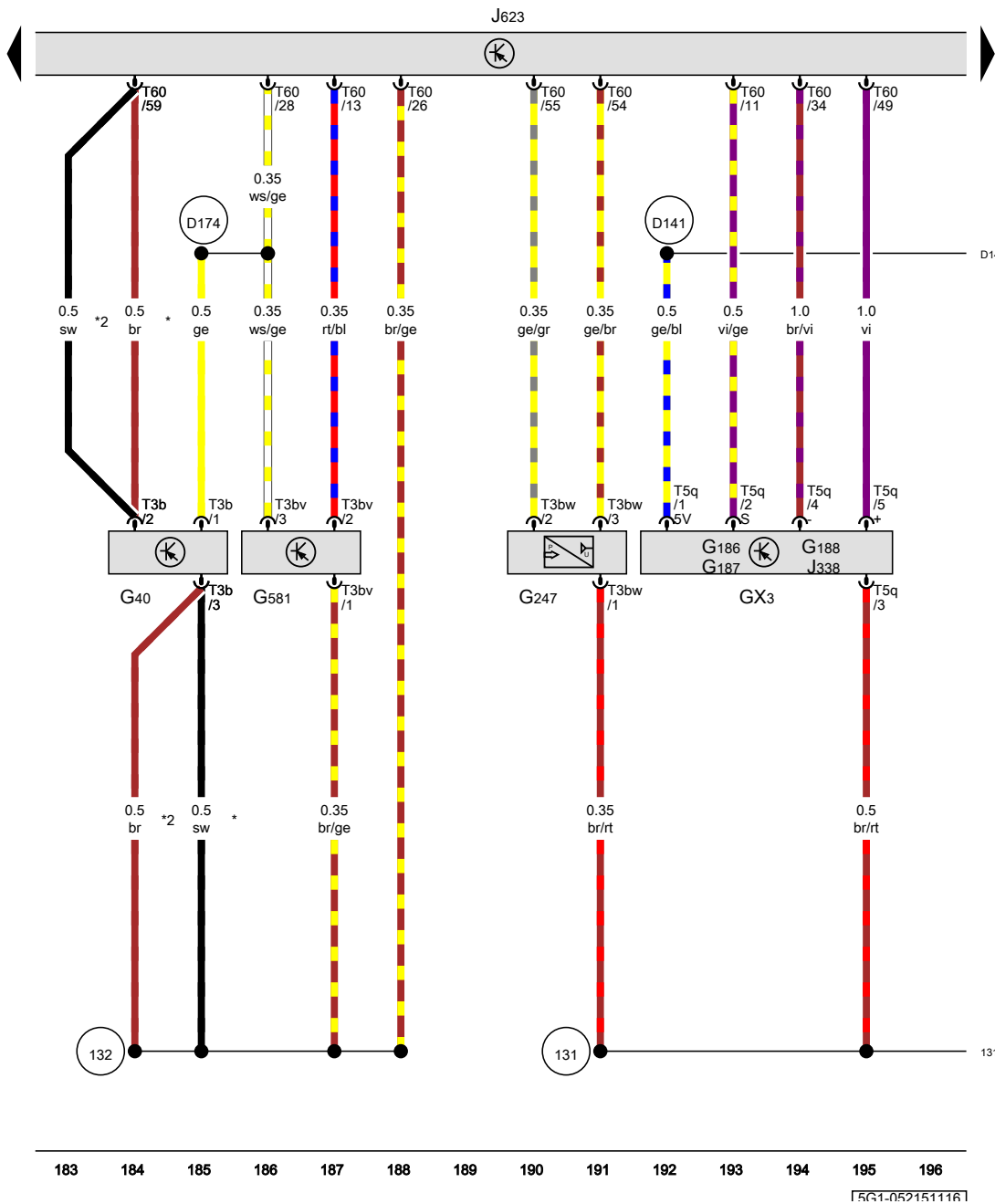
*2 Only models with manual gearbox

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge pressure control solenoid valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N75 Charge pressure control solenoid valve
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T2dg 2-pin connector, black
- T60 60-pin connector, black



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

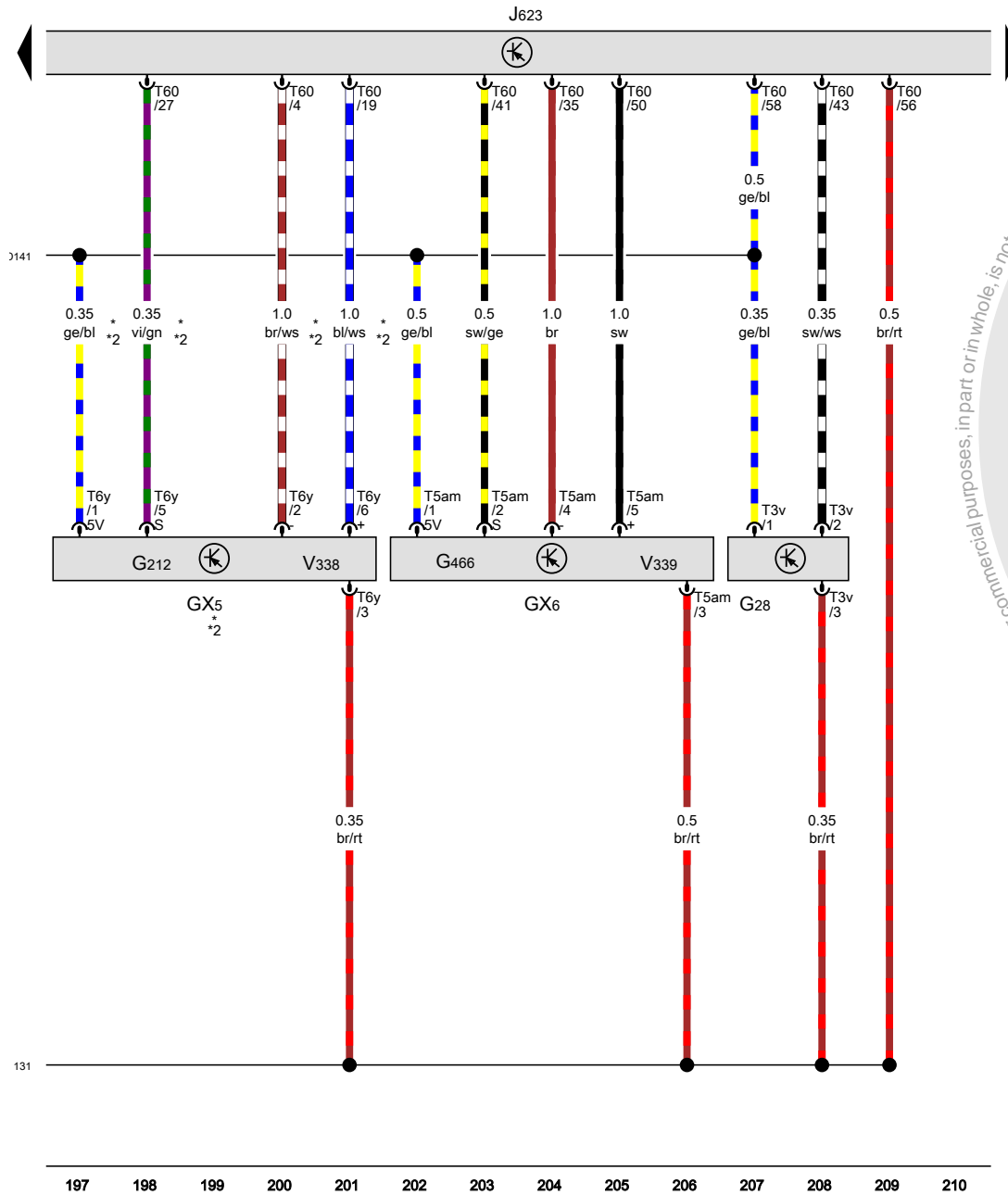


Throttle valve module, Hall sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit

- GX3 Throttle valve module
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector, black
- T3bv 3-pin connector, brown
- T3bw 3-pin connector, black
- T5q 5-pin connector, black
- T60 60-pin connector, black

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * Up to November 2015
- *2 From November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine control unit
- T3v 3-pin connector, black
- T5am 5-pin connector, black
- T6y 6-pin connector, grey
- T60 60-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

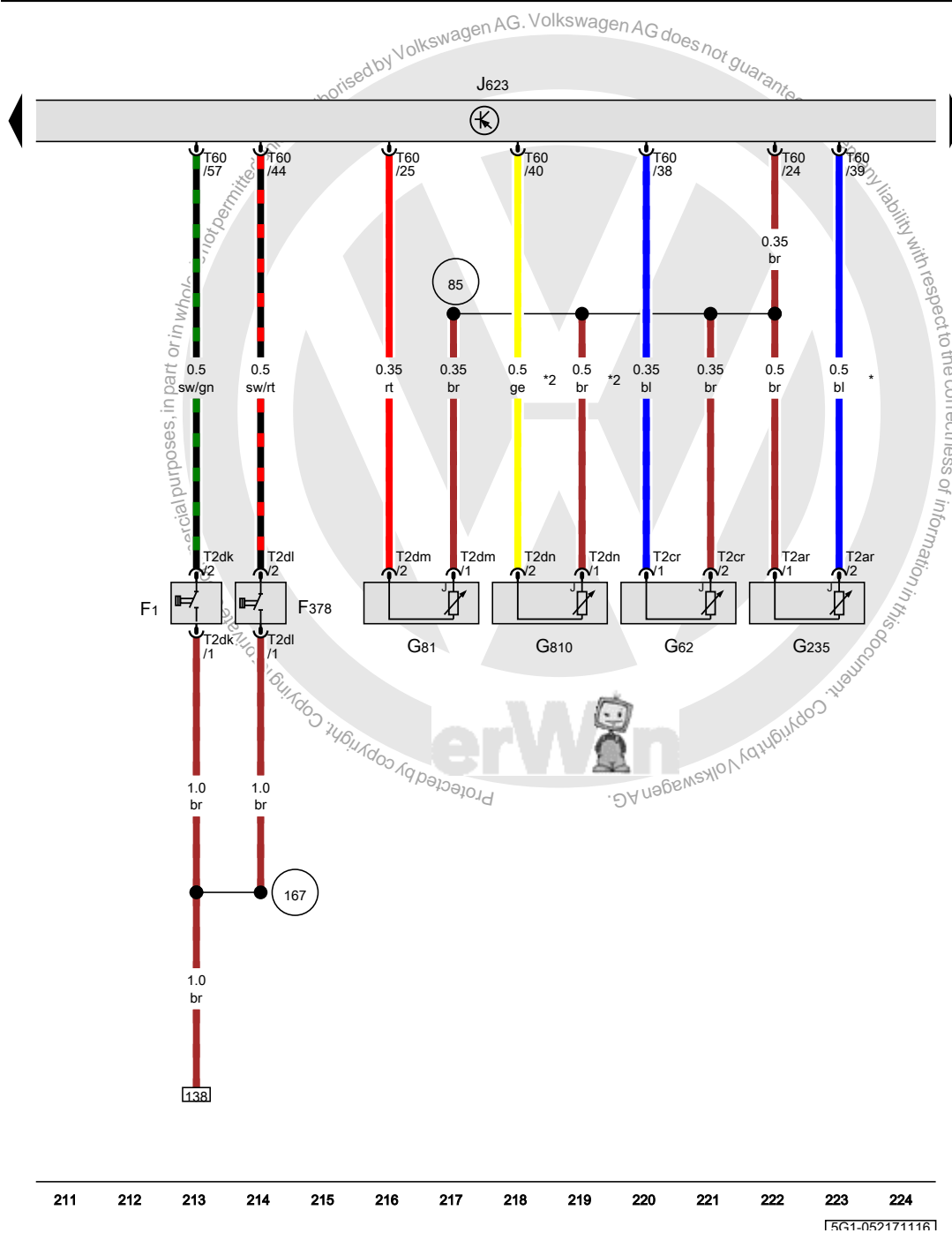
131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

* According to equipment
*2 Up to November 2015

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

15G1-052161116



Oil pressure switch, Oil pressure switch for reduced oil pressure, Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine control unit

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine control unit
- T2ar 2-pin connector, black
- T2cr 2-pin connector, black
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T2dm 2-pin connector, yellow
- T2dn 2-pin connector, black
- T60 60-pin connector, black

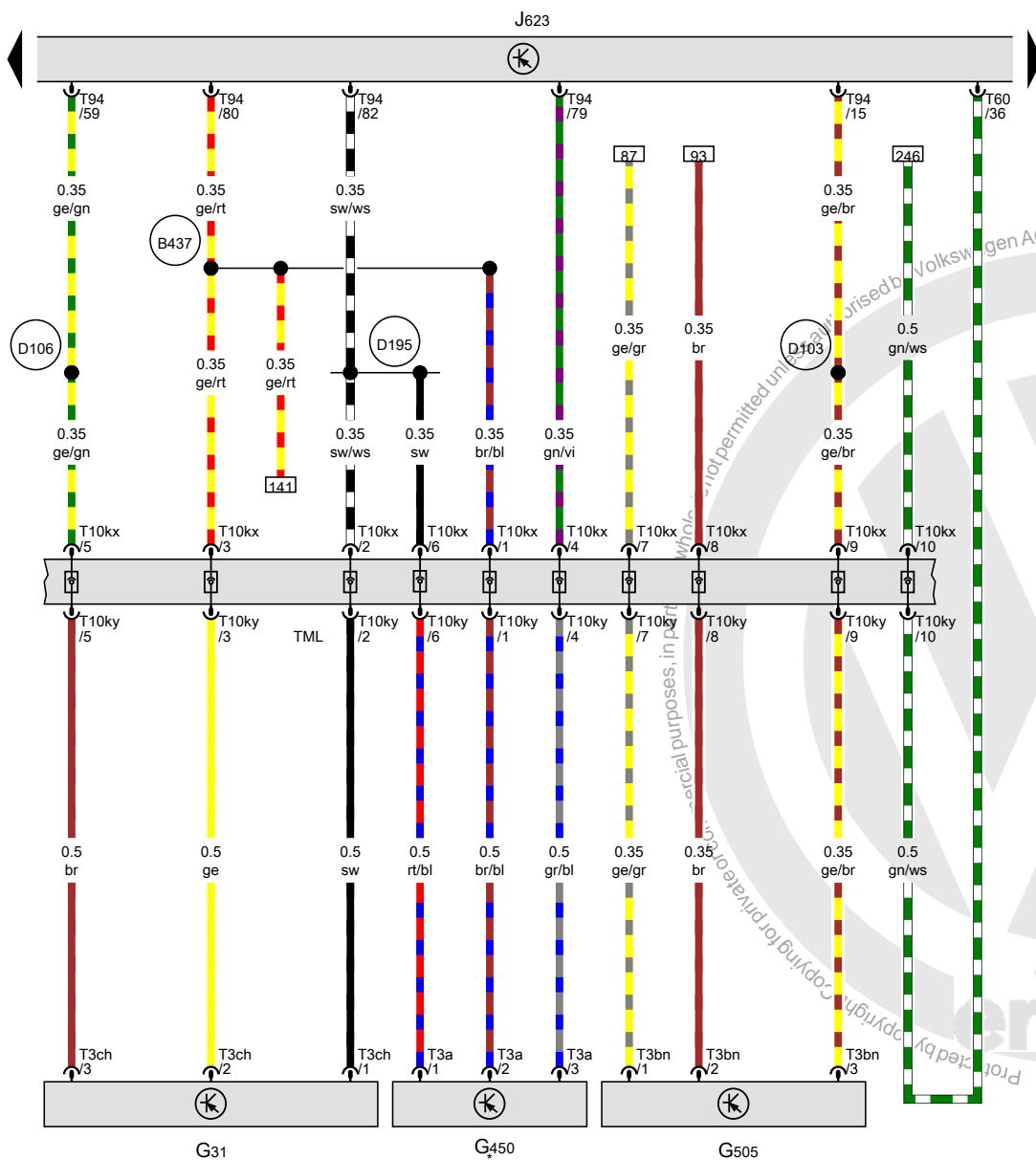
85 Earth connection 1, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

* Different wire colour possible

*2 Cross section depends on equipment

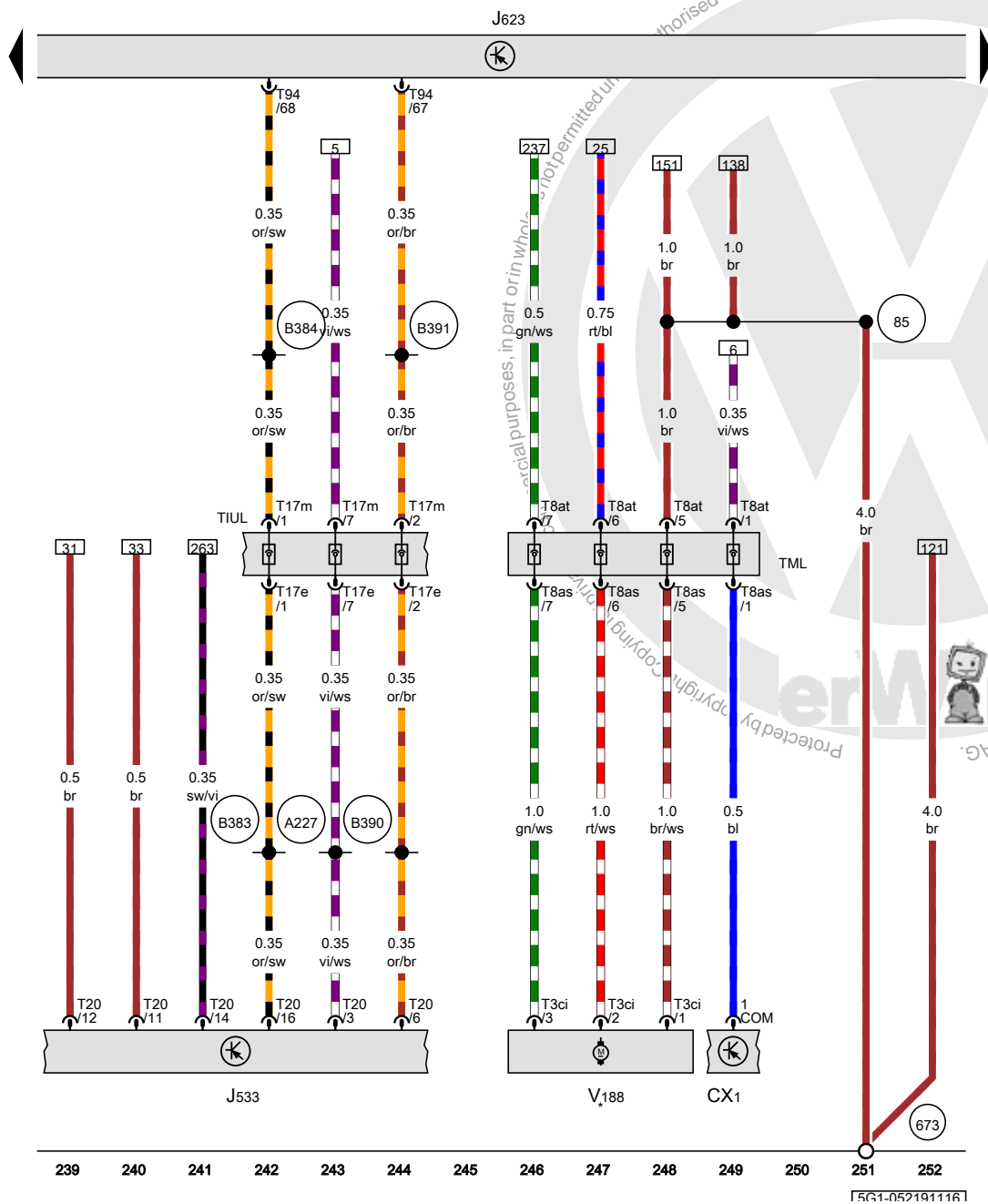
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Charge pressure sender, Pressure differential sender, Engine control unit

- G31 Charge pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine control unit
- T3a 3-pin connector, black
- T3bn 3-pin connector, black
- T3ch 3-pin connector, black
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Alternator with voltage regulator, Data bus diagnostic interface, Engine control unit, Charge air cooling pump

- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T3ci 3-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump
- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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 rs = pink

Steering column electronics control unit, Fuel pump control unit, Engine control unit

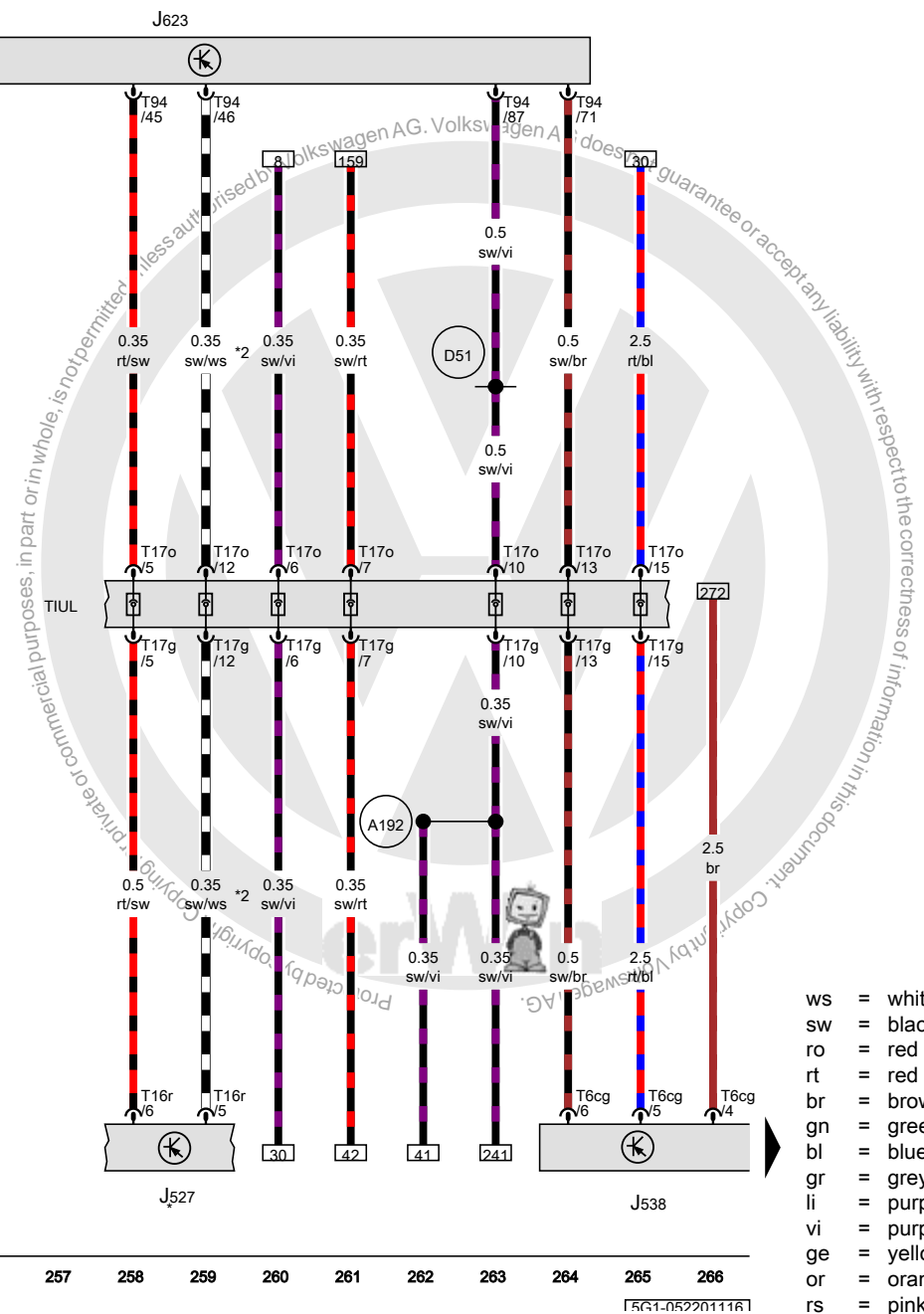
- J527 Steering column electronics control unit
- J538 Fuel pump control unit
- J623 Engine control unit
- T6cg 6-pin connector, brown
- T16r 16-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

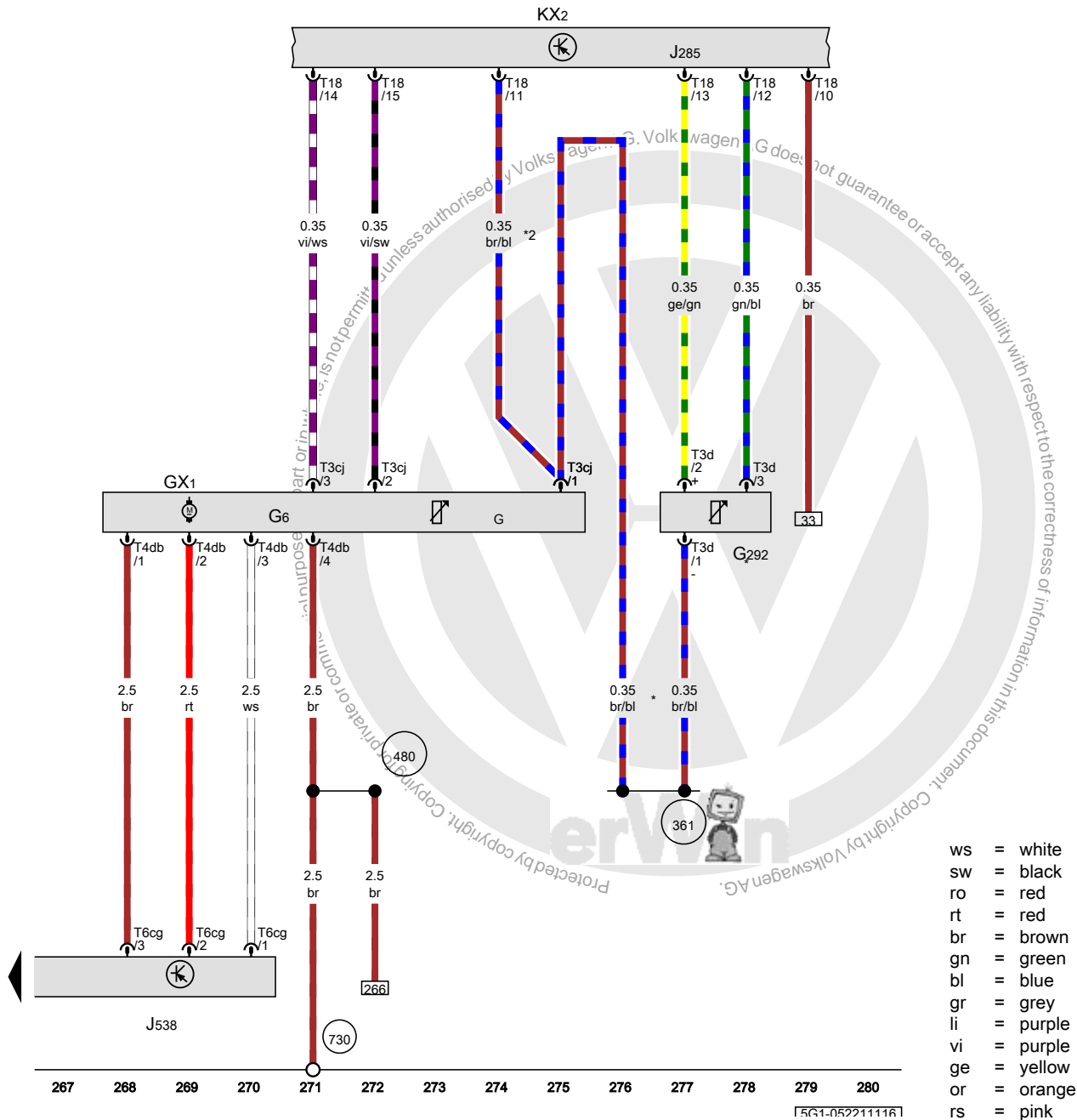
* see applicable current flow diagram

*2 Only models with cruise control system (CCS)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert



- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T3d 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black

361 Earth connection (fuel gauge sender), in main wiring harness

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

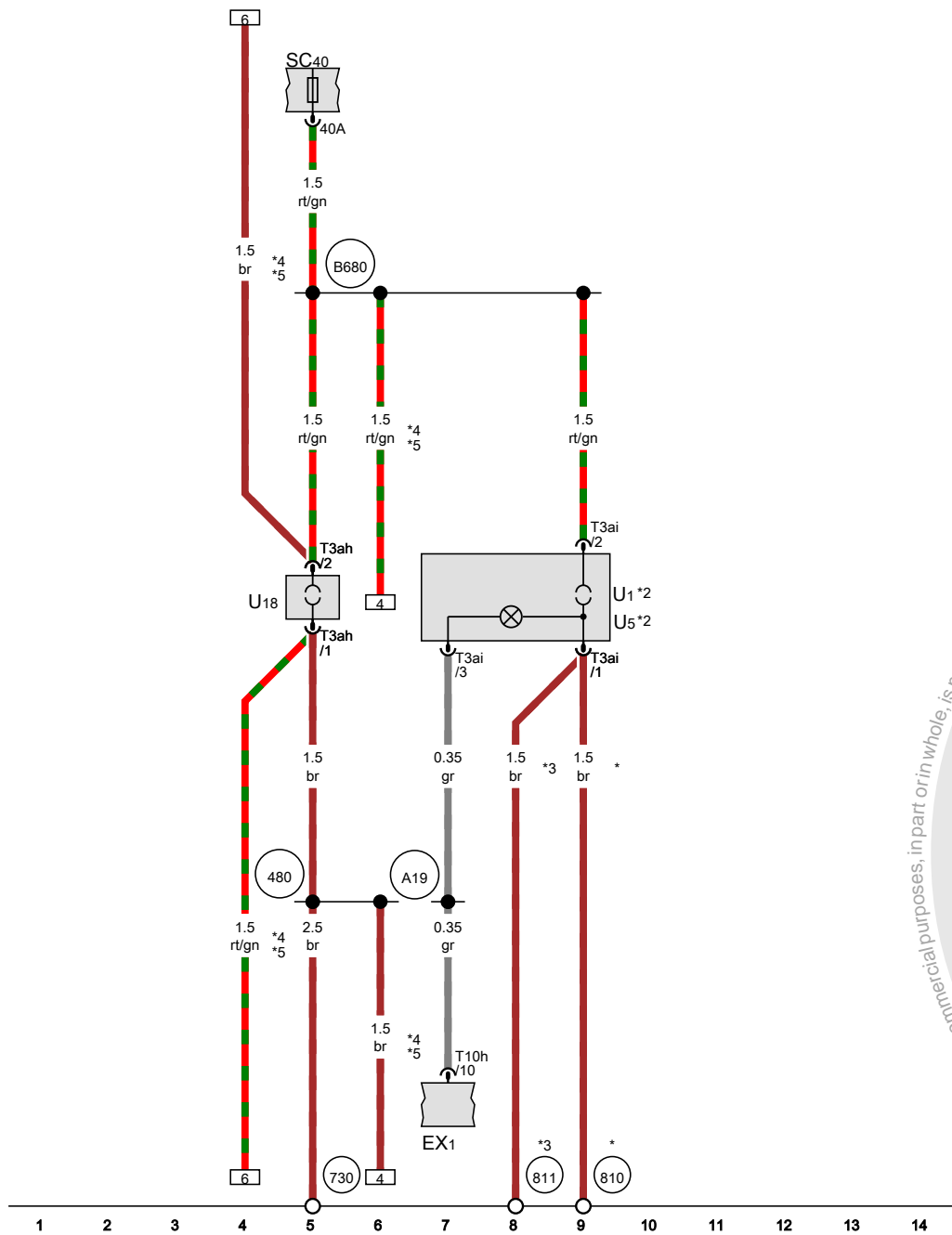
* Only models with all-wheel drive

*2 Only models with no all-wheel drive

12 V sockets

From May 2013





Rotary light switch, Cigarette lighter, 12 V socket, 12 V socket 2

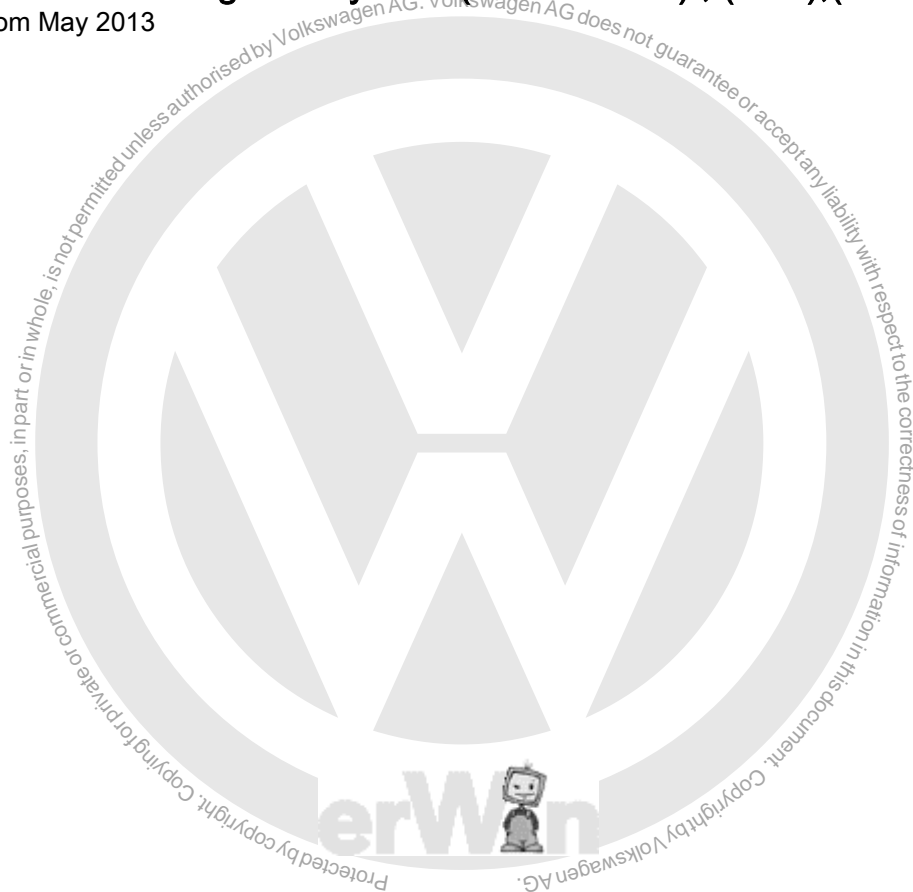
- EX1 Rotary light switch
- SC40 Fuse 40 on fuse holder C
- T3ah 3-pin connector
- T3ai 3-pin connector
- T10h 10-pin connector
- U1 Cigarette lighter, in front centre console
- U5 12 V socket, in front centre console
- U18 12 V socket 2, in luggage compartment

- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- * Only left-hand drive models
- *2 According to equipment
- *3 Only right-hand drive models
- *4 From November 2014
- *5 Only for American markets

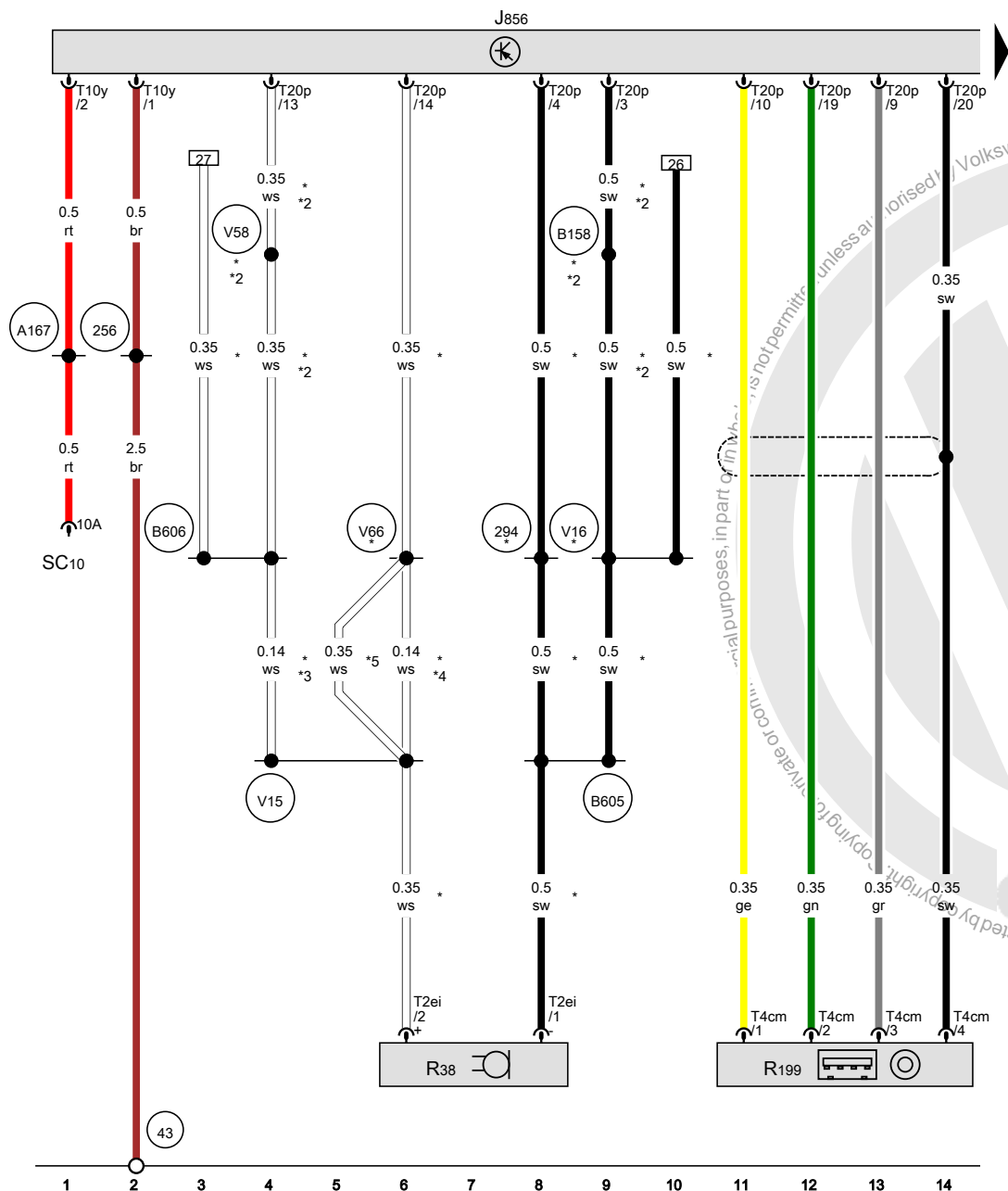
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- sw = black
- ro = red
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- bl = blue
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- ge = yellow
- or = orange
- rs = pink

Radio and navigation system (South Korea) , (ER7),(QU1)

From May 2013



Control unit for navigation system, Telephone microphone, Connection for external audio sources



- J856 Control unit for navigation system
- R38 Telephone microphone
- R199 Connection for external audio sources
- SC10 Fuse 10 on fuse holder C
- T2ei 2-pin connector
- T4cm 4-pin connector
- T10y 10-pin connector
- T20p 20-pin connector

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- 294 Earth connection 9, in interior wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B158 Connection (S), in interior wiring harness
- B605 Connection 1, in interior wiring harness
- B606 Connection 2, in interior wiring harness
- V15 Connection, in telephone wiring harness
- V16 Connection (screening), in telephone wiring harness
- V58 Connection 5 (telephone), in main wiring harness
- V66 Positive connection, in audio wiring harness

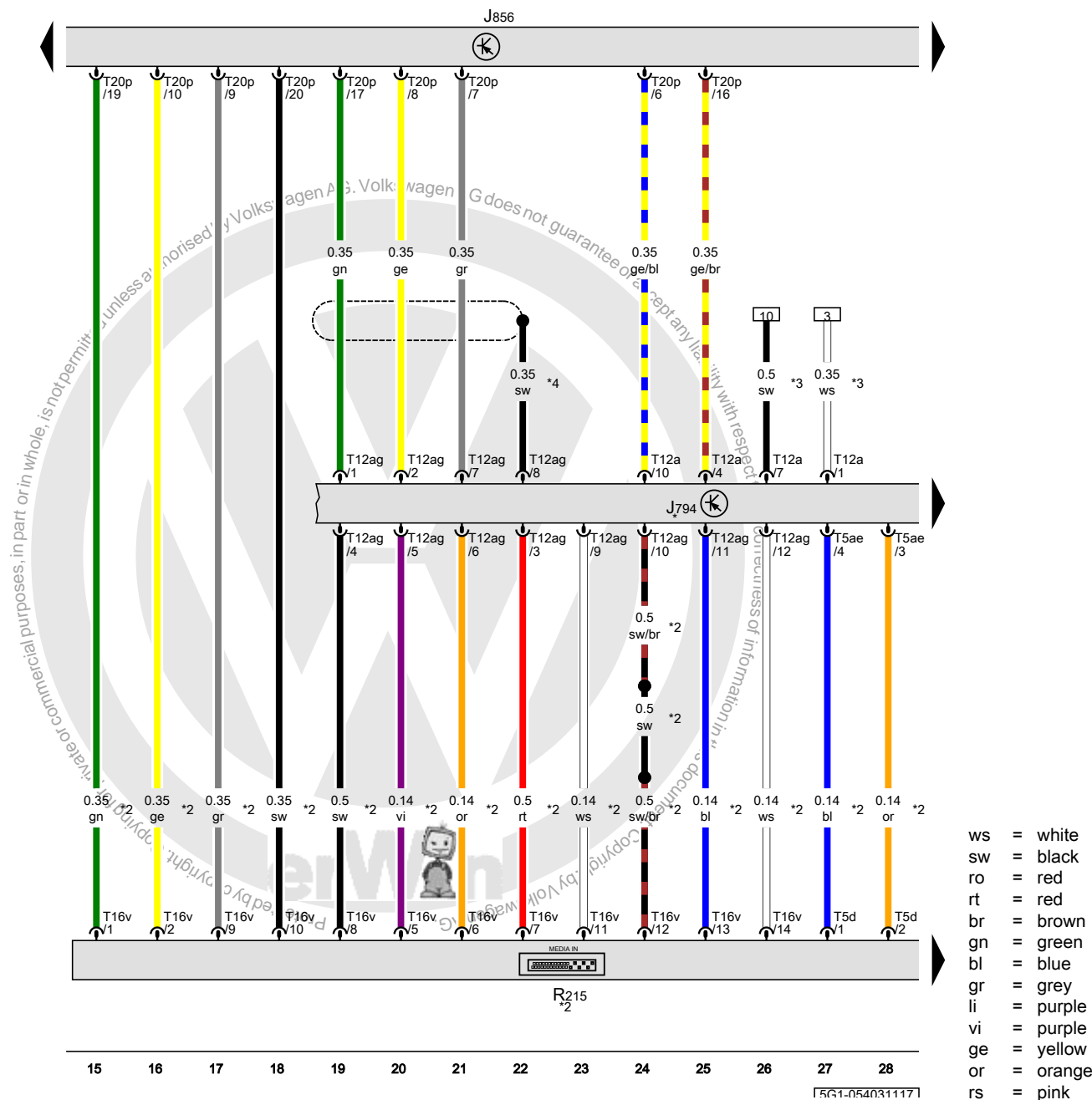
- ws = white
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- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

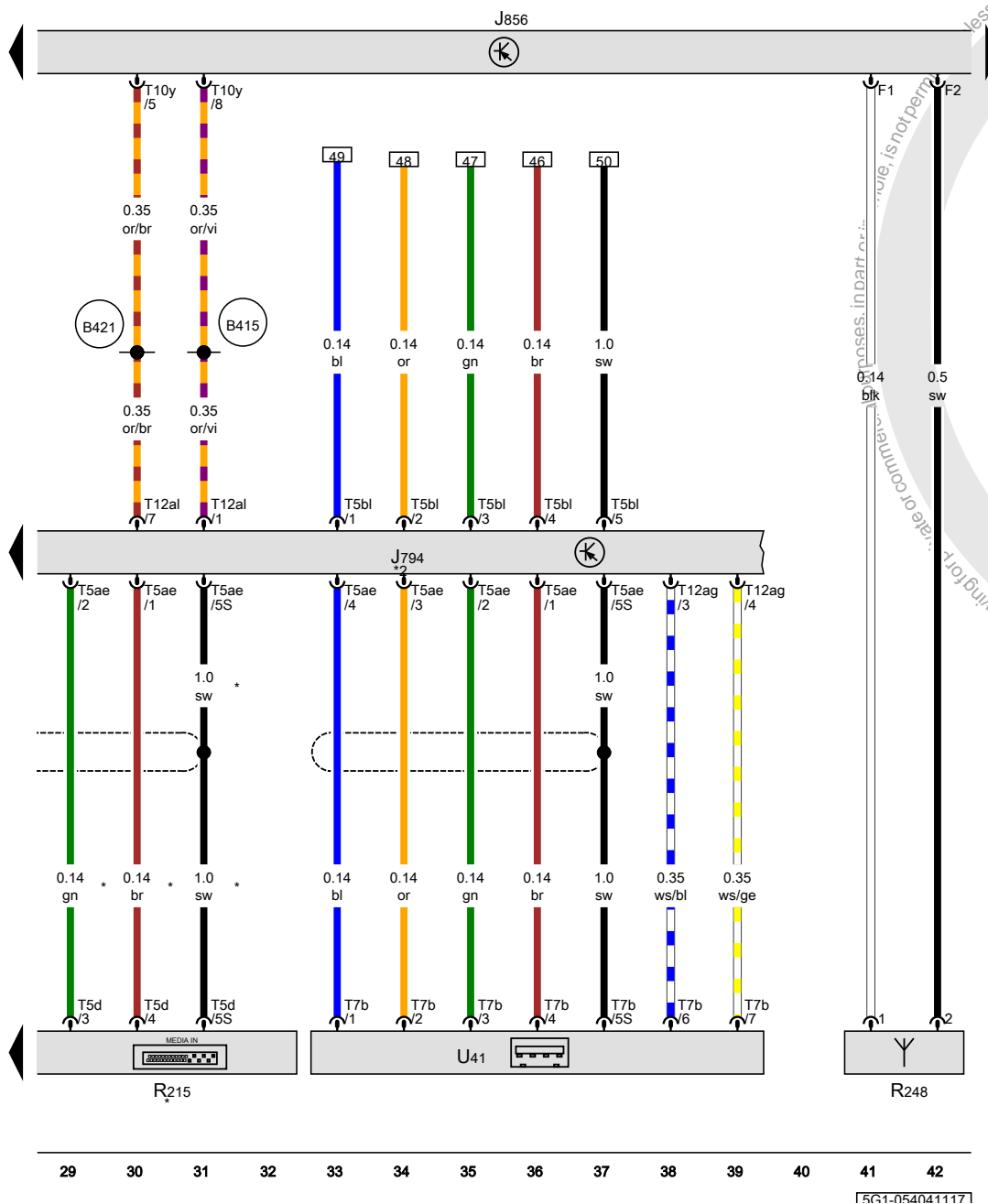
- * According to equipment
- *2 From May 2016
- *3 Cross section depends on equipment
- *4 Up to May 2017
- *5 From May 2017

15G1-0540211171

Control unit 1 for information electronics, Control unit for navigation system, Interface for external multimedia unit

- J794 Control unit 1 for information electronics
- J856 Control unit for navigation system
- R215 Interface for external multimedia unit
- T5ae 5-pin connector
- T5d 5-pin connector
- T12a 12-pin connector
- T12ag 12-pin connector
- T16v 16-pin connector
- T20p 20-pin connector
- * see applicable current flow diagram for radio/navigation system
- *2 Up to May 2016
- *3 According to equipment
- *4 Wiring open end





Control unit 1 for information electronics, Control unit for navigation system, Interface for external multimedia unit, Radio aerial, USB connection 1

- J794 Control unit 1 for information electronics
- J856 Control unit for navigation system
- R215 Interface for external multimedia unit
- R248 Radio aerial
- T5ae 5-pin connector
- T5bl 5-pin connector
- T5d 5-pin connector
- T7b 7-pin connector
- T10y 10-pin connector
- T12ag 12-pin connector
- T12al 12-pin connector
- U41 USB connection 1

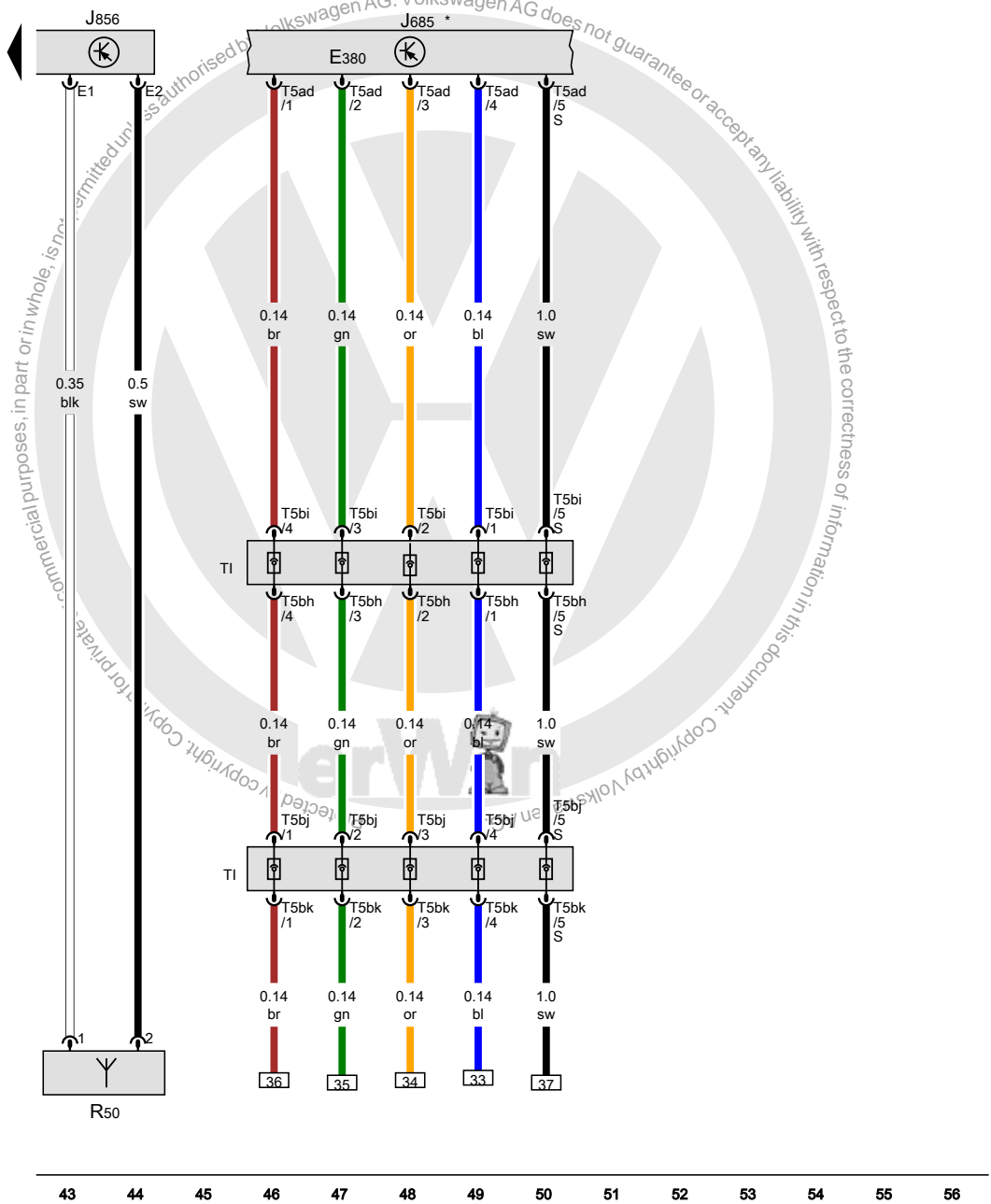
B415 Connection 1 (infotainment CAN bus, high), in main wiring harness

B421 Connection 1 (infotainment CAN bus, low), in main wiring harness

* Up to May 2016

*2 see applicable current flow diagram for radio/navigation system

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Display unit for front information display and operating unit control unit, Control unit for navigation system, GPS aerial

- E380 Multimedia system operating unit
- J685 Display unit for front information display and operating unit control unit
- J856 Control unit for navigation system
- R50 GPS aerial
- T5ad 5-pin connector, black
- T5bh 5-pin connector, white
- T5bi 5-pin connector, white
- T5bj 5-pin connector, black
- T5bk 5-pin connector, black
- Tl Coupling point in interior, under front passenger seat
- * see applicable current flow diagram for radio/navigation system

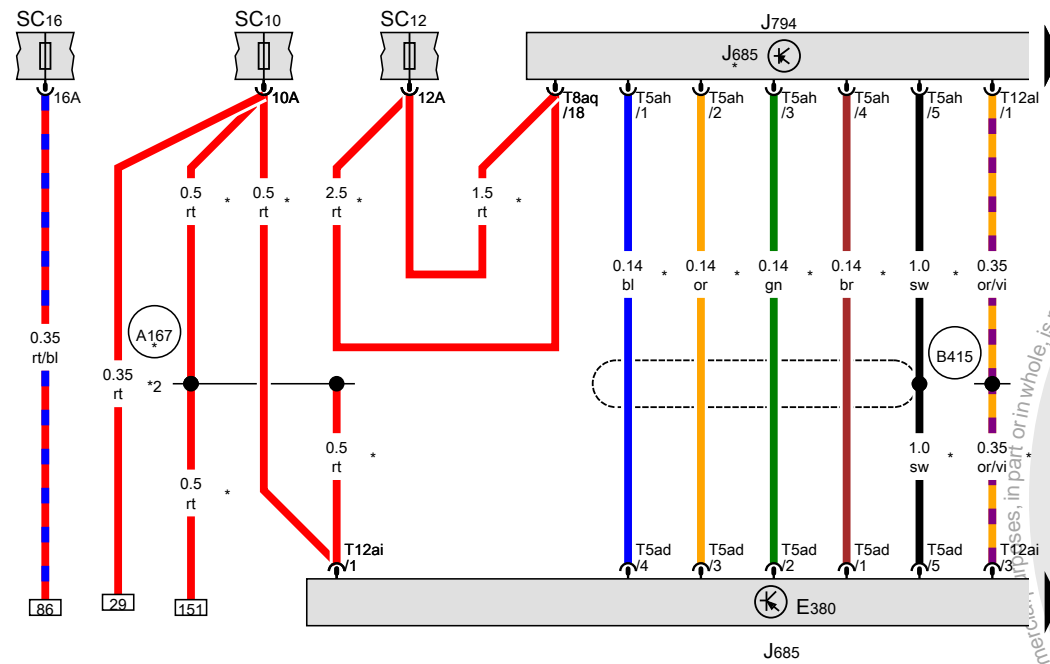
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radio navigation system

From April 2013

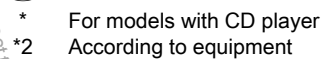


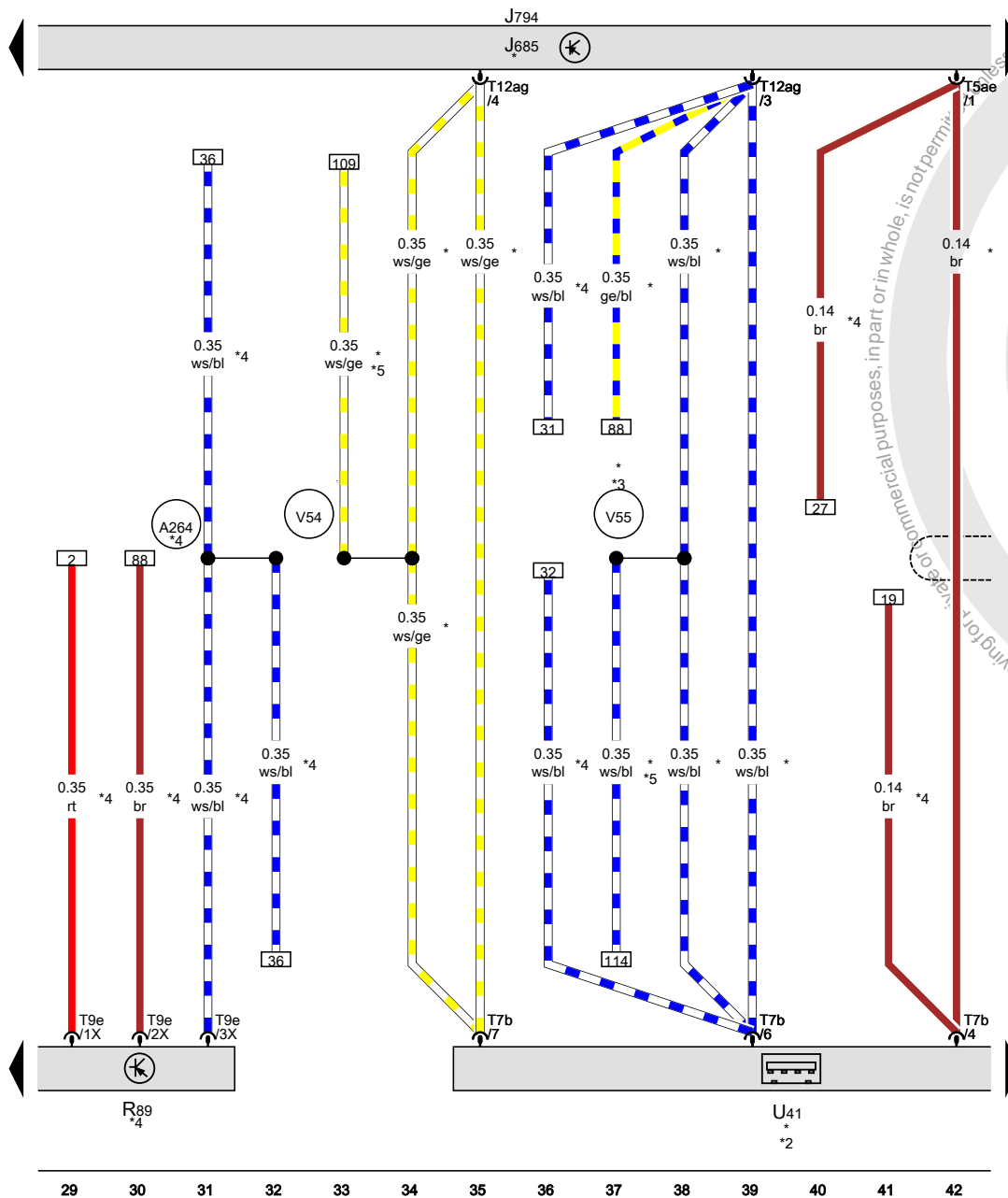
Multimedia system operating unit, Display unit for front information display and operating unit control unit, Control unit 1 for information electronics



- E380 Multimedia system operating unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- SC10 Fuse 10 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T5ad 5-pin connector
- T5ah 5-pin connector, grey
- T8aq 8-pin connector, black
- T12ai 12-pin connector
- T12al 12-pin connector, grey
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- * According to equipment
- *2 For models with CD player

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Control unit 1 for information electronics, CD player, USB connection 1

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R89 CD player
- T5ae 5-pin connector, yellow
- T7b 7-pin connector, white
- T9e 9-pin connector, black
- T12ag 12-pin connector, green
- U41 USB connection 1

A264 Connection 1 (5V), in dash panel wiring harness

V54 Connection 1 (telephone), in main wiring harness

V55 Connection 2 (telephone), in main wiring harness

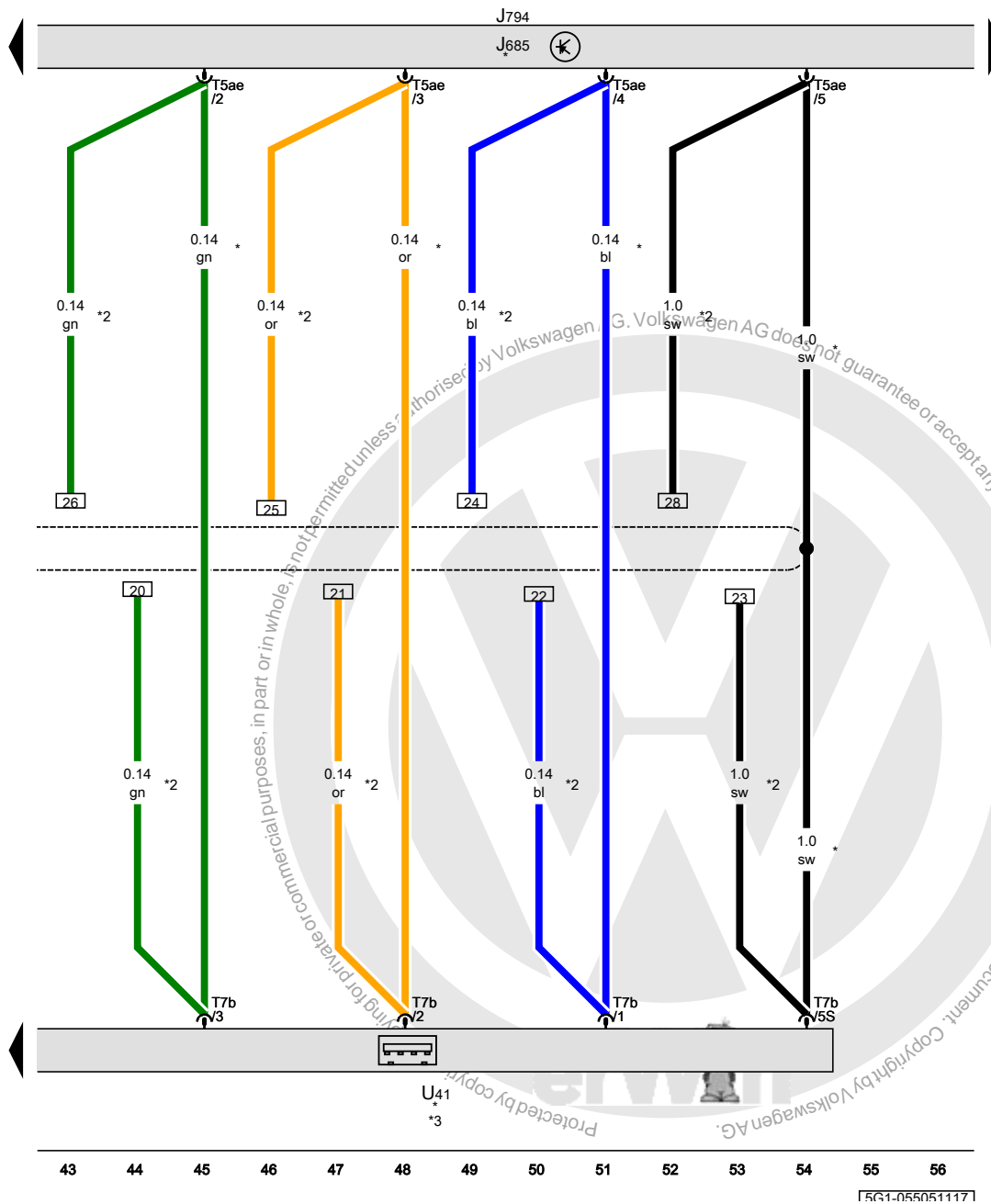
- * According to equipment
- *2 Different connector colour possible
- *3 gradual introduction
- *4 For models with CD player
- *5 Up to November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15G1-0550411171

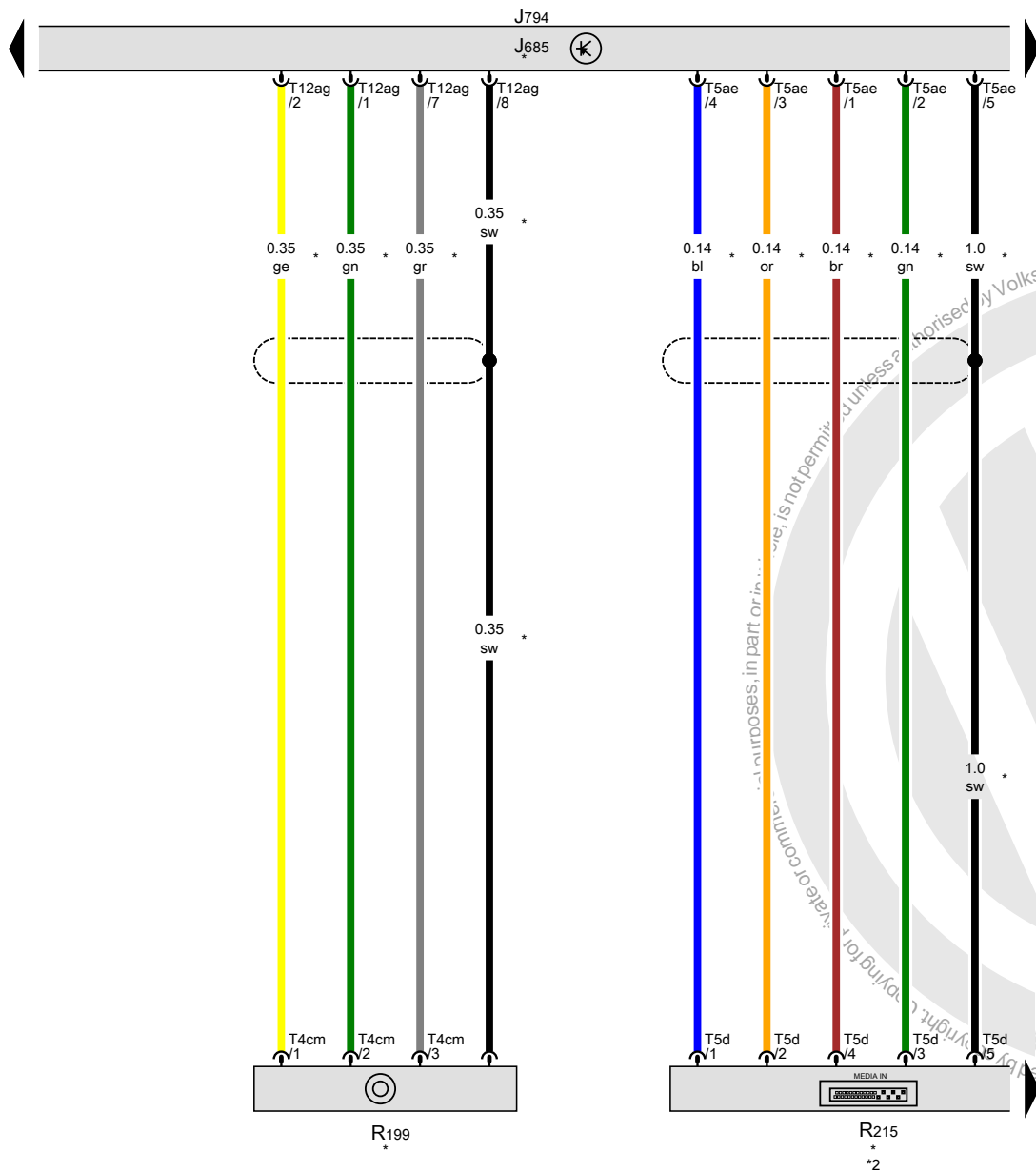
Control unit 1 for information electronics, USB connection 1

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- T5ae 5-pin connector, yellow
- T7b 7-pin connector, white
- U41 USB connection 1
- * According to equipment
- *2 For models with CD player
- *3 Different connector colour possible

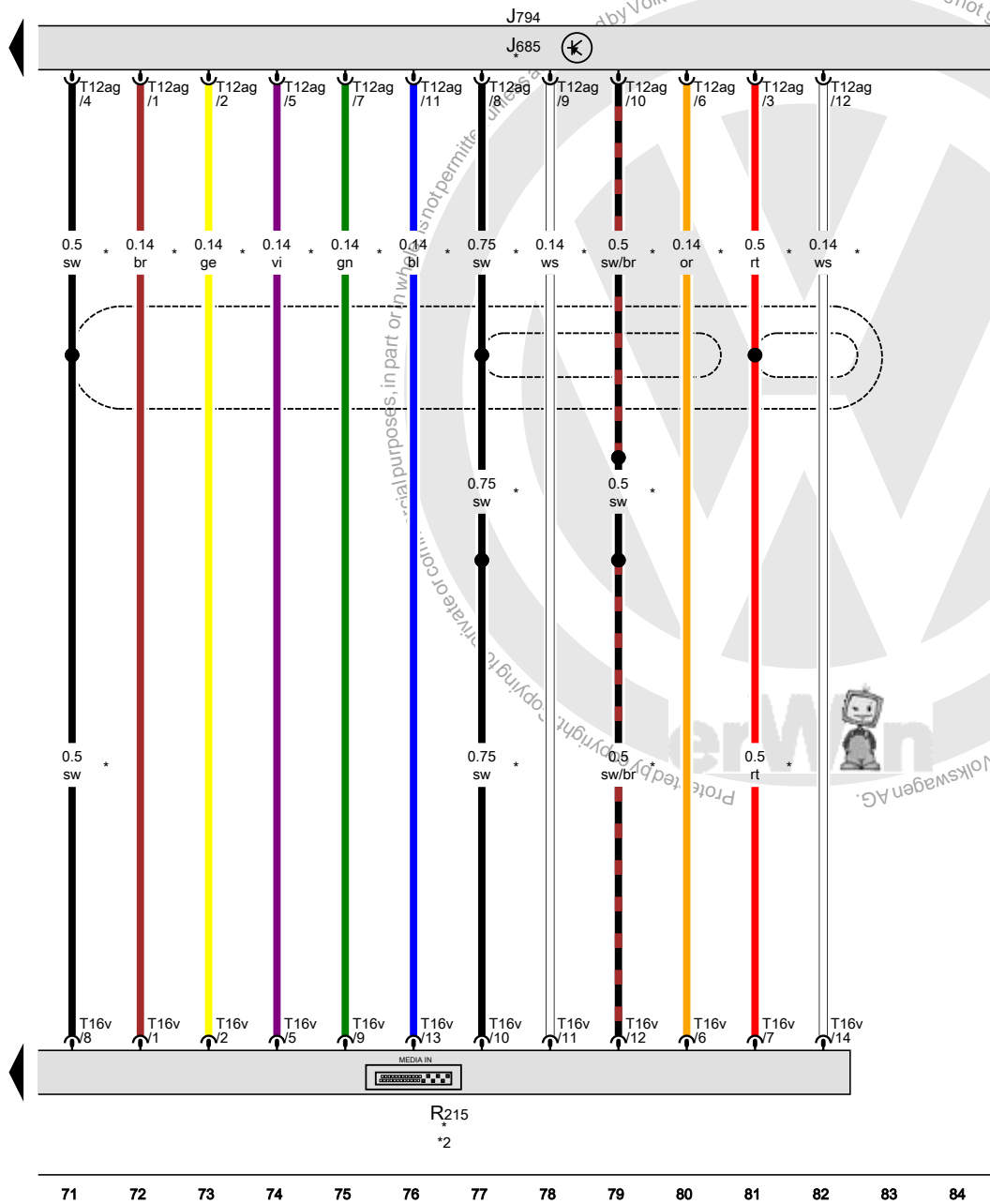


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit 1 for information electronics, Connection for external audio sources, Interface for external multimedia unit



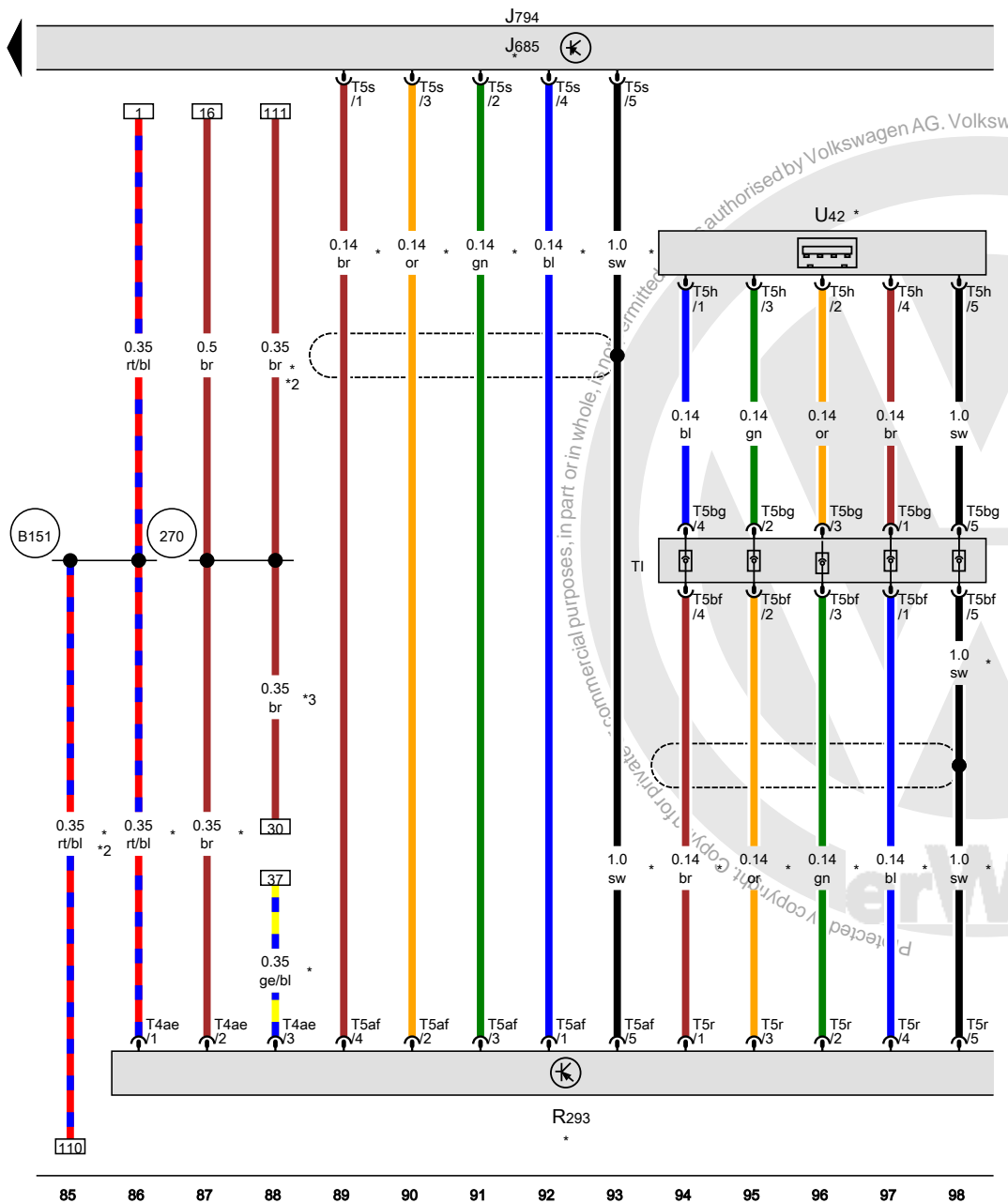
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R199 Connection for external audio sources
- R215 Interface for external multimedia unit
- T4cm 4-pin connector
- T5ae 5-pin connector, yellow
- T5d 5-pin connector
- T12ag 12-pin connector, green
- * According to equipment
- *2 Up to November 2015



Control unit 1 for information electronics, Interface for external multimedia unit

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R215 Interface for external multimedia unit
- T12ag 12-pin connector, green
- T16v 16-pin connector
- * According to equipment
- *2 Up to November 2015

Control unit 1 for information electronics, USB hub, USB connection 2



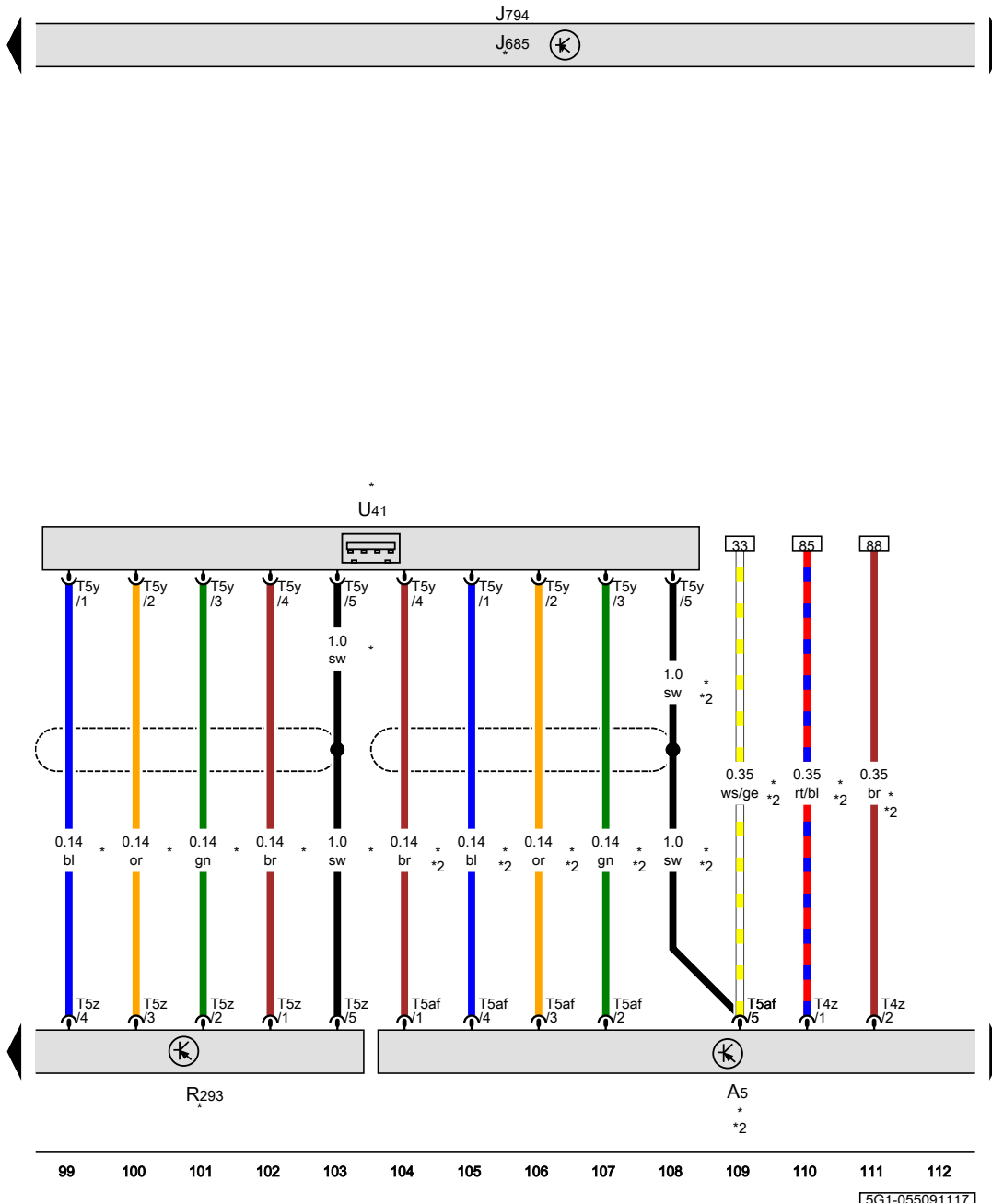
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R293 USB hub, under centre console
- T4ae 4-pin connector, red
- T5af 5-pin connector, green
- T5bf 5-pin connector, green
- T5bg 5-pin connector, green
- T5h 5-pin connector, green
- T5r 5-pin connector, purple
- T5s 5-pin connector, yellow
- TI Coupling point in interior
- U42 USB connection 2

- 270 Earth connection, in telephone wiring harness
- B151 Positive connection 3 (30a), in interior wiring harness
- * According to equipment
- *2 Up to November 2015
- *3 For models with CD player

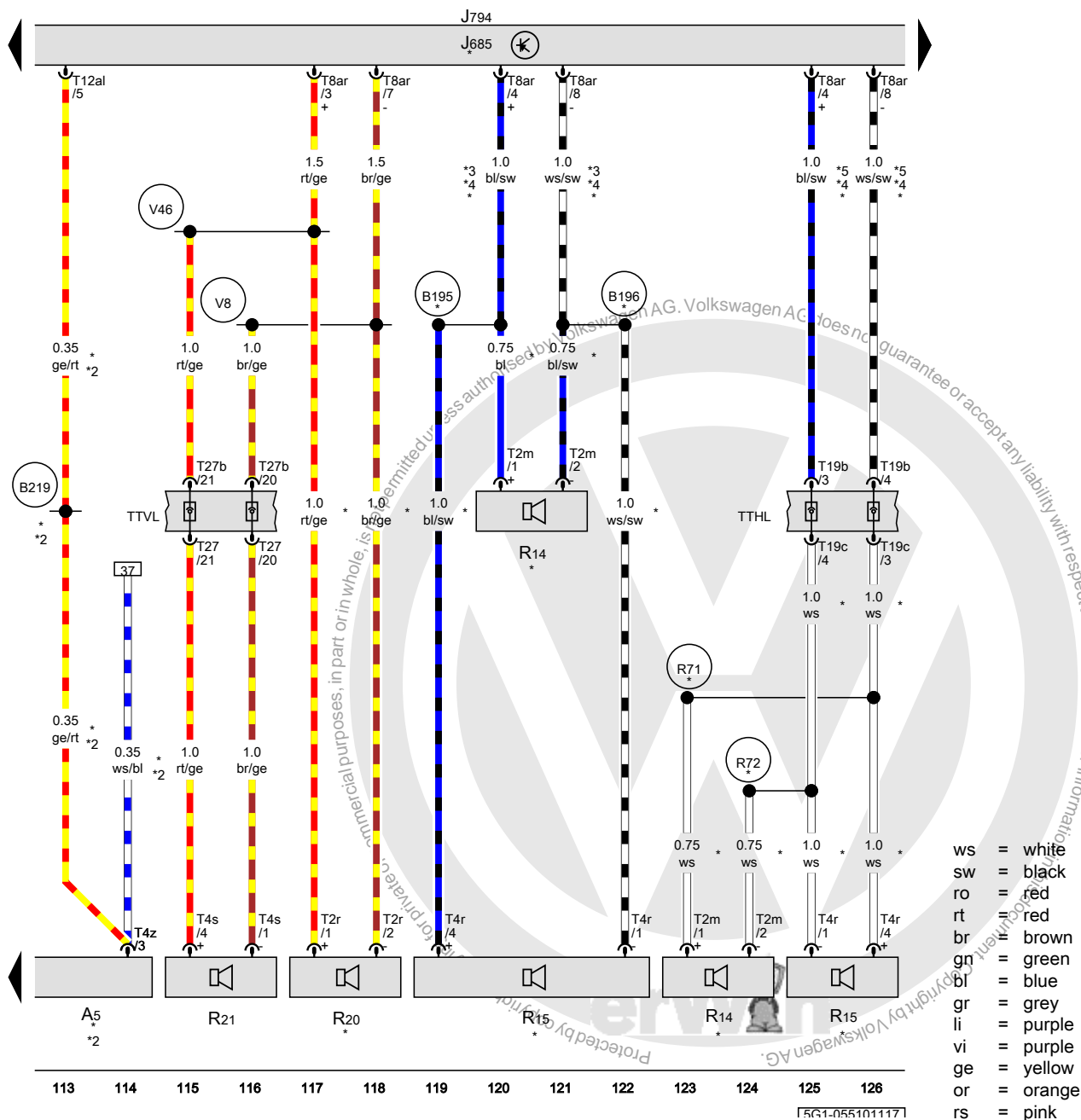
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Voltage converter for USB charge module, Control unit 1 for information electronics, USB hub, USB connection 1

- A5 Voltage converter for USB charge module, under centre console
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R293 USB hub, under centre console
- T4z 4-pin connector
- T5af 5-pin connector
- T5y 5-pin connector, green
- T5z 5-pin connector, blue
- U41 USB connection 1
- * According to equipment
- *2 Up to November 2015

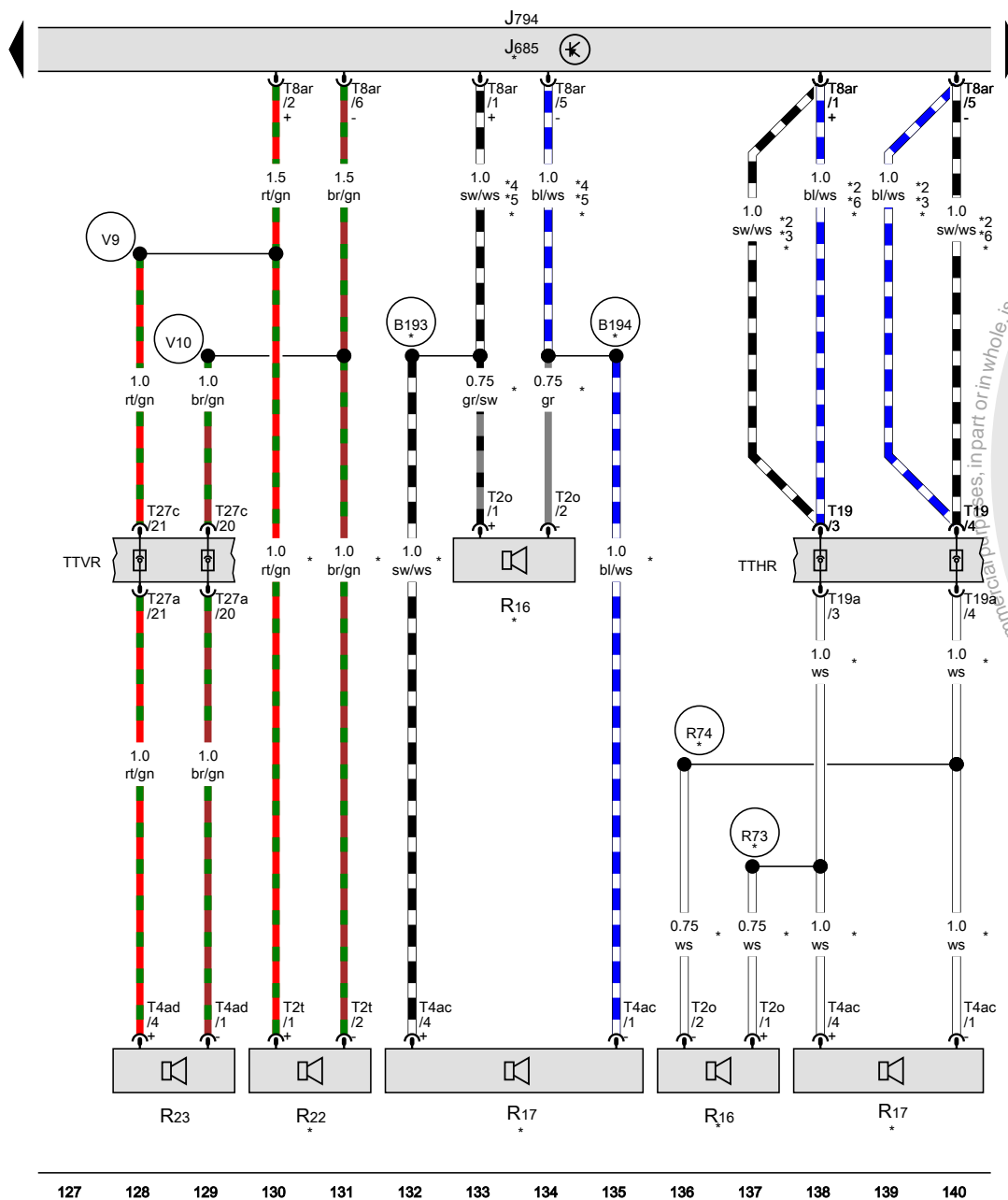


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Voltage converter for USB charge module, Control unit 1 for information electronics, Rear left treble loudspeaker, Rear left bass loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- A5 Voltage converter for USB charge module, under centre console
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T2m 2-pin connector
- T2r 2-pin connector
- T4r 4-pin connector
- T4s 4-pin connector
- T4z 4-pin connector
- T8ar 8-pin connector
- T12al 12-pin connector, grey
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T27 27-pin connector, black
- T27b 27-pin connector, black
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- B195 Connection (positive, rear left loudspeaker), in interior wiring harness
- B196 Connection (negative, rear left loudspeaker), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- R71 Connection (positive, loudspeaker), in rear left door wiring harness
- R72 Connection (negative, loudspeaker), in rear left door wiring harness
- V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness
- V46 Connection (front left loudspeaker), in loudspeaker wiring harness
- * According to equipment
- *2 Up to November 2015
- *3 For models with 2 doors
- *4 Wiring colour depends on equipment
- *5 For models with 4 doors



Control unit 1 for information electronics, Rear right treble loudspeaker, Rear right bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J685 Display unit for front information display and operating unit control unit

J794 Control unit 1 for information electronics

R16 Rear right treble loudspeaker

R17 Rear right bass loudspeaker

R22 Front right treble loudspeaker

R23 Front right bass loudspeaker

T2o 2-pin connector

T2t 2-pin connector

T4ac 4-pin connector

T4ad 4-pin connector

T8ar 8-pin connector

T19 19-pin connector, black

T19a 19-pin connector, black

T27a 27-pin connector, black

T27c 27-pin connector, black

TTHR Coupling point for rear right door

TTVR Coupling point for front right door

B193 Connection (positive, rear right loudspeaker), in interior wiring harness

B194 Connection (negative, rear right loudspeaker), in interior wiring harness

R73 Connection (positive, loudspeaker), in rear right door wiring harness

R74 Connection (negative, loudspeaker), in rear right door wiring harness

V9 Connection (positive, front right loudspeaker), in loudspeaker wiring harness

V10 Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* According to equipment

*2 For models with 4 doors

*3 From November 2013

*4 For models with 2 doors

*5 Wiring colour depends on equipment

*6 Up to November 2013

ws = white
sw = black
ro = red
rt = red
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gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

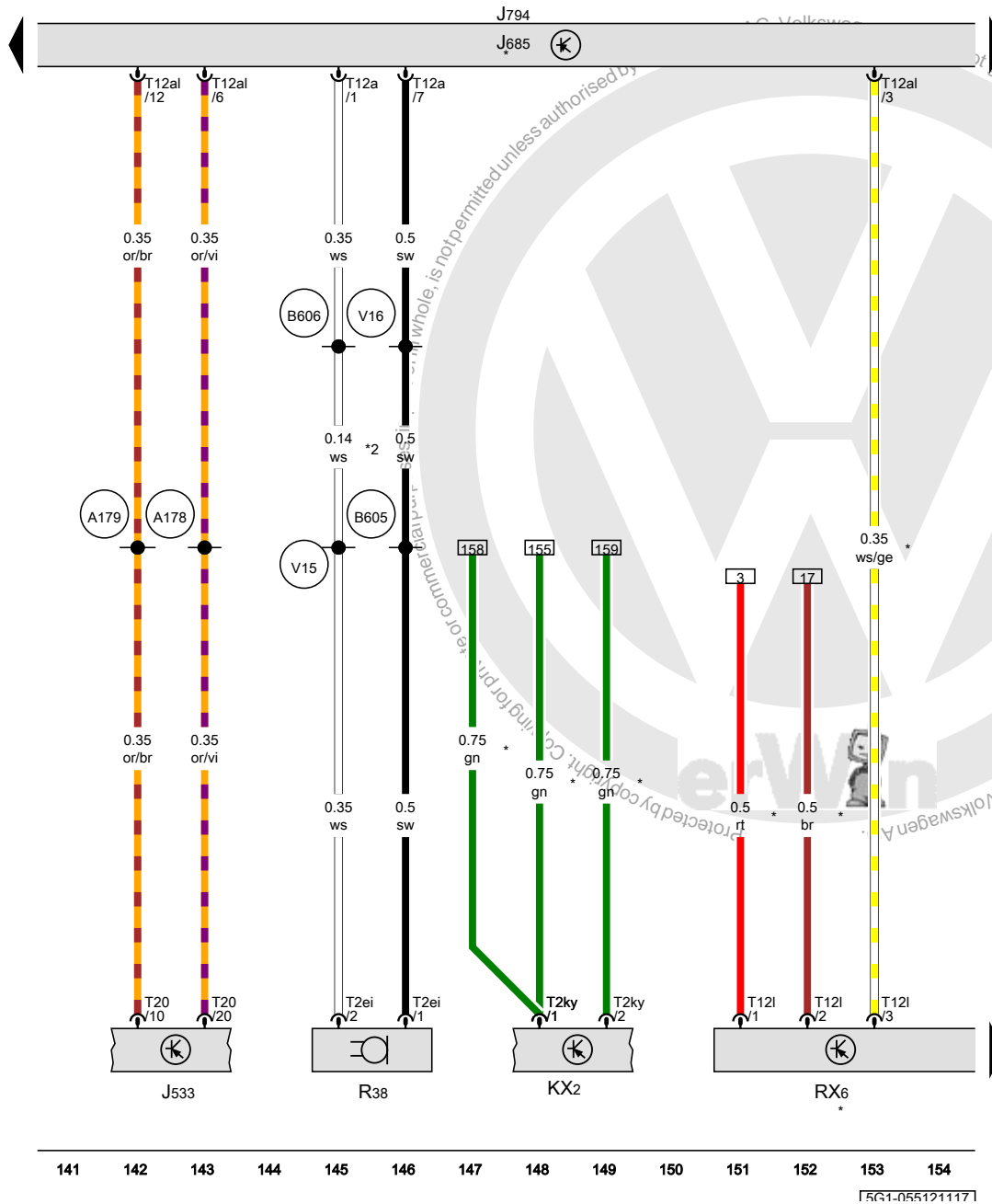
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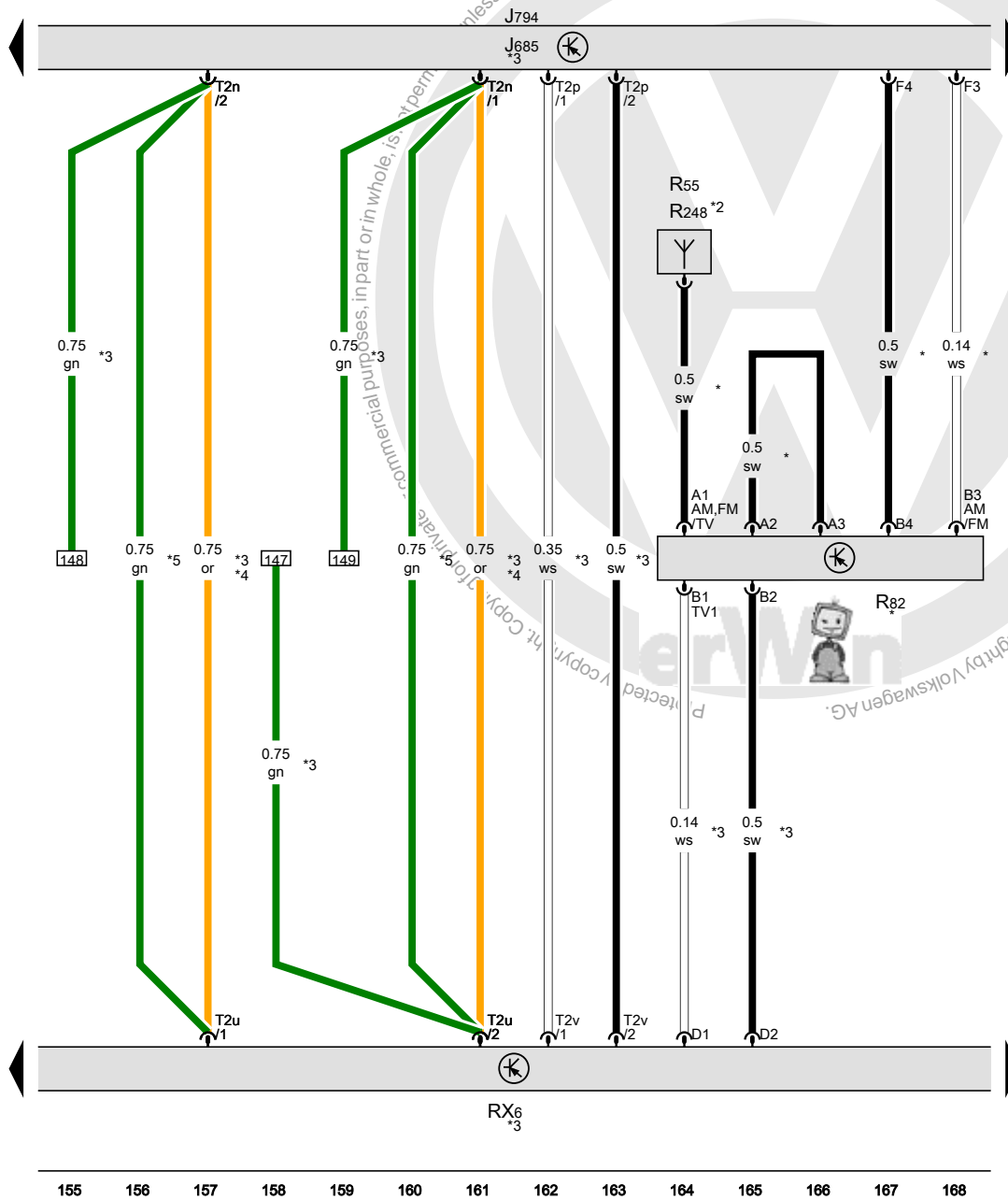
Data bus diagnostic interface, Control unit 1 for information electronics, Dash panel insert, TV tuner, Telephone microphone

- J533 Data bus diagnostic interface
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- KX2 Dash panel insert
- RX6 TV tuner
- R38 Telephone microphone
- T2ei 2-pin connector
- T2ky 2-pin connector, black
- T12a 12-pin connector, blue
- T12al 12-pin connector, grey
- T12l 12-pin connector, black
- T20 20-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B605 Connection 1, in interior wiring harness
- B606 Connection 2, in interior wiring harness
- V15 Connection, in telephone wiring harness
- V16 Connection (screening), in telephone wiring harness

* According to equipment
*2 Cross section depends on equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

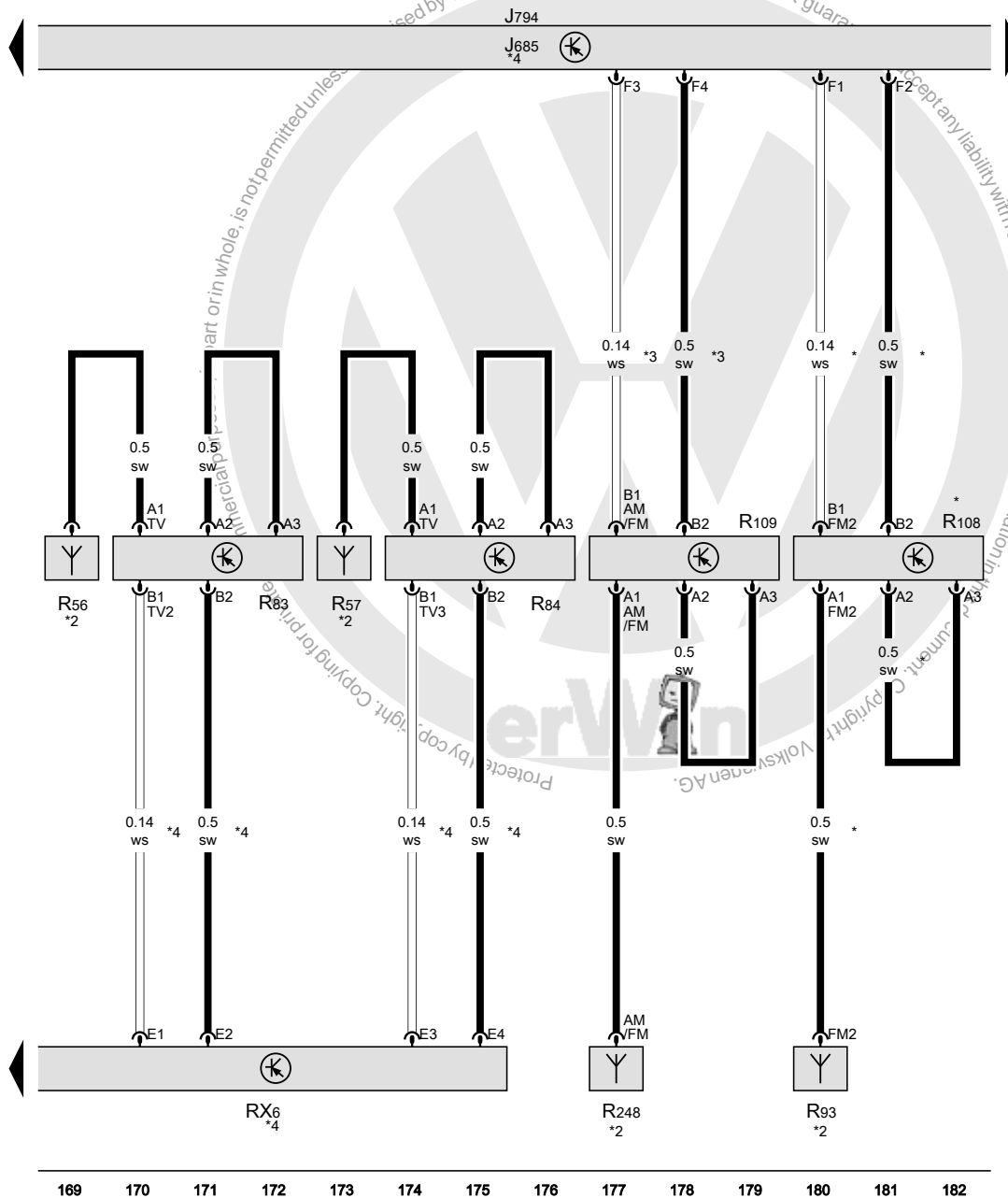




Control unit 1 for information electronics, TV tuner, Aerial amplifier 1 for TV

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- RX6 TV tuner
- R55 TV aerial 1
- R82 Aerial amplifier 1 for TV, Rear window, top right
- R248 Radio aerial
- T2n 2-pin connector, black
- T2p 2-pin connector
- T2u 2-pin connector, black
- T2v 2-pin connector, green
- * For models with TV tuner
- *2 Rear window aerial
- *3 According to equipment
- *4 Up to May 2015
- *5 From May 2015

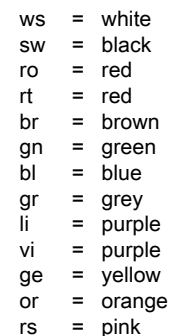
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- gr = grey
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- vi = purple
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- rs = pink



Control unit 1 for information electronics, TV tuner, Aerial amplifier 2 for TV, Aerial amplifier 3 for TV, Radio aerial 2, Left aerial module, Right aerial module, Radio aerial

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- RX6 TV tuner
- R56 TV aerial 2
- R57 TV aerial 3
- R83 Aerial amplifier 2 for TV, Rear window, bottom right
- R84 Aerial amplifier 3 for TV, Rear window, bottom left
- R93 Radio aerial 2
- R108 Left aerial module, Rear window, top left
- R109 Right aerial module, Rear window, top right
- R248 Radio aerial
- * For models with no digital radio
- *2 Rear window aeral
- *3 For models with no TV receiver
- *4 According to equipment

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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



- * According to equipment
- *2 Rear window aerial
- *3 For models with digital radio

2.0l diesel engine , CRBC,CRLB,CRVA,CRVC,CUNA

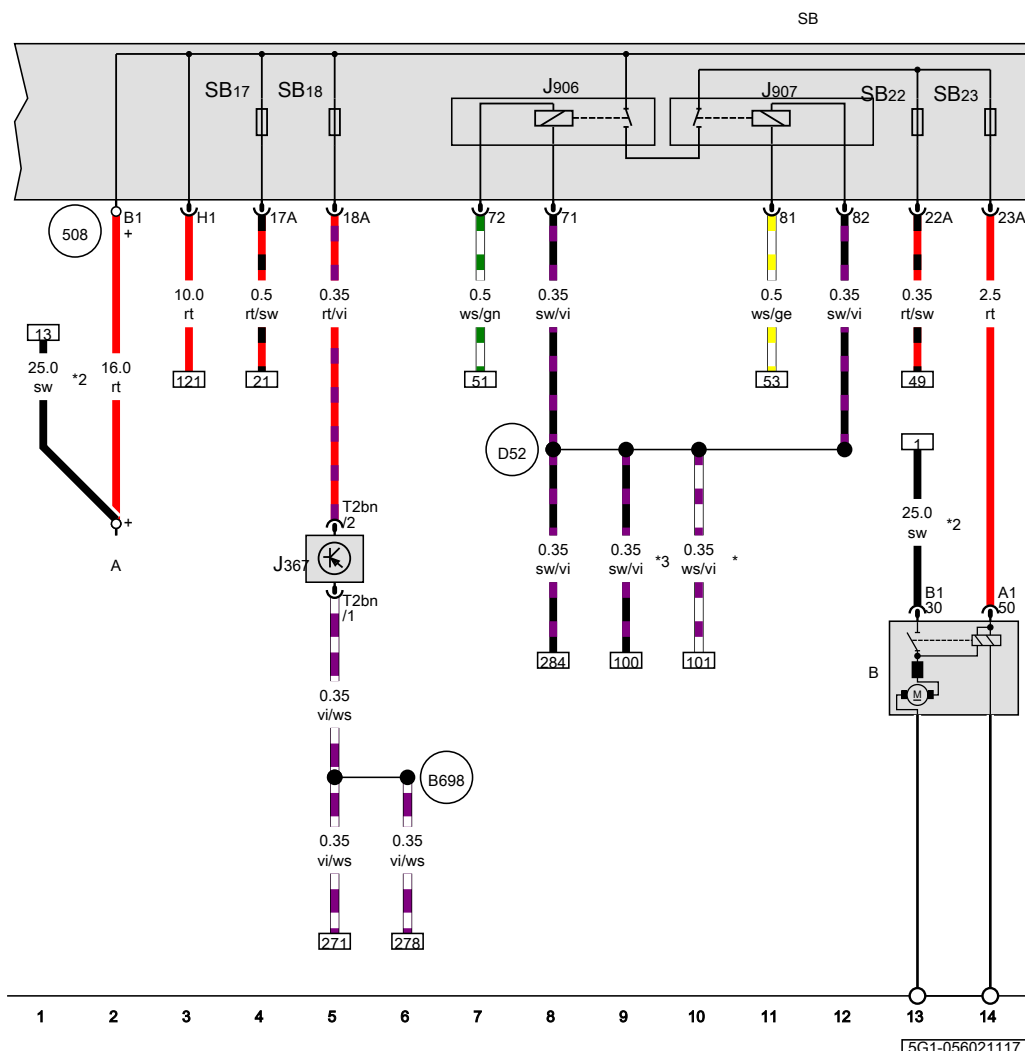
From May 2013



Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross-section 35.0 possible
- *3 From May 2014



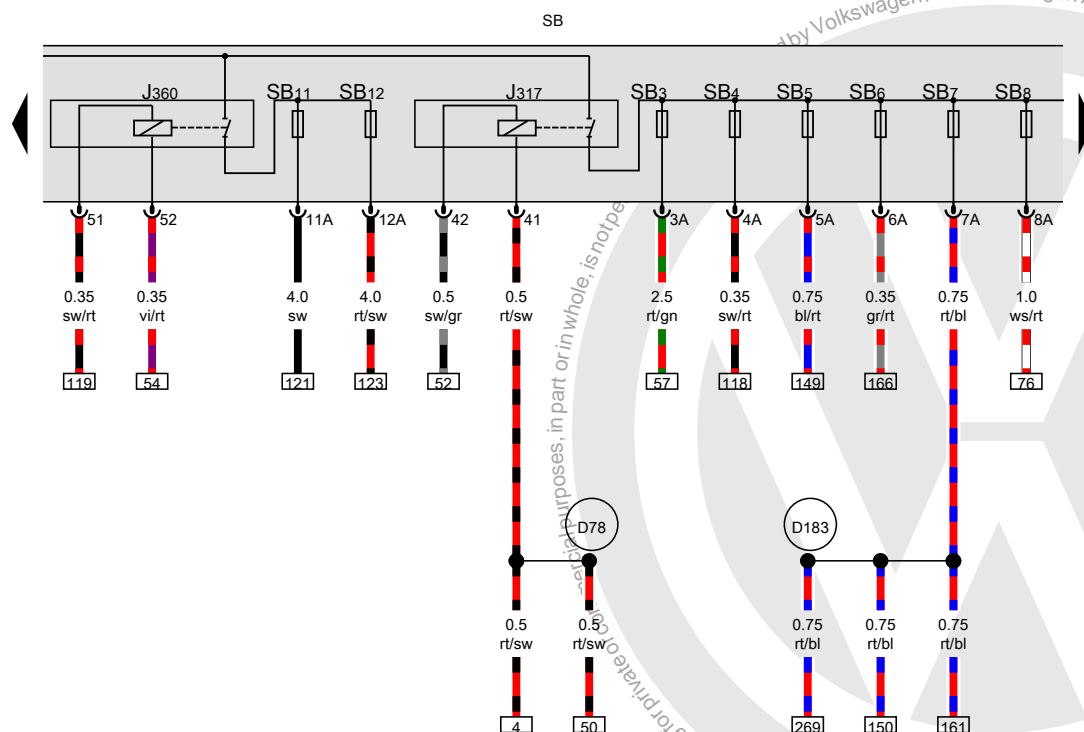
- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B

D78 Positive connection 1 (30a), in engine compartment wiring harness

D183 Connection 4 (87a), in engine compartment wiring harness

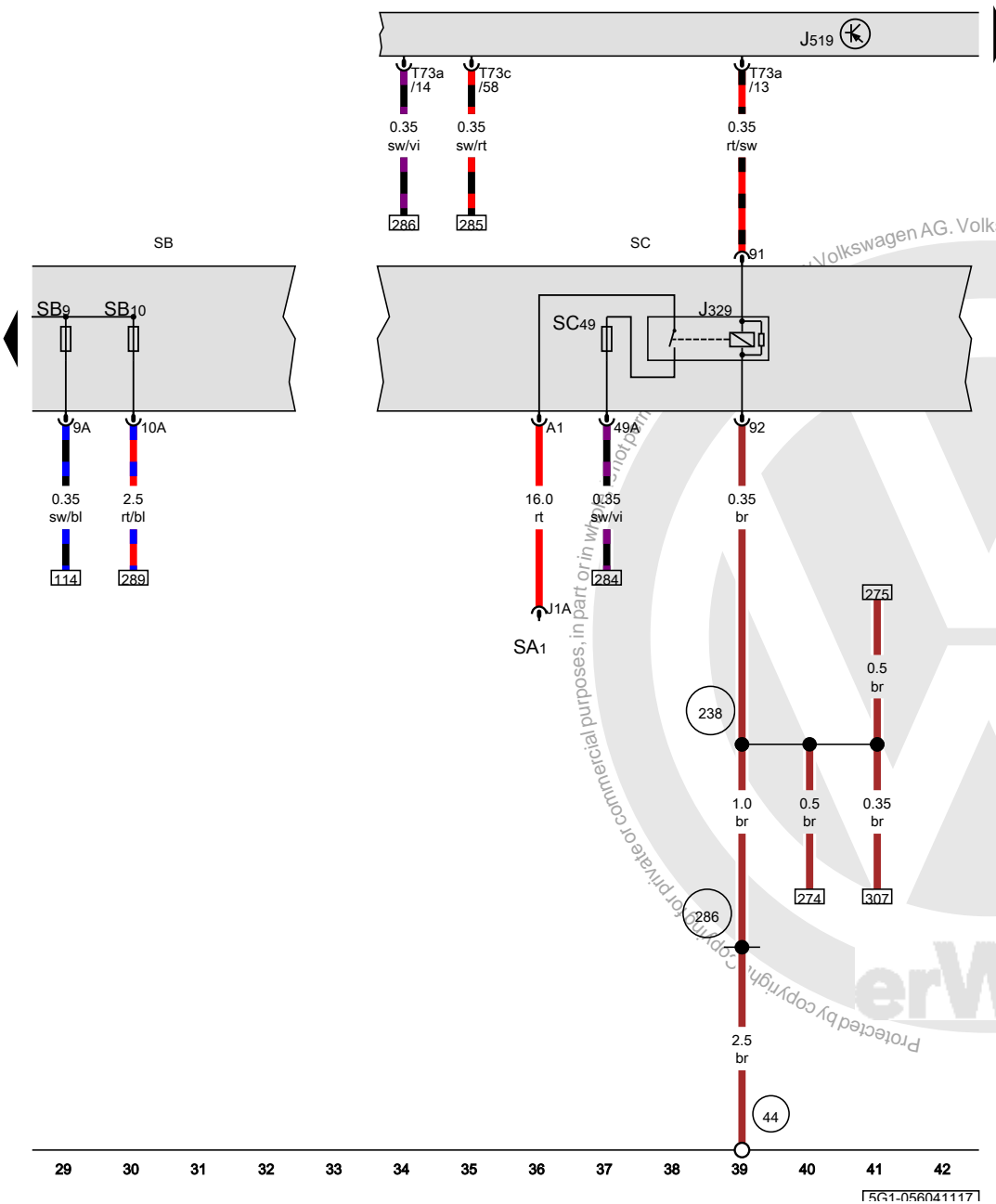


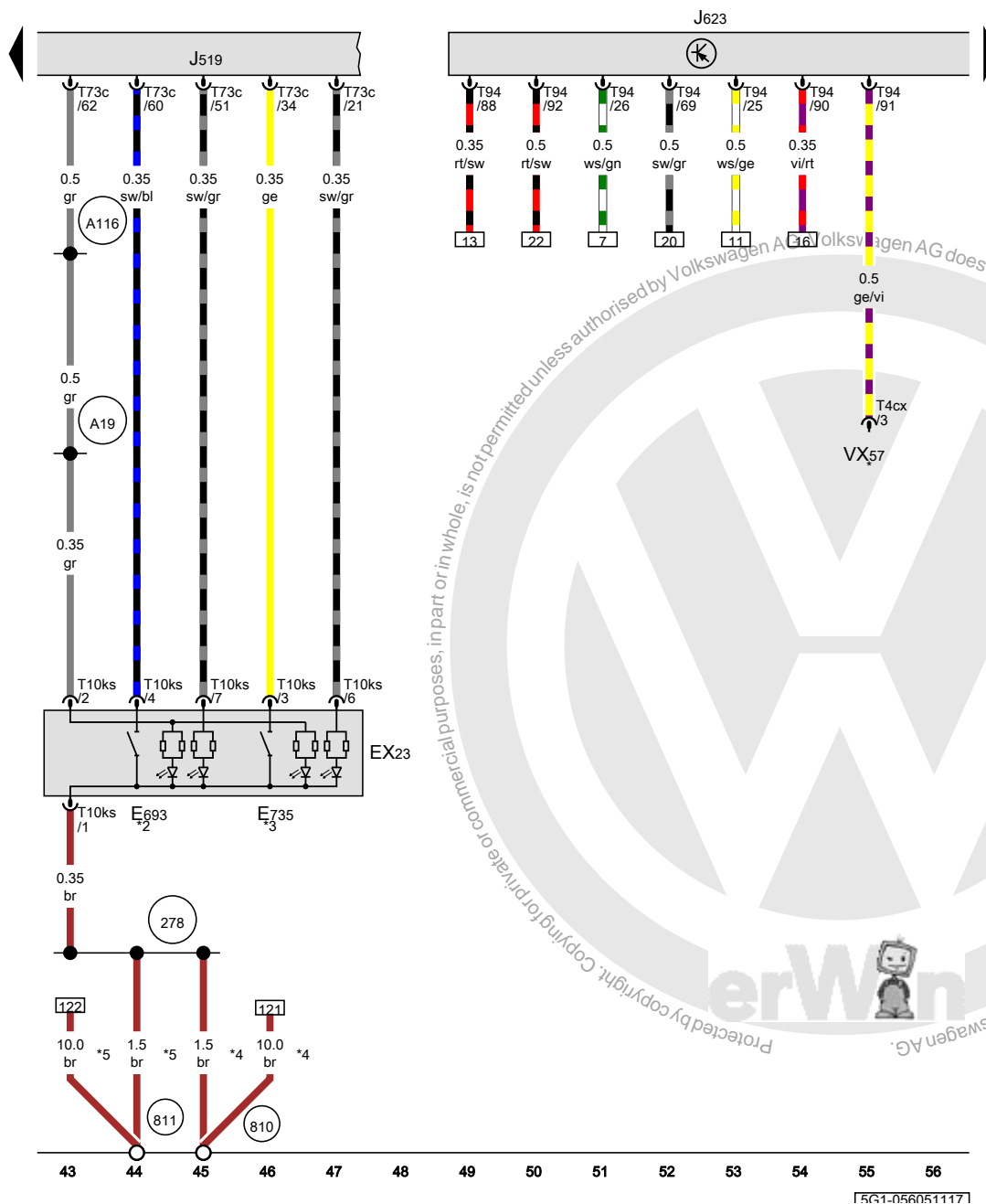
- ws = white
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- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness



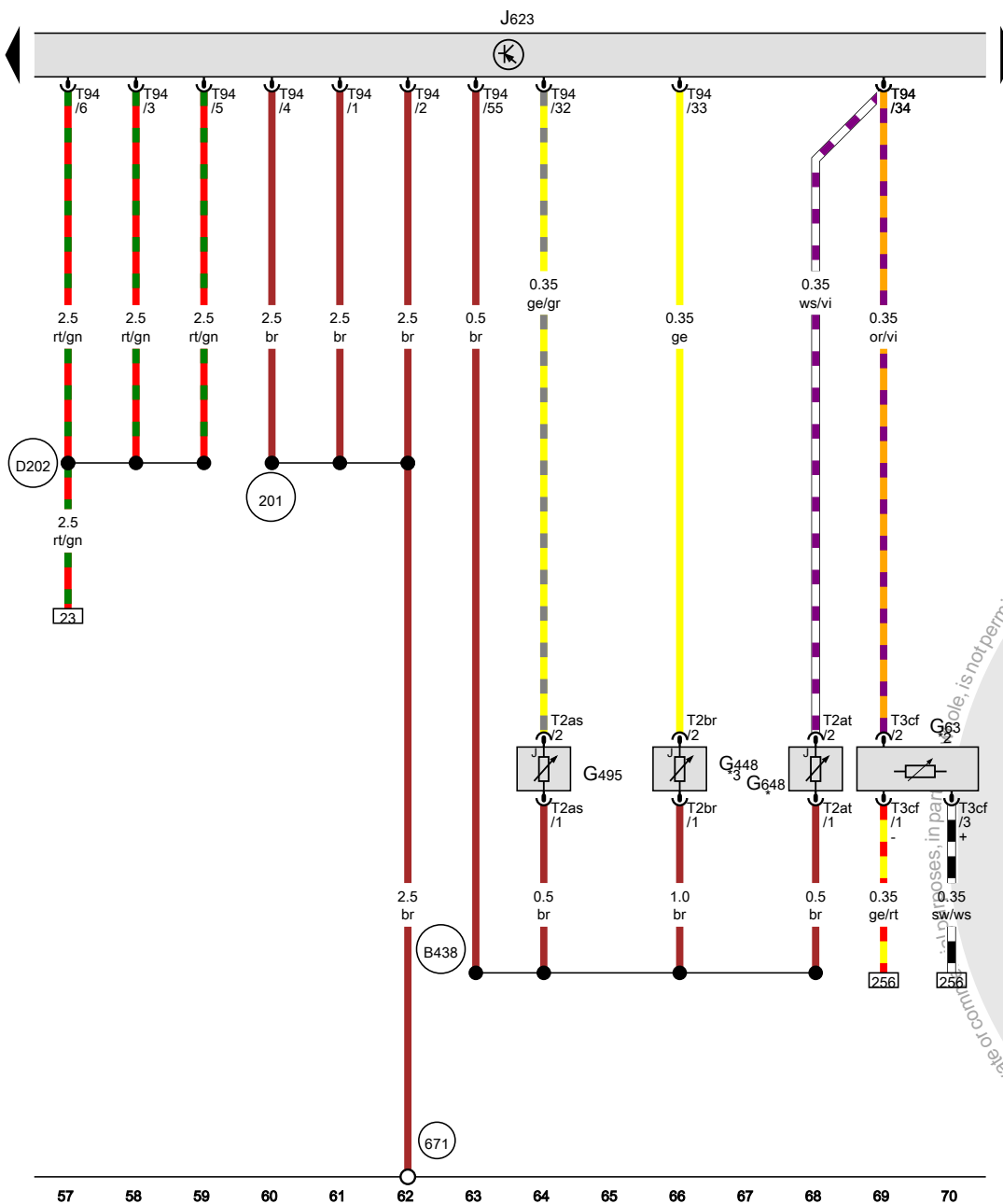


Switch module 1 in centre console, Onboard supply control unit, Engine/motor control unit, Radiator fan

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- T4cx 4-pin connector
- T10ks 10-pin connector
- T73c 73-pin connector
- T94 94-pin connector
- VX57 Radiator fan

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Pre-wired component
- *2 For models with start/stop system
- *3 According to equipment
- *4 For left-hand drive models
- *5 For right-hand drive models

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Water separator sender, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit

- G63 Water separator sender
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- T2as 2-pin connector
- T2at 2-pin connector
- T2br 2-pin connector
- T3cf 3-pin connector
- T94 94-pin connector

201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

B438 Connection 2 (GND (earth)), in main wiring harness

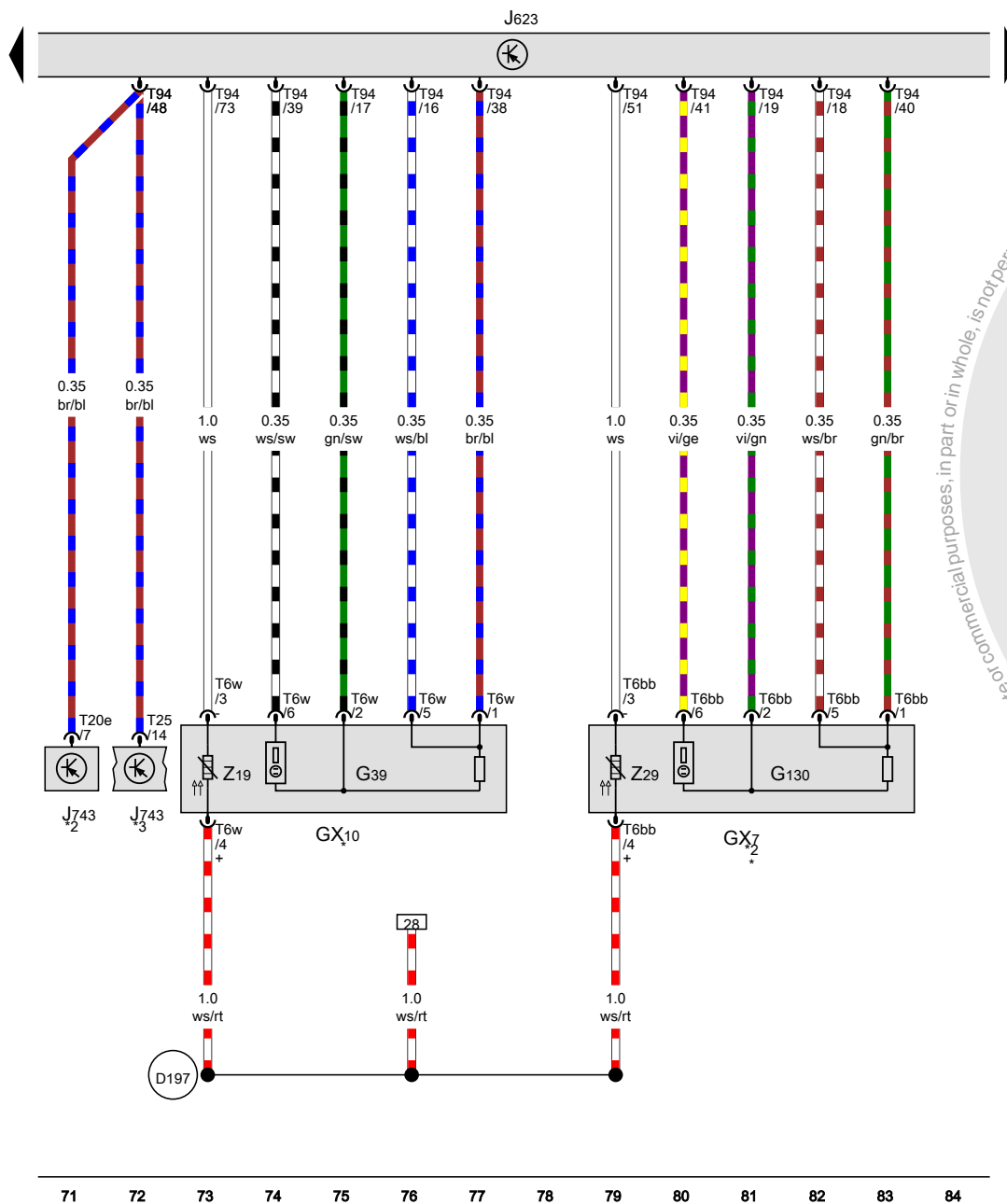
D202 Connection 6 (87a), in engine compartment wiring harness

* Not for models with Euro 4 emission standard

*2 For models with Euro 4 emission standard

*3 For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

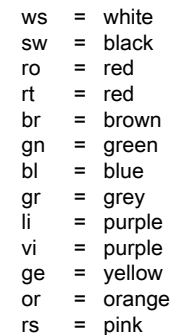
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector
- T6w 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

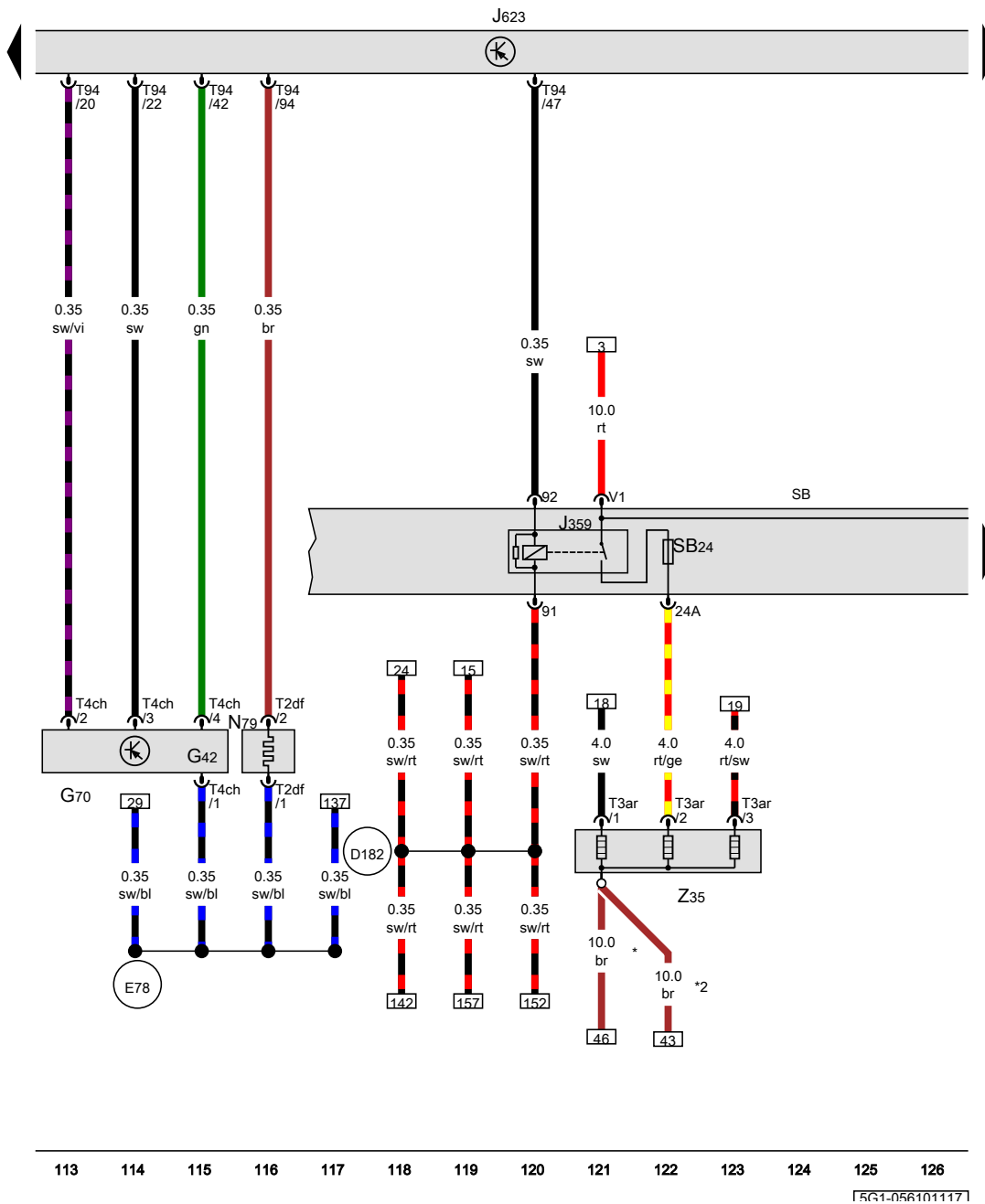
D197 Connection 5 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 see applicable current flow diagram for gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[5G1-056071117]





Air mass meter, Low heat output relay, Engine/motor control unit, Heater element for crankcase breather, Auxiliary air heater element

- G42 Intake air temperature sender
- G70 Air mass meter
- J359 Low heat output relay
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T3ar 3-pin connector
- T4ch 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

D182 Connection 3 (87a), in engine compartment wiring harness

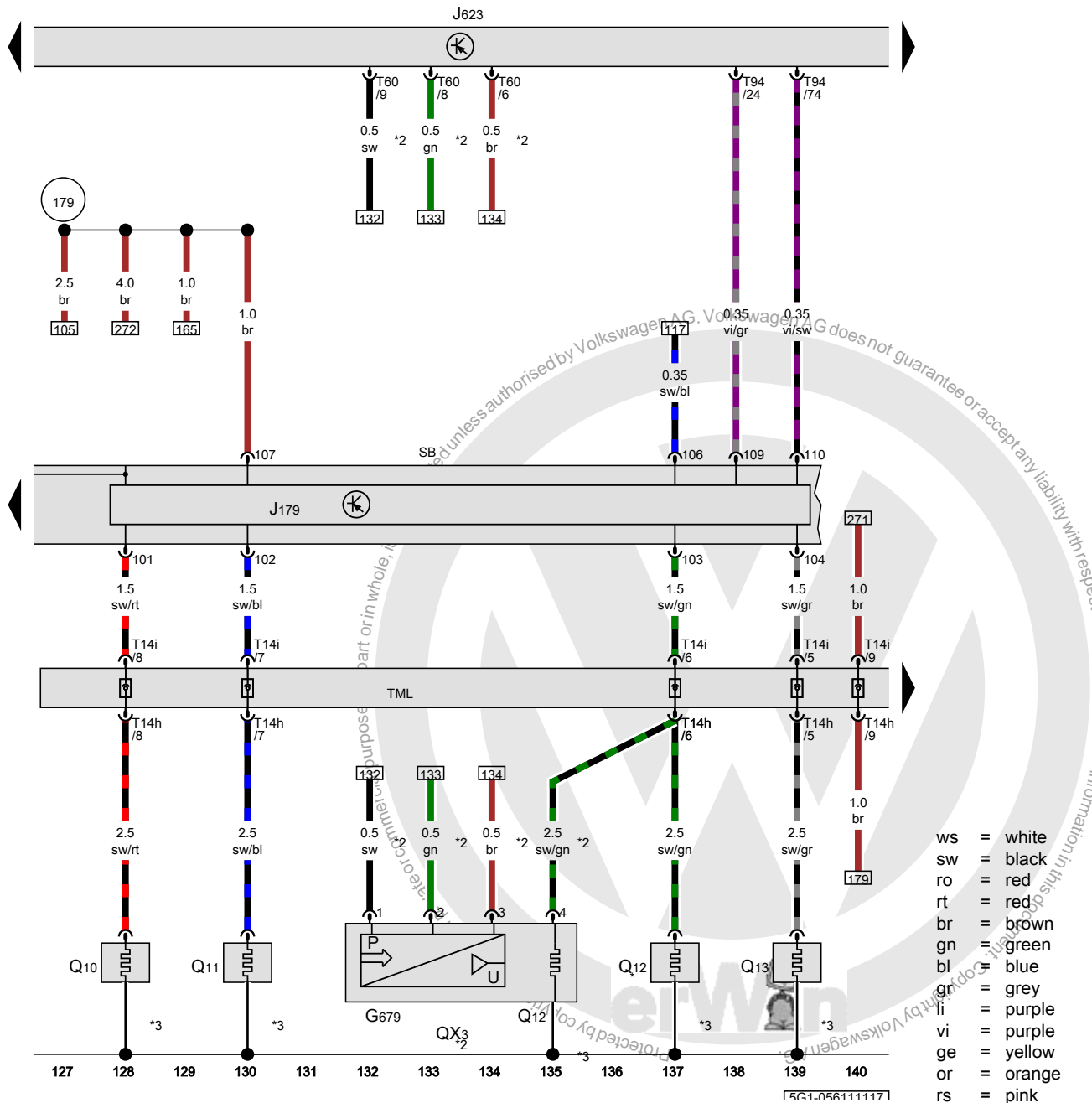
E78 Connection 2 (87a) in engine wiring harness

* For left-hand drive models

*2 For right-hand drive models

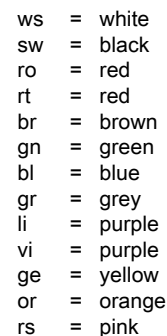
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Automatic glow period control unit, Engine/motor control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4



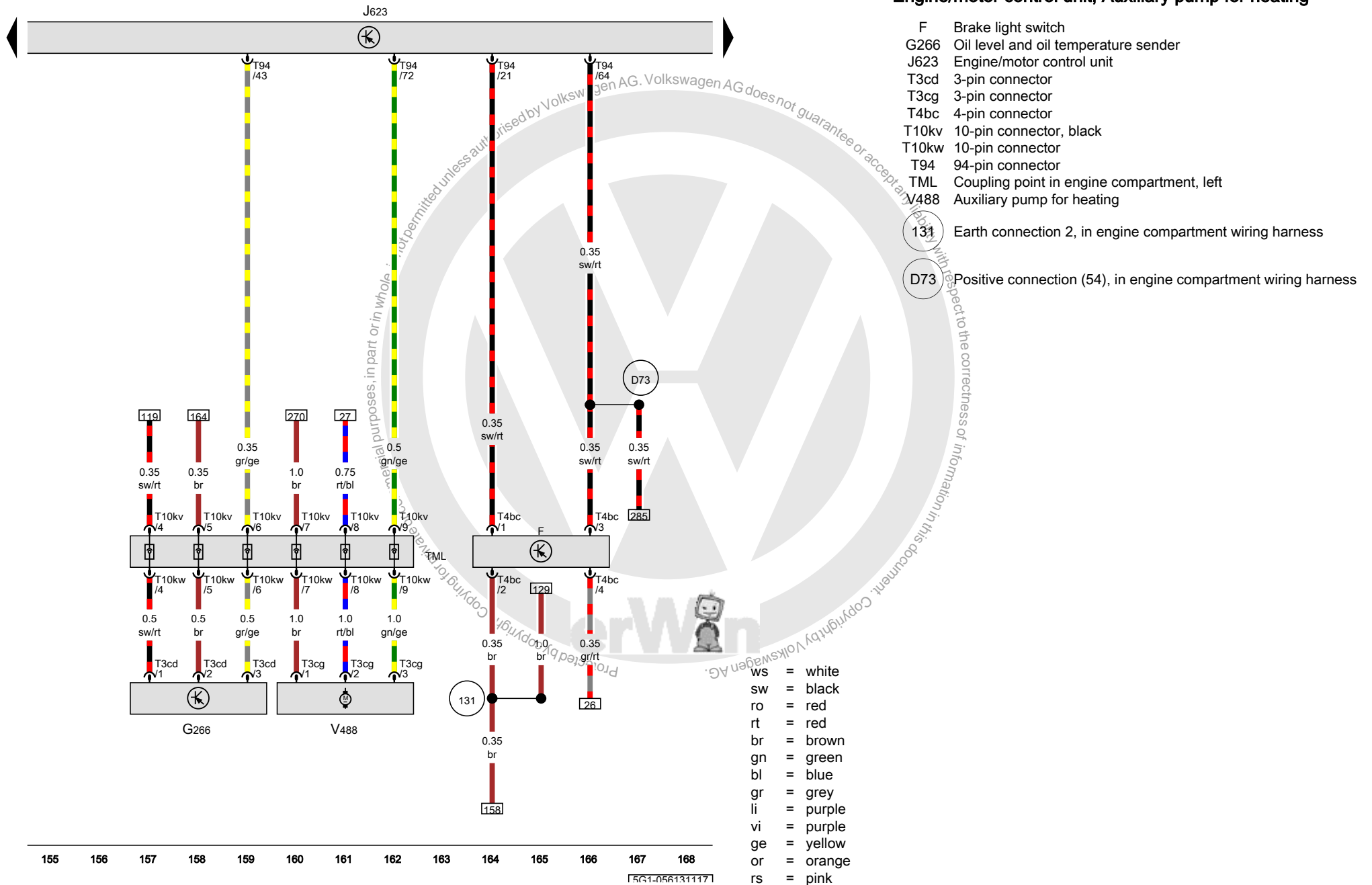
- G679 Cylinder 3 combustion chamber pressure sender
- J179 Automatic glow period control unit
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B, in E-box
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

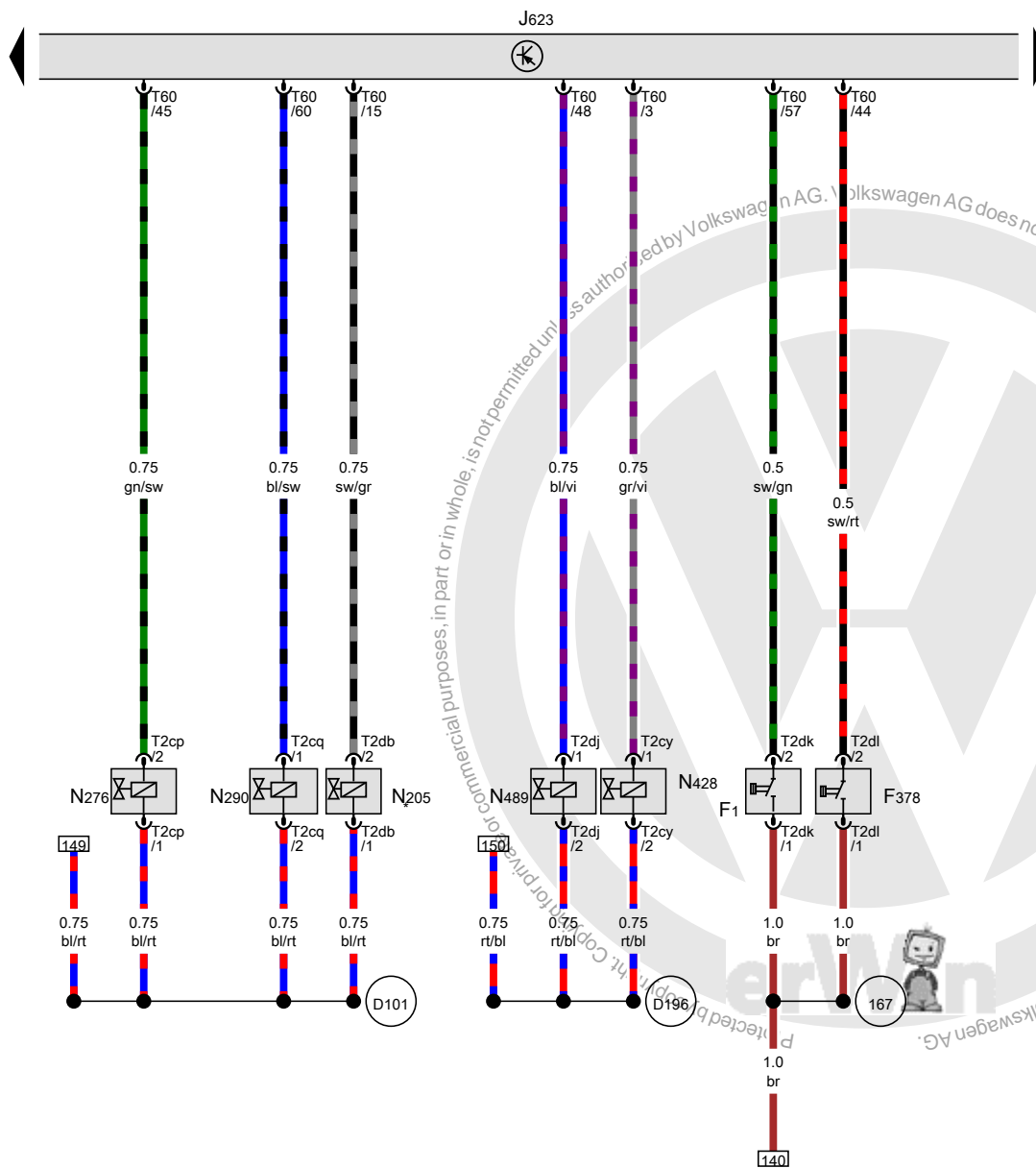
- 179 Earth connection, in left headlight wiring harness
- * Not for models with Euro 6 plus emission standard
- *2 For models with Euro 6 plus emission standard
- *3 Earth supply via housing



G811	Charge air temperature sender after charge air cooler
J623	Engine/motor control unit
N75	Charge pressure control solenoid valve
N345	Exhaust gas recirculation cooler changeover valve
T2dg	2-pin connector
T2dh	2-pin connector
T2di	2-pin connector
T14h	14-pin connector, grey
T14i	14-pin connector, grey
T60	60-pin connector
T94	94-pin connector
TML	Coupling point in engine compartment, left
*	For models with Euro 4 emission standard
*2	For models with manual gearbox

Brake light switch, Oil level and oil temperature sender, Engine/motor control unit, Auxiliary pump for heating





Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T60 60-pin connector

167 Earth connection 4, in engine compartment wiring harness

D101 Connection 1 in engine compartment wiring harness

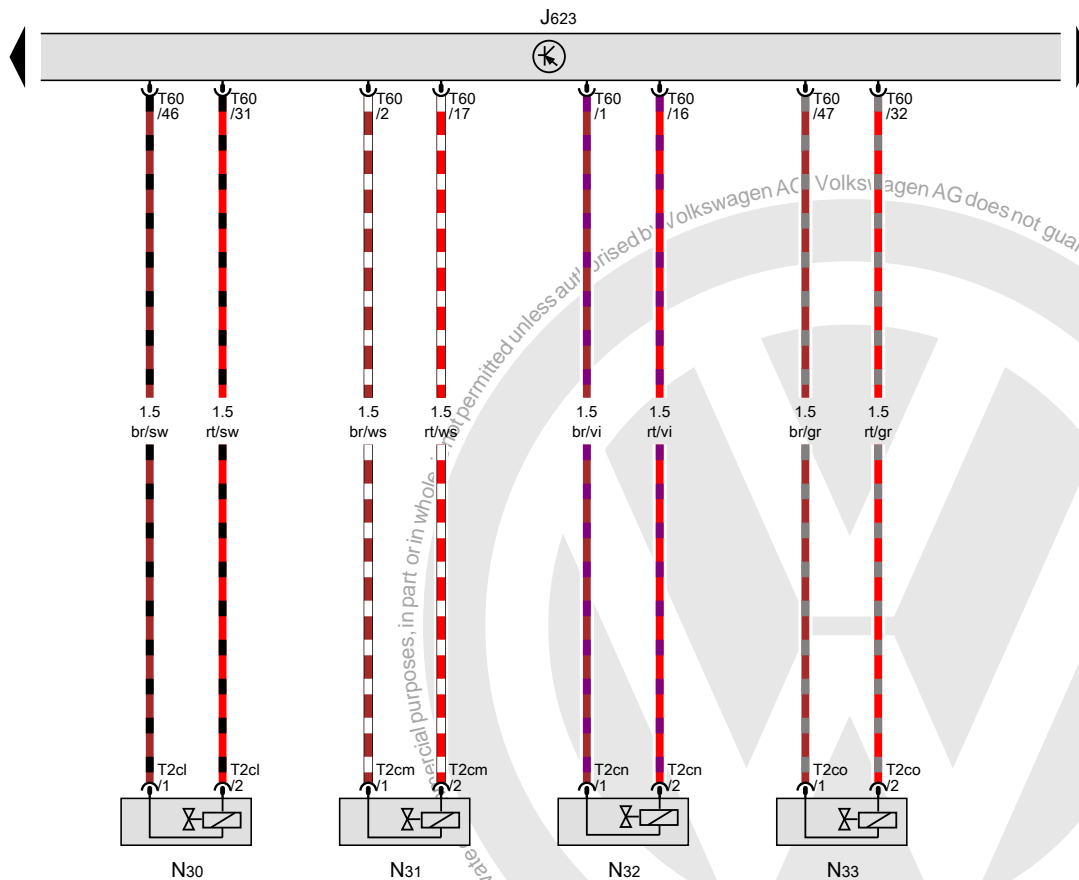
D196 Connection 2 (87a) in engine prewiring harness

* For models with Euro 6 plus emission standard

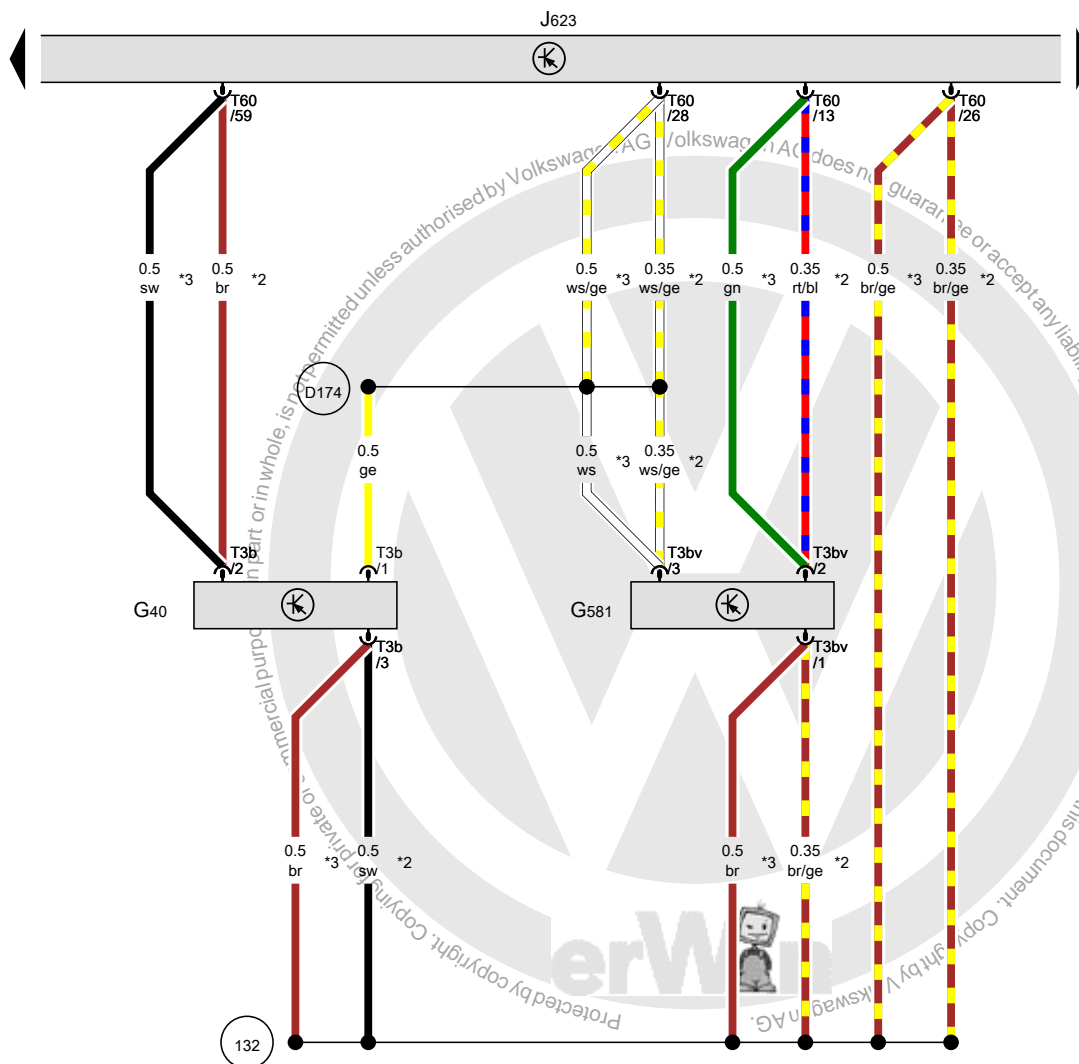
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Hall sender, Position sender for charge pressure positioner, Engine/motor control unit

- G40 Hall sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3b 3-pin connector
- T3bv 3-pin connector
- T60 60-pin connector

132 Earth connection 3, in engine compartment wiring harness

D174 Connection 2 (5V) in engine prewiring harness

- * According to equipment
- *2 Up to May 2014
- *3 From May 2014

Throttle valve module, Engine speed sender, Fuel pressure sender, Engine/motor control unit

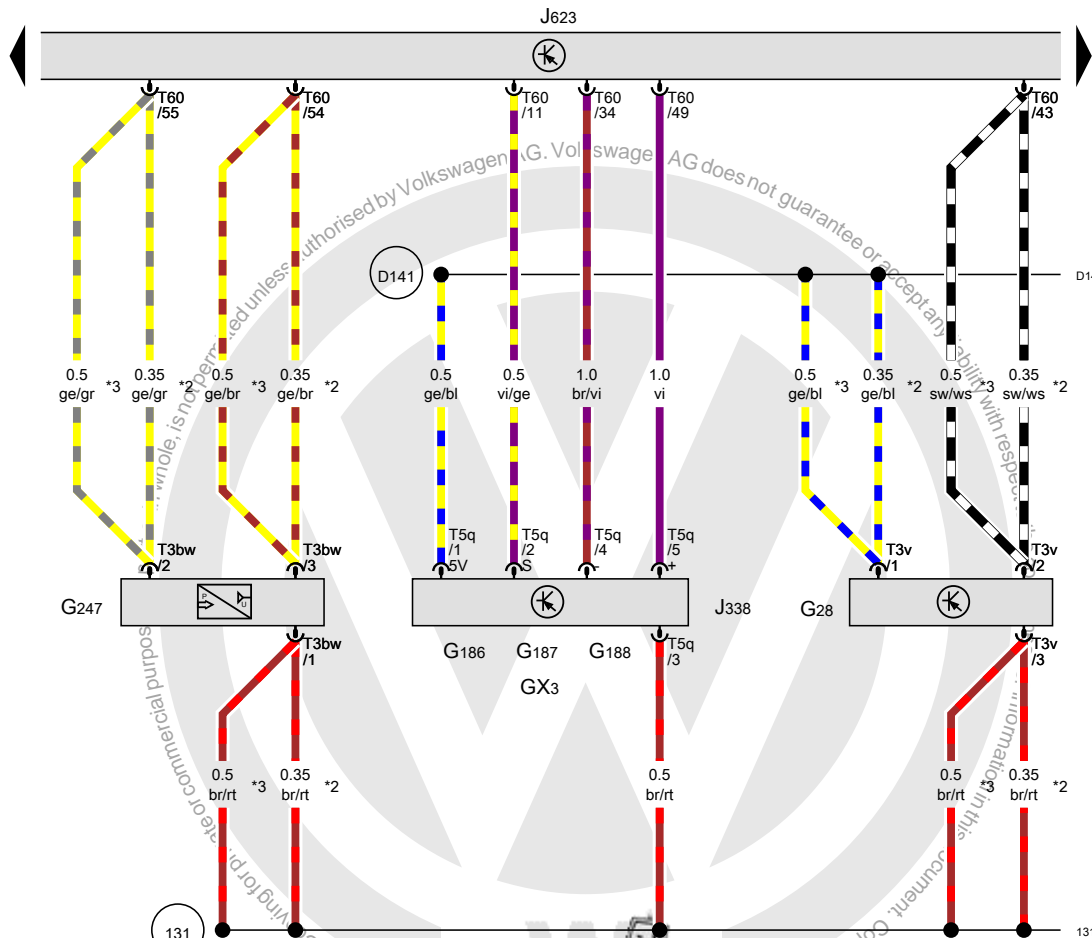
- GX3 Throttle valve module
- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3bw 3-pin connector
- T3v 3-pin connector
- T5q 5-pin connector
- T60 60-pin connector

131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

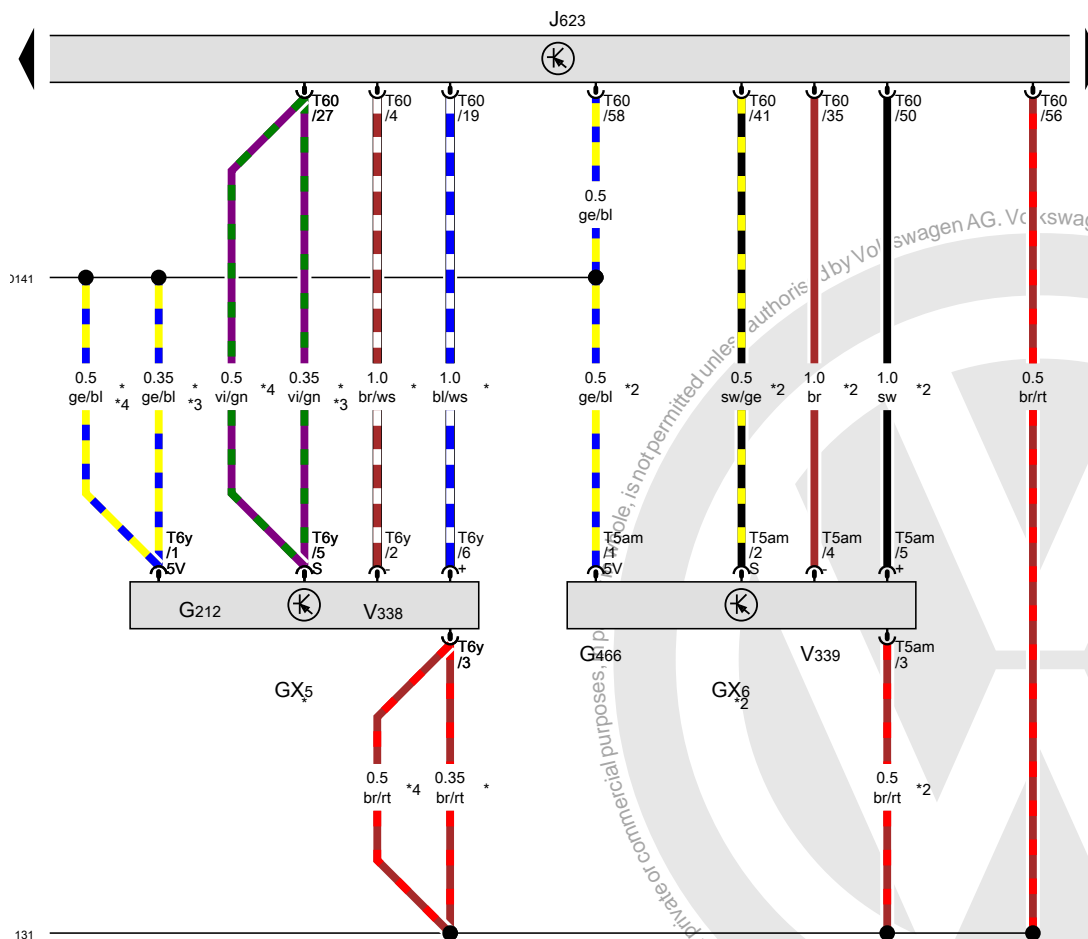
- * Cross section depends on equipment
- *2 Up to May 2014
- *3 From May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



211 212 213 214 215 216 217 218 219 220 221 222 223 224

[5G1-05R171117]



Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

131 Earth connection 2, in engine compartment wiring harness

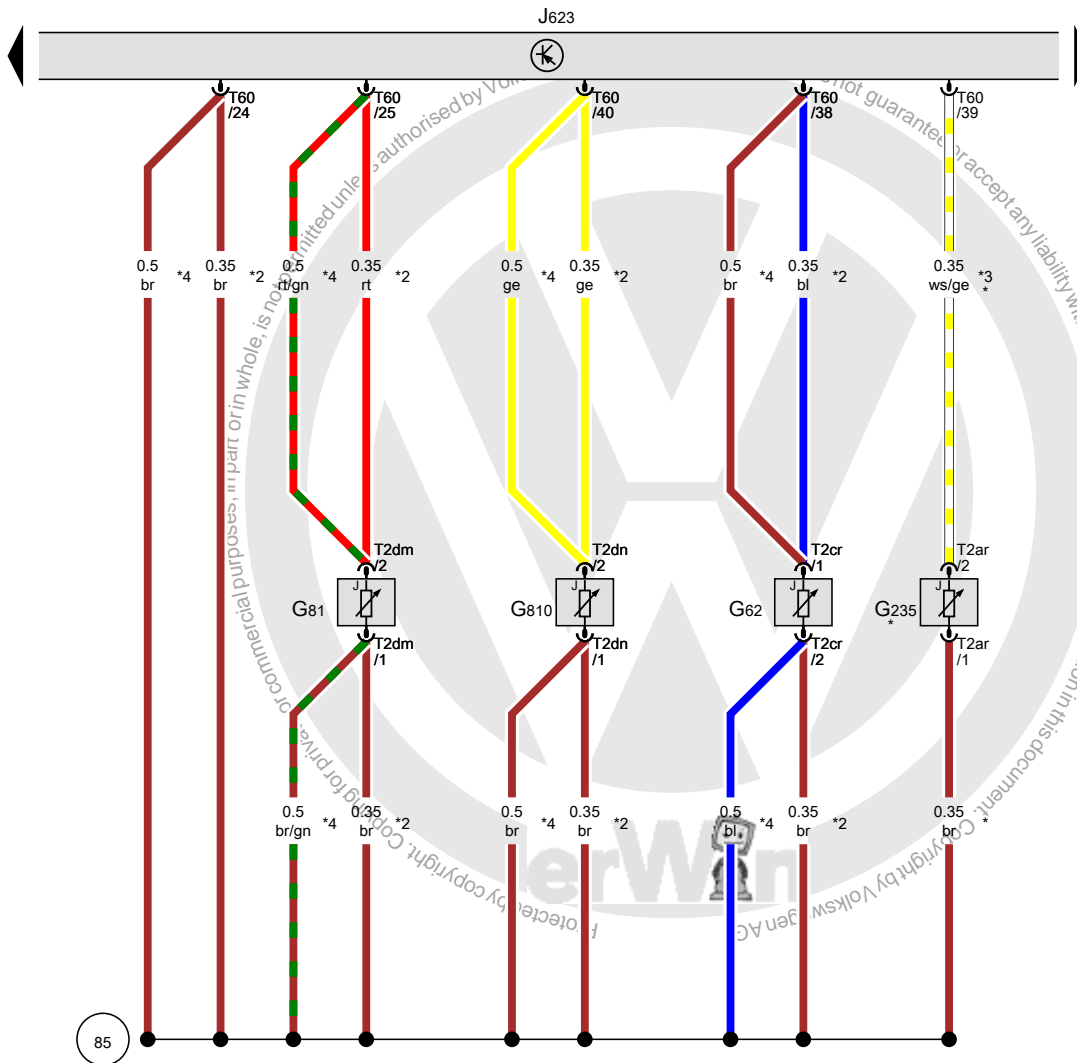
D141 Connection (5V) in engine prewiring harness

- * Not for models with Euro 5 plus emission standard
- *2 Not for models with Euro 4 emission standard
- *3 Up to May 2014
- *4 From May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

225 226 227 228 229 230 231 232 233 234 235 236 237 238

[5G1-05R181117]



Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine/motor control unit

- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine/motor control unit
- T2ar 2-pin connector
- T2cr 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector

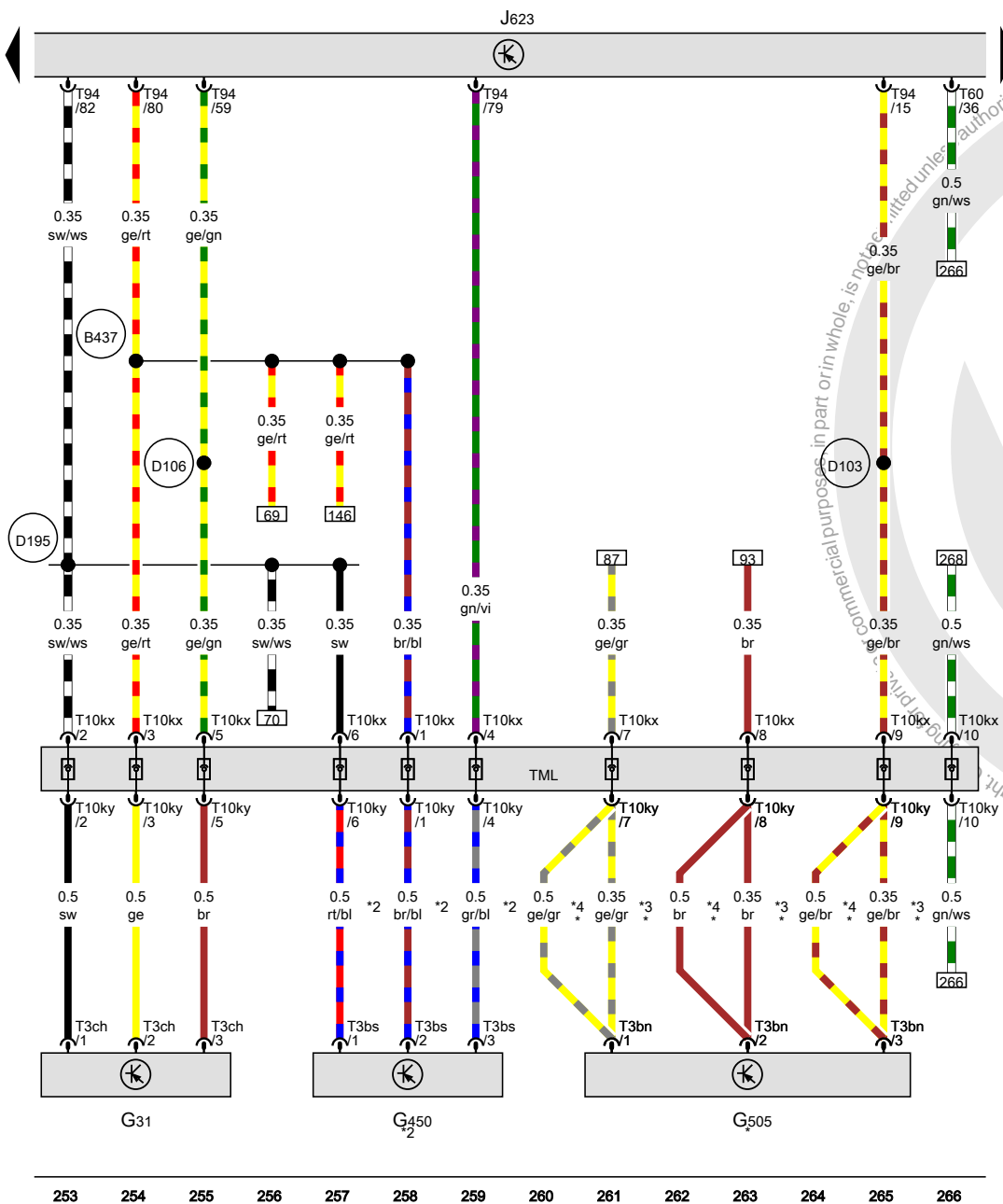
85 Earth connection 1, in engine compartment wiring harness

- * According to equipment
- *2 Up to May 2014
- *3 Different wire colour possible
- *4 From May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

239 240 241 242 243 244 245 246 247 248 249 250 251 252

[5G1-05R191117]

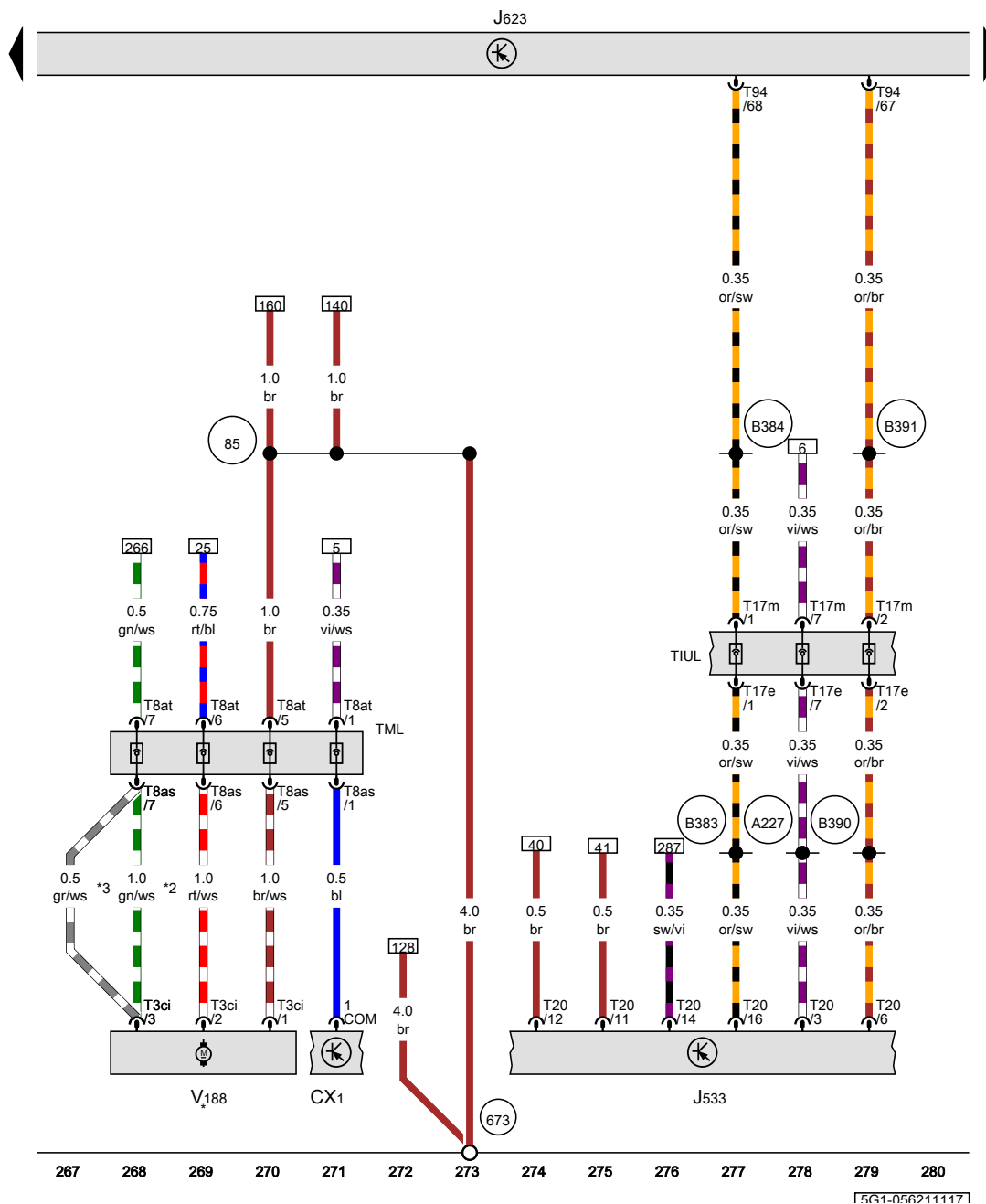


Charge pressure sender, Exhaust gas pressure sensor 1,
Pressure differential sender, Engine/motor control unit

- G31 Charge pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine/motor control unit
- T3bn 3-pin connector
- T3bs 3-pin connector
- T3ch 3-pin connector
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Not for models with Euro 4 emission standard
- *2 Not for models with Euro 6 plus emission standard
- *3 Up to May 2014
- *4 From May 2014

ws = white
sw = black
ro = red
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br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

[5G1-056201117]



Alternator with voltage regulator, Data bus diagnostic interface, Engine/motor control unit, Charge air cooling pump

CX1 Alternator with voltage regulator

J533 Data bus diagnostic interface

J623 Engine/motor control unit

T3ci 3-pin connector

T8as 8-pin connector, black

T8at 8-pin connector, black

T17e 17-pin connector, brown

T17m 17-pin connector, black

T20 20-pin connector

T94 94-pin connector

TIUL Coupling point in interior, below left

TML Coupling point in engine compartment, left

V188 Charge air cooling pump

85 Earth connection 1, in engine compartment wiring harness

673 Earth point 3, on front of left longitudinal member

A227 Connection 2 (LIN bus) in dash panel wiring harness

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B384 Connection 2 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

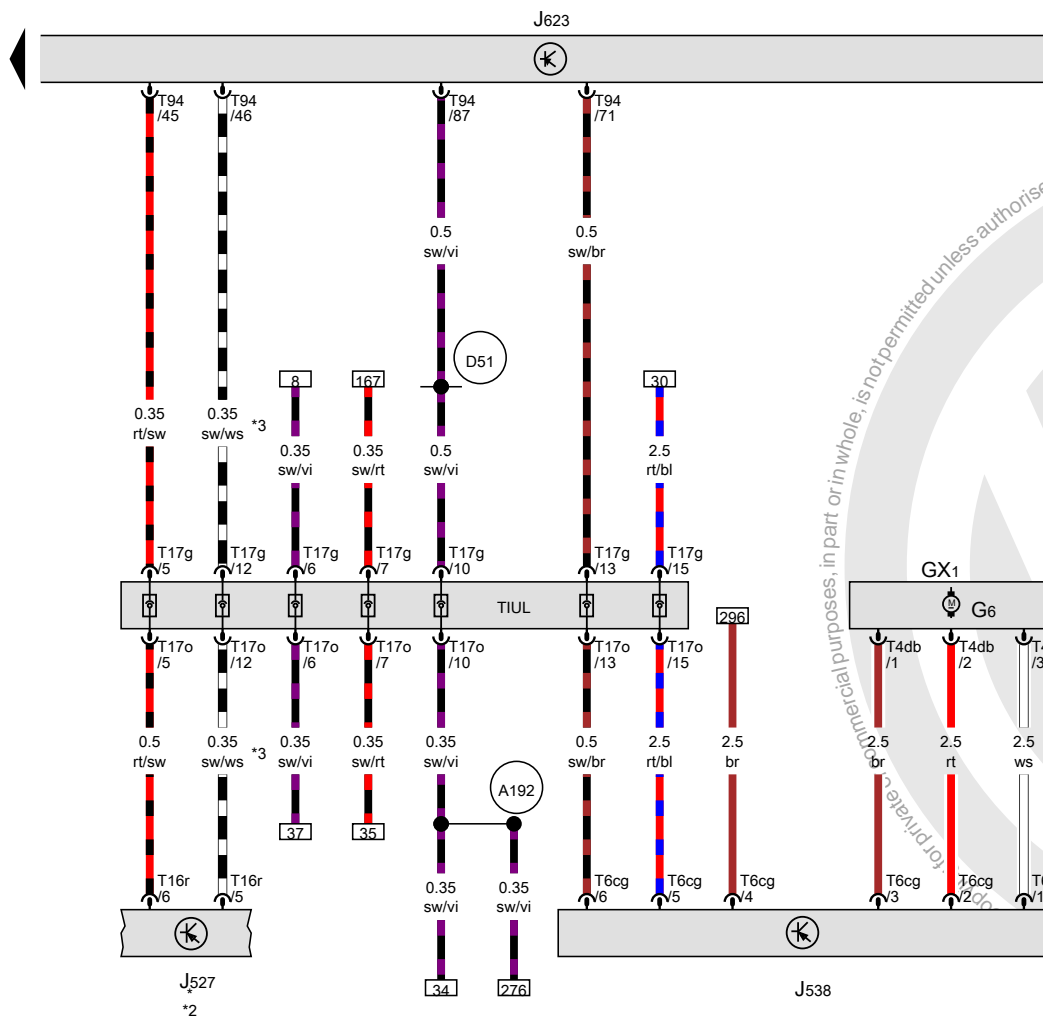
* According to equipment

*2 Up to May 2014

*3 From May 2014

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Fuel delivery unit, Steering column electronics control unit,
Fuel pump control unit, Engine/motor control unit



- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J527 Steering column electronics control unit
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- T4db 4-pin connector
- T6cg 6-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 For models with cruise control system (CCS)

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

281 282 283 284 285 286 287 288 289 290 291 292 293 294

[5G1-056221117]

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T18 18-pin connector

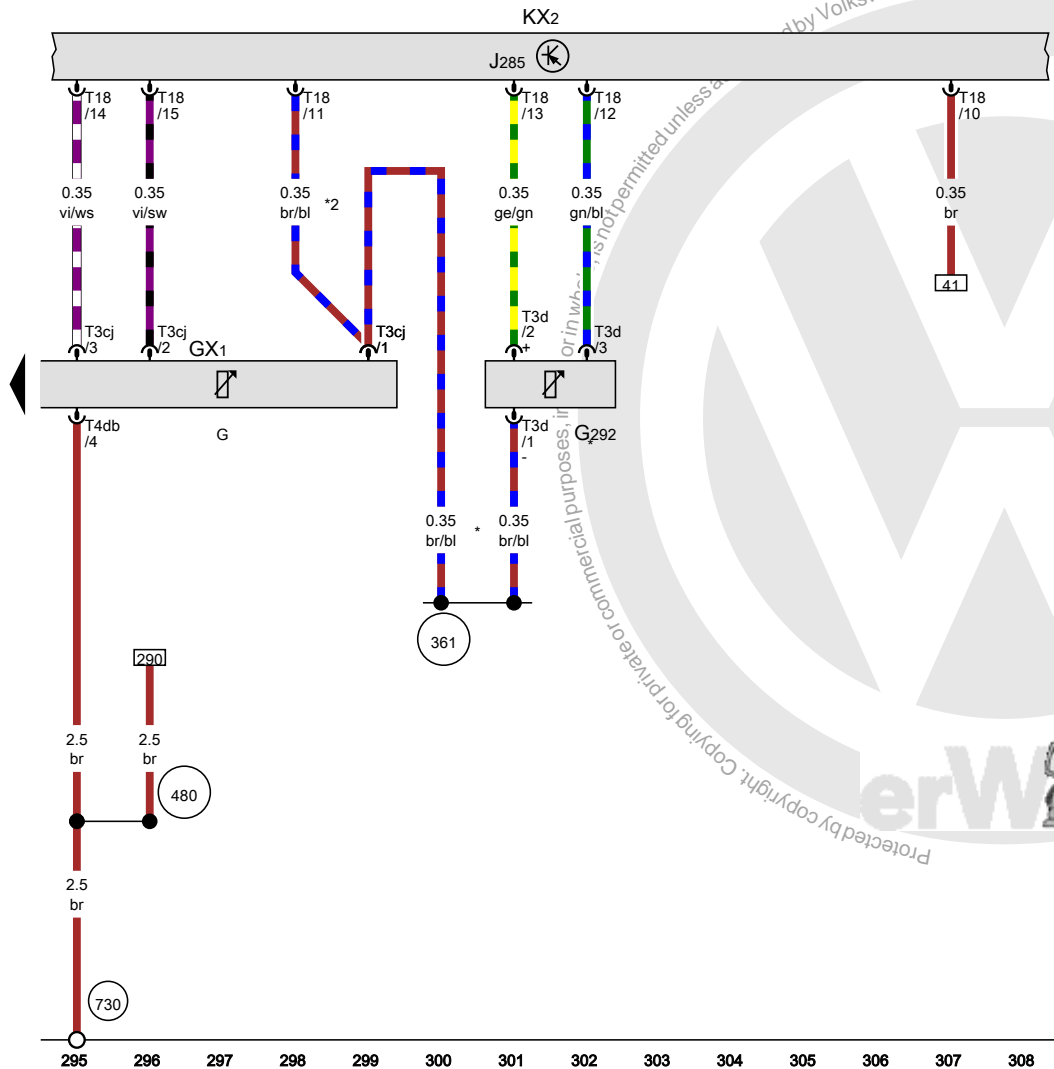
361 Earth connection (fuel gauge sender), in main wiring harness

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

* For models with all-wheel drive

*2 For models with no all-wheel drive



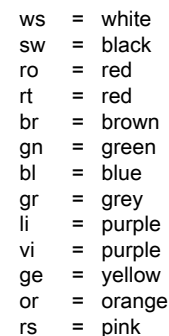
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[5G1-056231117]

Driving aids for disabled persons with special vehicle control unit , (F6M)

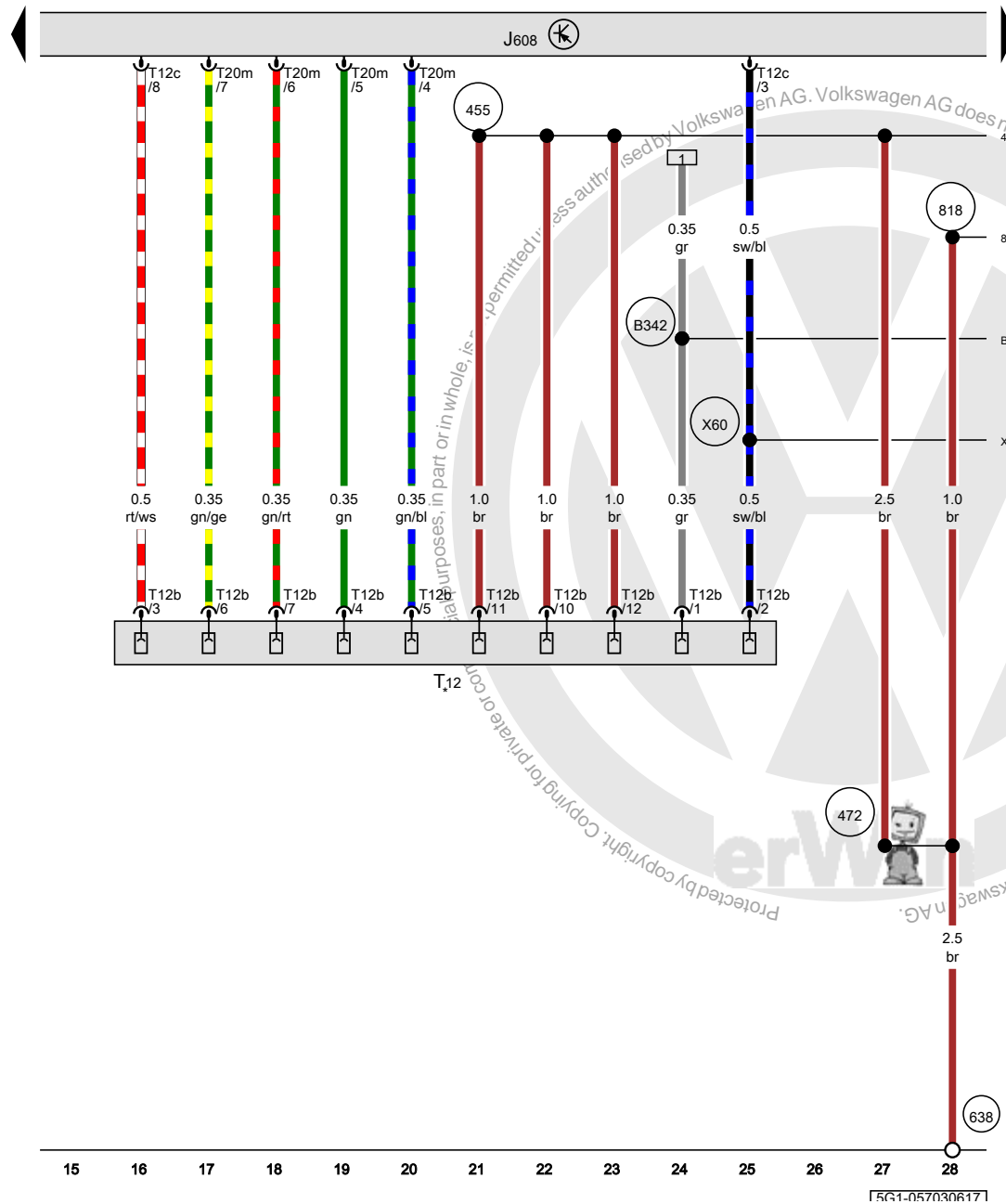
From June 2013





EX1	Rotary light switch
J329	Terminal 15 voltage supply relay
J608	Special vehicle control unit
SA1	Fuse 1 on fuse holder A
SC3	Fuse 3 on fuse holder C
SA4	Fuse 4 on fuse holder A
SC	Fuse holder C
SC29	Fuse 29 on fuse holder C
S294	Special vehicle fuse 4
T3	3-pin connector
T3by	3-pin connector, black
T6au	6-pin connector, black
T6av	6-pin connector, black
T10h	10-pin connector
T12c	12-pin connector, black
T16e	16-pin connector, black
TIUL	Coupling point in interior, below left

- | | |
|------|--|
| 43 | Earth point, lower part of right A-pillar |
| 454 | Earth connection 4, in optional equipment wiring harness |
| A19 | Connection (58d), in dash panel wiring harness |
| A116 | Connection 2 (58d), in dash panel wiring harness |
| X61 | Positive connection (30), in optional equipment wiring harness |
| * | Connection for wheelchair lift |



Special vehicle control unit

- J608 Special vehicle control unit
- T12 12-pin connector
- T12b 12-pin connector
- T12c 12-pin connector, black
- T20m 20-pin connector, red
- 455 Earth connection 5, in optional equipment wiring harness
- 472 Earth connection 6, in optional equipment wiring harness
- 638 Earth point, on right A-pillar
- 818 Earth connection 8, in optional equipment wiring harness
- B342 Connection 3 (58d), in main wiring harness
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- * Connection for rotary light switch and window regulator

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



- | | |
|------|---|
| J533 | Data bus diagnostic interface |
| J608 | Special vehicle control unit |
| T18 | 18-pin connector |
| T2ia | 2-pin connector, black |
| T2ib | 2-pin connector, black |
| T16b | 16-pin connector, brown |
| T20m | 20-pin connector, red |
| T6 | 6-pin connector |
| T6aw | 6-pin connector, black |
| T12c | 12-pin connector, black |
| T16e | 16-pin connector, black |
| T18a | 18-pin connector, black |
| T20 | 20-pin connector |
| TIUM | Coupling point in interior, below centre, near centre console |

- | | |
|------|--|
| 455 | Earth connection 5, in optional equipment wiring harness |
| 818 | Earth connection 8, in optional equipment wiring harness |
| B342 | Connection 3 (58d), in main wiring harness |
| B398 | Connection 2 (convenience CAN bus, high), in main wiring harness |
| B407 | Connection 2 (convenience CAN bus, low), in main wiring harness |
| B506 | Connection (convenience CAN bus, high), in interior wiring harness |
| B507 | Connection (convenience CAN bus, low), in interior wiring harness |
| X60 | Positive connection 2 (15a), in optional equipment wiring harness |
| * | Connection for operating unit with buttons for special functions |
| *2 | Connection for operating unit for disabled persons driving aids |

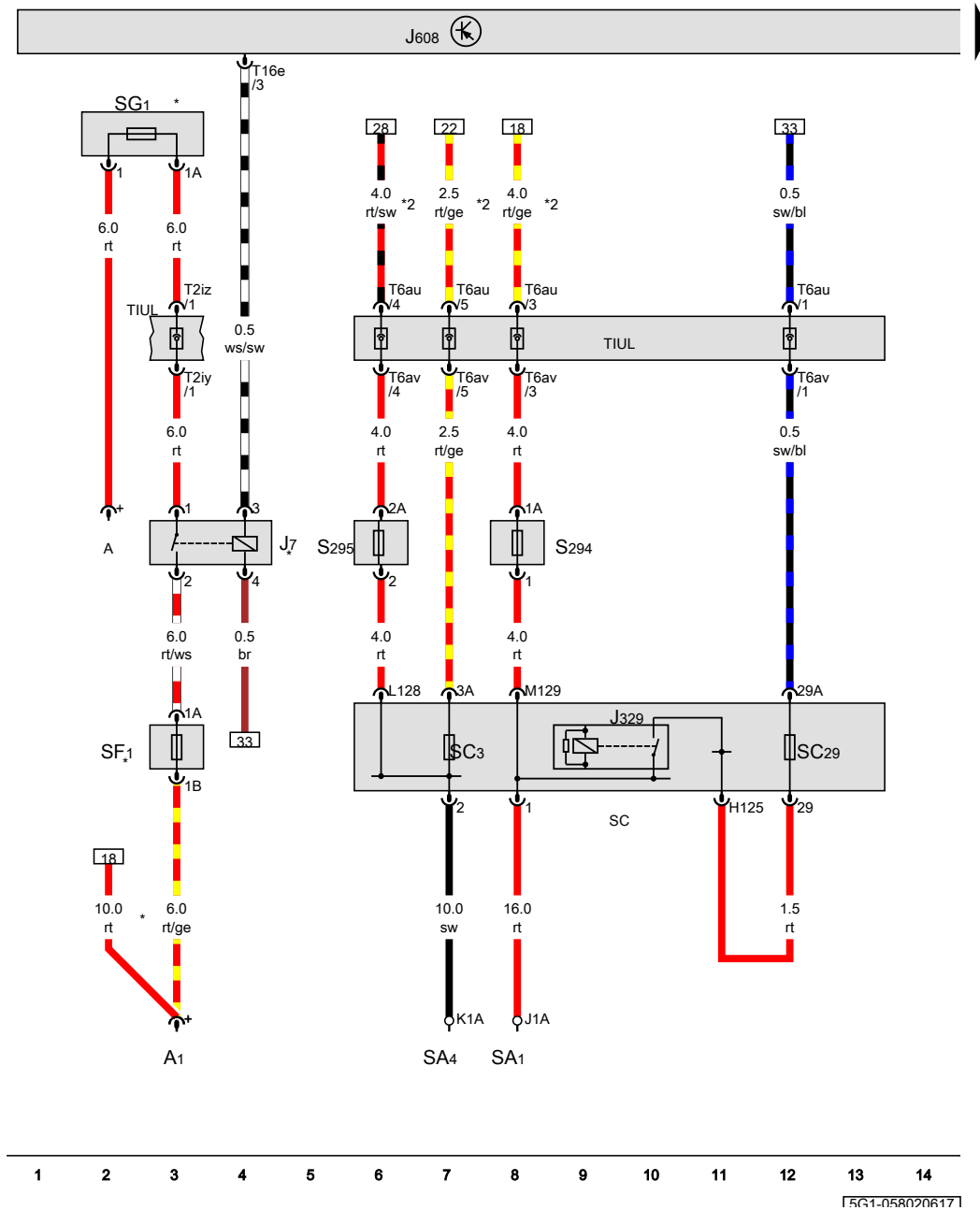
ws = white
sw = black
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gn = green
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vi = purple
ge = yellow
or = orange
rs = pink

Special vehicle , (F6T),(F6E),(F6K),(F5T)

From June 2013

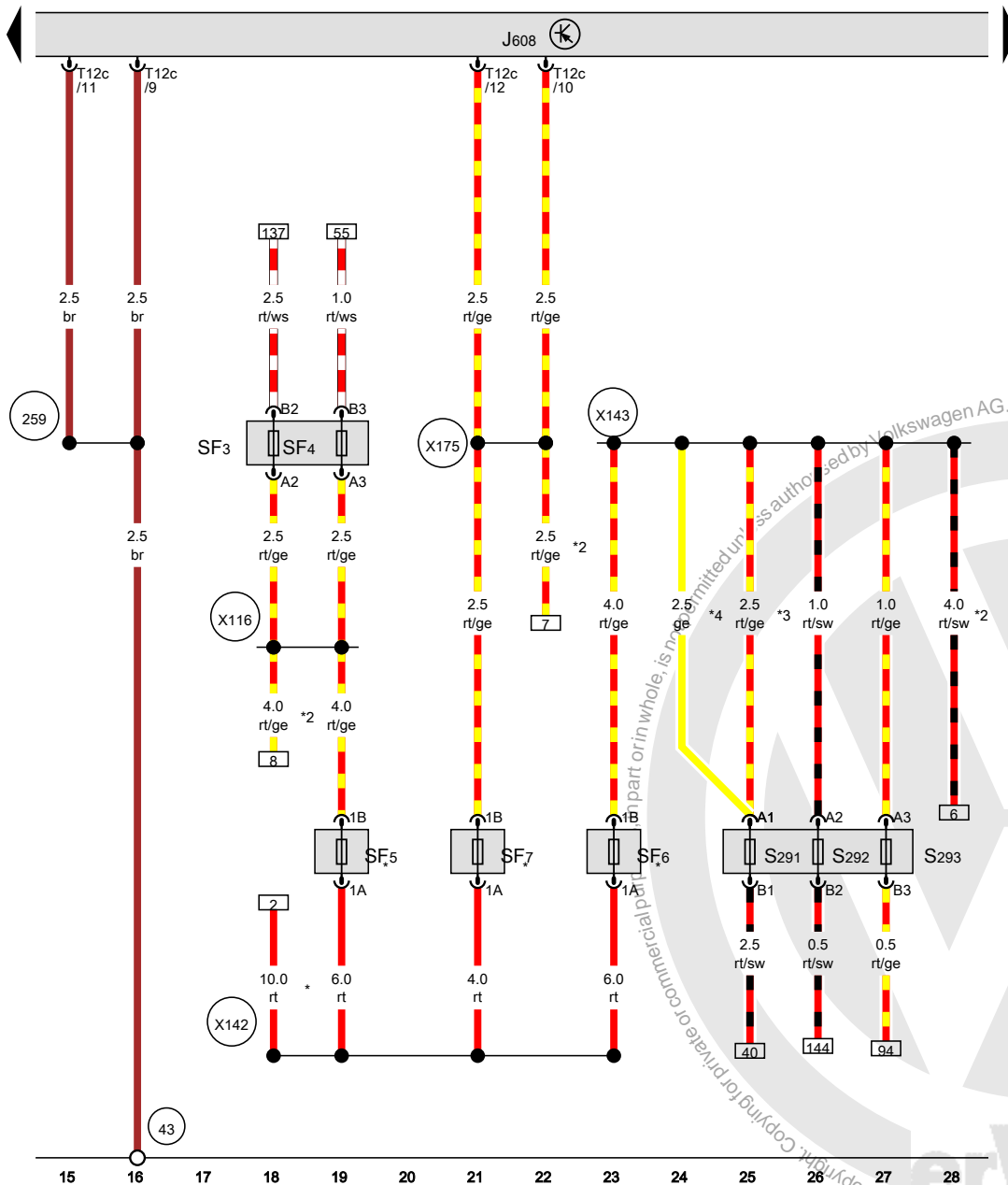


Battery, Second battery, Battery isolation relay, Special vehicle control unit, Fuse 1 on fuse holder G



ws = white
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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

- A Battery
- A1 Second battery
- J7 Battery isolation relay
- J329 Terminal 15 voltage supply relay
- J608 Special vehicle control unit
- SG1 Fuse 1 on fuse holder G
- SA1 Fuse 1 on fuse holder A
- SF1 Fuse 1 in fuse holder F
- SC3 Fuse 3 on fuse holder C
- SA4 Fuse 4 on fuse holder A
- SC29 Fuse 29 on fuse holder C
- S294 Special vehicle fuse 4
- S295 Special vehicle fuse 5
- SC Fuse holder C
- T2iy 2-pin connector
- T2iz 2-pin connector
- T6au 6-pin connector, black
- T6av 6-pin connector, black
- T16e 16-pin connector, black
- TIUL Coupling point in interior, below left
- * For models with second battery
- *2 For models with no second battery



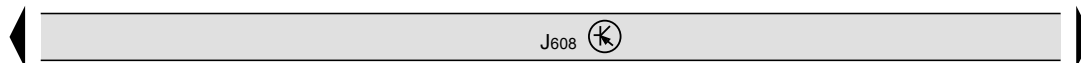
Special vehicle control unit

- J608 Special vehicle control unit
- SF3 Fuse 3 in fuse holder F
- SF4 Fuse 4 in fuse holder F
- SF5 Fuse 5 in fuse holder F
- SF6 Fuse 6 in fuse holder F
- SF7 Fuse 7 in fuse holder F
- S291 Special vehicle fuse 1
- S292 Special vehicle fuse 2
- S293 Special vehicle fuse 3
- T12c 12-pin connector, black

- 43 Earth point, lower part of right A-pillar
- 259 Earth connection 2, in optional equipment wiring harness
- X116 Positive connection 2 (30), in optional equipment wiring harness
- X142 Positive connection 3 (30), in optional equipment wiring harness
- X143 Positive connection 4 (30), in optional equipment wiring harness
- X175 Positive connection (30a), in optional equipment wiring harness

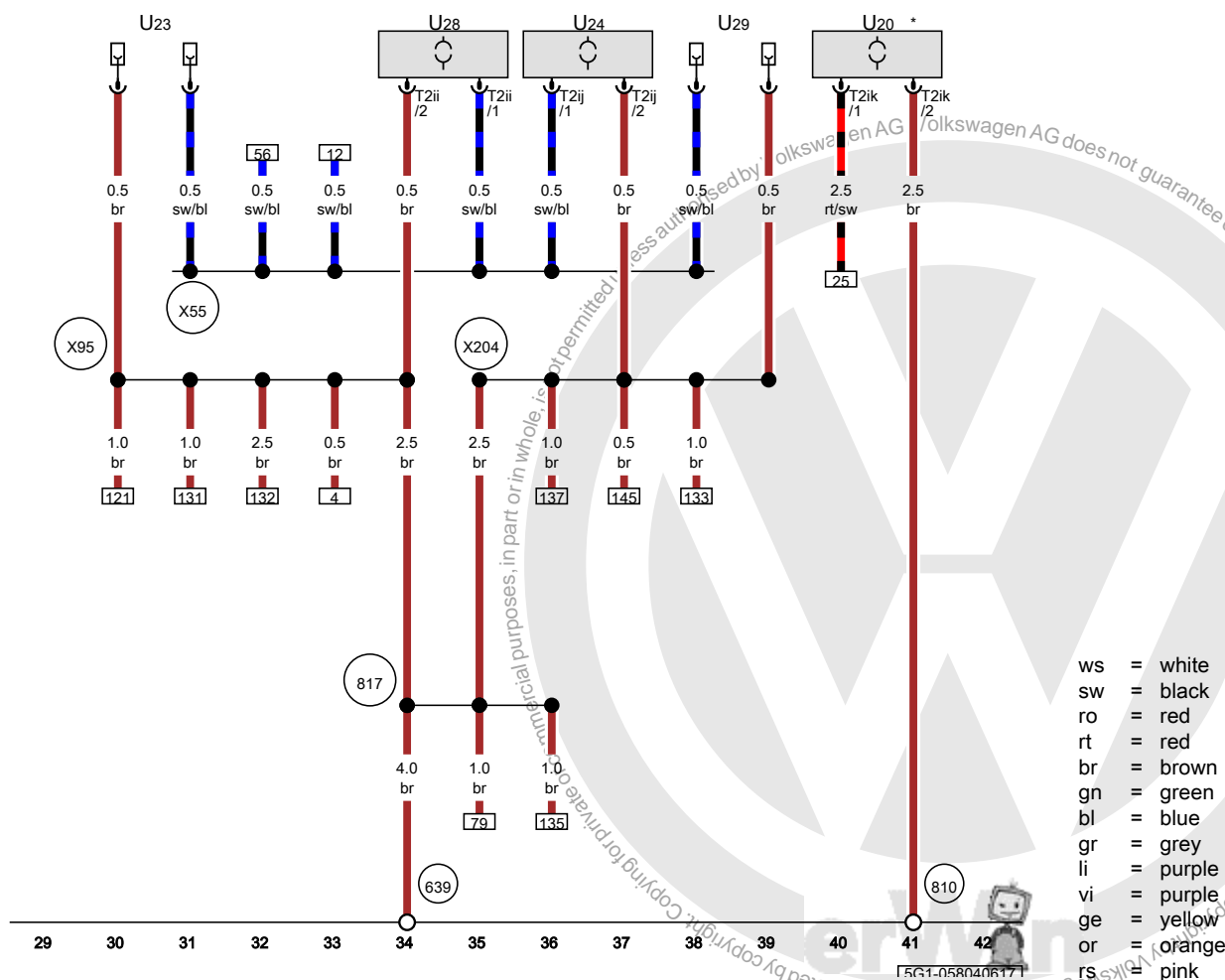
- * For models with second battery
- *2 For models with no second battery
- *3 Up to May 2016
- *4 From May 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Special vehicle control unit, 12 V socket 4, Charging station for torch, Charging station for hand-held 2-way radio, Charging station 2 for hand-held 2-way radio, Charging station 2 for torch

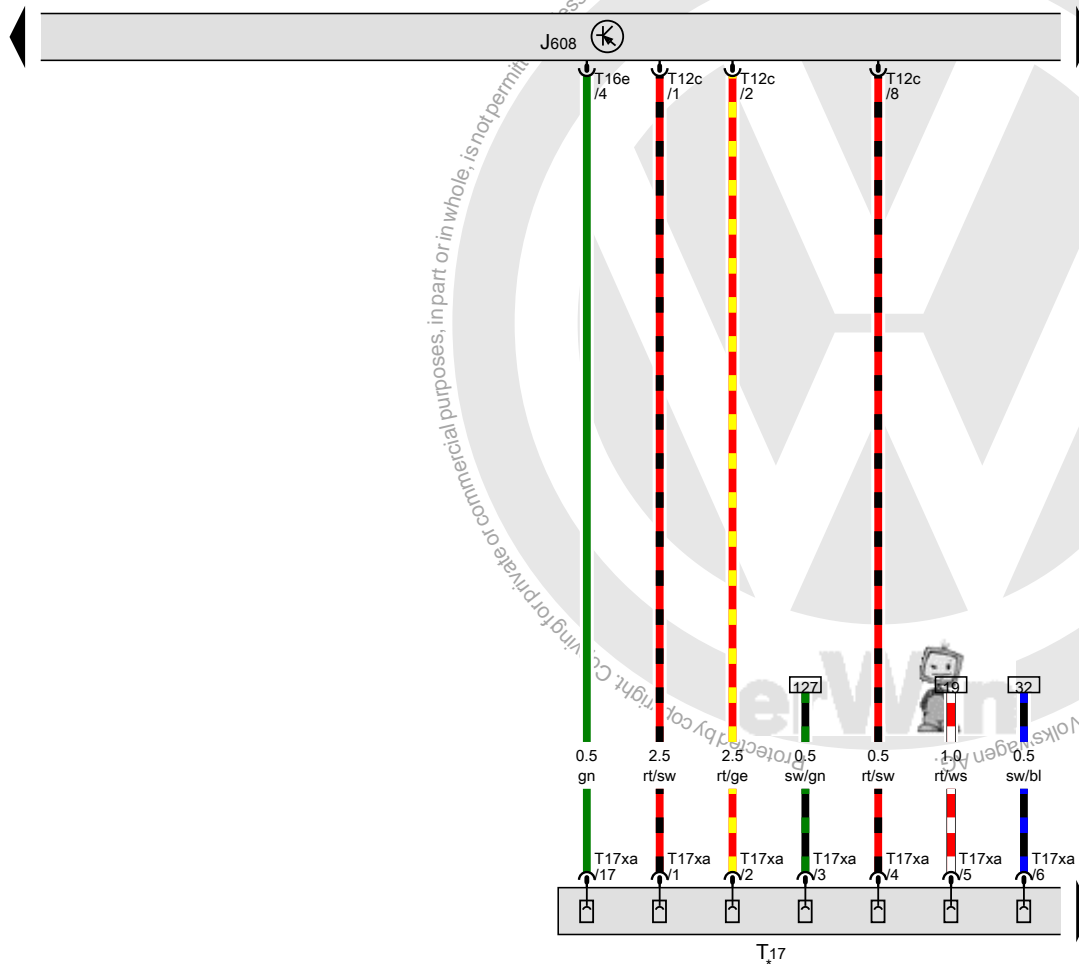
- J608 Special vehicle control unit
- T2ii 2-pin connector
- T2ij 2-pin connector
- T2ik 2-pin connector
- U20 12 V socket 4
- U23 Charging station for torch, in driver door
- U24 Charging station for hand-held 2-way radio, in glove compartment
- U28 Charging station 2 for hand-held 2-way radio, in luggage compartment
- U29 Charging station 2 for torch, in front passenger door
- 639 Earth point, left A-pillar
- 810 Earth point on central tube for dash panel, centre left
- 817 Earth connection 7, in optional equipment wiring harness
- X55 Positive connection (15), in optional equipment wiring harness
- X95 Connection 1 (siren), in optional equipment wiring harness
- X204 Connection 11, in optional equipment wiring harness
- * Only applicable to special vehicles



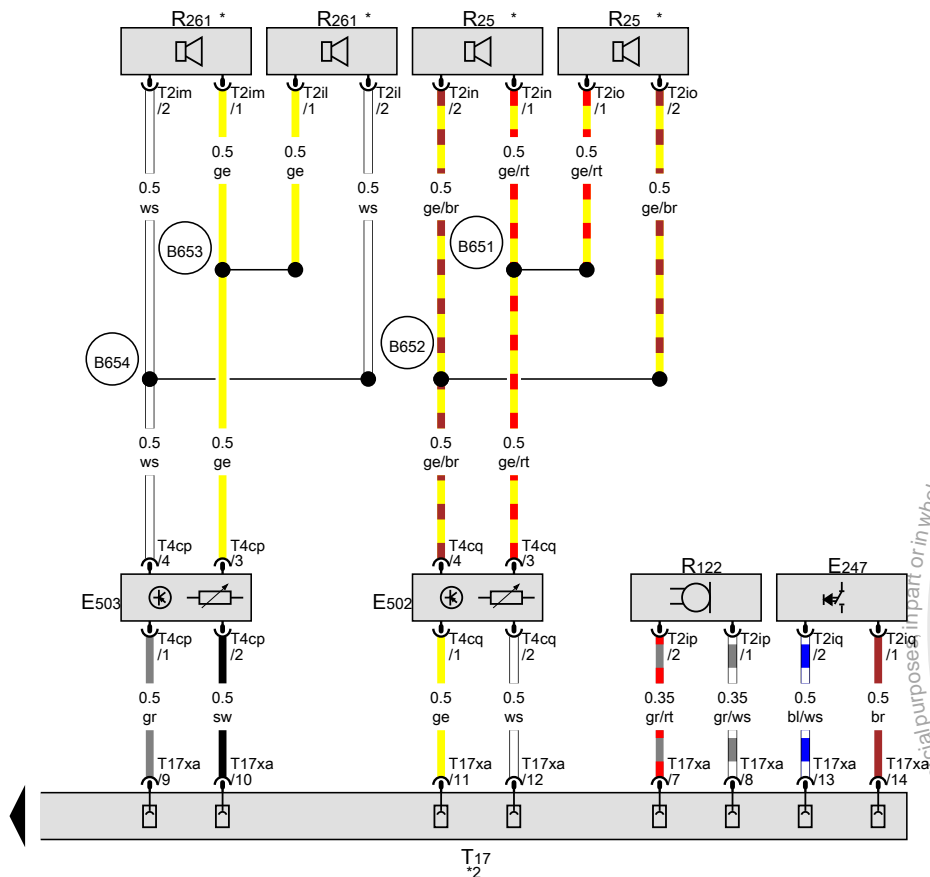
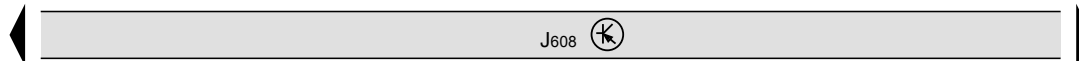
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Special vehicle control unit

- J608 Special vehicle control unit
- T12c 12-pin connector, black
- T16e 16-pin connector, black
- T17 17-pin connector
- T17xa 17-pin connector, black
- * Connection for 2-way radio



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch to trip alarm, 2-way radio loudspeaker volume control 1, 2-way radio loudspeaker volume control 2, Special vehicle control unit, Two-way radio loudspeaker, 2-way radio unit microphone, Two-way radio loudspeaker 2

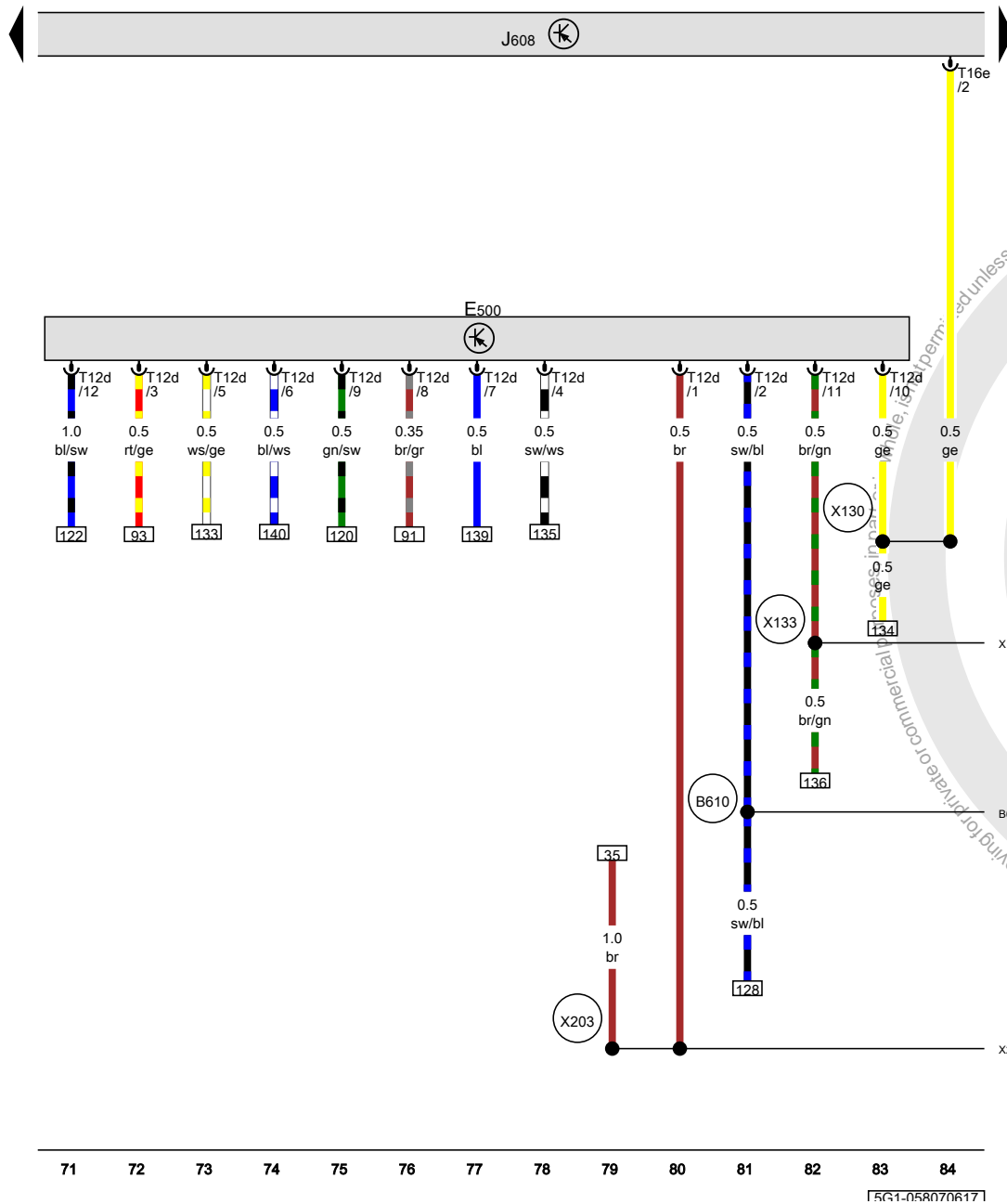
- E247 Switch to trip alarm
- E502 2-way radio loudspeaker volume control 1
- E503 2-way radio loudspeaker volume control 2
- J608 Special vehicle control unit
- R25 Two-way radio loudspeaker
- R122 2-way radio unit microphone
- R261 Two-way radio loudspeaker 2
- T17 17-pin connector
- T2il 2-pin connector, near centre console
- T2im 2-pin connector, near interior light
- T2in 2-pin connector, near interior light
- T2io 2-pin connector, near centre console
- T2ip 2-pin connector
- T2iq 2-pin connector
- T4cp 4-pin connector
- T4cq 4-pin connector
- T17xa 17-pin connector, black
- B651 Connection 1 (loudspeaker), in main wiring harness
- B652 Connection 2 (loudspeaker), in main wiring harness
- B653 Connection 3 (loudspeaker), in main wiring harness
- B654 Connection 4 (loudspeaker), in main wiring harness
- * According to equipment
- *2 Connection for 2-way radio

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

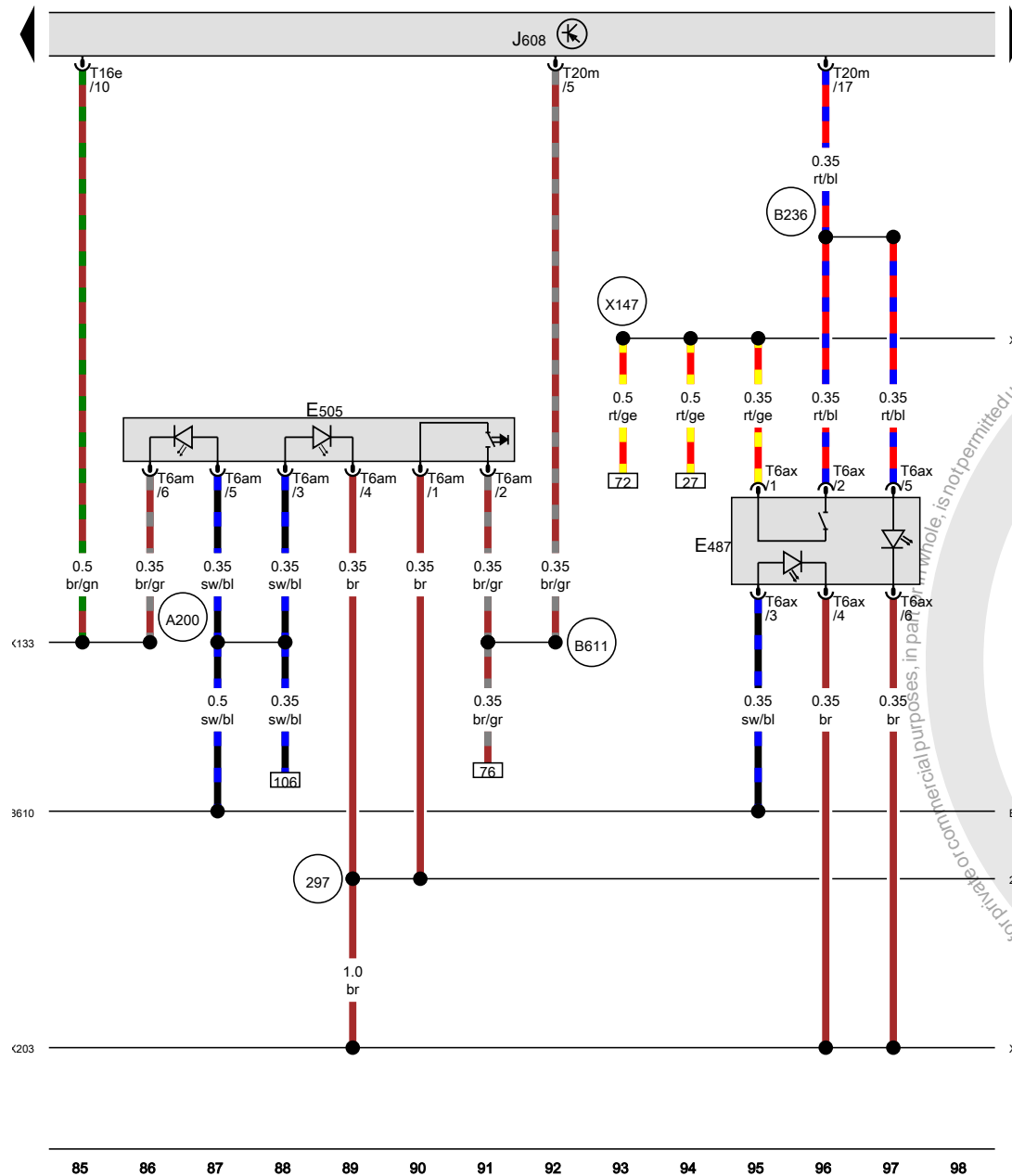
Alarm rotary and pull switch, Special vehicle control unit

- E500 Alarm rotary and pull switch
- J608 Special vehicle control unit
- T12d 12-pin connector
- T16e 16-pin connector, black

- B610 Connection 6, in interior wiring harness
- X130 Connection 3, in optional equipment wiring harness
- X133 Connection 6, in optional equipment wiring harness
- X203 Connection 10, in optional equipment wiring harness



15G1-058070617

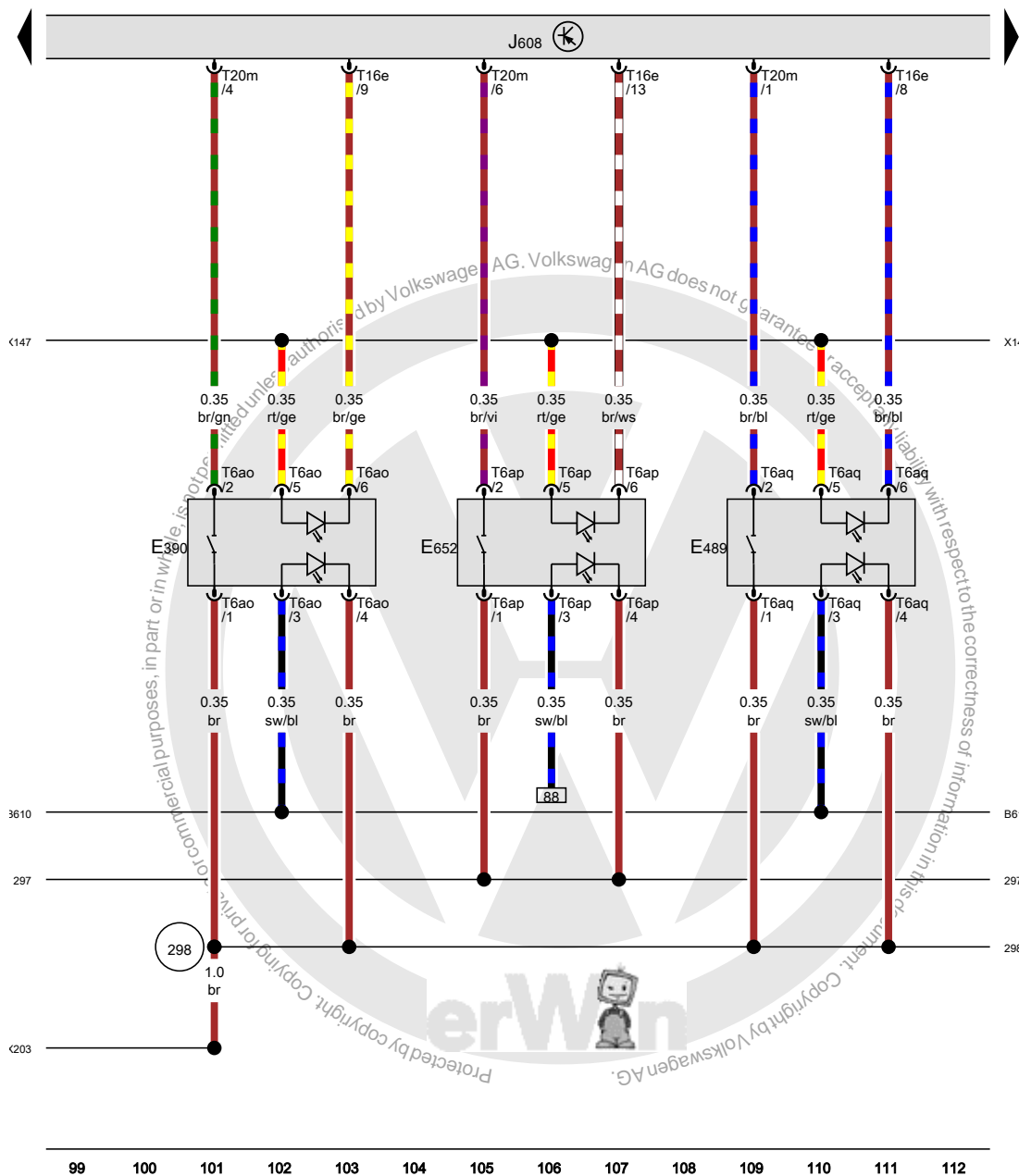


Hands-free system button, Special signal system changeover button, Special vehicle control unit

- E487 Hands-free system button
- E505 Special signal system changeover button
- J608 Special vehicle control unit
- T6am 6-pin connector
- T6ax 6-pin connector
- T16e 16-pin connector, black
- T20m 20-pin connector, red
- 297 Earth connection 12, in interior wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- B236 Positive connection 6 (30a) in interior wiring harness
- B610 Connection 6, in interior wiring harness
- B611 Connection 7, in interior wiring harness
- X133 Connection 6, in optional equipment wiring harness
- X147 Positive connection 6 (30), in optional equipment wiring harness
- X203 Connection 10, in optional equipment wiring harness

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- rs = pink

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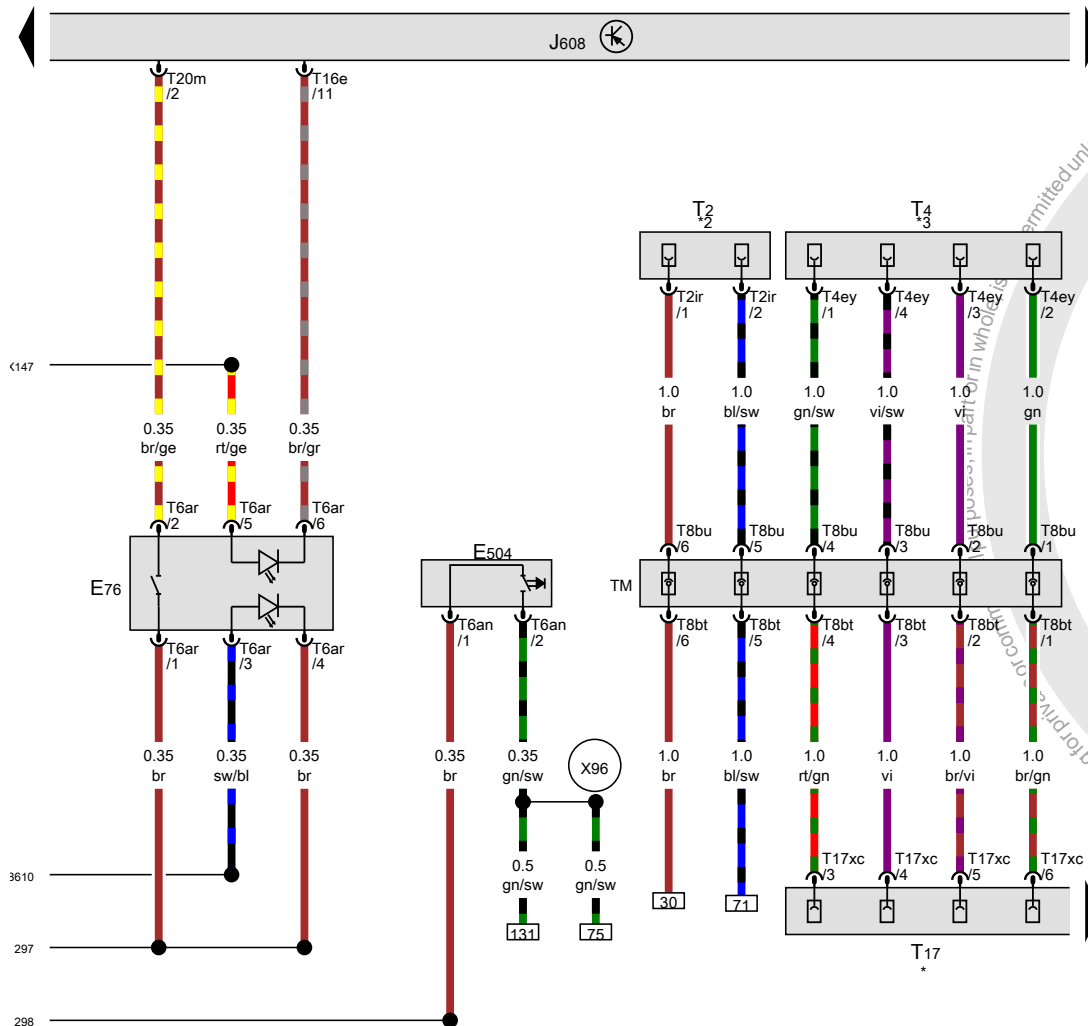


Interior lighting central switch button, Ignition bypass button, Button for daytime running light switch-off, Special vehicle control unit

- E390 Interior lighting central switch button
- E489 Ignition bypass button
- E652 Button for daytime running light switch-off
- J608 Special vehicle control unit
- T6ao 6-pin connector
- T6ap 6-pin connector
- T6aq 6-pin connector
- T16e 16-pin connector, black
- T20m 20-pin connector, red

- (297) Earth connection 12, in interior wiring harness
- (298) Earth connection 13, in interior wiring harness
- (B610) Connection 6, in interior wiring harness
- (X147) Positive connection 6 (30), in optional equipment wiring harness
- (X203) Connection 10, in optional equipment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

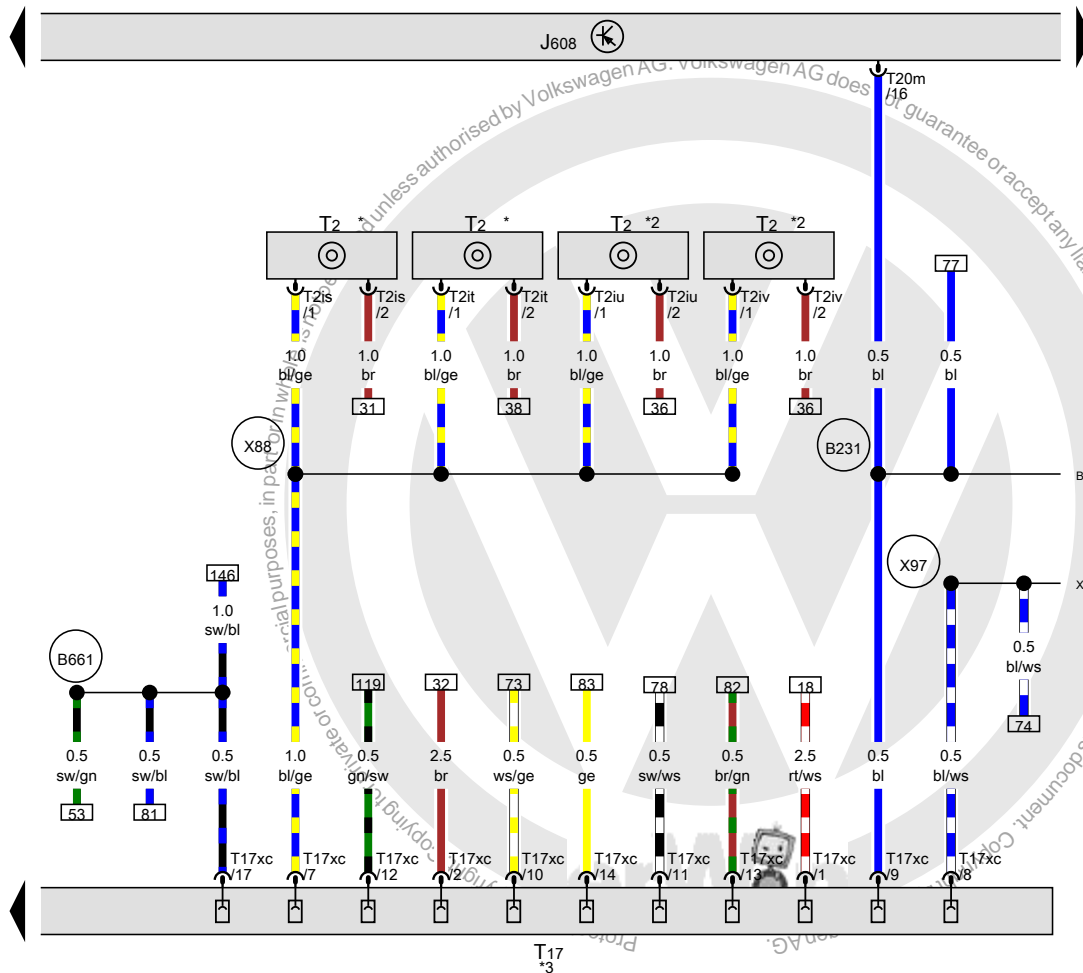


Two-way radio button, Functional test button for special signal system, Special vehicle control unit, 17-pin connector, Coupling point in engine compartment

- E76 Two-way radio button
- E504 Functional test button for special signal system
- J608 Special vehicle control unit
- T16e 16-pin connector, black
- T17xc 17-pin connector, black
- T2 2-pin connector
- T2ir 2-pin connector
- T4 4-pin connector
- T17 17-pin connector
- T4ey 4-pin connector
- T6an 6-pin connector
- T6ar 6-pin connector
- T8bt 8-pin connector, black
- T8bu 8-pin connector
- T20m 20-pin connector, red
- TM Coupling point in engine compartment

- 297 Earth connection 12, in interior wiring harness
- 298 Earth connection 13, in interior wiring harness
- B610 Connection 6, in interior wiring harness
- X96 Connection 2 (siren), in optional equipment wiring harness
- X147 Positive connection 6 (30), in optional equipment wiring harness
- * Connection 1 for special signal system
- *2 Connection for front flashing light
- *3 Connection for pressure chamber loudspeaker

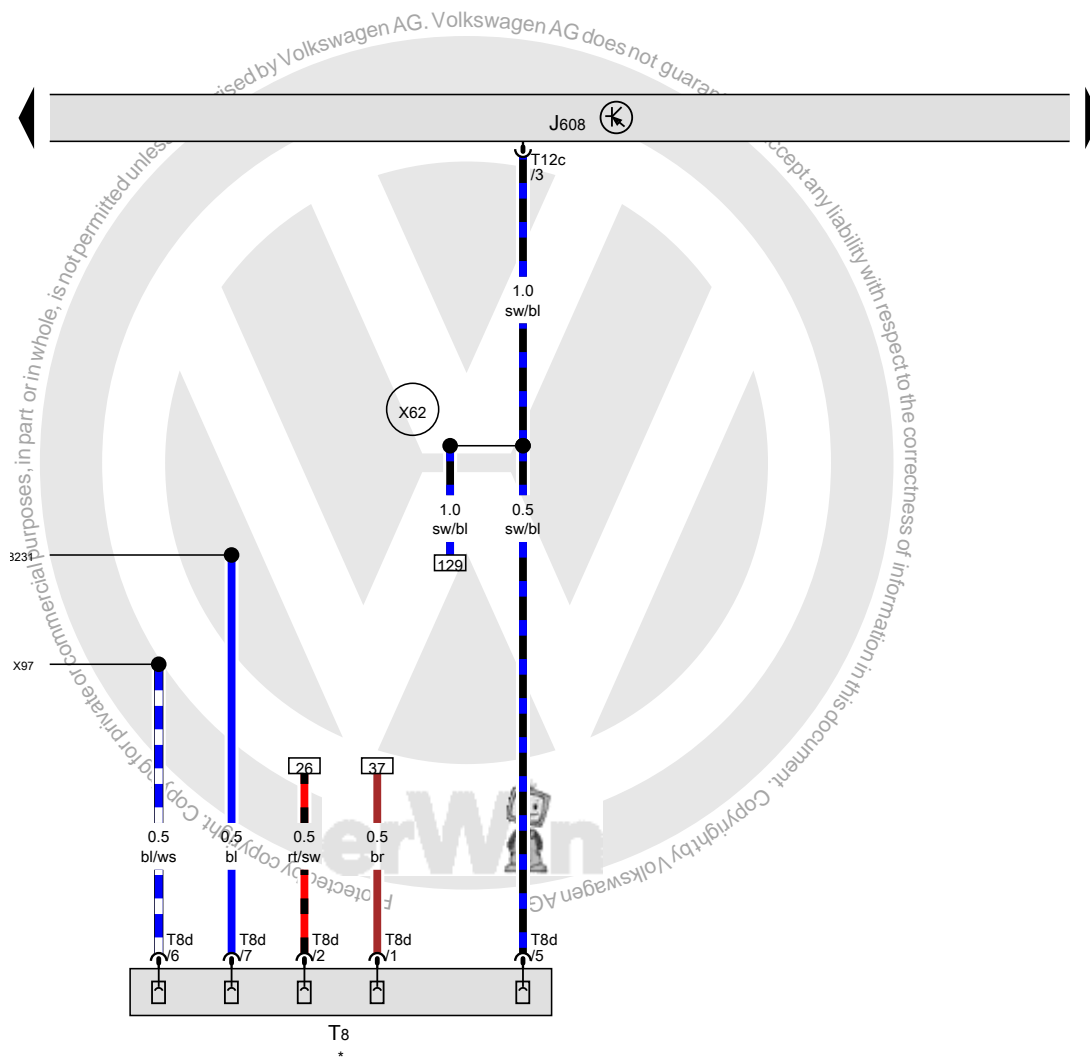
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Special vehicle control unit, 17-pin connector

- J608 Special vehicle control unit
- T2 2-pin connector
- T17 17-pin connector
- T2is 2-pin connector, on lower section of left A-pillar
- T2it 2-pin connector, on lower section of right A-pillar
- T2iu 2-pin connector, on left B-pillar
- T2iv 2-pin connector, on right B-pillar
- T17xc 17-pin connector, black
- T20m 20-pin connector, red
- B231 Positive connection 5 (30a), in interior wiring harness
- B661 Positive connection 6 (15a), in interior wiring harness
- X88 Positive connection (30a, blue flashing light), in optional equipment wiring harness
- X97 Connection 3 (siren), in optional equipment wiring harness
- * Connection for front flashing light
- *2 Connection for rear flashing light
- *3 Connection 1 for special signal system

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Special vehicle control unit

J608 Special vehicle control unit
 T8 8-pin connector
 T8d 8-pin connector
 T12c 12-pin connector, black

- (B231) Positive connection 5 (30a), in interior wiring harness
- (X62) Positive connection 3 (15a), in optional equipment wiring harness
- (X97) Connection 3 (siren), in optional equipment wiring harness
- * For models with accident data recorder

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Blocking diode, Onboard supply control unit, Steering column electronics control unit, Special vehicle control unit, Control unit for electronic steering column lock, Blocking diode 2

- J29 Blocking diode
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J608 Special vehicle control unit
- J764 Control unit for electronic steering column lock
- J811 Blocking diode 2
- T6ad 6-pin connector, black
- T6ae 6-pin connector, black
- T16b 16-pin connector, brown
- T16e 16-pin connector, black
- T16r 16-pin connector
- T16s 16-pin connector
- T73a 73-pin connector
- TIUL Coupling point in interior, below left

B762 Connection 1 (blocking diode), in interior wiring harness

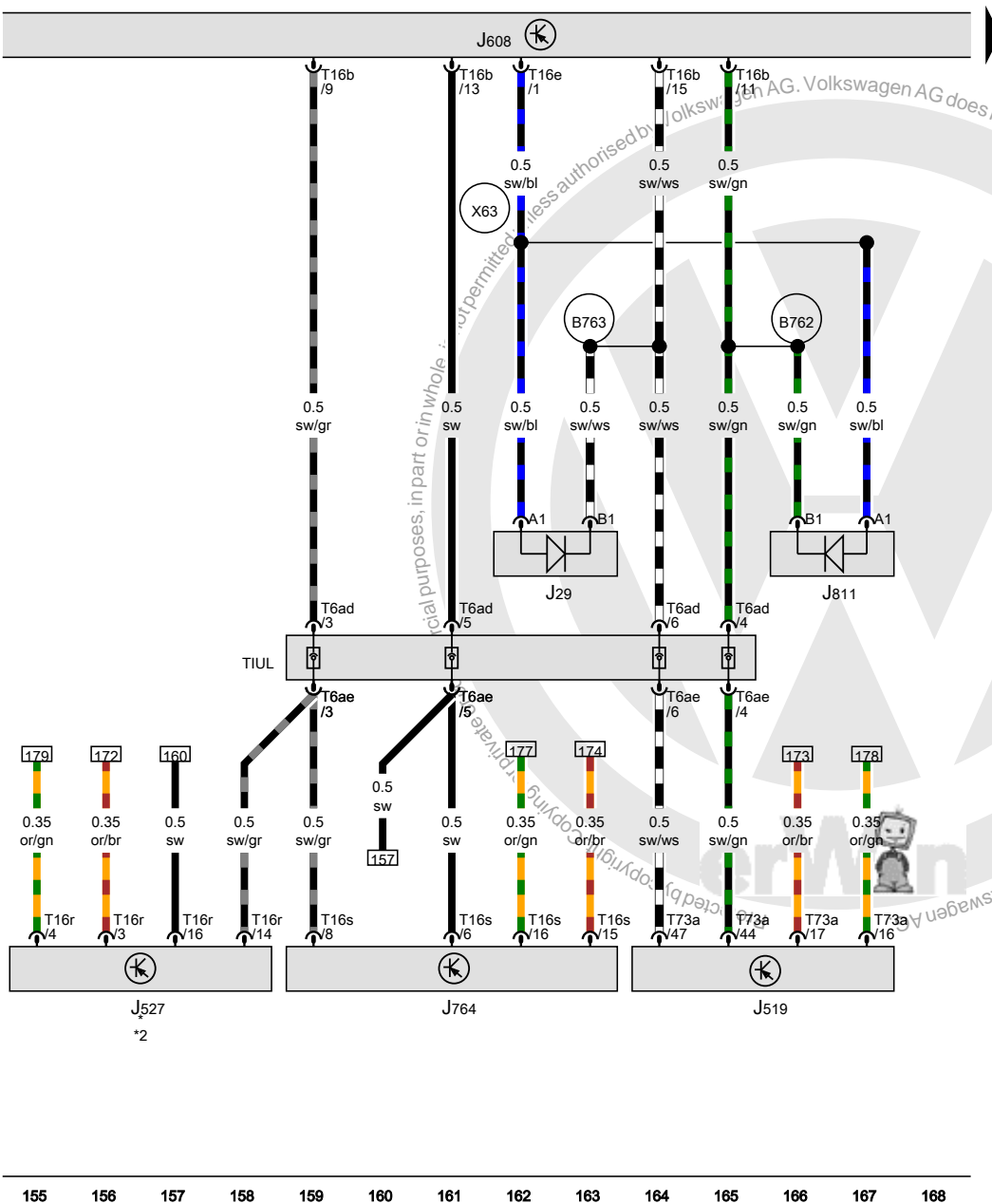
B763 Connection 2 (blocking diode), in interior wiring harness

X63 Positive connection 1 (15a), in optional equipment wiring harness

* see applicable current flow diagram

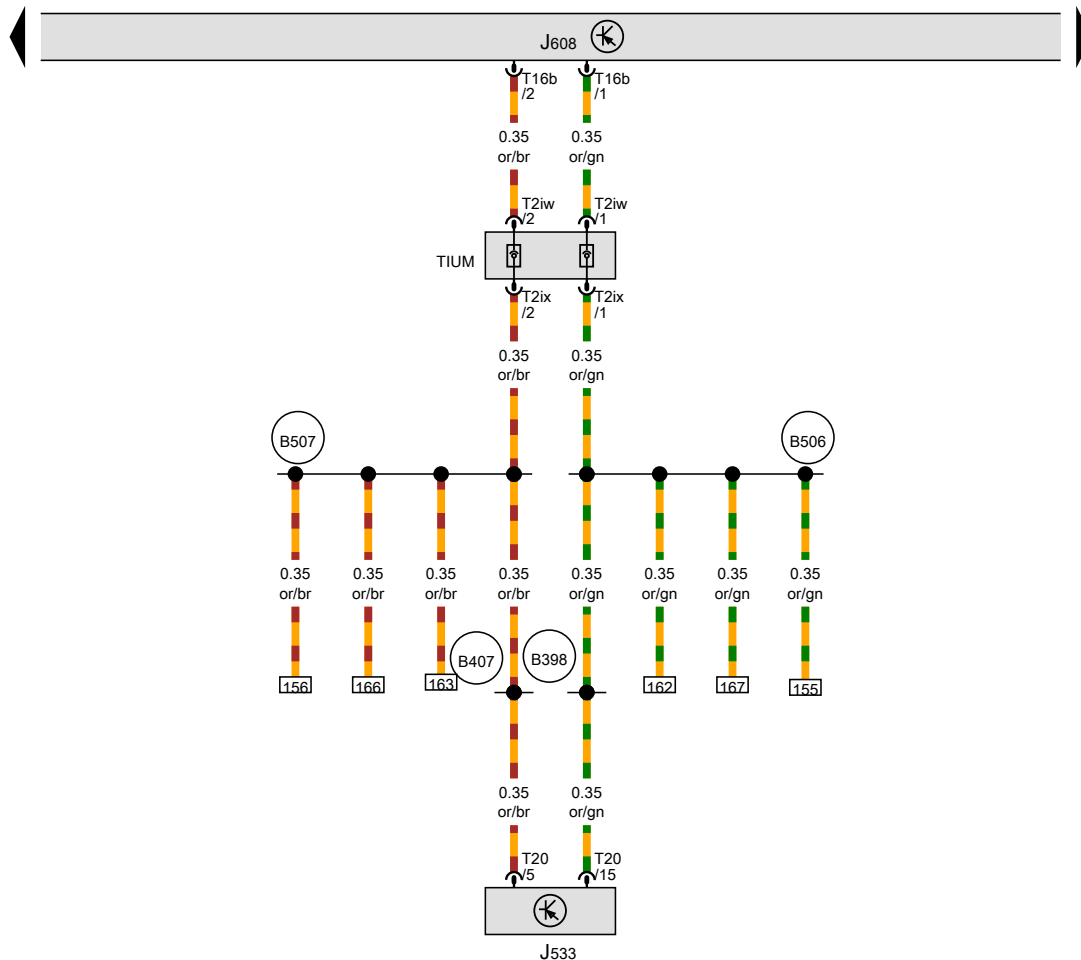
*2 For models with no heated steering wheel

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



155 156 157 158 159 160 161 162 163 164 165 166 167 168

[5G1-058130617]



Data bus diagnostic interface, Special vehicle control unit

J533 Data bus diagnostic interface

J608 Special vehicle control unit

T2iw 2-pin connector, black

T2ix 2-pin connector, black

T16b 16-pin connector, brown

T20 20-pin connector

TIUM Coupling point in interior, below centre

B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

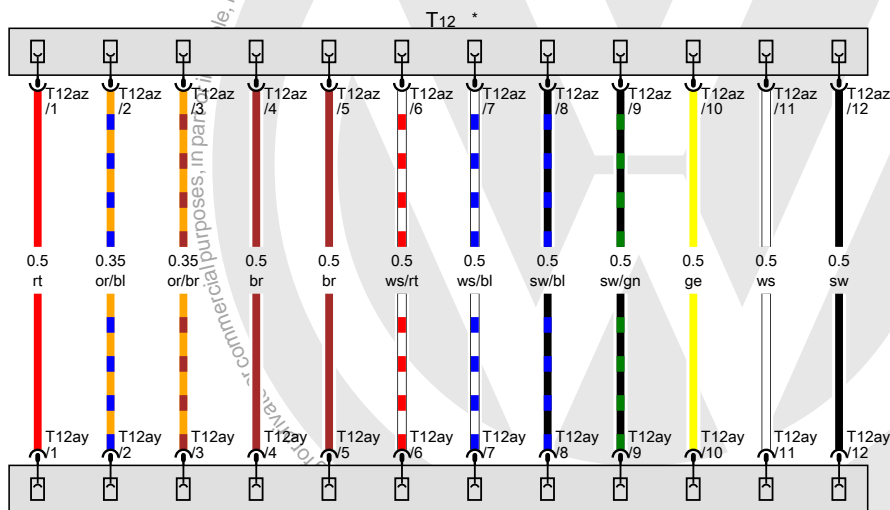
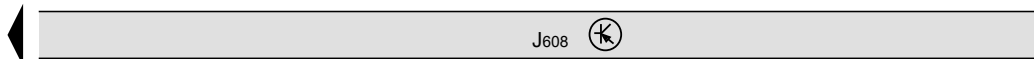
B506 Connection (convenience CAN bus, high), in interior wiring harness

B507 Connection (convenience CAN bus, low), in interior wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Special vehicle control unit

- J608 Special vehicle control unit
 T12 12-pin connector, near lower part of right A-pillar
 T12ay 12-pin connector, black
 T12az 12-pin connector, black
 * Connection for 2-way radio



- ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
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1.4l engine , CPWA

From June 2013

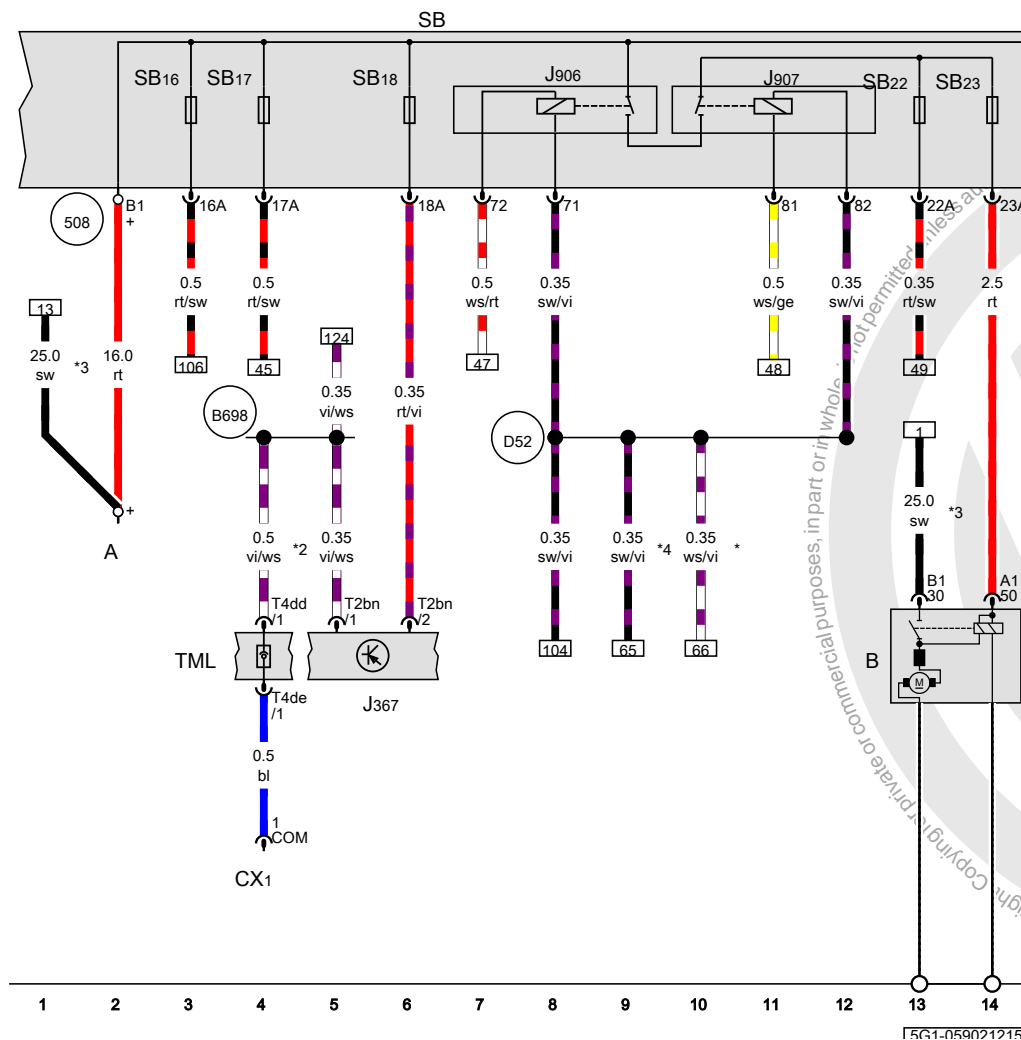


Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

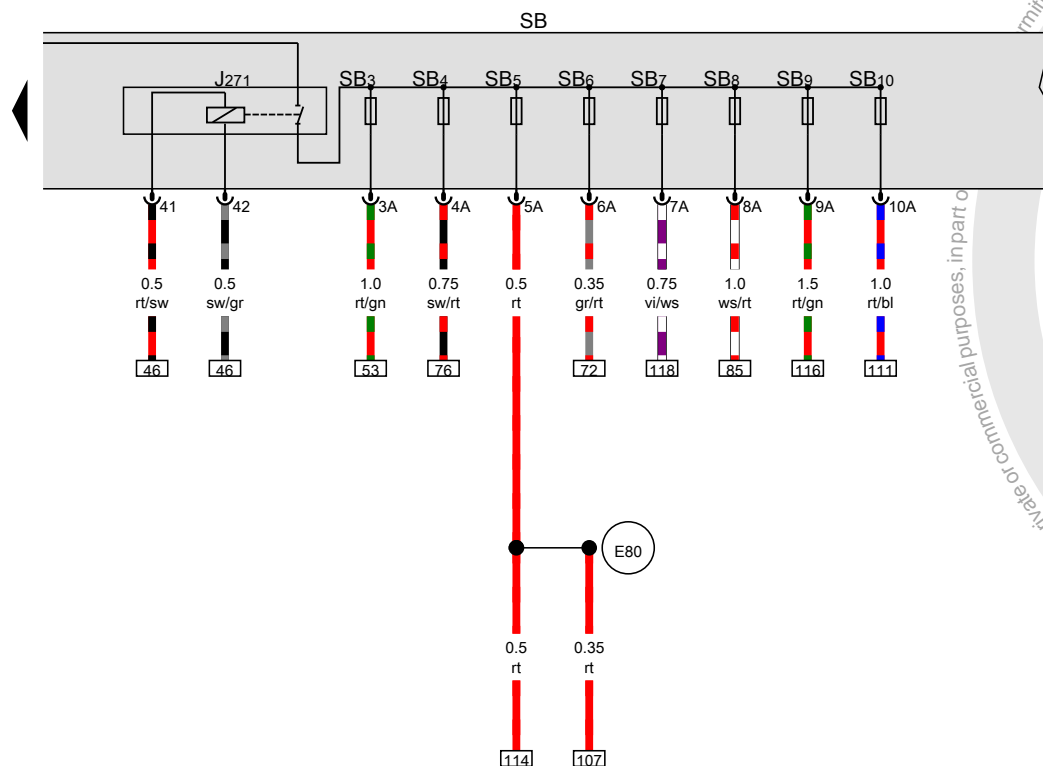
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2014
- *2 Cross section depends on equipment
- *3 Cross-section 35.0 possible
- *4 From May 2014

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- sw = black
- ro = red
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- br = brown
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

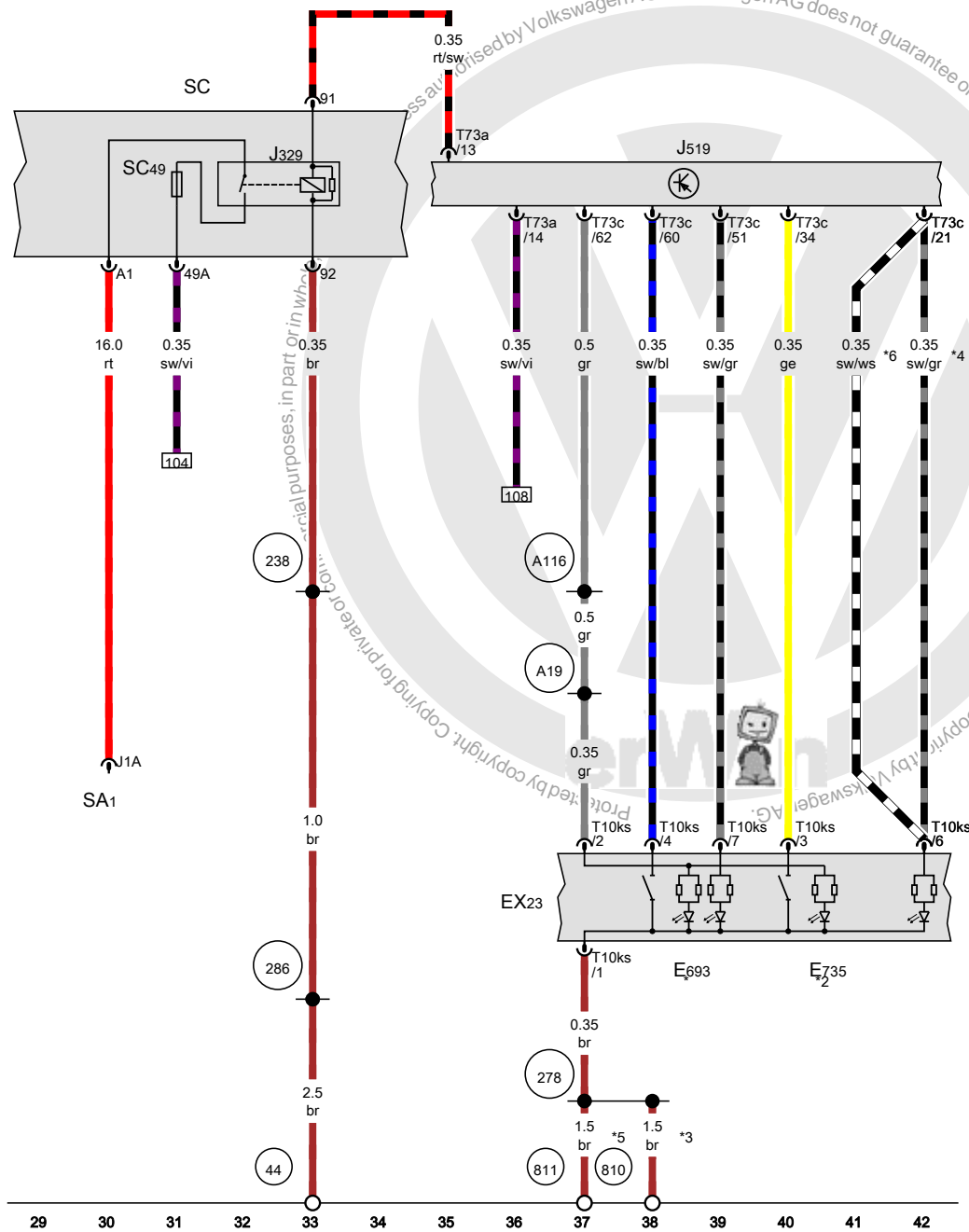


Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- E80 Connection 4 (87a) in engine wiring harness



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- bl = blue
- gr = grey
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- vi = purple
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- or = orange
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Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Up to May 2015
- *5 Only right-hand drive models
- *6 From May 2015

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine control unit

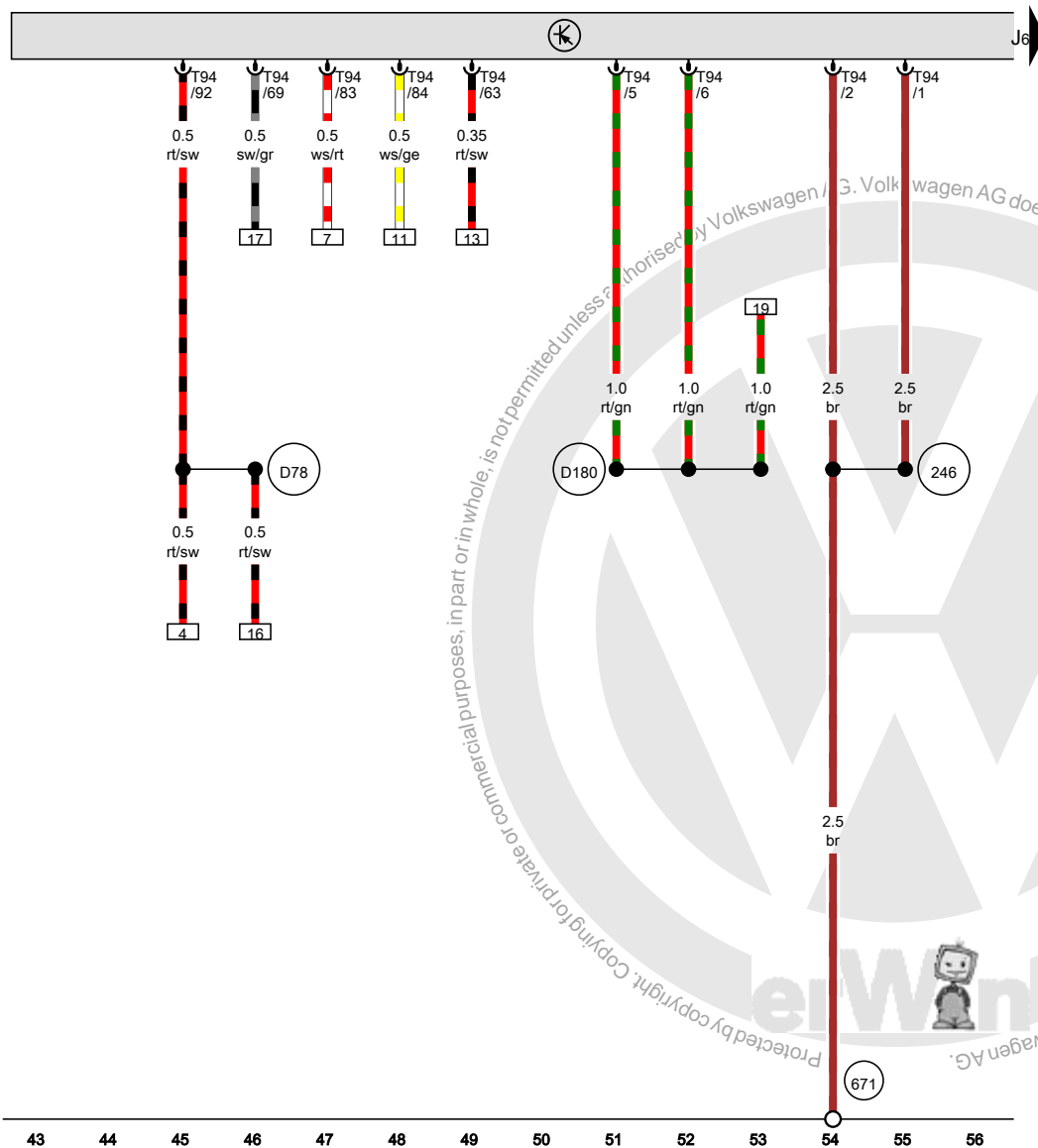
J623 Engine control unit
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

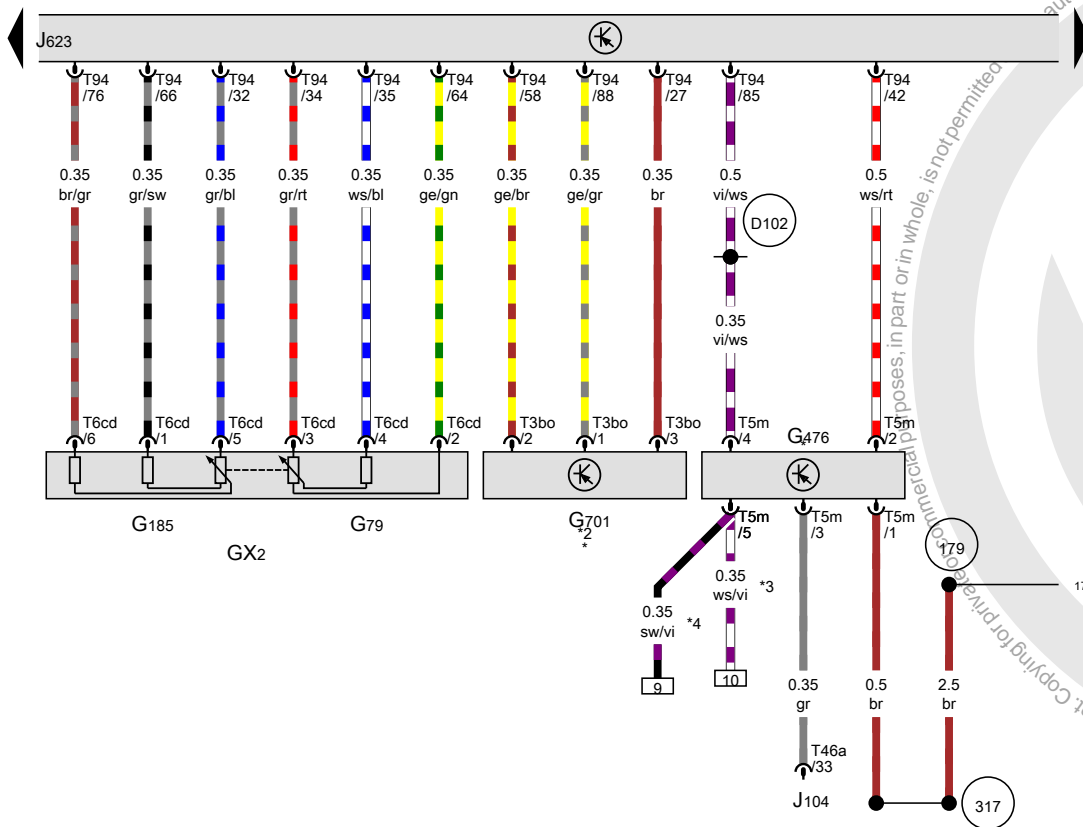
D180 Connection (87a), in engine compartment wiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

15G1-059051215

Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit

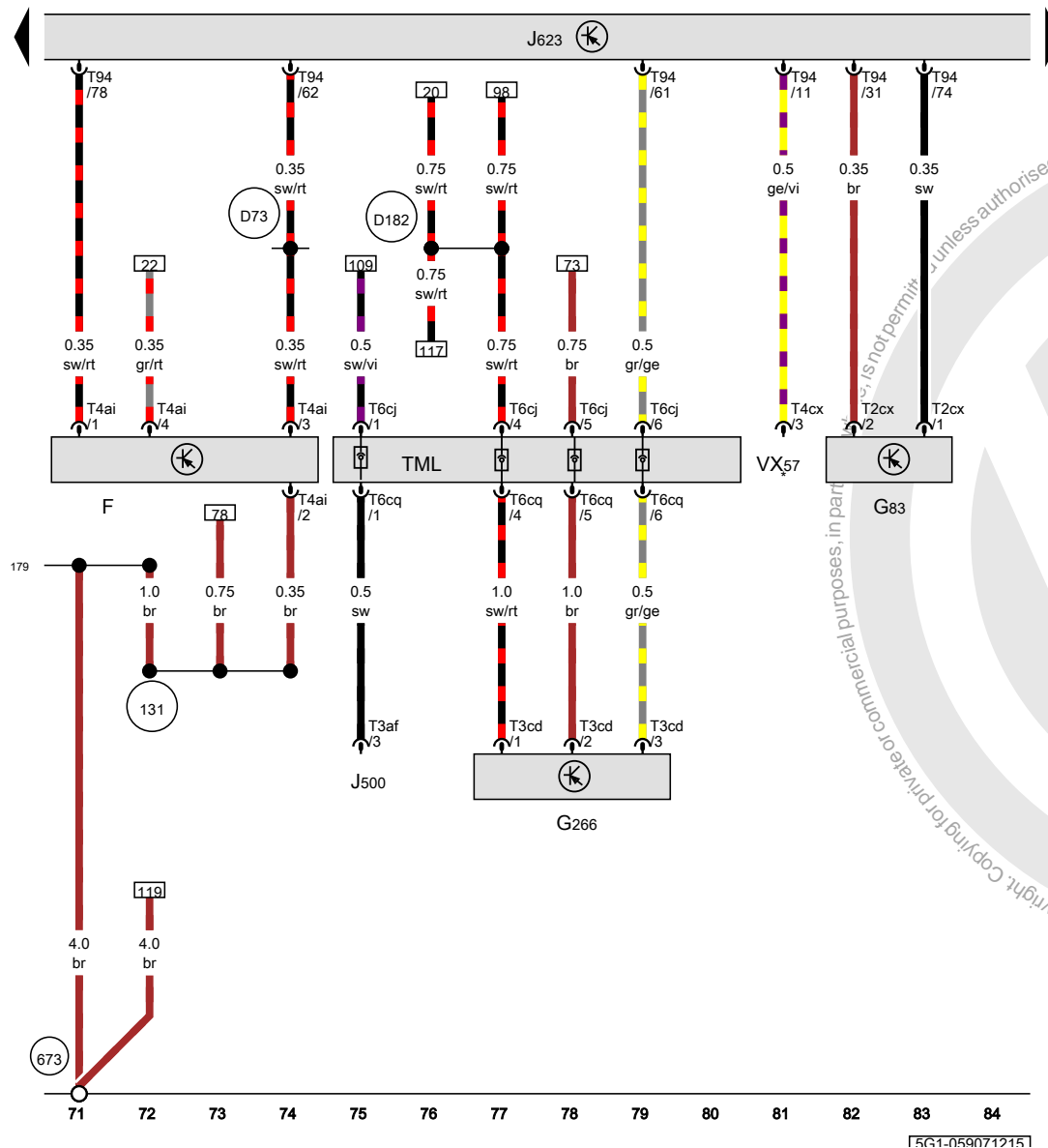


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

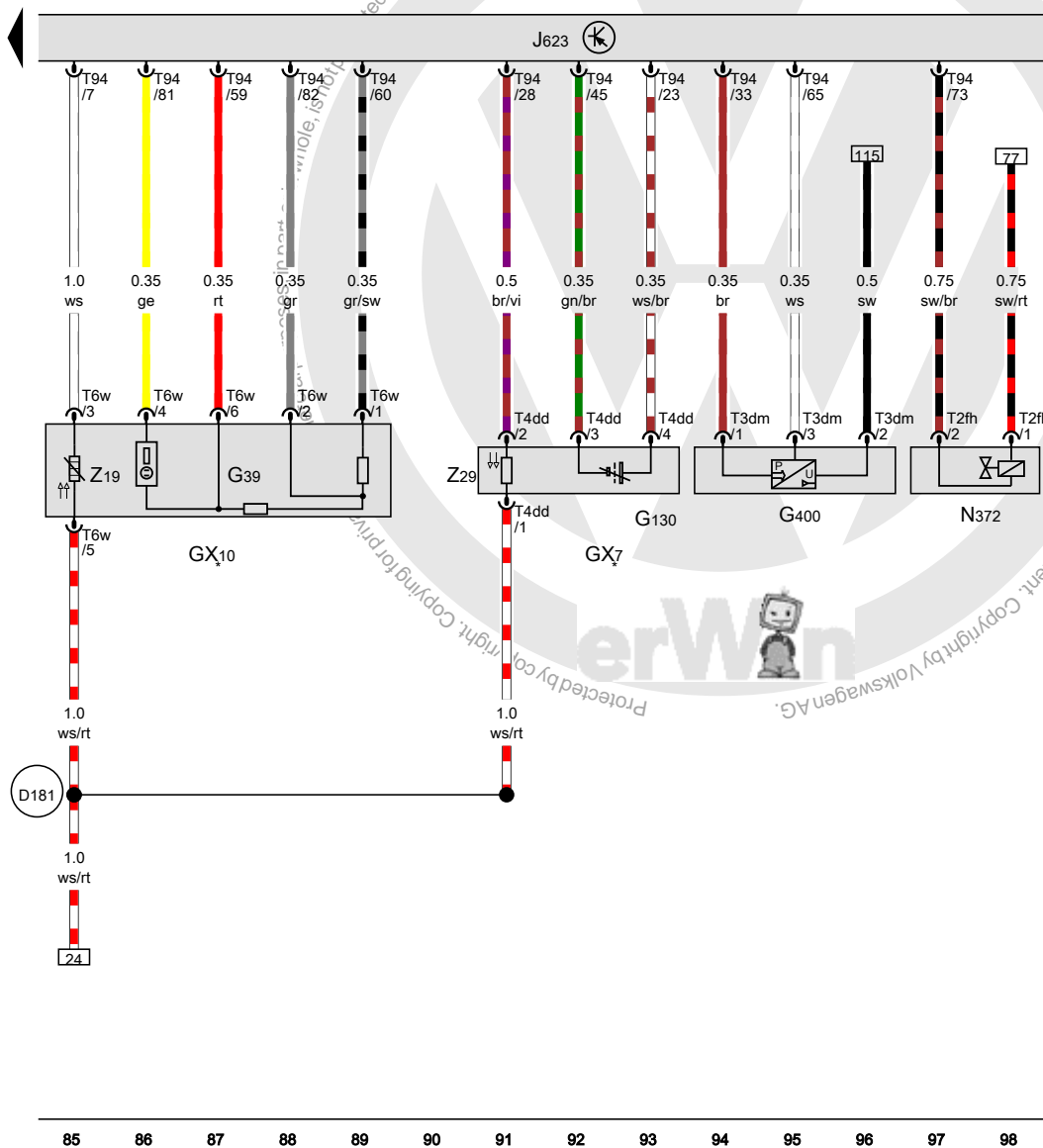
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system
- *3 Up to May 2014
- *4 From May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit



- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Tank pressure sensor, Engine control unit, High-pressure valve for gas mode

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G400 Tank pressure sensor
- J623 Engine control unit
- N372 High-pressure valve for gas mode
- T2fh 2-pin connector
- T3dm 3-pin connector
- T4dd 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

* Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

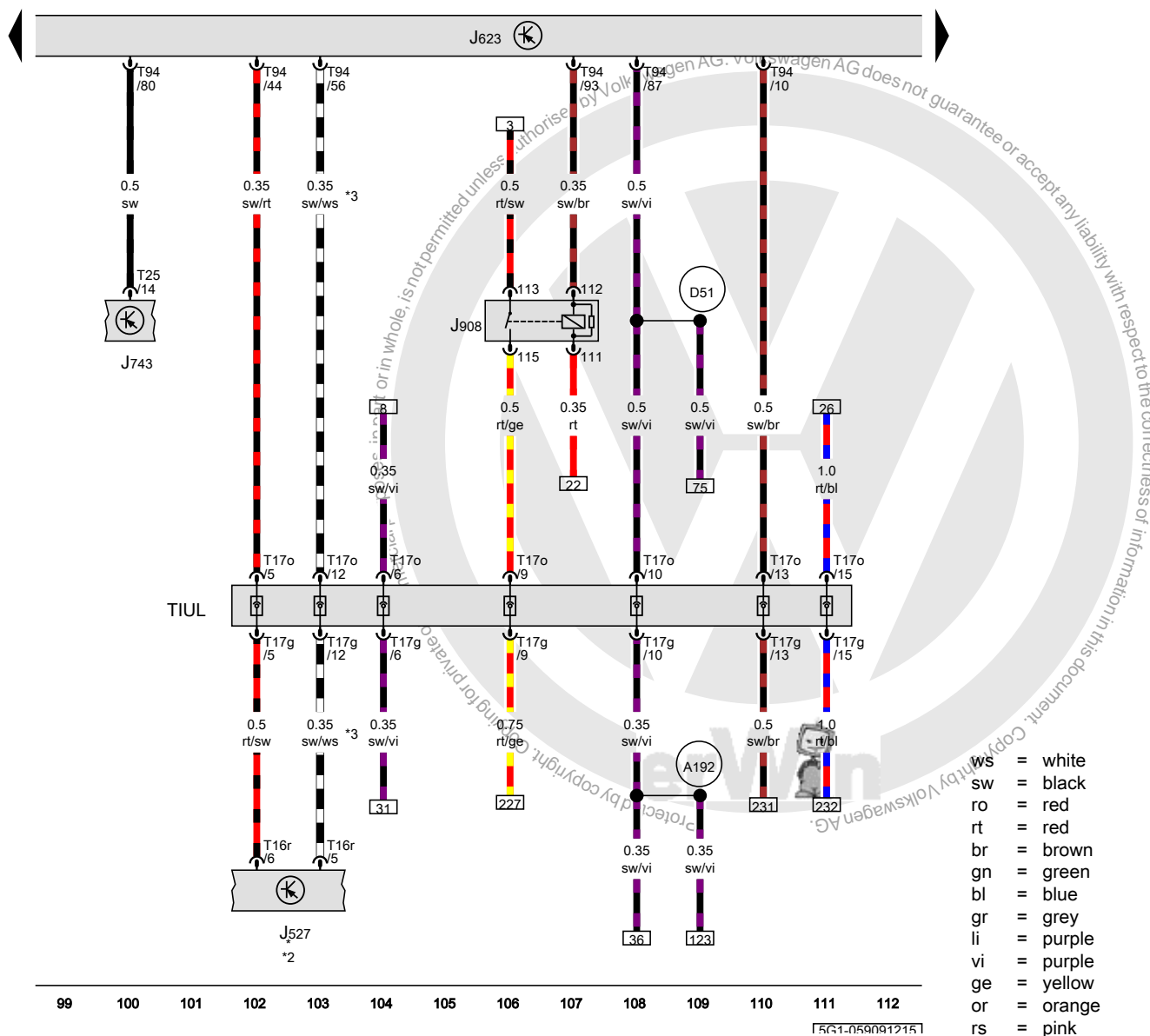
Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox, Relay for gas shut-off valves

- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- J908 Relay for gas shut-off valves
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

- * see applicable current flow diagram
- *2 Only models with no heated steering wheel
- *3 Only models with cruise control system (CCS)

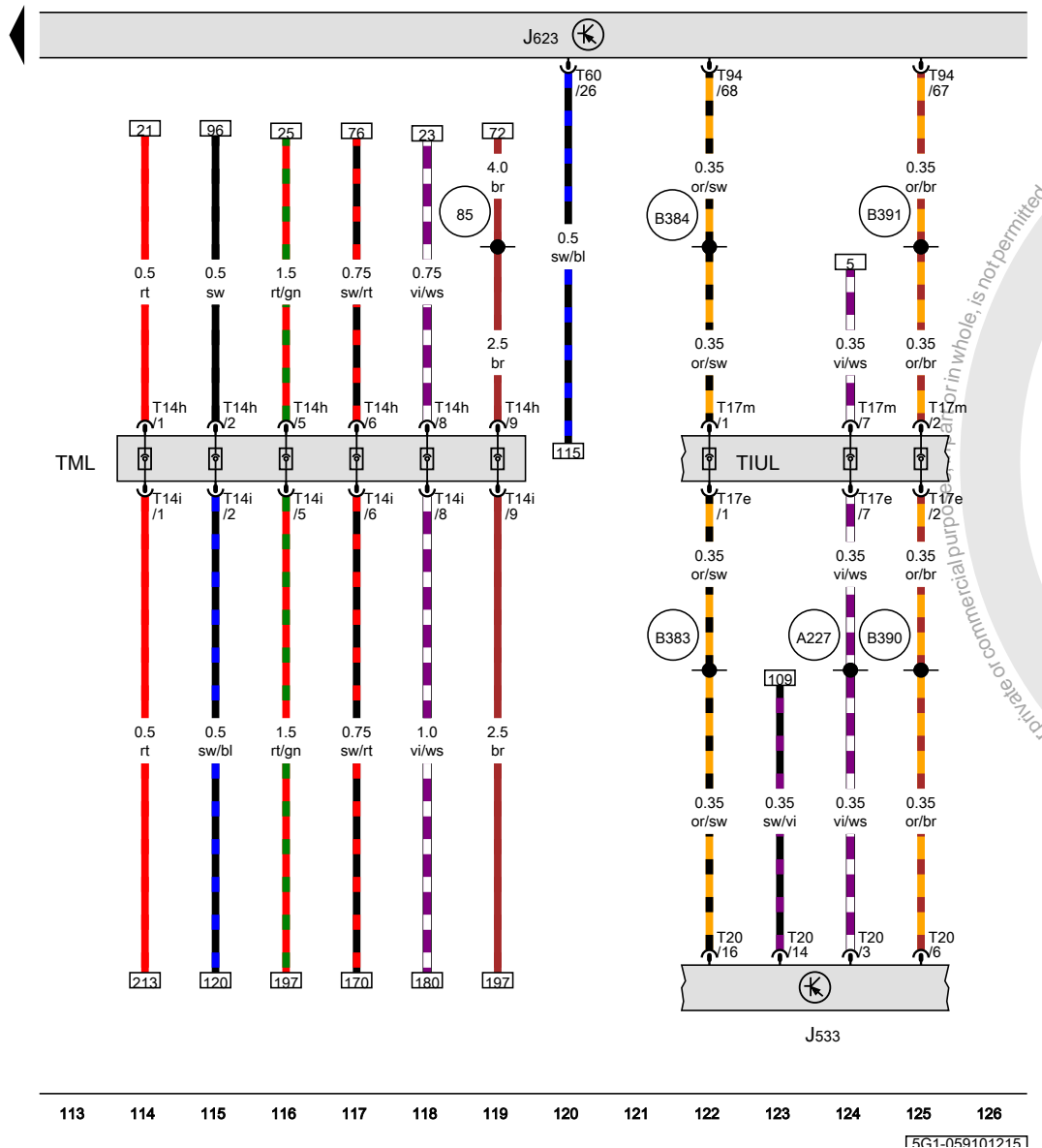


Data bus diagnostic interface, Engine control unit

- J533 Data bus diagnostic interface
- J623 Engine control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T60 60-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

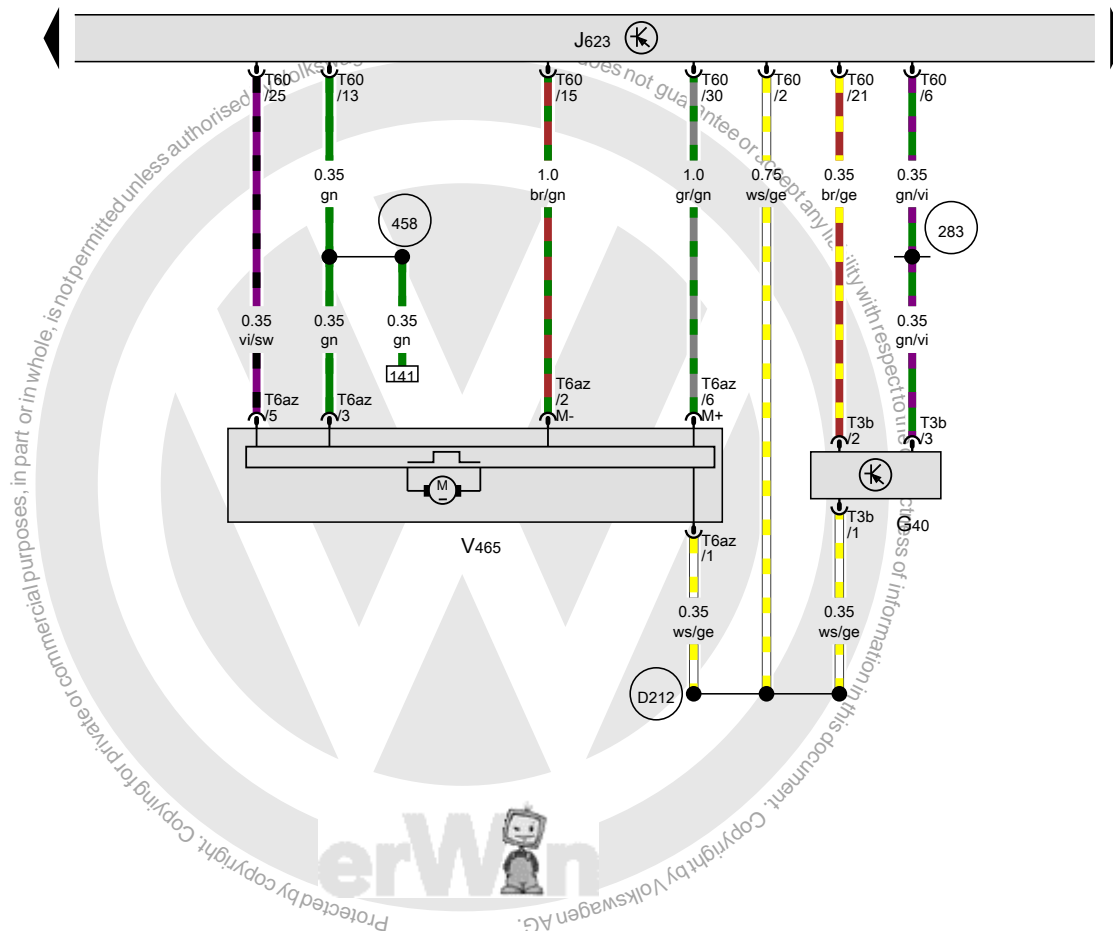
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
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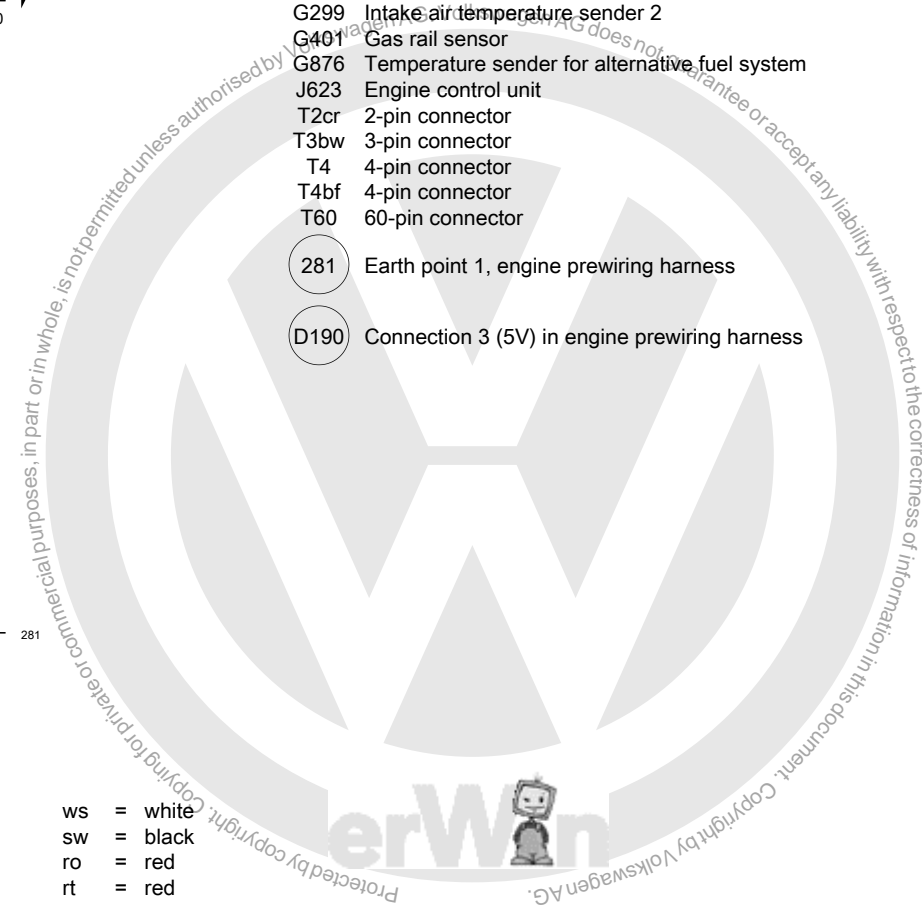
Hall sender, Engine control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness

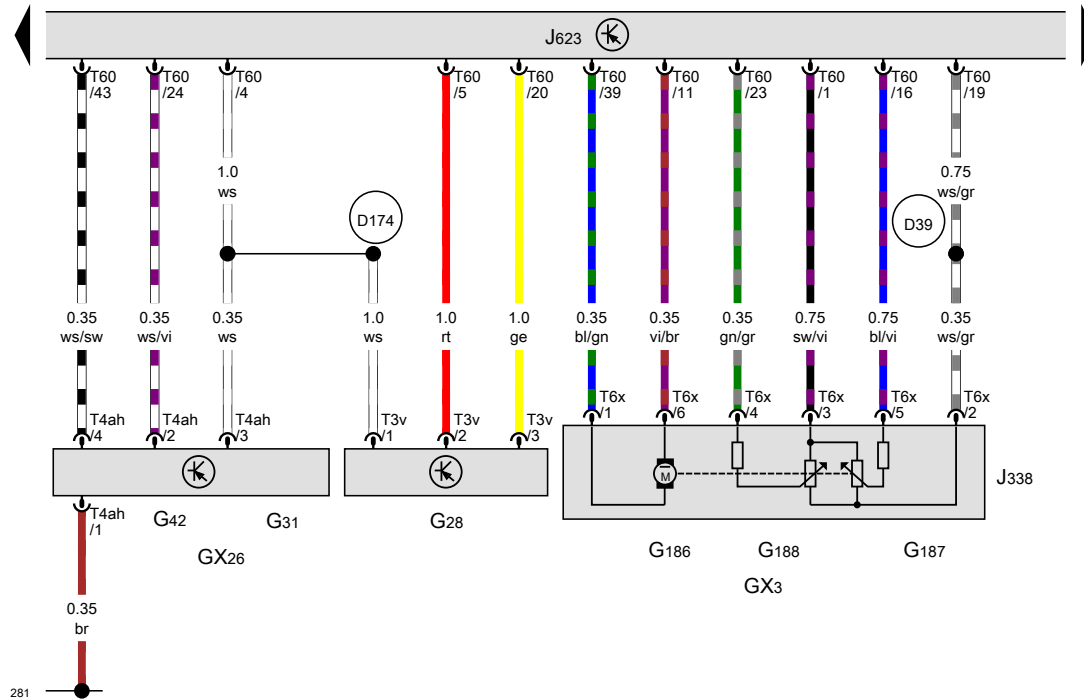


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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



- (D190) Connection 3 (5V) in engine prewiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Throttle valve module, Charge pressure sender, Engine speed sender, Engine control unit

- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- D39 Connection 1, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

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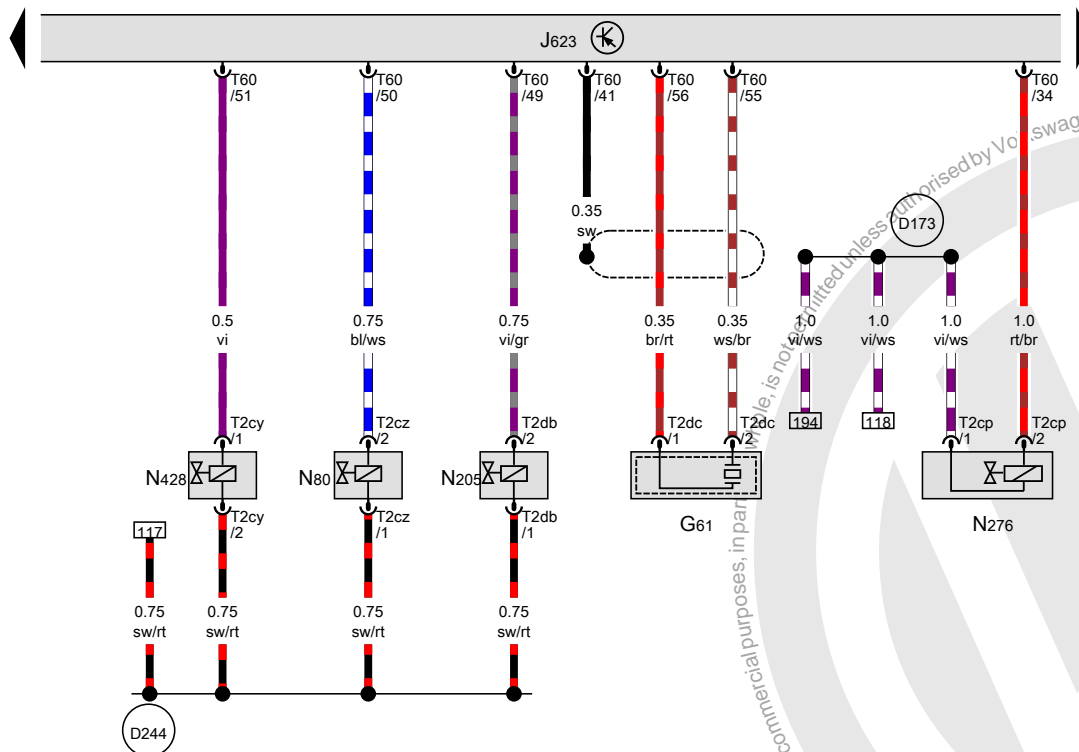
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Valve for oil pressure control

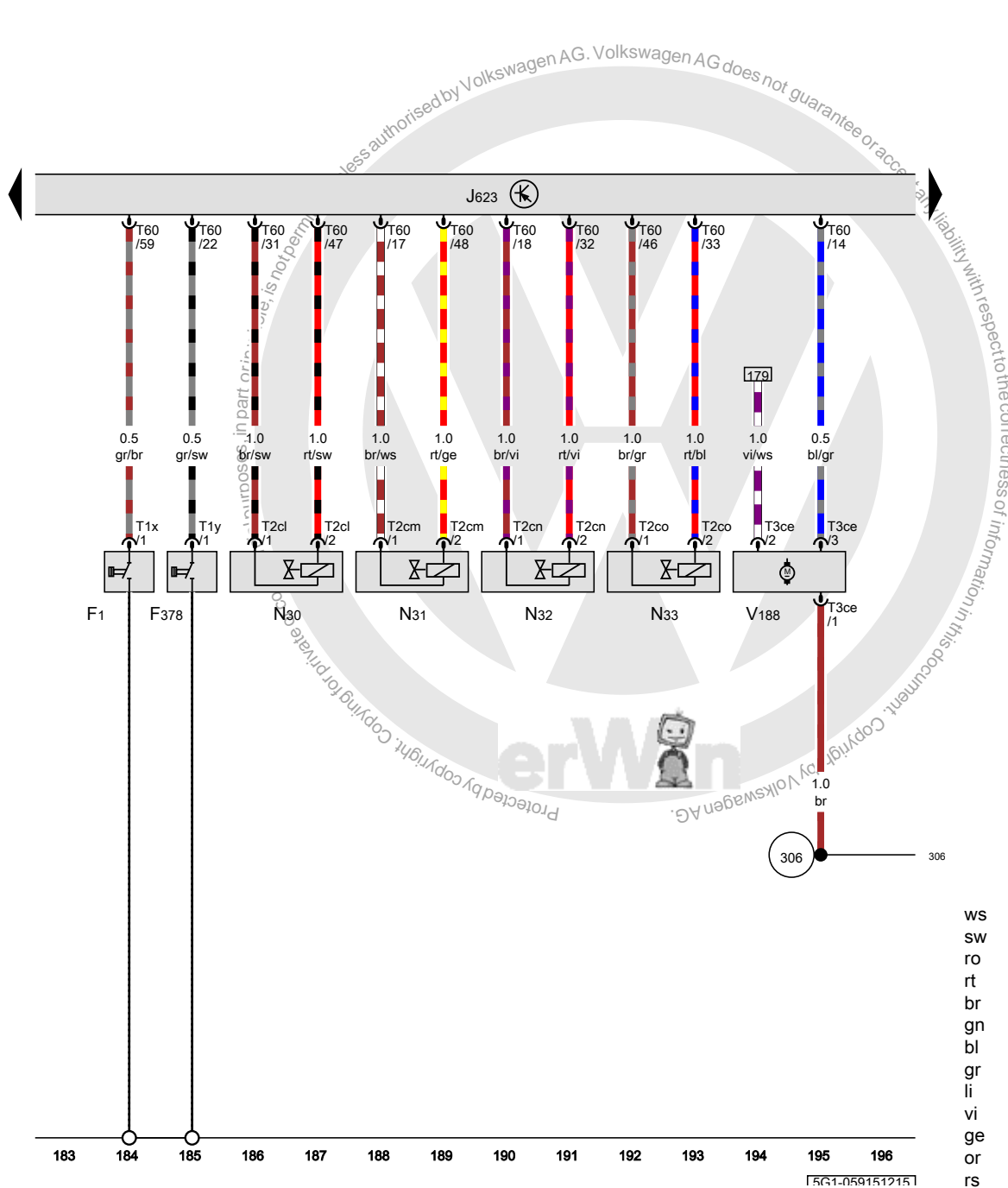
- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

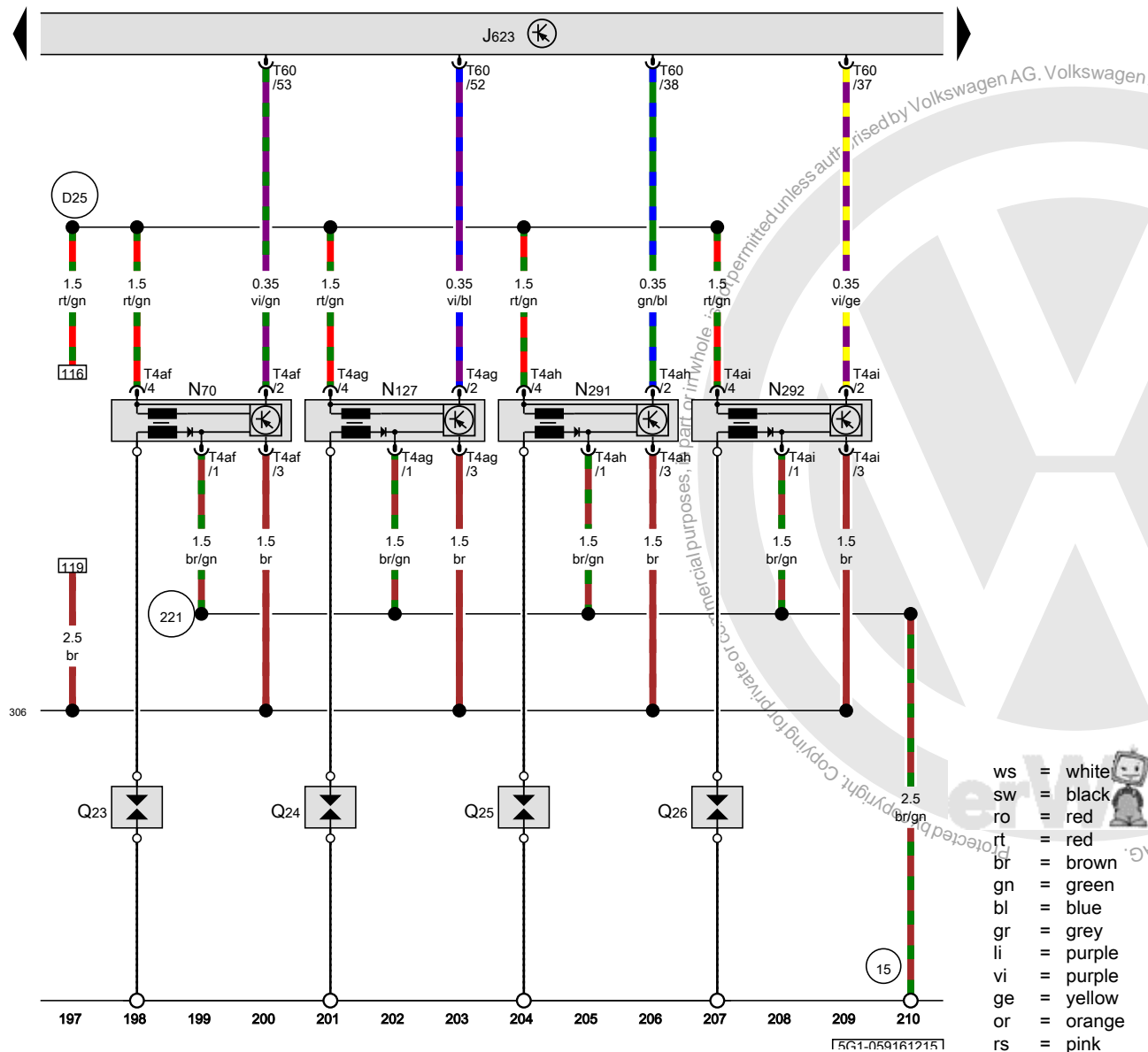
- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15) in engine prewiring harness

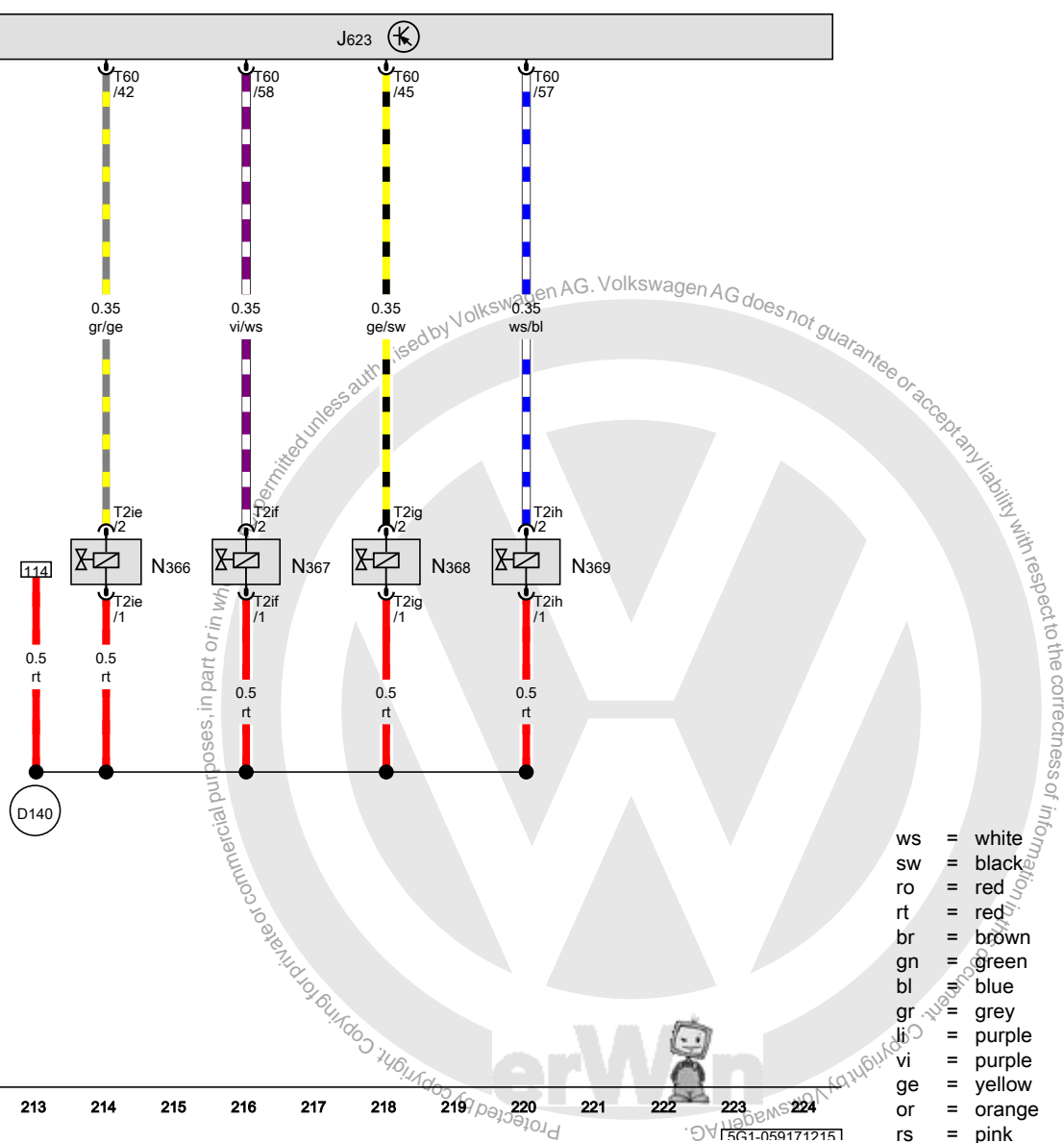


- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4

- J623 Engine control unit
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- T2ie 2-pin connector
- T2if 2-pin connector
- T2ig 2-pin connector
- T2ih 2-pin connector
- T60 60-pin connector

D140 Connection (injectors), in engine prewiring harness

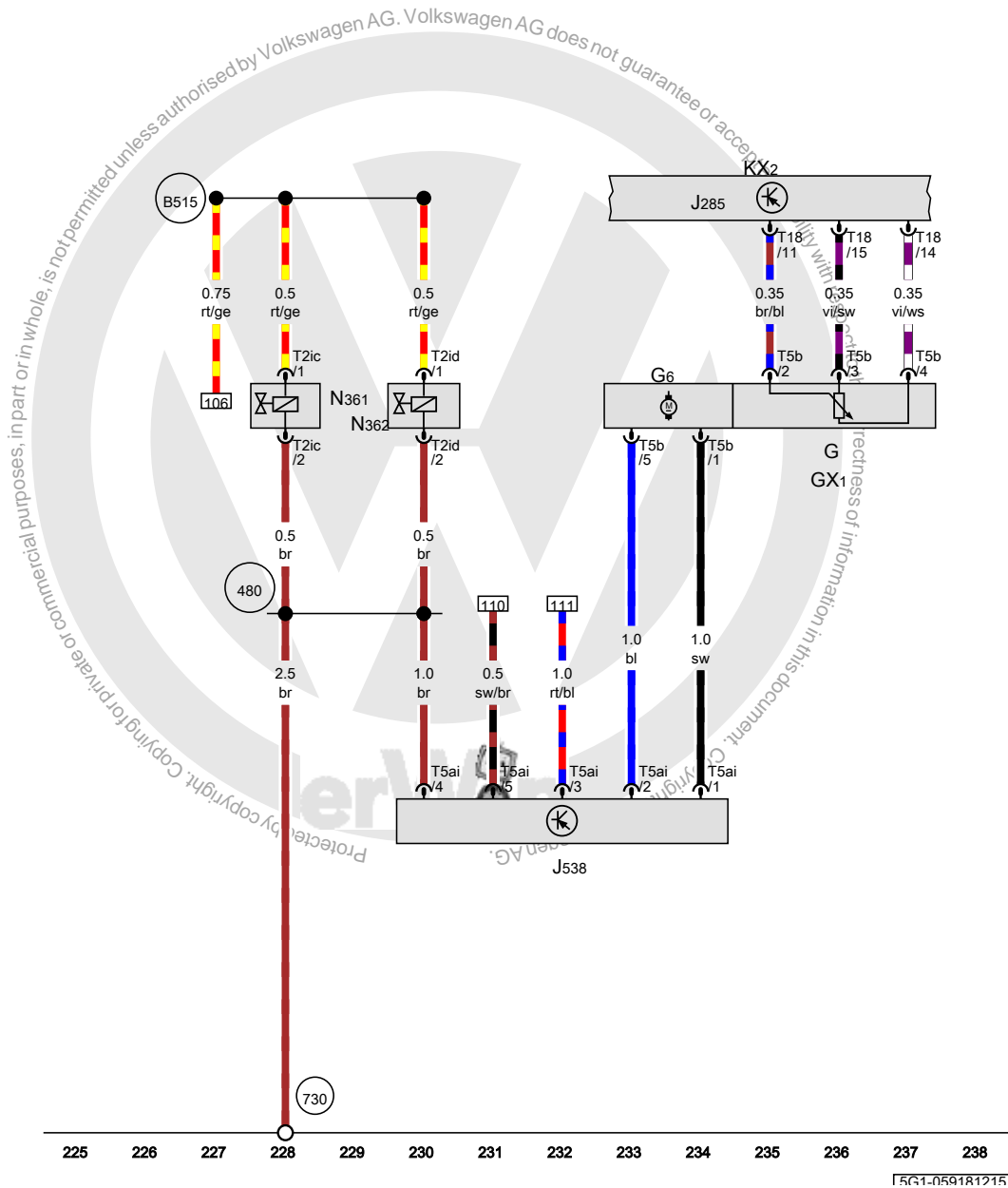


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- rs = pink

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert, Fuel tank shut-off valve 1, Fuel tank shut-off valve 2

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- T2ic 2-pin connector
- T2id 2-pin connector
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- B515 Positive connection 4 (87), in interior wiring harness

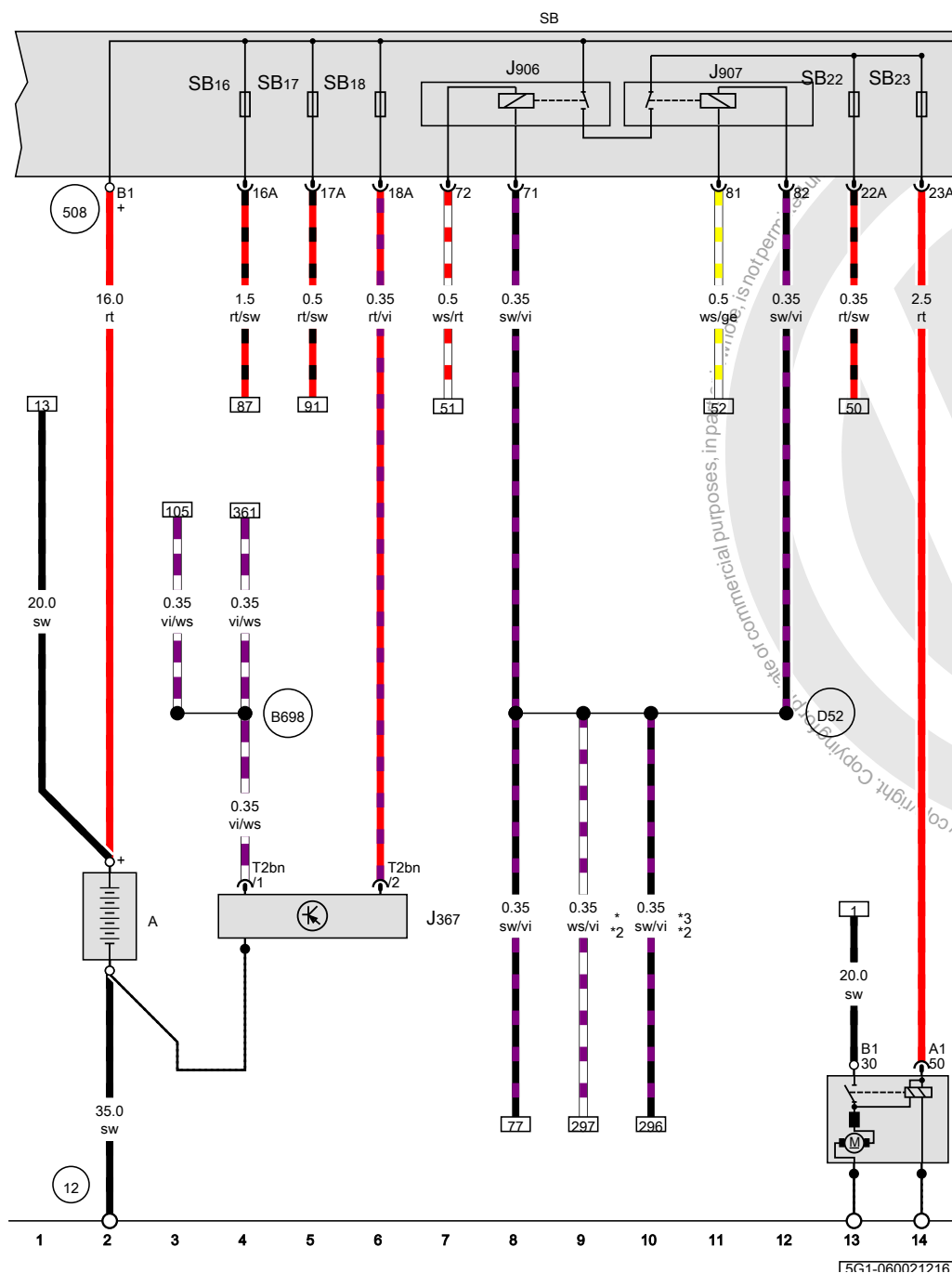


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- or = orange
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2.0l petrol engine , CJXB,CJXC

From November 2013

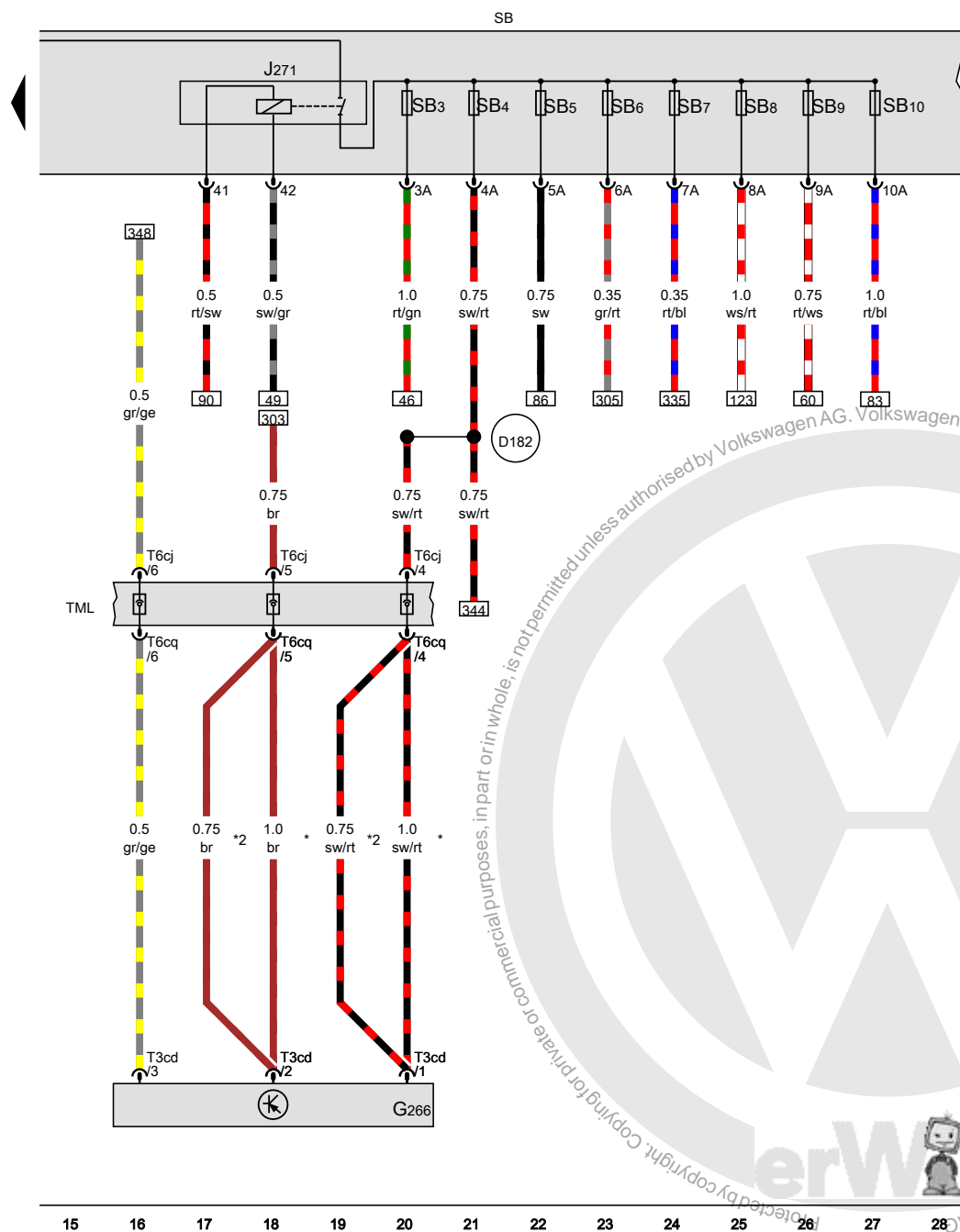




Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a) in engine compartment wiring harness
- * Up to May 2014
- *2 Only models with manual gearbox
- *3 From May 2014

ws = white
 sw = black
 ro = red
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 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink



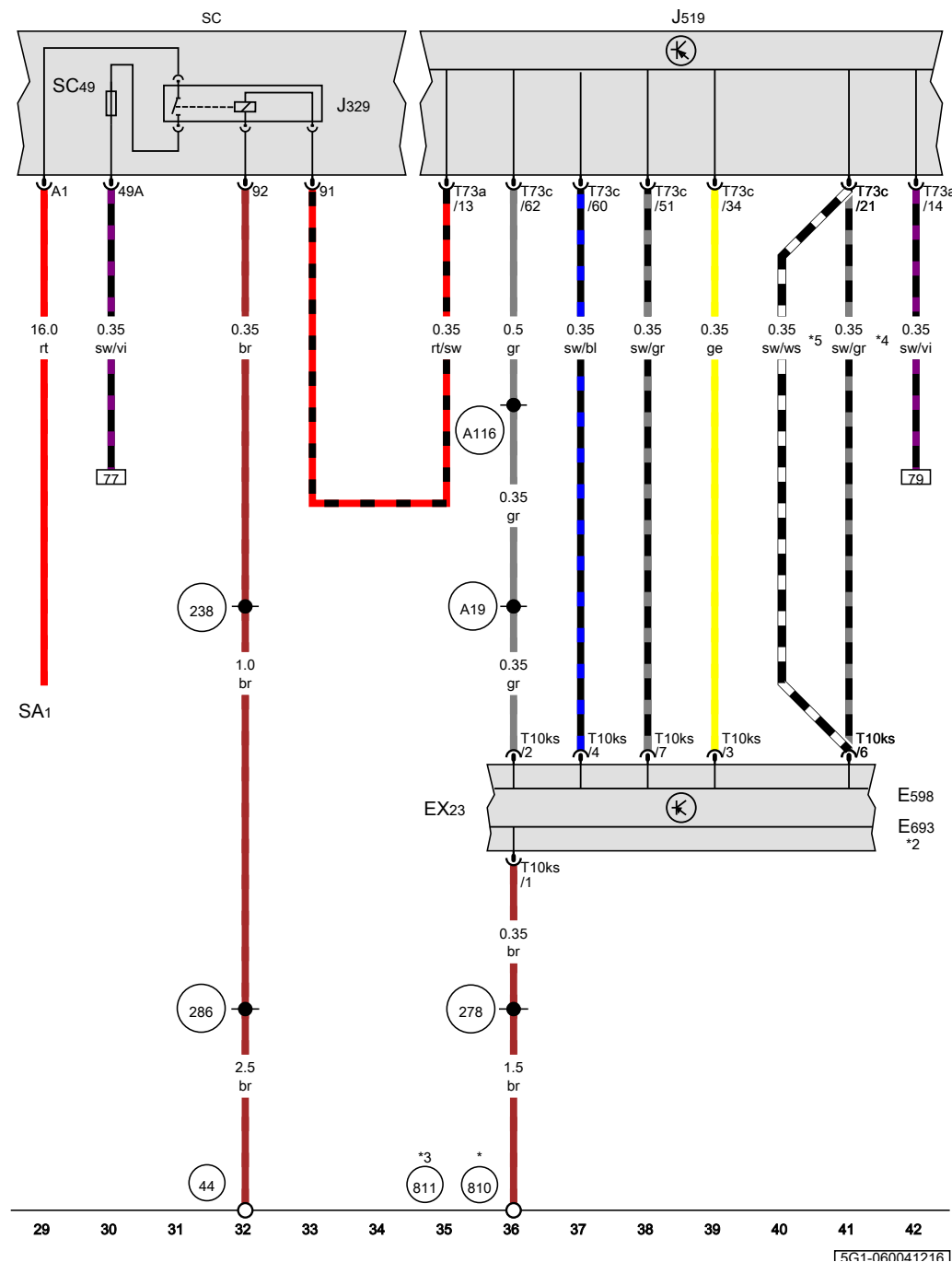
Oil level and oil temperature sender, Main relay, Fuse holder B

- G266 Oil level and oil temperature sender
- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- TML Coupling point in engine compartment, left

D182 Connection 3 (87a), in engine compartment wiring harness

- * Up to May 2014
- *2 From May 2014

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- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Switch module 1 in centre console, Driving program button, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E693 Start/Stop operation button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only left-hand drive models
- *2 Only models with start/stop system
- *3 Only right-hand drive models
- *4 Up to May 2015
- *5 From May 2015

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

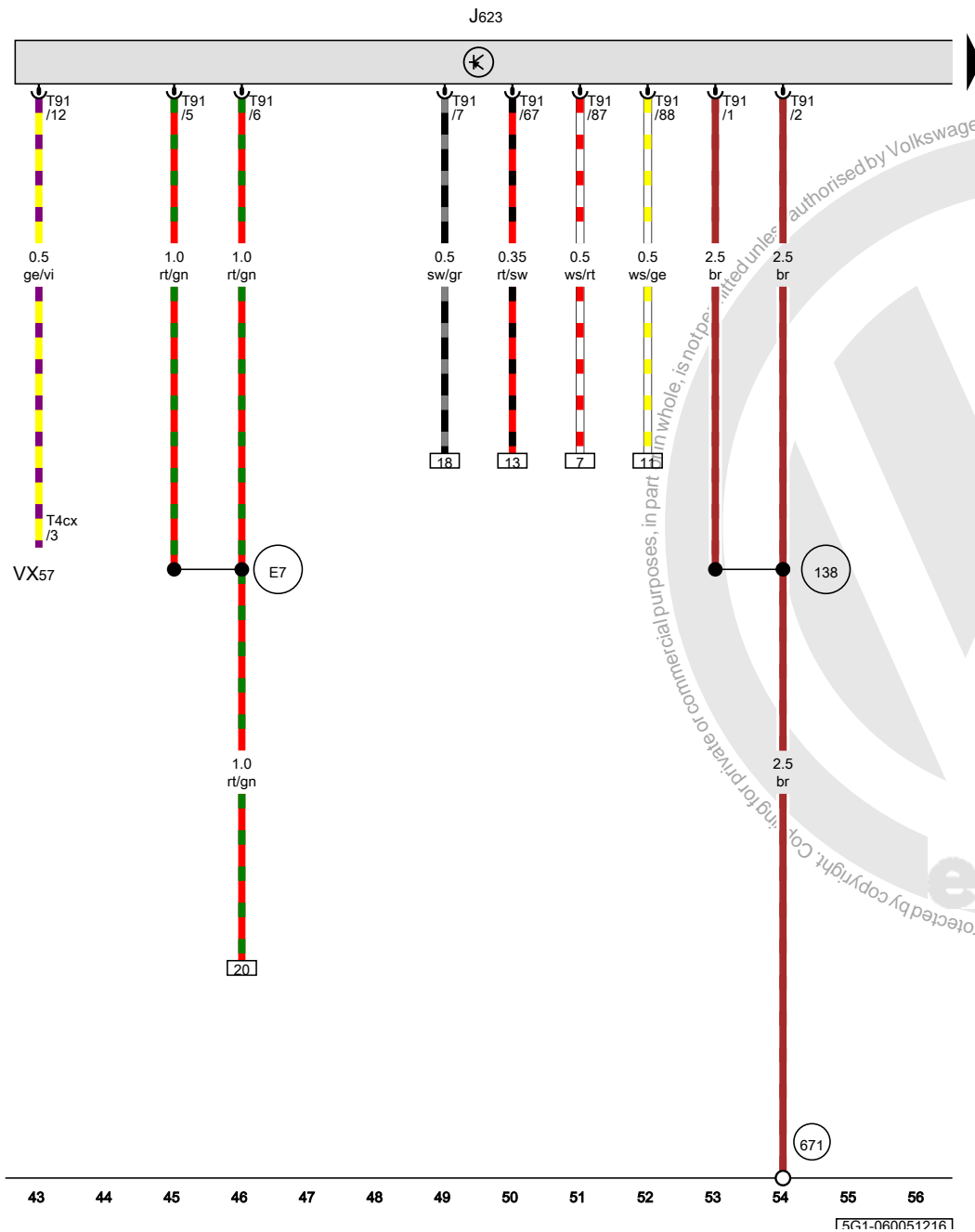
Engine control unit

J623 Engine control unit
T4cx 4-pin connector
T91 91-pin connector
VX57 Radiator fan

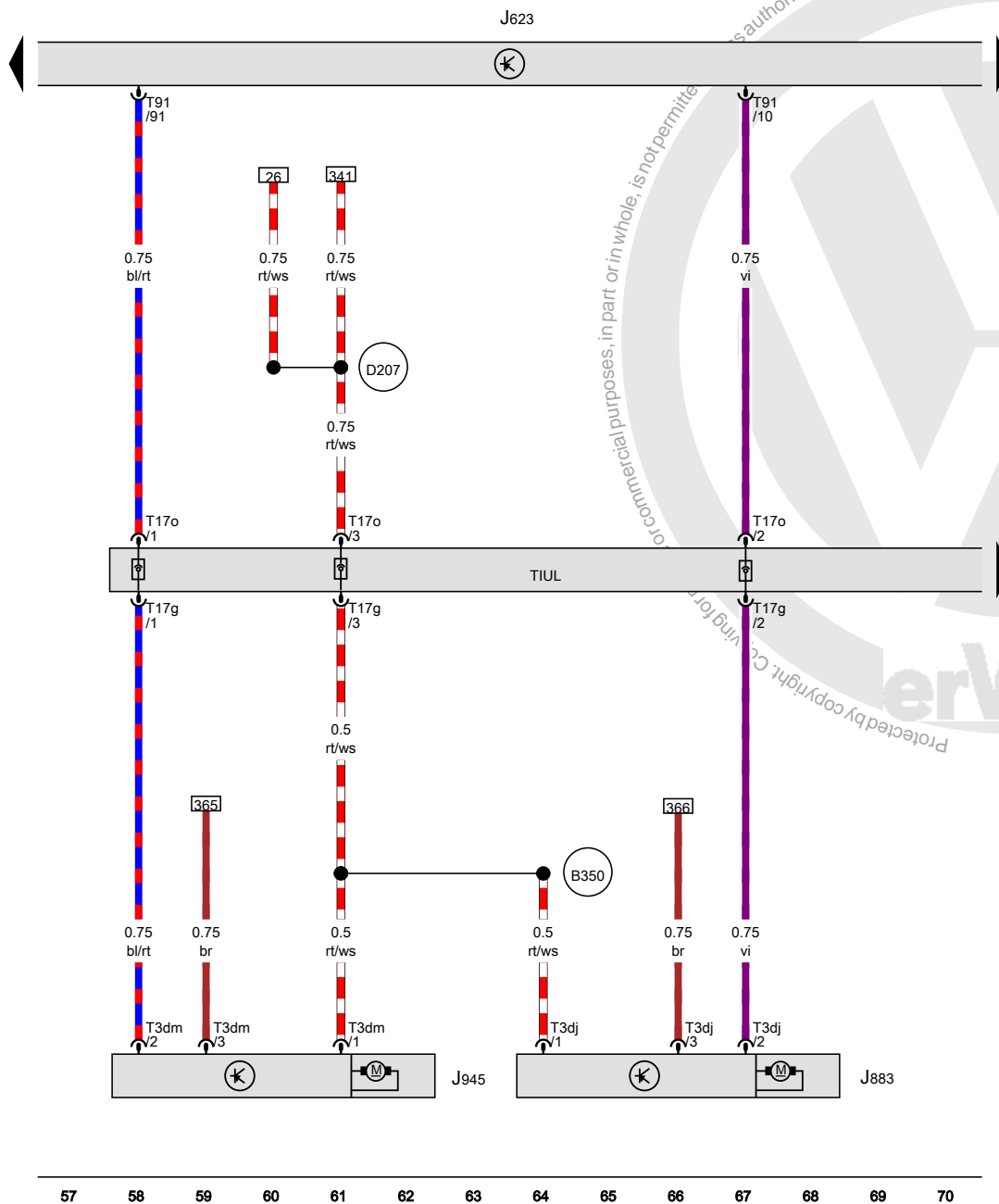
138 Earth connection (control unit), in Motronic wiring harness

671 Earth point 1, on front of left longitudinal member

E7 Connection (87a), in Motronic wiring harness



ws = white
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rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

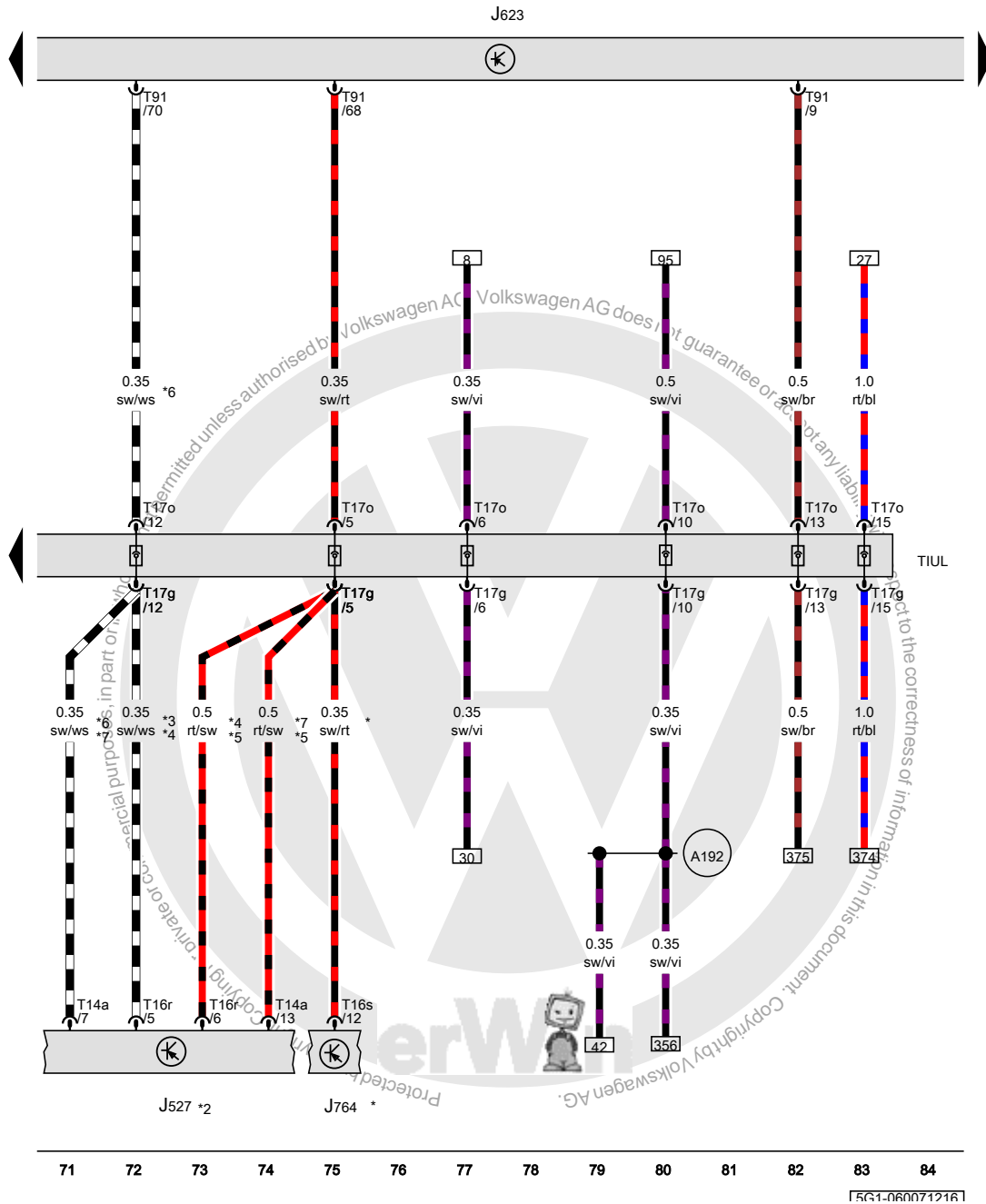


Engine control unit, Exhaust flap control unit, Exhaust flap control unit 2

- J623 Engine control unit
- J883 Exhaust flap control unit
- J945 Exhaust flap control unit 2
- T3dj 3-pin connector
- T3dm 3-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector
- TIUL Coupling point in interior, below left
- B350 Positive connection 1 (87a) in main wiring harness
- D207 Connection 7 (87a), in engine compartment wiring harness

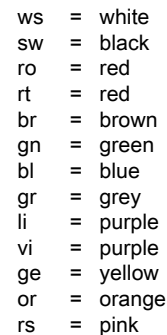
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 or = orange
 rs = pink

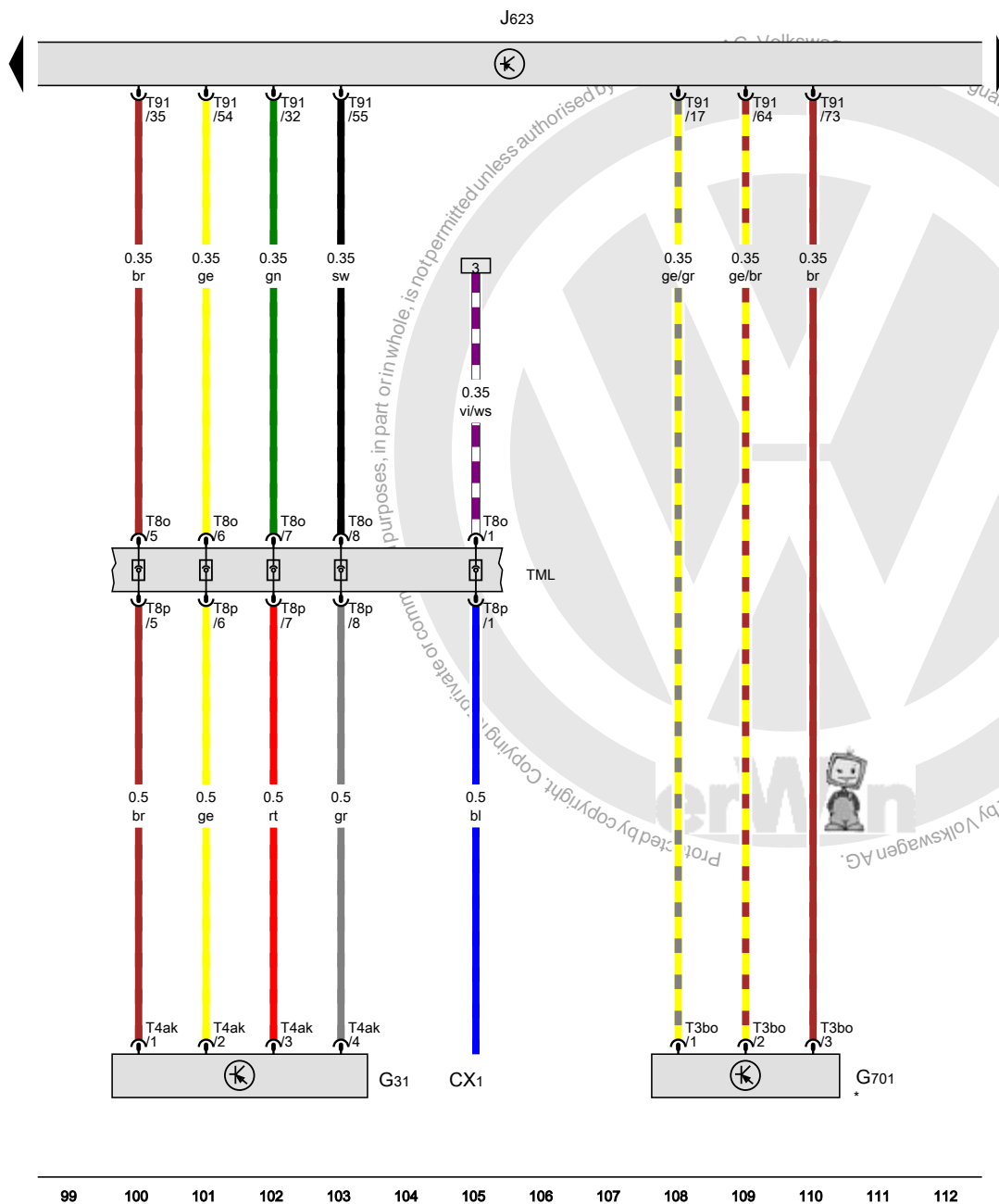
Steering column electronics control unit, Engine control unit,
Control unit for electronic steering column lock



- J527 Steering column electronics control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- * Only models with entry and start authorisation
- *2 see applicable current flow diagram
- *3 Only models with cruise control system
- *4 Only models with no heated steering wheel
- *5 Only models with no entry and start authorisation
- *6 Only models with cruise control system (CCS)
- *7 Only models with heated steering wheel

J104	ABS control unit
J623	Engine control unit
J757	Engine component current supply relay, in E-box in engine compartment
T46a	46-pin connector
T91	91-pin connector
D51	Positive connection 1 (15), in engine compartment wiring harness
D78	Positive connection 1 (30a), in engine compartment wiring harness
D214	Connection 8 (87a), in engine compartment wiring harness

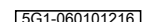




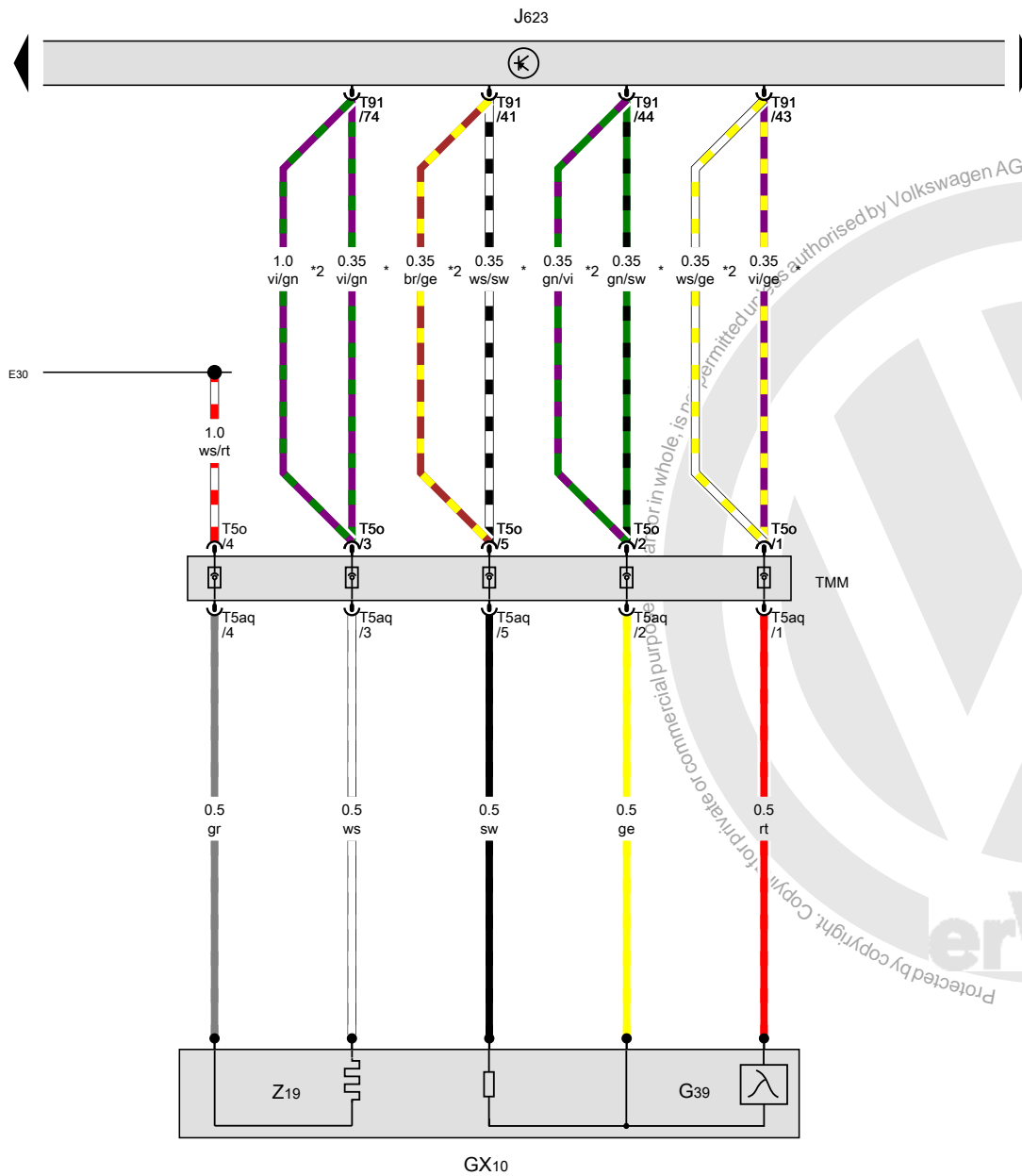
Alternator with voltage regulator, Charge pressure sender, Gearbox neutral position sender, Engine control unit

- CX1 Alternator with voltage regulator
- G31 Charge pressure sender
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T3bo 3-pin connector
- T4ak 4-pin connector
- T8o 8-pin connector, black
- T8p 8-pin connector, black
- T91 91-pin connector
- TML Coupling point in engine compartment, left
- * Only models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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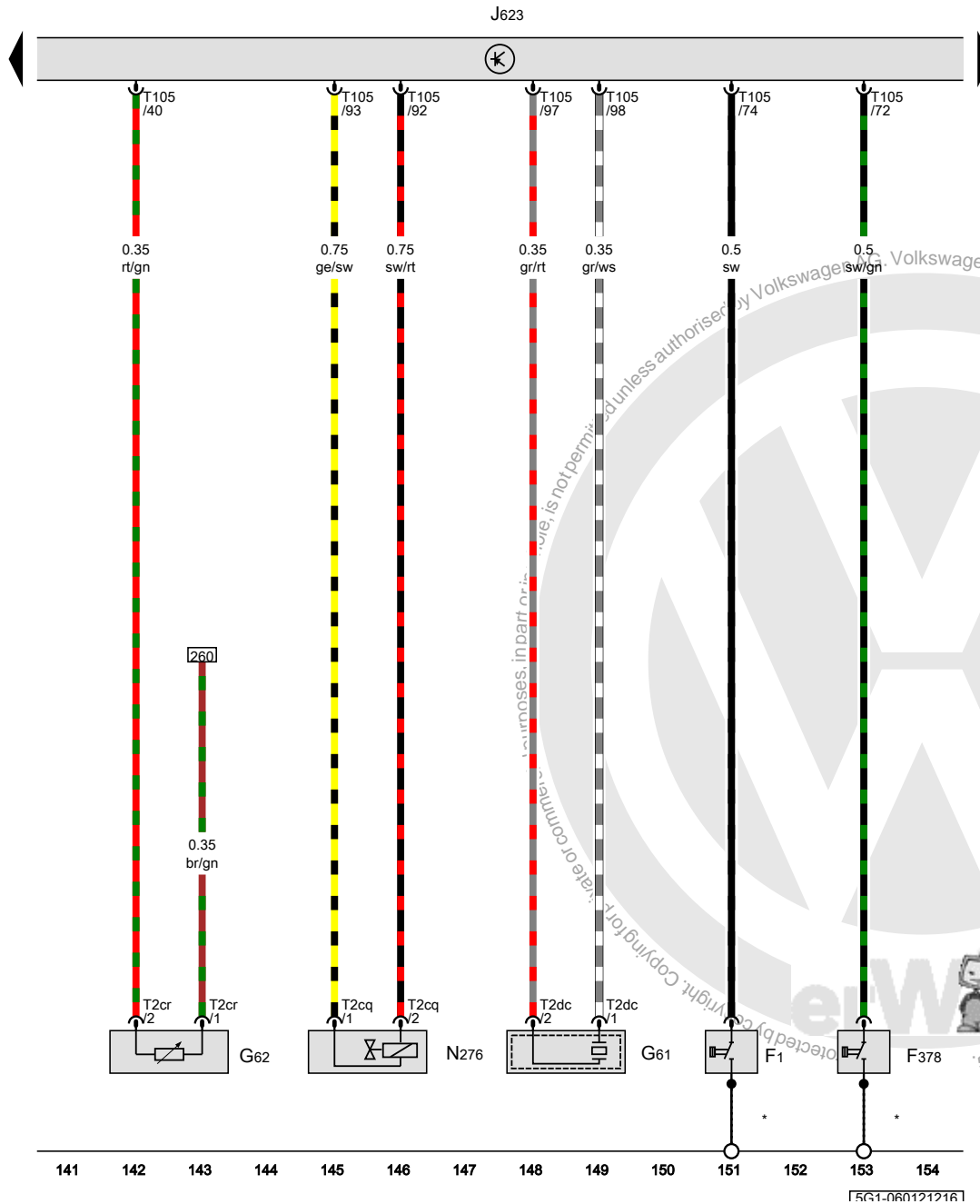


Lambda probe 1 before catalytic converter, Engine control unit



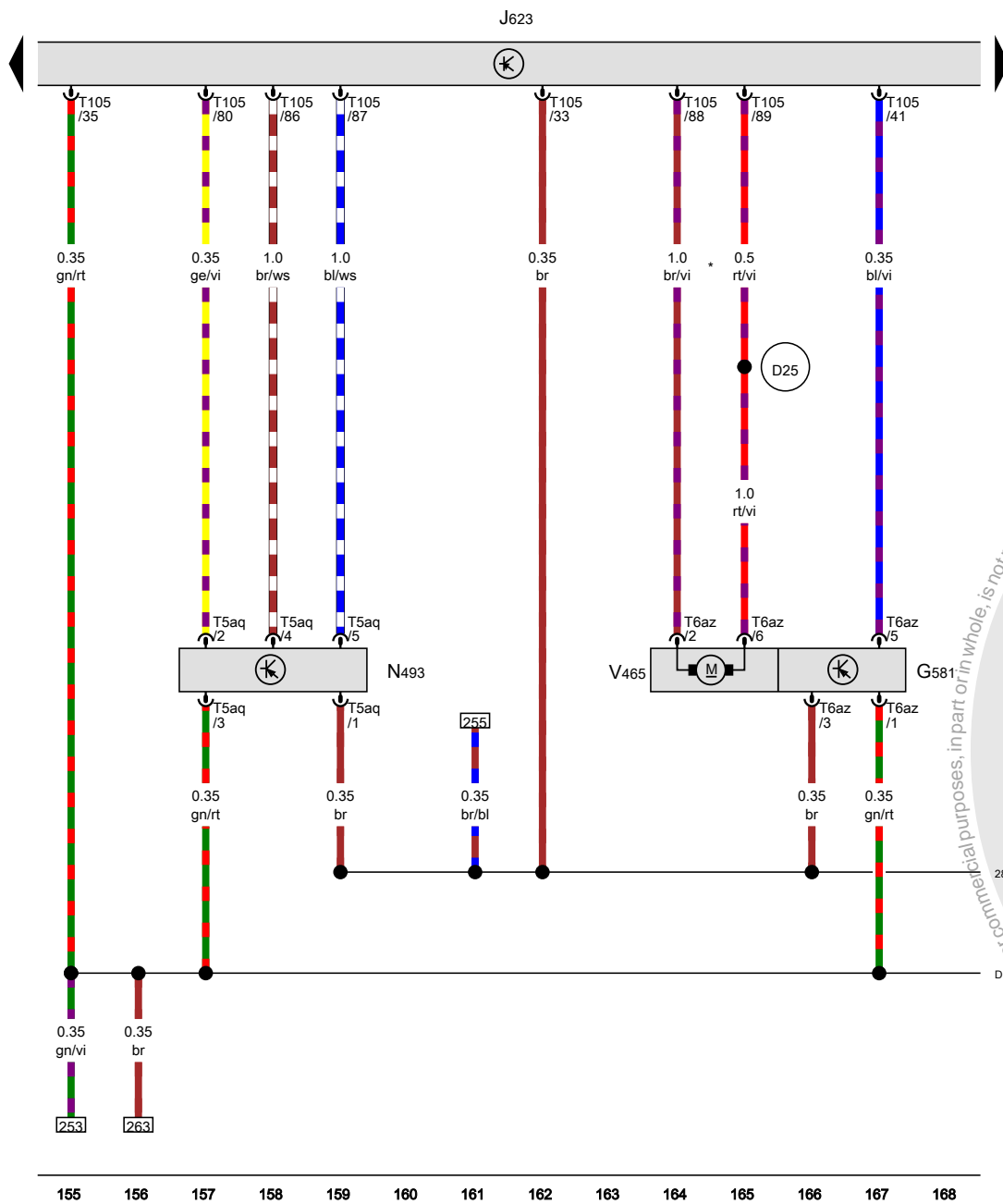
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T5aq 5-pin connector, grey
- T5o 5-pin connector
- T91 91-pin connector
- TMM Coupling point in engine compartment, centre, near brake fluid reservoir
- Z19 Lambda probe heater
- E30 Connection (87a), in engine wiring harness
- * Up to May 2015
- *2 From May 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Knock sensor 1, Coolant temperature sender, Engine control unit, Fuel pressure regulating valve

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- T2cq 2-pin connector
- T2cr 2-pin connector
- T2dc 2-pin connector
- T105 105-pin connector
- * Earth supply via housing

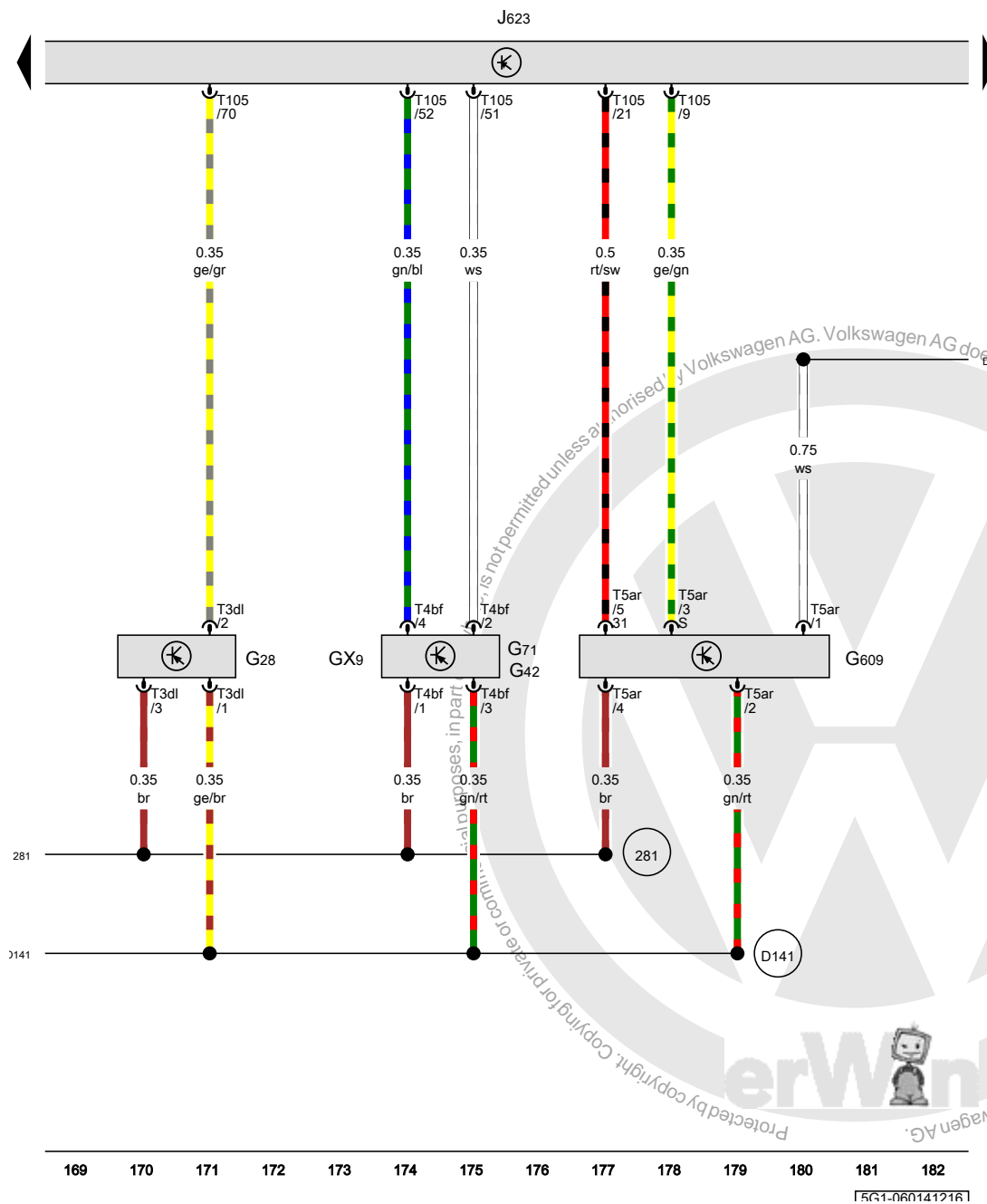


Position sender for charge pressure positioner, Engine control unit, Actuator for engine temperature regulation, Charge pressure positioner

- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N493 Actuator for engine temperature regulation
- T5aq 5-pin connector, grey
- T6az 6-pin connector
- T105 105-pin connector
- V465 Charge pressure positioner

- 281 Earth point 1, engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- * Only models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

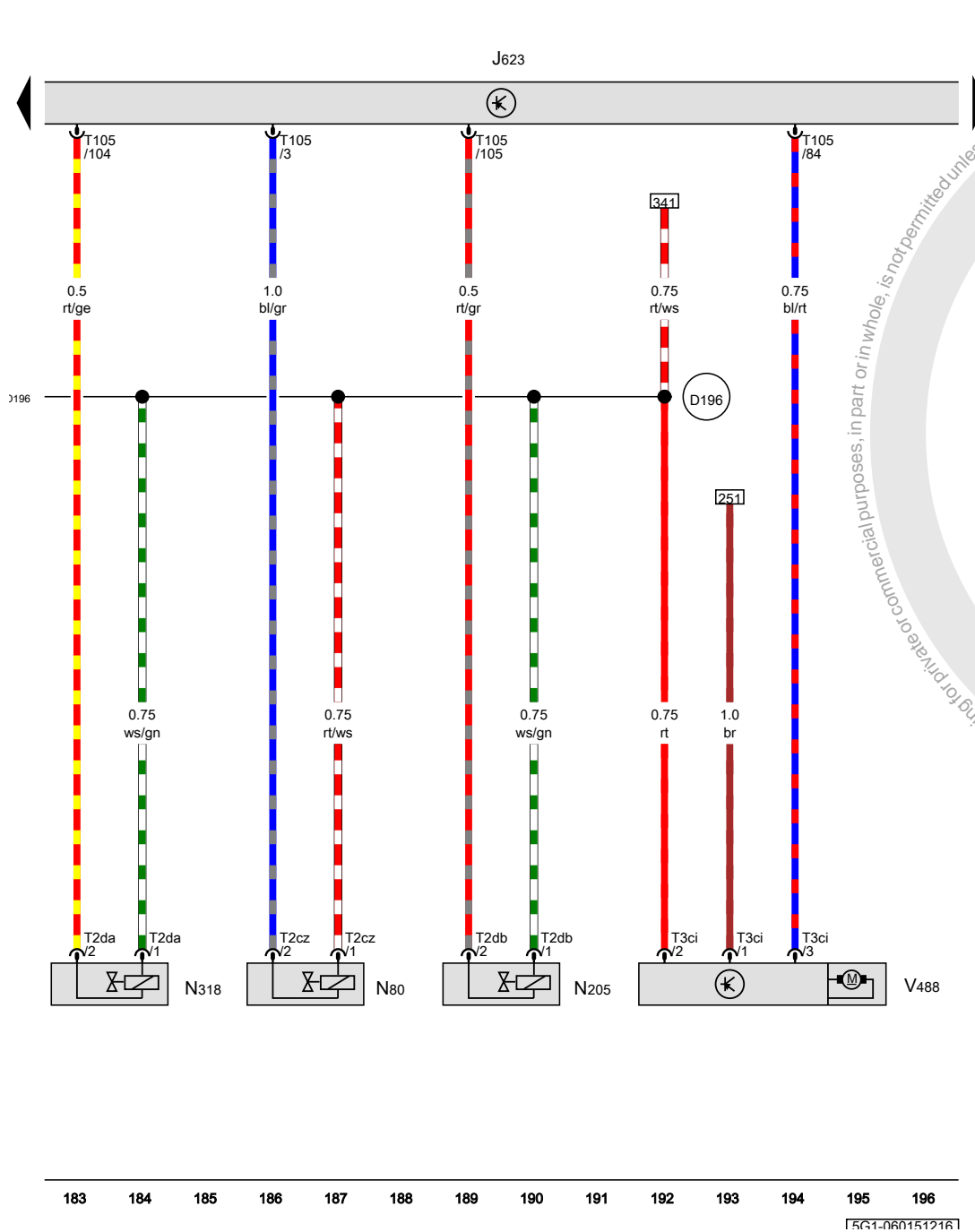


Intake manifold sender, Engine speed sender, Sender 1 for secondary air pressure, Engine control unit

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- T3dl 3-pin connector
- T4bf 4-pin connector
- T5ar 5-pin connector
- T105 105-pin connector

- (281) Earth point 1, engine prewiring harness
- (D141) Connection (5V) in engine prewiring harness
- (D196) Connection 2 (87a) in engine prewiring harness

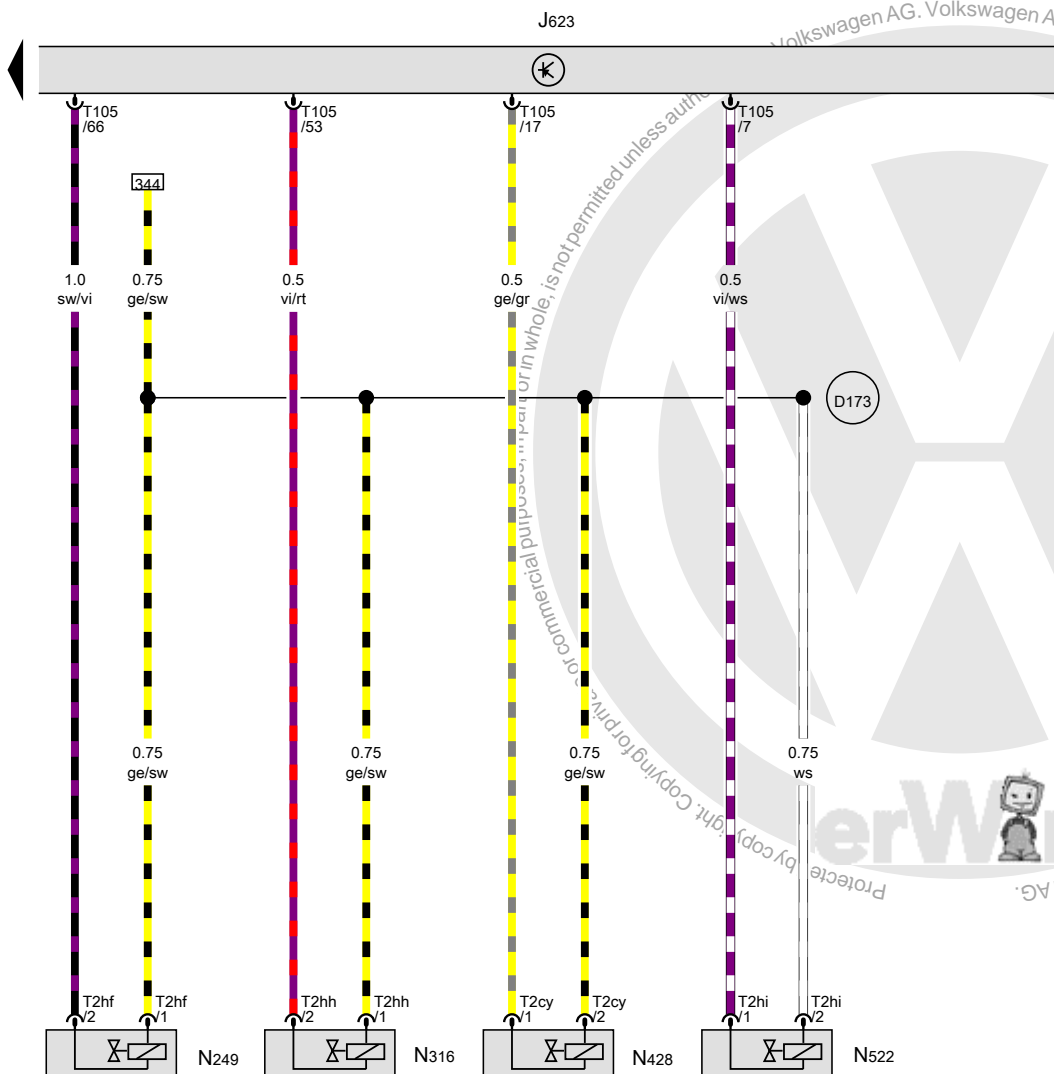
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- rs = pink



Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Auxiliary pump for heating

- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T3ci 3-pin connector
- T105 105-pin connector
- V488 Auxiliary pump for heating
- D196 Connection 2 (87a) in engine prewiring harness

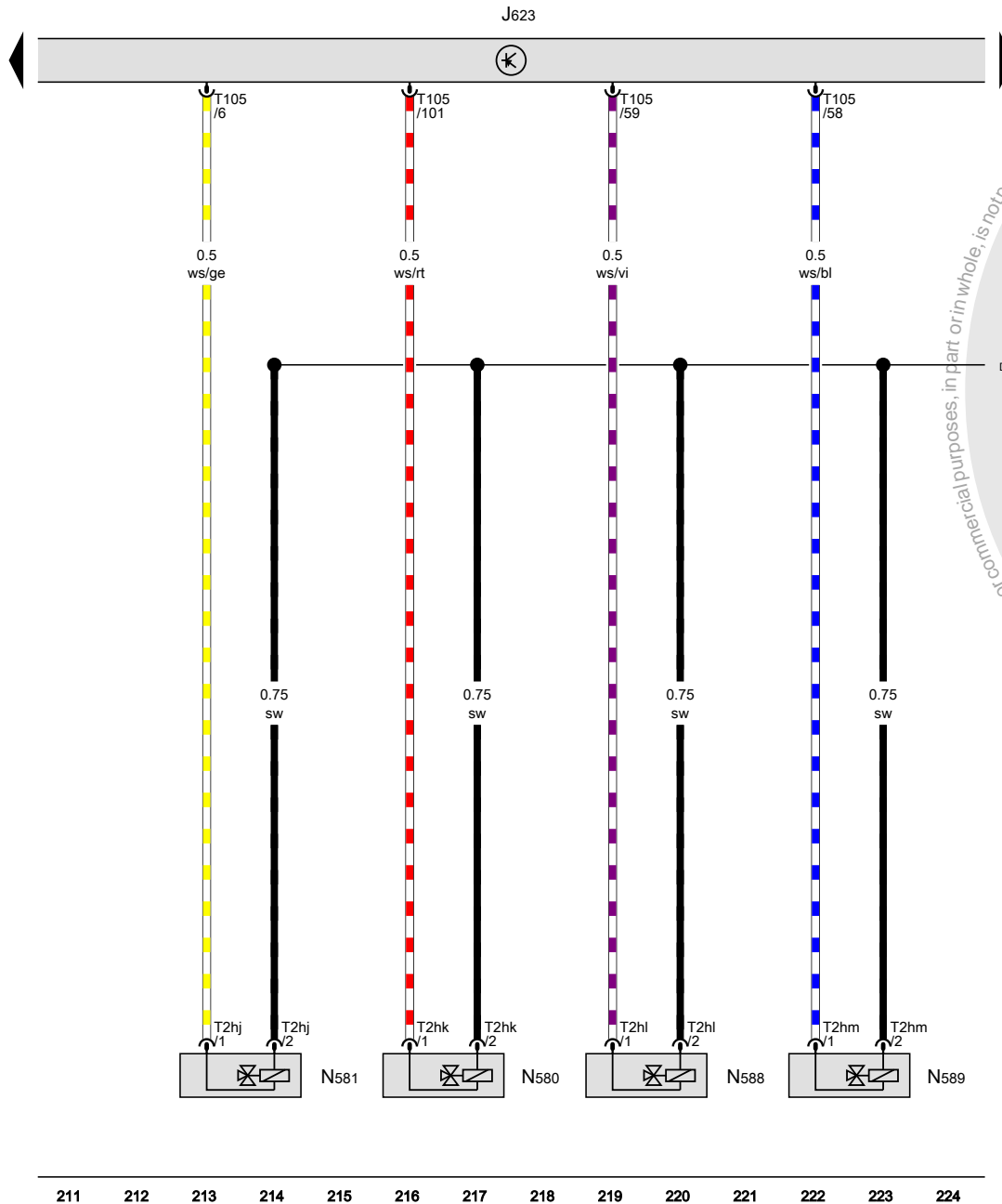
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Engine control unit, Turbocharger air recirculation valve,
Intake manifold flap valve, Valve for oil pressure control,
Piston cooling jet control valve

- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2cy 2-pin connector
- T2hf 2-pin connector
- T2hh 2-pin connector
- T2hi 2-pin connector
- T105 105-pin connector
- D173 Connection (87), in engine prewiring harness

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

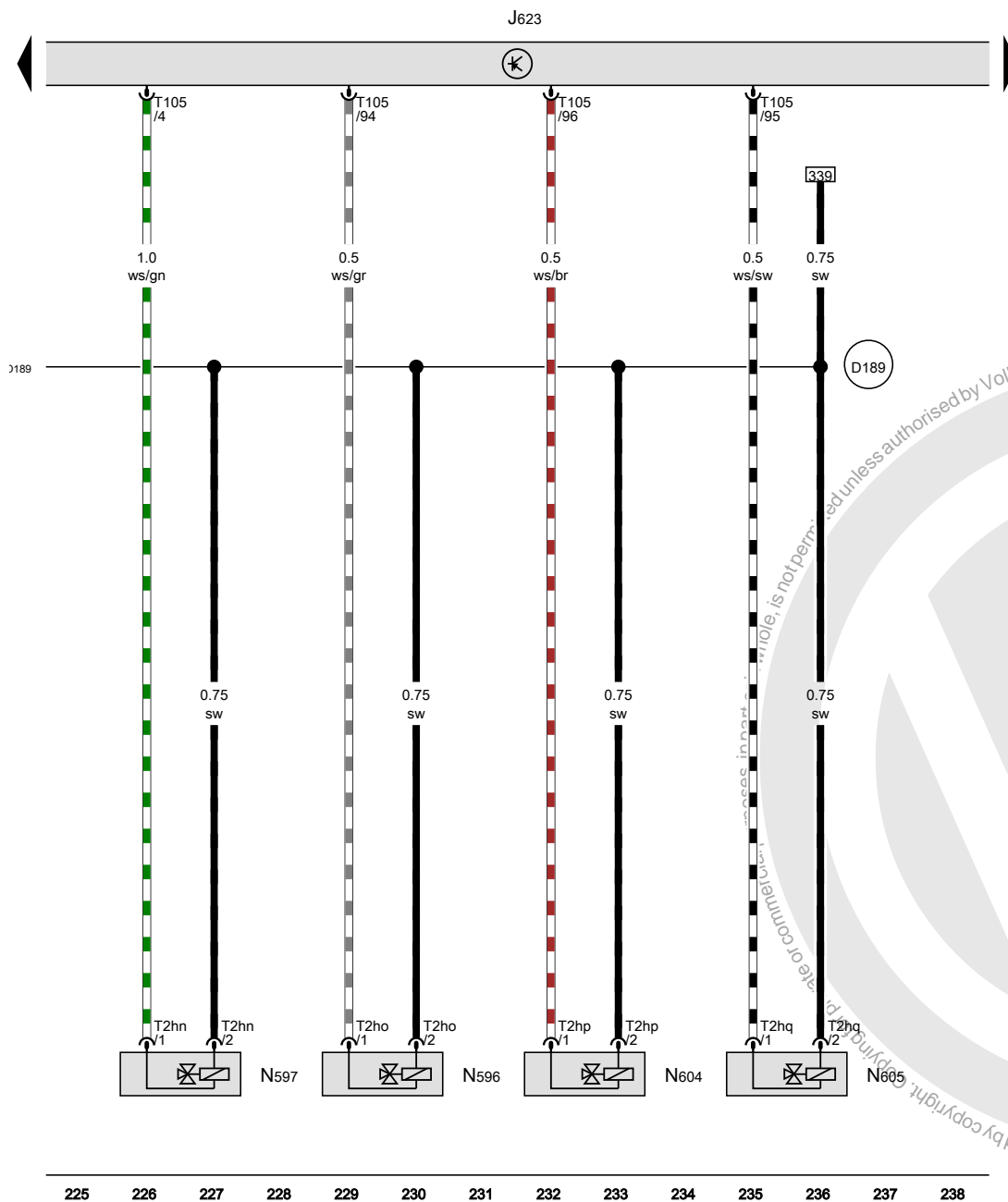


Engine control unit, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2, Exhaust cam actuator B for cylinder 2

- J623 Engine control unit
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- T2hj 2-pin connector, black
- T2hk 2-pin connector, black
- T2hl 2-pin connector, black
- T2hm 2-pin connector, black
- T105 105-pin connector
- D189 Connection (87a) in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

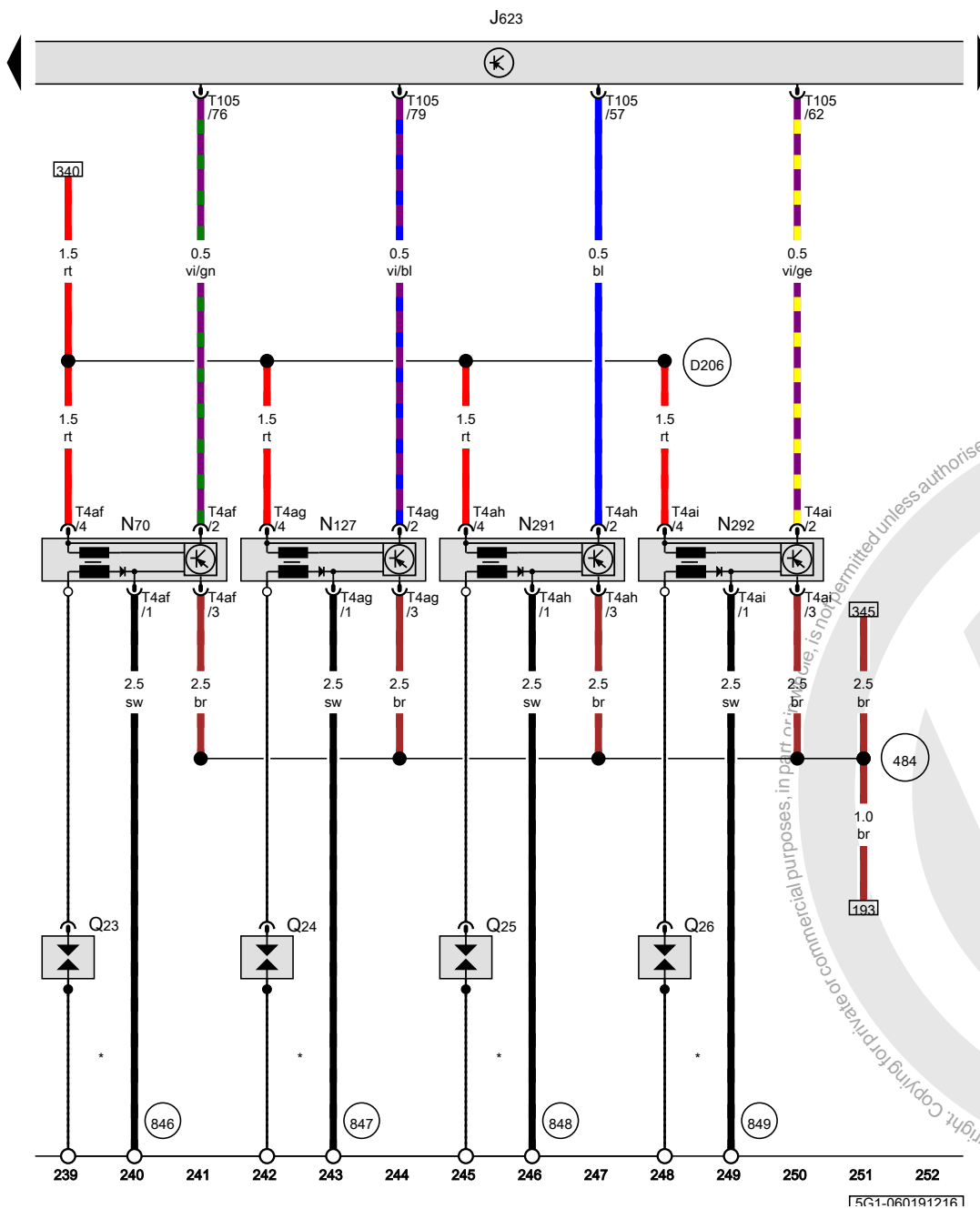
15G1-060171216



Engine control unit, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3, Exhaust cam actuator A for cylinder 4, Exhaust cam actuator B for cylinder 4

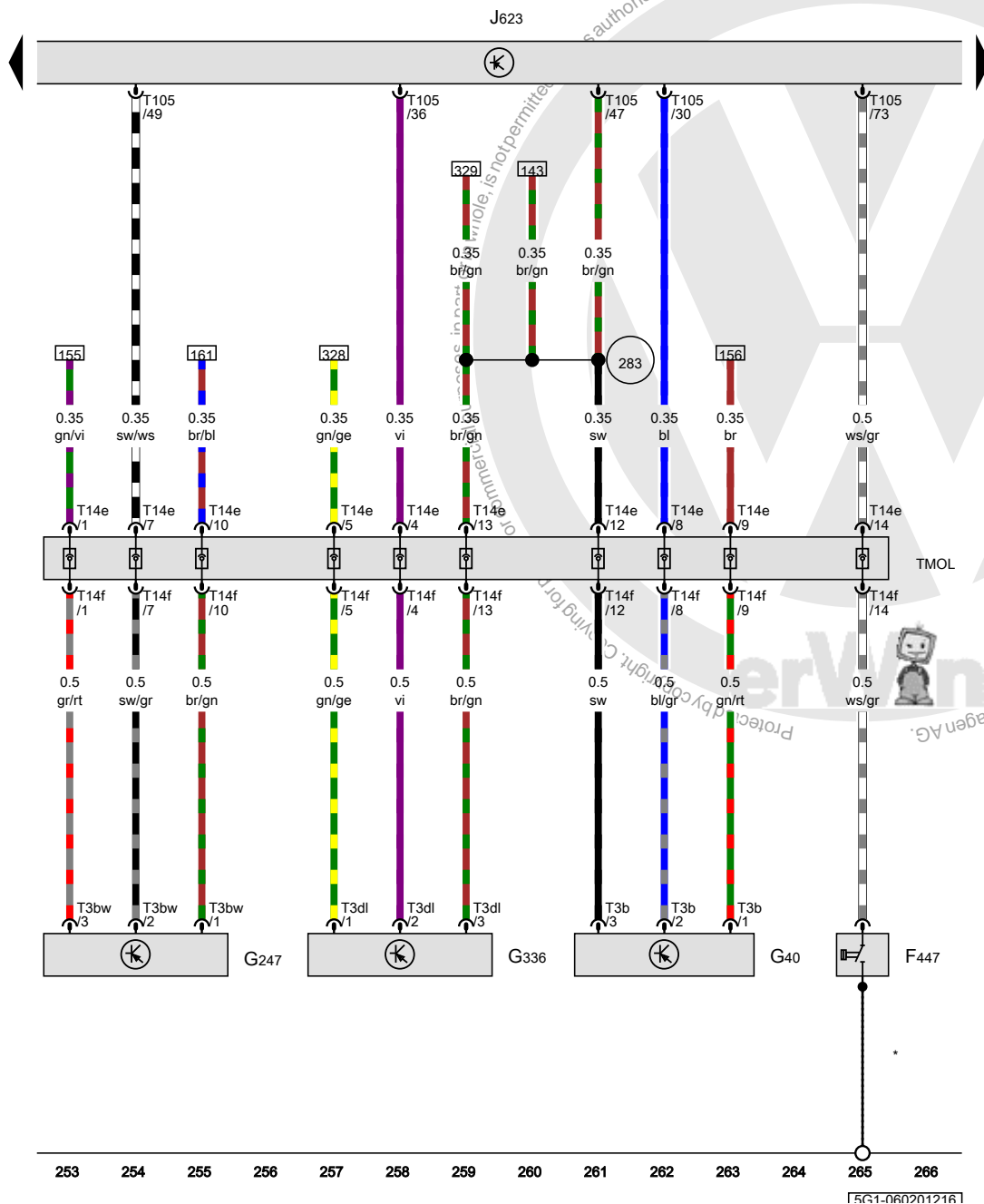
- J623 Engine control unit
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hn 2-pin connector, black
- T2ho 2-pin connector, black
- T2hp 2-pin connector, black
- T2hq 2-pin connector, black
- T105 105-pin connector
- D189 Connection (87a) in engine prewiring harness

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T105 105-pin connector
- 848 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1, on ignition coil
- 847 Earth point on ignition coil 2, on ignition coil
- 848 Earth point on ignition coil 3, on ignition coil
- 849 Earth point on ignition coil 4, on ignition coil
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing



Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

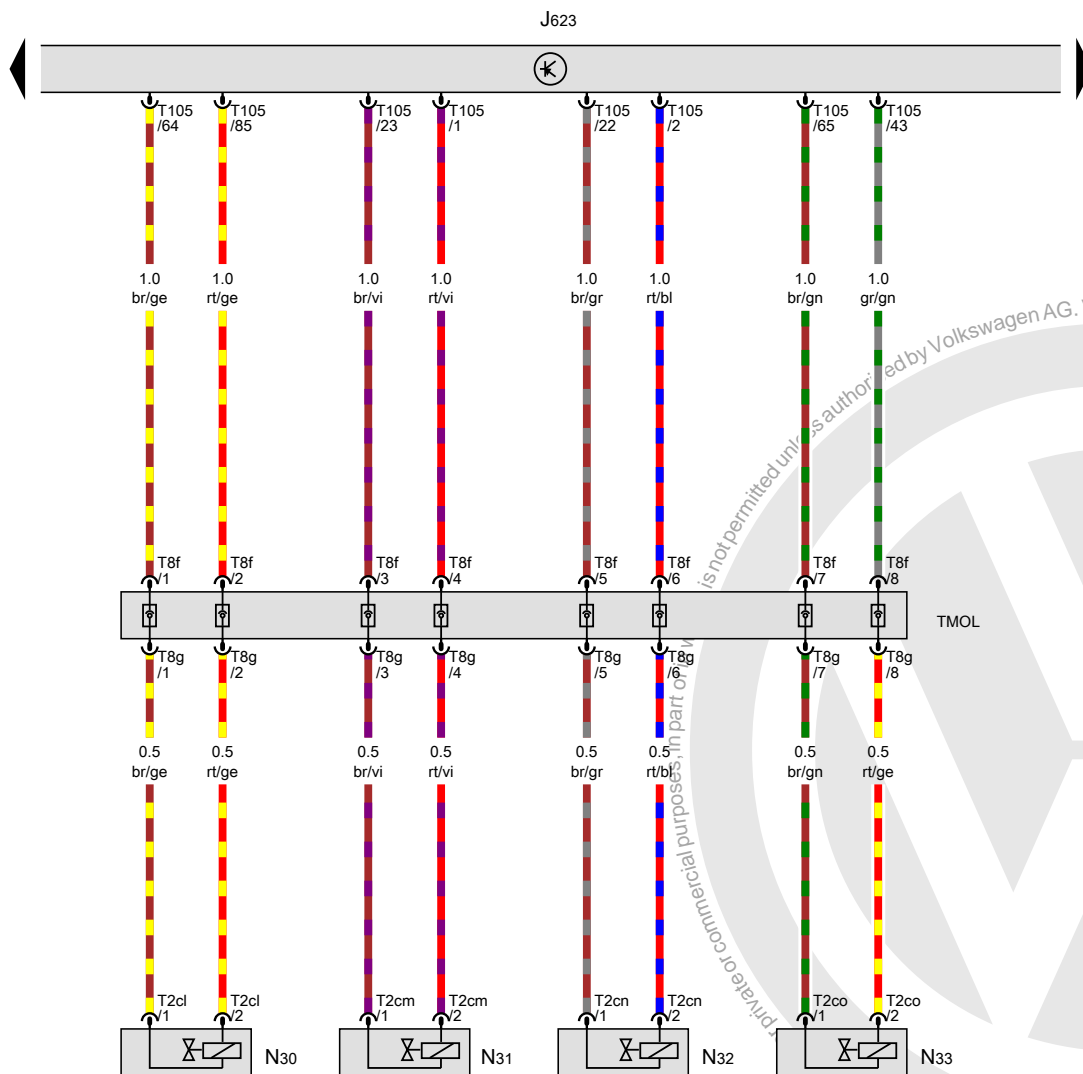
- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3dl 3-pin connector
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector
- TMOL Coupling point on engine, top left

283 Earth point 2, engine prewiring harness

* Earth supply via housing

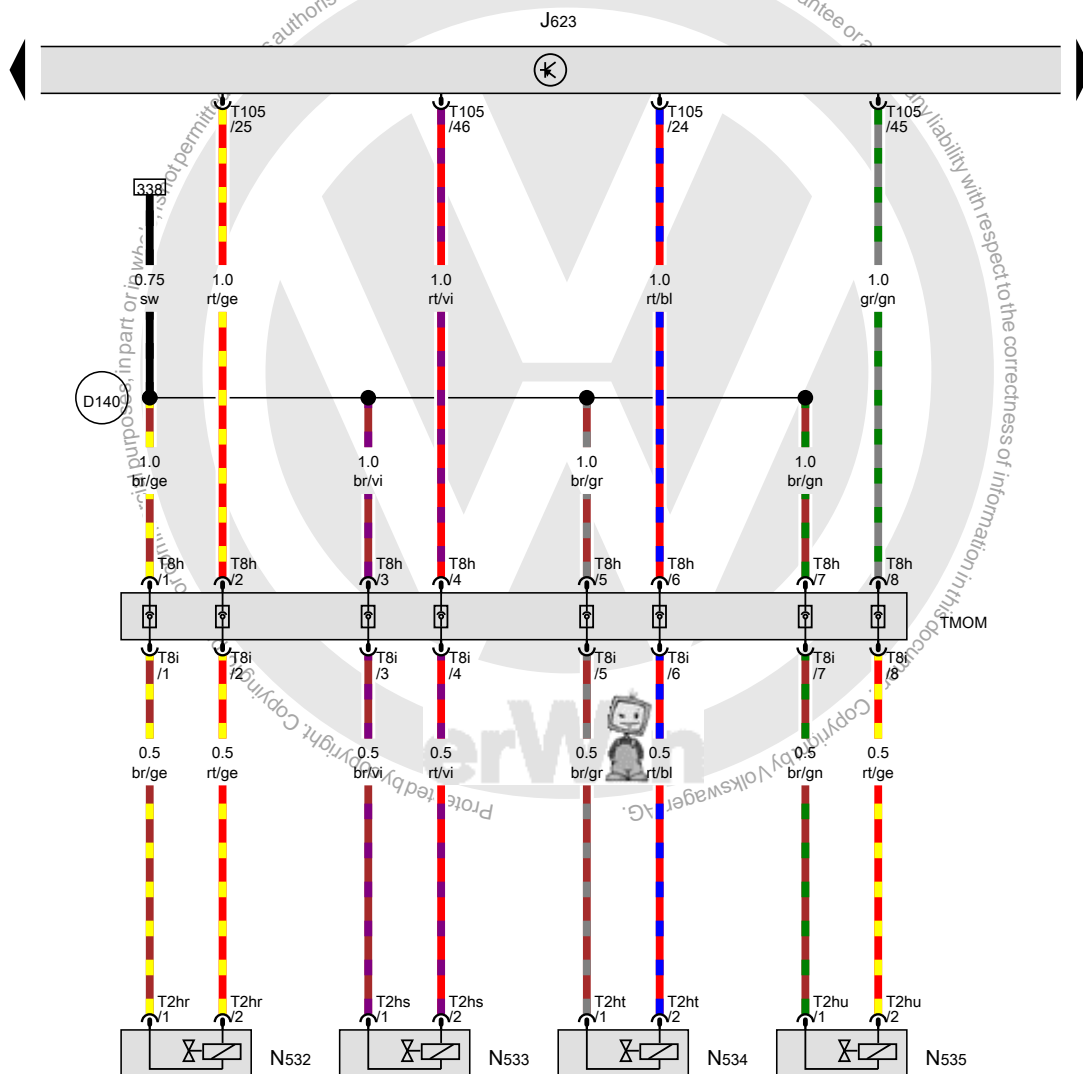
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2,
Injector, cylinder 3, Injector, cylinder 4



- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector
- TMOL Coupling point on engine, top left

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

- J623 Engine control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2hr 2-pin connector
- T2hs 2-pin connector
- T2ht 2-pin connector
- T2hu 2-pin connector
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- T105 105-pin connector
- TMOM Coupling point on engine, top centre
- D140 Connection (injectors), in engine prewiring harness

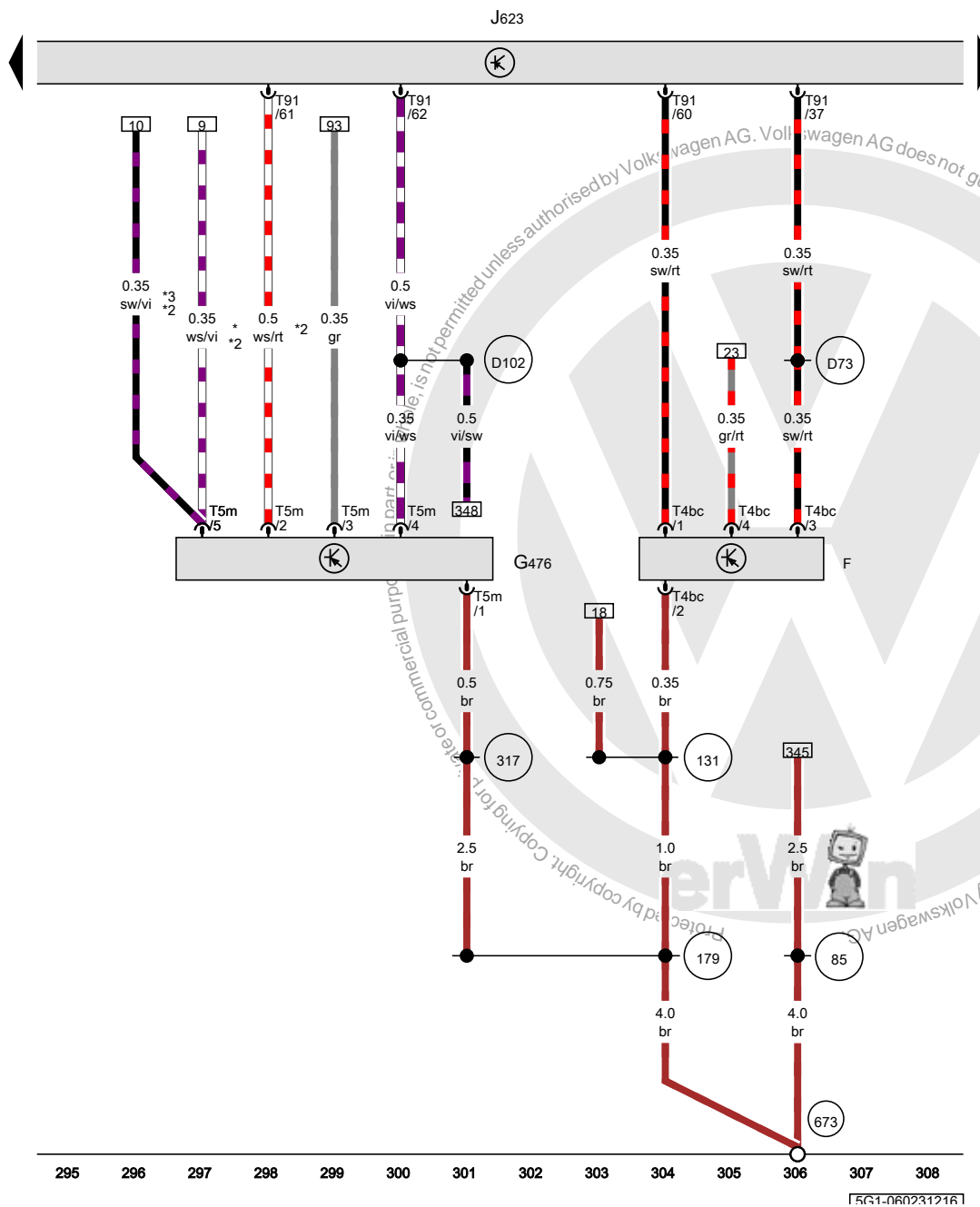
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Brake light switch, Clutch position sender, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J623 Engine control unit
- T4bc 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector

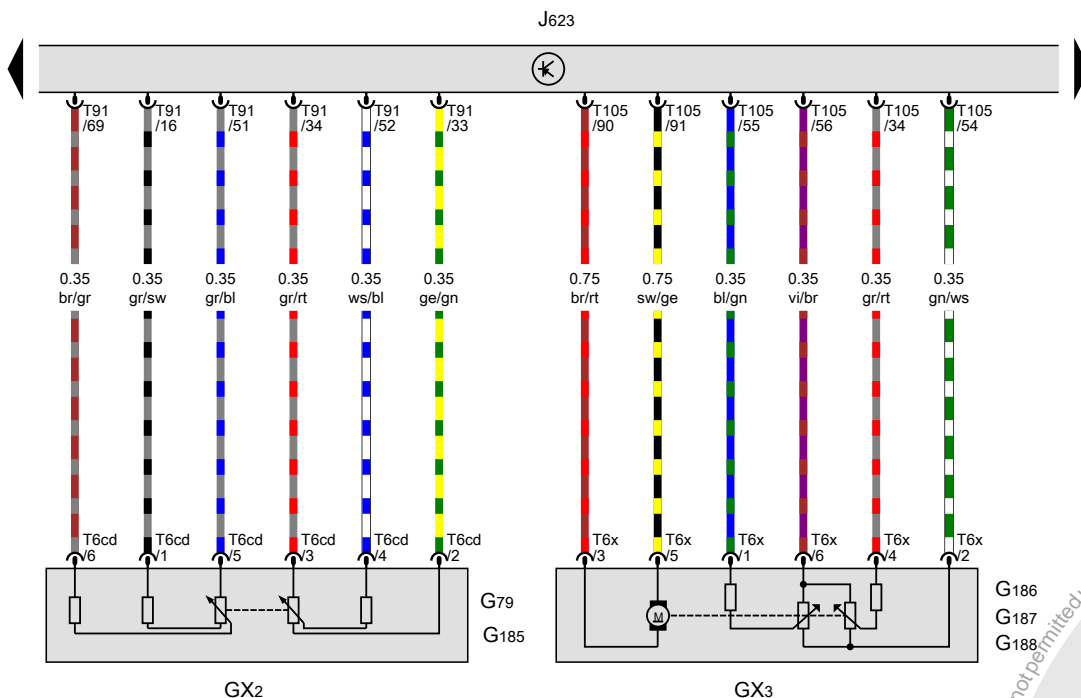
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Up to May 2014
- *2 Only models with manual gearbox
- *3 From May 2014

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

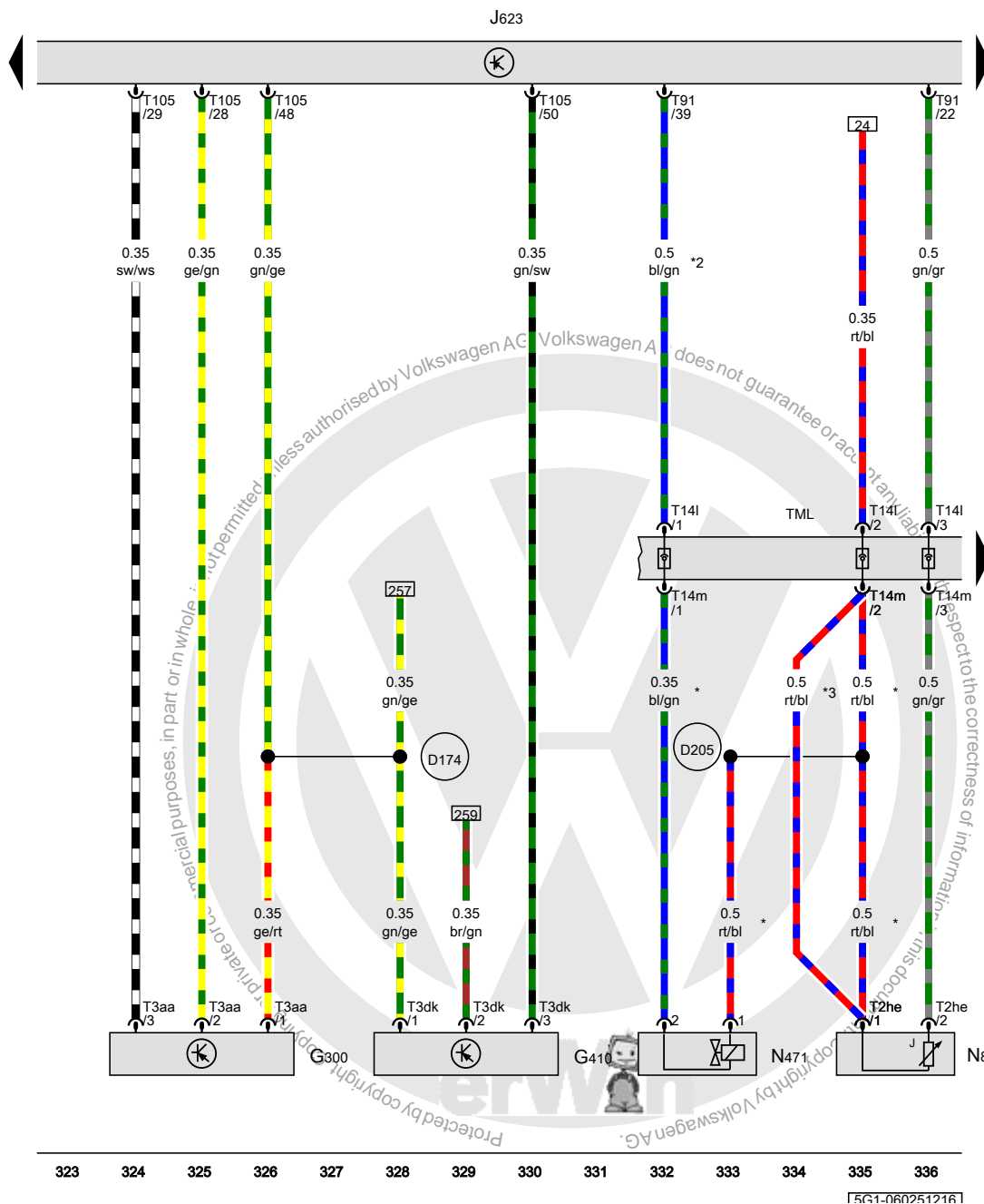


Accelerator pedal module, Throttle valve module, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine control unit
- T6cd 6-pin connector
- T6x 6-pin connector
- T91 91-pin connector
- T105 105-pin connector



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Hall sender 3, Fuel pressure sender for low pressure, Engine control unit, Coolant shut-off valve, Cooling oil valve

- G300 Hall sender 3
- G410 Fuel pressure sender for low pressure
- J623 Engine control unit
- N82 Coolant shut-off valve
- N471 Cooling oil valve
- T2he 2-pin connector, black
- T3aa 3-pin connector
- T3dk 3-pin connector
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector
- T105 105-pin connector
- TML Coupling point in engine compartment, left
- D174 Connection 2 (5V) in engine prewiring harness
- D205 Connection 3 (87a) in engine prewiring harness
- * Only models with dual clutch gearbox (DSG)
- *2 Only models with automatic gearbox
- *3 Only models with manual gearbox

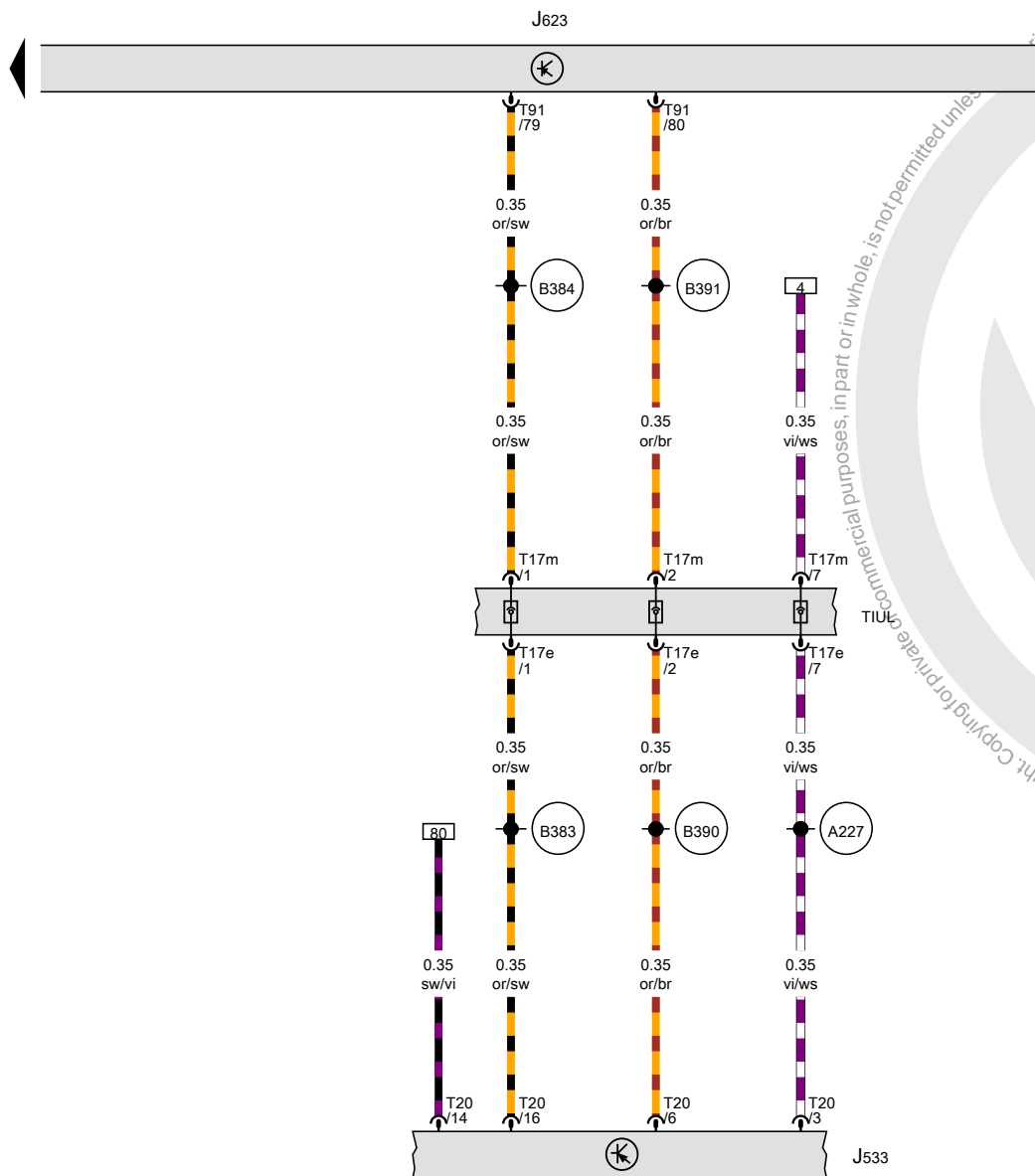
ws = white
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J623	Engine control unit
J743	Mechatronic unit for dual clutch gearbox
T14l	14-pin connector, grey
T14m	14-pin connector, grey
T20e	20-pin connector
T105	105-pin connector
TML	Coupling point in engine compartment, left
*	Only models with automatic gearbox

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Data bus diagnostic interface, Engine control unit



- J533 Data bus diagnostic interface
- J623 Engine control unit
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T91 91-pin connector
- TIUL Coupling point in interior, below left
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

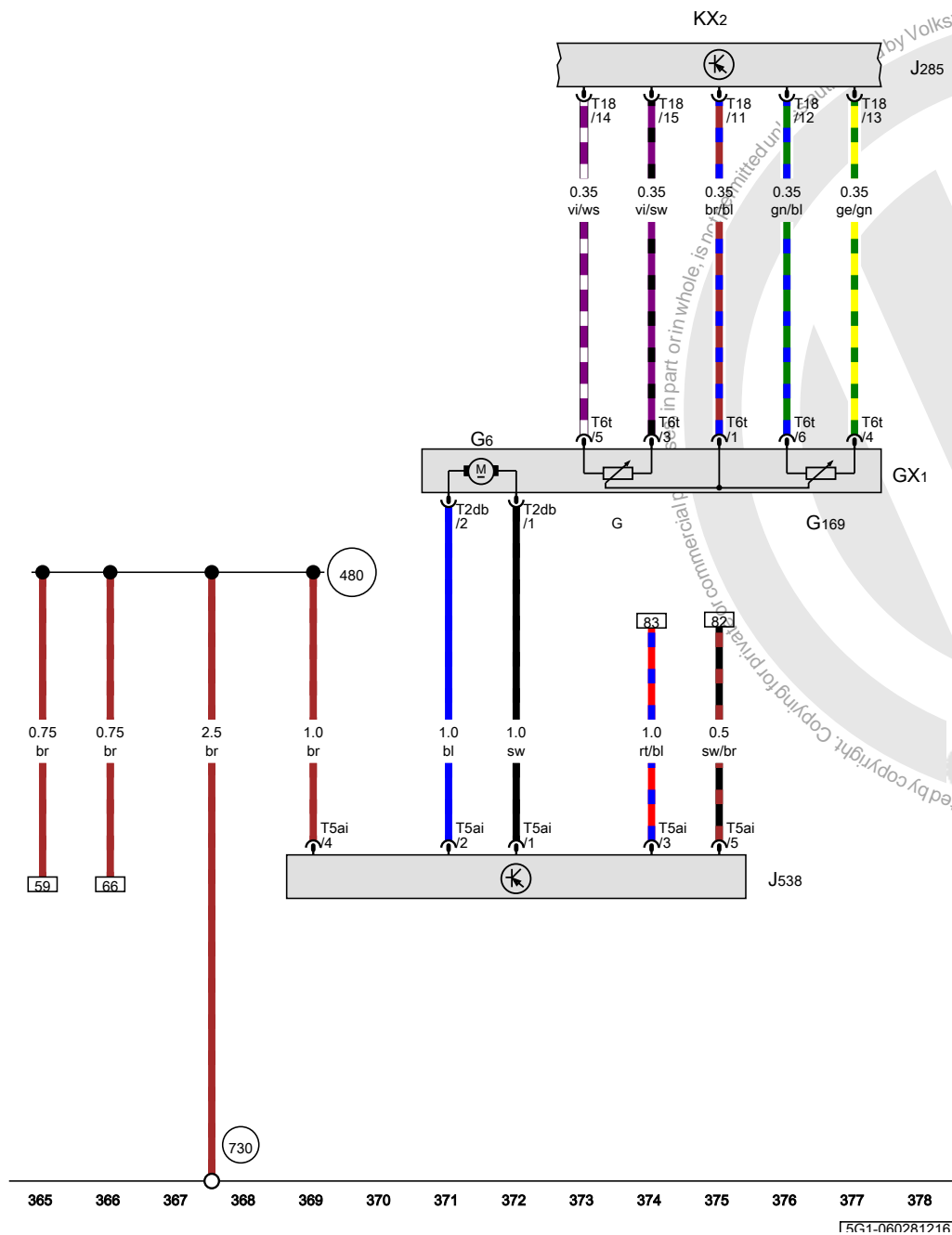
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351 352 353 354 355 356 357 358 359 360 361 362 363 364

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Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T2db 2-pin connector
- T5ai 5-pin connector
- T6t 6-pin connector
- T18 18-pin connector
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing

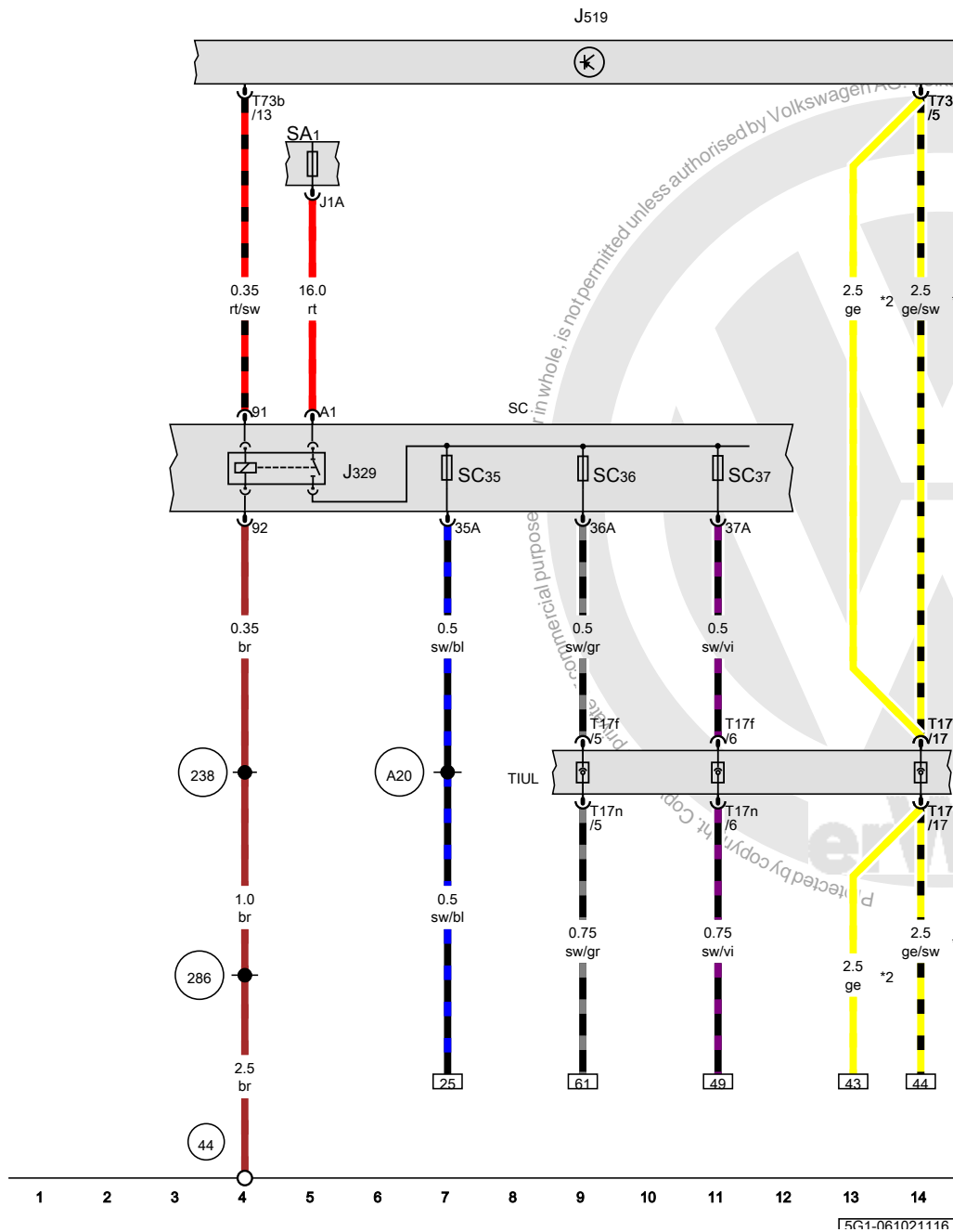


Gas discharge headlights (bi-xenon) with automatic headlight range control, cornering light, LED daytime running lights , (A9R)

From November 2013



Terminal 15 voltage supply relay, Onboard supply control unit, Fuse 1 on fuse holder A, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T73 73-pin connector, black
- T73b 73-pin connector, black
- TIUL Coupling point in interior, below left

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A20 Positive connection (15a), in dash panel wiring harness
- * Up to May 2015
- *2 From May 2015

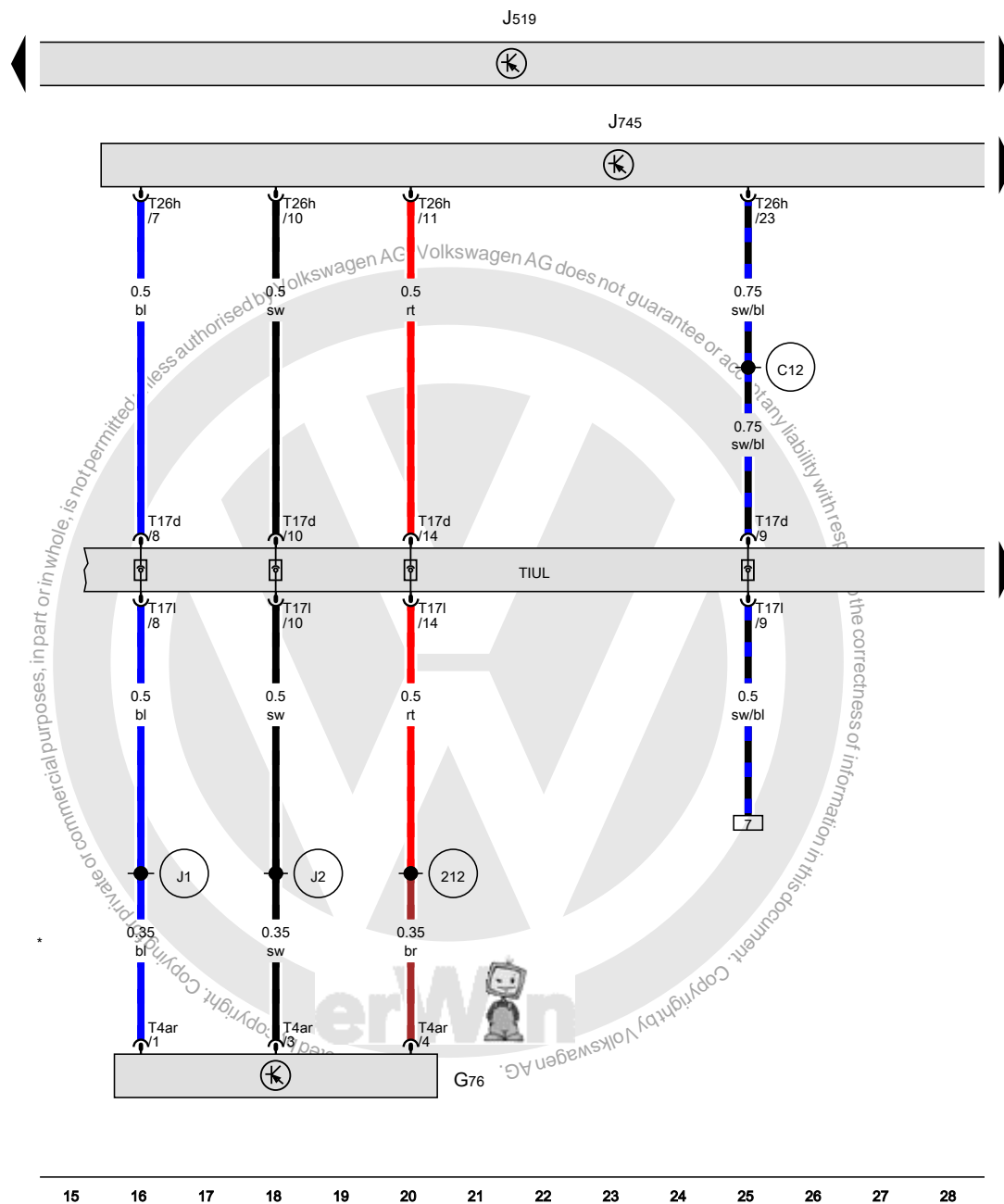
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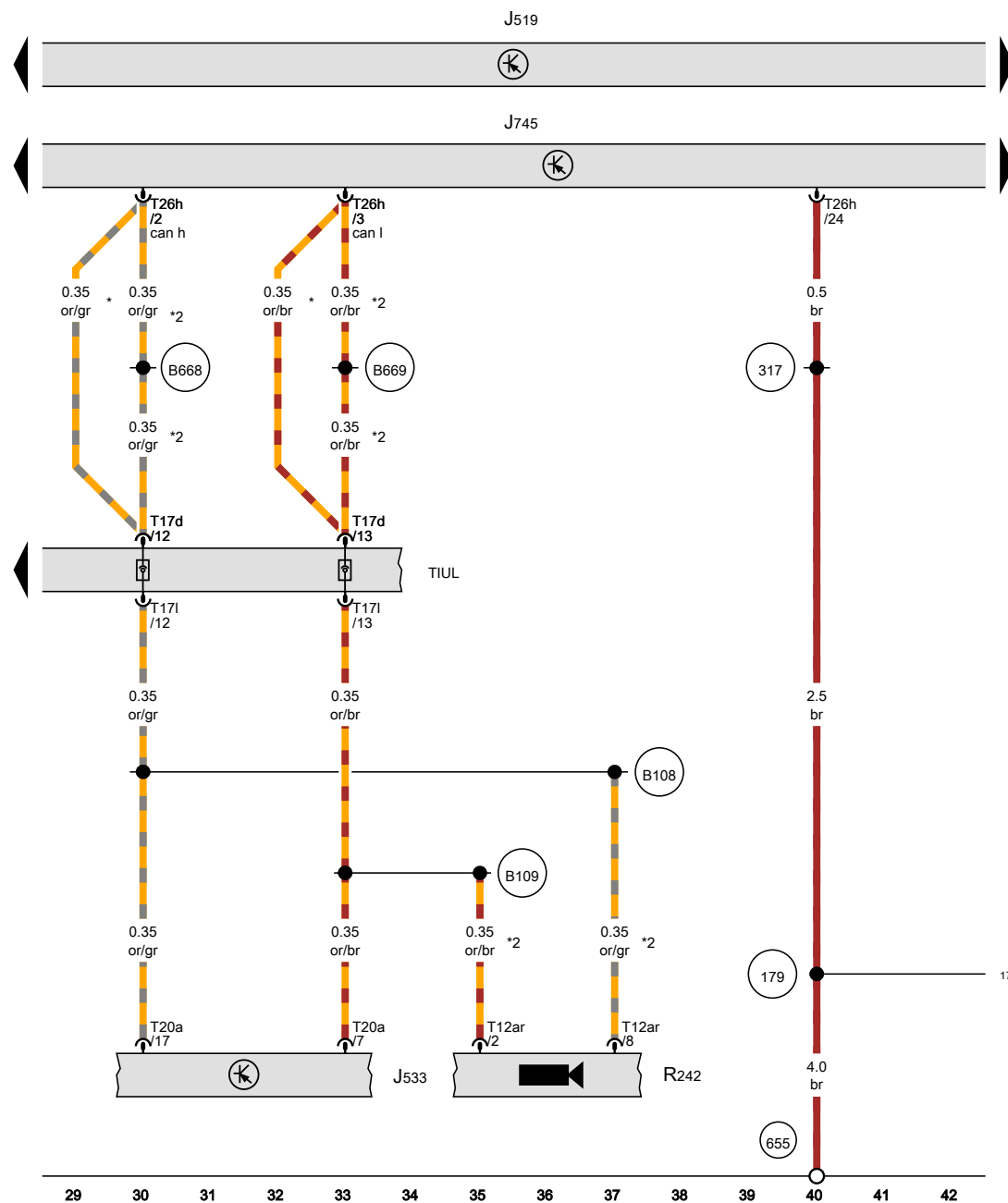
Rear left vehicle level sender, Onboard supply control unit,
Control unit for cornering light and headlight range control

- G76 Rear left vehicle level sender
- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- T4ar 4-pin connector
- T17d 17-pin connector, black
- T17l 17-pin connector, black
- T26h 26-pin connector
- TIUL Coupling point in interior, below left

- (212) Earth connection 2, in ABS wiring harness
- (C12) Positive connection 1, in headlight wiring harness
- (J1) Positive connection (30), in ABS wiring harness
- (J2) Positive connection (15), in ABS wiring harness

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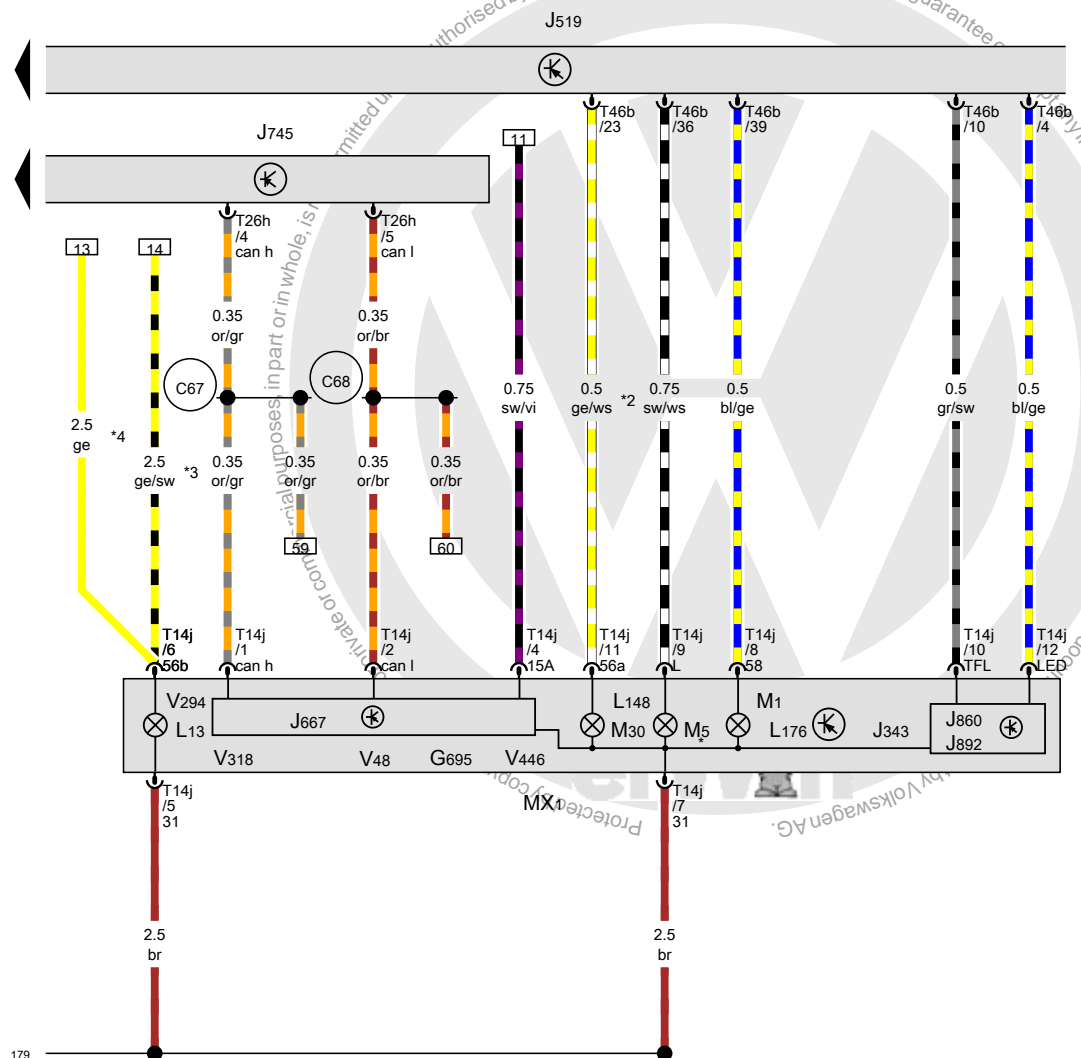


Onboard supply control unit, Data bus diagnostic interface, Control unit for cornering light and headlight range control, Front camera for driver assist systems

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J745 Control unit for cornering light and headlight range control
- R242 Front camera for driver assist systems
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T20a 20-pin connector
- T26h 26-pin connector
- TIUL Coupling point in interior, below left
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness
- * According to equipment
- *2 Only models with main beam assist

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 bl = blue
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 ge = yellow
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15G1-061041116

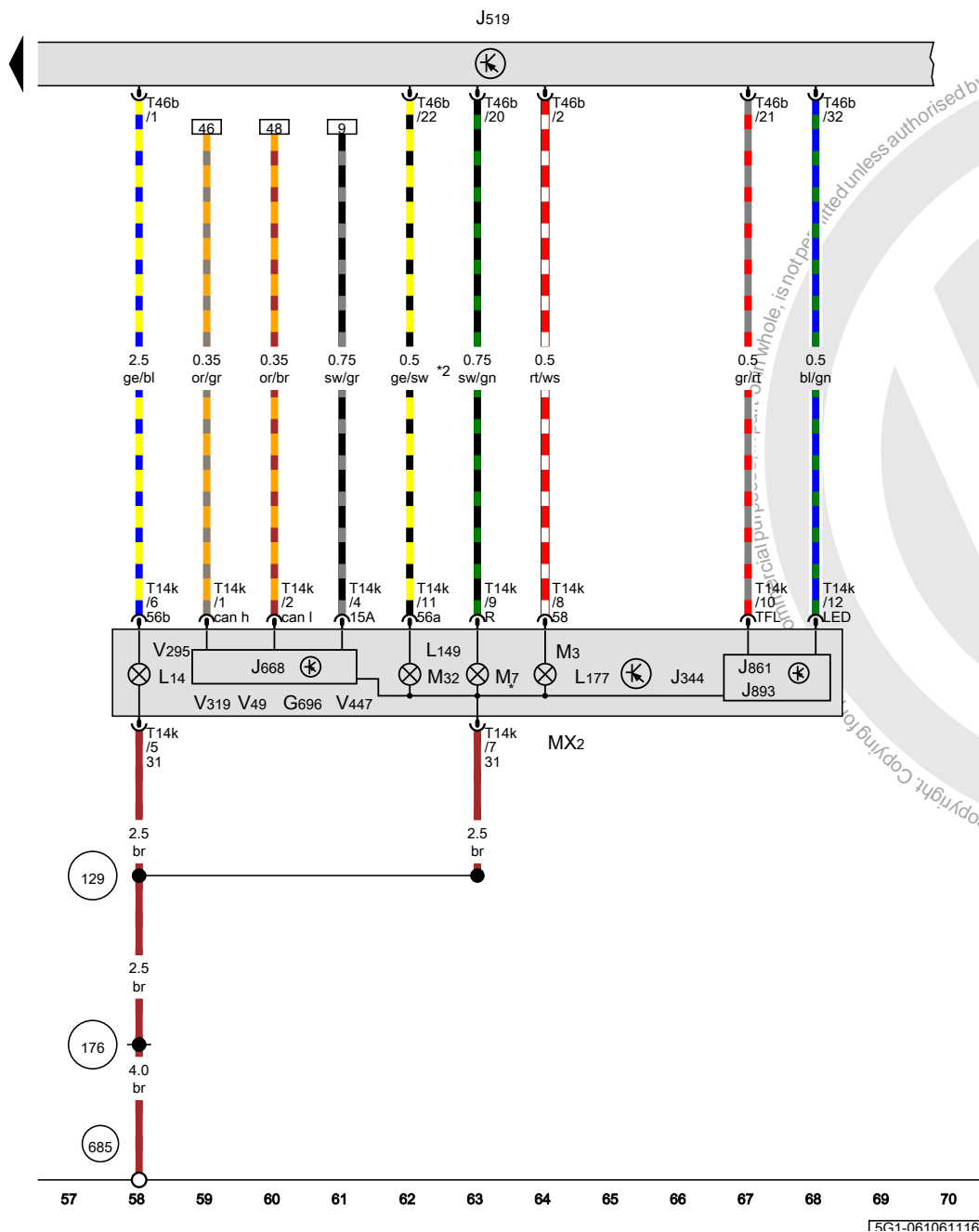


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Control motor sender for left VARILIS headlight, Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Control unit for cornering light and headlight range control, Control unit for left daytime running light and side light, Output module 2 for left headlight, Left gas discharge (xenon) bulb, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Left headlight range control motor, Left dynamic cornering light control motor, Control motor for left VARILIS headlight

- G695 Control motor sender for left VARILIS headlight
- J343 Left gas discharge bulb control unit
- J519 Onboard supply control unit
- J667 Output module for left headlight
- J745 Control unit for cornering light and headlight range control
- J860 Control unit for left daytime running light and side light
- J892 Output module 2 for left headlight, on left headlight
- L13 Left gas discharge (xenon) bulb
- L148 Left cornering light bulb
- L176 Left LED module for daytime running light and side light
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M30 Left headlight main beam bulb
- T14j 14-pin connector, black
- T26h 26-pin connector
- T46b 46-pin connector, black
- V48 Left headlight range control motor
- V294 Left dip beam screen motor
- V318 Left dynamic cornering light control motor
- V446 Control motor for left VARILIS headlight

- 179 Earth connection, in left headlight wiring harness
- C67 Connection (CAN bus, high), in headlight wiring harness
- C68 Connection (CAN bus, low), in headlight wiring harness
- * Also as LED version
- *2 According to equipment
- *3 Up to May 2015
- *4 From May 2015



Control motor sender for right VARILIS headlight, Right gas discharge bulb control unit, Onboard supply control unit, Output module for right headlight, Control unit for right daytime running light and side light, Output module 2 for right headlight, Right gas discharge (xenon) bulb, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Right headlight range control motor, Right dynamic cornering light control motor, Control motor for right VARILIS headlight

- G696 Control motor sender for right VARILIS headlight
- J344 Right gas discharge bulb control unit
- J519 Onboard supply control unit
- J668 Output module for right headlight
- J861 Control unit for right daytime running light and side light
- J893 Output module 2 for right headlight, on right headlight
- L14 Right gas discharge (xenon) bulb
- L149 Right cornering light bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M32 Right headlight main beam bulb
- T14k 14-pin connector, black
- T46b 46-pin connector, black
- V49 Right headlight range control motor
- V295 Right dip beam screen motor
- V319 Right dynamic cornering light control motor
- V447 Control motor for right VARILIS headlight

- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member

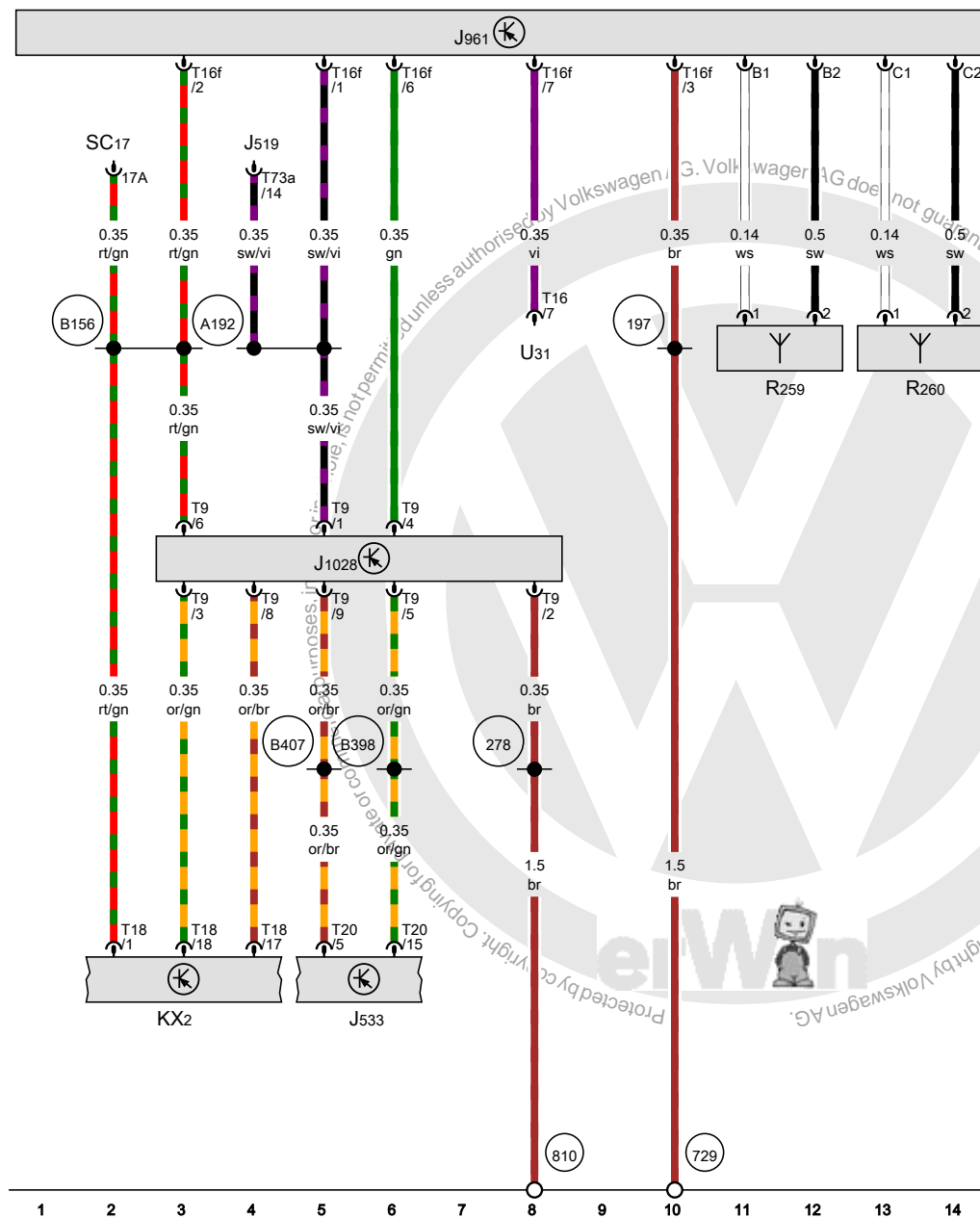
- * Also as LED version
- *2 According to equipment

Vehicle location system , (711)

From July 2013



Anti-theft and vehicle location system control unit, Vehicle location system relay, Vehicle location system aerial 1, Vehicle location system aerial 2

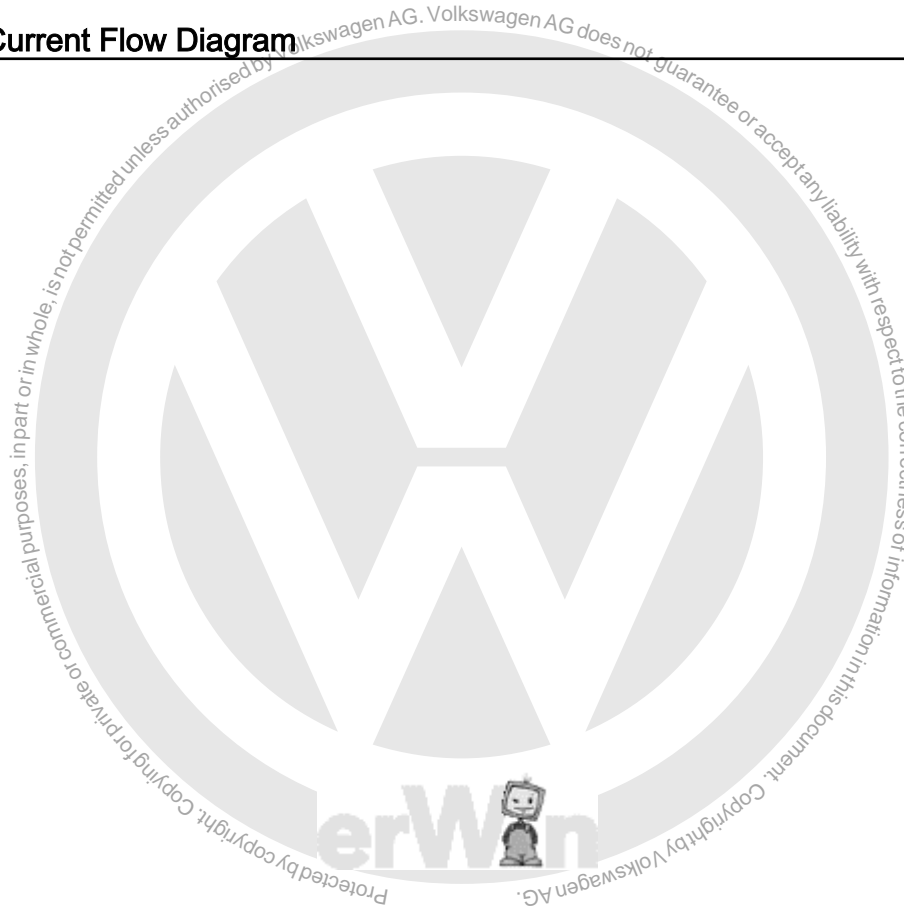


ws = white
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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

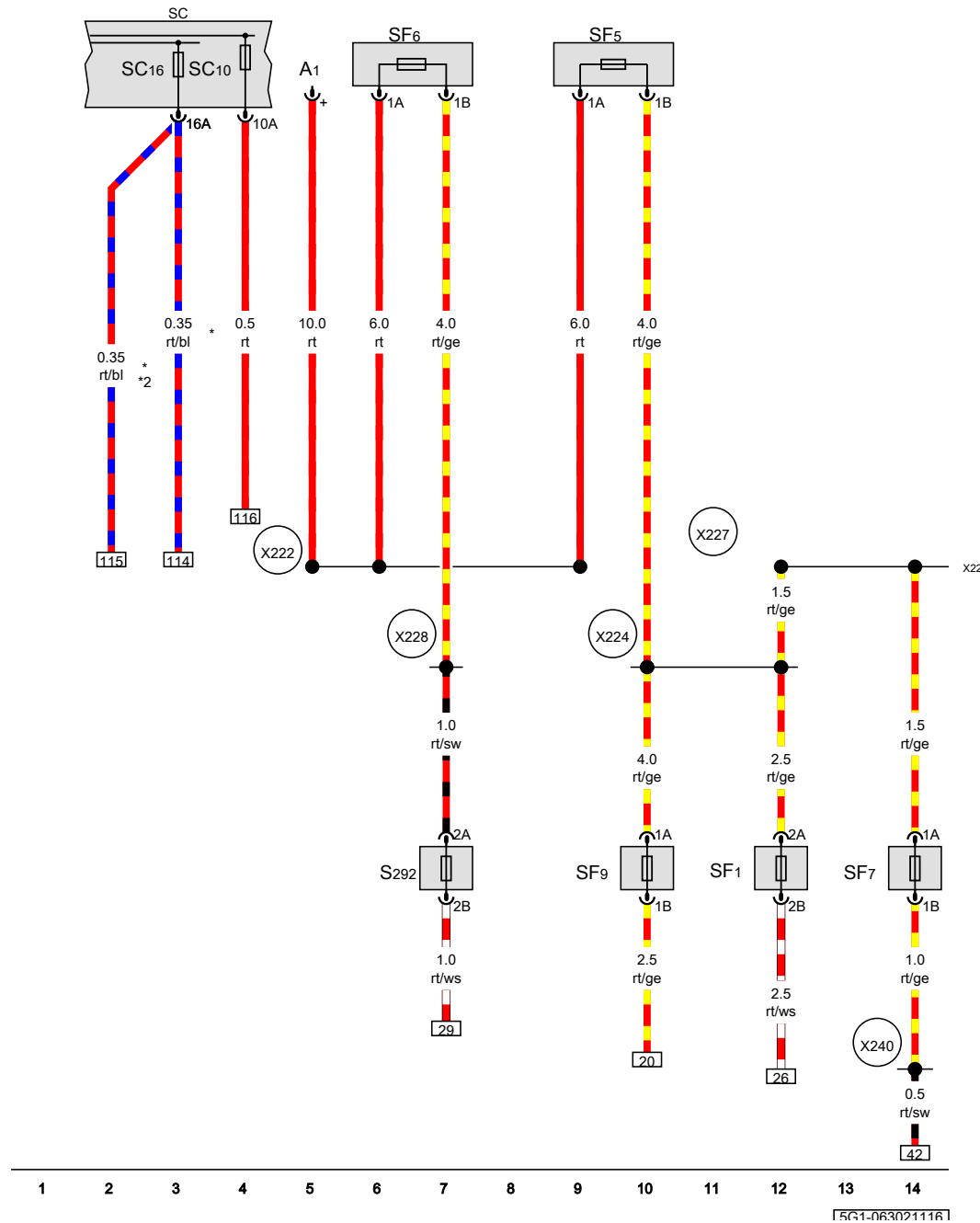
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J961 Anti-theft and vehicle location system control unit
- J1028 Vehicle location system relay
- KX2 Dash panel insert
- R259 Vehicle location system aerial 1
- R260 Vehicle location system aerial 2
- SC17 Fuse 17 on fuse holder C
- T9 9-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T73a 73-pin connector
- U31 Diagnostic connection
- 197 Earth connection 4, in rear wiring harness
- 278 Earth connection 4, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- 810 Earth point on central tube for dash panel, centre left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness

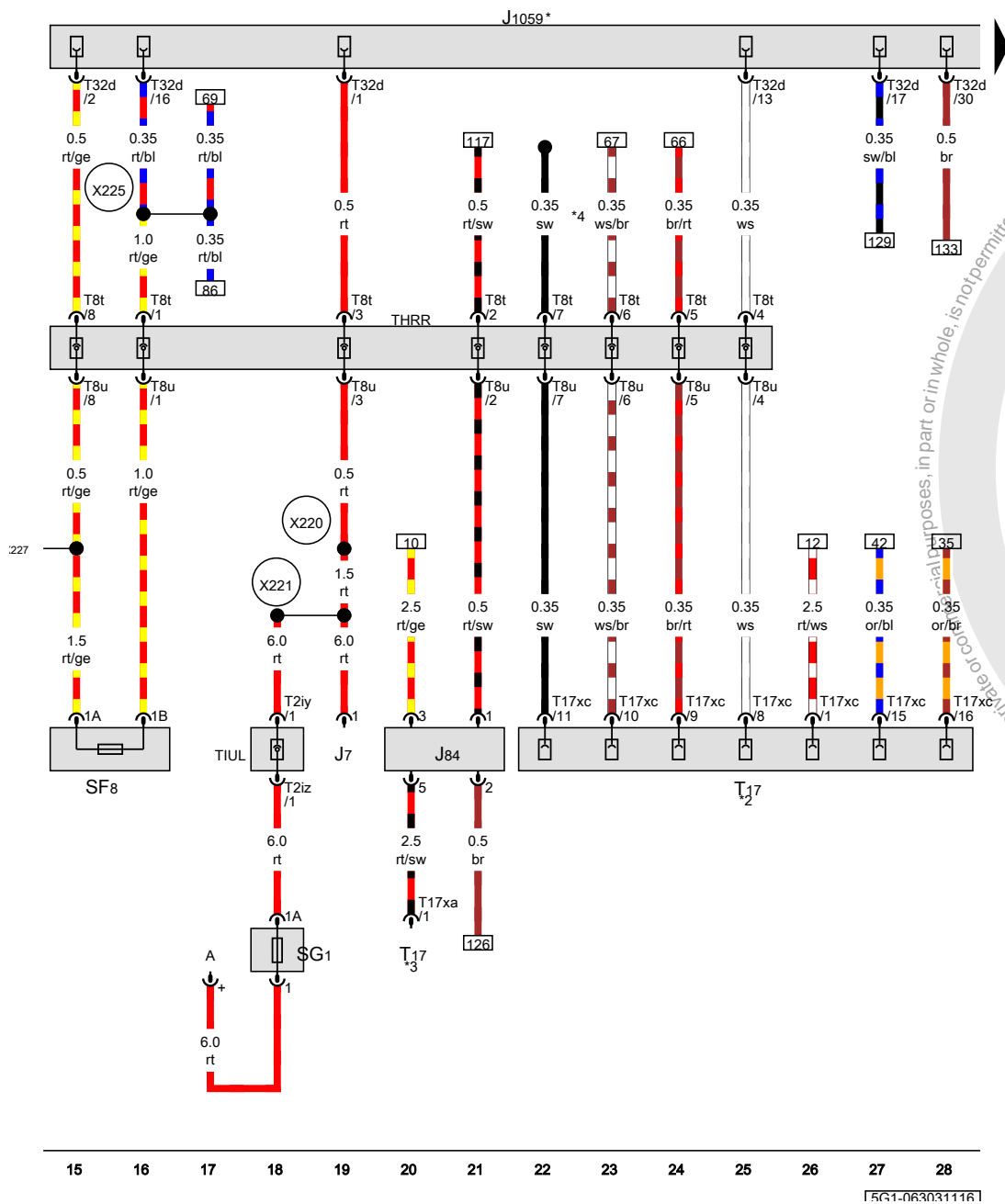
Special vehicle interface , (F6T),(F5T)

From November 2013



ws = white
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bl = blue
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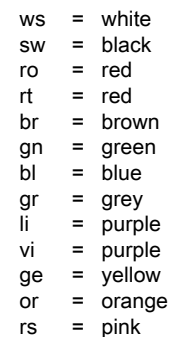
Special vehicle interface control unit

- A Battery
- J7 Battery isolation relay
- J84 Two-way radio voltage relay
- J1059 Special vehicle interface control unit
- SG1 Fuse 1 on fuse holder G
- SF8 Fuse 8 in fuse holder F
- T17 17-pin connector, in luggage compartment
- T2iy 2-pin connector
- T2iz 2-pin connector
- T8t 8-pin connector, black
- T8u 8-pin connector, black
- T17xa 17-pin connector, black
- T17xc 17-pin connector, black
- T32d 32-pin connector, green
- THRR Coupling point in luggage compartment, right
- TIUL Coupling point in interior, below left

- X220 Positive connection 1 (30a) in special vehicle wiring harness
- X221 Positive connection 2 (30a) in special vehicle wiring harness
- X225 Positive connection 6 (30a) in special vehicle wiring harness
- X227 Positive connection 8 (30a) in special vehicle wiring harness

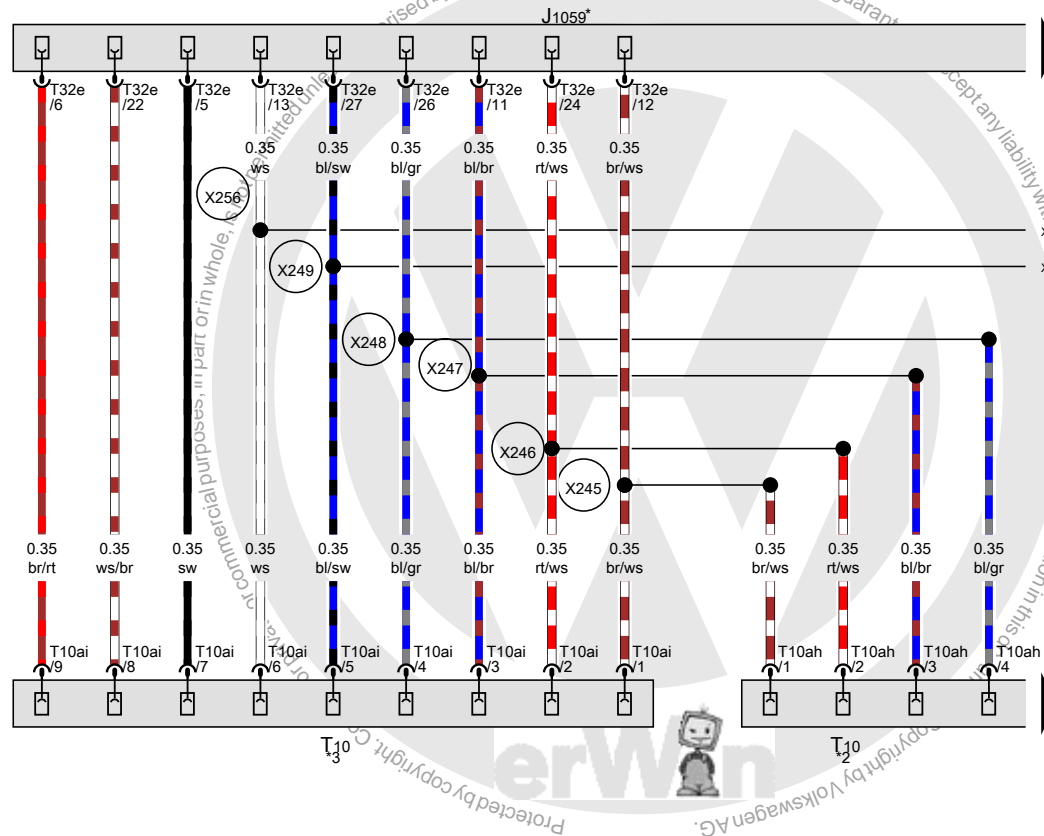
- * Connection for special vehicle interface
- *2 Connection 1 for special signal system
- *3 Connection for 2-way radio
- *4 Wiring open end

- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
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T8m 8-pin connector

- * Connection for accident data recorder
- *2 Connection for operating unit with buttons for special functions
- *3 Connection for special vehicle interface



Special vehicle interface control unit

J1059 Special vehicle interface control unit

T10 10-pin connector

T10ah 10-pin connector, black

T10ai 10-pin connector, red

T32e 32-pin connector, black

X245 Connection 1 in special vehicle wiring harness

X246 Connection 2 in special vehicle wiring harness

X247 Connection 3 in special vehicle wiring harness

X248 Connection 4 in special vehicle wiring harness

X249 Connection 5 in special vehicle wiring harness

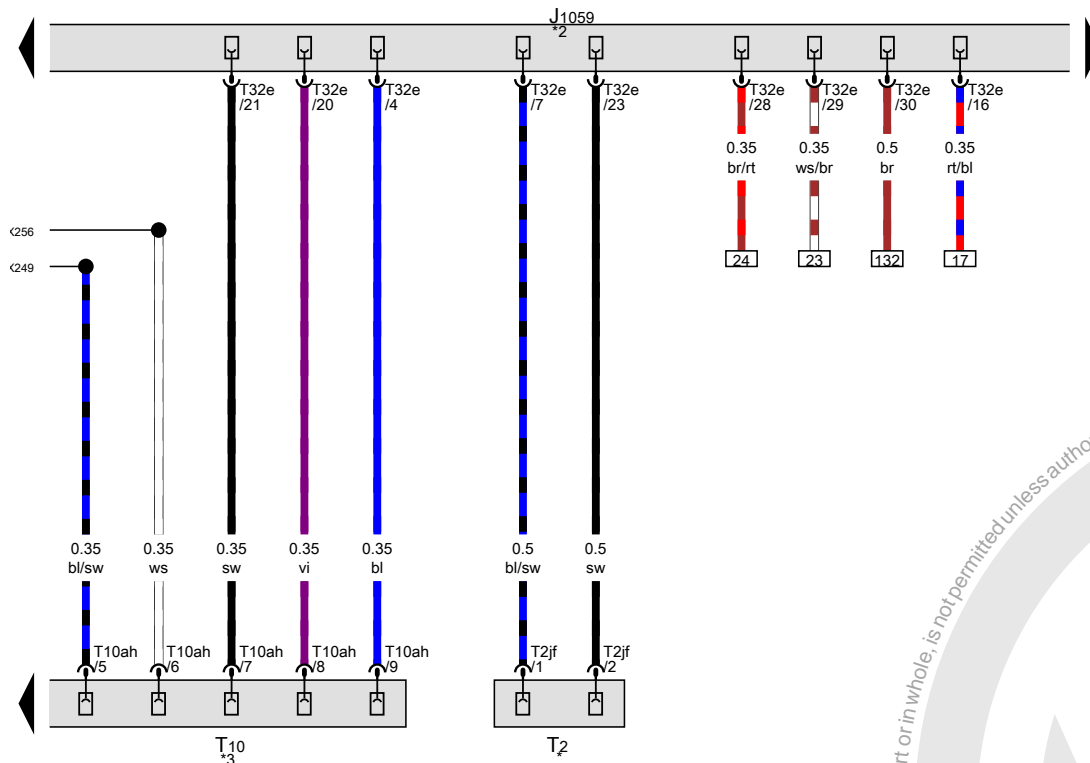
X256 Connection 12 in special vehicle wiring harness

* Connection for special vehicle interface

*2 Connection 1 for 2-way radio

*3 Connection 2 for 2-way radio

ws = white
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ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Special vehicle interface control unit

- J1059 Special vehicle interface control unit
- T10ah 10-pin connector, black
- T2 2-pin connector
- T10 10-pin connector
- T2jf 2-pin connector, black
- T32e 32-pin connector, black

X249 Connection 5 in special vehicle wiring harness

X256 Connection 12 in special vehicle wiring harness

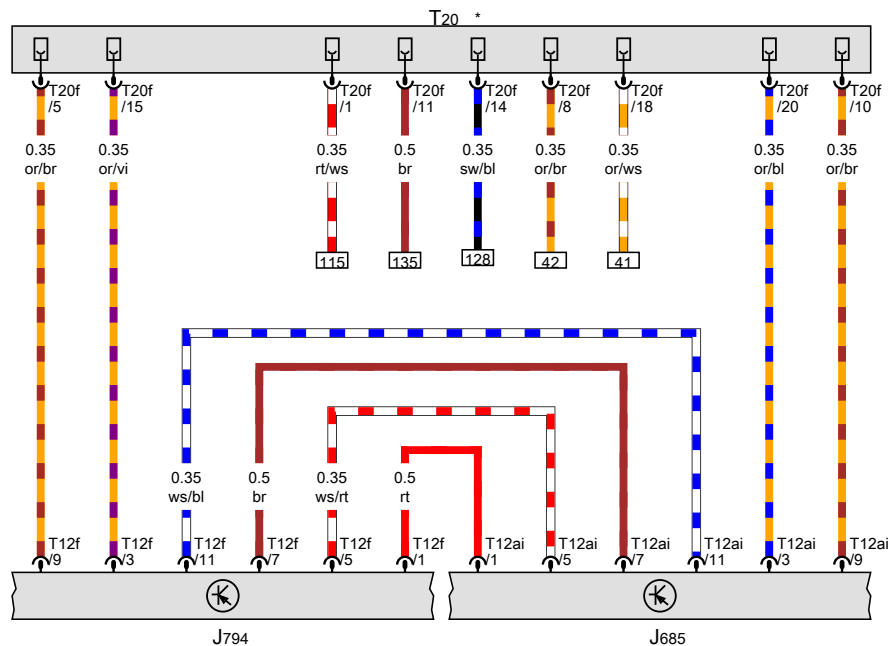
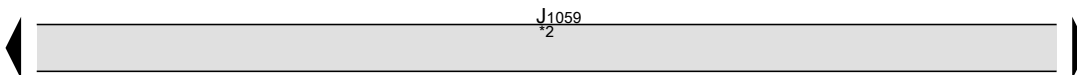
- * Connection for microphone 1
- *2 Connection for special vehicle interface
- *3 Connection 1 for 2-way radio

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- bl = blue
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- or = orange
- rs = pink



Special vehicle interface control unit

- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J1059 Special vehicle interface control unit
- T12ai 12-pin connector, black
- T12f 12-pin connector, black
- T20 20-pin connector
- T20f 20-pin connector
- * Connection for diagnostic interface
- *2 Connection for special vehicle interface



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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Special vehicle interface control unit

- J1059 Special vehicle interface control unit
- T2 2-pin connector
- T2il 2-pin connector, near centre console
- T2im 2-pin connector, near interior light
- T2in 2-pin connector, near interior light
- T2io 2-pin connector, near centre console
- T4 4-pin connector
- T4al 4-pin connector
- T32e 32-pin connector, black

872 Earth connection 9 in special vehicle wiring harness

X252 Connection 8 in special vehicle wiring harness

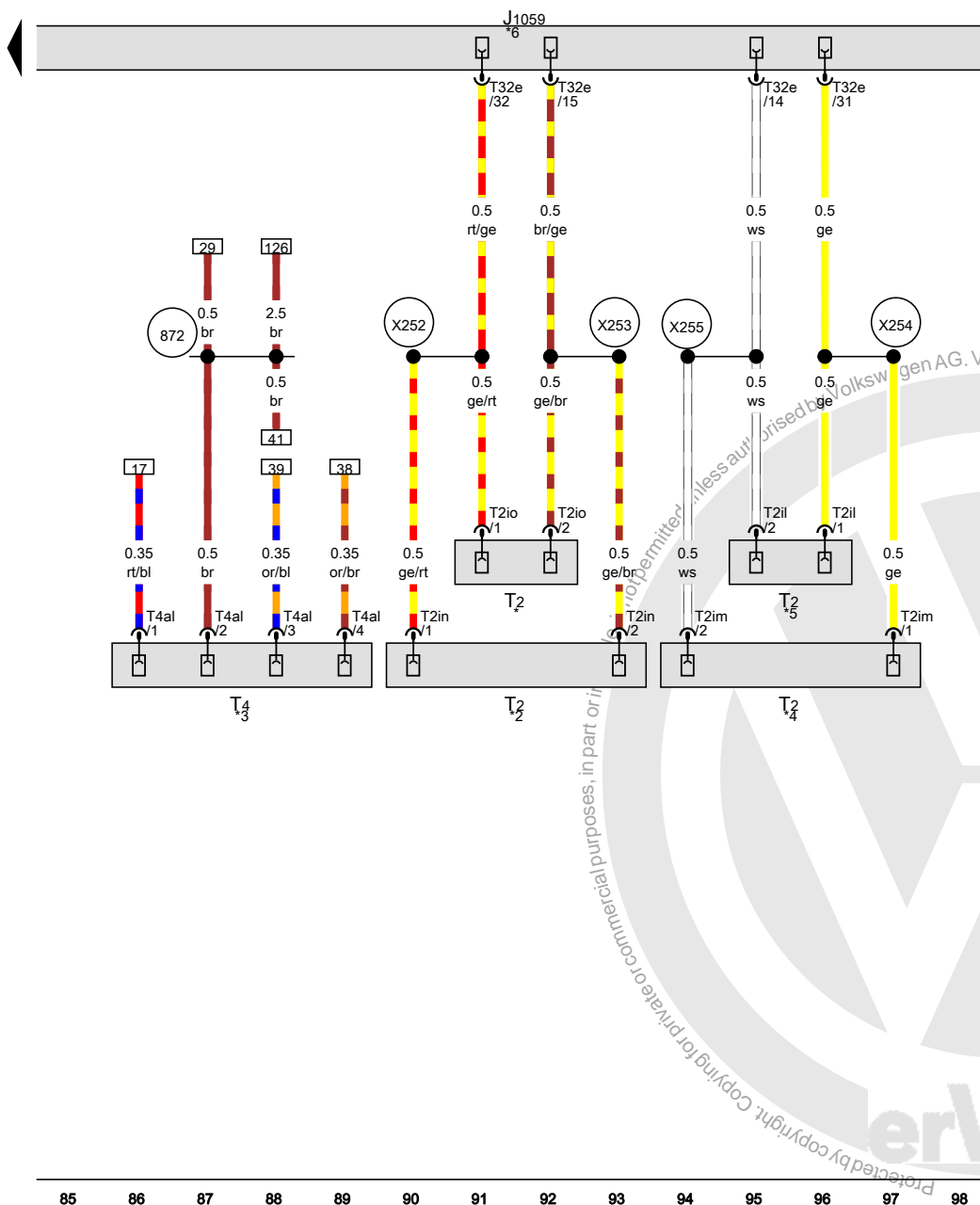
X253 Connection 9 in special vehicle wiring harness

X254 Connection 10 in special vehicle wiring harness

X255 Connection 11 in special vehicle wiring harness

- * Connection 2 for 2-way radio loudspeaker
- *2 Connection 1 for 2-way radio loudspeaker
- *3 Connection for "stop" command light
- *4 Connection 3 for 2-way radio loudspeaker
- *5 Connection 4 for 2-way radio loudspeaker
- *6 Connection for special vehicle interface

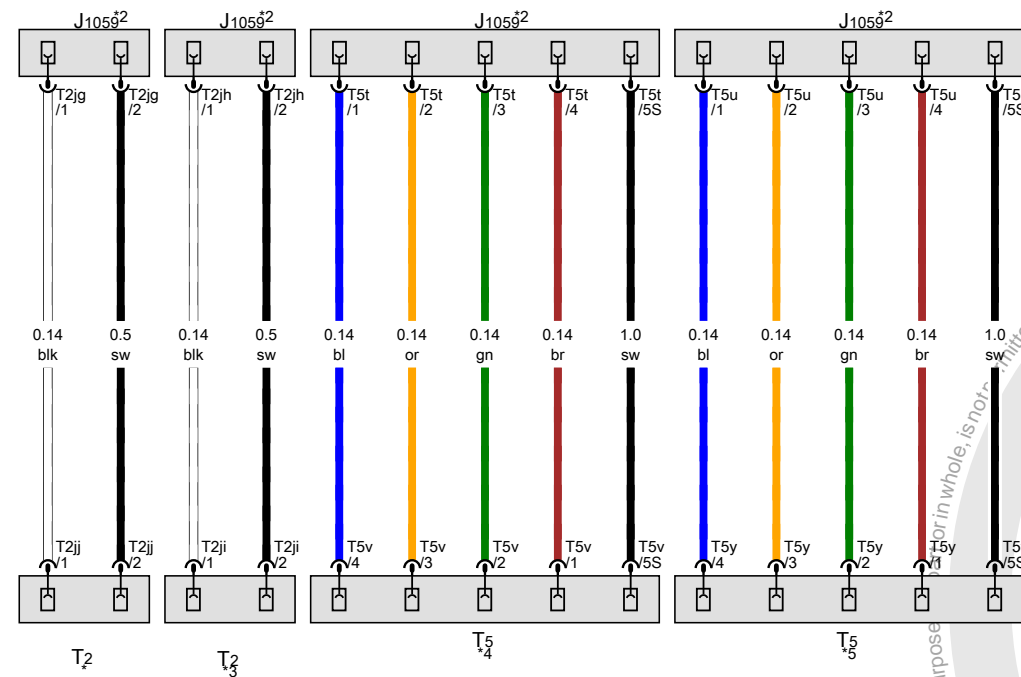
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 br = brown
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 in = purple
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85 86 87 88 89 90 91 92 93 94 95 96 97 98

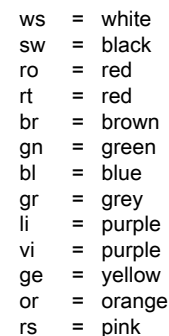
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Special vehicle interface control unit

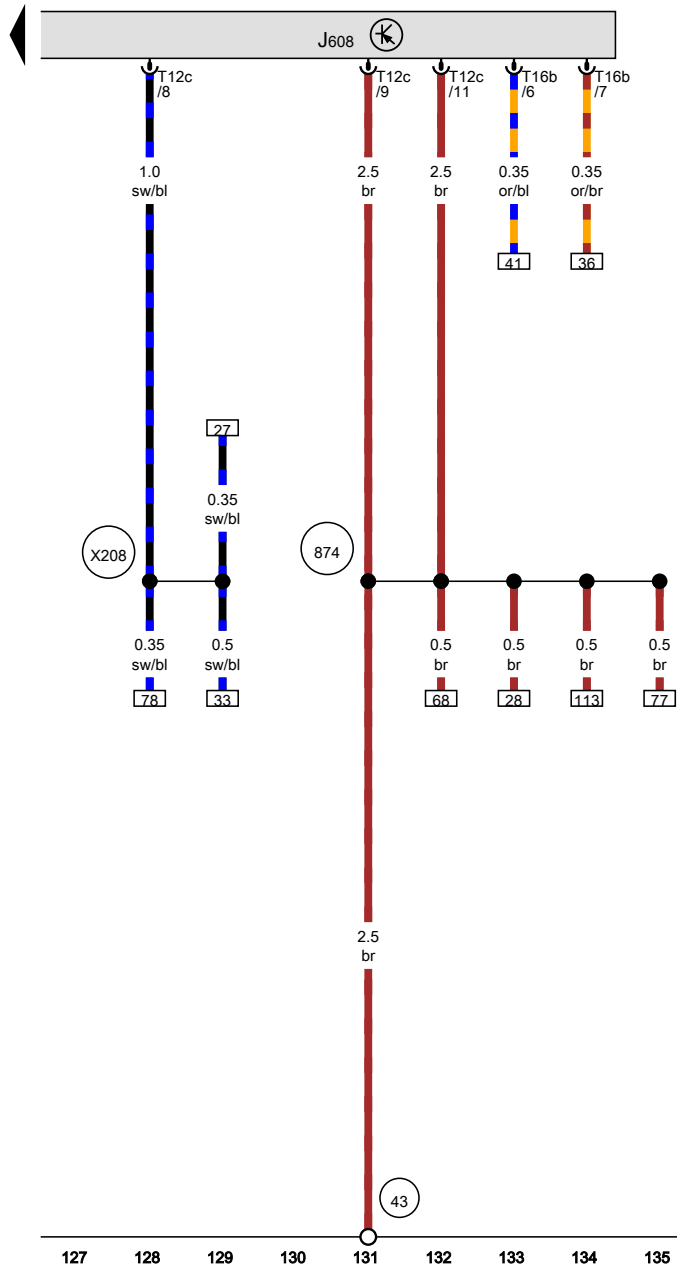


- J1059 Special vehicle interface control unit
- T2 2-pin connector
- T2jg 2-pin connector, purple
- T2jh 2-pin connector, blue
- T2ji 2-pin connector, blue
- T2jj 2-pin connector, purple
- T5 5-pin connector
- T5t 5-pin connector, brown
- T5u 5-pin connector, blue
- T5v 5-pin connector, brown
- T5y 5-pin connector, black
- * Connection for GSM/UMTS aerial
- *2 Connection for special vehicle interface
- *3 Connection for GPS aerial
- *4 Connection for ethernet
- *5 Connection for signal changeover switch

- ws = white
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- bl = blue
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EX1	Rotary light switch
J608	Special vehicle control unit
T4	4-pin connector
T4br	4-pin connector, brown
T6	6-pin connector
T6ad	6-pin connector, black
T6ae	6-pin connector, black
T6au	6-pin connector, black
T6av	6-pin connector, black
T6bc	6-pin connector
T10h	10-pin connector
T12c	12-pin connector, black
T20m	20-pin connector, red
TIUL	Coupling point in interior, below left
44	Earth point, lower part of left A-pillar
864	Earth connection 1 in special vehicle wiring harness
871	Earth connection 8 in special vehicle wiring harness
873	Earth connection 10 in special vehicle wiring harness
A19	Connection (58d), in dash panel wiring harness
A116	Connection 2 (58d), in dash panel wiring harness
A167	Positive connection 3 (30a) in dash panel wiring harness
A252	Positive connection 3 (58), in special vehicle wiring harness
B151	Positive connection 3 (30a), in interior wiring harness
X231	Positive connection 12 (30a) in special vehicle wiring harness
X234	Positive connection 15 (30a) in special vehicle wiring harness
*	Connection for signal changeover switch
*2	Connection for hands-free system button 1
*3	According to equipment
*4	Up to May 2016
*5	From May 2016



Special vehicle control unit

- J608 Special vehicle control unit
- T12c 12-pin connector, black
- T16b 16-pin connector, brown
- 43 Earth point, lower part of right A-pillar
- 874 Earth connection 11 in special vehicle wiring harness
- X208 Connection 4 (15a), in special vehicle wiring harness

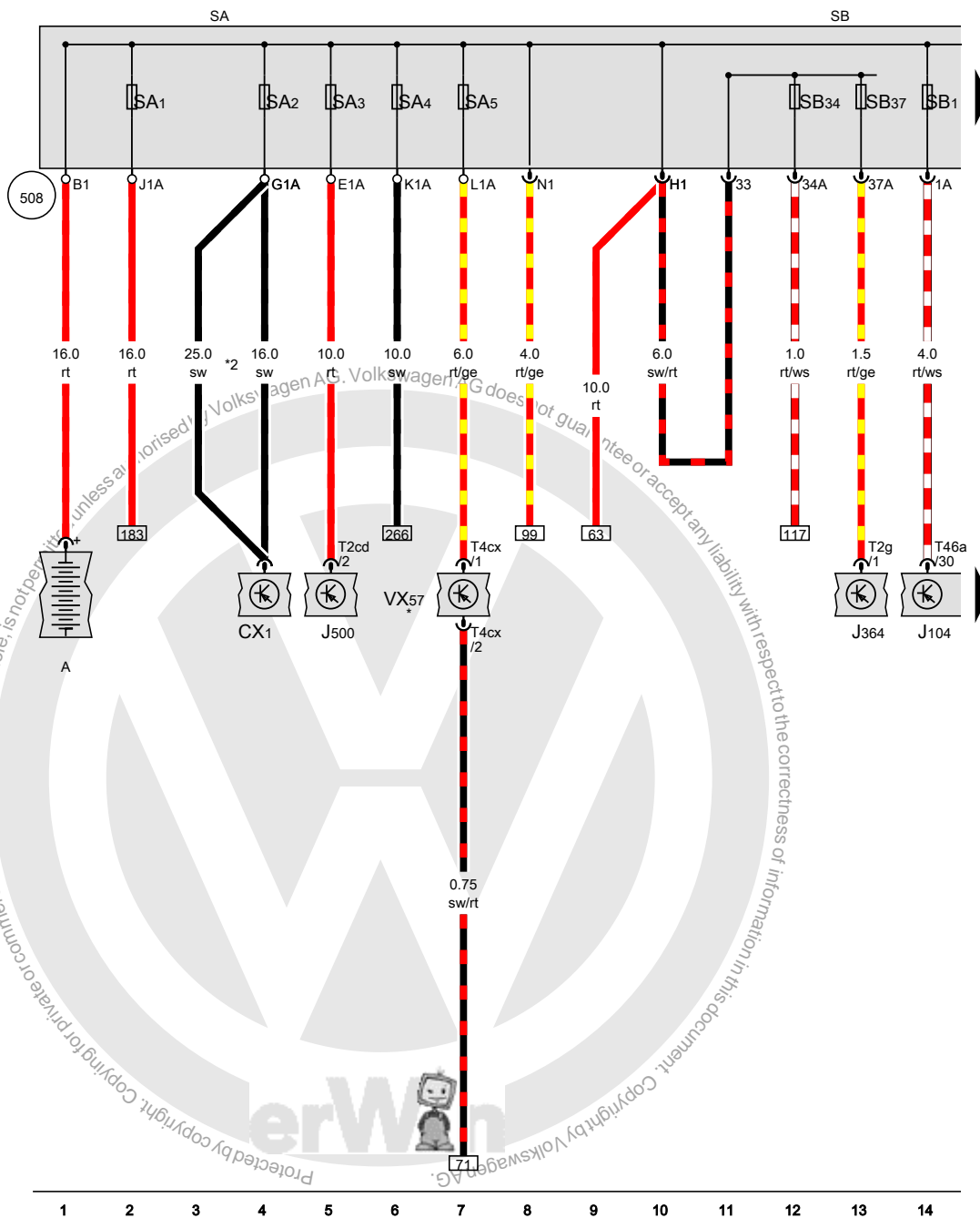
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[5G1-063111116]

Fuse assignment

From November 2013

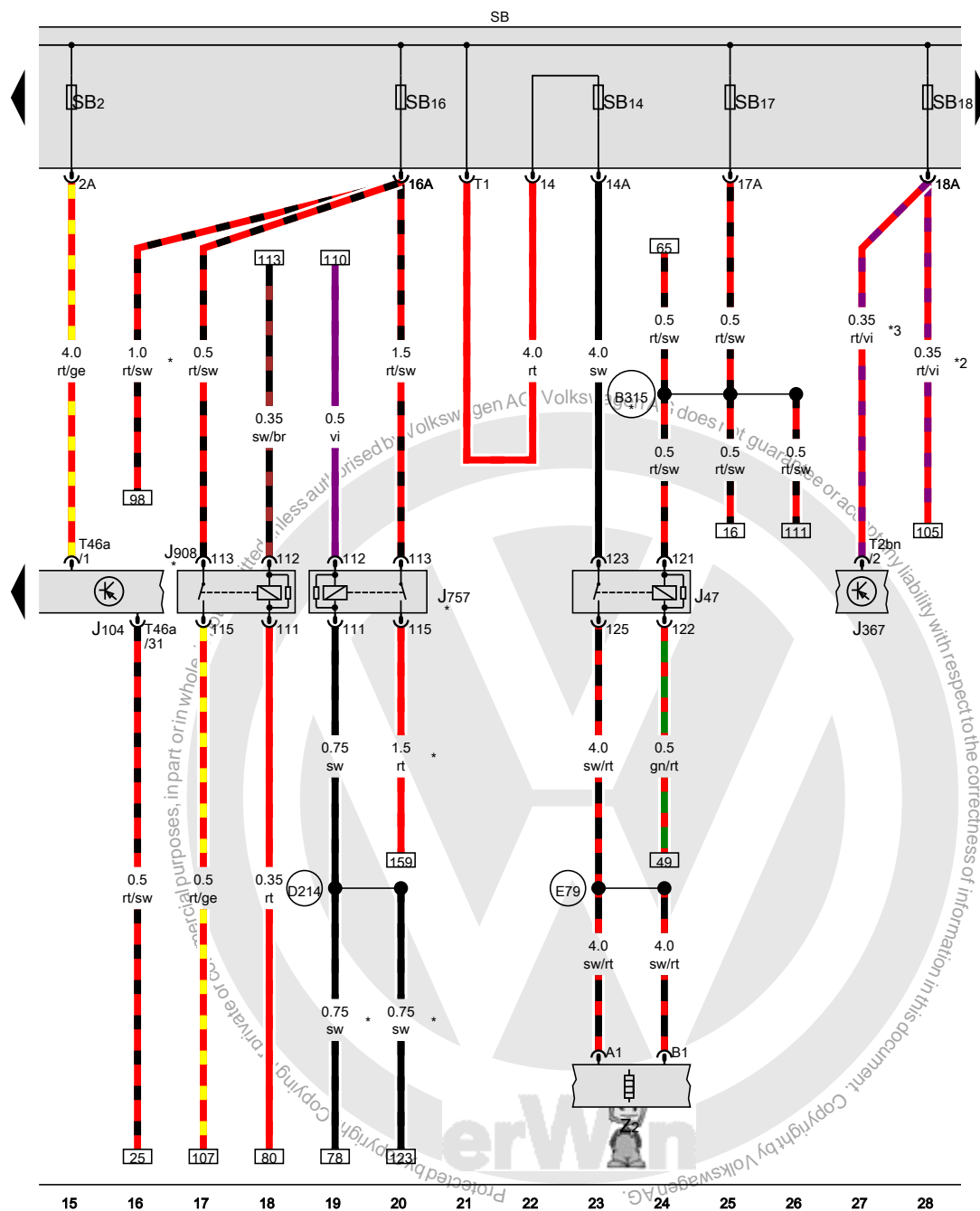




Fuse holder A, Fuse holder B

- A Battery
- CX1 Alternator with voltage regulator
- J104 ABS control unit
- J364 Auxiliary heater control unit
- J500 Power steering control unit
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SA2 Fuse 2 on fuse holder A
- SA3 Fuse 3 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SA5 Fuse 5 on fuse holder A
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB34 Fuse 34 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2cd 2-pin connector
- T2g 2-pin connector
- T4cx 4-pin connector
- T46a 46-pin connector
- VX57 Radiator fan
- 508 Threaded connection (30) on E-box
- * Pre-wired component
- *2 Cross section depends on equipment

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- vi = purple
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- rs = pink



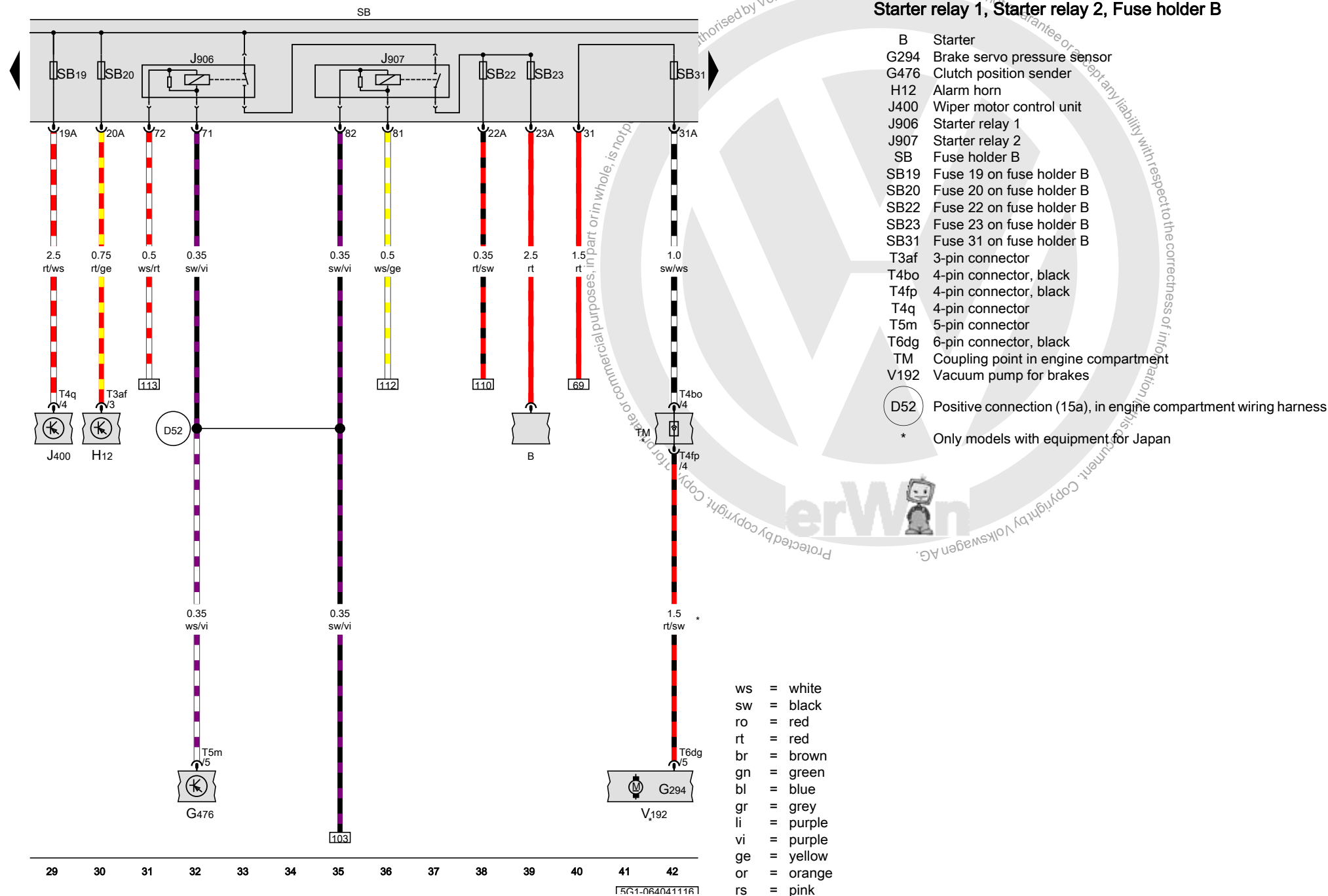
Heated windscreen relay, Engine component current supply relay, Relay for gas shut-off valves, Fuse holder B

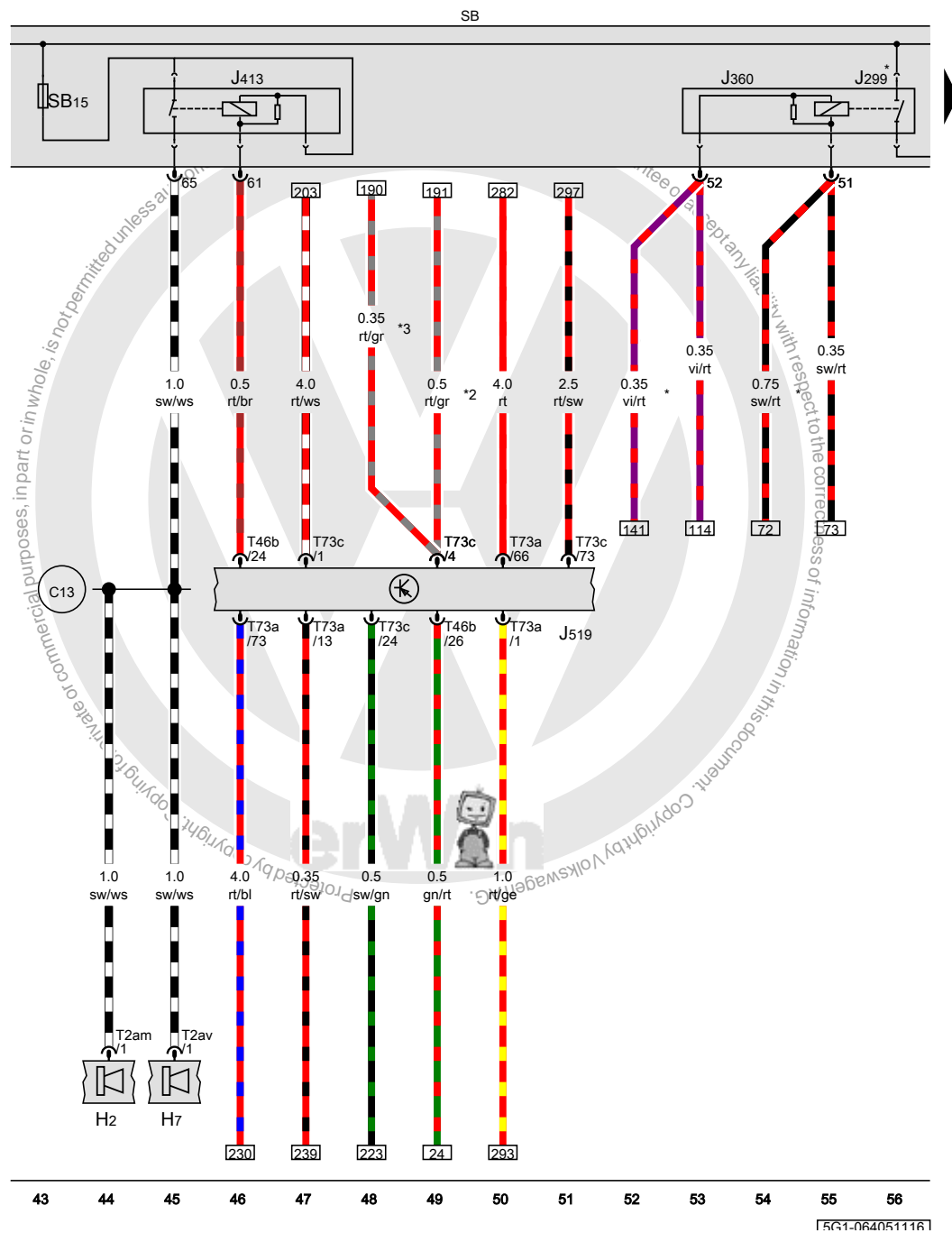
- J47 Heated windscreen relay
- J104 ABS control unit
- J367 Battery monitor control unit
- J757 Engine component current supply relay
- J908 Relay for gas shut-off valves
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- T2bn 2-pin connector
- T46a 46-pin connector
- Z2 Heated windscreen

- B315 Positive connection 1 (30a) in main wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- E79 Connection 3 (87a) in engine wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with no start/stop system
- *3 Only models with start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





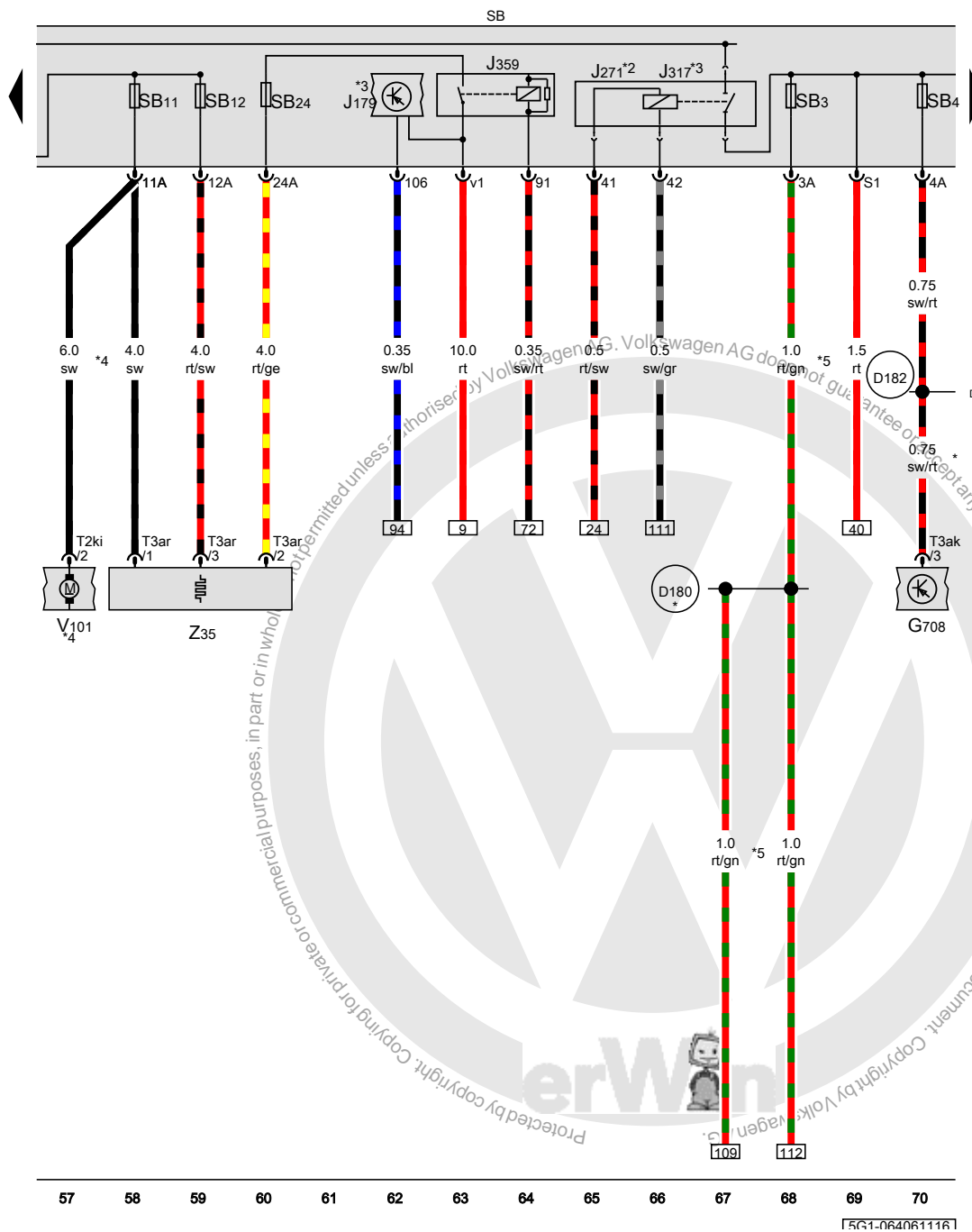
High heat output relay, Horn relay, Fuse holder B

- H2 Treble horn
- H7 Bass horn
- J299 Secondary air pump relay
- J360 High heat output relay
- J413 Horn relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- T2am 2-pin connector
- T2av 2-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

C13 Positive connection in dual tone horn wiring harness

- * Only for American markets
- *2 Up to November 2015
- *3 From November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Automatic glow period control unit, Main relay, Terminal 30 voltage supply relay, Low heat output relay, Fuse holder B

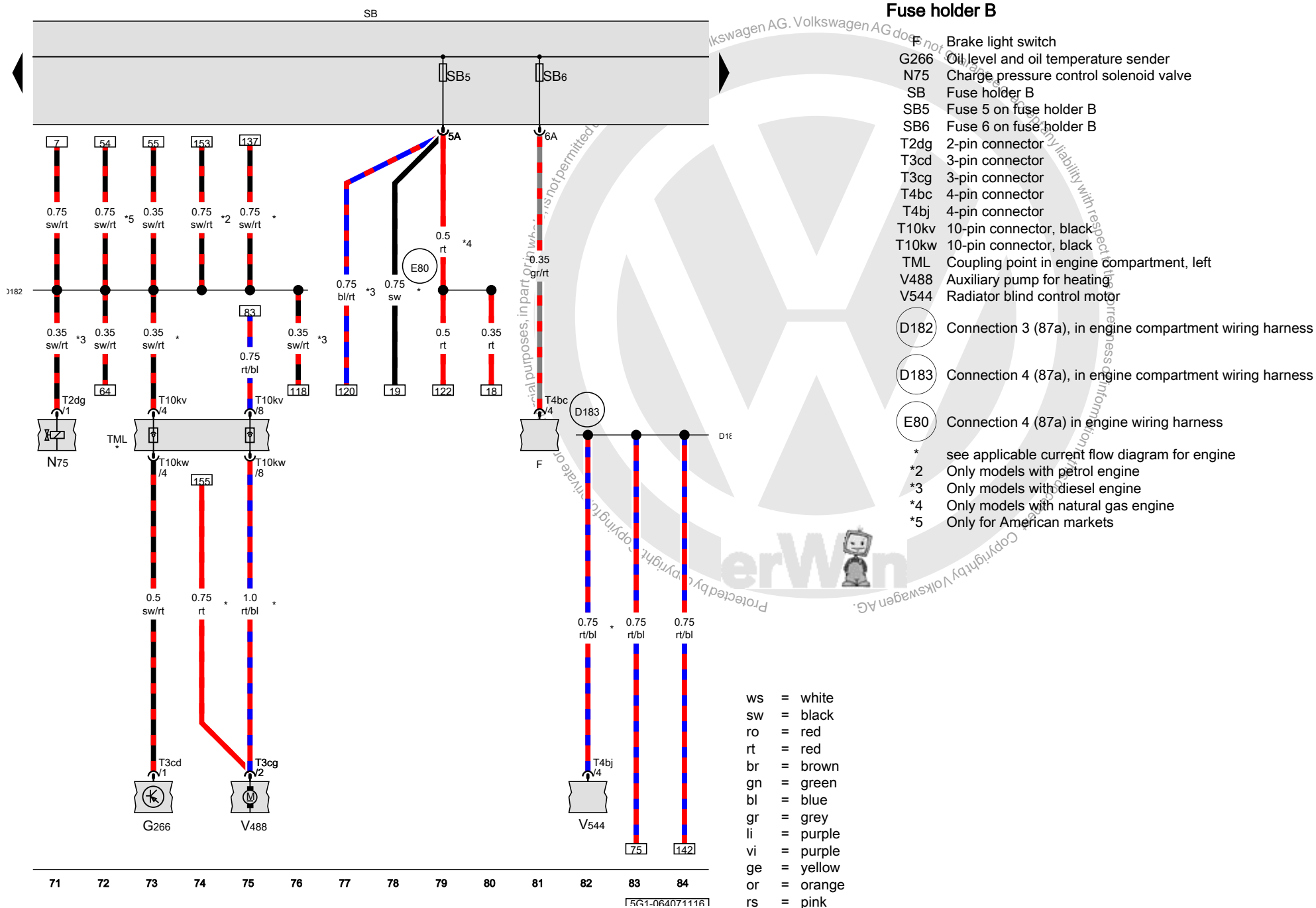
- G708 Ethanol concentration sender
- J179 Automatic glow period control unit
- J271 Main relay
- J317 Terminal 30 voltage supply relay
- J359 Low heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T2ki 2-pin connector
- T3ak 3-pin connector
- T3ar 3-pin connector
- V101 Secondary air pump motor
- Z35 Auxiliary air heater element

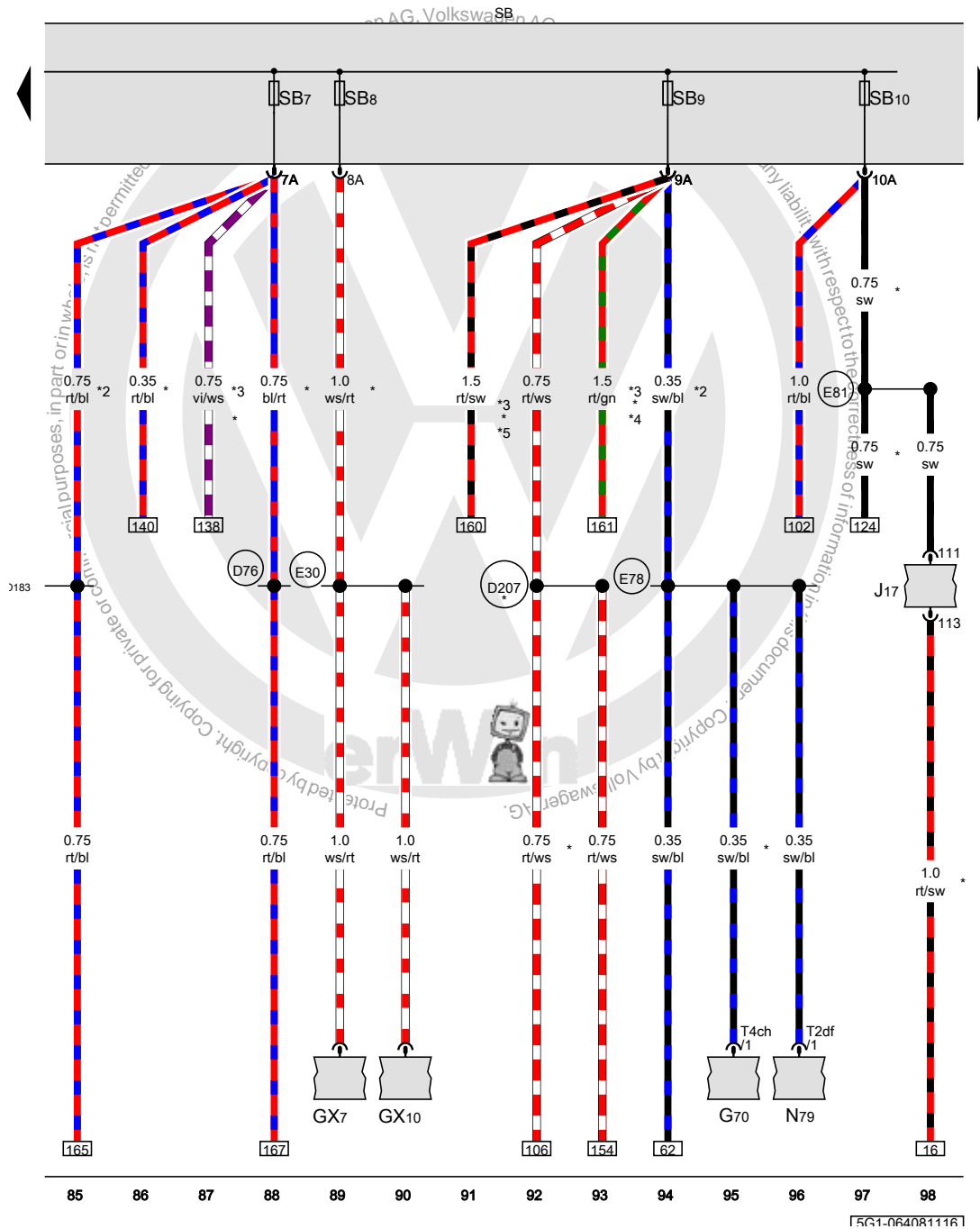
D180 Connection (87a), in engine compartment wiring harness

D182 Connection 3 (87a), in engine compartment wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with petrol engine
- *3 Only models with diesel engine
- *4 Only for American markets
- *5 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



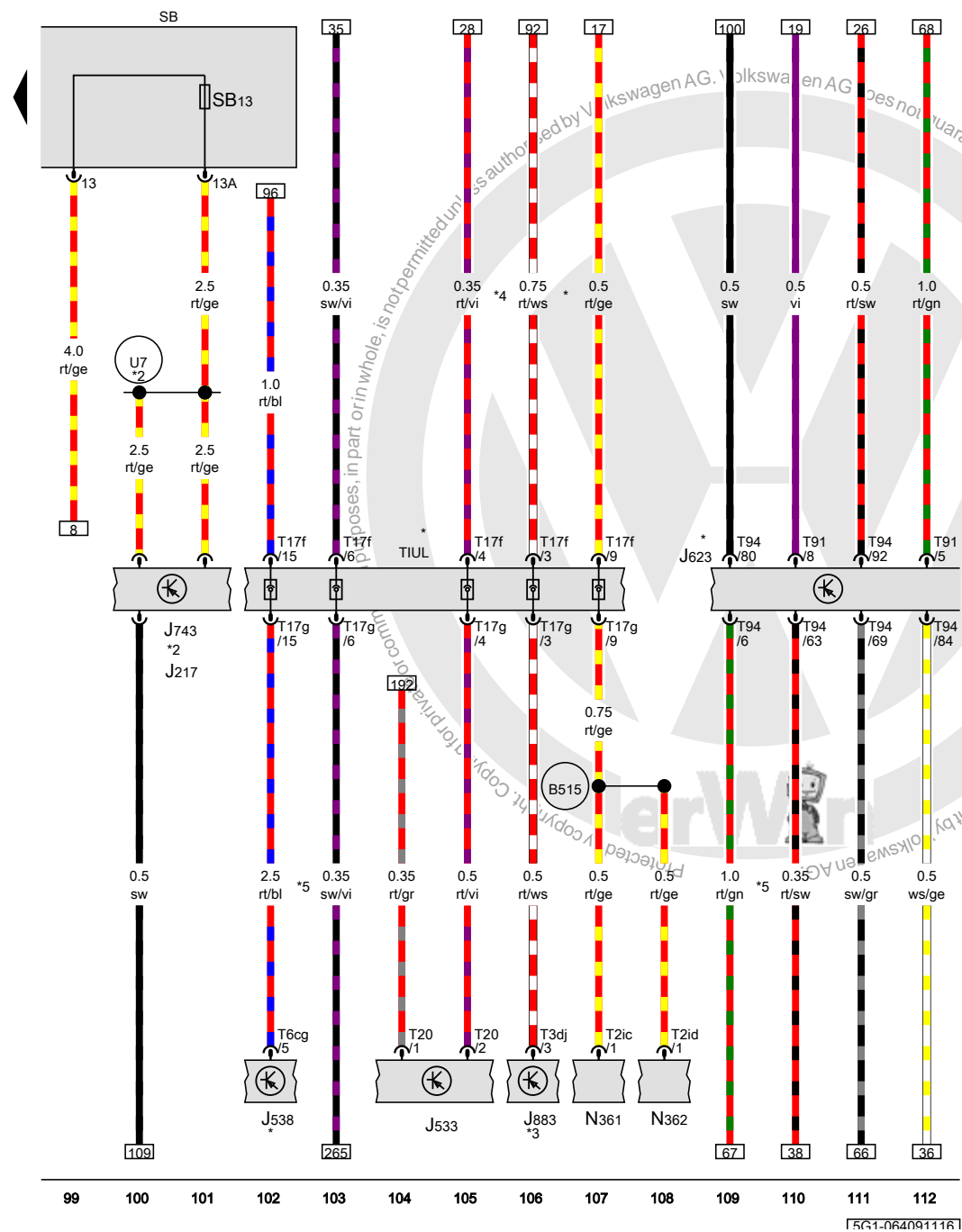


Fuel pump relay, Fuse holder B

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G70 Air mass meter
- J17 Fuel pump relay
- N79 Heater element for crankcase breather
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T2df 2-pin connector
- T4ch 4-pin connector

- (D76) Connection (circulation pump), in engine compartment wiring harness
- (D183) Connection 4 (87a), in engine compartment wiring harness
- (D207) Connection 7 (87a), in engine compartment wiring harness
- (E30) Connection (87a), in engine wiring harness
- (E78) Connection 2 (87a) in engine wiring harness
- (E81) Connection 5 (87a) in engine wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 Only models with petrol engine
- *4 Up to October 2014
- *5 From November 2014

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
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Engine control unit, Fuse holder B

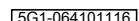
- J217 Automatic gearbox control unit
- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- J883 Exhaust flap control unit
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- SB Fuse holder B
- SB13 Fuse 13 on fuse holder B
- T2ic 2-pin connector
- T2id 2-pin connector
- T3dj 3-pin connector
- T6cg 6-pin connector
- T17f 17-pin connector, blue
- T17g 17-pin connector, blue
- T20 20-pin connector
- T91 91-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

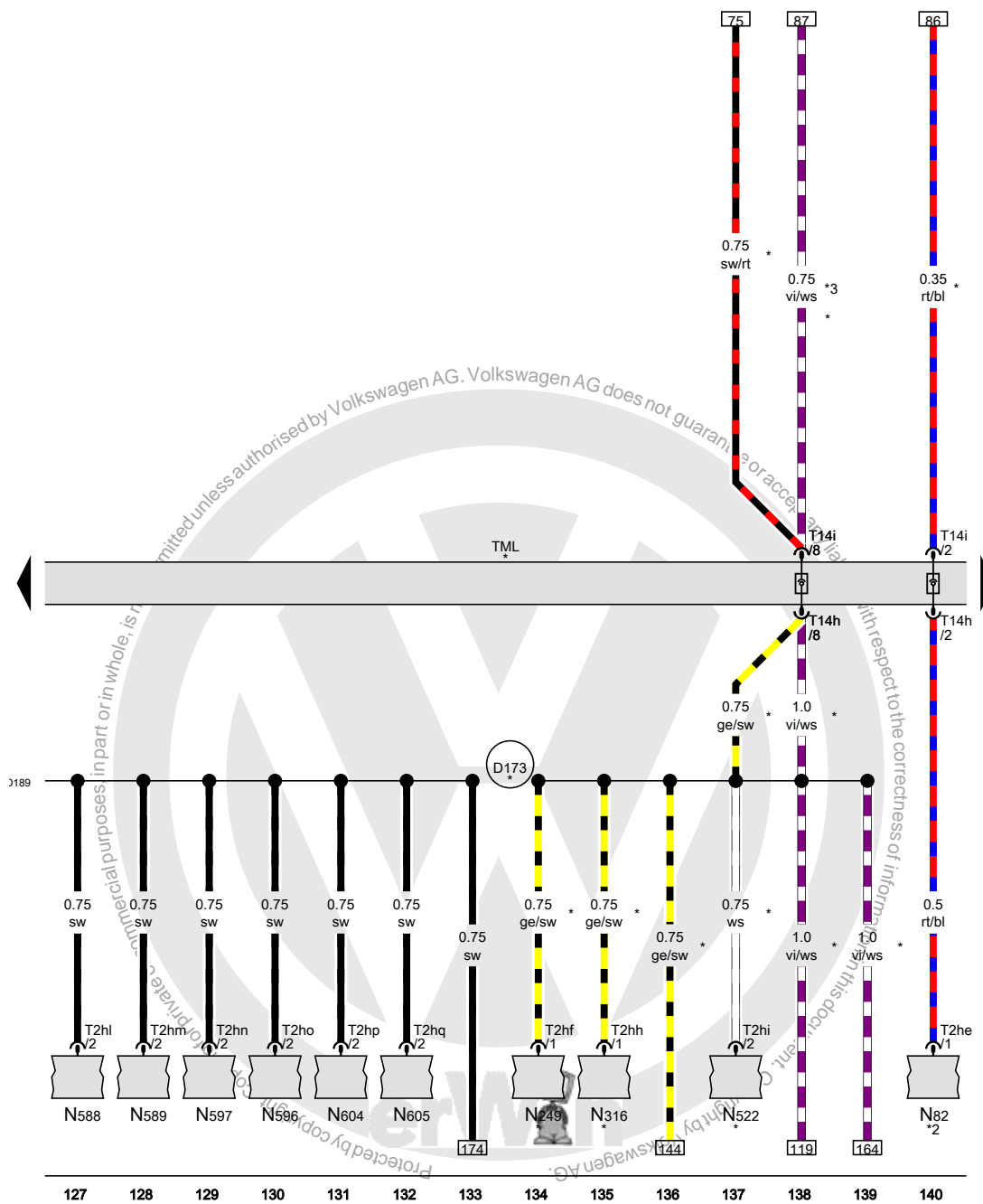
B515 Positive connection 4 (87), in interior wiring harness

U7 Connection (87), in automatic gearbox wiring harness

- * see applicable current flow diagram for engine
- *2 see applicable current flow diagram for gearbox
- *3 According to equipment
- *4 Only models with no start/stop system
- *5 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink





Coupling point in engine compartment, left

- N82 Coolant shut-off valve
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N522 Piston cooling jet control valve
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4

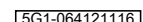
- T2he 2-pin connector
- T2hf 2-pin connector
- T2hh 2-pin connector
- T2hi 2-pin connector
- T2hl 2-pin connector
- T2hm 2-pin connector
- T2hn 2-pin connector
- T2ho 2-pin connector
- T2hp 2-pin connector
- T2hq 2-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left

D173 Connection (87), in engine prewiring harness

D189 Connection (87a) in engine prewiring harness

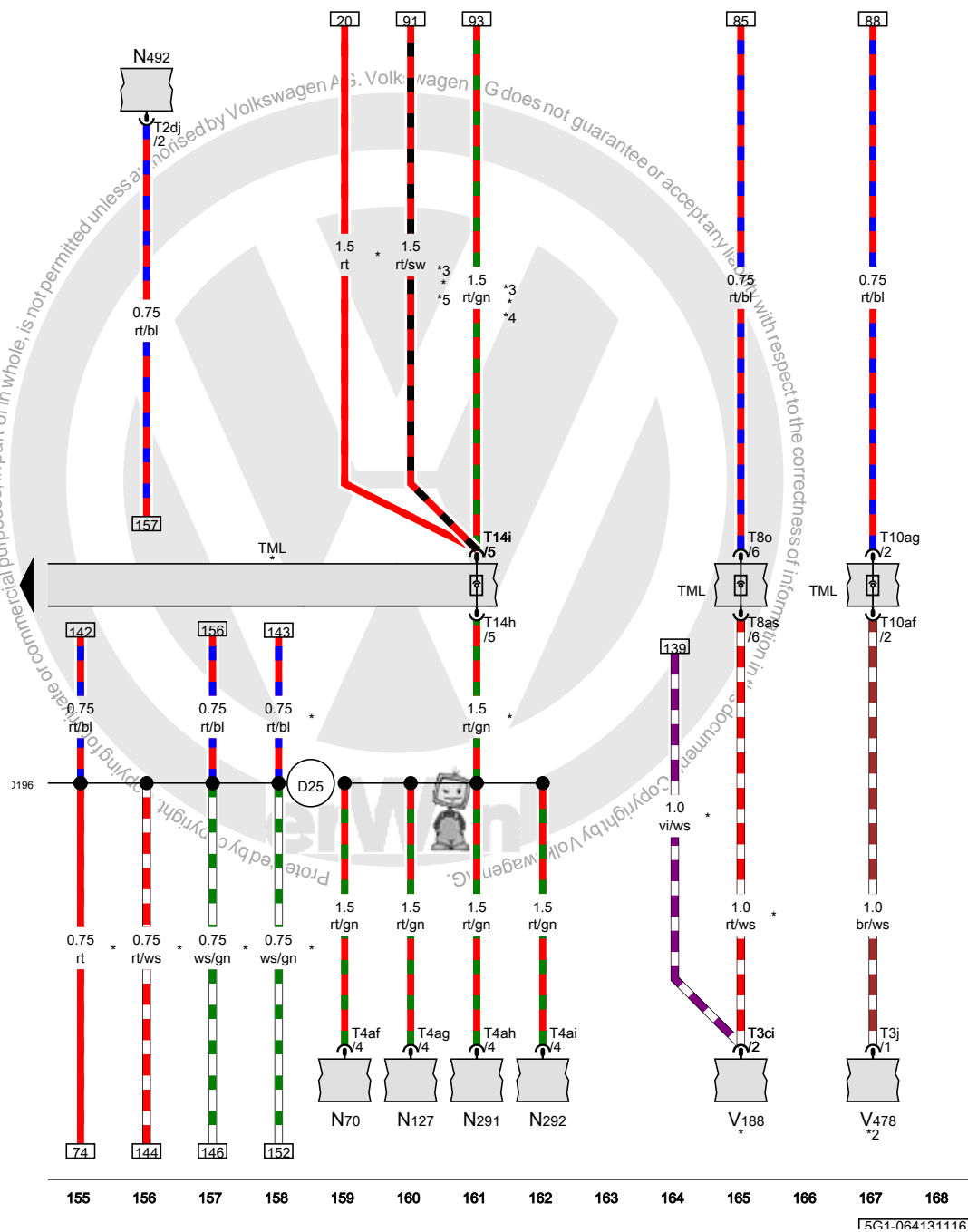
- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 Only models with petrol engine

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
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- gr = grey
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G609	Sender 1 for secondary air pressure
N80	Activated charcoal filter solenoid valve 1
N205	Camshaft control valve 1
N318	Exhaust camshaft control valve 1
N428	Valve for oil pressure control
N583	Inlet cam actuator for cylinder 2
N587	Exhaust cam actuator for cylinder 2
N591	Inlet cam actuator for cylinder 3
N595	Exhaust cam actuator for cylinder 3
T2cy	2-pin connector
T2cz	2-pin connector, yellow
T2da	2-pin connector, black
T2db	2-pin connector, black
T3au	3-pin connector
T3av	3-pin connector
T3aw	3-pin connector
T3ax	3-pin connector
T5ar	5-pin connector
T14h	14-pin connector, grey
T14i	14-pin connector, grey
TML	Coupling point in engine compartment, left
D141	Connection (5V) in engine prewiring harness
D196	Connection 2 (87a) in engine prewiring harness
*	see applicable current flow diagram for engine
*2	Only models with SULEV emission standard
*3	Only models with petrol engine
*4	Only for American markets

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Coupling point in engine compartment, left

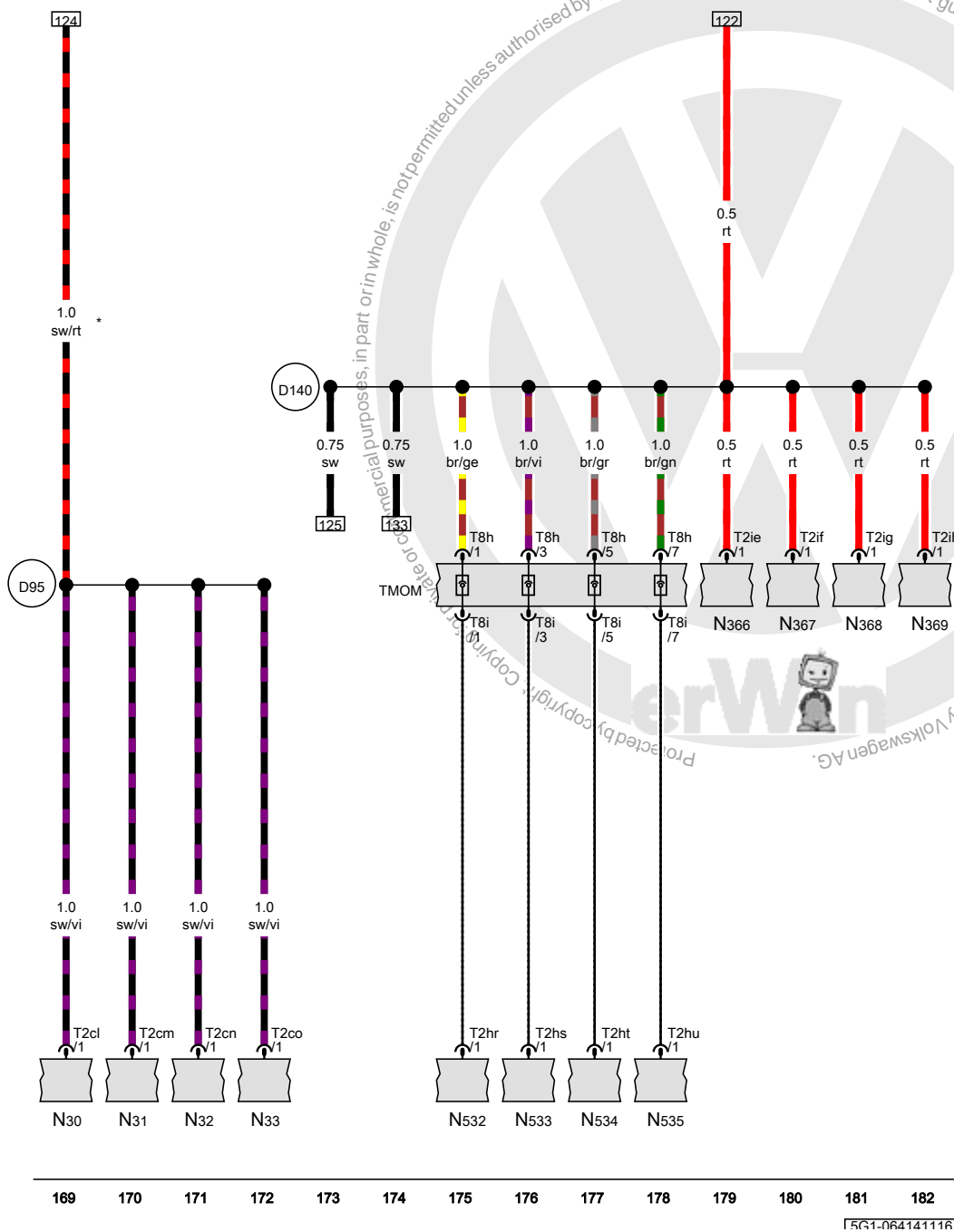
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- N492 Solenoid for coolant circuit
- T2dj 2-pin connector
- T3ci 3-pin connector
- T3j 3-pin connector
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T8as 8-pin connector, black
- T8o 8-pin connector, black
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump
- V478 Gearbox oil cooling pump

D25 Positive connection (15), in engine prewiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 Only models with petrol engine
- *4 Up to October 2014
- *5 From November 2014

- ws = white
- sw = black
- ro = red
- rt = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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Coupling point on engine, top centre

- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4

- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2hr 2-pin connector
- T2hs 2-pin connector
- T2ht 2-pin connector
- T2hu 2-pin connector
- T2ie 2-pin connector
- T2if 2-pin connector
- T2ig 2-pin connector
- T2ih 2-pin connector
- T8h 8-pin connector, black
- T8i 8-pin connector, black

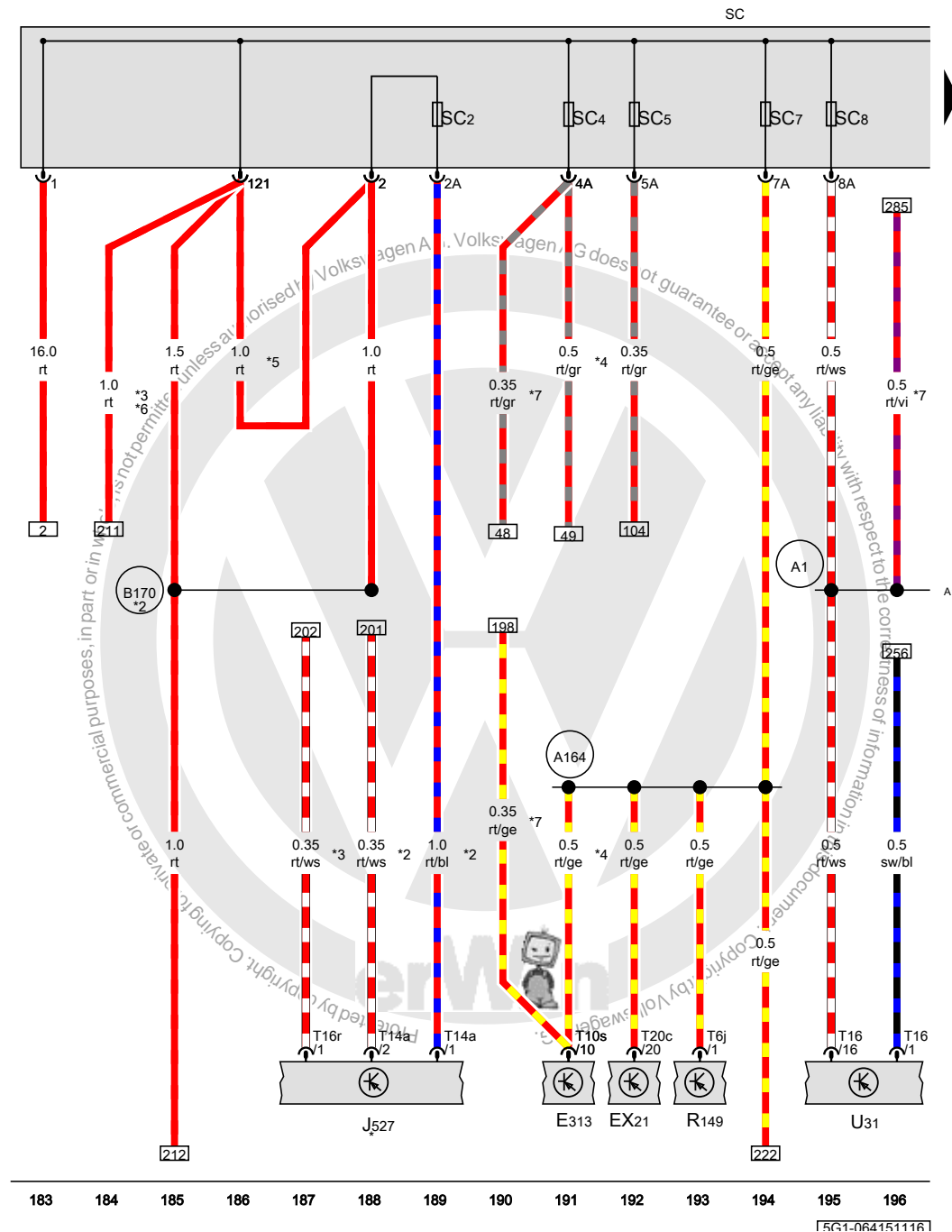
TMOM Coupling point on engine, top centre

D95 Connection (injectors), in engine compartment wiring harness

D140 Connection (injectors), in engine prewiring harness

* see applicable current flow diagram for engine

- ws = white
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Fuse holder C

- EX21 Heater and air conditioning controls
- E313 Selector lever
- J527 Steering column electronics control unit
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- T6j 6-pin connector
- T10s 10-pin connector
- T14a 14-pin connector
- T16 16-pin connector
- T16r 16-pin connector
- T20c 20-pin connector
- U31 Diagnostic connection

A1 Positive connection (30a), in dash panel wiring harness

A164 Positive connection 2 (30a) in dash panel wiring harness

B170 Positive connection 2 (30), in interior wiring harness

* see applicable current flow diagram

*2 Only models with heated steering wheel

*3 Only models with no heated steering wheel

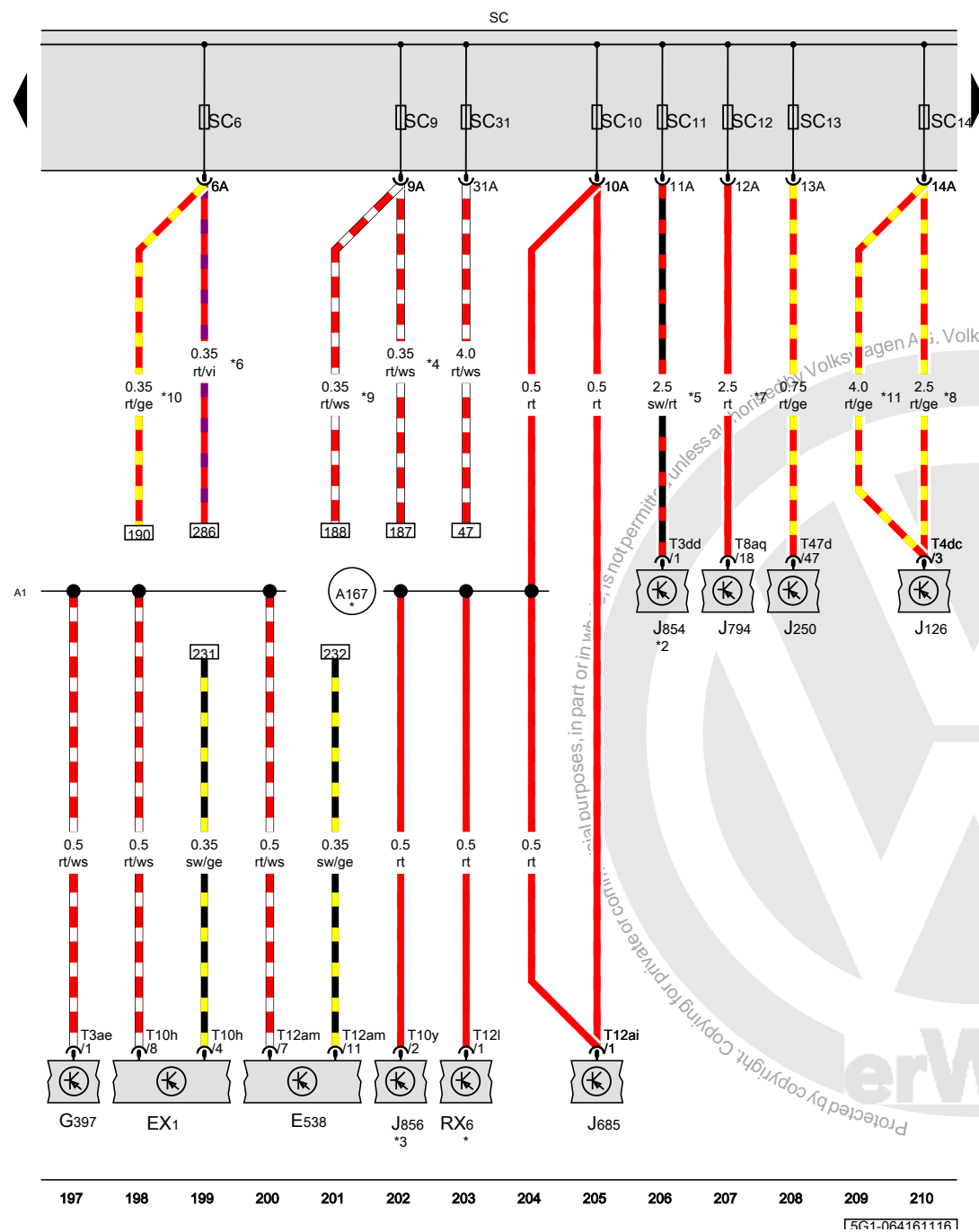
*4 Up to November 2015

*5 Wiring colour depends on equipment

*6 From May 2014

*7 From November 2015

ws = white
 sw = black
 ro = red
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 rs = pink



Fuse holder C

- EX1 Rotary light switch
- E538 Electromechanical parking brake button
- G397 Rain and light sensor
- J126 Fresh air blower control unit
- J250 Electronically controlled damping control unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J854 Control unit for front left belt tensioner
- J856 Control unit for navigation system
- RX6 TV tuner
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- T3ae 3-pin connector
- T3dd 3-pin connector
- T4dc 4-pin connector
- T8aq 8-pin connector, black
- T10h 10-pin connector
- T10y 10-pin connector
- T12ai 12-pin connector
- T12am 12-pin connector
- T12l 12-pin connector, black
- T47d 47-pin connector

A1 Positive connection (30a), in dash panel wiring harness

A167 Positive connection 3 (30a) in dash panel wiring harness

* According to equipment

*2 see applicable current flow diagram for airbag

*3 Only models with equipment for Korea

*4 Only models with no heated steering wheel

*5 Wiring colour depends on equipment

*6 Up to November 2015

*7 Cross section depends on equipment

*8 Up to May 2016

*9 Only models with heated steering wheel

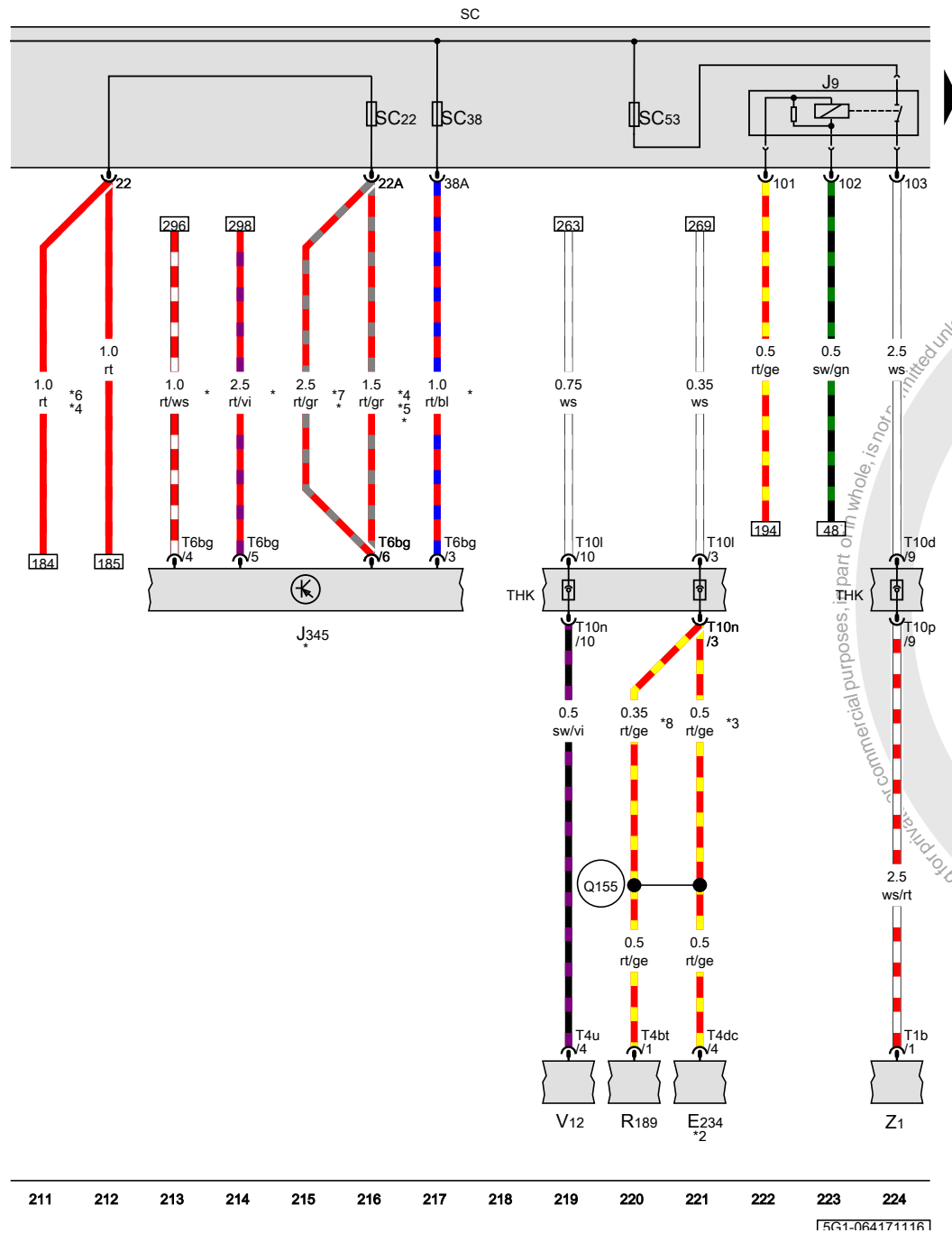
*10 From November 2015

*11 From May 2016

ws = white
sw = black
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rt = red
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or = orange
rs = pink

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Heated rear window relay, Fuse holder C

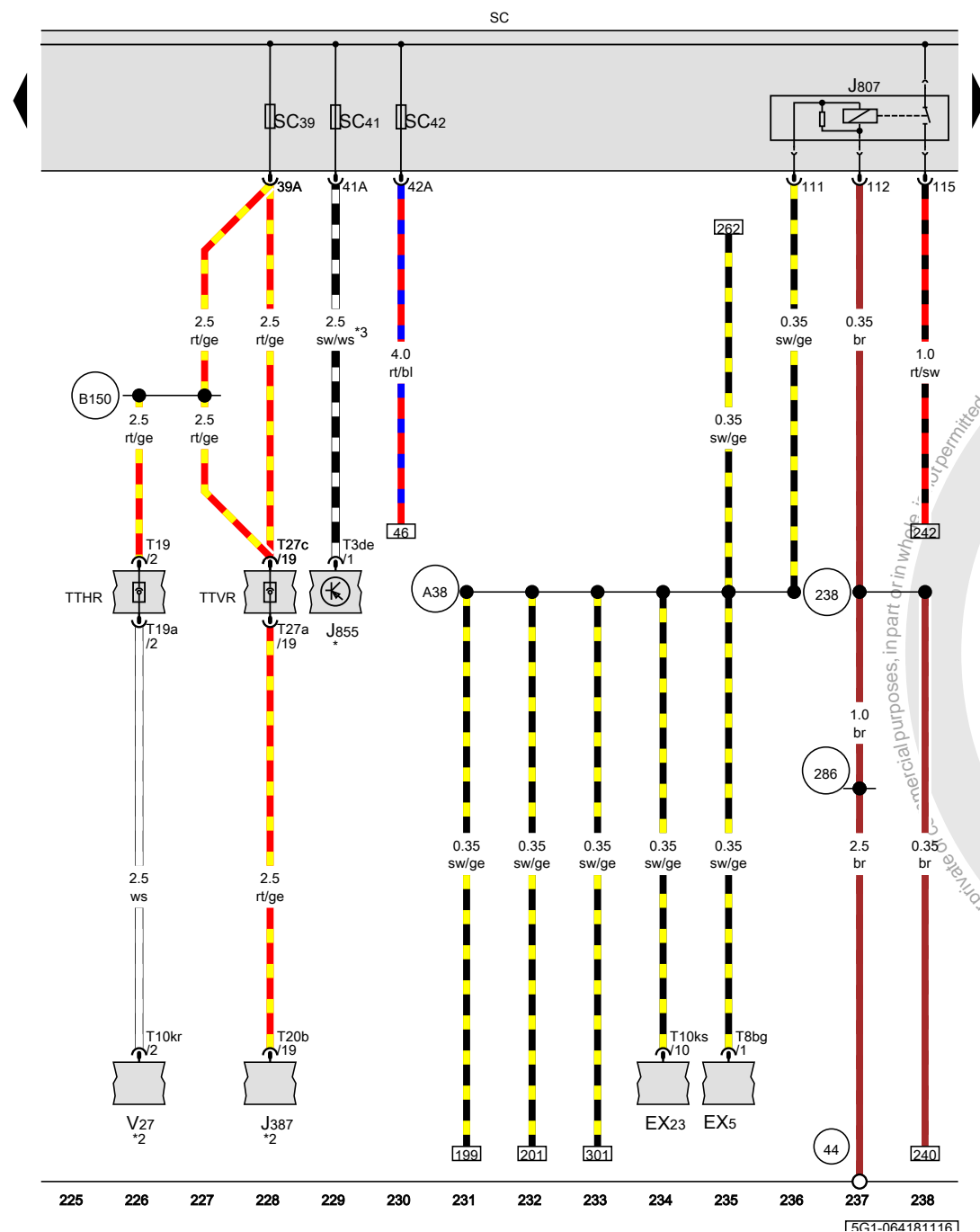


- E234 Rear lid handle release button
- J9 Heated rear window relay
- J345 Trailer detector control unit
- R189 Reversing camera
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T1b 1-pin connector
- T4bt 4-pin connector
- T4dc 4-pin connector
- T4u 4-pin connector
- T6bg 6-pin connector, black
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- Z1 Heated rear window

Q155 Connection (30a), in rear lid wiring harness

- * see applicable current flow diagram for towing bracket
- *2 Only models with reversing camera system
- *3 Up to May 2015
- *4 From May 2014
- *5 Up to October 2014
- *6 Only models with no heated steering wheel
- *7 From November 2014
- *8 From May 2015

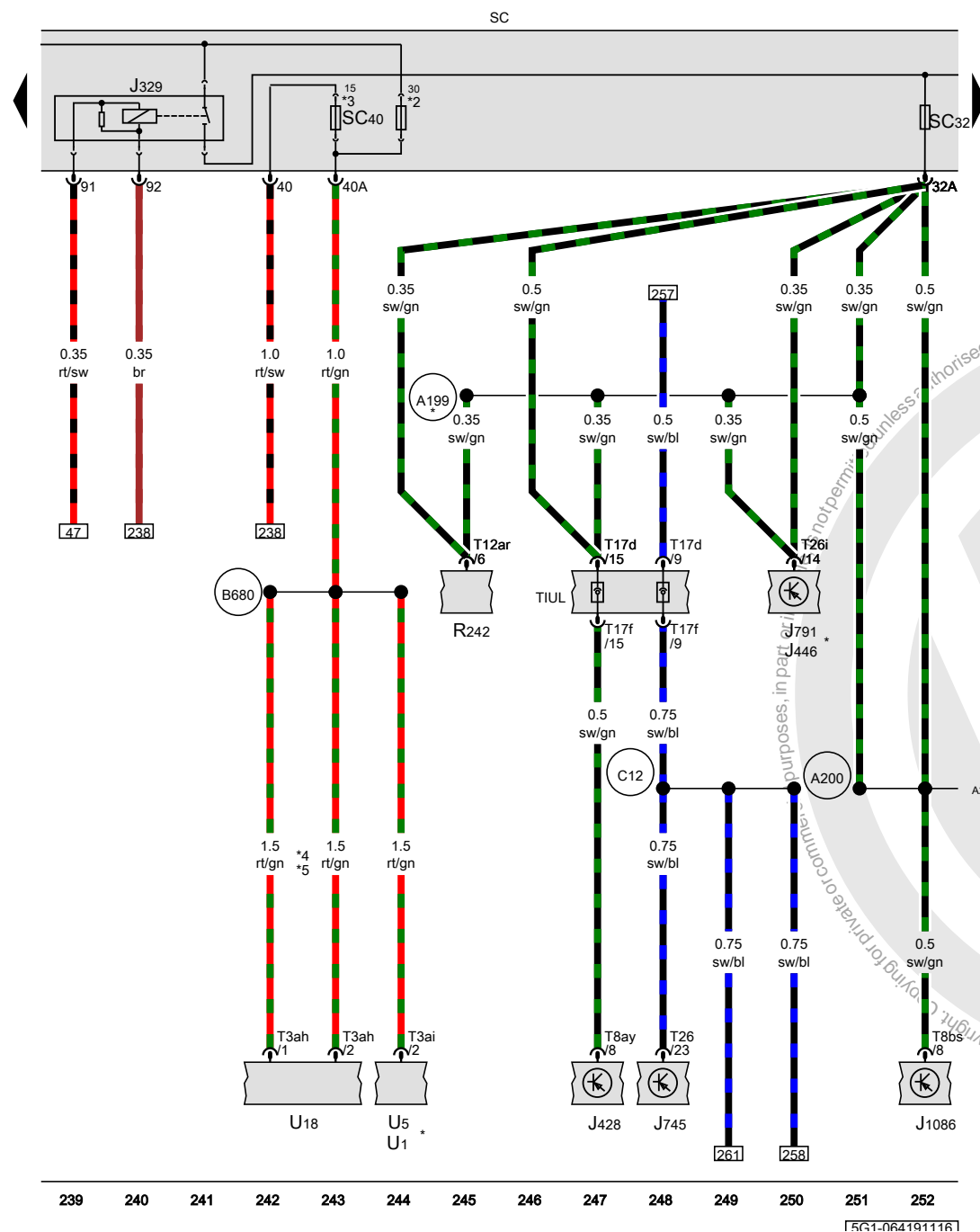
- ws = white
- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- ge = yellow
- or = orange
- rs = pink



Relay for power sockets, Fuse holder C

- EX5 Interior mirror
- EX23 Switch module 1 in centre console
- J387 Front passenger door control unit
- J807 Relay for power sockets
- J855 Control unit for front right belt tensioner
- SC Fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- T3de 3-pin connector
- T8bg 8-pin connector
- T10kr 10-pin connector
- T10ks 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- TTVR Coupling point for rear right door
- TTVR Coupling point for front right door
- V27 Rear right window regulator motor
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for convenience system
- *3 Wiring colour depends on equipment

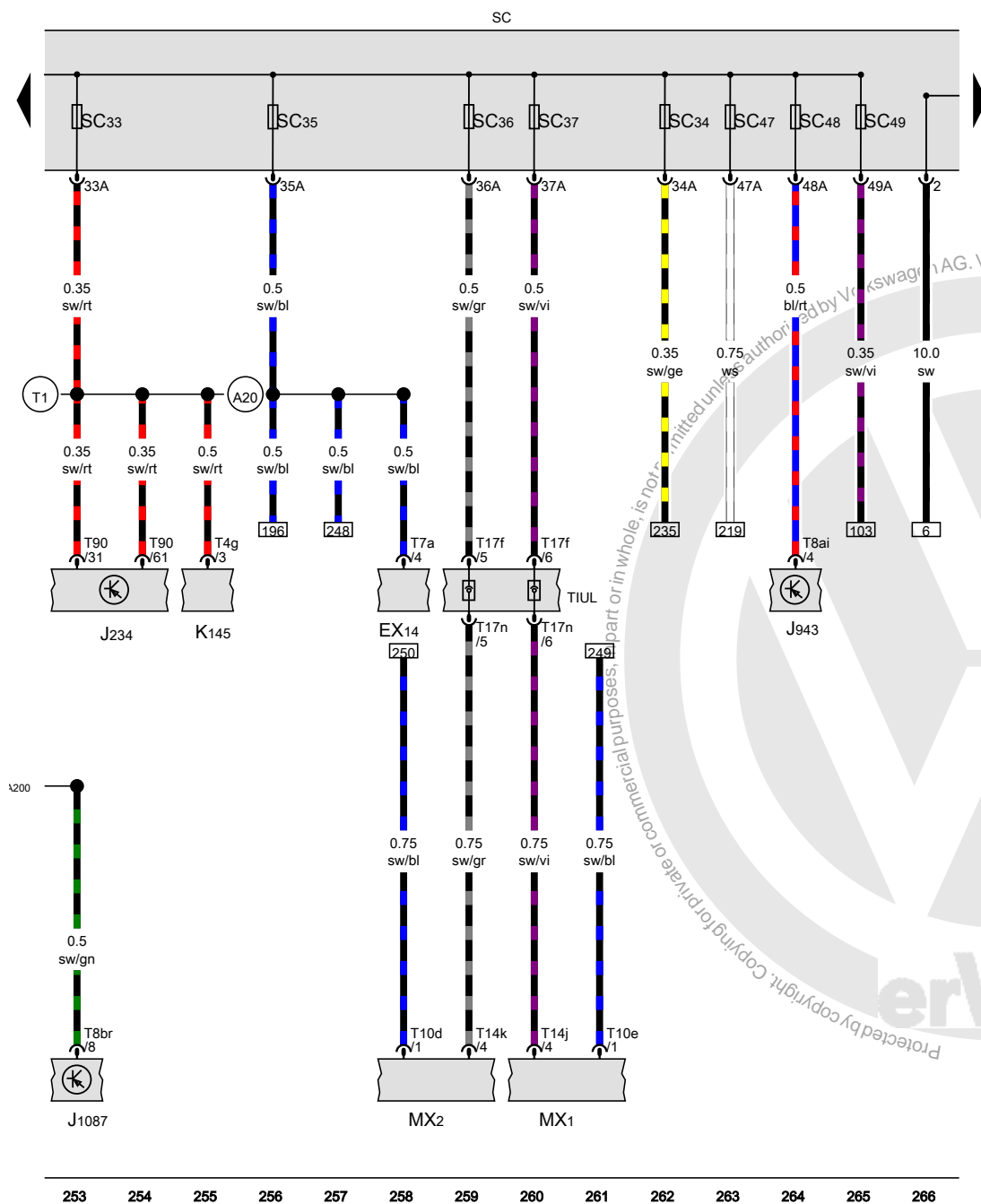
ws = white
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 rs = pink



Terminal 15 voltage supply relay, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J428 Adaptive cruise control unit
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- J791 Park assist steering control unit
- J1086 Blind Spot Monitor control unit
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- T3ah 3-pin connector
- T3ai 3-pin connector
- T8ay 8-pin connector
- T8bs 8-pin connector
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T26 26-pin connector
- T26i 26-pin connector
- TIUL Coupling point in interior, below left
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- C12 Positive connection 1, in headlight wiring harness
- * According to equipment
- *2 Power supply via terminal 30 possible
- *3 Factory fitted with power supply from terminal 15
- *4 From November 2014
- *5 Only for American markets

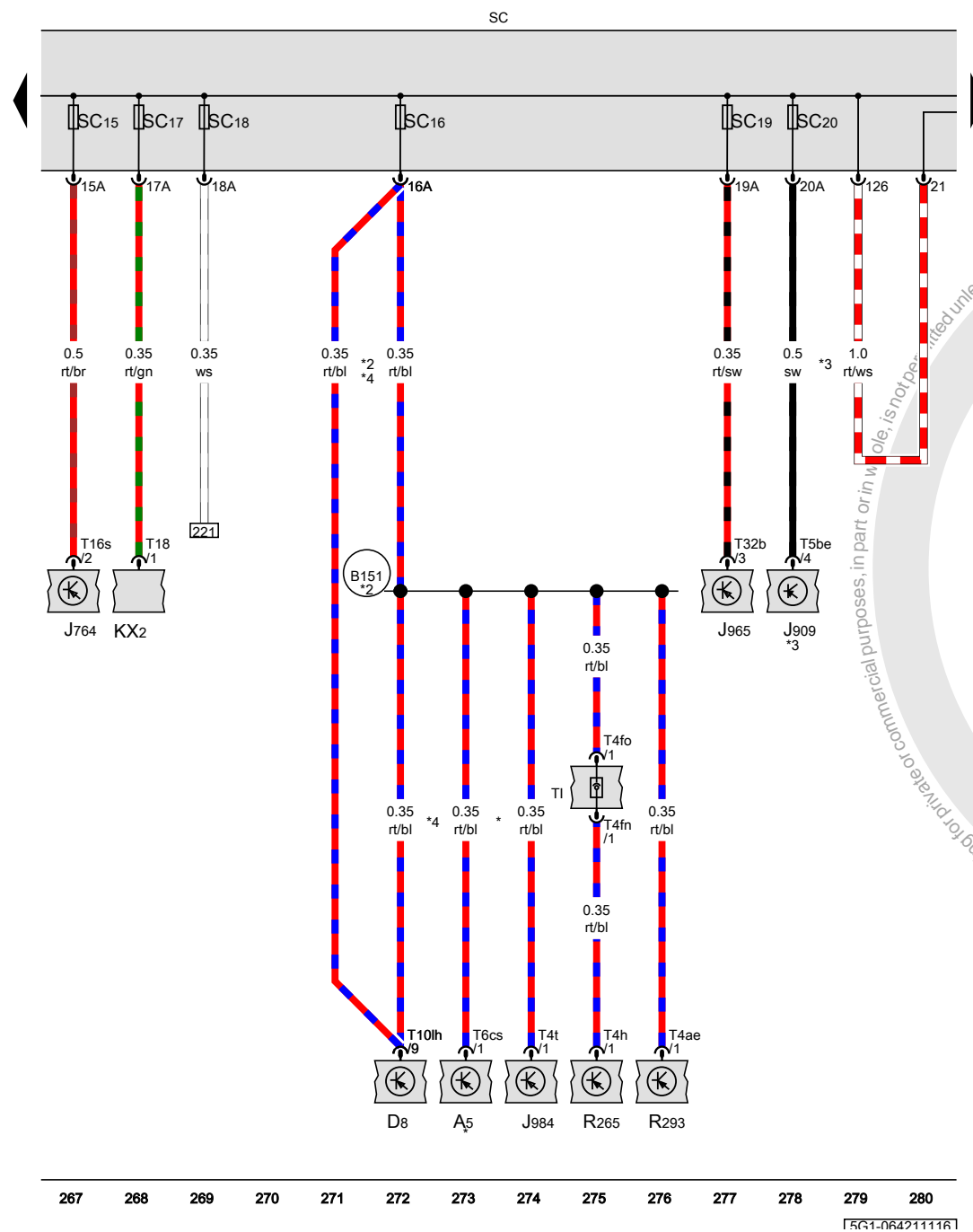
ws = white
 sw = black
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Fuse holder C

- EX14 Headlight range control and instrument illumination regulator
- J234 Airbag control unit
- J943 Engine sound generator control unit
- J1087 Blind Spot Monitor control unit 2
- K145 Front passenger side airbag deactivated warning lamp
- MX1 Front left headlight
- MX2 Front right headlight
- SC Fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T4g 4-pin connector
- T7a 7-pin connector
- T8ai 8-pin connector
- T8br 8-pin connector
- T10d 10-pin connector, black
- T10e 10-pin connector
- T14j 14-pin connector
- T14k 14-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- A20 Positive connection (15a), in dash panel wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- T1 Positive connection 1, in airbag wiring harness

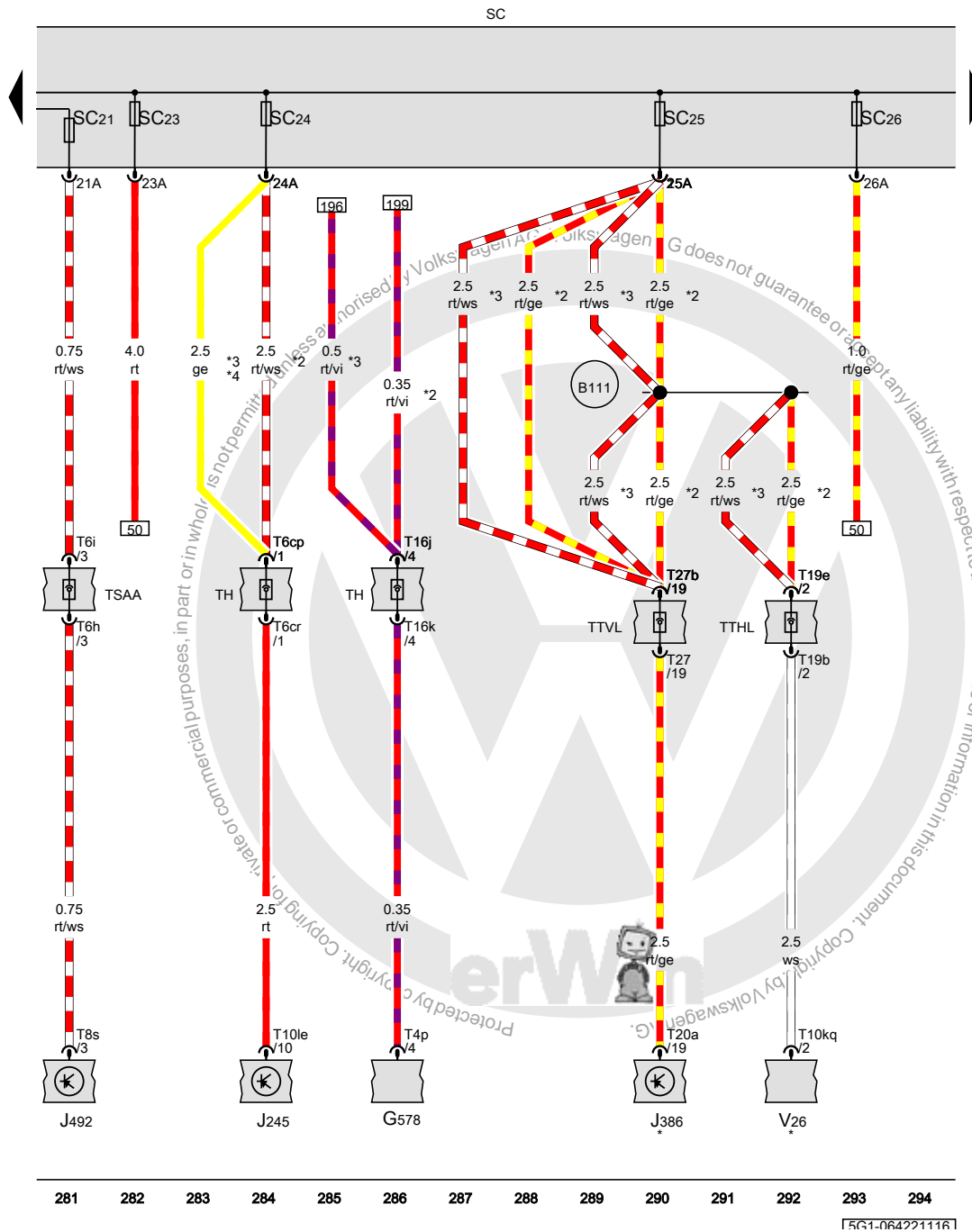
ws = white
sw = black
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Fuse holder C

- A5 Voltage converter for USB charge module, under centre console
- D8 Chip card reader
- J764 Control unit for electronic steering column lock
- J909 Control unit for fuel tank leak detection
- J965 Interface for entry and start system
- J984 Two-way signal amplifier for mobile telephone/data services
- KX2 Dash panel insert
- R265 Storage compartment with interface for mobile telephone
- R293 USB hub, under centre console
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4h 4-pin connector
- T4t 4-pin connector
- T5be 5-pin connector
- T6cs 6-pin connector
- T10lh 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector
- T32b 32-pin connector
- TI Coupling point in interior, in centre console
- B151 Positive connection 3 (30a), in interior wiring harness
- * Up to November 2015
- *2 According to equipment
- *3 Only for American markets
- *4 Only models with equipment for Japan

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Fuse holder C

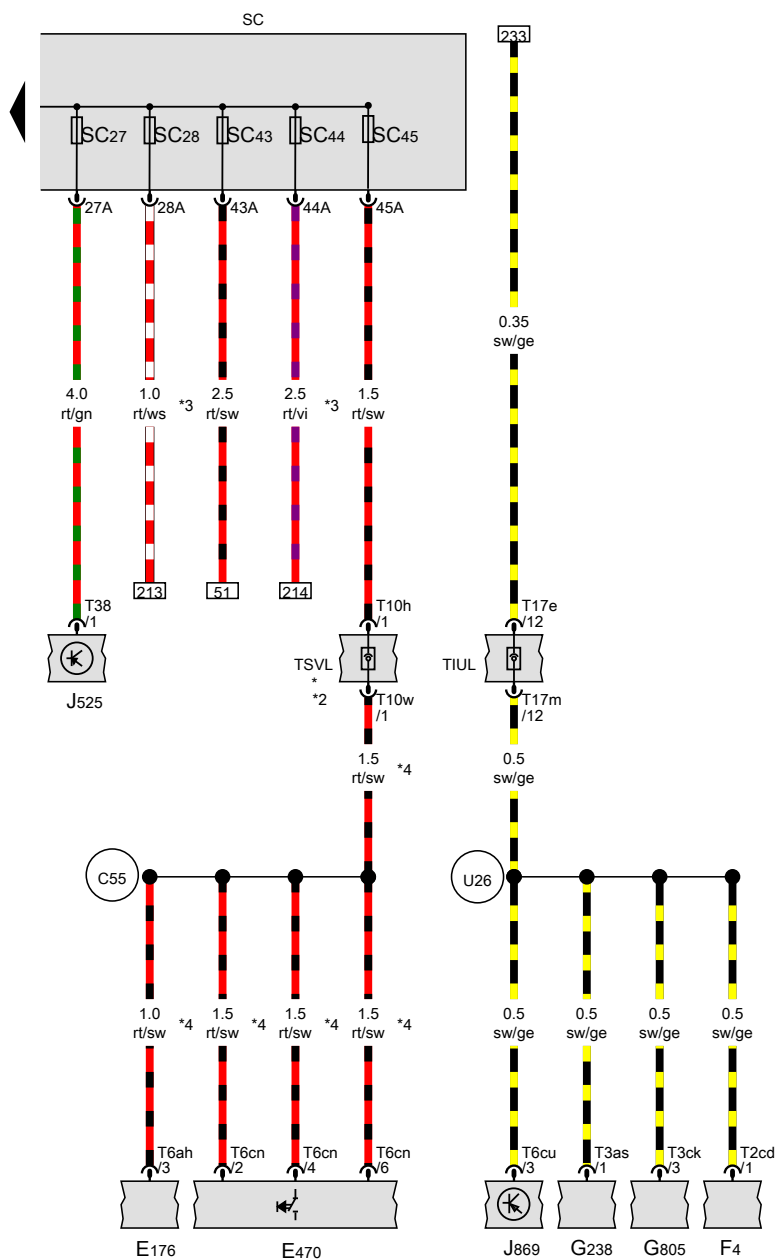
- G578 Anti-theft alarm sensor
- J245 Sliding sunroof adjustment control unit
- J386 Driver door control unit
- J492 All-wheel drive control unit
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- T4p 4-pin connector
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8s 8-pin connector
- T10kq 10-pin connector
- T10le 10-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T19b 19-pin connector, black
- T19e 19-pin connector, black
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- TH Coupling point for roof
- TSAA Coupling point for all-wheel drive
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- V26 Rear left window regulator motor

B111 Positive connection 1 (30a), in interior wiring harness

- * see applicable current flow diagram for convenience system
- *2 Up to November 2015
- *3 From November 2015
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
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- vi = purple
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- rs = pink

15C1-064221116



Fuse holder C

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- F4 Reversing light switch
- G238 Air quality sensor
- G805 Pressure sender for refrigerant circuit
- J525 Digital sound package control unit
- J869 Control unit for structure-borne sound
- SC Fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T2cd 2-pin connector
- T3as 3-pin connector
- T3ck 3-pin connector
- T6ah 6-pin connector
- T6cn 6-pin connector
- T6cu 6-pin connector
- T10h 10-pin connector, black
- T10w 10-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T38 38-pin connector
- TIUL Coupling point in interior, below left
- TSVL Coupling point for front left seat
- C55 Positive connection (30a), in front left wiring harness
- U26 Connection (15), in gearbox switch wiring harness
- * Left-hand drive models
- *2 see applicable current flow diagram
- *3 see applicable current flow diagram for towing bracket
- *4 Wiring colour depends on equipment

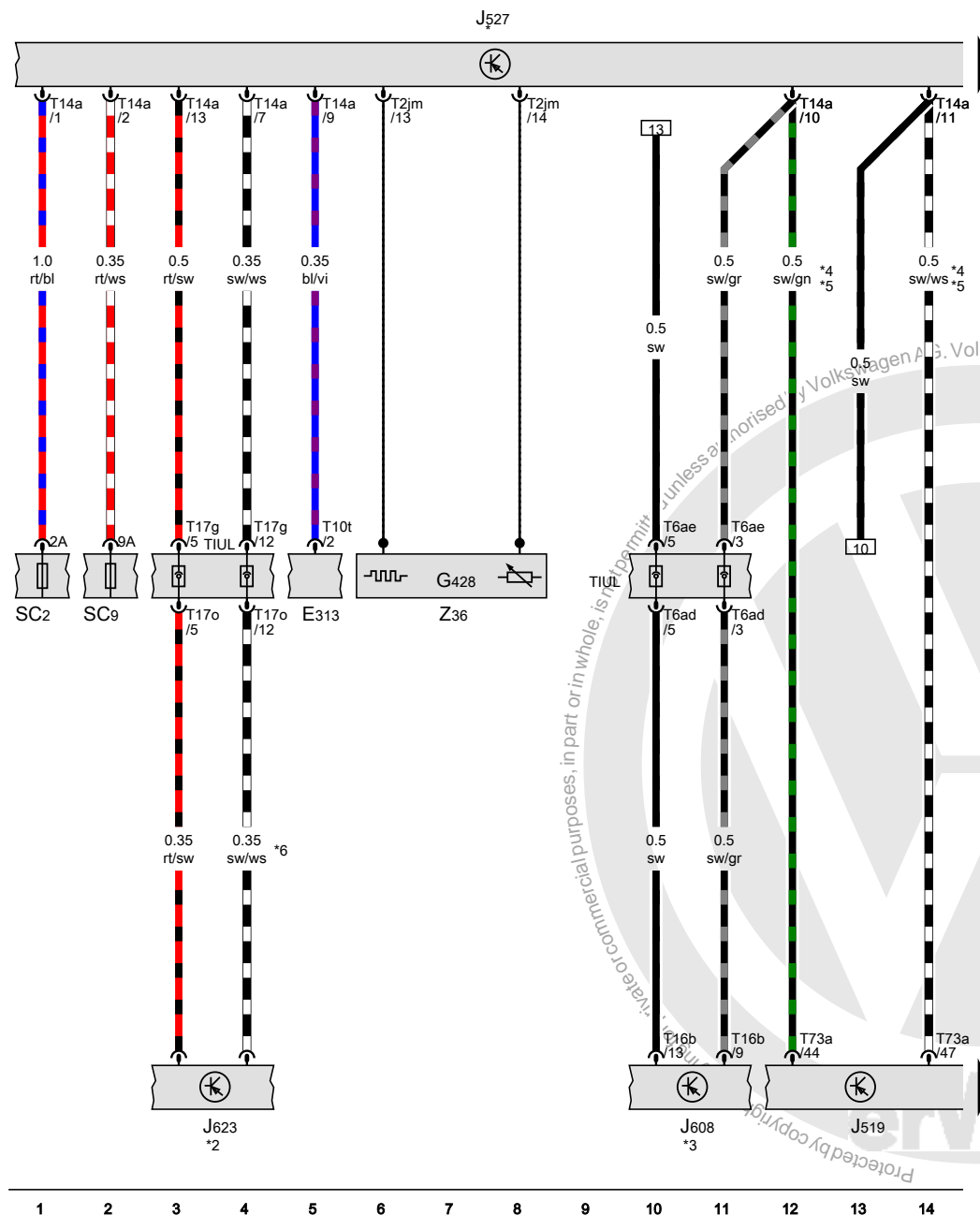
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 or = orange
 rs = pink

Steering column electronics for heated steering wheel , (2ZW),(2ZD)

From November 2013

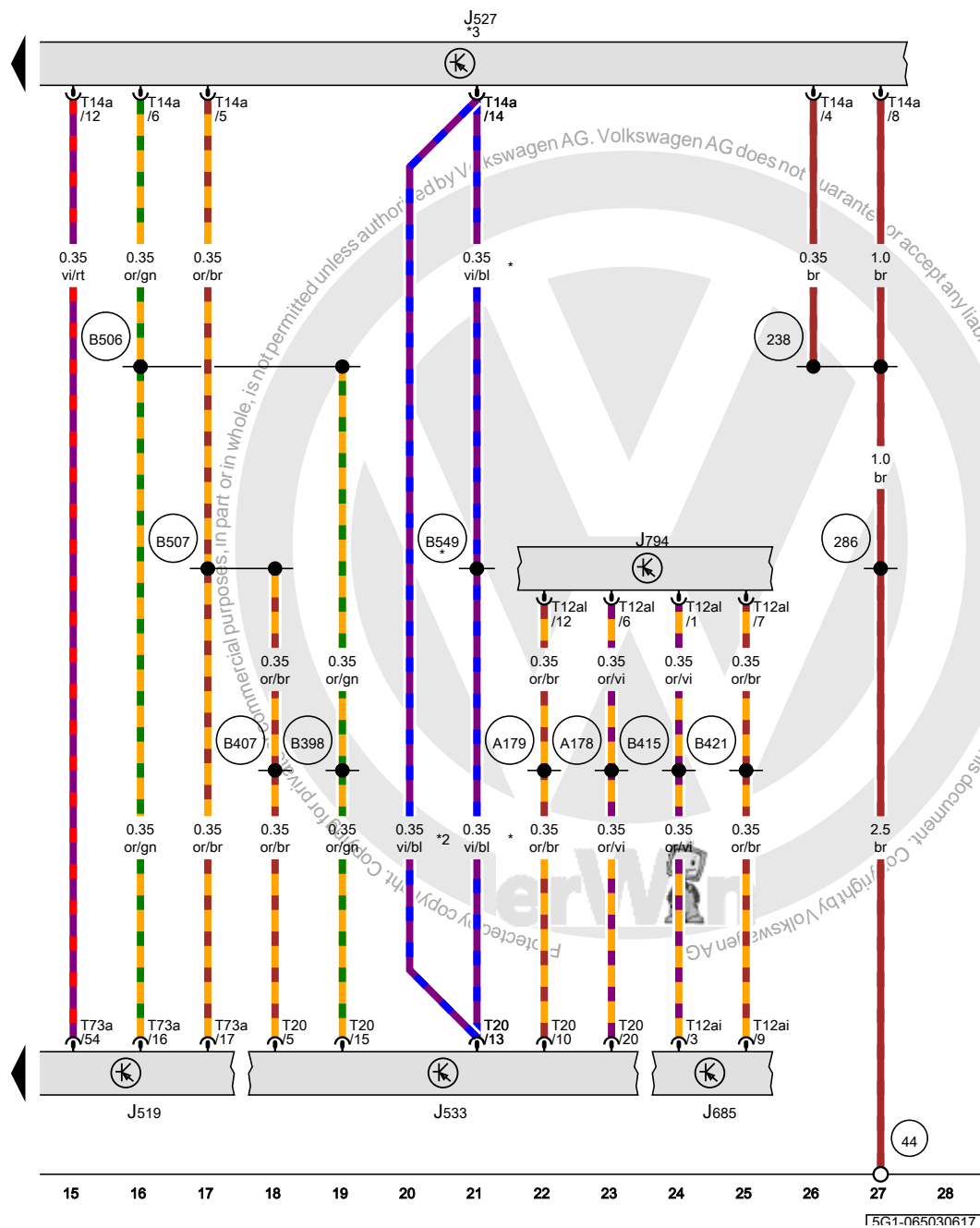


Steering column electronics control unit, Heated steering wheel



- E313 Selector lever
- G428 Heated steering wheel sender
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J608 Special vehicle control unit
- J623 Engine/motor control unit
- SC2 Fuse 2 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- T2jm 2-pin connector
- T6ad 6-pin connector, black
- T6ae 6-pin connector, black
- T10t 10-pin connector
- T14a 14-pin connector
- T16b 16-pin connector, brown
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T73a 73-pin connector
- TIUL Coupling point in interior, below left
- Z36 Heated steering wheel
- * see applicable current flow diagram for basic equipment
- *2 see applicable current flow diagram for engine
- *3 see applicable current flow diagram for special purpose vehicles
- *4 Wiring colour depends on equipment
- *5 According to equipment
- *6 For models with cruise control system (CCS)

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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Steering column electronics control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- T12ai 12-pin connector
- T12al 12-pin connector
- T14a 14-pin connector
- T20 20-pin connector
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

- * Up to November 2015
- *2 From November 2015
- *3 see applicable current flow diagram for basic equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
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Convenience system, right-hand drive , (L0R)

From November 2013

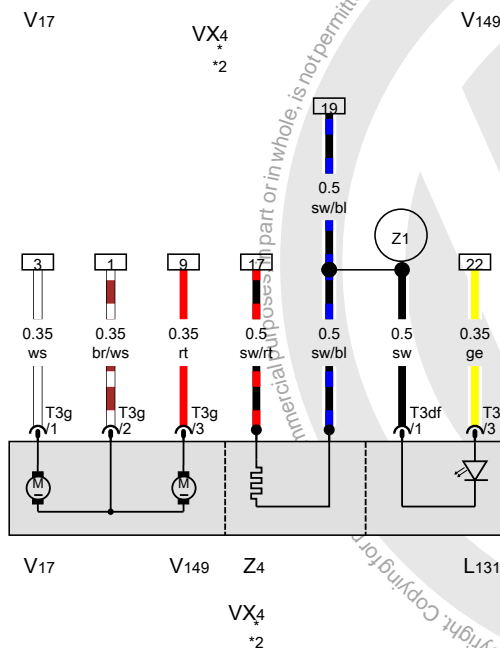
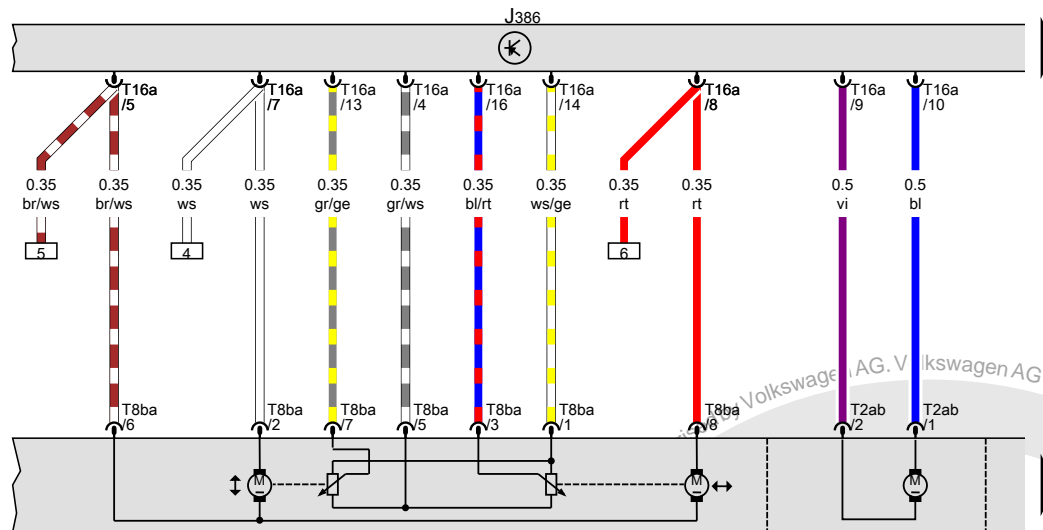


Driver door control unit, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor

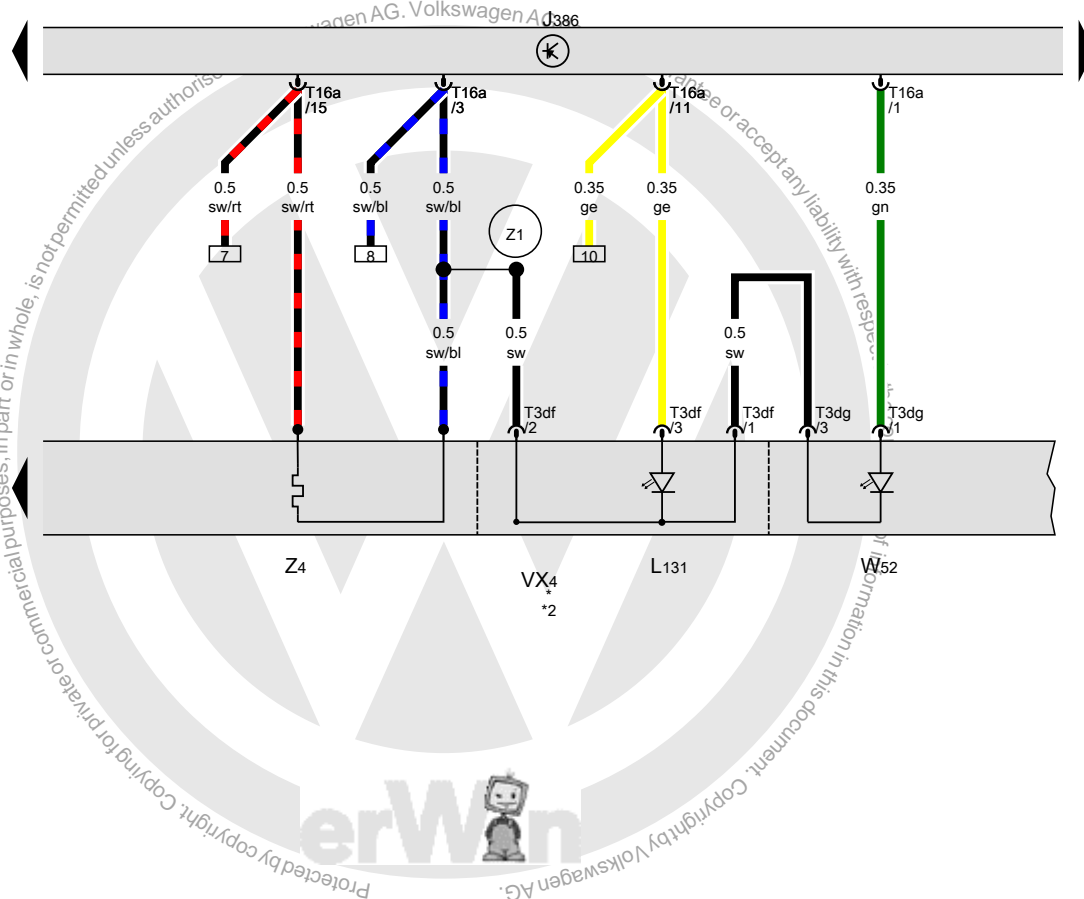
- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T2ab 2-pin connector
- T3df 3-pin connector
- T3g 3-pin connector
- T8ba 8-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

Z1 Connection 1, in mirror adjustment/heating wiring harness

- * According to equipment
- *2 Pre-wired component



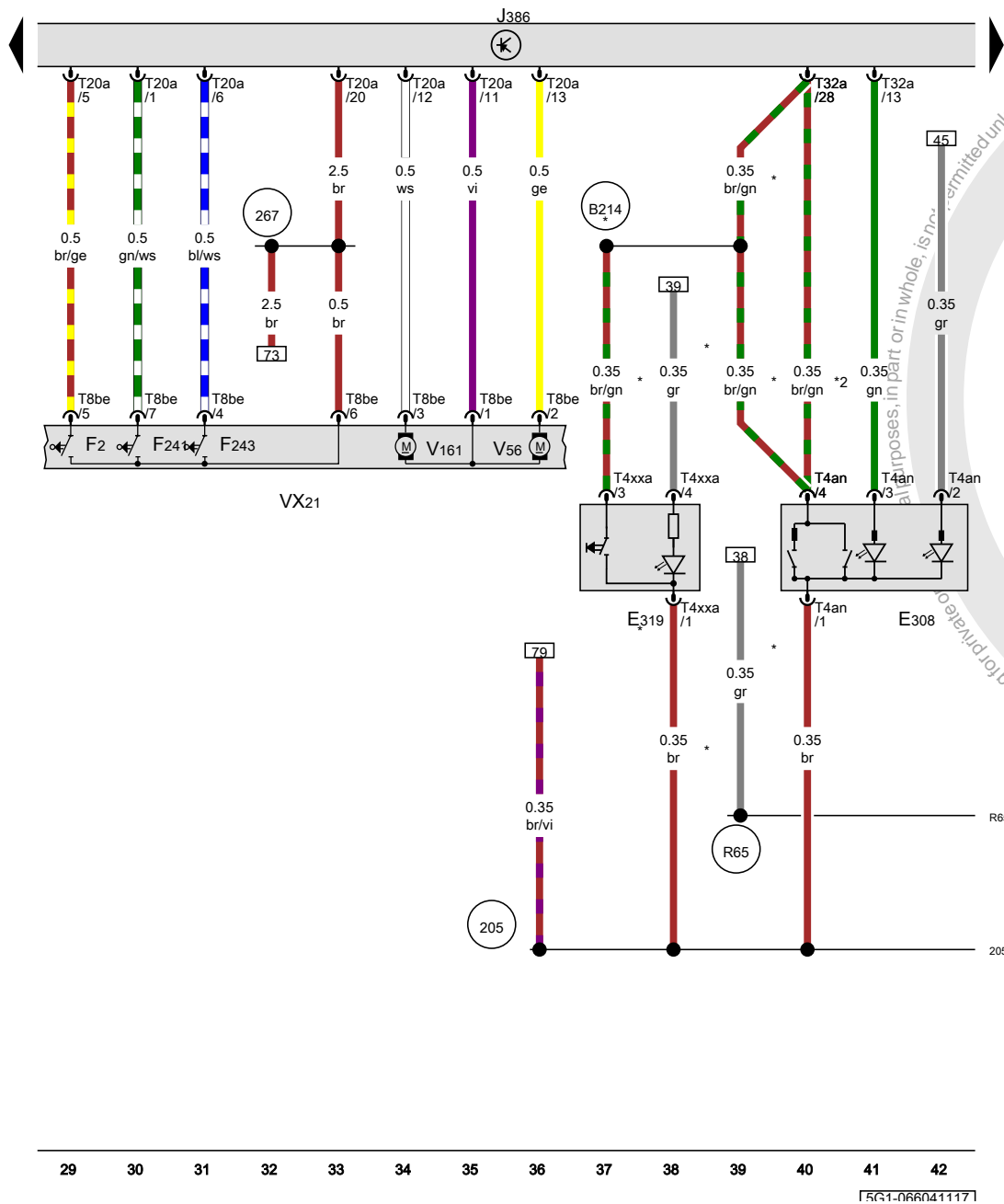
- ws = white
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- ro = red
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- gn = green
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Driver door control unit, Driver side turn signal repeater bulb, Driver side exterior mirror, Heated exterior mirror on driver side

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T3df 3-pin connector
- T3dg 3-pin connector
- T16a 16-pin connector
- VX4 Driver side exterior mirror
- W52 Entry light in exterior mirror, driver side
- Z4 Heated exterior mirror on driver side
- Z1 Connection 1, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

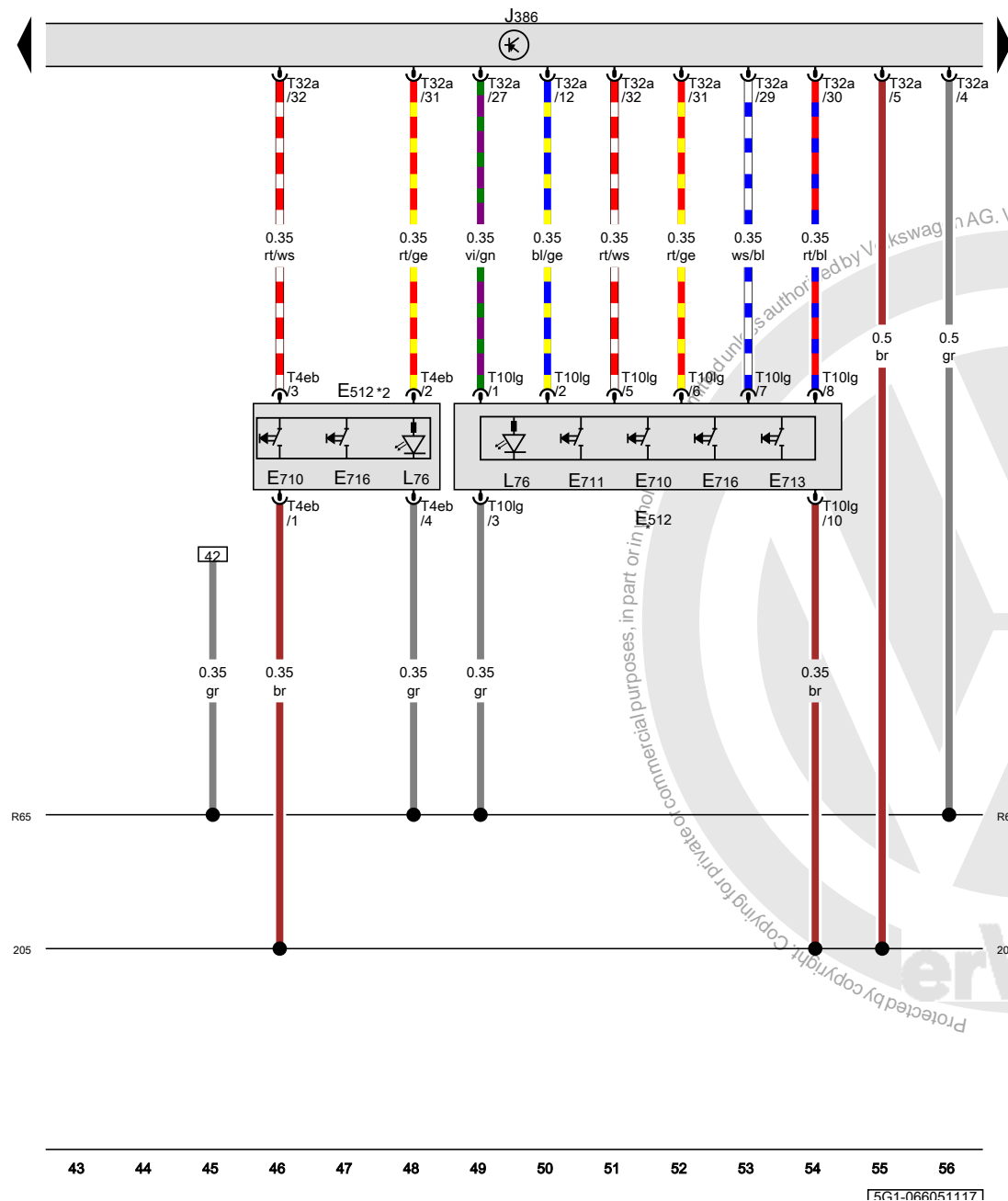
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Driver side interior locking button for central locking system, Fuel tank flap release button, Driver door contact switch, Driver side contact switch in lock cylinder, Driver door central locking actuator for SAFELOCK function, Driver door control unit, Driver door lock unit, Driver door central locking motor, Driver door central locking SAFELOCK function motor

- E308 Driver side interior locking button for central locking system
- E319 Fuel tank flap release button
- F2 Driver door contact switch
- F241 Driver side contact switch in lock cylinder
- F243 Driver door central locking actuator for SAFELOCK function
- J386 Driver door control unit
- T4an 4-pin connector
- T4xxa 4-pin connector
- T8be 8-pin connector
- T20a 20-pin connector
- T32a 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor
- 205 Earth connection, in driver door wiring harness
- 267 Earth connection 2, in drive side door wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- R65 Positive connection (58), in driver door wiring harness
- * For models with hybrid drive system
- *2 For models with no hybrid drive system

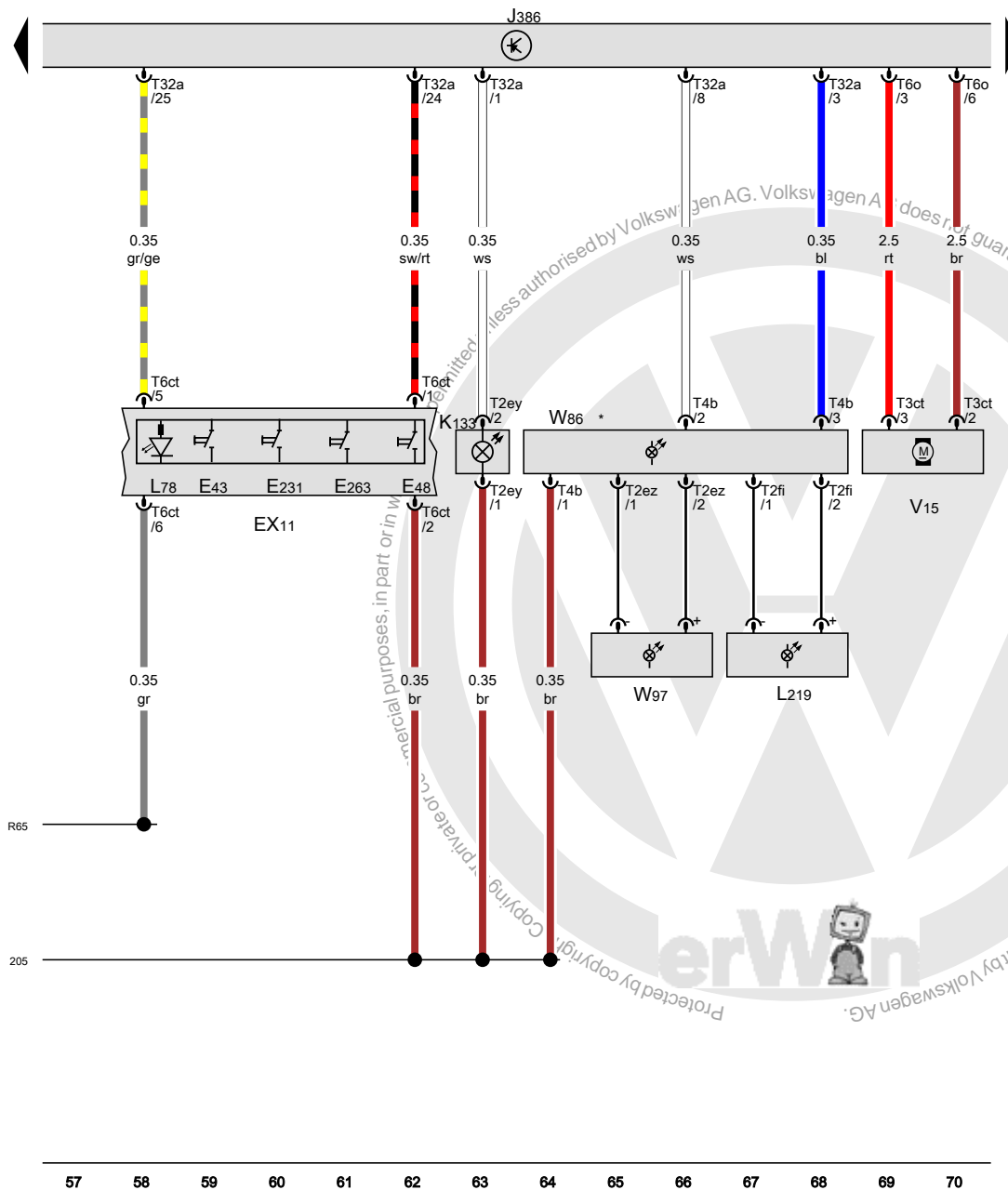
Operating unit for window regulator in driver door, Driver door control unit



- E512 Operating unit for window regulator in driver door
- E710 Front driver side window regulator button
- E711 Rear driver side window regulator button
- E713 Rear passenger side window regulator button
- E716 Front passenger side window regulator button
- J386 Driver door control unit
- L76 Button illumination bulb
- T4eb 4-pin connector
- T10lg 10-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- R65 Positive connection (58), in driver door wiring harness
- * For models with 4 doors
- *2 For models with 2 doors

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- bl = blue
- gr = grey
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- rs = pink



Exterior mirror adjuster, Driver door control unit, Central locking SAFELOCK function warning lamp, Light for driver side interior door handle illumination, Right window regulator motor, Light for driver door background lighting, Light 2 for driver door background lighting

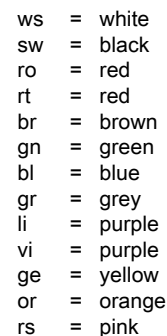
- EX11 Exterior mirror adjuster
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- L78 Mirror adjustment switch illumination bulb
- L219 Light for driver side interior door handle illumination
- T2ey 2-pin connector
- T2ez 2-pin connector
- T2fi 2-pin connector
- T3ct 3-pin connector
- T4b 4-pin connector
- T6ct 6-pin connector
- T6o 6-pin connector
- T32a 32-pin connector
- V15 Right window regulator motor
- W86 Light for driver door background lighting
- W97 Light 2 for driver door background lighting

205 Earth connection, in driver door wiring harness

R65 Positive connection (58), in driver door wiring harness

* According to equipment

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J386	Driver door control unit
SC39	Fuse 39 on fuse holder C
T3ac	3-pin connector
T20a	20-pin connector
T27a	27-pin connector, black
T27c	27-pin connector, black
T32a	32-pin connector
TTVR	Coupling point for front right door
W68	Light conductor for front right sill panel moulding background lighting
249	Earth connection 2, in interior wiring harness
638	Earth point, on right A-pillar
B150	Positive connection 2 (30a), in interior wiring harness
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness
*	For models with 4 doors
*2	For models with 2 doors

Front passenger door control unit, Fuse 25 on fuse holder C, Coupling point for front left door, Light conductor for front left sill panel moulding background lighting

- J387 Front passenger door control unit
- SC25 Fuse 25 on fuse holder C
- T3ab 3-pin connector
- T20b 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32c 32-pin connector
- TTVL Coupling point for front left door
- W67 Light conductor for front left sill panel moulding background lighting

B111 Positive connection 1 (30a), in interior wiring harness

B506 Connection (convenience CAN bus, high), in interior wiring harness

B507 Connection (convenience CAN bus, low), in interior wiring harness

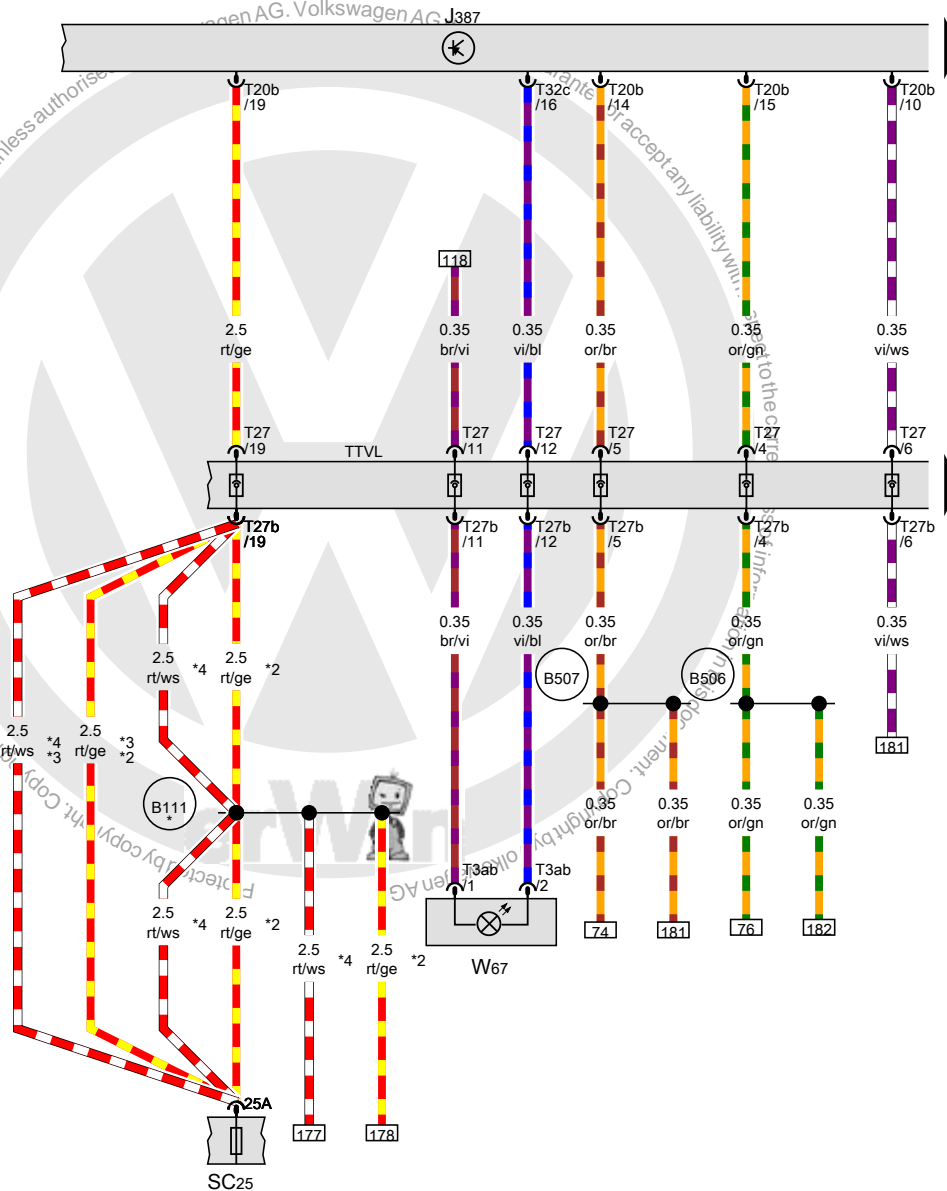
* For models with 4 doors

*2 Up to November 2015

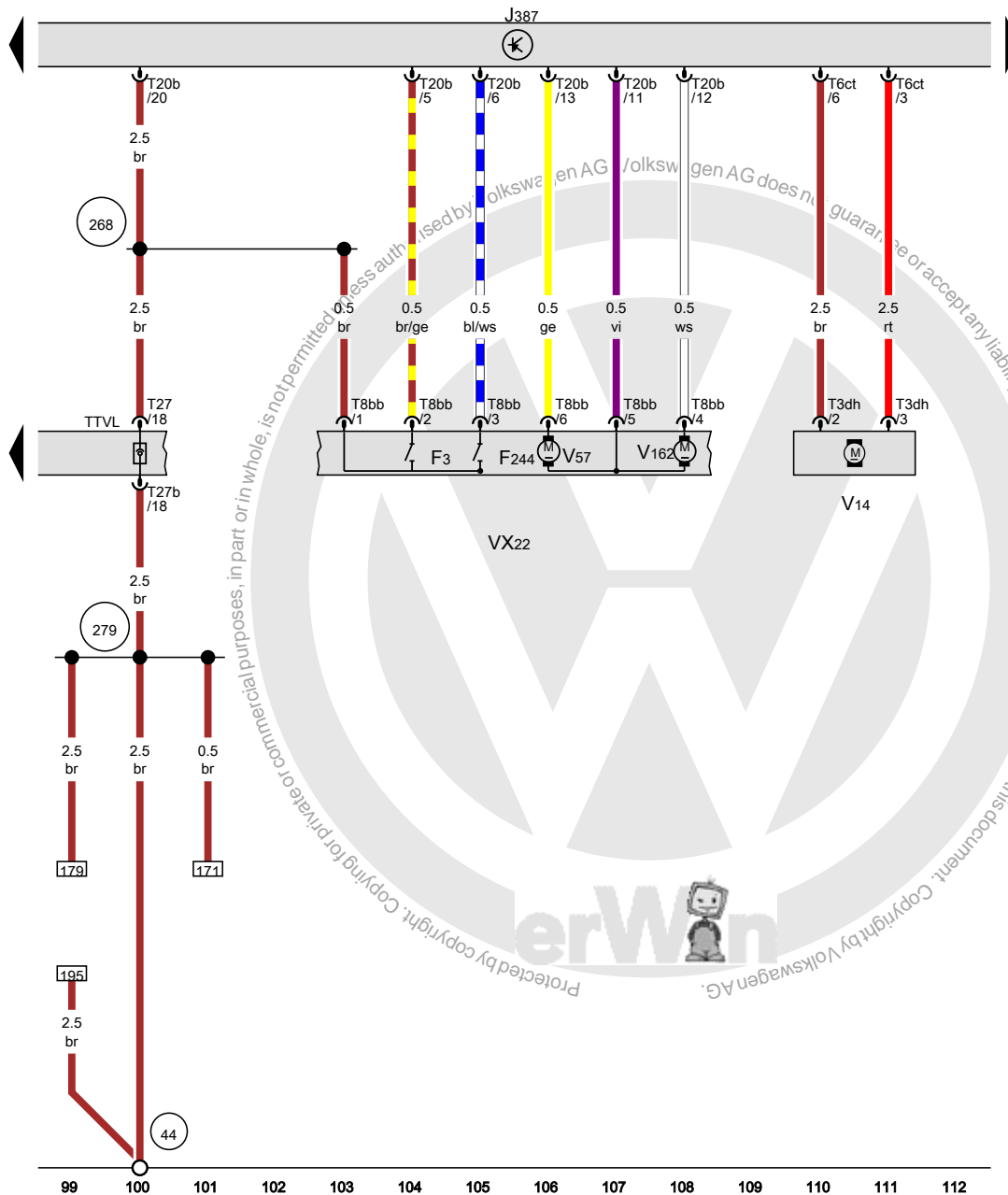
*3 For models with 2 doors

*4 From November 2015

ws = white
sw = black
ro = red
rt = red
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



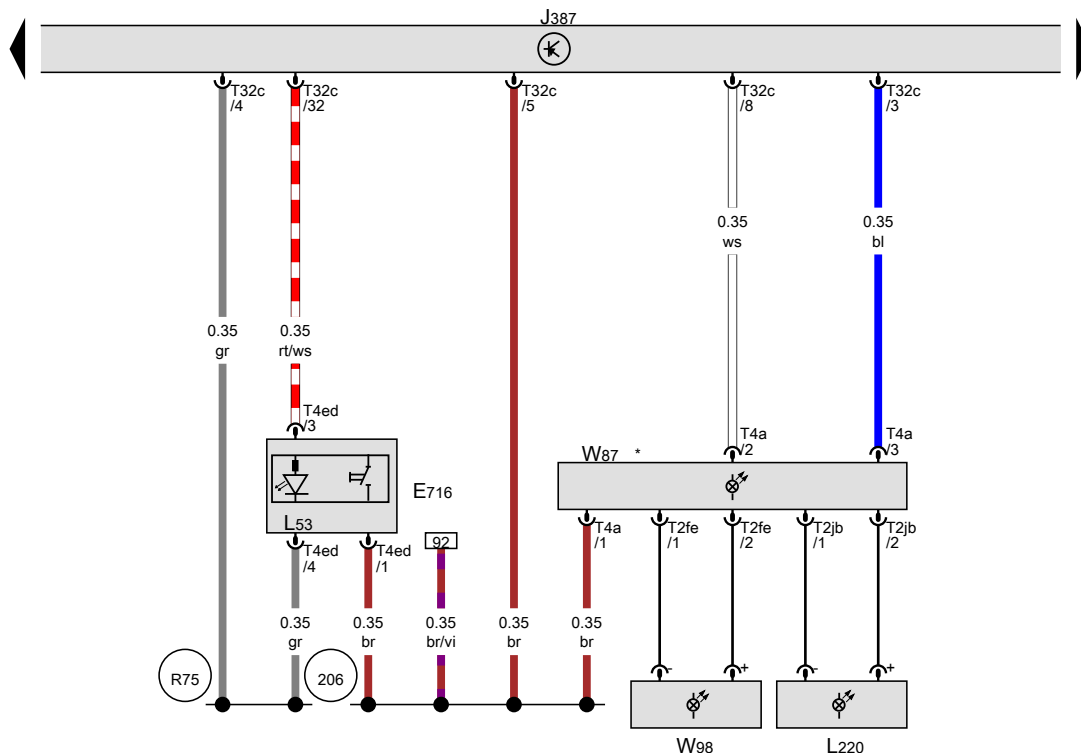
Front passenger door control unit, Coupling point for front left door, Left window regulator motor, Front passenger door lock unit



- F3 Front passenger door contact switch
- F244 Front passenger door central locking actuator for SAFELOCK function
- J387 Front passenger door control unit
- T3dh 3-pin connector
- T6ct 6-pin connector
- T8bb 8-pin connector
- T20b 20-pin connector
- T27 27-pin connector, black
- TTVL Coupling point for front left door
- V14 Left window regulator motor
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

- 44 Earth point, lower part of left A-pillar
- 268 Earth connection 2, in front passenger side door wiring harness
- 279 Earth connection 5, in interior wiring harness

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- gr = grey
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- ge = yellow
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Front passenger side window regulator button, Front passenger door control unit, Light for passenger side interior door handle illumination, Light for passenger door background lighting, Light 2 for passenger door background lighting

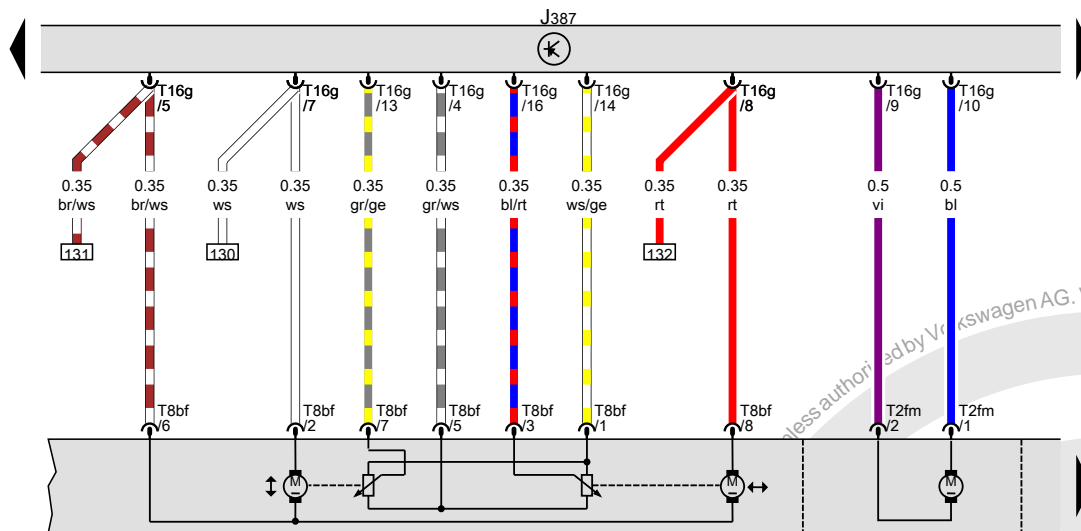
- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- L53 Window regulator switch illumination bulb
- L220 Light for passenger side interior door handle illumination
- T2fe 2-pin connector
- T2jb 2-pin connector
- T4a 4-pin connector
- T4ed 4-pin connector
- T32c 32-pin connector
- W87 Light for passenger door background lighting
- W98 Light 2 for passenger door background lighting

206 Earth connection, in front passenger door wiring harness

R75 Connection 1 (58d), in door control unit wiring harness

* According to equipment

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

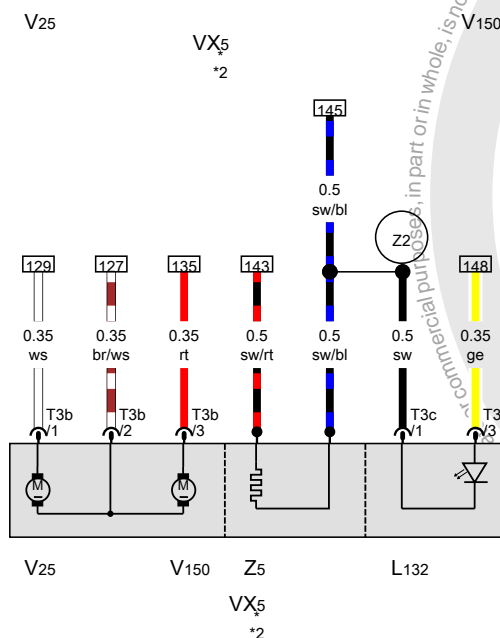


Front passenger door control unit, Passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

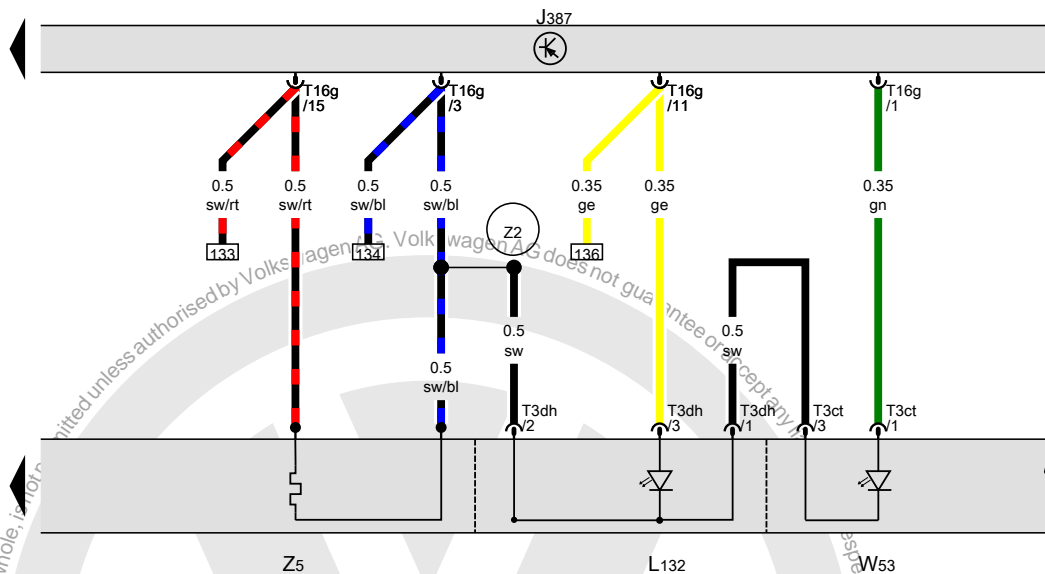
- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T2fm 2-pin connector
- T3b 3-pin connector
- T3c 3-pin connector
- T8bf 8-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on passenger side

Z2 Connection 2, in mirror adjustment/heating wiring harness

- * According to equipment
- *2 Pre-wired component



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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Front passenger door control unit, Front passenger side turn signal repeater bulb, Passenger side exterior mirror, Heated exterior mirror on passenger side

- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T3ct 3-pin connector
- T3dh 3-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- W53 Entry light in exterior mirror, passenger side
- Z5 Heated exterior mirror on passenger side
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- * According to equipment
- *2 Pre-wired component

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 vi = purple
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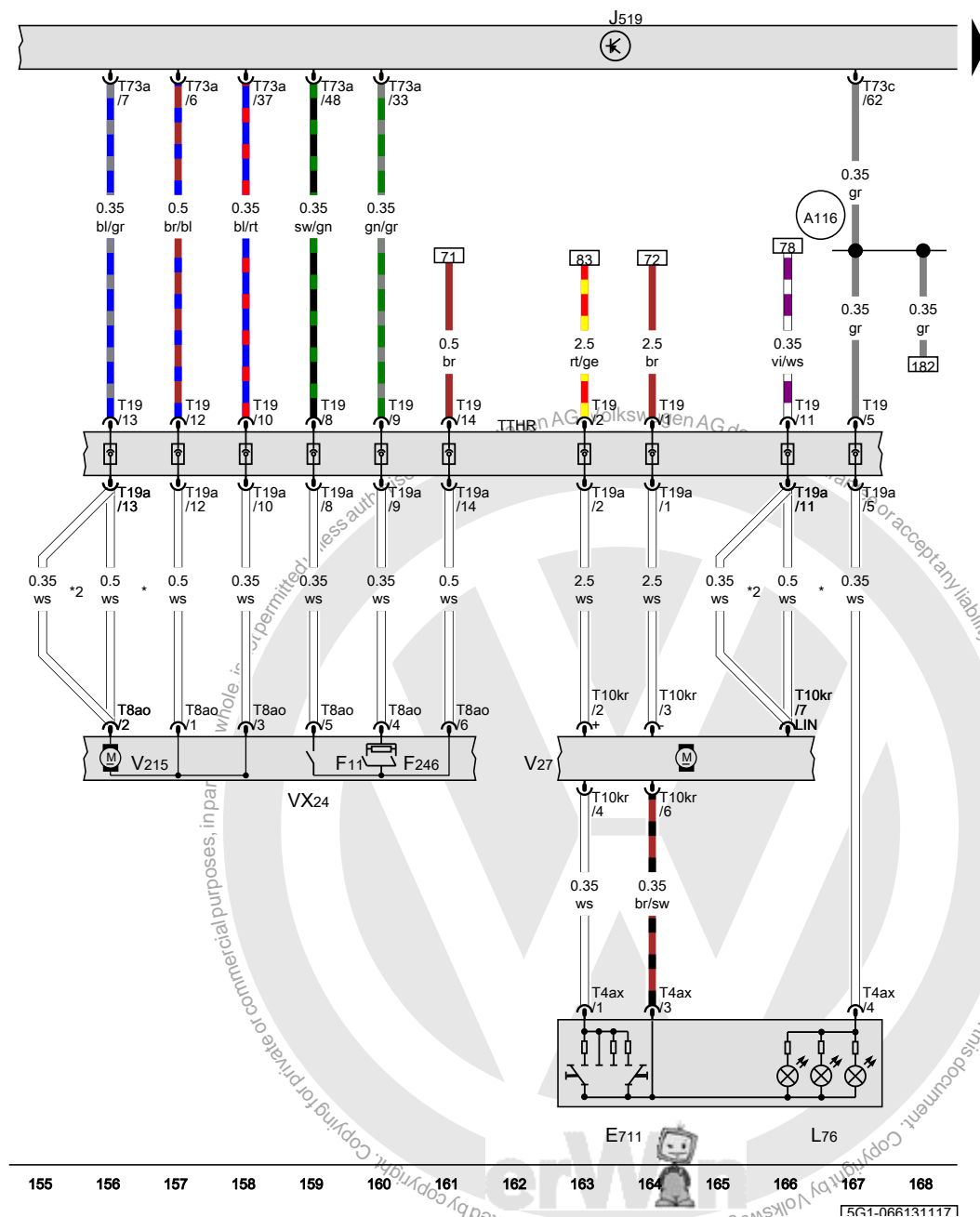
Rear driver side window regulator button, Rear right door contact switch, Onboard supply control unit, Rear right door lock unit, Rear right window regulator motor

- E711 Rear driver side window regulator button
- F11 Rear right door contact switch
- F246 Rear right door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ax 4-pin connector
- T8ao 8-pin connector
- T10kr 10-pin connector, black
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TTHR Coupling point for rear right door
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

A116 Connection 2 (58d), in dash panel wiring harness

* Up to May 2015

*2 From May 2015

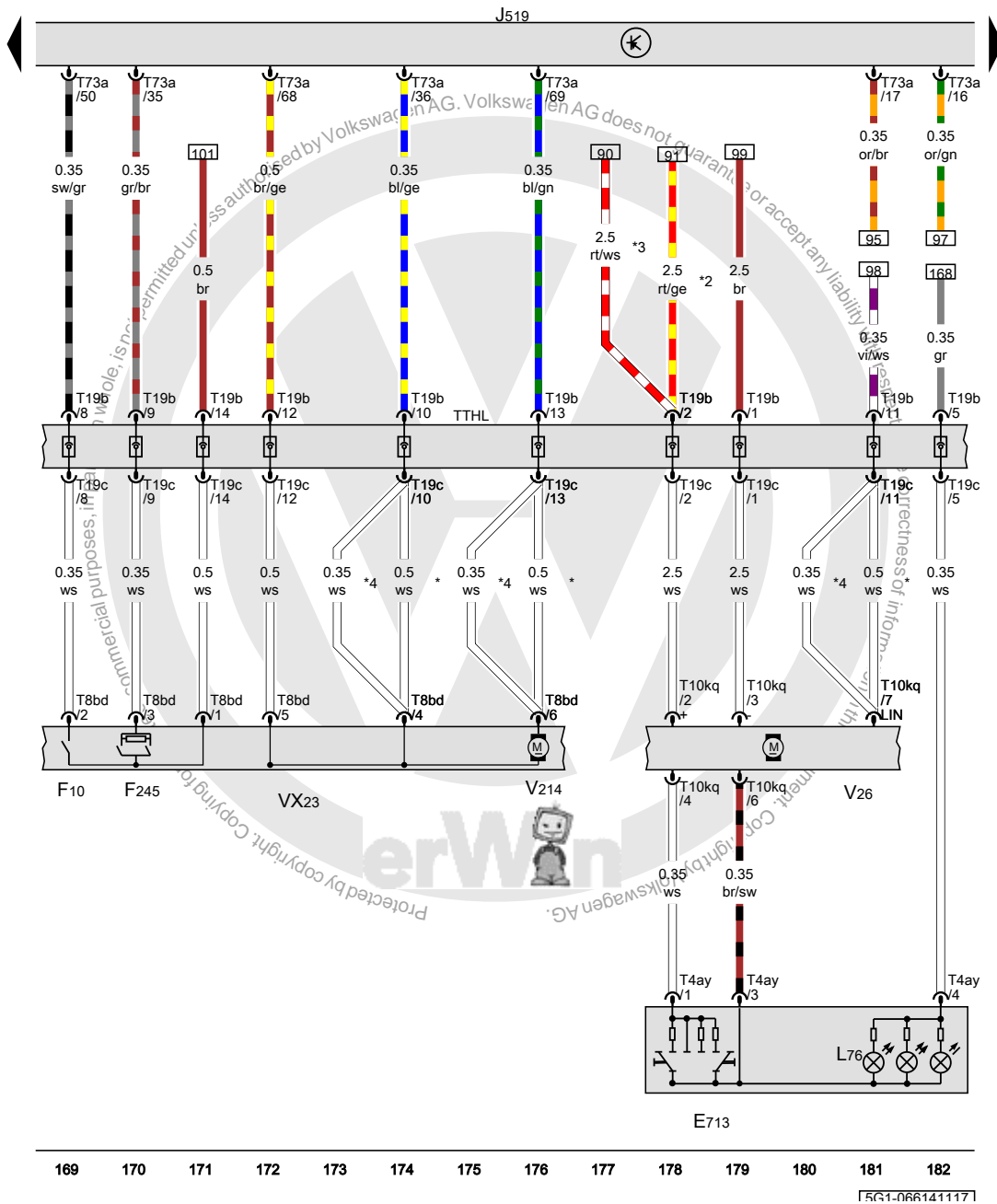


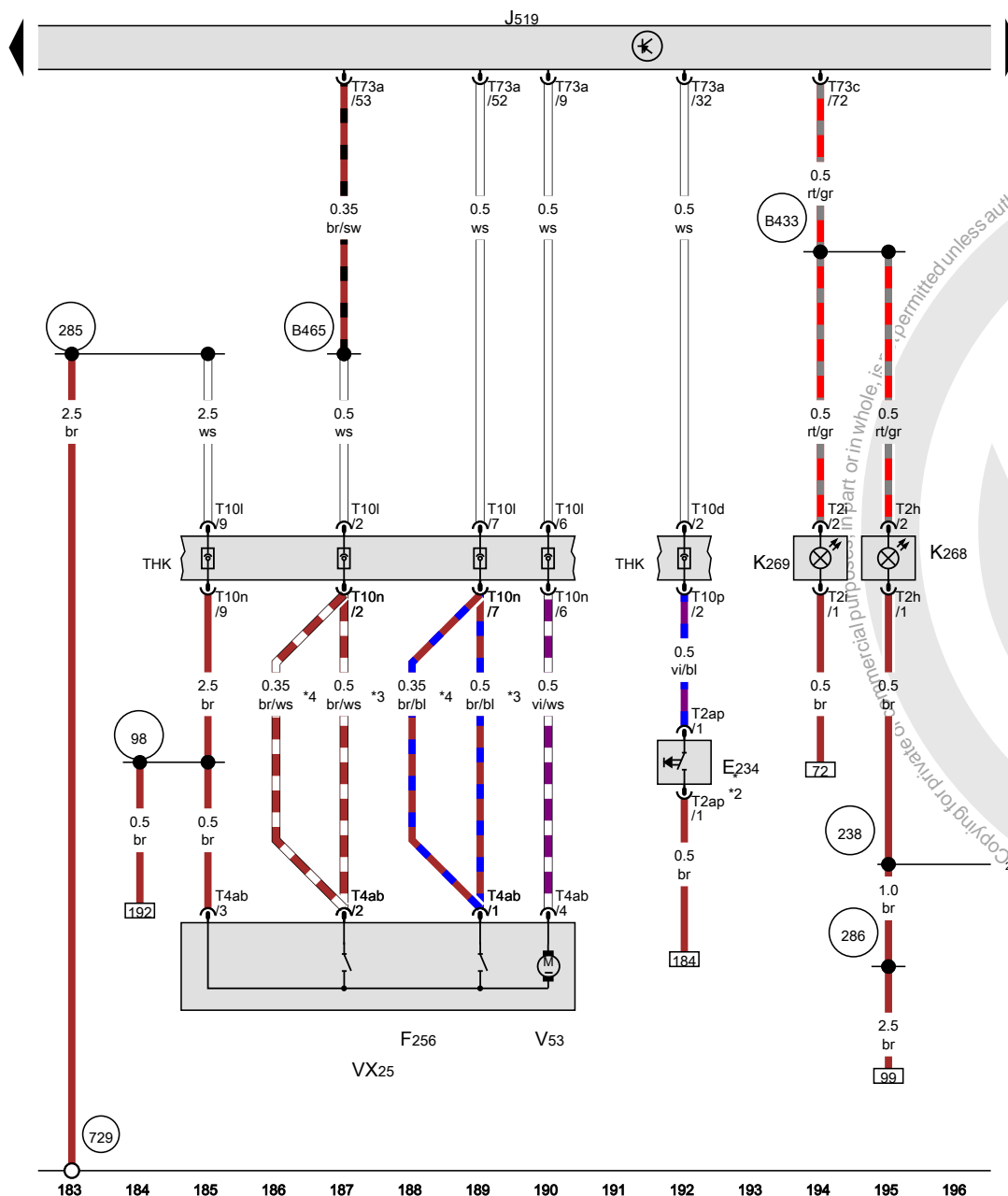
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 or = orange
 rs = pink

Rear passenger side window regulator button, Onboard supply control unit, Rear left door lock unit, Rear left window regulator motor

- E713 Rear passenger side window regulator button
- F10 Rear left door contact switch
- F245 Rear left door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ay 4-pin connector
- T8bd 8-pin connector
- T10kq 10-pin connector, black
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T73a 73-pin connector
- TTHL Coupling point for rear left door
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor
- V214 Rear left door central locking motor, lock
- * Up to May 2015
- *2 Up to November 2015
- *3 From November 2015
- *4 From May 2015

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sw = black
ro = red
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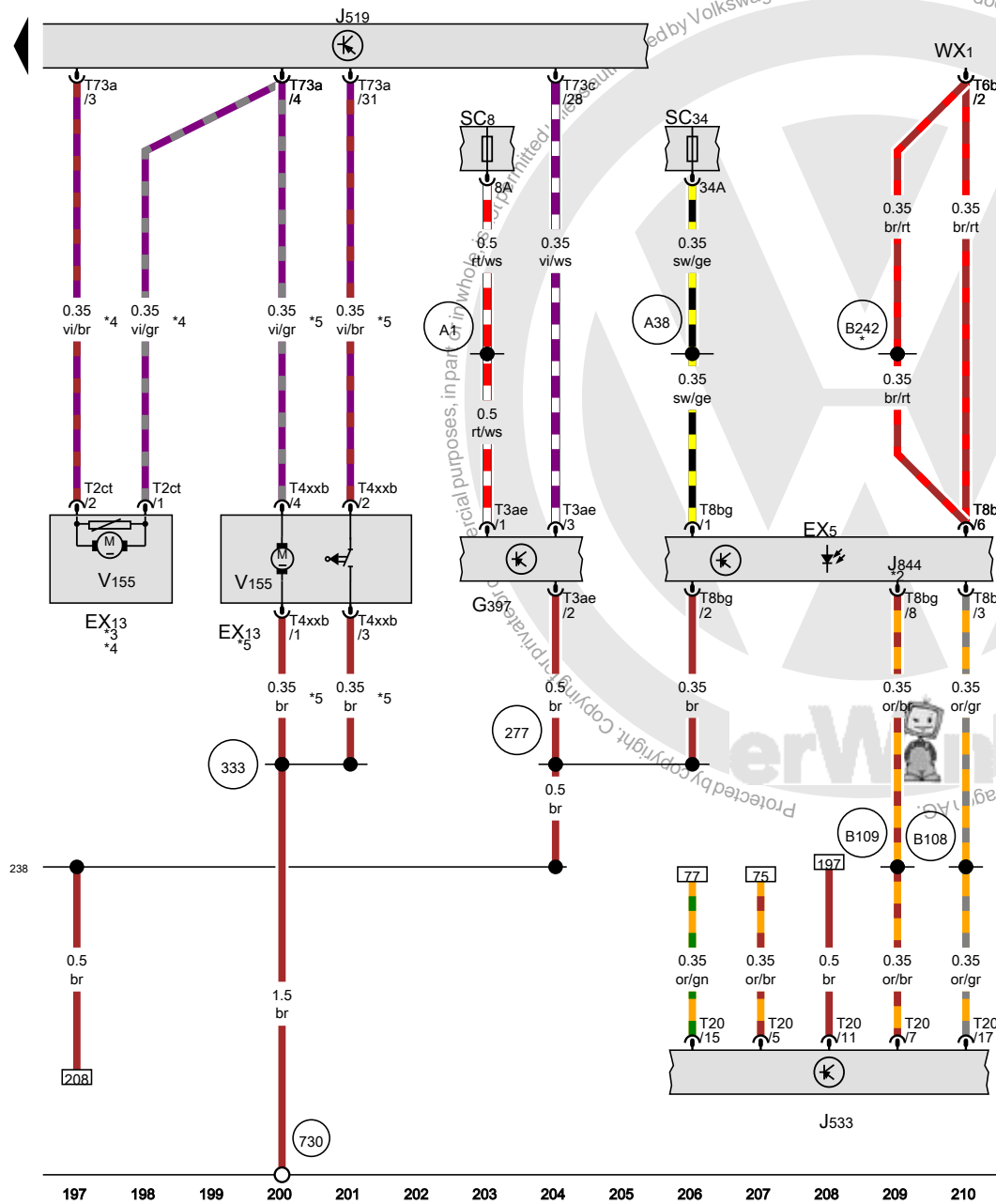
Rear lid handle release button, Onboard supply control unit, Front left footwell light, Front right footwell light, Rear lid lock unit

- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- K268 Front left footwell light
- K269 Front right footwell light
- T2ap 2-pin connector
- T2h 2-pin connector
- T2i 2-pin connector
- T4ab 4-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- THK Coupling point for rear lid
- VX25 Rear lid lock unit
- V53 Rear lid central locking motor

- 98 Earth connection, in rear lid wiring harness
- 238 Earth connection 1, in interior wiring harness
- 285 Earth connection 7, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- B433 Connection (footwell light), in main wiring harness
- B465 Connection 1, in main wiring harness

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 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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- * For models with no reversing camera system
- *2 According to equipment
- *3 Up to May 2015
- *4 From May 2015



Interior mirror, Tank flap release, Rain and light sensor, Onboard supply control unit, Data bus diagnostic interface, Fuse 8 on fuse holder C, Fuse 34 on fuse holder C, Front interior light

- EX5 Interior mirror
- EX13 Tank flap release
- G397 Rain and light sensor
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J844 Main beam assist control unit
- SC8 Fuse 8 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T2ct 2-pin connector
- T3ae 3-pin connector
- T4xxb 4-pin connector
- T6b 6-pin connector
- T8bg 8-pin connector
- T20 20-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- V155 Tank filler flap locking motor
- WX1 Front interior light
- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 333 Earth connection 5, in rear wiring harness
- 730 Earth point 1, on right rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B242 Connection (interior mirror - negative), in interior wiring harness
- * According to equipment
- *2 For models with main beam assist
- *3 Pre-wired component
- *4 For models with no hybrid drive system

ws = white

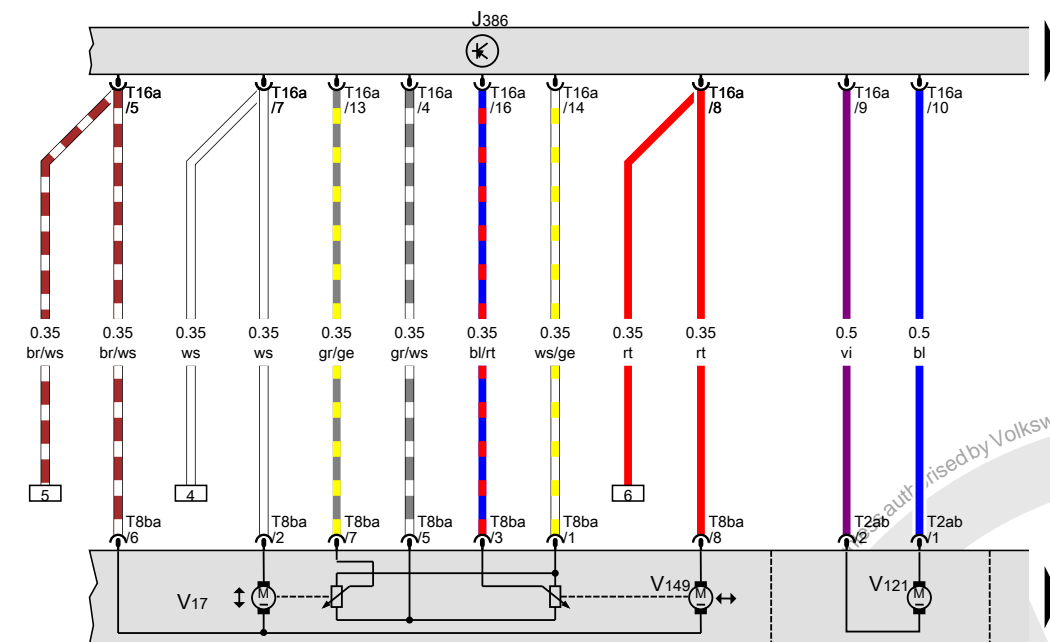
*5 For models with hybrid drive system

Convenience system, left-hand drive , (L0L)

From November 2013

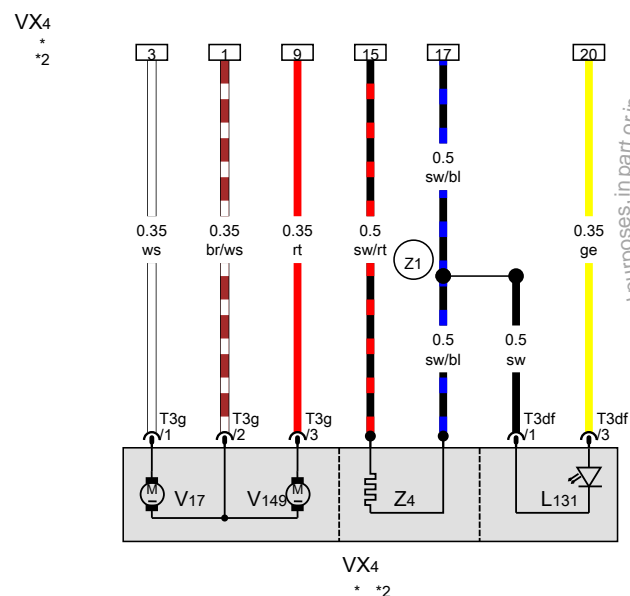


Driver door control unit, Driver side exterior mirror, Driver side fold-in mirror motor

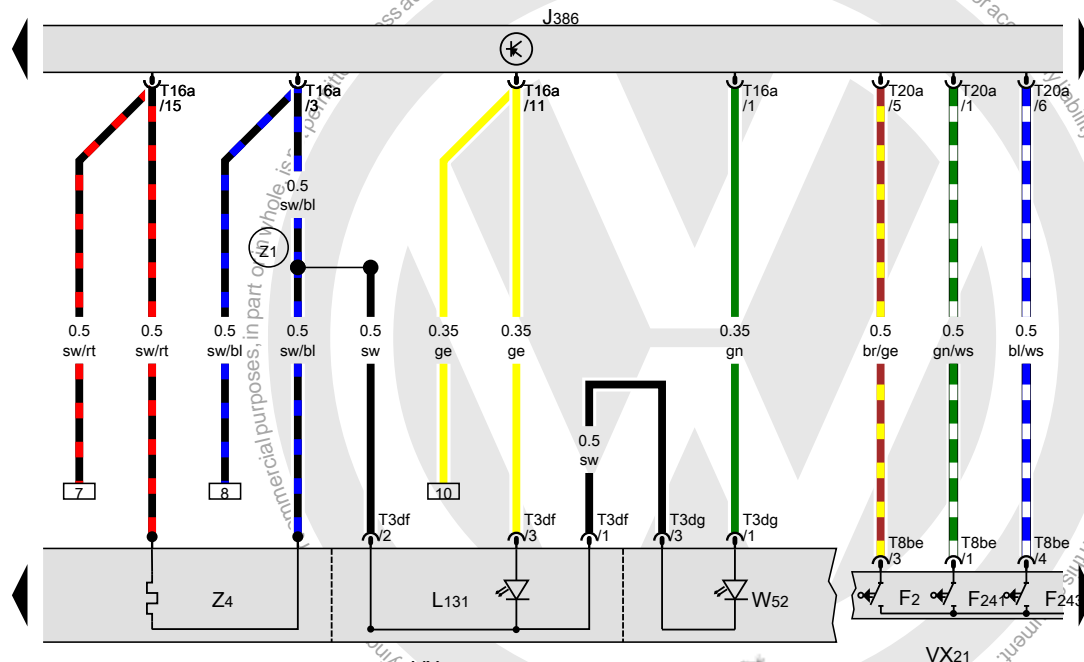


- | | |
|------|---|
| J386 | Driver door control unit |
| L131 | Driver side turn signal repeater bulb |
| T2ab | 2-pin connector |
| T3df | 3-pin connector |
| T3g | 3-pin connector |
| T8ba | 8-pin connector |
| T16a | 16-pin connector |
| VX4 | Driver side exterior mirror |
| V17 | Driver side mirror adjustment motor 2 |
| V121 | Driver side fold-in mirror motor |
| V149 | Driver side mirror adjustment motor |
| Z4 | Heated exterior mirror on driver side |
| Z1 | Connection 1, in mirror adjustment/heating wiring harness |

* According to equipment
*2 Pre-wired component



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Driver door contact switch, Driver side contact switch in lock cylinder, Driver door central locking actuator for SAFELOCK function, Driver door control unit, Driver side turn signal repeater bulb, Driver side exterior mirror, Driver door lock unit, Heated exterior mirror on driver side

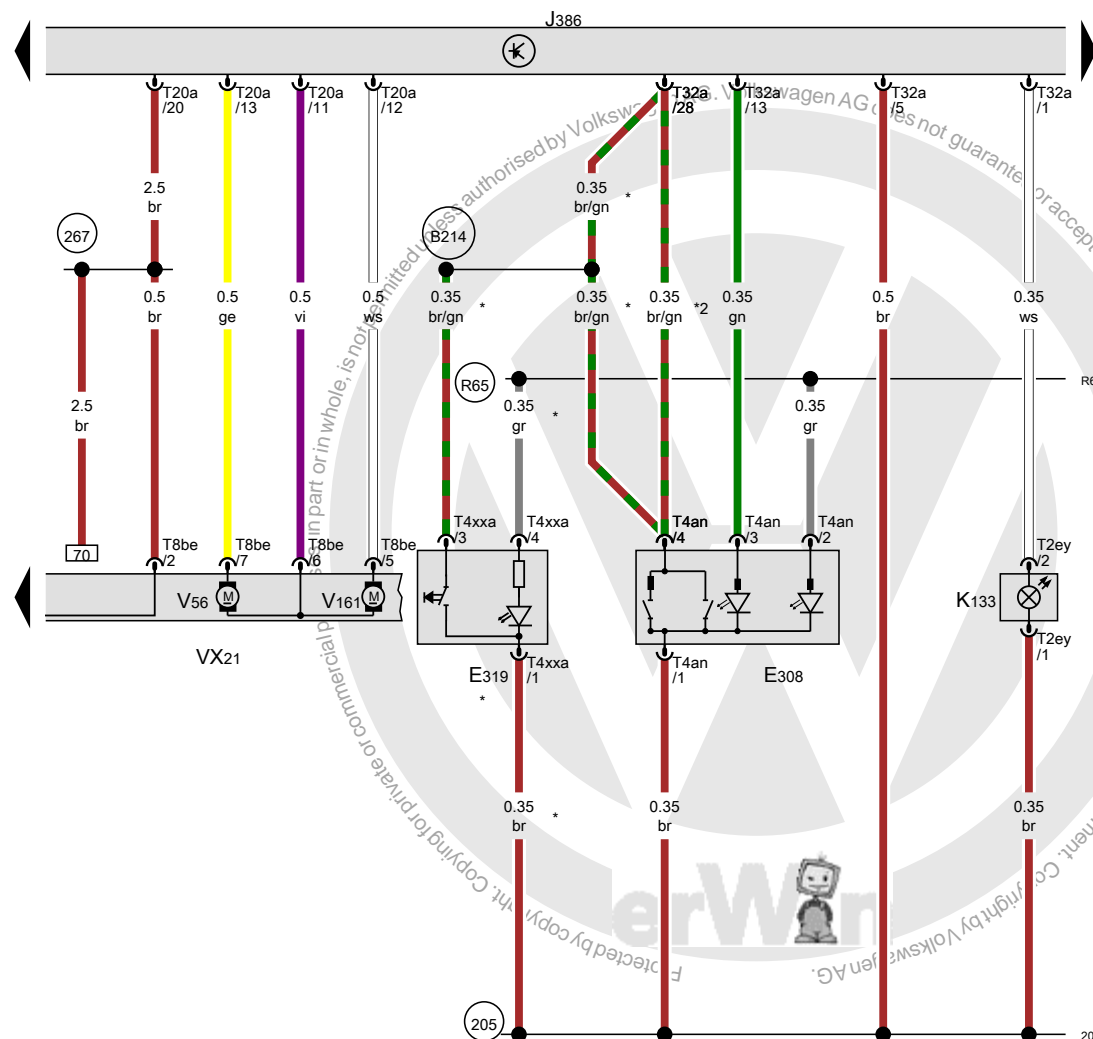
- F2 Driver door contact switch
- F241 Driver side contact switch in lock cylinder
- F243 Driver door central locking actuator for SAFELOCK function
- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T3df 3-pin connector
- T3dg 3-pin connector
- T8be 8-pin connector
- T16a 16-pin connector
- T20a 20-pin connector
- VX4 Driver side exterior mirror
- VX21 Driver door lock unit
- W52 Entry light in exterior mirror, driver side
- Z4 Heated exterior mirror on driver side

Z1 Connection 1, in mirror adjustment/heating wiring harness

* According to equipment

*2 Pre-wired component

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



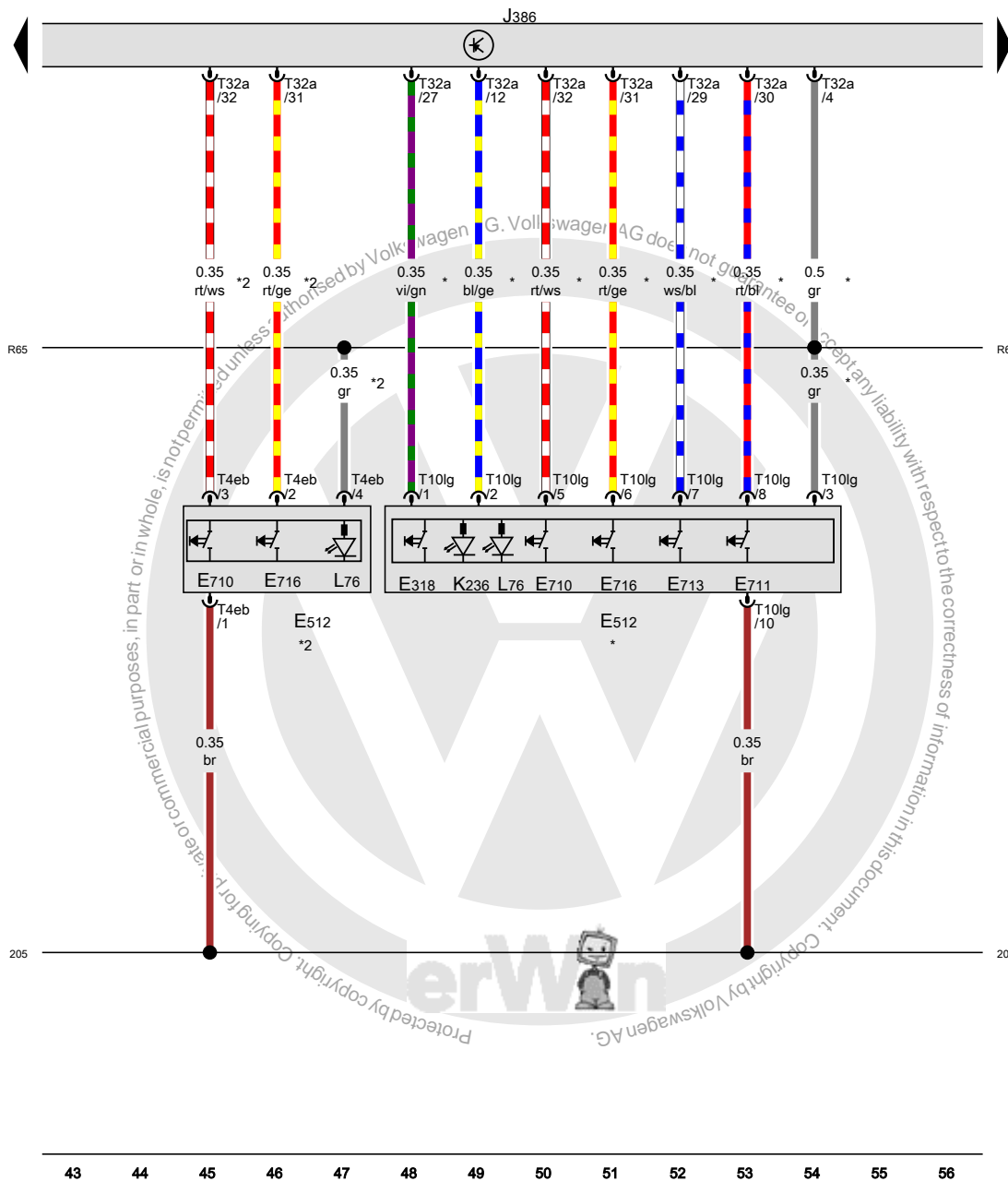
Driver side interior locking button for central locking system, Fuel tank flap release button, Driver door control unit, Central locking SAFELOCK function warning lamp, Driver door lock unit, Driver door central locking motor, Driver door central locking SAFELOCK function motor

- E308 Driver side interior locking button for central locking system
- E319 Fuel tank flap release button
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- T2ey 2-pin connector
- T4an 4-pin connector
- T4xxa 4-pin connector
- T8be 8-pin connector
- T20a 20-pin connector
- T32a 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

- (205) Earth connection, in driver door wiring harness
- (267) Earth connection 2, in drive side door wiring harness
- (B214) Connection 1 (central locking), in interior wiring harness
- (R65) Positive connection (58), in driver door wiring harness

- * For models with hybrid drive system
- *2 For models with no hybrid drive system

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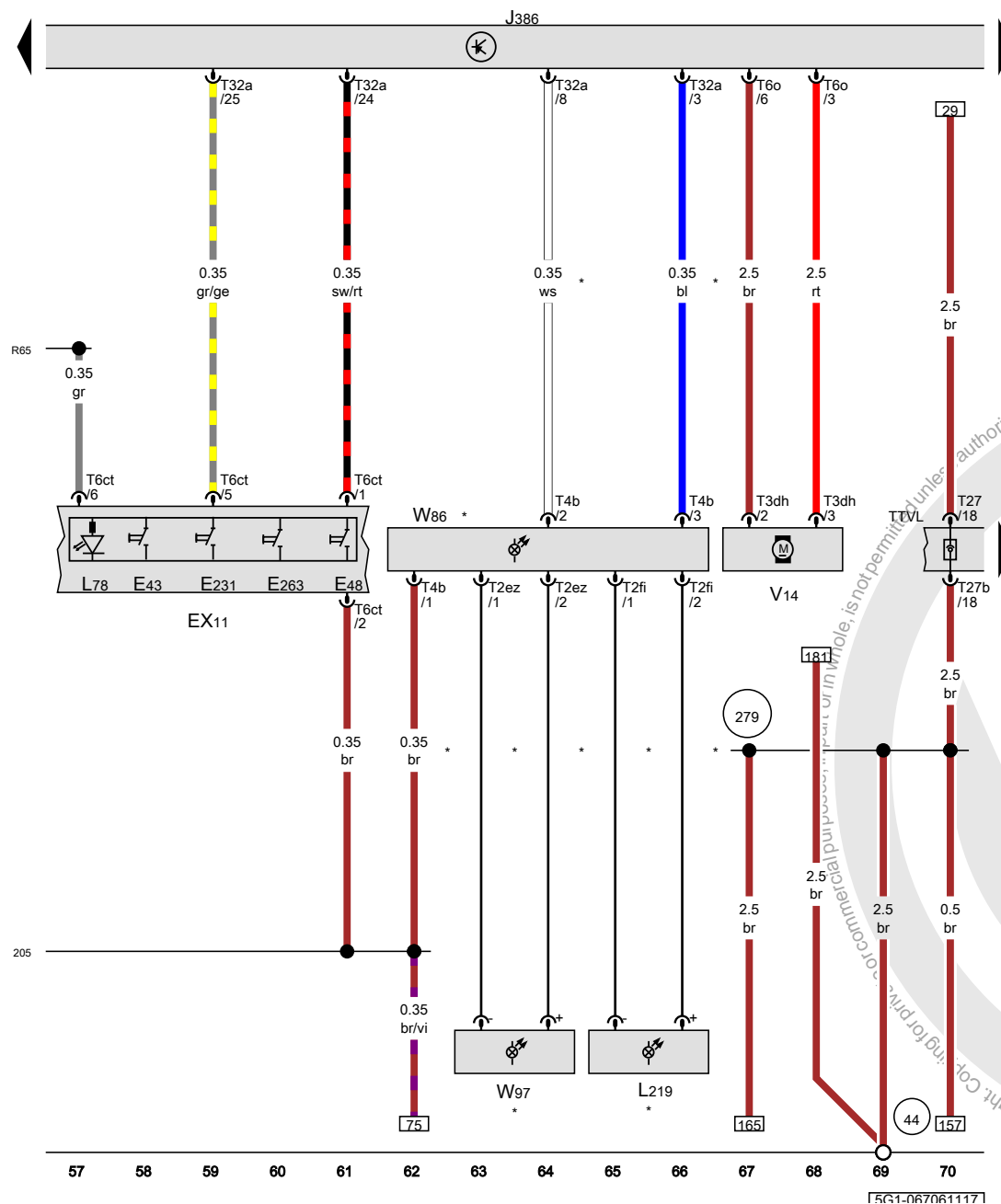


Operating unit for window regulator in driver door, Driver door control unit

- E318 Childproof lock button
- E512 Operating unit for window regulator in driver door
- E710 Front driver side window regulator button
- E711 Rear driver side window regulator button
- E713 Rear passenger side window regulator button
- E716 Front passenger side window regulator button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T4eb 4-pin connector
- T10lg 10-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- R65 Positive connection (58), in driver door wiring harness
- * For models with 4 doors
- *2 For models with 2 doors

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- br = brown
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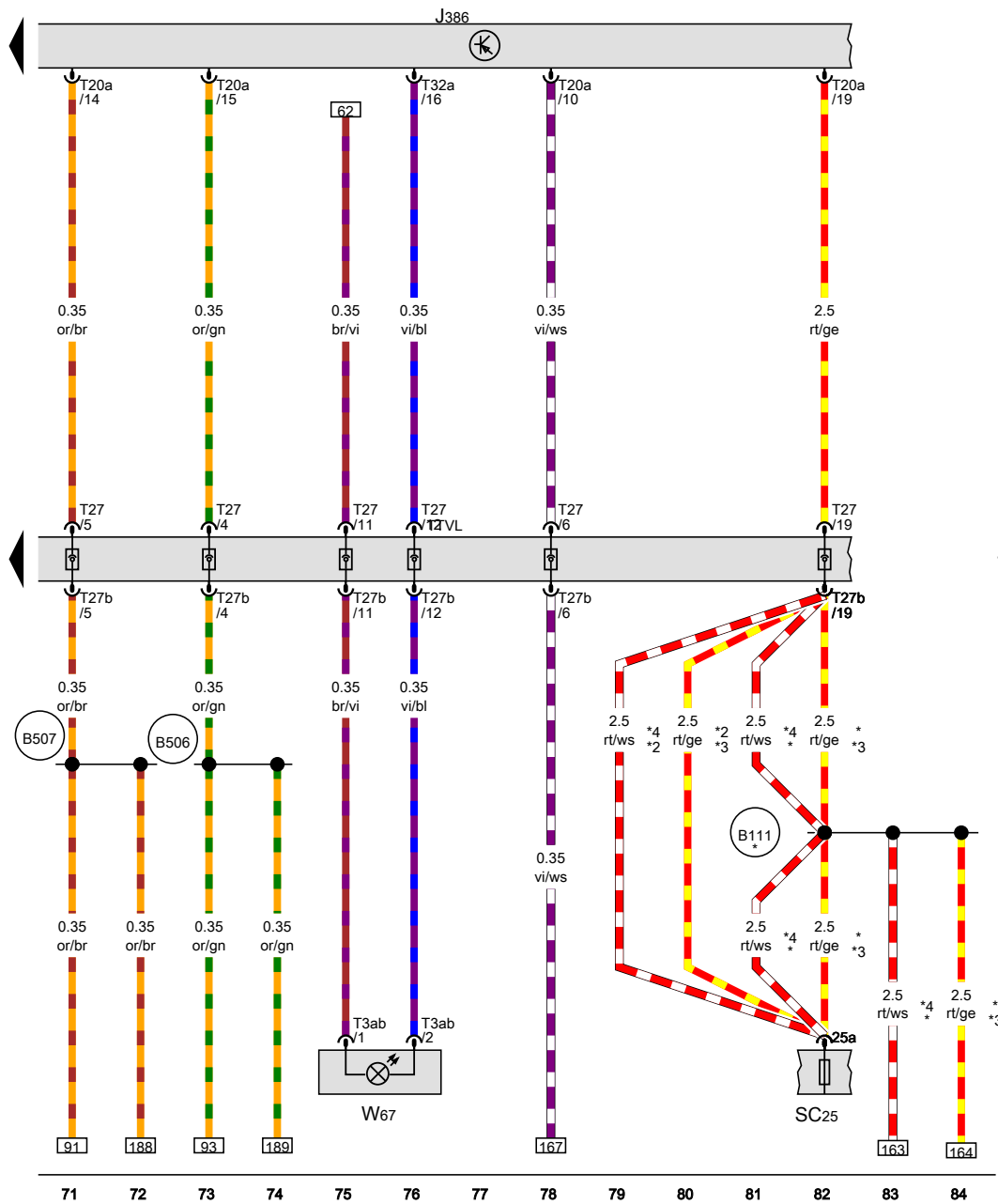


Exterior mirror adjuster, Driver door control unit, Light for driver side interior door handle illumination, Coupling point for front left door, Left window regulator motor, Light for driver door background lighting, Light 2 for driver door background lighting

- EX11 Exterior mirror adjuster
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- L78 Mirror adjustment switch illumination bulb
- L219 Light for driver side interior door handle illumination
- T2ez 2-pin connector
- T2fi 2-pin connector
- T3dh 3-pin connector
- T4b 4-pin connector
- T6ct 6-pin connector
- T6o 6-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32a 32-pin connector
- TTVL Coupling point for front left door
- V14 Left window regulator motor
- W86 Light for driver door background lighting
- W97 Light 2 for driver door background lighting

- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 279 Earth connection 5, in interior wiring harness
- R65 Positive connection (58), in driver door wiring harness
- * According to equipment

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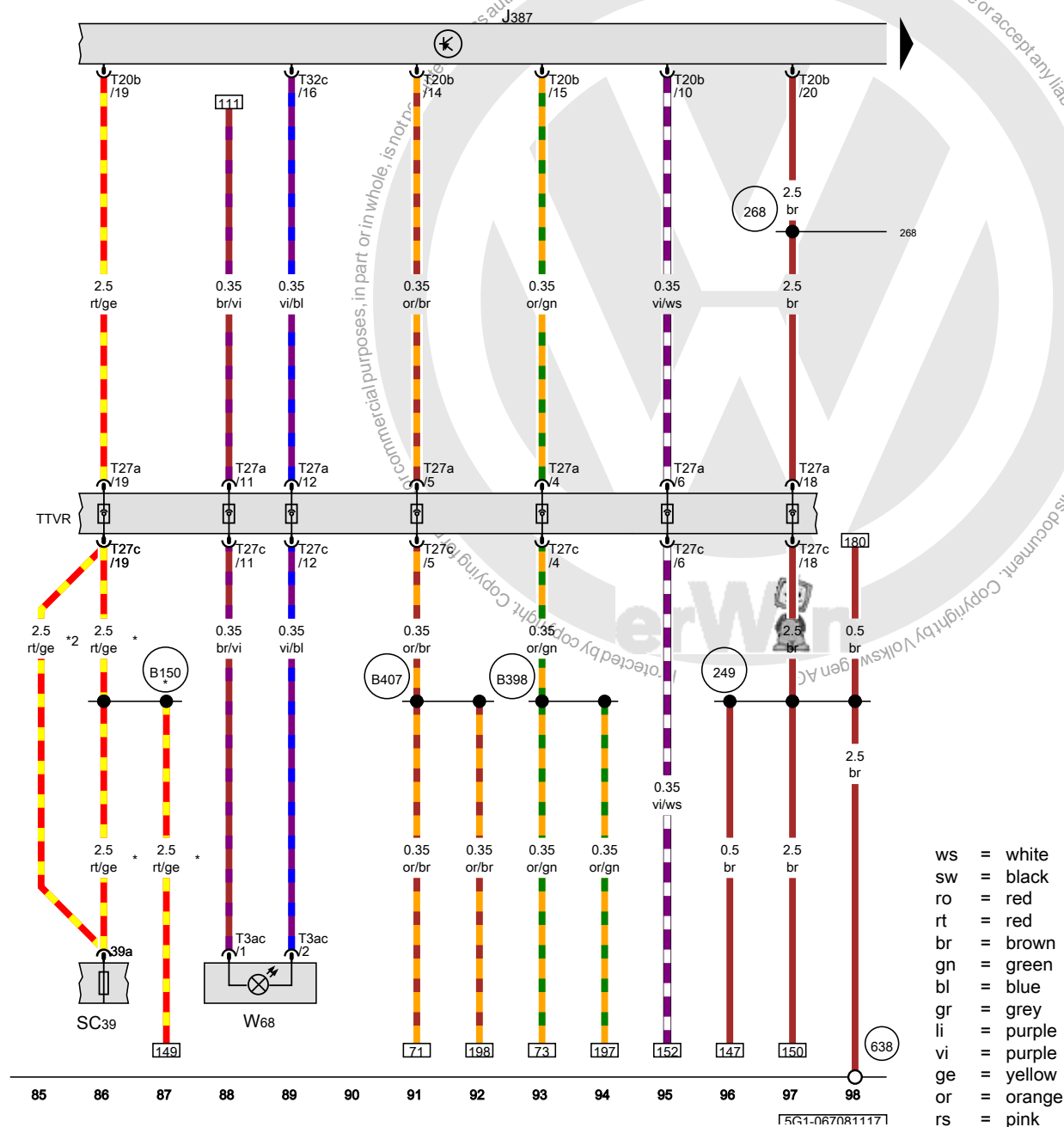


Driver door control unit, Coupling point for front left door, Light conductor for front left sill panel moulding background lighting

- J386 Driver door control unit
- SC25 Fuse 25 on fuse holder C
- T3ab 3-pin connector
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32a 32-pin connector
- TTVL Coupling point for front left door
- W67 Light conductor for front left sill panel moulding background lighting

- B111 Positive connection 1 (30a), in interior wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * For models with 4 doors
- *2 For models with 2 doors
- *3 Up to November 2015
- *4 From November 2015

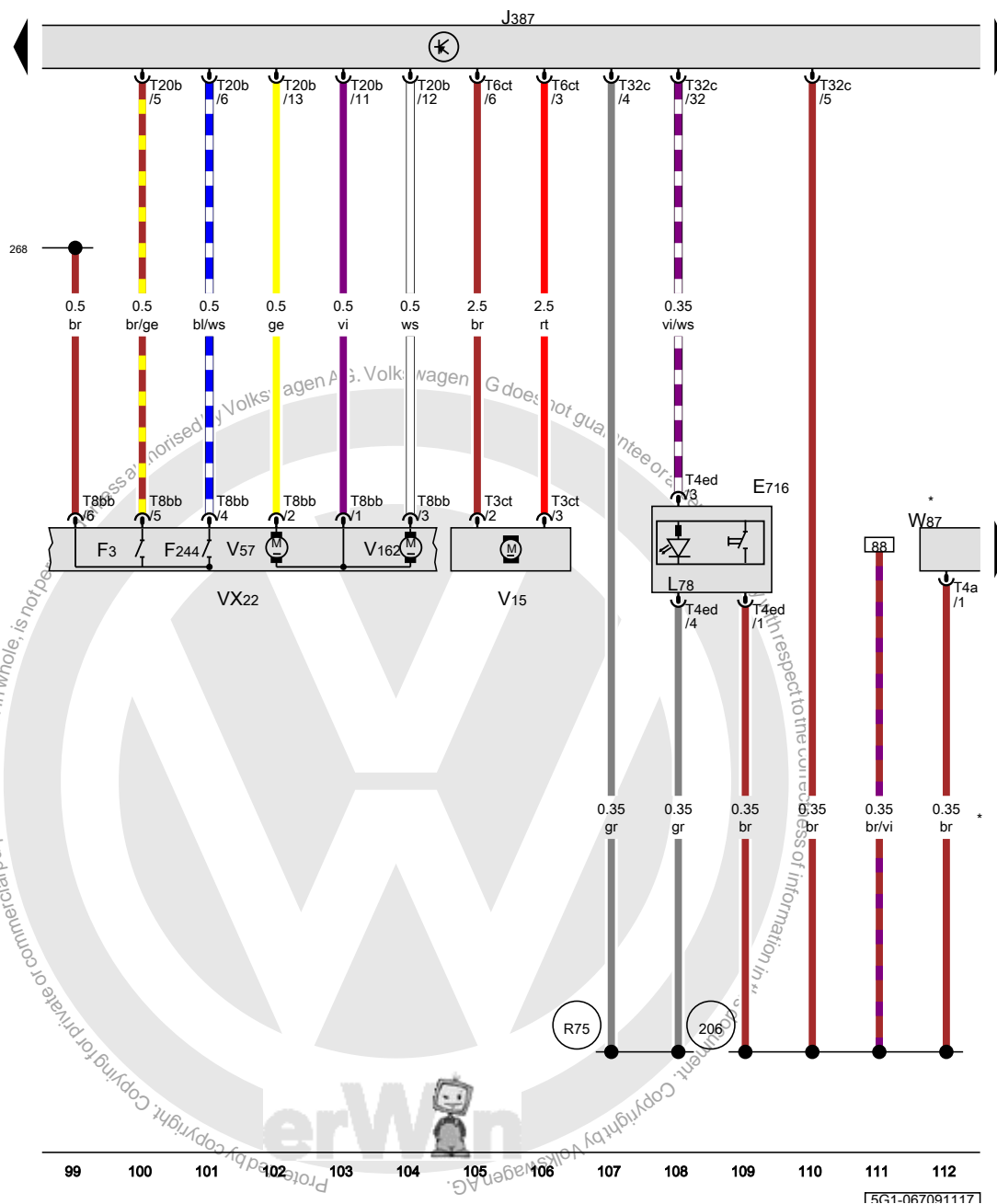
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Front passenger door control unit, Coupling point for front right door, Light conductor for front right sill panel moulding background lighting

- | | |
|------|---|
| J387 | Front passenger door control unit |
| SC39 | Fuse 39 on fuse holder C |
| T3ac | 3-pin connector |
| T20b | 20-pin connector |
| T27a | 27-pin connector, black |
| T27c | 27-pin connector, black |
| T32c | 32-pin connector |
| TTVR | Coupling point for front right door |
| W68 | Light conductor for front right sill panel moulding background lighting |
| 249 | Earth connection 2, in interior wiring harness |
| 268 | Earth connection 2, in front passenger side door wiring harness |
| 638 | Earth point, on right A-pillar |
| B150 | Positive connection 2 (30a), in interior wiring harness |
| B398 | Connection 2 (convenience CAN bus, high), in main wiring harness |
| B407 | Connection 2 (convenience CAN bus, low), in main wiring harness |
| * | For models with 4 doors |
| *2 | For models with 2 doors |

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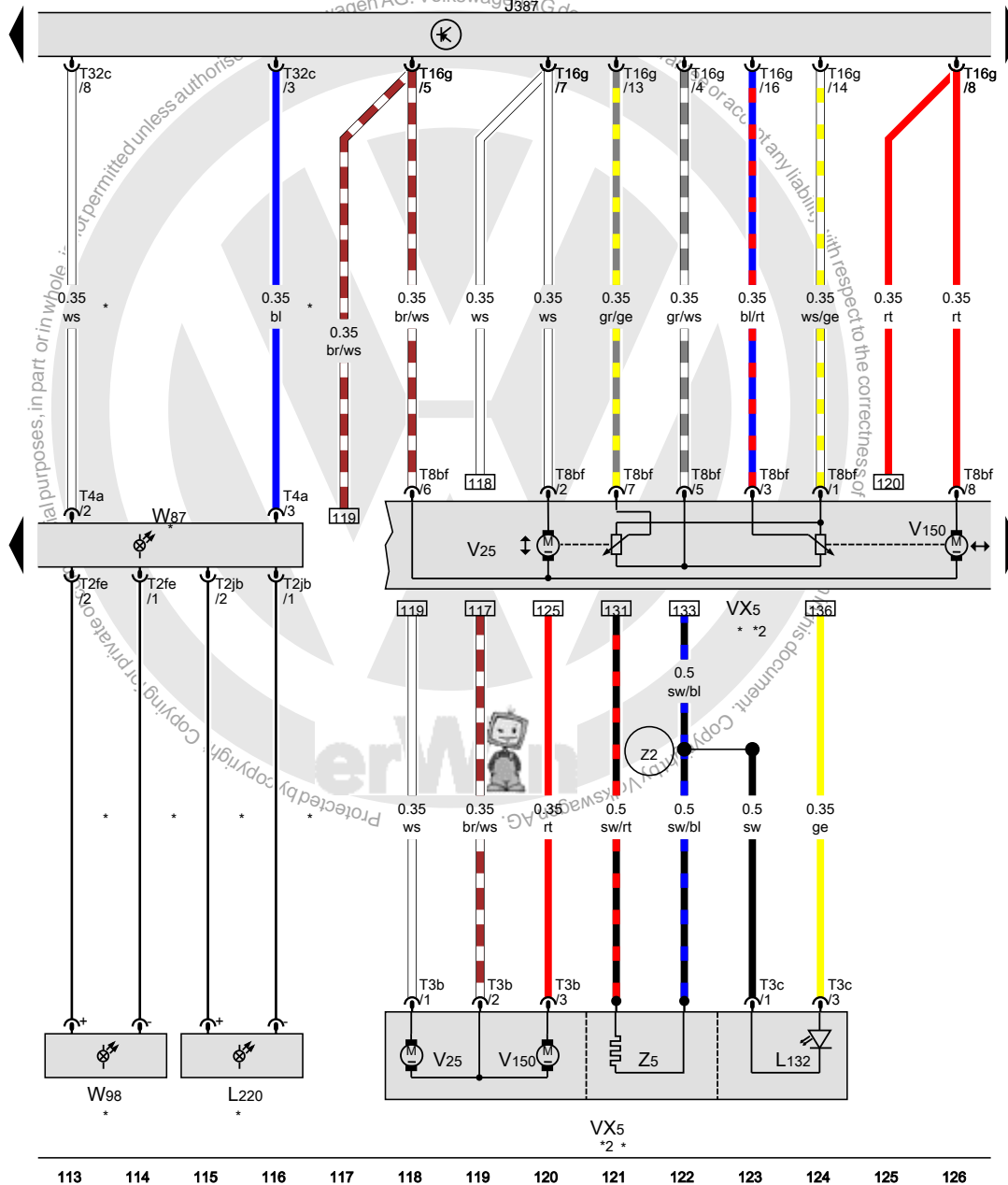
Front passenger side window regulator button, Front passenger door control unit, Right window regulator motor, Front passenger door lock unit, Light for passenger door background lighting

- E716 Front passenger side window regulator button
- F3 Front passenger door contact switch
- F244 Front passenger door central locking actuator for SAFELOCK function
- J387 Front passenger door control unit
- L78 Mirror adjustment switch illumination bulb
- T3ct 3-pin connector
- T4a 4-pin connector
- T4ed 4-pin connector
- T6ct 6-pin connector
- T8bb 8-pin connector
- T20b 20-pin connector
- T32c 32-pin connector
- V15 Right window regulator motor
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor
- W87 Light for passenger door background lighting

- 206 Earth connection, in front passenger door wiring harness
- 268 Earth connection 2, in front passenger side door wiring harness
- R75 Connection 1 (58d), in door control unit wiring harness

* According to equipment

Front passenger door control unit, Light for passenger side interior door handle illumination, Passenger side exterior mirror, Light for passenger door background lighting, Light 2 for passenger door background lighting



- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- L220 Light for passenger side interior door handle illumination
- T2fe 2-pin connector
- T2jb 2-pin connector
- T3b 3-pin connector
- T3c 3-pin connector
- T4a 4-pin connector
- T8bf 8-pin connector
- T16g 16-pin connector
- T32c 32-pin connector
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V150 Front passenger side mirror adjustment motor 1
- W87 Light for passenger door background lighting
- W98 Light 2 for passenger door background lighting
- Z5 Heated exterior mirror on passenger side

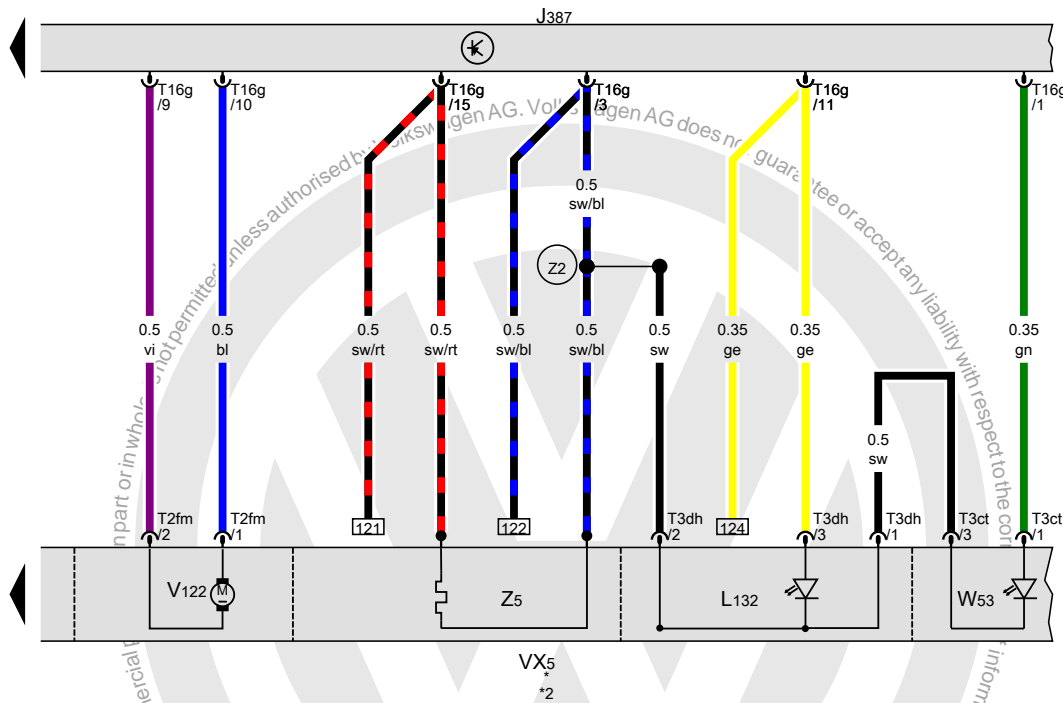
Z2 Connection 2, in mirror adjustment/heating wiring harness

* According to equipment

*2 Pre-wired component

- ws = white
- sw = black
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Front passenger door control unit, Front passenger side turn signal repeater bulb, Passenger side exterior mirror, Front passenger side fold-in mirror motor, Heated exterior mirror on passenger side

- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T2fm 2-pin connector
- T3ct 3-pin connector
- T3dh 3-pin connector
- T16g 16-pin connector
- VX5 Passenger side exterior mirror
- V122 Front passenger side fold-in mirror motor
- W53 Entry light in exterior mirror, passenger side
- Z5 Heated exterior mirror on passenger side

Z2 Connection 2, in mirror adjustment/heating wiring harness

- * According to equipment
- *2 Pre-wired component

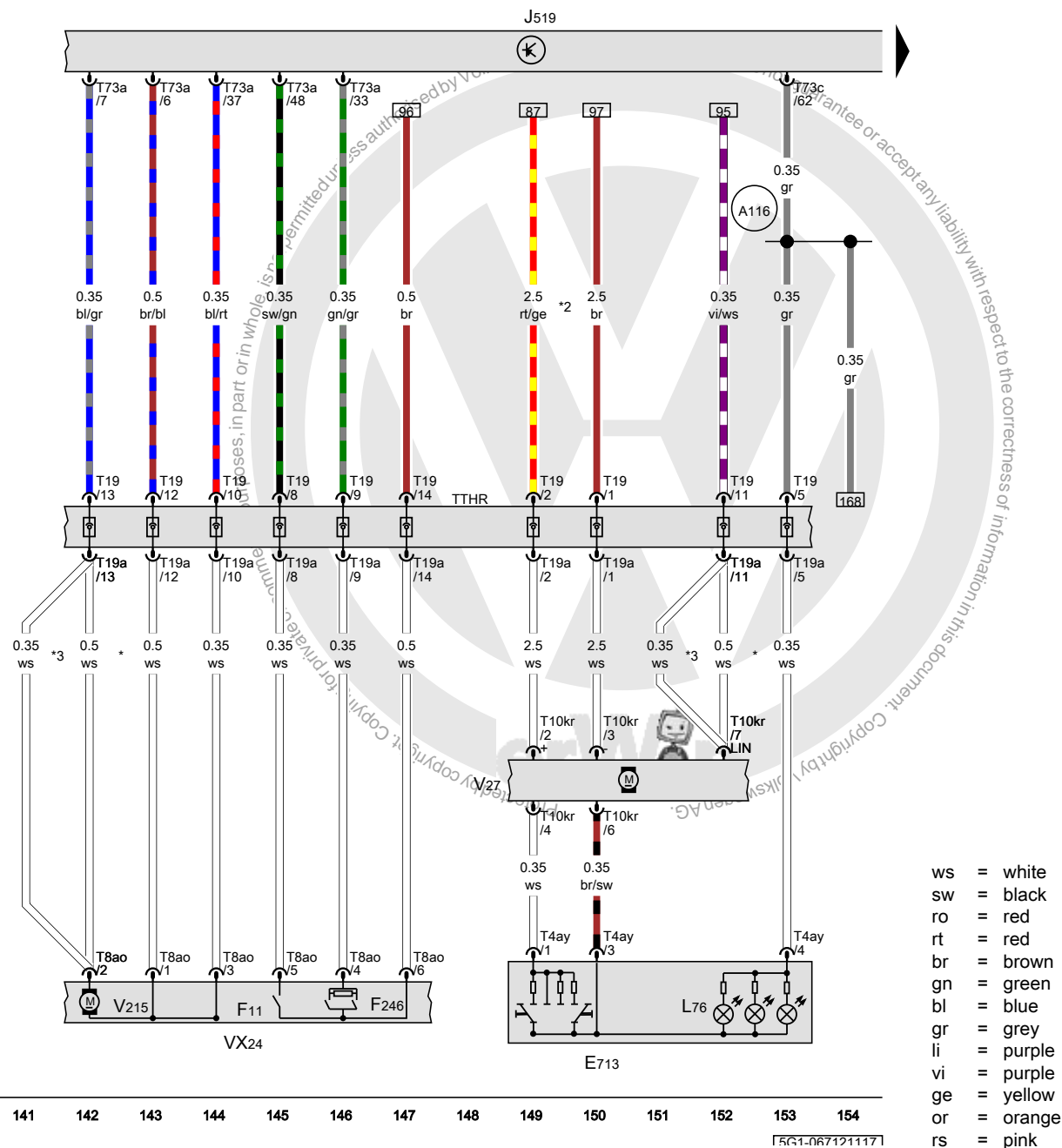
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- rs = pink

Rear passenger side window regulator button, Rear right door contact switch, Onboard supply control unit, Rear right door lock unit, Rear right window regulator motor

- E713 Rear passenger side window regulator button
- F11 Rear right door contact switch
- F246 Rear right door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ay 4-pin connector
- T8ao 8-pin connector
- T10kr 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- TTHR Coupling point for rear right door
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

A116 Connection 2 (58d), in dash panel wiring harness

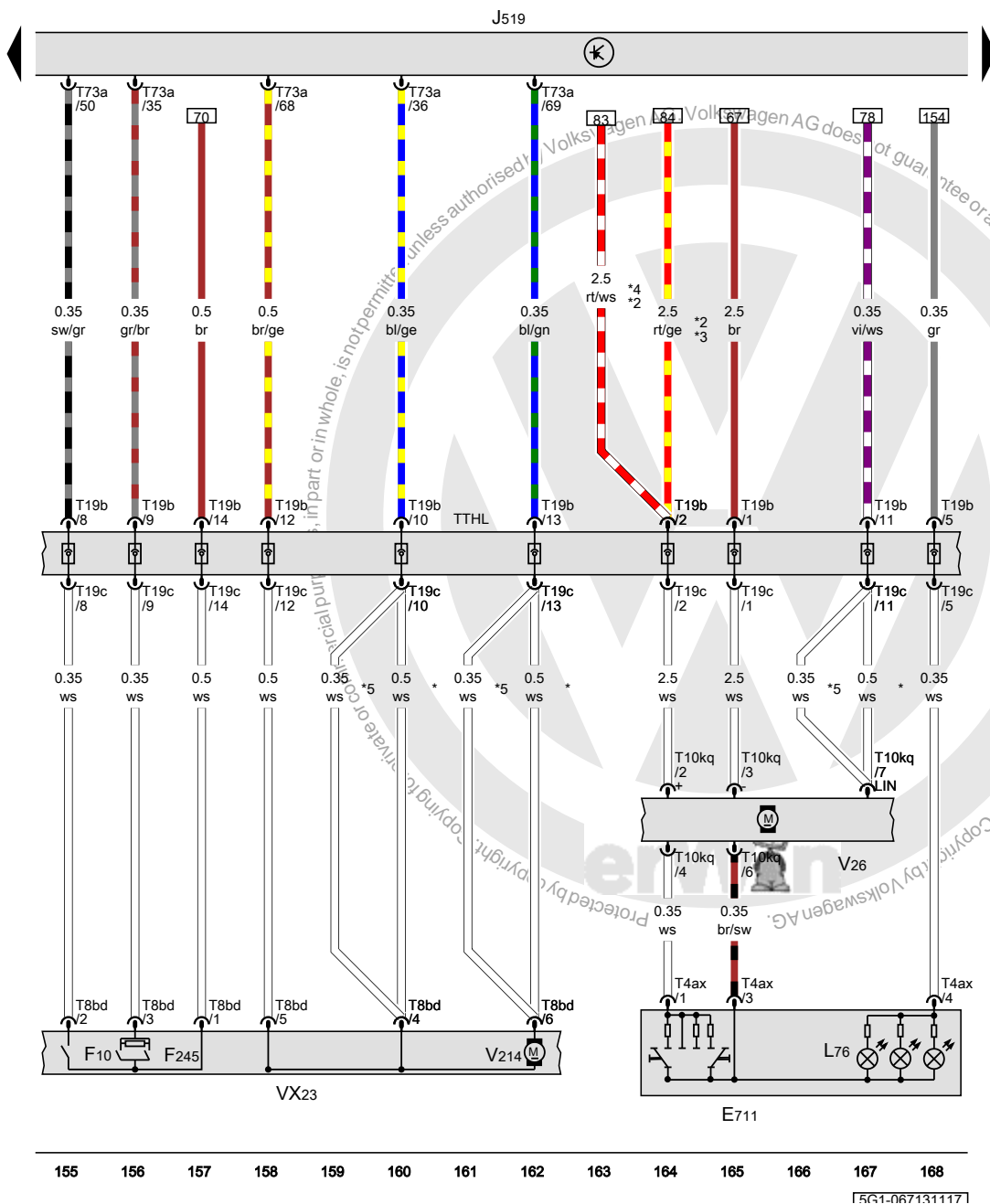
- * Up to May 2015
- *2 For models with 4 doors
- *3 From May 2015

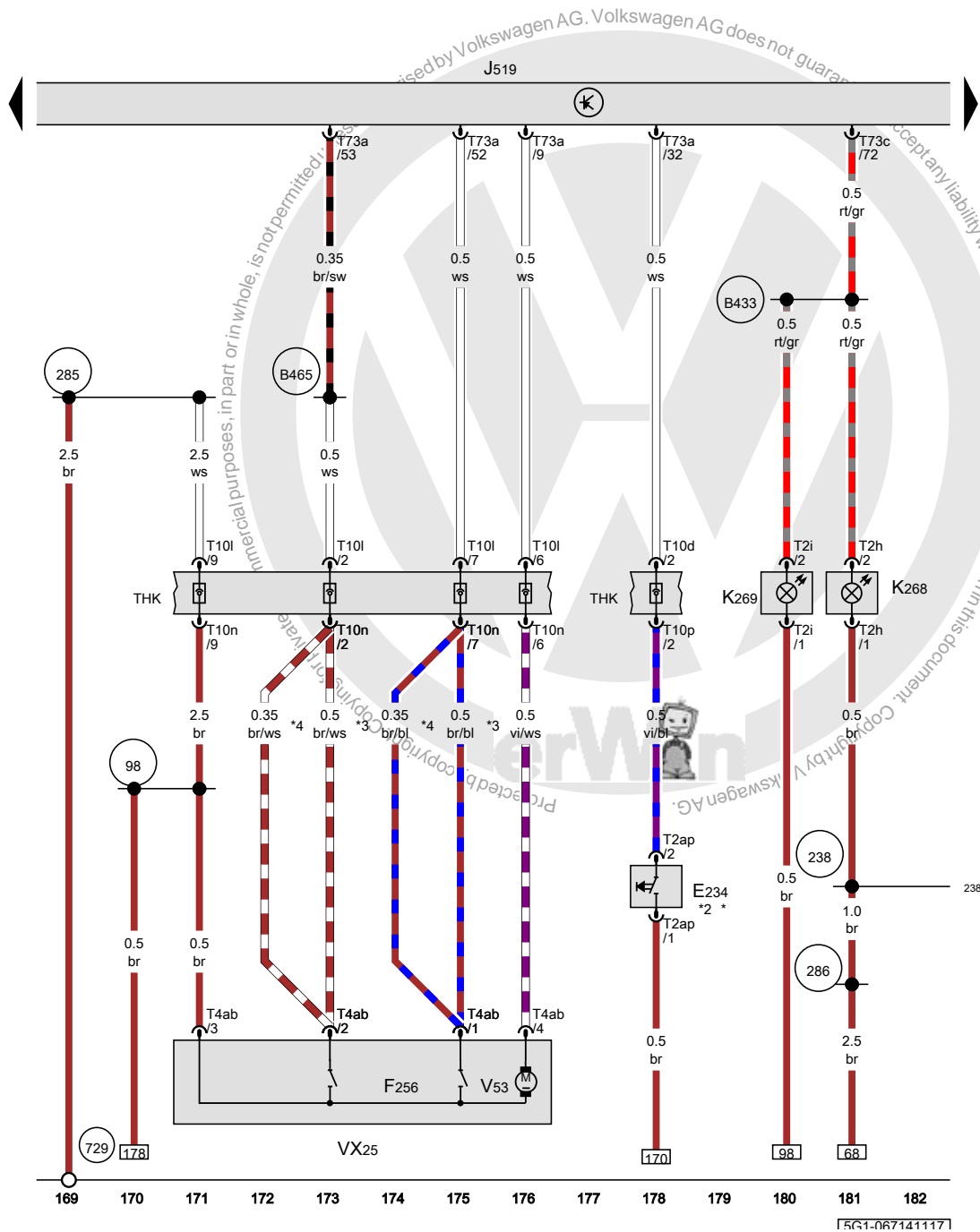


Rear driver side window regulator button, Onboard supply control unit, Rear left door lock unit, Rear left window regulator motor

- E711 Rear driver side window regulator button
- F10 Rear left door contact switch
- F245 Rear left door central locking actuator for SAFELOCK function
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ax 4-pin connector
- T8bd 8-pin connector
- T10kq 10-pin connector
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T73a 73-pin connector
- TTHL Coupling point for rear left door
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor
- V214 Rear left door central locking motor, lock
- * Up to May 2015
- *2 For models with 4 doors
- *3 Up to November 2015
- *4 From November 2015
- *5 From May 2015

ws = white
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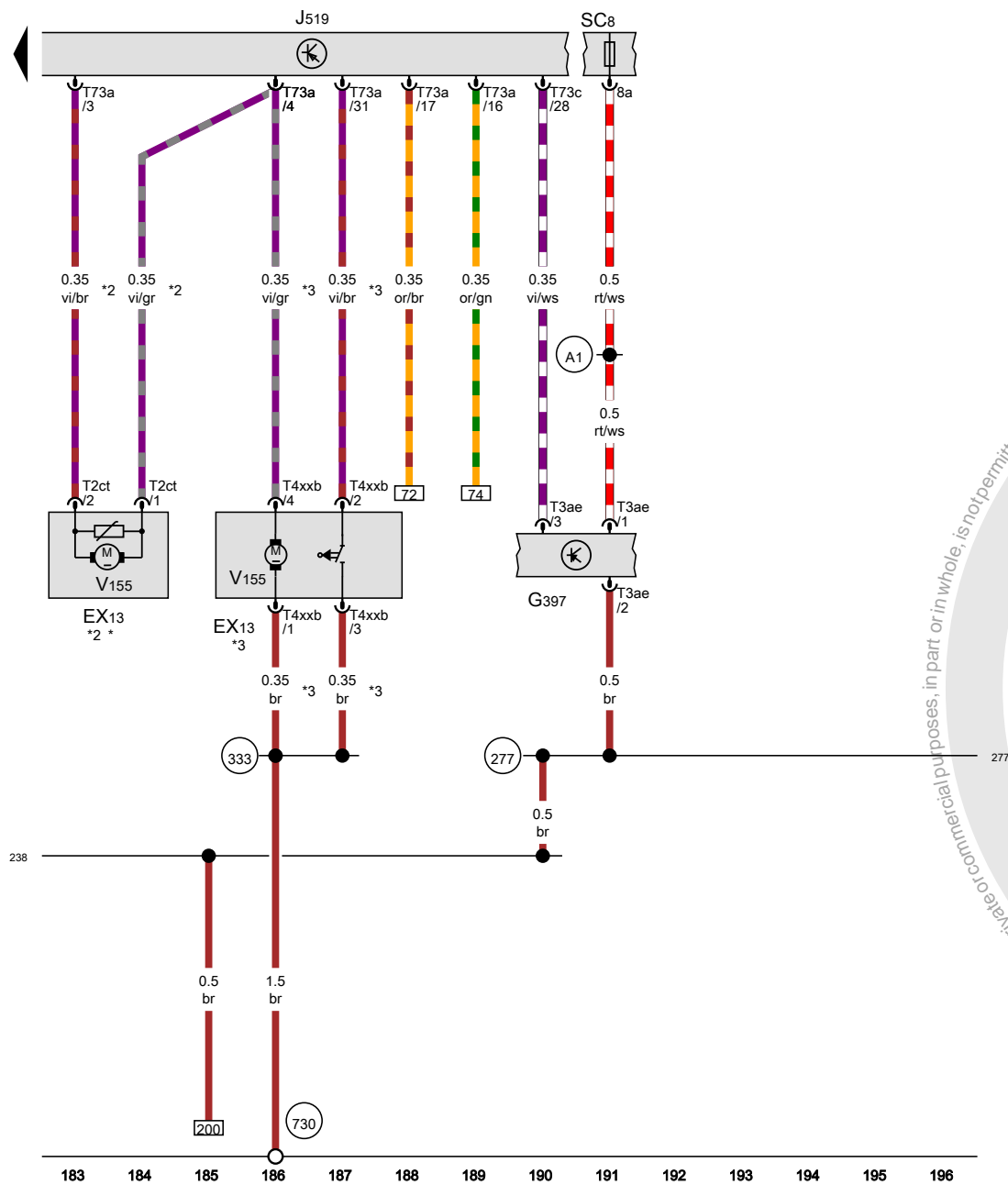
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Rear lid handle release button, Onboard supply control unit, Front left footwell light, Front right footwell light, Rear lid lock unit

- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- K268 Front left footwell light
- K269 Front right footwell light
- T2ap 2-pin connector
- T2h 2-pin connector
- T2i 2-pin connector
- T4ab 4-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- THK Coupling point for rear lid
- VX25 Rear lid lock unit
- V53 Rear lid central locking motor

- 98 Earth connection, in rear lid wiring harness
- 238 Earth connection 1, in interior wiring harness
- 285 Earth connection 7, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- B433 Connection (footwell light), in main wiring harness
- B465 Connection 1, in main wiring harness

- * For models with no reversing camera system
- *2 According to equipment
- *3 Up to May 2015
- *4 From May 2015



Tank flap release, Rain and light sensor, Onboard supply control unit

- EX13 Tank flap release
- G397 Rain and light sensor
- J519 Onboard supply control unit
- SC8 Fuse 8 on fuse holder C
- T2ct 2-pin connector
- T3ae 3-pin connector
- T4xxb 4-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- V155 Tank filler flap locking motor

- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 333 Earth connection 5, in rear wiring harness
- 730 Earth point 1, on right rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- * Pre-wired component
- *2 For models with no hybrid drive system
- *3 For models with hybrid drive system

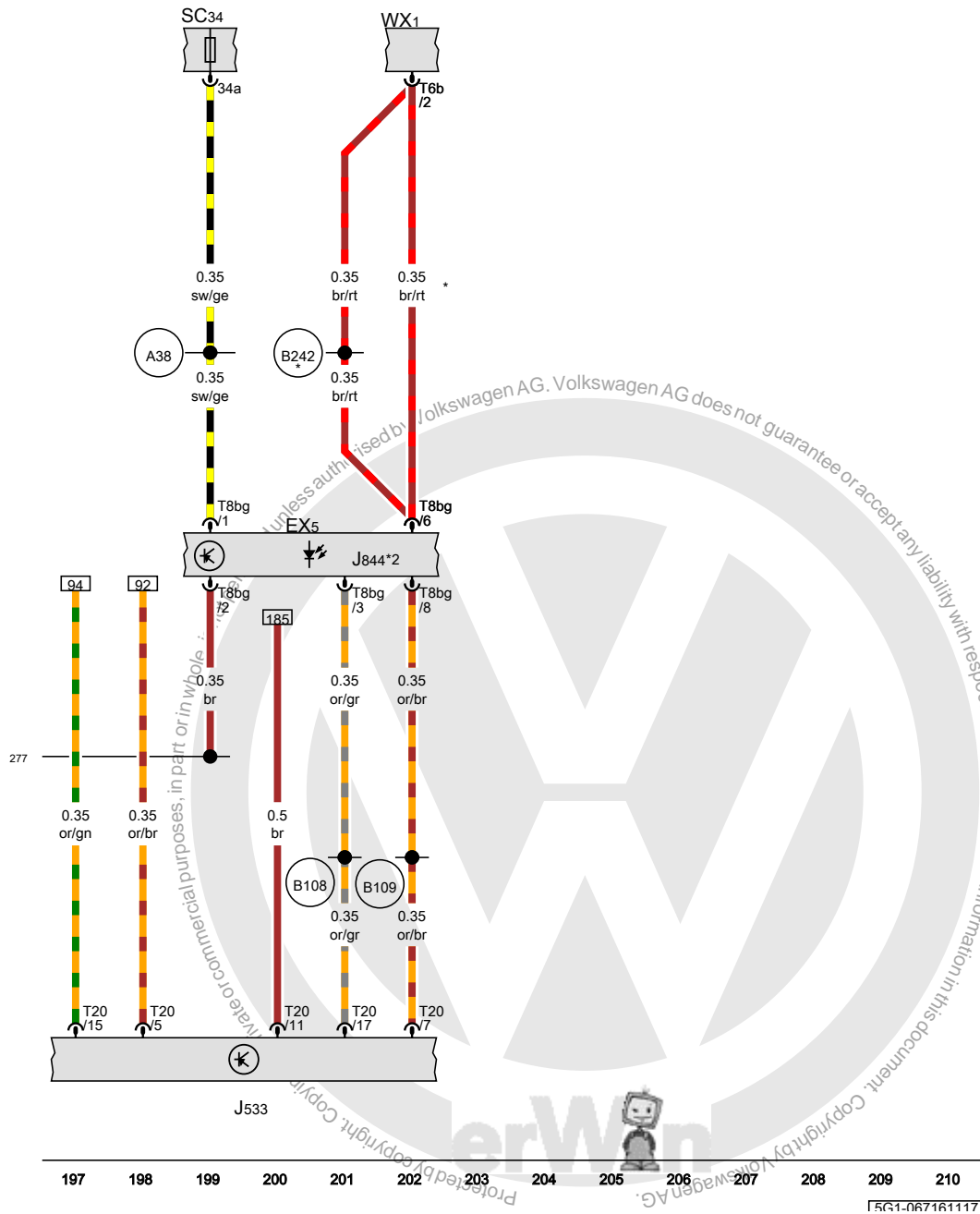
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Interior mirror, Data bus diagnostic interface, Front interior light

- EX5 Interior mirror
- J533 Data bus diagnostic interface
- J844 Main beam assist control unit
- SC34 Fuse 34 on fuse holder C
- T6b 6-pin connector
- T8bg 8-pin connector
- T20 20-pin connector
- WX1 Front interior light

- 277 Earth connection 3, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B242 Connection (interior mirror - negative), in interior wiring harness

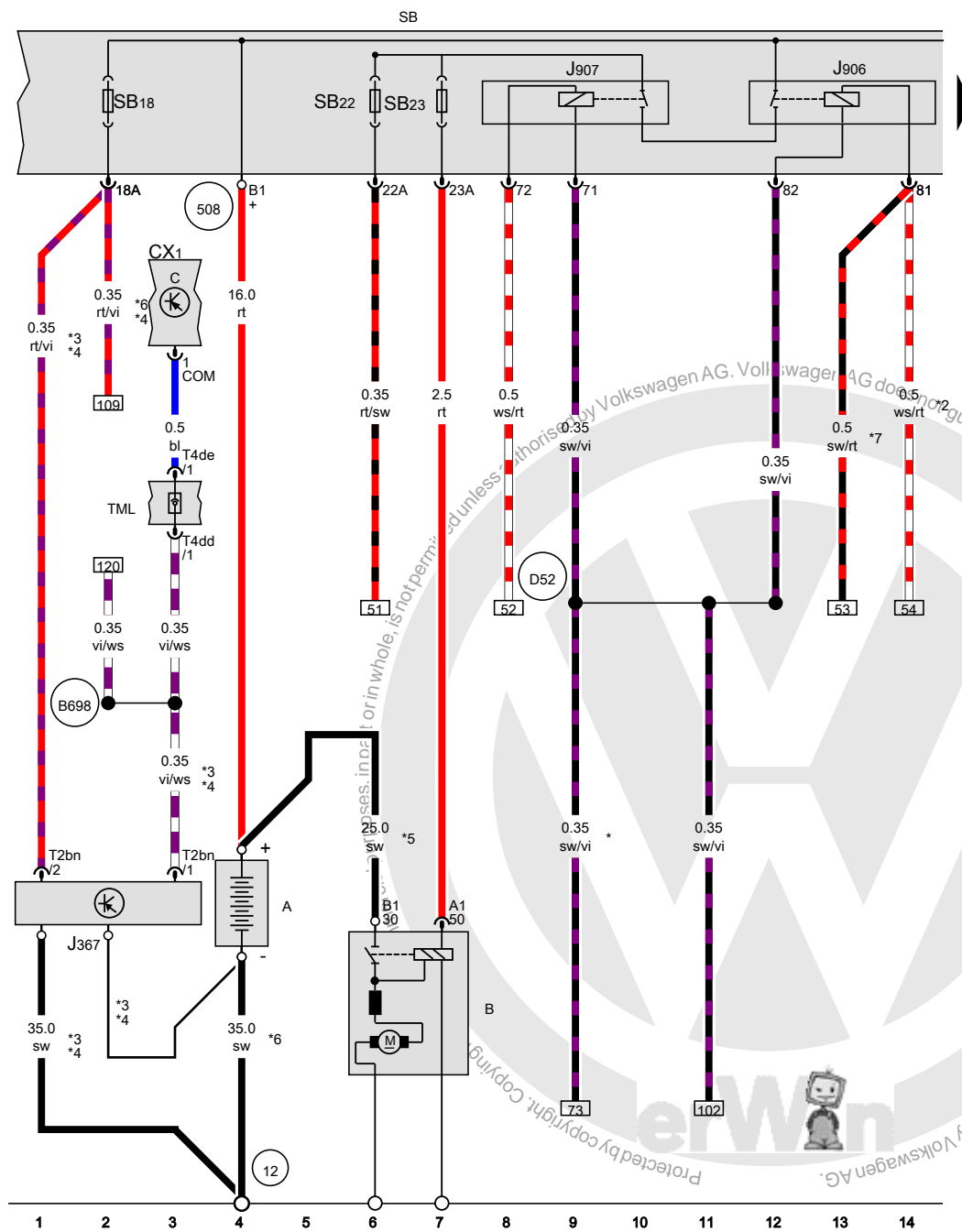
- * According to equipment
- *2 For models with main beam assist



1.6l petrol engine , CWVA

From May 2014

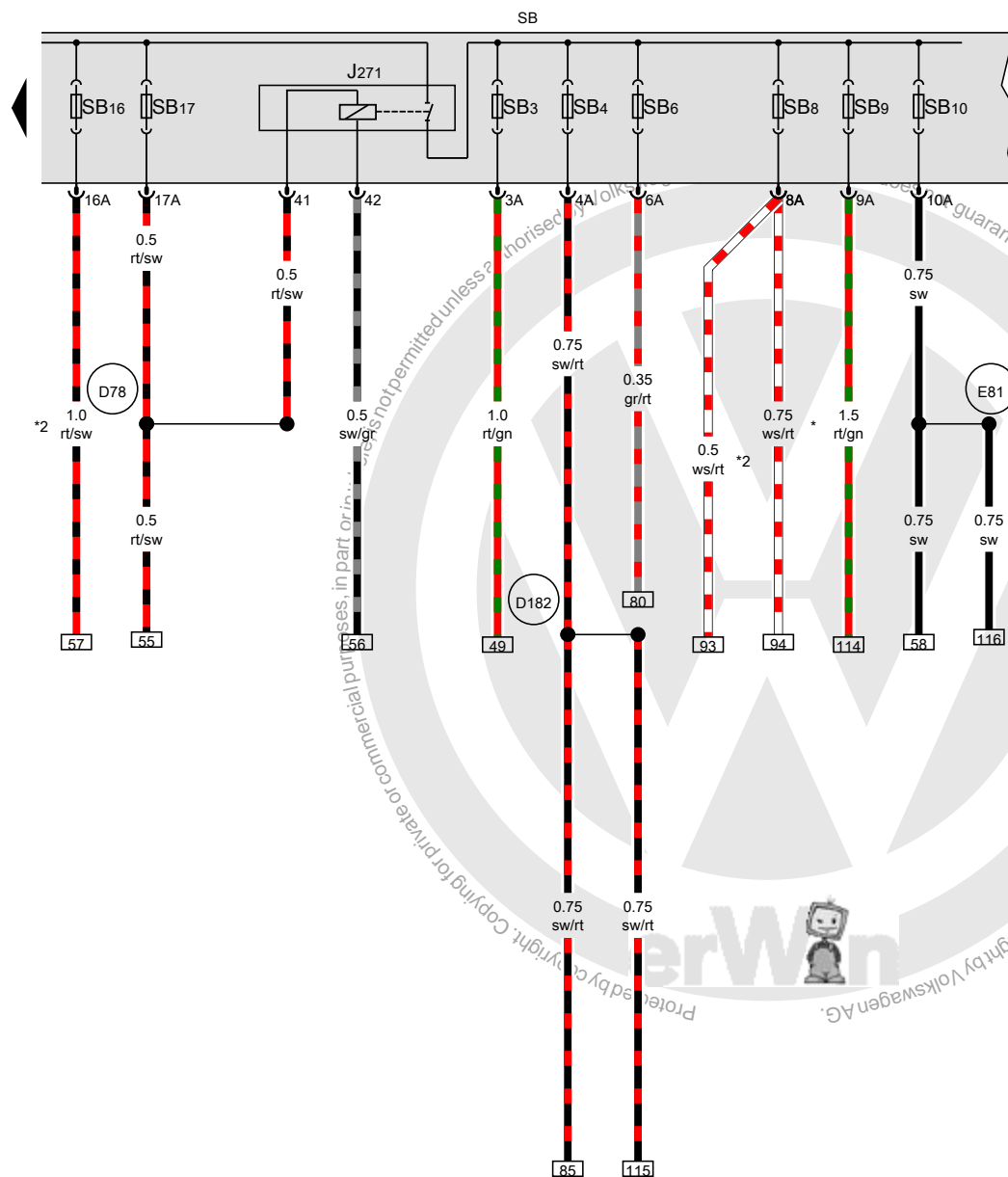




Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- C Alternator
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * For models with manual gearbox
- *2 Up to May 2015
- *3 For models with start/stop system
- *4 According to equipment
- *5 Cross-section 35.0 possible
- *6 For models with no start/stop system
- *7 From May 2015

ws = white
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Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B

(D78) Positive connection 1 (30a), in engine compartment wiring harness

(D182) Connection 3 (87a), in engine compartment wiring harness

(E81) Connection 5 (87a) in engine wiring harness

* Not for models with Euro 3 emission standard

*2 For models with Euro 3 emission standard

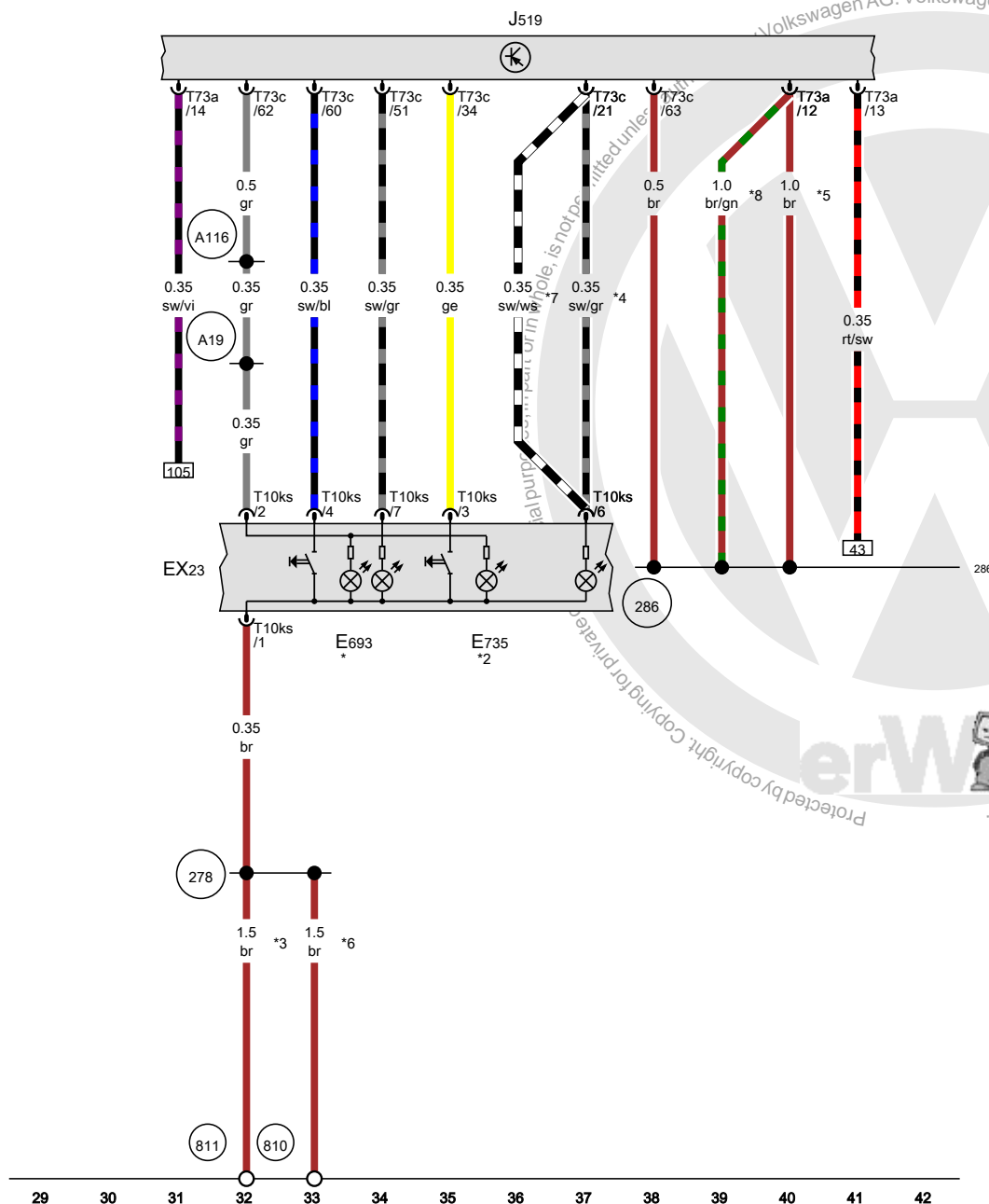
ws = white
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Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit

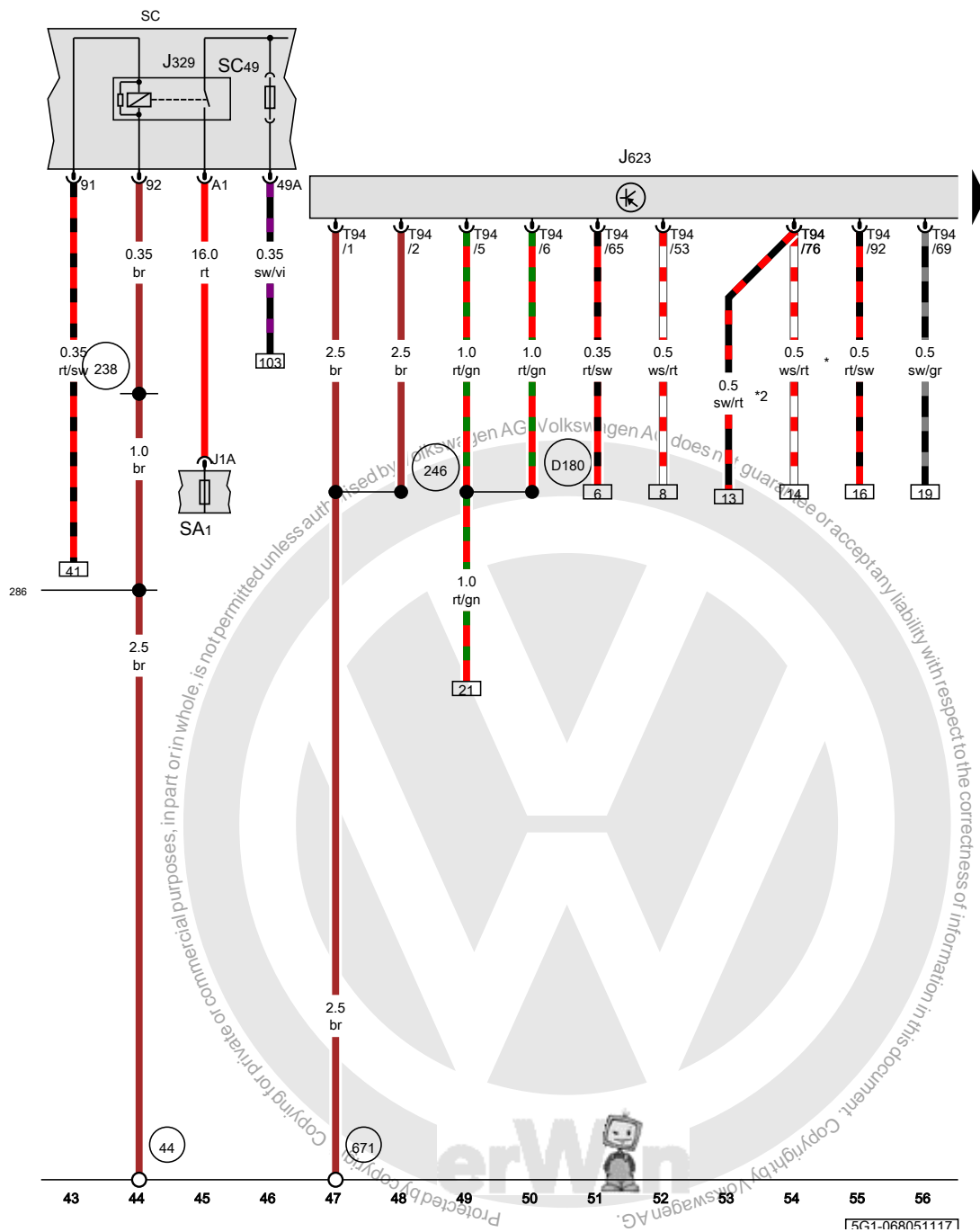
- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * For models with start/stop system
- *2 According to equipment
- *3 For right-hand drive models
- *4 Up to May 2015
- *5 Up to November 2017
- *6 For left-hand drive models
- *7 From May 2015
- *8 From November 2017

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[5G1-068041117]



Terminal 15 voltage supply relay, Engine/motor control unit,
Fuse 1 on fuse holder A, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J623 Engine/motor control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T94 94-pin connector

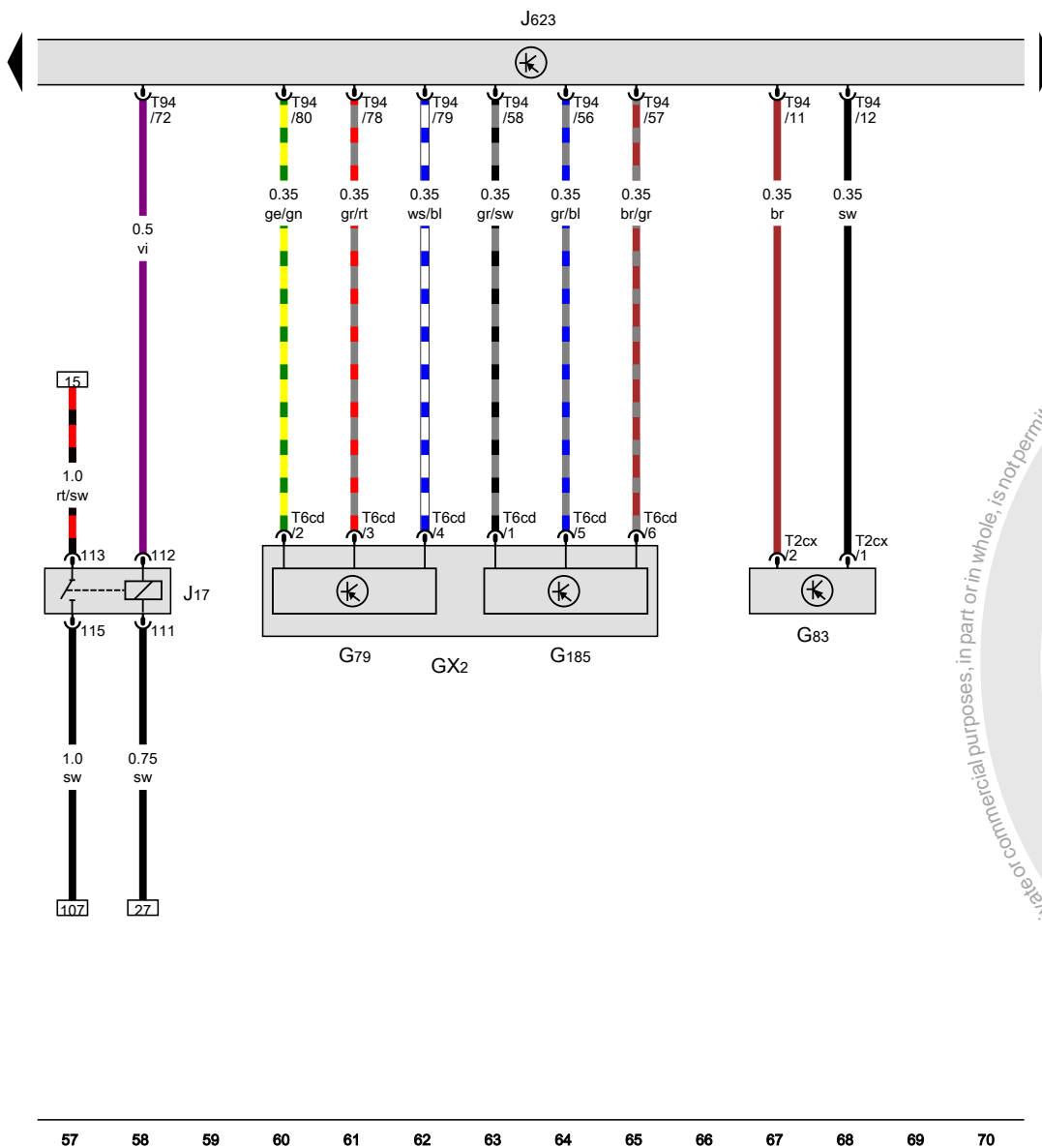
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 246 Earth connection (control unit), in engine wiring harness
- 286 Earth connection 8, in interior wiring harness
- 671 Earth point 1, on front of left longitudinal member
- D180 Connection (87a), in engine compartment wiring harness

- * Up to May 2015
- *2 From May 2015

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Accelerator pedal module, Radiator outlet coolant temperature sender, Fuel pump relay, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J17 Fuel pump relay
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T6cd 6-pin connector
- T94 94-pin connector



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[5G1-068061117]

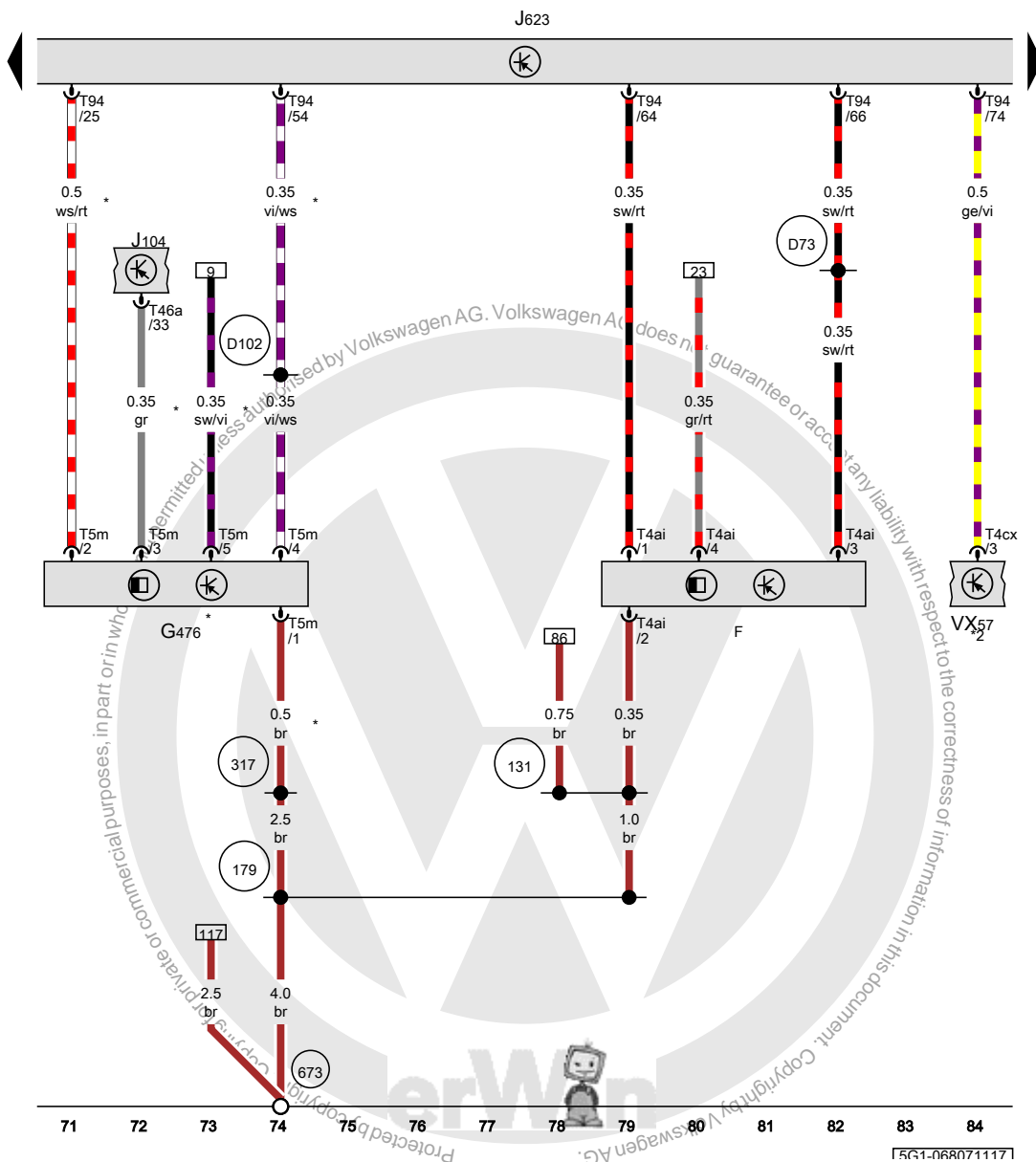
Brake light switch, Clutch position sender, ABS control unit, Engine/motor control unit, Radiator fan

- F Brake light switch
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T4ai 4-pin connector
- T4cx 4-pin connector, black
- T5m 5-pin connector
- T46a 46-pin connector, black
- T94 94-pin connector
- VX57 Radiator fan

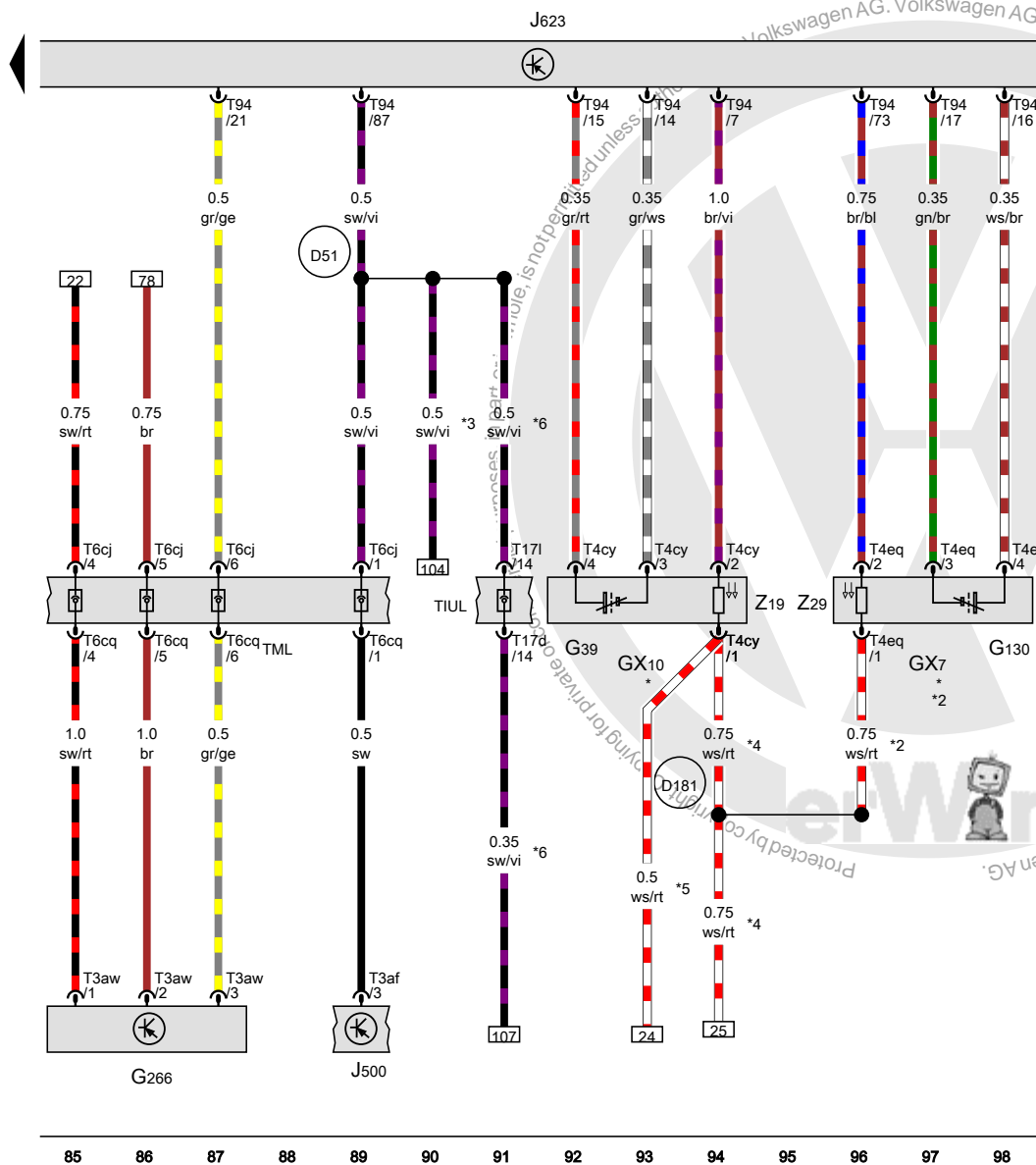
- (131) Earth connection 2, in engine compartment wiring harness
- (179) Earth connection, in left headlight wiring harness
- (317) Earth connection 7, in engine compartment wiring harness
- (673) Earth point 3, on front of left longitudinal member
- (D73) Positive connection (54), in engine compartment wiring harness
- (D102) Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 Pre-wired component

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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Oil level and oil temperature sender, Power steering control unit, Engine/motor control unit



- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T3af 3-pin connector
- T3aw 3-pin connector
- T4cy 4-pin connector
- T4eq 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment
- *3 Up to November 2017
- *4 Not for models with Euro 3 emission standard
- *5 For models with Euro 3 emission standard
- *6 From November 2017

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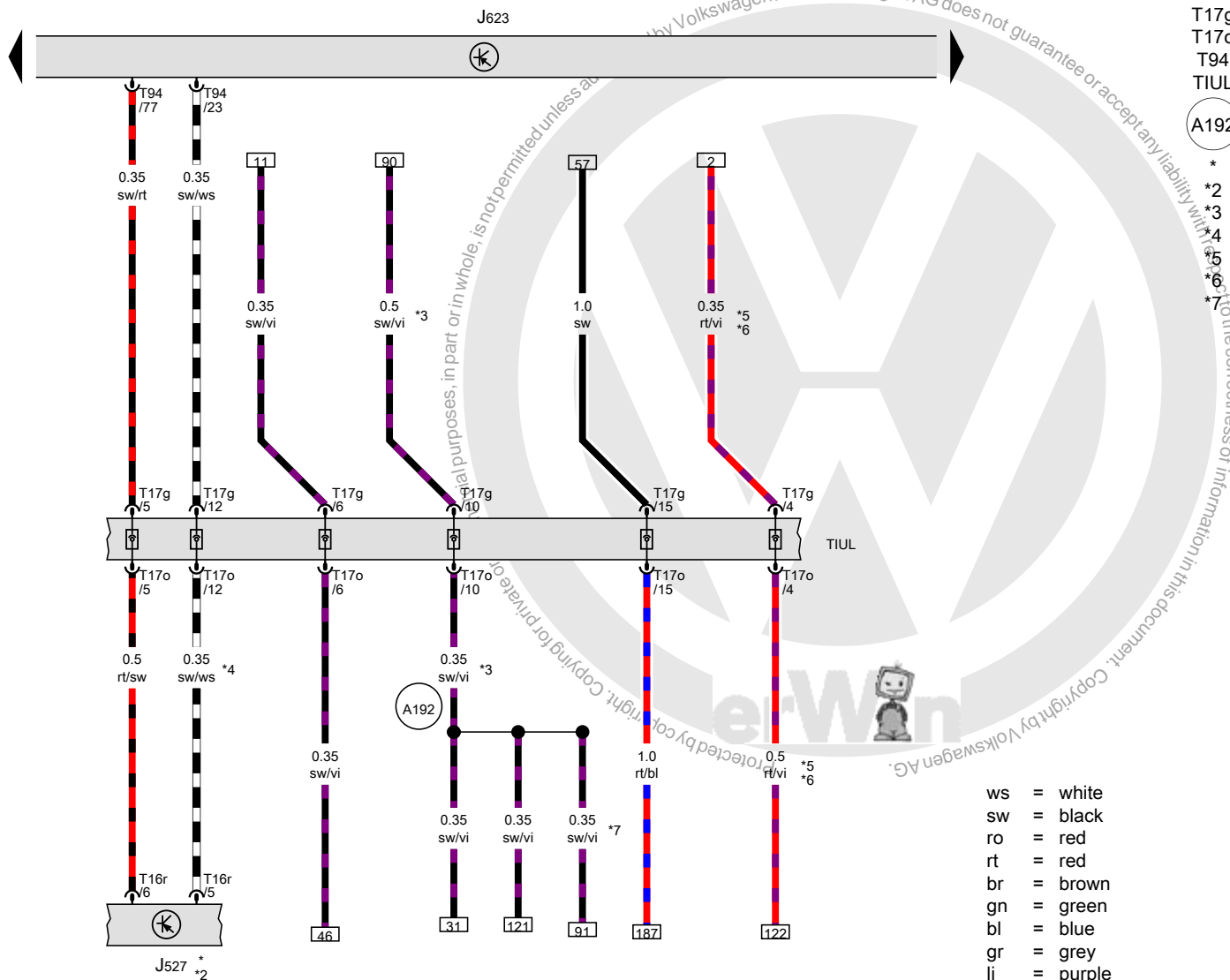
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Steering column electronics control unit, Engine/motor control unit

- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 For models with no start/stop system
- *6 According to equipment
- *7 From November 2017



99 100 101 102 103 104 105 106 107 108 109 110 111 112

[5G1-068091117]

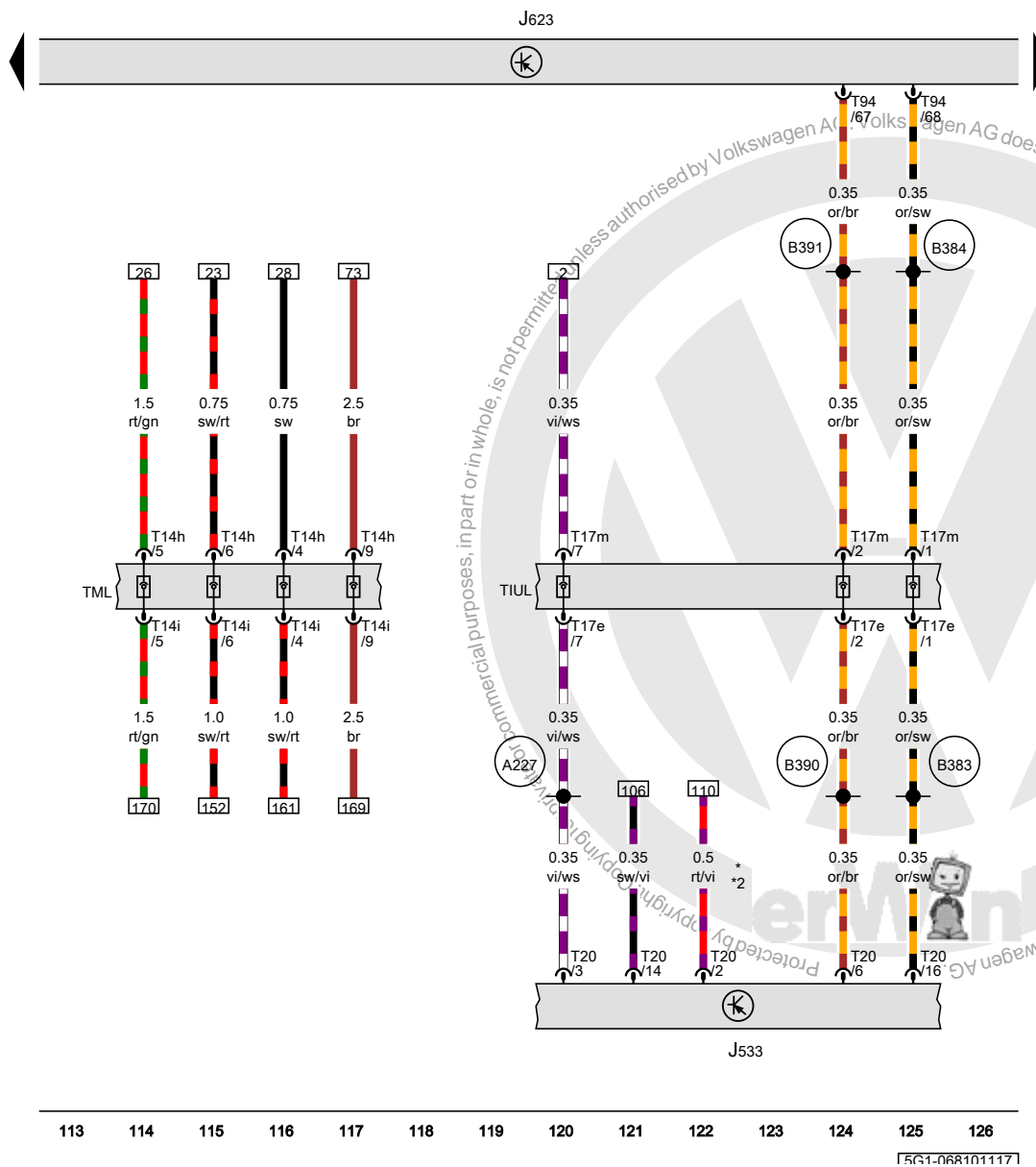
Data bus diagnostic interface, Engine/motor control unit

- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

*2 For models with no start/stop system
According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



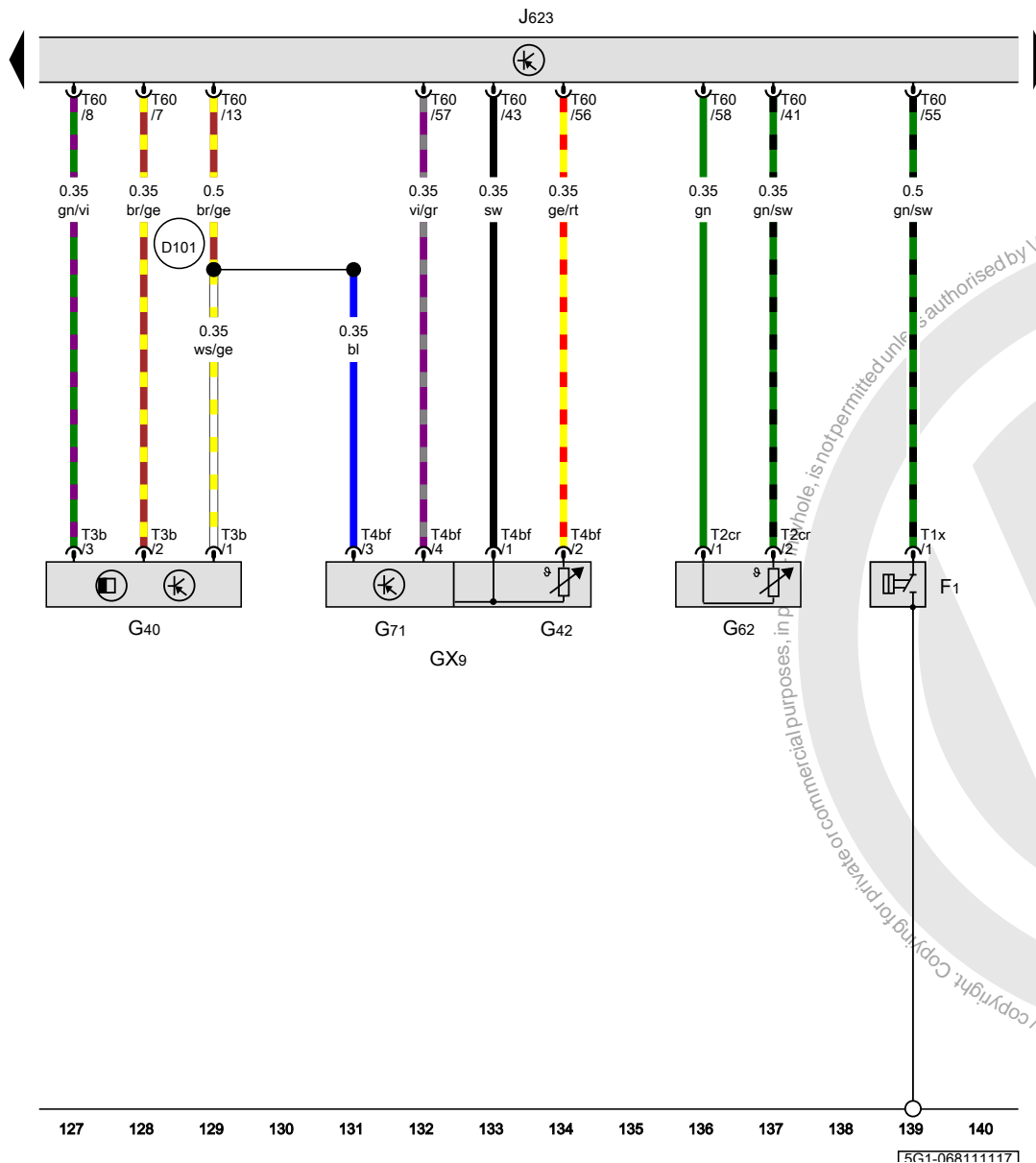
113 114 115 116 117 118 119 120 121 122 123 124 125 126

[5G1-068101117]

Oil pressure switch, Hall sender, Intake air temperature sender, Coolant temperature sender, Intake manifold pressure sender, Engine/motor control unit

- F1 Oil pressure switch
- GX9 Intake manifold sender
- G40 Hall sender
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- J623 Engine/motor control unit
- T1x 1-pin connector
- T2cr 2-pin connector
- T3b 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

D101 Connection 1 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

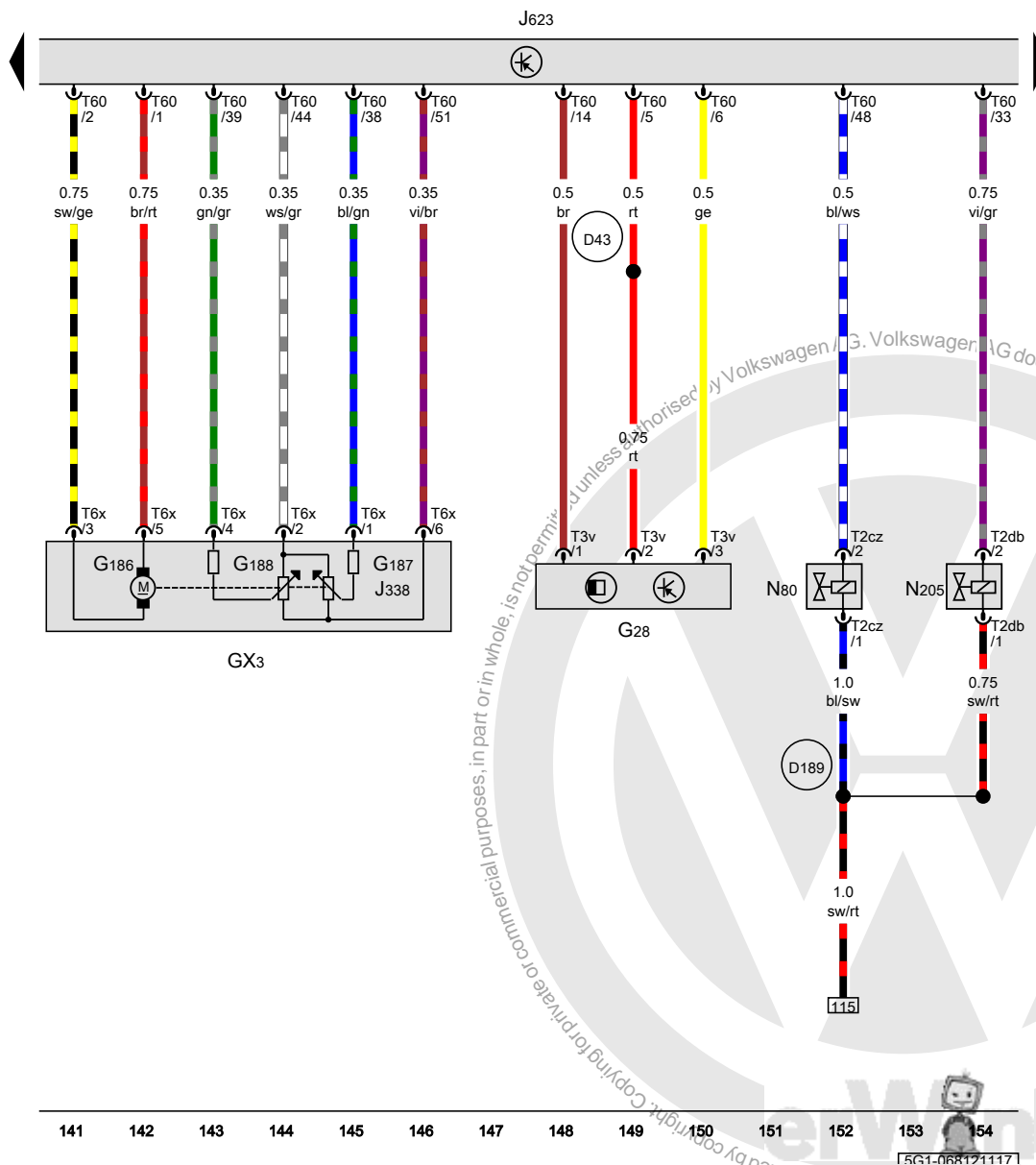
Throttle valve module, Engine speed sender, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1

- GX3 Throttle valve module
- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- T2cz 2-pin connector
- T2db 2-pin connector
- T3v 3-pin connector
- T6x 6-pin connector
- T60 60-pin connector

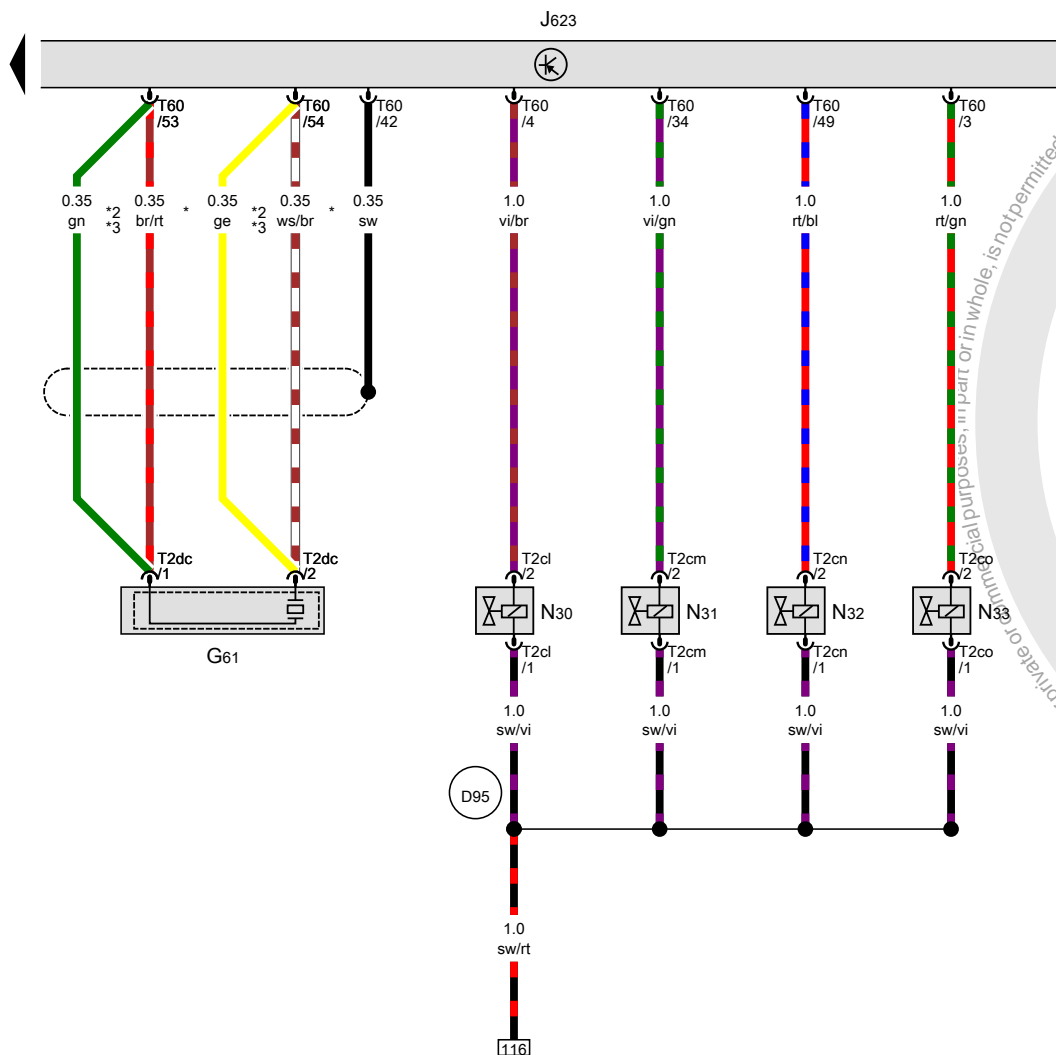
D43 Connection 5, in engine prewiring harness

D189 Connection (87a) in engine prewiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Knock sensor 1, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- G61 Knock sensor 1
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D95 Connection (injectors), in engine compartment wiring harness

- * Up to June 2015
- *2 From June 2015
- *3 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

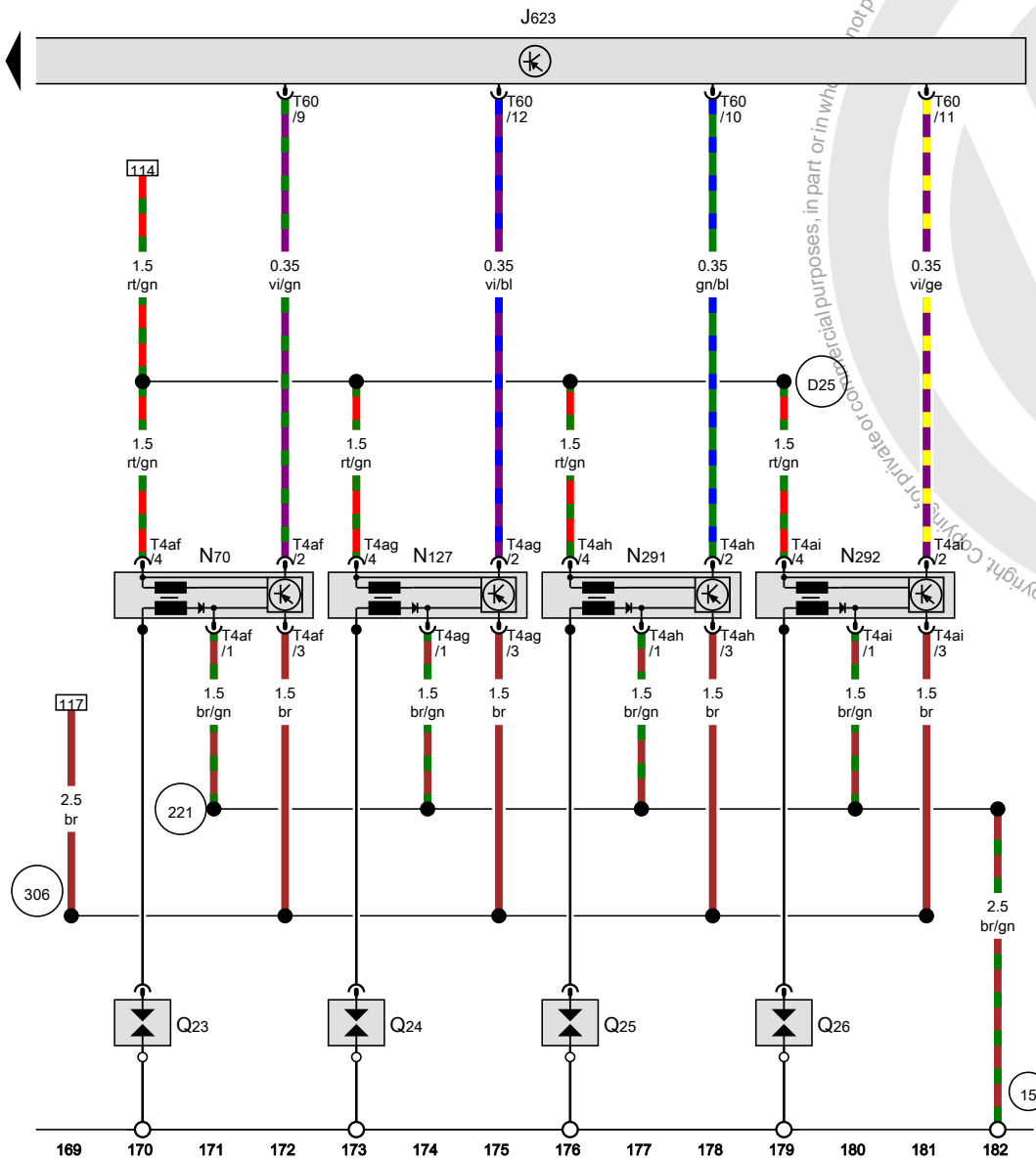
[5G1-068131117]

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness

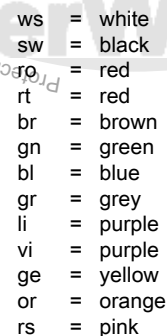
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



[5G1-068141117]

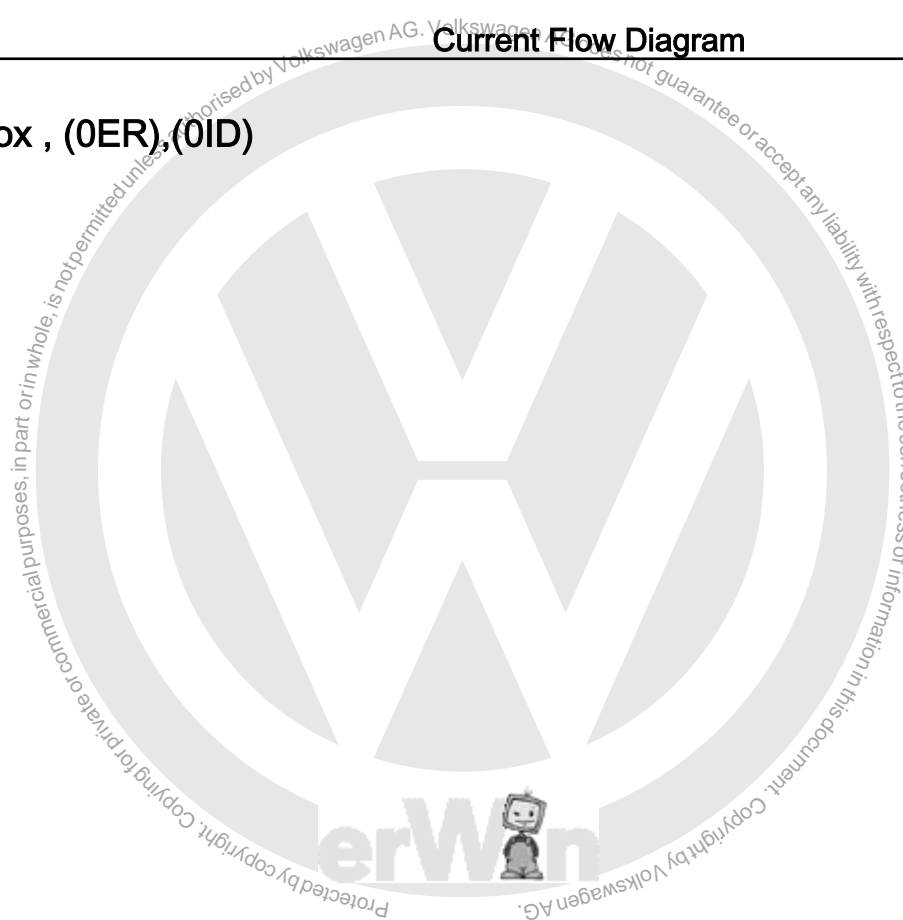
G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
KX2	Dash panel insert
T5b	5-pin connector
T18	18-pin connector

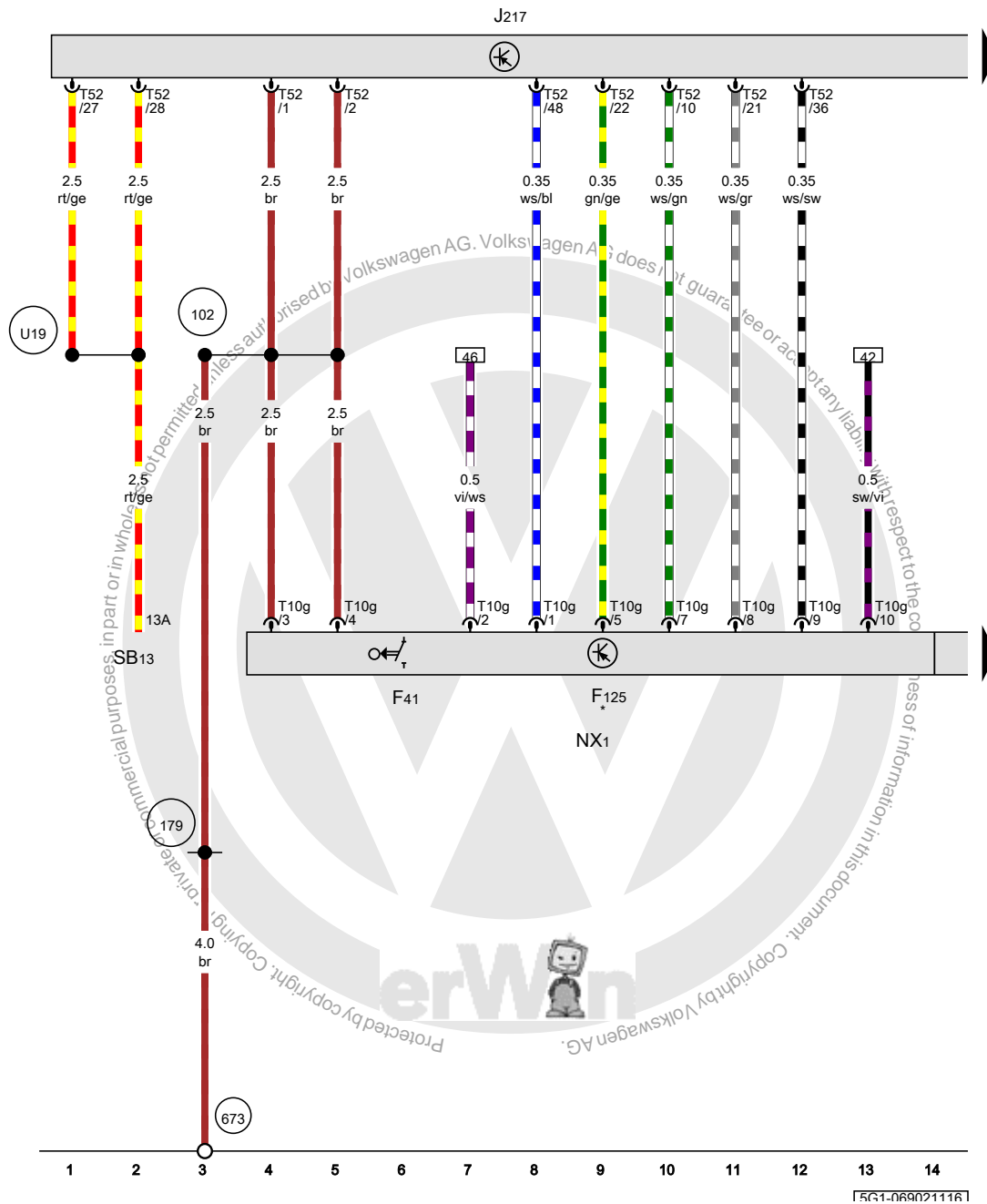
(730) Earth point 1, on right rear wheel housing



6-speed automatic gearbox , (0ER),(0ID)

From May 2014

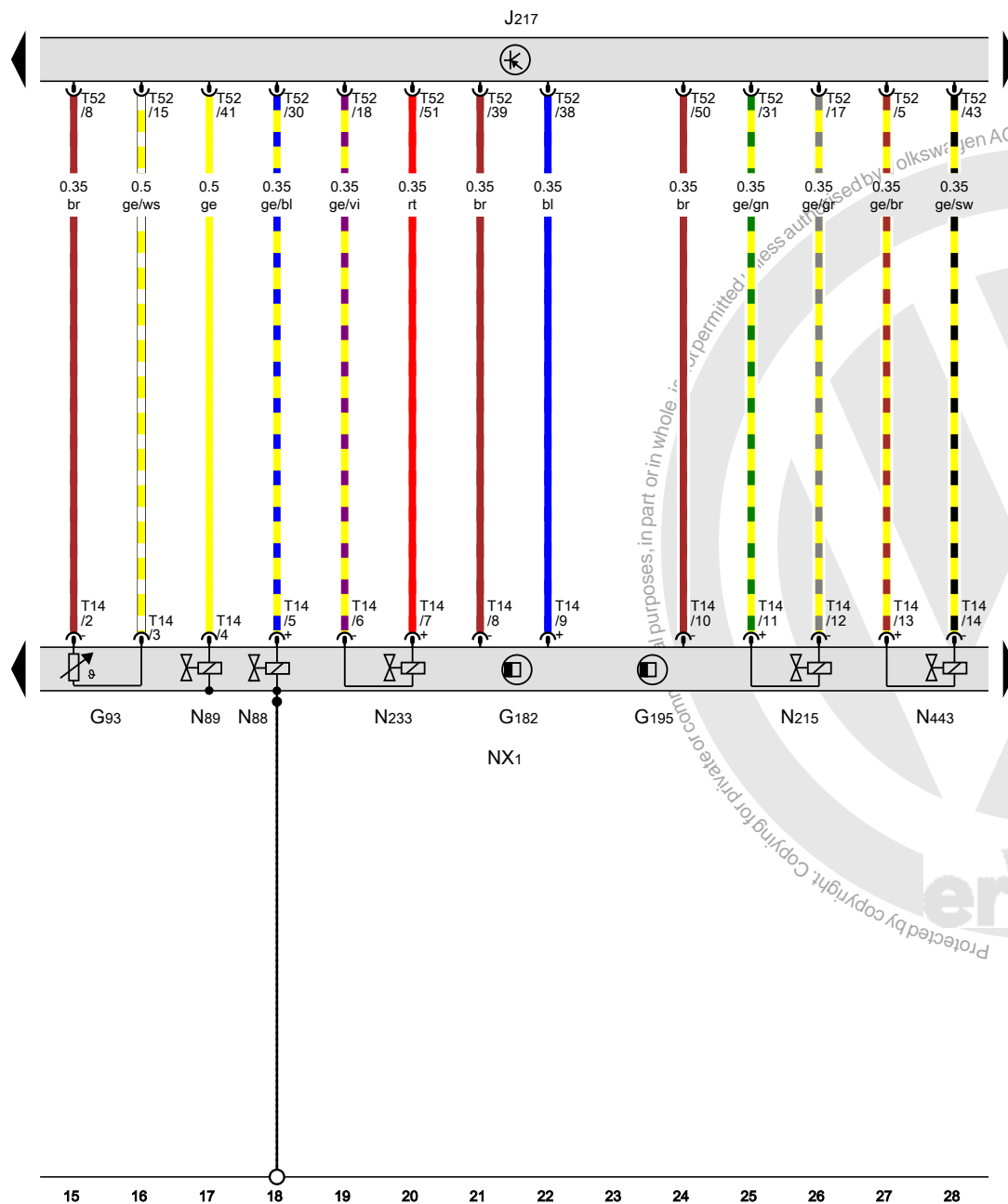




Multifunction switch, Automatic gearbox control unit, Gearbox

- F41 Reversing switch
- F125 Multifunction switch
- J217 Automatic gearbox control unit
- NX1 Gearbox
- SB13 Fuse 13 on fuse holder B
- T10g 10-pin connector
- T52 52-pin connector

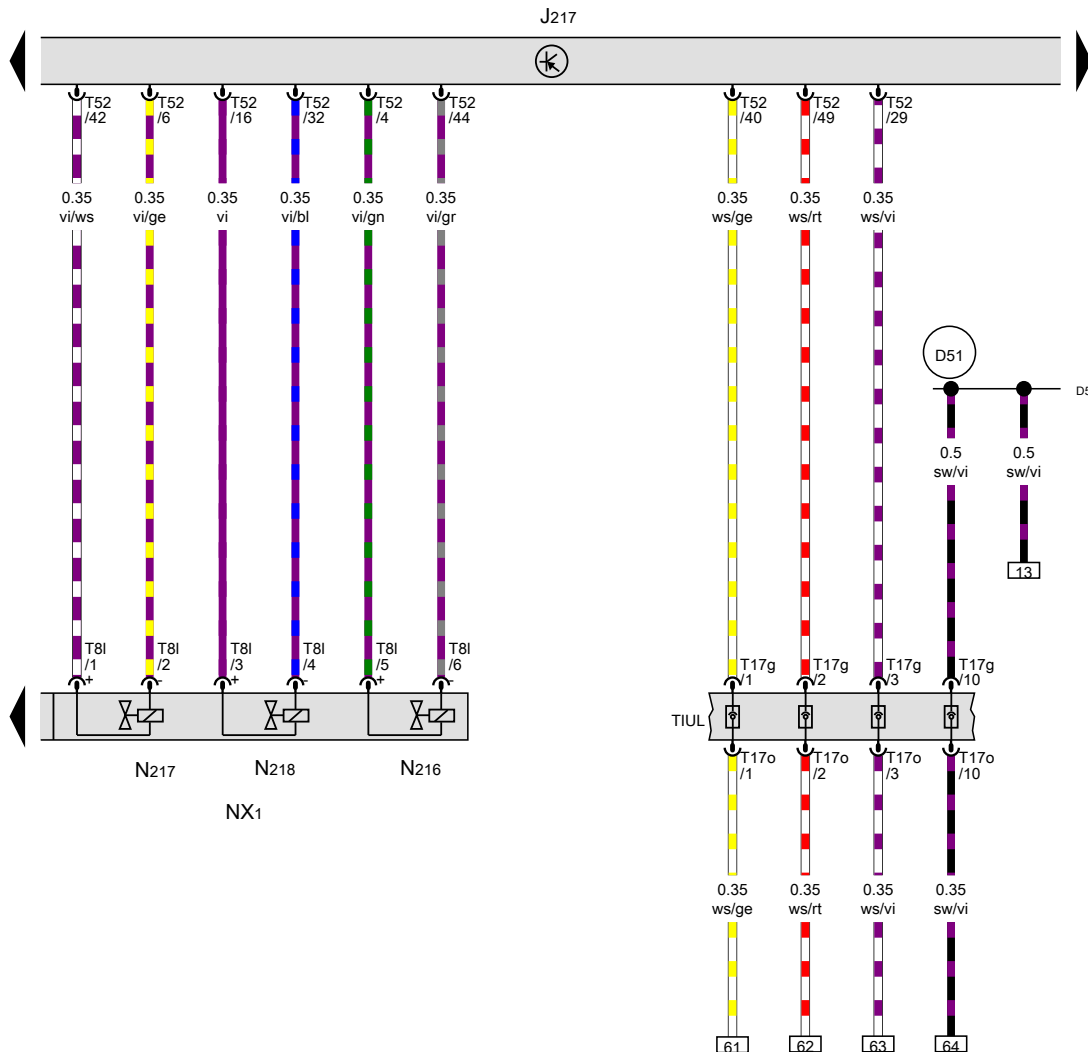
- 102 Earth connection, in gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- U19 Positive connection 2 (30a) in automatic gearbox wiring harness
- * Pre-wired component



Gearbox oil temperature sender, Gearbox input speed sender, Gearbox output speed sender, Automatic gearbox control unit, Gearbox, Solenoid valve 2, Automatic gearbox pressure regulating valve 1, Automatic gearbox pressure regulating valve 5, Automatic gearbox pressure regulating valve 7

- G93 Gearbox oil temperature sender
- G182 Gearbox input speed sender
- G195 Gearbox output speed sender
- J217 Automatic gearbox control unit
- NX1 Gearbox
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N215 Automatic gearbox pressure regulating valve 1
- N233 Automatic gearbox pressure regulating valve 5
- N443 Automatic gearbox pressure regulating valve 7
- T14 14-pin connector
- T52 52-pin connector

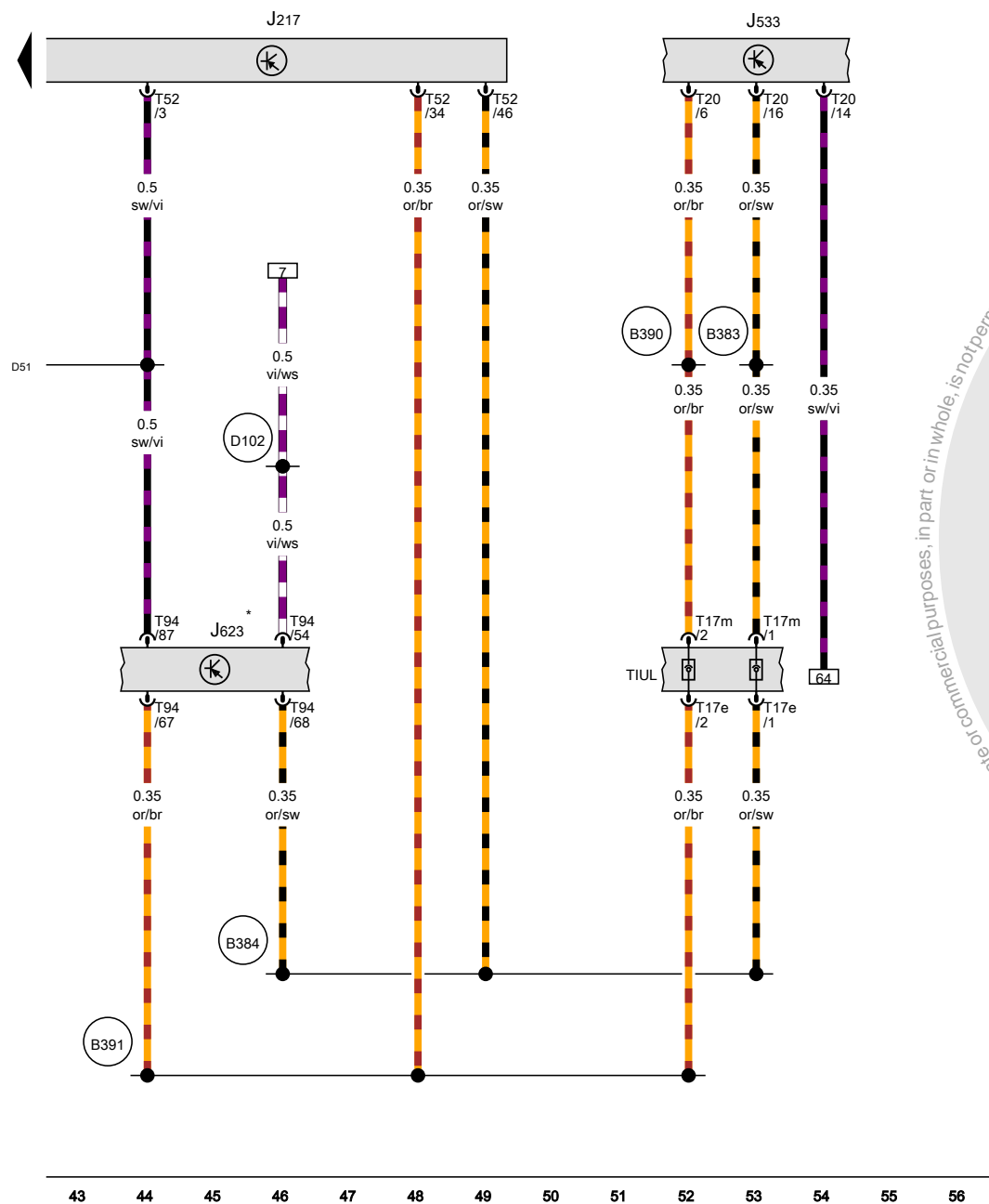
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Automatic gearbox control unit, Gearbox, Automatic gearbox pressure regulating valve 2, Automatic gearbox pressure regulating valve 4

- J217 Automatic gearbox control unit
- NX1 Gearbox
- N216 Automatic gearbox pressure regulating valve 2
- N217 Automatic gearbox pressure regulating valve 3
- N218 Automatic gearbox pressure regulating valve 4
- T8I 8-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T52 52-pin connector
- TIUL Coupling point in interior, below left
- D51 Positive connection 1 (15), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

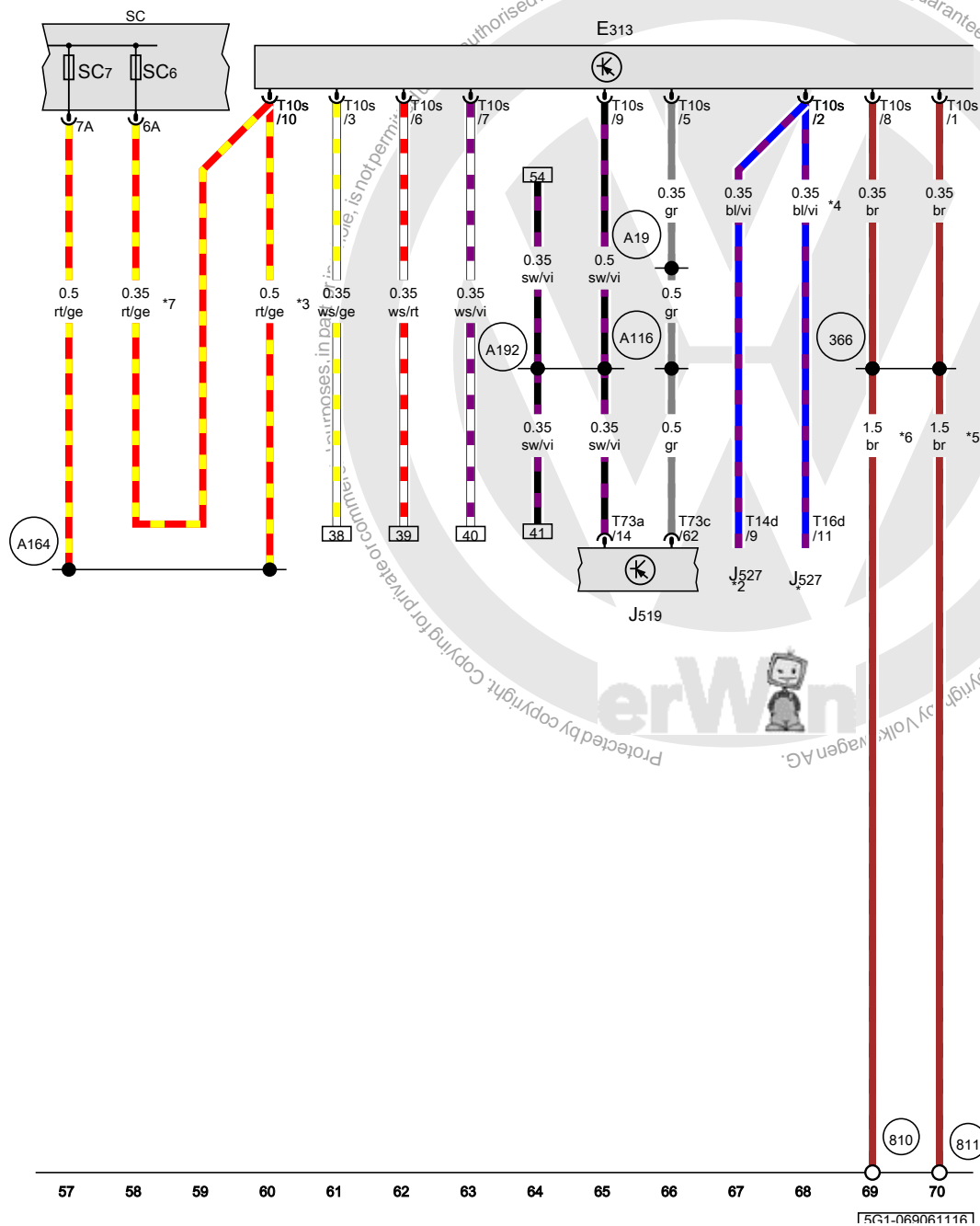


Automatic gearbox control unit, Data bus diagnostic interface

- J217 Automatic gearbox control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T52 52-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

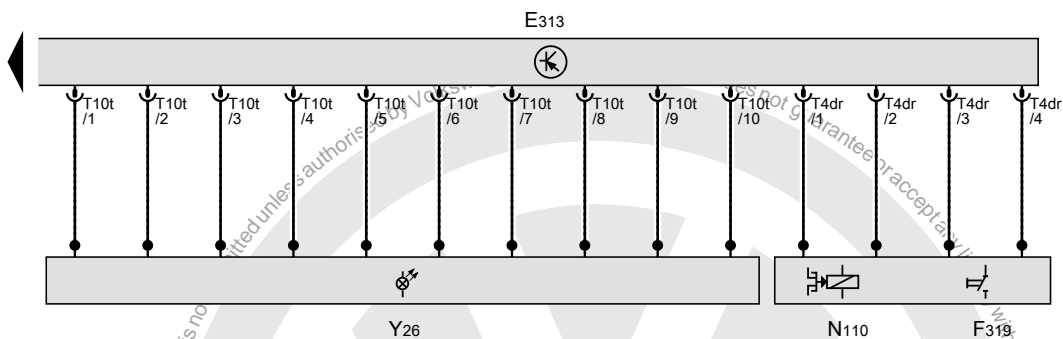


Selector lever, Fuse holder C

- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T10s 10-pin connector
- T14d 14-pin connector
- T16d 16-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 366 Earth connection 1, in main wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- * Only models with no heated steering wheel
- *2 Only models with heated steering wheel
- *3 Up to November 2015
- *4 Wiring colour depends on equipment
- *5 Only right-hand drive models
- *6 Only left-hand drive models
- *7 From November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Selector lever, Selector lever locked in position P switch,
Selector lever lock solenoid, Selector lever position display

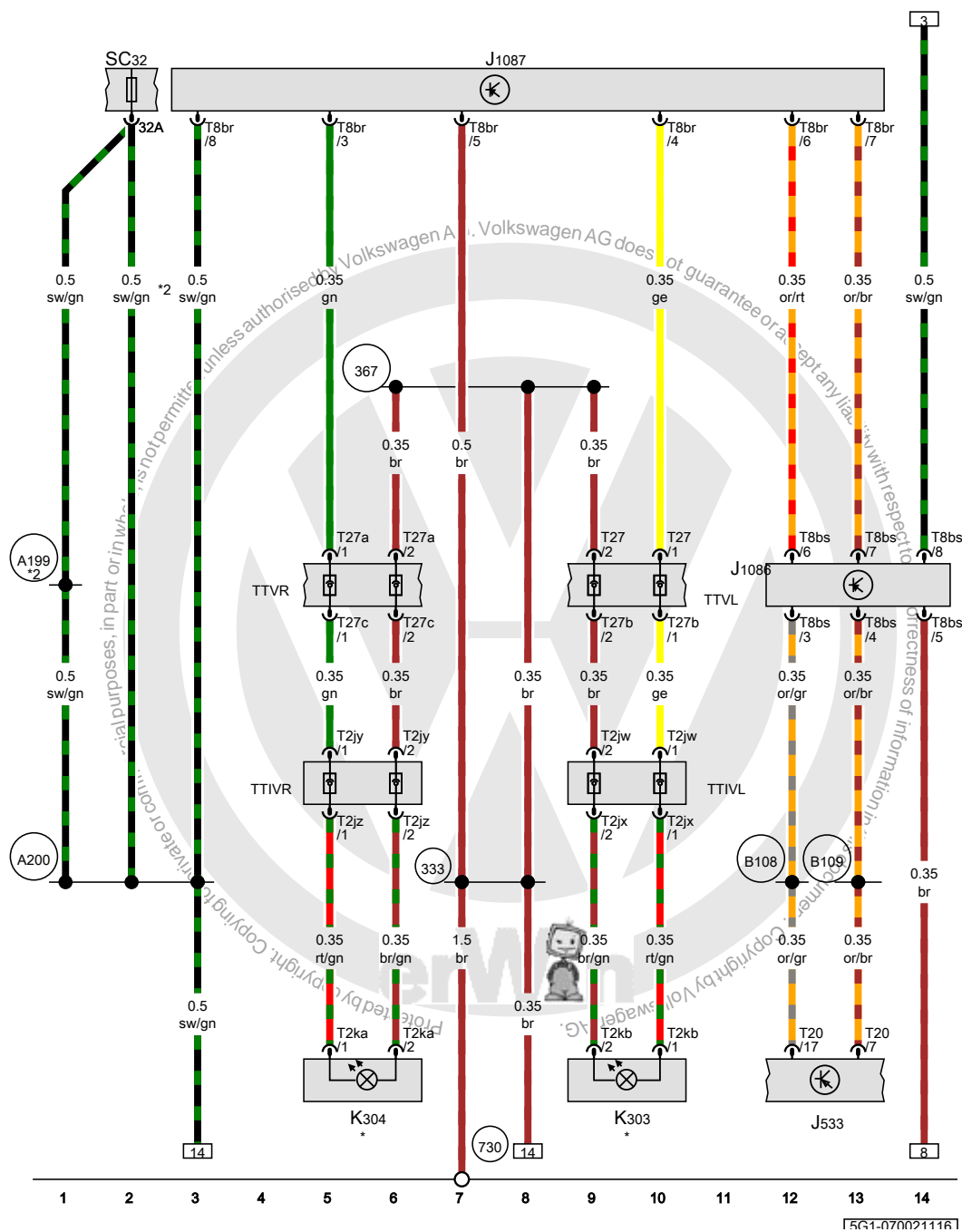
- E313 Selector lever
- F319 Selector lever locked in position P switch
- N110 Selector lever lock solenoid
- T4dr 4-pin connector
- T10t 10-pin connector
- Y26 Selector lever position display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lane change assist , (7Y8),(7Y9)

From May 2014





Data bus diagnostic interface, Blind Spot Monitor control unit, Blind Spot Monitor control unit 2, Blind Spot Monitor warning lamp in left exterior mirror, Blind Spot Monitor warning lamp in right exterior mirror, Fuse 32 on fuse holder C

- J533 Data bus diagnostic interface
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- K303 Blind Spot Monitor warning lamp in left exterior mirror
- K304 Blind Spot Monitor warning lamp in right exterior mirror
- SC32 Fuse 32 on fuse holder C
- T2jw 2-pin connector, black
- T2jx 2-pin connector, black
- T2jy 2-pin connector, black
- T2jz 2-pin connector, black
- T2ka 2-pin connector, black
- T2kb 2-pin connector, black
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T20 20-pin connector
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- TTIVL Coupling point in front left door
- TTIVR Coupling point in front right door
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

- 333 Earth connection 5, in rear wiring harness
- 367 Earth connection 2, in main wiring harness
- 730 Earth point 1, on right rear wheel housing
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness

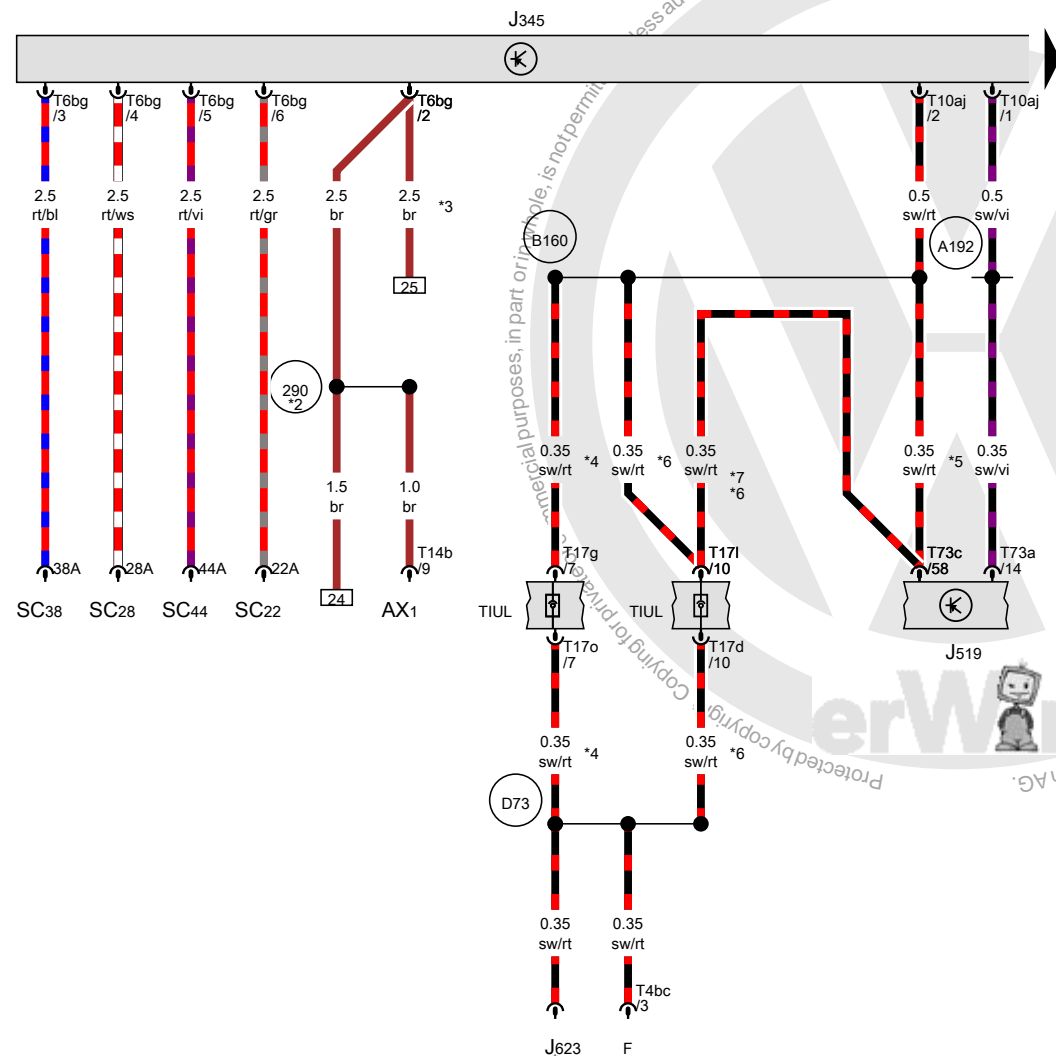
- * Pre-wired component
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Trailer coupling , (1D4),(1M5)

From May 2014



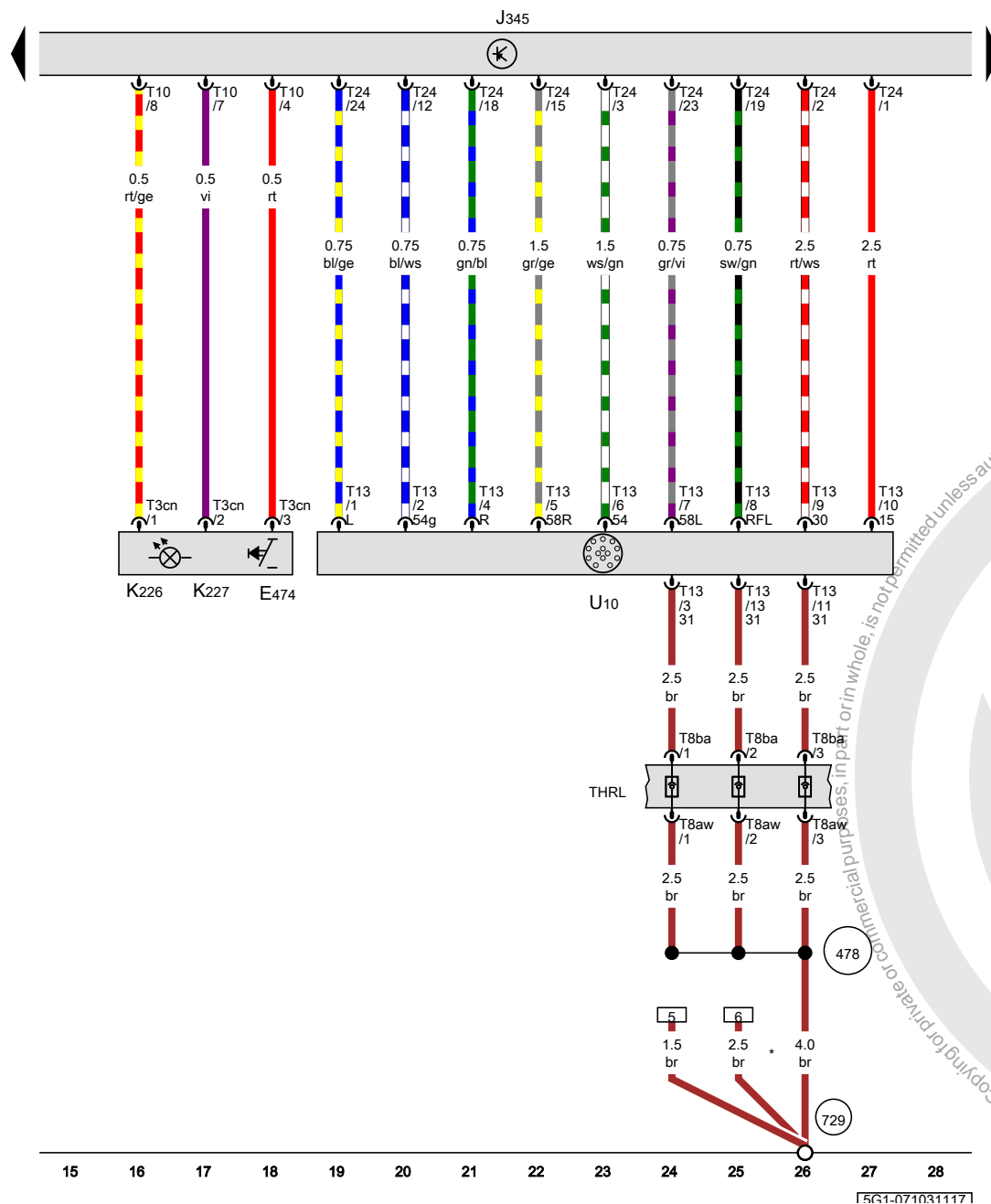


Brake light switch, Trailer detector control unit, Onboard supply control unit, Engine/motor control unit

- AX1 Hybrid battery unit
- F Brake light switch
- J345 Trailer detector control unit
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- SC22 Fuse 22 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T4bc 4-pin connector
- T6bg 6-pin connector, black
- T10aj 10-pin connector, black
- T14b 14-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- 290 Earth connection 1, in second battery wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 For models with hybrid drive system
- *3 According to equipment
- *4 Up to November 2017
- *5 For models with trailer socket
- *6 From November 2017
- *7 For models with no trailer socket

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Electric hinged tow coupling attachment button, Trailer detector control unit, Trailer socket

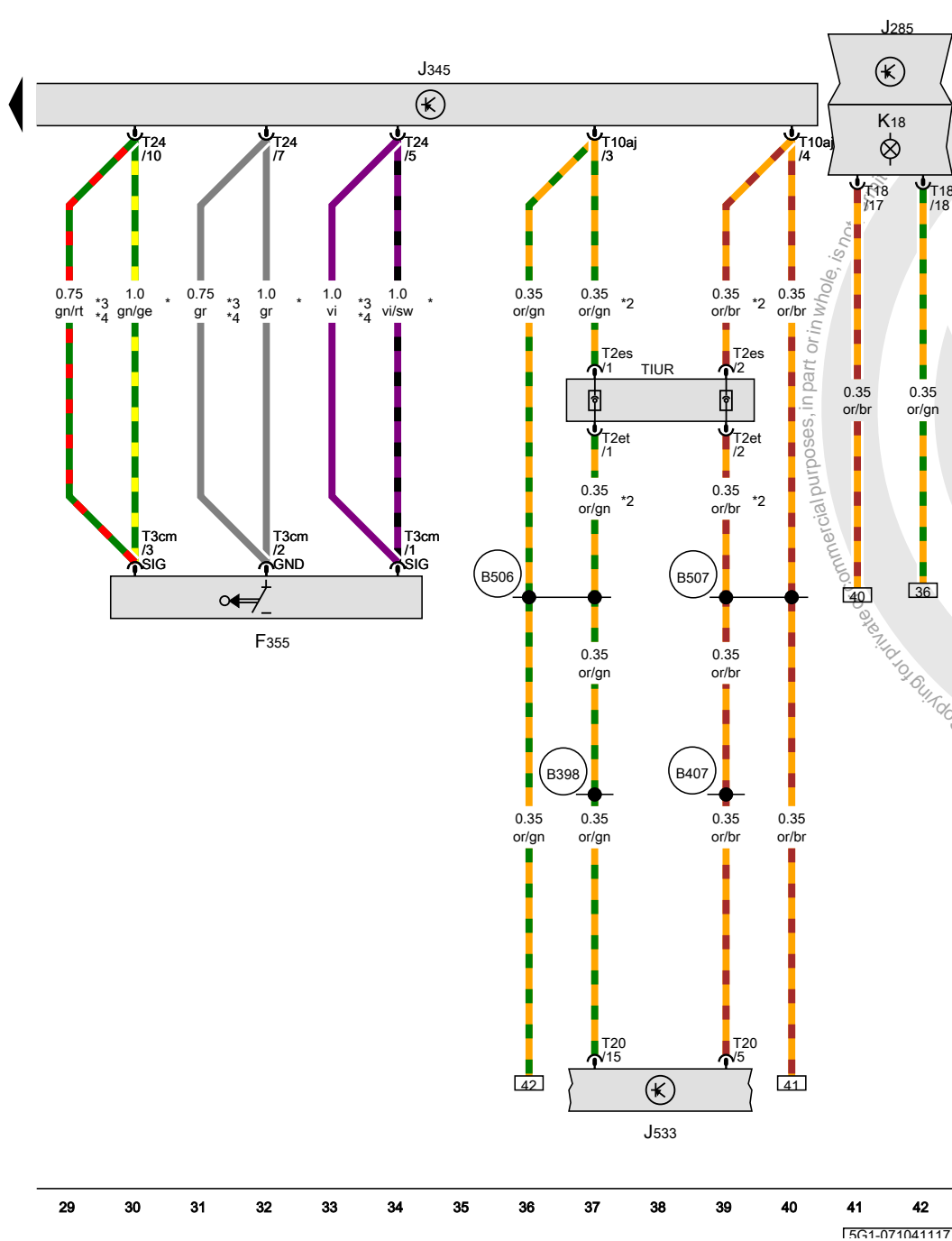


- E474 Electric hinged tow coupling attachment button
- J345 Trailer detector control unit
- K226 Towing bracket locked warning lamp
- K227 Towing bracket released warning lamp
- T3cn 3-pin connector, black
- T8aw 8-pin connector, black
- T8ba 8-pin connector, black
- T10 10-pin connector, red
- T13 13-pin connector
- T24 24-pin connector
- THRL Coupling point in luggage compartment, left
- U10 Trailer socket

478 Earth connection 3, in rear lid wiring harness

729 Earth point, on left rear wheel housing

* According to equipment



Contact switch on locking pin, Control unit in dash panel insert, Trailer detector control unit, Data bus diagnostic interface, Trailer operation warning lamp

- F355 Contact switch on locking pin
- J285 Control unit in dash panel insert
- J345 Trailer detector control unit
- J533 Data bus diagnostic interface
- K18 Trailer operation warning lamp
- T2es 2-pin connector, black
- T2et 2-pin connector, black
- T3cm 3-pin connector, black
- T10aj 10-pin connector, black
- T18 18-pin connector
- T20 20-pin connector
- T24 24-pin connector
- TIUR Coupling point in interior, below right

B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

B506 Connection (convenience CAN bus, high), in interior wiring harness

B507 Connection (convenience CAN bus, low), in interior wiring harness

* Up to February 2015

*2 For models with preparation for trailer coupling

*3 From February 2015

*4 gradual introduction

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

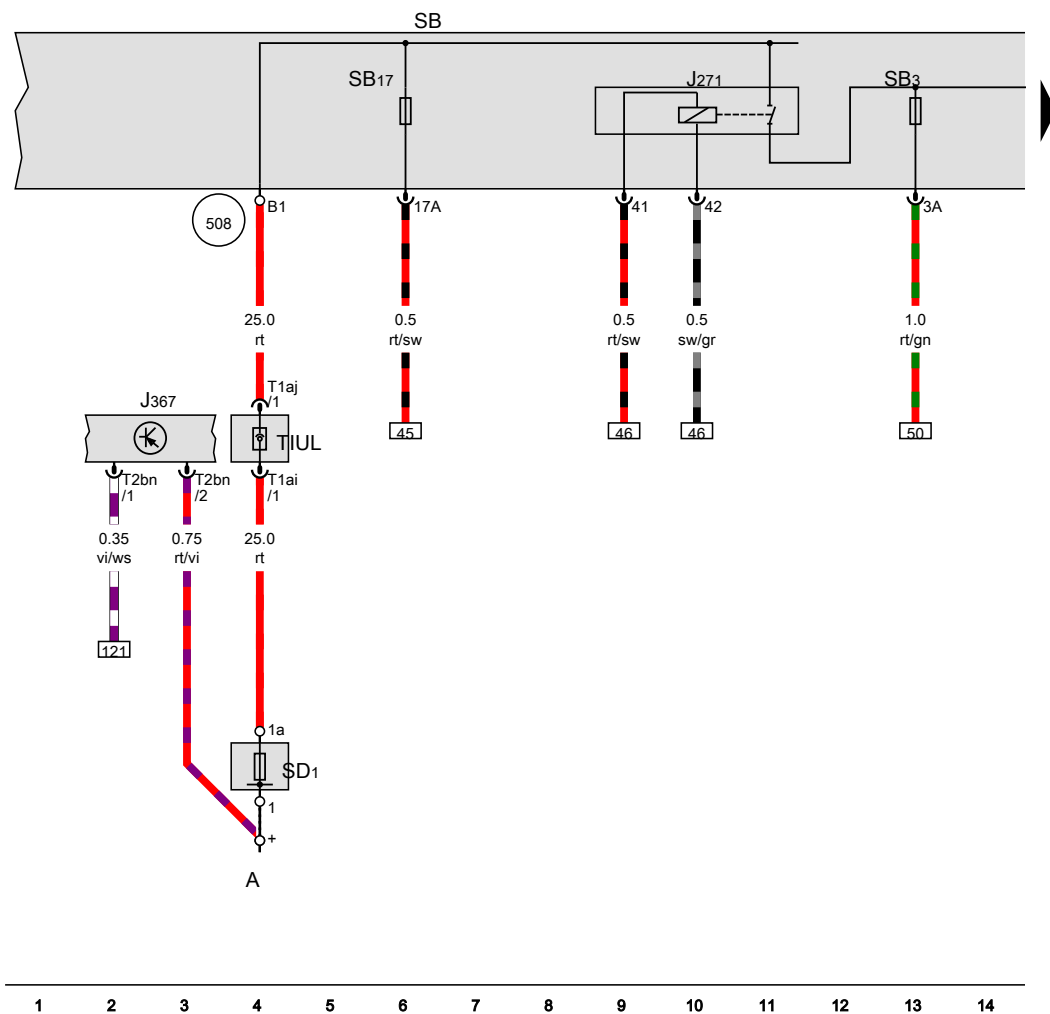
1.4l petrol engine , CUKB

From July 2014



Battery, Main relay, Battery monitor control unit, Fuse holder

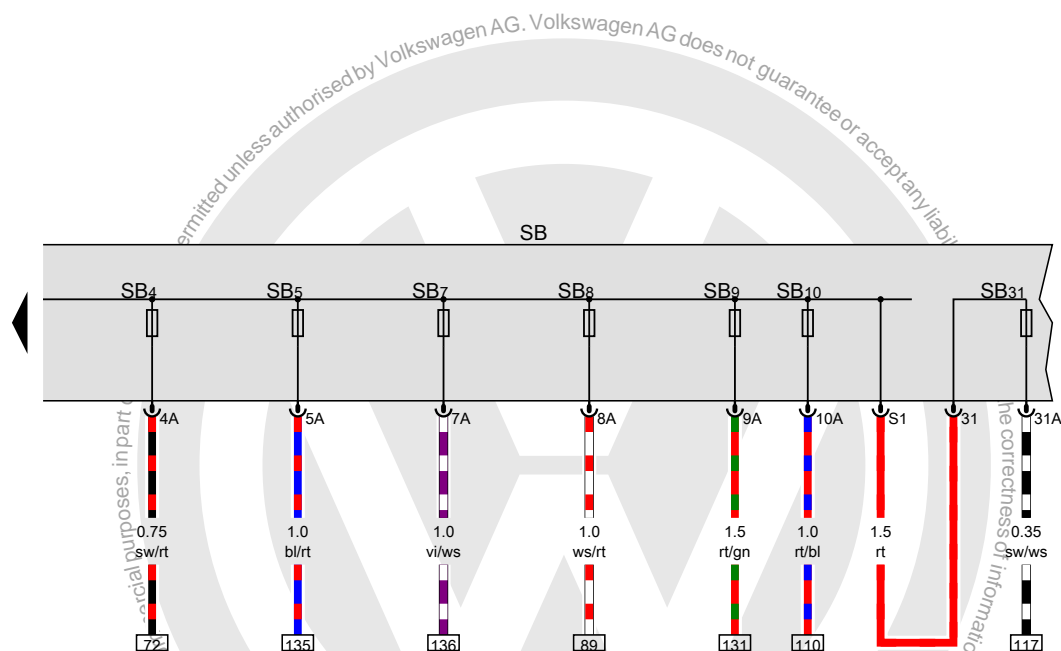
- | | |
|------|--|
| A | Battery, in luggage compartment, under floor panel |
| J271 | Main relay |
| J367 | Battery monitor control unit |
| SB | Fuse holder B |
| SD1 | Fuse 1 on fuse holder D |
| SB3 | Fuse 3 on fuse holder B |
| SB17 | Fuse 17 on fuse holder B |
| T1ai | Single connector |
| T1aj | Single connector |
| T2bn | 2-pin connector |
| TIUL | Coupling point in interior, below left |
| 508 | Threaded connection (30) on E-box |



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Fuse holder B

- SB Fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB31 Fuse 31 on fuse holder B



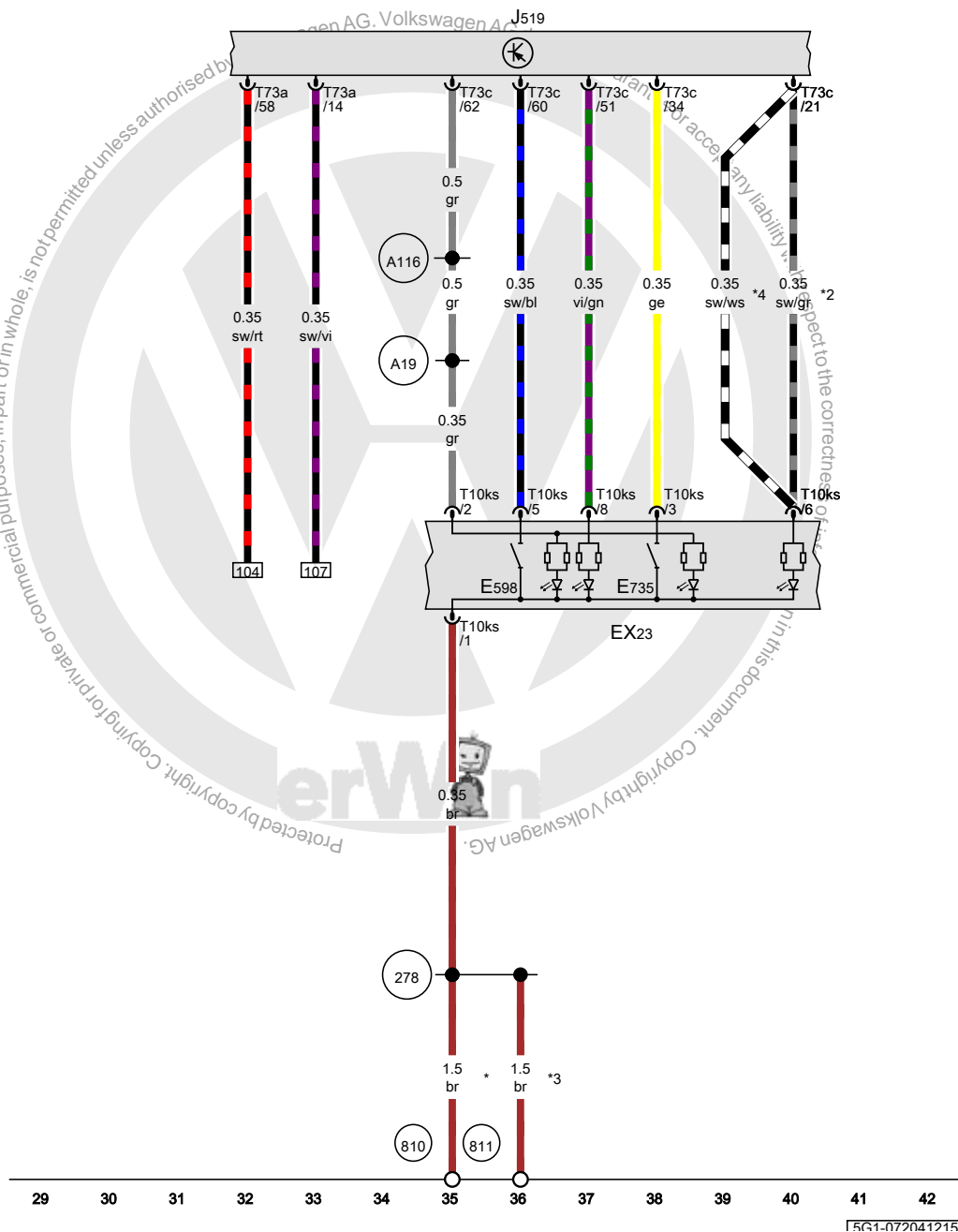
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Switch module 1 in centre console, Driving program button, Driving mode selection button, Onboard supply control unit

EX23 Switch module 1 in centre console
E598 Driving program button
E735 Driving mode selection button
J519 Onboard supply control unit
T10ks 10-pin connector
T73a 73-pin connector
T73c 73-pin connector

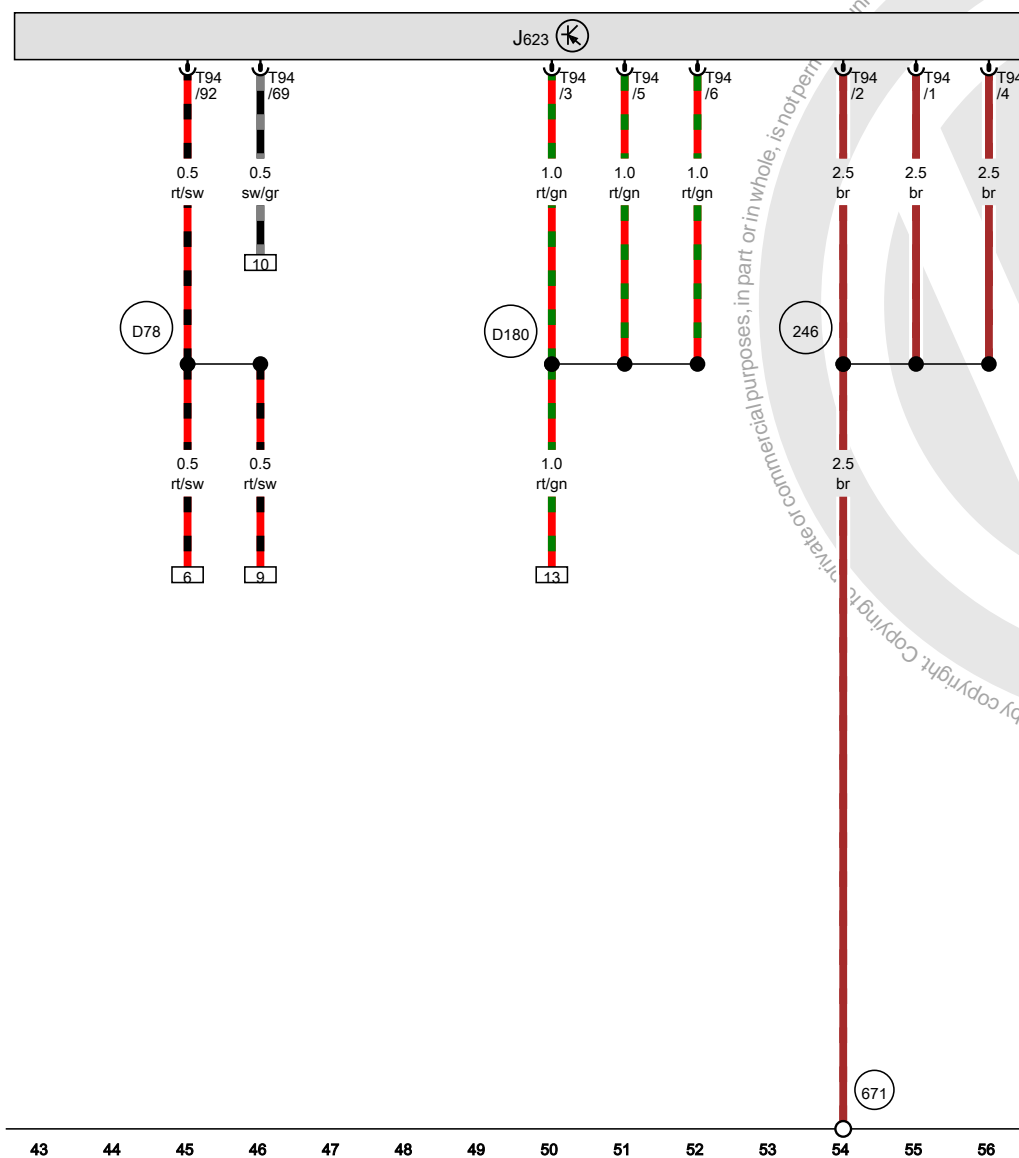
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only left-hand drive models
- *2 Up to May 2015
- *3 Only right-hand drive models
- *4 From May 2015

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Engine control unit

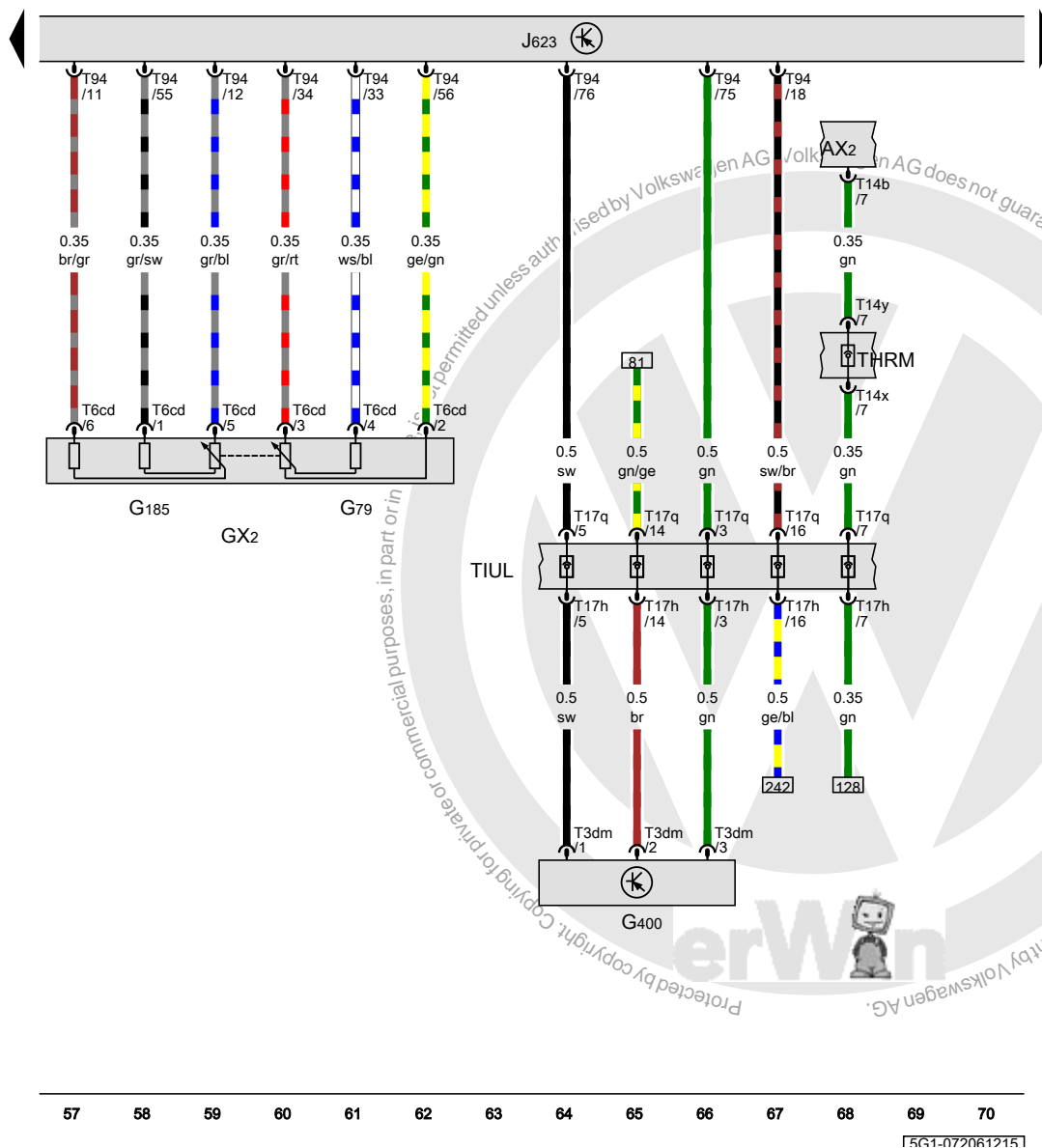
- J623 Engine control unit
- T94 94-pin connector
- 246 Earth connection (control unit), in engine wiring harness
- 671 Earth point 1, on front of left longitudinal member
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness



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- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal module, Tank pressure sensor, Engine control unit

- AX2 High-voltage battery 1
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G400 Tank pressure sensor
- J623 Engine control unit
- T3dm 3-pin connector
- T6cd 6-pin connector
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T94 94-pin connector
- THRM Coupling point in luggage compartment, centre
- TIUL Coupling point in interior, below left



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

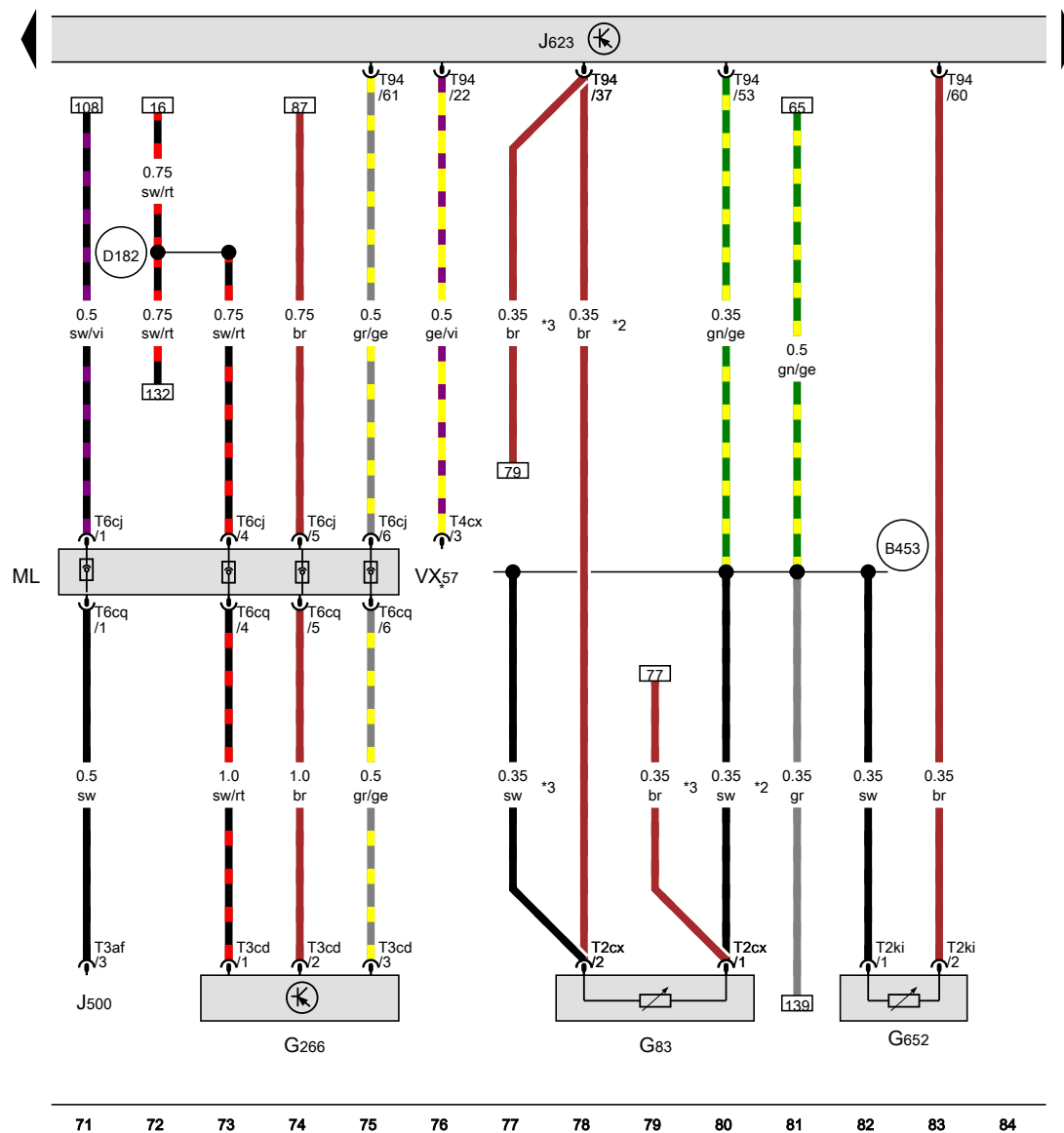
Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine temperature sender 2, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- G652 Engine temperature sender 2
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T2ki 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

B453 Connection 1 (sensor), in main wiring harness

D182 Connection 3 (87a), in engine compartment wiring harness

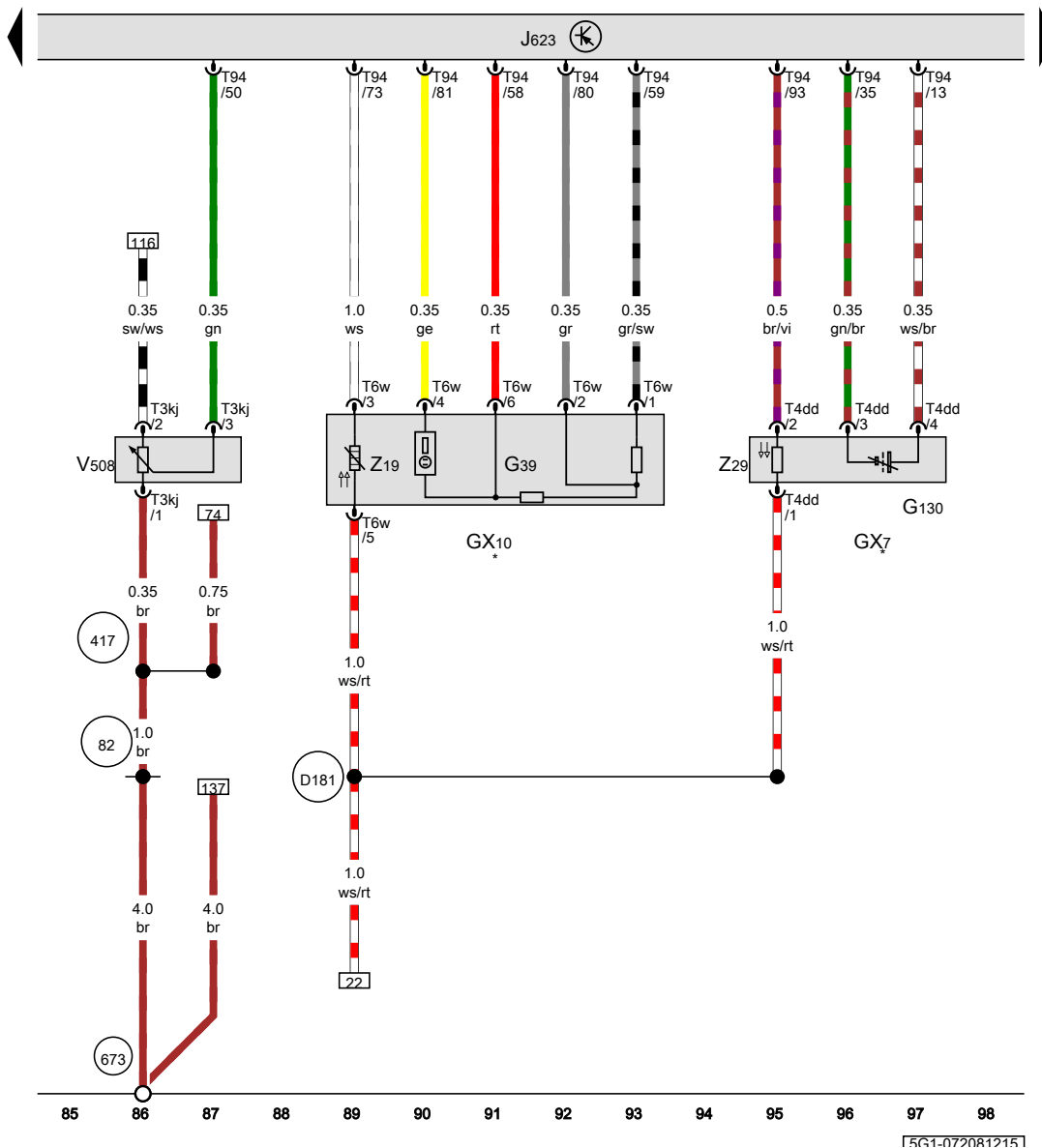
- * Pre-wired component
- *2 Up to May 2015
- *3 From May 2015



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15G1-072071215

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit, Coolant circulation pump before power and control electronics for electric drive



- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T3kj 3-pin connector
- T4dd 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- V508 Coolant circulation pump before power and control electronics for electric drive
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

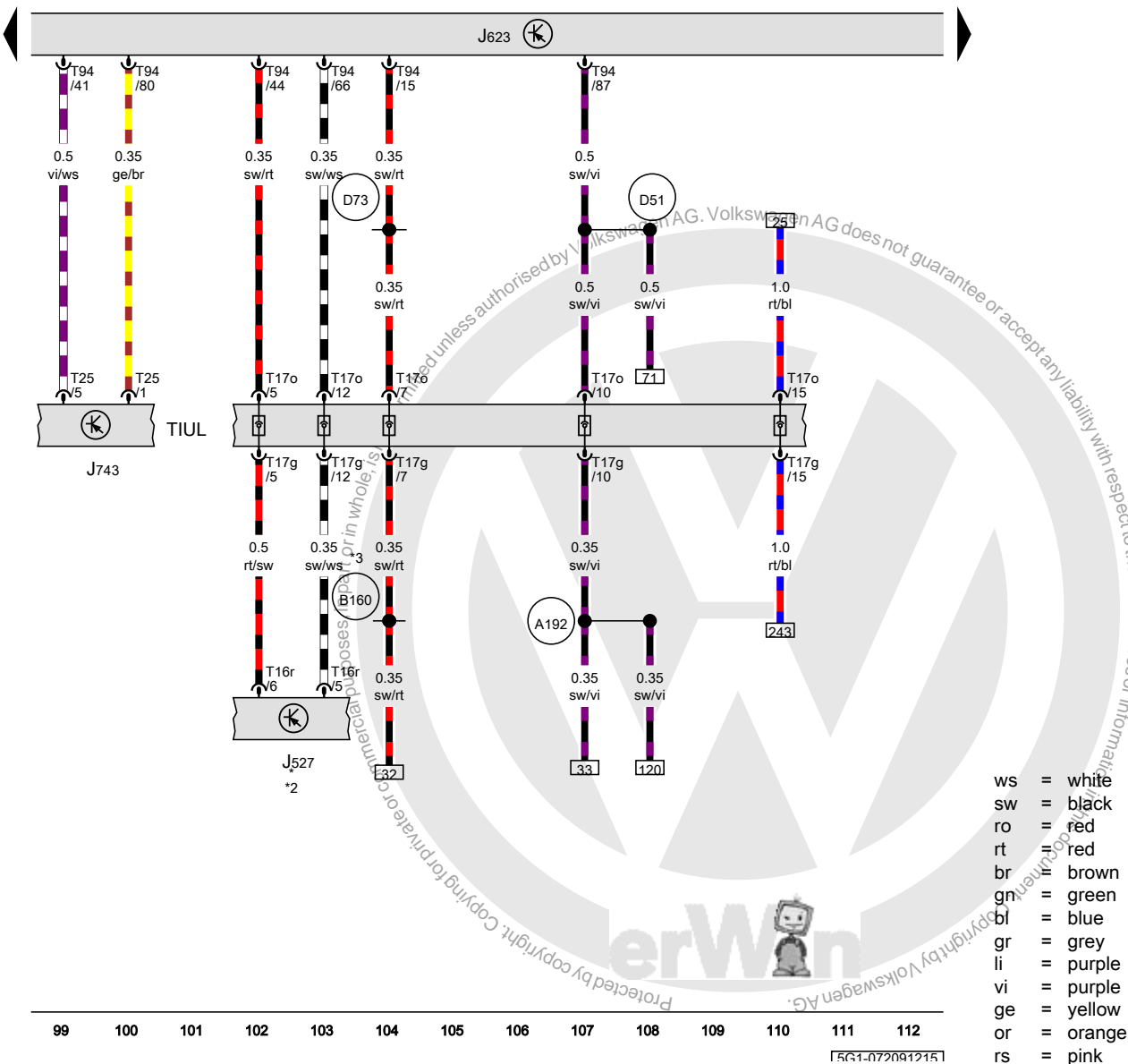
- 82 Earth connection 1, in front left wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component

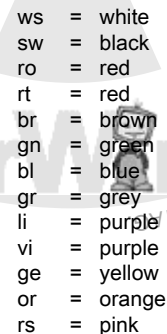
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Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 Only models with no heated steering wheel
- *3 Only models with cruise control system (CCS)

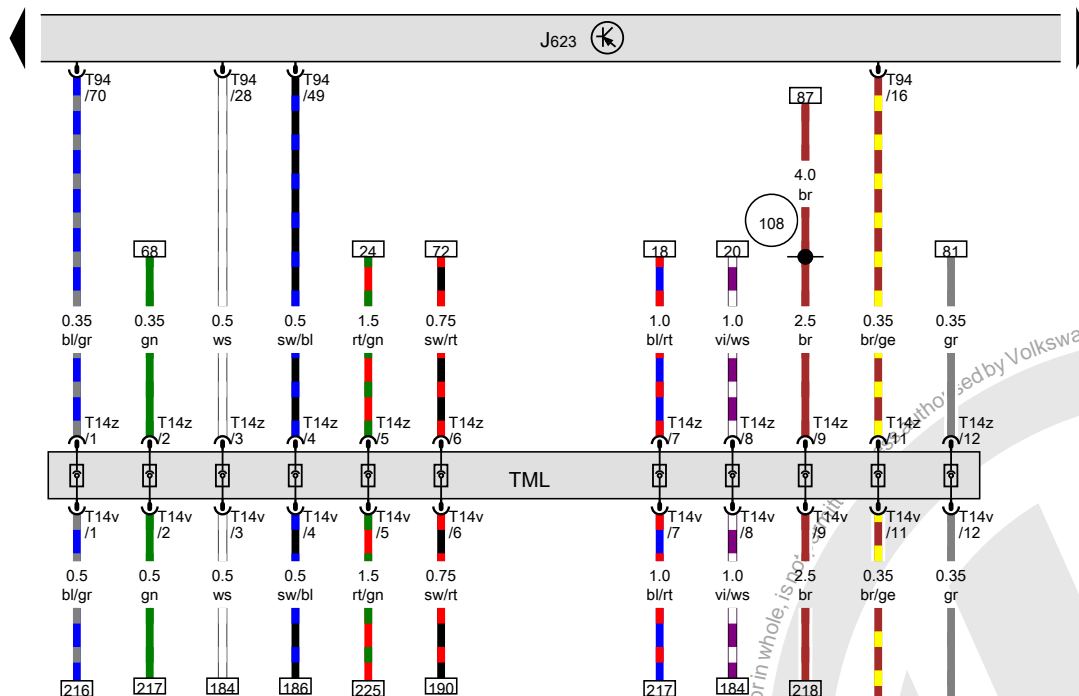




JX1	Power and control electronics for electric drive
J533	Data bus diagnostic interface
J623	Engine control unit
N288	Fuel tank shut-off valve
T2kk	2-pin connector
T4cv	4-pin connector, black
T4cw	4-pin connector, black
T17e	17-pin connector, brown
T17f	17-pin connector
T17m	17-pin connector, brown
T17n	17-pin connector
T20	20-pin connector
T28b	28-pin connector
T94	94-pin connector
THRM	Coupling point in luggage compartment, centre
TIUL	Coupling point in interior, below left
A227	Connection 2 (LIN bus) in dash panel wiring harness
B352	Positive connection 3 (87a) in main wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B384	Connection 2 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
B391	Connection 2 (powertrain CAN bus, low), in main wiring harness
X4	Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
X5	Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness

Coolant temperature sender for heater, Engine control unit

- G241 Coolant temperature sender for heater
- J623 Engine control unit
- T2kl 2-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- 108 Earth connection 2, in front left wiring harness

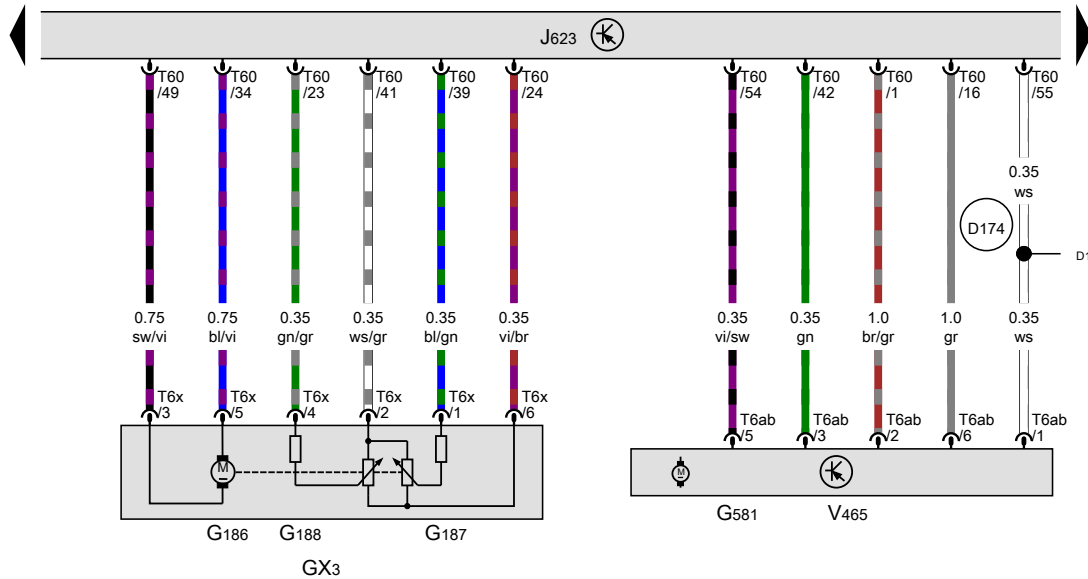


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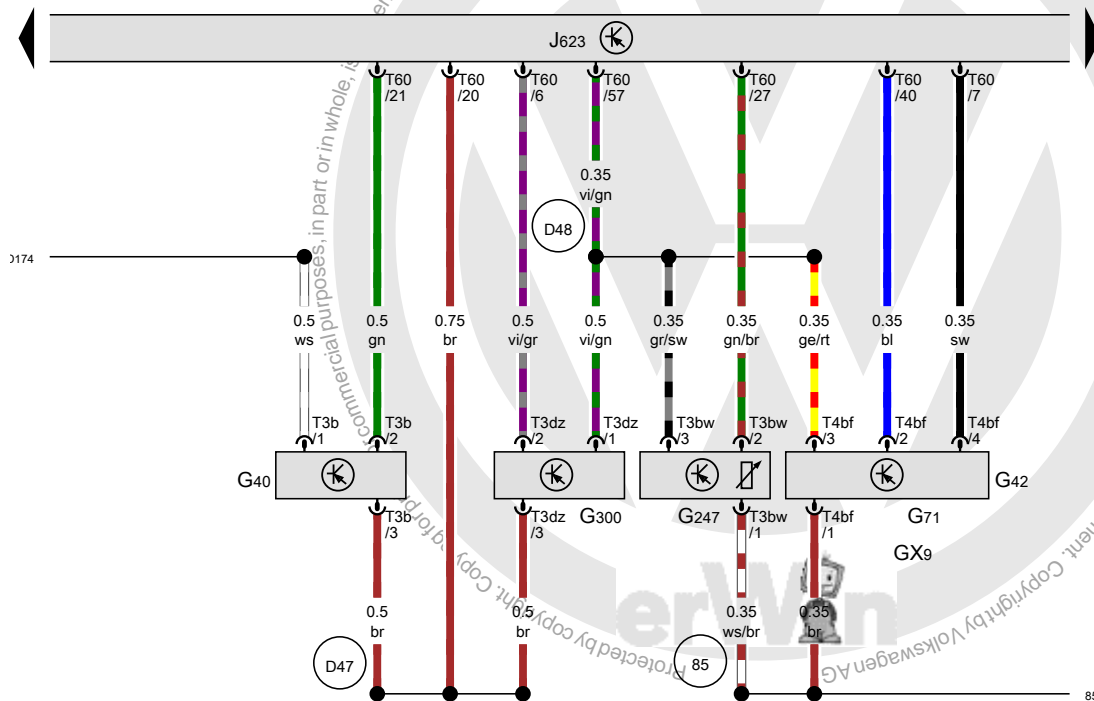
Throttle valve module, Engine control unit, Charge pressure positioner

- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T6ab 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

D174 Connection 2 (5V) in engine prewiring harness



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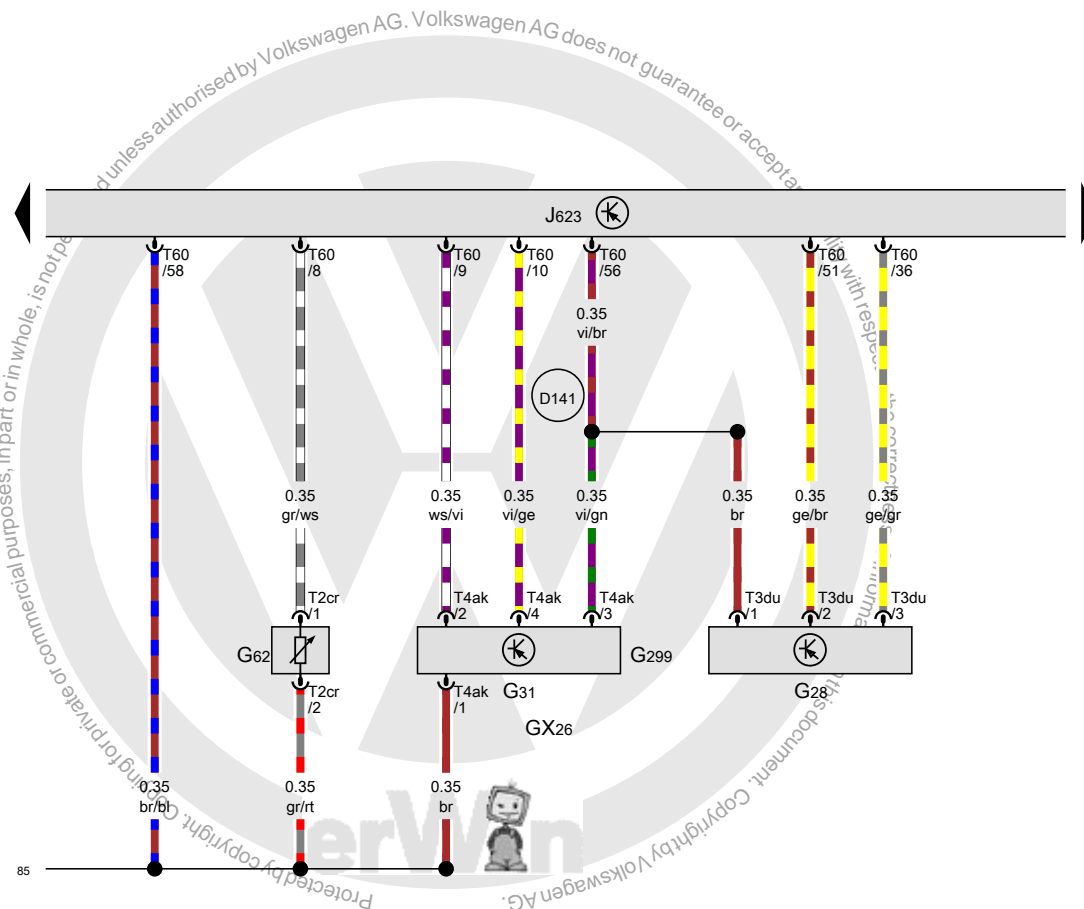


Intake manifold sender, Hall sender, Fuel pressure sender, Hall sender 3, Engine control unit

- GX9 Intake manifold sender
- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G300 Hall sender 3
- J623 Engine control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3dz 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- D47 Connection 9, in engine prewiring harness
- D48 Connection 10, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

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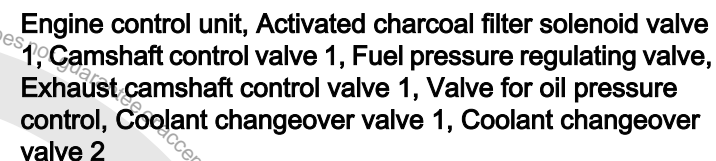


Charge pressure sender, Engine speed sender, Coolant temperature sender, Engine control unit

- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine control unit
- T2cr 2-pin connector
- T3du 3-pin connector
- T4ak 4-pin connector
- T60 60-pin connector

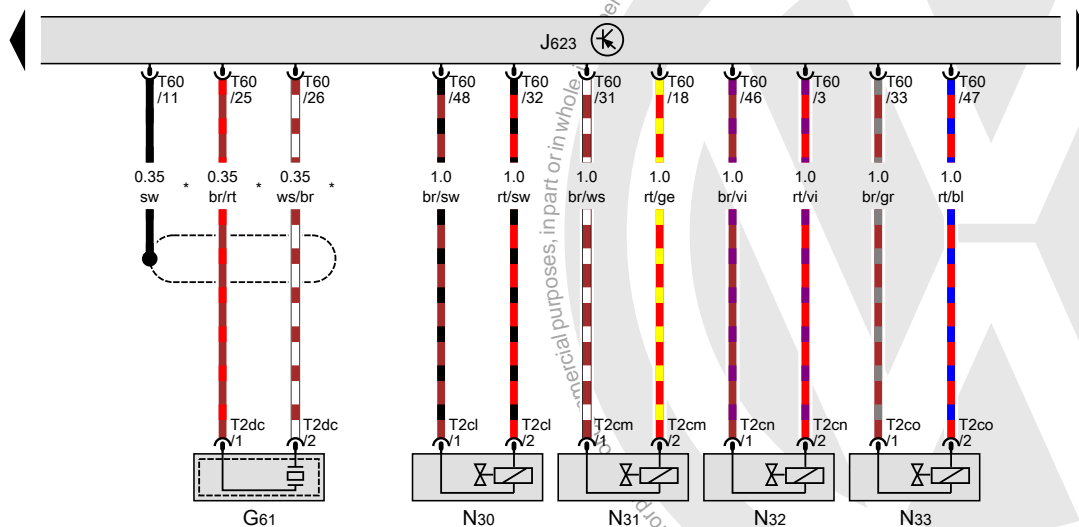
- 85 Earth connection 1, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

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- | | |
|------|--|
| J623 | Engine control unit |
| N80 | Activated charcoal filter solenoid valve 1 |
| N205 | Camshaft control valve 1 |
| N276 | Fuel pressure regulating valve |
| N318 | Exhaust camshaft control valve 1 |
| N428 | Valve for oil pressure control |
| N632 | Coolant changeover valve 1 |
| N633 | Coolant changeover valve 2 |
| T2cq | 2-pin connector |
| T2cy | 2-pin connector |
| T2cz | 2-pin connector |
| T2da | 2-pin connector |
| T2db | 2-pin connector |
| T2ds | 2-pin connector |
| T2ke | 2-pin connector |
| T60 | 60-pin connector |
| D41 | Connection 3, in engine prewiring harness |
| D42 | Connection 4, in engine prewiring harness |

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Knock sensor 1, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- G61 Knock sensor 1
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector
- * Different wiring routing possible

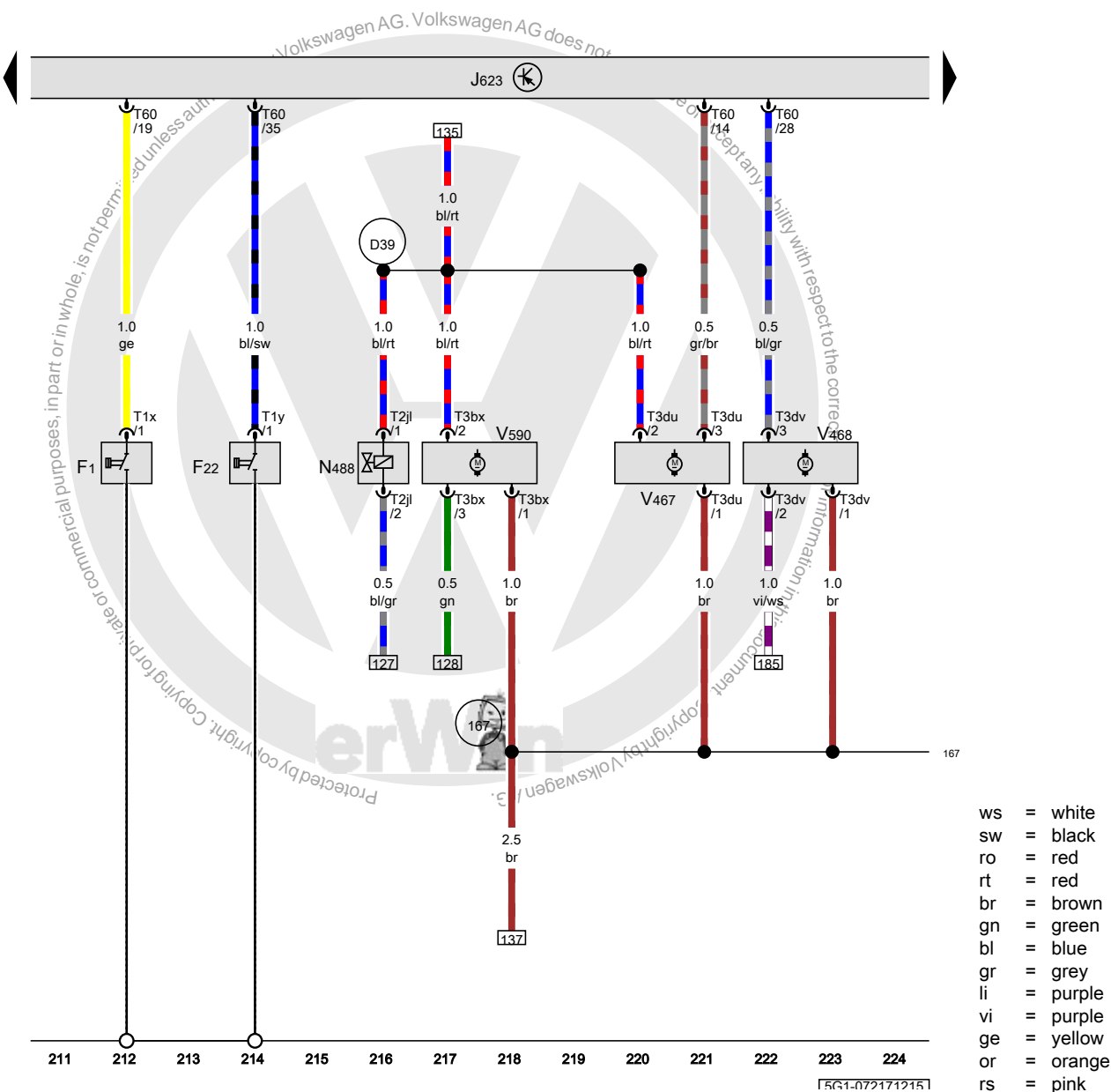
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Oil pressure switch, Oil pressure switch, Engine control unit, Coolant valve for gearbox, Coolant pump for high-temperature circuit, Coolant pump for low-temperature circuit, Coolant pump for high-voltage battery

- F1 Oil pressure switch
- F22 Oil pressure switch
- J623 Engine control unit
- N488 Coolant valve for gearbox
- T1x Single connector
- T1y Single connector
- T2jl 2-pin connector
- T3bx 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T60 60-pin connector
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery, near oil level and oil temperature sender

167 Earth connection 4, in engine compartment wiring harness

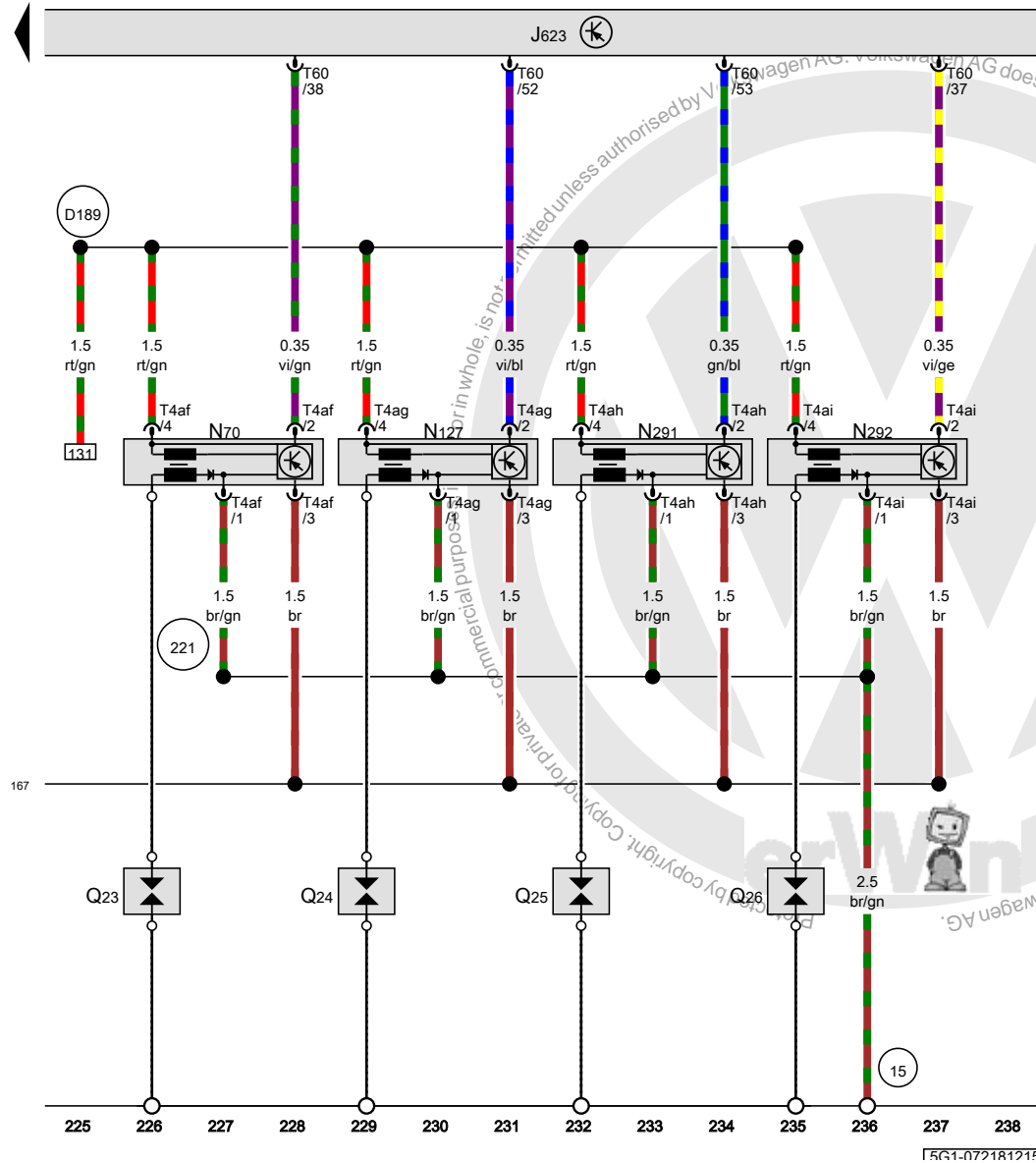
D39 Connection 1, in engine prewiring harness



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 167 Earth connection 4, in engine compartment wiring harness
- 221 Earth connection (engine earth), in engine wiring harness
- D189 Connection (87a) in engine prewiring harness



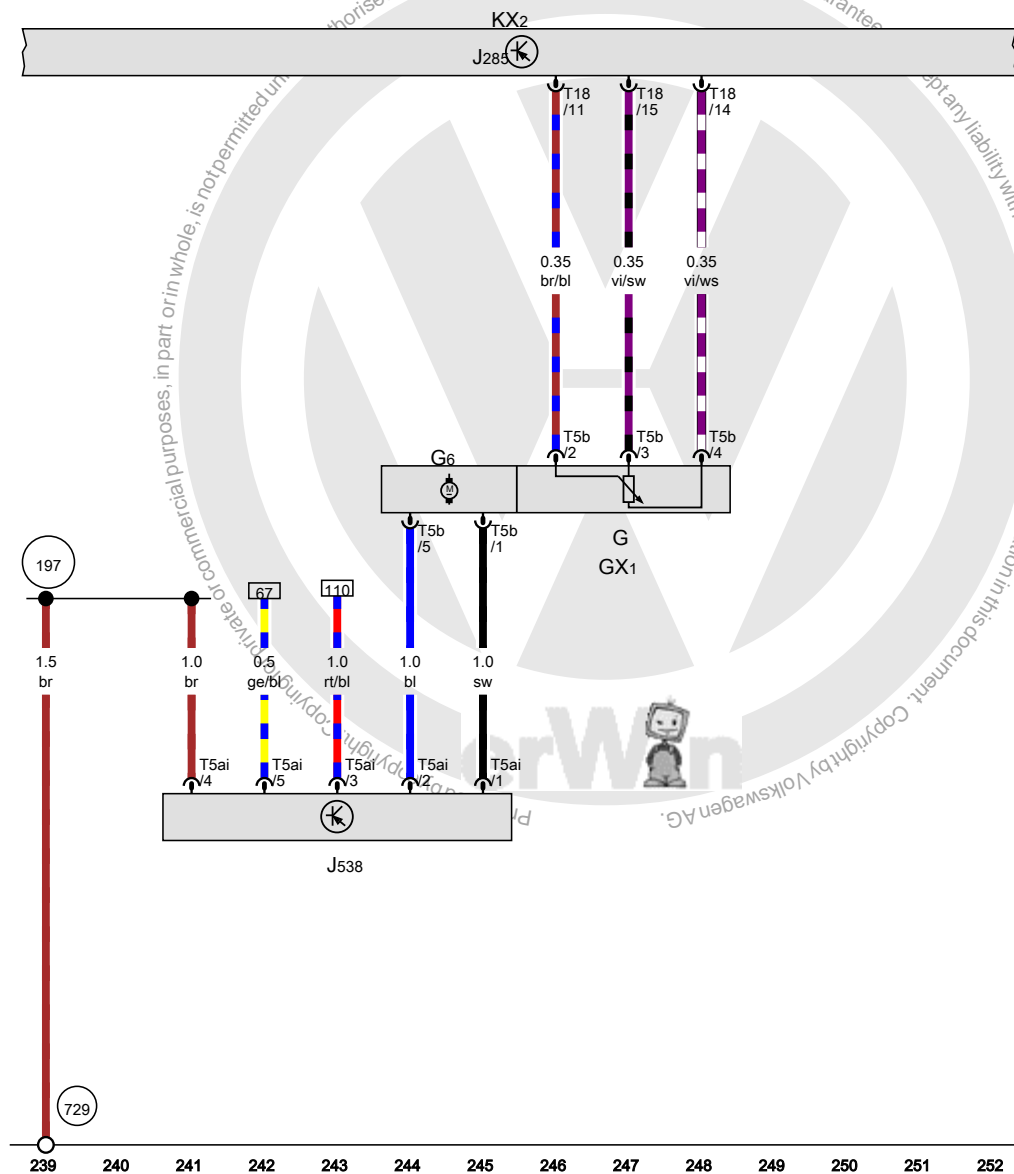
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

197 Earth connection 4, in rear wiring harness

729 Earth point, on left rear wheel housing



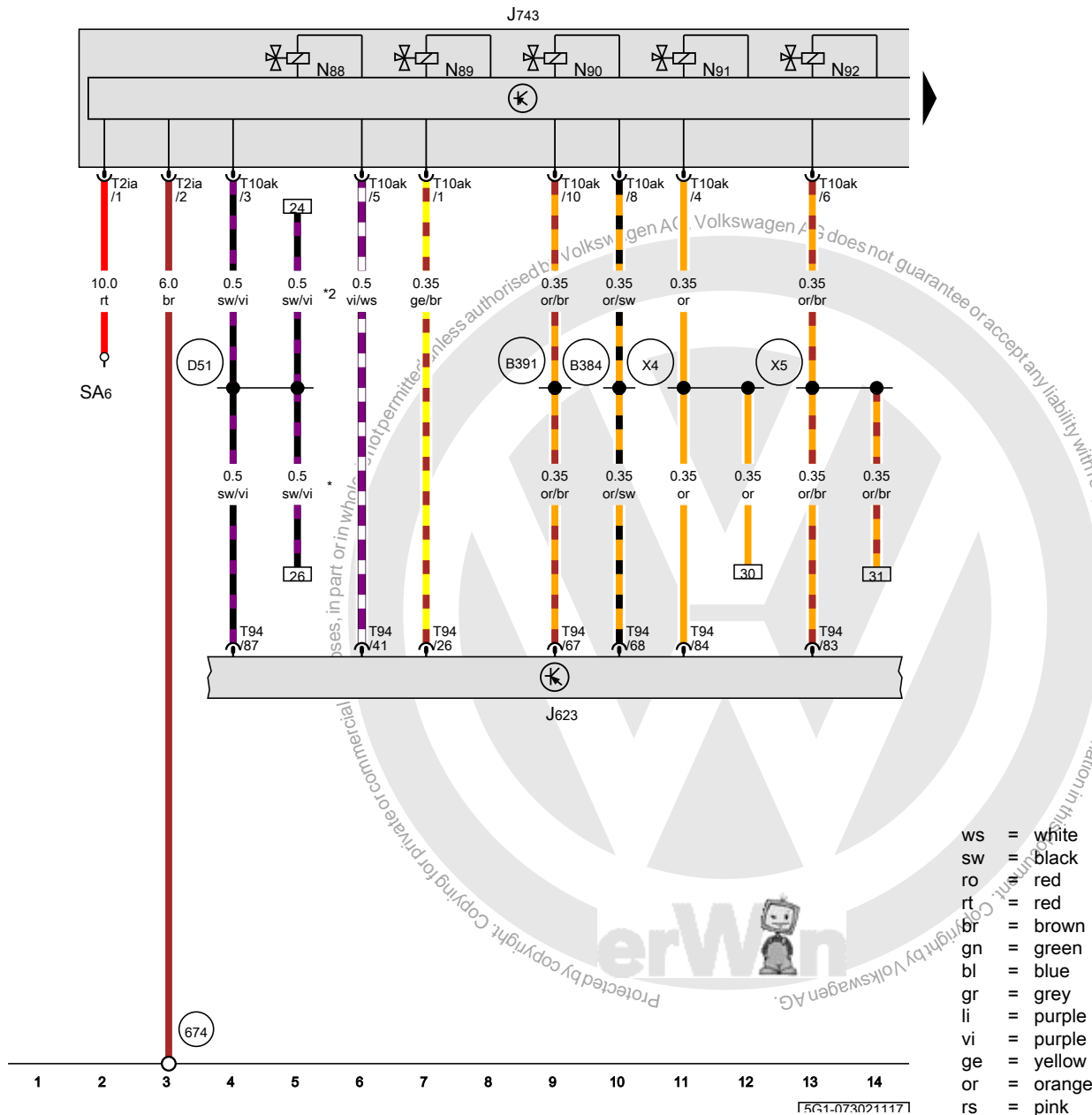
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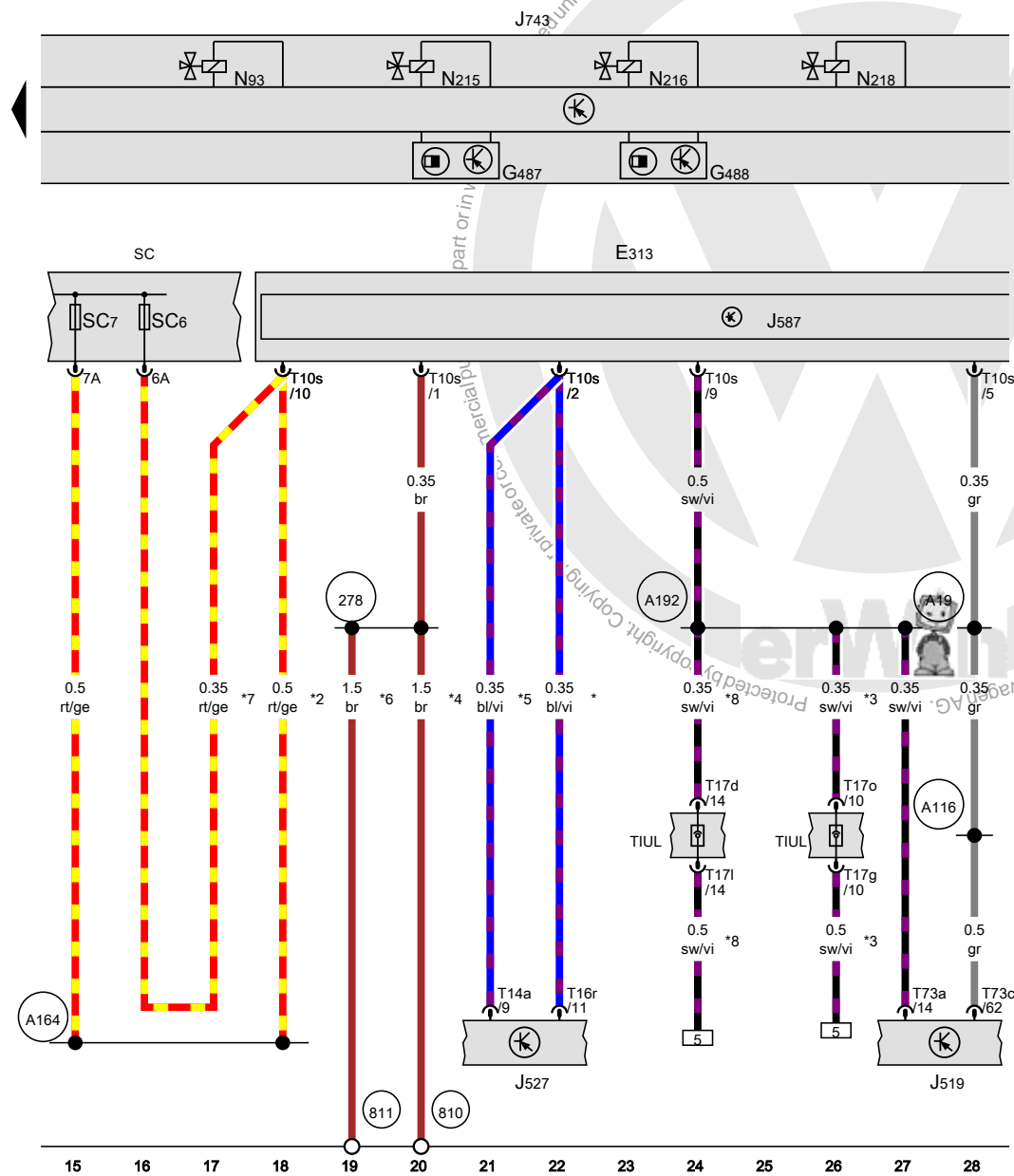
Dual clutch gearbox 0DD , CUKB

From July 2014



Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Solenoid valve 1, Solenoid valve 2, Solenoid valve 3, Solenoid valve 4, Solenoid valve 5





Selector lever, Gear selector movement sensor 1, Gear selector movement sensor 2, Steering column electronics control unit, Mechatronic unit for dual clutch gearbox, Solenoid valve 6, Automatic gearbox pressure regulating valve 1, Automatic gearbox pressure regulating valve 2, Automatic gearbox pressure regulating valve 4, Fuse holder C

- E313 Selector lever
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- N93 Solenoid valve 6
- N215 Automatic gearbox pressure regulating valve 1
- N216 Automatic gearbox pressure regulating valve 2
- N218 Automatic gearbox pressure regulating valve 4
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T10s 10-pin connector
- T14a 14-pin connector
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness

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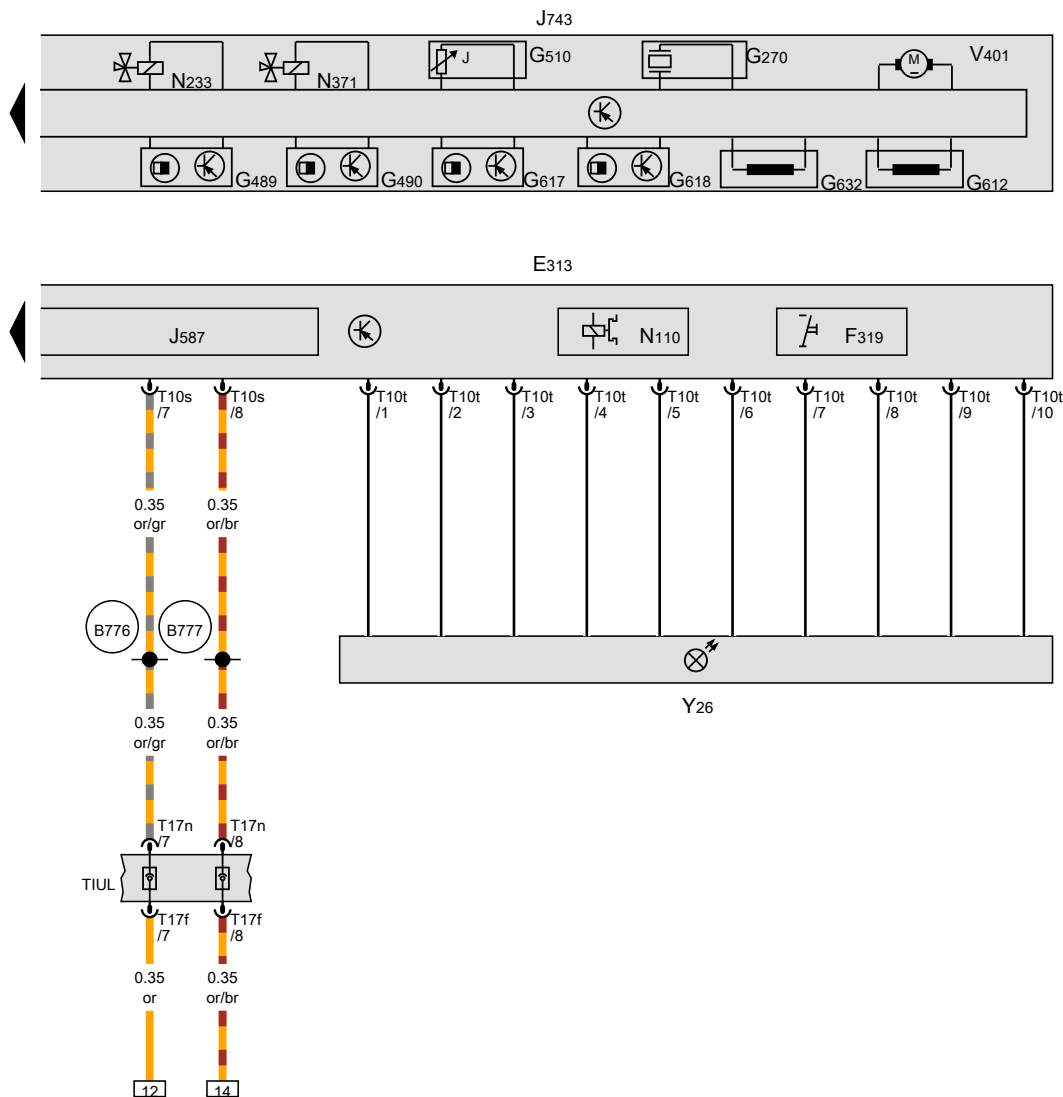
* For models with no heated steering wheel

*2 Up to November 2015

*3 Up to November 2017

*4 For left-hand drive models

*5 For models with heated steering wheel



Selector lever, Selector lever locked in position P switch, Gearbox hydraulic pressure sender, Gear selector movement sensor 3, Gear selector movement sensor 4, Temperature sender in control unit, Gearbox input speed sender 2, Clutch travel sender 1, Clutch travel sender 2, Gearbox input speed sender 1, Mechatronic unit for dual clutch gearbox, Selector lever lock solenoid, Automatic gearbox pressure regulating valve 5, Automatic gearbox pressure regulating valve 6, Hydraulic pump motor, Selector lever position display

- E313 Selector lever
- F319 Selector lever locked in position P switch
- G270 Gearbox hydraulic pressure sender
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G510 Temperature sender in control unit
- G612 Gearbox input speed sender 2
- G617 Clutch travel sender 1
- G618 Clutch travel sender 2
- G632 Gearbox input speed sender 1
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- N110 Selector lever lock solenoid
- N233 Automatic gearbox pressure regulating valve 5
- N371 Automatic gearbox pressure regulating valve 6
- T10s 10-pin connector
- T10t 10-pin connector
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- TIUL Coupling point in interior, below left
- V401 Hydraulic pump motor
- Y26 Selector lever position display

B776 Connection 1 (hybrid CAN bus, high) in main wiring harness

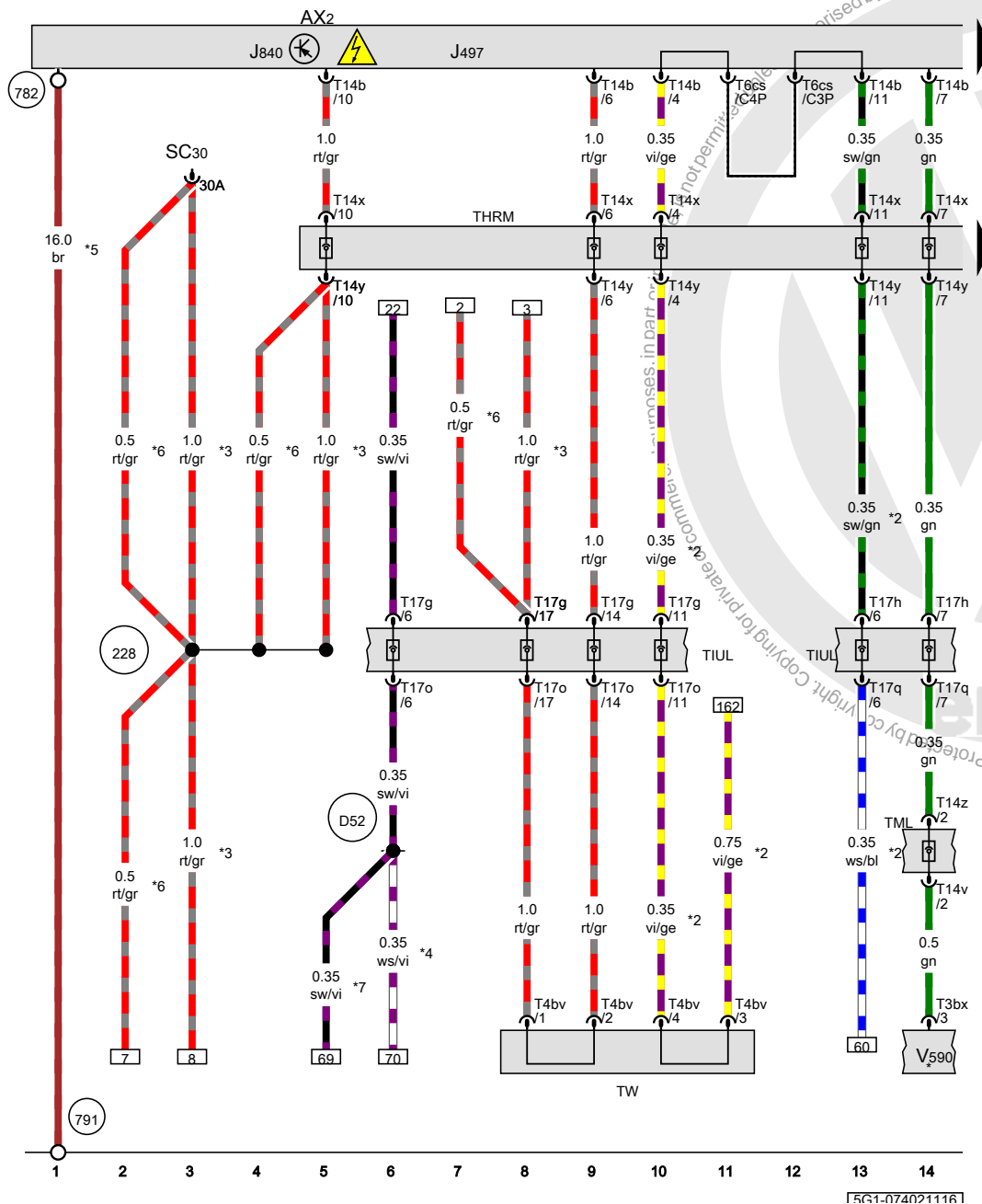
B777 Connection 1 (hybrid CAN bus, low) in main wiring harness

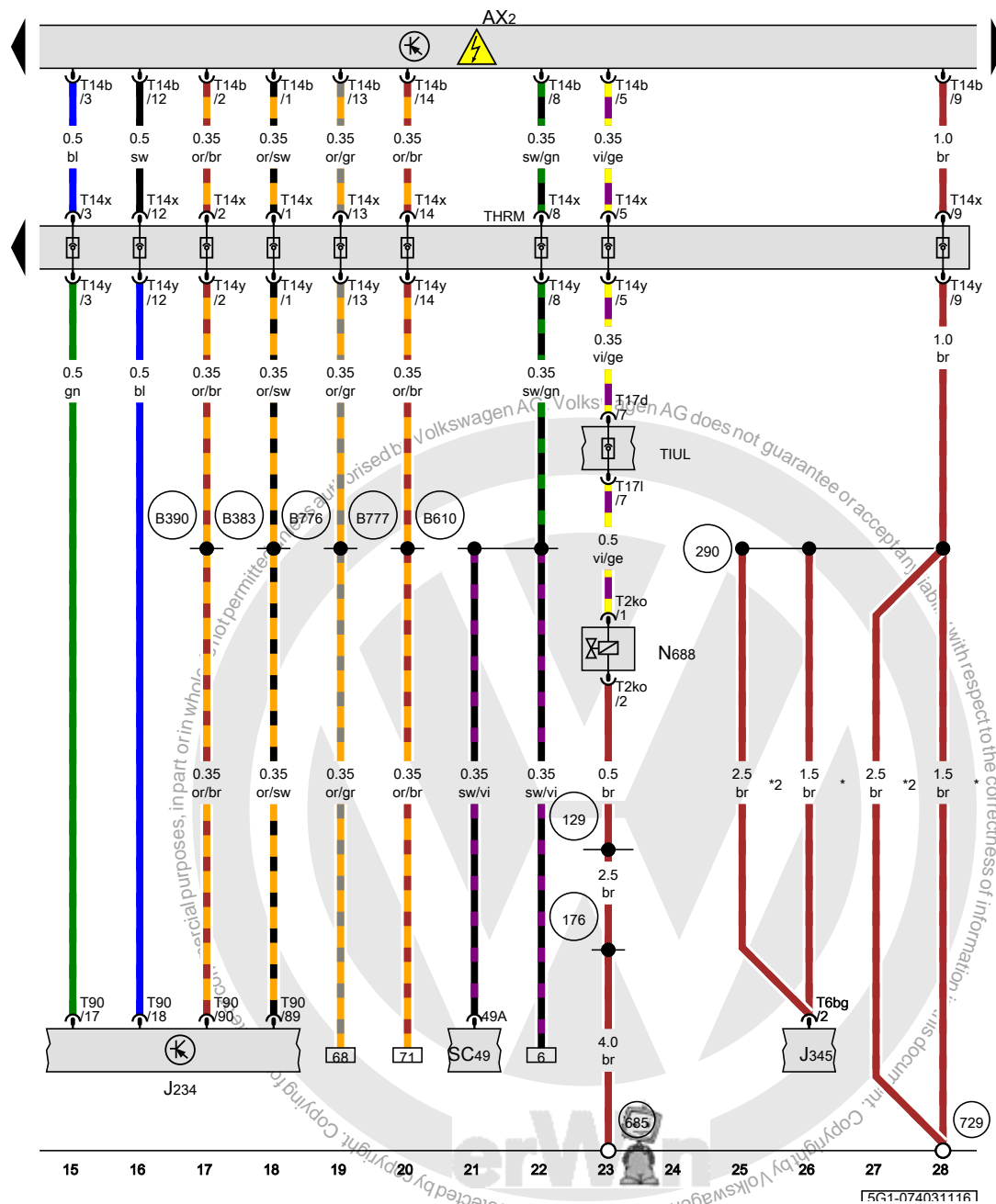
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High-voltage system , CUKB

From July 2014





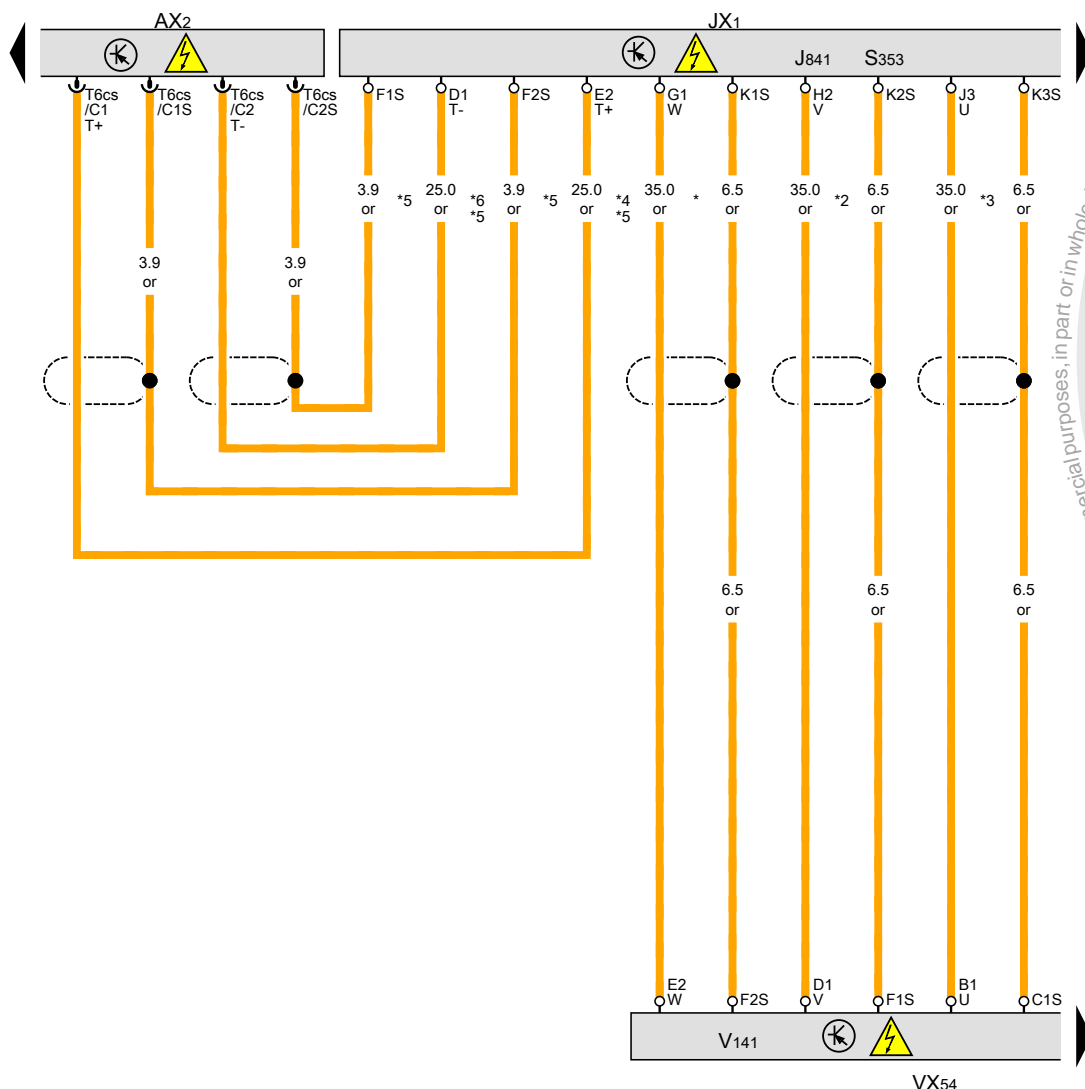


High-voltage battery 1, Coolant valve for high-voltage battery

- AX2 High-voltage battery 1
- J234 Airbag control unit
- J345 Trailer detector control unit
- N688 Coolant valve for high-voltage battery
- SC49 Fuse 49 on fuse holder C
- T2ko 2-pin connector
- T6bg 6-pin connector, black
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T90 90-pin connector
- THRM Coupling point in luggage compartment, centre
- TIUL Coupling point in interior, below left

- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 290 Earth connection 1, in second battery wiring harness
- 685 Earth point 1, on front of right longitudinal member
- 729 Earth point, on left rear wheel housing
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B610 Connection 6, in interior wiring harness
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
- * Up to May 2015
- *2 From May 2015

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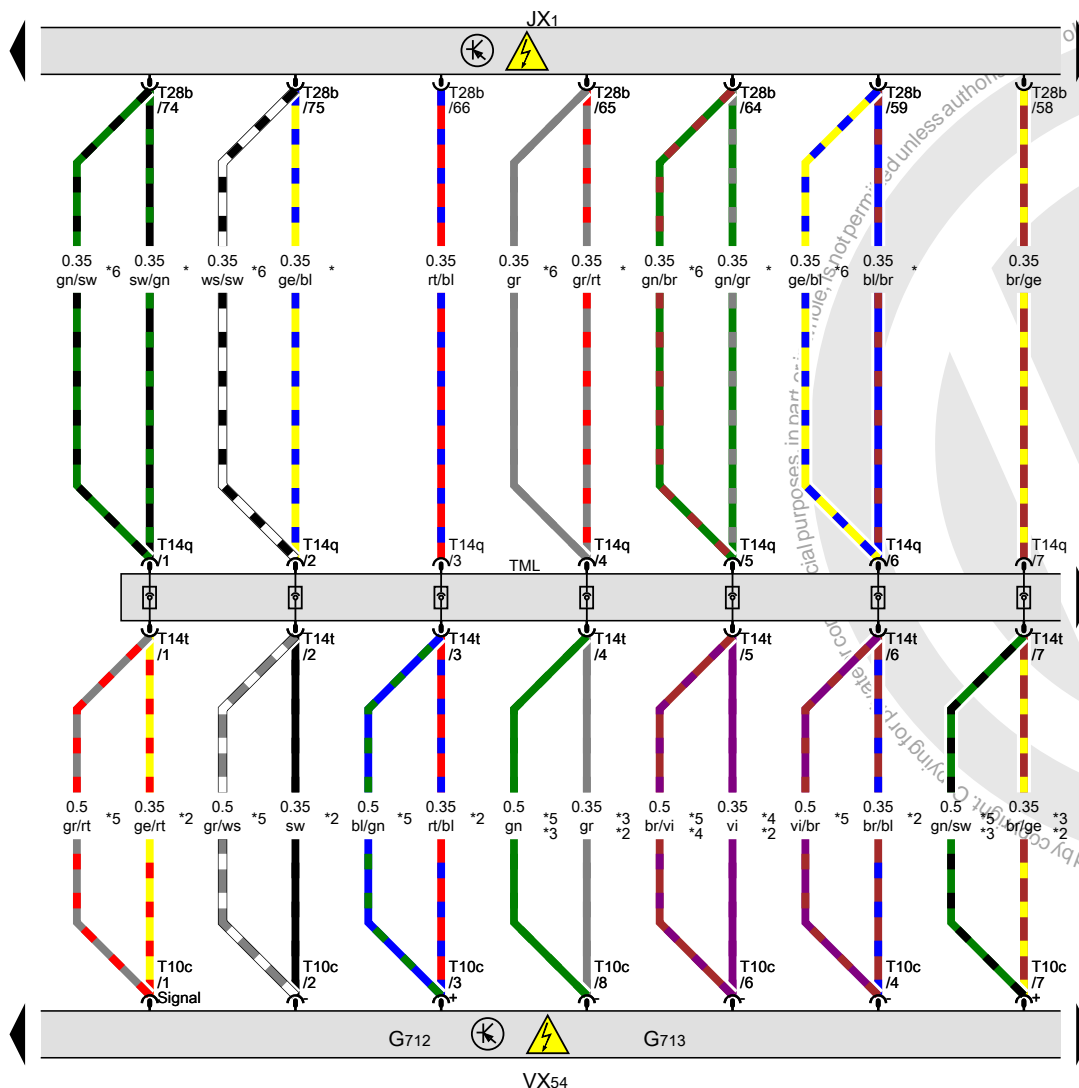
High-voltage battery 1, Power and control electronics for electric drive, Three-phase current drive, Electric drive motor

- AX2 High-voltage battery 1
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- S353 High-voltage system fuse 3
- T6cs 6-pin connector
- VX54 Three-phase current drive
- V141 Electric drive motor
- * High-voltage wire 1 for drive motor (P4)
- *2 High-voltage wire 2 for drive motor (P5)
- *3 High-voltage wire 3 for drive motor (P6)
- *4 High-voltage wire for hybrid battery, positive terminal (P1)
- *5 High-voltage wiring harness for high-voltage battery (PX1)
- *6 High-voltage wire for hybrid battery, negative terminal (P2)

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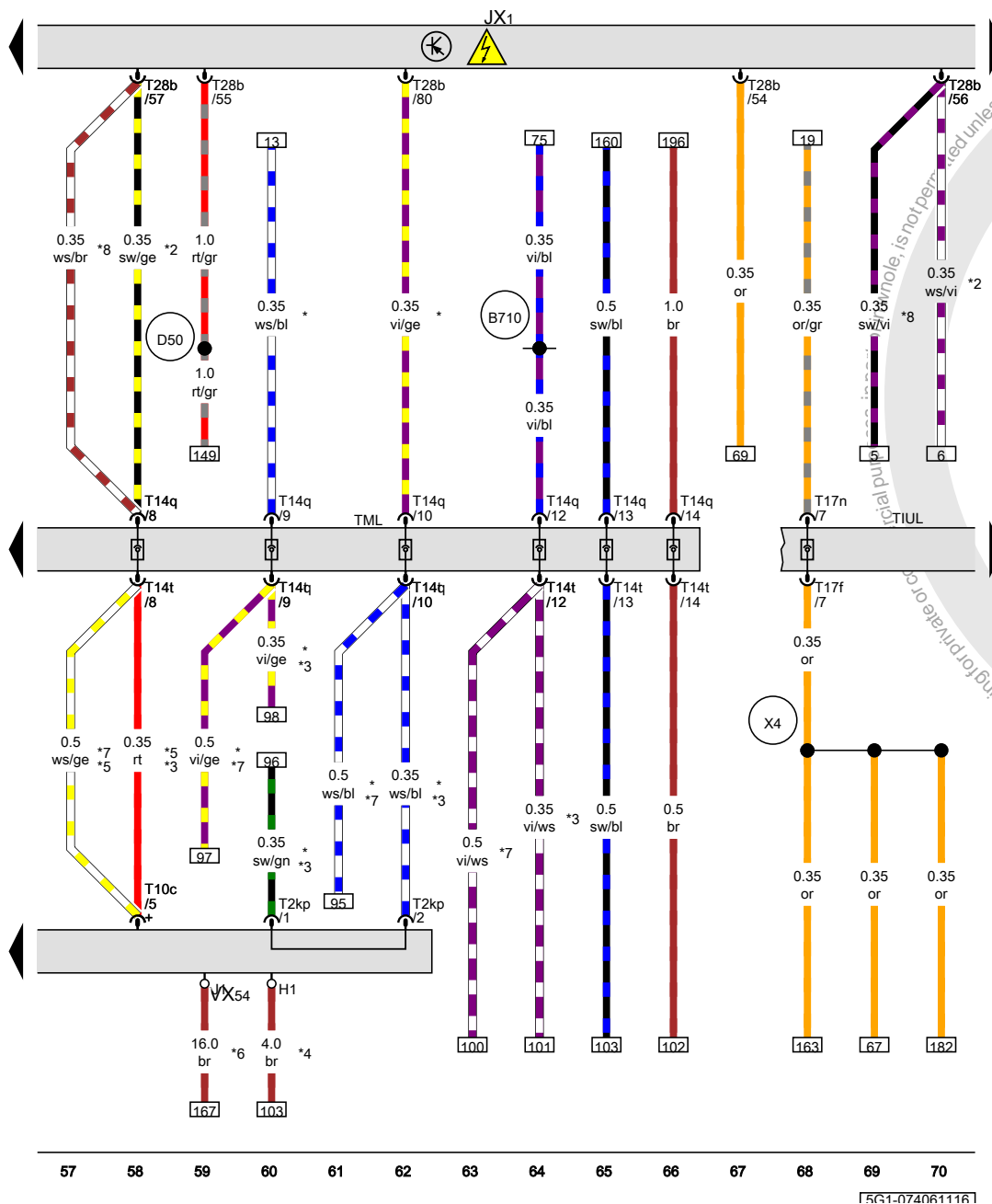
Drive motor temperature sender, Drive motor rotor position sender 1, Power and control electronics for electric drive, Three-phase current drive

- G712 Drive motor temperature sender
- G713 Drive motor rotor position sender 1
- JX1 Power and control electronics for electric drive
- T10c 10-pin connector
- T14q 14-pin connector, black
- T14t 14-pin connector, black
- T28b 28-pin connector
- TML Coupling point in engine compartment, left
- VX54 Three-phase current drive
- * Up to May 2015
- *2 Up to November 2015
- *3 Cosine wave signal
- *4 Sine wave signal
- *5 From November 2015
- *6 From May 2015



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Power and control electronics for electric drive, Three-phase current drive

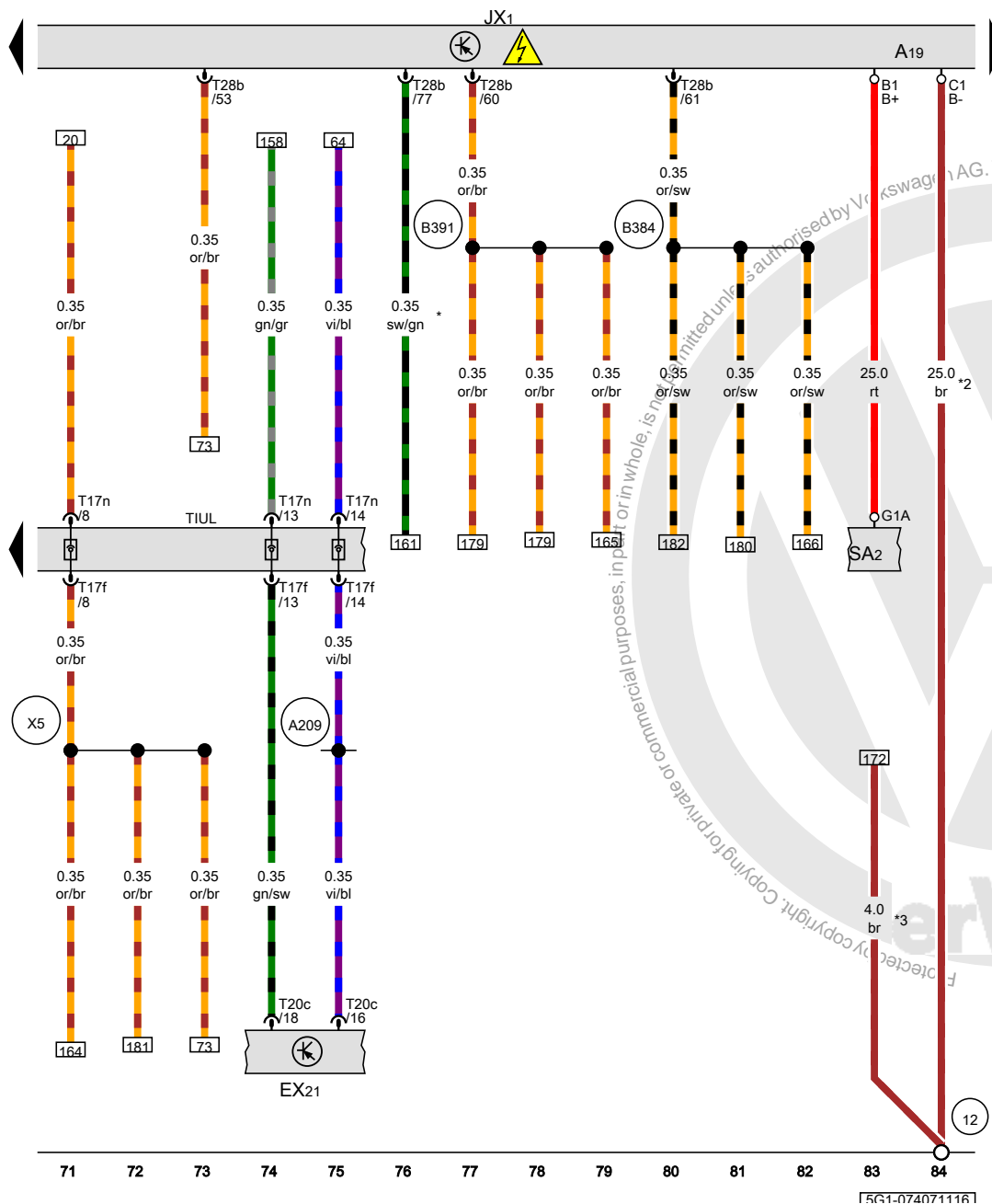


- JX1 Power and control electronics for electric drive
- T2kp 2-pin connector
- T10c 10-pin connector
- T14q 14-pin connector, black
- T14t 14-pin connector, black
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T28b 28-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- VX54 Three-phase current drive

- B710 Connection 5 (LIN bus) in main wiring harness
- D50 Positive connection (30), in engine compartment wiring harness
- X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
- * Pilot line
- *2 Up to May 2015
- *3 Up to November 2015
- *4 Potential equalisation line 2 for three-phase current drive (P72)
- *5 Sine wave signal
- *6 Potential equalisation line for three-phase current drive (P71)
- *7 From November 2015
- *8 From May 2015

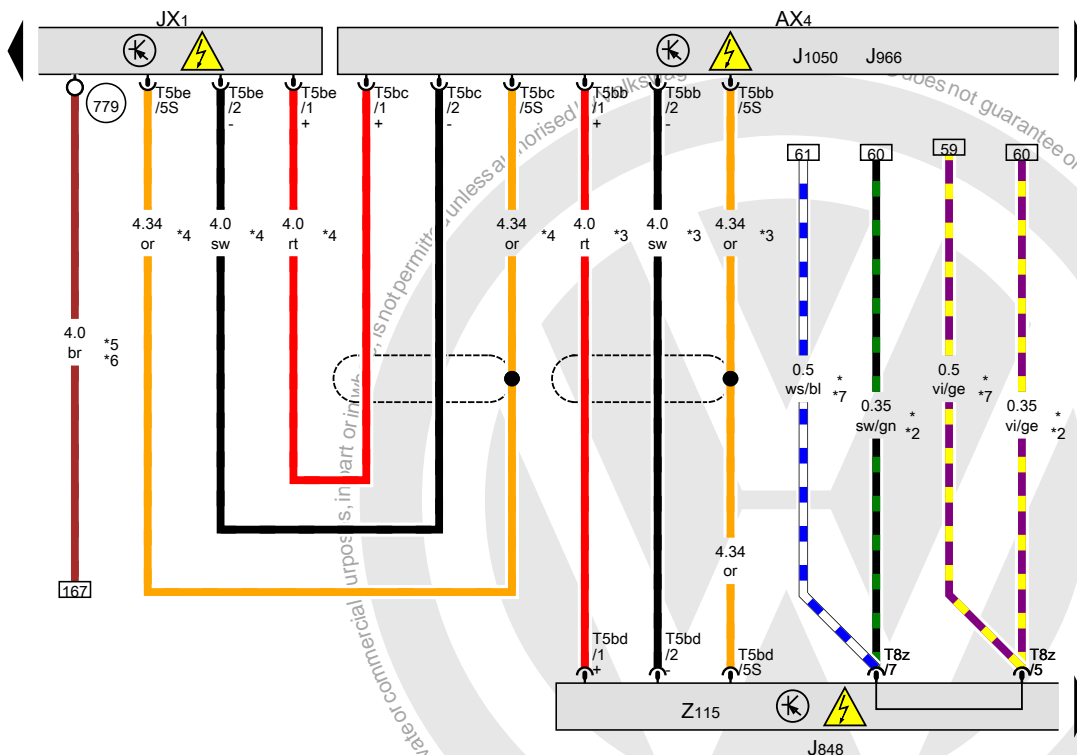
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Voltage converter, Heater and air conditioning controls, Power and control electronics for electric drive



- A19 Voltage converter
- EX21 Heater and air conditioning controls
- JX1 Power and control electronics for electric drive
- SA2 Fuse 2 on fuse holder A
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T20c 20-pin connector
- T28b 28-pin connector
- TIUL Coupling point in interior, below left
- 12 Earth point, on left in engine compartment
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness
- * Pilot line
- *2 Potential equalisation line 2 for power and control electronics for electric drive (P66)
- *3 Only left-hand drive models

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Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, High-voltage heater (PTC) control unit

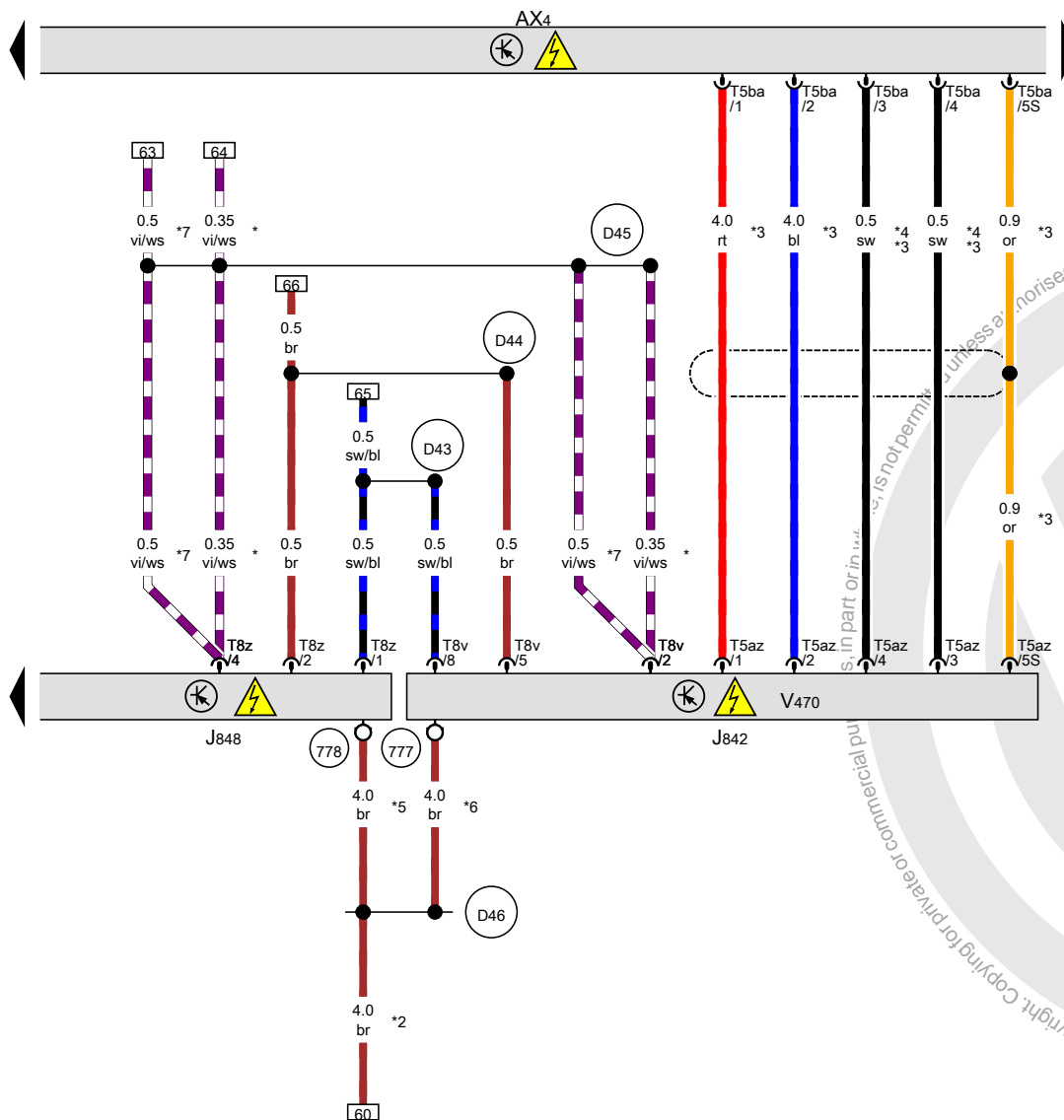
- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J848 High-voltage heater (PTC) control unit
- J966 Charge voltage control unit for high-voltage battery
- J1050 Control unit for high-voltage battery charging unit
- T5bb 5-pin connector
- T5bc 5-pin connector
- T5bd 5-pin connector
- T5be 5-pin connector
- T8z 8-pin connector
- Z115 High-voltage heater (PTC)

779 Earth point 1 for power and control electronics for electric drive

- * Pilot line
- *2 Up to November 2015
- *3 High-voltage wire for high-voltage heater (PTC) (P11)
- *4 High-voltage wire for charging unit 1/wiring junction (P12)
- *5 Potential equalisation line for power and control electronics for electric drive (P65)
- *6 See Workshop Manual
- *7 From November 2015

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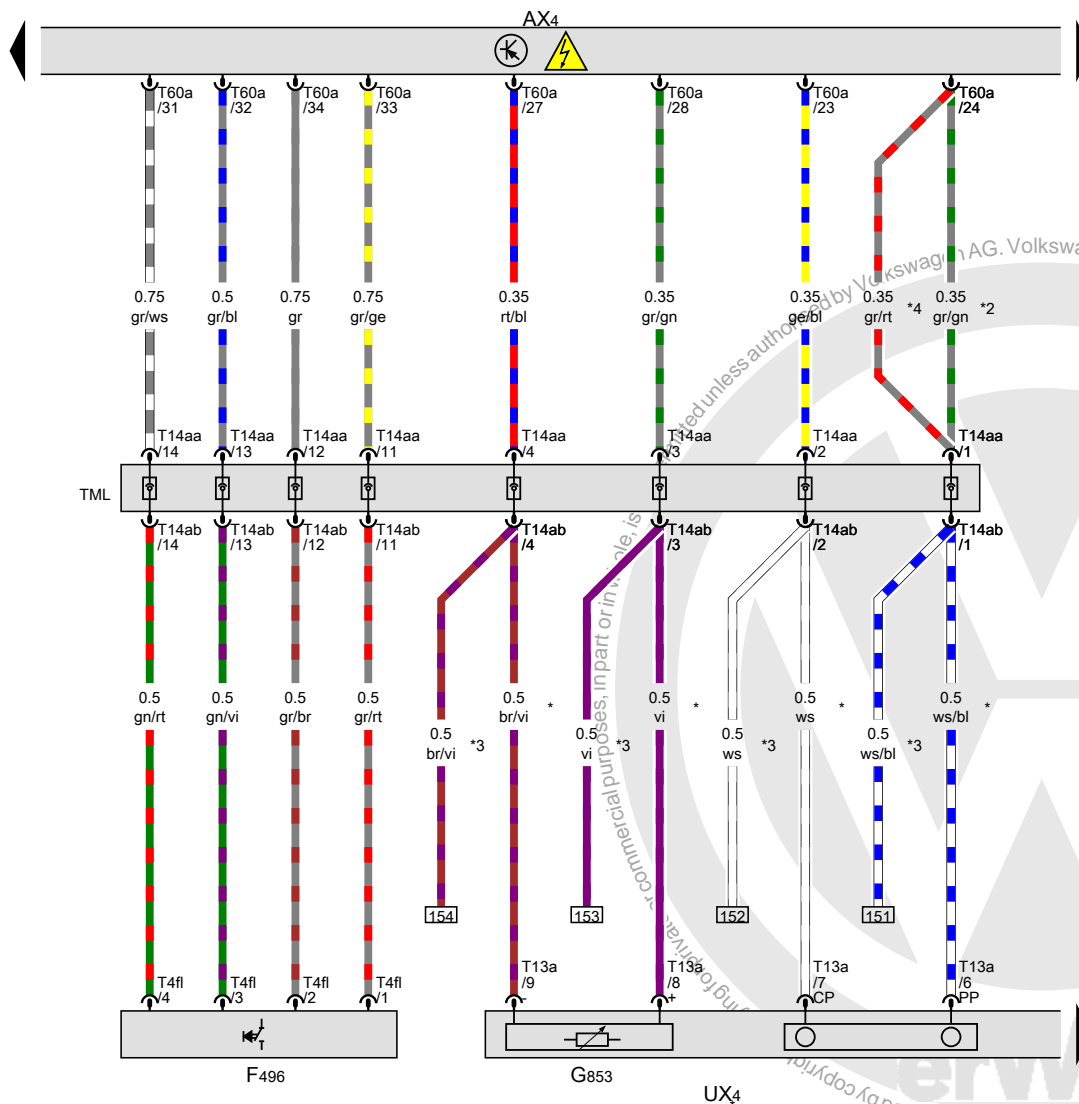
Charging unit 1 for high-voltage battery, Control unit for air conditioning compressor, High-voltage heater (PTC) control unit



- AX4 Charging unit 1 for high-voltage battery
- J842 Control unit for air conditioning compressor
- J848 High-voltage heater (PTC) control unit
- T5az 5-pin connector
- T5ba 5-pin connector
- T8v 8-pin connector
- T8z 8-pin connector
- V470 Electrical air conditioner compressor
- 777 Earth point for air conditioner compressor
- 778 Earth point for high-voltage heater (PTC)
- D43 Connection 5, in engine prewiring harness
- D44 Connection 6, in engine prewiring harness
- D45 Connection 7, in engine prewiring harness
- D46 Connection 8, in engine prewiring harness
- * Up to November 2015
- *2 Potential equalisation line 2 for three-phase current drive (P72)
- *3 High-voltage wire for electrical air conditioner compressor (P3)
- *4 Pilot line
- *5 Potential equalisation line for high-voltage heater (PTC) (P84)
- *6 Potential equalisation line for control unit for air conditioning compressor (P82)
- *7 From November 2015

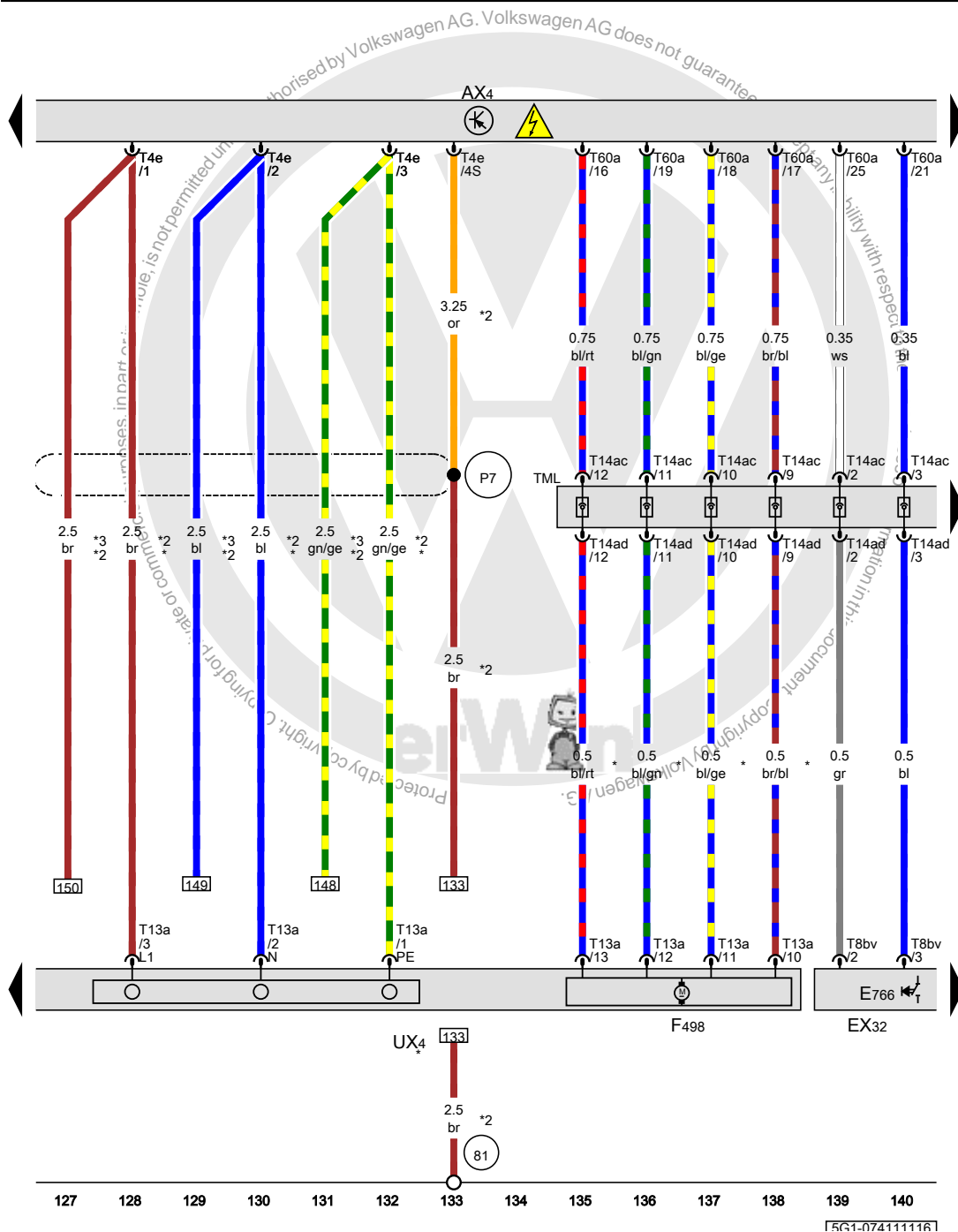
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Charging unit 1 for high-voltage battery, Actuator for high-voltage charging flap lock 1, Temperature sender for charging socket 1, High-voltage battery charging socket 1



- AX4 Charging unit 1 for high-voltage battery
- F496 Actuator for high-voltage charging flap lock 1
- G853 Temperature sender for charging socket 1
- T4fl 4-pin connector
- T13a 13-pin connector
- T14aa 14-pin connector, grey
- T14ab 14-pin connector, grey
- T60a 60-pin connector
- TML Coupling point in engine compartment, left
- UX4 High-voltage battery charging socket 1
- * Only models with no equipment for Japan
- *2 Up to November 2015
- *3 Only models with equipment for Japan
- *4 From November 2015

- ws = white
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Charging unit 1 for high-voltage battery, Module for battery charge selector buttons, Immediate charge button, Actuator for high-voltage charging socket lock 1, High-voltage battery charging socket 1

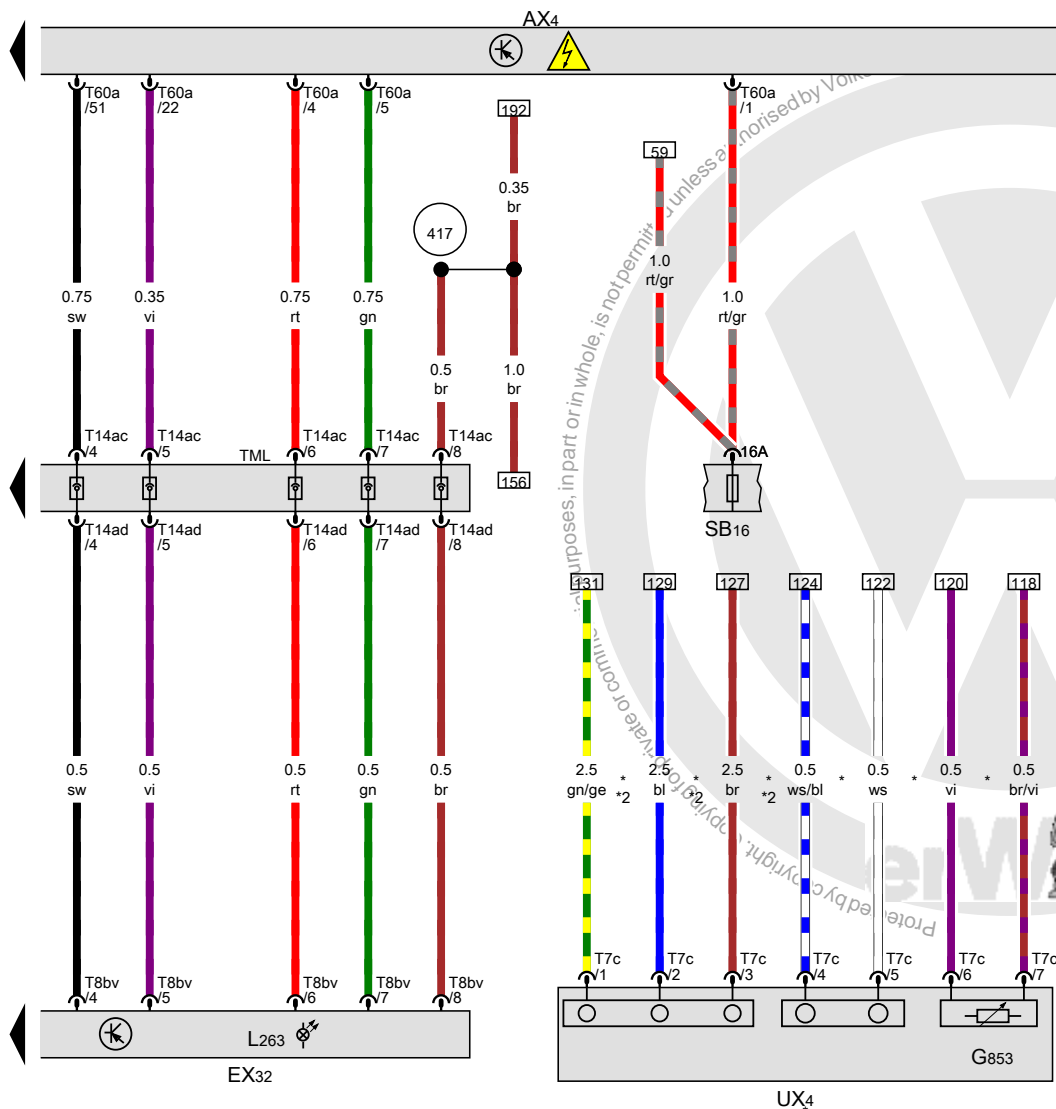
- AX4 Charging unit 1 for high-voltage battery
- EX32 Module for battery charge selector buttons
- E766 Immediate charge button
- F498 Actuator for high-voltage charging socket lock 1
- T4e 4-pin connector
- T8bv 8-pin connector
- T13a 13-pin connector
- T14ac 14-pin connector, black
- T14ad 14-pin connector, black
- T60a 60-pin connector
- TML Coupling point in engine compartment, left
- UX4 High-voltage battery charging socket 1

81 Earth point in centre of engine compartment, near front bumper

P7 Connection 1, in high-voltage battery wiring harness

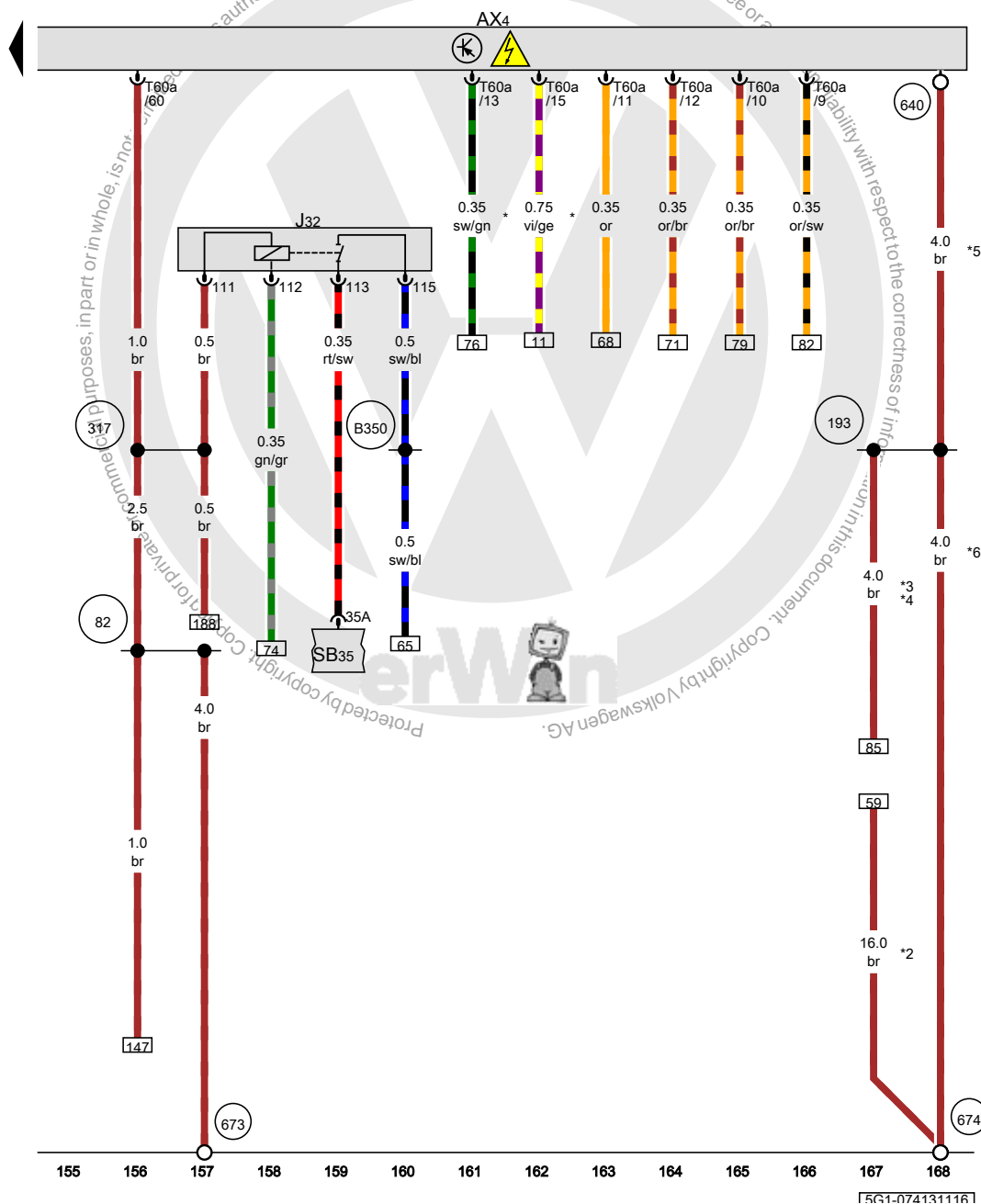
- * Only models with no equipment for Japan
- *2 High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)
- *3 Only models with equipment for Japan

Charging unit 1 for high-voltage battery, Module for battery charge selector buttons, Temperature sender for charging socket 1, LED module for charging socket 1, High-voltage battery charging socket 1



- AX4 Charging unit 1 for high-voltage battery
- EX32 Module for battery charge selector buttons
- G853 Temperature sender for charging socket 1
- L263 LED module for charging socket 1
- SB16 Fuse 16 on fuse holder B
- T7c 7-pin connector, black
- T8bv 8-pin connector
- T14ac 14-pin connector, black
- T14ad 14-pin connector, black
- T60a 60-pin connector
- TML Coupling point in engine compartment, left
- UX4 High-voltage battery charging socket 1
- 417 Earth connection 9, in engine compartment wiring harness
- * Only models with equipment for Japan
- *2 High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)

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- vi = purple
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- or = orange
- rs = pink



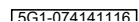
Charging unit 1 for high-voltage battery, Air conditioning system relay

- AX4 Charging unit 1 for high-voltage battery
- J32 Air conditioning system relay, in E-box in engine compartment
- SB35 Fuse 35 on fuse holder B
- T60a 60-pin connector

- 82 Earth connection 1, in front left wiring harness
- 193 Earth connection 1, in coolant fan wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- 673 Earth point 3, on front of left longitudinal member
- 674 Earth point 4, on front of left longitudinal member, under left longitudinal member
- B350 Positive connection 1 (87a) in main wiring harness

- * Pilot line
- *2 Potential equalisation line for three-phase current drive (P71)
- *3 Potential equalisation line for power and control electronics for electric drive (P65)
- *4 See Workshop Manual
- *5 Potential equalisation line for charging unit 1 for high-voltage battery (P68)
- *6 Potential equalisation line (P77)

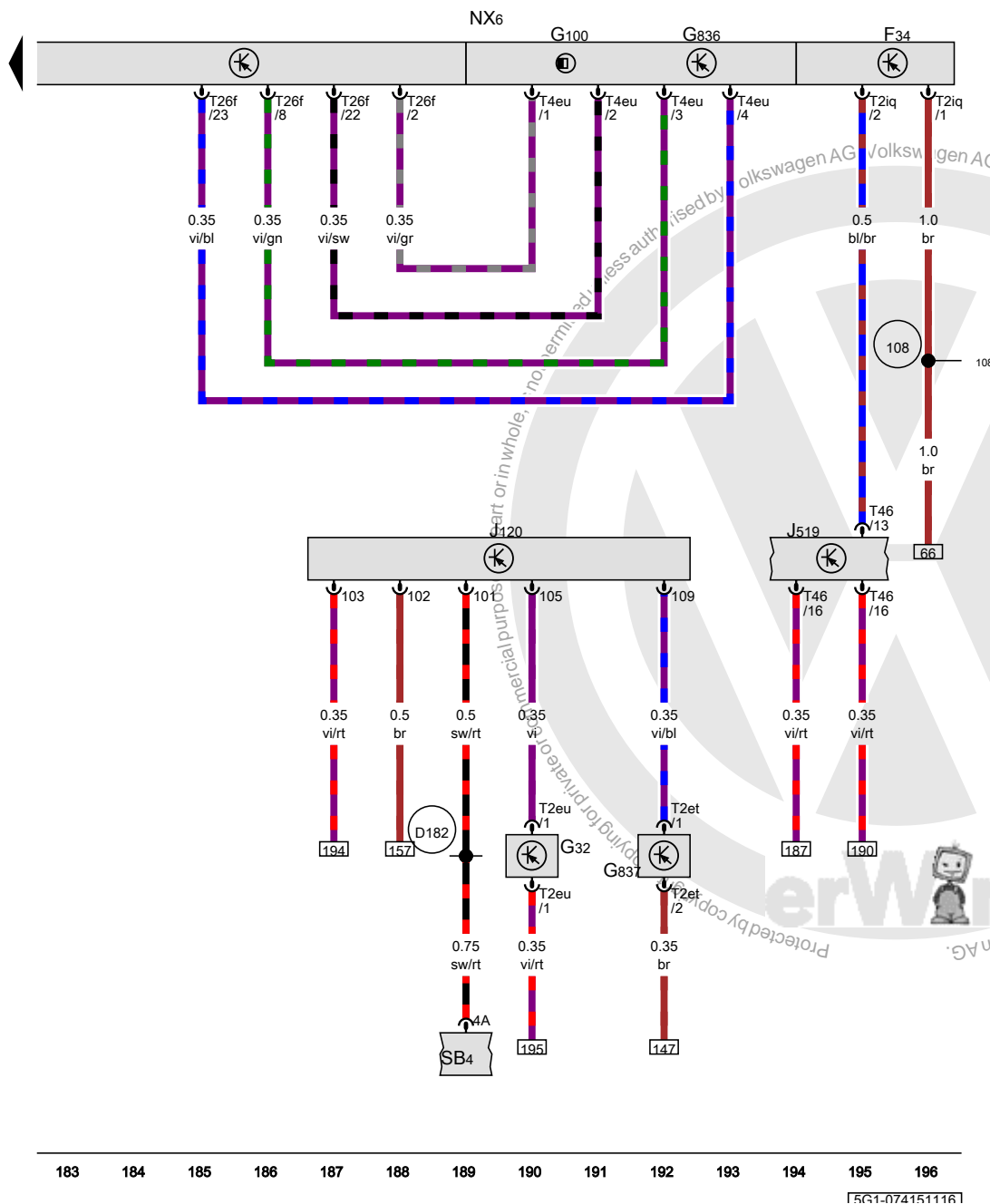
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J539	Brake servo control unit
J623	Engine control unit
NX6	Brake servo
SB24	Fuse 24 on fuse holder
SB34	Fuse 34 on fuse holder
T26f	26-pin connector
T94	94-pin connector

- | | |
|--------|--|
| 363 | Earth connection 8, in engine compartment wiring harness |
| 656 | Earth point, on right headlight |
| D51 | Positive connection 1 (15), in engine compartment wiring harness |
| D73 | Positive connection (54), in engine compartment wiring harness |
| *
2 | Only right-hand drive models
Only left-hand drive models |

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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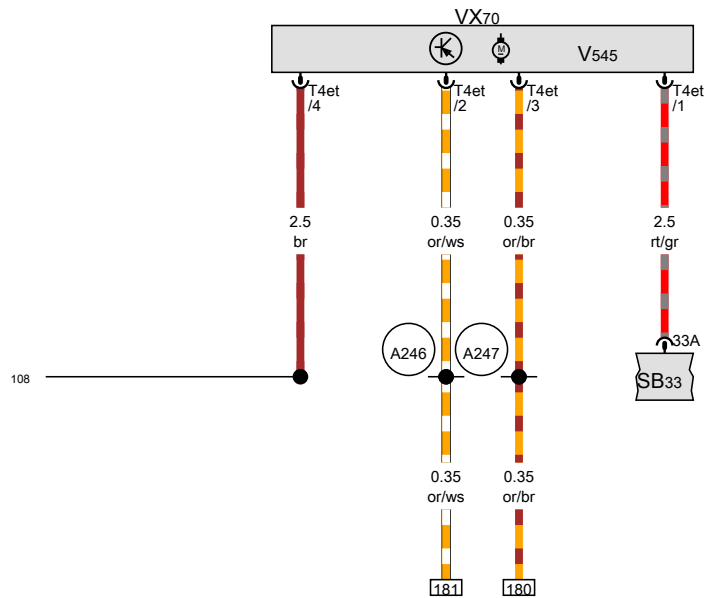


Brake fluid level warning contact, Coolant shortage indicator sender, Brake pedal position sender, Brake pedal position sender 2, Coolant shortage indicator sender 2, Coolant shortage indicator control unit, Brake servo

- F34 Brake fluid level warning contact
- G32 Coolant shortage indicator sender
- G100 Brake pedal position sender
- G836 Brake pedal position sender 2
- G837 Coolant shortage indicator sender 2
- J120 Coolant shortage indicator control unit, in E-box in engine compartment
- J519 Onboard supply control unit
- NX6 Brake servo
- SB4 Fuse 4 on fuse holder B
- T2et 2-pin connector
- T2eu 2-pin connector
- T2iq 2-pin connector
- T4eu 4-pin connector
- T26f 26-pin connector
- T46 46-pin connector

- 108 Earth connection 2, in front left wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Brake system pressure accumulator, Motor in brake pressure accumulator for energy recovery

- SB33 Fuse 33 on fuse holder B
- T4et 4-pin connector
- VX70 Brake system pressure accumulator
- V545 Motor in brake pressure accumulator for energy recovery
- 108 Earth connection 2, in front left wiring harness
- A246 Connection 1 (CAN bus high), in engine compartment wiring harness
- A247 Connection 1 (CAN bus low), in engine compartment wiring harness

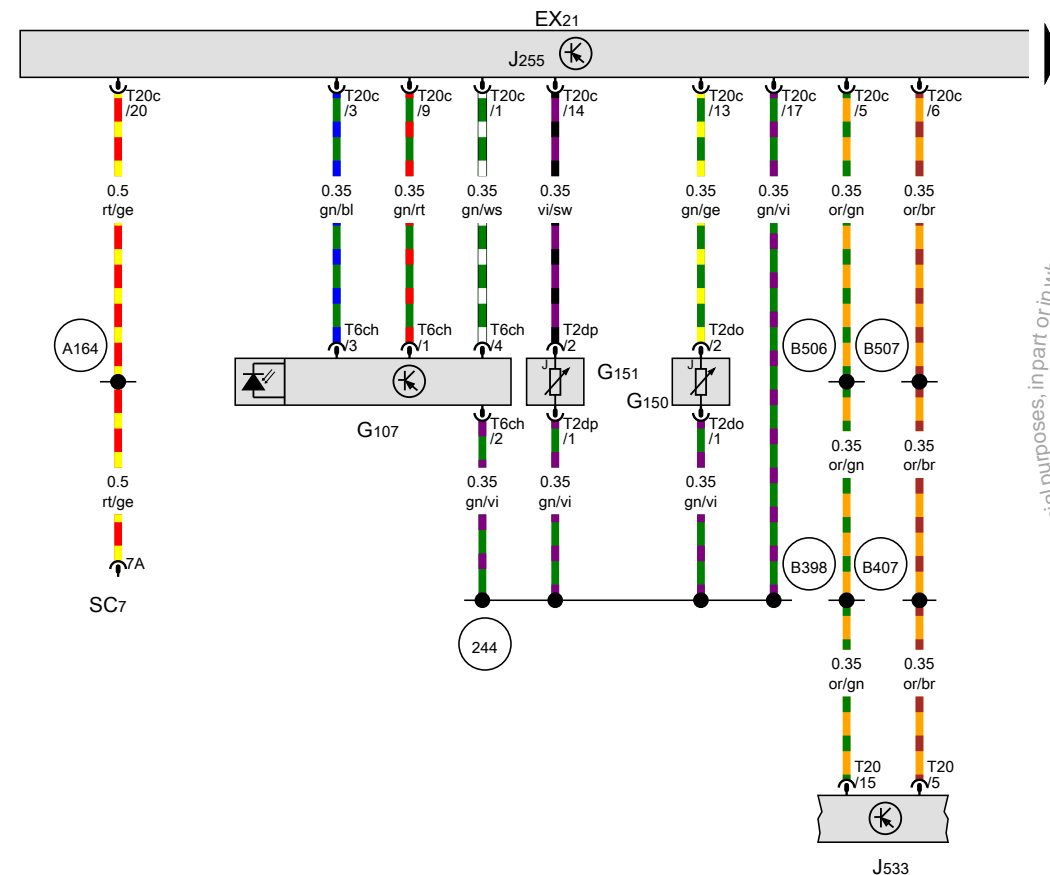
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Air conditioning system for models with high-voltage system , CUKB

From July 2014

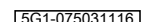


Heater and air conditioning controls, Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Climatronic control unit, Data bus diagnostic interface, Fuse 7 on fuse holder C



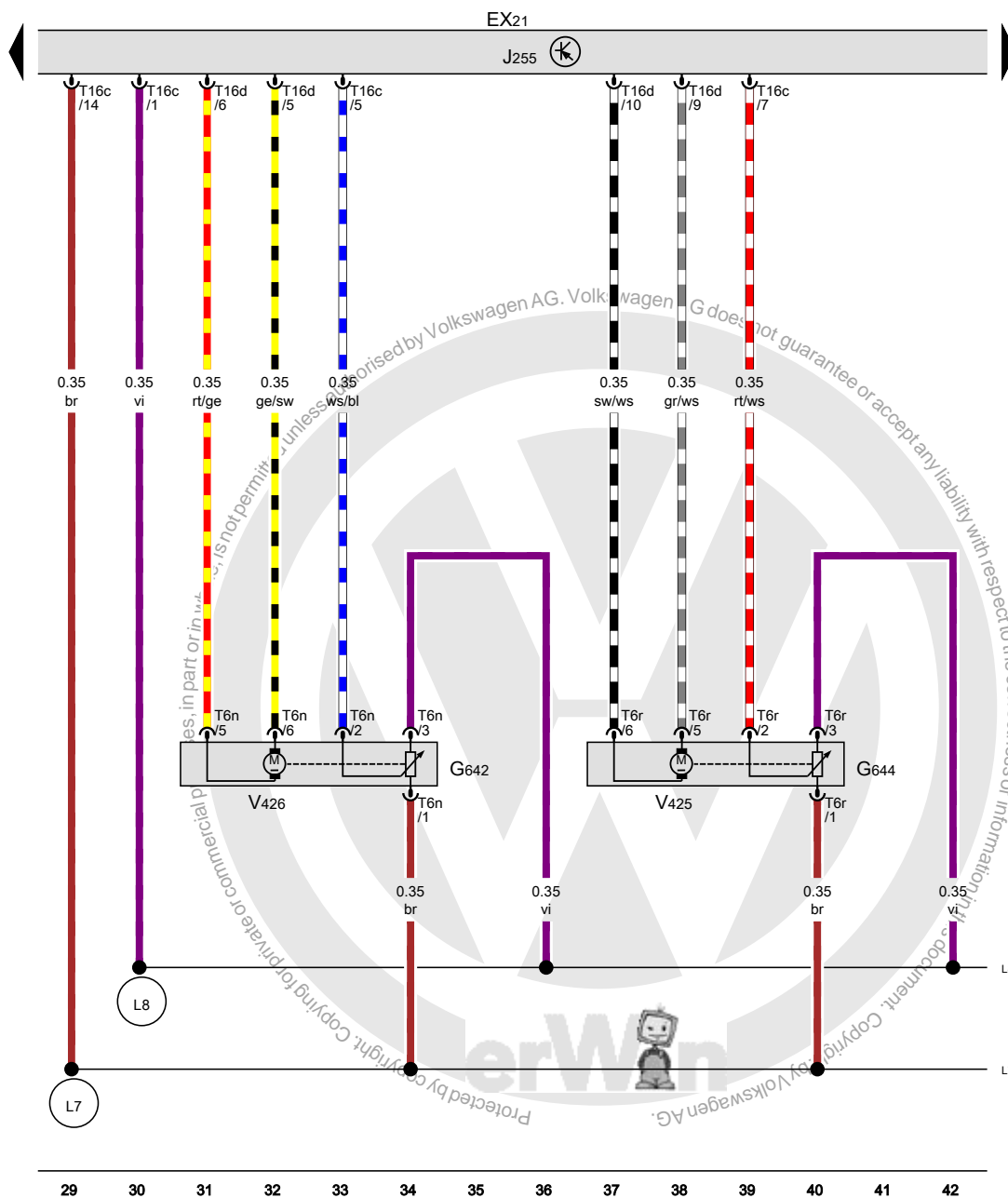
- EX21 Heater and air conditioning controls
- G107 Sunlight penetration photosensor
- G150 Left vent temperature sender
- G151 Right vent temperature sender
- J255 Climatronic control unit
- J533 Data bus diagnostic interface
- SC7 Fuse 7 on fuse holder C
- T2do 2-pin connector
- T2dp 2-pin connector
- T6ch 6-pin connector
- T20 20-pin connector
- T20c 20-pin connector
- 244 Earth connection (sender earth), in Climatronic wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

ws = white
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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*1	see applicable current flow diagram for high-voltage system	
*2	Only left-hand drive models	
*3	Only right-hand drive models	
*4	Up to November 2015	
*5	From November 2015	11.20

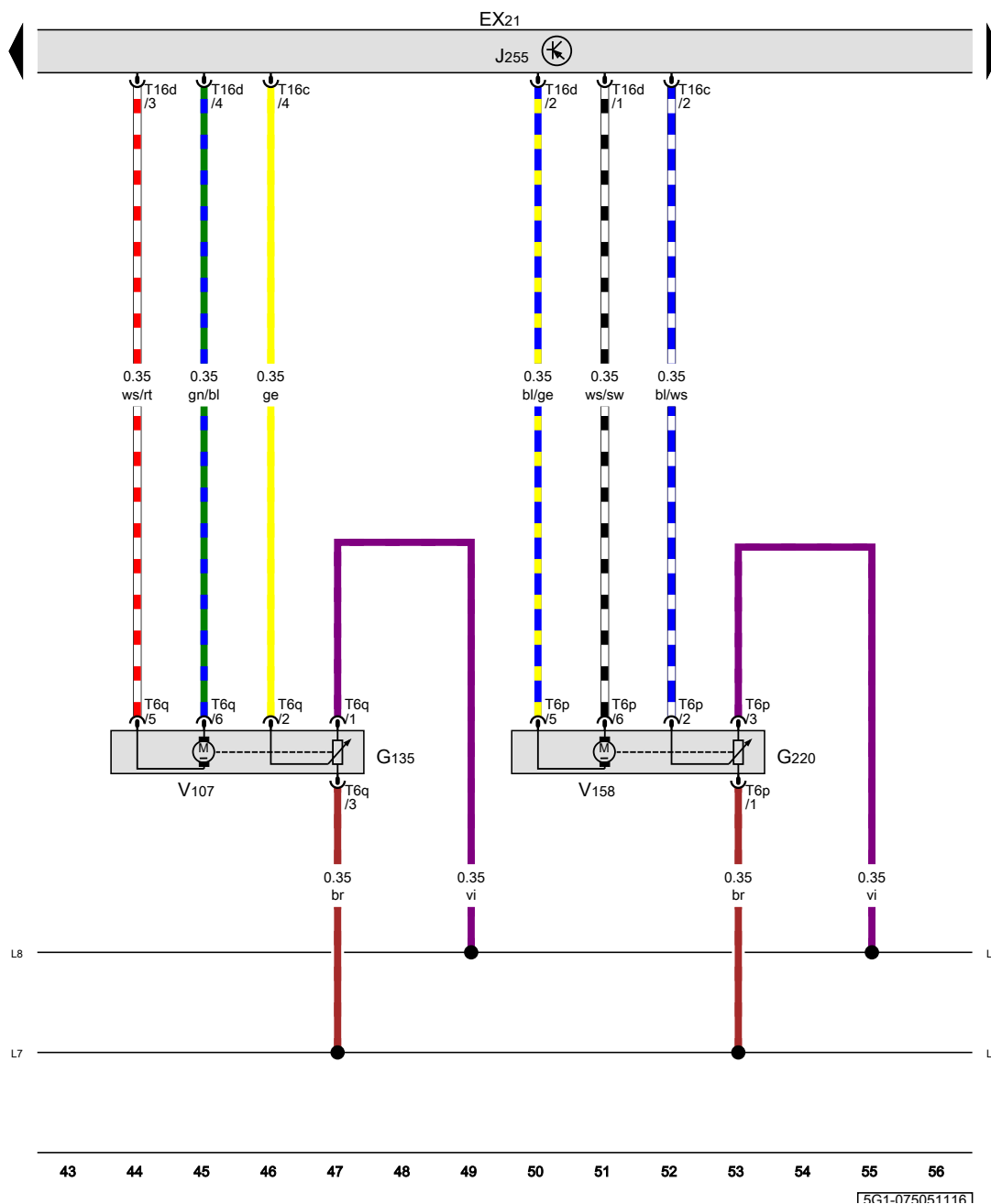
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Heater and air conditioning controls, Potentiometer for front air distribution flap control motor, Potentiometer for fresh air/air recirculation, air flow flap control motor, Climatronic control unit, Fresh air/air recirculation, air flow flap control motor, Front air distribution flap control motor

- EX21 Heater and air conditioning controls
- G642 Potentiometer for front air distribution flap control motor
- G644 Potentiometer for fresh air/air recirculation, air flow flap control motor
- J255 Climatronic control unit
- T6n 6-pin connector
- T6r 6-pin connector
- T16c 16-pin connector, black
- T16d 16-pin connector, brown
- V425 Fresh air/air recirculation, air flow flap control motor
- V426 Front air distribution flap control motor

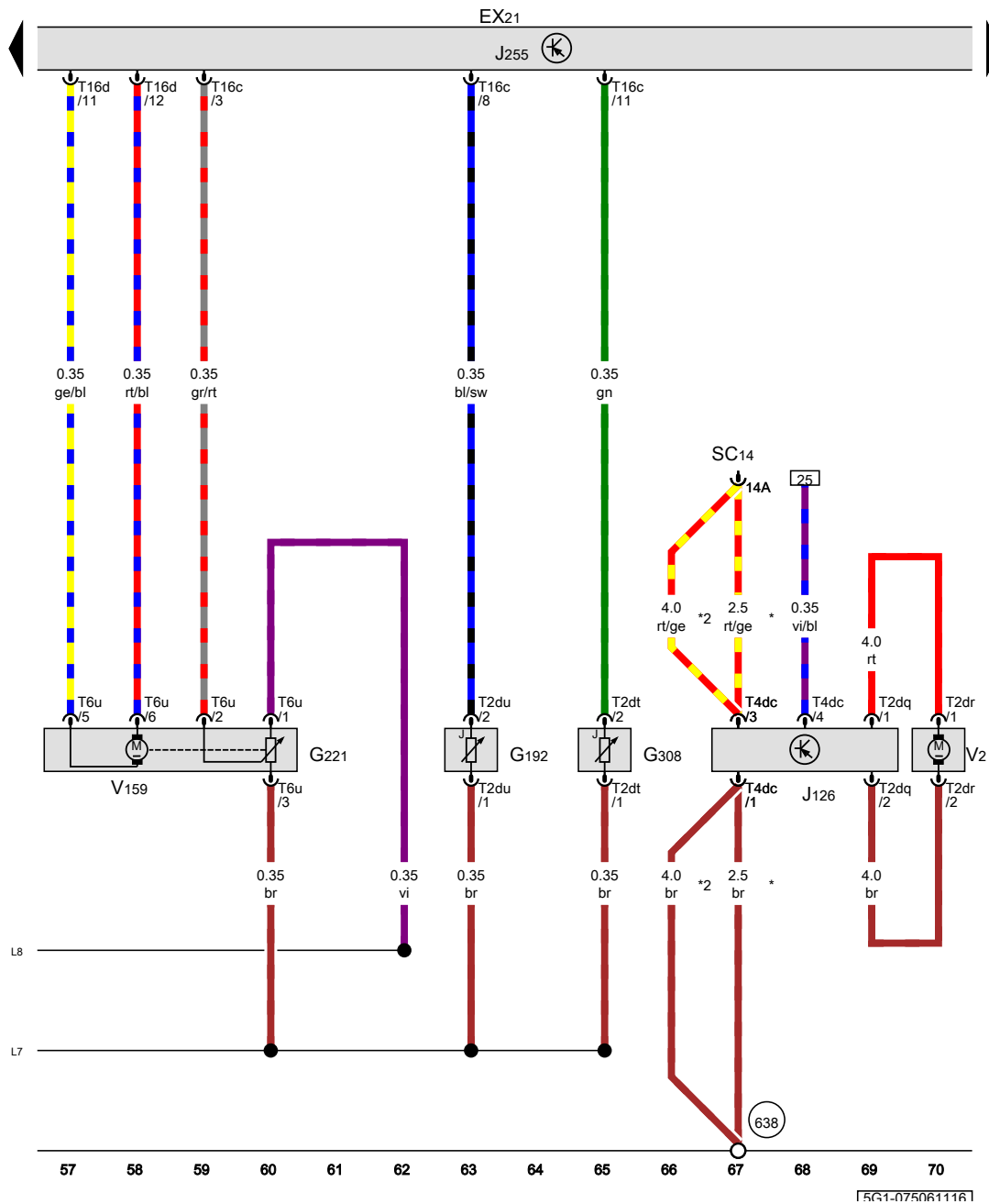
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness



Heater and air conditioning controls, Potentiometer for defroster flap control motor, Potentiometer for left temperature flap control motor, Climatronic control unit, Defroster flap control motor, Left temperature flap control motor

- EX21 Heater and air conditioning controls
- G135 Potentiometer for defroster flap control motor
- G220 Potentiometer for left temperature flap control motor
- J255 Climatronic control unit
- T6p 6-pin connector
- T6q 6-pin connector
- T16c 16-pin connector, black
- T16d 16-pin connector, brown
- V107 Defroster flap control motor
- V158 Left temperature flap control motor

- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness



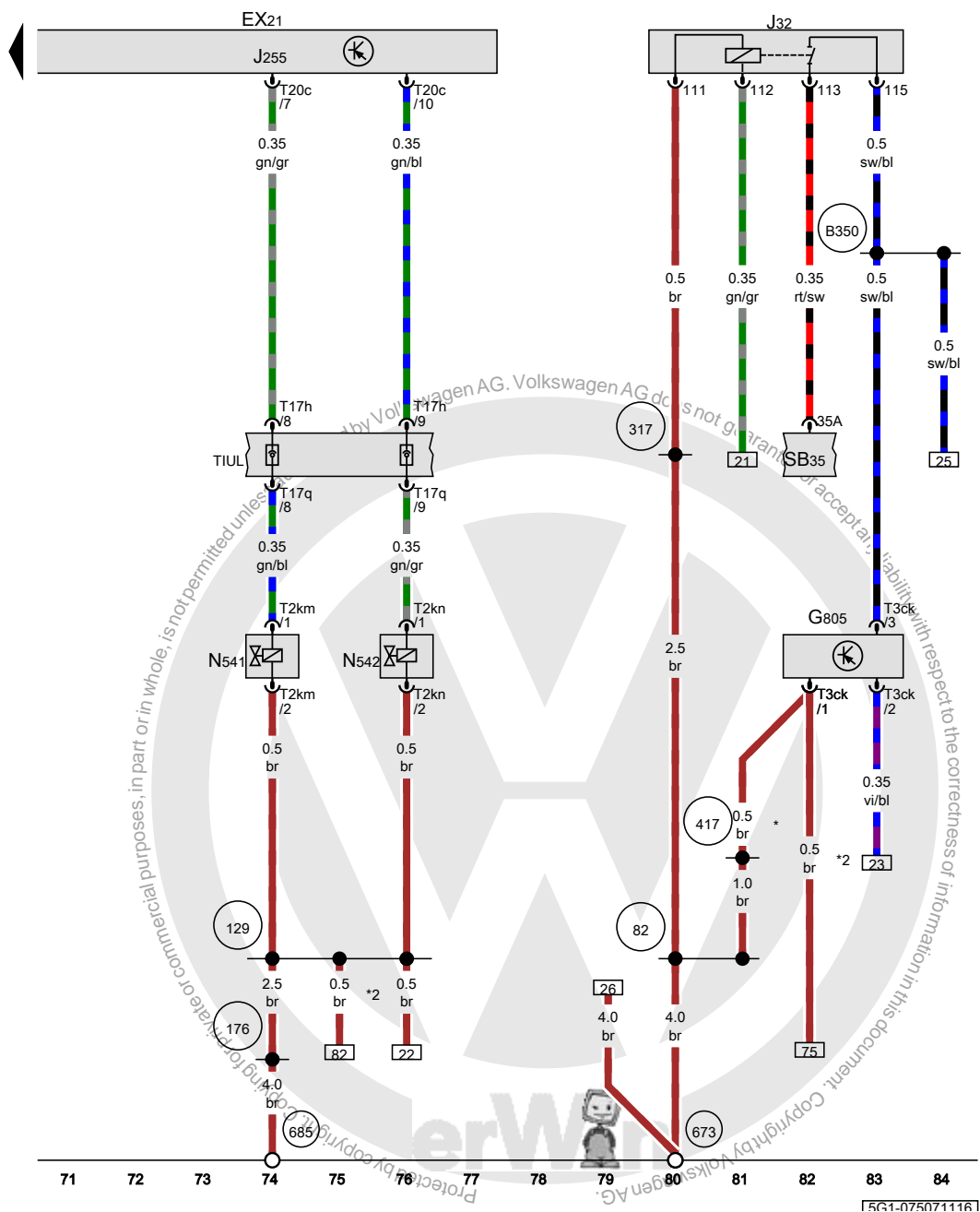
ws = white
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Heater and air conditioning controls, Footwell vent temperature sender, Potentiometer for right temperature flap control motor, Evaporator temperature sensor, Fresh air blower control unit, Climatronic control unit, Fuse 14 on fuse holder C, Fresh air blower, Right temperature flap control motor

- EX21 Heater and air conditioning controls
- G192 Footwell vent temperature sender
- G221 Potentiometer for right temperature flap control motor
- G308 Evaporator temperature sensor
- J126 Fresh air blower control unit
- J255 Climatronic control unit
- SC14 Fuse 14 on fuse holder C
- T2dq 2-pin connector
- T2dr 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T4dc 4-pin connector
- T6u 6-pin connector
- T16c 16-pin connector, black
- T16d 16-pin connector, brown
- V2 Fresh air blower
- V159 Right temperature flap control motor

- 638 Earth point, on right A-pillar
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

- * Up to May 2016
- *2 From May 2016



Heater and air conditioning controls, Pressure sender for refrigerant circuit, Air conditioning system relay, Climatronic control unit, Refrigerant shut-off valve for heater and air conditioner unit, Refrigerant shut-off valve for high-voltage battery heat exchanger

- EX21 Heater and air conditioning controls
- G805 Pressure sender for refrigerant circuit
- J32 Air conditioning system relay, in E-box in engine compartment
- J255 Climatronic control unit
- N541 Refrigerant shut-off valve for heater and air conditioner unit
- N542 Refrigerant shut-off valve for high-voltage battery heat exchanger
- SB35 Fuse 35 on fuse holder B
- T2km 2-pin connector
- T2kn 2-pin connector
- T3ck 3-pin connector
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T20c 20-pin connector
- TIUL Coupling point in interior, below left

- 82 Earth connection 1, in front left wiring harness
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- 685 Earth point 1, on front of right longitudinal member
- B350 Positive connection 1 (87a) in main wiring harness

* Up to November 2014
*2 From November 2014

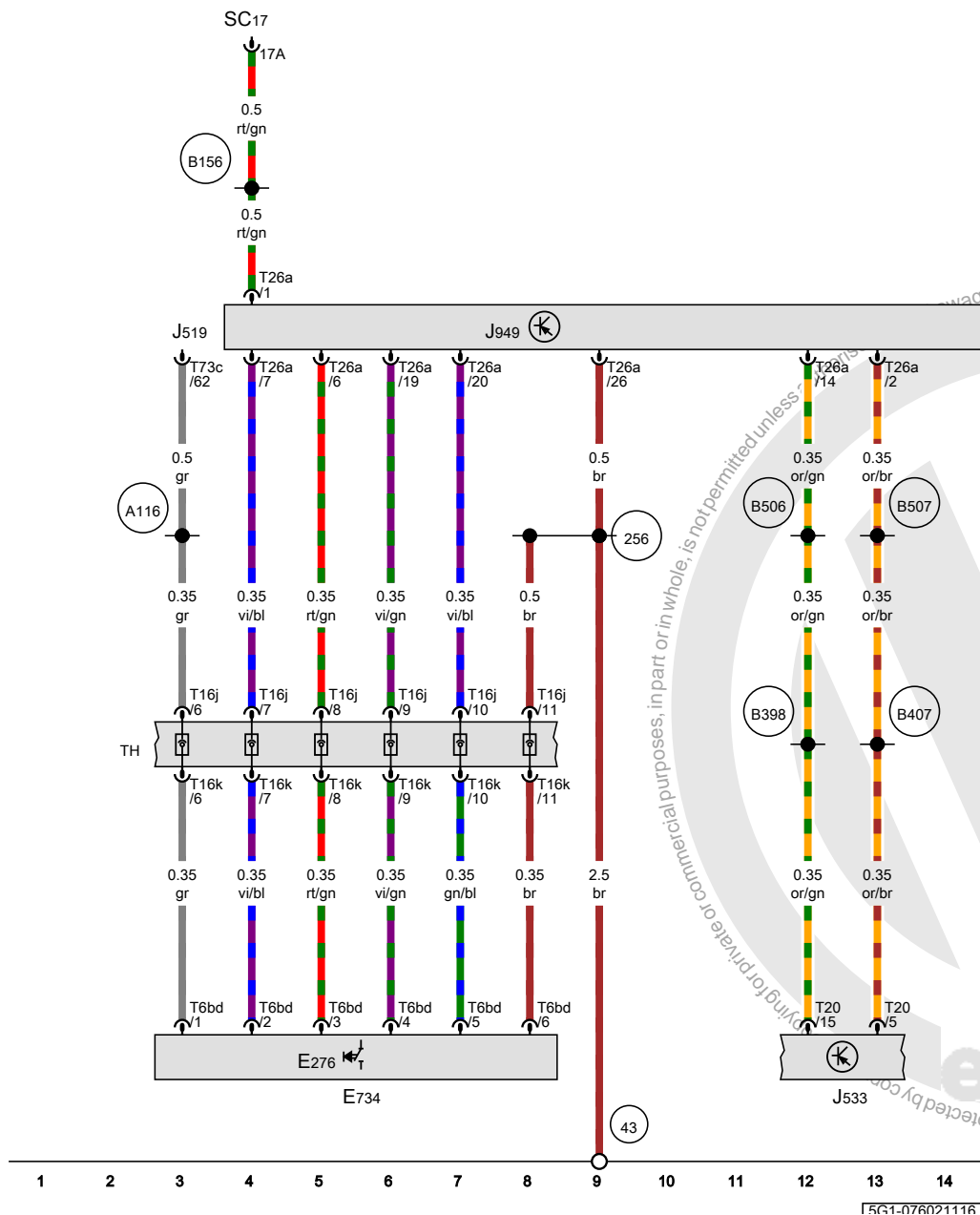
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sw = black
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Emergency call module , CUKB

From July 2014



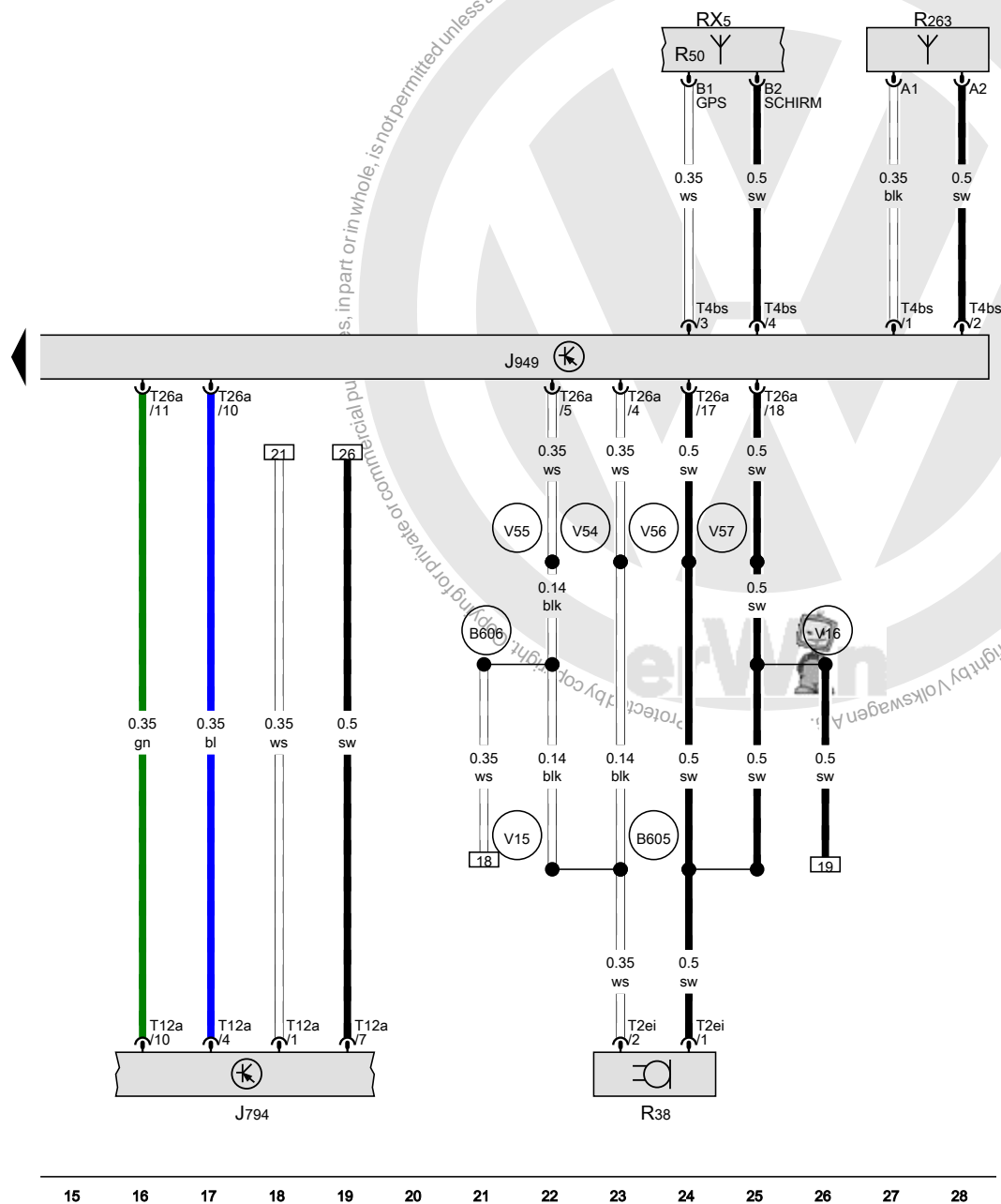
Telematics button module, Data bus diagnostic interface, Emergency call module control unit and communication unit



- E276 Emergency assistance call button
- E734 Telematics button module
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J949 Emergency call module control unit and communication unit
- SC17 Fuse 17 on fuse holder C
- T6bd 6-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T20 20-pin connector
- T26a 26-pin connector
- T73c 73-pin connector
- TH Coupling point for roof

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

- ws = white
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- gr = grey
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- ge = yellow
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Control unit 1 for information electronics, Emergency call module control unit and communication unit, Roof aerial, Telephone microphone, Emergency call module aerial

- J794 Control unit 1 for information electronics
- J949 Emergency call module control unit and communication unit
- RX5 Roof aerial
- R38 Telephone microphone
- R50 GPS aerial
- R263 Emergency call module aerial
- T2ei 2-pin connector
- T4bs 4-pin connector
- T12a 12-pin connector, blue
- T26a 26-pin connector

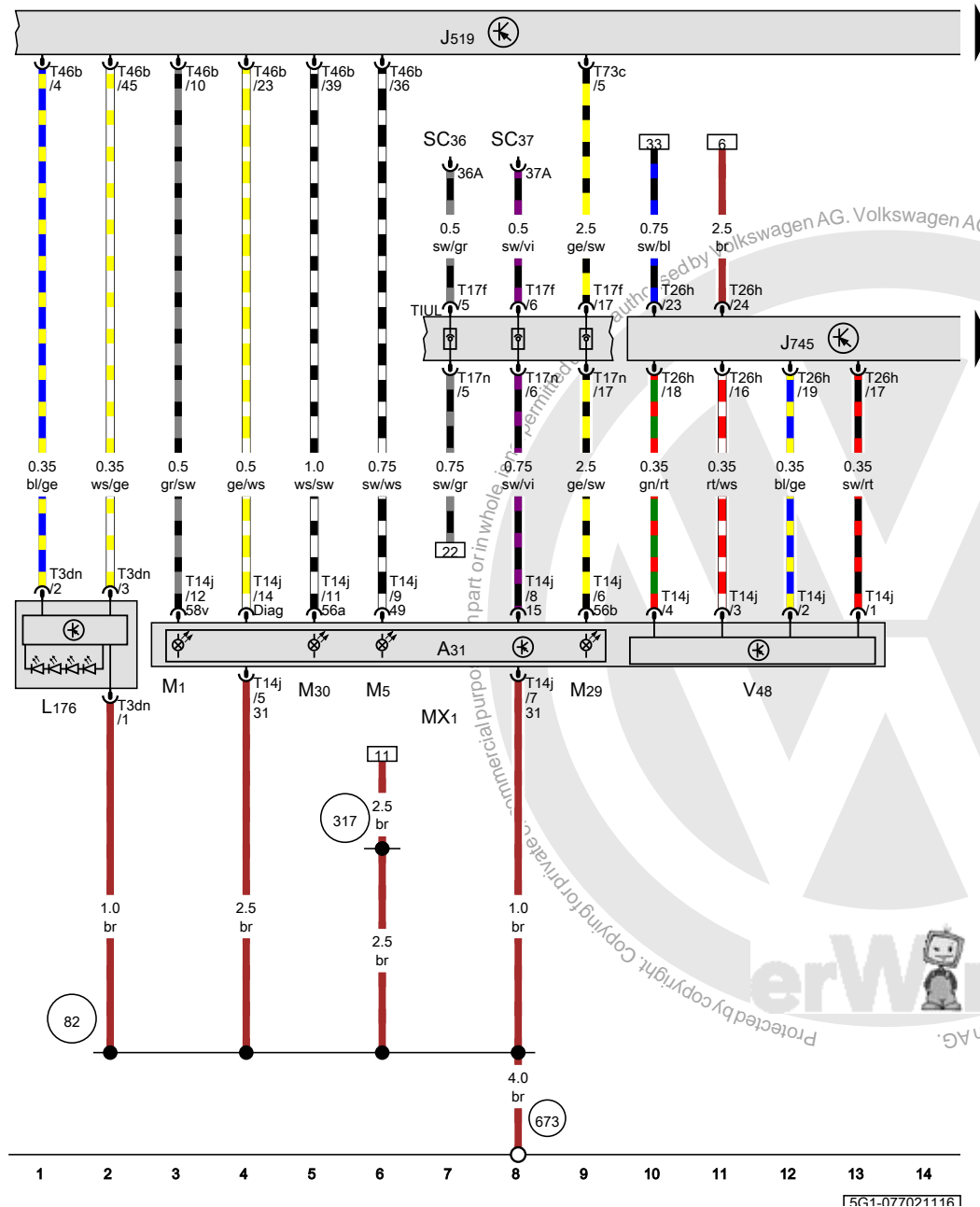
- B605 Connection 1, in interior wiring harness
- B606 Connection 2, in interior wiring harness
- V15 Connection, in telephone wiring harness
- V16 Connection (screening), in telephone wiring harness
- V54 Connection 1 (telephone), in main wiring harness
- V55 Connection 2 (telephone), in main wiring harness
- V56 Connection 3 (telephone), in main wiring harness
- V57 Connection 4 (telephone), in main wiring harness

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LED headlights , CUKB

From July 2014

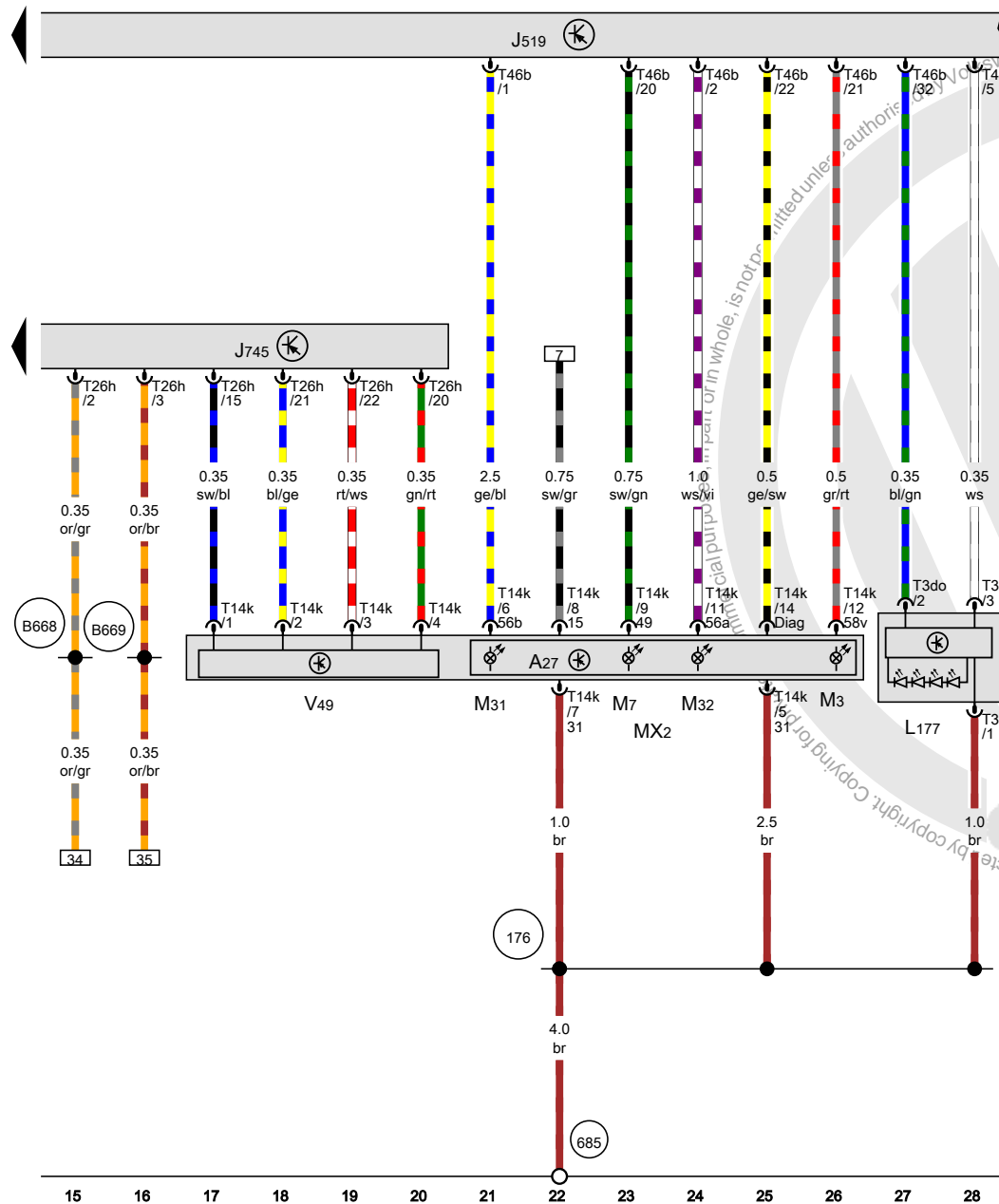




Output module 1 for left LED headlight, Onboard supply control unit, Control unit for cornering light and headlight range control, Left LED module for daytime running light and side light, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor

- A31 Output module 1 for left LED headlight
- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- L176 Left LED module for daytime running light and side light
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T3dn 3-pin connector
- T14j 14-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- T26h 26-pin connector
- T46b 46-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- V48 Left headlight range control motor

- 82 Earth connection 1, in front left wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member



Output module 1 for right LED headlight, Onboard supply control unit, Control unit for cornering light and headlight range control, Right LED module for daytime running light and side light, Front right headlight, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

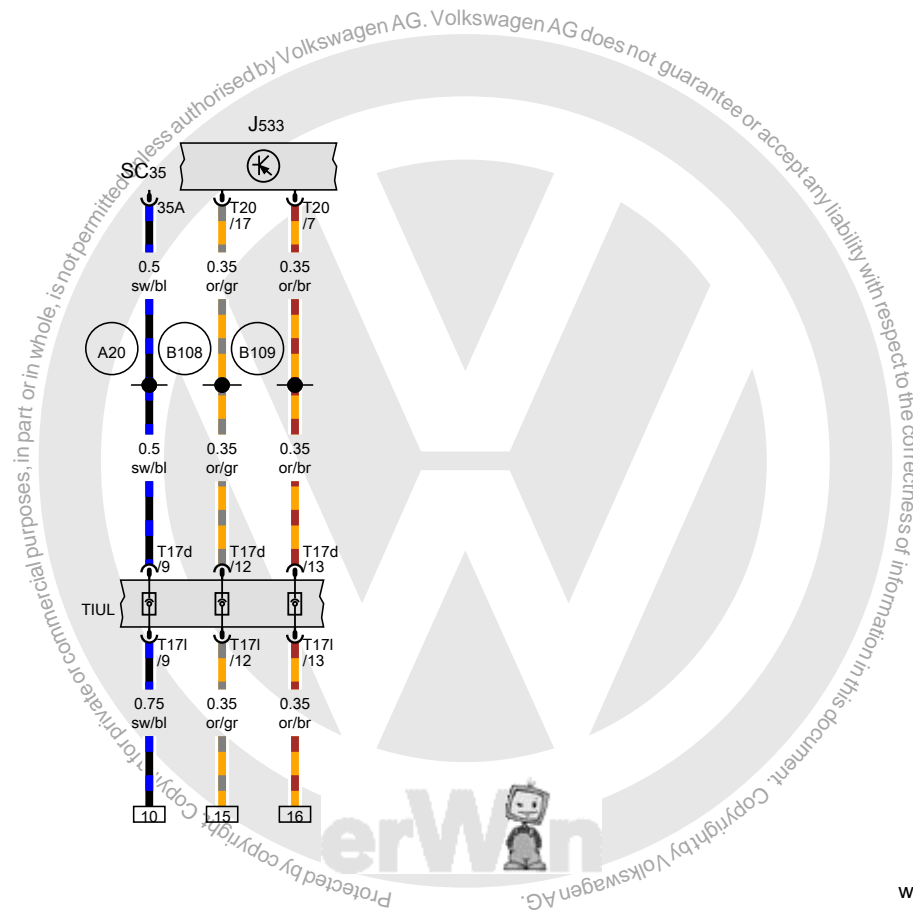
- A27 Output module 1 for right LED headlight
- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T3do 3-pin connector
- T14k 14-pin connector
- T26h 26-pin connector
- T46b 46-pin connector
- V49 Right headlight range control motor
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness

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Data bus diagnostic interface

- J533 Data bus diagnostic interface
- SC35 Fuse 35 on fuse holder C
- T17d 17-pin connector, black
- T17i 17-pin connector
- T20 20-pin connector
- TIUL Coupling point in interior, below left

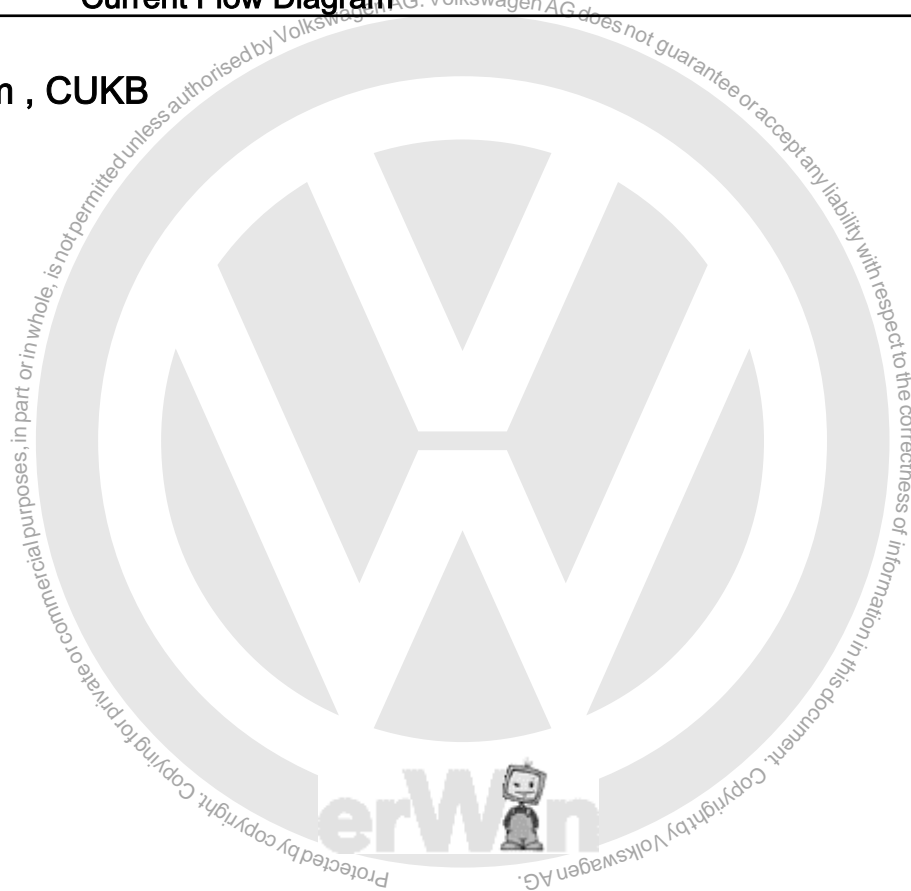
- A20 Positive connection (15a), in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness



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Fuse assignment for models with hybrid system , CUKB

From July 2014

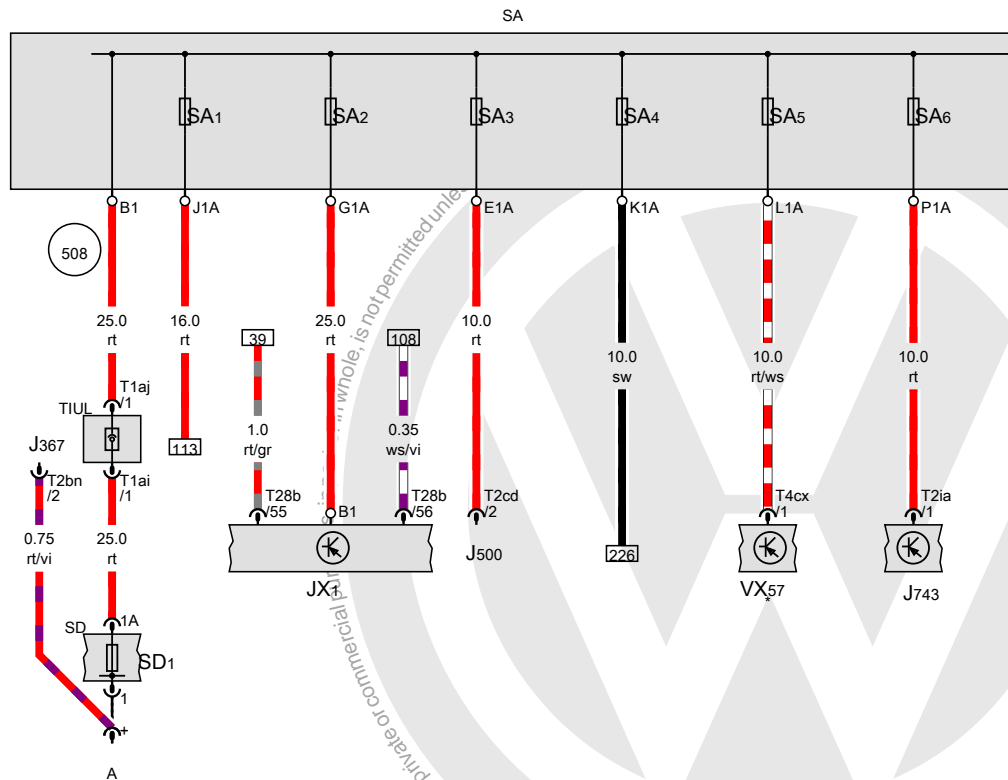


Fuse holder A, Fuse holder D

- A Battery, in luggage compartment, under floor panel
- JX1 Power and control electronics for electric drive
- J367 Battery monitor control unit
- J500 Power steering control unit
- J743 Mechatronic unit for dual clutch gearbox
- SA Fuse holder A
- SD Fuse holder D
- SD1 Fuse 1 on fuse holder D
- SA1 Fuse 1 on fuse holder A
- SA2 Fuse 2 on fuse holder A
- SA3 Fuse 3 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SA5 Fuse 5 on fuse holder A
- SA6 Fuse 6 on fuse holder A
- T1ai 1-pin connector
- T1aj 1-pin connector
- T2bn 2-pin connector
- T2cd 2-pin connector
- T2ia 2-pin connector
- T4cx 4-pin connector
- T28b 28-pin connector
- TIUL Coupling point in interior, below left
- VX57 Radiator fan

508 Threaded connection (30) on E-box

* Pre-wired component

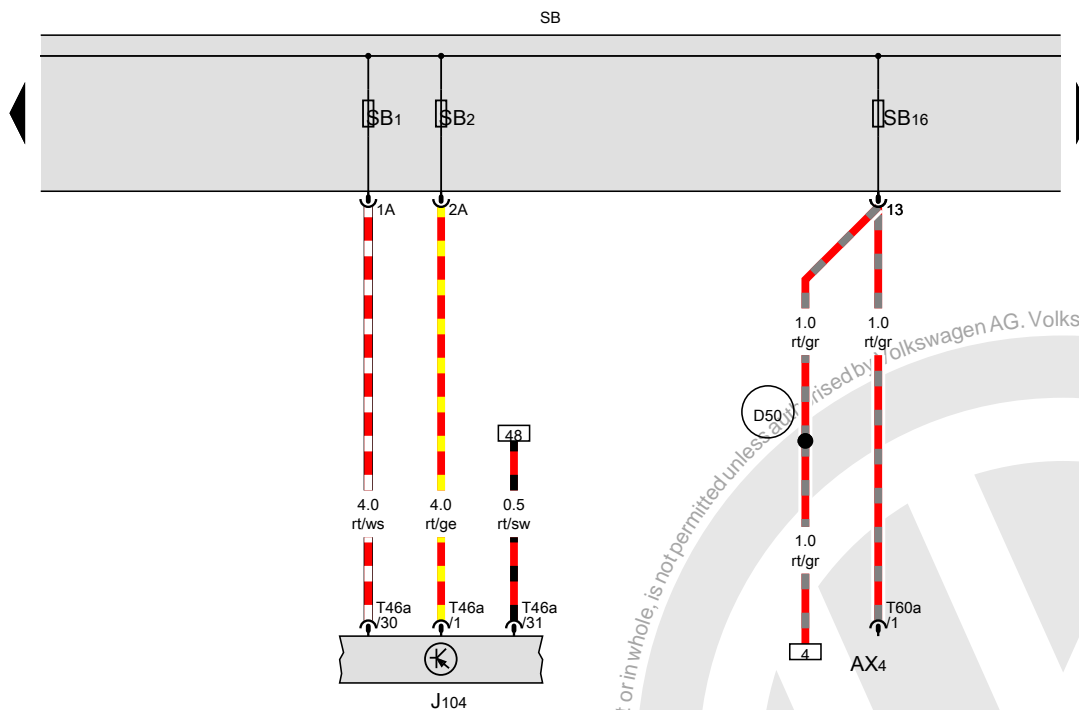


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Fuse holder B

- AX4 Charging unit 1 for high-voltage battery
- J104 ABS control unit
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- T46a 46-pin connector
- T60a 60-pin connector
- D50 Positive connection (30), in engine compartment wiring harness



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Heated windscreen relay, Fuse holder B

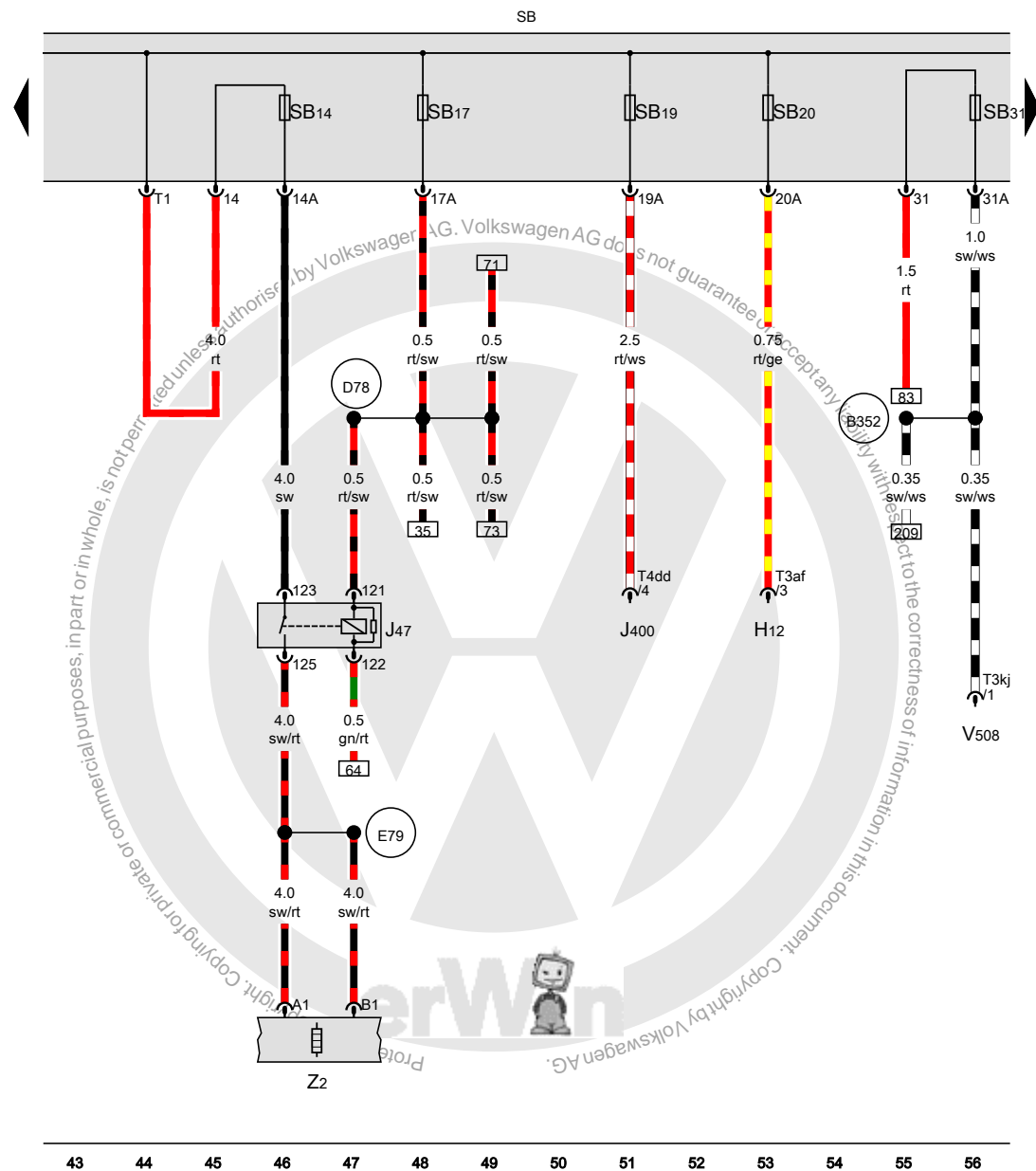
- H12 Alarm horn
- J47 Heated windscreen relay
- J400 Wiper motor control unit
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- T3af 3-pin connector
- T3kj 3-pin connector
- T4dd 4-pin connector
- V508 Coolant circulation pump before power and control electronics for electric drive
- Z2 Heated windscreen

B352 Positive connection 3 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

E79 Connection 3 (87a) in engine wiring harness

ws = white
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ro = red
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bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

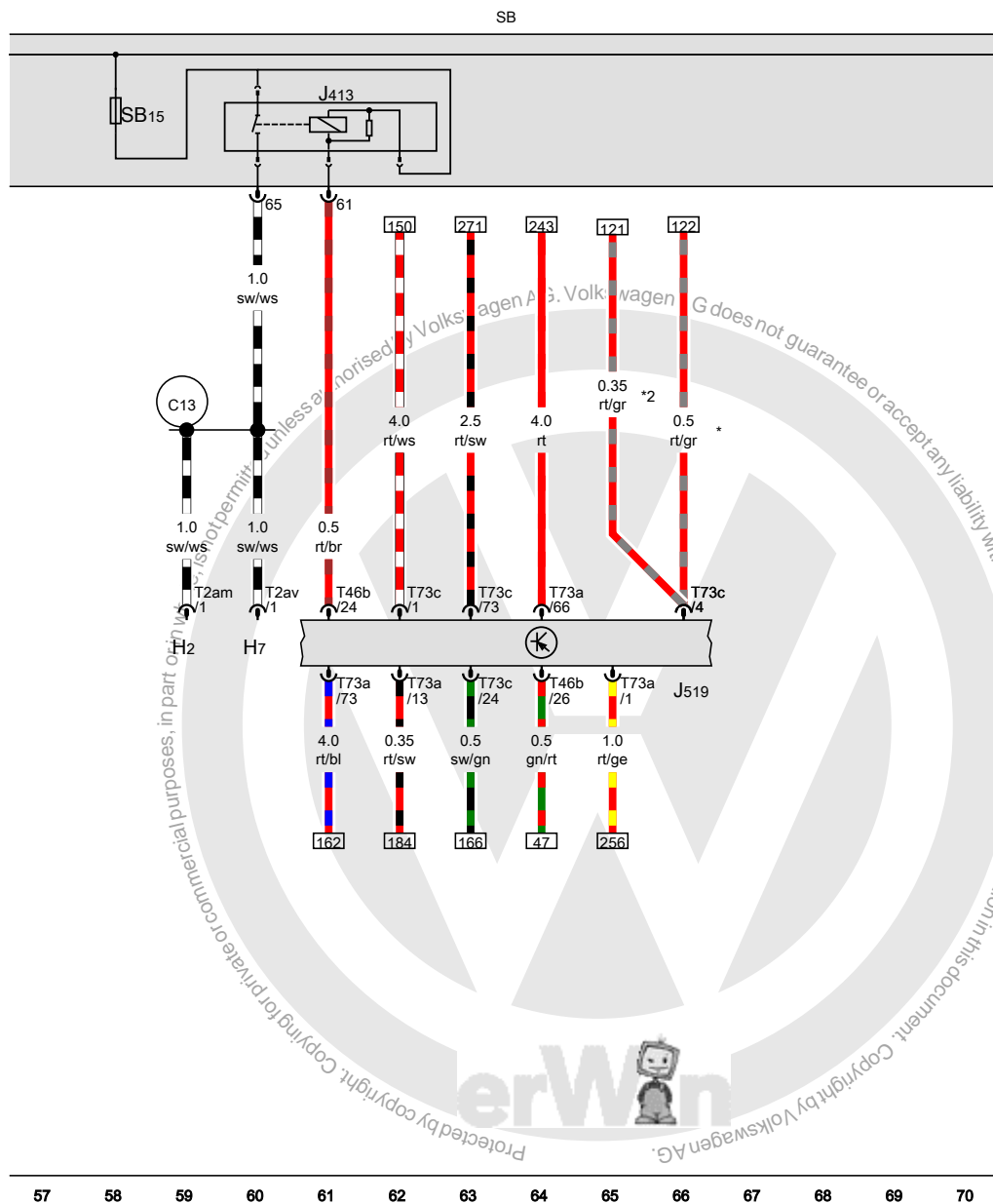


43 44 45 46 47 48 49 50 51 52 53 54 55 56

15G1-078051116

Horn relay, Fuse holder B

- H2 Treble horn
- H7 Bass horn
- J413 Horn relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- T2am 2-pin connector
- T2av 2-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- C13 Positive connection in dual tone horn wiring harness
- * Up to November 2015
- *2 From November 2015



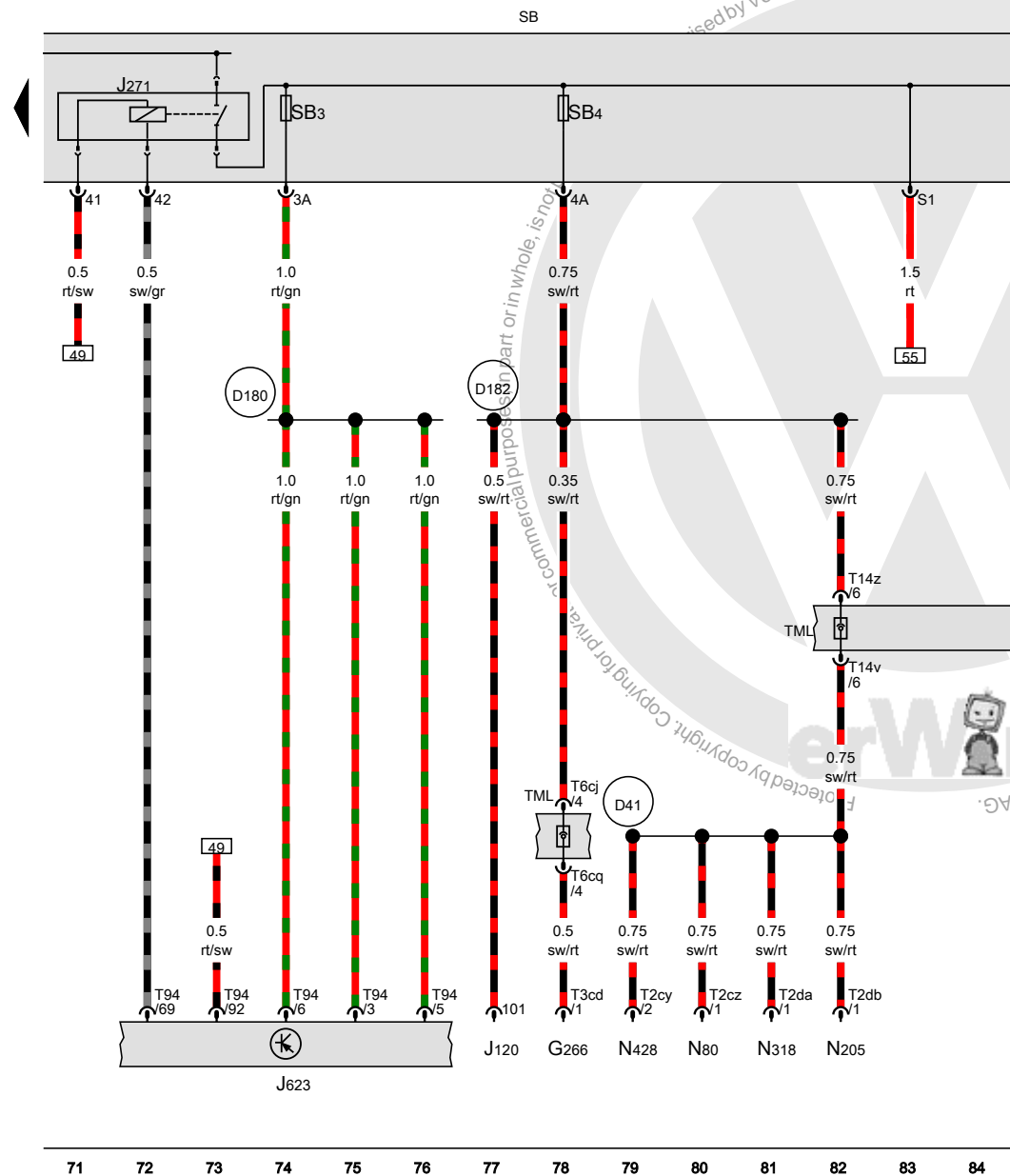
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Main relay, Fuse holder B

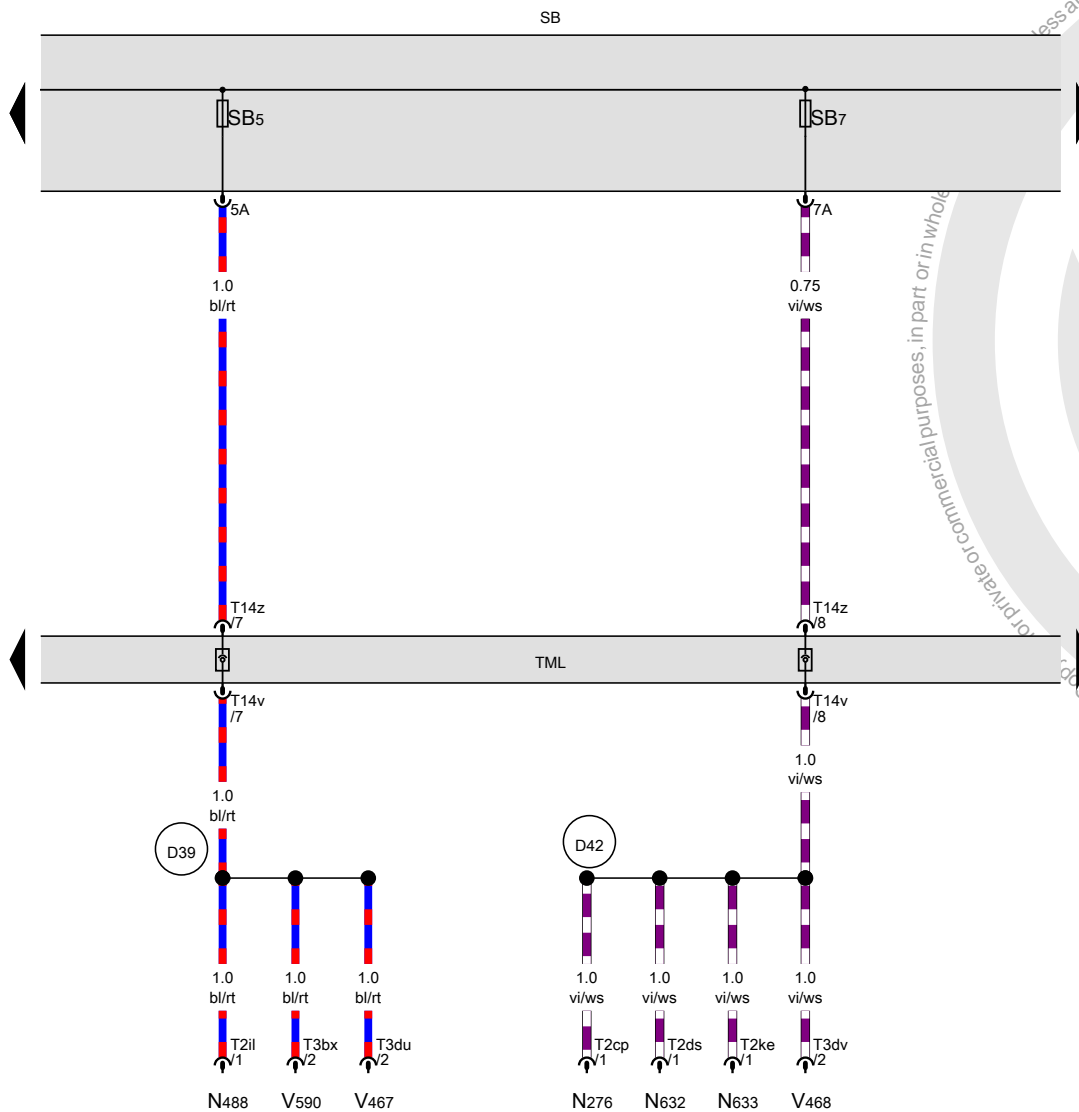
- G266 Oil level and oil temperature sender
- J120 Coolant shortage indicator control unit
- J271 Main relay
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T94 94-pin connector
- TML Coupling point in engine compartment, left

- D41 Connection 3, in engine prewiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
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- gr = grey
- li = purple
- vi = purple
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- rs = pink



15G1-078071116



Fuse holder B

- N276 Fuel pressure regulating valve
- N488 Coolant valve for gearbox
- N632 Coolant changeover valve 1
- N633 Coolant changeover valve 2
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- T2cp 2-pin connector
- T2ds 2-pin connector
- T2il 2-pin connector, near centre console
- T2ke 2-pin connector
- T3bx 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery
- D39 Connection 1, in engine prewiring harness
- D42 Connection 4, in engine prewiring harness

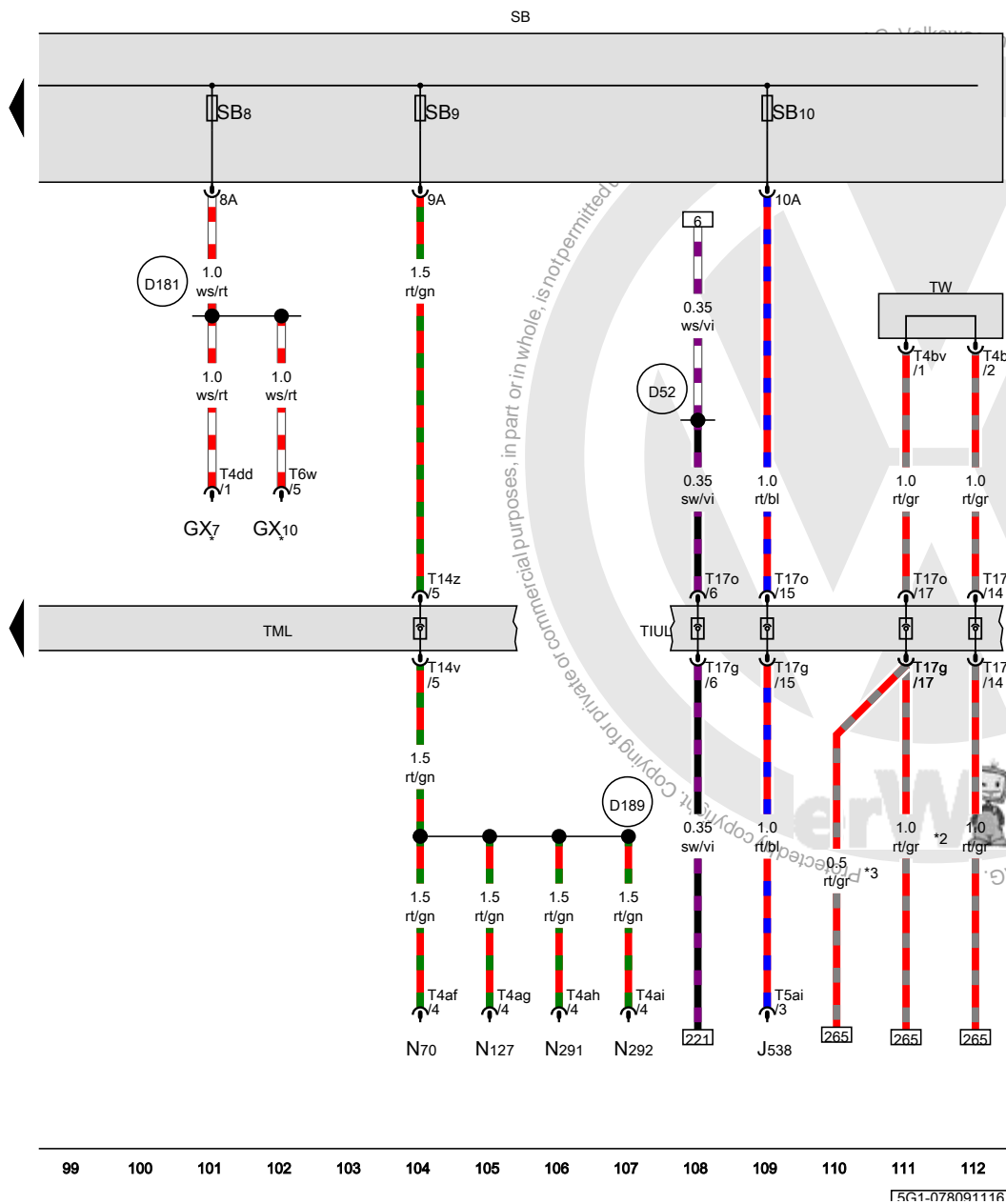
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 gn = green
 bl = blue
 gr = grey
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 vi = purple
 ge = yellow
 or = orange
 rs = pink

Fuse holder B

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- J538 Fuel pump control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T4bv 4-pin connector
- T4dd 4-pin connector
- T5ai 5-pin connector
- T6w 6-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system

- D52 Positive connection (15a), in engine compartment wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- * Pre-wired component
- *2 Up to November 2015
- *3 From November 2015

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

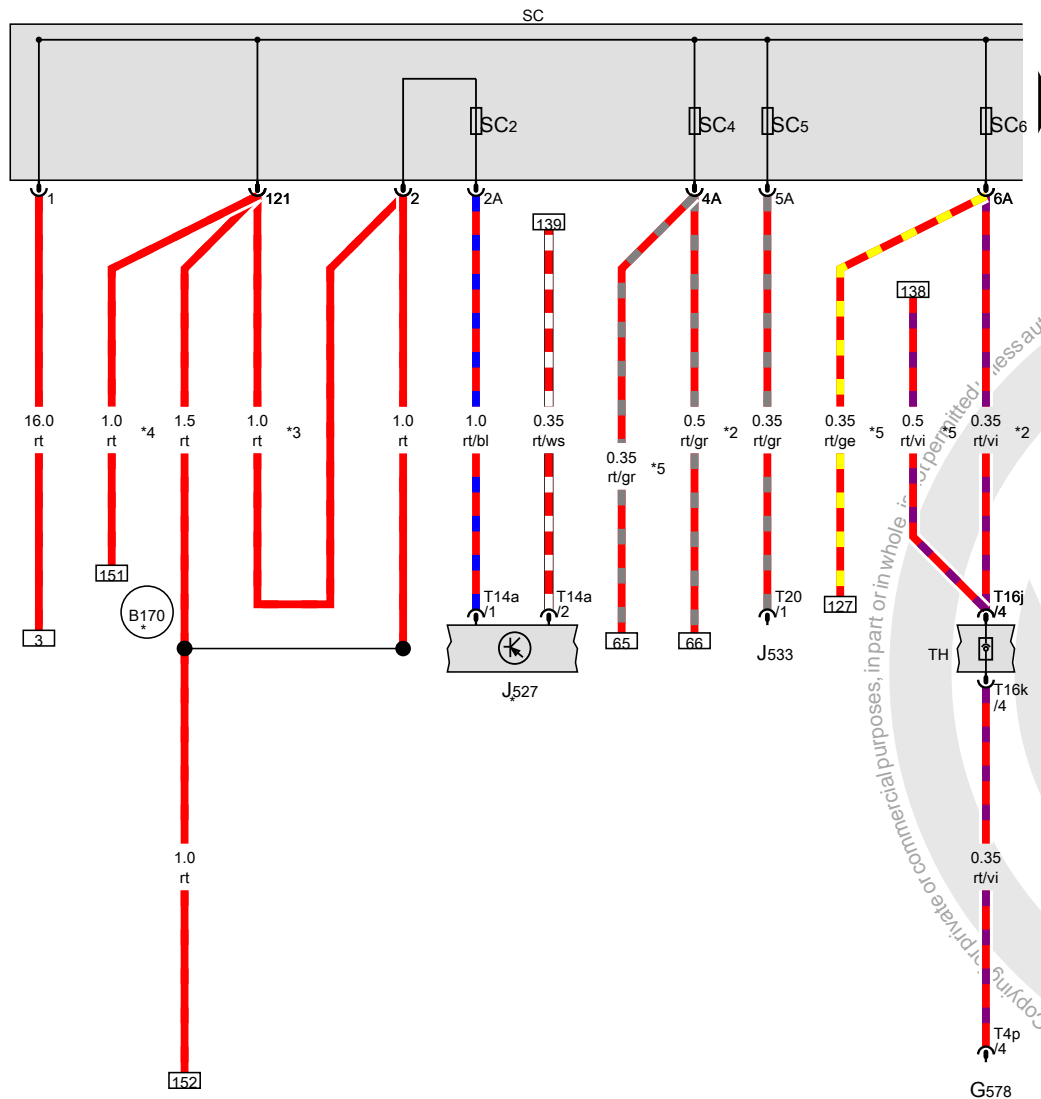


99 100 101 102 103 104 105 106 107 108 109 110 111 112

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Fuse holder C

- G578 Anti-theft alarm sensor
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T4p 4-pin connector
- T14a 14-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T20 20-pin connector
- TH Coupling point for roof
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with heated steering wheel
- *2 Up to November 2015
- *3 Wiring colour depends on equipment
- *4 Only models with no heated steering wheel
- *5 From November 2015



- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse holder C

- EX1 Rotary light switch
- EX21 Heater and air conditioning controls
- E313 Selector lever
- E538 Electromechanical parking brake button
- G397 Rain and light sensor
- J527 Steering column electronics control unit
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- T3ae 3-pin connector
- T6j 6-pin connector
- T10h 10-pin connector
- T10s 10-pin connector
- T12am 12-pin connector
- T16 16-pin connector
- T16r 16-pin connector
- T20c 20-pin connector
- U31 Diagnostic connection

A1 Positive connection (30a), in dash panel wiring harness

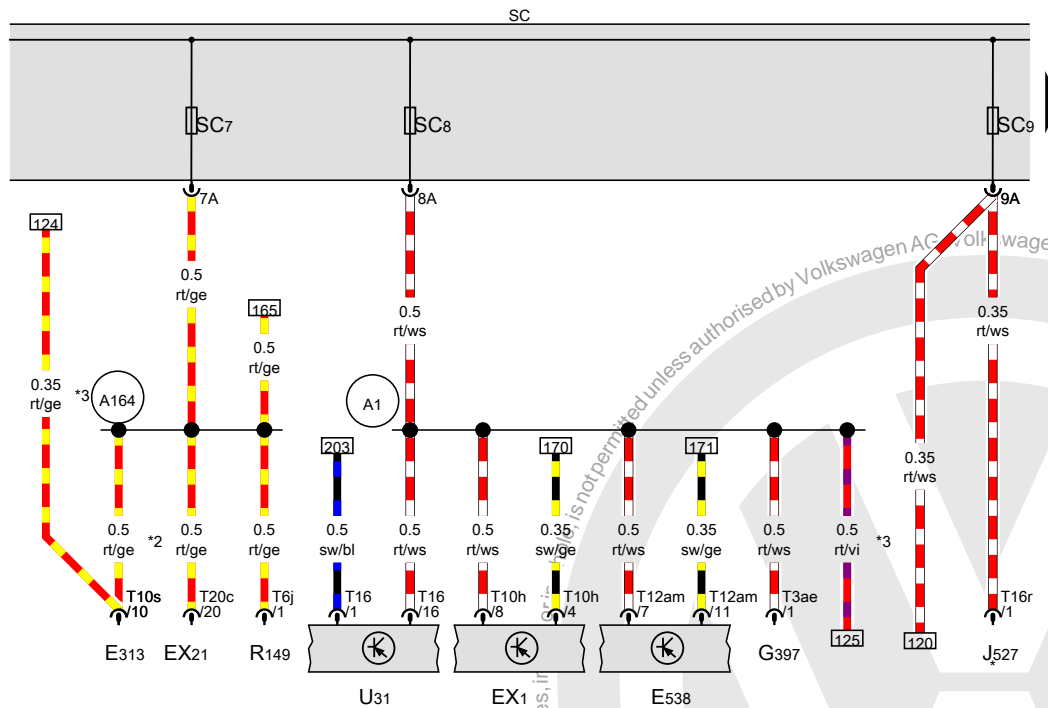
A164 Positive connection 2 (30a) in dash panel wiring harness

* Only models with no heated steering wheel

*2 Up to November 2015

*3 From November 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



127 128 129 130 131 132 133 134 135 136 137 138 139 140

[5G1-078111116]

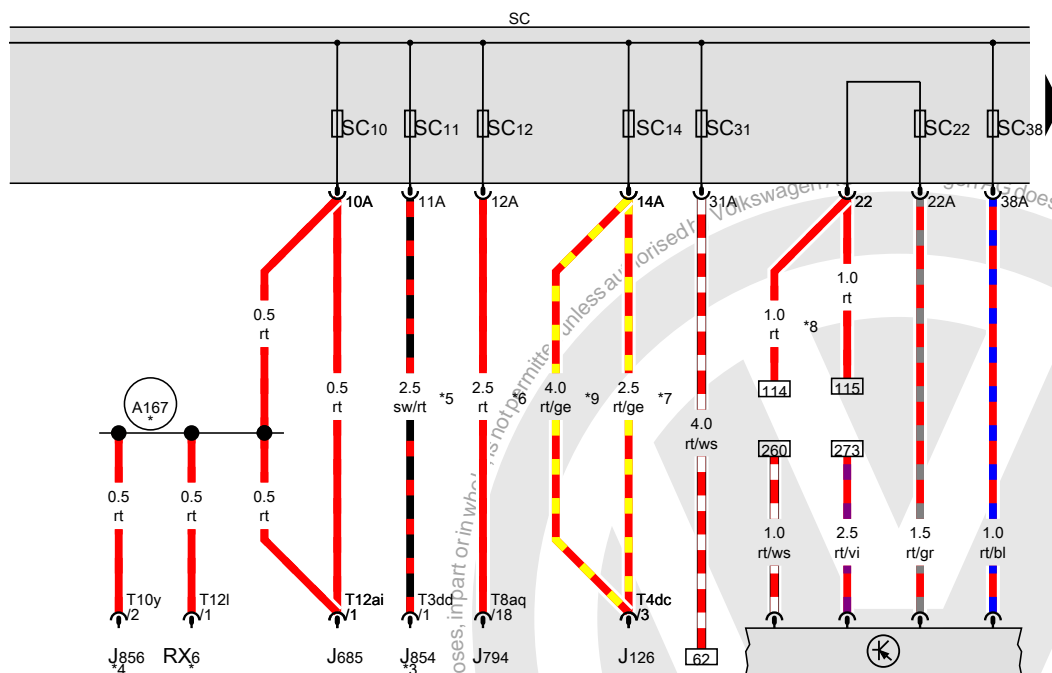
Fuse holder C

- J126 Fresh air blower control unit
- J345 Trailer detector control unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J854 Control unit for front left belt tensioner
- J856 Control unit for navigation system
- RX6 TV tuner
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- T3dd 3-pin connector
- T4dc 4-pin connector
- T8aq 8-pin connector, black
- T10y 10-pin connector
- T12ai 12-pin connector
- T12l 12-pin connector, black

A167 Positive connection 3 (30a) in dash panel wiring harness

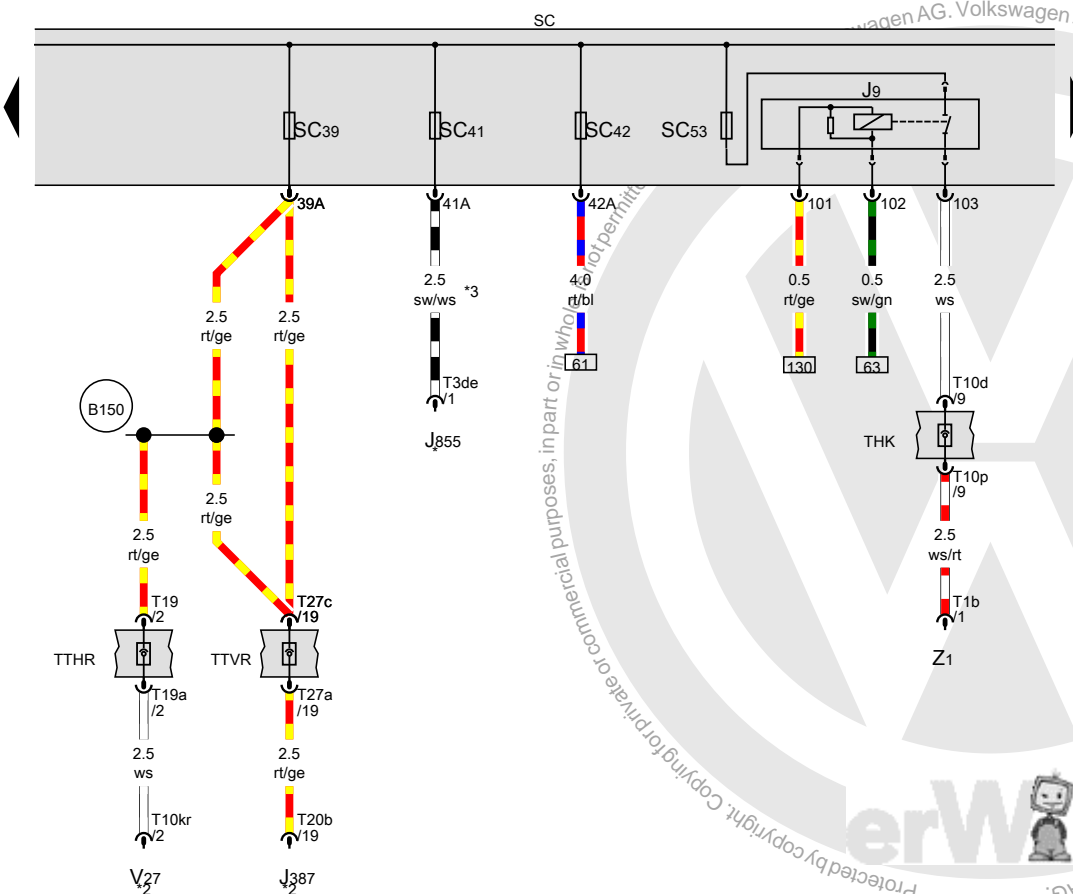
- * According to equipment
- *2 see applicable current flow diagram for towing bracket
- *3 see applicable current flow diagram for airbag
- *4 Only models with equipment for Korea
- *5 Wiring colour depends on equipment
- *6 Cross section depends on equipment
- *7 Up to May 2016
- *8 Only models with no heated steering wheel
- *9 From May 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

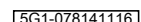


Heated rear window relay, Fuse holder C

- J9 Heated rear window relay
- J387 Front passenger door control unit
- J855 Control unit for front right belt tensioner
- SC Fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T1b 1-pin connector
- T3de 3-pin connector
- T10d 10-pin connector, black
- T10kr 10-pin connector
- T10p 10-pin connector, black
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- THK Coupling point for rear lid
- TTHR Coupling point for rear right door
- TTVR Coupling point for front right door
- V27 Rear right window regulator motor
- Z1 Heated rear window
- B150 Positive connection 2 (30a), in interior wiring harness
- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for convenience system
- *3 Wiring colour depends on equipment



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



EX5	Interior mirror
F4	Reversing light switch
G238	Air quality sensor
J807	Relay for power sockets
J869	Control unit for structure-borne sound
SC	Fuse holder C
SC40	Fuse 40 on fuse holder C
T2cd	2-pin connector
T3ai	3-pin connector
T3aj	3-pin connector
T3as	3-pin connector
T6cu	6-pin connector
T8bg	8-pin connector
T17e	17-pin connector, brown
T17m	17-pin connector, brown
TIUL	Coupling point in interior, below left
U1	Cigarette lighter
U5	12 V socket
U18	12 V socket 2

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- U26 Connection (15), in gearbox switch wiring harness
- * According to equipment
- *2 Factory fitted with power supply from terminal 15
- *3 Power supply via terminal 30 possible

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Terminal 15 voltage supply relay, Fuse holder C

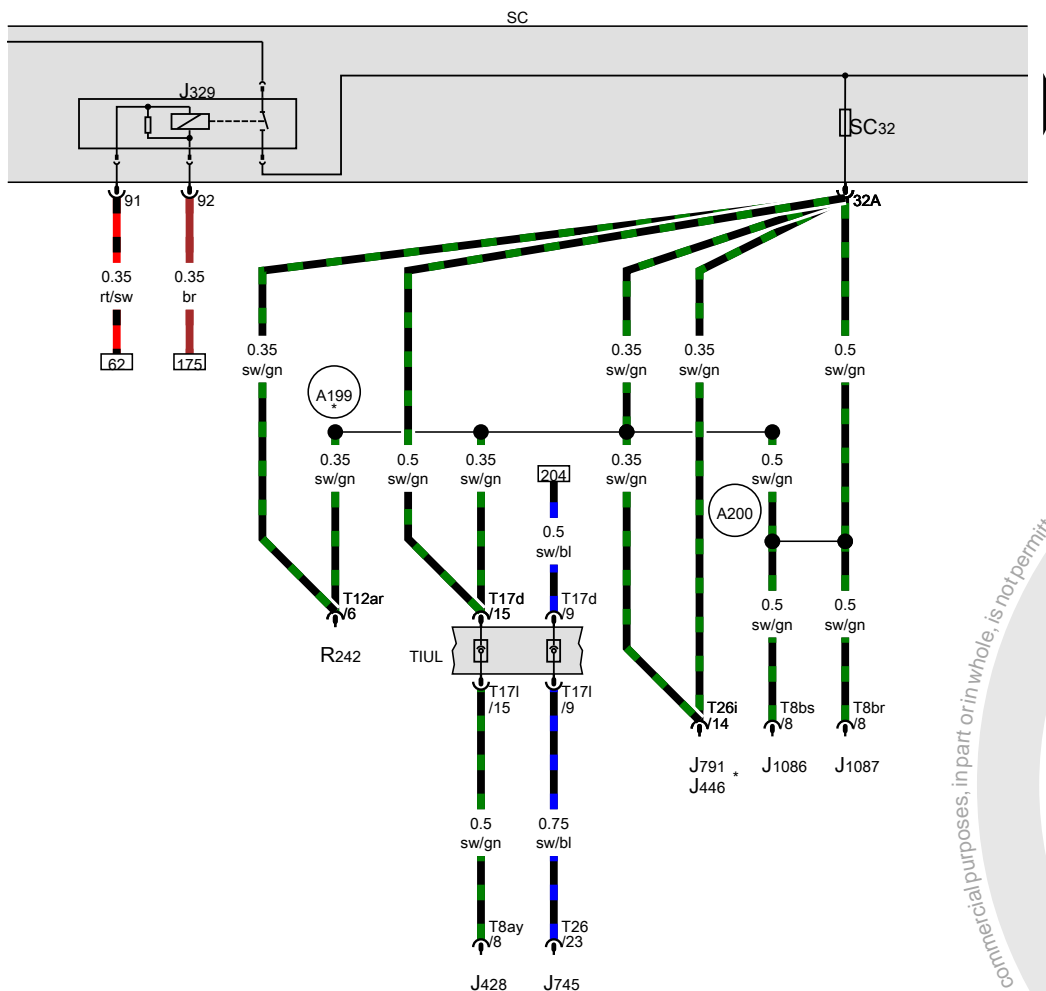
- J329 Terminal 15 voltage supply relay
- J428 Adaptive cruise control unit
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- J791 Park assist steering control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- T8ay 8-pin connector
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T26 26-pin connector
- T26i 26-pin connector
- TIUL Coupling point in interior, below left

A199 Positive connection 4 (15a) in dash panel wiring harness

A200 Positive connection 5 (15a) in dash panel wiring harness

* According to equipment

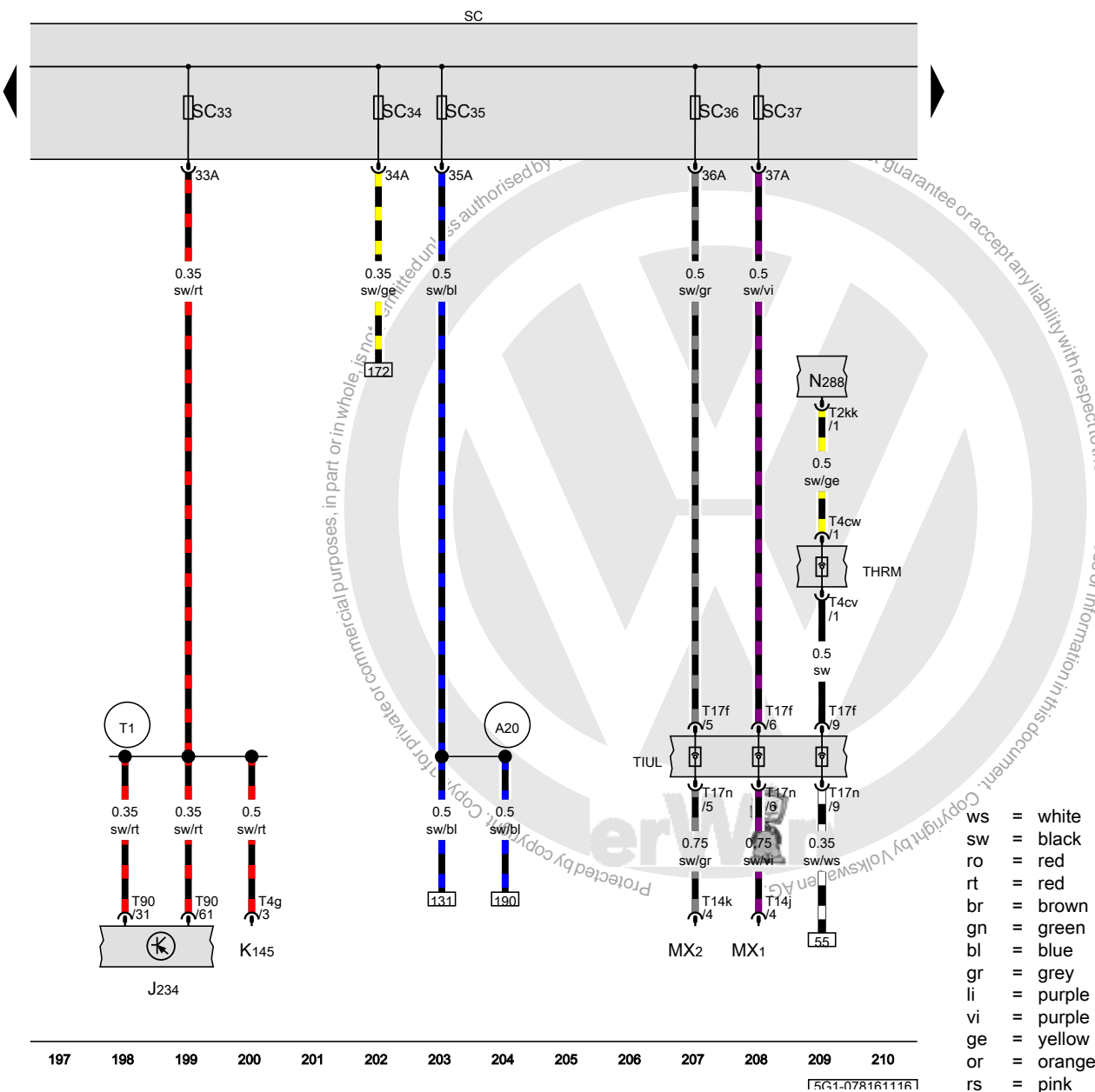
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuse holder C

- J234 Airbag control unit
- K145 Front passenger side airbag deactivated warning lamp
- MX1 Front left headlight
- MX2 Front right headlight
- N288 Fuel tank shut-off valve
- SC Fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T2kk 2-pin connector
- T4cv 4-pin connector, black
- T4cw 4-pin connector, black
- T4g 4-pin connector
- T14j 14-pin connector
- T14k 14-pin connector
- T17f 17-pin connector, black
- T17n 17-pin connector, red
- T90 90-pin connector
- THRM Coupling point in luggage compartment, centre
- TIUL Coupling point in interior, below left

- (A20) Positive connection (15a), in dash panel wiring harness
- (T1) Positive connection 1, in airbag wiring harness



Fuse holder C

- E234 Rear lid handle release button
- R189 Reversing camera
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T4bt 4-pin connector
- T4dc 4-pin connector
- T4u 4-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- THK Coupling point for rear lid
- V12 Rear window wiper motor

B610 Connection 6, in interior wiring harness

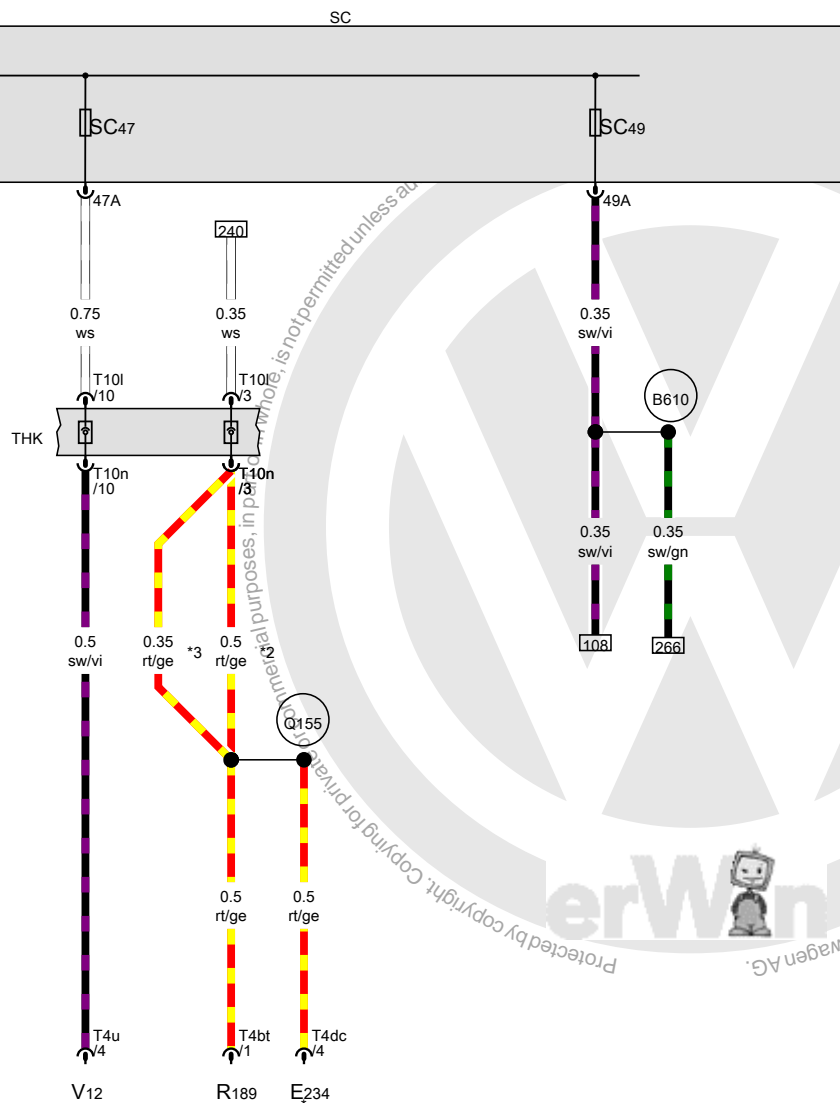
Q155 Connection (30a), in rear lid wiring harness

* Only models with reversing camera system

*2 Up to May 2015

*3 From May 2015

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



211 212 213 214 215 216 217 218 219 220 221 222 223 224

[5G1-078171116]

Fuse holder C

- A5 Voltage converter for USB charge module, under centre console
- D8 Chip card reader
- J764 Control unit for electronic steering column lock
- J949 Emergency call module control unit and communication unit
- J984 Two-way signal amplifier for mobile telephone/data services
- KX2 Dash panel insert
- R265 Storage compartment with interface for mobile telephone
- R293 USB hub, under centre console
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4h 4-pin connector
- T4t 4-pin connector
- T6cs 6-pin connector
- T10lh 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector
- T26a 26-pin connector
- TI Coupling point in interior, in centre console

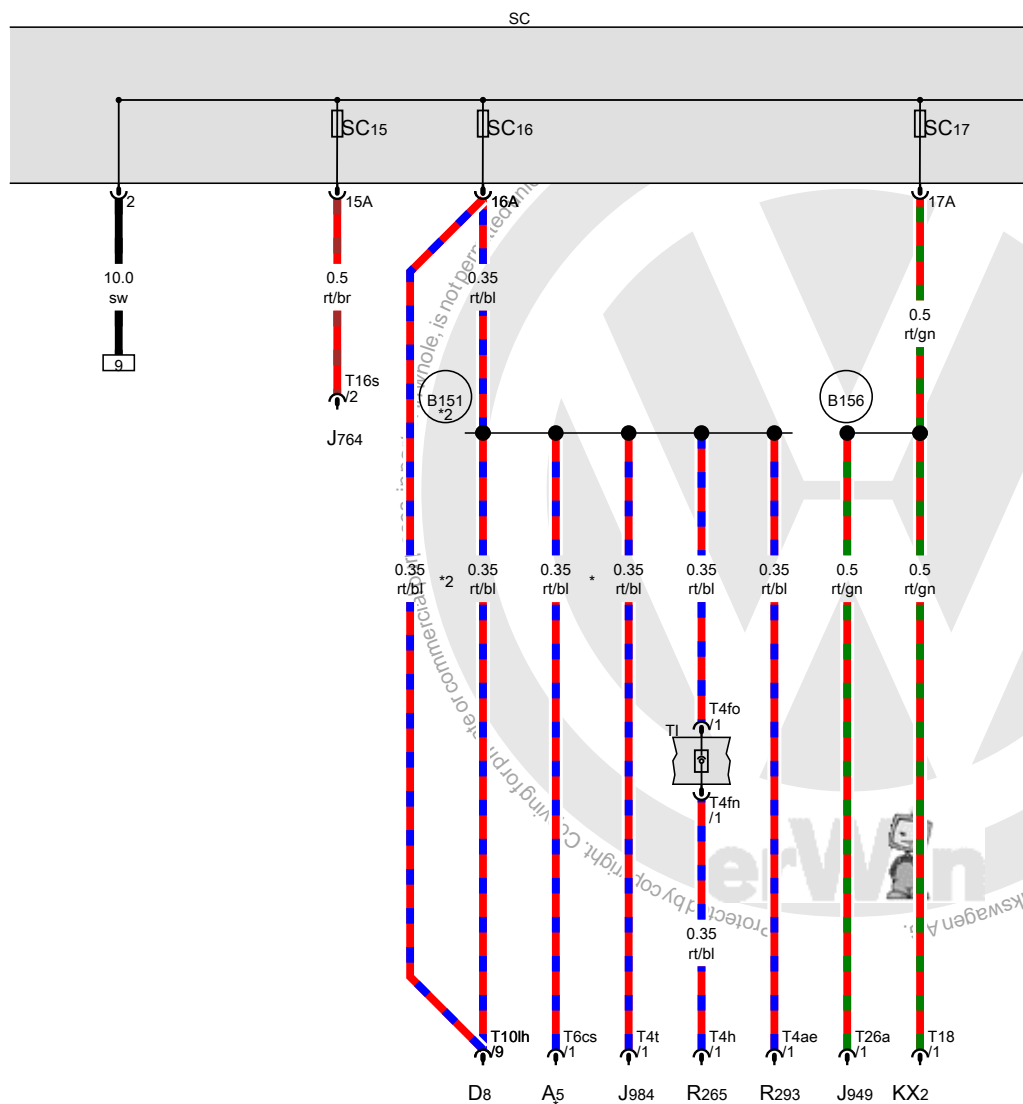
B151 Positive connection 3 (30a), in interior wiring harness

B156 Positive connection (30a), in interior wiring harness

* Up to November 2015

*2 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



225 226 227 228 229 230 231 232 233 234 235 236 237 238

[5G1-078181116]

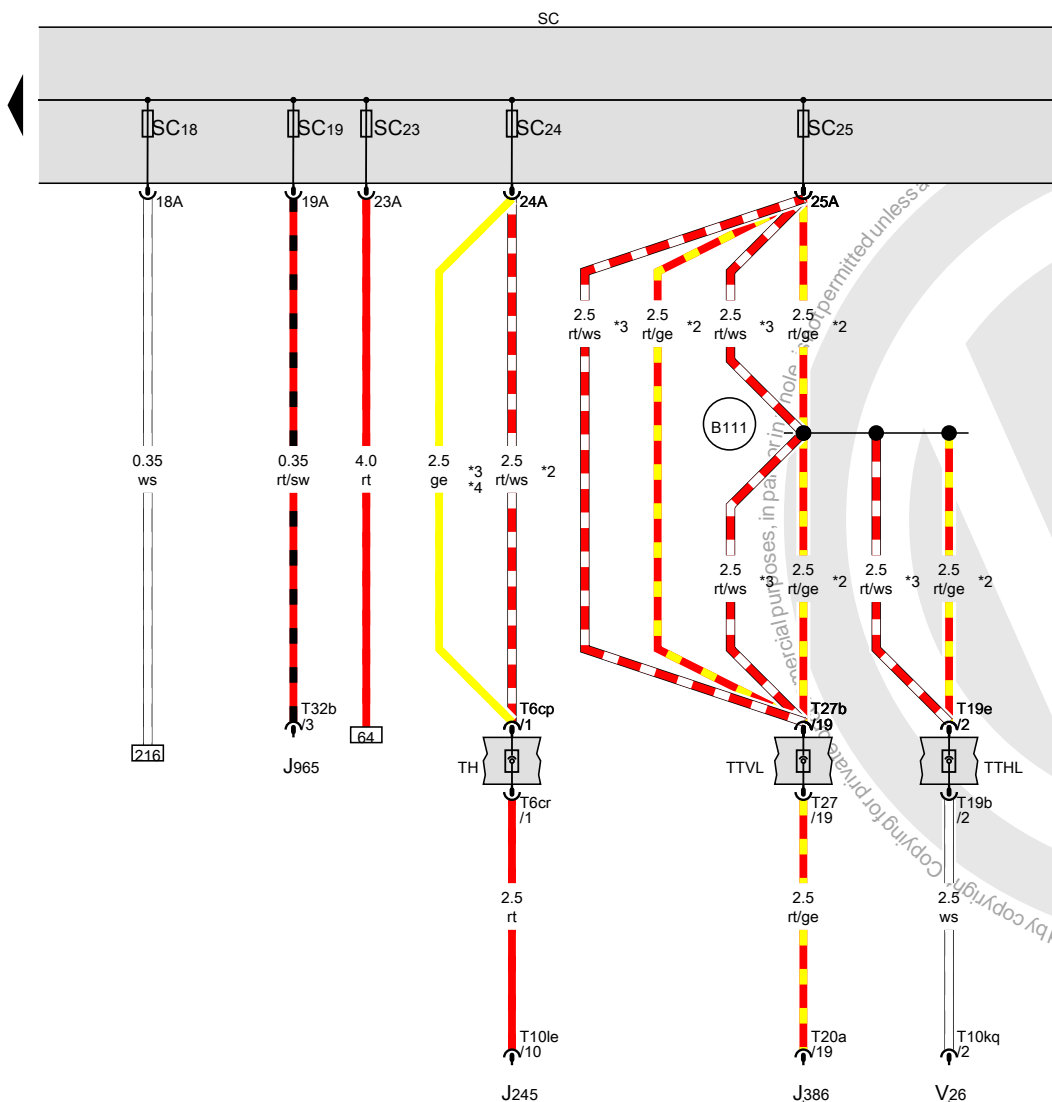
Fuse holder C

- J245 Sliding sunroof adjustment control unit
- J386 Driver door control unit
- J965 Interface for entry and start system
- SC Fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T10kq 10-pin connector
- T10le 10-pin connector
- T19b 19-pin connector, black
- T19e 19-pin connector, black
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32b 32-pin connector
- TH Coupling point for roof
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- V26 Rear left window regulator motor

B111 Positive connection 1 (30a), in interior wiring harness

- * see applicable current flow diagram for convenience system
- *2 Up to November 2015
- *3 From November 2015
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

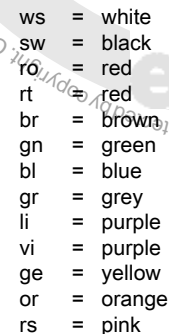


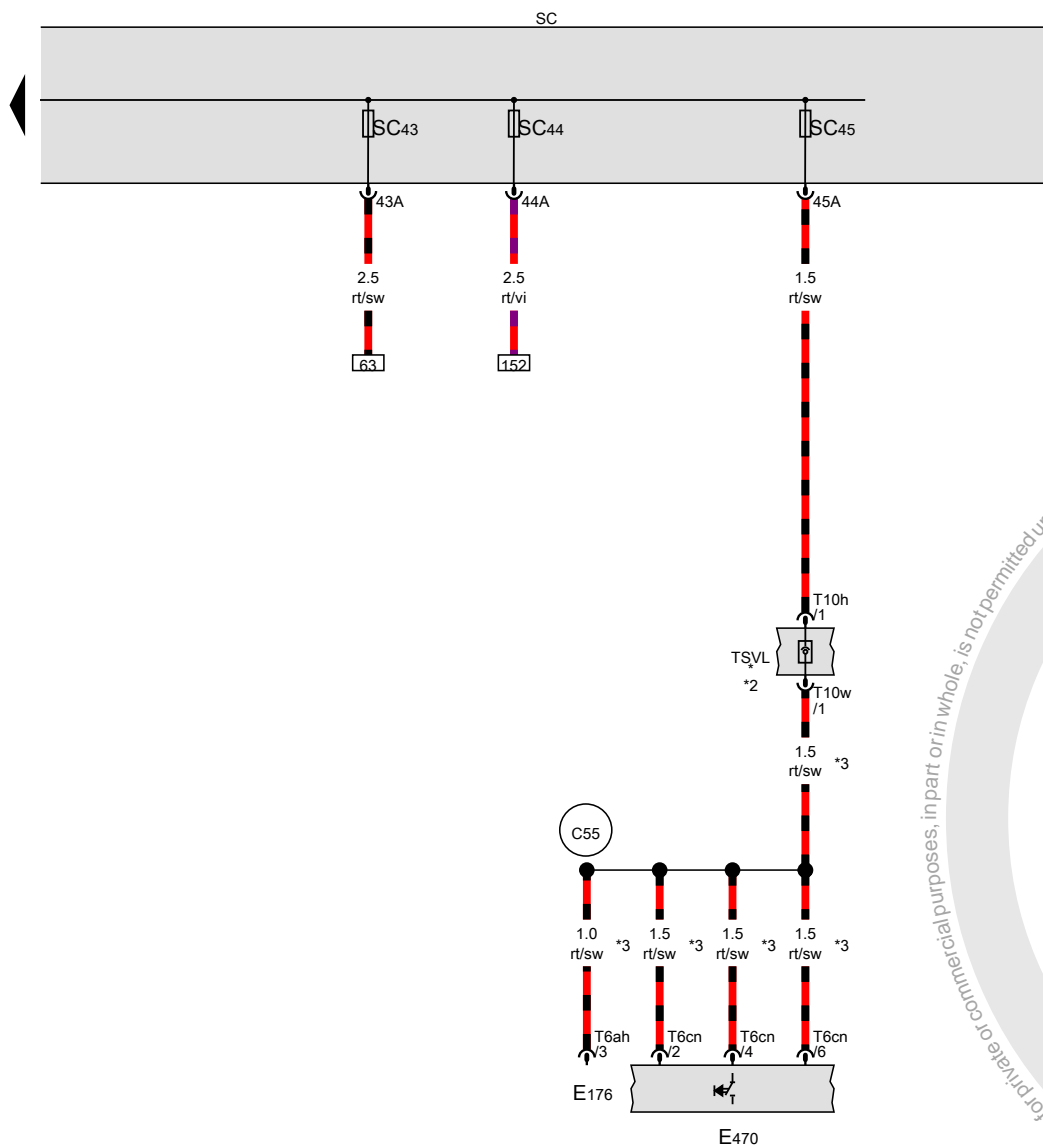
239 240 241 242 243 244 245 246 247 248 249 250 251 252

15G1-078191116

AX2	High-voltage battery 1
J525	Digital sound package control unit
SC	Fuse holder C
SC26	Fuse 26 on fuse holder C
SC27	Fuse 27 on fuse holder C
SC28	Fuse 28 on fuse holder C
SC30	Fuse 30 on fuse holder C
T14b	14-pin connector
T14x	14-pin connector
T14y	14-pin connector
T38	38-pin connector
THRM	Coupling point in luggage compartment, centre

* Up to November 2015
*2 From November 2015





Fuse holder C

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- SC Fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T6ah 6-pin connector
- T6cn 6-pin connector
- T10h 10-pin connector, black
- T10w 10-pin connector, black
- TSVL Coupling point for front left seat
- C55 Positive connection (30a), in front left wiring harness

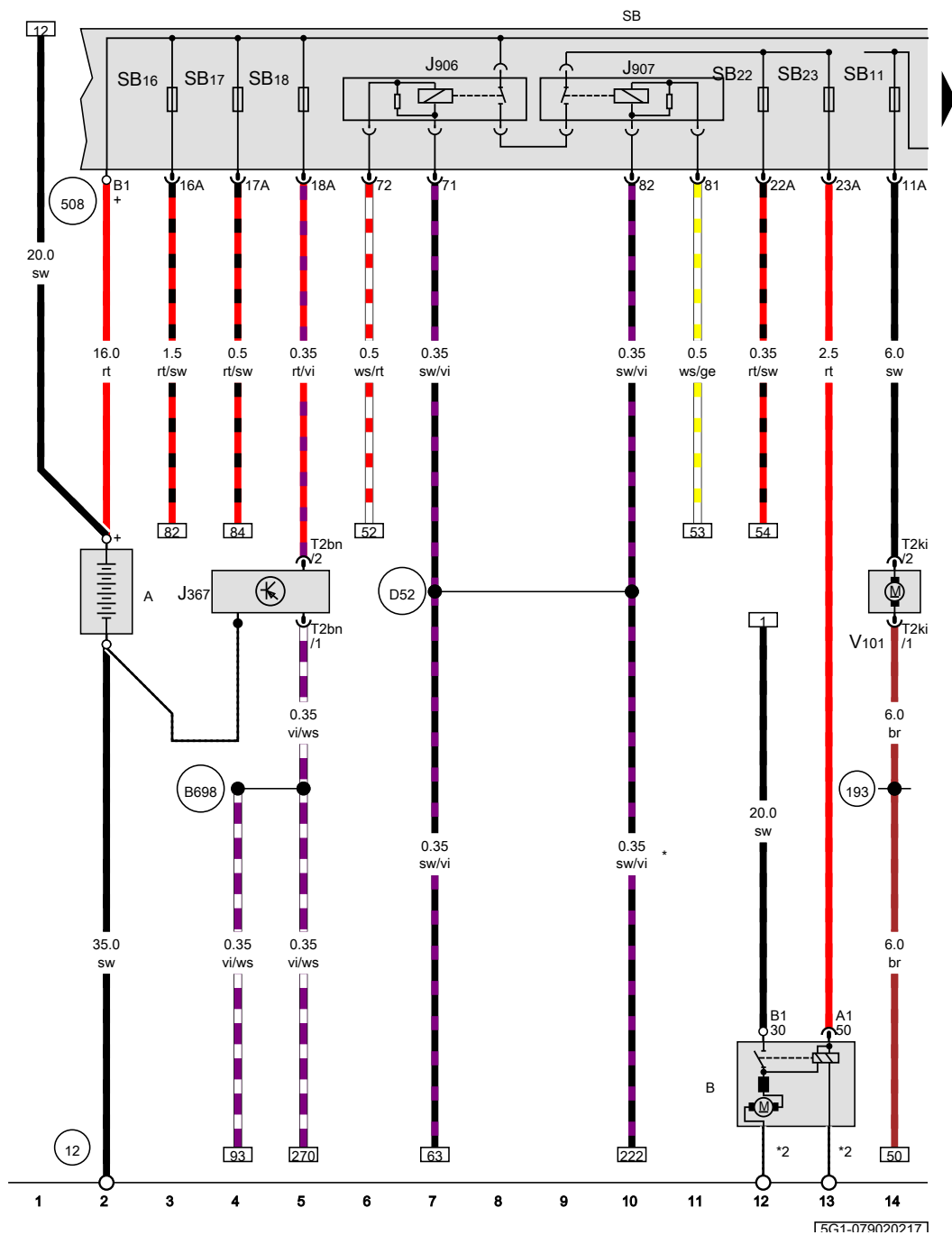
- * Left-hand drive models
- *2 see applicable current flow diagram
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = violet
- ge = yellow
- or = orange
- rs = pink

2.0l petrol engine , CYFB

From November 2014



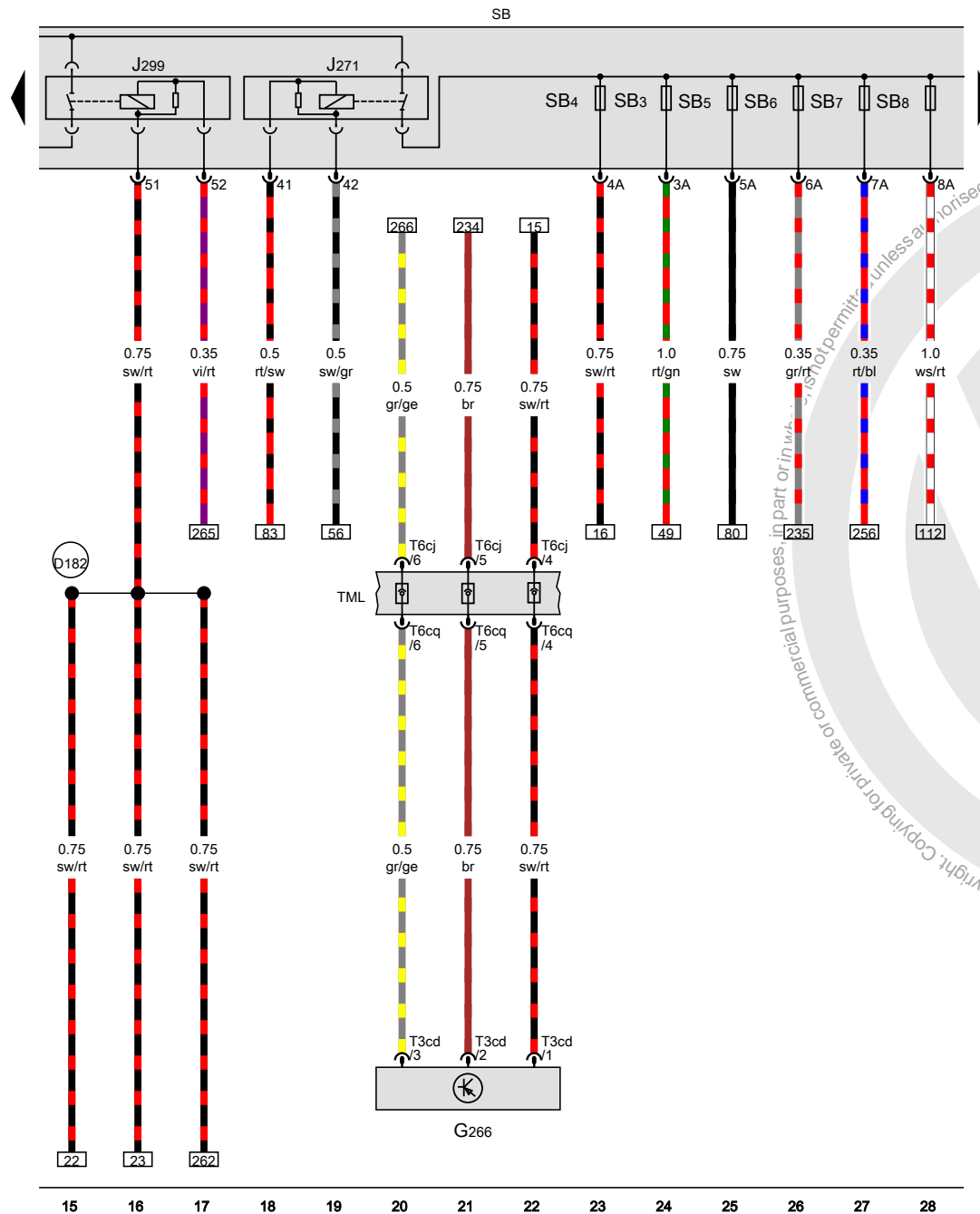


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T2ki 2-pin connector
- V101 Secondary air pump motor

- 12 Earth point, on left in engine compartment
- 193 Earth connection 1, in coolant fan wiring harness
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Earth supply via housing

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

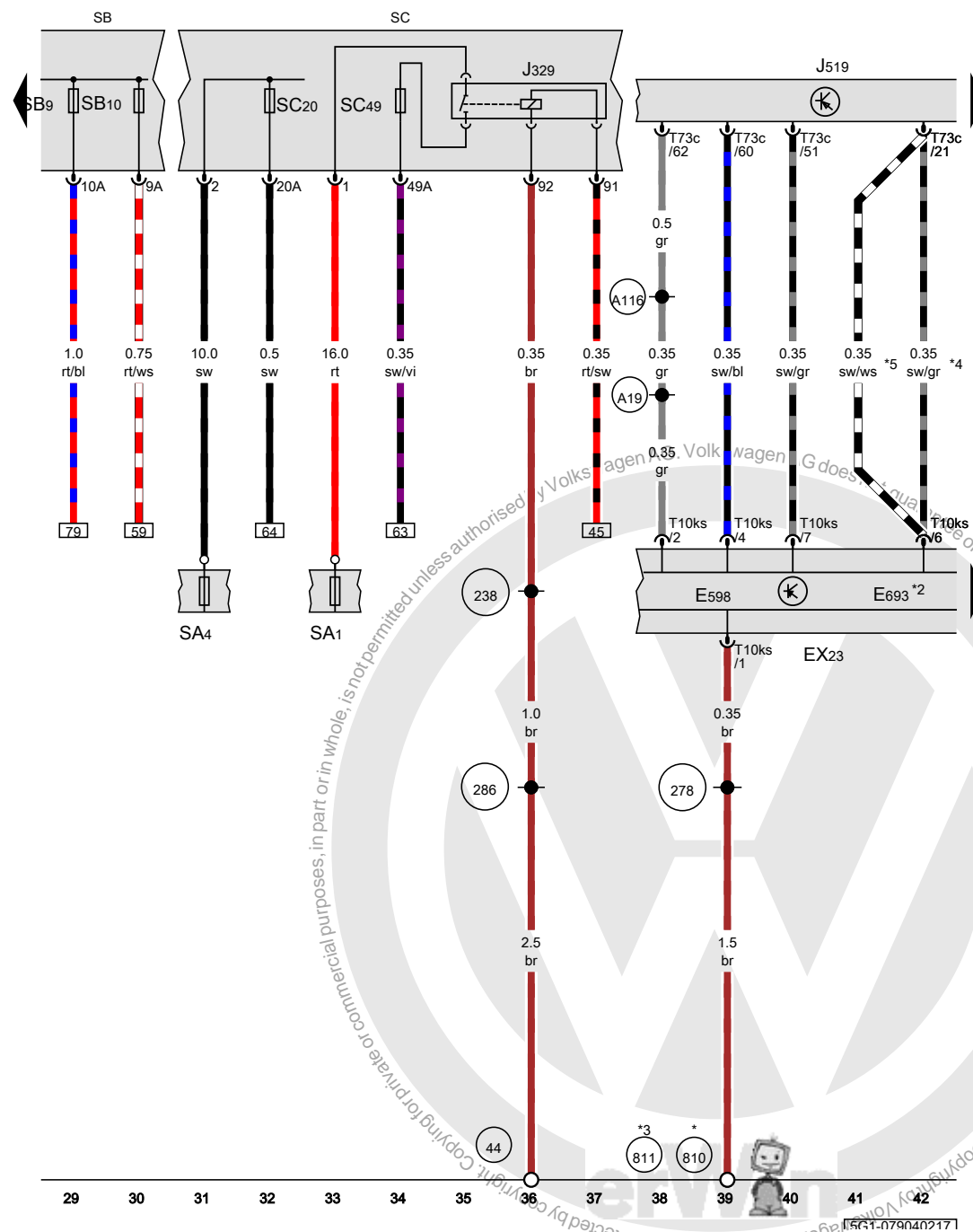


Oil level and oil temperature sender, Main relay, Secondary air pump relay, Fuse holder B

- G266 Oil level and oil temperature sender
- J271 Main relay
- J299 Secondary air pump relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- TML Coupling point in engine compartment, left

D182 Connection 3 (87a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

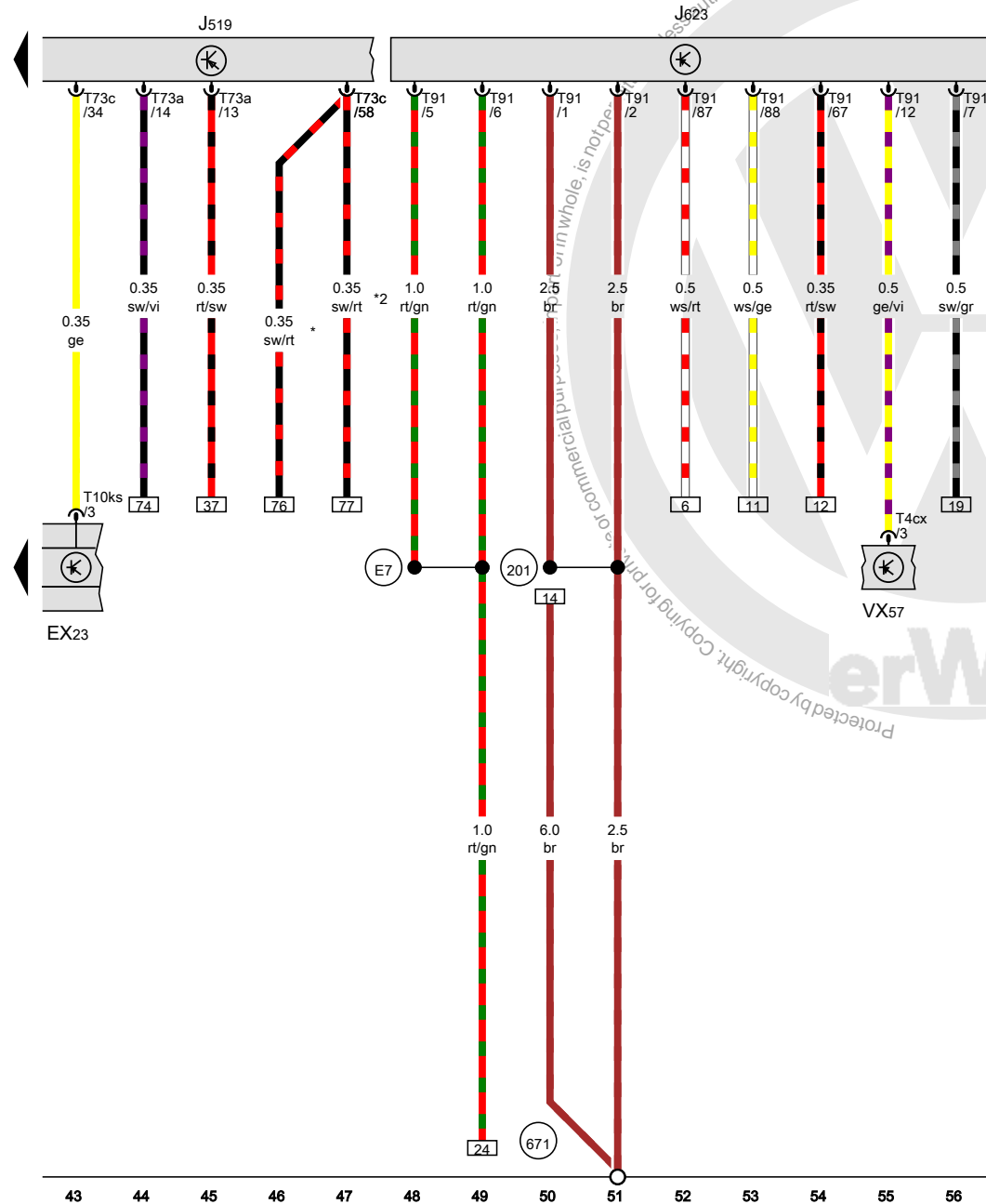


Switch module 1 in centre console, Driving program button, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E693 Start/Stop operation button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SB Fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only left-hand drive models
- *2 Only models with start/stop system
- *3 Only right-hand drive models
- *4 Up to May 2015
- *5 From May 2015

Switch module 1 in centre console, Onboard supply control unit, Engine control unit



- EX23 Switch module 1 in centre console
- J519 Onboard supply control unit
- J623 Engine control unit
- T4cx 4-pin connector
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- T91 91-pin connector
- VX57 Radiator fan

201 Earth connection 5, in engine compartment wiring harness

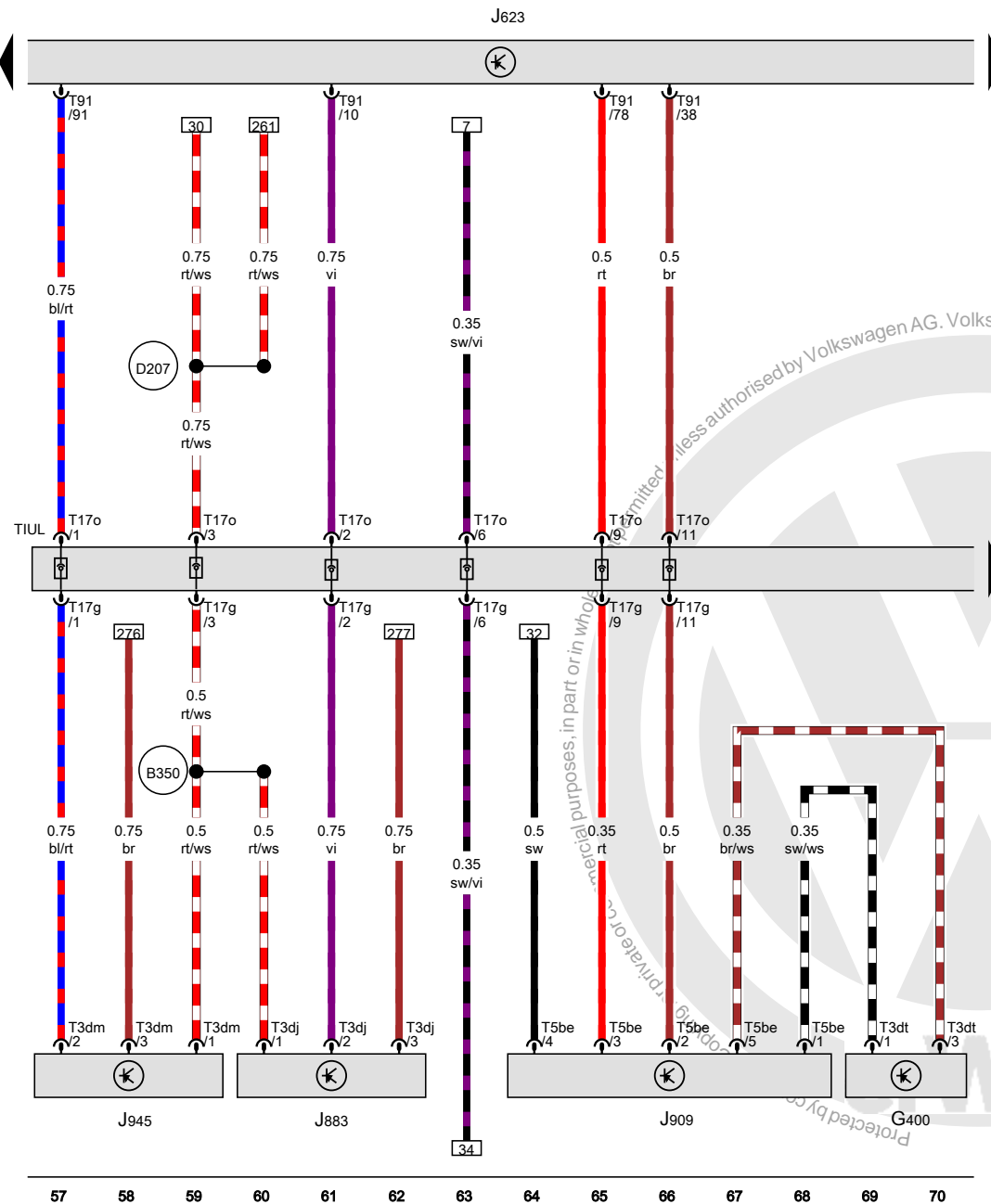
671 Earth point 1, on front of left longitudinal member

E7 Connection (87a), in Motronic wiring harness

* Only models with towing bracket

*2 Only models with no towing bracket

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



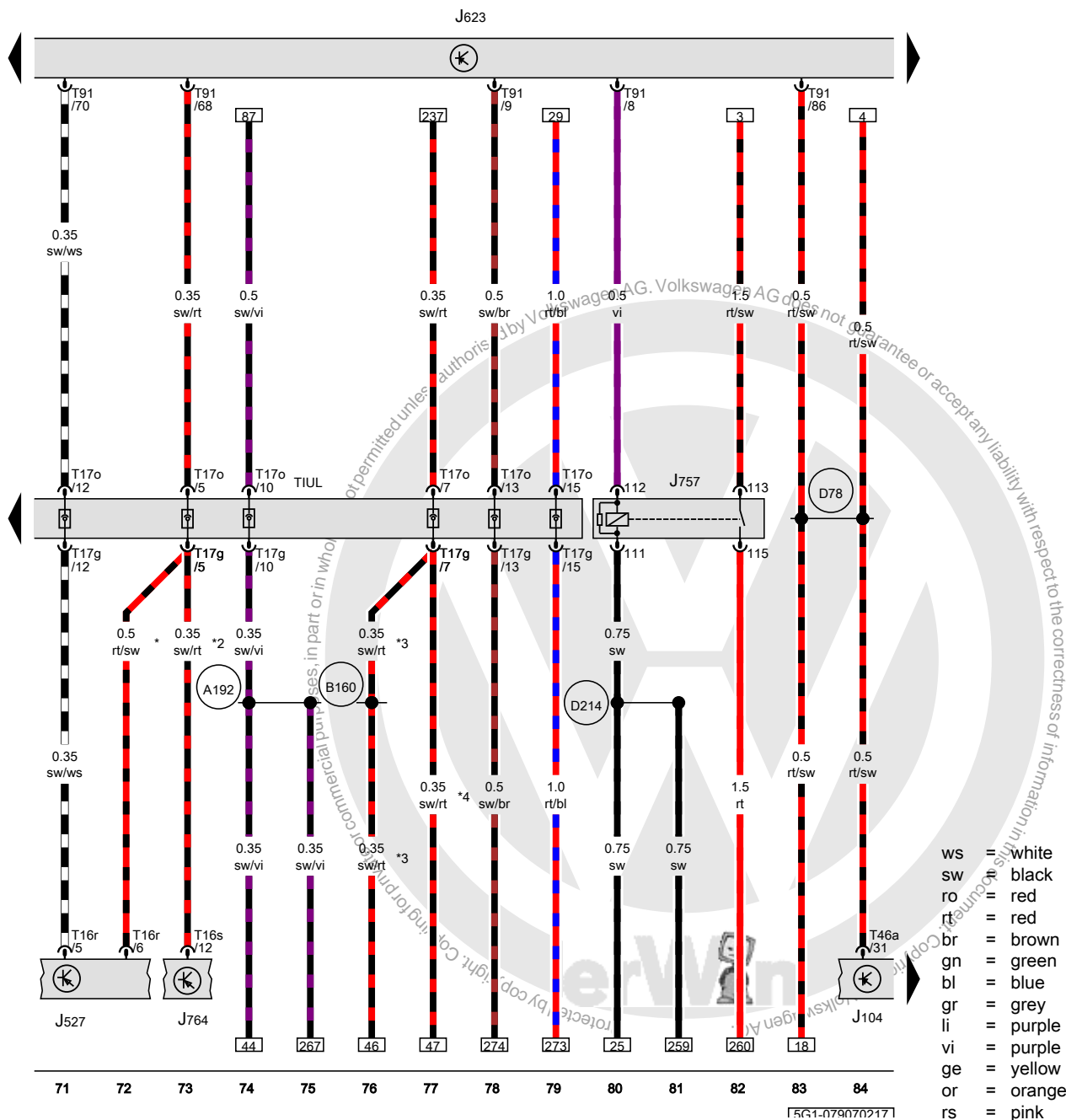
Engine control unit, Exhaust flap control unit, Exhaust flap control unit 2

- G400 Tank pressure sensor
- J623 Engine control unit
- J883 Exhaust flap control unit
- J909 Control unit for fuel tank leak detection
- J945 Exhaust flap control unit 2
- T3dj 3-pin connector
- T3dm 3-pin connector
- T3dt 3-pin connector
- T5be 5-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector
- TIUL Coupling point in interior, below left

- B350 Positive connection 1 (87a) in main wiring harness
- D207 Connection 7 (87a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15G1-0790602171



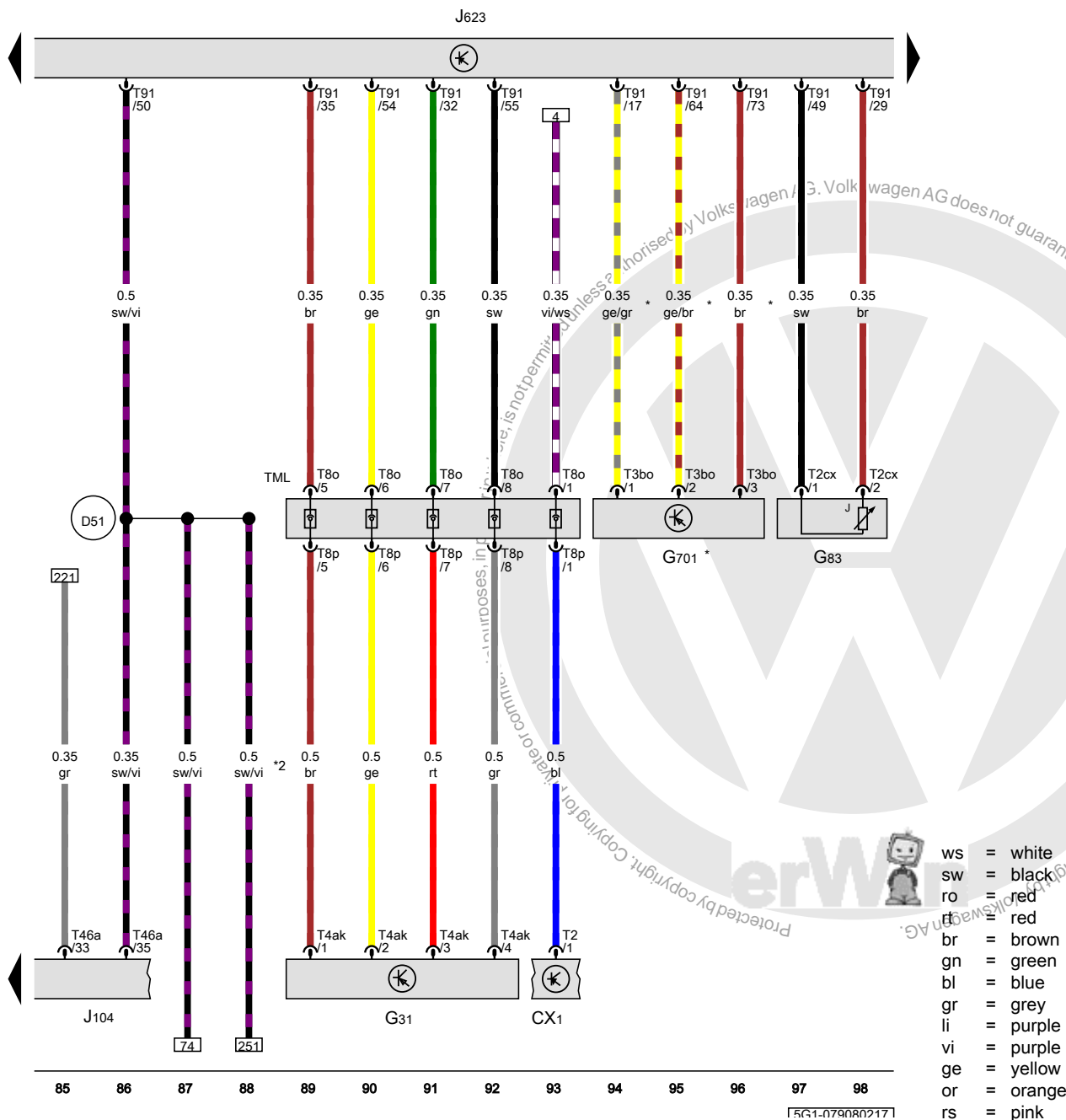
ABS control unit, Steering column electronics control unit, Engine control unit, Engine component current supply relay, Control unit for electronic steering column lock

- J104 ABS control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- J757 Engine component current supply relay, in E-box in engine compartment
- J764 Control unit for electronic steering column lock
- T16r 16-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T46a 46-pin connector
- T91 91-pin connector
- TIUL Coupling point in interior, below left

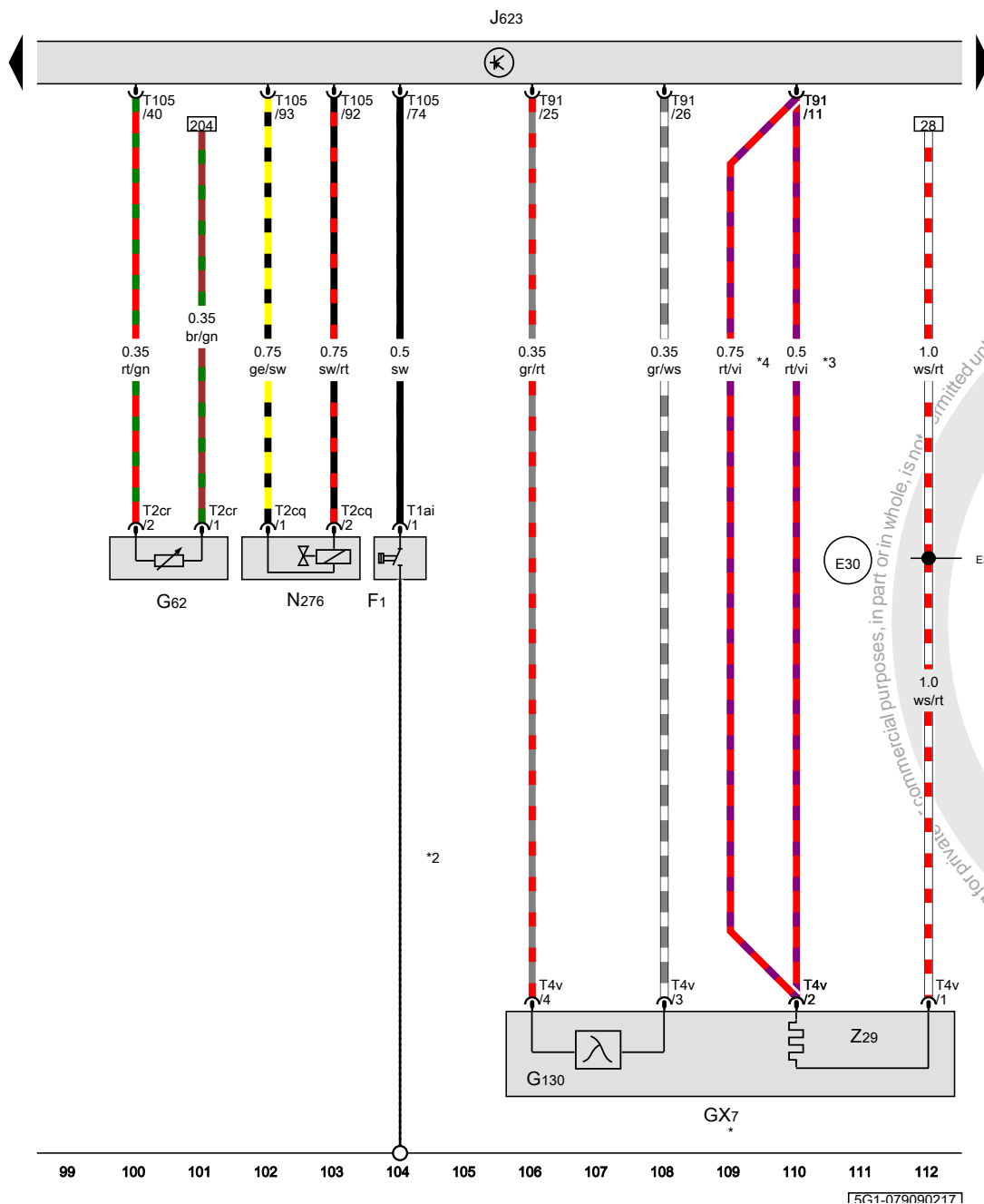
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- * Only models with no entry and start authorisation
- *2 Only models with entry and start authorisation
- *3 Only models with towing bracket
- *4 Only models with no towing bracket

Alternator with voltage regulator, Charge pressure sender, Radiator outlet coolant temperature sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- | | |
|------|--|
| CX1 | Alternator with voltage regulator |
| G31 | Charge pressure sender |
| G83 | Radiator outlet coolant temperature sender |
| G701 | Gearbox neutral position sender |
| J104 | ABS control unit |
| J623 | Engine control unit |
| T2 | 2-pin connector |
| T2cx | 2-pin connector |
| T3bo | 3-pin connector |
| T4ak | 4-pin connector |
| T8o | 8-pin connector, black |
| T8p | 8-pin connector, black |
| T46a | 46-pin connector |
| T91 | 91-pin connector |
| TML | Coupling point in engine compartment, left |
| D51 | Positive connection 1 (15), in engine compartment wiring harness |
| * | Only models with manual gearbox |
| *2 | Only models with automatic gearbox |



ws	=	white
sw	=	black
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gn	=	green
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rs	=	pink



Oil pressure switch, Lambda probe 1 after catalytic converter, Coolant temperature sender, Engine control unit, Fuel pressure regulating valve

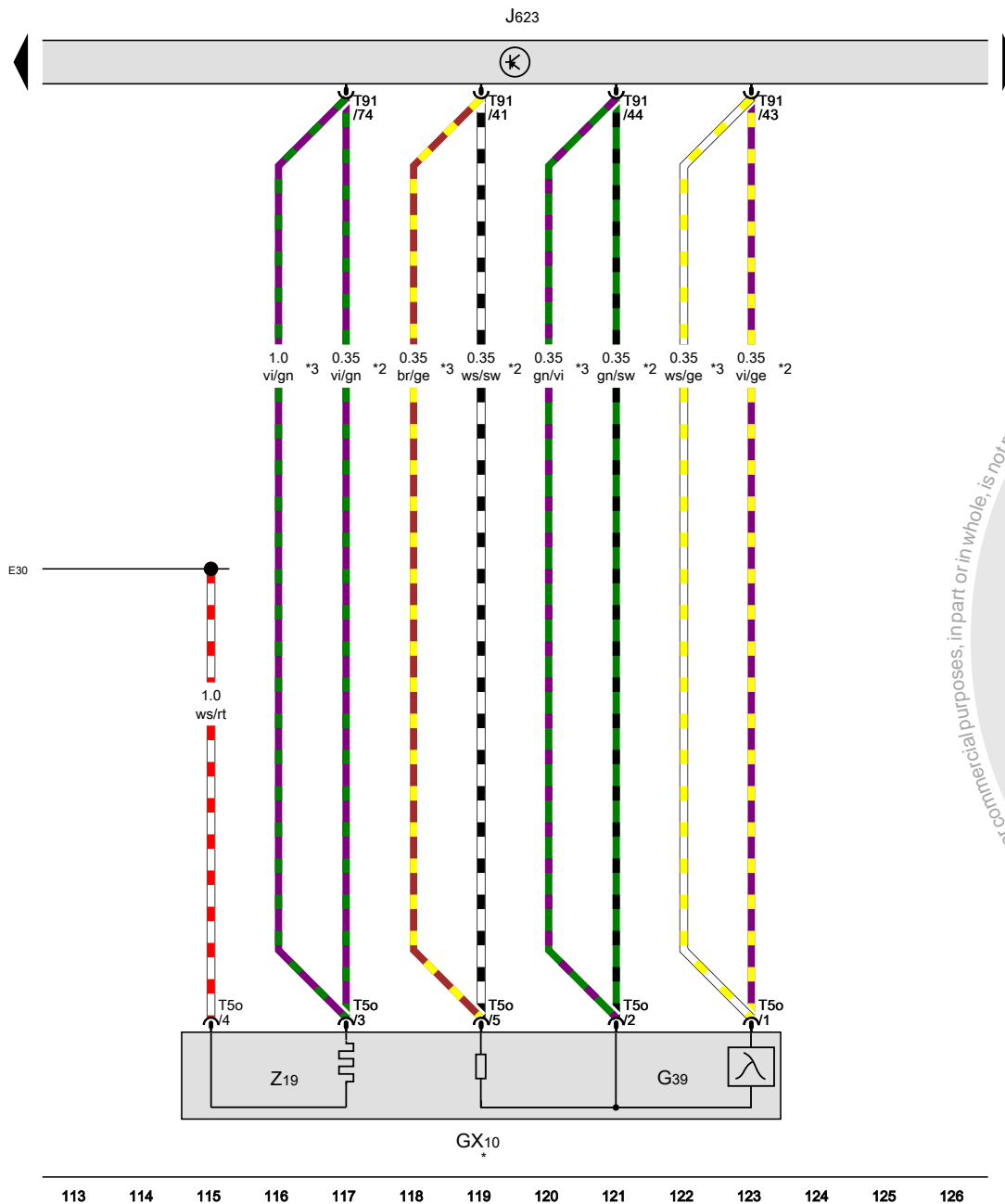
- F1 Oil pressure switch
- GX7 Lambda probe 1 after catalytic converter
- G62 Coolant temperature sender
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- T1ai 1-pin connector
- T2cq 2-pin connector, black
- T2cr 2-pin connector, yellow
- T4v 4-pin connector
- T91 91-pin connector
- T105 105-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

- * Pre-wired component
- *2 Earth supply via housing
- *3 Up to May 2015
- *4 From May 2015

- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

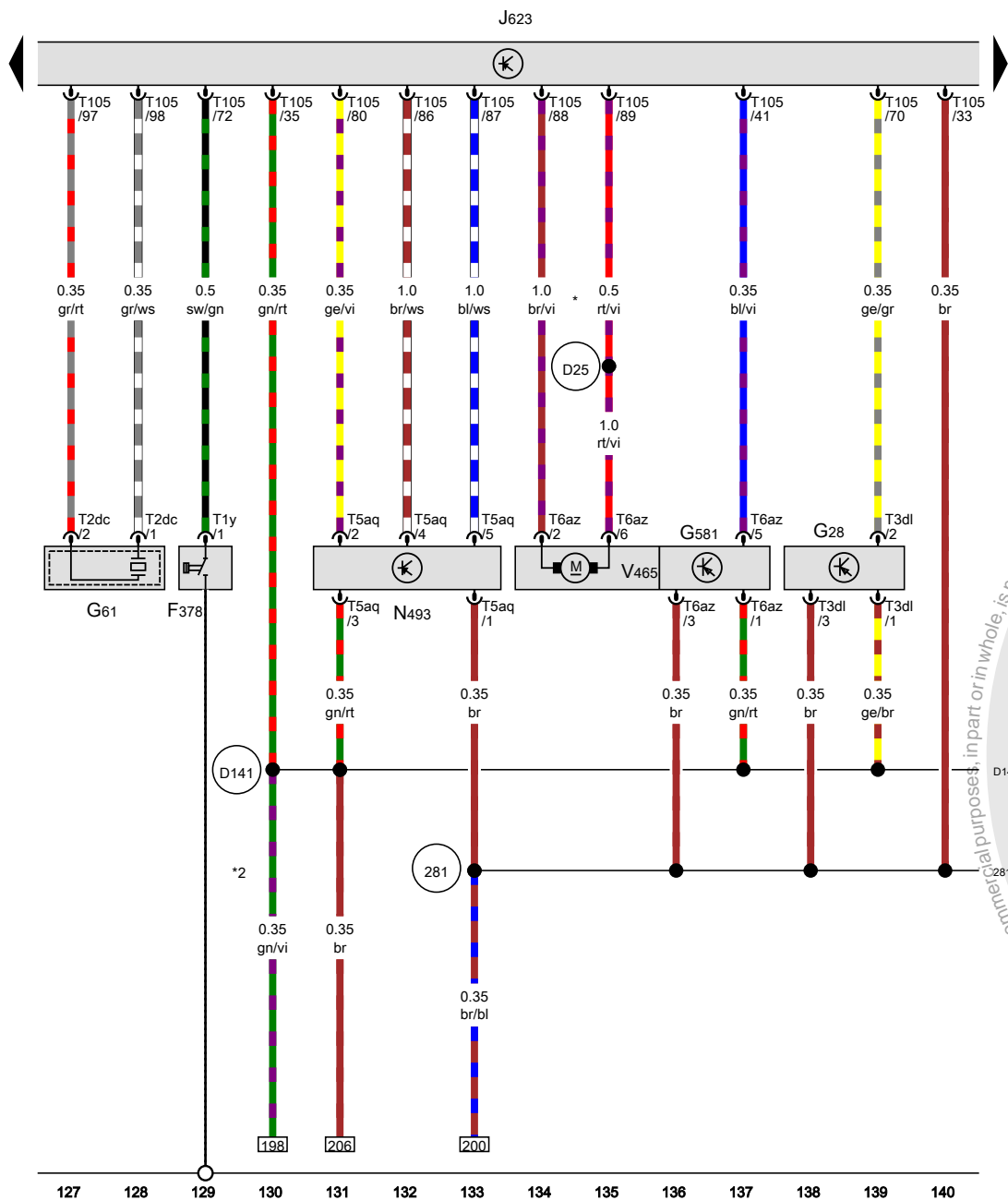
Lambda probe 1 before catalytic converter, Engine control unit



- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T50 5-pin connector
- T91 91-pin connector
- Z19 Lambda probe heater

- E30 Connection (87a), in engine wiring harness
- * Pre-wired component
- *2 Up to May 2015
- *3 From May 2015

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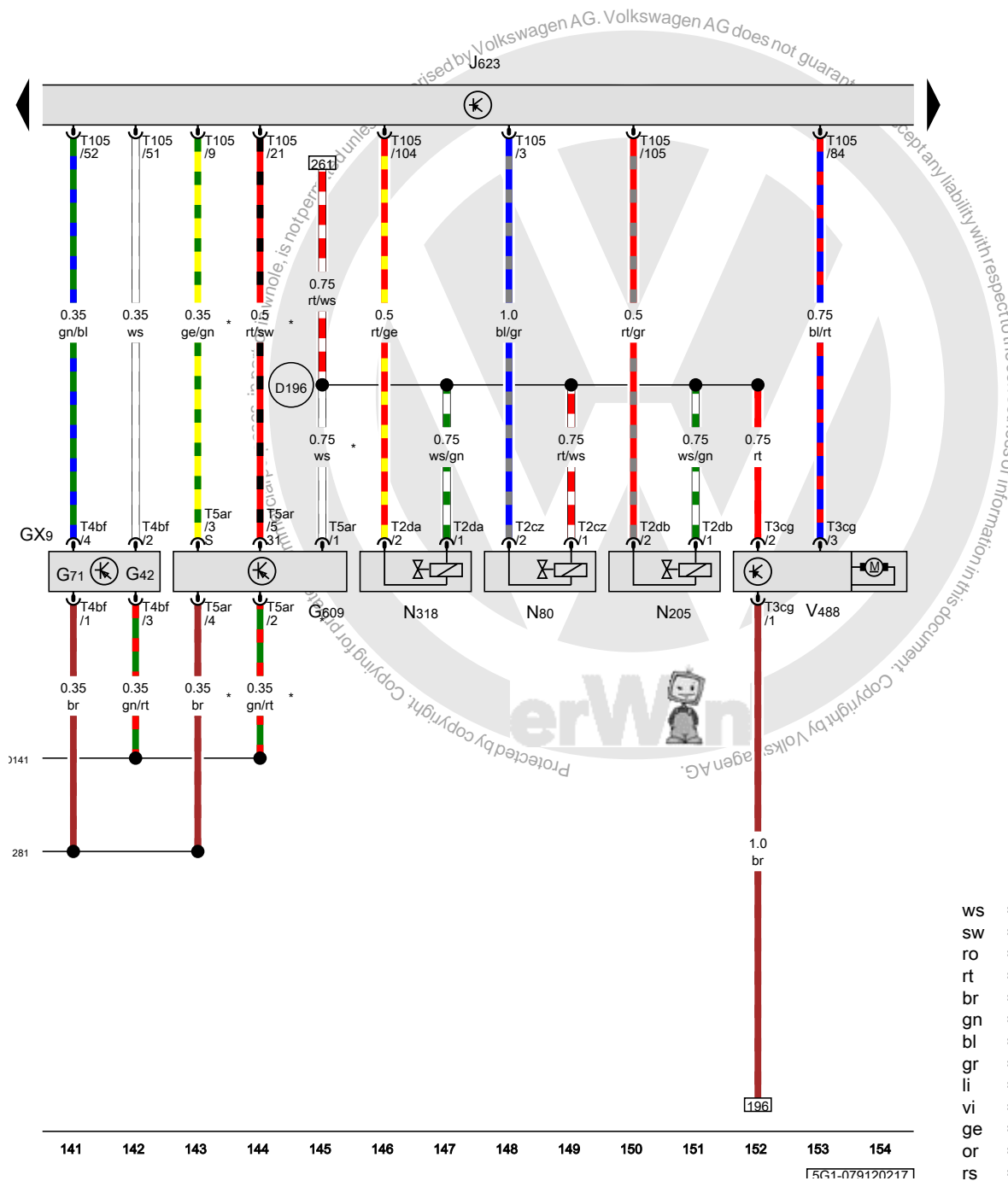


Oil pressure switch for reduced oil pressure, Engine speed sender, Knock sensor 1, Position sender for charge pressure positioner, Engine control unit, Actuator for engine temperature regulation, Charge pressure positioner

- F378 Oil pressure switch for reduced oil pressure
- G28 Engine speed sender
- G61 Knock sensor 1
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N493 Actuator for engine temperature regulation
- T1y 1-pin connector
- T2dc 2-pin connector, yellow
- T3dl 3-pin connector
- T5aq 5-pin connector, grey
- T6az 6-pin connector
- T105 105-pin connector
- V465 Charge pressure positioner

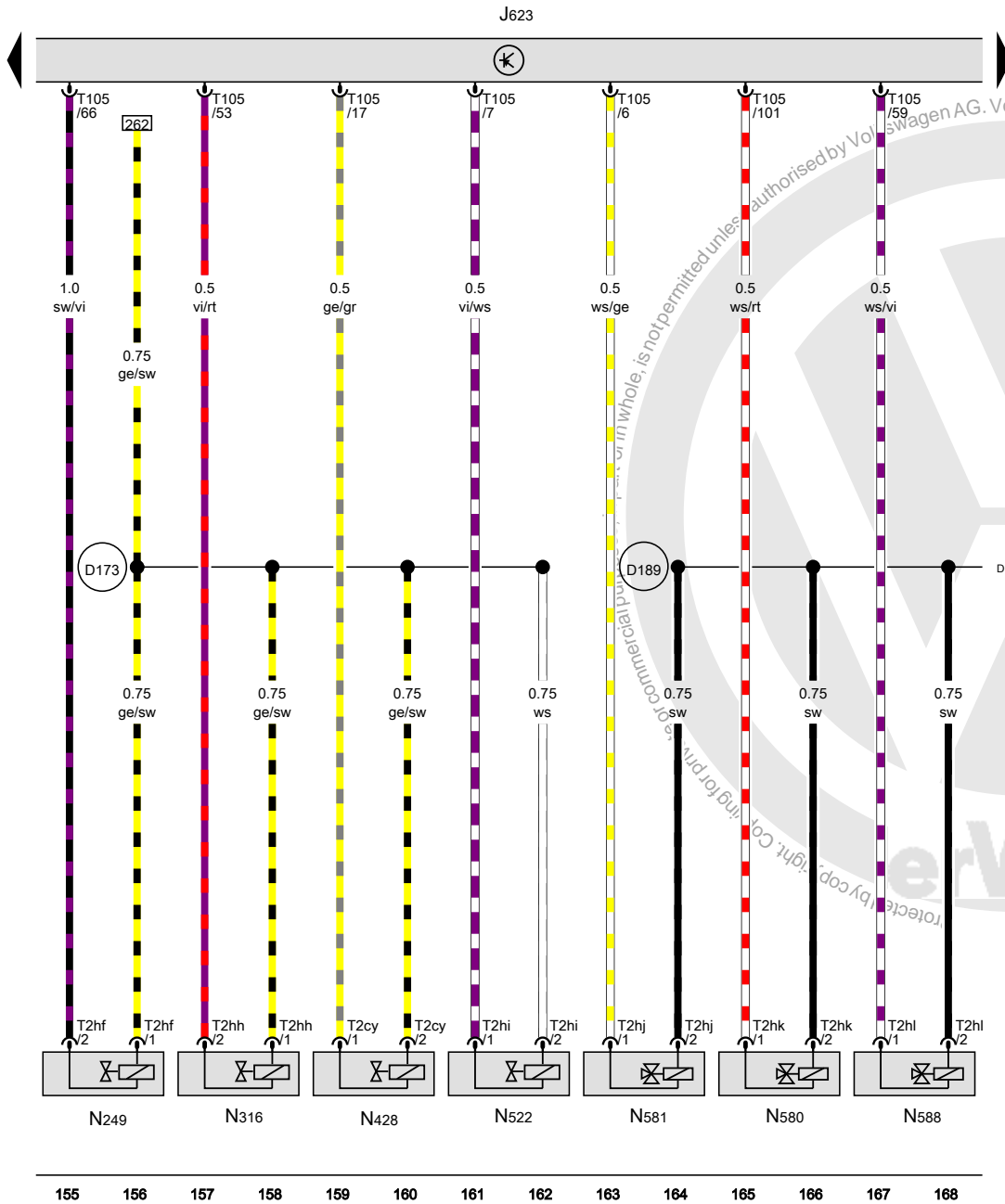
- 281 Earth point 1, engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- * Only models with Euro 6 plus emission standard
- *2 Earth supply via housing

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Intake manifold pressure sender, Sender 1 for secondary air pressure, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Auxiliary pump for heating

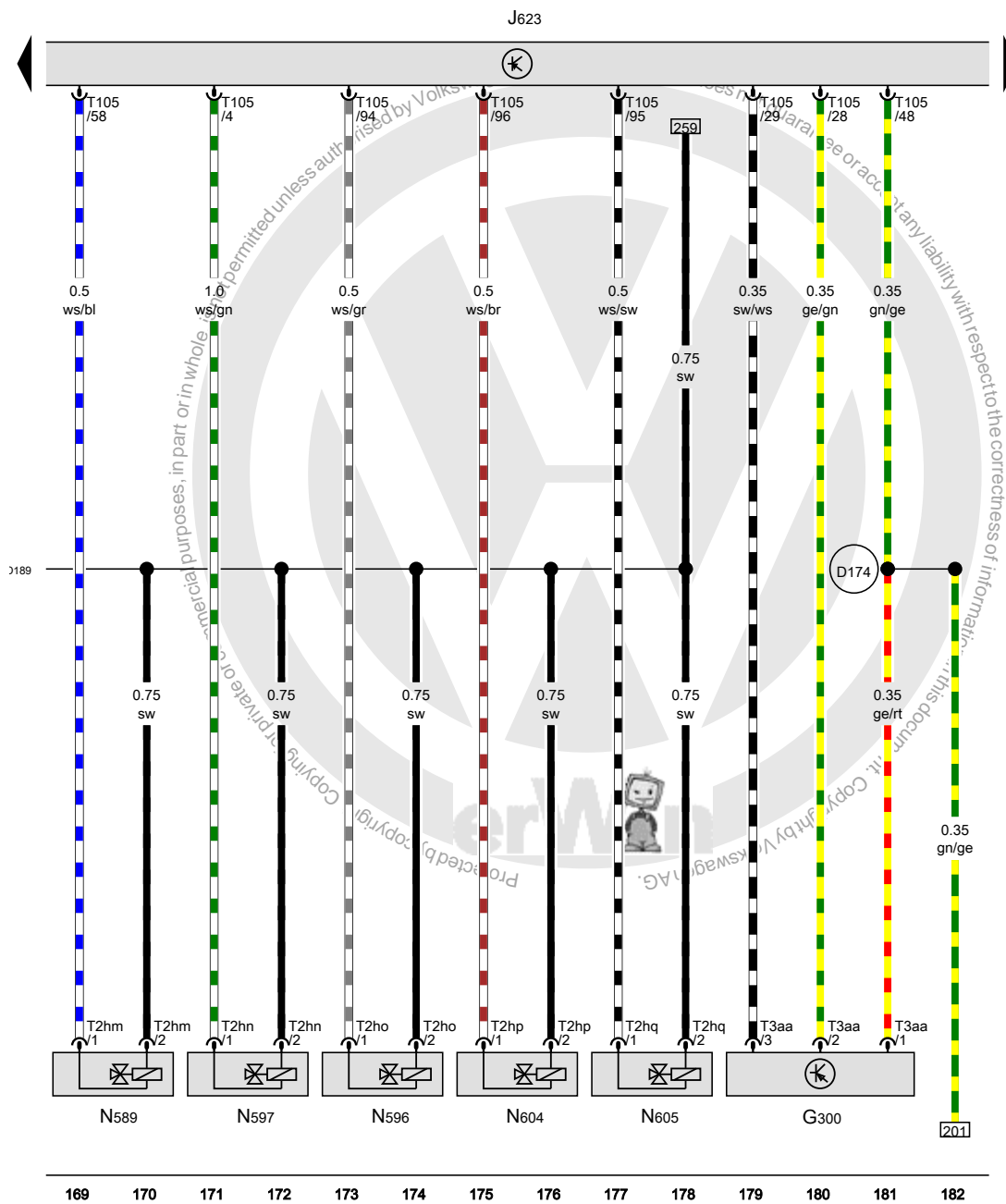
- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- T2cz 2-pin connector, yellow
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3cg 3-pin connector
- T4bf 4-pin connector
- T5ar 5-pin connector
- T105 105-pin connector
- V488 Auxiliary pump for heating
- 281 Earth point 1, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * Only models with SULEV emission standard



Engine control unit, Turbocharger air recirculation valve, Intake manifold flap valve, Valve for oil pressure control, Piston cooling jet control valve, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2

- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- T2cy 2-pin connector, black
- T2hf 2-pin connector, black
- T2hh 2-pin connector, black
- T2hi 2-pin connector, black
- T2hj 2-pin connector, yellow
- T2hk 2-pin connector, black
- T2hl 2-pin connector, yellow
- T105 105-pin connector
- D173 Connection (87), in engine prewiring harness
- D189 Connection (87a) in engine prewiring harness

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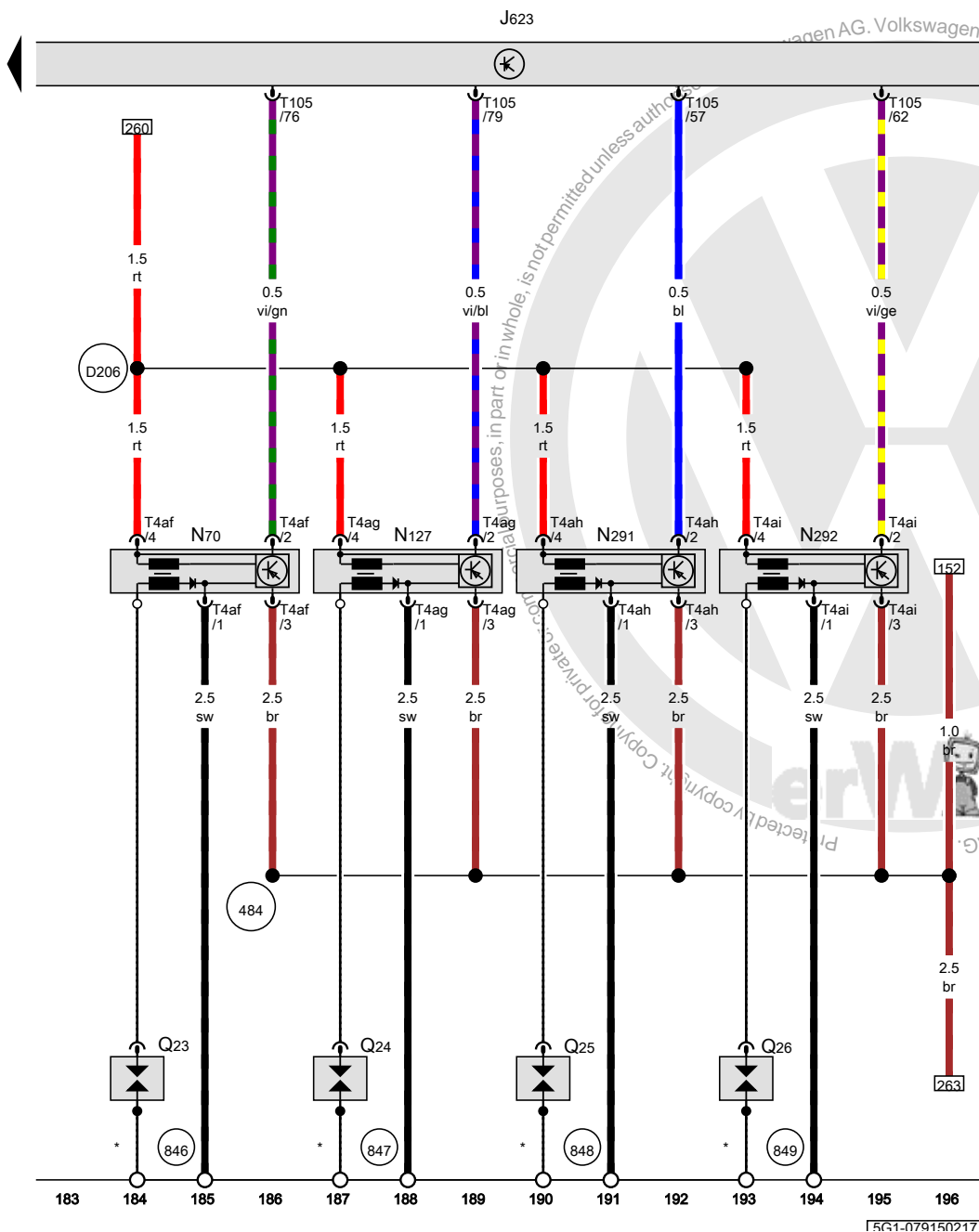
Hall sender 3, Engine control unit, Exhaust cam actuator B for cylinder 2, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3, Exhaust cam actuator A for cylinder 4, Exhaust cam actuator B for cylinder 4

- G300 Hall sender 3
- J623 Engine control unit
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hm 2-pin connector, black
- T2hn 2-pin connector, yellow
- T2ho 2-pin connector, black
- T2hp 2-pin connector, yellow
- T2hq 2-pin connector, yellow
- T3aa 3-pin connector
- T105 105-pin connector

D174 Connection 2 (5V) in engine prewiring harness

D189 Connection (87a) in engine prewiring harness

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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

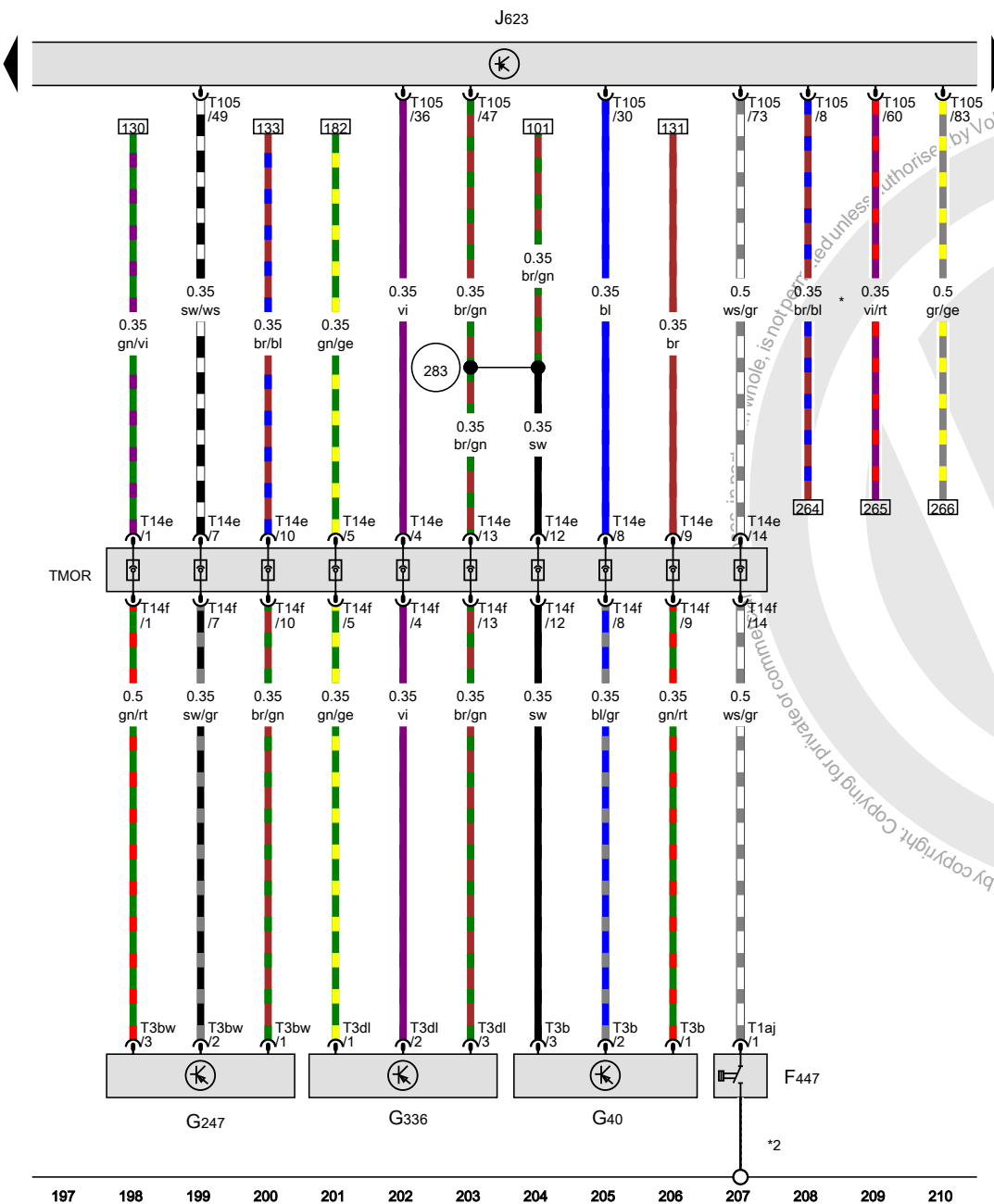
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T105 105-pin connector

- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1
- 847 Earth point on ignition coil 2
- 848 Earth point on ignition coil 3
- 849 Earth point on ignition coil 4
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing

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- vi = purple
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- or = orange
- rs = pink

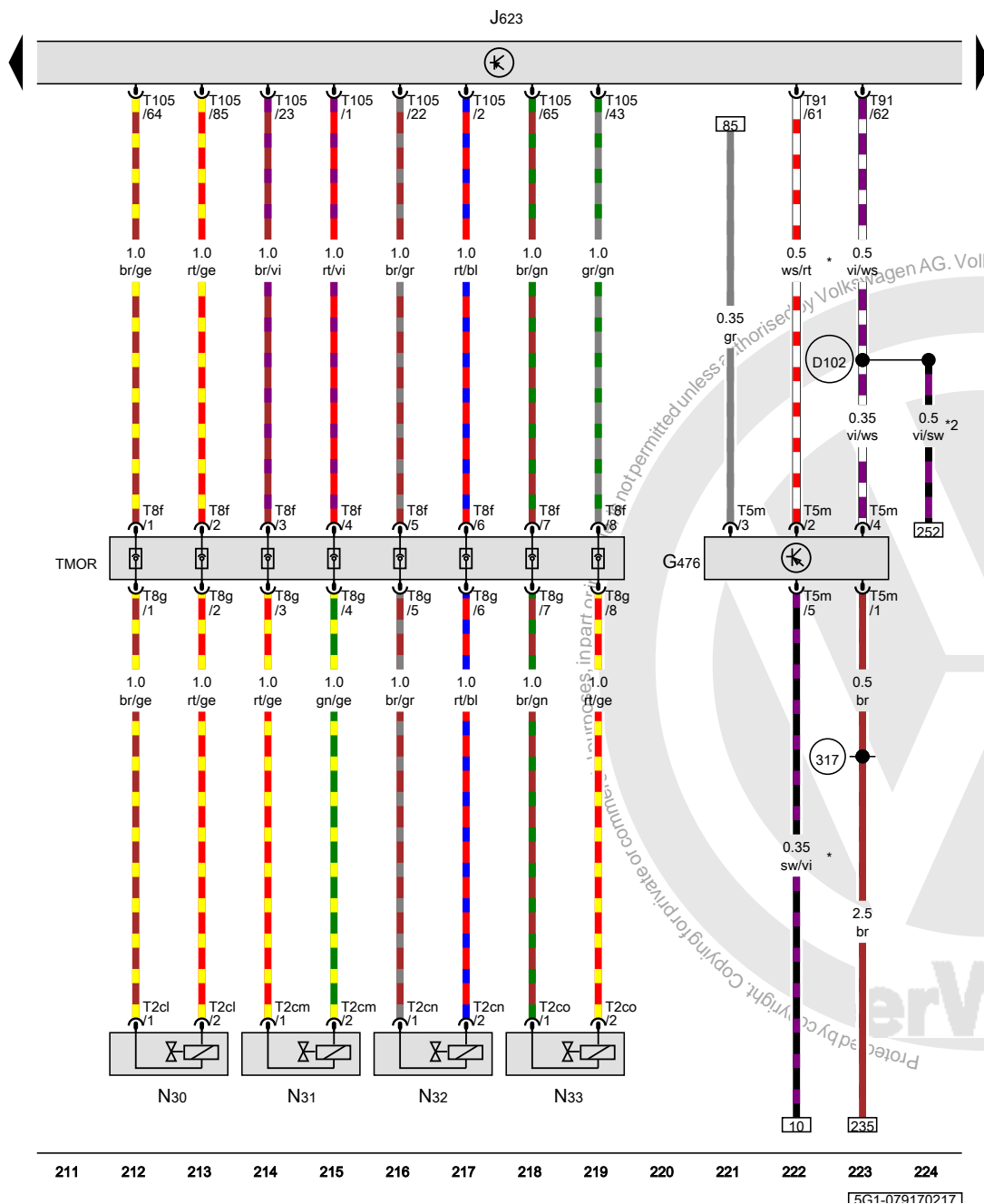
Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T1aj 1-pin connector
- T3b 3-pin connector
- T3bw 3-pin connector
- T3dl 3-pin connector
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector
- TMOR Coupling point on engine top right
- 283 Earth point 2, engine prewiring harness
- * Only models with automatic gearbox
- *2 Earth supply via housing



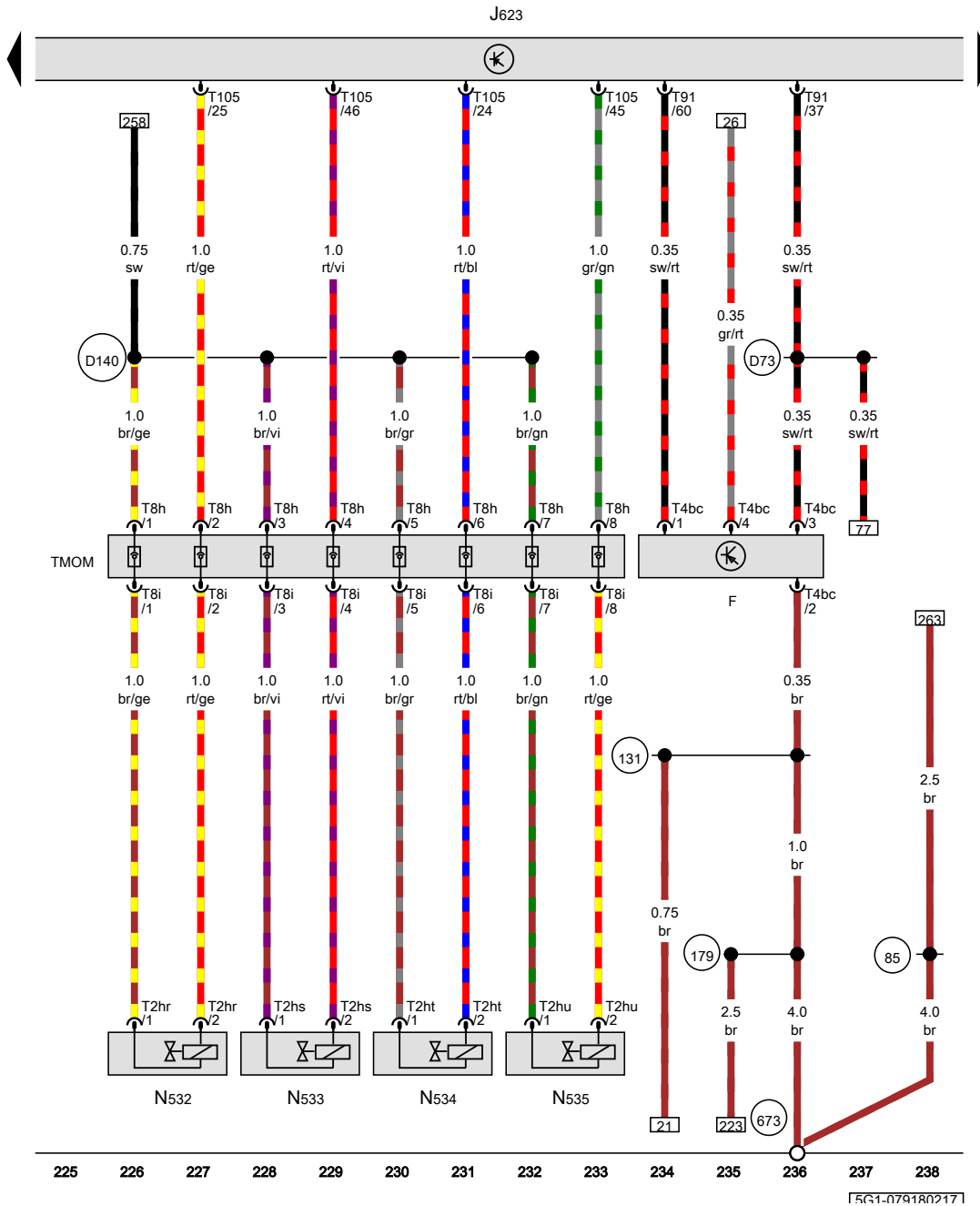
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Clutch position sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- G476 Clutch position sender
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T5m 5-pin connector
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T91 91-pin connector
- T105 105-pin connector
- TMOR Coupling point on engine, top right
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with automatic gearbox

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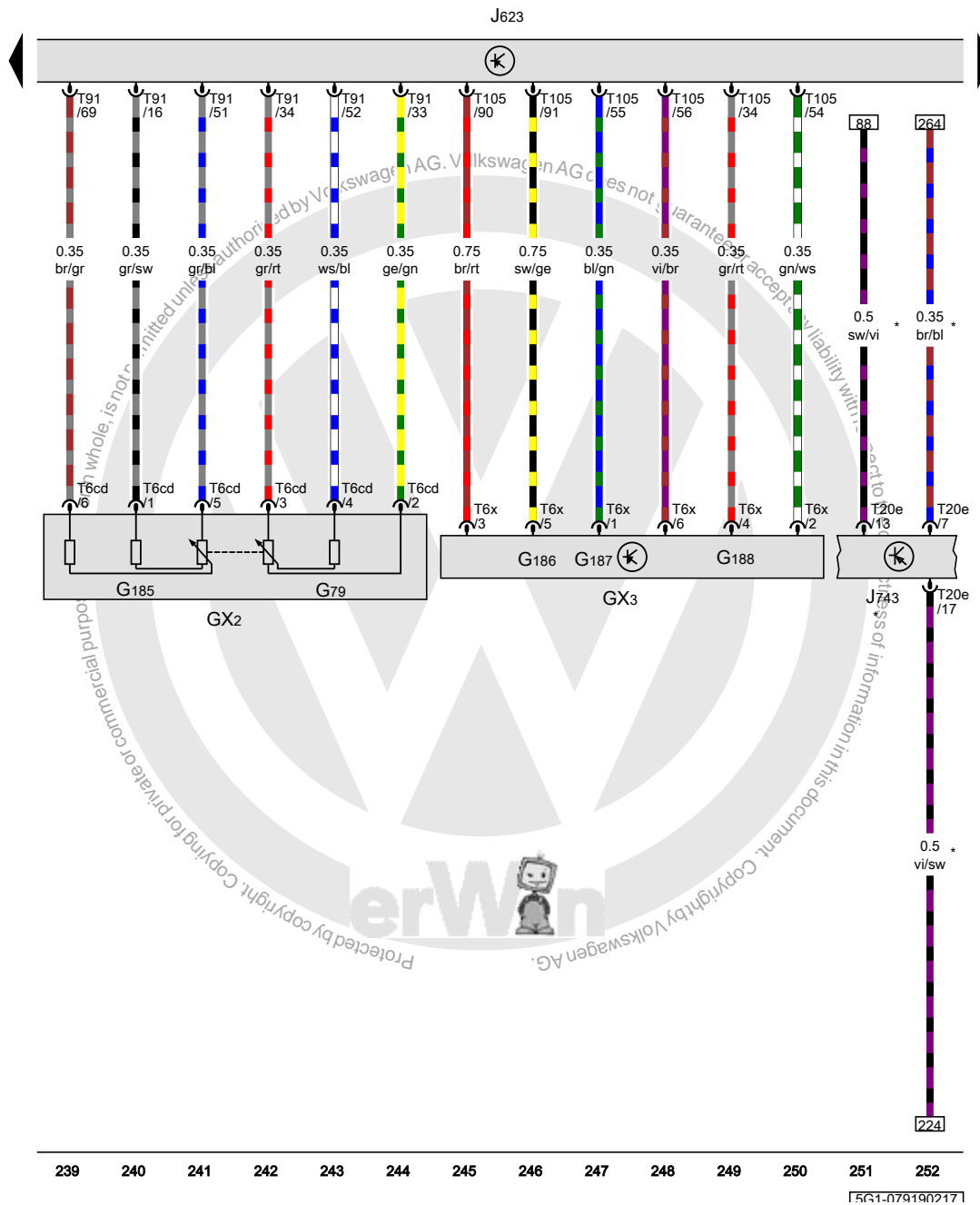
Brake light switch, Engine control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

- F Brake light switch
- J623 Engine control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2hr 2-pin connector
- T2hs 2-pin connector
- T2ht 2-pin connector
- T2hu 2-pin connector
- T4bc 4-pin connector
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- T91 91-pin connector
- T105 105-pin connector
- TMOM Coupling point on engine, top centre
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D140 Connection (injectors), in engine prewiring harness

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Accelerator pedal module, Throttle valve module, Engine control unit, Mechatronic unit for dual clutch gearbox

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6cd 6-pin connector
- T6x 6-pin connector
- T20e 20-pin connector
- T91 91-pin connector
- T105 105-pin connector
- * Only models with automatic gearbox

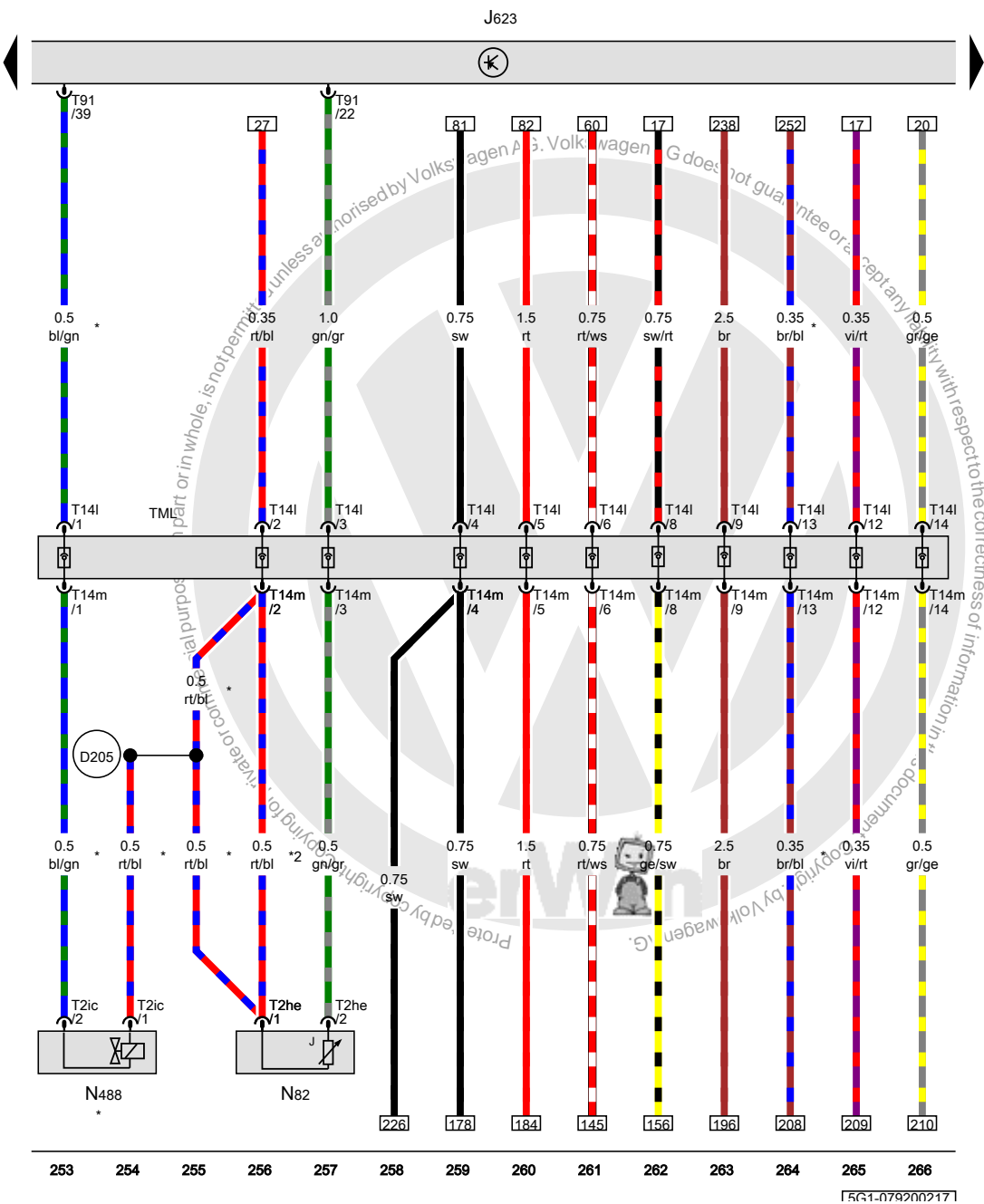


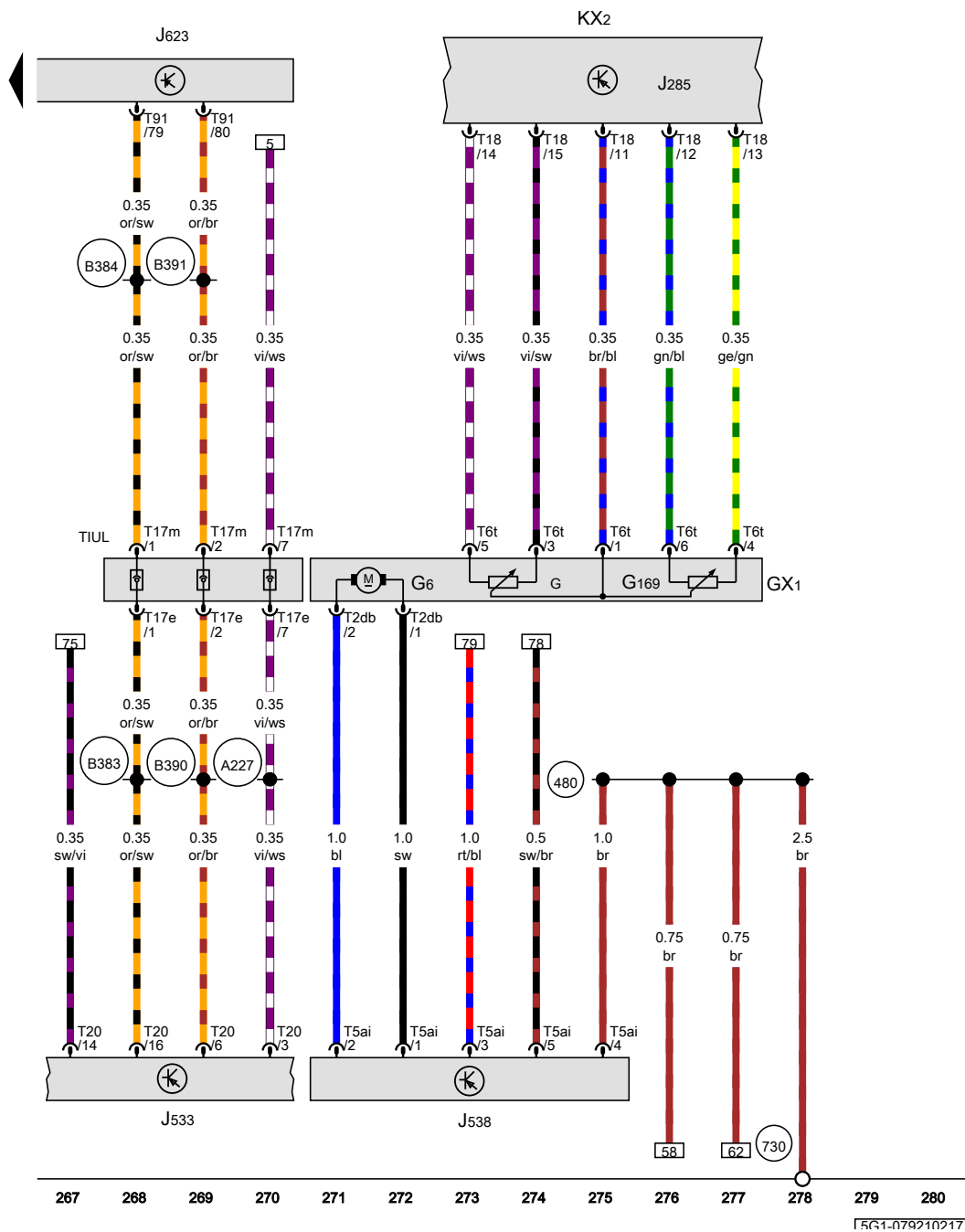
- ws = white
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
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Engine control unit, Coolant shut-off valve, Coolant valve for gearbox

- J623 Engine control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2he 2-pin connector
- T2ic 2-pin connector
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector
- TML Coupling point in engine compartment, left
- D205 Connection 3 (87a) in engine prewiring harness

- * Only models with automatic gearbox
- *2 Only models with manual gearbox





Data bus diagnostic interface, Fuel pump control unit, Engine control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J623 Engine control unit
- KX2 Dash panel insert
- T2db 2-pin connector
- T5ai 5-pin connector
- T6t 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T18 18-pin connector
- T20 20-pin connector
- T91 91-pin connector
- TIUL Coupling point in interior, below left
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

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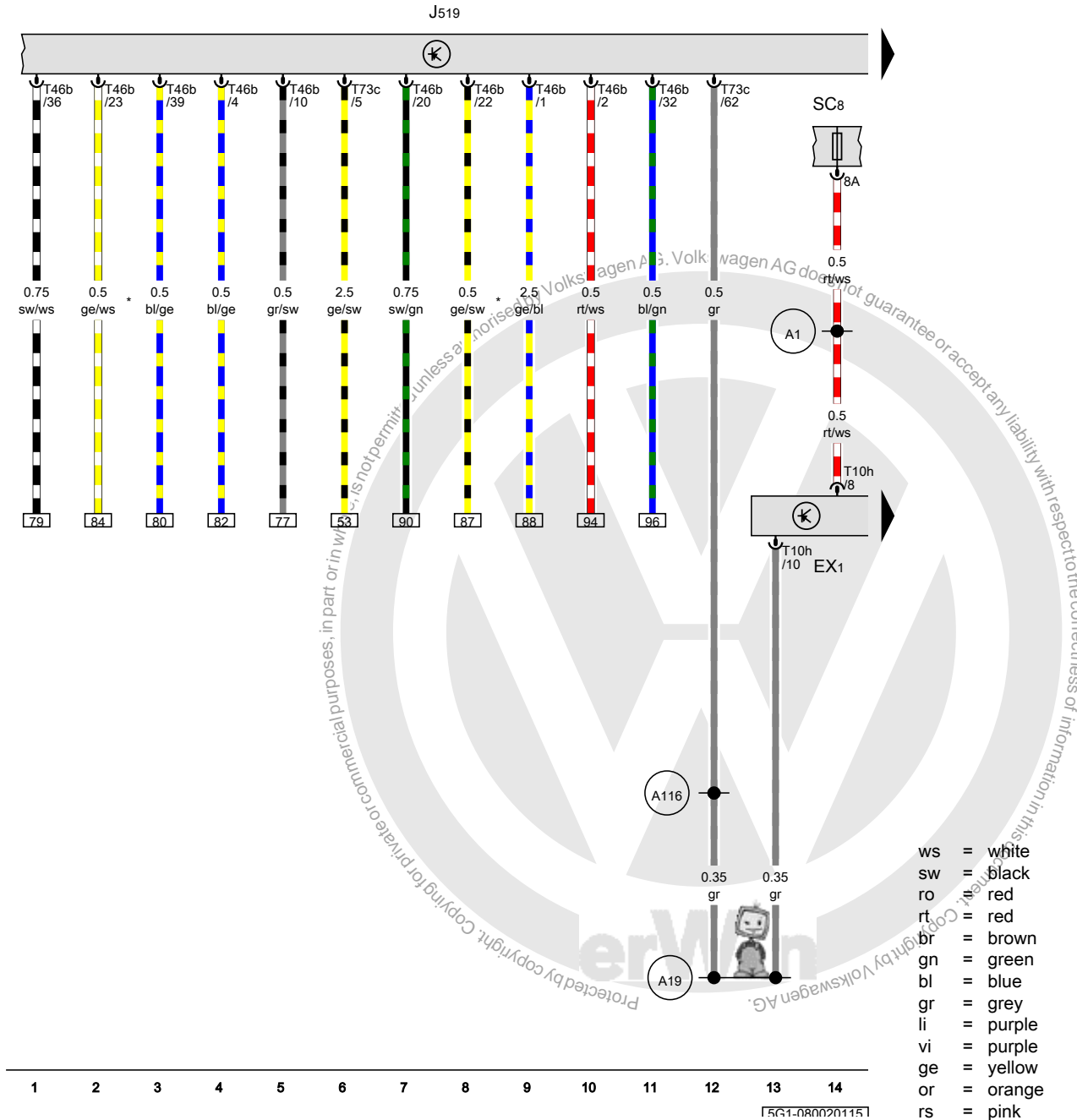
Gas discharge headlights (bi-xenon) with automatic headlight range control, cornering light, LED daytime running lights ,
CYFB,(A9R)

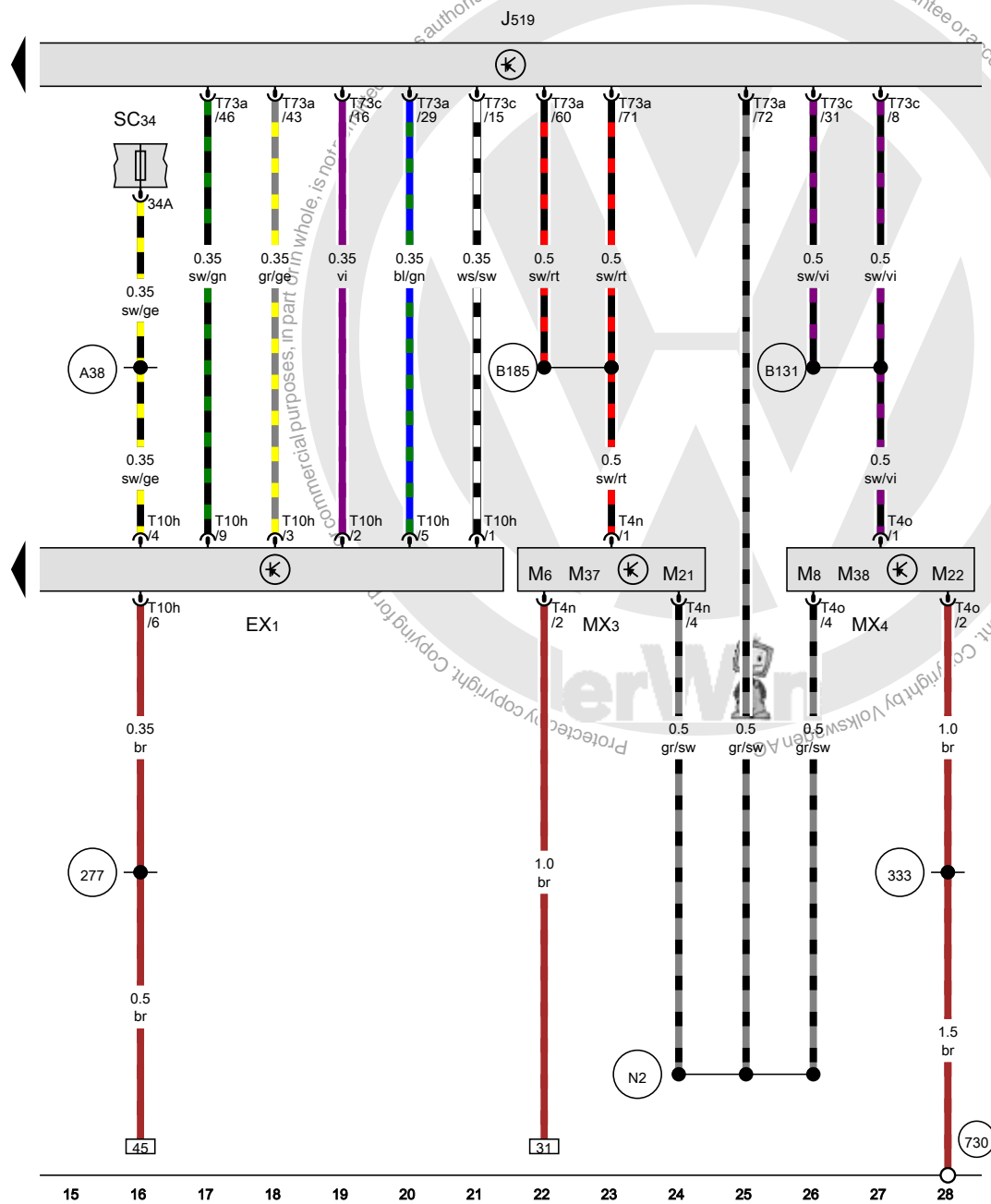
From November 2014



Rotary light switch, Onboard supply control unit

- EX1 Rotary light switch
- J519 Onboard supply control unit
- SC8 Fuse 8 on fuse holder C
- T10h 10-pin connector
- T46b 46-pin connector, black
- T73c 73-pin connector, black
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * According to equipment

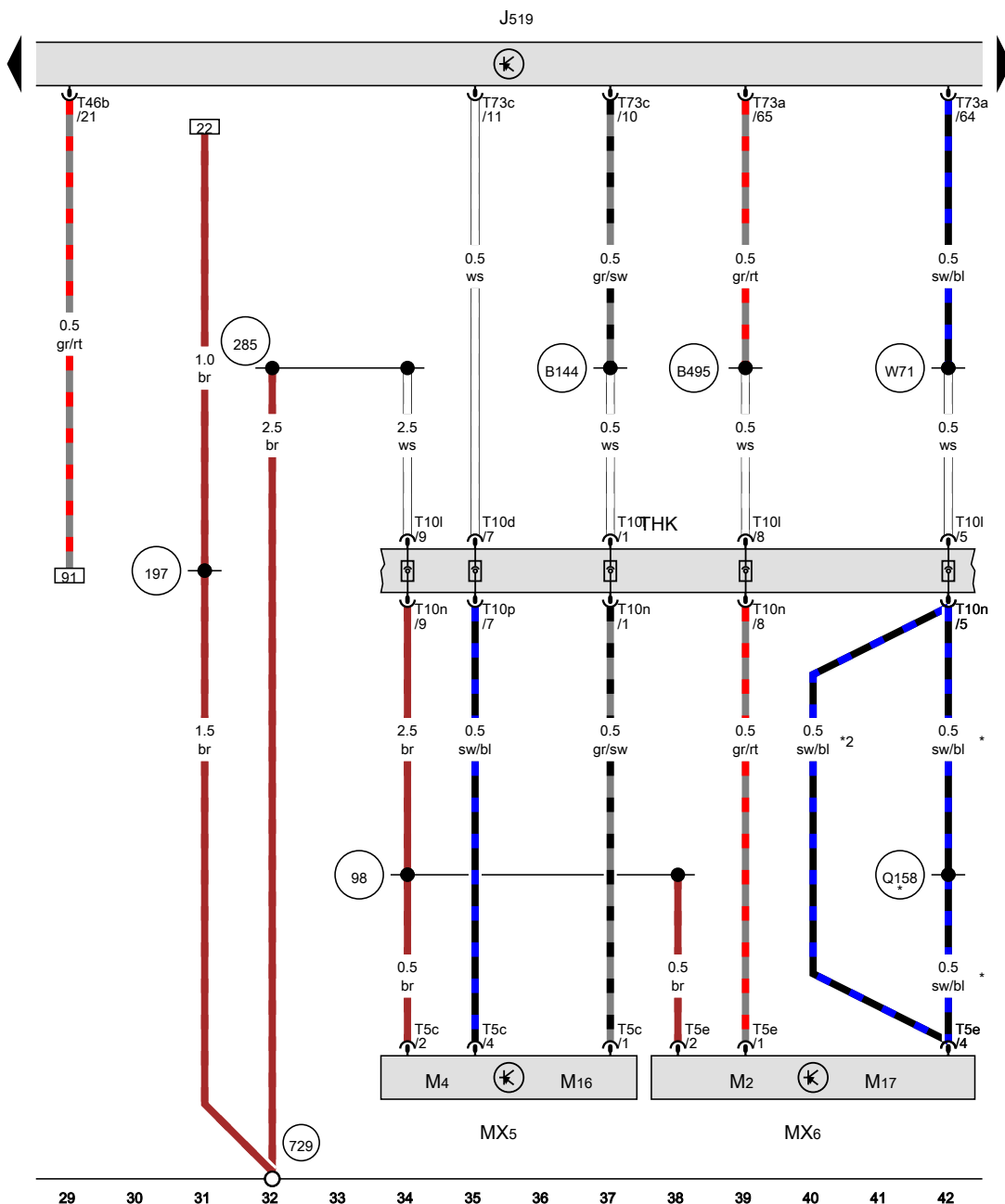




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Rotary light switch, Onboard supply control unit, Left tail light, Right tail light

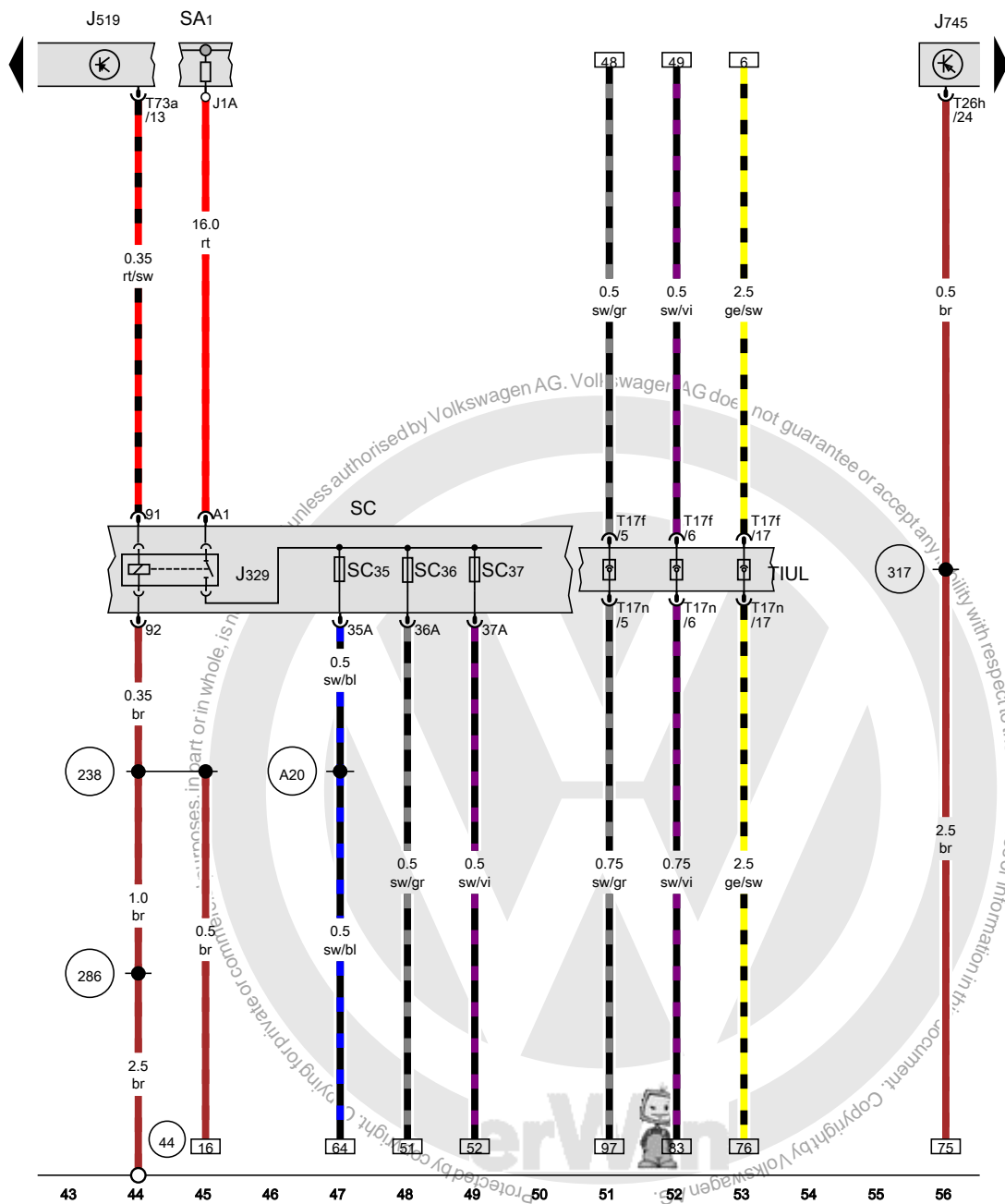
- EX1 Rotary light switch
- J519 Onboard supply control unit
- MX3 Left tail light
- MX4 Right tail light
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M21 Left brake and tail light bulb
- M22 Right brake and tail light bulb
- M37 Rear left side marker bulb
- M38 Rear right side marker bulb
- SC34 Fuse 34 on fuse holder C
- T4n 4-pin connector
- T4o 4-pin connector
- T10h 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- 277 Earth connection 3, in interior wiring harness
- 333 Earth connection 5, in rear wiring harness
- 730 Earth point 1, on right rear wheel housing
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B185 Connection 2 (54), in interior wiring harness
- N2 Connection 1, in headlight range control wiring harness



Onboard supply control unit

- J519 Onboard supply control unit
- M2 Right tail light bulb
- M4 Left tail light bulb
- MX5 Left tail light 2
- MX6 Right tail light 2
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T5c 5-pin connector
- T5e 5-pin connector
- T10d 10-pin connector
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector
- T46b 46-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- THK Coupling point on rear lid
- 98 Earth connection, in rear lid wiring harness
- 197 Earth connection 4, in rear wiring harness
- 285 Earth connection 7, in interior wiring harness
- 729 Earth point, on left rear wheel housing
- B144 Positive connection (58L), in interior wiring harness
- B495 Positive connection 3 (58R), in interior wiring harness
- Q158 Connection (RL) in rear lid wiring harness
- W71 Connection (reversing light), in rear wiring harness
- * Only models with reversing camera system
- *2 Only models with no reversing camera system

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 rs = pink

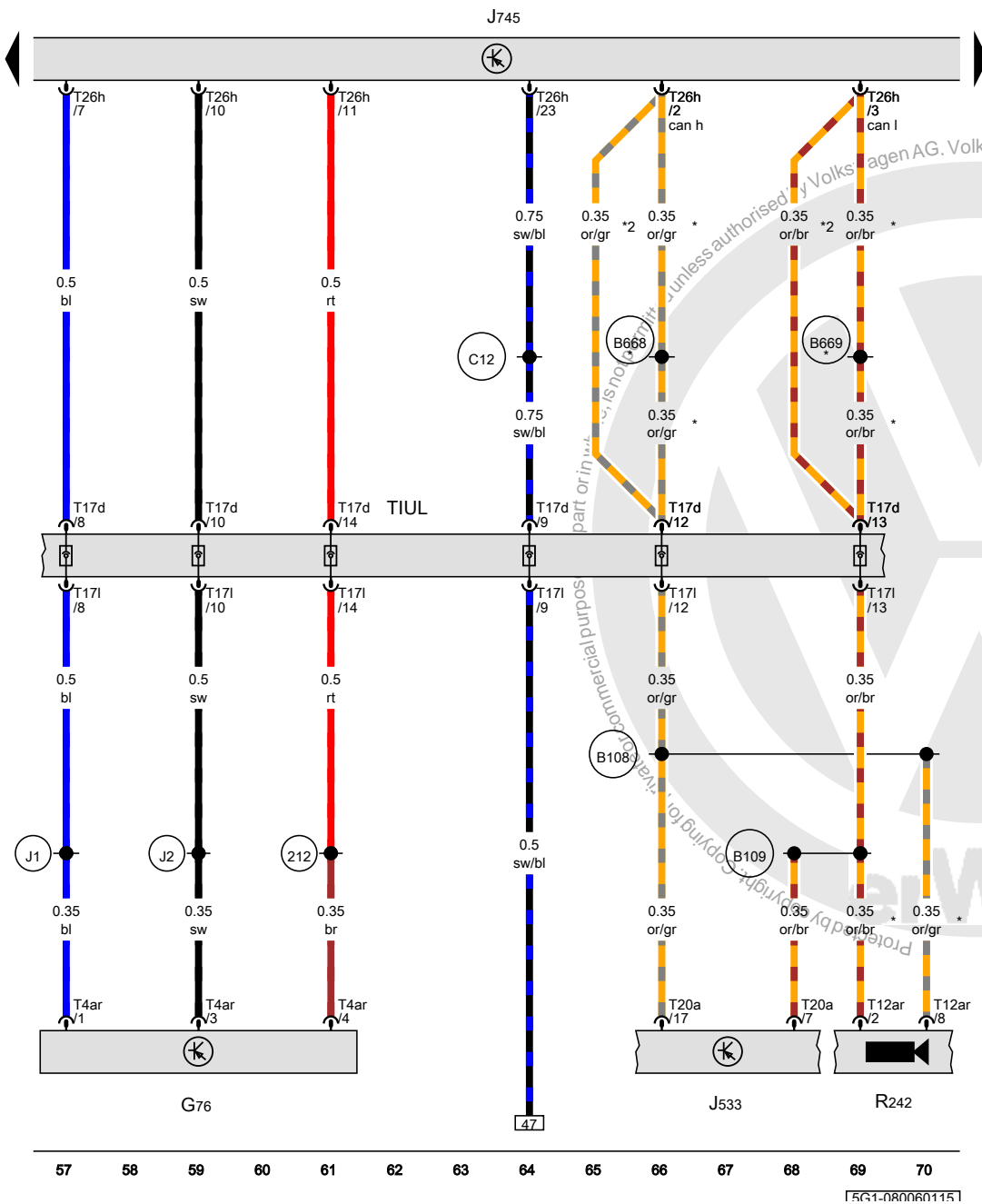


Terminal 15 voltage supply relay, Onboard supply control unit, Control unit for cornering light and headlight range control, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J745 Control unit for cornering light and headlight range control
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T26h 26-pin connector
- T73a 73-pin connector, black
- TIUL Coupling point in interior, below left

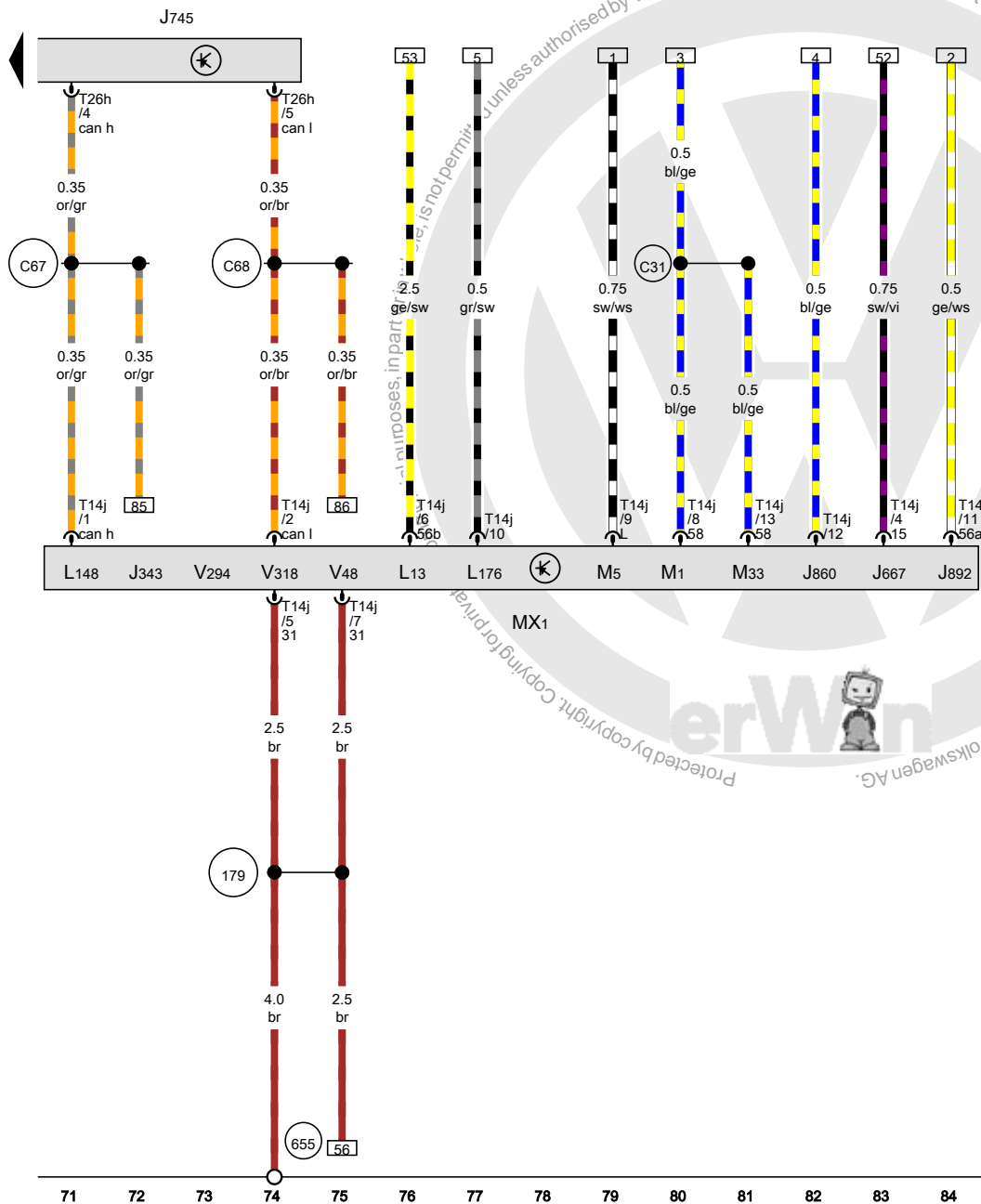
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- A20 Positive connection (15a), in dash panel wiring harness

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Rear left vehicle level sender, Data bus diagnostic interface, Control unit for cornering light and headlight range control, Front camera for driver assist systems

- G76 Rear left vehicle level sender
- J533 Data bus diagnostic interface
- J745 Control unit for cornering light and headlight range control
- R242 Front camera for driver assist systems
- T4ar 4-pin connector
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17l 17-pin connector, black
- T20a 20-pin connector
- T26h 26-pin connector
- TIUL Coupling point in interior, below left
- 212 Earth connection 2, in ABS wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness
- C12 Positive connection 1, in headlight wiring harness
- J1 Positive connection (30), in ABS wiring harness
- J2 Positive connection (15), in ABS wiring harness
- * Only models with main beam assist
- *2 According to equipment

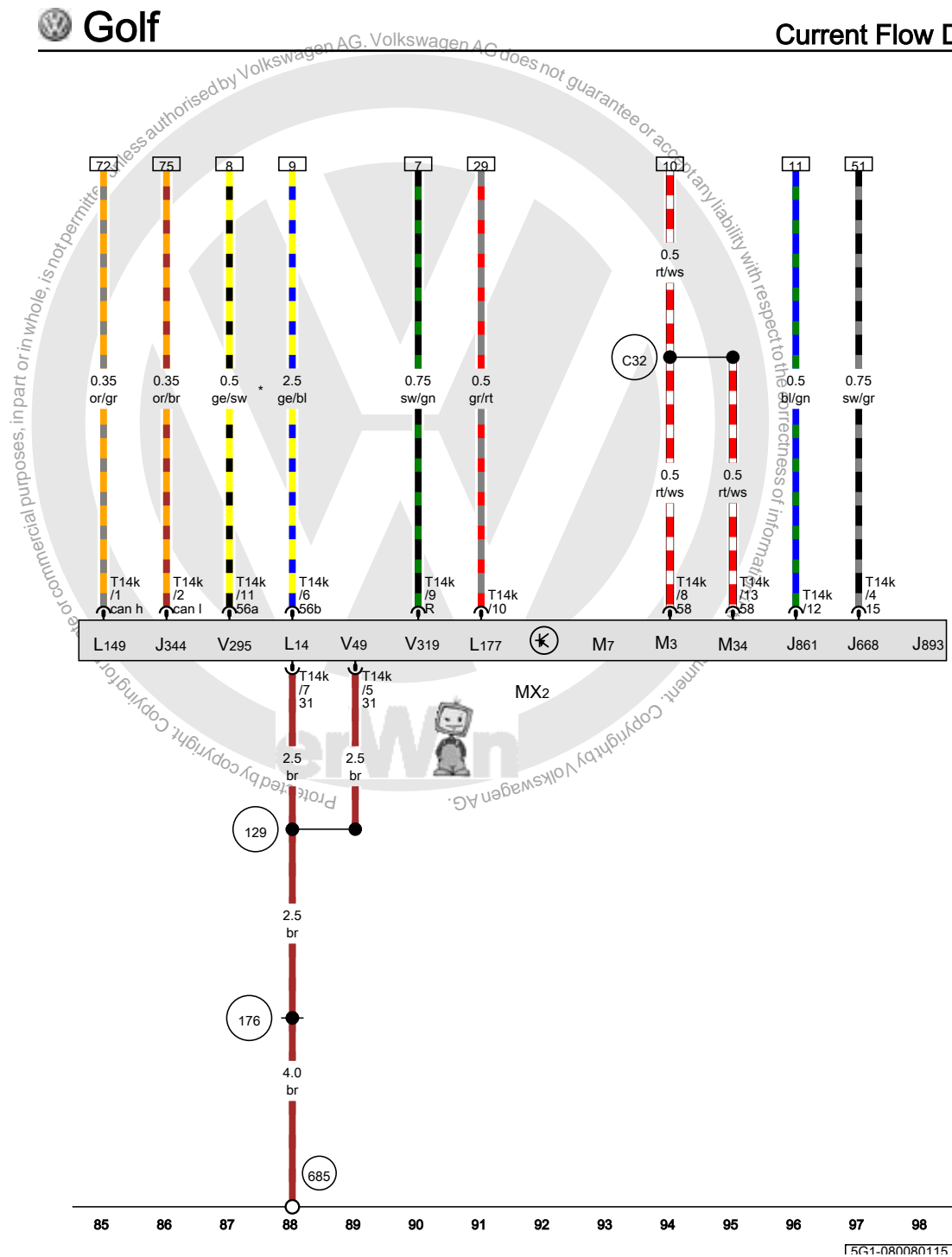


Control unit for cornering light and headlight range control, Front left headlight

- J343 Left gas discharge bulb control unit, on left headlight
- J667 Output module for left headlight, on left headlight
- J745 Control unit for cornering light and headlight range control
- J860 Control unit for left daytime running light and side light, on left headlight
- J892 Output module 2 for left headlight, on left headlight
- L13 Left gas discharge (xenon) bulb
- L148 Left cornering light bulb
- L176 Left LED module for daytime running light and side light
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M33 Front left side marker bulb
- T14j 14-pin connector, black
- T26h 26-pin connector
- V48 Left headlight range control motor
- V294 Left dip beam screen motor
- V318 Left dynamic cornering light control motor

- 179 Earth connection, in left headlight wiring harness
- 655 Earth point, on left headlight
- C31 Connection 3, in headlight wiring harness
- C67 Connection (CAN bus, high), in headlight wiring harness
- C68 Connection (CAN bus, low), in headlight wiring harness

* According to equipment



Right gas discharge bulb control unit, Control unit for right daytime running light and side light, Output module 2 for right headlight, Front right headlight

- J344 Right gas discharge bulb control unit, on right headlight
- J668 Output module for right headlight, on right headlight
- J861 Control unit for right daytime running light and side light, on right headlight
- J893 Output module 2 for right headlight, on right headlight
- L14 Right gas discharge (xenon) bulb
- L149 Right cornering light bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M34 Front right side marker bulb
- T14k 14-pin connector, black
- V49 Right headlight range control motor
- V295 Right dip beam screen motor
- V319 Right dynamic cornering light control motor

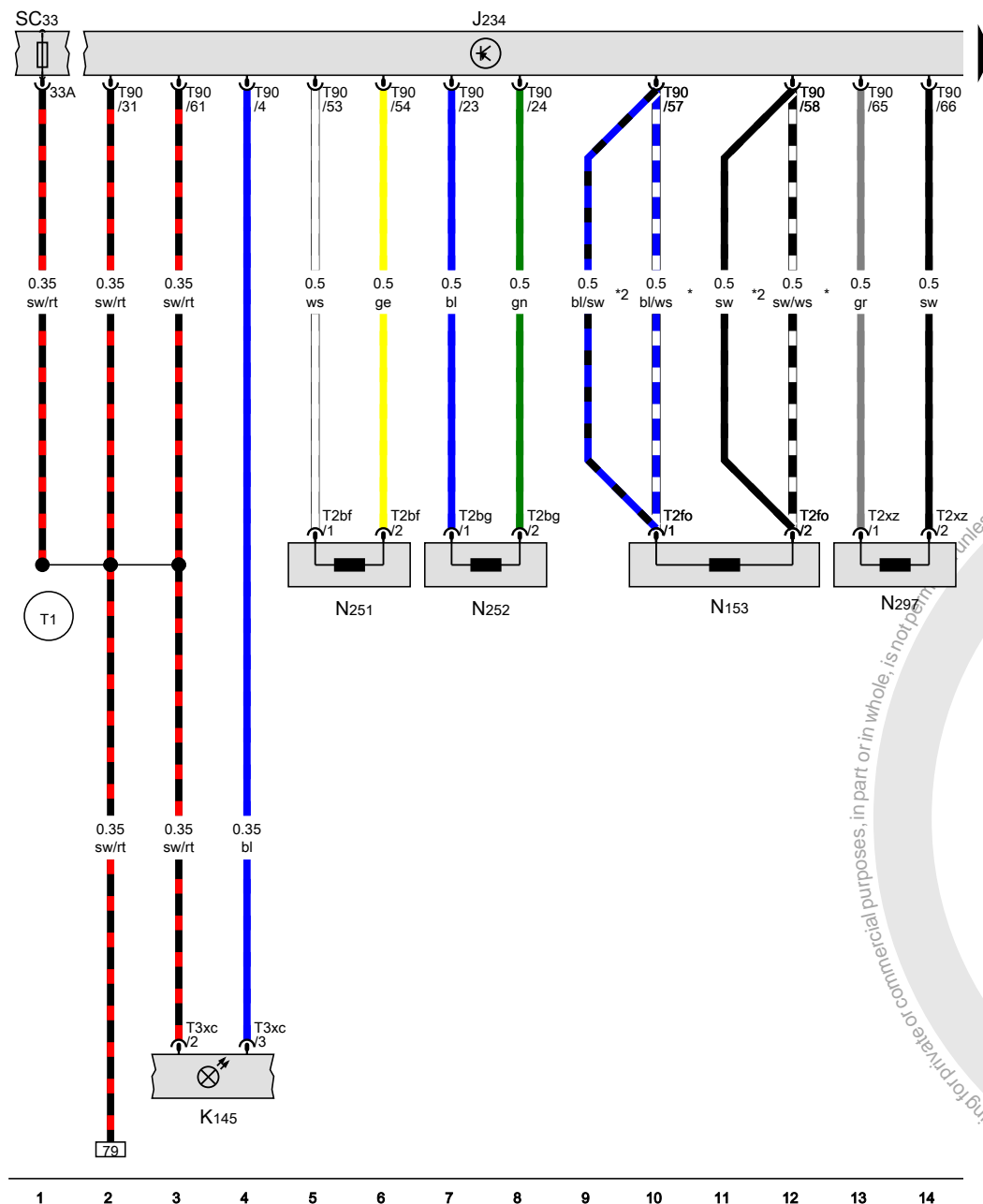
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1 at front of right longitudinal member
- C32 Connection 4, in headlight wiring harness

* According to equipment

Airbag systems (US equipment) , (4UM)

From November 2014

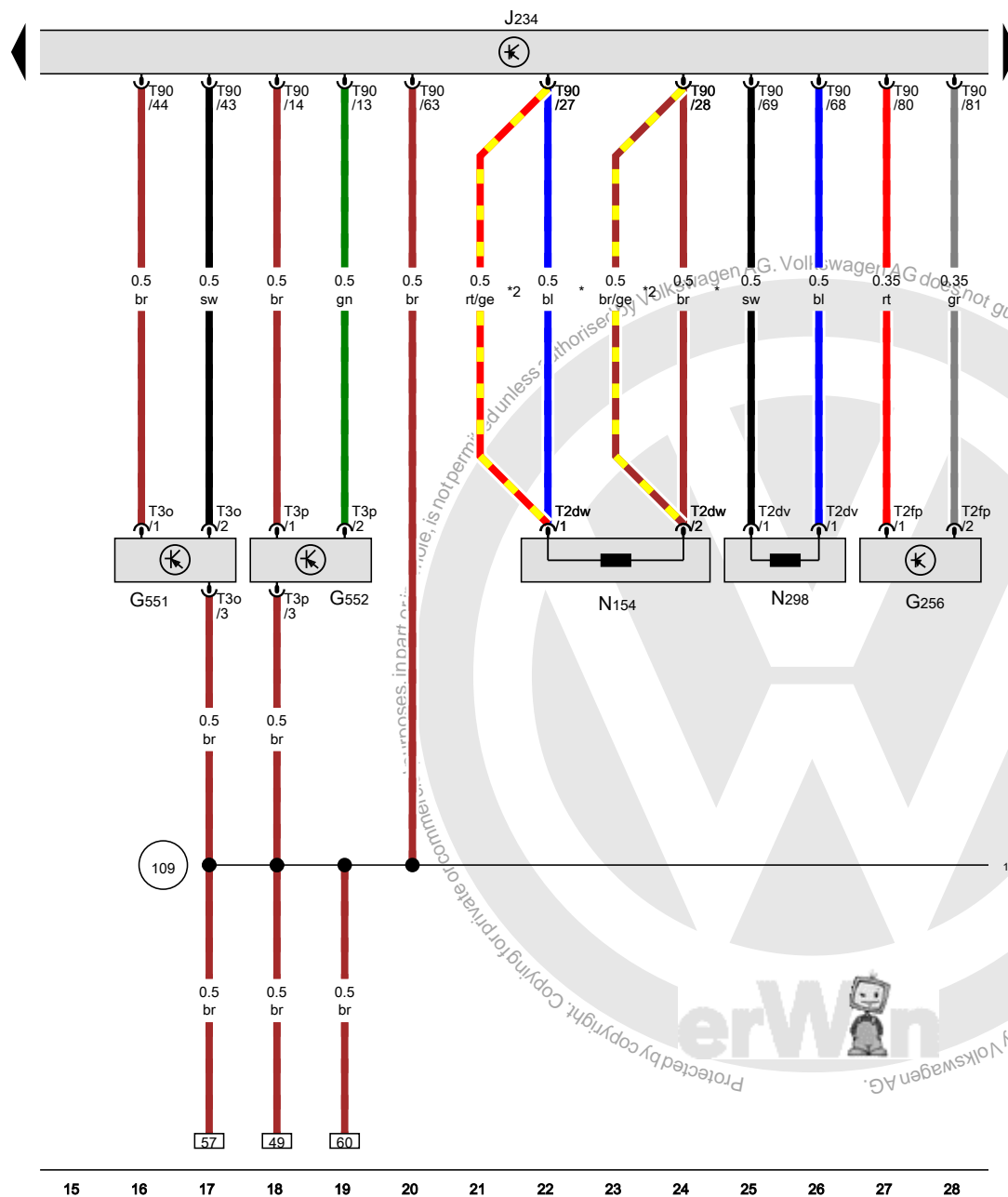




Airbag control unit, Front passenger side airbag deactivated warning lamp, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter, Igniter for driver side seat belt tensioner 2

- J234 Airbag control unit
- K145 Front passenger side airbag deactivated warning lamp
- N153 Driver seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- N297 Igniter for driver side seat belt tensioner 2
- SC33 Fuse 33 on fuse holder C
- T2bf 2-pin connector
- T2bg 2-pin connector
- T2fo 2-pin connector
- T2xz 2-pin connector
- T3xc 3-pin connector
- T90 90-pin connector
- T1 Positive connection 1, in airbag wiring harness
- * Only models with 4-doors
- *2 Only models with 2-doors

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



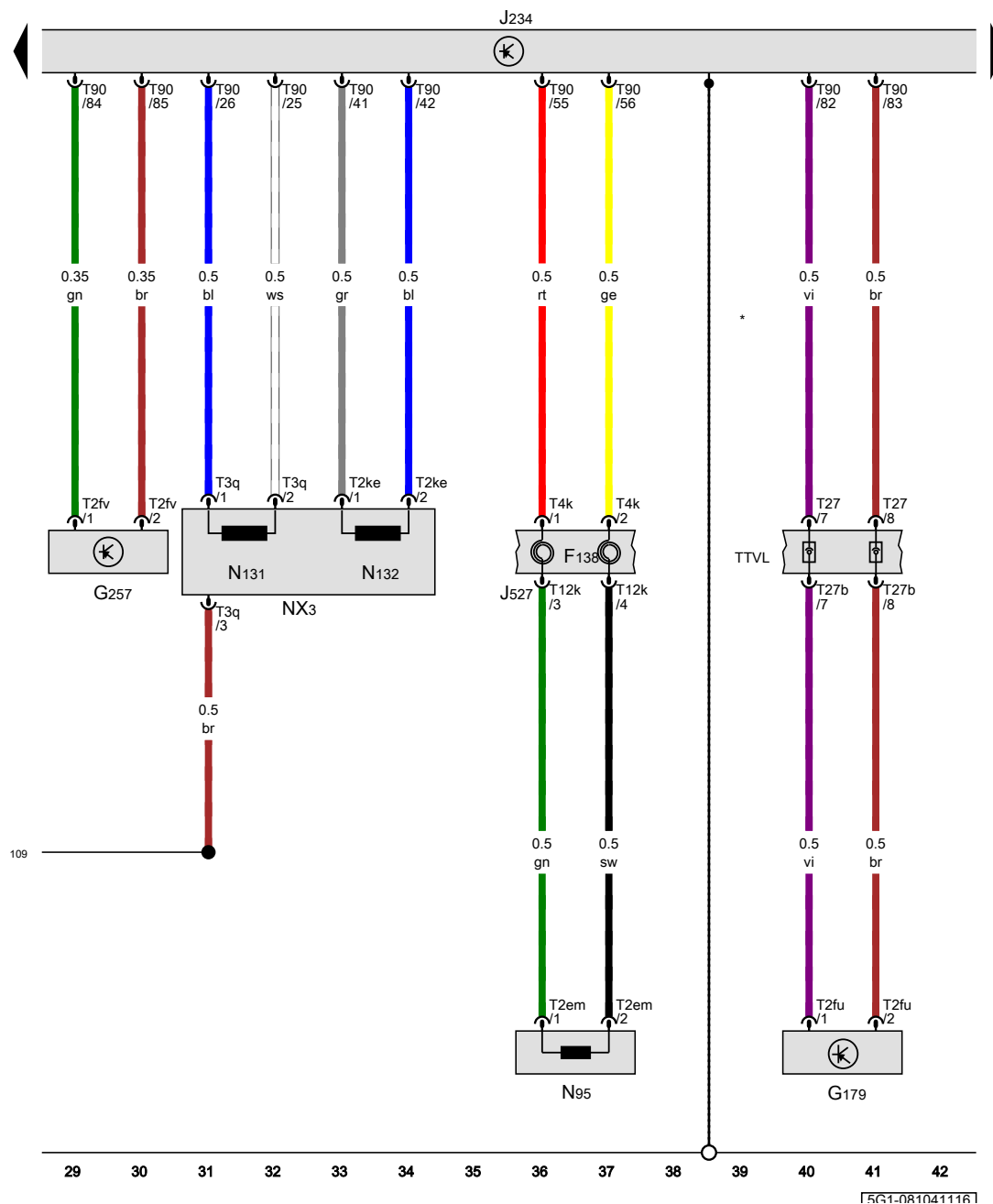
Rear side airbag crash sensor on driver side, Driver side belt force limiter, Front passenger side belt force limiter, Airbag control unit, Front passenger seat belt tensioner igniter 1, Igniter for front passenger side seat belt tensioner 2

- G256 Rear side airbag crash sensor on driver side
- G551 Driver side belt force limiter
- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- N154 Front passenger seat belt tensioner igniter 1
- N298 Igniter for front passenger side seat belt tensioner 2
- T2dv 2-pin connector
- T2dw 2-pin connector
- T2fp 2-pin connector
- T3o 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector

109 Earth connection, in airbag wiring harness

- * Only models with 4-doors
- *2 Only models with 2-doors

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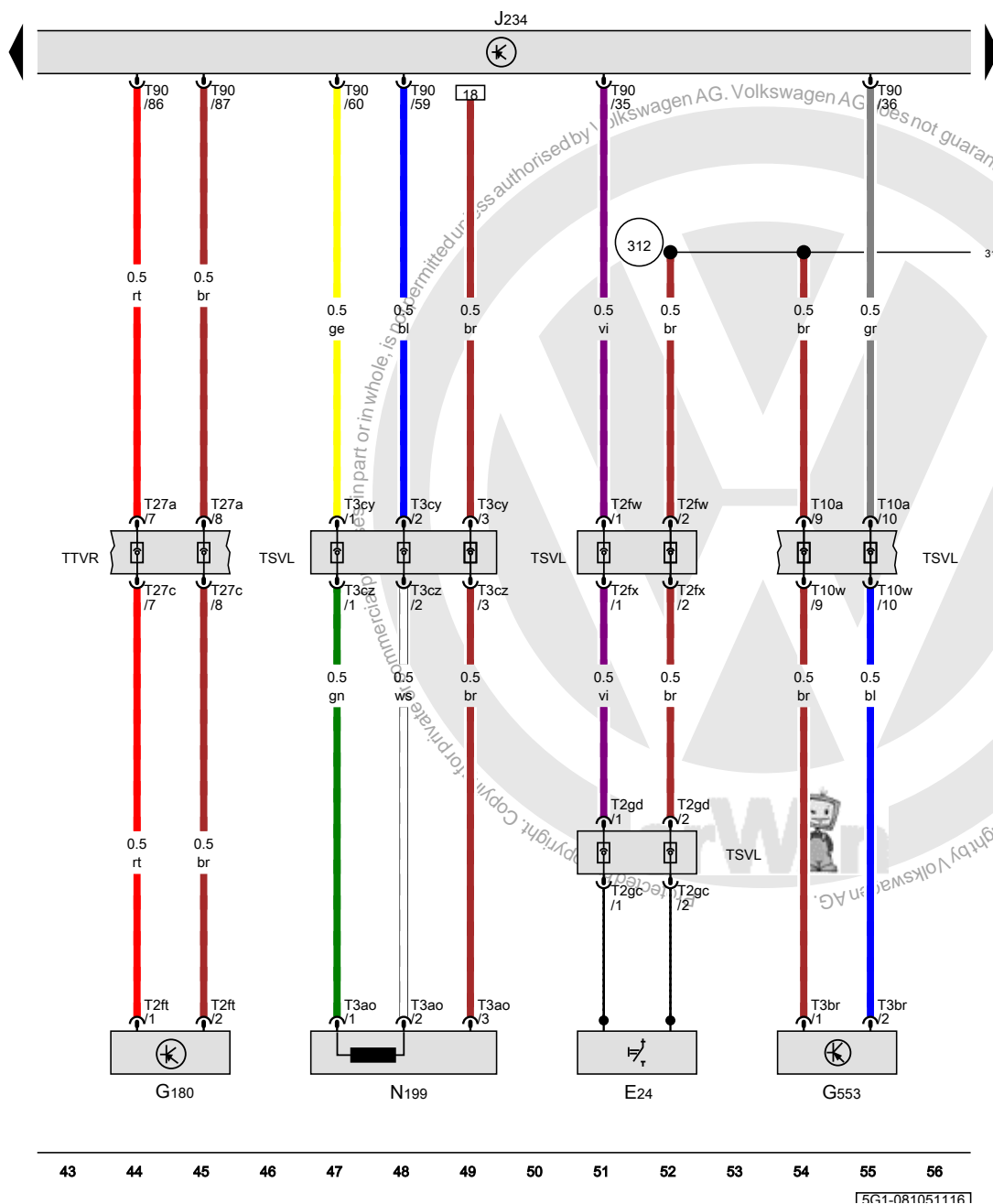


Airbag coil connector and return ring with slip ring, Side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Steering column electronics control unit, Front passenger airbag unit, Driver side airbag igniter, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2

- F138 Airbag coil connector and return ring with slip ring
- G179 Side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- NX3 Front passenger airbag unit
- N95 Driver side airbag igniter
- N131 Front passenger side airbag igniter 1
- N132 Front passenger side airbag igniter 2
- T2em 2-pin connector
- T2fu 2-pin connector
- T2fv 2-pin connector
- T2ke 2-pin connector
- T3q 3-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T90 90-pin connector
- TTVL Coupling point for front left door

- 109 Earth connection, in airbag wiring harness
- * Earth supply via housing

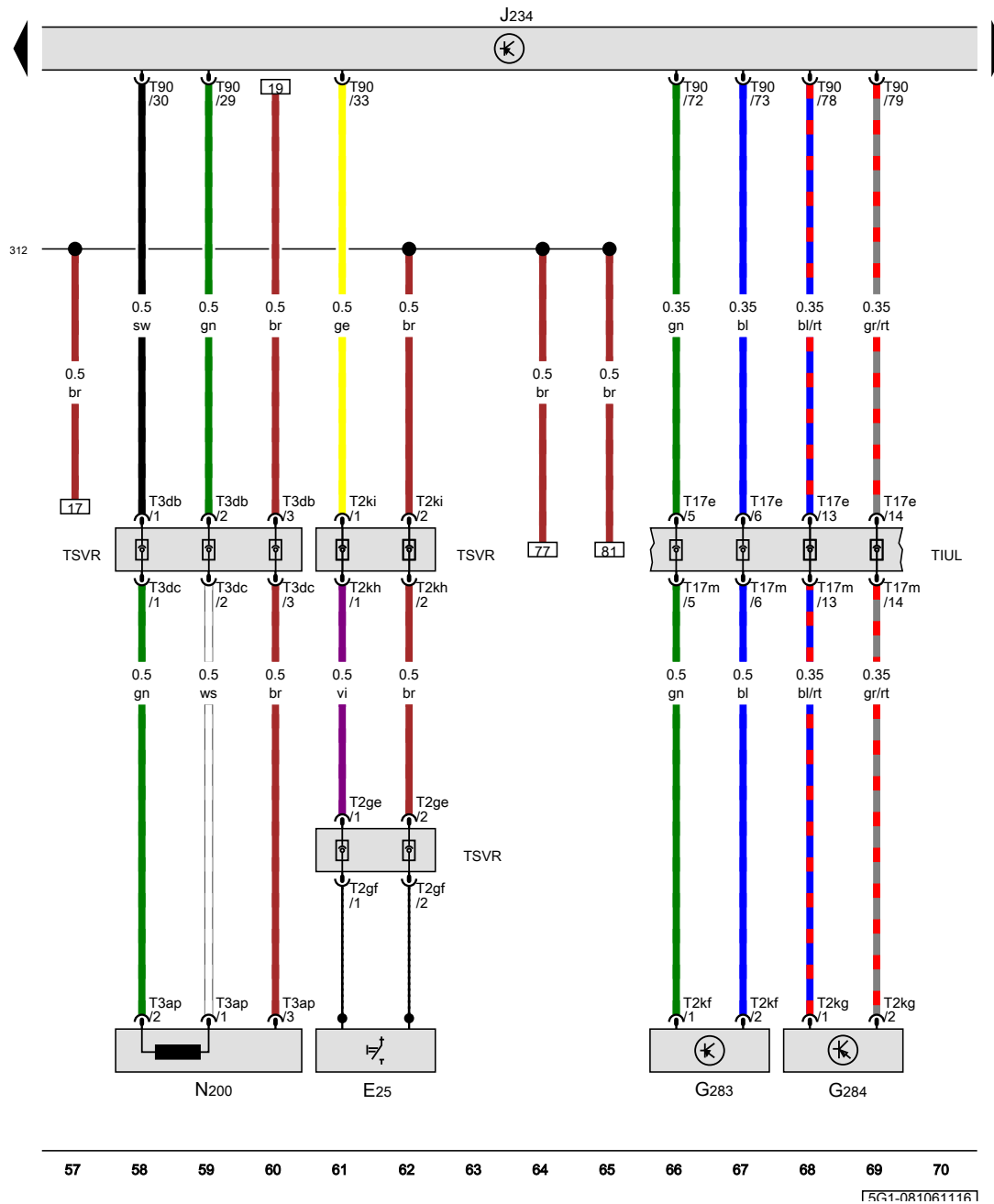
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Driver side belt switch, Side airbag crash sensor on front passenger side, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side

- E24 Driver side belt switch
- G180 Side airbag crash sensor on front passenger side
- G553 Driver side seat position sensor
- J234 Airbag control unit
- N199 Side airbag igniter on driver side
- T2ft 2-pin connector
- T2fw 2-pin connector, black
- T2fx 2-pin connector, black
- T2gc 2-pin connector, black
- T2gd 2-pin connector, black
- T3ao 3-pin connector
- T3br 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T10a 10-pin connector
- T10w 10-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- T90 90-pin connector
- TSVL Coupling point for front left seat
- TTVR Coupling point for front right door
- 312 Earth connection 2, in airbag wiring harness

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- vi = purple
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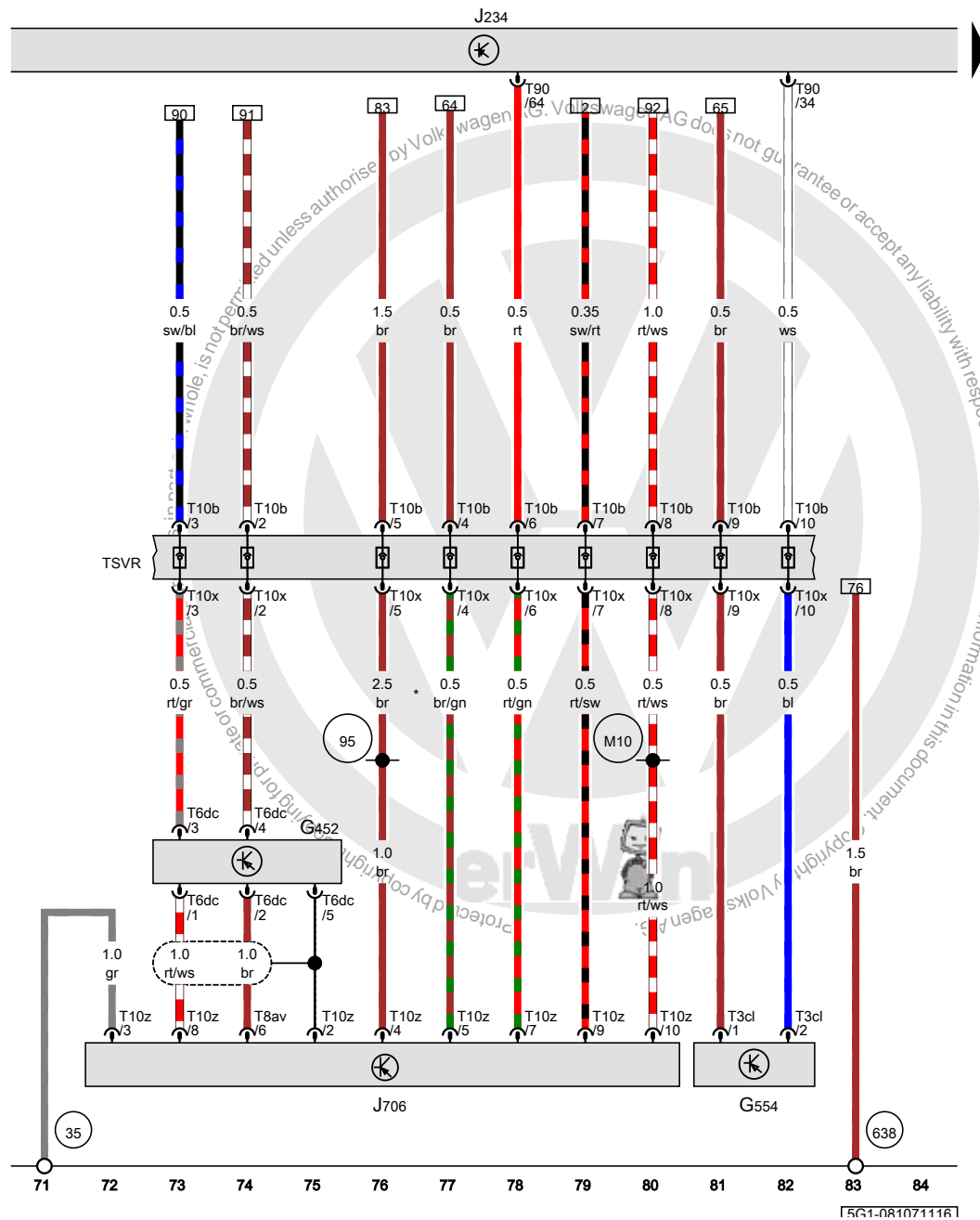


Front passenger side belt switch, Front airbag crash sensor for driver side, Airbag control unit, Side airbag igniter on front passenger side

- E25 Front passenger side belt switch
- G283 Front airbag crash sensor for driver side
- G284 Front airbag crash sensor for front passenger side
- J234 Airbag control unit
- N200 Side airbag igniter on front passenger side
- T2ge 2-pin connector, black
- T2gf 2-pin connector, black
- T2kf 2-pin connector
- T2kg 2-pin connector
- T2kh 2-pin connector
- T2ki 2-pin connector
- T3ap 3-pin connector
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- TSVR Coupling point for front right seat

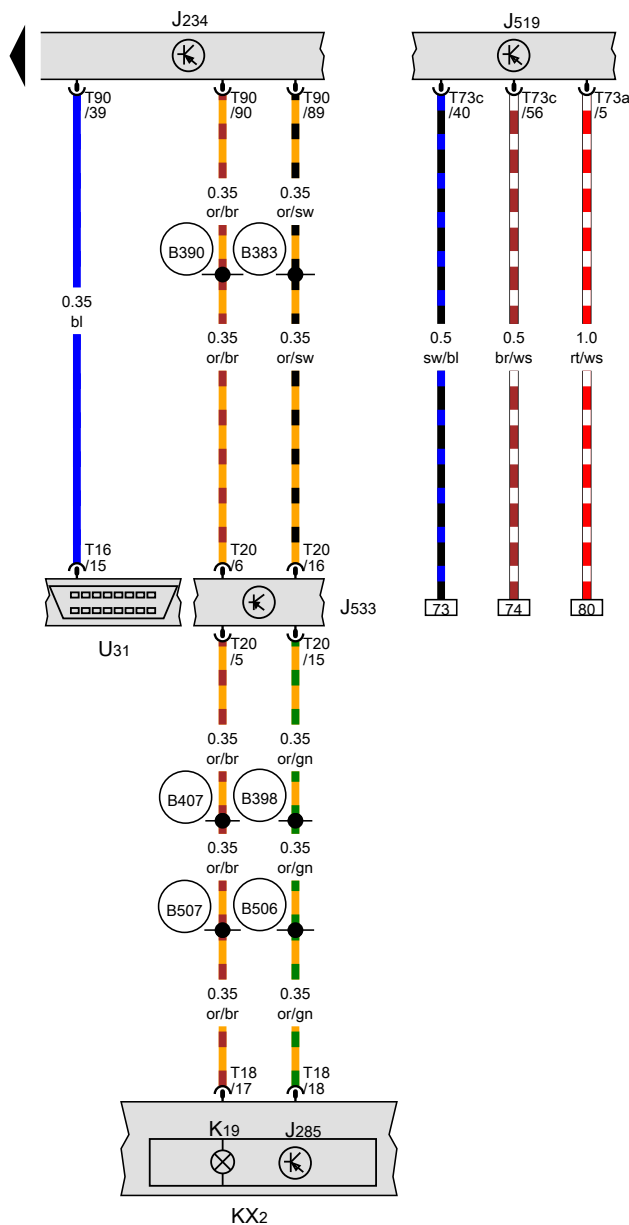
312 Earth connection 2, in airbag wiring harness

Pressure sensor for seat occupied recognition, Airbag control unit, Seat occupied recognition control unit



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- G452 Pressure sensor for seat occupied recognition
- G554 Front passenger side seat position sensor
- J234 Airbag control unit
- J706 Seat occupied recognition control unit, on front passenger seat
- T3cl 3-pin connector
- T6dc 6-pin connector
- T8av 8-pin connector
- T10b 10-pin connector
- T10x 10-pin connector
- T10z 10-pin connector
- T90 90-pin connector
- TSVR Coupling point for front right seat, under front passenger seat
- 35 Earth point, under front passenger seat, on front passenger seat pan
- 95 Earth connection 1, in seat adjustment wiring harness
- 638 Earth point, on right A-pillar
- M10 Connection 1, in driver seat adjustment wiring harness
- * Cross section depends on equipment



Airbag control unit, Data bus diagnostic interface, Dash panel insert, Diagnostic connection

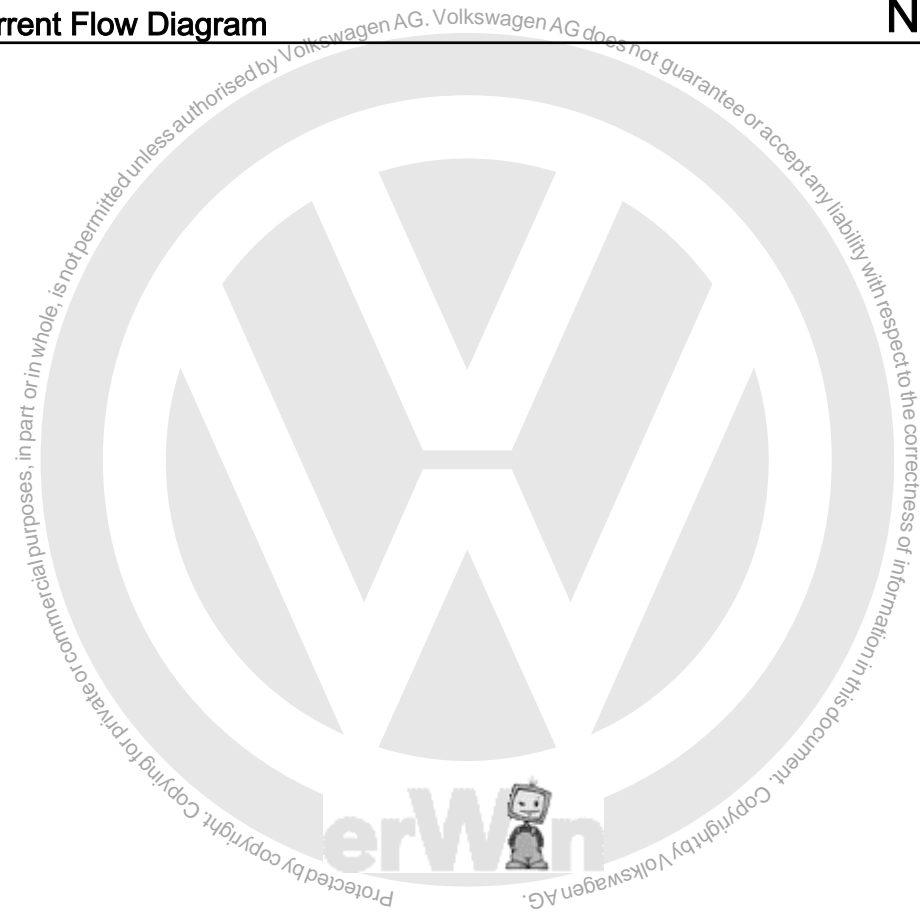
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T16 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- T90 90-pin connector
- U31 Diagnostic connection

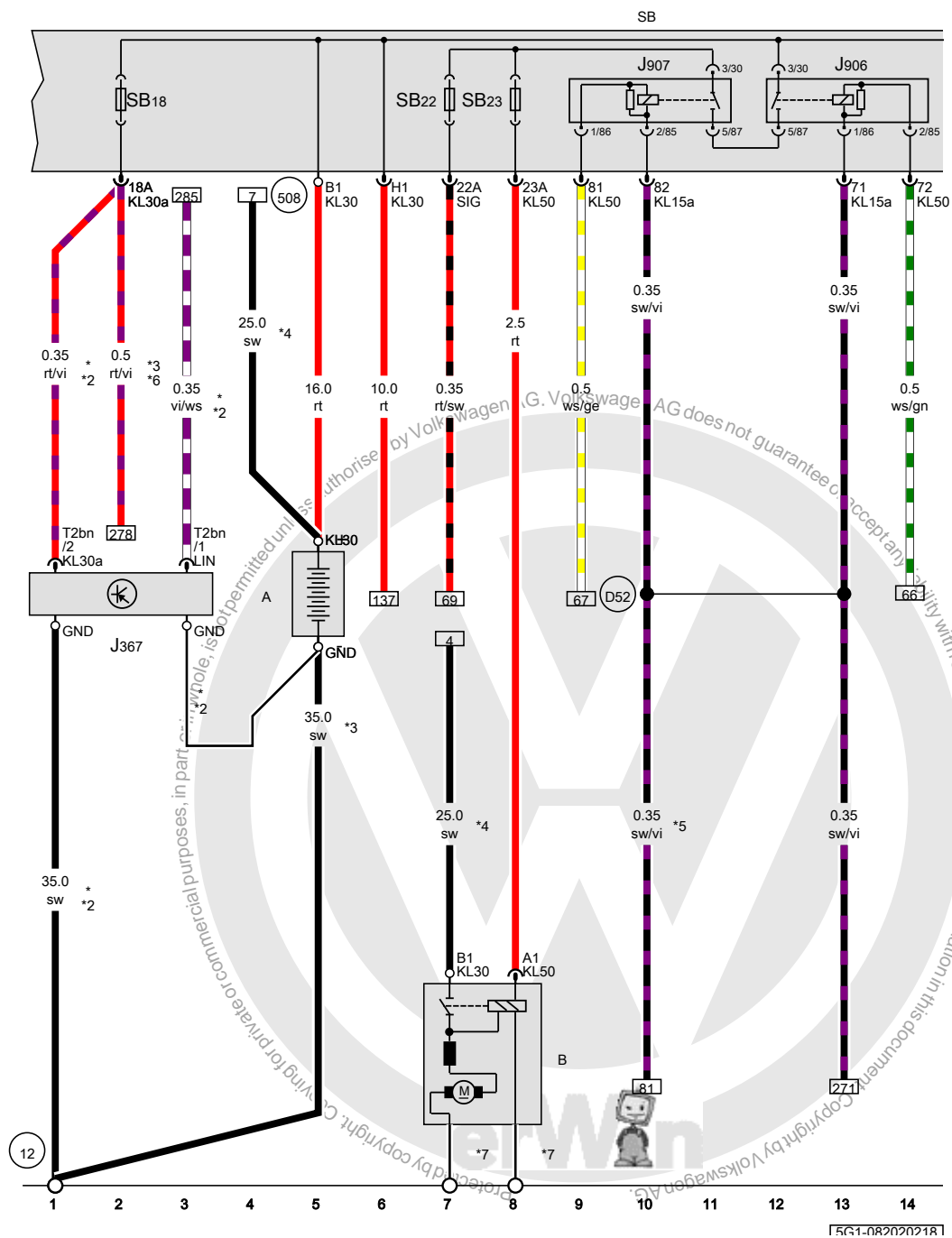
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

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1.6l diesel engine , CXXA,CXXB,DDYA,DDYB

From November 2014

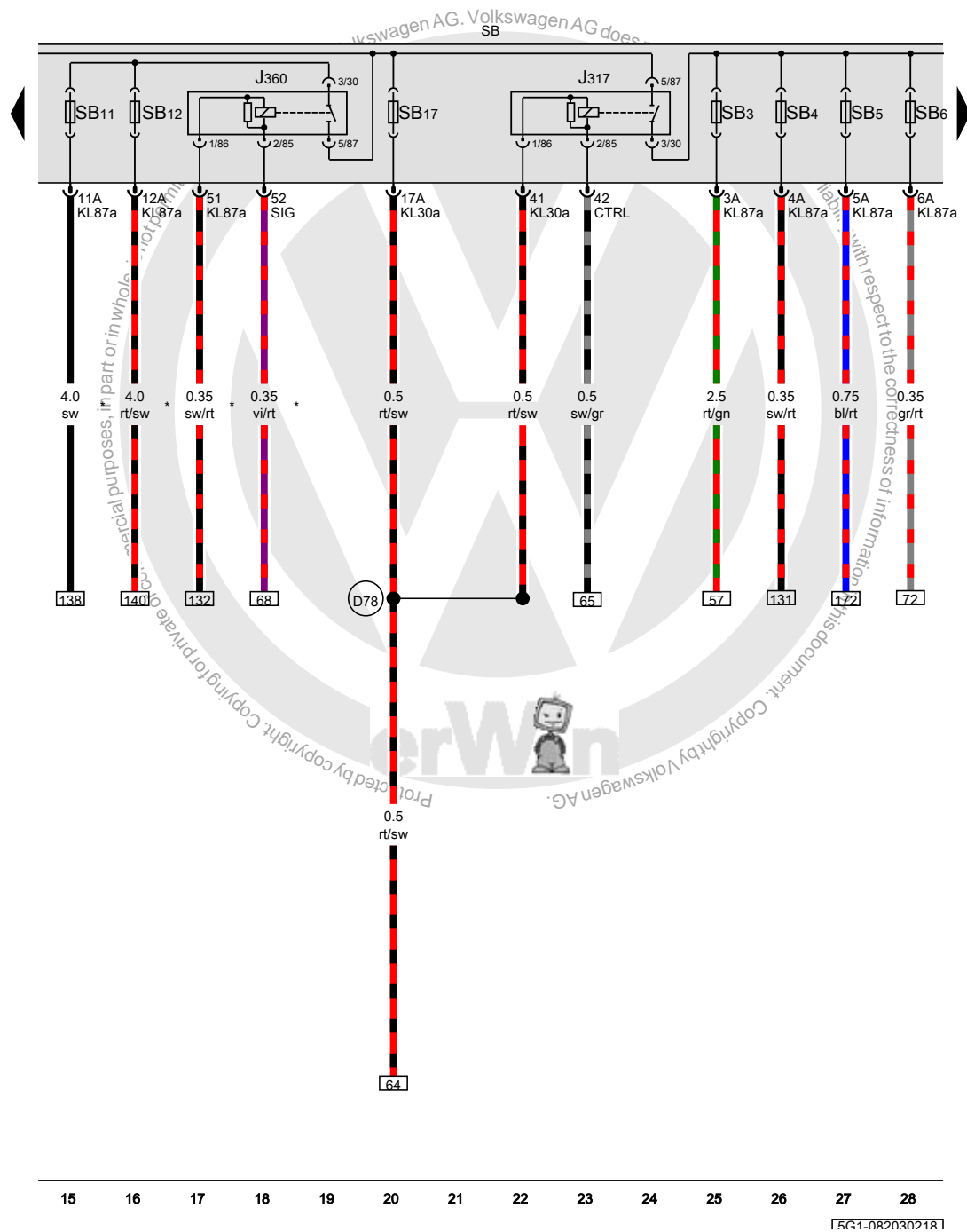




Battery, Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- | | |
|------|---|
| A | Battery |
| B | Starter |
| J367 | Battery monitor control unit |
| J906 | Starter relay 1 |
| J907 | Starter relay 2 |
| SB | Fuse holder B |
| SB18 | Fuse 18 on fuse holder B |
| SB22 | Fuse 22 on fuse holder B |
| SB23 | Fuse 23 on fuse holder B |
| T2 | 2-pin connector |
| T2bn | 2-pin connector |
| 12 | Earth point, on left in engine compartment |
| 508 | Threaded connection (30) on E-box |
| D52 | Positive connection (15a), in engine compartment wiring harness |
| * | For models with start/stop system |
| *2 | According to equipment |
| *3 | For models with no start/stop system |
| *4 | Cross-section 35.0 possible |
| *5 | For models with manual gearbox |
| *6 | For models with no auxiliary heater |
| *7 | Earth supply via housing |

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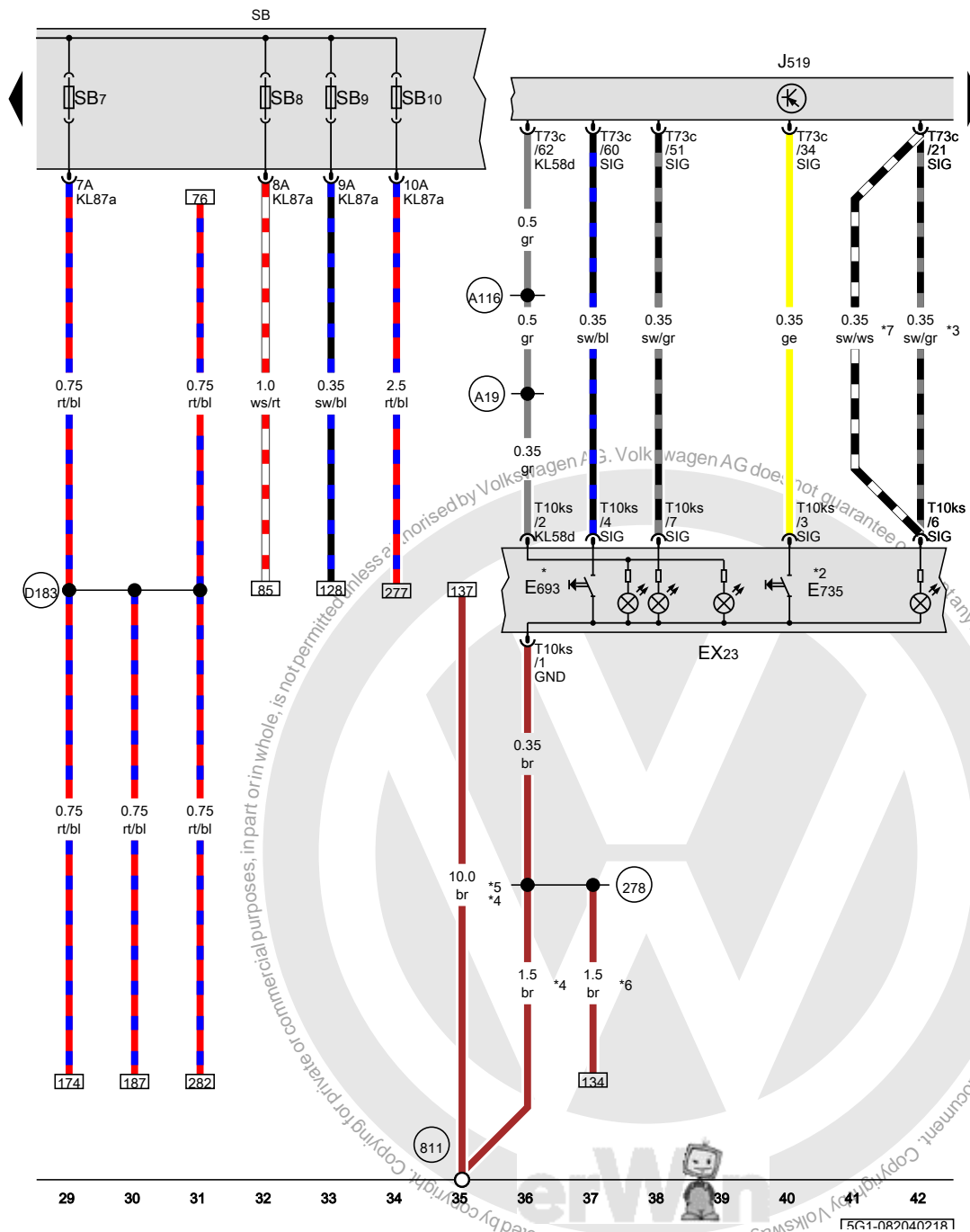
Terminal 30 voltage supply relay, High heat output relay, Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB17 Fuse 17 on fuse holder B

D78 Positive connection 1 (30a), in engine compartment wiring harness

* For models with auxiliary air heating

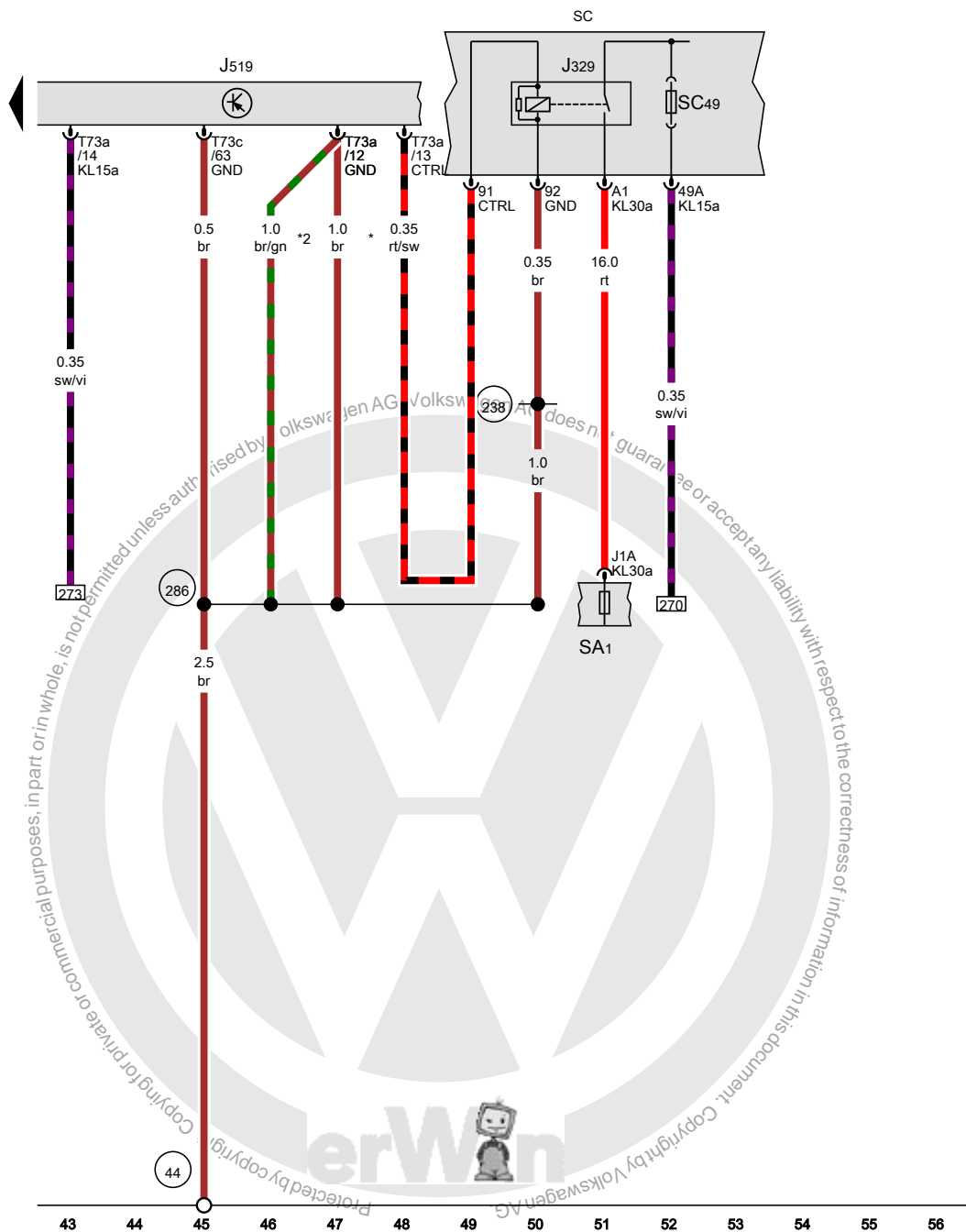
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Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit, Fuse holder B

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T10ks 10-pin connector
- T73c 73-pin connector
- 278 Earth connection 4, in interior wiring harness
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness
- * For models with start/stop system
- *2 According to equipment
- *3 Up to May 2015
- *4 For right-hand drive models
- *5 For models with auxiliary air heating
- *6 For left-hand drive models
- *7 From May 2015

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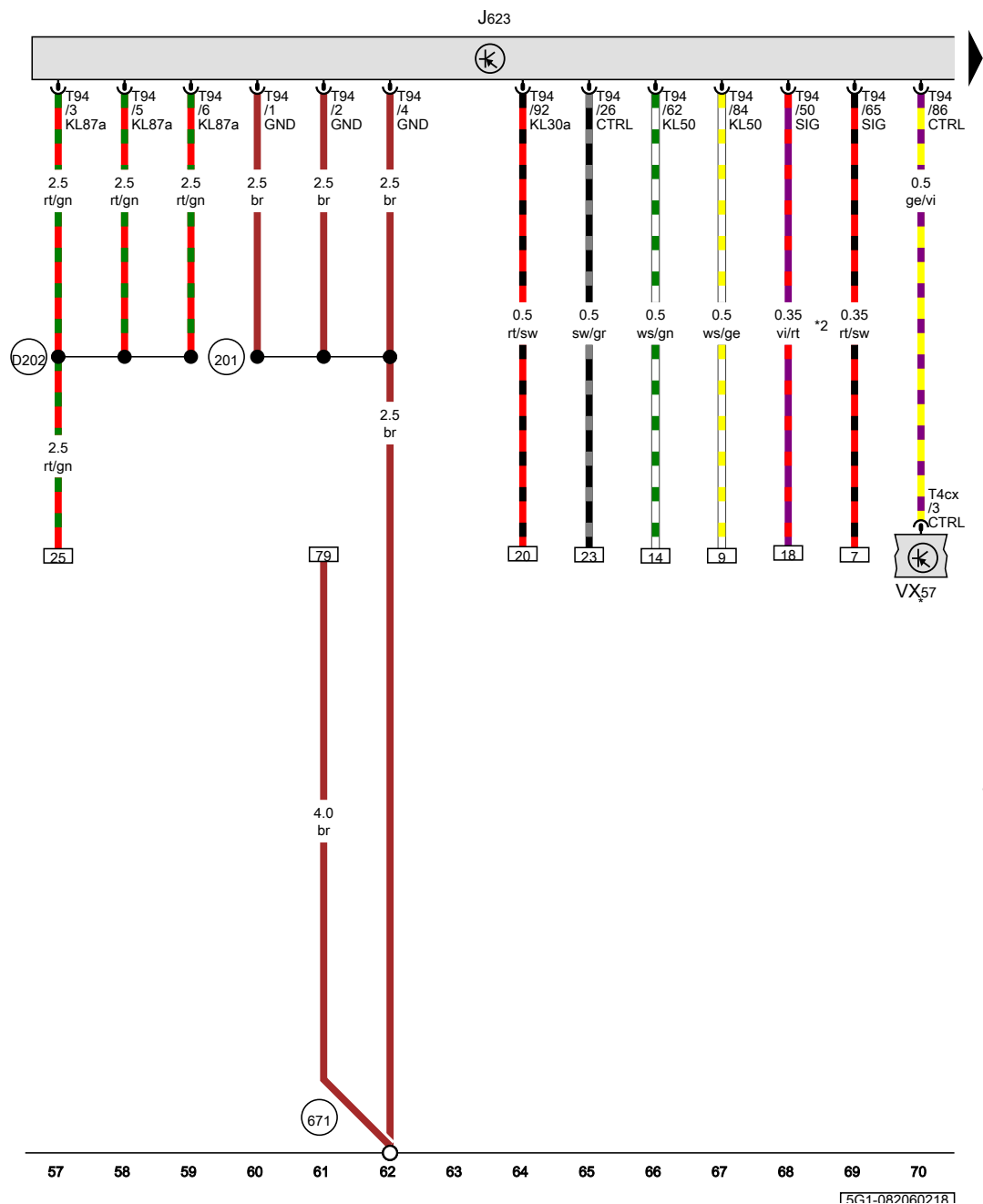


Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- * Up to November 2017
- *2 From November 2017

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Engine/motor control unit

J623 Engine/motor control unit

T4cx 4-pin connector

T94 94-pin connector

VX57 Radiator fan

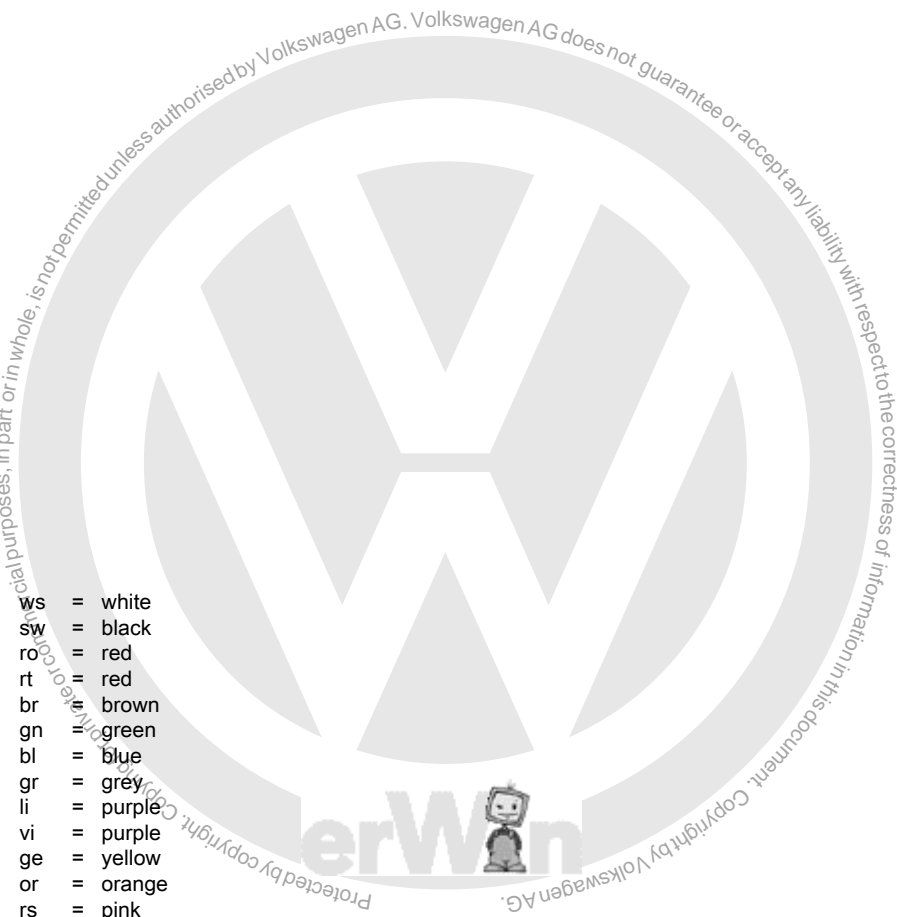
201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

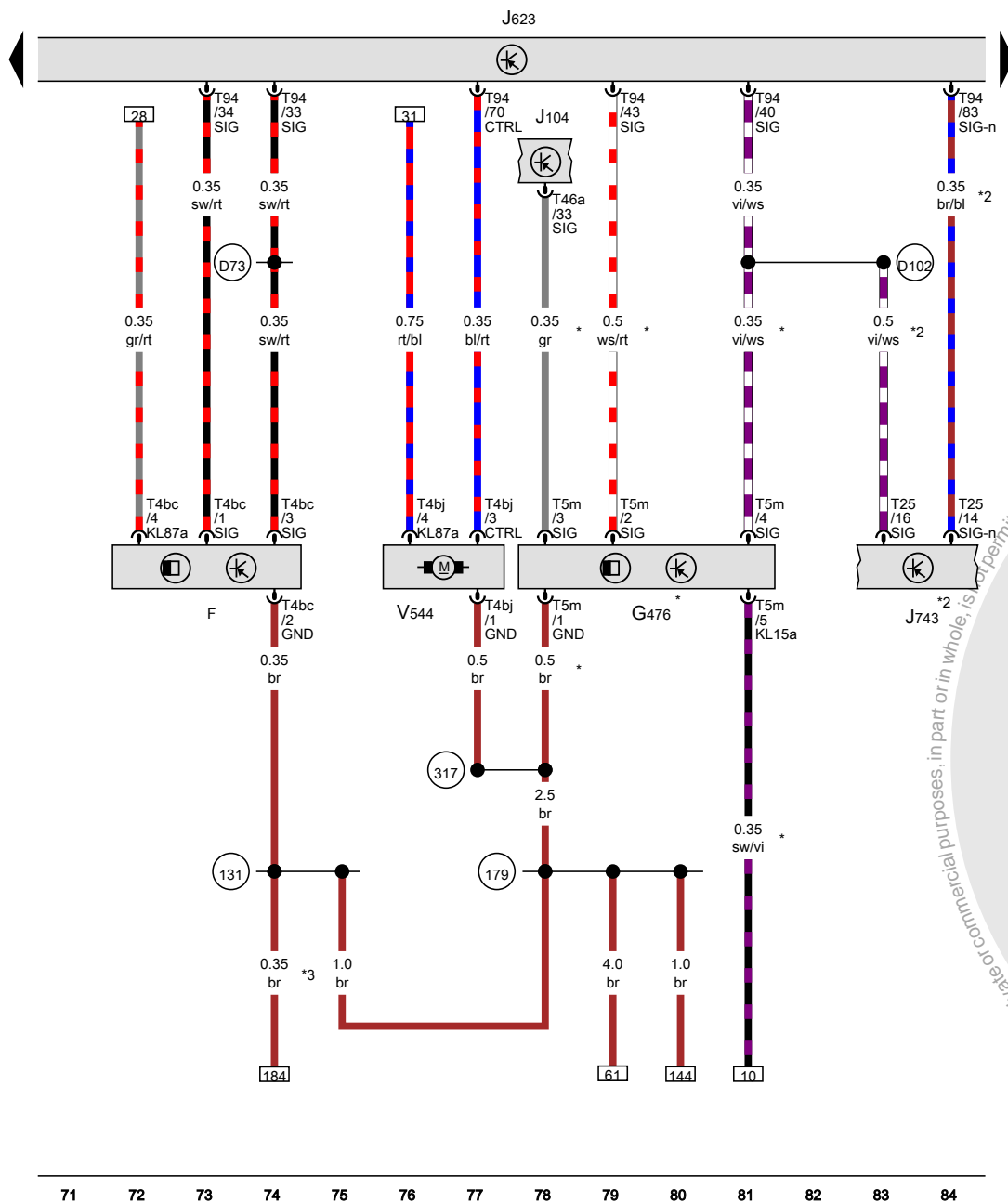
D202 Connection 6 (87a), in engine compartment wiring harness

* Pre-wired component

*2 For models with auxiliary air heating



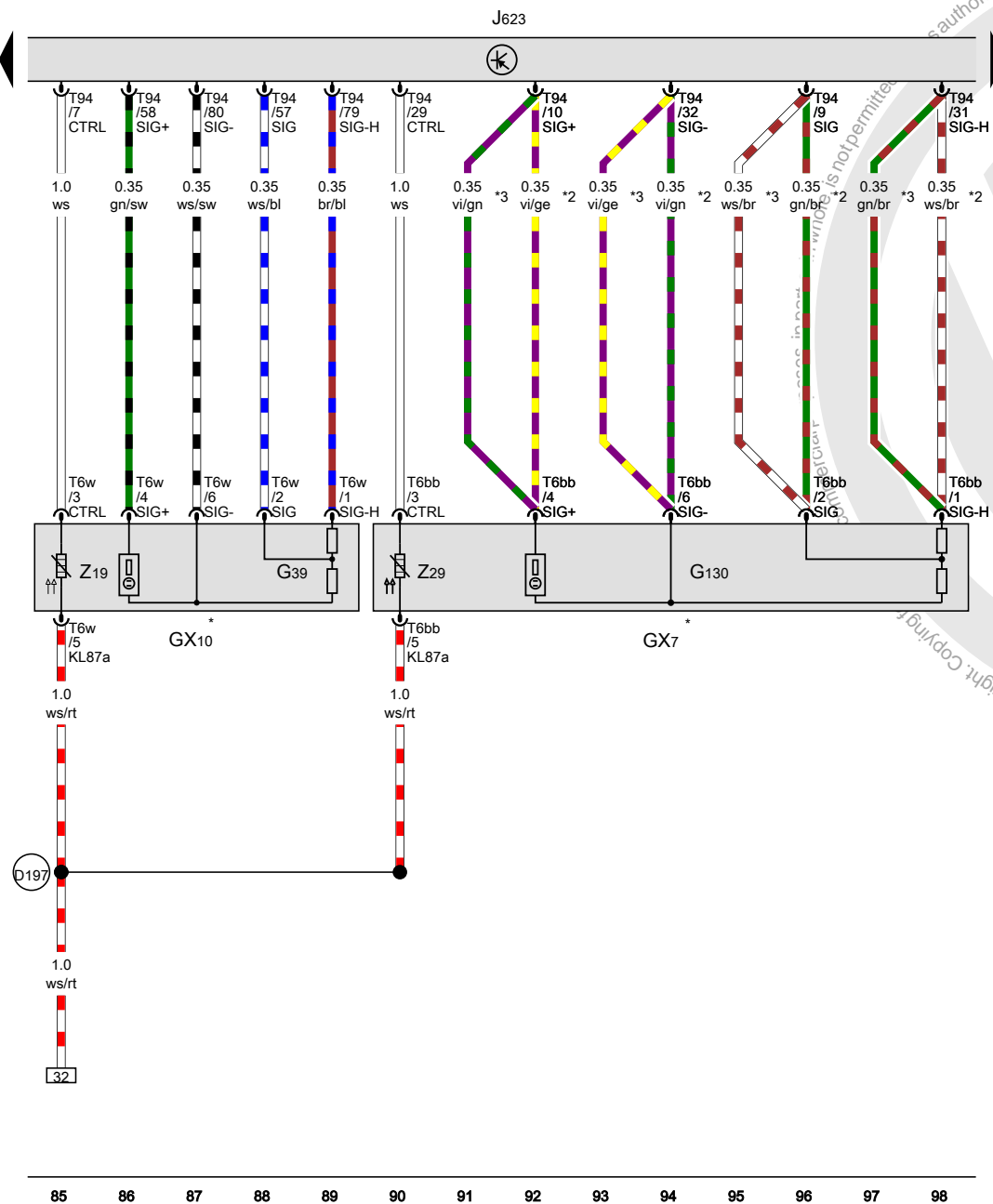
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Brake light switch, Clutch position sender, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Radiator blind control motor

- F Brake light switch
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4bc 4-pin connector
- T4bj 4-pin connector
- T5m 5-pin connector
- T25 25-pin connector
- T46a 46-pin connector
- T94 94-pin connector
- V544 Radiator blind control motor
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with manual gearbox
- *2 For models with dual clutch gearbox 0AM
- *3 For models with extended service intervals (ESI)

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 br = brown
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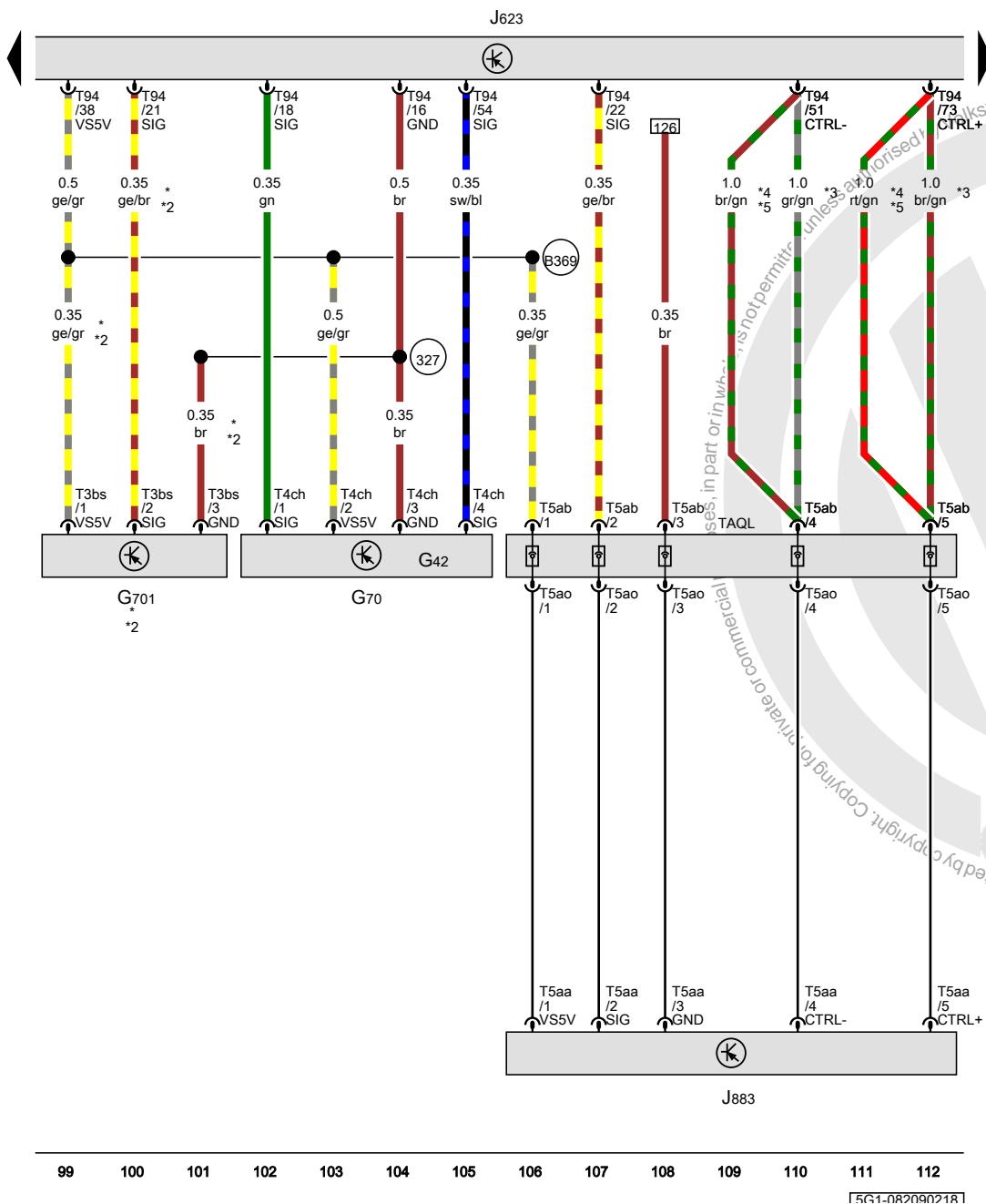


Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit

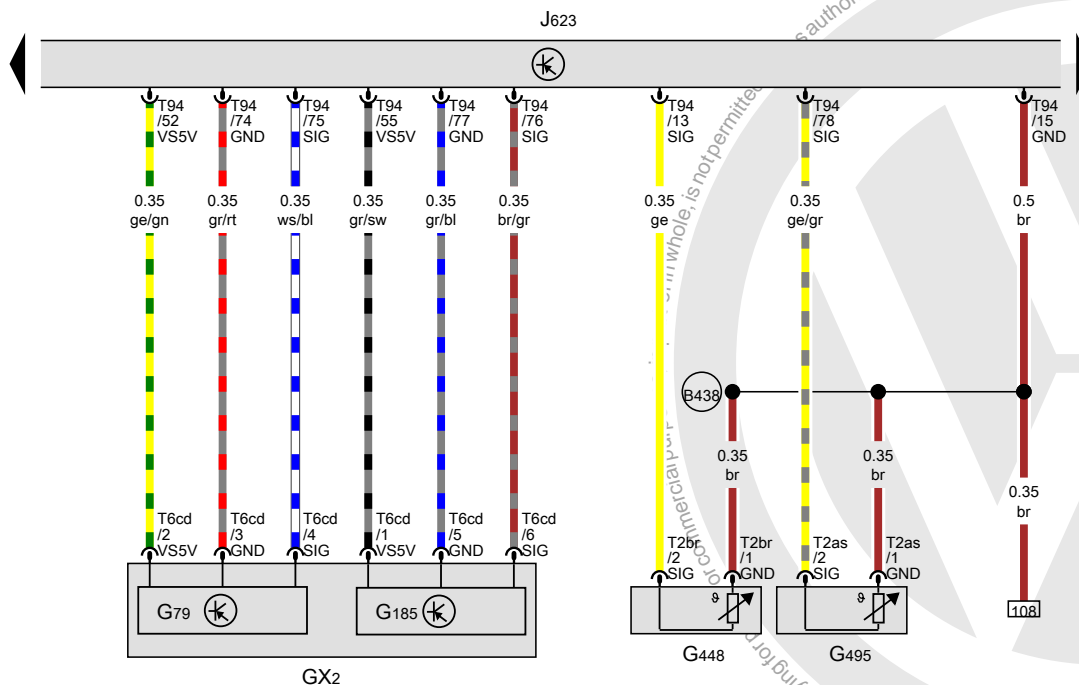
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T6bb 6-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 For right-hand drive models
- *3 For left-hand drive models

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Air mass meter, Gearbox neutral position sender, Engine/motor control unit, Exhaust flap control unit



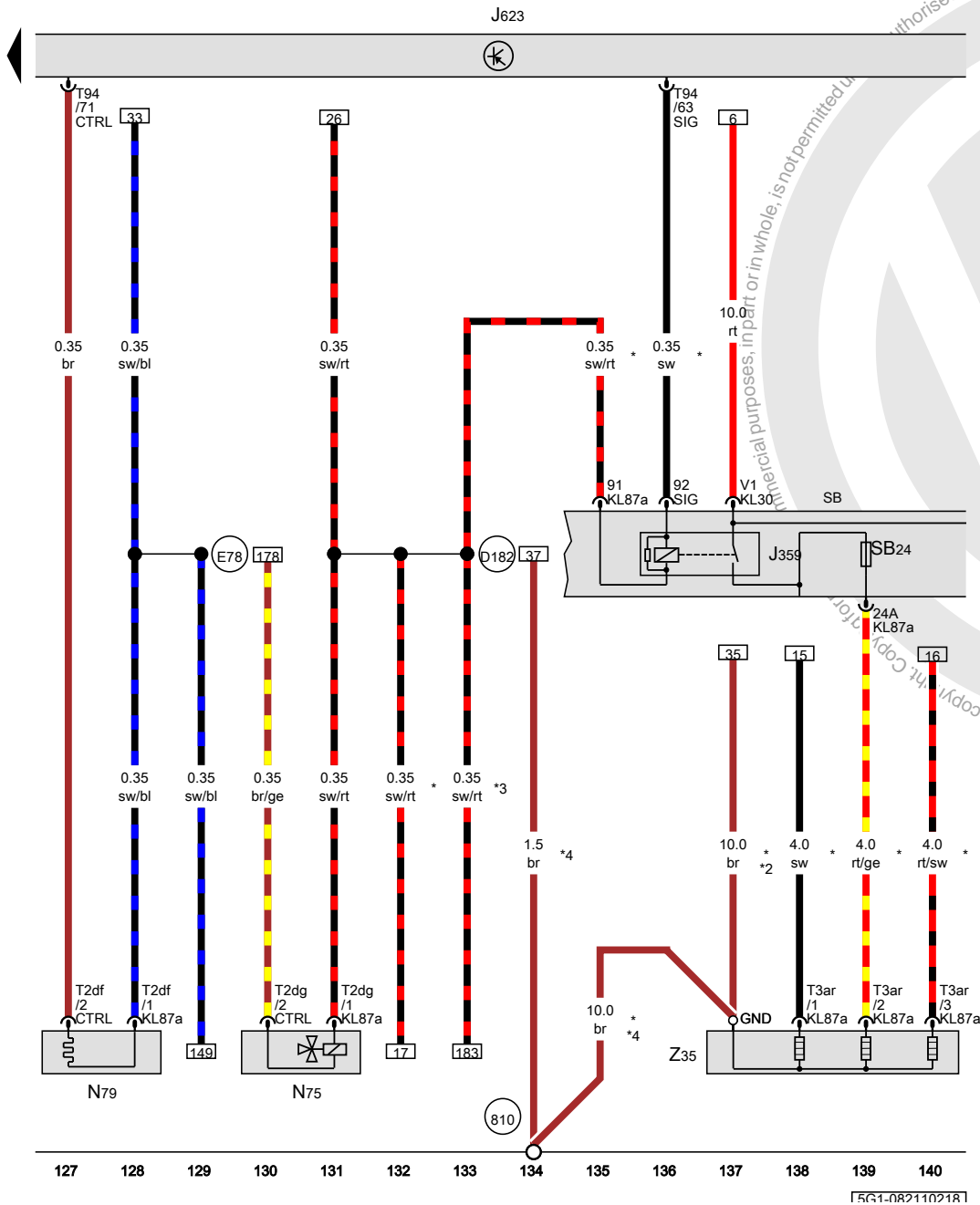
- G42 Intake air temperature sender
- G70 Air mass meter
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T3bs 3-pin connector
- T4ch 4-pin connector
- T5aa 5-pin connector
- T5ab 5-pin connector, brown
- T5ao 5-pin connector
- T94 94-pin connector
- TAQL Coupling point on rear cross member, left
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B369 Connection 1 (5V), in main wiring harness
- * For models with start/stop system
- *2 For models with manual gearbox
- *3 According to equipment
- *4 From November 2017
- *5 For right-hand drive models



Accelerator pedal module, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- J623 Engine/motor control unit
- T2as 2-pin connector
- T2br 2-pin connector
- T6cd 6-pin connector
- T94 94-pin connector
- B438 Connection 2 (GND (earth)), in main wiring harness

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Low heat output relay, Engine/motor control unit, Charge pressure control solenoid valve, Heater element for crankcase breather, Fuse holder B, Auxiliary air heater element

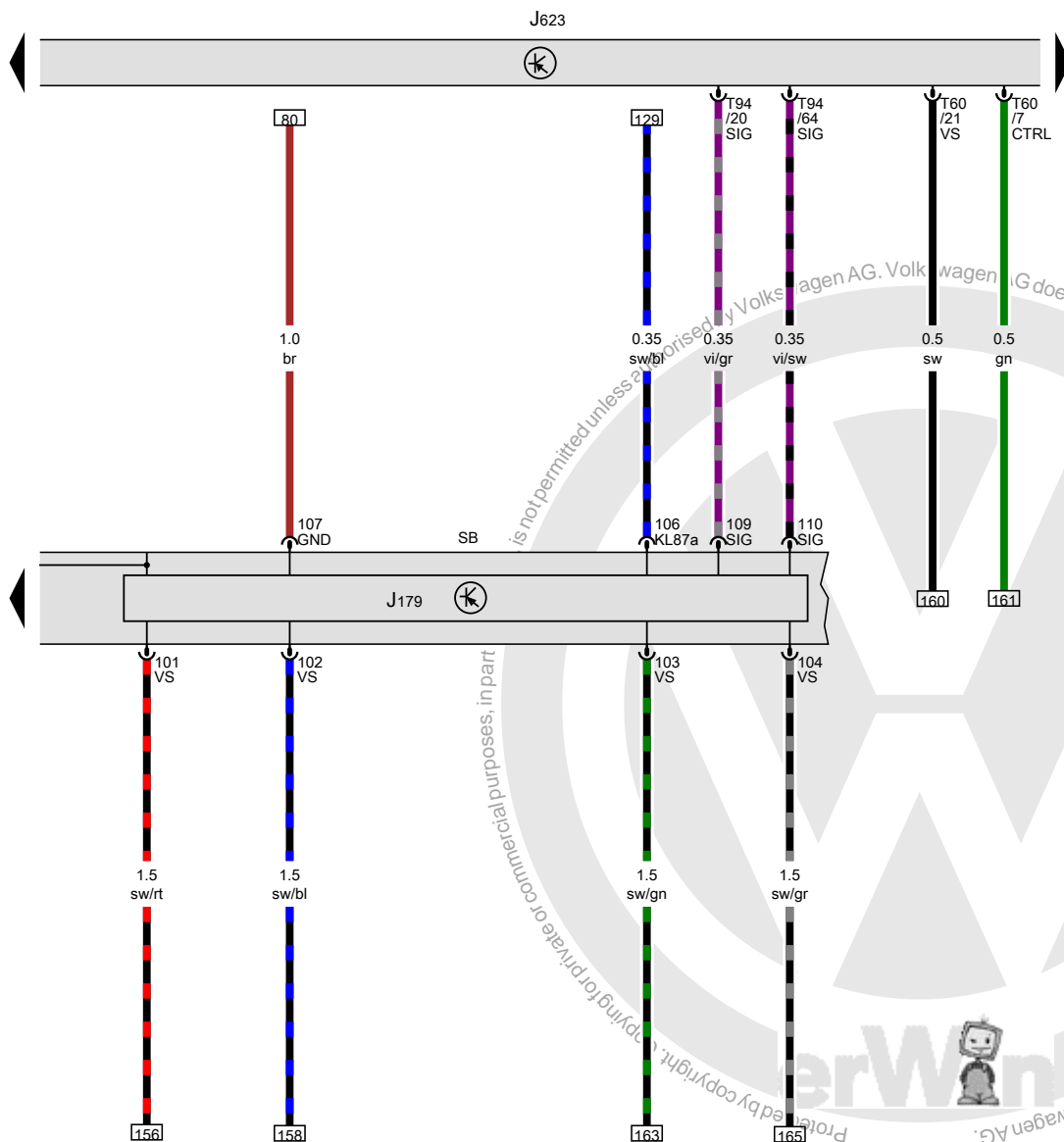
- J359 Low heat output relay
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- SB Fuse holder B
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T2dg 2-pin connector
- T3ar 3-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

- 810 Earth point on central tube for dash panel, centre left
- D182 Connection 3 (87a), in engine compartment wiring harness
- E78 Connection 2 (87a) in engine wiring harness
- * For models with auxiliary air heating
- *2 For right-hand drive models
- *3 For models with extended service intervals (ESI)
- *4 For left-hand drive models

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Automatic glow period control unit, Engine/motor control unit, Fuse holder B

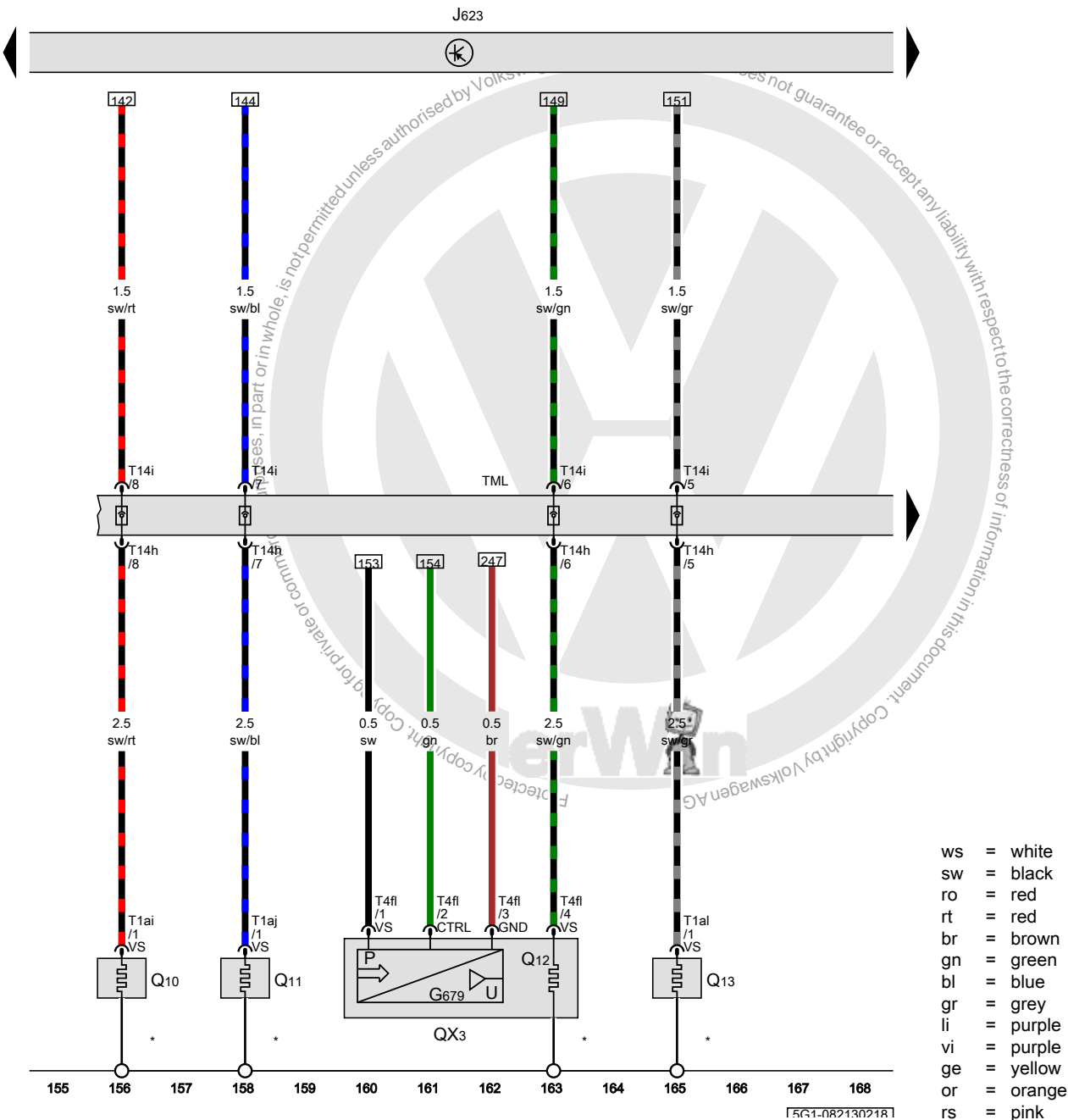
- J179 Automatic glow period control unit
- J623 Engine/motor control unit
- SB Fuse holder B
- T60 60-pin connector
- T94 94-pin connector



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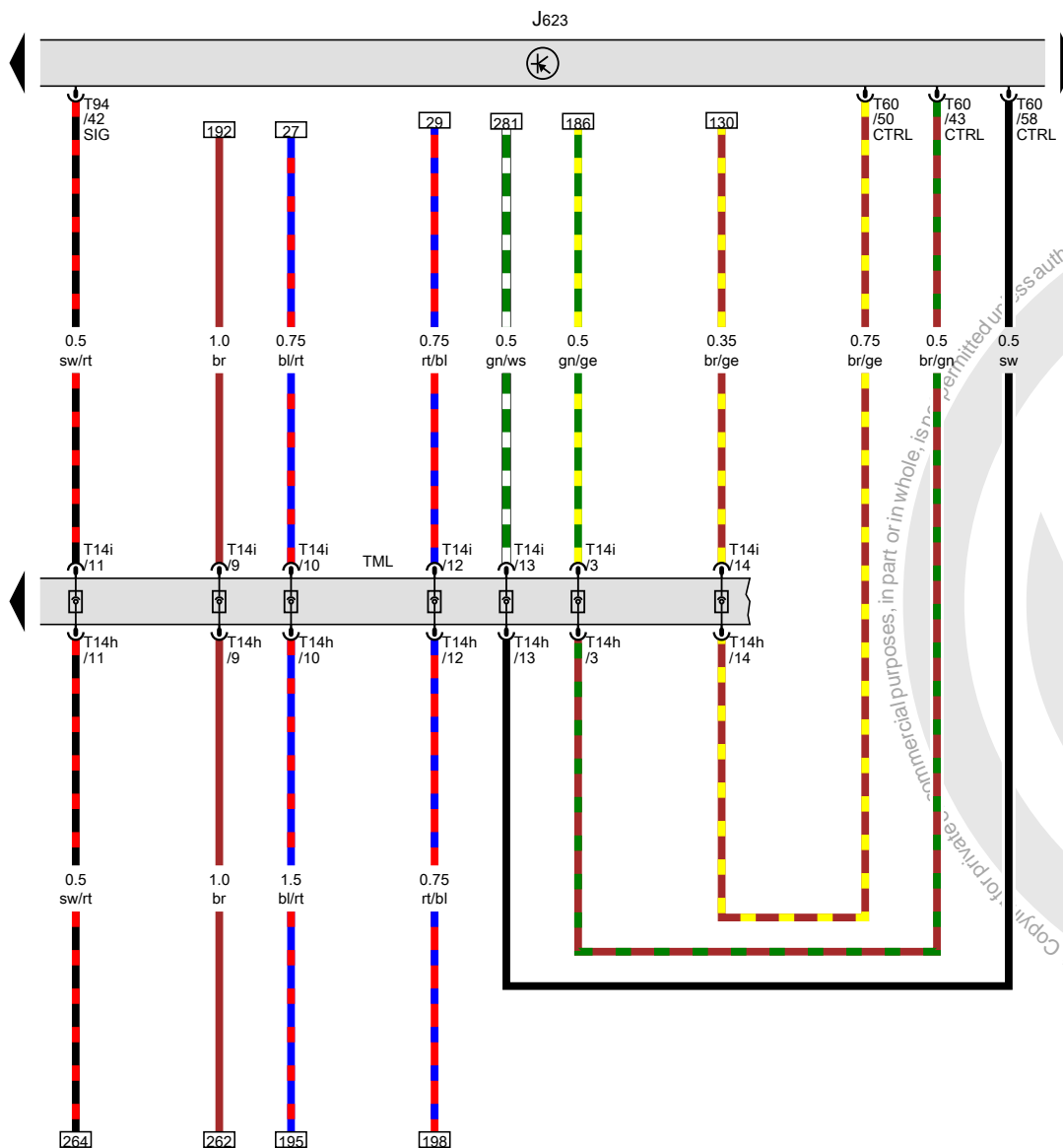
Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T4fl 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- * Earth supply via housing

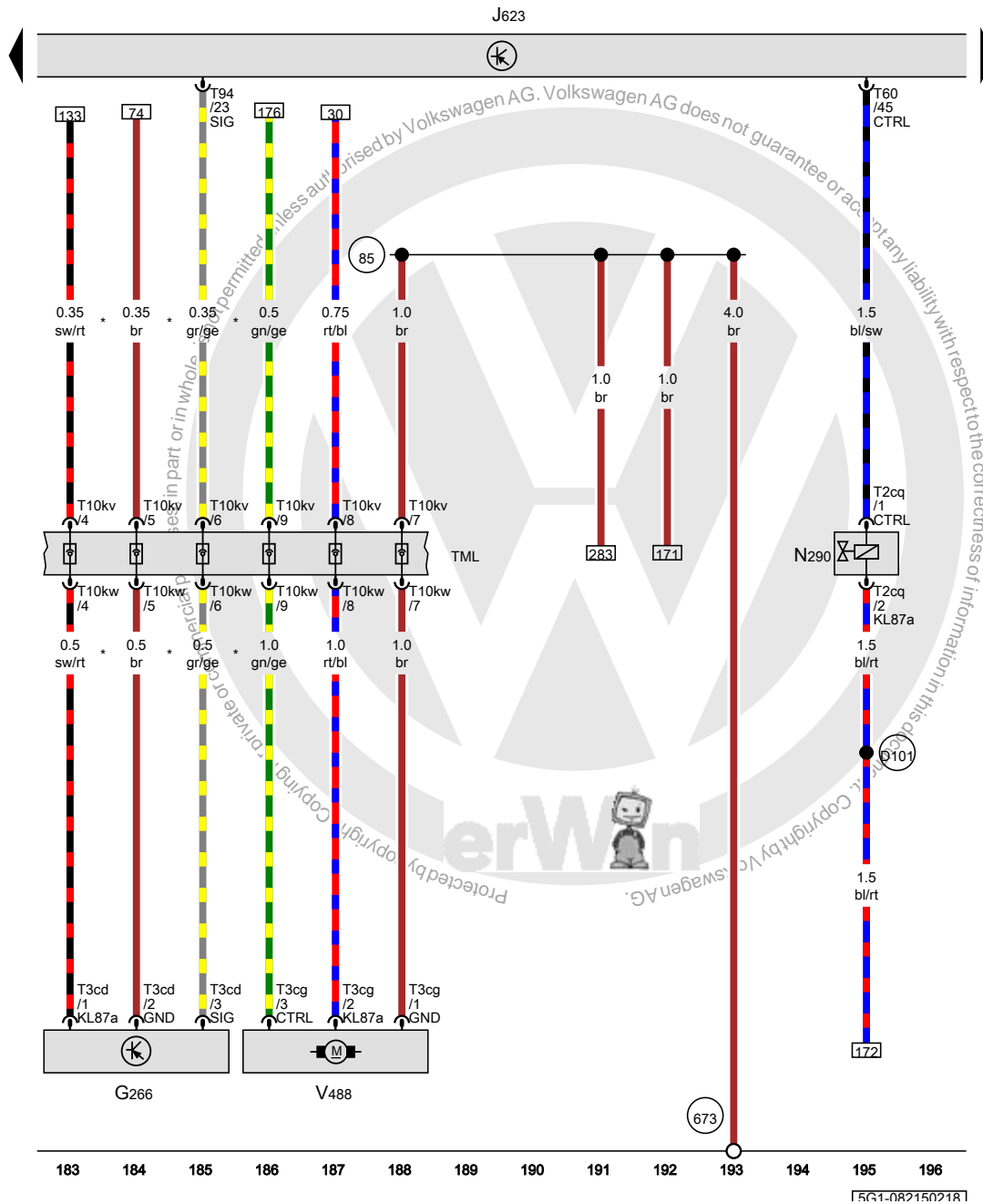


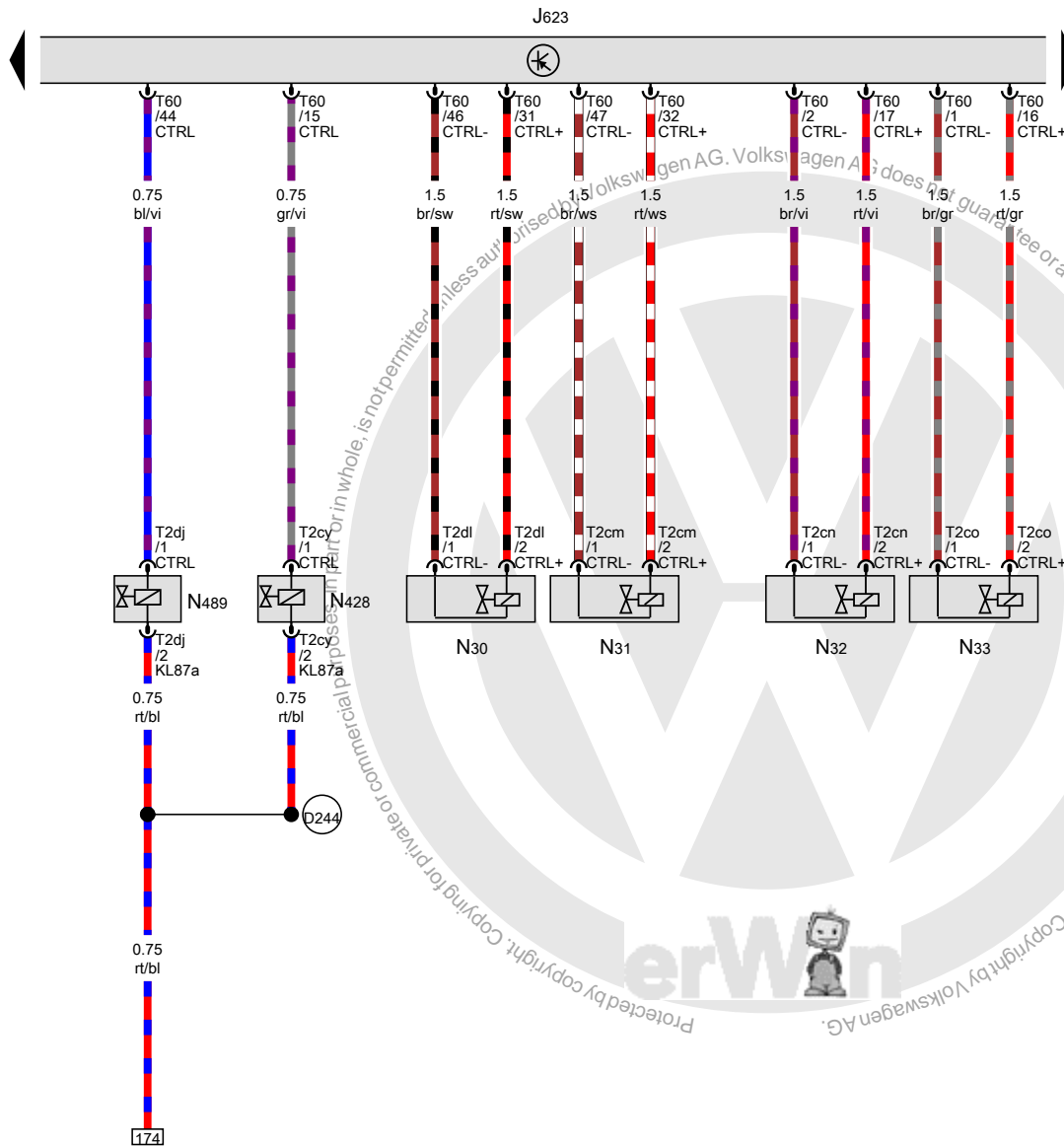
Engine/motor control unit

- J623 Engine/motor control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left



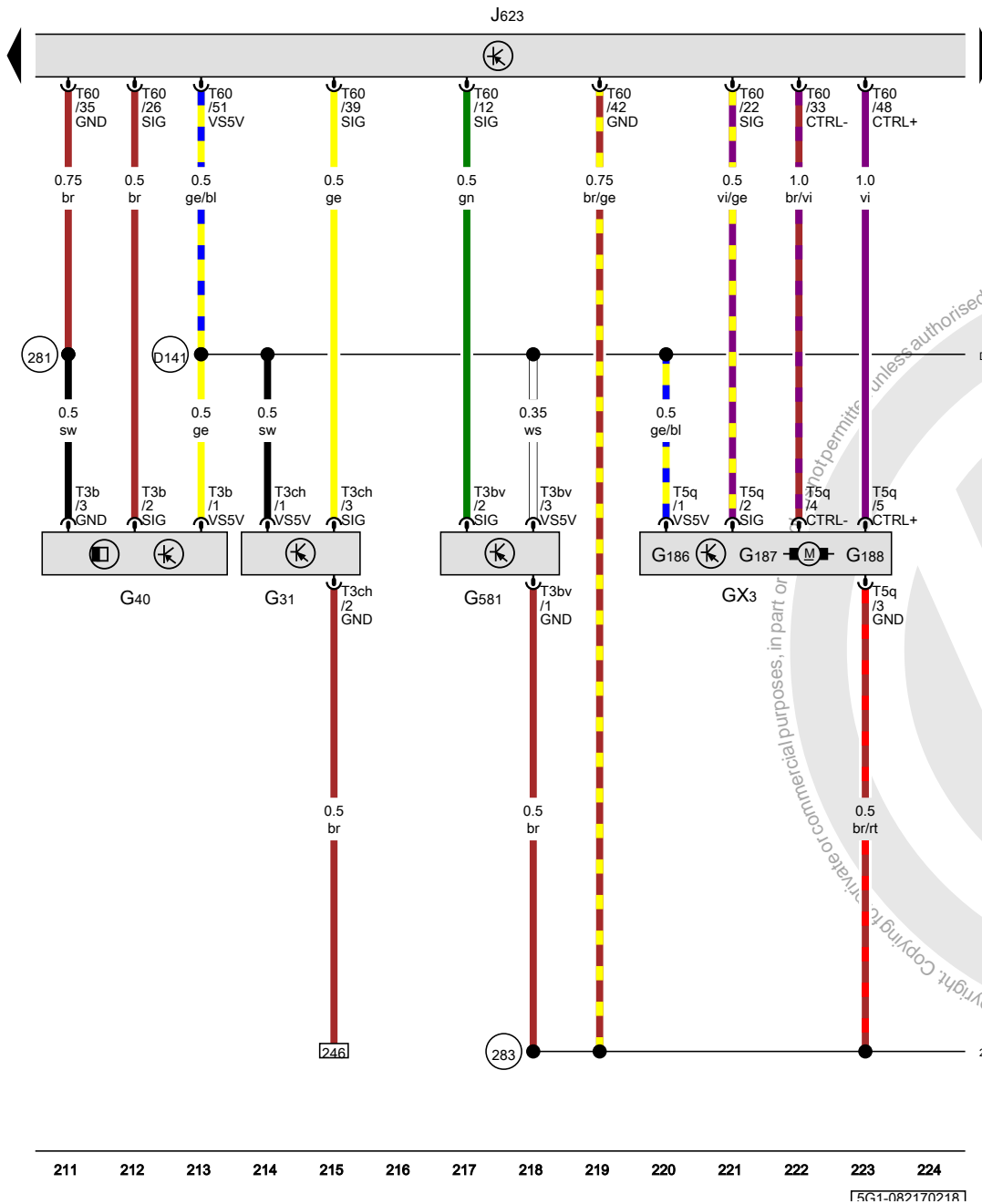
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Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Valve for oil pressure control, Coolant valve for cylinder head

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2cy 2-pin connector
- T2dj 2-pin connector
- T2dl 2-pin connector
- T60 60-pin connector
- D244 Connection 5 (87a) in engine prewiring harness

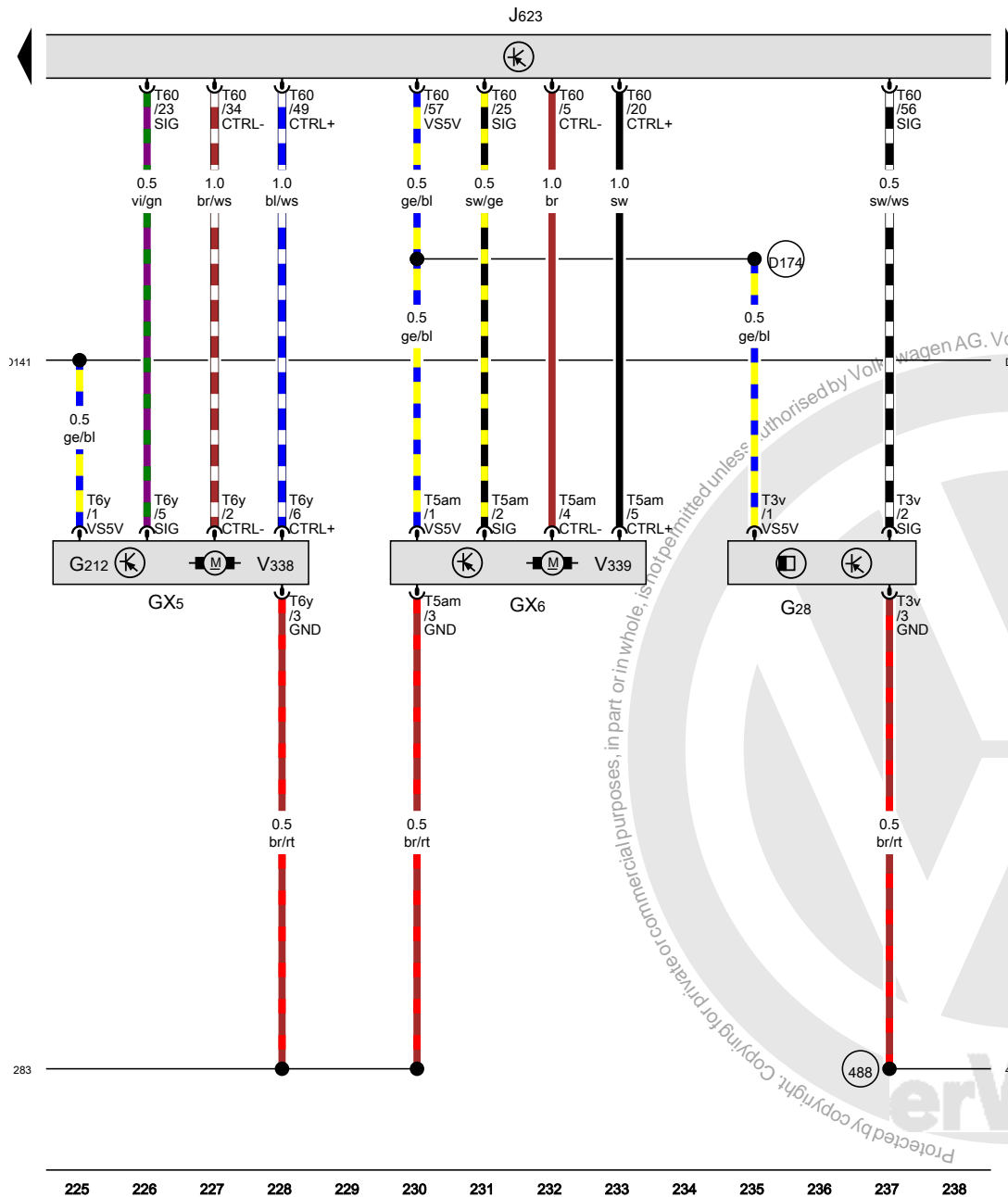


Throttle valve module, Charge pressure sender, Hall sender, Position sender for charge pressure positioner, Engine/motor control unit

- GX3 Throttle valve module
- G31 Charge pressure sender
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3b 3-pin connector
- T3bv 3-pin connector
- T3ch 3-pin connector
- T5q 5-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- 283 Earth point 2, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

- ws = white
- ro = black
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

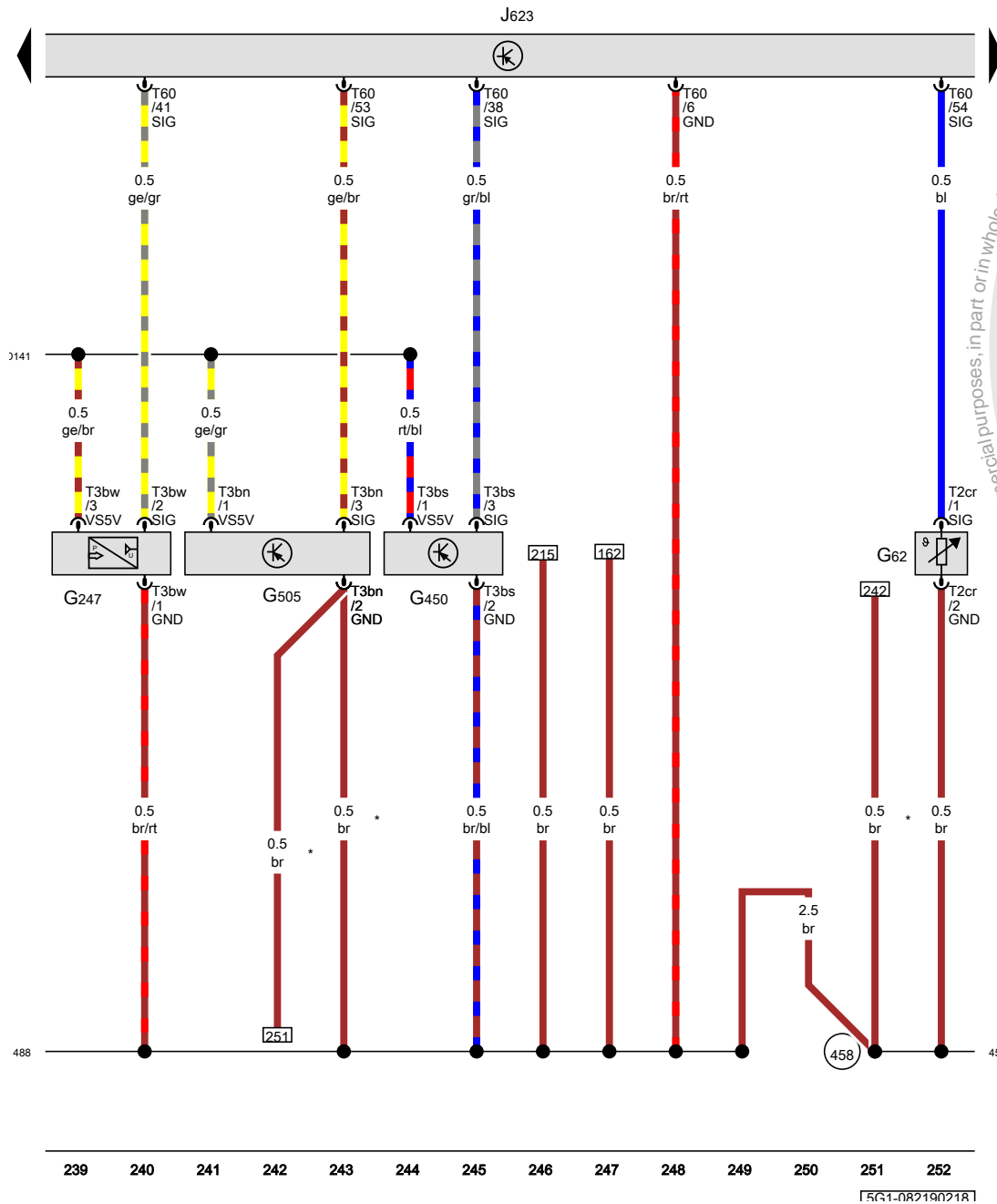


Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- J623 Engine/motor control unit
- T3v 3-pin connector
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

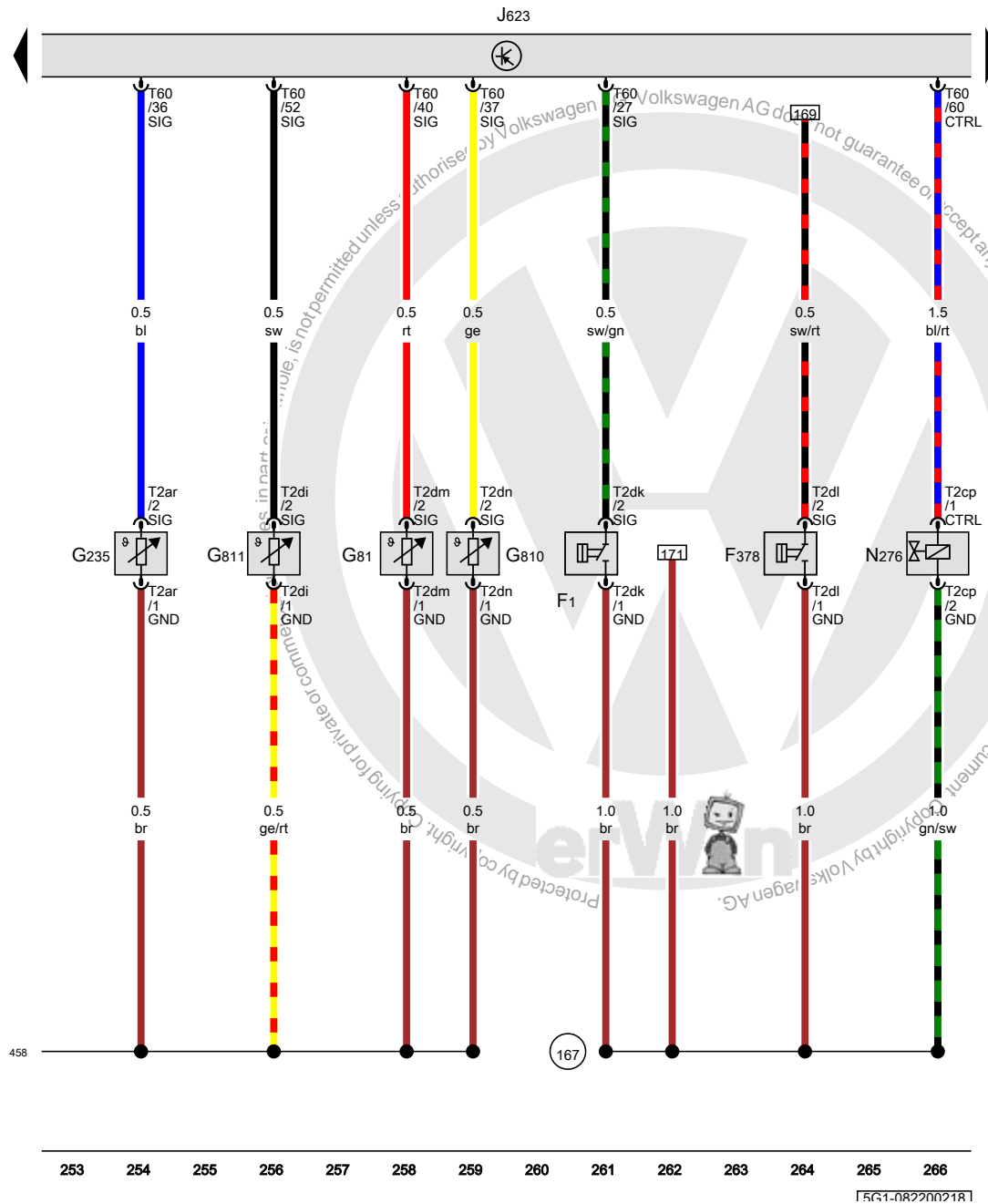
- 283 Earth point 2, engine prewiring harness
- 488 Earth point 6, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

- ws = white
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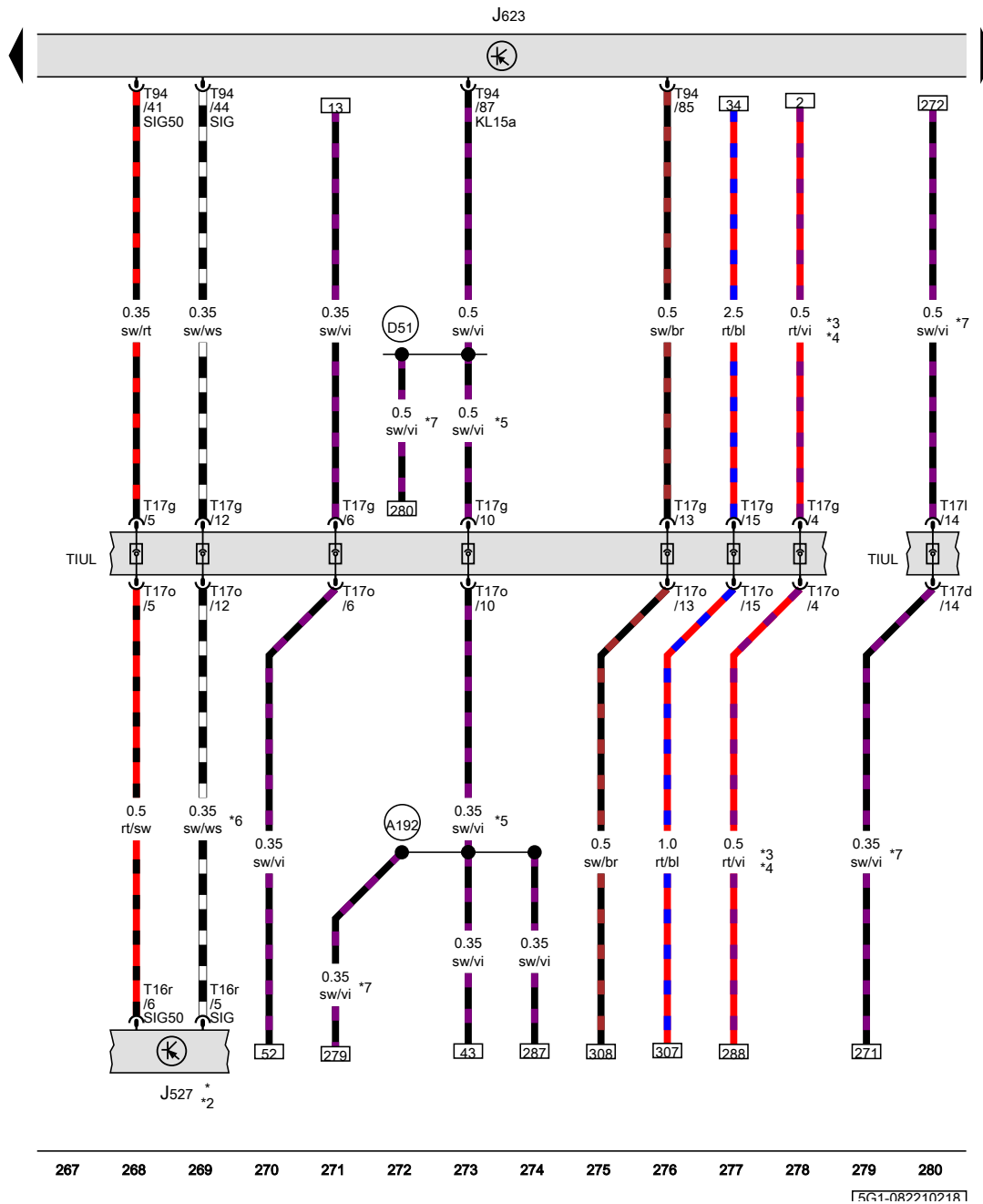
Coolant temperature sender, Fuel pressure sender, Exhaust gas pressure sensor 1, Pressure differential sender, Engine/motor control unit

- G62 Coolant temperature sender
- G247 Fuel pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3bn 3-pin connector
- T3bs 3-pin connector
- T3bw 3-pin connector
- T60 60-pin connector
- 458 Earth point 3, engine prewiring harness
- 488 Earth point 6, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- * According to equipment



Oil pressure switch, Oil pressure switch for reduced oil pressure, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit, Fuel pressure regulating valve

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- T2ar 2-pin connector
- T2cp 2-pin connector
- T2di 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector
- 167 Earth connection 4, in engine compartment wiring harness
- 458 Earth point 3, engine prewiring harness



Steering column electronics control unit, Engine/motor control unit

- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

* see applicable current flow diagram

*2 For models with no heated steering wheel

*3 For models with no start/stop system

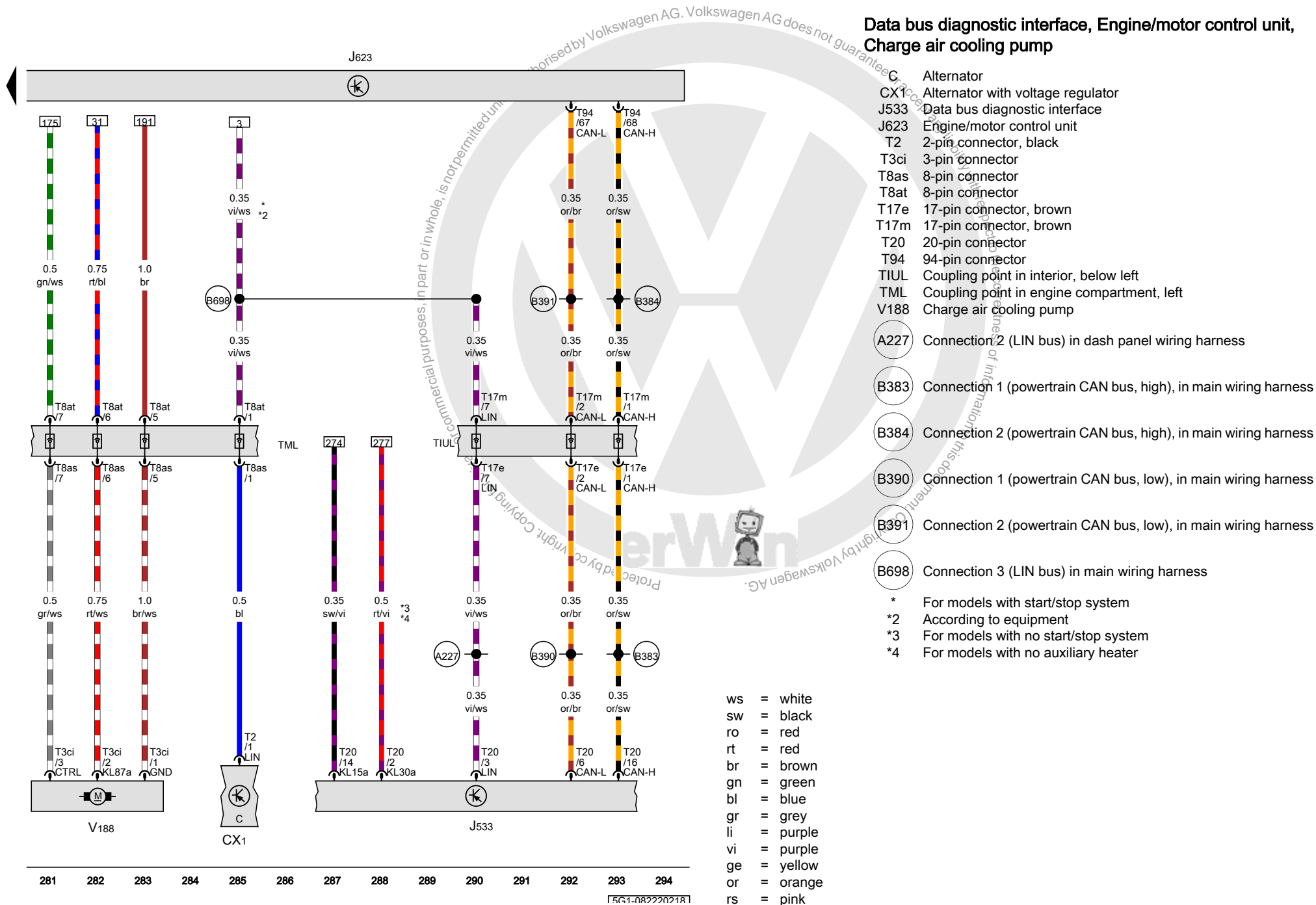
*4 For models with no auxiliary heater

*5 Up to November 2017

*6 For models with cruise control system (CCS)

*7 From November 2017

- ws = white
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Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T6cg 6-pin connector
- T18 18-pin connector

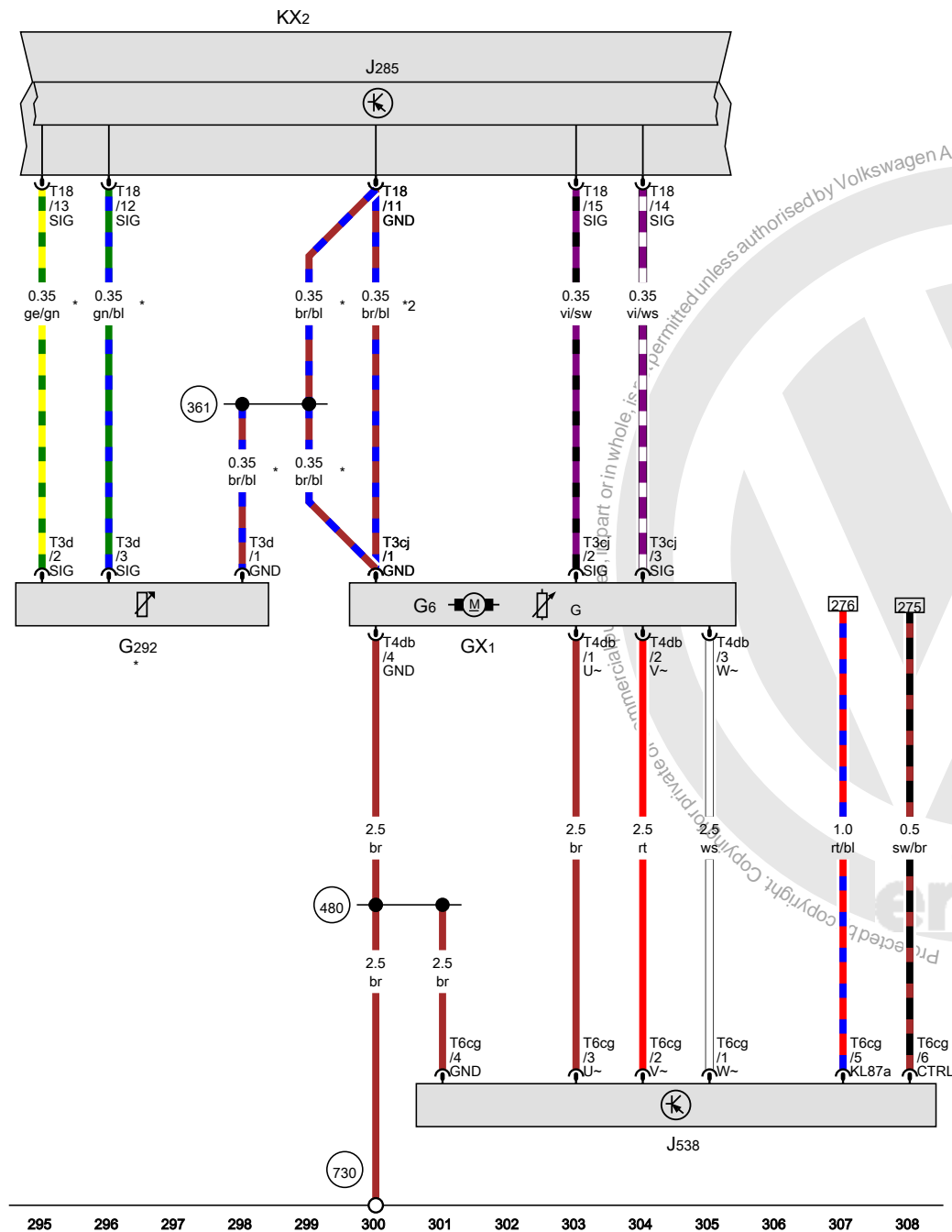
(361) Earth connection (fuel gauge sender), in main wiring harness

(480) Earth connection, in fuel tank wiring harness

(730) Earth point 1, on right rear wheel housing

* For models with all-wheel drive

*2 For models with no all-wheel drive



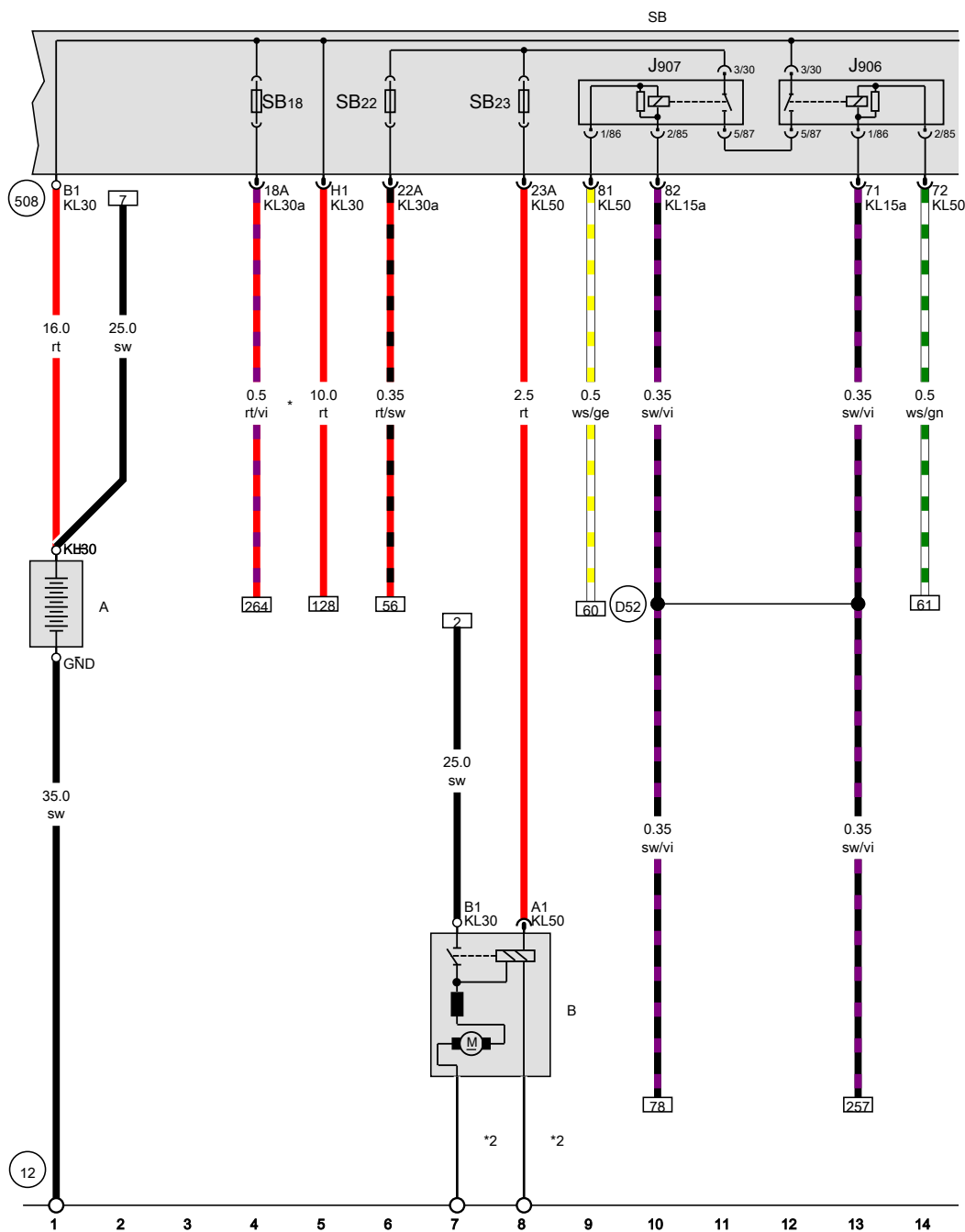
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2.0l diesel engine , CYKB

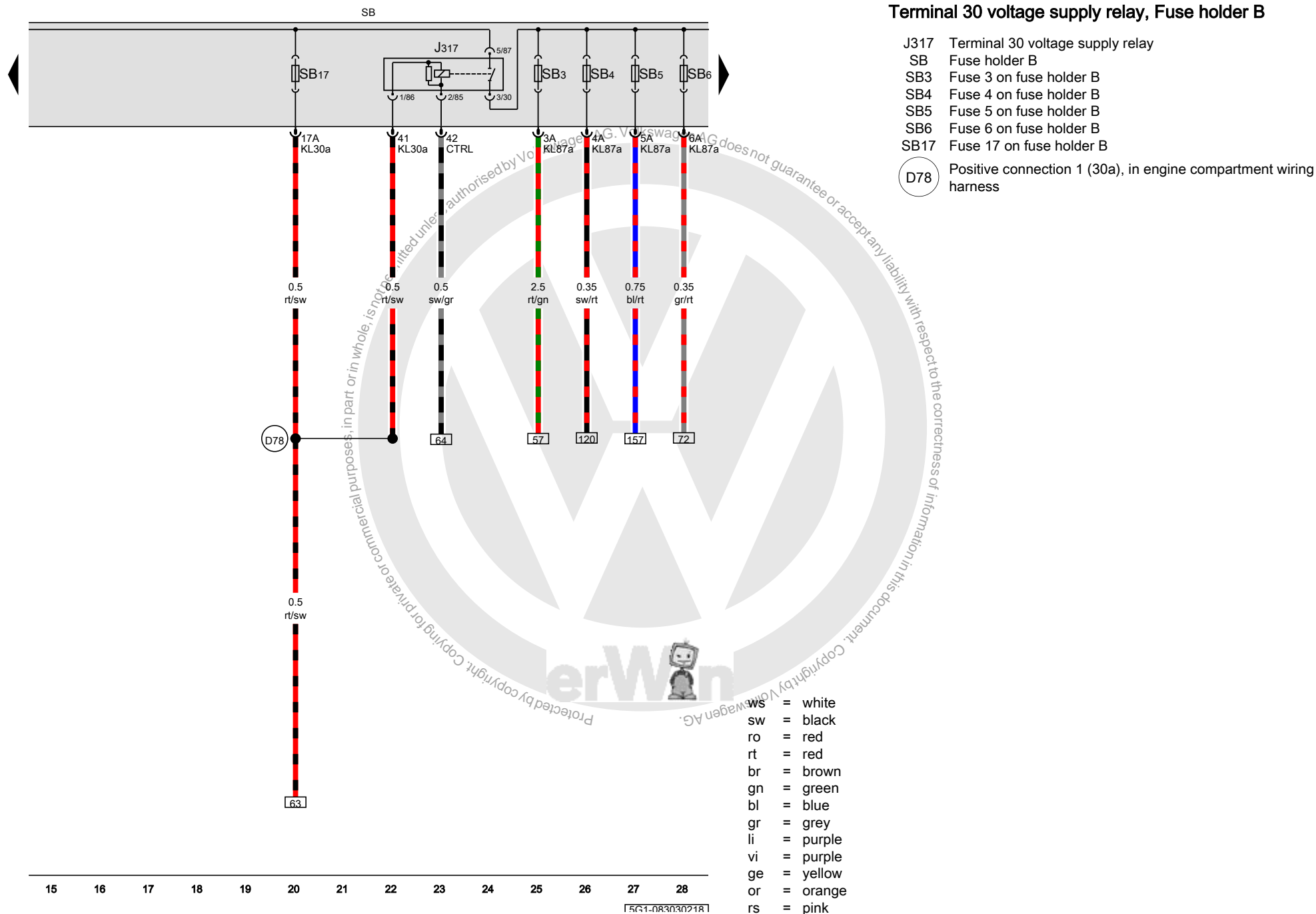
From November 2014

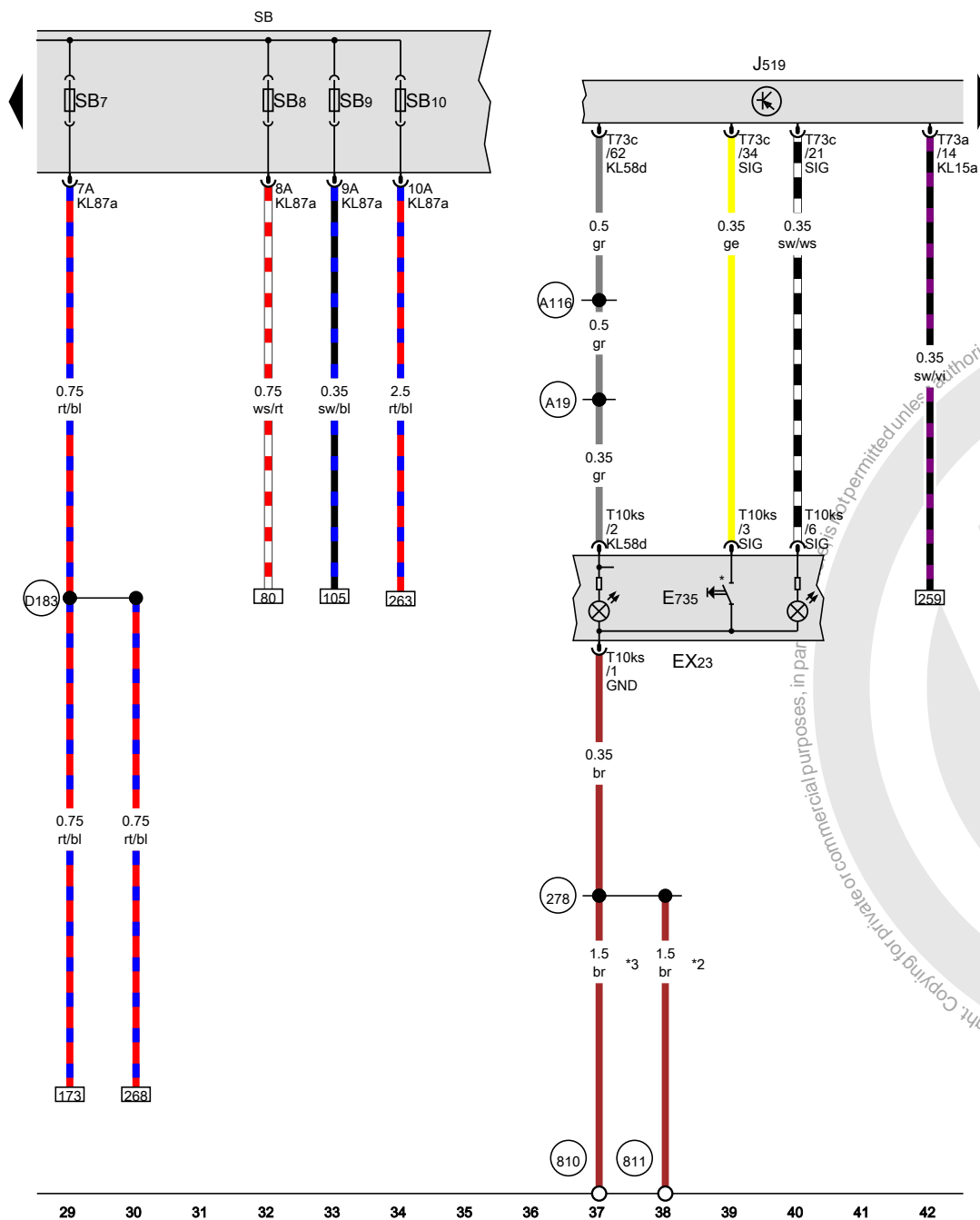




Battery, Starter, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- D52 Positive connection (15a), in engine compartment wiring harness
- * For models with no auxiliary heater
- *2 Earth supply via housing



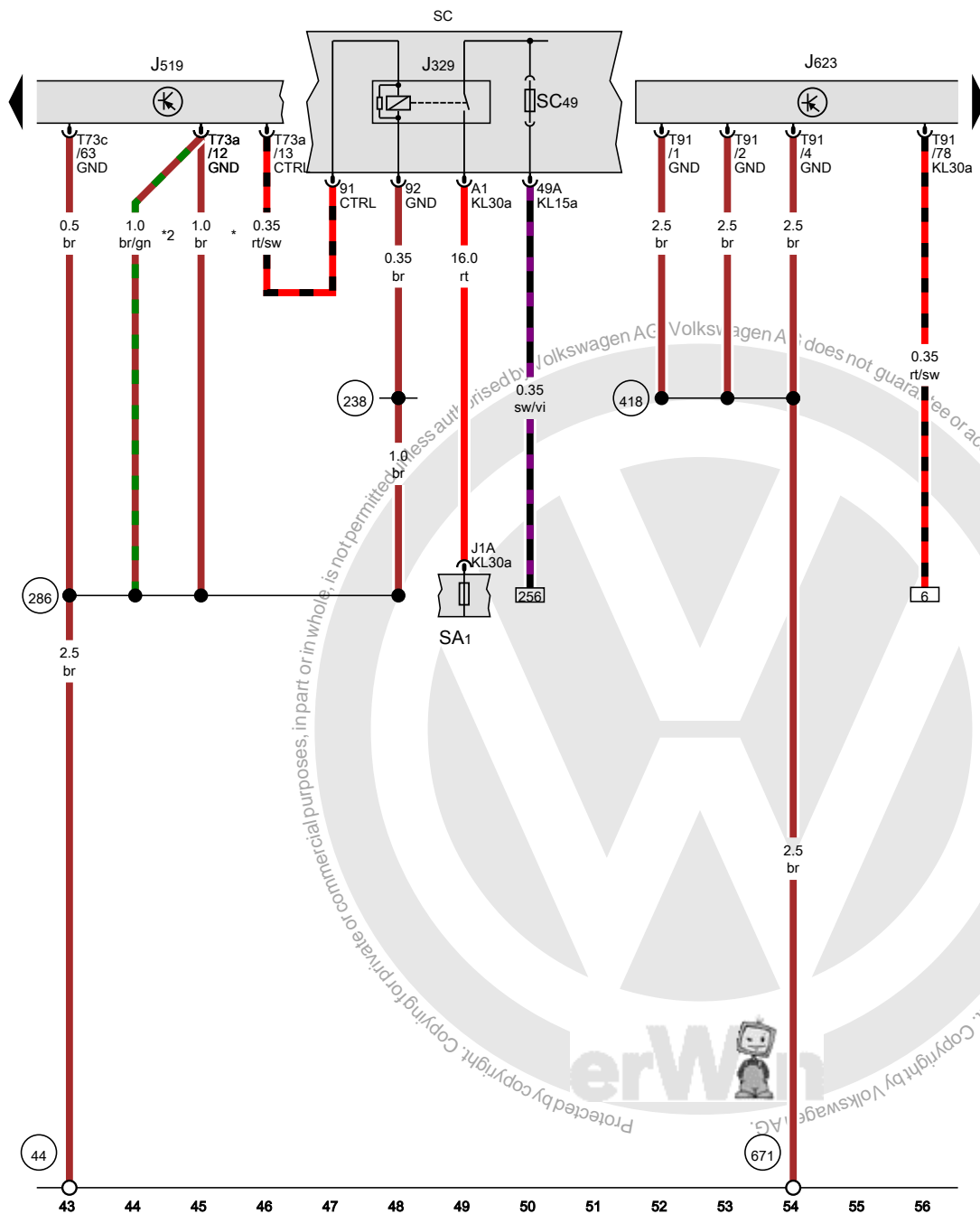


Switch module 1 in centre console, Onboard supply control unit, Fuse holder B

- EX23 Switch module 1 in centre console
- E735 Driving mode selection button
- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness
- * According to equipment
- *2 For right-hand drive models
- *3 For left-hand drive models

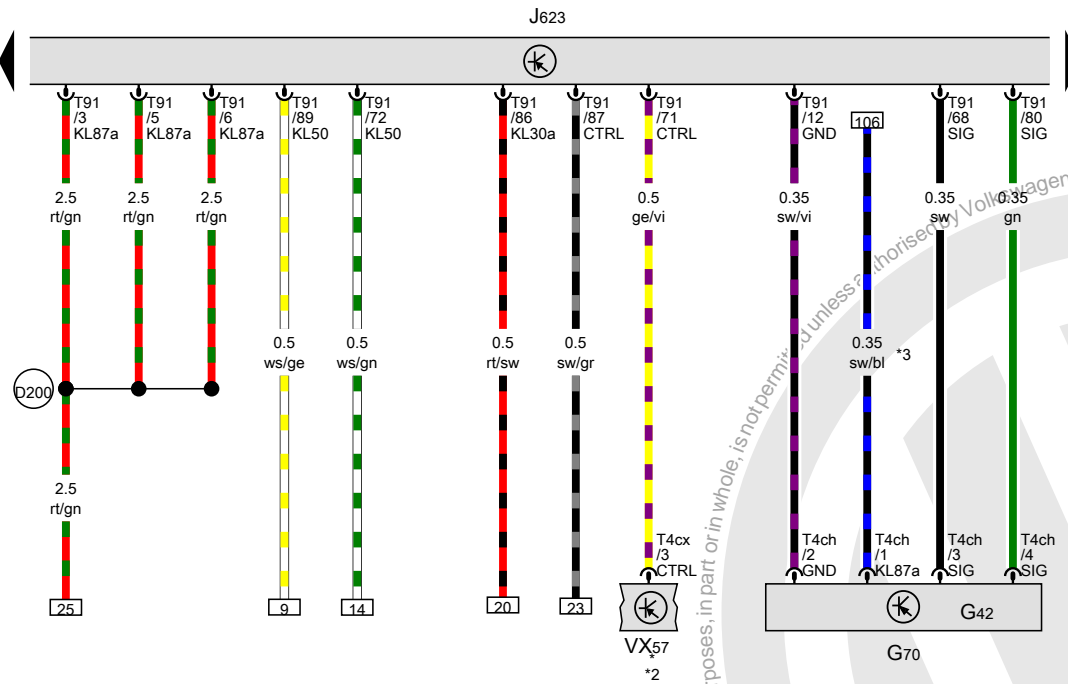
ws = white
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Terminal 15 voltage supply relay, Onboard supply control unit, Engine/motor control unit, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- T91 91-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 418 Earth connection 10, in engine compartment wiring harness
- 671 Earth point 1, on front of left longitudinal member
- * Up to November 2017
- *2 From November 2017

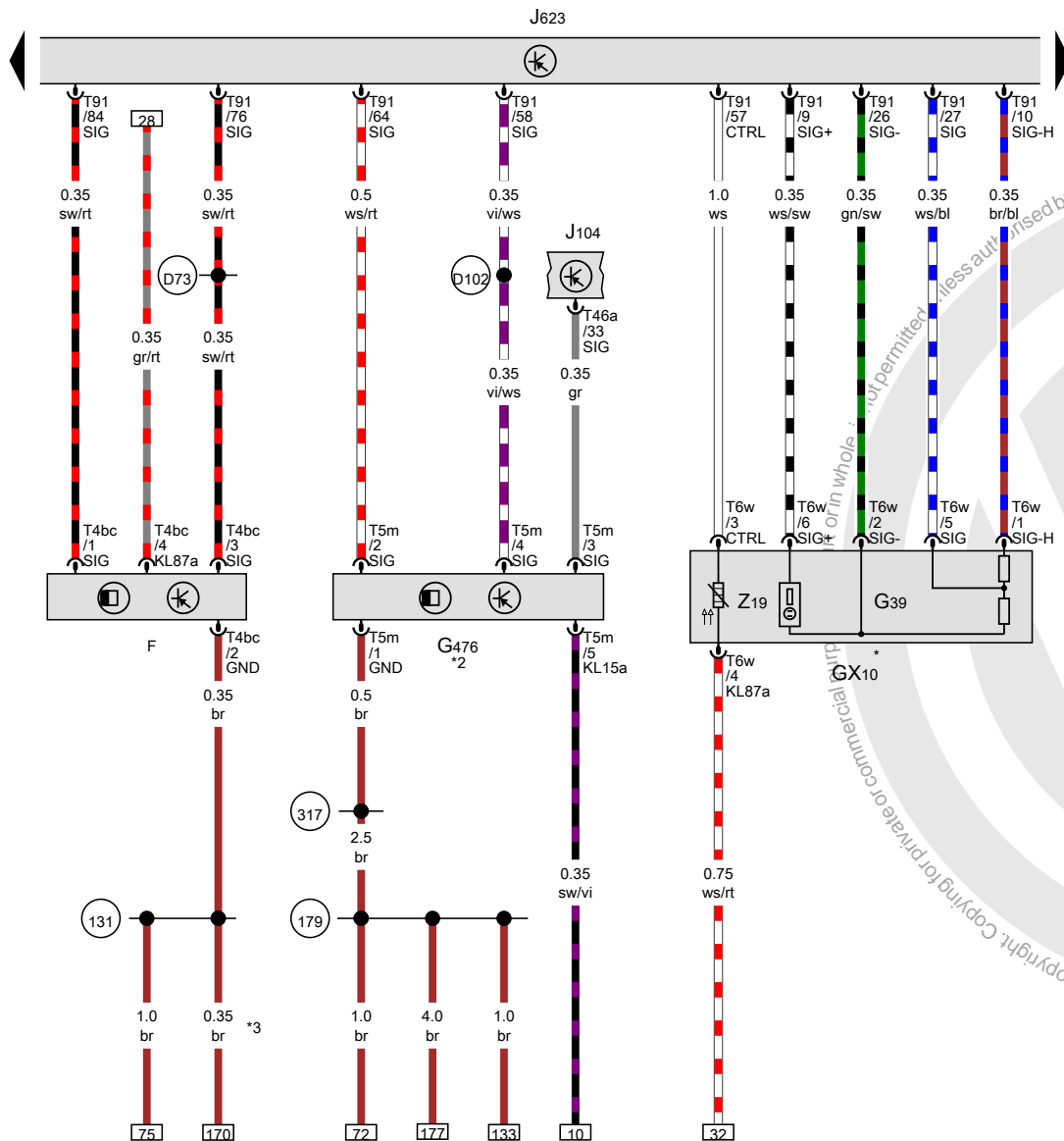


Air mass meter, Engine/motor control unit

- G42 Intake air temperature sender
- G70 Air mass meter
- J623 Engine/motor control unit
- T4ch 4-pin connector, black
- T4cx 4-pin connector, black
- T91 91-pin connector, black
- VX57 Radiator fan
- D200 Positive connection 3 (15a), in engine compartment wiring harness
- * According to equipment
- *2 see applicable current flow diagram for radiator fan
- *3 Cross section depends on equipment

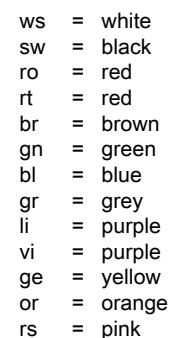
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Brake light switch, Lambda probe 1 before catalytic converter, Clutch position sender, Engine/motor control unit



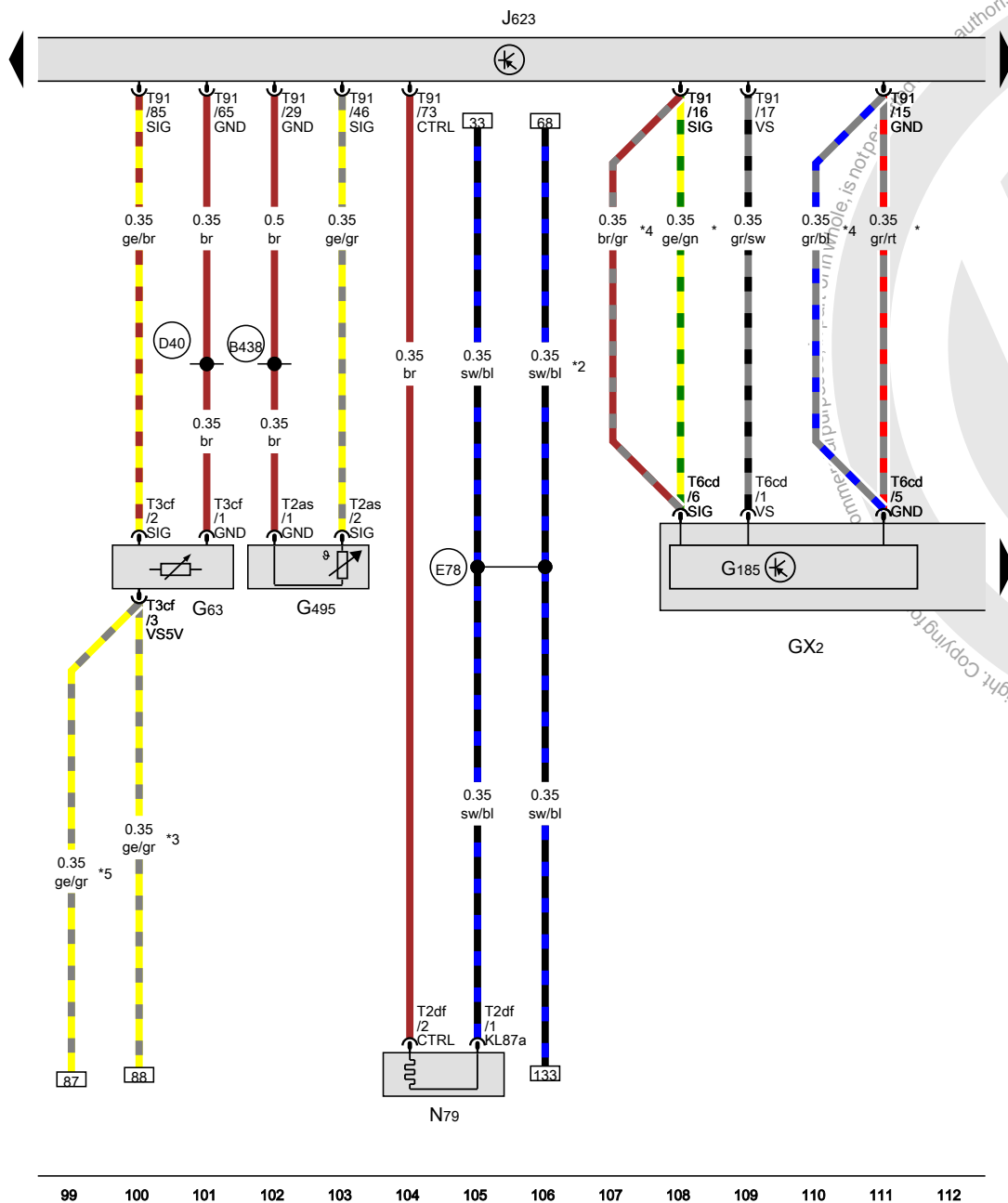
- F Brake light switch
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T4bc 4-pin connector, black
- T5m 5-pin connector, black
- T6w 6-pin connector, black
- T46a 46-pin connector, black
- T91 91-pin connector, black
- Z19 Lambda probe heater
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Pre-wired component
- *2 For models with manual gearbox
- *3 For models with extended service intervals (ESI)

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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 rs = pink



J623	Engine/motor control unit
J883	Exhaust flap control unit
T5aa	5-pin connector, black
T5ab	5-pin connector, brown
T5ao	5-pin connector, brown
T91	91-pin connector, black
TAQL	Coupling point on rear cross member, left
B369	Connection 1 (5V), in main wiring harness

- * Up to May 2016
- *2 Up to May 2015
- *3 Up to November 2017
- *4 From May 2015
- *5 From May 2016
- *6 From November 2017



Accelerator pedal module, Water separator sender, Exhaust gas temperature sender 3, Engine/motor control unit, Heater element for crankcase breather

- GX2 Accelerator pedal module
- G63 Water separator sender
- G185 Accelerator position sender 2
- G495 Exhaust gas temperature sender 3
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- T2as 2-pin connector, brown
- T2df 2-pin connector, black
- T3cf 3-pin connector, black
- T6cd 6-pin connector, black
- T91 91-pin connector, black

B438 Connection 2 (GND (earth)), in main wiring harness

D40 Connection 2, in engine prewiring harness

E78 Connection 2 (87a) in engine wiring harness

- * Up to November 2015
- *2 Cross section depends on equipment
- *3 Up to May 2016
- *4 From November 2015
- *5 From May 2016

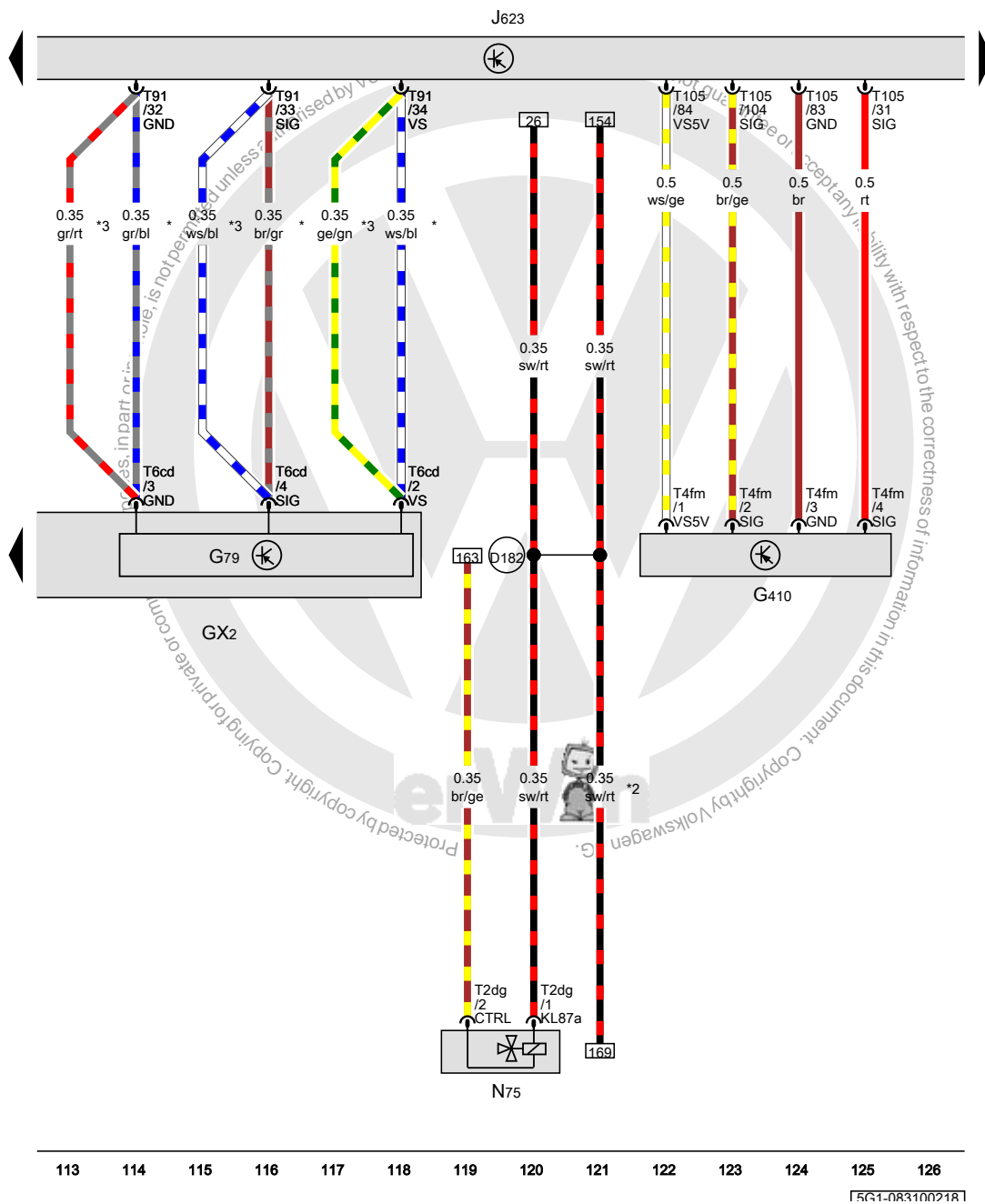
- ws = white
- sw = black
- ro = red
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- li = purple
- vi = purple
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Accelerator pedal module, Fuel pressure sender for low pressure, Engine/motor control unit, Charge pressure control solenoid valve

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G410 Fuel pressure sender for low pressure
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- T2dg 2-pin connector, black
- T4fm 4-pin connector, black
- T6cd 6-pin connector, black
- T91 91-pin connector, black
- T105 105-pin connector, black

D182 Connection 3 (87a), in engine compartment wiring harness

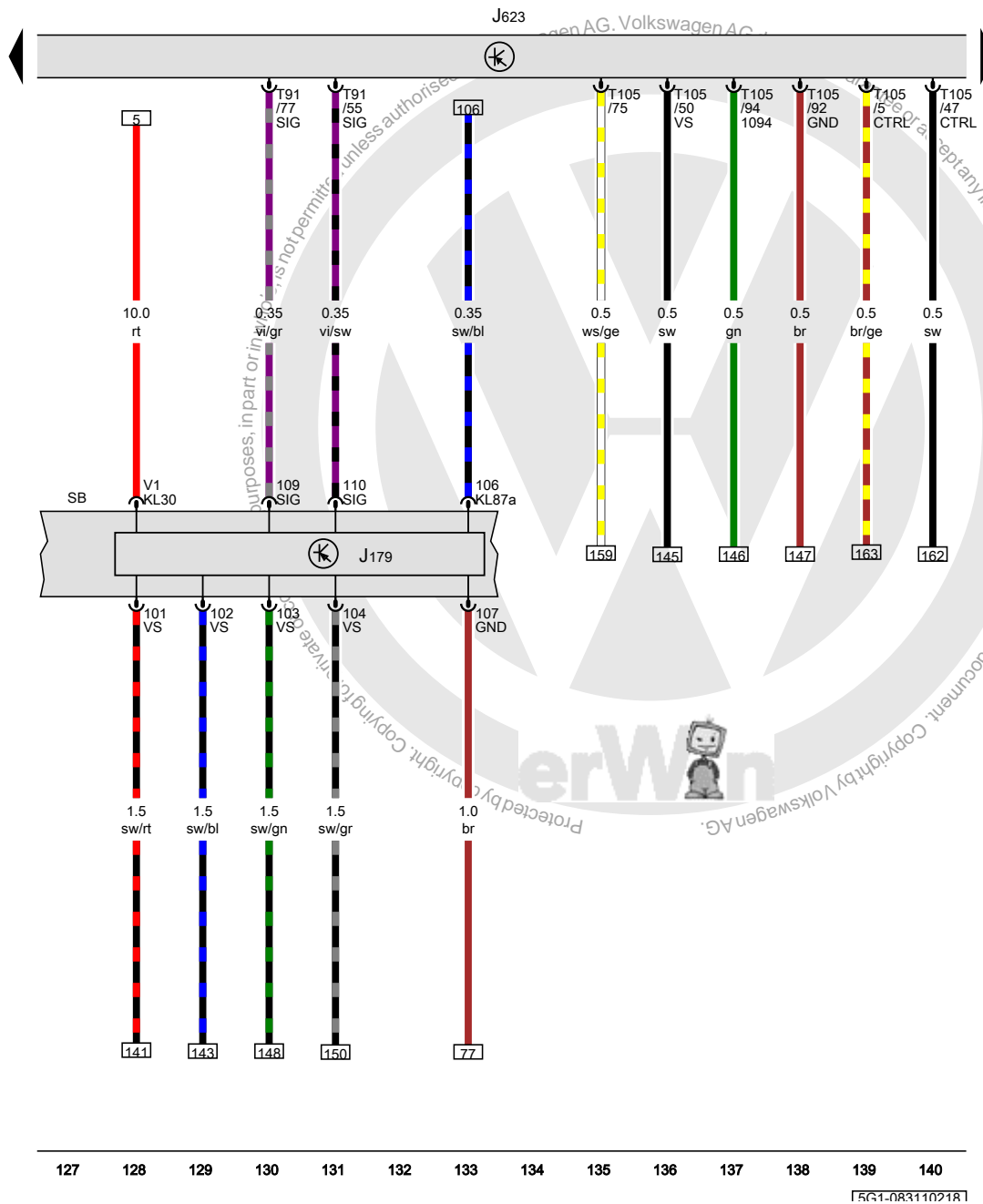
- * Up to November 2015
- *2 For models with extended service intervals (ESI)
- *3 From November 2015



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
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- vi = purple
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- or = orange
- rs = pink

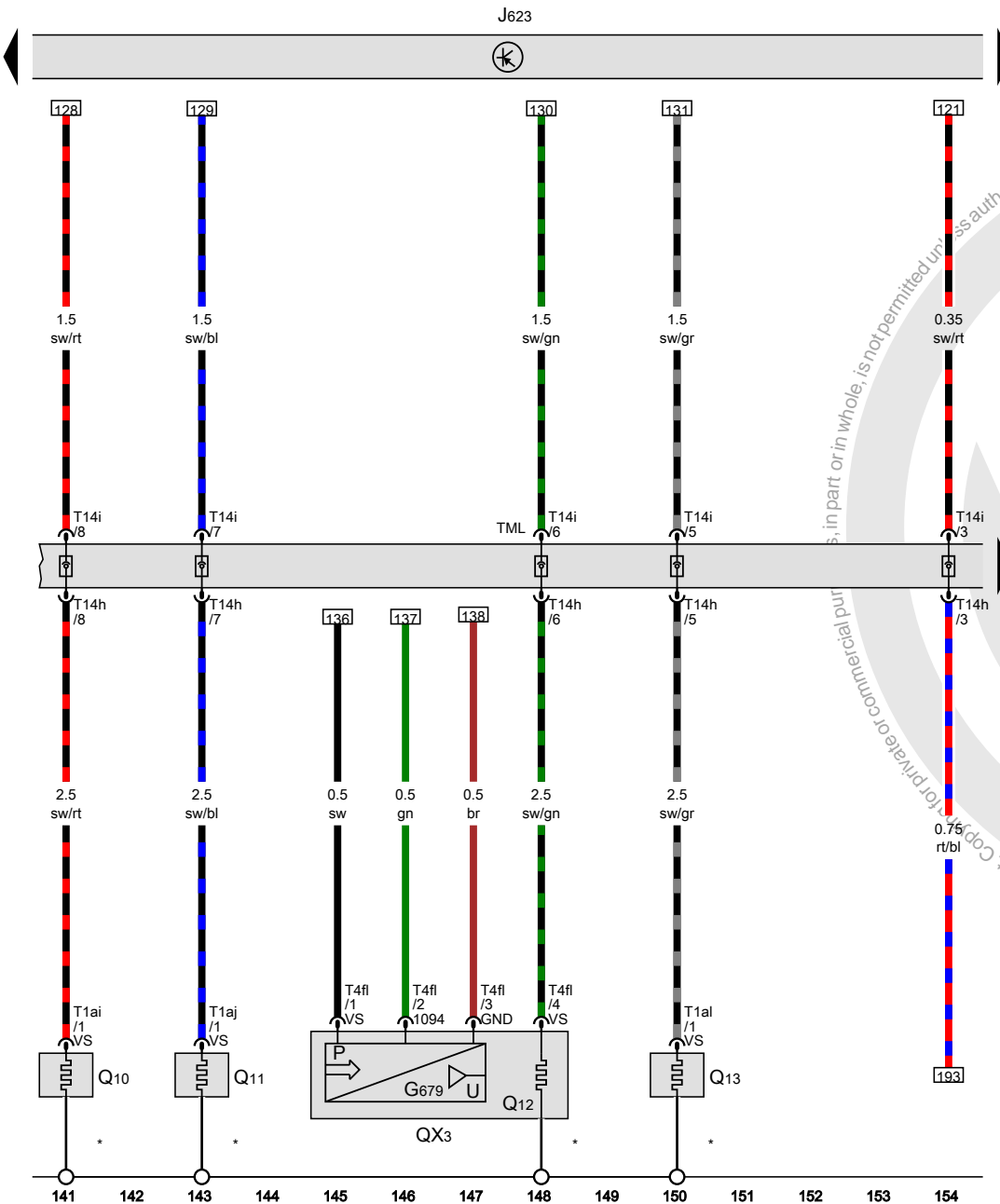
Automatic glow period control unit, Engine/motor control unit, Fuse holder B

- J179 Automatic glow period control unit
- J623 Engine/motor control unit
- SB Fuse holder B
- T91 91-pin connector, black
- T105 105-pin connector, black



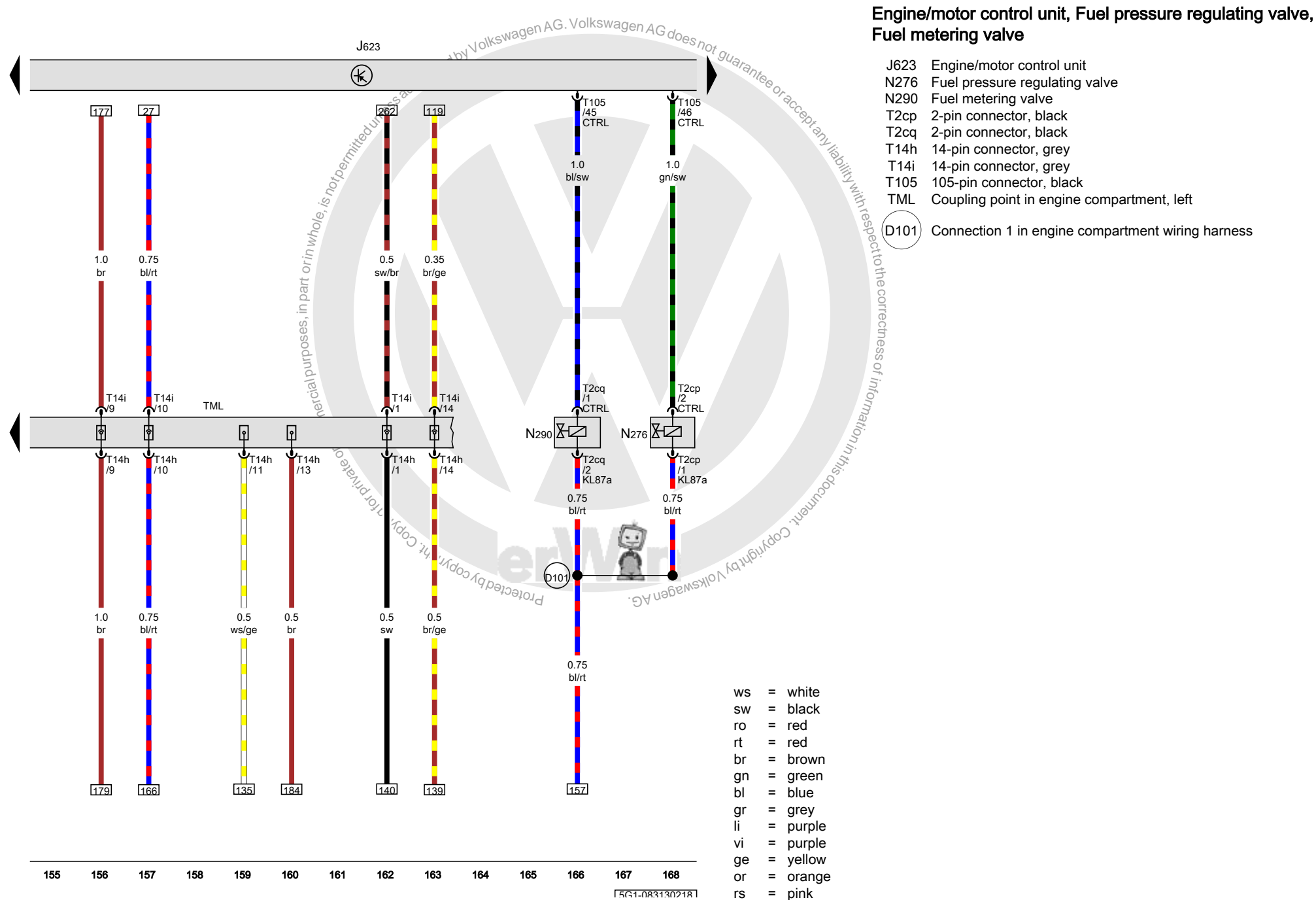
Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

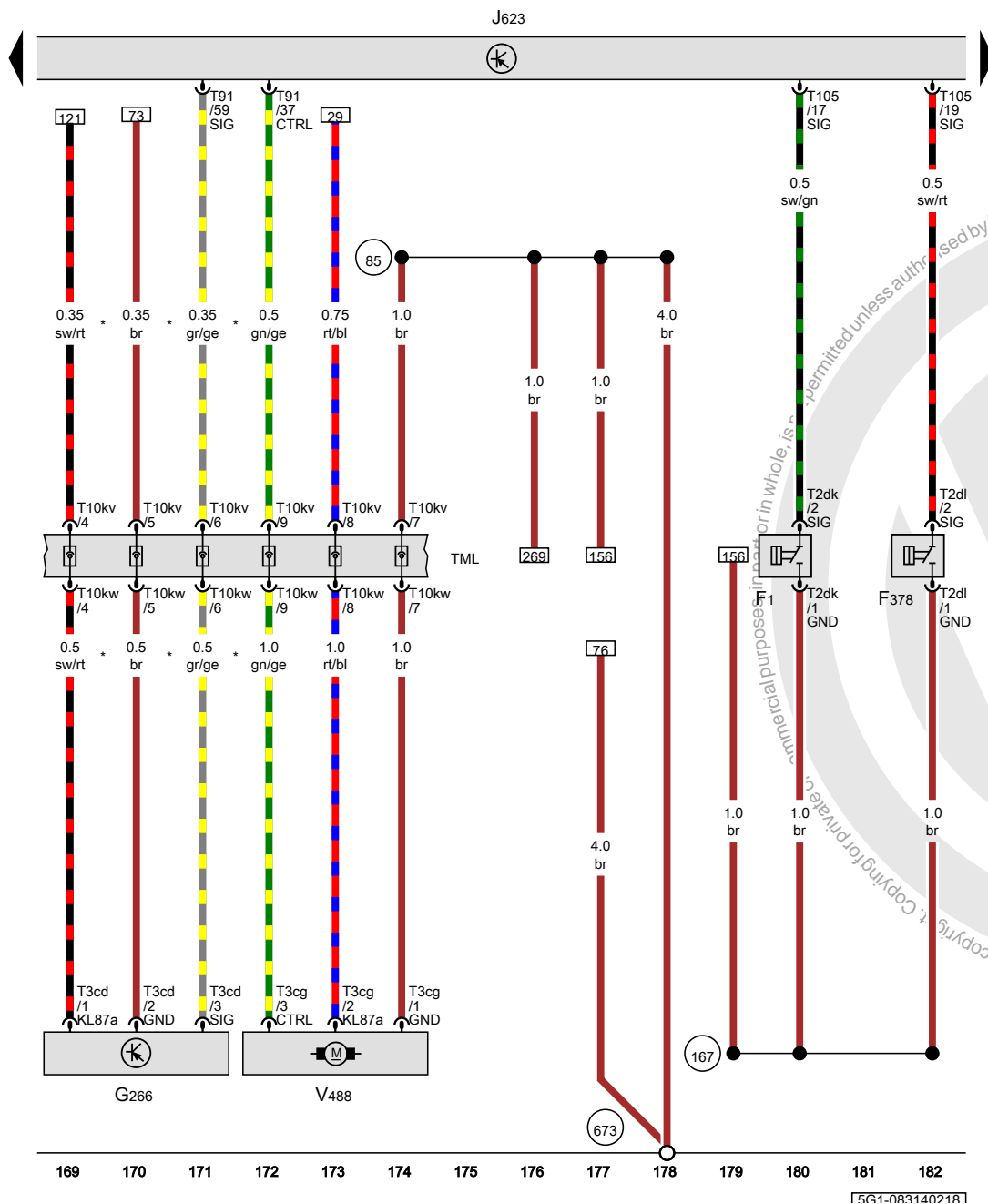
- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T4fl 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- * Earth supply via housing



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- gr = grey
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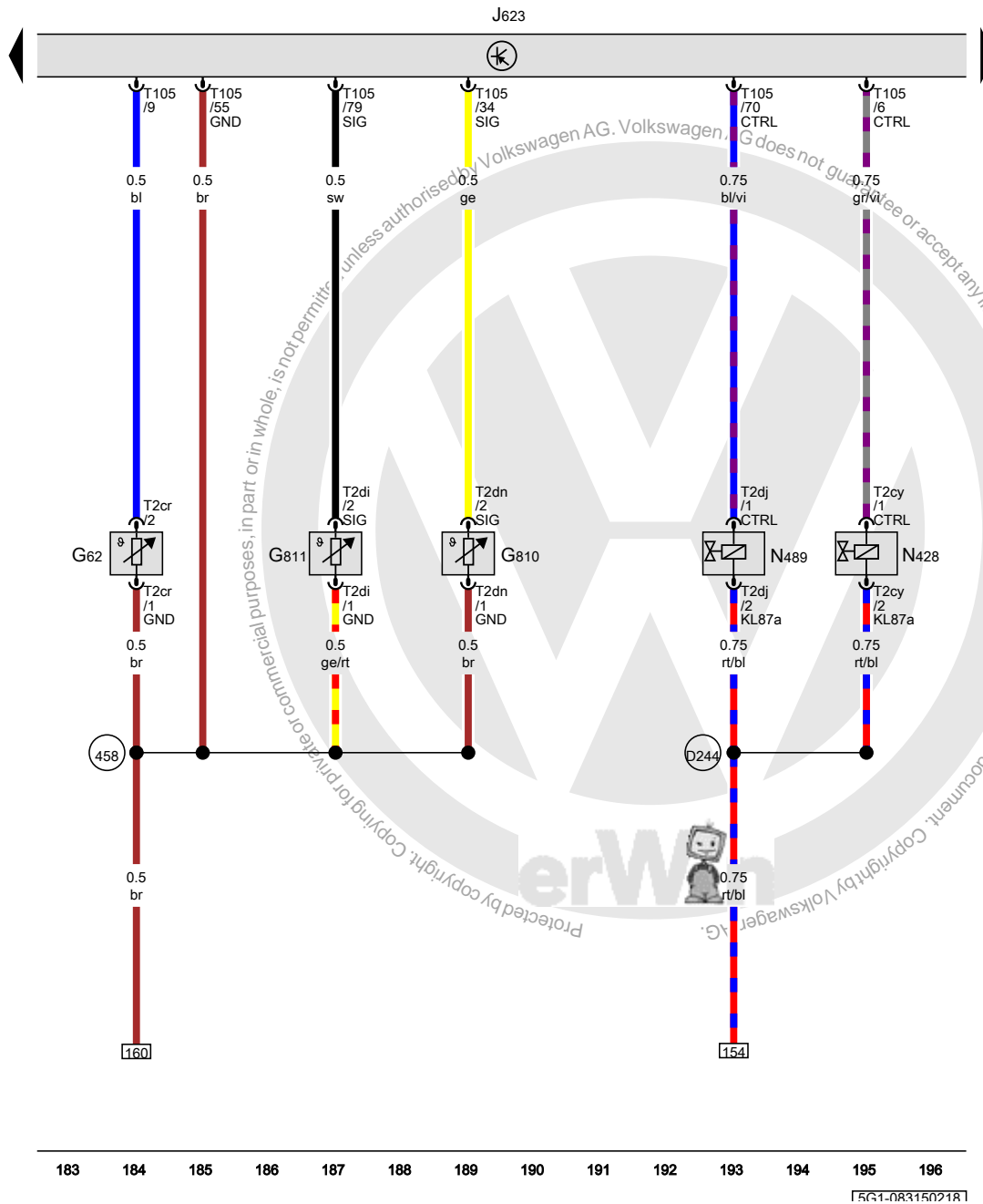


Oil pressure switch, Oil pressure switch for reduced oil pressure, Oil level and oil temperature sender, Engine/motor control unit, Auxiliary pump for heating

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T3cd 3-pin connector, black
- T3cg 3-pin connector, black
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T91 91-pin connector, black
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating

- 85 Earth connection 1, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- * For models with extended service intervals (ESI)

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Coolant temperature sender, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit, Valve for oil pressure control, Coolant valve for cylinder head

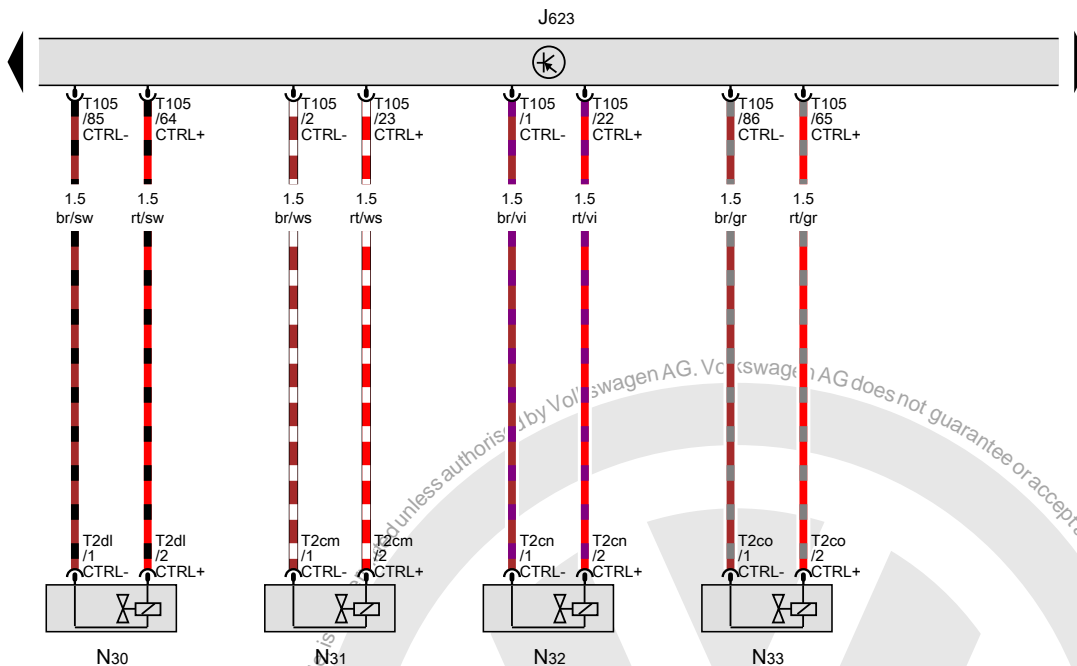
- G62 Coolant temperature sender
- G810 Charge air temperature sender before charge air cooler
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cr 2-pin connector, black
- T2cy 2-pin connector, black
- T2di 2-pin connector, black
- T2dj 2-pin connector, brown
- T2dn 2-pin connector, black
- T105 105-pin connector, black

458 Earth point 3, engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

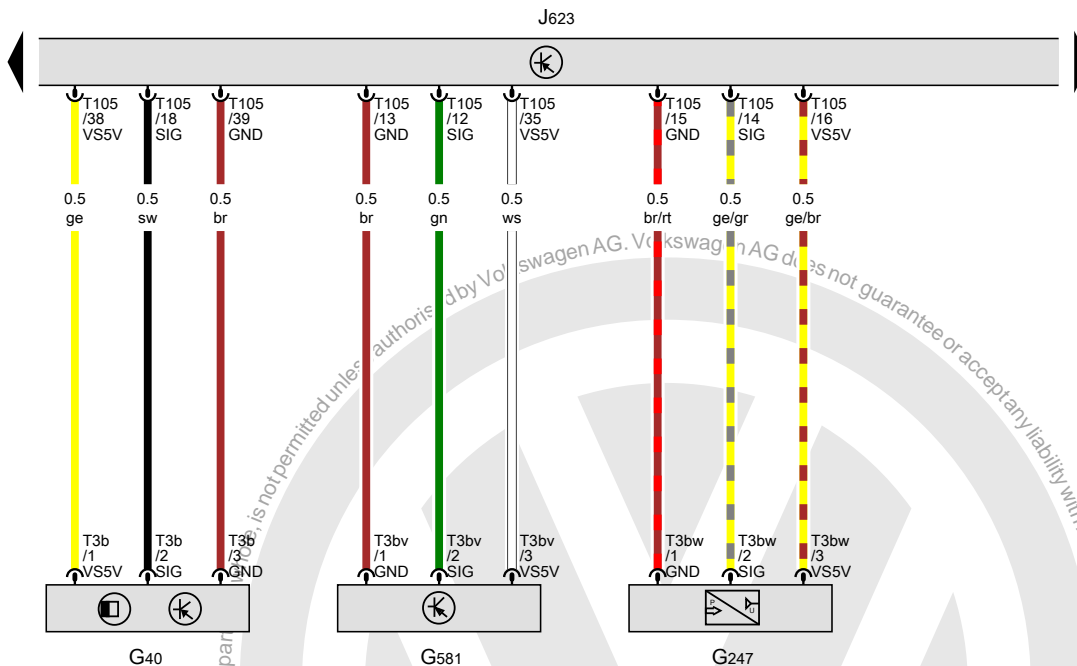
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T2dl 2-pin connector, black
- T105 105-pin connector, black



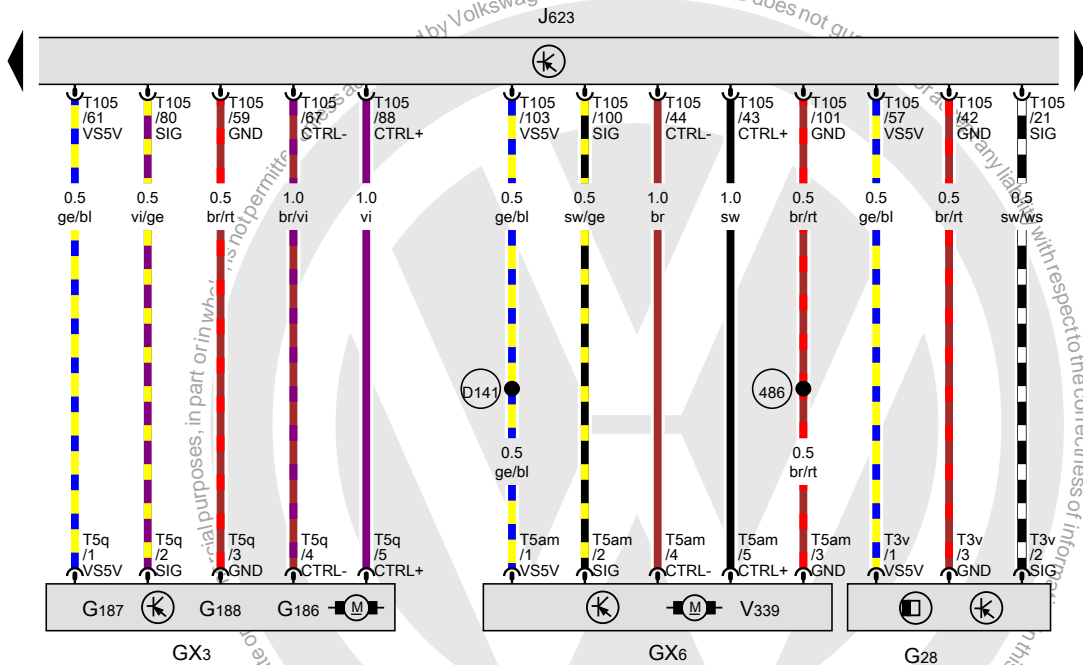
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Hall sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine/motor control unit

- G40 Hall sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bv 3-pin connector, brown
- T3bw 3-pin connector, black
- T105 105-pin connector, black



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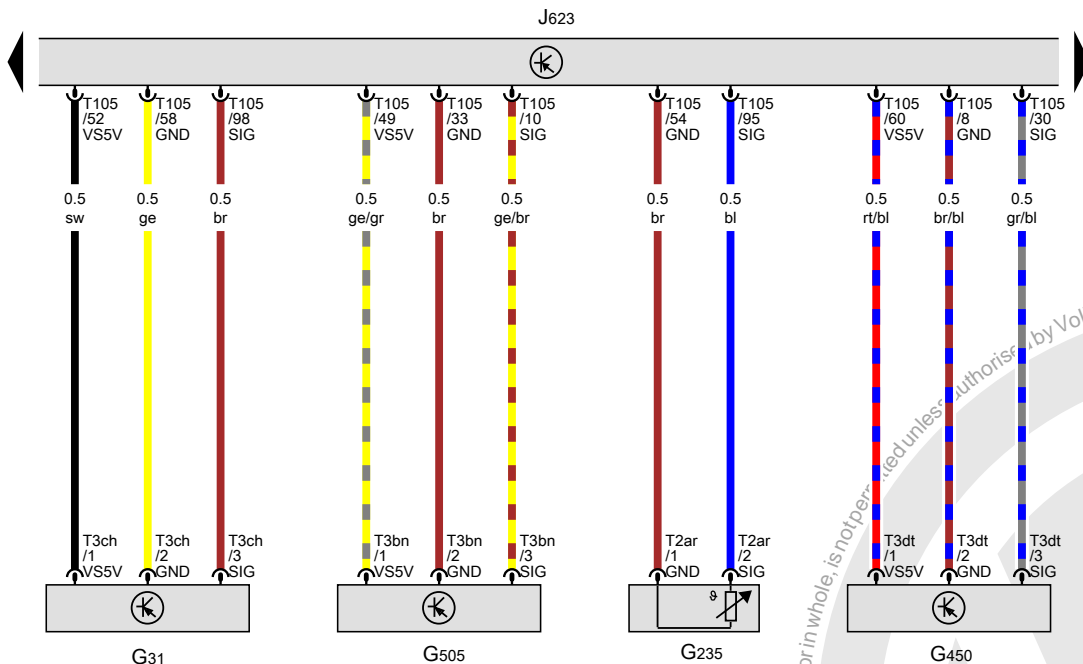


Throttle valve module, Exhaust gas recirculation valve 2, Engine speed sender, Engine/motor control unit

- GX3 Throttle valve module
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine/motor control unit
- T3v 3-pin connector, black
- T5am 5-pin connector, black
- T5q 5-pin connector, black
- T105 105-pin connector, black
- V339 Exhaust gas recirculation control motor 2

- 486 Earth point 4, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

Charge pressure sender, Exhaust gas temperature sender 1, Exhaust gas pressure sensor 1, Pressure differential sender, Engine/motor control unit



- G31 Charge pressure sender
- G235 Exhaust gas temperature sender 1
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine/motor control unit
- T2ar 2-pin connector, black
- T3bn 3-pin connector, black
- T3ch 3-pin connector, black
- T3dt 3-pin connector, black
- T105 105-pin connector, black

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Steering column electronics control unit, Engine/motor control unit

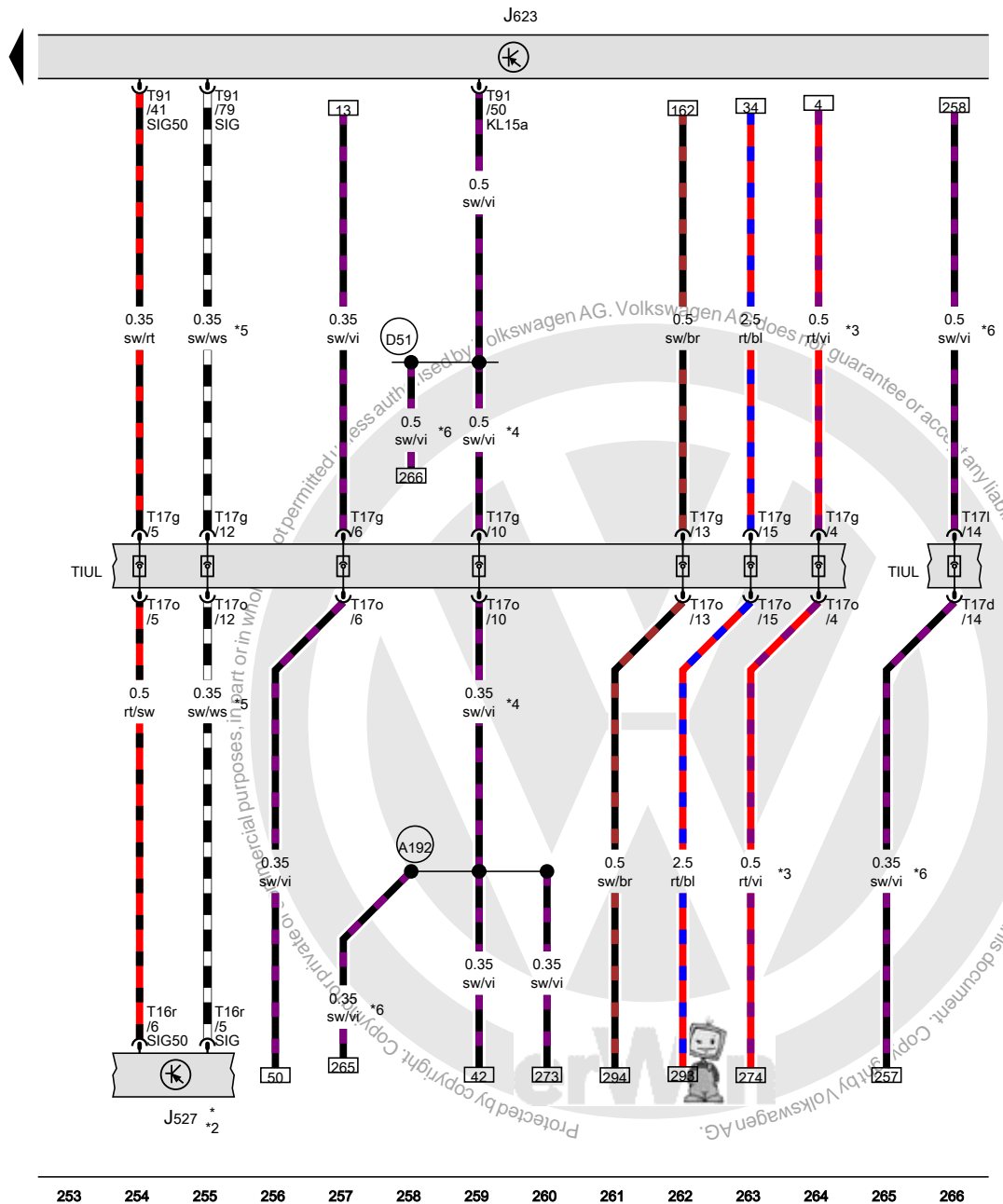
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T16r 16-pin connector, black
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

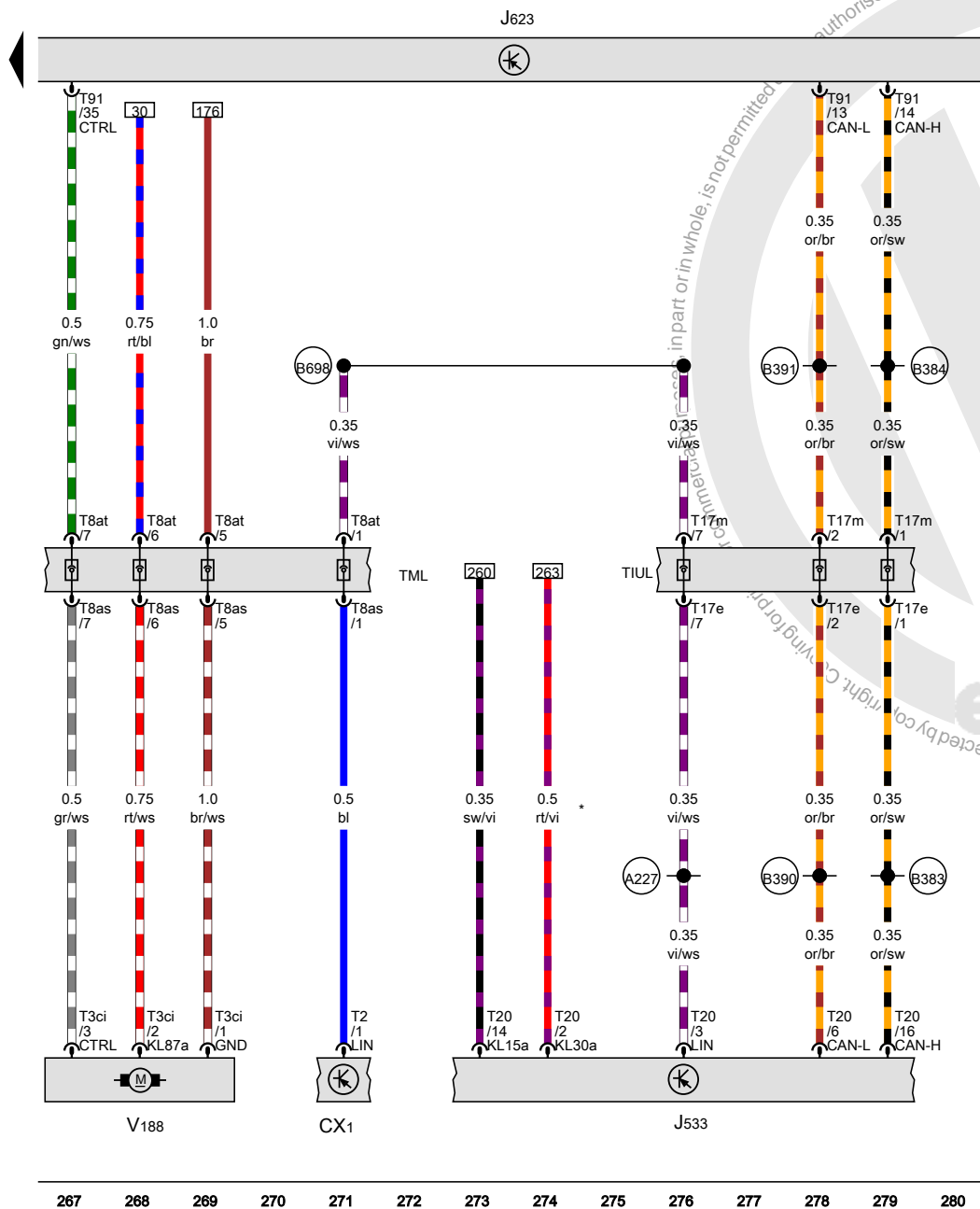
D51 Positive connection 1 (15), in engine compartment wiring harness

- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 For models with no auxiliary heater
- *4 Up to November 2017
- *5 For models with cruise control system (CCS)
- *6 From November 2017

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Data bus diagnostic interface, Engine/motor control unit,
Charge air cooling pump



- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T2 2-pin connector, black
- T3ci 3-pin connector, brown
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness

* For models with no auxiliary heater

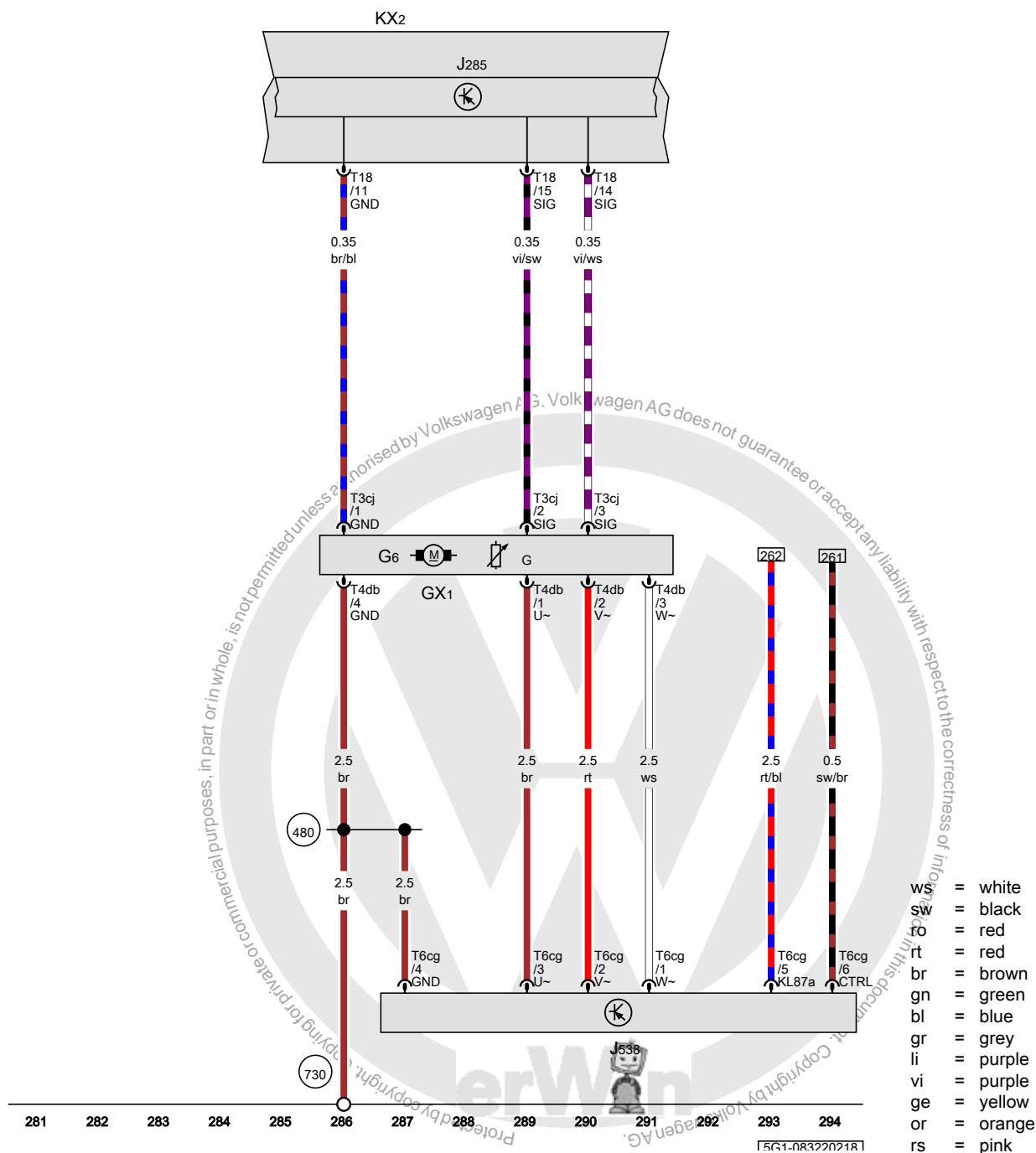
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing



Emergency call module , (EL1),(EL2),(EL5),(EL6),(NZ3),(NZ4)

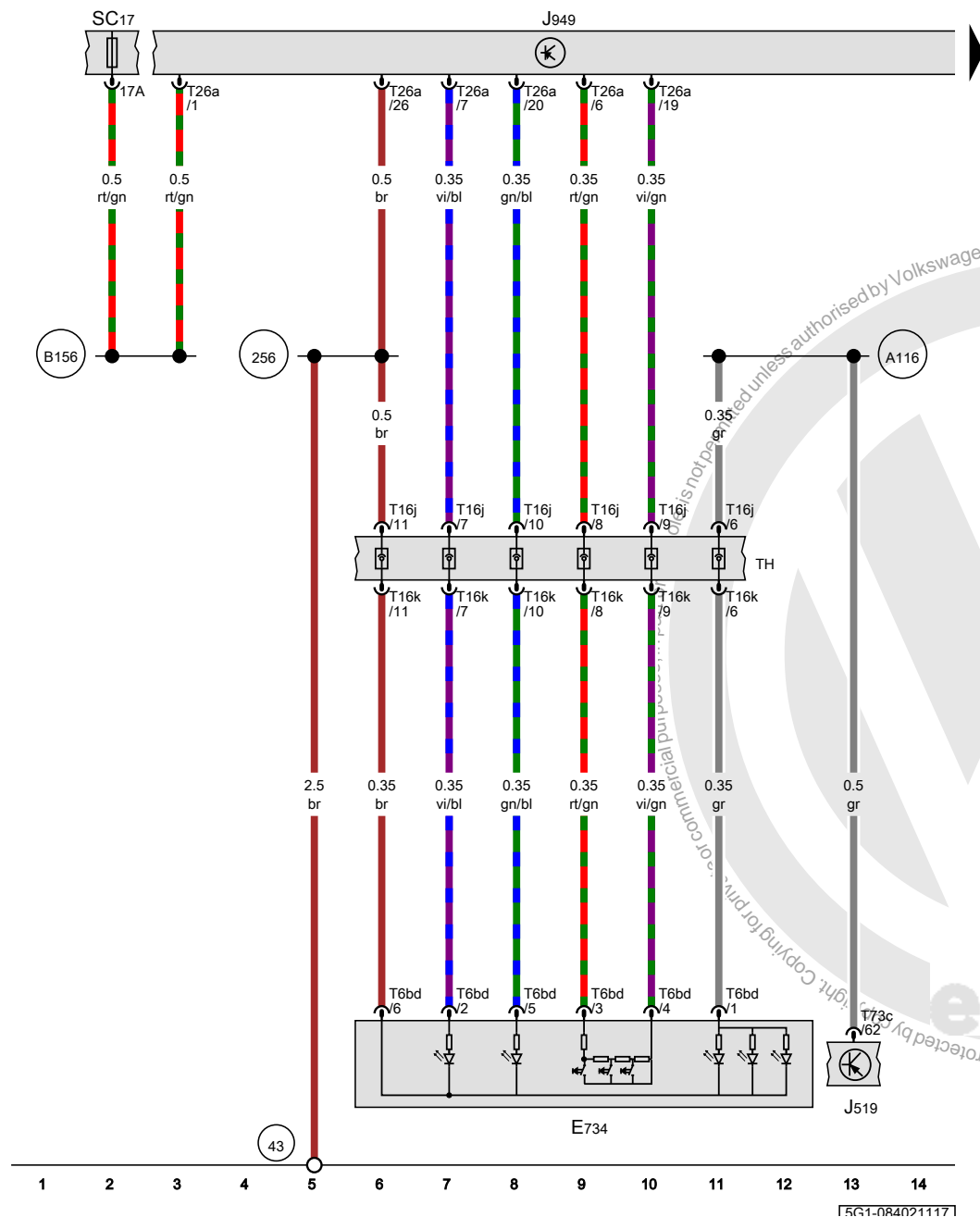
From November 2014



Telematics button module, Onboard supply control unit,
Emergency call module control unit and communication
unit, Fuse 17 on fuse holder C, Coupling point for roof

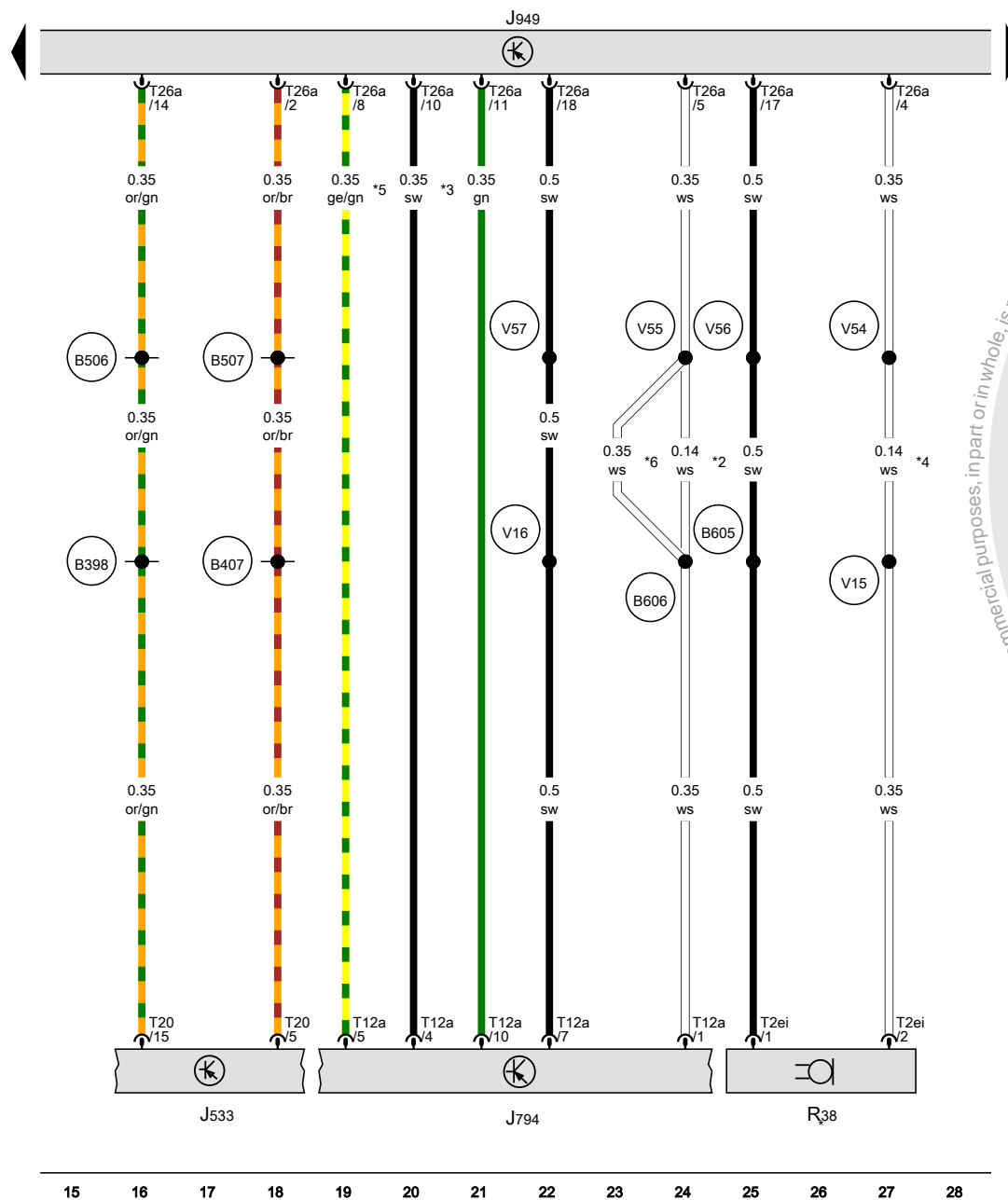
- E734 Telematics button module
- J519 Onboard supply control unit
- J949 Emergency call module control unit and communication unit
- SC17 Fuse 17 on fuse holder C
- T6bd 6-pin connector, brown
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T26a 26-pin connector, black
- T73c 73-pin connector, black
- TH Coupling point for roof

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Data bus diagnostic interface, Control unit 1 for information electronics, Emergency call module control unit and communication unit, Telephone microphone



- J533 Data bus diagnostic interface
- J794 Control unit 1 for information electronics
- J949 Emergency call module control unit and communication unit
- R38 Telephone microphone
- T2ei 2-pin connector, black
- T12a 12-pin connector, blue
- T20 20-pin connector, red
- T26a 26-pin connector, black

B398 Connection 2 (convenience CAN bus, high), in main wiring harness

B407 Connection 2 (convenience CAN bus, low), in main wiring harness

B506 Connection (convenience CAN bus, high), in interior wiring harness

B507 Connection (convenience CAN bus, low), in interior wiring harness

B605 Connection 1, in interior wiring harness

B606 Connection 2, in interior wiring harness

V15 Connection, in telephone wiring harness

V16 Connection (screening), in telephone wiring harness

V54 Connection 1 (telephone), in main wiring harness

V55 Connection 2 (telephone), in main wiring harness

V56 Connection 3 (telephone), in main wiring harness

V57 Connection 4 (telephone), in main wiring harness

* Pre-wired component

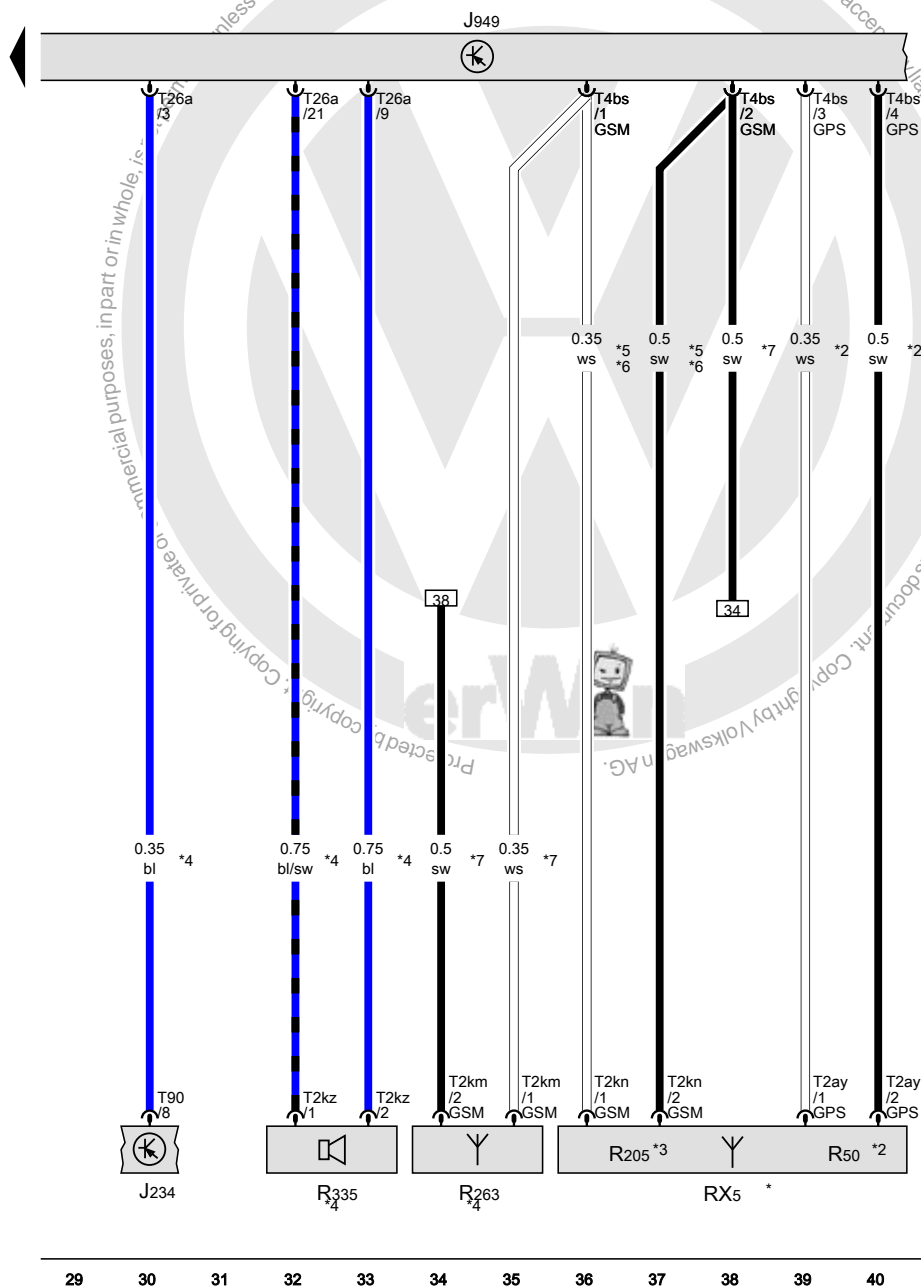
*2 Up to May 2017

*3 Different wire colour possible

*4 Cross section depends on equipment

*5 According to equipment

*6 From May 2017



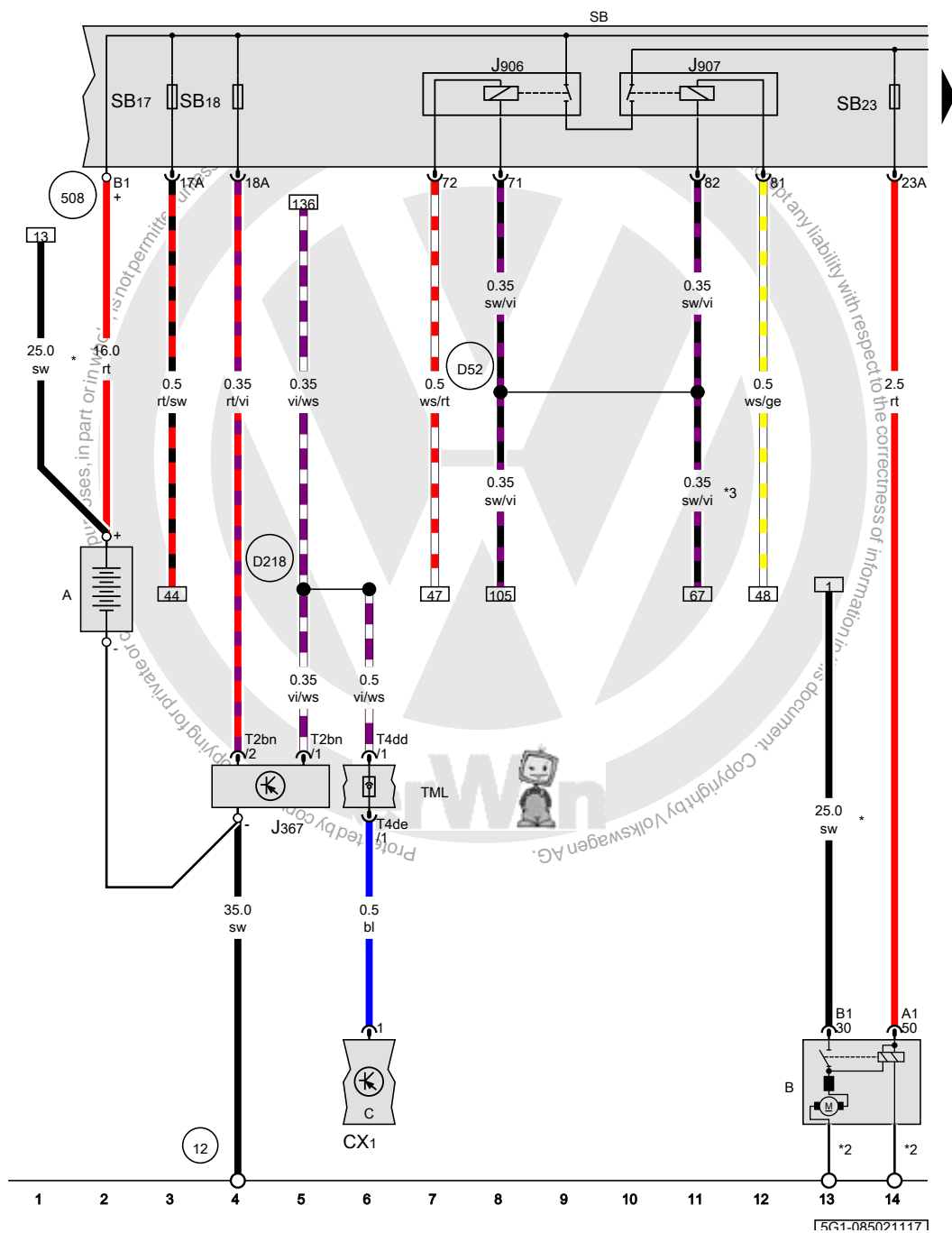
Airbag control unit, Emergency call module control unit and communication unit, Roof aerial, GPS aerial, GSM aerial, Emergency call module aerial

- J234 Airbag control unit
- J949 Emergency call module control unit and communication unit
- RX5 Roof aerial
- R50 GPS aerial
- R205 GSM aerial
- R263 Emergency call module aerial
- R335 Loudspeaker for emergency call module
- T2ay 2-pin connector, blue
- T2km 2-pin connector, purple
- T2kn 2-pin connector
- T2kz 2-pin connector, black
- T4bs 4-pin connector, purple
- T26a 26-pin connector, black
- T90 90-pin connector, yellow
- * Pre-wired component
- *2 For models with no navigation system
- *3 Connector colour depends on market
- *4 According to equipment
- *5 For models with preparation for mobile telephone
- *6 For models with no telephone/preparation for mobile telephone
- *7 For models with mobile telephone/telephone

1.0l petrol engine , CHZD,CHZC,CHZK

From May 2015

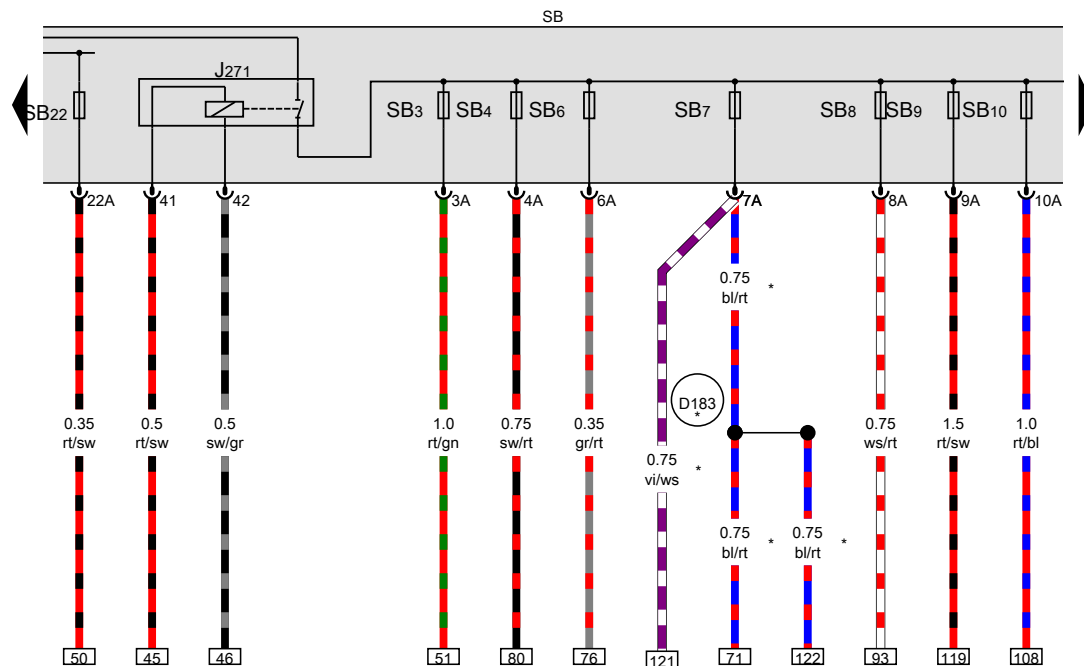




Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- C Alternator
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- D52 Positive connection (15a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- * Cross-section 35.0 possible
- *2 Earth supply via housing
- *3 For models with manual gearbox

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
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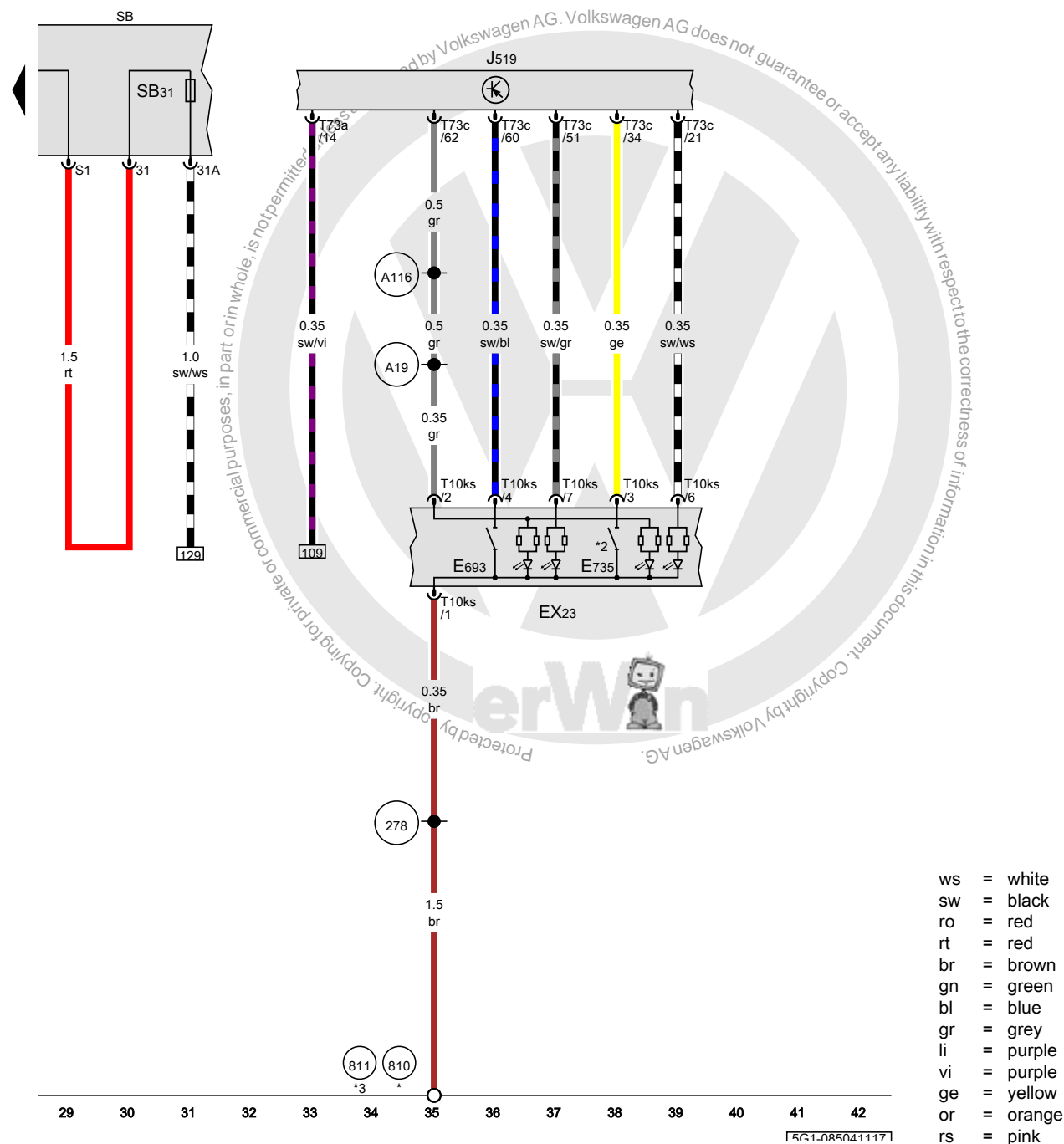
Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB22 Fuse 22 on fuse holder B

D183 Connection 4 (87a), in engine compartment wiring harness

* According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit, Fuse holder B

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- SB Fuse holder B
- SB31 Fuse 31 on fuse holder B
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * For left-hand drive models
- *2 According to equipment
- *3 For right-hand drive models

Engine/motor control unit

J623 Engine/motor control unit

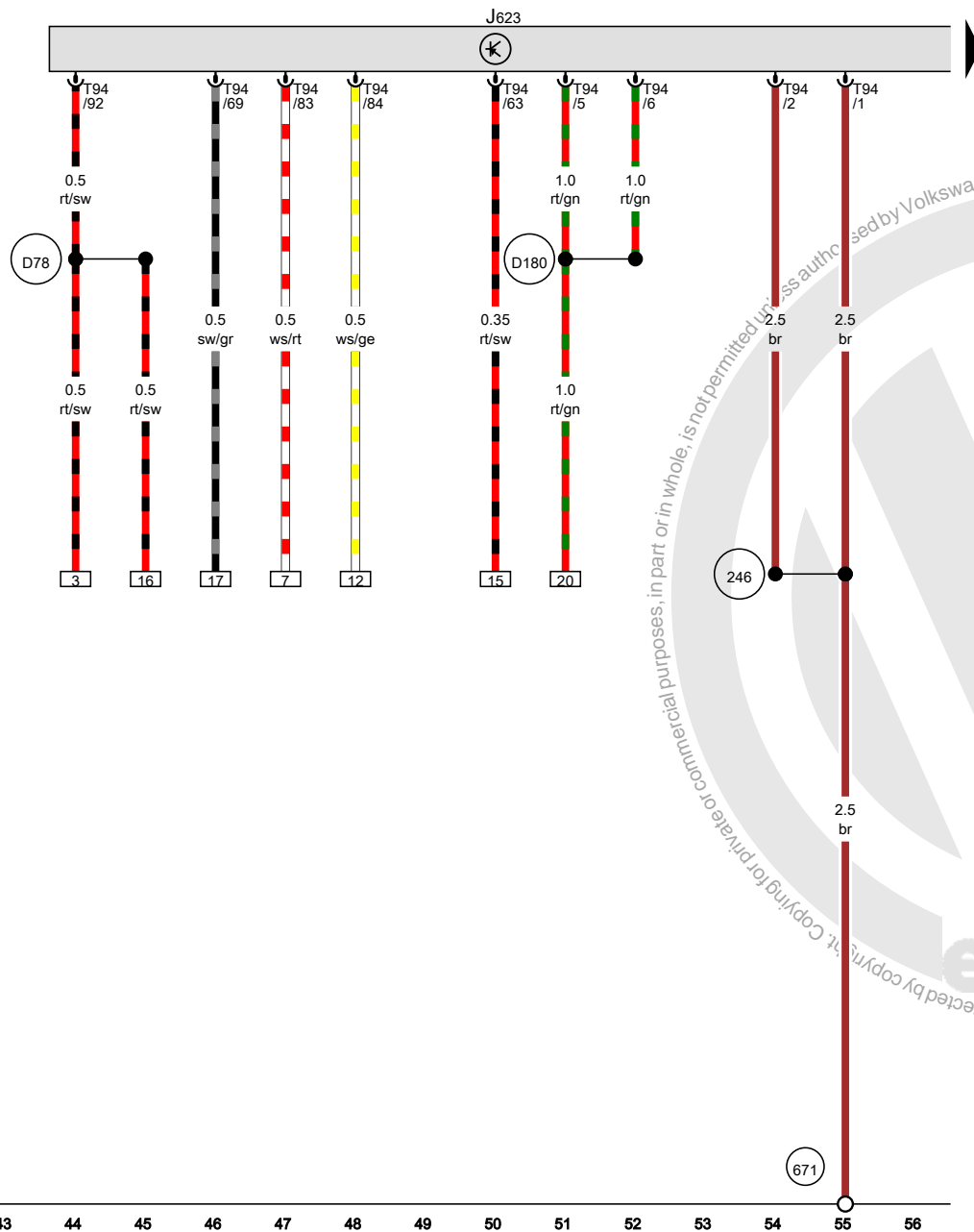
T94 94-pin connector, black

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

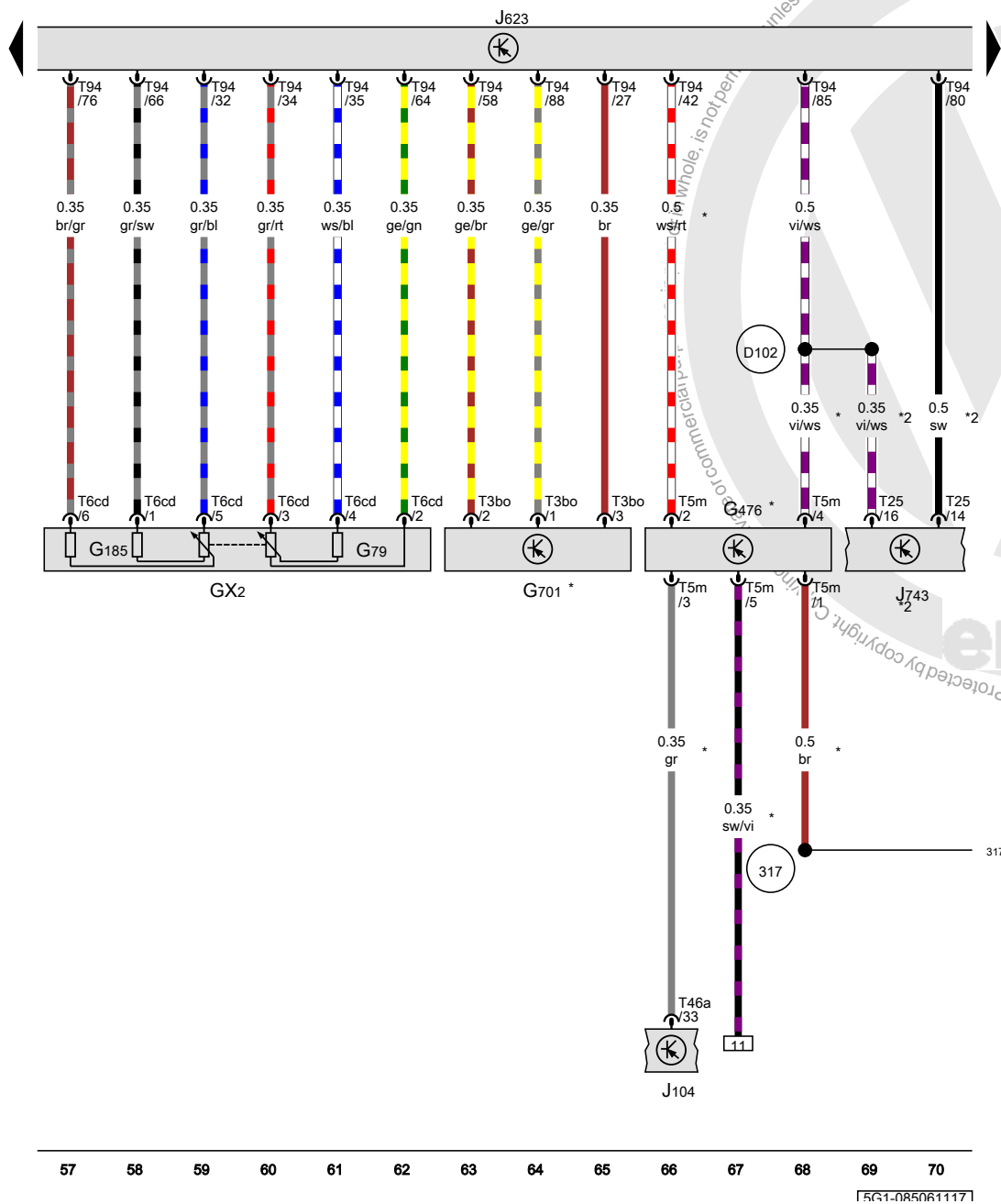
D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



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 gn = green
 bl = blue
 gr = grey
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 or = orange
 rs = pink

[5G1-085051117]



Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

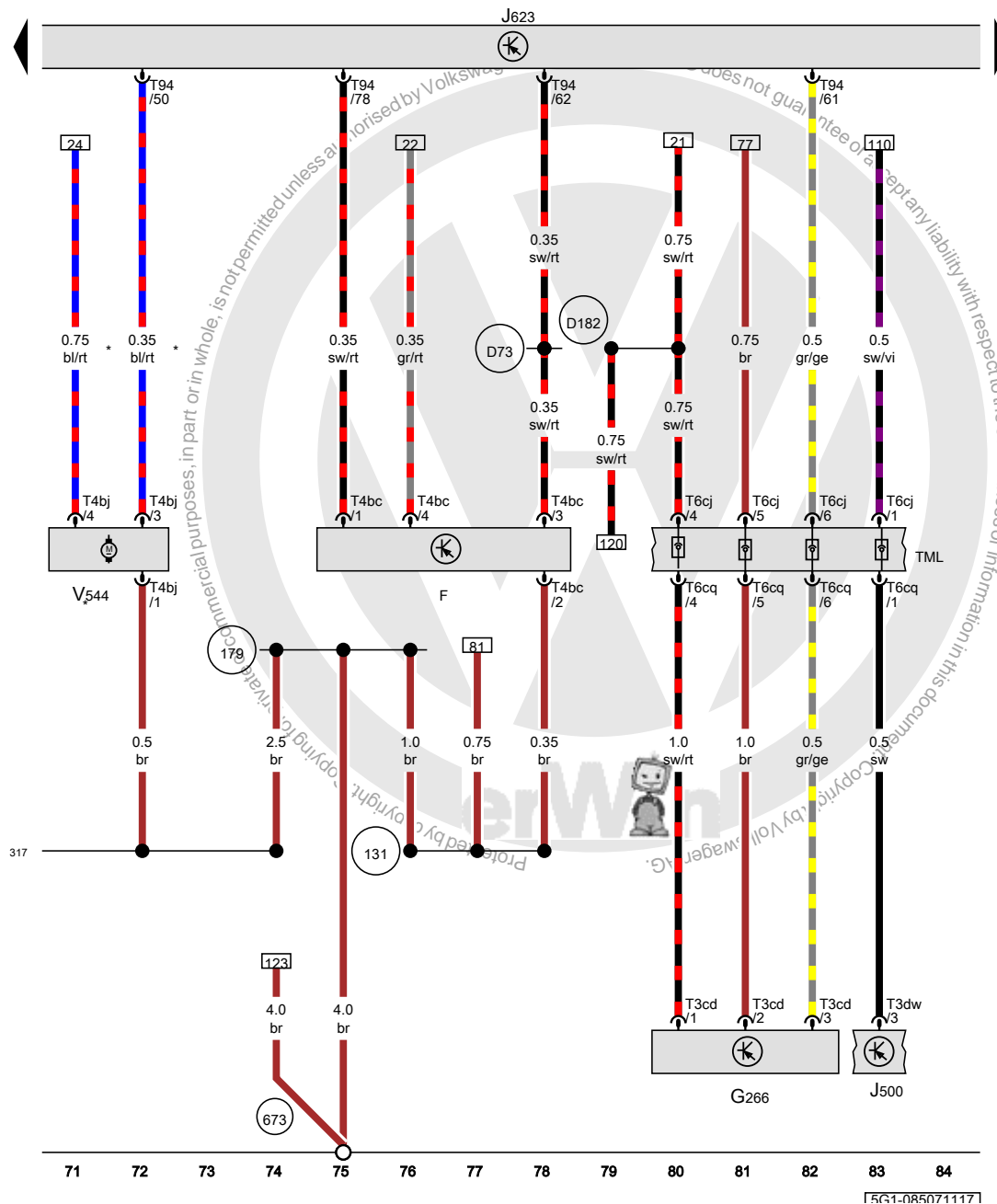
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T25 25-pin connector, black
- T46a 46-pin connector, black
- T94 94-pin connector, black

317 Earth connection 7 in engine compartment wiring harness

D102 Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with dual clutch gearbox

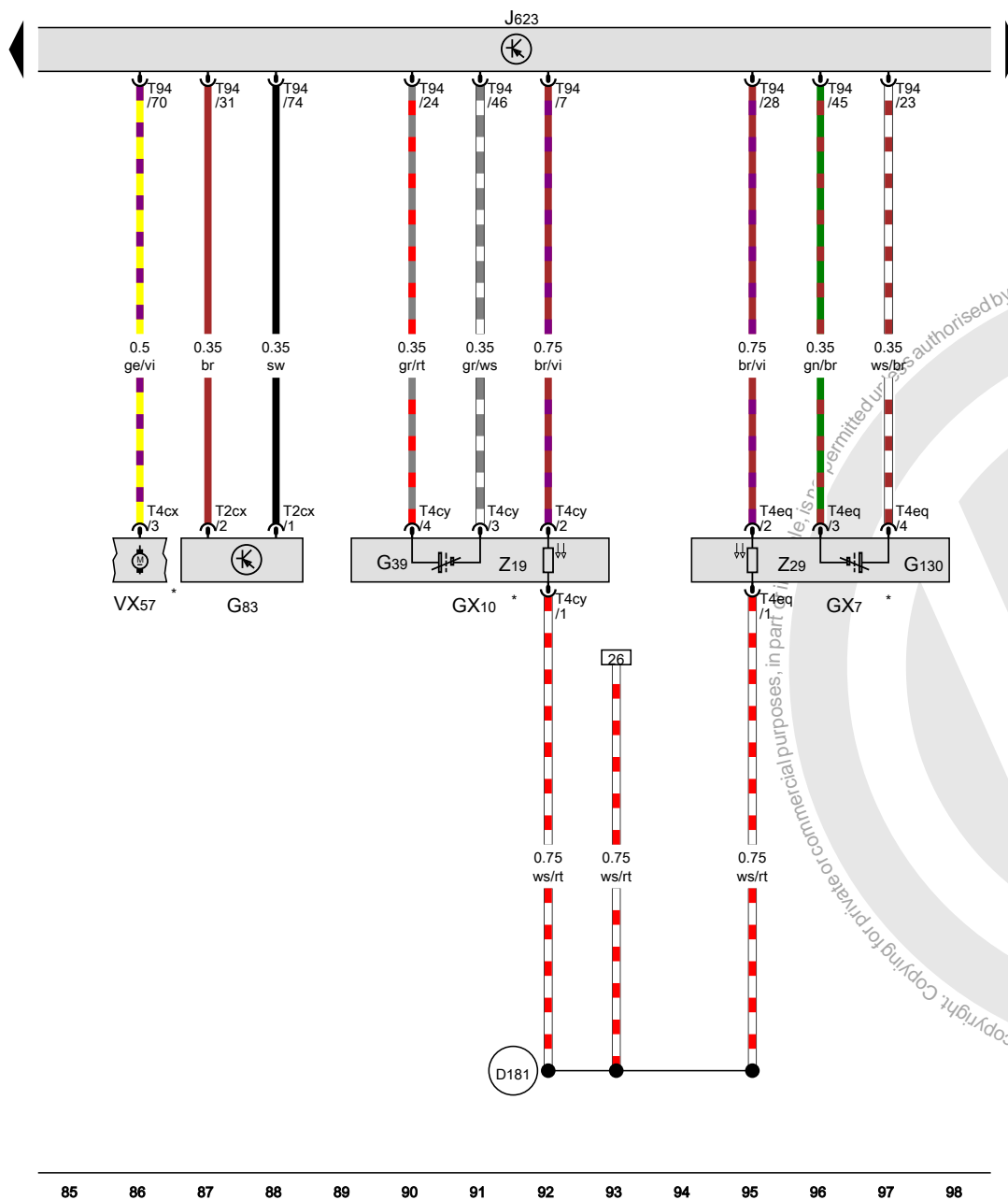
- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
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Brake light switch, Oil level and oil temperature sender, Engine/motor control unit, Radiator blind control motor

- F Brake light switch
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T3cd 3-pin connector, black
- T3dw 3-pin connector, black
- T4bc 4-pin connector
- T4bj 4-pin connector, black
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- V544 Radiator blind control motor
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * According to equipment

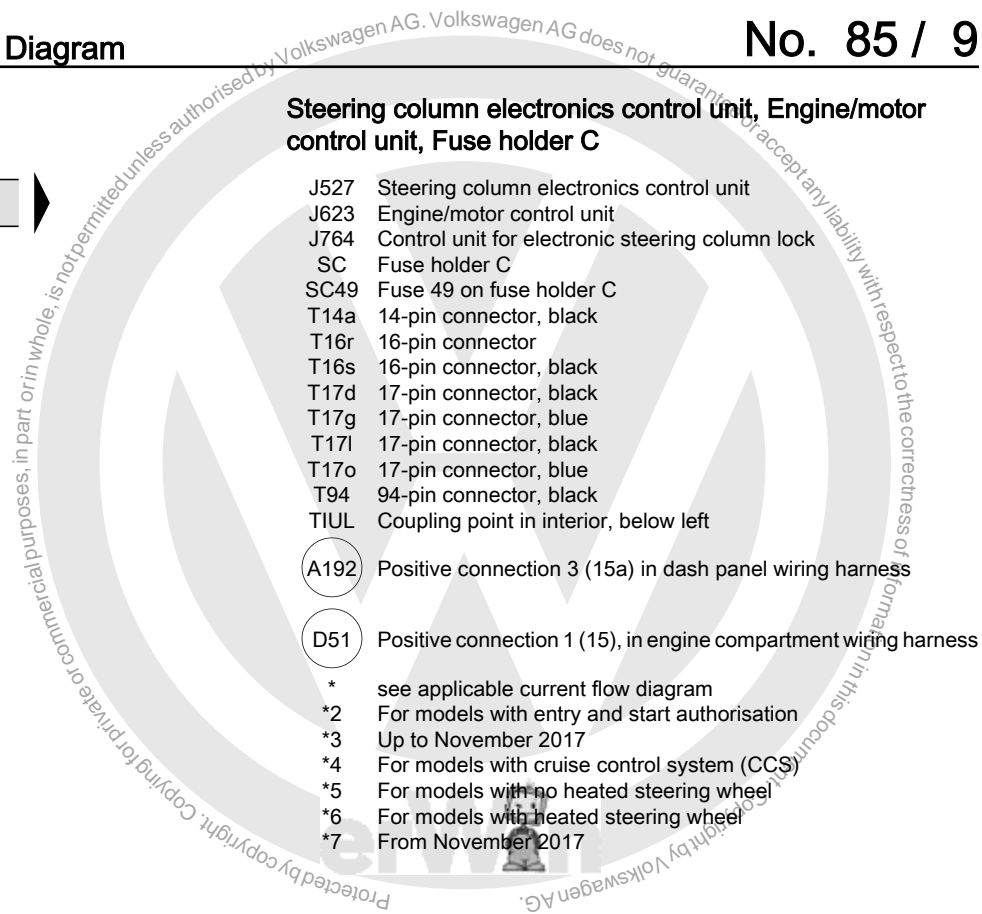
ws = white
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 bl = blue
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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Radiator outlet coolant temperature sender, Engine/motor control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G83 Radiator outlet coolant temperature sender
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T2cx 2-pin connector, black
- T4cx 4-pin connector
- T4cy 4-pin connector, brown
- T4eq 4-pin connector, black
- T94 94-pin connector, black
- VX57 Radiator fan
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component

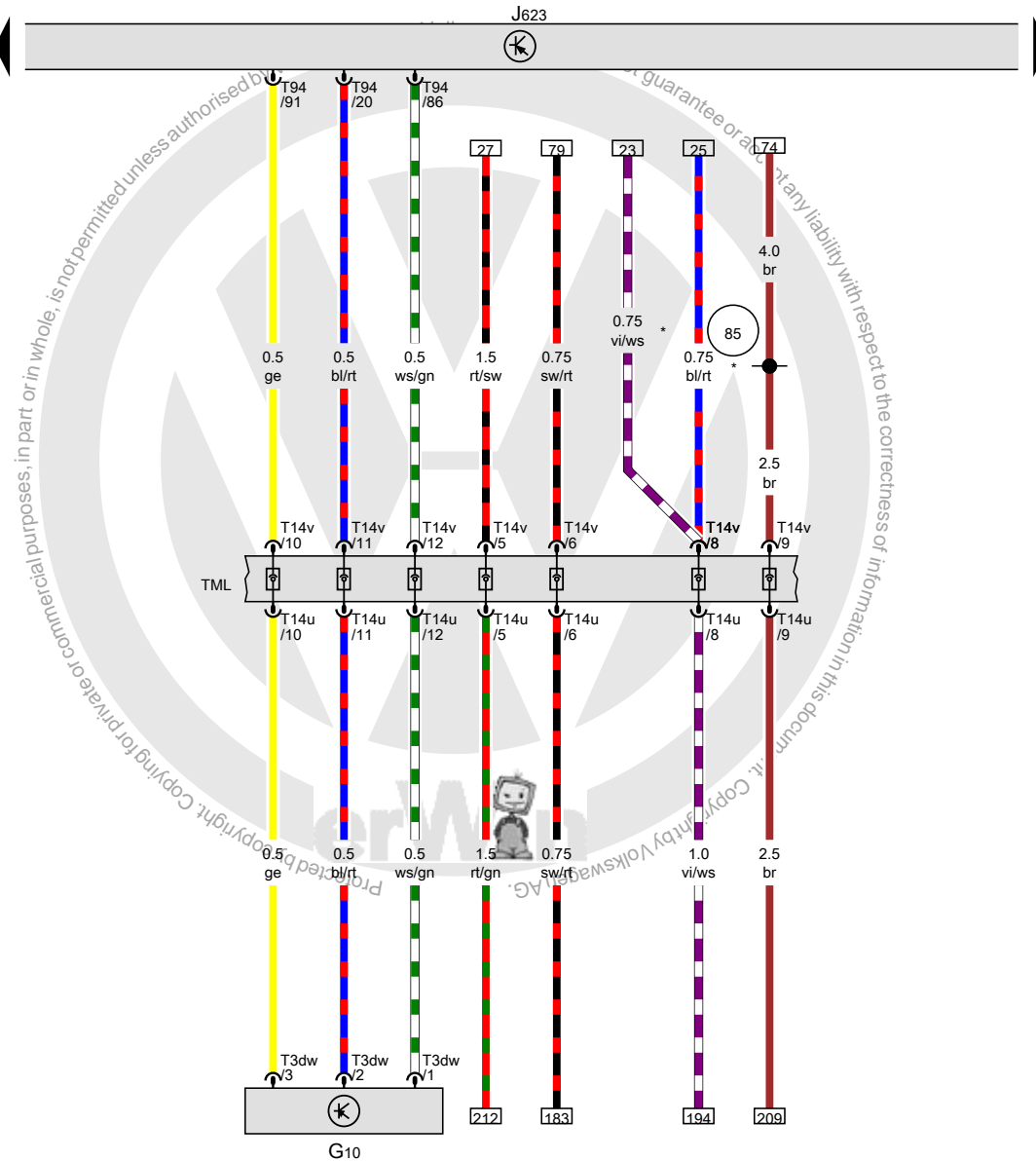
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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 ge = yellow
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li = purple
vi = purple
ge = yellow
or = orange
rs = pink

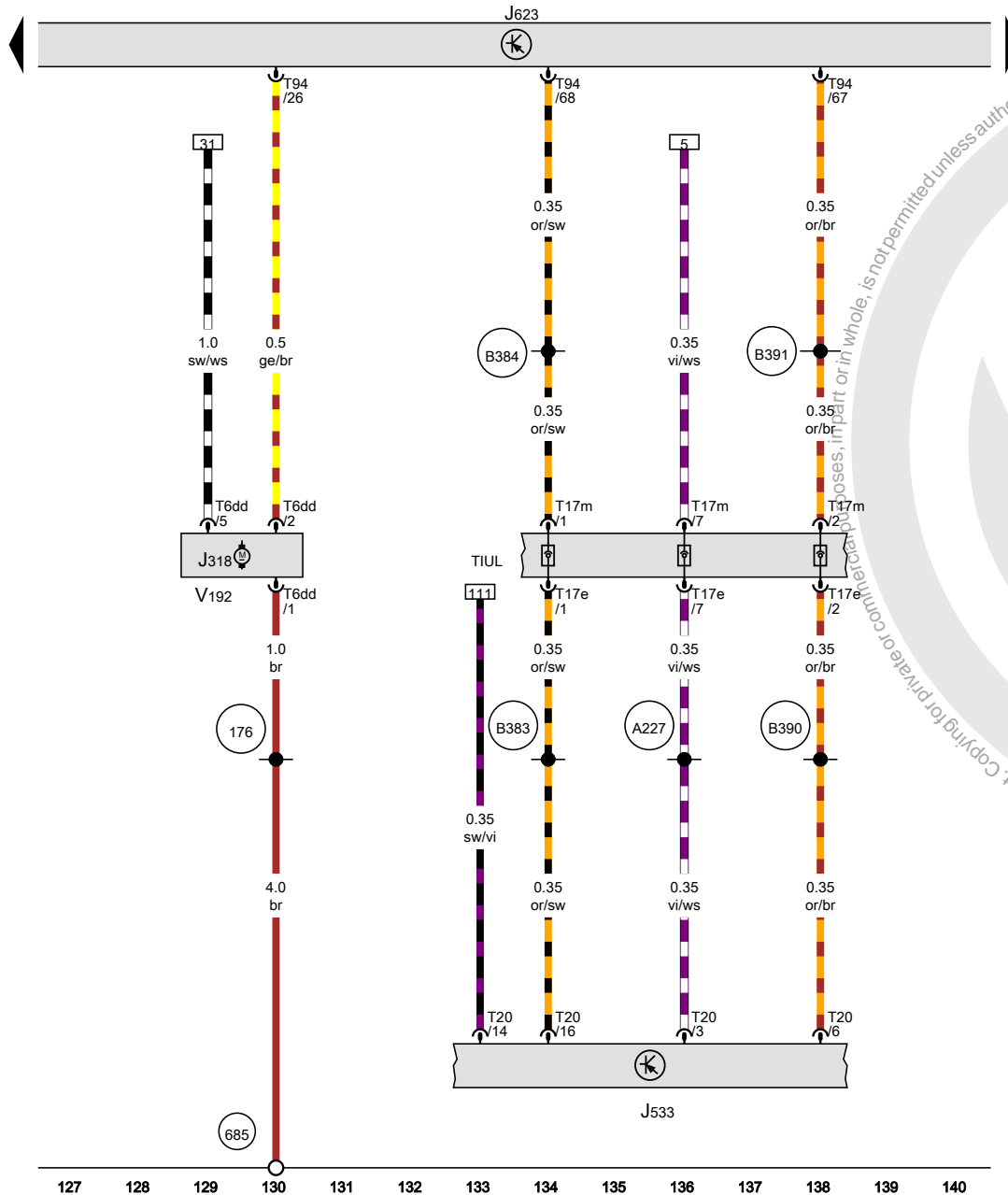
Oil pressure sender, Engine/motor control unit

- G10 Oil pressure sender
- J623 Engine/motor control unit
- T3dw 3-pin connector, black
- T14u 14-pin connector, grey
- T14v 14-pin connector, grey
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- 85 Earth connection 1, in engine compartment wiring harness
- * According to equipment



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

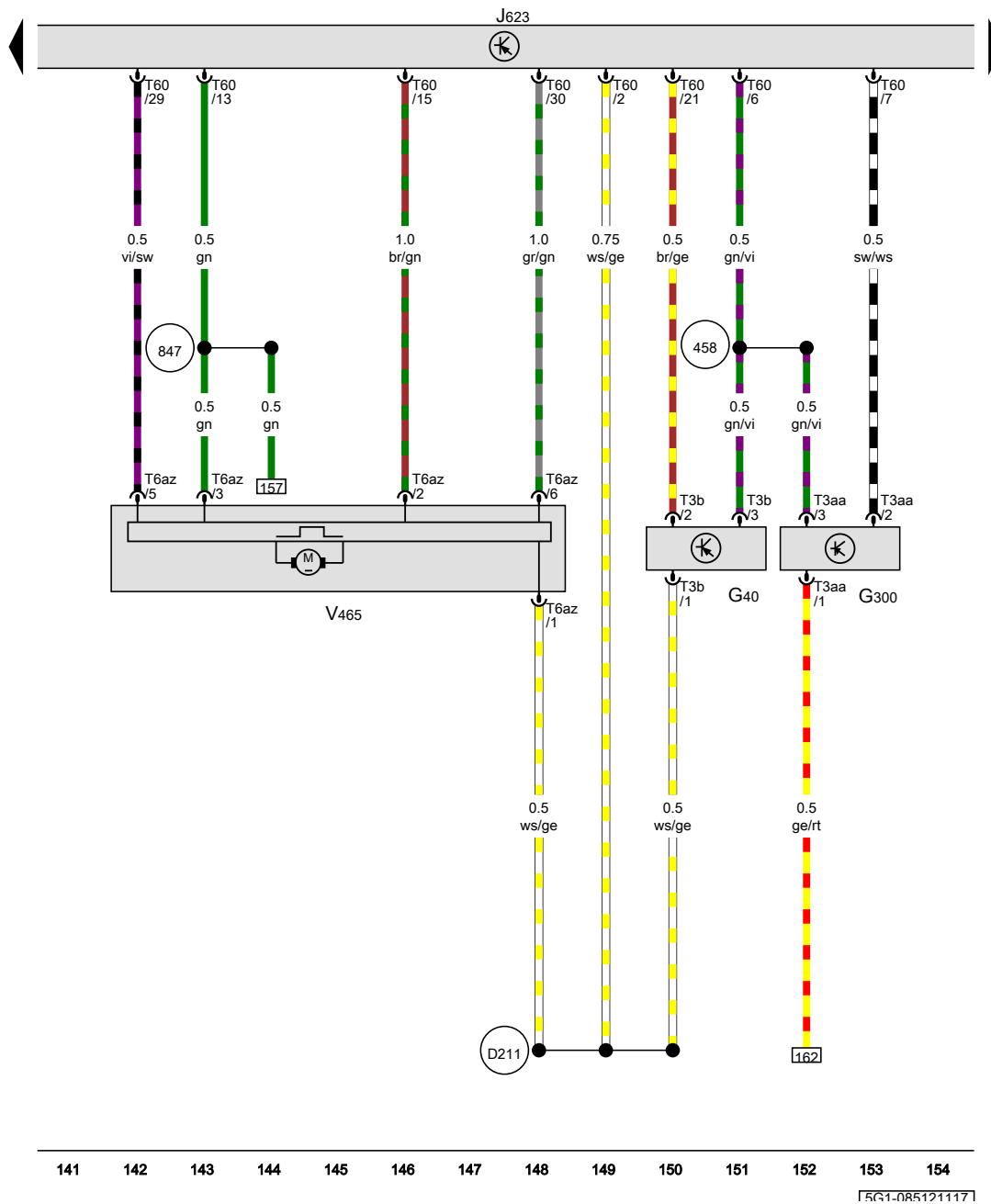
Data bus diagnostic interface, Engine/motor control unit,
Vacuum pump for brakes



- J318 Vacuum pump relay
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T6dd 6-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, black
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- V192 Vacuum pump for brakes
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

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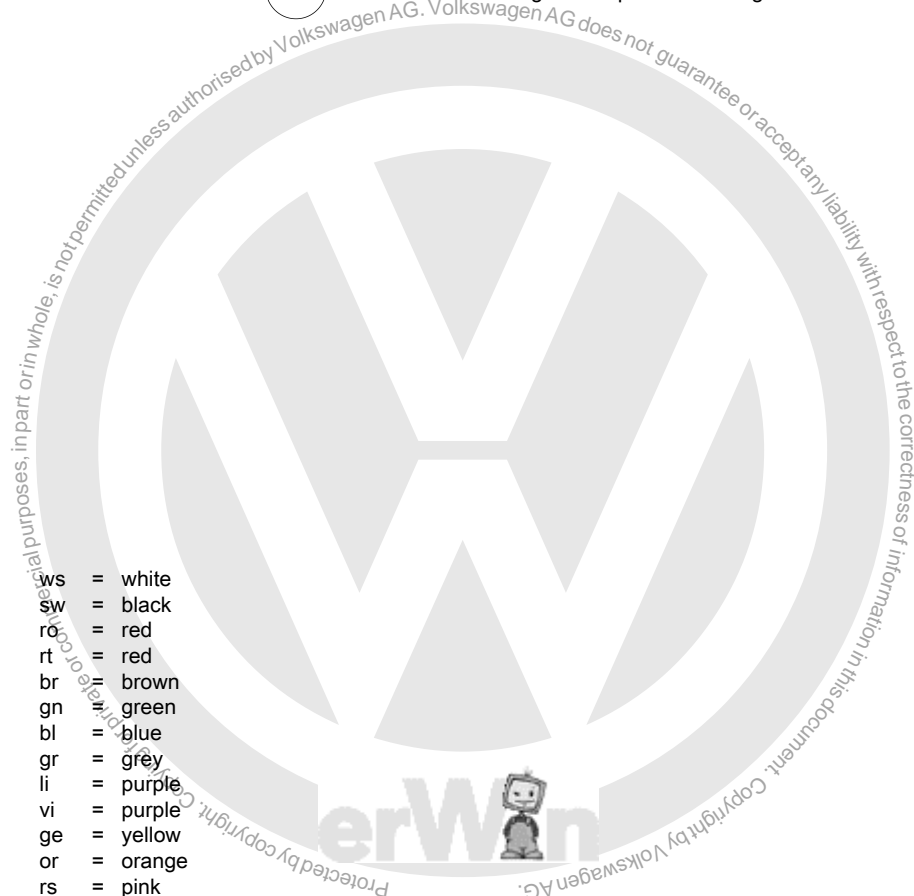
[5G1-085111117]



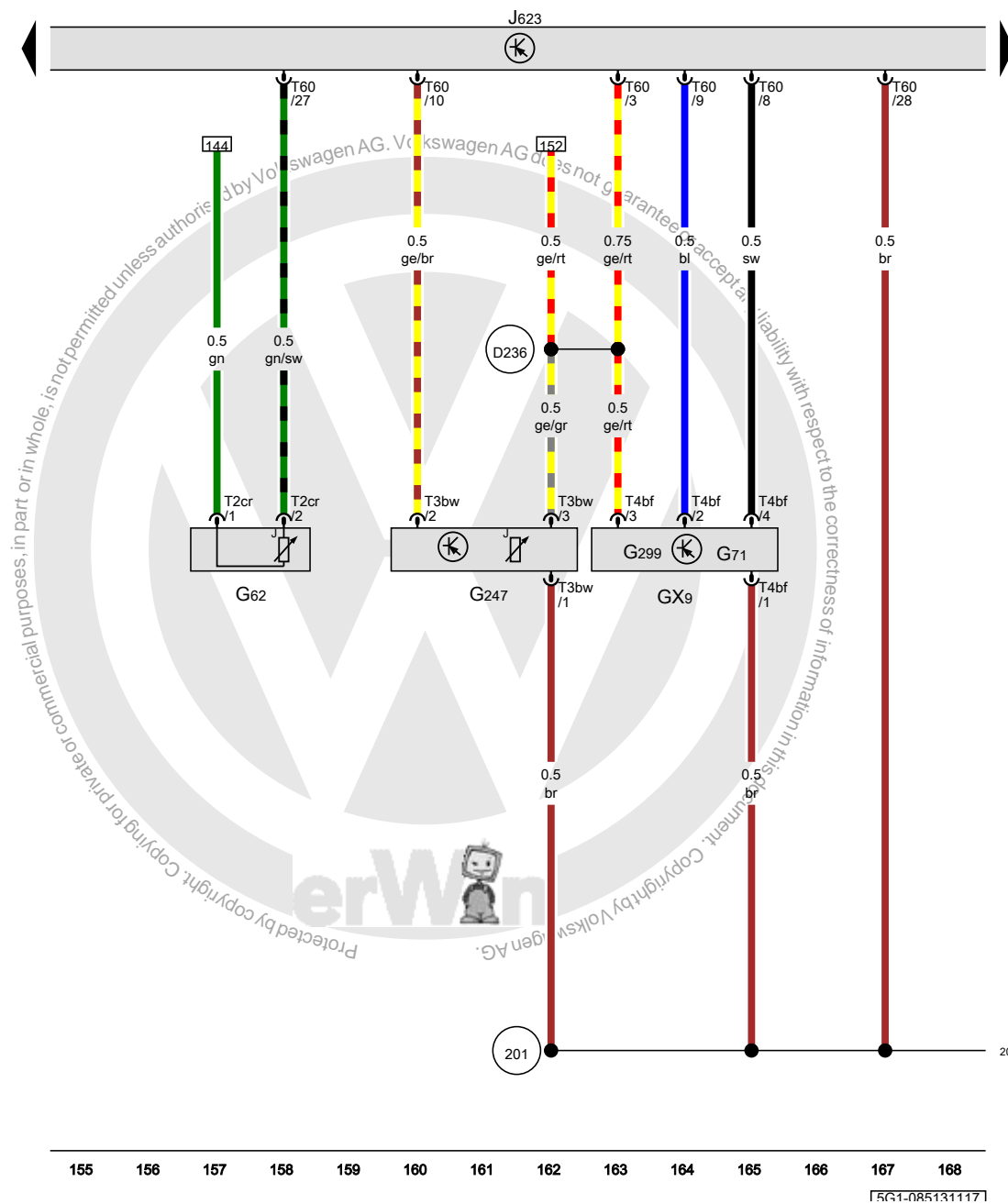
Hall sender, Hall sender 3, Engine/motor control unit,
Charge pressure positioner

- G40 Hall sender
- G300 Hall sender 3
- J623 Engine/motor control unit
- T3aa 3-pin connector, black
- T3b 3-pin connector
- T6az 6-pin connector, grey
- T60 60-pin connector, black
- V465 Charge pressure positioner

- 458 Earth point 3, engine prewiring harness
- 847 Earth point 10, engine prewiring harness
- D211 Connection 29 in engine compartment wiring harness



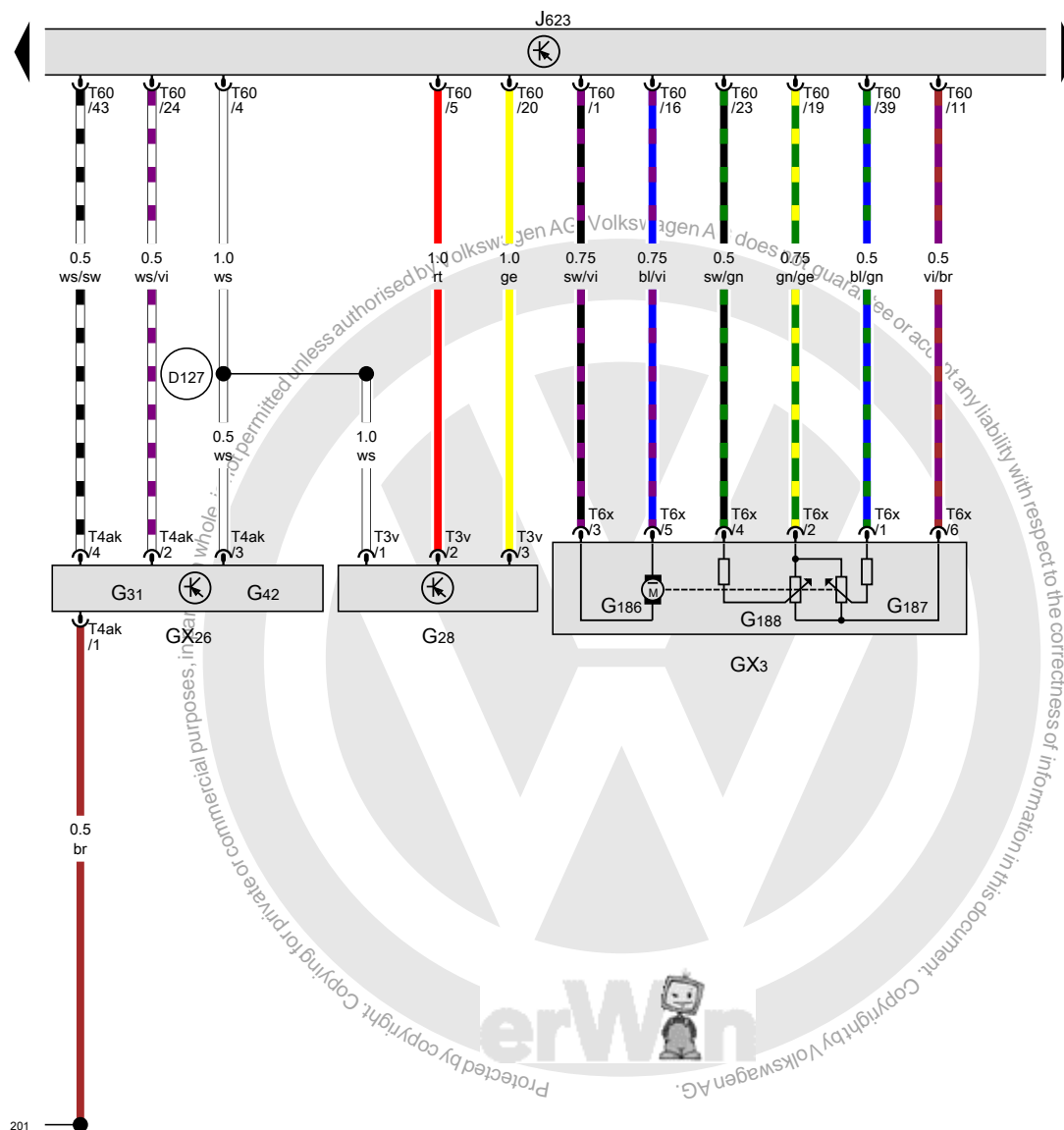
- ws = white
- sw = black
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- gr = grey
- li = purple
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Intake manifold sender, Coolant temperature sender, Fuel pressure sender, Engine/motor control unit

- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector, black
- T60 60-pin connector, black

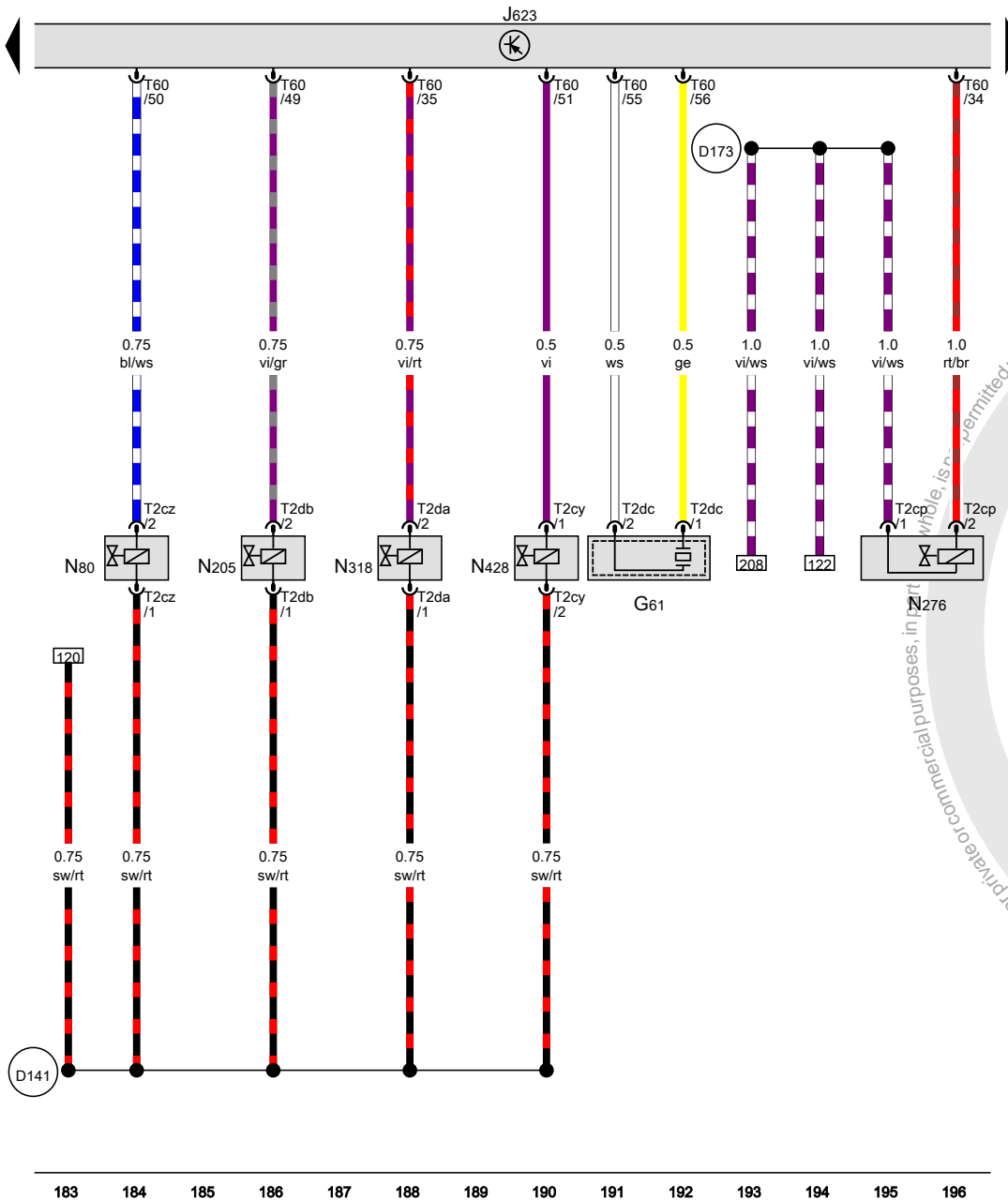
- 201 Earth connection 5, in engine compartment wiring harness
- D236 Connection 5 (5V) in engine prewiring harness



ws = white
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 vi = purple
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 or = orange
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Throttle valve module, Charge pressure sender, Engine speed sender, Engine/motor control unit

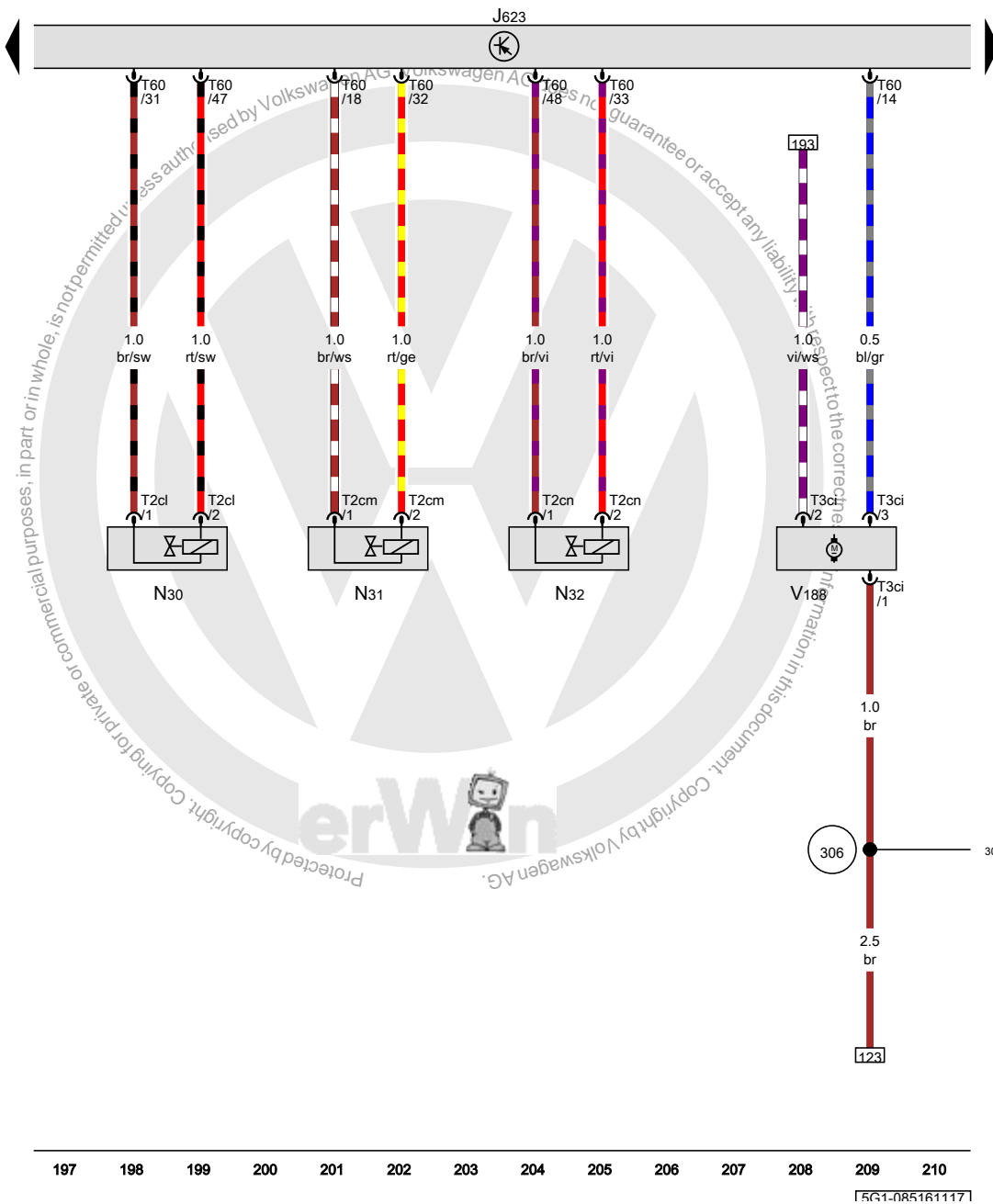
- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine/motor control unit
- T3v 3-pin connector
- T4ak 4-pin connector, black
- T6x 6-pin connector, black
- T60 60-pin connector, black
- 201 Earth connection 5, in engine compartment wiring harness
- D127 Connection 25 in engine compartment wiring harness



Knock sensor 1, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

- G61 Knock sensor 1
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector, black
- T2cy 2-pin connector
- T2cz 2-pin connector, black
- T2da 2-pin connector, black
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector, black
- D141 Connection (5V) in engine prewiring harness
- D173 Connection (87), in engine prewiring harness

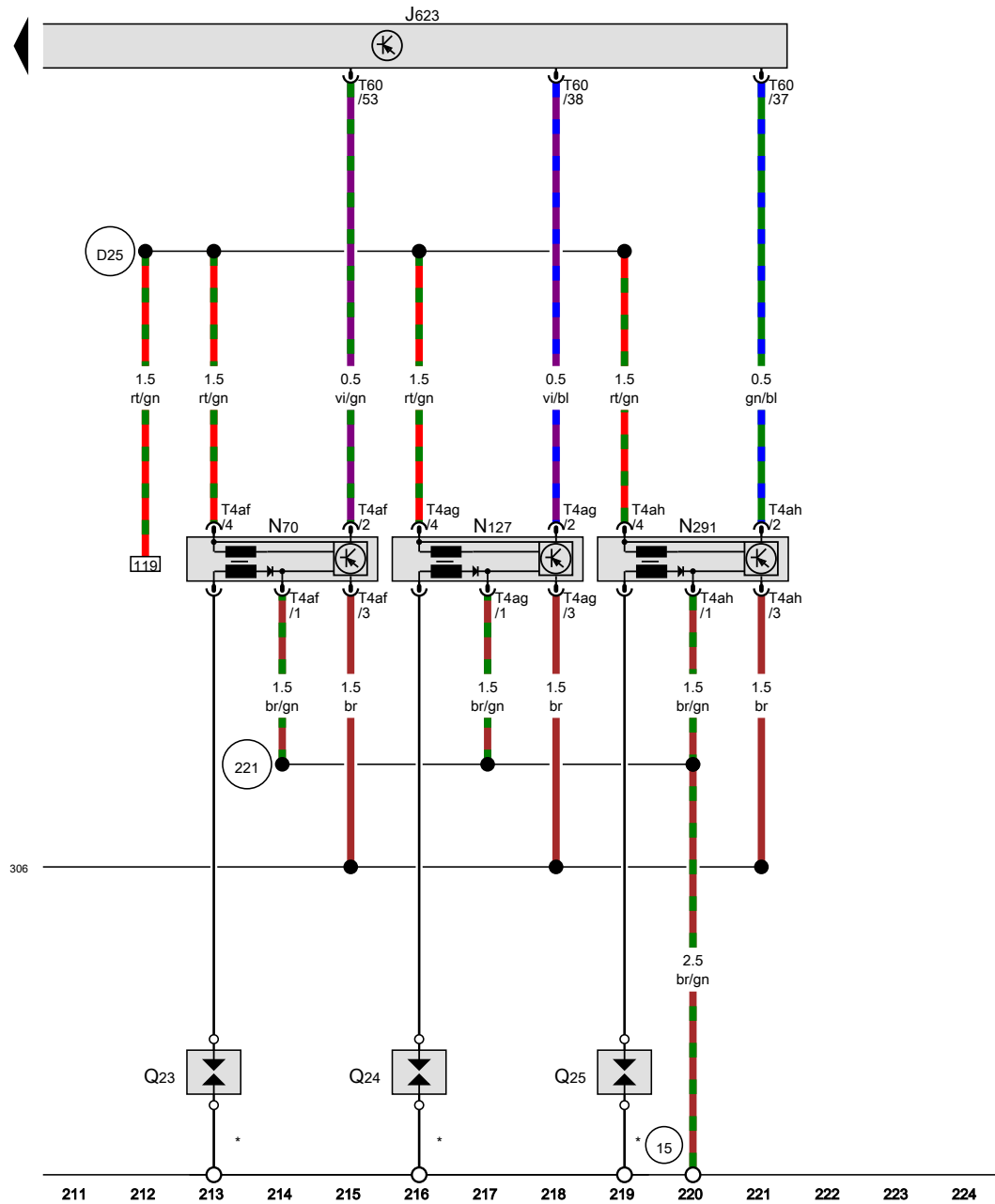
- ws = white
- sw = black
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- rs = pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Charge air cooling pump

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T3ci 3-pin connector
- T60 60-pin connector, black
- V188 Charge air cooling pump

306 Earth connection (ignition coils), in engine prewiring harness



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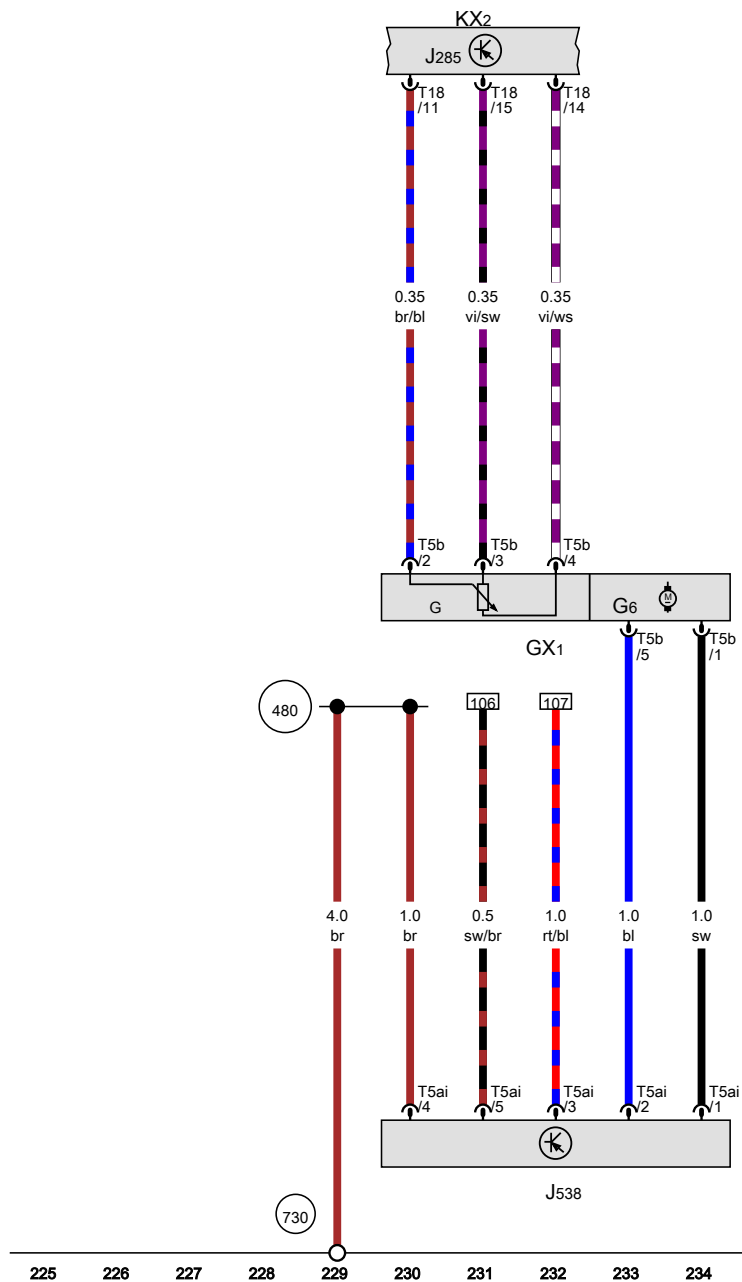
erWin

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector, black
- T5b 5-pin connector, black
- T18 18-pin connector, black

480 Earth connection, in fuel tank wiring harness

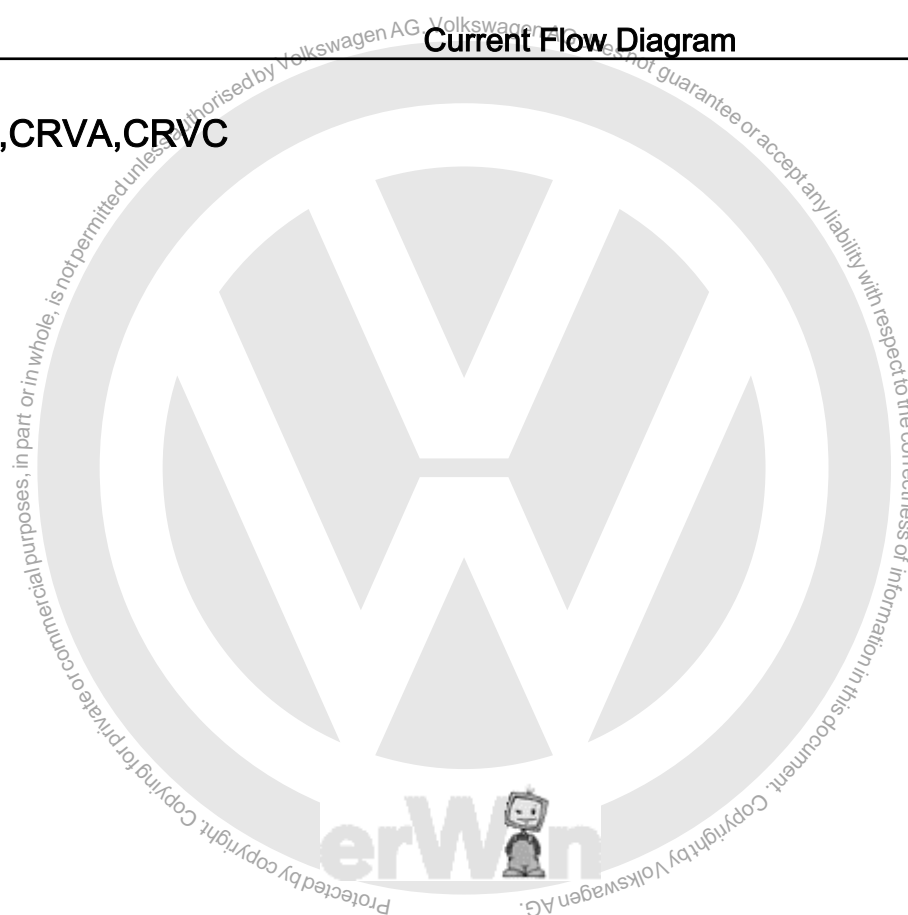
730 Earth point 1, on right rear wheel housing



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- gr = grey
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- vi = purple
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- or = orange
- rs = pink

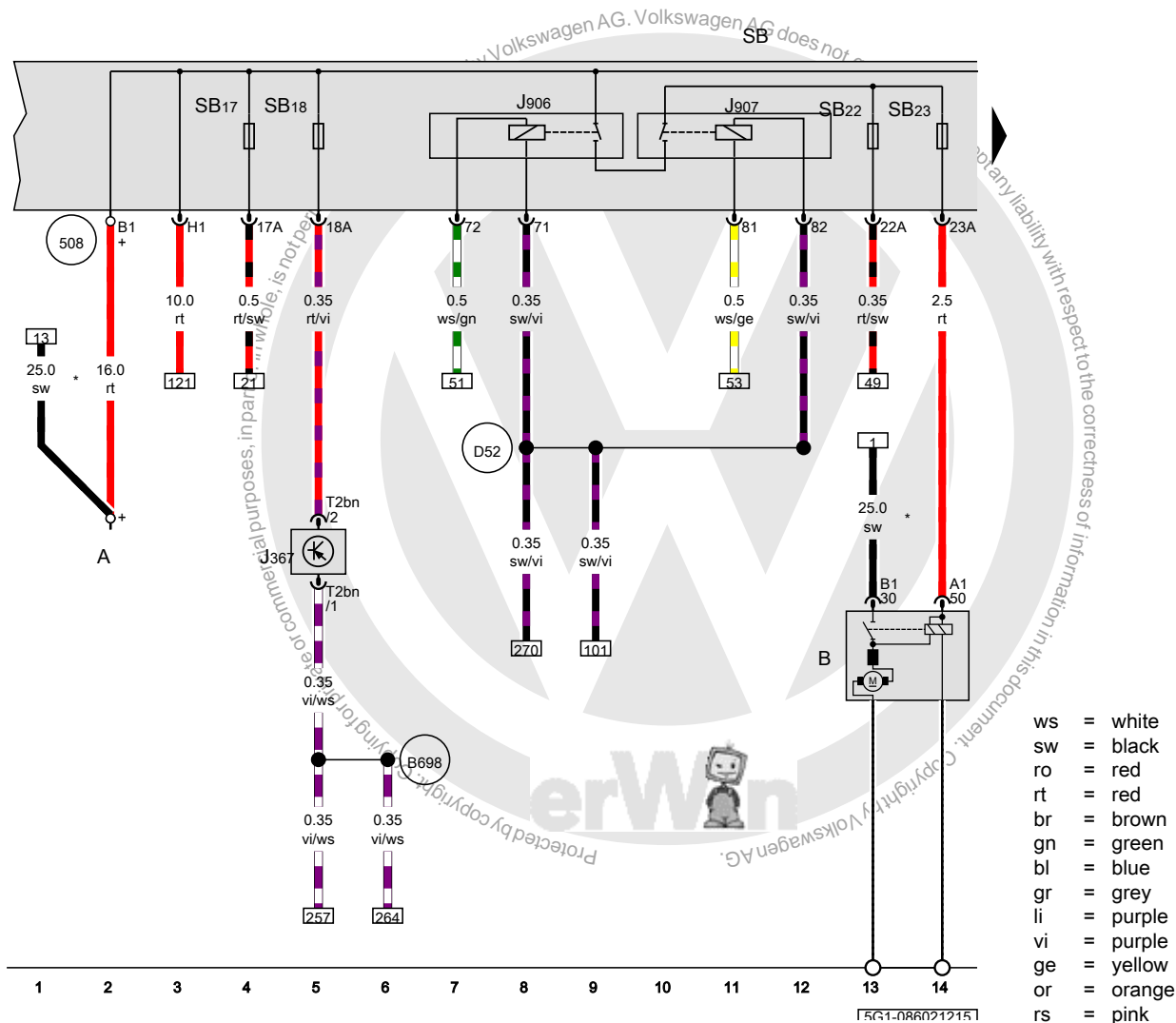
2.0l diesel engine , CRBC,CRVA,CRVC

From May 2015



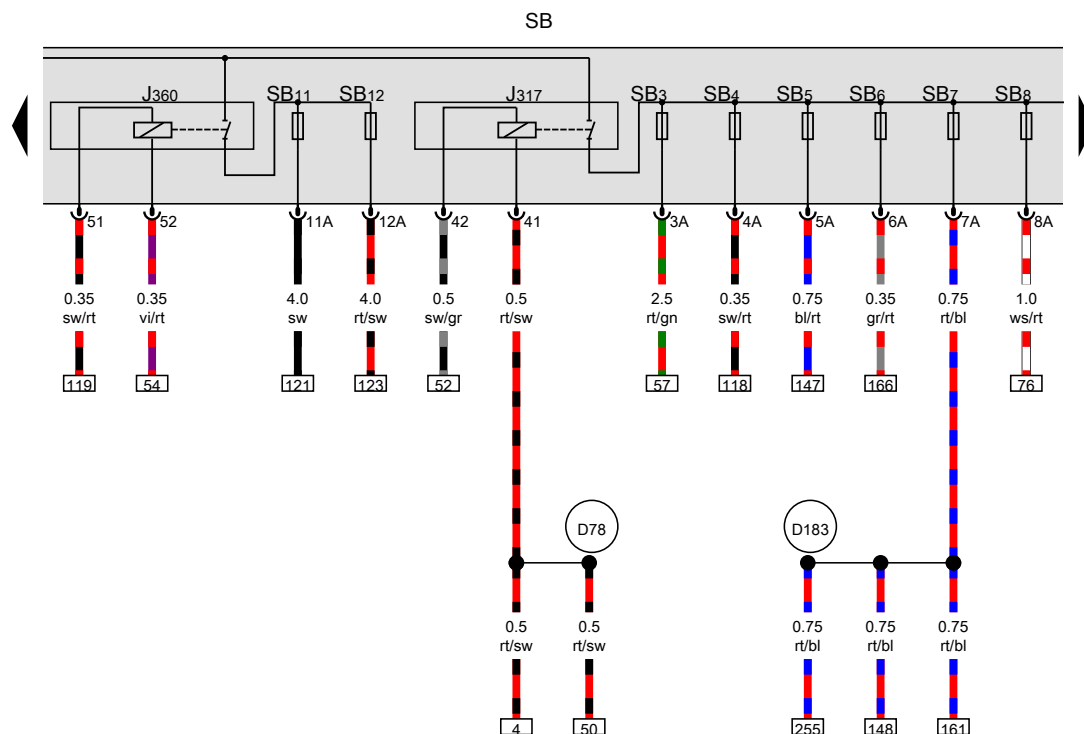
Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible



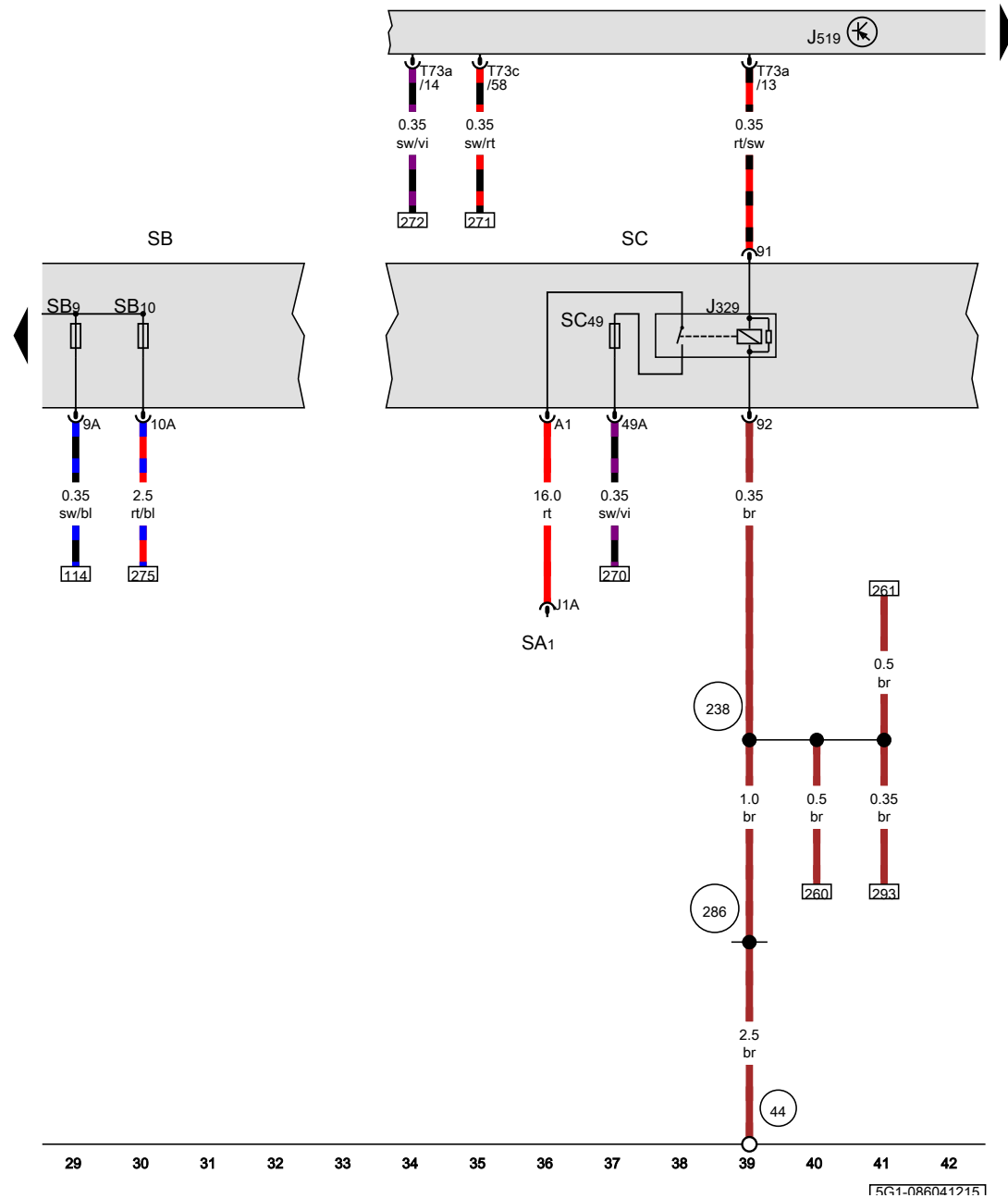
Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B



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- br = brown
- gn = green
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- vi = purple
- ge = yellow
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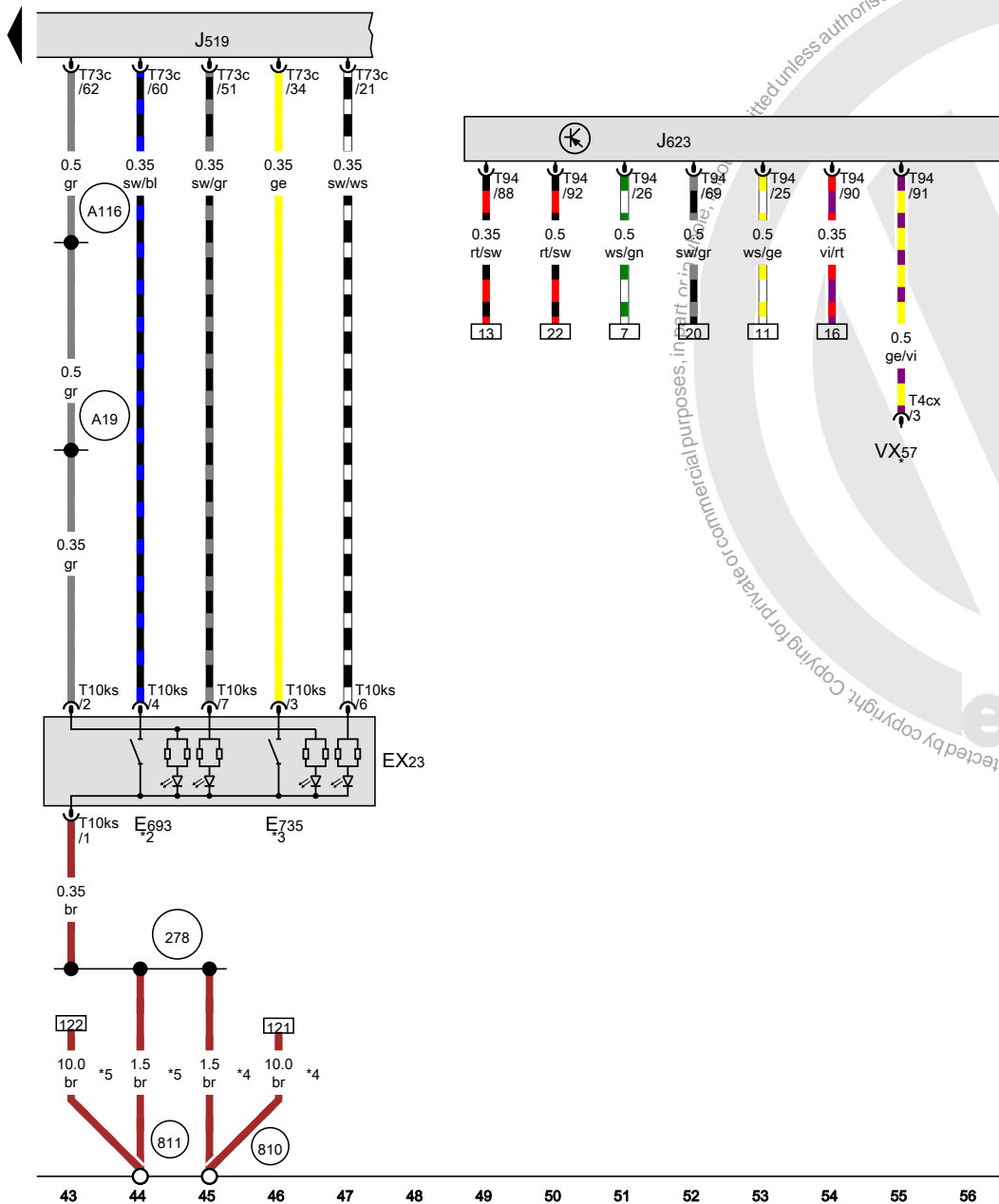
Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness

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- rt = red
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- bl = blue
- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Onboard supply control unit, Engine control unit, Radiator fan

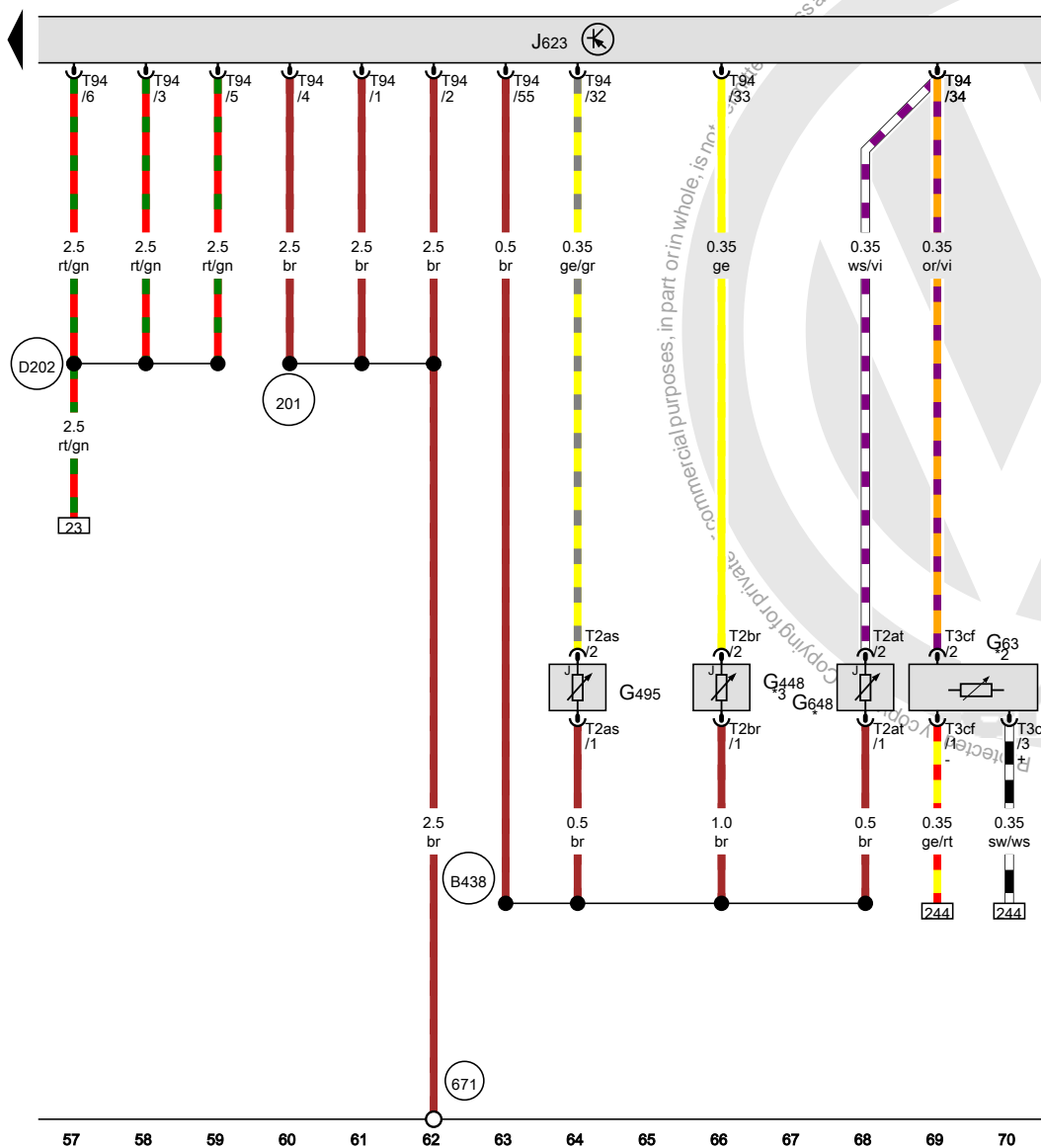
- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine control unit
- T4cx 4-pin connector
- T10ks 10-pin connector
- T73c 73-pin connector
- T94 94-pin connector
- VX57 Radiator fan

- 278 Earth connection 4 in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d) in dash panel wiring harness
- A116 Connection 2 (58d) in dash panel wiring harness
- * Pre-wired component
- *2 Only models with start/stop system
- *3 According to equipment
- *4 Only left-hand drive models
- *5 Only right-hand drive models

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- li = purple
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- ge = yellow
- or = orange
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15G1-086051215

Water separator sender, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit



- G63 Water separator sender
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2as 2-pin connector
- T2at 2-pin connector
- T2br 2-pin connector
- T3cf 3-pin connector
- T94 94-pin connector

- 201 Earth connection 5, in engine compartment wiring harness
- 671 Earth point 1, on front of left longitudinal member
- B438 Connection 2 (GND (earth)), in main wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness

- * Not for models with Euro 4 emission standard
- *2 Only models with Euro 4 emission standard
- *3 Only models with Euro 6 plus emission standard

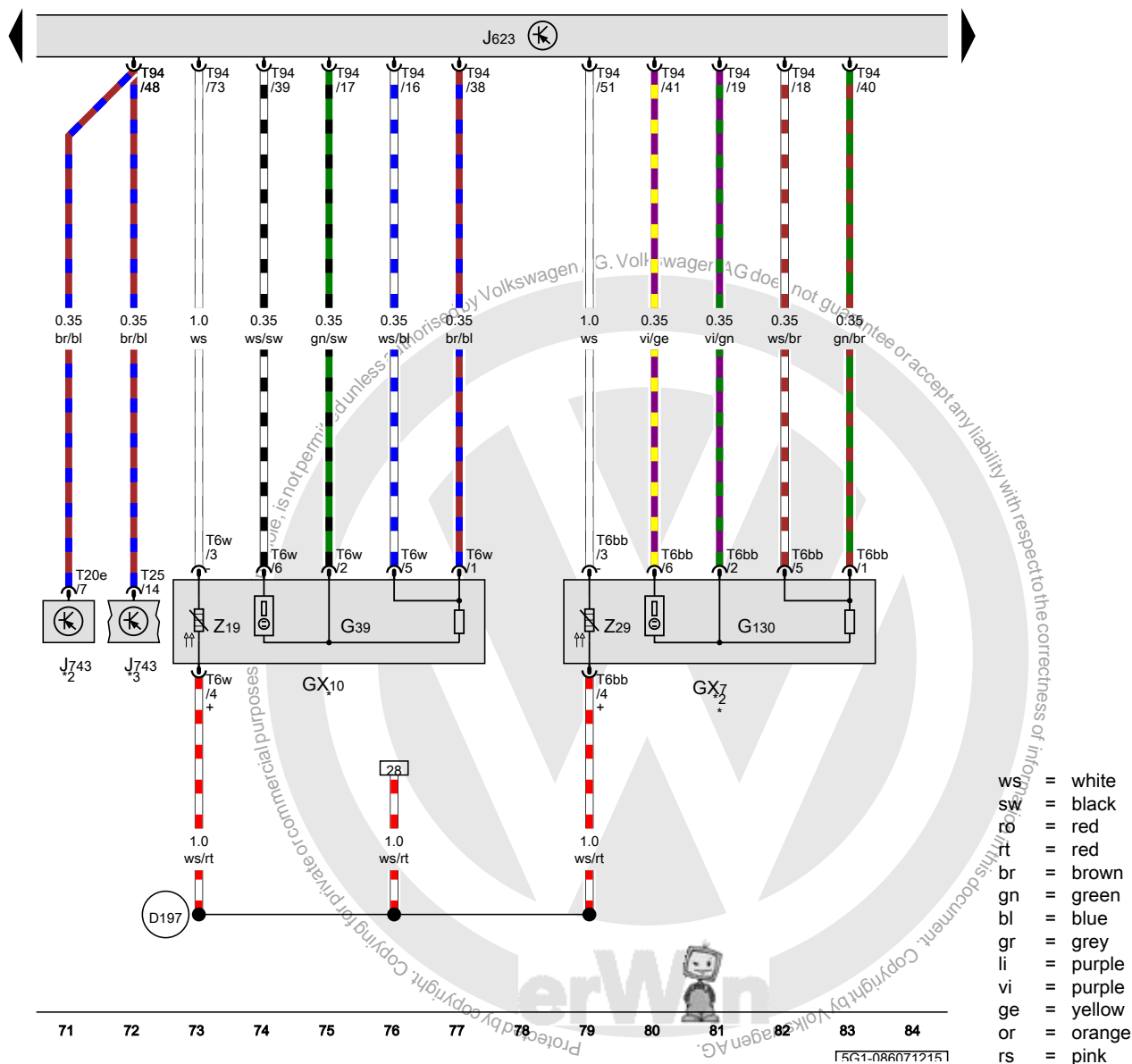
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit, Mechatronic unit for dual clutch gearbox

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector
- T6w 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D197 Connection 5 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 see applicable current flow diagram for gearbox



Gearbox neutral position sender, Engine control unit, Exhaust flap control unit

G701 Gearbox neutral position sender

J623 Engine control unit

J883 Exhaust flap control unit

T3bo 3-pin connector

T5aa 5-pin connector

T5ab 5-pin connector, brown

T5ao 5-pin connector

T94 94-pin connector

TAQL Coupling point on rear cross member, left

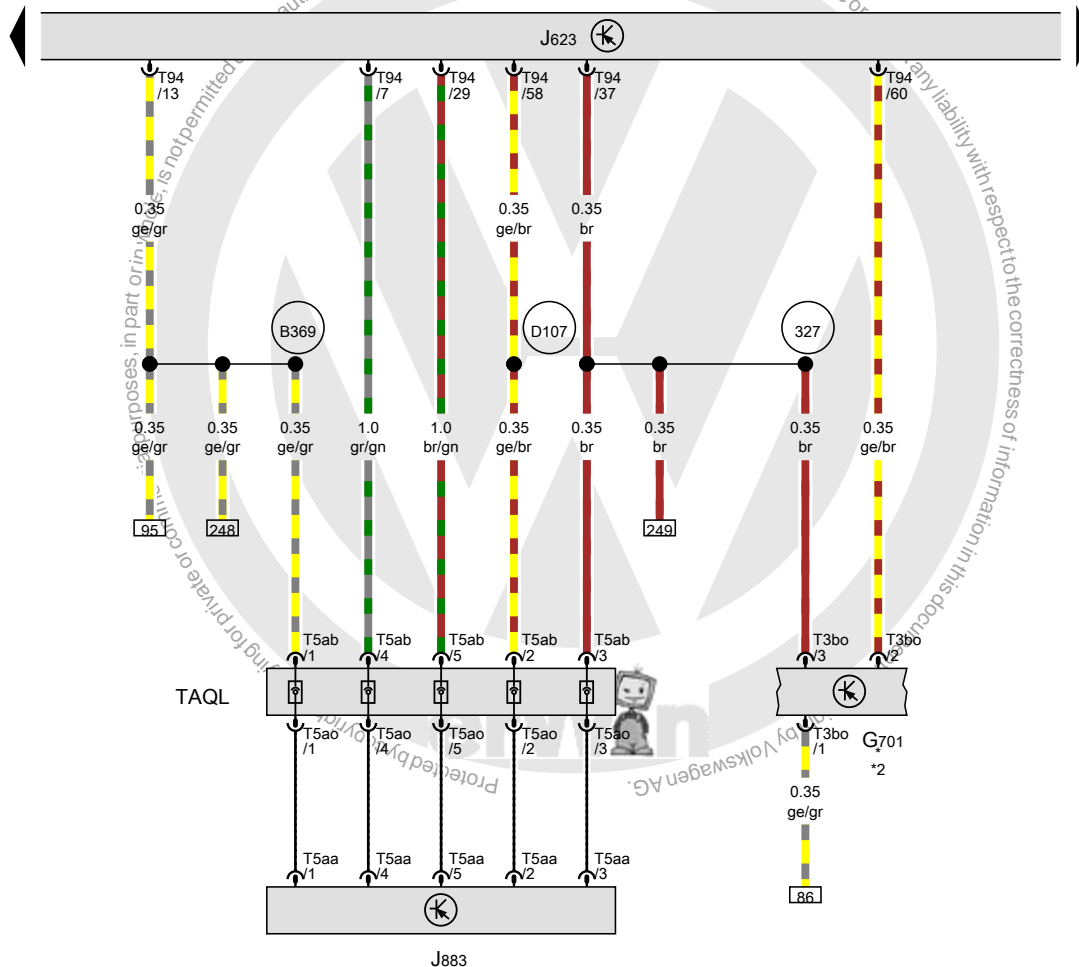
327 Earth connection (sender earth), in engine compartment wiring harness

B369 Connection 1 (5V), in main wiring harness

D107 Connection 5 in engine compartment wiring harness

* Only models with start/stop system

*2 Only models with manual gearbox



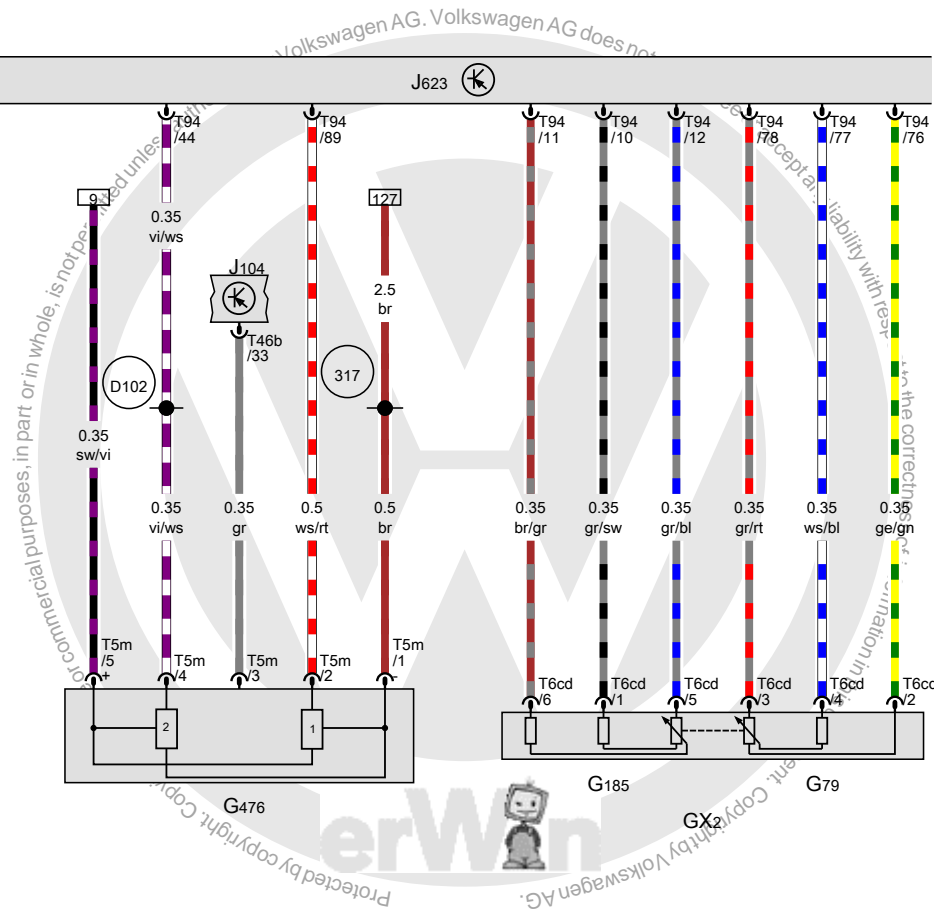
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Accelerator pedal module, Clutch position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T5m 5-pin connector
- T6cd 6-pin connector
- T46b 46-pin connector
- T94 94-pin connector

317 Earth connection 7, in engine compartment wiring harness

D102 Connection 2 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Air mass meter, Low heat output relay, Engine control unit,
Heater element for crankcase breather, Auxiliary air heater element

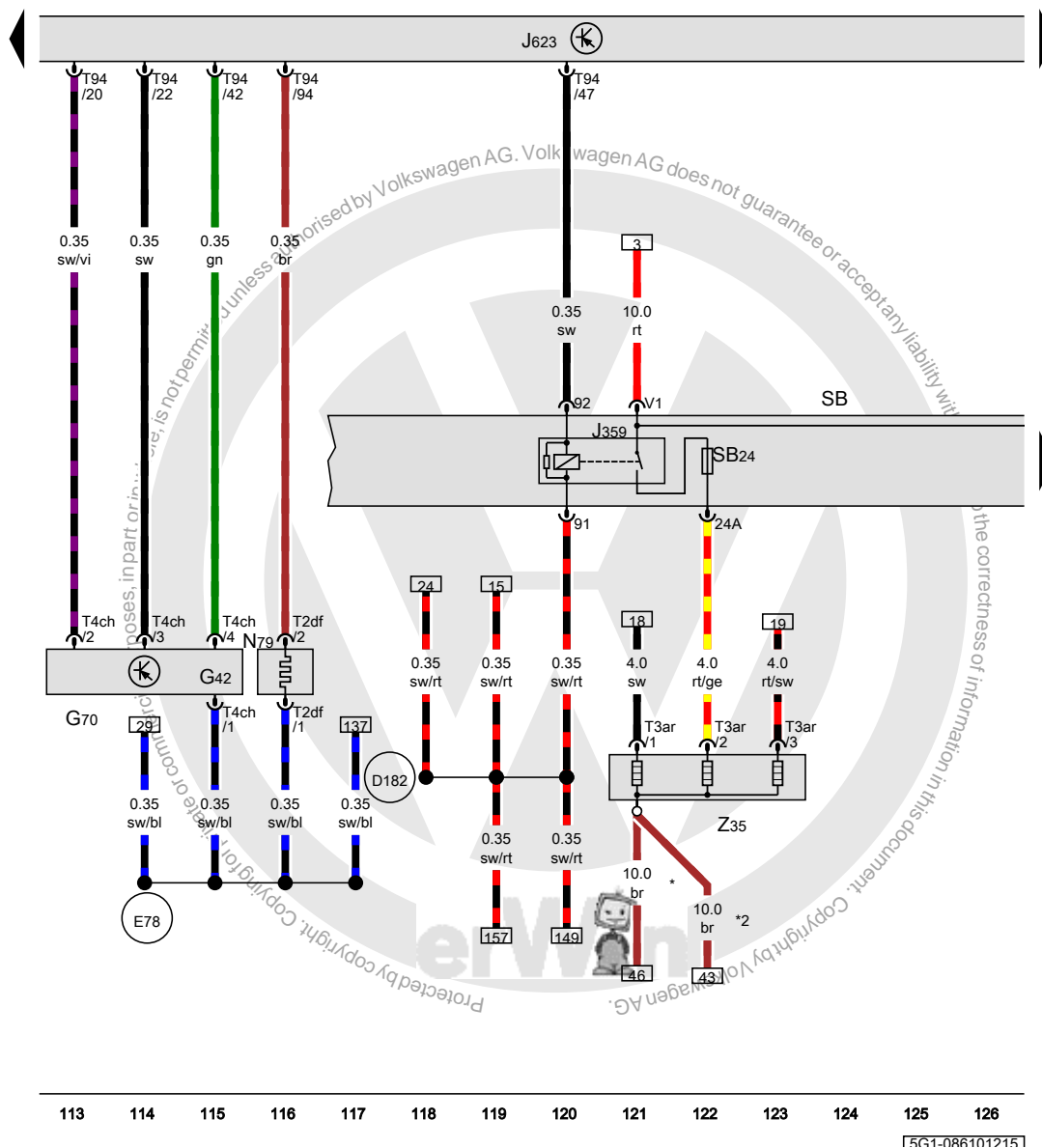
- G42 Intake air temperature sender
- G70 Air mass meter
- J359 Low heat output relay
- J623 Engine control unit
- N79 Heater element for crankcase breather
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T3ar 3-pin connector
- T4ch 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

D182 Connection 3 (87a), in engine compartment wiring harness

E78 Connection 2 (87a) in engine wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



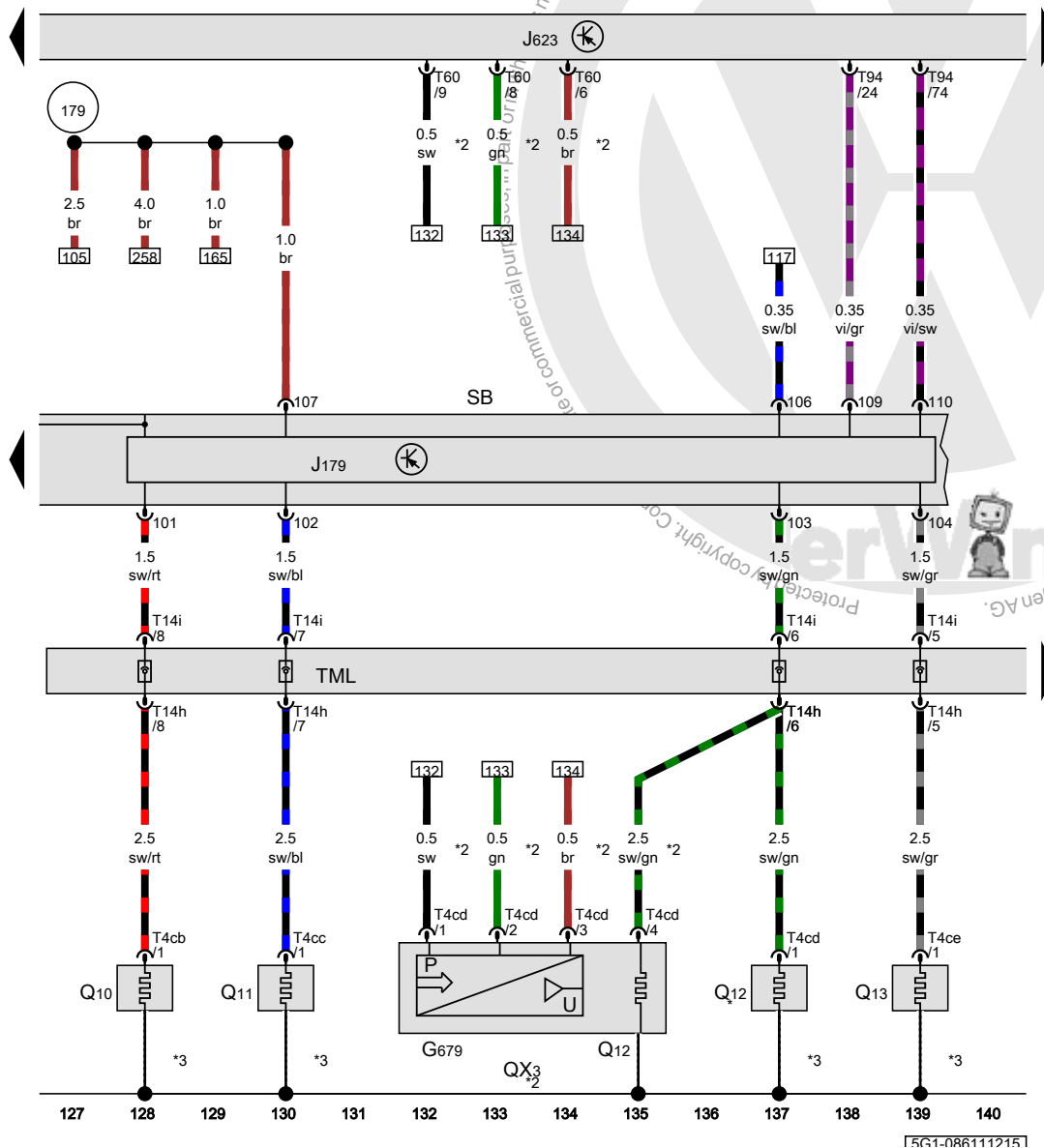
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- G679 Cylinder 3 combustion chamber pressure sender
- J179 Automatic glow period control unit
- J623 Engine control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B, in E-box
- T4cb 4-pin connector, black
- T4cc 4-pin connector, black
- T4cd 4-pin connector, black
- T4ce 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

179 Earth connection, in left headlight wiring harness

- * Not for models with Euro 6 plus emission standard
- *2 Only models with Euro 6 plus emission standard
- *3 Earth supply via housing

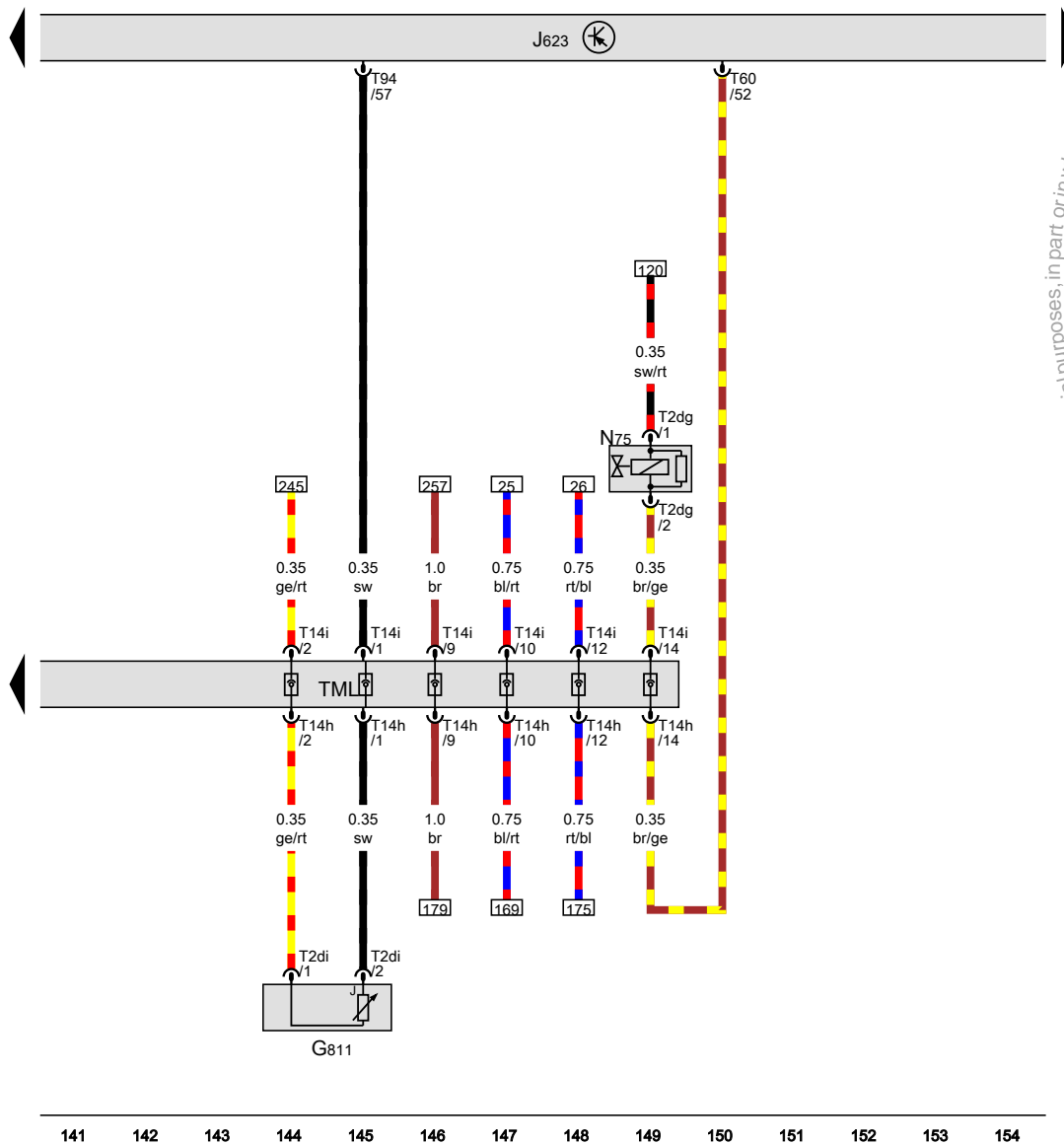
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



15G1-08R111215

Charge air temperature sender after charge air cooler,
Engine control unit, Charge pressure control solenoid valve

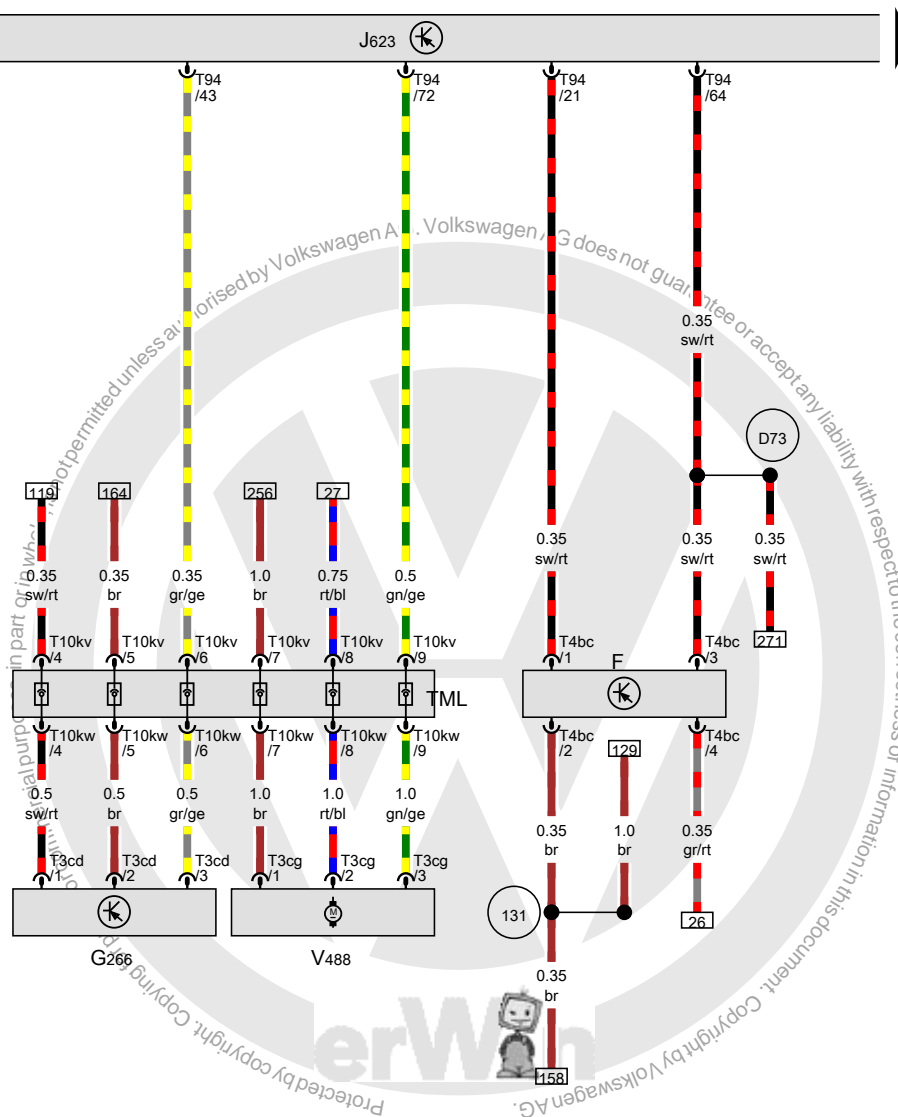
- G811 Charge air temperature sender after charge air cooler
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- T2dg 2-pin connector
- T2di 2-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

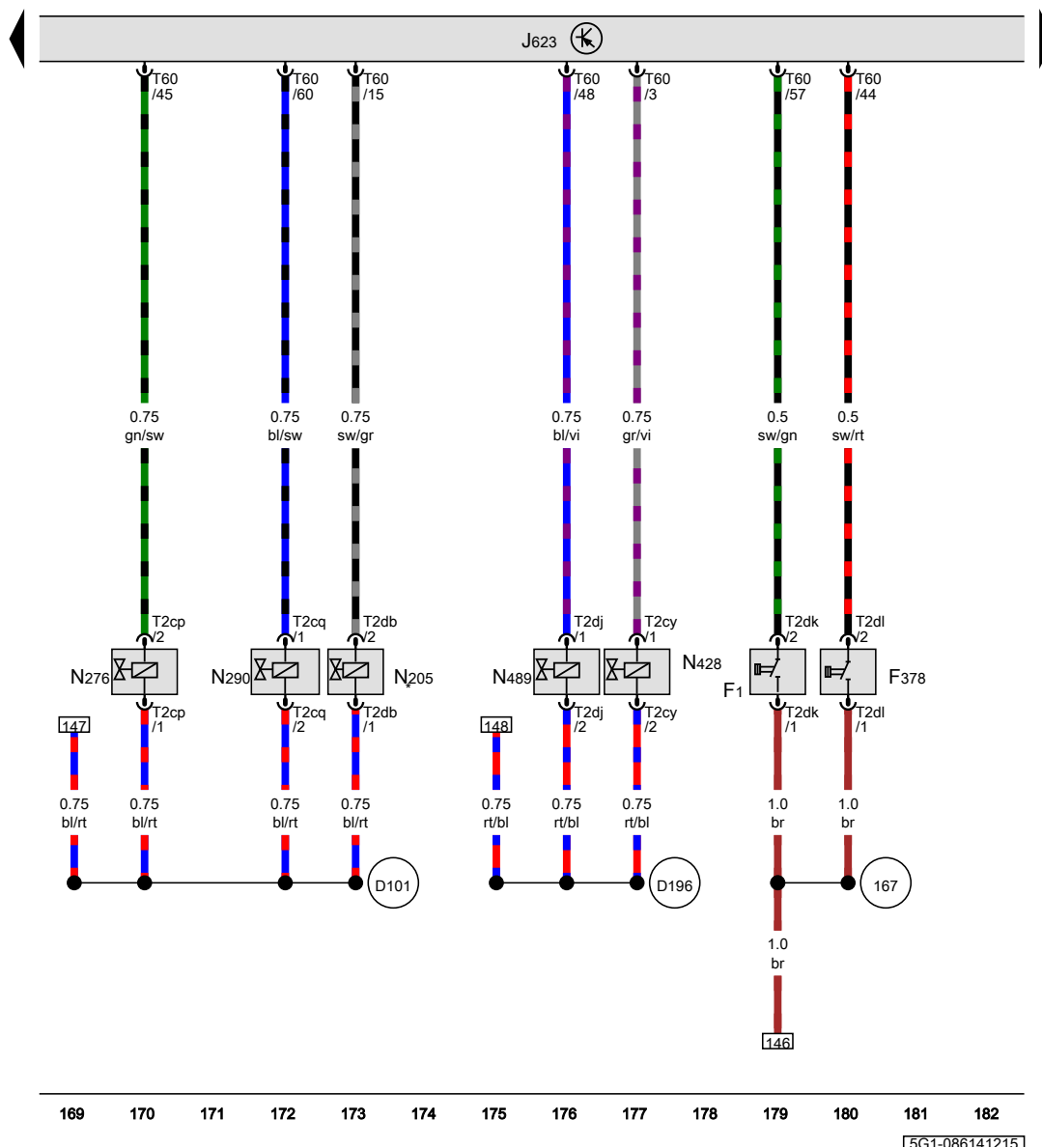
Brake light switch, Oil level and oil temperature sender, Engine control unit, Auxiliary pump for heating

- F Brake light switch
- G266 Oil level and oil temperature sender
- J623 Engine control unit
- T3cd 3-pin connector
- T3cg 3-pin connector
- T4bc 4-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

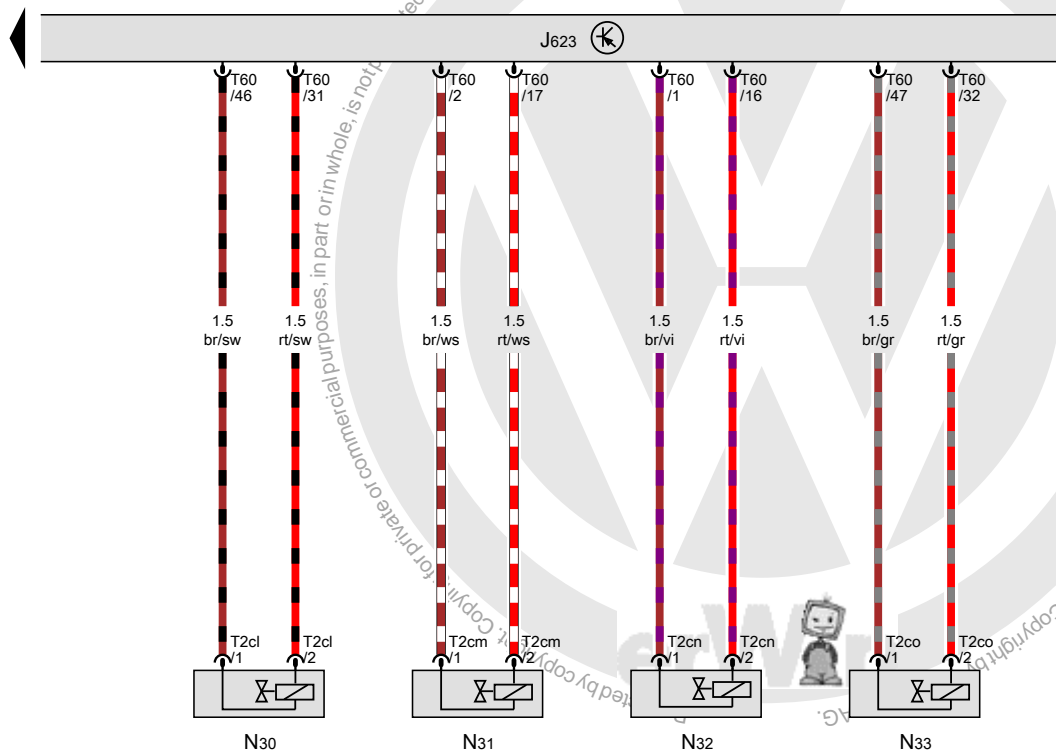


- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T60 60-pin connector
- 167 Earth connection 4, in engine compartment wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * Only models with Euro 6 plus emission standard

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector

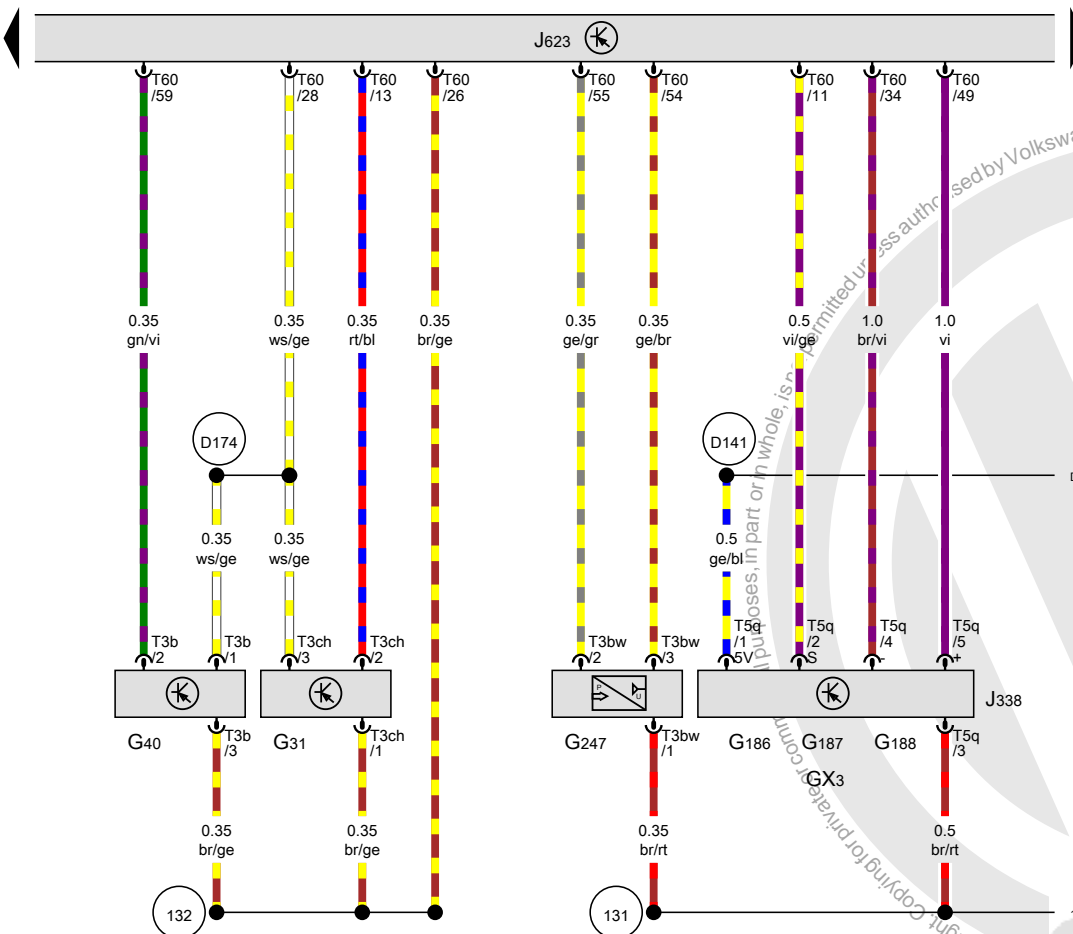


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

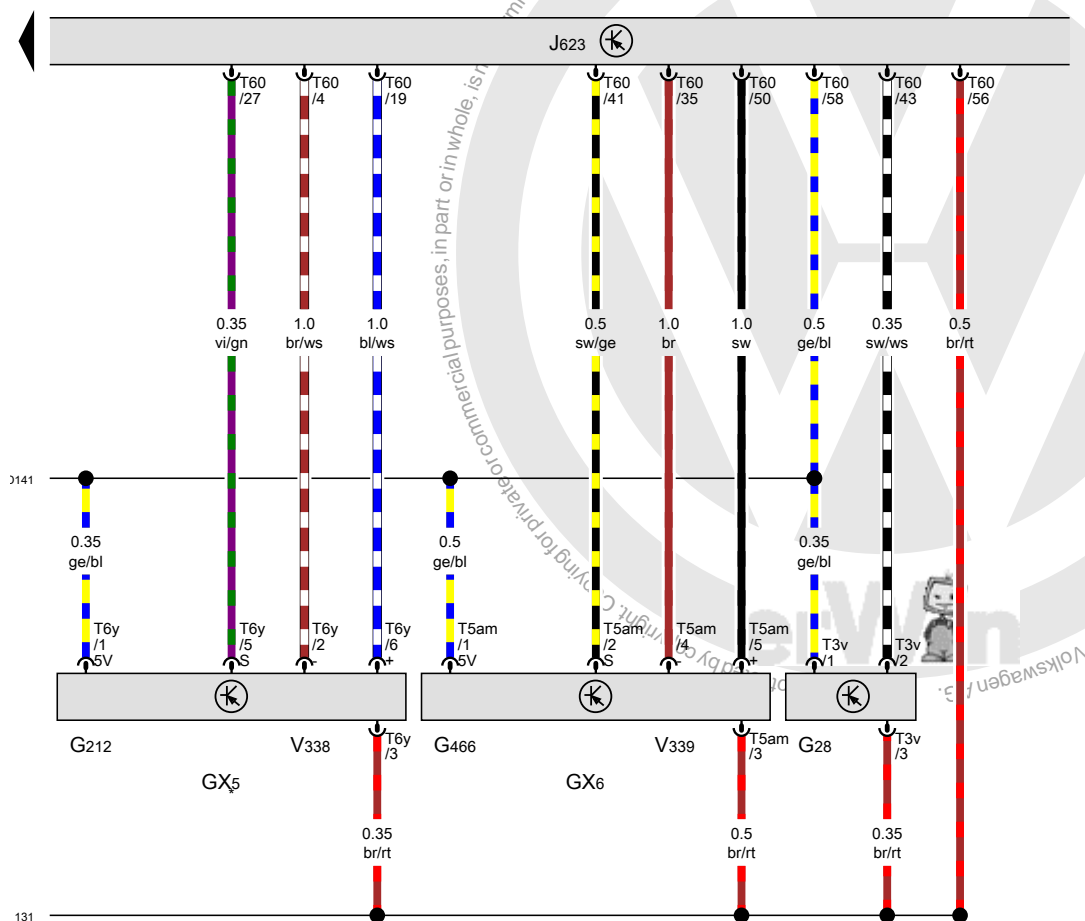
Throttle valve module, Charge pressure sender, Hall sender, Fuel pressure sender, Engine control unit

- GX3 Throttle valve module
- G31 Charge pressure sender
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3ch 3-pin connector, black
- T5q 5-pin connector
- T60 60-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine control unit
- T3v 3-pin connector
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

- * According to equipment
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

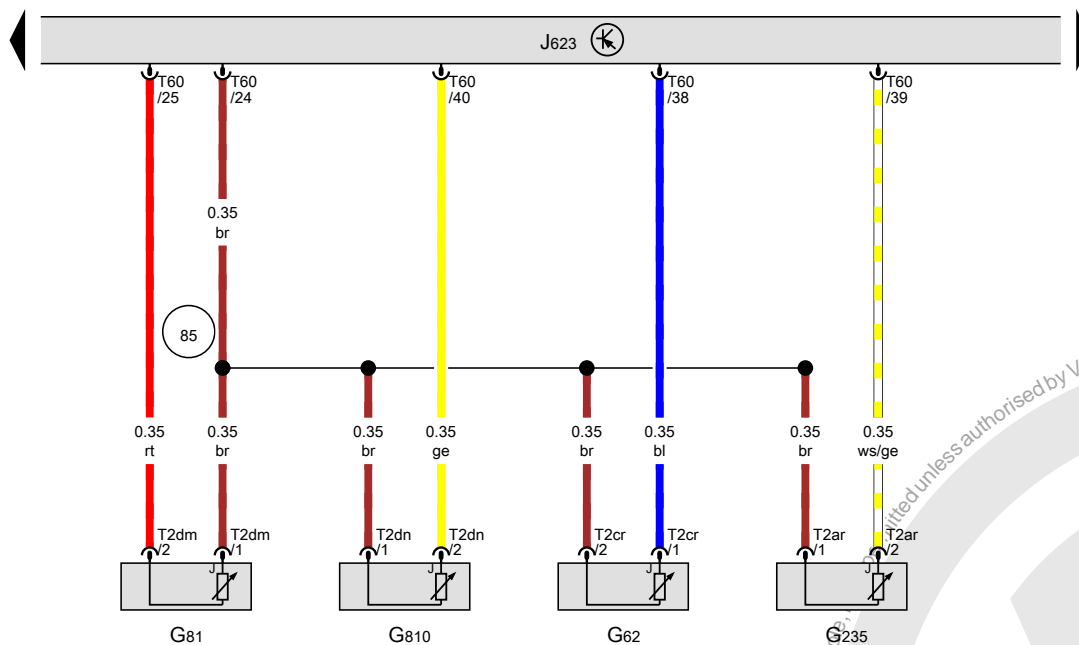
211 212 213 214 215 216 217 218 219 220 221 222 223 224

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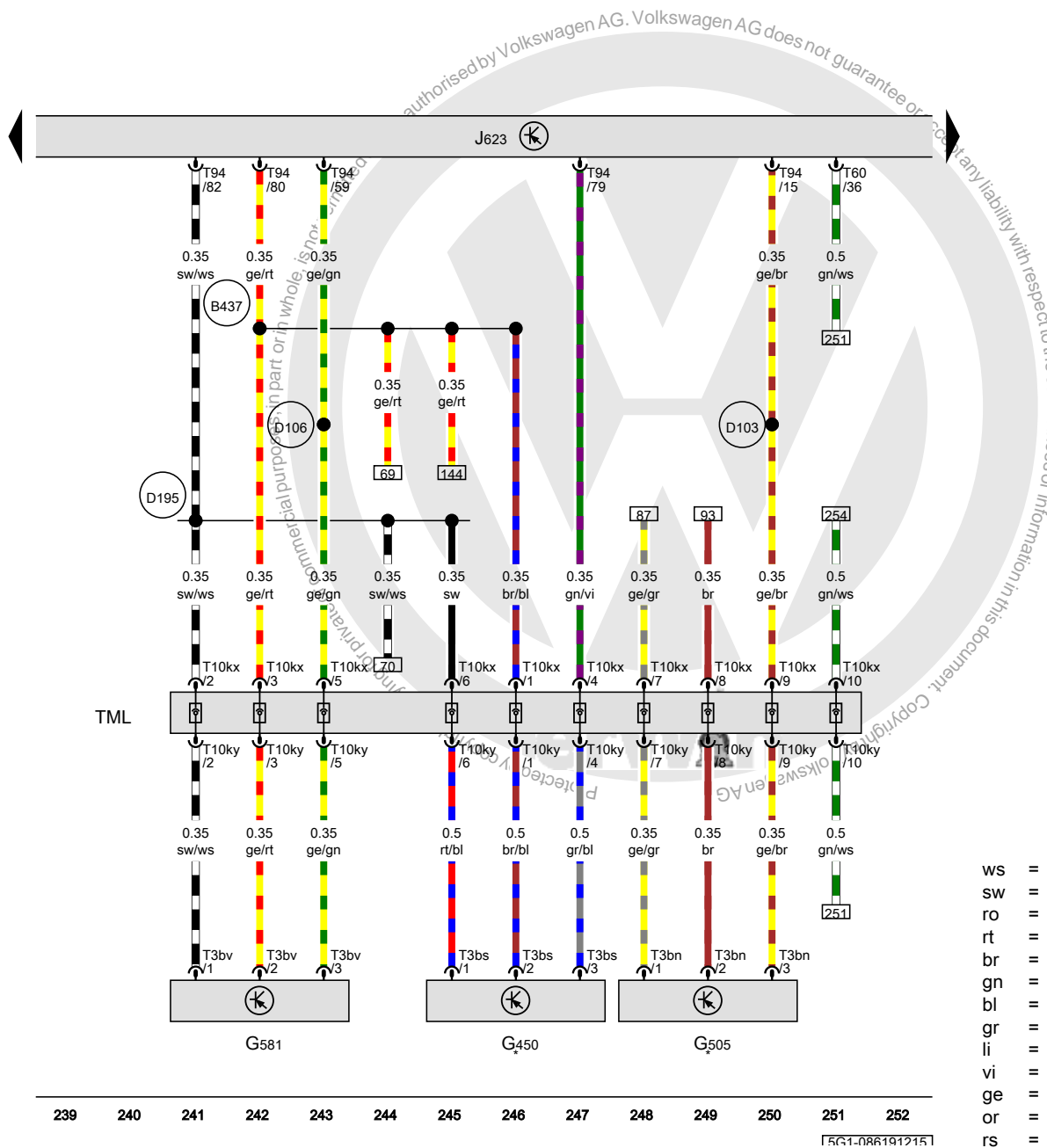
Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine control unit

- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine control unit
- T2ar 2-pin connector
- T2cr 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector

85 Earth connection 1, in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

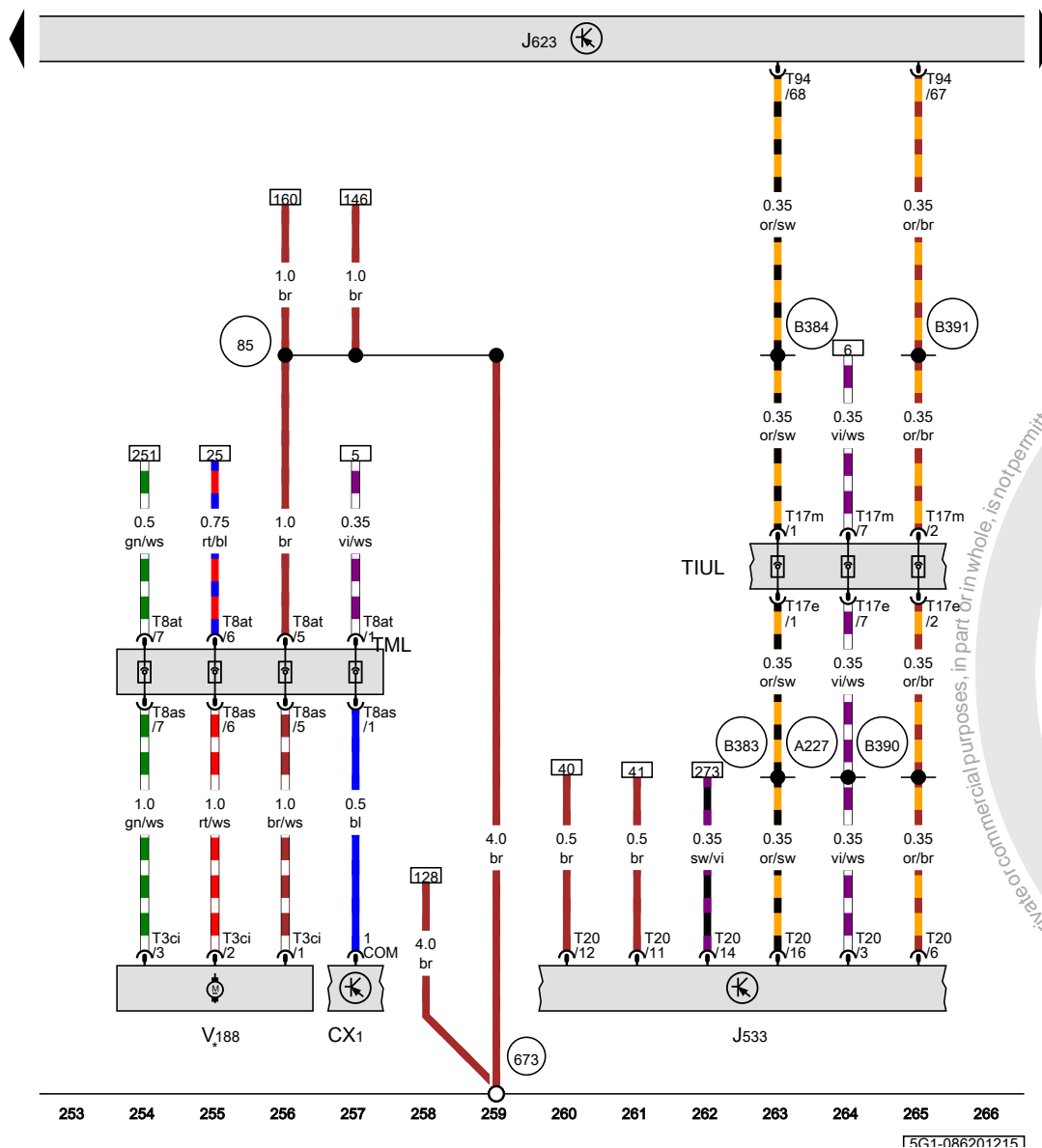


Exhaust gas pressure sensor 1, Pressure differential sender, Position sender for charge pressure positioner, Engine control unit

- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3bn 3-pin connector
- T3bs 3-pin connector
- T3bv 3-pin connector, black
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Not for models with Euro 4 emission standard

Alternator with voltage regulator, Data bus diagnostic interface, Engine control unit, Charge air cooling pump

- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T3ci 3-pin connector
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, black
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump



- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Steering column electronics control unit,
Fuel pump control unit, Engine control unit

- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J527 Steering column electronics control unit
- J538 Fuel pump control unit
- J623 Engine control unit
- T4db 4-pin connector
- T6cg 6-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

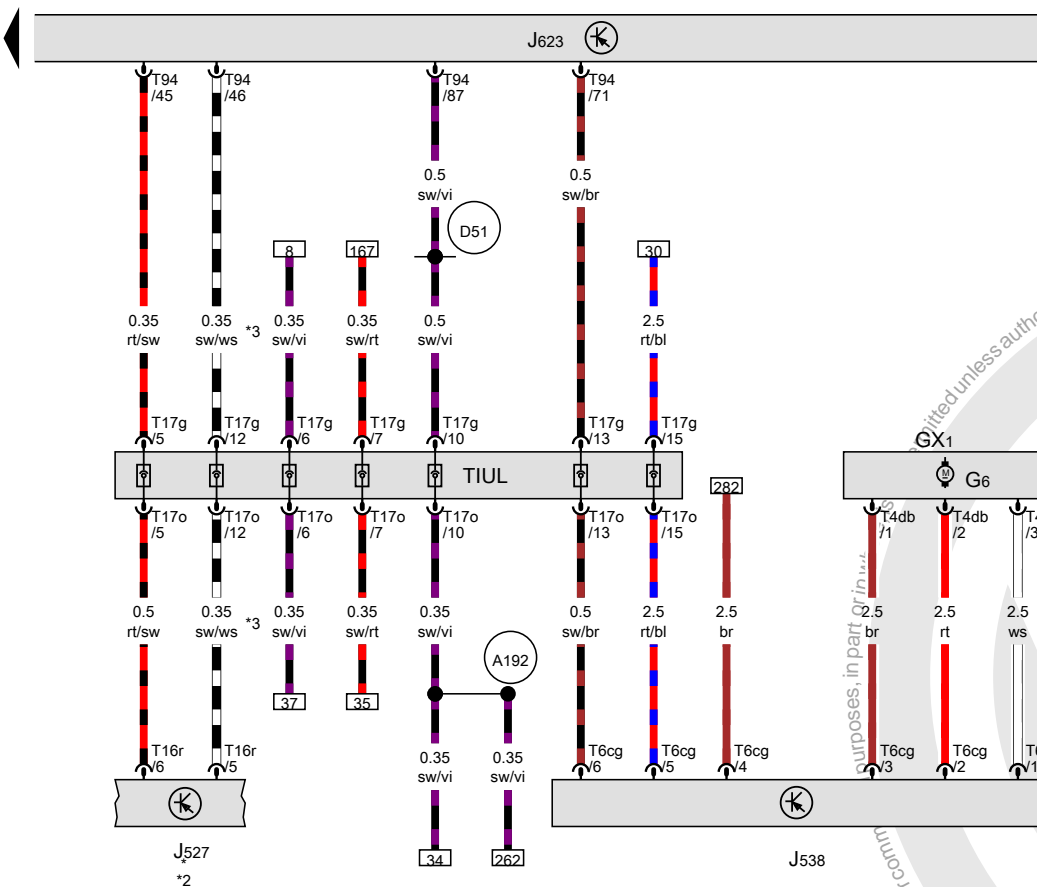
A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

* see applicable current flow diagram

*2 Only models with no heated steering wheel

*3 Only models with cruise control system (CCS)



- ws = white
- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

267 268 269 270 271 272 273 274 275 276 277 278 279 280

15G1-086211215

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T18 18-pin connector

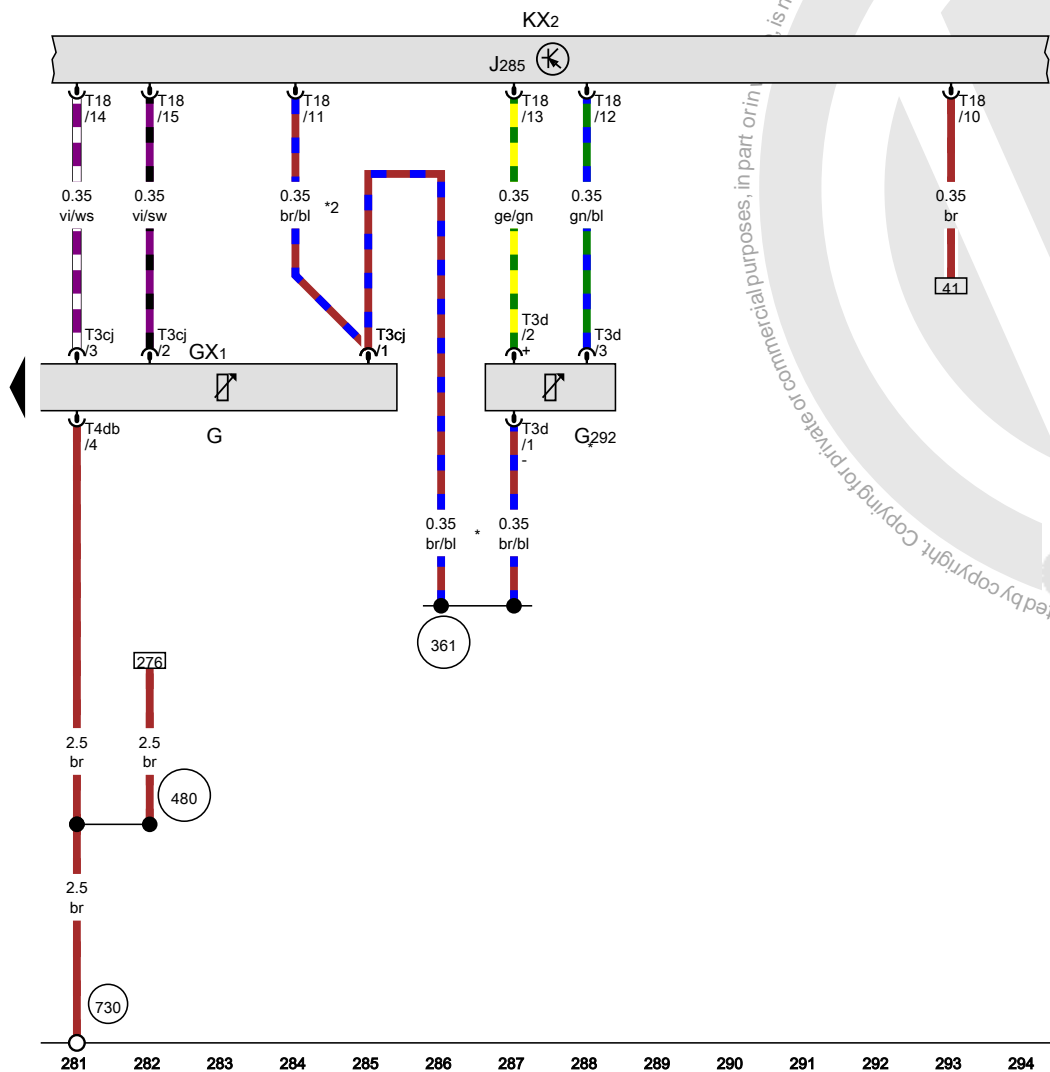
361 Earth connection (fuel gauge sender), in main wiring harness

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

* Only models with all-wheel drive

*2 Only models with no all-wheel drive

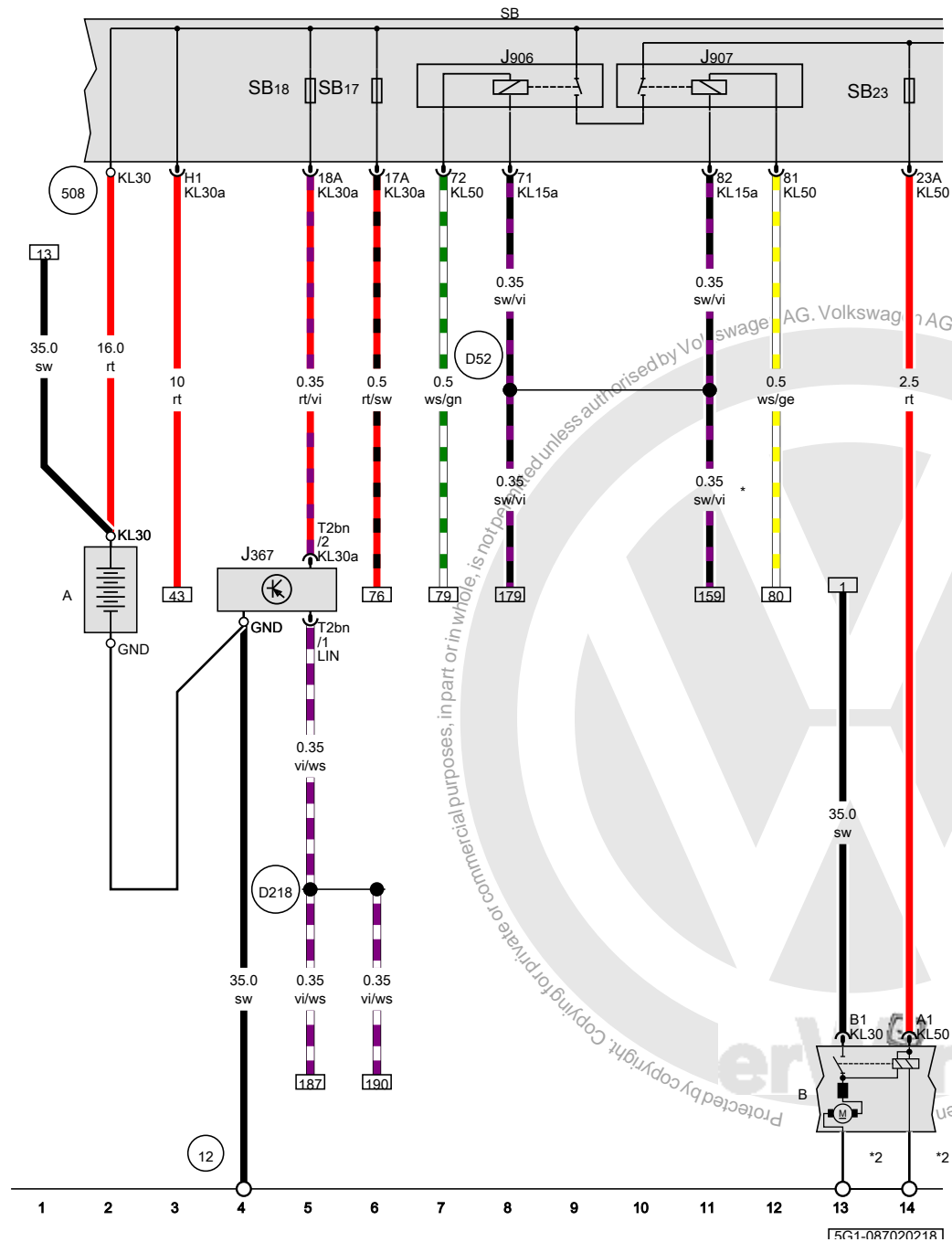


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.0l diesel engine , CRLB,CUNA,DCYA,DGCA

From May 2015

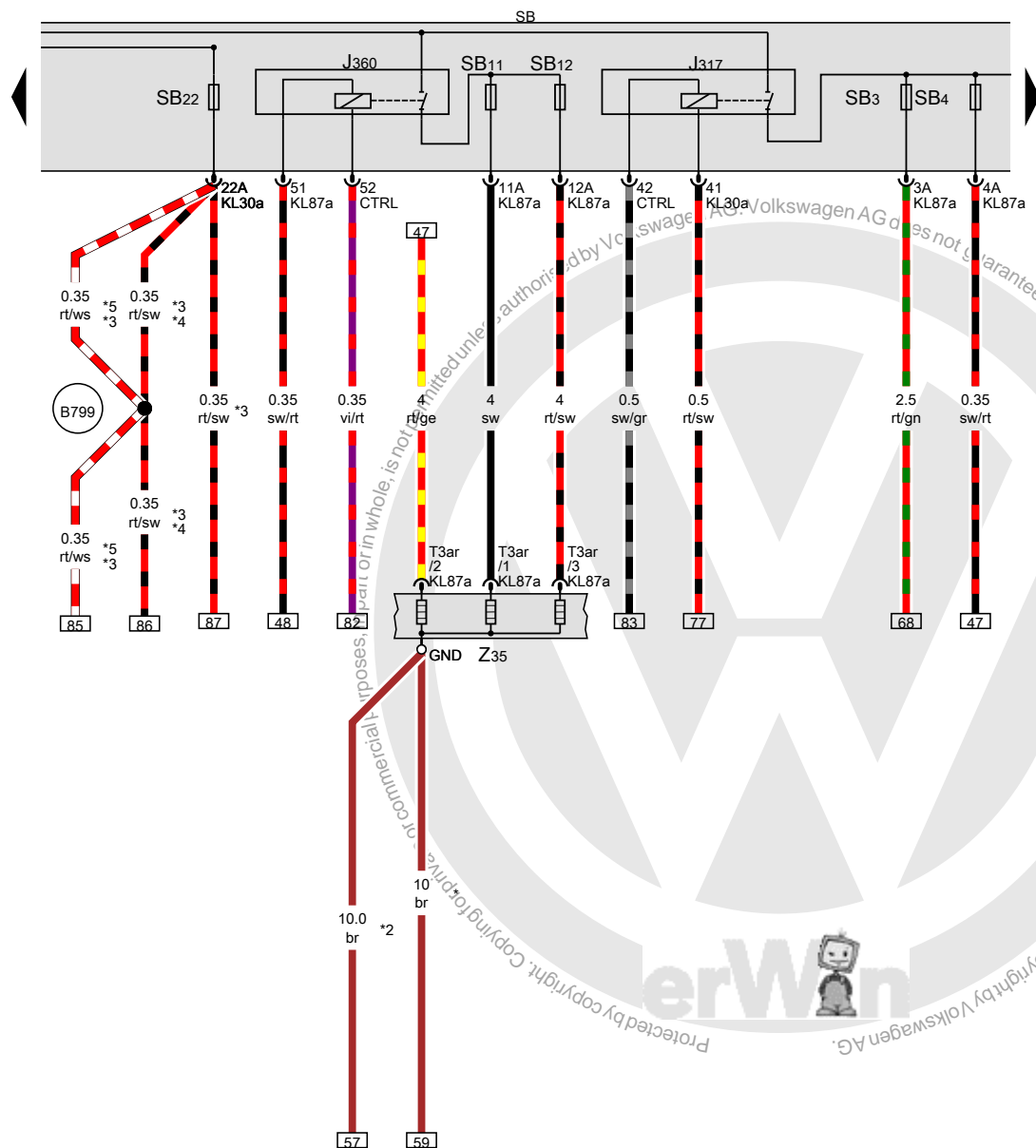




Battery, Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, black
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- D52 Positive connection (15a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- For models with manual gearbox
- Earth supply via housing

ws = white
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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



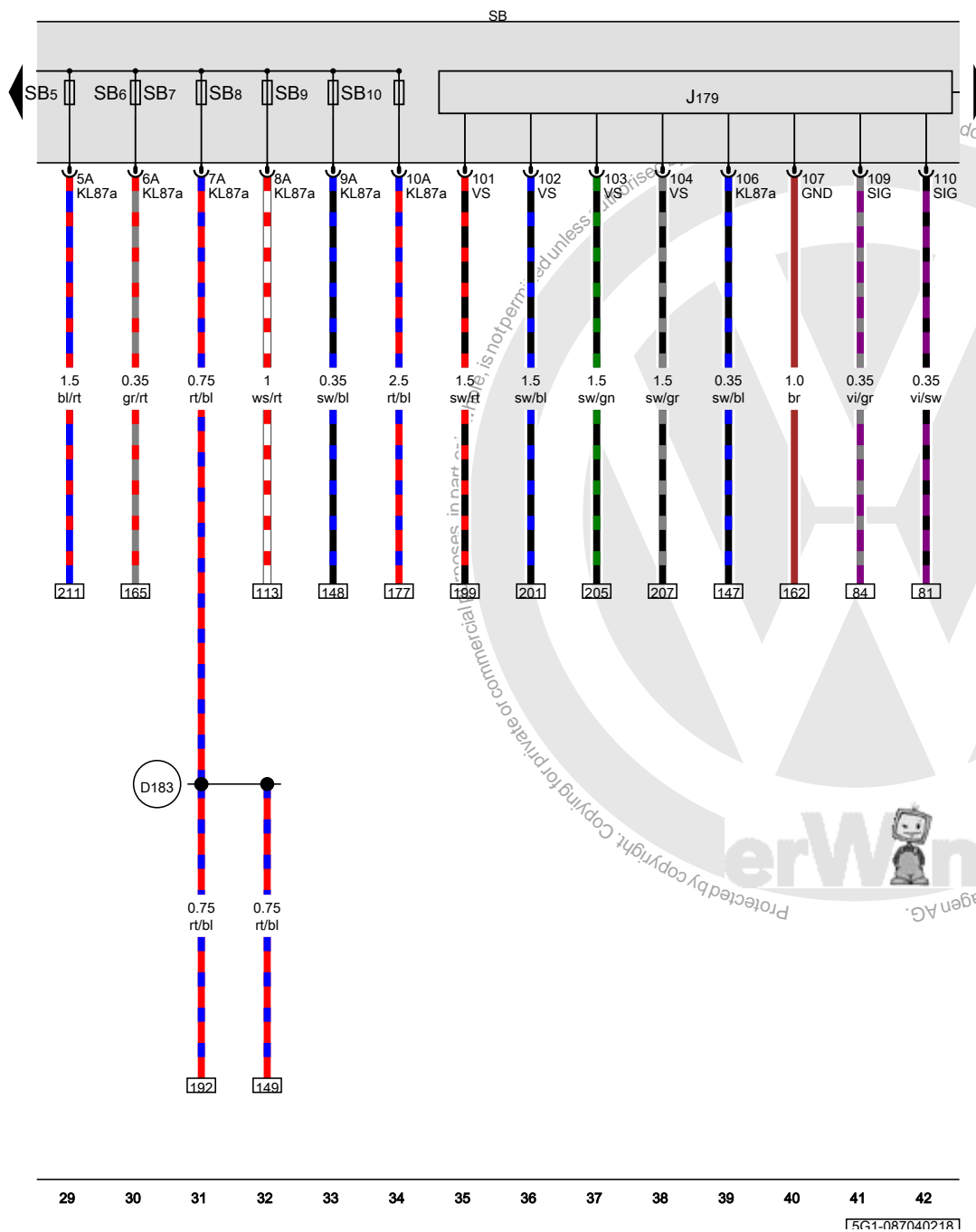
Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B, Auxiliary air heater element

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T3ar 3-pin connector, black
- Z35 Auxiliary air heater element

B799 Connection 4 (diagnosis), in main wiring harness

- * For left-hand drive models
- *2 For right-hand drive models
- *3 According to equipment
- *4 Up to November 2016
- *5 From November 2016

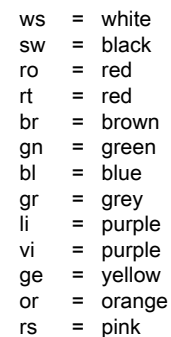
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- ge = yellow
- or = orange
- rs = pink



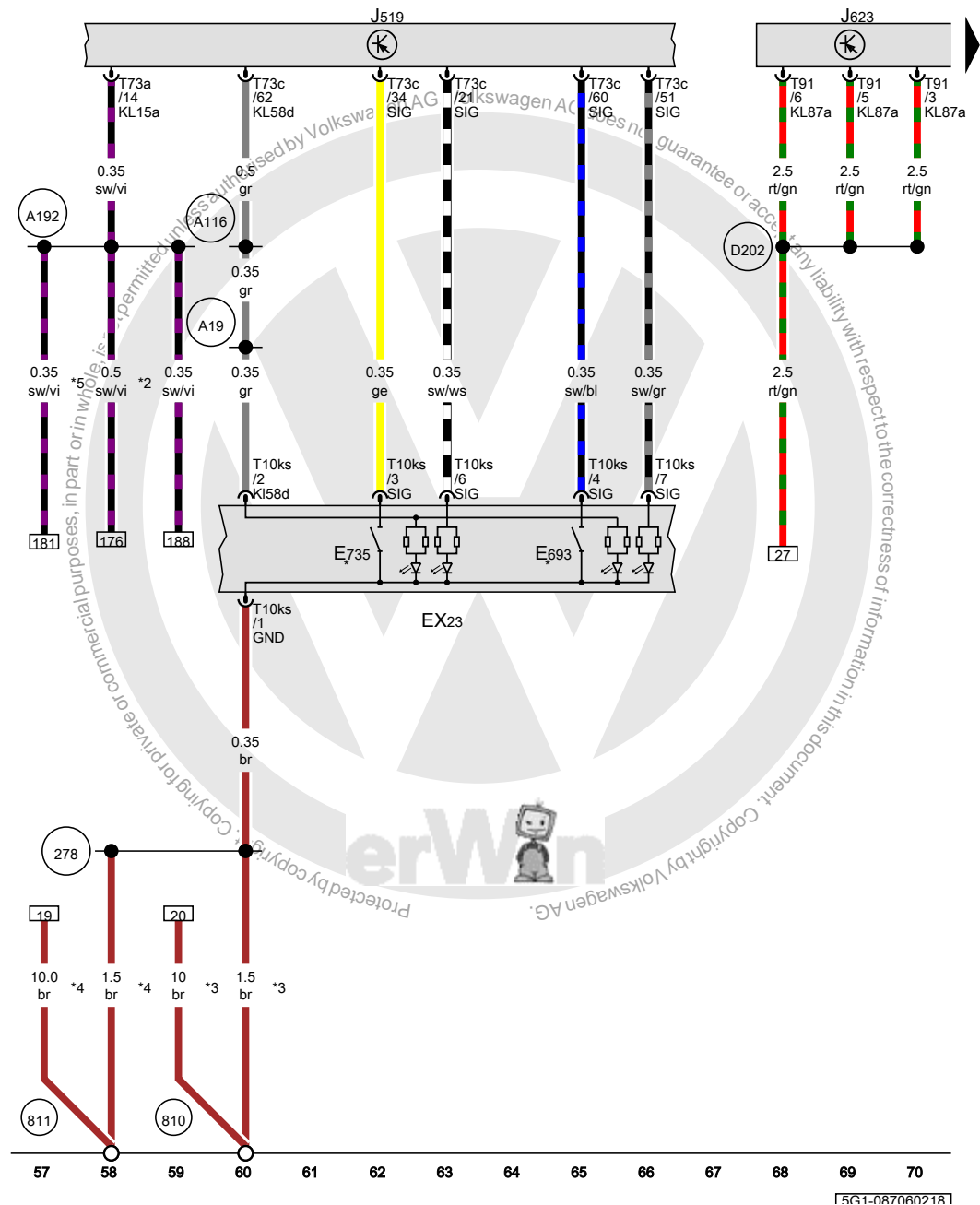
Automatic glow period control unit, Fuse holder B

- J179 Automatic glow period control unit
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- D183 Connection 4 (87a), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

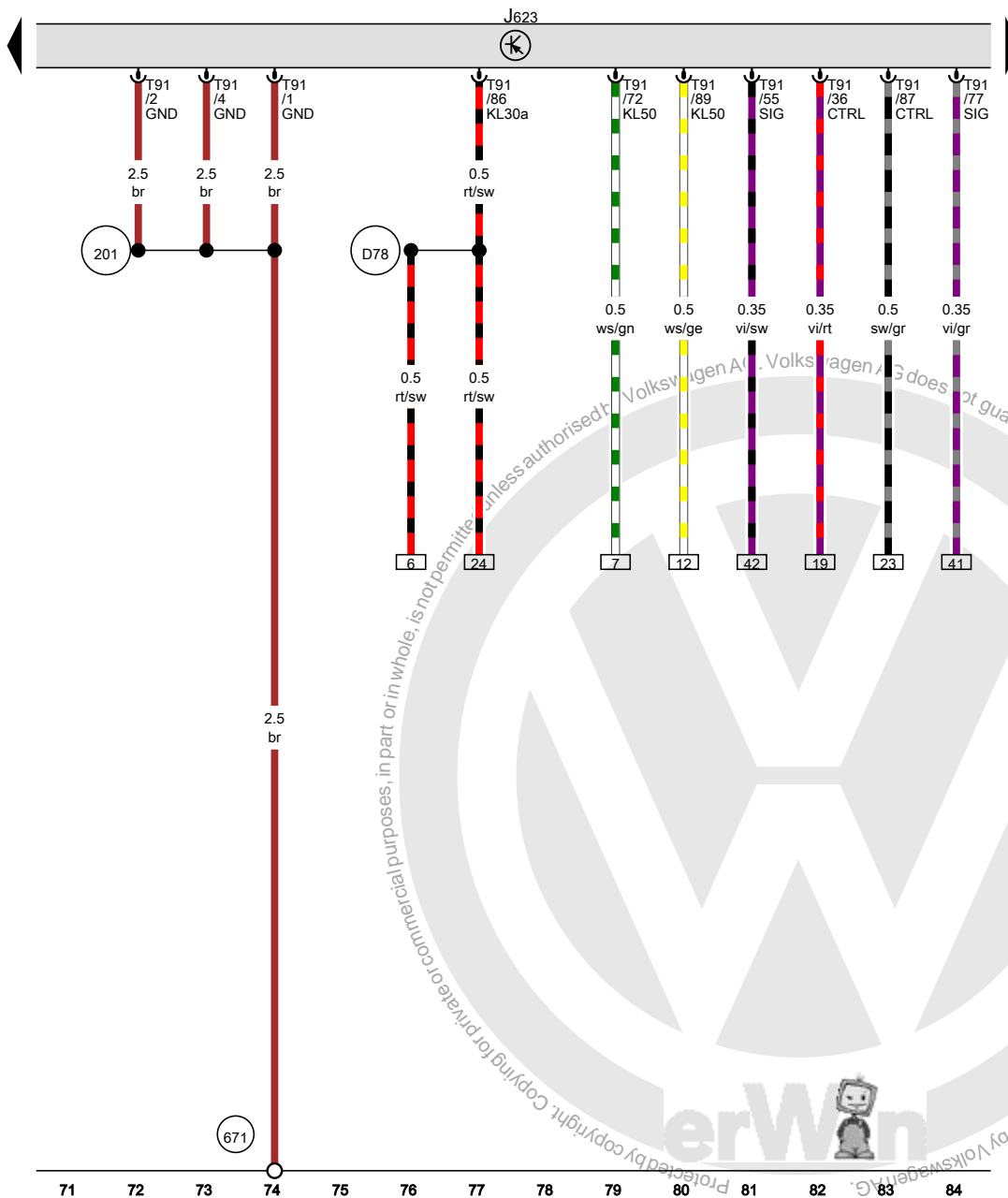


Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Onboard supply control unit, Engine/motor control unit



- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- T91 91-pin connector, black
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness
- * According to equipment
- *2 Up to November 2017
- *3 For left-hand drive models
- *4 For right-hand drive models
- *5 From November 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine/motor control unit

J623 Engine/motor control unit

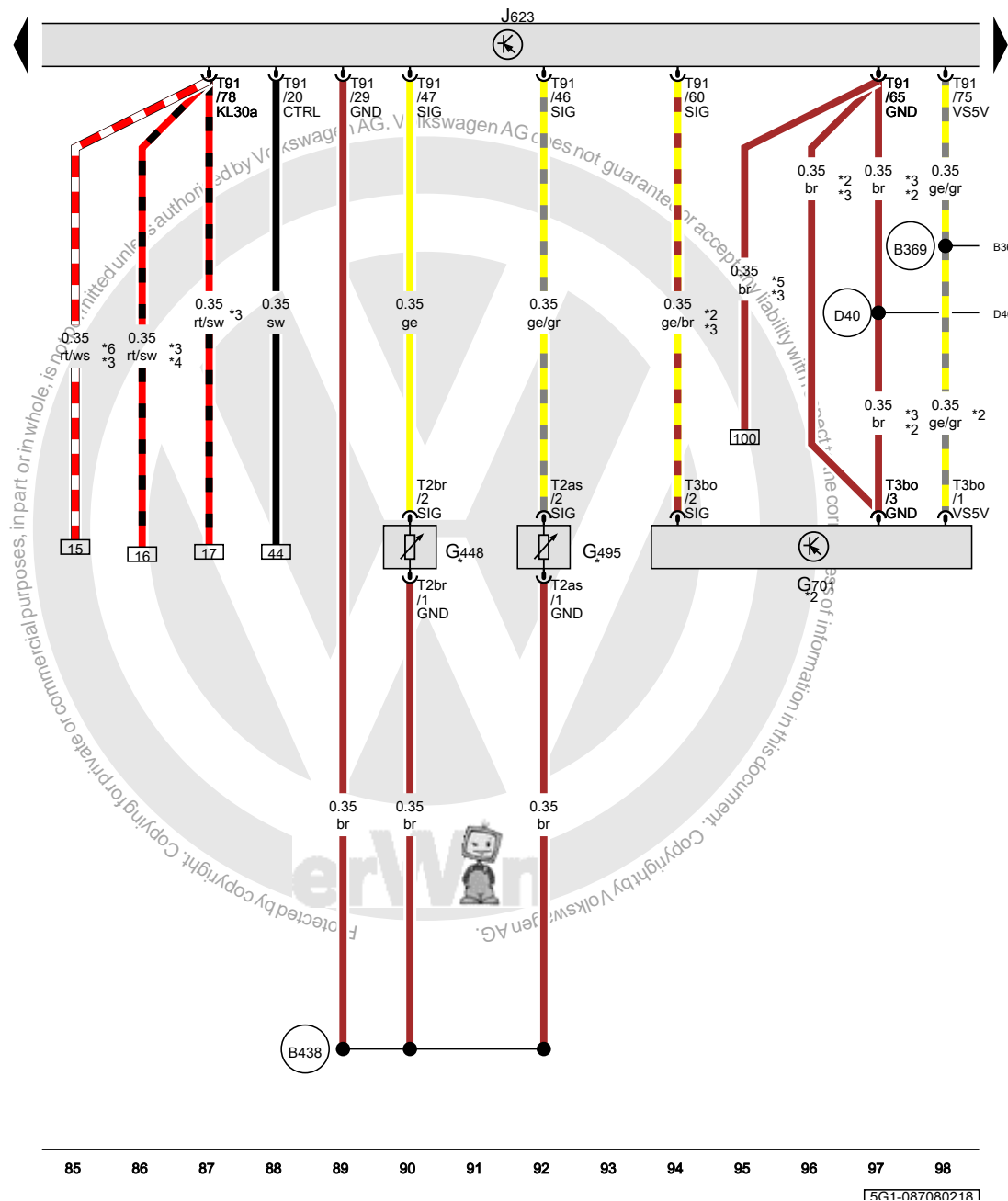
T91 91-pin connector, black

201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



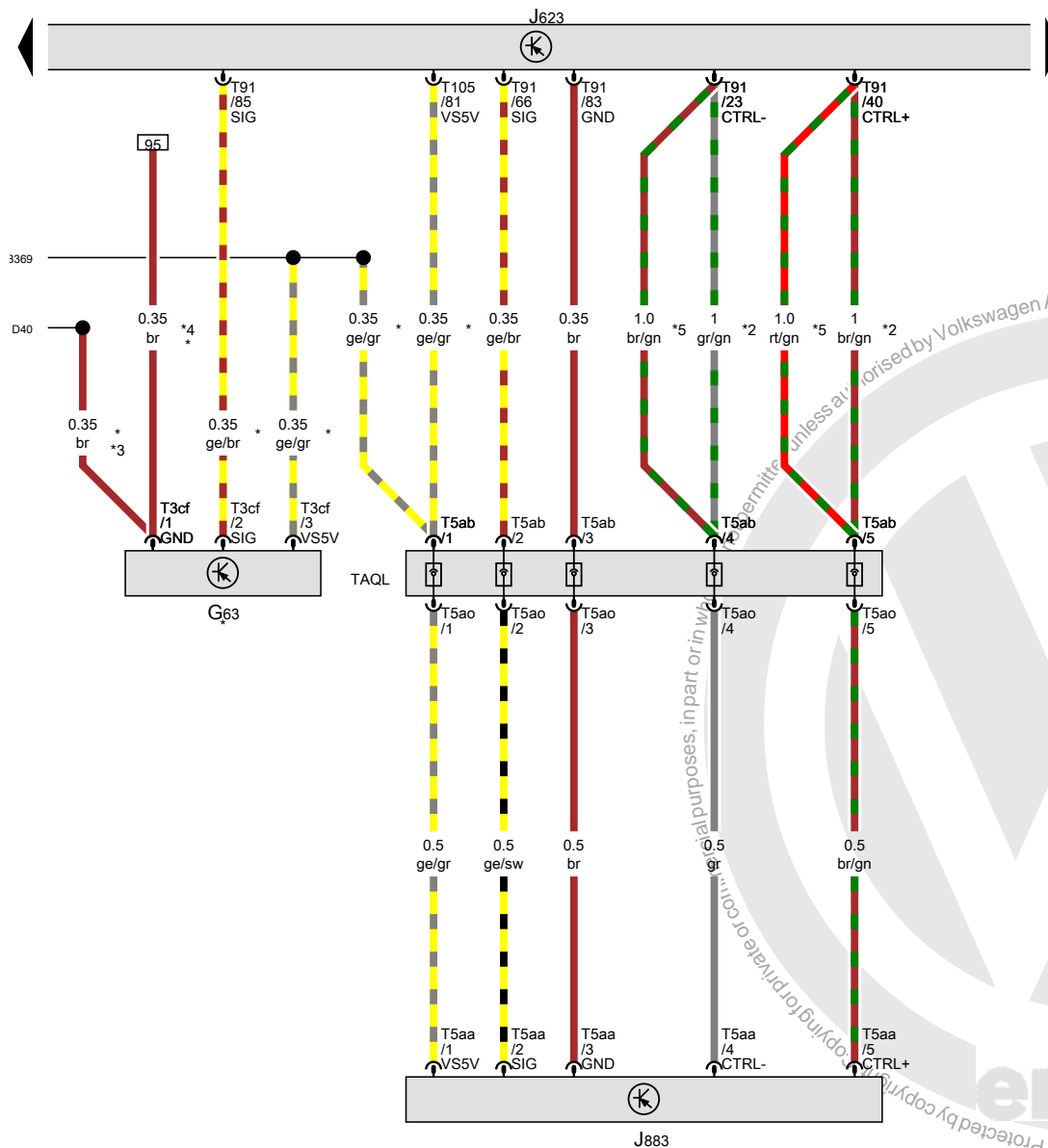
Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Gearbox neutral position sender, Engine/motor control unit

- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- T2as 2-pin connector, brown
- T2br 2-pin connector, black
- T3bo 3-pin connector, black
- T91 91-pin connector, black

- B369 Connection 1 (5V), in main wiring harness
- B438 Connection 2 (GND (earth)), in main wiring harness
- D40 Connection 2, in engine prewiring harness

- * Pre-wired component
- *2 For models with manual gearbox
- *3 According to equipment
- *4 Up to November 2016
- *5 For models with dual clutch gearbox (DSG)
- *6 From November 2016

Engine/motor control unit, Exhaust flap control unit



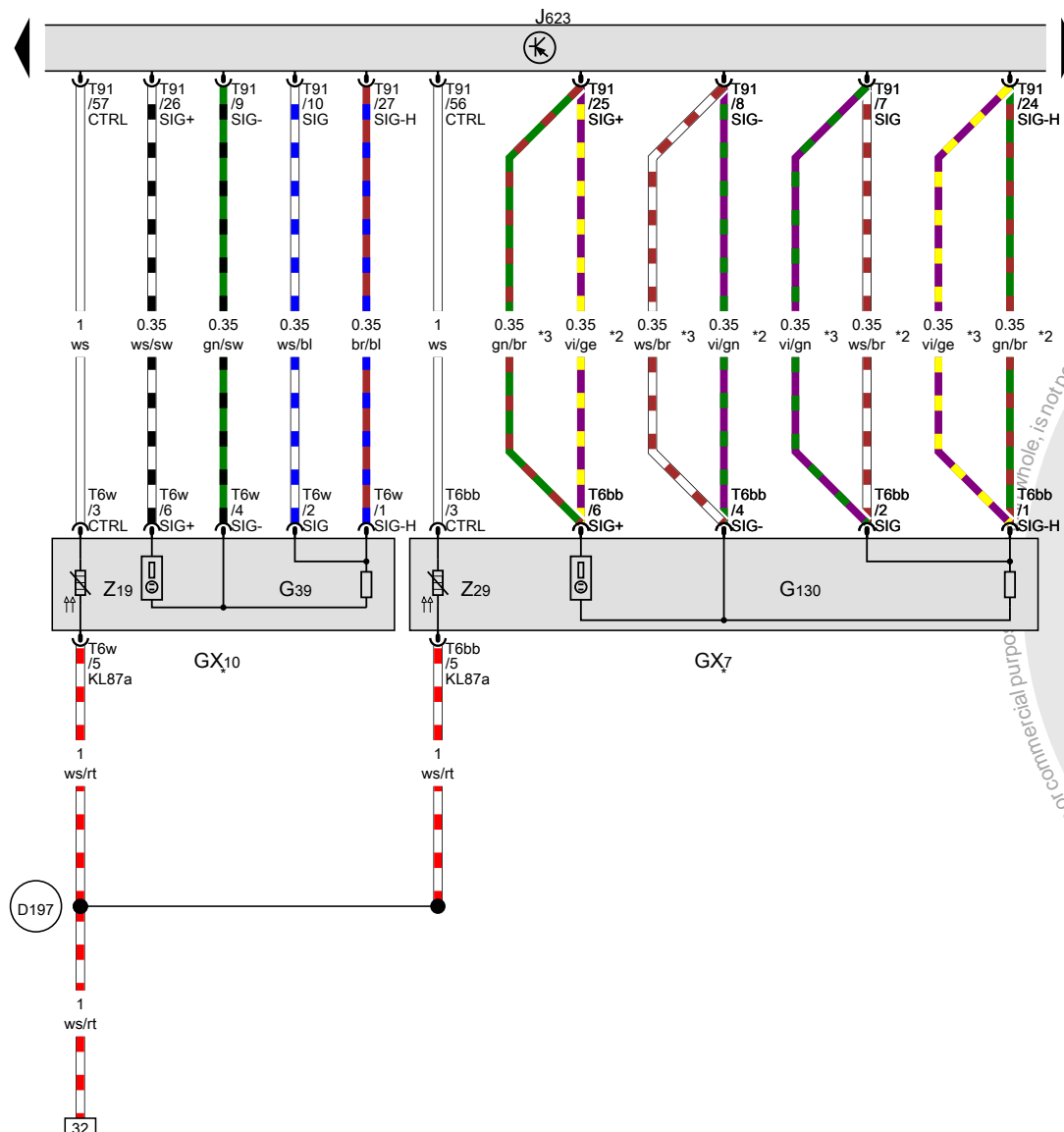
- G63 Water separator sender
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T3cf 3-pin connector, black
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T91 91-pin connector, black
- T105 105-pin connector, black
- TAQL Coupling point on rear cross member, left
- B369 Connection 1 (5V), in main wiring harness
- D40 Connection 2, in engine prewiring harness
- * According to equipment
- *2 Up to November 2017
- *3 For models with manual gearbox
- *4 For models with dual clutch gearbox (DSG)
- *5 From November 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

15G1-0870902181

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit



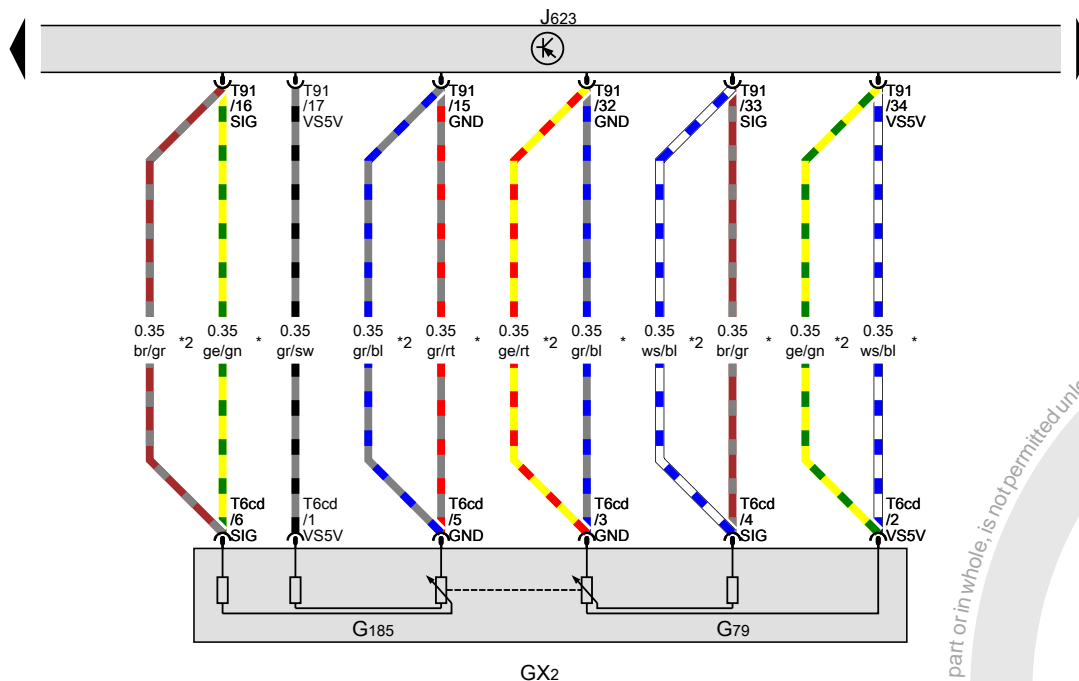
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T6bb 6-pin connector, black
- T6w 6-pin connector, black
- T91 91-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 For left-hand drive models
- *3 For right-hand drive models

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

15G1-087100218

Accelerator pedal module, Engine/motor control unit



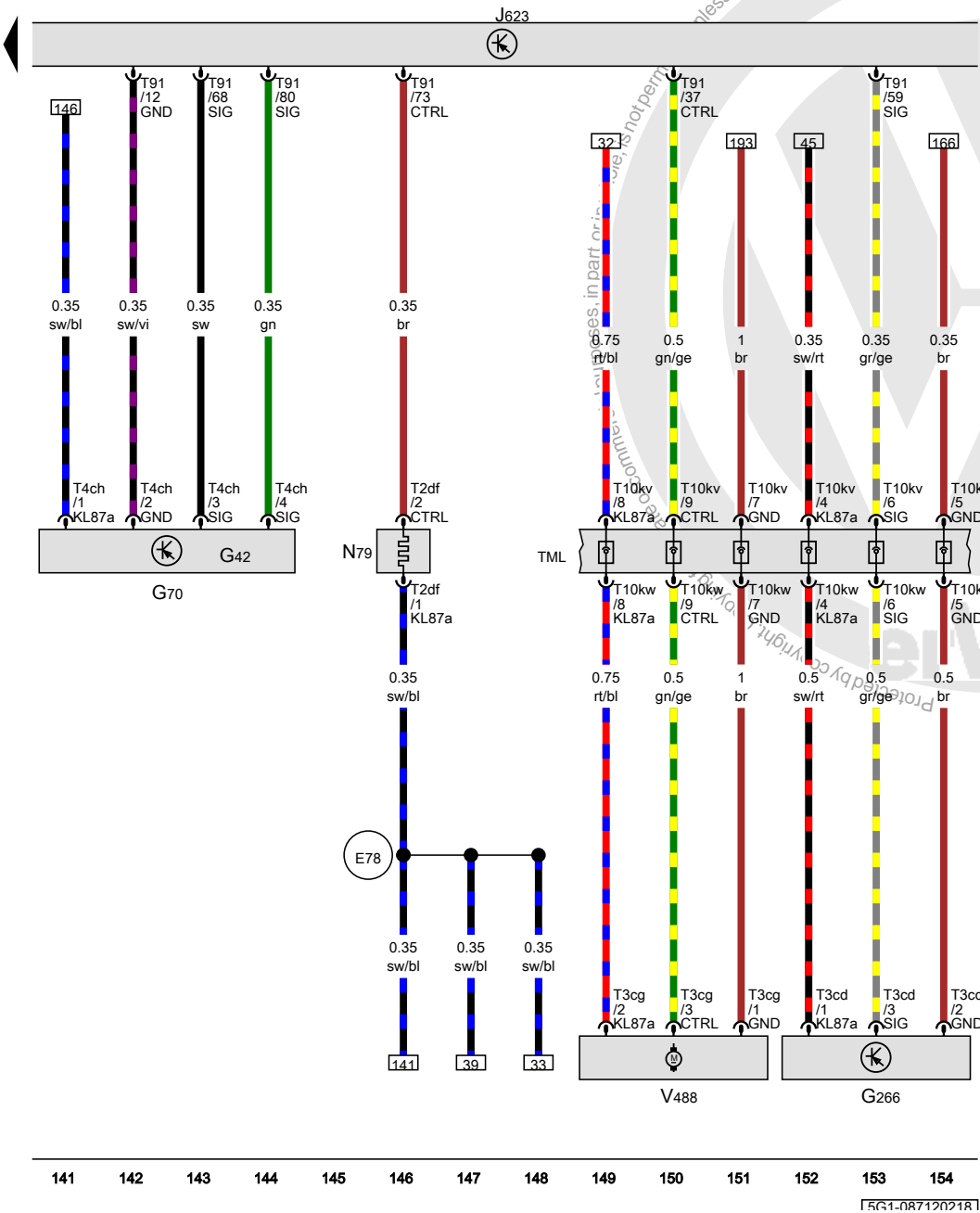
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- T6cd 6-pin connector, black
- T91 91-pin connector, black
- * Up to November 2015
- *2 From November 2015

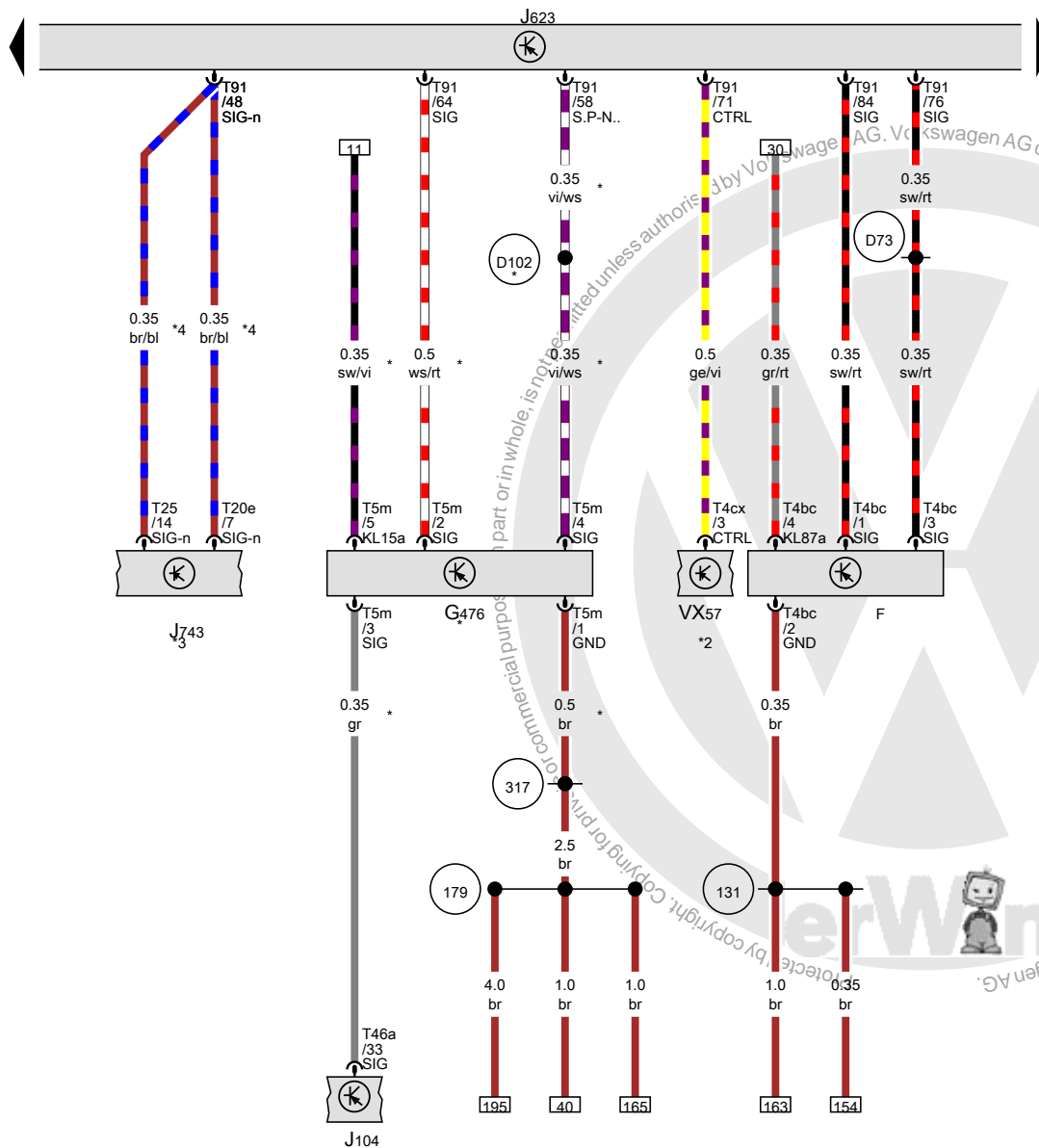
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- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Air mass meter, Oil level and oil temperature sender, Engine/motor control unit, Heater element for crankcase breather, Auxiliary pump for heating

- G42 Intake air temperature sender
- G70 Air mass meter
- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- T2df 2-pin connector, black
- T3cd 3-pin connector, black
- T3cg 3-pin connector, black
- T4ch 4-pin connector, black
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- E78 Connection 2 (87a) in engine wiring harness

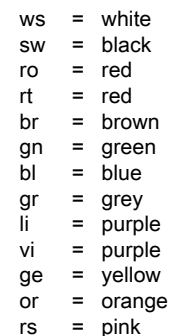




Brake light switch, Clutch position sender, ABS control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Radiator fan

- F Brake light switch
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4bc 4-pin connector, black
- T4cx 4-pin connector, black
- T5m 5-pin connector, black
- T20e 20-pin connector, black
- T25 25-pin connector, black
- T46a 46-pin connector, brown
- T91 91-pin connector, black
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- For models with manual gearbox
- *2 Pre-wired component
- *3 see applicable current flow diagram for dual clutch gearbox
- *4 According to equipment

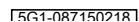
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 ge = yellow
 or = orange
 rs = pink



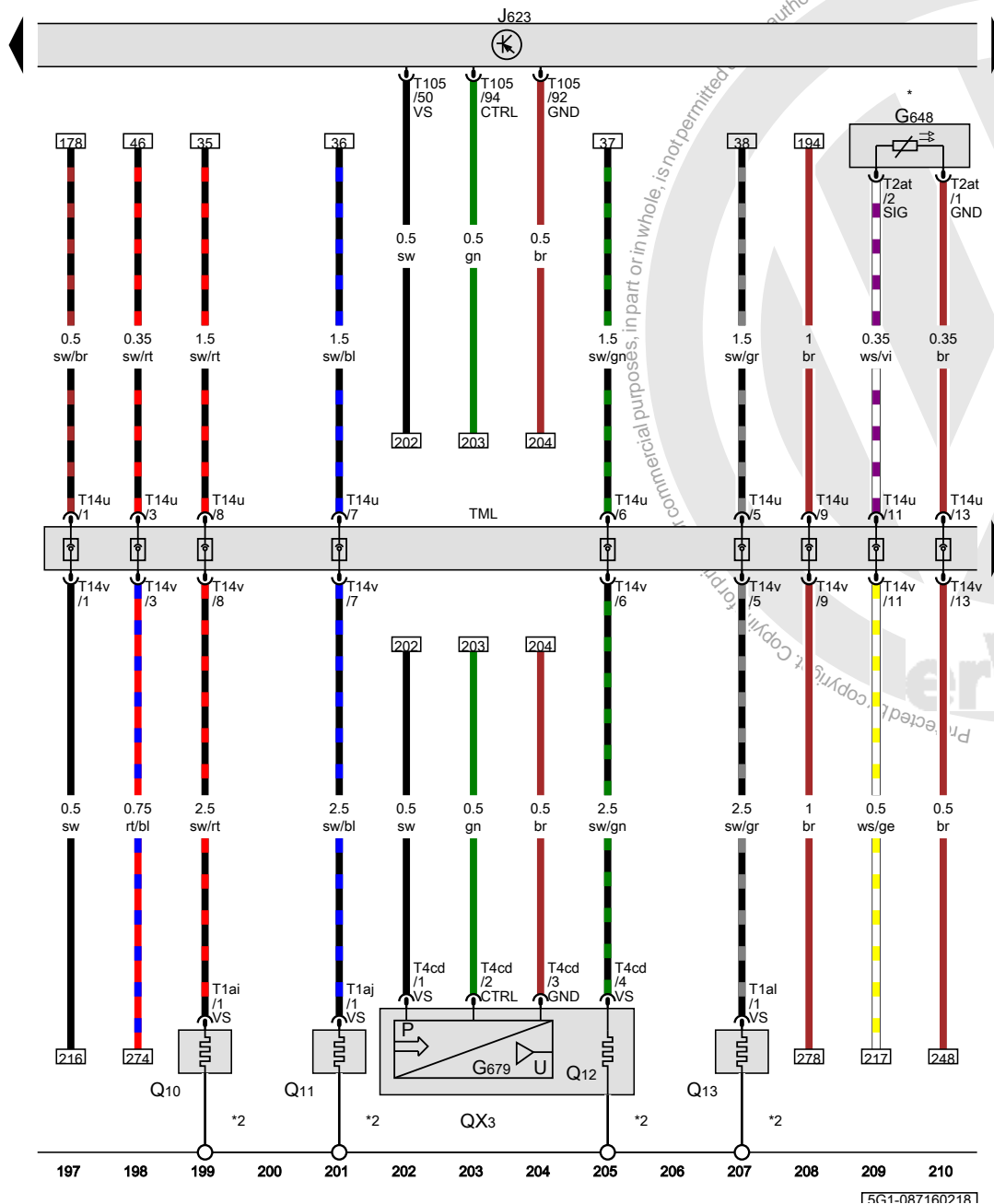
J527	Steering column electronics control unit
J623	Engine/motor control unit
J764	Control unit for electronic steering column lock
SC	Fuse holder C
SC49	Fuse 49 on fuse holder C
T14a	14-pin connector, black
T16r	16-pin connector, black
T16s	16-pin connector, black
T17d	17-pin connector, black
T17g	17-pin connector, blue
T17l	17-pin connector, black
T17o	17-pin connector, blue
T91	91-pin connector, black
TIUL	Coupling point in interior, below left

(D51) Positive connection 1 (15), in engine compartment wiring harness

- * see applicable current flow diagram
- *2 For models with entry and start authorisation
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 For models with no heated steering wheel
- *6 For models with no entry and start authorisation
- *7 For models with heated steering wheel
- *8 From November 2017



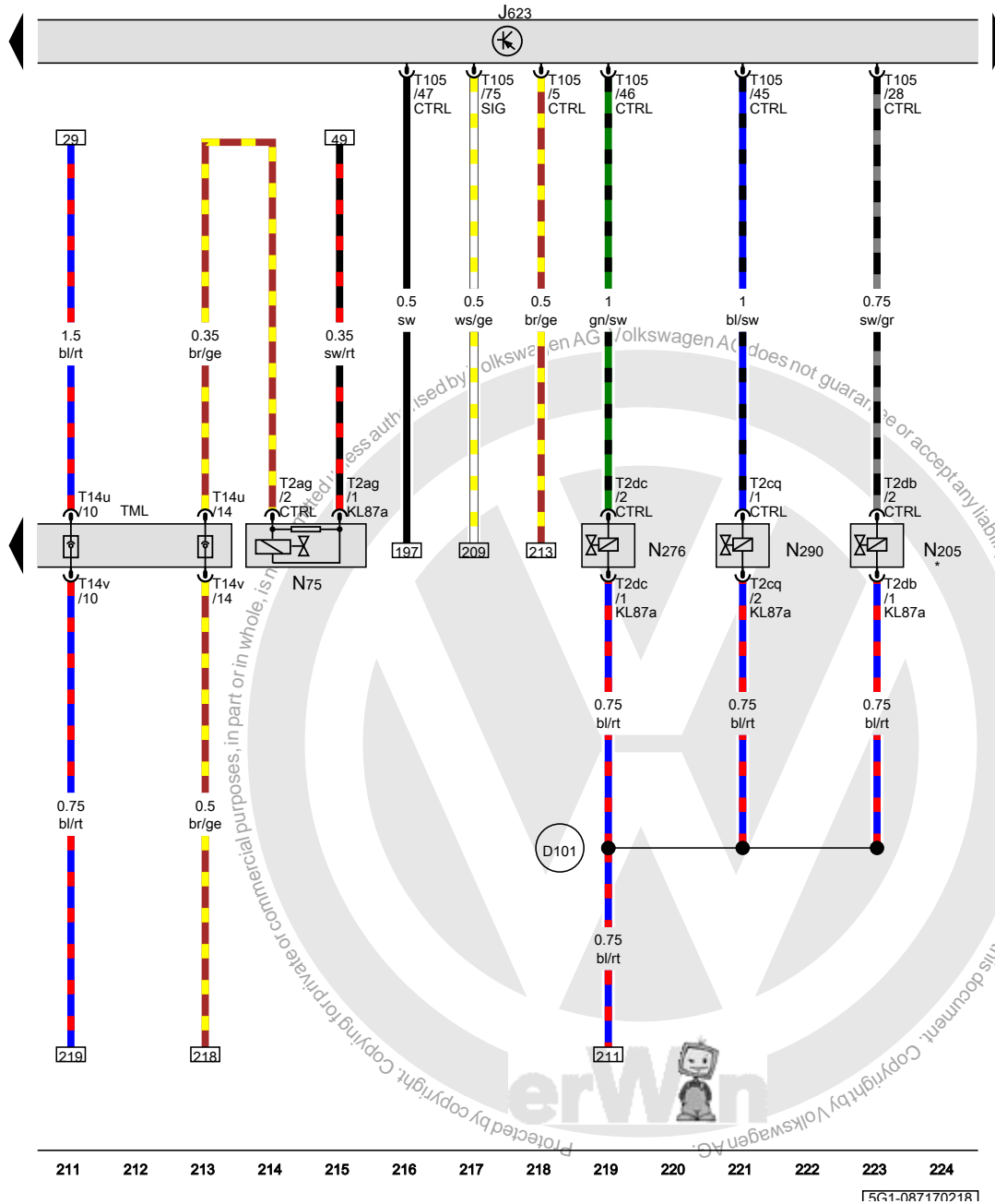
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Exhaust gas temperature sender 4, Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

- G648 Exhaust gas temperature sender 4
- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T2at 2-pin connector, colourless
- T4cd 4-pin connector, black
- T14u 14-pin connector, grey
- T14v 14-pin connector, grey
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- * Pre-wired component
- *2 Earth supply via housing

Engine/motor control unit, Camshaft control valve 1, Fuel pressure regulating valve, Fuel metering valve



- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2ag 2-pin connector
- T2cq 2-pin connector, black
- T2db 2-pin connector, yellow
- T2dc 2-pin connector, black
- T14u 14-pin connector, grey
- T14v 14-pin connector, grey
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left

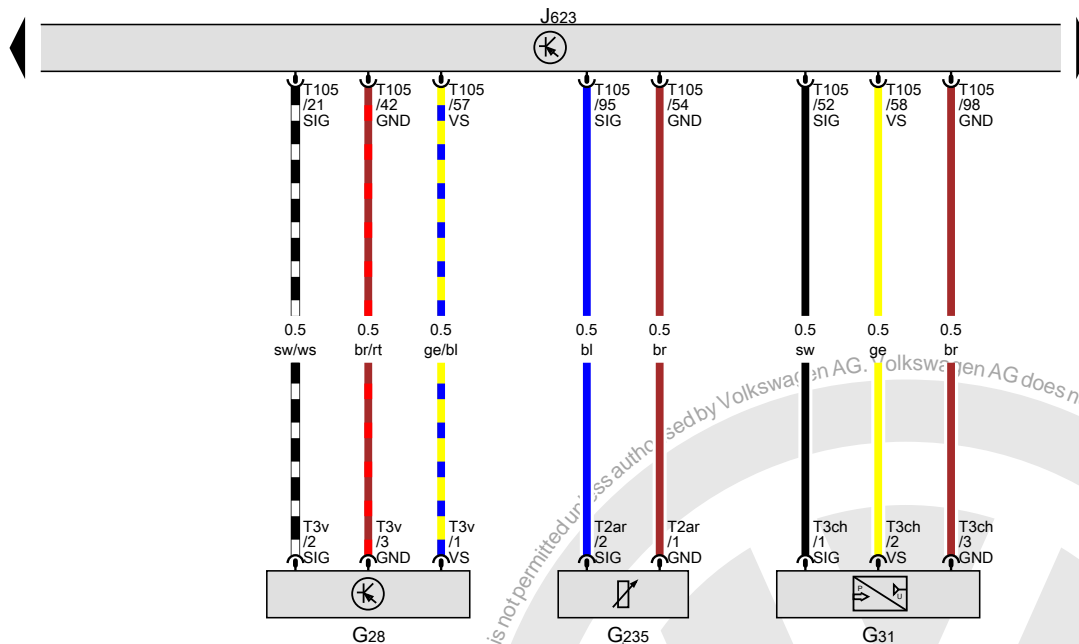
D101 Connection 1 in engine compartment wiring harness

* According to equipment

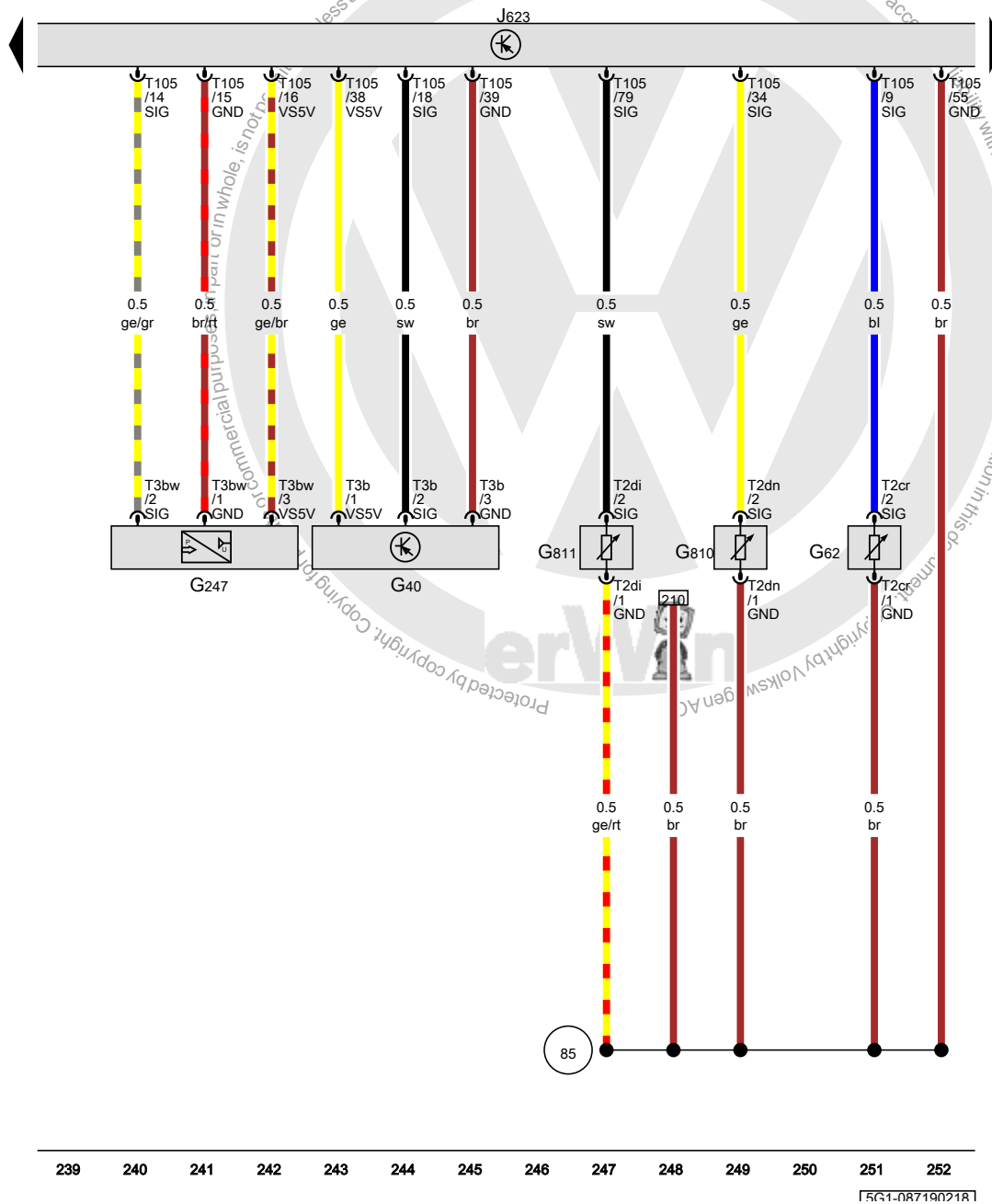
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine speed sender, Charge pressure sender, Exhaust gas temperature sender 1, Engine/motor control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G235 Exhaust gas temperature sender 1
- J623 Engine/motor control unit
- T2ar 2-pin connector, black
- T3ch 3-pin connector, black
- T3v 3-pin connector, black
- T105 105-pin connector, black
- * Pre-wired component



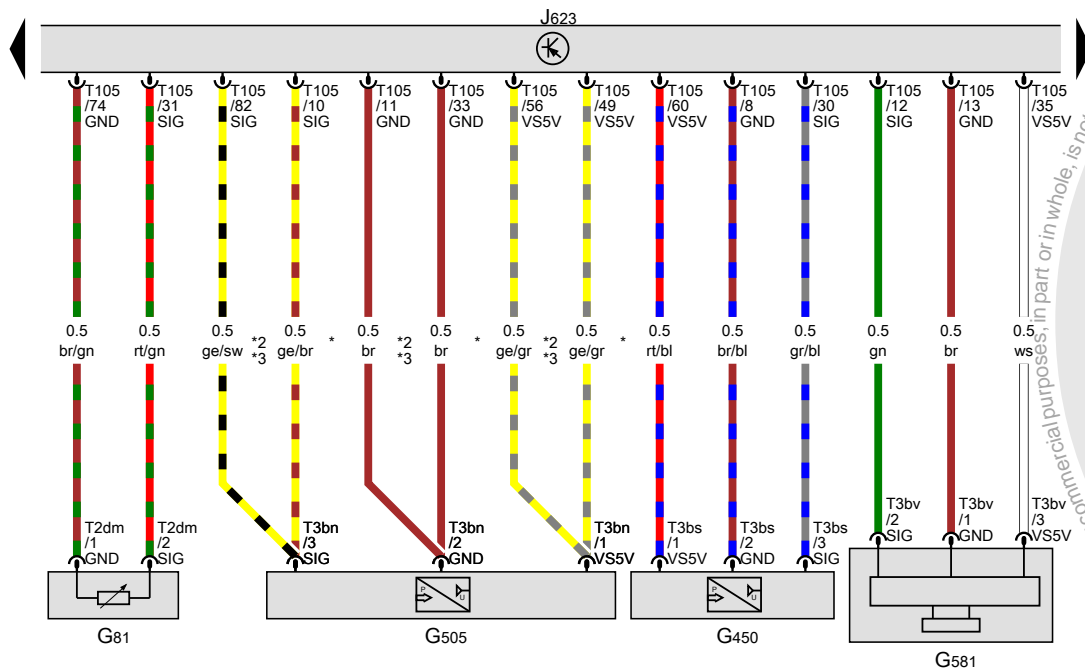
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Hall sender, Coolant temperature sender, Fuel pressure sender, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit

- G40 Hall sender
- G62 Coolant temperature sender
- G247 Fuel pressure sender
- G810 Charge air temperature sender before charge air cooler
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- T2cr 2-pin connector, black
- T2di 2-pin connector, black
- T2dn 2-pin connector, black
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T105 105-pin connector, black

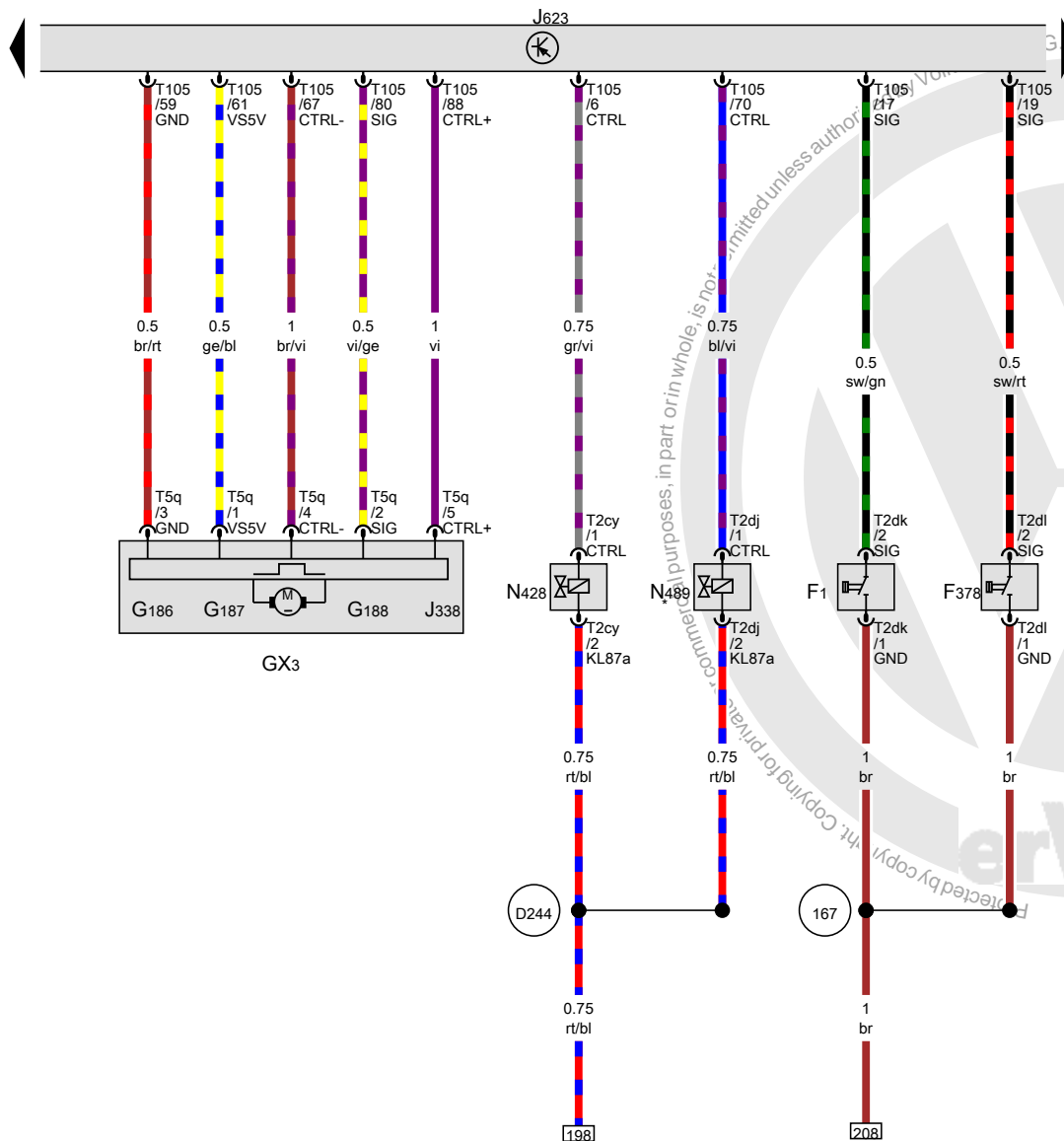
85 Earth connection 1, in engine compartment wiring harness



Fuel temperature sender, Exhaust gas pressure sensor 1, Pressure differential sender, Position sender for charge pressure positioner, Engine/motor control unit

- G81 Fuel temperature sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T2dm 2-pin connector, yellow
- T3bn 3-pin connector, black
- T3bs 3-pin connector, black
- T3bv 3-pin connector, black
- T105 105-pin connector, black
- * According to equipment
- *2 For models with manual gearbox
- *3 From March 2016

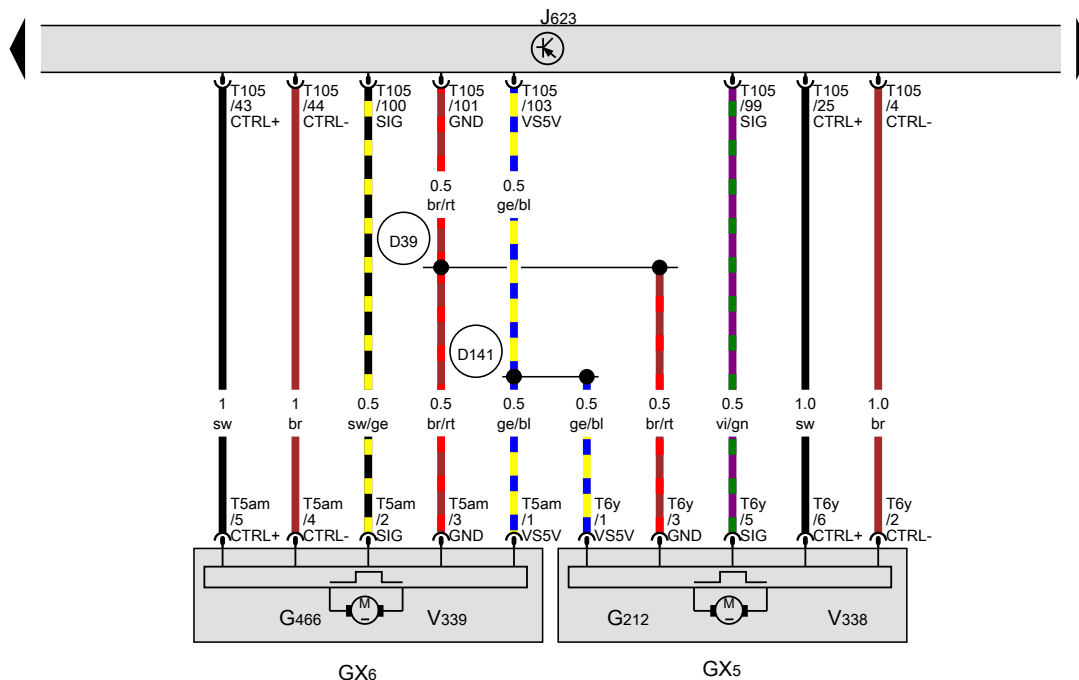
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- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Throttle valve module, Engine/motor control unit, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cy 2-pin connector, black
- T2dj 2-pin connector, brown
- T2dk 2-pin connector, black
- T2dl 2-pin connector, black
- T5q 5-pin connector, brown
- T105 105-pin connector, black
- 167 Earth connection 4, in engine compartment wiring harness
- D244 Connection 5 (87a) in engine prewiring harness
- * Pre-wired component

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



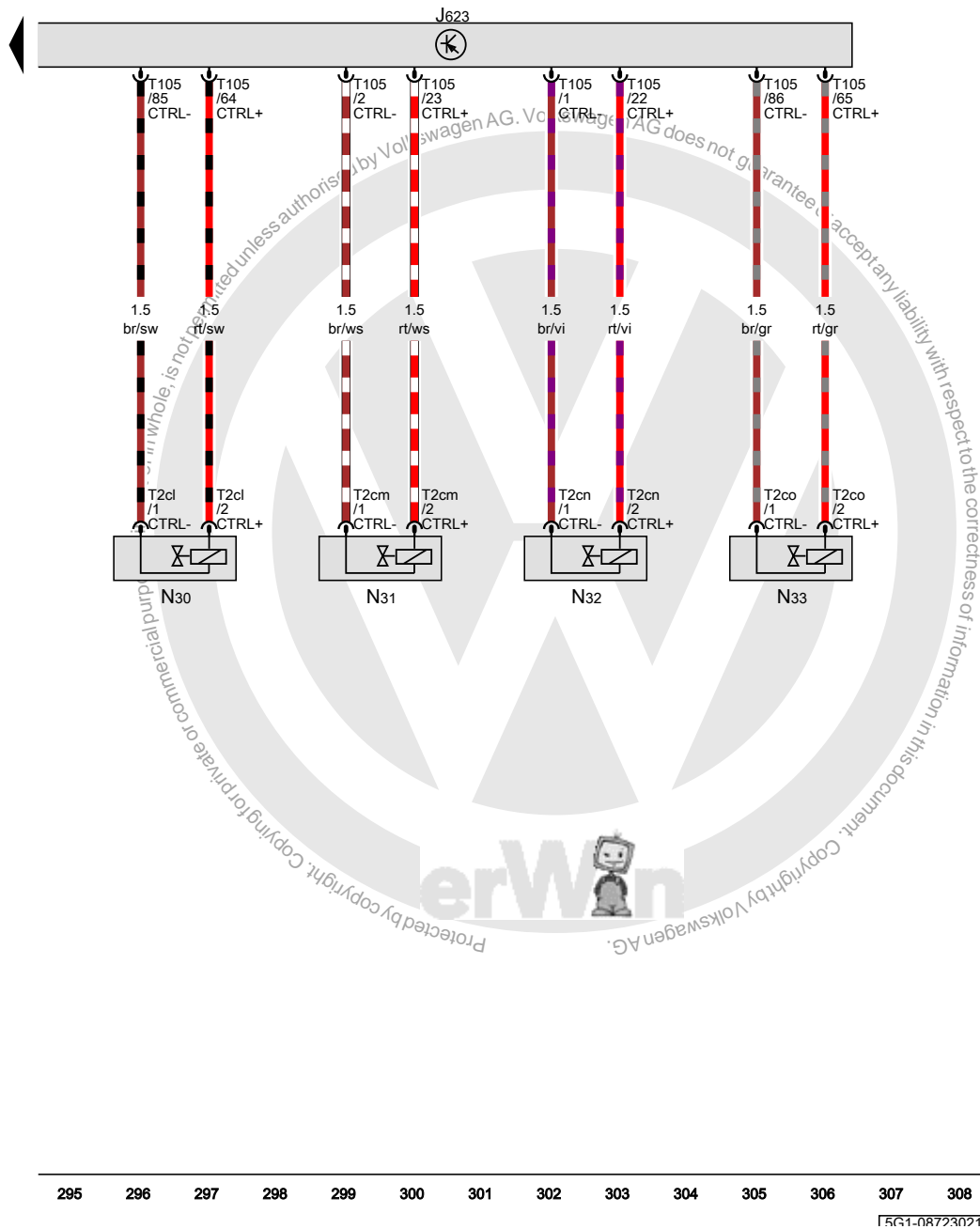
Exhaust gas recirculation valve 2, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T5am 5-pin connector, black
- T6y 6-pin connector, grey
- T105 105-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2
- D39 Connection 1, in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T105 105-pin connector, black



- ws = white
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- gr = grey
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- vi = purple
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- rs = pink

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T3d 3-pin connector, black
- T4db 4-pin connector, black
- T6cg 6-pin connector, black
- T18 18-pin connector, black, black

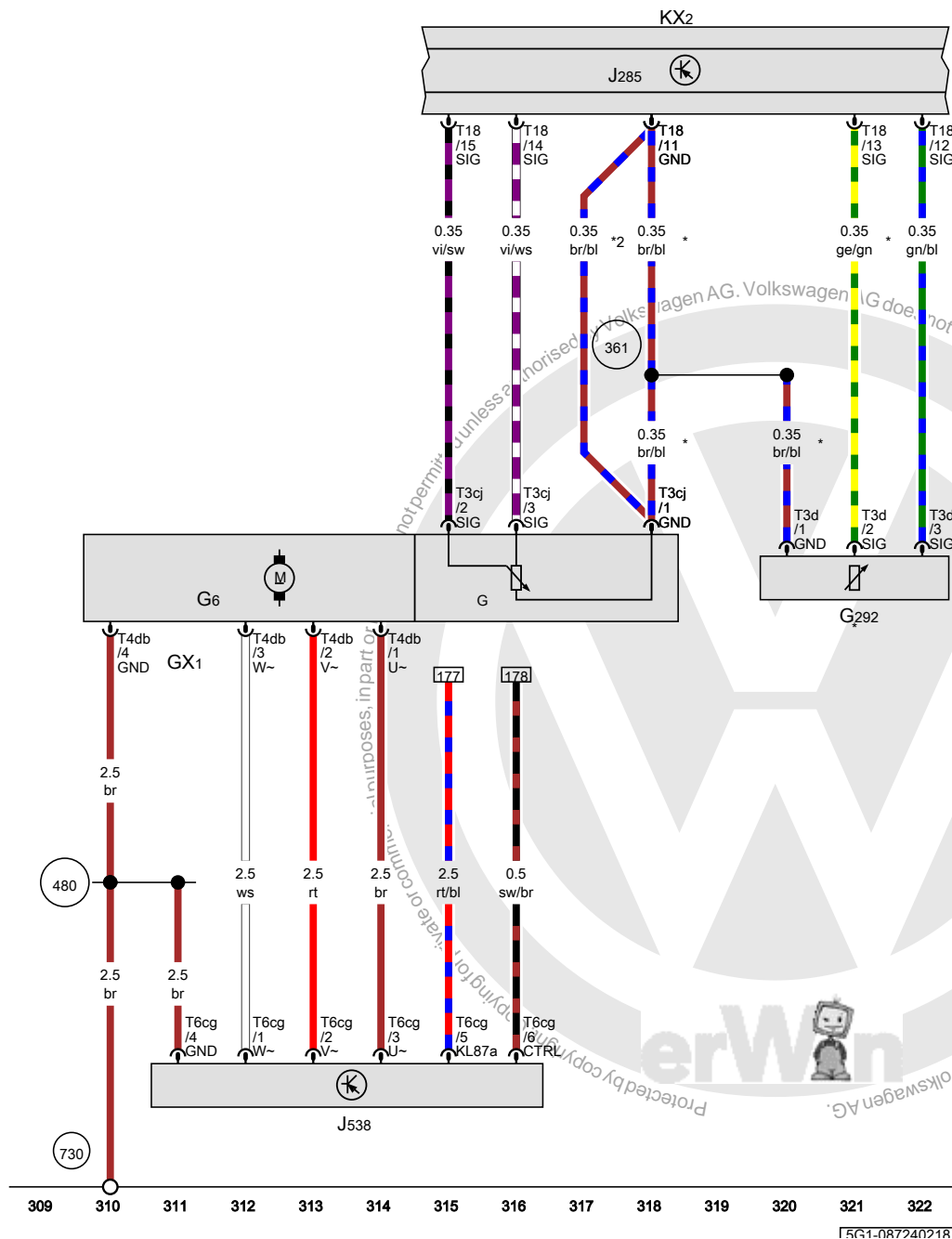
(361) Earth connection (fuel gauge sender), in main wiring harness

(480) Earth connection, in fuel tank wiring harness

(730) Earth point 1, on right rear wheel housing

* For models with all-wheel drive

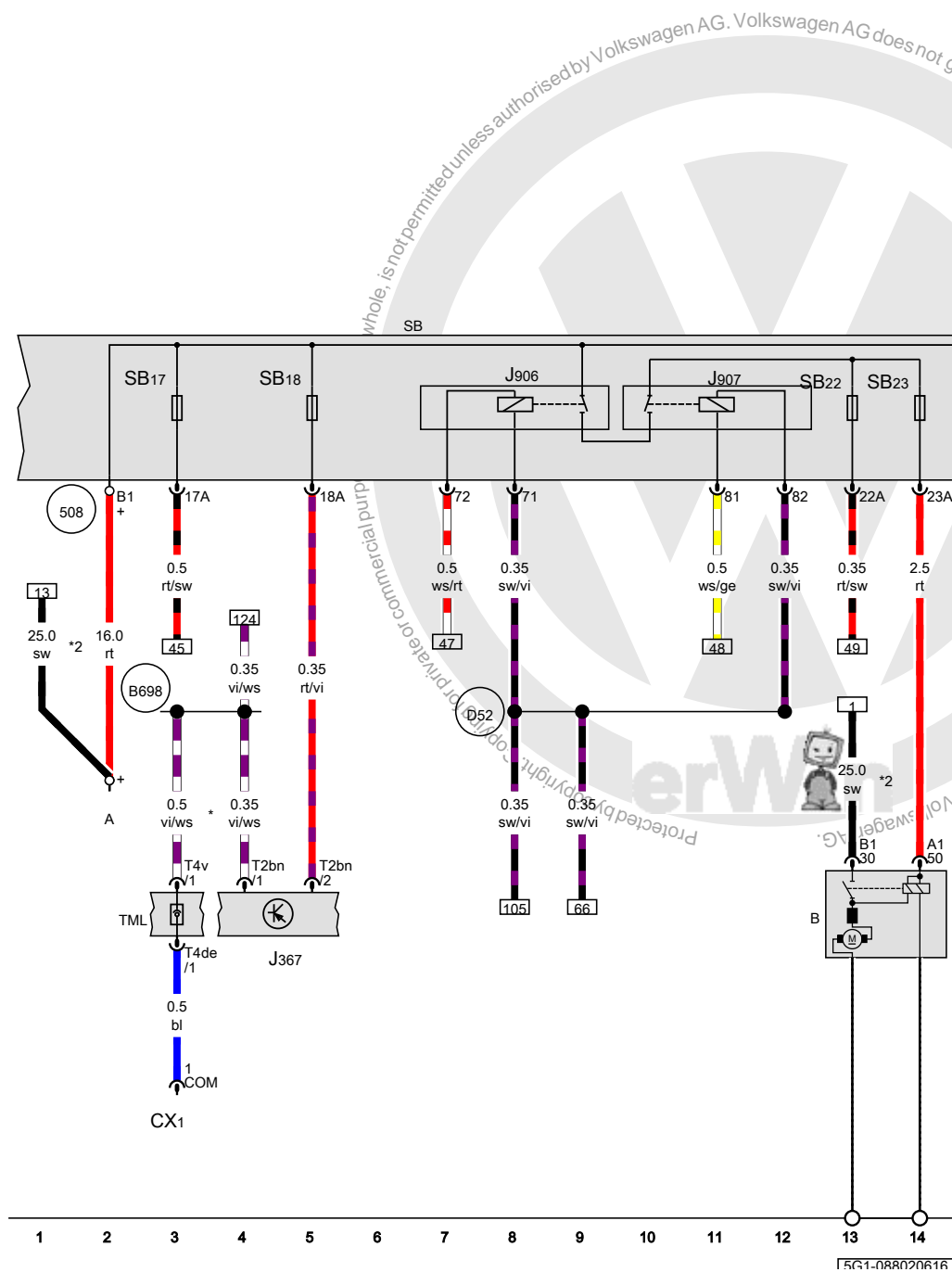
*2 For models with no all-wheel drive



1.4l petrol engine , CHPA,CZCA,CZDA

From May 2015





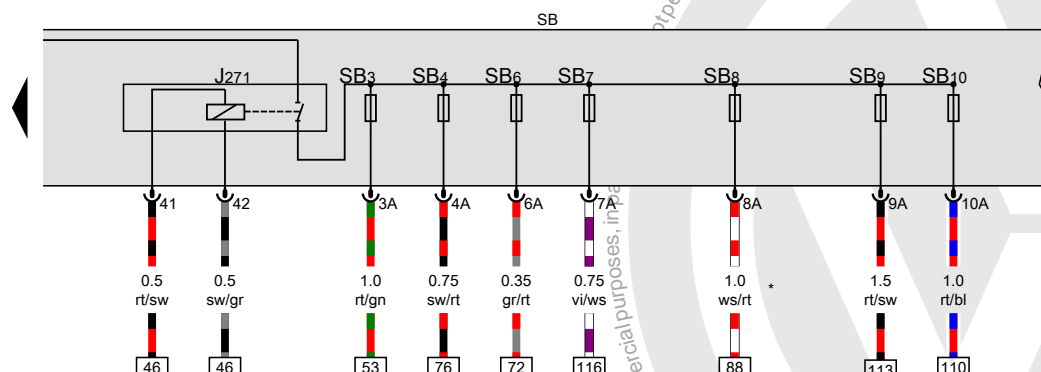
Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4de 4-pin connector, black
- T4v 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross section depends on equipment
- *2 Cross-section 35.0 possible

Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment



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- vi = purple
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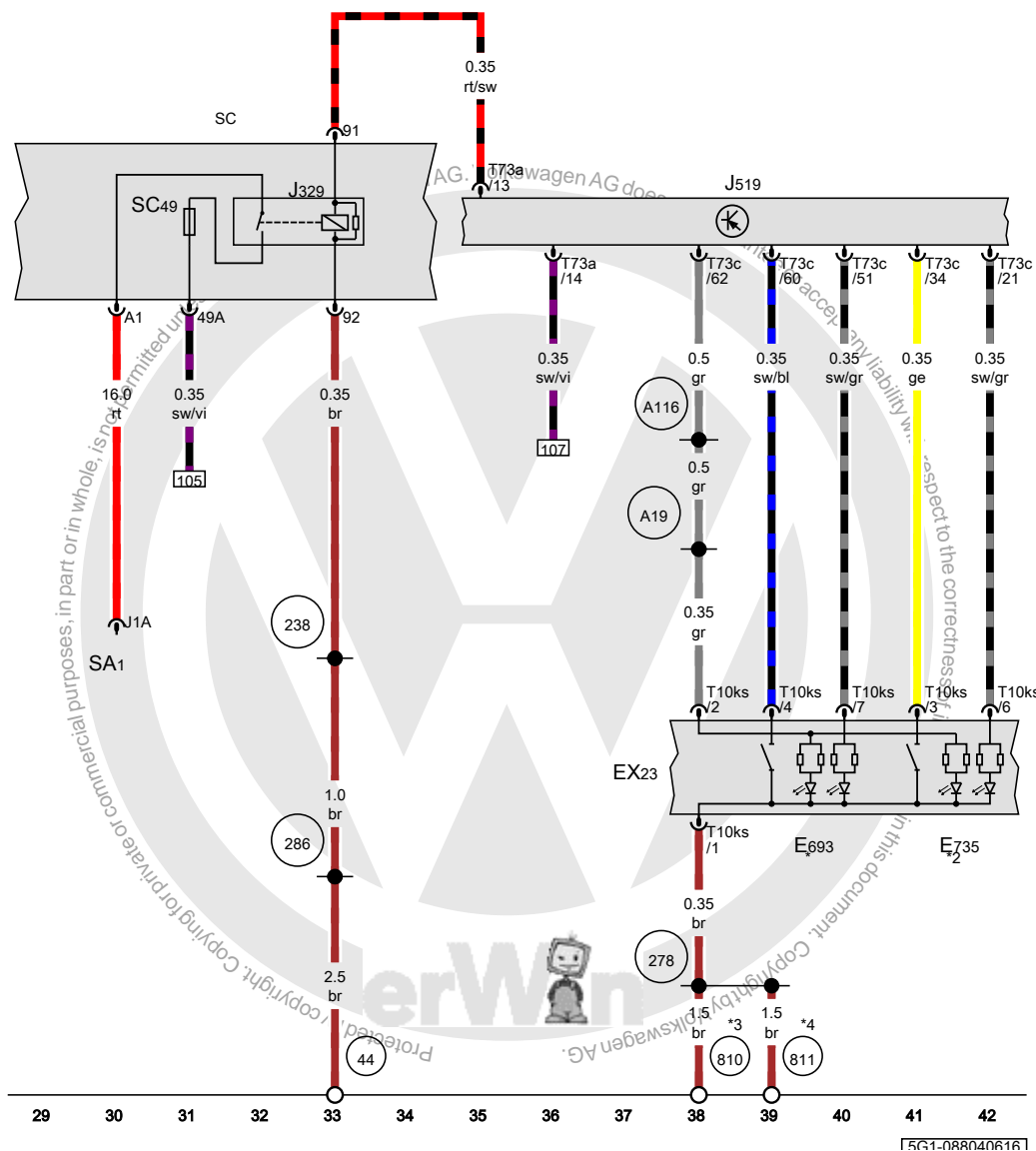
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

ws = white
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15G1-088040616

Engine control unit

J623 Engine control unit

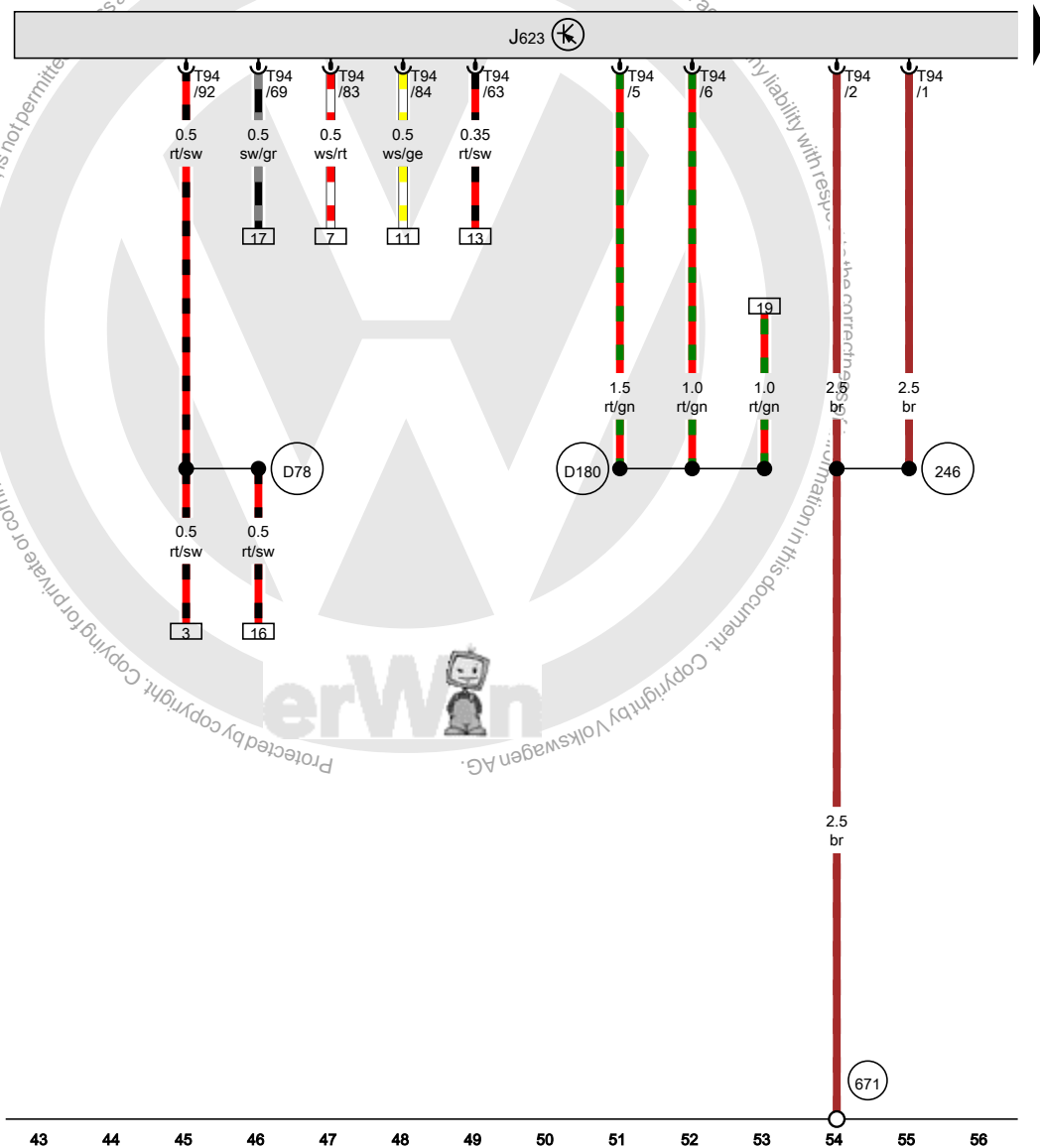
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

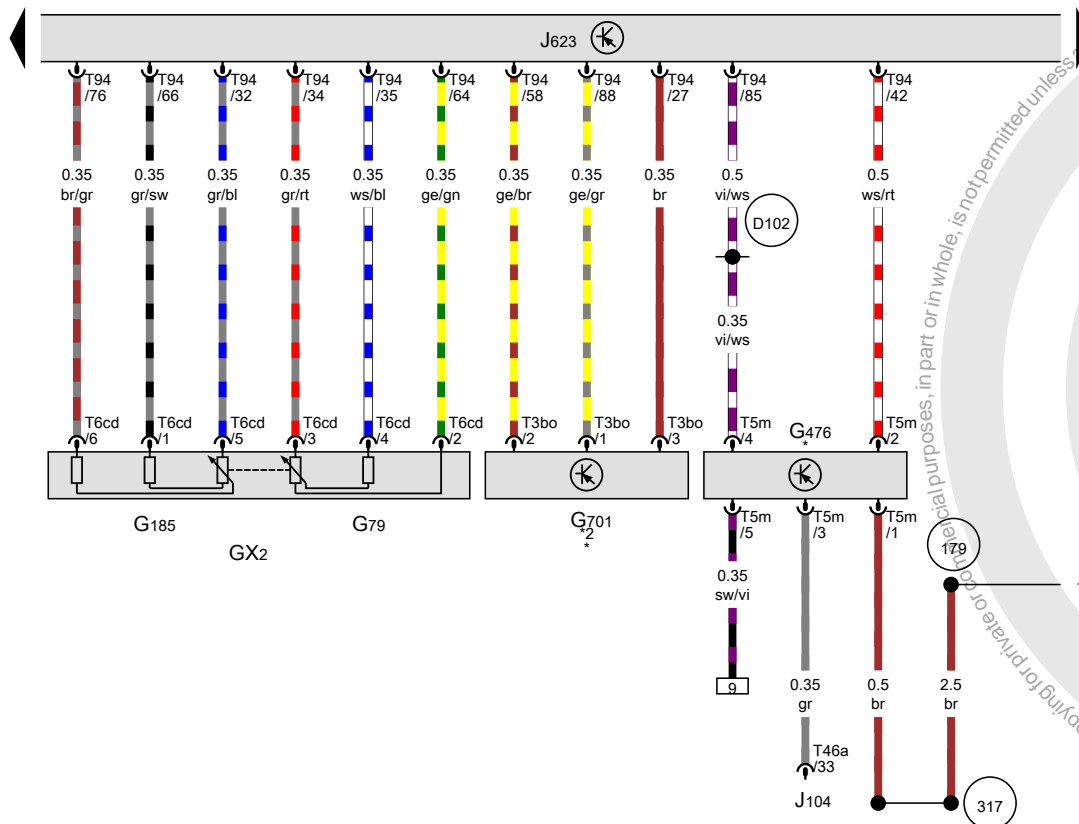
D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



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 sw = black
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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit



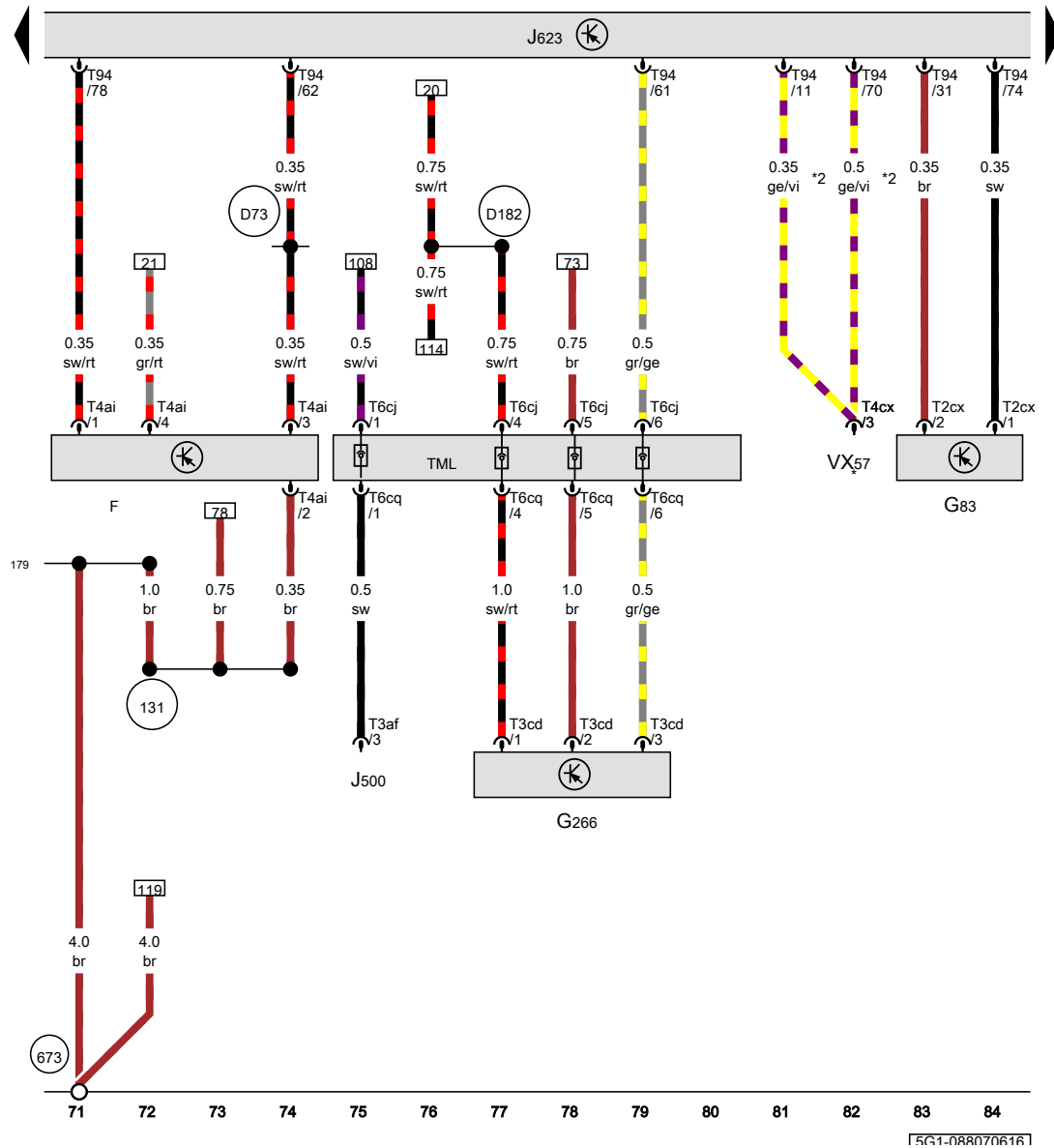
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system

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- rt = red
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- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

15G1-088060616



Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

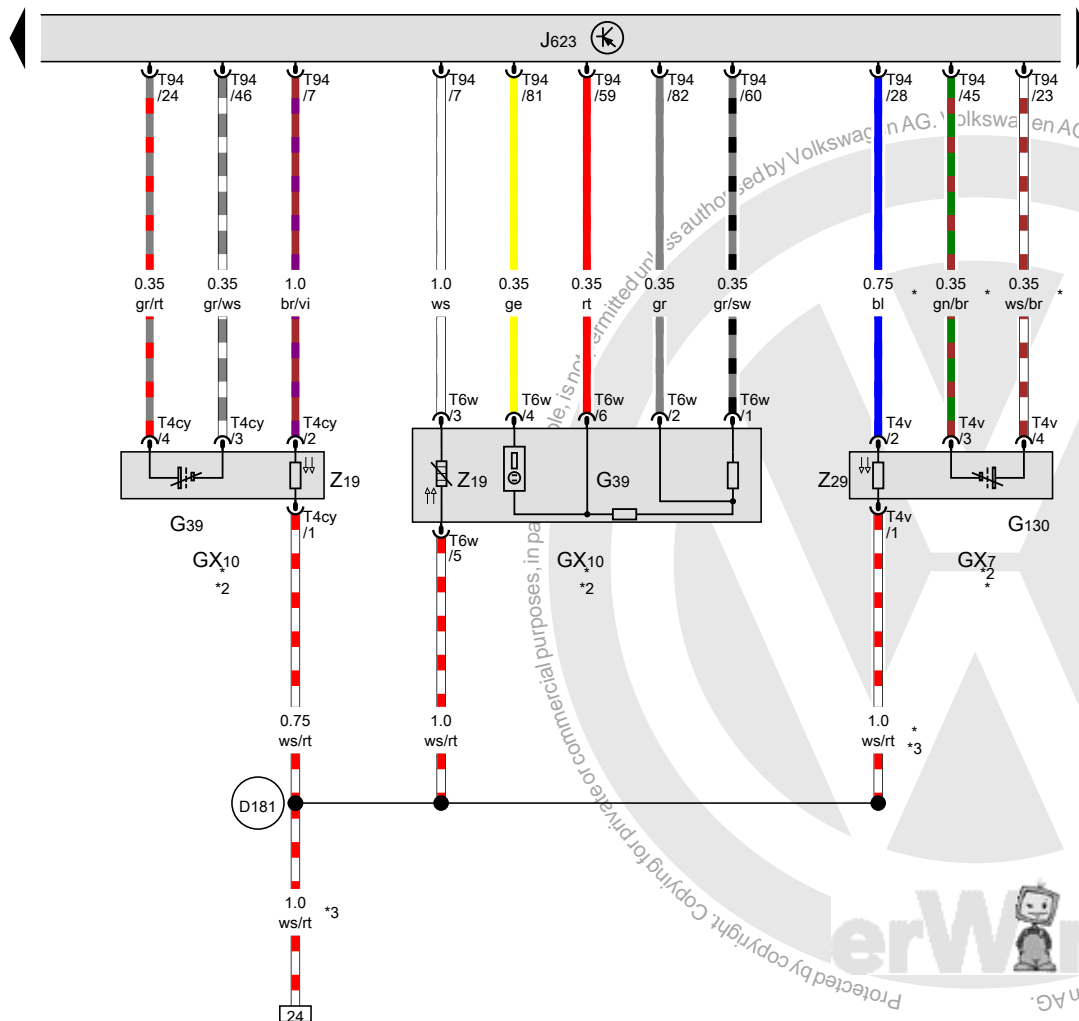
* Pre-wired component
*2 According to equipment

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ro = red
rt = red
br = brown
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bl = blue
gr = grey
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vi = purple
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rs = pink

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4cy 4-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness

- * According to equipment
- *2 Pre-wired component
- *3 Cross section depends on equipment

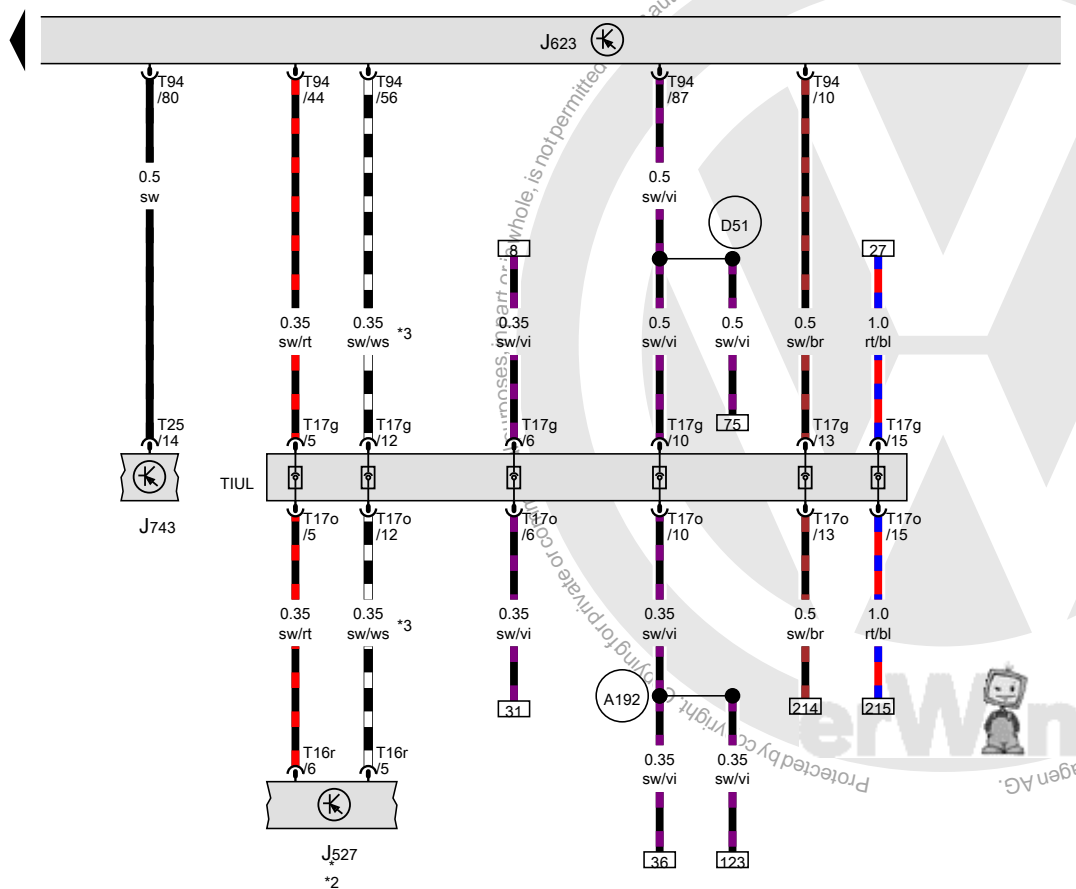


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- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 Only models with no heated steering wheel
- *3 Only models with cruise control system (CCS)



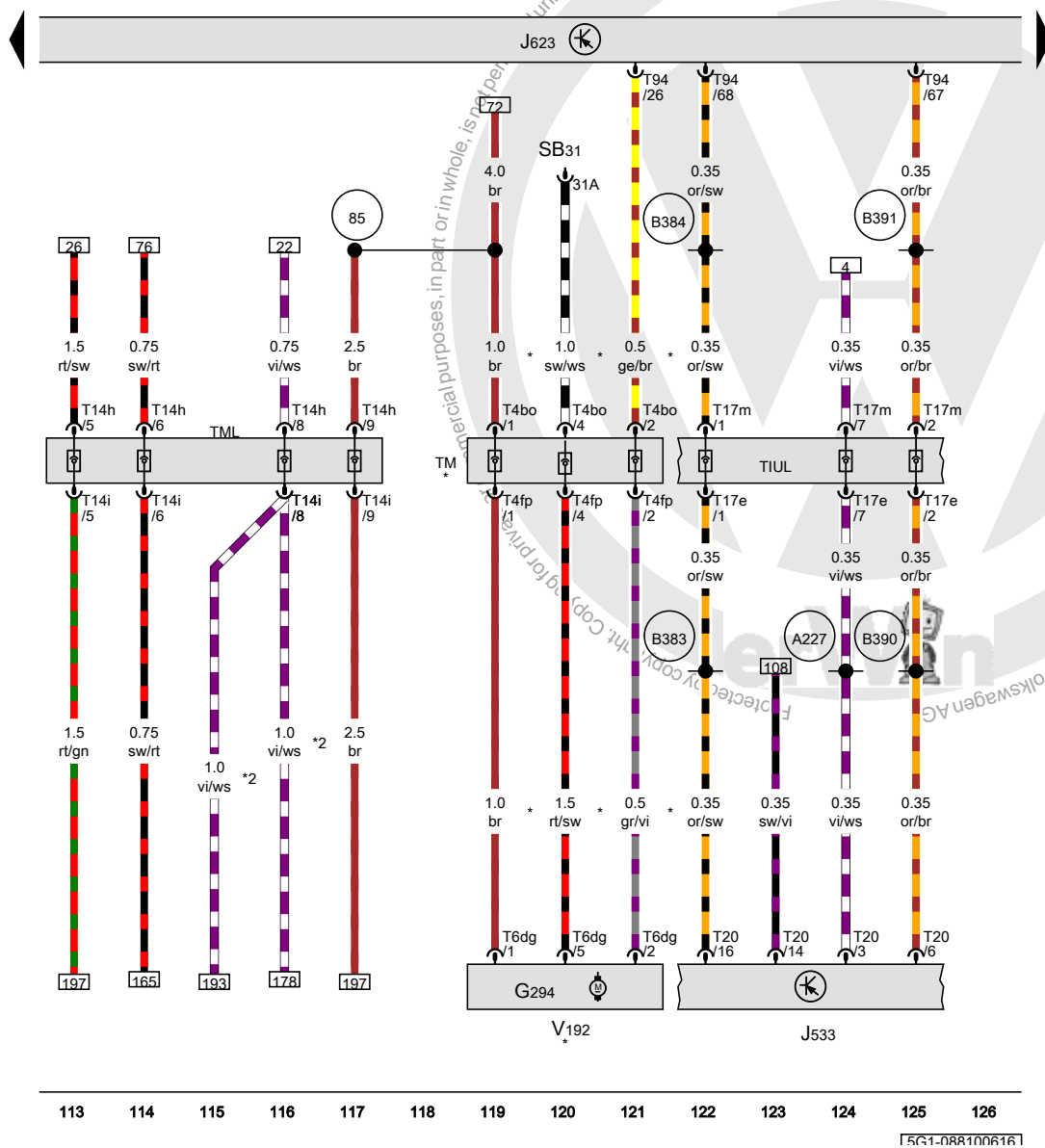
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Data bus diagnostic interface, Engine control unit, Coupling point in engine compartment, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * Only models with equipment for Japan
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- rs = pink



Hall sender, Coolant temperature sender, Engine control unit, Charge pressure positioner

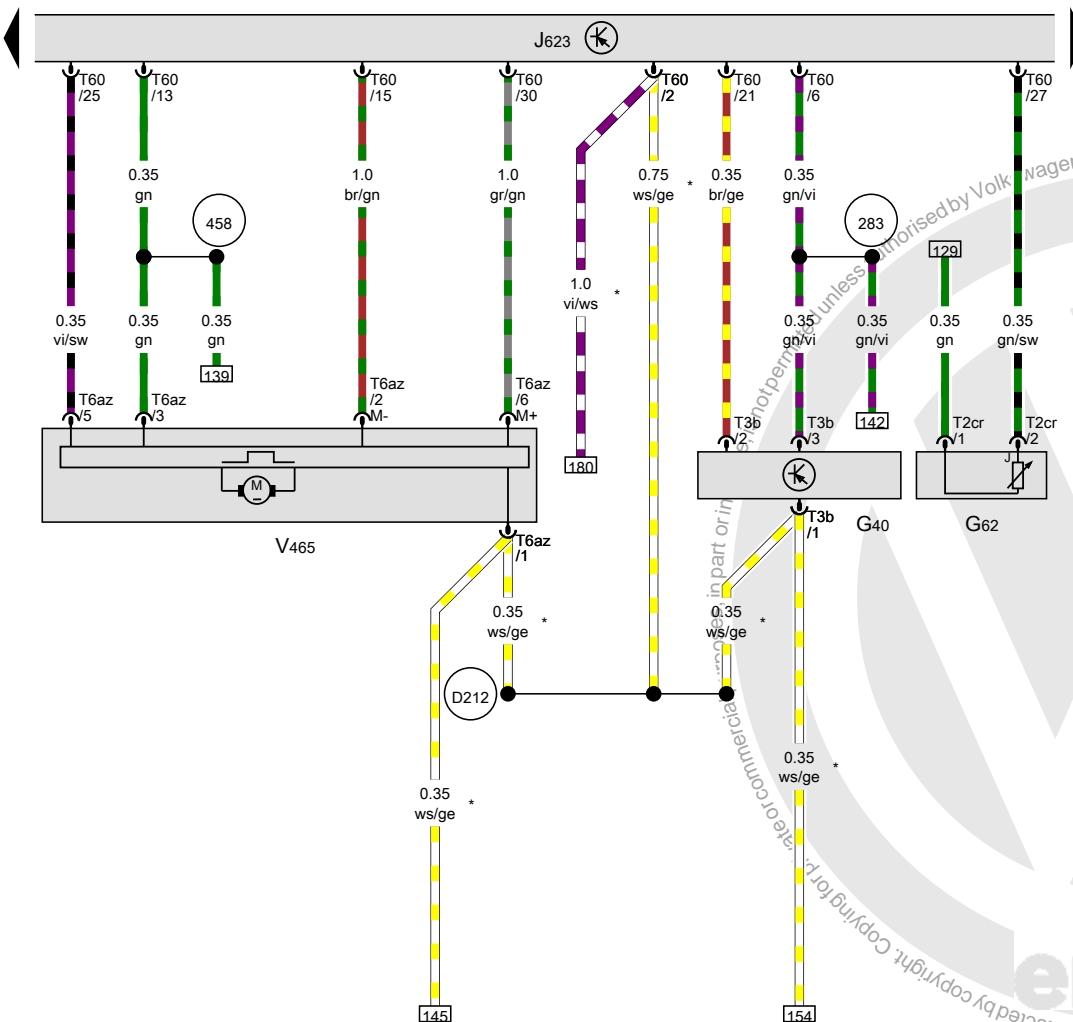
G40 Hall sender
G62 Coolant temperature sender
J623 Engine control unit
T2cr 2-pin connector
T3b 3-pin connector
T6az 6-pin connector
T60 60-pin connector
V465 Charge pressure positioner

283 Earth point 2, engine prewiring harness

458 Earth point 3, engine prewiring harness

D212 Connection 4 (5V) in engine prewiring harness

* According to equipment

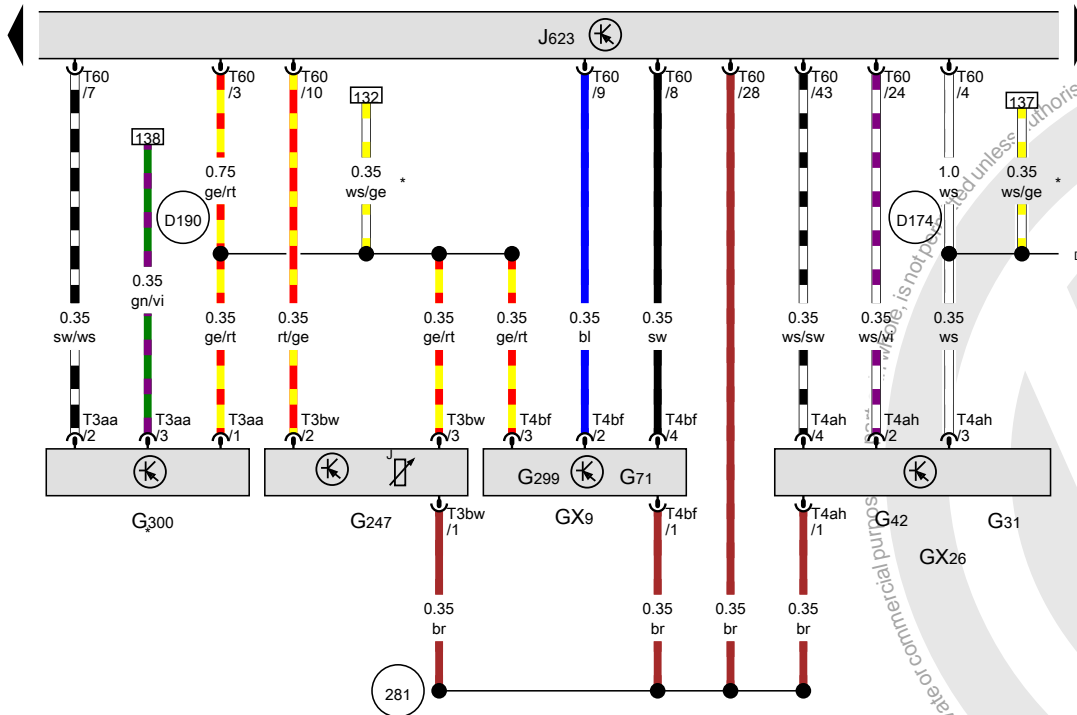


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

15G1-088110616

Intake manifold sender, Charge pressure sender, Fuel pressure sender, Engine control unit



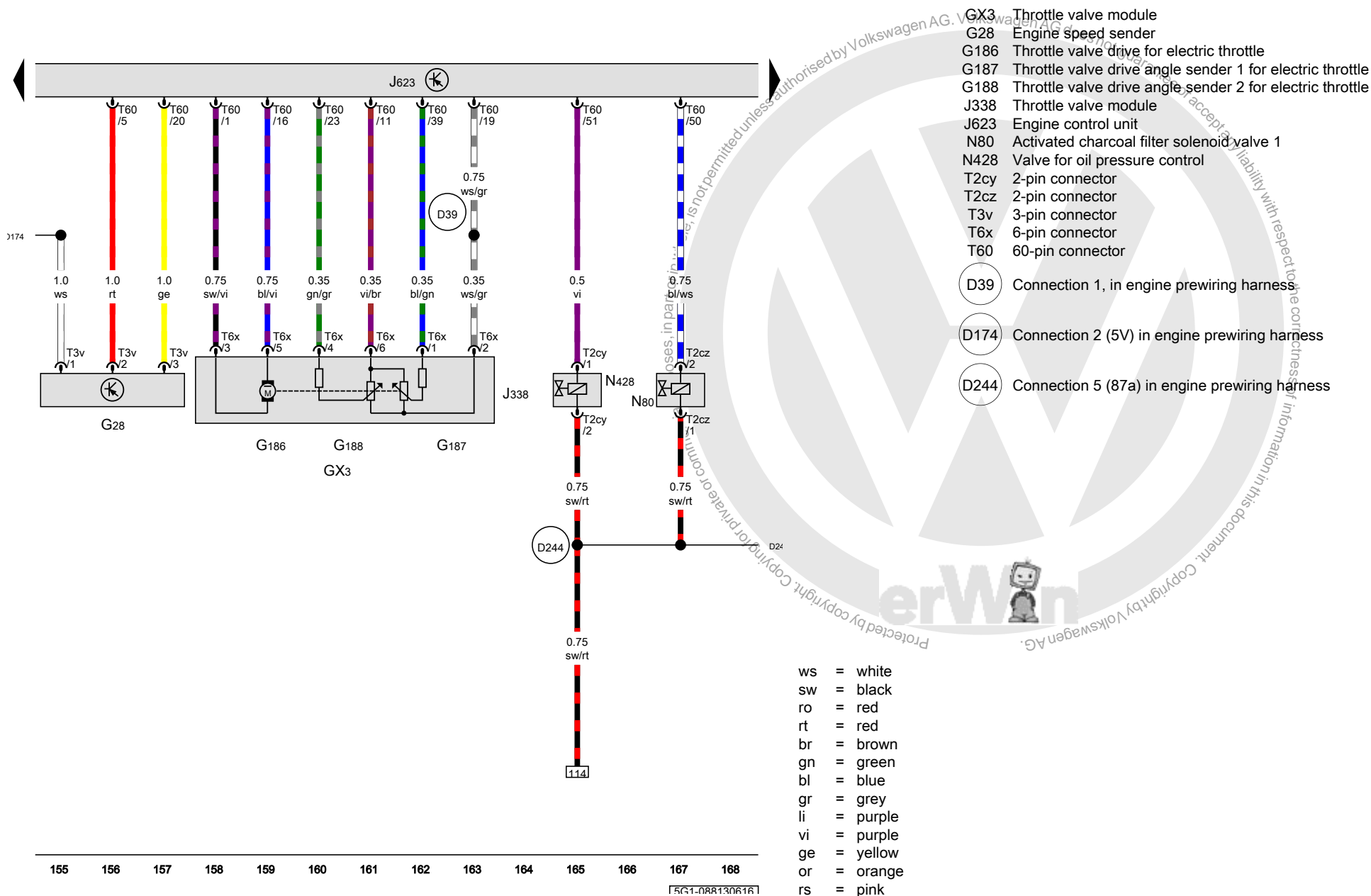
- GX9 Intake manifold sender
- GX26 Charge pressure sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine control unit
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4ah 4-pin connector
- T4bf 4-pin connector
- T60 60-pin connector
- 281 Earth point 1, engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- D190 Connection 3 (5V) in engine prewiring harness
- * According to equipment

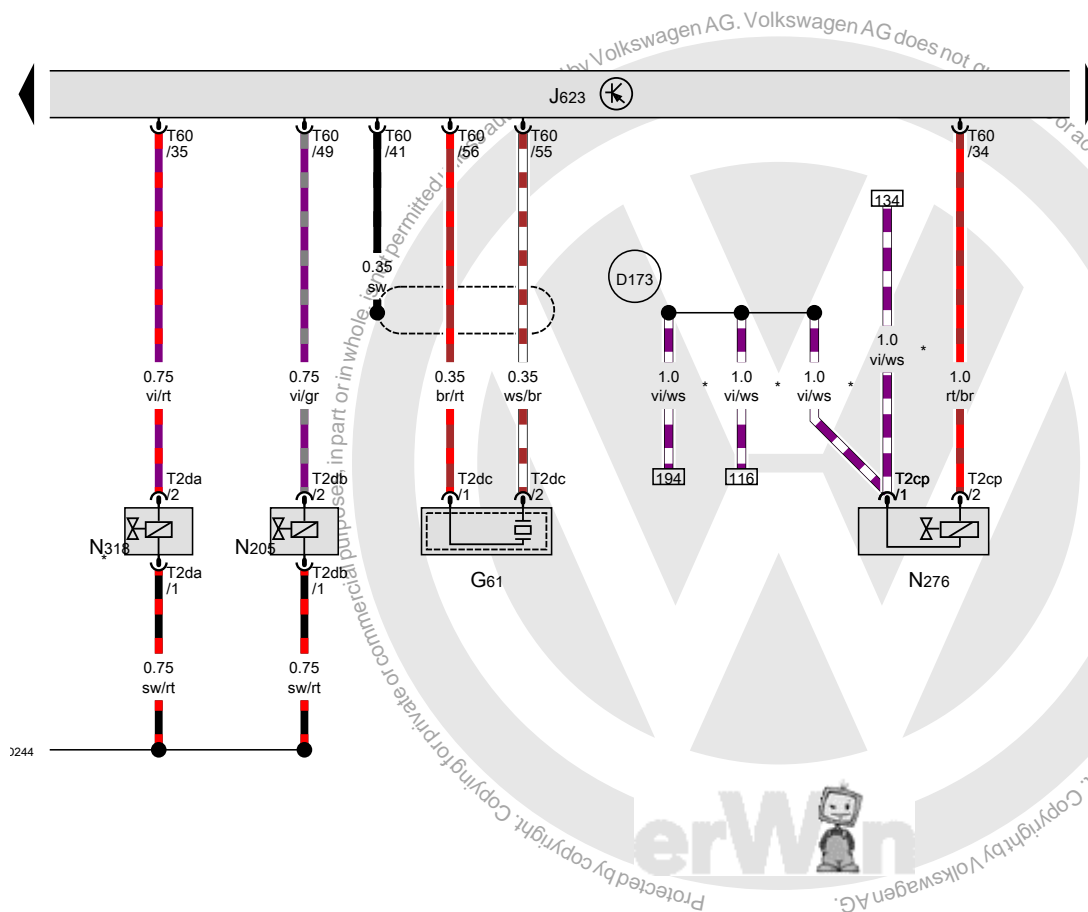
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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

[5G1-08R120616]

Throttle valve module, Engine speed sender, Engine control unit, Activated charcoal filter solenoid valve 1, Valve for oil pressure control





Knock sensor 1, Engine control unit, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1

- G61 Knock sensor 1
- J623 Engine control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- T2cp 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

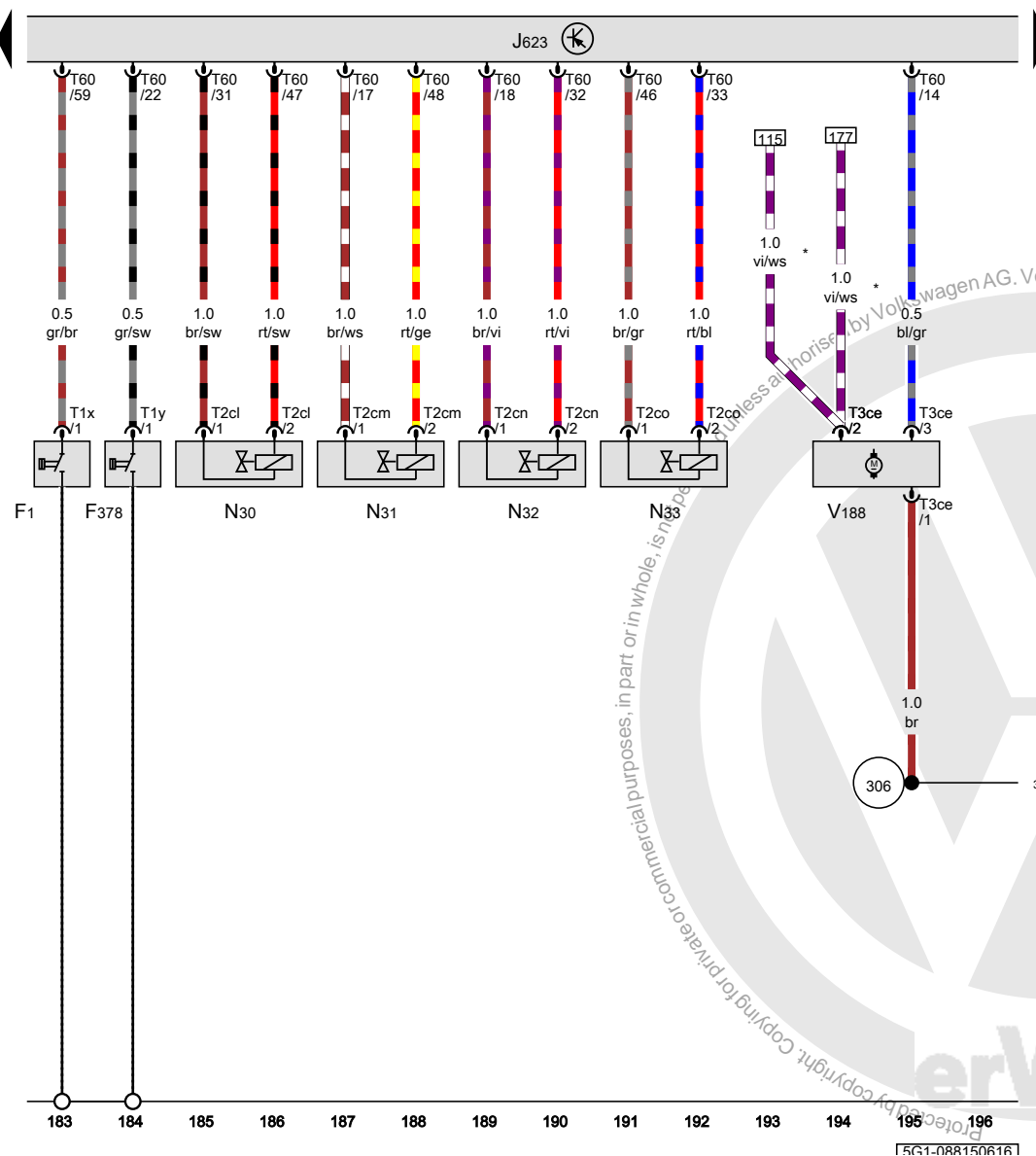
D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump



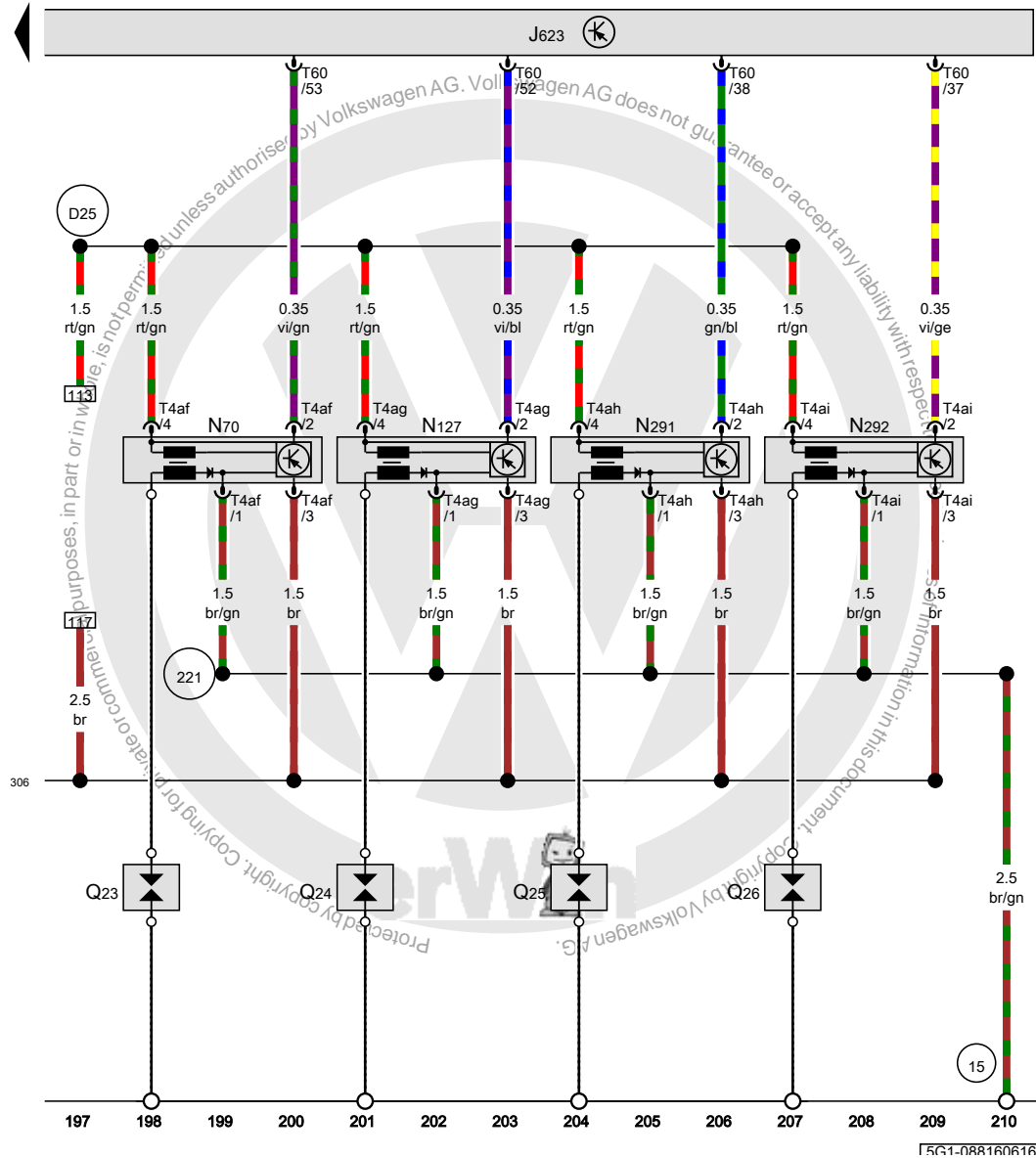
- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

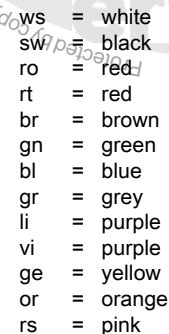
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness



G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J538	Fuel pump control unit
KX2	Dash panel insert
T5ai	5-pin connector
T5b	5-pin connector
T18	18-pin connector

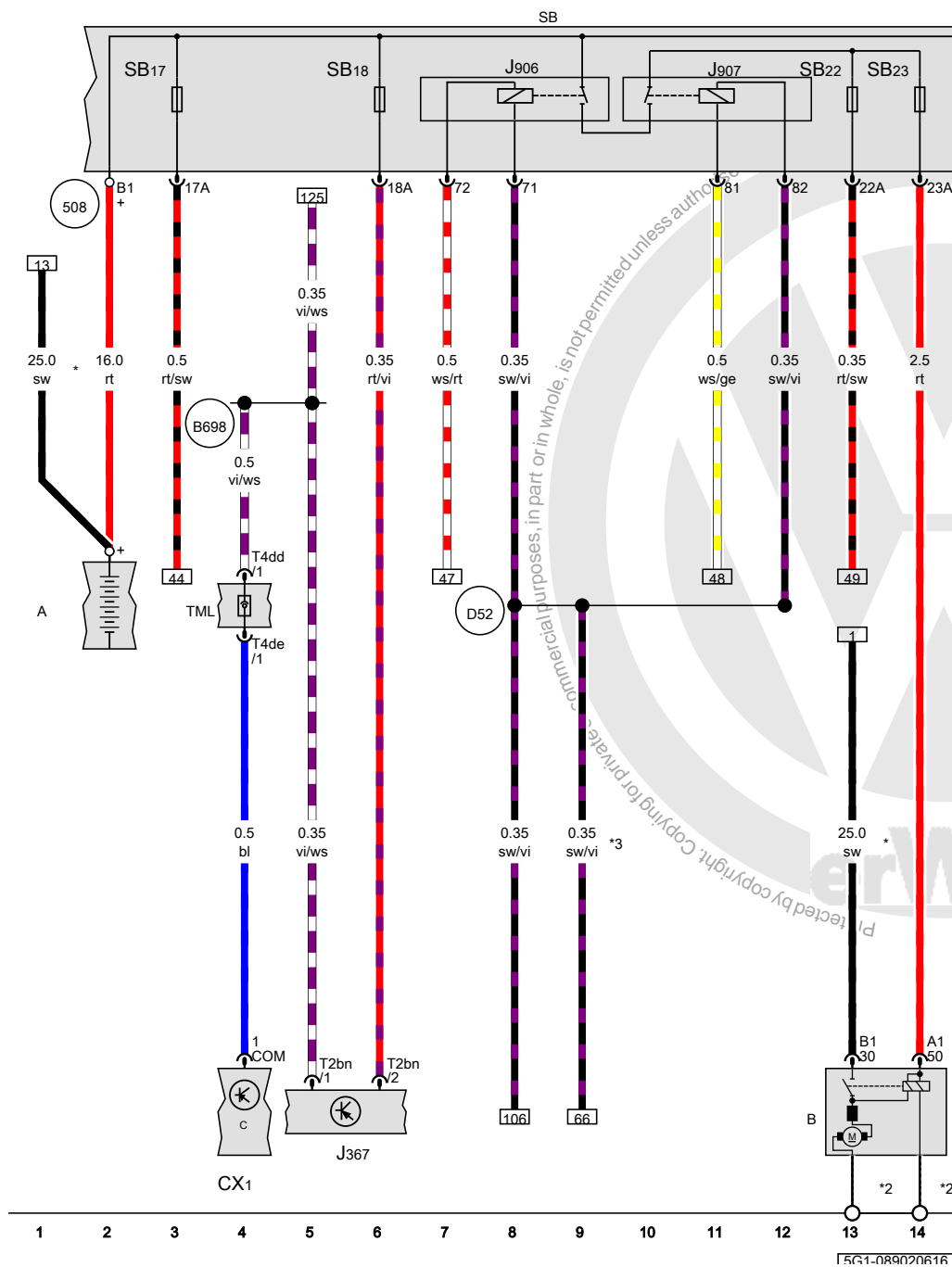
(730) Earth point 1, on right rear wheel housing



1.2l petrol engine , CJZA,CJZB,CYVA,CYVB

From May 2015



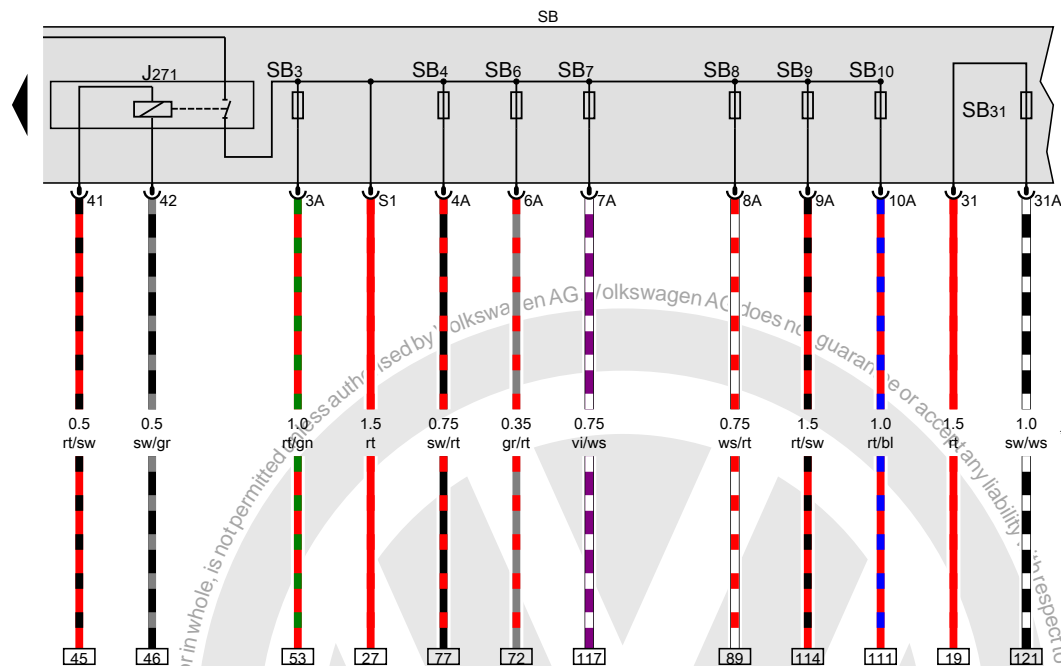


Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, yellow
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible
- *2 Earth supply via housing
- *3 Only models with manual gearbox

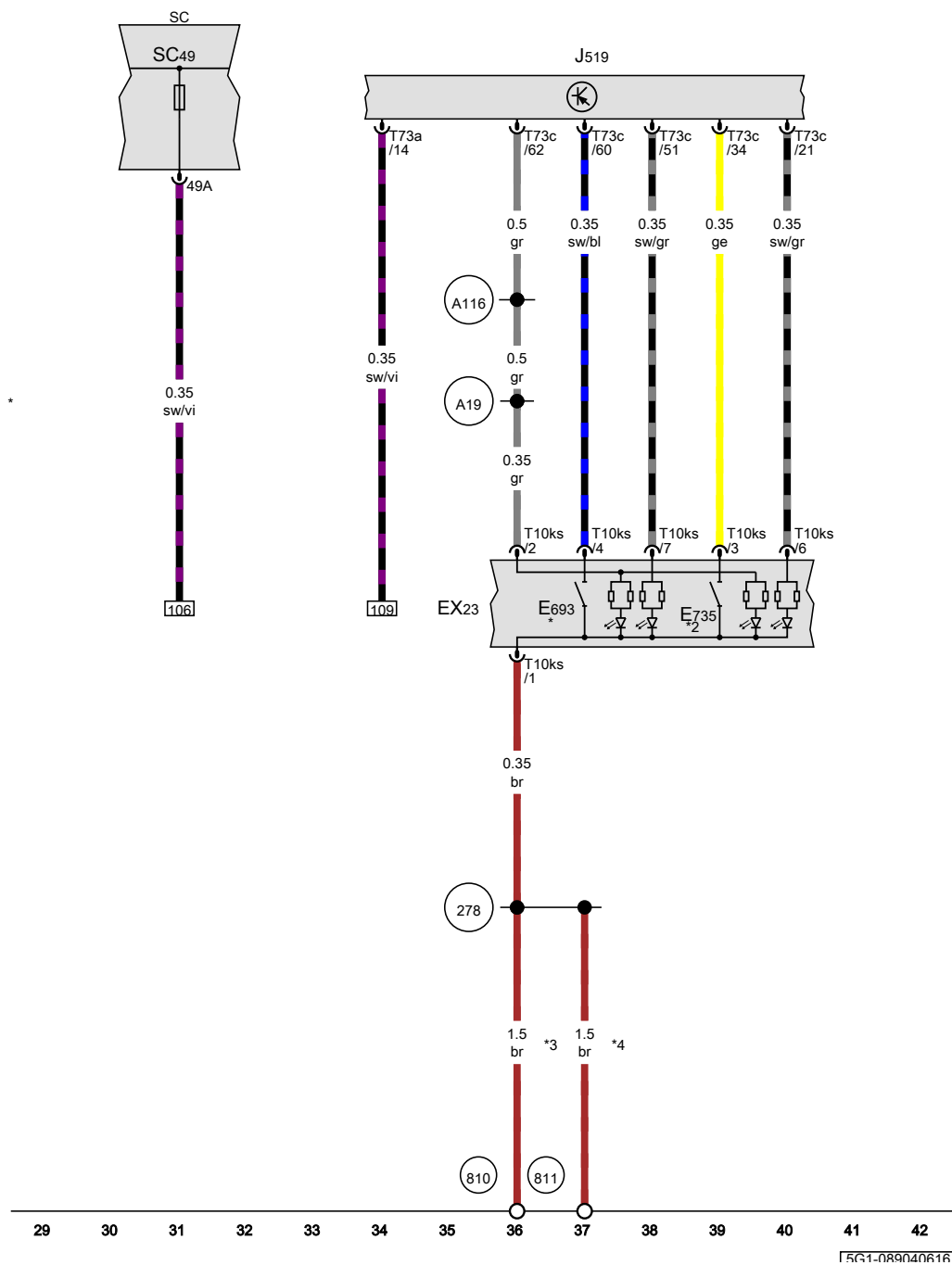
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- * Only models with equipment for Japan

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

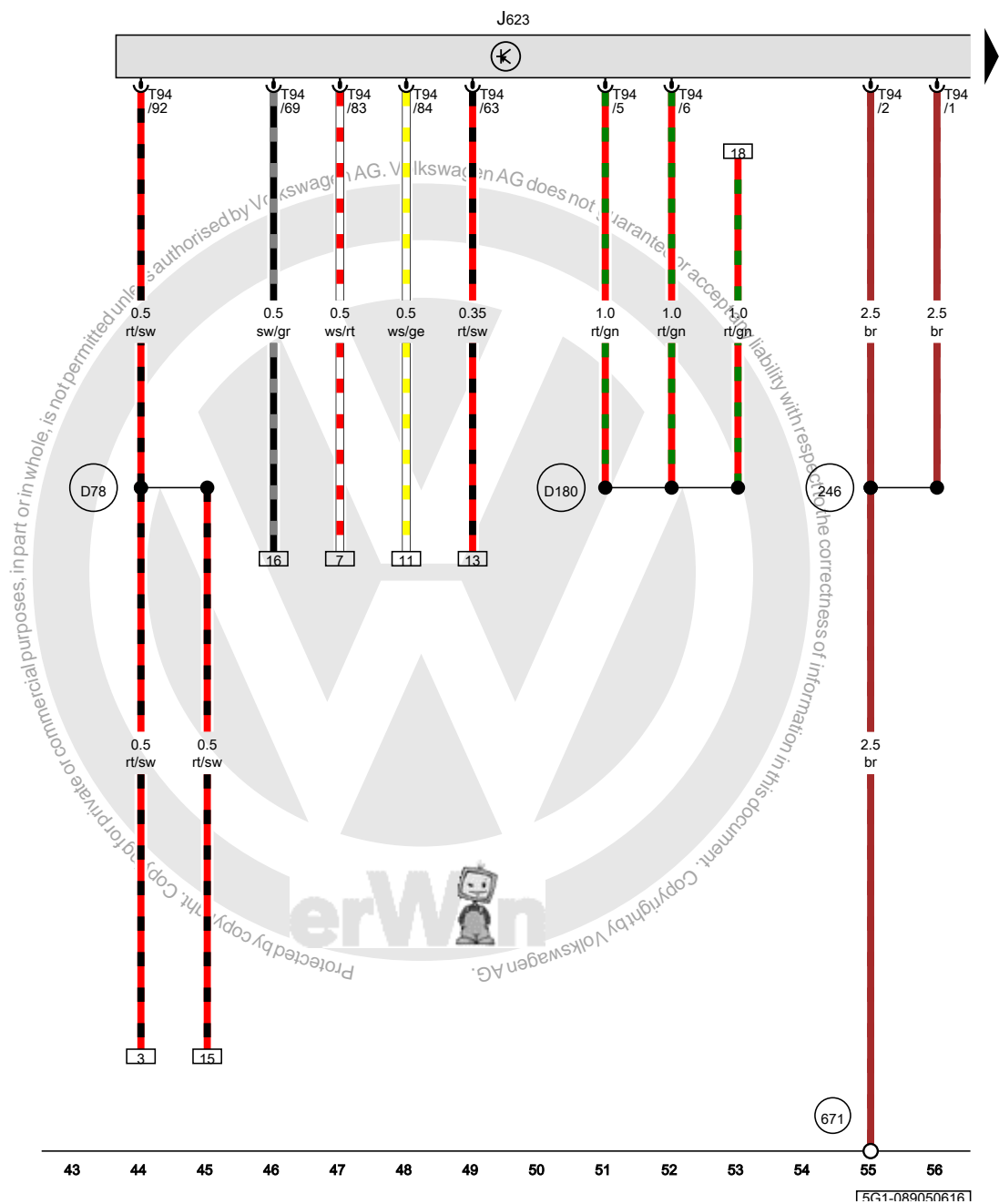


Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit

J623 Engine control unit

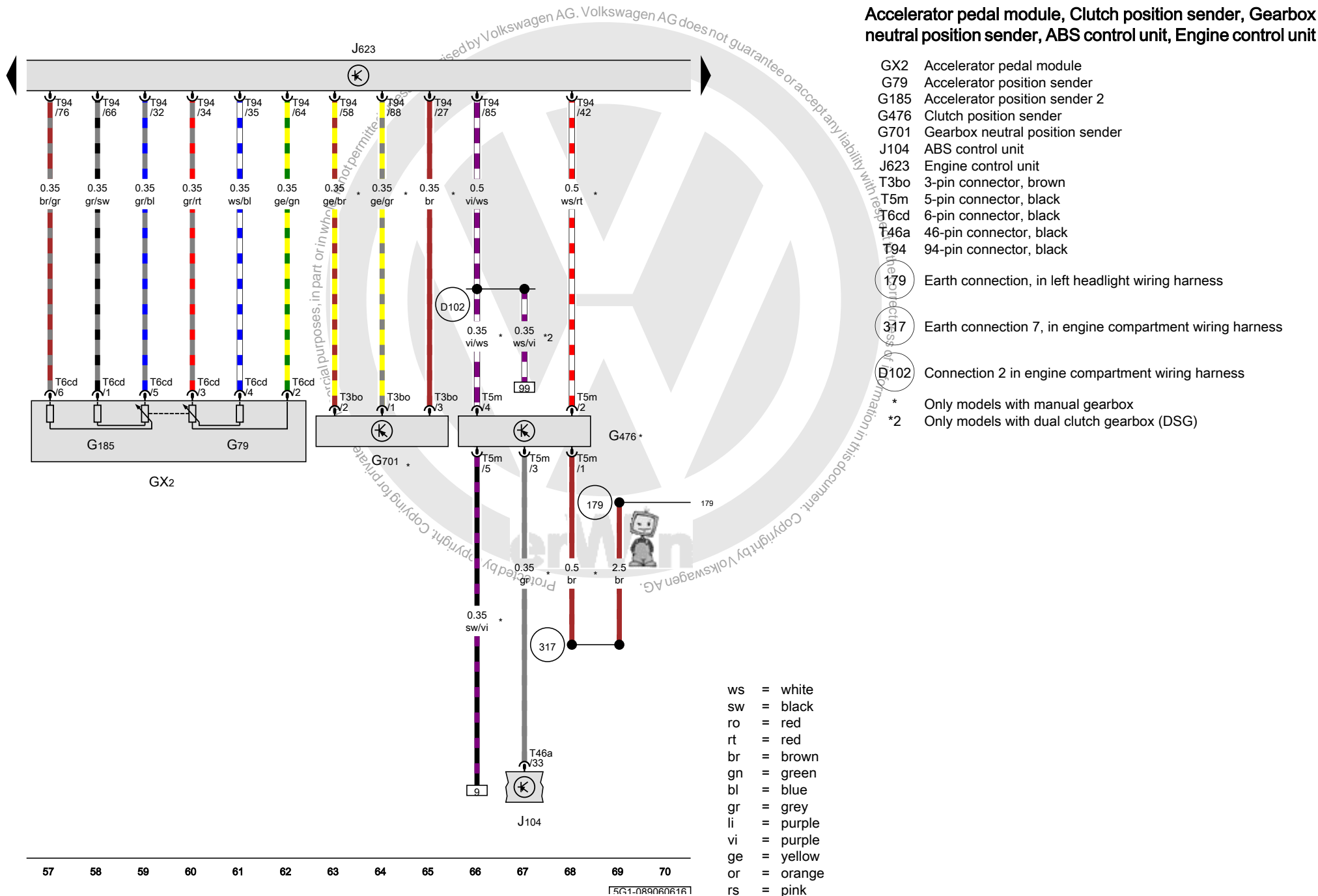
T94 94-pin connector, black

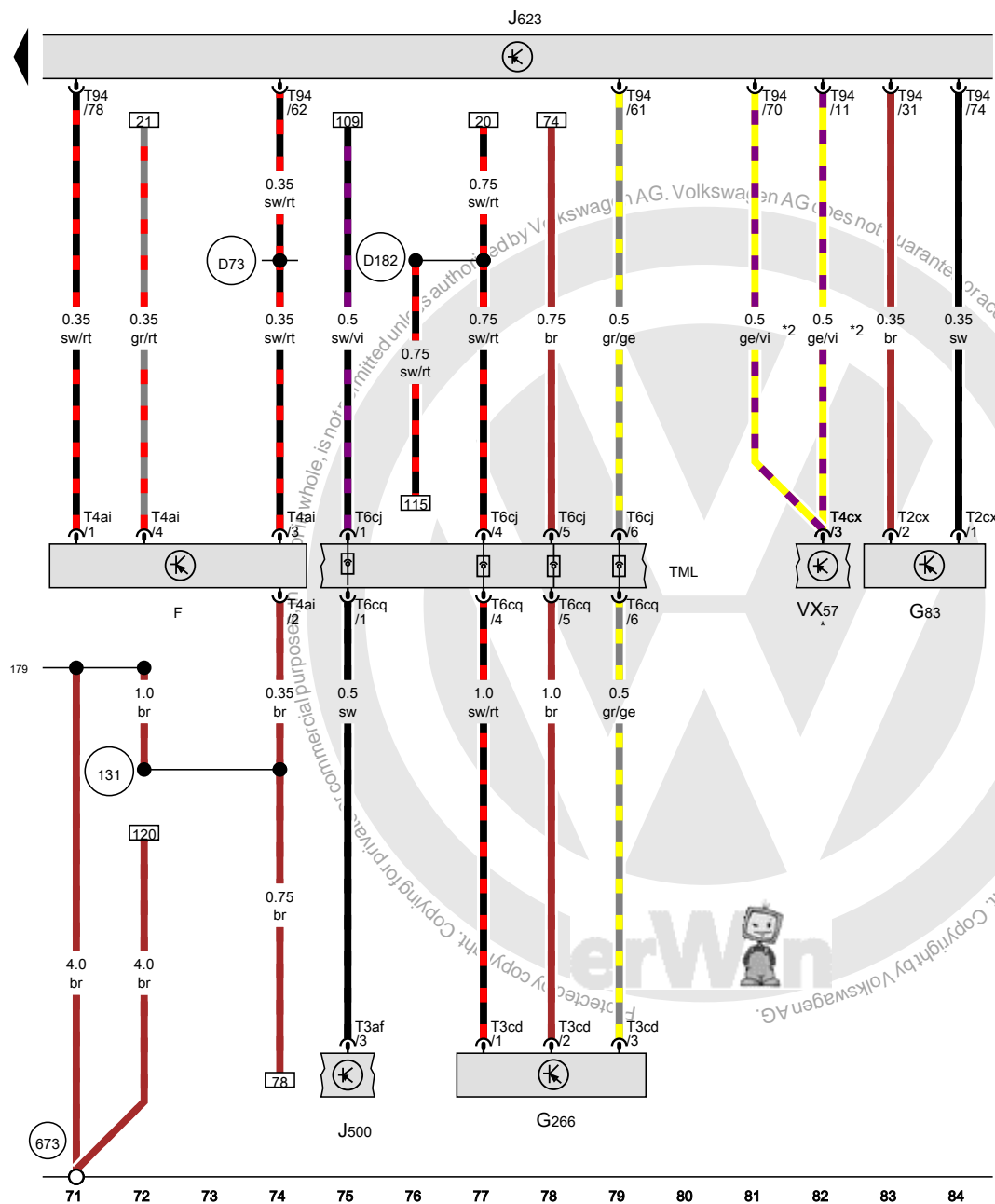
246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness





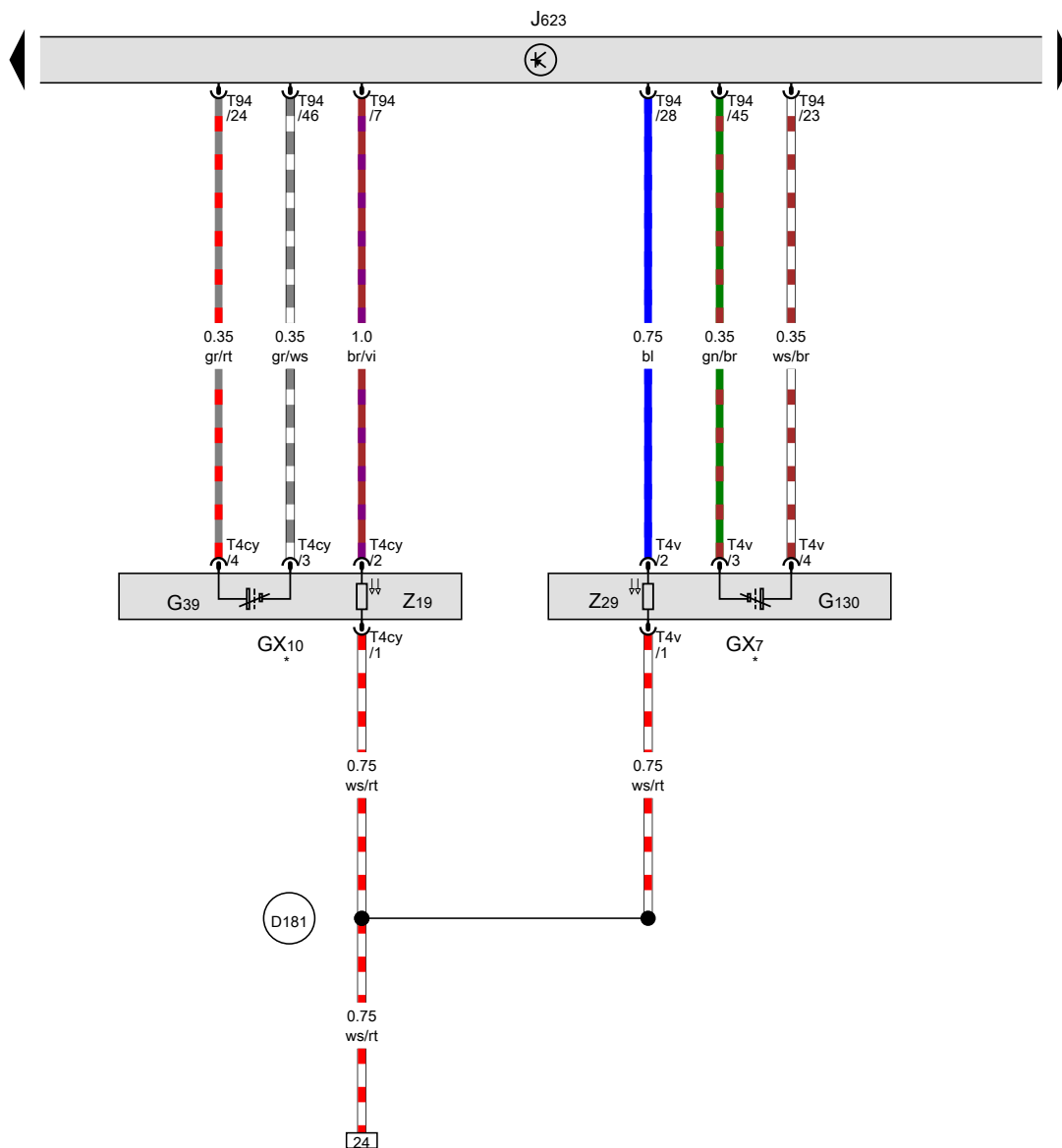
Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector, black
- T3af 3-pin connector, black
- T3cd 3-pin connector, black
- T4ai 4-pin connector, black
- T4cx 4-pin connector, black
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

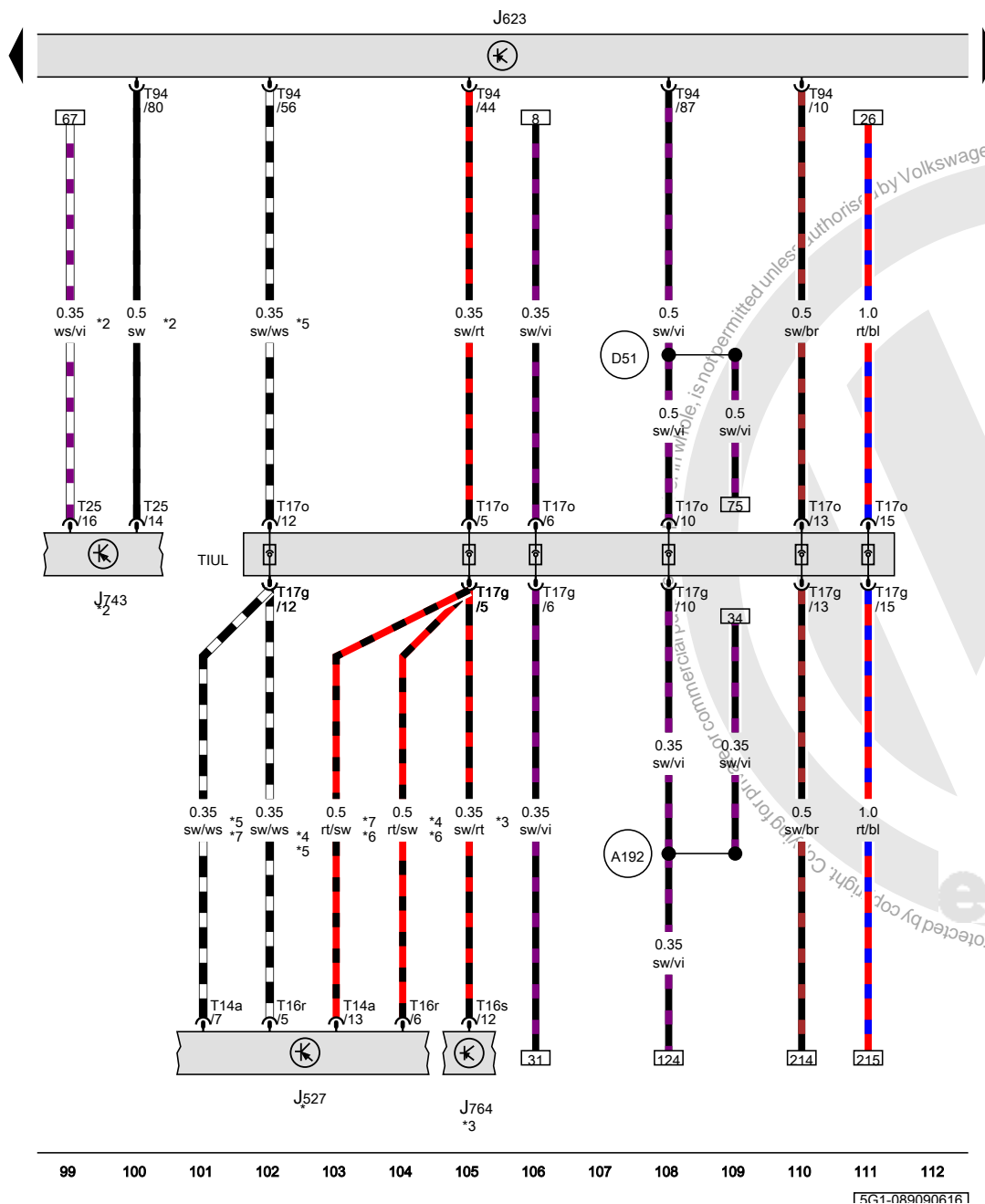
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4cy 4-pin connector, brown
- T4v 4-pin connector, black
- T94 94-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

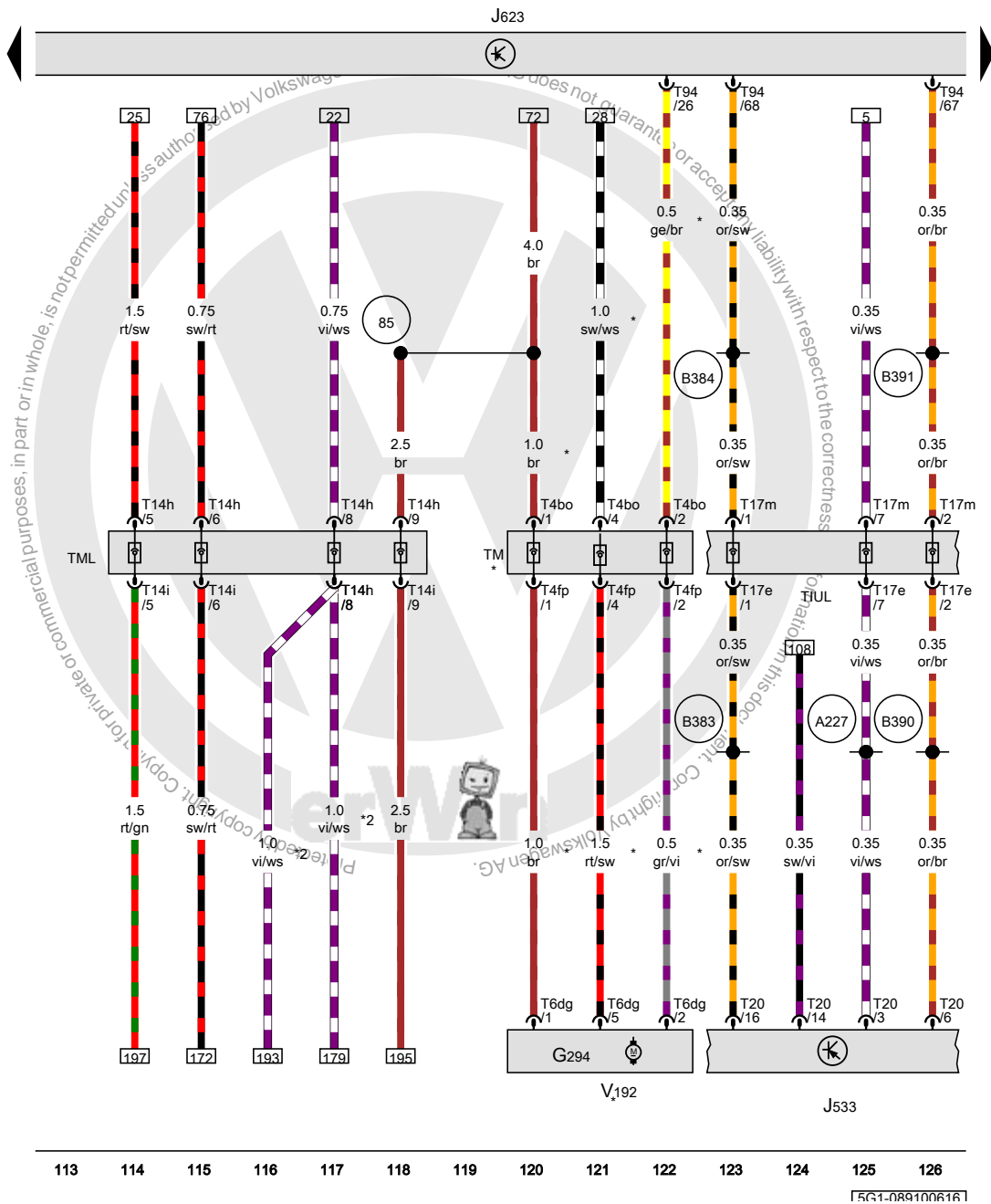
Steering column electronics control unit, Engine control unit, Mechatronic unit for dual clutch gearbox



- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector, black
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 Only models with dual clutch gearbox (DSG)
- *3 Only models with entry and start authorisation
- *4 Only models with no heated steering wheel
- *5 Only models with cruise control system (CCS)
- *6 Only models with no entry and start authorisation
- *7 Only models with heated steering wheel

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Data bus diagnostic interface, Engine control unit, Coupling point in engine compartment, Vacuum pump for brakes

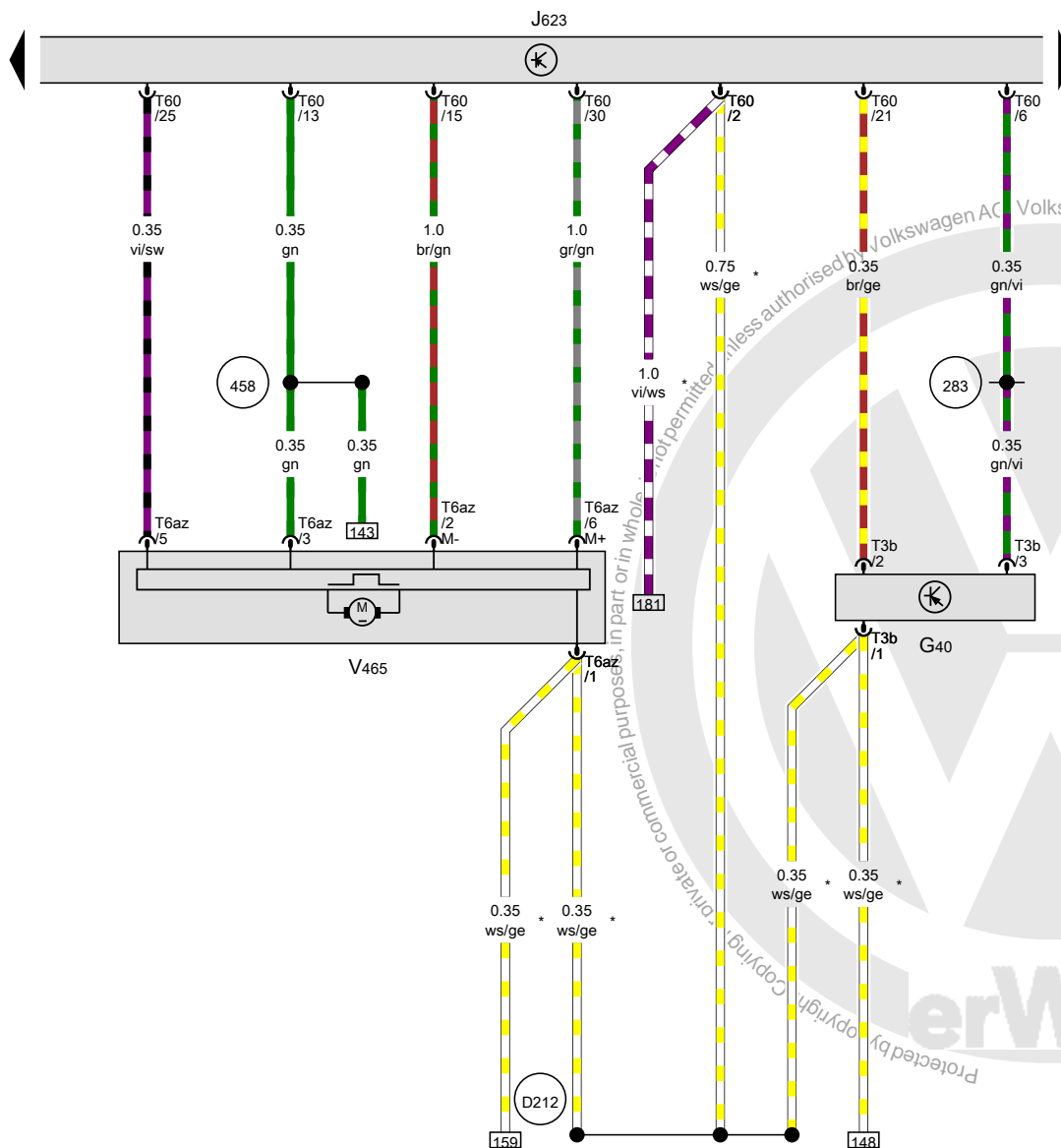
- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

* Only models with equipment for Japan
 *2 According to equipment

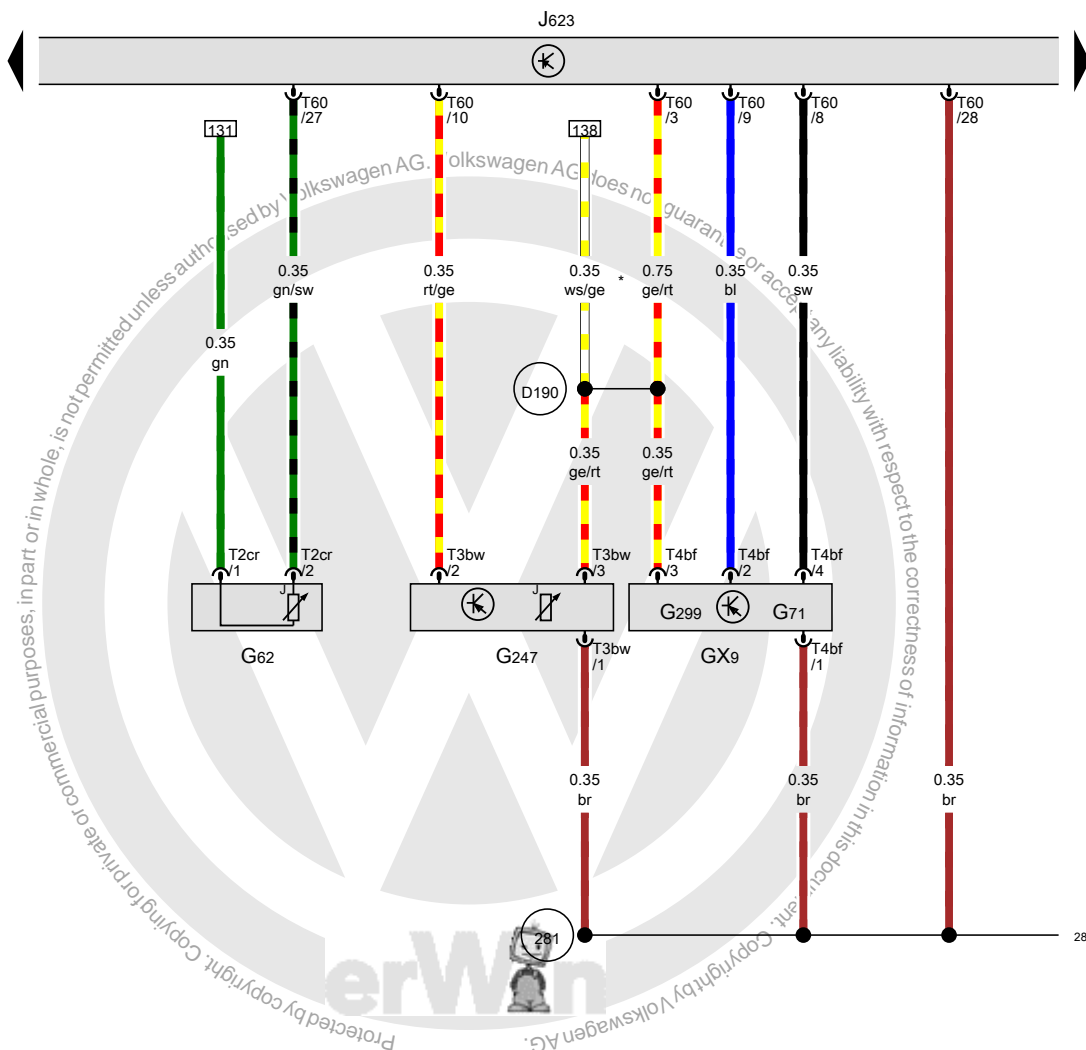
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Hall sender, Engine control unit, Charge pressure positioner



- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector, black
- T6az 6-pin connector, grey
- T60 60-pin connector, black
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Intake manifold sender, Coolant temperature sender, Fuel pressure sender, Engine control unit

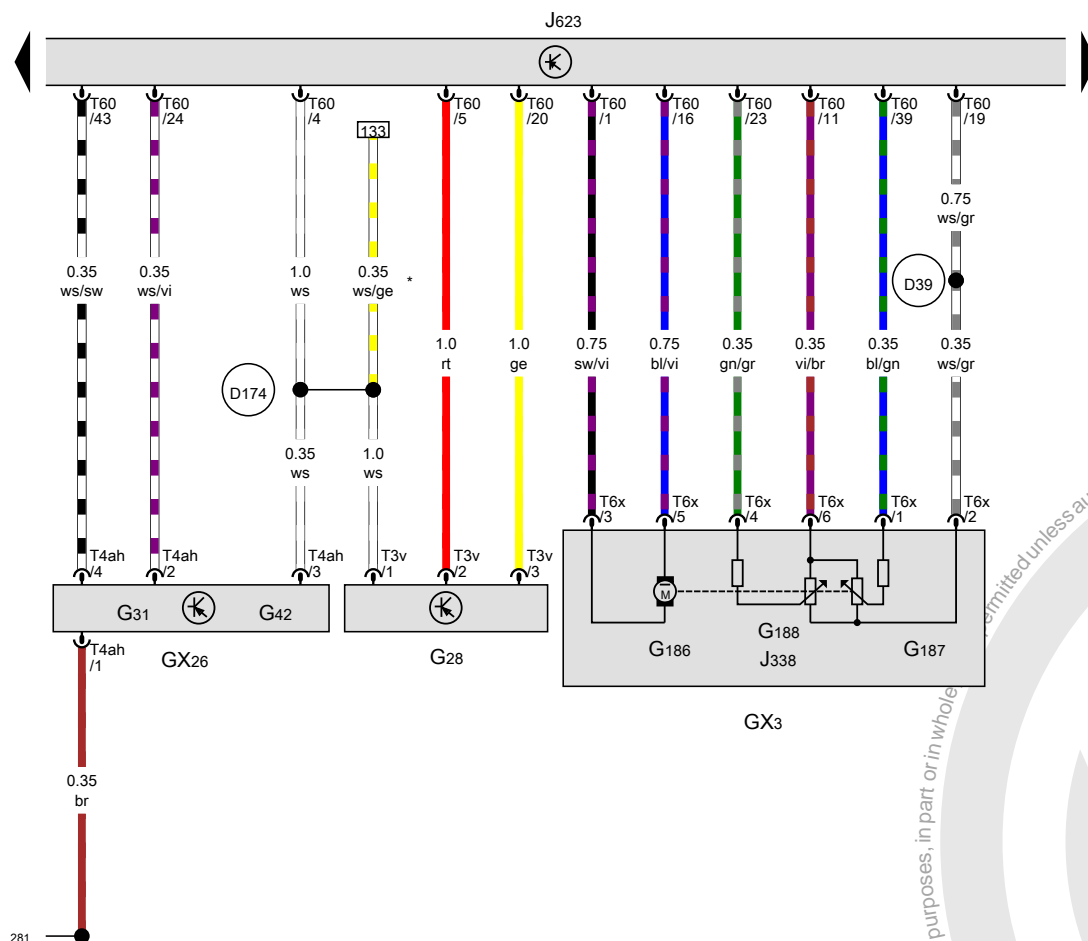
- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J623 Engine control unit
- T2cr 2-pin connector, black
- T3bw 3-pin connector, black
- T4bf 4-pin connector, black
- T60 60-pin connector, black

281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Throttle valve module, Charge pressure sender, Engine speed sender, Intake air temperature sender, Engine control unit

- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector, brown
- T4ah 4-pin connector, black
- T6x 6-pin connector, black
- T60 60-pin connector, black

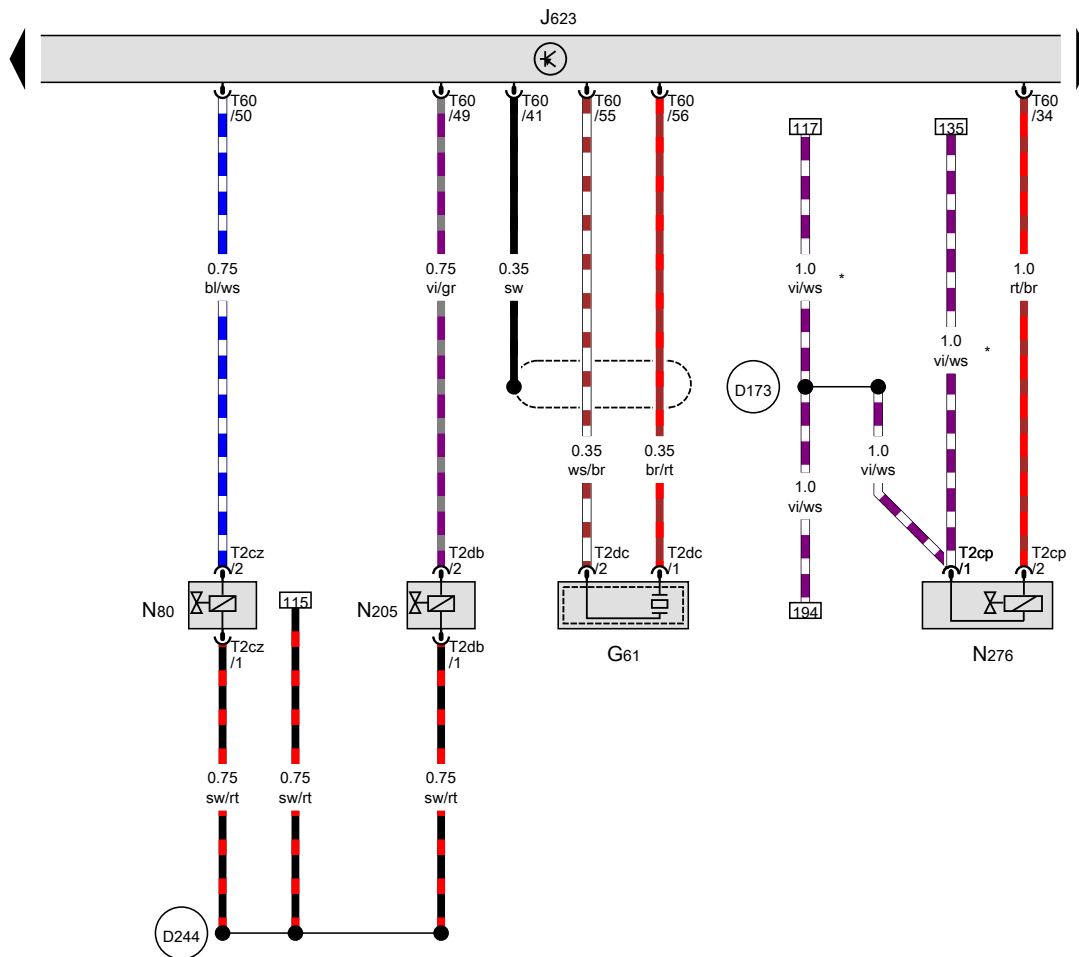
281 Earth point 1, engine prewiring harness

D39 Connection 1, in engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve

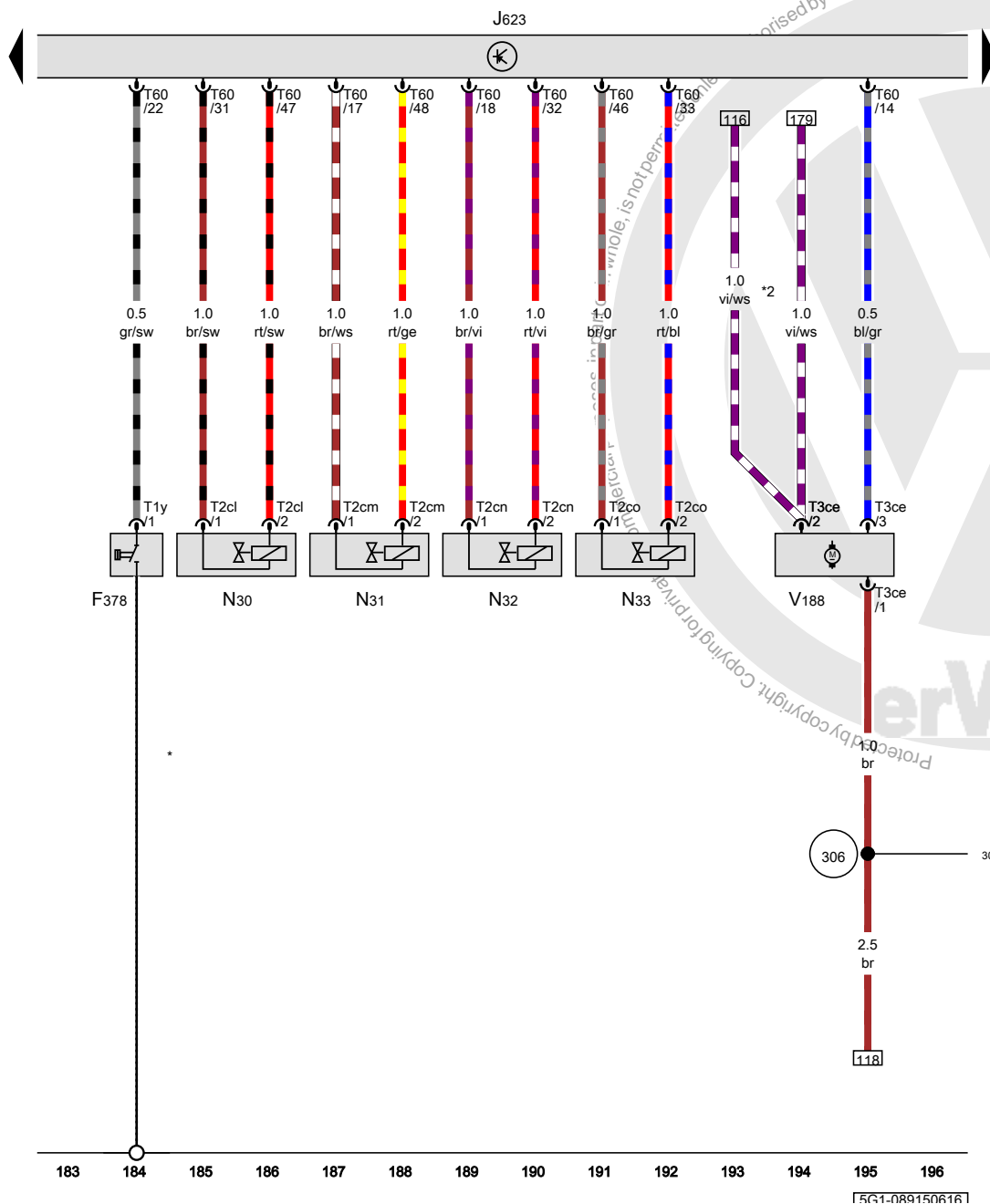
- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- T2cp 2-pin connector, yellow
- T2cz 2-pin connector, black
- T2db 2-pin connector, yellow
- T2dc 2-pin connector, black
- T60 60-pin connector, black

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

F378 Oil pressure switch for reduced oil pressure

J623 Engine control unit

N30 Injector, cylinder 1

N31 Injector, cylinder 2

N32 Injector, cylinder 3

N33 Injector, cylinder 4

T1y Single connector, black

T2cl 2-pin connector, black

T2cm 2-pin connector, black

T2cn 2-pin connector, black

T2co 2-pin connector, black

T3ce 3-pin connector, black

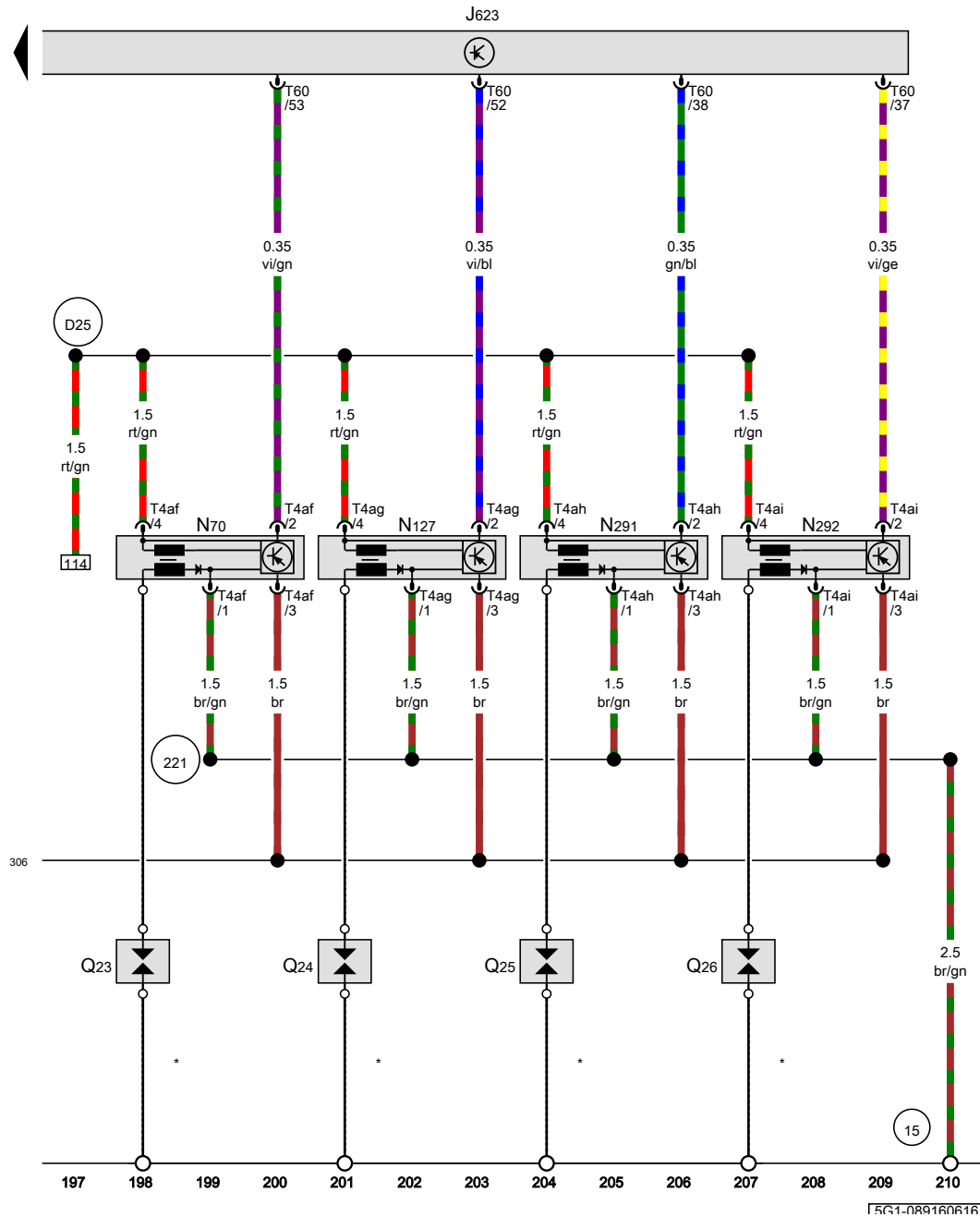
T60 60-pin connector, black

V188 Charge air cooling pump

306 Earth connection (ignition coils), in engine prewiring harness

* Earth supply via housing

*2 According to equipment



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T60 60-pin connector, black

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

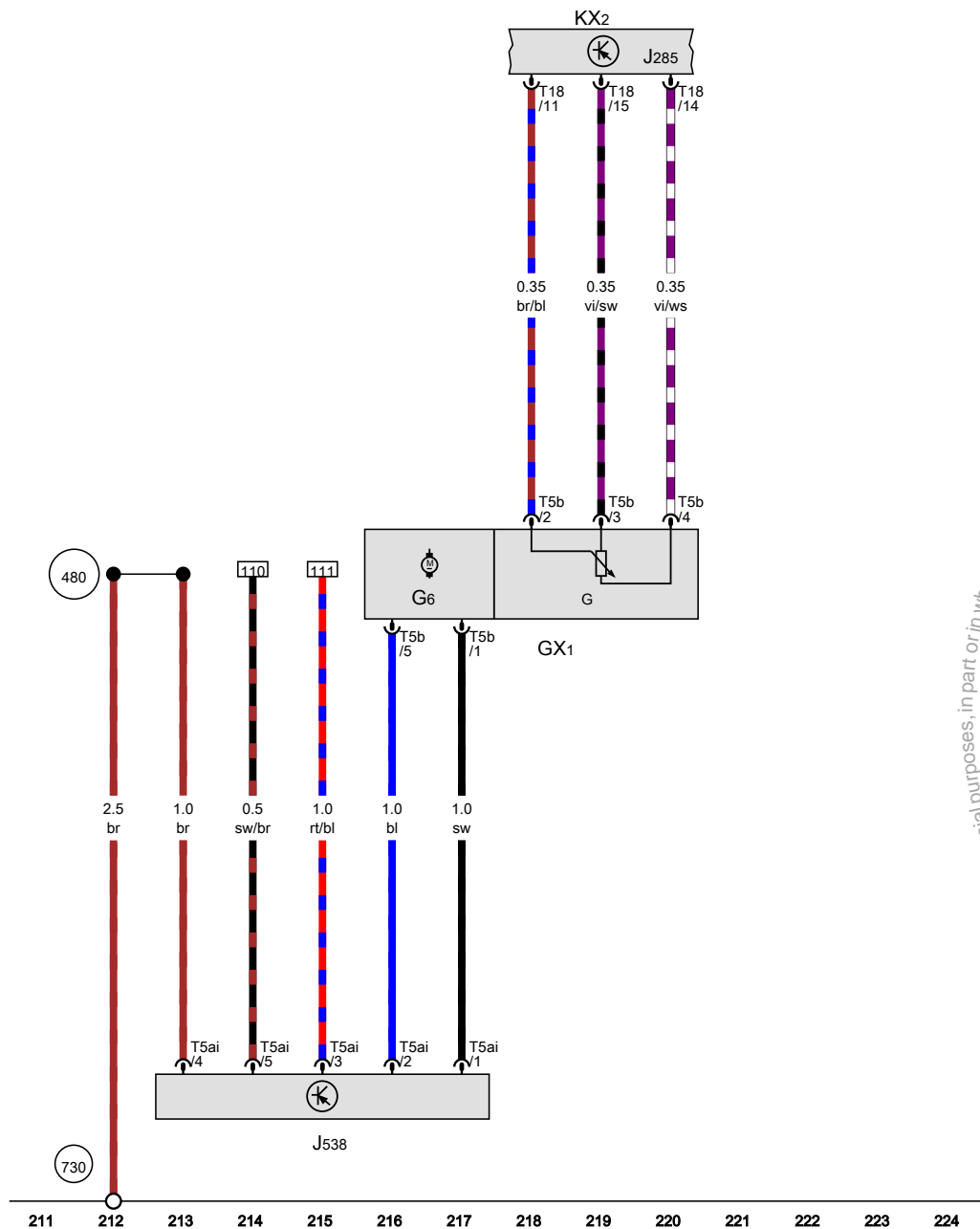
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector, black
- T5b 5-pin connector, black
- T18 18-pin connector, black

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

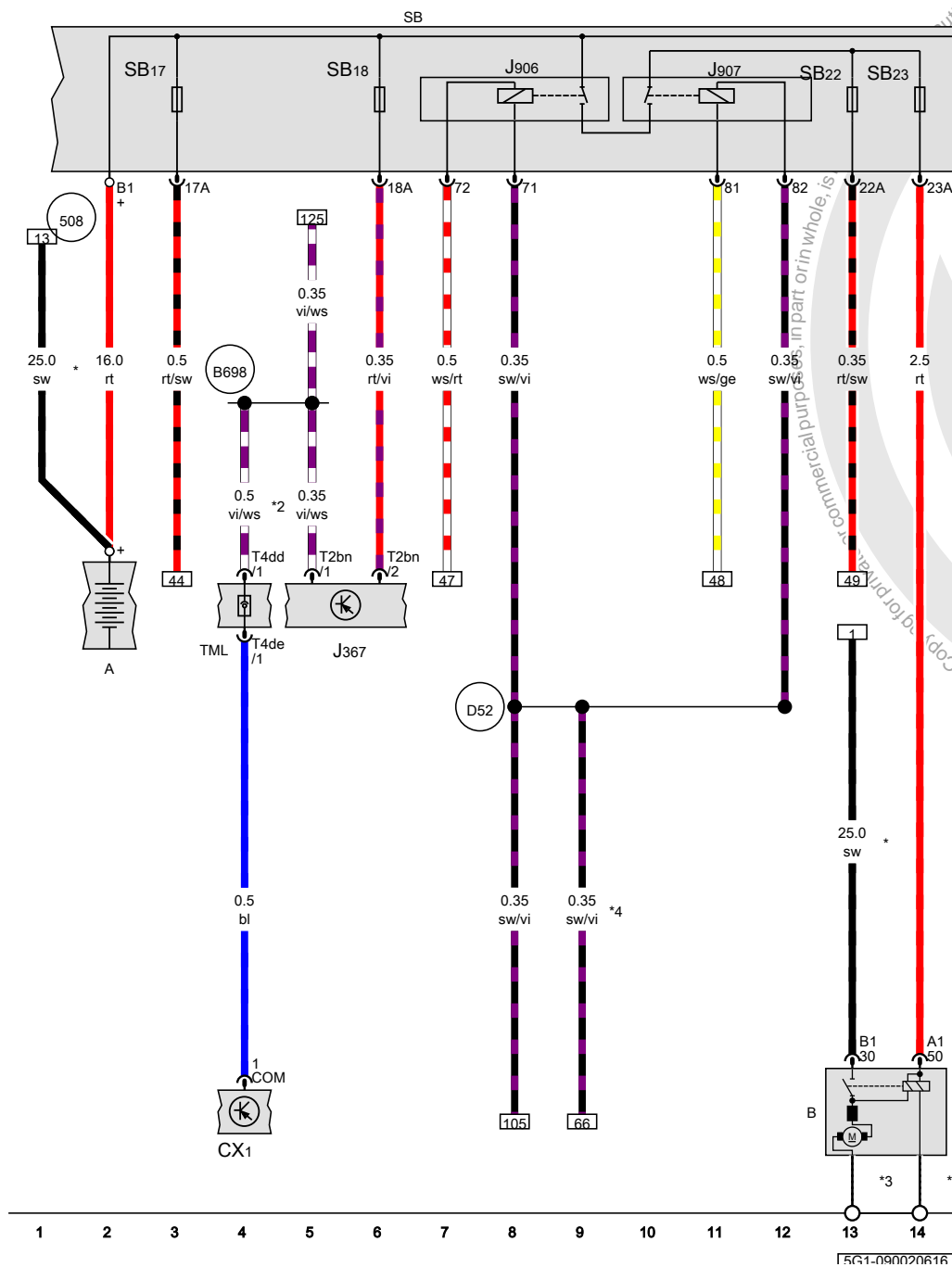


- ws = white
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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.4l petrol engine , CPVB

From May 2015

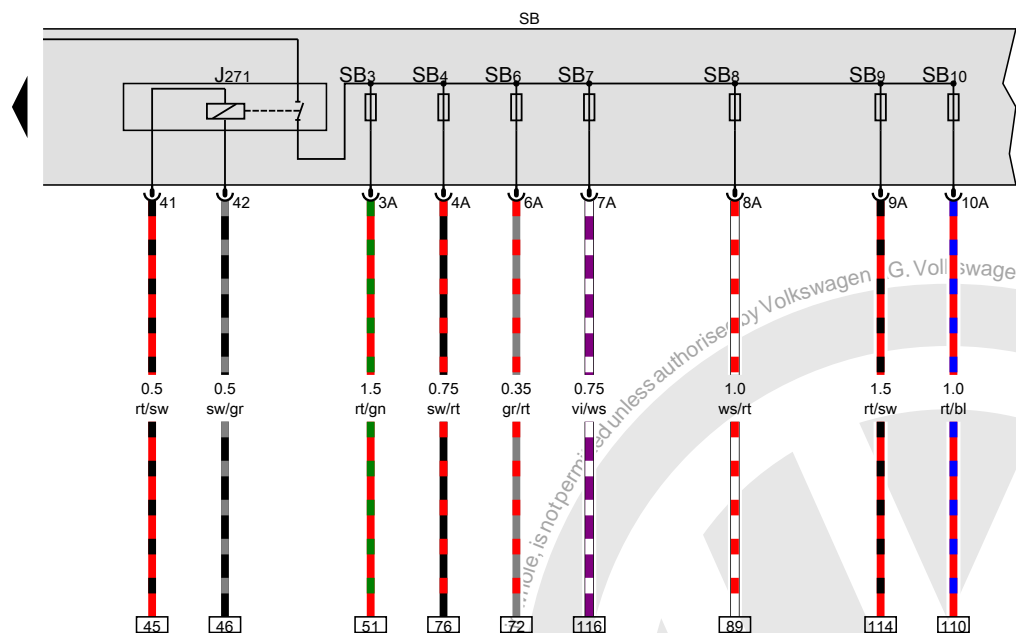




Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a) in engine compartment wiring harness
- *2 Cross-section 35.0 possible
- *3 Cross section depends on equipment
- *4 Earth supply via housing
- *4 Only models with manual gearbox

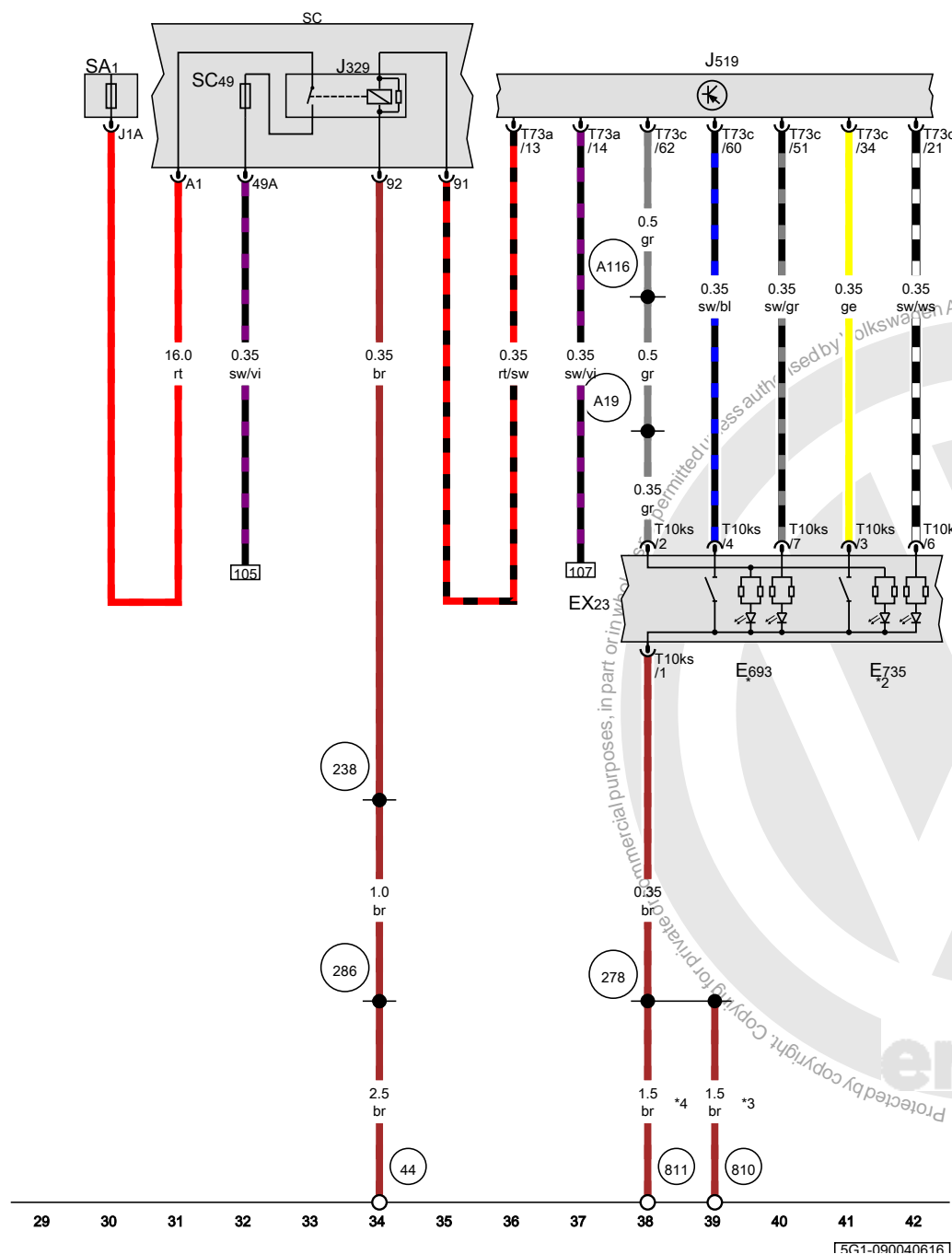
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * Only models with start/stop system
- *2 According to equipment
- *3 Only left-hand drive models
- *4 Only right-hand drive models

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine control unit

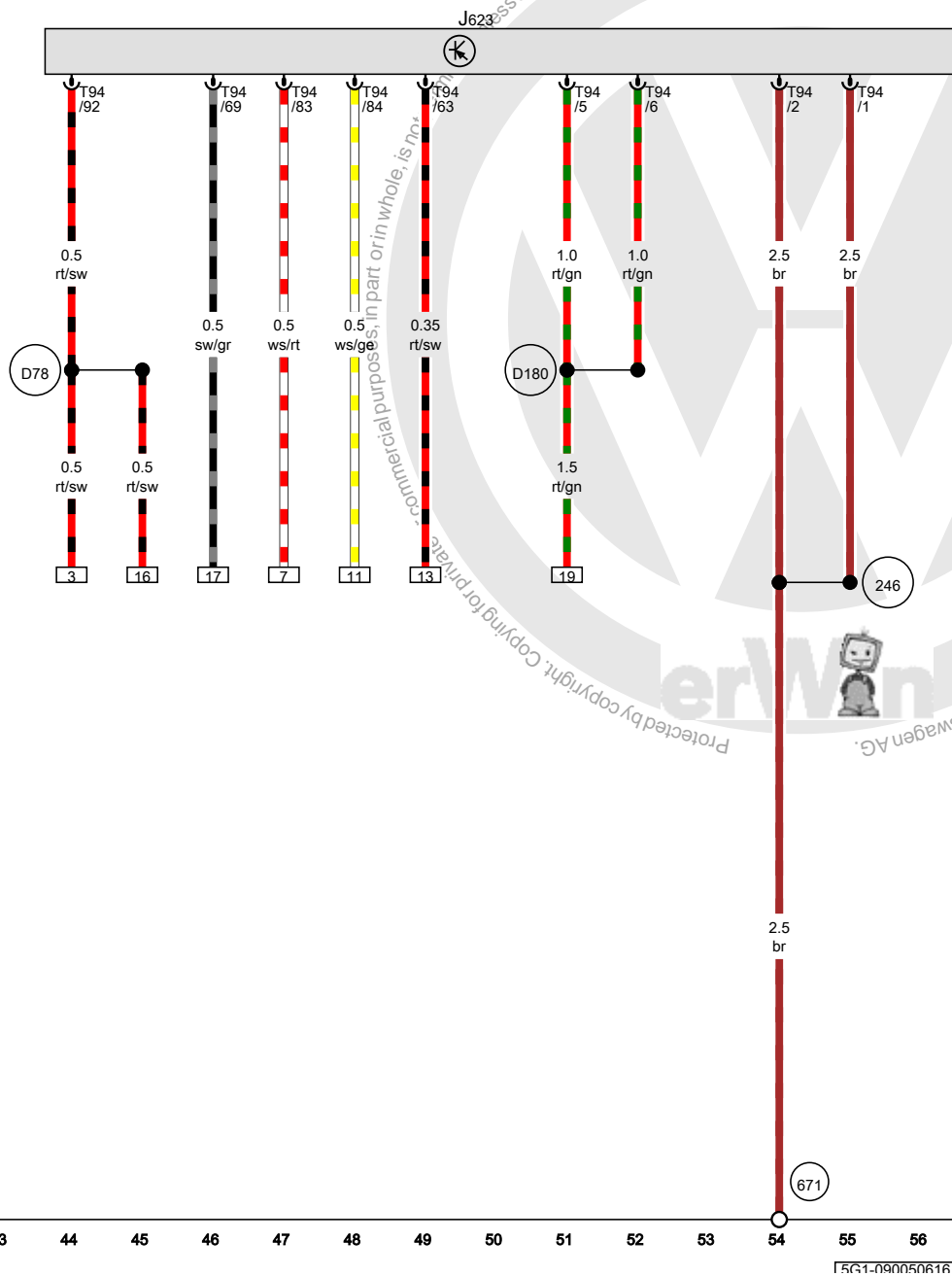
J623 Engine control unit
T94 94-pin connector

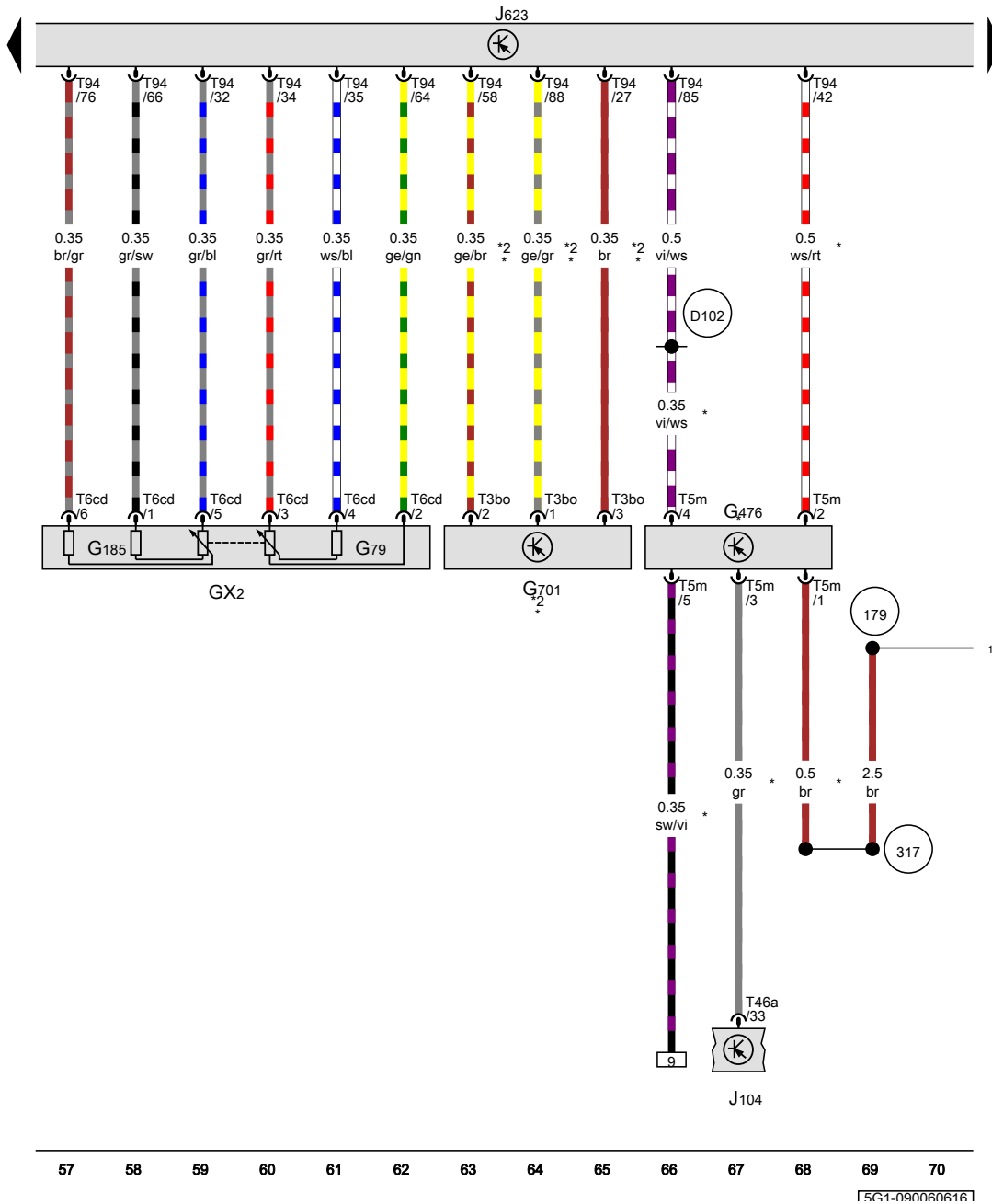
246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



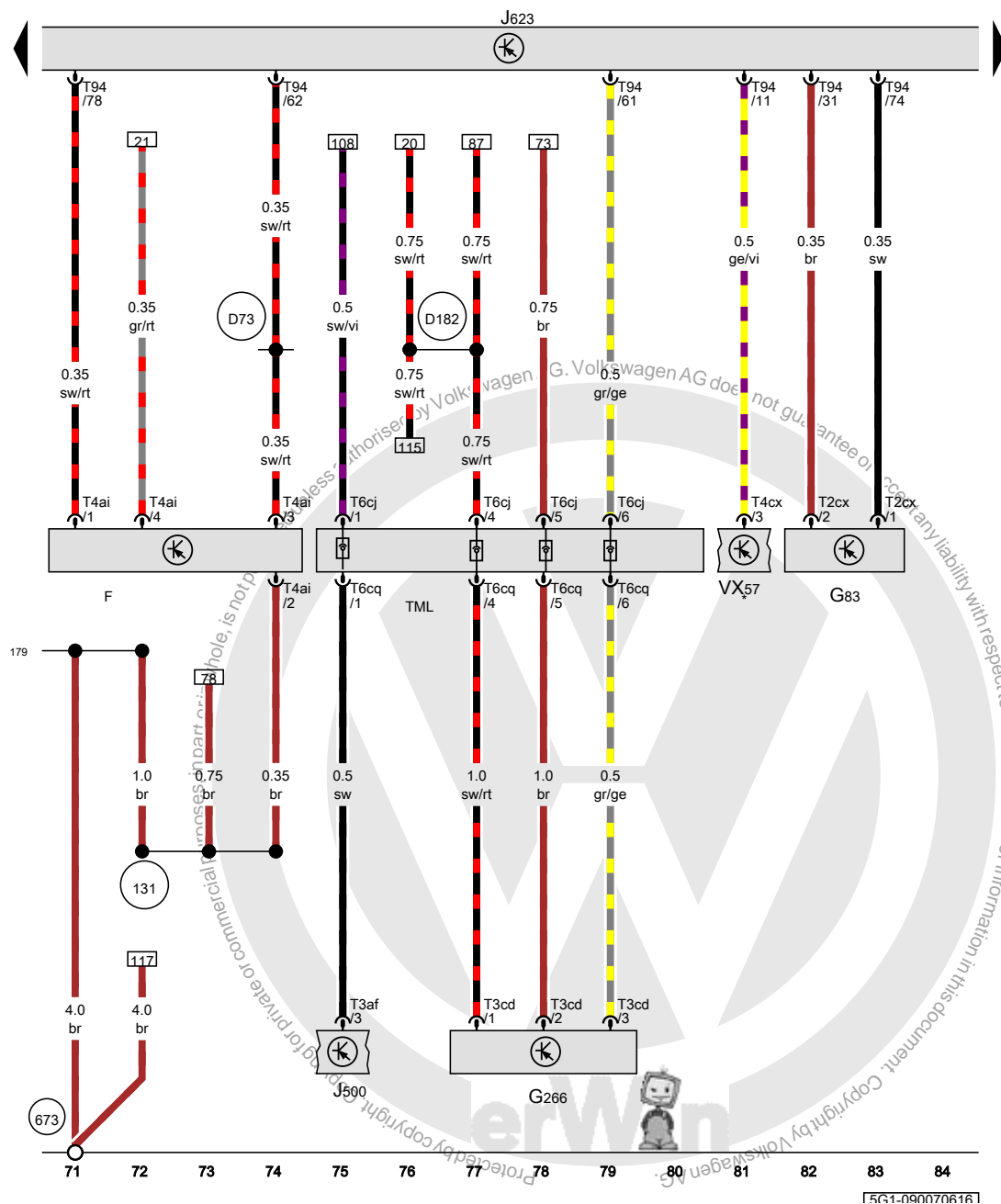


Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with start/stop system

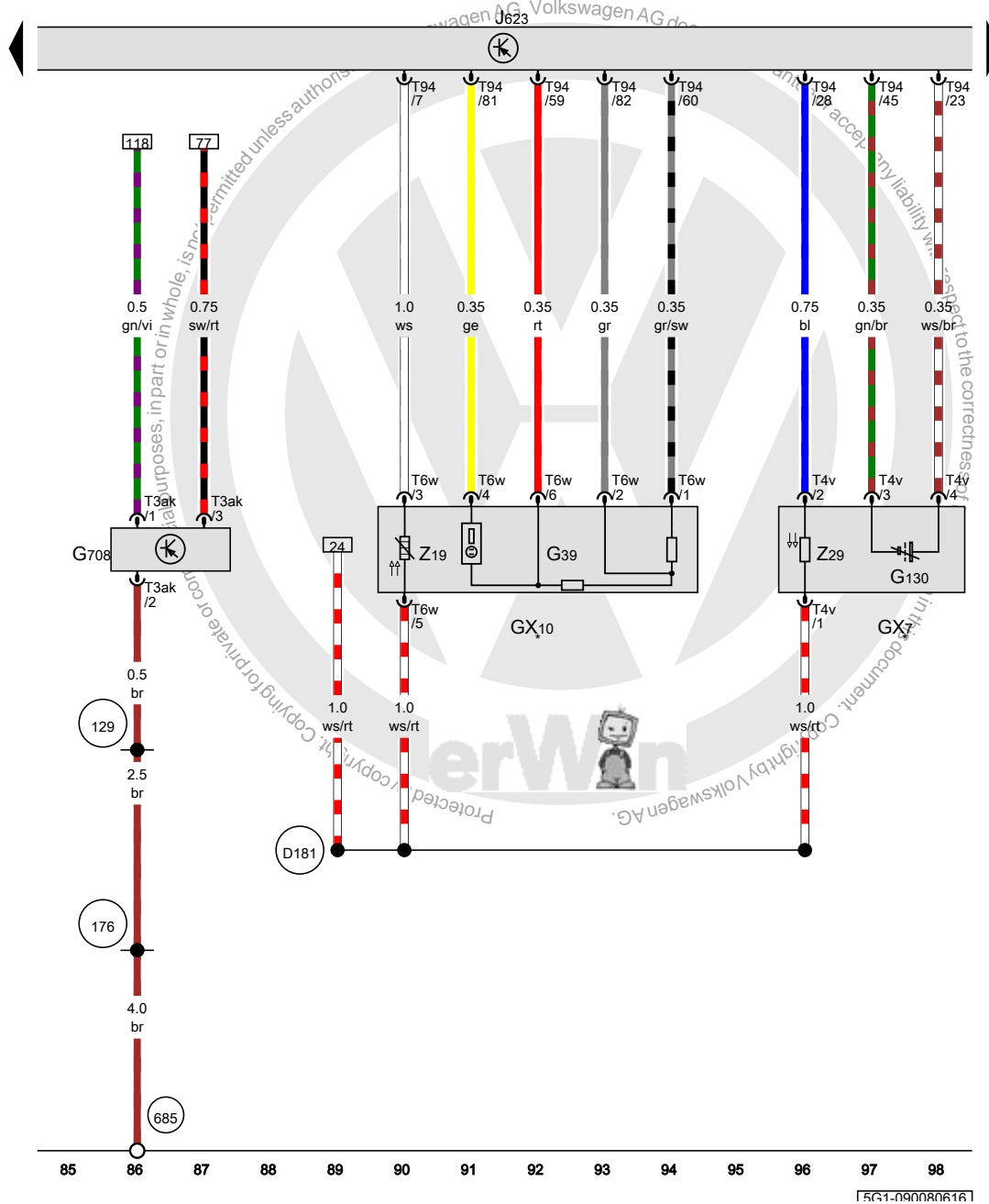
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- ge = yellow
- or = orange
- rs = pink



Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component

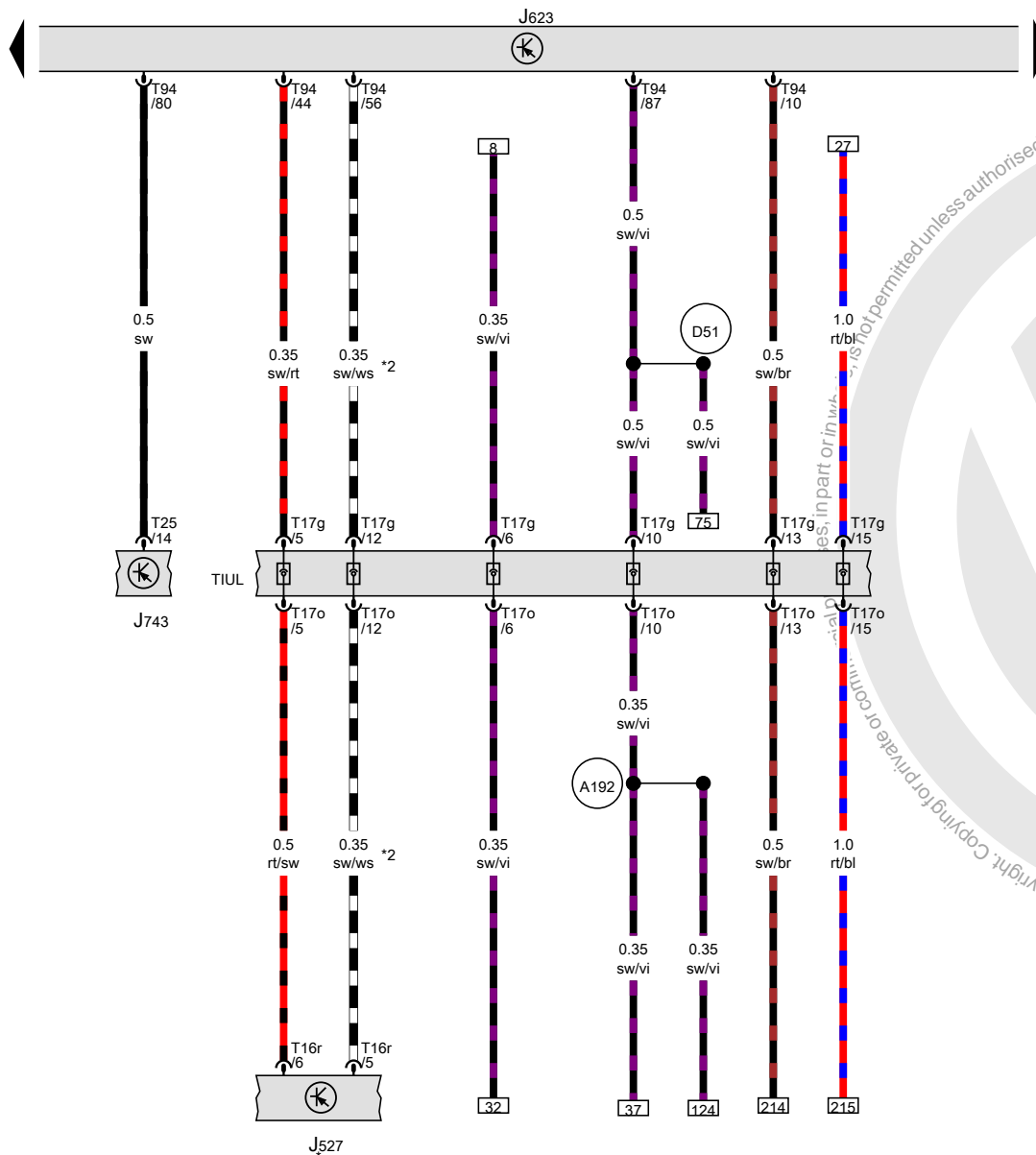
- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Ethanol concentration sender, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G708 Ethanol concentration sender
- J623 Engine control unit
- T3ak 3-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1 at front of right longitudinal member
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component

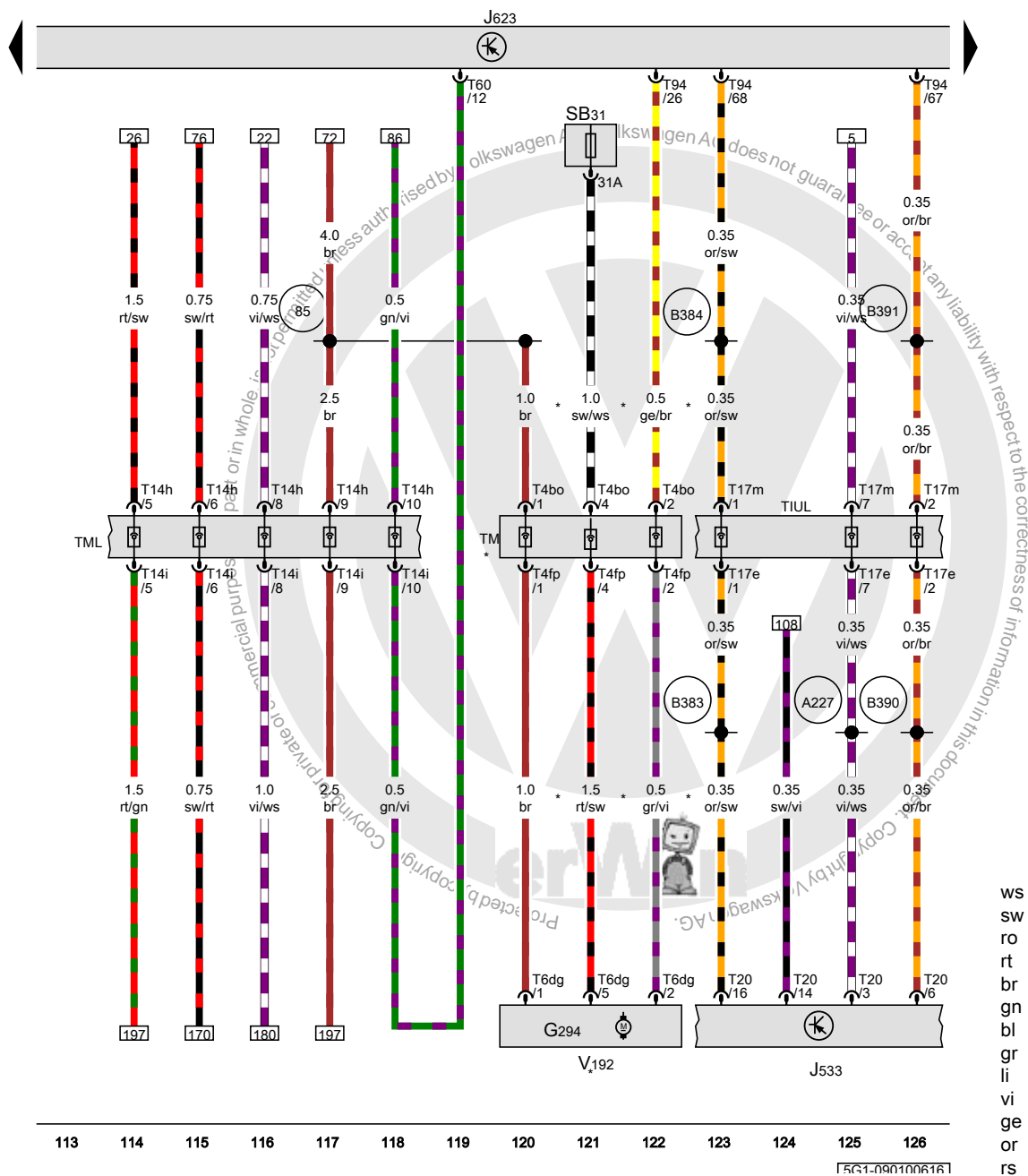
Steering column electronics control unit, Engine control unit,
Mechatronic unit for dual clutch gearbox



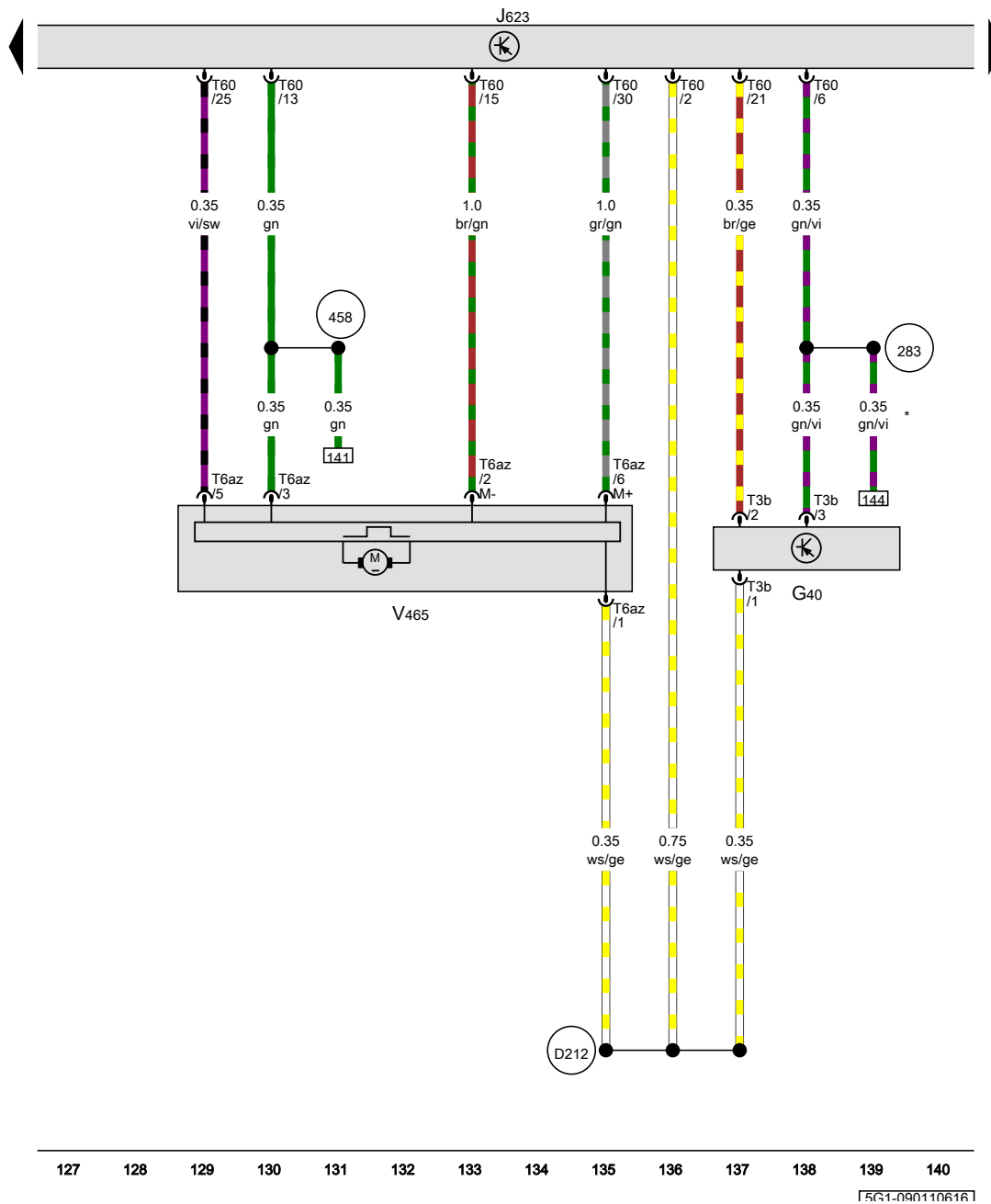
- J527 Steering column electronics control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 Only models with cruise control system (CCS)

ws = white
sw = black
ro = red
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rs = pink

Data bus diagnostic interface, Engine control unit, Coupling point in engine compartment, Vacuum pump for brakes

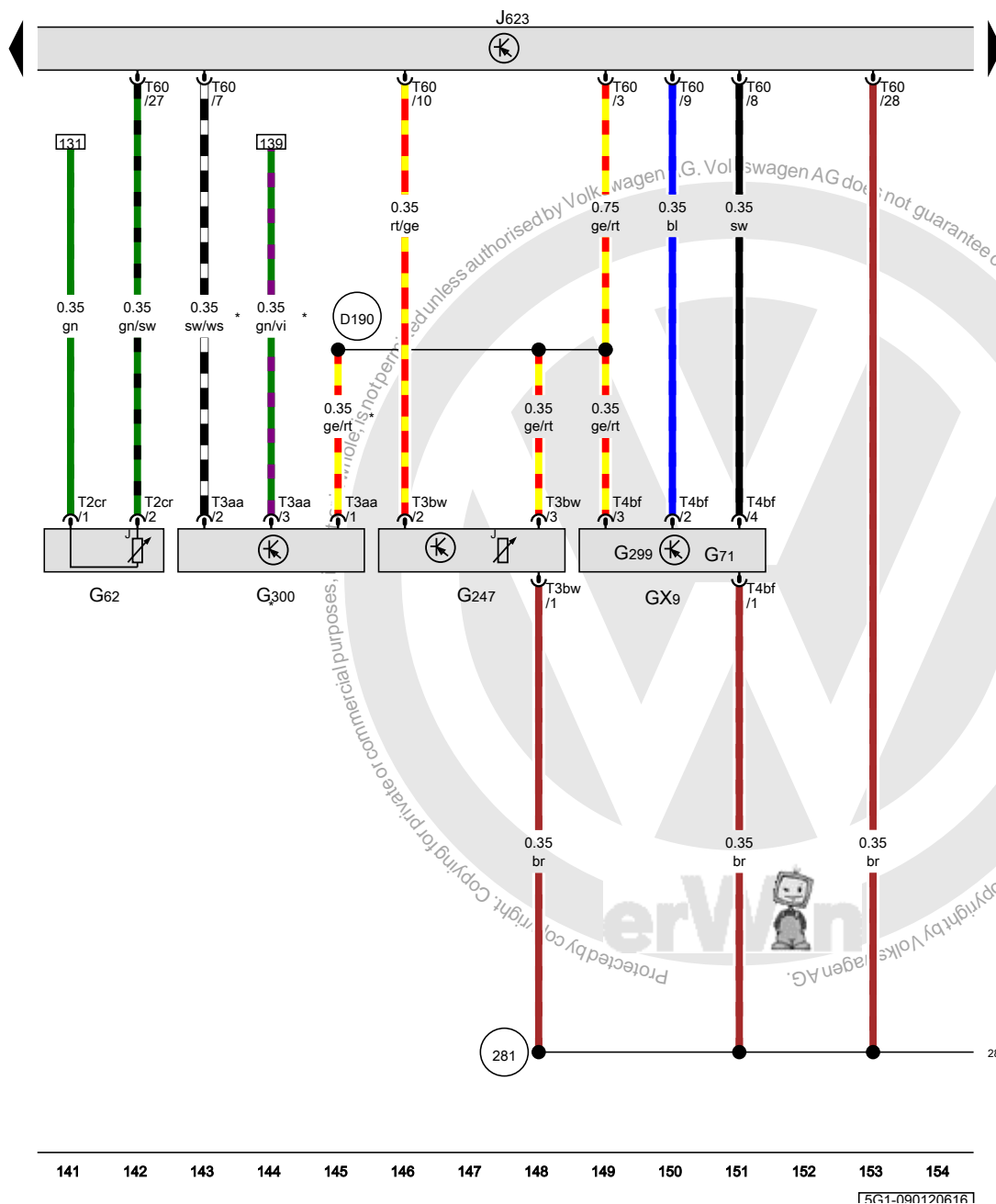


Hall sender, Engine control unit, Charge pressure positioner



- G40 Hall sender
- J623 Engine control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



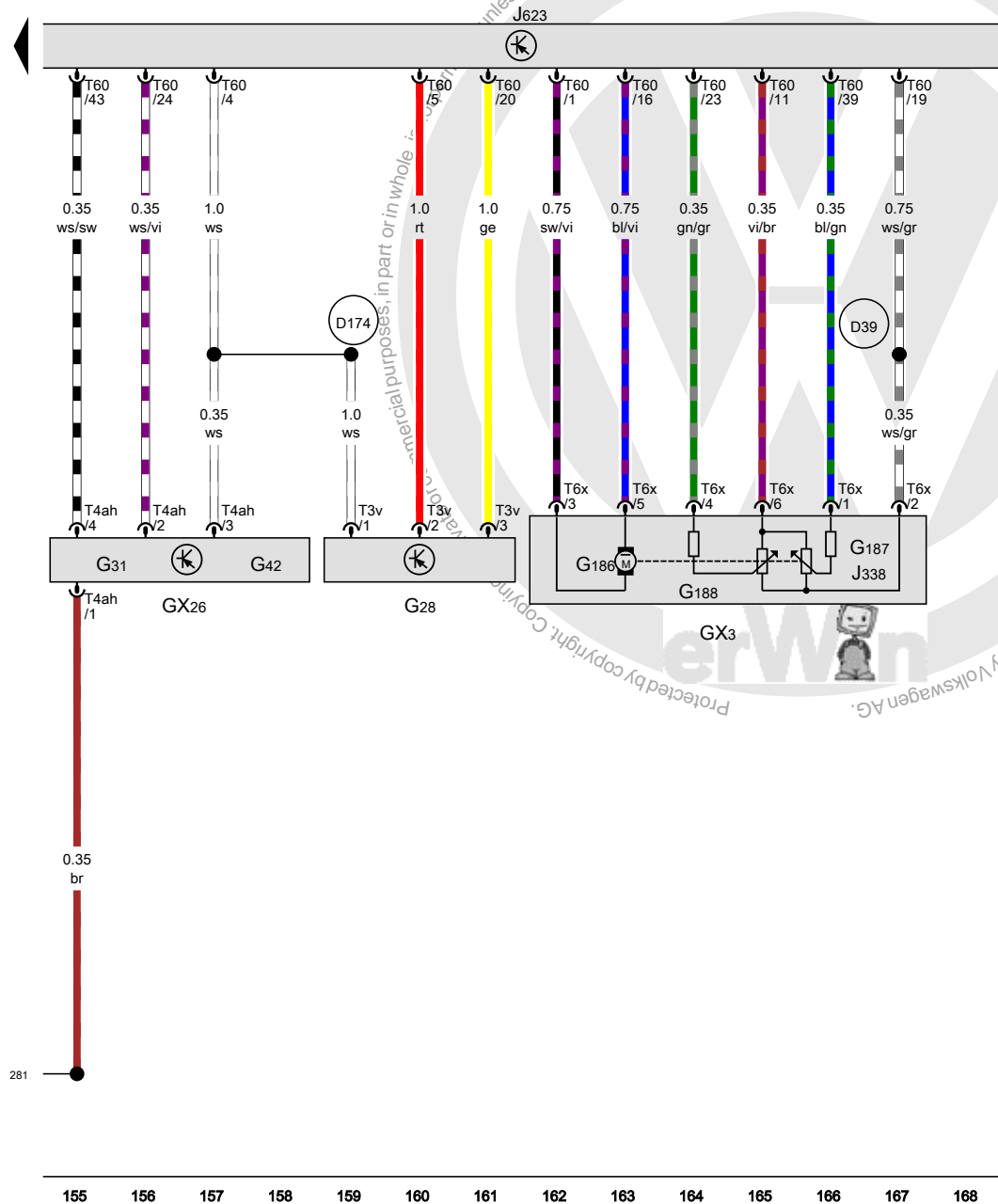
Intake manifold sender, Coolant temperature sender, Intake manifold pressure sender, Fuel pressure sender, Engine control unit

- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine control unit
- T2cr 2-pin connector
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

* According to equipment

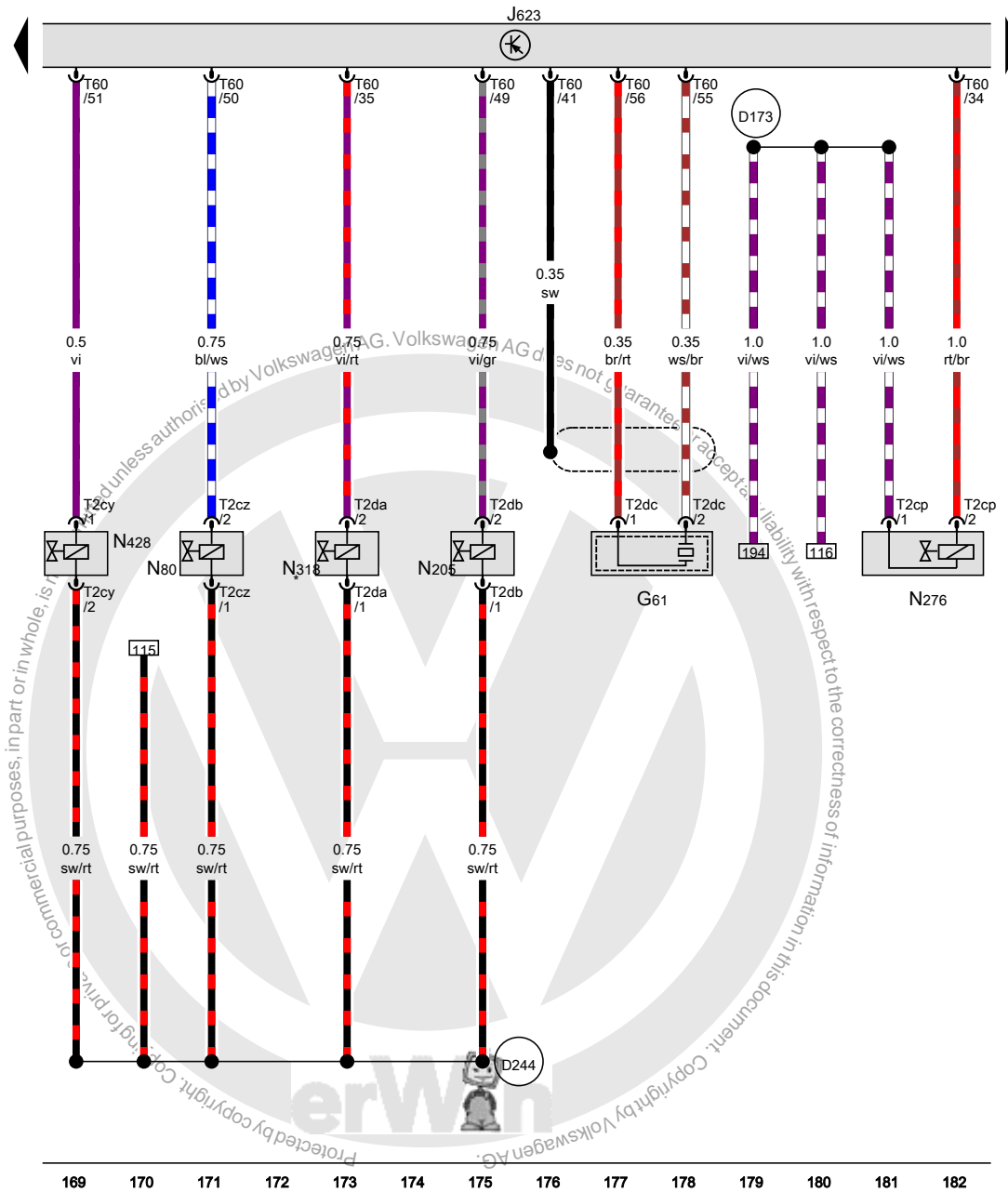


Throttle valve module, Engine speed sender, Charge pressure sender, Engine control unit

- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 281 Earth point 1, engine prewiring harness
- D39 Connection 1, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

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- ro = red
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- gn = green
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- gr = grey
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Knock sensor 1, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

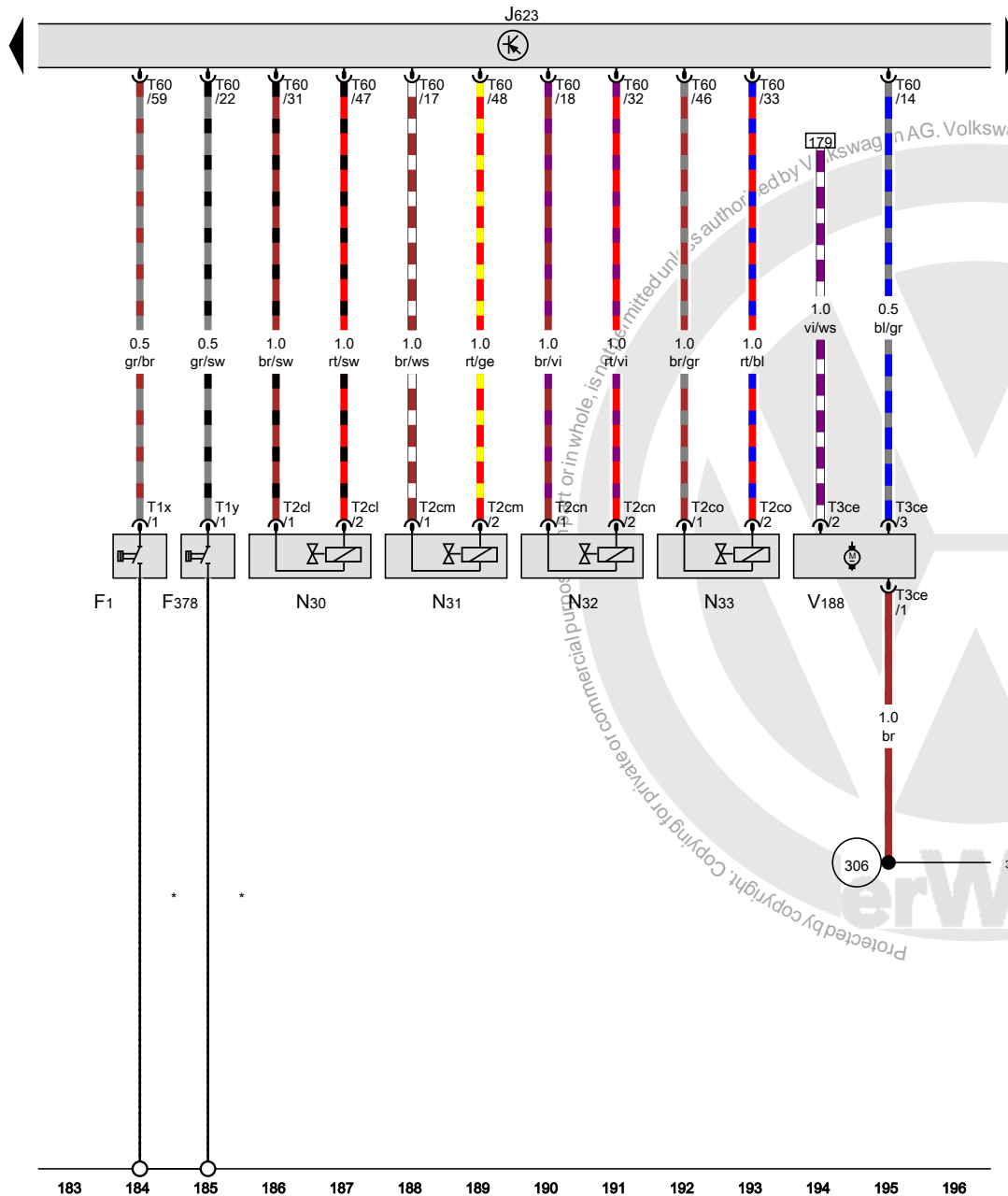
- G61 Knock sensor 1
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment

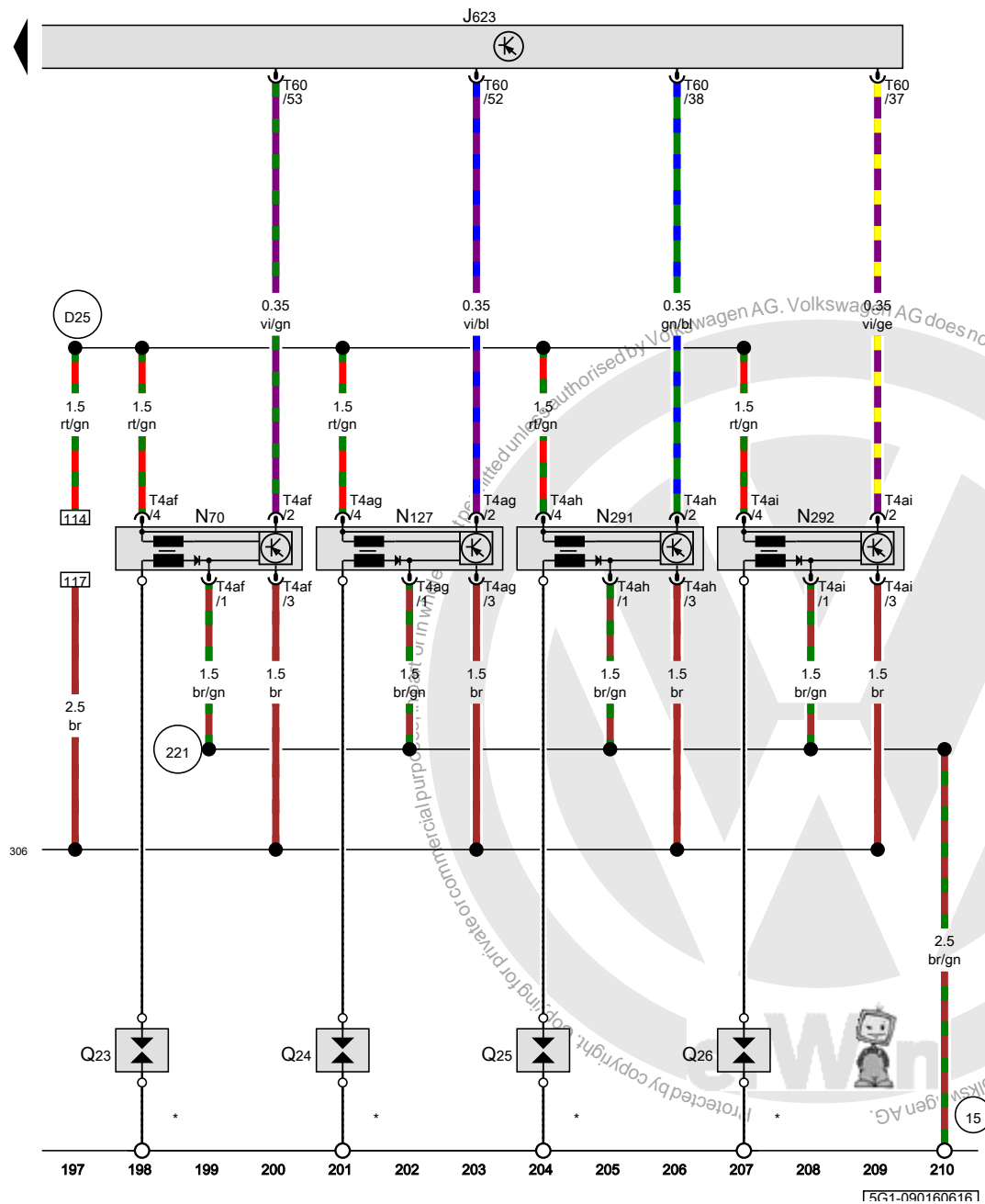
- ws = white
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Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x Single connector
- T1y Single connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- * Earth supply via housing

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 ro = red
 rt = red
 br = brown
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 gr = grey
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 vi = purple
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 rs = pink



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

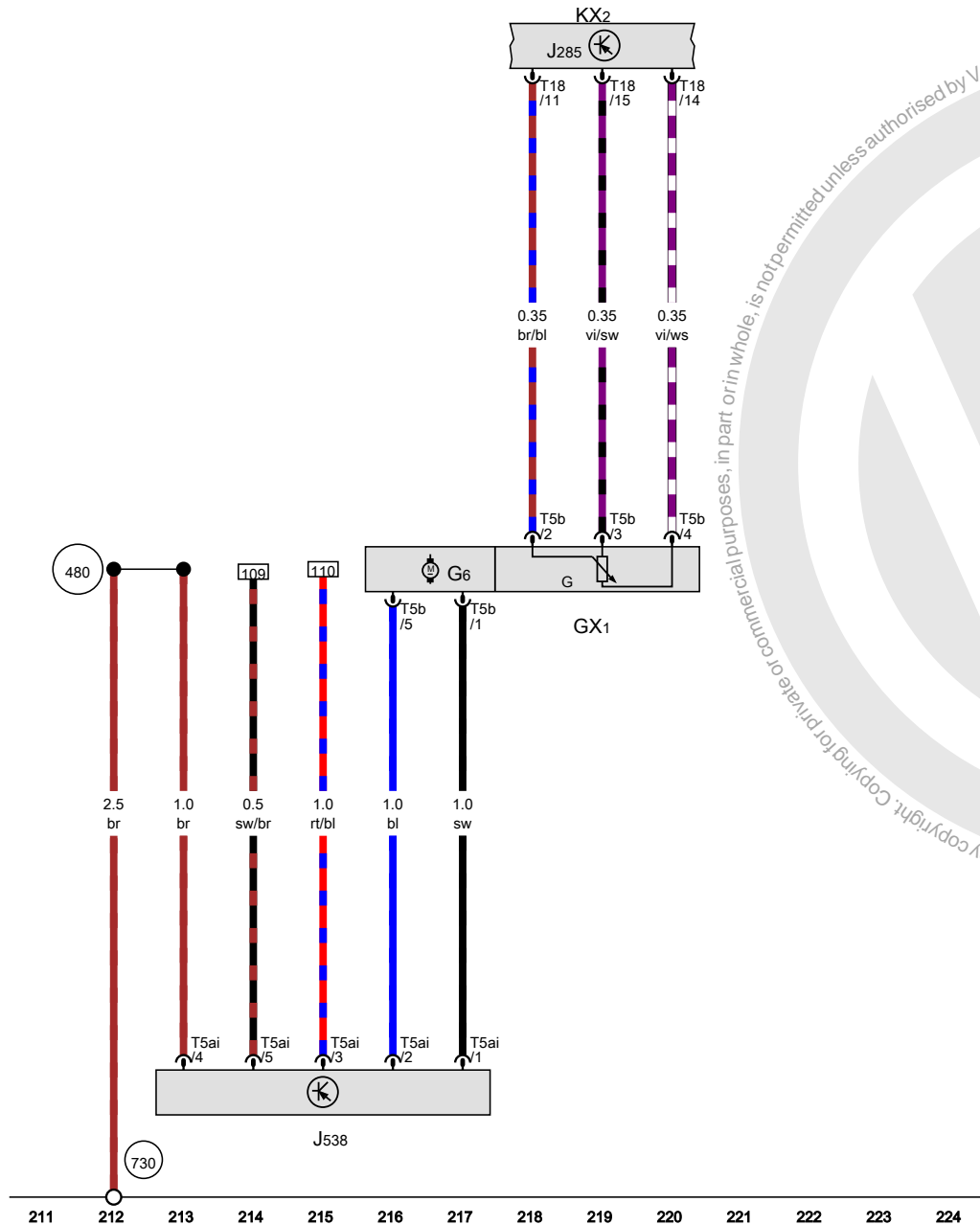
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- bl = blue
- gr = grey
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

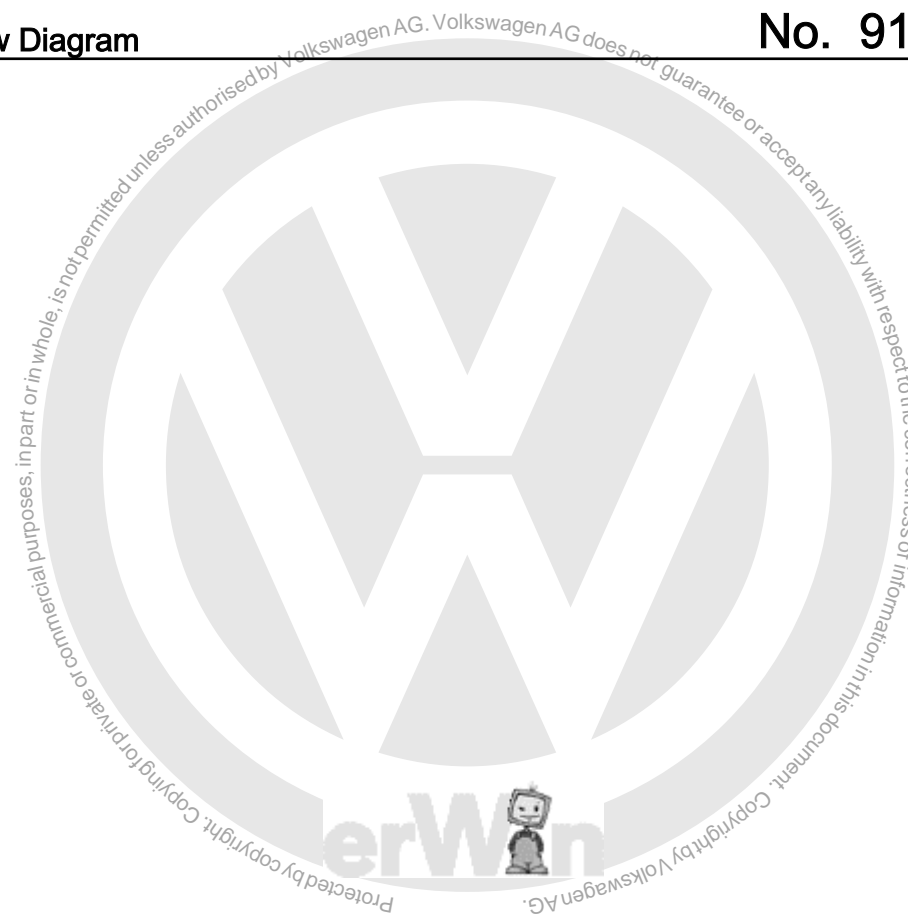
730 Earth point 1, on right rear wheel housing



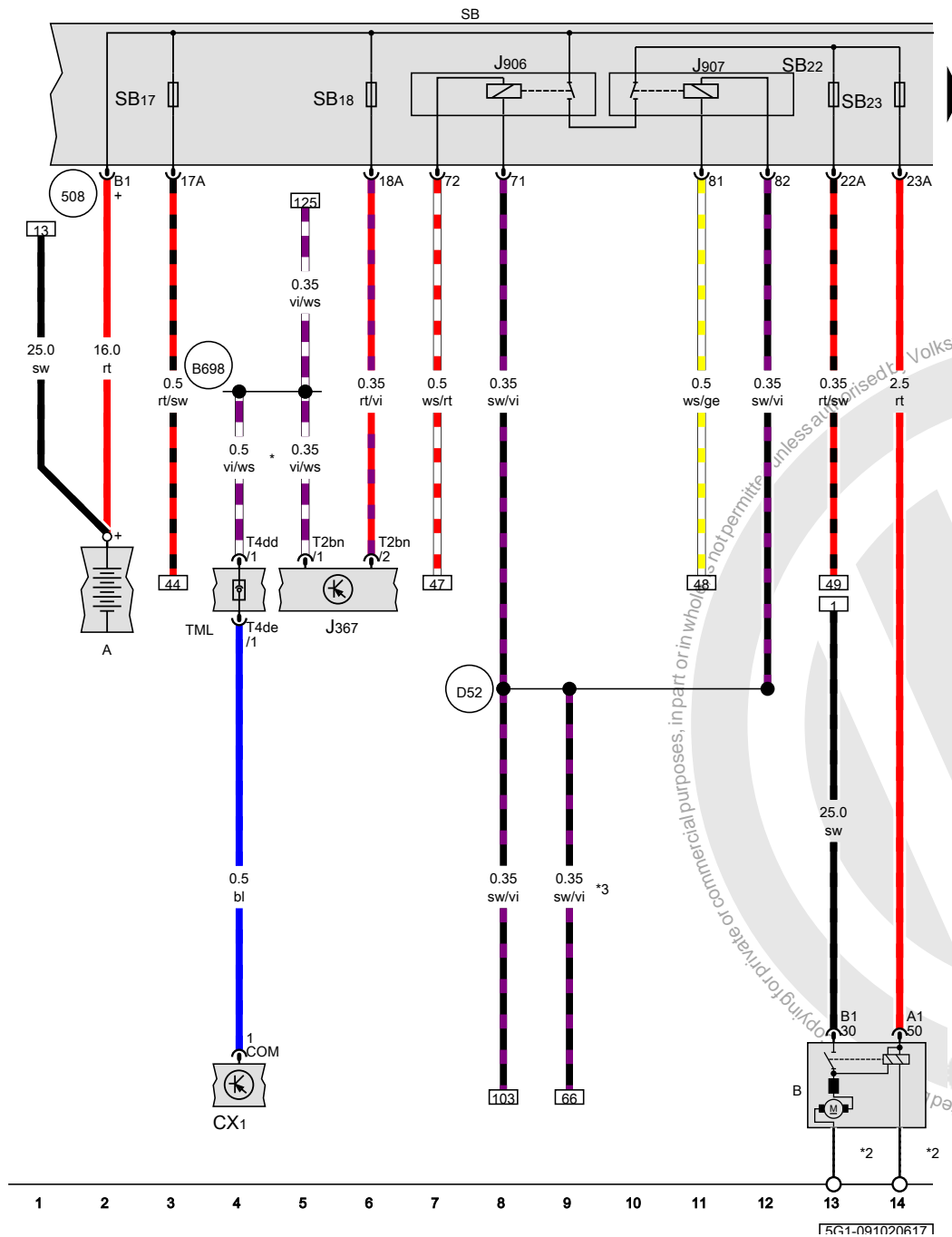
15G1-090170616

1.4l petrol engine , CPTA,CZEA

From May 2015



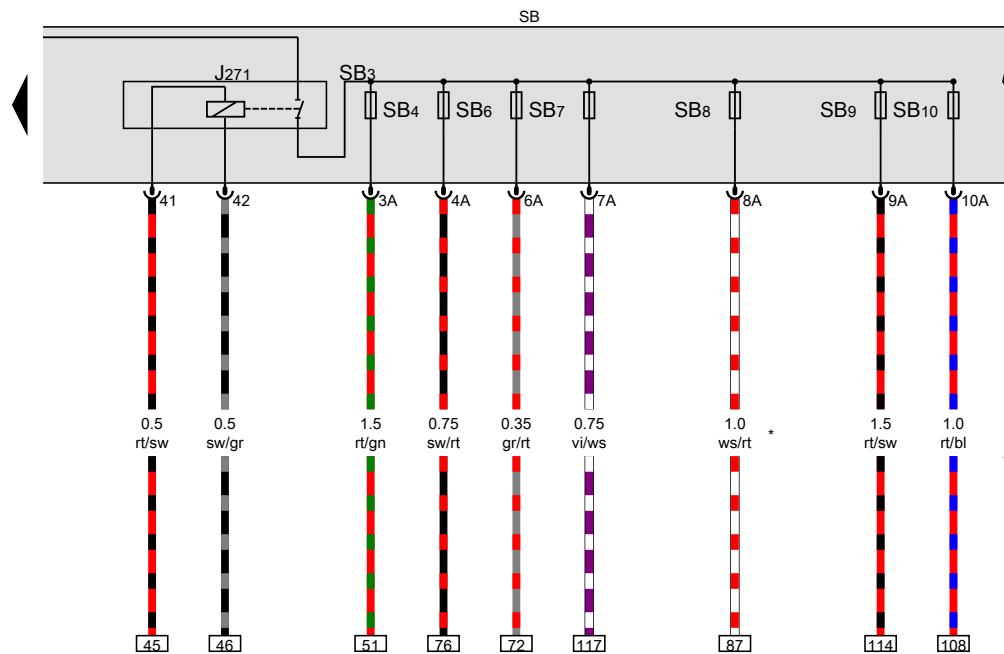
Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B



- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross section depends on equipment
- *2 Earth supply via housing
- *3 For models with manual gearbox

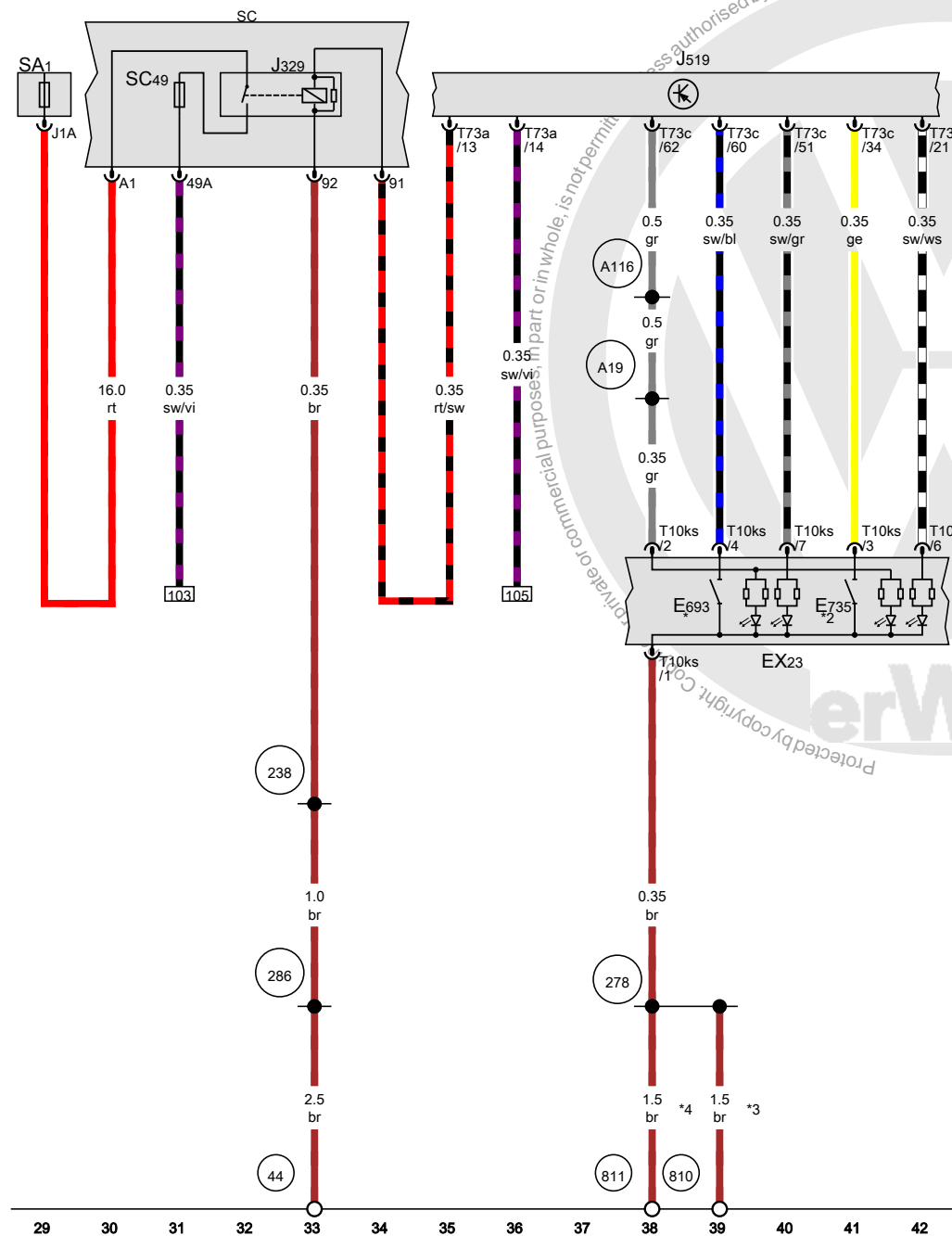
- ws = white
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Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment

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Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

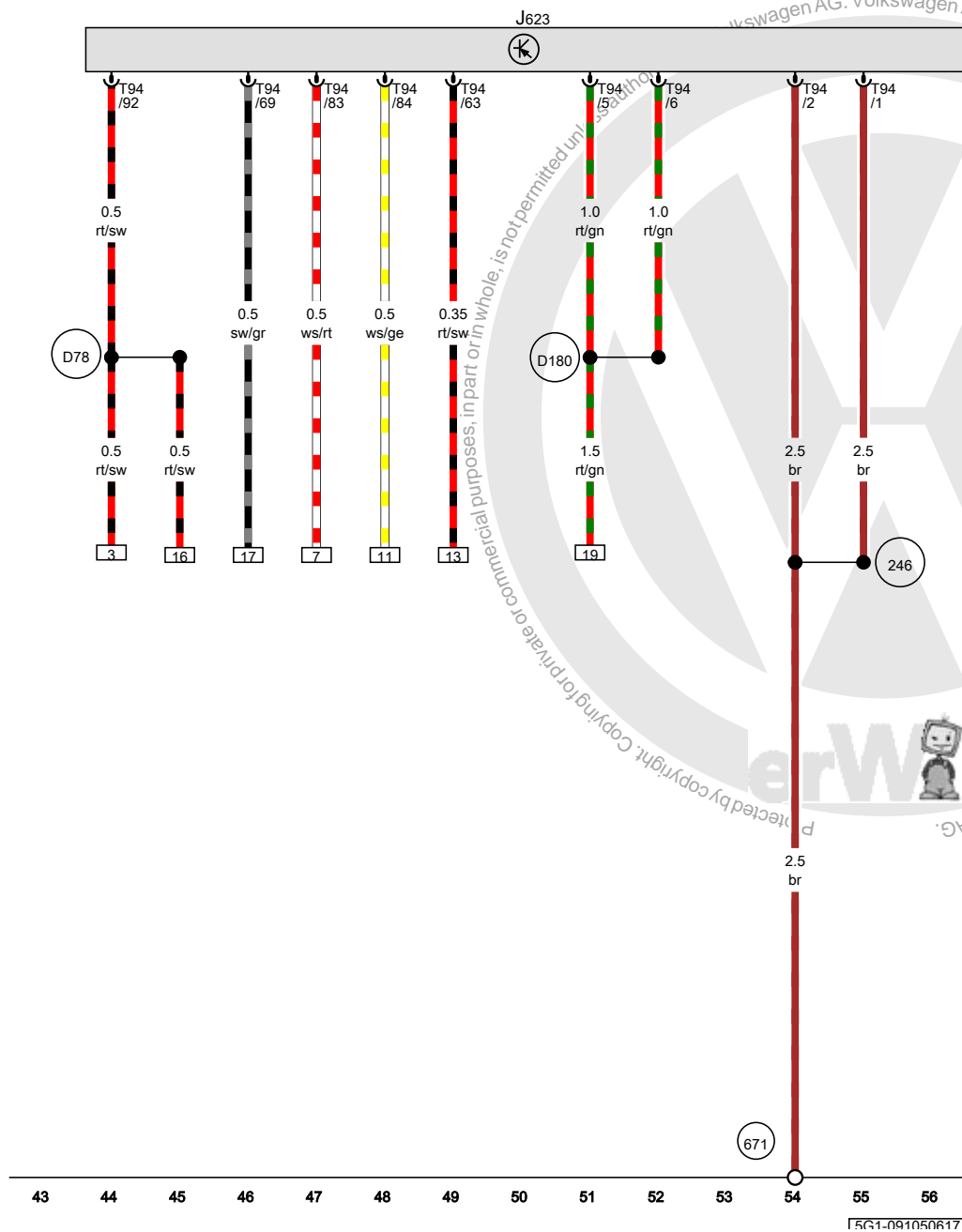
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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 rs = pink

Engine/motor control unit

- J623 Engine/motor control unit
- T94 94-pin connector
- (246) Earth connection (control unit), in engine wiring harness
- (671) Earth point 1, on front of left longitudinal member
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- (D180) Connection (87a), in engine compartment wiring harness



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- br = brown
- gn = green
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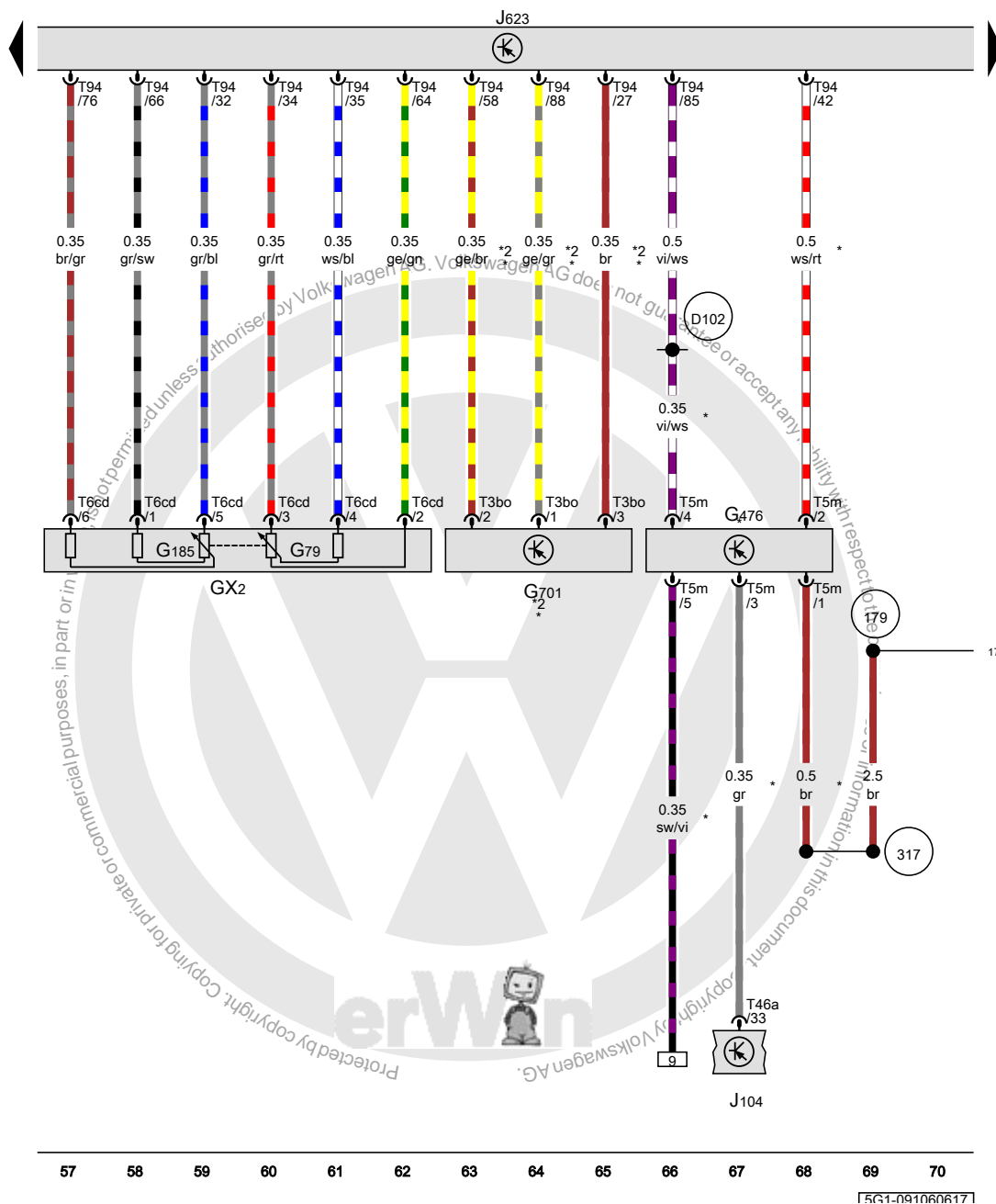
Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit

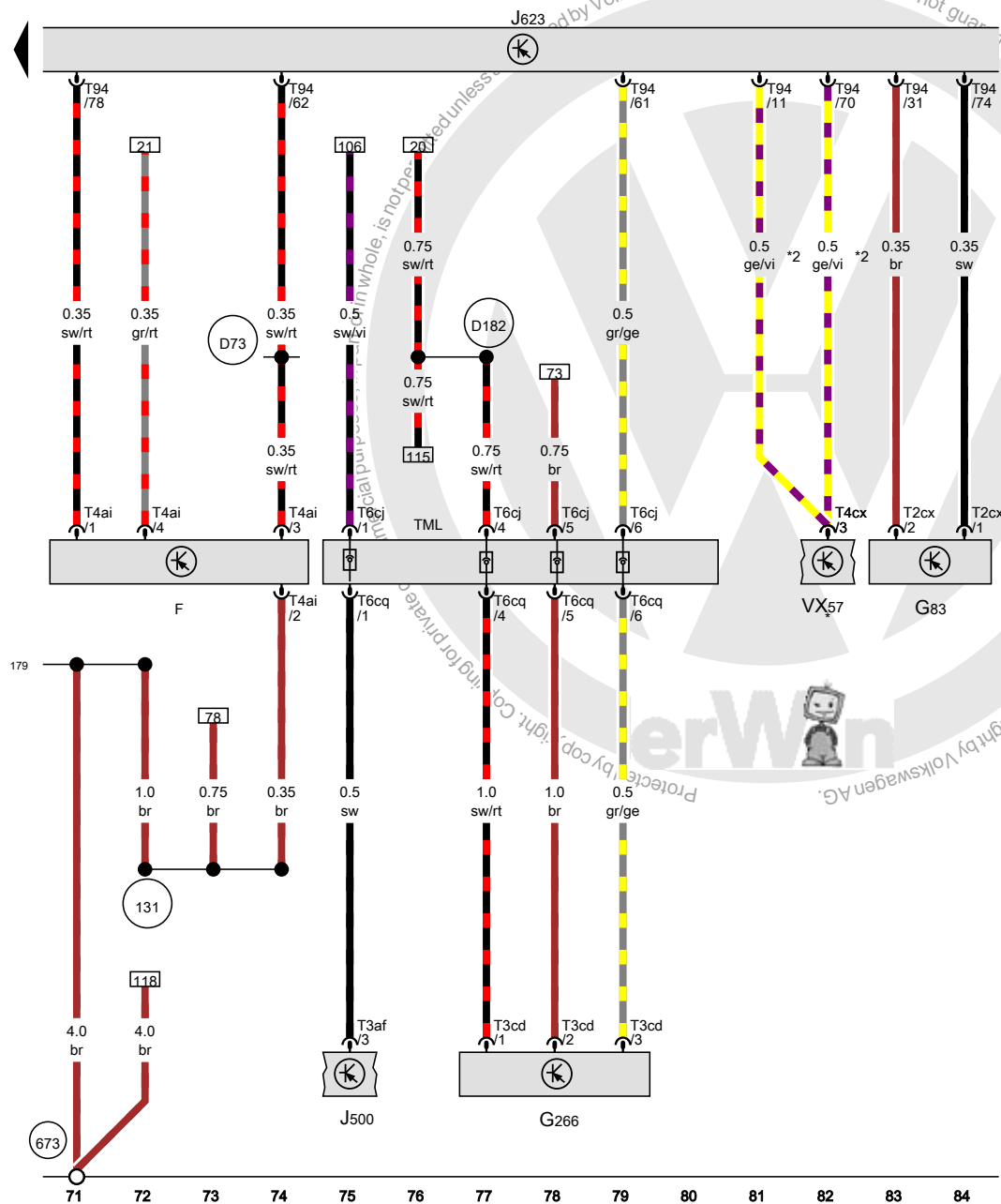
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with start/stop system

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- br = brown
- gn = green
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink





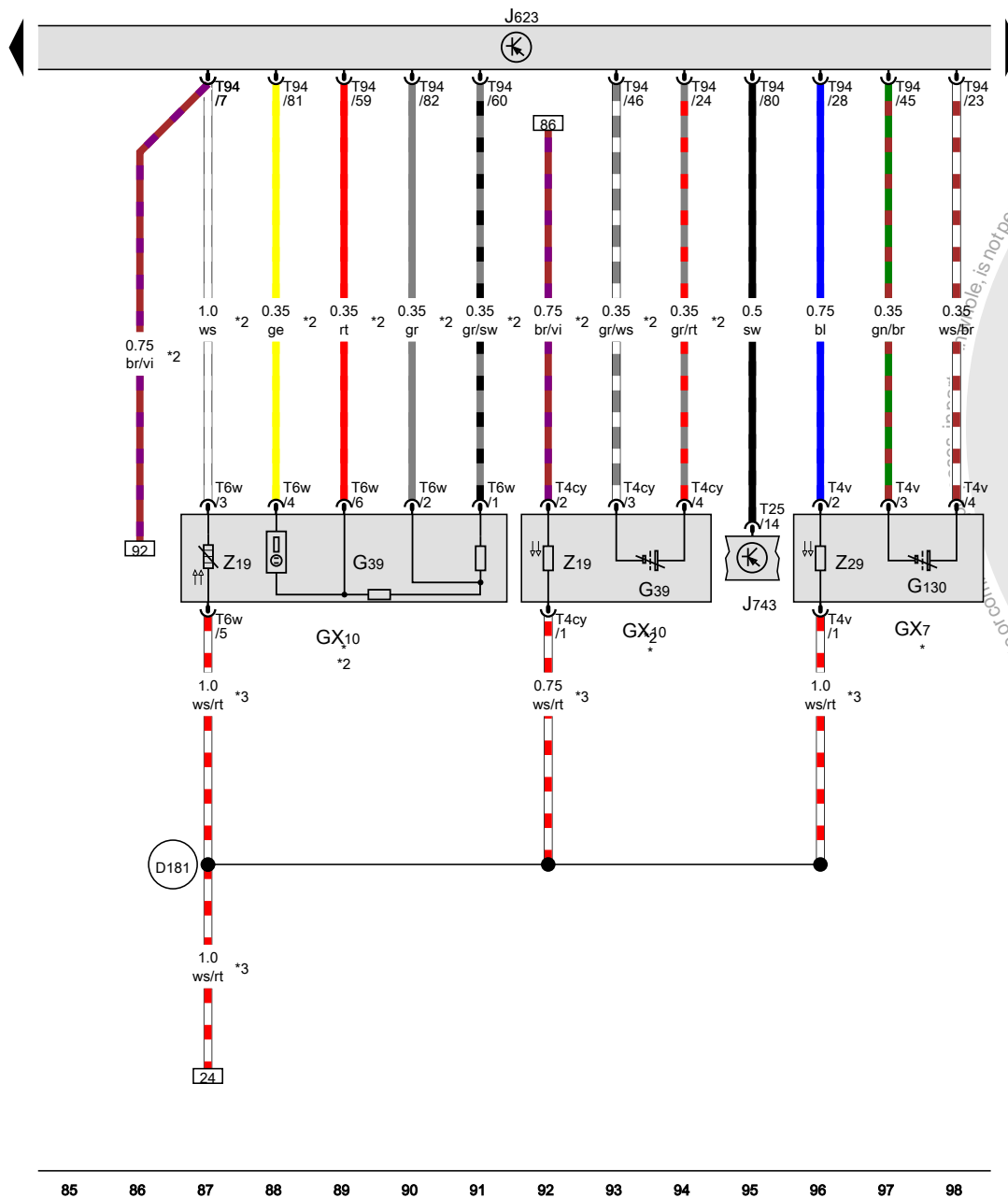
Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

* Pre-wired component
 *2 According to equipment

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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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 rs = pink

15G1-091070617



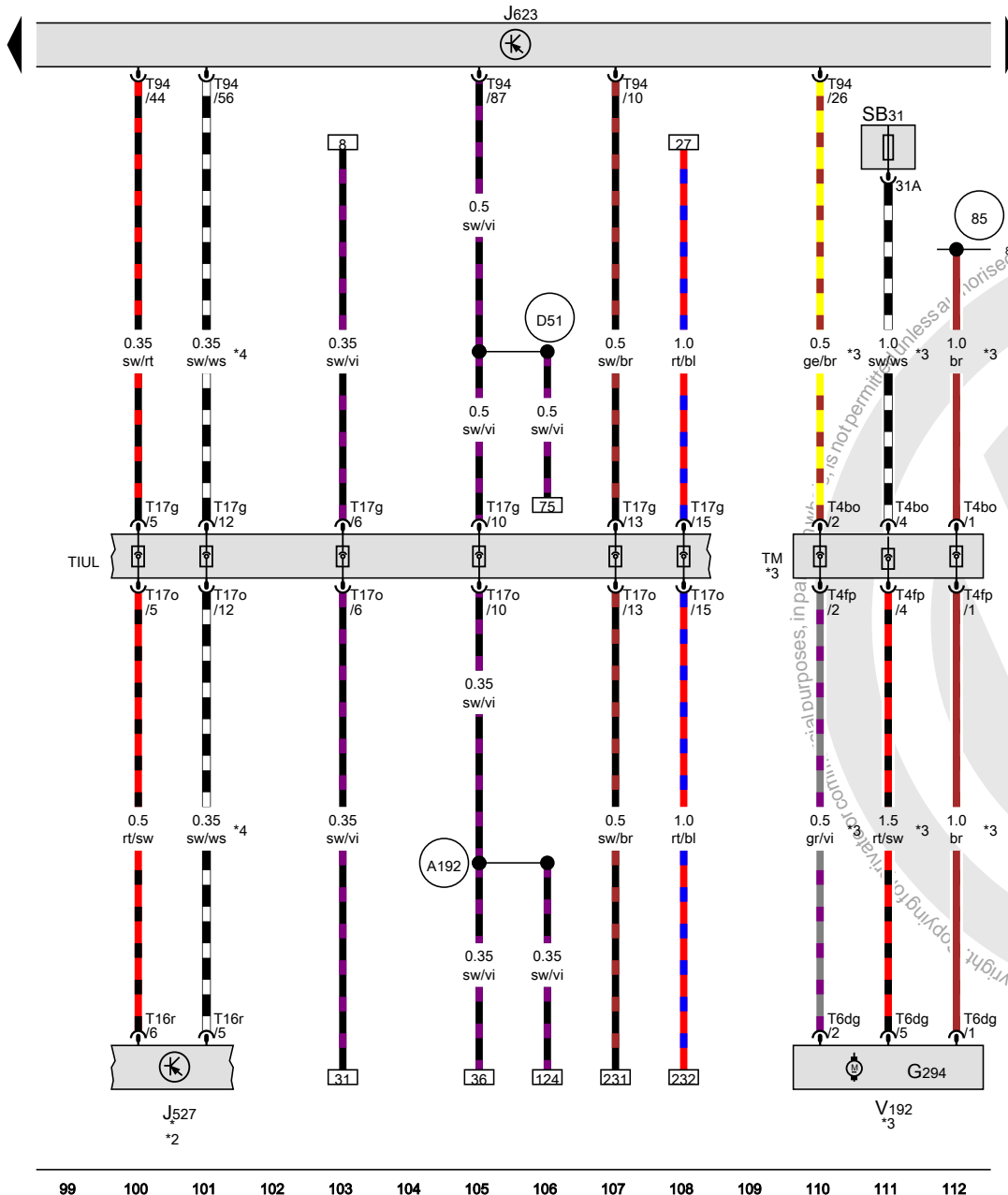
Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4cy 4-pin connector, brown
- T4v 4-pin connector
- T6w 6-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment
- *3 Cross section depends on equipment

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 vi = purple
 ge = yellow
 or = orange
 rs = pink

[5G1-091080617]

Steering column electronics control unit, Engine/motor control unit, Coupling point in engine compartment, Vacuum pump for brakes



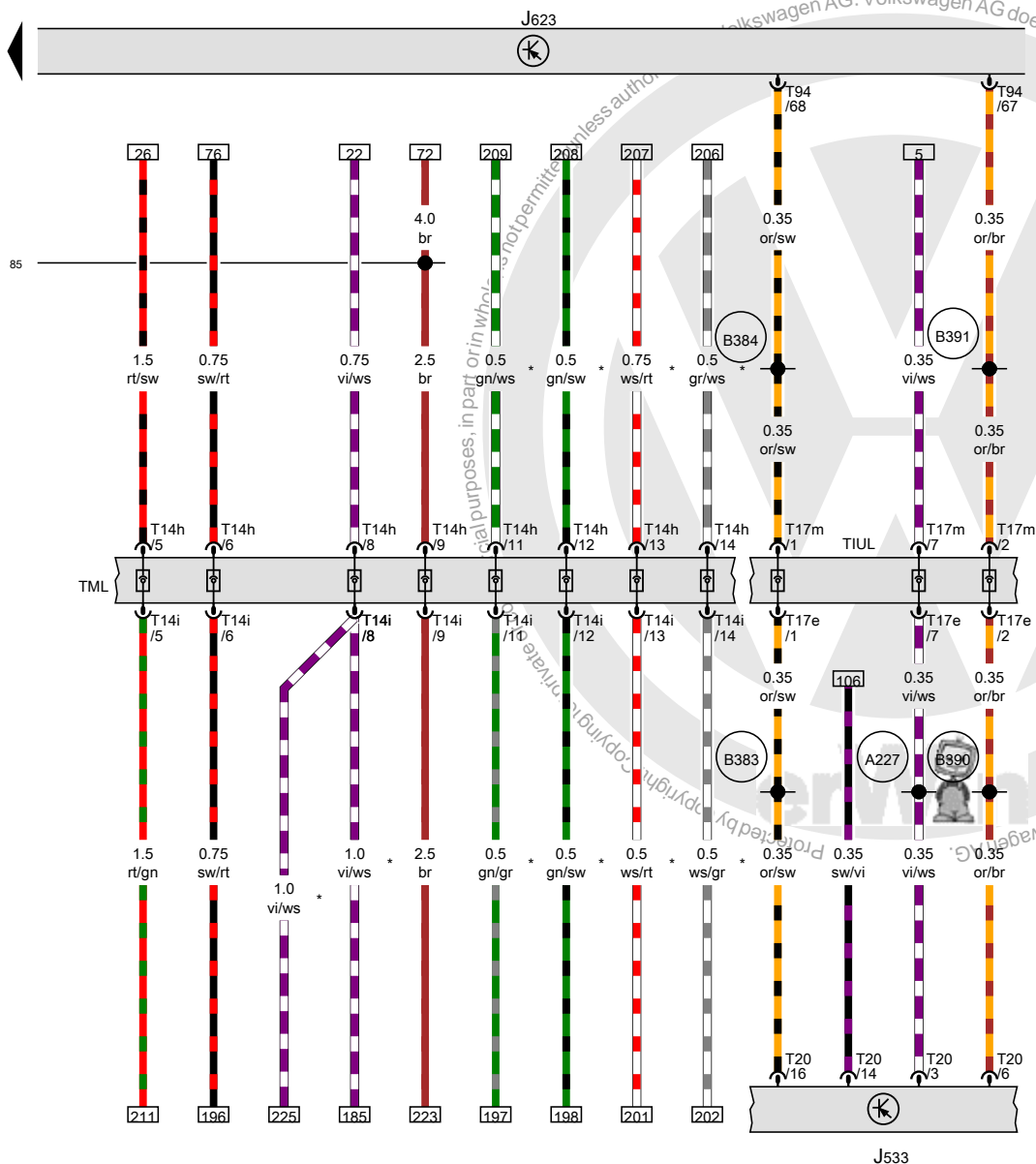
- G294 Brake servo pressure sensor
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T16r 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 For models with equipment for Japan
- *4 For models with cruise control system (CCS)

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- rt = red
- br = brown
- gn = green
- bl = blue
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- vi = purple
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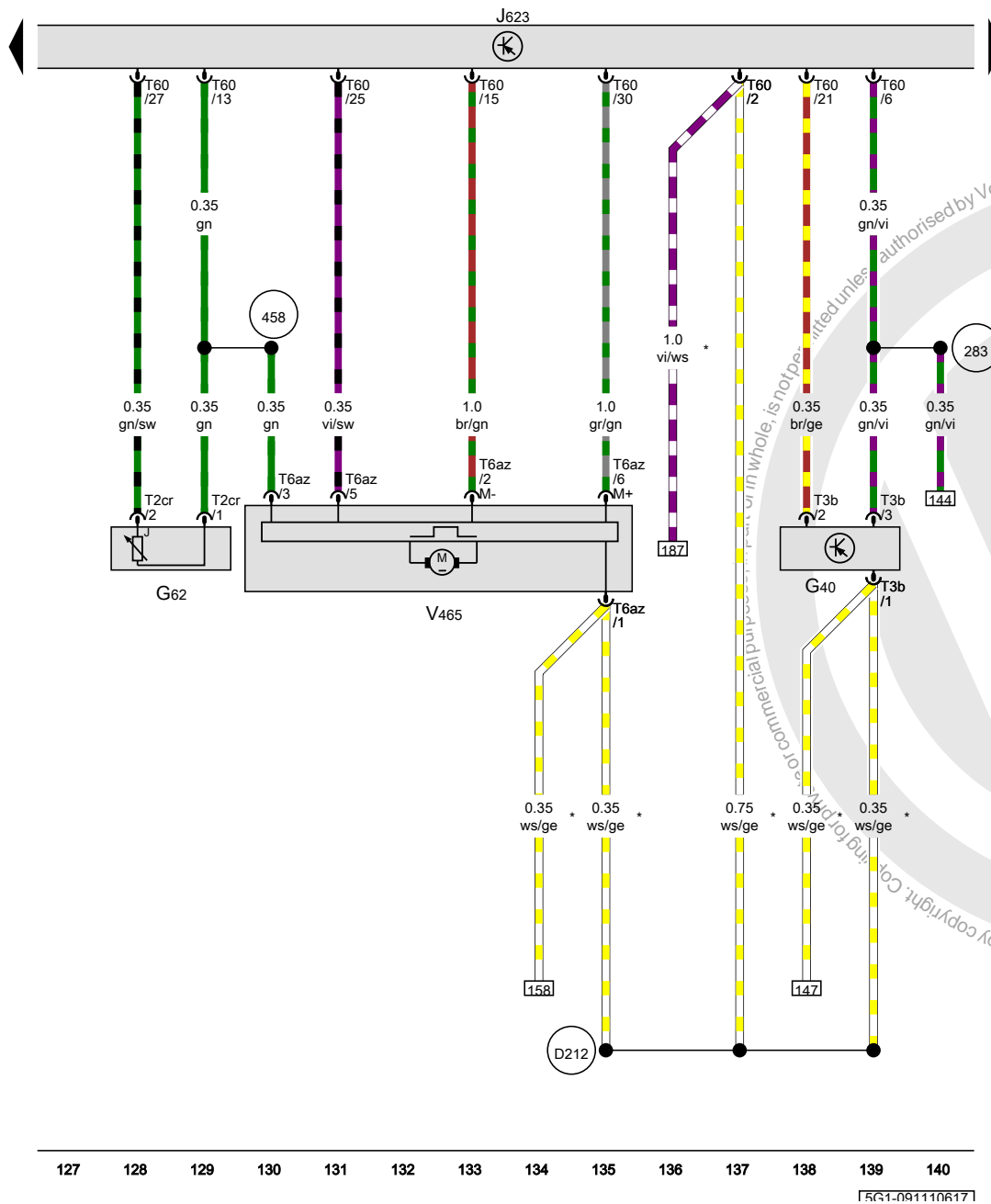


Data bus diagnostic interface, Engine/motor control unit



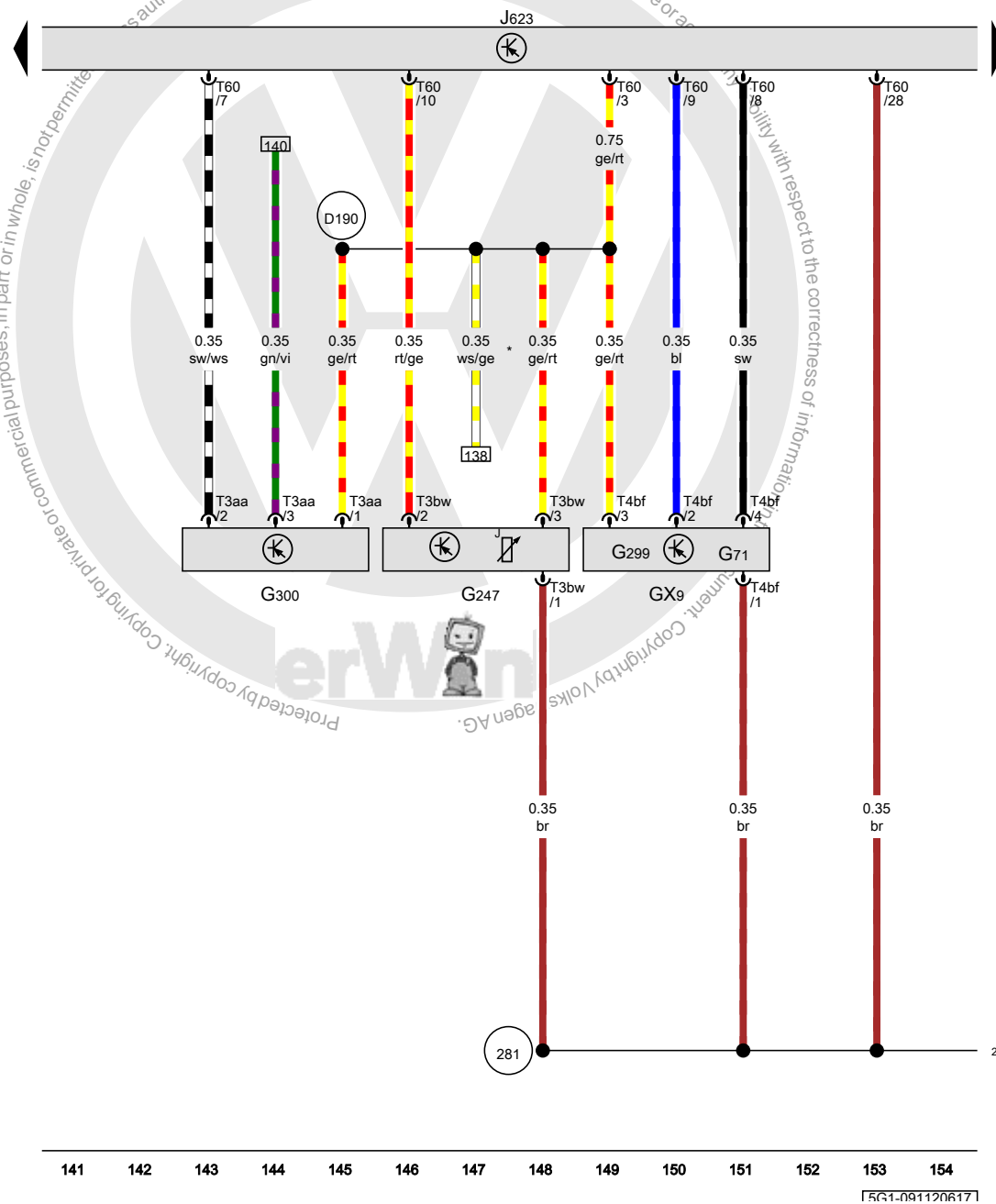
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

Hall sender, Coolant temperature sender, Engine/motor control unit, Charge pressure positioner



- G40 Hall sender
- G62 Coolant temperature sender
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3b 3-pin connector
- T6az 6-pin connector
- T66 60-pin connector
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment

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- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
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Intake manifold sender, Fuel pressure sender, Engine/ motor control unit

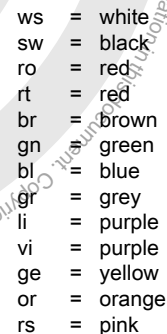
- GX9 Intake manifold sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine/motor control unit
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

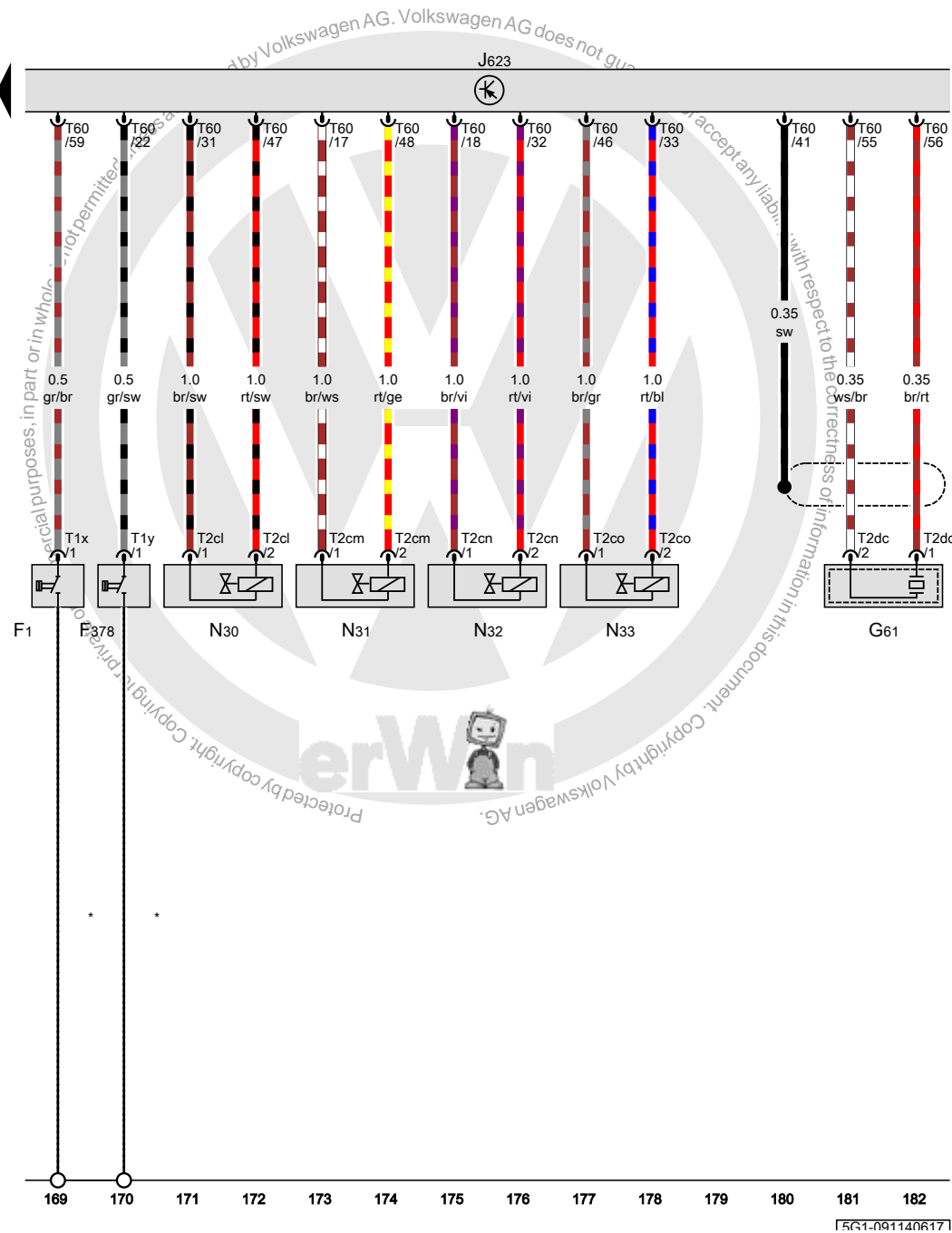
D190 Connection 3 (5V) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



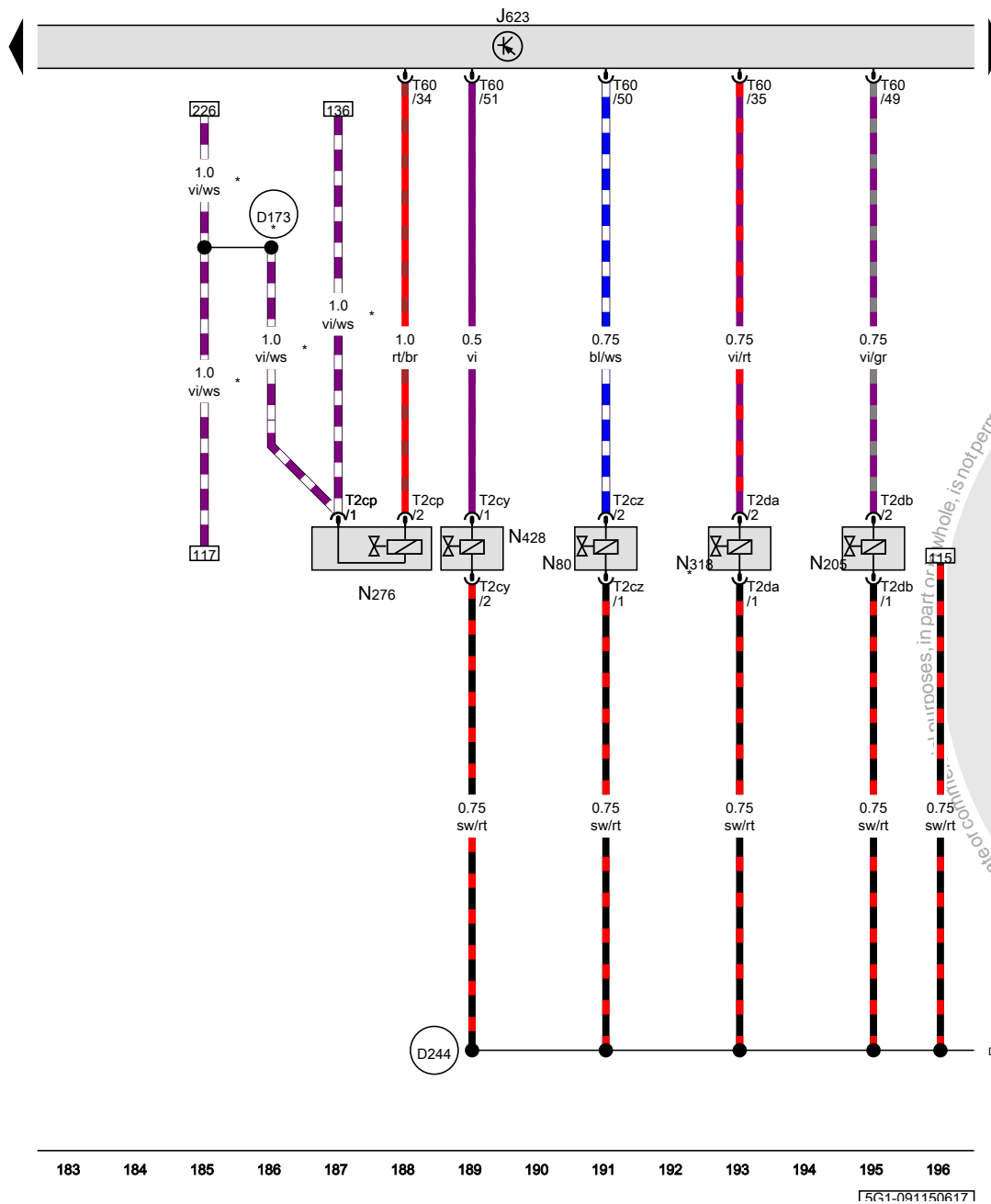
* According to equipment



Oil pressure switch, Oil pressure switch for reduced oil pressure, Knock sensor 1, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x 1-pin connector
- T1y 1-pin connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector
- * Earth supply via housing

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

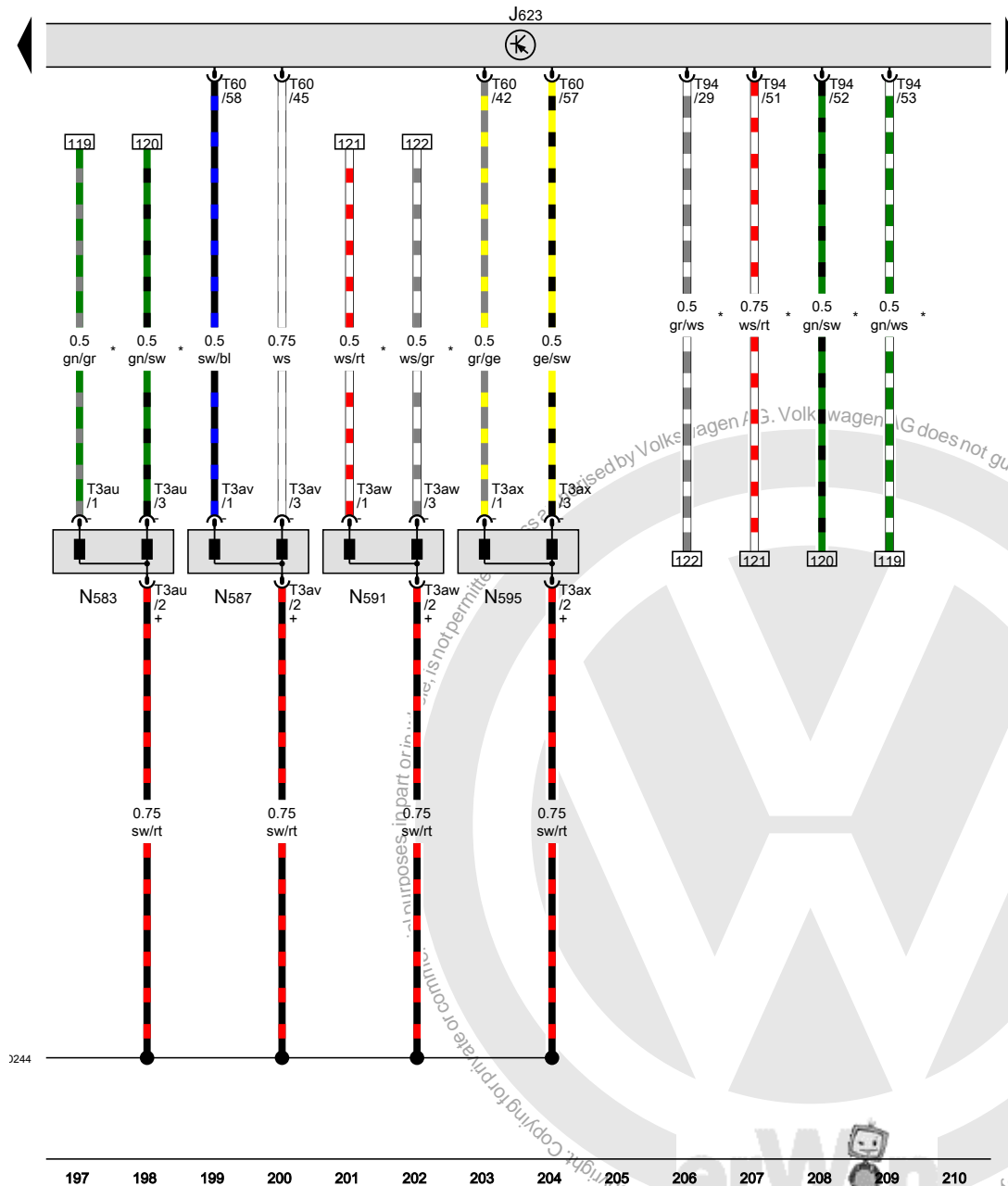
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Inlet cam actuator for cylinder 2, Exhaust cam actuator for cylinder 2, Inlet cam actuator for cylinder 3, Exhaust cam actuator for cylinder 3

- J623 Engine/motor control unit
- N583 Inlet cam actuator for cylinder 2
- N587 Exhaust cam actuator for cylinder 2
- N591 Inlet cam actuator for cylinder 3
- N595 Exhaust cam actuator for cylinder 3
- T3au 3-pin connector
- T3av 3-pin connector
- T3aw 3-pin connector
- T3ax 3-pin connector
- T60 60-pin connector
- T94 94-pin connector
- D244 Connection 5 (87a) in engine prewiring harness
- * According to equipment

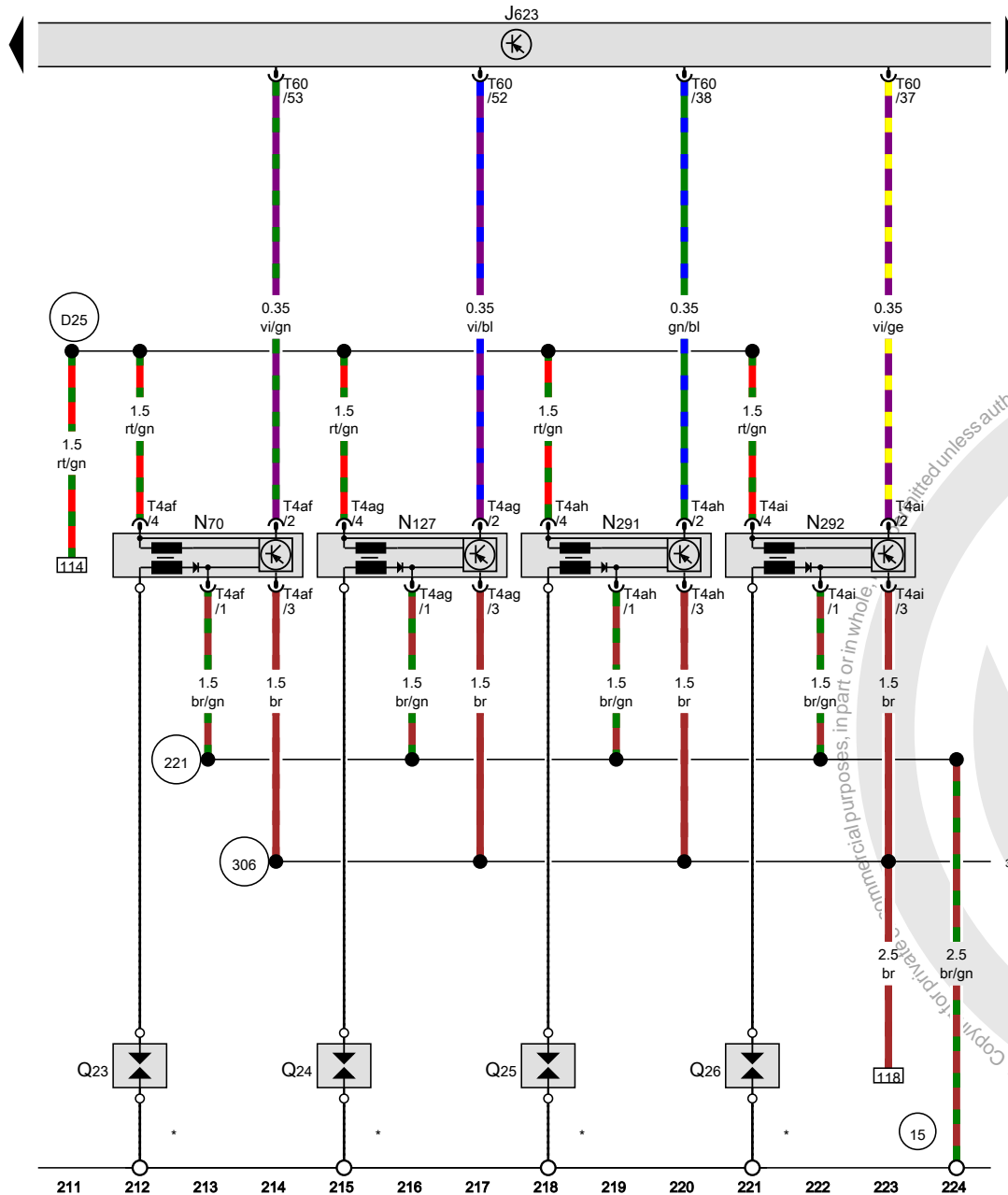
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

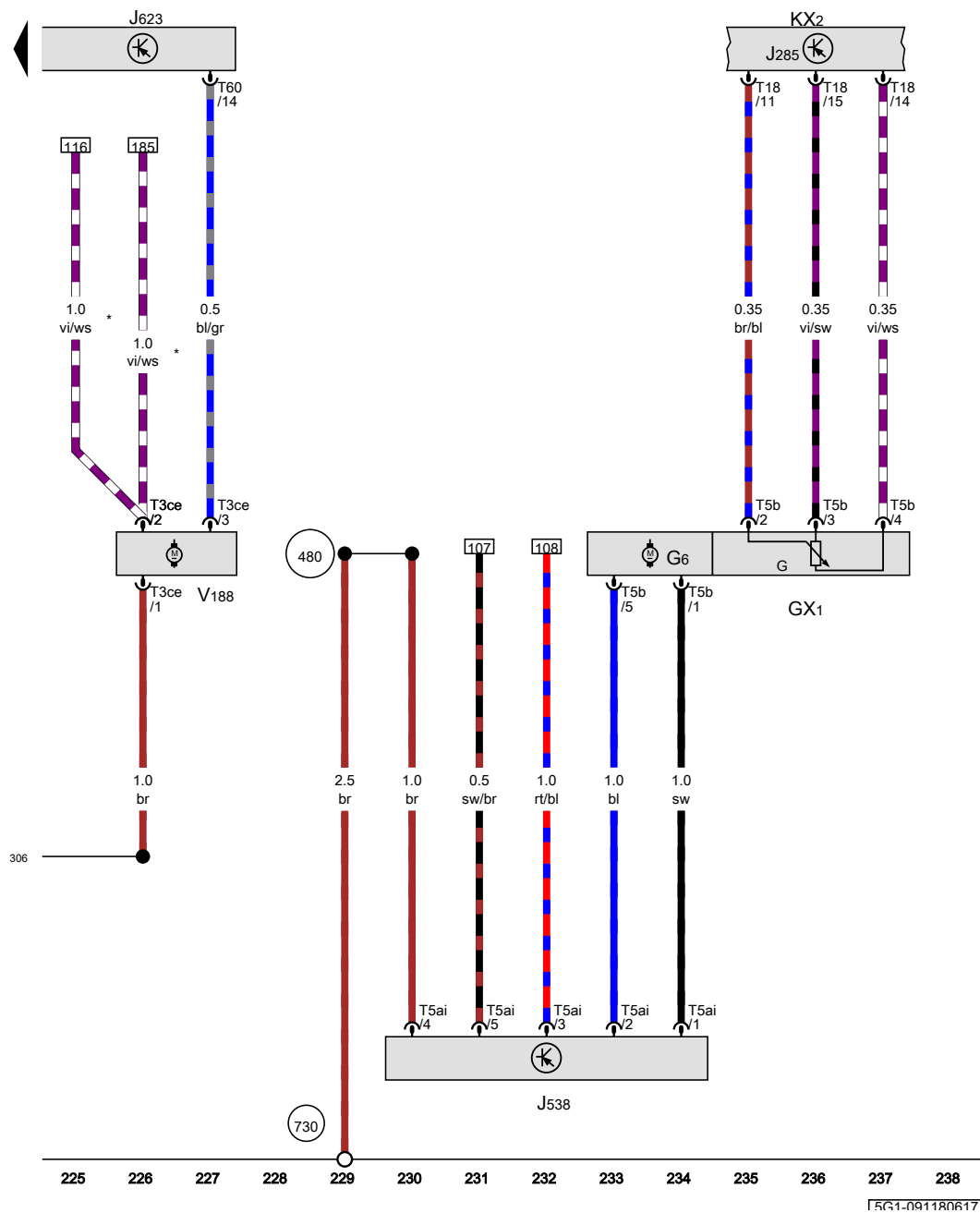
- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



15G1-091170617



Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Engine/motor control unit, Dash panel insert, Charge air cooling pump

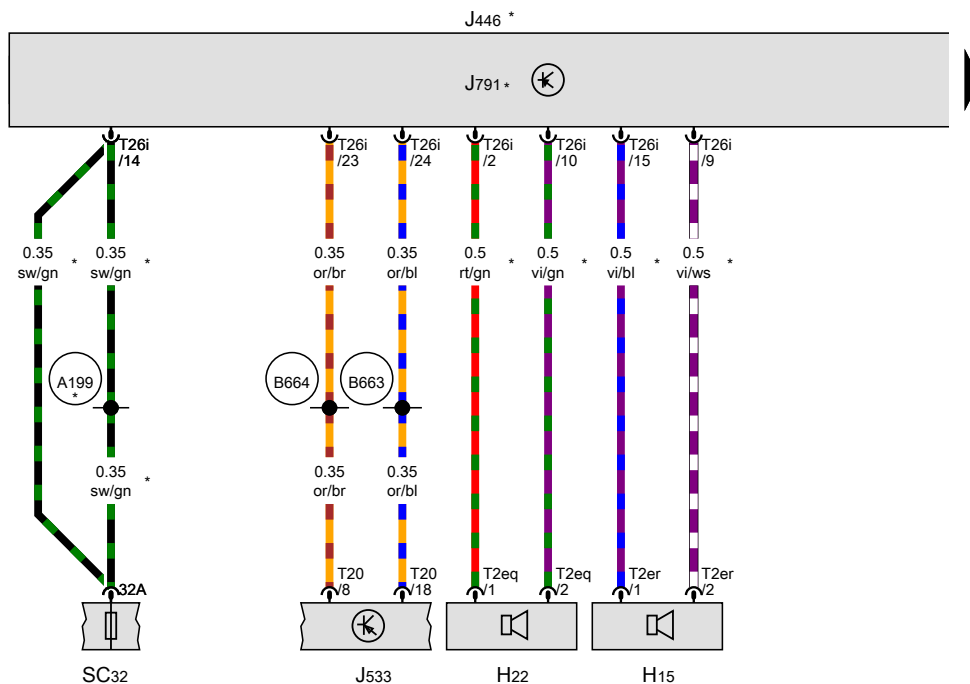
- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- KX2 Dash panel insert
- T3ce 3-pin connector
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Parking aid (PDC) with park assist steering (Park Assist) , (7X1),(7X2),(7X5)

From May 2015

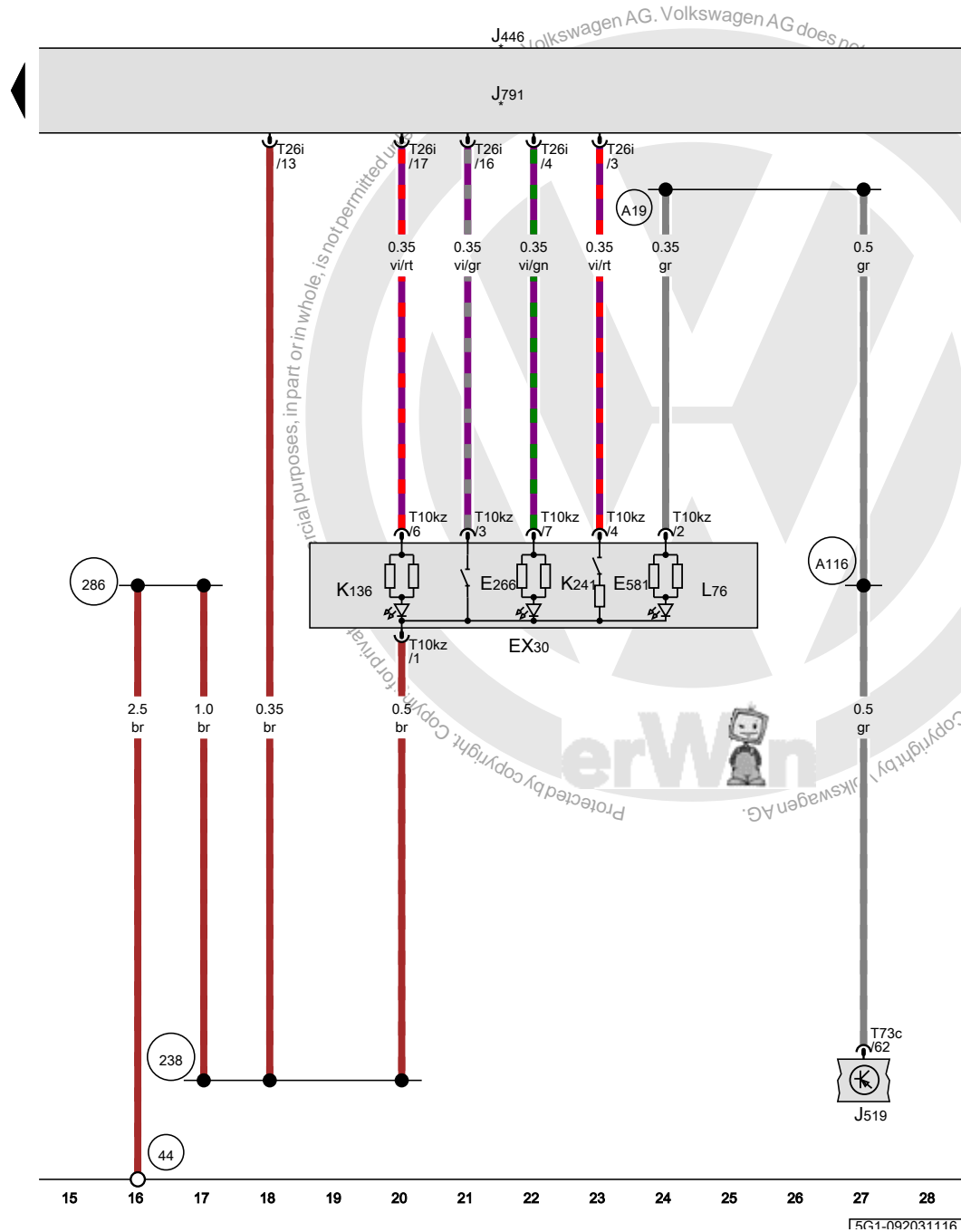




Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control unit, Data bus diagnostic interface, Park assist steering control unit

- H15 Rear parking aid warning buzzer
- H22 Front parking aid warning buzzer
- J446 Parking aid control unit
- J533 Data bus diagnostic interface
- J791 Park assist steering control unit
- SC32 Fuse 32 on fuse holder C
- T2eq 2-pin connector
- T2er 2-pin connector
- T20 20-pin connector
- T26i 26-pin connector
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Switch module 2 in centre console, Park assist steering button, Parking aid control unit, Onboard supply control unit, Park assist steering control unit

- EX30 Switch module 2 in centre console
- E266 Parking aid button
- E581 Park assist steering button
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J791 Park assist steering control unit
- K136 Parking aid warning lamp
- K241 Warning light for park assist steering
- L76 Button illumination bulb
- T10kz 10-pin connector
- T26i 26-pin connector
- T73c 73-pin connector

44 Earth point, lower part of left A-pillar

238 Earth connection 1, in interior wiring harness

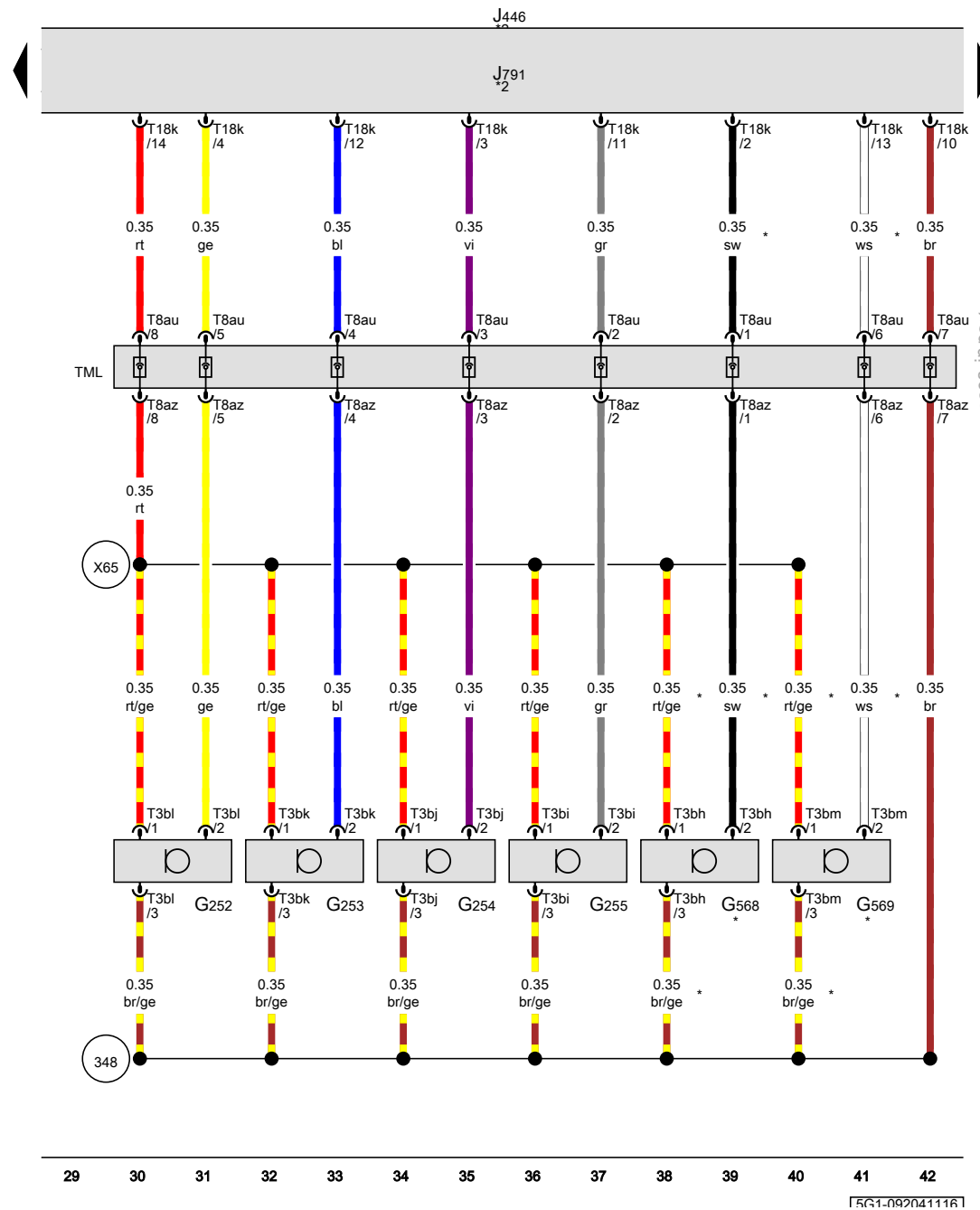
286 Earth connection 8, in interior wiring harness

A19 Connection (58d), in dash panel wiring harness

A116 Connection 2 (58d), in dash panel wiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Front left sender for park assist steering on left side of vehicle, Front right sender for park assist steering on right side of vehicle, Parking aid control unit, Park assist steering control unit

- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- G568 Front left sender for park assist steering on left side of vehicle
- G569 Front right sender for park assist steering on right side of vehicle
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3bh 3-pin connector
- T3bi 3-pin connector
- T3bj 3-pin connector
- T3bk 3-pin connector
- T3bl 3-pin connector
- T3bm 3-pin connector
- T8au 8-pin connector, black
- T8az 8-pin connector, black
- T18k 18-pin connector
- TML Coupling point in engine compartment, left

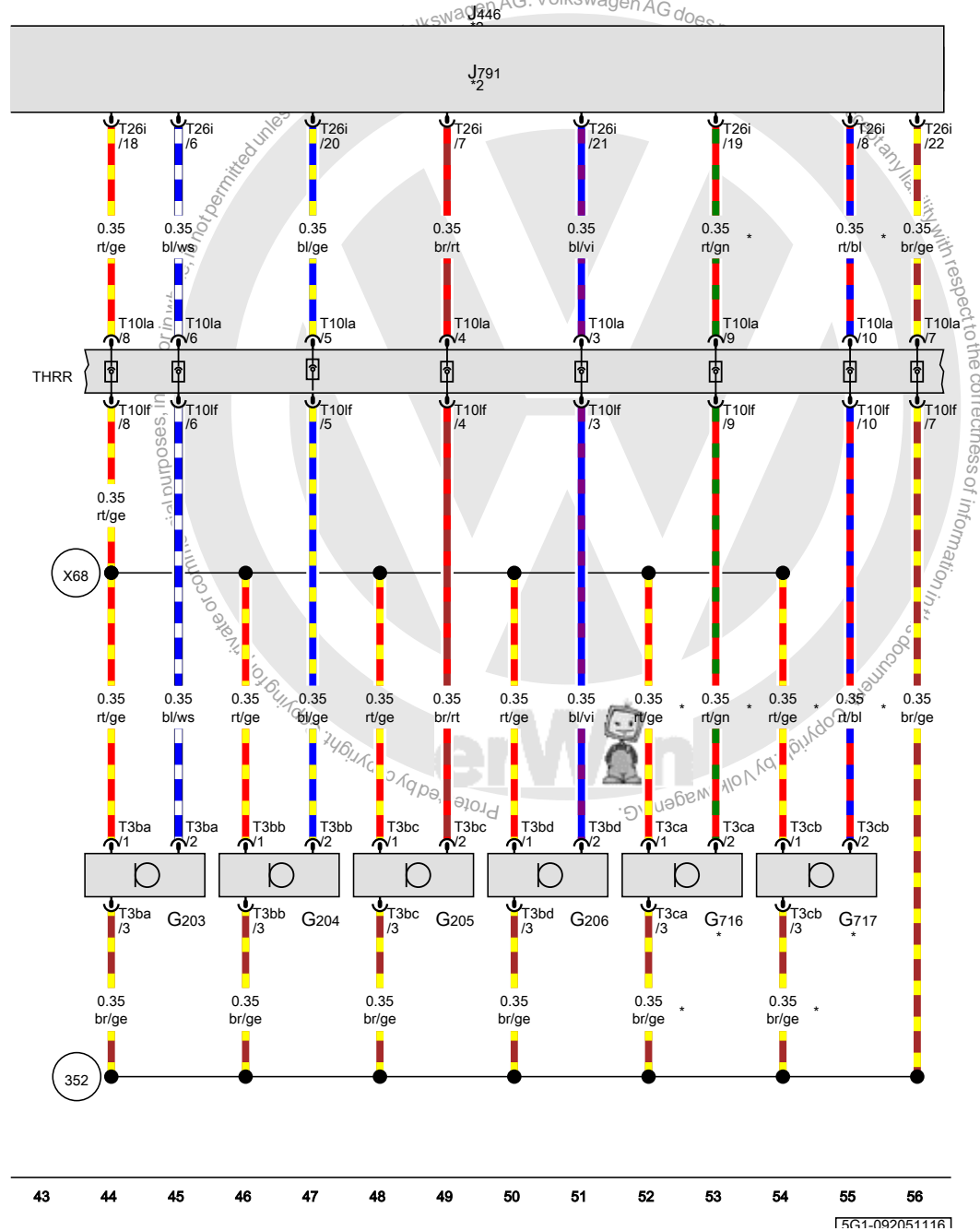
348 Earth connection (parking aid), in front bumper wiring harness

X65 Connection (parking aid), in front bumper wiring harness

* Only models with park assist steering
*2 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

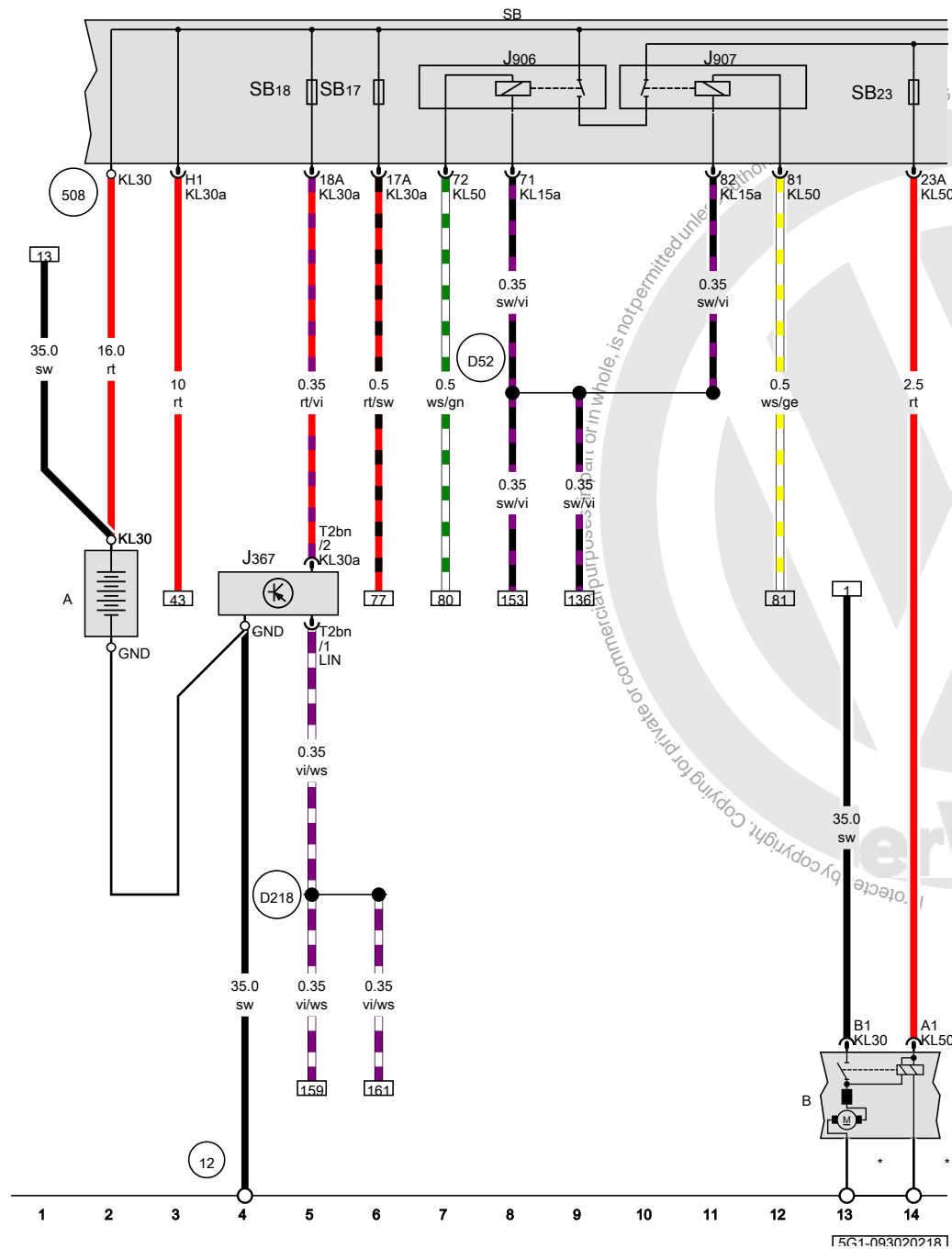
Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Rear left park assist steering sender, Rear right park assist steering sender, Parking aid control unit, Park assist steering control unit



1.6l diesel engine , DBKA

From May 2015

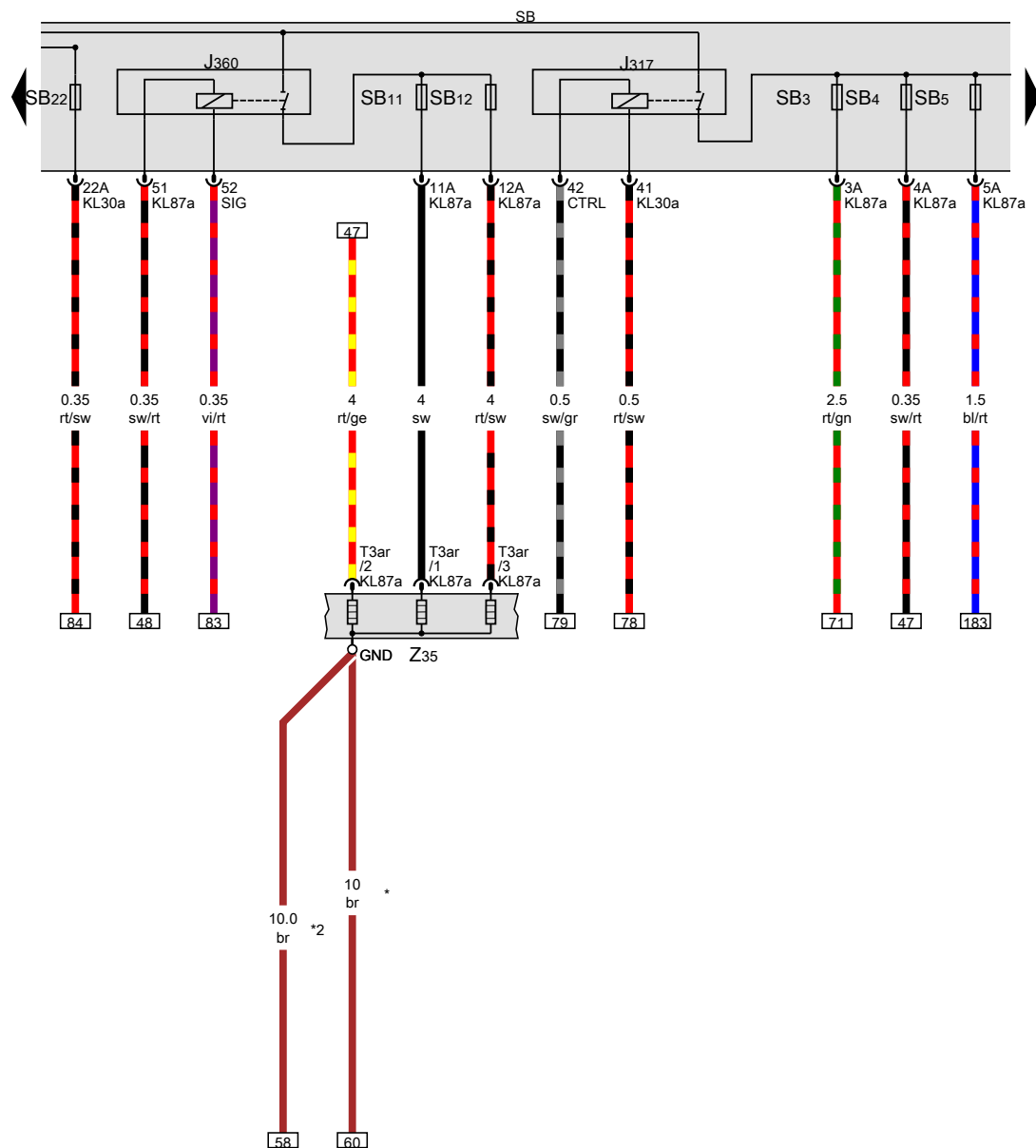




Battery, Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- D52 Positive connection (15a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- * Earth supply via housing

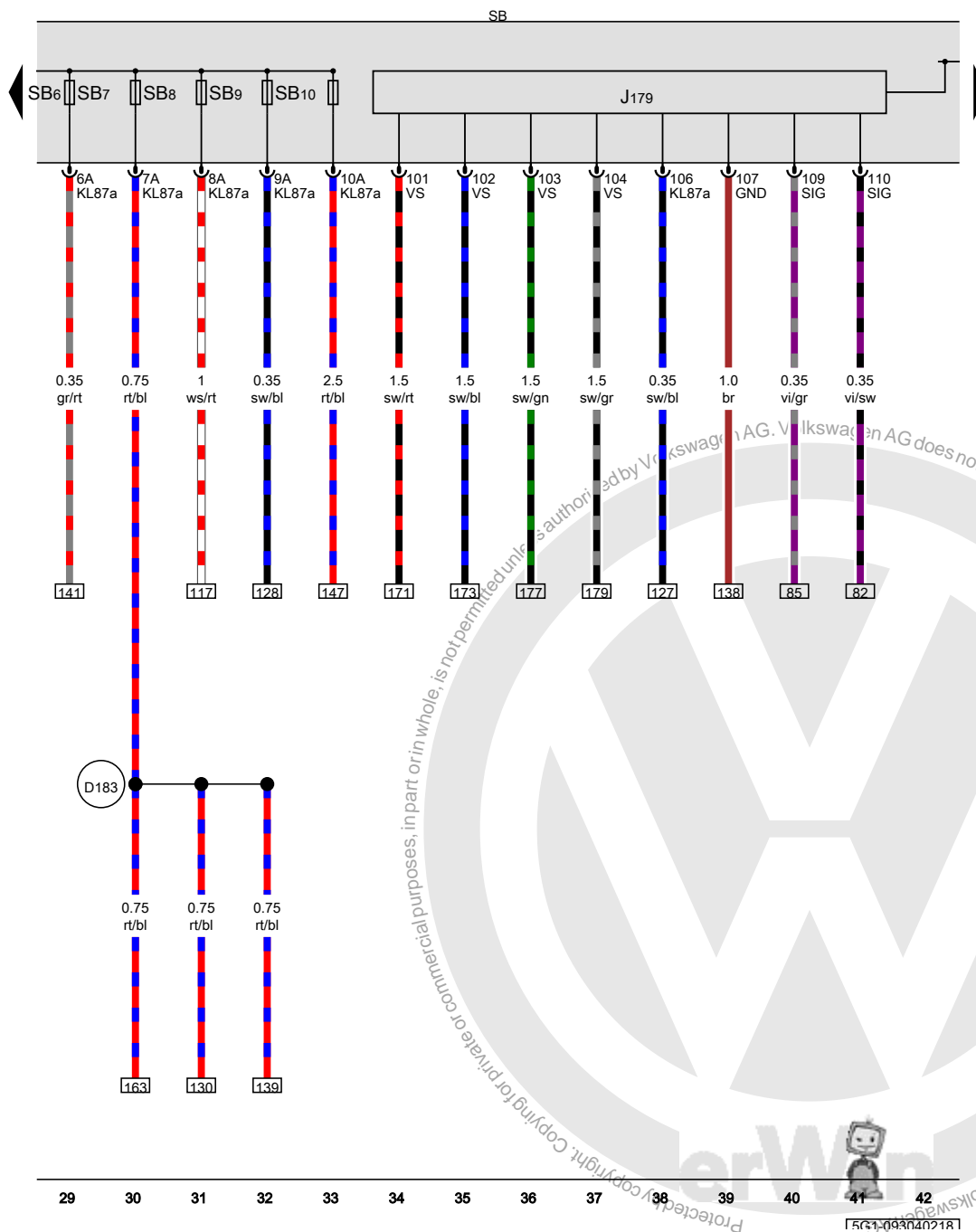
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B, Auxiliary air heater element

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T3ar 3-pin connector
- Z35 Auxiliary air heater element
- * For left-hand drive models
- *2 For right-hand drive models

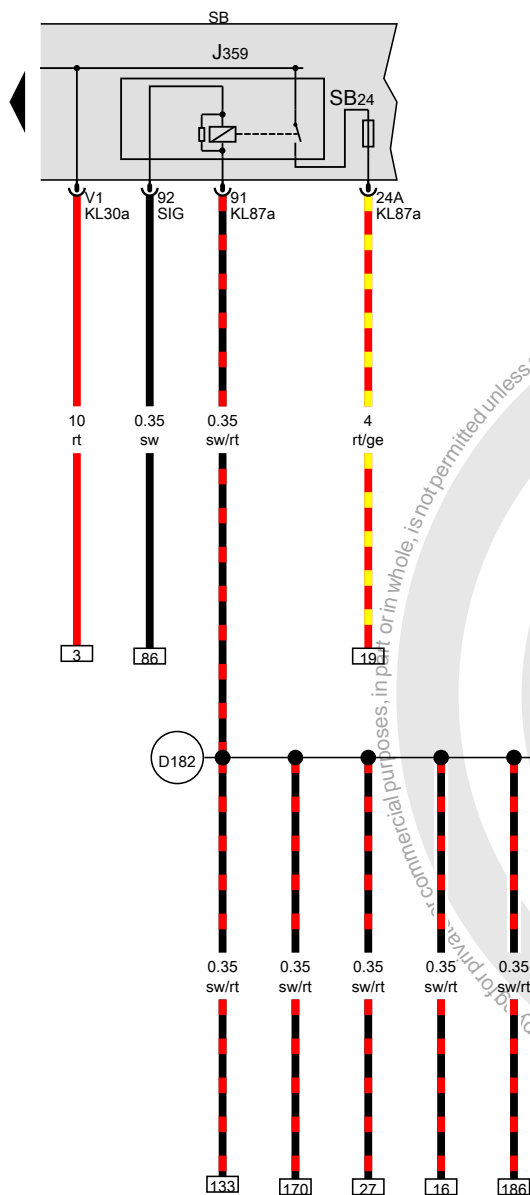
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Automatic glow period control unit, Fuse holder B

- J179 Automatic glow period control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- D183 Connection 4 (87a), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Low heat output relay, Fuse holder B

- J359 Low heat output relay
- SB Fuse holder B
- SB24 Fuse 24 on fuse holder B
- D182 Connection 3 (87a), in engine compartment wiring harness

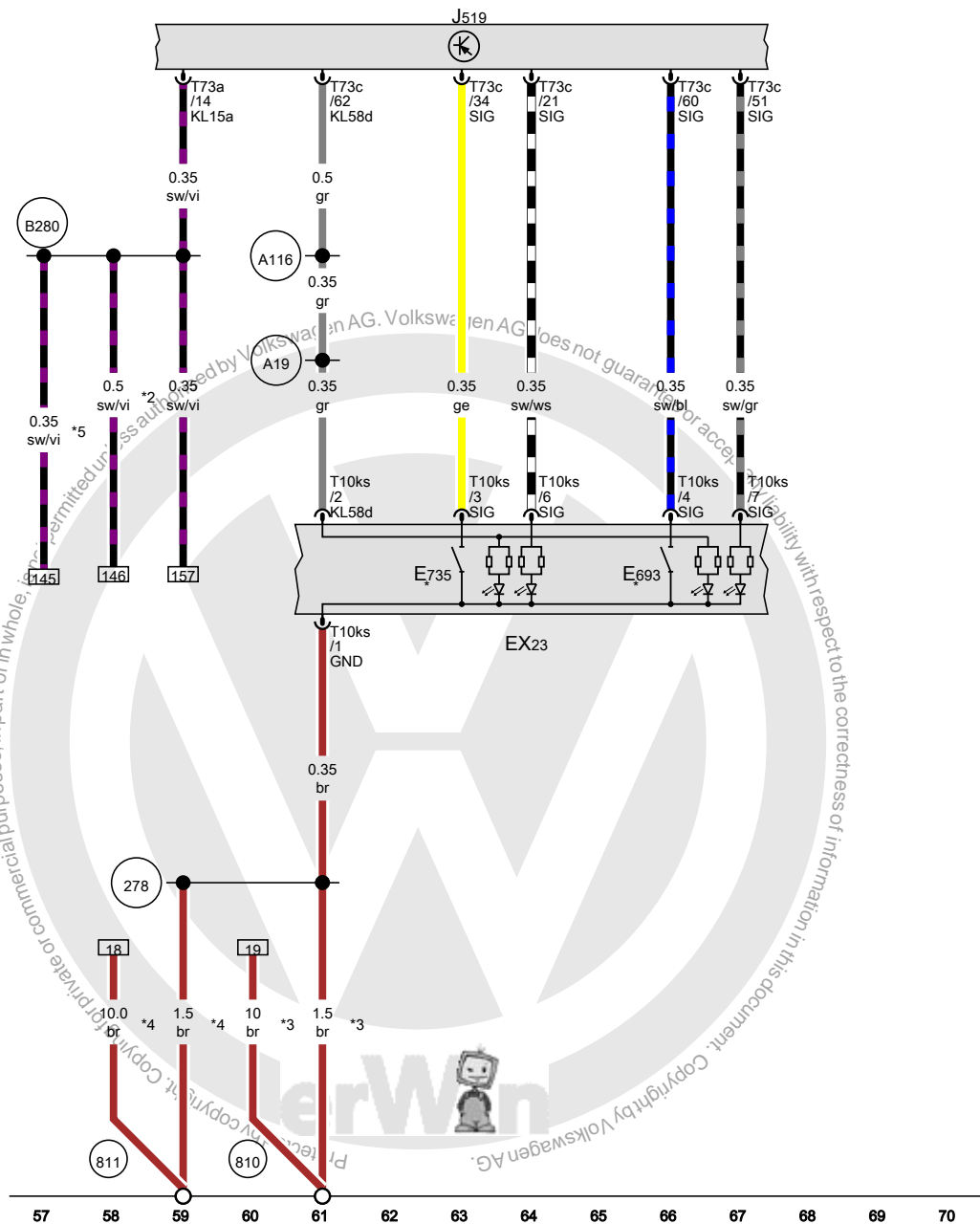
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Onboard supply control unit

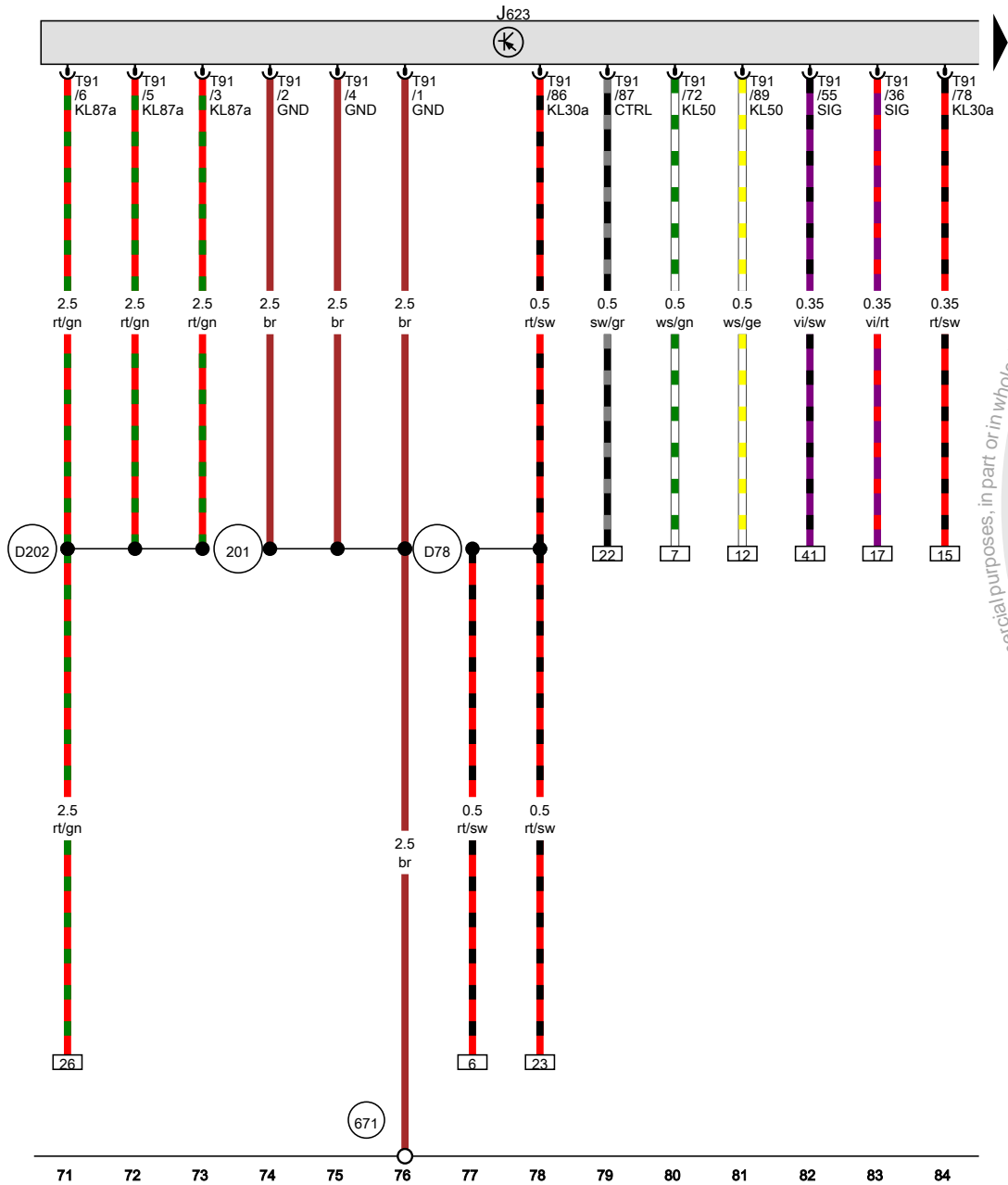
EX23 Switch module 1 in centre console
E693 Start/Stop operation button
E735 Driving mode selection button
J519 Onboard supply control unit
T10ks 10-pin connector
T73a 73-pin connector, black
T73c 73-pin connector

- (278) Earth connection 4, in interior wiring harness
(810) Earth point on central tube for dash panel, centre left
(811) Earth point on central tube for dash panel, centre right
(A19) Connection (58d), in dash panel wiring harness
(A116) Connection 2 (58d), in dash panel wiring harness
(B280) Positive connection 4 (15a) in main wiring harness
* According to equipment
*2 Up to November 2017
*3 For left-hand drive models
*4 For right-hand drive models
*5 From November 2017

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



15G1-093060218



Engine/motor control unit

J623 Engine/motor control unit

T91 91-pin connector, black

201 Earth connection 5, in engine compartment wiring harness

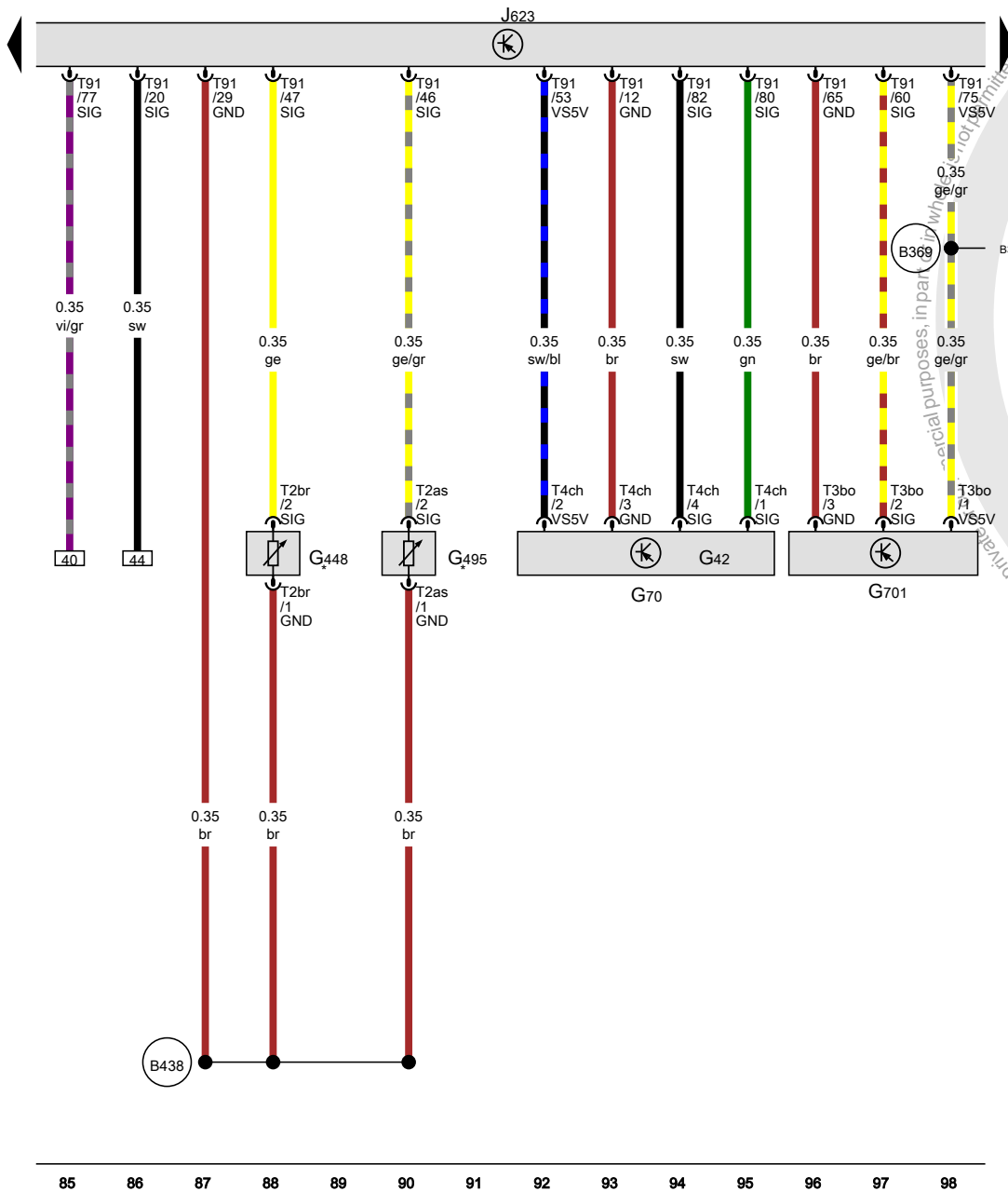
671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D202 Connection 6 (87a), in engine compartment wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

15G1-093070218



Air mass meter, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Gearbox neutral position sender, Engine/motor control unit

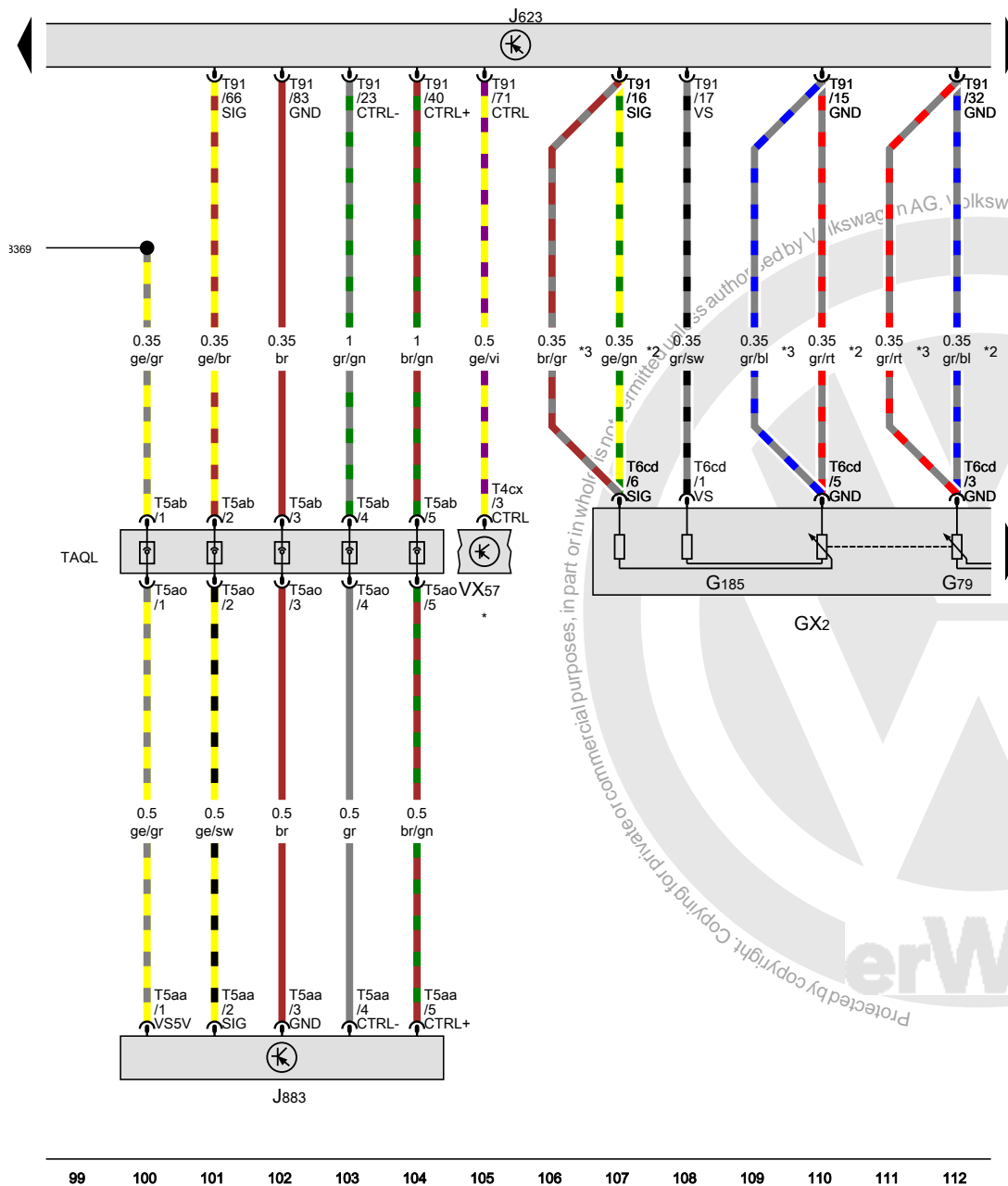
- G42 Intake air temperature sender
- G70 Air mass meter
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- T2as 2-pin connector
- T2br 2-pin connector
- T3bo 3-pin connector
- T4ch 4-pin connector
- T91 91-pin connector, black

B369 Connection 1 (5V), in main wiring harness

B438 Connection 2 (GND (earth)), in main wiring harness

* Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



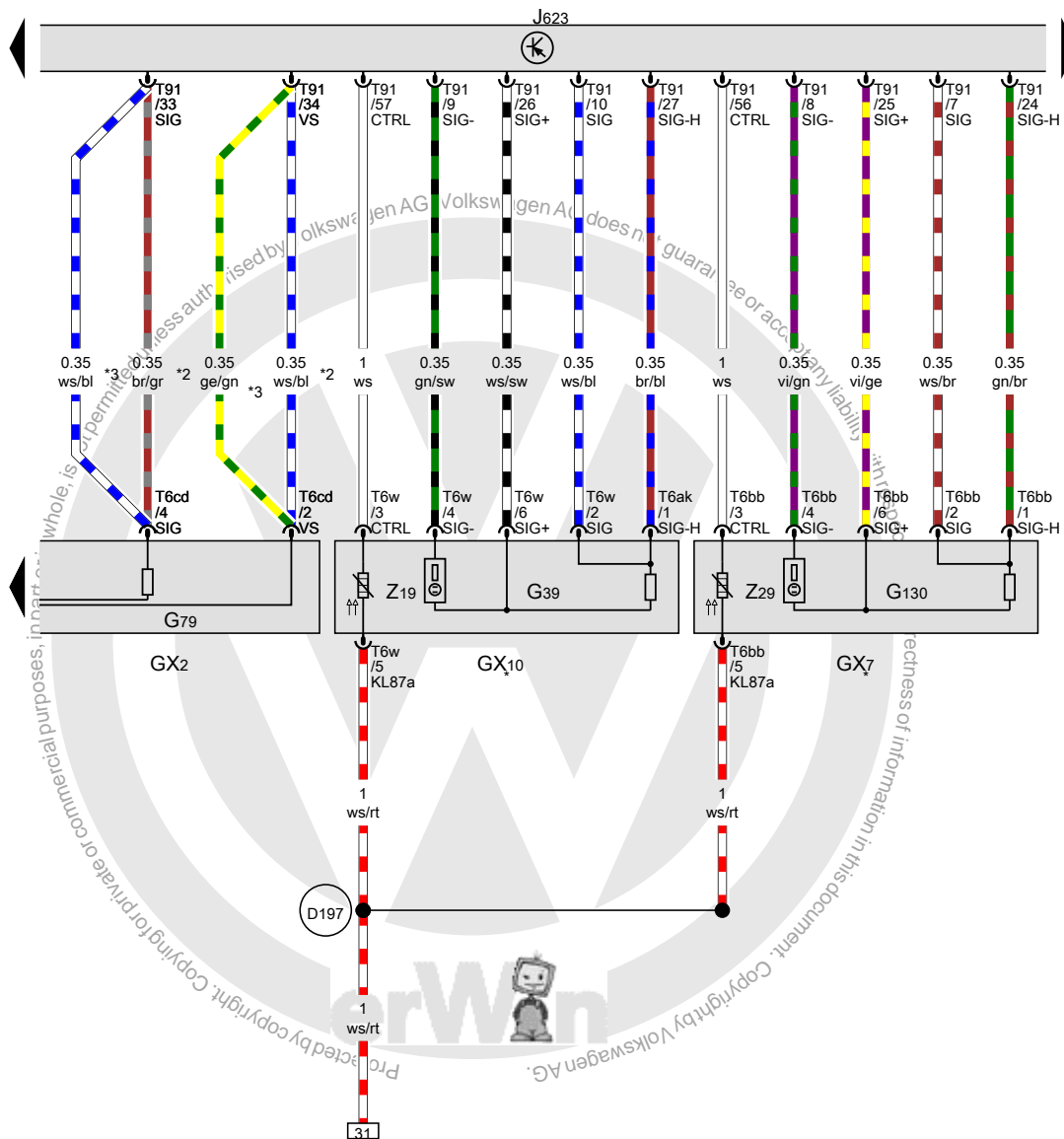
Accelerator pedal module, Engine/motor control unit, Exhaust flap control unit, Radiator fan

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T4cx 4-pin connector
- T5aa 5-pin connector
- T5ab 5-pin connector, brown
- T5ao 5-pin connector
- T6cd 6-pin connector
- T91 91-pin connector, black
- TAQL Coupling point on rear cross member, left
- VX57 Radiator fan

B369 Connection 1 (5V), in main wiring harness

- * Pre-wired component
- *2 Up to November 2015
- *3 From November 2015

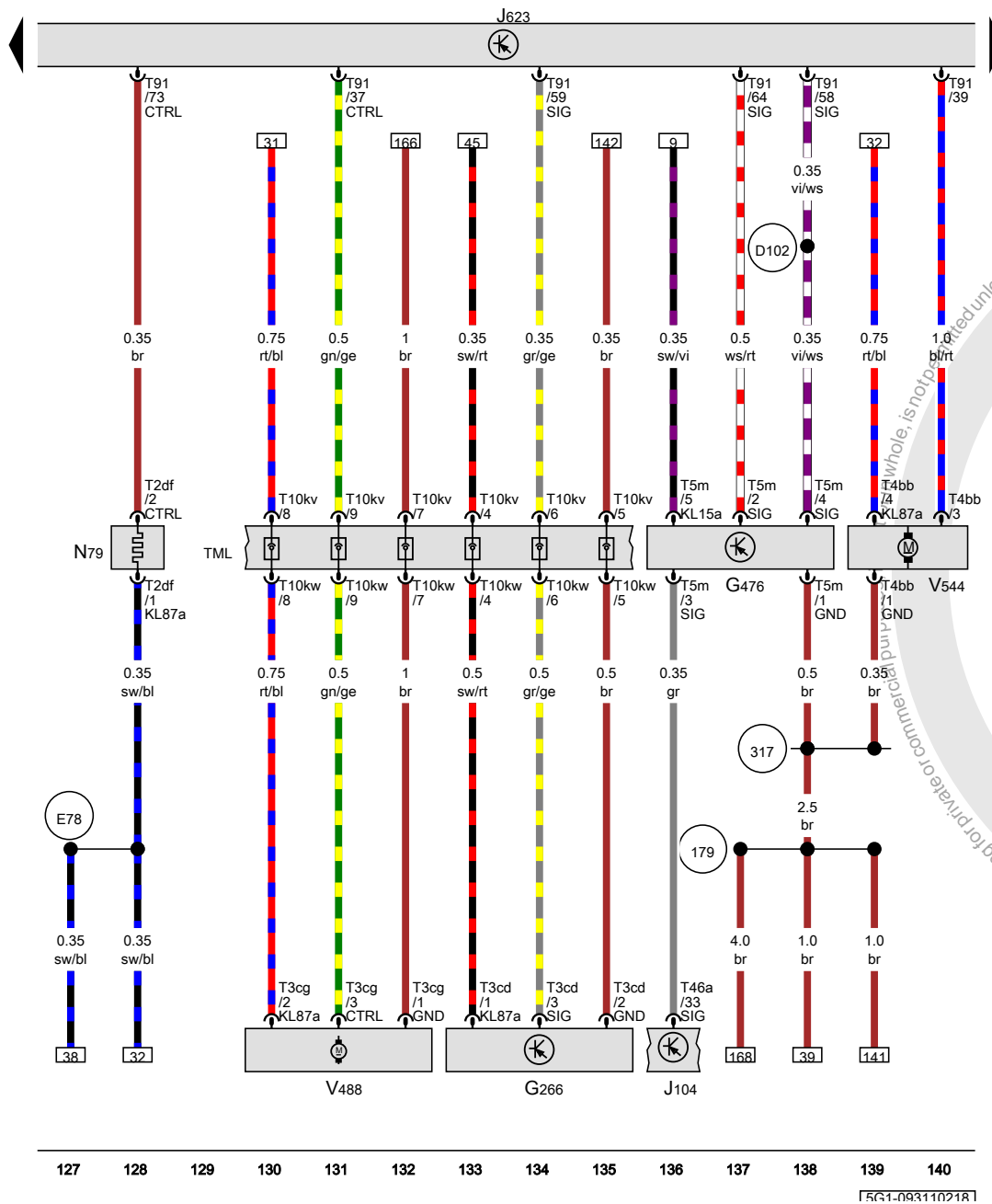
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Accelerator pedal module, Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit

- GX2 Accelerator pedal module
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G79 Accelerator position sender
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T6ak 6-pin connector, black
- T6bb 6-pin connector
- T6cd 6-pin connector
- T6w 6-pin connector
- T91 91-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 Up to November 2015
- *3 From November 2015

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Oil level and oil temperature sender, Clutch position sender, ABS control unit, Engine/motor control unit, Heater element for crankcase breather, Auxiliary pump for heating, Radiator blind control motor

- G266 Oil level and oil temperature sender
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- T2df 2-pin connector
- T3cd 3-pin connector, black
- T3cg 3-pin connector
- T4bb 4-pin connector, black
- T5m 5-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector
- T46a 46-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- V544 Radiator blind control motor

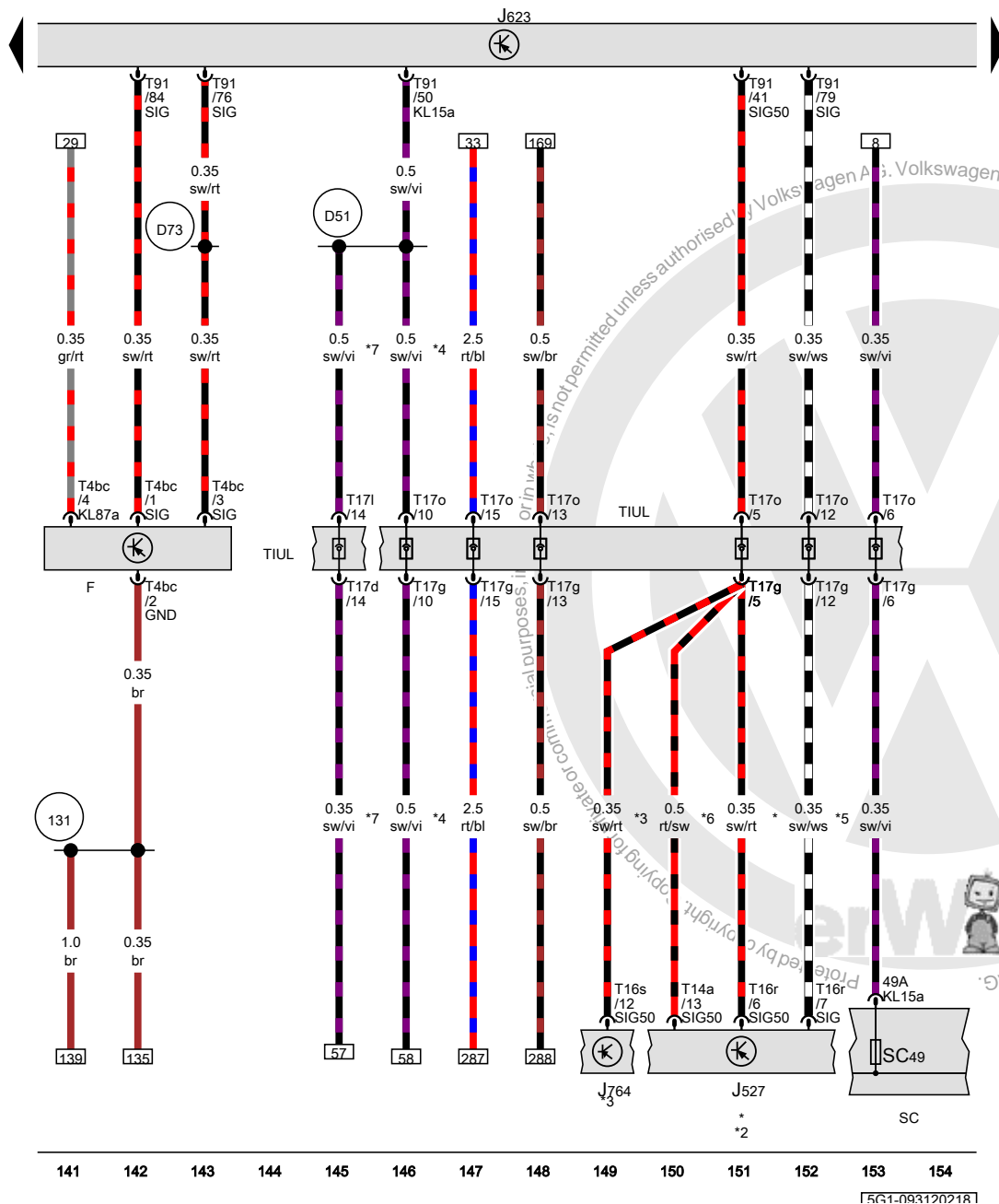
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- E78 Connection 2 (87a) in engine wiring harness

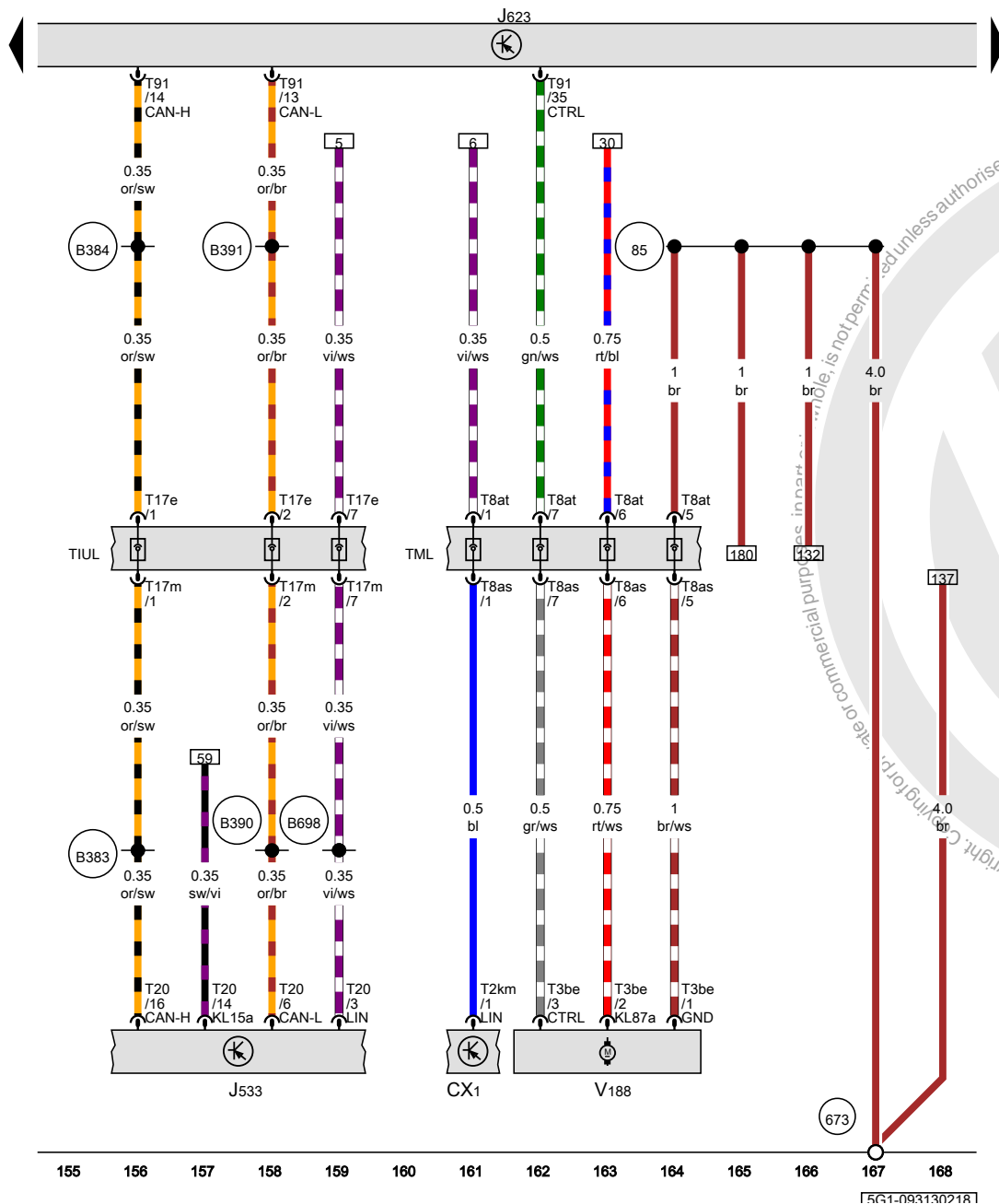
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

F	Brake light switch
J527	Steering column electronics control unit
J623	Engine/motor control unit
J764	Control unit for electronic steering column lock
SC	Fuse holder C
SC49	Fuse 49 on fuse holder C
T4bc	4-pin connector
T14a	14-pin connector, black
T16r	16-pin connector
T16s	16-pin connector, black
T17d	17-pin connector, black
T17g	17-pin connector, blue
T17l	17-pin connector, black
T17o	17-pin connector, blue
T91	91-pin connector, black
TIUL	Coupling point in interior, below left

- | | |
|-----|--|
| 131 | Earth connection 2, in engine compartment wiring harness |
| D51 | Positive connection 1 (15), in engine compartment wiring harness |
| D73 | Positive connection (54), in engine compartment wiring harness |
| * | For models with no heated steering wheel |
| *2 | see applicable current flow diagram |
| *3 | For models with entry and start authorisation |
| *4 | Up to November 2017 |
| *5 | For models with cruise control system (CCS) |
| *6 | For models with heated steering wheel |
| *7 | From November 2017 |

ws	=	white
sw	=	black
ro	=	red
br	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





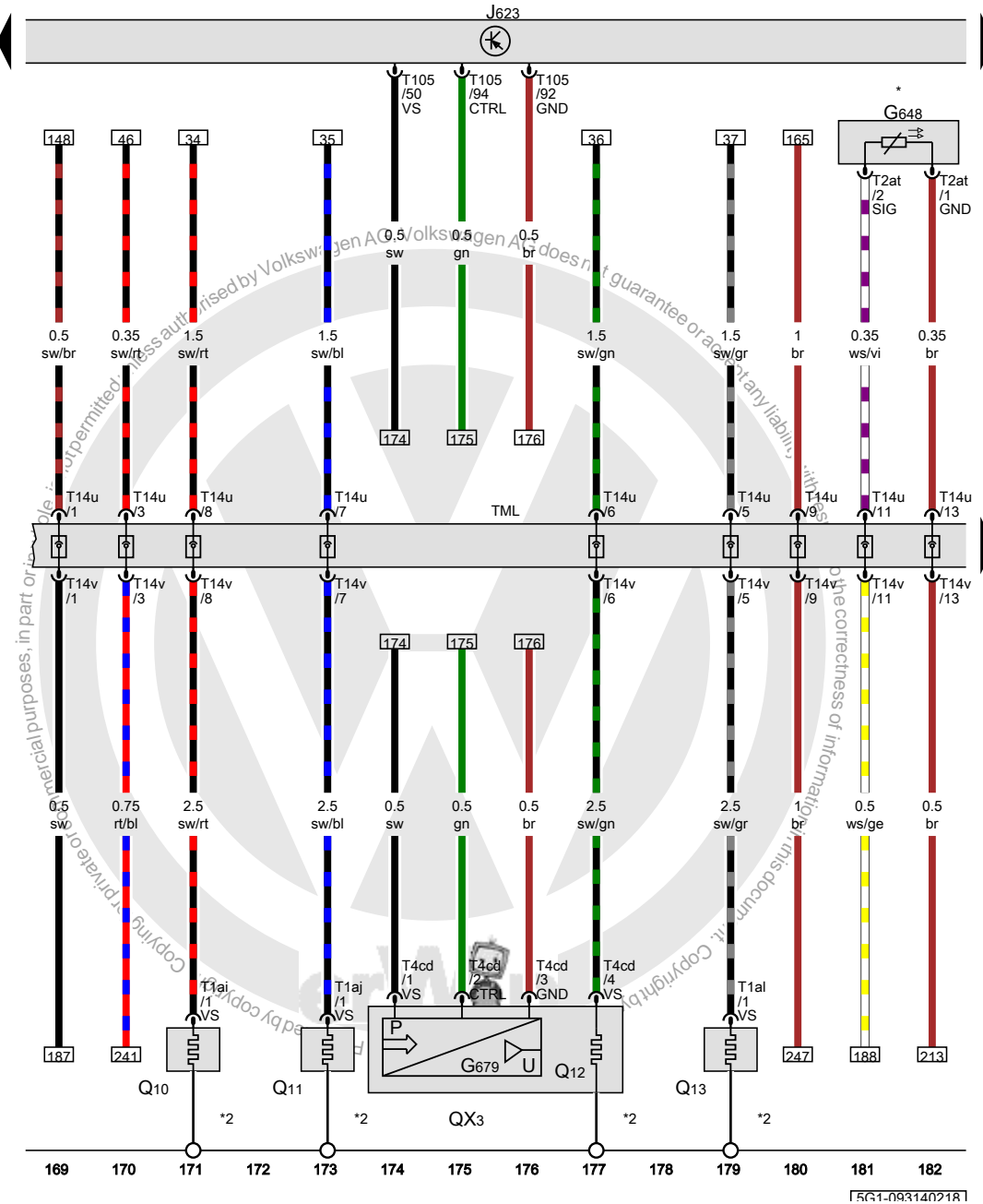
Alternator with voltage regulator, Data bus diagnostic interface, Engine/motor control unit, Charge air cooling pump

- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T2km 2-pin connector, black
- T3be 3-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, black
- T20 20-pin connector, red
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump

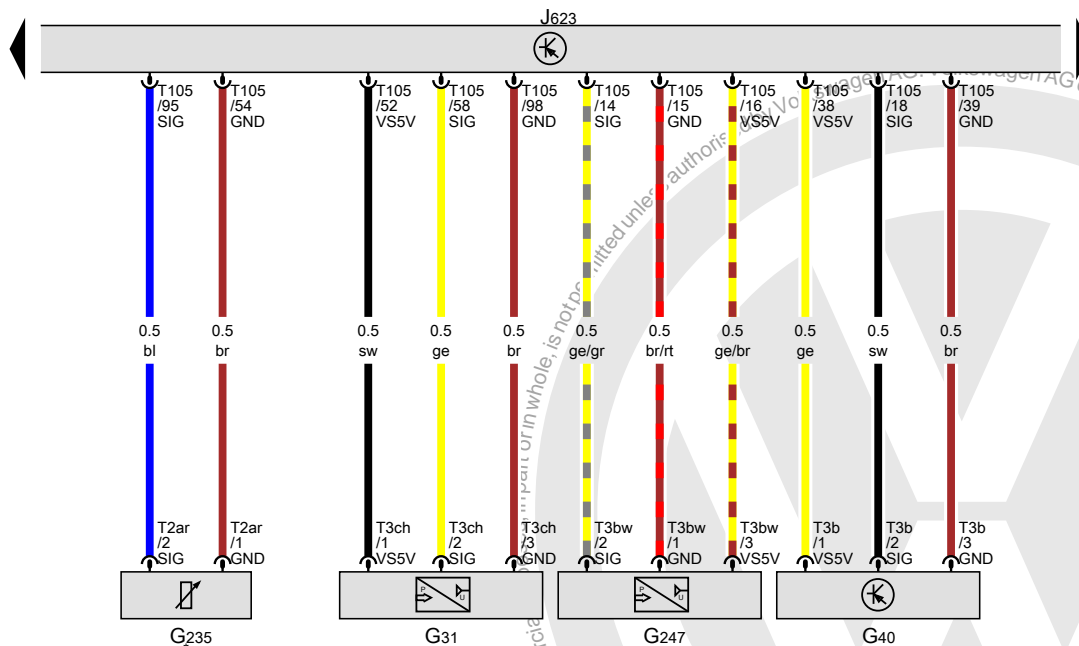
- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Exhaust gas temperature sender 4, Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

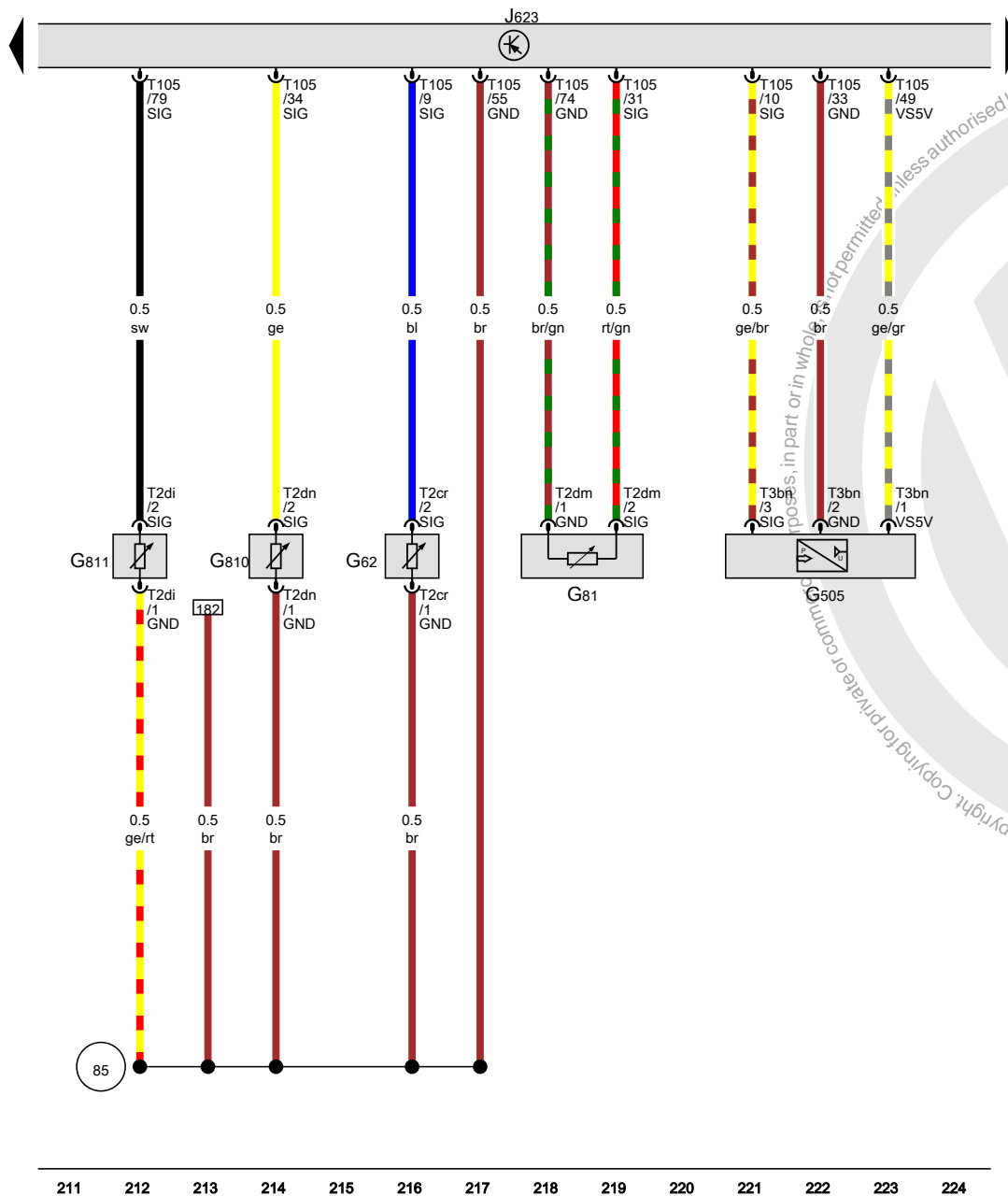


- G648 Exhaust gas temperature sender 4
- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T2at 2-pin connector, colourless
- T4cd 4-pin connector, black
- T14u 14-pin connector, grey
- T14v 14-pin connector, grey
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- * Pre-wired component
- *2 Earth supply via housing



Charge pressure sender, Hall sender, Exhaust gas temperature sender 1, Fuel pressure sender, Engine/motor control unit

- G31 Charge pressure sender
- G40 Hall sender
- G235 Exhaust gas temperature sender 1
- G247 Fuel pressure sender
- J623 Engine/motor control unit
- T2ar 2-pin connector
- T3b 3-pin connector
- T3bw 3-pin connector
- T3ch 3-pin connector
- T105 105-pin connector, black
- Pre-wired component

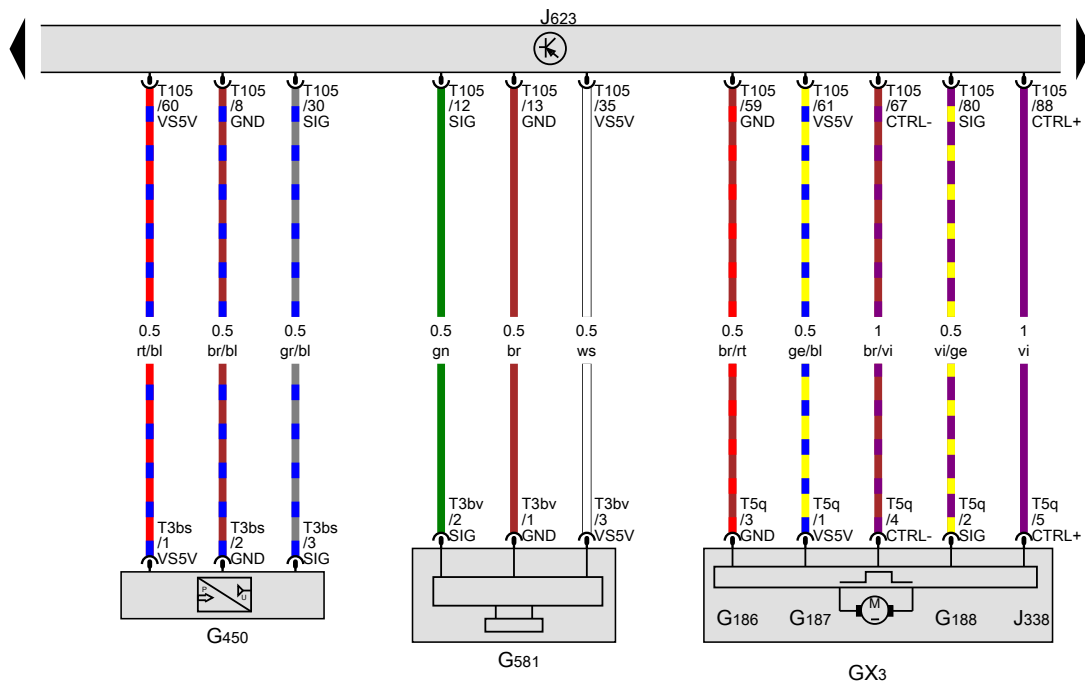


Coolant temperature sender, Fuel temperature sender, Pressure differential sender, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit

- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G505 Pressure differential sender
- G810 Charge air temperature sender before charge air cooler
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T2di 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T3bn 3-pin connector
- T105 105-pin connector, black

85 Earth connection 1, in engine compartment wiring harness

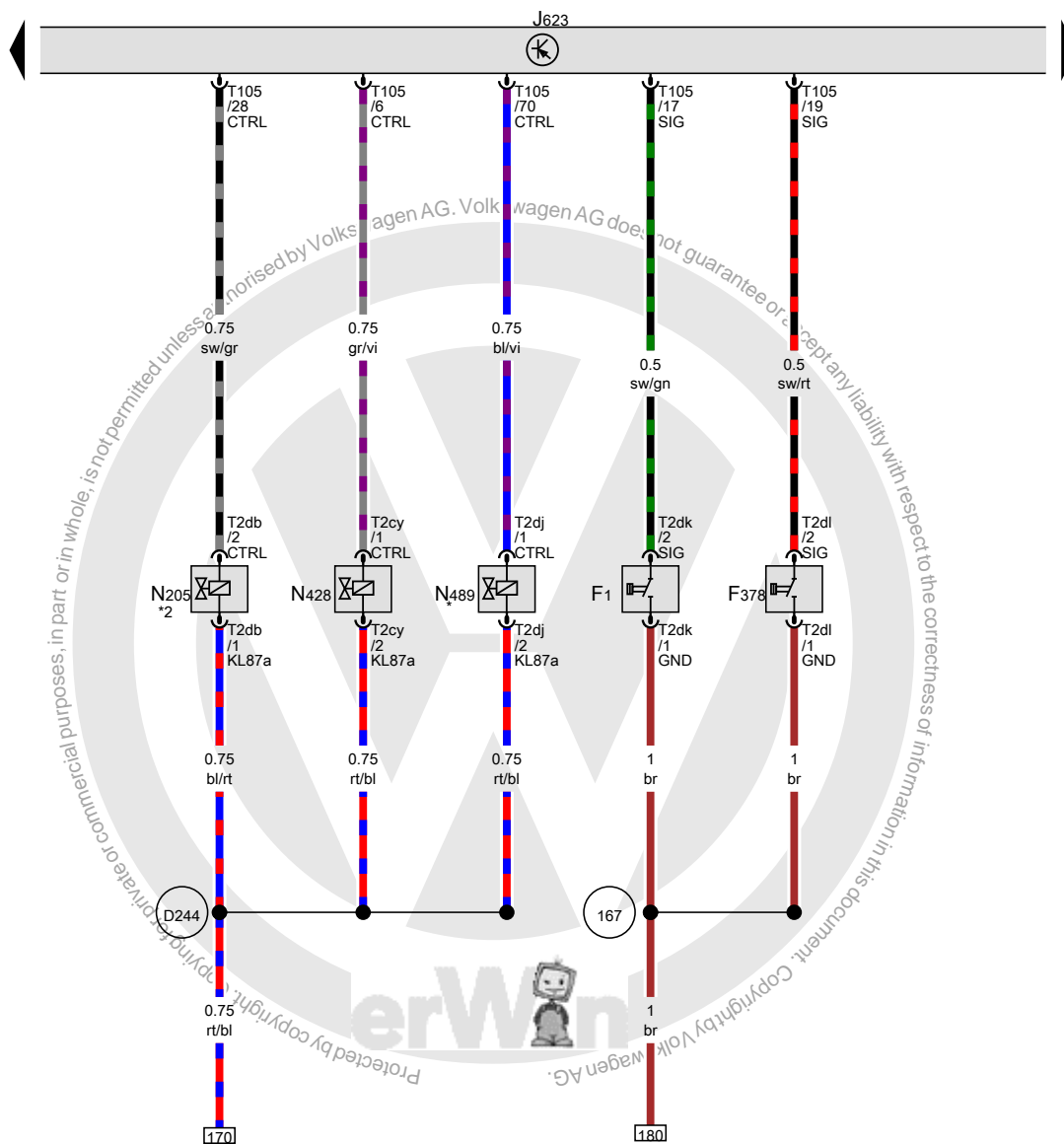
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Throttle valve module, Exhaust gas pressure sensor 1, Position sender for charge pressure positioner, Engine/motor control unit

- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G450 Exhaust gas pressure sensor 1
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3bs 3-pin connector
- T3bv 3-pin connector
- T5q 5-pin connector
- T105 105-pin connector, black

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Camshaft control valve 1, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T105 105-pin connector, black

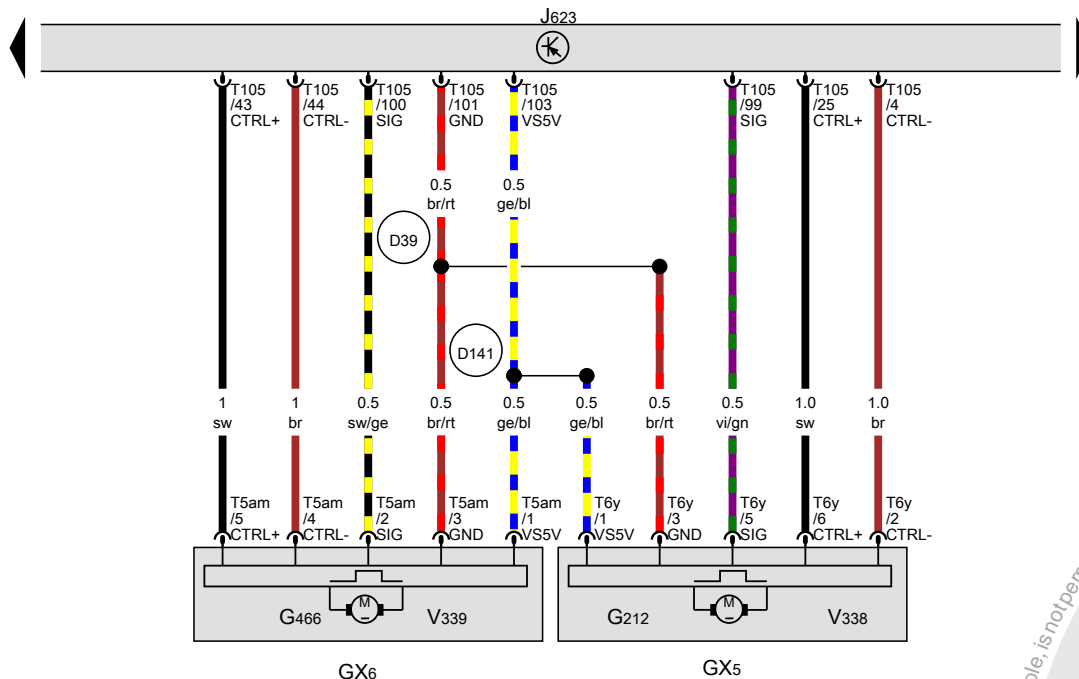
167 Earth connection 4, in engine compartment wiring harness

D244 Connection 5 (87a) in engine prewiring harness

- * Pre-wired component
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

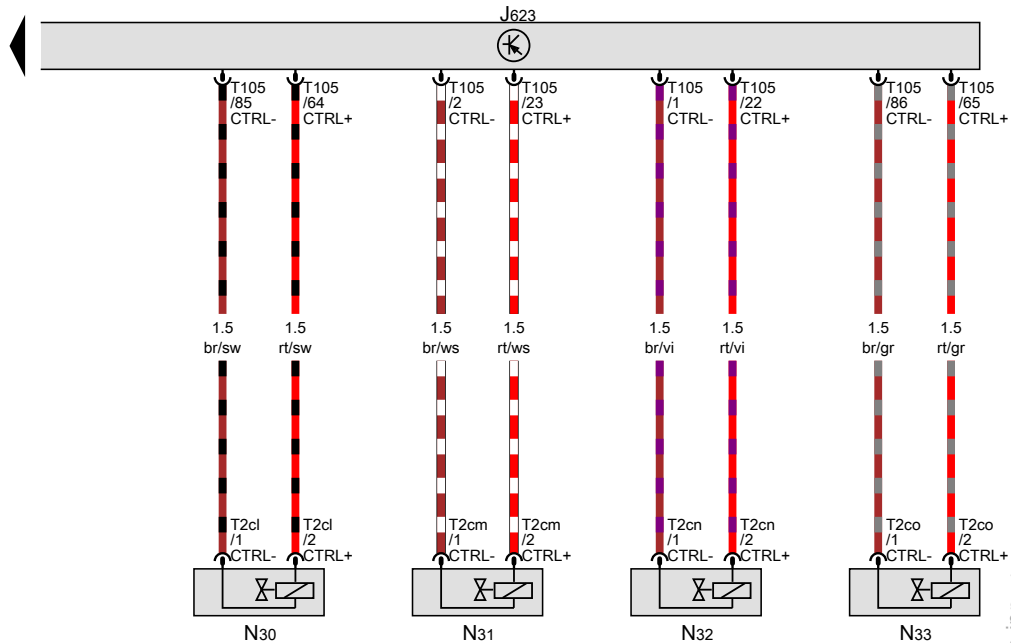
Exhaust gas recirculation valve 2, Engine/motor control unit



- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T5am 5-pin connector
- T6y 6-pin connector
- T105 105-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2
- D39 Connection 1, in engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

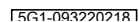
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T105 105-pin connector, black

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

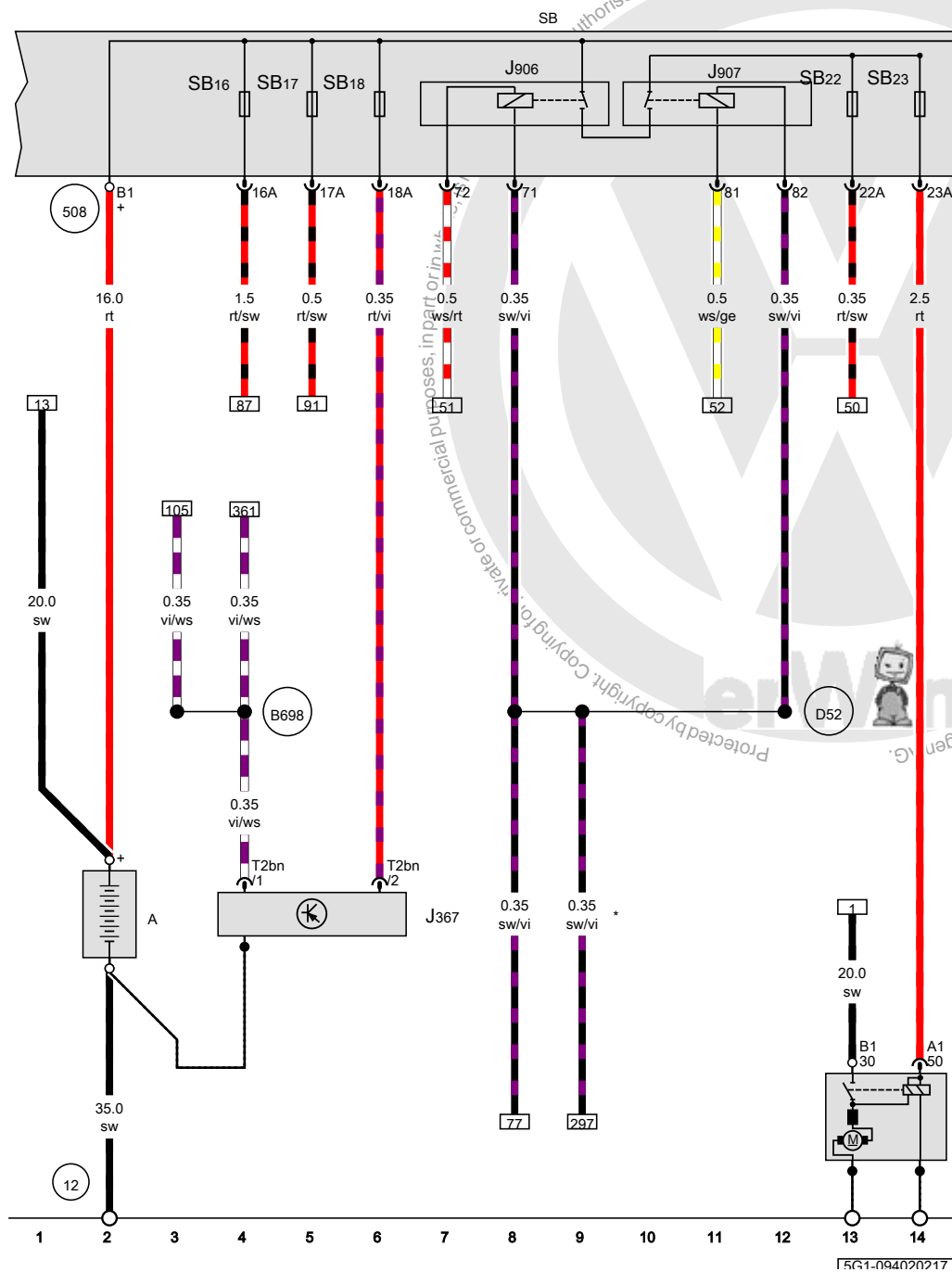


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

2.0l petrol engine , CJXB,CJXC,CJXE

From November 2015

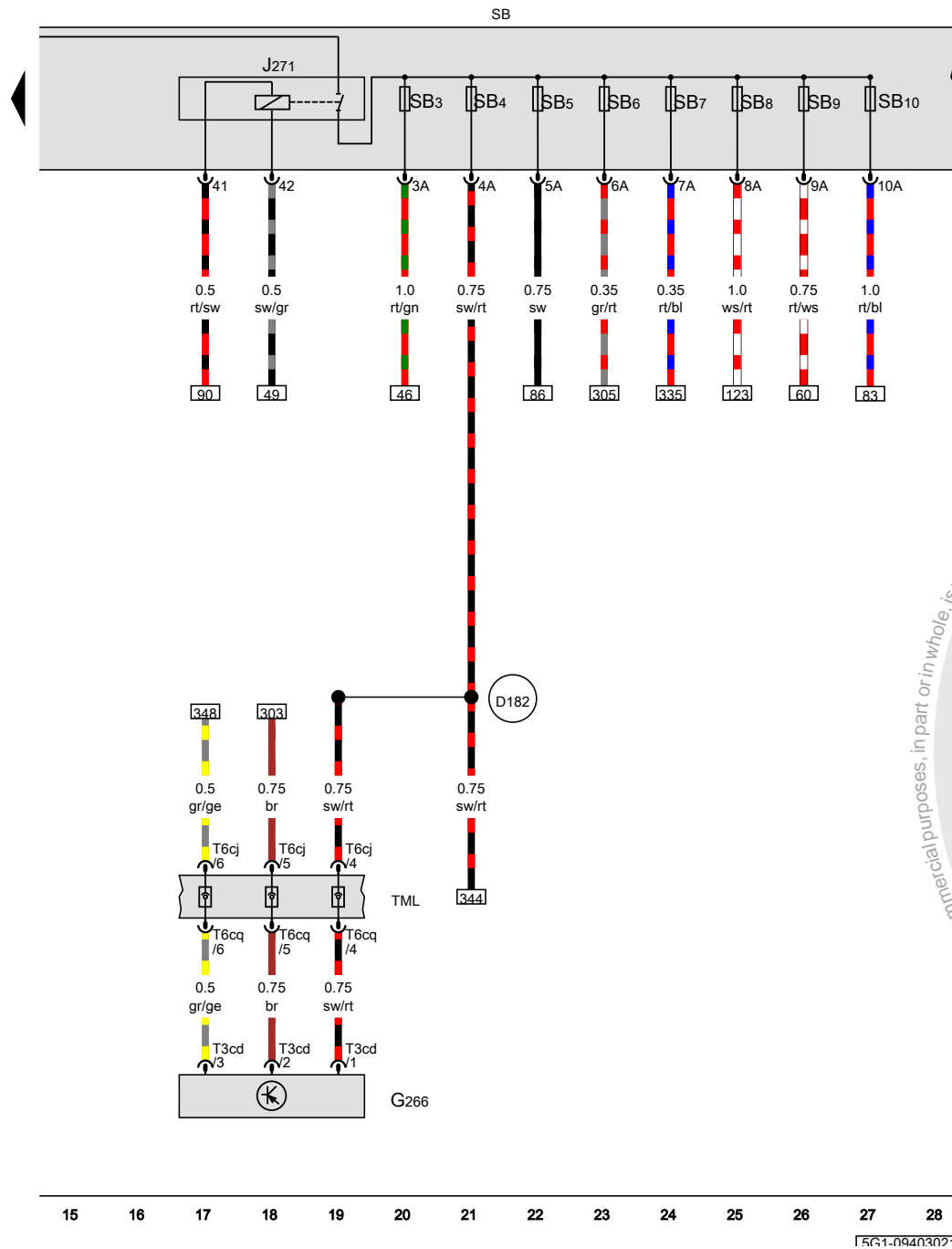




Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Only models with manual gearbox

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

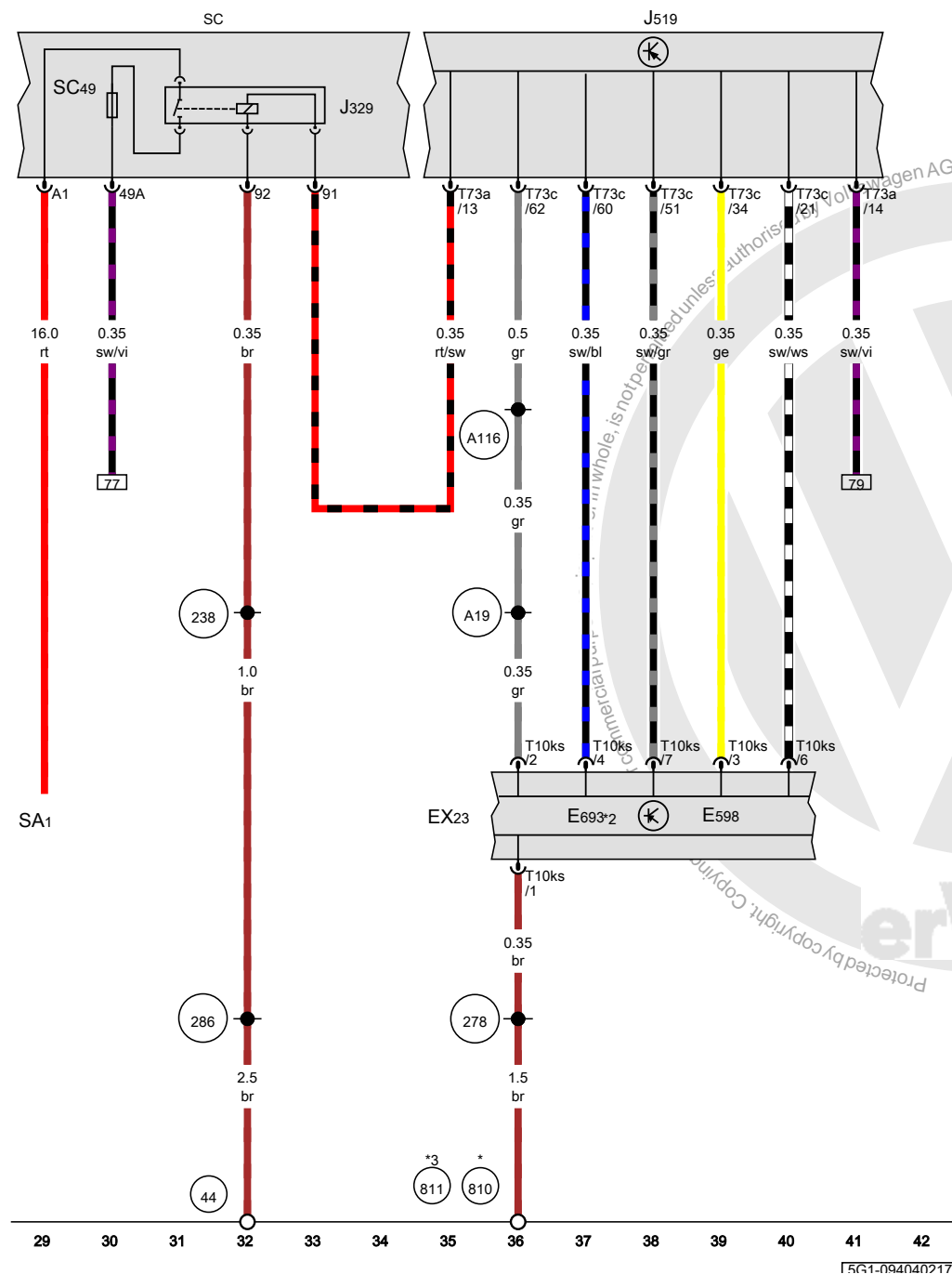


Oil level and oil temperature sender, Main relay, Fuse holder B

- G266 Oil level and oil temperature sender
- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- TML Coupling point in engine compartment, left

D182 Connection 3 (87a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Driving program button, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E693 Start/Stop operation button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

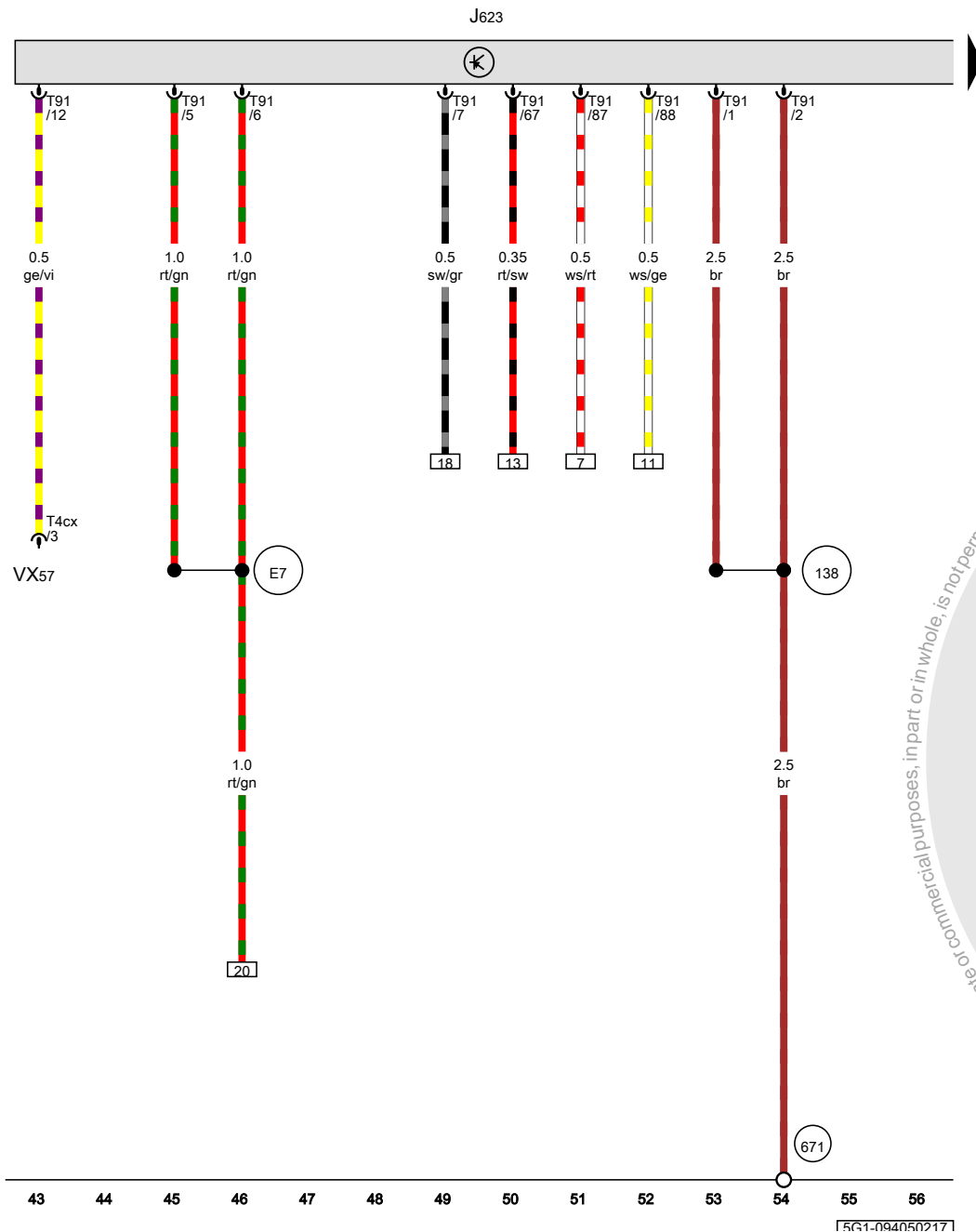
Engine control unit

J623 Engine control unit
T4cx 4-pin connector, black
T91 91-pin connector, black
VX57 Radiator fan

138 Earth connection (control unit), in Motronic wiring harness

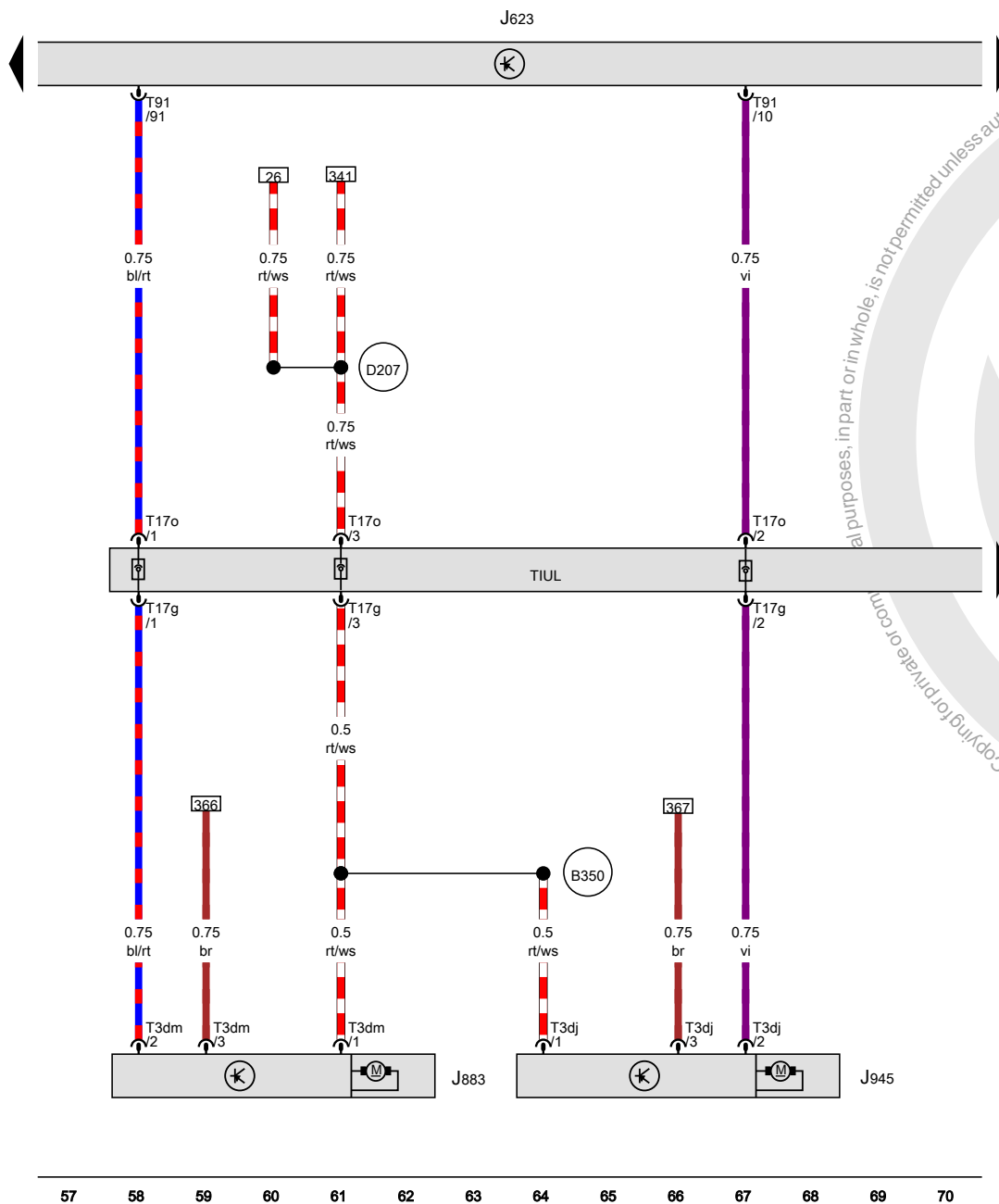
671 Earth point 1, on front of left longitudinal member

E7 Connection (87a), in Motronic wiring harness



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

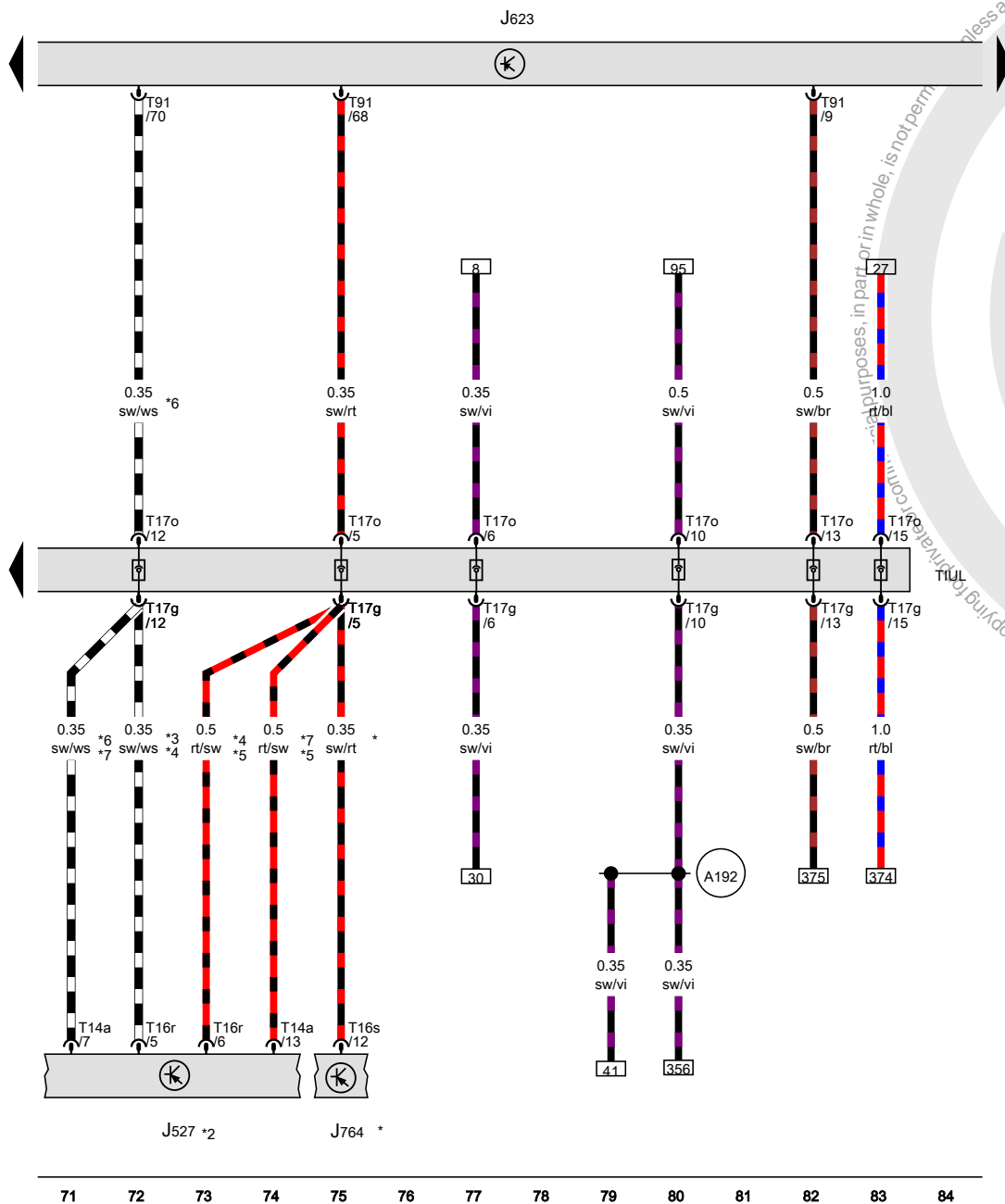
Engine control unit, Exhaust flap control unit, Exhaust flap control unit 2



- J623 Engine control unit
- J883 Exhaust flap control unit
- J945 Exhaust flap control unit 2
- T3dj 3-pin connector
- T3dm 3-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- B350 Positive connection 1 (87a) in main wiring harness
- D207 Connection 7 (87a), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Steering column electronics control unit, Engine control unit,
Control unit for electronic steering column lock



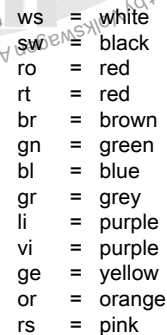
- J527 Steering column electronics control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

- * Only models with entry and start authorisation see applicable current flow diagram
- *2 Only models with cruise control system
- *4 Only models with no heated steering wheel
- *5 Only models with no entry and start authorisation
- *6 Only models with cruise control system (CCS)
- *7 Only models with heated steering wheel

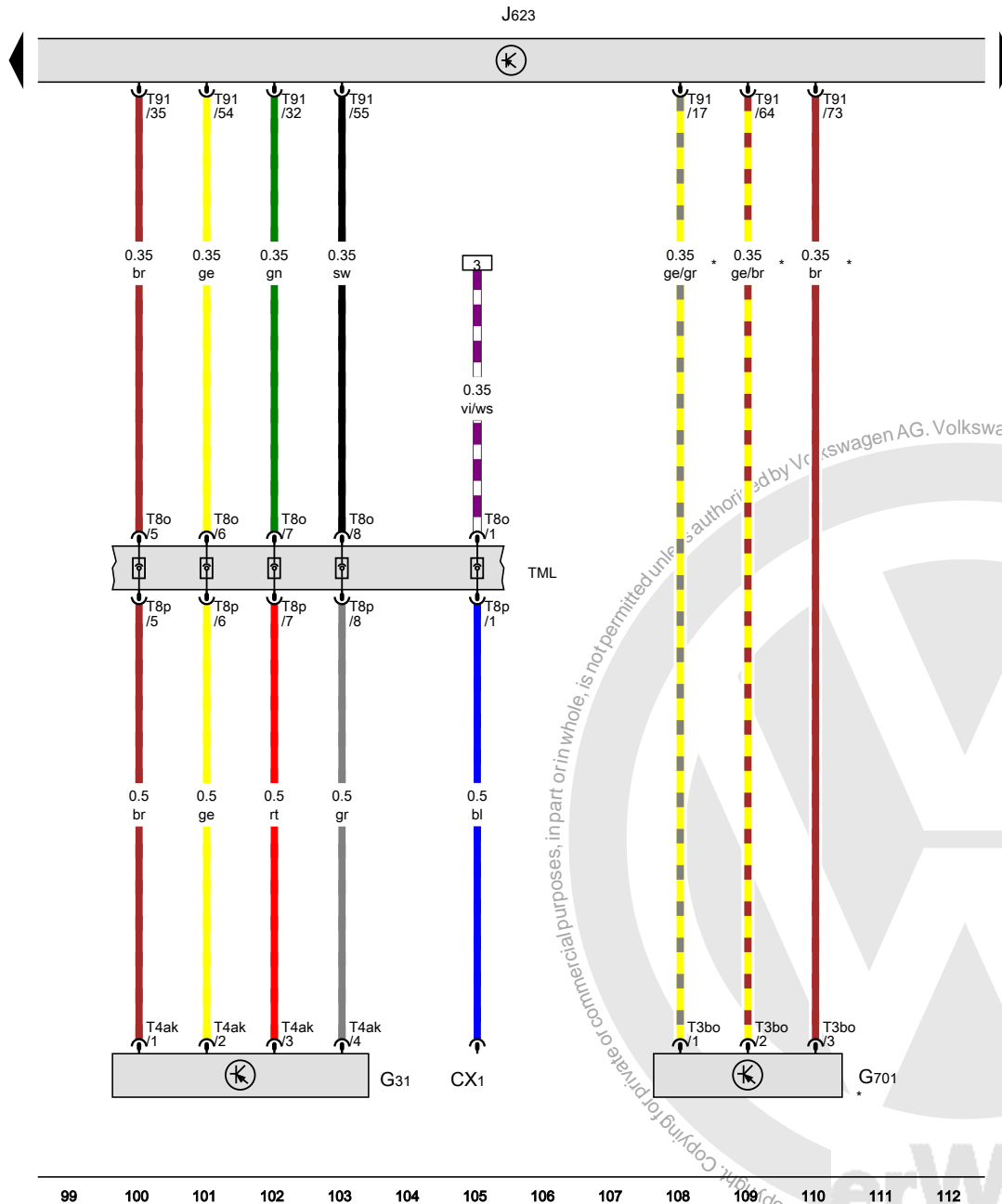
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15G1-0940702171



Charge pressure sender, Gearbox neutral position sender, Engine control unit

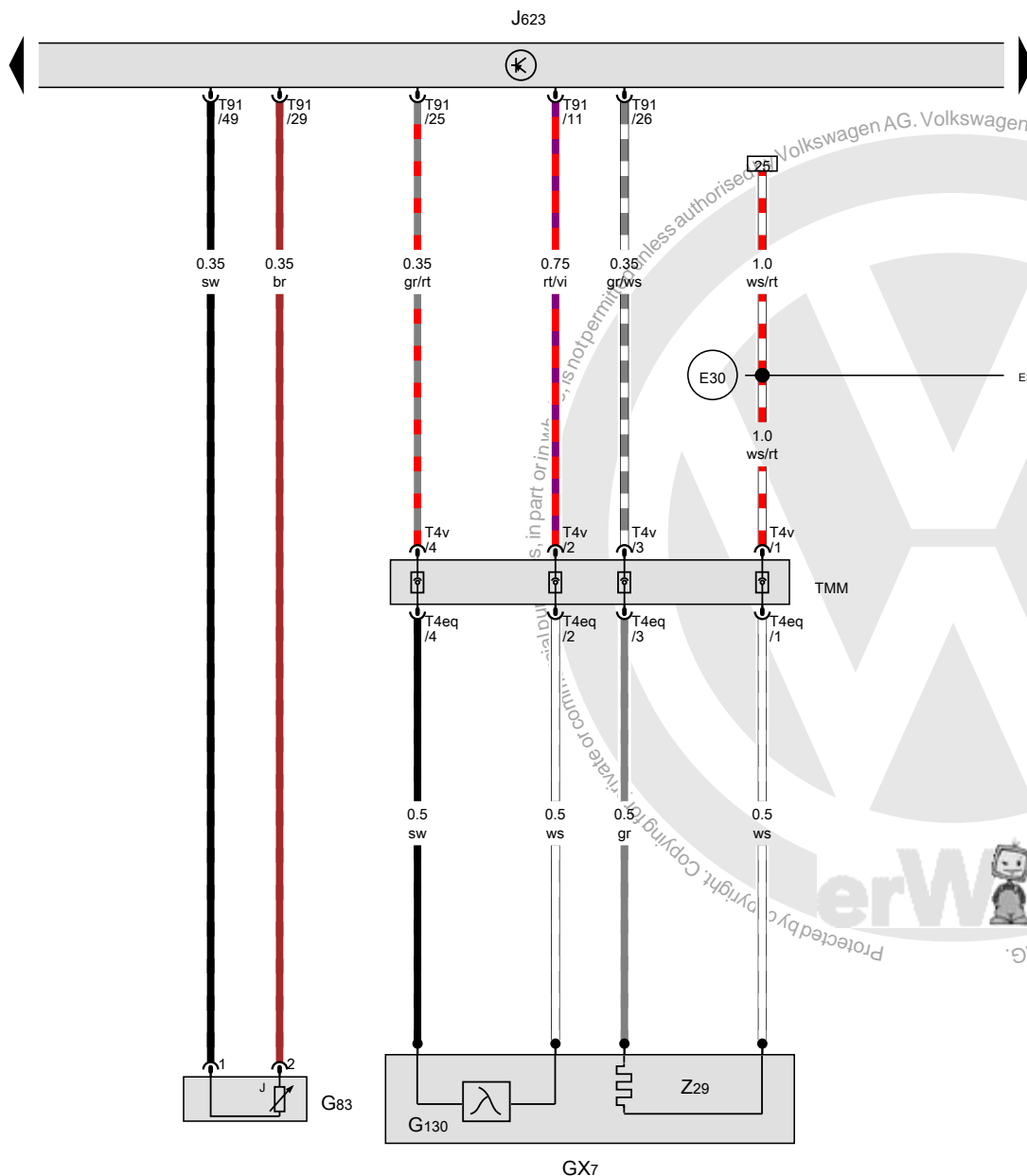
- CX1 Alternator with voltage regulator
- G31 Charge pressure sender
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T3bo 3-pin connector
- T4ak 4-pin connector
- T8o 8-pin connector, black
- T8p 8-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- * Only models with manual gearbox



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe 1 after catalytic converter, Radiator outlet coolant temperature sender, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- G83 Radiator outlet coolant temperature sender
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4eq 4-pin connector, black
- T4v 4-pin connector
- T91 91-pin connector, black
- TMM Coupling point in engine compartment, centre, near brake fluid reservoir
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness

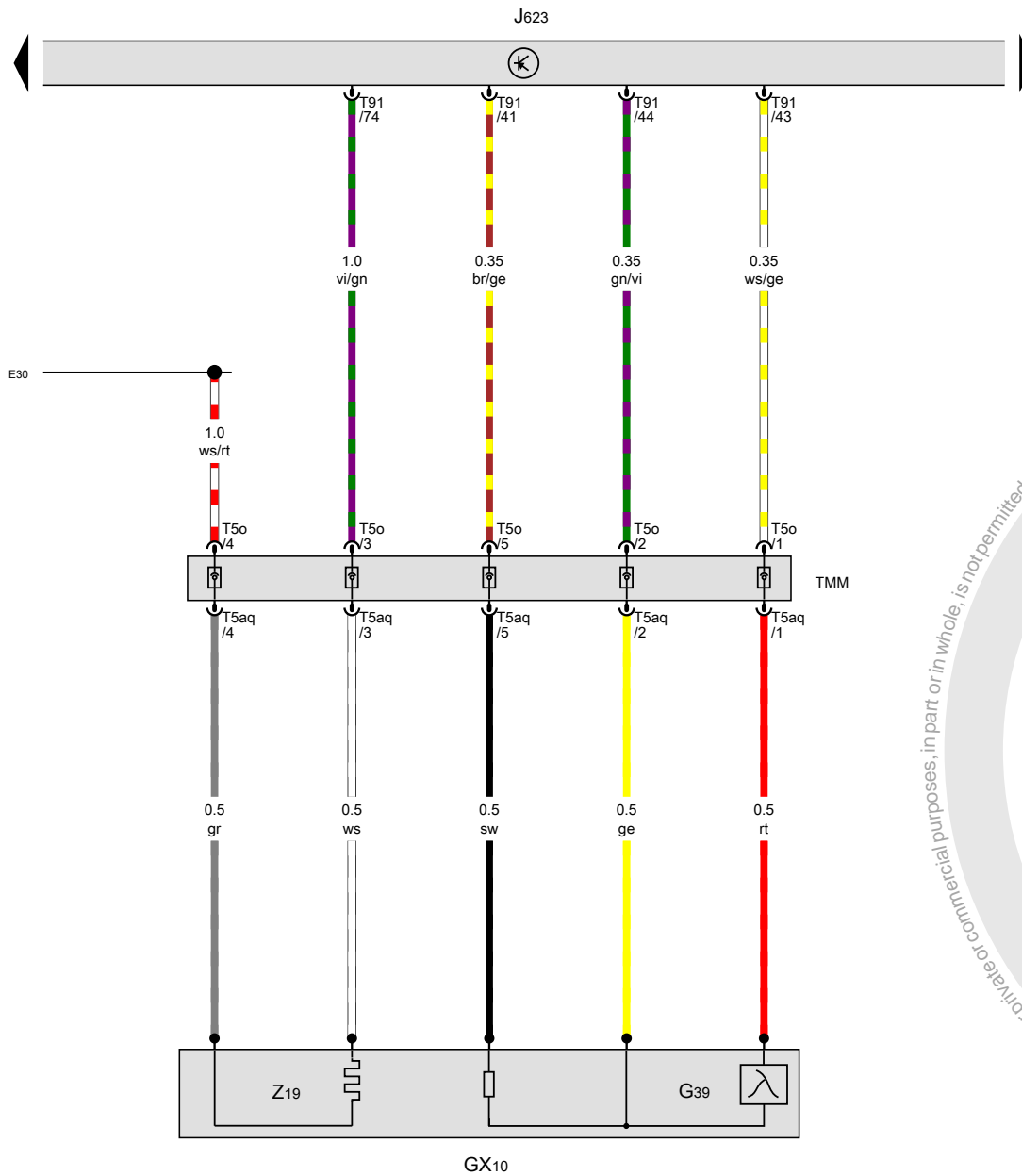


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = pink
- vi = purple
- ge = yellow
- or = orange
- rs = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

[5G1-094100217]

Lambda probe 1 before catalytic converter, Engine control unit



GX10 Lambda probe 1 before catalytic converter

G39 Lambda probe

J623 Engine control unit

T5aq 5-pin connector, grey

T50 5-pin connector

T91 91-pin connector, black

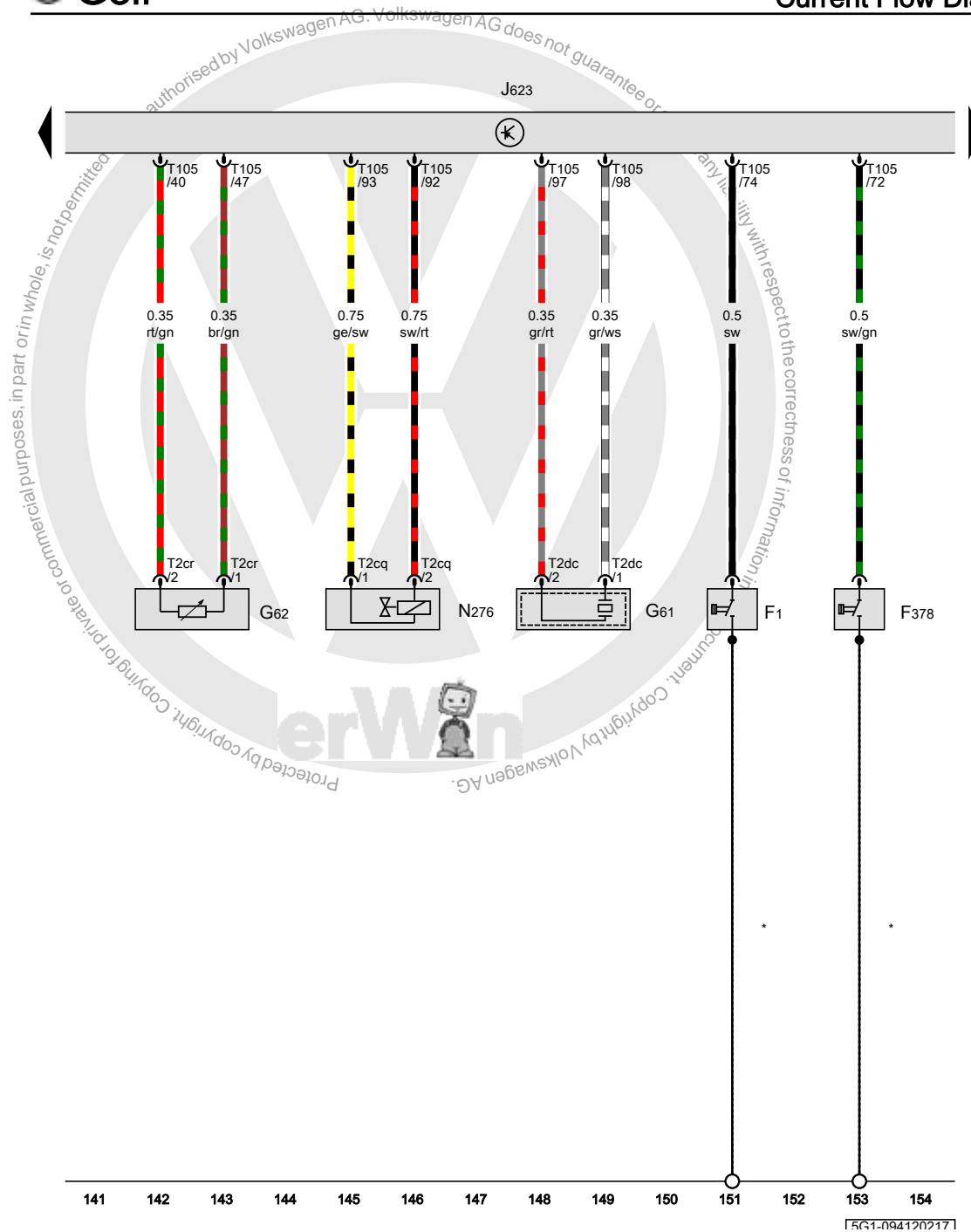
TMM Coupling point in engine compartment, centre, near brake fluid reservoir

Z19 Lambda probe heater

E30 Connection (87a), in engine wiring harness



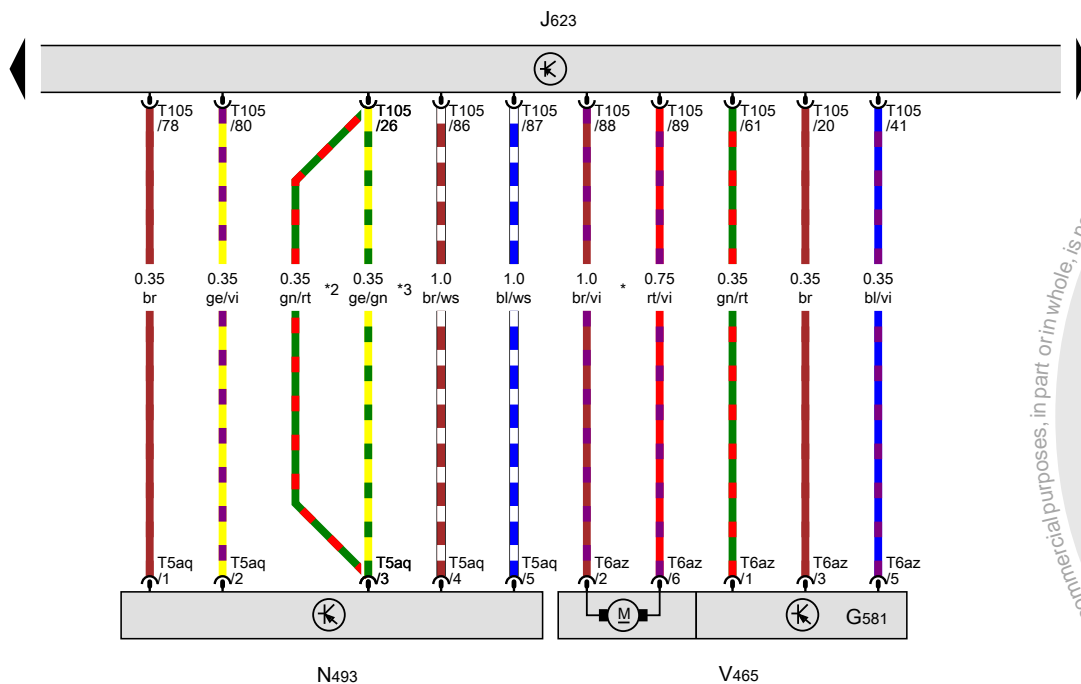
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 sw = black
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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Knock sensor 1, Coolant temperature sender, Engine control unit, Fuel pressure regulating valve

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- T2cq 2-pin connector, black
- T2cr 2-pin connector, yellow
- T2dc 2-pin connector, yellow
- T105 105-pin connector, black
- * Earth supply via housing

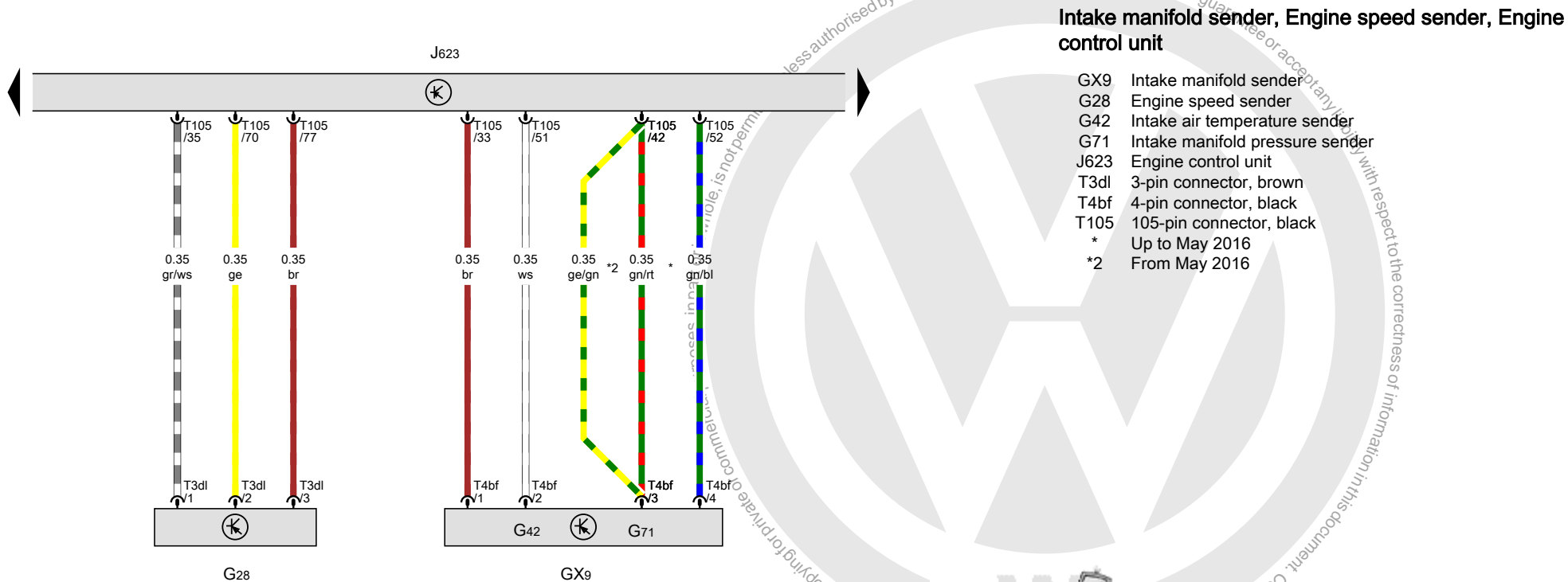
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



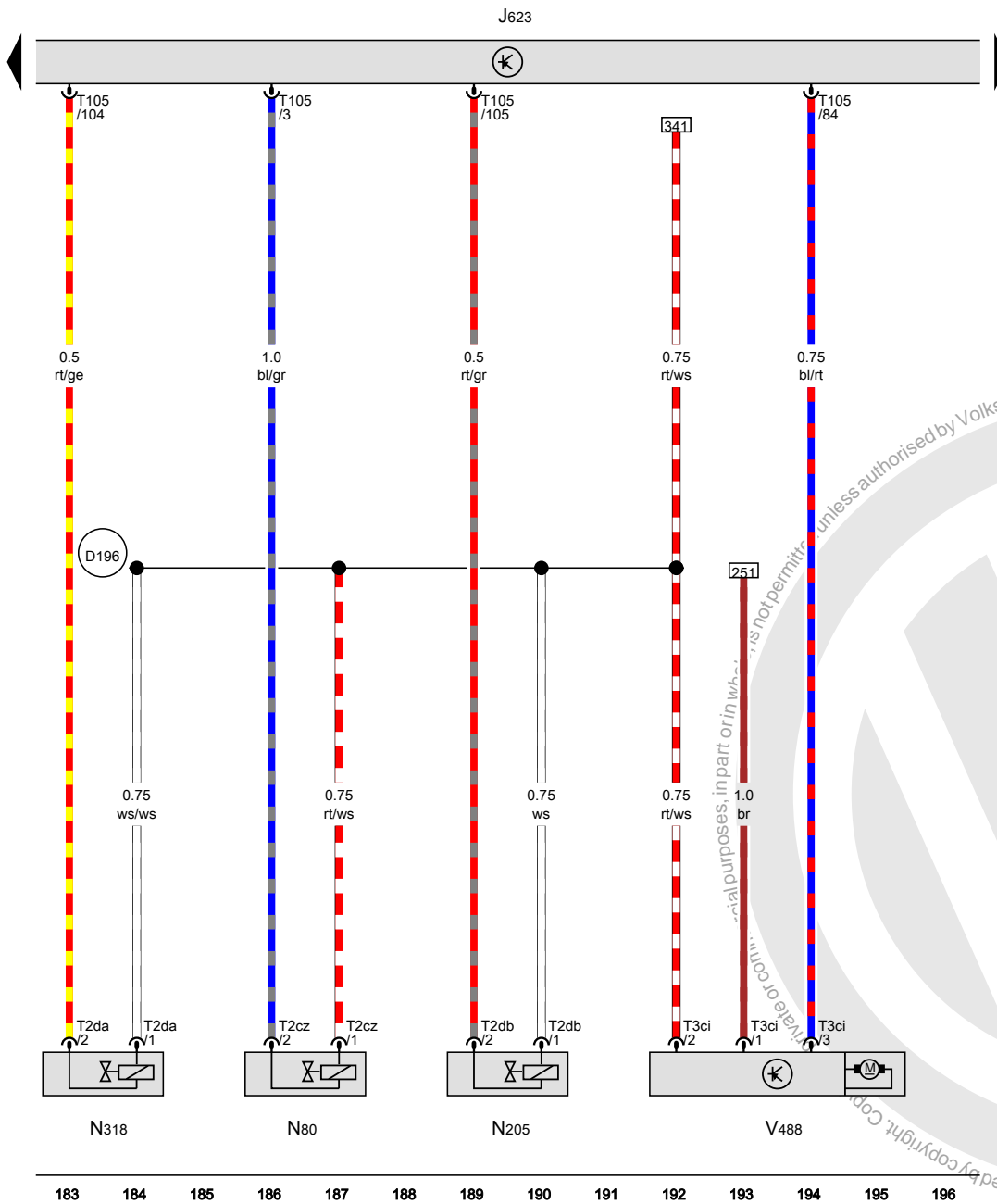
Position sender for charge pressure positioner, Engine control unit, Actuator for engine temperature regulation, Charge pressure positioner

- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N493 Actuator for engine temperature regulation
- T5aq 5-pin connector, grey, black
- T6az 6-pin connector, grey
- T105 105-pin connector, black
- V465 Charge pressure positioner
- * Only models with Euro 6 plus emission standard
- *2 Up to May 2016
- *3 From May 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



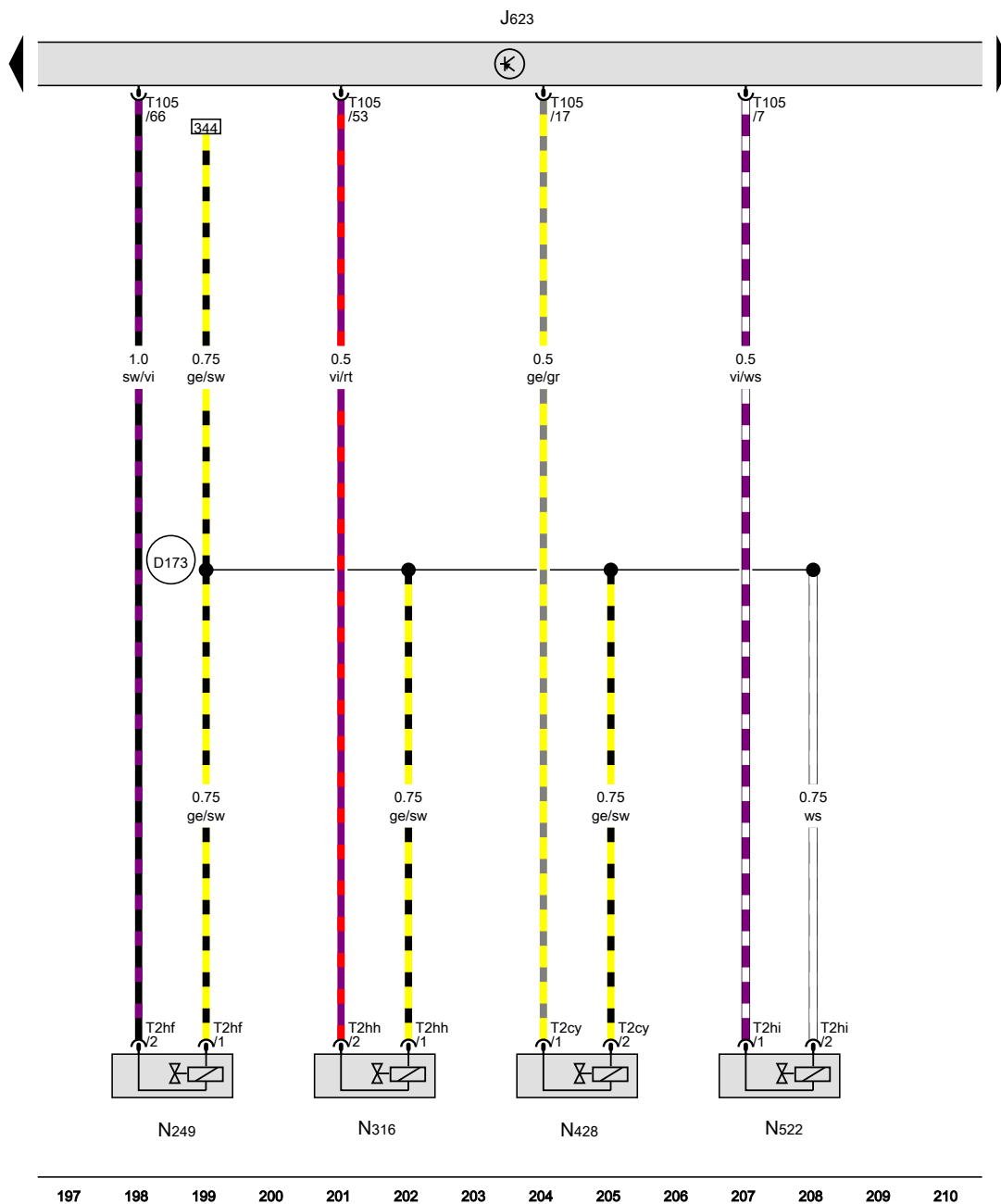
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Auxiliary pump for heating

- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- T2cz 2-pin connector, yellow
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3ci 3-pin connector, black
- T105 105-pin connector, black
- V488 Auxiliary pump for heating
- D196 Connection 2 (87a) in engine prewiring harness

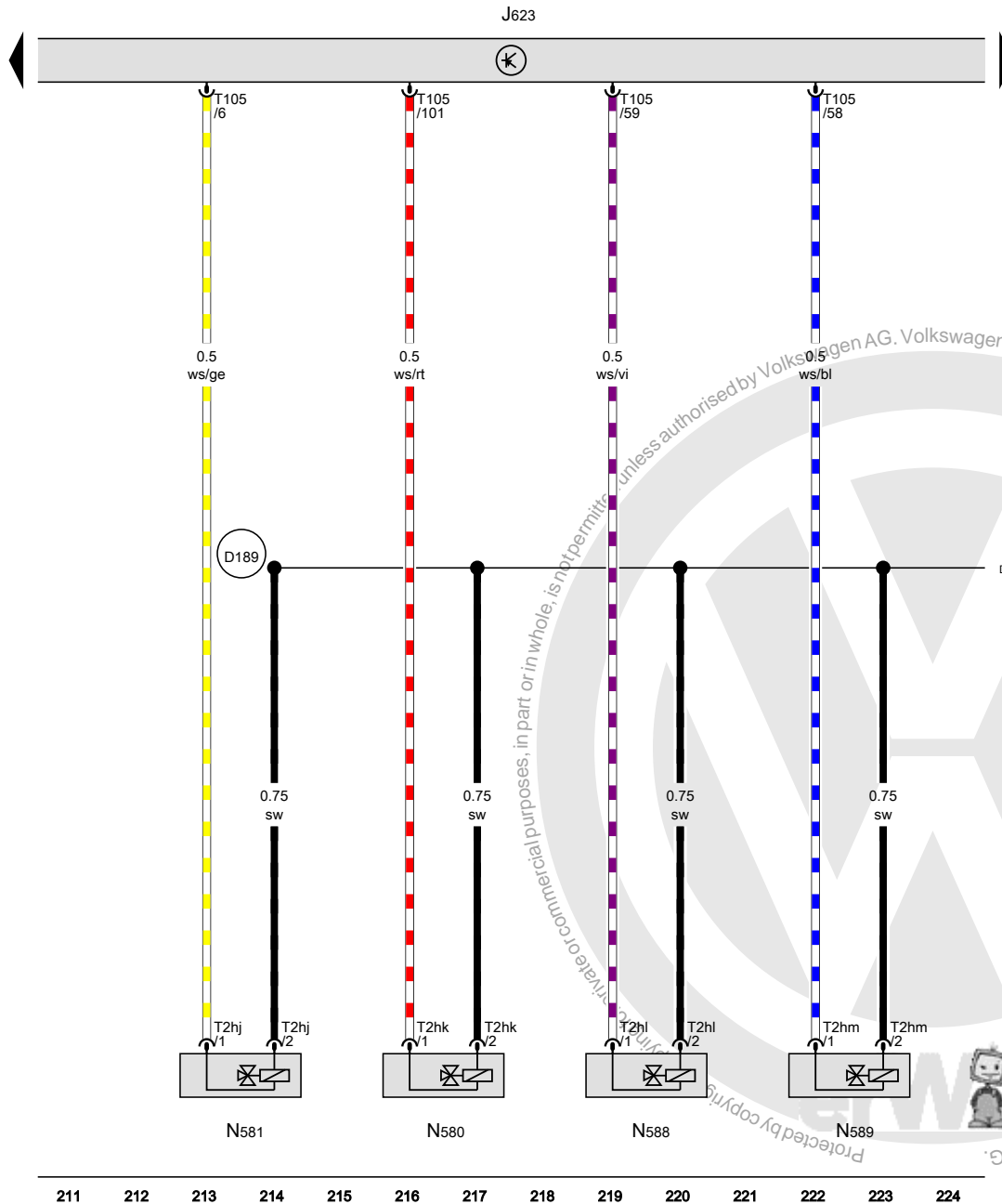
ws = white
 sw = black
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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine control unit, Turbocharger air recirculation valve,
Intake manifold flap valve, Valve for oil pressure control,
Piston cooling jet control valve

- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2cy 2-pin connector, black
- T2hf 2-pin connector, black
- T2hh 2-pin connector, black
- T2hi 2-pin connector, black
- T105 105-pin connector, black
- D173 Connection (87), in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

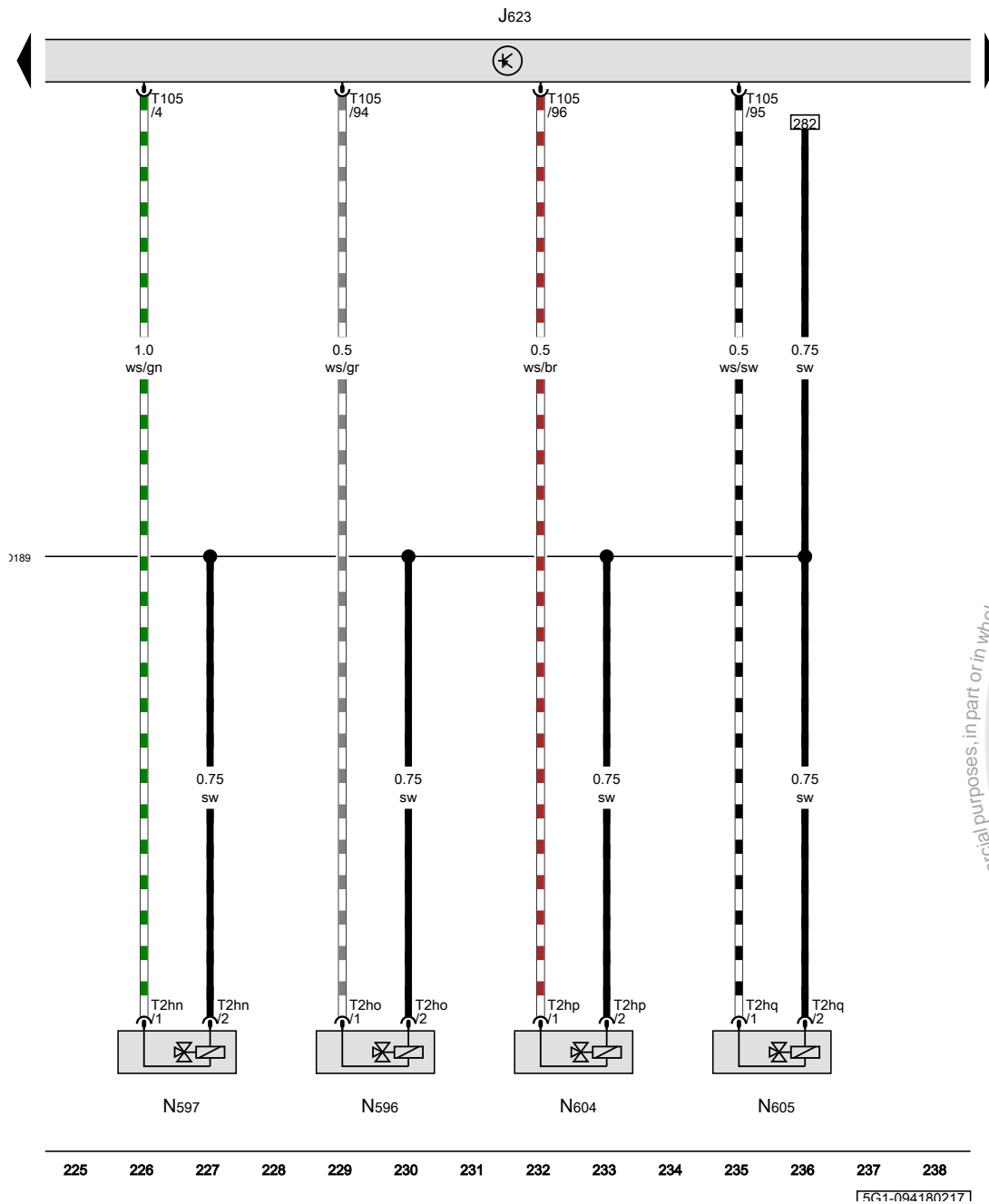


Engine control unit, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2, Exhaust cam actuator B for cylinder 2

- J623 Engine control unit
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- T2hj 2-pin connector, black
- T2hk 2-pin connector, black
- T2hl 2-pin connector, black
- T2hm 2-pin connector, black
- T105 105-pin connector, black

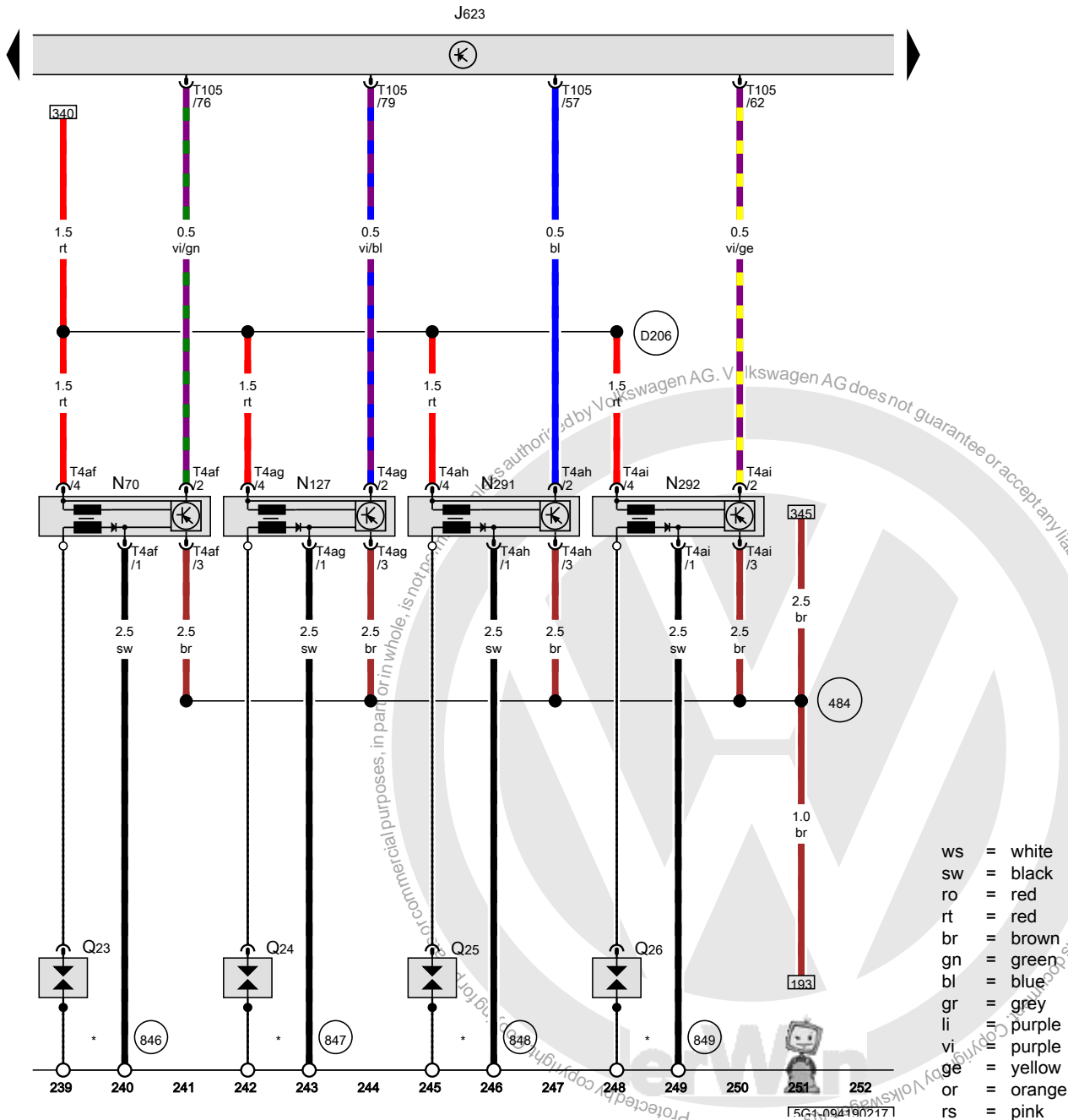
D189 Connection (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3, Exhaust cam actuator A for cylinder 4, Exhaust cam actuator B for cylinder 4

- J623 Engine control unit
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hn 2-pin connector, black
- T2ho 2-pin connector, black
- T2hp 2-pin connector, black
- T2hq 2-pin connector, black
- T105 105-pin connector, black
- D189 Connection (87a) in engine prewiring harness

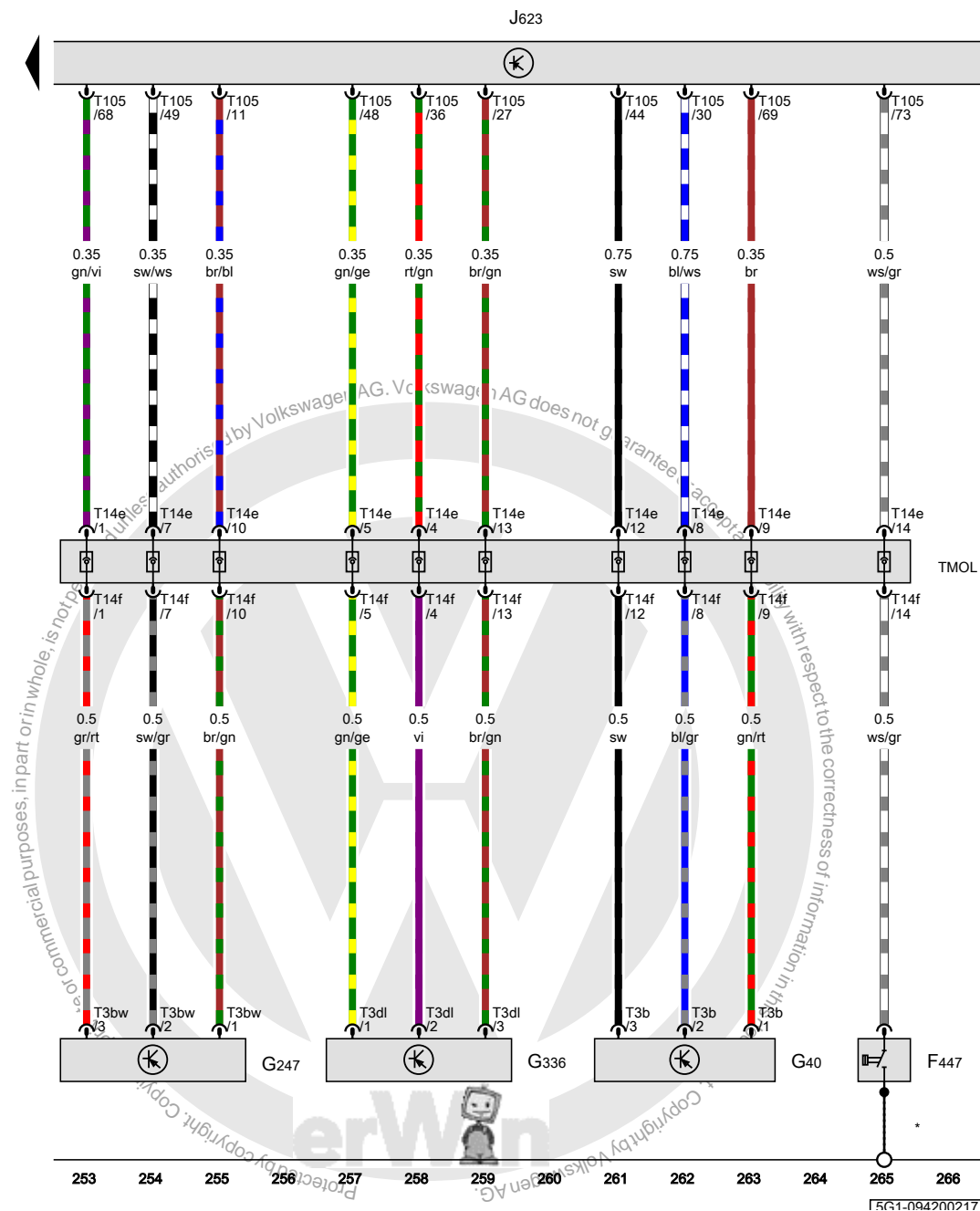


Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T105 105-pin connector, black

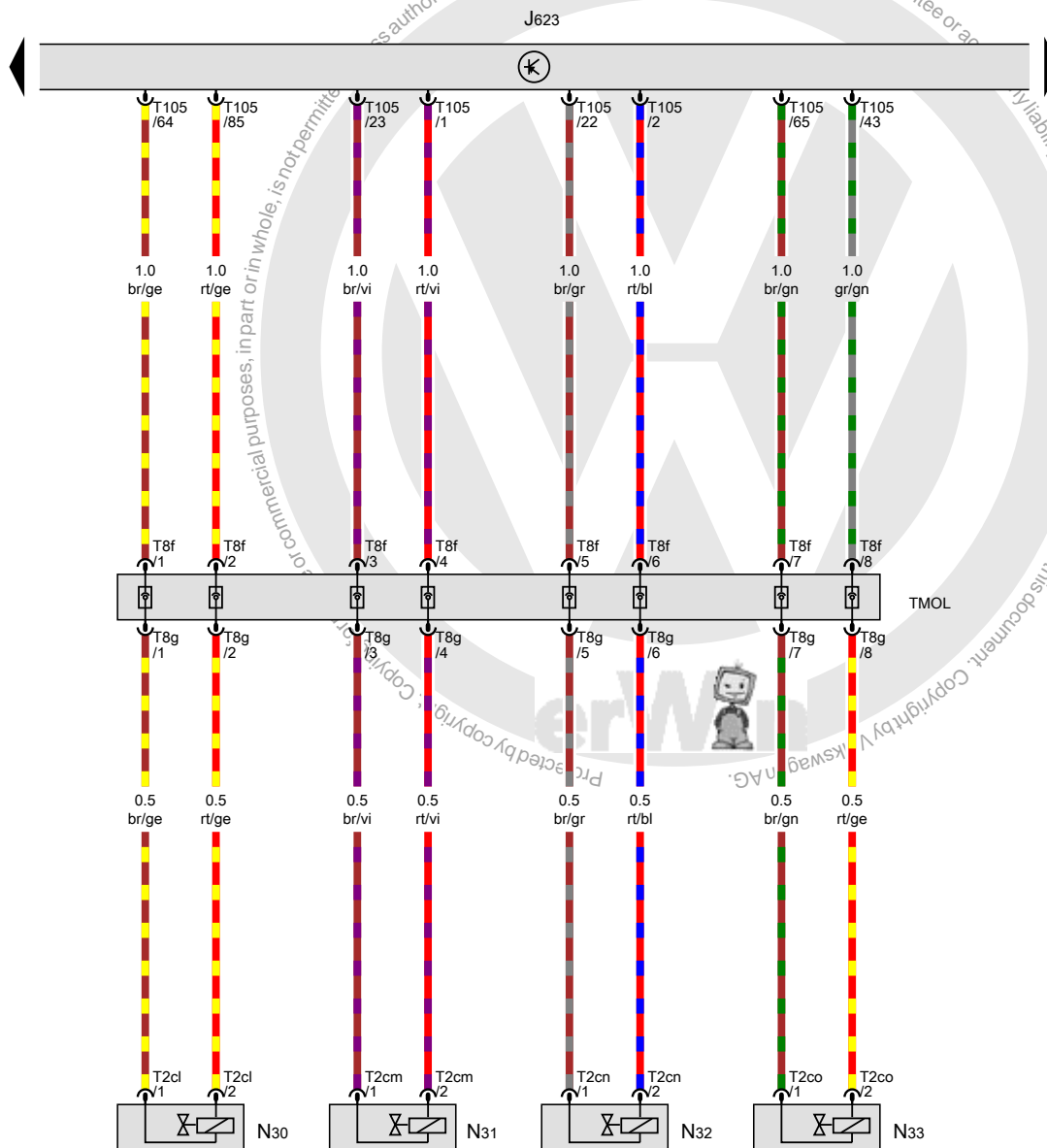
- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1, on ignition coil
- 847 Earth point on ignition coil 2, on ignition coil
- 848 Earth point on ignition coil 3, on ignition coil
- 849 Earth point on ignition coil 4, on ignition coil
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3dl 3-pin connector, black
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector, black
- TMOL Coupling point on engine, top left
- * Earth supply via housing

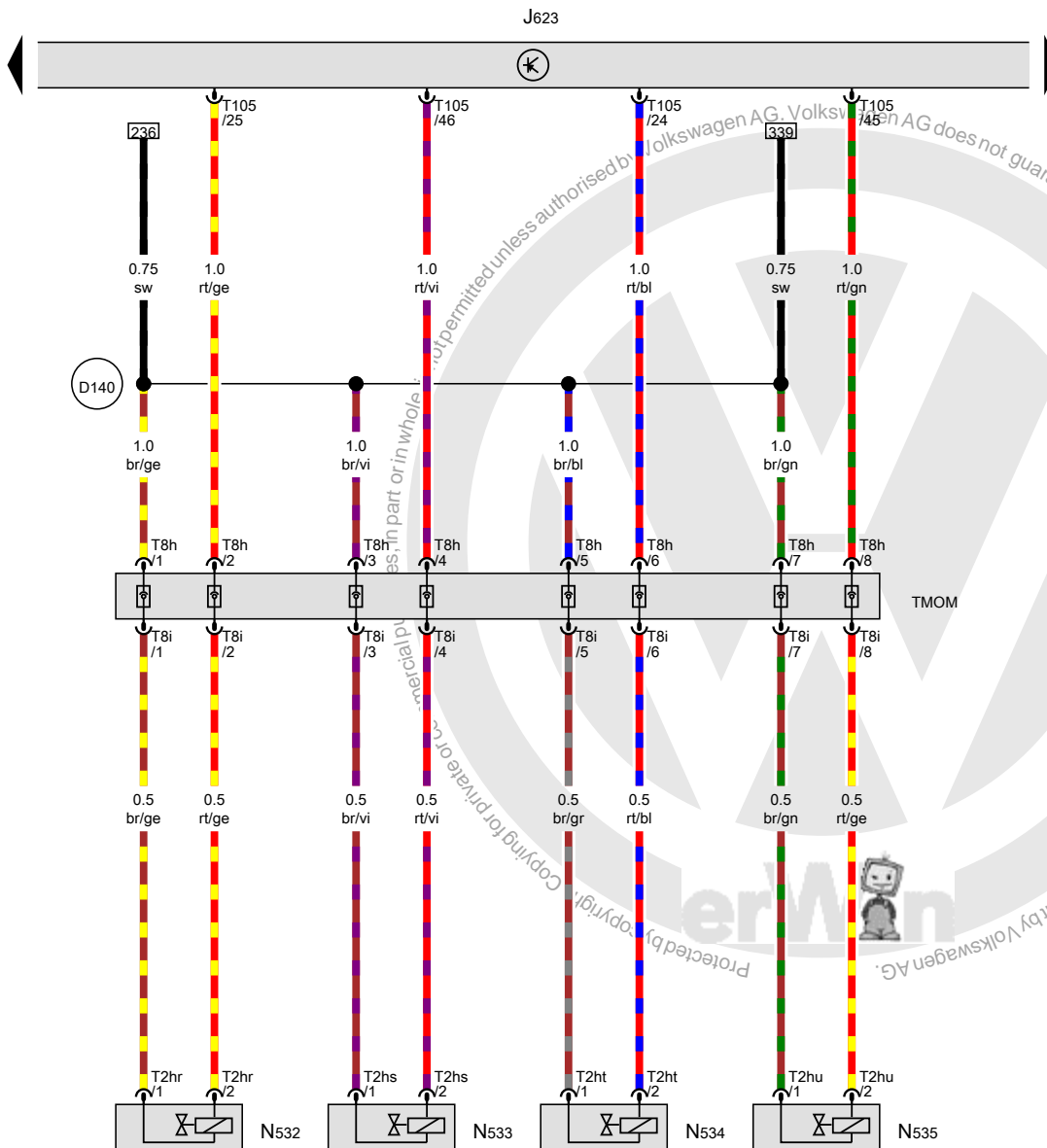


Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector, black
- TMOL Coupling point on engine, top left

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4



- J623 Engine control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2hr 2-pin connector, black
- T2hs 2-pin connector, black
- T2ht 2-pin connector, black
- T2hu 2-pin connector, black
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- T105 105-pin connector, black
- TMOM Coupling point on engine, top centre
- D140 Connection (injectors), in engine prewiring harness

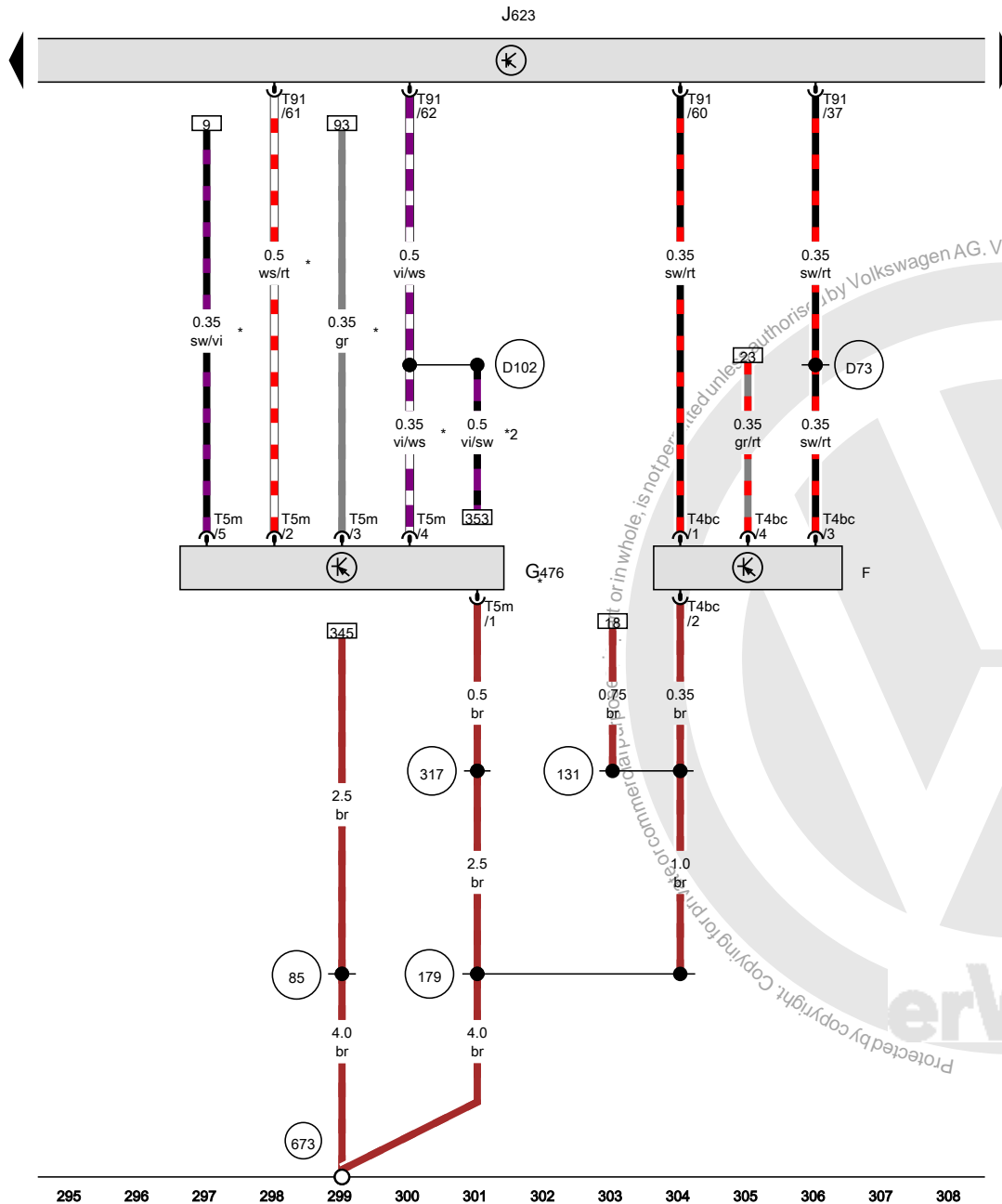
- ws = white
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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Brake light switch, Clutch position sender, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J623 Engine control unit
- T4bc 4-pin connector
- T5m 5-pin connector, black
- T91 91-pin connector, black

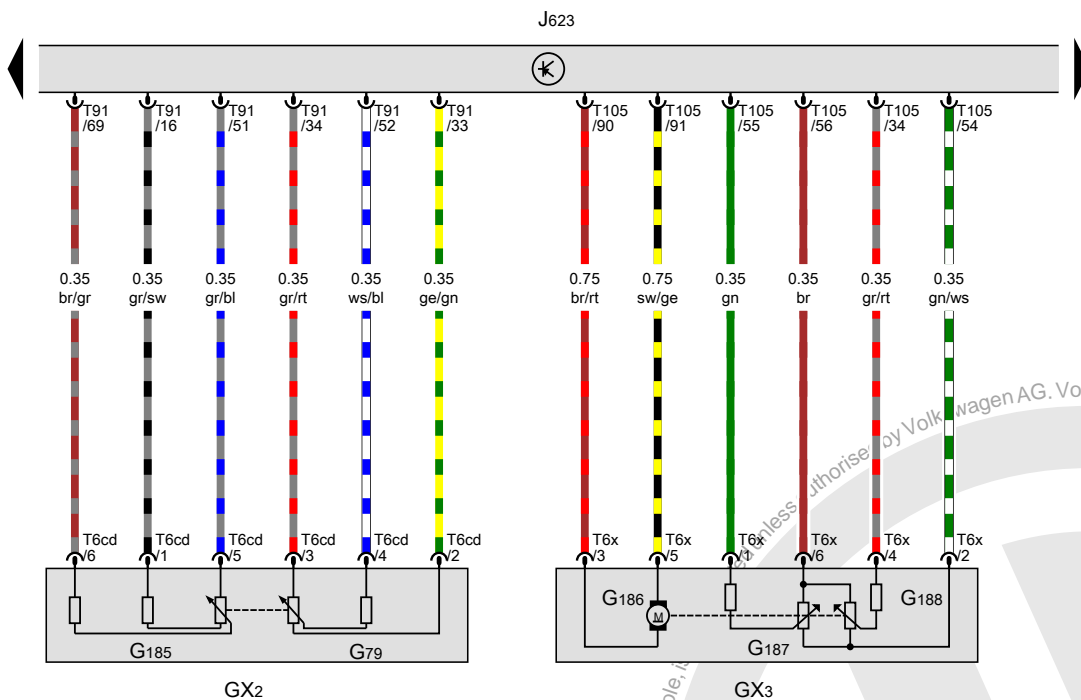
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with automatic gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

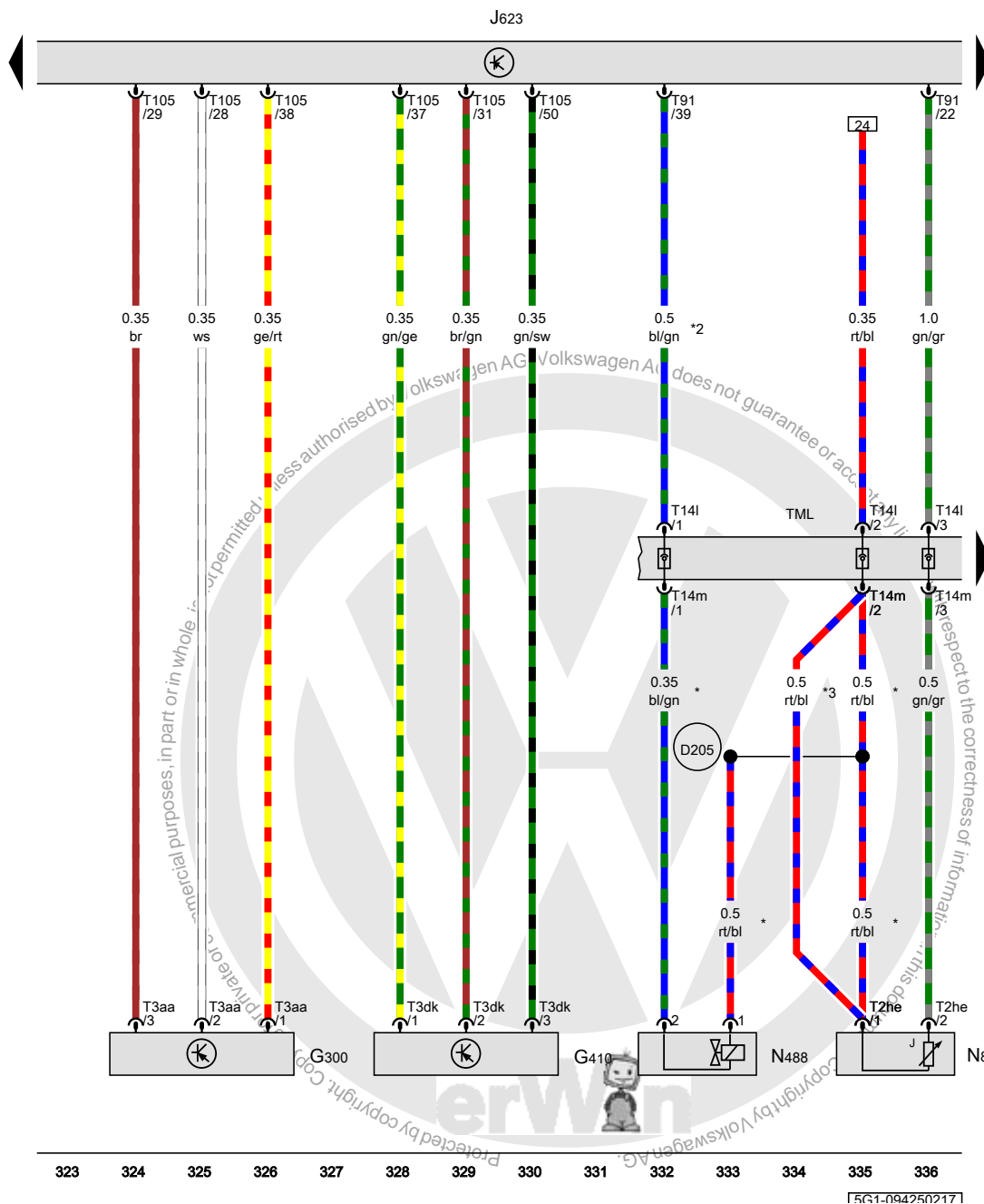


15G1-0942302171

Accelerator pedal module, Throttle valve module, Engine control unit

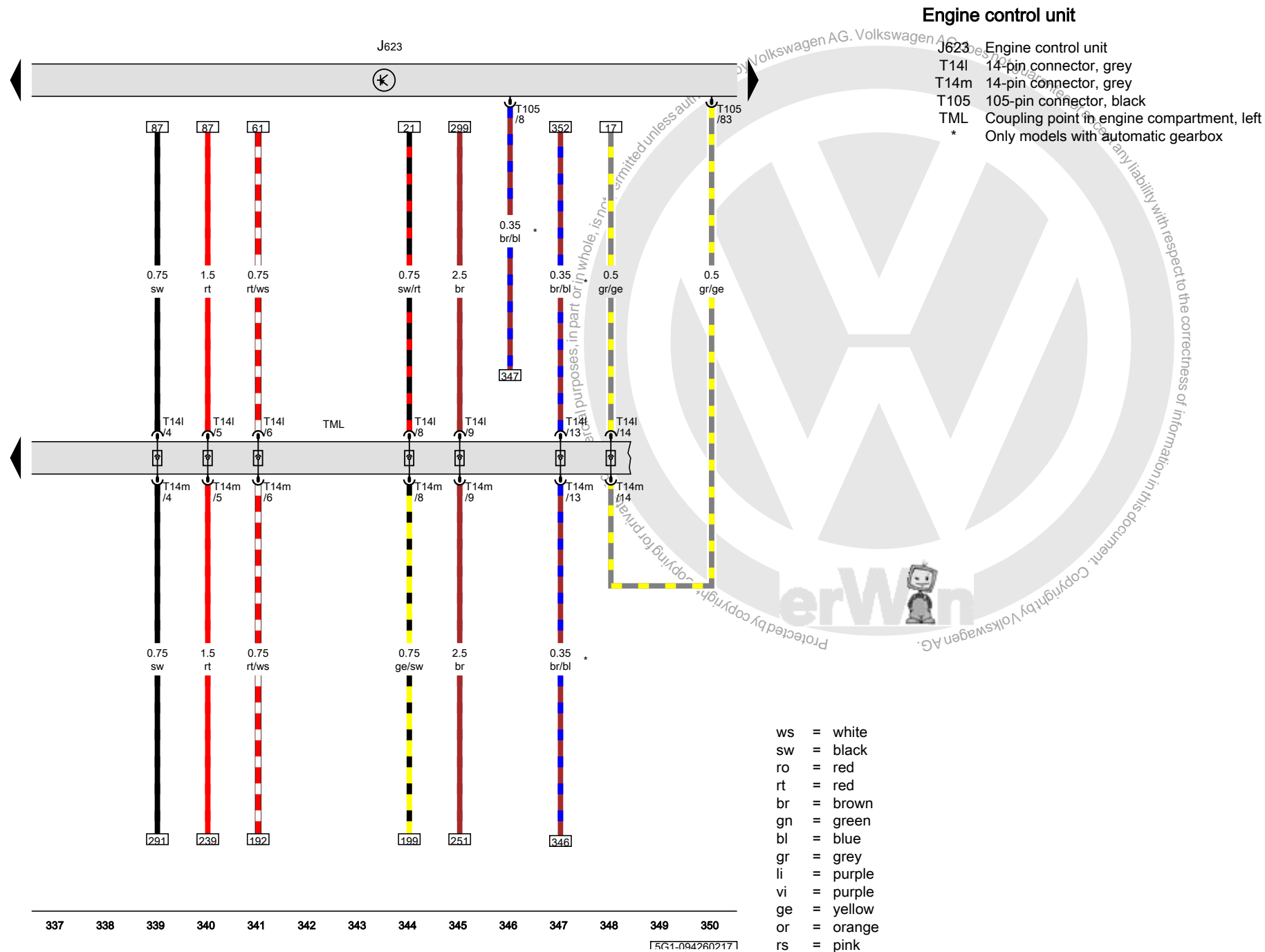


- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine control unit
- T6cd 6-pin connector, black
- T6x 6-pin connector
- T91 91-pin connector, black
- T105 105-pin connector, black

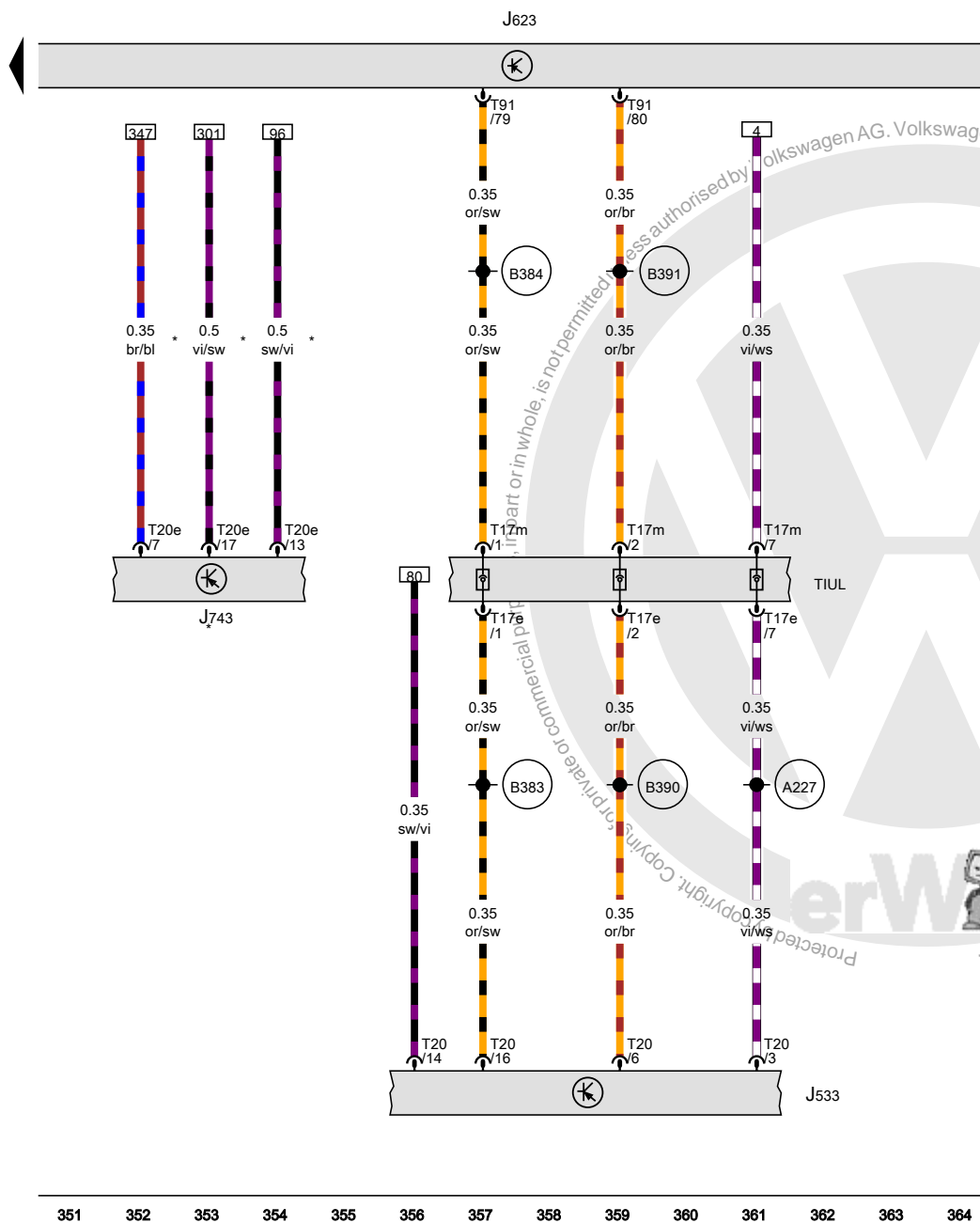


Hall sender 3, Fuel pressure sender for low pressure, Engine control unit, Coolant shut-off valve, Coolant valve for gearbox

- G300 Hall sender 3
- G410 Fuel pressure sender for low pressure
- J623 Engine control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2he 2-pin connector, black
- T3aa 3-pin connector, black
- T3dk 3-pin connector, blue
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector, black
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- D205 Connection 3 (87a) in engine prewiring harness
- * Only models with dual clutch gearbox (DSG)
- *2 Only models with automatic gearbox
- *3 Only models with manual gearbox



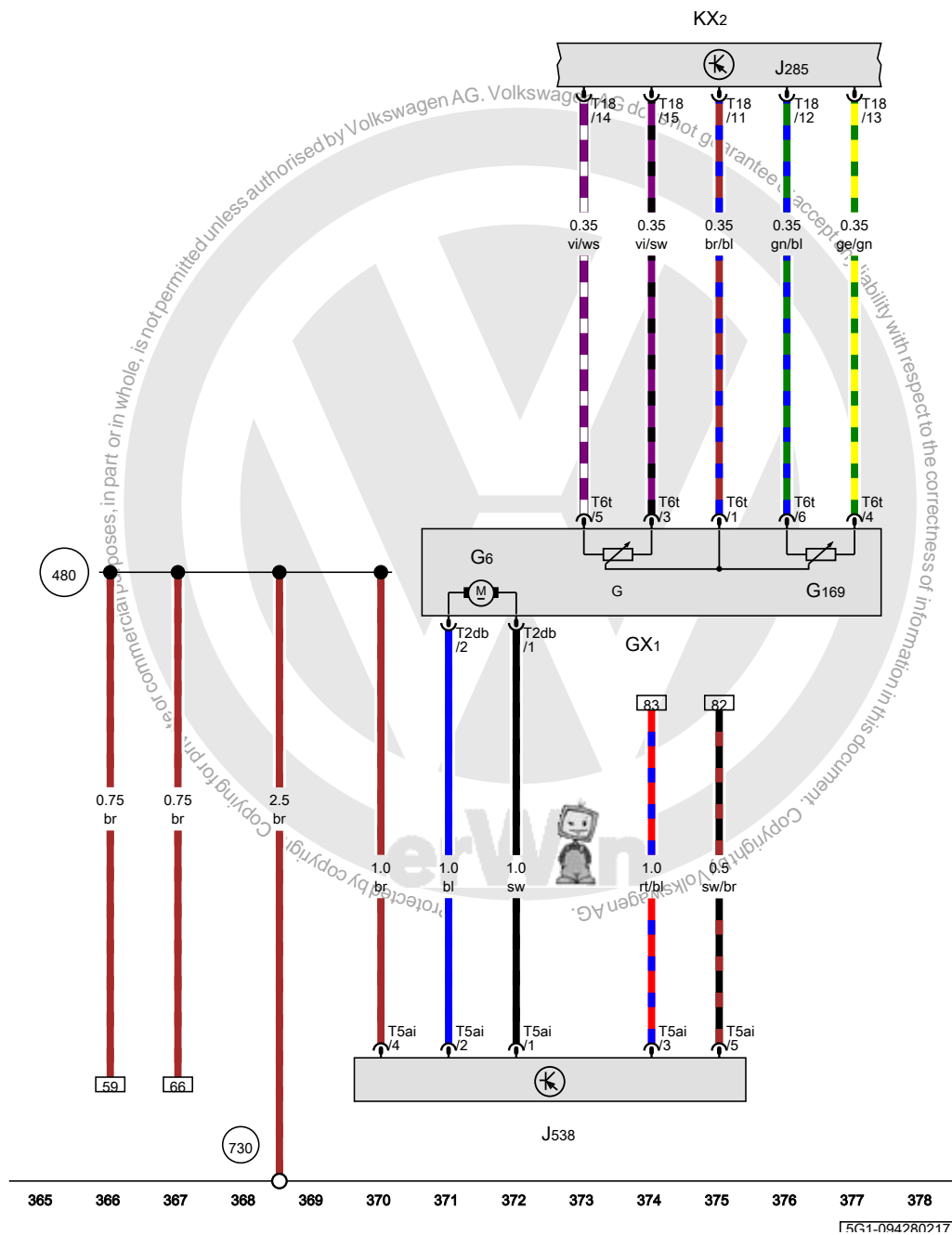
Data bus diagnostic interface, Engine control unit, Mechatronic unit for dual clutch gearbox



- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T20e 20-pin connector, black
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * Only models with automatic gearbox

Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T2db 2-pin connector
- T5ai 5-pin connector, black
- T6t 6-pin connector, black
- T18 18-pin connector, black
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing



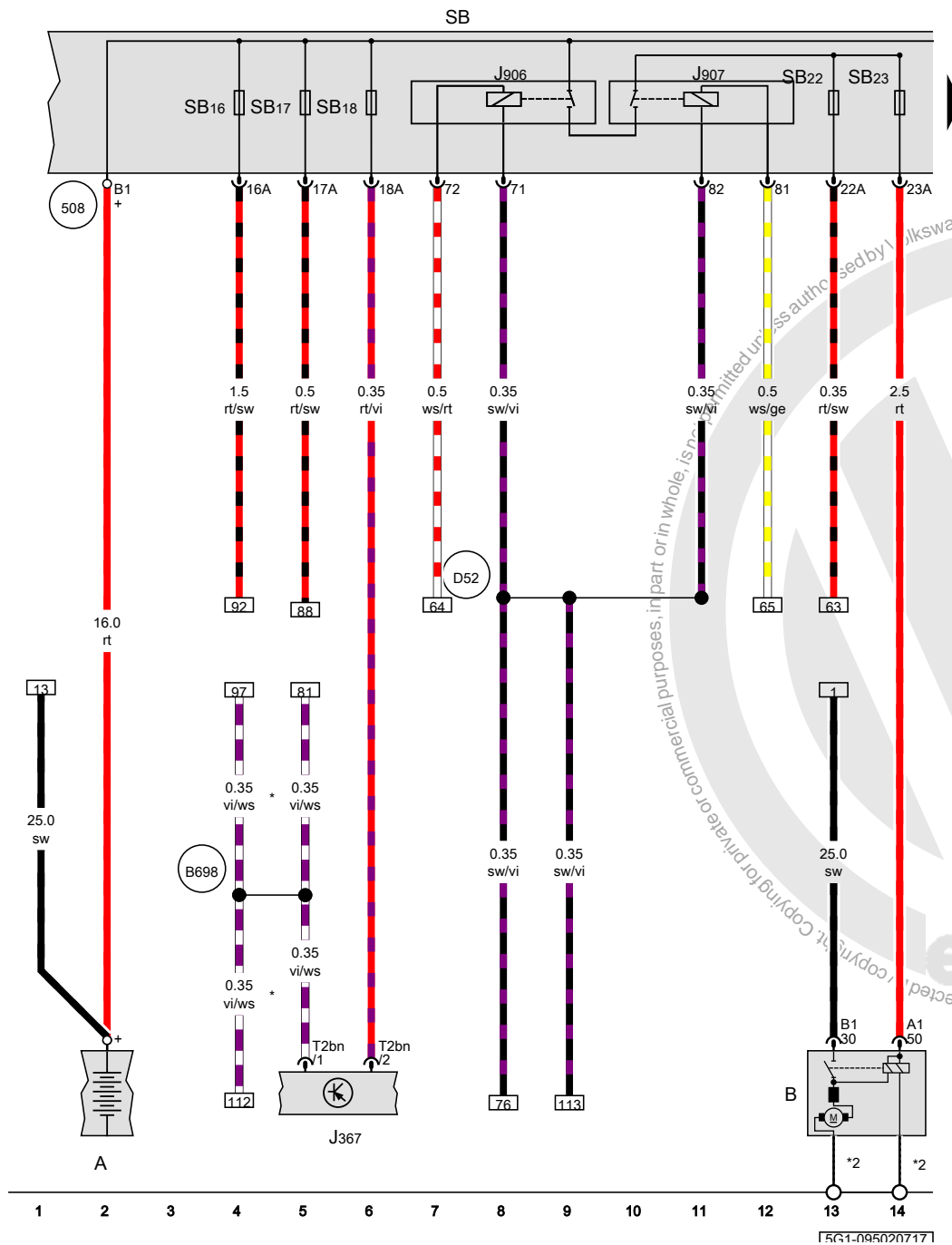
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.0l petrol engine , CHHA,CHHB,CNTA,CNTC,CXDA,DHGA,DLBA,DXDB

From November 2015

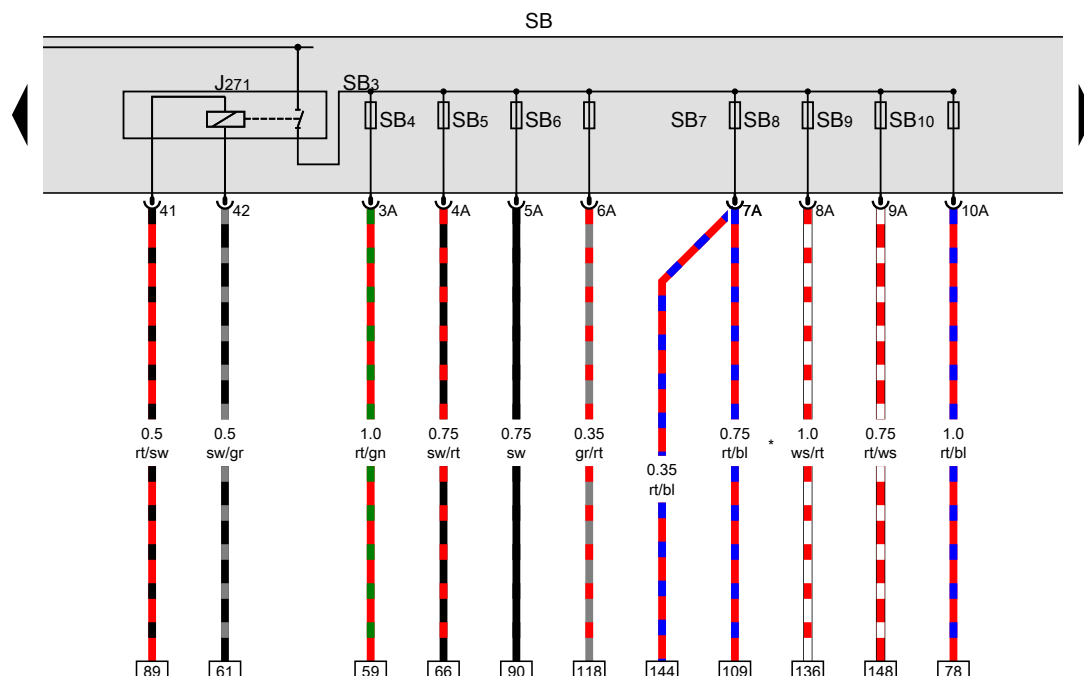


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B



- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, yellow
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * According to equipment
- *2 Earth supply via housing

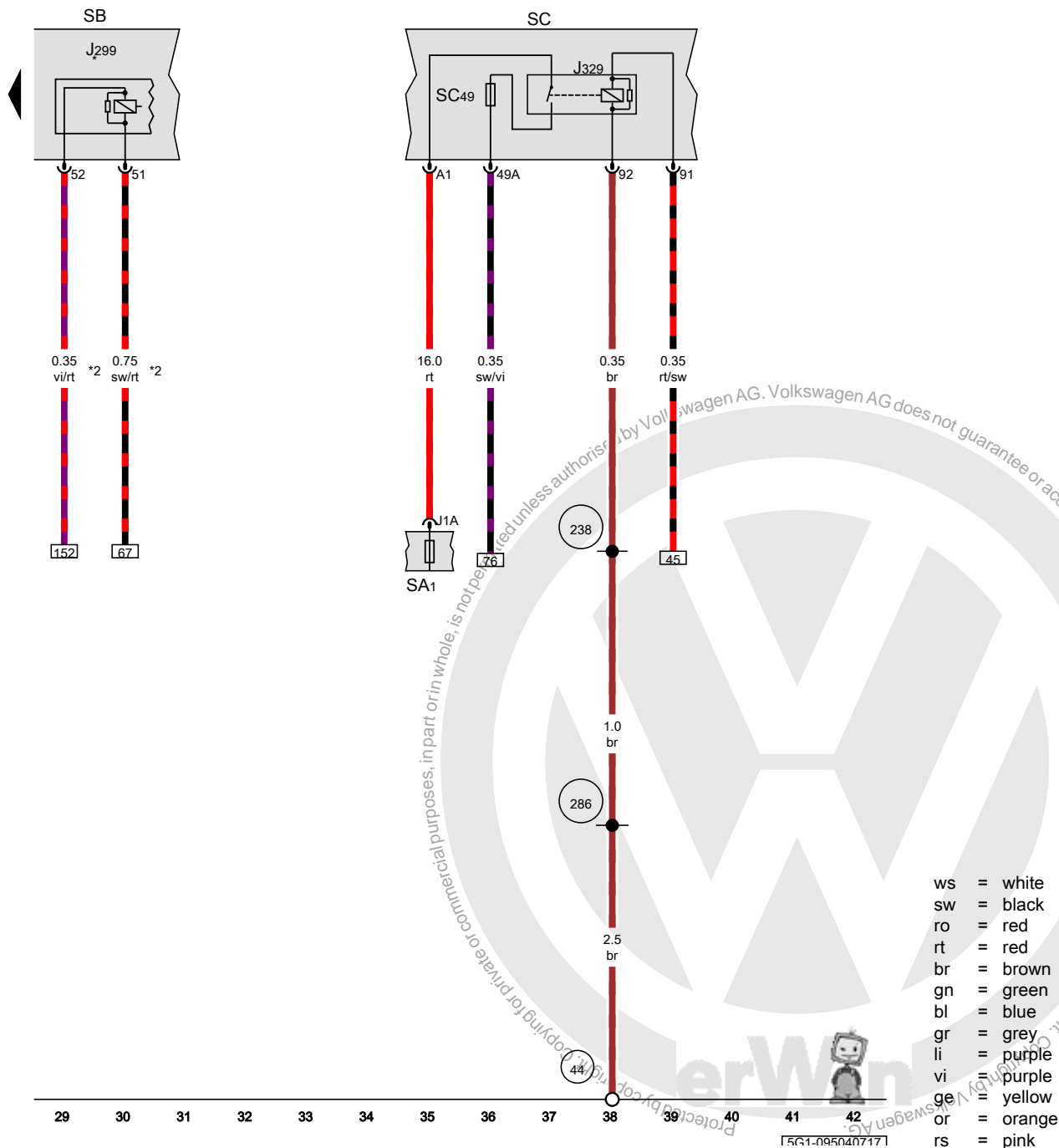
- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Terminal 15 voltage supply relay, Fuse holder B, Fuse holder C

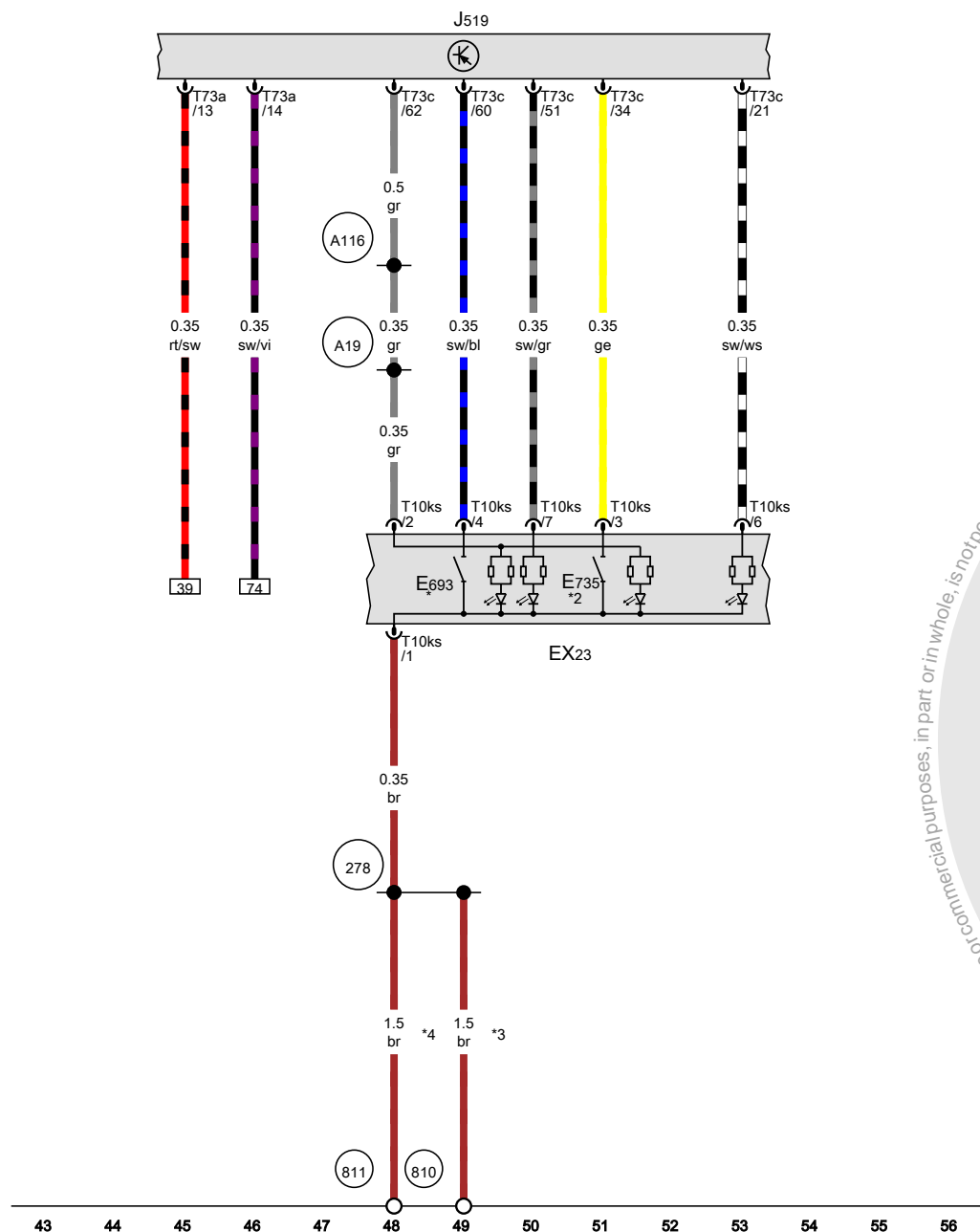
- J299 Secondary air pump relay
- J329 Terminal 15 voltage supply relay
- SA1 Fuse 1 on fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- * see applicable current flow diagram for fuse assignment
- *2 For models with equipment for Korea

Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Onboard supply control unit

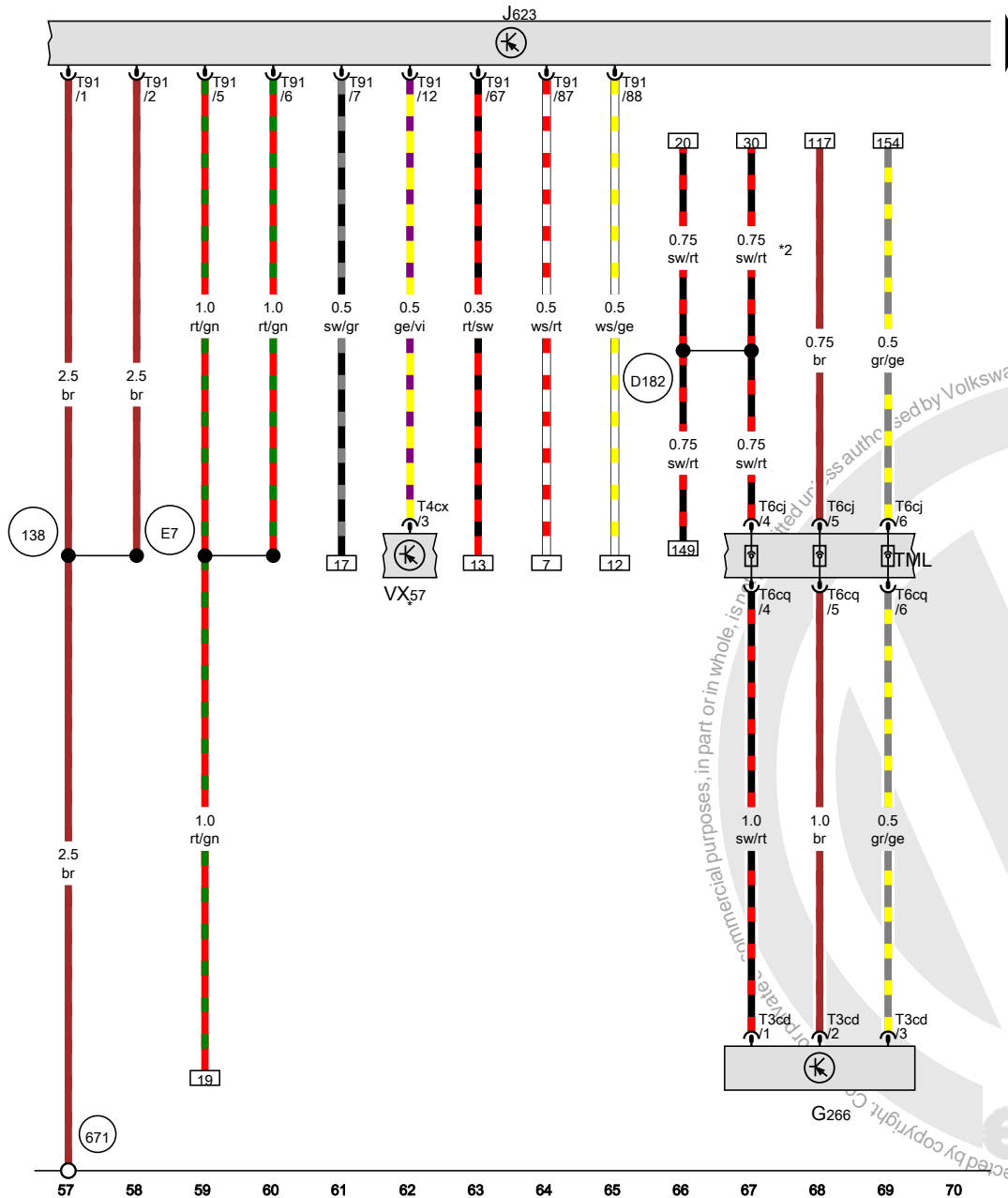
- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



15G1-095050717



Oil level and oil temperature sender, Engine/motor control unit

- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- T3cd 3-pin connector, black
- T4cx 4-pin connector, black
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

- 138 Earth connection (control unit), in Motronic wiring harness
- 671 Earth point 1, on front of left longitudinal member
- D182 Connection 3 (87a), in engine compartment wiring harness
- E7 Connection (87a), in Motronic wiring harness
- * Pre-wired component
- *2 For models with equipment for Korea

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

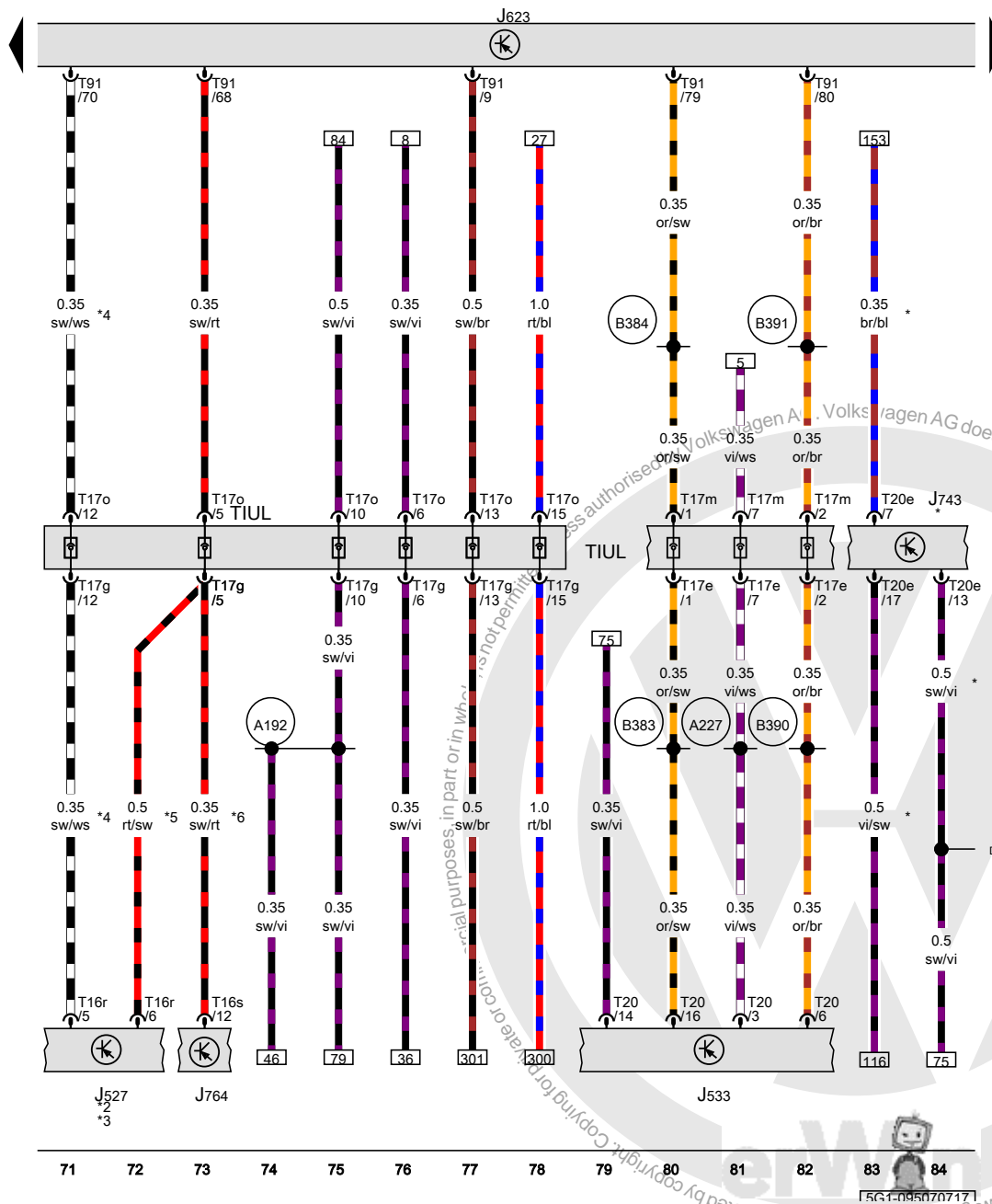
[5G1-095060717]

Steering column electronics control unit, Data bus diagnostic interface, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Control unit for electronic steering column lock

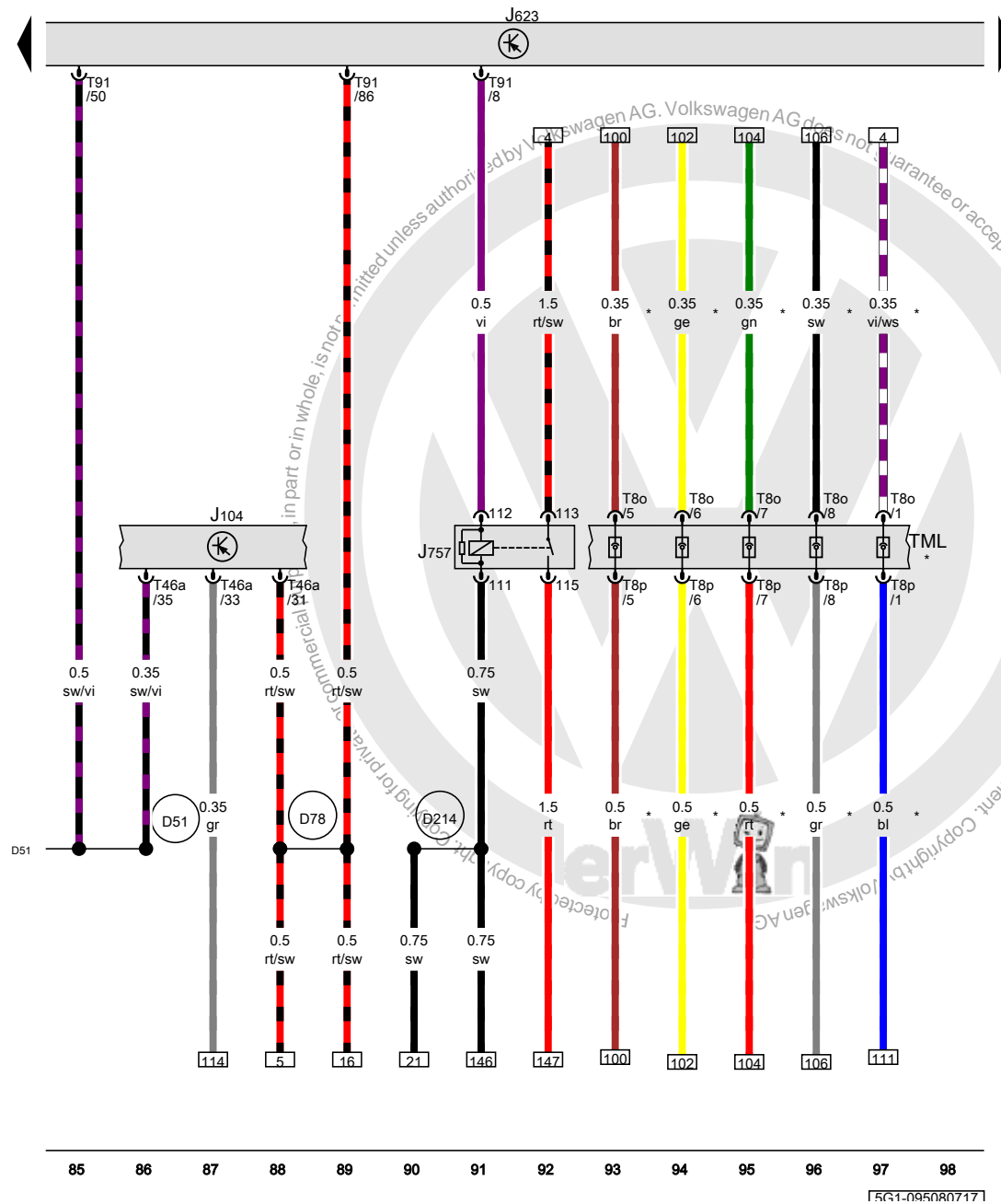
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17e 17-pin connector, brown
- T17g 17-pin connector, blue
- T17m 17-pin connector, brown
- T17o 17-pin connector, blue
- T20 20-pin connector, red
- T20e 20-pin connector, black
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



ABS control unit, Engine/motor control unit, Engine component current supply relay

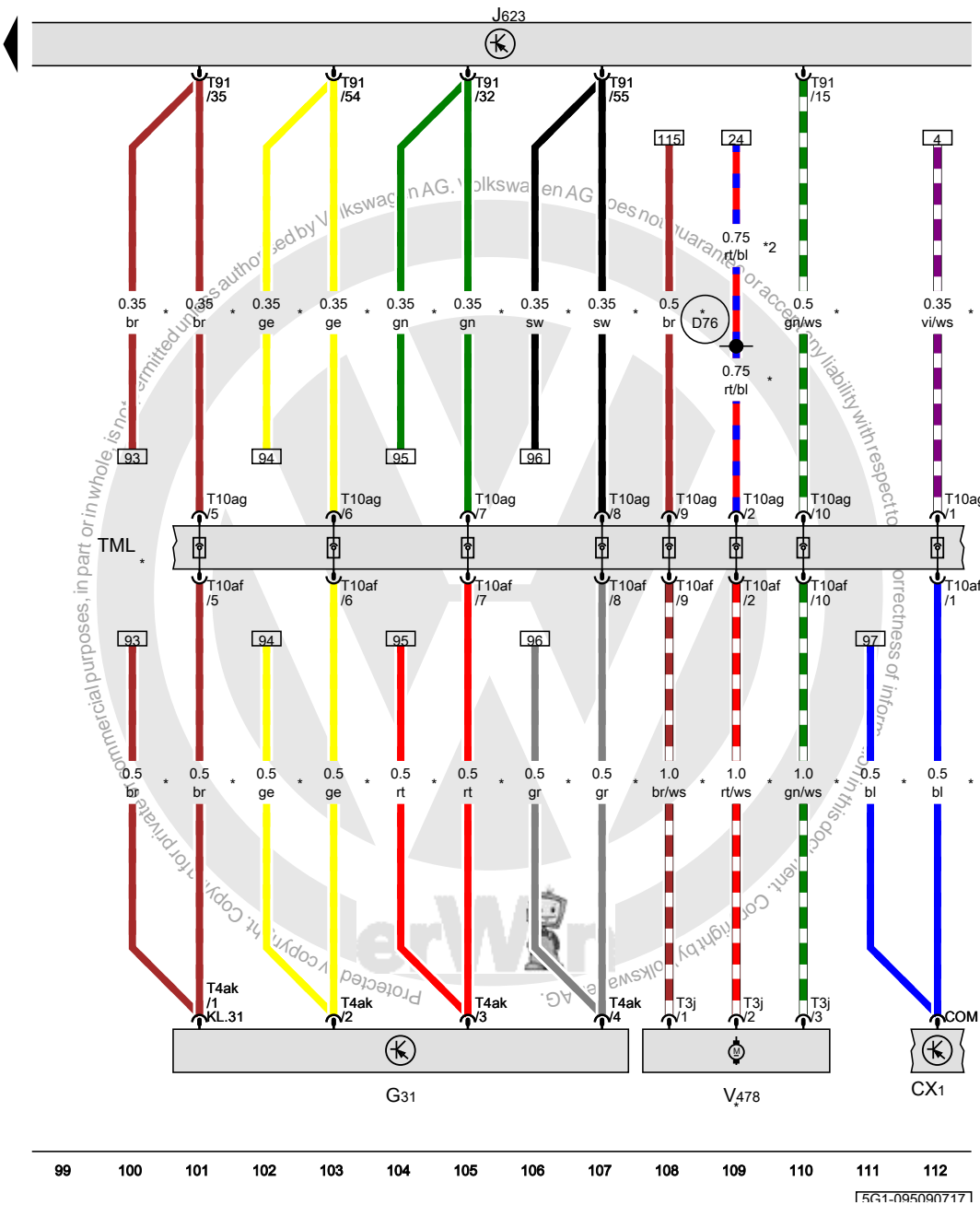


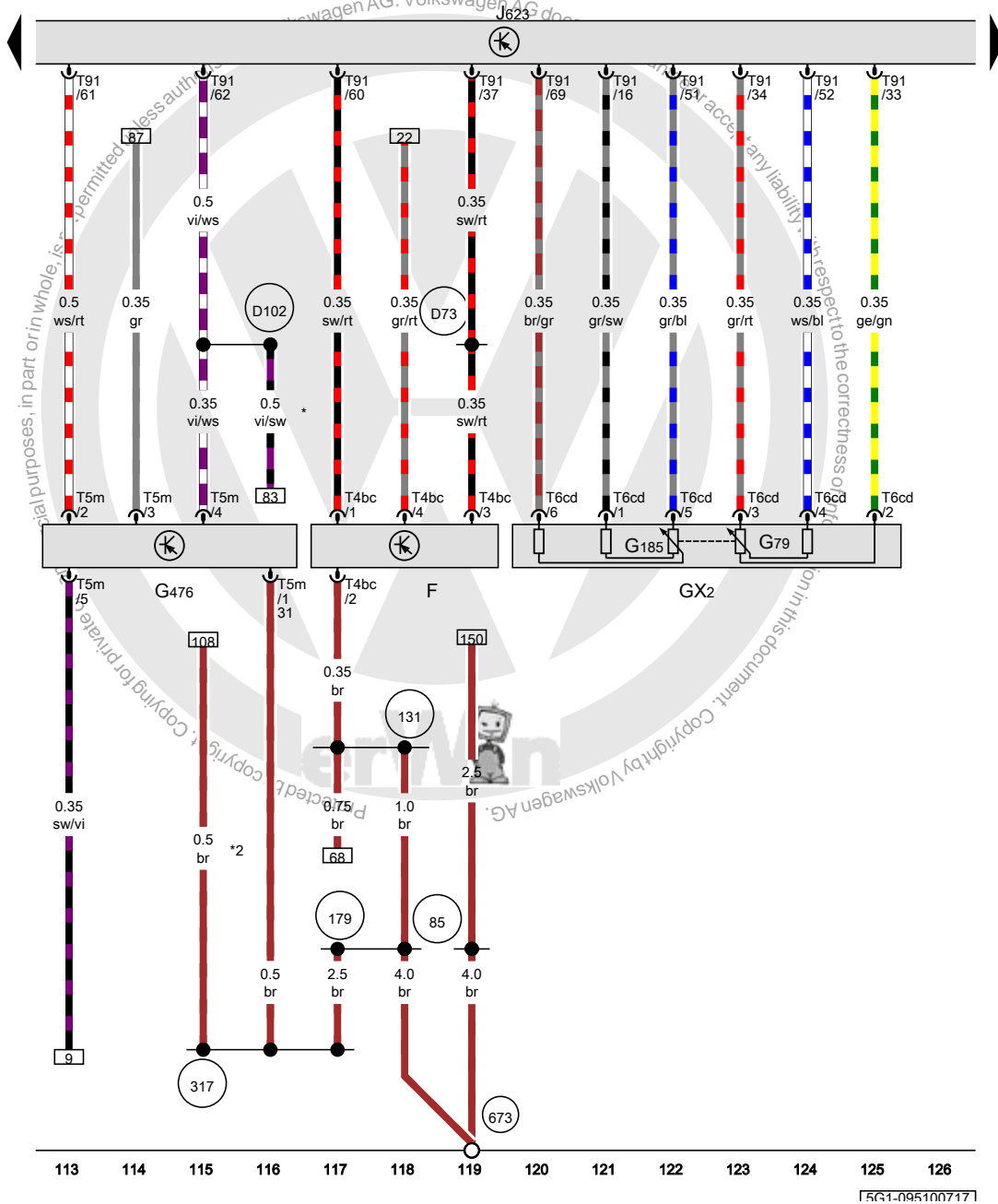
- J104 ABS control unit
- J623 Engine/motor control unit
- J757 Engine component current supply relay, in E-box in engine compartment
- T8o 8-pin connector, black
- T8p 8-pin connector, black
- T46a 46-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Alternator with voltage regulator, Charge pressure sender, Engine/motor control unit, Gearbox oil cooling pump

- CX1 Alternator with voltage regulator
- G31 Charge pressure sender
- J623 Engine/motor control unit
- T3j 3-pin connector, black
- T4ak 4-pin connector, black
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- V478 Gearbox oil cooling pump
- D76 Connection (circulation pump), in engine compartment wiring harness
- * According to equipment
- *2 Cross section depends on equipment

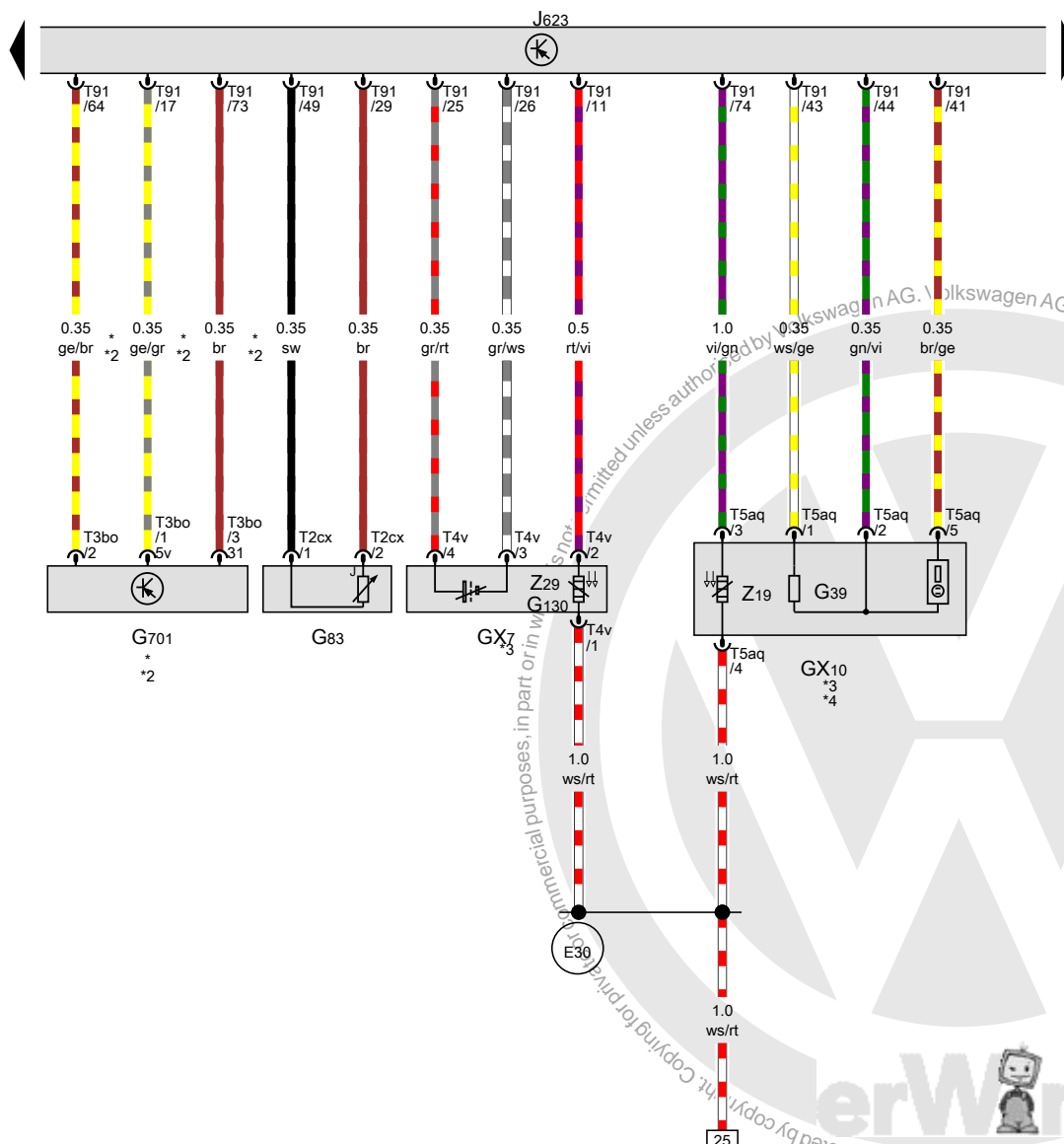




Brake light switch, Accelerator pedal module, Clutch position sender, Engine/motor control unit

- F Brake light switch
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J623 Engine/motor control unit
- T4bc 4-pin connector, black
- T5m 5-pin connector, black
- T6cd 6-pin connector, black
- T91 91-pin connector, black
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with dual clutch gearbox (DSG)
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



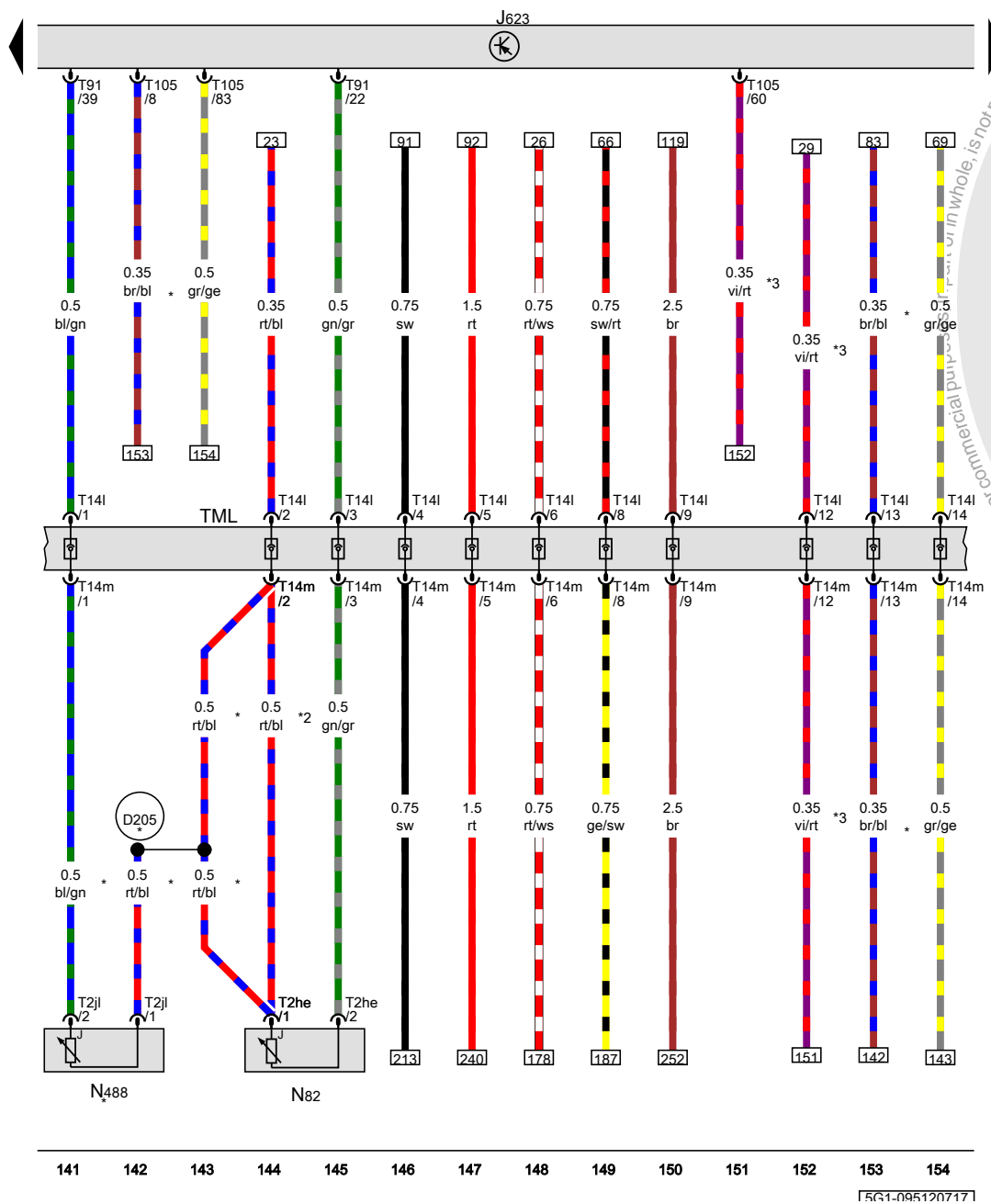
Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Radiator outlet coolant temperature sender, Gearbox neutral position sender, Engine/motor control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G83 Radiator outlet coolant temperature sender
- G130 Lambda probe after catalytic converter
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- T2cx 2-pin connector, black
- T3bo 3-pin connector, brown
- T4v 4-pin connector, black
- T5aq 5-pin connector, black
- T91 91-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

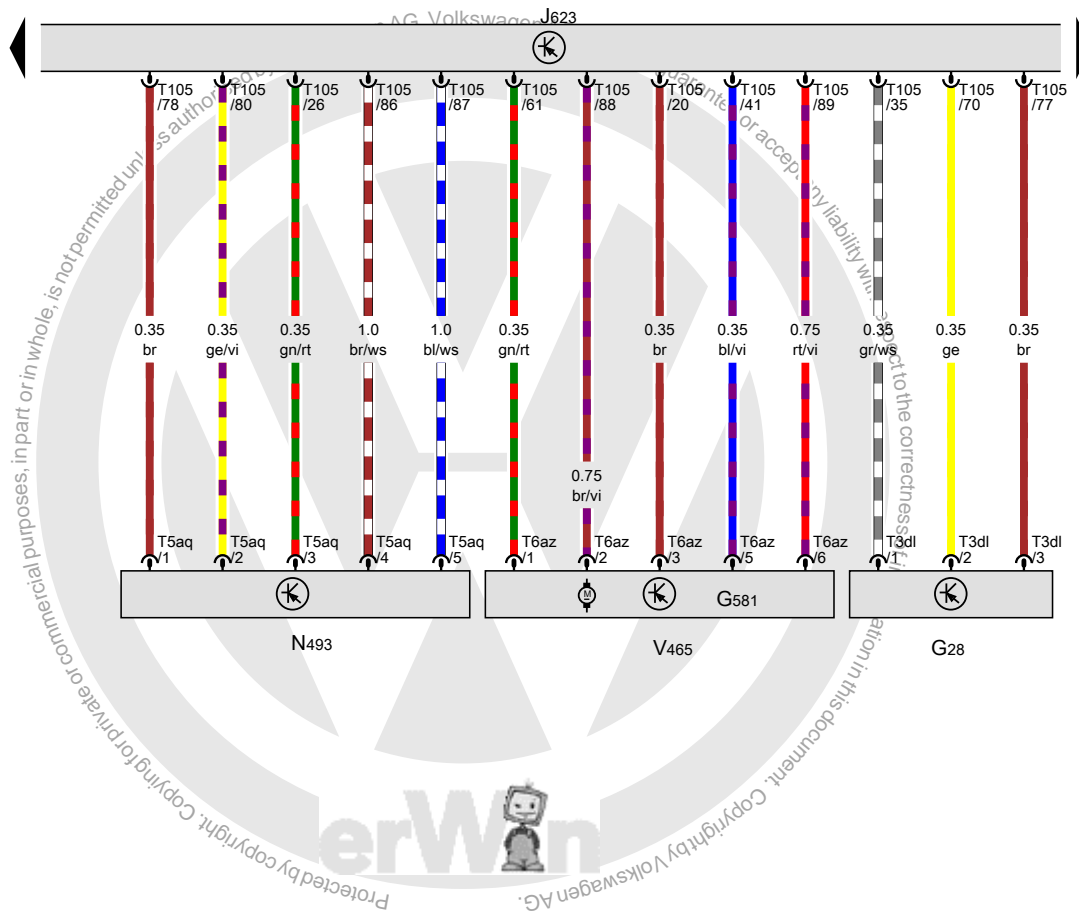
- * For models with manual gearbox
- *2 For models with start/stop system
- *3 Pre-wired component
- *4 Different connector colour possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Coolant shut-off valve

- J623 Engine/motor control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2he 2-pin connector, black
- T2jl 2-pin connector, black
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector, black
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- D205 Connection 3 (87a) in engine prewiring harness
- * For models with dual clutch gearbox (DSG)
- *2 For models with manual gearbox
- *3 For models with equipment for Korea



Engine speed sender, Position sender for charge pressure positioner, Engine/motor control unit, Actuator for engine temperature regulation, Charge pressure positioner

- G28 Engine speed sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- N493 Actuator for engine temperature regulation
- T3dl 3-pin connector, brown
- T5aq 5-pin connector, grey, black
- T6az 6-pin connector, grey
- T105 105-pin connector, black
- V465 Charge pressure positioner

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

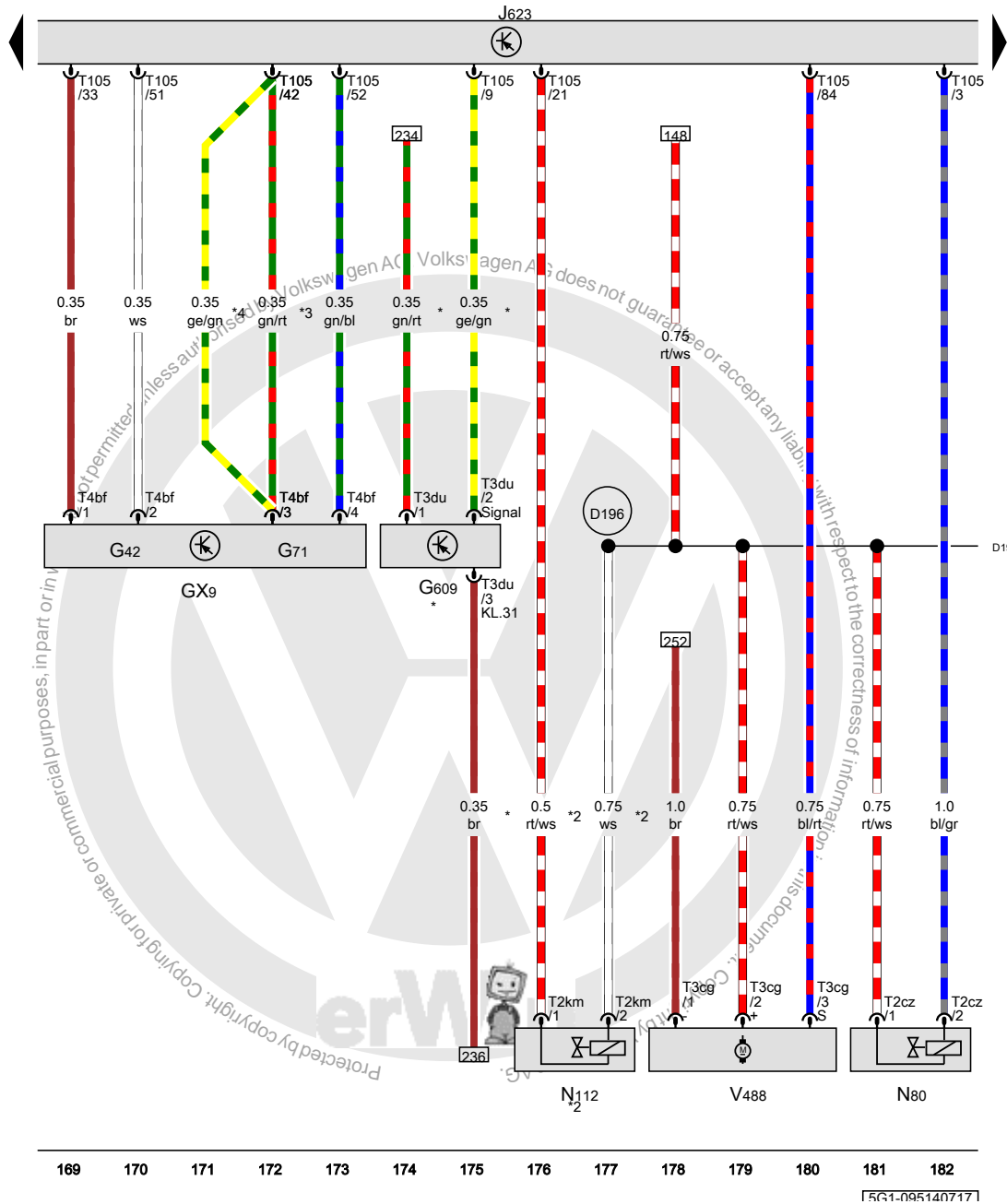
Intake manifold pressure sender, Sender 1 for secondary air pressure, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Auxiliary pump for heating

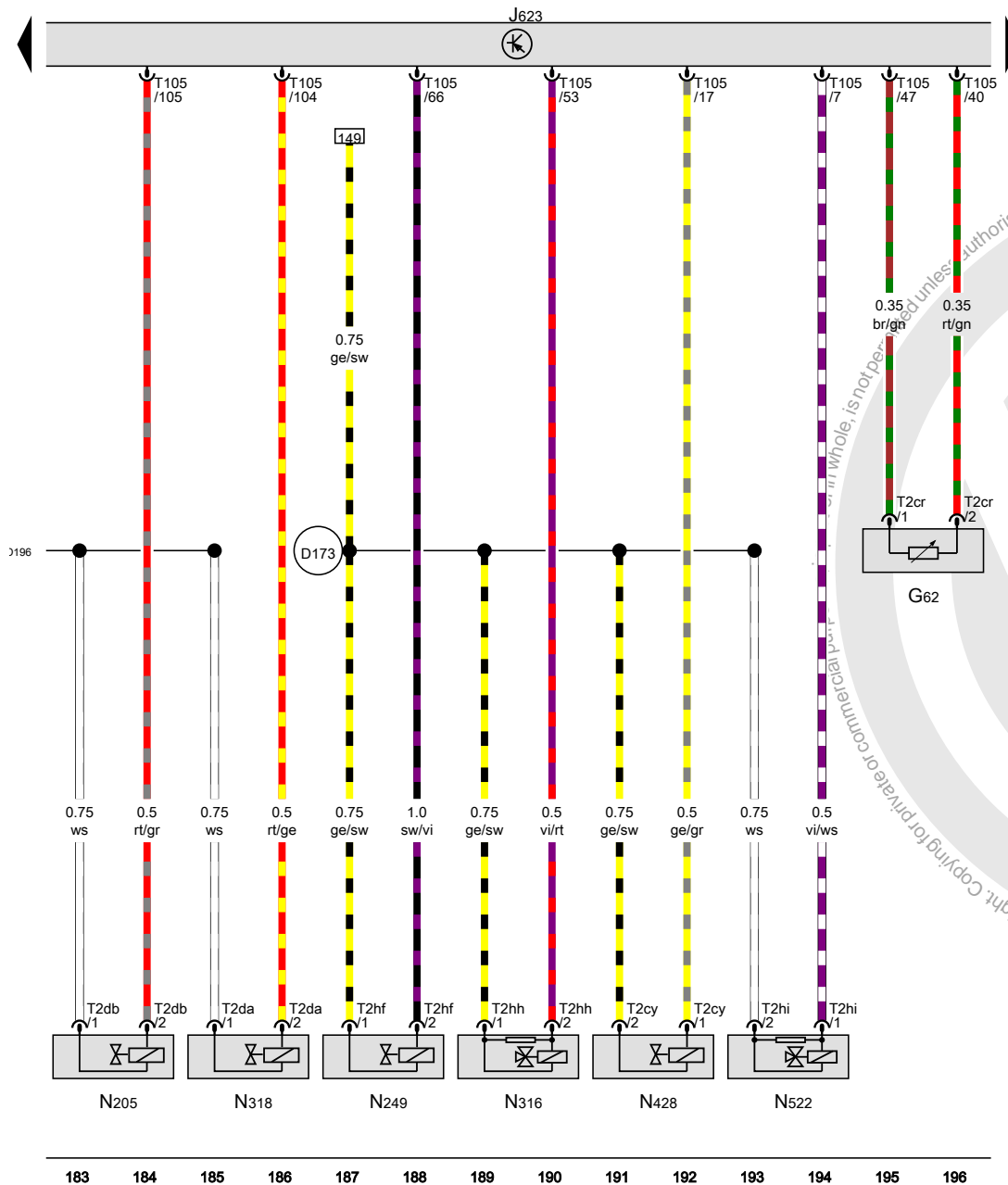
- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N112 Secondary air inlet valve
- T2cz 2-pin connector, yellow
- T2km 2-pin connector, black
- T3cg 3-pin connector, black
- T3du 3-pin connector, black
- T4bf 4-pin connector, black
- T105 105-pin connector, black
- V488 Auxiliary pump for heating

D196 Connection 2 (87a) in engine prewiring harness

- * For models with SULEV emission standard
- *2 For models with equipment for Korea
- *3 Up to May 2016
- *4 From May 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Coolant temperature sender, Engine/motor control unit, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Piston cooling jet control valve

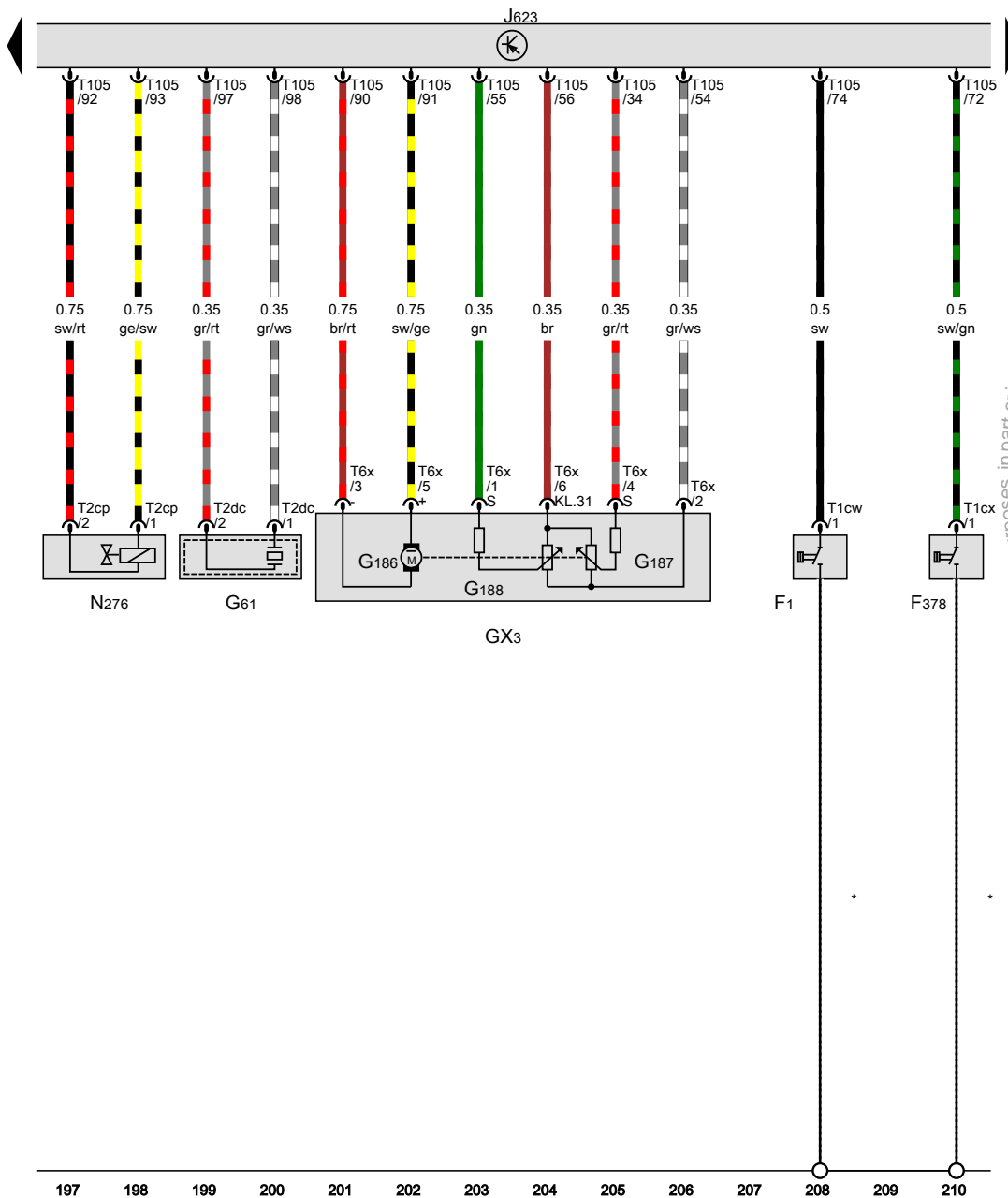
- G62 Coolant temperature sender
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2cr 2-pin connector, yellow
- T2cy 2-pin connector, black
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T2hf 2-pin connector, black
- T2hh 2-pin connector, black
- T2hi 2-pin connector, black
- T105 105-pin connector, black

D173 Connection (87), in engine prewiring harness

D196 Connection 2 (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

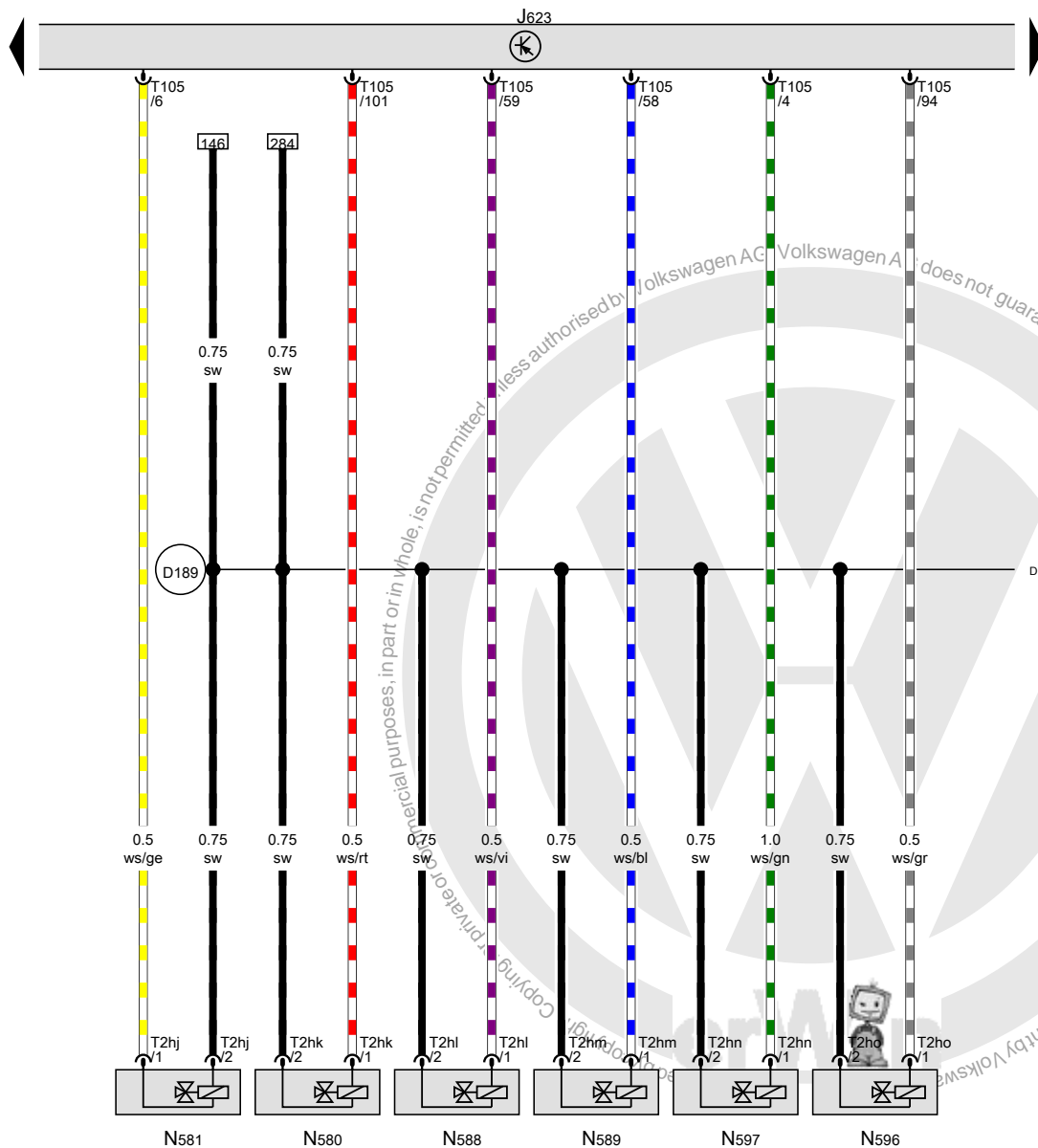
[5G1-095150717]



Oil pressure switch, Oil pressure switch for reduced oil pressure, Throttle valve module, Knock sensor 1, Engine/motor control unit, Fuel pressure regulating valve

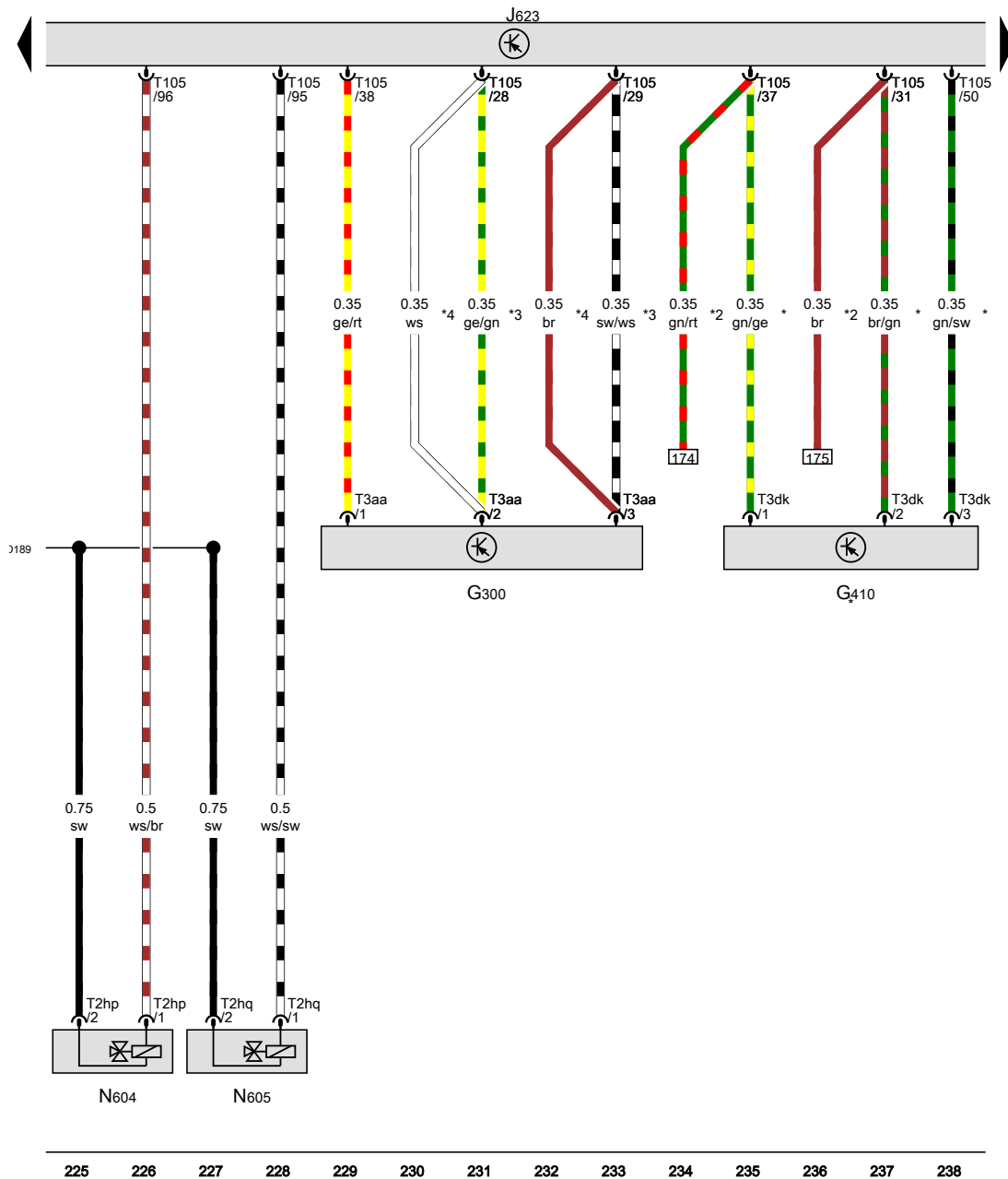
- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G61 Knock sensor 1
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- T1cw 1-pin connector, dark blue
- T1cx 1-pin connector, black
- T2cp 2-pin connector, black
- T2dc 2-pin connector, yellow
- T6x 6-pin connector, black
- T105 105-pin connector, black
- * Earth supply via housing

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Engine/motor control unit, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2, Exhaust cam actuator B for cylinder 2, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3

- J623 Engine/motor control unit
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- T2hj 2-pin connector, black
- T2hk 2-pin connector, black
- T2hl 2-pin connector, yellow
- T2hm 2-pin connector, black
- T2hn 2-pin connector, yellow
- T2ho 2-pin connector, black
- T105 105-pin connector, black
- D189 Connection (87a) in engine prewiring harness



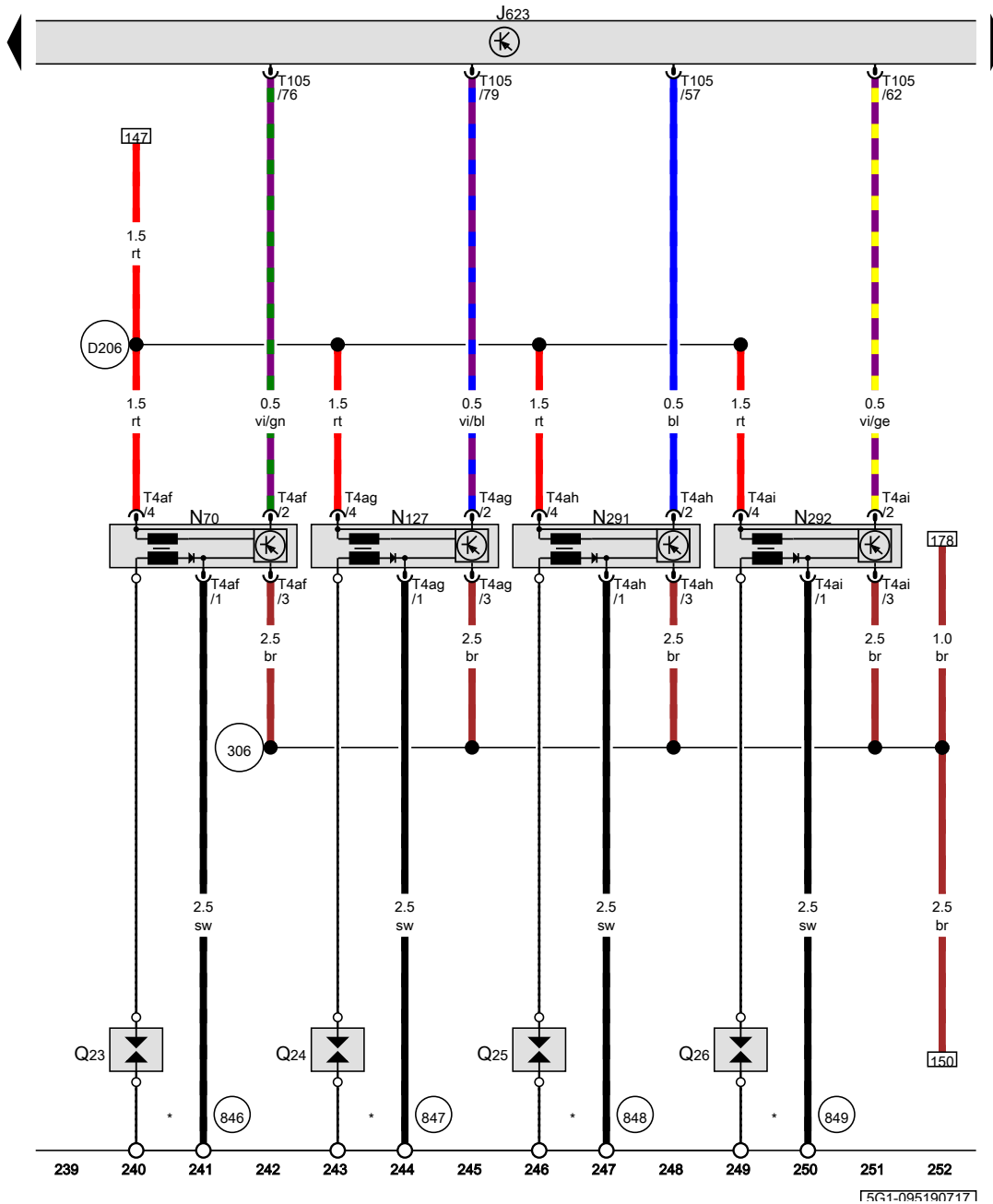
Hall sender 3, Fuel pressure sender for low pressure, Engine/motor control unit, Exhaust cam actuator A for cylinder 4, Exhaust cam actuator B for cylinder 4

- G300 Hall sender 3
- G410 Fuel pressure sender for low pressure
- J623 Engine/motor control unit
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hp 2-pin connector, yellow
- T2hq 2-pin connector, yellow
- T3aa 3-pin connector, black
- T3dk 3-pin connector, blue
- T105 105-pin connector, black

D189 Connection (87a) in engine prewiring harness

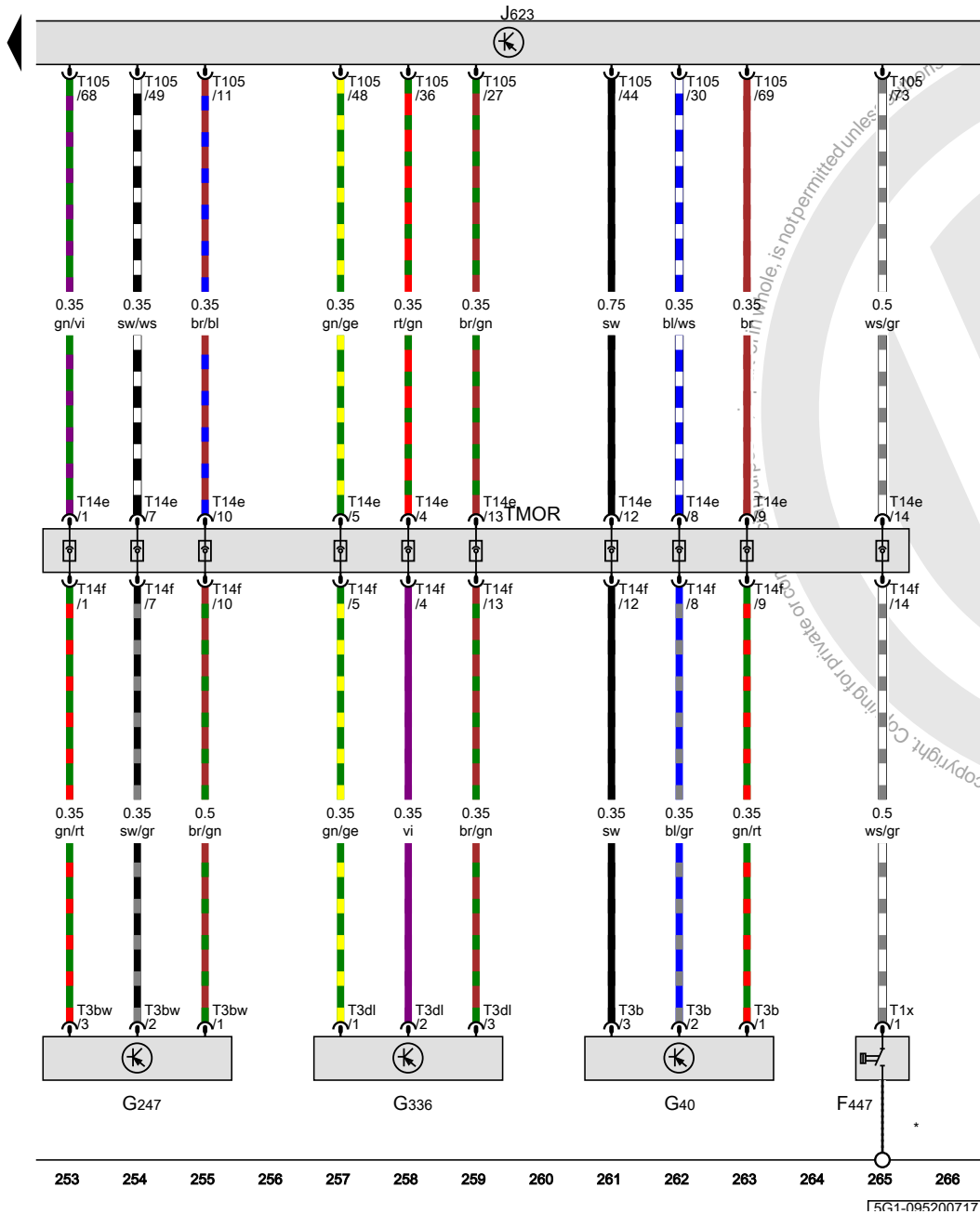
- * Not for models with equipment for Korea
- *2 For models with SULEV emission standard
- *3 Up to May 2017
- *4 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug 1, Spark plug 2, Spark plug 3, Spark plug 4

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T105 105-pin connector, black
- 306 Earth connection (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1
- 847 Earth point on ignition coil 2
- 848 Earth point on ignition coil 3
- 849 Earth point on ignition coil 4
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing

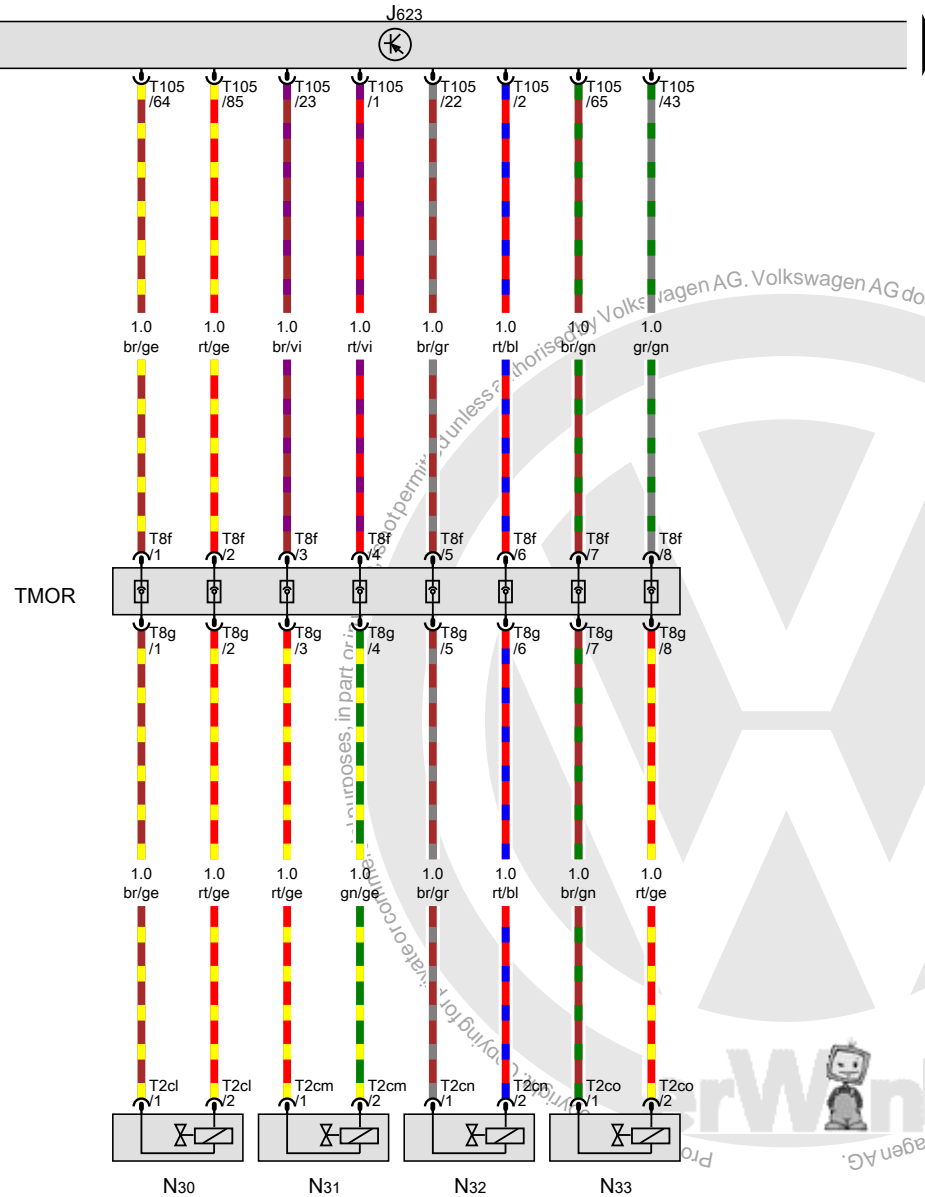


Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit

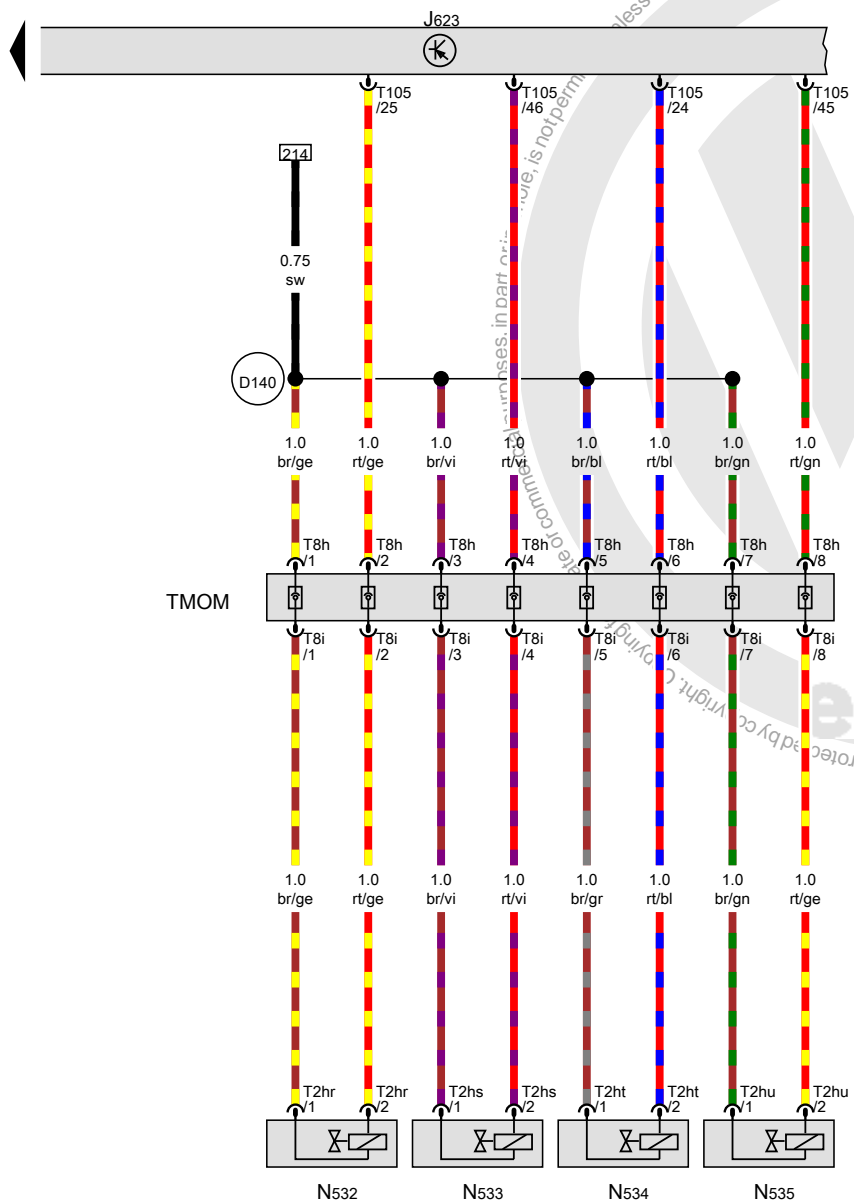
- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine/motor control unit
- T1x 1-pin connector, black
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3dl 3-pin connector, black
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector, black
- TMOR Coupling point on engine, top right
- * Earth supply via housing

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector, black
- TMOR Coupling point on engine, top right



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



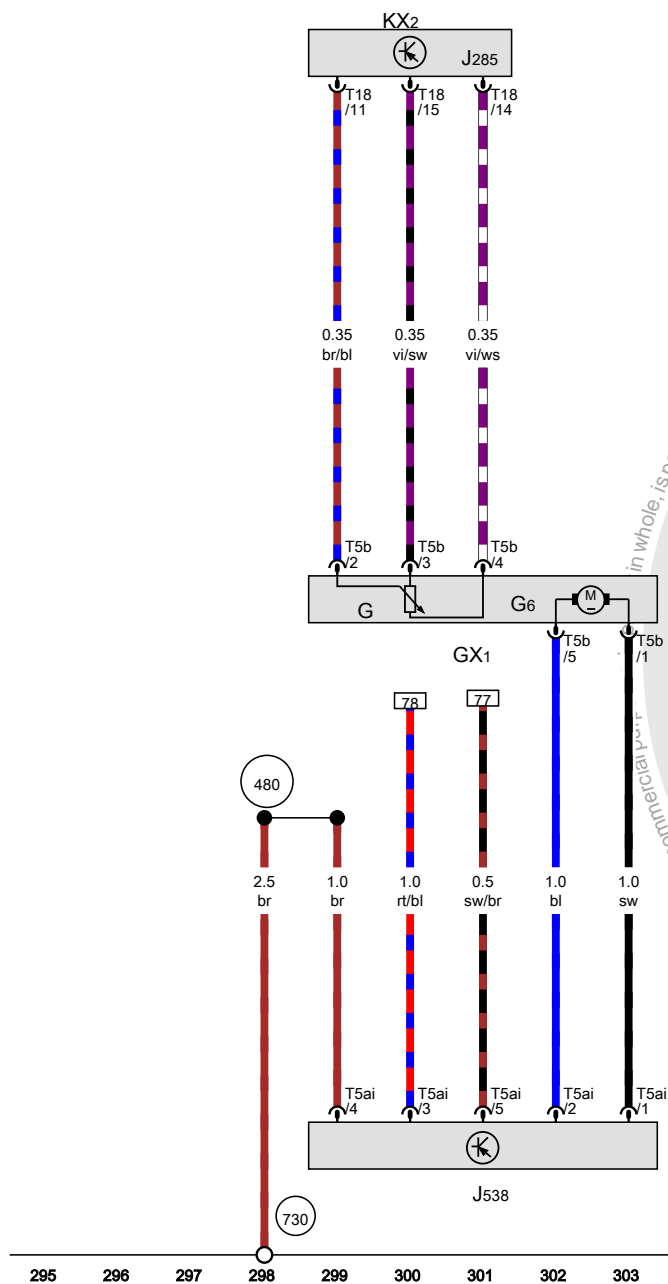
Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

- J623 Engine/motor control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2hr 2-pin connector, black
- T2hs 2-pin connector, black
- T2ht 2-pin connector, black
- T2hu 2-pin connector, black
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- T105 105-pin connector, black
- TMOM Coupling point on engine, top centre
- D140 Connection (injectors), in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

G	Fuel gauge sender
GX1	Fuel delivery unit
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J538	Fuel pump control unit
KX2	Dash panel insert
T5ai	5-pin connector, black
T5b	5-pin connector, black
T18	18-pin connector, black

- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing

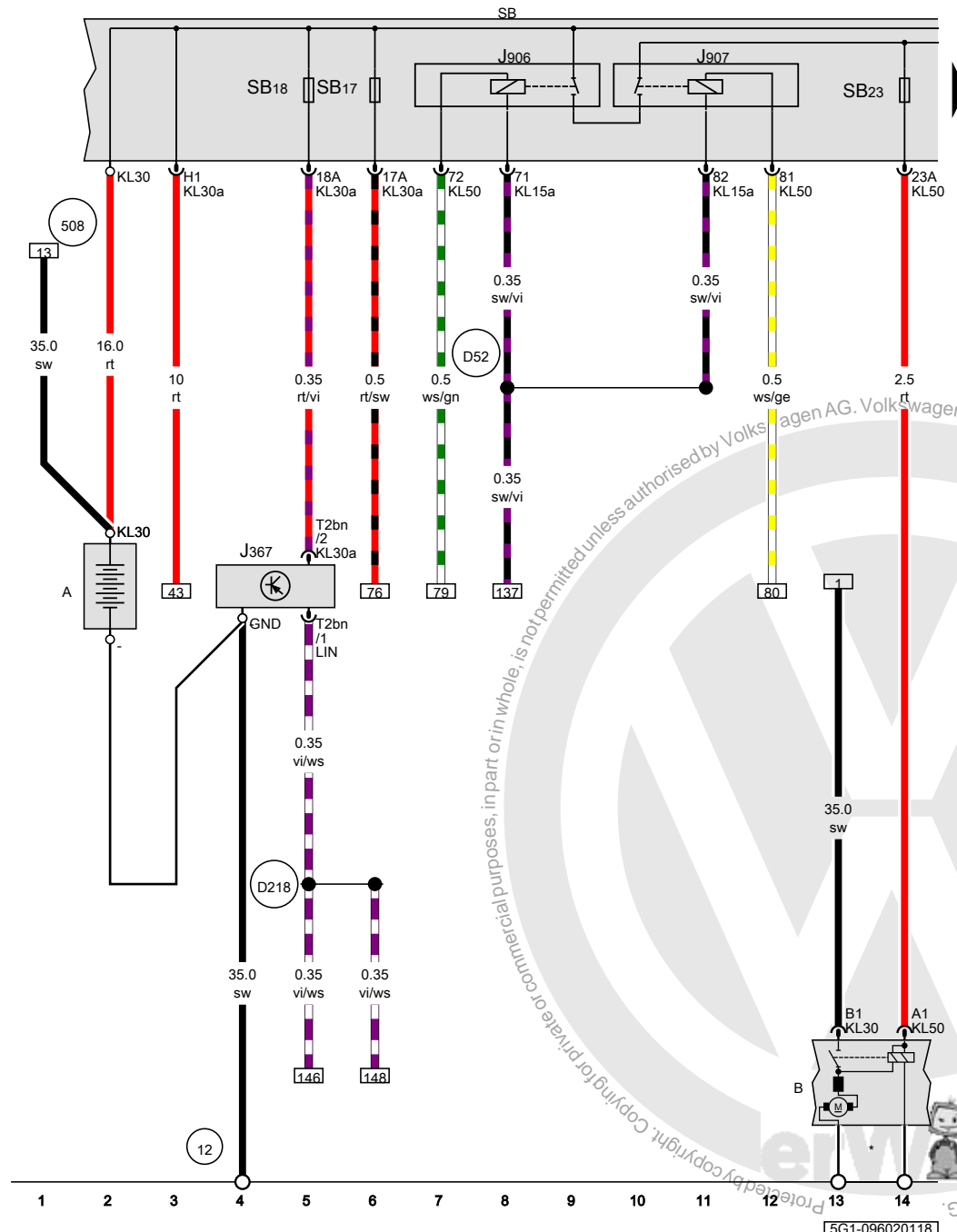


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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2.0l diesel engine , CRGA

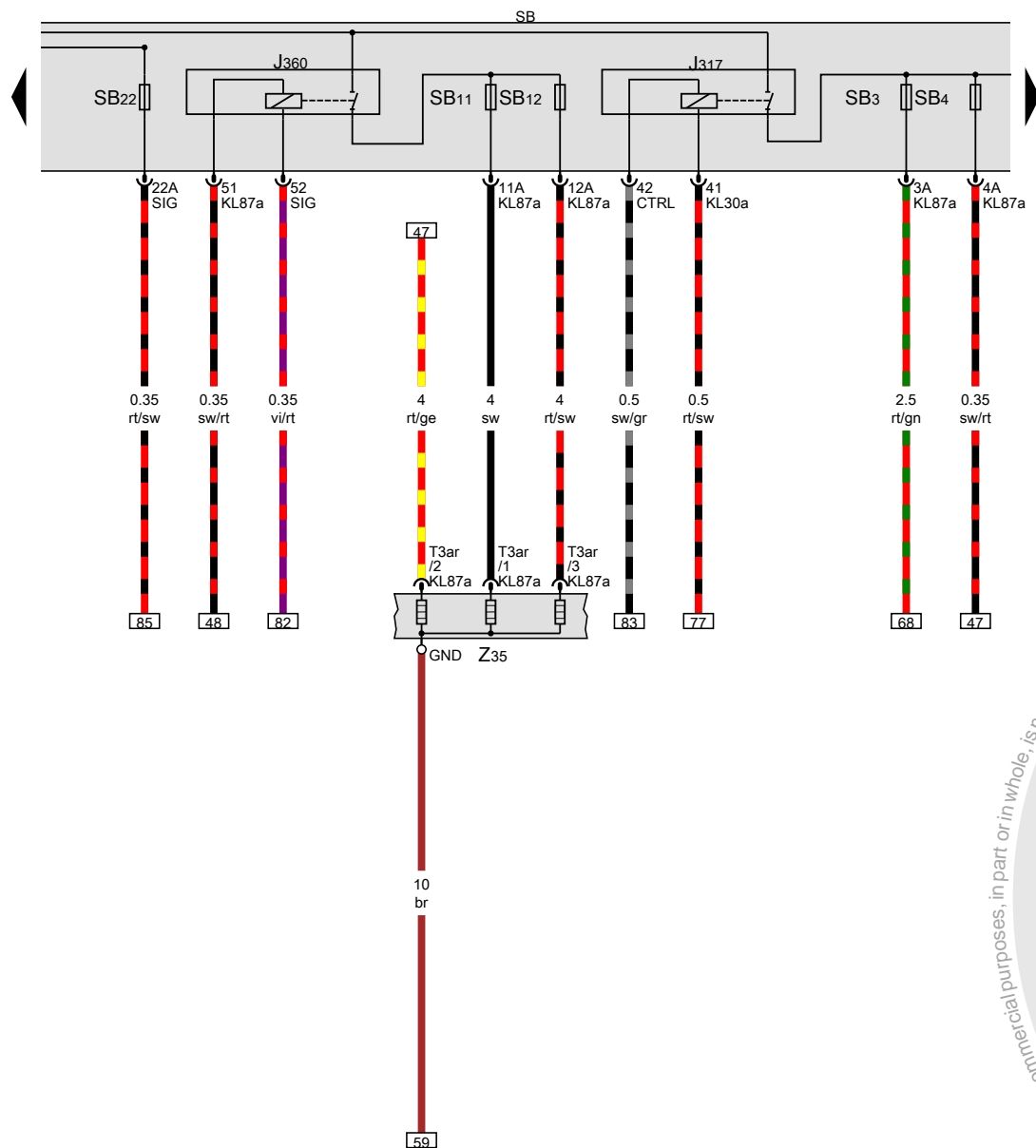
From November 2015





Battery, Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

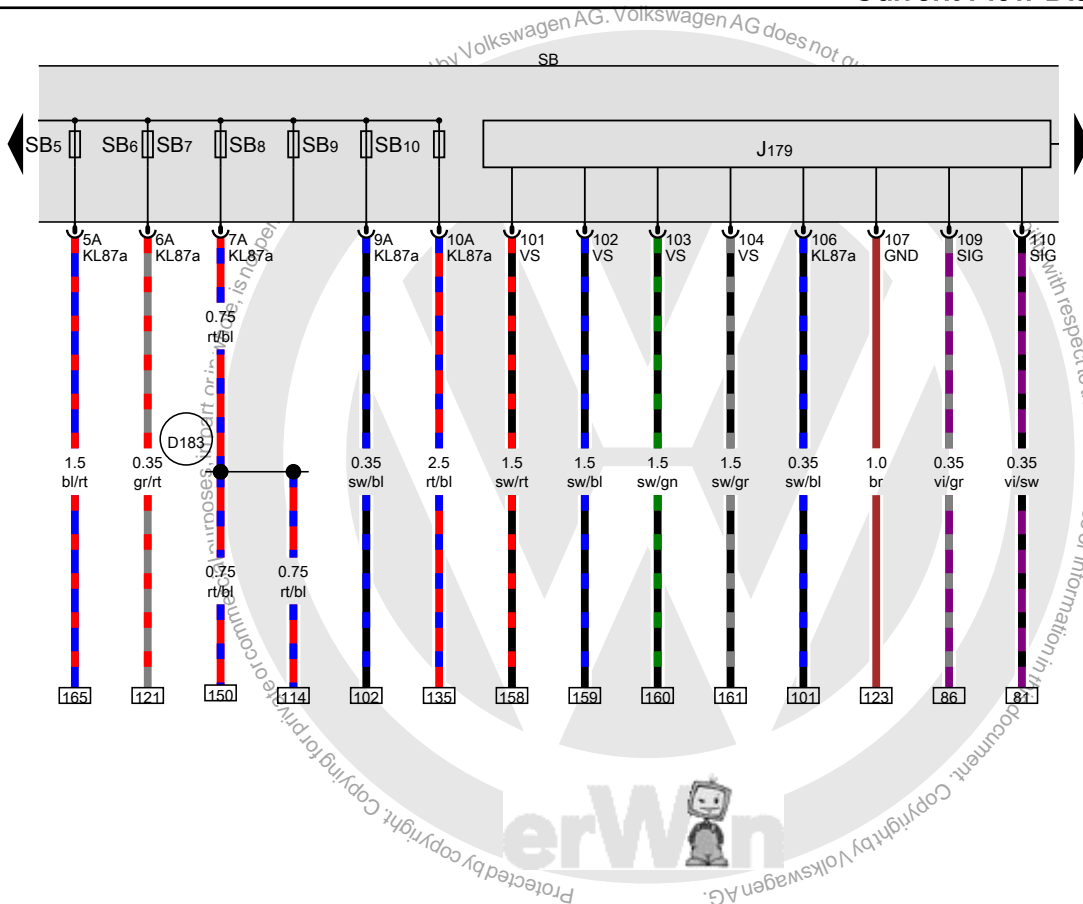
- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, black
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- D52 Positive connection (15a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- Earth supply via housing



Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B, Auxiliary air heater element

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T3ar 3-pin connector, black
- Z35 Auxiliary air heater element

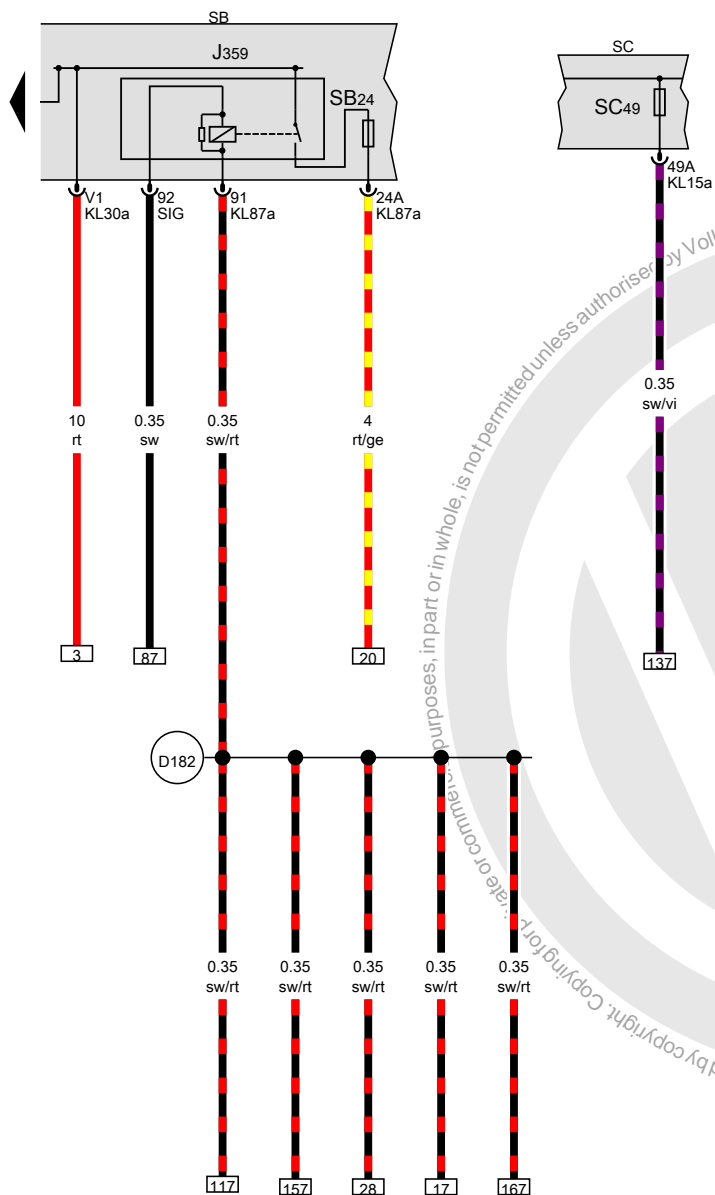
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Automatic glow period control unit, Fuse holder B

- J179 Automatic glow period control unit
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- D183 Connection 4 (87a), in engine compartment wiring harness

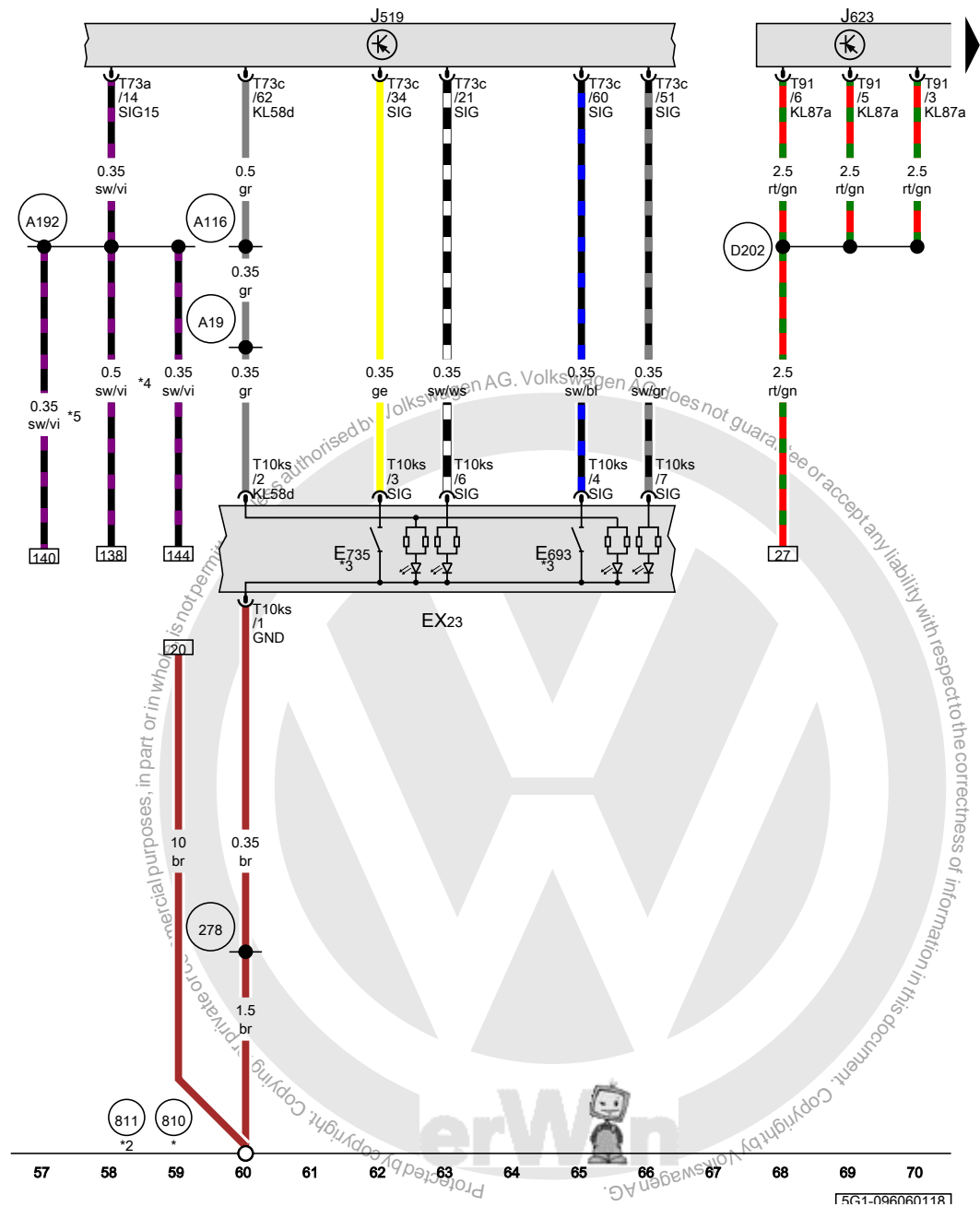
ws = white
 sw = black
 ro = red
 rt = red
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Low heat output relay, Fuse holder B, Fuse holder C

- J359 Low heat output relay
- SB Fuse holder B
- SB24 Fuse 24 on fuse holder B
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- D182 Connection 3 (87a), in engine compartment wiring harness

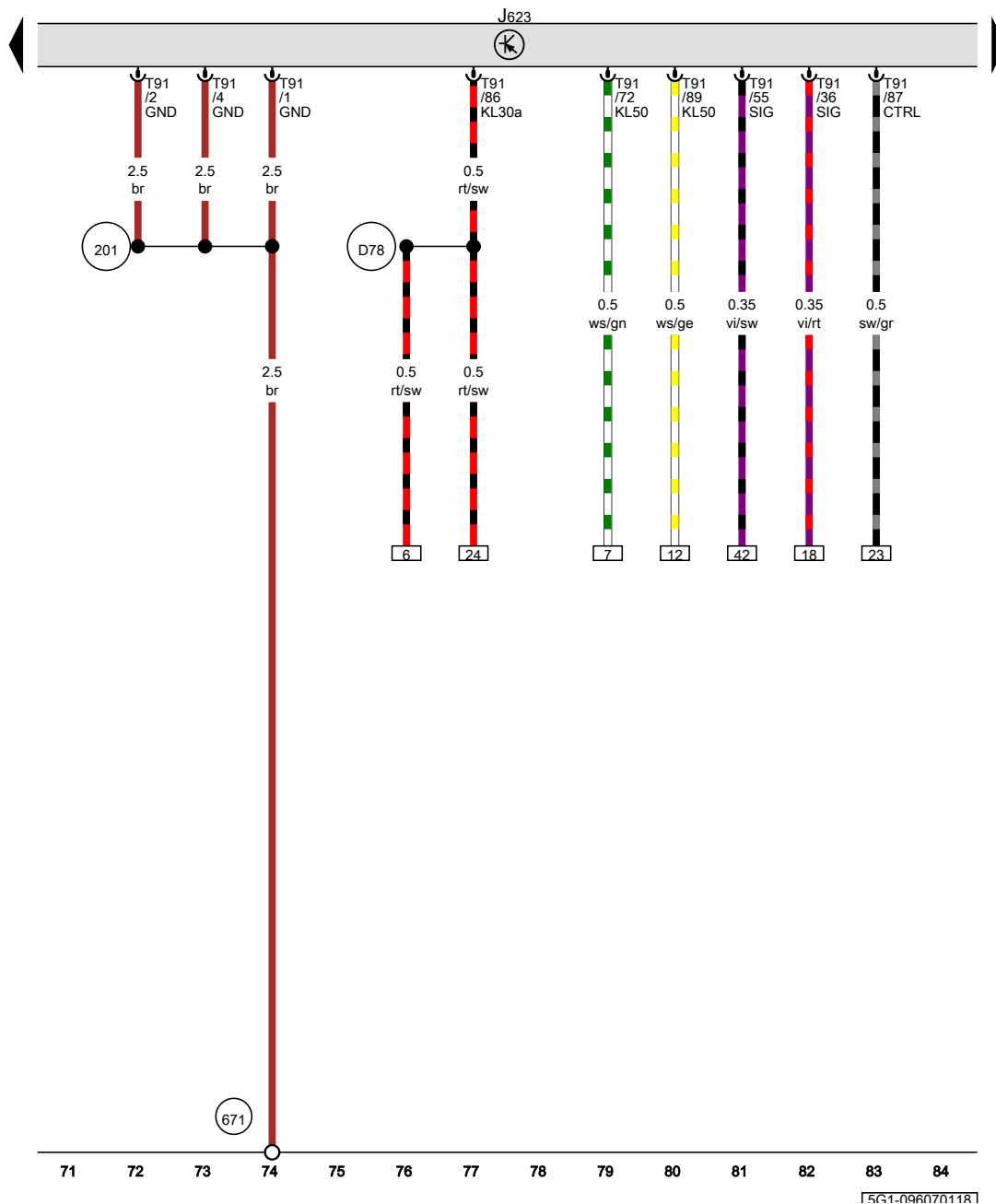
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Onboard supply control unit, Engine/motor control unit

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- T91 91-pin connector, black
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness
- * For left-hand drive models
- *2 For right-hand drive models
- *3 According to equipment
- *4 Up to November 2017
- *5 From November 2017

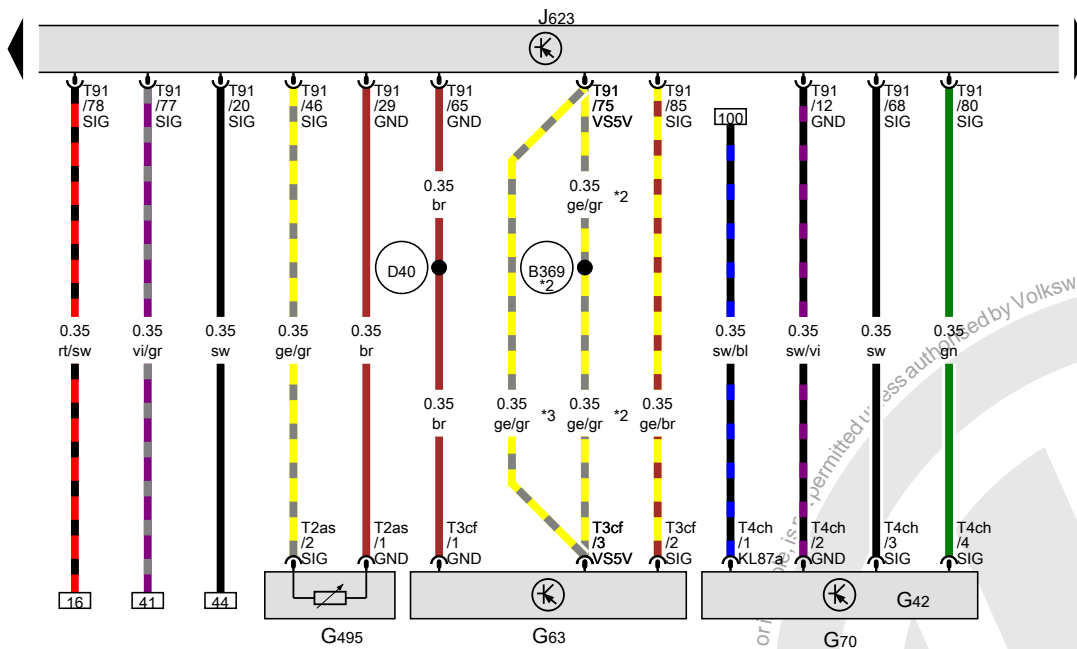
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine/motor control unit

- J623 Engine/motor control unit
- T91 91-pin connector, black
- 201 Earth connection 5, in engine compartment wiring harness
- 671 Earth point 1, on front of left longitudinal member
- D78 Positive connection 1 (30a), in engine compartment wiring harness

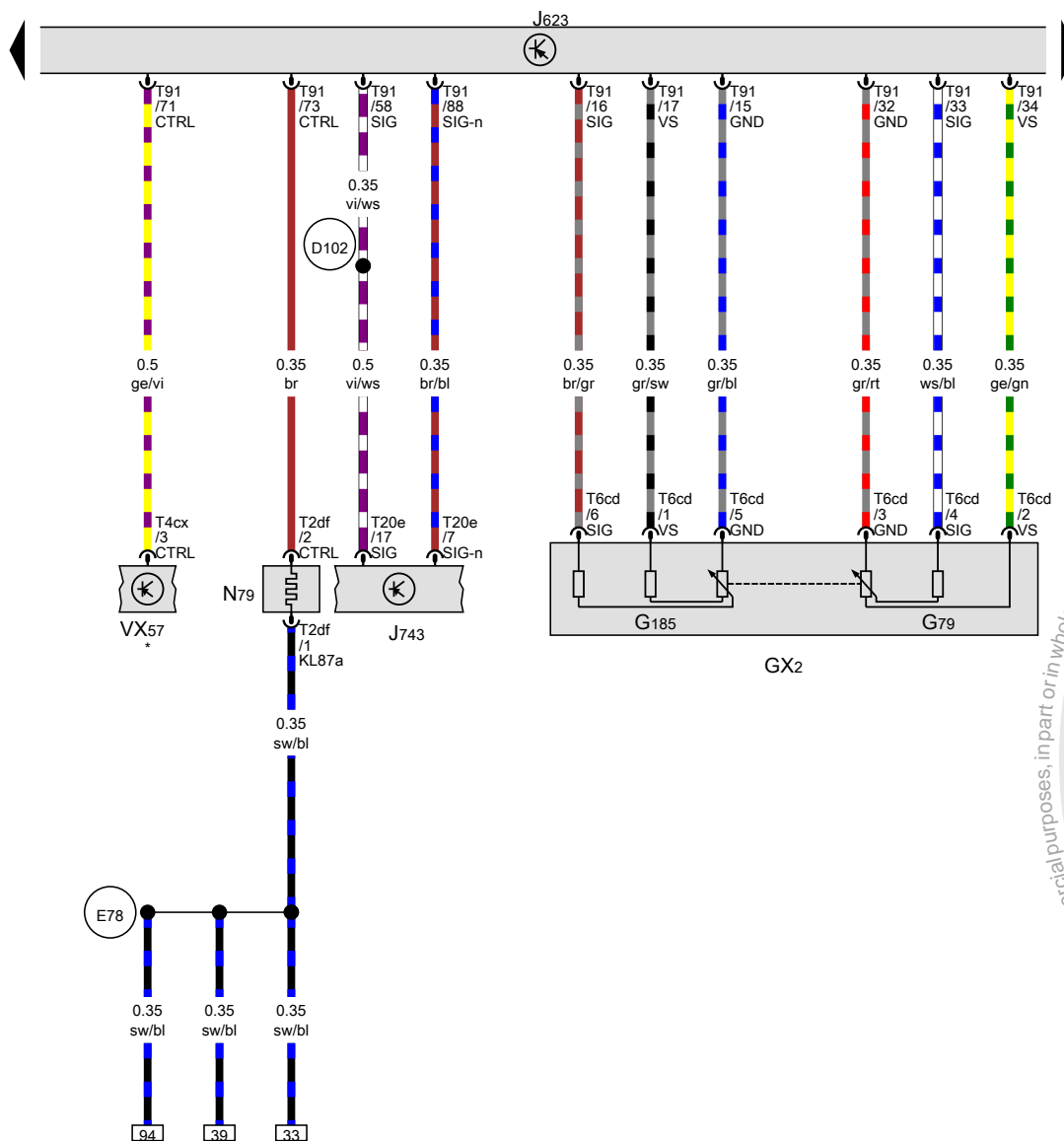
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Air mass meter, Exhaust gas temperature sender 3, Engine/motor control unit

- G42 Intake air temperature sender
- G63 Water separator sender
- G70 Air mass meter
- G495 Exhaust gas temperature sender 3
- J623 Engine/motor control unit
- T2as 2-pin connector, brown
- T3cf 3-pin connector, black
- T4ch 4-pin connector, black
- T91 91-pin connector, black
- B369 Connection 1 (5V), in main wiring harness
- D40 Connection 2, in engine prewiring harness
- * Pre-wired component
- *2 Up to May 2016
- *3 From May 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Accelerator pedal module, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Heater element for crankcase breather, Radiator fan

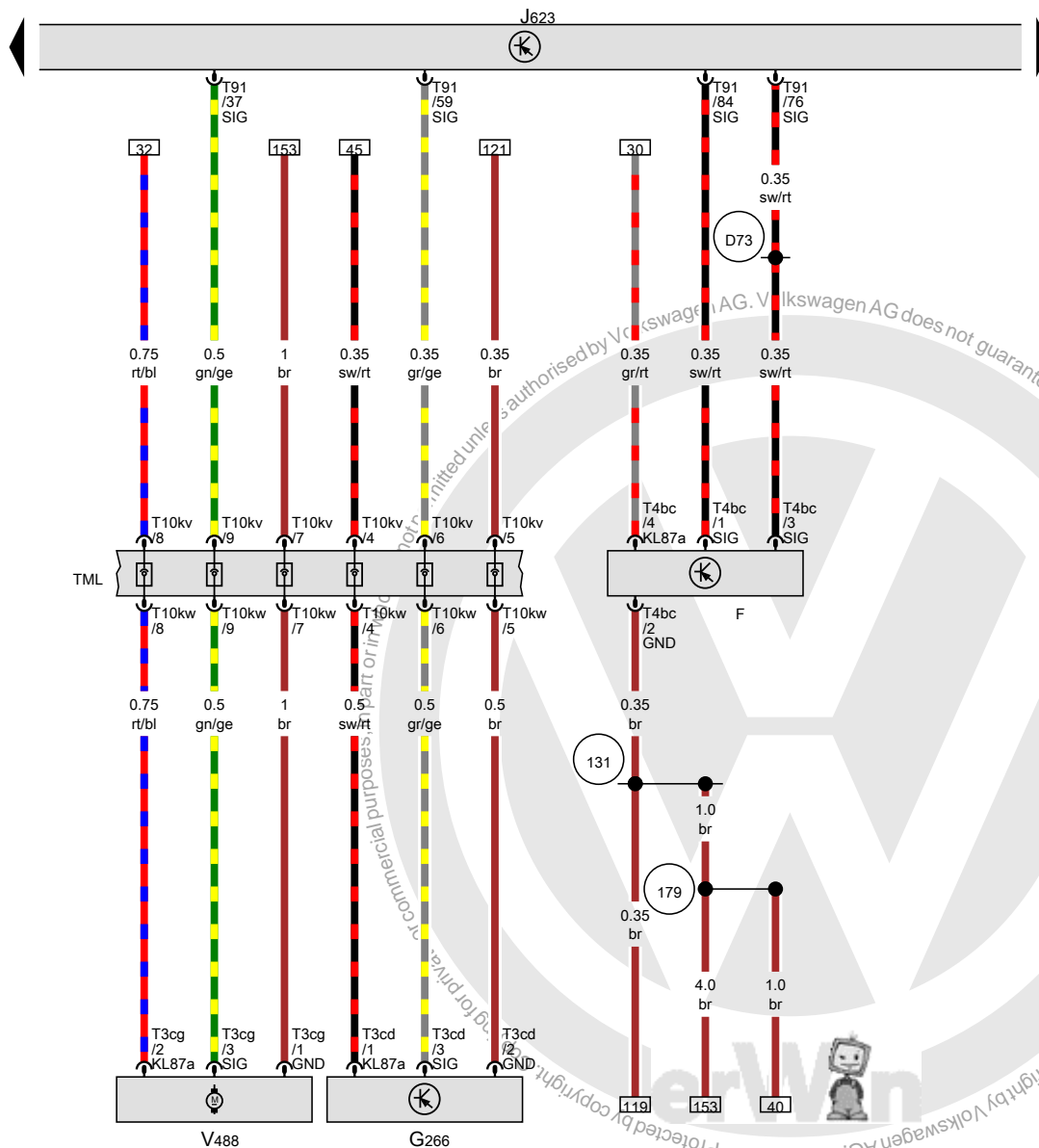
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- N79 Heater element for crankcase breather
- T2df 2-pin connector, black
- T4cx 4-pin connector, black
- T6cd 6-pin connector, black
- T20e 20-pin connector, black
- T91 91-pin connector, black
- VX57 Radiator fan

D102 Connection 2 in engine compartment wiring harness

E78 Connection 2 (87a) in engine wiring harness

* Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Brake light switch, Oil level and oil temperature sender, Engine/motor control unit, Auxiliary pump for heating

- F Brake light switch
- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- T3cd 3-pin connector, black
- T3cg 3-pin connector, black
- T4bc 4-pin connector, black
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- D73 Positive connection (54), in engine compartment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

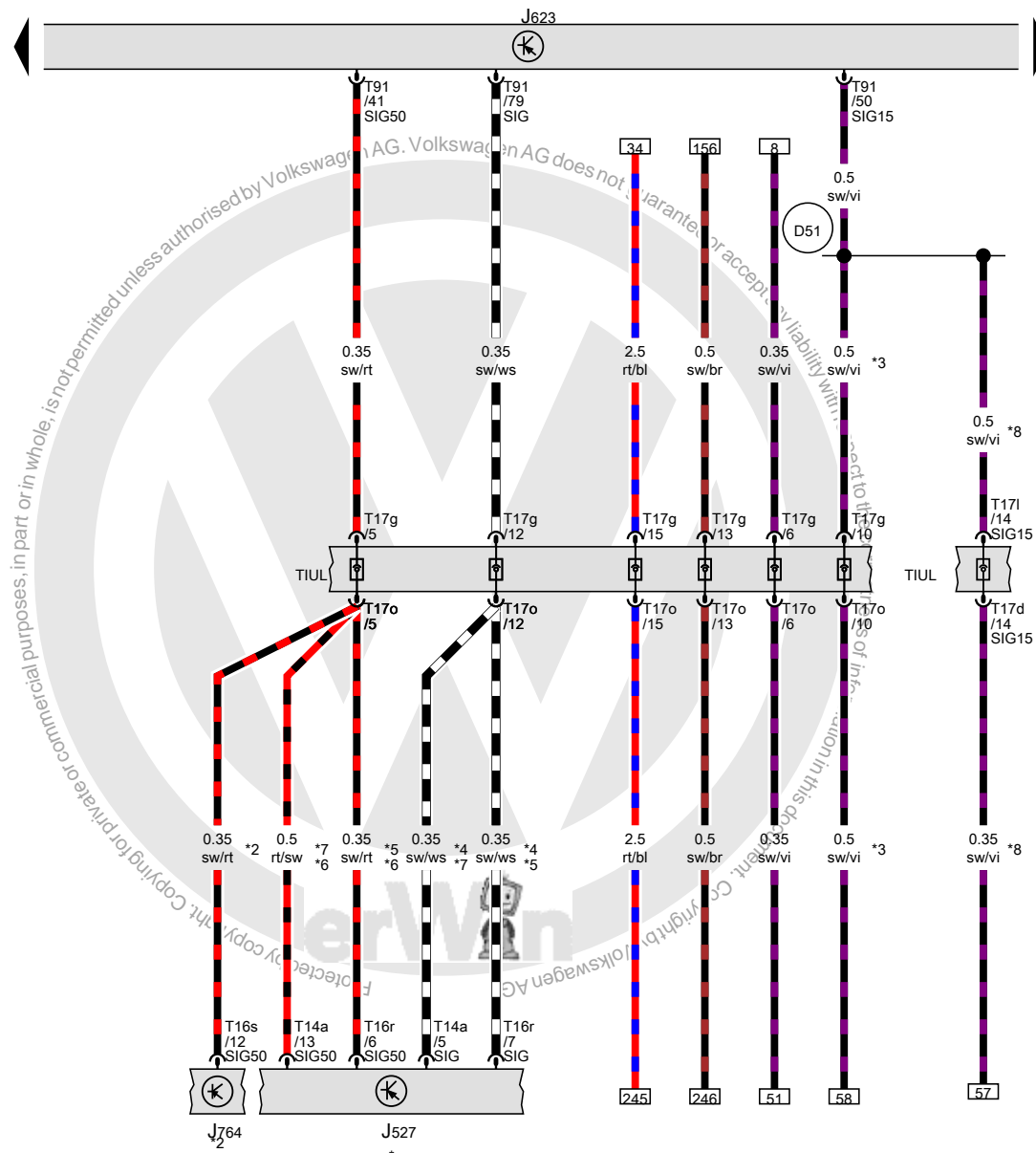
Steering column electronics control unit, Engine/motor control unit

- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

D51 Positive connection 1 (15), in engine compartment wiring harness

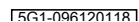
- * see applicable current flow diagram
- *2 For models with entry and start authorisation
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 For models with no heated steering wheel
- *6 For models with no entry and start authorisation
- *7 For models with heated steering wheel
- *8 From November 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



127 128 129 130 131 132 133 134 135 136 137 138 139 140

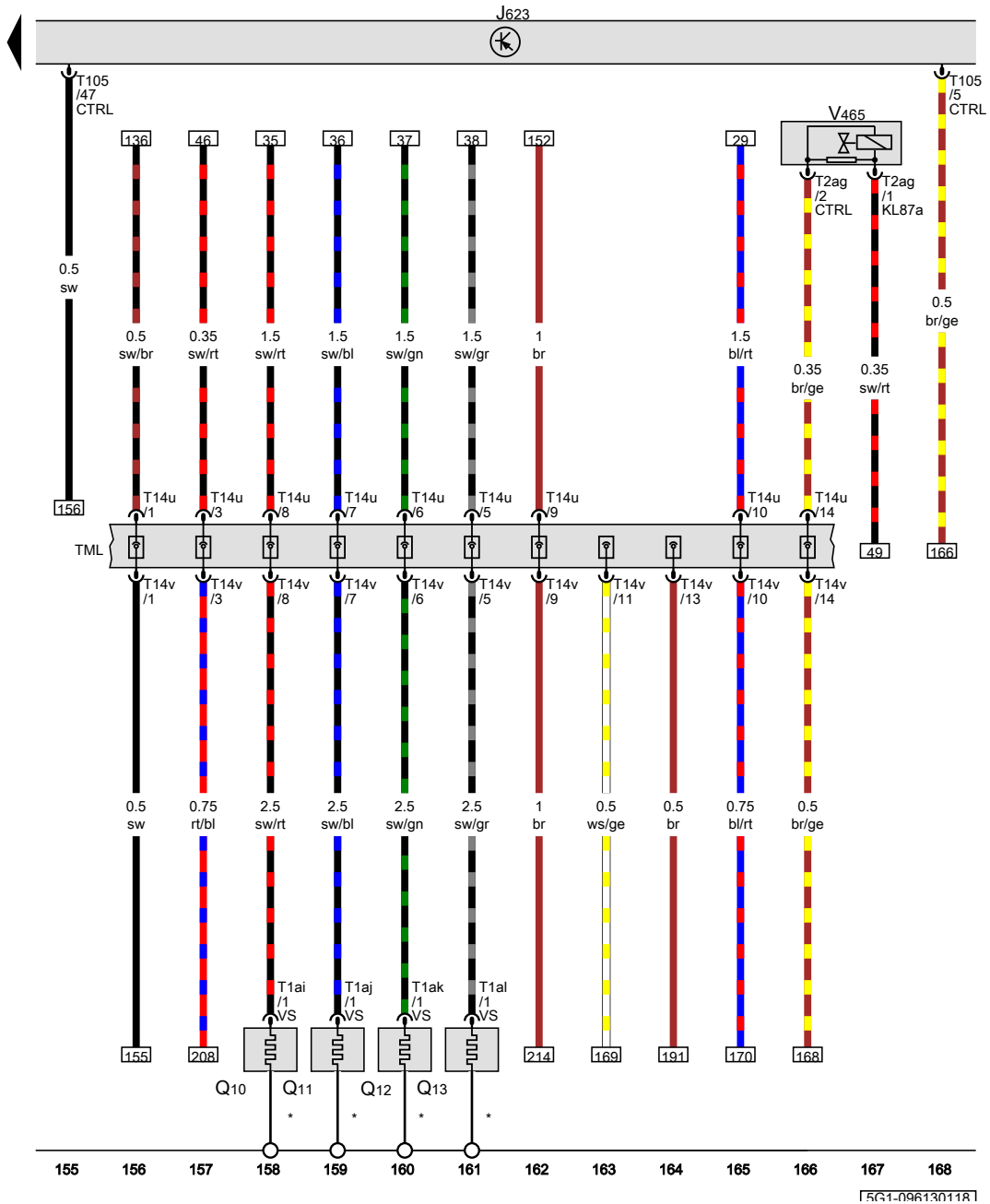
15G1-09R110118



85	Earth connection 1, in engine compartment wiring harness
673	Earth point 3, on front of left longitudinal member
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B384	Connection 2 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
B391	Connection 2 (powertrain CAN bus, low), in main wiring harness
B698	Connection 3 (LIN bus) in main wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

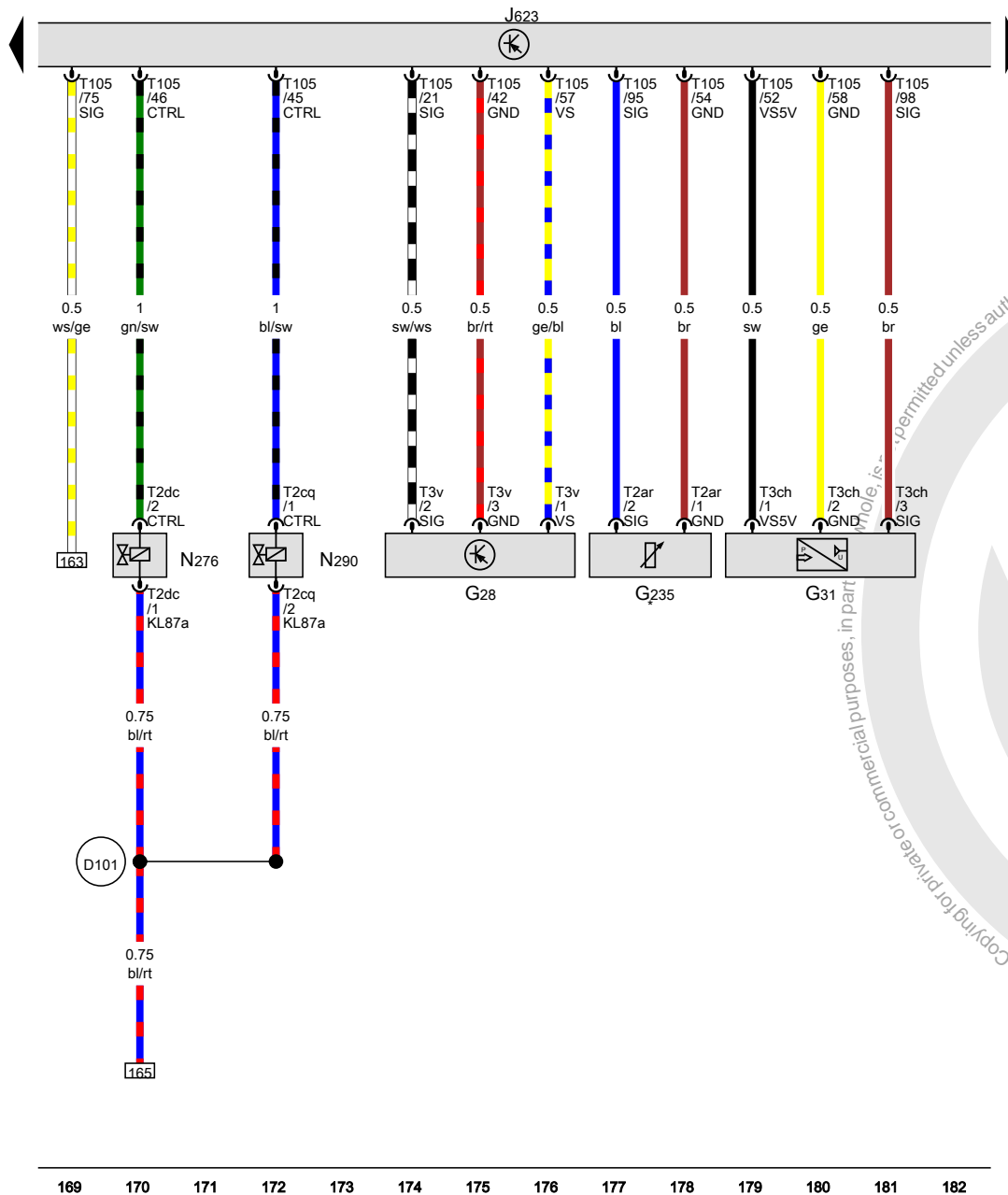
Engine/motor control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Charge pressure positioner



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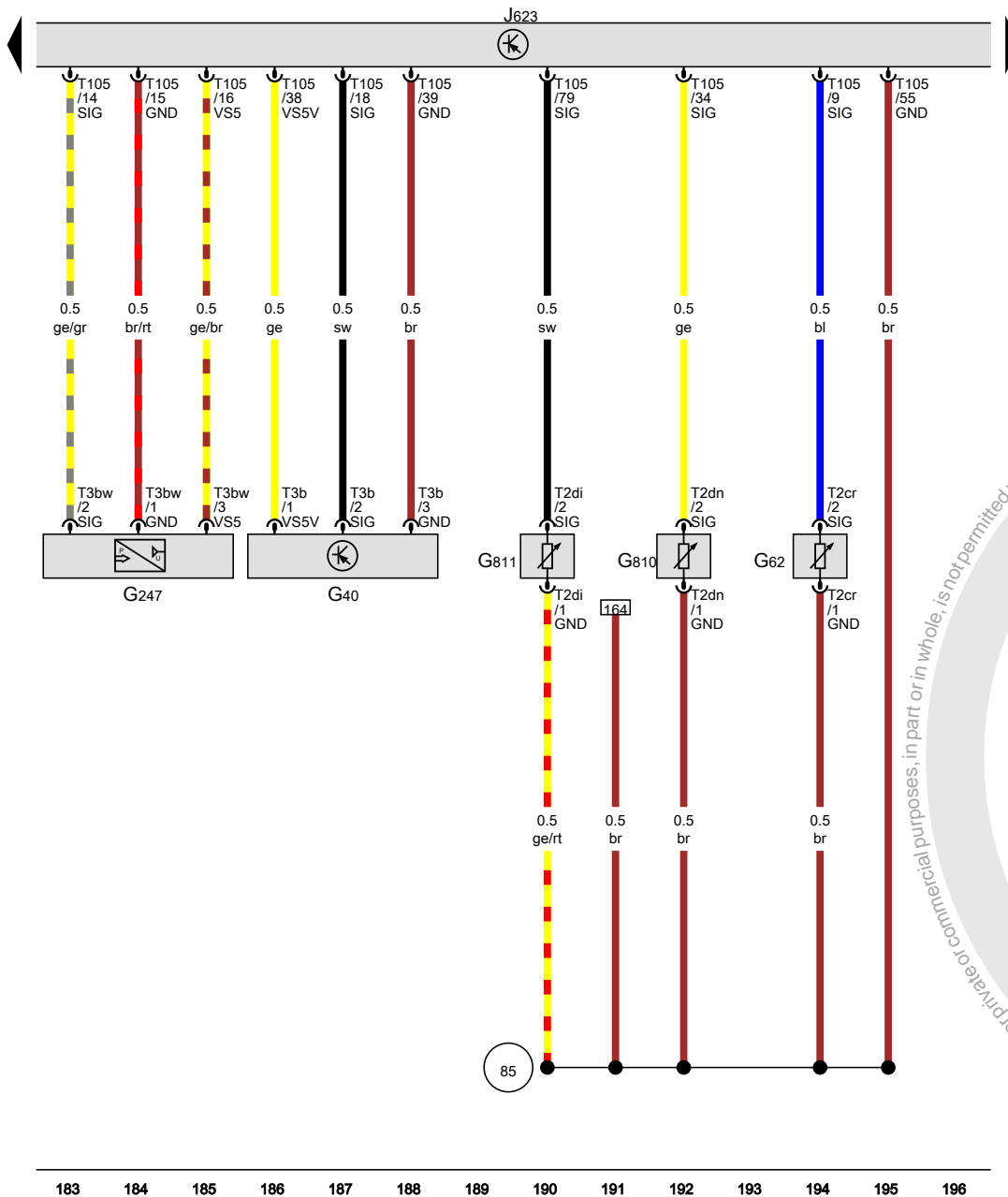
Engine speed sender, Charge pressure sender, Exhaust gas temperature sender 1, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve



- G28 Engine speed sender
- G31 Charge pressure sender
- G235 Exhaust gas temperature sender 1
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2ar 2-pin connector, black
- T2cq 2-pin connector, black
- T2dc 2-pin connector, black
- T3ch 3-pin connector, black
- T3v 3-pin connector, black
- T105 105-pin connector, black
- D101 Connection 1 in engine compartment wiring harness
- * Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



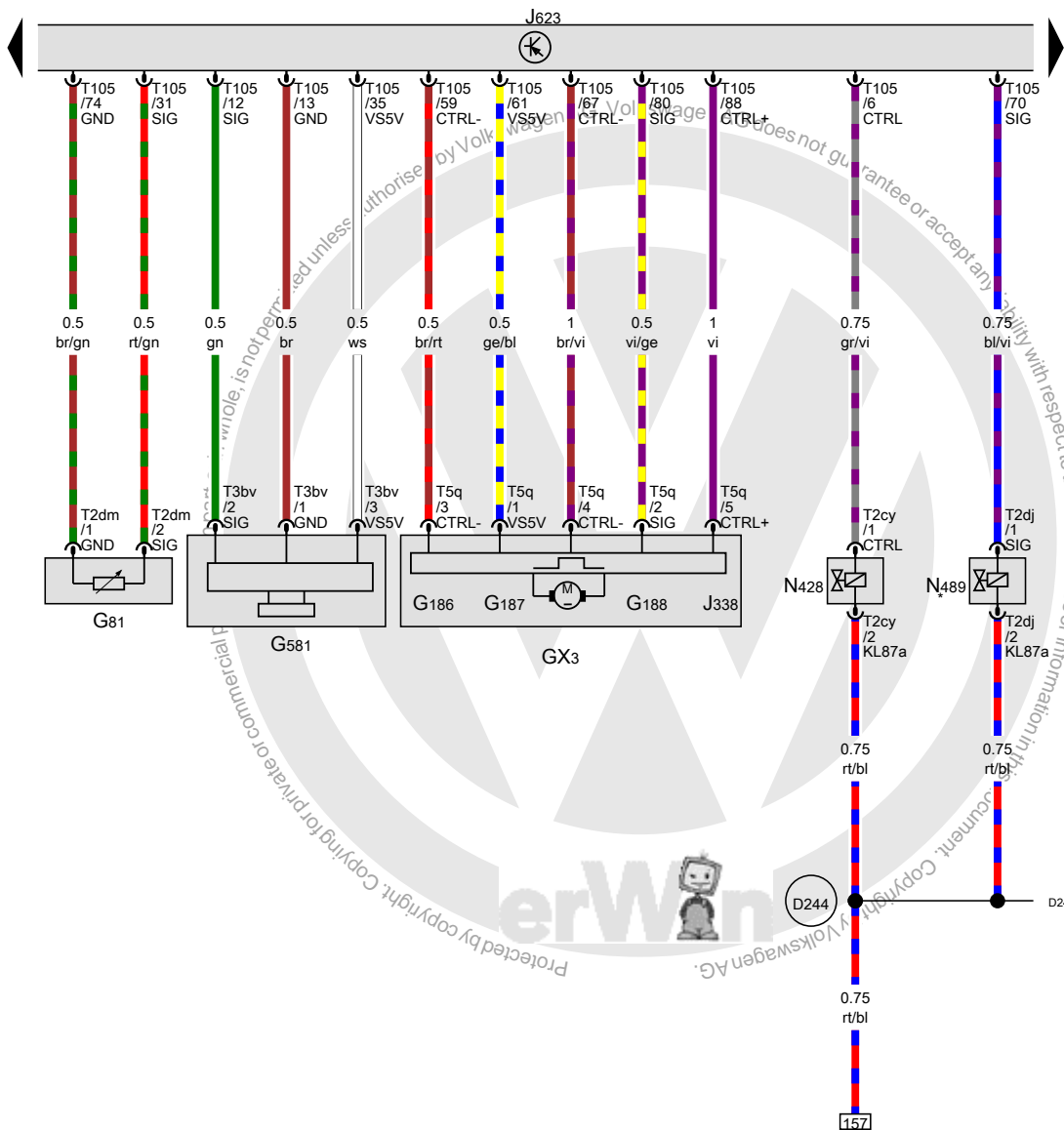


Hall sender, Coolant temperature sender, Fuel pressure sender, Charge air temperature sender before charge air cooler, Charge air temperature sender after charge air cooler, Engine/motor control unit

- G40 Hall sender
- G62 Coolant temperature sender
- G247 Fuel pressure sender
- G810 Charge air temperature sender before charge air cooler
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- T2cr 2-pin connector, black
- T2di 2-pin connector, black
- T2dn 2-pin connector, black
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T105 105-pin connector, black

85 Earth connection 1, in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



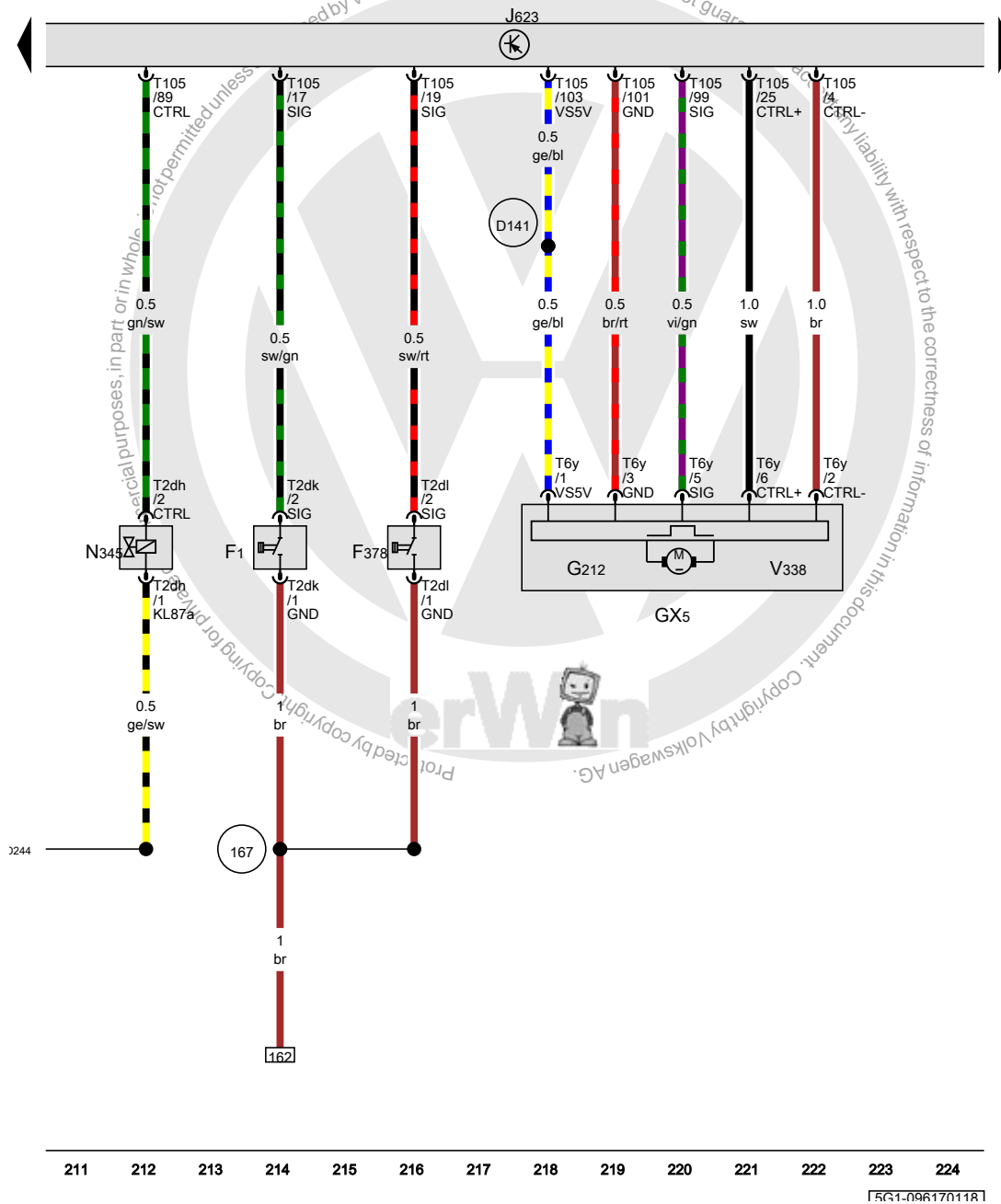
Throttle valve module, Fuel temperature sender, Position sender for charge pressure positioner, Engine/motor control unit, Valve for oil pressure control, Coolant valve for cylinder head

- GX3 Throttle valve module
- G81 Fuel temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine/motor control unit
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cy 2-pin connector, black
- T2dj 2-pin connector, brown
- T2dm 2-pin connector, yellow
- T3bv 3-pin connector, black
- T5q 5-pin connector, brown
- T105 105-pin connector, black

D244 Connection 5 (87a) in engine prewiring harness

* Pre-wired component

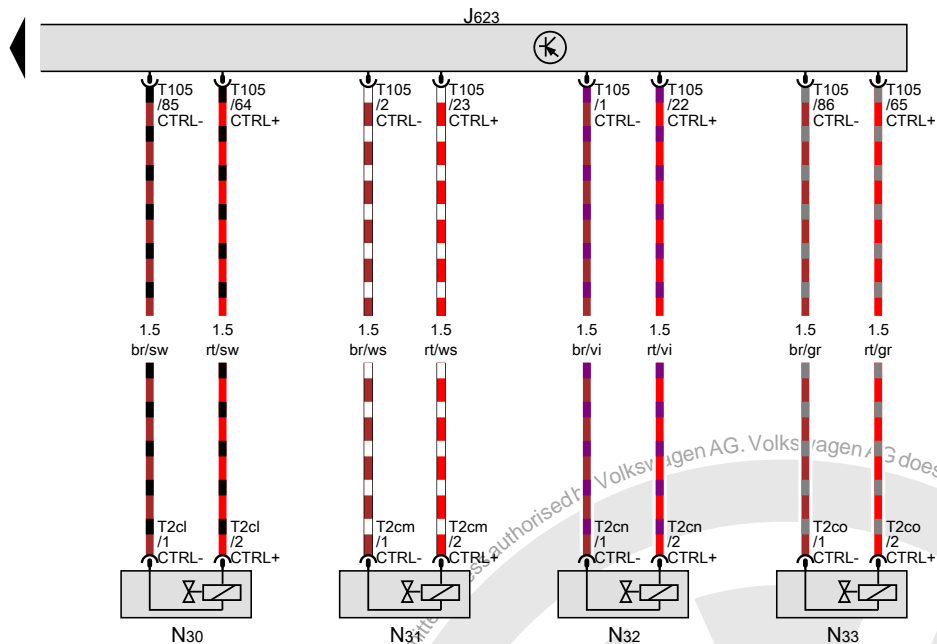
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Exhaust gas recirculation cooler changeover valve

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- GX5 Exhaust gas recirculation valve 1
- G212 Exhaust gas recirculation potentiometer
- J623 Engine/motor control unit
- N345 Exhaust gas recirculation cooler changeover valve
- T2dh 2-pin connector, black
- T2dk 2-pin connector, black
- T2dl 2-pin connector, black
- T6y 6-pin connector, grey
- T105 105-pin connector, black
- V338 Exhaust gas recirculation control motor
- 167 Earth connection 4, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D244 Connection 5 (87a) in engine prewiring harness

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T105 105-pin connector, black

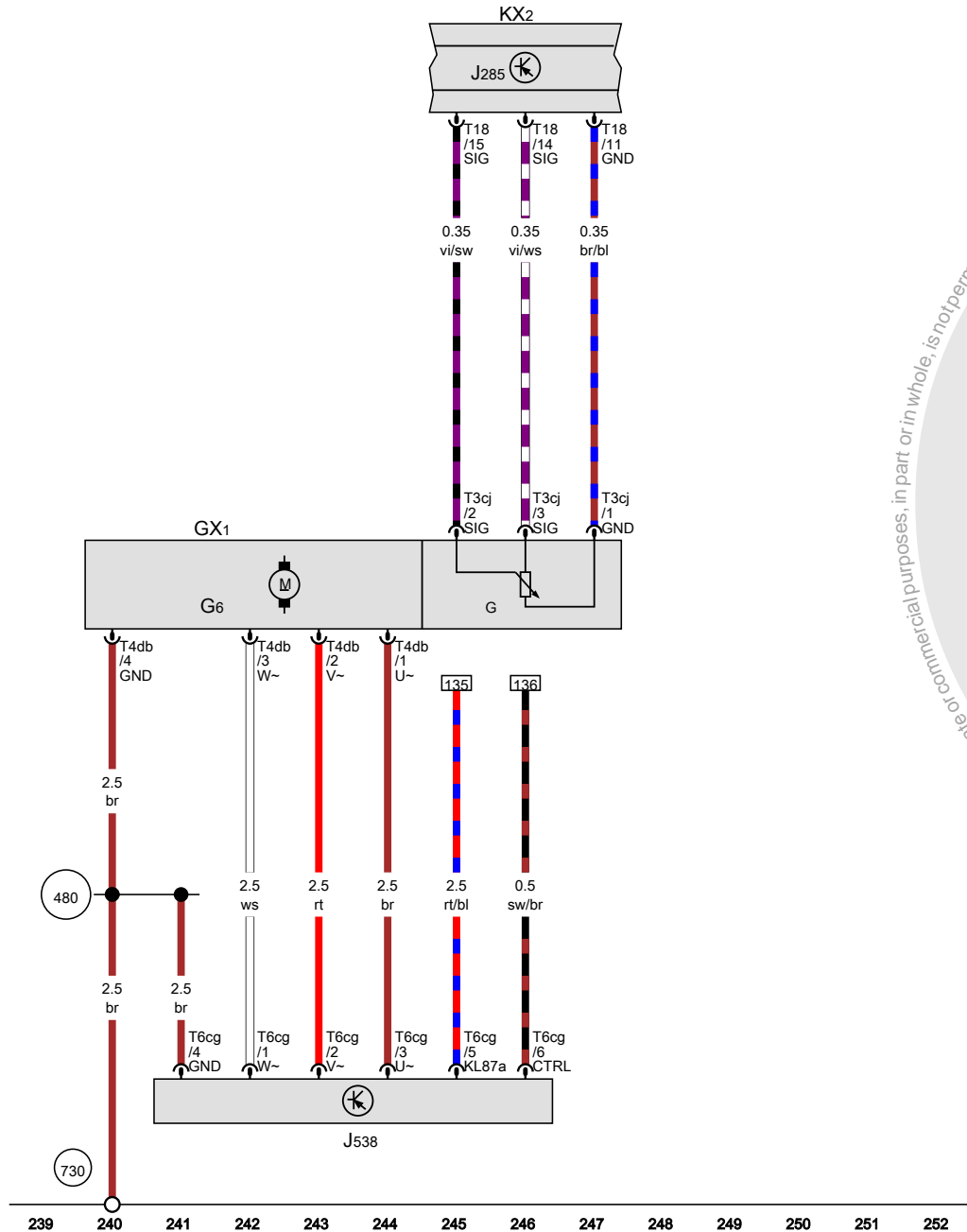
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T4db 4-pin connector, black
- T6cg 6-pin connector, black
- T18 18-pin connector, black, black

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

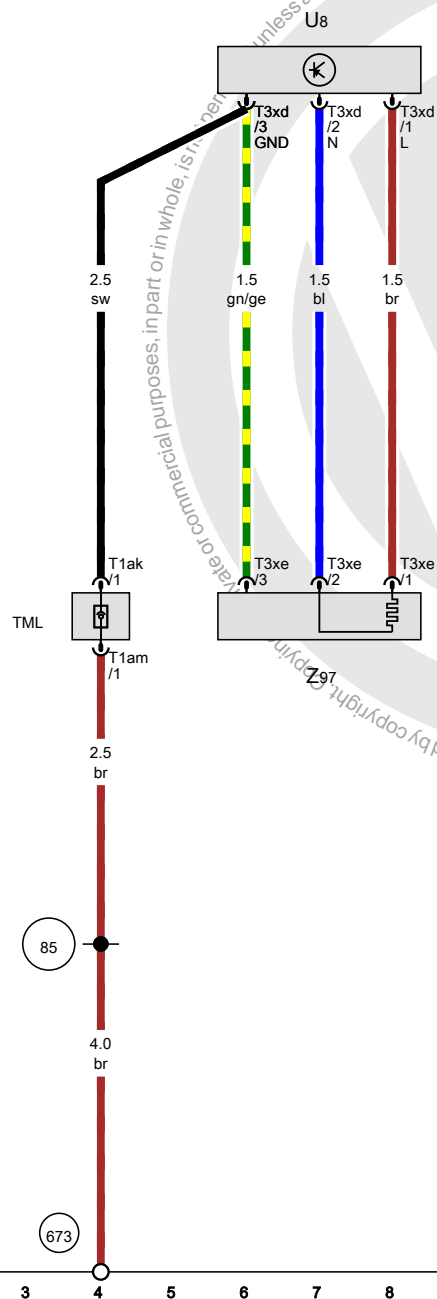


15G1-09R190118

Engine preheating , (7VP)

From May 2013





- | | |
|------|--|
| T1ak | 1-pin connector, black |
| T1am | 1-pin connector, black |
| T3xd | 3-pin connector, black |
| T3xe | 3-pin connector, black |
| TML | Coupling point in engine compartment, left |
| U8 | Exterior socket, 230 V, 110 V |
| Z97 | Engine preheating element |

- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member

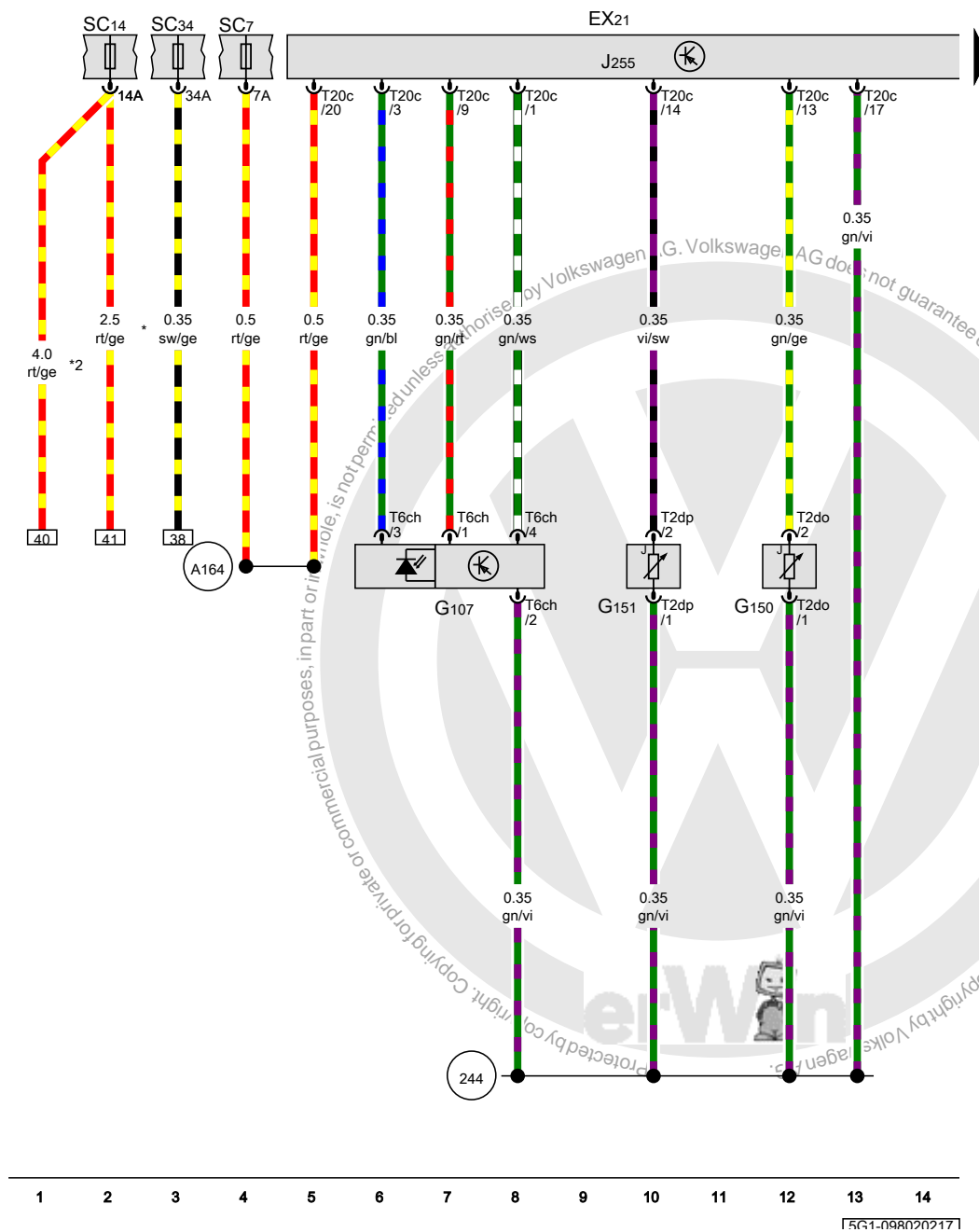
- ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Climatronic , (9AK)

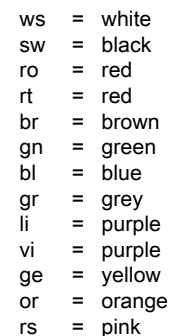
From November 2015



Heater and air conditioning controls, Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Climatronic control unit, Fuse 7 on fuse holder C, Fuse 14 on fuse holder C, Fuse 34 on fuse holder C

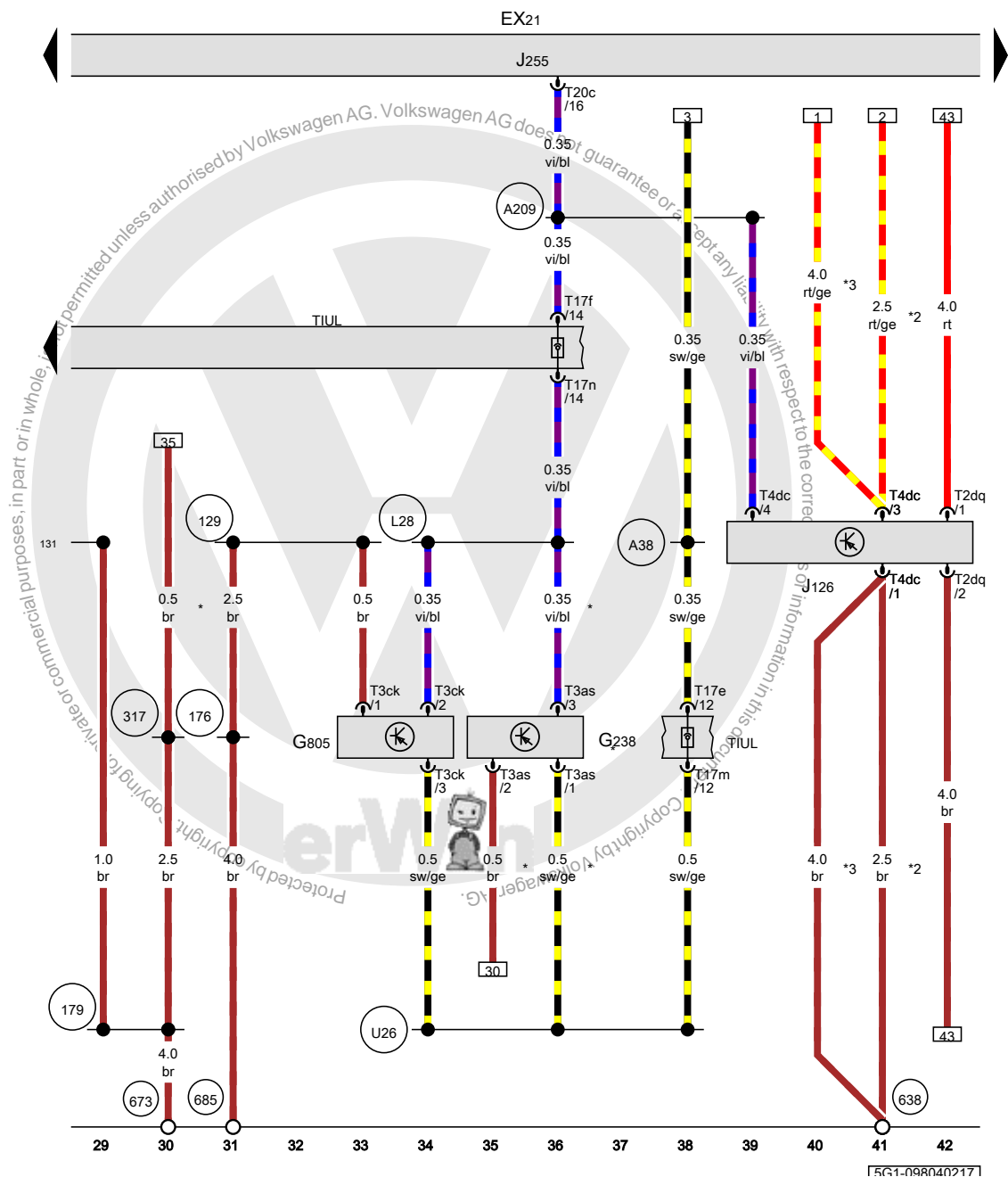


- EX21 Heater and air conditioning controls
- G107 Sunlight penetration photosensor
- G150 Left vent temperature sender
- G151 Right vent temperature sender
- J255 Climatronic control unit
- SC7 Fuse 7 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T2do 2-pin connector
- T2dp 2-pin connector
- T6ch 6-pin connector
- T20c 20-pin connector
- 244 Earth connection (sender earth), in Climatronic wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- * Up to May 2016
- *2 From May 2016



- 131 Earth connection 2, in engine compartment wiring harness
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

- * Only models with petrol engine
- *2 According to equipment
- *3 Only models with diesel engine
- *4 Only left-hand drive models
- *5 Only right-hand drive models

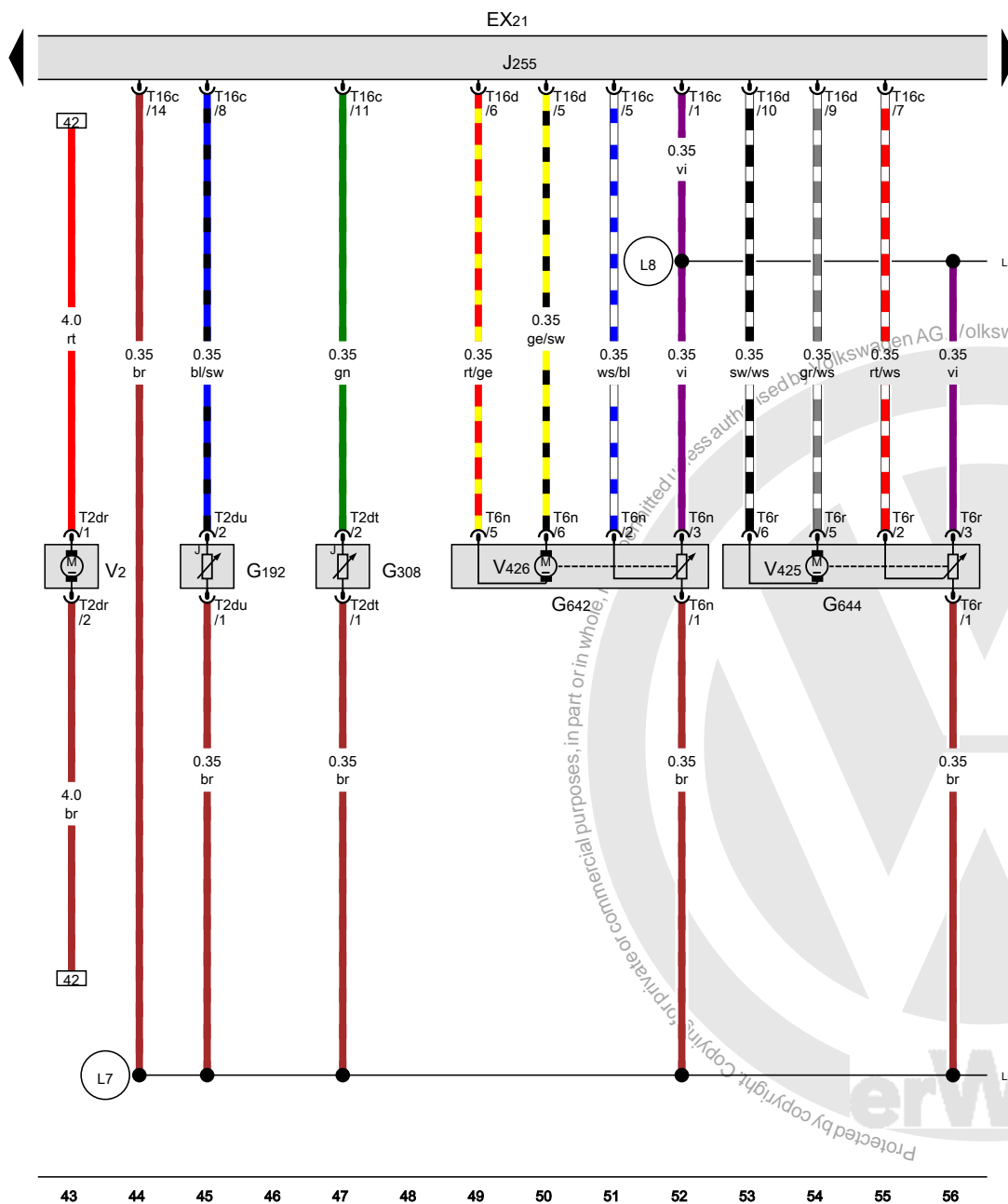


Heater and air conditioning controls, Air quality sensor, Pressure sender for refrigerant circuit, Fresh air blower control unit, Climatronic control unit

- EX21 Heater and air conditioning controls
- G238 Air quality sensor
- G805 Pressure sender for refrigerant circuit
- J126 Fresh air blower control unit
- J255 Climatronic control unit
- T2dq 2-pin connector
- T3as 3-pin connector
- T3ck 3-pin connector
- T4dc 4-pin connector
- T17e 17-pin connector, brown
- T17f 17-pin connector, red
- T17m 17-pin connector, brown
- T17n 17-pin connector, red
- T20c 20-pin connector
- TIUL Coupling point in interior, below left
- 129 Earth connection, in dual tone horn wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 176 Earth connection, in right headlight wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 638 Earth point, on right A-pillar
- 673 Earth point 3, on front of left longitudinal member
- 685 Earth point 1, on front of right longitudinal member
- A38 Positive connection 2 (15a) in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- L28 Connection, in engine compartment wiring harness, Climatronic
- U26 Connection (15), in gearbox switch wiring harness

sw	=	black	*	Only models with Climatronic
ro	=	red	*2	Up to May 2016
rt	=	red	*3	From May 2016
br	=	brown		
gn	=	green		
bl	=	blue		
gr	=	grey		
li	=	purple		
vi	=	purple		
ge	=	yellow		
or	=	orange		
rs	=	pink		



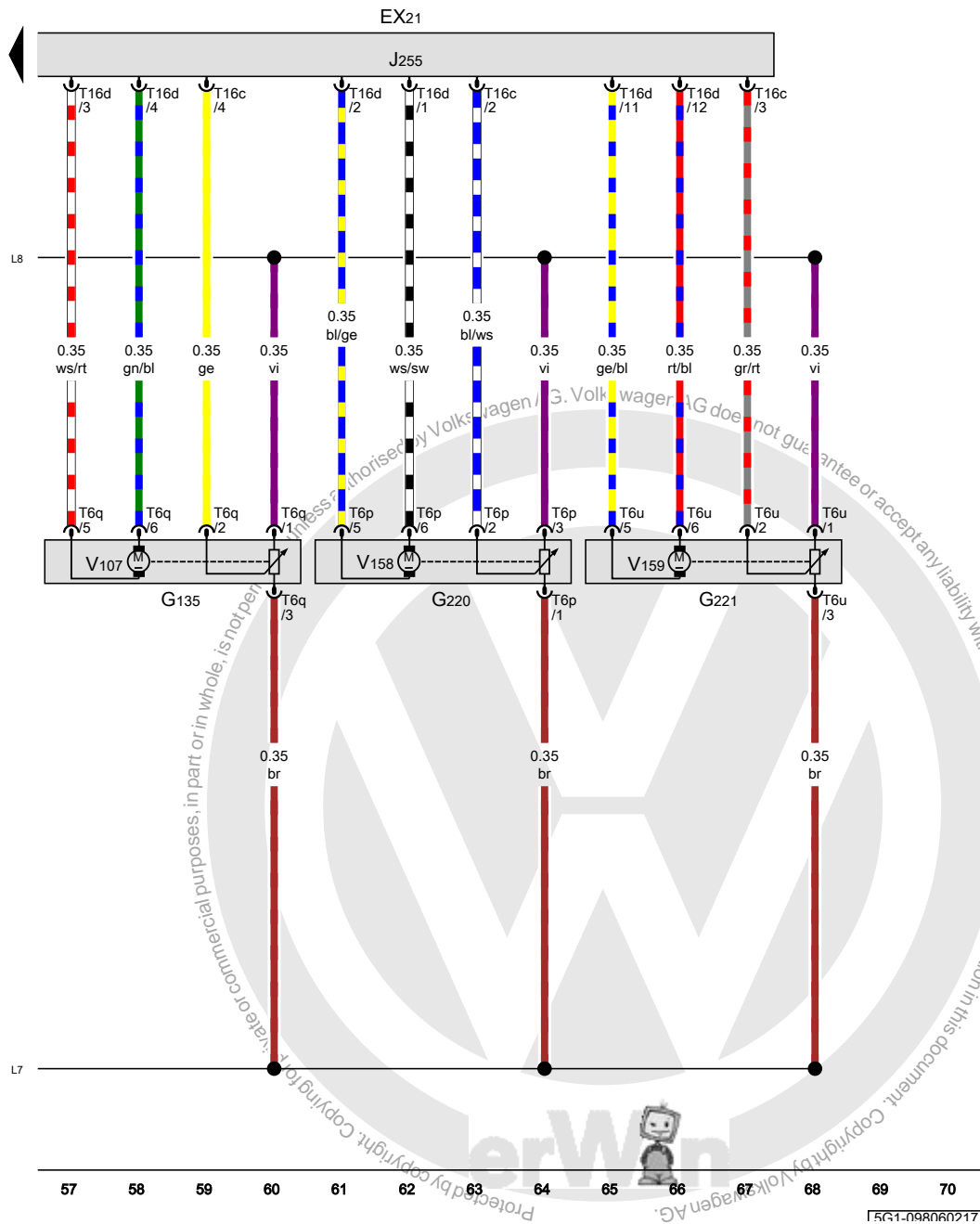


Heater and air conditioning controls, Footwell vent temperature sender, Evaporator temperature sensor, Potentiometer for front air distribution flap control motor, Potentiometer for fresh air/air recirculation, air flow flap control motor, Climatronic control unit, Fresh air blower, Fresh air/air recirculation, air flow flap control motor, Front air distribution flap control motor

- | | |
|------|--|
| EX21 | Heater and air conditioning controls |
| G192 | Footwell vent temperature sender |
| G308 | Evaporator temperature sensor |
| G642 | Potentiometer for front air distribution flap control motor |
| G644 | Potentiometer for fresh air/air recirculation, air flow flap control motor |
| J255 | Climatronic control unit |
| T2dr | 2-pin connector |
| T2dt | 2-pin connector |
| T2du | 2-pin connector |
| T6n | 6-pin connector |
| T6r | 6-pin connector |
| T16c | 16-pin connector, black |
| T16d | 16-pin connector, brown |
| V2 | Fresh air blower |
| V425 | Fresh air/air recirculation, air flow flap control motor |
| V426 | Front air distribution flap control motor |

- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Heater and air conditioning controls, Potentiometer for defroster flap control motor, Potentiometer for left temperature flap control motor, Potentiometer for right temperature flap control motor, Climatronic control unit, Defroster flap control motor, Left temperature flap control motor, Right temperature flap control motor

- EX21 Heater and air conditioning controls
- G135 Potentiometer for defroster flap control motor
- G220 Potentiometer for left temperature flap control motor
- G221 Potentiometer for right temperature flap control motor
- J255 Climatronic control unit
- T6p 6-pin connector
- T6q 6-pin connector
- T6u 6-pin connector
- T16c 16-pin connector, black
- T16d 16-pin connector, brown
- V107 Defroster flap control motor
- V158 Left temperature flap control motor
- V159 Right temperature flap control motor

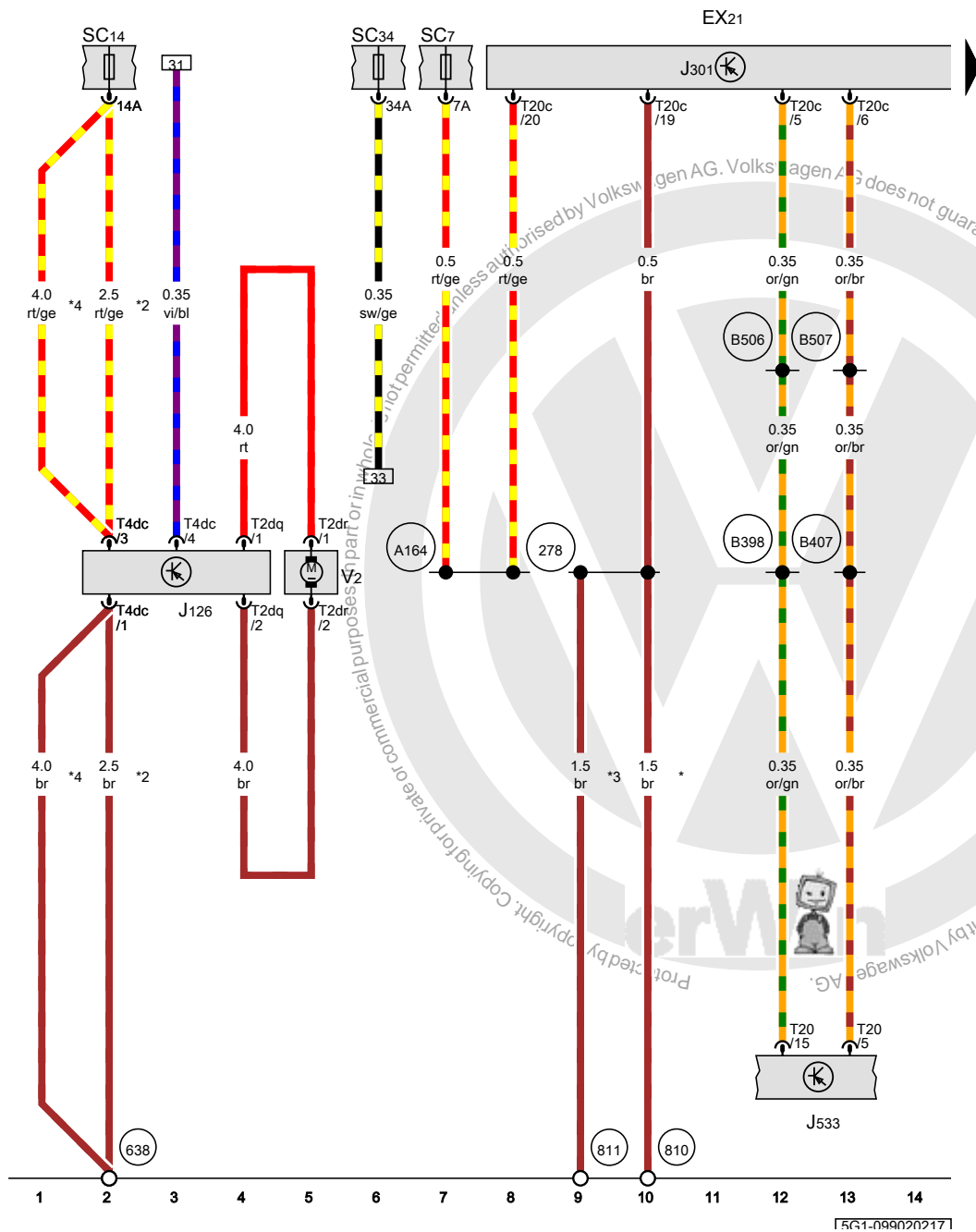
L7 Connection 3, in evaporator housing unit wiring harness

L8 Connection 4, in evaporator housing unit wiring harness

Air conditioning system , (KH6)

From November 2015



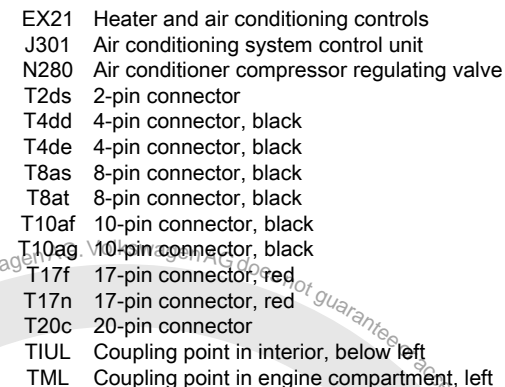


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Heater and air conditioning controls, Fresh air blower control unit, Air conditioning system control unit, Data bus diagnostic interface, Fuse 7 on fuse holder C, Fuse 14 on fuse holder C, Fuse 34 on fuse holder C, Fresh air blower

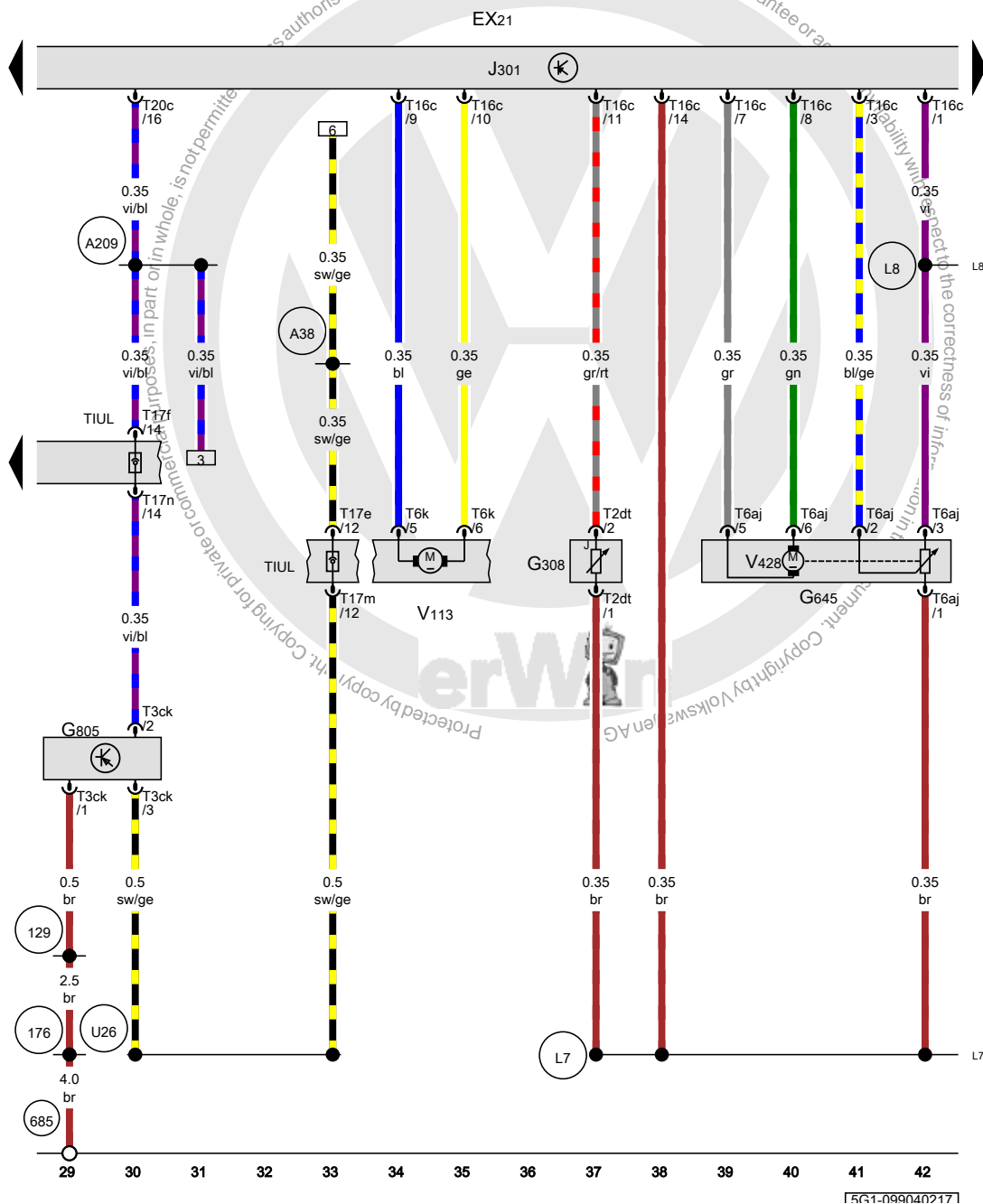
- EX21 Heater and air conditioning controls
- J126 Fresh air blower control unit
- J301 Air conditioning system control unit
- J533 Data bus diagnostic interface
- SC7 Fuse 7 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- T2dq 2-pin connector
- T2dr 2-pin connector
- T4dc 4-pin connector
- T20 20-pin connector
- T20c 20-pin connector
- V2 Fresh air blower
- 278 Earth connection 4, in interior wiring harness
- 638 Earth point, on right A-pillar
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A164 Positive connection 2 (30a) in dash panel wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Only left-hand drive models
- *2 Up to May 2016
- *3 Only right-hand drive models
- *4 From May 2016

Current Flow Diagram



- | | |
|-----|--|
| 131 | Earth connection 2, in engine compartment wiring harness |
| 179 | Earth connection, in left headlight wiring harness |
| 673 | Earth point 3, on front of left longitudinal member |
| * | Only models with petrol engine |
| *2 | According to equipment |
| *3 | Only models with diesel engine |

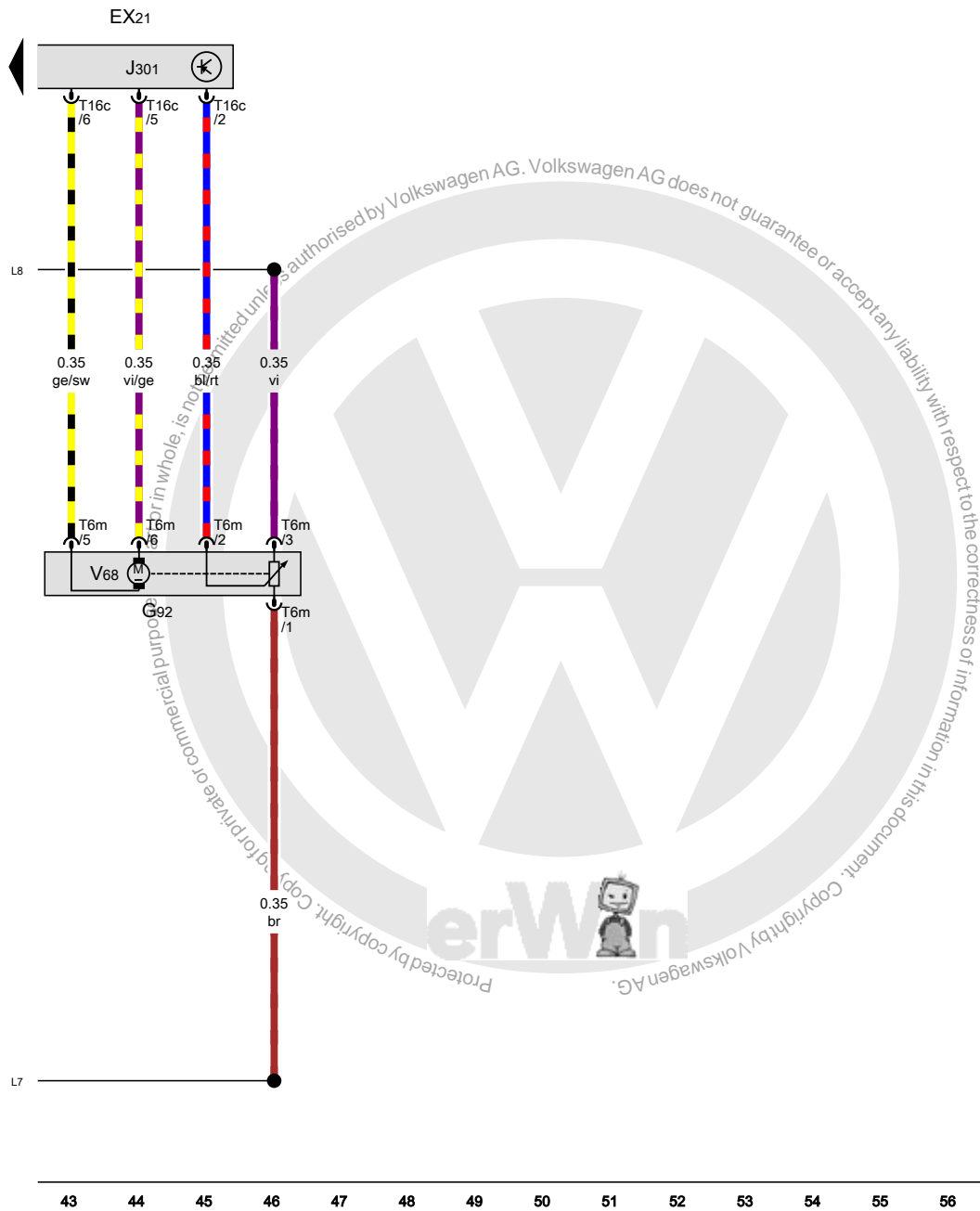
ws = white
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rt = red
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gn = green
bl = blue
gr = grey
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vi = purple
ge = yellow
or = orange
rs = pink



Heater and air conditioning controls, Evaporator temperature sensor, Potentiometer for air distribution flap control motor, Pressure sender for refrigerant circuit, Air conditioning system control unit, Air recirculation flap control motor, Air distribution flap control motor

- EX21 Heater and air conditioning controls
- G308 Evaporator temperature sensor
- G645 Potentiometer for air distribution flap control motor
- G805 Pressure sender for refrigerant circuit
- J301 Air conditioning system control unit
- T2dt 2-pin connector
- T3ck 3-pin connector
- T6aj 6-pin connector
- T6k 6-pin connector
- T16c 16-pin connector
- T17e 17-pin connector, brown
- T17f 17-pin connector, red
- T17m 17-pin connector, brown
- T17n 17-pin connector, red
- T20c 20-pin connector
- TIUL Coupling point in interior, below left
- V113 Air recirculation flap control motor
- V428 Air distribution flap control motor

- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- A38 Positive connection 2 (15a) in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness
- U26 Connection (15), in gearbox switch wiring harness



Heater and air conditioning controls, Potentiometer for temperature flap control motor, Air conditioning system control unit, Temperature flap control motor

- EX21 Heater and air conditioning controls
- G92 Potentiometer for temperature flap control motor
- J301 Air conditioning system control unit
- T6m 6-pin connector
- T16c 16-pin connector
- V68 Temperature flap control motor

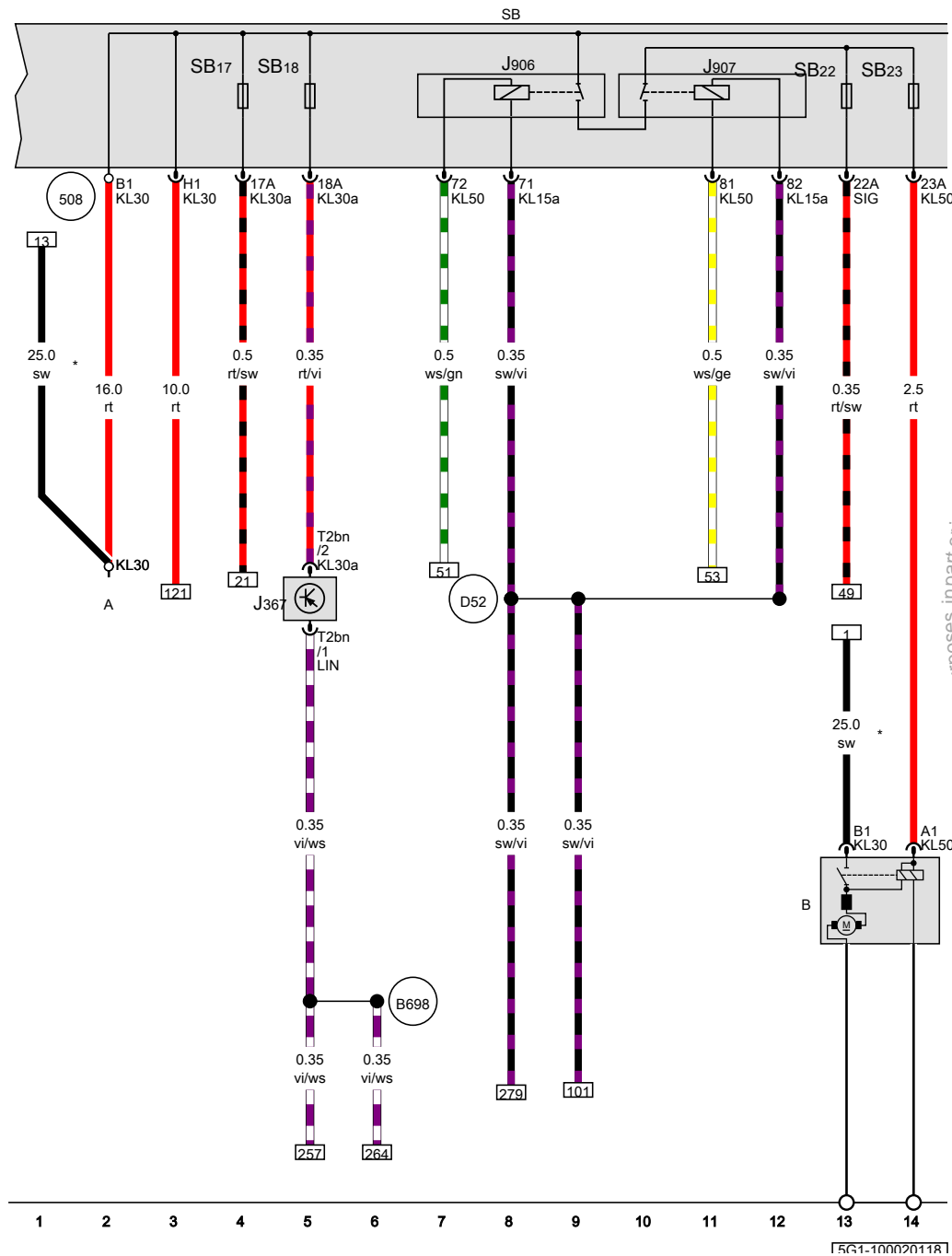
- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.0l diesel engine , CRBC,CRVA,CRVC

From November 2015



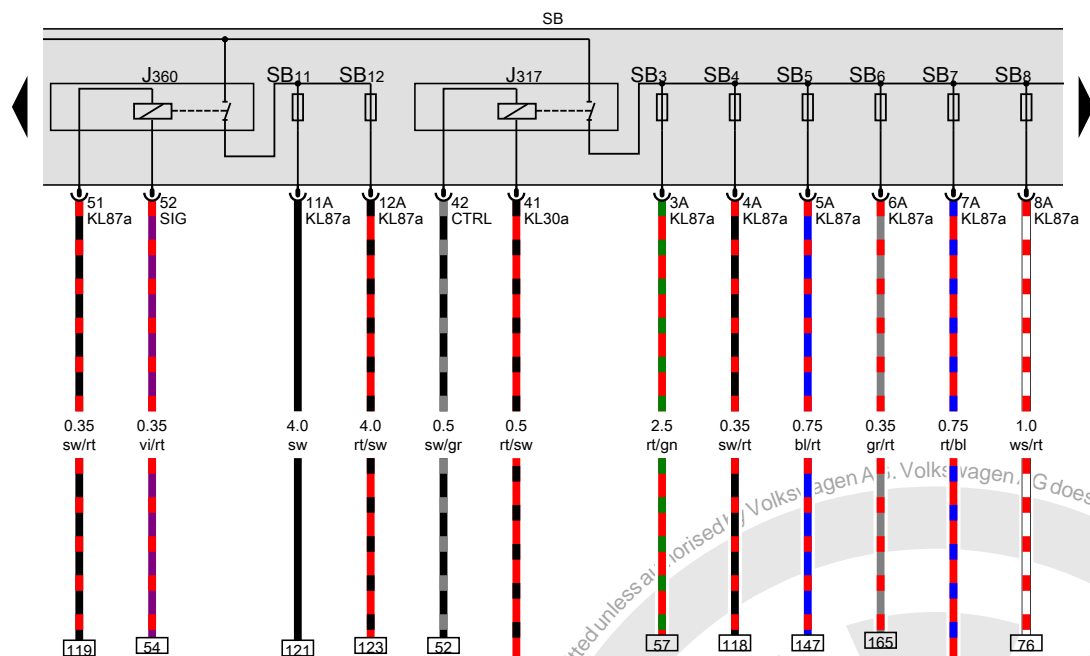


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector

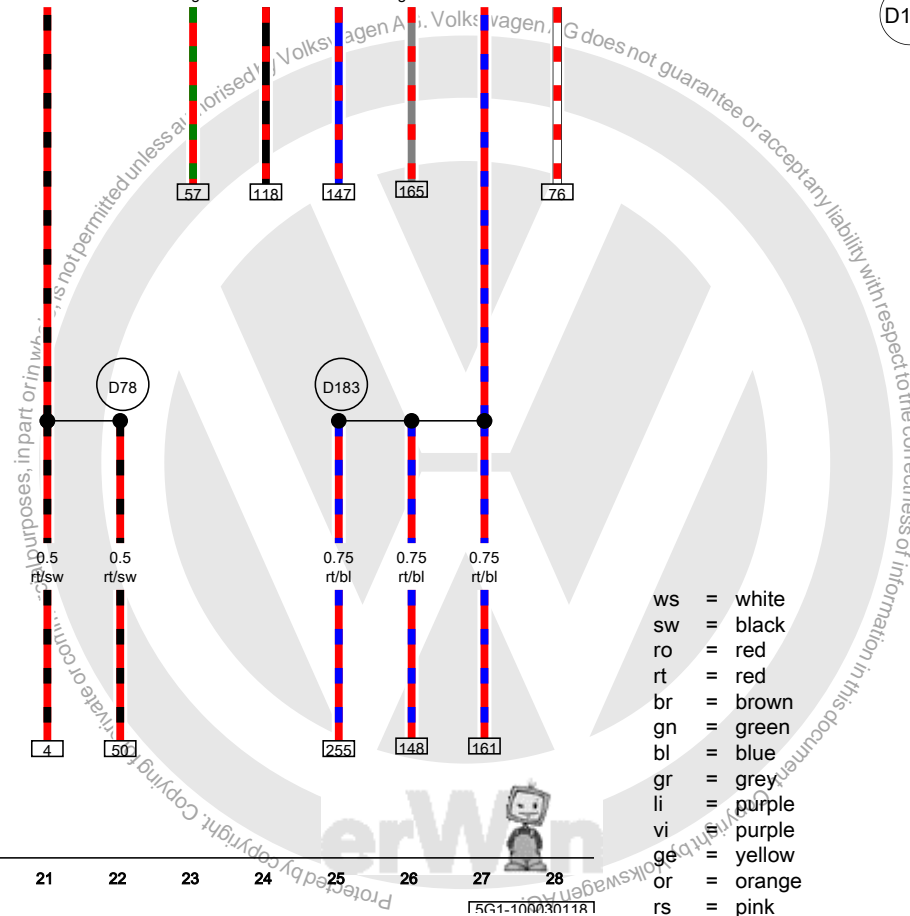
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible

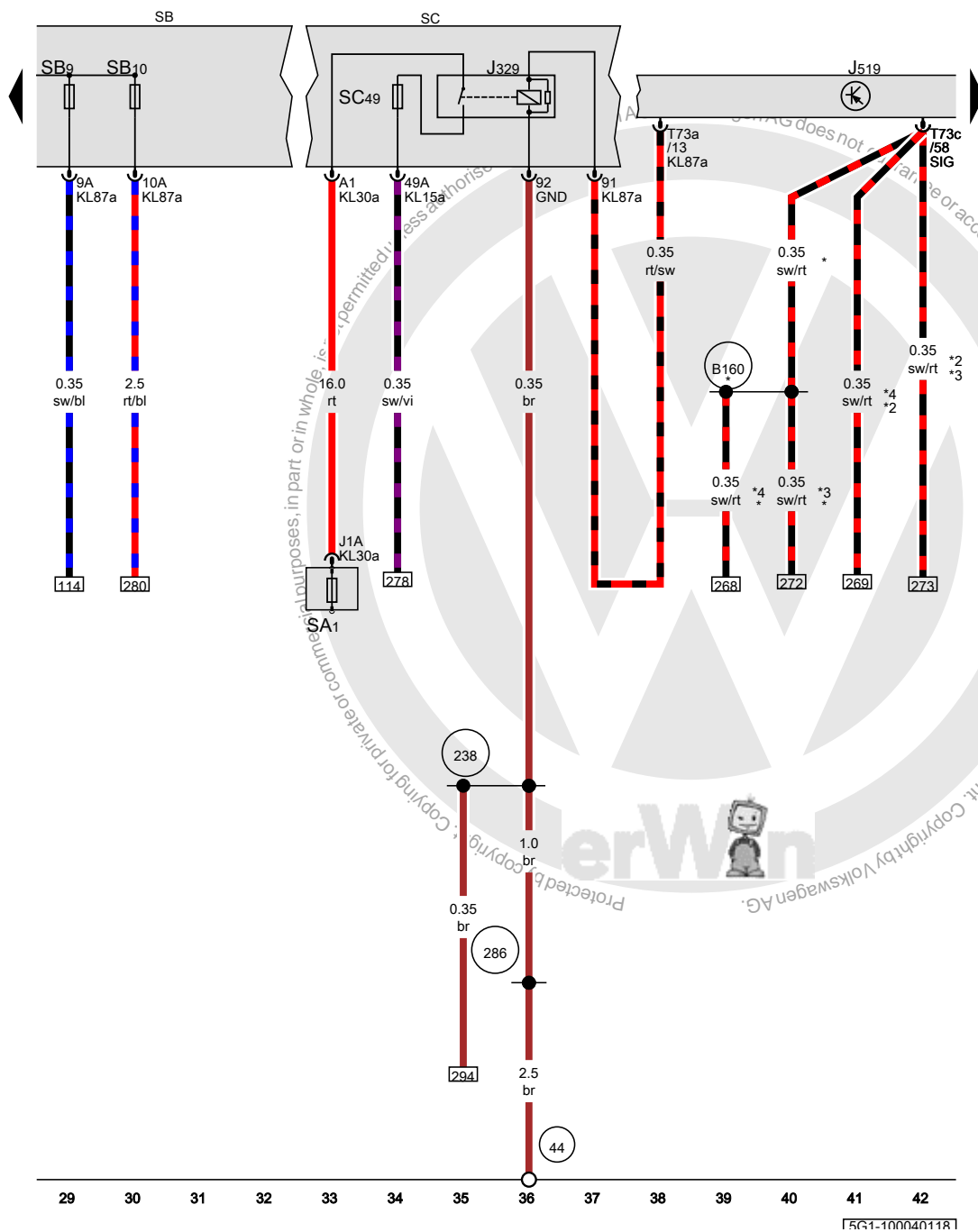
- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Terminal 30 voltage supply relay, High heat output relay, Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness



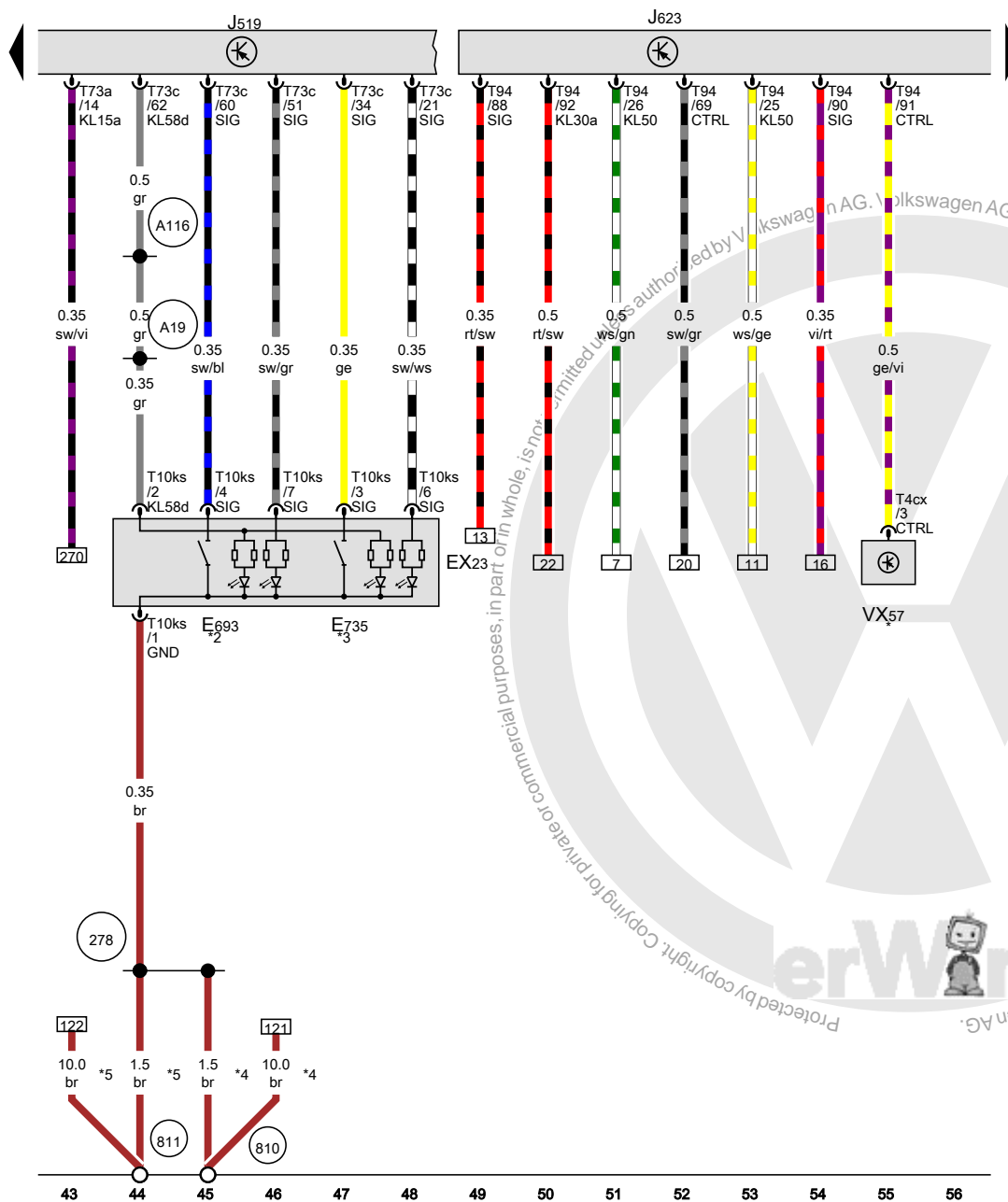


Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- * For models with trailer socket
- *2 For models with no trailer socket
- *3 Up to November 2017
- *4 From November 2017

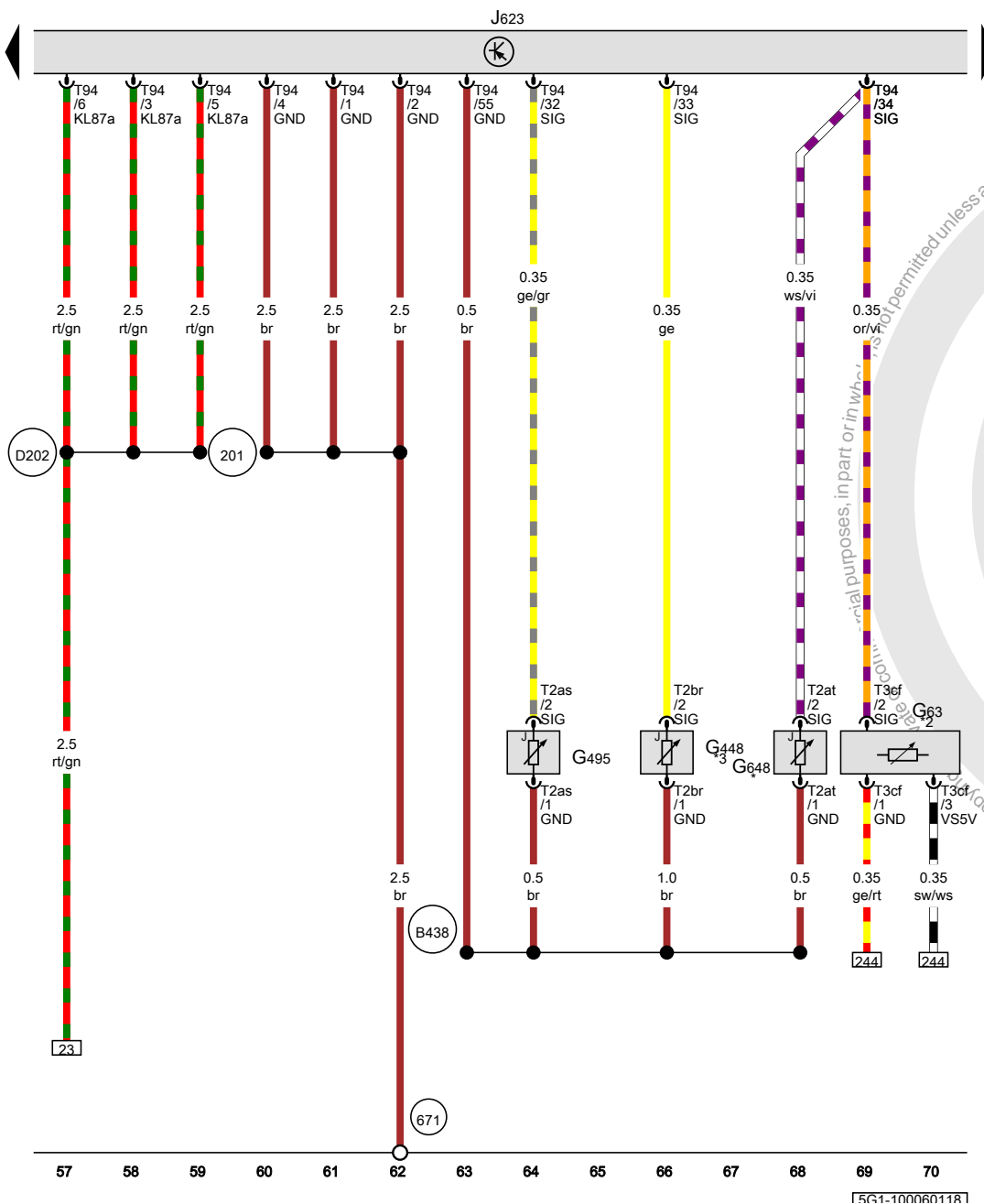
- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Onboard supply control unit, Engine/motor control unit, Radiator fan

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- T4cx 4-pin connector
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- T94 94-pin connector
- VX57 Radiator fan

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Pre-wired component
- *2 For models with start/stop system
- *3 According to equipment
- *4 For left-hand drive models
- *5 For right-hand drive models



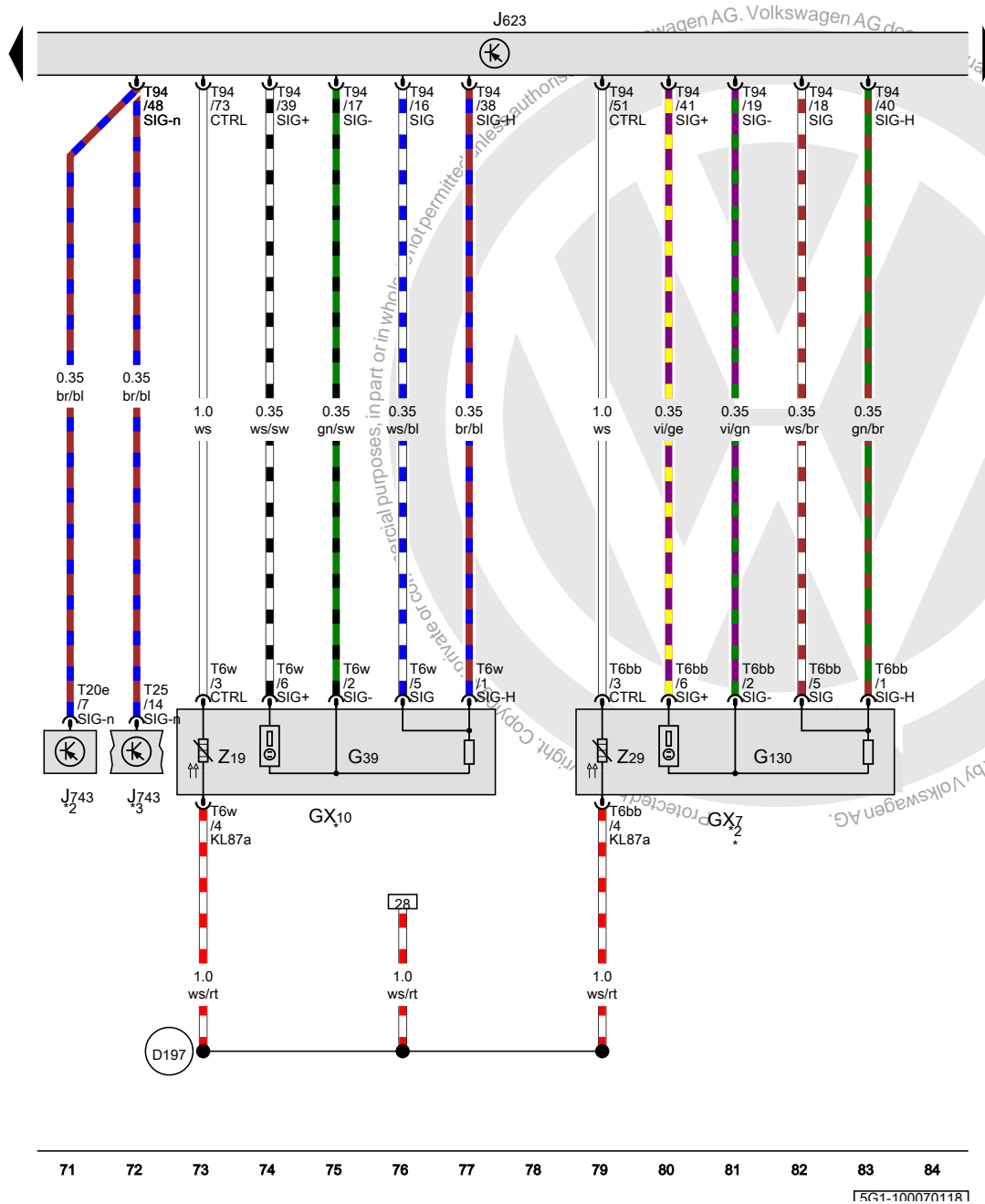
Water separator sender, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit

- G63 Water separator sender
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- T2as 2-pin connector
- T2at 2-pin connector
- T2br 2-pin connector
- T3cf 3-pin connector
- T94 94-pin connector

- 201 Earth connection 5, in engine compartment wiring harness
- 671 Earth point 1, on front of left longitudinal member
- B438 Connection 2 (GND (earth)), in main wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness

- * Not for models with Euro 4 emission standard
- *2 For models with Euro 4 emission standard
- *3 For models with Euro 6 plus emission standard

- ws = white
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- ro = red
- rt = red
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- bl = blue
- gr = grey
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- vi = purple
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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6bb 6-pin connector
- T6w 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D197 Connection 5 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 see applicable current flow diagram for gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Gearbox neutral position sender, Engine/motor control unit, Exhaust flap control unit

- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T3bo 3-pin connector
- T5aa 5-pin connector
- T5ab 5-pin connector, brown
- T5ao 5-pin connector
- T94 94-pin connector
- TAQL Coupling point on rear cross member, left

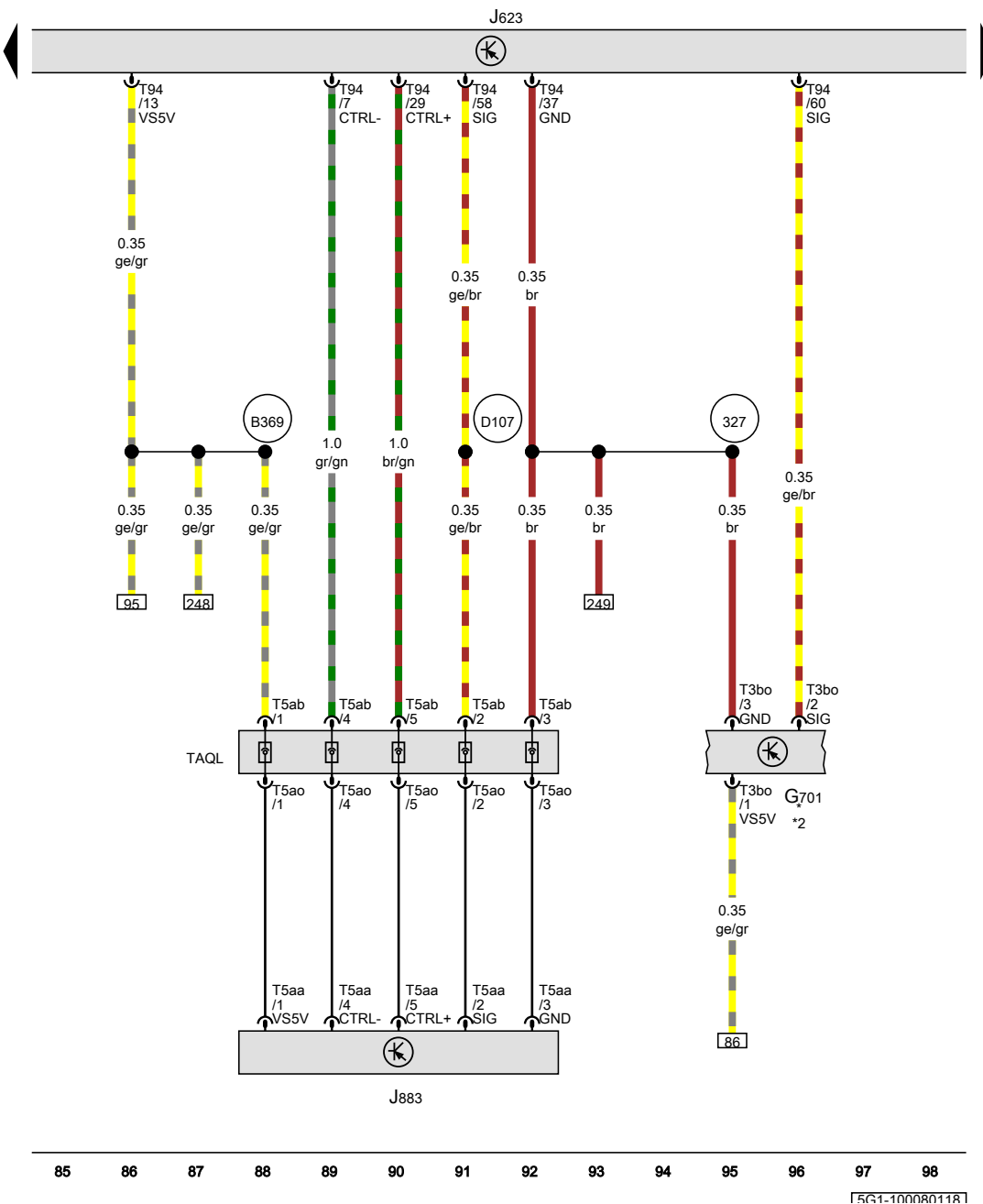
327 Earth connection (sender earth), in engine compartment wiring harness

B369 Connection 1 (5V), in main wiring harness

D107 Connection 5 in engine compartment wiring harness

* For models with start/stop system

*2 For models with manual gearbox

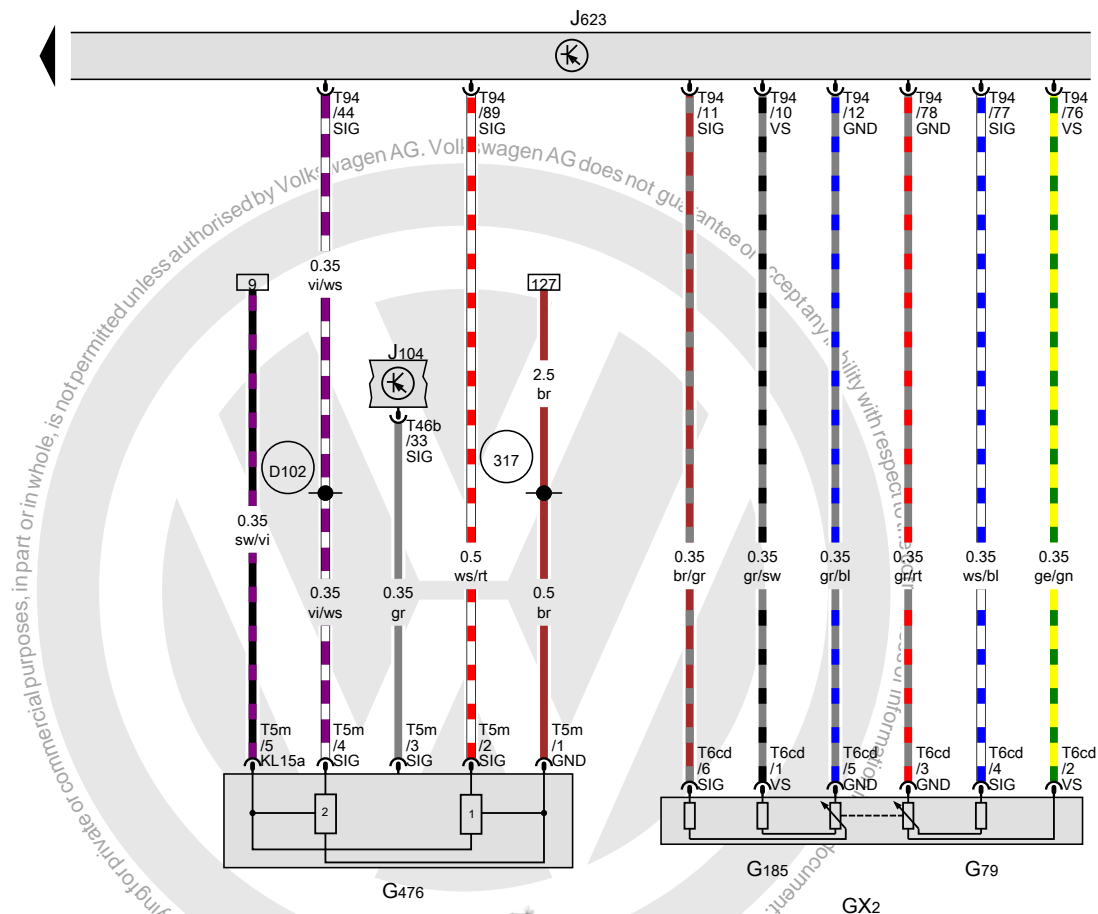


- ws = white
- sw = black
- ro = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

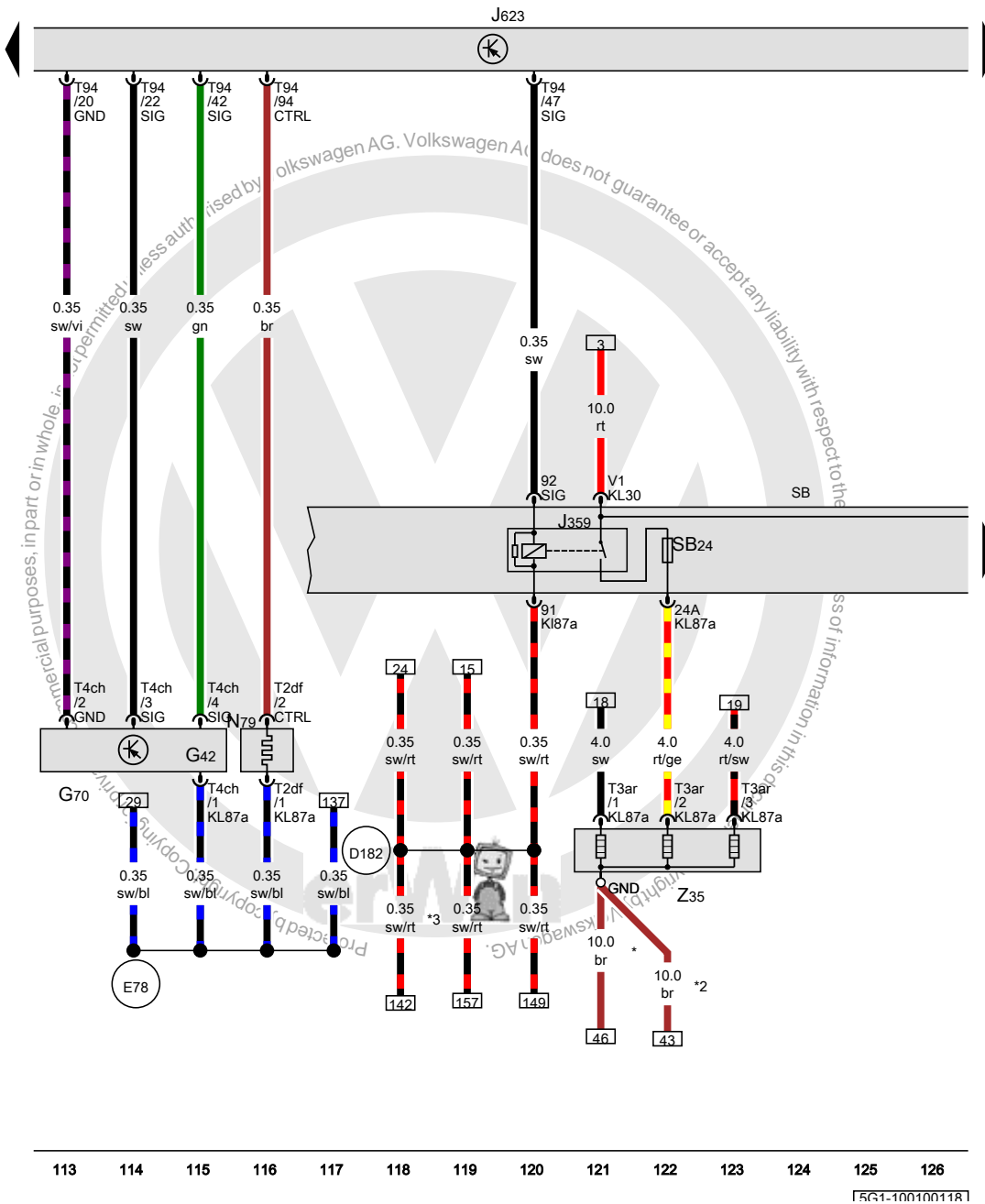
Accelerator pedal module, Clutch position sender, ABS control unit, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T5m 5-pin connector
- T6cd 6-pin connector
- T46b 46-pin connector
- T94 94-pin connector

- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Air mass meter, Low heat output relay, Engine/motor control unit, Heater element for crankcase breather, Auxiliary air heater element

- G42 Intake air temperature sender
- G70 Air mass meter
- J359 Low heat output relay
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T2df 2-pin connector
- T3ar 3-pin connector
- T4ch 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

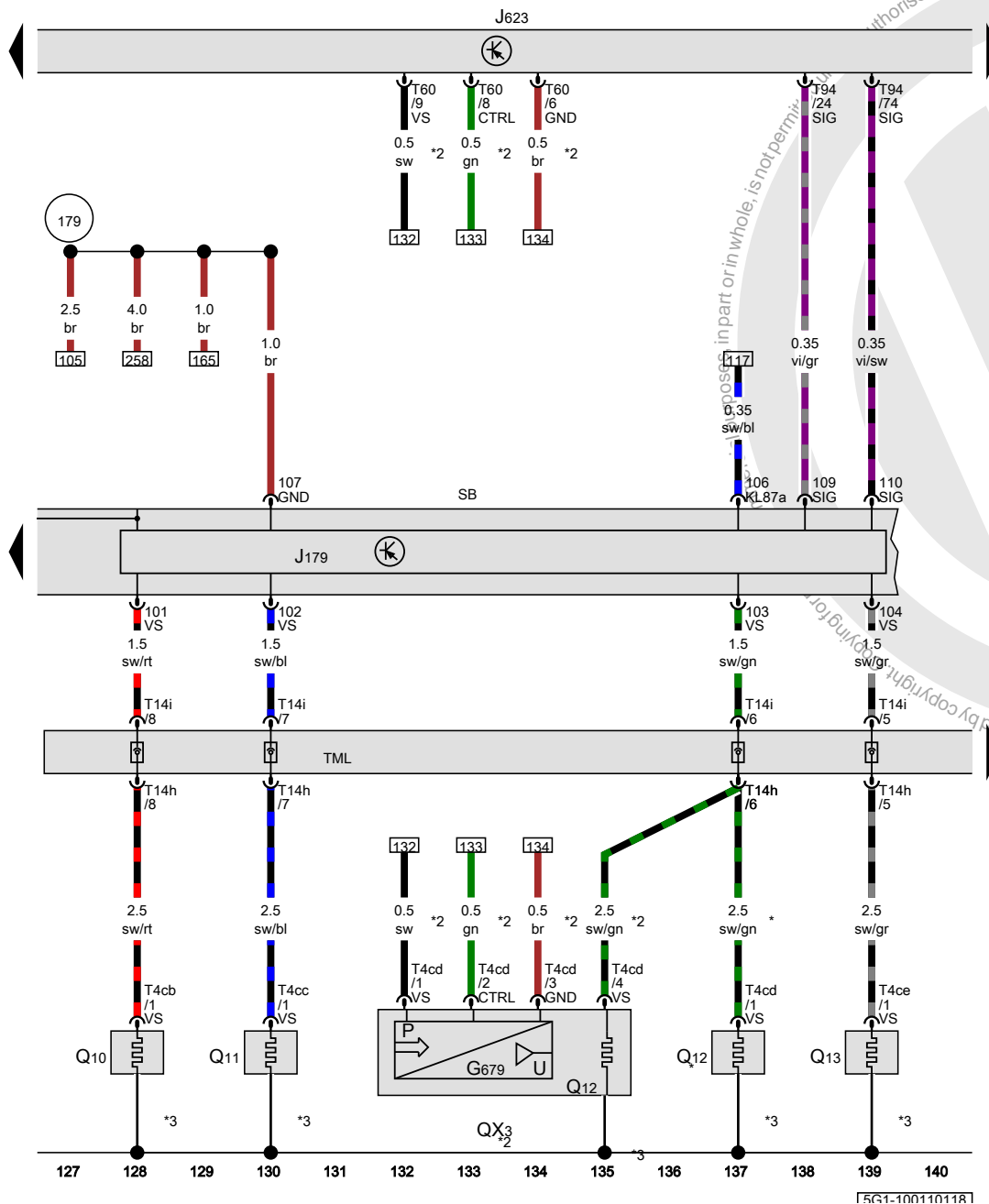
D182 Connection 3 (87a), in engine compartment wiring harness

E78 Connection 2 (87a) in engine wiring harness

- * For left-hand drive models
- *2 For right-hand drive models
- *3 For models with Euro 4 emission standard

- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Automatic glow period control unit, Engine/motor control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4



- G679 Cylinder 3 combustion chamber pressure sender
- J179 Automatic glow period control unit
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B, in E-box
- T4cb 4-pin connector, black
- T4cc 4-pin connector, black
- T4cd 4-pin connector, black
- T4ce 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left

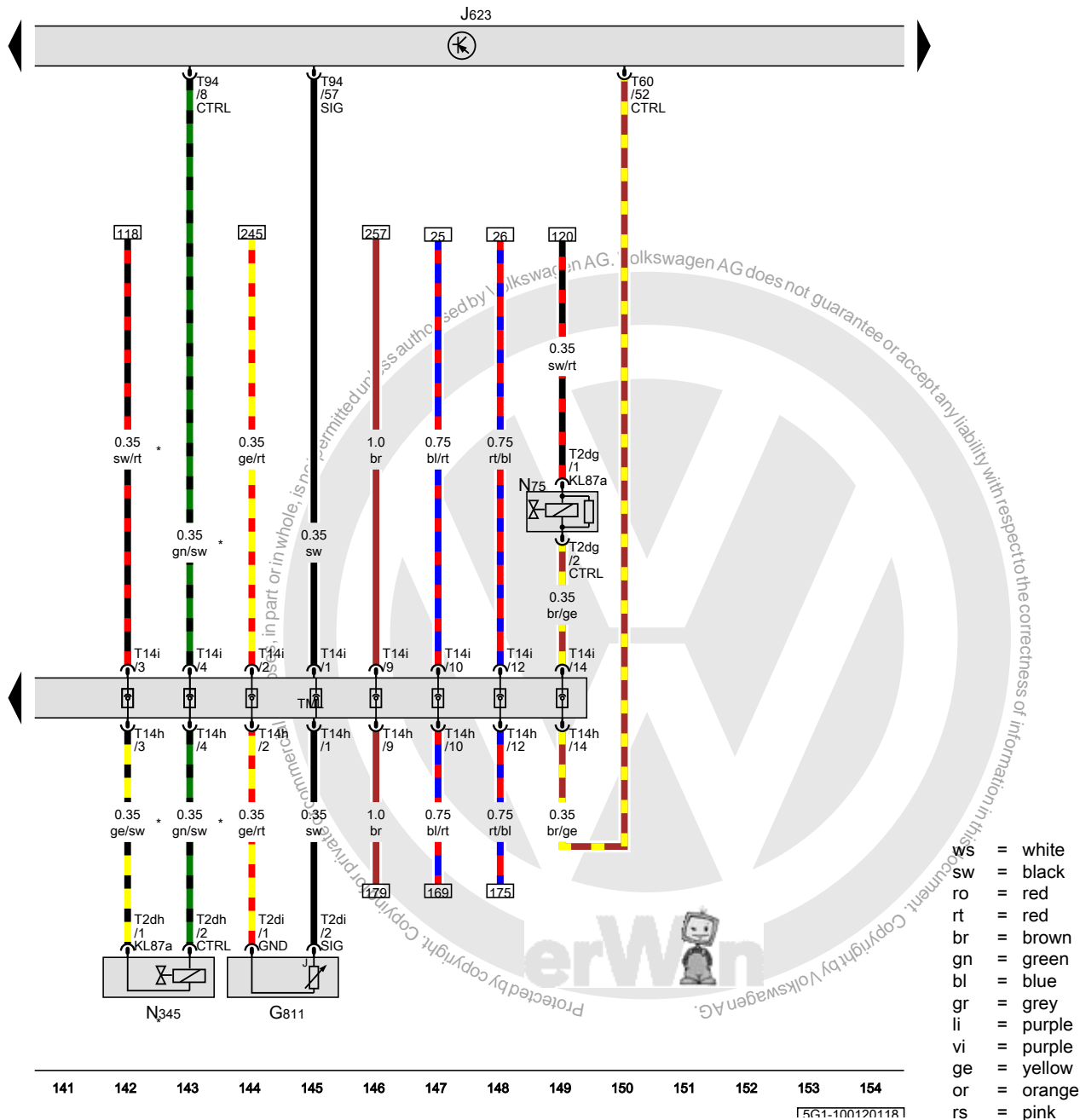
179 Earth connection, in left headlight wiring harness

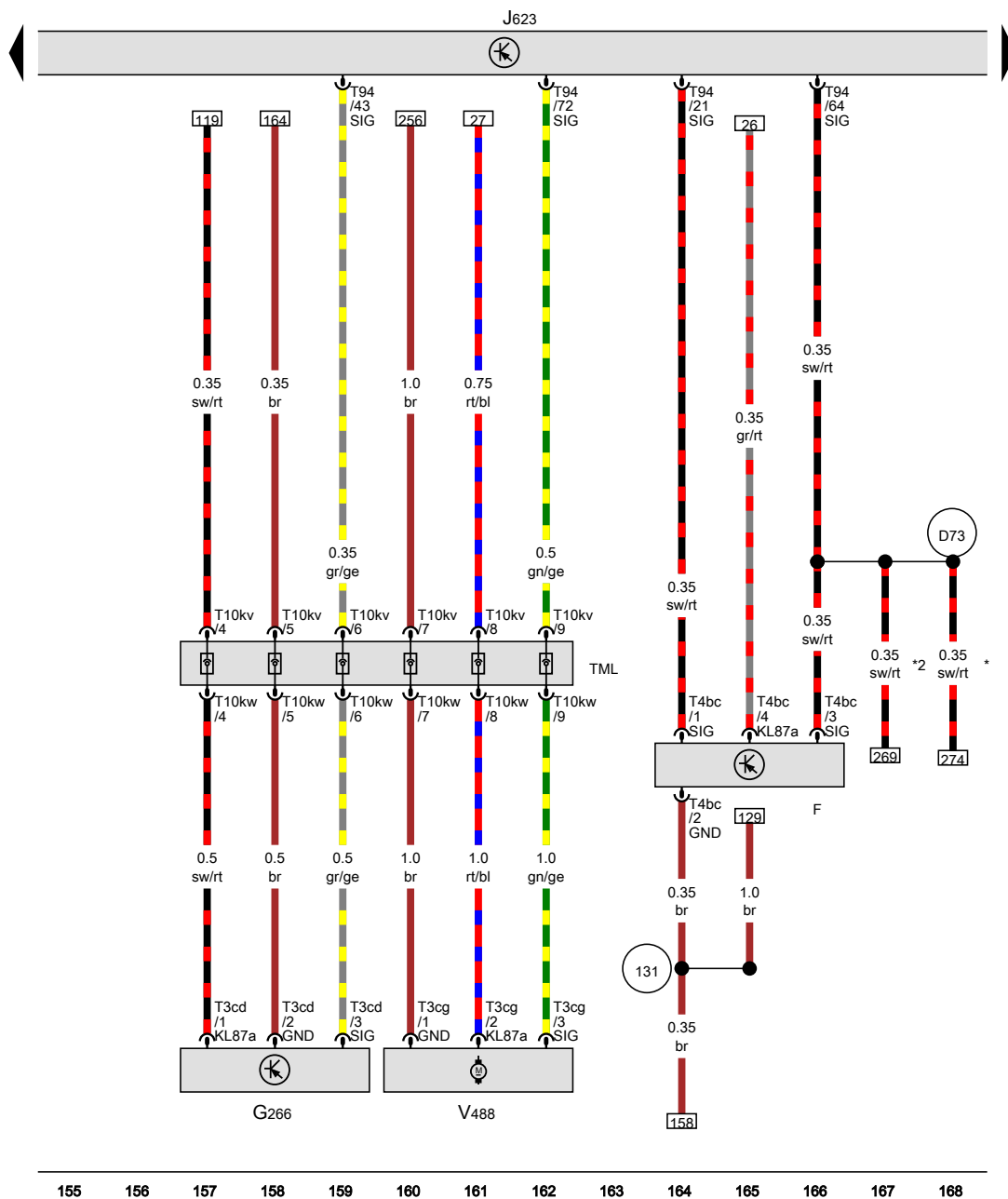
- * Not for models with Euro 6 plus emission standard
- *2 For models with Euro 6 plus emission standard
- *3 Earth supply via housing

- ws = white
- sw = black
- ro = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Charge air temperature sender after charge air cooler,
Engine/motor control unit, Charge pressure control solenoid
valve, Exhaust gas recirculation cooler changeover valve

- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2dg 2-pin connector
- T2dh 2-pin connector, black
- T2di 2-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- * For models with Euro 4 emission standard

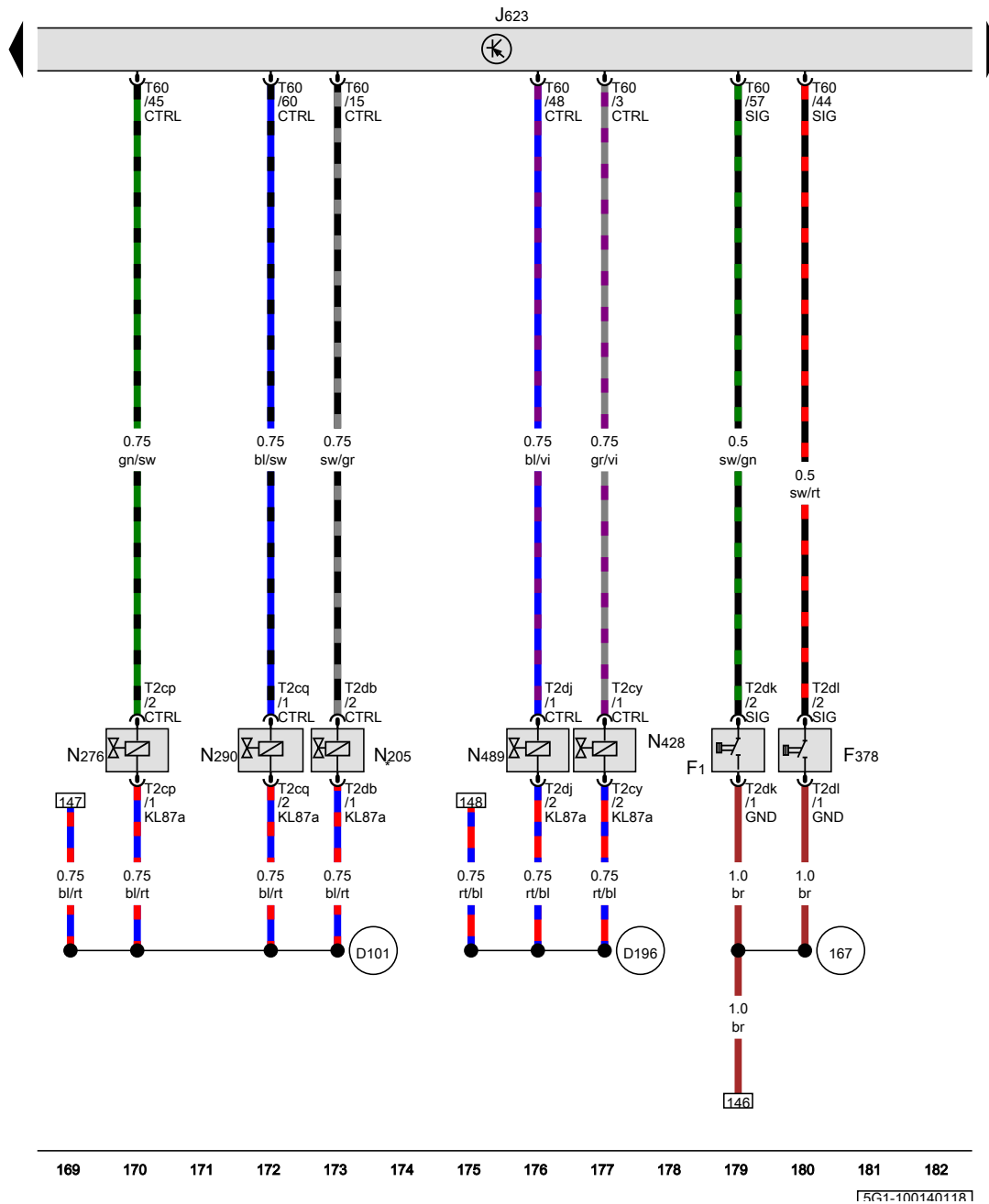




Brake light switch, Oil level and oil temperature sender, Engine/motor control unit, Auxiliary pump for heating

- F Brake light switch
- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- T3cd 3-pin connector
- T3cg 3-pin connector
- T4bc 4-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * Up to November 2017
- *2 From November 2017

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rt = red
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li = purple
vi = purple
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or = orange
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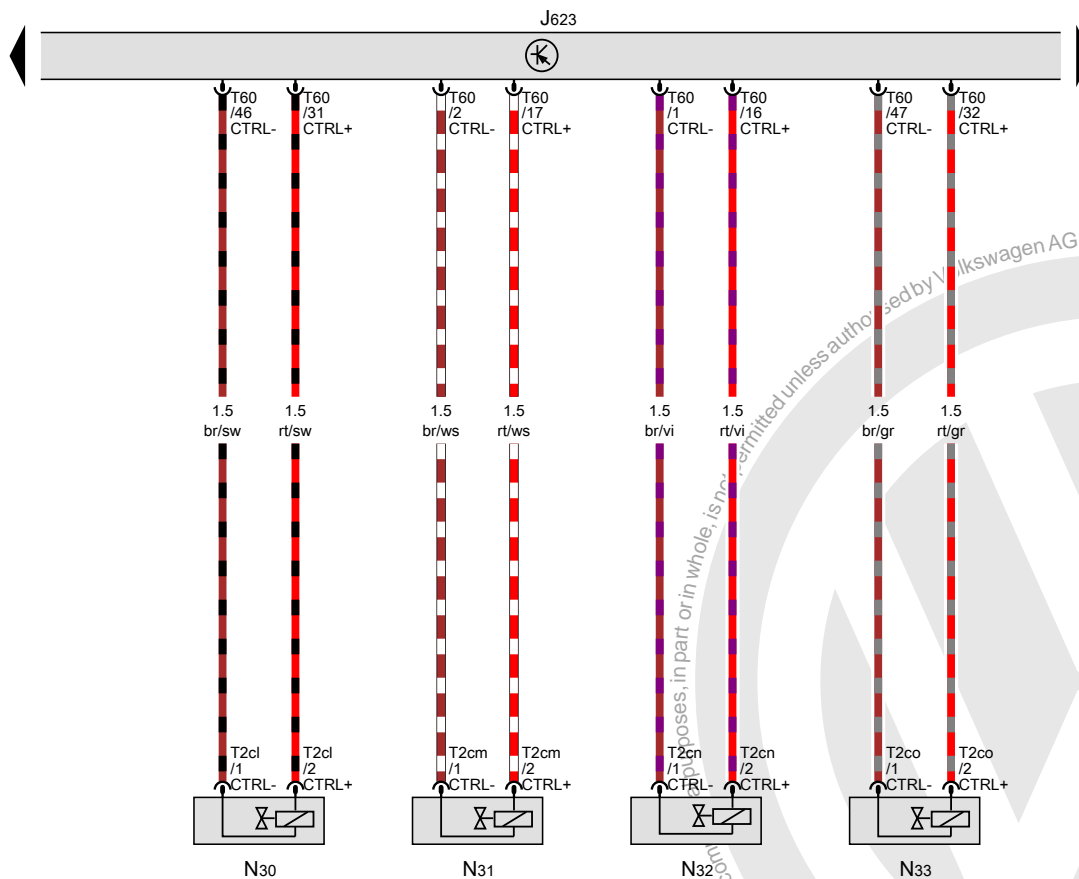


Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2db 2-pin connector
- T2dj 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T60 60-pin connector
- 167 Earth connection 4, in engine compartment wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * For models with Euro 6 plus emission standard

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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
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 rs = pink

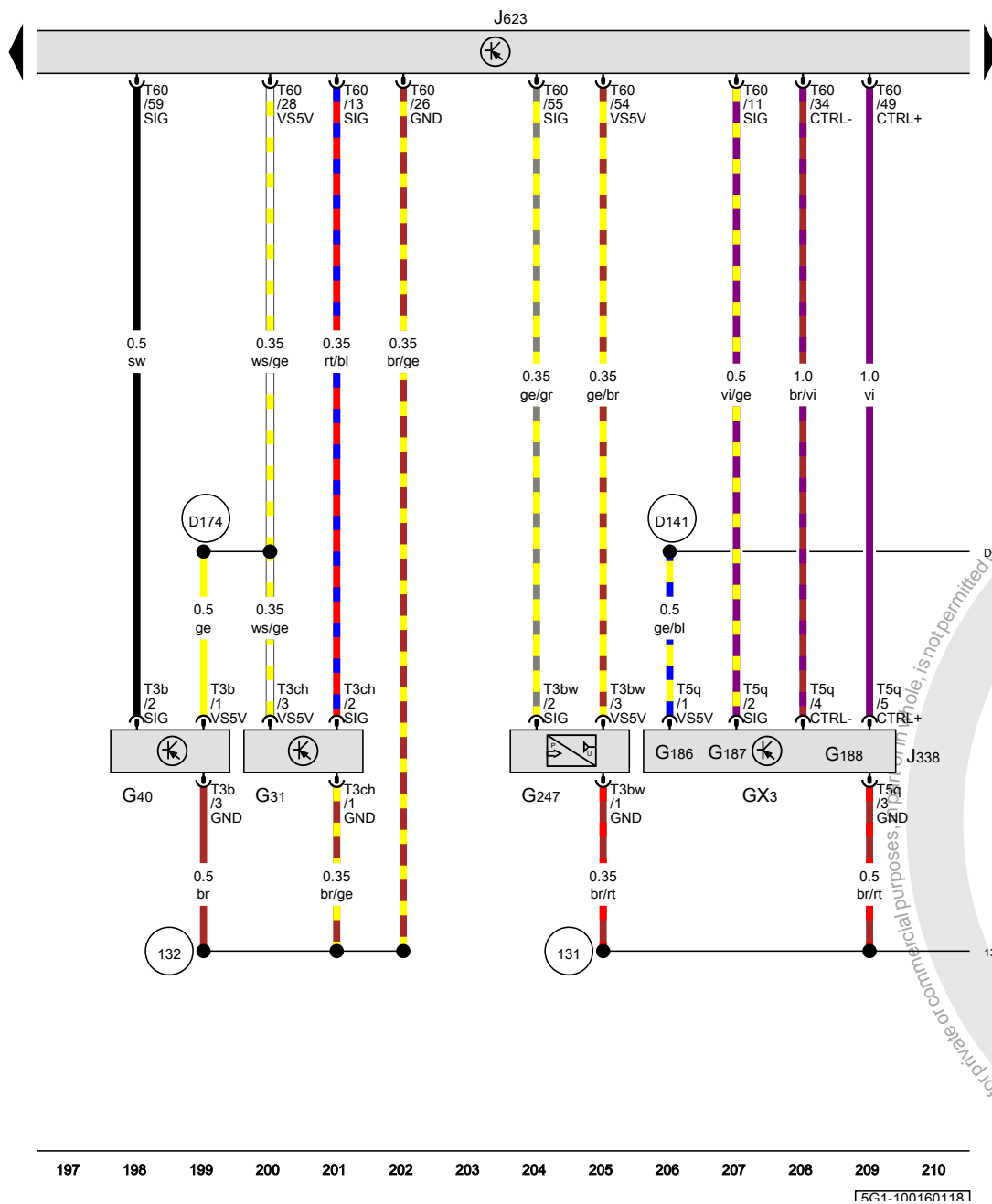
Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T60 60-pin connector

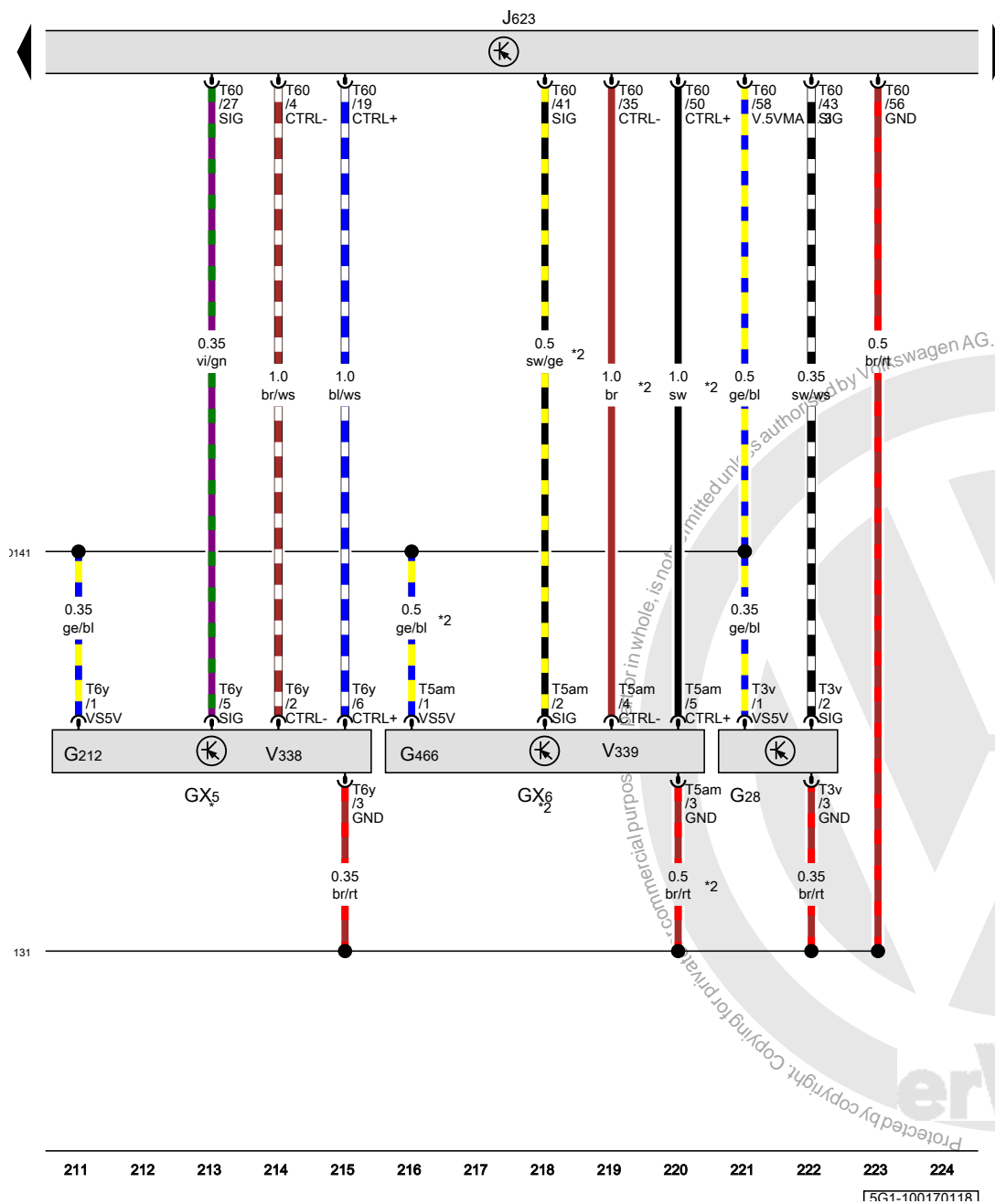
- ws = white
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Charge pressure sender, Hall sender, Fuel pressure sender, Engine/motor control unit



- GX3 Throttle valve module
- G31 Charge pressure sender
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3ch 3-pin connector, black
- T5q 5-pin connector
- T60 60-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * According to equipment



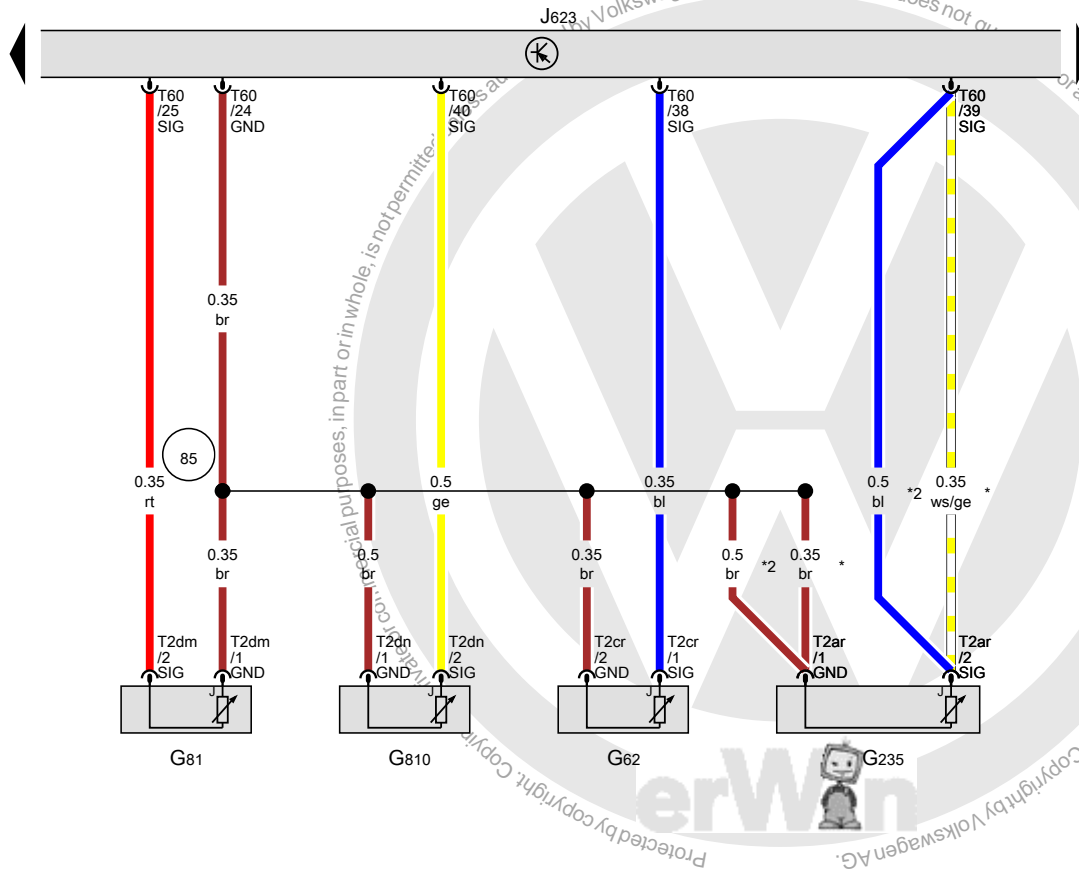
Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T3v 3-pin connector
- T5am 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

131 Earth connection 2, in engine compartment wiring harness

D141 Connection (5V) in engine prewiring harness

- * According to equipment
- *2 Not for models with Euro 4 emission standard
- *3 Cross section depends on equipment



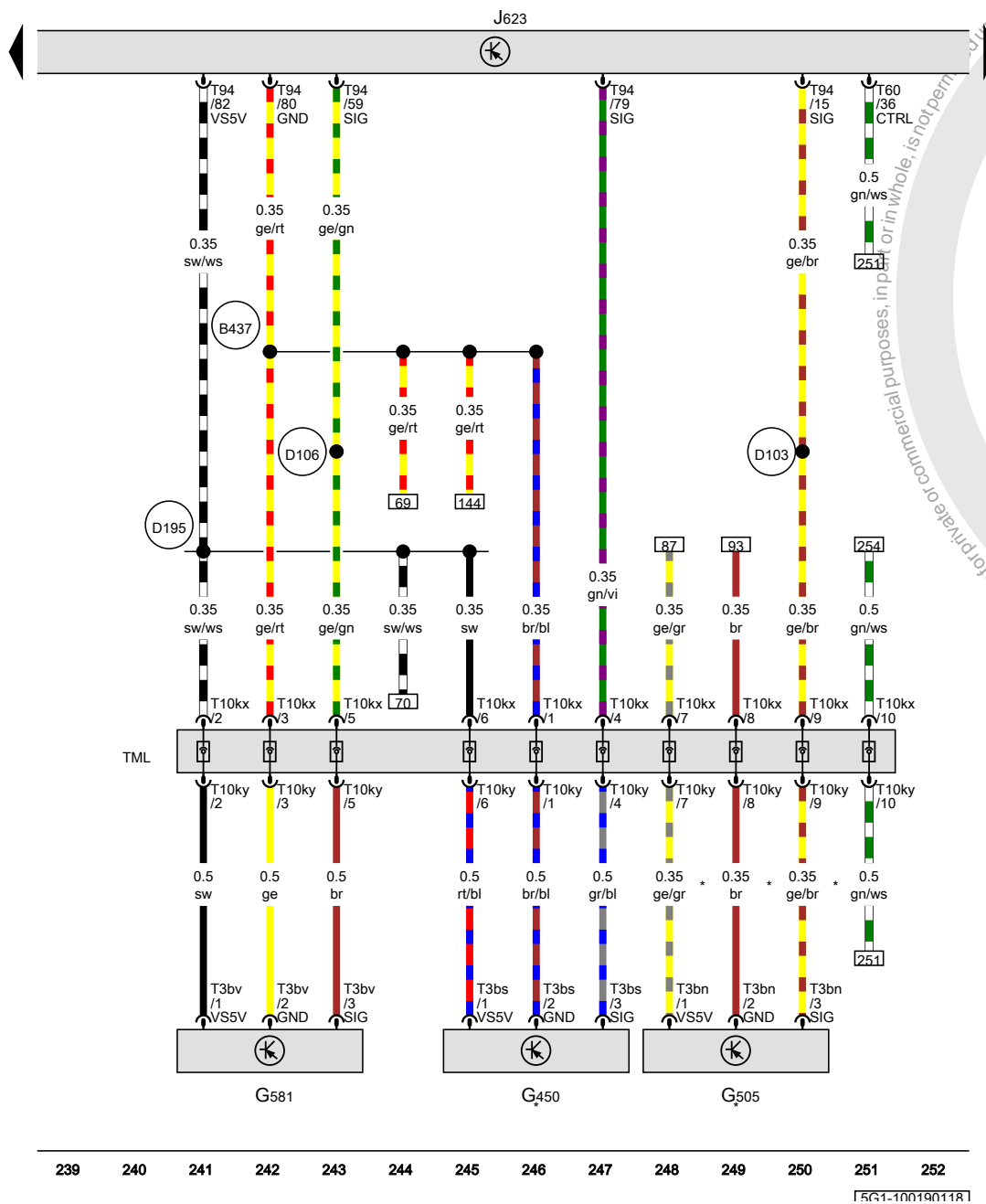
Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine/motor control unit

- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine/motor control unit
- T2ar 2-pin connector
- T2cr 2-pin connector
- T2dm 2-pin connector
- T2dn 2-pin connector
- T60 60-pin connector

85 Earth connection 1, in engine compartment wiring harness

- * For models with Euro 4 emission standard
- *2 Not for models with Euro 4 emission standard

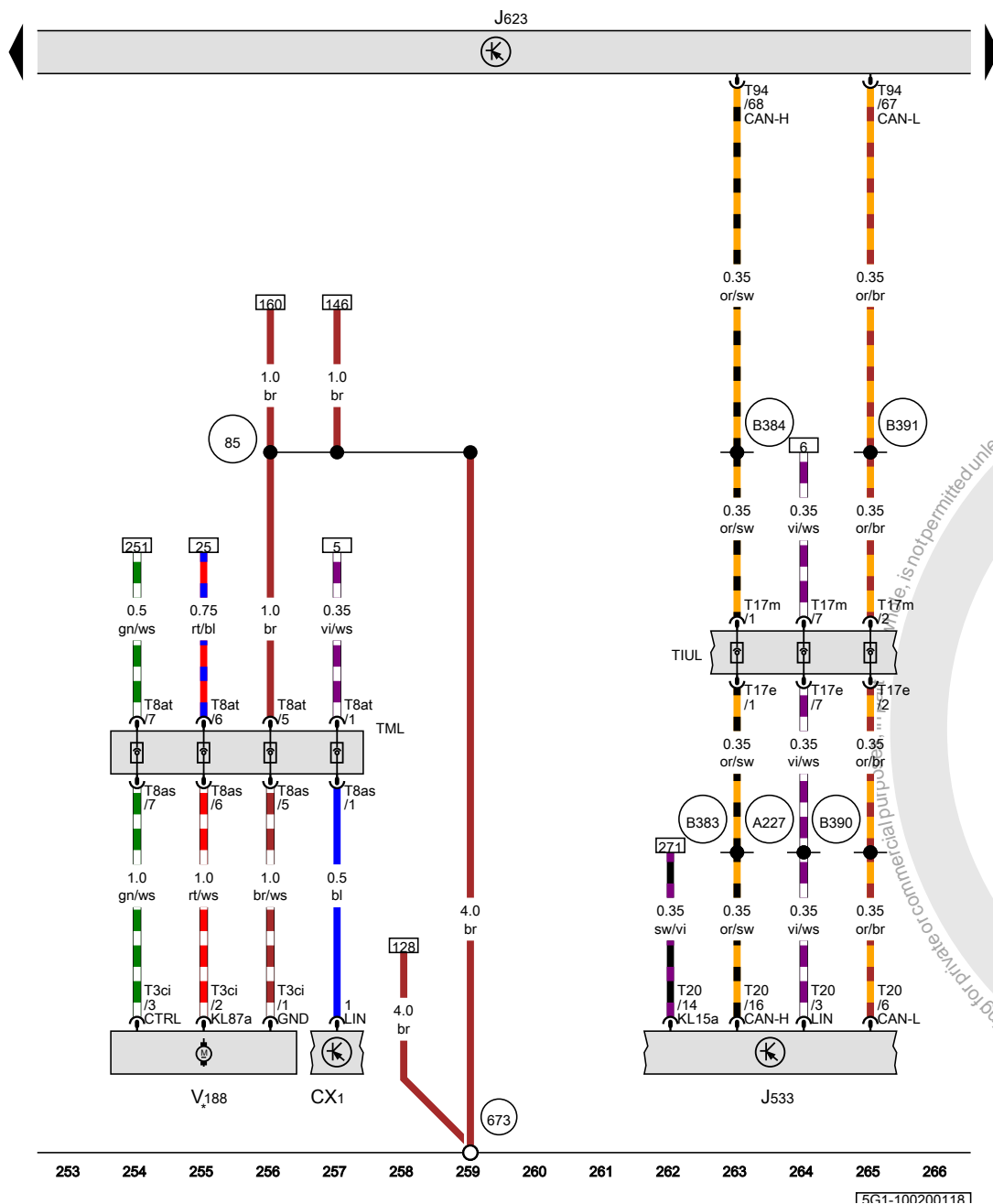
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Exhaust gas pressure sensor 1, Pressure differential sender, Position sender for charge pressure positioner, Engine/motor control unit

- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3bn 3-pin connector
- T3bs 3-pin connector
- T3bv 3-pin connector, black
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Not for models with Euro 4 emission standard

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
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 vi = purple
 ge = yellow
 or = orange
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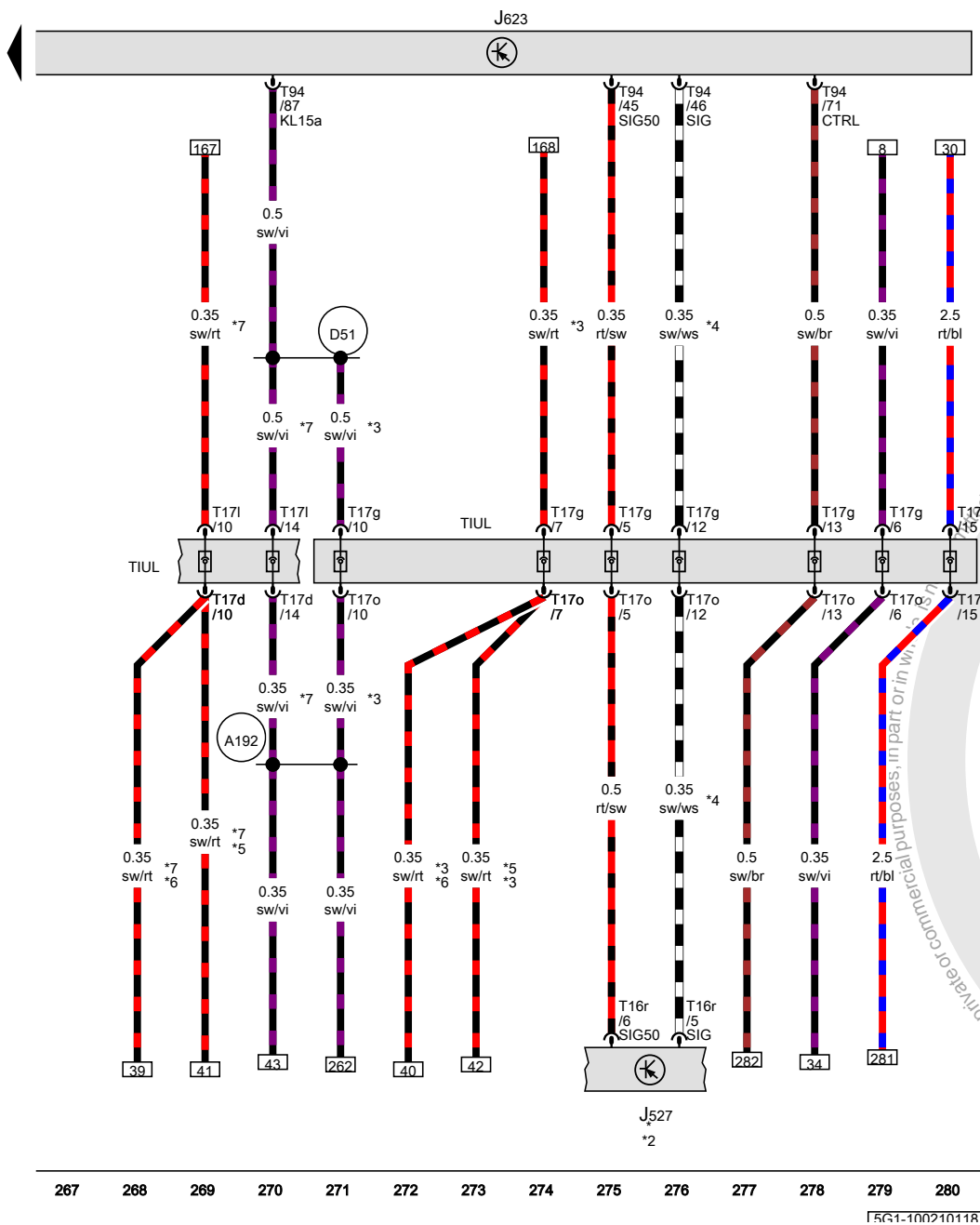


Alternator with voltage regulator, Data bus diagnostic interface, Engine/motor control unit, Charge air cooling pump

- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T3ci 3-pin connector
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, black
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump
- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

ws = white
sw = black
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rt = red
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bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Steering column electronics control unit, Engine/motor control unit



- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 For models with no trailer socket
- *6 For models with trailer socket
- *7 From November 2017

- ws = white
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- rt = red
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- bl = blue
- gr = grey
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- or = orange
- rs = pink



Copyright by Volkswagen AG.

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector
- T3d 3-pin connector
- T4db 4-pin connector
- T6cg 6-pin connector
- T18 18-pin connector

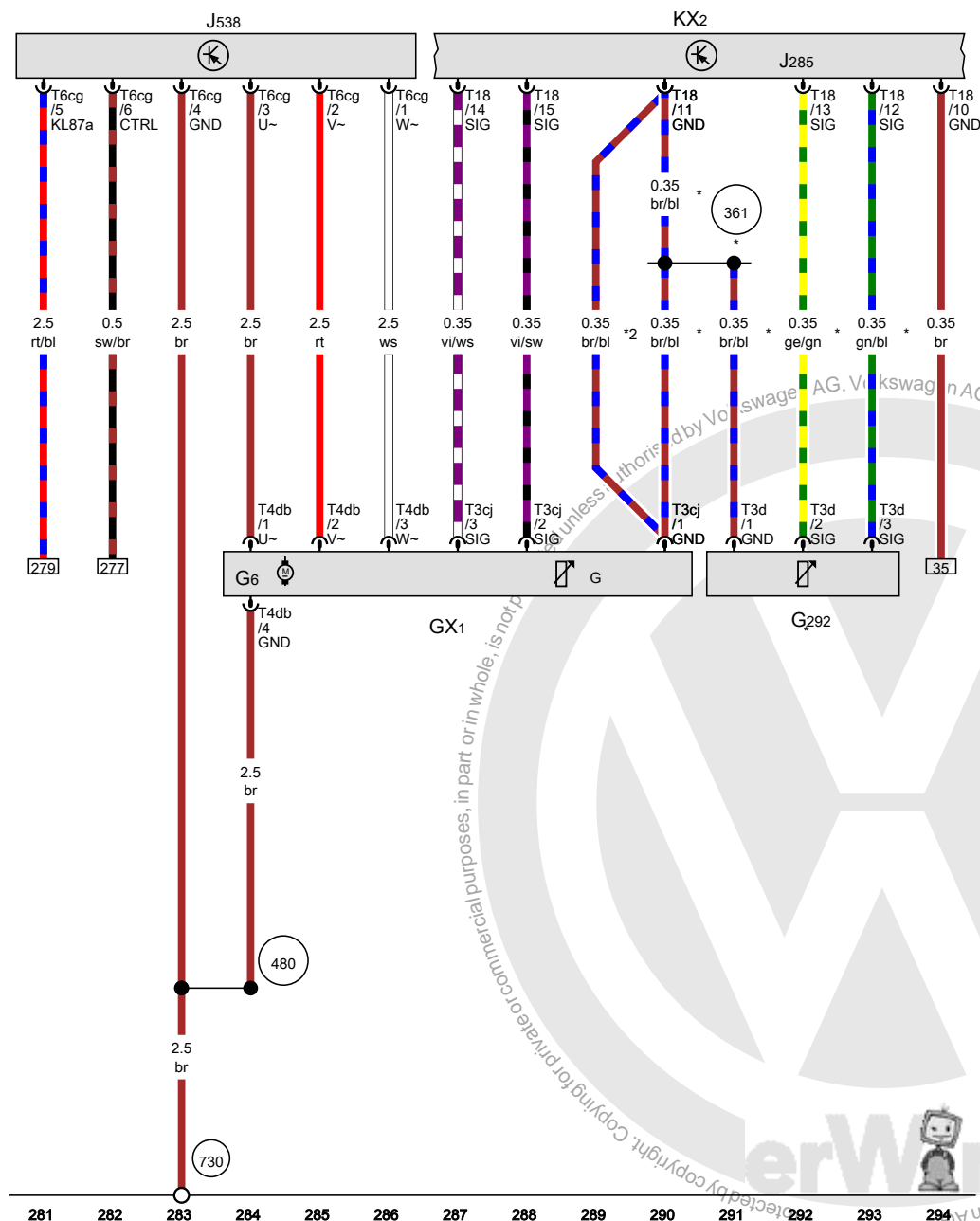
361 Earth connection (fuel gauge sender), in main wiring harness

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

* For models with all-wheel drive

*2 For models with no all-wheel drive

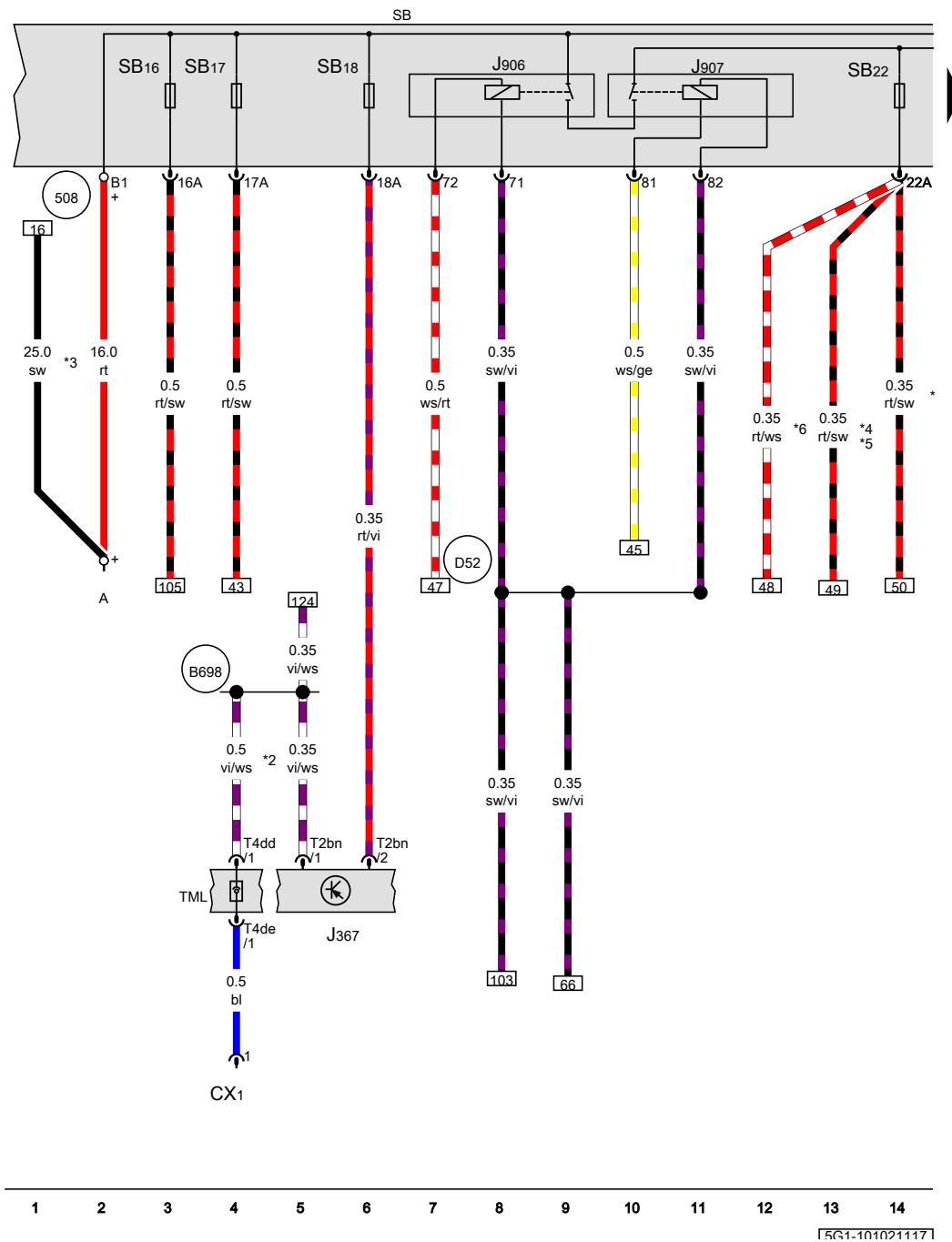


- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.4l petrol engine , CPWA

From November 2015



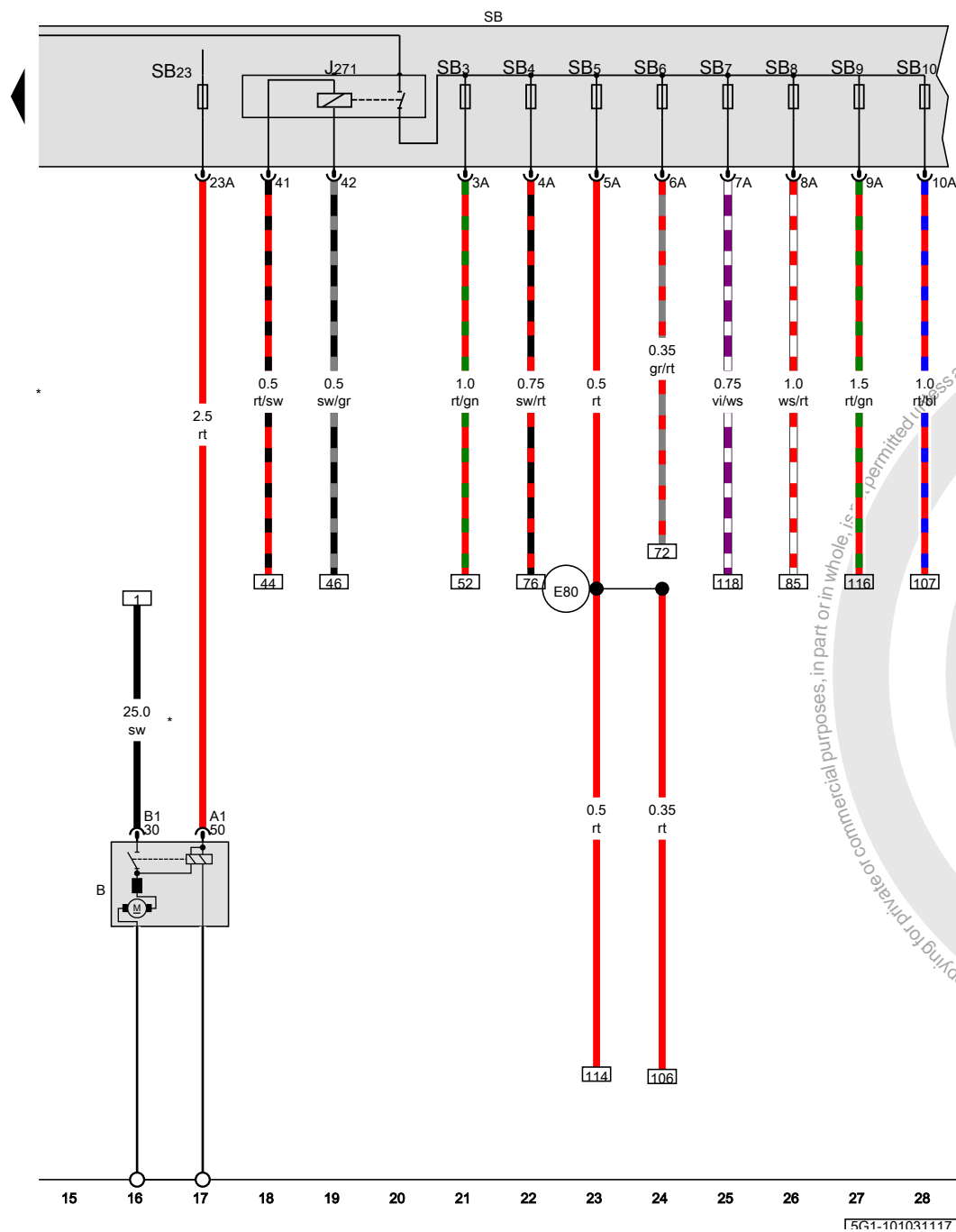


Battery, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Up to May 2016
- *2 Cross section depends on equipment
- *3 Cross-section 35.0 possible
- *4 From May 2016
- *5 Up to November 2016
- *6 From November 2016

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

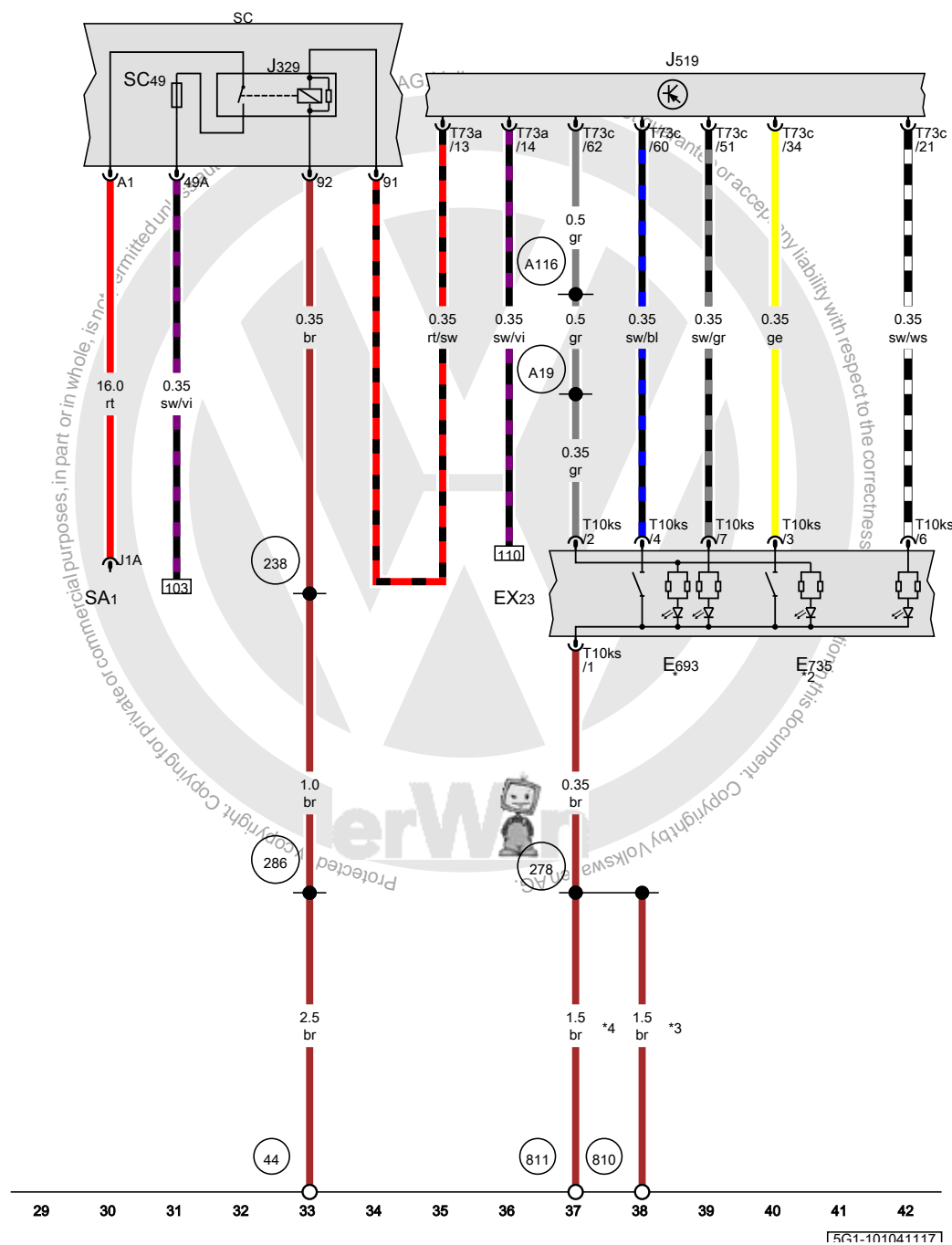


Starter, Main relay, Fuse holder B

- B Starter
- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- E80 Connection 4 (87a) in engine wiring harness

* Cross-section 35.0 possible

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



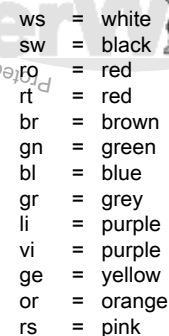
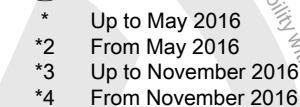
Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

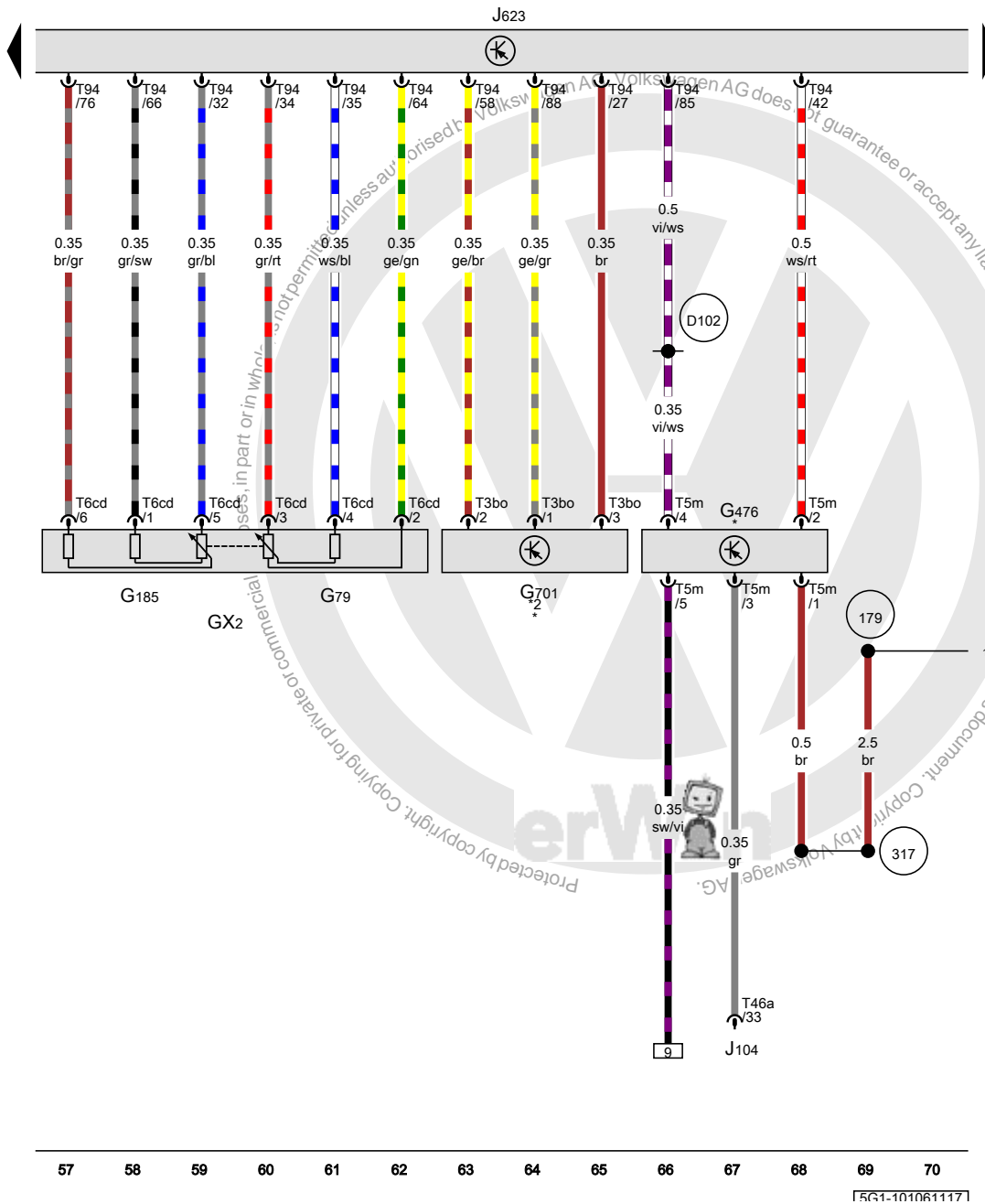
- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink





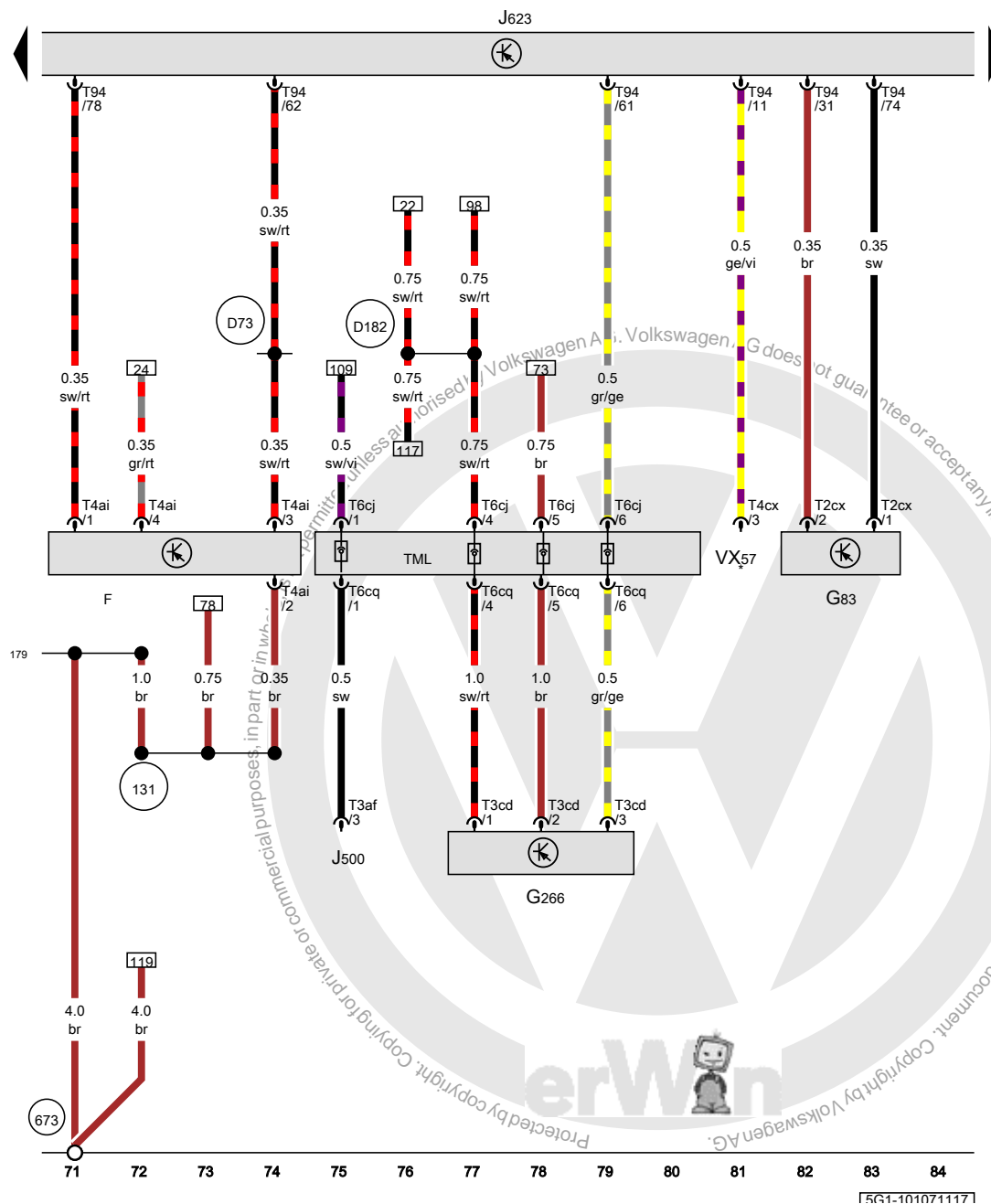
Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with start/stop system

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

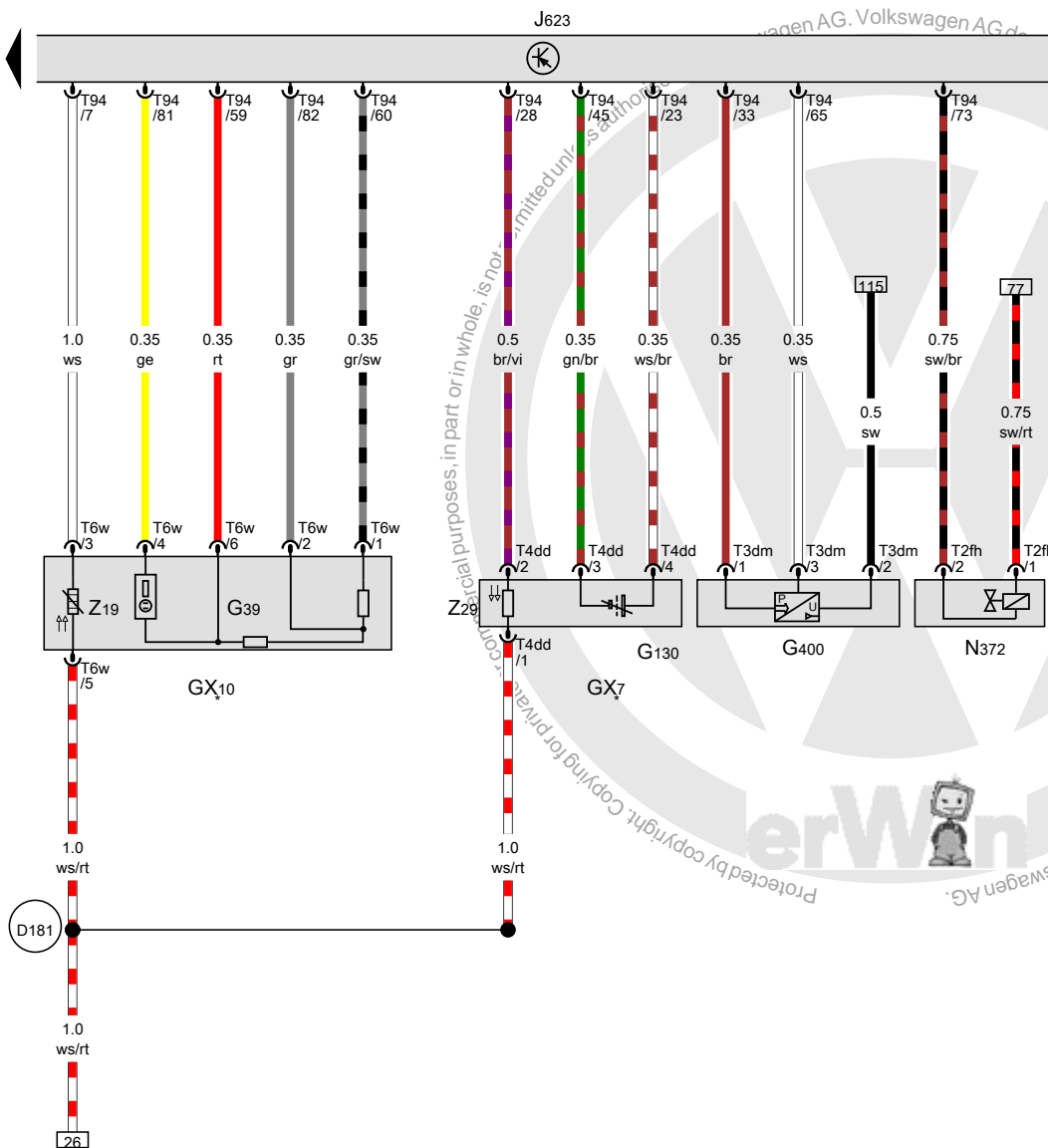


Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component

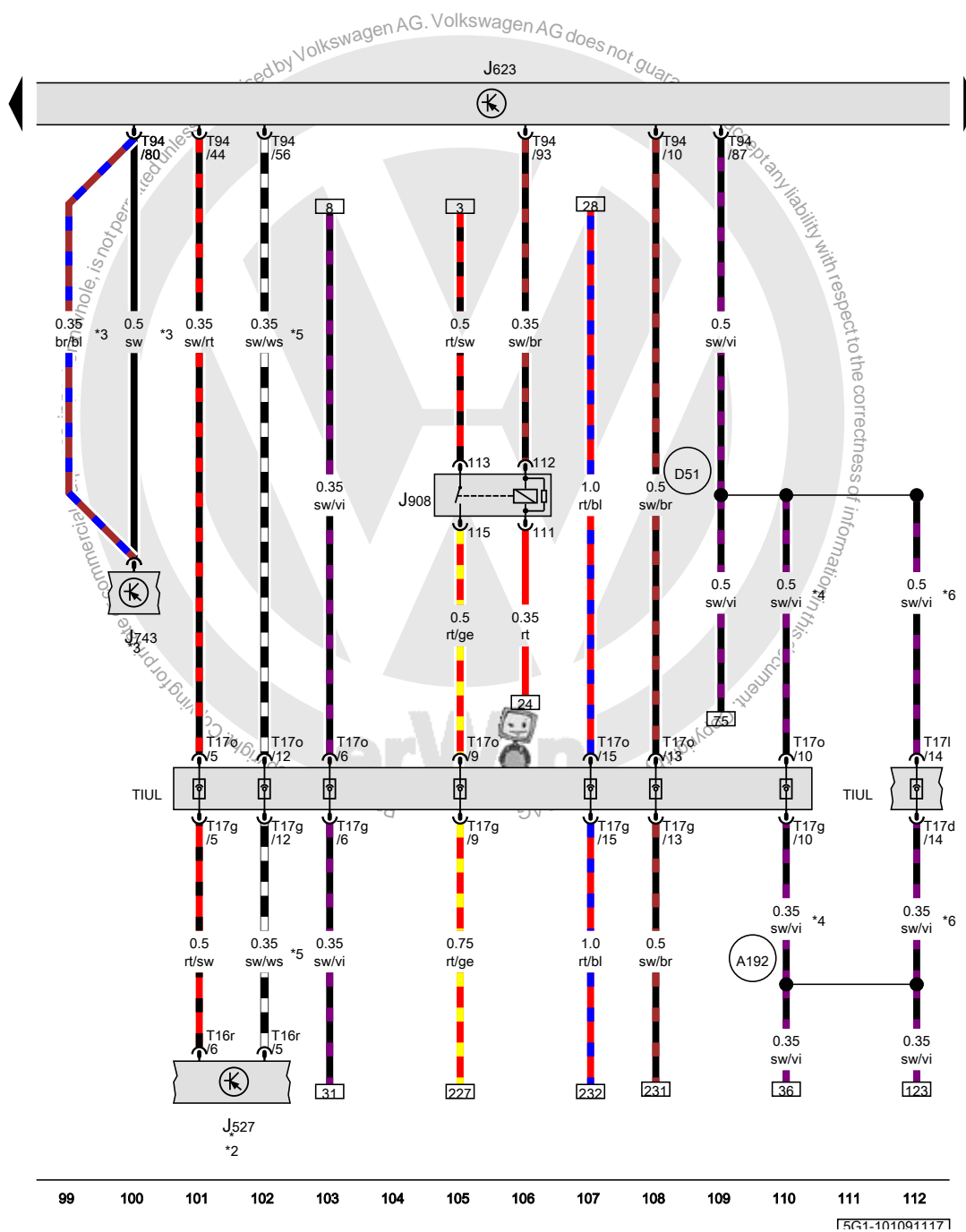
- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Tank pressure sensor, Engine/motor control unit, High-pressure valve for gas mode

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G400 Tank pressure sensor
- J623 Engine/motor control unit
- N372 High-pressure valve for gas mode
- T2fh 2-pin connector
- T3dm 3-pin connector
- T4dd 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D181 Connection 2 (87a), in engine compartment wiring harness
- * Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

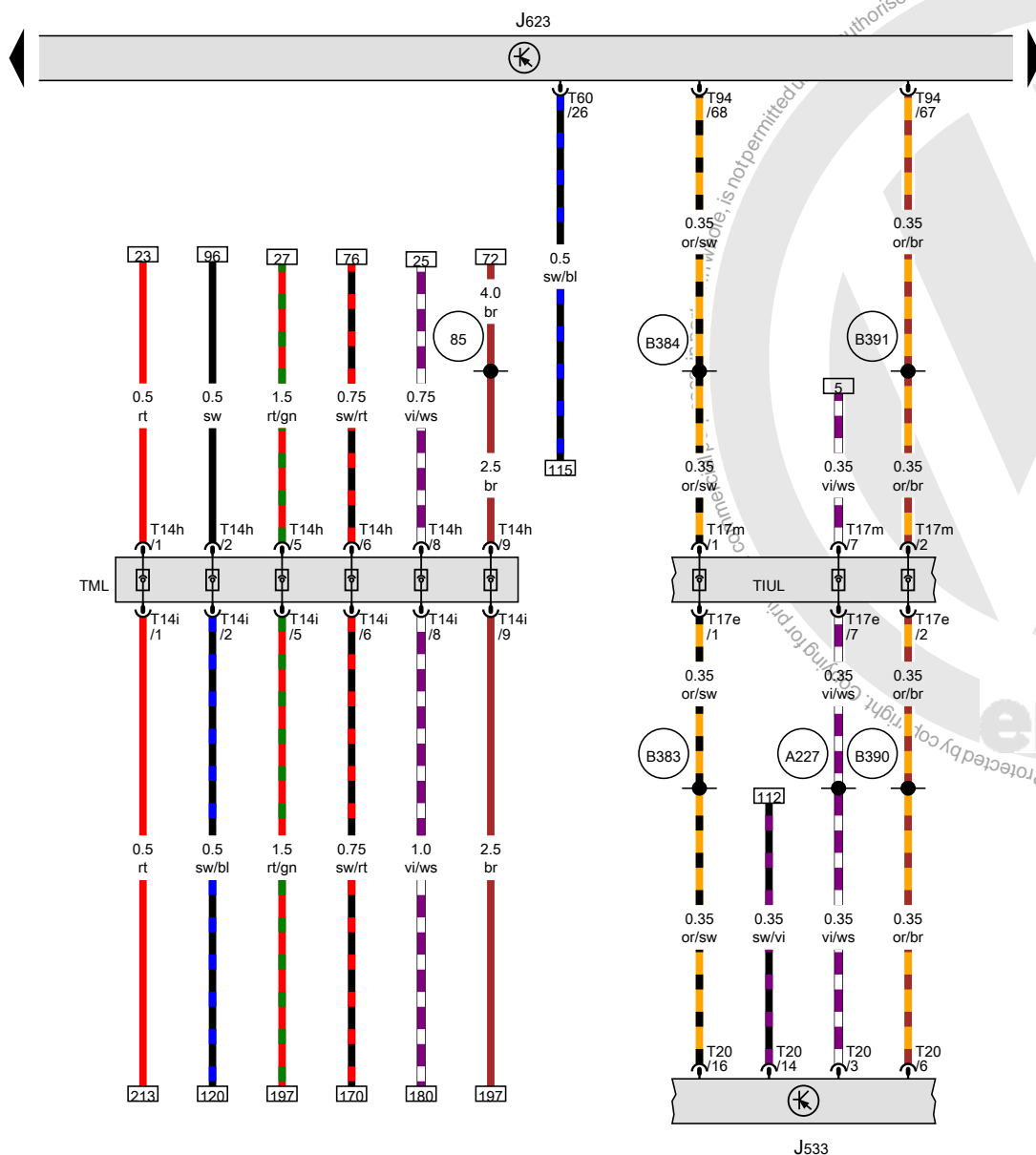


Steering column electronics control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Relay for gas shut-off valves

- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J908 Relay for gas shut-off valves
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- (A192) Positive connection 3 (15a) in dash panel wiring harness
- (D51) Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 see applicable current flow diagram for dual clutch gearbox
- *4 Up to November 2017
- *5 For models with cruise control system (CCS)
- *6 From November 2017

ws = white
 ro = black
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

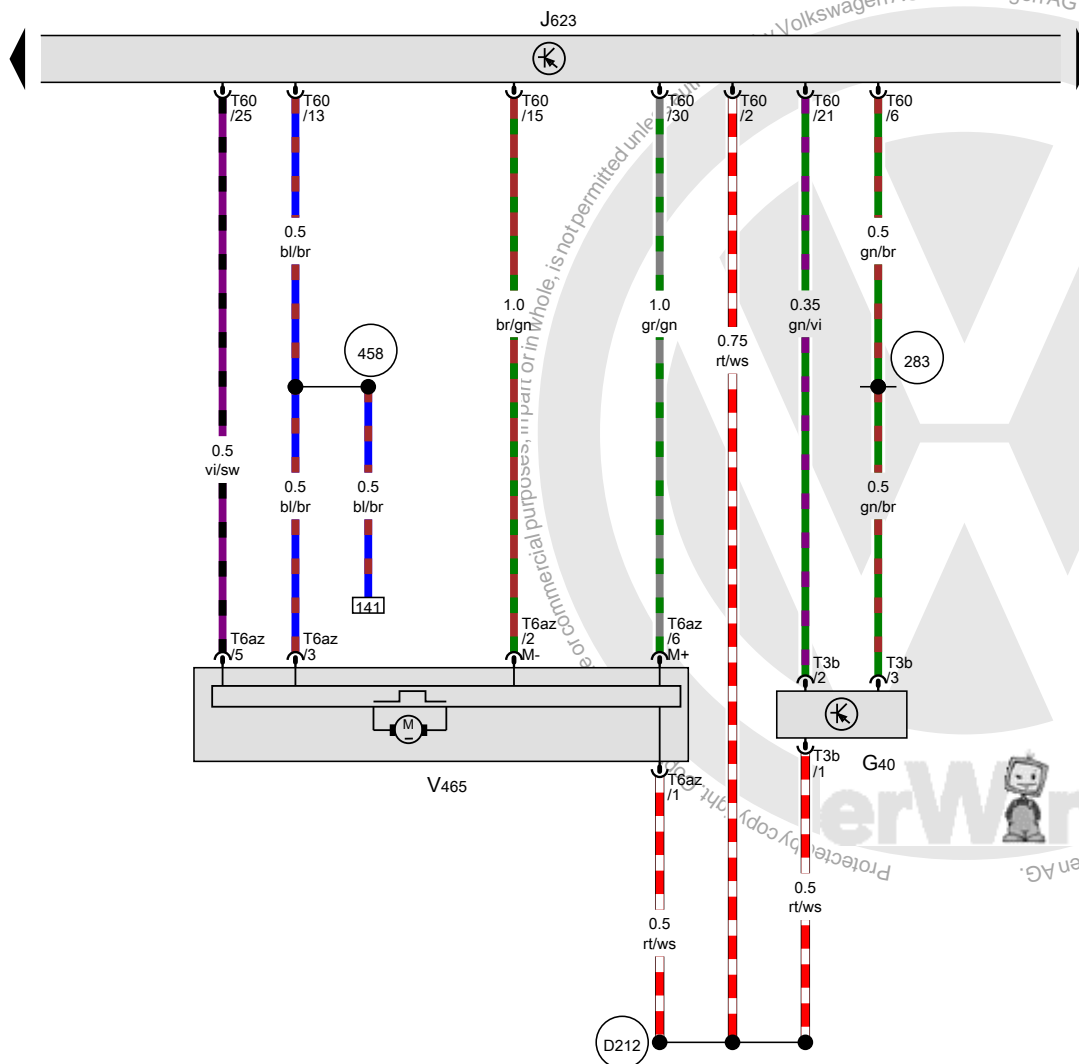
Data bus diagnostic interface, Engine/motor control unit



- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T60 60-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

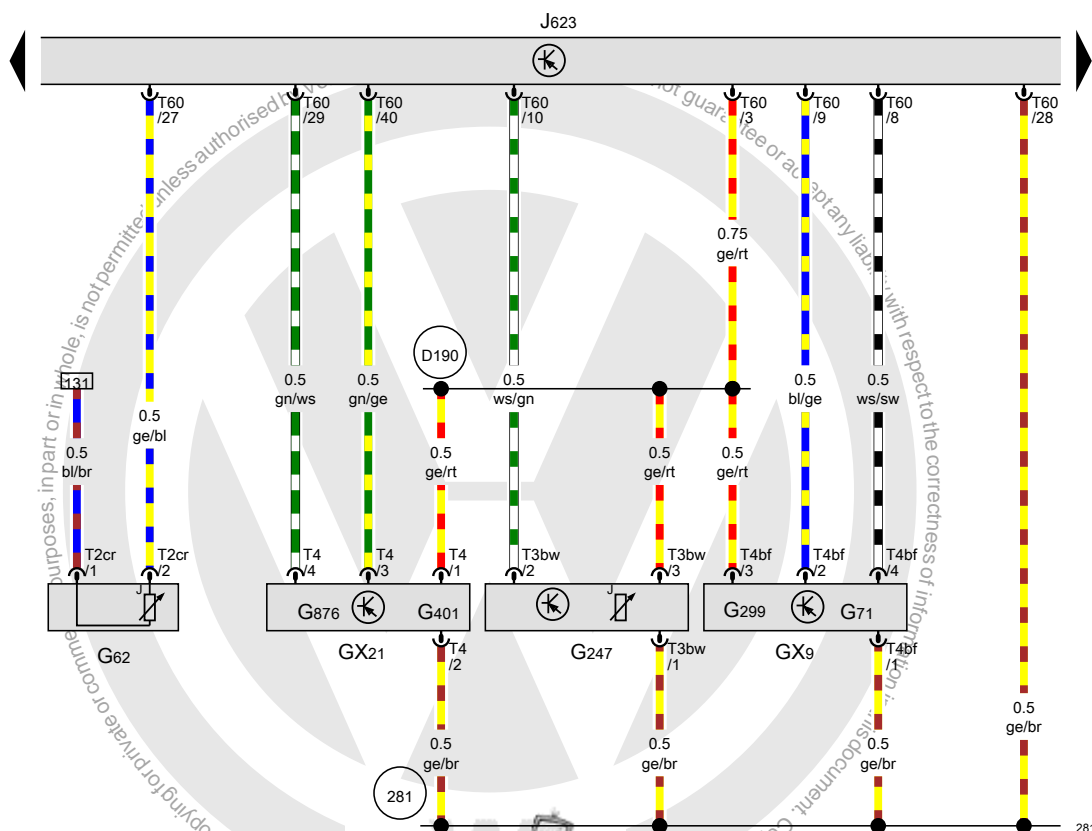
113 114 115 116 117 118 119 120 121 122 123 124 125 126

[561-101101117]



Hall sender, Engine/motor control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine/motor control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness



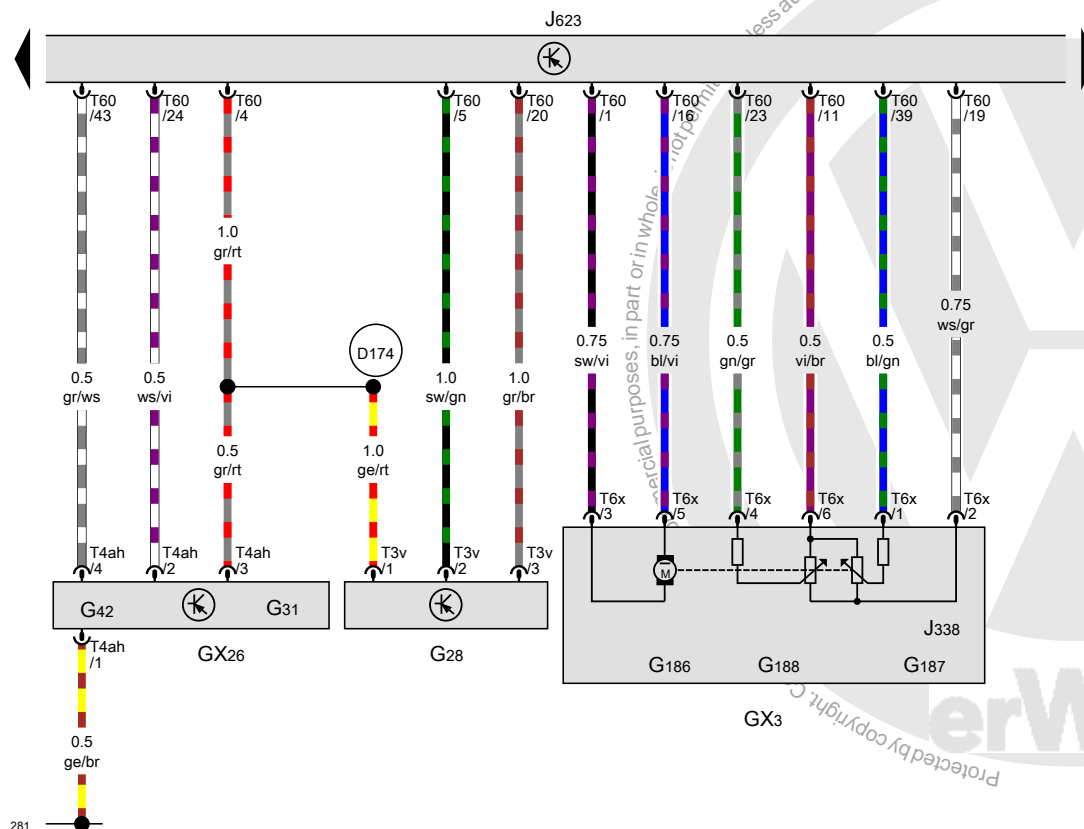
Intake manifold sender, Gas rail temperature and pressure sensor, Coolant temperature sender, Fuel pressure sender, Engine/motor control unit

- GX9 Intake manifold sender
- GX21 Gas rail temperature and pressure sensor
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G401 Gas rail sensor
- G876 Temperature sender for alternative fuel system
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3bw 3-pin connector
- T4 4-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



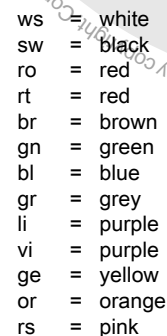
Throttle valve module, Charge pressure sender, Engine speed sender, Engine/motor control unit

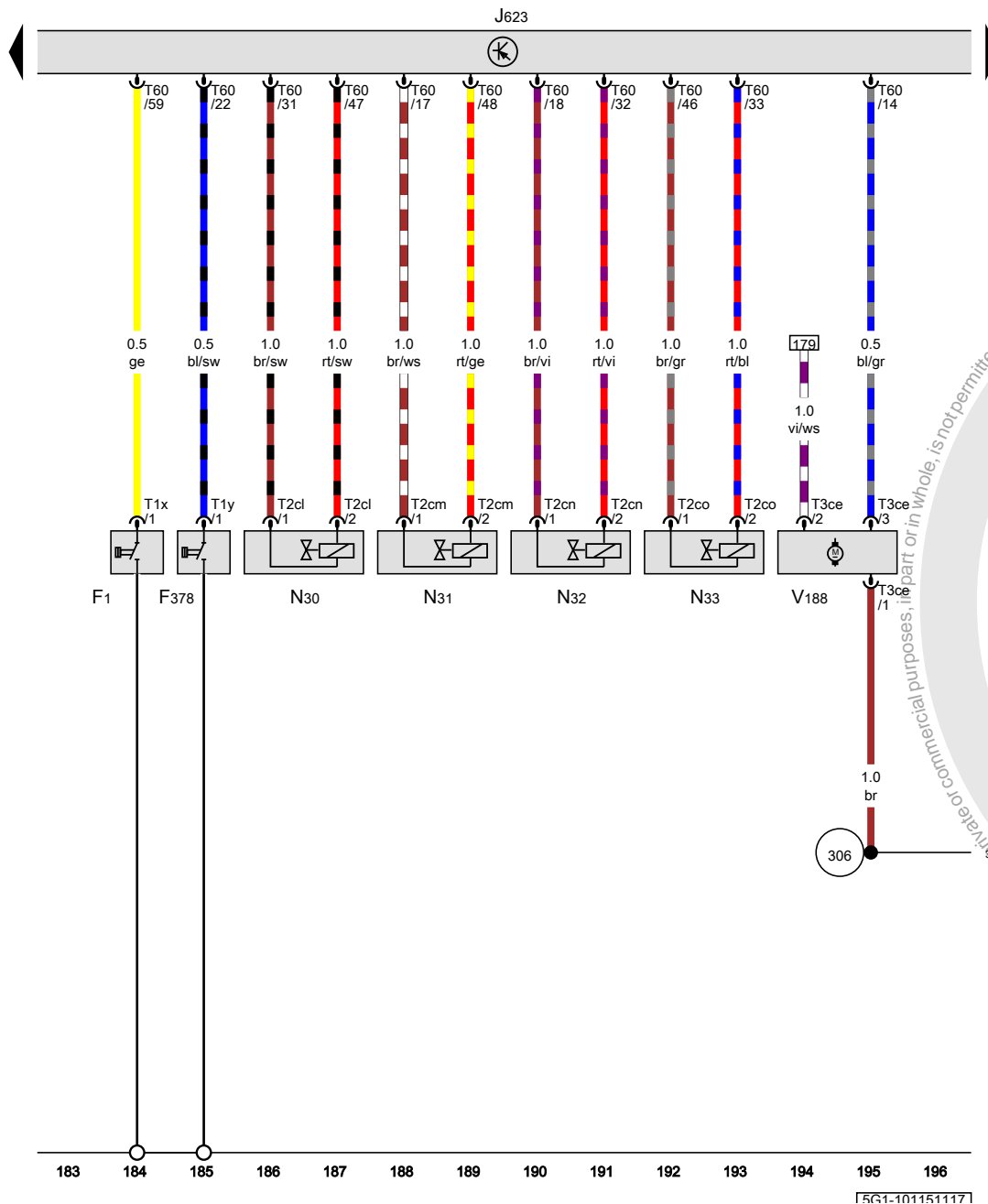
- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

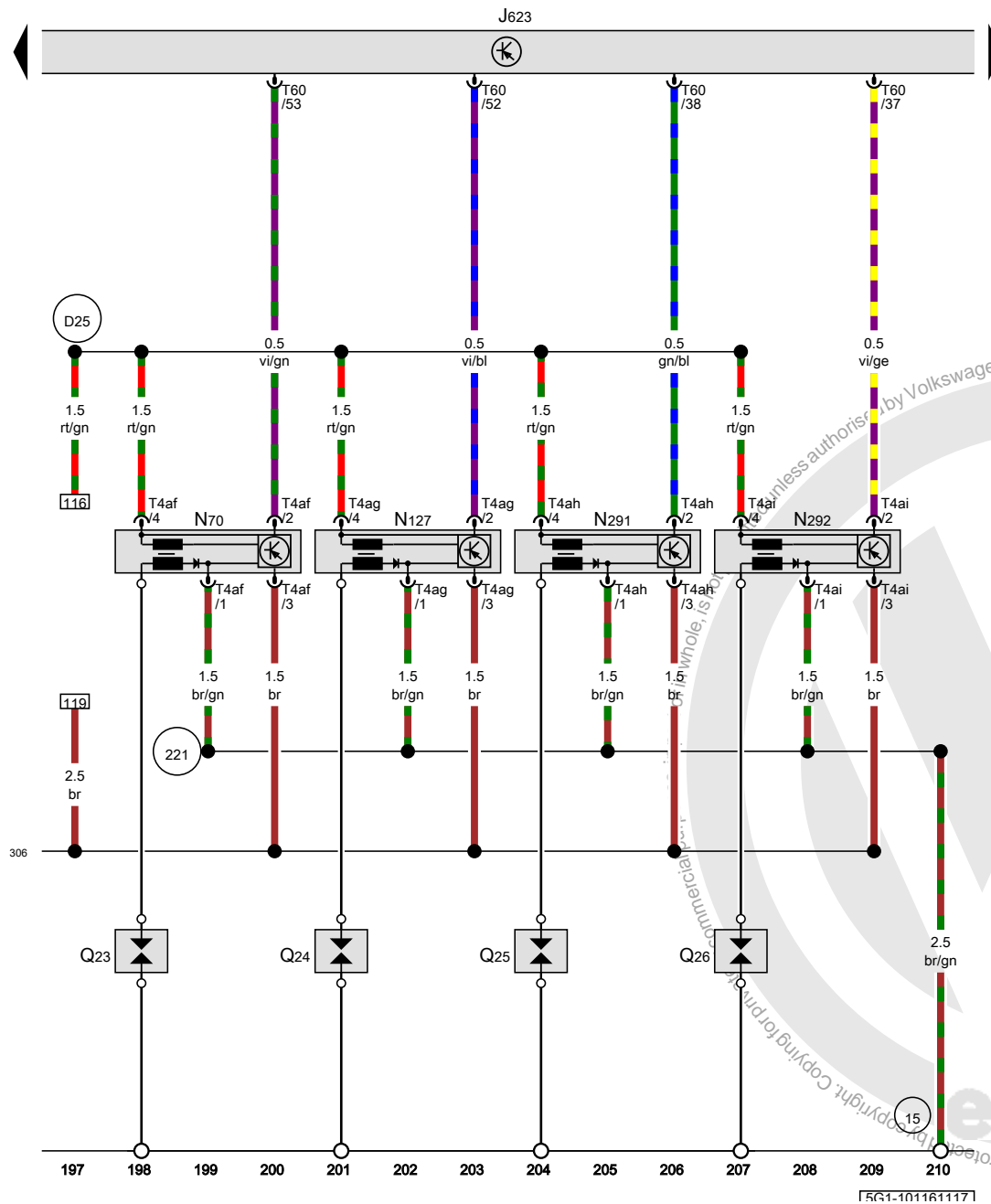




Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x 1-pin connector
- T1y 1-pin connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

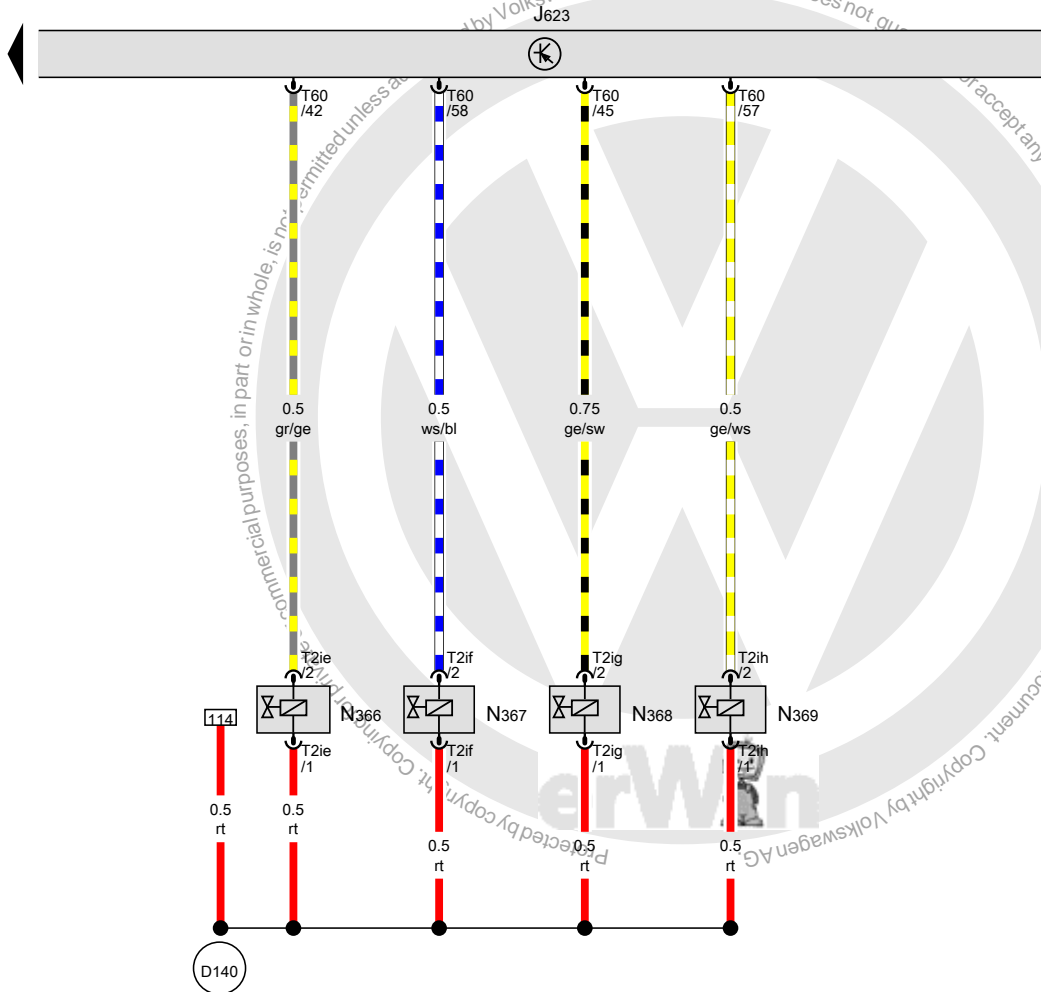


Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness

- ws = white
- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4

- J623 Engine/motor control unit
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- T2ie 2-pin connector
- T2if 2-pin connector
- T2ig 2-pin connector
- T2ih 2-pin connector
- T60 60-pin connector
- D140 Connection (injectors), in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

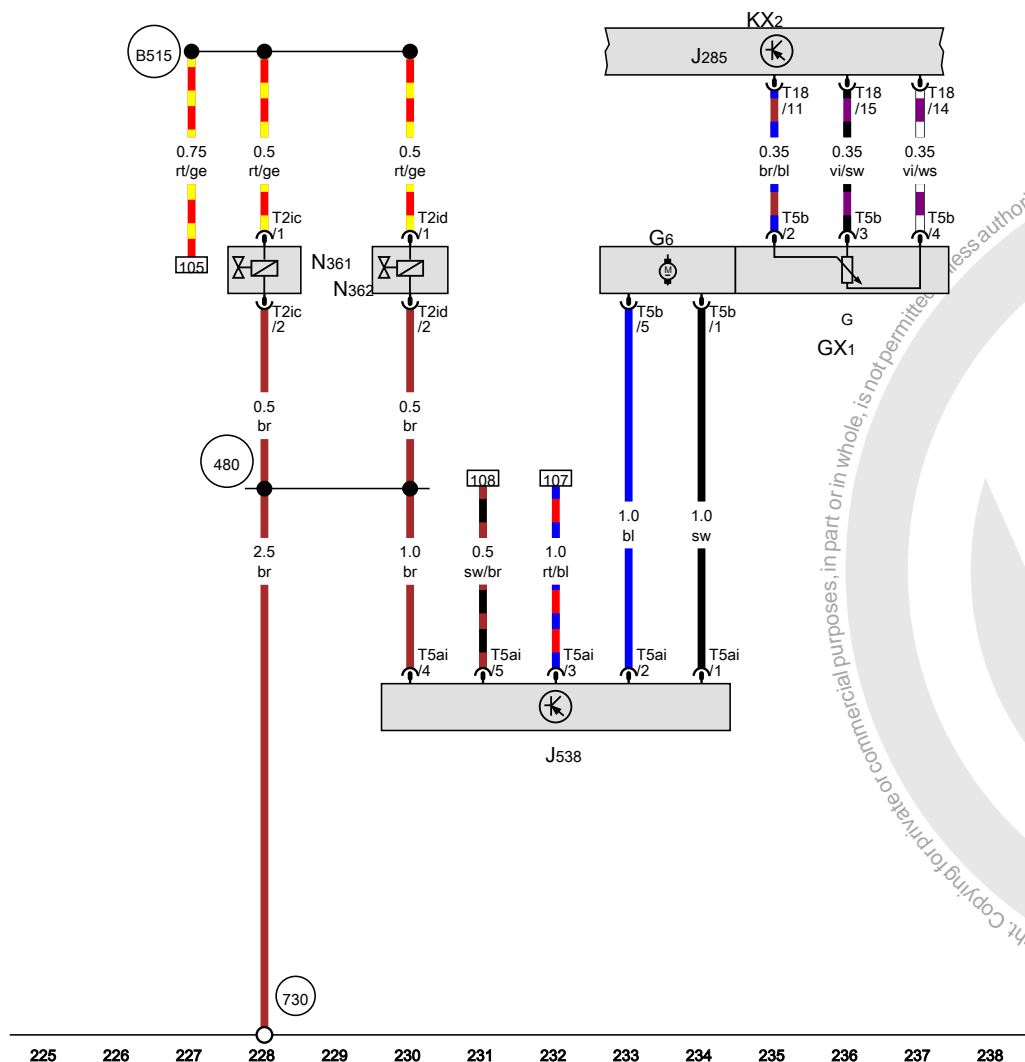
Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert, Fuel tank shut-off valve 1, Fuel tank shut-off valve 2

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- T2ic 2-pin connector
- T2id 2-pin connector
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

B515 Positive connection 4 (87), in interior wiring harness



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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.4l petrol engine , CUKB

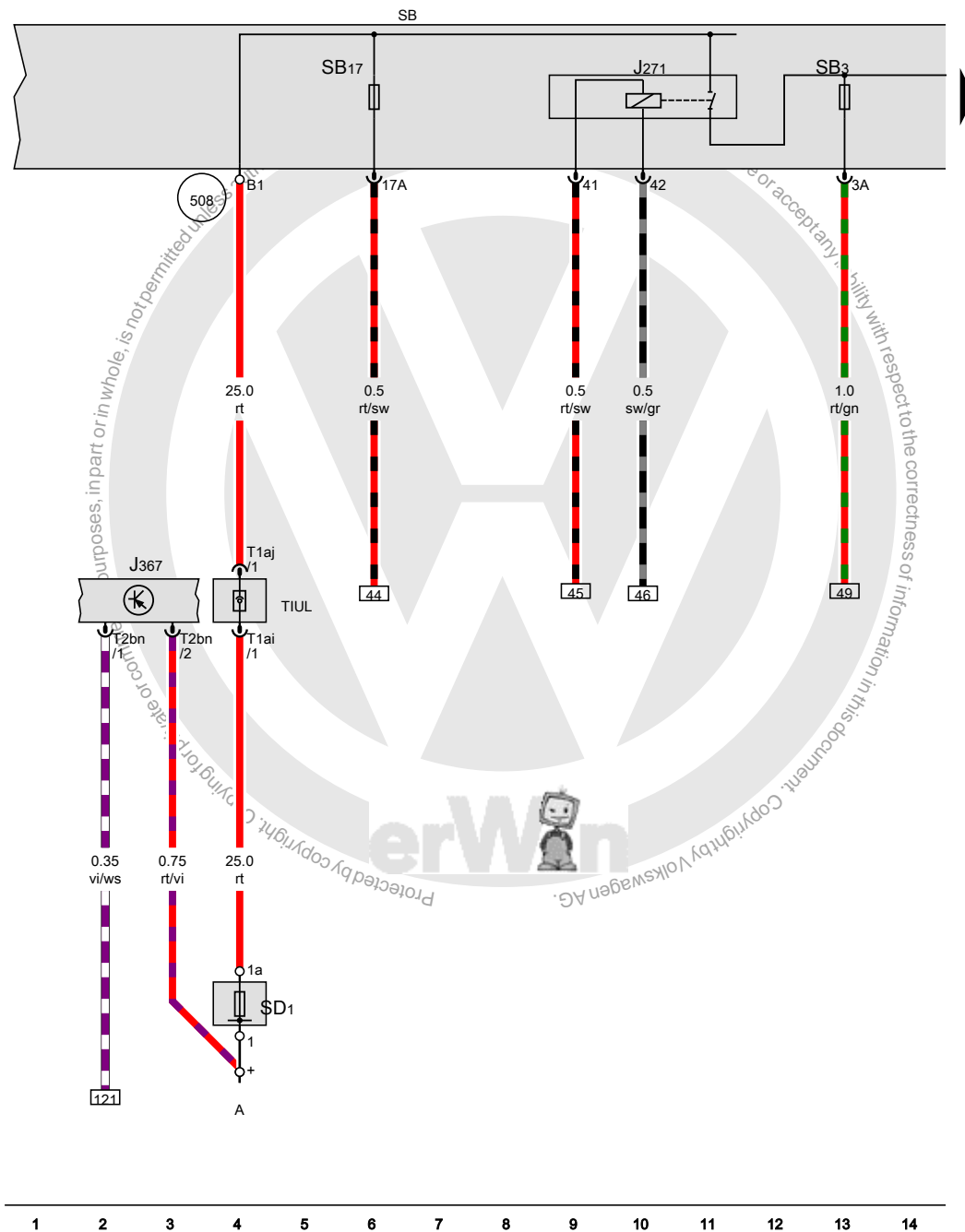
From November 2015



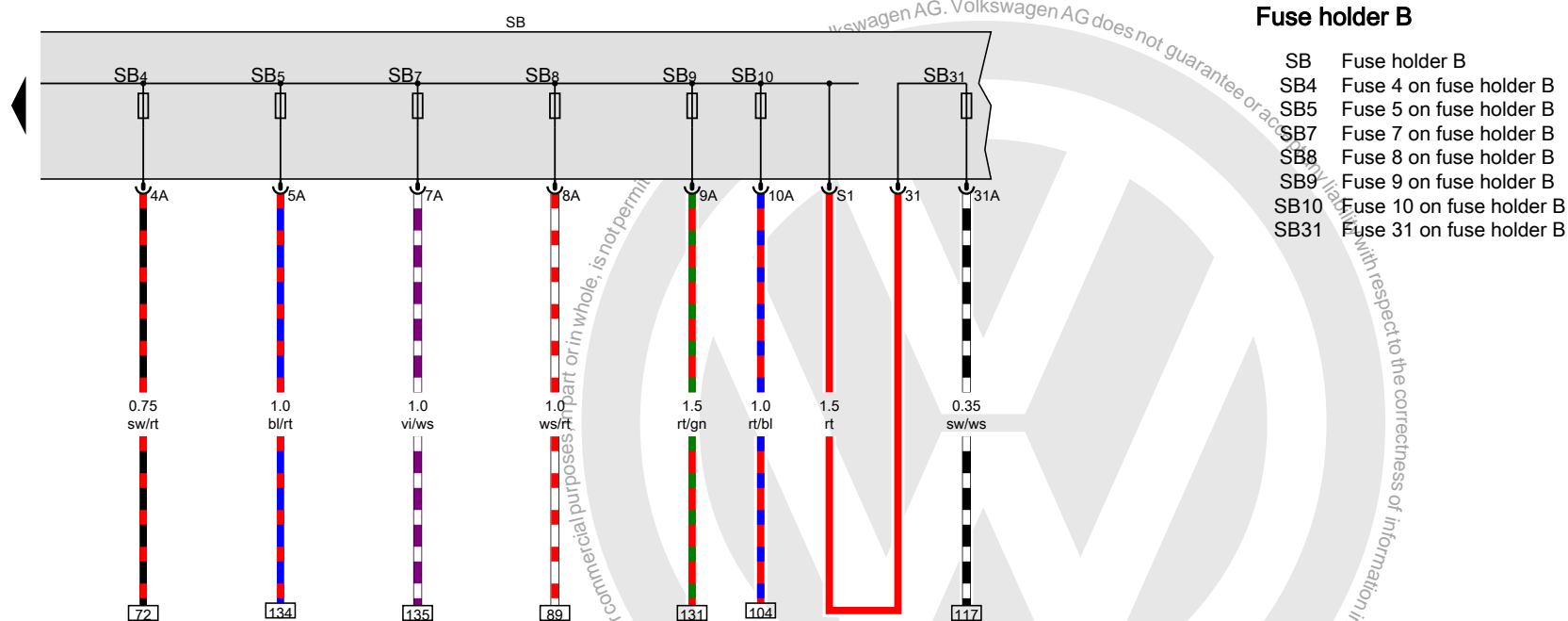
Battery, Main relay, Battery monitor control unit, Fuse holder B

- A Battery, in luggage compartment, under floor panel
- J271 Main relay
- J367 Battery monitor control unit
- SB Fuse holder B
- SD1 Fuse 1 on fuse holder D
- SB3 Fuse 3 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- T1ai 1-pin connector
- T1aj 1-pin connector
- T2bn 2-pin connector
- TIUL Coupling point in interior, below left

508 Threaded connection (30) on E-box



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- gn = green
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



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 vi = purple
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Switch module 1 in centre console, Driving program button, Driving mode selection button, Onboard supply control unit

EX23 Switch module 1 in centre console
E598 Driving program button
E735 Driving mode selection button
J519 Onboard supply control unit
T10ks 10-pin connector
T73a 73-pin connector
T73c 73-pin connector

278 Earth connection 4, in interior wiring harness

810 Earth point on central tube for dash panel, centre left

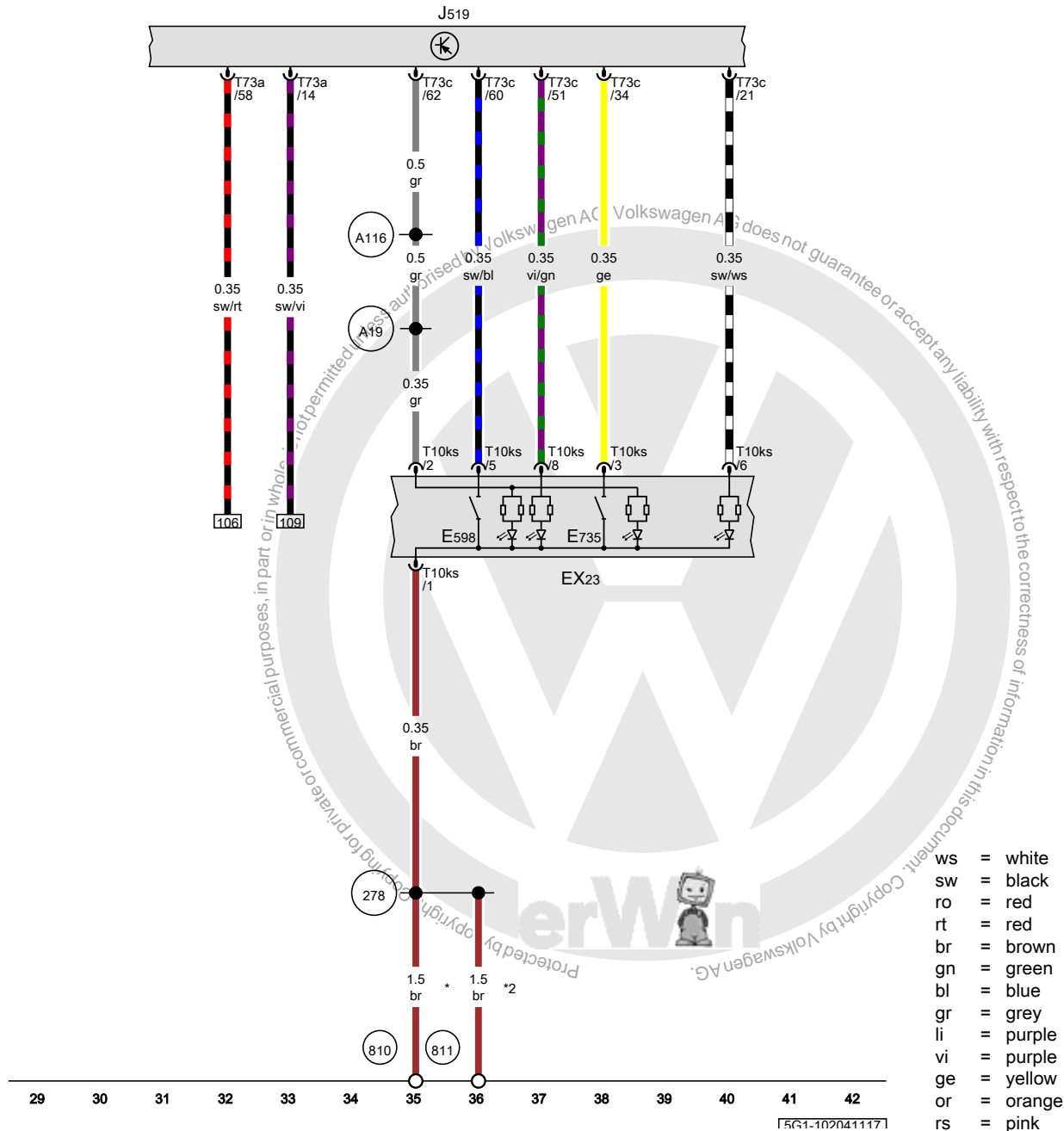
811 Earth point on central tube for dash panel, centre right

A19 Connection (58d), in dash panel wiring harness

A116 Connection 2 (58d), in dash panel wiring harness

* For left-hand drive models

*2 For right-hand drive models



Engine/motor control unit

J623 Engine/motor control unit
T4cx 4-pin connector
T94 94-pin connector
VX57 Radiator fan

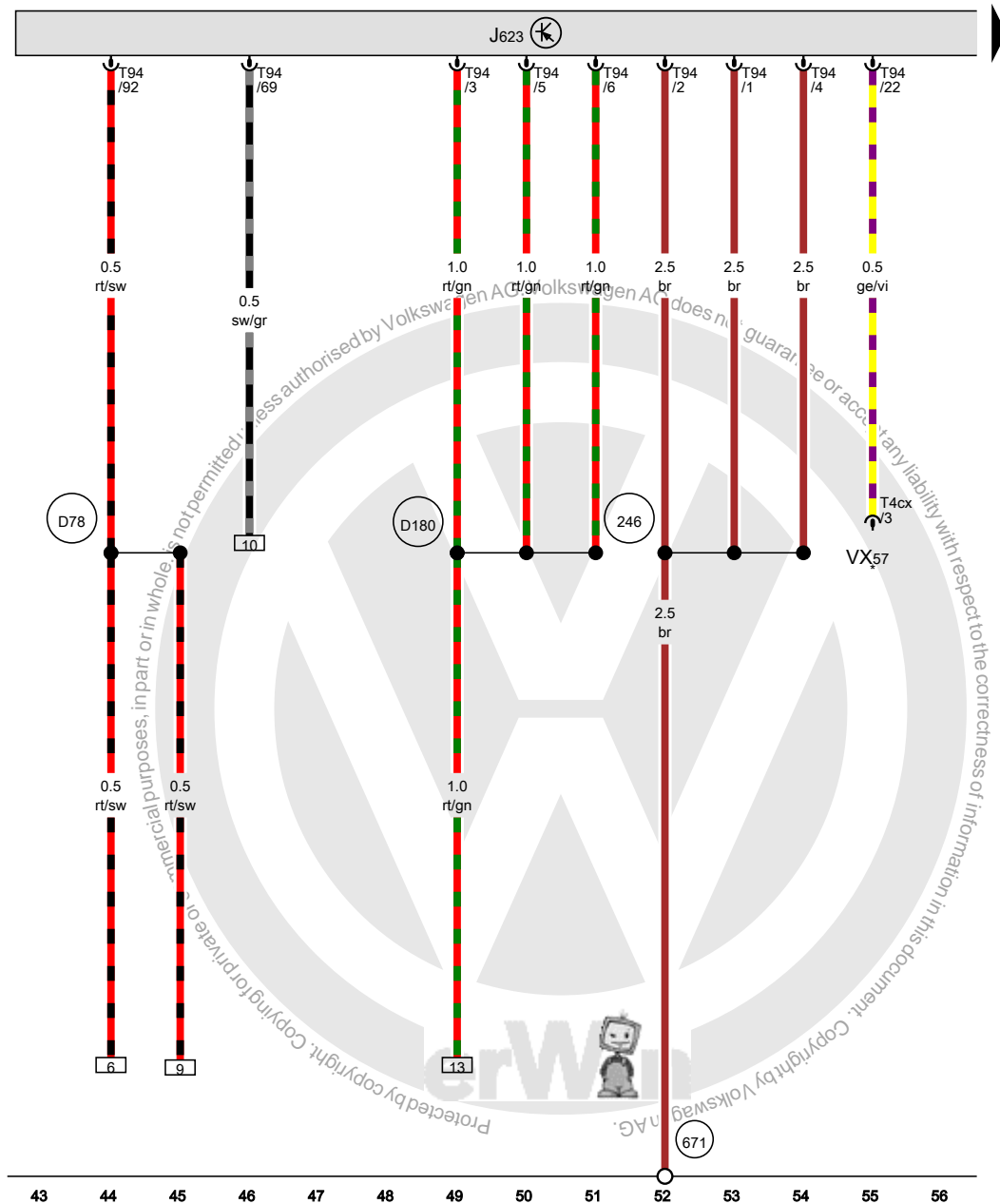
246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

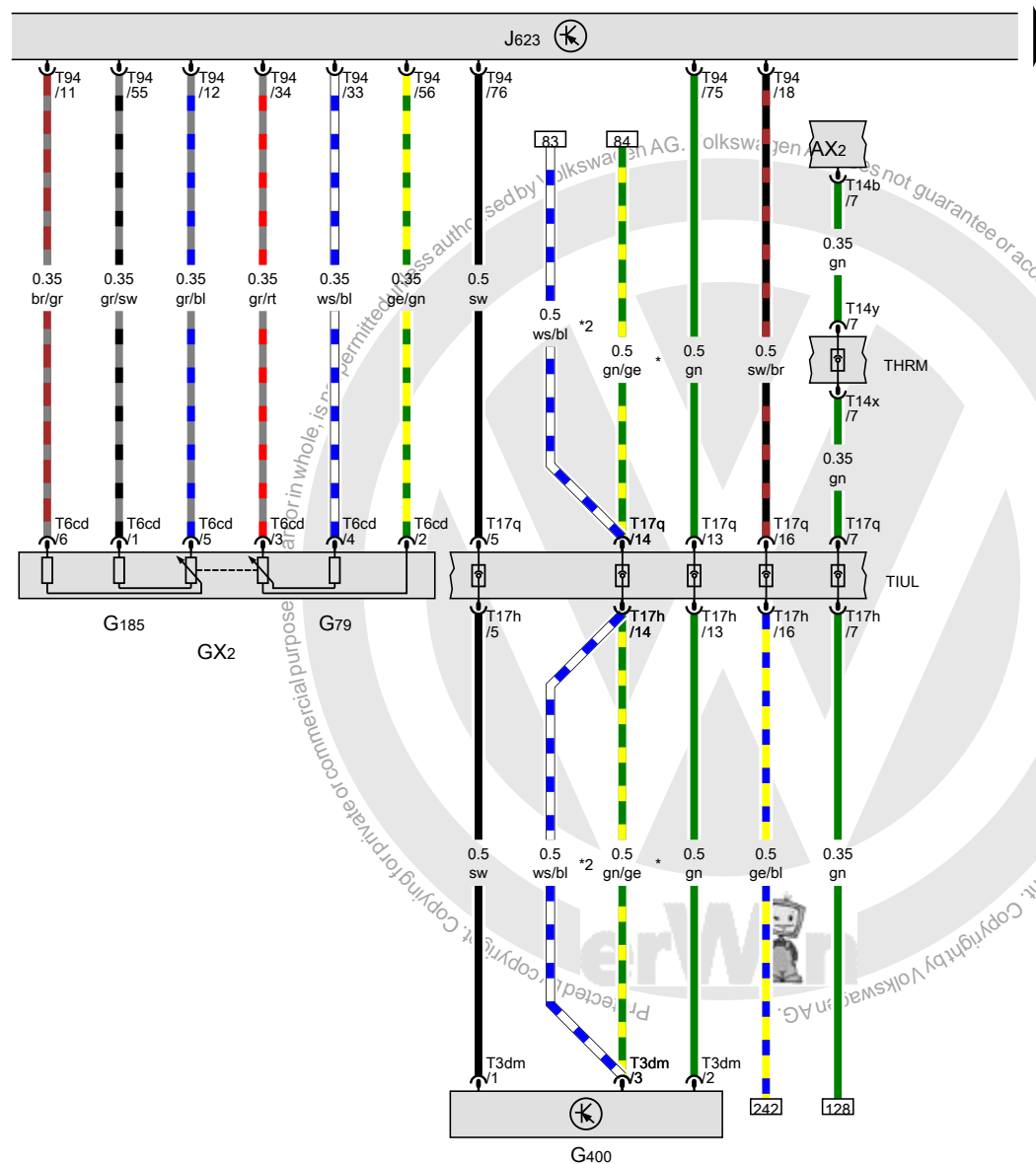
D180 Connection (87a), in engine compartment wiring harness

* Pre-wired component



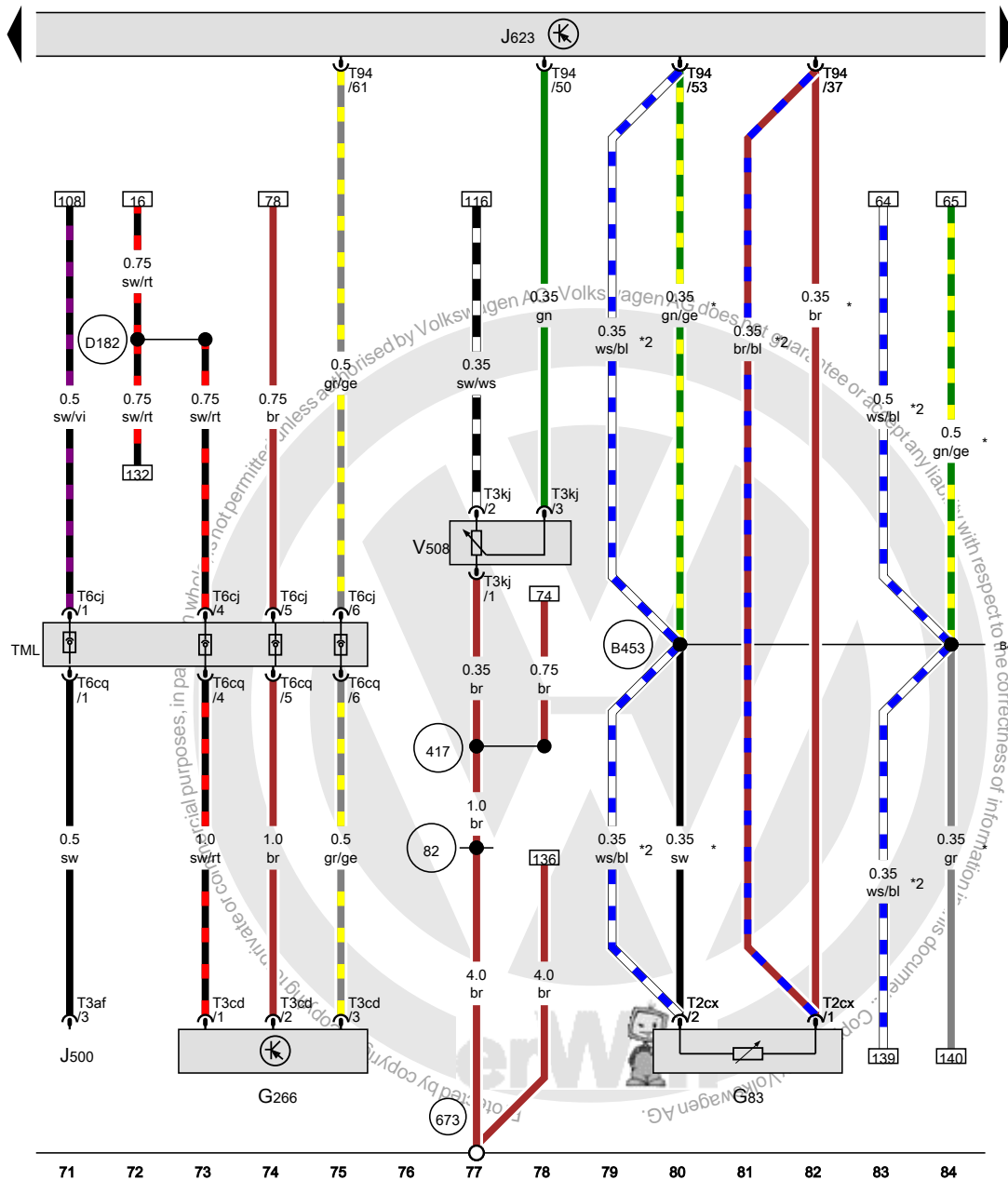
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ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

Accelerator pedal module, Tank pressure sensor, Engine/
motor control unit



- AX2 High-voltage battery 1
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G400 Tank pressure sensor
- J623 Engine/motor control unit
- T3dm 3-pin connector
- T6cd 6-pin connector
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T94 94-pin connector
- THRM Coupling point in luggage compartment, centre
- TIUL Coupling point in interior, below left
- * Up to May 2016
- *2 From May 2016

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Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit, Coolant circulation pump before power and control electronics for electric drive

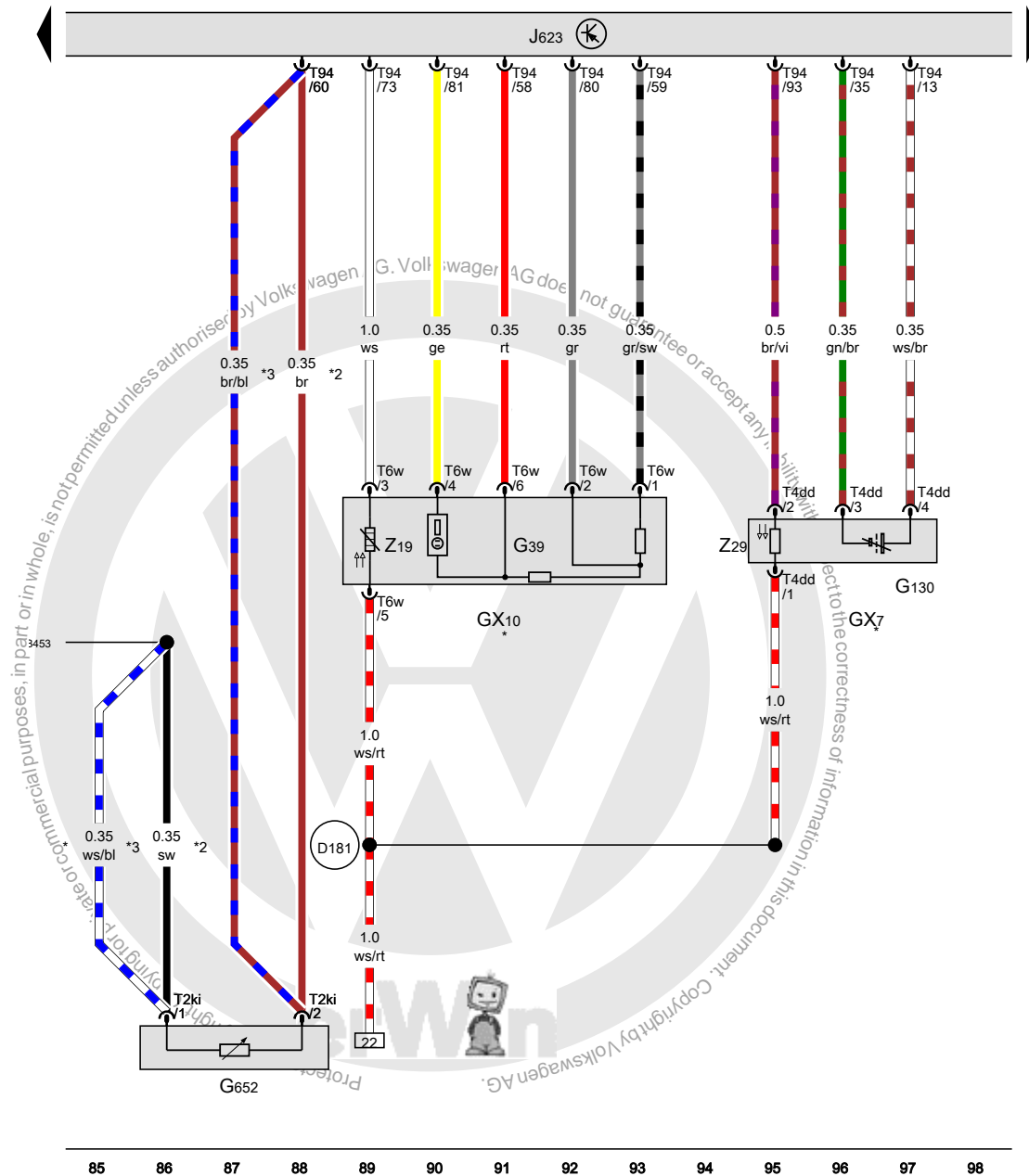
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T3kj 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- V508 Coolant circulation pump before power and control electronics for electric drive

- 82 Earth connection 1, in front left wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B453 Connection 1 (sensor), in main wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

* Up to May 2016
*2 From May 2016

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Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine temperature sender 2, Engine/motor control unit



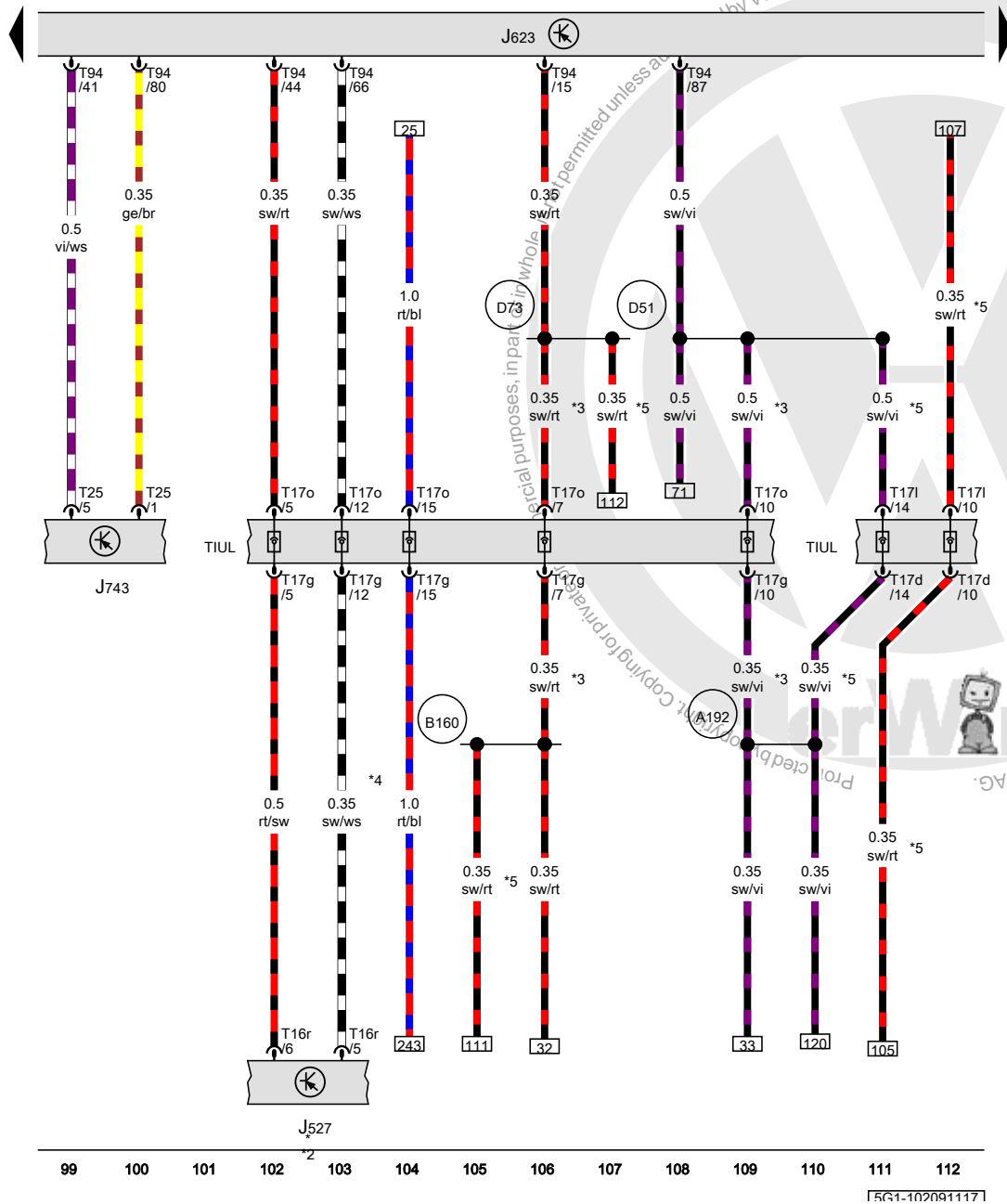
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G652 Engine temperature sender 2
- J623 Engine/motor control unit
- T2ki 2-pin connector
- T4dd 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

- B453 Connection 1 (sensor), in main wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 Up to May 2016
- *3 From May 2016

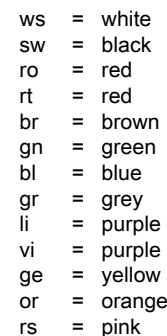
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Steering column electronics control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox



- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 From November 2017

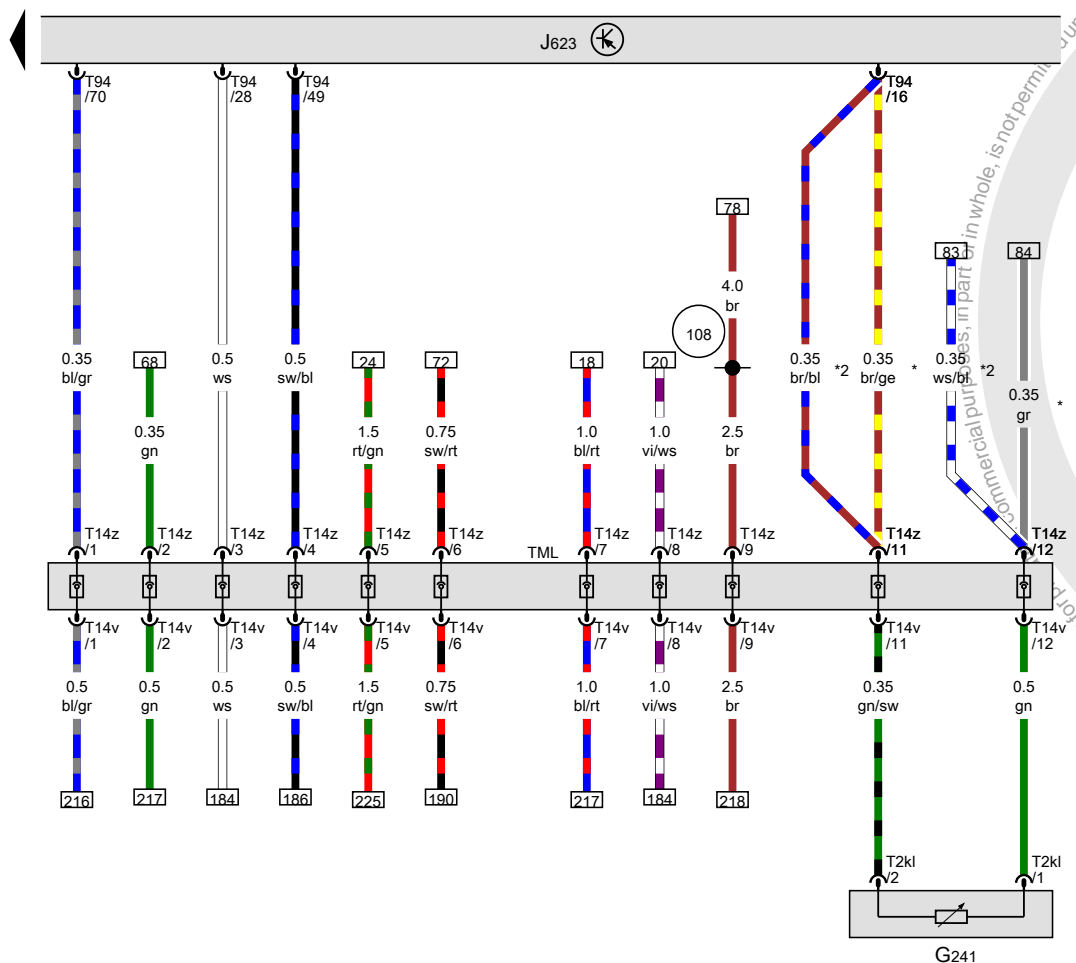
JX1	Power and control electronics for electric drive
J533	Data bus diagnostic interface
J623	Engine/motor control unit
N288	Fuel tank shut-off valve
T2kk	2-pin connector
T4cv	4-pin connector, black
T4cw	4-pin connector, black
T17e	17-pin connector, brown
T17f	17-pin connector
T17m	17-pin connector, brown
T17n	17-pin connector
T20	20-pin connector
T28b	28-pin connector
T94	94-pin connector
THRM	Coupling point in luggage compartment, centre
TIUL	Coupling point in interior, below left



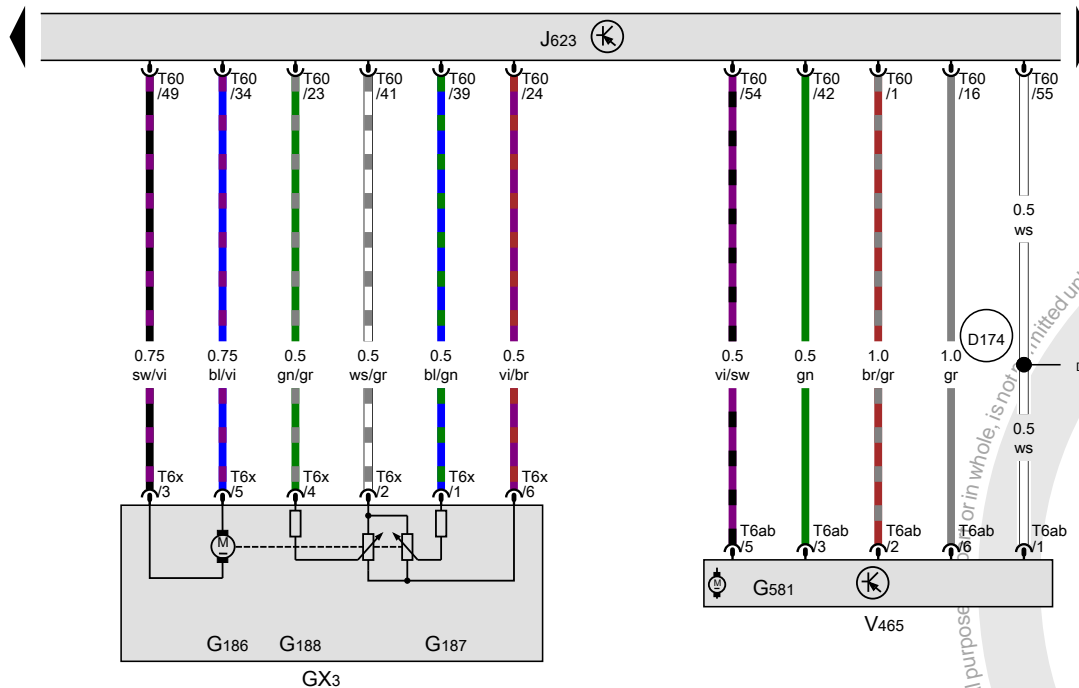
- 
 A227 Connection 2 (LIN bus) in dash panel wiring harness
 B352 Positive connection 3 (87a) in main wiring harness
 B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
 B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
 B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
 B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
 X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
 X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness

Coolant temperature sender for heater, Engine/motor control unit

- G241 Coolant temperature sender for heater
- J623 Engine/motor control unit
- T2kl 2-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- 108 Earth connection 2, in front left wiring harness
- * Up to May 2016
- *2 From May 2016

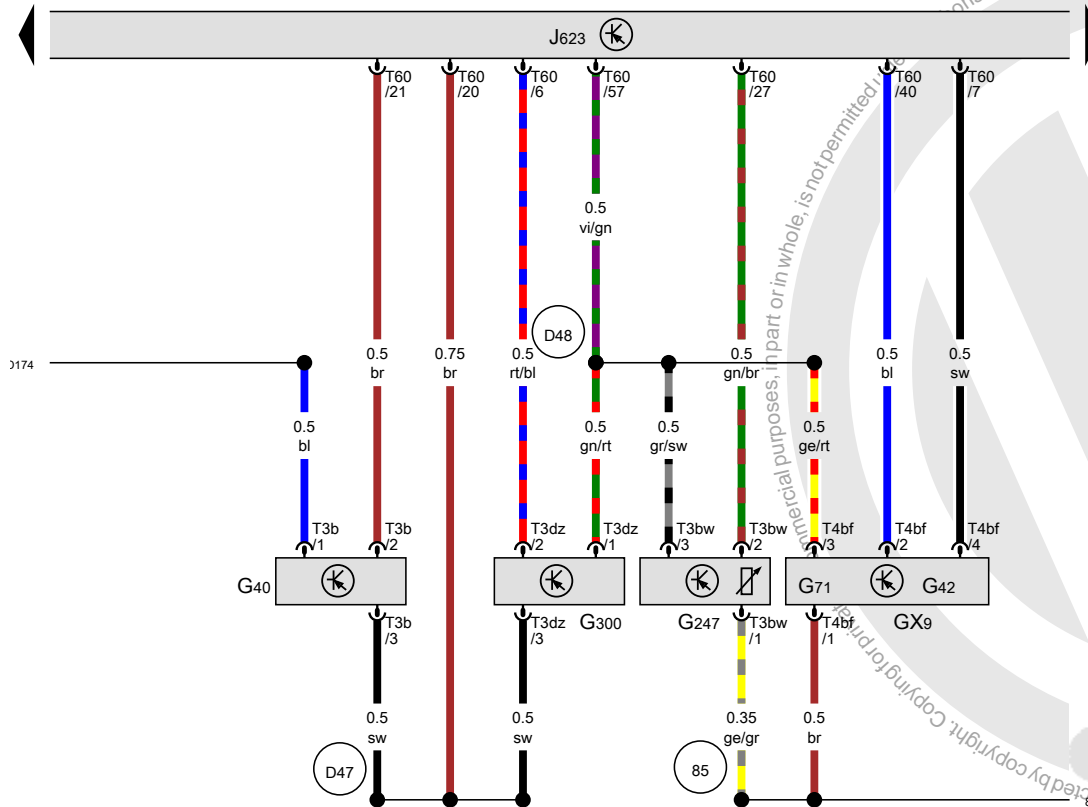


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Throttle valve module, Engine/motor control unit, Charge pressure positioner

- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T6ab 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- D174 Connection 2 (5V) in engine prewiring harness

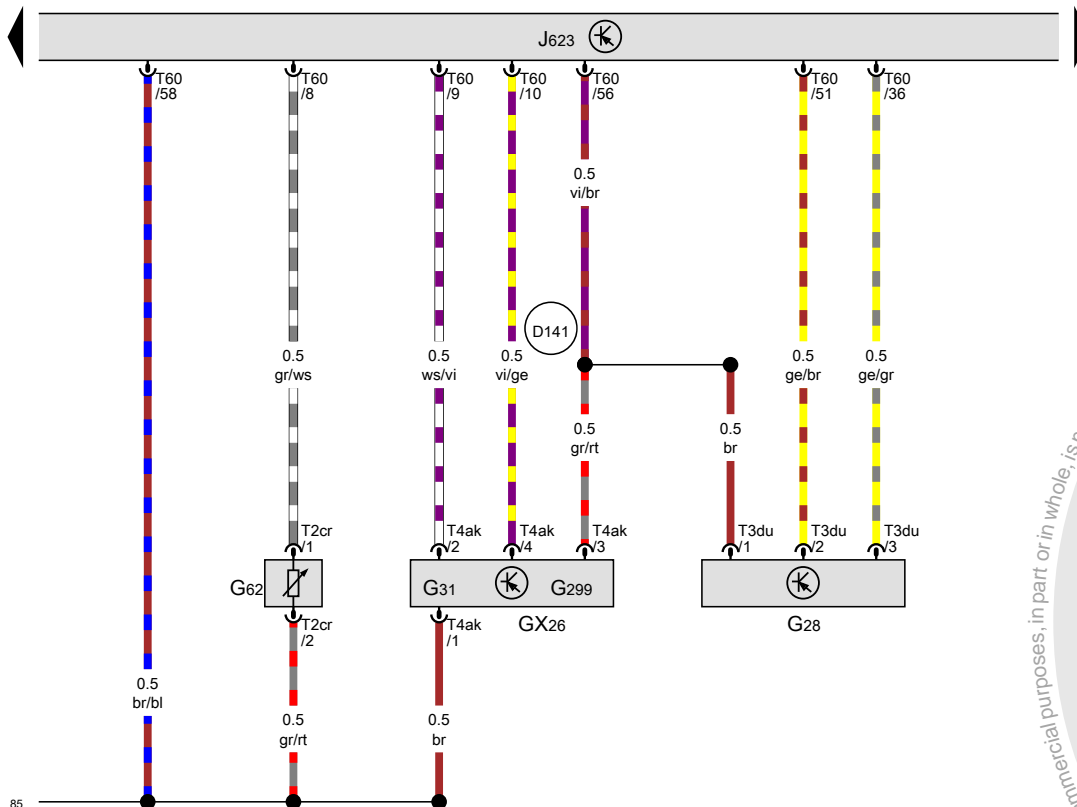


Intake manifold sender, Hall sender, Fuel pressure sender, Hall sender 3, Engine/motor control unit

- GX9 Intake manifold sender
- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G300 Hall sender 3
- J623 Engine/motor control unit
- T3b 3-pin connector
- T3bw 3-pin connector
- T3dz 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- D47 Connection 9, in engine prewiring harness
- D48 Connection 10, in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

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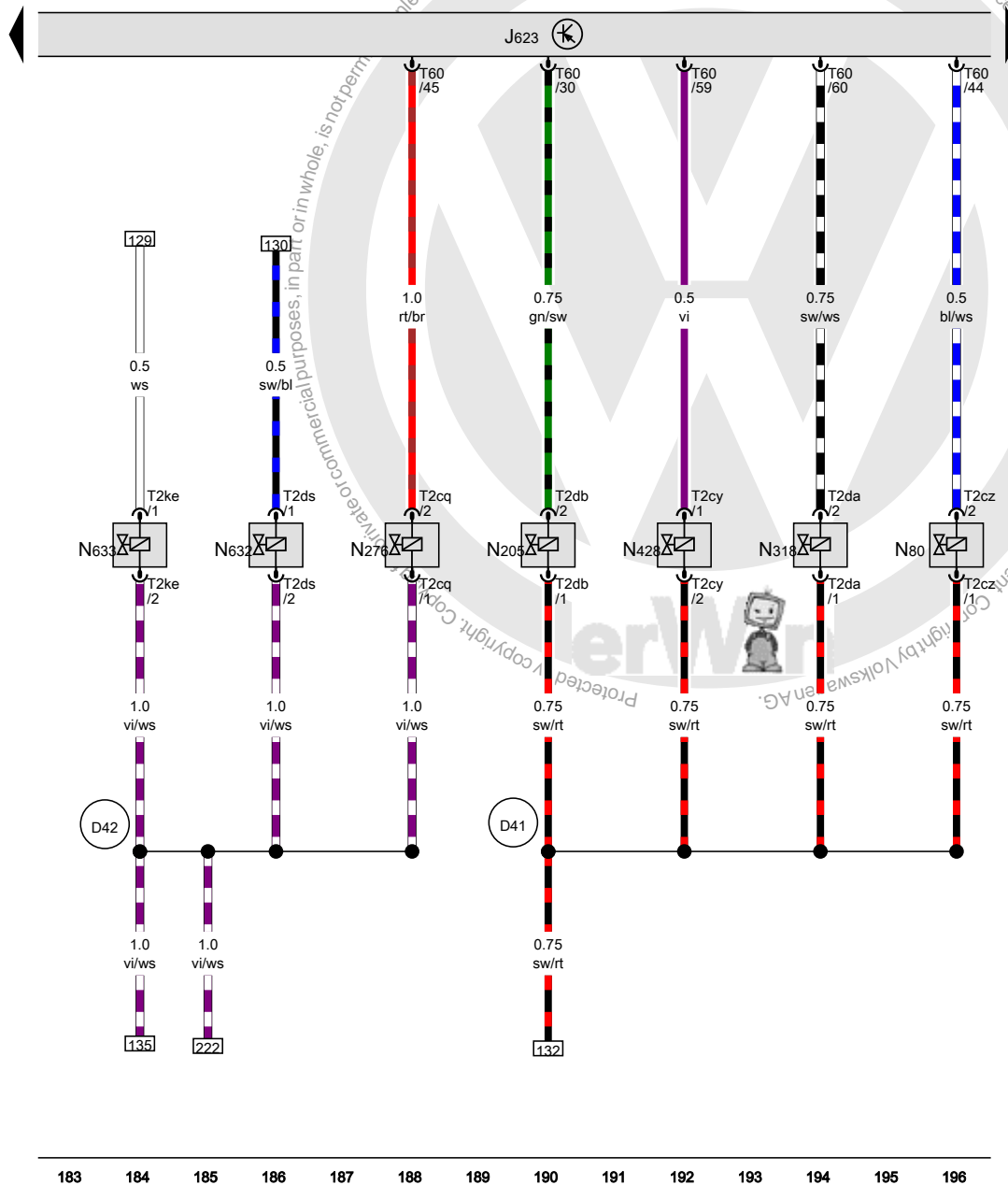


Charge pressure sender, Engine speed sender, Coolant temperature sender, Engine/motor control unit

- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3du 3-pin connector
- T4ak 4-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

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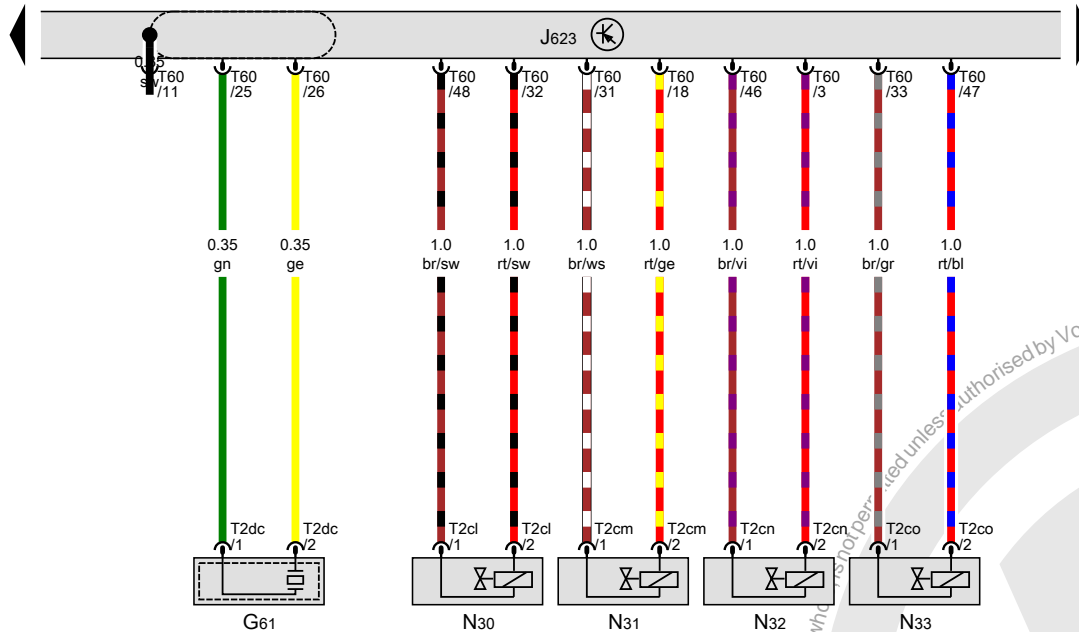
Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Coolant changeover valve 1, Coolant changeover valve 2

- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N632 Coolant changeover valve 1
- N633 Coolant changeover valve 2
- T2cq 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2ds 2-pin connector
- T2ke 2-pin connector
- T60 60-pin connector

- D41 Connection 3, in engine prewiring harness
- D42 Connection 4, in engine prewiring harness

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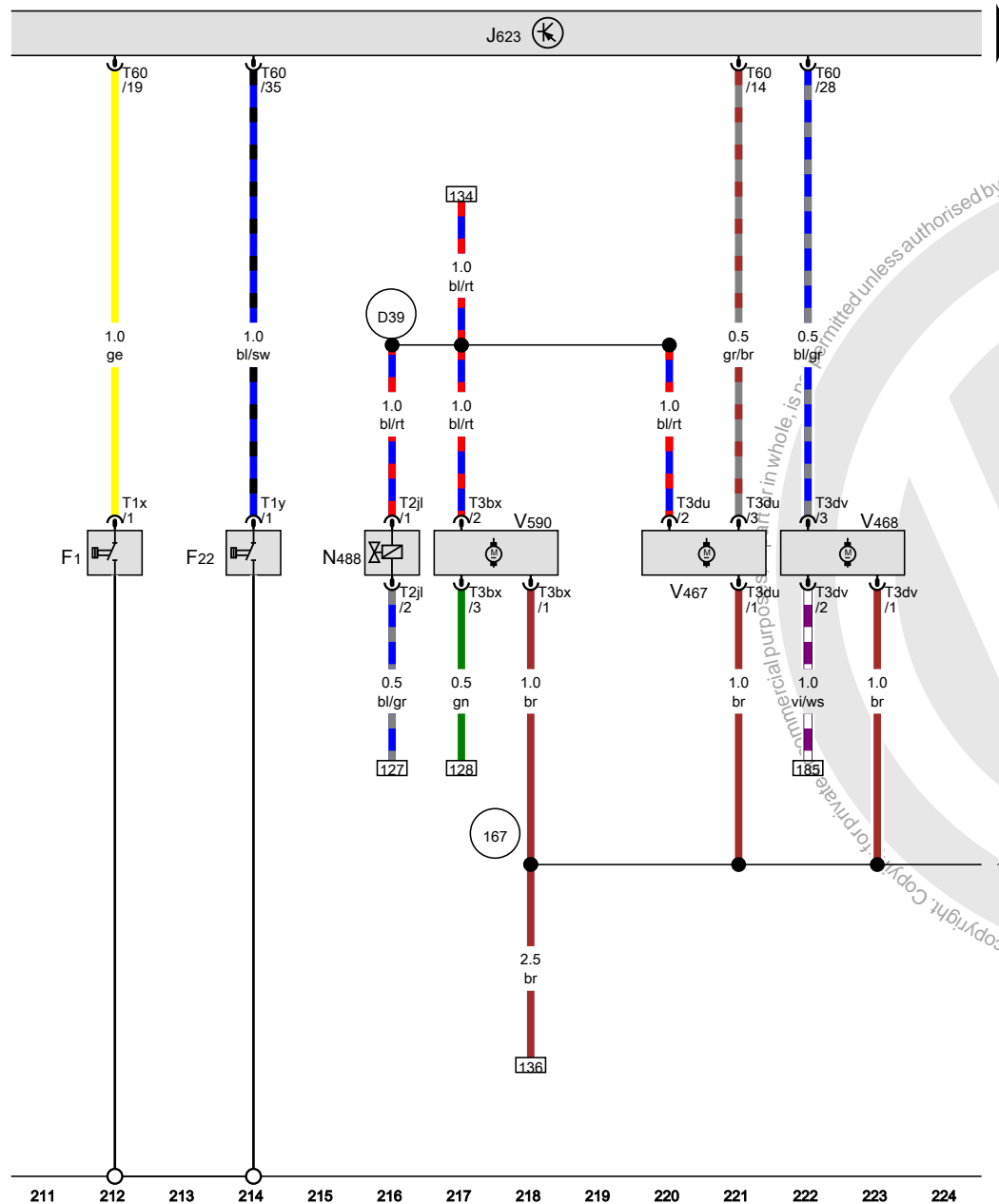
Knock sensor 1, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- G61 Knock sensor 1
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

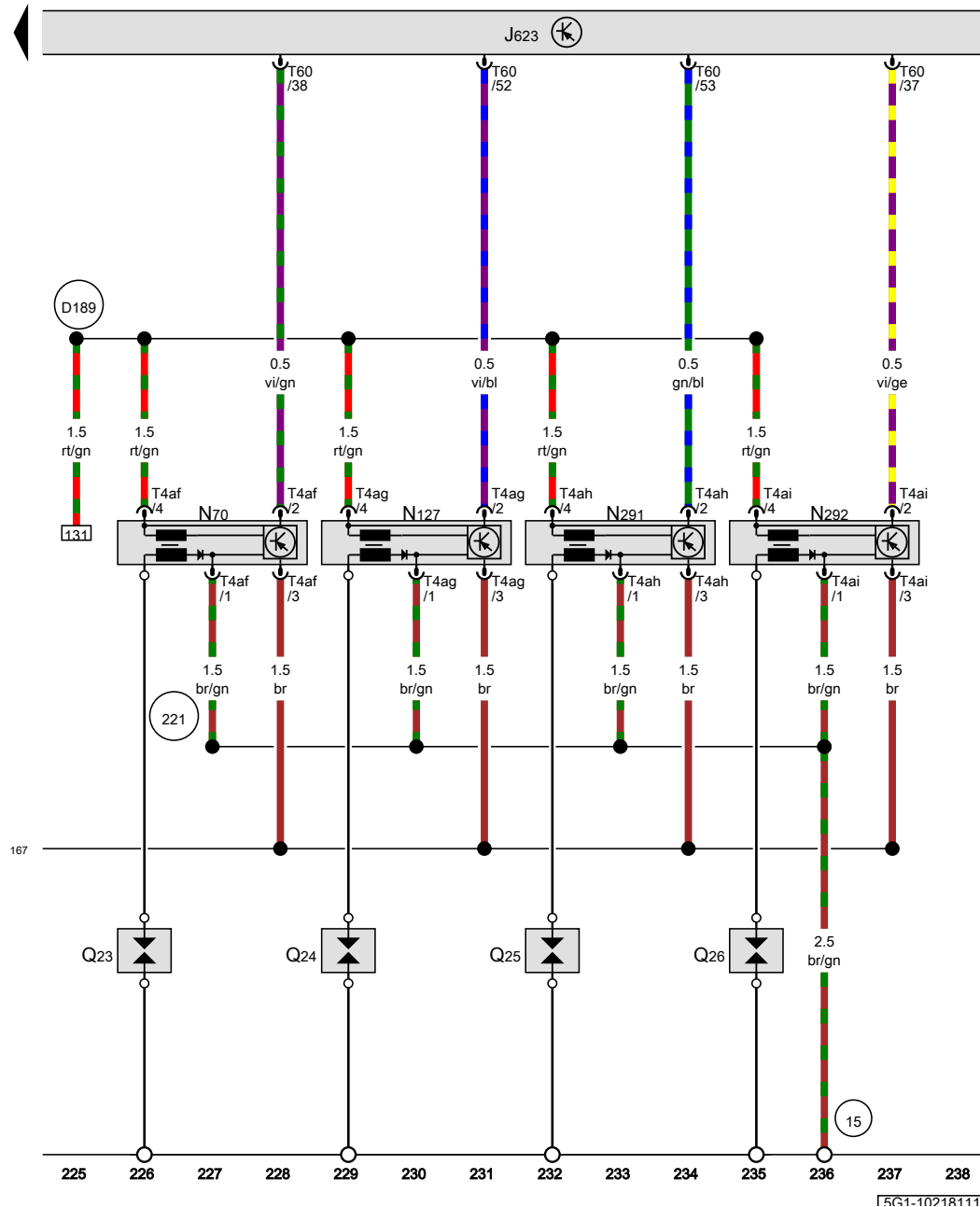
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Oil pressure switch, Oil pressure switch, Engine/motor control unit, Coolant valve for gearbox, Coolant pump for high-temperature circuit, Coolant pump for low-temperature circuit, Coolant pump for high-voltage battery



- F1 Oil pressure switch
- F22 Oil pressure switch
- J623 Engine/motor control unit
- N488 Coolant valve for gearbox
- T1x 1-pin connector
- T1y 1-pin connector
- T2jl 2-pin connector
- T3bx 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T60 60-pin connector
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery, near oil level and oil temperature sender
- 167 Earth connection 4, in engine compartment wiring harness
- D39 Connection 1, in engine prewiring harness

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Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 167 Earth connection 4, in engine compartment wiring harness
- 221 Earth connection (engine earth), in engine wiring harness
- D189 Connection (87a) in engine prewiring harness

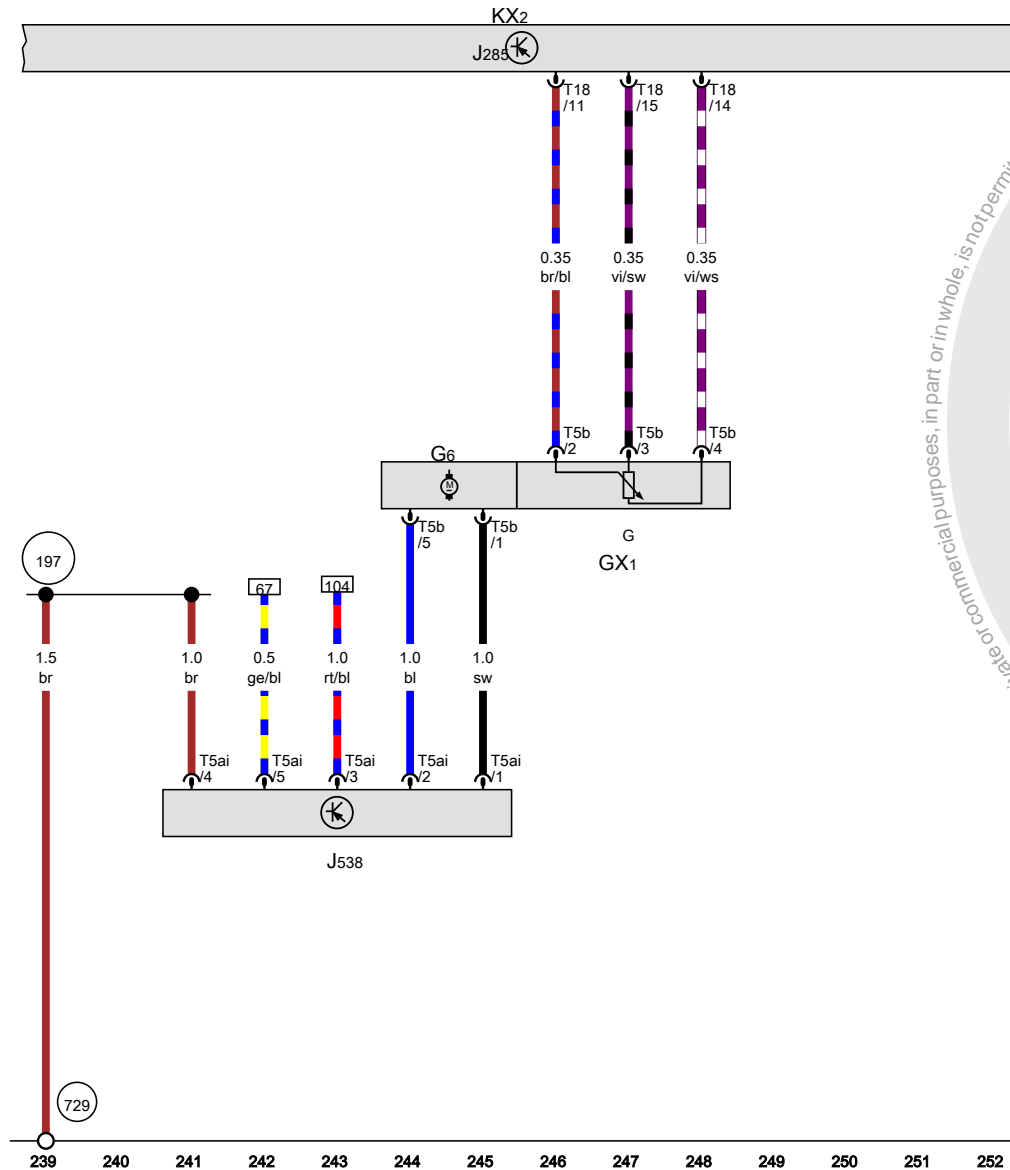
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15G1-102181117

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

- 197 Earth connection 4, in rear wiring harness
- 729 Earth point, on left rear wheel housing



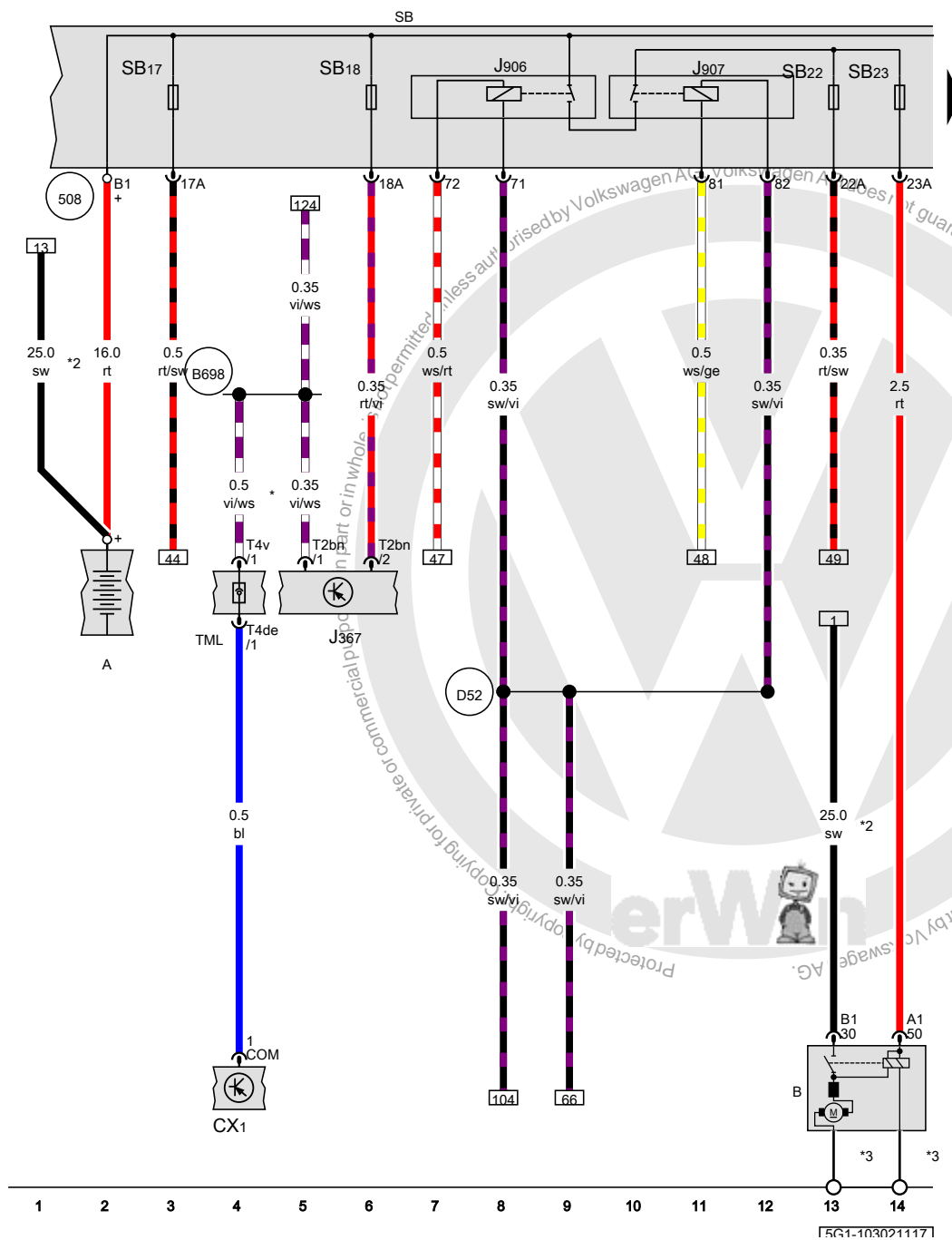
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15G1-102191117

1.4l petrol engine , CHPA,CZCA,CZDA

From November 2015



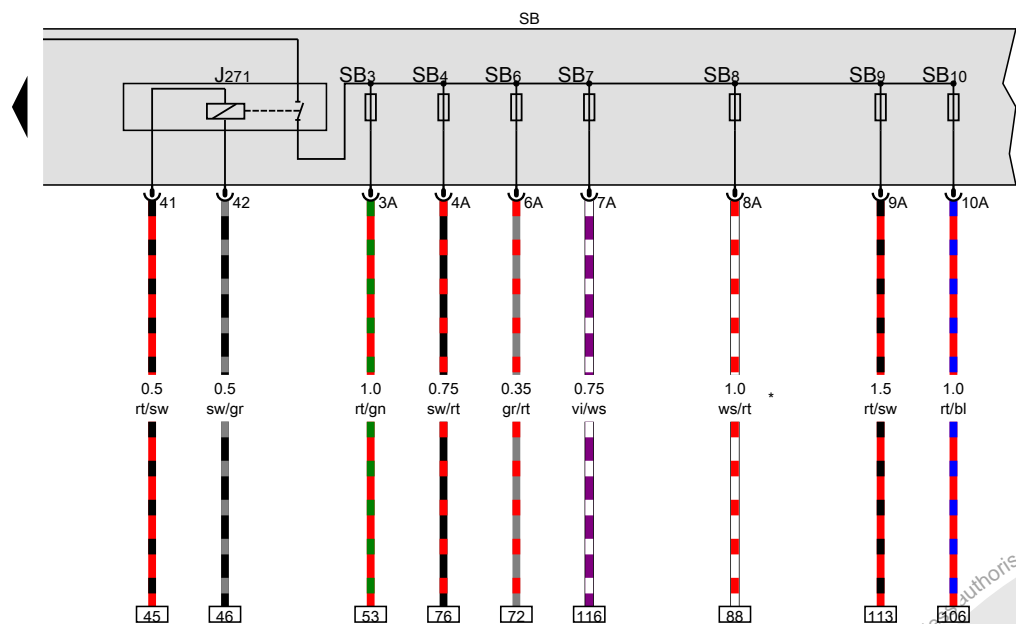


Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4de 4-pin connector, black
- T4v 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross section depends on equipment
- *2 Cross-section 35.0 possible
- *3 Earth supply via housing

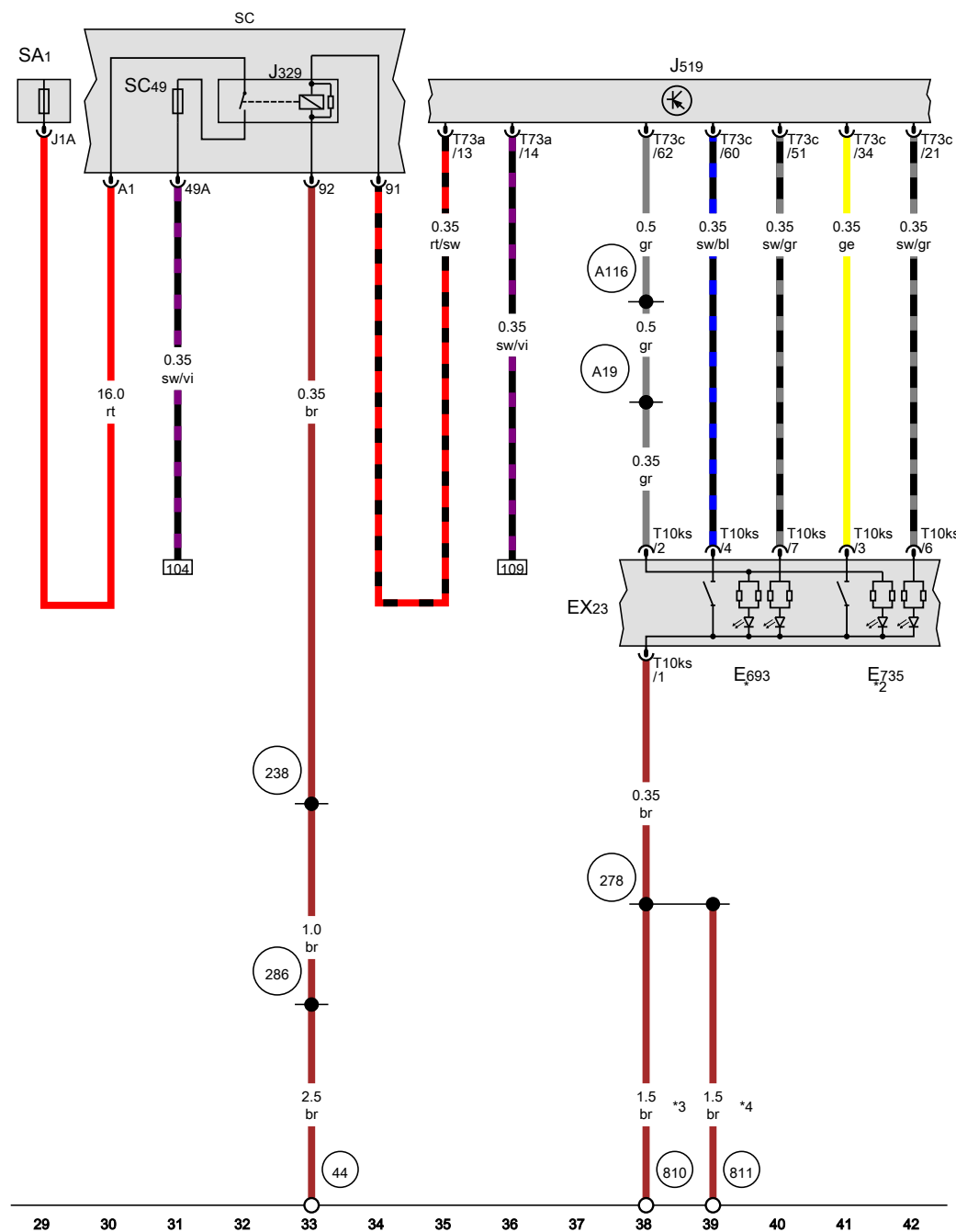
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Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment

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Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

- ws = white
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15G1-103041117

Engine/motor control unit

J623 Engine/motor control unit

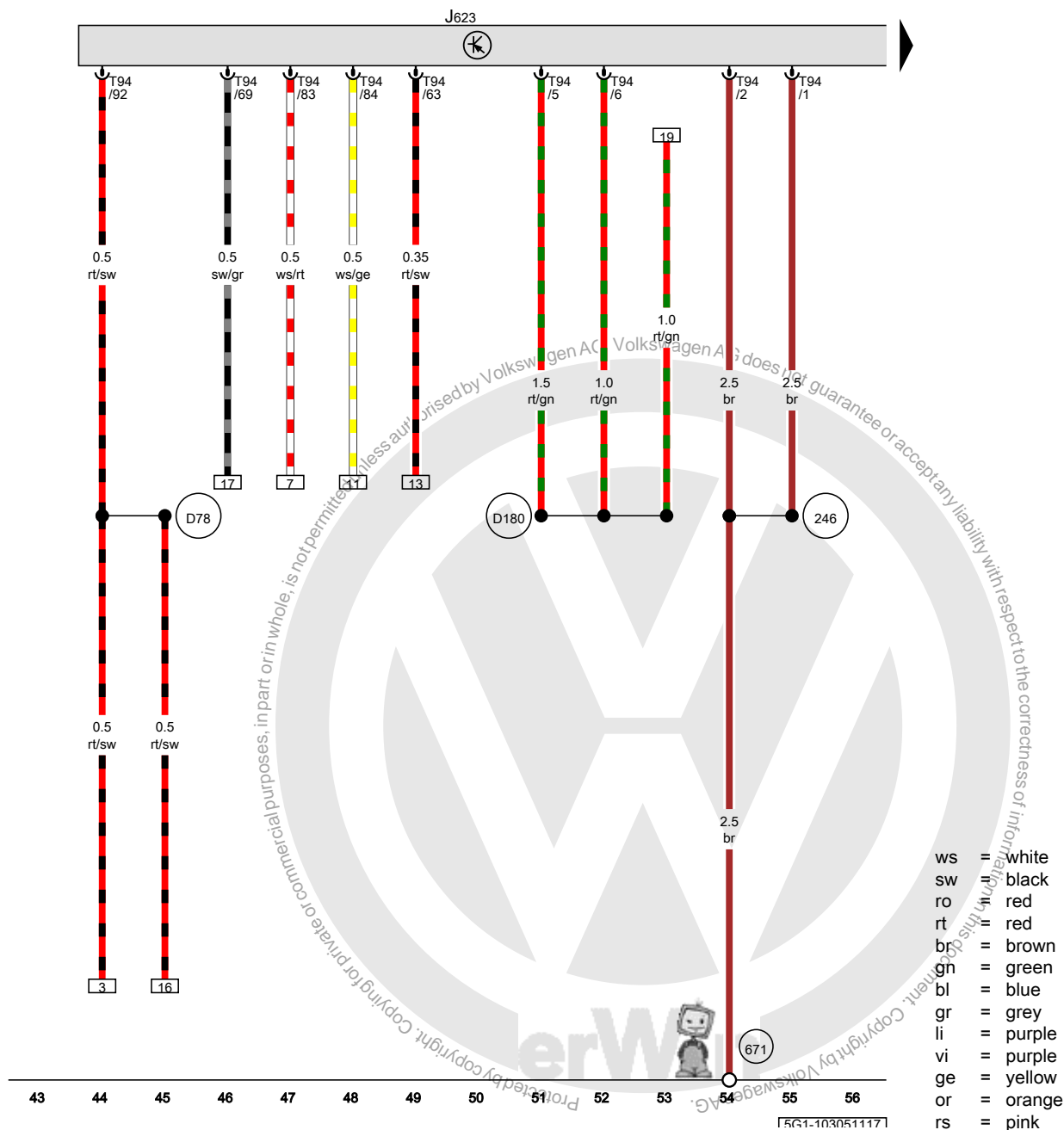
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

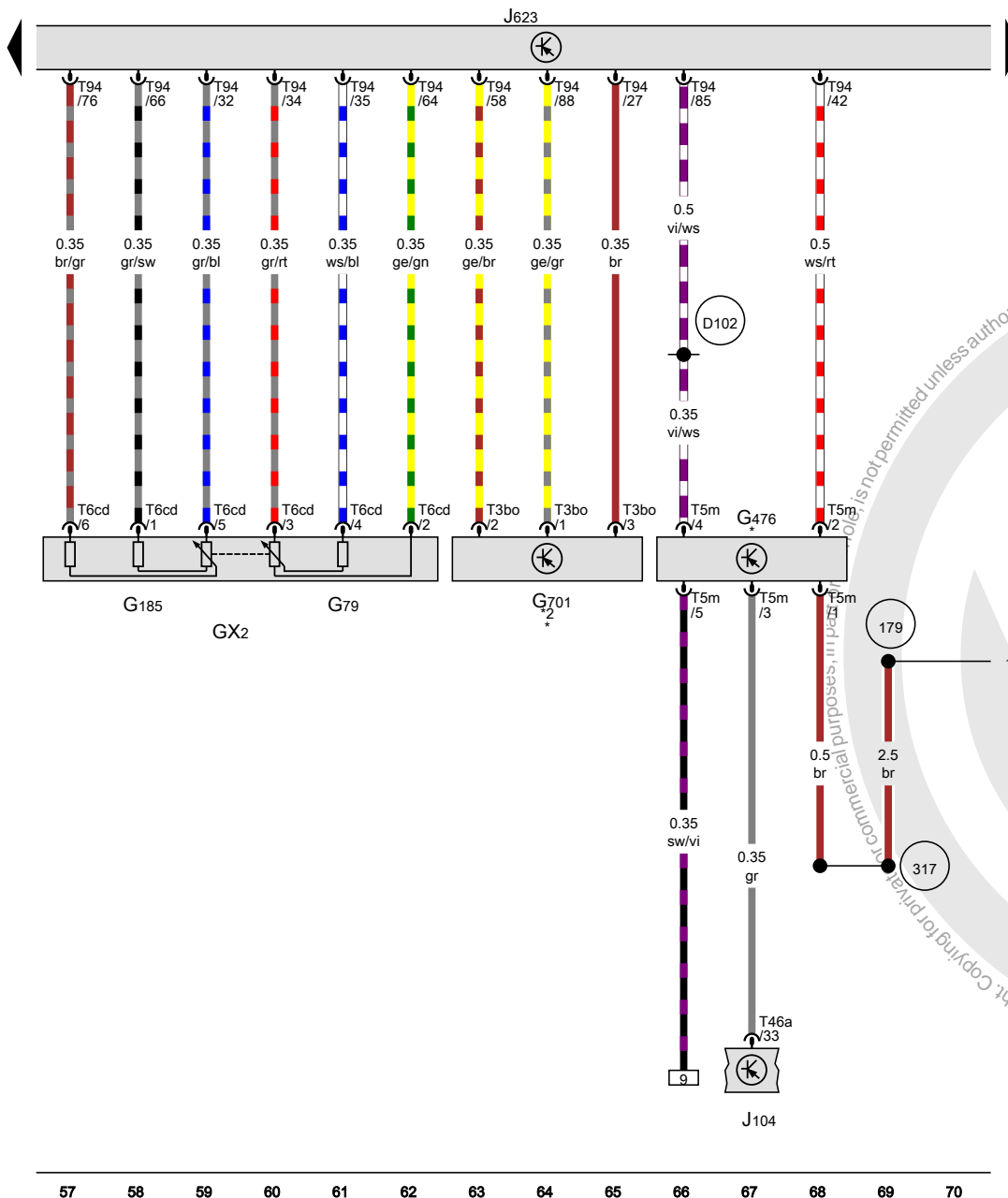
671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit

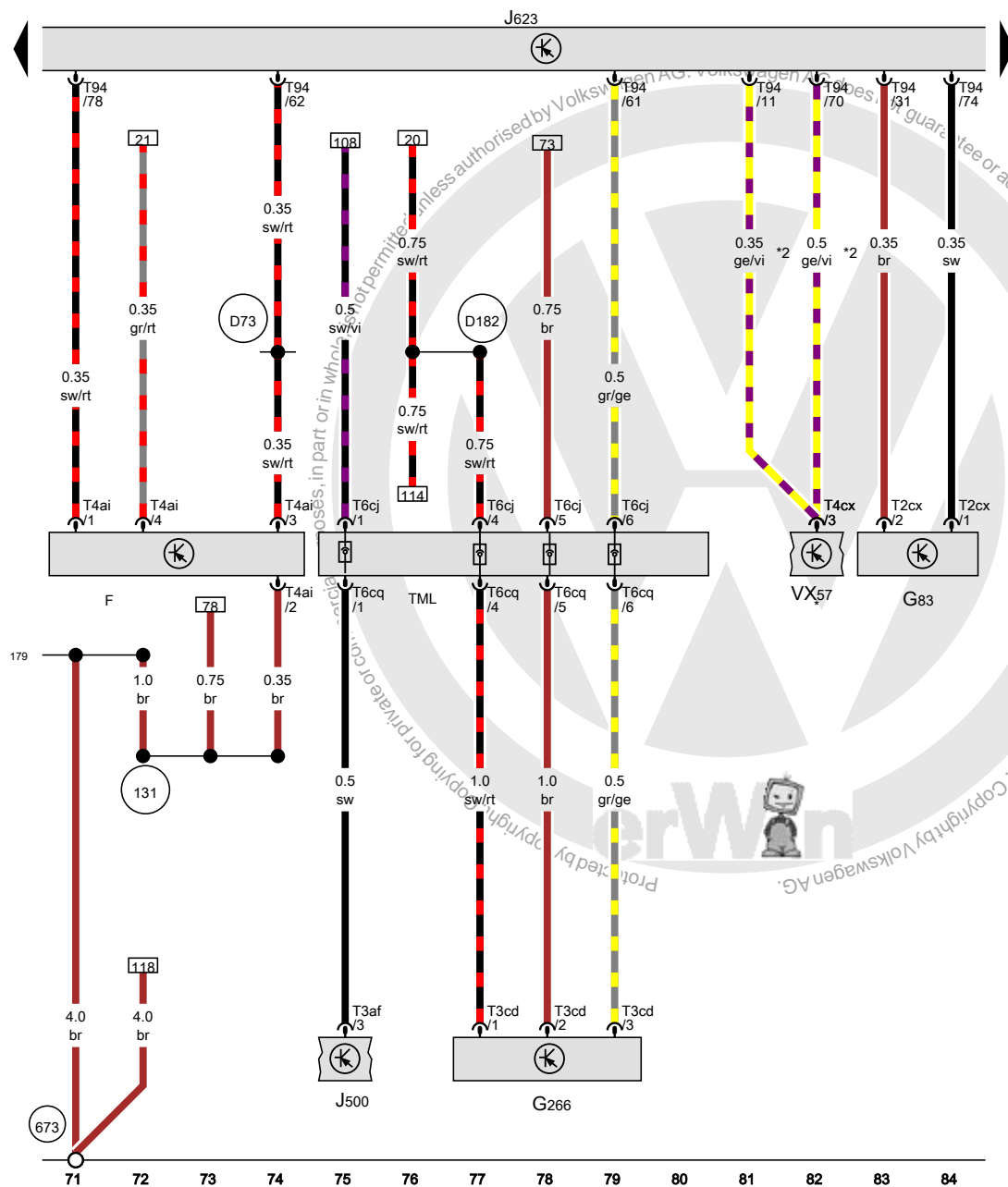


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with manual gearbox
- *2 For models with start/stop system

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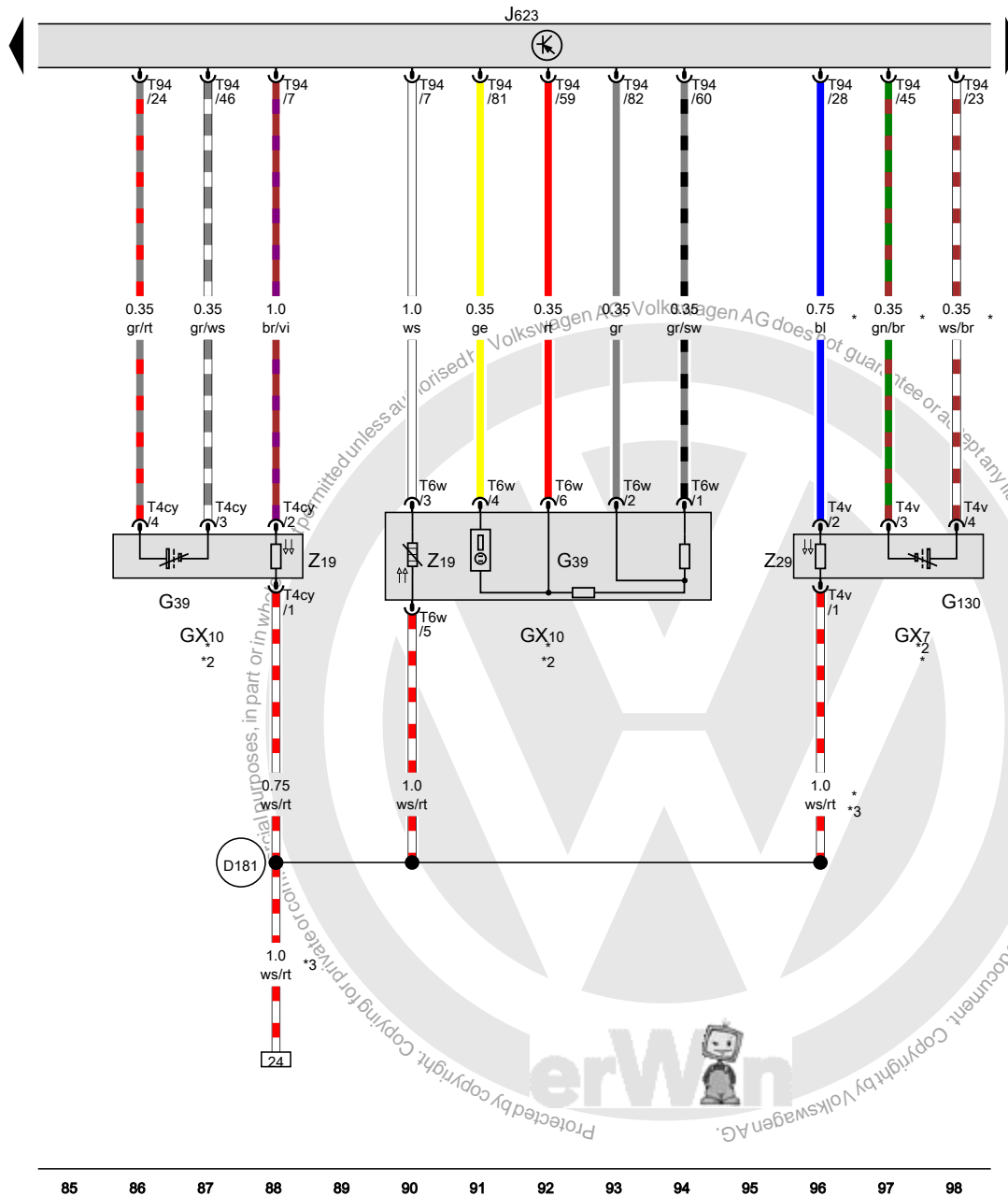
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Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan

- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit

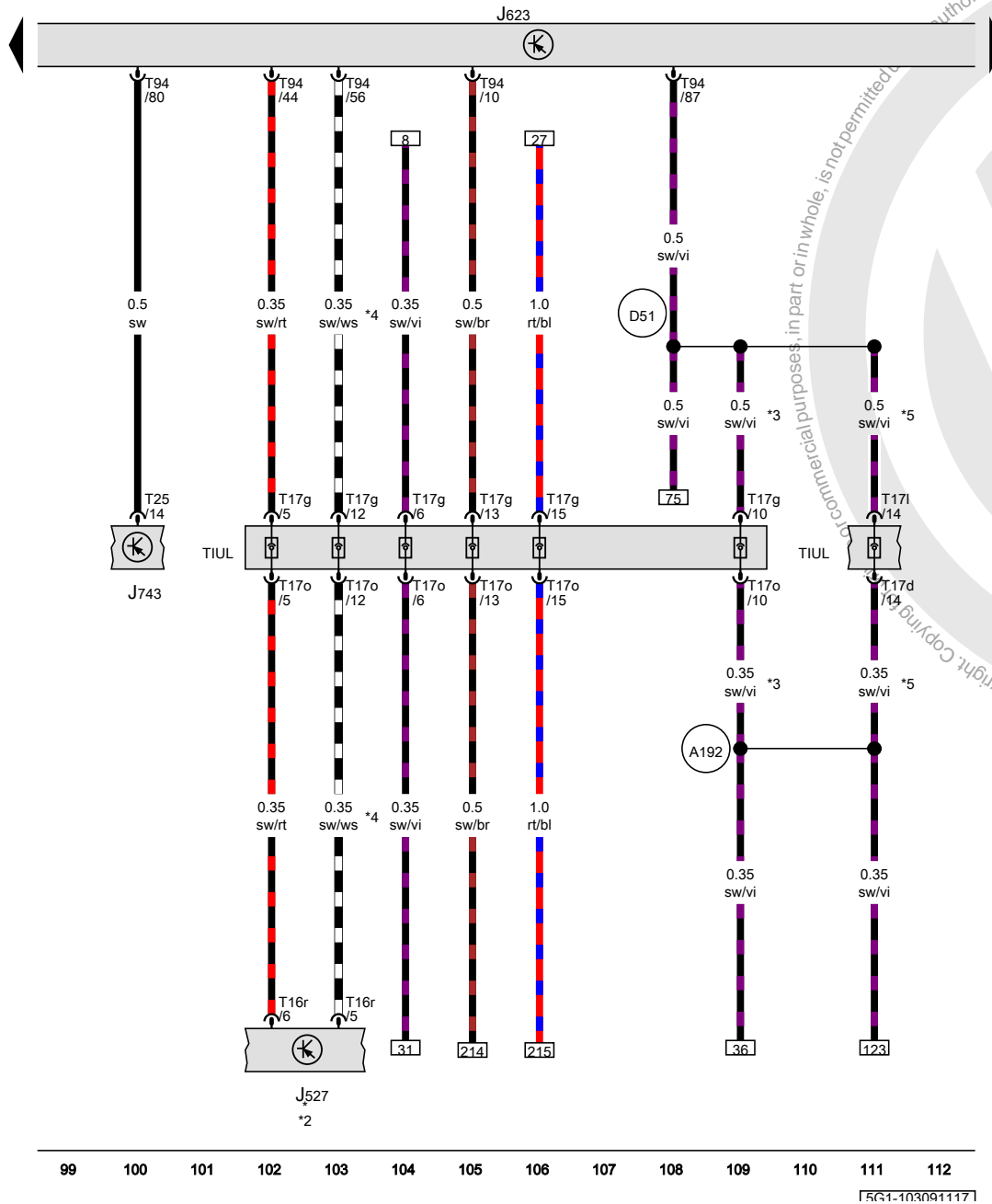
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T4cy 4-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

- * According to equipment
- *2 Pre-wired component
- *3 Cross section depends on equipment

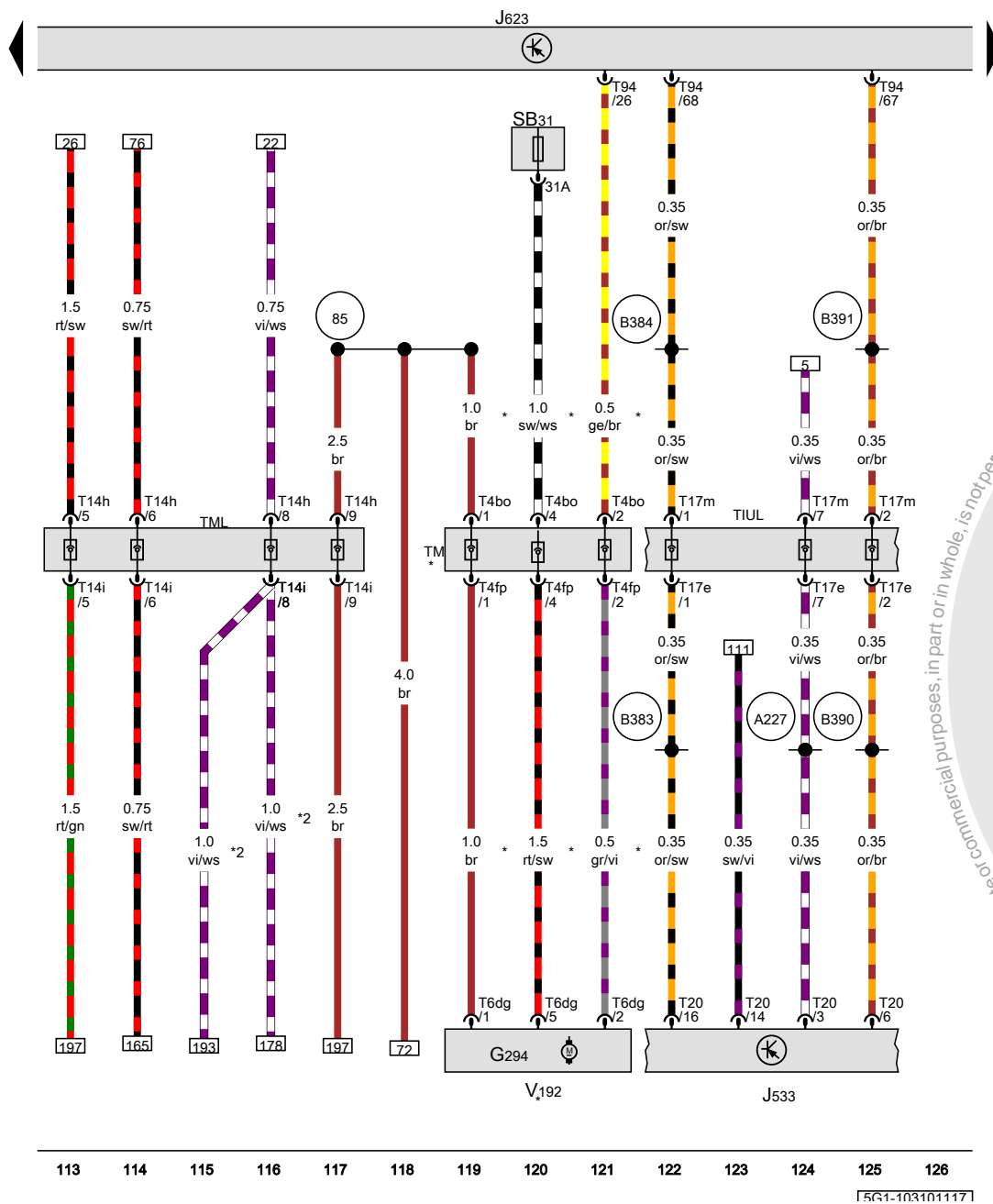
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- rs = pink

Steering column electronics control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox



- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 Up to November 2017
- *4 For models with cruise control system (CCS)
- *5 From November 2017

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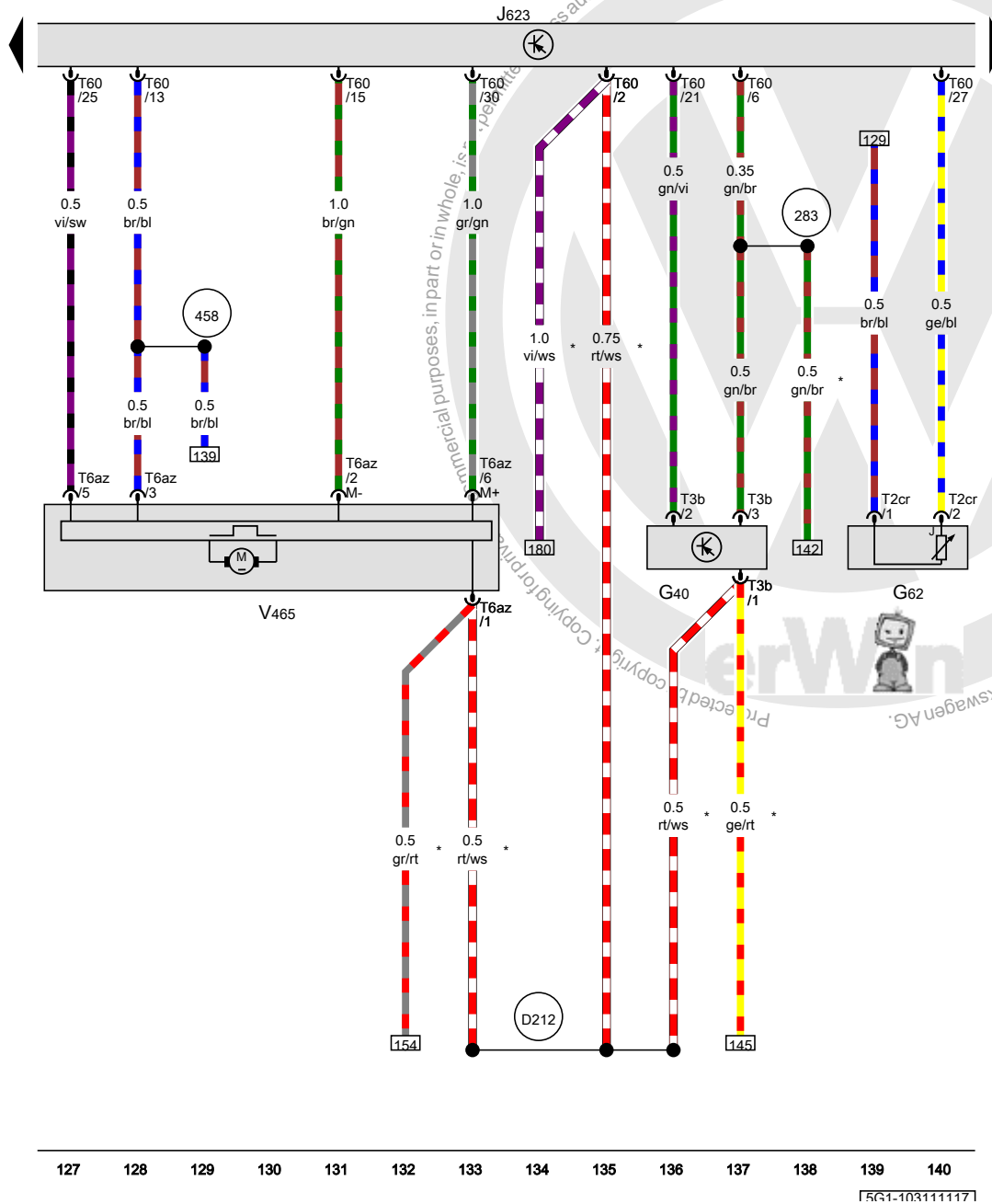


Data bus diagnostic interface, Engine/motor control unit, Coupling point in engine compartment, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * For models with equipment for Japan
- *2 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Hall sender, Coolant temperature sender, Engine/motor control unit, Charge pressure positioner

- G40 Hall sender
- G62 Coolant temperature sender
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

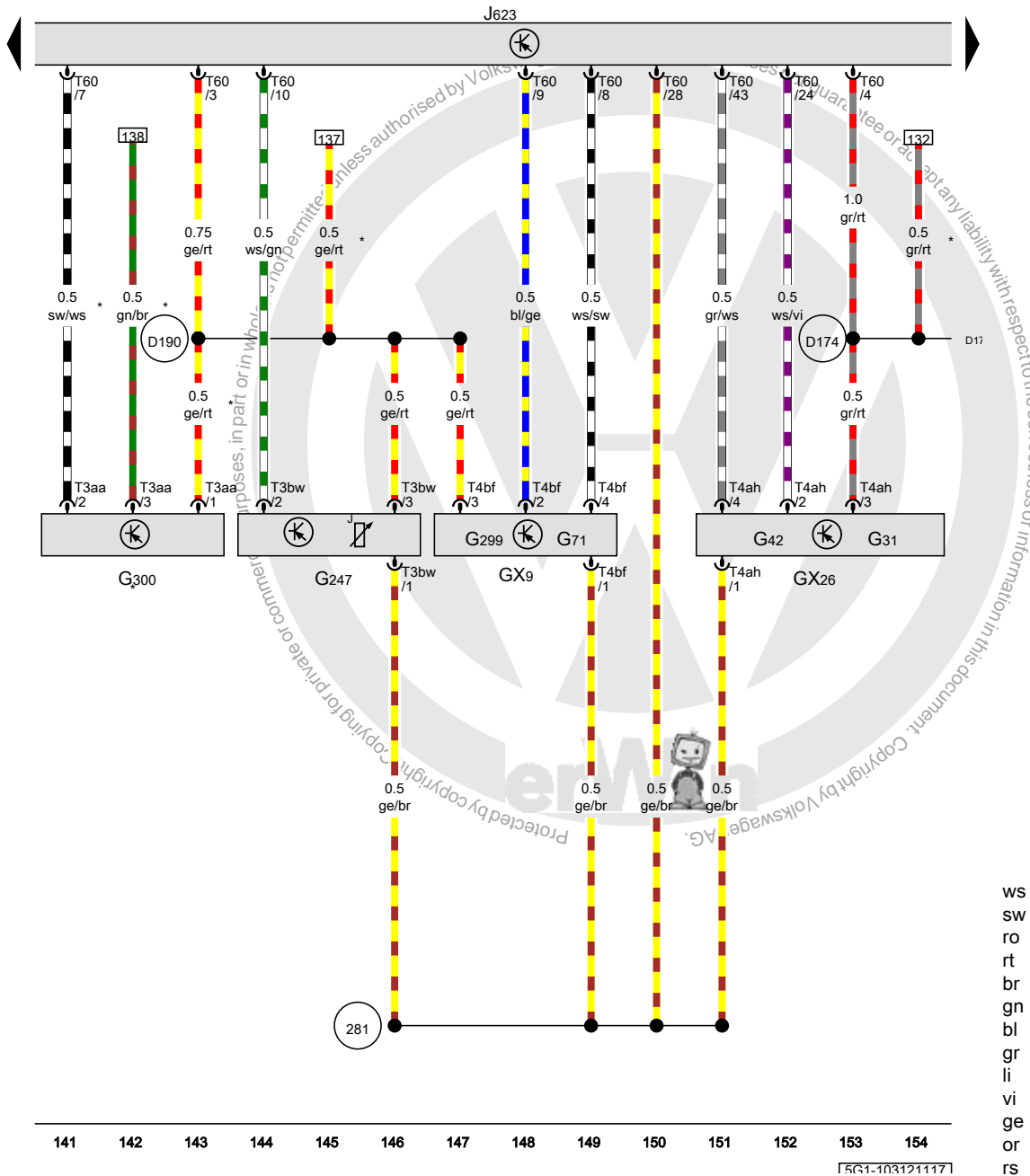
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

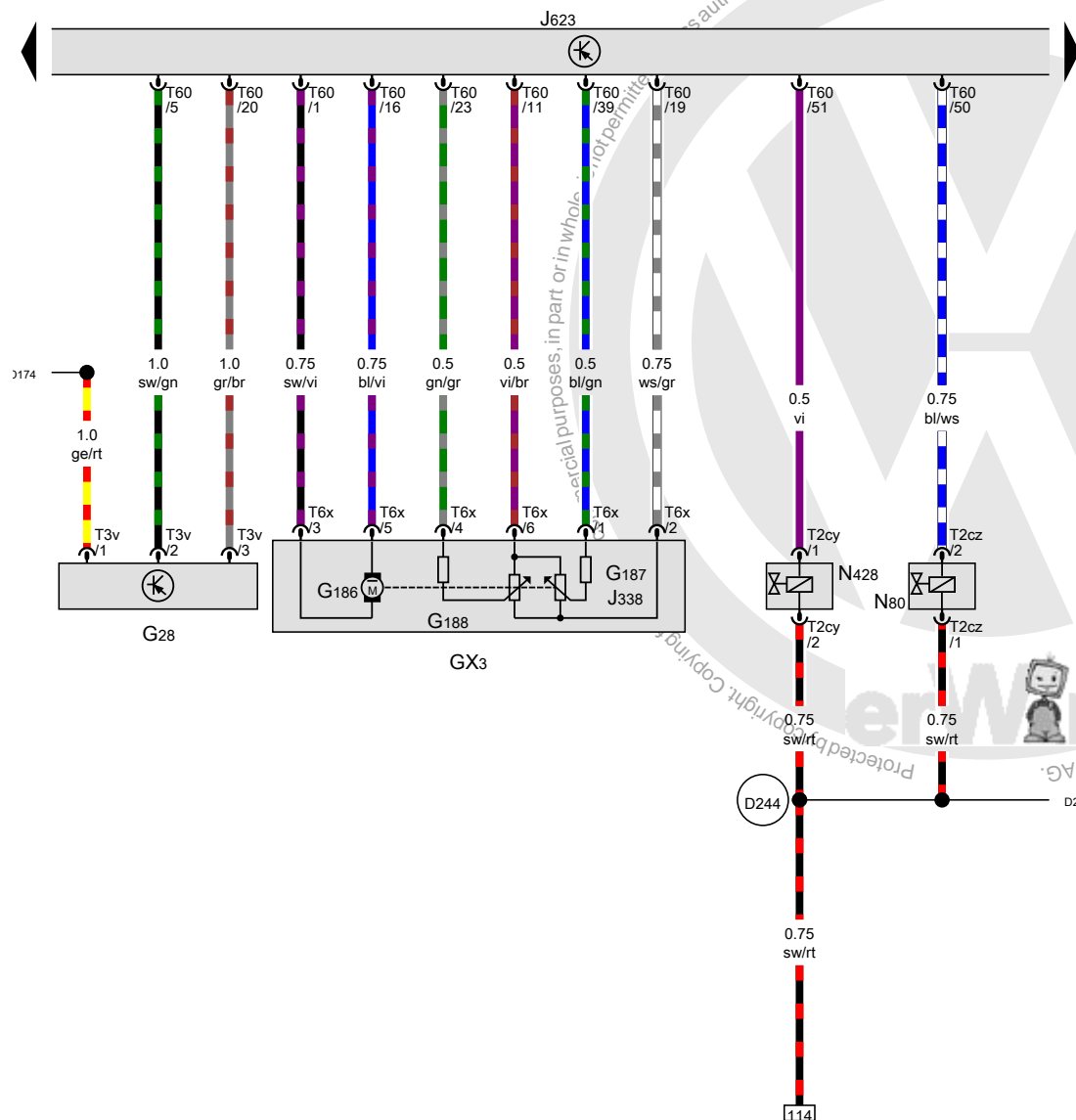
127 128 129 130 131 132 133 134 135 136 137 138 139 140

[5G1-103111117]

Intake manifold sender, Charge pressure sender, Fuel pressure sender, Engine/motor control unit



- GX9 Intake manifold sender
- GX26 Charge pressure sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- J623 Engine/motor control unit
- T3aa 3-pin connector
- T3bw 3-pin connector
- T4ah 4-pin connector
- T4bf 4-pin connector
- T60 60-pin connector
- (281) Earth point 1, engine prewiring harness
- (D174) Connection 2 (5V) in engine prewiring harness
- (D190) Connection 3 (5V) in engine prewiring harness
- * According to equipment



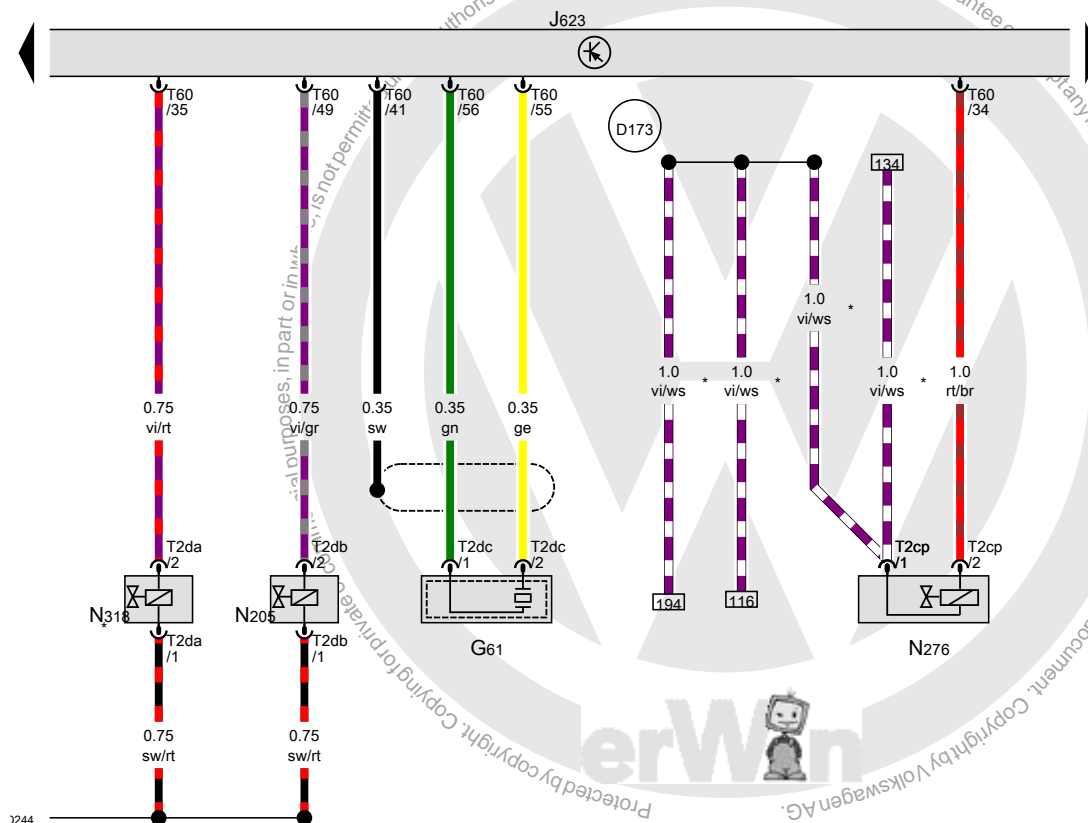
Throttle valve module, Engine speed sender, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Valve for oil pressure control

- GX3 Throttle valve module
- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N428 Valve for oil pressure control
- T2cy 2-pin connector
- T2cz 2-pin connector
- T3v 3-pin connector
- T6x 6-pin connector
- T60 60-pin connector

D174 Connection 2 (5V) in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Knock sensor 1, Engine/motor control unit, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1

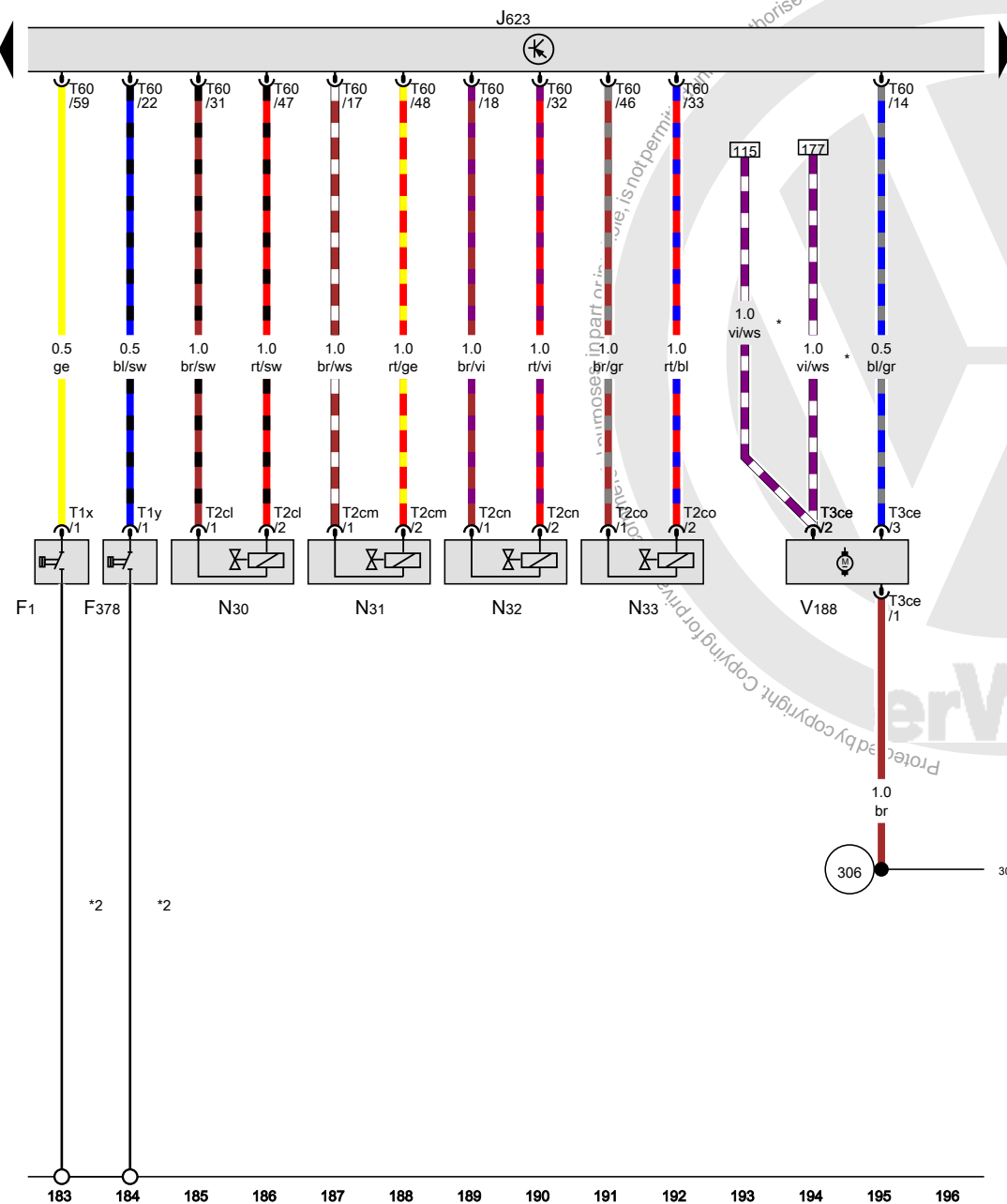
- G61 Knock sensor 1
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- T2cp 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

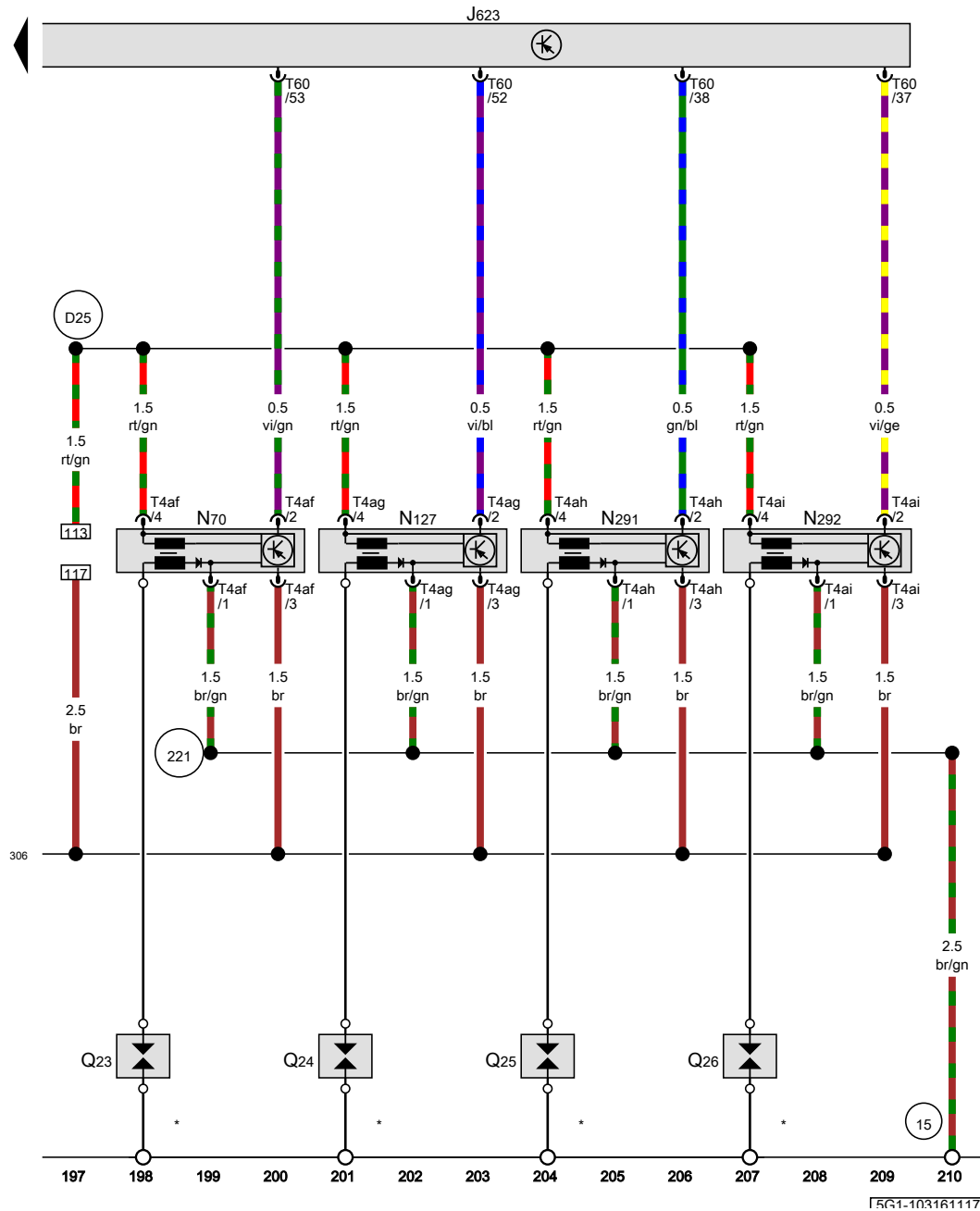
* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x 1-pin connector
- T1y 1-pin connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- * According to equipment
- *2 Earth supply via housing



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

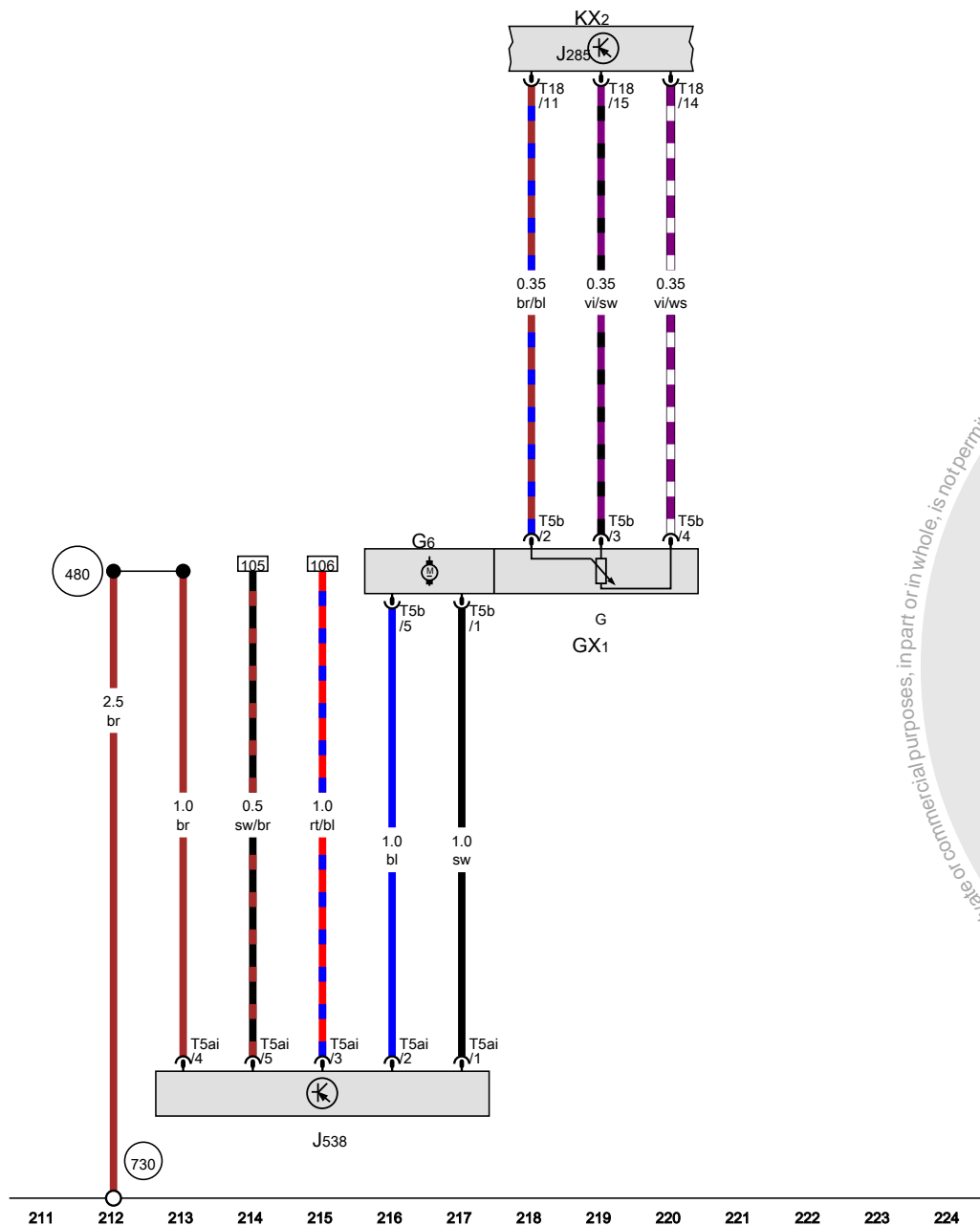
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

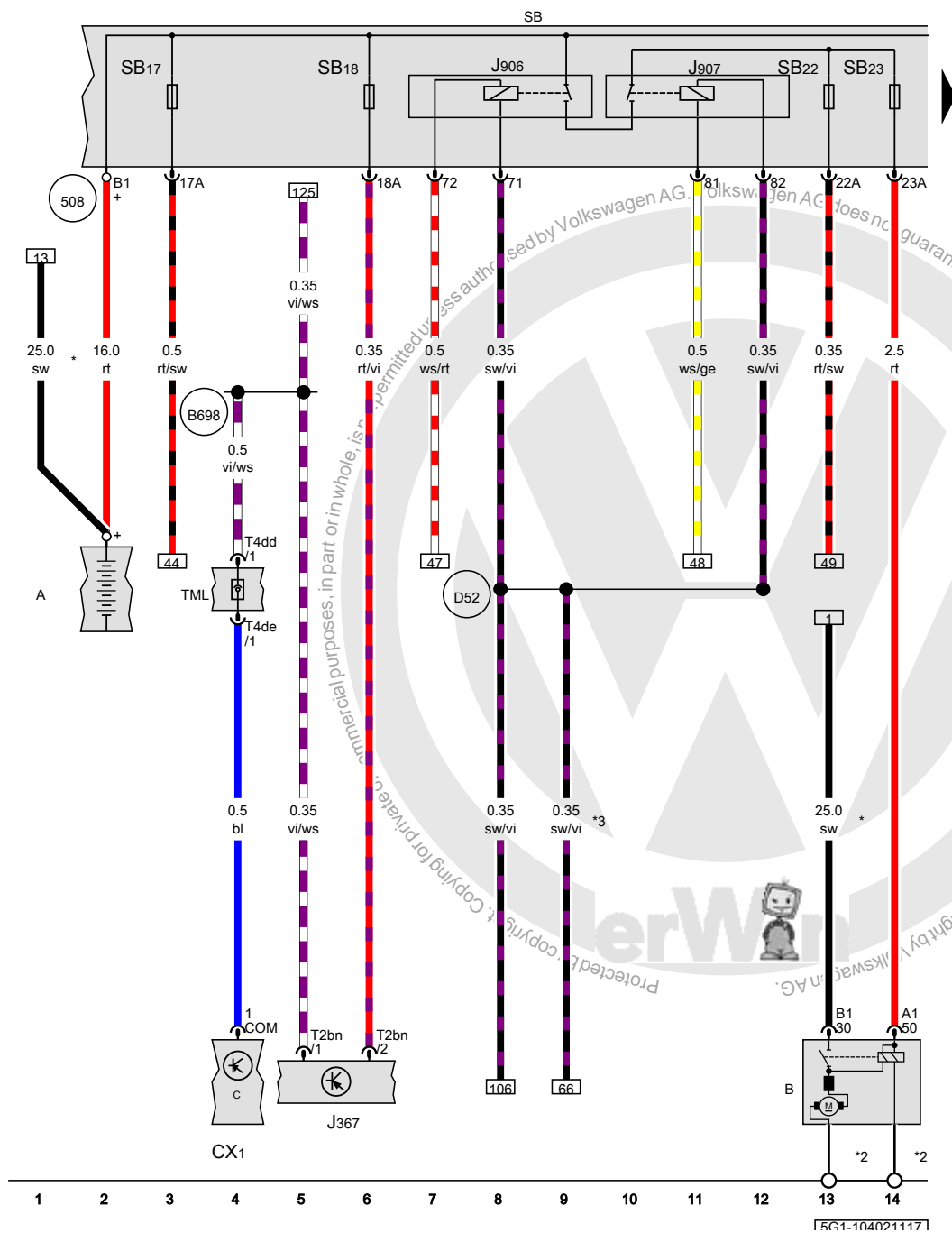


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.2l petrol engine , CJZA,CYVA,CYVB

From November 2015

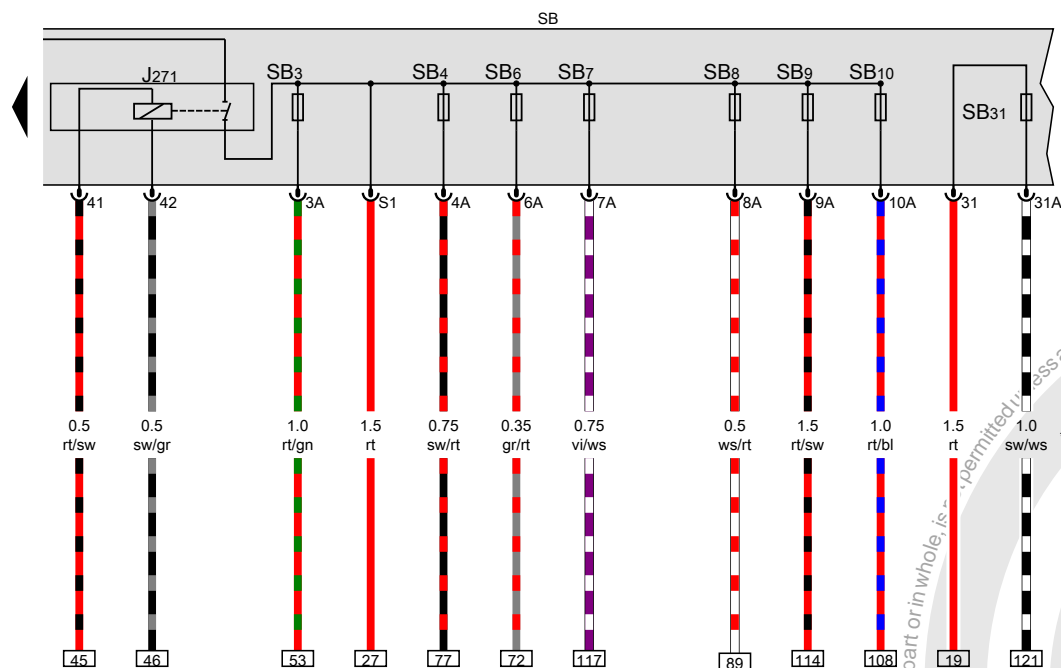




Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, yellow
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible
- *2 Earth supply via housing
- *3 For models with manual gearbox



Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- * For models with equipment for Japan

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

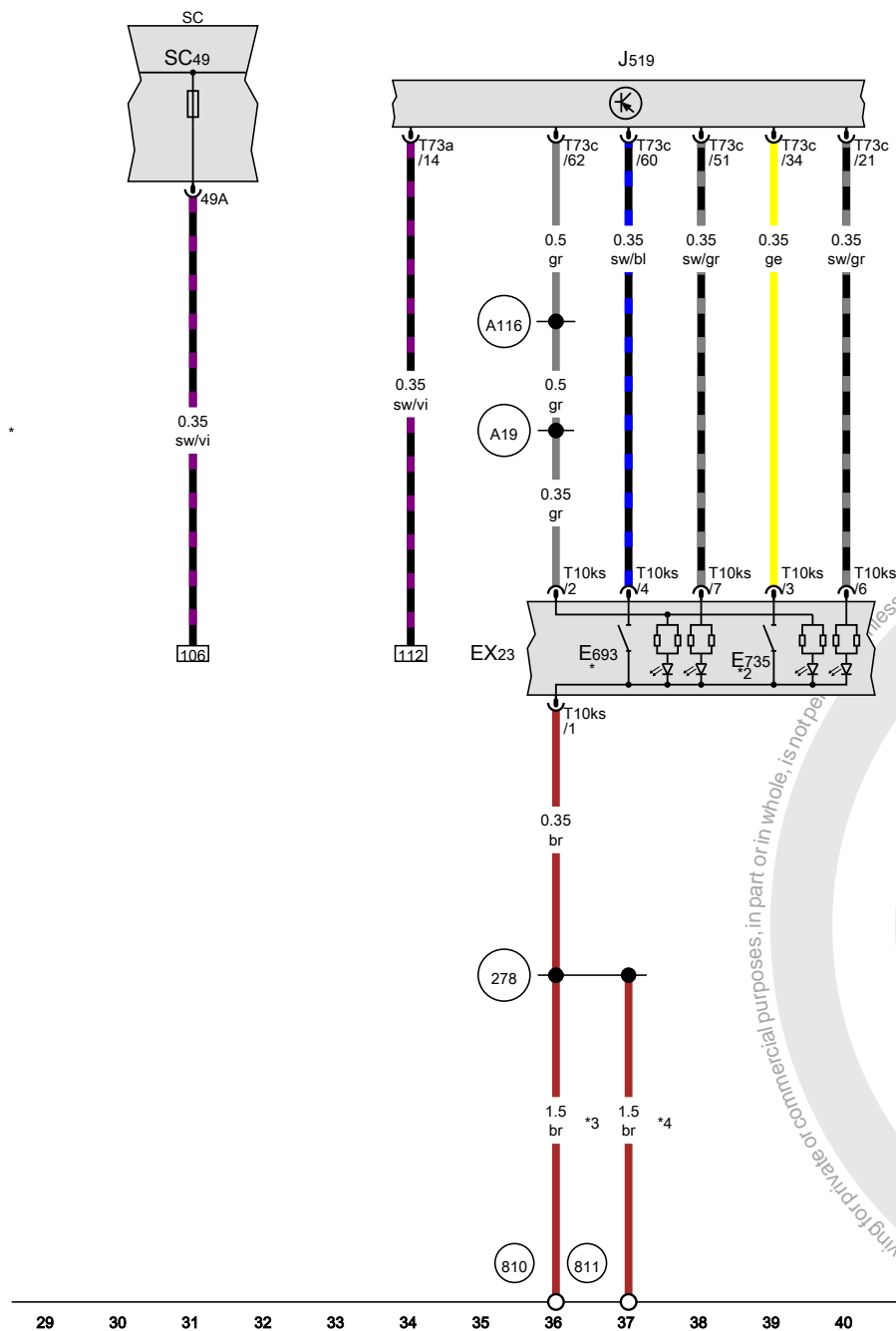
Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J519 Onboard supply control unit
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- ps = pink

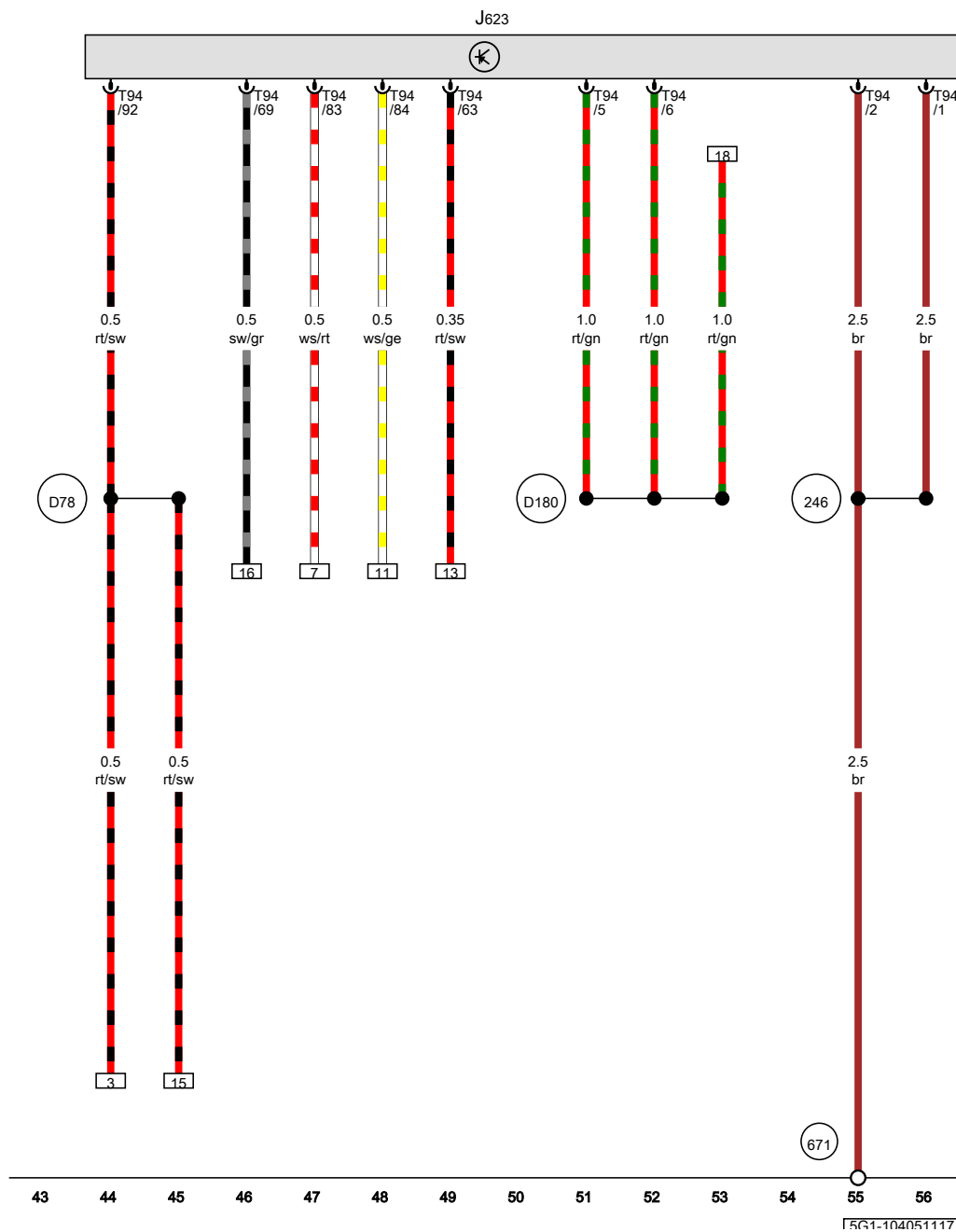


29 30 31 32 33 34 35 36 37 38 39 40 41 42

15G1-1040411171

Engine/motor control unit

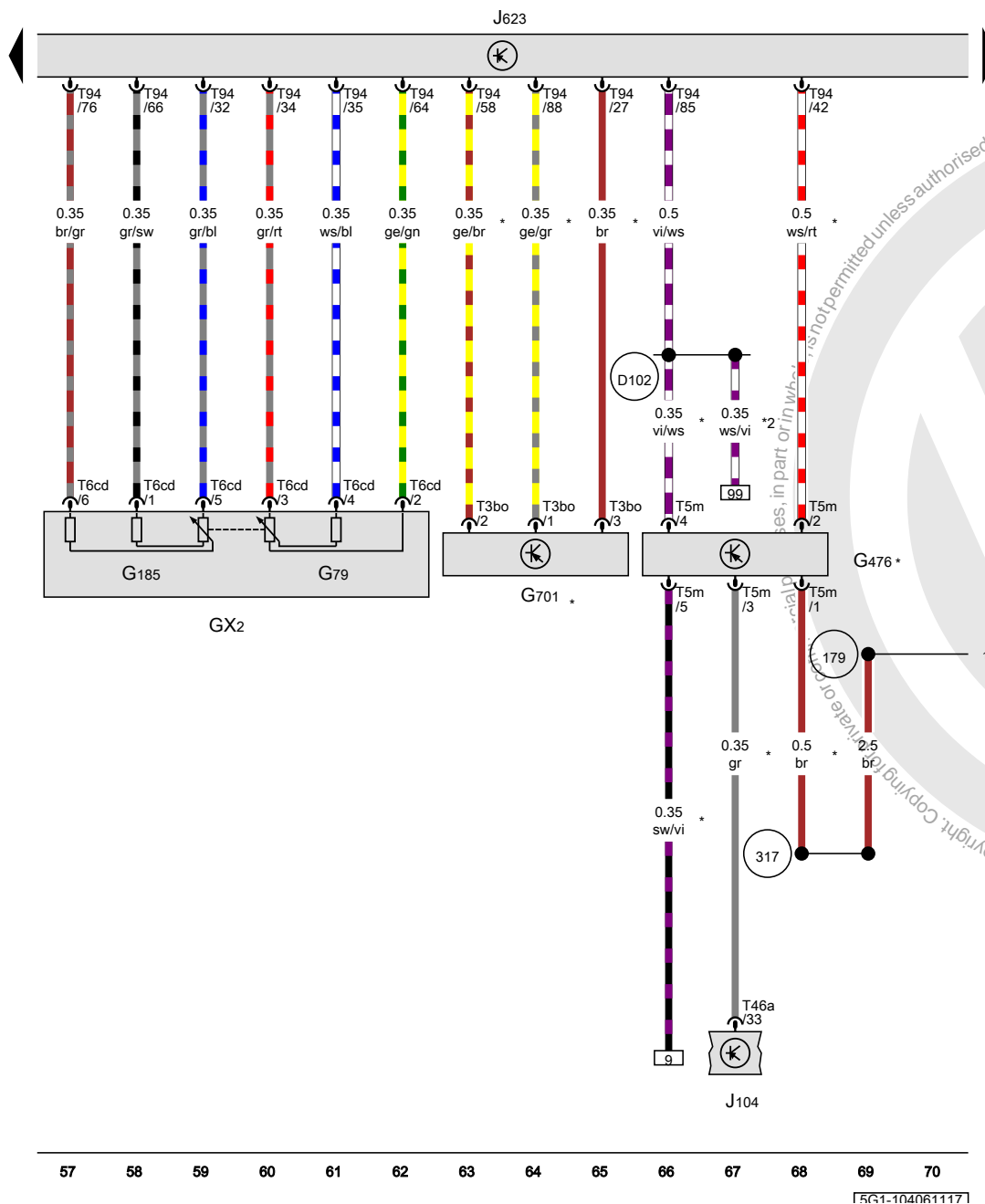
- J623 Engine/motor control unit
- T94 94-pin connector, black
- 246 Earth connection (control unit), in engine wiring harness
- 671 Earth point 1, on front of left longitudinal member
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[551-104051117]

Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit

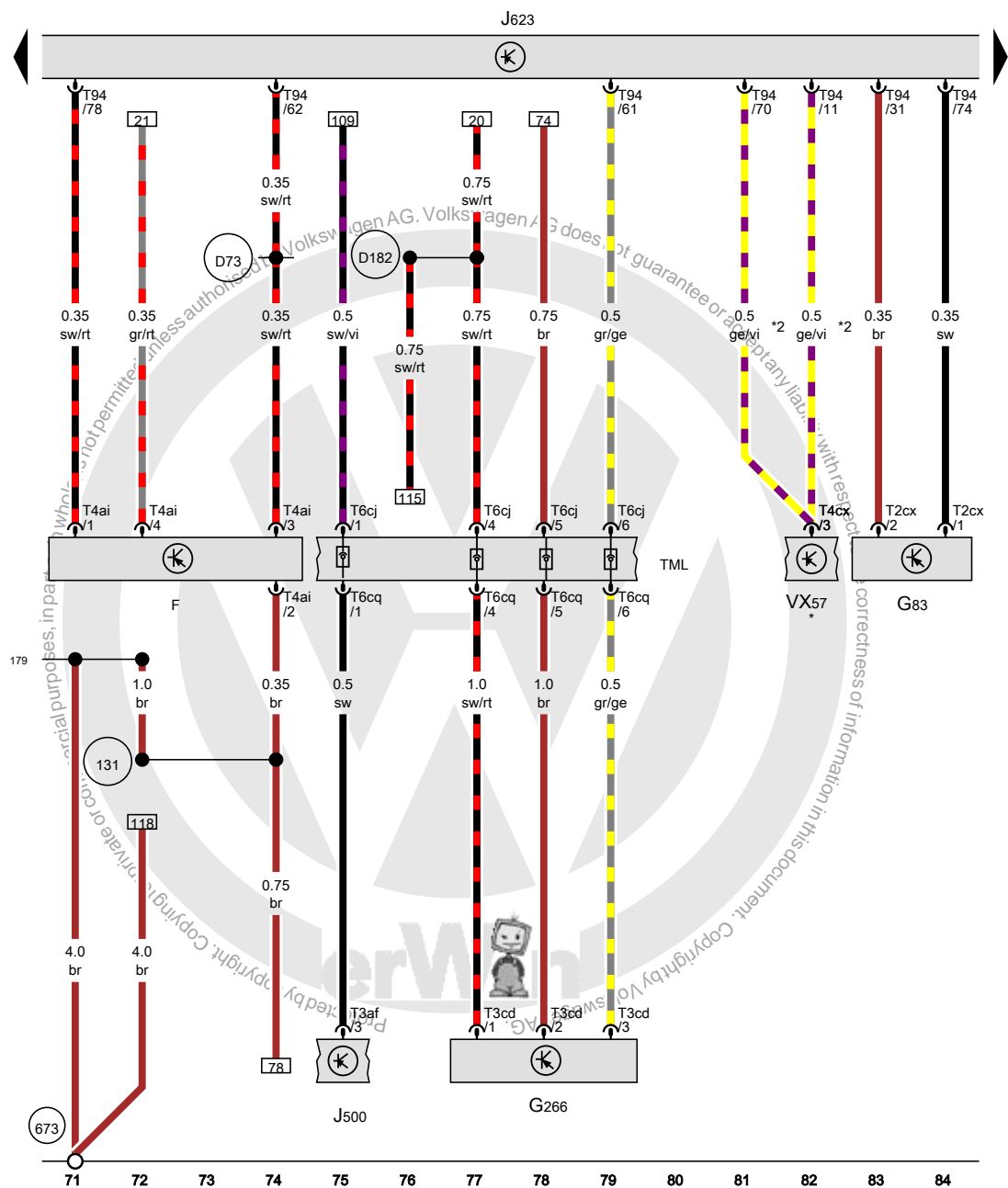


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector, brown
- T5m 5-pin connector, black
- T6cd 6-pin connector, black
- T46a 46-pin connector, black
- T94 94-pin connector, black

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with dual clutch gearbox (DSG)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

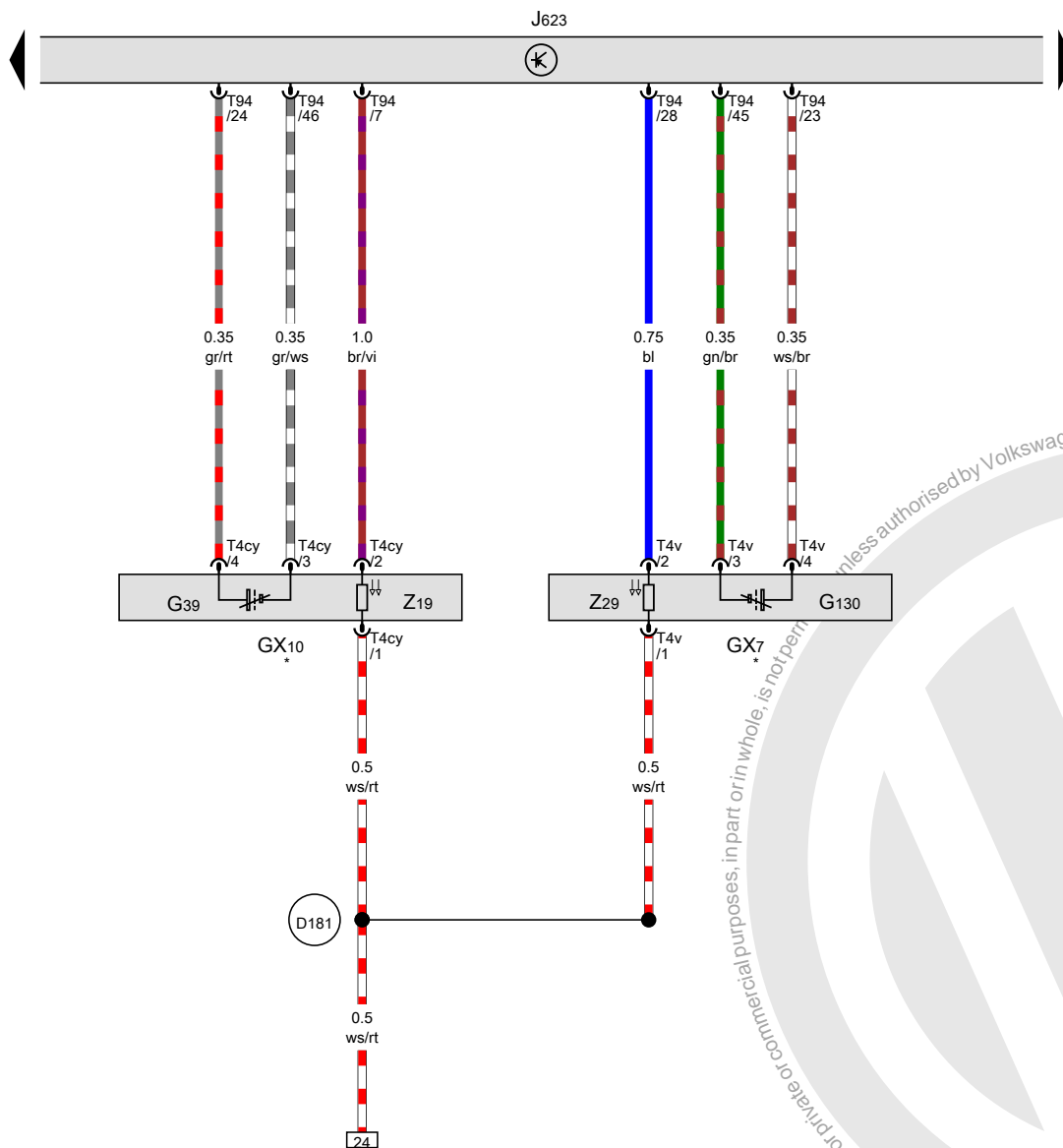


Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector, black
- T3af 3-pin connector, black
- T3cd 3-pin connector, black
- T4ai 4-pin connector, black
- T4cx 4-pin connector, black
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

15G1-104071117



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit

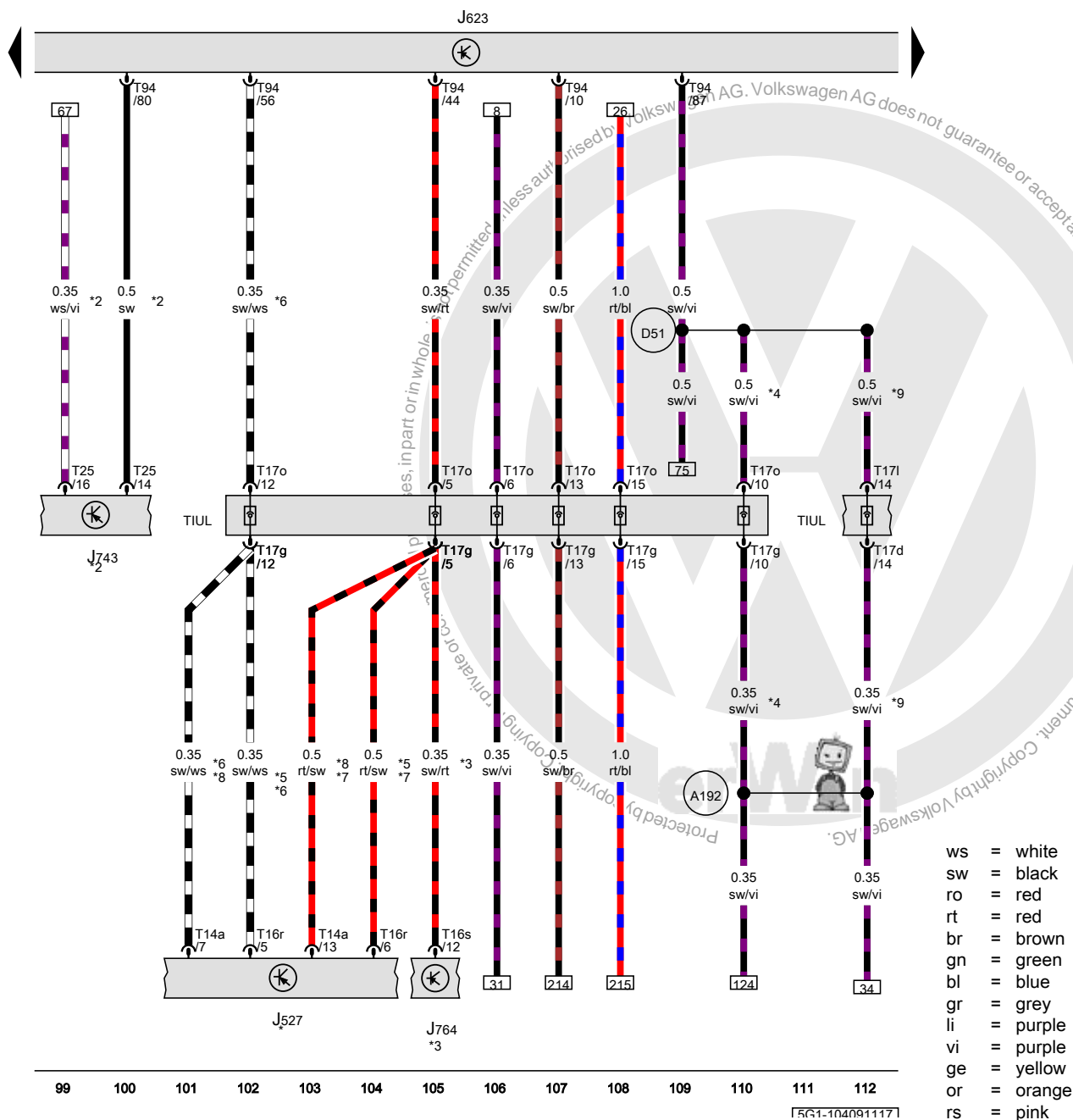
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T4cy 4-pin connector, brown
- T4v 4-pin connector, black
- T94 94-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

* Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Steering column electronics control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox



- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- T25 25-pin connector, black
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with dual clutch gearbox (DSG)
- *3 For models with entry and start authorisation
- *4 Up to November 2017
- *5 For models with no heated steering wheel
- *6 For models with cruise control system (CCS)
- *7 For models with no entry and start authorisation
- *8 For models with heated steering wheel
- *9 From November 2017

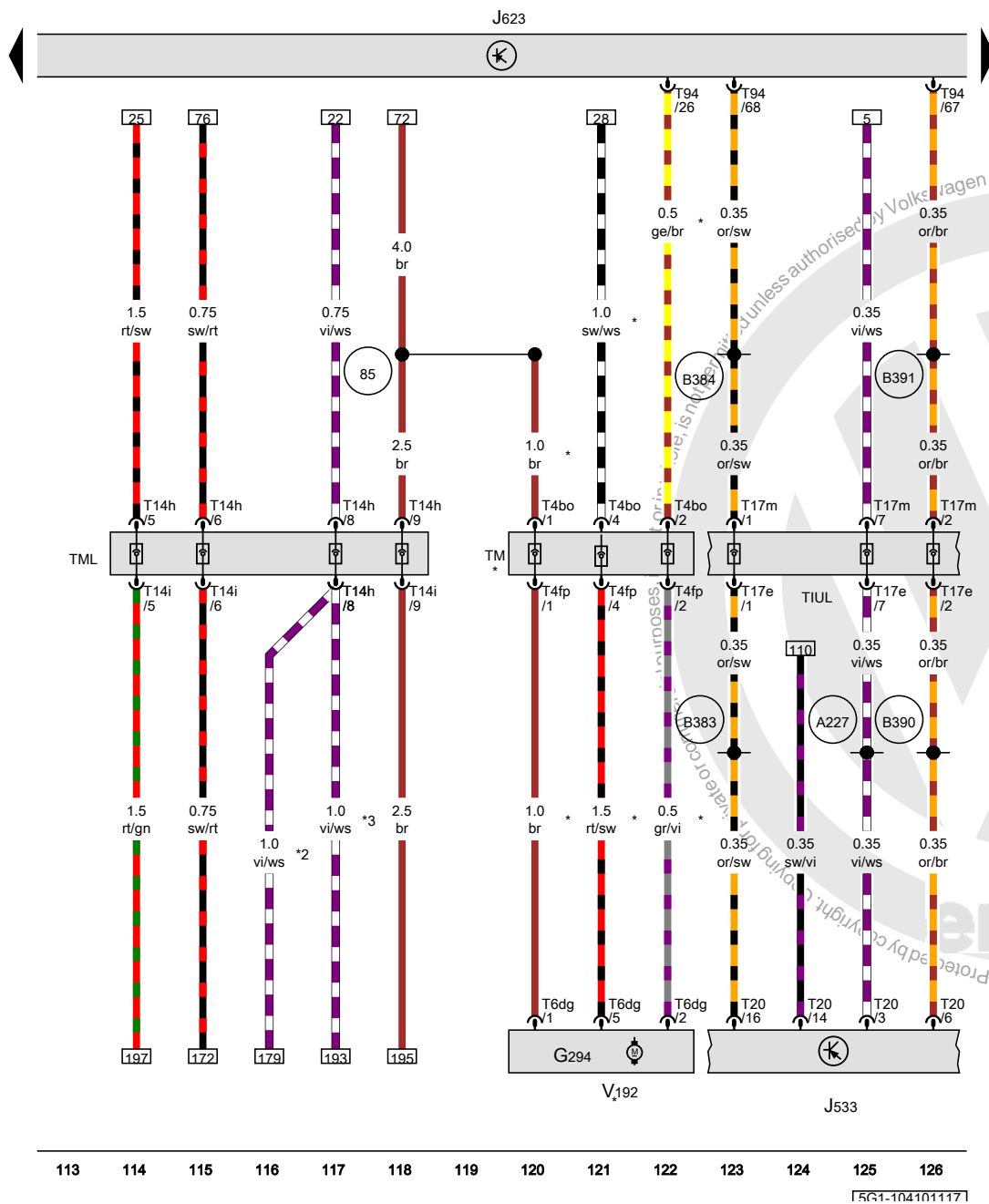
Data bus diagnostic interface, Engine/motor control unit,
Coupling point in engine compartment, Vacuum pump for brakes

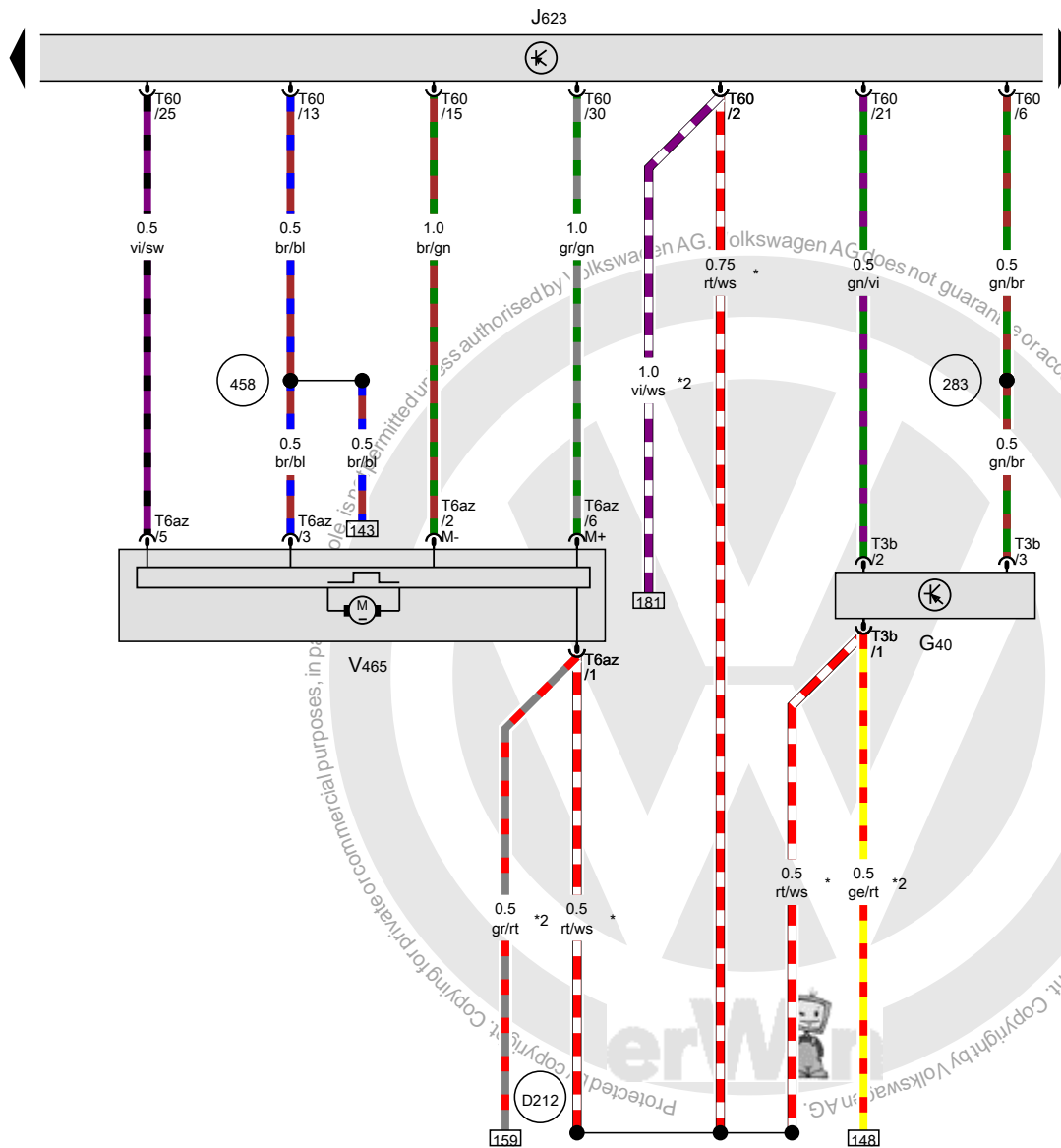
- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

- * For models with equipment for Japan
- *2 Not for models with Euro 6 plus emission standard
- *3 For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

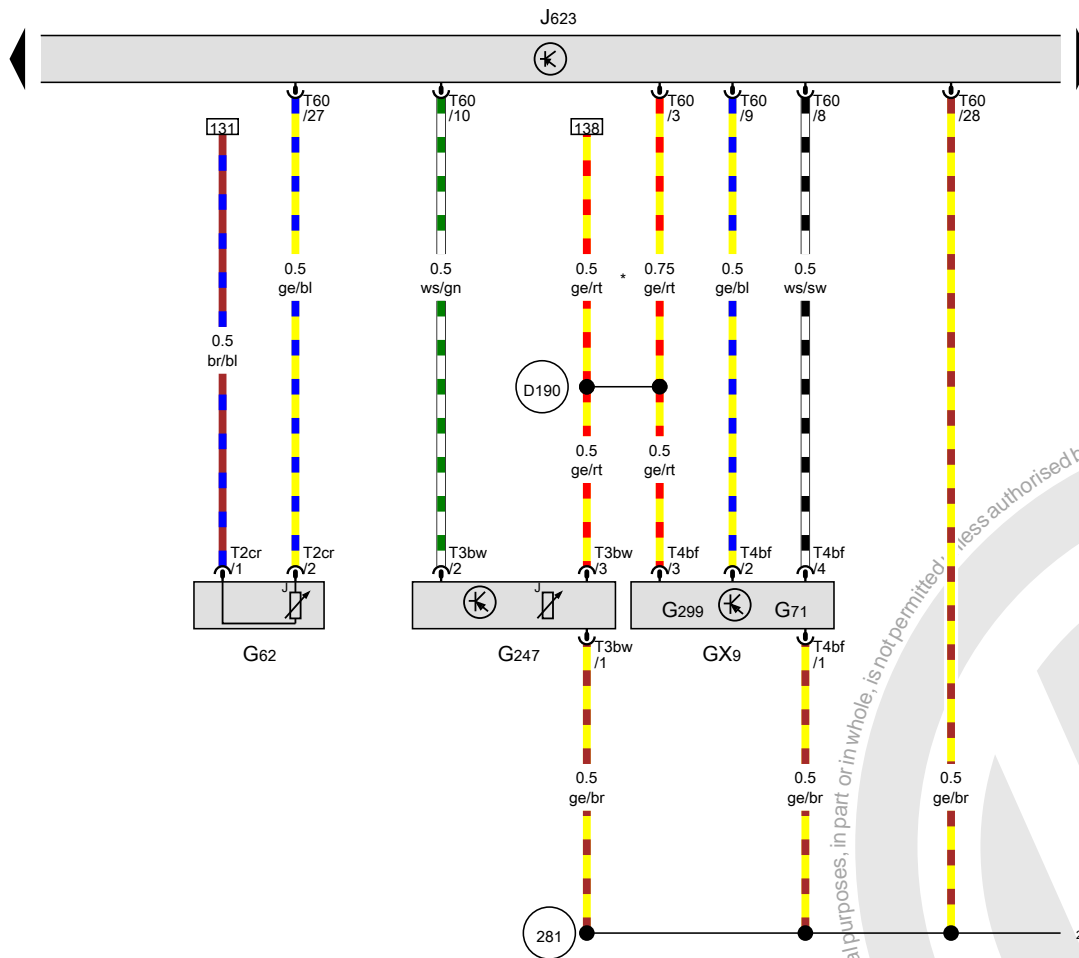




Hall sender, Engine/motor control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T6az 6-pin connector, grey
- T60 60-pin connector, black
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * Not for models with Euro 6 plus emission standard
- *2 For models with Euro 6 plus emission standard

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Intake manifold sender, Coolant temperature sender, Fuel pressure sender, Engine/motor control unit

- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J623 Engine/motor control unit
- T2cr 2-pin connector, black
- T3bw 3-pin connector, black
- T4bf 4-pin connector, black
- T60 60-pin connector, black

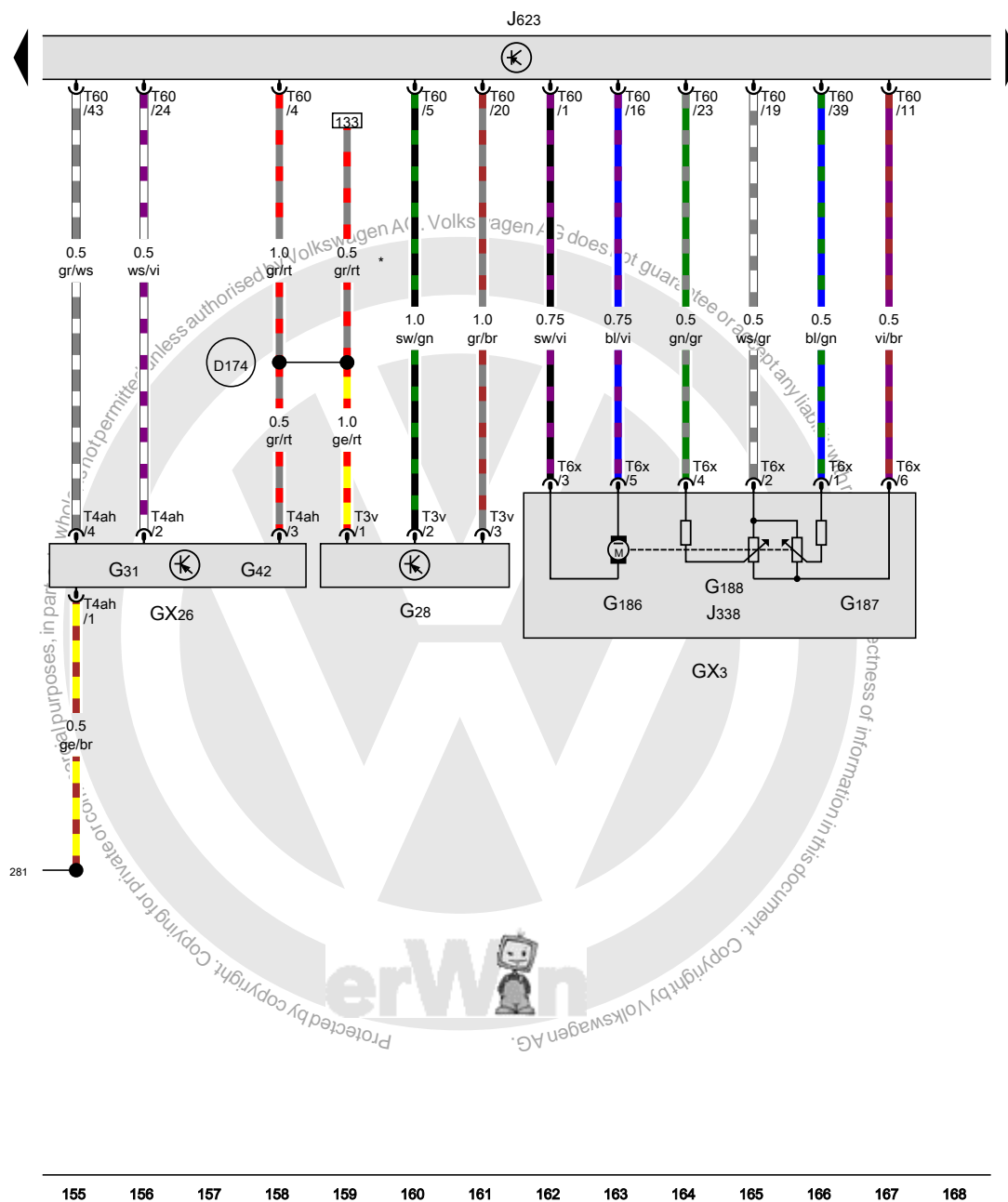
281 Earth point 1, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

* For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Throttle valve module, Charge pressure sender, Engine speed sender, Intake air temperature sender, Engine/motor control unit

- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3v 3-pin connector, brown
- T4ah 4-pin connector, black
- T6x 6-pin connector, black
- T60 60-pin connector, black

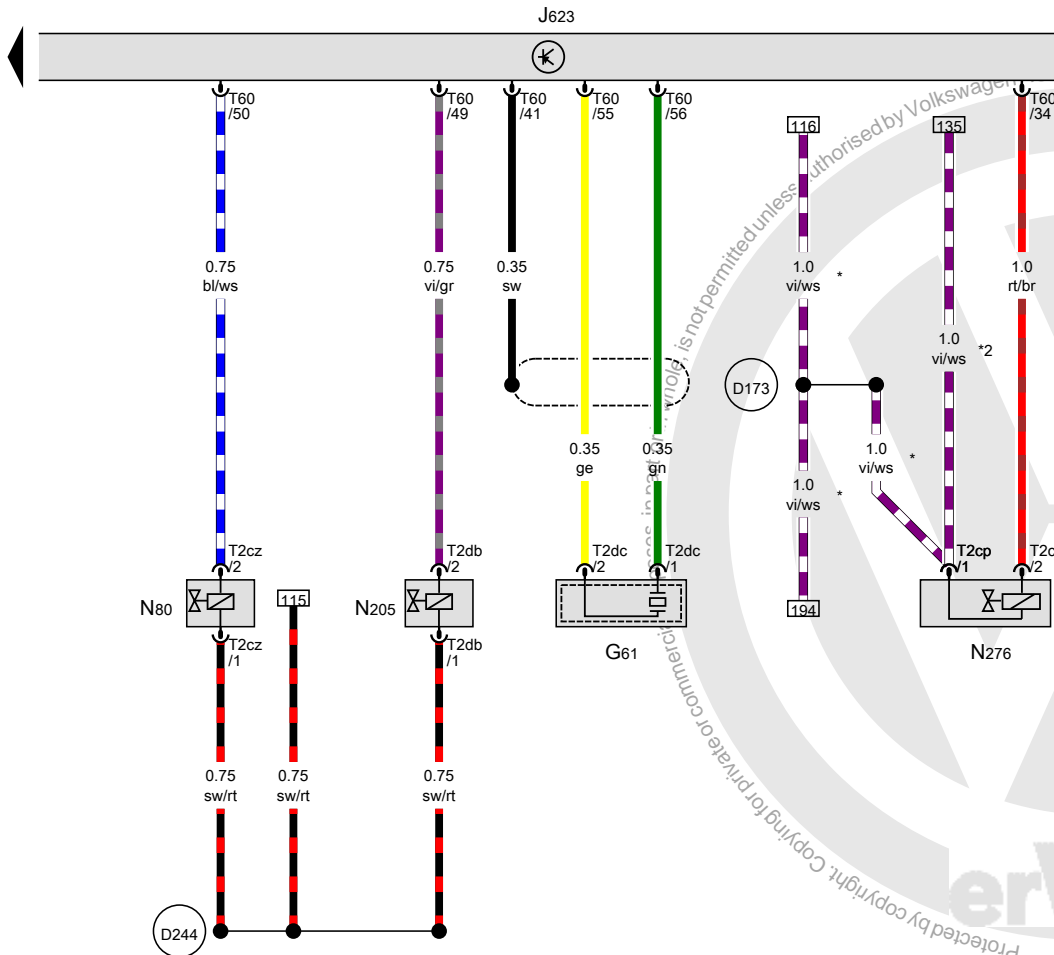
281 Earth point 1, engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

* For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Knock sensor 1, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve



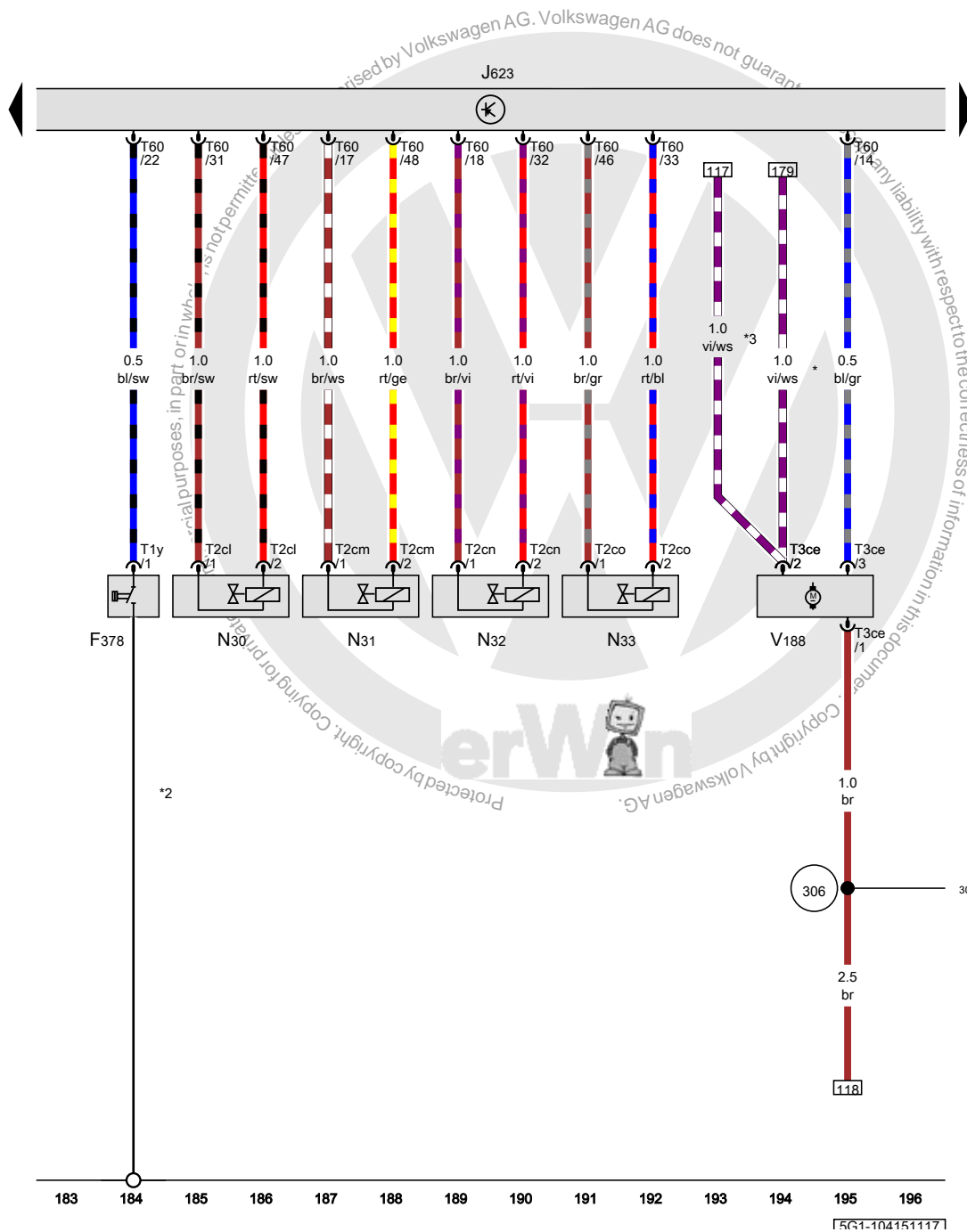
- G61 Knock sensor 1
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- T2cp 2-pin connector, yellow
- T2cz 2-pin connector, black
- T2db 2-pin connector, yellow
- T2dc 2-pin connector, black
- T60 60-pin connector, black

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

- * Not for models with Euro 6 plus emission standard
- *2 For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



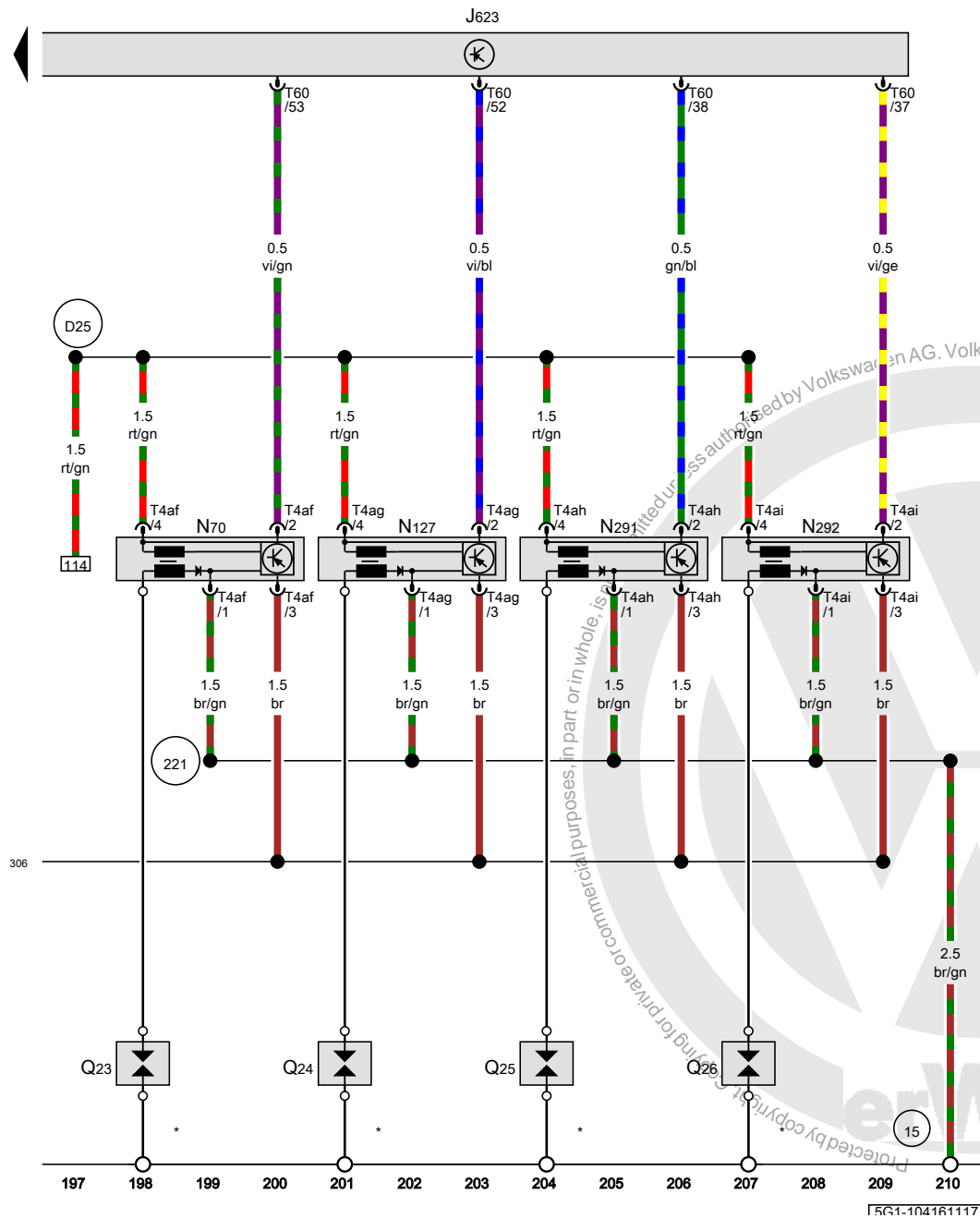
Oil pressure switch for reduced oil pressure, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1y 1-pin connector, black
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T3ce 3-pin connector, black
- T60 60-pin connector, black
- V188 Charge air cooling pump

306 Earth connection (ignition coils), in engine prewiring harness

- * Not for models with Euro 6 plus emission standard
- *2 Earth supply via housing
- *3 For models with Euro 6 plus emission standard

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T60 60-pin connector, black

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

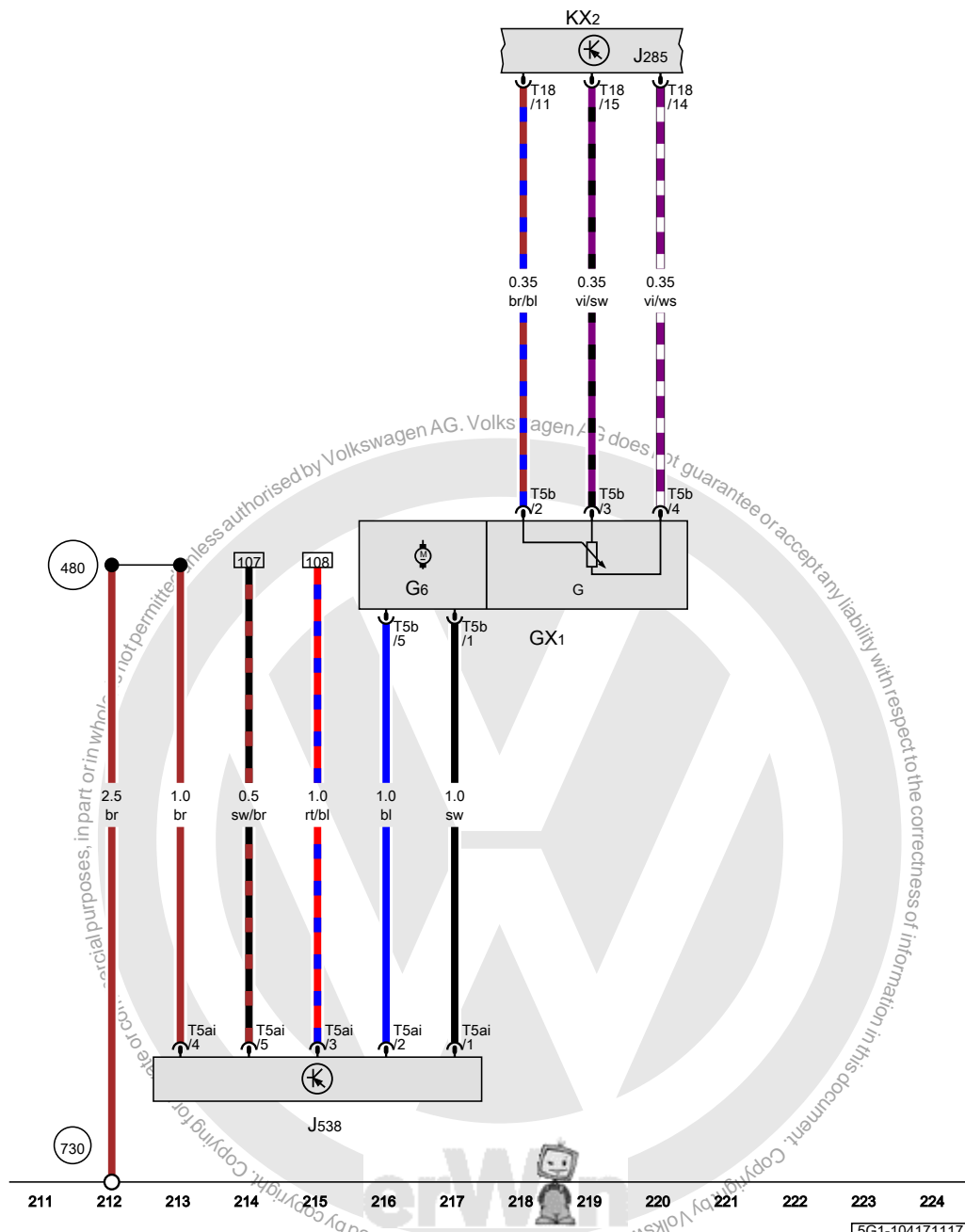
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector, black
- T5b 5-pin connector, black
- T18 18-pin connector, black

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing



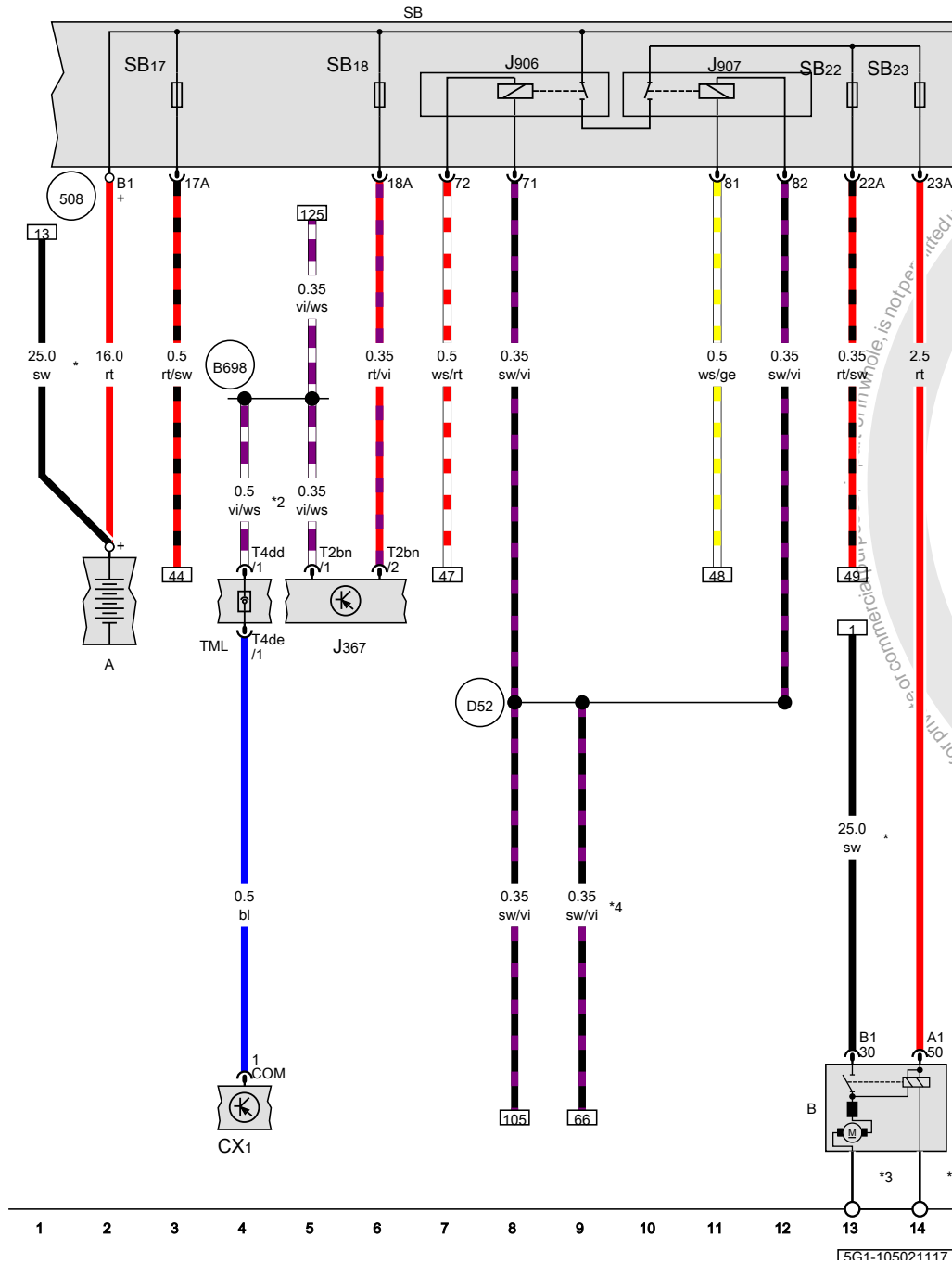
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.4l petrol engine , CPVB

From November 2015



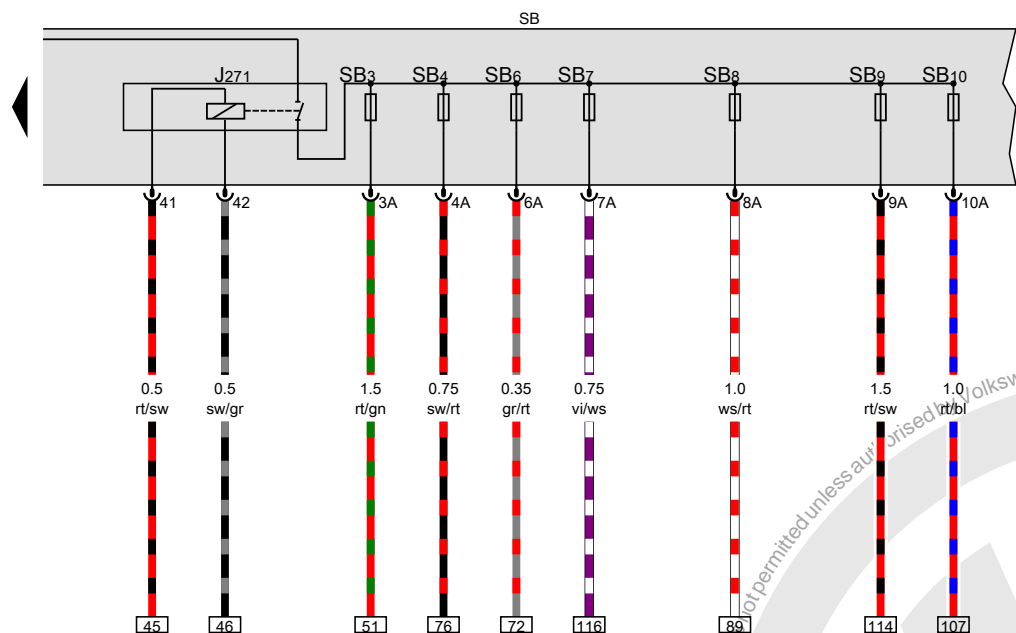
Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B



- | | |
|------|---|
| A | Battery |
| B | Starter |
| CX1 | Alternator with voltage regulator |
| J367 | Battery monitor control unit |
| J906 | Starter relay 1 |
| J907 | Starter relay 2 |
| SB | Fuse holder B |
| SB17 | Fuse 17 on fuse holder B |
| SB18 | Fuse 18 on fuse holder B |
| SB22 | Fuse 22 on fuse holder B |
| SB23 | Fuse 23 on fuse holder B |
| T2bn | 2-pin connector |
| T4dd | 4-pin connector, black |
| T4de | 4-pin connector, black |
| TML | Coupling point in engine compartment, left |
| 508 | Threaded connection (30) on E-box |
| B698 | Connection 3 (LIN bus) in main wiring harness |
| D52 | Positive connection (15a), in engine compartment wiring harness |
| * | Cross-section 35.0 possible |
| *2 | Cross section depends on equipment |
| *3 | Earth supply via housing |
| *4 | For models with manual gearbox |

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

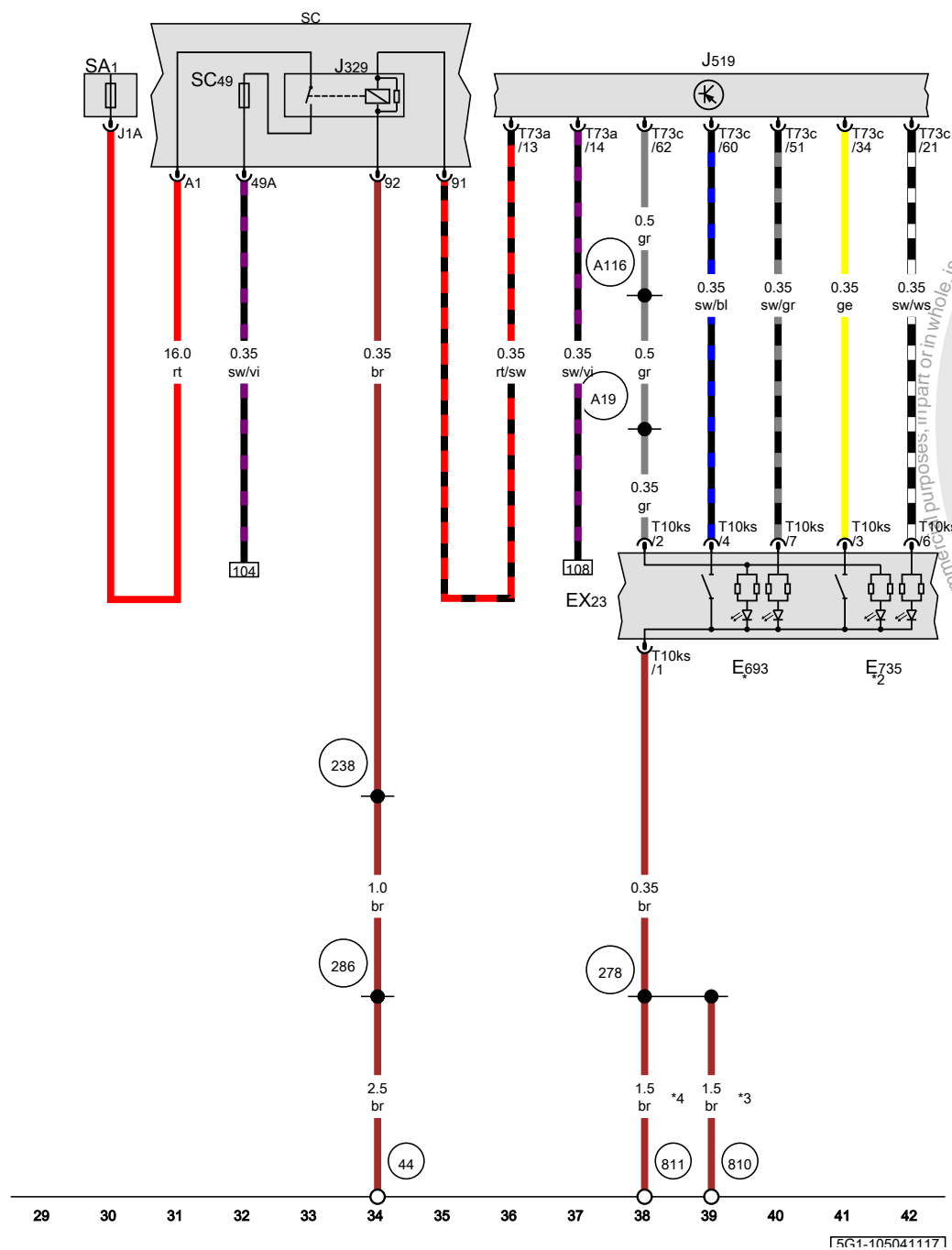
15G1-105021117



Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B

- ws = white
- sw = black
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

- ws = white
- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[5G1-105041117]

Engine/motor control unit

J623 Engine/motor control unit

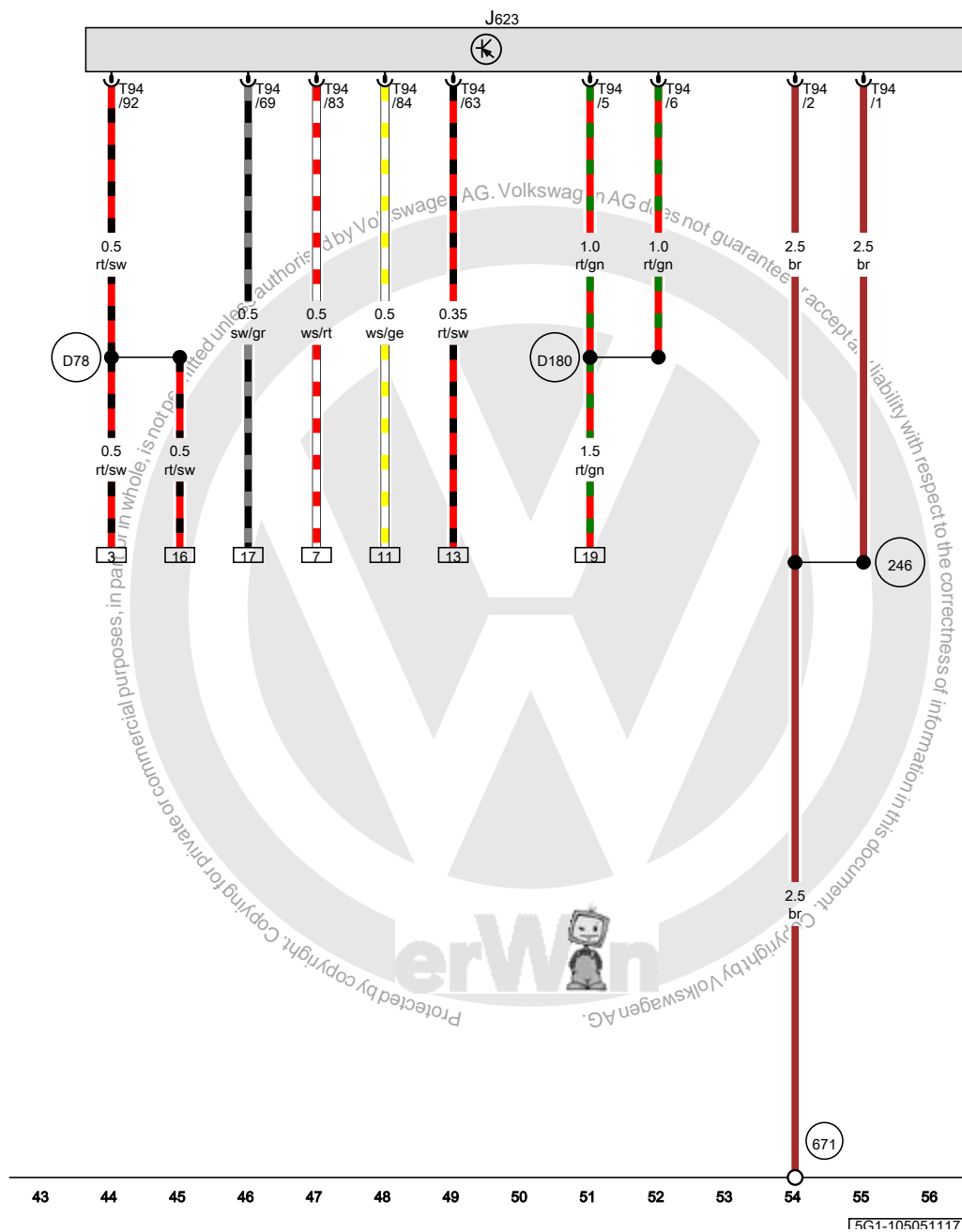
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

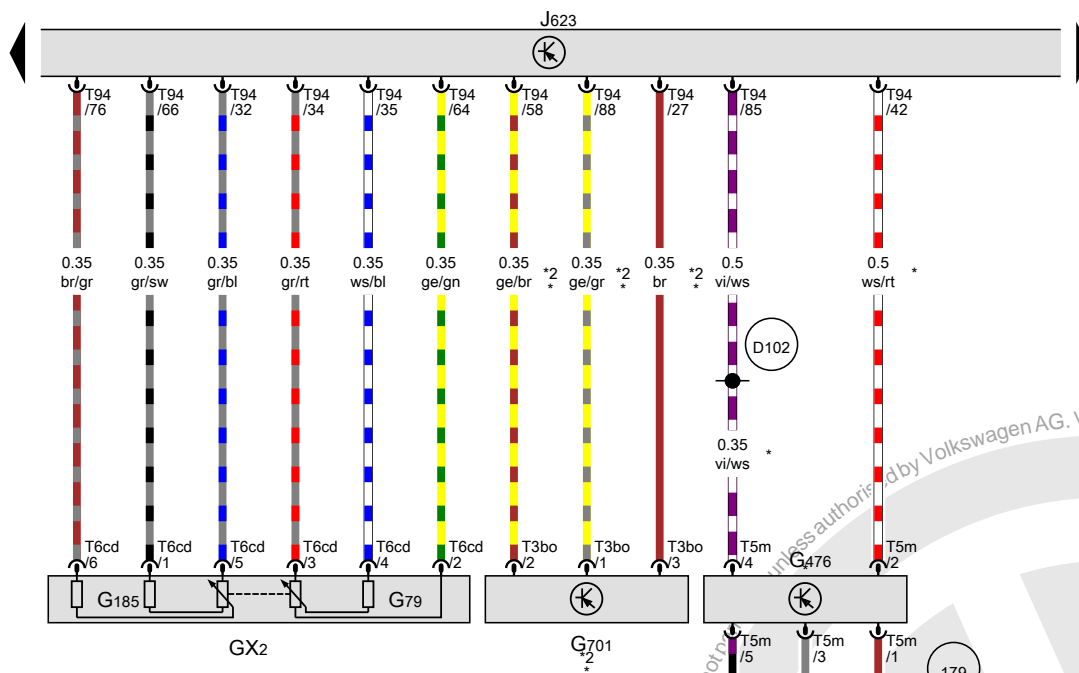
671 Earth point 1, on front of left longitudinal member

D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit

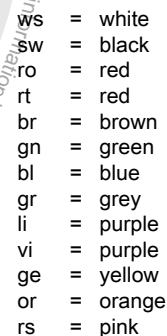


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

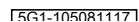
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

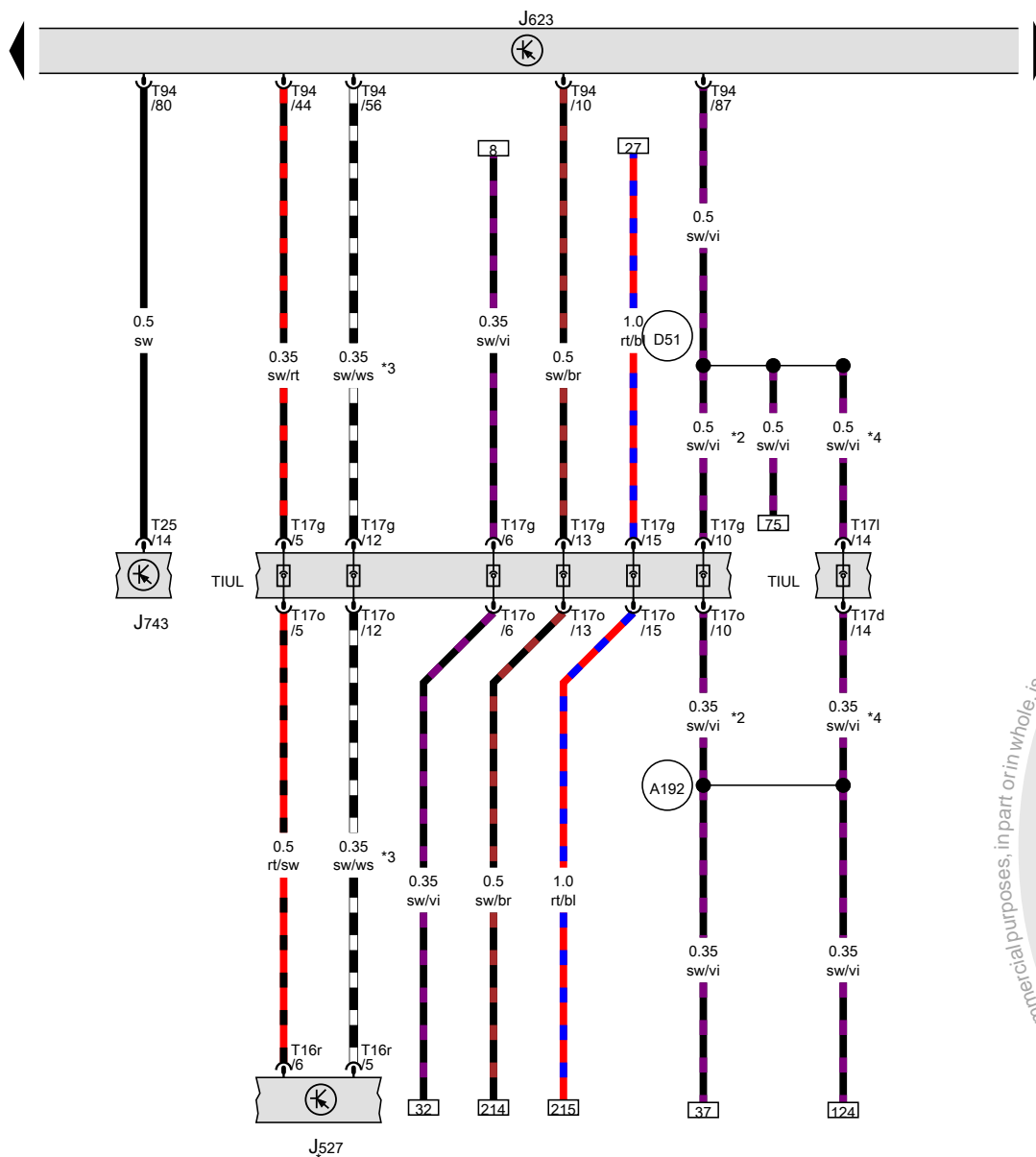


* Pre-wired component



129	Earth connection, in dual tone horn wiring harness
176	Earth connection, in right headlight wiring harness
685	Earth point 1, on front of right longitudinal member
D181	Connection 2 (87a), in engine compartment wiring harness
*	Pre-wired component

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Steering column electronics control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17i 17-pin connector, black
- T17o 17-pin connector, blue
- T25 25-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

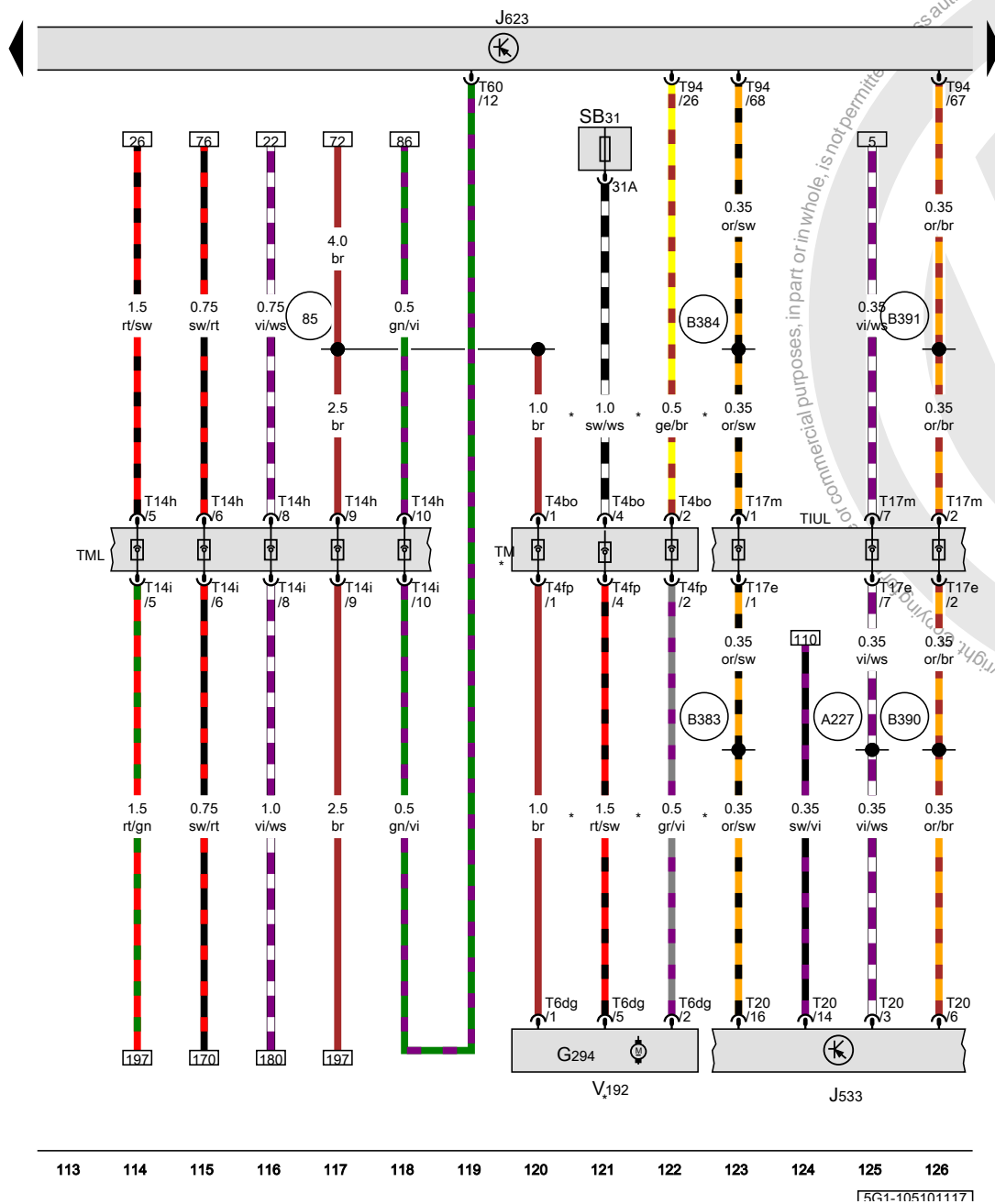
* see applicable current flow diagram

*2 Up to November 2017

*3 For models with cruise control system (CCS)

*4 From November 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Data bus diagnostic interface, Engine/motor control unit,
Coupling point in engine compartment, Vacuum pump for
brakes

- G294 Brake servo pressure sensor
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T60 60-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V192 Vacuum pump for brakes

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

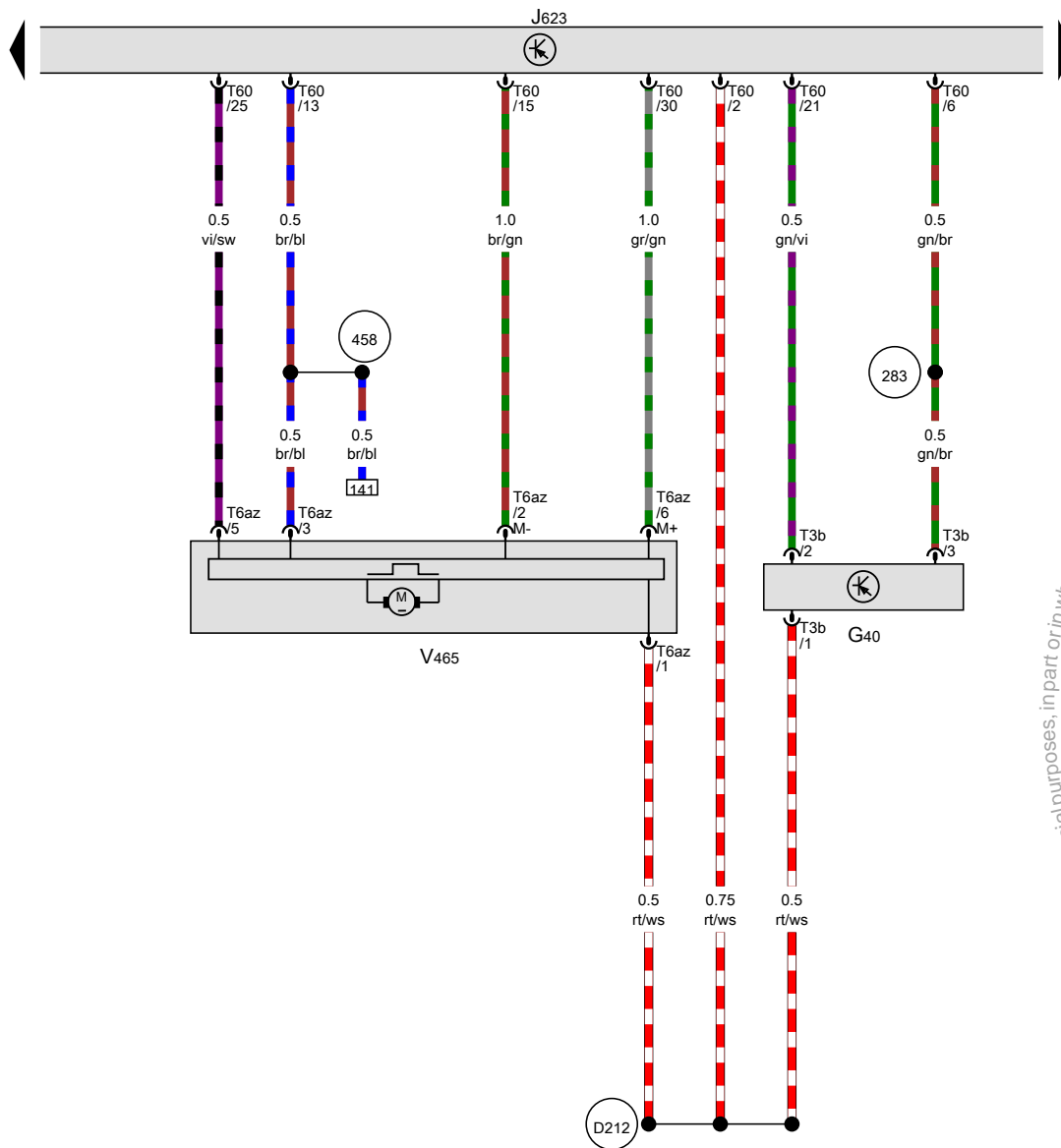
* For models with equipment for Japan

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
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- ge = yellow
- or = orange
- rs = pink

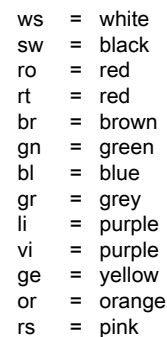
Hall sender, Engine/motor control unit, Charge pressure positioner

- G40 Hall sender
- J623 Engine/motor control unit
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

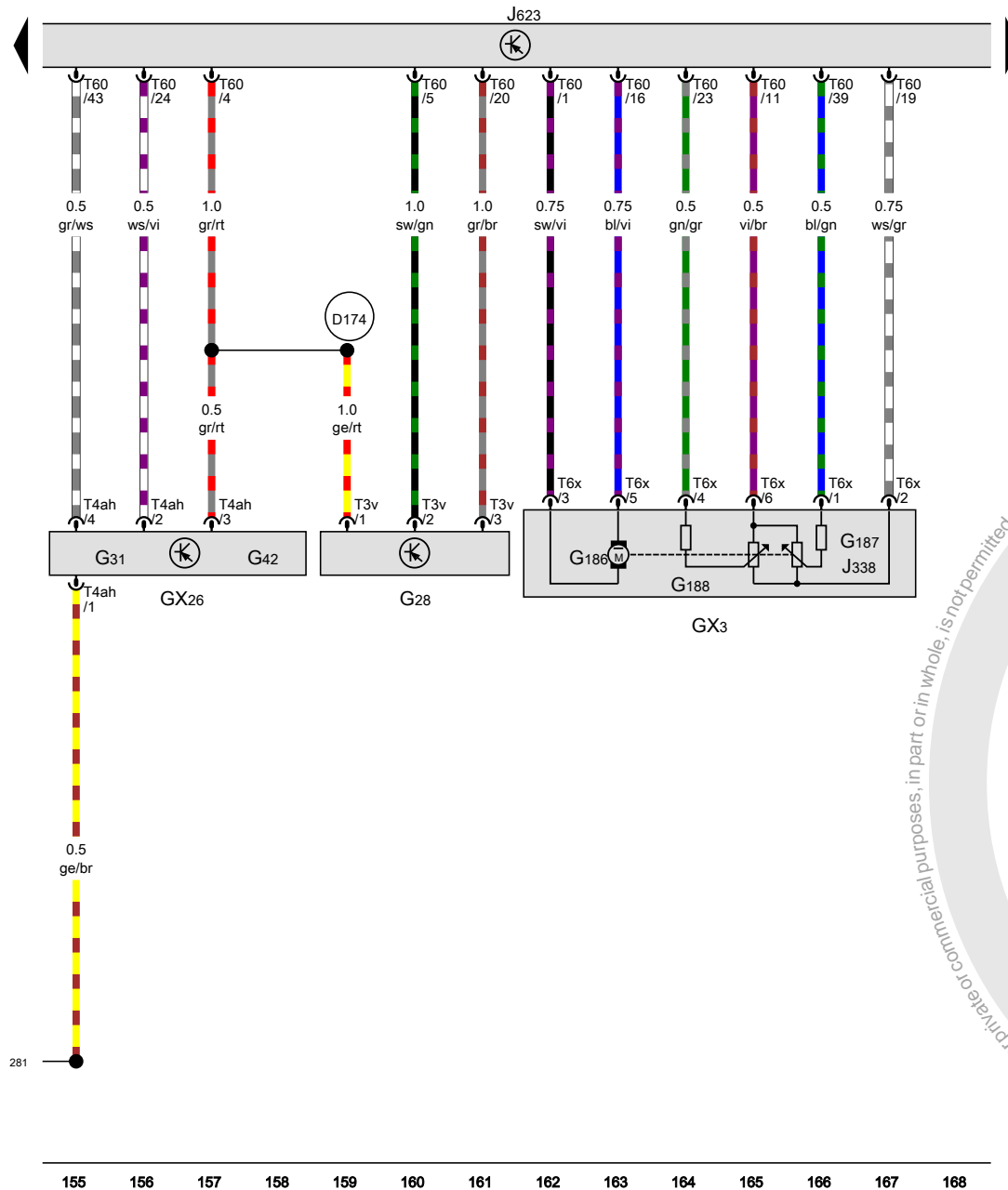
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



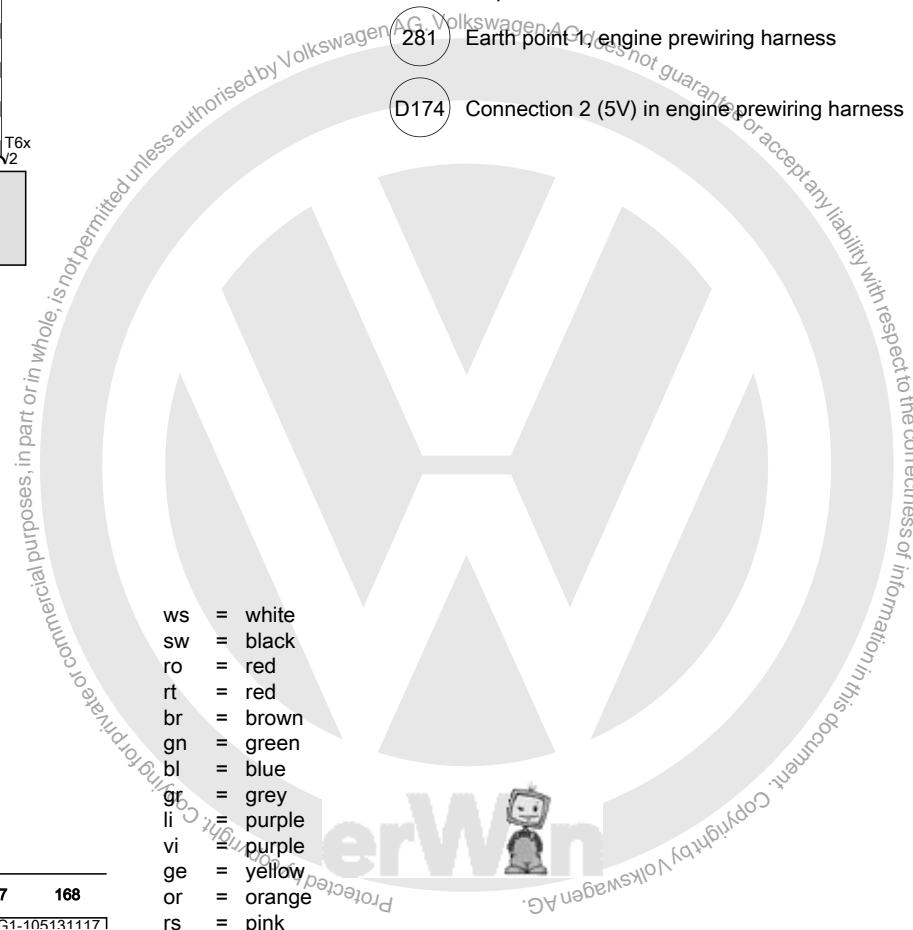
Throttle valve module, Engine speed sender, Charge pressure sender, Engine/motor control unit

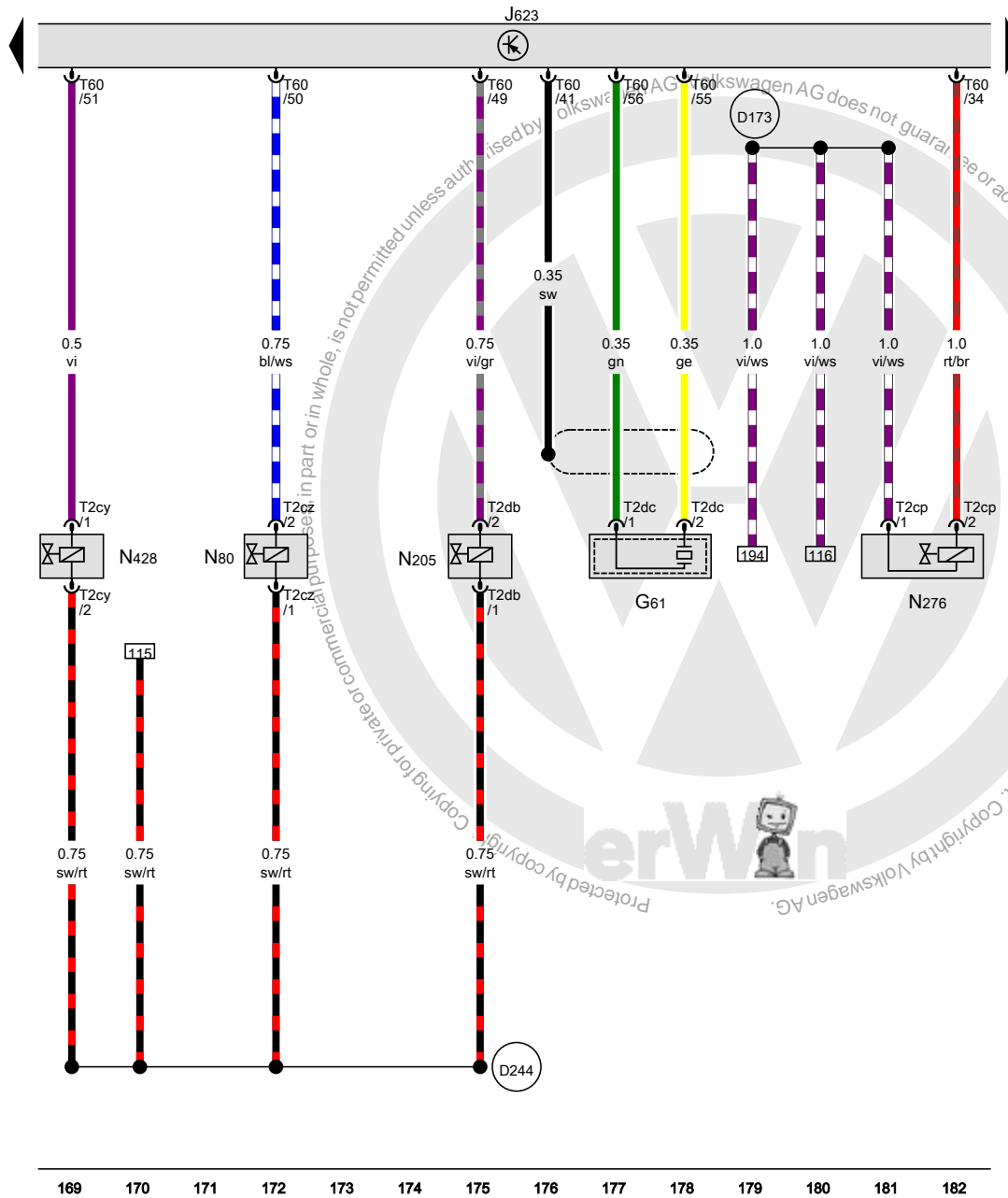


- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness





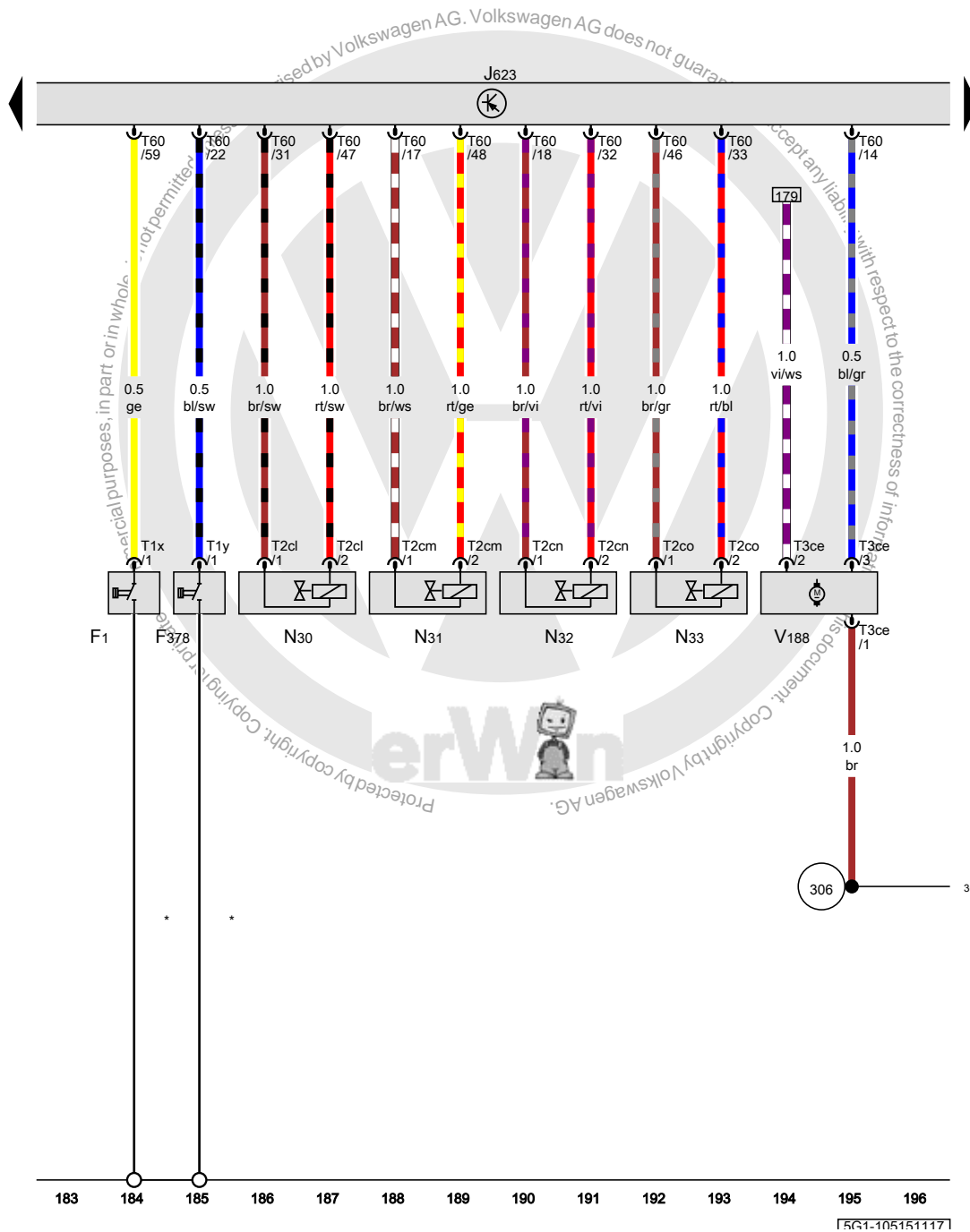
Knock sensor 1, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Valve for oil pressure control

- G61 Knock sensor 1
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2db 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector

D173 Connection (87), in engine prewiring harness

D244 Connection 5 (87a) in engine prewiring harness

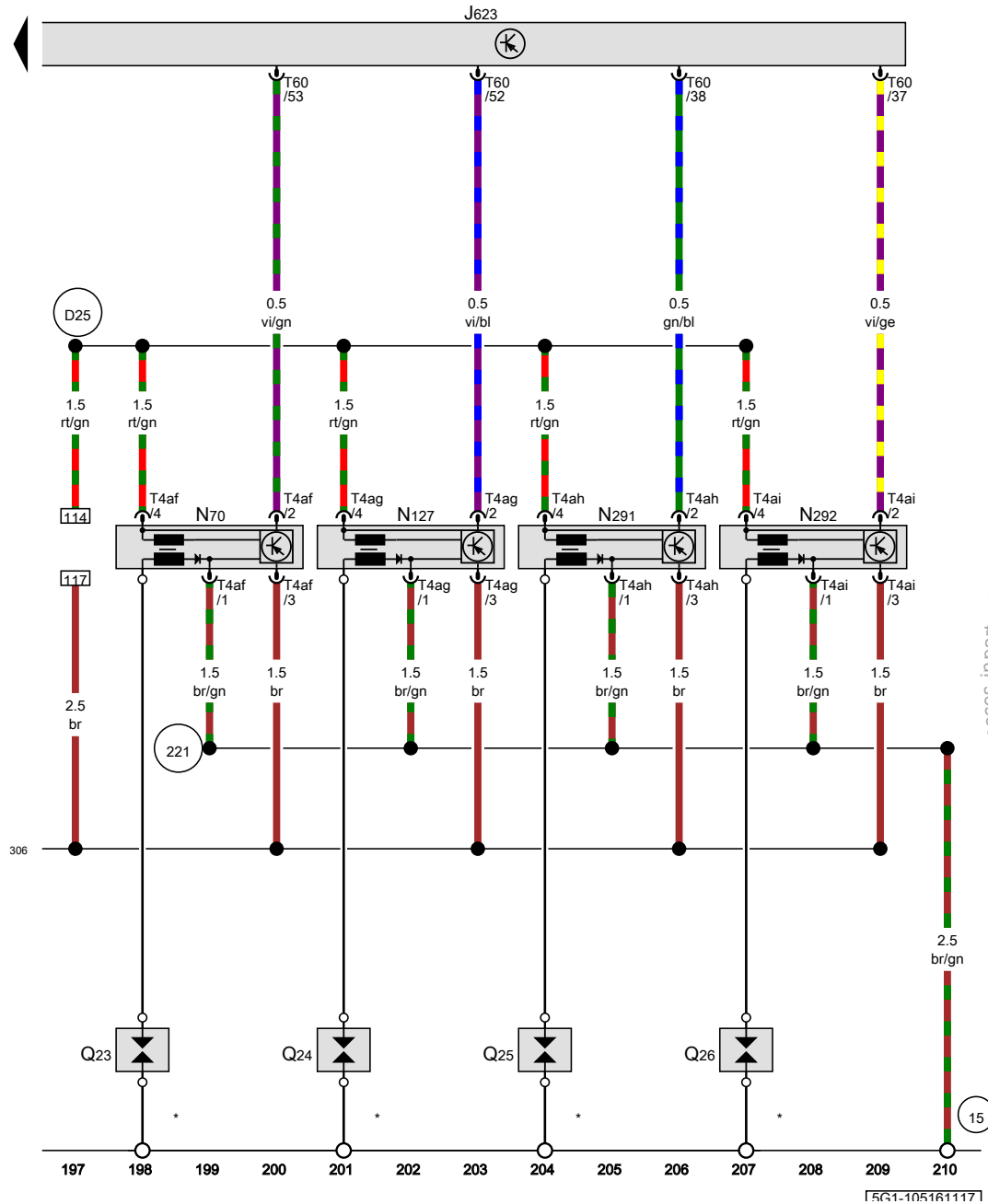
- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Charge air cooling pump

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x 1-pin connector
- T1y 1-pin connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T3ce 3-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- * Earth supply via housing

Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage



- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

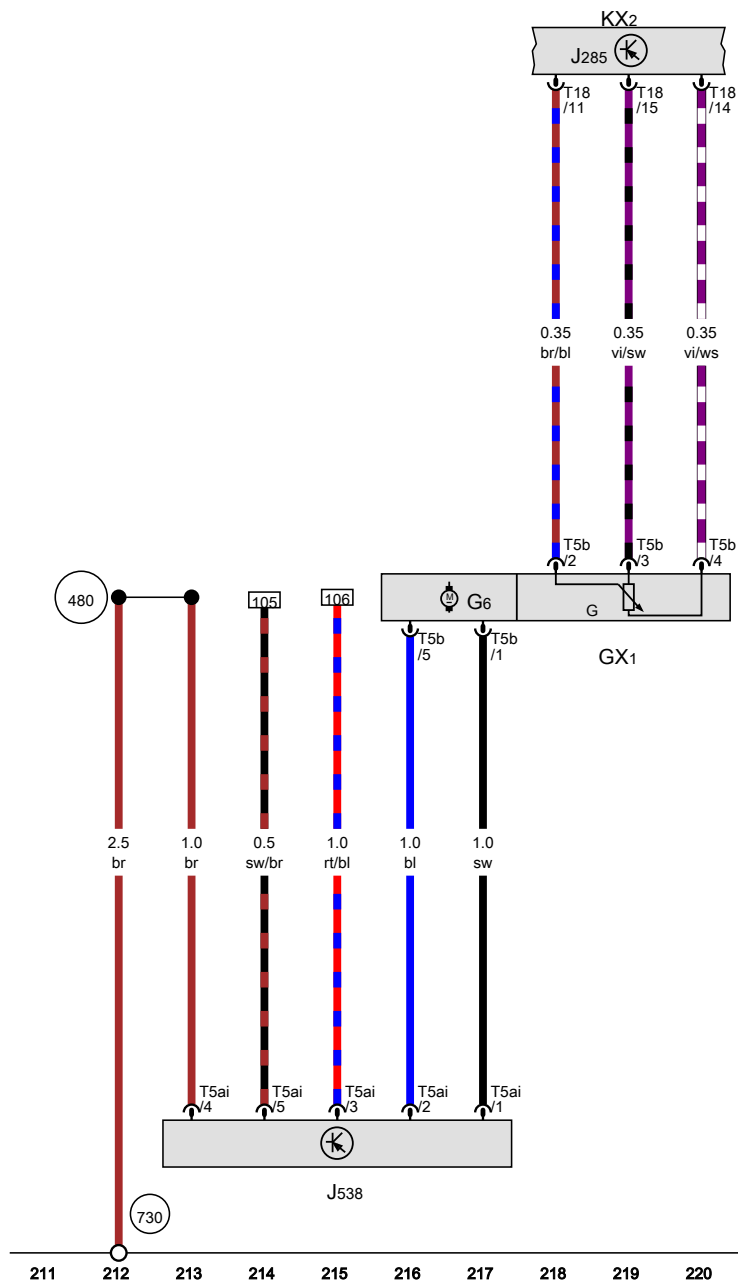
[5G1-105161117]

Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector

480 Earth connection, in fuel tank wiring harness

730 Earth point 1, on right rear wheel housing

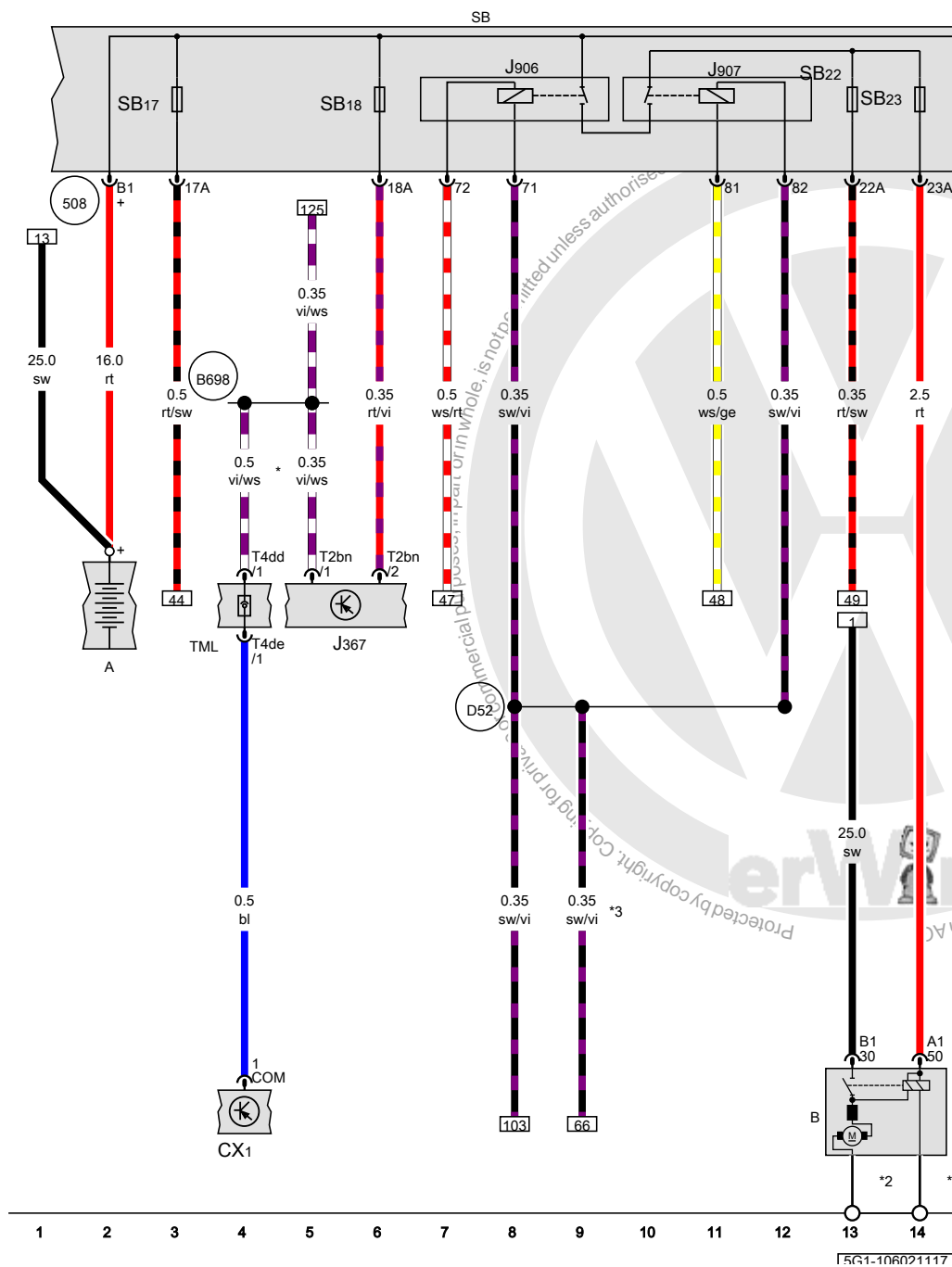


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.4l petrol engine , CPTA,CZEA

From November 2015



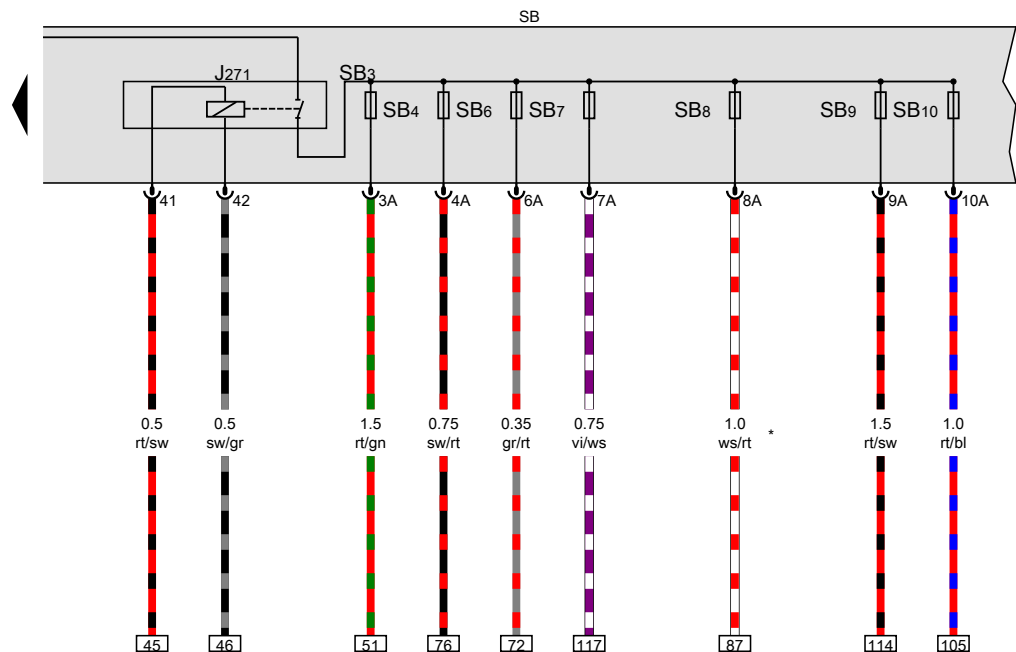


Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- TML Coupling point in engine compartment, left

- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- *1 Cross section depends on equipment
- *2 Earth supply via housing
- *3 For models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

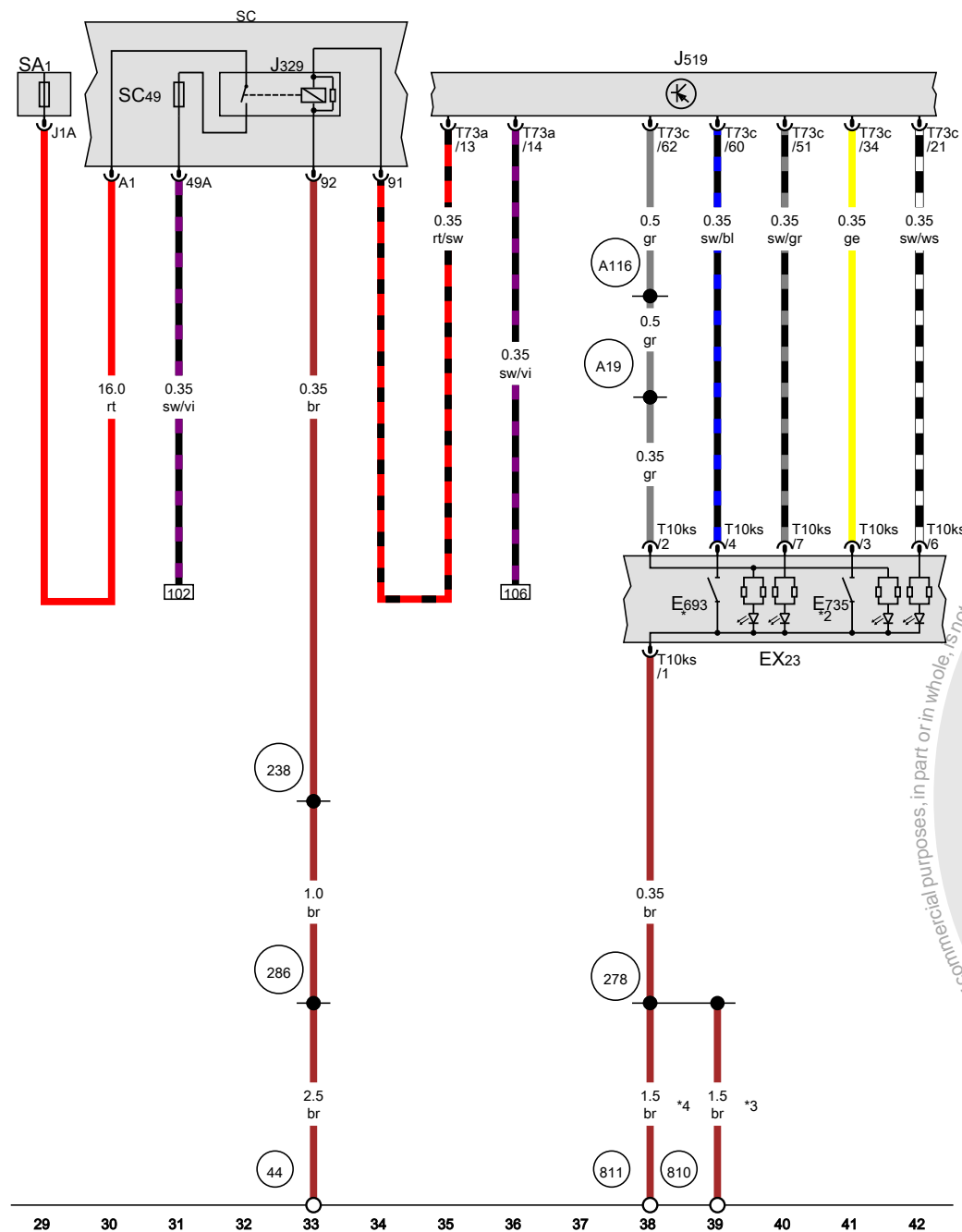


Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- * Cross section depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C



- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[5G1-106041117]

Engine/motor control unit

J623 Engine/motor control unit

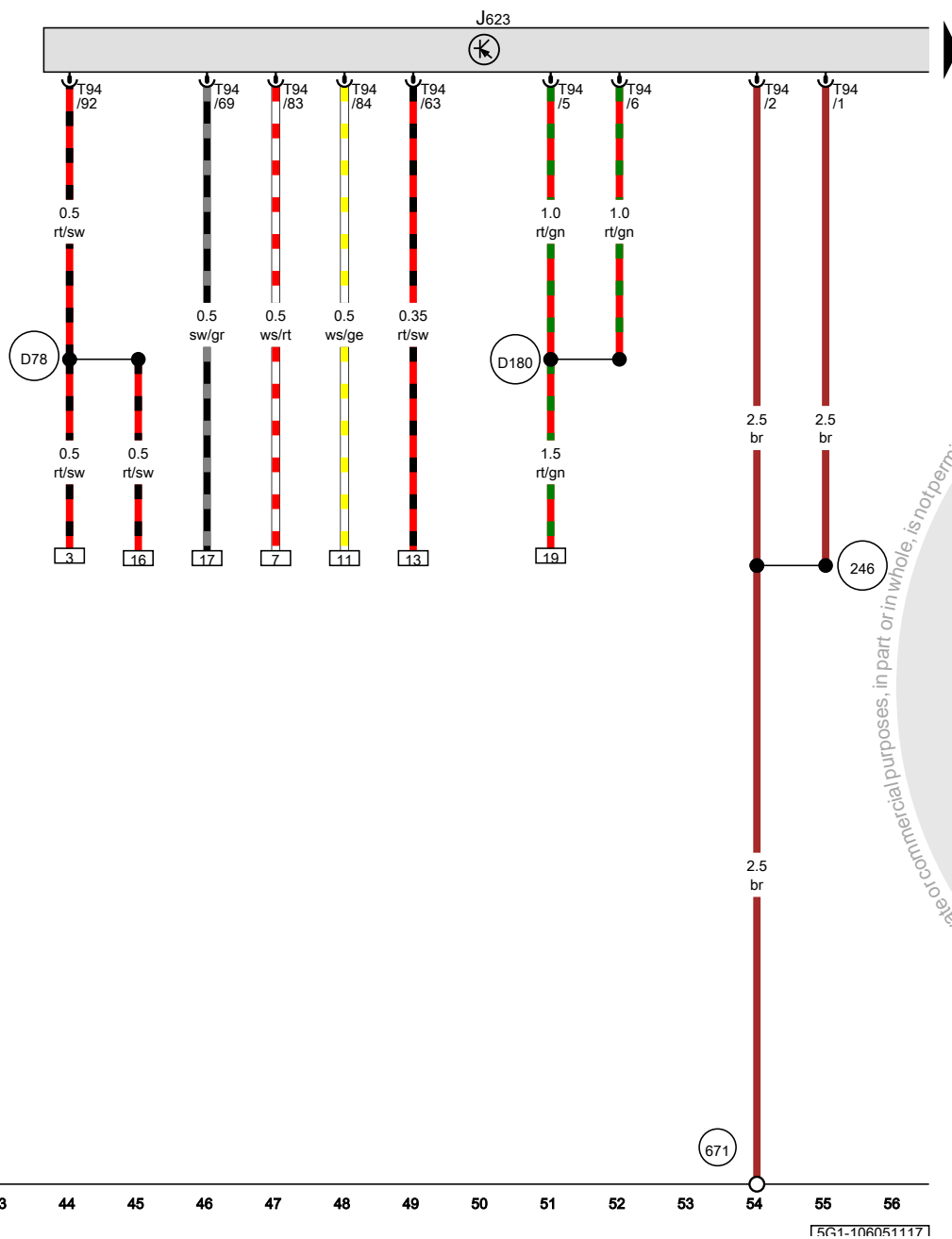
T94 94-pin connector

246 Earth connection (control unit), in engine wiring harness

671 Earth point 1, on front of left longitudinal member

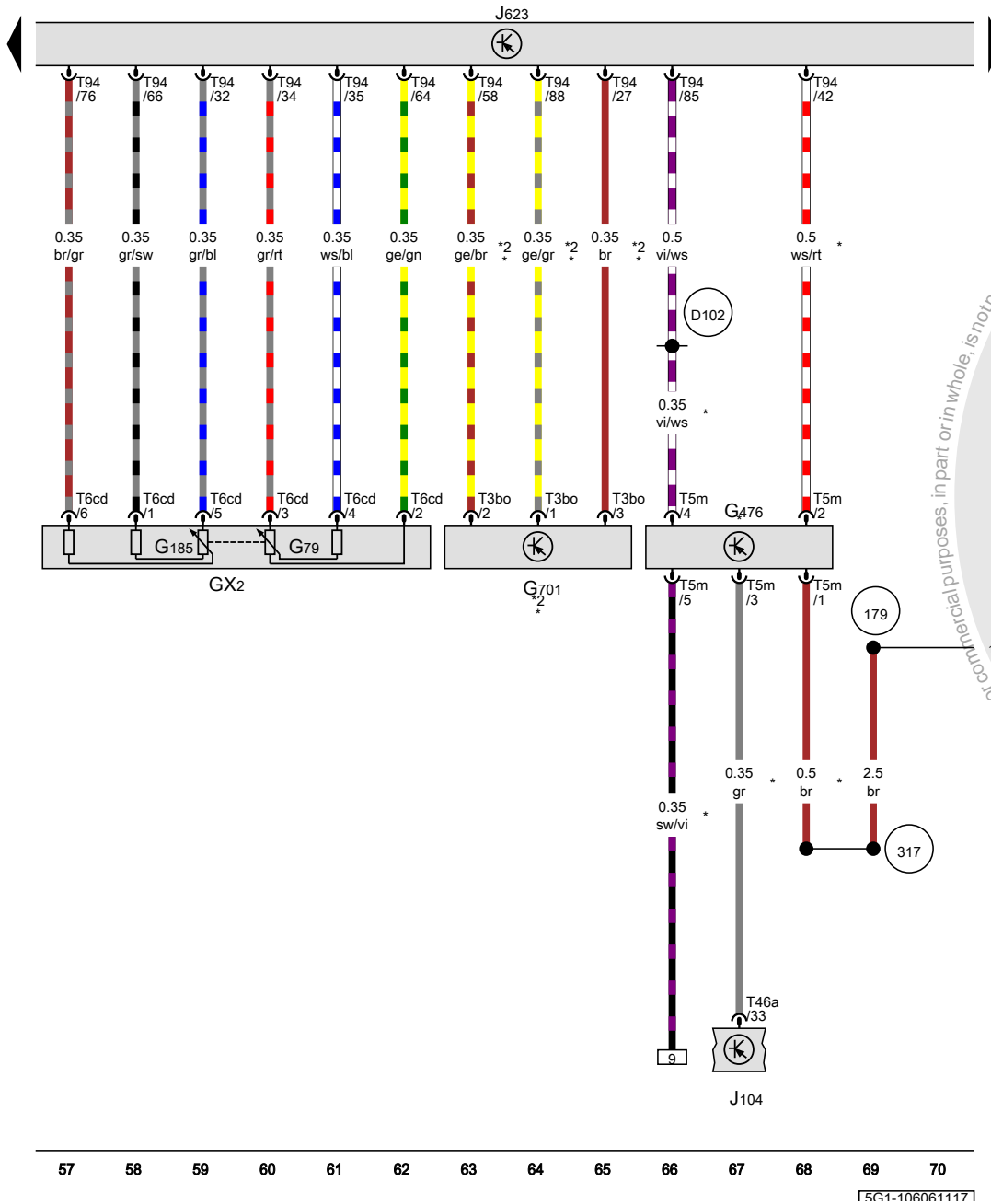
D78 Positive connection 1 (30a), in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness



[5G1-106051117]

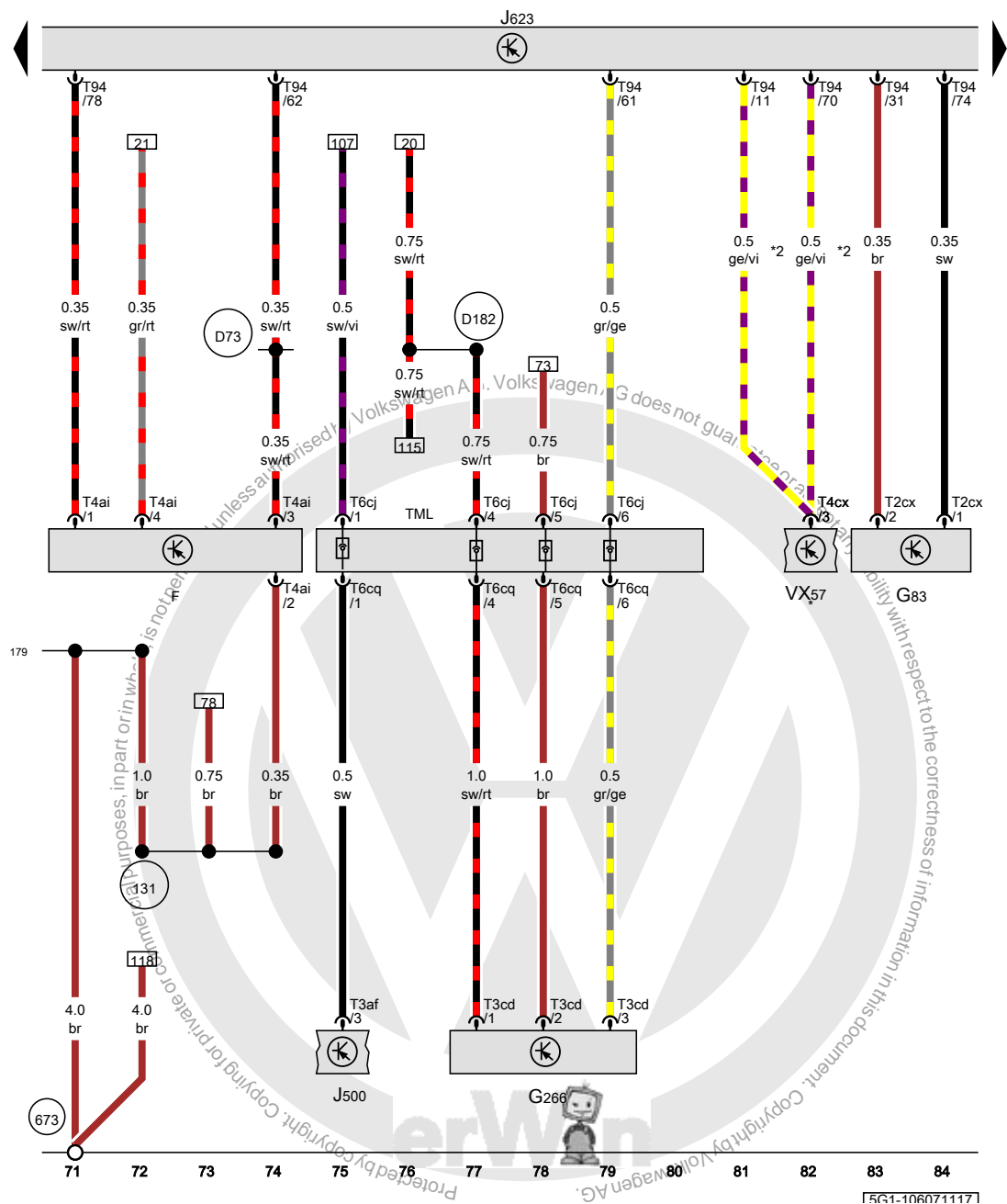
Accelerator pedal module, Clutch position sender, Gearbox neutral position sender, ABS control unit, Engine/motor control unit



- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3bo 3-pin connector
- T5m 5-pin connector
- T6cd 6-pin connector
- T46a 46-pin connector
- T94 94-pin connector

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with manual gearbox
- *2 For models with start/stop system

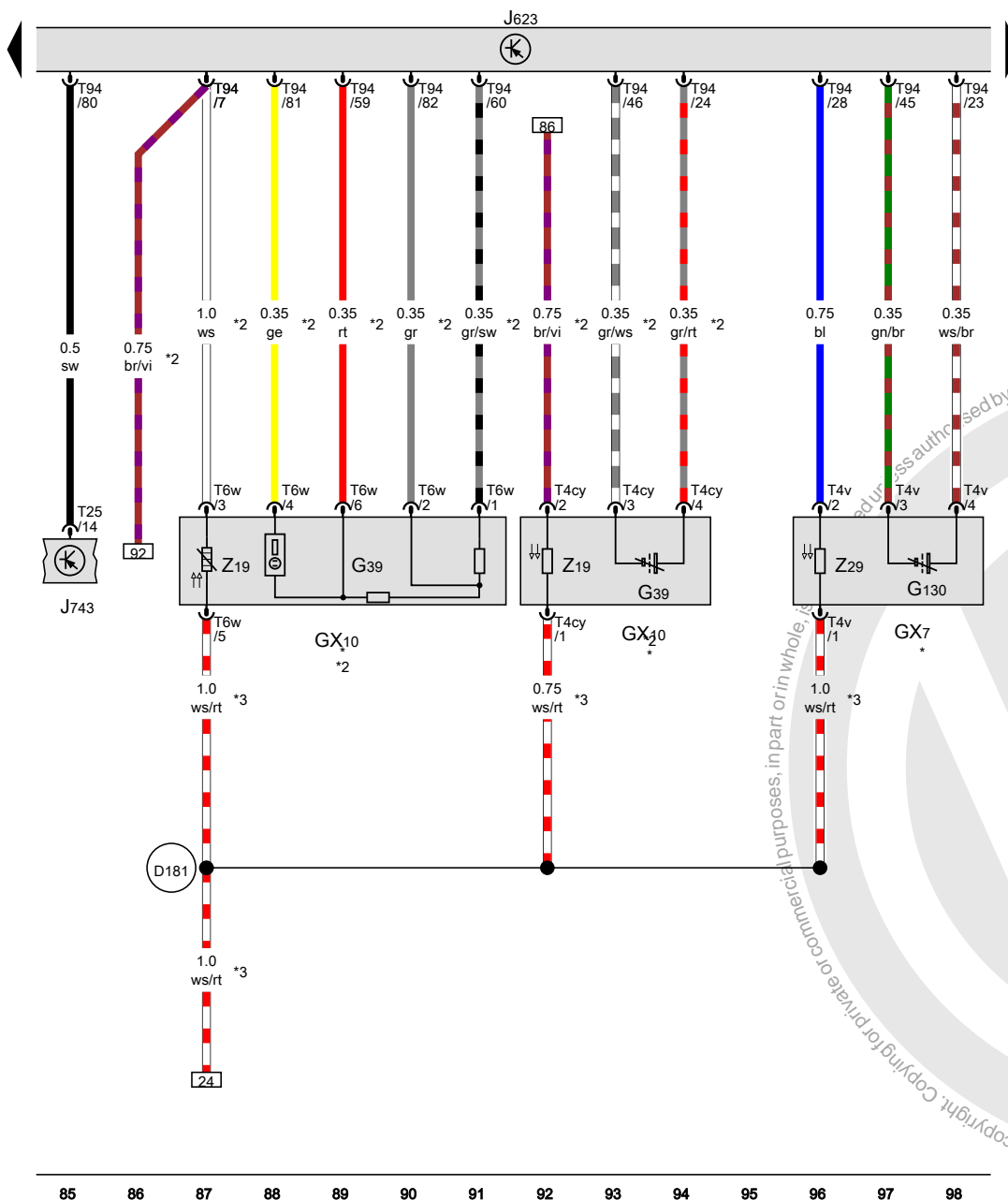
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Brake light switch, Radiator outlet coolant temperature sender, Oil level and oil temperature sender, Engine/motor control unit

- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- G266 Oil level and oil temperature sender
- J500 Power steering control unit
- J623 Engine/motor control unit
- T2cx 2-pin connector
- T3af 3-pin connector
- T3cd 3-pin connector
- T4ai 4-pin connector
- T4cx 4-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector
- T94 94-pin connector
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4cy 4-pin connector, brown
- T4v 4-pin connector
- T6w 6-pin connector
- T25 25-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D181 Connection 2 (87a), in engine compartment wiring harness

- * Pre-wired component
- *2 According to equipment
- *3 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Steering column electronics control unit, Engine/motor control unit, Coupling point in engine compartment, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- SB31 Fuse 31 on fuse holder B
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T16r 16-pin connector
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TM Coupling point in engine compartment
- V192 Vacuum pump for brakes

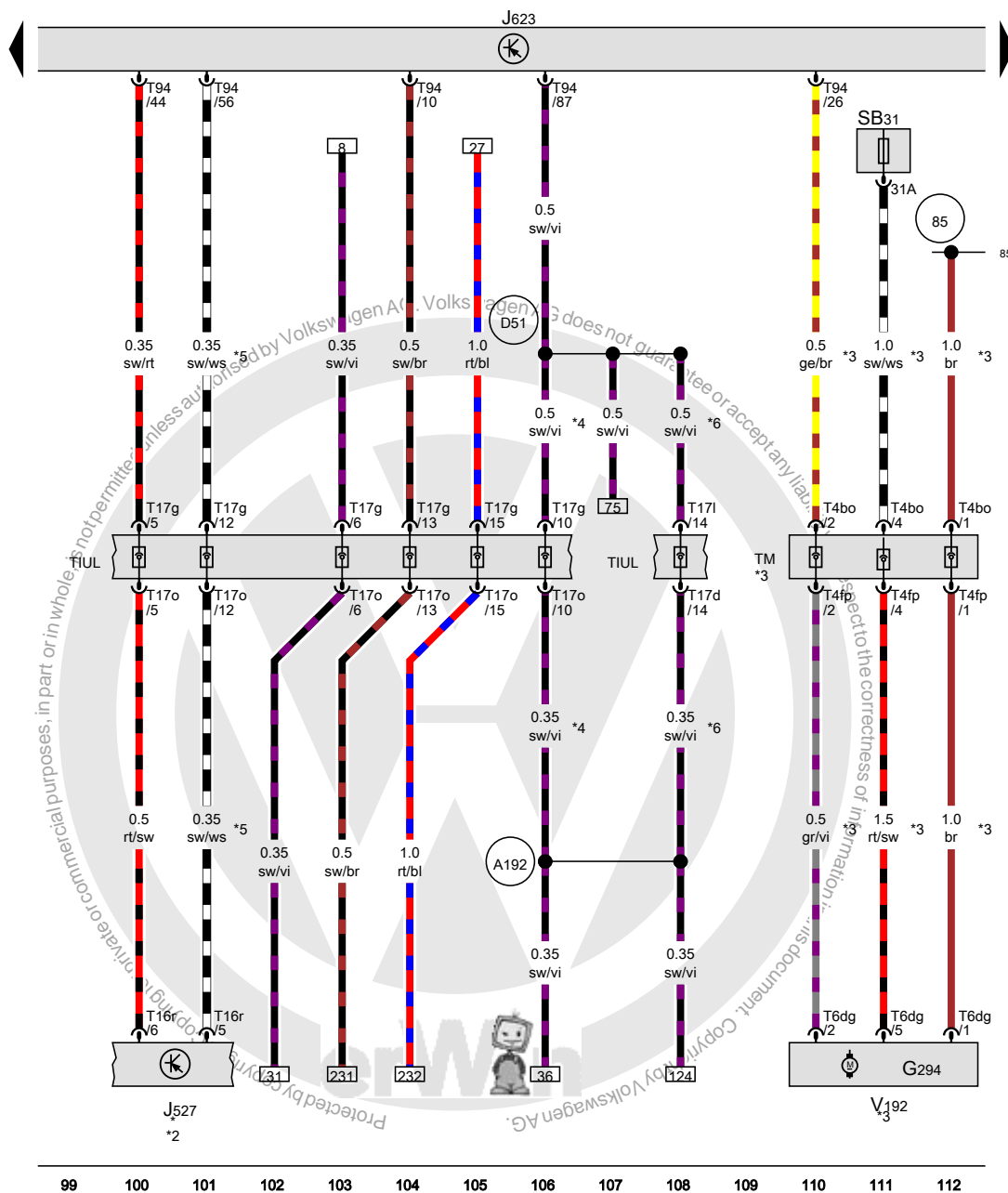
85 Earth connection 1, in engine compartment wiring harness

A192 Positive connection 3 (15a) in dash panel wiring harness

D51 Positive connection 1 (15), in engine compartment wiring harness

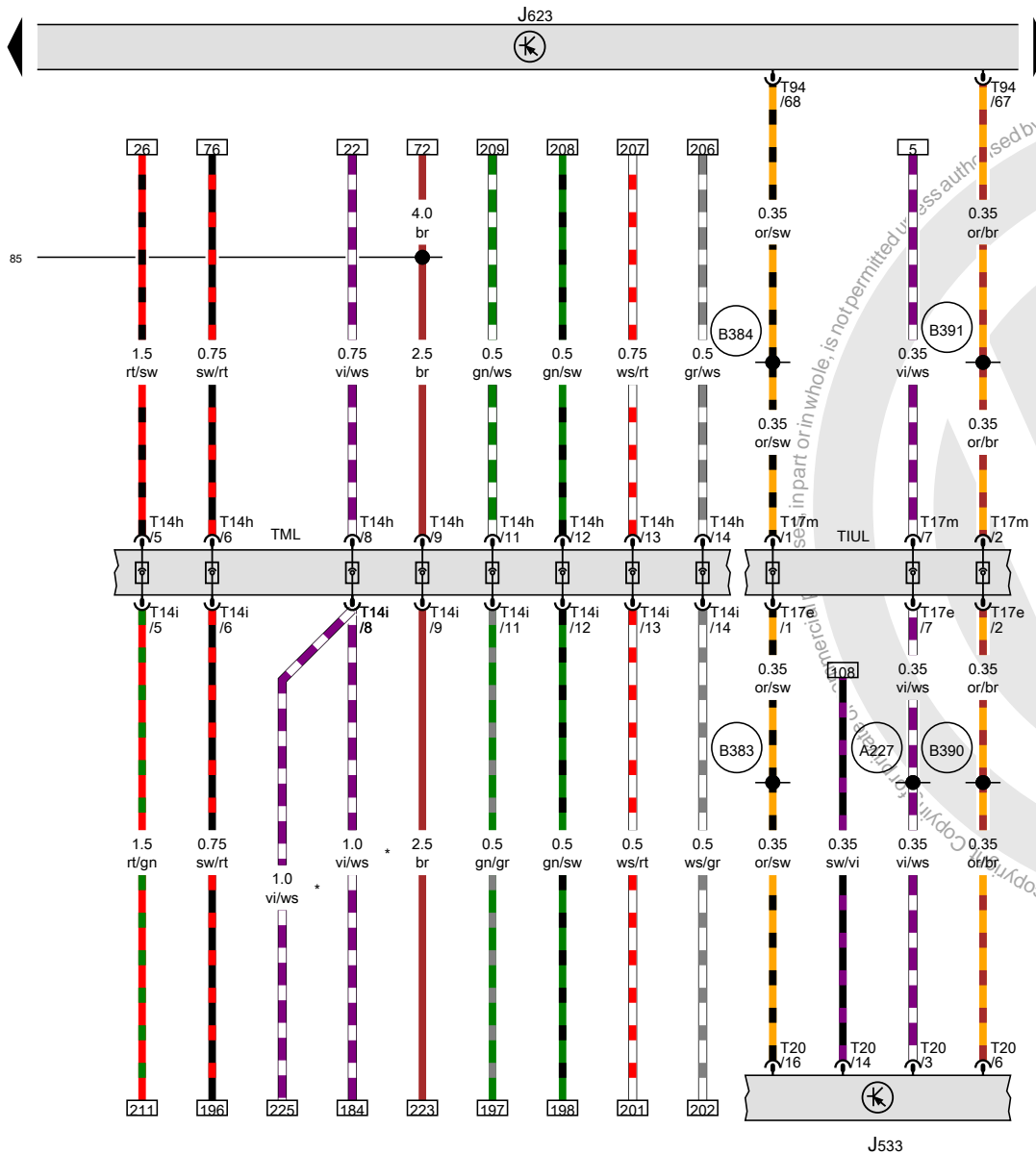
- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 For models with equipment for Japan
- *4 Up to November 2017
- *5 For models with cruise control system (CCS)
- *6 From November 2017

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



15G1-106091117

Data bus diagnostic interface, Engine/motor control unit

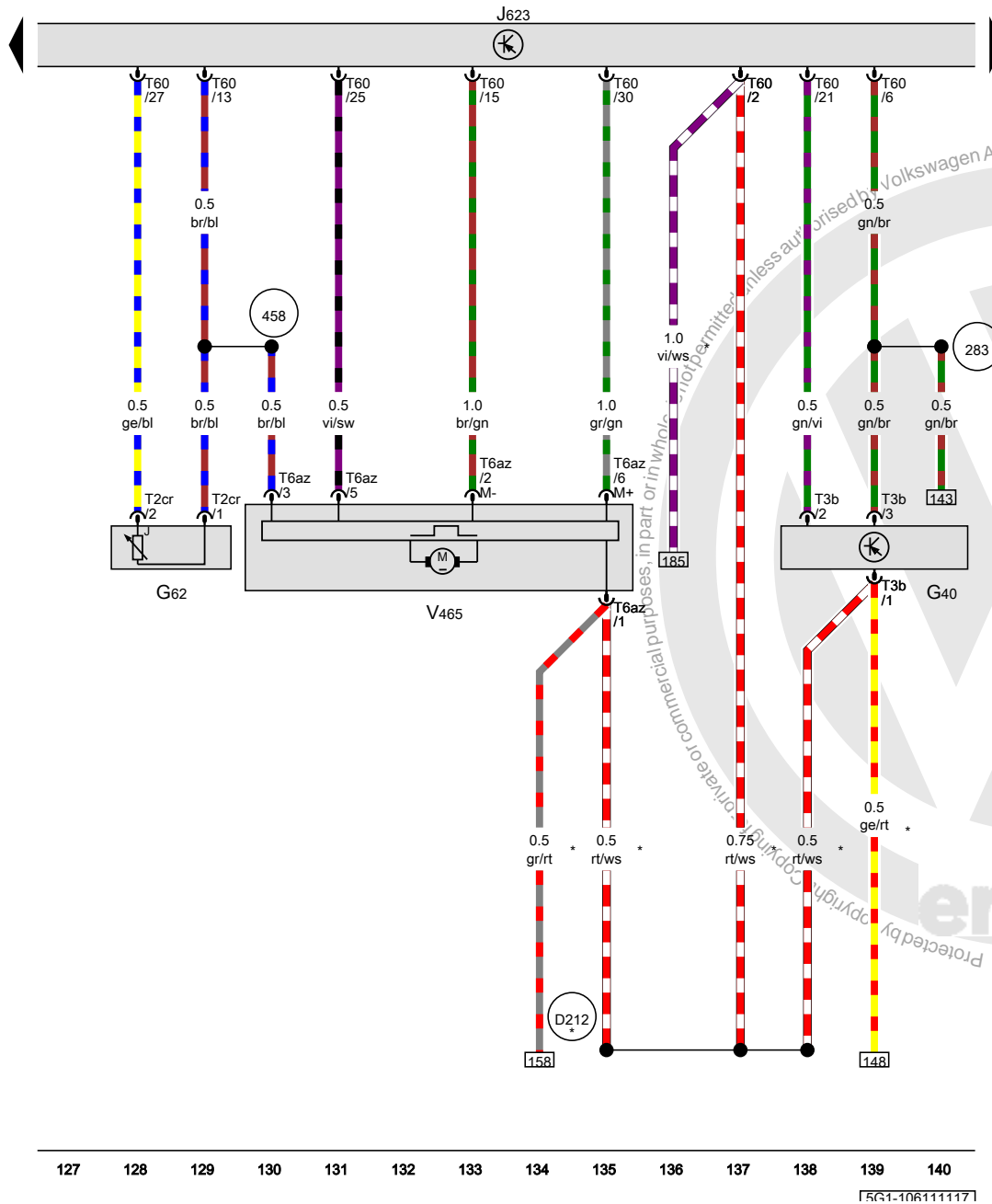


- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left

- 85 Earth connection 1, in engine compartment wiring harness
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * According to equipment

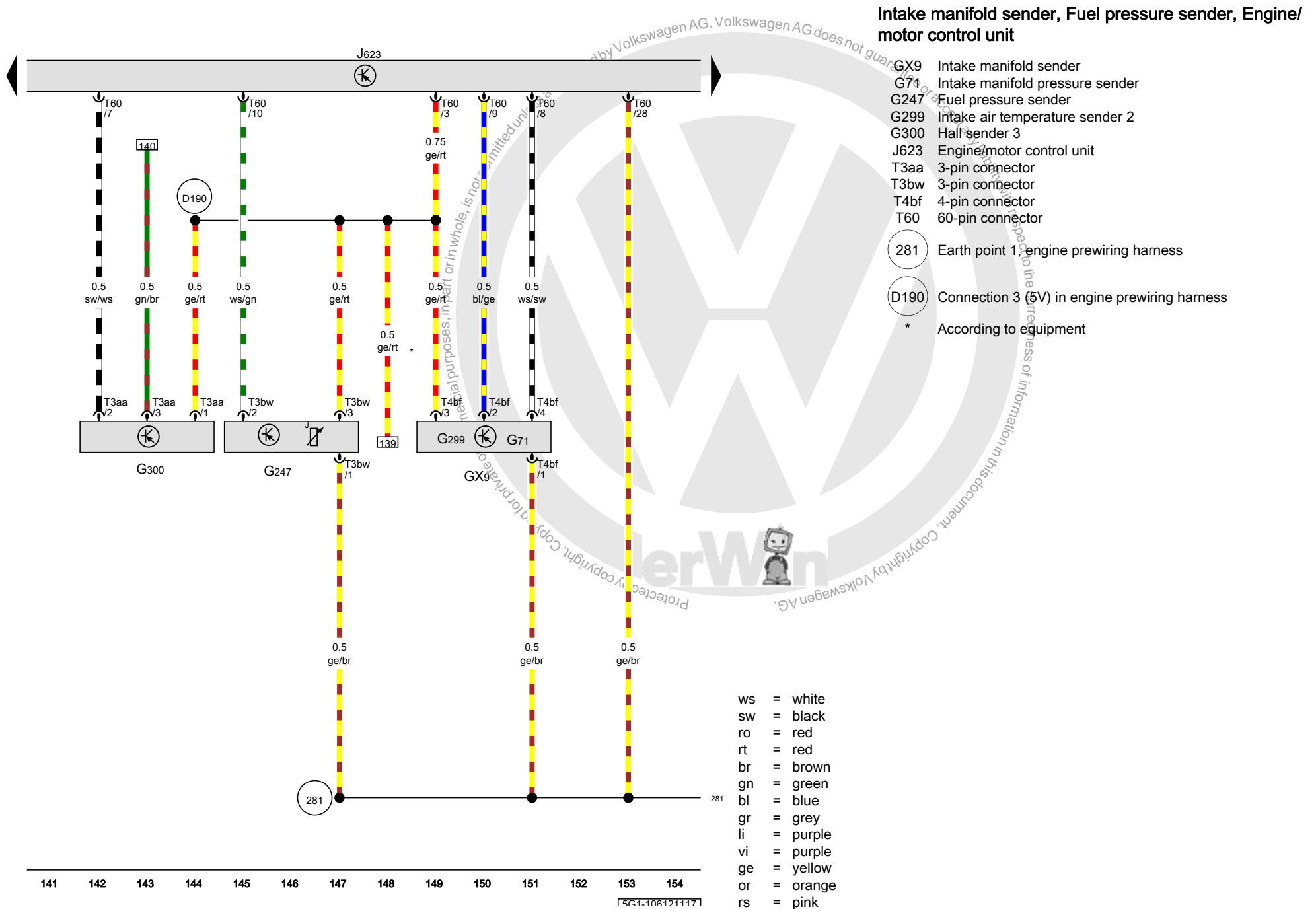
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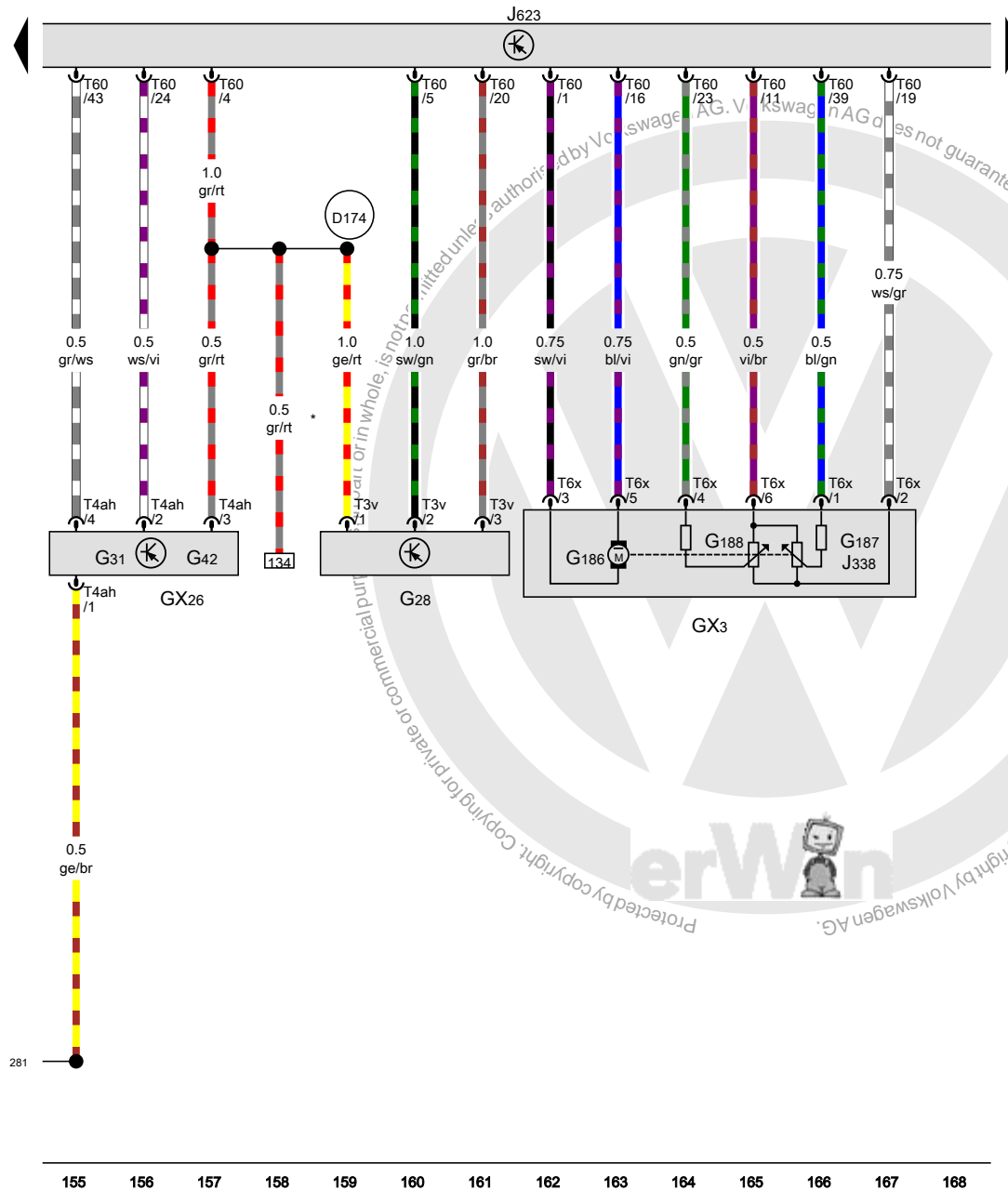
Hall sender, Coolant temperature sender, Engine/motor control unit, Charge pressure positioner



- G40 Hall sender
- G62 Coolant temperature sender
- J623 Engine/motor control unit
- T2cr 2-pin connector
- T3b 3-pin connector
- T6az 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- 283 Earth point 2, engine prewiring harness
- 458 Earth point 3, engine prewiring harness
- D212 Connection 4 (5V) in engine prewiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
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 gn = green
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Throttle valve module, Engine speed sender, Charge pressure sender, Engine/motor control unit

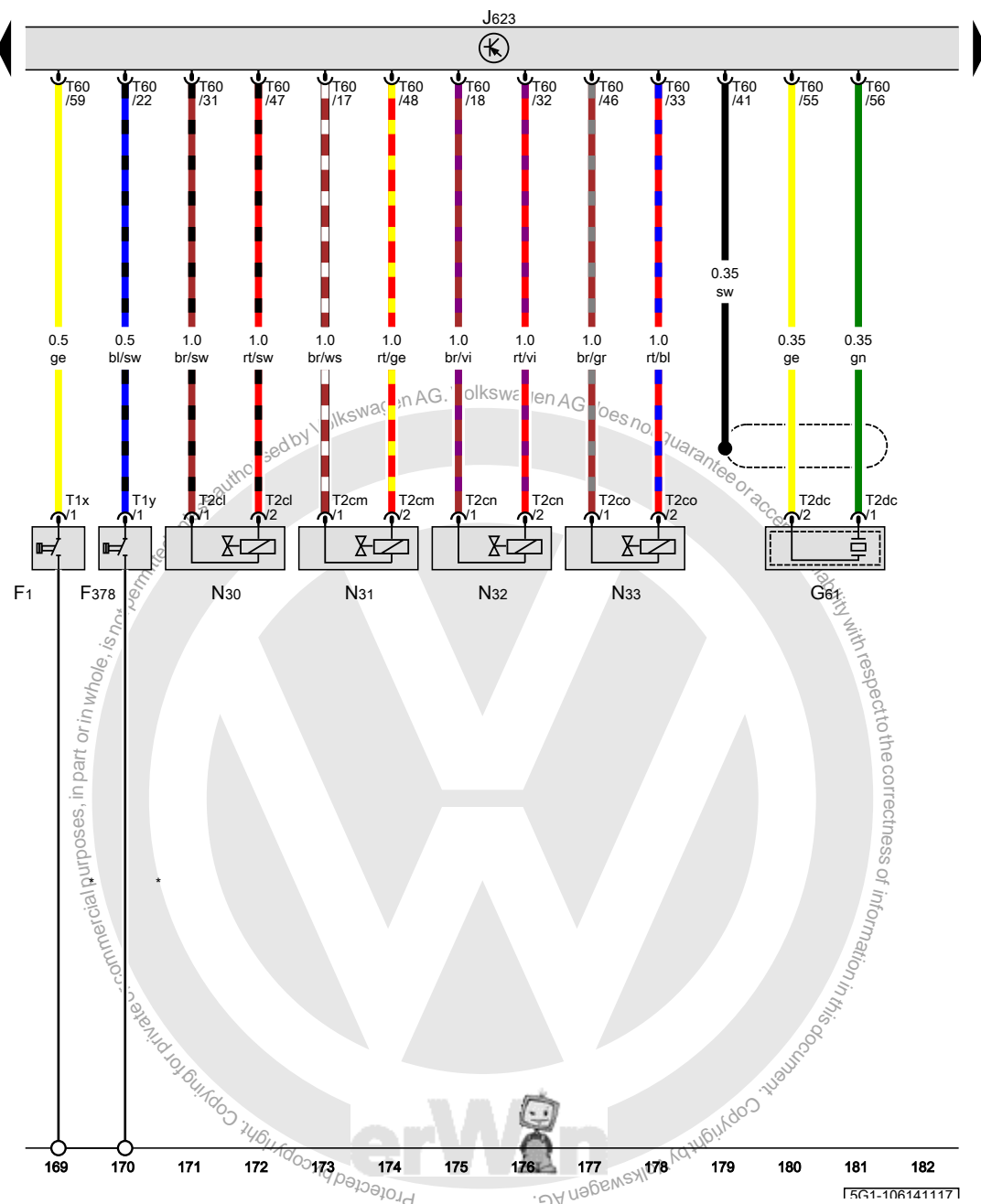
- GX3 Throttle valve module
- GX26 Charge pressure sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3v 3-pin connector
- T4ah 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

281 Earth point 1, engine prewiring harness

D174 Connection 2 (5V) in engine prewiring harness

* According to equipment

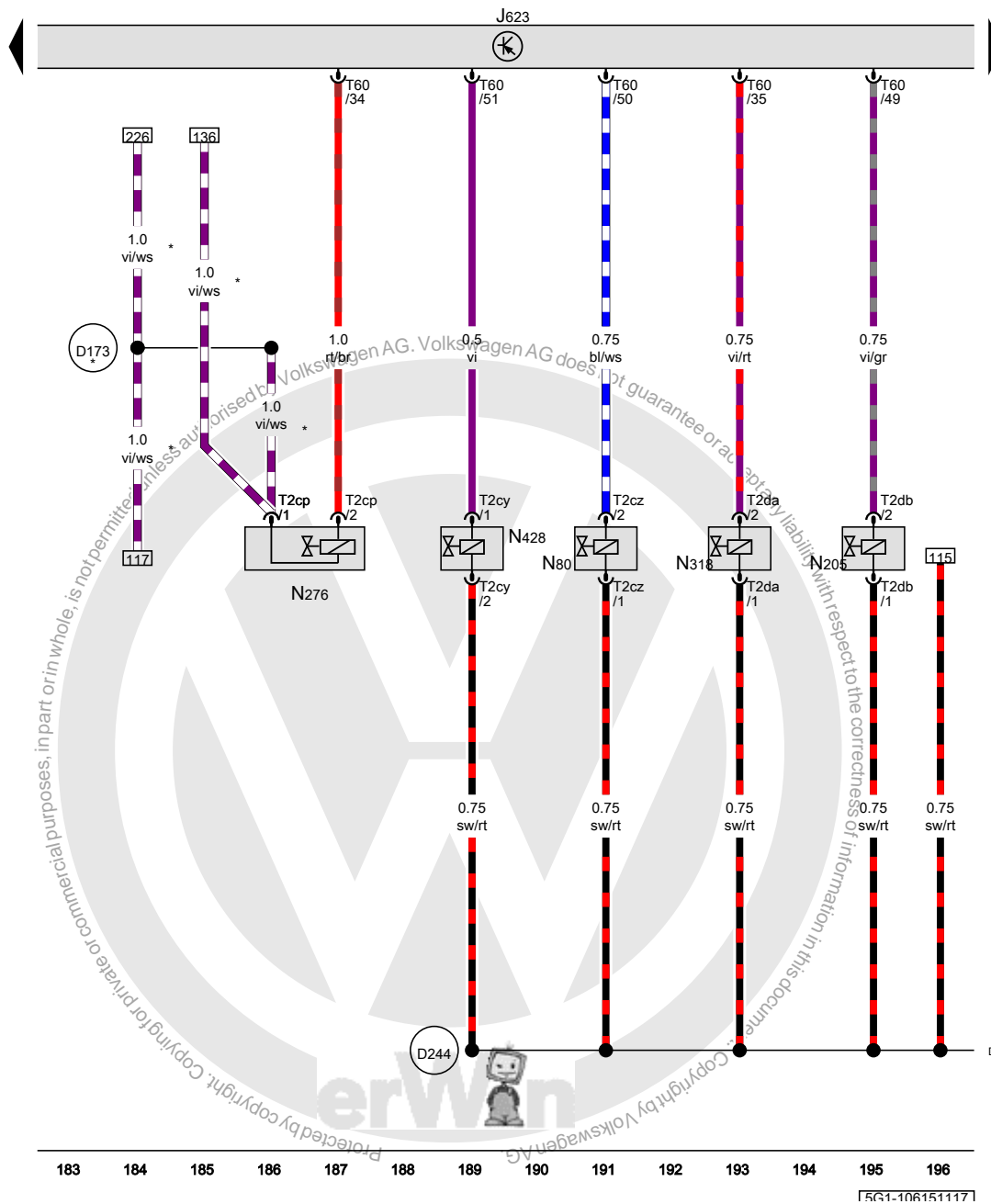
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Oil pressure switch, Oil pressure switch for reduced oil pressure, Knock sensor 1, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T1x 1-pin connector
- T1y 1-pin connector
- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2dc 2-pin connector
- T60 60-pin connector
- * Earth supply via housing

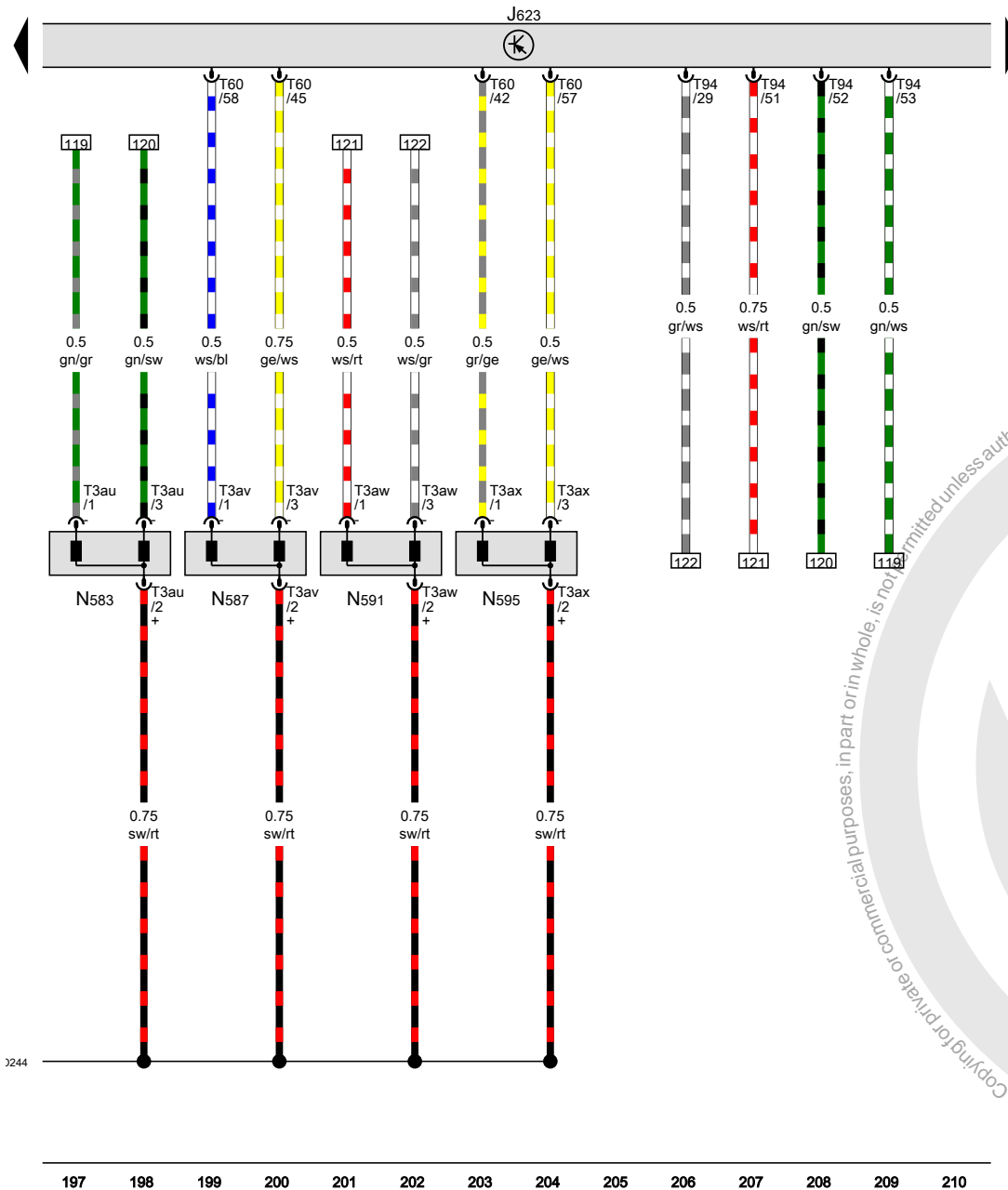
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Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Valve for oil pressure control

- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2cp 2-pin connector
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T60 60-pin connector
- D173 Connection (87), in engine prewiring harness
- D244 Connection 5 (87a) in engine prewiring harness
- * According to equipment

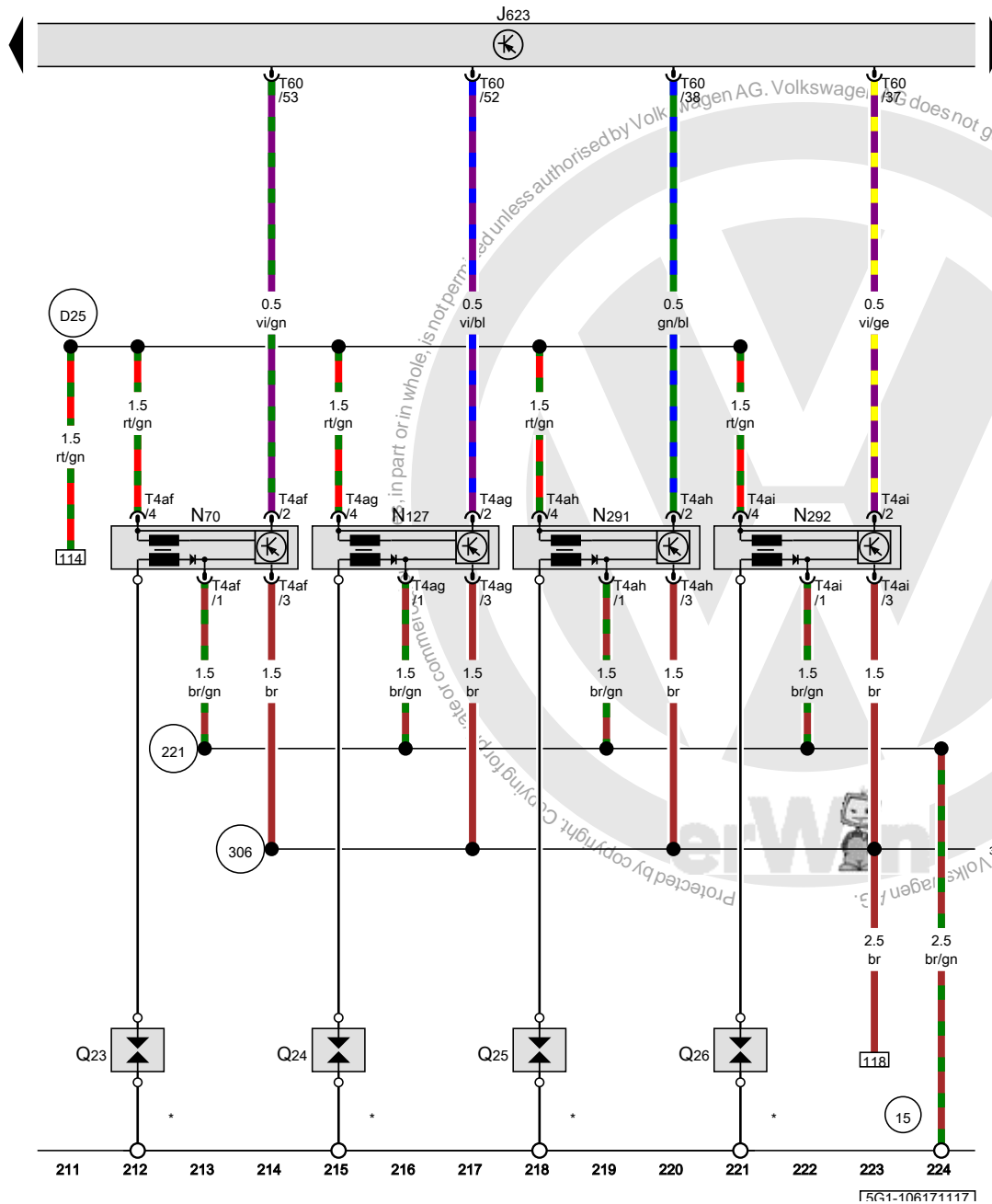
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 ro = red
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 gn = green
 bl = blue
 gr = grey
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Engine/motor control unit, Inlet cam actuator for cylinder 2, Exhaust cam actuator for cylinder 2, Inlet cam actuator for cylinder 3, Exhaust cam actuator for cylinder 3

- J623 Engine/motor control unit
- N583 Inlet cam actuator for cylinder 2
- N587 Exhaust cam actuator for cylinder 2
- N591 Inlet cam actuator for cylinder 3
- N595 Exhaust cam actuator for cylinder 3
- T3au 3-pin connector
- T3av 3-pin connector
- T3aw 3-pin connector
- T3ax 3-pin connector
- T60 60-pin connector
- T94 94-pin connector
- D244 Connection 5 (87a) in engine prewiring harness

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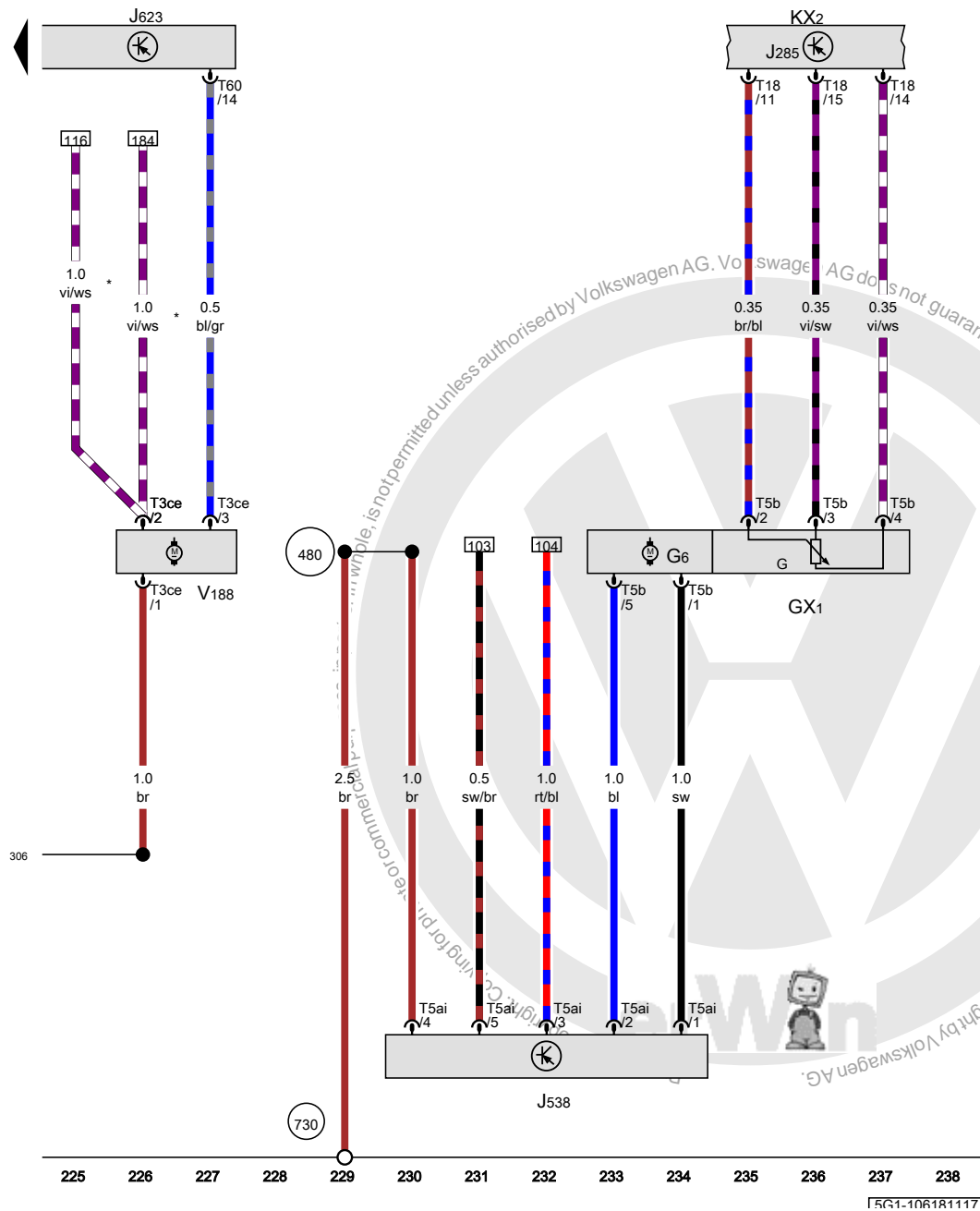
Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

- ws = white
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- rt = red
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- rs = pink

[5G1-106171117]



Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Engine/motor control unit, Dash panel insert, Charge air cooling pump

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- KX2 Dash panel insert
- T3ce 3-pin connector
- T5ai 5-pin connector
- T5b 5-pin connector
- T18 18-pin connector
- T60 60-pin connector
- V188 Charge air cooling pump

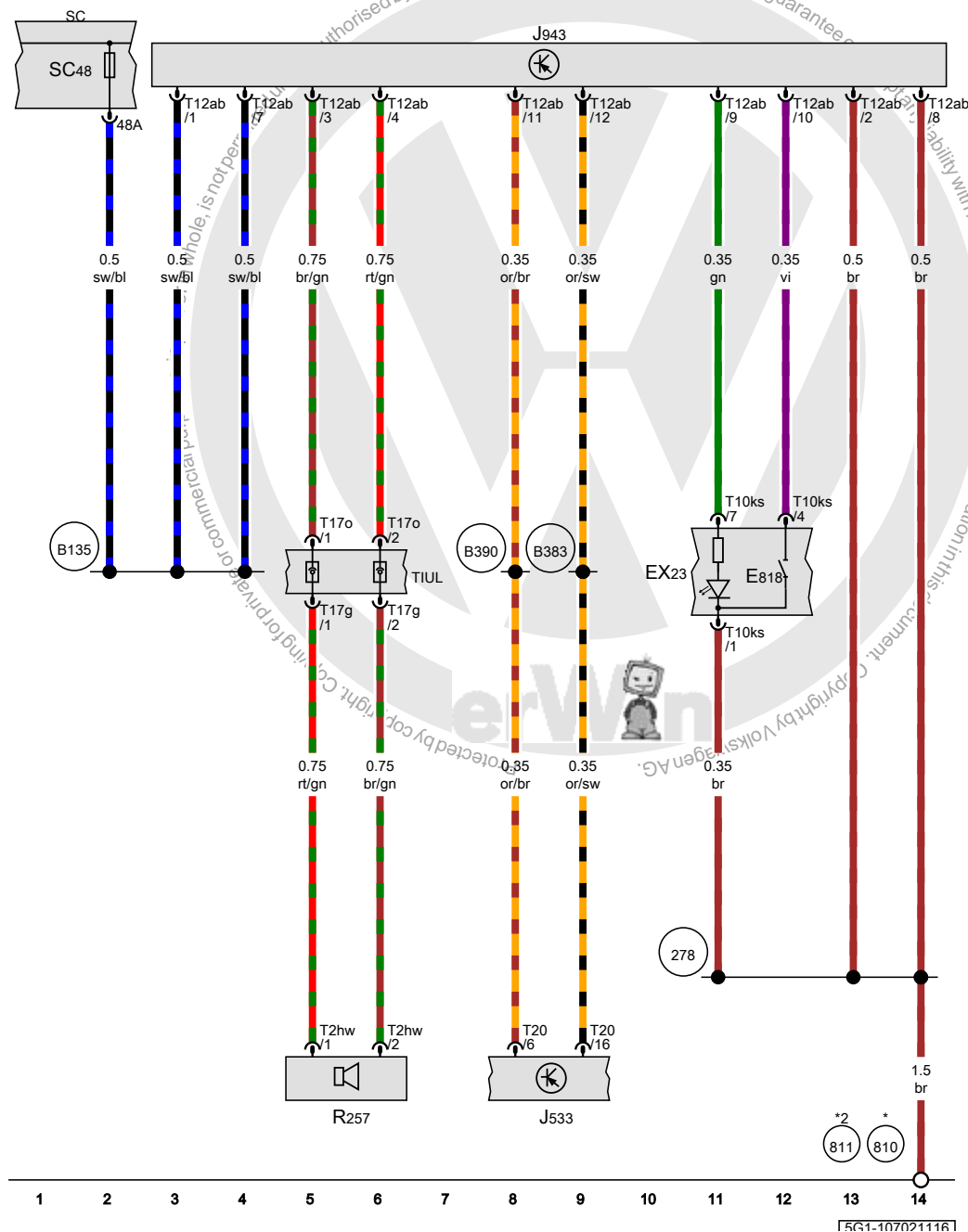
- 306 Earth connection (ignition coils), in engine prewiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- * According to equipment

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- sw = black
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Engine sound generator , (GM2)

From May 2016





Switch module 1 in centre console, Engine sound generator control unit, Actuator 1 for engine sound generator

- EX23 Switch module 1 in centre console
- E818 Engine sound generator button
- J533 Data bus diagnostic interface
- J943 Engine sound generator control unit
- R257 Actuator 1 for engine sound generator
- SC Fuse holder C
- SC48 Fuse 48 on fuse holder C
- T2hw 2-pin connector, black
- T10ks 10-pin connector, black
- T12ab 12-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T20 20-pin connector, red
- TIUL Coupling point in interior, below left

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- B135 Connection 1 (15a), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models

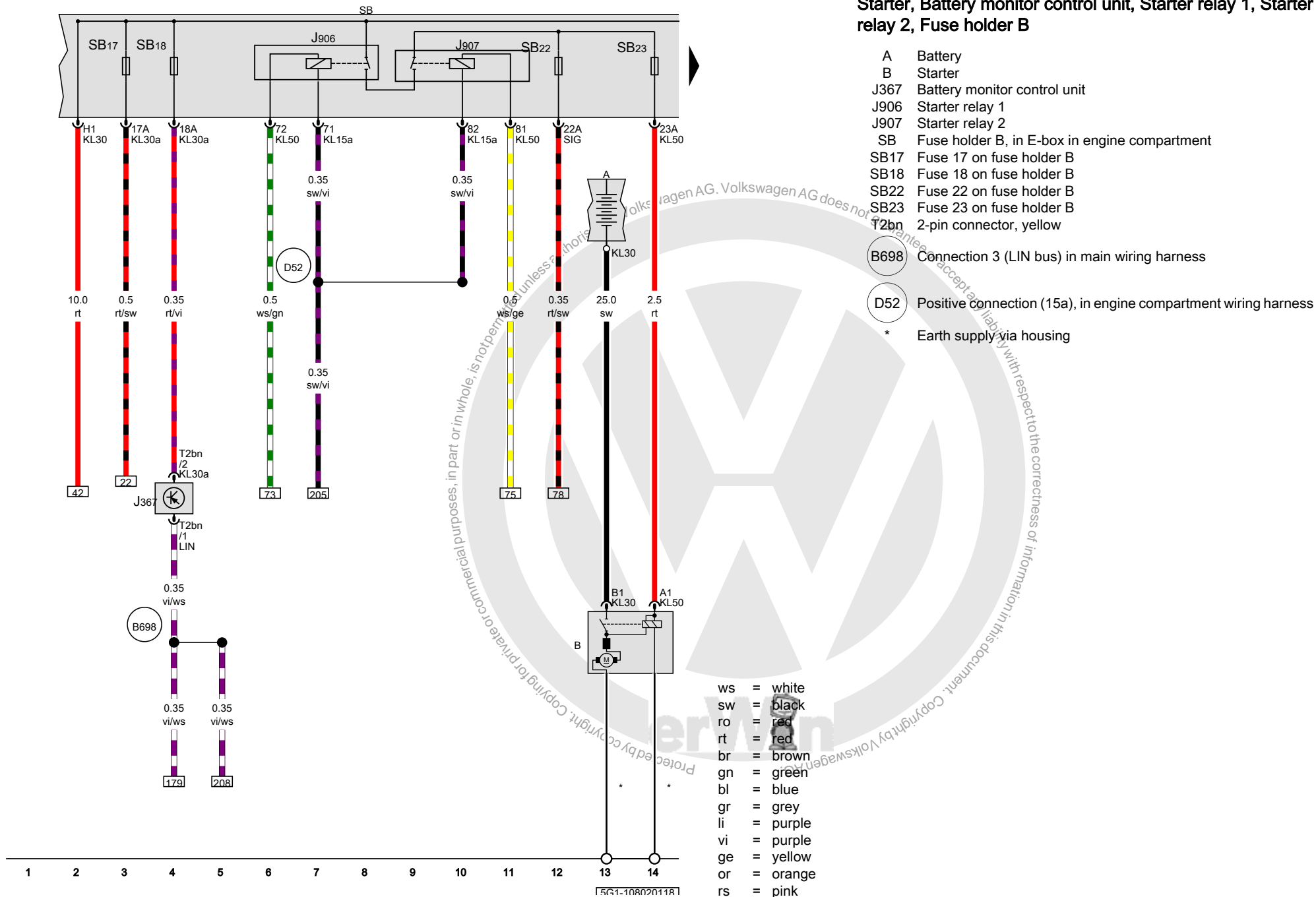
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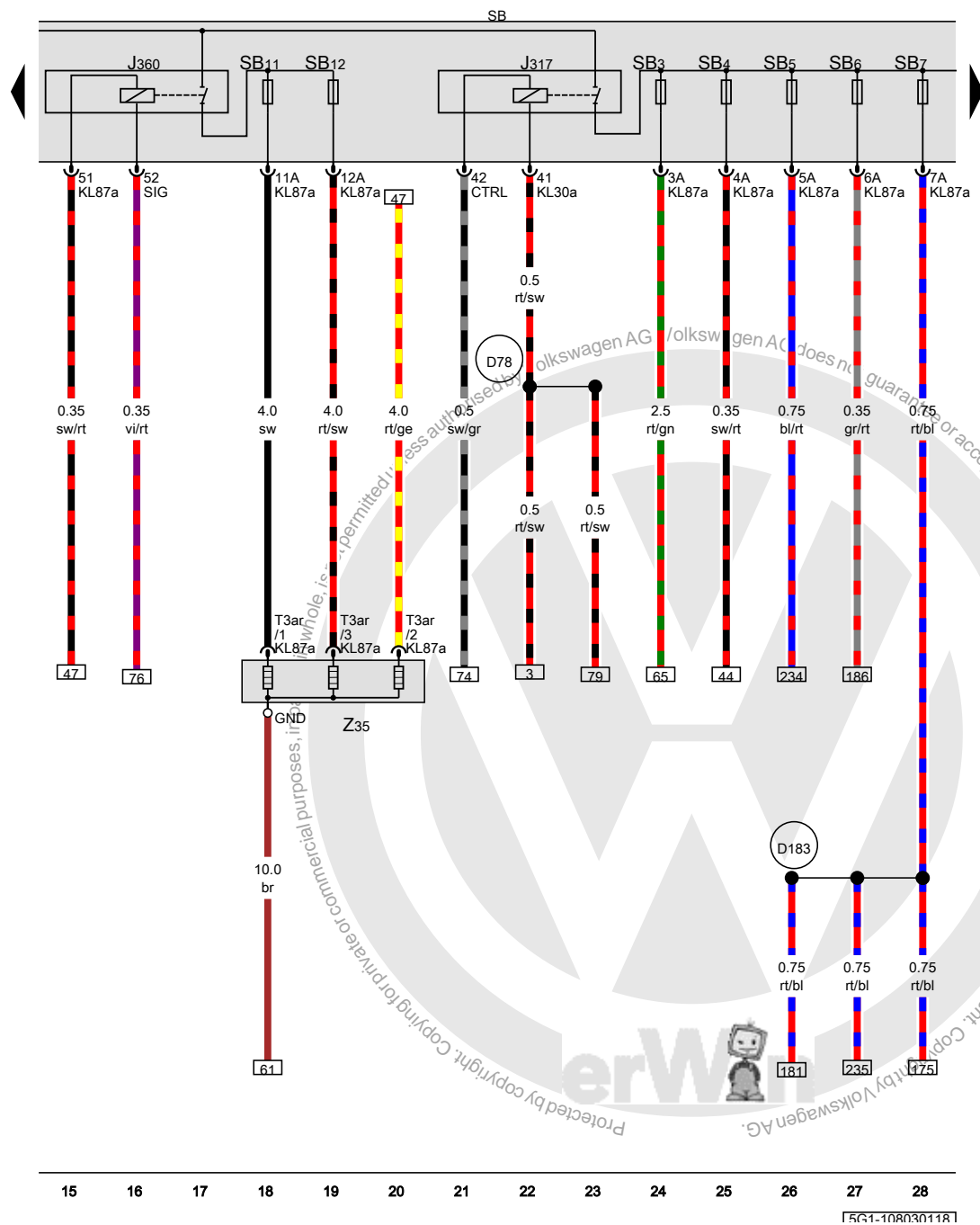
2.0l diesel engine , DEJA,DEJB

From May 2016



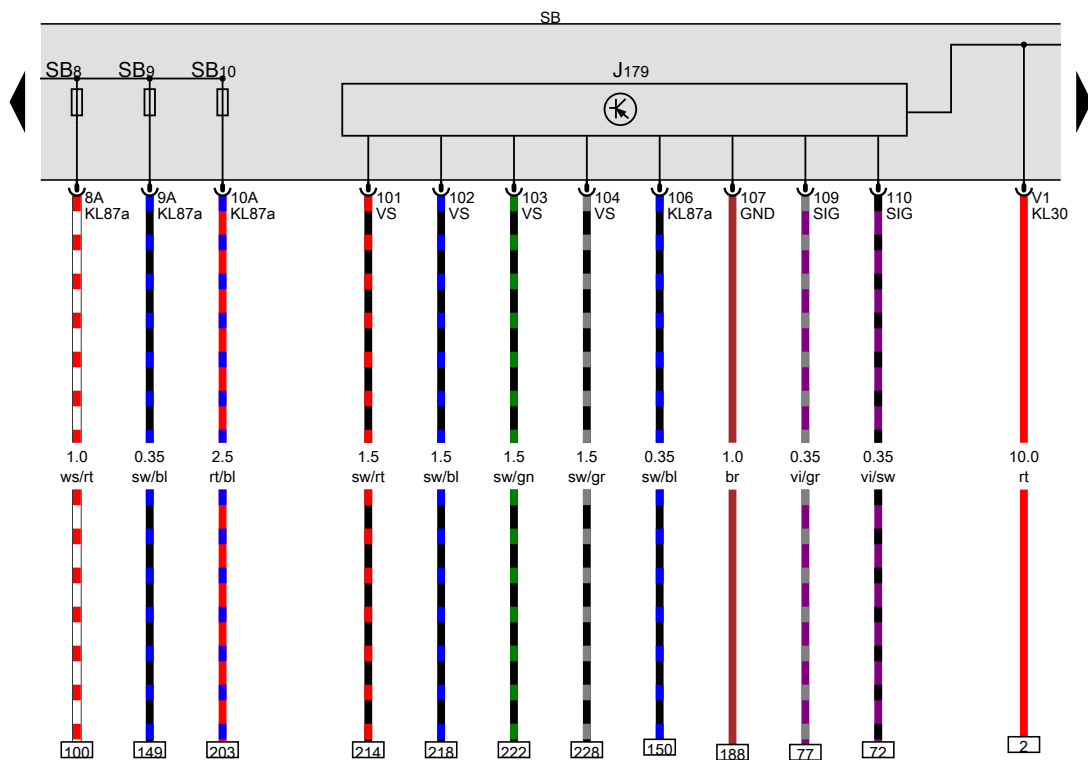
Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B





Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B, Auxiliary air heater element

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- T3ar 3-pin connector, black
- Z35 Auxiliary air heater element
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness



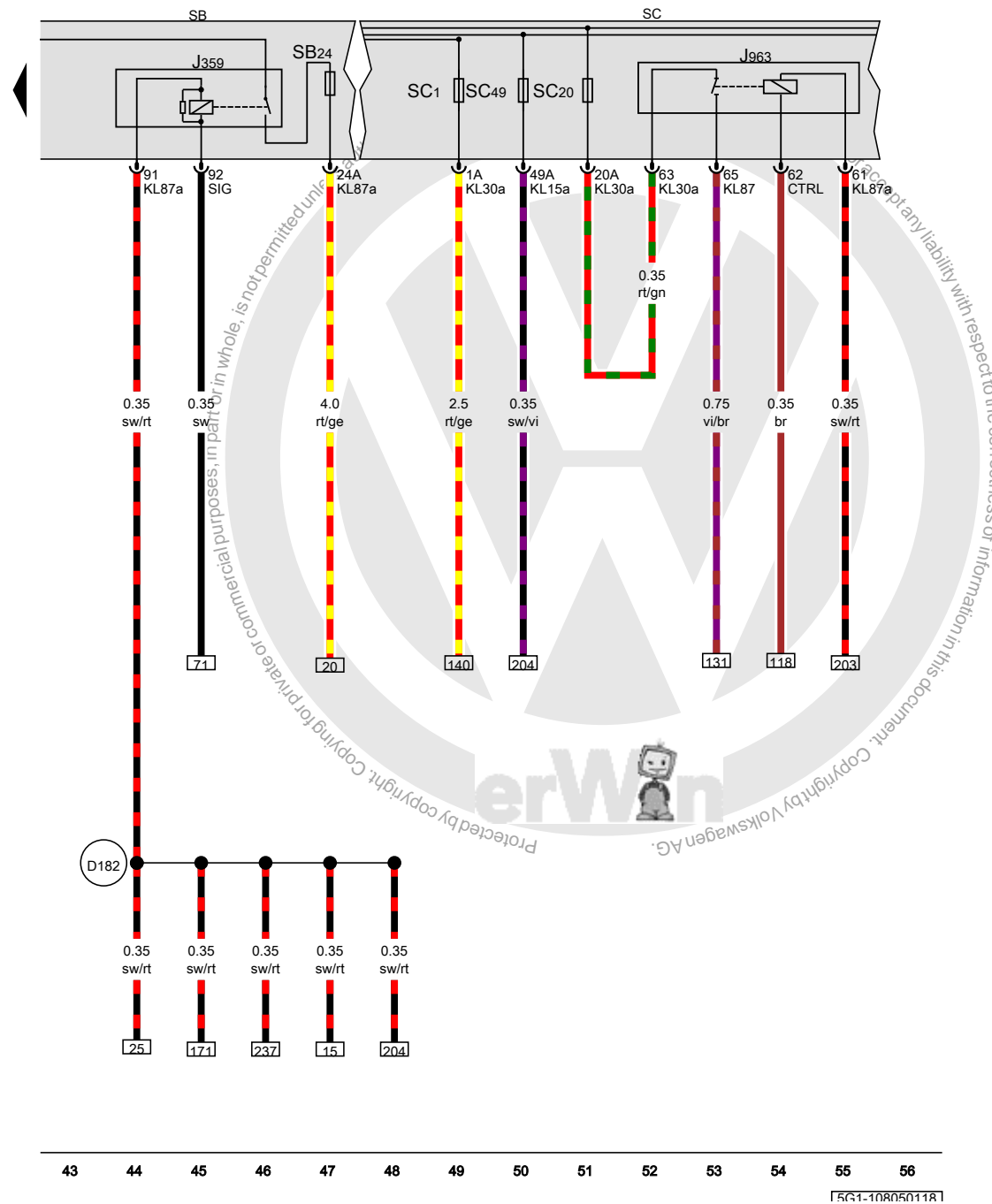
Automatic glow period control unit, Fuse holder B

- J179 Automatic glow period control unit
- SB Fuse holder B, in E-box in engine compartment
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B

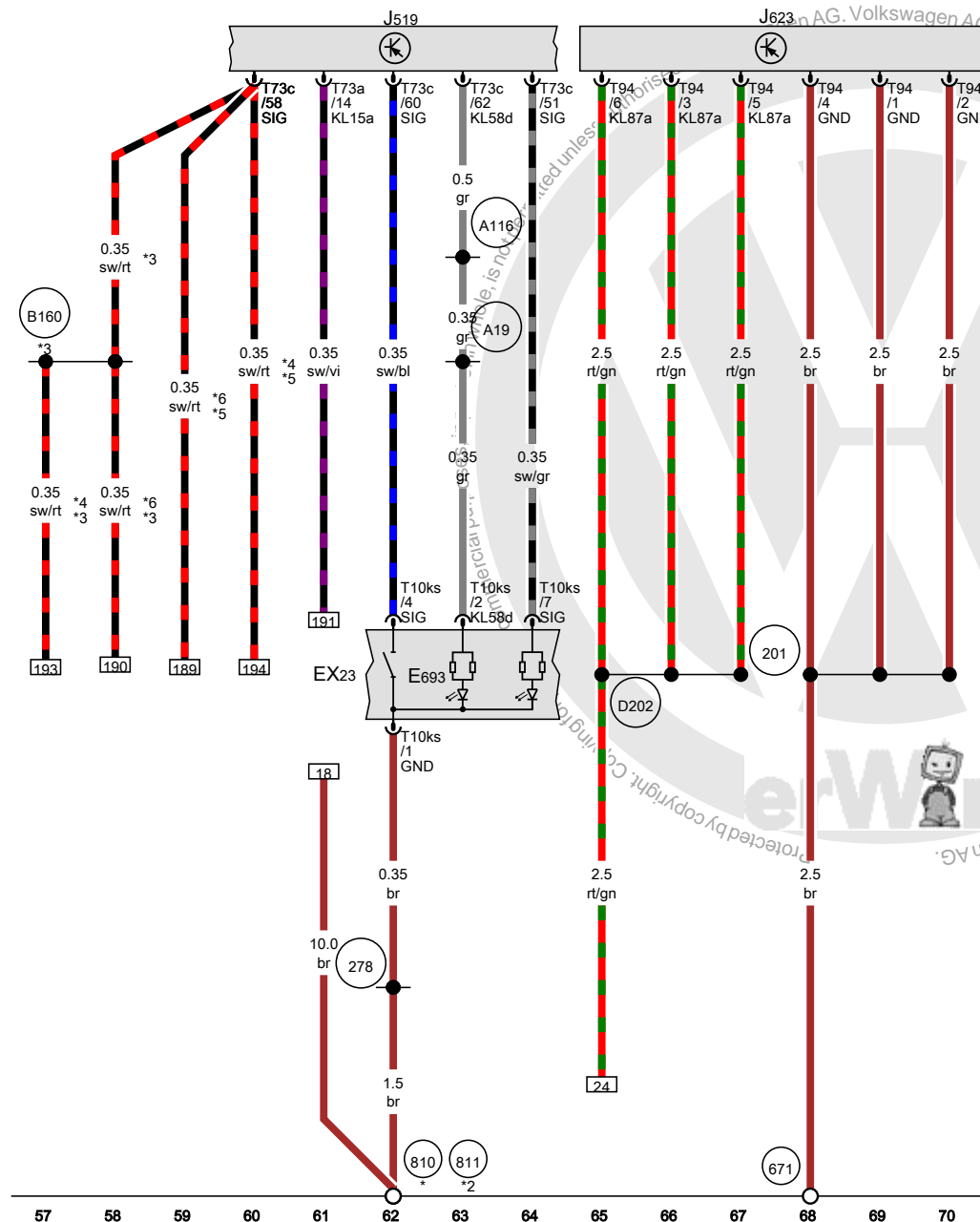
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- rs = pink

Low heat output relay, Relay for reducing agent metering system, Fuse holder B, Fuse holder C

- J359 Low heat output relay
- J963 Relay for reducing agent metering system
- SB Fuse holder B, in E-box in engine compartment
- SB24 Fuse 24 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC1 Fuse 1 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- D182 Connection 3 (87a), in engine compartment wiring harness



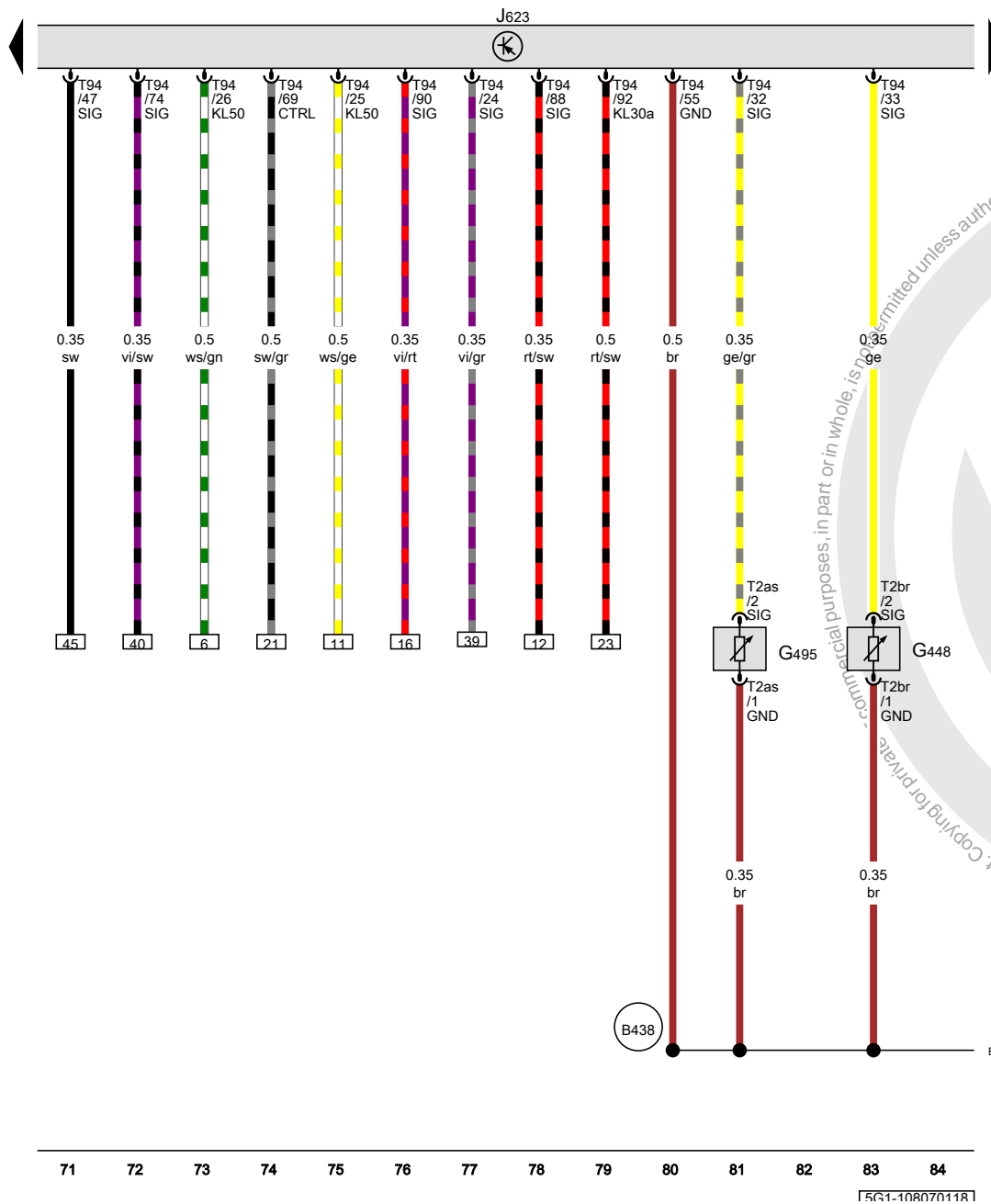
Switch module 1 in centre console, Onboard supply control unit, Engine/motor control unit



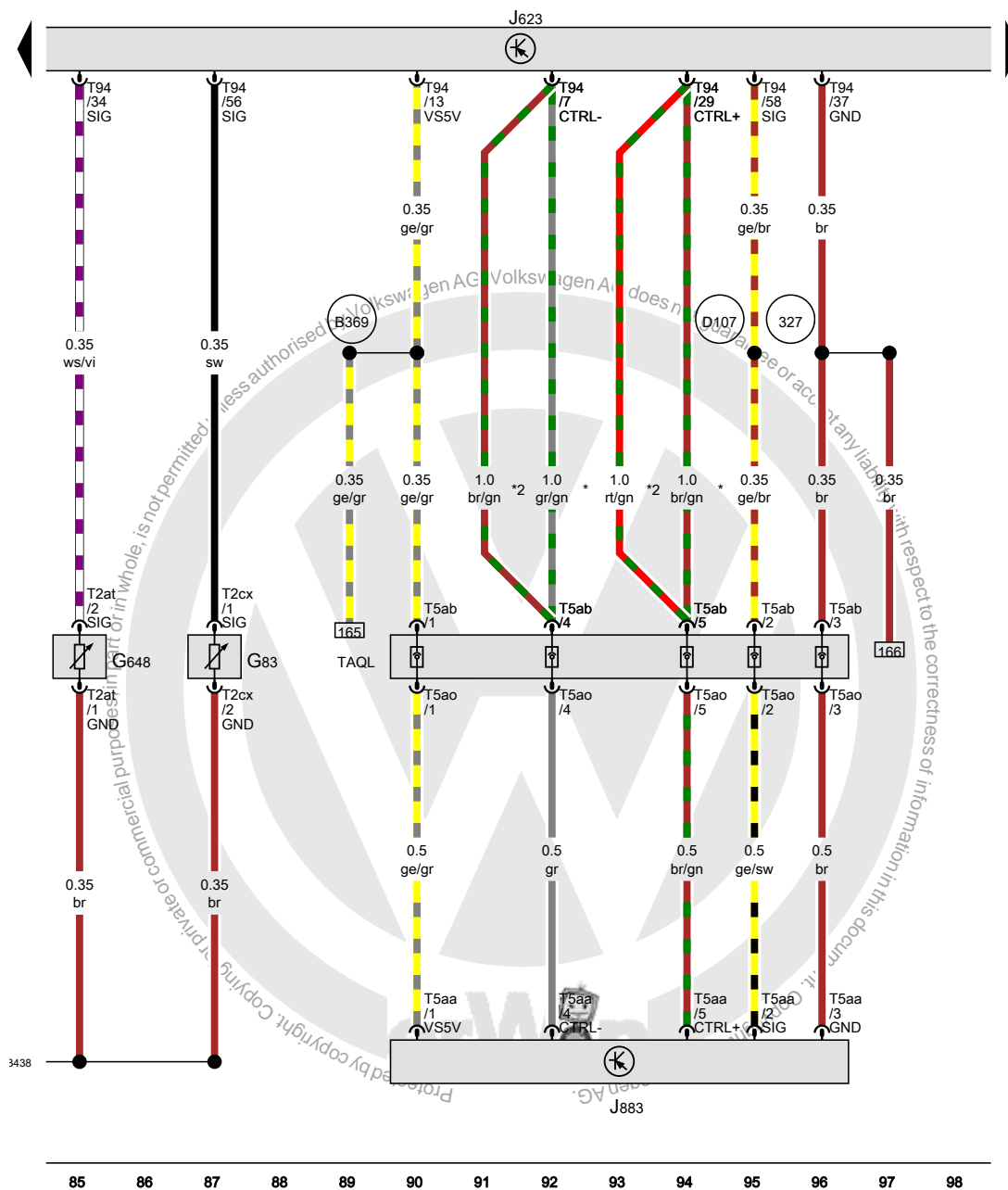
- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- T94 94-pin connector, black
- 201 Earth connection 5, in engine compartment wiring harness
- 278 Earth connection 4, in interior wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness
- * For left-hand drive models
- *2 For right-hand drive models
- *3 For models with trailer socket
- *4 Up to November 2017
- *5 For models with no trailer socket
- *6 From November 2017

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15G1-108060118



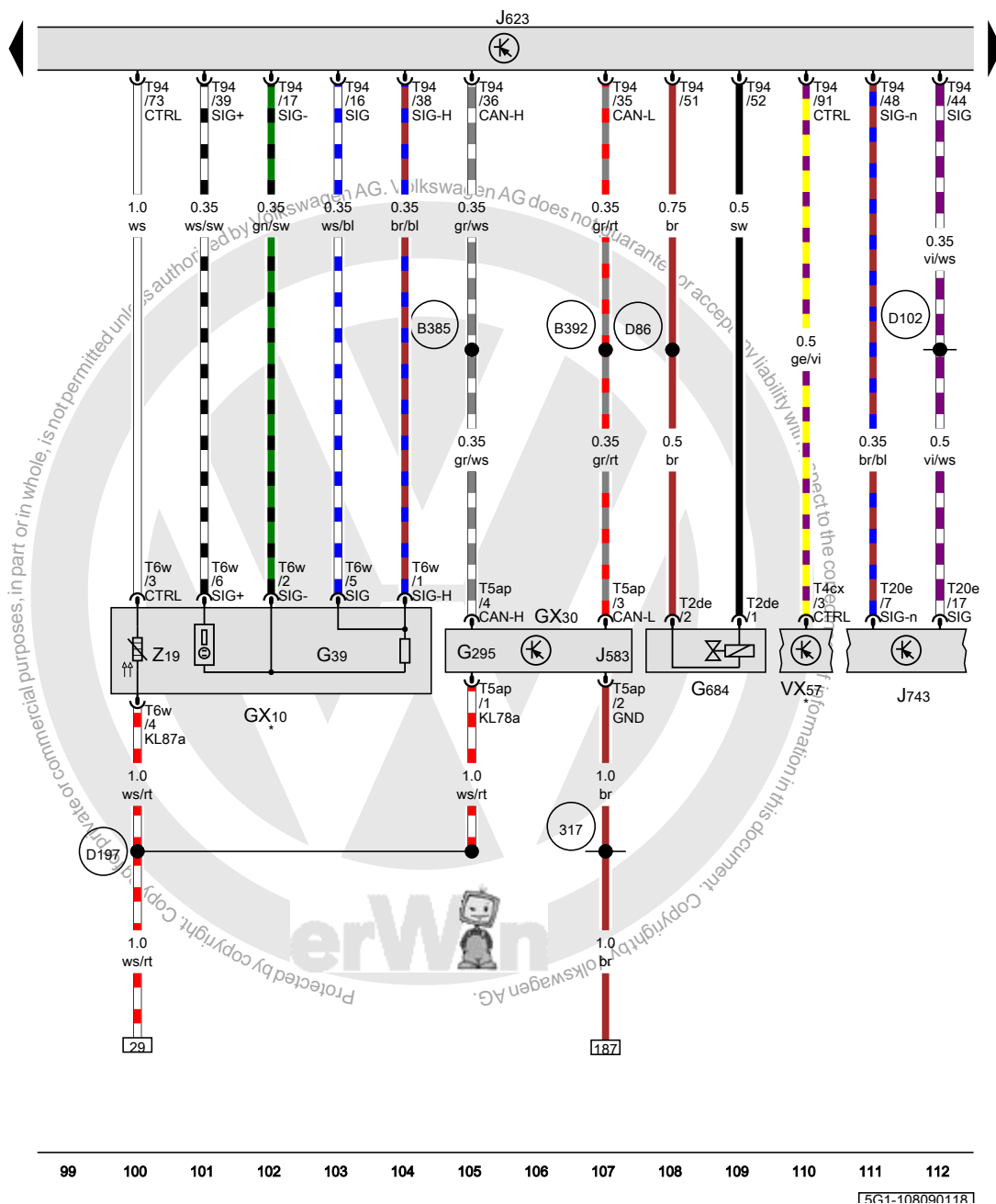
15G1-108070118



Radiator outlet coolant temperature sender, Exhaust gas temperature sender 4, Engine/motor control unit, Exhaust flap control unit

- G83 Radiator outlet coolant temperature sender
- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T2at 2-pin connector, colourless
- T2cx 2-pin connector, black
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T94 94-pin connector, black
- TAQL Coupling point on rear cross member, left
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B369 Connection 1 (5V), in main wiring harness
- B438 Connection 2 (GND (earth)), in main wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Up to November 2017
- *2 From November 2017

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 rs = pink



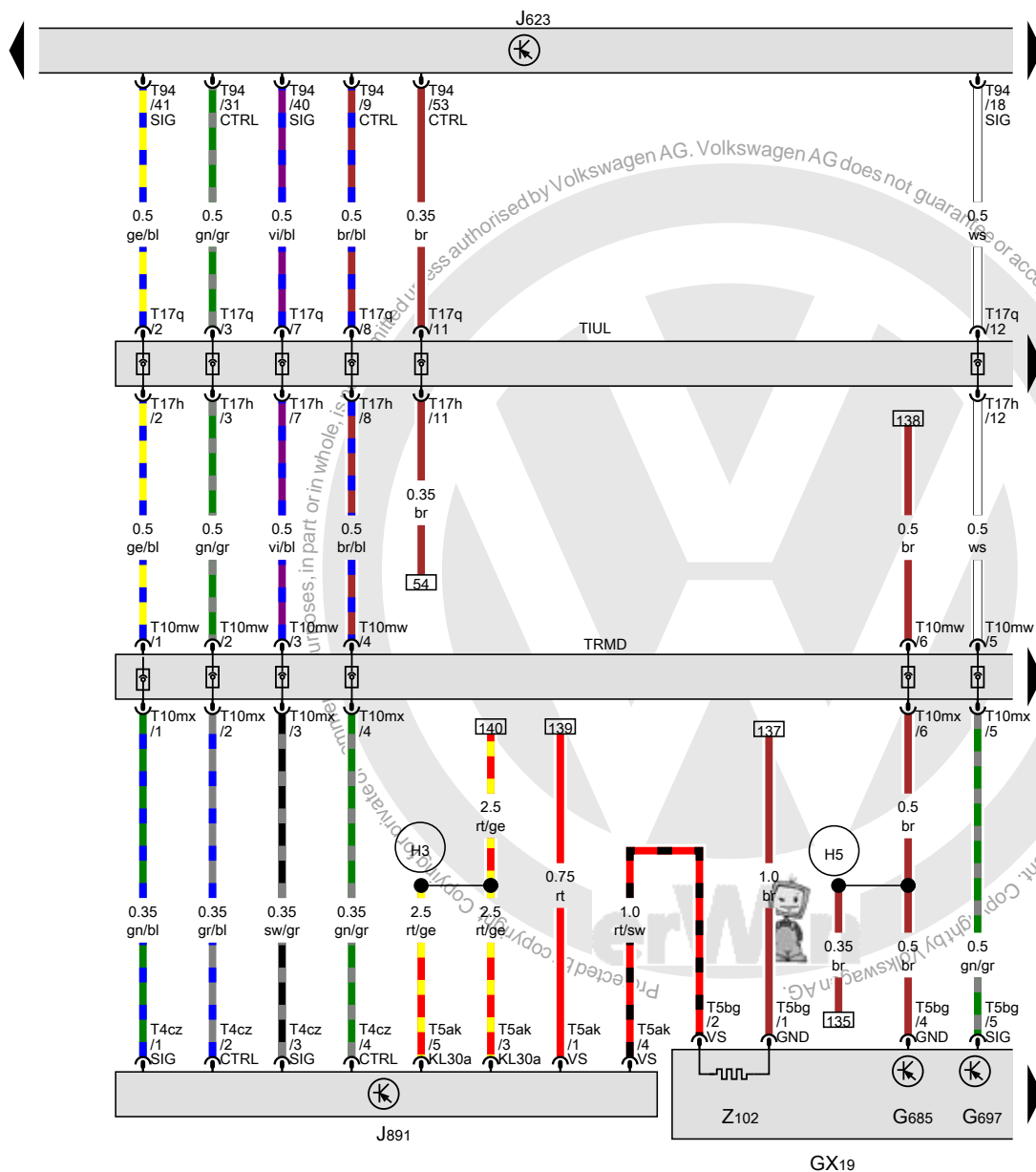
Lambda probe 1 before catalytic converter, Control unit for NOx sender, NOx sender, Tank sender for reducing agent, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Radiator fan

- GX10 Lambda probe 1 before catalytic converter
- GX30 Control unit for NOx sender
- G39 Lambda probe
- G295 NOx sender
- G684 Tank sender for reducing agent
- J583 Control unit for NOx sender
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T2de 2-pin connector, black
- T4cx 4-pin connector, black
- T5ap 5-pin connector, black
- T6w 6-pin connector, black
- T20e 20-pin connector, black
- T94 94-pin connector, black
- VX57 Radiator fan
- Z19 Lambda probe heater

- 317 Earth connection 7, in engine compartment wiring harness
- B385 Connection 3 (powertrain CAN bus, high), in main wiring harness
- B392 Connection 3 (powertrain CAN bus, low), in main wiring harness
- D86 Connection (hydraulic pump warning lamp), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D197 Connection 5 (87a), in engine compartment wiring harness

* Pre-wired component

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



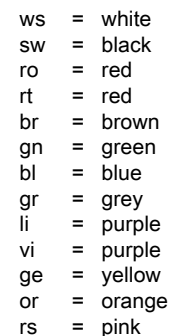
Delivery unit for reducing agent metering system, Temperature sender for reducing agent, Reducing agent level sender, Engine/motor control unit, Control unit for reducing agent heater, Heater for reducing agent tank (heater circuit 1)

- GX19 Delivery unit for reducing agent metering system
- G685 Temperature sender for reducing agent
- G697 Reducing agent level sender
- J623 Engine/motor control unit
- J891 Control unit for reducing agent heater
- T4cz 4-pin connector, black
- T5ak 5-pin connector, colourless
- T5bg 5-pin connector, black
- T10mw 10-pin connector, black
- T10mx 10-pin connector, black
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TRMD Coupling point for reducing agent metering system
- Z102 Heater for reducing agent tank (heater circuit 1)

H3 Connection 1 in wiring harness for reducing agent tank

H5 Connection 3 in wiring harness for reducing agent tank

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- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

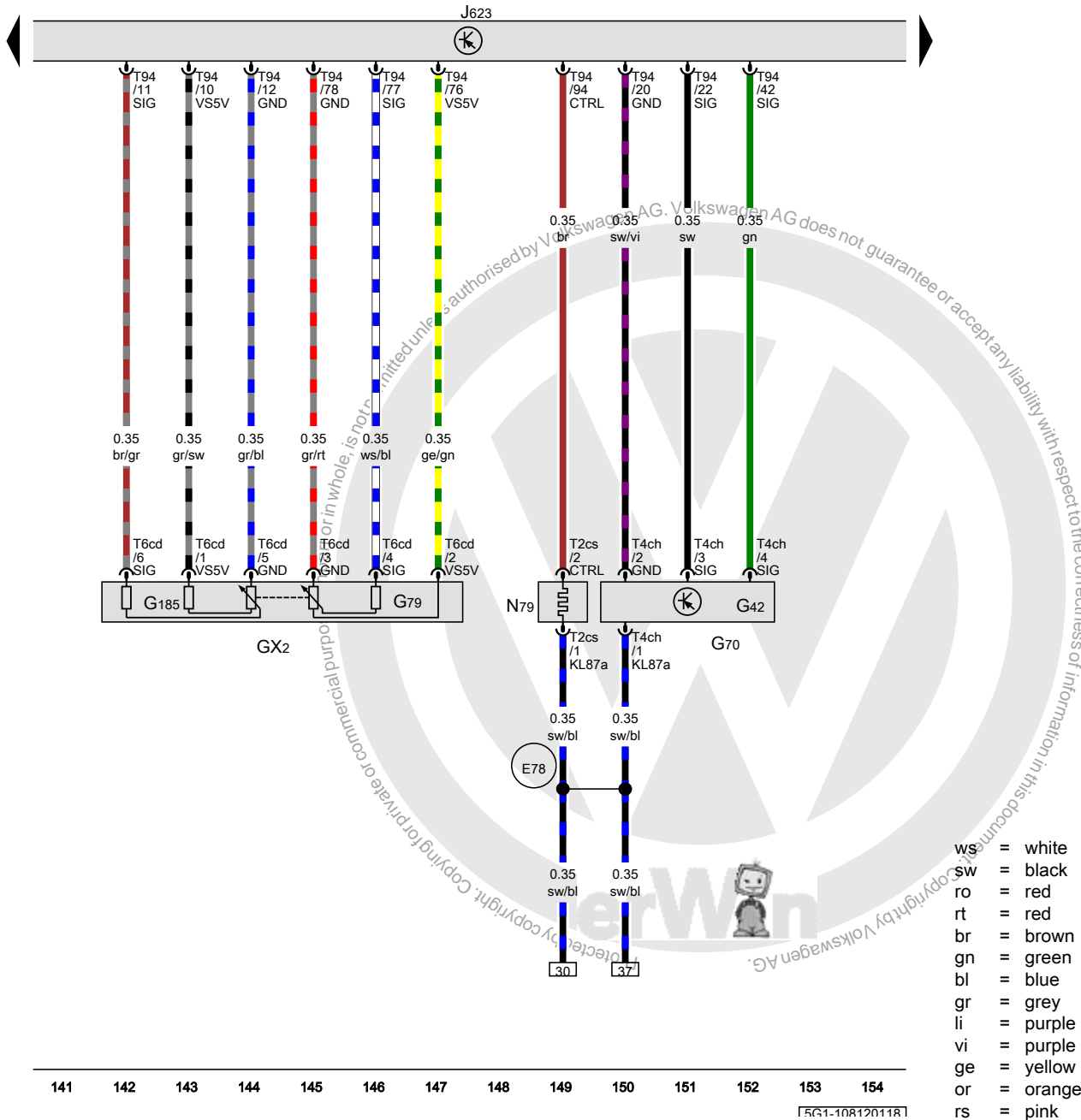


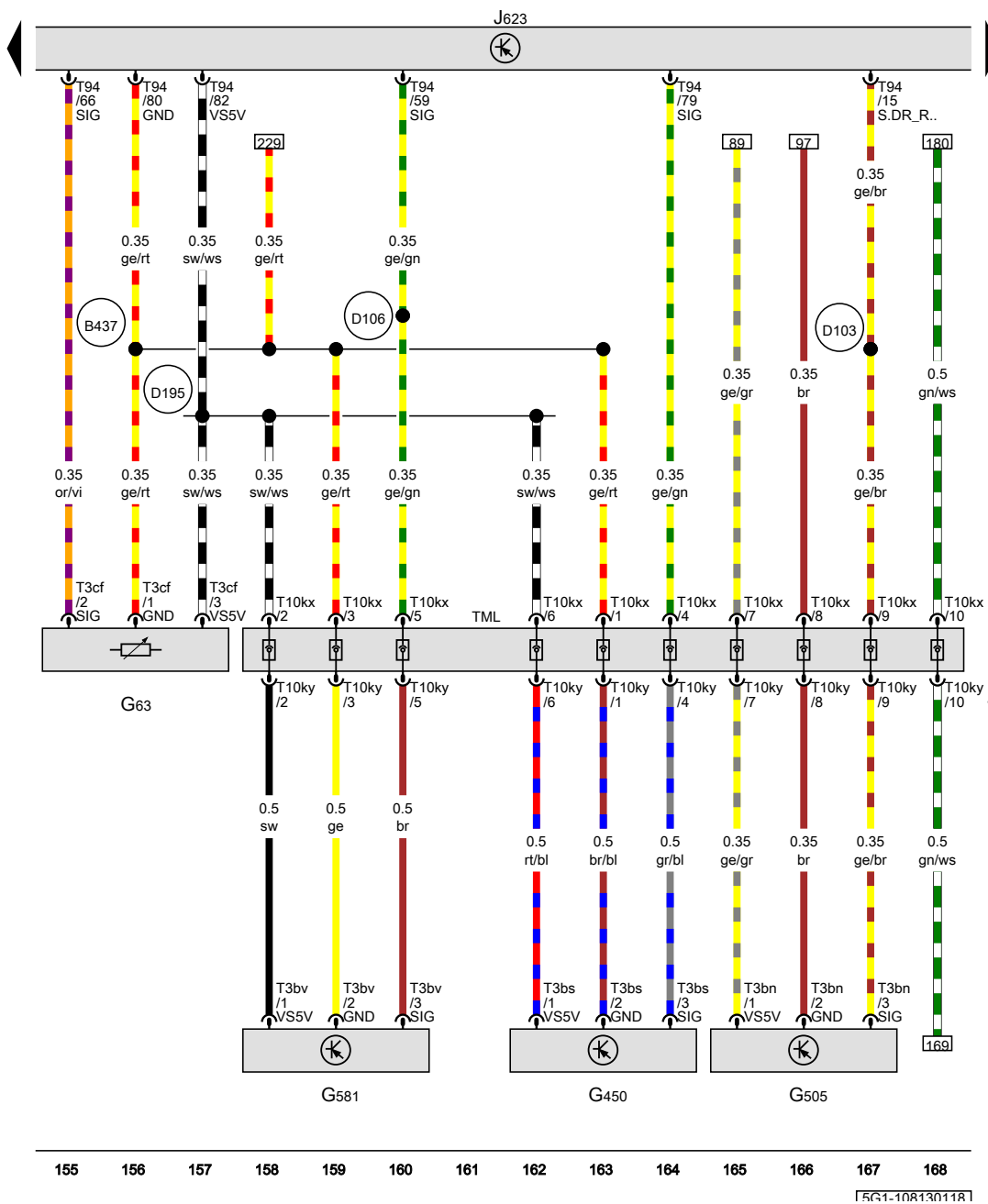
- | | |
|-------|---|
| GX19 | Delivery unit for reducing agent metering system |
| G849 | Reducing agent quality sensor |
| J623 | Engine/motor control unit |
| T2dd | 2-pin connector, black |
| T3xb | 3-pin connector, black |
| T4ez | 4-pin connector, black |
| T5bg | 5-pin connector, black |
| T6de | 6-pin connector, black |
| T6df | 6-pin connector, black |
| T10mw | 10-pin connector, black |
| T10mx | 10-pin connector, black |
| T17h | 17-pin connector, green |
| T17q | 17-pin connector, green |
| T94 | 94-pin connector, black |
| TIUL | Coupling point in interior, below left |
| TRMD | Coupling point for reducing agent metering system |
| V437 | Pump for reducing agent |
| V561 | Reducing agent return flow pump |
| Z104 | Heater for reducing agent line (heater circuit 2) |

481 Earth connection 2, in fuel tank wiring harness

H4 Connection 2 in wiring harness for reducing agent tank

Accelerator pedal module, Air mass meter, Engine/motor control unit, Heater element for crankcase breather

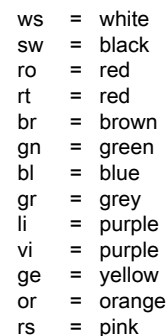




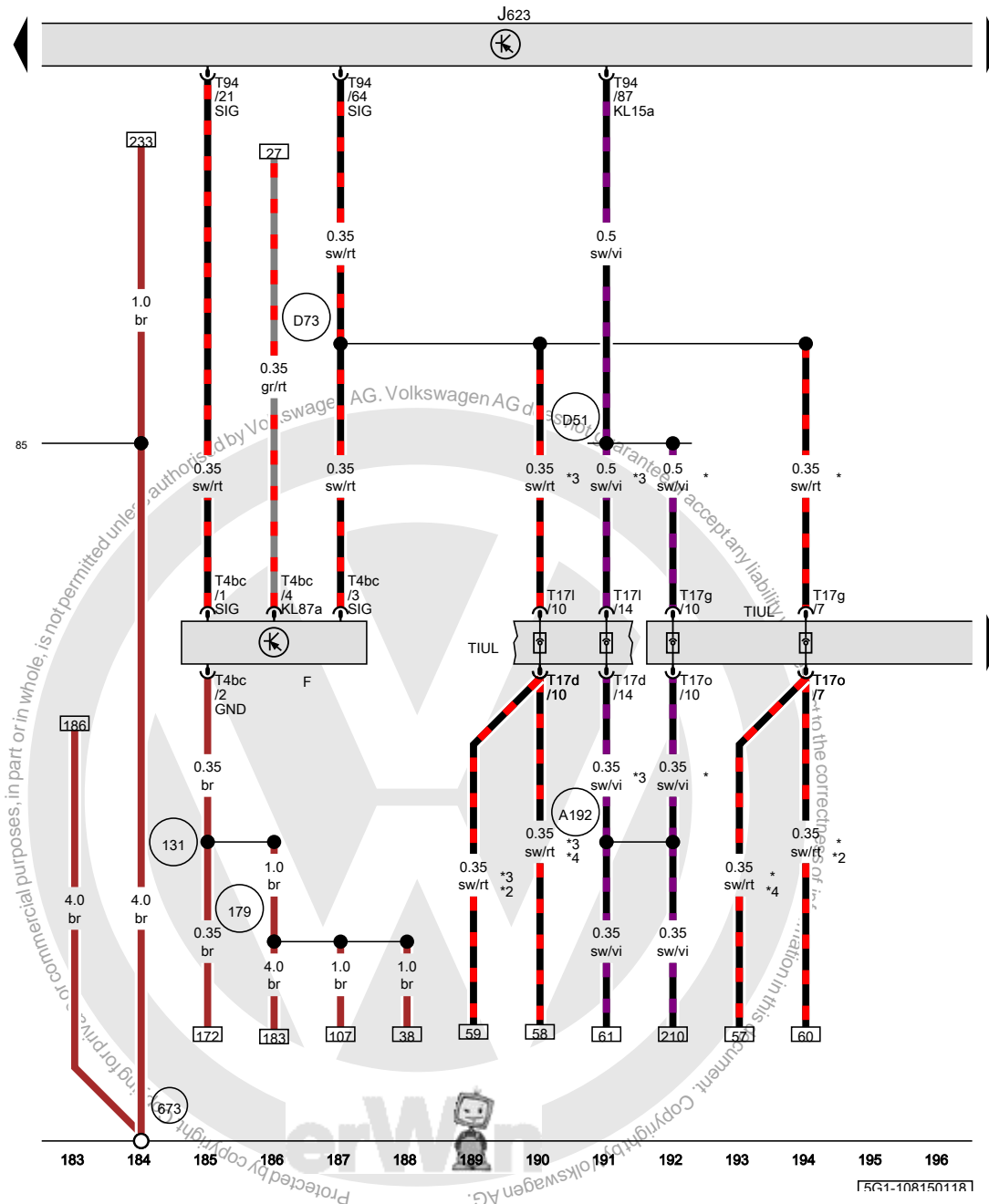
Water separator sender, Exhaust gas pressure sensor 1, Pressure differential sender, Position sender for charge pressure positioner, Engine/motor control unit

- G63 Water separator sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3bn 3-pin connector, black
- T3bs 3-pin connector, black
- T3bv 3-pin connector, brown
- T3cf 3-pin connector, black
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left

- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness



85 Earth connection 1, in engine compartment wiring harness

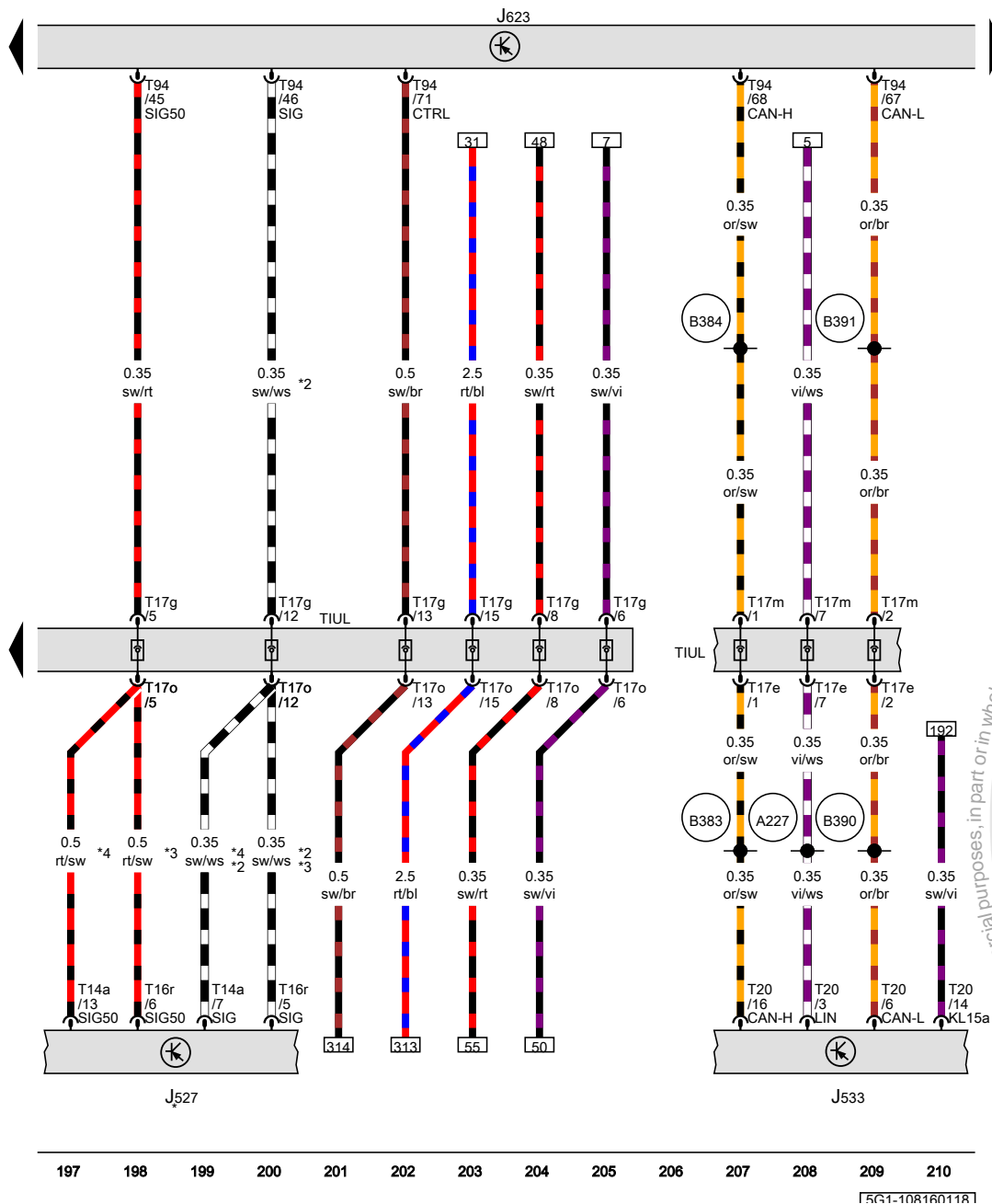


Brake light switch, Engine/motor control unit

- F Brake light switch
- J623 Engine/motor control unit
- T4bc 4-pin connector, black
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left

- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- * Up to November 2017
- *2 For models with no trailer socket
- *3 From November 2017
- *4 For models with trailer socket

Steering column electronics control unit, Data bus diagnostic interface, Engine/motor control unit

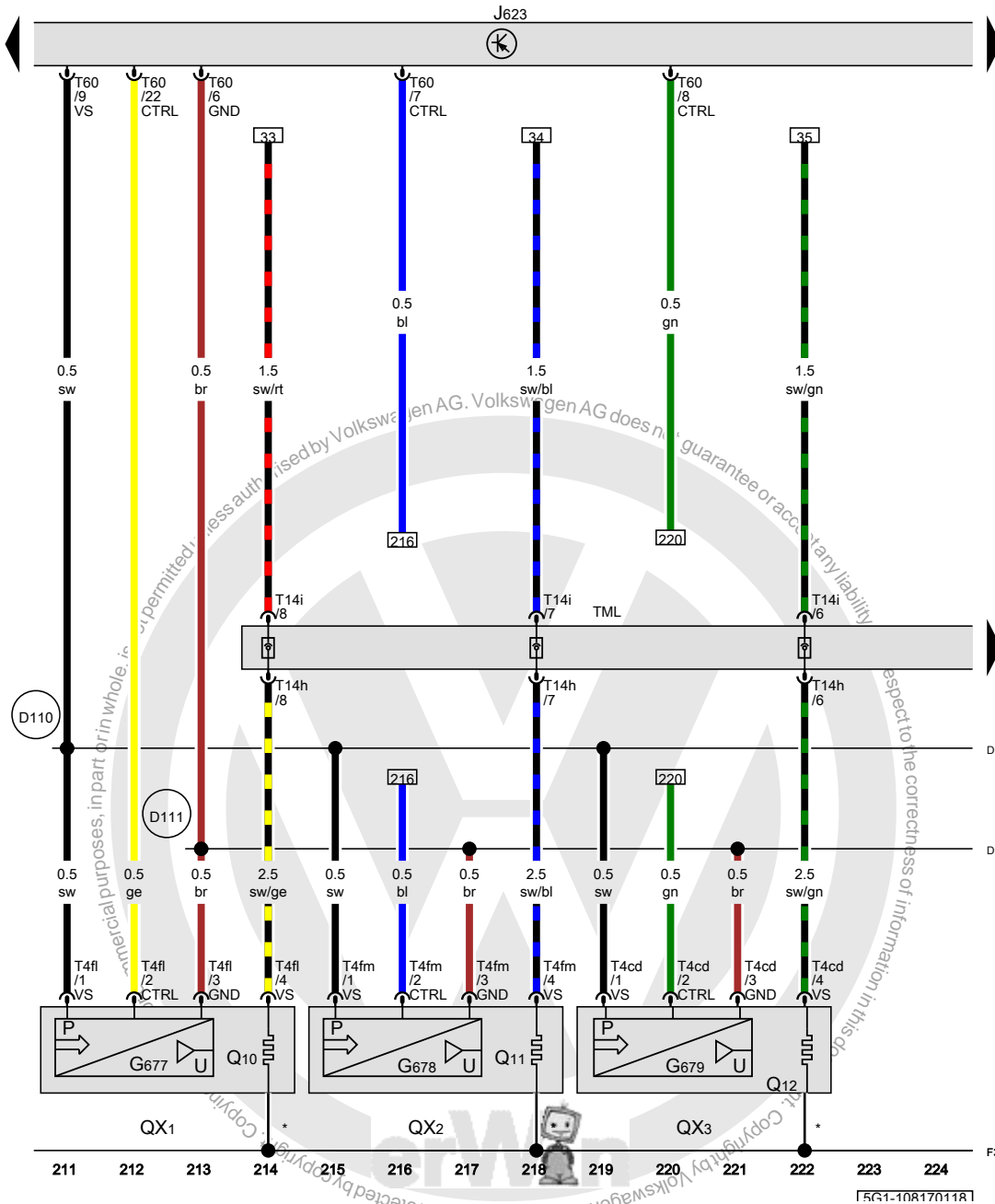


- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T17e 17-pin connector, brown
- T17g 17-pin connector, blue
- T17m 17-pin connector, brown
- T17o 17-pin connector, blue
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left

- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * see applicable current flow diagram
- *2 For models with cruise control system (CCS)
- *3 For models with no heated steering wheel
- *4 For models with heated steering wheel

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine/motor control unit, Glow plug 1, Glow plug 2, Glow plug 3

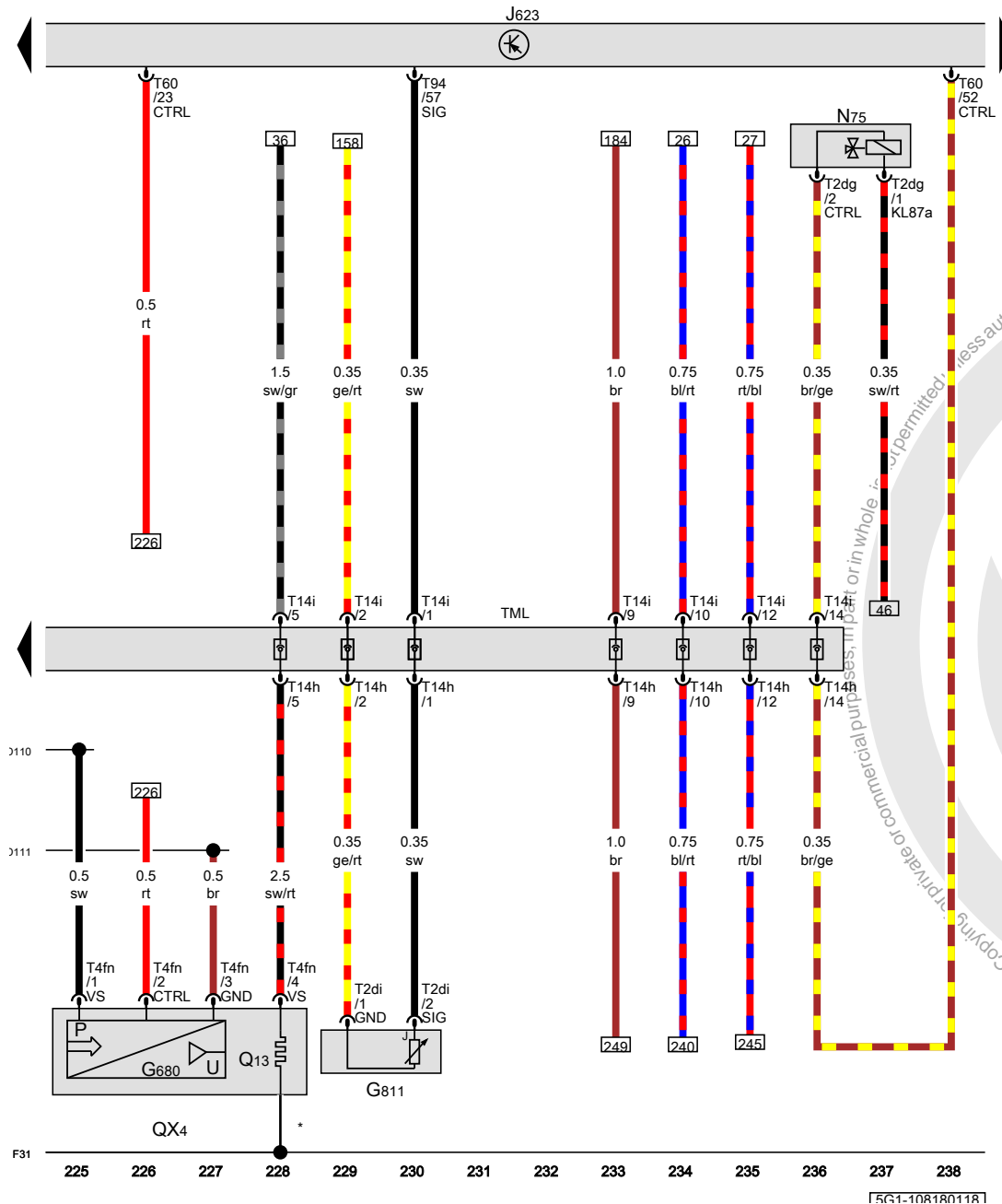


- G677 Cylinder 1 combustion chamber pressure sender
- G678 Cylinder 2 combustion chamber pressure sender
- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX1 Glow plug 1
- QX2 Glow plug 2
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- T4cd 4-pin connector, black
- T4fl 4-pin connector, black
- T4fm 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- TML Coupling point in engine compartment, left

D110 Connection 8 in engine compartment wiring harness

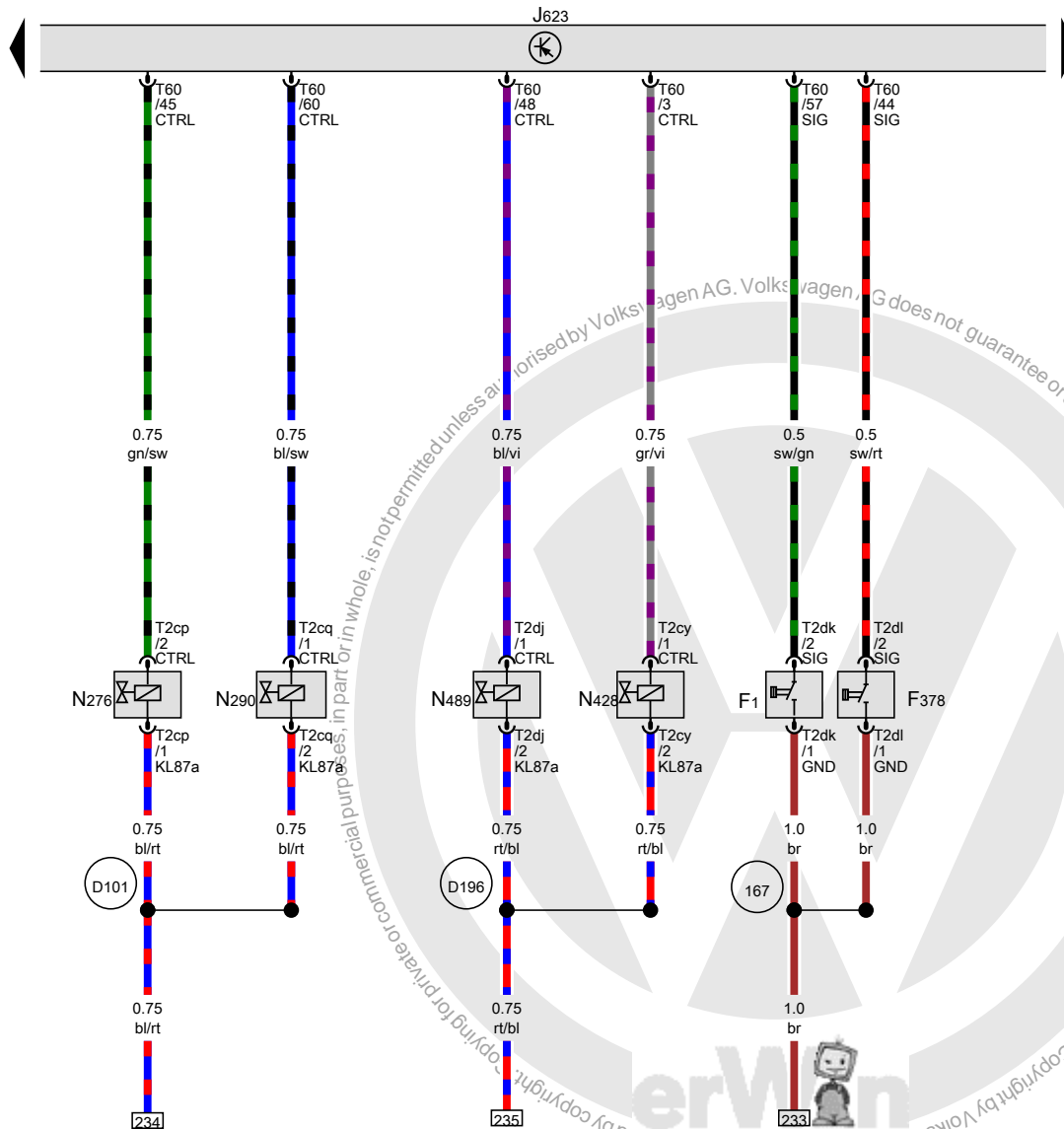
D111 Connection 9 in engine compartment wiring harness

* Earth supply via housing



Charge air temperature sender after charge air cooler, Engine/motor control unit, Charge pressure control solenoid valve, Glow plug 4

- G680 Cylinder 4 combustion chamber pressure sender
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- QX4 Glow plug 4
- Q13 Glow plug 4
- T2dg 2-pin connector, black
- T2di 2-pin connector, black
- T4fn 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- D110 Connection 8 in engine compartment wiring harness
- D111 Connection 9 in engine compartment wiring harness
- * Earth supply via housing

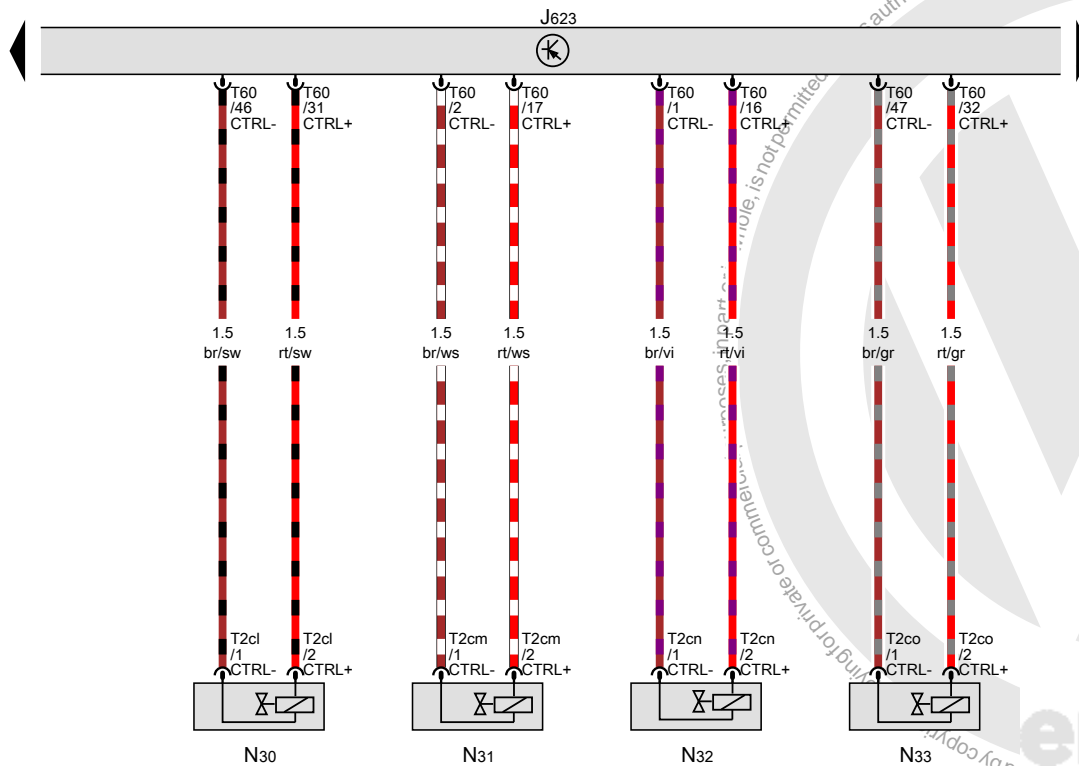


Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector, black
- T2cq 2-pin connector, black
- T2cy 2-pin connector, black
- T2dj 2-pin connector, brown
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T60 60-pin connector, black

- 167 Earth connection 4, in engine compartment wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness

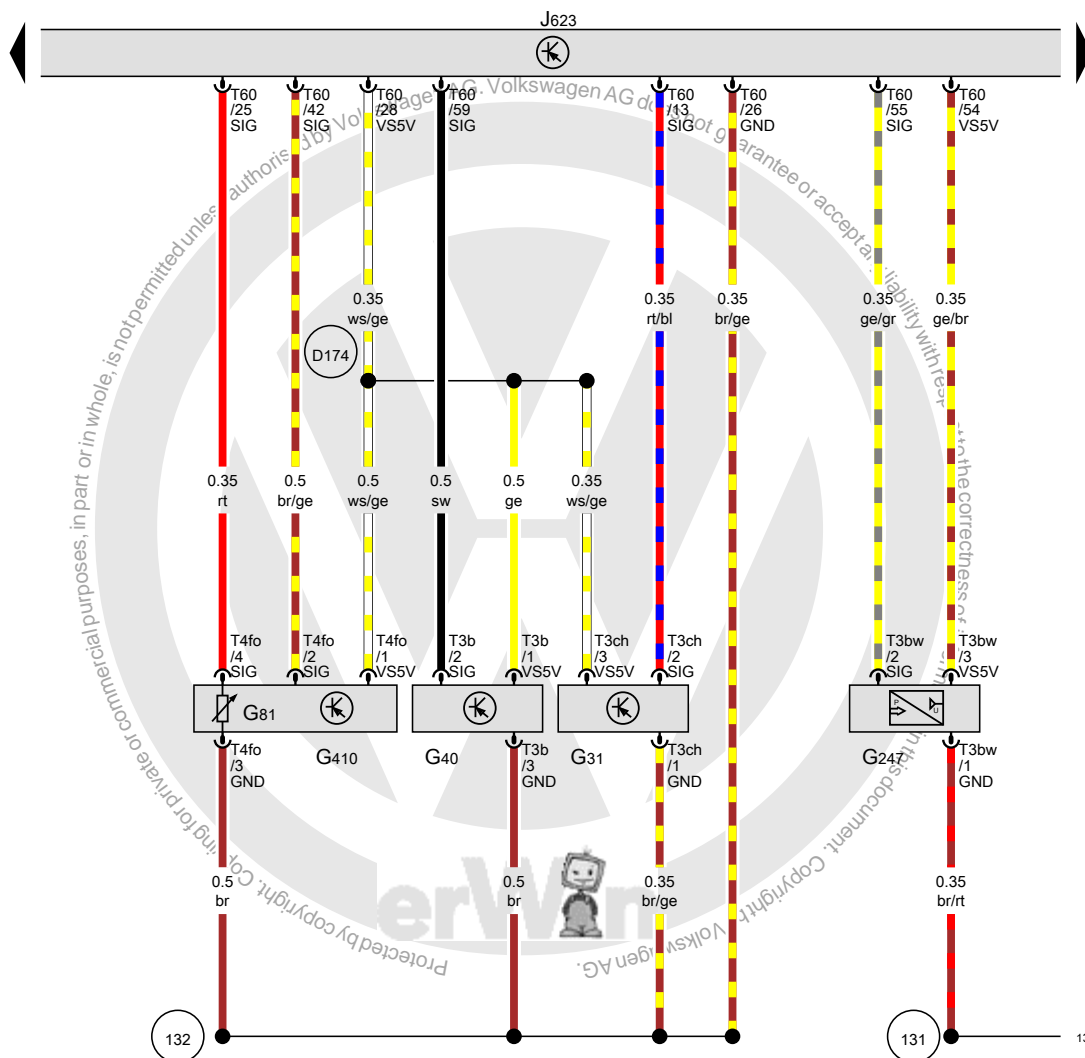
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T60 60-pin connector, black

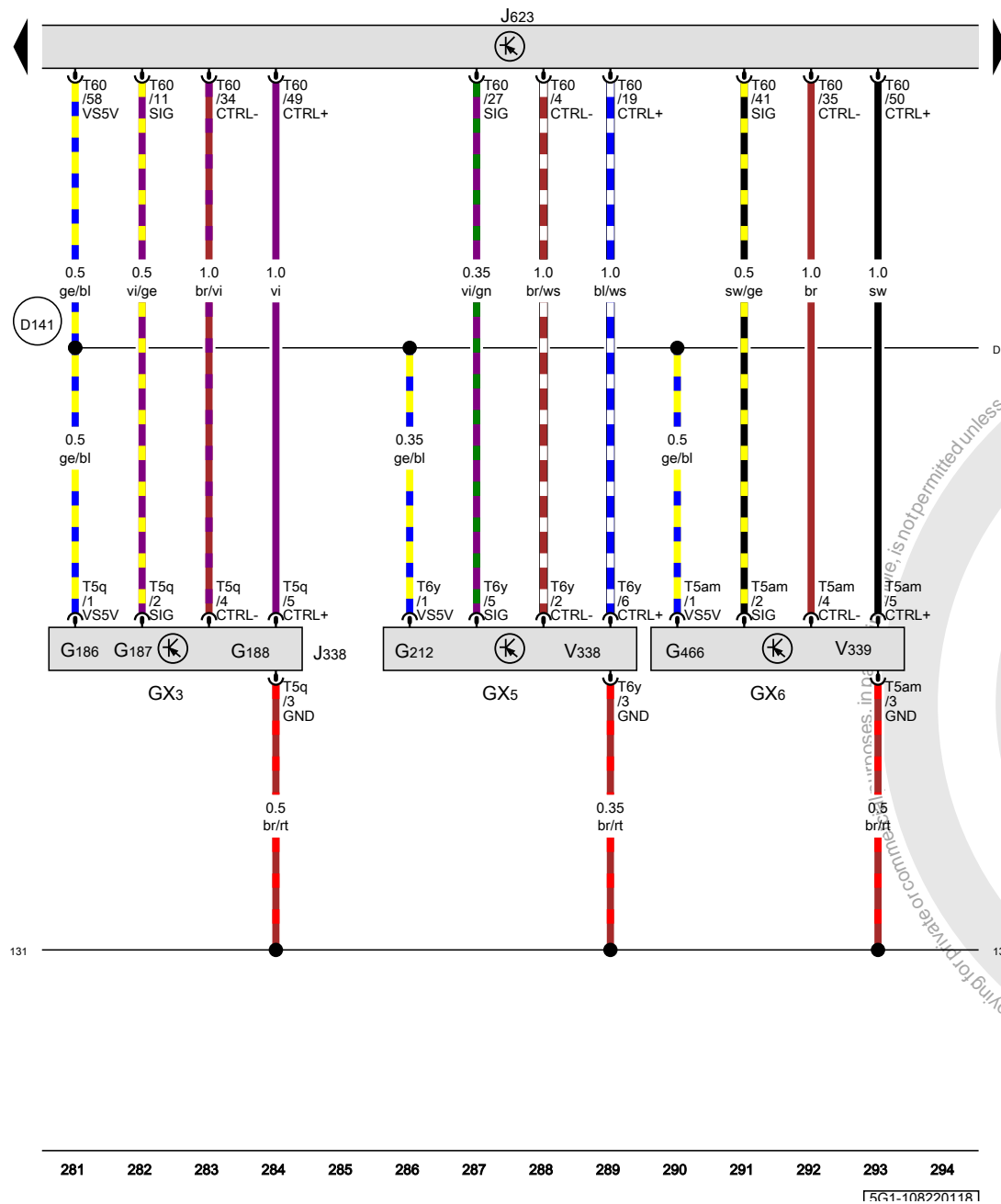
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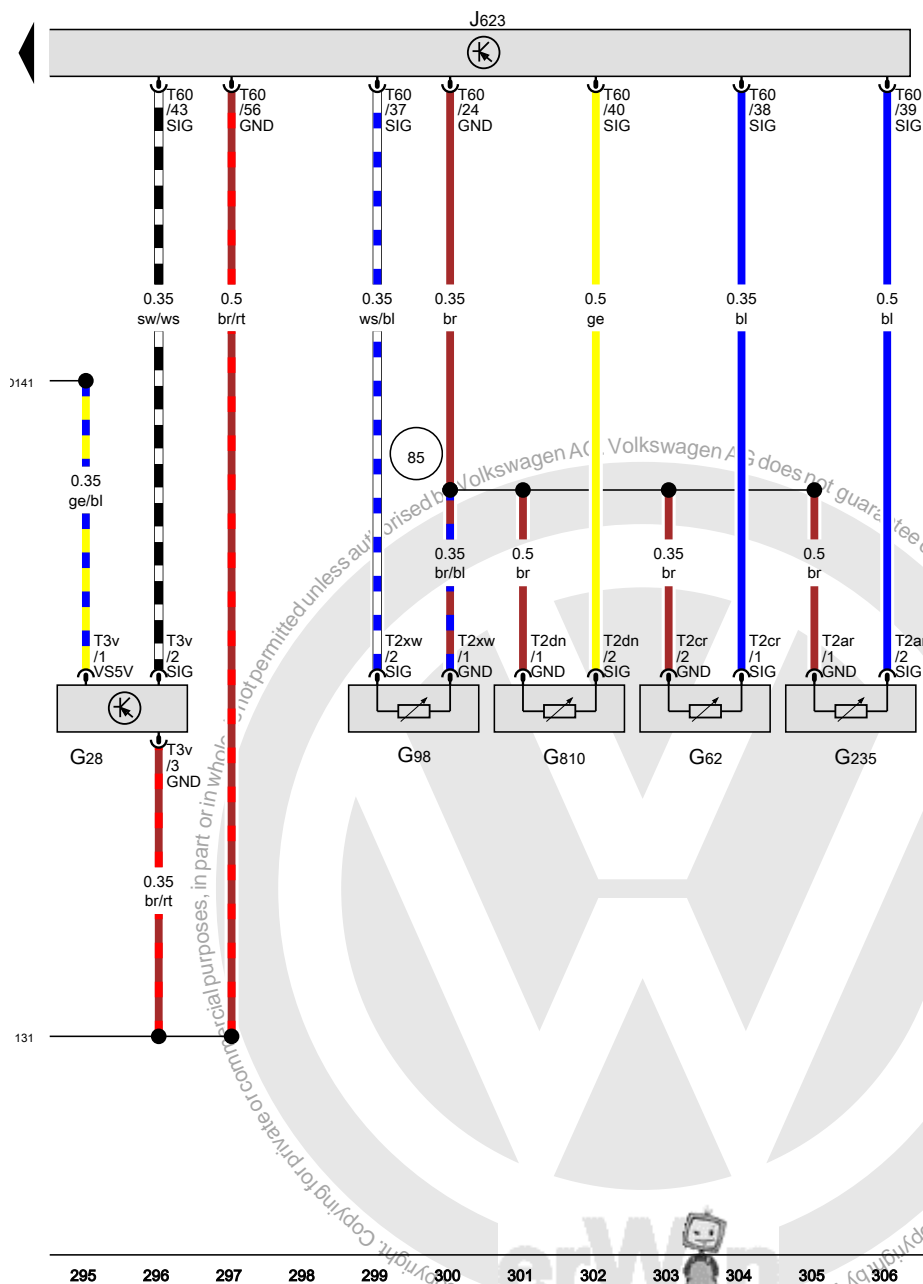
Charge pressure sender, Hall sender, Fuel pressure sender, Fuel pressure sender for low pressure, Engine/motor control unit

- G31 Charge pressure sender
- G40 Hall sender
- G81 Fuel temperature sender
- G247 Fuel pressure sender
- G410 Fuel pressure sender for low pressure
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3ch 3-pin connector, black
- T4fo 4-pin connector, black
- T60 60-pin connector, black
- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D174 Connection 2 (5V) in engine prewiring harness

Throttle valve module, Exhaust gas recirculation valve 1,
Exhaust gas recirculation valve 2, Engine/motor control unit



- GX3 Throttle valve module
- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J338 Throttle valve module
- J623 Engine/motor control unit
- T5am 5-pin connector, black
- T5q 5-pin connector, black
- T6y 6-pin connector, grey
- T60 60-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2
- 131 Earth connection 2, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness



Engine speed sender, Coolant temperature sender, Exhaust gas recirculation temperature sensor, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine/motor control unit

- G28 Engine speed sender
- G62 Coolant temperature sender
- G98 Exhaust gas recirculation temperature sensor
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine/motor control unit
- T2ar 2-pin connector, black
- T2cr 2-pin connector, black
- T2dn 2-pin connector, black
- T2xw 2-pin connector, black
- T3v 3-pin connector, black
- T60 60-pin connector, black

- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

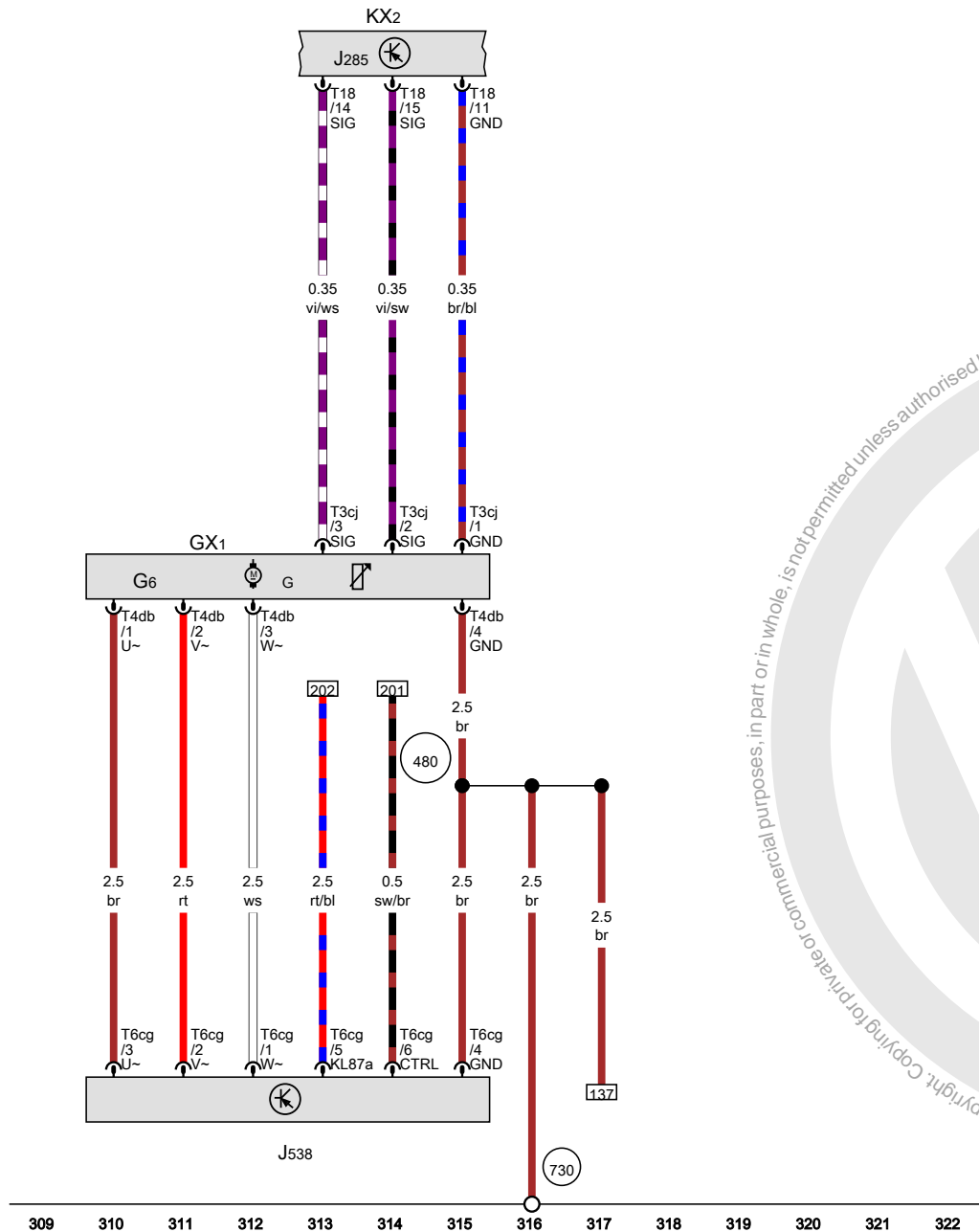
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- ro = red
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- br = brown
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- gr = grey
- li = purple
- vi = purple
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black

480 Earth connection, in fuel tank wiring harness

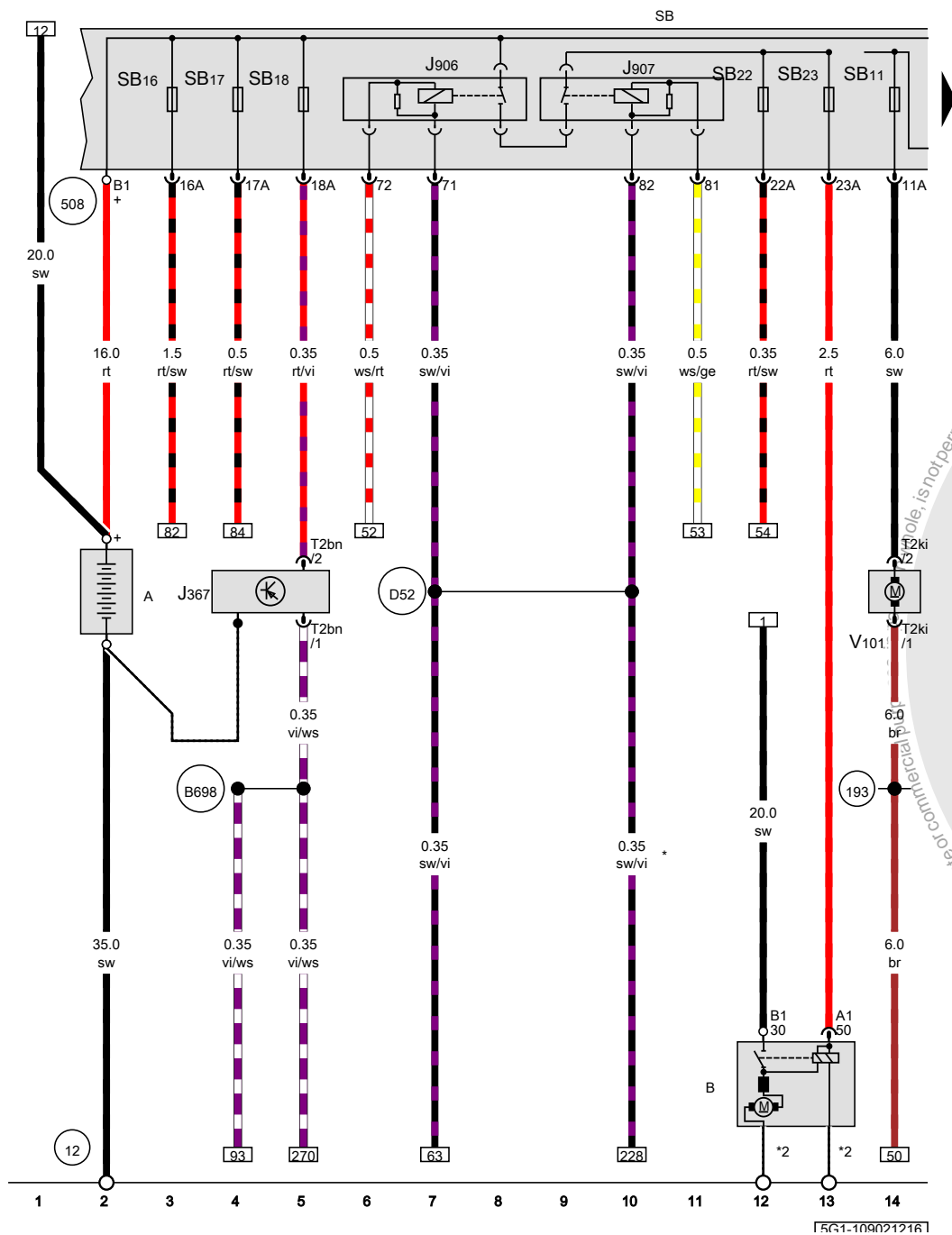
730 Earth point 1, on right rear wheel housing



2.0l petrol engine , CYFB

From November 2015



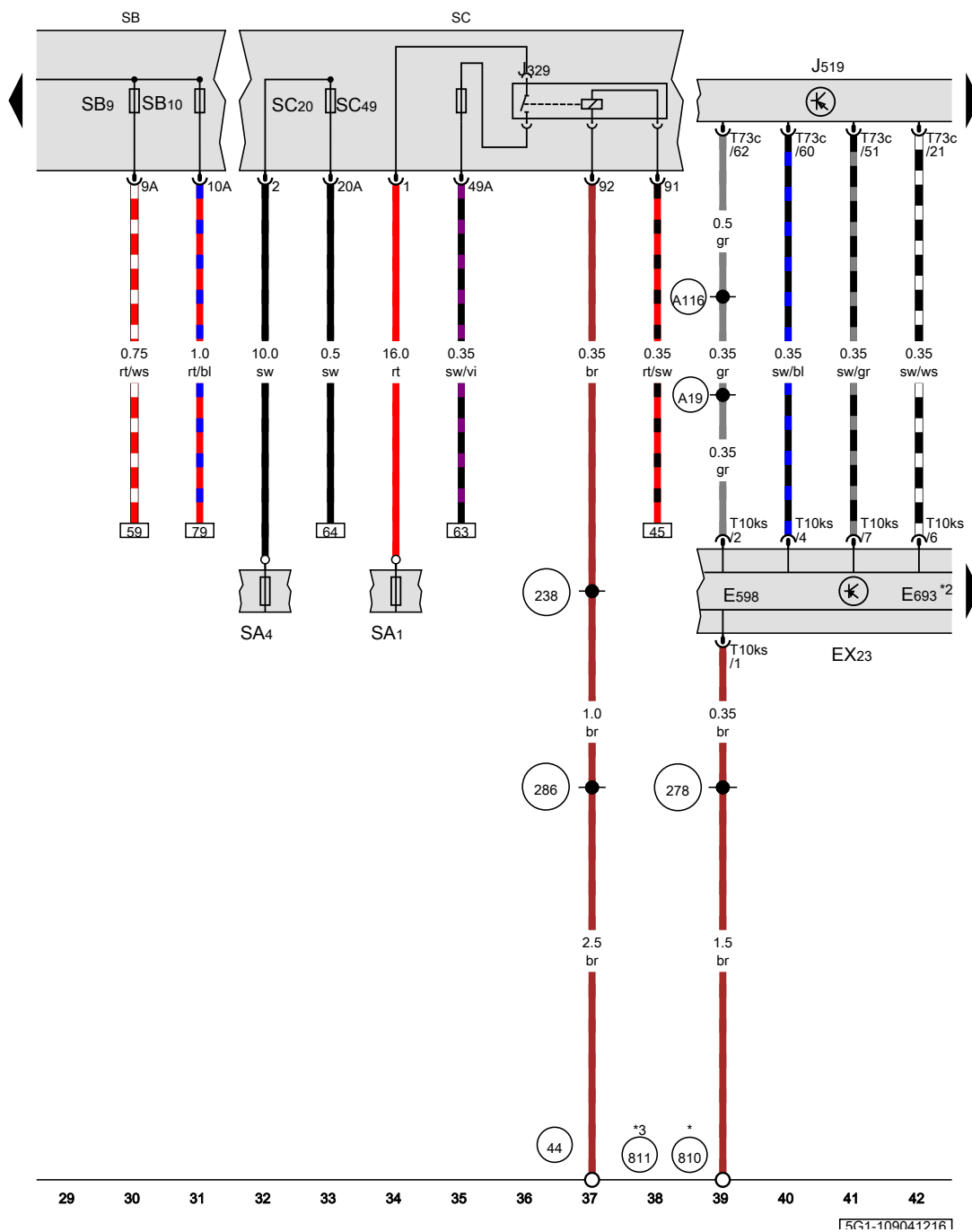


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- T2ki 2-pin connector
- V101 Secondary air pump motor
- 12 Earth point, on left in engine compartment
- 193 Earth connection 1, in coolant fan wiring harness
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Earth supply via housing

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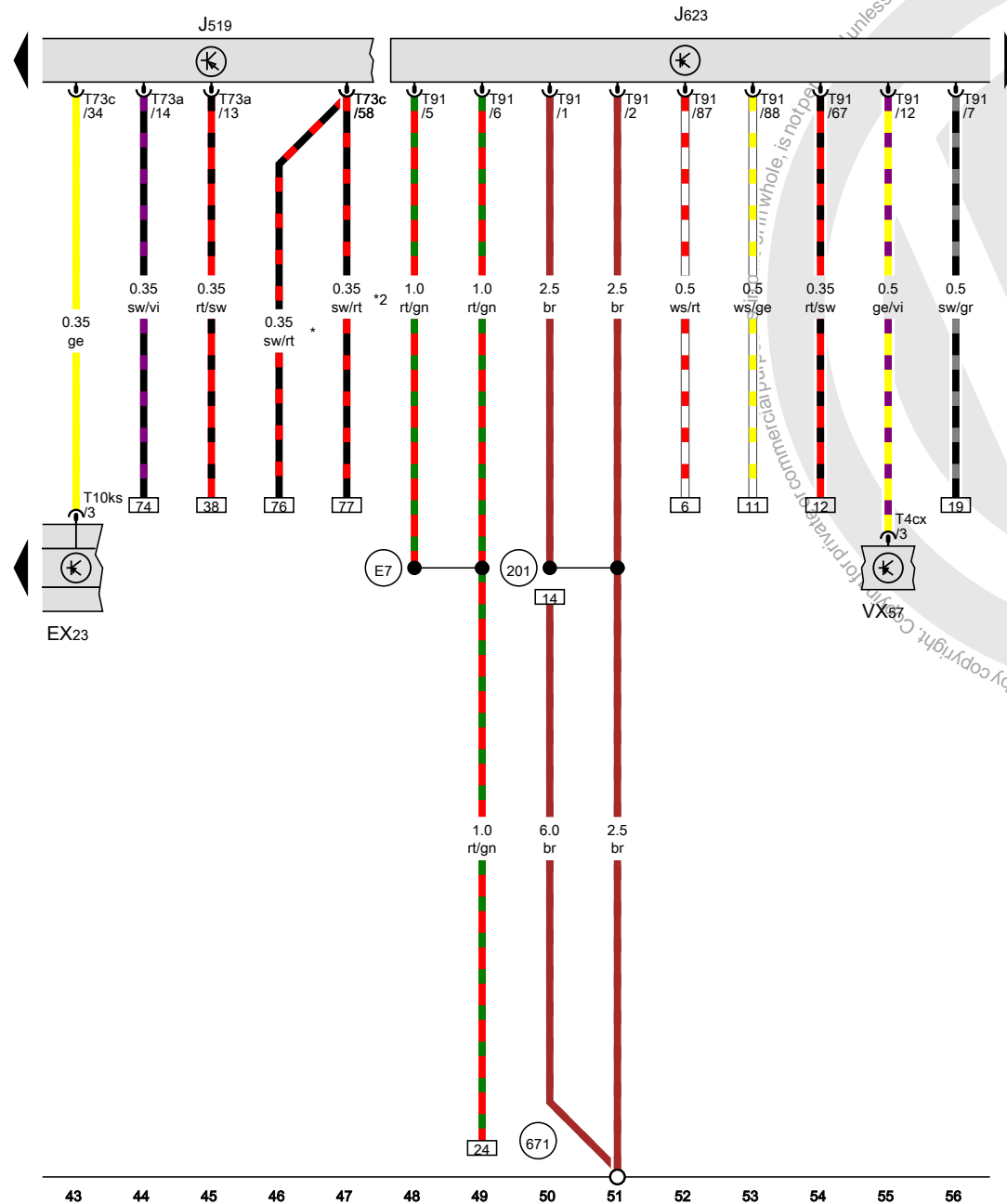


Switch module 1 in centre console, Driving program button, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E693 Start/Stop operation button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SB Fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Only left-hand drive models
- *2 Only models with start/stop system
- *3 Only right-hand drive models

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Switch module 1 in centre console, Onboard supply control unit, Engine control unit

- EX23 Switch module 1 in centre console
- J519 Onboard supply control unit
- J623 Engine control unit
- T4cx 4-pin connector
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector
- T91 91-pin connector, black
- VX57 Radiator fan

201 Earth connection 5, in engine compartment wiring harness

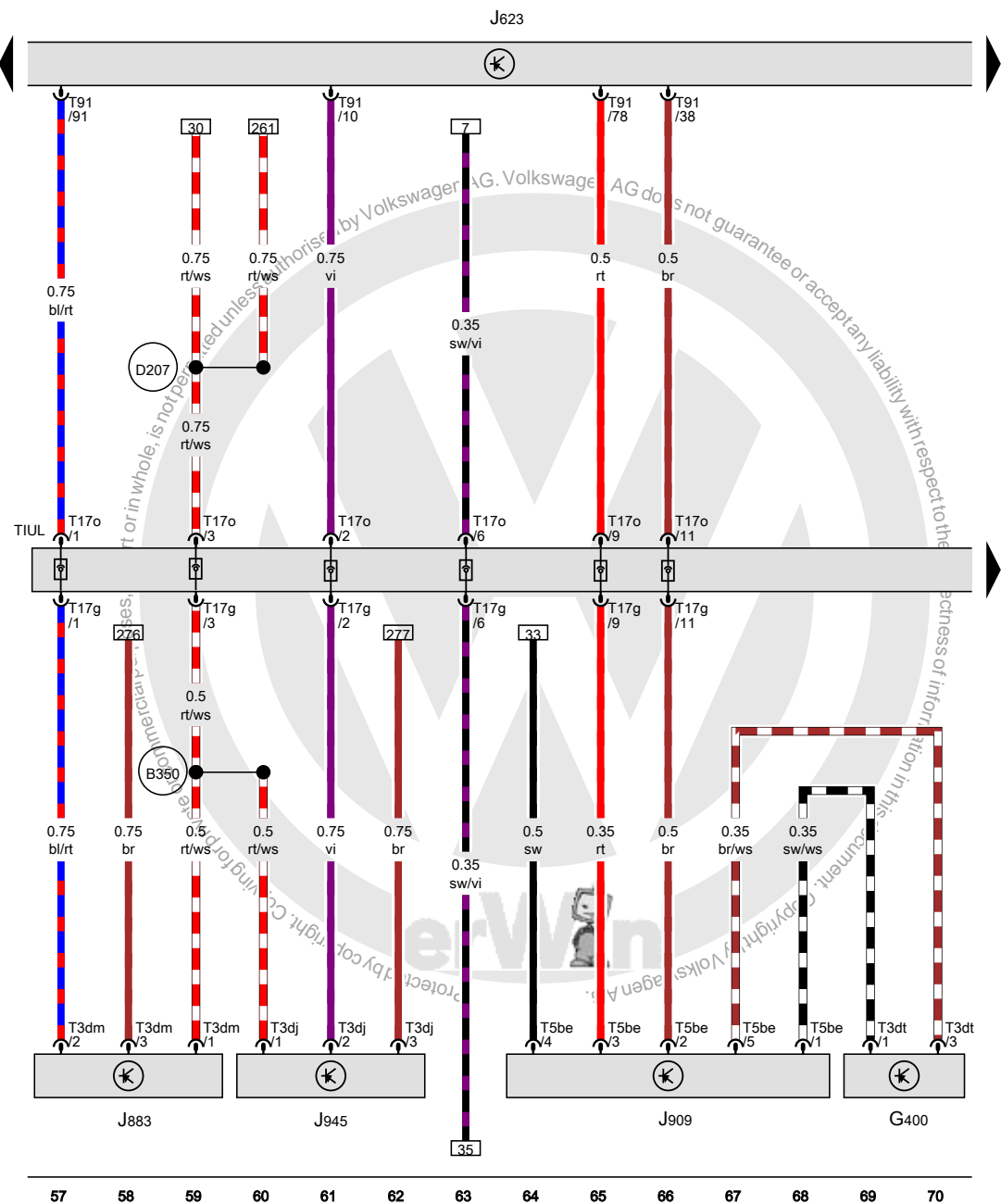
671 Earth point 1, on front of left longitudinal member

E7 Connection (87a), in Motronic wiring harness

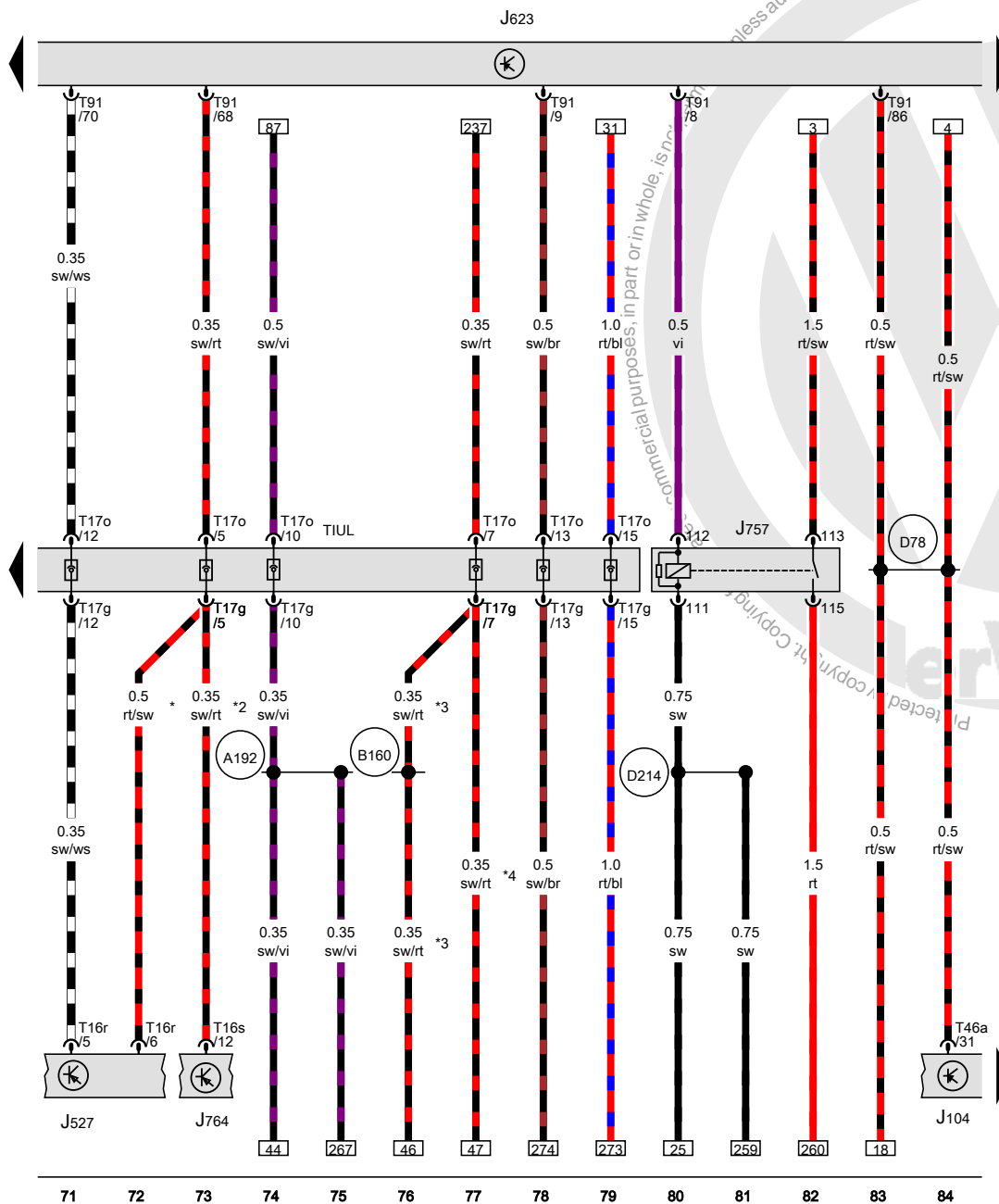
* Only models with towing bracket

*2 Only models with no towing bracket

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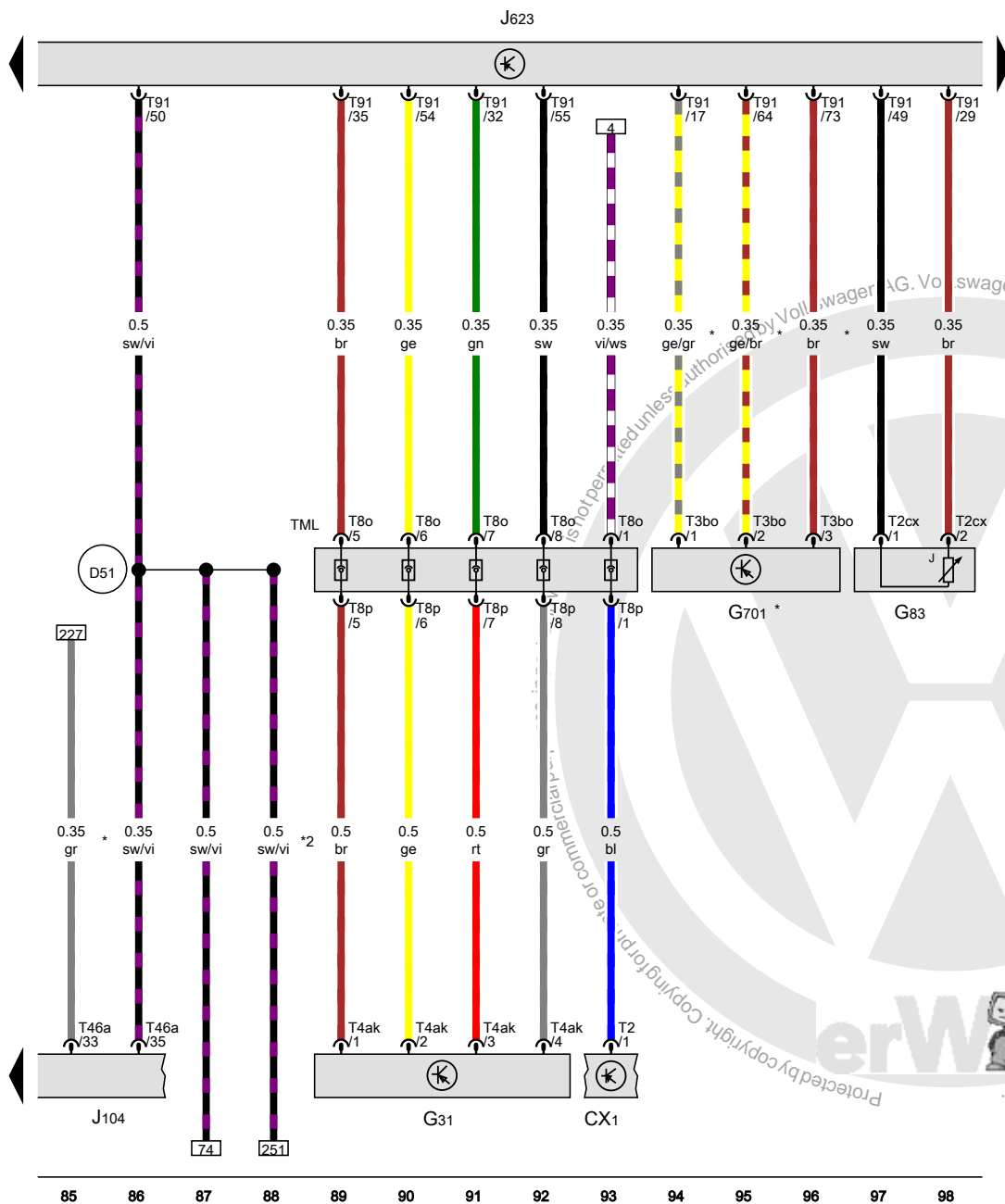
**ABS control unit, Steering column electronics control unit,
Engine control unit, Engine component current supply relay,
Control unit for electronic steering column lock**

- J104 ABS control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- J757 Engine component current supply relay, in E-box in engine compartment
- J764 Control unit for electronic steering column lock
- T16r 16-pin connector
- T16s 16-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T46a 46-pin connector
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- B160 Connection (brake system monitor), in interior wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness

- *1 Only models with no entry and start authorisation
- *2 Only models with entry and start authorisation
- *3 Only models with towing bracket
- *4 Only models with no towing bracket

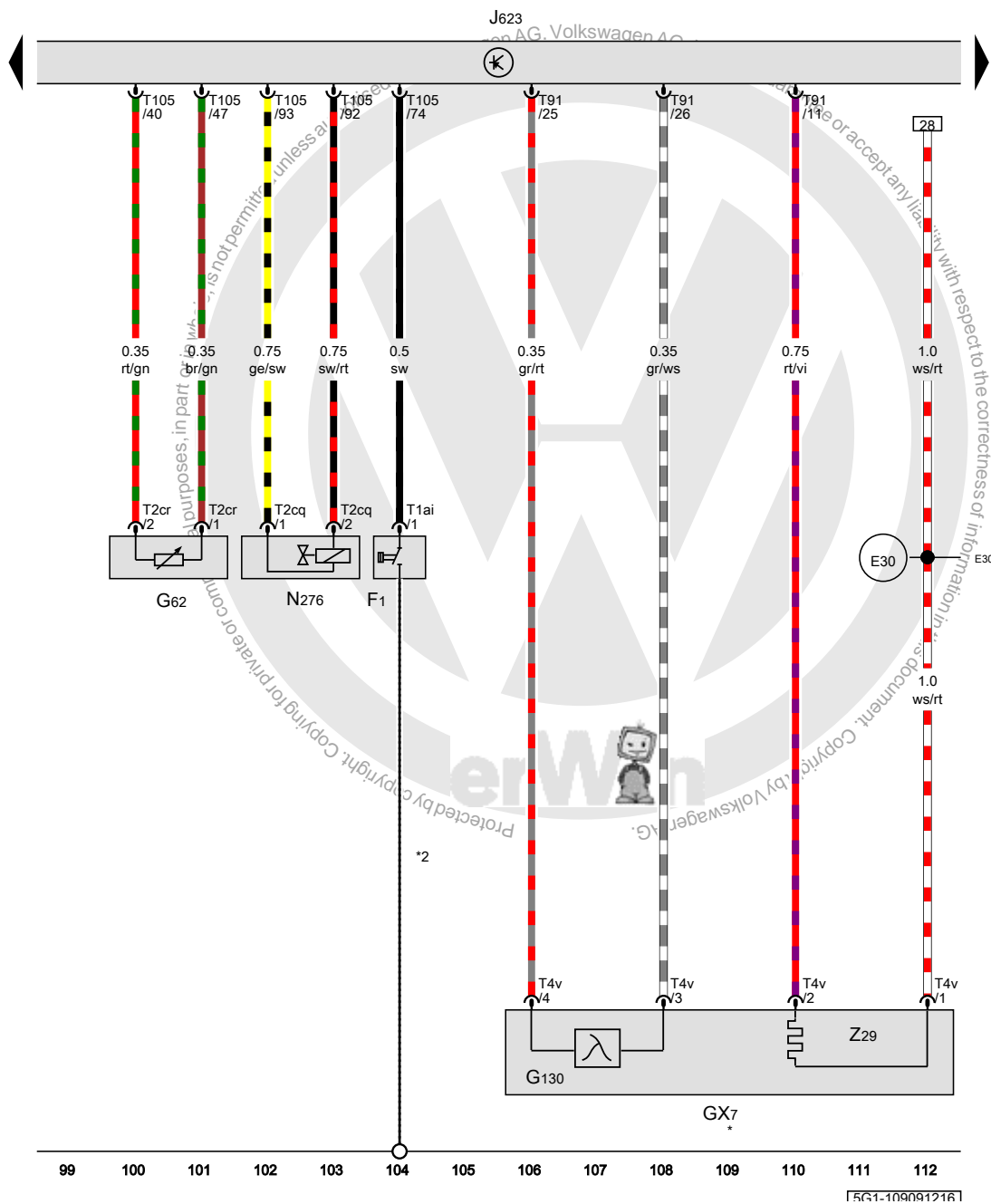
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Alternator with voltage regulator, Charge pressure sender, Radiator outlet coolant temperature sender, Gearbox neutral position sender, ABS control unit, Engine control unit

- CX1 Alternator with voltage regulator
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine control unit
- T2 2-pin connector
- T2cx 2-pin connector
- T3bo 3-pin connector
- T4ak 4-pin connector
- T8o 8-pin connector, black
- T8p 8-pin connector, black
- T46a 46-pin connector
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with automatic gearbox

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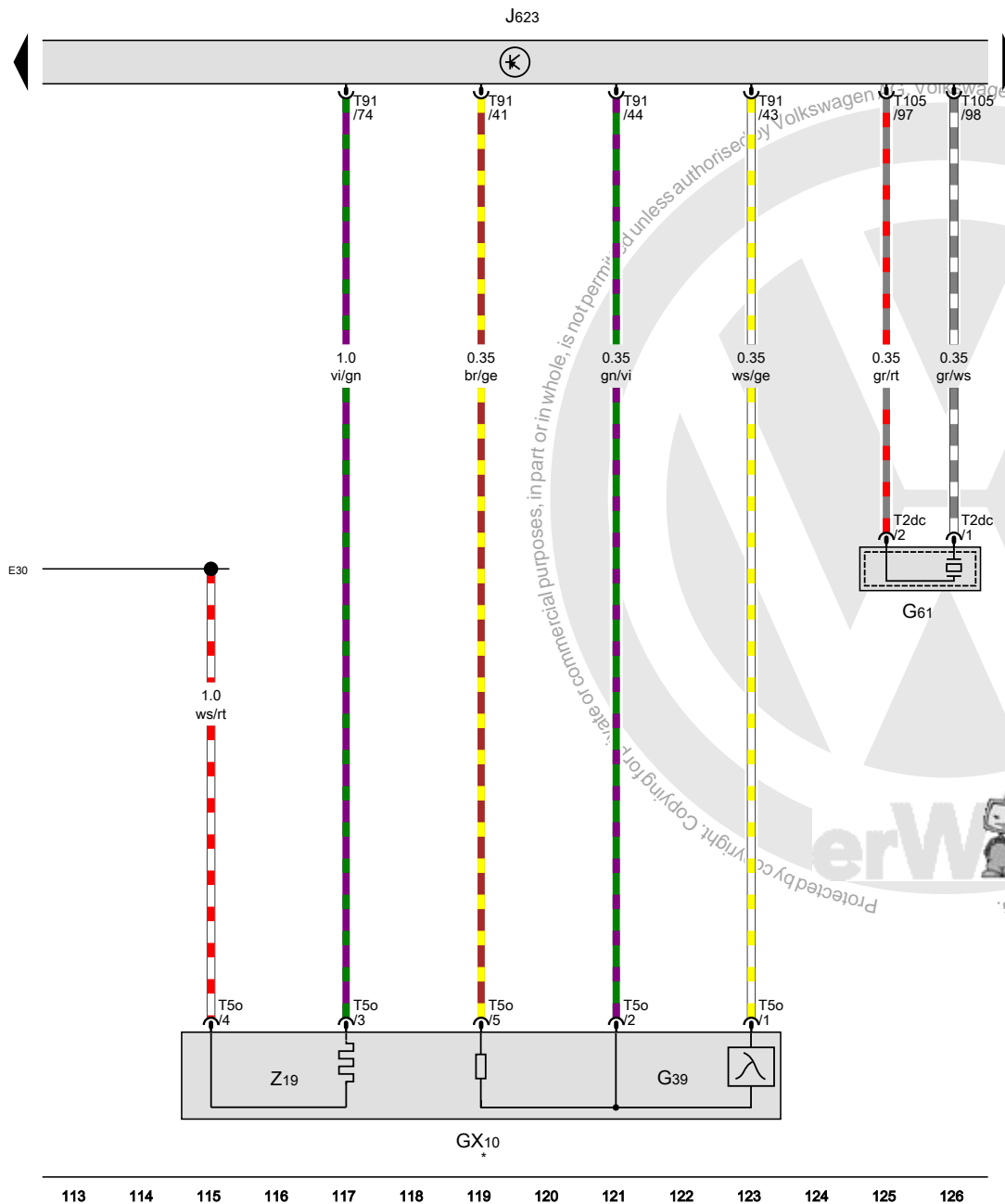
Oil pressure switch, Lambda probe 1 after catalytic converter, Coolant temperature sender, Engine control unit, Fuel pressure regulating valve

- F1 Oil pressure switch
- GX7 Lambda probe 1 after catalytic converter
- G62 Coolant temperature sender
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- T1ai 1-pin connector, dark blue
- T2cq 2-pin connector, black
- T2cr 2-pin connector, black
- T4v 4-pin connector
- T91 91-pin connector, black
- T105 105-pin connector, black
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

- * Pre-wired component
- *2 Earth supply via housing

Lambda probe 1 before catalytic converter, Knock sensor 1, Engine control unit

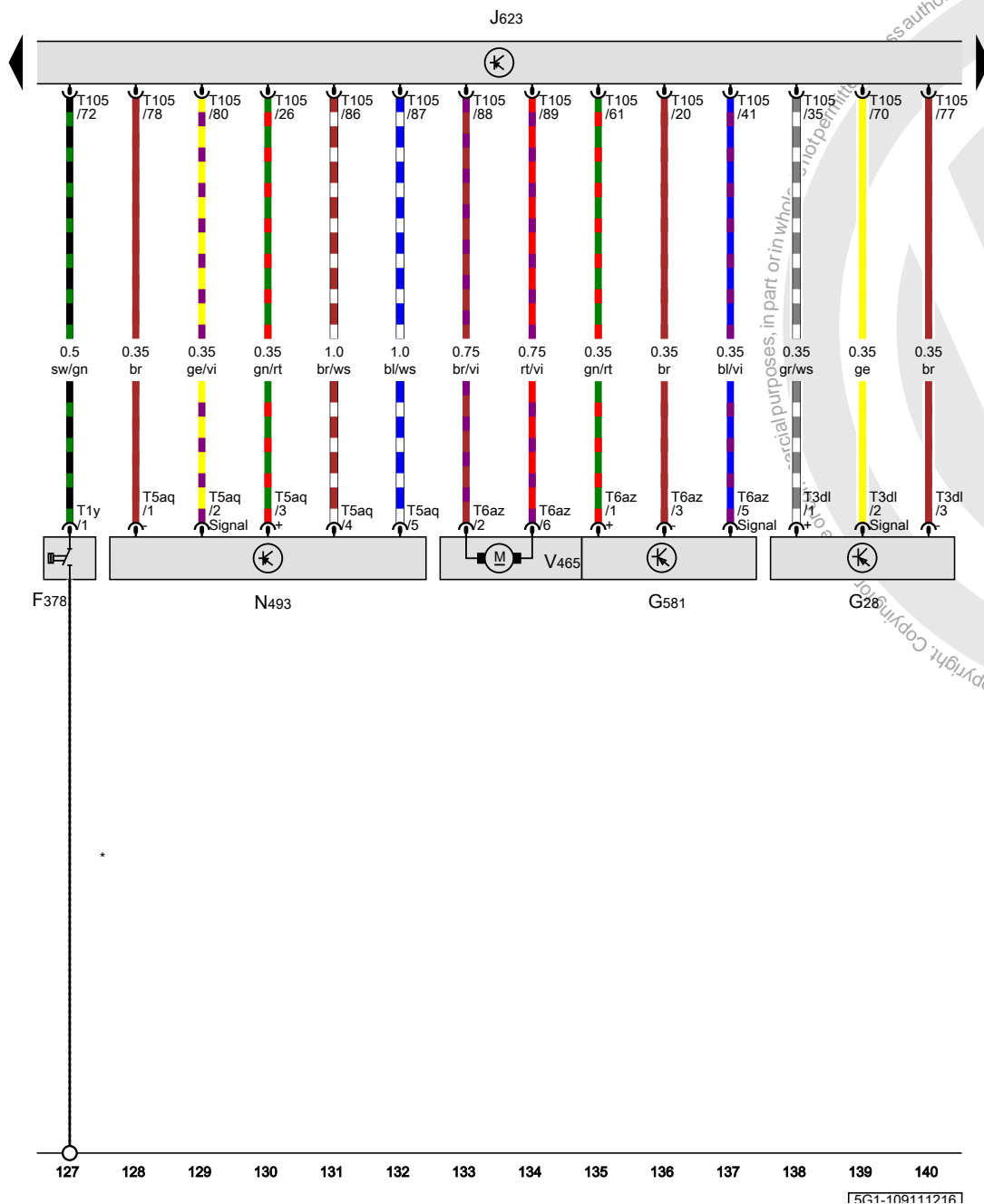


- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G61 Knock sensor 1
- J623 Engine control unit
- T2dc 2-pin connector, black
- T5o 5-pin connector
- T91 91-pin connector, black
- T105 105-pin connector, black
- Z19 Lambda probe heater

E30 Connection (87a), in engine wiring harness

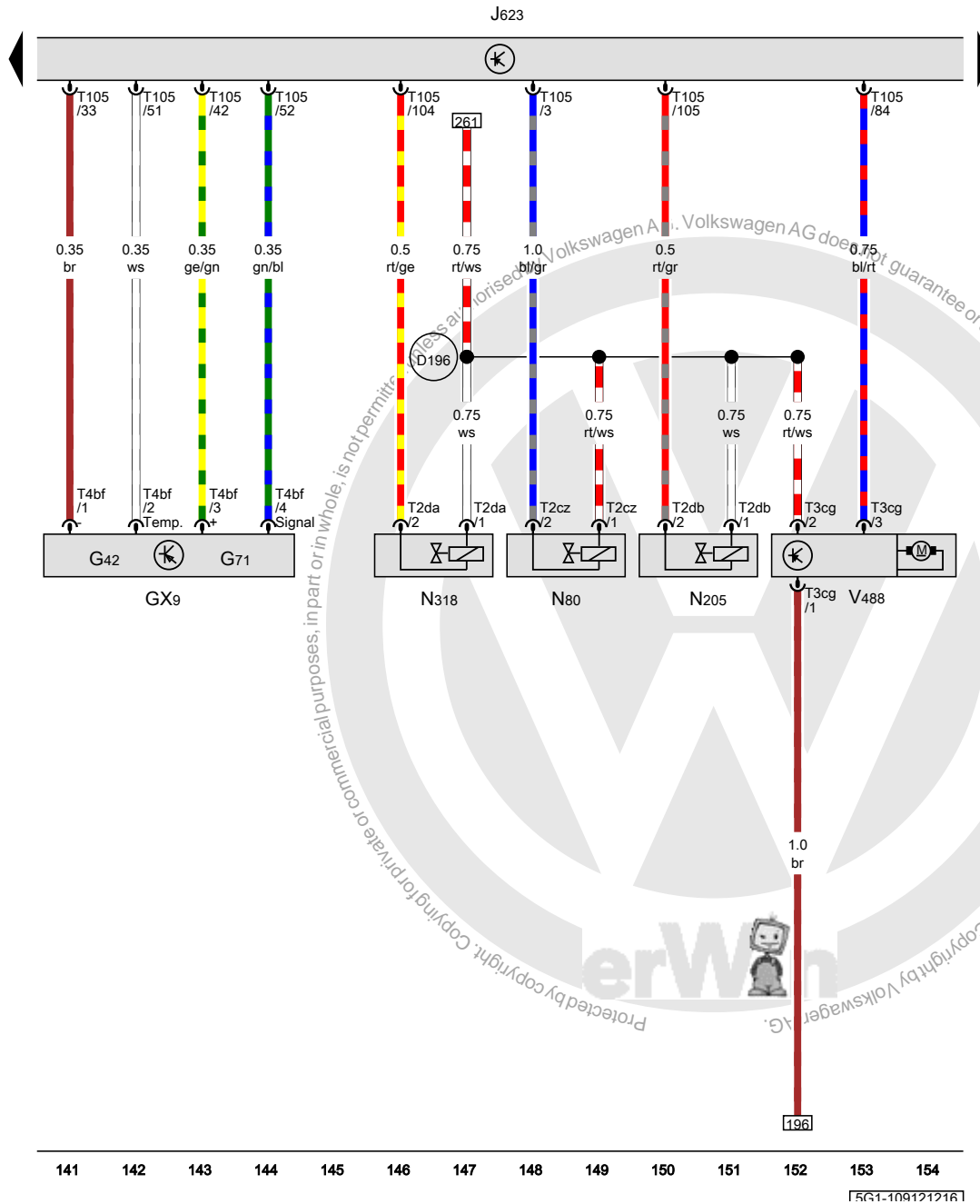
* Pre-wired component

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Oil pressure switch for reduced oil pressure, Engine speed sender, Position sender for charge pressure positioner, Engine control unit, Actuator for engine temperature regulation, Charge pressure positioner

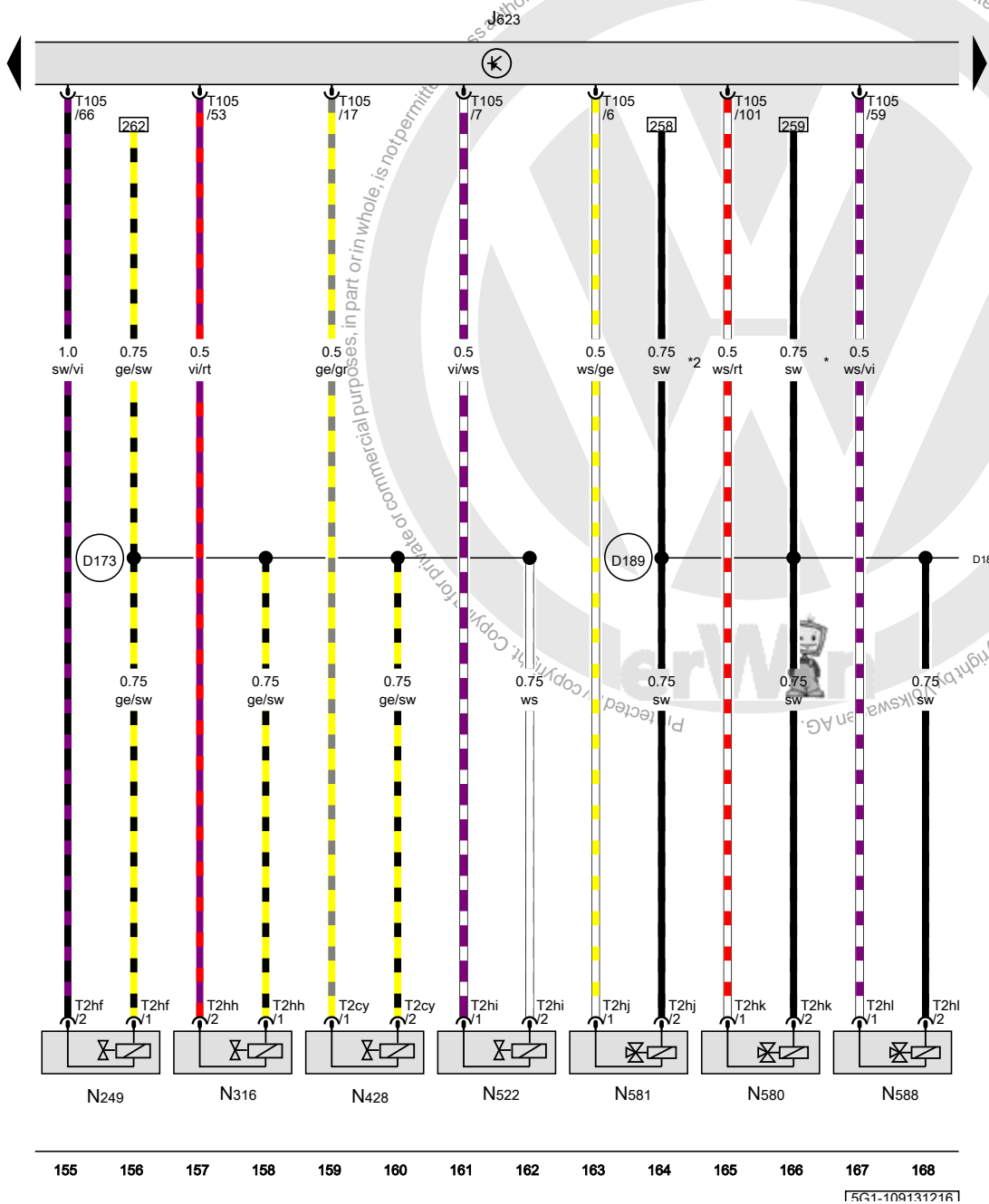
- F378 Oil pressure switch for reduced oil pressure
- G28 Engine speed sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N493 Actuator for engine temperature regulation
- T1y 1-pin connector, black
- T3dl 3-pin connector, black
- T5aq 5-pin connector, black
- T6az 6-pin connector, grey
- T105 105-pin connector, black
- V465 Charge pressure positioner
- * Earth supply via housing



Intake manifold pressure sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Auxiliary pump for heating

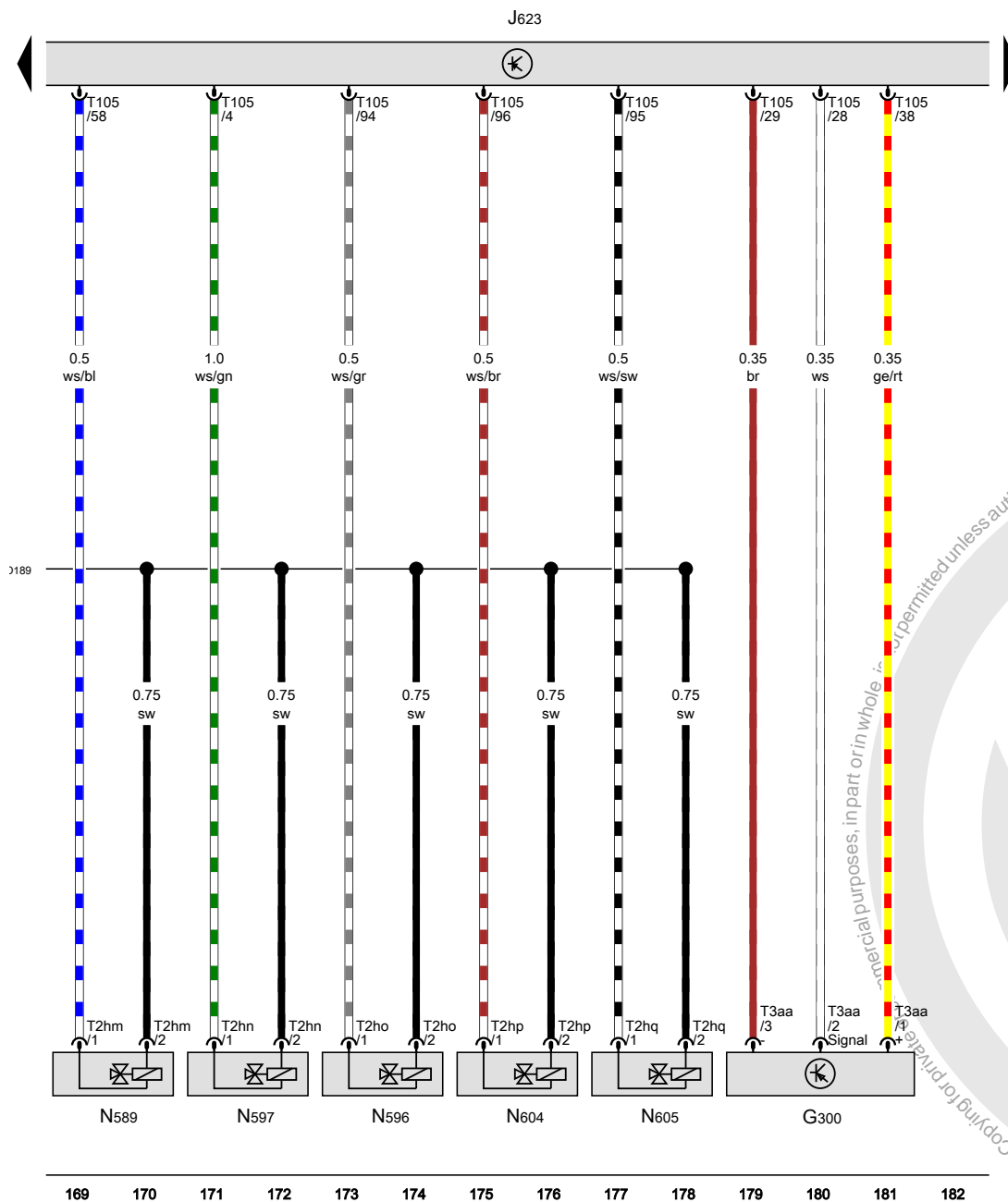
- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- T2cz 2-pin connector, black
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3cg 3-pin connector, black
- T4bf 4-pin connector, black
- T105 105-pin connector, black
- V488 Auxiliary pump for heating
- D196 Connection 2 (87a) in engine prewiring harness

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Engine control unit, Turbocharger air recirculation valve, Intake manifold flap valve, Valve for oil pressure control, Piston cooling jet control valve, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2

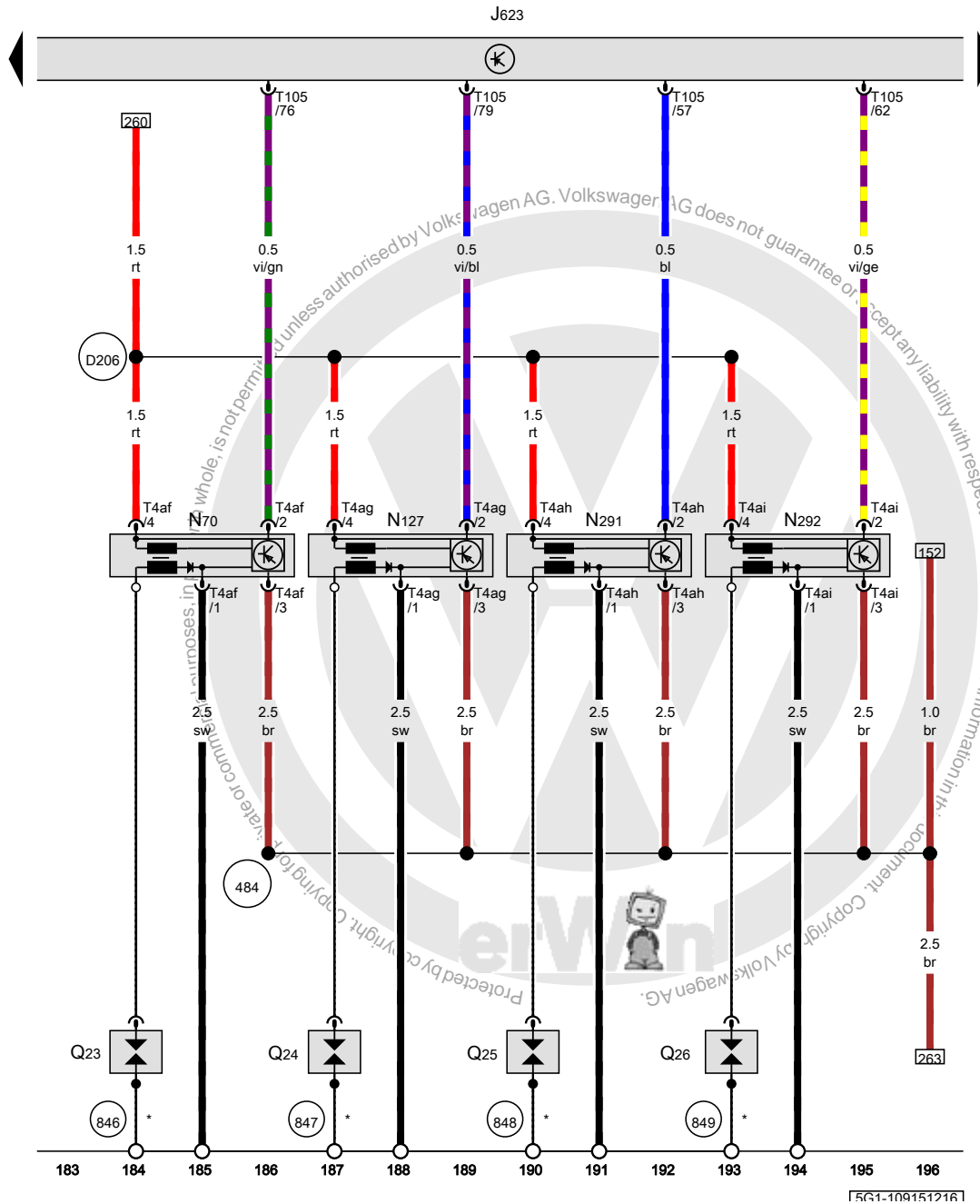
- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- T2cy 2-pin connector, black
- T2hf 2-pin connector, black
- T2hh 2-pin connector, black
- T2hi 2-pin connector, black
- T2hj 2-pin connector, black
- T2hk 2-pin connector, black
- T2hl 2-pin connector, black
- T105 105-pin connector, black
- D173 Connection (87), in engine prewiring harness
- D189 Connection (87a) in engine prewiring harness
- * Only models with manual gearbox
- *2 Only models with automatic gearbox



Hall sender 3, Engine control unit, Exhaust cam actuator B for cylinder 2, Exhaust cam actuator A for cylinder 3, Exhaust cam actuator B for cylinder 3, Exhaust cam actuator A for cylinder 4, Exhaust cam actuator B for cylinder 4

- G300 Hall sender 3
- J623 Engine control unit
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4
- T2hm 2-pin connector, black
- T2hn 2-pin connector, black
- T2ho 2-pin connector, black
- T2hp 2-pin connector, black
- T2hq 2-pin connector, black
- T3aa 3-pin connector, black
- T105 105-pin connector, black
- D189 Connection (87a) in engine prewiring harness

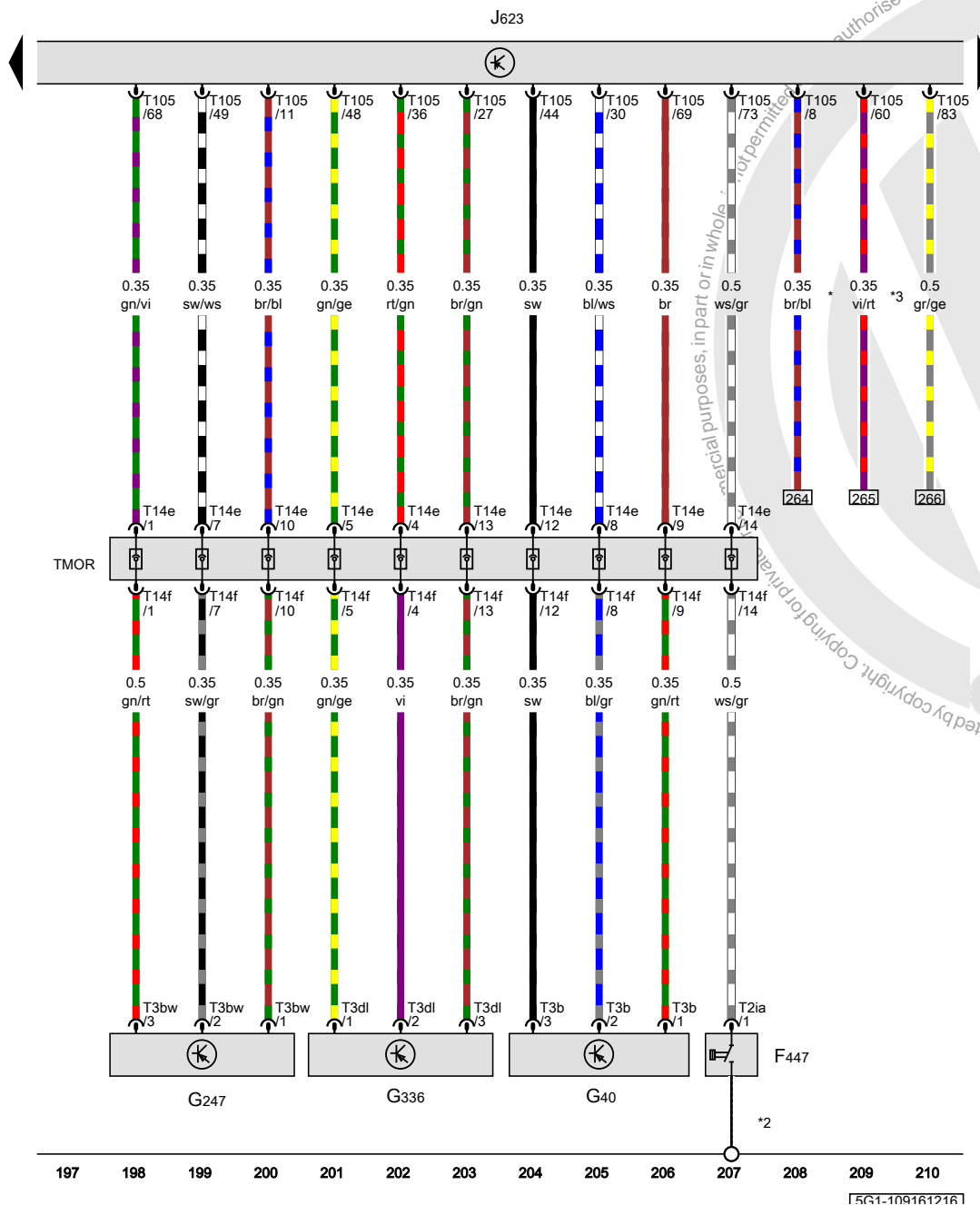
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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T105 105-pin connector, black

- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1
- 847 Earth point on ignition coil 2
- 848 Earth point on ignition coil 3
- 849 Earth point on ignition coil 4
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing



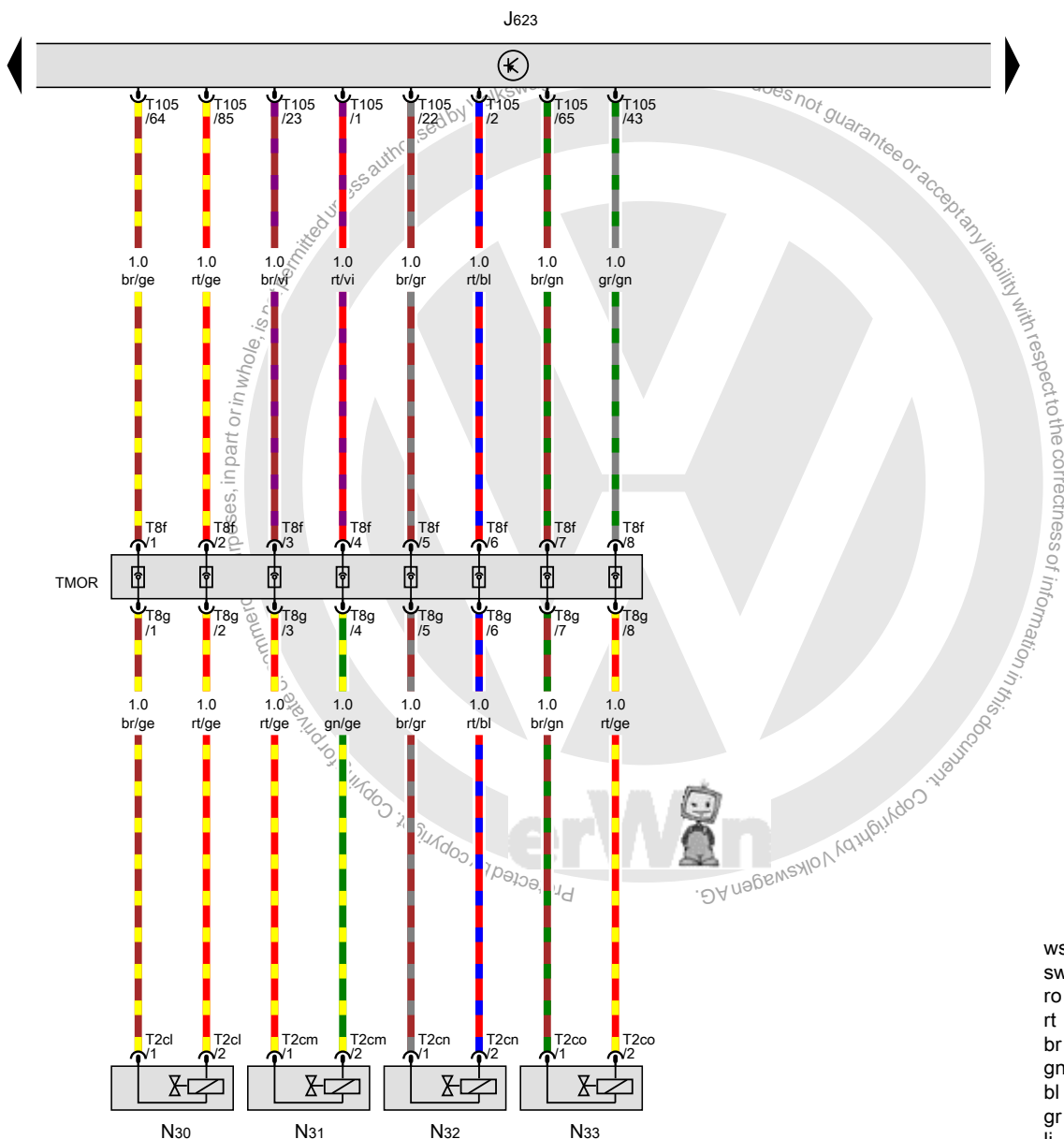
Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T2ia 2-pin connector, black
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3dl 3-pin connector, black
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector, black
- TMOR Coupling point on engine, top right
- * Only models with automatic gearbox
- *2 Earth supply via housing
- *3 Only models with manual gearbox

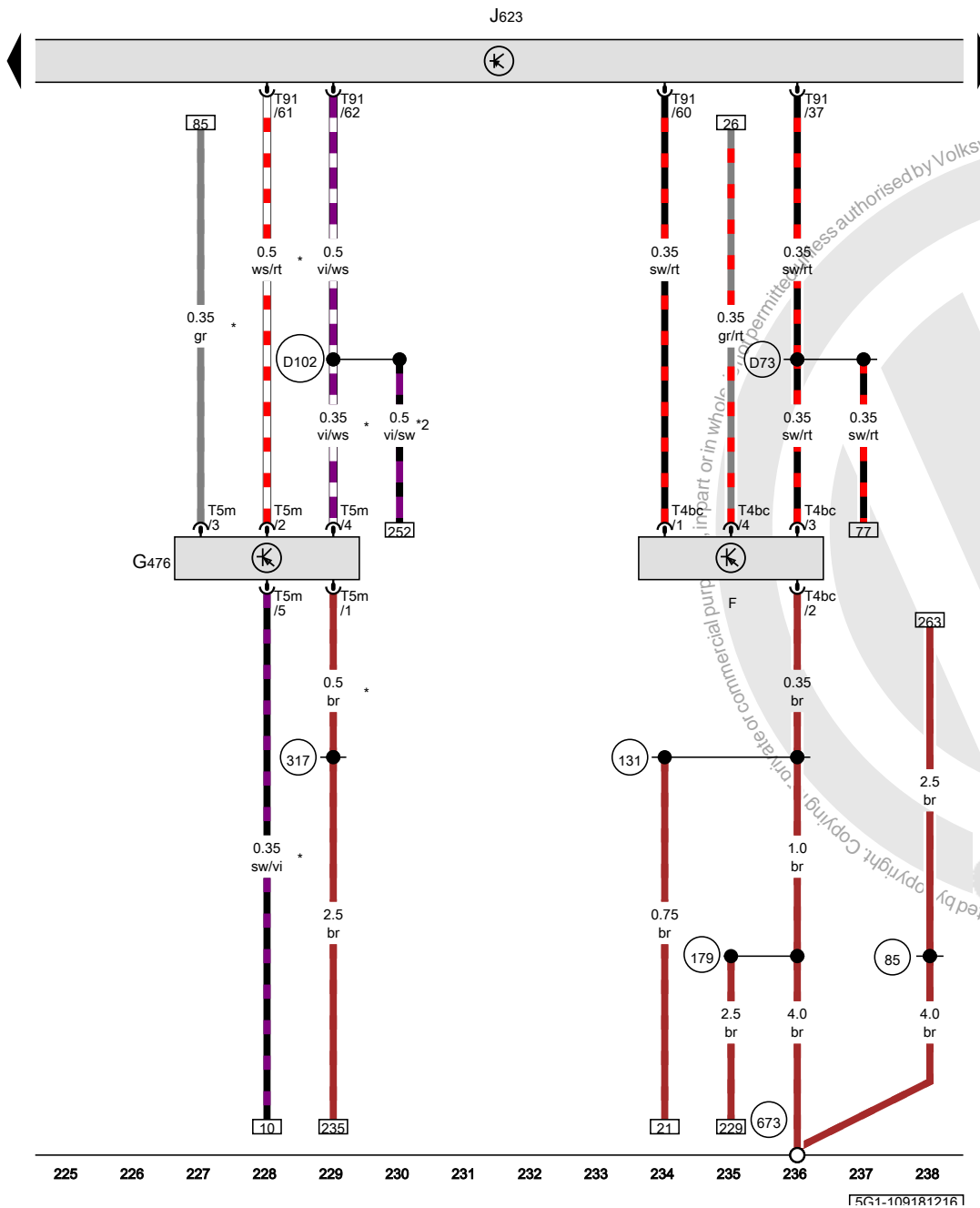
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector, black
- TMOR Coupling point on engine, top right

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- gn = green
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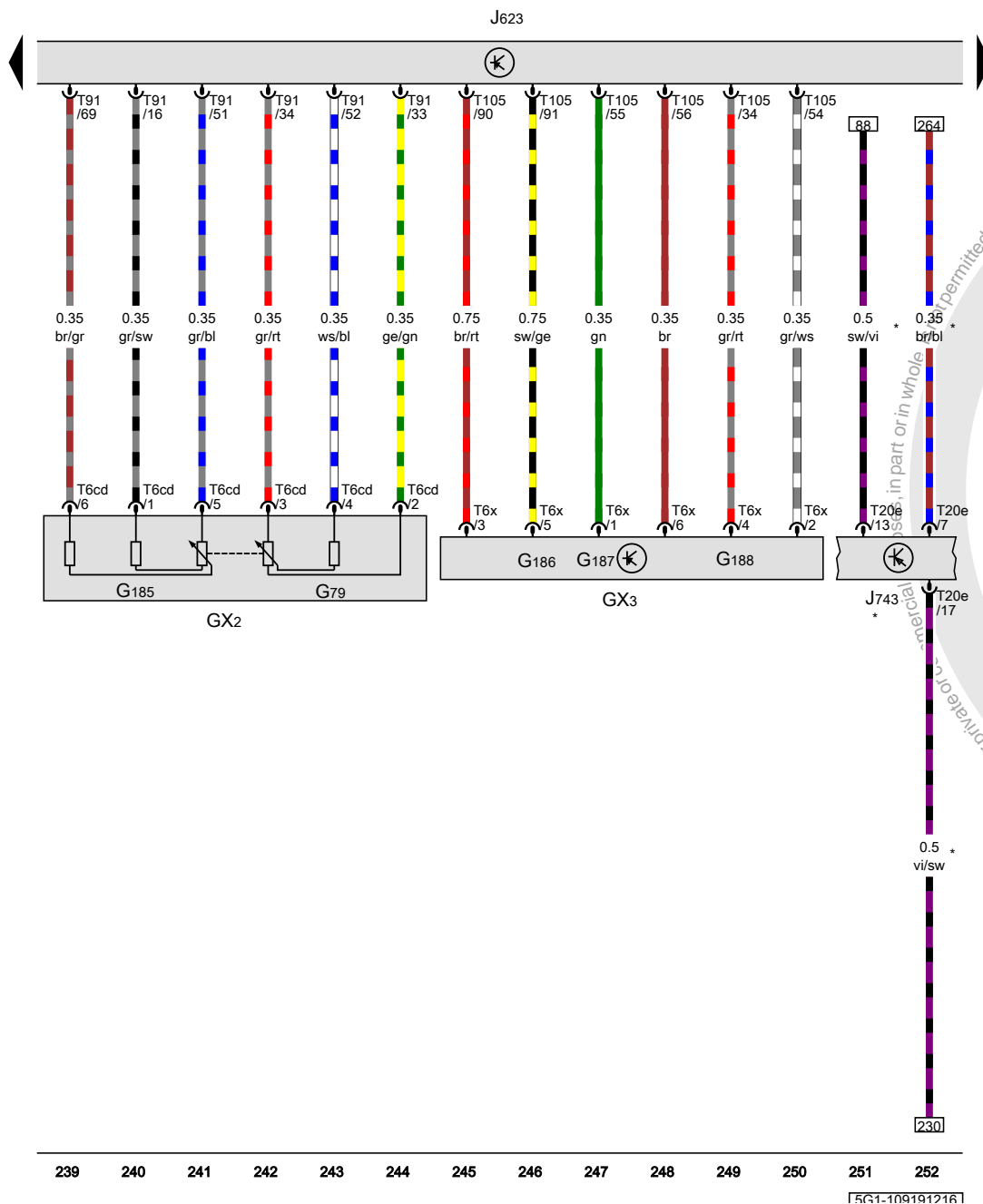
Brake light switch, Clutch position sender, Engine control unit



- F Brake light switch
- G476 Clutch position sender
- J623 Engine control unit
- T4bc 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector, black
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with automatic gearbox

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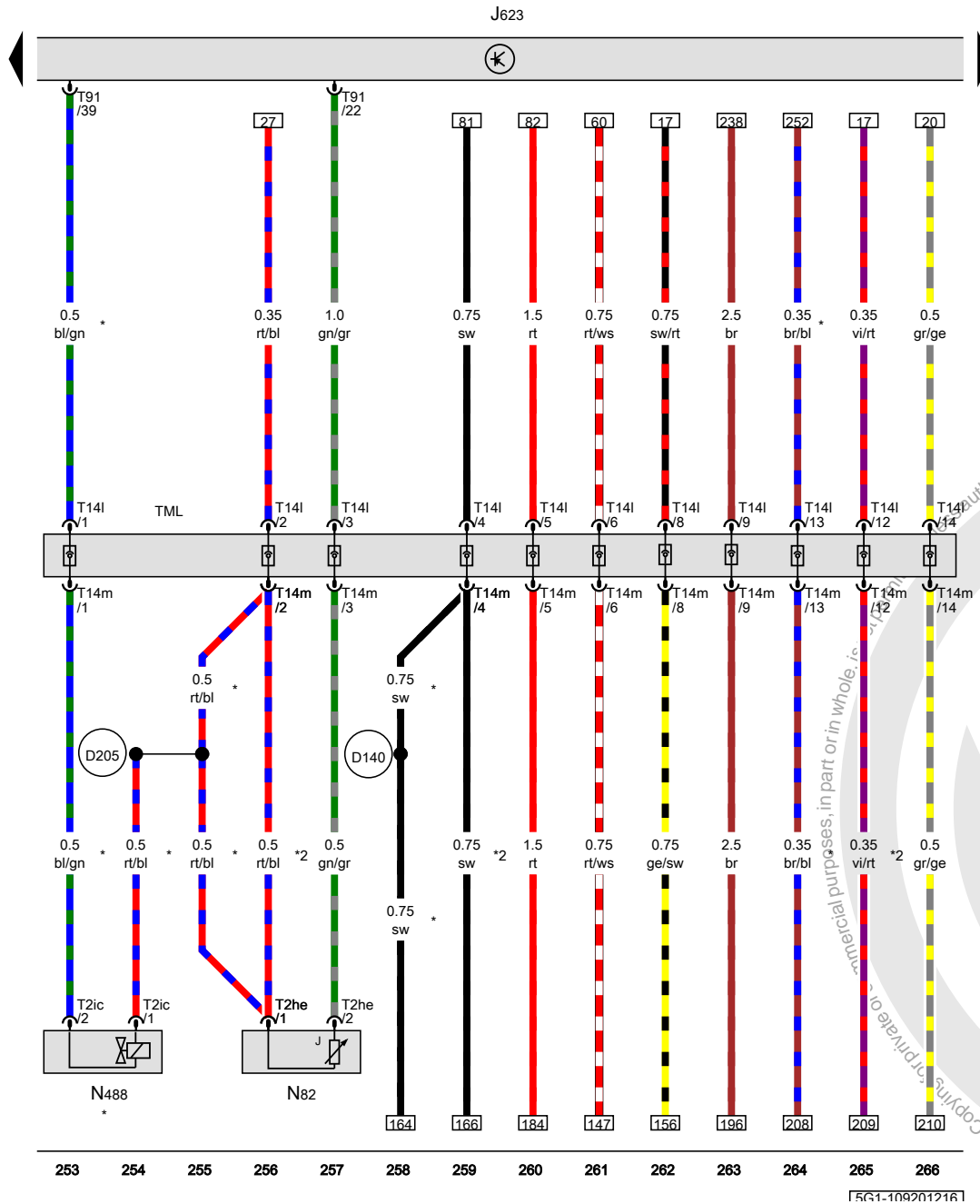
Accelerator pedal module, Throttle valve module, Engine control unit, Mechatronic unit for dual clutch gearbox



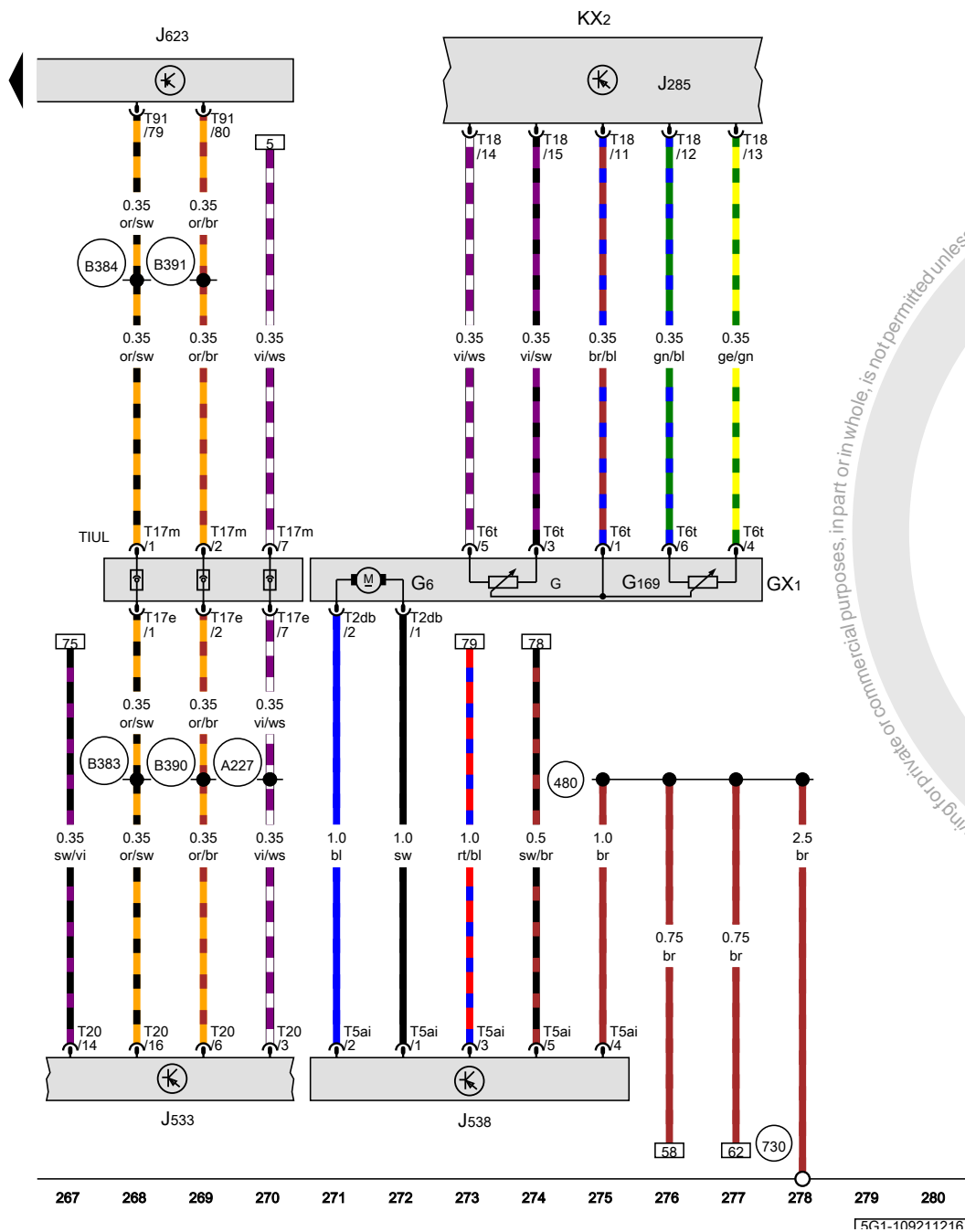
- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T6cd 6-pin connector, black
- T6x 6-pin connector, black
- T20e 20-pin connector, black
- T91 91-pin connector, black
- T105 105-pin connector, black
- * Only models with automatic gearbox

Engine control unit, Coolant shut-off valve, Coolant valve for gearbox

- J623 Engine control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2he 2-pin connector, black
- T2ic 2-pin connector, black
- T14i 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- D140 Connection (injectors), in engine prewiring harness
- D205 Connection 3 (87a) in engine prewiring harness
- * Only models with automatic gearbox
- *2 Only models with manual gearbox



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Data bus diagnostic interface, Fuel pump control unit, Engine control unit, Dash panel insert

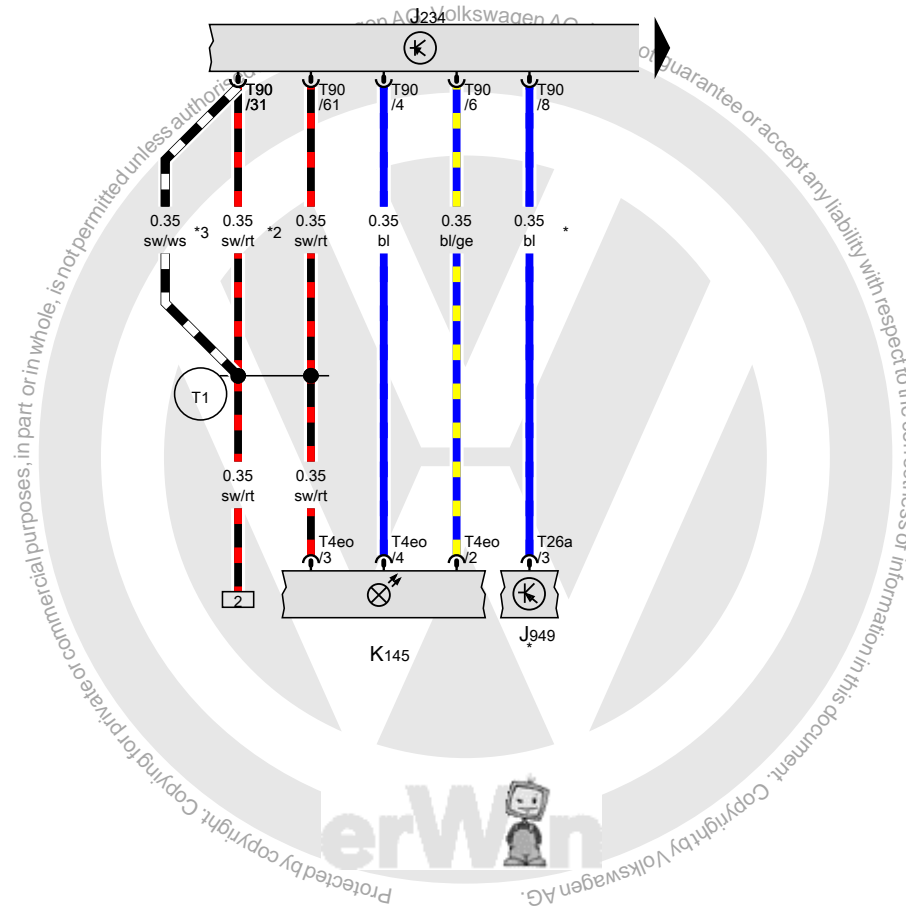
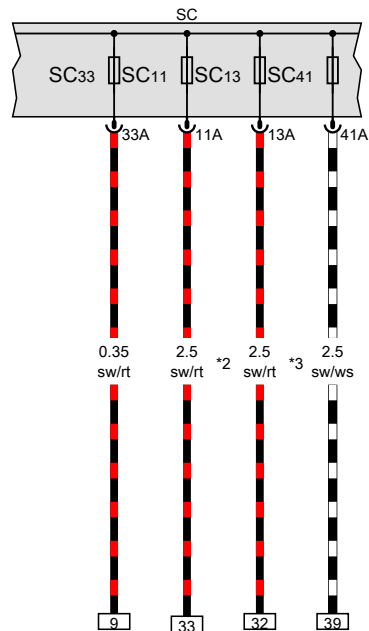
- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J623 Engine control unit
- KX2 Dash panel insert
- T2db 2-pin connector
- T5ai 5-pin connector
- T6t 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T18 18-pin connector
- T20 20-pin connector
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Airbag systems , (L0L)

From November 2016





Airbag control unit, Emergency call module control unit and communication unit, Front passenger side airbag deactivated warning lamp, Fuse holder C, Fuse 33 on fuse holder C

- J234 Airbag control unit
- J949 Emergency call module control unit and communication unit
- K145 Front passenger side airbag deactivated warning lamp
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T4eo 4-pin connector
- T26a 26-pin connector, black
- T90 90-pin connector, yellow

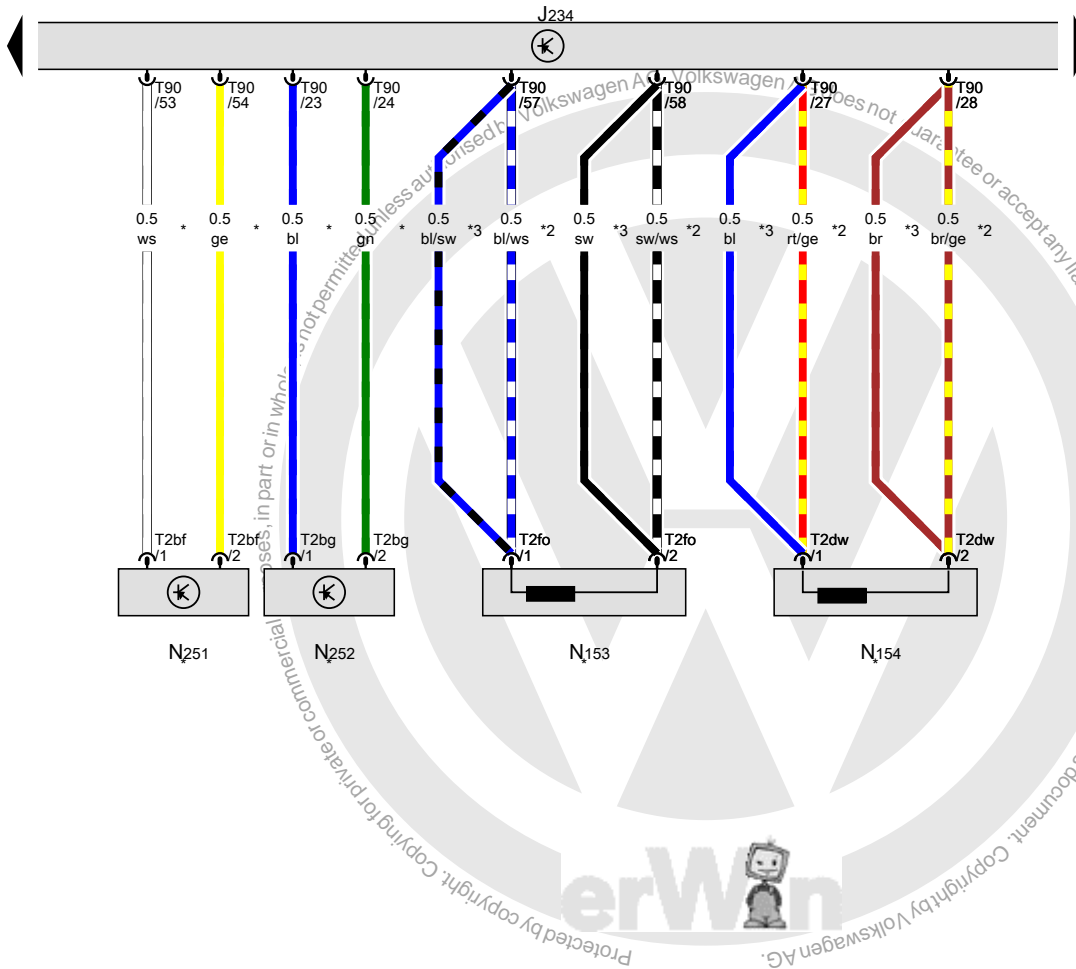
T1 Positive connection 1, in airbag wiring harness

- * For models with emergency call module
- *2 Up to May 2017
- *3 From May 2017

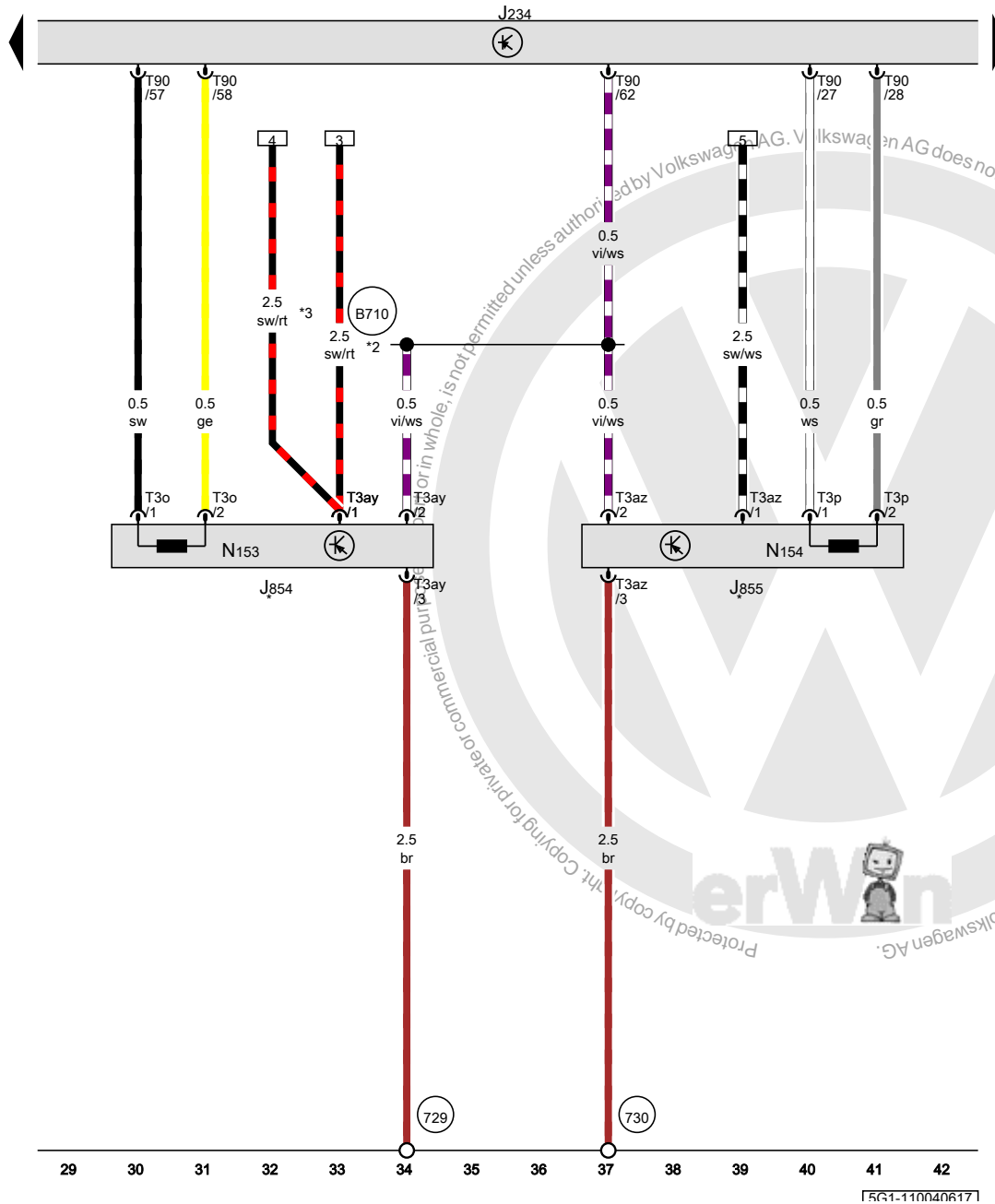
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2bf 2-pin connector
- T2bg 2-pin connector
- T2dw 2-pin connector
- T2fo 2-pin connector
- T90 90-pin connector, yellow
- * According to equipment
- *2 For models with 4 doors
- *3 For models with 2 doors



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Airbag control unit, Control unit for front left belt tensioner, Control unit for front right belt tensioner, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1

- J234 Airbag control unit
- J854 Control unit for front left belt tensioner
- J855 Control unit for front right belt tensioner
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- T3ay 3-pin connector
- T3az 3-pin connector
- T3o 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector, yellow

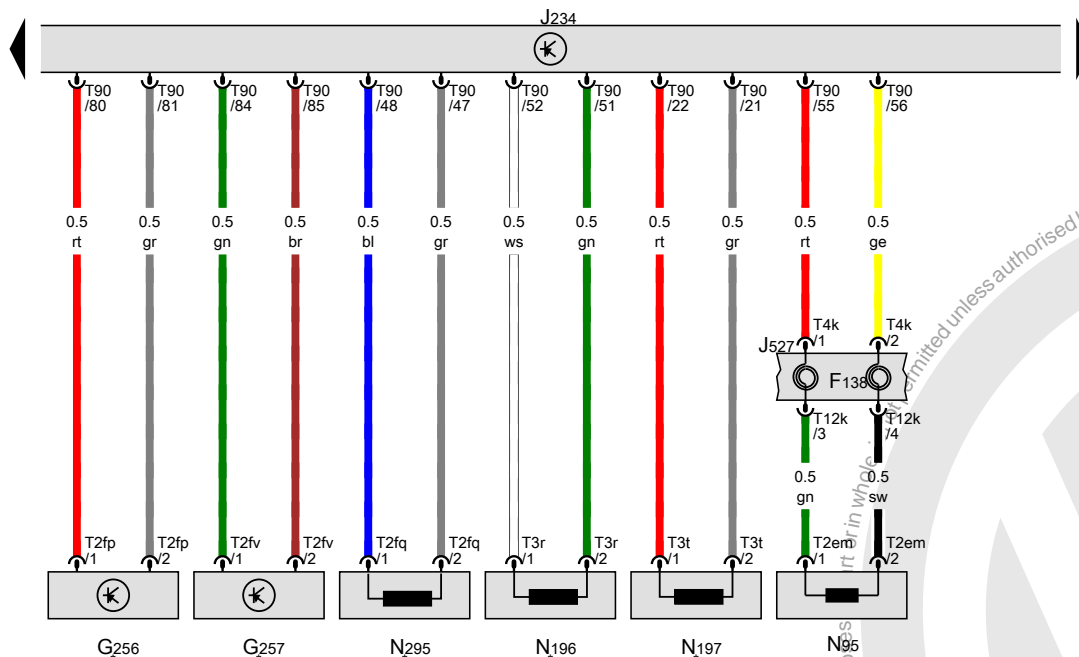
729 Earth point, on left rear wheel housing

730 Earth point 1, on right rear wheel housing

B710 Connection 5 (LIN bus) in main wiring harness

- * According to equipment
- *2 Up to May 2017
- *3 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

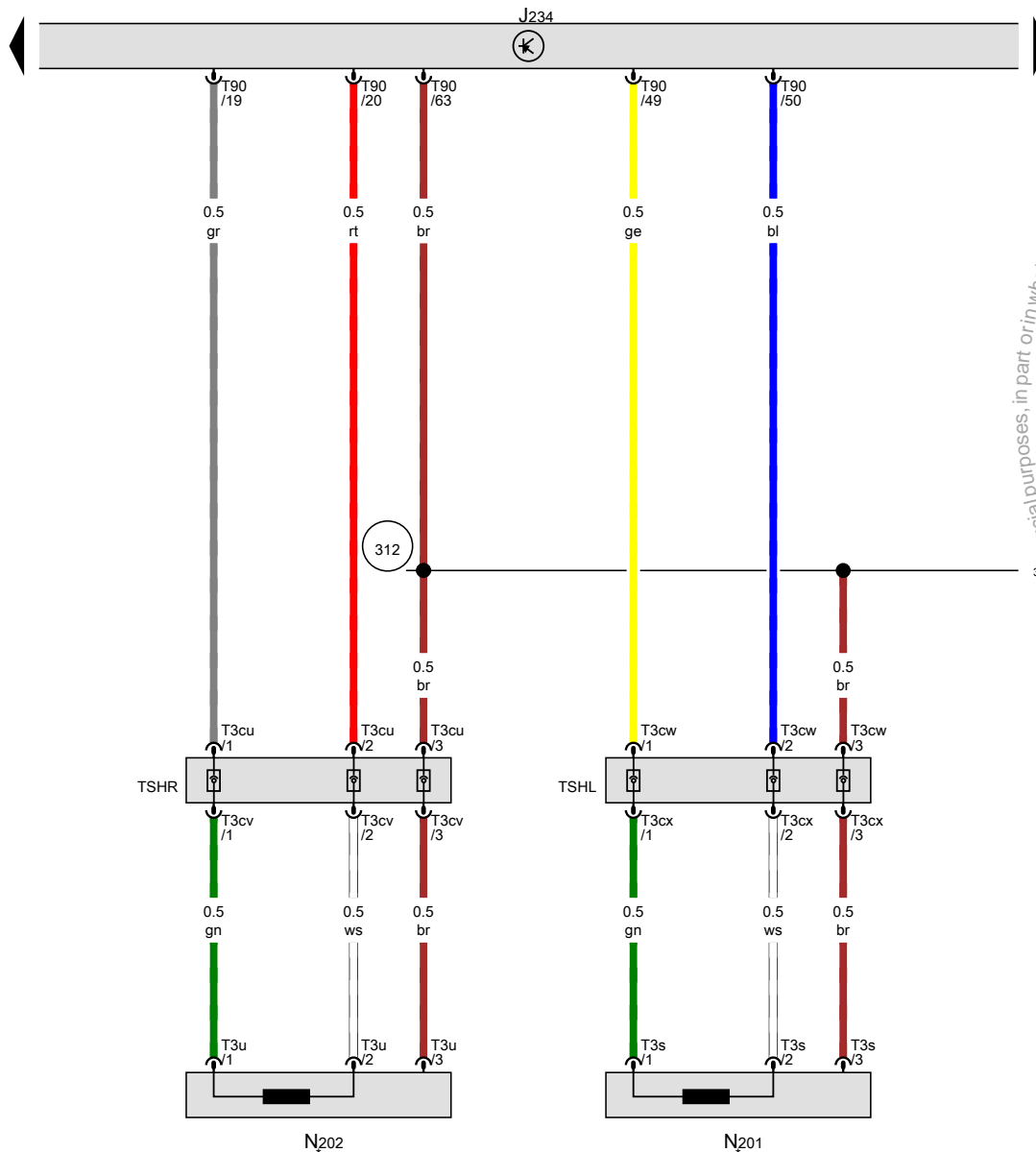


Airbag coil connector and return ring with slip ring, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Steering column electronics control unit, Driver side airbag igniter, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Driver side knee airbag igniter

- F138 Airbag coil connector and return ring with slip ring
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- N95 Driver side airbag igniter
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on passenger side
- N295 Driver side knee airbag igniter
- T2em 2-pin connector
- T2fp 2-pin connector
- T2fq 2-pin connector
- T2fv 2-pin connector
- T3r 3-pin connector
- T3t 3-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T90 90-pin connector, yellow
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

**Airbag control unit, Rear side airbag igniter on driver side,
Rear side airbag igniter on passenger side**

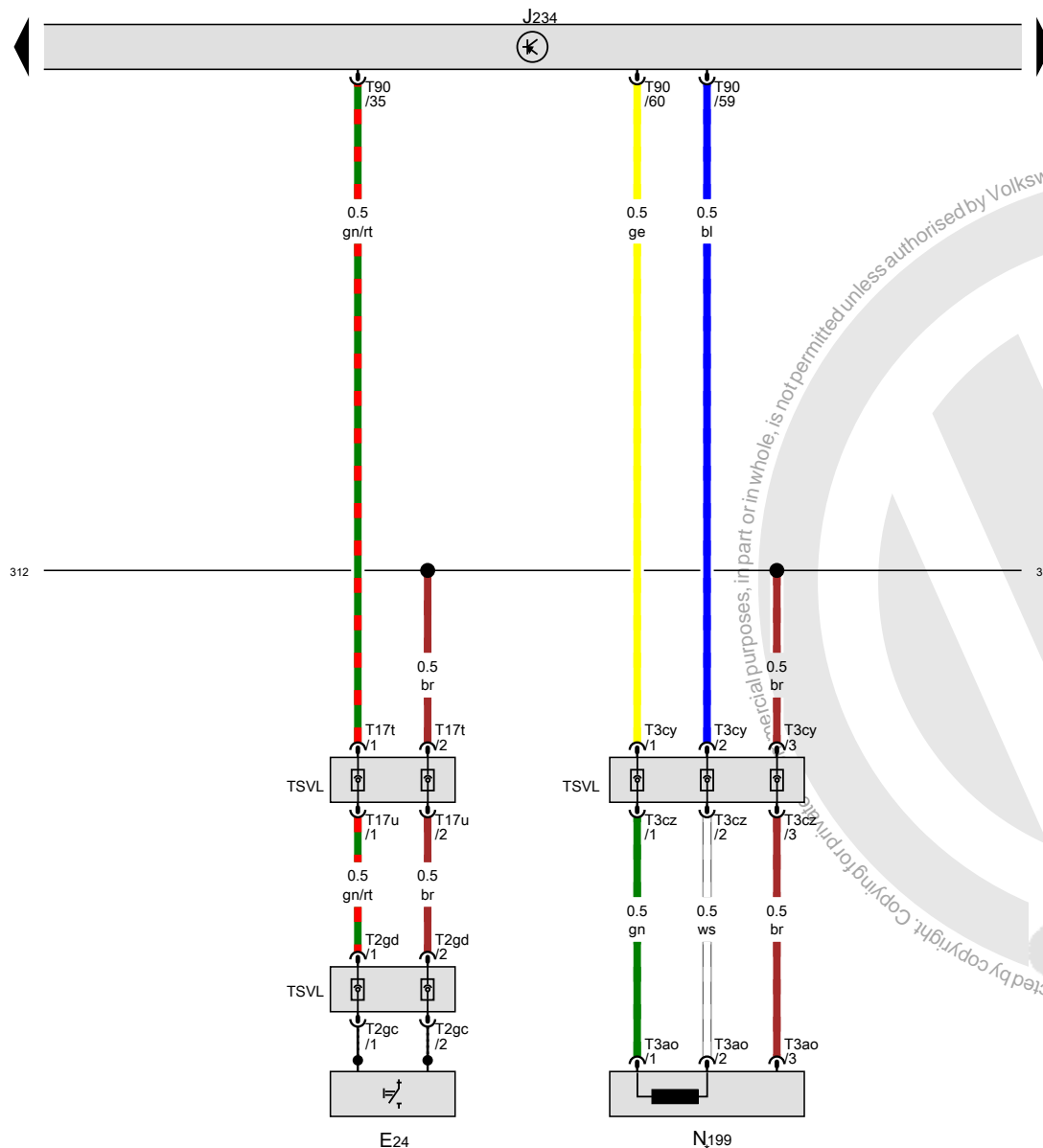


- J234 Airbag control unit
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on passenger side
- T3cu 3-pin connector, black
- T3cv 3-pin connector, black
- T3cw 3-pin connector, black
- T3cx 3-pin connector, black
- T3s 3-pin connector
- T3u 3-pin connector
- T90 90-pin connector, yellow
- TSHL Coupling point for rear left seat
- TSHR Coupling point for rear right seat

- 312 Earth connection 2, in airbag wiring harness
- * According to equipment

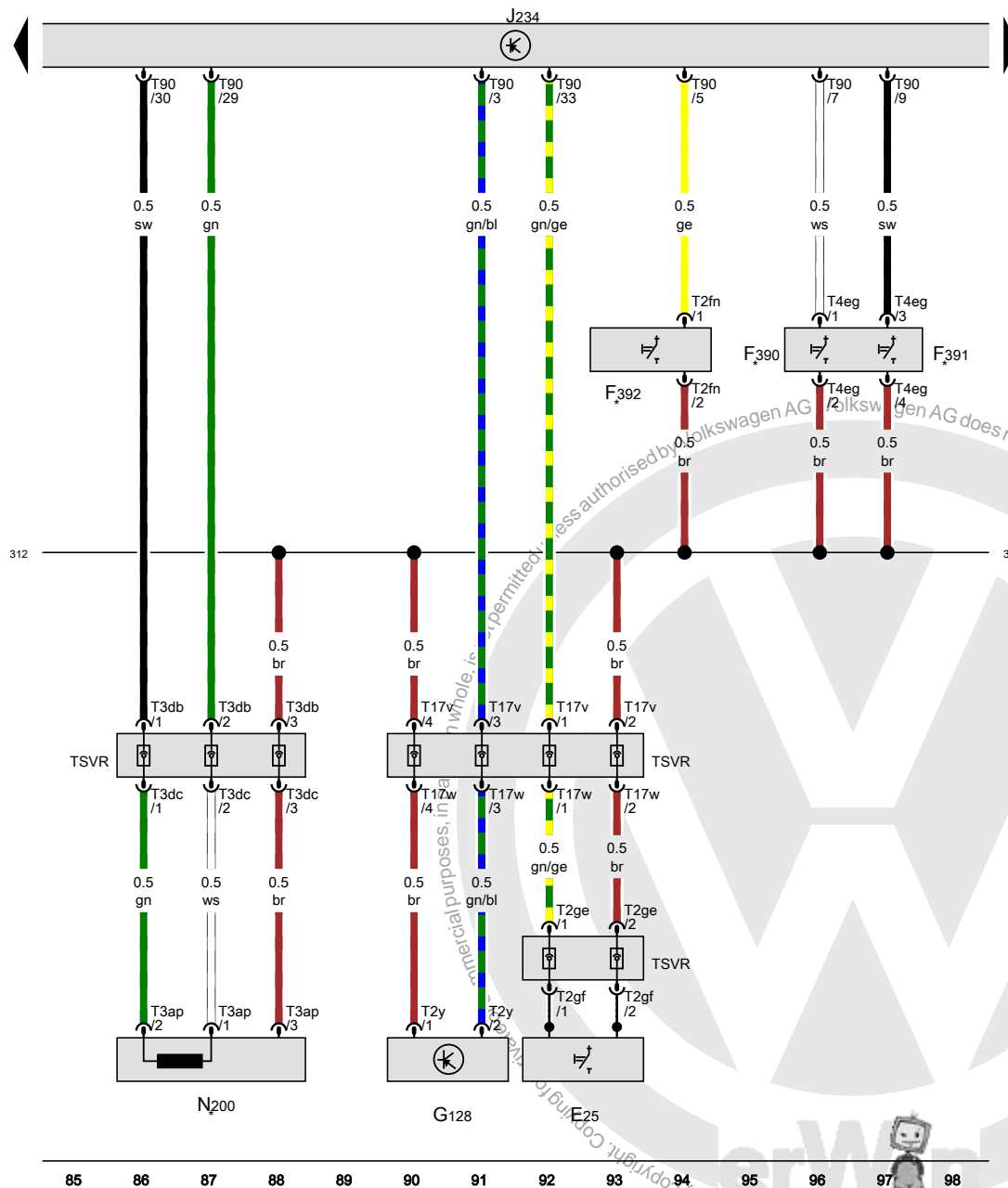
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver side belt switch, Airbag control unit, Side airbag igniter on driver side



- E24 Driver side belt switch
- J234 Airbag control unit
- N199 Side airbag igniter on driver side
- T2gc 2-pin connector, black
- T2gd 2-pin connector, black
- T3ao 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T90 90-pin connector, yellow
- TSVL Coupling point for front left seat
- 312 Earth connection 2, in airbag wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



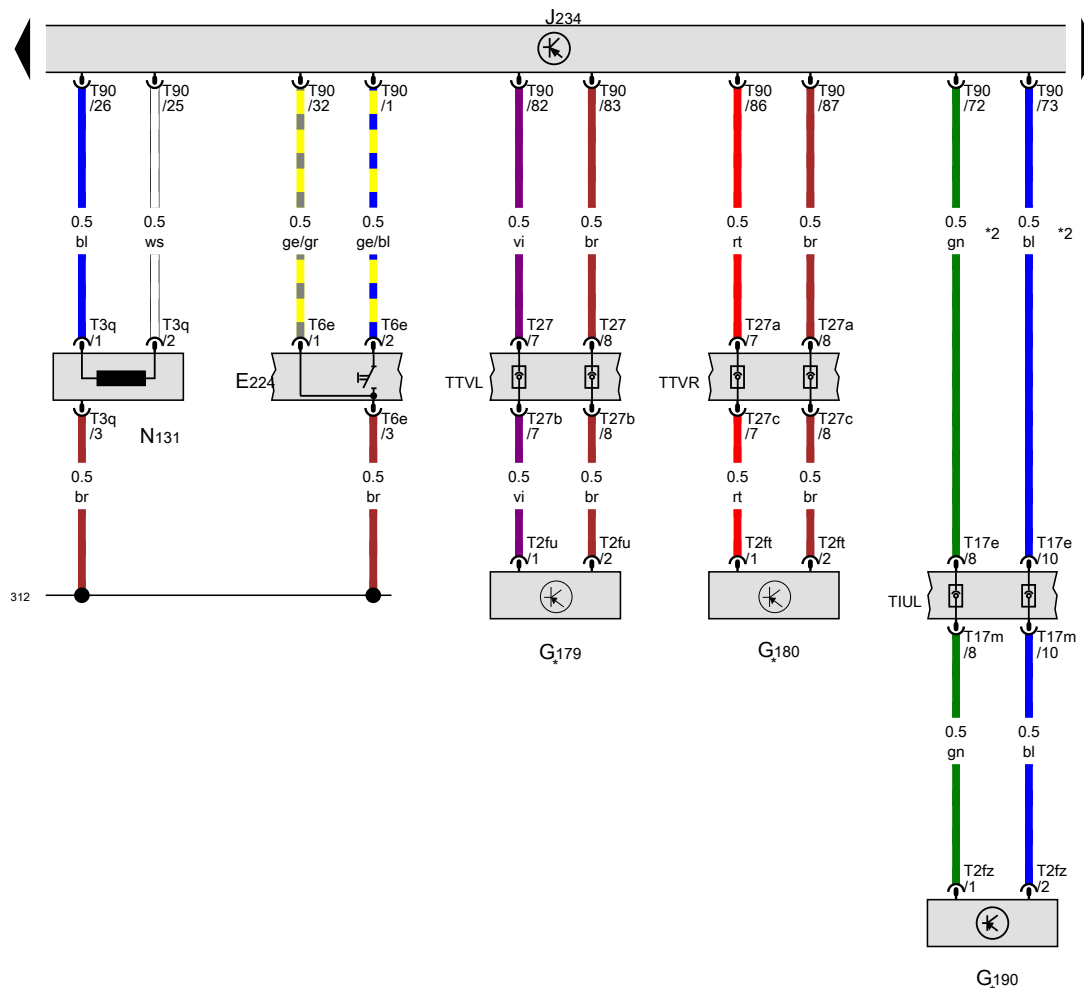
Front passenger side belt switch, Belt switch for seat row 2, driver side, Belt switch for seat row 2, middle, Belt switch for seat row 2, passenger side, Seat occupied sensor, front passenger side, Airbag control unit, Side airbag igniter on front passenger side

- E25 Front passenger side belt switch
- F390 Belt switch for seat row 2, driver side
- F391 Belt switch for seat row 2, middle
- F392 Belt switch for seat row 2, passenger side
- G128 Seat occupied sensor, front passenger side
- J234 Airbag control unit
- N200 Side airbag igniter on front passenger side
- T2fn 2-pin connector
- T2ge 2-pin connector, black
- T2gf 2-pin connector, black
- T2y 2-pin connector, black
- T3ap 3-pin connector
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T4eg 4-pin connector
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T90 90-pin connector, yellow
- TSVR Coupling point for front right seat

312 Earth connection 2, in airbag wiring harness

* According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

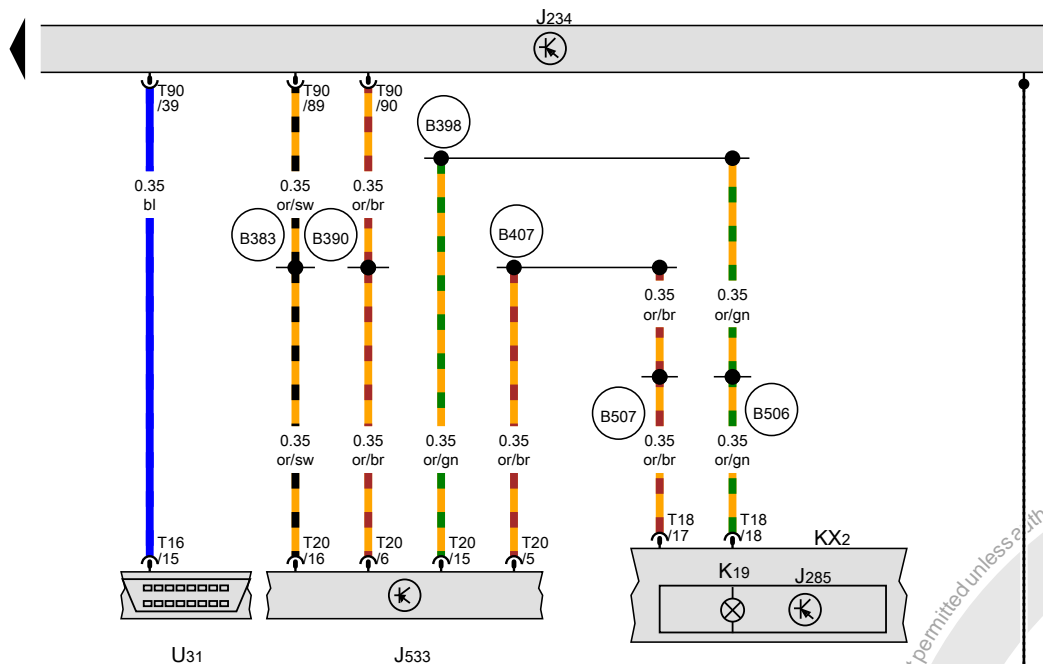


Key operated switch to deactivate front passenger side airbag, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Crash sensor for front airbag, Airbag control unit, Front passenger side airbag igniter 1

- E224 Key operated switch to deactivate front passenger side airbag
- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G190 Crash sensor for front airbag
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2fz 2-pin connector
- T3q 3-pin connector
- T6e 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T27d 27-pin connector, black
- T27e 27-pin connector, black
- T90 90-pin connector, yellow
- TIUL Coupling point in interior, below left
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door
- 312 Earth connection 2, in airbag wiring harness
- * According to equipment
- *2 Wiring colour depends on equipment

ws = white
 ro = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Airbag control unit, Data bus diagnostic interface, Dash panel insert, Diagnostic connection



- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T16 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T90 90-pin connector, yellow
- U31 Diagnostic connection

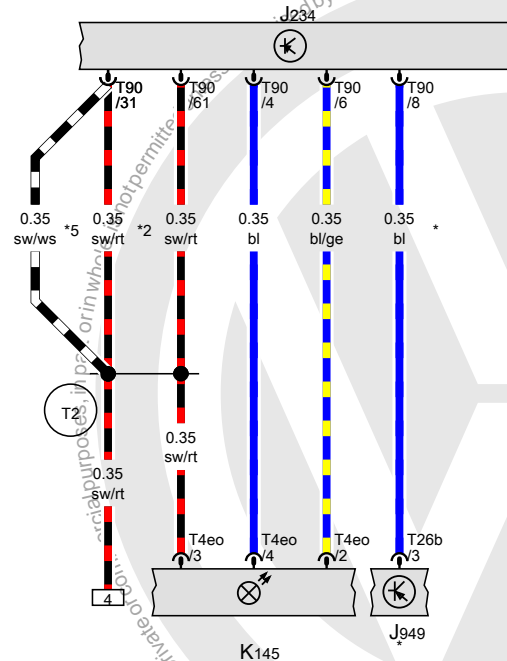
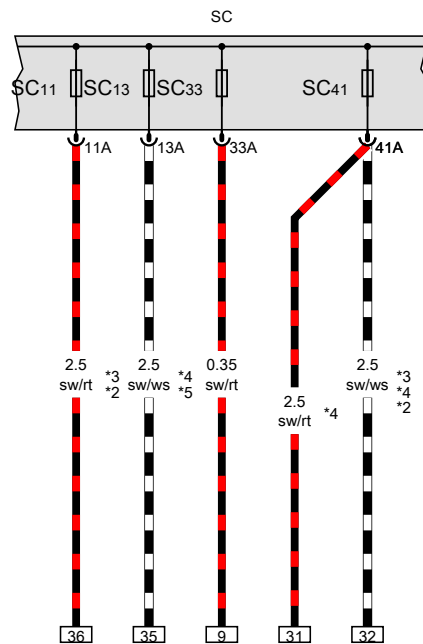
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * Earth supply via housing from airbag control unit

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag systems for RHD vehicles , (L0R)

From November 2016





Airbag control unit, Emergency call module control unit and communication unit, Front passenger side airbag deactivated warning lamp, Fuse 33 on fuse holder C

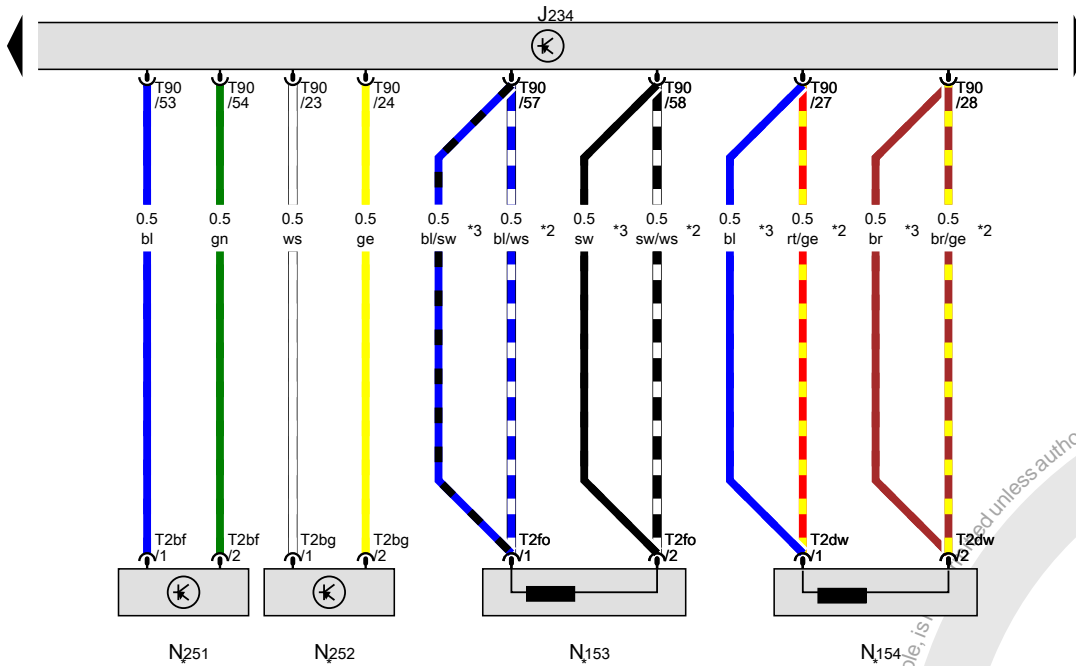
- J234 Airbag control unit
- J949 Emergency call module control unit and communication unit
- K145 Front passenger side airbag deactivated warning lamp
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T4eo 4-pin connector
- T26b 26-pin connector, black
- T90 90-pin connector

T2 Positive connection 2, in airbag wiring harness

- * For models with emergency call module
- *2 Up to May 2017
- *3 From May 2014
- *4 Different wire colour possible
- *5 From May 2017

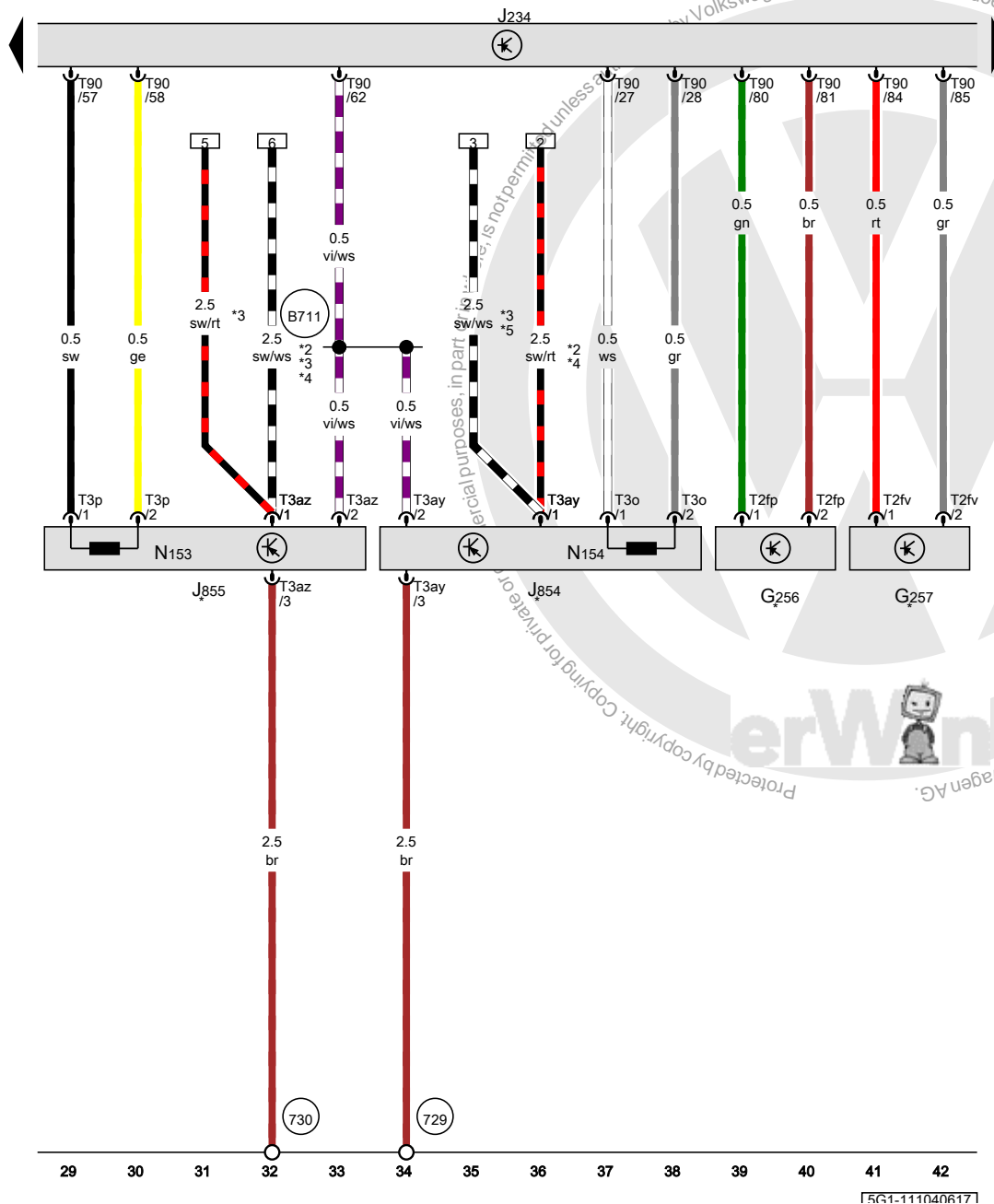
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter



- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2bf 2-pin connector
- T2bg 2-pin connector
- T2dw 2-pin connector
- T2fo 2-pin connector
- T90 90-pin connector
- * According to equipment
- *2 For models with 4 doors
- *3 For models with 2 doors

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- ge = yellow
- or = orange
- rs = pink



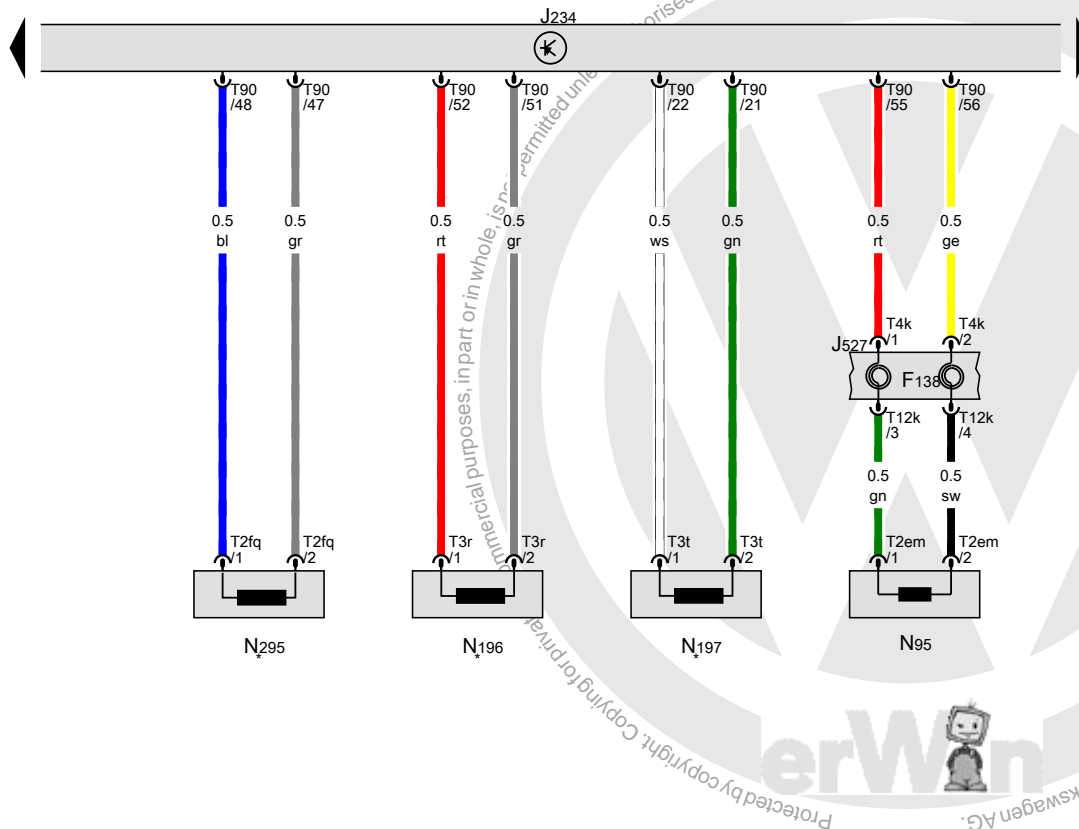
Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Control unit for front left belt tensioner, Control unit for front right belt tensioner, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1

- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J854 Control unit for front left belt tensioner
- J855 Control unit for front right belt tensioner
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- T2fp 2-pin connector
- T2fv 2-pin connector
- T3ay 3-pin connector
- T3az 3-pin connector
- T3o 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector

- 729 Earth point, on left rear wheel housing
- 730 Earth point 1, on right rear wheel housing
- B711 Connection 6 (LIN bus) in main wiring harness

- * According to equipment
- *2 From May 2014
- *3 Different wire colour possible
- *4 Up to May 2017
- *5 From May 2017

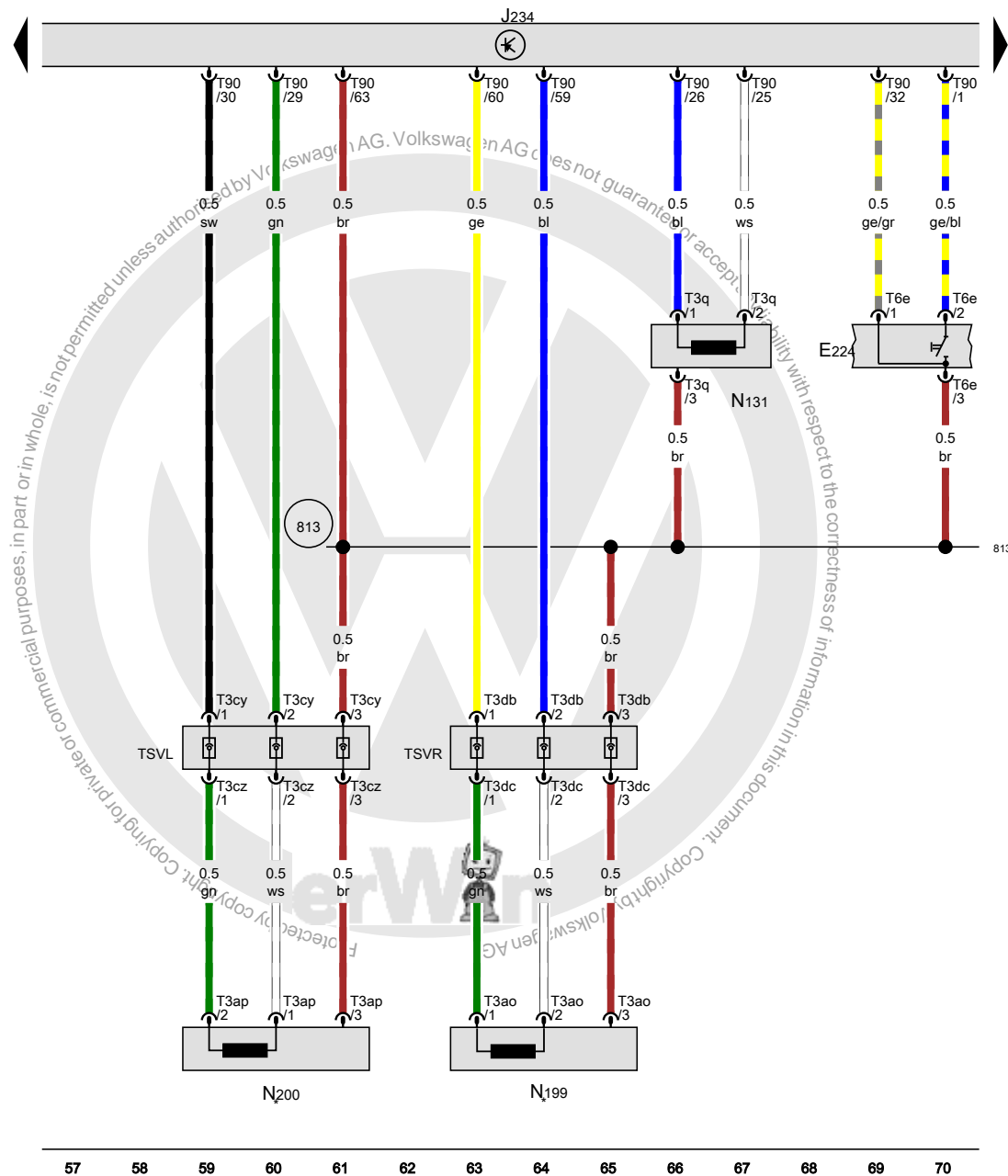
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Driver side airbag igniter, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side, Driver side knee airbag igniter

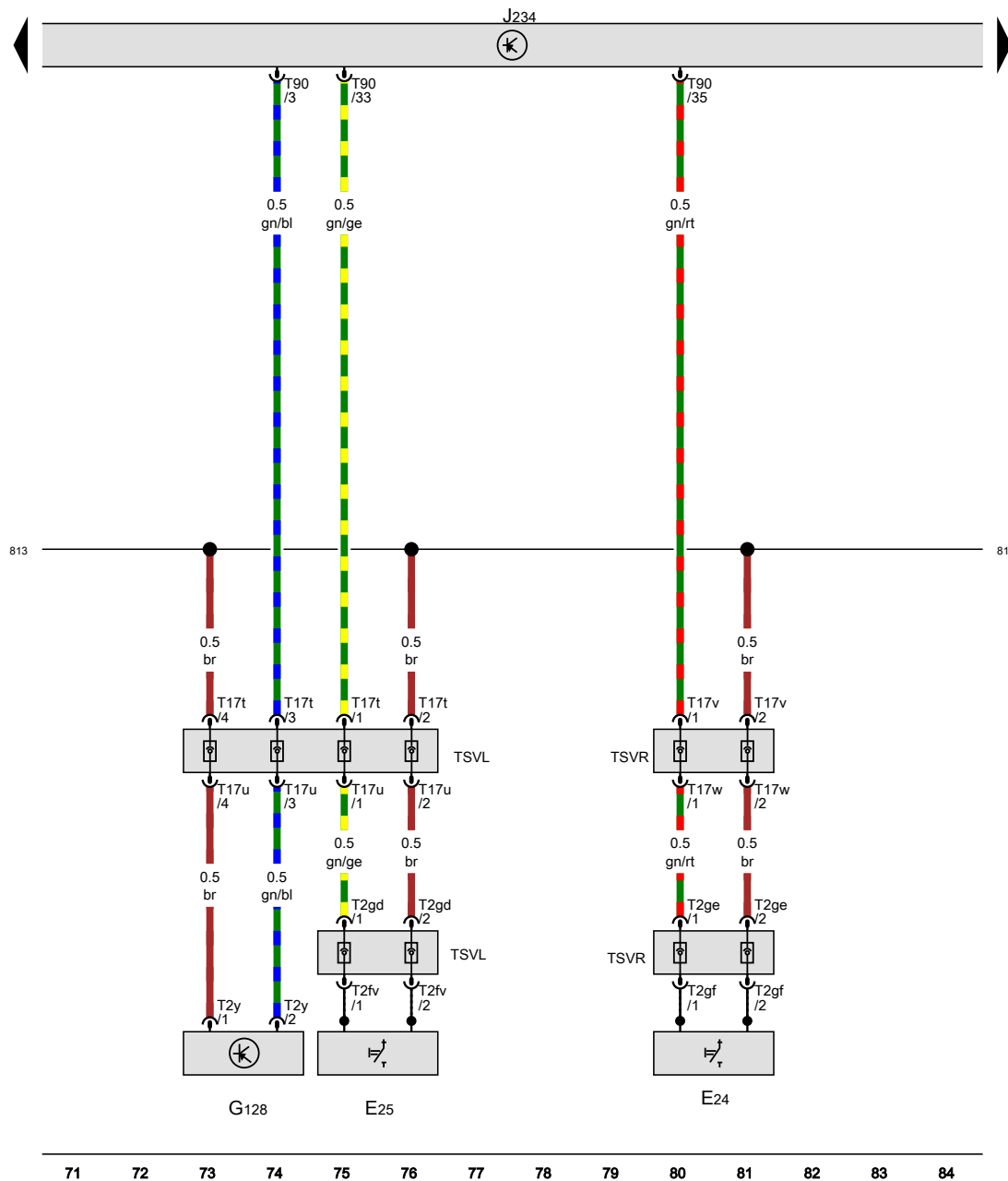
- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- N95 Driver side airbag igniter
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on passenger side
- N295 Driver side knee airbag igniter
- T2em 2-pin connector
- T2fq 2-pin connector
- T3r 3-pin connector
- T3t 3-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T90 90-pin connector
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Key operated switch to deactivate front passenger side airbag, Airbag control unit, Front passenger side airbag igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- E224 Key operated switch to deactivate front passenger side airbag
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T3ao 3-pin connector
- T3ap 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T3q 3-pin connector
- T6e 6-pin connector
- T90 90-pin connector
- TSVL Coupling point for front left seat
- TSVR Coupling point for front right seat
- 813 Earth connection 4, in airbag wiring harness
- * According to equipment



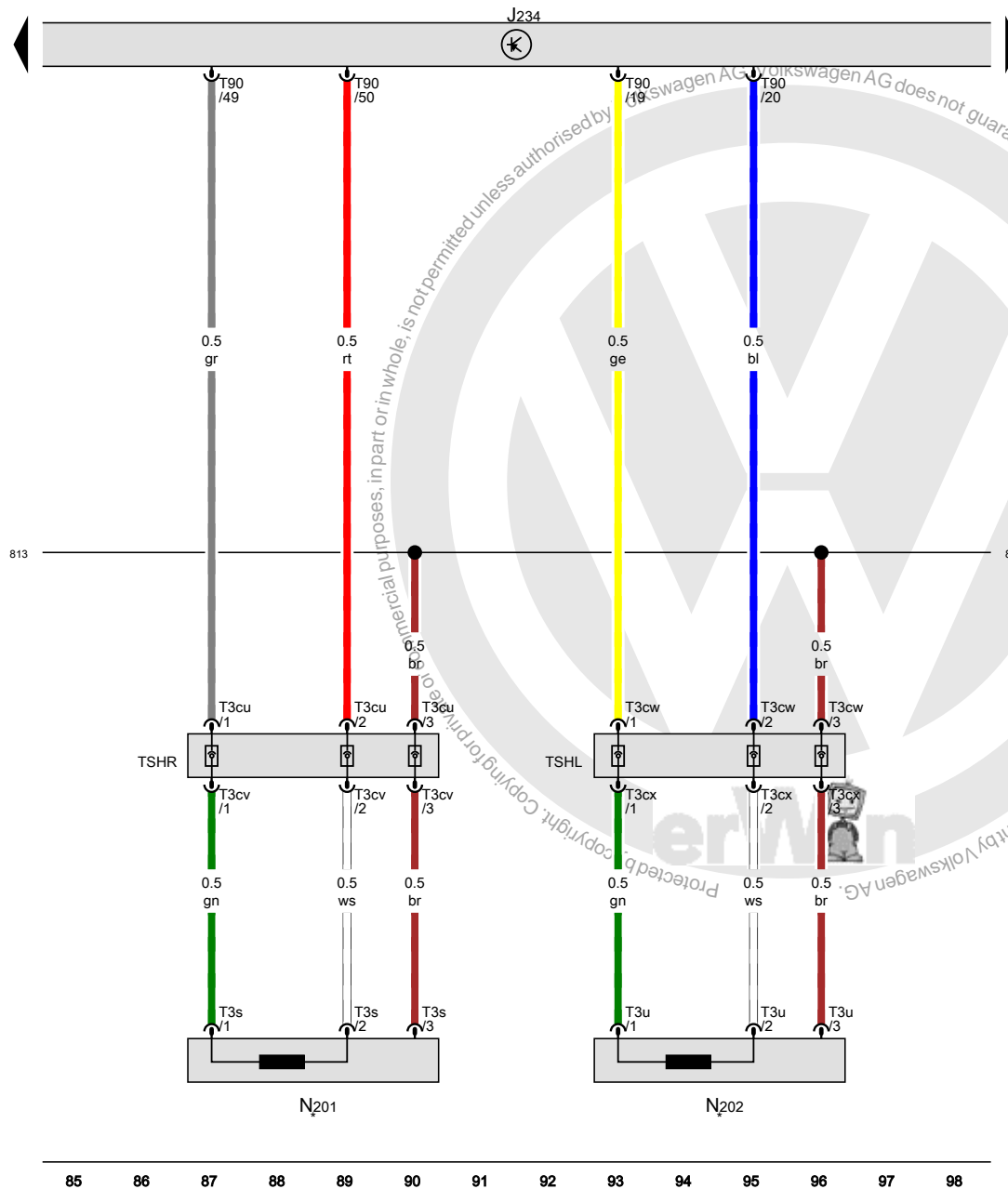
Driver side belt switch, Front passenger side belt switch, Seat occupied sensor, front passenger side, Airbag control unit

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G128 Seat occupied sensor, front passenger side
- J234 Airbag control unit
- T2fv 2-pin connector, black
- T2gd 2-pin connector, black
- T2ge 2-pin connector, black
- T2gf 2-pin connector, black
- T2y 2-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T90 90-pin connector
- TSVL Coupling point for front left seat
- TSVR Coupling point for front right seat

813 Earth connection 4, in airbag wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag control unit, Rear side airbag igniter on driver side,
Rear side airbag igniter on passenger side

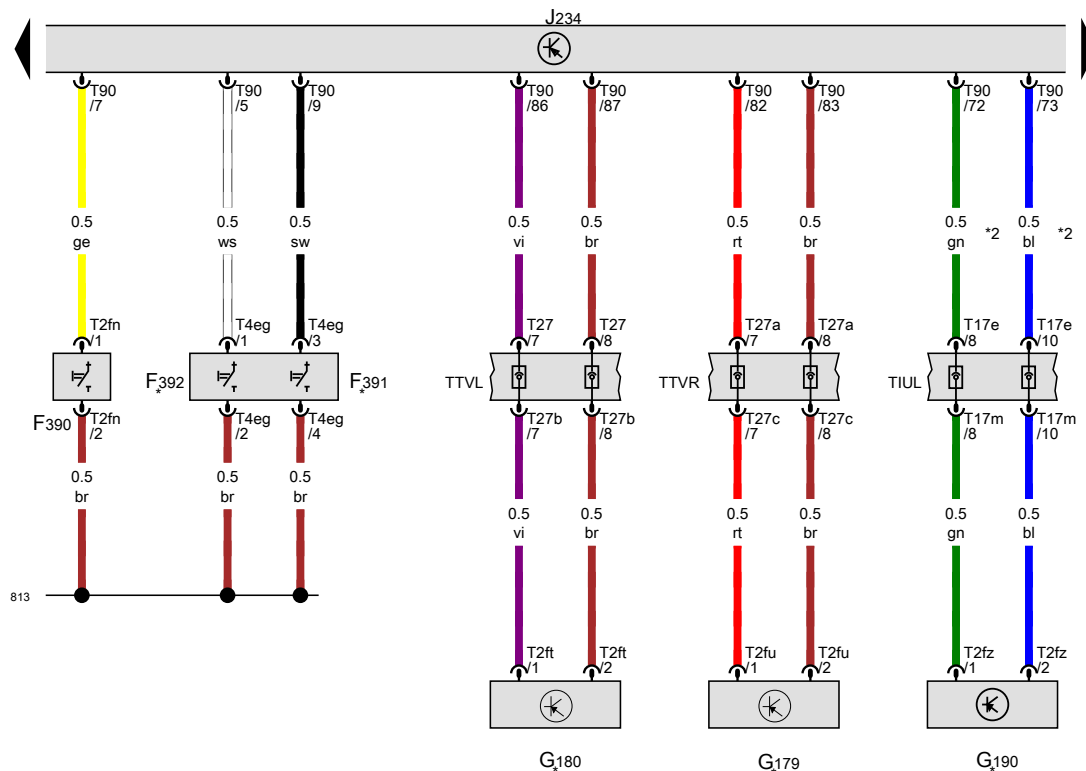


- J234 Airbag control unit
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on passenger side
- T3cu 3-pin connector, black
- T3cv 3-pin connector, black
- T3cw 3-pin connector, black
- T3cx 3-pin connector, black
- T3s 3-pin connector
- T3u 3-pin connector
- T90 90-pin connector
- TSHL Coupling point for rear left seat
- TSHR Coupling point for rear right seat

813 Earth connection 4, in airbag wiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Belt switch for seat row 2, driver side, Belt switch for seat row 2, middle, Belt switch for seat row 2, passenger side, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Crash sensor for front airbag, Airbag control unit

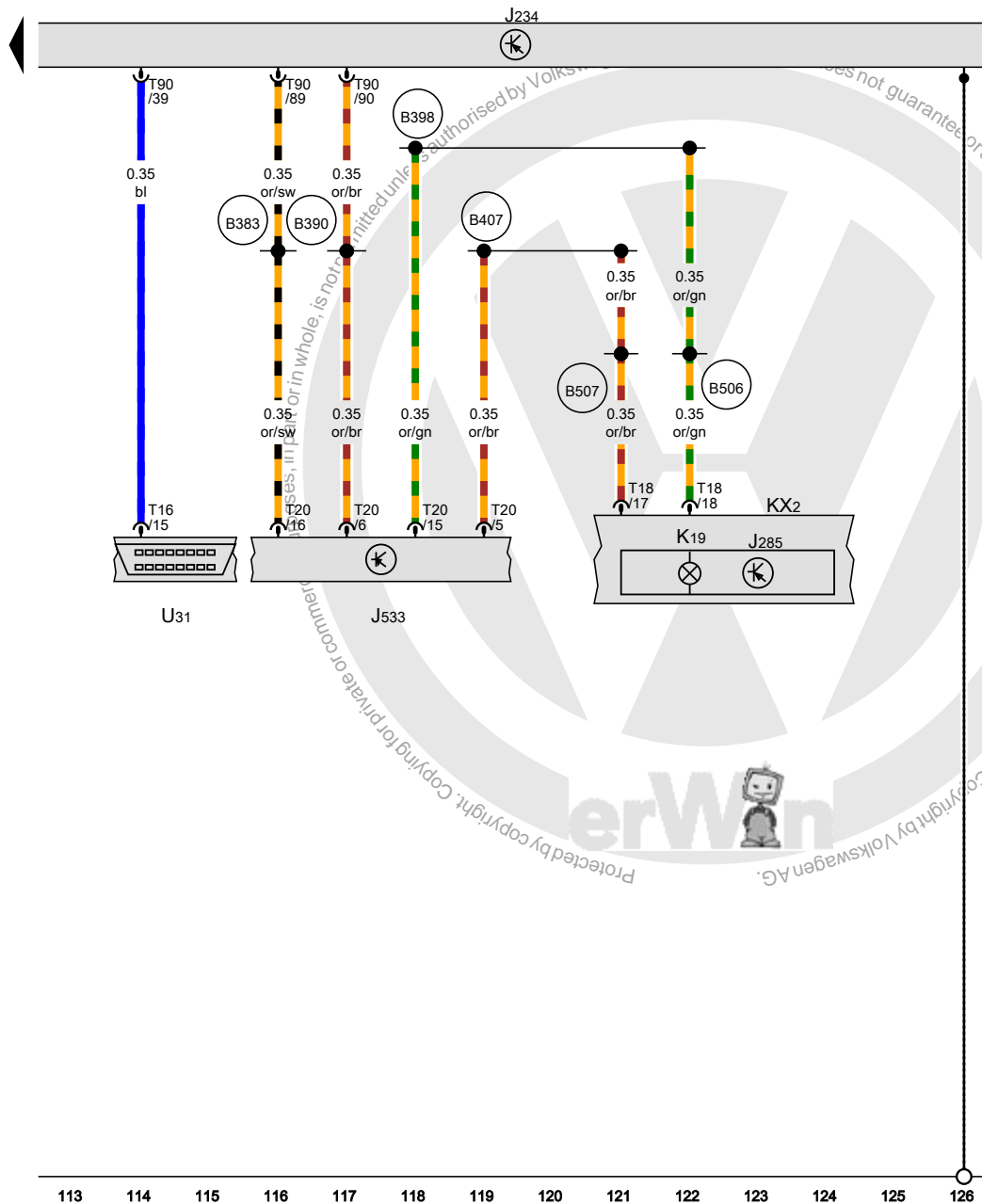
- F390 Belt switch for seat row 2, driver side
- F391 Belt switch for seat row 2, middle
- F392 Belt switch for seat row 2, passenger side
- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G190 Crash sensor for front airbag
- J234 Airbag control unit
- T2fn 2-pin connector
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2fz 2-pin connector
- T4eg 4-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

813 Earth connection 4, in airbag wiring harness

* According to equipment

*2 Wiring colour depends on equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Airbag control unit, Data bus diagnostic interface, Dash panel insert, Diagnostic connection

- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T16 16-pin connector
- T18 18-pin connector
- T20 20-pin connector
- T90 90-pin connector
- U31 Diagnostic connection

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness

* Earth supply via housing from airbag control unit

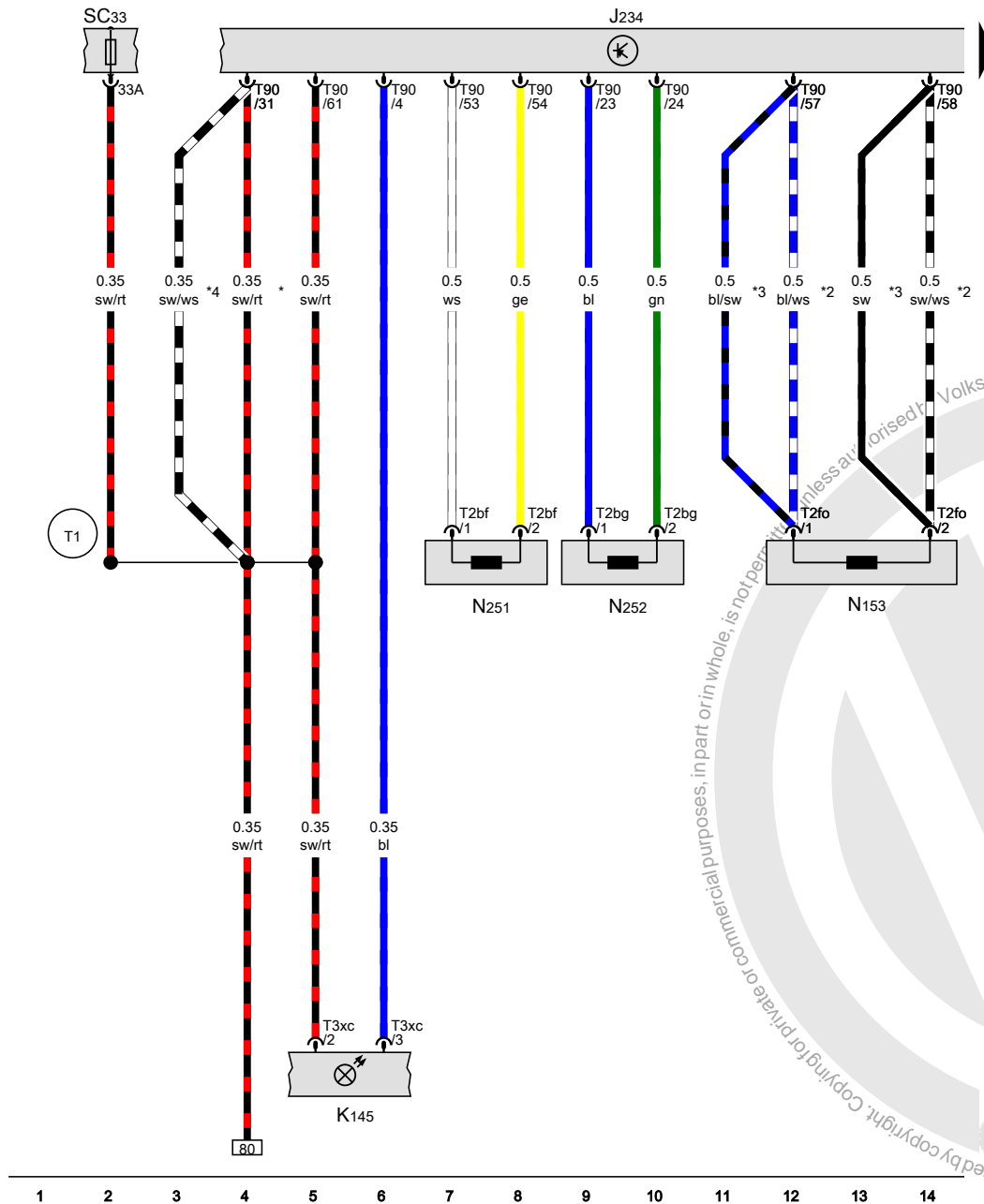
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag systems (US equipment) , (4UM)

From November 2016

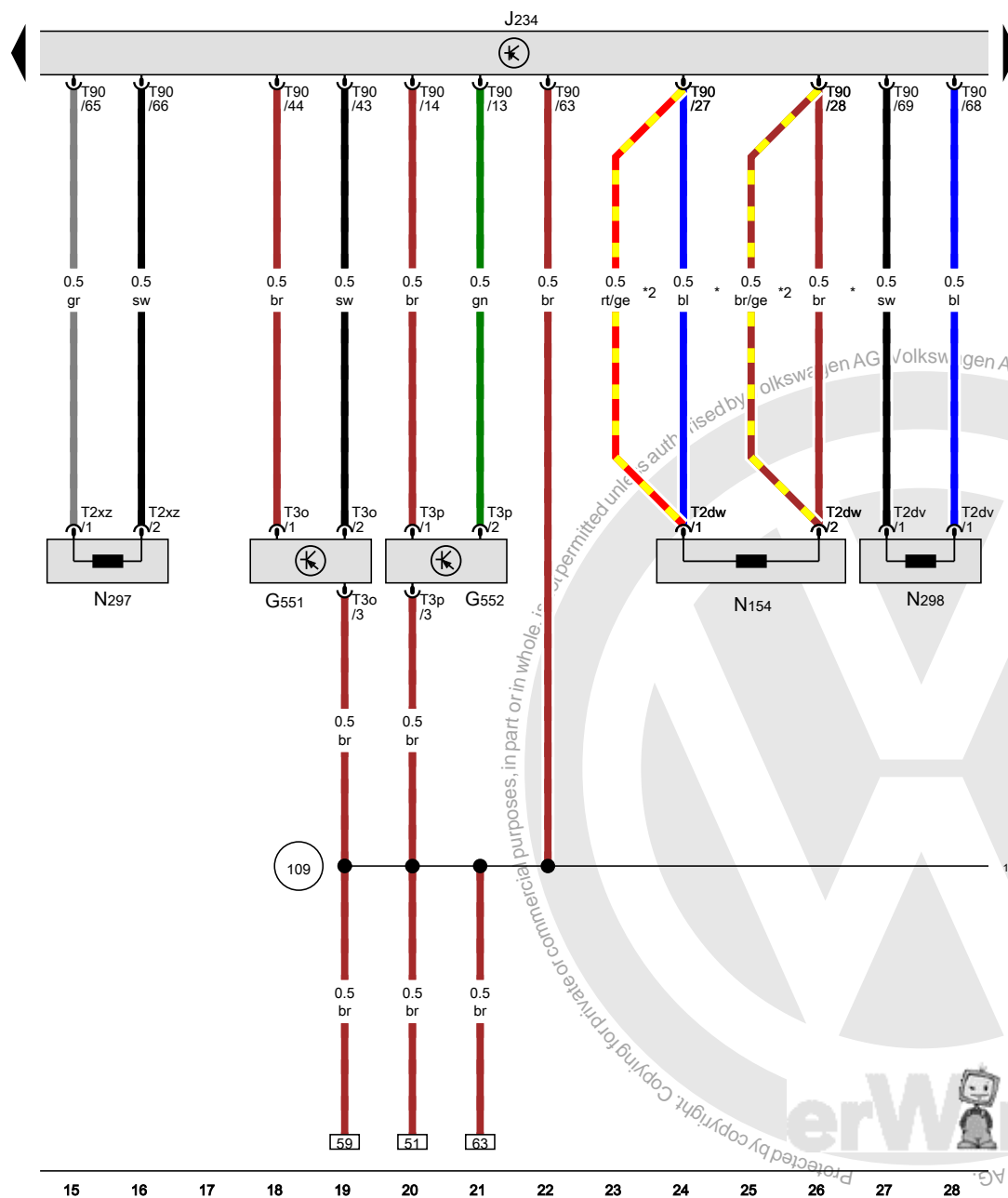


Airbag control unit, Front passenger side airbag deactivated warning lamp, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter



- J234 Airbag control unit
- K145 Front passenger side airbag deactivated warning lamp
- N153 Driver seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- SC33 Fuse 33 on fuse holder C
- T2bf 2-pin connector
- T2bg 2-pin connector
- T2fo 2-pin connector
- T3xc 3-pin connector
- T90 90-pin connector
- T1 Positive connection 1, in airbag wiring harness
- * Up to May 2017
- *2 For models with 4 doors
- *3 For models with 2 doors
- *4 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



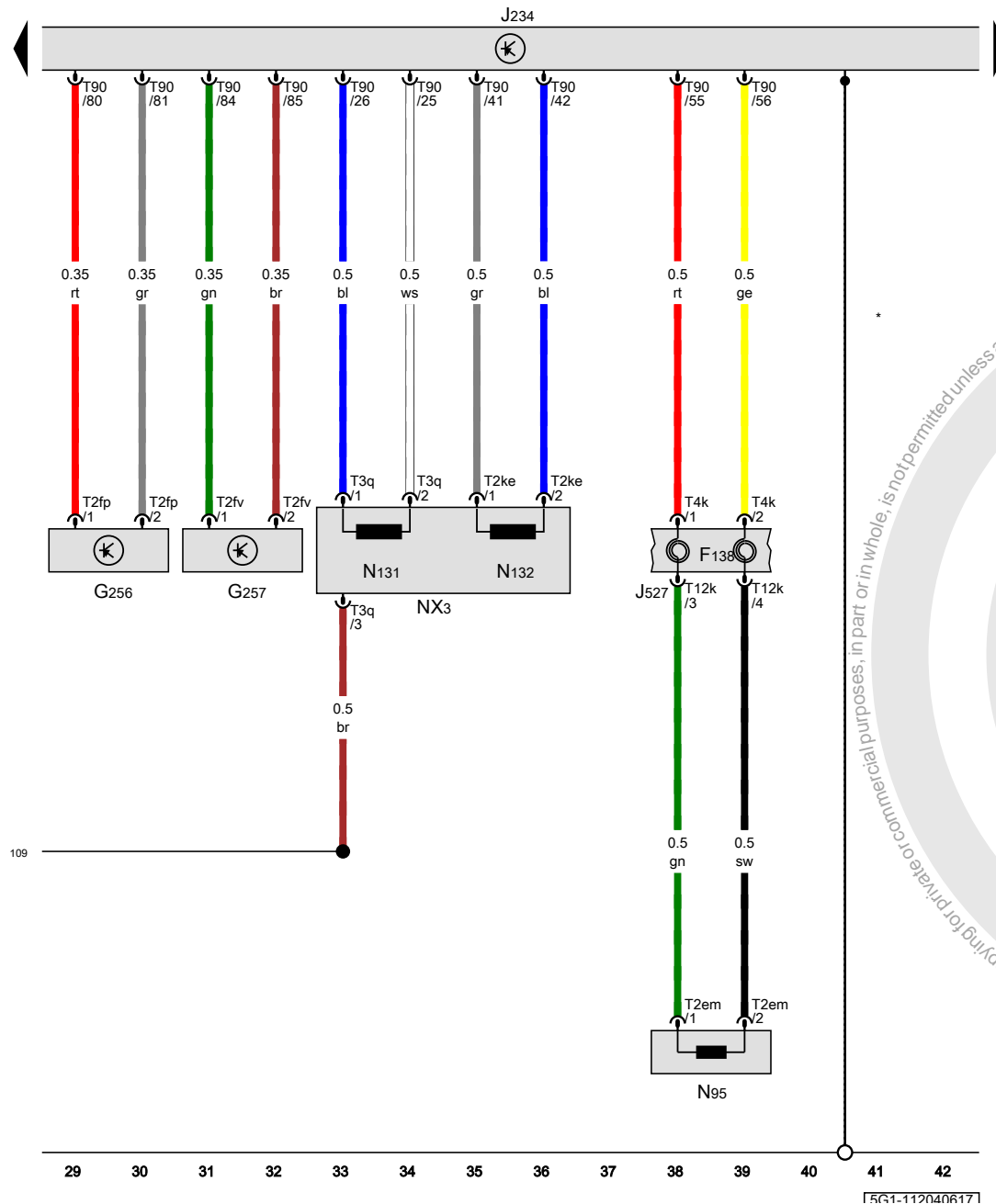
Driver side belt force limiter, Front passenger side belt force limiter, Airbag control unit, Front passenger seat belt tensioner igniter 1, Igniter for driver side seat belt tensioner 2, Igniter for front passenger side seat belt tensioner 2

- G551 Driver side belt force limiter
- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- N154 Front passenger seat belt tensioner igniter 1
- N297 Igniter for driver side seat belt tensioner 2
- N298 Igniter for front passenger side seat belt tensioner 2
- T2dv 2-pin connector
- T2dw 2-pin connector
- T2xz 2-pin connector
- T3o 3-pin connector
- T3p 3-pin connector
- T90 90-pin connector

109 Earth connection, in airbag wiring harness

- * For models with 4 doors
- *2 For models with 2 doors

- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
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- ge = yellow
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- rs = pink



Airbag coil connector and return ring with slip ring, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Steering column electronics control unit, Front passenger airbag unit, Driver side airbag igniter, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2

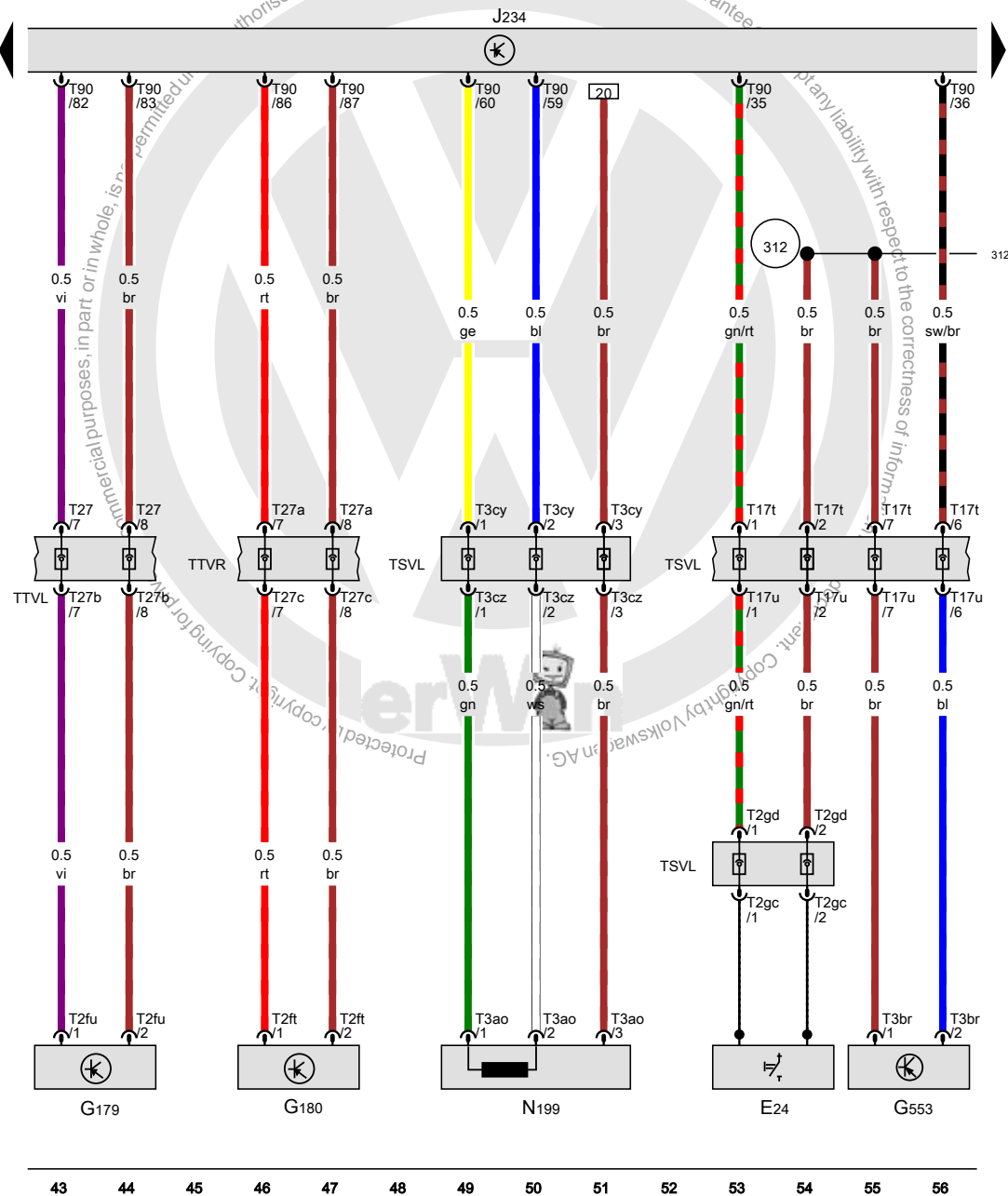
- F138 Airbag coil connector and return ring with slip ring
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- NX3 Front passenger airbag unit
- N95 Driver side airbag igniter
- N131 Front passenger side airbag igniter 1
- N132 Front passenger side airbag igniter 2
- T2em 2-pin connector
- T2fp 2-pin connector
- T2fv 2-pin connector
- T2ke 2-pin connector
- T3q 3-pin connector
- T4k 4-pin connector
- T12k 12-pin connector
- T90 90-pin connector

109 Earth connection, in airbag wiring harness

* Earth supply via housing

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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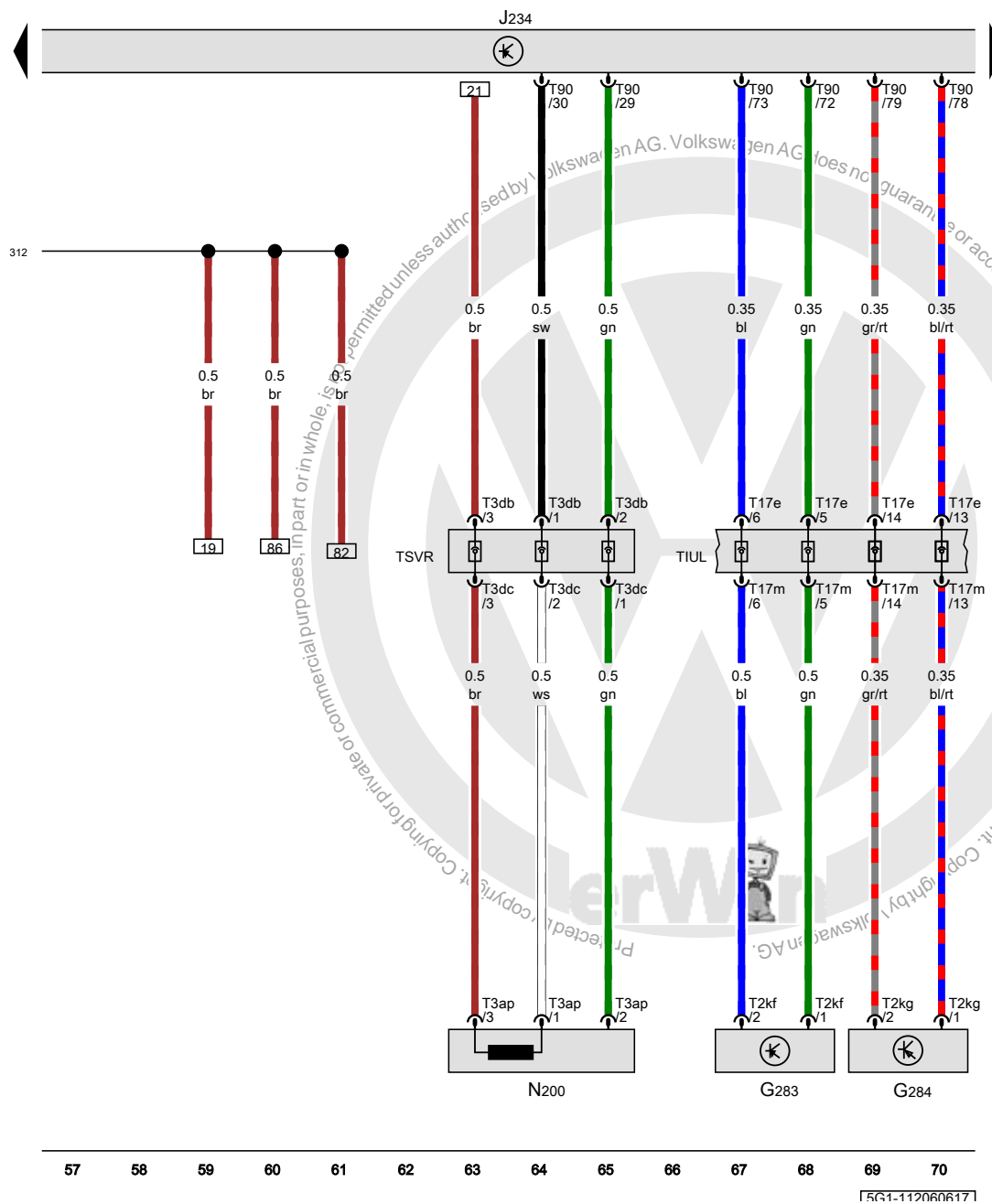


Driver side belt switch, Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Driver side seat position sensor, Airbag control unit, Side airbag igniter on driver side

- E24 Driver side belt switch
- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G553 Driver side seat position sensor
- J234 Airbag control unit
- N199 Side airbag igniter on driver side
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2gc 2-pin connector, black
- T2gd 2-pin connector, black
- T3ao 3-pin connector
- T3br 3-pin connector
- T3cy 3-pin connector, black
- T3cz 3-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- T90 90-pin connector
- TSVL Coupling point for front left seat
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door

312 Earth connection 2, in airbag wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

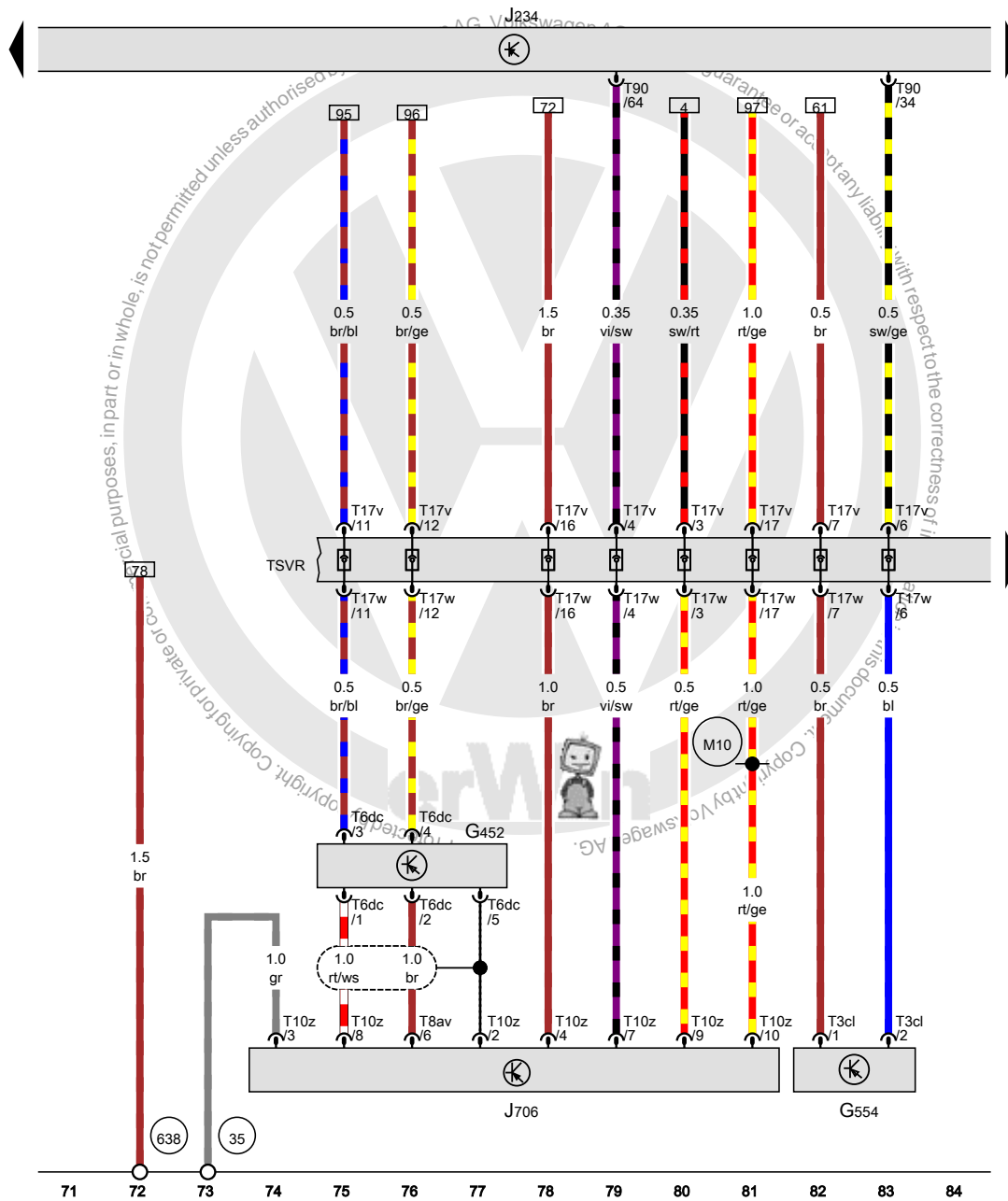


Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit, Side airbag igniter on front passenger side

- G283 Front airbag crash sensor for driver side
- G284 Front airbag crash sensor for front passenger side
- J234 Airbag control unit
- N200 Side airbag igniter on front passenger side
- T2kf 2-pin connector
- T2kg 2-pin connector
- T3ap 3-pin connector
- T3db 3-pin connector, black
- T3dc 3-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T90 90-pin connector
- TIUL Coupling point in interior, below left
- TSVR Coupling point for front right seat

312 Earth connection 2, in airbag wiring harness

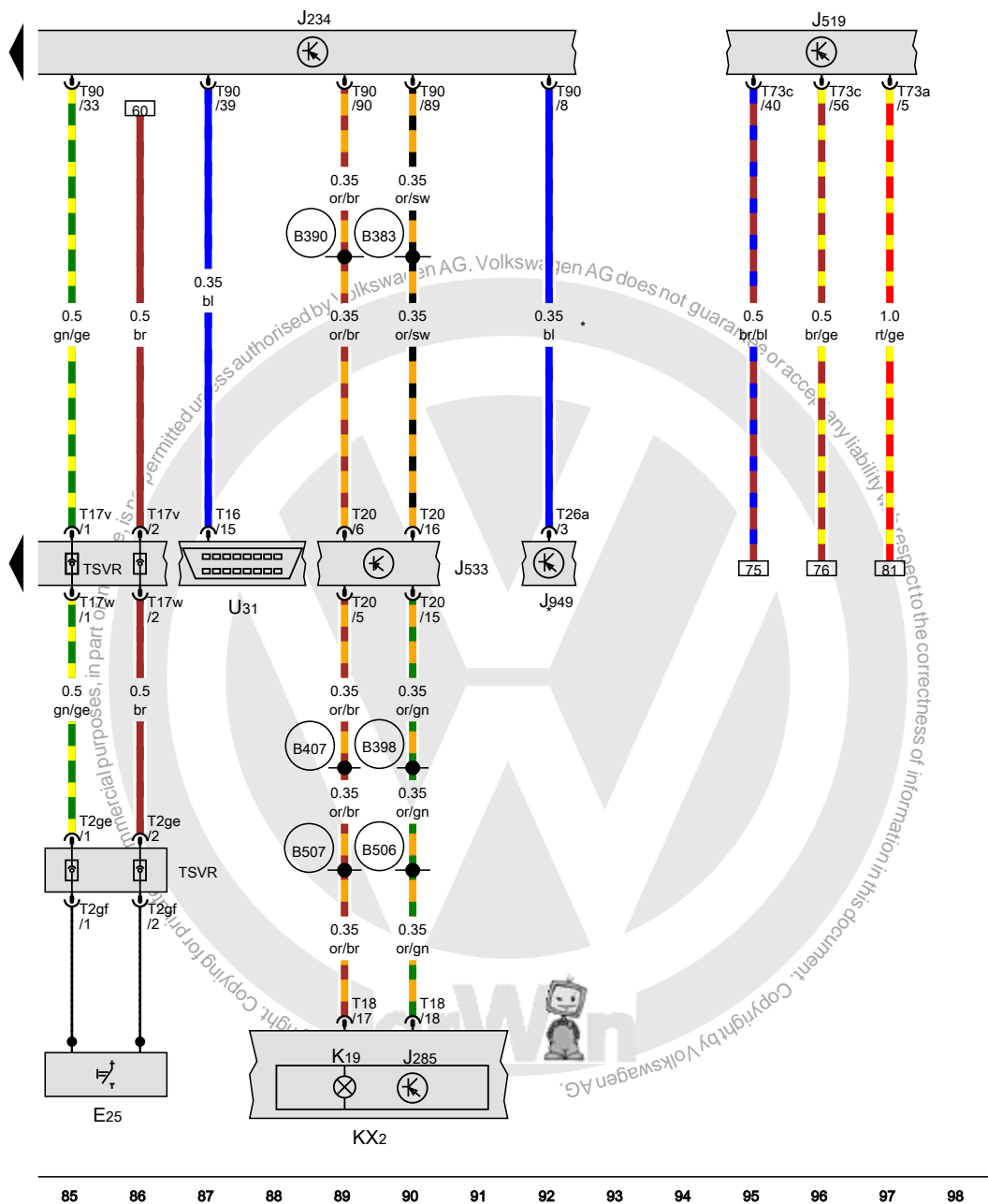
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Pressure sensor for seat occupied recognition, Front passenger side seat position sensor, Airbag control unit, Seat occupied recognition control unit

- G452 Pressure sensor for seat occupied recognition
- G554 Front passenger side seat position sensor
- J234 Airbag control unit
- J706 Seat occupied recognition control unit, on front passenger seat
- T3cl 3-pin connector
- T6dc 6-pin connector
- T8av 8-pin connector
- T10z 10-pin connector
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T90 90-pin connector
- TSVR Coupling point for front right seat, under front passenger seat
- 35 Earth point, under front passenger seat, on front passenger seat pan
- 638 Earth point, on right A-pillar
- M10 Connection 1, in driver seat adjustment wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Front passenger side belt switch, Airbag control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit, Dash panel insert, Diagnostic connection

- E25 Front passenger side belt switch
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J949 Emergency call module control unit and communication unit
- KX2 Dash panel insert
- K19 Seat belt warning system warning lamp
- T2ge 2-pin connector, black
- T2gf 2-pin connector, black
- T16 16-pin connector
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T18 18-pin connector
- T20 20-pin connector
- T26a 26-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- T90 90-pin connector
- TSVR Coupling point for front right seat
- U31 Diagnostic connection

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B398) Connection 2 (convenience CAN bus, high), in main wiring harness
- (B407) Connection 2 (convenience CAN bus, low), in main wiring harness
- (B506) Connection (convenience CAN bus, high), in interior wiring harness
- (B507) Connection (convenience CAN bus, low), in interior wiring harness

* According to equipment

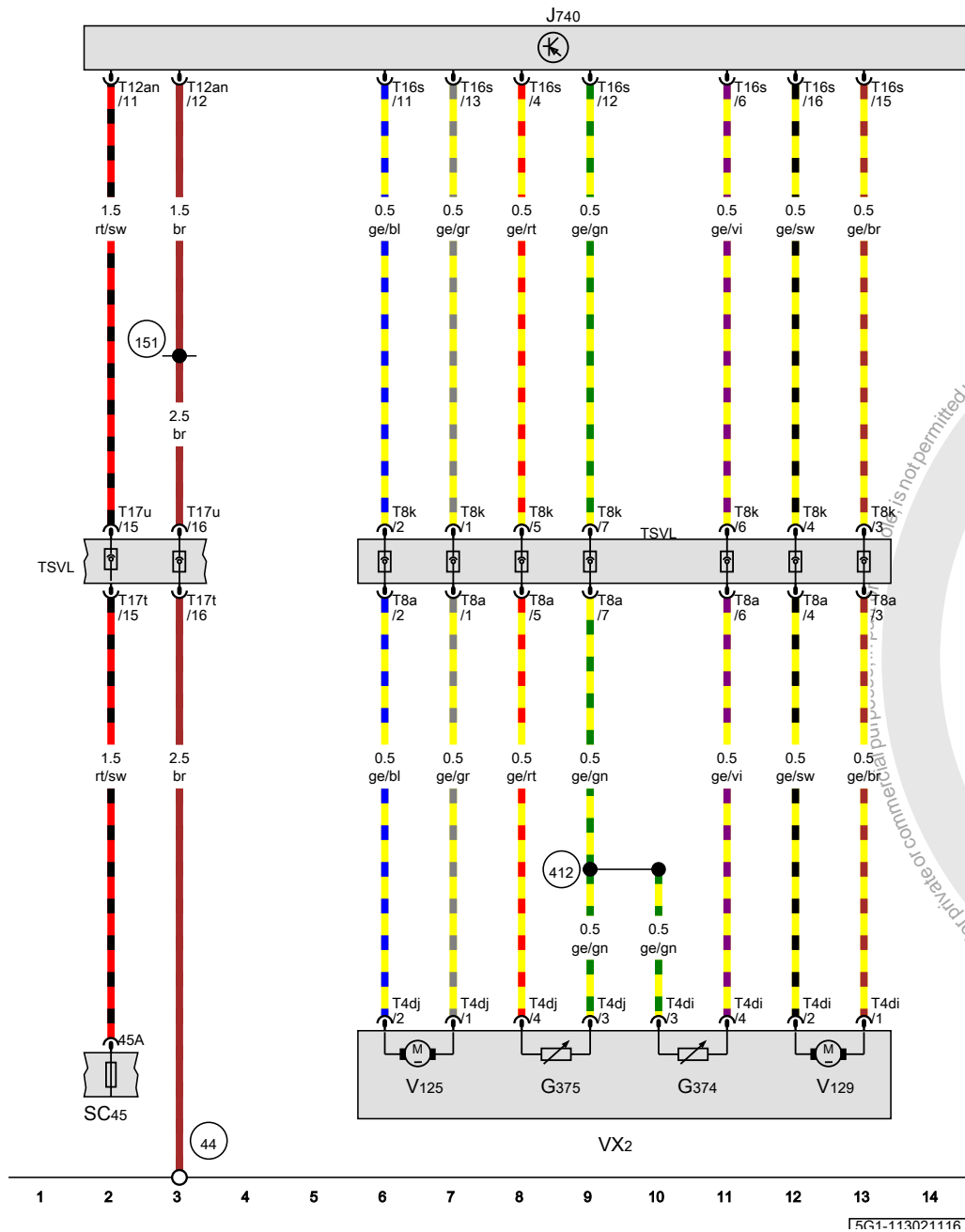
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver seat , (8I2),(L0L)

From November 2016



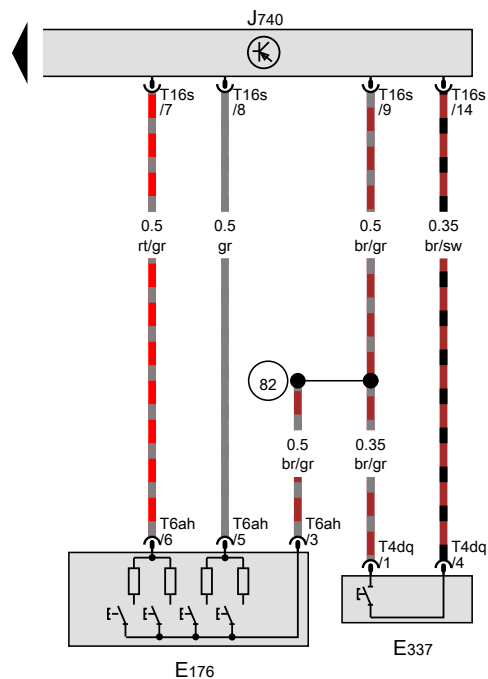
Massage control unit, Lumbar support for driver seat



- G374 Lumbar support height adjustment sender
- G375 Lumbar support longitudinal adjustment sender
- J740 Massage control unit
- SC45 Fuse 45 on fuse holder C
- T4di 4-pin connector
- T4dj 4-pin connector
- T8a 8-pin connector, black
- T8k 8-pin connector, black
- T12an 12-pin connector
- T16s 16-pin connector
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- TSVL Coupling point for front left seat
- VX2 Lumbar support for driver seat
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor

- 44 Earth point, lower part of left A-pillar
- 151 Earth connection 1, in front wiring harness
- 412 Earth connection 3, in seat adjustment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver seat lumbar support adjustment switch, Massage function button, Massage control unit

- E176 Driver seat lumbar support adjustment switch
- E337 Massage function button
- J740 Massage control unit
- T4dq 4-pin connector
- T6ah 6-pin connector
- T16s 16-pin connector

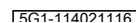
82 Earth connection 1, in front left wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver seat , (8I3),(L0R)

From November 2016





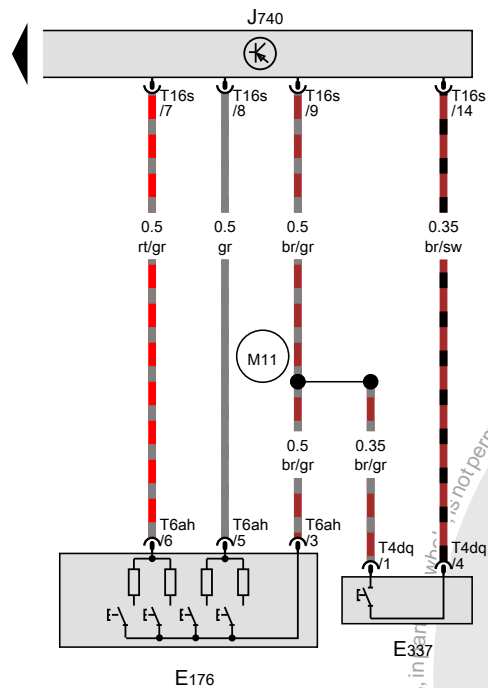
* Cross section depends on equipment



Driver seat lumbar support adjustment switch, Massage function button, Massage control unit

- E176 Driver seat lumbar support adjustment switch
- E337 Massage function button
- J740 Massage control unit
- T4dq 4-pin connector
- T6ah 6-pin connector
- T16s 16-pin connector

M11 Connection 2, in driver seat adjustment wiring harness

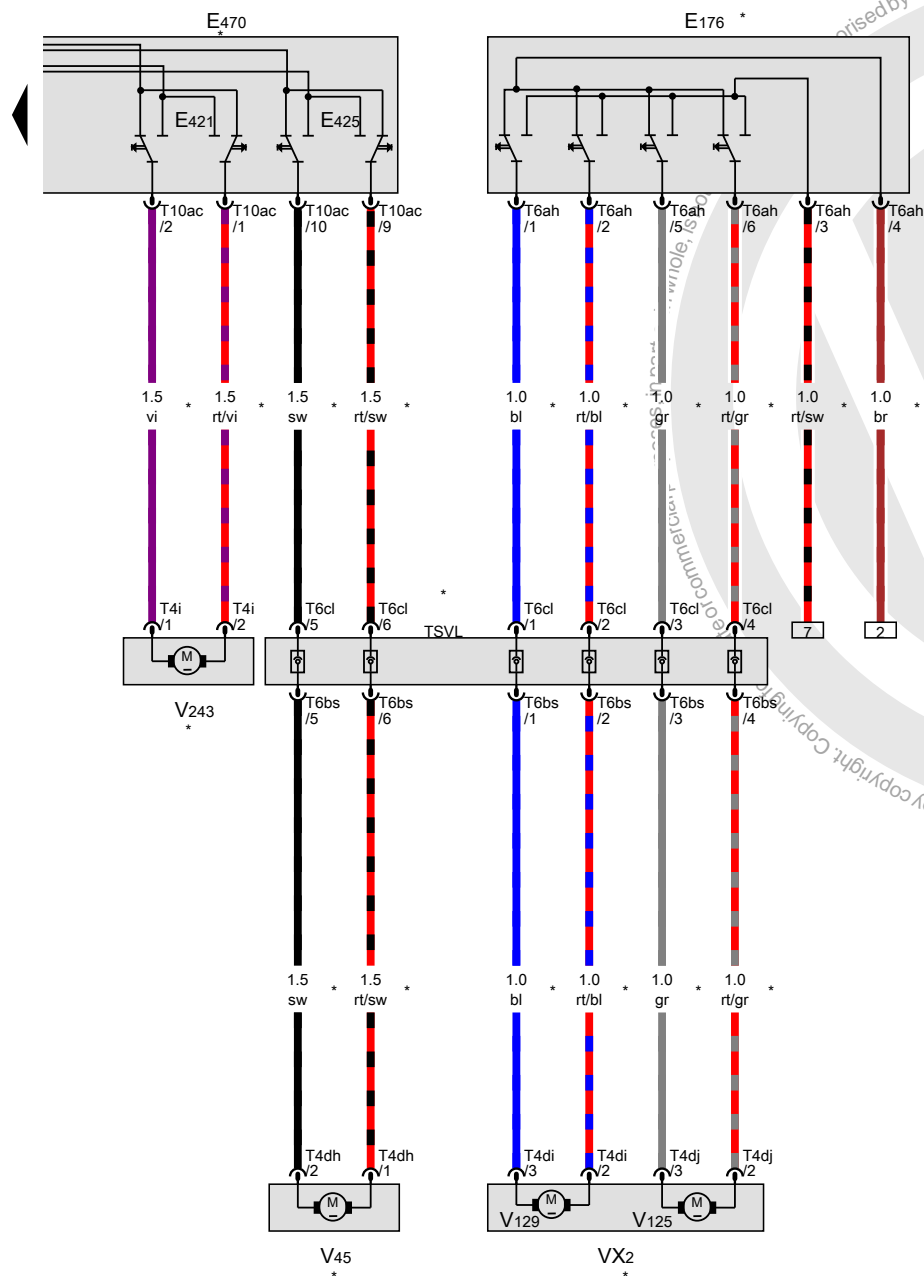


- ws = white
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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Electric seat adjustment with no memory function , (3PB),(3PE),(7P7),(7P8)

From November 2016

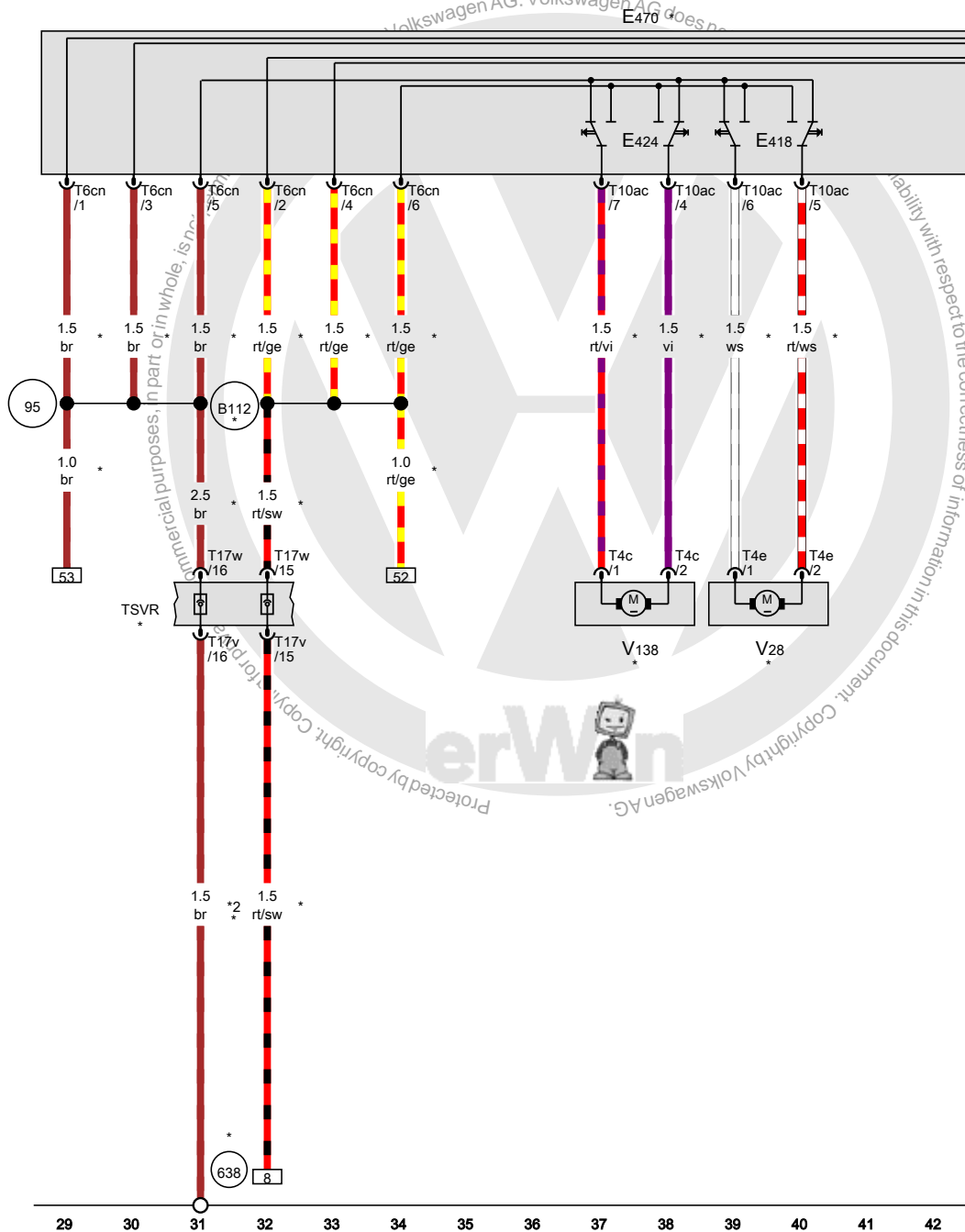




Driver seat lumbar support adjustment switch, Rake adjustment button, Backrest adjustment button, Driver seat adjustment operating unit, Lumbar support for driver seat, Driver seat backrest adjustment motor, Driver seat rake adjustment motor

- E176 Driver seat lumbar support adjustment switch
- E421 Rake adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4dh 4-pin connector
- T4di 4-pin connector
- T4dj 4-pin connector
- T4i 4-pin connector
- T6ah 6-pin connector
- T6bs 6-pin connector, black
- T6cl 6-pin connector, black
- T10ac 10-pin connector
- TSVL Coupling point for front left seat
- VX2 Lumbar support for driver seat
- V45 Driver seat backrest adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V243 Driver seat rake adjustment motor
- * Only left-hand drive models
- *2 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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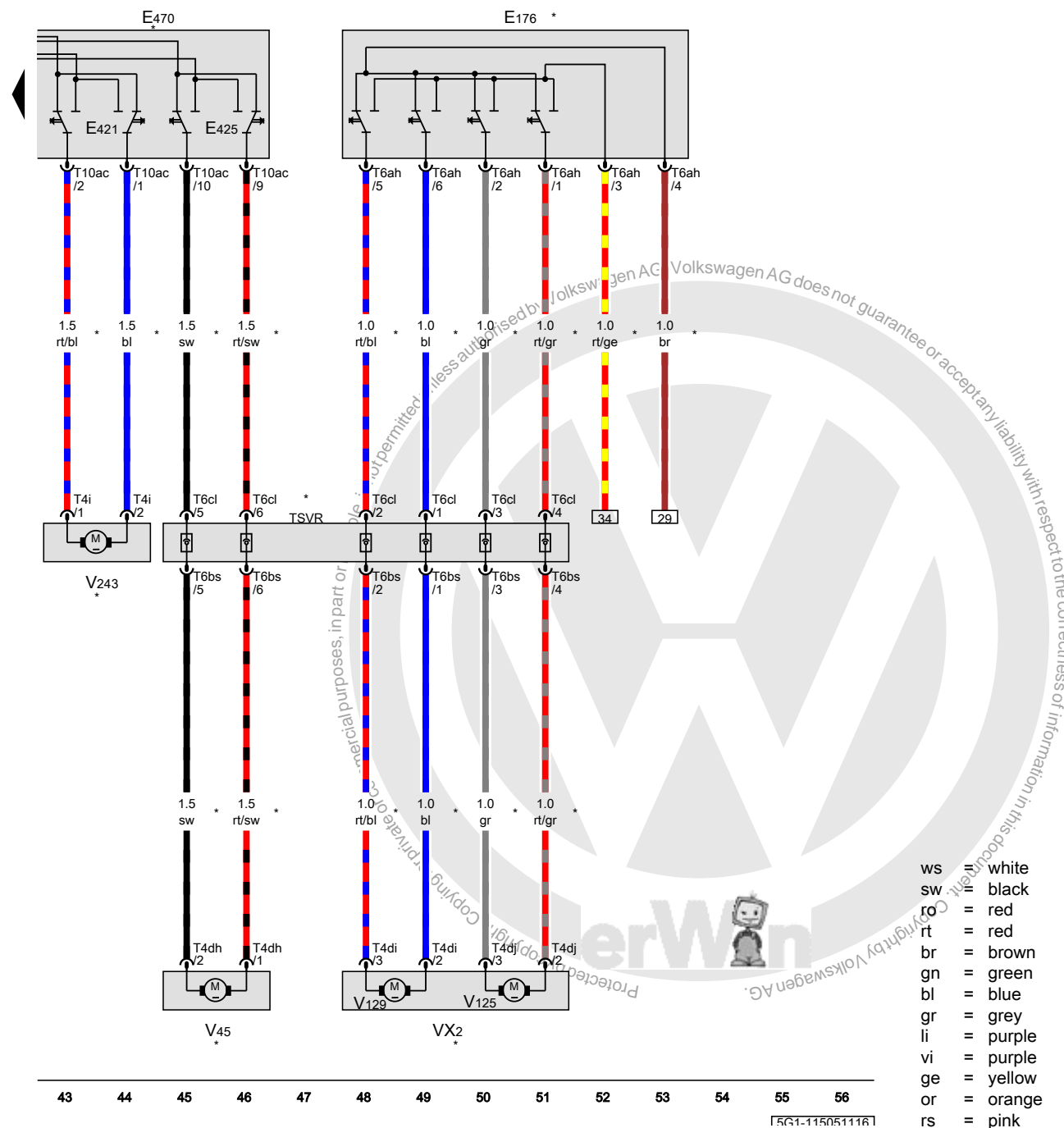
Seat longitudinal adjustment button, Seat height adjustment button, Driver seat adjustment operating unit, Driver seat longitudinal adjustment motor, Driver seat height adjustment motor

- E418 Seat longitudinal adjustment button
- E424 Seat height adjustment button
- E470 Driver seat adjustment operating unit
- T4c 4-pin connector
- T4e 4-pin connector
- T6cn 6-pin connector
- T10ac 10-pin connector
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- TSVR Coupling point for front right seat
- V28 Driver seat longitudinal adjustment motor
- V138 Driver seat height adjustment motor

- 95 Earth connection 1, in seat adjustment wiring harness
- 638 Earth point, on right A-pillar
- B112 Positive connection (30a), in right interior wiring harness

- * Only right-hand drive models
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver seat lumbar support adjustment switch, Rake adjustment button, Backrest adjustment button, Driver seat adjustment operating unit, Lumbar support for driver seat, Driver seat backrest adjustment motor, Driver seat rake adjustment motor

- E176 Driver seat lumbar support adjustment switch
- E421 Rake adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4dh 4-pin connector
- T4di 4-pin connector
- T4dj 4-pin connector
- T4i 4-pin connector
- T6ah 6-pin connector
- T6bs 6-pin connector, black
- T6cl 6-pin connector, black
- T10ac 10-pin connector
- TSVR Coupling point for front right seat
- VX2 Lumbar support for driver seat
- V45 Driver seat backrest adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V243 Driver seat rake adjustment motor
- * Only right-hand drive models

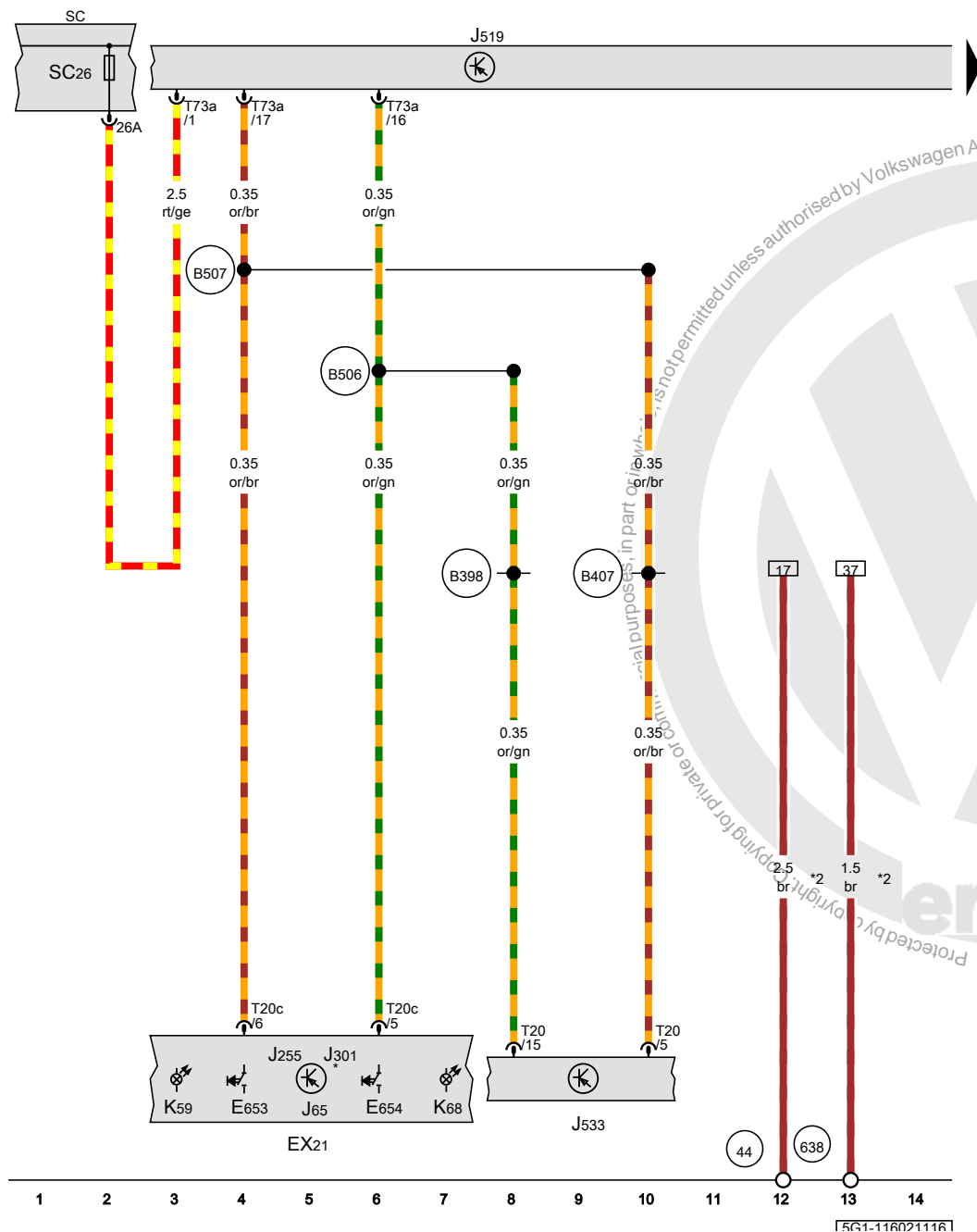
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
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- rs = pink

Seat heating , (4A3),(L0L)

From November 2016



Heater and air conditioning controls, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C



- EX21 Heater and air conditioning controls
- E653 Button for left seat heating
- E654 Button for right seat heating
- J65 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K59 Heated driver seat warning lamp
- K68 Heated front passenger seat warning lamp
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T73a 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 638 Earth point, on right A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * According to equipment
- *2 Cross section depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
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 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Front left seat temperature sender, Onboard supply control unit, Seat heating (driver side)

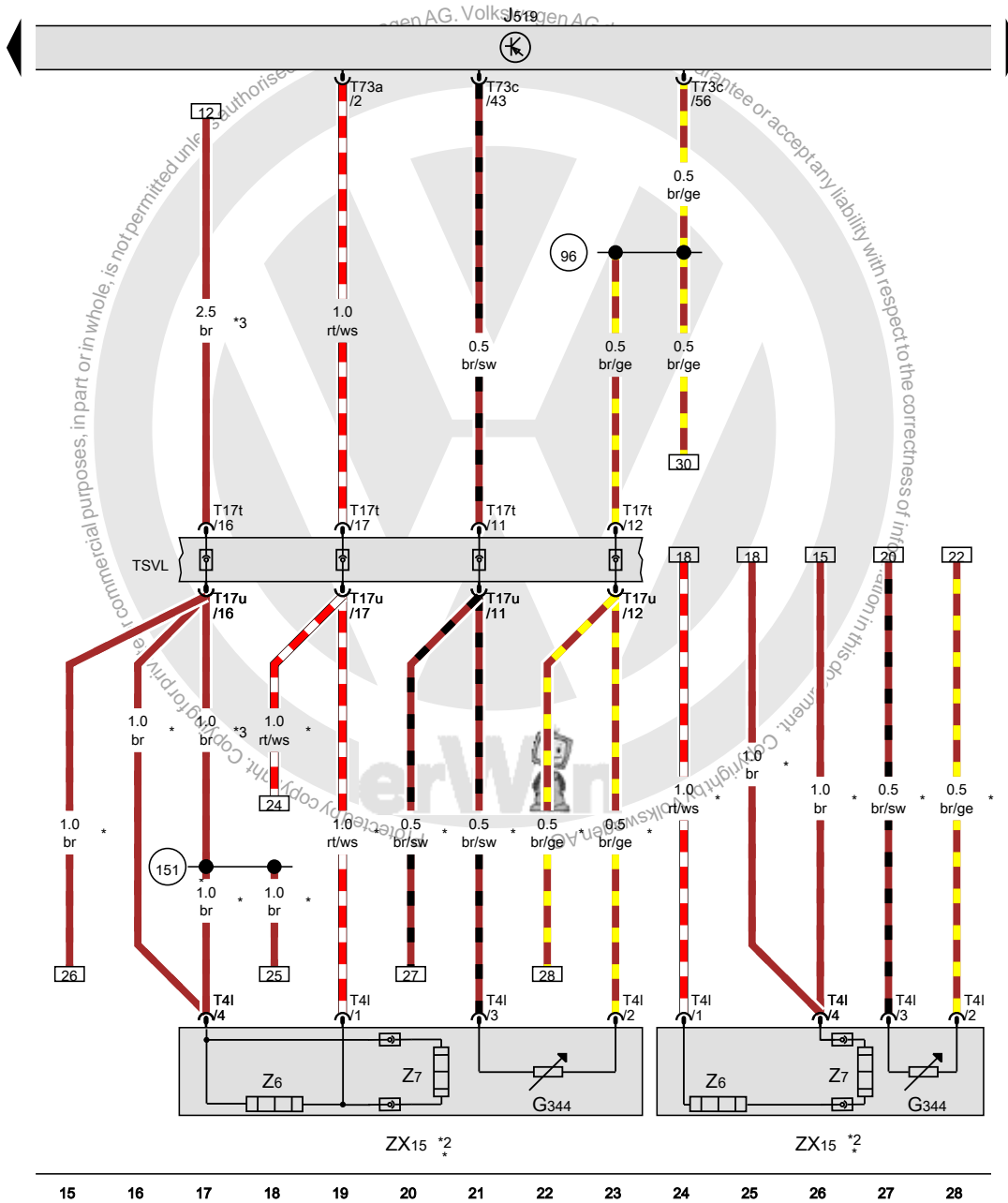
- G344 Front left seat temperature sender
- J519 Onboard supply control unit
- T4l 4-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TSVL Coupling point for front left seat
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- ZX15 Seat heating (driver side)

96 Earth connection 1, in seat heating wiring harness

151 Earth connection 1, in front wiring harness

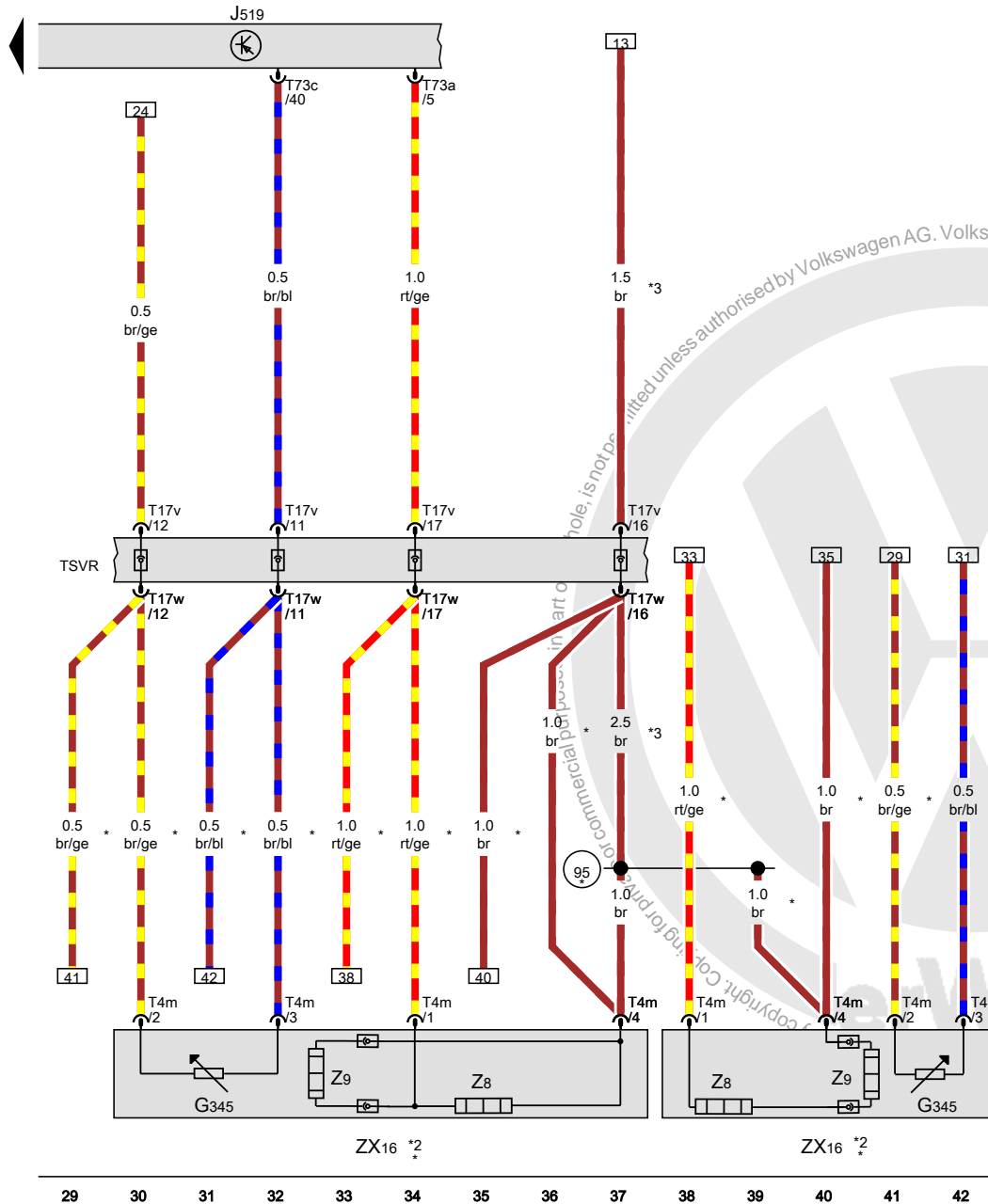
- * According to equipment
- *2 Pre-wired component
- *3 Cross section depends on equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



15 16 17 18 19 20 21 22 23 24 25 26 27 28

Front right seat temperature sender, Onboard supply control unit, Seat heating (front passenger side)



- G345 Front right seat temperature sender
- J519 Onboard supply control unit
- T4m 4-pin connector, black
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TSVR Coupling point for front right seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- ZX16 Seat heating (front passenger side)
- 95 Earth connection 1, in seat adjustment wiring harness

- * According to equipment
- *2 Pre-wired component
- *3 Cross section depends on equipment

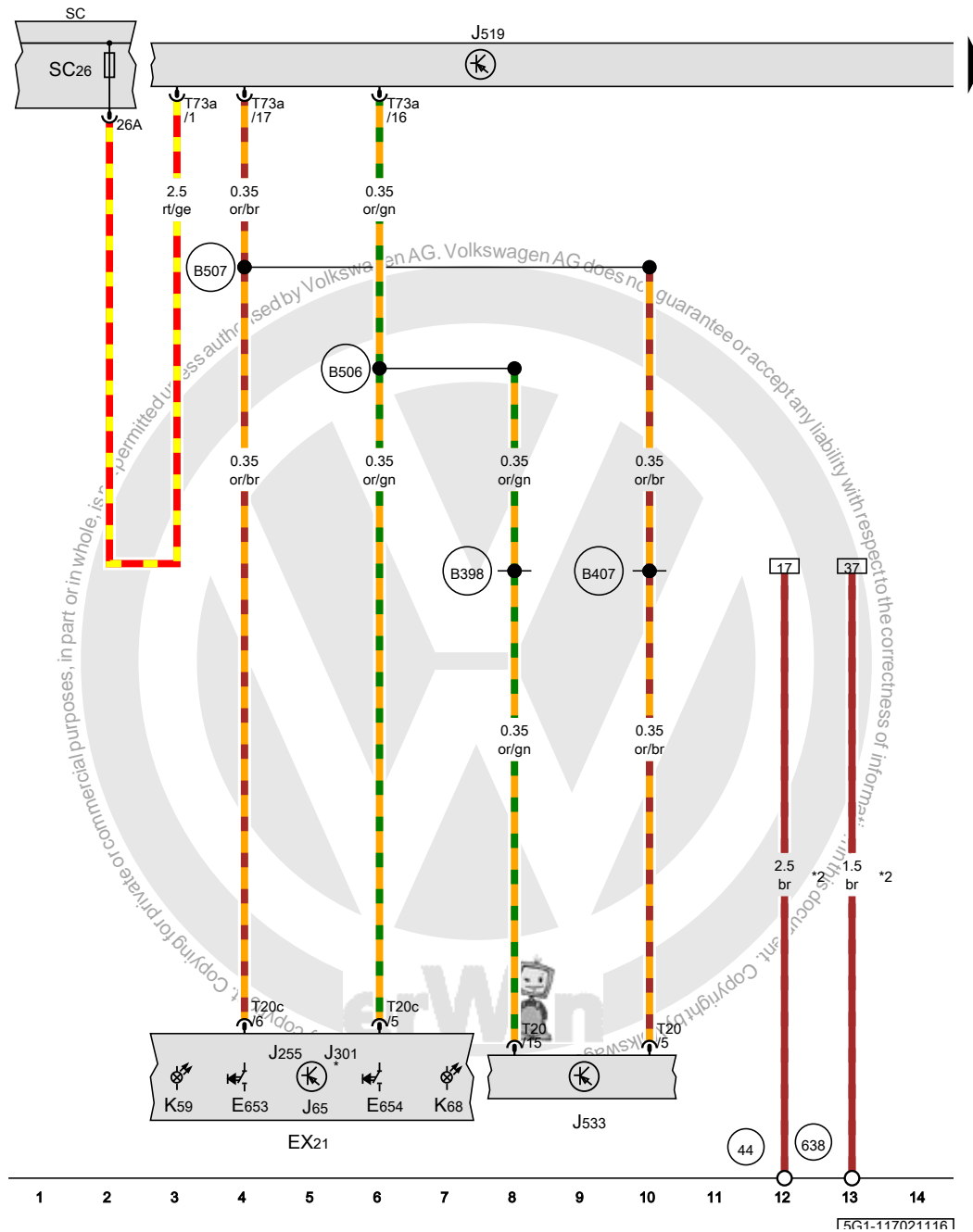
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

15G1-116041116

Seat heating , (4A3),(L0R)

From November 2016





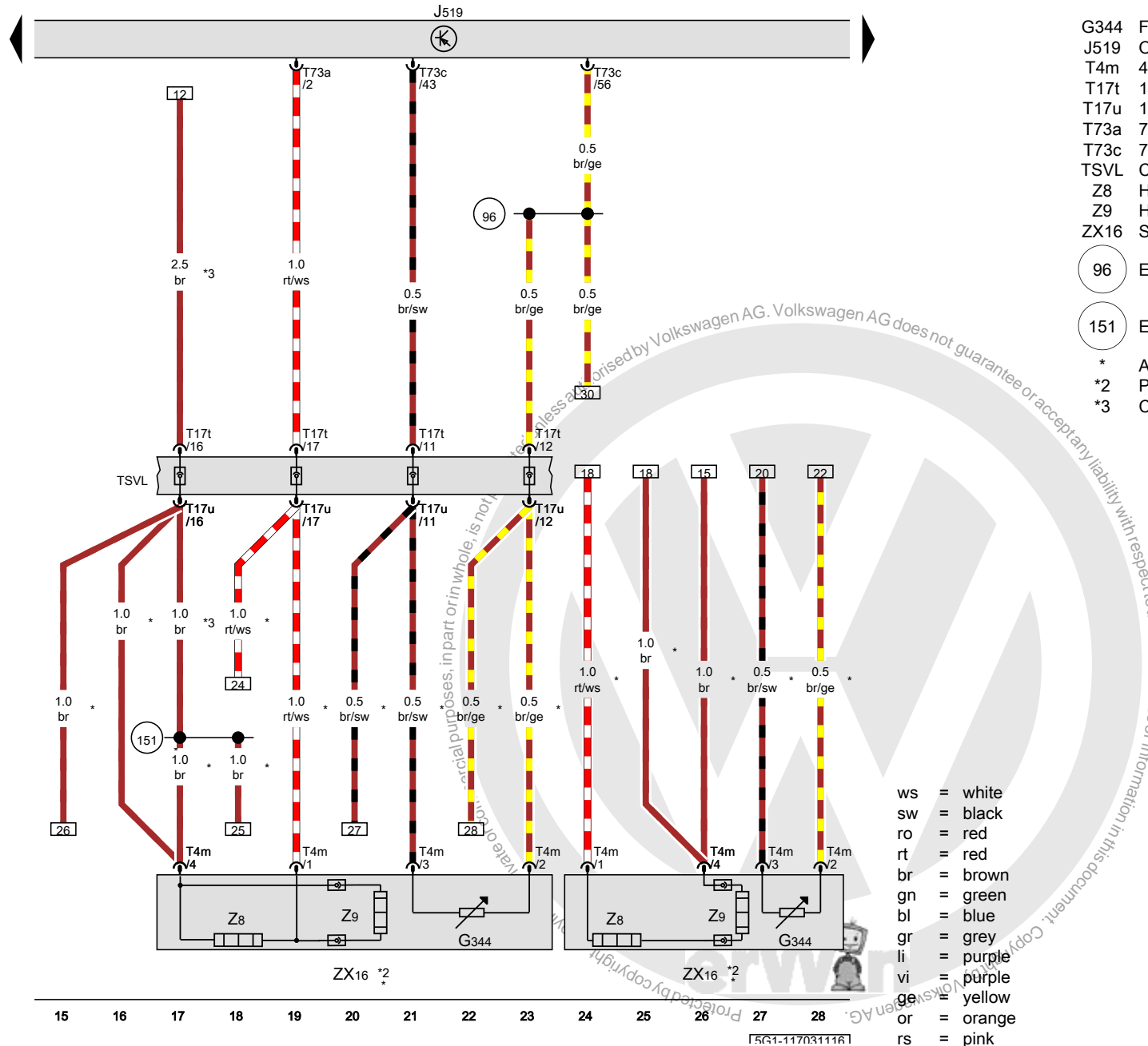
Heater and air conditioning controls, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C

- EX21 Heater and air conditioning controls
- E653 Button for left seat heating
- E654 Button for right seat heating
- J65 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K59 Heated driver seat warning lamp
- K68 Heated front passenger seat warning lamp
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T73a 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 638 Earth point, on right A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * According to equipment
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Front left seat temperature sender, Onboard supply control unit, Seat heating (front passenger side)



- G344 Front left seat temperature sender
- J519 Onboard supply control unit
- T4m 4-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TSVL Coupling point for front left seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- ZX16 Seat heating (front passenger side)

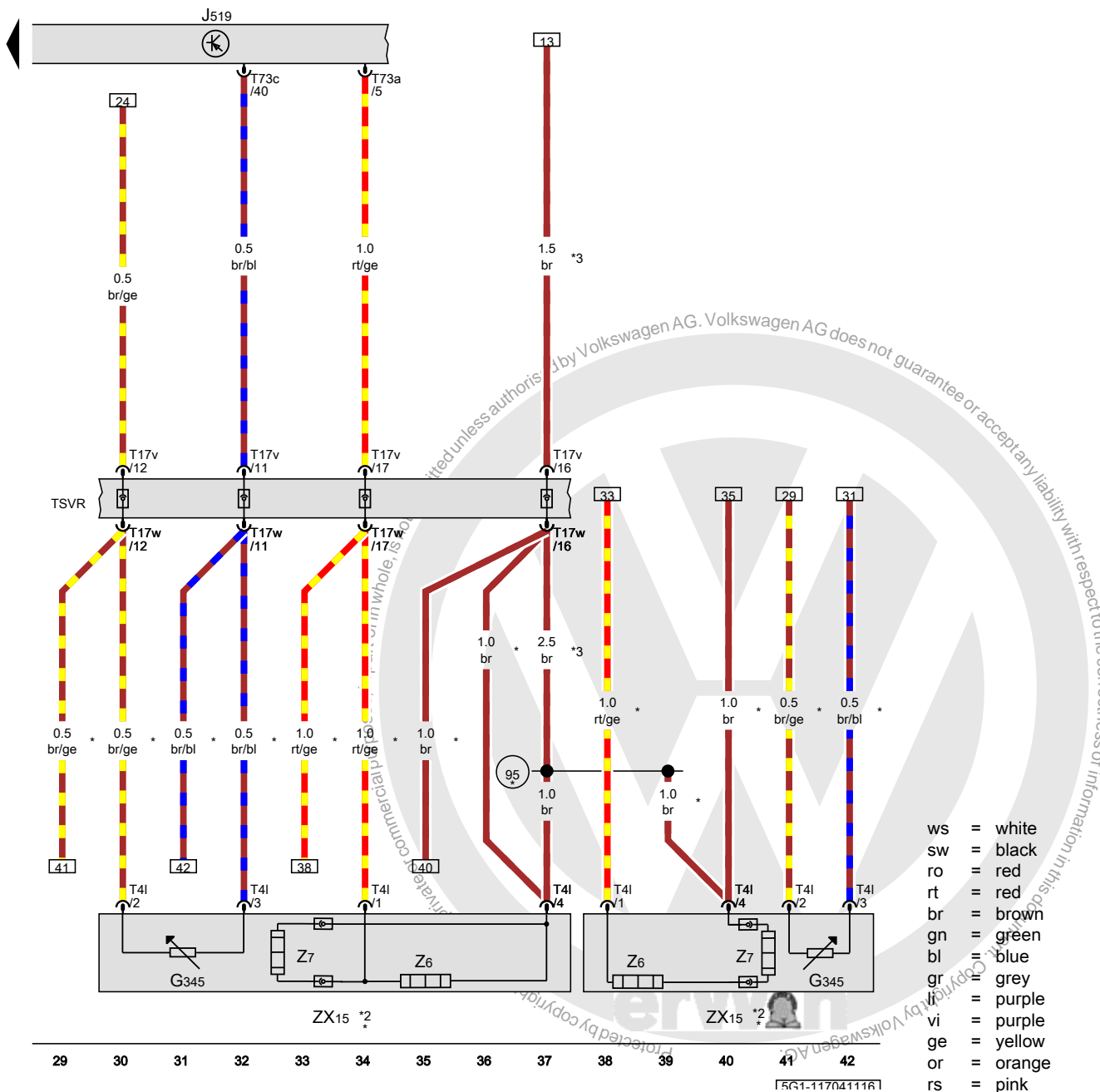
96 Earth connection 1, in seat heating wiring harness

151 Earth connection 1, in front wiring harness

- * According to equipment
- *2 Pre-wired component
- *3 Cross section depends on equipment

ws = white
sw = black
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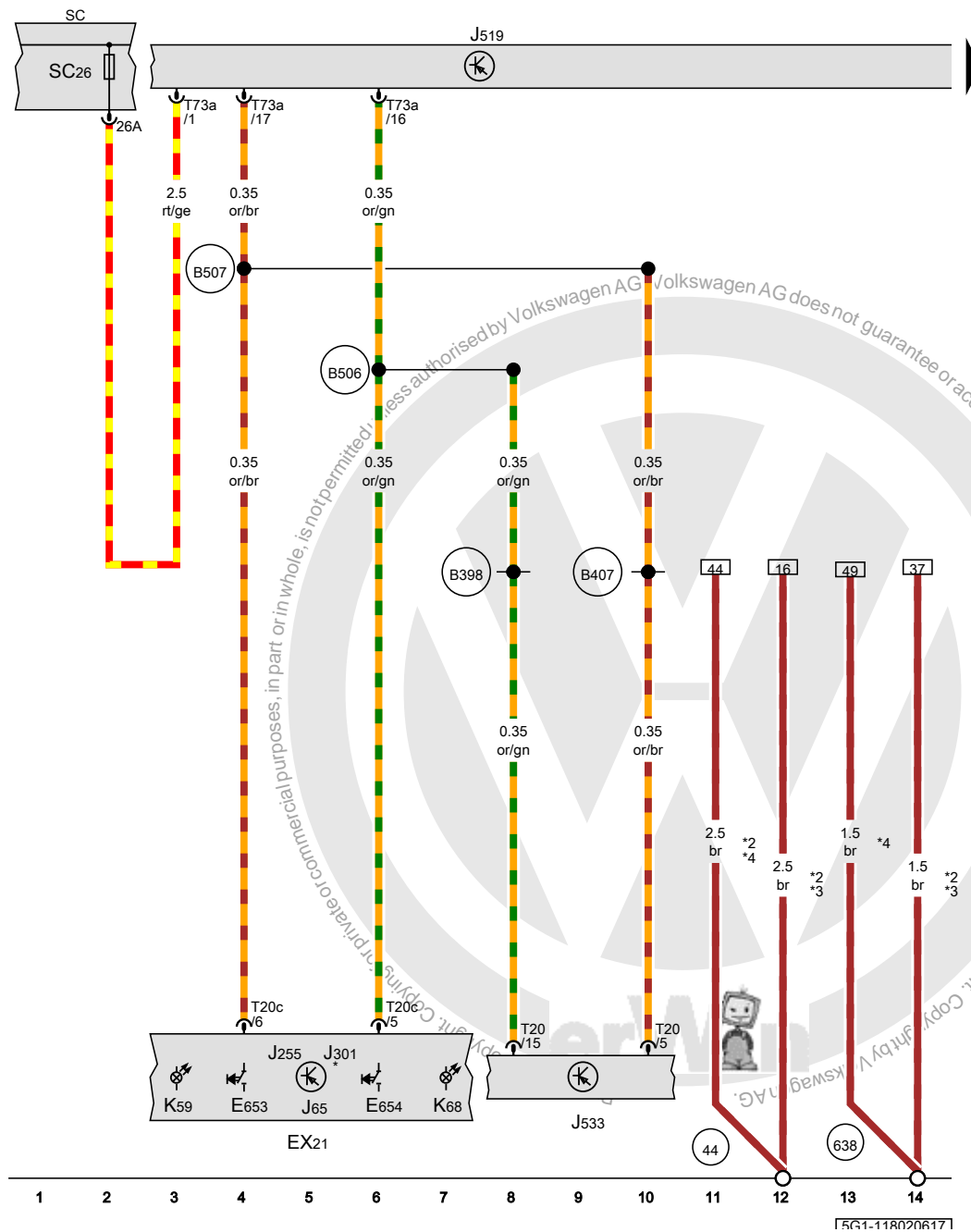
Front right seat temperature sender, Onboard supply control unit, Seat heating (driver side)



Seat heating , (L0L),(Q4Q)

From February 2016





Heater and air conditioning controls, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C

- EX21 Heater and air conditioning controls
- E653 Button for left seat heating
- E654 Button for right seat heating
- J65 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K59 Heated driver seat warning lamp
- K68 Heated front passenger seat warning lamp
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T73a 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 638 Earth point, on right A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * According to equipment
- *2 Cross section depends on equipment
- *3 From November 2016
- *4 Up to November 2016

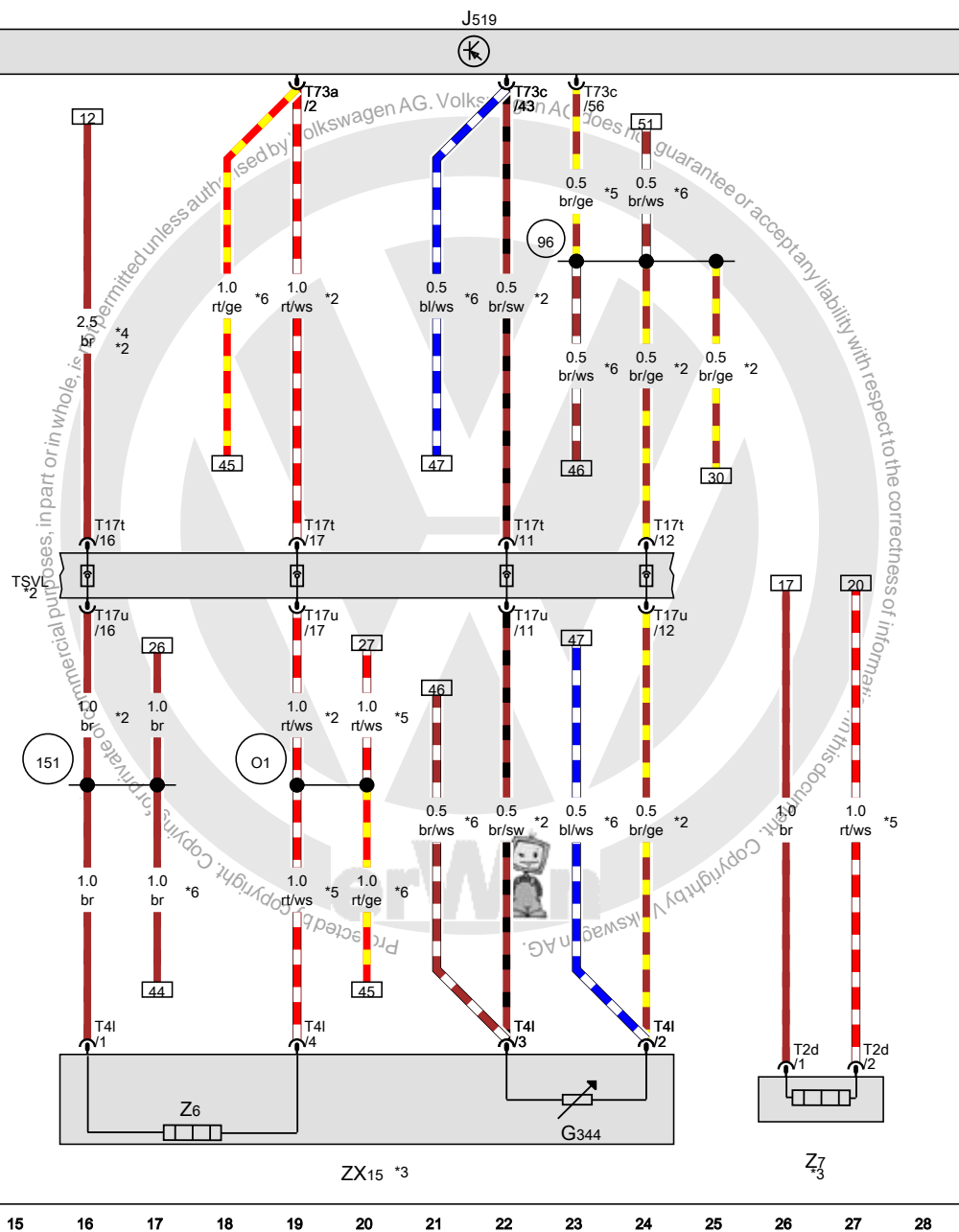
Front left seat temperature sender, Onboard supply control unit, Heated backrest for driver seat, Seat heating (driver side)

- G344 Front left seat temperature sender
- J519 Onboard supply control unit
- T2d 2-pin connector, black
- T4l 4-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TSVL Coupling point for front left seat
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- ZX15 Seat heating (driver side)

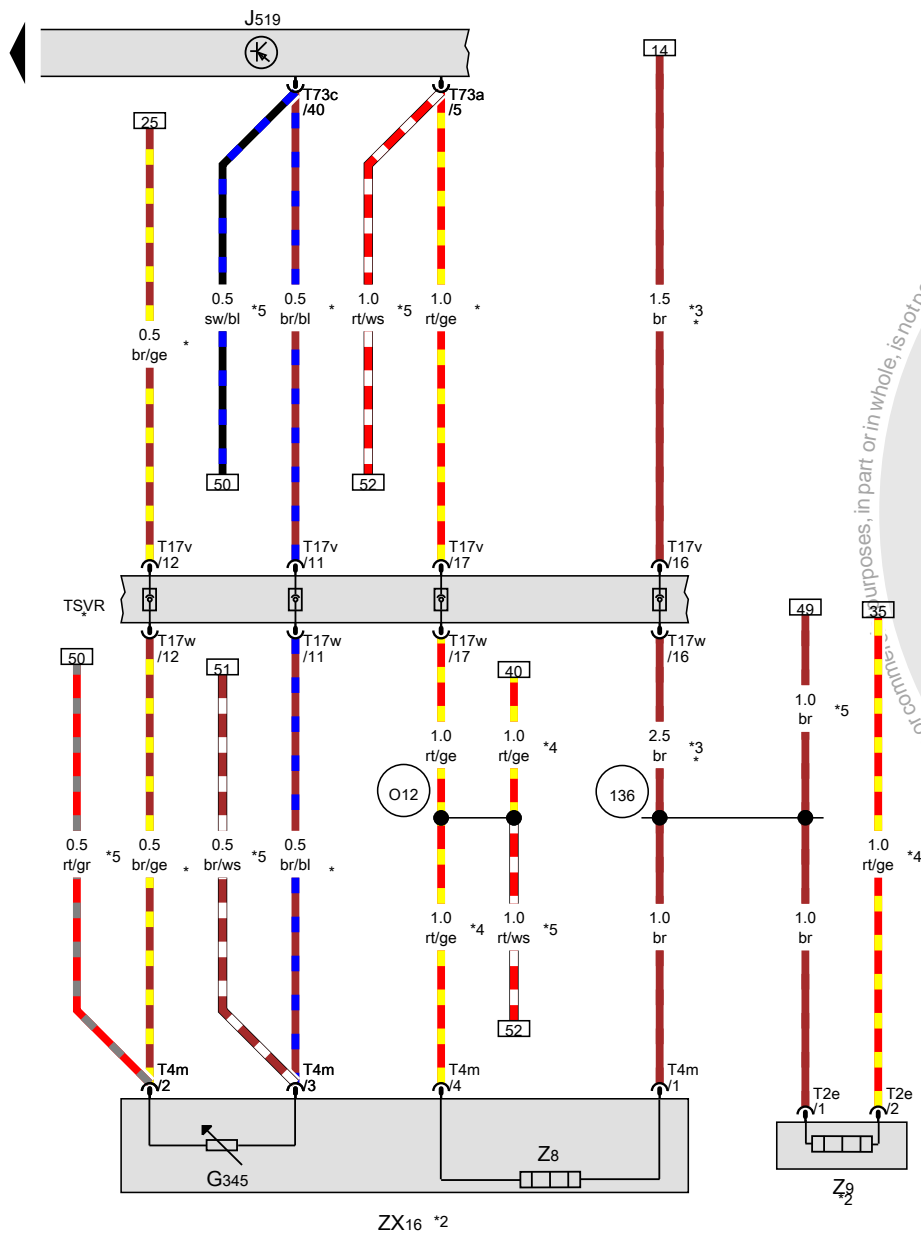
- 96 Earth connection 1, in seat heating wiring harness
- 151 Earth connection 1, in front wiring harness
- O1 Positive connection (30), in seat heating wiring harness

- * According to equipment
- *2 From November 2016
- *3 Pre-wired component
- *4 Cross section depends on equipment
- *5 Different wire colour possible
- *6 Up to November 2016

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Front right seat temperature sender, Onboard supply control unit, Heated backrest for front passenger seat, Seat heating (front passenger side)



G345 Front right seat temperature sender

J519 Onboard supply control unit

T2e 2-pin connector, black

T4m 4-pin connector, black

T17v 17-pin connector, red

T17w 17-pin connector, red

T73a 73-pin connector, black

T73c 73-pin connector, black

TSVR Coupling point for front right seat

Z8 Heated seat cushion for front passenger seat

Z9 Heated backrest for front passenger seat

ZX16 Seat heating (front passenger side)

136 Earth connection 2, in seat heating wiring harness

O12 Connection 1, in seat heating wiring harness

* From November 2016

*2 Pre-wired component

*3 Cross section depends on equipment

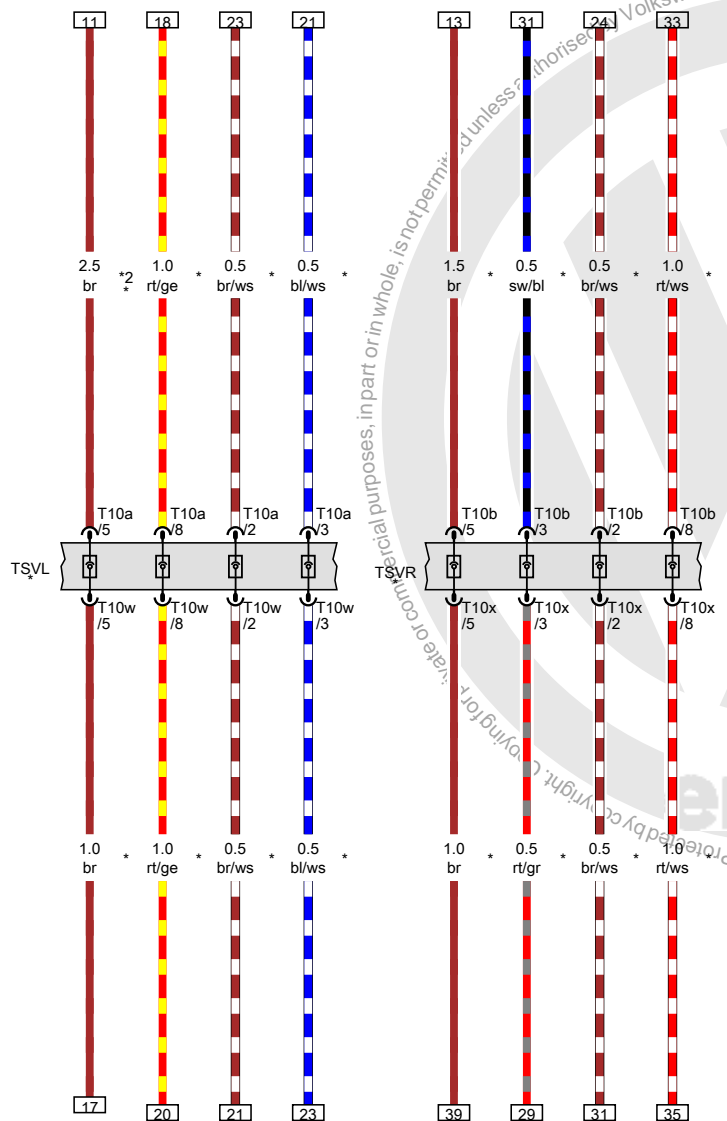
*4 Different wire colour possible

*5 Up to November 2016

ws = white
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gn = green
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Coupling point for front left seat, Coupling point for front right seat

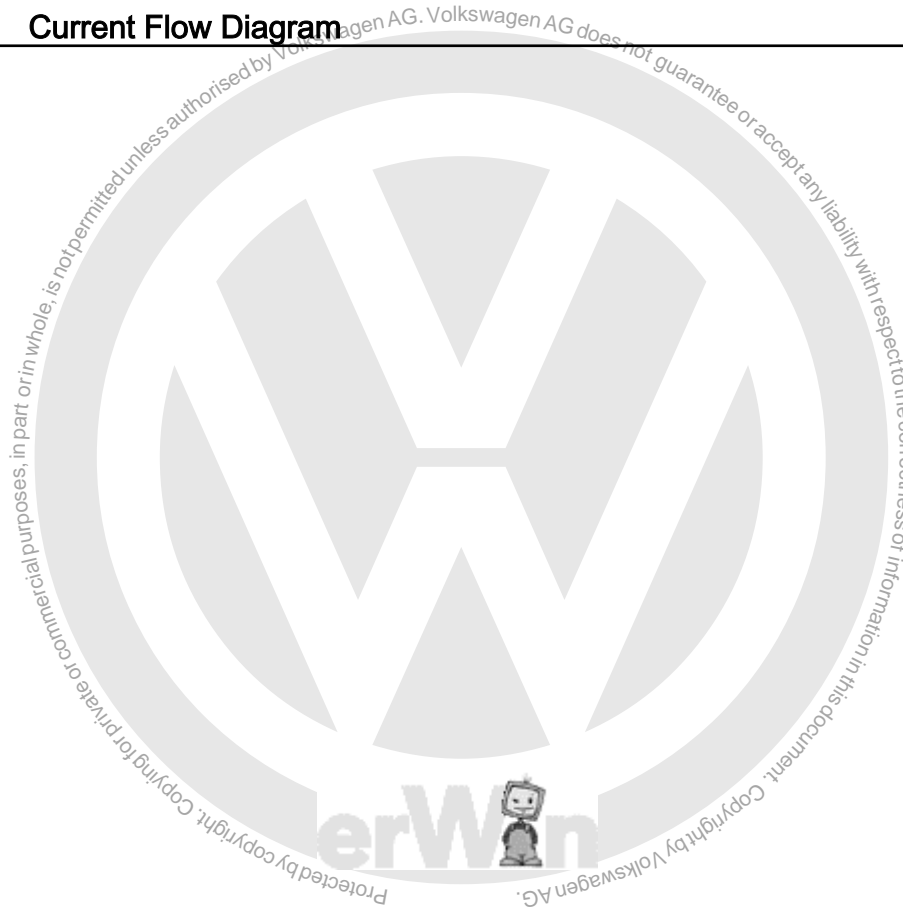
- T10a 10-pin connector, black
- T10b 10-pin connector, black
- T10w 10-pin connector, black
- T10x 10-pin connector, black
- TSVL Coupling point for front left seat
- TSVR Coupling point for front right seat
- * Up to November 2016
- *2 Cross section depends on equipment



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Seat heating , (L0R),(Q4Q)

From February 2016

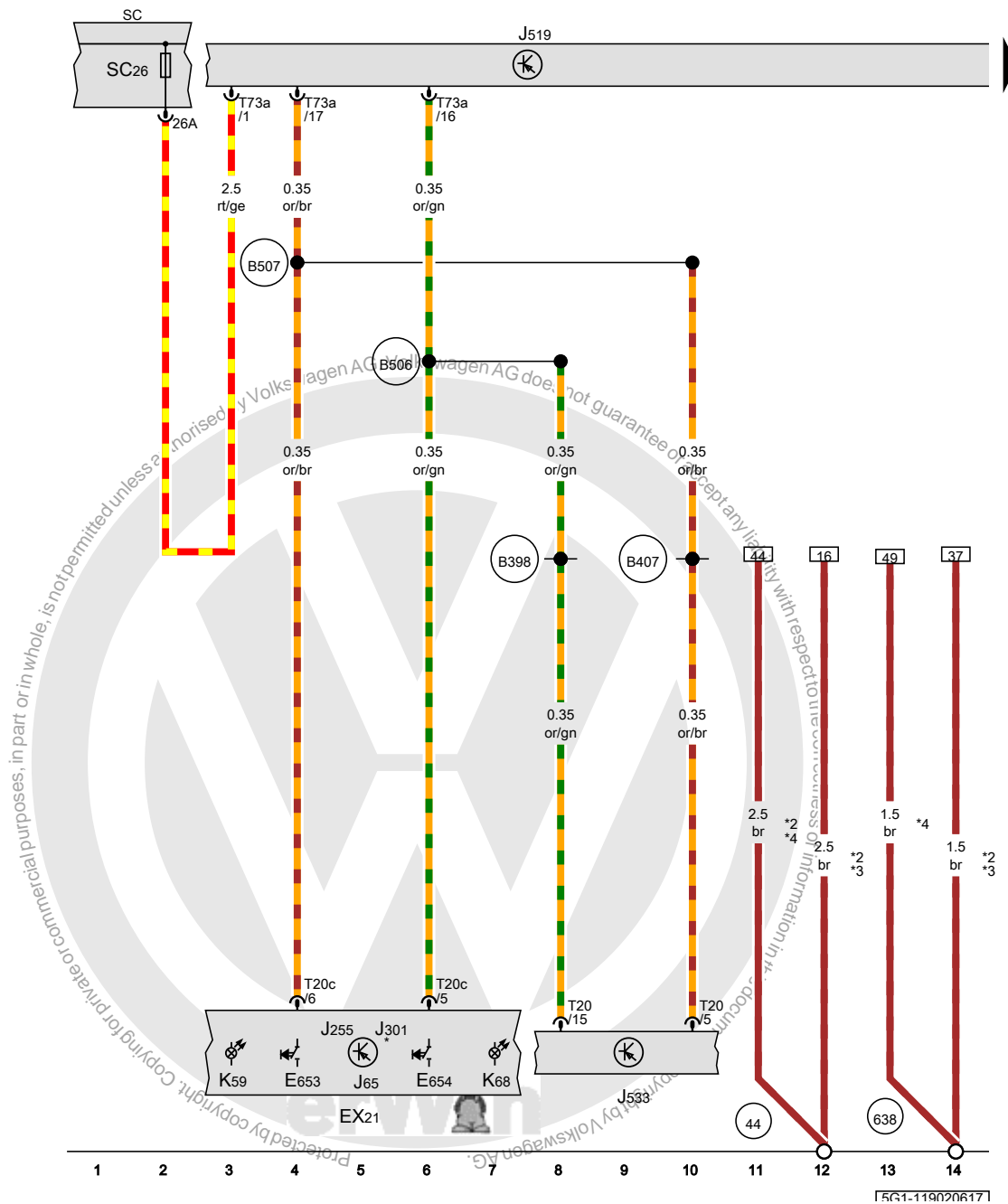


Heater and air conditioning controls, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C

- EX21 Heater and air conditioning controls
- E653 Button for left seat heating
- E654 Button for right seat heating
- J65 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K59 Heated driver seat warning lamp
- K68 Heated front passenger seat warning lamp
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T73a 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 638 Earth point, on right A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- * According to equipment
- *2 Cross section depends on equipment
- *3 From November 2016
- *4 Up to November 2016

ws = white
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Front left seat temperature sender, Onboard supply control unit, Heated backrest for front passenger seat, Seat heating (front passenger side)

G344 Front left seat temperature sender

J519 Onboard supply control unit

T2e 2-pin connector, black

T4m 4-pin connector, black

T17t 17-pin connector, red

T17u 17-pin connector, red

T73a 73-pin connector, black

T73c 73-pin connector, black

TSVL Coupling point for front left seat

Z8 Heated seat cushion for front passenger seat

Z9 Heated backrest for front passenger seat

ZX16 Seat heating (front passenger side)

96 Earth connection 1, in seat heating wiring harness

151 Earth connection 1, in front wiring harness

O1 Positive connection (30), in seat heating wiring harness

* According to equipment

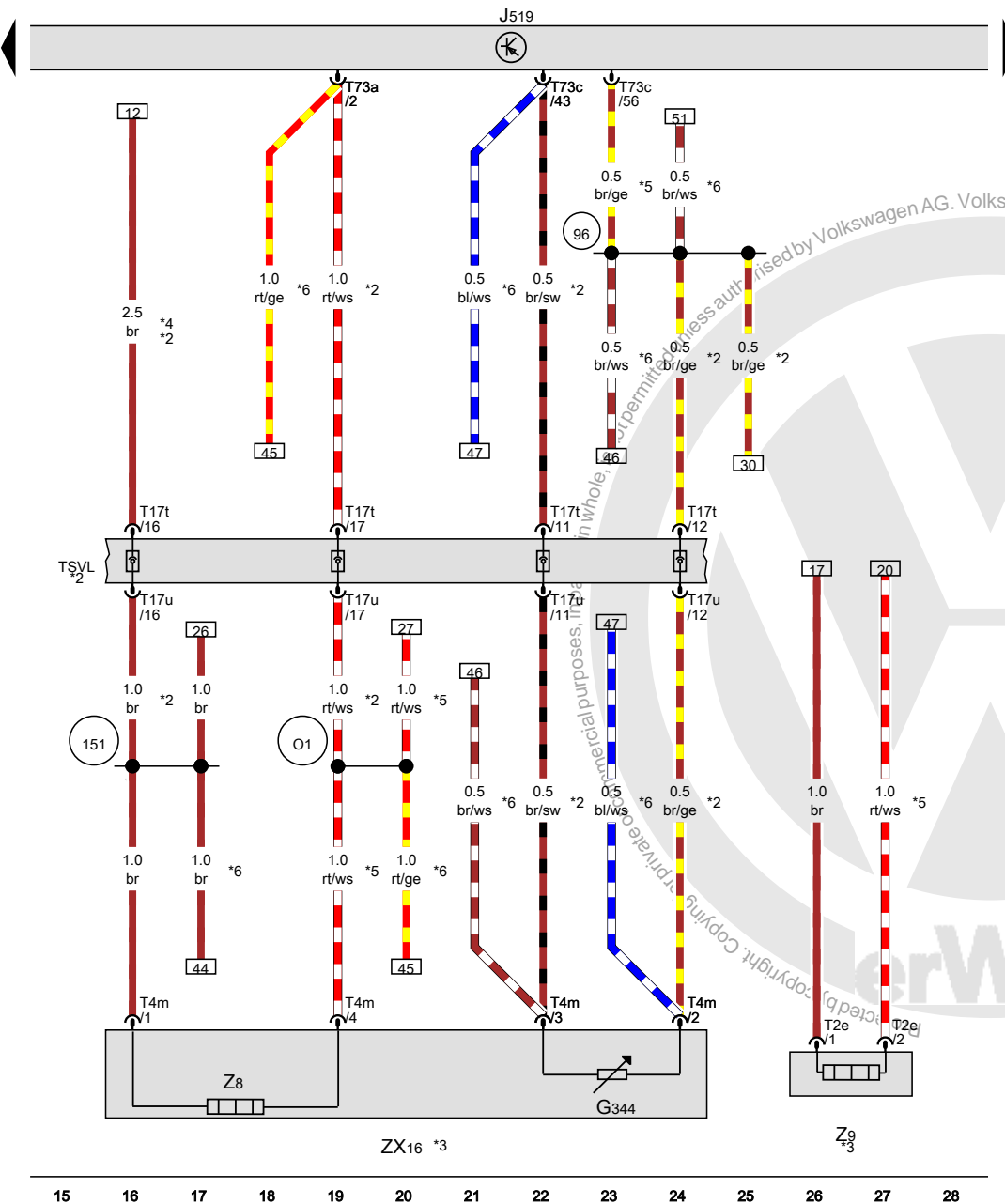
*2 From November 2016

*3 Pre-wired component

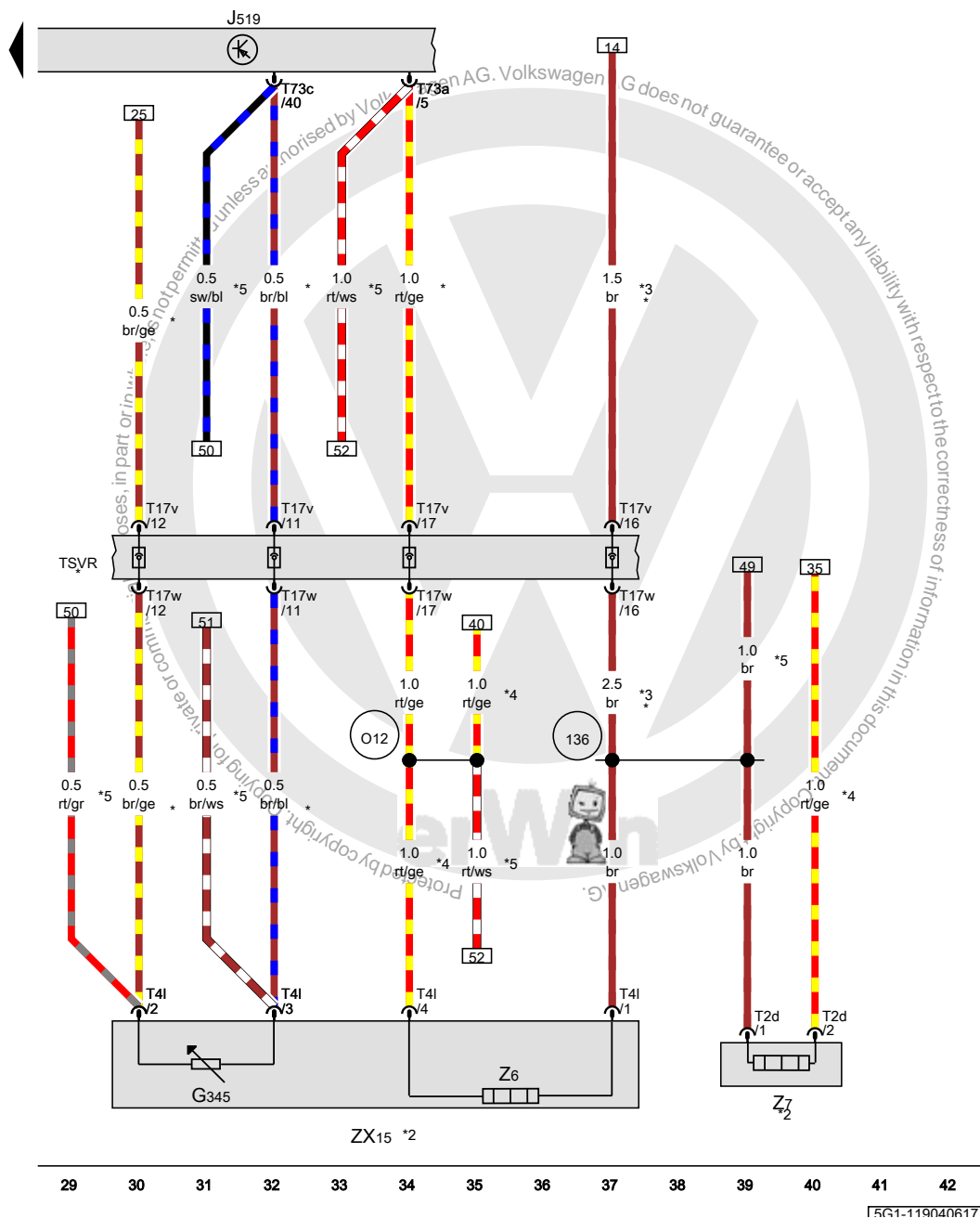
*4 Cross section depends on equipment

*5 Different wire colour possible

*6 Up to November 2016



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Front right seat temperature sender, Onboard supply control unit, Heated backrest for driver seat, Seat heating (driver side)

- G345 Front right seat temperature sender
- J519 Onboard supply control unit
- T2d 2-pin connector, black
- T4l 4-pin connector, black
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TSVR Coupling point for front right seat
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- ZX15 Seat heating (driver side)

136 Earth connection 2, in seat heating wiring harness

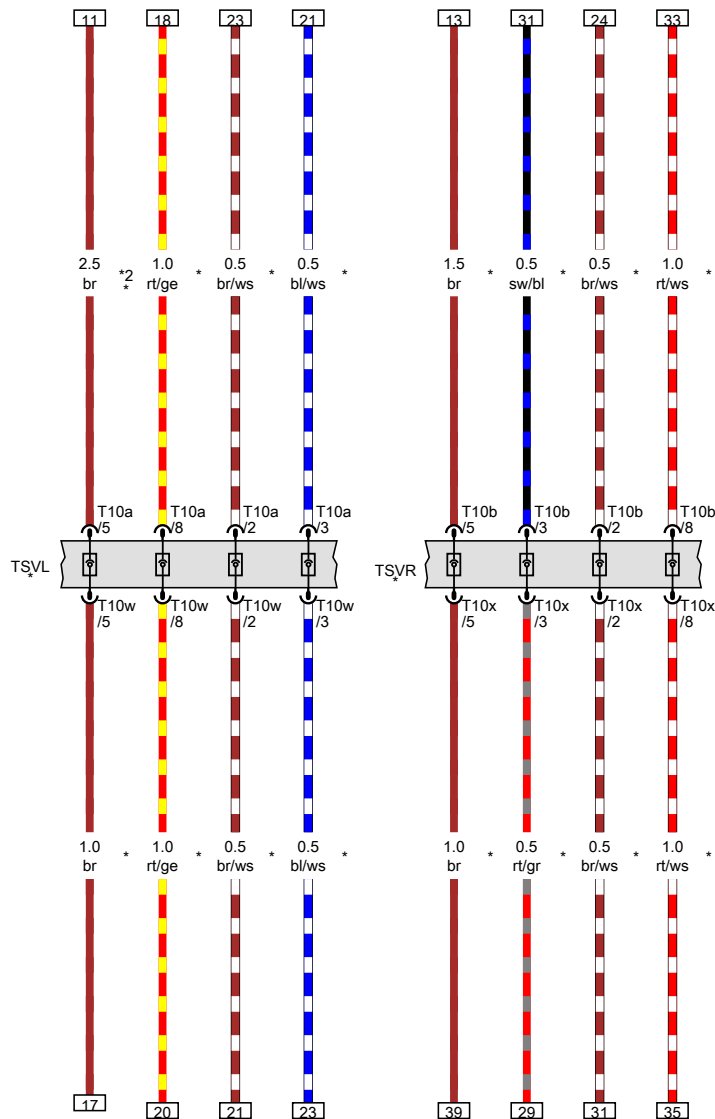
O12 Connection 1, in seat heating wiring harness

- * From November 2016
- *2 Pre-wired component
- *3 Cross section depends on equipment
- *4 Different wire colour possible
- *5 Up to November 2016

ws = white
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Coupling point for front left seat, Coupling point for front right seat

- T10a 10-pin connector, black
- T10b 10-pin connector, black
- T10w 10-pin connector, black
- T10x 10-pin connector, black
- TSVL Coupling point for front left seat
- TSVR Coupling point for front right seat
- * Up to November 2016
- *2 Cross section depends on equipment

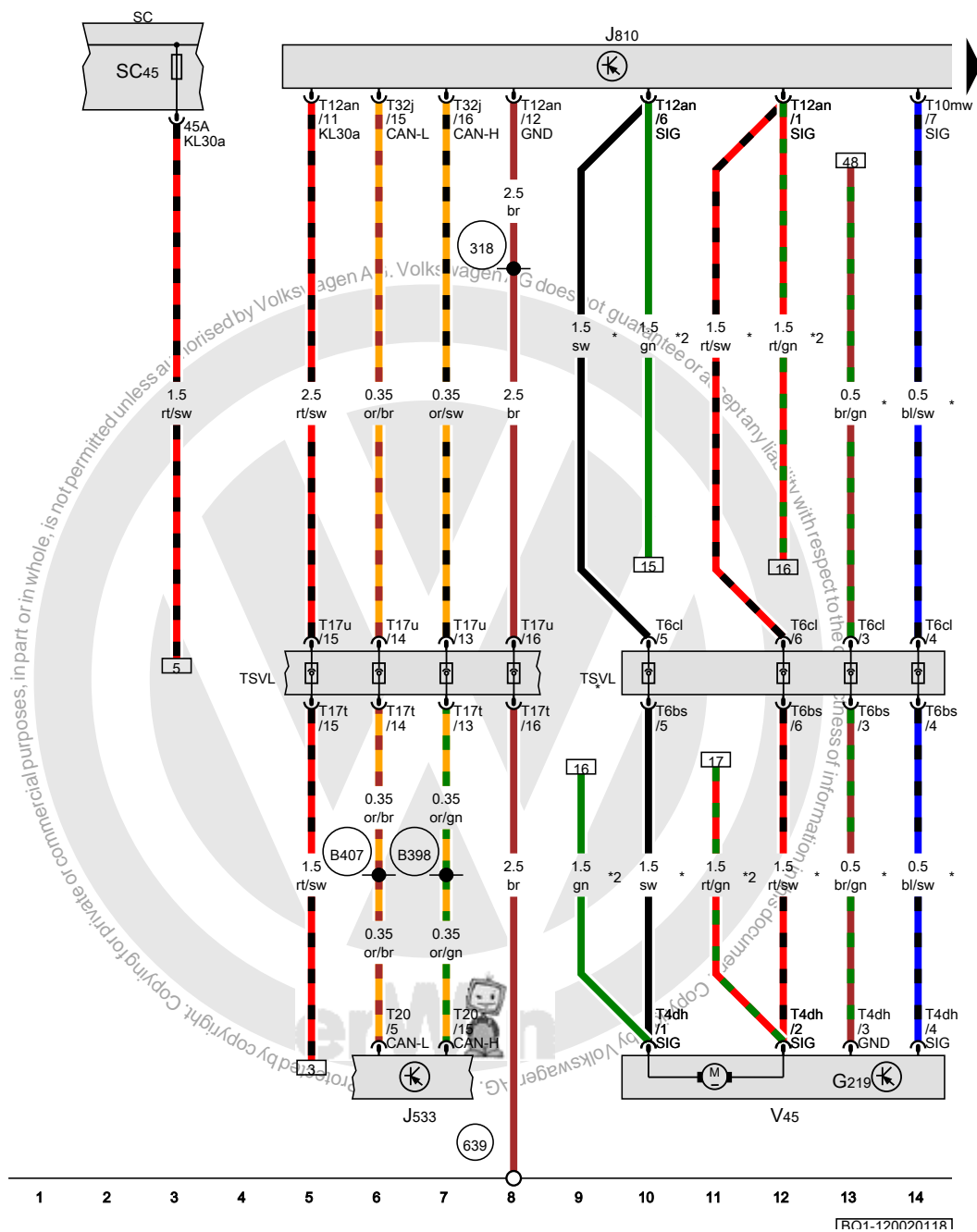


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Electric seat adjustment with memory function , (3PH),(L0L)

From November 2016

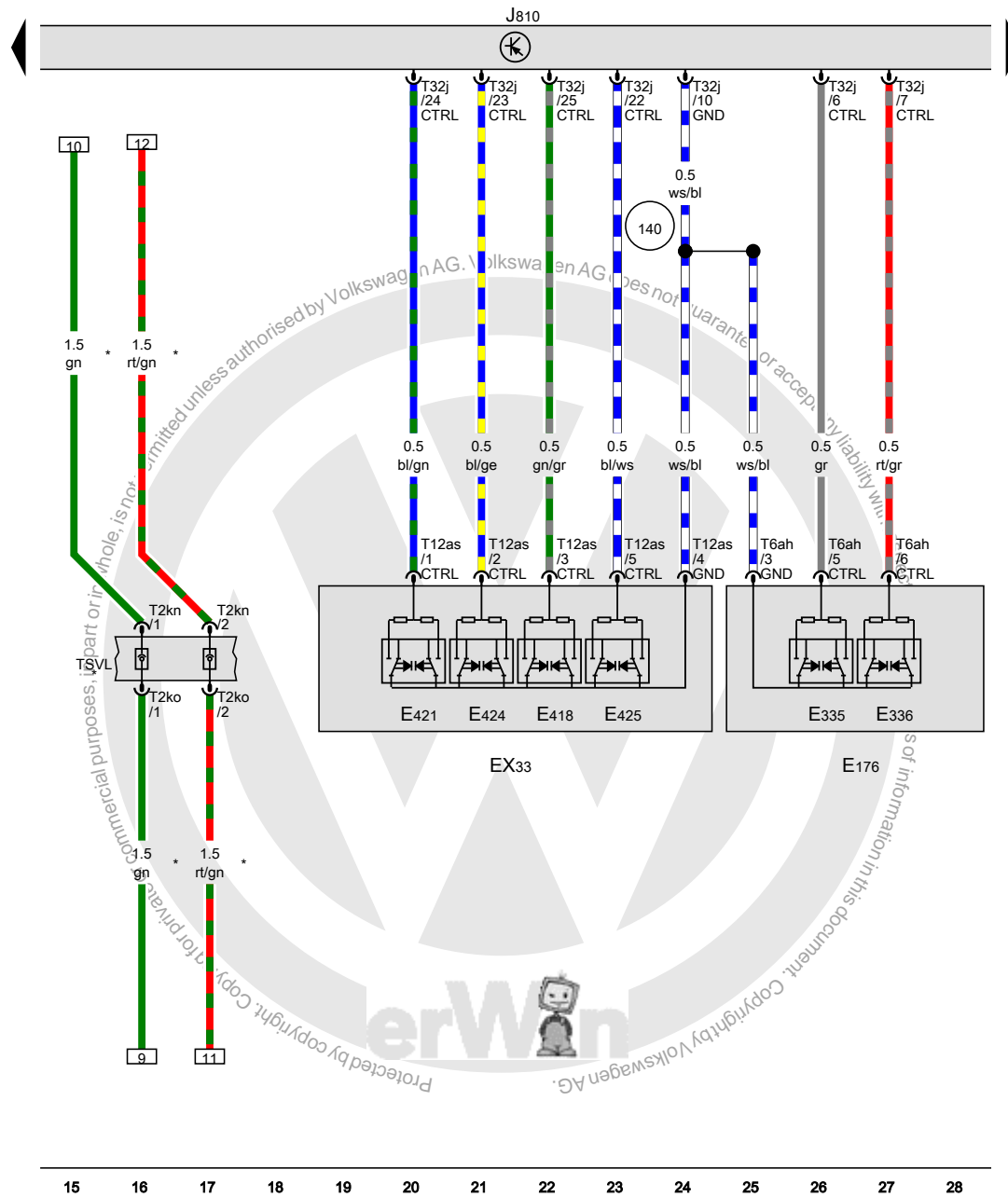




Data bus diagnostic interface, Driver seat adjustment control unit, Fuse holder C, Driver seat backrest adjustment motor

- G219 Backrest adjustment sender for driver seat
- J533 Data bus diagnostic interface
- J810 Driver seat adjustment control unit
- SC Fuse holder C
- SC45 Fuse 45 on fuse holder C
- T4dh 4-pin connector, black
- T6bs 6-pin connector, black
- T6cl 6-pin connector, black
- T10mw 10-pin connector, black
- T12an 12-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T20 20-pin connector, red
- T32j 32-pin connector, grey
- TSVL Coupling point for front left seat
- V45 Driver seat backrest adjustment motor

- 318 Earth connection 4, in seat heating wiring harness
- 639 Earth point, left A-pillar
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- * Not for American markets
- *2 For American markets

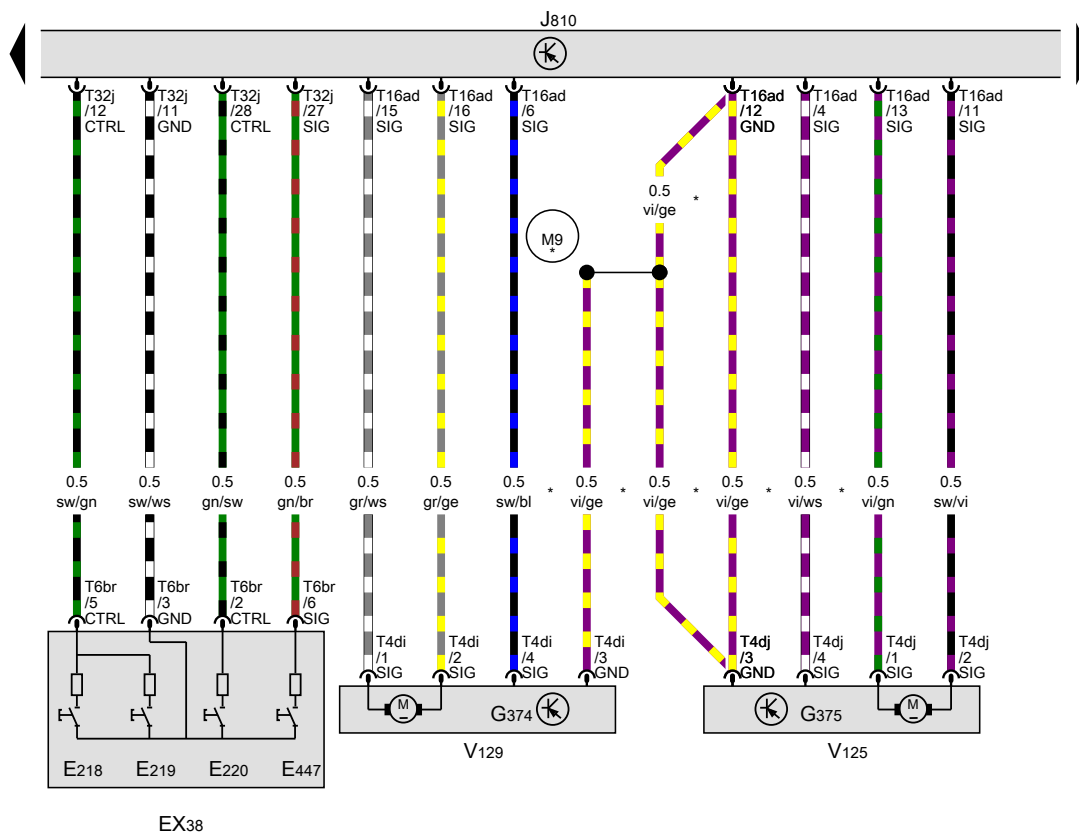


Operating unit for front left seat adjustment, Driver seat lumbar support adjustment switch, Driver seat adjustment control unit

- EX33 Operating unit for front left seat adjustment
- E176 Driver seat lumbar support adjustment switch
- E335 Lumbar support height adjustment button
- E336 Lumbar support longitudinal adjustment button
- E418 Seat longitudinal adjustment button
- E421 Rake adjustment button
- E424 Seat height adjustment button
- E425 Backrest adjustment button
- J810 Driver seat adjustment control unit
- T2kn 2-pin connector, black
- T2ko 2-pin connector, black
- T6ah 6-pin connector, black
- T12as 12-pin connector, black
- T32j 32-pin connector, grey
- TSVL Coupling point for front left seat

140 Earth connection 2, in seat adjustment wiring harness

* For American markets



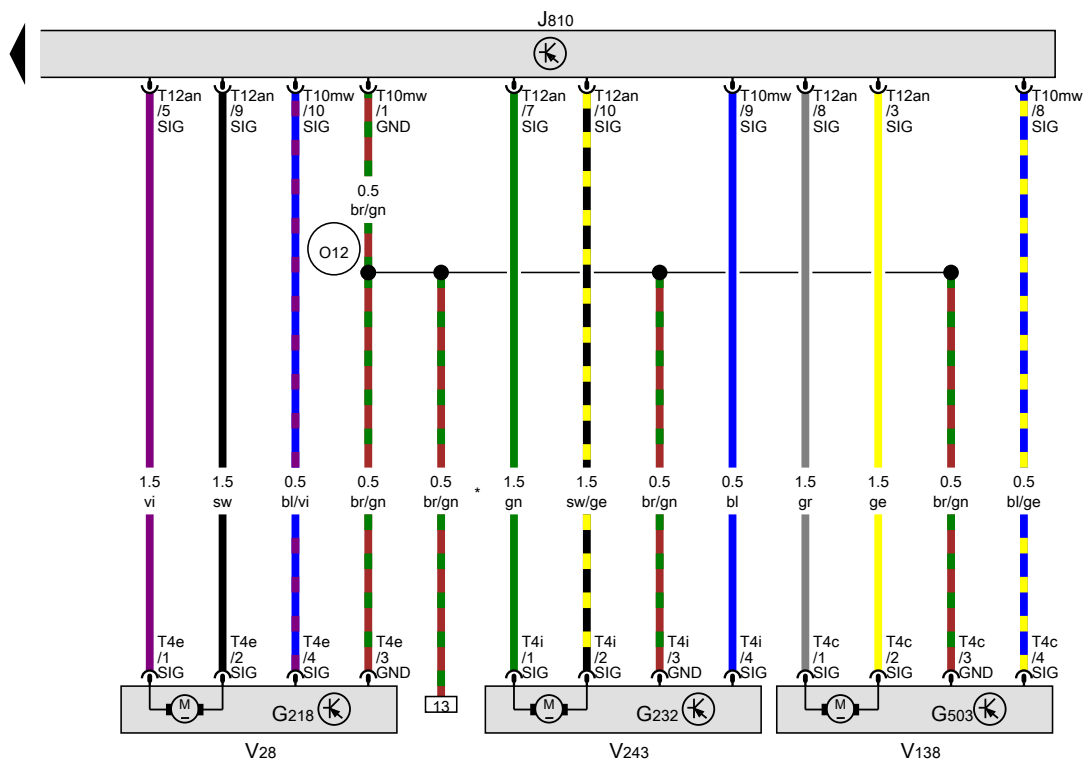
Operating unit 2 for front left seat adjustment, Driver seat adjustment control unit, Driver seat lumbar support longitudinal adjustment motor, Driver seat lumbar support height adjustment motor

- EX38 Operating unit 2 for front left seat adjustment
- E218 Seat memory position button 1
- E219 Seat memory position button 2
- E220 Seat memory position button 3
- E447 Seat position memory button
- G374 Lumbar support height adjustment sender
- G375 Lumbar support longitudinal adjustment sender
- J810 Driver seat adjustment control unit
- T4di 4-pin connector, black
- T4dj 4-pin connector, black
- T6br 6-pin connector, black
- T16ad 16-pin connector, black
- T32j 32-pin connector, grey
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor

M9 Connection, in seat adjustment wiring harness

* According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Driver seat adjustment control unit, Driver seat longitudinal adjustment motor, Driver seat height adjustment motor, Driver seat rake adjustment motor

- G218 Longitudinal adjustment sender for driver seat
- G232 Rake adjustment sender for driver seat
- G503 Seat height adjustment sender
- J810 Driver seat adjustment control unit
- T4c 4-pin connector, black
- T4e 4-pin connector, black
- T4i 4-pin connector, black
- T10mw 10-pin connector, black
- T12an 12-pin connector, black
- V28 Driver seat longitudinal adjustment motor
- V138 Driver seat height adjustment motor
- V243 Driver seat rake adjustment motor

O12 Connection 1, in seat heating wiring harness

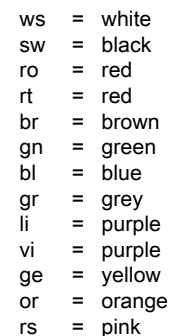
* Not for American markets

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- gr = grey
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Electric seat adjustment with memory function , (3PJ),(L0R)

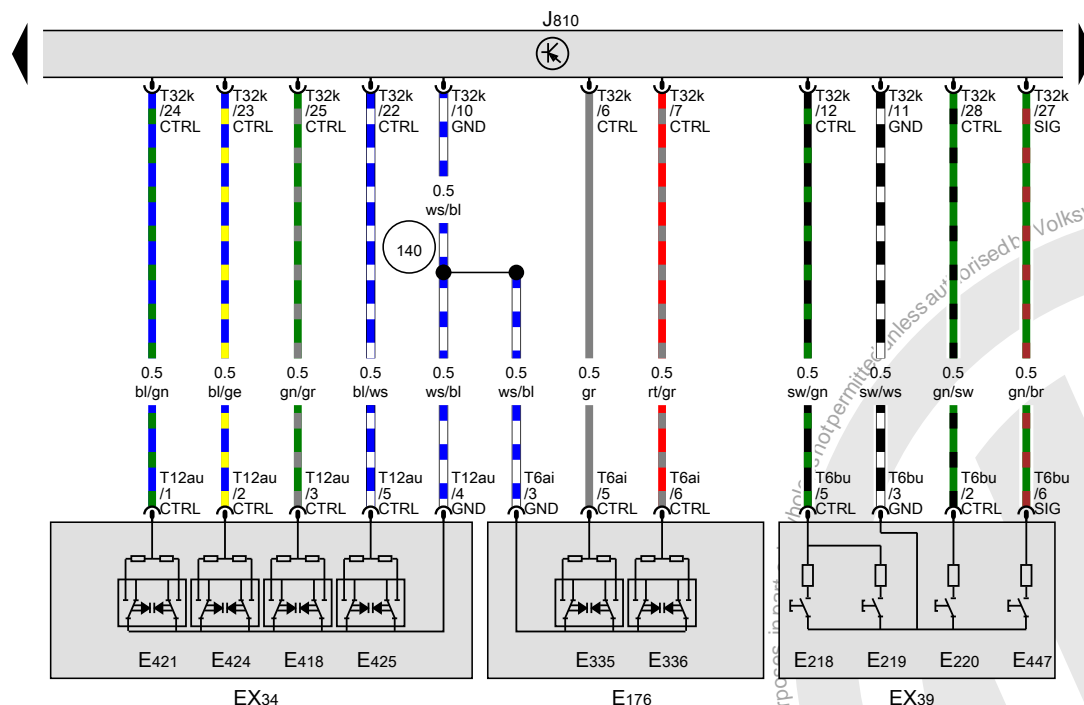
From November 2016





136	Earth connection 2, in seat heating wiring harness
638	Earth point, on right A-pillar
B398	Connection 2 (convenience CAN bus, high), in main wiring harness
B407	Connection 2 (convenience CAN bus, low), in main wiring harness

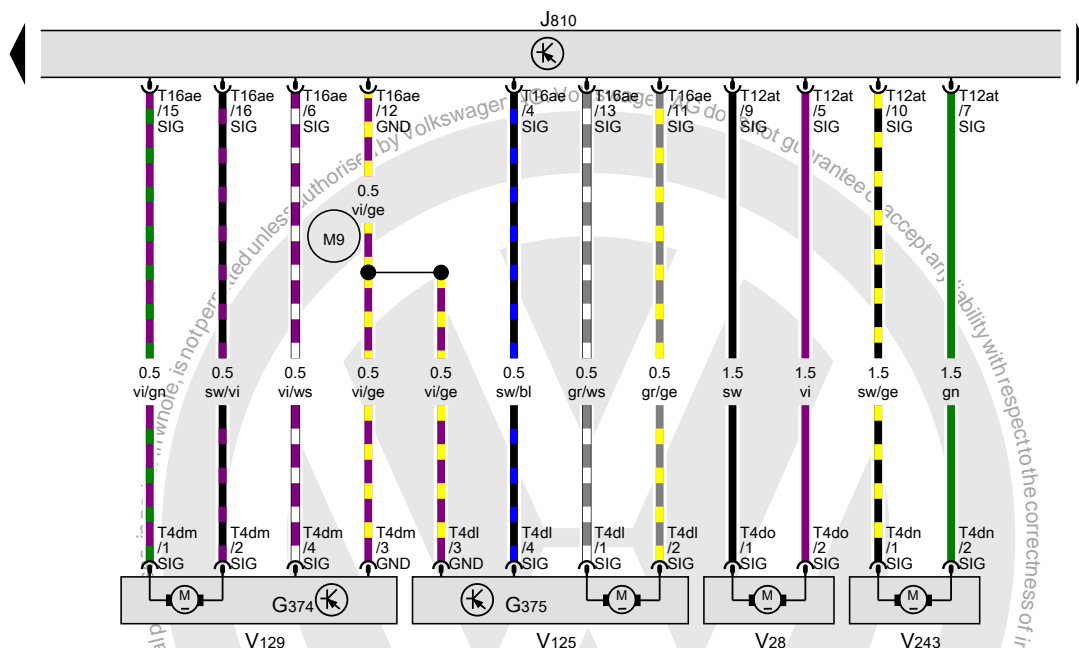
Operating unit for front right seat adjustment, Operating unit 2 for front right seat adjustment, Driver seat lumbar support adjustment switch, Driver seat adjustment control unit



- EX34 Operating unit for front right seat adjustment
- EX39 Operating unit 2 for front right seat adjustment
- E176 Driver seat lumbar support adjustment switch
- E218 Seat memory position button 1
- E219 Seat memory position button 2
- E220 Seat memory position button 3
- E335 Lumbar support height adjustment button
- E336 Lumbar support longitudinal adjustment button
- E418 Seat longitudinal adjustment button
- E421 Rake adjustment button
- E424 Seat height adjustment button
- E425 Backrest adjustment button
- E447 Seat position memory button
- J810 Driver seat adjustment control unit
- T6ai 6-pin connector, black
- T6bu 6-pin connector, black
- T12au 12-pin connector, black
- T32k 32-pin connector, grey

140 Earth connection 2, in seat adjustment wiring harness

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- ro = red
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver seat adjustment control unit, Driver seat longitudinal adjustment motor, Driver seat lumbar support longitudinal adjustment motor, Driver seat lumbar support height adjustment motor, Driver seat rake adjustment motor

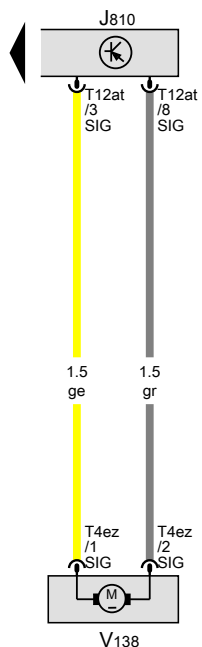
- G374 Lumbar support height adjustment sender
- G375 Lumbar support longitudinal adjustment sender
- J810 Driver seat adjustment control unit
- T4dl 4-pin connector, black
- T4dm 4-pin connector, black
- T4dn 4-pin connector, black
- T4do 4-pin connector, black
- T12at 12-pin connector, black
- T16ae 16-pin connector, black
- V28 Driver seat longitudinal adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V243 Driver seat rake adjustment motor

M9 Connection, in seat adjustment wiring harness

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver seat adjustment control unit, Driver seat height adjustment motor

- J810 Driver seat adjustment control unit
- T4ez 4-pin connector, black
- T12at 12-pin connector, black
- V138 Driver seat height adjustment motor



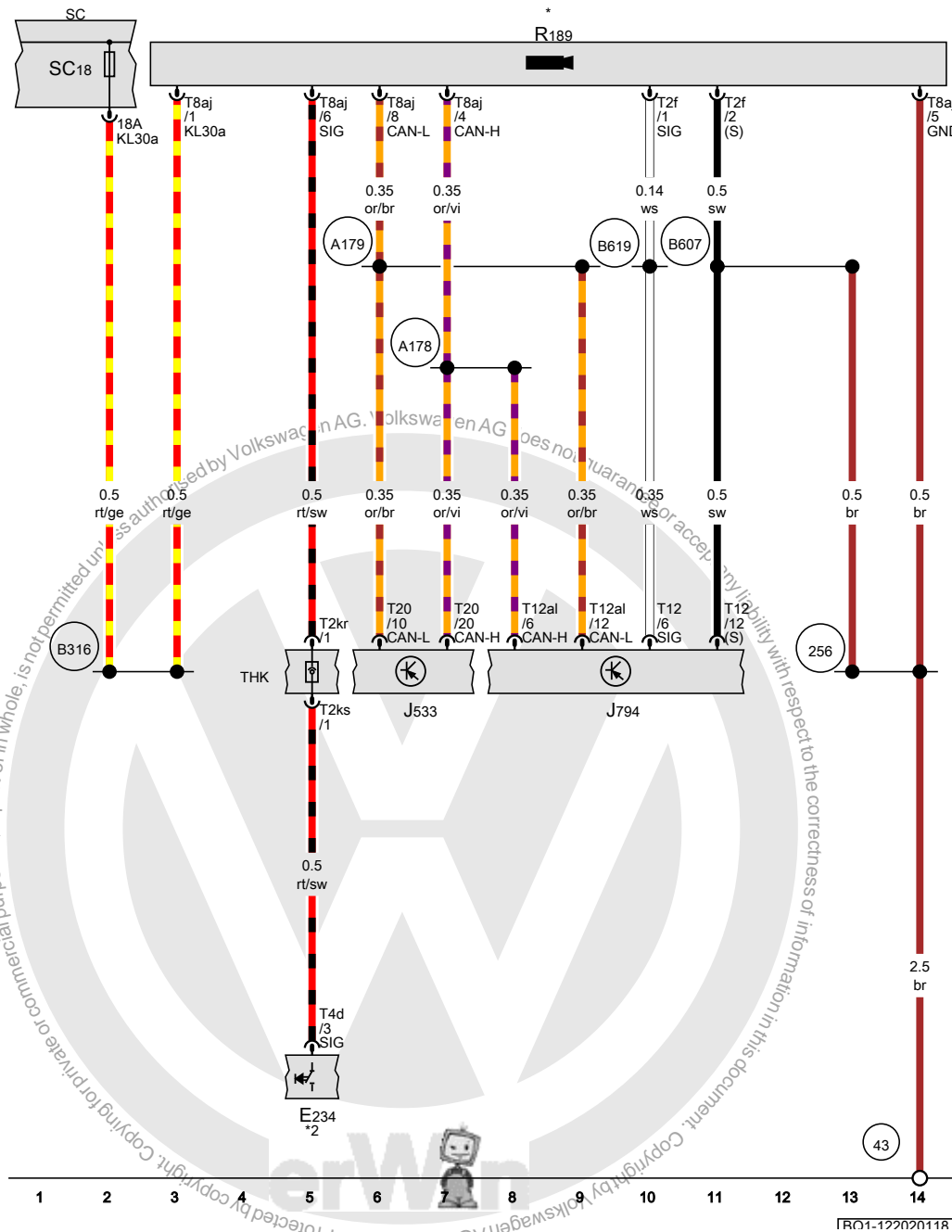
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Reversing camera (Rear Assist) , (KA2)

From November 2016



Rear lid handle release button, Data bus diagnostic interface, Control unit 1 for information electronics, Reversing camera, Fuse holder C



- E234 Rear lid handle release button
- J533 Data bus diagnostic interface
- J794 Control unit 1 for information electronics
- R189 Reversing camera
- SC Fuse holder C
- SC18 Fuse 18 on fuse holder C
- T2f 2-pin connector, grey
- T2kr 2-pin connector, black
- T2ks 2-pin connector, black
- T4d 4-pin connector, black
- T8aj 8-pin connector, black
- T12 12-pin connector, blue
- T12al 12-pin connector, grey
- T20 20-pin connector, red
- THK Coupling point for rear lid

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B316 Positive connection 2 (30a) in main wiring harness
- B607 Connection 3, in interior wiring harness
- B619 Connection (parking aid), in interior wiring harness

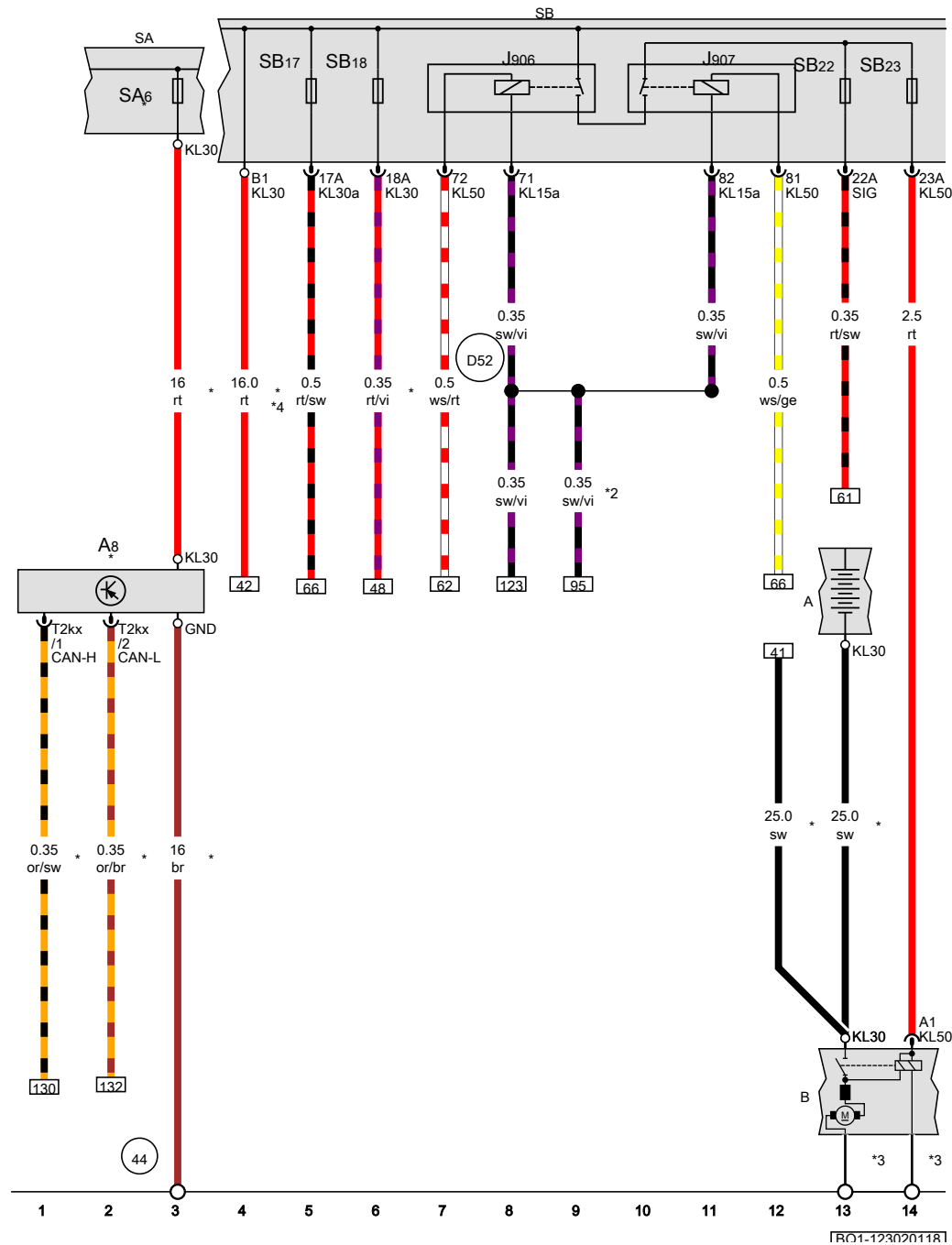
- * Pre-wired component
- *2 see applicable current flow diagram for convenience system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
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1.5l petrol engine , DACA,DADA

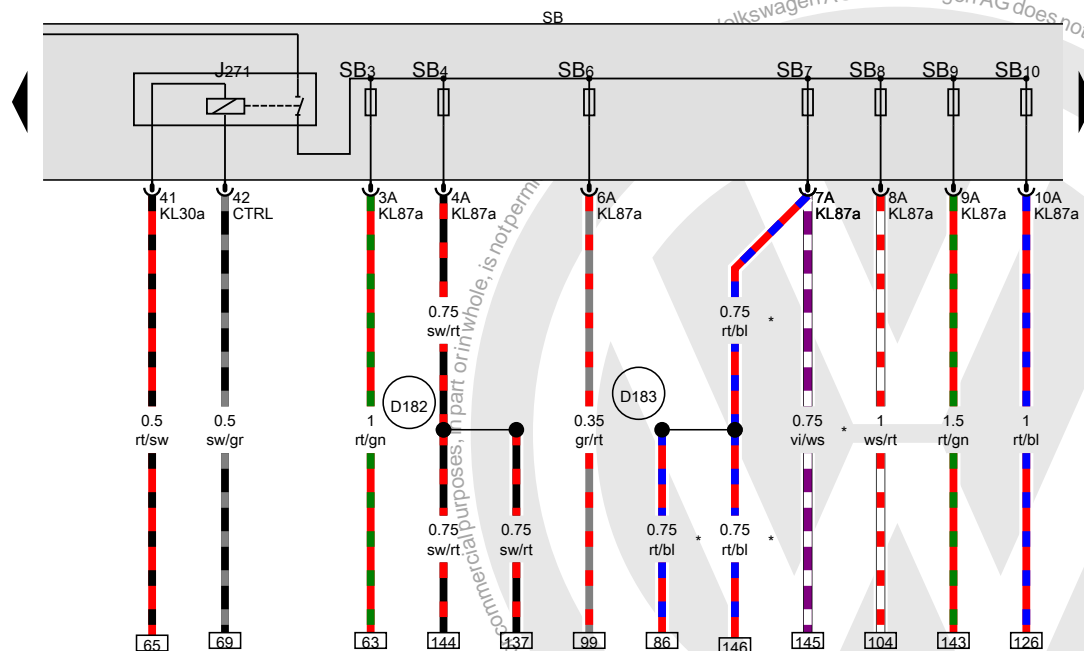
From November 2016





Battery, Additional battery for coasting function, Starter, Starter relay 1, Starter relay 2, Fuse holder A, Fuse holder B

- A Battery
- A8 Additional battery for coasting function, under seat on front left
- B Starter
- J906 Starter relay 1
- J907 Starter relay 2
- SA Fuse holder A
- SA6 Fuse 6 on fuse holder A
- SB Fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2kx 2-pin connector, black
- 44 Earth point, lower part of left A-pillar
- D52 Positive connection (15a), in engine compartment wiring harness
- * According to equipment
- *2 For models with manual gearbox
- *3 Earth supply via housing
- *4 see applicable current flow diagram for fuse assignment



Main relay, Fuse holder B

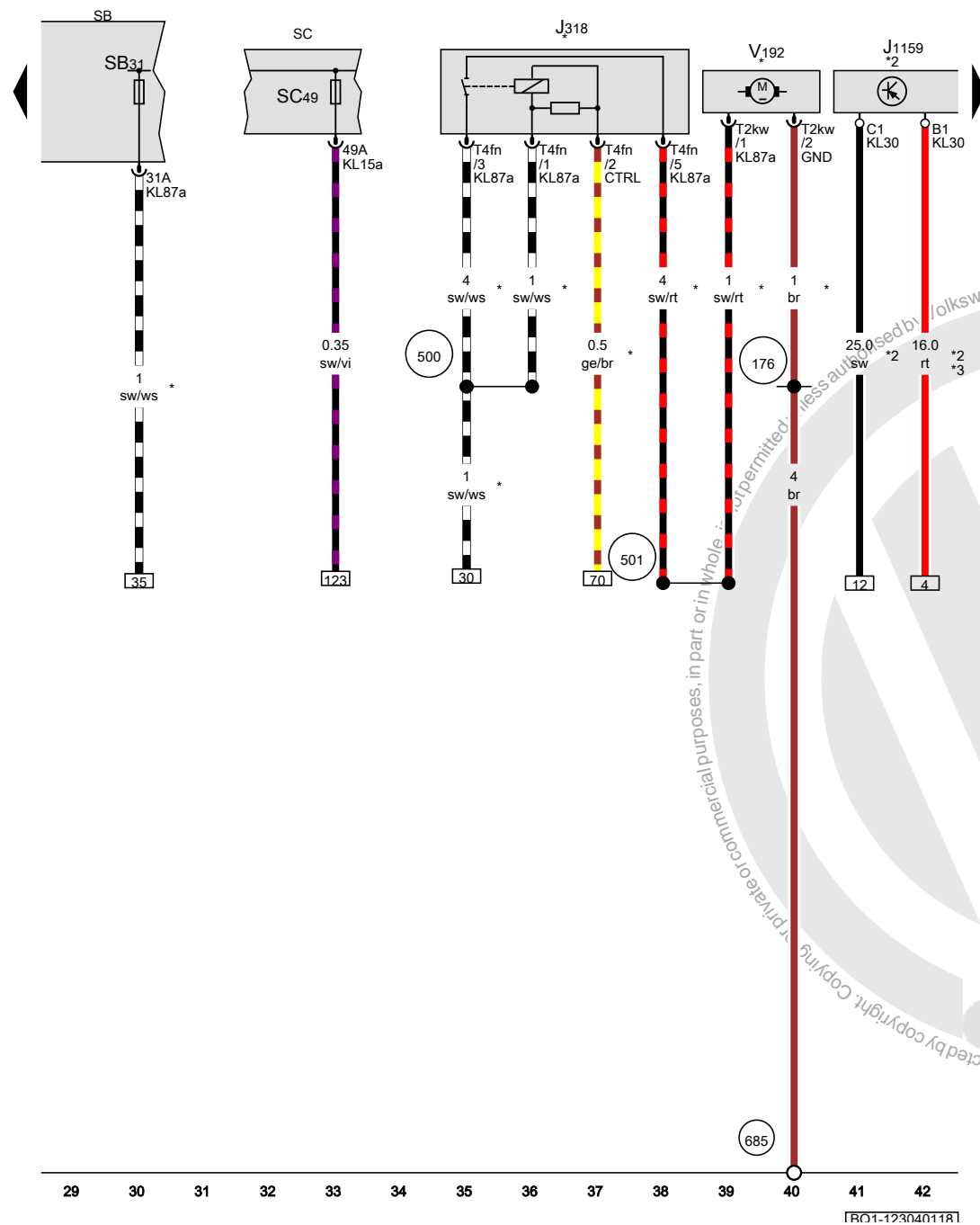
- J271 Main relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B

D182 Connection 3 (87a), in engine compartment wiring harness

D183 Connection 4 (87a), in engine compartment wiring harness

* According to equipment

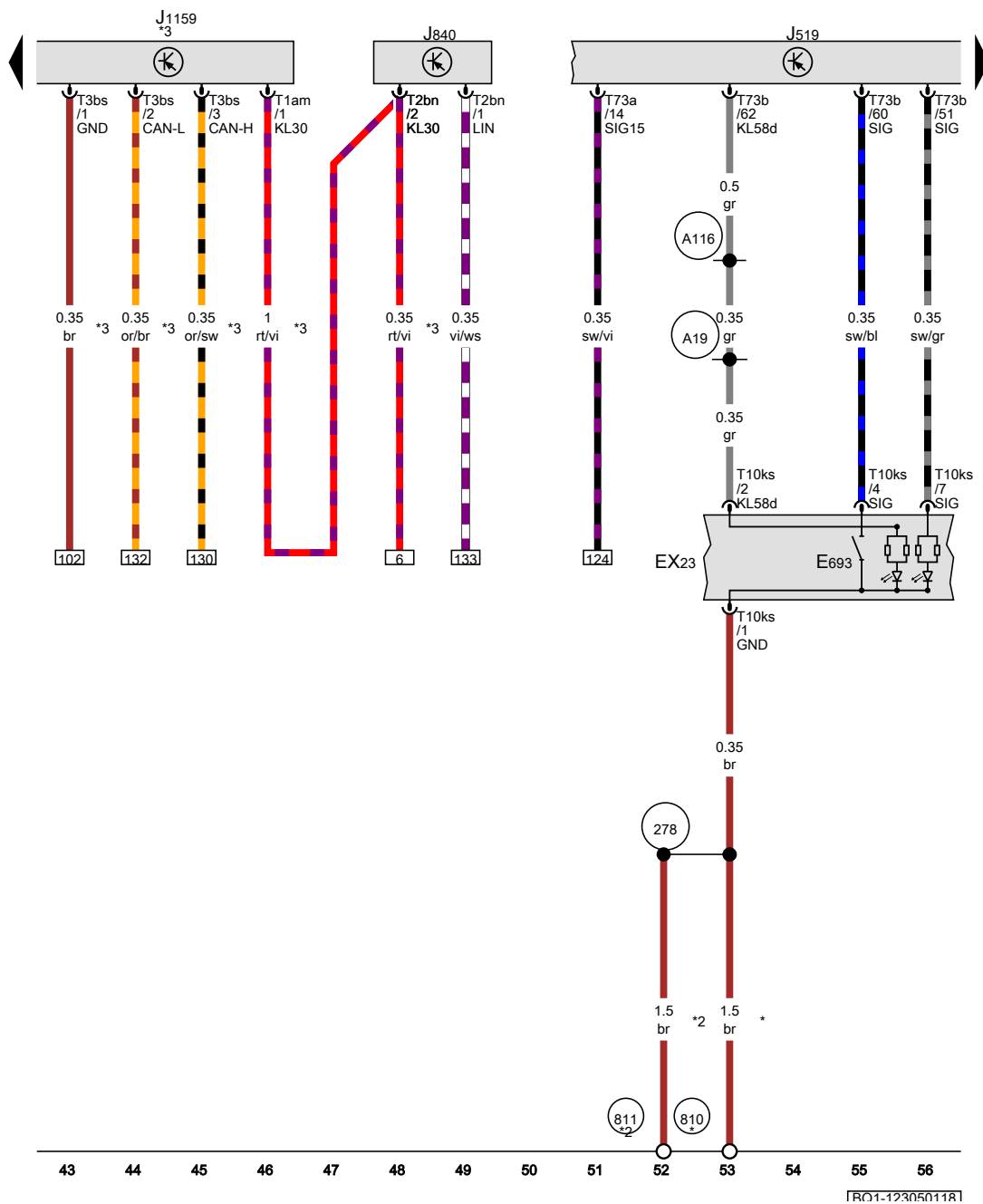
- ws = white
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Vacuum pump relay, Protective diode for onboard supply for coasting function, Fuse holder B, Fuse holder C, Vacuum pump for brakes

- J318 Vacuum pump relay
- J1159 Protective diode for onboard supply for coasting function
- SB Fuse holder B
- SB31 Fuse 31 on fuse holder B
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T2kw 2-pin connector, black
- T4fn 4-pin connector, black
- V192 Vacuum pump for brakes
- 176 Earth connection, in right headlight wiring harness
- 500 Threaded connection 1 (30), on relay plate
- 501 Threaded connection 2 (30), on relay plate
- 685 Earth point 1, on front of right longitudinal member
- * For models with equipment for Japan
- *2 According to equipment
- *3 see applicable current flow diagram for fuse assignment

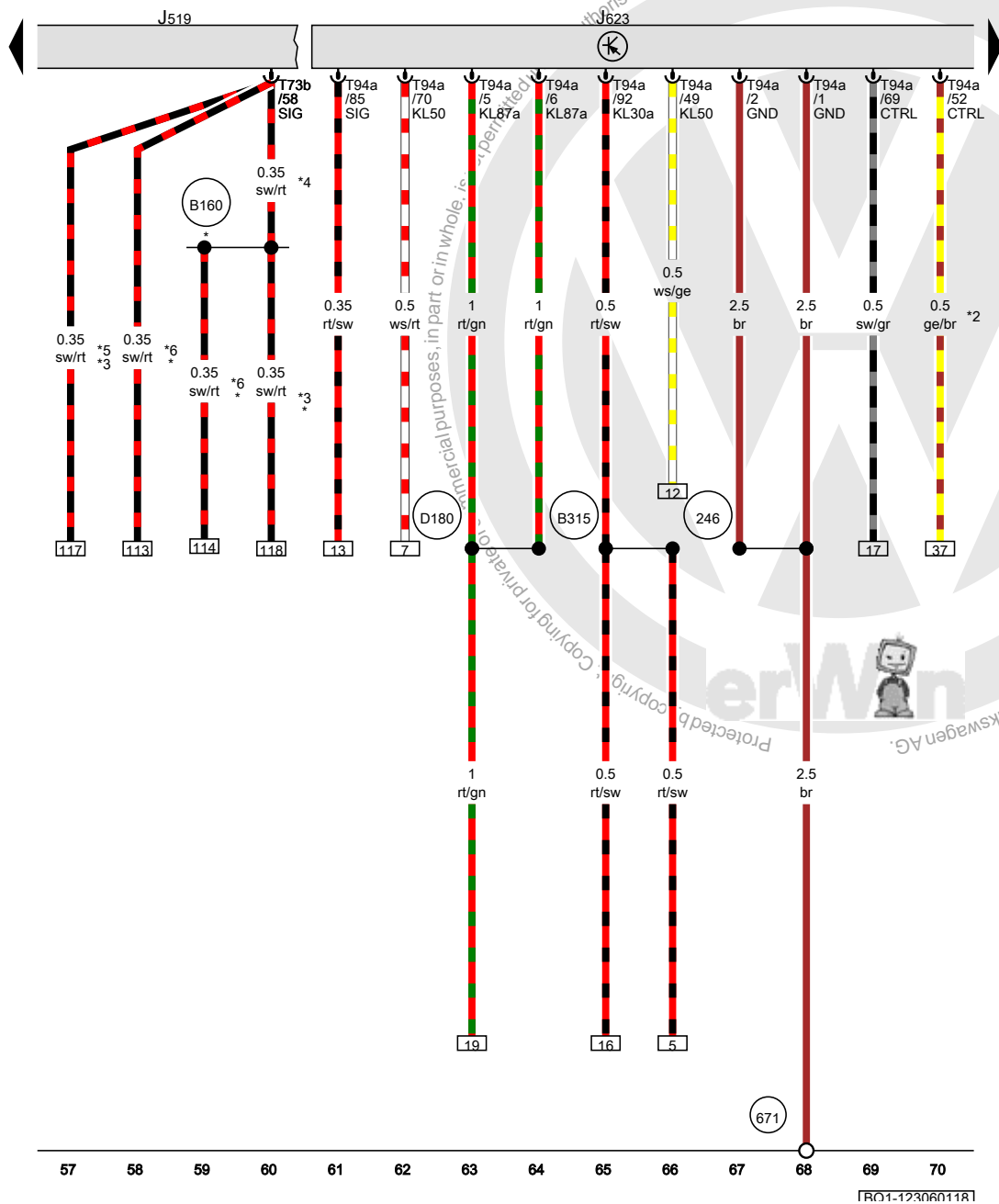
ws = white
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Switch module 1 in centre console, Onboard supply control unit, Battery regulation control unit, Protective diode for onboard supply for coasting function

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- J519 Onboard supply control unit
- J840 Battery regulation control unit
- J1159 Protective diode for onboard supply for coasting function
- T1am 1-pin connector, black
- T2bn 2-pin connector, black
- T3bs 3-pin connector, yellow
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, black
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * For left-hand drive models
- *2 For right-hand drive models
- *3 According to equipment

ws = white
sw = black
ro = red
rt = red
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gn = green
bl = blue
gr = grey
li = purple
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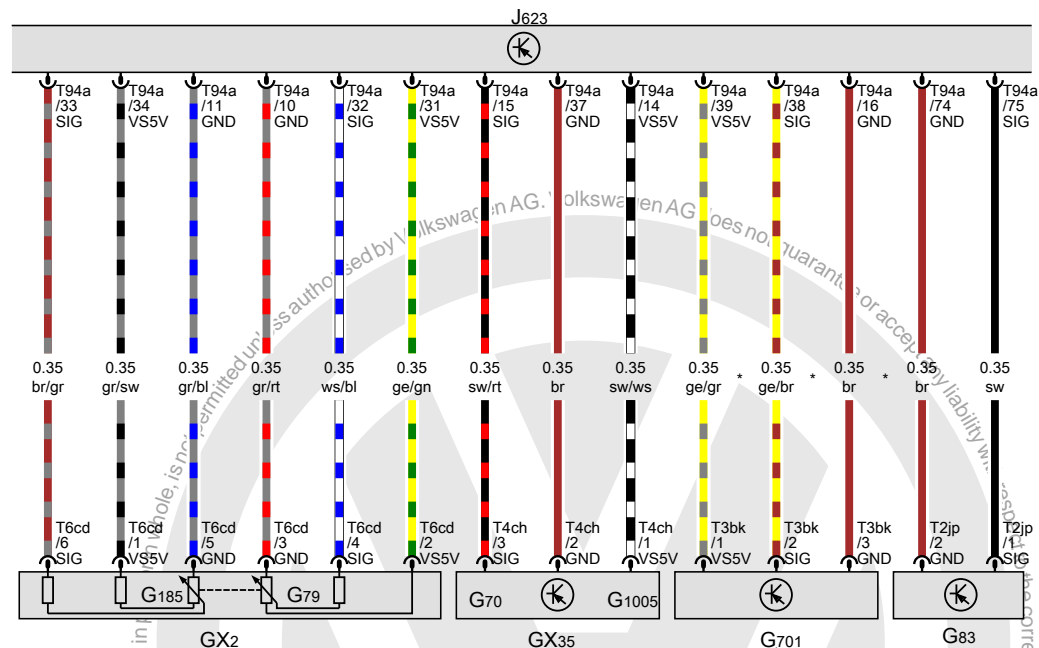


Onboard supply control unit, Engine/motor control unit

J519 Onboard supply control unit
 J623 Engine/motor control unit
 T73b 73-pin connector, black
 T94a 94-pin connector, black

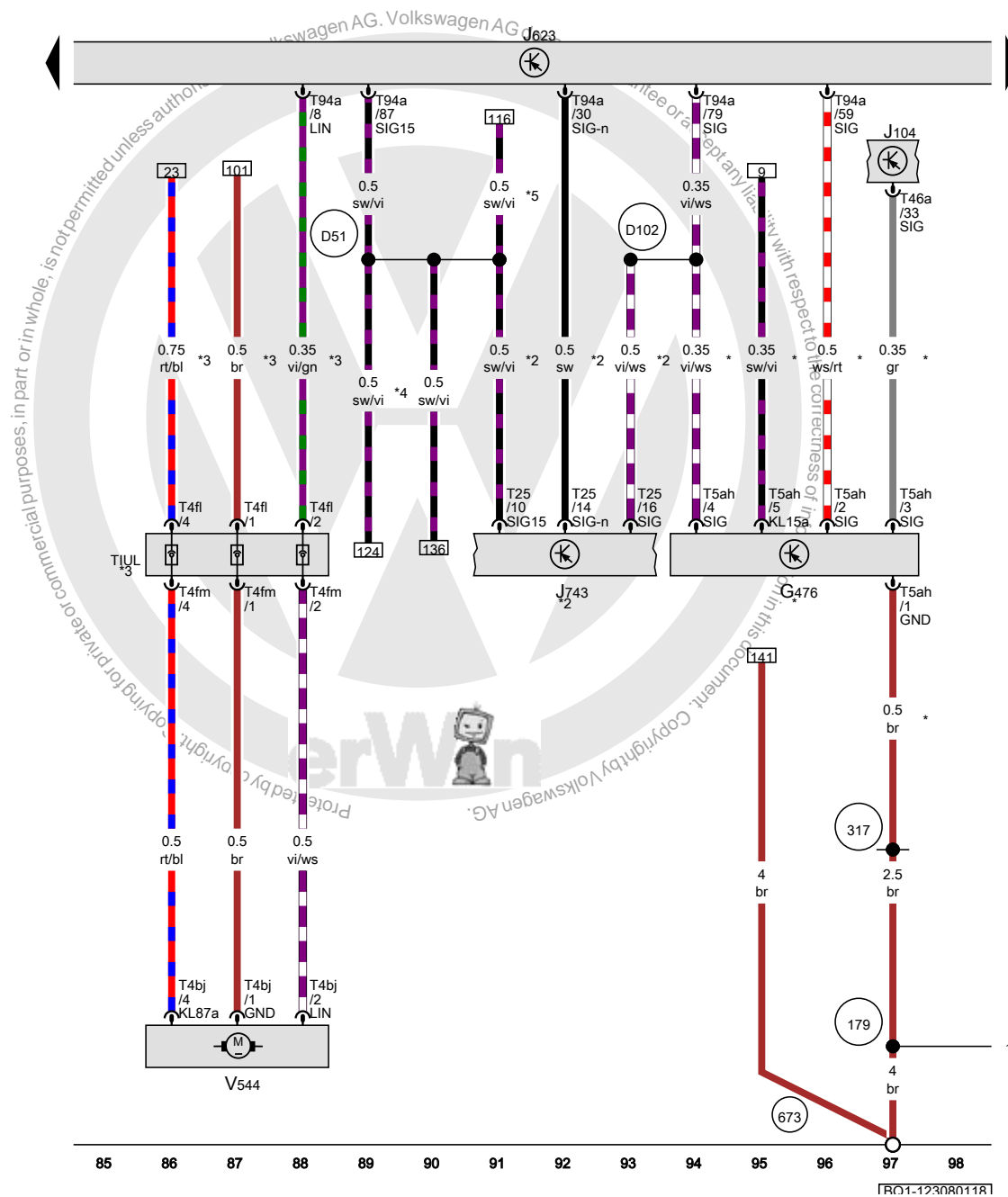
- 246 Earth connection (control unit), in engine wiring harness
- 671 Earth point 1, on front of left longitudinal member
- B160 Connection (brake system monitor), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- * For models with trailer socket
- *2 For models with equipment for Japan
- *3 Up to November 2017
- *4 According to equipment
- *5 For models with no trailer socket
- *6 From November 2017

Accelerator pedal module, Air mass measurement module, Radiator outlet coolant temperature sender, Gearbox neutral position sender, Engine/motor control unit



- GX2 Accelerator pedal module
- GX35 Air mass measurement module
- G70 Air mass meter
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- G701 Gearbox neutral position sender
- G1005 Temperature sender in air mass meter
- J623 Engine/motor control unit
- T2jp 2-pin connector, black
- T3bk 3-pin connector, black
- T4ch 4-pin connector, black
- T6cd 6-pin connector, black
- T94a 94-pin connector, black
- * For models with manual gearbox

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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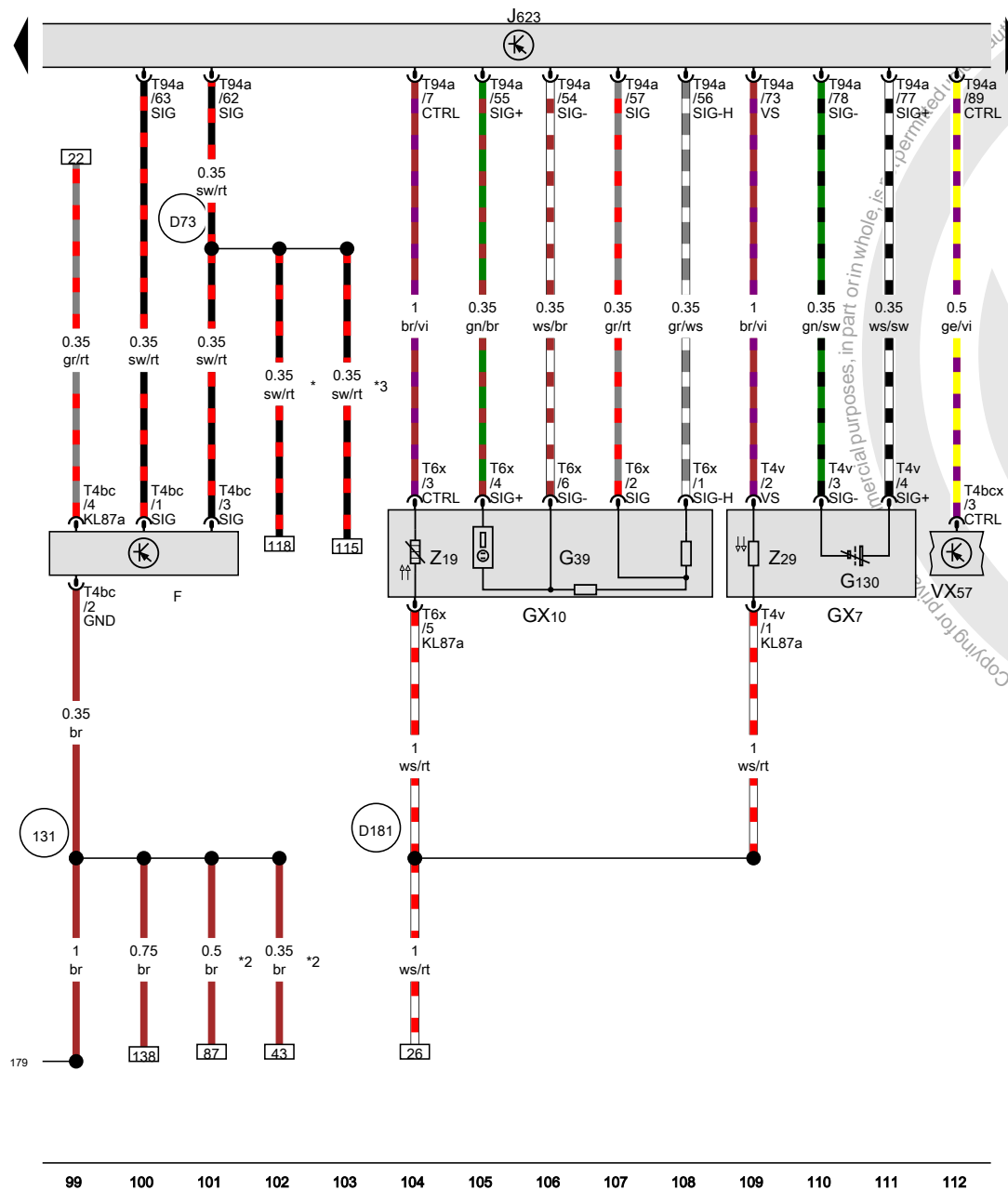


Clutch position sender, Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Radiator blind control motor

- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4bj 4-pin connector, black
- T4fl 4-pin connector, black
- T4fm 4-pin connector, black
- T5ah 5-pin connector, black
- T25 25-pin connector, black
- T46a 46-pin connector, black
- T94a 94-pin connector, black
- TIUL Coupling point in interior, below left
- V544 Radiator blind control motor

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with manual gearbox
- *2 For models with dual clutch gearbox
- *3 According to equipment
- *4 Up to November 2017
- *5 From November 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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 rs = pink



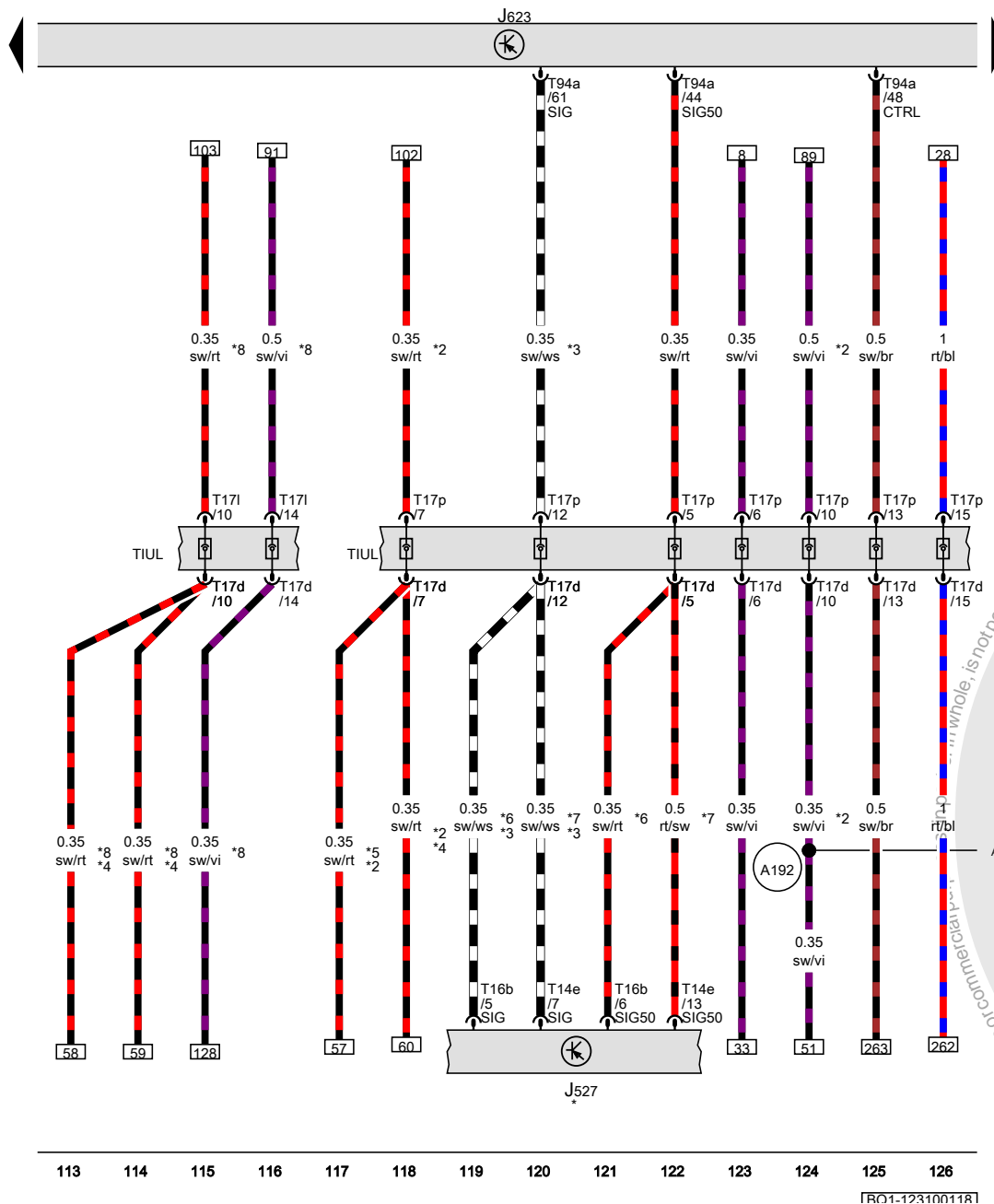
Brake light switch, Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Radiator fan

- F Brake light switch
- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- T4bc 4-pin connector, black
- T4bcx 4-pin connector, black
- T4v 4-pin connector, black
- T6x 6-pin connector, black
- T94a 94-pin connector, black
- VX57 Radiator fan
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness

* Up to November 2017
 *2 According to equipment
 *3 From November 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Steering column electronics control unit, Engine/motor control unit

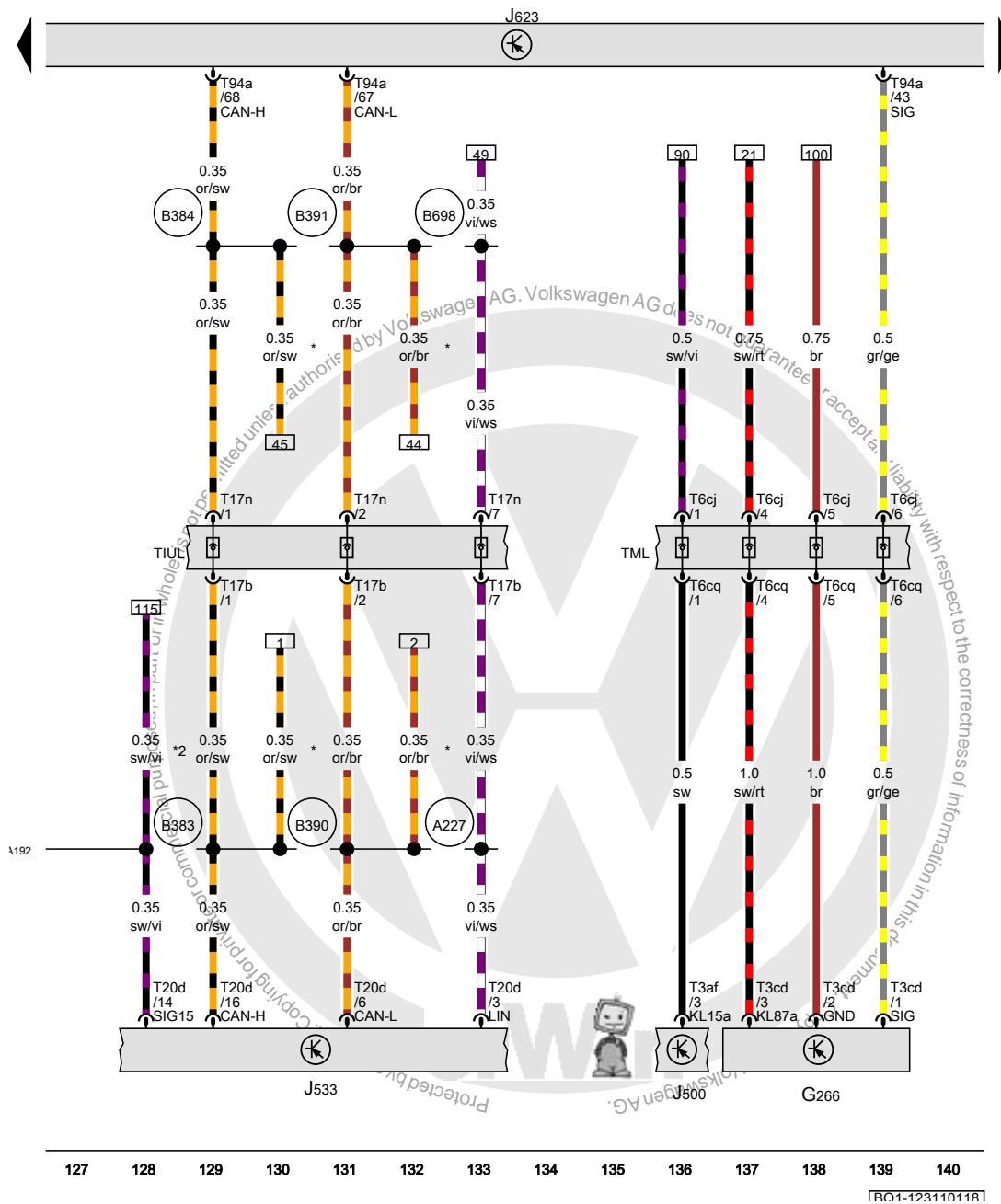


- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T14e 14-pin connector, black
- T16b 16-pin connector, black
- T17d 17-pin connector, blue
- T17i 17-pin connector, black
- T17p 17-pin connector, blue
- T94a 94-pin connector, black
- TIUL Coupling point in interior, below left

A192 Positive connection 3 (15a) in dash panel wiring harness

- * see applicable current flow diagram
- *2 Up to November 2017
- *3 For models with cruise control system (CCS)
- *4 For models with trailer socket
- *5 For models with no trailer socket
- *6 For models with no heated steering wheel
- *7 For models with heated steering wheel
- *8 From November 2017

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- ro = red
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- bl = blue
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- ge = yellow
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- rs = pink



Oil level and oil temperature sender, Power steering control unit, Data bus diagnostic interface, Engine/motor control unit

G266 Oil level and oil temperature sender

J500 Power steering control unit

J533 Data bus diagnostic interface

J623 Engine/motor control unit

T3af 3-pin connector, black

T3cd 3-pin connector, black

T6cj 6-pin connector, black

T6cq 6-pin connector, black

T17b 17-pin connector, brown

T17n 17-pin connector, brown

T20d 20-pin connector, red

T94a 94-pin connector, black

TIUL Coupling point in interior, below left

TML Coupling point in engine compartment, left

A192 Positive connection 3 (15a) in dash panel wiring harness

A227 Connection 2 (LIN bus) in dash panel wiring harness

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B384 Connection 2 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

B698 Connection 3 (LIN bus) in main wiring harness

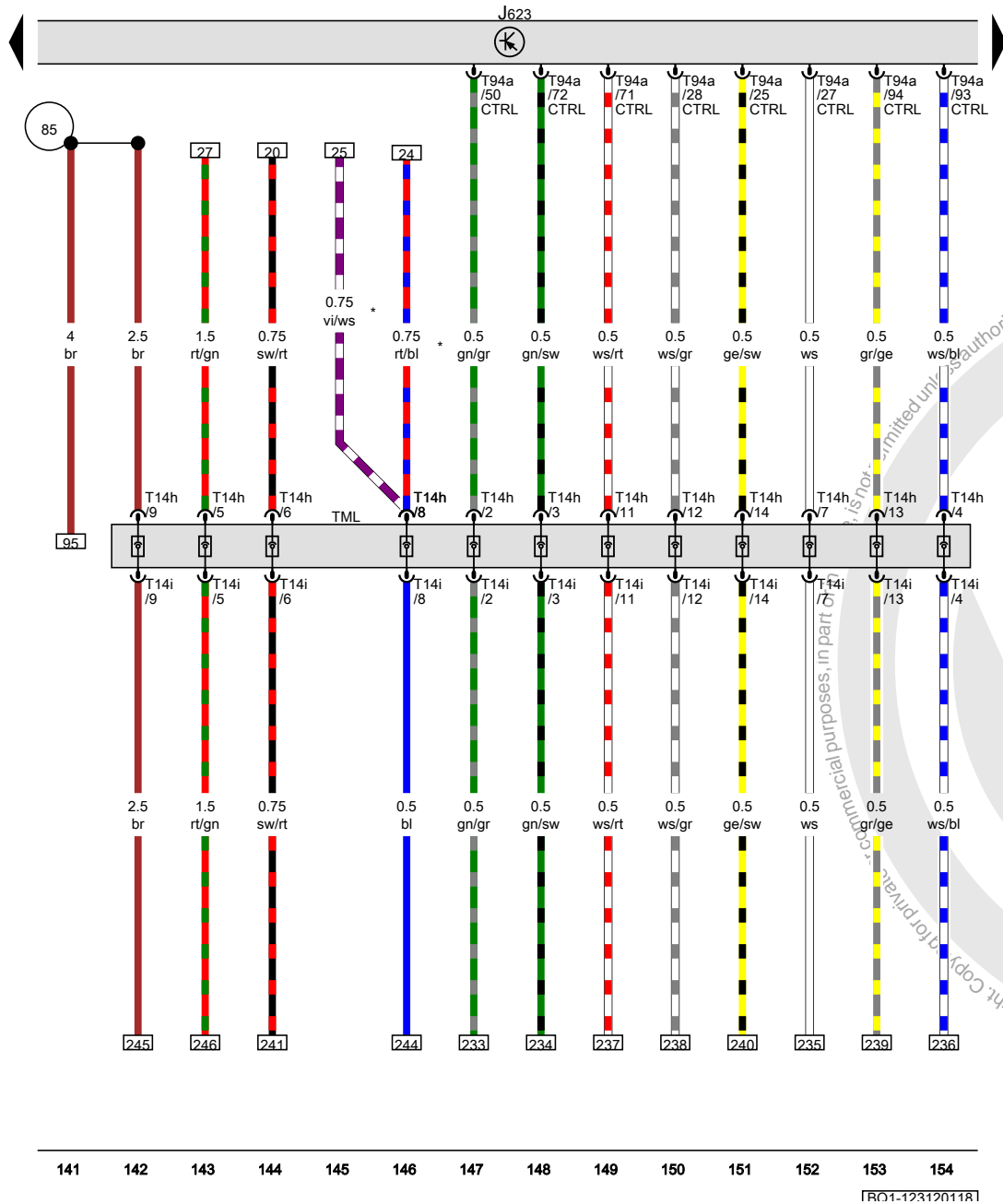
* According to equipment

*2 From November 2017

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Engine/motor control unit

- J623 Engine/motor control unit
 T14h 14-pin connector, grey
 T14i 14-pin connector, grey
 T94a 94-pin connector, black
 TML Coupling point in engine compartment, left
 85 Earth connection 1, in engine compartment wiring harness
 * According to equipment



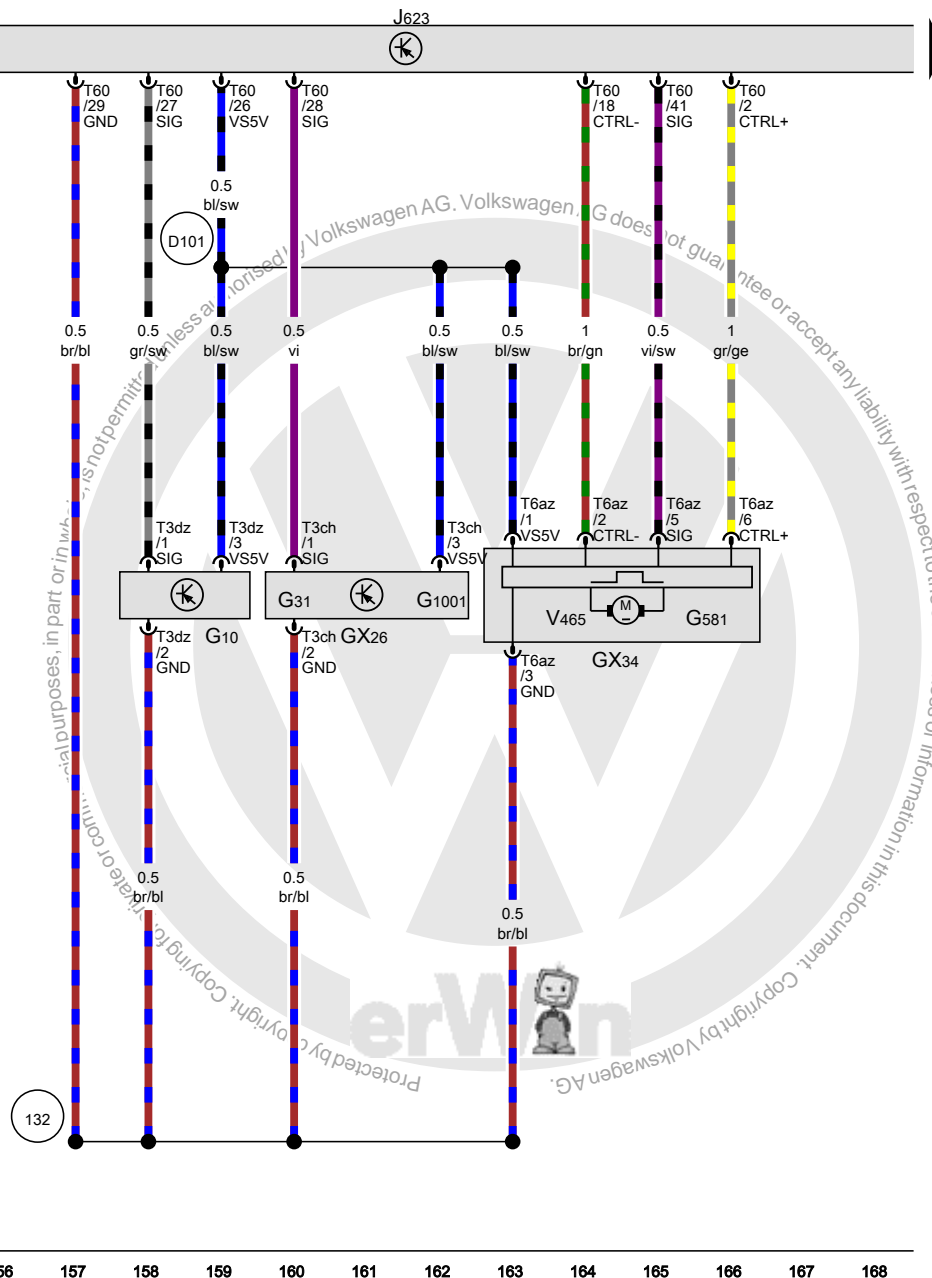
141 142 143 144 145 146 147 148 149 150 151 152 153 154

Oil pressure sender, Charge pressure sender, Charge pressure control module, Engine/motor control unit

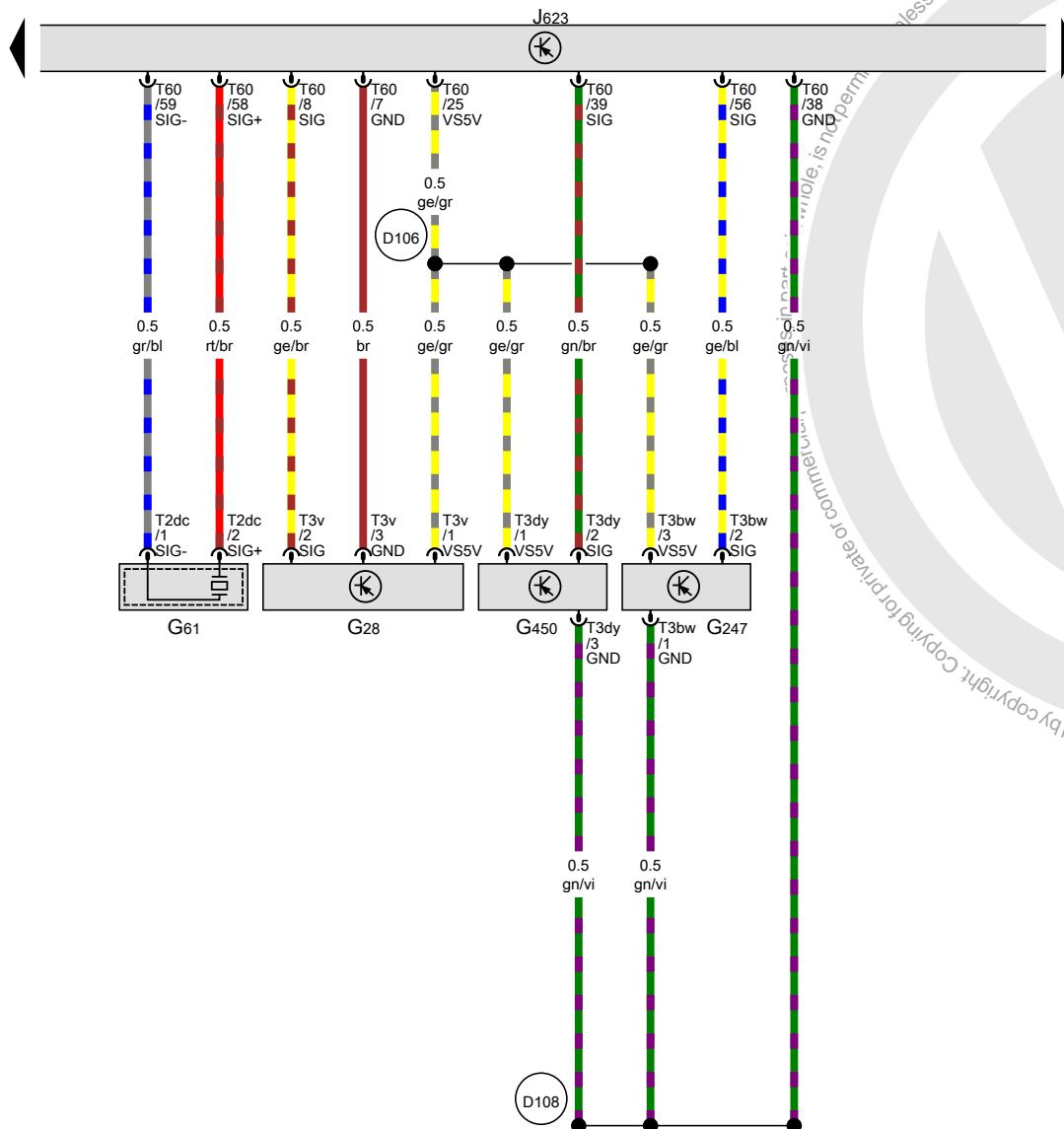
- G10 Oil pressure sender
- GX26 Charge pressure sender
- G31 Charge pressure sender
- GX34 Charge pressure control module
- G581 Position sender for charge pressure positioner
- G1001 Charge air temperature sender
- J623 Engine/motor control unit
- T3ch 3-pin connector, black
- T3dz 3-pin connector, black
- T6az 6-pin connector, grey
- T60 60-pin connector, black
- V465 Charge pressure positioner

132 Earth connection 3, in engine compartment wiring harness

D101 Connection 1 in engine compartment wiring harness



- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



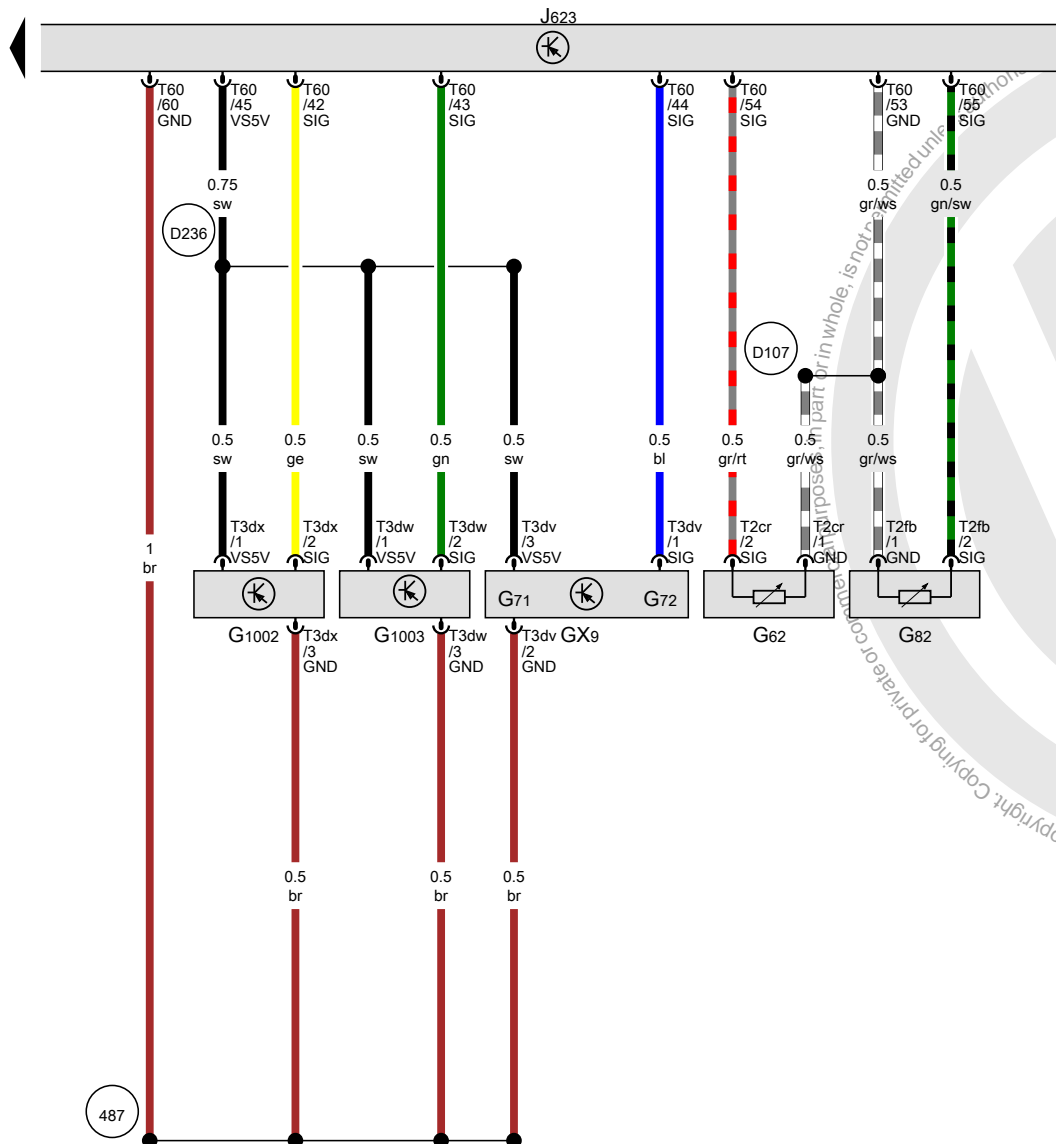
Engine speed sender, Knock sensor 1, Fuel pressure sender, Exhaust gas pressure sensor 1, Engine/motor control unit

- G28 Engine speed sender
- G61 Knock sensor 1
- G247 Fuel pressure sender
- G450 Exhaust gas pressure sensor 1
- J623 Engine/motor control unit
- T2dc 2-pin connector, black
- T3bw 3-pin connector, black
- T3dy 3-pin connector, black
- T3v 3-pin connector, black
- T60 60-pin connector, black

D106 Connection 4 in engine compartment wiring harness

D108 Connection 6 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Intake manifold sender, Coolant temperature sender, Engine outlet coolant temperature sender, Inlet camshaft position sender, Exhaust camshaft position sender, Engine/motor control unit

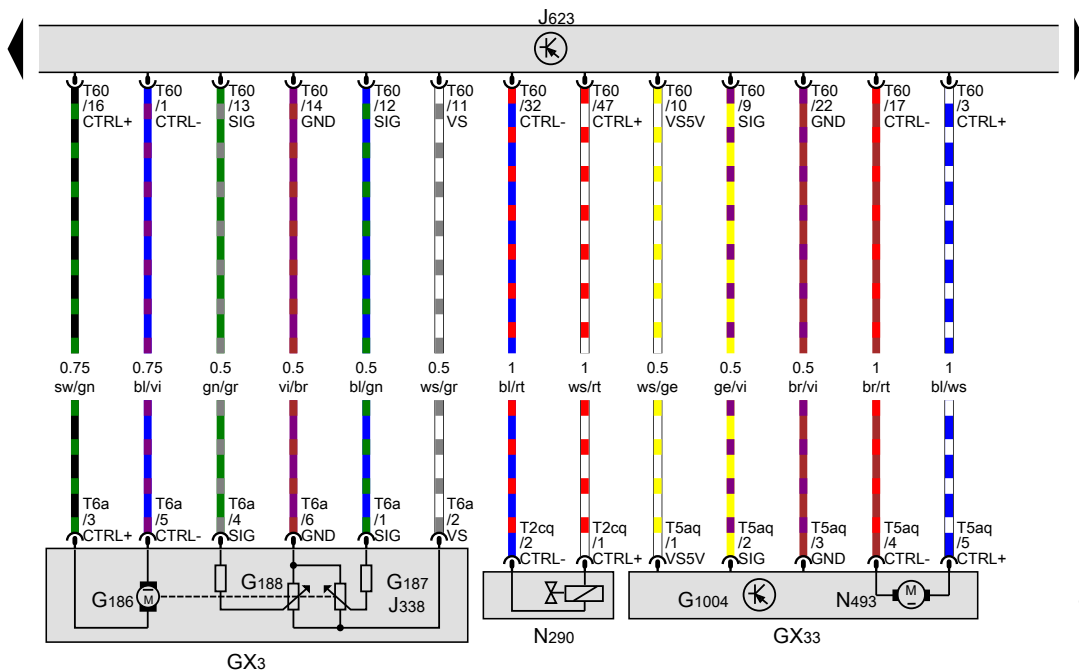
- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G72 Intake manifold temperature sender
- G82 Engine outlet coolant temperature sender
- G1002 Inlet camshaft position sender
- G1003 Exhaust camshaft position sender
- J623 Engine/motor control unit
- T2cr 2-pin connector, black
- T2fb 2-pin connector, black
- T3dv 3-pin connector, black
- T3dw 3-pin connector, black
- T3dx 3-pin connector, black
- T60 60-pin connector, black

487 Earth point 5, engine prewiring harness

D107 Connection 5 in engine compartment wiring harness

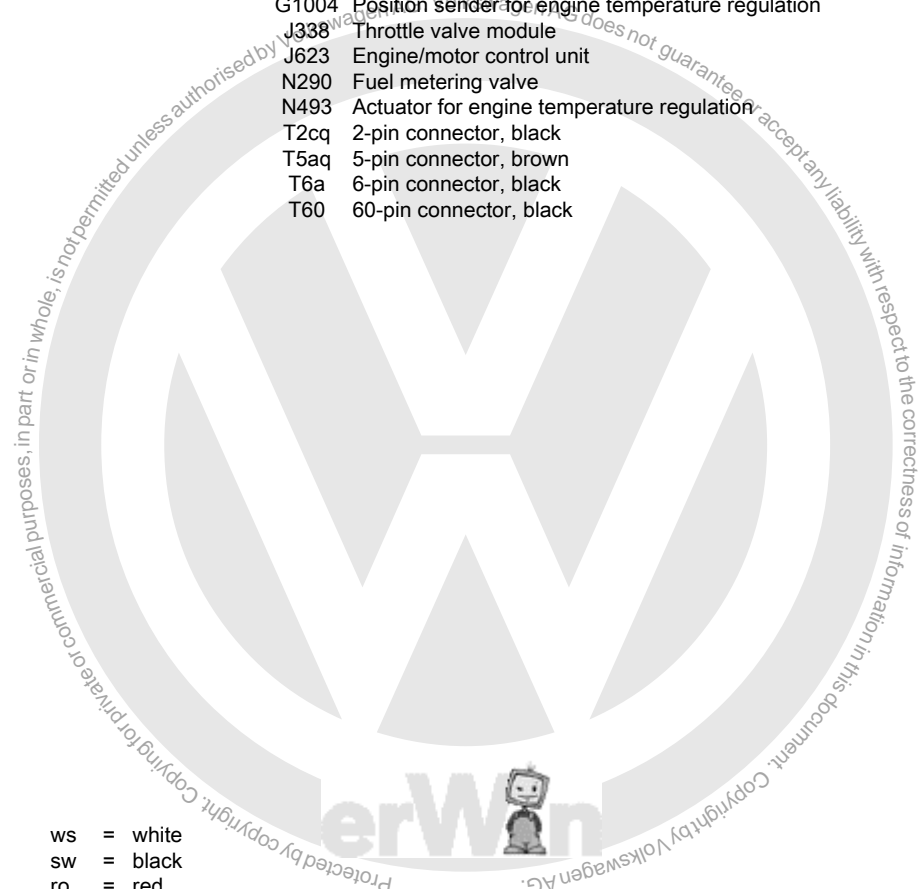
D236 Connection 5 (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



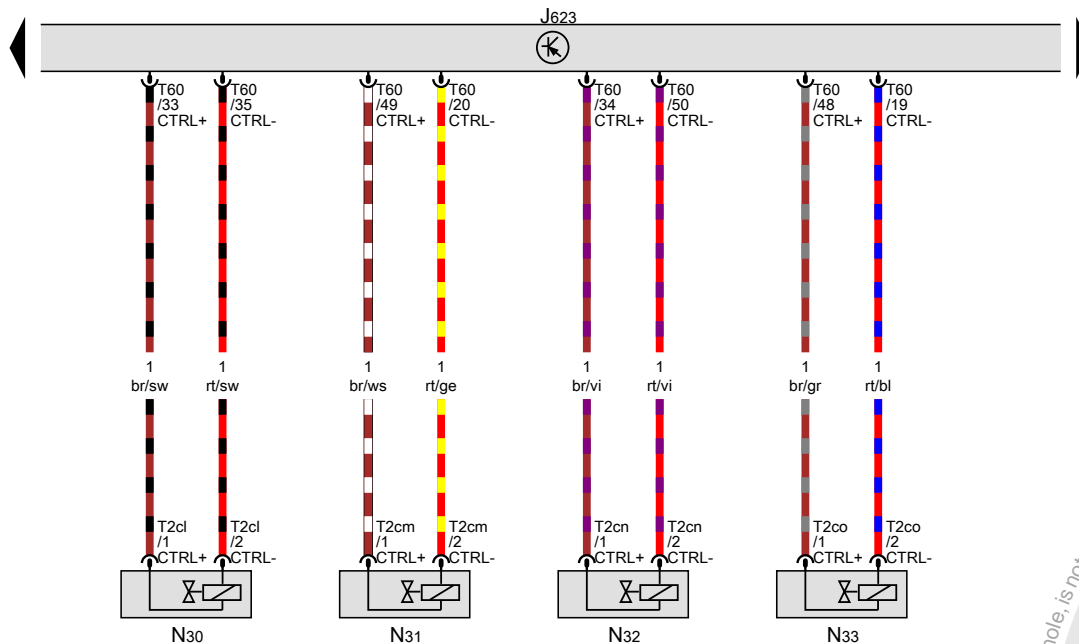
Throttle valve module, Engine temperature regulation module, Engine/motor control unit, Fuel metering valve

- GX3 Throttle valve module
- GX33 Engine temperature regulation module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G1004 Position sender for engine temperature regulation
- J338 Throttle valve module
- J623 Engine/motor control unit
- N290 Fuel metering valve
- N493 Actuator for engine temperature regulation
- T2cq 2-pin connector, black
- T5aq 5-pin connector, brown
- T6a 6-pin connector, black
- T60 60-pin connector, black

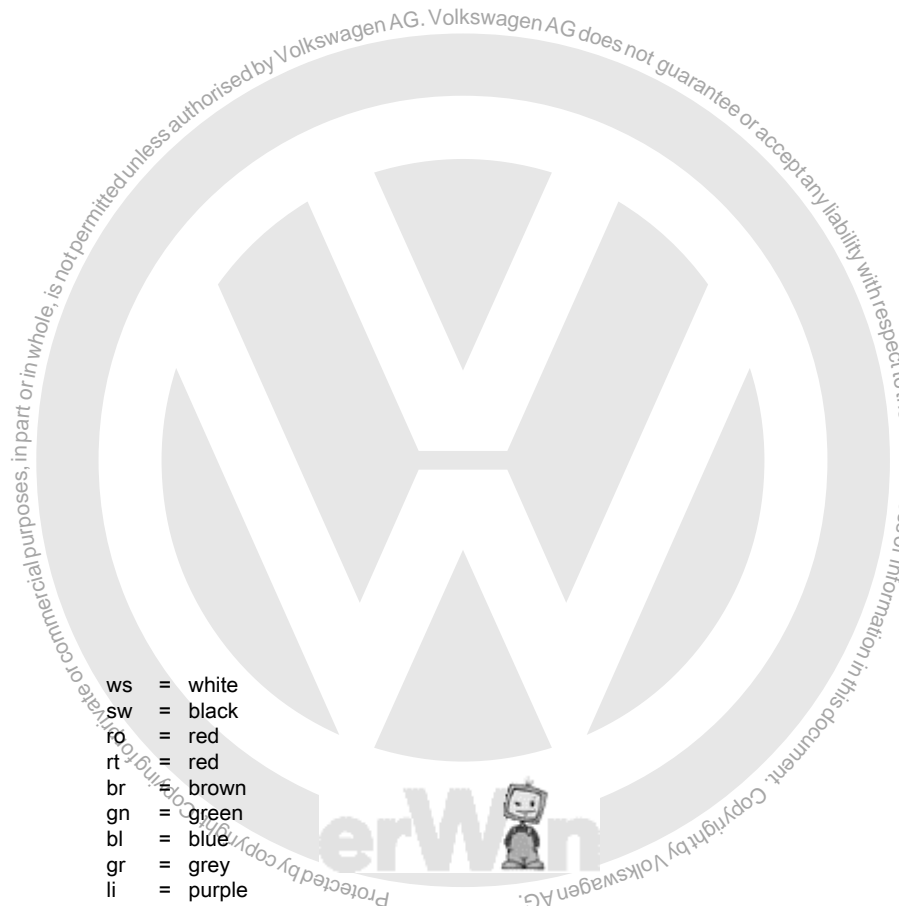


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



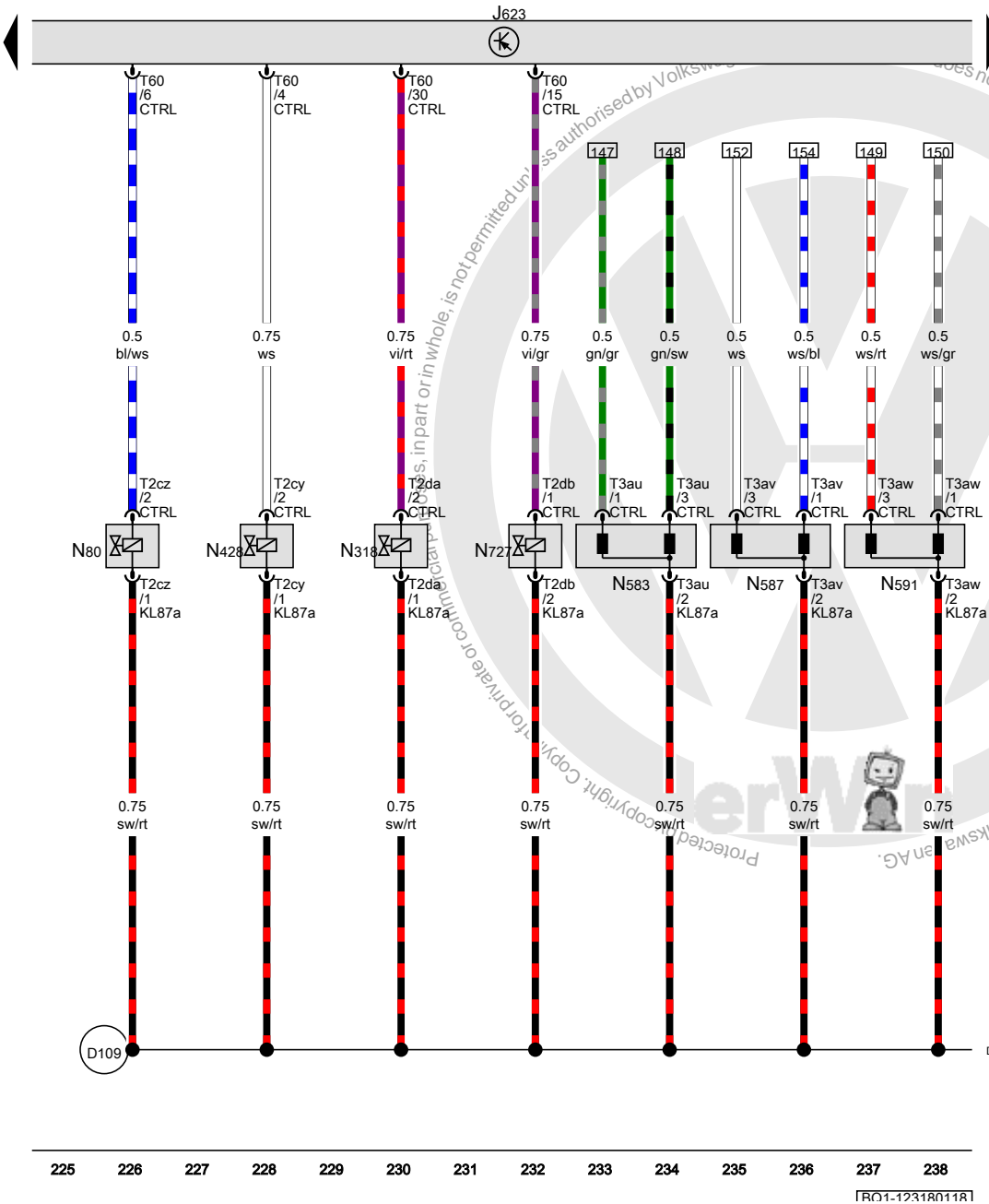
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T60 60-pin connector, black



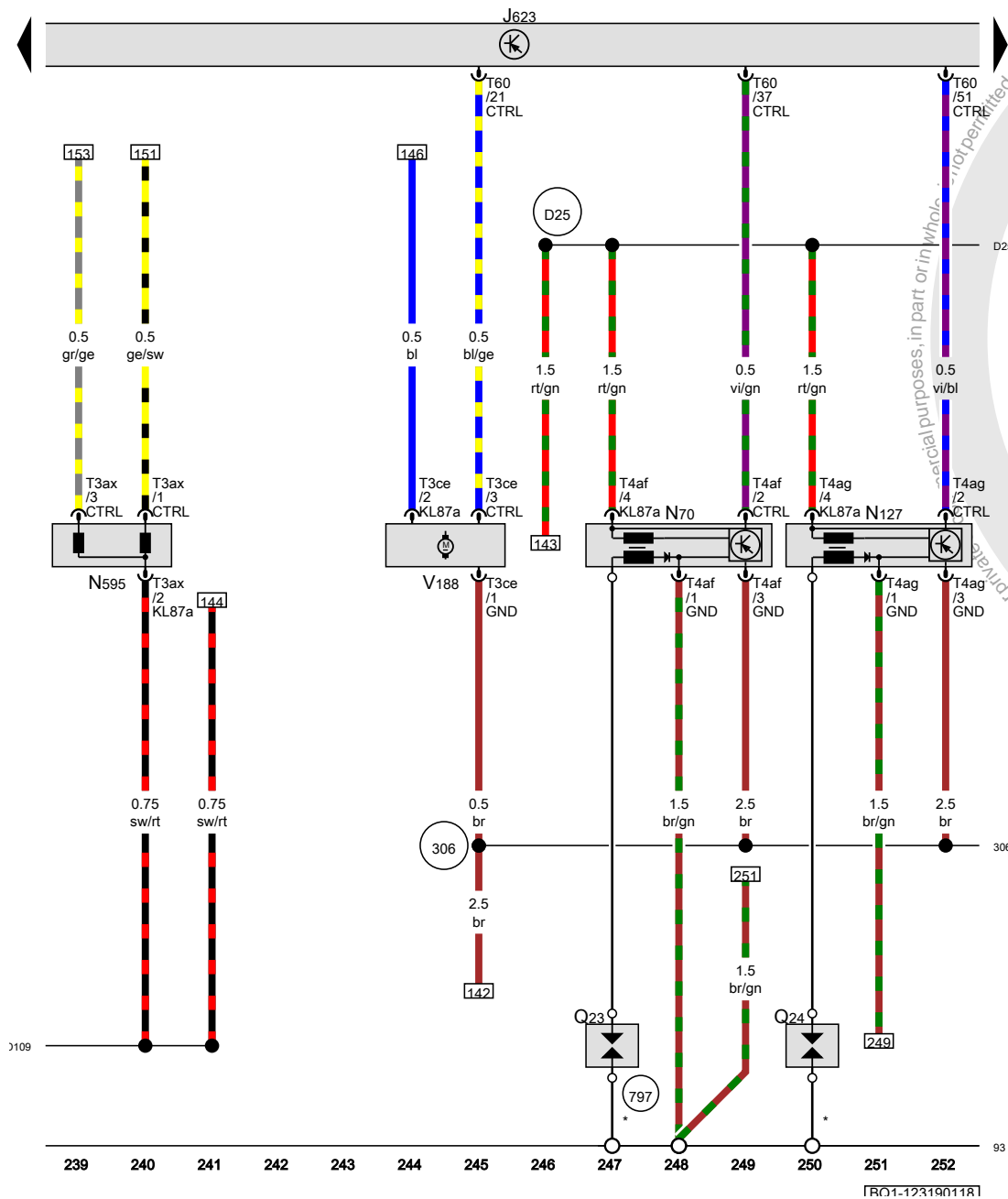
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine/motor control unit, Activated charcoal filter solenoid valve 1, Exhaust camshaft control valve 1, Valve for oil pressure control, Inlet cam actuator for cylinder 2, Exhaust cam actuator for cylinder 2, Inlet cam actuator for cylinder 3, Inlet camshaft control valve 1

- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N583 Inlet cam actuator for cylinder 2
- N587 Exhaust cam actuator for cylinder 2
- N591 Inlet cam actuator for cylinder 3
- N727 Inlet camshaft control valve 1
- T2cy 2-pin connector, black
- T2cz 2-pin connector, black
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3au 3-pin connector, black
- T3av 3-pin connector, black
- T3aw 3-pin connector, black
- T60 60-pin connector, black
- D109 Connection 7 in engine compartment wiring harness



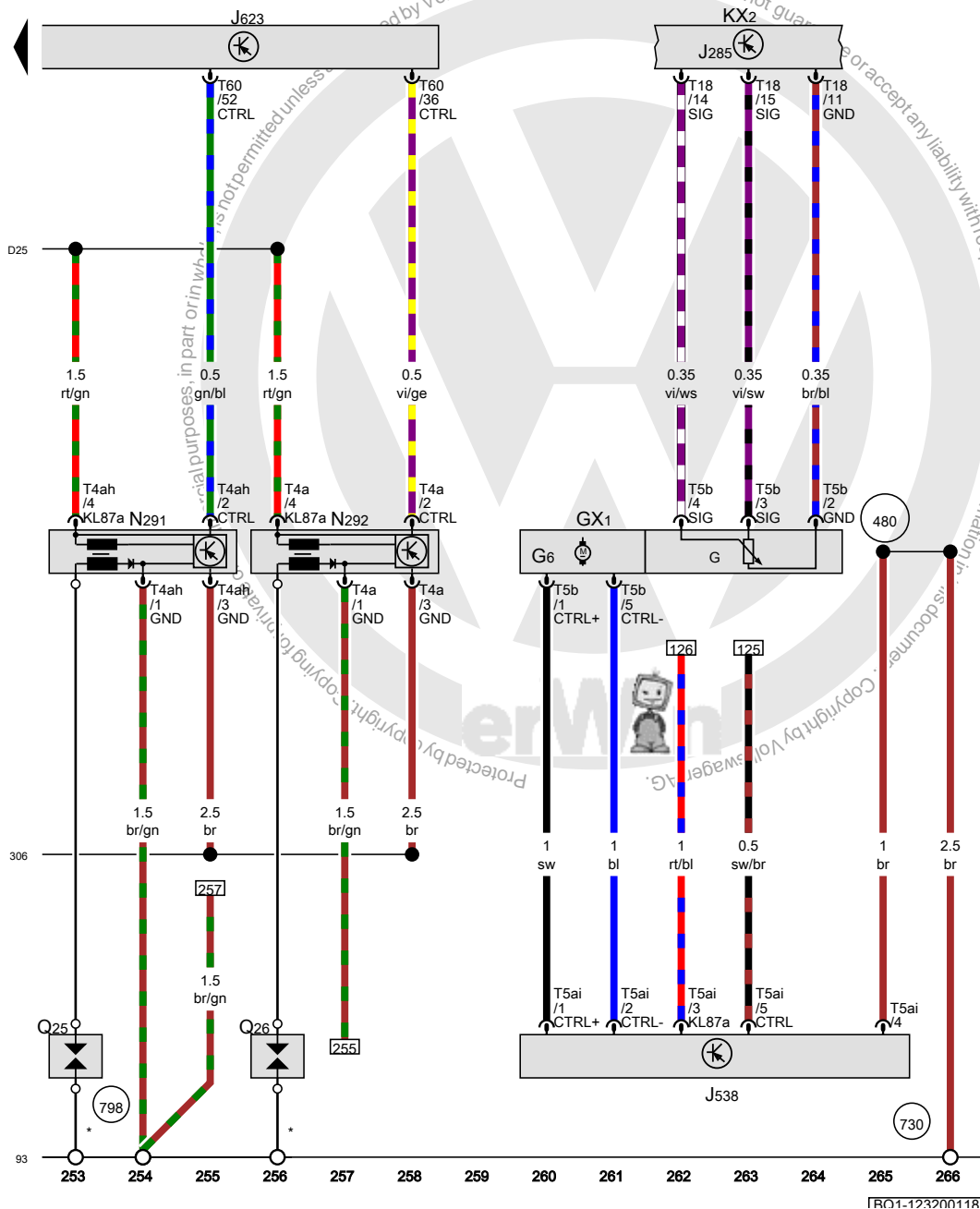
- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink



Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Exhaust cam actuator for cylinder 3, Spark plug 1, Spark plug 2, Charge air cooling pump

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N595 Exhaust cam actuator for cylinder 3
- Q23 Spark plug 1
- Q24 Spark plug 2
- T3ax 3-pin connector, black
- T3ce 3-pin connector, black
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T60 60-pin connector, black
- V188 Charge air cooling pump
- 306 Earth connection (ignition coils), in engine prewiring harness
- 797 Earth point on cylinder block for ignition coil, cylinders 1 and 2
- D25 Positive connection (15), in engine prewiring harness
- D109 Connection 7 in engine compartment wiring harness
- * Earth supply via housing

ws = white
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Fuel delivery unit, Fuel pump control unit, Engine/motor control unit, Dash panel insert, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug 3, Spark plug 4

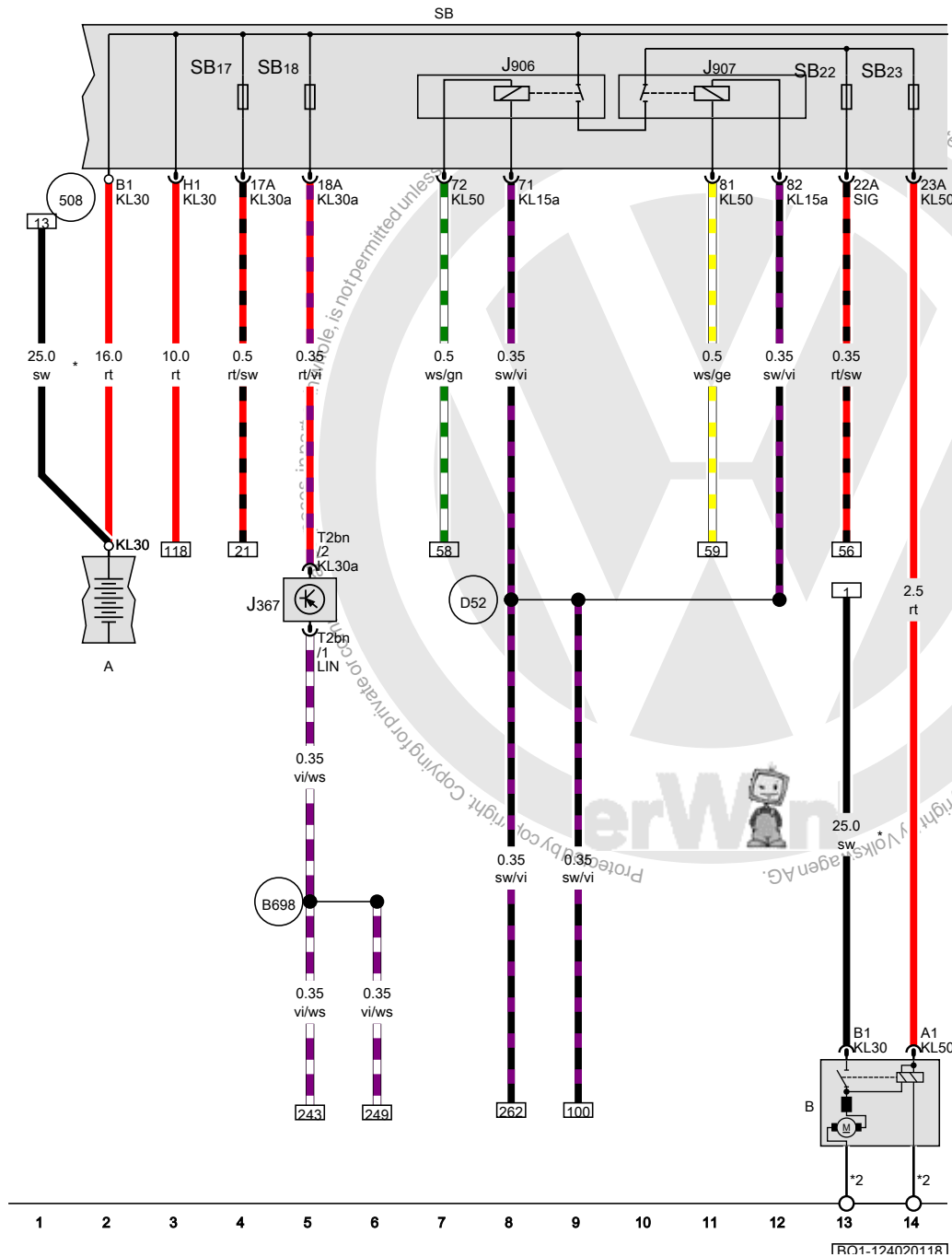
- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- KX2 Dash panel insert
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4a 4-pin connector, black
- T4ah 4-pin connector, black
- T5ai 5-pin connector, black
- T5b 5-pin connector, black
- T18 18-pin connector, black
- T60 60-pin connector, black
- 306 Earth connection (ignition coils), in engine prewiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- 798 Earth point on cylinder block for ignition coil, cylinders 3 and 4
- D25 Positive connection (15), in engine prewiring harness
- * Earth supply via housing

1.6l diesel engine , CLHA

From November 2016

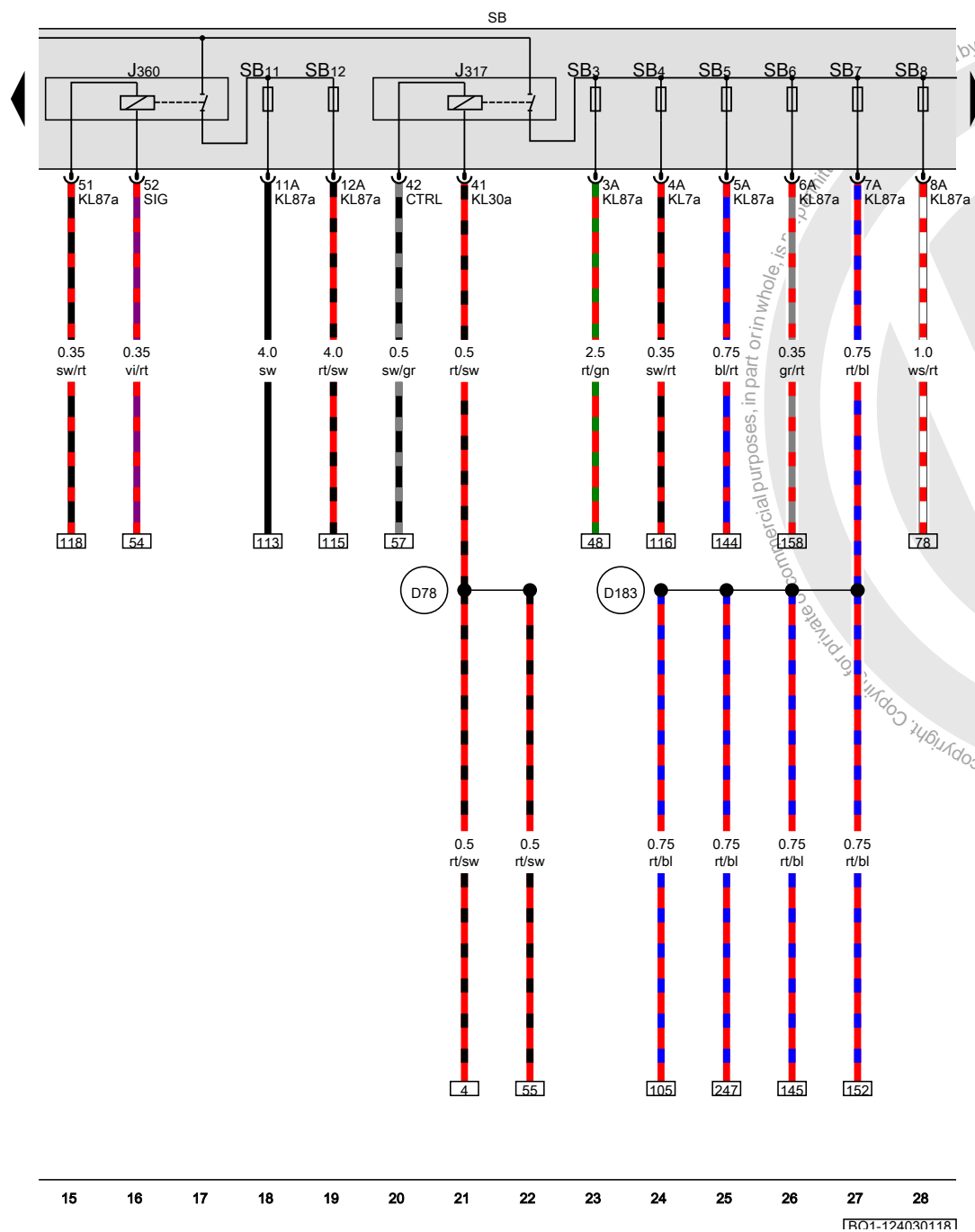


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B



- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B, in E-box in engine compartment
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector, yellow
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * Cross-section 35.0 possible
- *2 Earth supply via housing

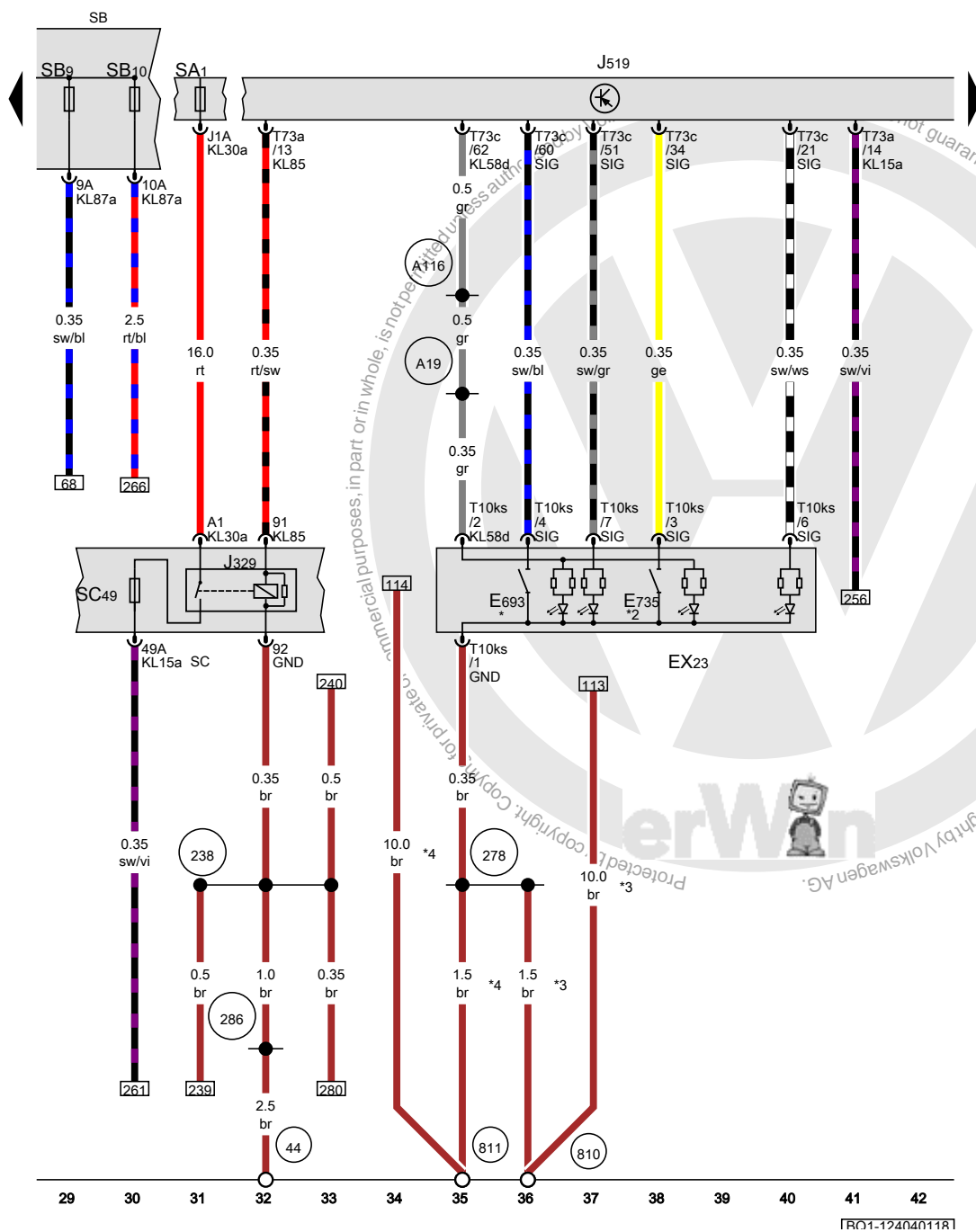
- ws = white
- sw = black
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- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Terminal 30 voltage supply relay, High heat output relay, Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness

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Switch module 1 in centre console, Onboard supply control unit, Fuse holder B, Fuse holder C

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- E735 Driving mode selection button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A, in E-box in engine compartment
- SB Fuse holder B, in E-box in engine compartment
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C, in interior, in front left in footwell
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

- * For models with start/stop system
- *2 According to equipment
- *3 For left-hand drive models
- *4 For right-hand drive models

Onboard supply control unit, Engine/motor control unit

J519 Onboard supply control unit

J623 Engine/motor control unit

T73c 73-pin connector, black

T94 94-pin connector, black

201 Earth connection 5, in engine compartment wiring harness

671 Earth point 1, on front of left longitudinal member

B160 Connection (brake system monitor), in interior wiring harness

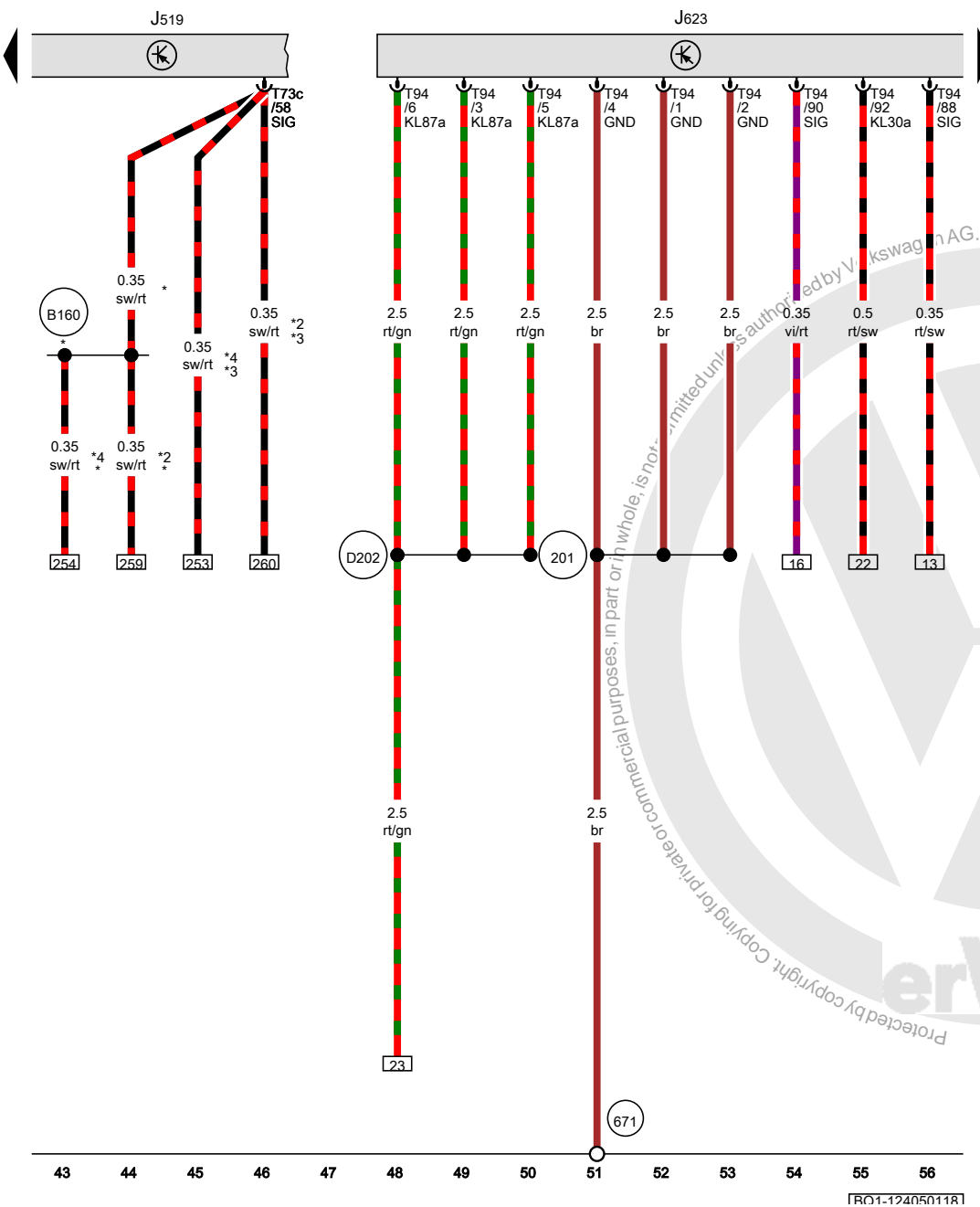
D202 Connection 6 (87a), in engine compartment wiring harness

* For models with trailer socket

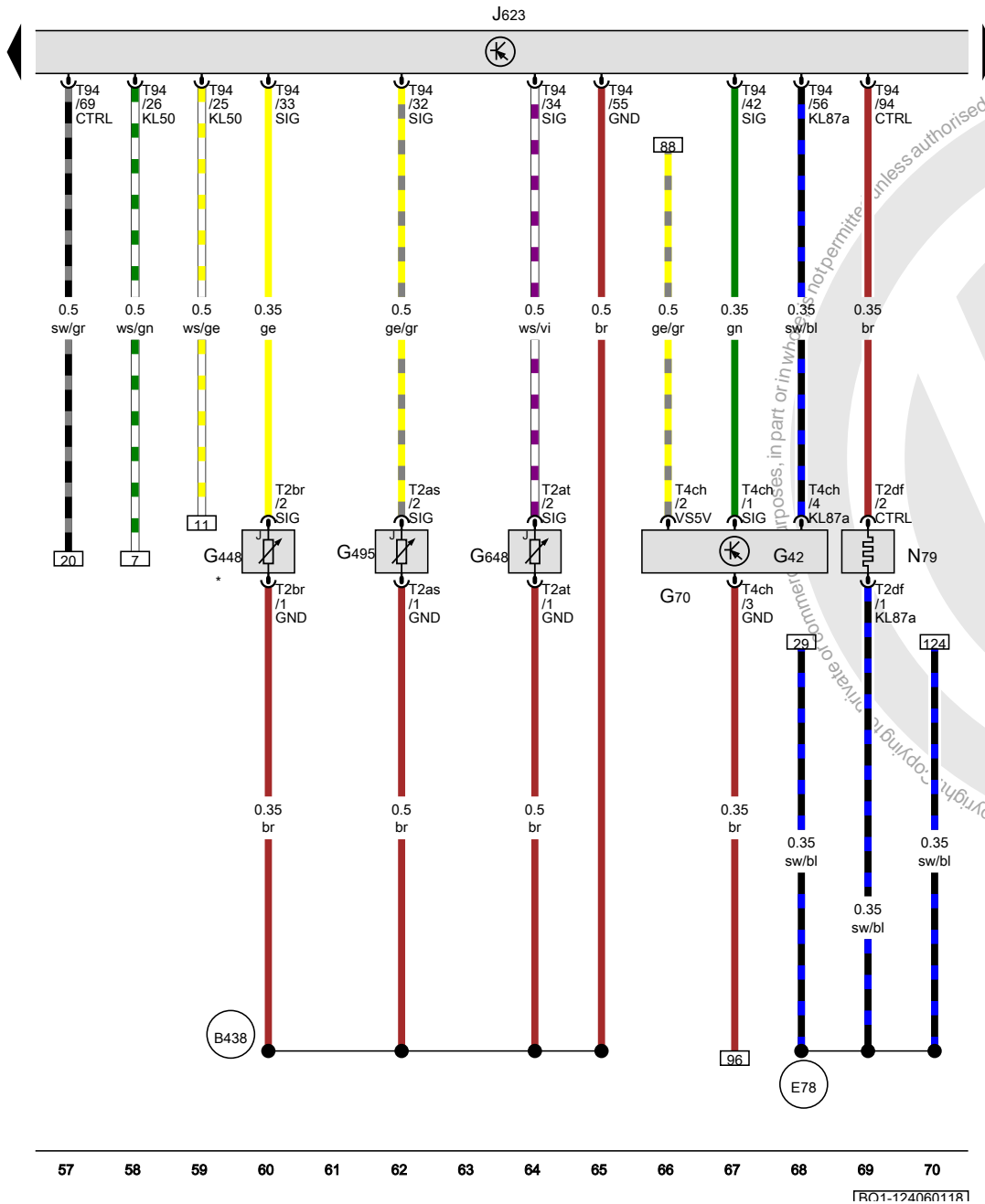
*2 Up to November 2017

*3 For models with no trailer socket

*4 From November 2017



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



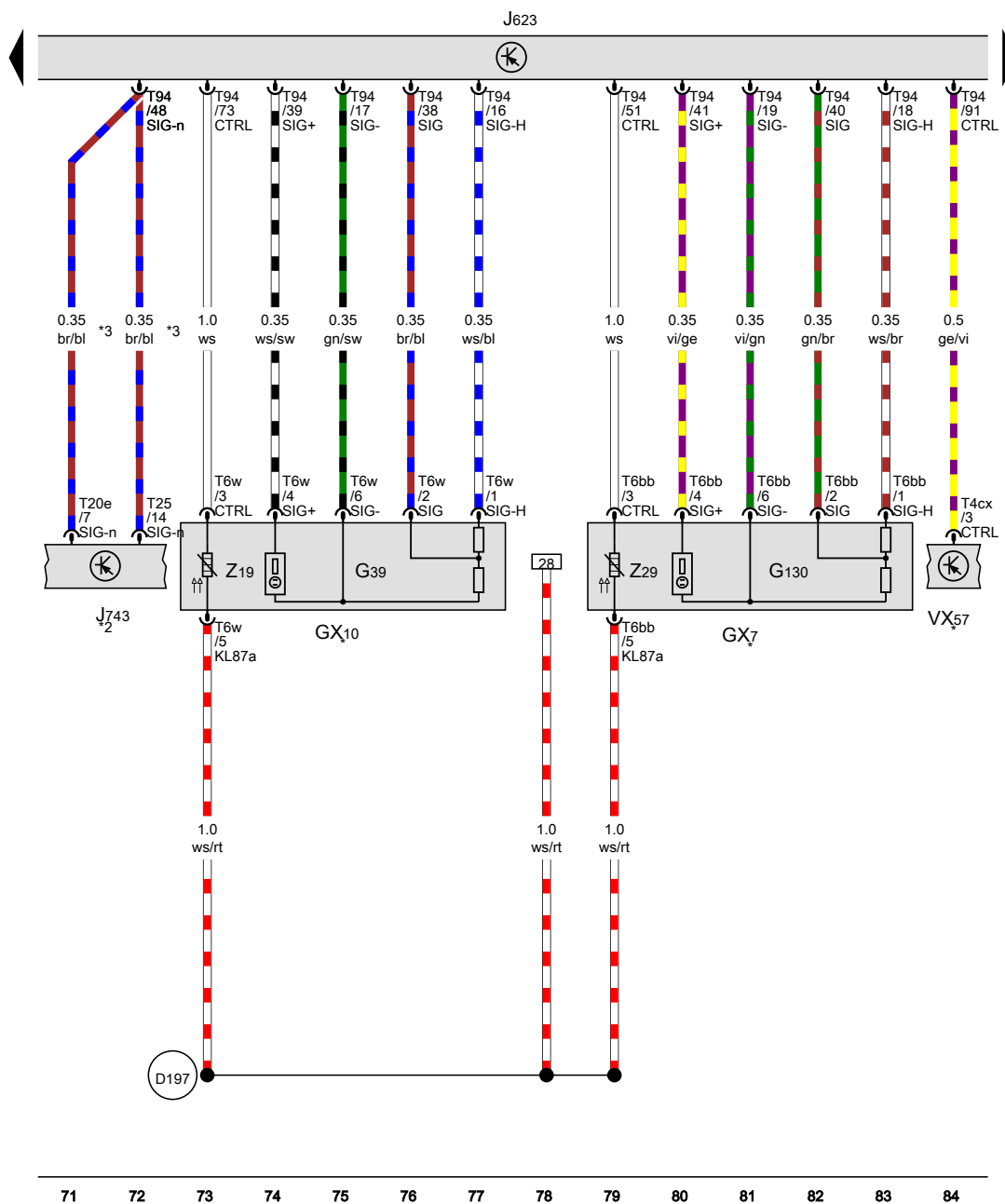
Air mass meter, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit, Heater element for crankcase breather

- G42 Intake air temperature sender
- G70 Air mass meter
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- T2as 2-pin connector, brown
- T2at 2-pin connector, orange
- T2br 2-pin connector, black
- T2df 2-pin connector, black
- T4ch 4-pin connector, black
- T94 94-pin connector, black

B438 Connection 2 (GND (earth)), in main wiring harness

E78 Connection 2 (87a) in engine wiring harness

* For models with Euro 6 plus emission standard



Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine/motor control unit, Radiator fan

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T4cx 4-pin connector, black
- T6bb 6-pin connector, brown
- T6w 6-pin connector, black
- T20e 20-pin connector, black
- T25 25-pin connector, black
- T94 94-pin connector, black
- VX57 Radiator fan
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 see applicable current flow diagram for dual clutch gearbox
- *3 According to equipment

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Gearbox neutral position sender, Engine/motor control unit, Exhaust flap control unit

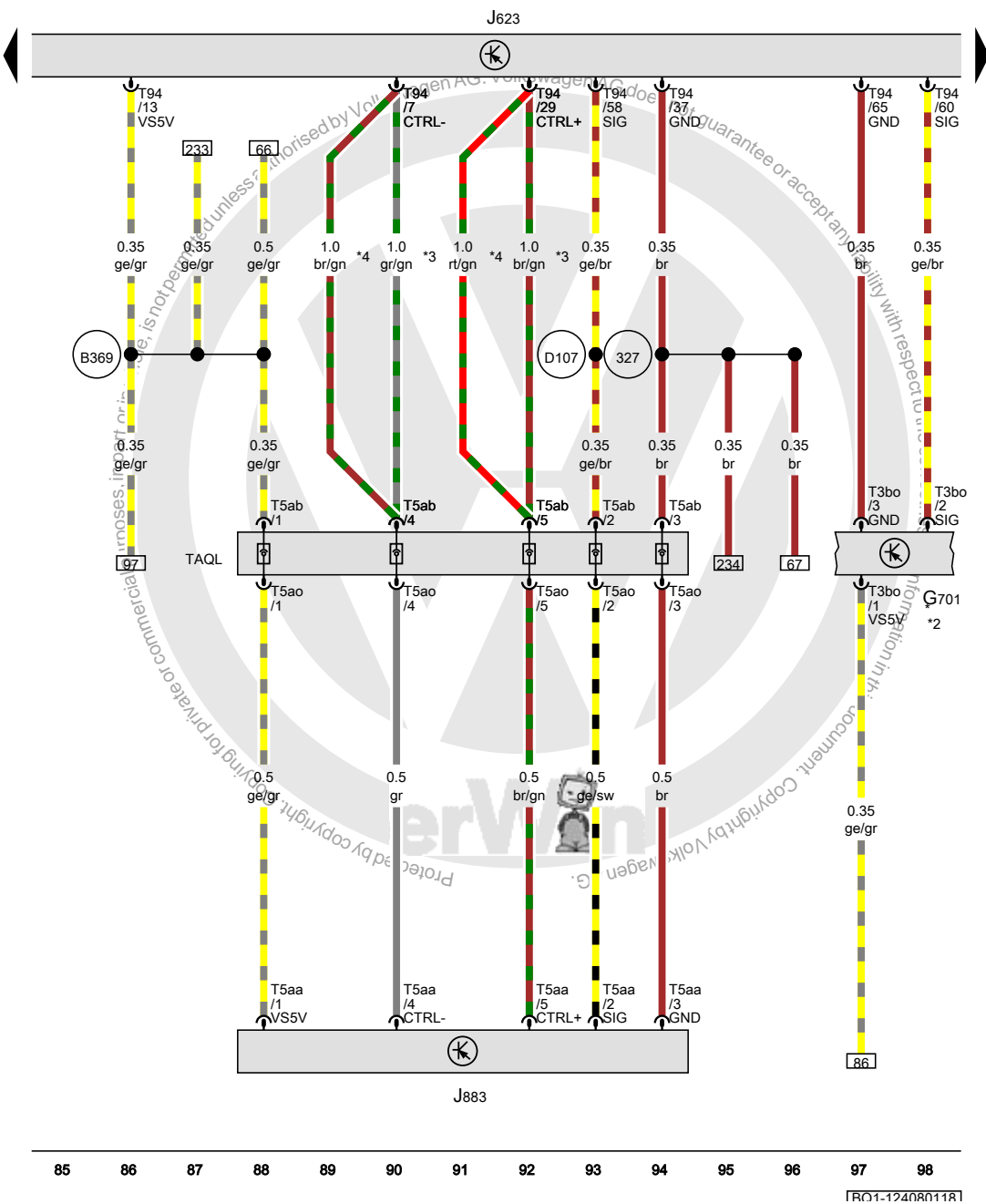
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T3bo 3-pin connector, brown
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T94 94-pin connector, black
- TAQL Coupling point on rear cross member, left

327 Earth connection (sender earth), in engine compartment wiring harness

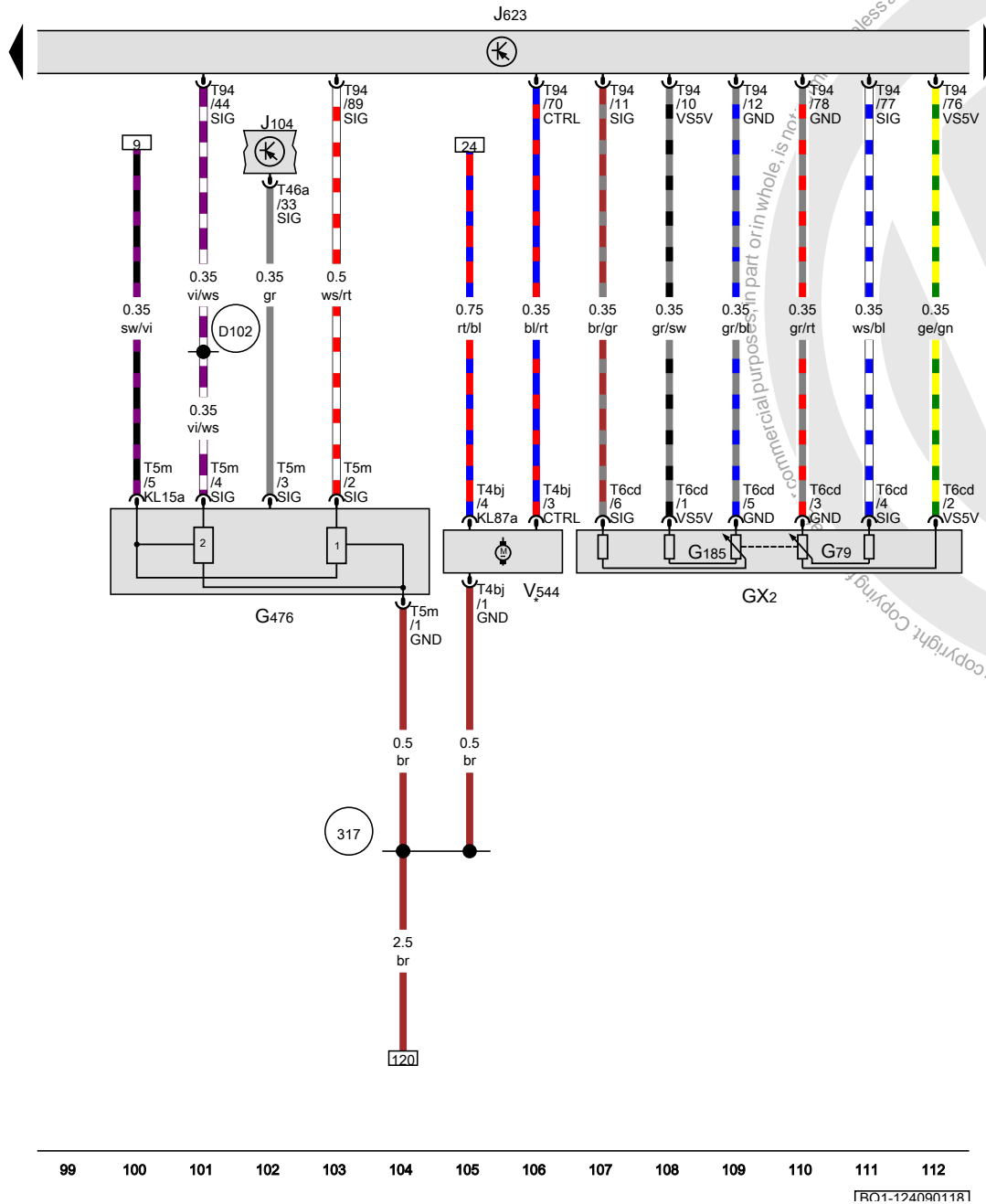
B369 Connection 1 (5V), in main wiring harness

D107 Connection 5 in engine compartment wiring harness

- * For models with start/stop system
- *2 For models with manual gearbox
- *3 Up to November 2017
- *4 From November 2017



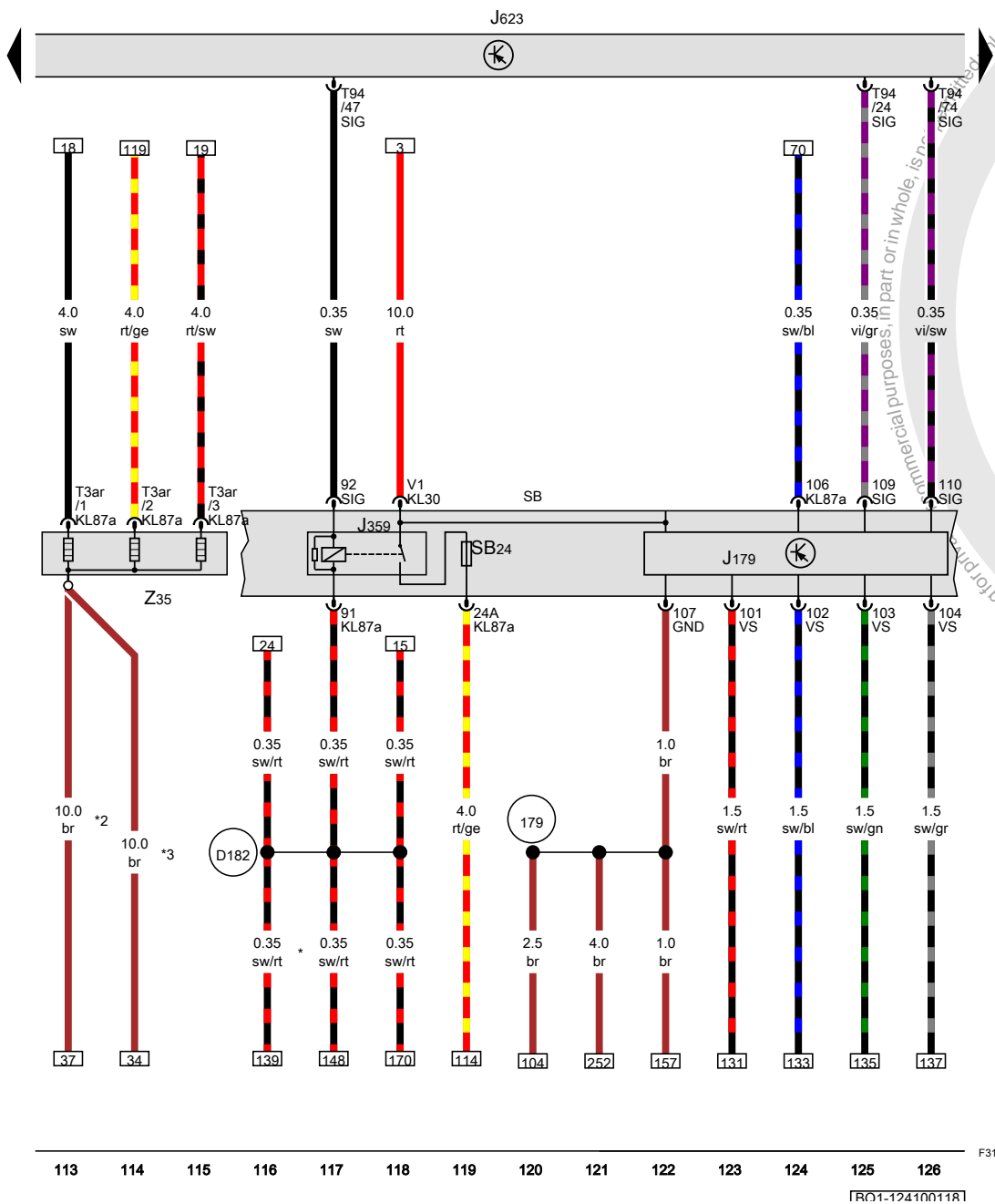
- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Accelerator pedal module, Clutch position sender, ABS control unit, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T4bj 4-pin connector, black
- T5m 5-pin connector, black
- T6cd 6-pin connector, black
- T46a 46-pin connector, black
- T94 94-pin connector, black
- V544 Radiator blind control motor

- 317 Earth connection 7, in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * According to equipment

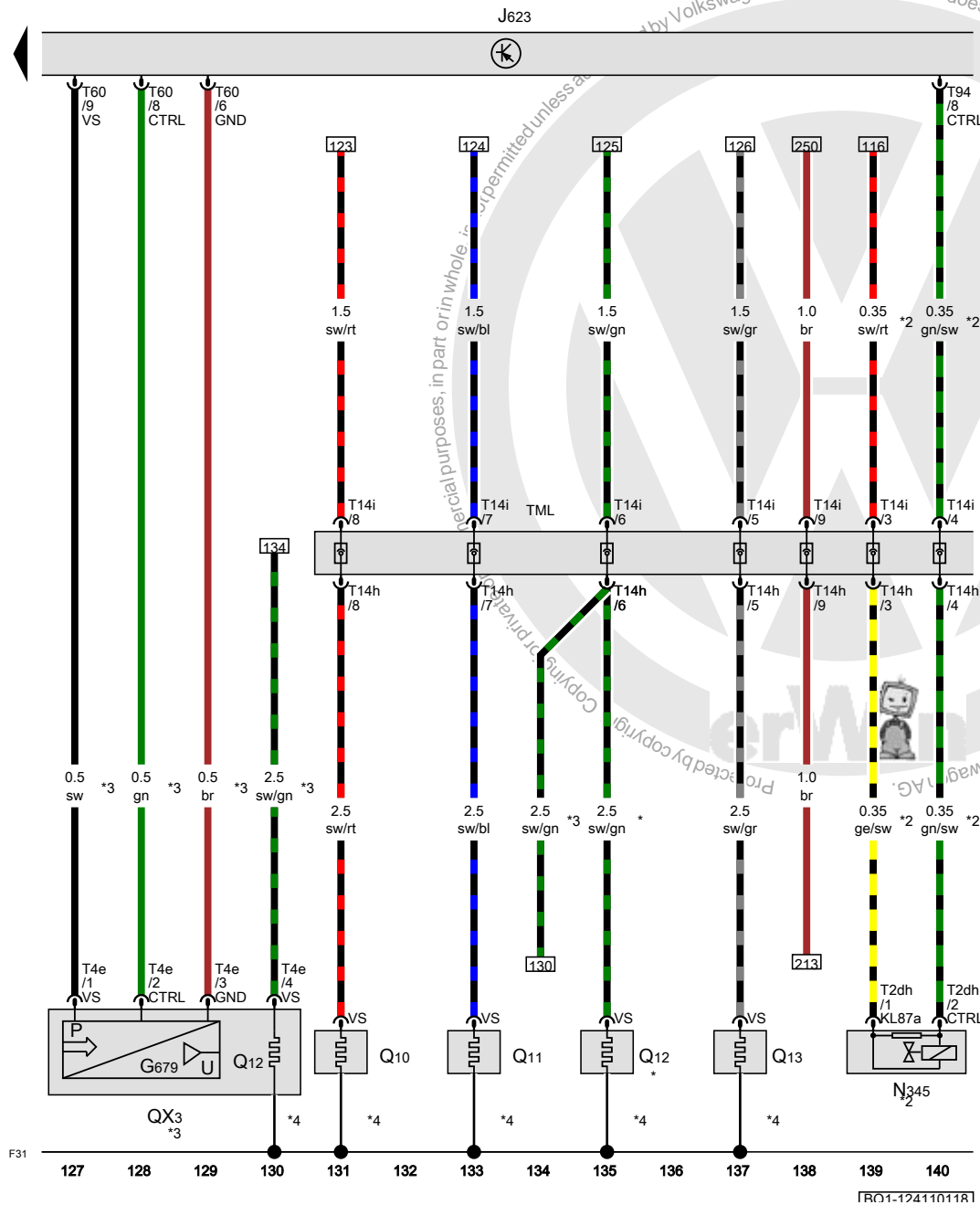


Automatic glow period control unit, Low heat output relay, Engine/motor control unit, Auxiliary air heater element

- J179 Automatic glow period control unit
- J359 Low heat output relay
- J623 Engine/motor control unit
- SB Fuse holder B, in E-box
- SB24 Fuse 24 on fuse holder B
- T3ar 3-pin connector, black
- T94 94-pin connector, black
- Z35 Auxiliary air heater element

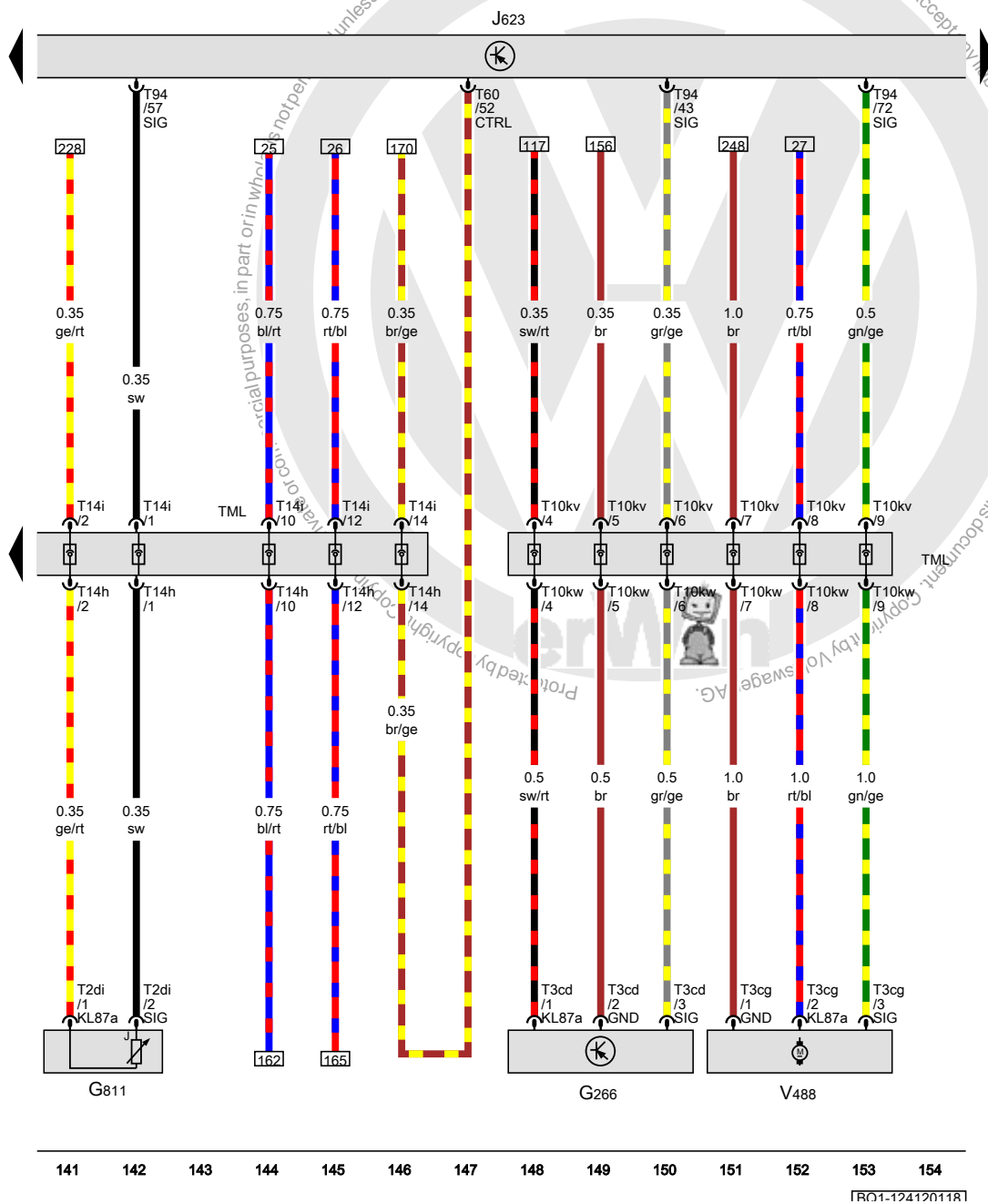
- 179 Earth connection, in left headlight wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness
- * According to equipment
- *2 For left-hand drive models
- *3 For right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



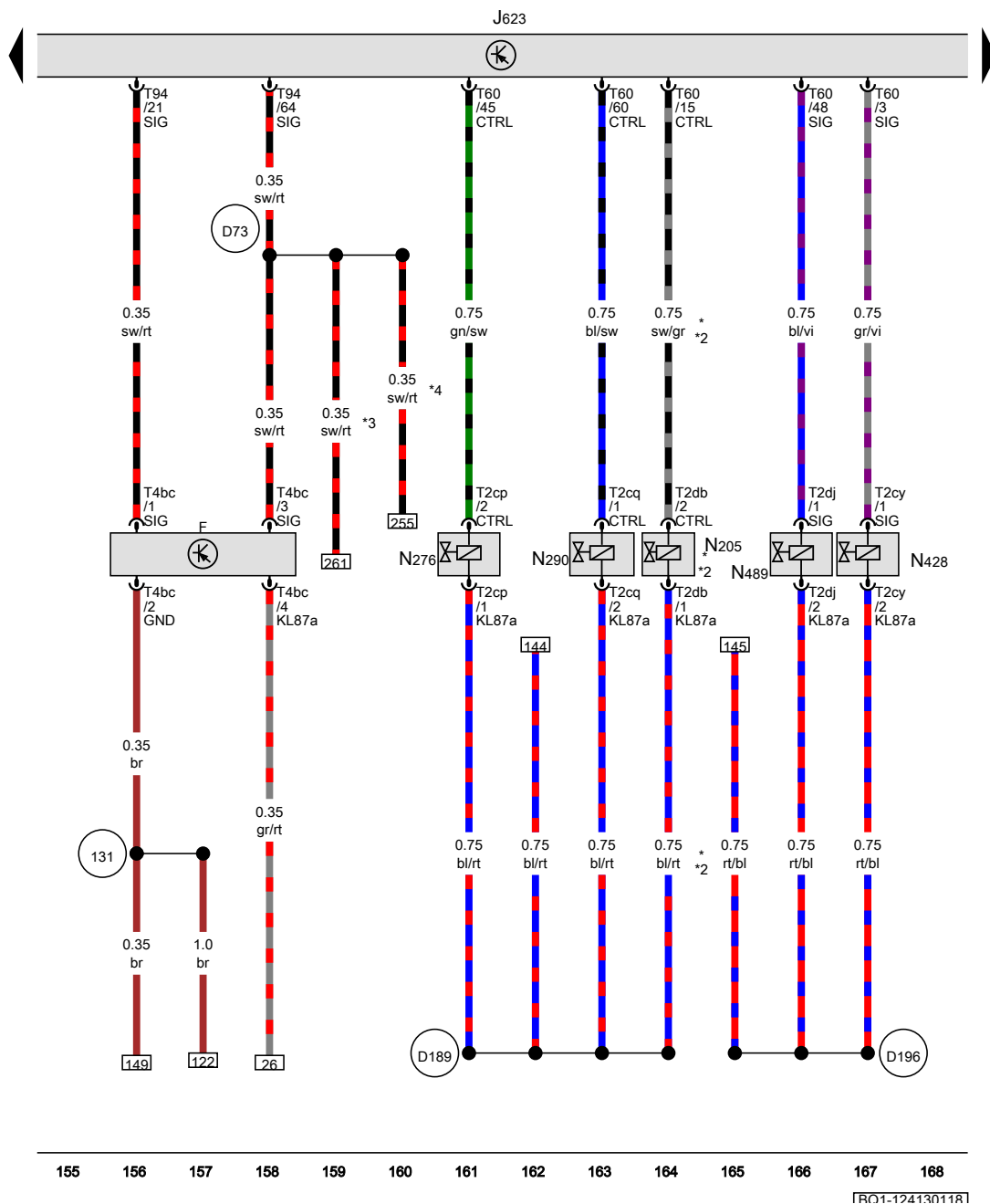
Engine/motor control unit, Exhaust gas recirculation cooler changeover valve, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- N345 Exhaust gas recirculation cooler changeover valve
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T2dh 2-pin connector, black
- T4e 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- * Not for models with Euro 6 plus emission standard
- *2 According to equipment
- *3 For models with Euro 6 plus emission standard
- *4 Earth supply via housing



Oil level and oil temperature sender, Charge air temperature sender after charge air cooler, Engine/motor control unit, Auxiliary pump for heating

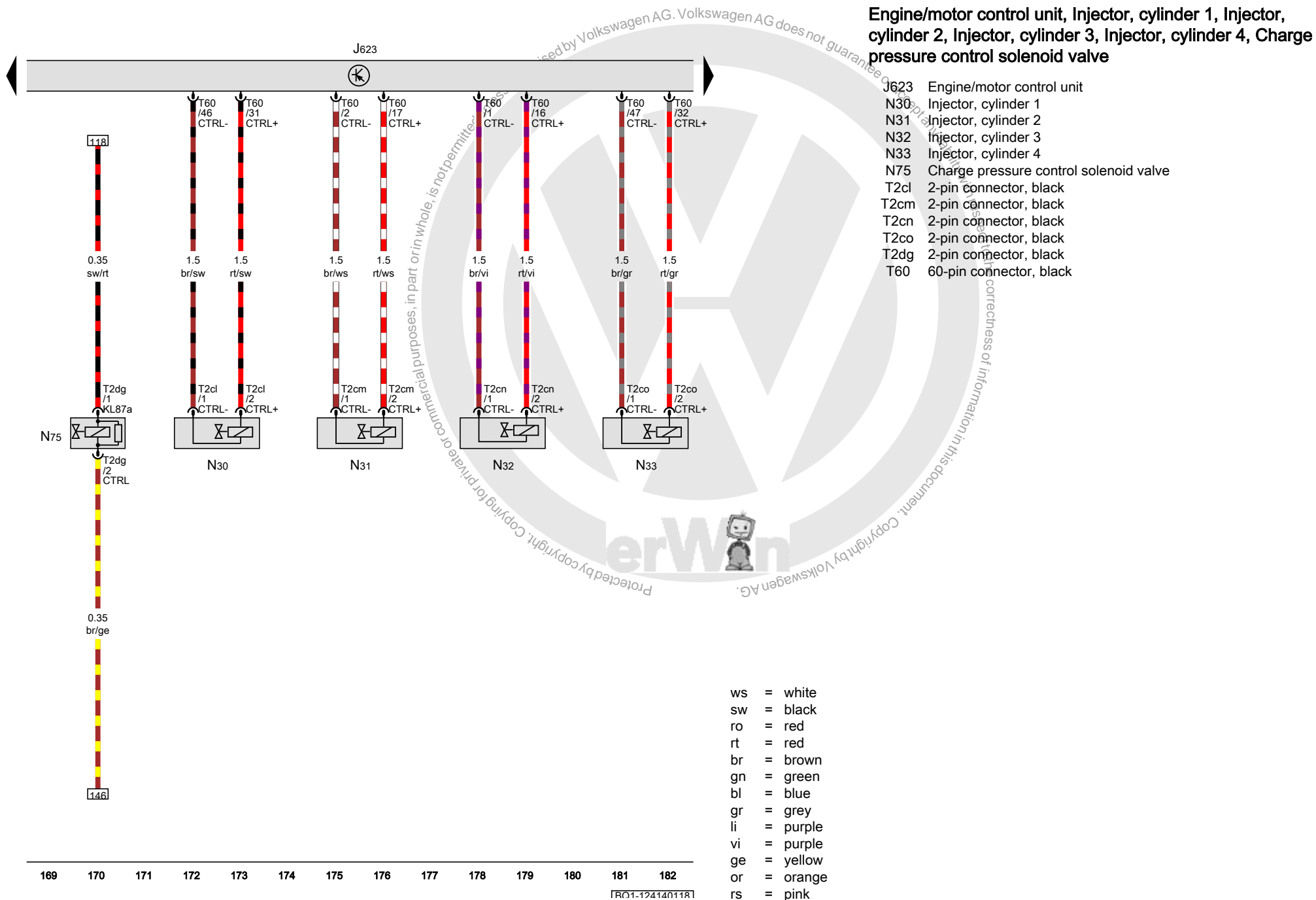
- G266 Oil level and oil temperature sender
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- T2di 2-pin connector, black
- T3cd 3-pin connector, black
- T3cg 3-pin connector, black
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating



Brake light switch, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F Brake light switch
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector, black
- T2cq 2-pin connector, black
- T2cy 2-pin connector, black
- T2db 2-pin connector, black
- T2dj 2-pin connector, brown
- T4bc 4-pin connector, black
- T60 60-pin connector, black
- T94 94-pin connector, black
- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * For models with Euro 6 plus emission standard
- *2 For models with manual gearbox
- *3 Up to November 2017
- *4 From November 2017

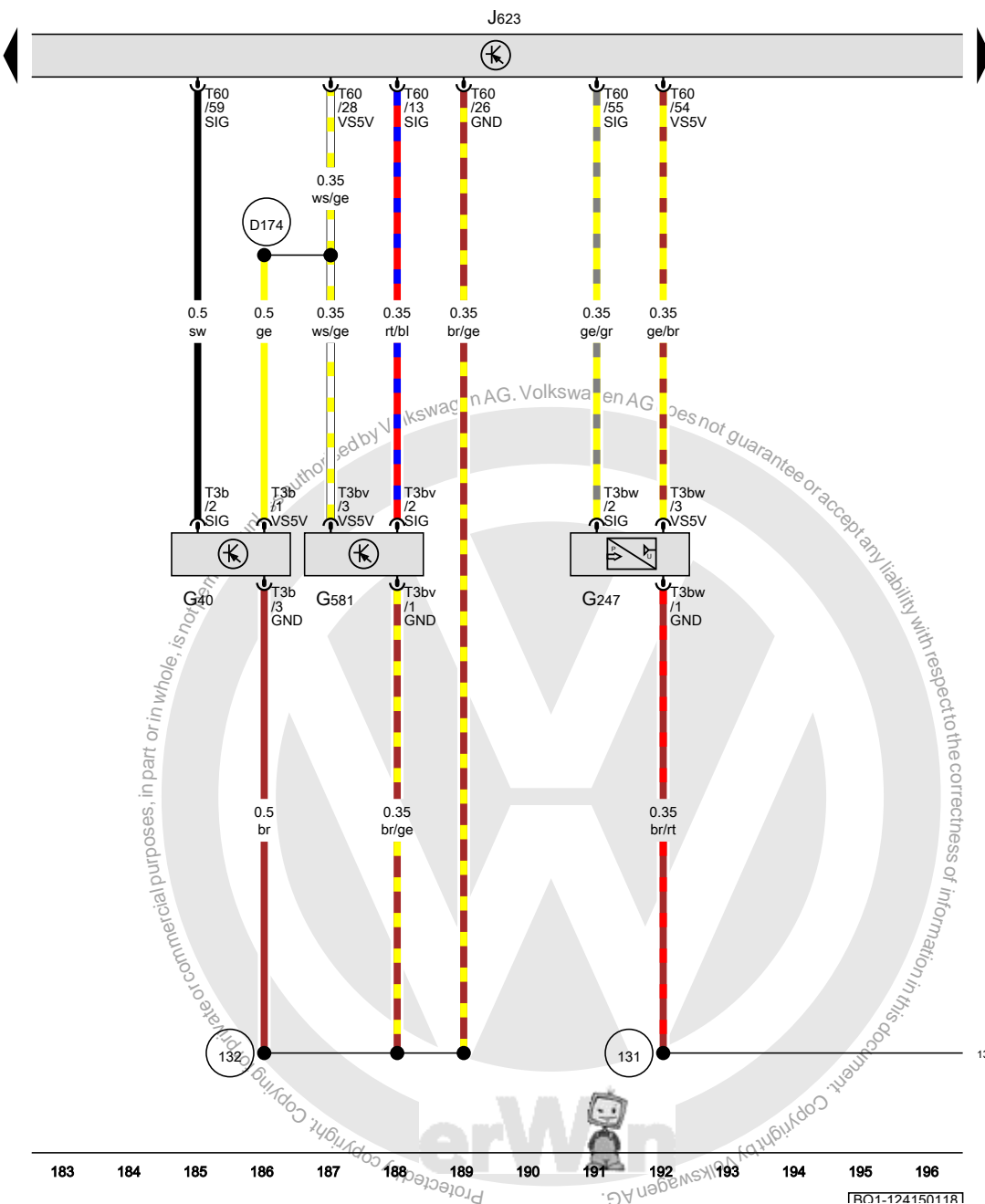
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Hall sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine/motor control unit

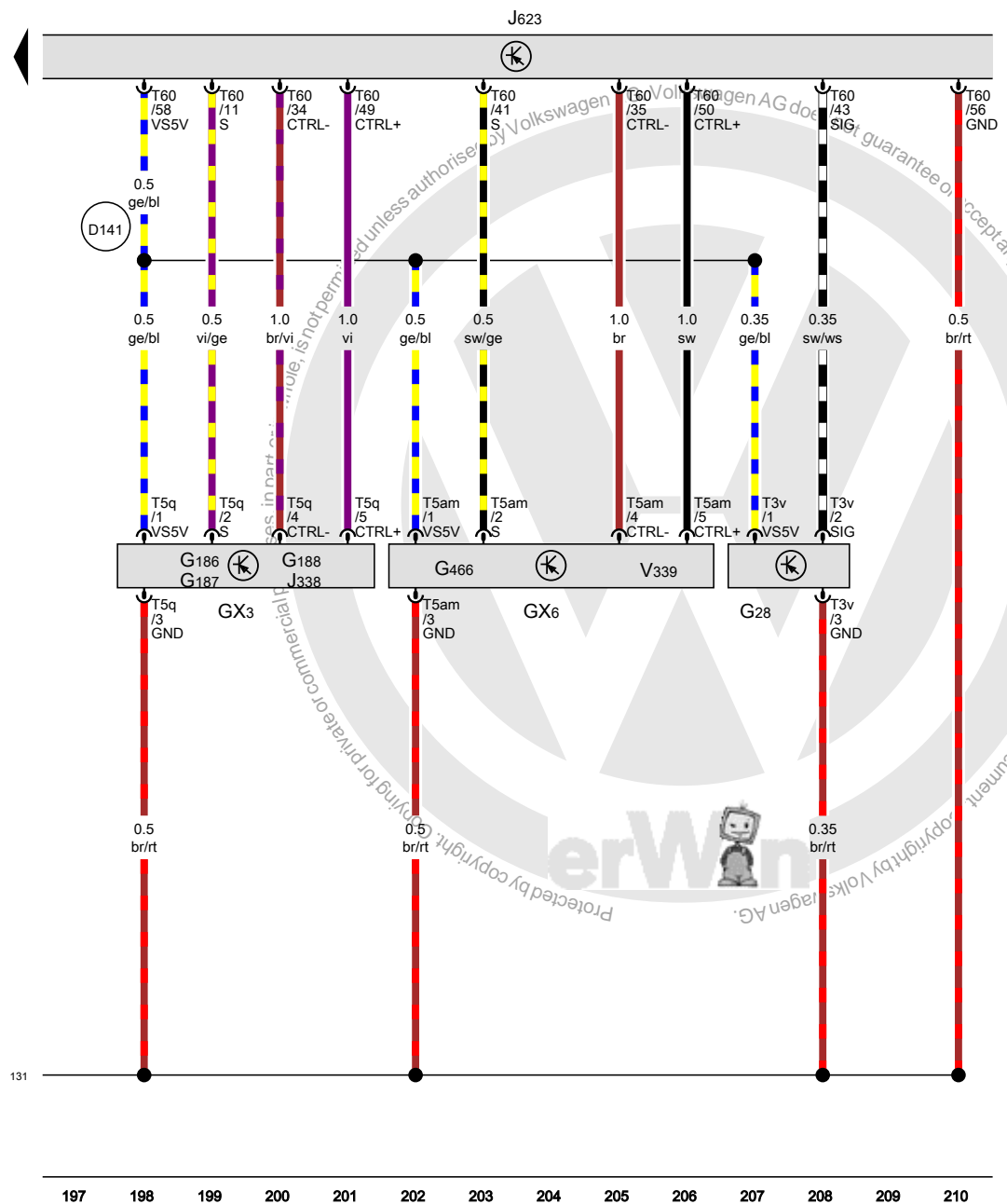
- G40 Hall sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bv 3-pin connector, brown
- T3bw 3-pin connector, black
- T60 60-pin connector, black

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D174 Connection 2 (5V) in engine prewiring harness

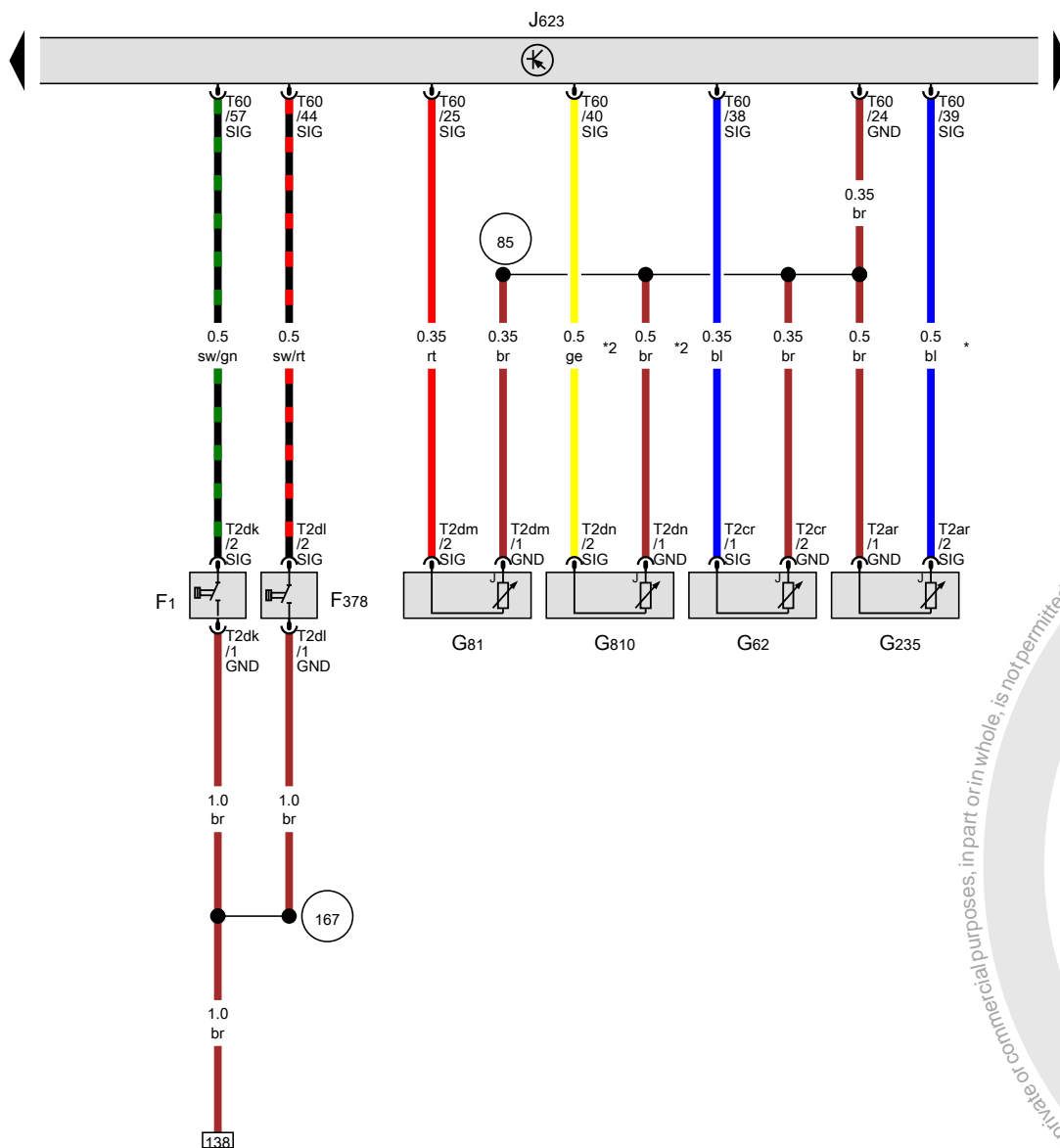


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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Exhaust gas recirculation valve 2, Engine speed sender, Engine/motor control unit



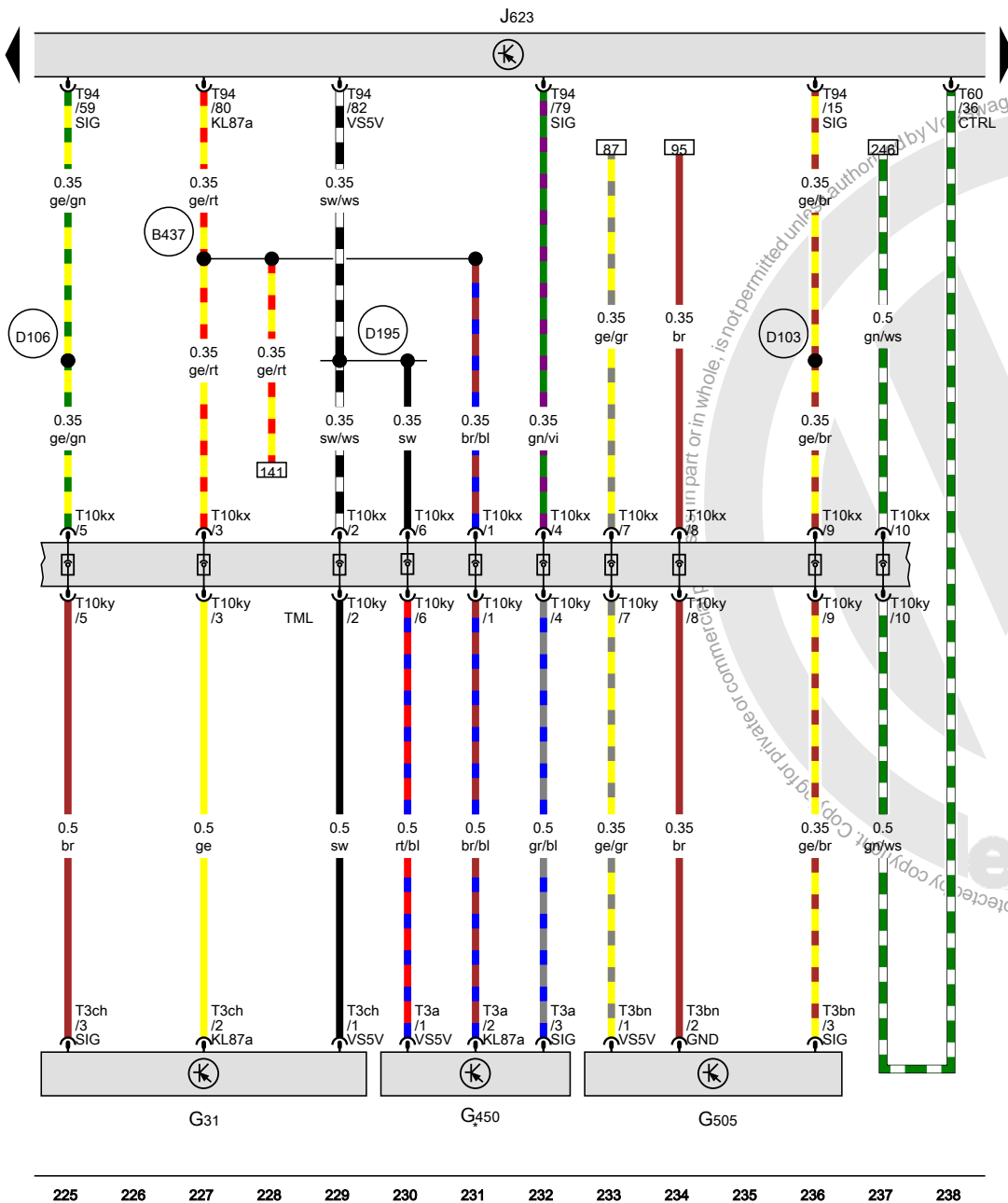
- GX3 Throttle valve module
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G466 Exhaust gas recirculation potentiometer 2
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3v 3-pin connector, black
- T5am 5-pin connector, black
- T5q 5-pin connector, black
- T60 60-pin connector, black
- V339 Exhaust gas recirculation control motor 2
- 131 Earth connection 2, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness



Oil pressure switch, Oil pressure switch for reduced oil pressure, Coolant temperature sender, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender before charge air cooler, Engine/motor control unit

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G62 Coolant temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G810 Charge air temperature sender before charge air cooler
- J623 Engine/motor control unit
- T2ar 2-pin connector, black
- T2cr 2-pin connector, black
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T2dm 2-pin connector, yellow
- T2dn 2-pin connector, black
- T60 60-pin connector, black
- 85 Earth connection 1, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- * Different wire colour possible
- *2 Cross section depends on equipment

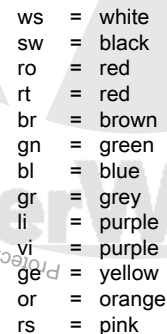
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 lk = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Charge pressure sender, Pressure differential sender, Engine/motor control unit

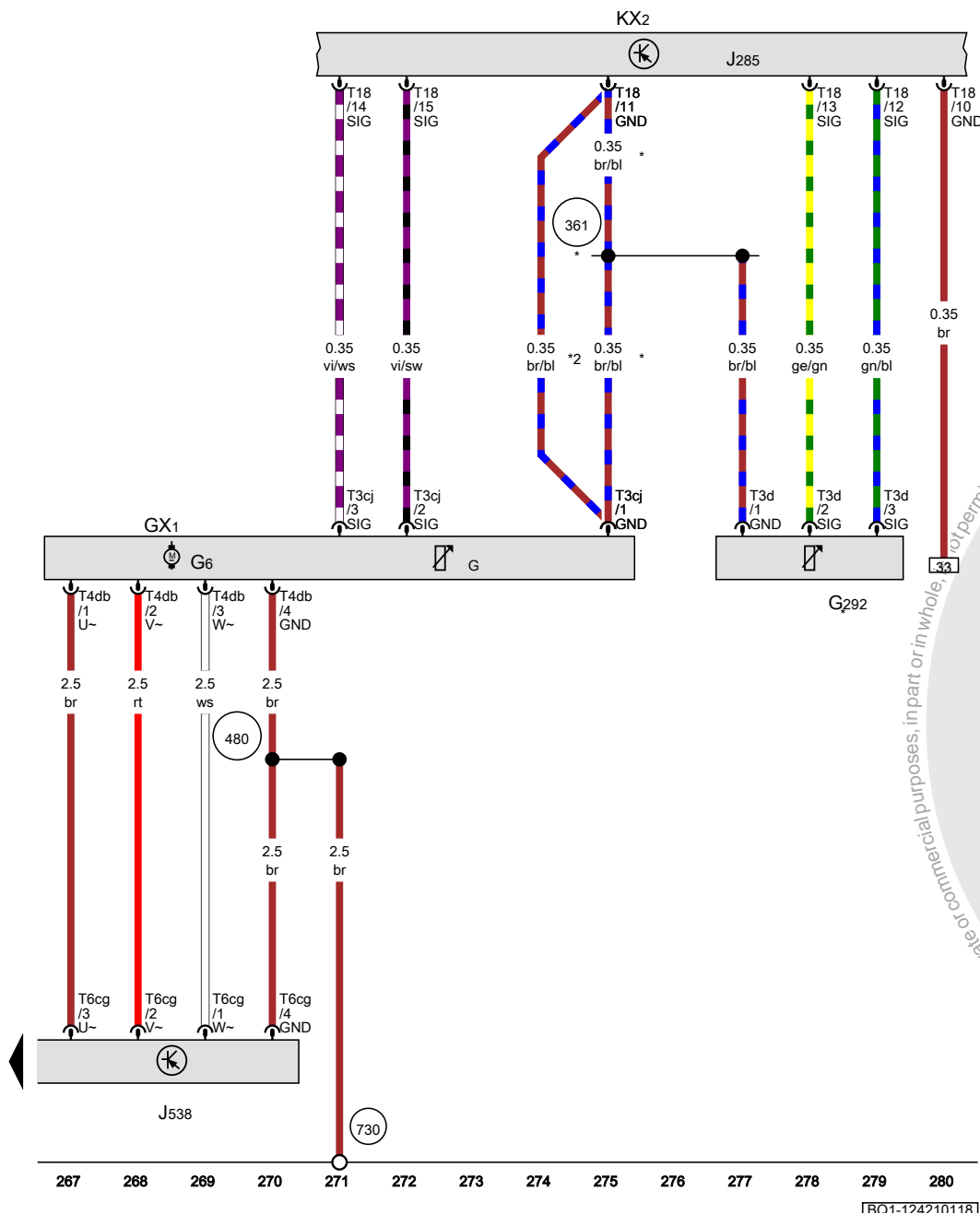
- G31 Charge pressure sender
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine/motor control unit
- T3a 3-pin connector, black
- T3bn 3-pin connector, black
- T3ch 3-pin connector, black
- T10kx 10-pin connector, black
- T10ky 10-pin connector, black
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- B437 Connection 1 (GND (earth)), in main wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



85	Earth connection 1, in engine compartment wiring harness
673	Earth point 3 on front of left longitudinal member
A227	Connection 2 (LIN bus) in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B384	Connection 2 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
B391	Connection 2 (powertrain CAN bus, low), in main wiring harness
*	According to equipment

Fuel delivery unit, Fuel gauge sender for auxiliary fuel tank,
Control unit in dash panel insert, Fuel pump control unit,
Dash panel insert

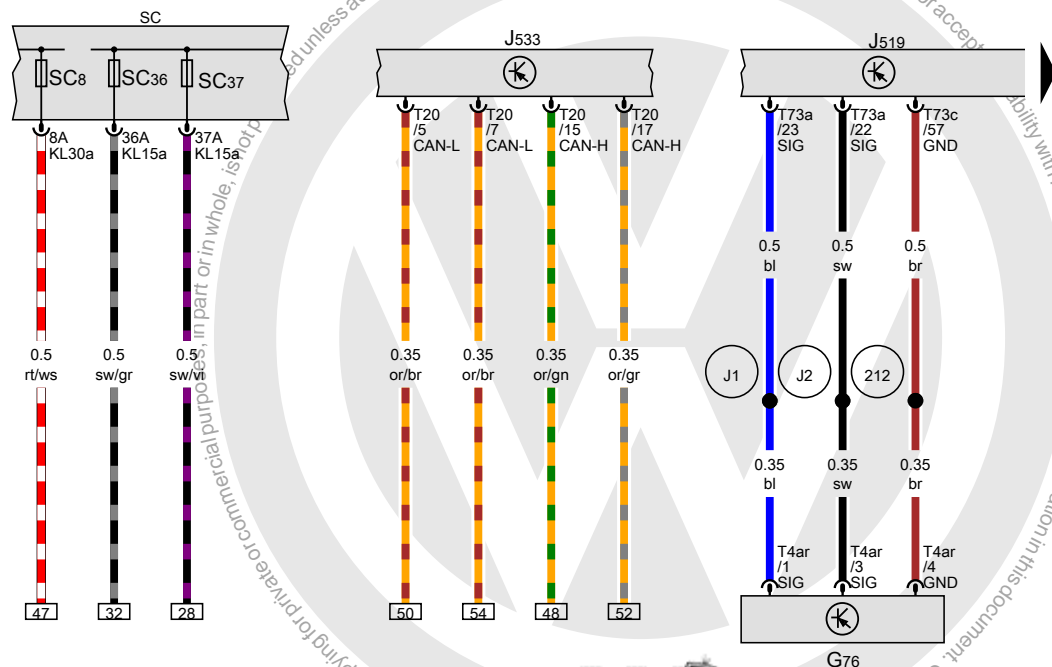


- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G292 Fuel gauge sender for auxiliary fuel tank
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T3d 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- * For models with all-wheel drive
- *2 For models with no all-wheel drive

LED headlights , (8IT),(8IU),(8IX)

From November 2016

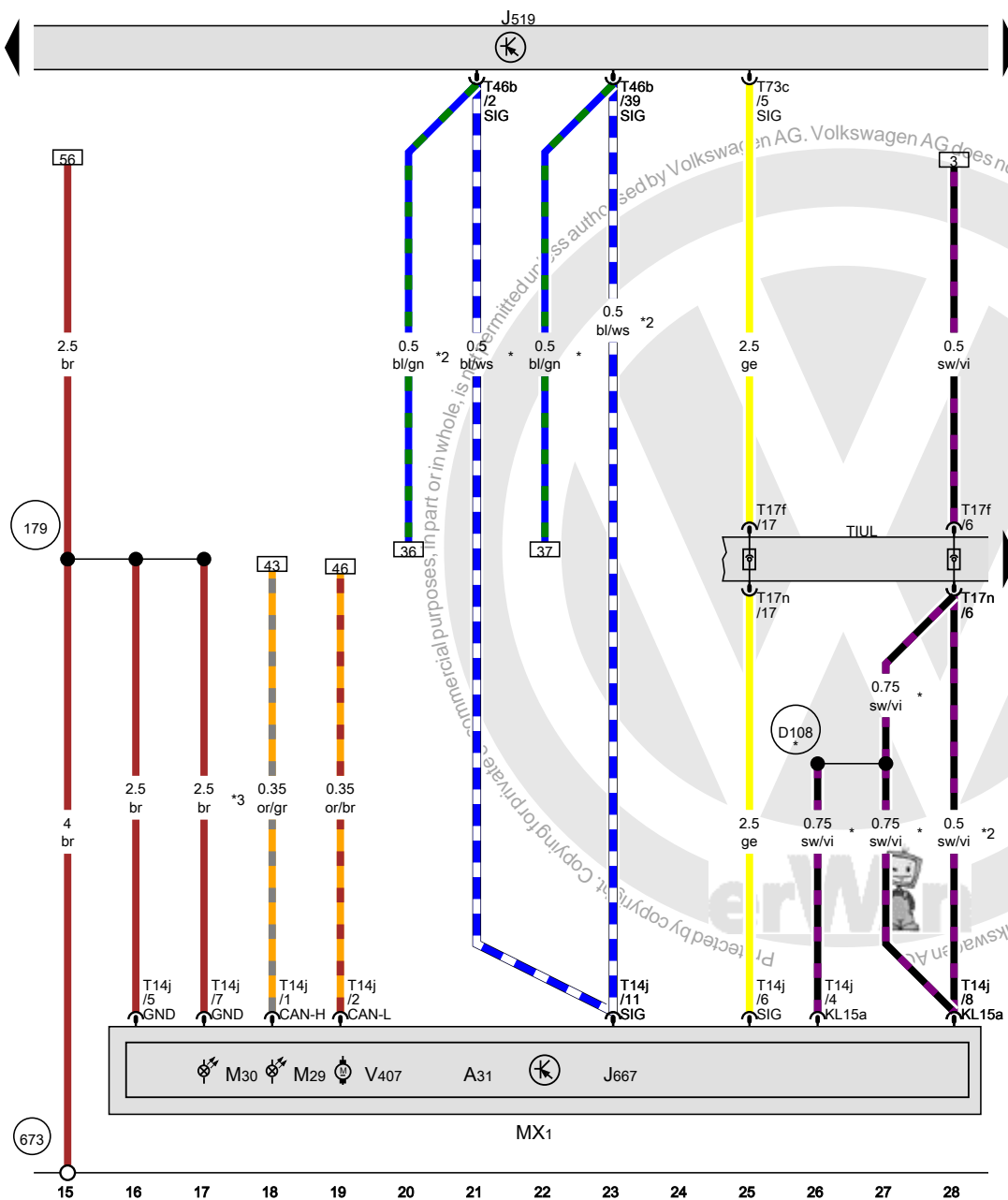




Rear left vehicle level sender, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C

- G76 Rear left vehicle level sender
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC Fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T4ar 4-pin connector, black
- T20 20-pin connector, red
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- 212 Earth connection 2, in ABS wiring harness
- J1 Positive connection (30), in ABS wiring harness
- J2 Positive connection (15), in ABS wiring harness

Onboard supply control unit, Front left headlight

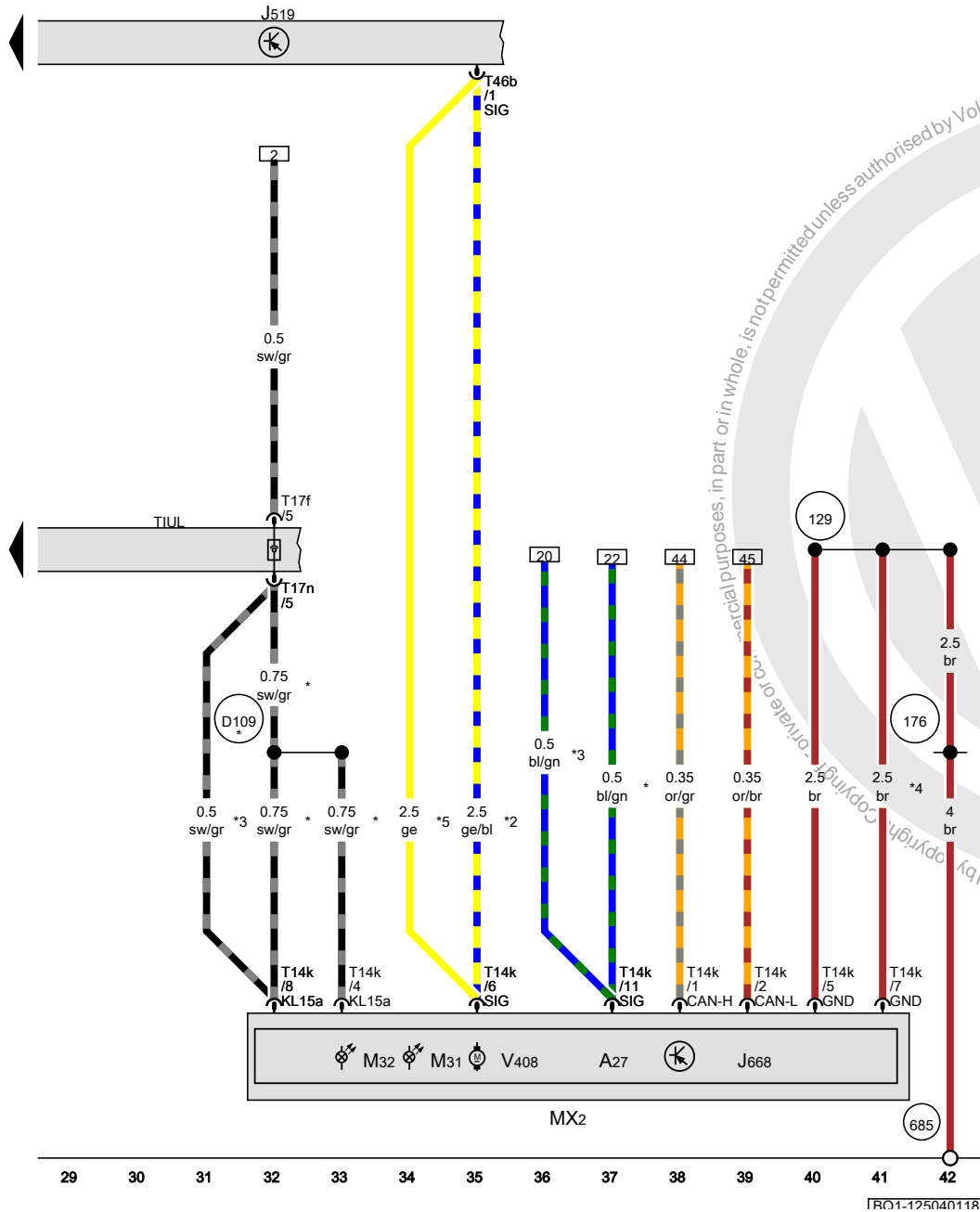


- A31 Output module 1 for left LED headlight
- J519 Onboard supply control unit
- J667 Output module for left headlight
- MX1 Front left headlight
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T14j 14-pin connector, black
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T46b 46-pin connector, black
- T73c 73-pin connector, black
- TIUL Coupling point in interior, below left
- V407 Left headlight fan

- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D108 Connection 6 in engine compartment wiring harness
- * For models with automatic headlight control
- *2 According to equipment
- *3 Cross section depends on equipment

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Front right headlight



- A27 Output module 1 for right LED headlight
- J519 Onboard supply control unit
- J668 Output module for right headlight
- MX2 Front right headlight
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T14k 14-pin connector, black
- T17f 17-pin connector, red
- T17n 17-pin connector, red
- T46b 46-pin connector, black
- TIUL Coupling point in interior, below left
- V408 Right headlight fan
- 129 Earth connection, in dual tone horn wiring harness
- 176 Earth connection, in right headlight wiring harness
- 685 Earth point 1, on front of right longitudinal member
- D109 Connection 7 in engine compartment wiring harness
- * For models with automatic headlight control
- *2 Up to May 2017
- *3 According to equipment
- *4 Cross section depends on equipment
- *5 From May 2017

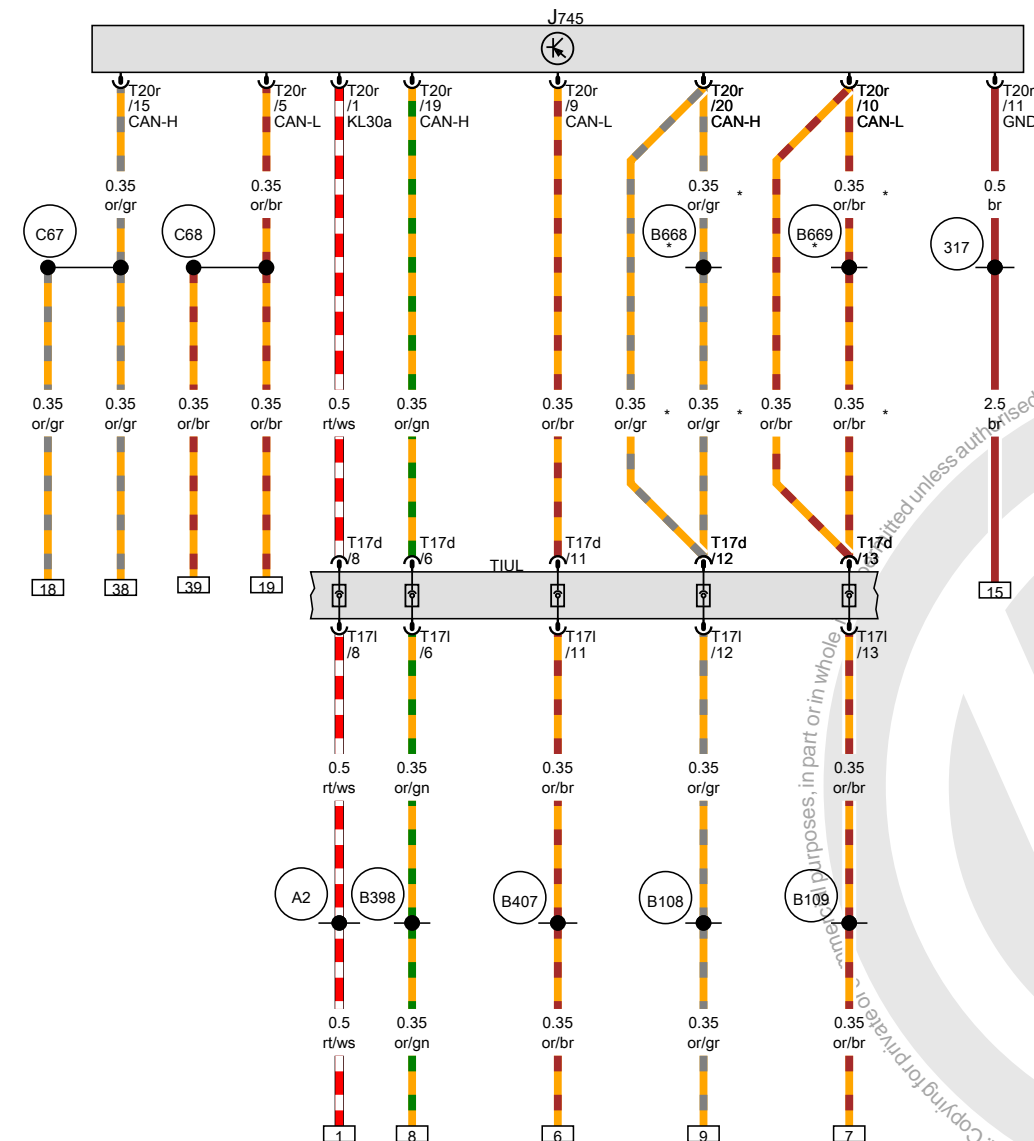
ws = white
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 bl = blue
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 rs = pink

Control unit for cornering light and headlight range control

J745 Control unit for cornering light and headlight range control
 T17d 17-pin connector, black
 T17l 17-pin connector, black
 T20r 20-pin connector, brown
 TIUL Coupling point in interior, below left

- 317 Earth connection 7, in engine compartment wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- B108 Connection 1 (CAN bus extended high), in main wiring harness
- B109 Connection 1 (CAN bus extended low), in main wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B668 Connection 2 (CAN bus extended high), in main wiring harness
- B669 Connection 2 (CAN bus extended low), in main wiring harness
- C67 Connection (CAN bus, high), in headlight wiring harness
- C68 Connection (CAN bus, low), in headlight wiring harness
- * According to equipment

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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
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 vi = purple
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Tail light cluster with LED , (8SK),(8SP),(8SQ)

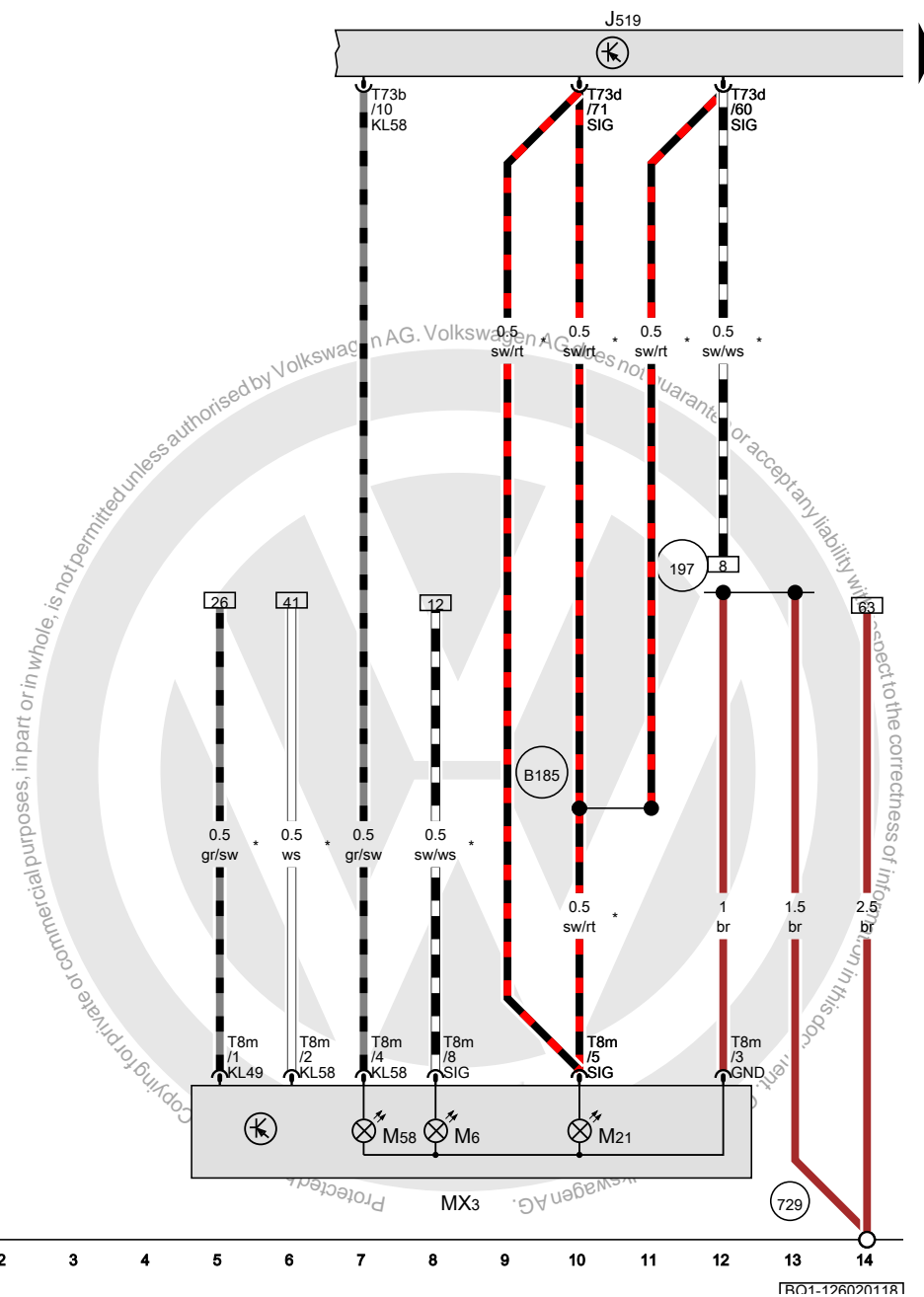
From November 2016



Onboard supply control unit, Left tail light

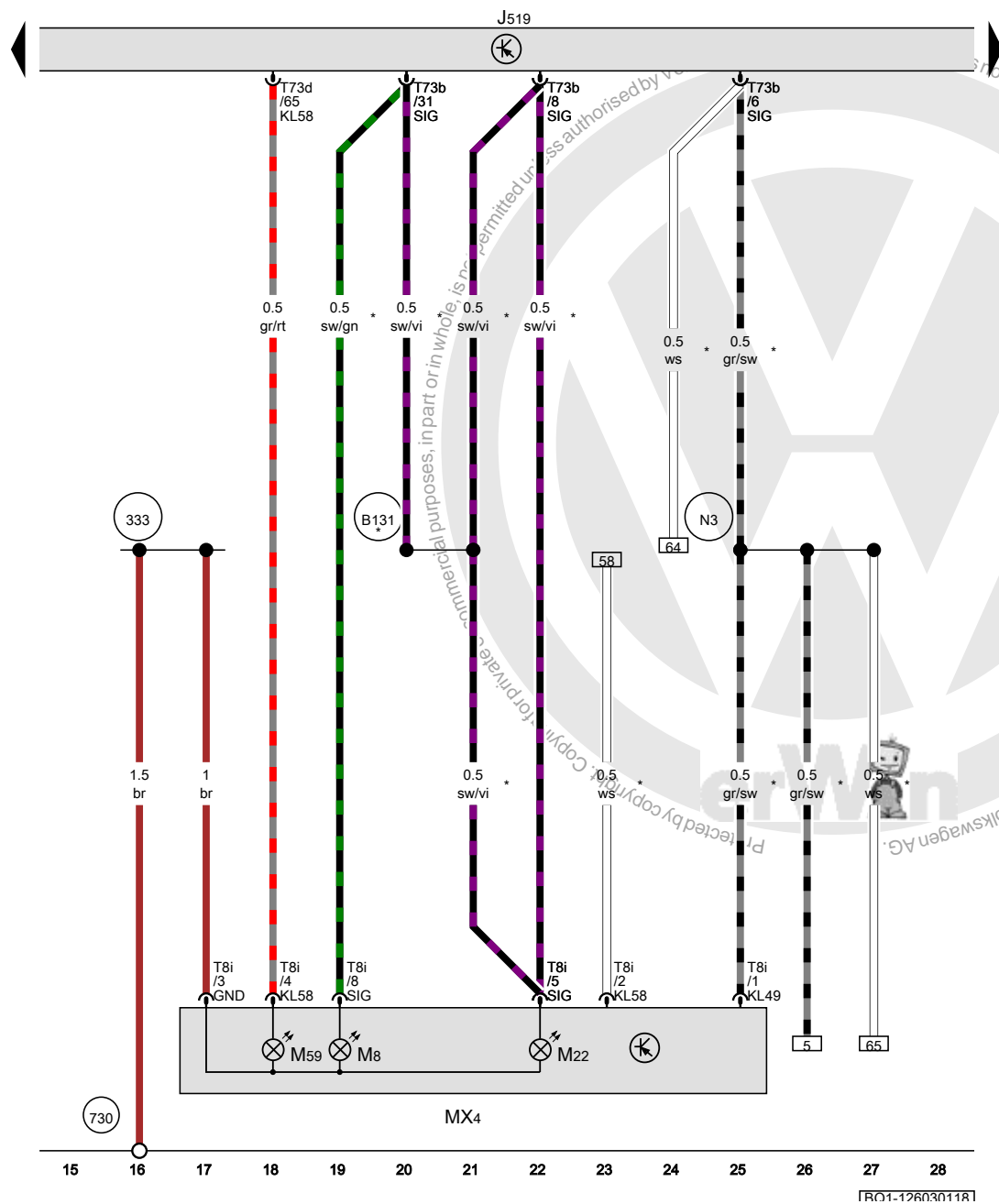
- J519 Onboard supply control unit
- MX3 Left tail light
- M6 Rear left turn signal bulb
- M21 Left brake and tail light bulb
- M58 Left brake and tail light bulb 2
- T8m 8-pin connector, black
- T73b 73-pin connector, black
- T73d 73-pin connector, black

- 197 Earth connection 4, in rear wiring harness
- 729 Earth point, on left rear wheel housing
- B185 Connection 2 (54), in interior wiring harness
- * According to equipment

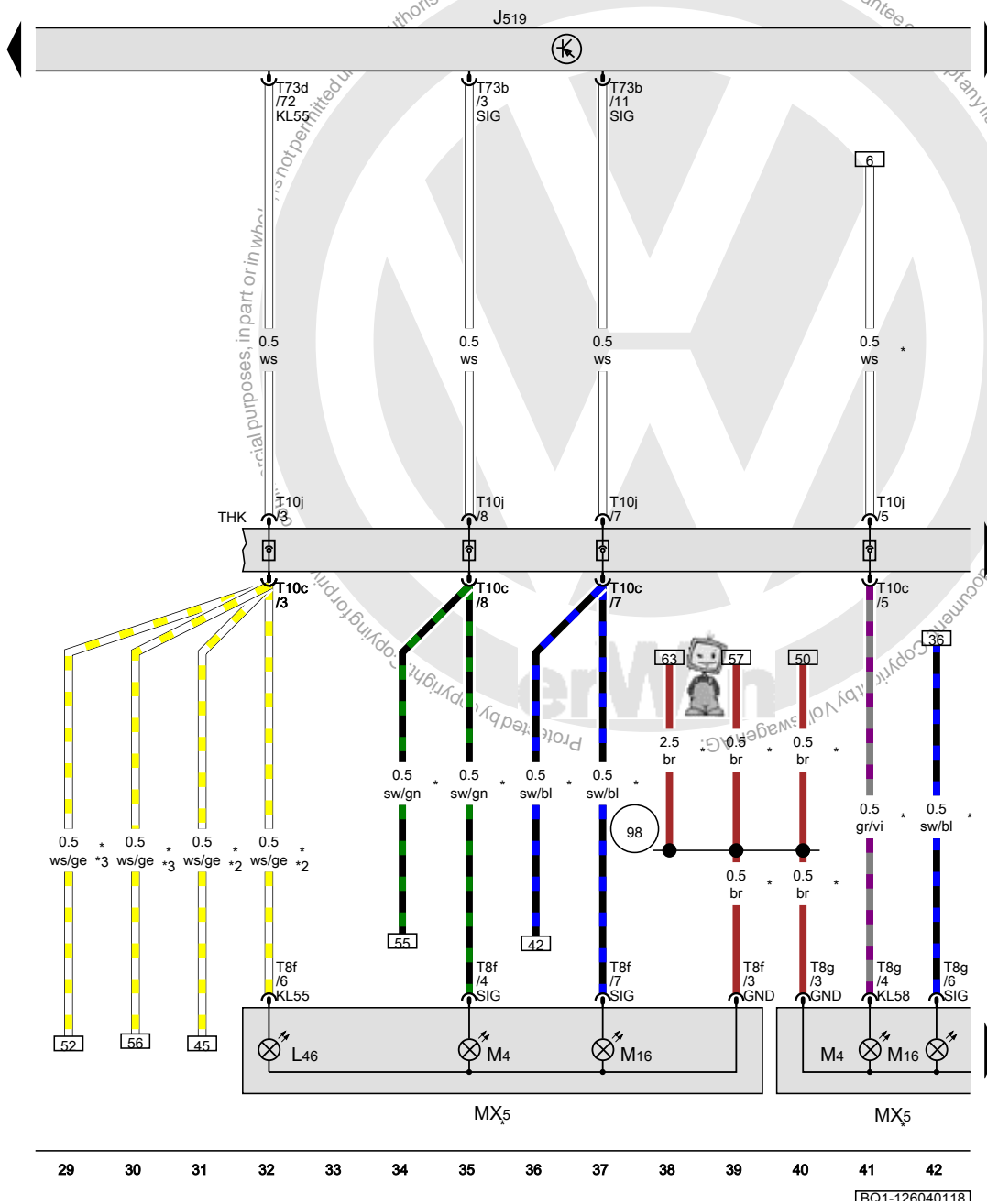


- ws = white
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- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Right tail light



- J519 Onboard supply control unit
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M22 Right brake and tail light bulb
- M59 Right brake and tail light bulb 2
- T8i 8-pin connector, black
- T73b 73-pin connector, black
- T73d 73-pin connector, black
- 333 Earth connection 5, in rear wiring harness
- 730 Earth point 1, on right rear wheel housing
- B131 Connection (54), in interior wiring harness
- N3 Connection 2, in headlight range control wiring harness
- * According to equipment



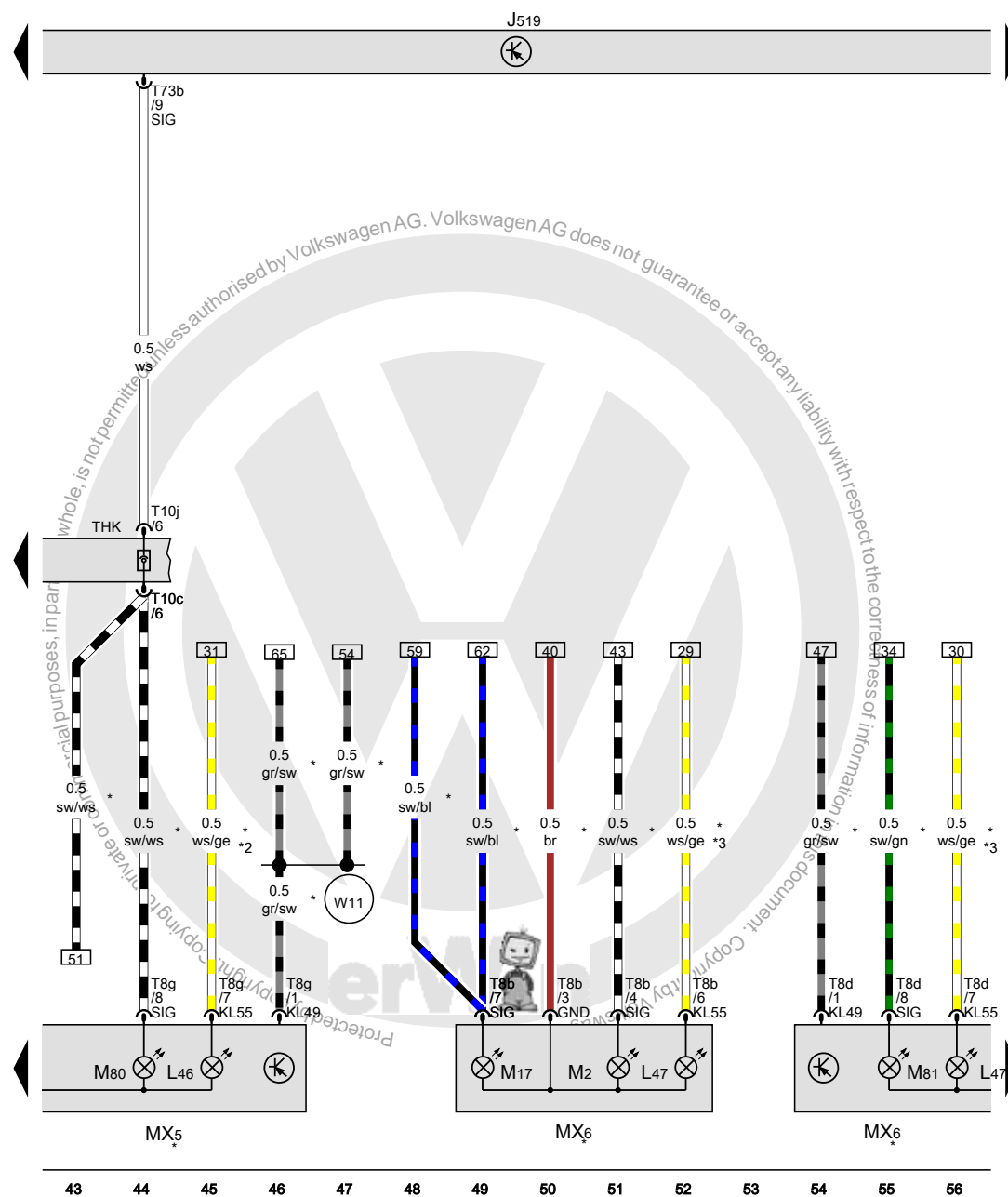
Onboard supply control unit, Left tail light 2

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M4 Left tail light bulb
- MX5 Left tail light 2
- M16 Left reversing light bulb
- T8f 8-pin connector, brown
- T8g 8-pin connector, blue
- T10c 10-pin connector, black
- T10j 10-pin connector, black
- T73b 73-pin connector, black
- T73d 73-pin connector, black
- THK Coupling point for rear lid

98 Earth connection, in rear lid wiring harness

- * According to equipment
- *2 For left-hand drive models
- *3 For right-hand drive models

Onboard supply control unit, Left tail light 2, Right tail light 2



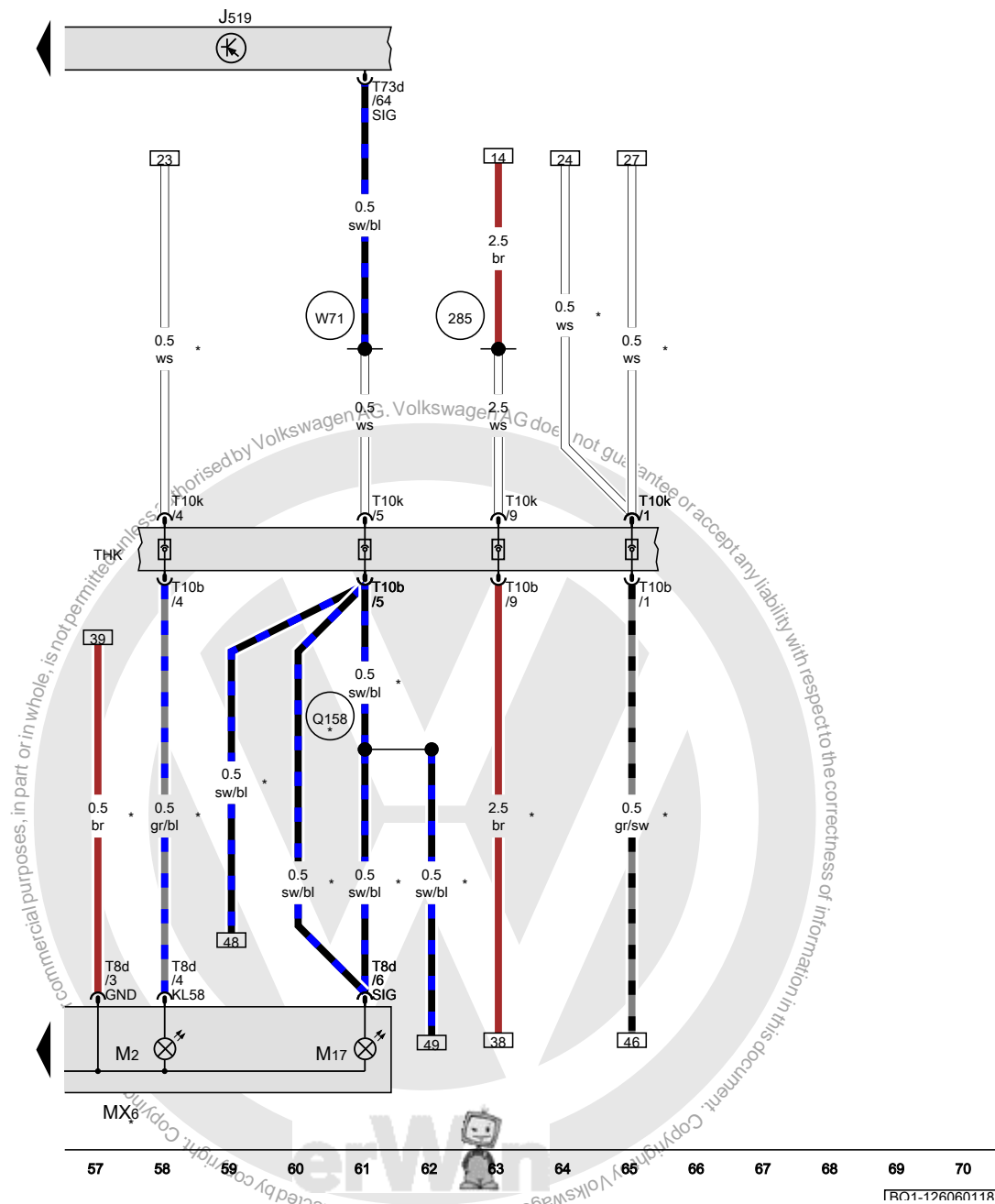
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- MX5 Left tail light 2
- MX6 Right tail light 2
- M17 Right reversing light bulb
- M80 Bulb 2 for rear left turn signal
- M81 Bulb 2 for rear right turn signal
- T8b 8-pin connector, brown
- T8d 8-pin connector, green
- T8g 8-pin connector, blue
- T10c 10-pin connector, black
- T10j 10-pin connector, black
- T73b 73-pin connector, black
- THK Coupling point for rear lid
- W11 Connection (58), in rear lid wiring harness
- * According to equipment
- *2 For left-hand drive models
- *3 For right-hand drive models

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 sw = black
 ro = red
 rt = red
 br = brown
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 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Onboard supply control unit, Right tail light 2

- J519 Onboard supply control unit
M2 Right tail light bulb
MX6 Right tail light 2
M17 Right reversing light bulb
T8d 8-pin connector, green
T10b 10-pin connector, brown
T10k 10-pin connector, brown
T73d 73-pin connector, black
THK Coupling point for rear lid
- 285 Earth connection 7, in interior wiring harness
- Q158 Connection (RL) in rear lid wiring harness
- W71 Connection (reversing light), in rear wiring harness
- * According to equipment

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gr = grey
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or = orange
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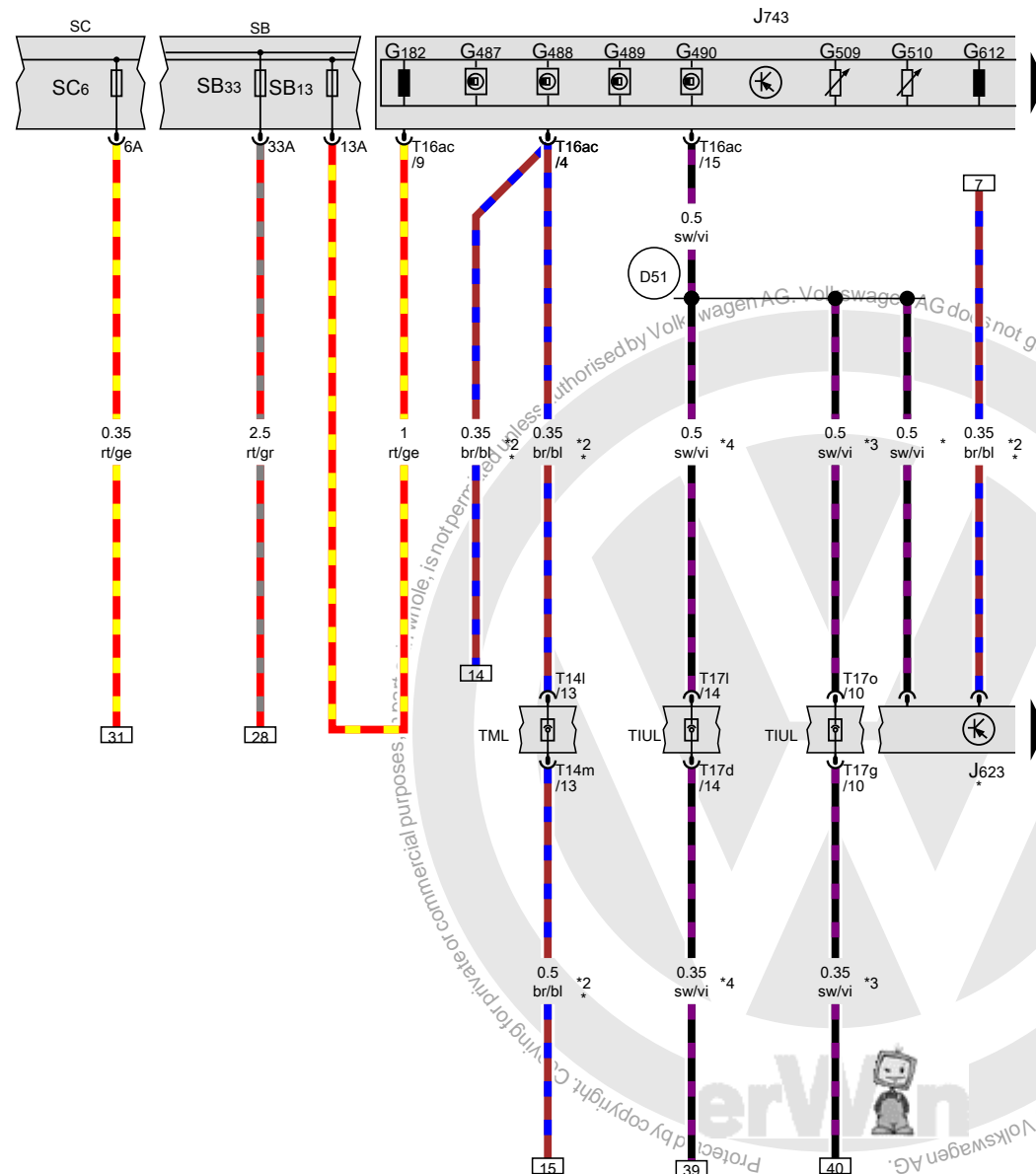


Dual clutch gearbox (DSG) , (0IJ)

From November 2016

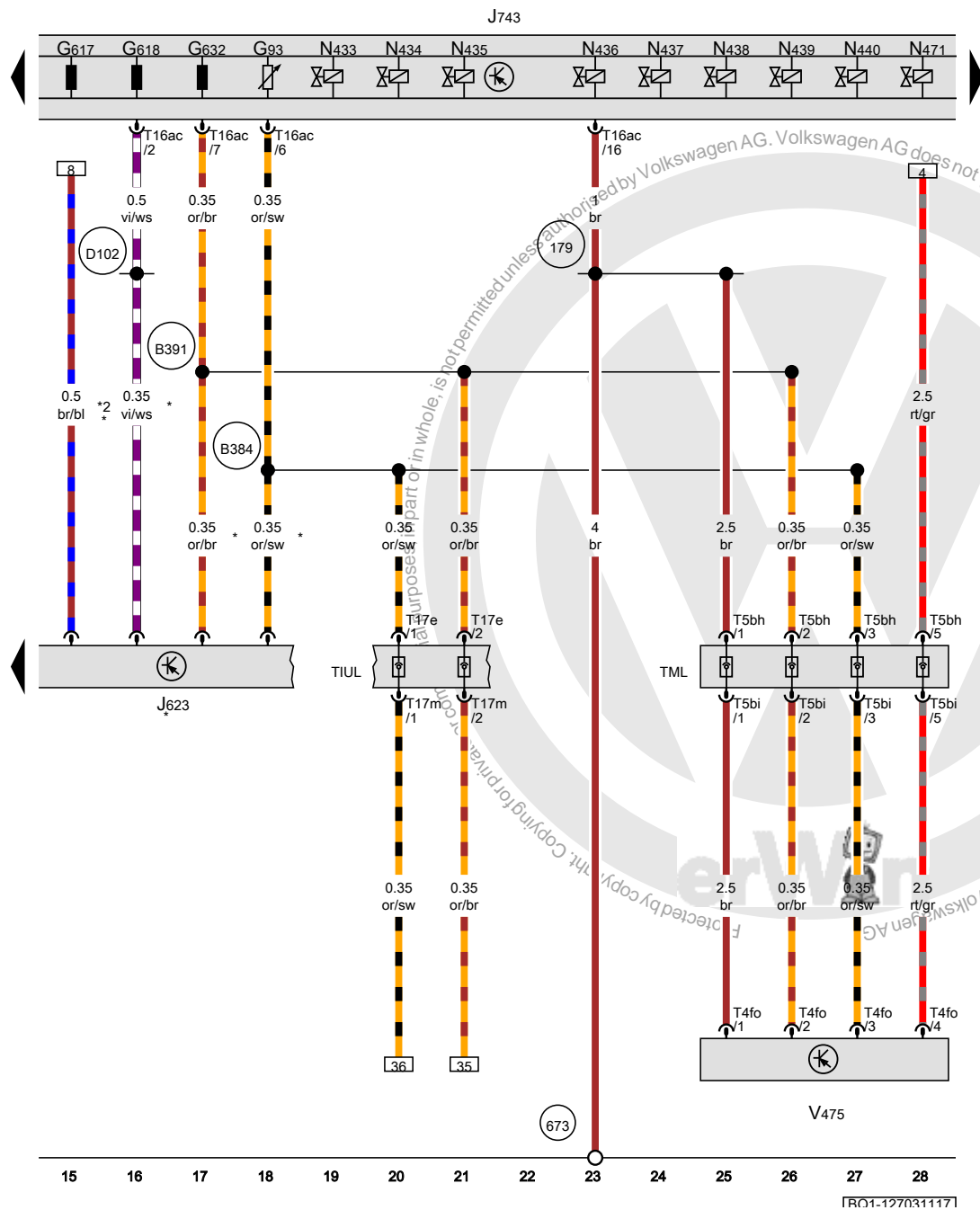


Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Fuse holder B, Fuse holder C



- G182 Gearbox input speed sender
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G509 Clutch temperature sender
- G510 Temperature sender in control unit
- G612 Gearbox input speed sender 2
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- SB Fuse holder B
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SB33 Fuse 33 on fuse holder B
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T16ac 16-pin connector, black
- T17d 17-pin connector, black
- T17g 17-pin connector, blue
- T17l 17-pin connector, black
- T17o 17-pin connector, blue
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 Up to November 2017
- *4 From November 2017

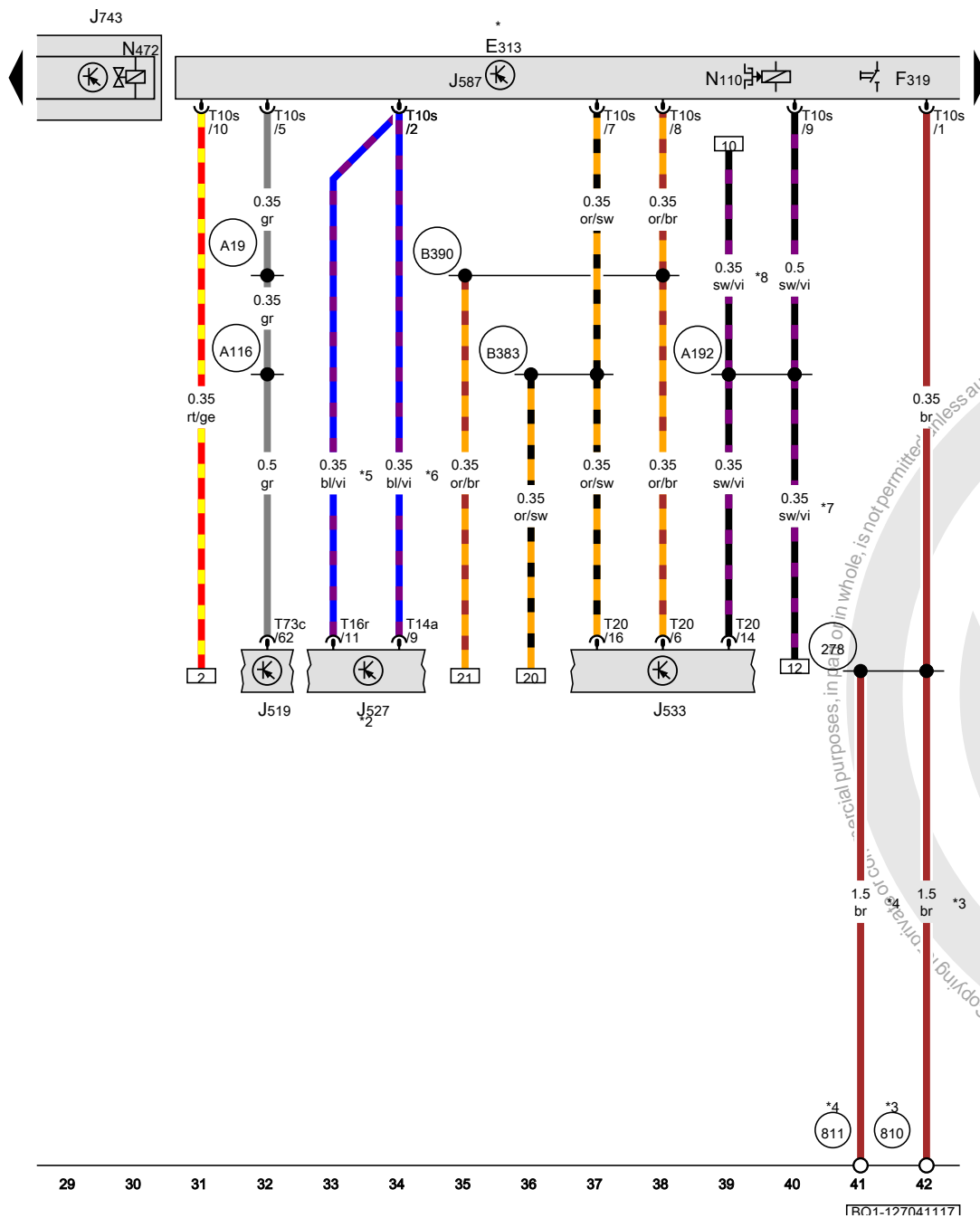
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- gr = grey
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- ge = yellow
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- rs = pink



Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Auxiliary hydraulic pump 1 for gearbox oil

- G93 Gearbox oil temperature sender
- G617 Clutch travel sender 1
- G618 Clutch travel sender 2
- G632 Gearbox input speed sender 1
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- N433 Valve 1 in gear train half 1
- N434 Valve 2 in gear train half 1
- N435 Valve 3 in gear train half 1
- N436 Valve 4 in gear train half 1
- N437 Valve 1 in gear train half 2
- N438 Valve 2 in gear train half 2
- N439 Valve 3 in gear train half 2
- N440 Valve 4 in gear train half 2
- N471 Cooling oil valve
- T4fo 4-pin connector, black
- T5bh 5-pin connector, black
- T5bi 5-pin connector, black
- T16ac 16-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V475 Auxiliary hydraulic pump 1 for gearbox oil

- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 According to equipment



Selector lever, Selector lever locked in position P switch, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Mechatronic unit for dual clutch gearbox, Selector lever lock solenoid

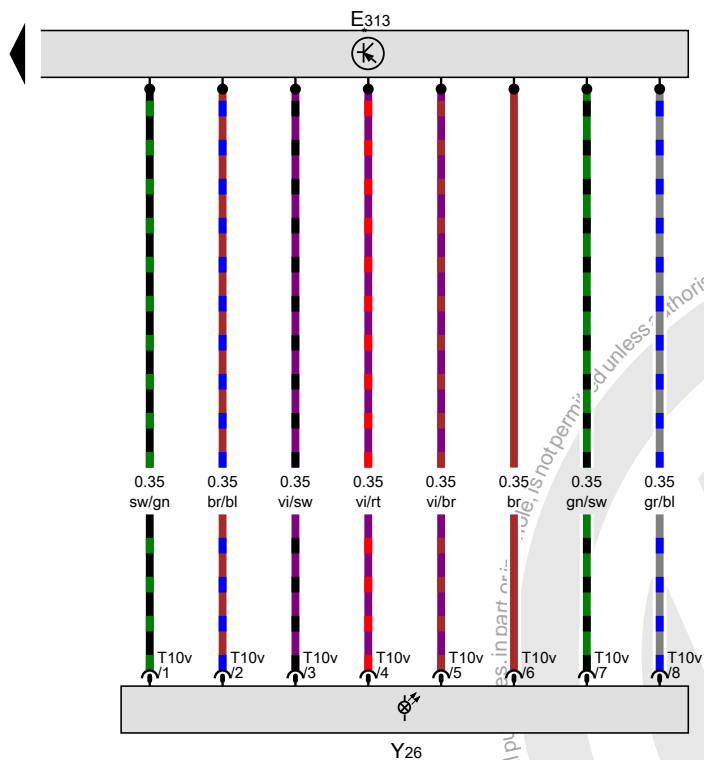
- E313 Selector lever
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- N110 Selector lever lock solenoid
- N472 Main pressure valve
- T10s 10-pin connector, black
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T20 20-pin connector, red
- T73c 73-pin connector, black
- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

- * Pre-wired component
- *2 see applicable current flow diagram
- *3 For left-hand drive models
- *4 For right-hand drive models
- *5 For models with no heated steering wheel
- *6 For models with heated steering wheel
- *7 Up to November 2017
- *8 From November 2017

Selector lever, Selector lever position display

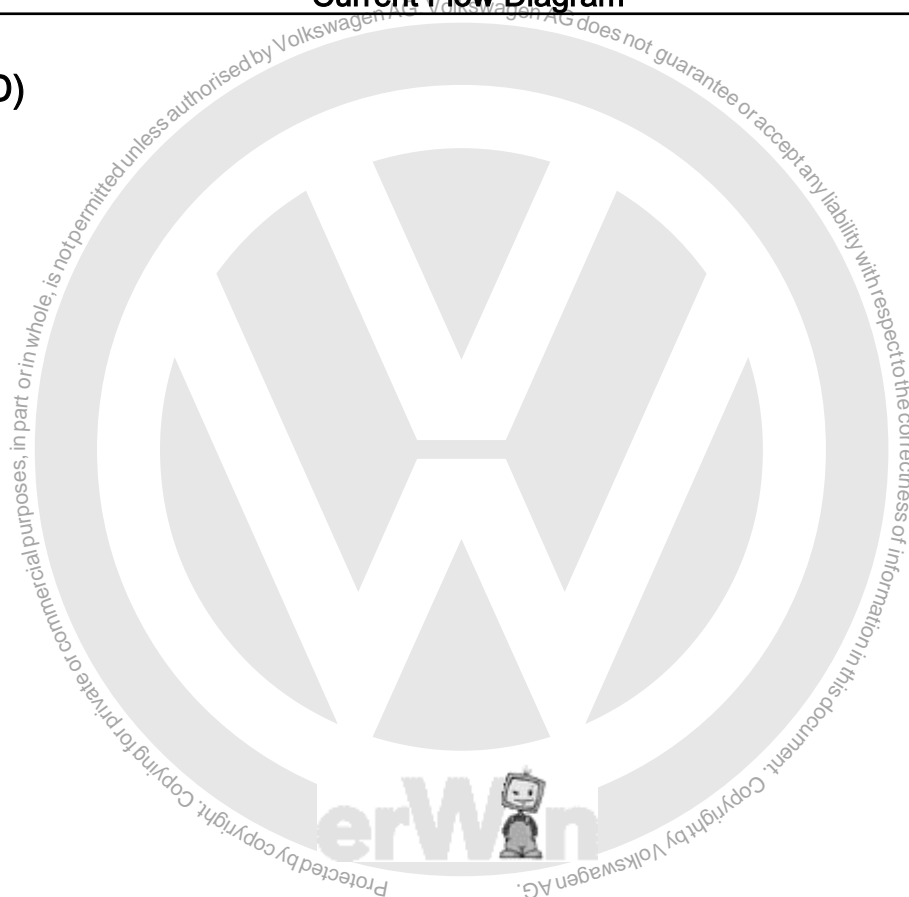
- E313 Selector lever
T10v 10-pin connector, black
Y26 Selector lever position display
* Pre-wired component

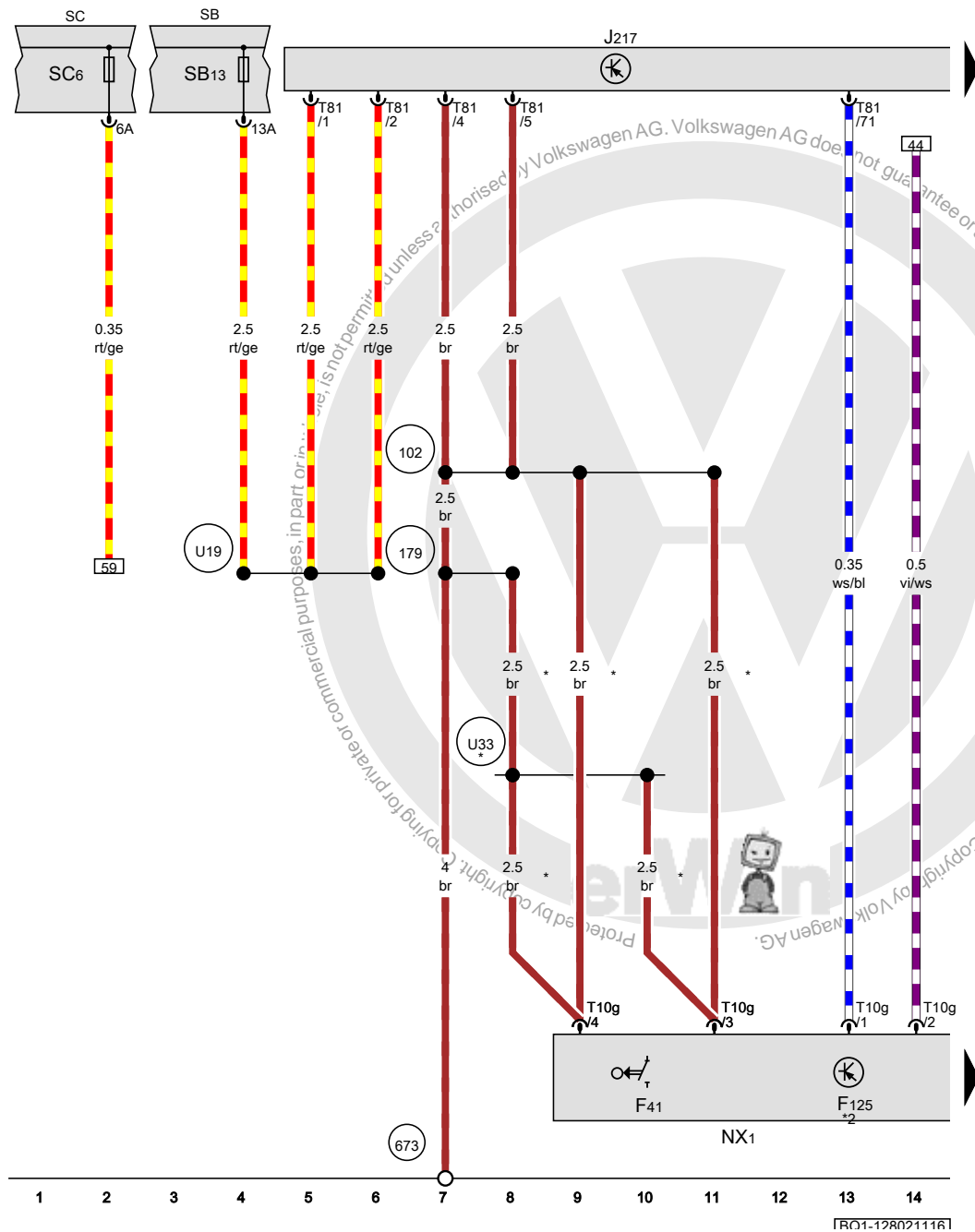


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6-speed automatic gearbox , (01D)

From November 2016

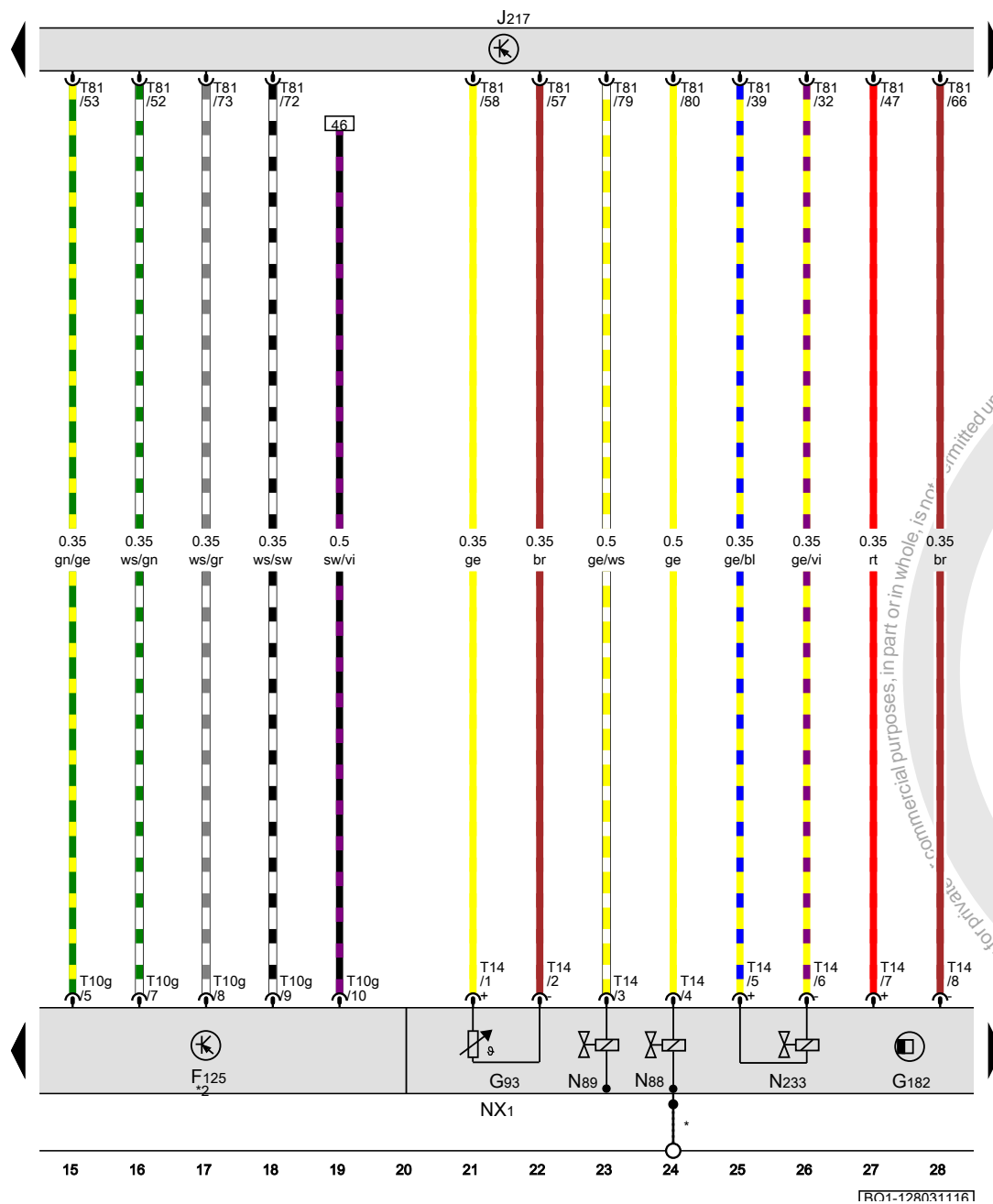




Multifunction switch, Automatic gearbox control unit,
Gearbox, Fuse holder B, Fuse holder C

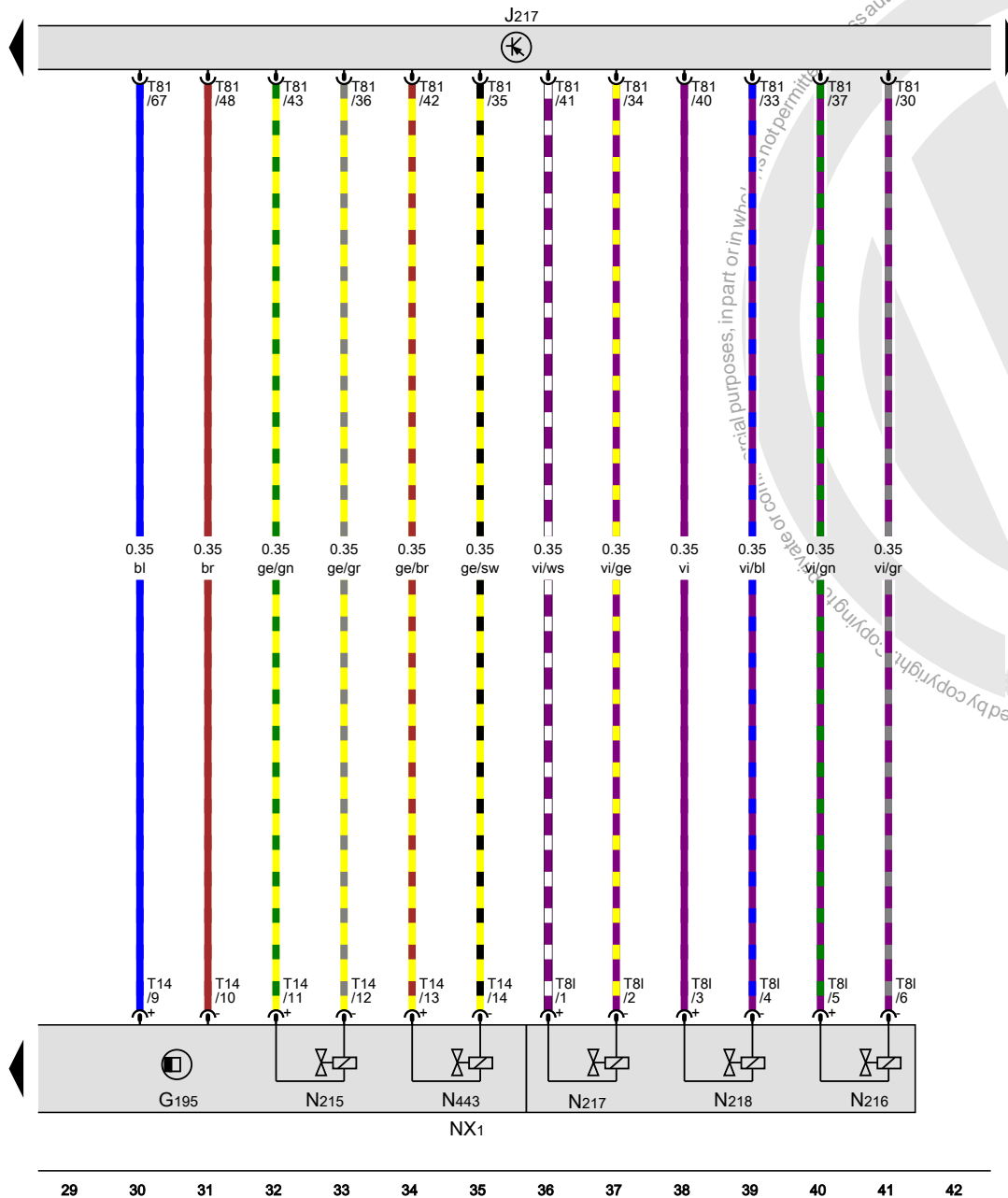
- F41 Reversing switch
- F125 Multifunction switch
- J217 Automatic gearbox control unit
- NX1 Gearbox
- SB Fuse holder B
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SB13 Fuse 13 on fuse holder B
- T10g 10-pin connector, black
- T81 81-pin connector, black

- 102 Earth connection, in gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 673 Earth point 3, on front of left longitudinal member
- U19 Positive connection 2 (30a) in automatic gearbox wiring harness
- U33 Connection 10, in automatic gearbox wiring harness
- * According to equipment
- *2 Pre-wired component



Multifunction switch, Gearbox oil temperature sender, Gearbox input speed sender, Automatic gearbox control unit, Gearbox, Solenoid valve 2, Automatic gearbox pressure regulating valve 5

- F125 Multifunction switch
- G93 Gearbox oil temperature sender
- G182 Gearbox input speed sender
- J217 Automatic gearbox control unit
- NX1 Gearbox
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N233 Automatic gearbox pressure regulating valve 5
- T10g 10-pin connector, black
- T14 14-pin connector, black
- T81 81-pin connector, black
- * Earth supply via housing
- *2 Pre-wired component



Gearbox output speed sender, Automatic gearbox control unit, Gearbox, Automatic gearbox pressure regulating valve 1, Automatic gearbox pressure regulating valve 2, Automatic gearbox pressure regulating valve 4, Automatic gearbox pressure regulating valve 7

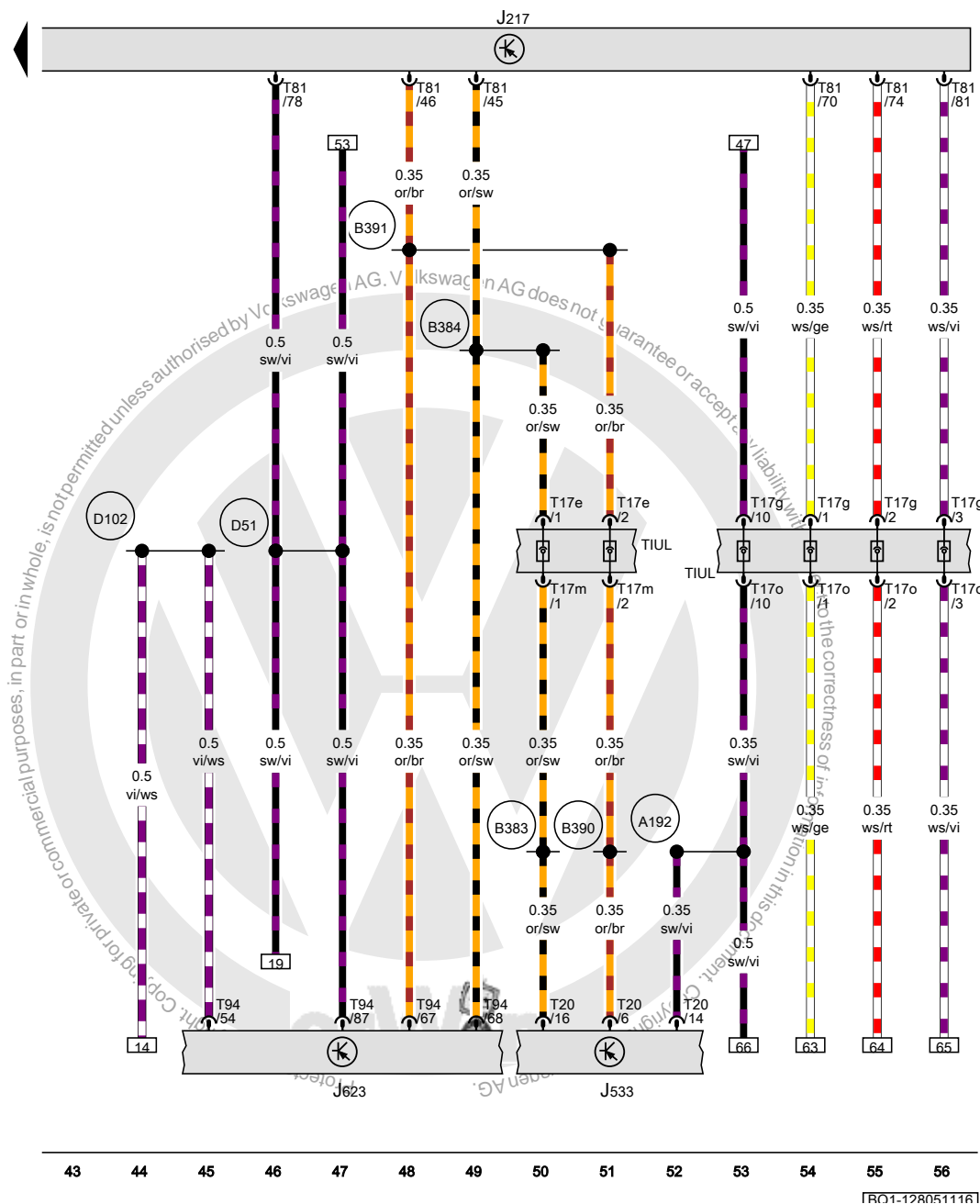
- G195 Gearbox output speed sender
- J217 Automatic gearbox control unit
- NX1 Gearbox
- N215 Automatic gearbox pressure regulating valve 1
- N216 Automatic gearbox pressure regulating valve 2
- N217 Automatic gearbox pressure regulating valve 3
- N218 Automatic gearbox pressure regulating valve 4
- N443 Automatic gearbox pressure regulating valve 7
- T81 8-pin connector, black
- T14 14-pin connector, black
- T81 81-pin connector, black

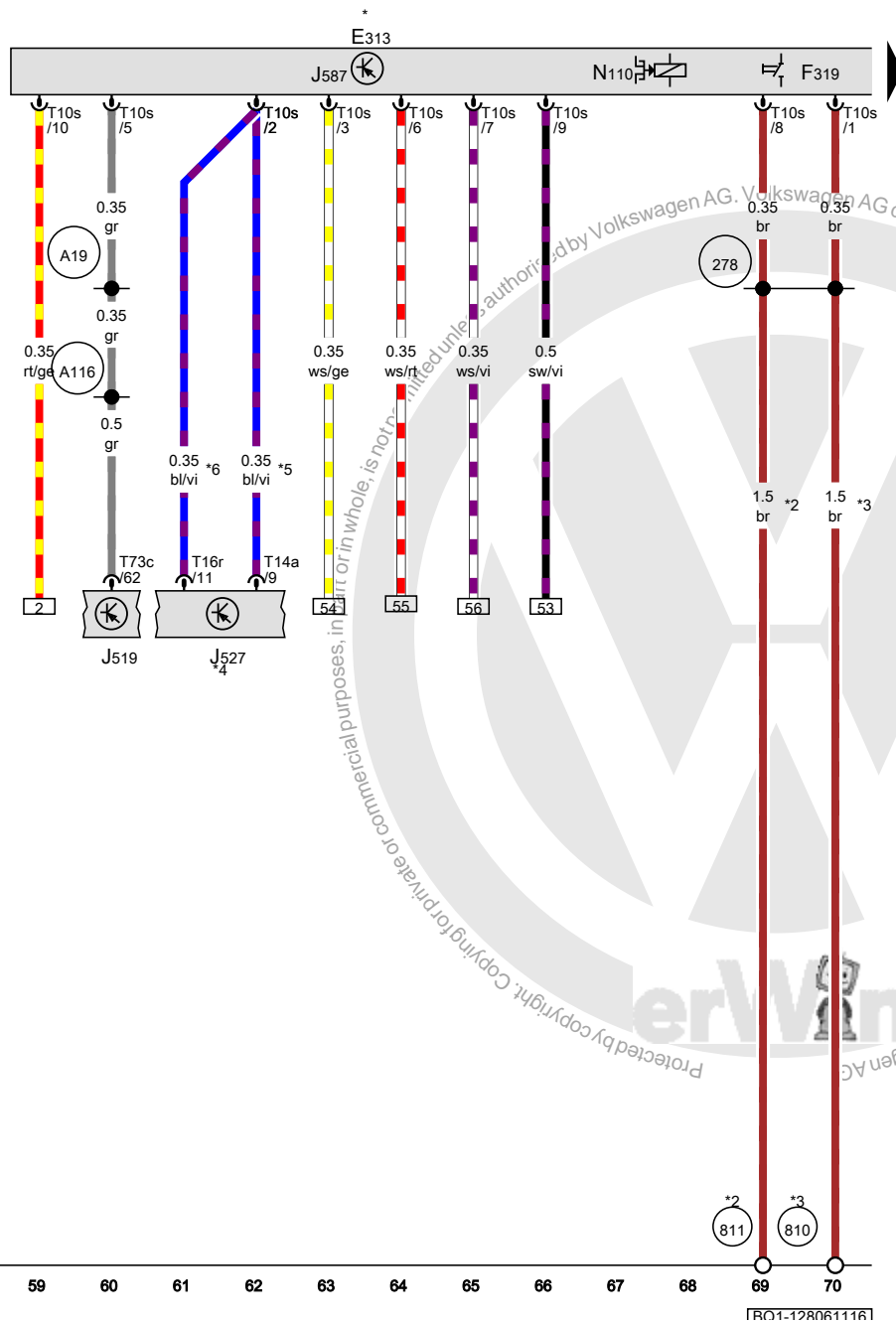
Automatic gearbox control unit, Data bus diagnostic interface, Engine control unit

- J217 Automatic gearbox control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T17e 17-pin connector, brown
- T17g 17-pin connector, blue
- T17m 17-pin connector, brown
- T17o 17-pin connector, blue
- T20 20-pin connector, red
- T81 81-pin connector, black
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left

- A192 Positive connection 3 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

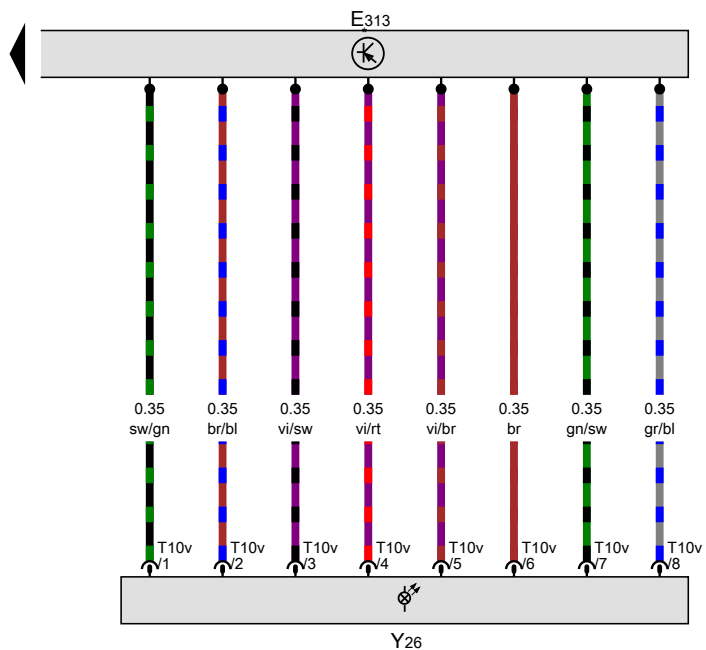




Selector lever, Selector lever locked in position P switch, Onboard supply control unit, Steering column electronics control unit, Selector lever lock solenoid

- E313 Selector lever
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J587 Selector lever sensors control unit
- N110 Selector lever lock solenoid
- T10s 10-pin connector, black
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T73c 73-pin connector, black

- 278 Earth connection 4, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * Pre-wired component
- *2 Only right-hand drive models
- *3 Only left-hand drive models
- *4 see applicable current flow diagram
- *5 Only models with heated steering wheel
- *6 Only models with no heated steering wheel



Selector lever, Selector lever position display

- E313 Selector lever
- T10v 10-pin connector, black
- Y26 Selector lever position display
- * Pre-wired component

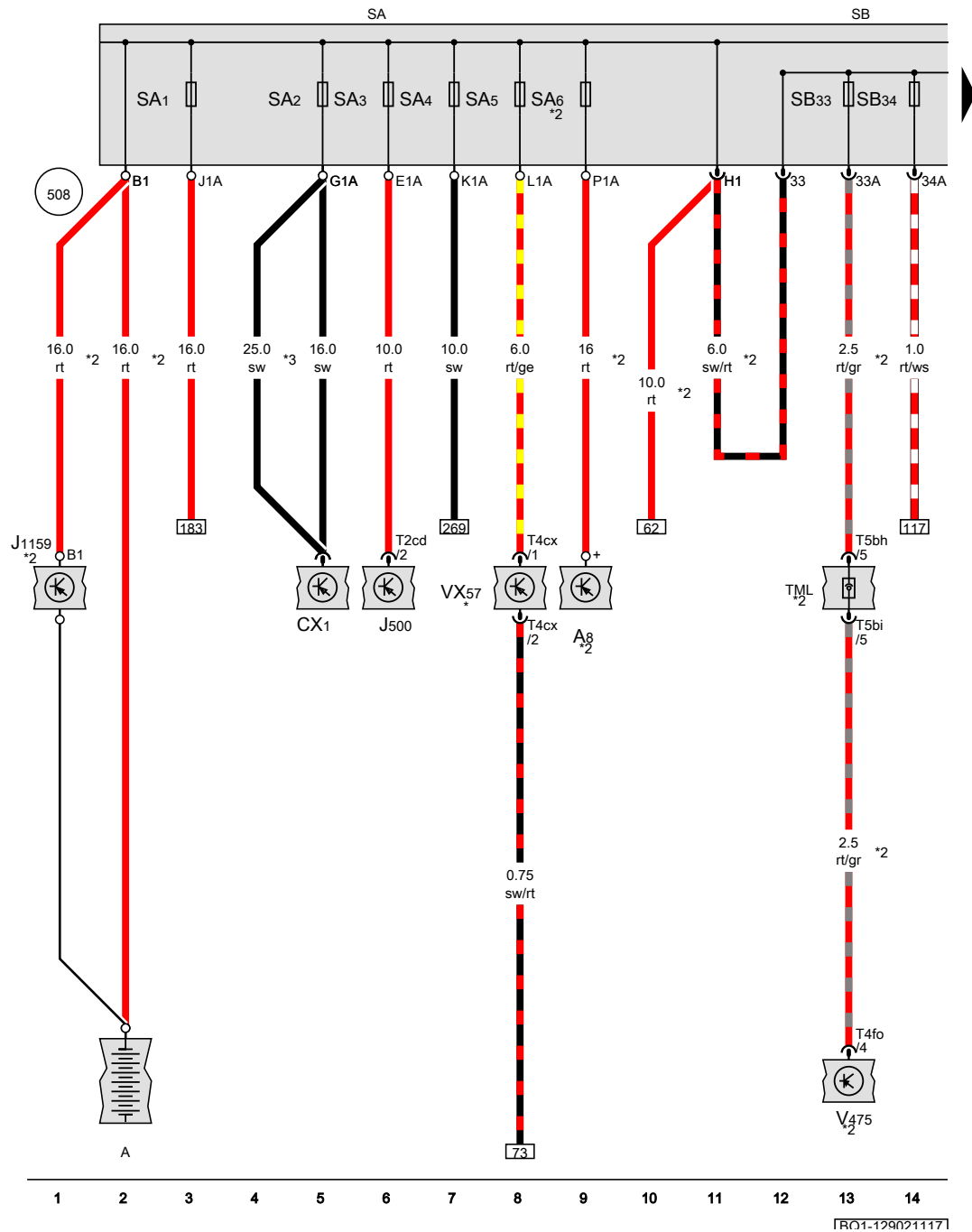


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse assignment

From November 2016



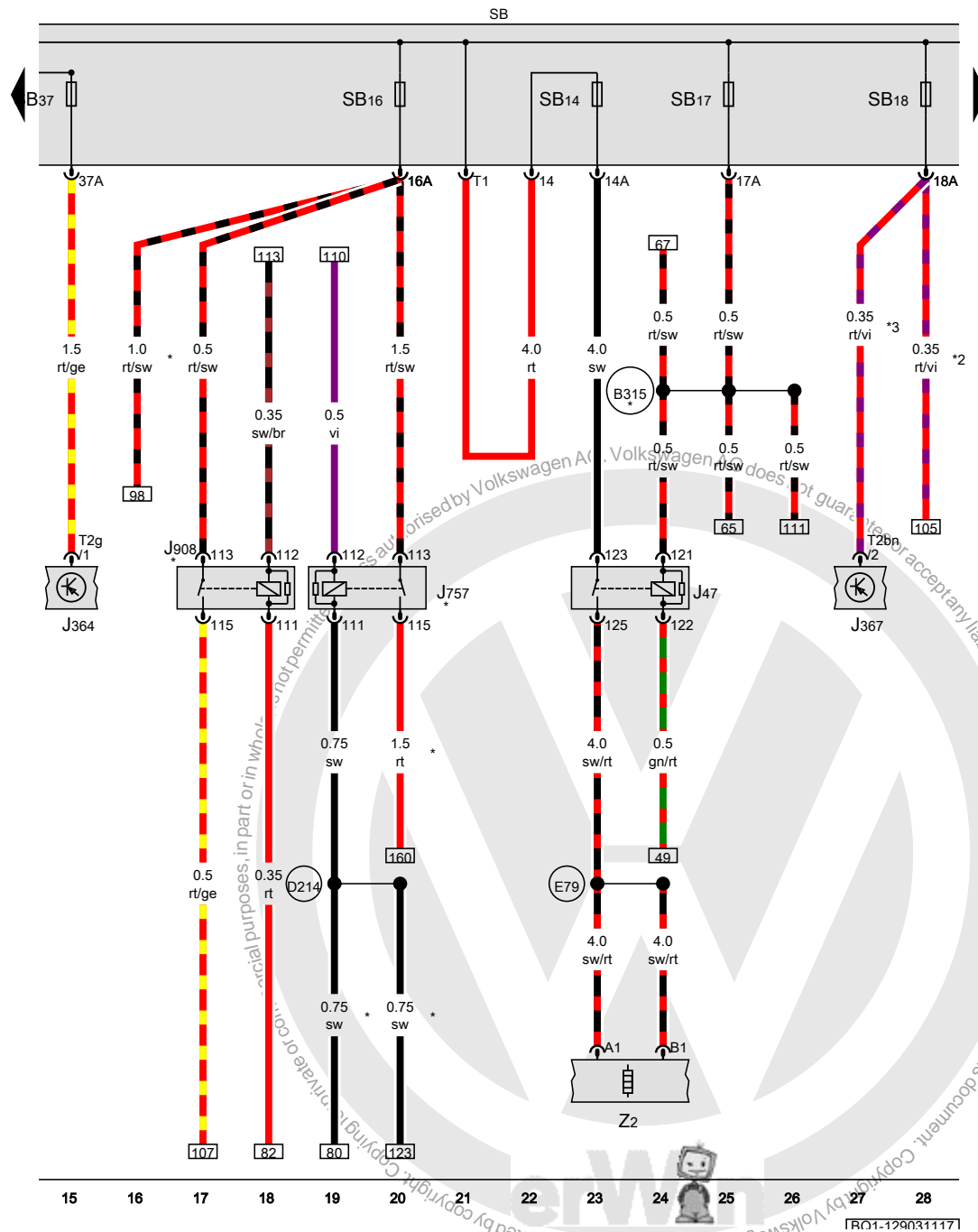


Fuse holder A, Fuse holder B

- A Battery
- A8 Additional battery for coasting function, under seat on front left
- CX1 Alternator with voltage regulator
- J500 Power steering control unit
- J1159 Protective diode for onboard supply for coasting function
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SA2 Fuse 2 on fuse holder A
- SA3 Fuse 3 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SA5 Fuse 5 on fuse holder A
- SA6 Fuse 6 on fuse holder A
- SB Fuse holder B
- SB33 Fuse 33 on fuse holder B
- SB34 Fuse 34 on fuse holder B
- T2cd 2-pin connector
- T4cx 4-pin connector
- T4fo 4-pin connector, black
- T5bh 5-pin connector, black
- T5bi 5-pin connector, black
- TML Coupling point in engine compartment, left
- VX57 Radiator fan
- V475 Auxiliary hydraulic pump 1 for gearbox oil
- 508 Threaded connection (30) on E-box
- * Pre-wired component
- *2 According to equipment
- *3 Cross section depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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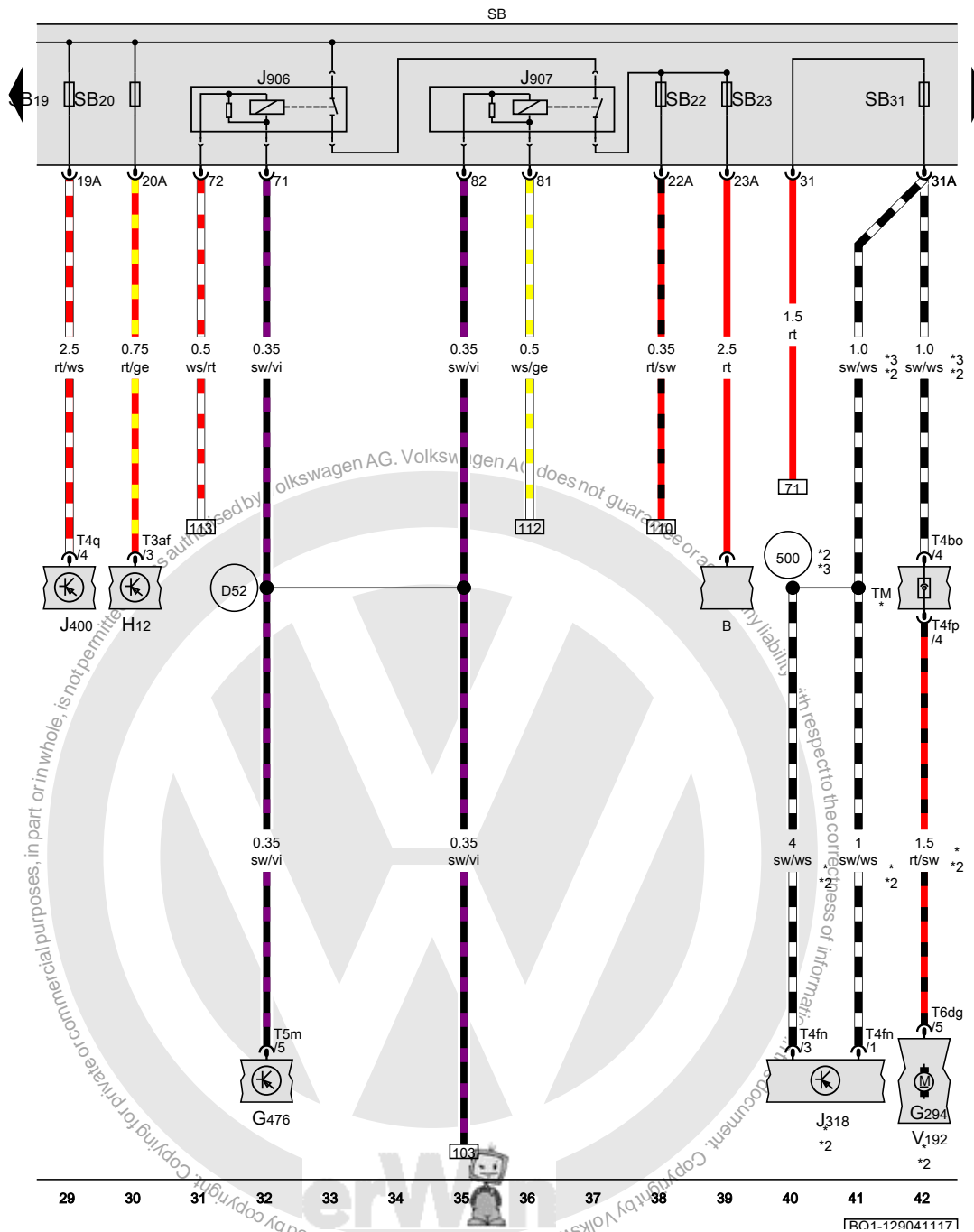
Heated windscreen relay, Engine component current supply relay, Relay for gas shut-off valves, Fuse holder B

- J47 Heated windscreen relay
- J364 Auxiliary heater control unit
- J367 Battery monitor control unit
- J757 Engine component current supply relay
- J908 Relay for gas shut-off valves
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2bn 2-pin connector
- T2g 2-pin connector
- Z2 Heated windscreen

- B315 Positive connection 1 (30a) in main wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- E79 Connection 3 (87a) in engine wiring harness

- * see applicable current flow diagram for engine
- *2 For models with no start/stop system
- *3 For models with start/stop system

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
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 vi = purple
 ge = yellow
 or = orange
 rs = pink



Starter relay 1, Starter relay 2, Fuse holder B

- B Starter
- G294 Brake servo pressure sensor
- G476 Clutch position sender
- H12 Alarm horn
- J318 Vacuum pump relay
- J400 Wiper motor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- T3af 3-pin connector
- T4bo 4-pin connector, black
- T4fn 4-pin connector, black
- T4fp 4-pin connector, black
- T4q 4-pin connector
- T5m 5-pin connector
- T6dg 6-pin connector, black
- TM Coupling point in engine compartment
- V192 Vacuum pump for brakes

500 Threaded connection 1 (30), on relay plate

D52 Positive connection (15a), in engine compartment wiring harness

- * For models with equipment for Japan
- *2 see applicable current flow diagram for engine
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

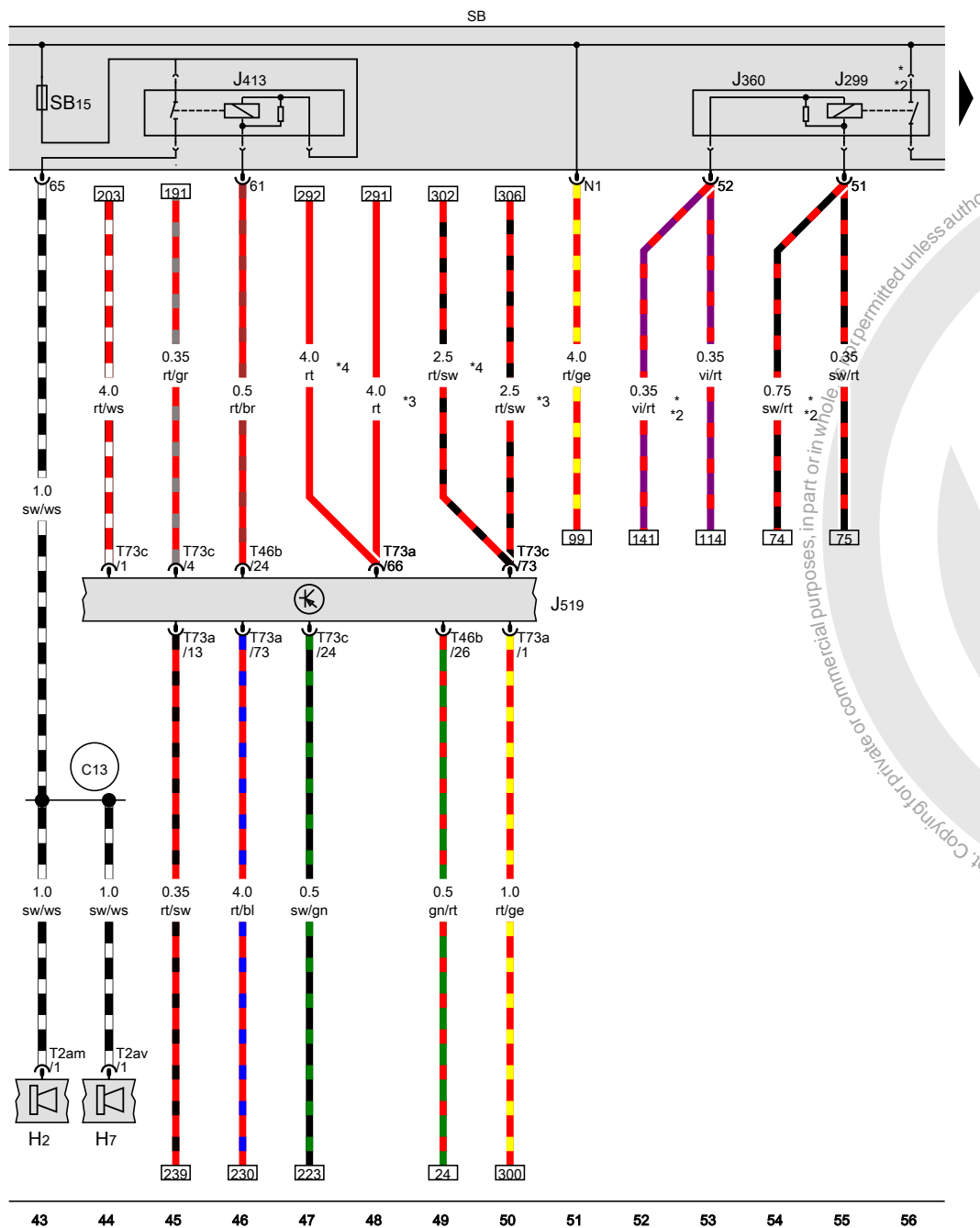
High heat output relay, Horn relay, Fuse holder B

- H2 Treble horn
- H7 Bass horn
- J299 Secondary air pump relay
- J360 High heat output relay
- J413 Horn relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- T2am 2-pin connector
- T2av 2-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

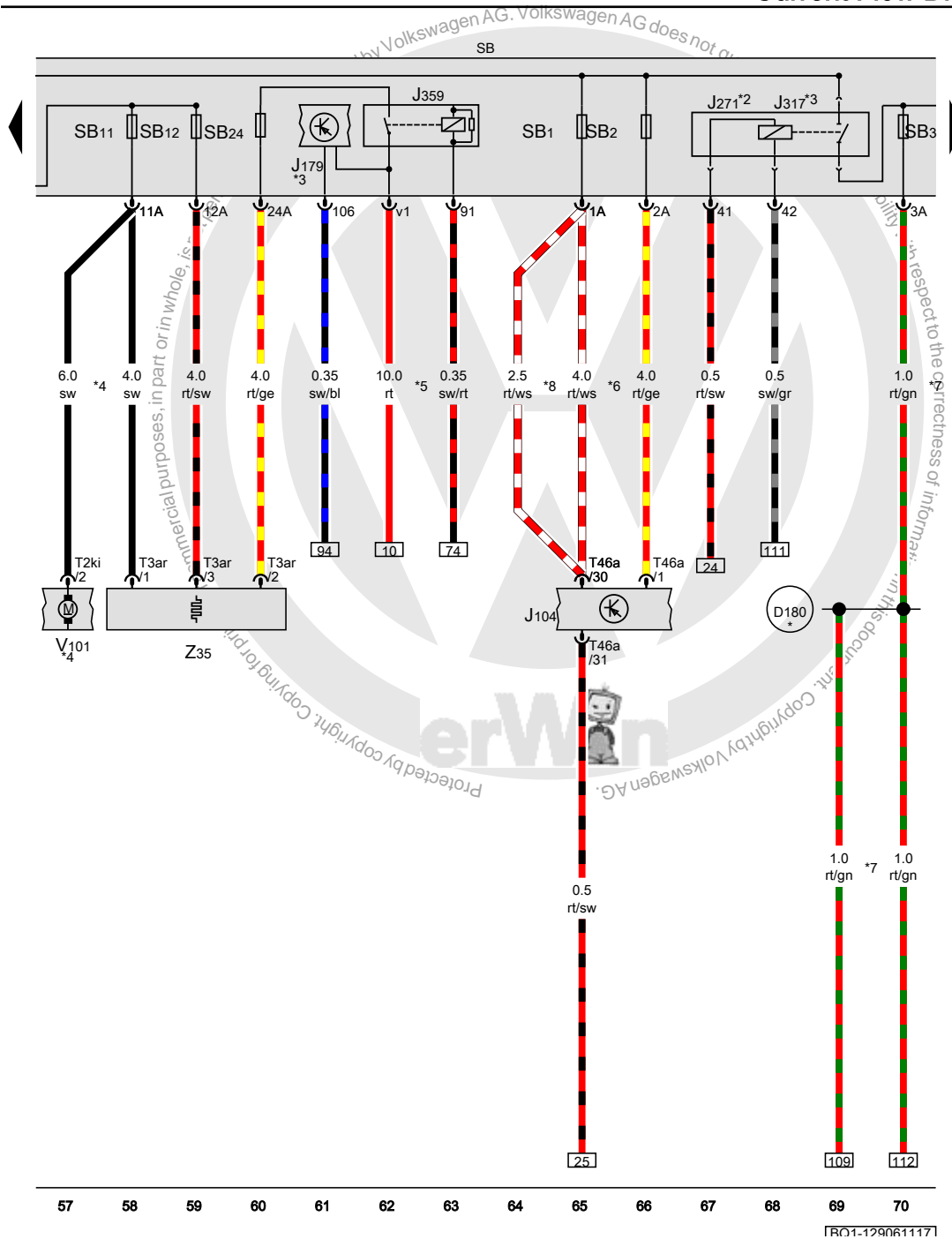
C13 Positive connection in dual tone horn wiring harness

- * For American markets
- *2 For models with equipment for Korea
- *3 Up to May 2017
- *4 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



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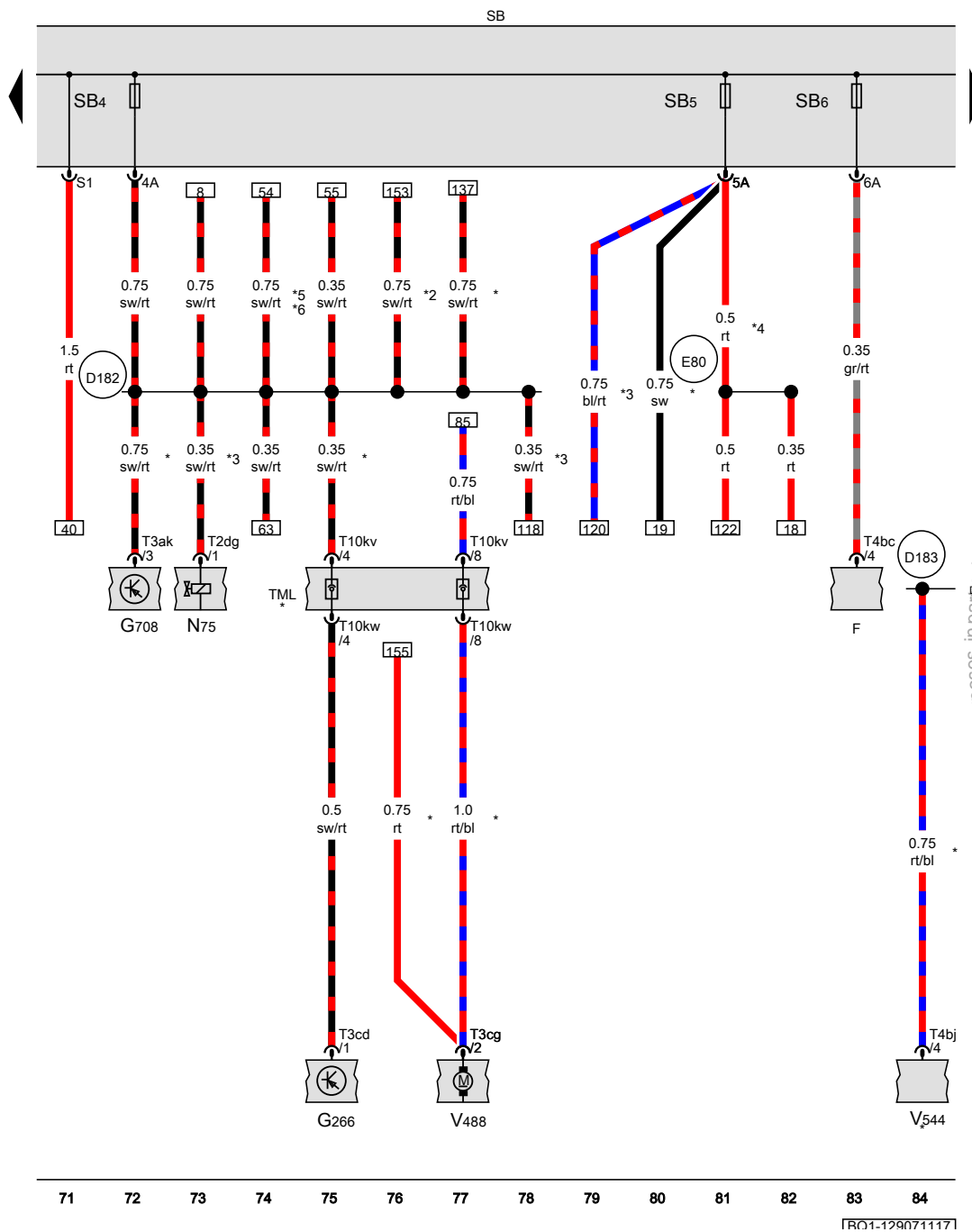


Automatic glow period control unit, Main relay, Terminal 30 voltage supply relay, Low heat output relay, Fuse holder B

- J104 ABS control unit
- J179 Automatic glow period control unit
- J271 Main relay
- J317 Terminal 30 voltage supply relay
- J359 Low heat output relay
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T2ki 2-pin connector
- T3ar 3-pin connector
- T46a 46-pin connector
- V101 Secondary air pump motor
- Z35 Auxiliary air heater element
- D180 Connection (87a), in engine compartment wiring harness

- * see applicable current flow diagram for engine
- *2 For models with petrol engine
- *3 For models with diesel engine
- *4 For American markets
- *5 According to equipment
- *6 Up to May 2017
- *7 Cross section depends on equipment
- *8 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuse holder B

- F Brake light switch
- G266 Oil level and oil temperature sender
- G708 Ethanol concentration sender
- N75 Charge pressure control solenoid valve
- SB Fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T2dg 2-pin connector
- T3ak 3-pin connector
- T3cd 3-pin connector
- T3cg 3-pin connector
- T4bc 4-pin connector
- T4bj 4-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- TML Coupling point in engine compartment, left
- V488 Auxiliary pump for heating
- V544 Radiator blind control motor

D182 Connection 3 (87a), in engine compartment wiring harness

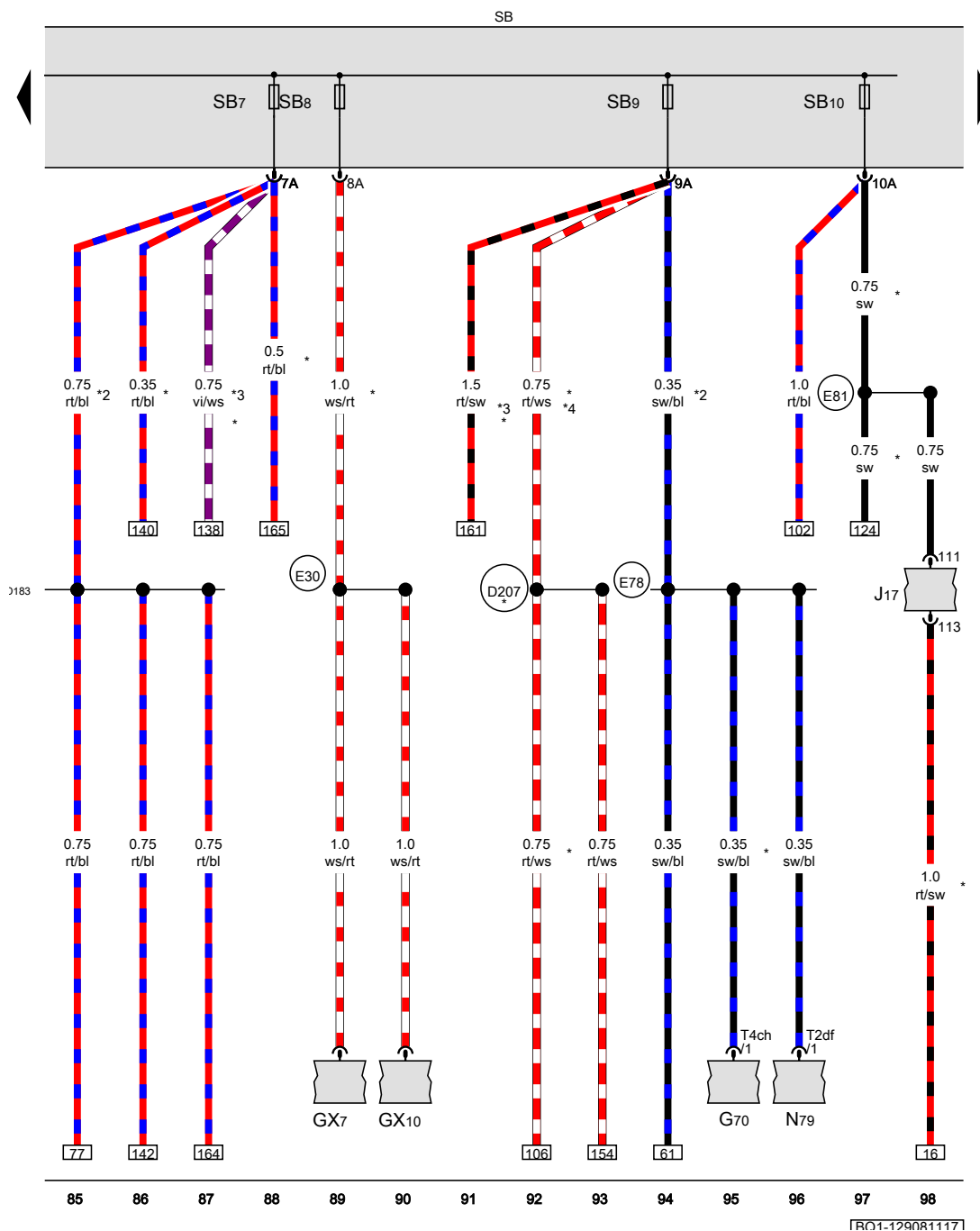
D183 Connection 4 (87a), in engine compartment wiring harness

E80 Connection 4 (87a) in engine wiring harness

- * see applicable current flow diagram for engine
- *2 For models with petrol engine
- *3 For models with diesel engine
- *4 For models with natural gas engine
- *5 For American markets
- *6 For models with equipment for Korea

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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Fuel pump relay, Fuse holder B

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G70 Air mass meter
- J17 Fuel pump relay
- N79 Heater element for crankcase breather
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T2df 2-pin connector
- T4ch 4-pin connector

D183 Connection 4 (87a), in engine compartment wiring harness

D207 Connection 7 (87a), in engine compartment wiring harness

E30 Connection (87a), in engine wiring harness

E78 Connection 2 (87a) in engine wiring harness

E81 Connection 5 (87a) in engine wiring harness

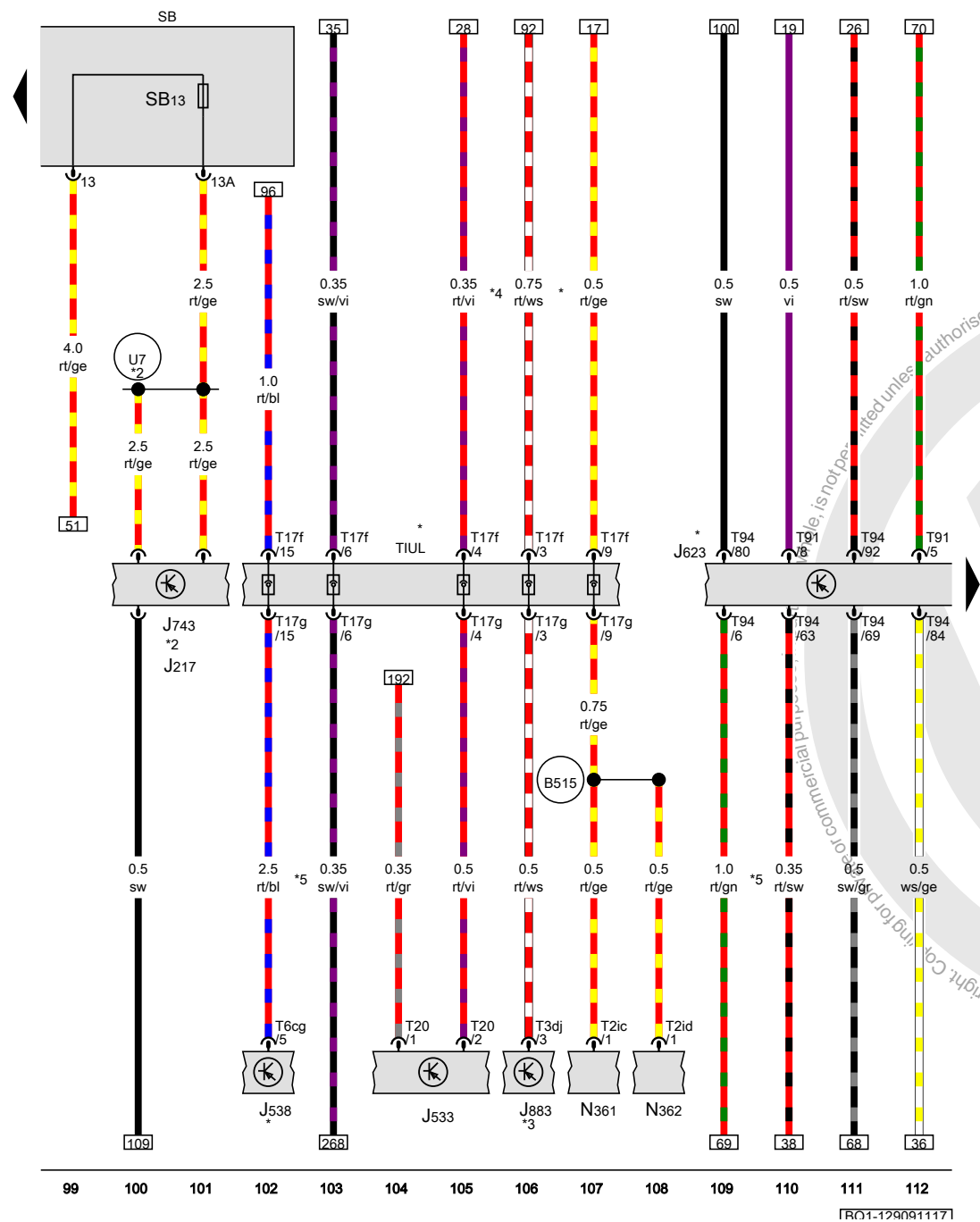
* see applicable current flow diagram for engine

*2 For models with diesel engine

*3 For models with petrol engine

*4 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Fuse holder B

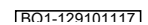
- J217 Automatic gearbox control unit
- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J883 Exhaust flap control unit
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- SB Fuse holder B
- SB13 Fuse 13 on fuse holder B
- T2ic 2-pin connector
- T2id 2-pin connector
- T3dj 3-pin connector
- T6cg 6-pin connector
- T17f 17-pin connector, blue
- T17g 17-pin connector, blue
- T20 20-pin connector
- T91 91-pin connector
- T94 94-pin connector
- TIUL Coupling point in interior, below left

B515 Positive connection 4 (87), in interior wiring harness

U7 Connection (87), in automatic gearbox wiring harness

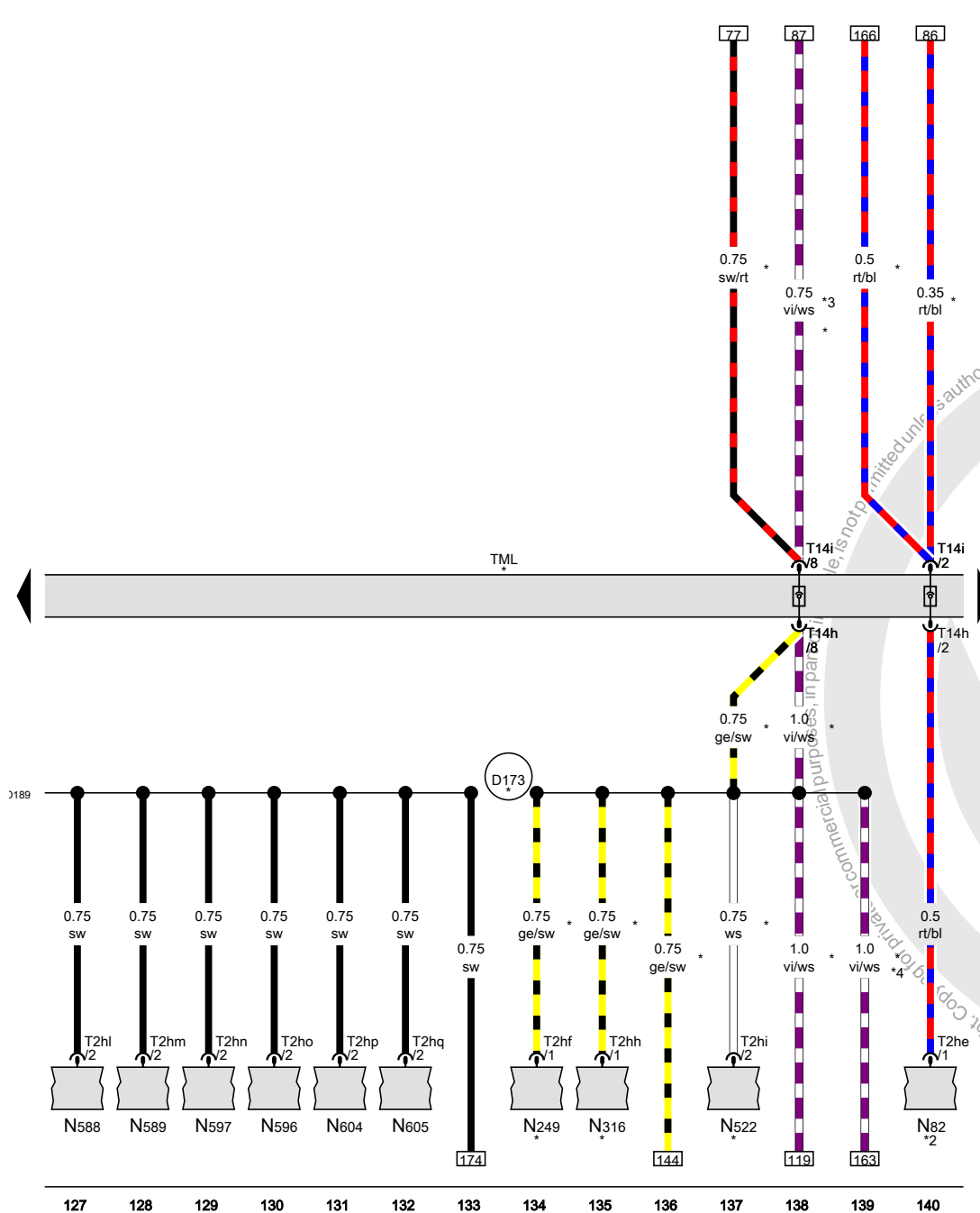
- * see applicable current flow diagram for engine
- *2 see applicable current flow diagram for gearbox
- *3 According to equipment
- *4 For models with no start/stop system
- *5 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



* see applicable current flow diagram for engine
*2 For models with diesel engine
*3 For American markets

- ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Coupling point in engine compartment, left

- N82 Coolant shut-off valve
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N522 Piston cooling jet control valve
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- N596 Exhaust cam actuator A for cylinder 3
- N597 Exhaust cam actuator B for cylinder 3
- N604 Exhaust cam actuator A for cylinder 4
- N605 Exhaust cam actuator B for cylinder 4

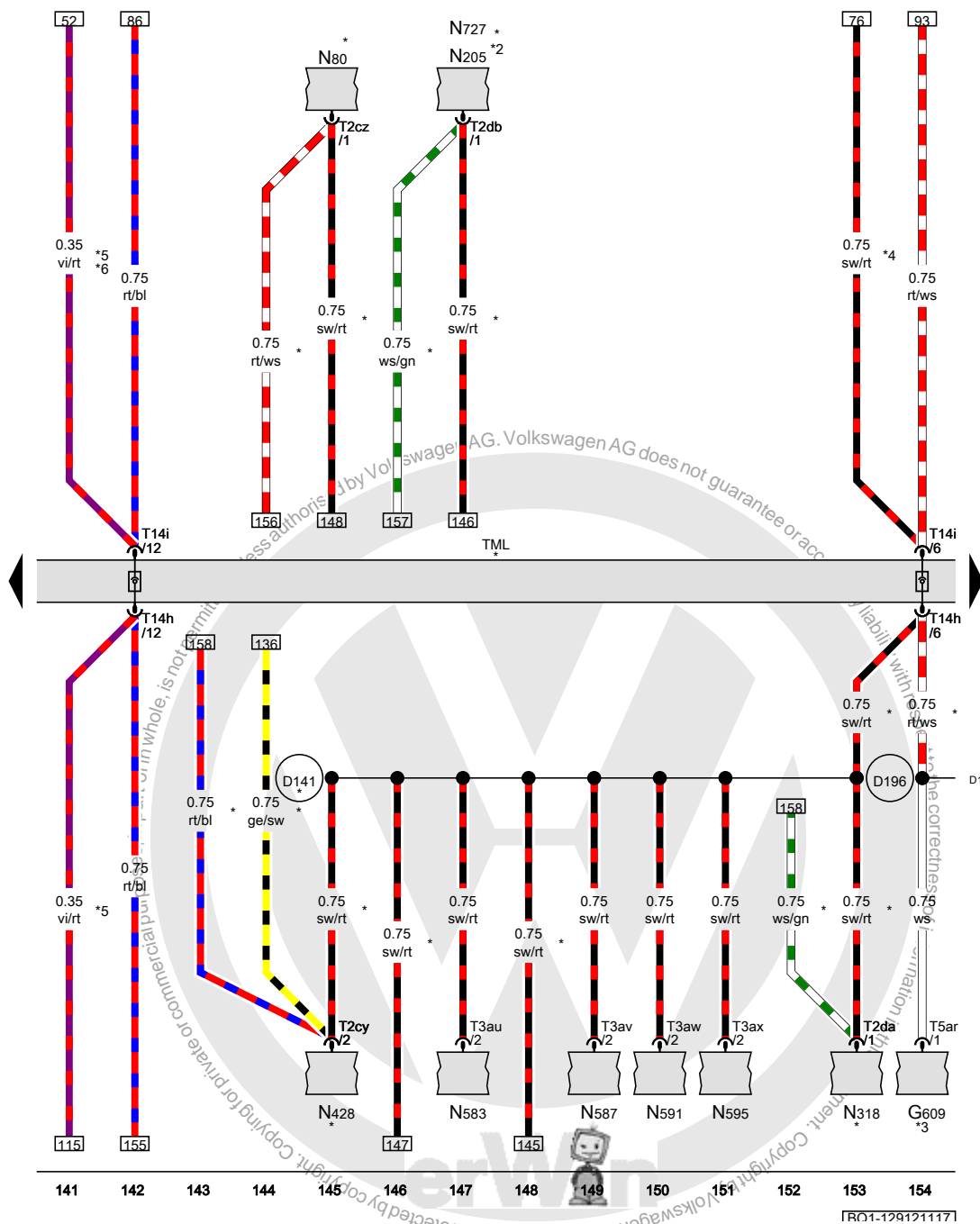
- T2he 2-pin connector
- T2hf 2-pin connector
- T2hh 2-pin connector
- T2hi 2-pin connector
- T2hl 2-pin connector
- T2hm 2-pin connector
- T2hn 2-pin connector
- T2ho 2-pin connector
- T2hp 2-pin connector
- T2hq 2-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left

D173 Connection (87), in engine prewiring harness

D189 Connection (87a) in engine prewiring harness

- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 For models with petrol engine
- *4 Different wire colour possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Coupling point in engine compartment, left

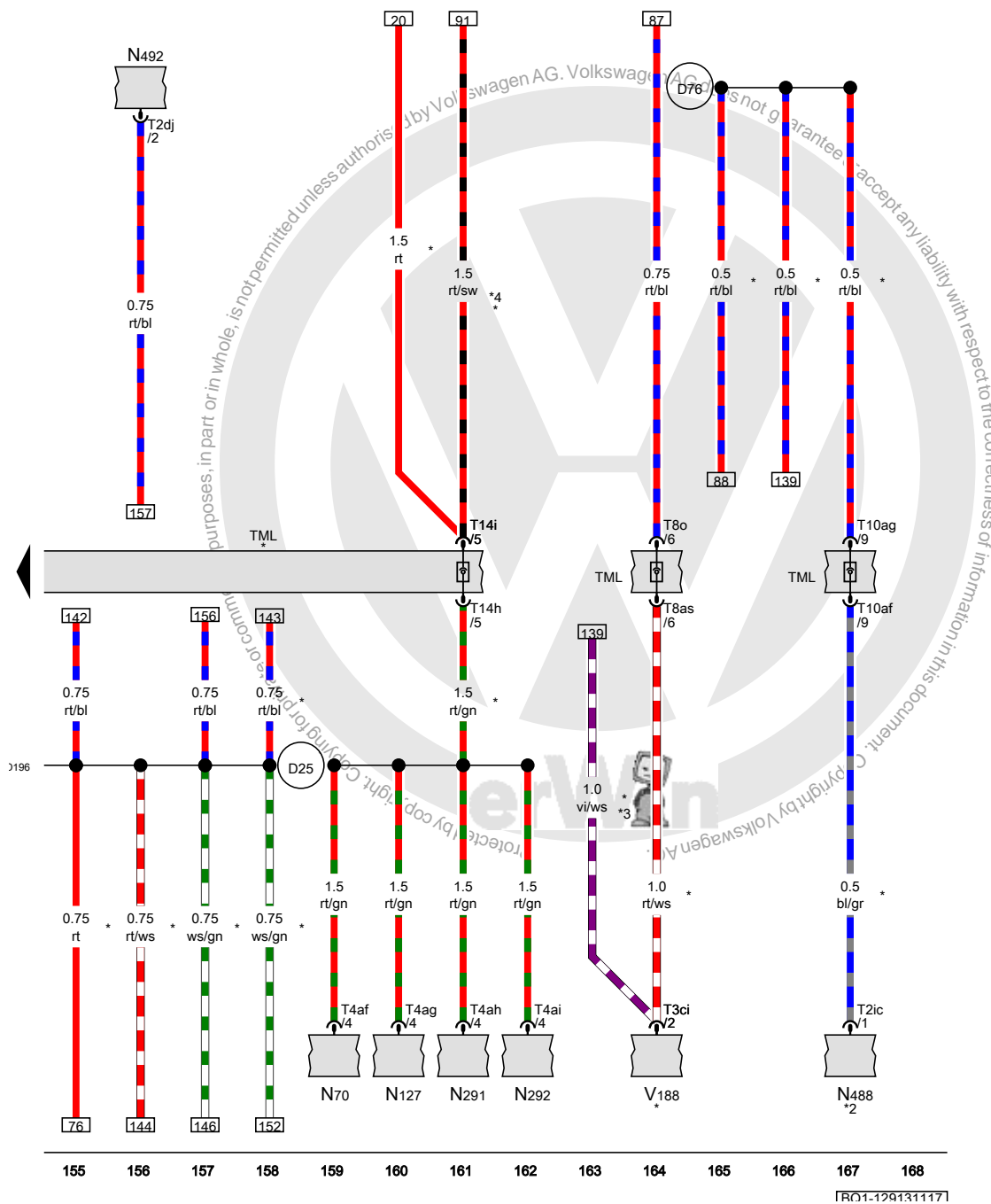
- G609 Sender 1 for secondary air pressure
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N583 Inlet cam actuator for cylinder 2
- N587 Exhaust cam actuator for cylinder 2
- N591 Inlet cam actuator for cylinder 3
- N595 Exhaust cam actuator for cylinder 3
- N727 Inlet camshaft control valve 1
- T2cy 2-pin connector
- T2cz 2-pin connector, yellow
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3au 3-pin connector
- T3av 3-pin connector
- T3aw 3-pin connector
- T3ax 3-pin connector
- T5ar 5-pin connector
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left

D141 Connection (5V) in engine prewiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 For models with SULEV emission standard
- *4 For models with petrol engine
- *5 For American markets
- *6 For models with equipment for Korea

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Coupling point in engine compartment, left

- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- N488 Coolant valve for gearbox
- N492 Solenoid for coolant circuit
- T2dj 2-pin connector
- T2ic 2-pin connector
- T3ci 3-pin connector
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T8as 8-pin connector, black
- T8o 8-pin connector, black
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump

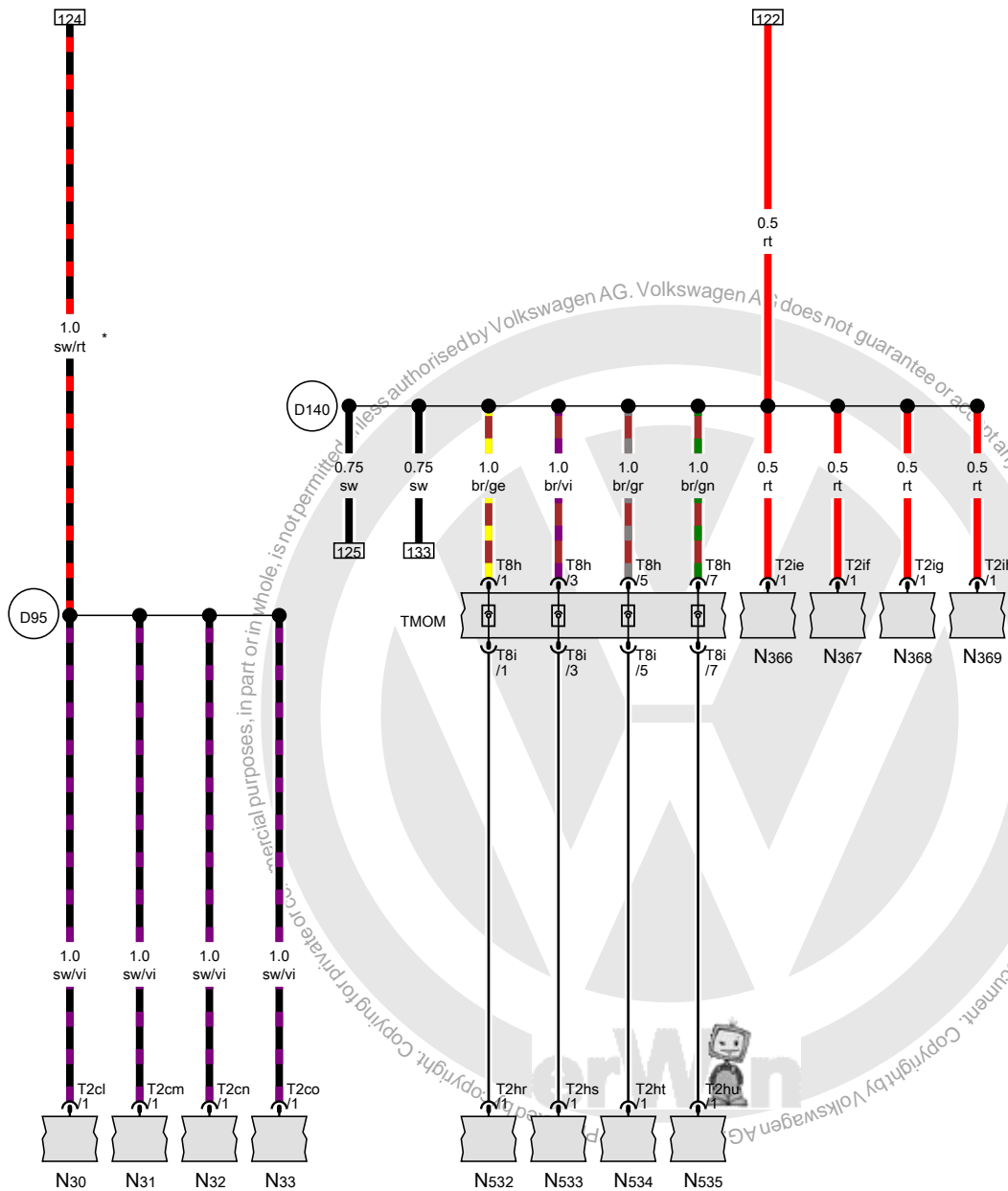
D25 Positive connection (15), in engine prewiring harness

D76 Connection (circulation pump), in engine compartment wiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * see applicable current flow diagram for engine
- *2 According to equipment
- *3 Different wire colour possible
- *4 For models with petrol engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Coupling point on engine, top centre

- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4

- T2cl 2-pin connector
- T2cm 2-pin connector
- T2cn 2-pin connector
- T2co 2-pin connector
- T2hr 2-pin connector
- T2hs 2-pin connector
- T2ht 2-pin connector
- T2hu 2-pin connector
- T2ie 2-pin connector
- T2if 2-pin connector
- T2ig 2-pin connector
- T2ih 2-pin connector

- T8h 8-pin connector, black
- T8i 8-pin connector, black

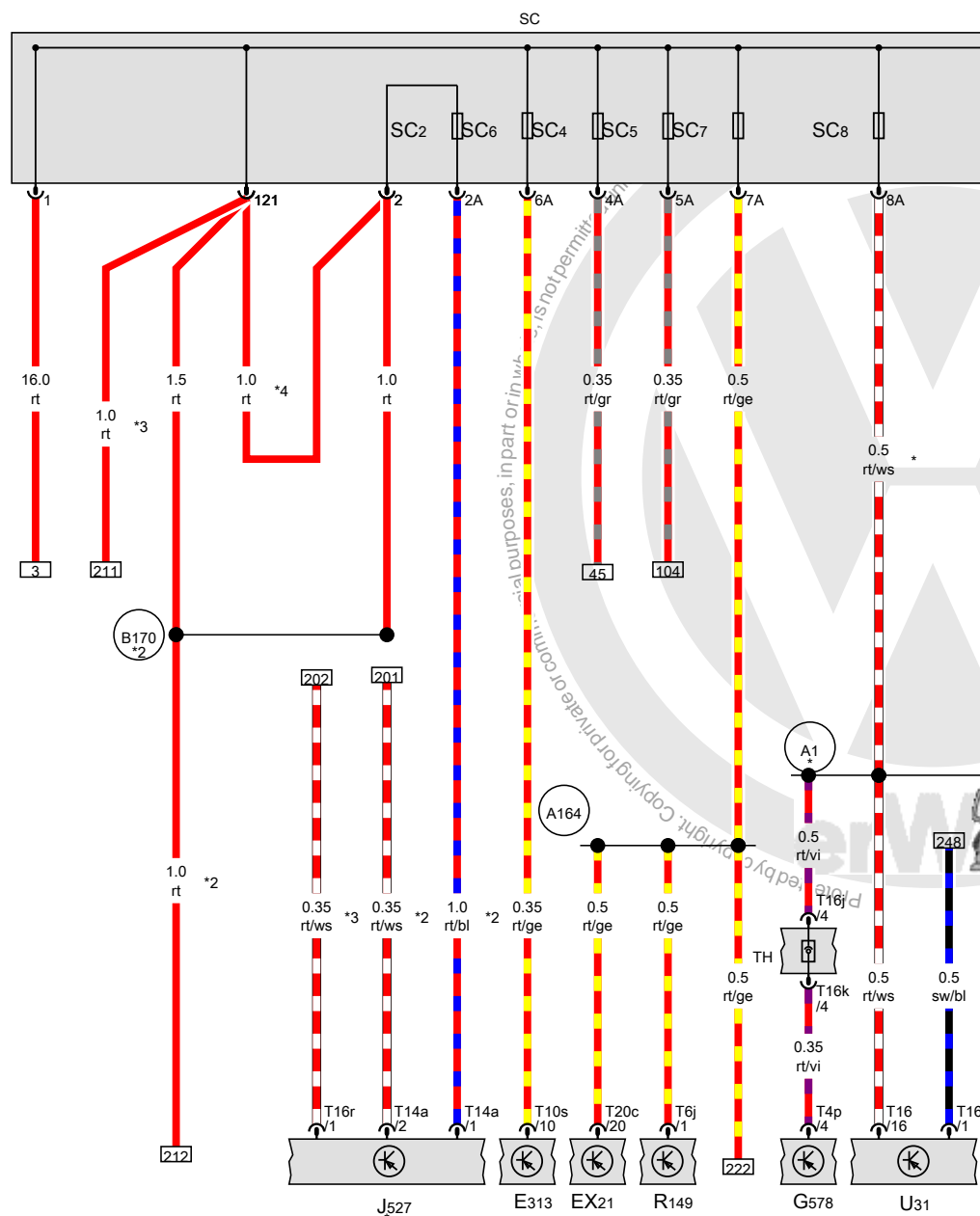
TMOM Coupling point on engine, top centre

D95 Connection (injectors), in engine compartment wiring harness

D140 Connection (injectors), in engine prewiring harness

* see applicable current flow diagram for engine

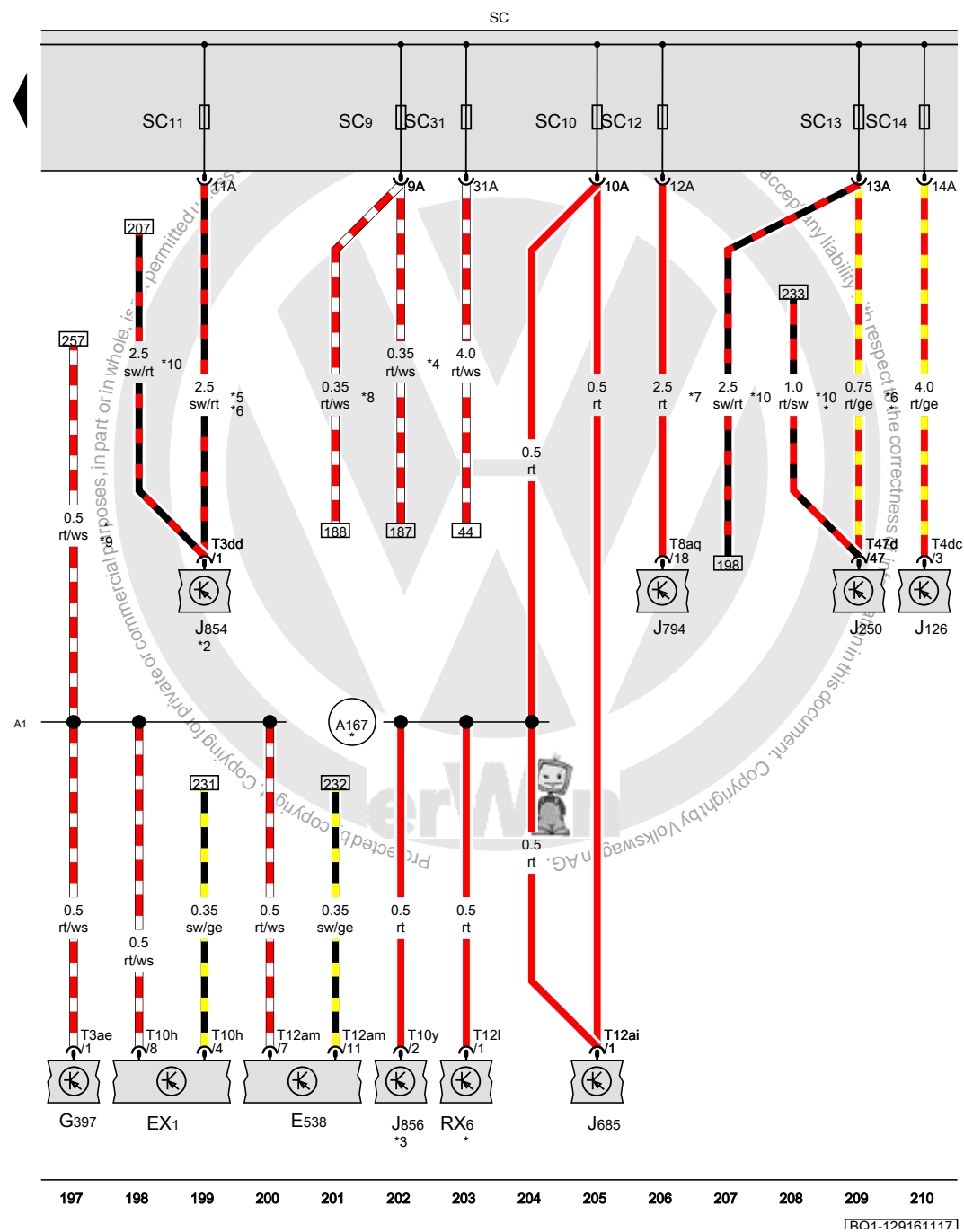
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuse holder C

- EX21 Heater and air conditioning controls
- E313 Selector lever
- G578 Anti-theft alarm sensor
- J527 Steering column electronics control unit
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- T4p 4-pin connector
- T6j 6-pin connector
- T10s 10-pin connector
- T14a 14-pin connector
- T16 16-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T16r 16-pin connector
- T20c 20-pin connector
- TH Coupling point for roof
- U31 Diagnostic connection
- A1 Positive connection (30a), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * see applicable current flow diagram
- *2 For models with heated steering wheel
- *3 For models with no heated steering wheel
- *4 Wiring colour depends on equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Fuse holder C

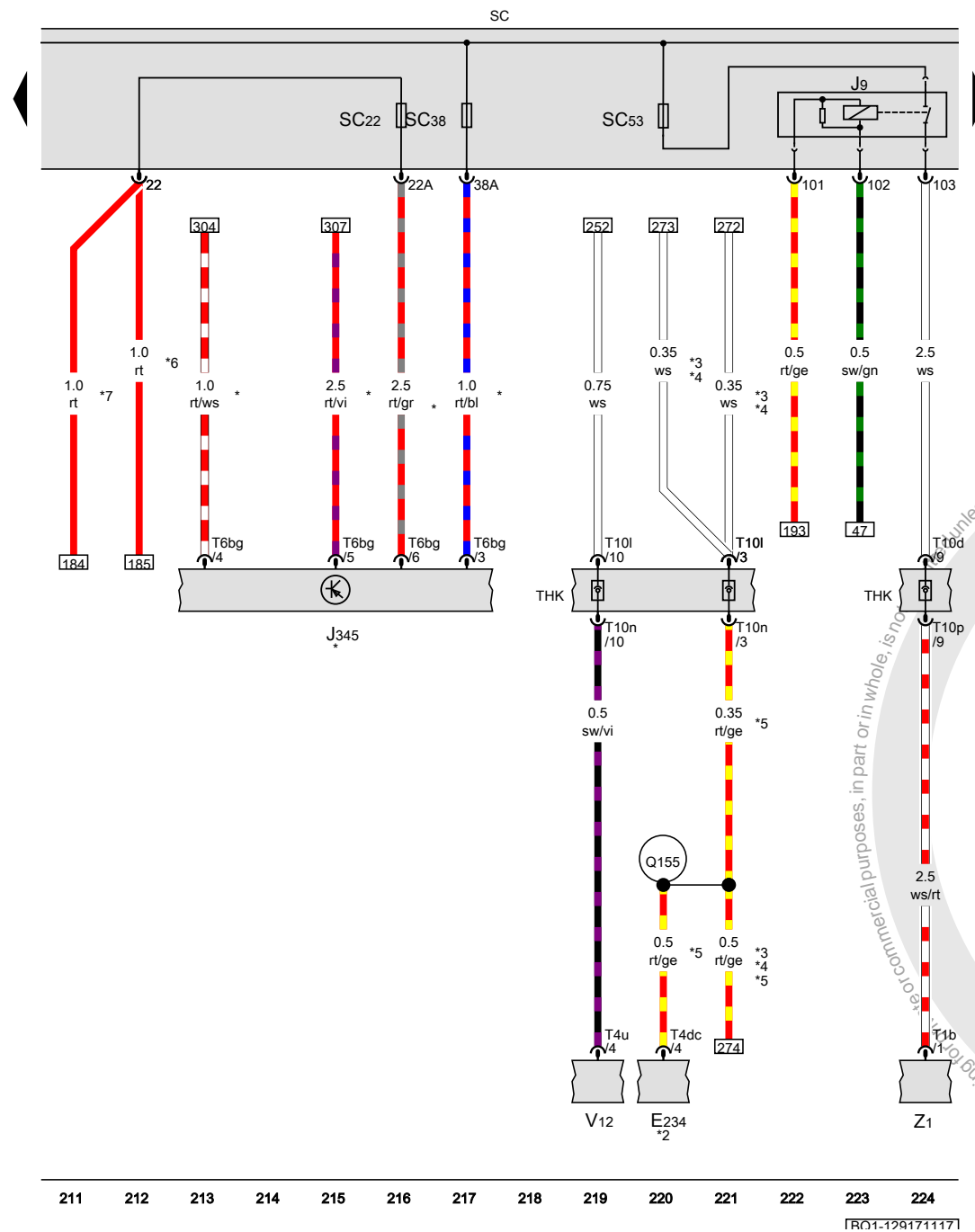
- EX1 Rotary light switch
- E538 Electromechanical parking brake button
- G397 Rain and light sensor
- J126 Fresh air blower control unit
- J250 Electronically controlled damping control unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J854 Control unit for front left belt tensioner
- J856 Control unit for navigation system
- RX6 TV tuner
- SC Fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- T3ae 3-pin connector
- T3dd 3-pin connector
- T4dc 4-pin connector
- T8aq 8-pin connector, black
- T10h 10-pin connector
- T10y 10-pin connector
- T12ai 12-pin connector
- T12am 12-pin connector
- T12l 12-pin connector, black
- T47d 47-pin connector

A1 Positive connection (30a), in dash panel wiring harness

A167 Positive connection 3 (30a) in dash panel wiring harness

- * According to equipment
- *2 see applicable current flow diagram for airbag
- *3 For models with equipment for Korea
- *4 For models with no heated steering wheel
- *5 Wiring colour depends on equipment
- *6 Up to May 2017
- *7 Cross section depends on equipment
- *8 For models with heated steering wheel
- *9 see applicable current flow diagram
- *10 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



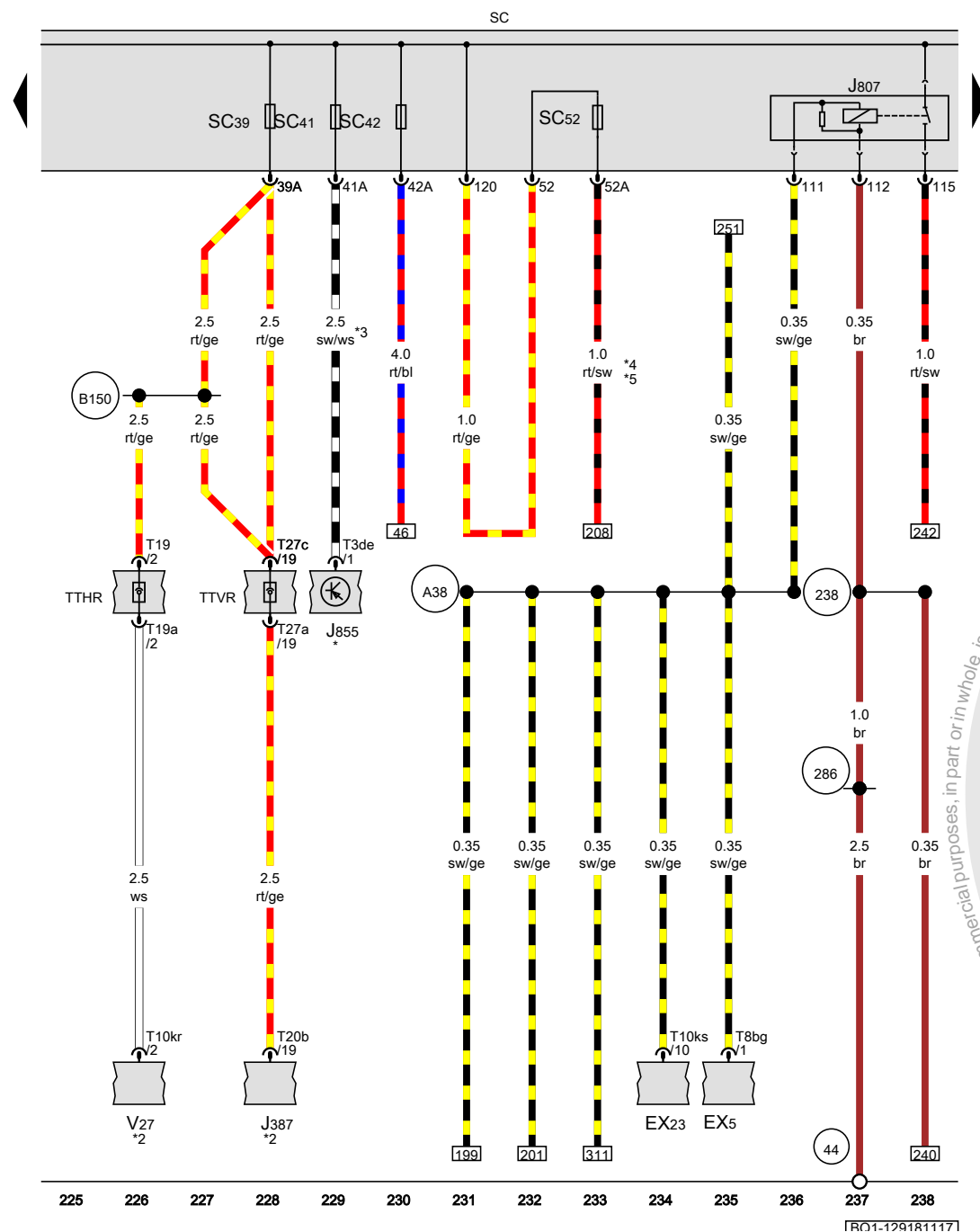
Heated rear window relay, Fuse holder C

- E234 Rear lid handle release button
- J9 Heated rear window relay
- J345 Trailer detector control unit
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T1b 1-pin connector
- T4dc 4-pin connector
- T4u 4-pin connector
- T6bg 6-pin connector, black
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- Z1 Heated rear window

Q155 Connection (30a), in rear lid wiring harness

- * see applicable current flow diagram for towing bracket
- *2 For models with reversing camera system
- *3 According to equipment
- *4 see applicable current flow diagram
- *5 Up to May 2017
- *6 For models with heated steering wheel
- *7 For models with no heated steering wheel

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Relay for power sockets, Fuse holder C

- EX5 Interior mirror
- EX23 Switch module 1 in centre console
- J387 Front passenger door control unit
- J807 Relay for power sockets
- J855 Control unit for front right belt tensioner
- SC Fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T3de 3-pin connector
- T8bg 8-pin connector
- T10kr 10-pin connector
- T10ks 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- T27e 27-pin connector, black
- TTHR Coupling point for rear right door
- TTVR Coupling point for front right door
- V27 Rear right window regulator motor
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for convenience system
- *3 Wiring colour depends on equipment
- *4 From May 2017
- *5 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

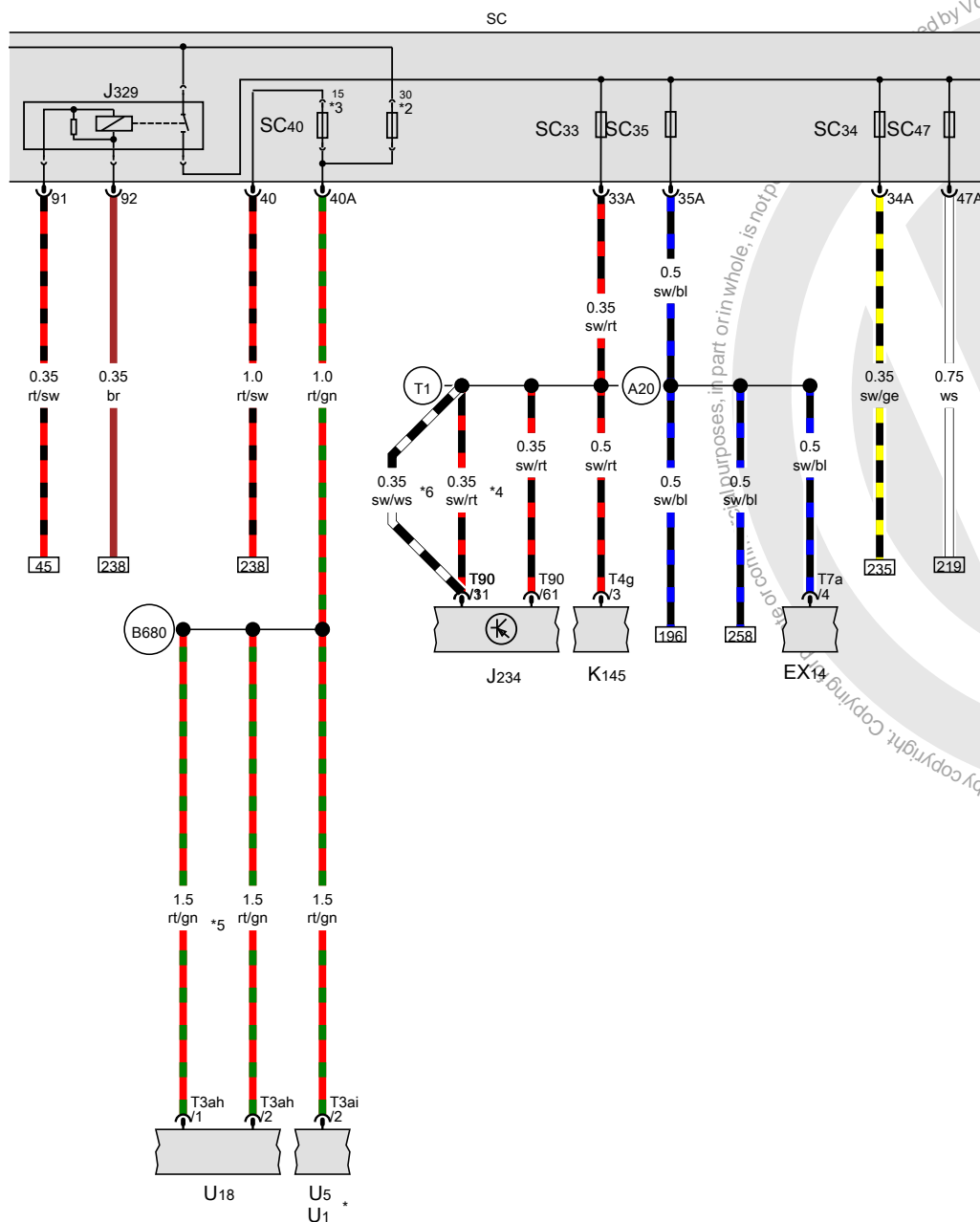
Terminal 15 voltage supply relay, Fuse holder C

- EX14 Headlight range control and instrument illumination regulator
- J234 Airbag control unit
- J329 Terminal 15 voltage supply relay
- K145 Warning lamp for airbag deactivated on front passenger side
- SC Fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T3ah 3-pin connector
- T3ai 3-pin connector
- T4g 4-pin connector
- T7a 7-pin connector
- T90 90-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2

- A20 Positive connection (15a), in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- T1 Positive connection 1, in airbag wiring harness

- * According to equipment
- *2 Power supply via terminal 30 possible
- *3 Factory fitted with power supply from terminal 15
- *4 Up to May 2017
- *5 For American markets
- *6 From May 2017

- ws = white
- sw = black
- ro = red
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- gn = green
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239 240 241 242 243 244 245 246 247 248 249 250 251 252

[RO1-129191117]

Fuse holder C

- J428 Adaptive cruise control unit
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- J791 Park assist steering control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- MX1 Front left headlight
- MX2 Front right headlight
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- T8ay 8-pin connector
- T8br 8-pin connector
- T8bs 8-pin connector
- T10d 10-pin connector, black
- T10e 10-pin connector
- T12ar 12-pin connector
- T14j 14-pin connector
- T14k 14-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T17i 17-pin connector, black
- T17n 17-pin connector, red
- T26i 26-pin connector
- TIUL Coupling point in interior, below left

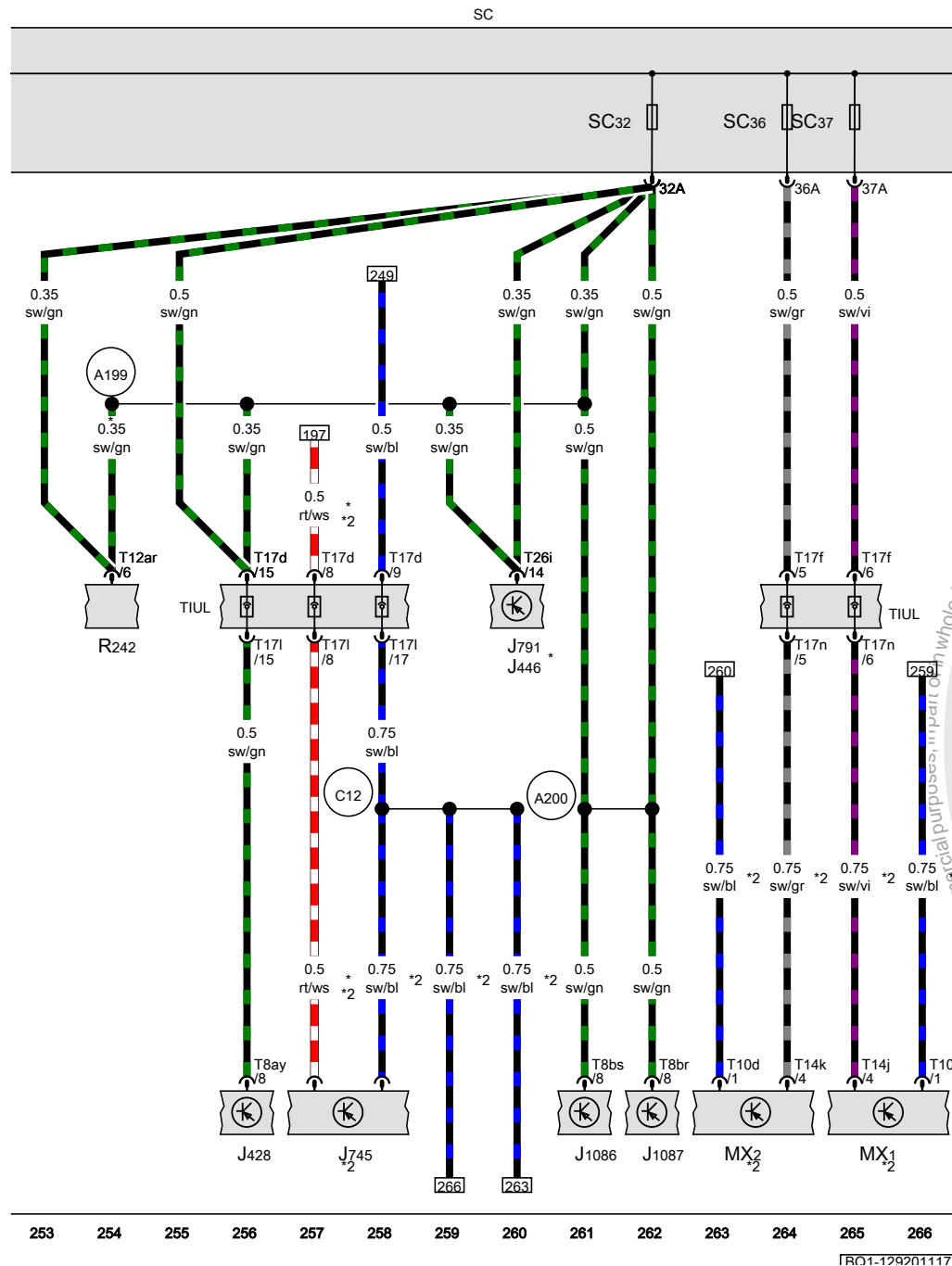
A199 Positive connection 4 (15a) in dash panel wiring harness

A200 Positive connection 5 (15a) in dash panel wiring harness

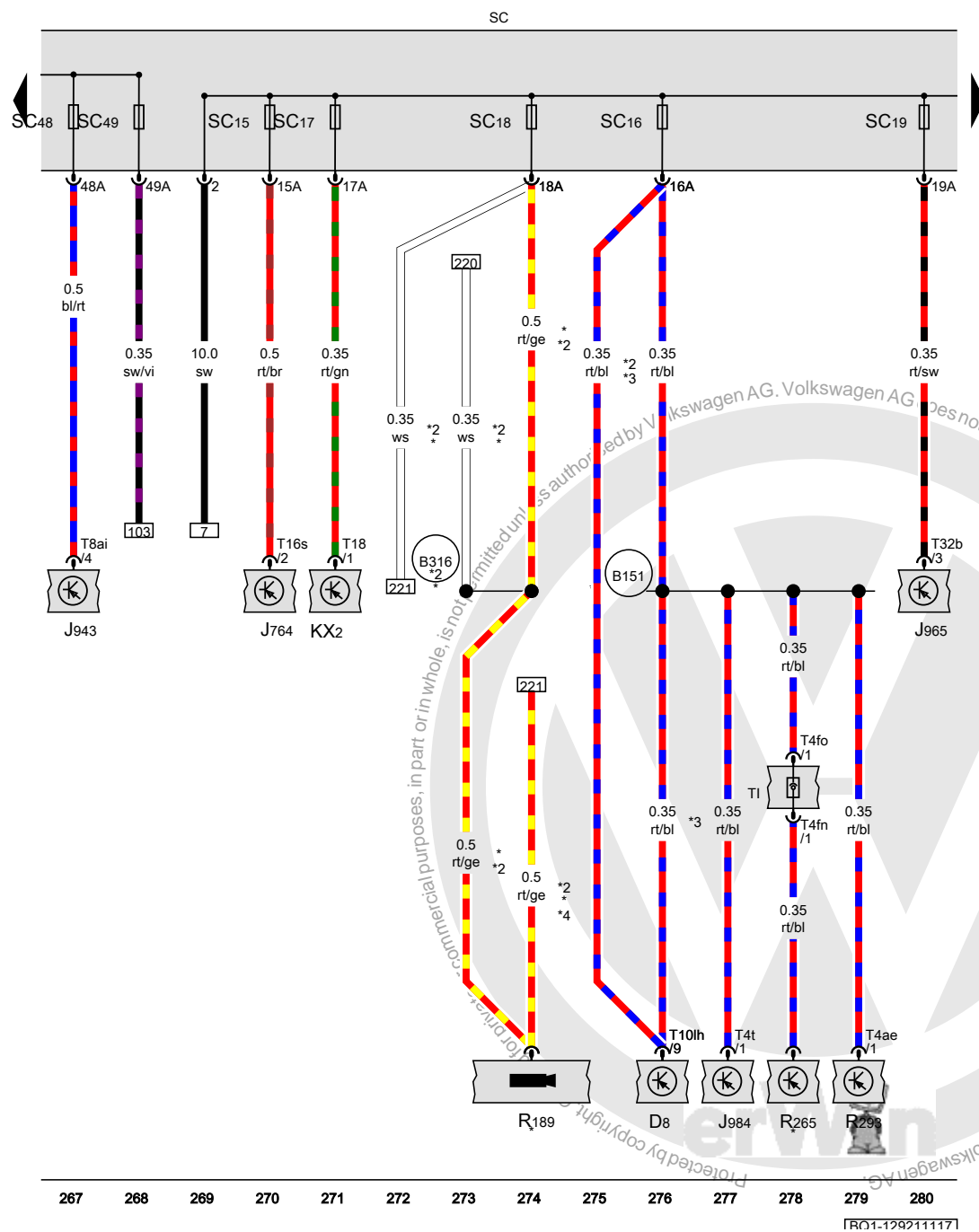
C12 Positive connection 1, in headlight wiring harness

* According to equipment
*2 see applicable current flow diagram

ws = white
sw = black
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br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



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Fuse holder C

- D8 Chip card reader
- J764 Control unit for electronic steering column lock
- J943 Engine sound generator control unit
- J965 Interface for entry and start system
- J984 Two-way signal amplifier for mobile telephone/data services
- KX2 Dash panel insert
- R189 Reversing camera
- R265 Storage compartment with interface for mobile telephone
- R293 USB hub, under centre console
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4t 4-pin connector
- T8ai 8-pin connector
- T10lh 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector
- T32b 32-pin connector
- TI Coupling point in interior, in centre console

B151 Positive connection 3 (30a), in interior wiring harness

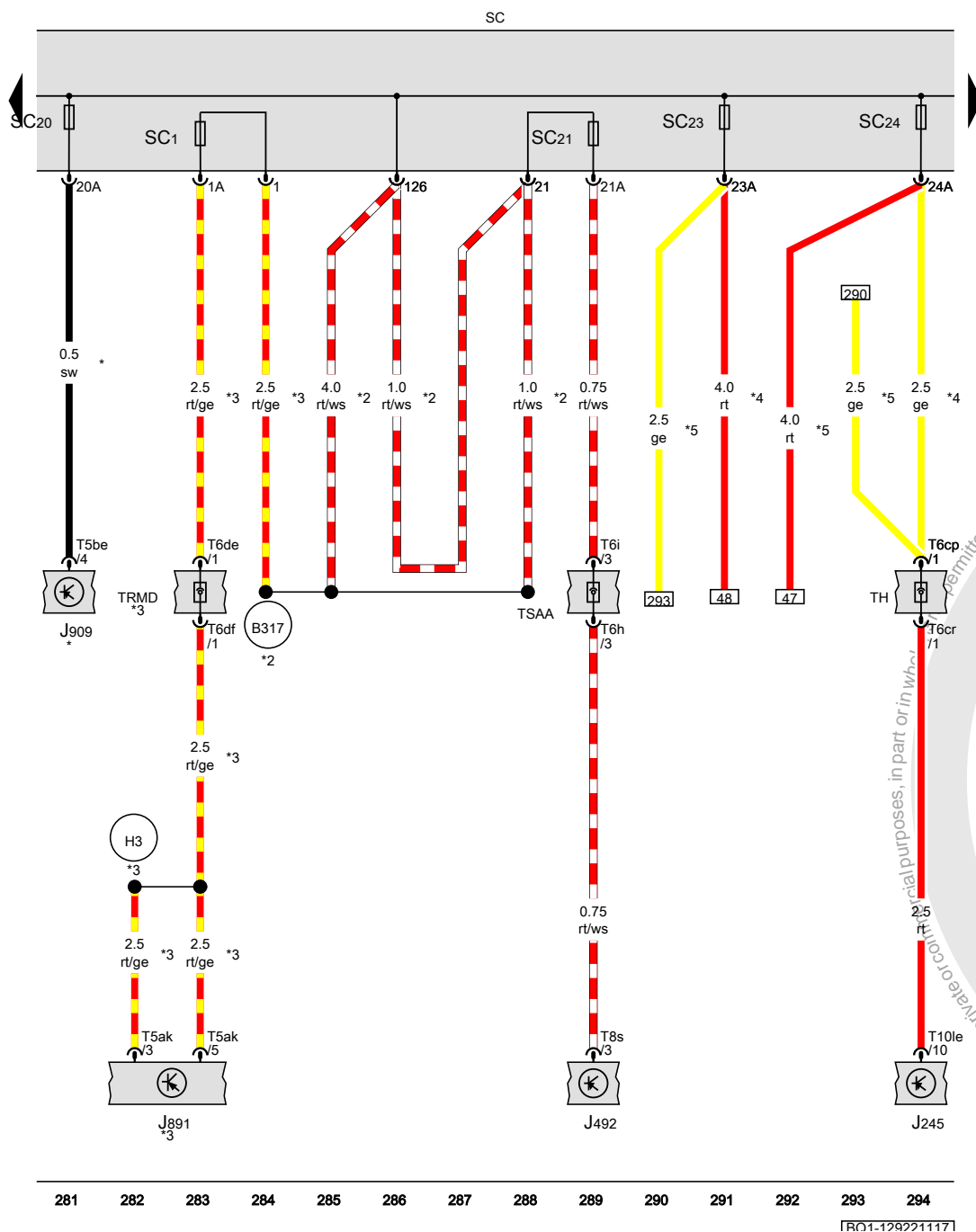
B316 Positive connection 2 (30a) in main wiring harness

* see applicable current flow diagram

*2 According to equipment

*3 For models with equipment for Japan

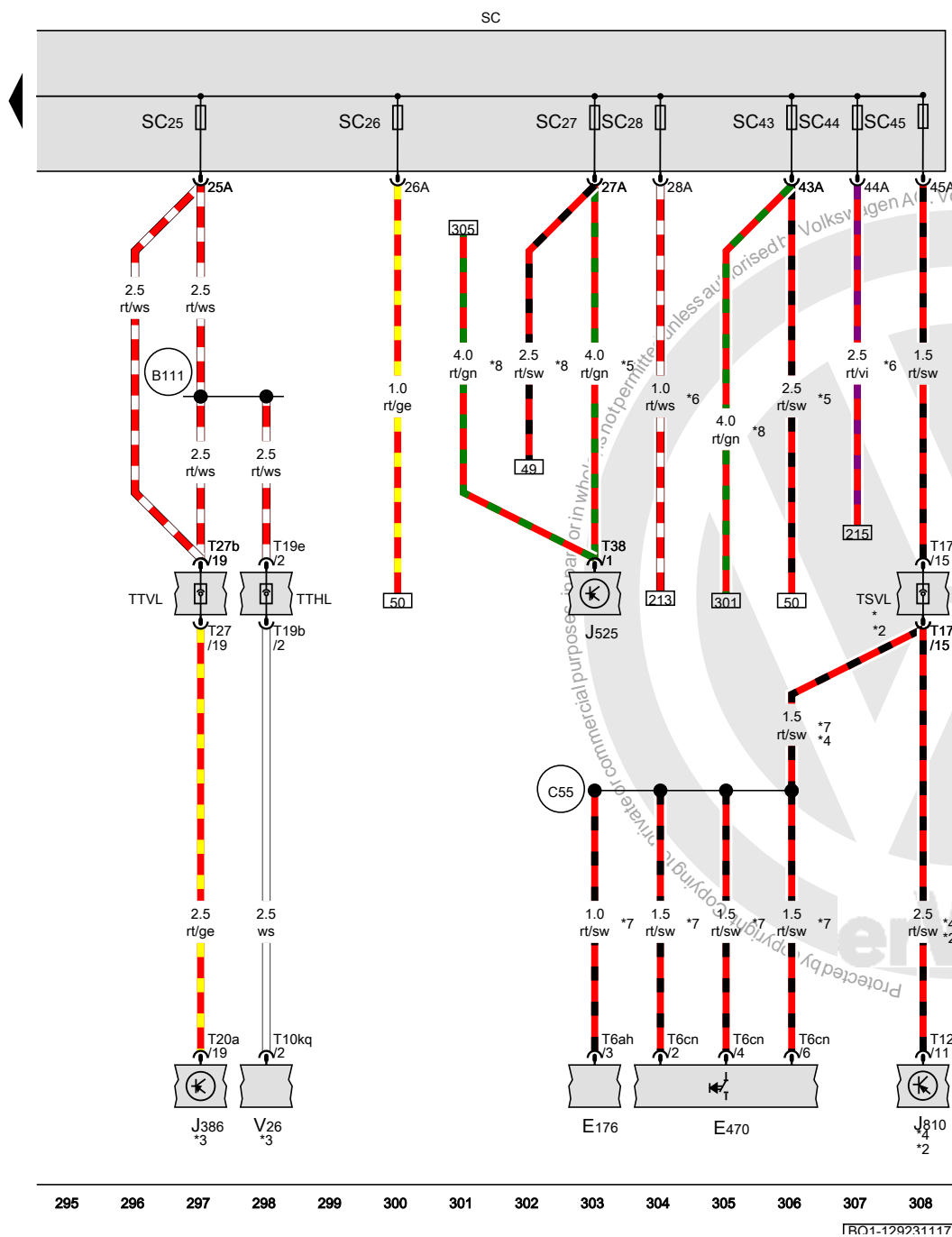
*4 Up to May 2017



Fuse holder C

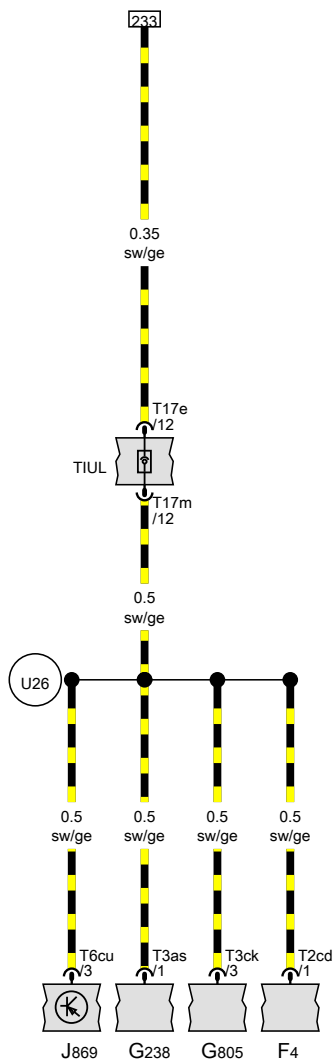
- J245 Sliding sunroof adjustment control unit
- J492 All-wheel drive control unit
- J891 Control unit for reducing agent heater
- J909 Control unit for fuel tank leak detection
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- T5ak 5-pin connector, colourless
- T5be 5-pin connector
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T6de 6-pin connector, black
- T6df 6-pin connector, black
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8s 8-pin connector
- T10le 10-pin connector
- TH Coupling point for roof
- TRMD Coupling point for reducing agent metering system
- TSAA Coupling point for all-wheel drive
- B317 Positive connection 3 (30a) in main wiring harness
- H3 Connection 1 in wiring harness for reducing agent tank
- * For American markets
- *2 According to equipment
- *3 For models with reducing agent metering system
- *4 Up to May 2017
- *5 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Fuse holder C

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- J386 Driver door control unit
- J525 Digital sound package control unit
- J810 Driver seat adjustment control unit
- SC Fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T6ah 6-pin connector
- T6cn 6-pin connector
- T10kq 10-pin connector
- T12an 12-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T19b 19-pin connector, black
- T19e 19-pin connector, black
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T38 38-pin connector
- TSVL Coupling point for front left seat
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- V26 Rear left window regulator motor
- B111 Positive connection 1 (30a), in interior wiring harness
- C55 Positive connection (30a), in front left wiring harness
- * Left-hand drive models
- *2 see applicable current flow diagram
- *3 see applicable current flow diagram for convenience system
- *4 According to equipment
- *5 Up to May 2017
- *6 see applicable current flow diagram for towing bracket
- *7 Wiring colour depends on equipment
- *8 From May 2017
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



- F4 Reversing light switch
- G238 Air quality sensor
- G805 Pressure sender for refrigerant circuit
- J869 Control unit for structure-borne sound
- T2cd 2-pin connector
- T3as 3-pin connector
- T3ck 3-pin connector
- T6cu 6-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- TIUL Coupling point in interior, below left
- U26 Connection (15), in gearbox switch wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Fuse assignment , CUKB

From November 2016





- | | |
|------|--|
| A | Battery, in luggage compartment, under floor panel |
| JX1 | Power and control electronics for electric drive |
| J367 | Battery monitor control unit |
| J500 | Power steering control unit |
| J743 | Mechatronic unit for dual clutch gearbox |
| SA | Fuse holder A |
| SD | Fuse holder D |
| SD1 | Fuse 1 on fuse holder D |
| SA1 | Fuse 1 on fuse holder A |
| SA2 | Fuse 2 on fuse holder A |
| SA3 | Fuse 3 on fuse holder A |
| SA4 | Fuse 4 on fuse holder A |
| SA5 | Fuse 5 on fuse holder A |
| SA6 | Fuse 6 on fuse holder A |
| T1ai | 1-pin connector |
| T1aj | 1-pin connector |
| T2bn | 2-pin connector |
| T2cd | 2-pin connector |
| T2ia | 2-pin connector |
| T4cx | 4-pin connector |
| T28b | 28-pin connector |
| TIUL | Coupling point in interior, below left |
| VX57 | Radiator fan |

- 508

* Pre-wired component

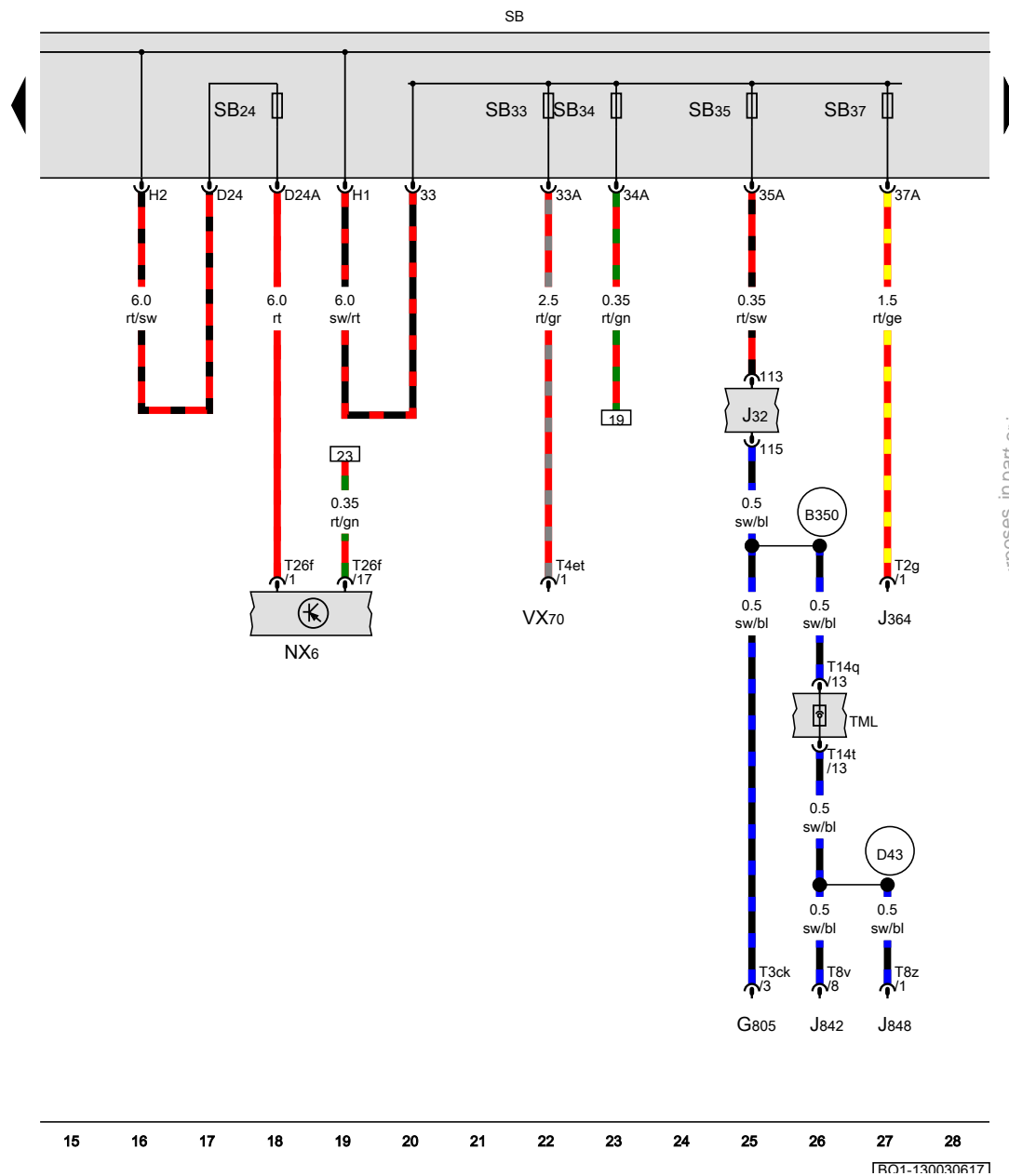
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Air conditioning system relay, Fuse holder B

- G805 Pressure sender for refrigerant circuit
- J32 Air conditioning system relay
- J364 Auxiliary heater control unit
- J842 Control unit for air conditioning compressor
- J848 High-voltage heater (PTC) control unit
- NX6 Brake servo
- SB Fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB33 Fuse 33 on fuse holder B
- SB34 Fuse 34 on fuse holder B
- SB35 Fuse 35 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2g 2-pin connector
- T3ck 3-pin connector
- T4et 4-pin connector
- T8v 8-pin connector
- T8z 8-pin connector
- T14q 14-pin connector
- T14t 14-pin connector
- T26f 26-pin connector
- TML Coupling point in engine compartment, left
- VX70 Brake system pressure accumulator

- (B350) Positive connection 1 (87a) in main wiring harness
- (D43) Connection 5, in engine prewiring harness

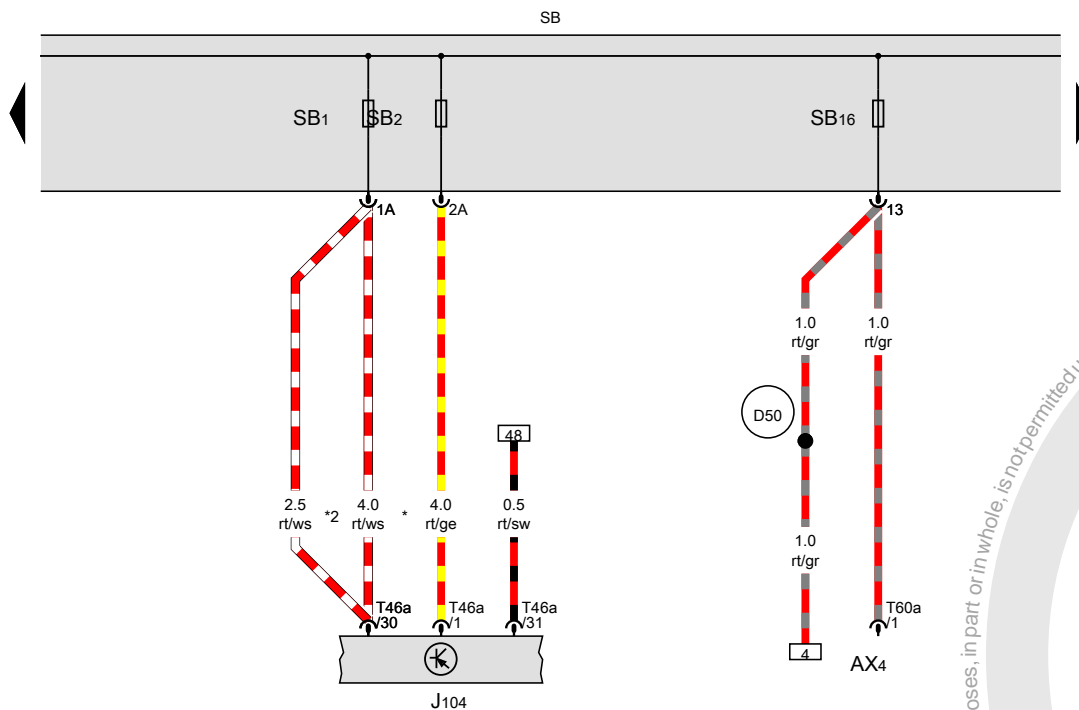
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Fuse holder B

- AX4 Charging unit 1 for high-voltage battery
- J104 ABS control unit
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- T46a 46-pin connector
- T60a 60-pin connector

- D50 Positive connection (30), in engine compartment wiring harness
- * Up to May 2017
- *2 From May 2017



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- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Heated windscreen relay, Fuse holder B

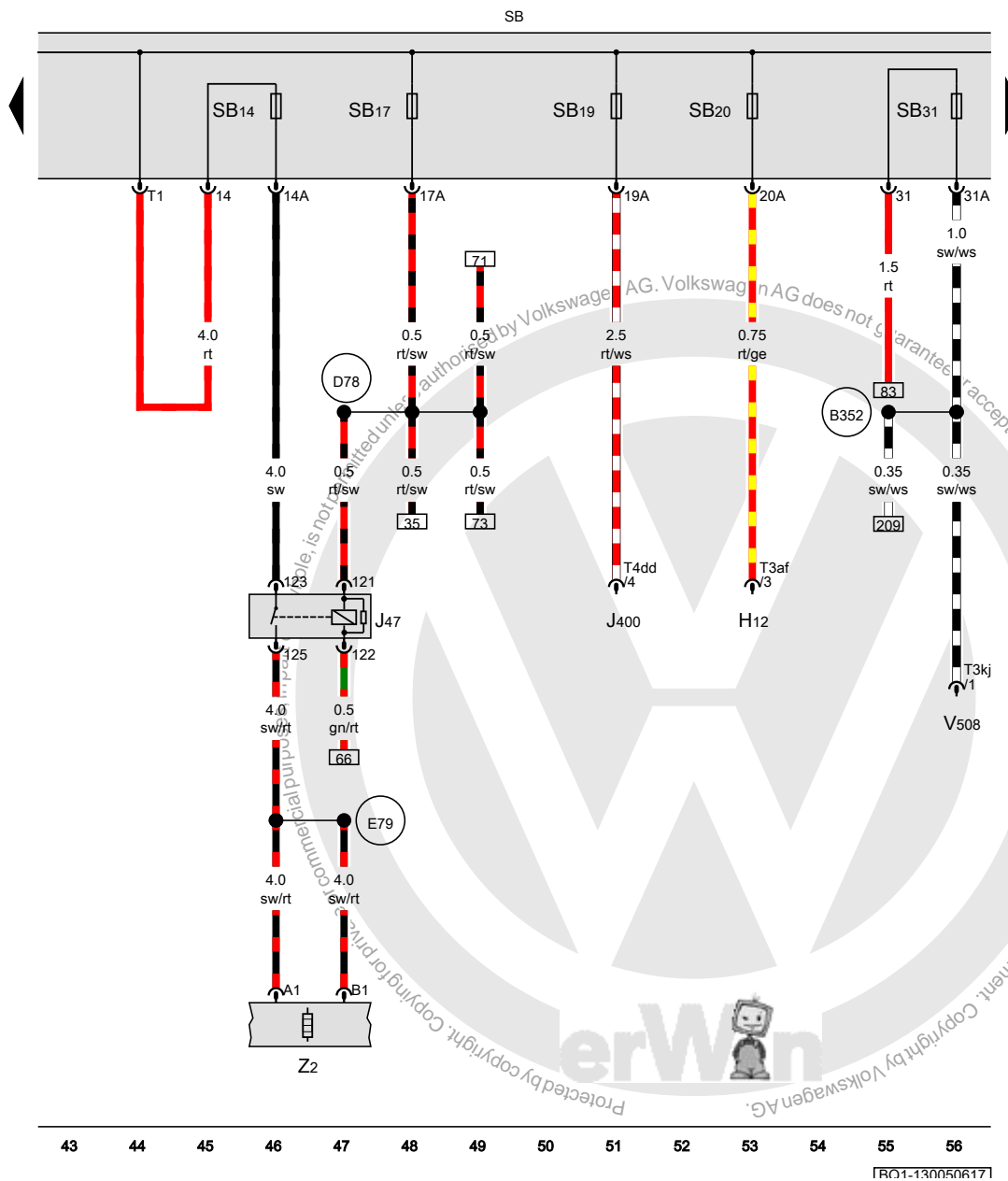
- H12 Alarm horn
- J47 Heated windscreen relay
- J400 Wiper motor control unit
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- T3af 3-pin connector
- T3kj 3-pin connector
- T4dd 4-pin connector
- V508 Coolant circulation pump before power and control electronics for electric drive
- Z2 Heated windscreen

B352 Positive connection 3 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

E79 Connection 3 (87a) in engine wiring harness

ws = white
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 ro = red
 rt = red
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 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



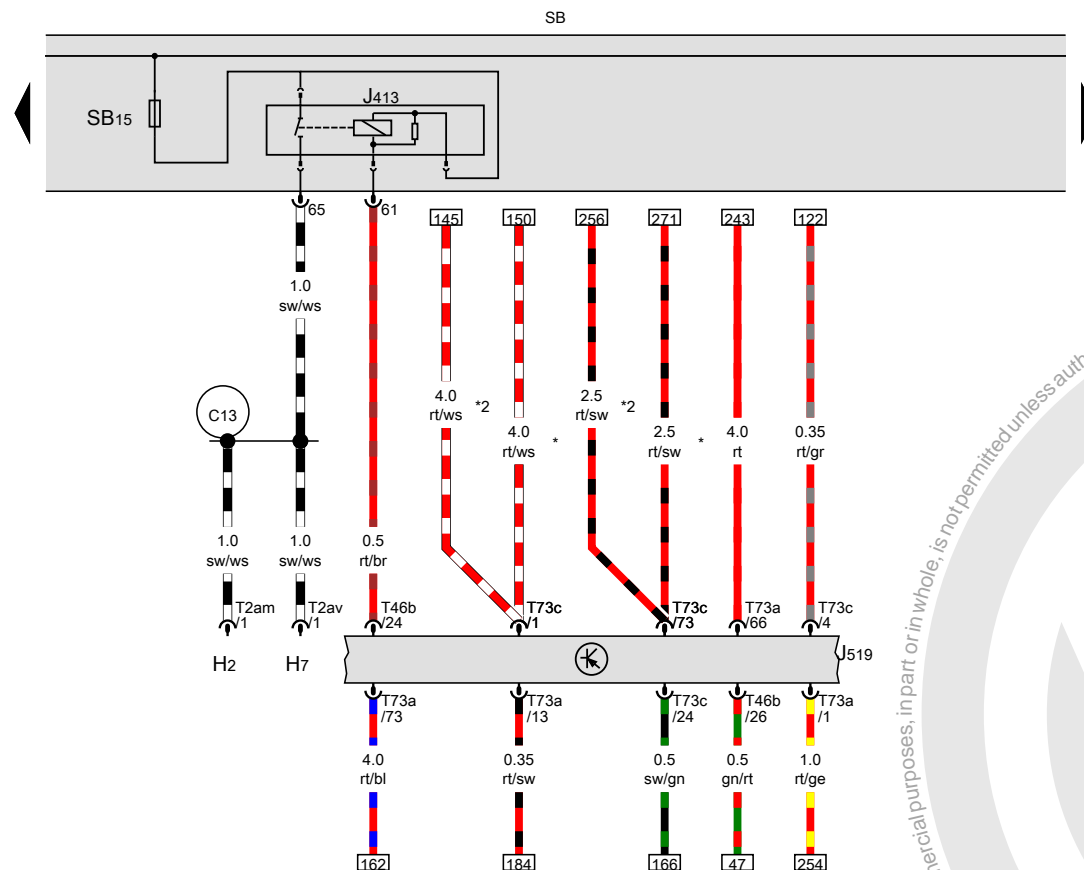
Horn relay, Fuse holder B

- H2 Treble horn
- H7 Bass horn
- J413 Horn relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- T2am 2-pin connector
- T2av 2-pin connector
- T46b 46-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

C13 Positive connection in dual tone horn wiring harness

* Up to May 2017

*2 From May 2017



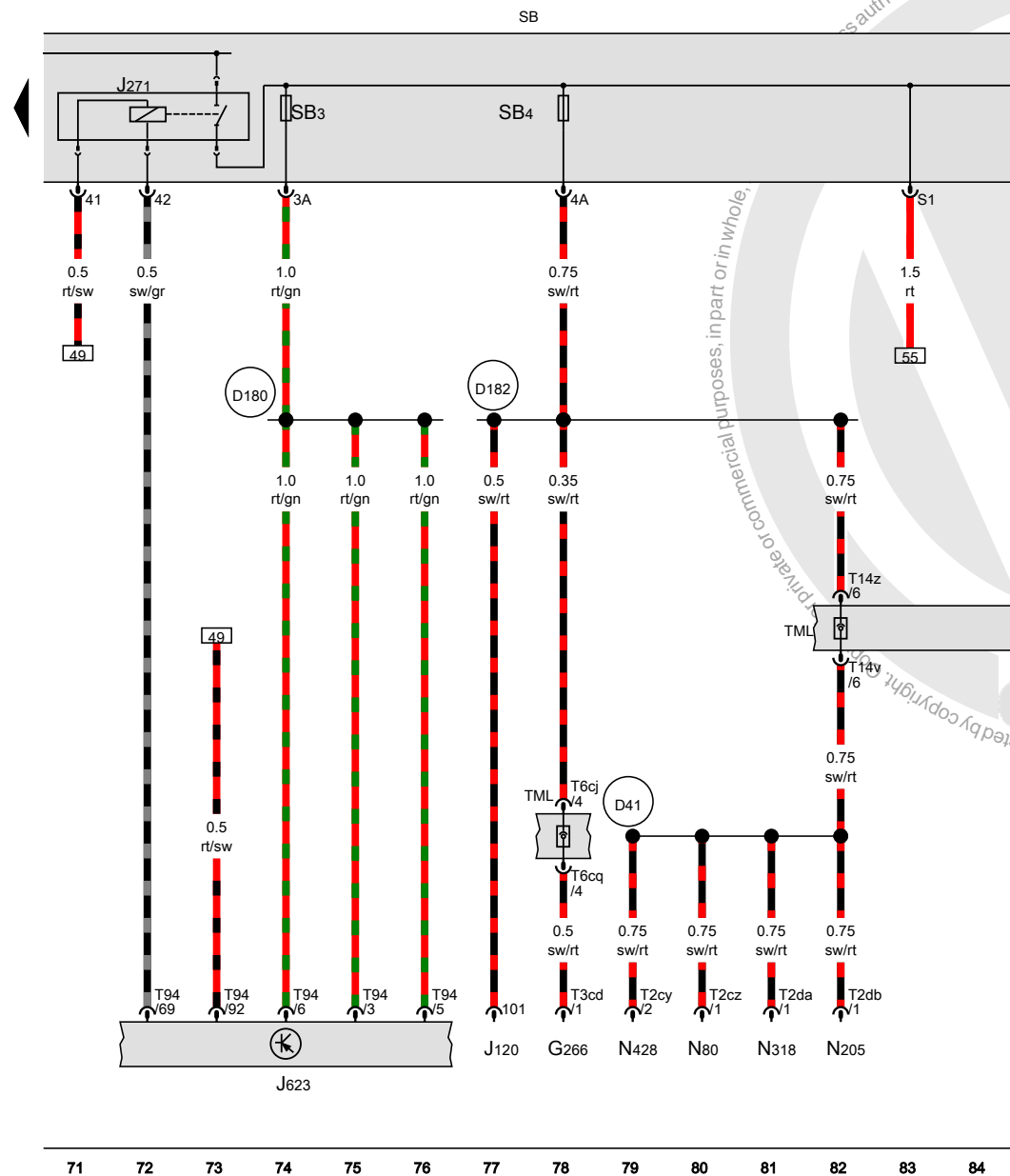
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

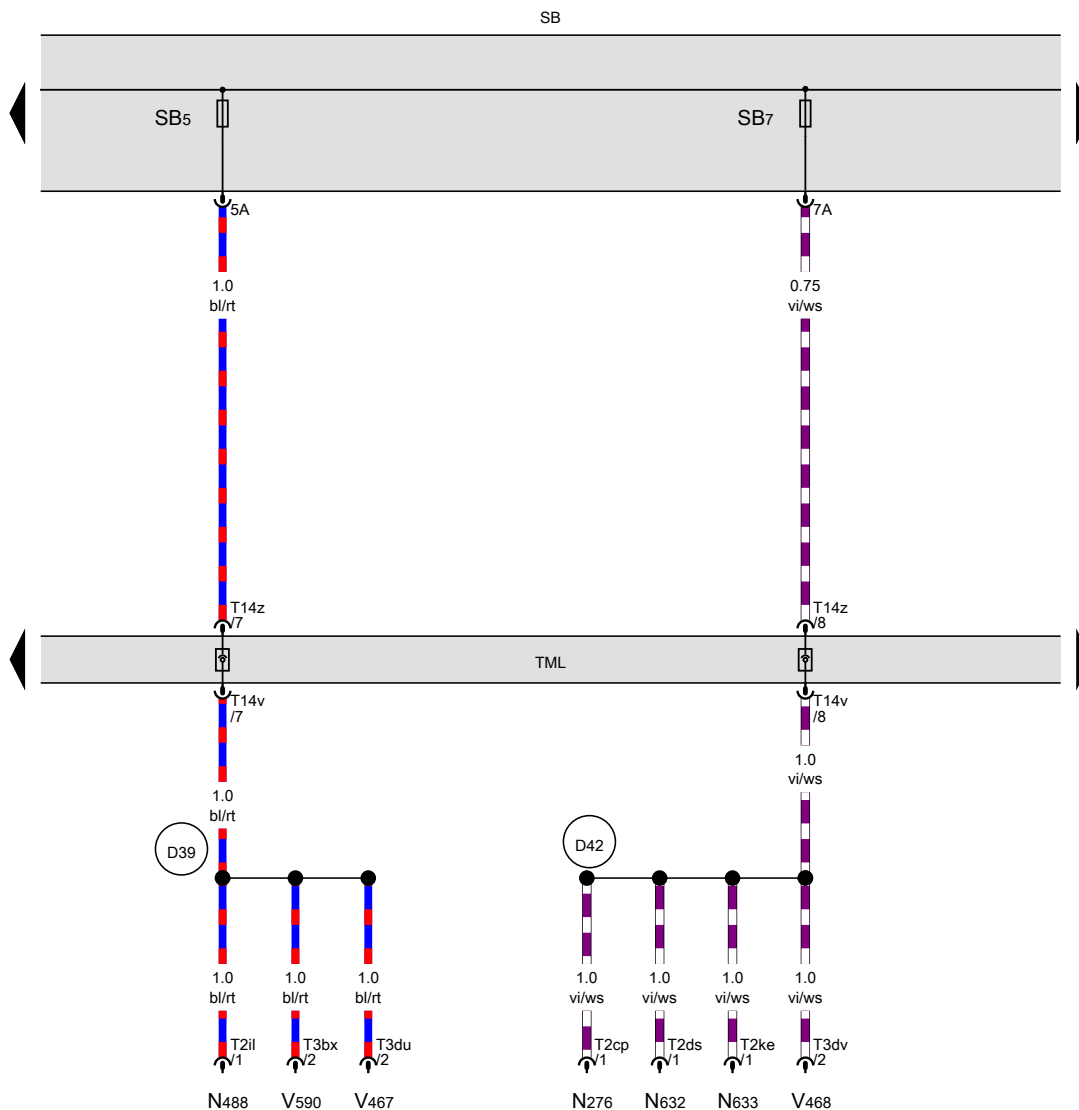
Main relay, Fuse holder B

- G266 Oil level and oil temperature sender
- J120 Coolant shortage indicator control unit
- J271 Main relay
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- T2cy 2-pin connector
- T2cz 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T94 94-pin connector
- TML Coupling point in engine compartment, left

- D41 Connection 3, in engine prewiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Fuse holder B

- N276 Fuel pressure regulating valve
- N488 Coolant valve for gearbox
- N632 Coolant changeover valve 1
- N633 Coolant changeover valve 2
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- T2cp 2-pin connector
- T2ds 2-pin connector
- T2il 2-pin connector, near centre console
- T2ke 2-pin connector
- T3bx 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- TML Coupling point in engine compartment, left
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery

- D39 Connection 1, in engine prewiring harness
- D42 Connection 4, in engine prewiring harness

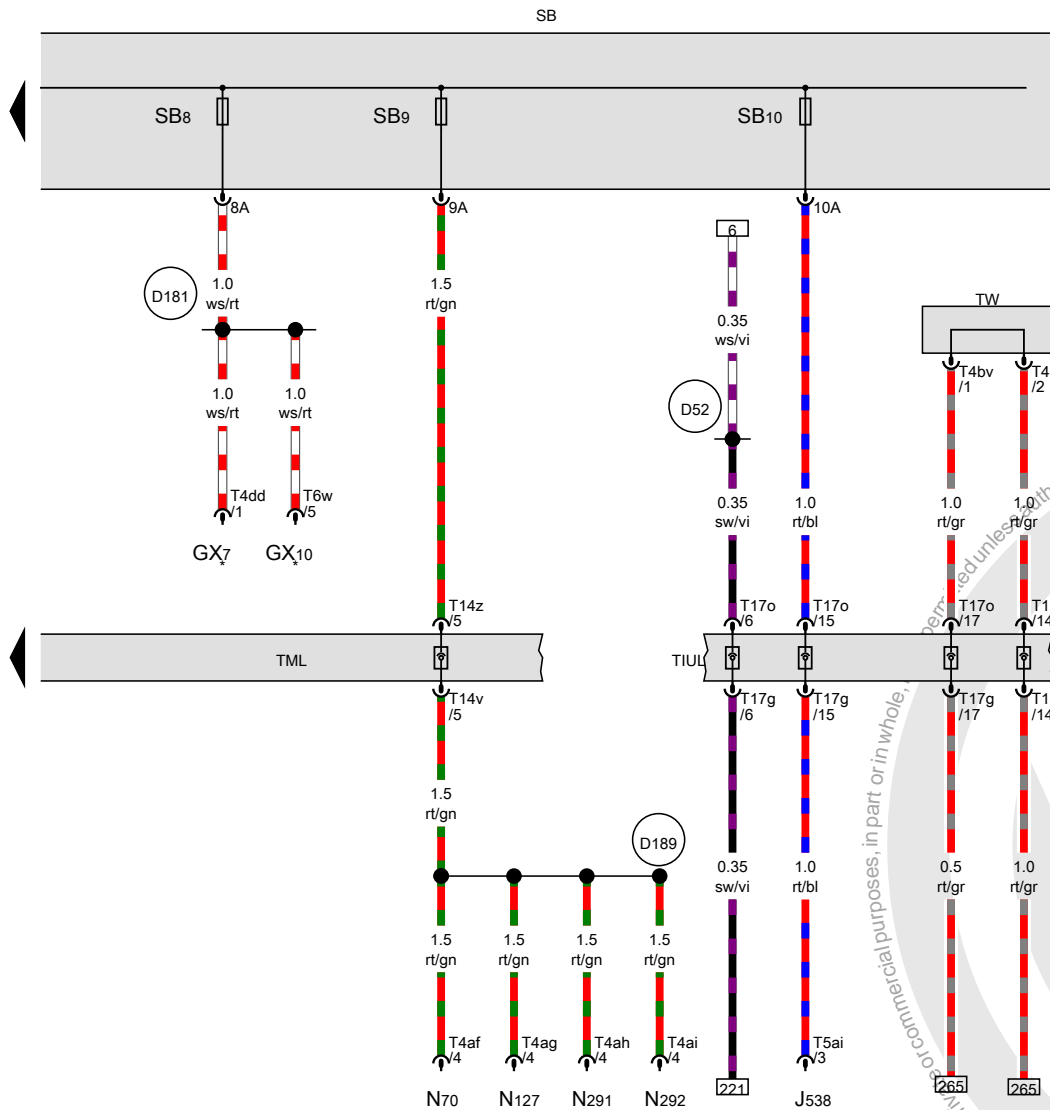
ws = white
 sw = black
 ro = red
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Fuse holder B

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- J538 Fuel pump control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T4bv 4-pin connector
- T4dd 4-pin connector
- T5ai 5-pin connector
- T6w 6-pin connector
- T14v 14-pin connector, grey
- T14z 14-pin connector, grey
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system

- D52 Positive connection (15a), in engine compartment wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- * Pre-wired component

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

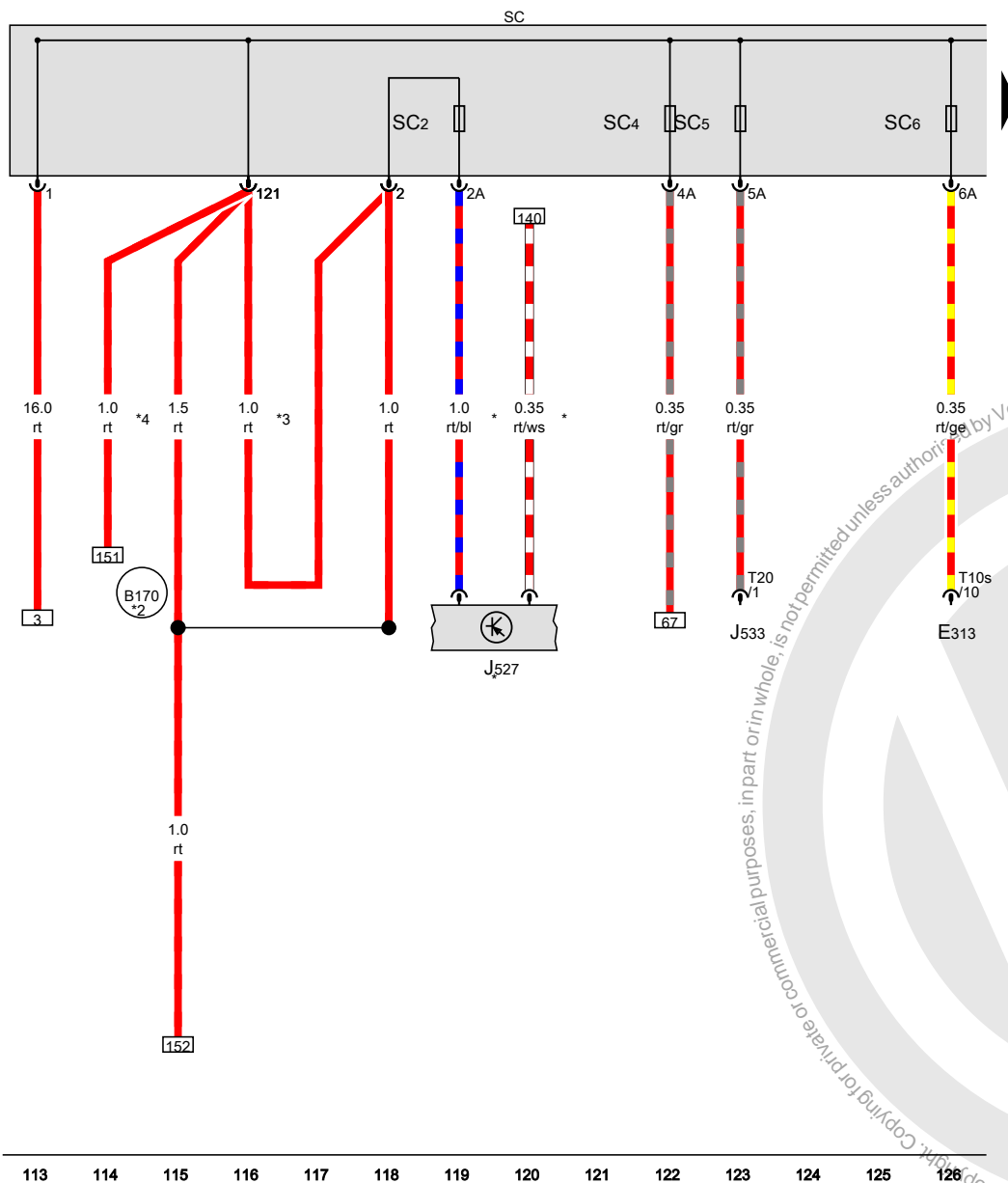


Fuse holder C

- E313 Selector lever
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T10s 10-pin connector
- T20 20-pin connector

B170 Positive connection 2 (30), in interior wiring harness

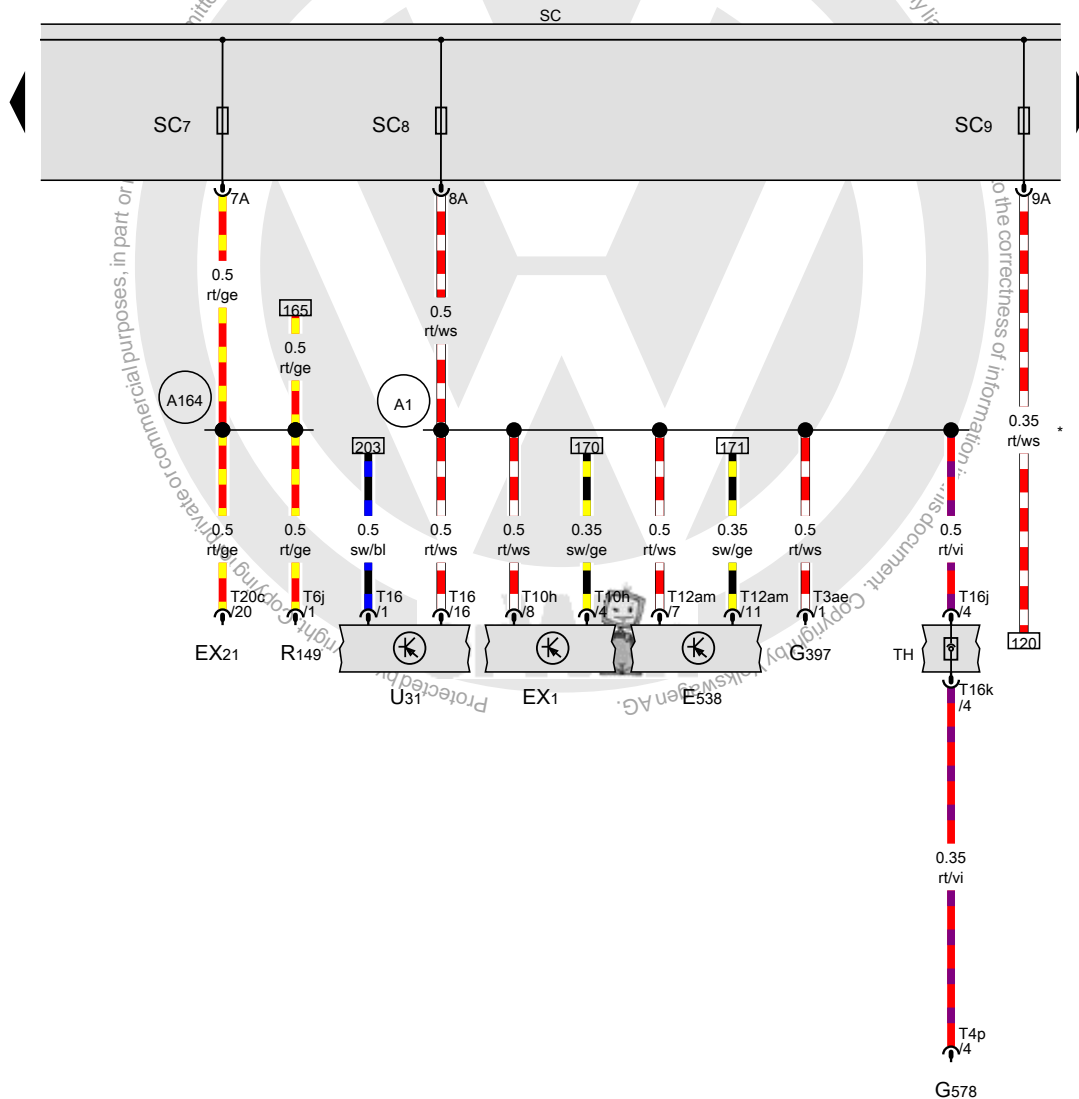
- * see applicable current flow diagram
- *2 For models with heated steering wheel
- *3 Wiring colour depends on equipment
- *4 For models with no heated steering wheel



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- ps = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

130-1301006171



Fuse holder C

- EX1 Rotary light switch
- EX21 Heater and air conditioning controls
- E538 Electromechanical parking brake button
- G397 Rain and light sensor
- G578 Anti-theft alarm sensor
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- T3ae 3-pin connector
- T4p 4-pin connector
- T6j 6-pin connector
- T10h 10-pin connector
- T12am 12-pin connector
- T16 16-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- T20c 20-pin connector
- TH Coupling point for roof
- U31 Diagnostic connection

A1 Positive connection (30a), in dash panel wiring harness

A164 Positive connection 2 (30a) in dash panel wiring harness

* see applicable current flow diagram

- ws = white
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

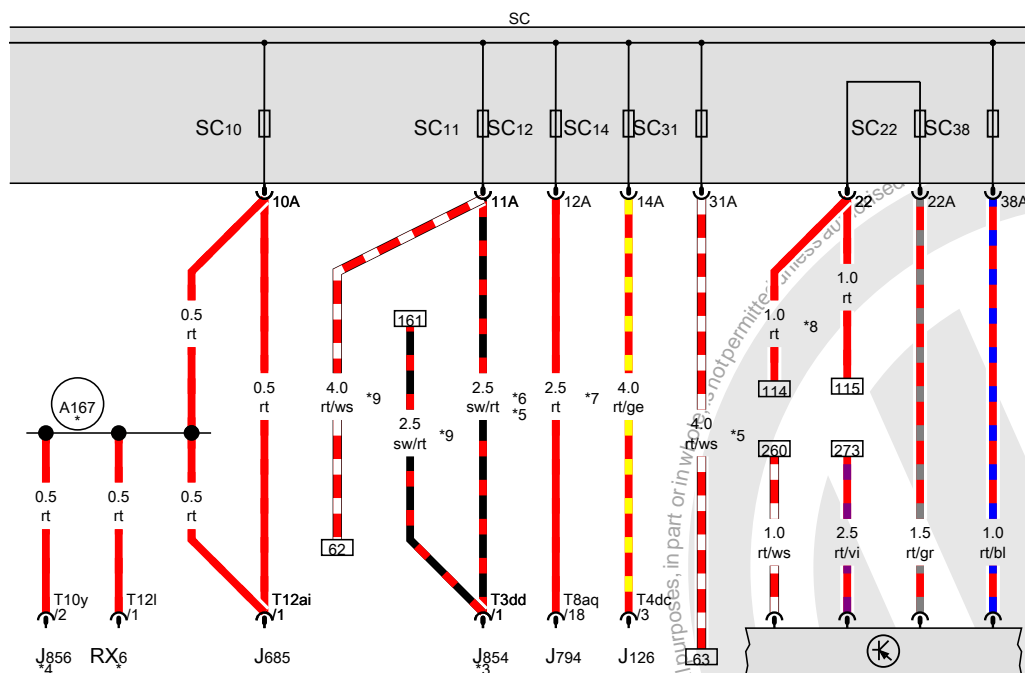
Fuse holder C

- J126 Fresh air blower control unit
- J345 Trailer detector control unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J854 Control unit for front left belt tensioner
- J856 Control unit for navigation system
- RX6 TV tuner
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- T3dd 3-pin connector
- T4dc 4-pin connector
- T8aq 8-pin connector, black
- T10y 10-pin connector
- T12ai 12-pin connector
- T12l 12-pin connector, black

A167 Positive connection 3 (30a) in dash panel wiring harness

- * According to equipment
- *2 see applicable current flow diagram for towing bracket
- *3 see applicable current flow diagram for airbag
- *4 For models with equipment for Korea
- *5 Up to May 2017
- *6 Wiring colour depends on equipment
- *7 Cross section depends on equipment
- *8 For models with no heated steering wheel
- *9 From May 2017

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



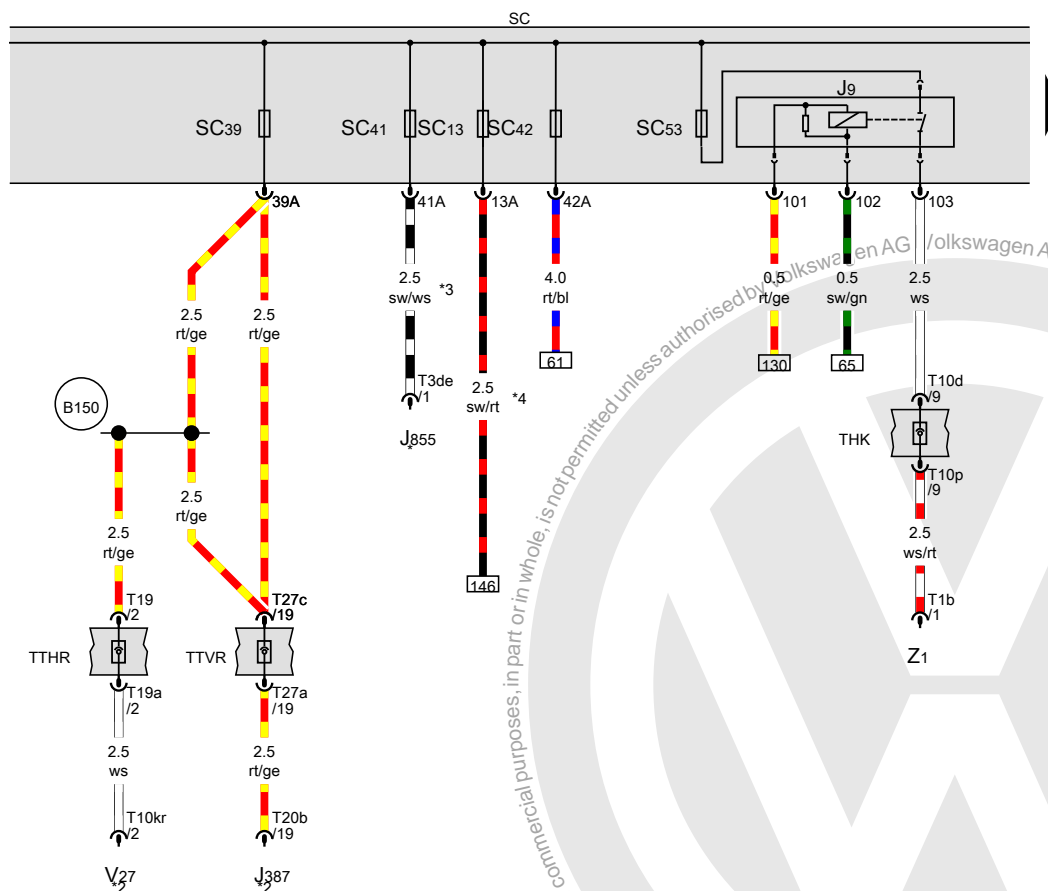
141 142 143 144 145 146 147 148 149 150 151 152 153 154

1801-1301206171

Heated rear window relay, Fuse holder C

- J9 Heated rear window relay
- J387 Front passenger door control unit
- J855 Control unit for front right belt tensioner
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T1b 1-pin connector
- T3de 3-pin connector
- T10d 10-pin connector, black
- T10kr 10-pin connector
- T10p 10-pin connector, black
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- THK Coupling point for rear lid
- THHR Coupling point for rear right door
- TTVR Coupling point for front right door
- V27 Rear right window regulator motor
- Z1 Heated rear window
- B150 Positive connection 2 (30a), in interior wiring harness
- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for convenience system
- *3 Wiring colour depends on equipment
- *4 From May 2017

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



155 156 157 158 159 160 161 162 163 164 165 166 167 168

[RO1-130130617]

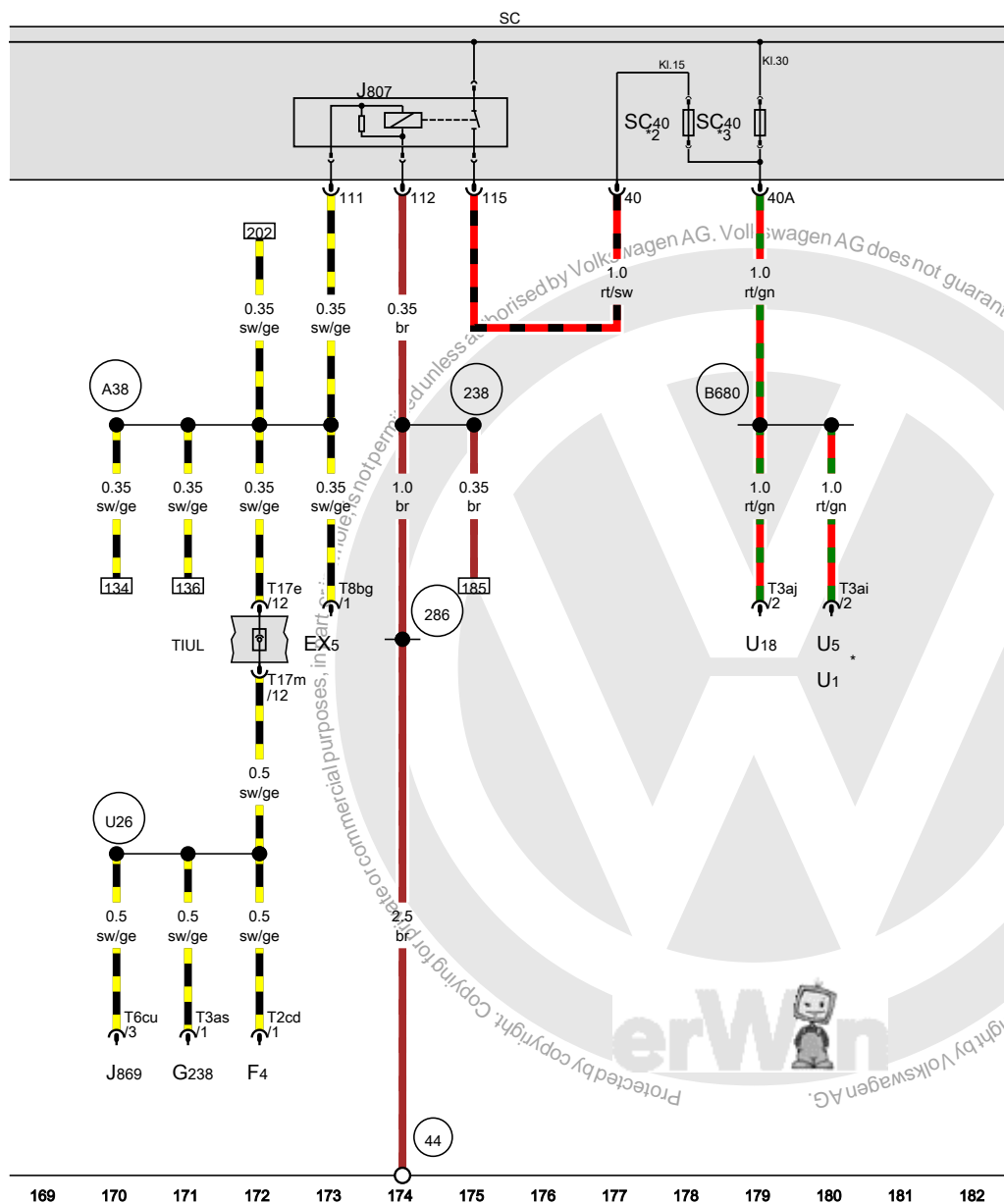
Relay for power sockets, Fuse holder C

- EX5 Interior mirror
- F4 Reversing light switch
- G238 Air quality sensor
- J807 Relay for power sockets
- J869 Control unit for structure-borne sound
- SC Fuse holder C
- SC40 Fuse 40 on fuse holder C
- T2cd 2-pin connector
- T3ai 3-pin connector
- T3aj 3-pin connector
- T3as 3-pin connector
- T6cu 6-pin connector
- T8bg 8-pin connector
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- TIUL Coupling point in interior, below left
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B680 Connection (electric socket), in interior wiring harness
- U26 Connection (15), in gearbox switch wiring harness

- * According to equipment
- *2 Factory fitted with power supply from terminal 15
- *3 Power supply via terminal 30 possible

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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169 170 171 172 173 174 175 176 177 178 179 180 181 182

Terminal 15 voltage supply relay, Fuse holder C

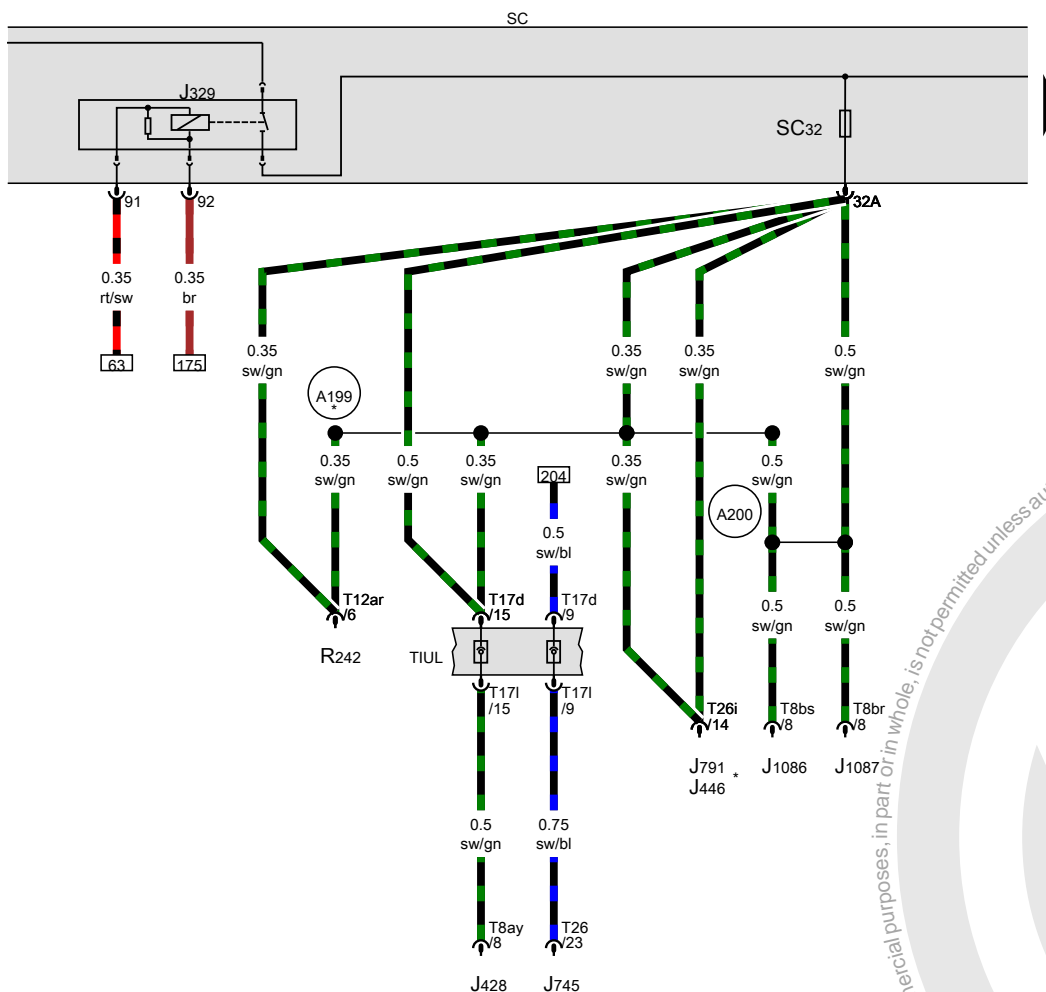
- J329 Terminal 15 voltage supply relay
- J428 Adaptive cruise control
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- J791 Park assist steering control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- T8ay 8-pin connector
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T12ar 12-pin connector
- T17d 17-pin connector, black
- T17i 17-pin connector, black
- T26 26-pin connector
- T26i 26-pin connector
- TIUL Coupling point in interior, below left

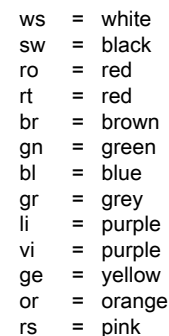
A199 Positive connection 4 (15a) in dash panel wiring harness

A200 Positive connection 5 (15a) in dash panel wiring harness

* According to equipment

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
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- vi = purple
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- or = orange
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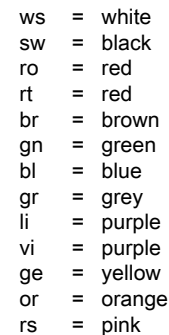
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
MX1	Front left headlight
MX2	Front right headlight
N288	Fuel tank shut-off valve
SC	Fuse holder C
SC33	Fuse 33 on fuse holder C
SC34	Fuse 34 on fuse holder C
SC35	Fuse 35 on fuse holder C
SC36	Fuse 36 on fuse holder C
SC37	Fuse 37 on fuse holder C
T2kk	2-pin connector
T4cv	4-pin connector, black
T4cw	4-pin connector, black
T4g	4-pin connector
T14j	14-pin connector
T14k	14-pin connector
T17f	17-pin connector, black
T17n	17-pin connector, red
T90	90-pin connector
THRM	Coupling point in luggage compartment, centre
TIUL	Coupling point in interior, below left

T1 Positive connection 1, in airbag wiring harness

* see applicable current flow diagram

*2 Up to May 2017

*3 From May 2017



E234	Rear lid handle release button
R189	Reversing camera
SC	Fuse holder C
SC47	Fuse 47 on fuse holder C
SC49	Fuse 49 on fuse holder C
T4dc	4-pin connector
T4u	4-pin connector
T10l	10-pin connector, brown
T10n	10-pin connector, brown
THK	Coupling point for rear lid
V12	Rear window wiper motor
B610	Connection 6, in interior wiring harness
Q155	Connection (30a), in rear lid wiring harness
*	Up to May 2017
*2	see applicable current flow diagram
*3	For models with reversing camera system
*4	According to equipment

Fuse holder C

- D8 Chip card reader
- J764 Control unit for electronic steering column lock
- J949 Emergency call module control unit and communication unit
- J984 Two-way signal amplifier for mobile telephone/data services
- KX2 Dash panel insert
- R265 Storage compartment with interface for mobile telephone
- R293 USB hub, under centre console
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4t 4-pin connector
- T10lh 10-pin connector
- T16s 16-pin connector
- T18 18-pin connector
- T26a 26-pin connector
- TI Coupling point in interior, in centre console

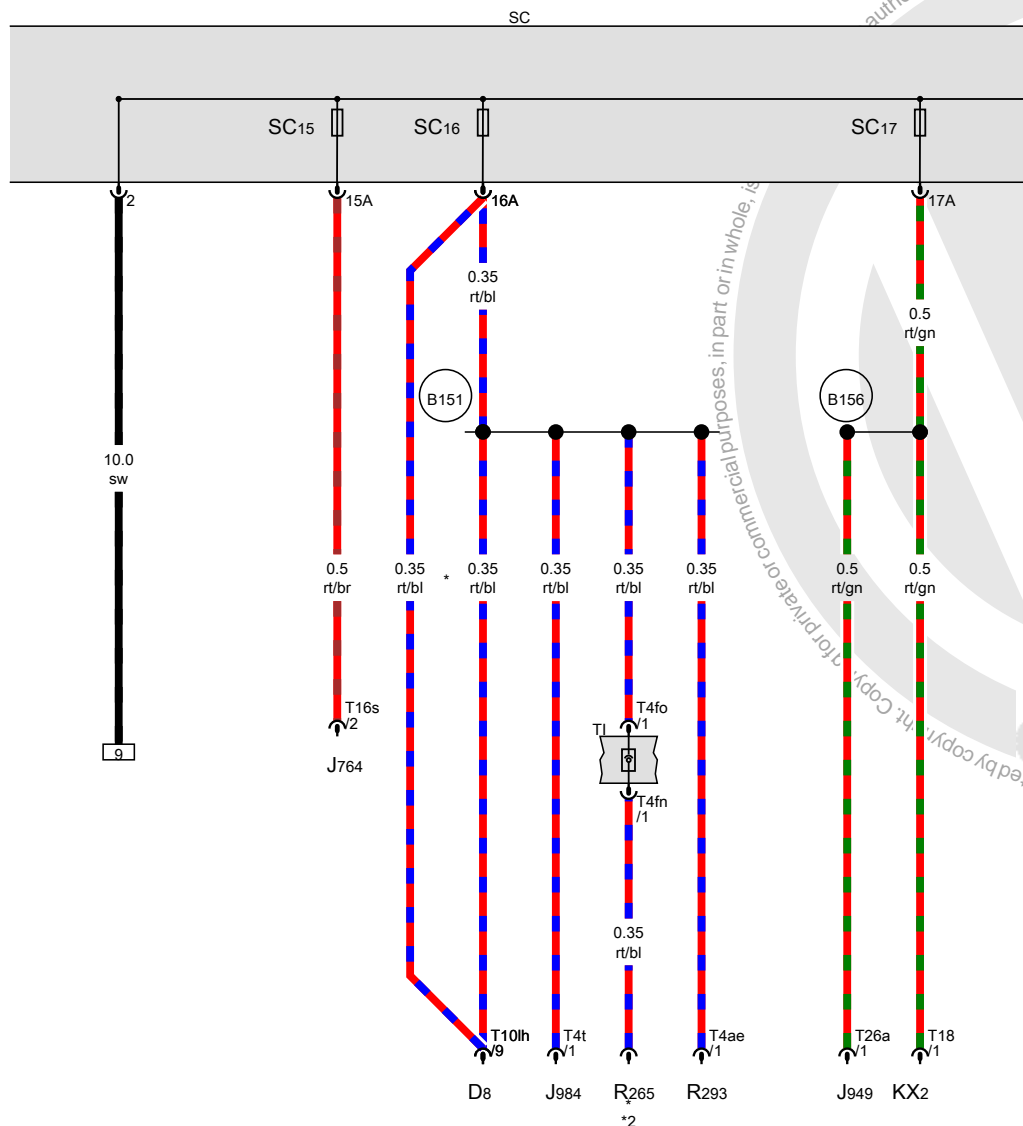
B151 Positive connection 3 (30a), in interior wiring harness

B156 Positive connection (30a), in interior wiring harness

* According to equipment

*2 see applicable current flow diagram

- ws = white
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225 226 227 228 229 230 231 232 233 234 235 236 237 238

[RC01-130180617]

Fuse holder C

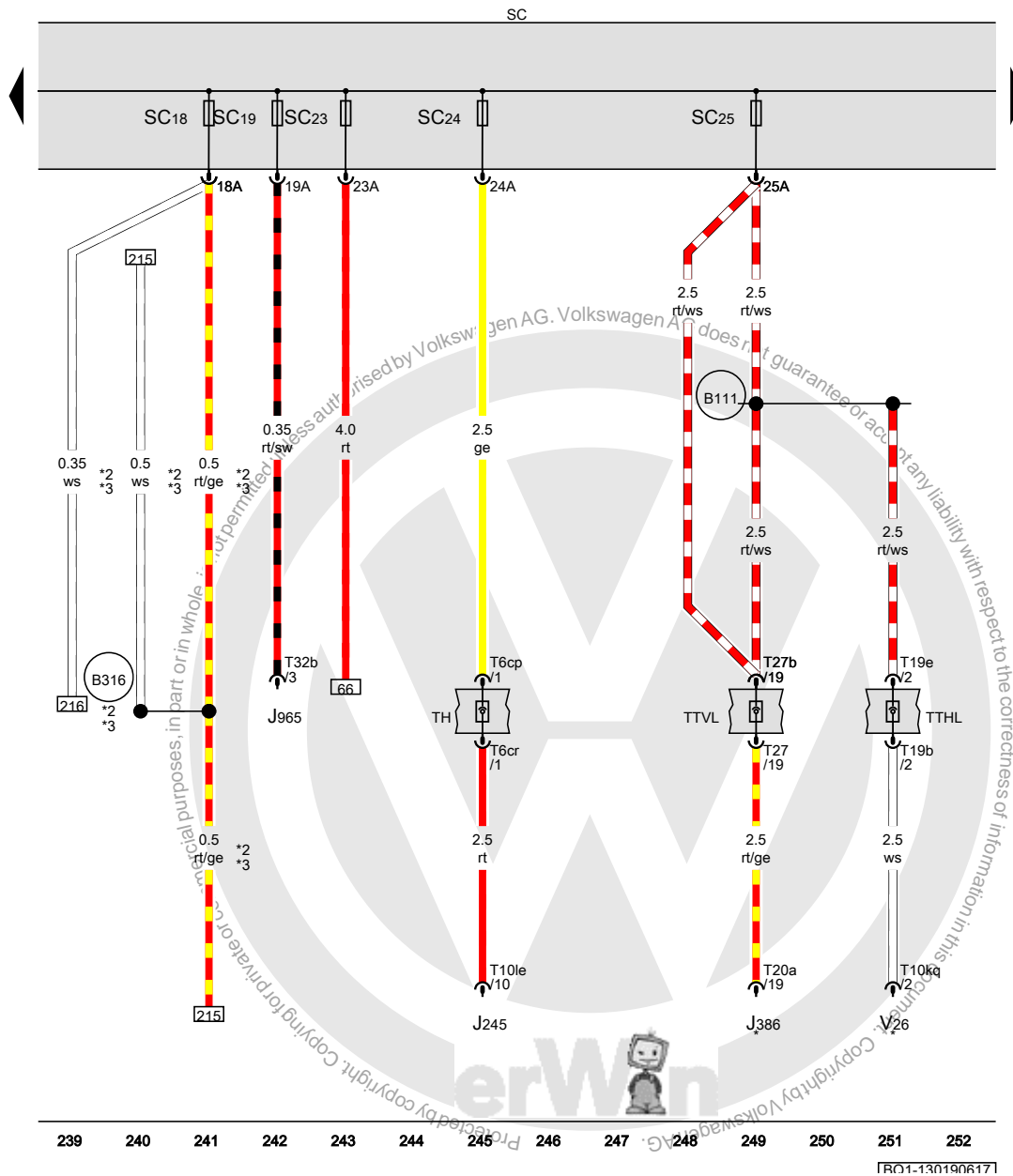
- J245 Sliding sunroof adjustment control unit
- J386 Driver door control unit
- J965 Interface for entry and start system
- SC Fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T10kq 10-pin connector
- T10le 10-pin connector
- T19b 19-pin connector, black
- T19e 19-pin connector, black
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32b 32-pin connector
- TH Coupling point for roof
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- V26 Rear left window regulator motor

B111 Positive connection 1 (30a), in interior wiring harness

B316 Positive connection 2 (30a) in main wiring harness

- * see applicable current flow diagram for convenience system
- *2 According to equipment
- *3 see applicable current flow diagram

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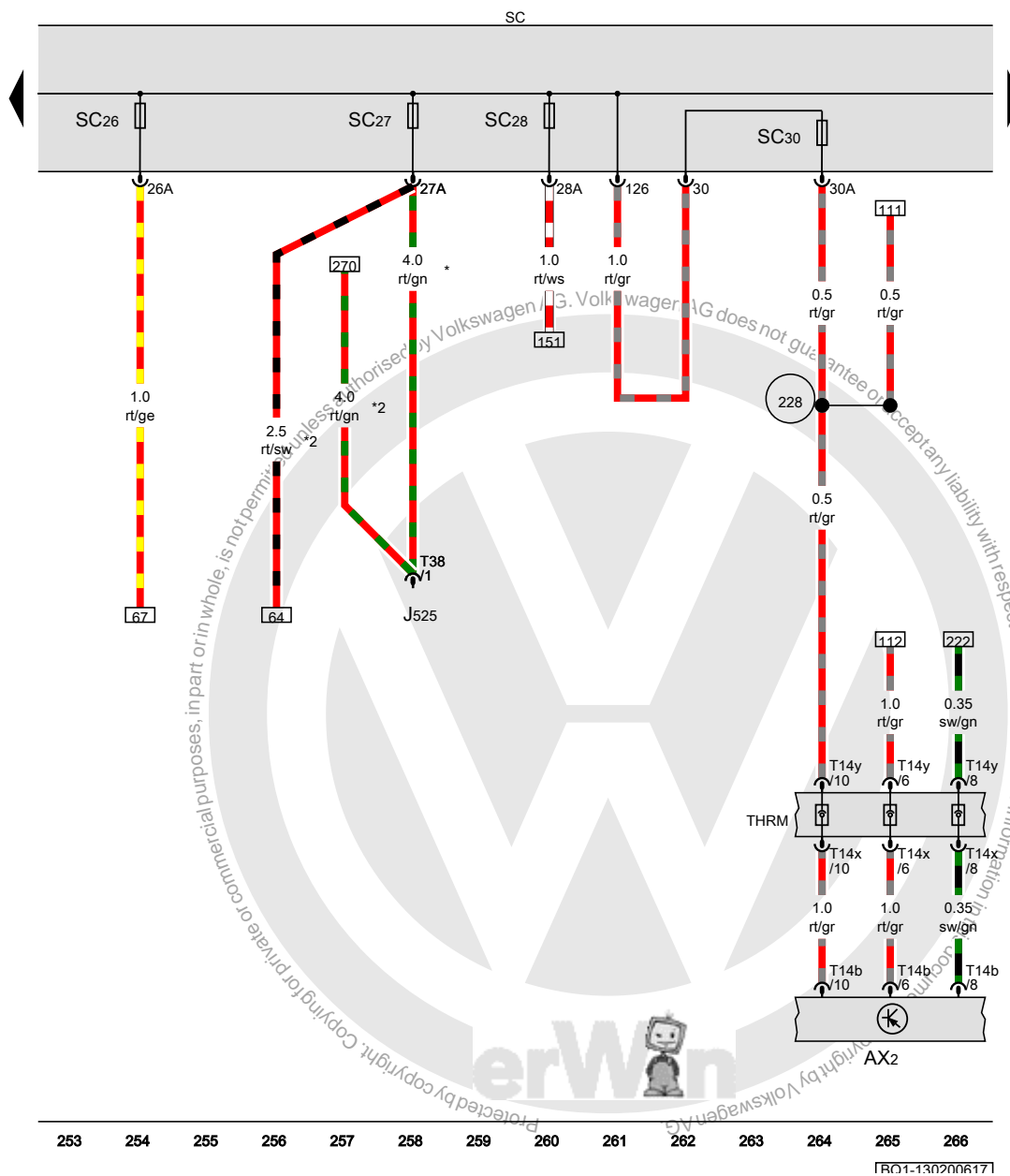
Fuse holder C

- AX2 High-voltage battery 1
- J525 Digital sound package control unit
- SC Fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- T14b 14-pin connector
- T14x 14-pin connector
- T14y 14-pin connector
- T38 38-pin connector
- THRM Coupling point in luggage compartment, centre

228 Connection, in harness

* Up to May 2017

*2 From May 2017



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- rs = pink

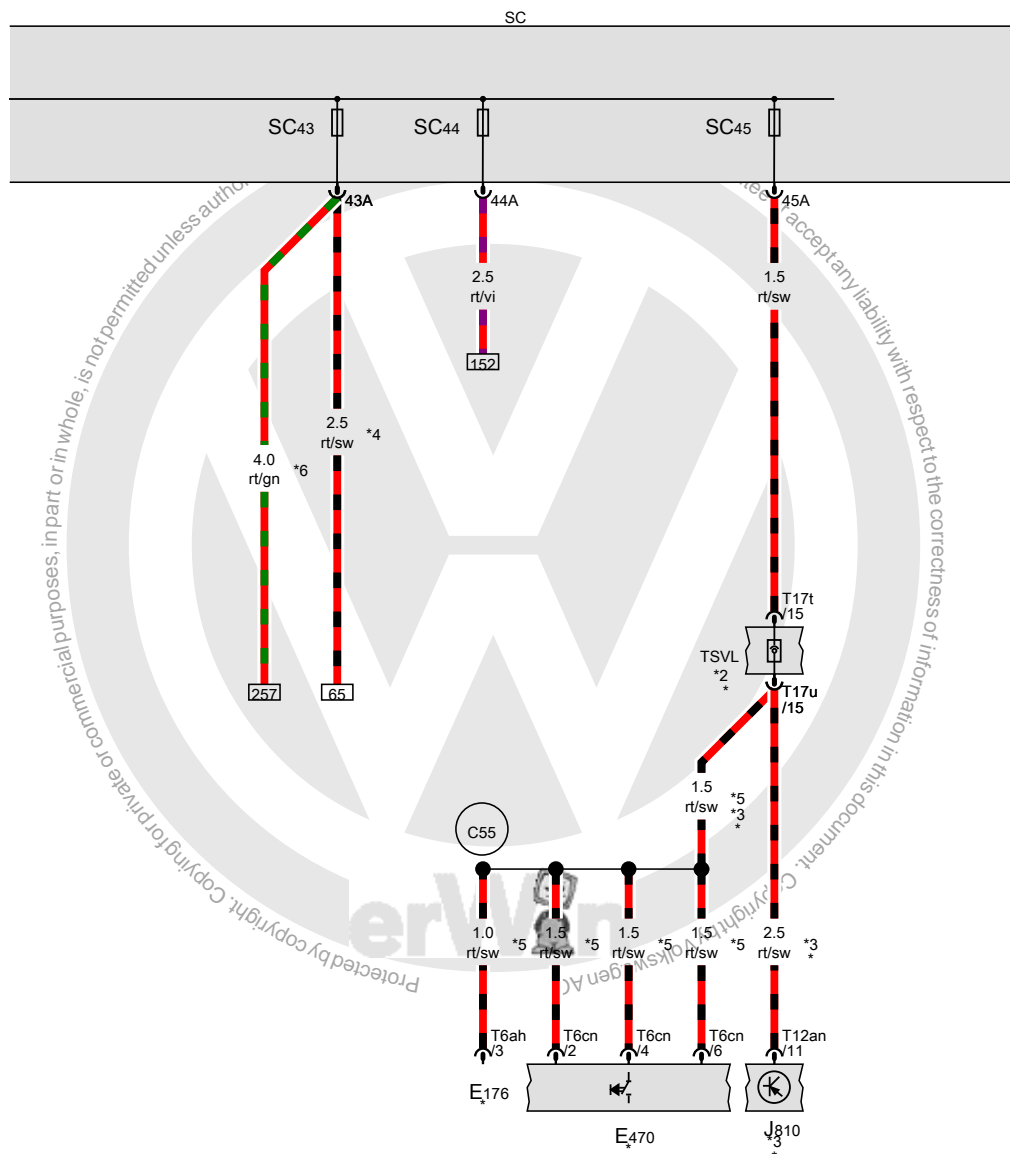
Fuse holder C

- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- J810 Driver seat adjustment control unit
- SC Fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T6ah 6-pin connector
- T6cn 6-pin connector
- T12an 12-pin connector, black
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- TSVL Coupling point for front left seat

C55 Positive connection (30a), in front left wiring harness

- * see applicable current flow diagram
- *2 Left-hand drive models
- *3 According to equipment
- *4 Up to May 2017
- *5 Wiring colour depends on equipment
- *6 From May 2017

ws = white
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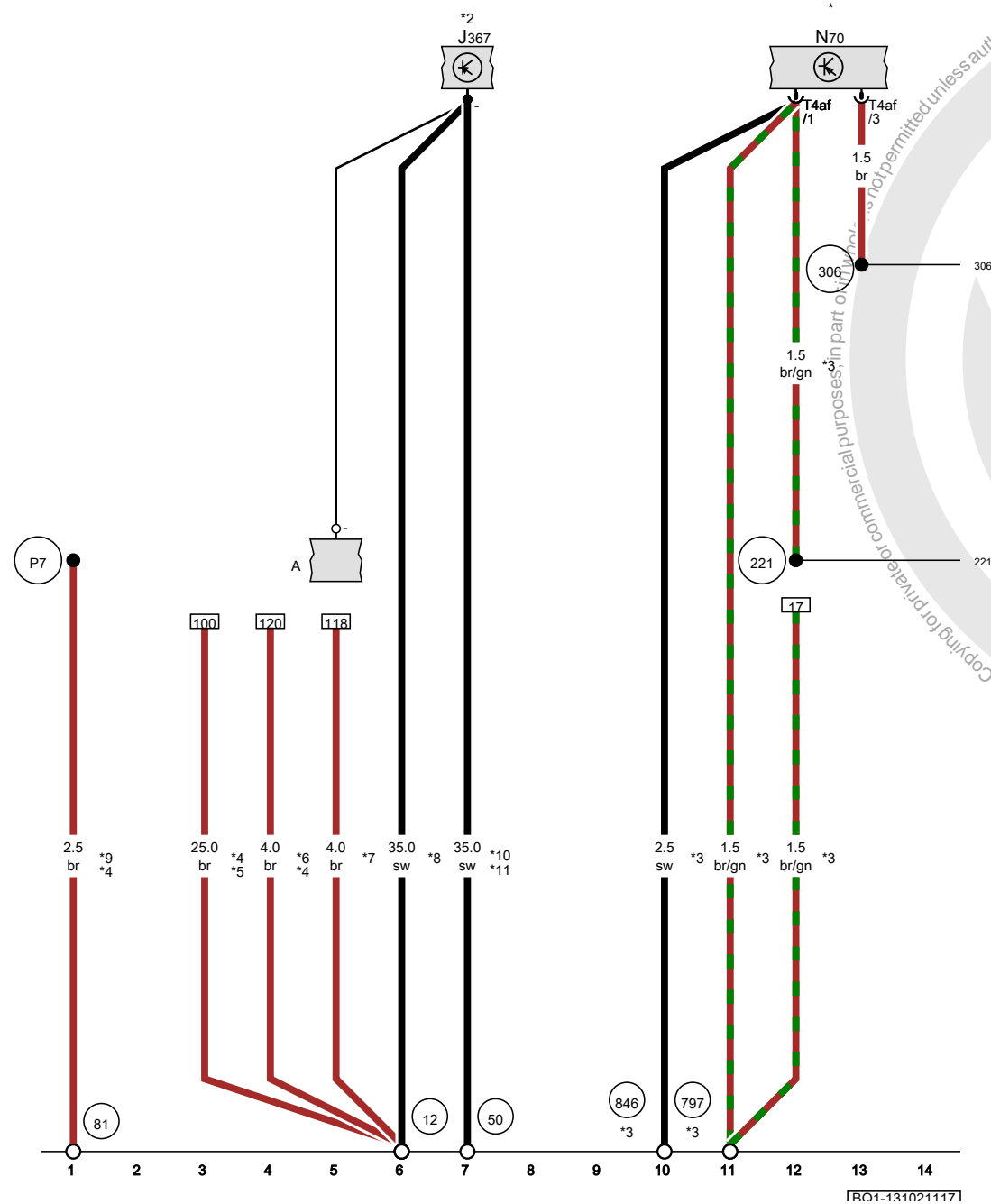
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Earthing concept

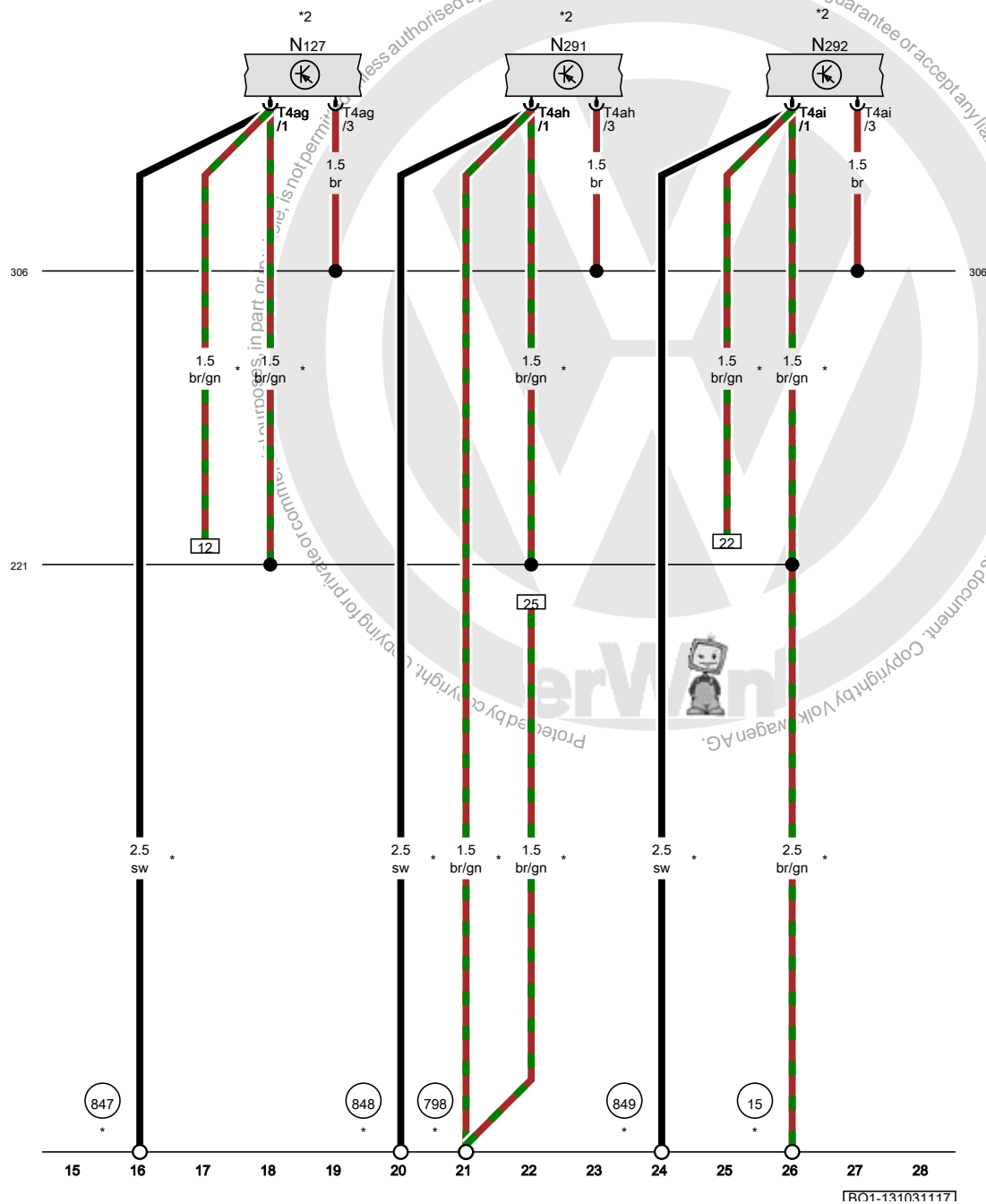
From November 2016





Earth point, on left in engine compartment, Earth connection (engine earth), in engine wiring harness, Earth connection (ignition coils), in engine prewiring harness

- A Battery
- J367 Battery monitor control unit
- N70 Ignition coil 1 with output stage
- T4af 4-pin connector
- 12 Earth point, on left in engine compartment
- 50 Earth point, on left in luggage compartment
- 81 Earth point in centre of engine compartment, near front bumper
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- 797 Earth point on cylinder block for ignition coil, cylinders 1 and 2
- 846 Earth point on ignition coil 1
- P7 Connection 1, in high-voltage battery wiring harness
- * For models with petrol engine
- *2 on the battery
- *3 see applicable current flow diagram for engine
- *4 see applicable current flow diagram for high-voltage system
- *5 Potential equalisation line 2 for power and control electronics for electric drive (P66)
- *6 For left-hand drive models
- *7 For right-hand drive models
- *8 For models with battery in engine compartment
- *9 High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)
- *10 For models with hybrid drive system
- *11 For models with battery in luggage compartment

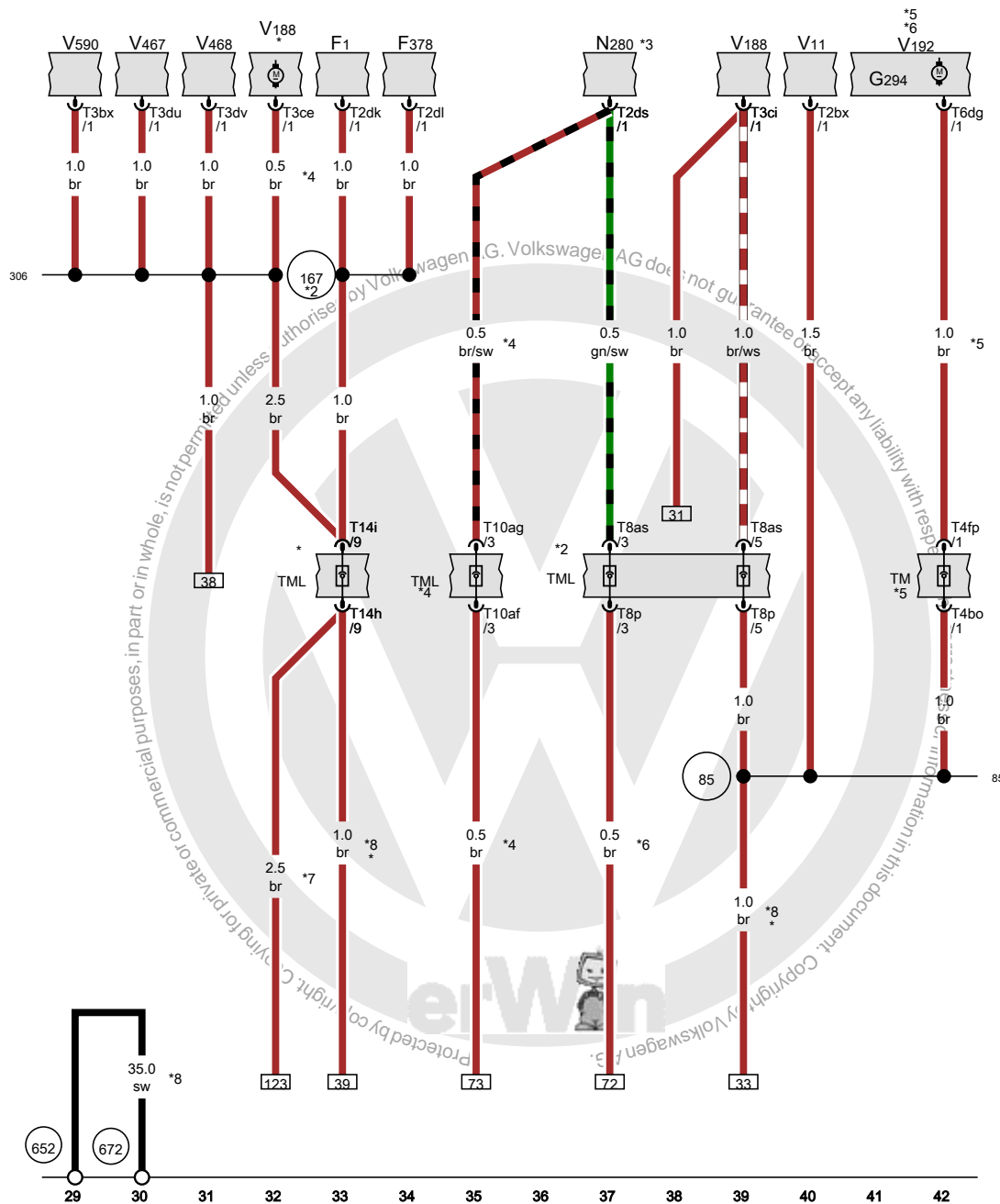


Earth connection (engine earth), in engine wiring harness,
Earth connection (ignition coils), in engine prewiring
harness

- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- 798 Earth point on cylinder block for ignition coil, cylinders 3 and 4
- 847 Earth point on ignition coil 2
- 848 Earth point on ignition coil 3
- 849 Earth point on ignition coil 4

* see applicable current flow diagram for engine
*2 For models with petrol engine



Earth connection 1, in engine compartment wiring harness,
Earth connection 4, in engine compartment wiring harness,
Earth connection (ignition coils), in engine prewiring
harness, Earth point, engine and gearbox earth, Earth point
2, on front of left longitudinal member

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G294 Brake servo pressure sensor
- N280 Air conditioner compressor regulating valve
- T2bx 2-pin connector
- T2dk 2-pin connector
- T2dl 2-pin connector
- T2ds 2-pin connector
- T3bx 3-pin connector
- T3ce 3-pin connector, black
- T3ci 3-pin connector
- T3du 3-pin connector
- T3dv 3-pin connector
- T4bo 4-pin connector, black
- T4fp 4-pin connector, black
- T6dg 6-pin connector, black
- T8as 8-pin connector, black
- T8p 8-pin connector, black
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- TM Coupling point in engine compartment
- TML Coupling point in engine compartment, left
- V11 Headlight washer system pump
- V188 Charge air cooling pump
- V192 Vacuum pump for brakes
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit
- V590 Coolant pump for high-voltage battery

- 85 Earth connection 1, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 306 Earth connection (ignition coils), in engine prewiring harness
- 652 Earth point, engine and gearbox earth
- 672 Earth point 2, on front of left longitudinal member

* see applicable current flow diagram for engine
*2 For models with diesel engine

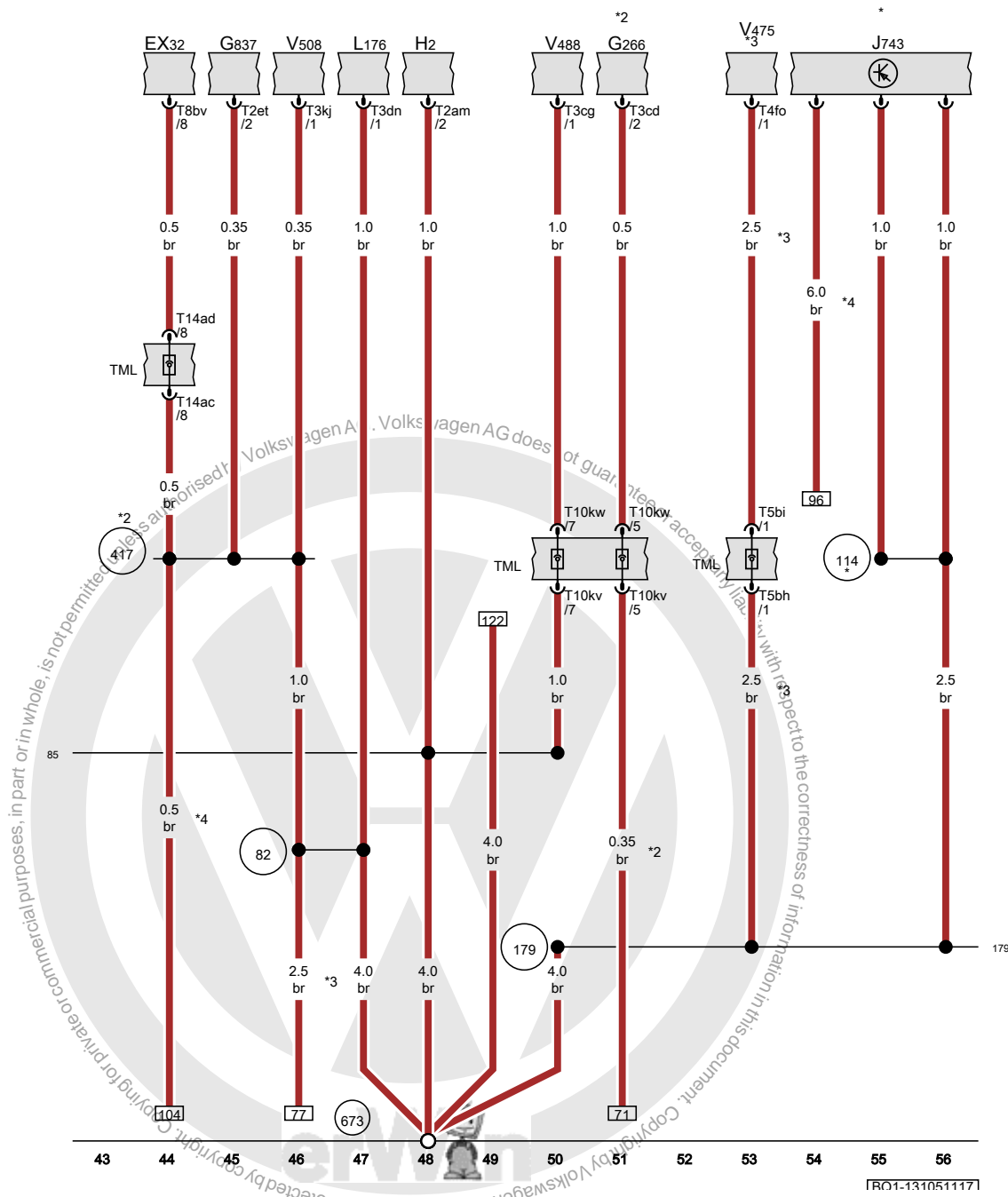
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ws = white

sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

*3 see applicable current flow diagram for air conditioning
*4 According to equipment
*5 For models with equipment for Japan
*6 see applicable current flow diagram
*7 For models with hybrid drive system
*8 Cross section depends on equipment

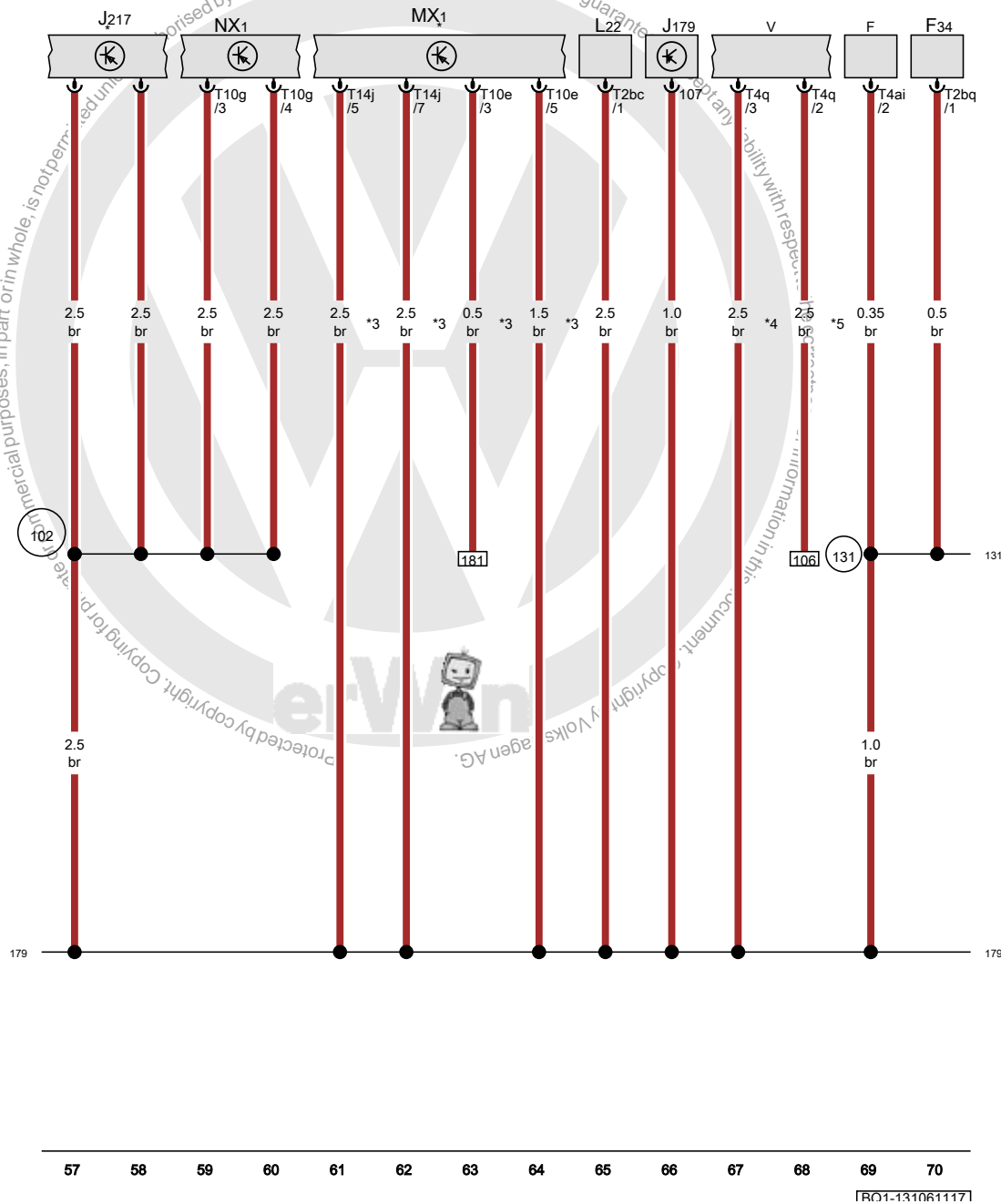




Earth connection 1, in front left wiring harness, Earth connection 1, in engine compartment wiring harness, Earth connection, in automatic gearbox wiring harness, Earth connection, in left headlight wiring harness, Earth connection 9, in engine compartment wiring harness, Earth point 3, on front of left longitudinal member

- EX32 Module for battery charge selector buttons
- G266 Oil level and oil temperature sender
- G837 Coolant shortage indicator sender 2
- H2 Treble horn
- J743 Mechatronic unit for dual clutch gearbox
- L176 Left LED module for daytime running light and side light
- T2am 2-pin connector
- T2et 2-pin connector
- T3cd 3-pin connector
- T3cg 3-pin connector
- T3dn 3-pin connector
- T3kj 3-pin connector
- T4fo 4-pin connector, black
- T5bh 5-pin connector, black
- T5bi 5-pin connector, black
- T8bv 8-pin connector
- T10kv 10-pin connector, black
- T10kw 10-pin connector, black
- T14ac 14-pin connector, black
- T14ad 14-pin connector, black
- TML Coupling point in engine compartment, left
- V475 Auxiliary hydraulic pump 1 for gearbox oil
- V488 Auxiliary pump for heating
- V508 Coolant circulation pump before power and control electronics for electric drive

- 82 Earth connection 1, in front left wiring harness
- 85 Earth connection 1, in engine compartment wiring harness
- 114 Earth connection, in automatic gearbox wiring harness
- 179 Earth connection, in left headlight wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- * see applicable current flow diagram for dual clutch gearbox
- *2 see applicable current flow diagram for engine
- *3 According to equipment
- *4 For models with hybrid drive system



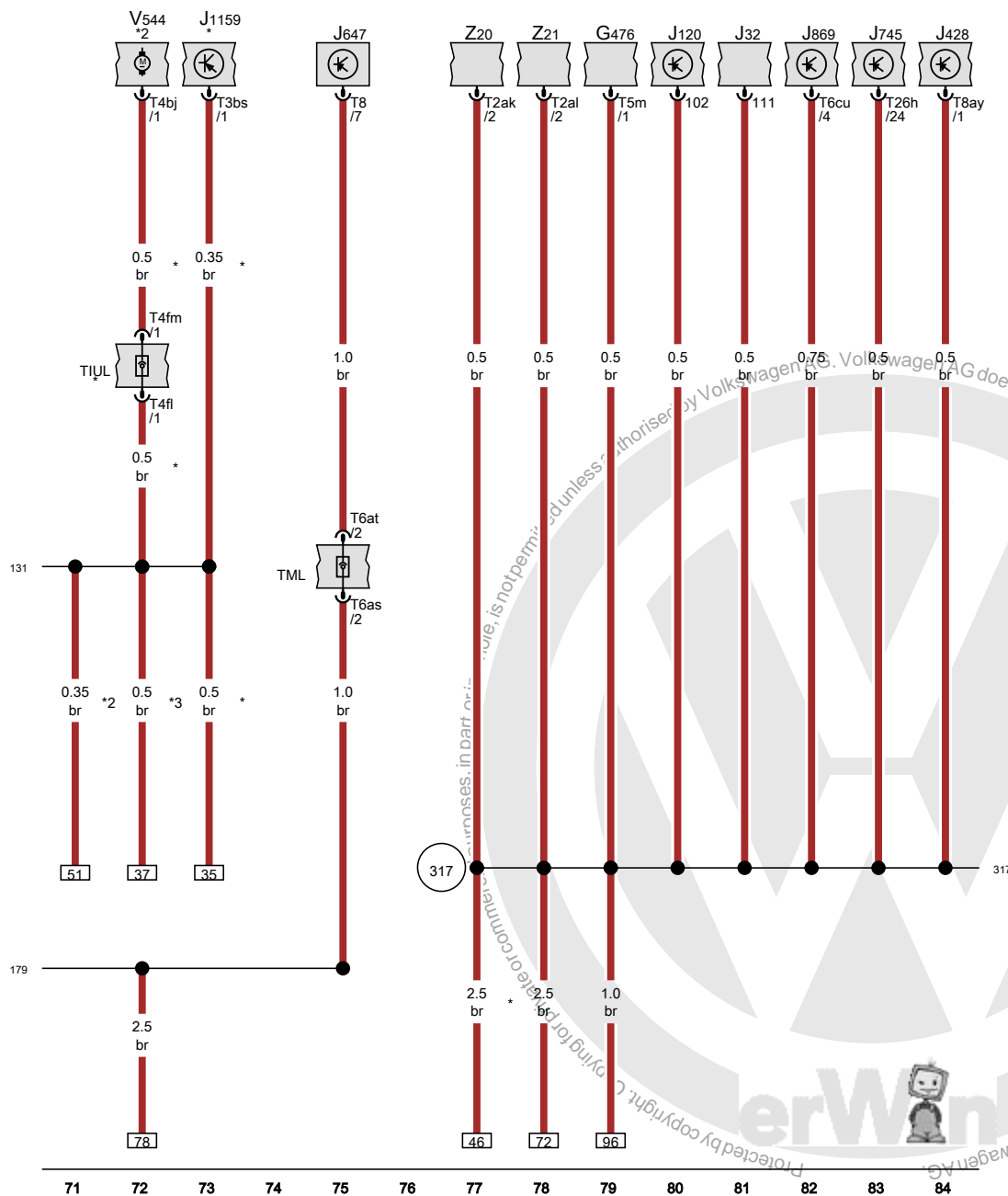
Earth connection, in gearbox wiring harness, Earth connection 2, in engine compartment wiring harness, Earth connection, in left headlight wiring harness

- F Brake light switch
- F34 Brake fluid level warning contact
- J179 Automatic glow period control unit
- J217 Automatic gearbox control unit
- L22 Left fog light bulb
- MX1 Front left headlight
- NX1 Gearbox
- T2bc 2-pin connector
- T2bq 2-pin connector
- T4ai 4-pin connector
- T4q 4-pin connector, black
- T10e 10-pin connector
- T10g 10-pin connector
- T14j 14-pin connector
- V Windscreen wiper motor

- 102 Earth connection, in gearbox wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness

- * see applicable current flow diagram
- *2 Pre-wired component
- *3 According to equipment
- *4 For left-hand drive models
- *5 For right-hand drive models

ws = white
 sw = black
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Earth connection 2, in engine compartment wiring harness,
Earth connection, in left headlight wiring harness, Earth
connection 7, in engine compartment wiring harness

- G476 Clutch position sender
- J32 Air conditioning system relay, in E-box in engine compartment
- J120 Coolant shortage indicator control unit, in E-box in engine compartment
- J428 Adaptive cruise control unit
- J647 Axle differential lock control unit
- J745 Control unit for cornering light and headlight range control
- J869 Control unit for structure-borne sound
- J1159 Protective diode for onboard supply for coasting function
- T2ak 2-pin connector
- T2al 2-pin connector
- T3bs 3-pin connector, yellow
- T4bj 4-pin connector, black
- T4fl 4-pin connector, black
- T4fm 4-pin connector, black
- T5m 5-pin connector
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T6cu 6-pin connector
- T8 8-pin connector
- T8ay 8-pin connector
- T26h 26-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V544 Radiator blind control motor
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

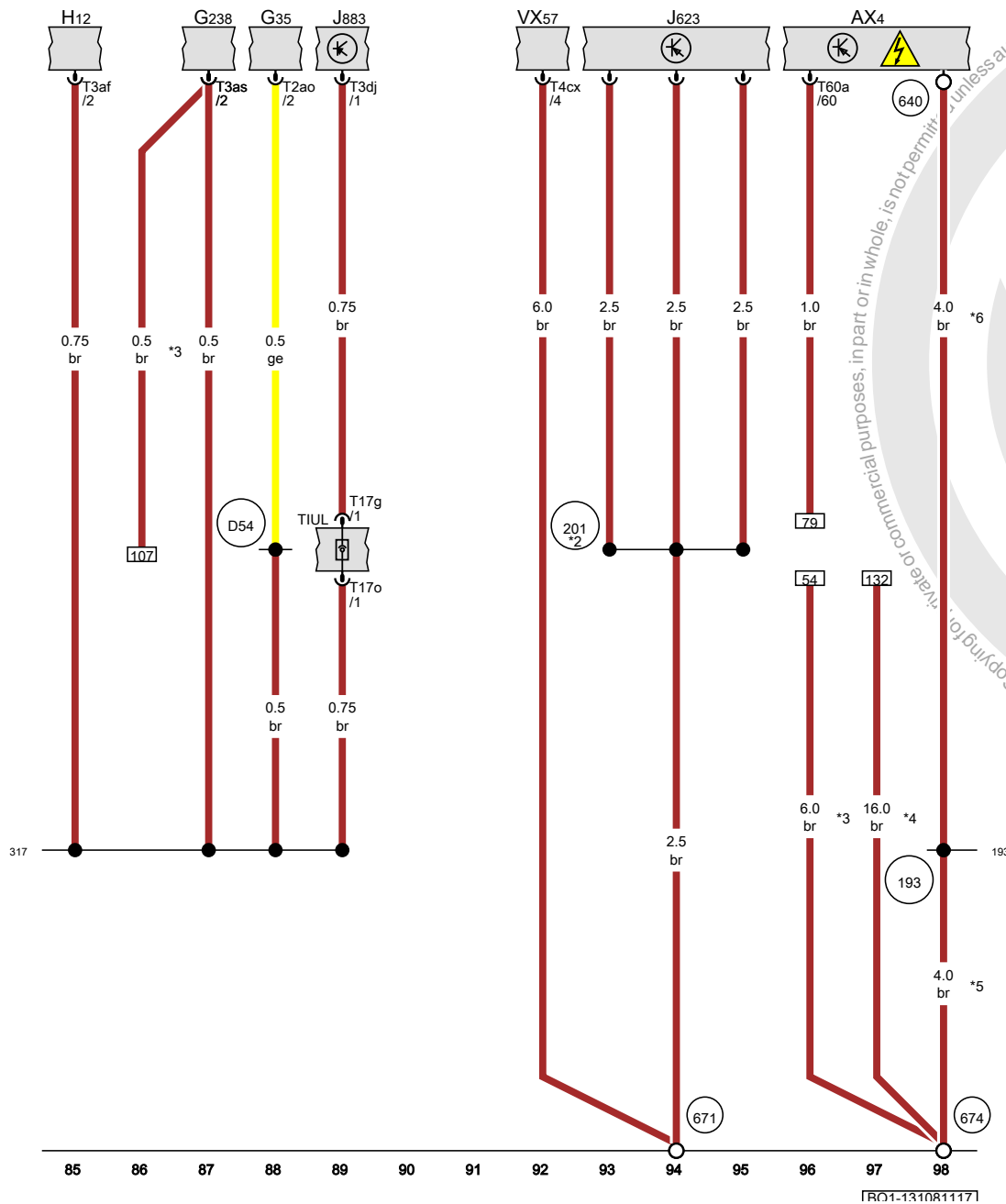
131 Earth connection 2, in engine compartment wiring harness

179 Earth connection, in left headlight wiring harness

317 Earth connection 7, in engine compartment wiring harness

- * According to equipment
- *2 see applicable current flow diagram for engine
- *3 see applicable current flow diagram

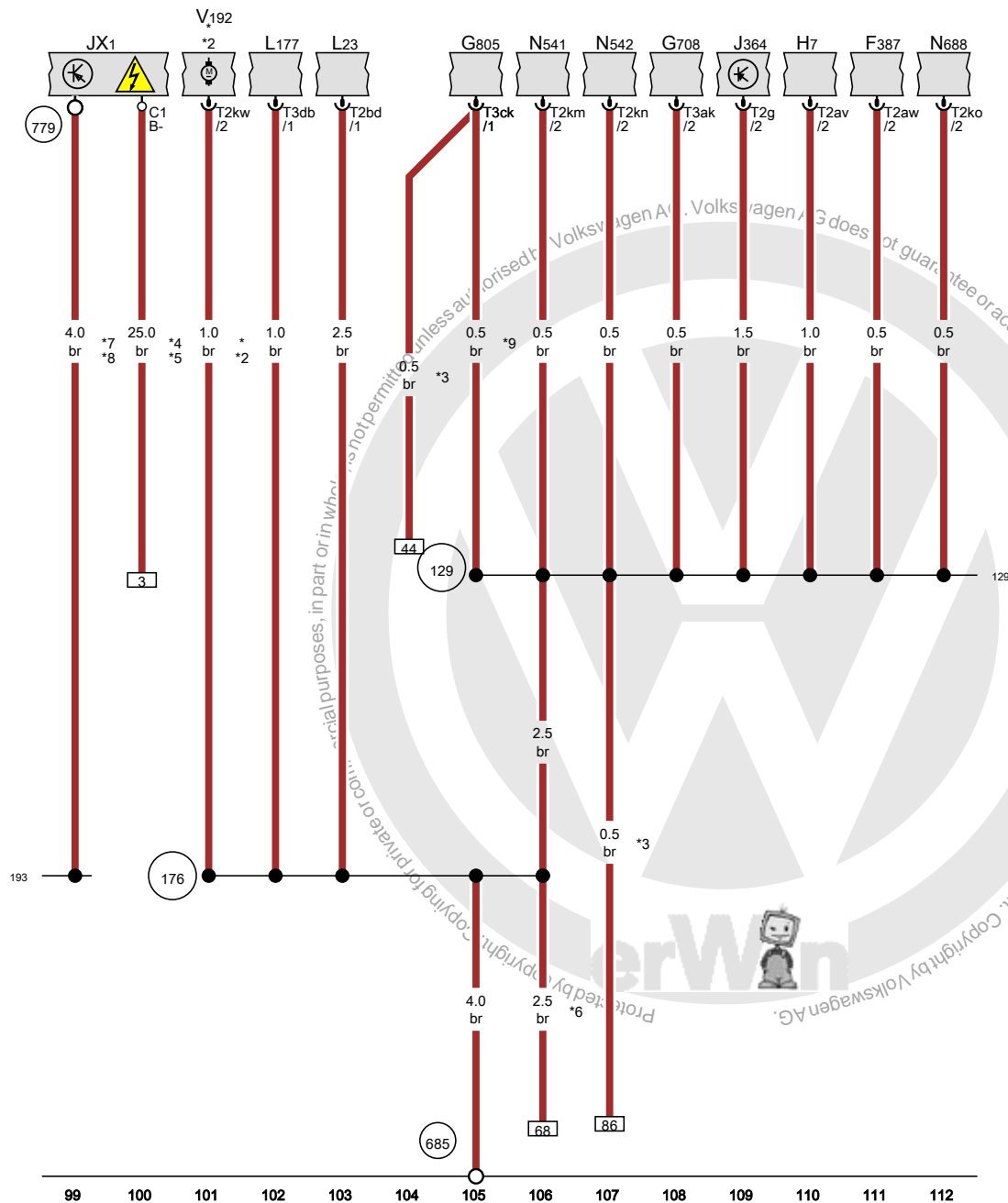
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Earth connection 1, in coolant fan wiring harness, Earth connection 5, in engine compartment wiring harness, Earth connection 7, in engine compartment wiring harness, Earth point 2, left in engine compartment, Earth point 1, on front of left longitudinal member, Earth point 4, on front of left longitudinal member, Connection (right brake wear indicator), in engine compartment wiring harness

- AX4 Charging unit 1 for high-voltage battery
- G35 Front right brake pad wear sender
- G238 Air quality sensor
- H12 Alarm horn
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T2ao 2-pin connector
- T3af 3-pin connector
- T3as 3-pin connector
- T3dj 3-pin connector
- T4cx 4-pin connector
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T60a 60-pin connector
- TIUL Coupling point in interior, below left
- VX57 Radiator fan

- 193 Earth connection 1, in coolant fan wiring harness
- 201 Earth connection 5, in engine compartment wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- 671 Earth point 1, on front of left longitudinal member
- 674 Earth point 4, on front of left longitudinal member, under left longitudinal member
- D54 Connection (right brake wear indicator), in engine compartment wiring harness
- * Pre-wired component
- *2 see applicable current flow diagram for engine
- *3 For models with hybrid drive system
- *4 Potential equalisation line for three-phase current drive (P71)
- *5 Potential equalisation line (P77)
- *6 Potential equalisation line for charging unit 1 for high-voltage battery (P68)



Vacuum pump for brakes, Earth connection, in dual tone horn wiring harness, Earth connection, in right headlight wiring harness, Earth connection 1, in coolant fan wiring harness, Earth point 1, on front of right longitudinal member, Earth point 1 for power and control electronics for electric drive

- F387 Bonnet contact switch
- G708 Ethanol concentration sender
- G805 Pressure sender for refrigerant circuit
- H7 Bass horn
- JX1 Power and control electronics for electric drive
- J364 Auxiliary heater control unit
- L23 Right fog light bulb
- L177 Right LED module for daytime running light and side light
- N541 Refrigerant shut-off valve for heater and air conditioner unit
- N542 Refrigerant shut-off valve for high-voltage battery heat exchanger
- N688 Coolant valve for high-voltage battery
- T2av 2-pin connector
- T2aw 2-pin connector
- T2bd 2-pin connector
- T2g 2-pin connector
- T2km 2-pin connector
- T2kn 2-pin connector
- T2ko 2-pin connector
- T2kw 2-pin connector, black
- T3ak 3-pin connector
- T3ck 3-pin connector
- T3db 3-pin connector
- V192 Vacuum pump for brakes

129 Earth connection, in dual tone horn wiring harness

176 Earth connection, in right headlight wiring harness

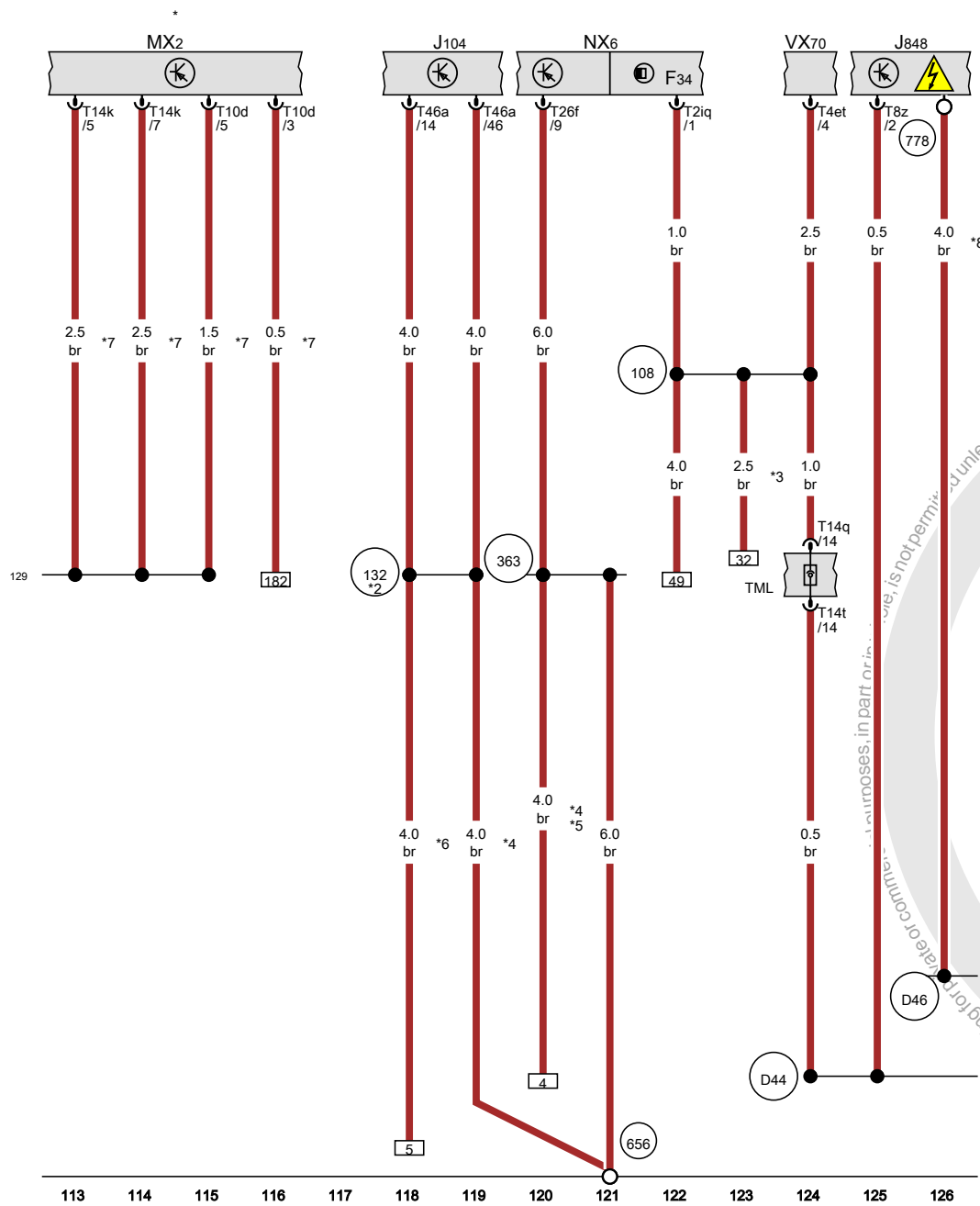
193 Earth connection 1, in coolant fan wiring harness

685 Earth point 1, on front of right longitudinal member

779 Earth point 1 for power and control electronics for electric drive

- * For models with equipment for Japan
- *2 see applicable current flow diagram for engine
- *3 For models with hybrid drive system
- *4 see applicable current flow diagram for high-voltage system
- *5 Potential equalisation line 2 for power and control electronics for electric drive (P66)
- *6 For right-hand drive models
- *7 Potential equalisation line for power and control electronics for electric drive (P65)
- *8 See Workshop Manual
- *9 For models with no hybrid drive system

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Earth connection 2, in front left wiring harness, Earth connection, in dual tone horn wiring harness, Earth connection 3, in engine compartment wiring harness, Earth connection 8, in engine compartment wiring harness, Earth point, on right headlight, Earth point for high-voltage heater (PTC), Connection 6, in engine prewiring harness, Connection 8, in engine prewiring harness

- F34 Brake fluid level warning contact
- J104 ABS control unit
- J848 High-voltage heater (PTC) control unit
- MX2 Front right headlight
- NX6 Brake servo
- T2iq 2-pin connector
- T4et 4-pin connector
- T8z 8-pin connector
- T10d 10-pin connector, black
- T14k 14-pin connector
- T14q 14-pin connector, black
- T14t 14-pin connector, black
- T26f 26-pin connector
- T46a 46-pin connector
- TML Coupling point in engine compartment, left
- VX70 Brake system pressure accumulator

- 108 Earth connection 2, in front left wiring harness
- 129 Earth connection, in dual tone horn wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 363 Earth connection 8, in engine compartment wiring harness
- 656 Earth point, on right headlight
- 778 Earth point for high-voltage heater (PTC)
- D44 Connection 6, in engine prewiring harness
- D46 Connection 8, in engine prewiring harness

- * see applicable current flow diagram for headlights
- *2 see applicable current flow diagram for ABS
- *3 For models with hybrid drive system
- *4 For left-hand drive models
- *5 see applicable current flow diagram for high-voltage system

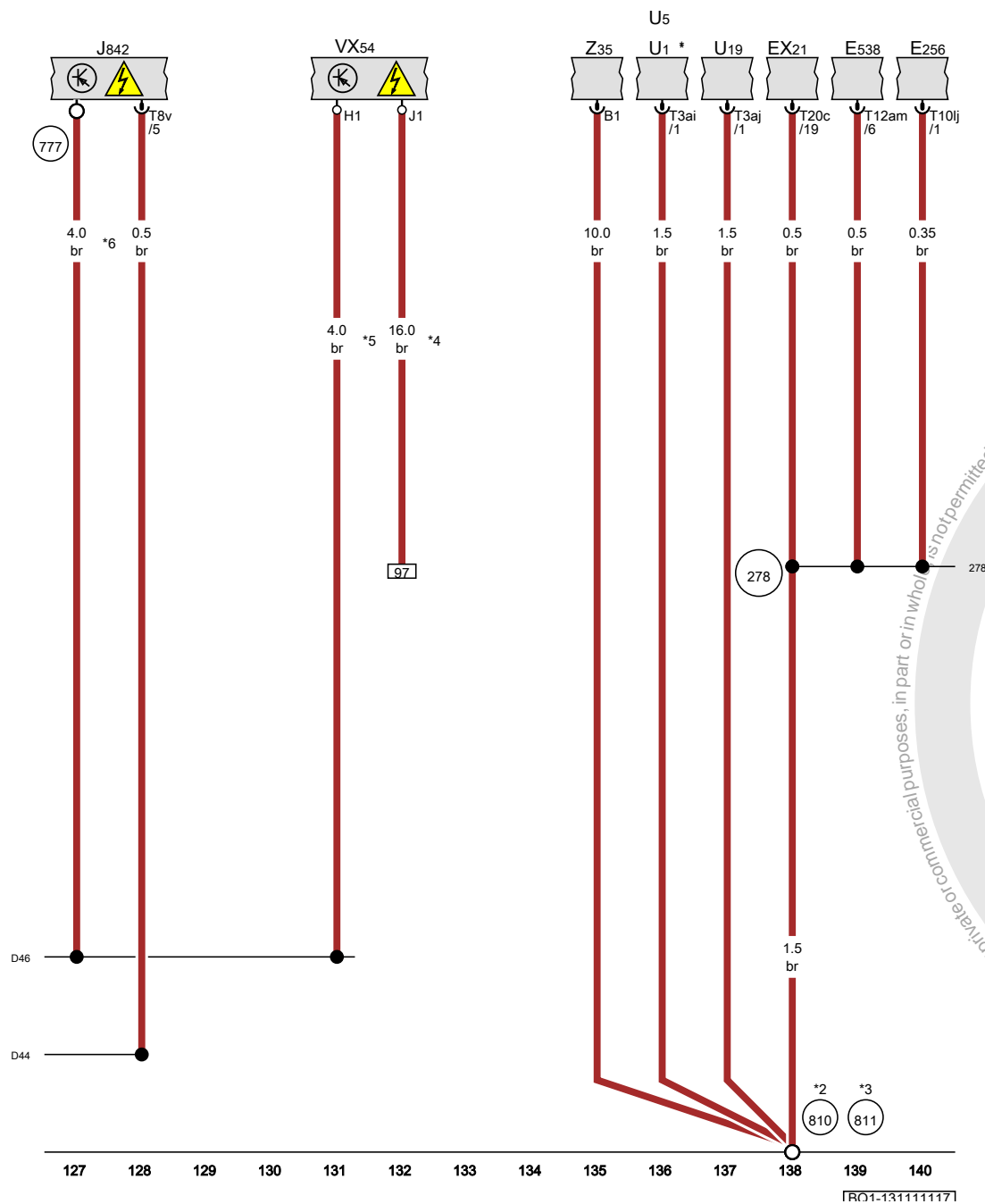
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*6 For right-hand drive models
*7 see applicable current flow diagram
*8 Potential equalisation line for high-voltage heater (PTC) (P84)

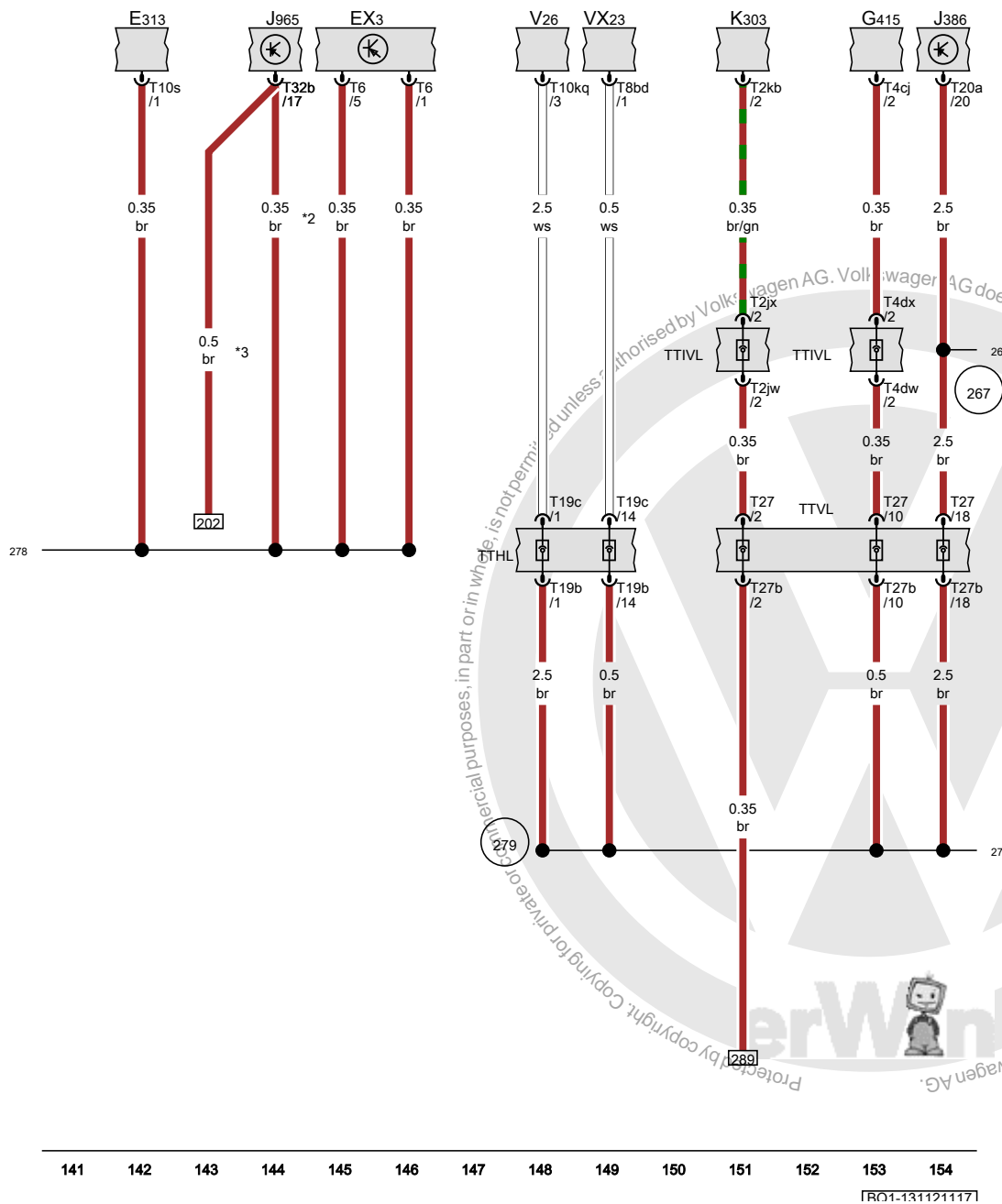




Earth connection 4, in interior wiring harness, Earth point for air conditioner compressor, Earth point on central tube for dash panel, centre left, Connection 6, in engine prewiring harness, Connection 8, in engine prewiring harness

- EX21 Heater and air conditioning controls
- E256 Button for TCS and electronic stabilisation program
- E538 Electromechanical parking brake button
- J842 Control unit for air conditioning compressor
- T3ai 3-pin connector
- T3aj 3-pin connector
- T8v 8-pin connector
- T10lj 10-pin connector
- T12am 12-pin connector
- T20c 20-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U19 12 V socket 3
- VX54 Three-phase current drive
- Z35 Auxiliary air heater element
- 278 Earth connection 4, in interior wiring harness
- 777 Earth point for air conditioner compressor
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- D44 Connection 6, in engine prewiring harness
- D46 Connection 8, in engine prewiring harness
- * According to equipment
- *2 For left-hand drive models
- *3 For right-hand drive models
- *4 Potential equalisation line for three-phase current drive (P71)
- *5 Potential equalisation line 2 for three-phase current drive (P72)
- *6 Potential equalisation line for control unit for air conditioning compressor (P82)

ws = white
 sw = black
 go = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Earth connection 2, in drive side door wiring harness, Earth connection 4, in interior wiring harness, Earth connection 5, in interior wiring harness

- EX3 Hazard warning light switch
- E313 Selector lever
- G415 Driver exterior door handle contact sensor
- J386 Driver door control unit
- J965 Interface for entry and start system
- K303 Blind Spot Monitor warning lamp in left exterior mirror
- T2jw 2-pin connector, black
- T2jx 2-pin connector, black
- T2kb 2-pin connector, black
- T4cj 4-pin connector
- T4dw 4-pin connector
- T4dx 4-pin connector
- T6 6-pin connector
- T8bd 8-pin connector
- T10kq 10-pin connector
- T10s 10-pin connector
- T19b 19-pin connector, black
- T19c 19-pin connector, black
- T20a 20-pin connector
- T27 27-pin connector, black
- T27b 27-pin connector, black
- T32b 32-pin connector, blue
- TTHL Coupling point for rear left door
- TTIVL Coupling point in front left door
- TTVL Coupling point for front left door
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor

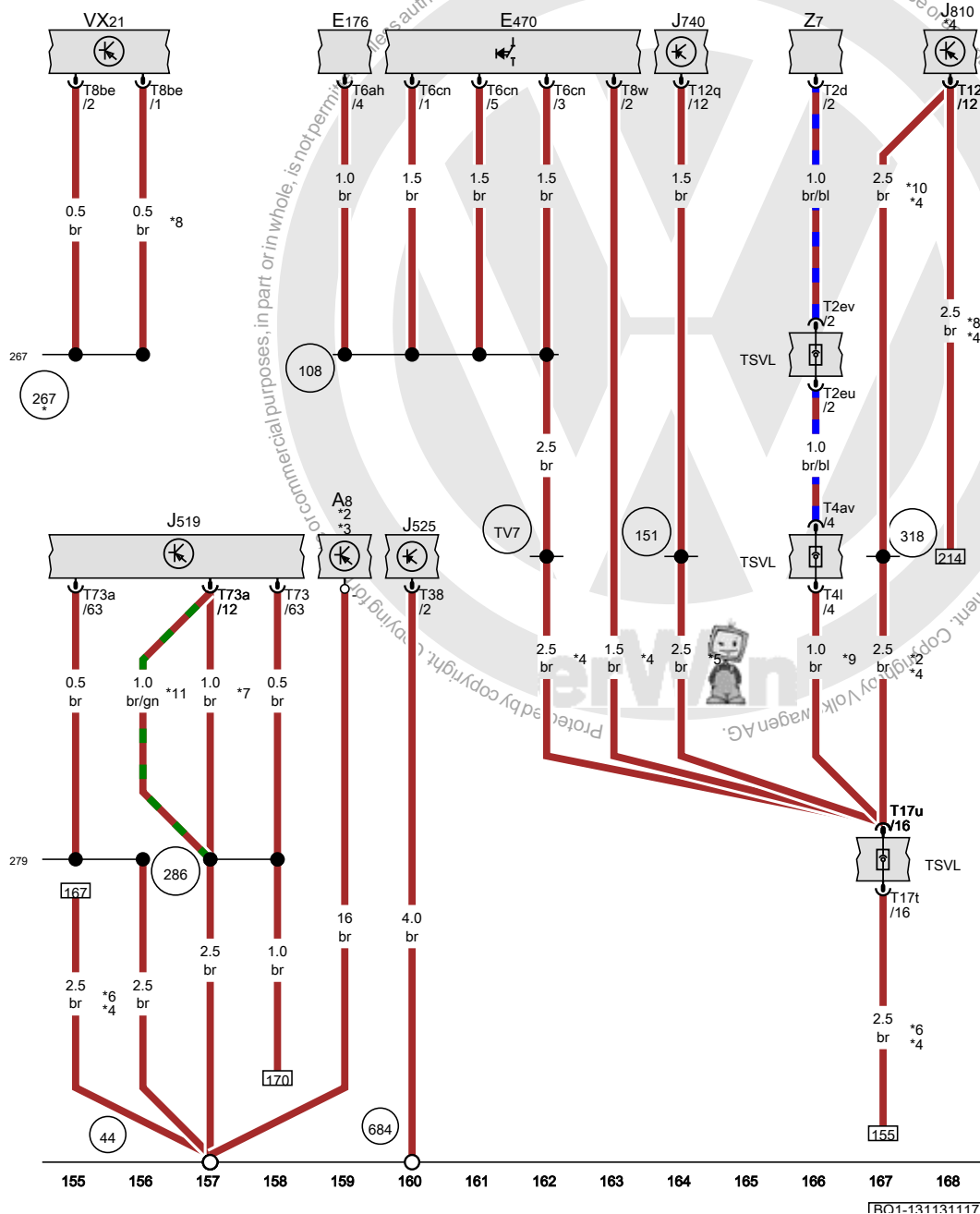
267 Earth connection 2, in drive side door wiring harness

278 Earth connection 4, in interior wiring harness

279 Earth connection 5, in interior wiring harness

- * Pre-wired component
- *2 For left-hand drive models
- *3 For right-hand drive models

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- rt = red
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
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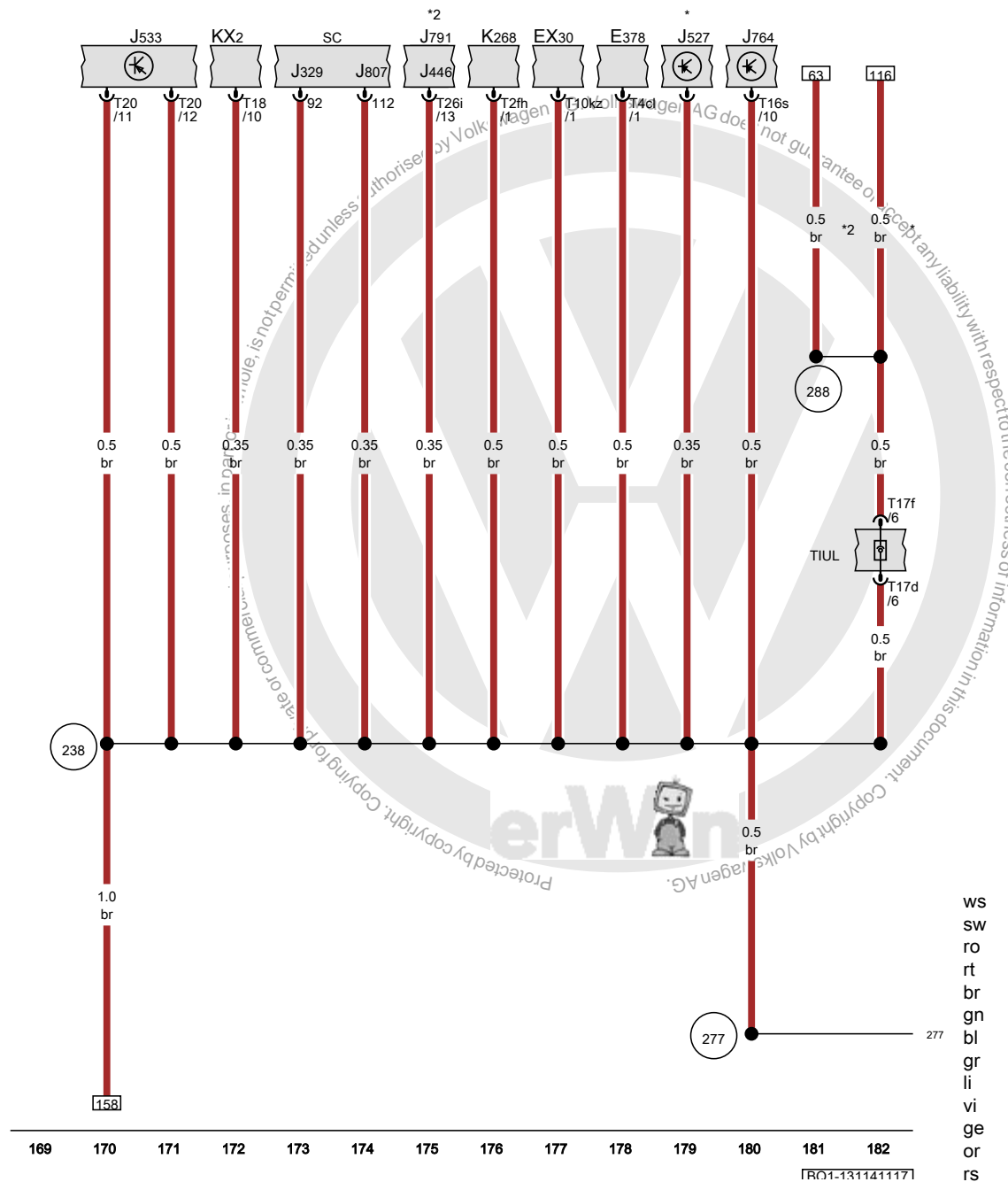


Earth point, lower part of left A-pillar, Earth connection 2, in front left wiring harness, Earth connection 1, in front wiring harness, Earth connection 2, in drive side door wiring harness, Earth connection 5, in interior wiring harness, Earth connection 8, in interior wiring harness, Terminal 31 wiring junction

- A8 Additional battery for coasting function, under seat on front left
- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- J519 Onboard supply control unit
- J525 Digital sound package control unit
- J740 Massage control unit
- J810 Driver seat adjustment control unit
- T2d 2-pin connector
- T2eu 2-pin connector
- T2ev 2-pin connector
- T4av 4-pin connector
- T4l 4-pin connector
- T6ah 6-pin connector
- T6cn 6-pin connector
- T8be 8-pin connector
- T8w 8-pin connector
- T12an 12-pin connector, black
- T12q 12-pin connector
- T17t 17-pin connector, red
- T17u 17-pin connector, red
- T38 38-pin connector
- T73 73-pin connector
- T73a 73-pin connector
- TSVL Coupling point for front left seat
- VX21 Driver door lock unit
- Z7 Heated backrest for driver seat

- 44 Earth point, lower part of left A-pillar
- 108 Earth connection 2, in front left wiring harness
- 151 Earth connection 1, in front wiring harness
- 267 Earth connection 2, in drive side door wiring harness
- 279 Earth connection 5, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 318 Earth connection 4, in seat heating wiring harness
- 684 Earth point on front of left side member

Earth connection 1, in interior wiring harness, Earth connection 3, in interior wiring harness, Earth connection (HRC), in dash panel wiring harness

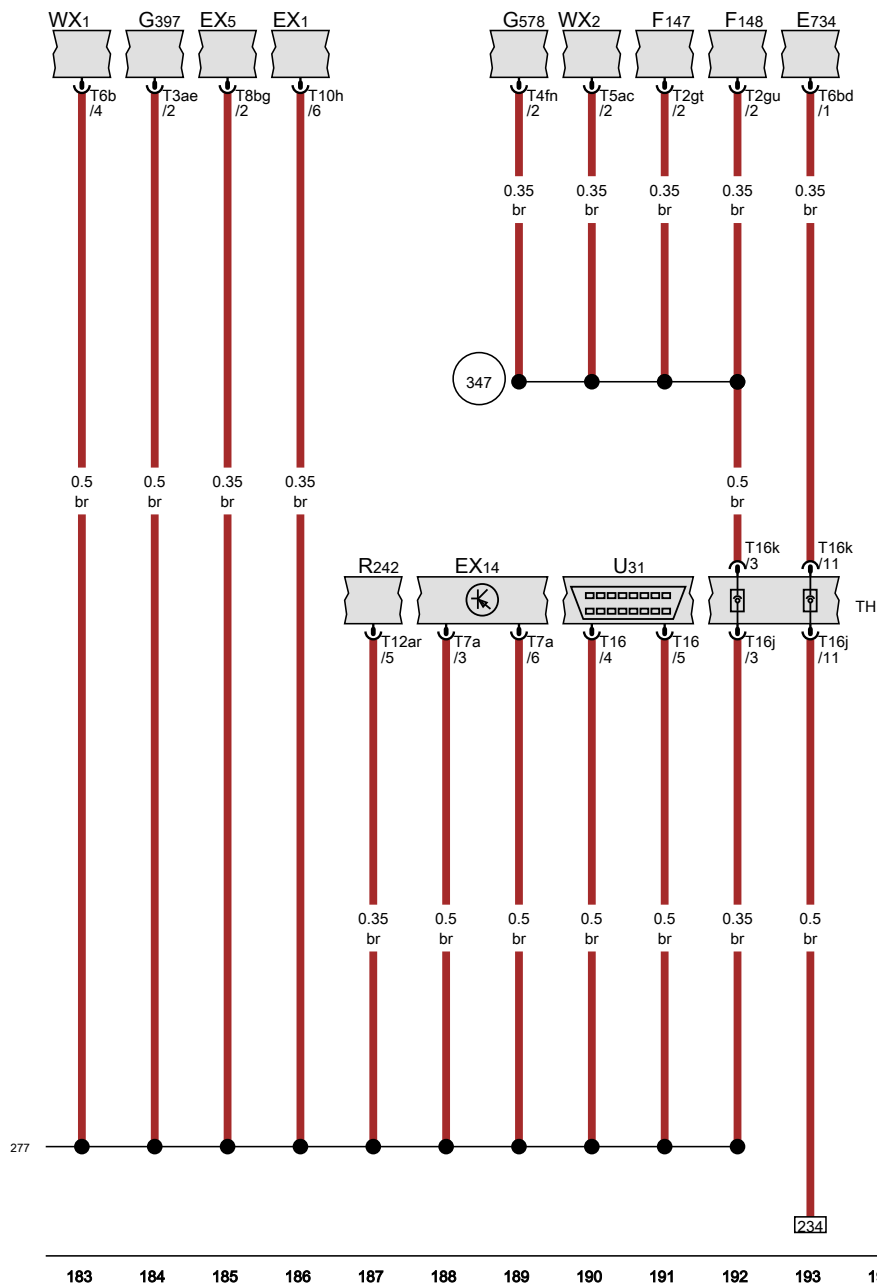


- EX30 Switch module 2 in centre console
- E378 Starter button
- J329 Terminal 15 voltage supply relay
- J446 Parking aid control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J764 Control unit for electronic steering column lock
- J791 Park assist steering control unit
- J807 Relay for power sockets
- KX2 Dash panel insert
- K268 Front left footwell light
- SC Fuse holder C
- T2fh 2-pin connector
- T4cl 4-pin connector
- T10kz 10-pin connector
- T16s 16-pin connector
- T17d 17-pin connector, black
- T17f 17-pin connector, black
- T18 18-pin connector
- T20 20-pin connector
- T26i 26-pin connector
- TIUL Coupling point in interior, below left

- 238 Earth connection 1, in interior wiring harness
- 277 Earth connection 3, in interior wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness

* see applicable current flow diagram
 *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Earth connection 3, in interior wiring harness, Earth connection, in roof wiring harness

- EX1 Rotary light switch
- EX5 Interior mirror
- EX14 Headlight range control and instrument illumination regulator
- E734 Telematics button module
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- G397 Rain and light sensor
- G578 Anti-theft alarm sensor
- R242 Front camera for driver assist systems
- T2gt 2-pin connector
- T2gu 2-pin connector
- T3ae 3-pin connector
- T4fn 4-pin connector
- T5ac 5-pin connector
- T6b 6-pin connector
- T6bd 6-pin connector
- T7a 7-pin connector
- T8bg 8-pin connector
- T10h 10-pin connector
- T12ar 12-pin connector
- T16 16-pin connector
- T16j 16-pin connector, brown
- T16k 16-pin connector, brown
- TH Coupling point for roof
- U31 Diagnostic connection
- WX1 Front interior light
- WX2 Rear interior light

277 Earth connection 3, in interior wiring harness

347 Earth connection, in roof wiring harness

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- gr = grey
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- ge = yellow
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Earth connection 2, in interior wiring harness, Earth connection 2, in front passenger side door wiring harness

- G416 Front passenger exterior door handle contact sensor
- J387 Front passenger door control unit
- K269 Front right footwell light
- K304 Blind Spot Monitor warning lamp in right exterior mirror
- T2ce 2-pin connector
- T2fi 2-pin connector
- T2jy 2-pin connector, black
- T2jz 2-pin connector, black
- T2ka 2-pin connector, black
- T4ck 4-pin connector
- T4dy 4-pin connector
- T4dz 4-pin connector
- T8ao 8-pin connector
- T8bb 8-pin connector
- T10kr 10-pin connector
- T19 19-pin connector, black
- T19a 19-pin connector, black
- T20b 20-pin connector
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- TTHR Coupling point for rear right door
- TTIVR Coupling point in front right door
- TTVR Coupling point for front right door
- VX22 Front passenger door lock unit
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- W6 Glove compartment light

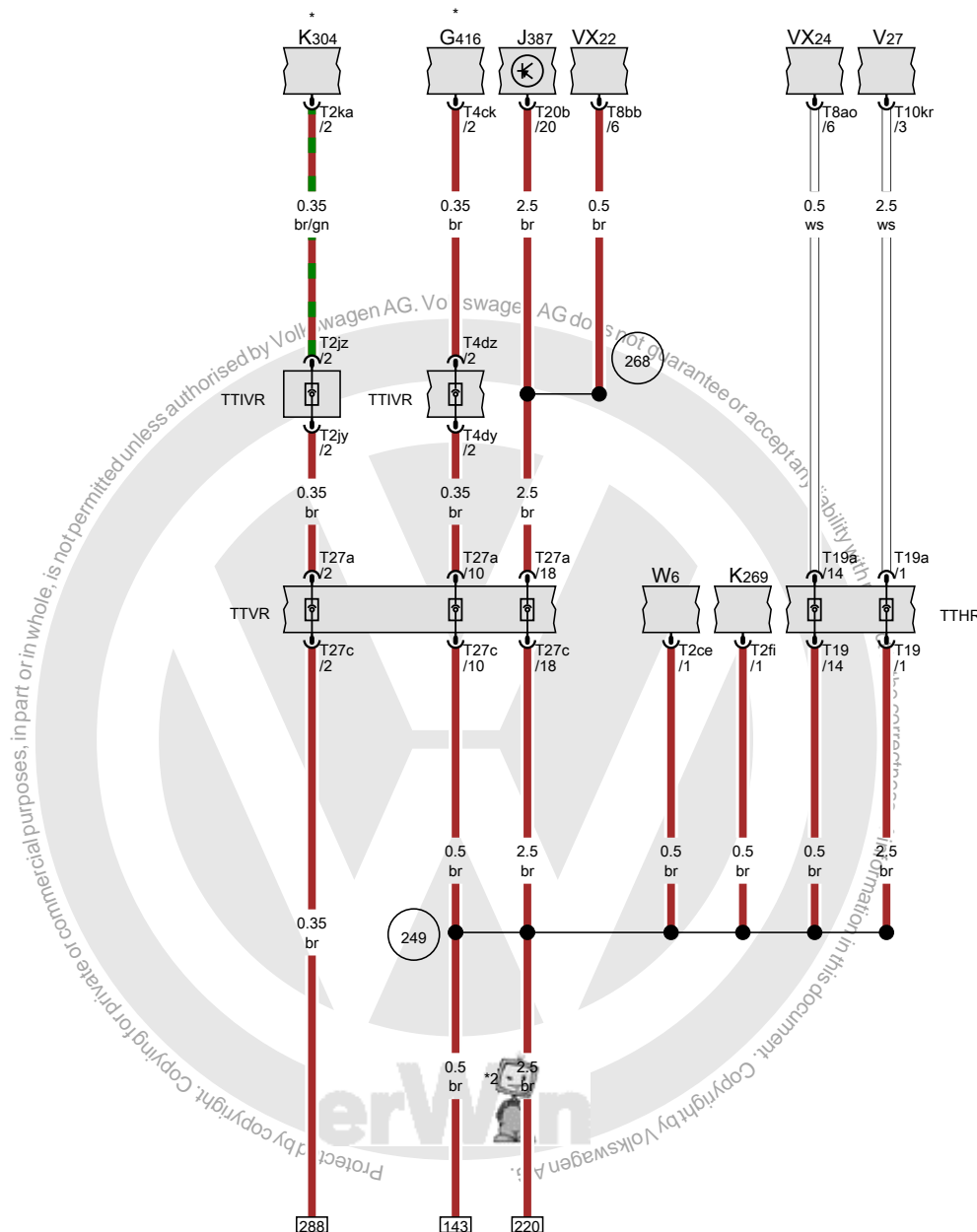
249 Earth connection 2, in interior wiring harness

268 Earth connection 2, in front passenger side door wiring harness

* Pre-wired component

*2 For right-hand drive models

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- gr = grey
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- rs = pink



197 198 199 200 201 202 203 204 205 206 207 208 209 210

[RO1-131161117]

Earth point, on right A-pillar

- J126 Fresh air blower control unit
- J245 Sliding sunroof adjustment control unit
- T2ce 2-pin connector
- T2ew 2-pin connector
- T2ex 2-pin connector
- T4aw 4-pin connector
- T4dc 4-pin connector
- T4m 4-pin connector
- T6cp 6-pin connector, black
- T6cr 6-pin connector, black
- T10le 10-pin connector
- T17v 17-pin connector, red
- T17w 17-pin connector, red
- TH Coupling point for roof
- TSVR Coupling point for front right seat
- Z9 Heated backrest for front passenger seat

136 Earth connection 2, in seat heating wiring harness

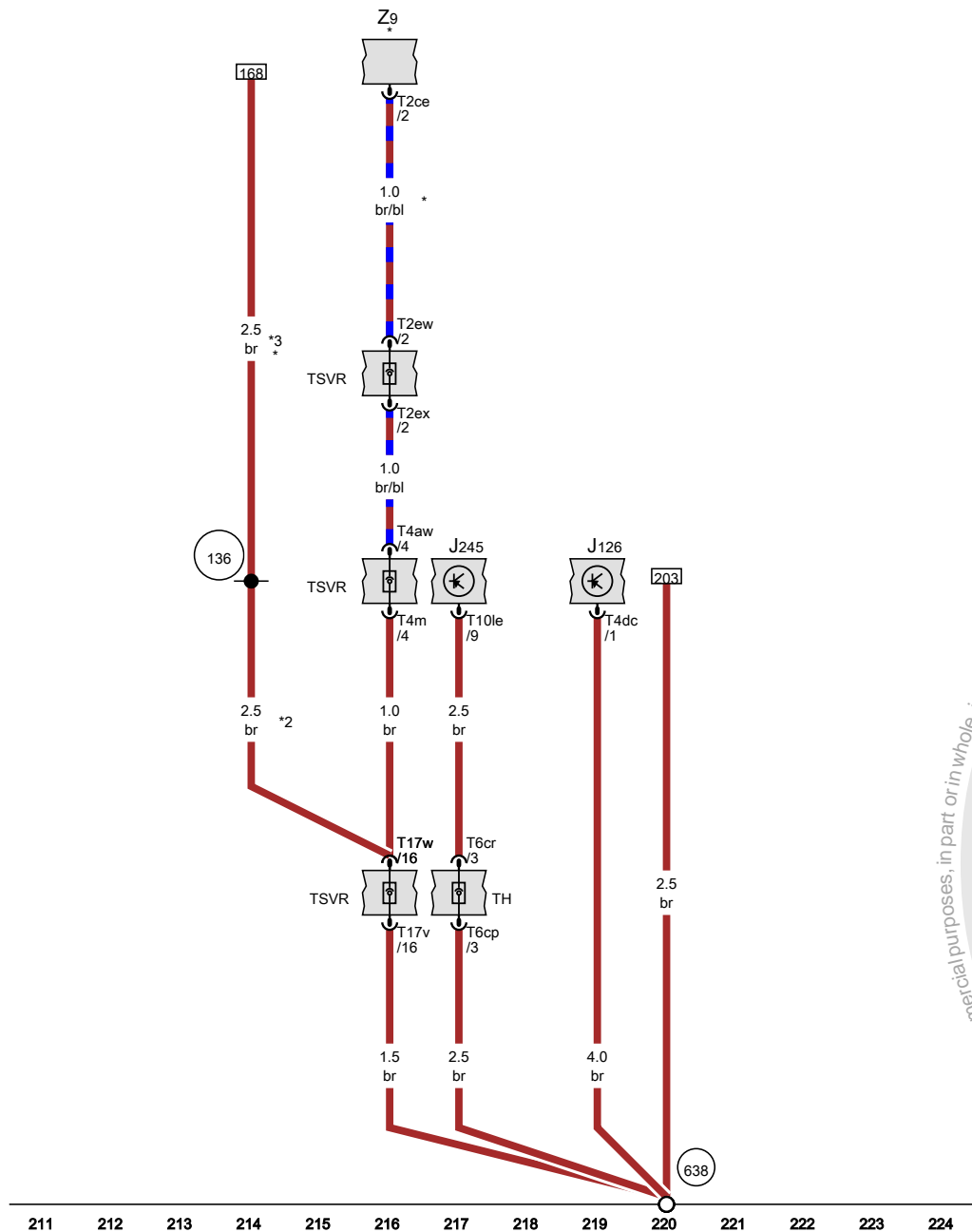
638 Earth point, on right A-pillar

* see applicable current flow diagram

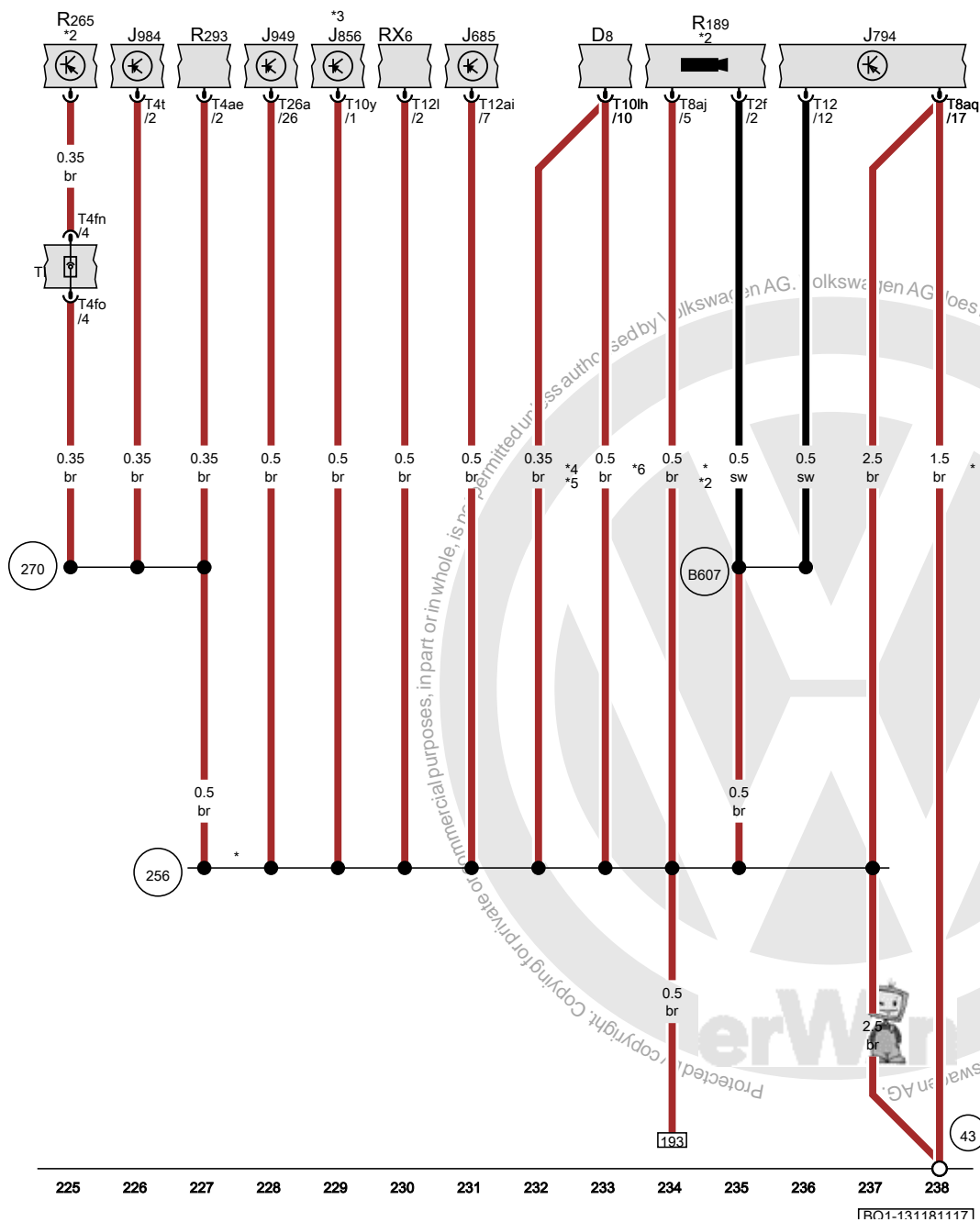
*2 According to equipment

*3 For right-hand drive models

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 rs = pink



19C1-1311711171



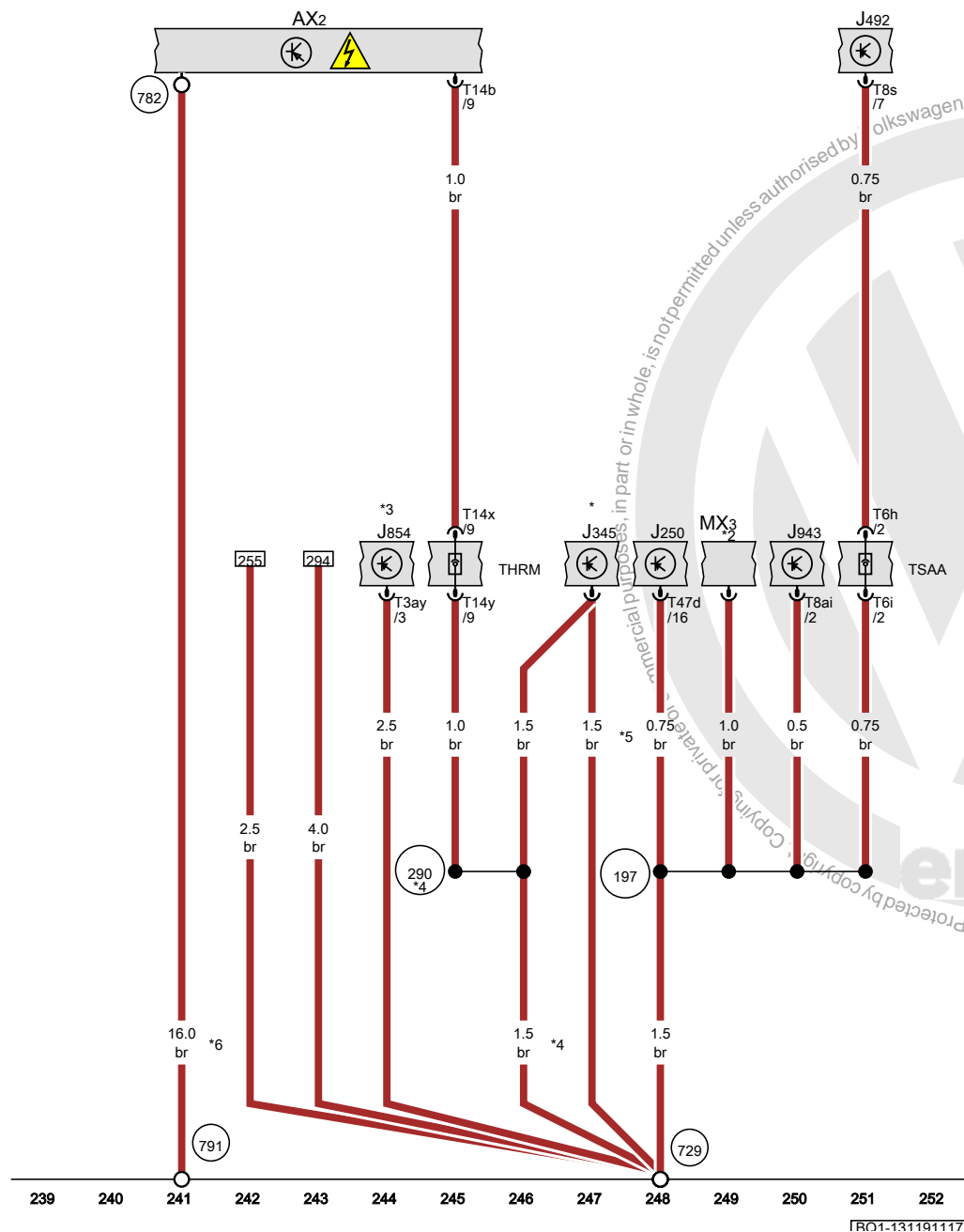
Earth point, lower part of right A-pillar, Earth connection 2, in radio wiring harness

- D8 Chip card reader
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- J856 Control unit for navigation system
- J949 Emergency call module control unit and communication unit
- J984 Two-way signal amplifier for mobile telephone/data services
- RX6 TV tuner
- R189 Reversing camera
- R265 Storage compartment with interface for mobile telephone, in centre console
- R293 USB hub, under centre console
- T2f 2-pin connector
- T4ae 4-pin connector
- T4fn 4-pin connector, brown
- T4fo 4-pin connector, brown
- T4t 4-pin connector
- T8aj 8-pin connector, black
- T8aq 8-pin connector, black
- T10lh 10-pin connector
- T10y 10-pin connector
- T12 12-pin connector
- T12ai 12-pin connector
- T12l 12-pin connector, black
- T26a 26-pin connector
- TI Coupling point in interior

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- 270 Earth connection, in telephone wiring harness
- B607 Connection 3, in interior wiring harness

- * According to equipment
- *2 see applicable current flow diagram
- *3 For models with equipment for Korea
- *4 Not for models with equipment for Korea
- *5 From November 2014
- *6 For models with equipment for Japan

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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Earth connection 4, in rear wiring harness, Earth connection 1, in second battery wiring harness, Earth point, on left rear wheel housing, Earth point 1, on high-voltage battery

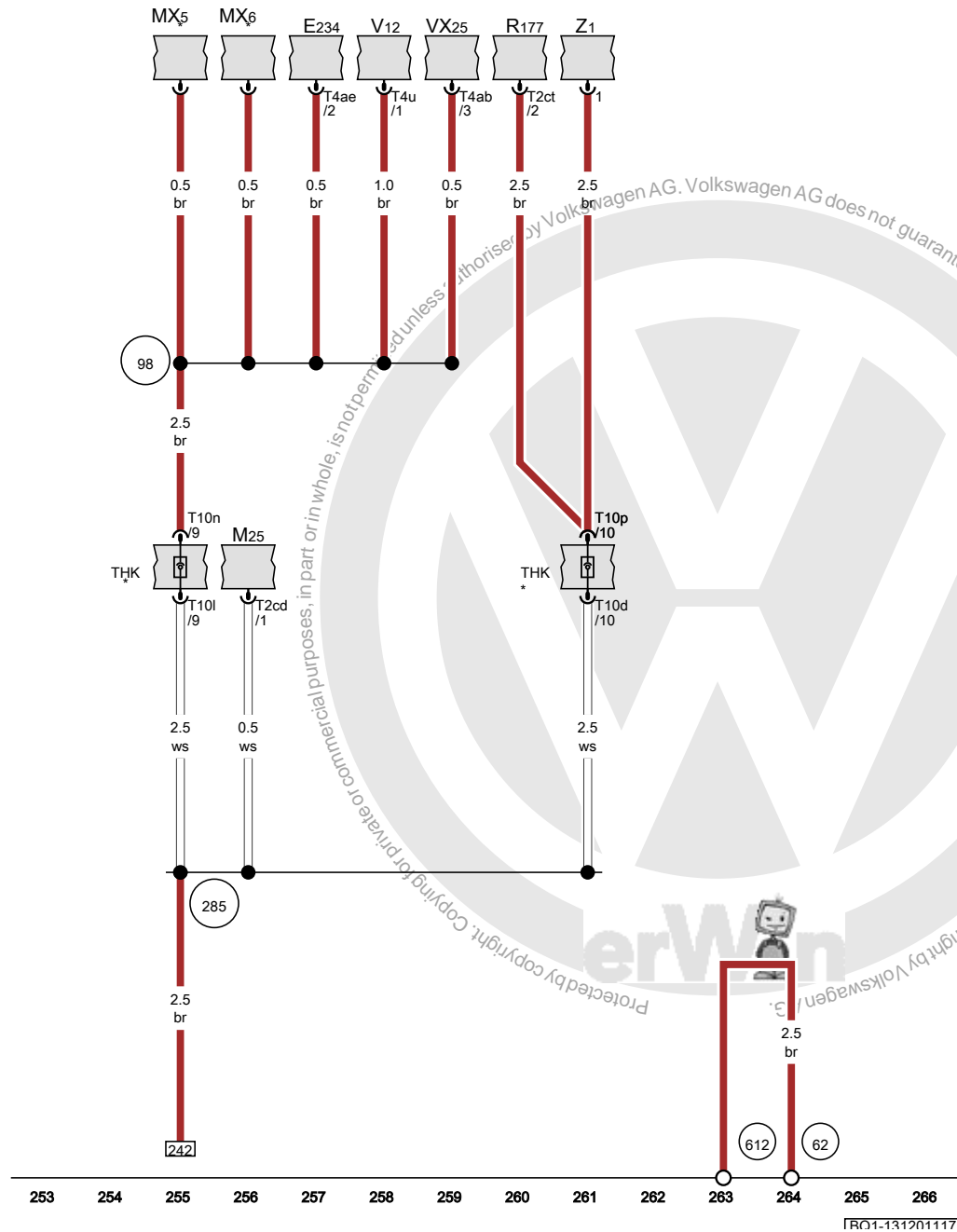
- AX2 High-voltage battery 1
- J250 Electronically controlled damping control unit
- J345 Trailer detector control unit
- J492 All-wheel drive control unit
- J854 Control unit for front left belt tensioner
- J943 Engine sound generator control unit
- MX3 Left tail light
- T3ay 3-pin connector
- T6h 6-pin connector, black
- T6i 6-pin connector, black
- T8ai 8-pin connector
- T8s 8-pin connector
- T14b 14-pin connector
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T47d 47-pin connector
- THRM Coupling point in luggage compartment, centre
- TSAA Coupling point for all-wheel drive

- 197 Earth connection 4, in rear wiring harness
- 290 Earth connection 1, in second battery wiring harness
- 729 Earth point, on left rear wheel housing
- 782 Earth point 1, on high-voltage battery
- 791 Earth point, on rear right of underbody

- * see applicable current flow diagram for towing bracket
- *2 see applicable current flow diagram
- *3 see applicable current flow diagram for airbag
- For models with hybrid drive system
- *4 For models with no hybrid drive system
- *5
- *6 Potential equalisation line for high-voltage battery 1 (P73)

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- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
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Earth connection, in rear lid wiring harness, Earth connection 7, in interior wiring harness, Earth point, centre on rear lid



- E234 Rear lid handle release button
- MX5 Left tail light 2
- MX6 Right tail light 2
- M25 High-level brake light bulb
- R177 Amplitude modulation (AM) frequency filter
- T2cd 2-pin connector
- T2ct 2-pin connector
- T4ab 4-pin connector
- T4ae 4-pin connector
- T4u 4-pin connector
- T10d 10-pin connector, black
- T10l 10-pin connector, brown
- T10n 10-pin connector, brown
- T10p 10-pin connector, black
- THK Coupling point for rear lid
- V12 Rear window wiper motor
- VX25 Rear lid lock unit
- Z1 Heated rear window

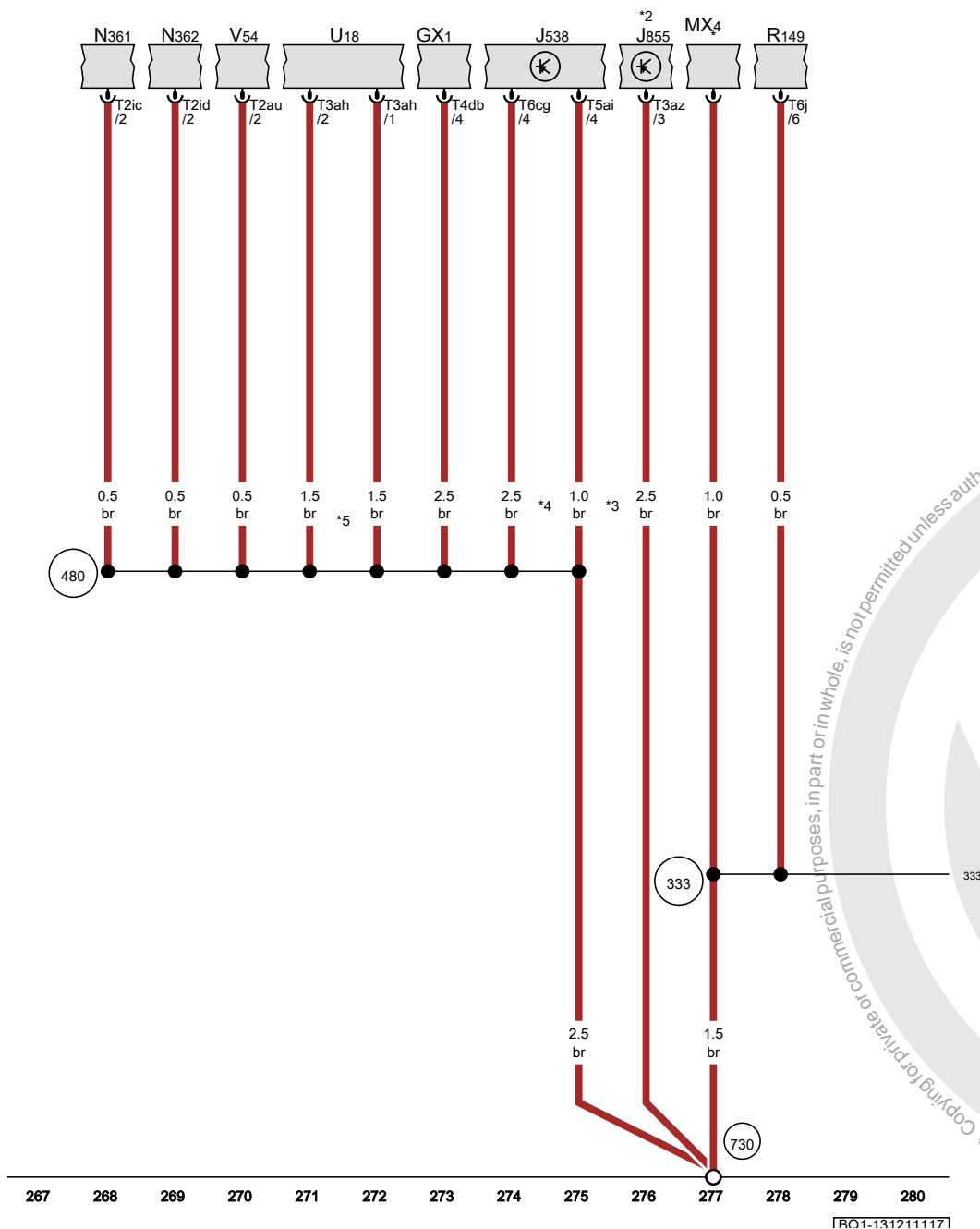
- 62 Earth point, right C-pillar
- 98 Earth connection, in rear lid wiring harness
- 285 Earth connection 7, in interior wiring harness
- 612 Earth point, centre on rear lid
- * see applicable current flow diagram

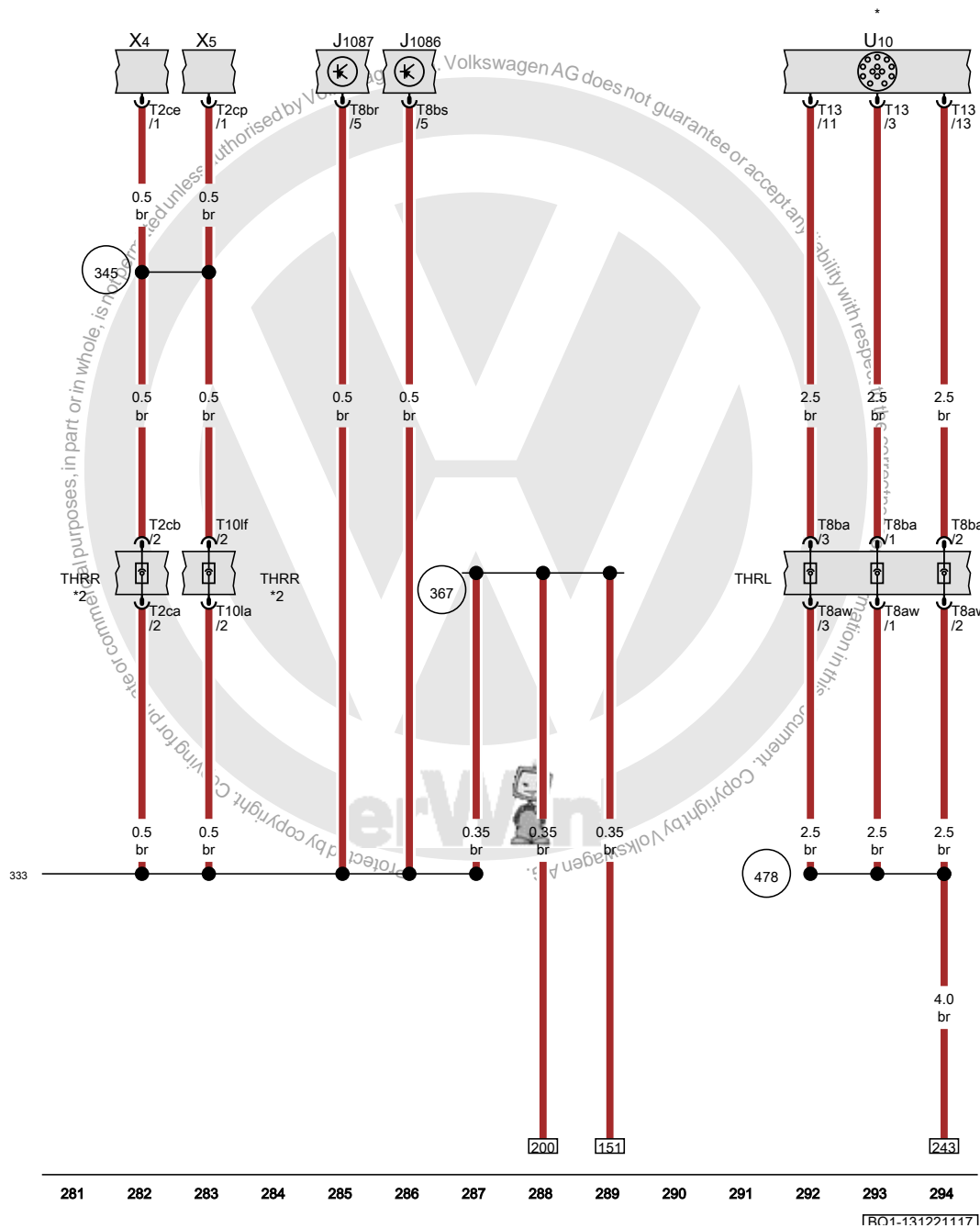
Earth connection 5, in rear wiring harness, Earth connection, in fuel tank wiring harness, Earth point 1, on right rear wheel housing

- GX1 Fuel delivery unit
- J538 Fuel pump control unit
- J855 Control unit for front right belt tensioner
- MX4 Right tail light
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- R149 Remote control receiver for auxiliary coolant heater
- T2au 2-pin connector
- T2ic 2-pin connector
- T2id 2-pin connector
- T3ah 3-pin connector
- T3az 3-pin connector
- T4db 4-pin connector
- T5ai 5-pin connector
- T6cg 6-pin connector
- T6j 6-pin connector
- U18 12 V socket 2
- V54 Metering pump

- 333 Earth connection 5, in rear wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing
- * see applicable current flow diagram
- *2 see applicable current flow diagram for airbag
- *3 For models with petrol engine
- *4 For models with diesel engine
- *5 For American markets

- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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Earth connection 5, in rear wiring harness, Earth connection, in bumper wiring harness, Earth connection 3, in rear lid wiring harness

- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- T2ca 2-pin connector, black
- T2cb 2-pin connector, black
- T2ce 2-pin connector
- T2cp 2-pin connector
- T8aw 8-pin connector, black
- T8ba 8-pin connector, black
- T8br 8-pin connector, black
- T8bs 8-pin connector, black
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T13 13-pin connector
- THRL Coupling point in luggage compartment, left
- THRR Coupling point in luggage compartment, right
- U10 Trailer socket
- X4 Left number plate light
- X5 Right number plate light

333 Earth connection 5, in rear wiring harness

345 Earth connection, in bumper wiring harness

367 Earth connection 2, in main wiring harness

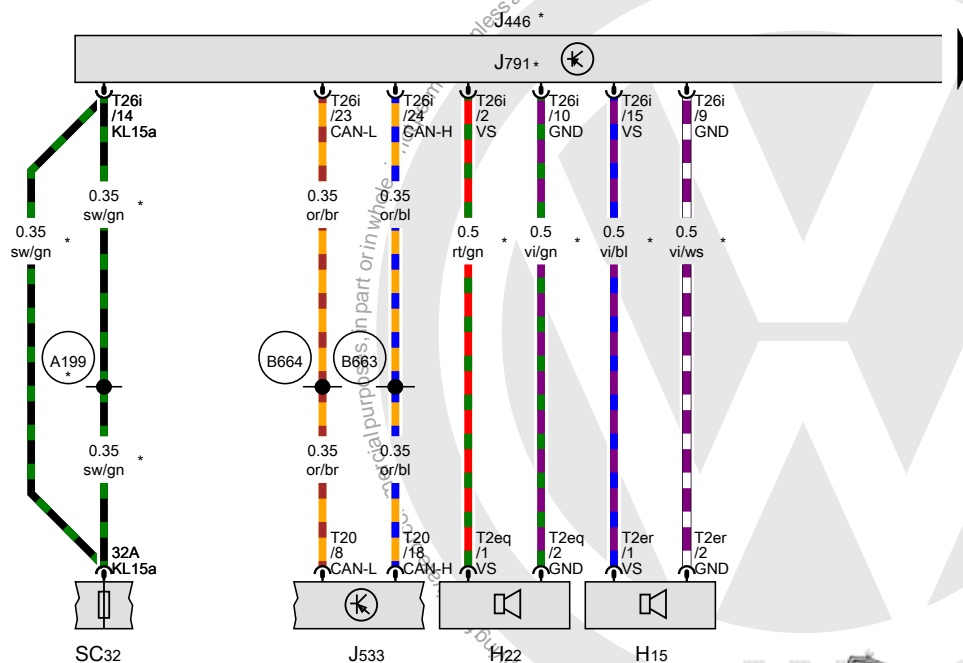
478 Earth connection 3, in rear lid wiring harness

- * see applicable current flow diagram for towing bracket
- *2 According to equipment

Parking aid (PDC) with park assist steering (Park Assist) , (7X2),(7X5)

From November 2016





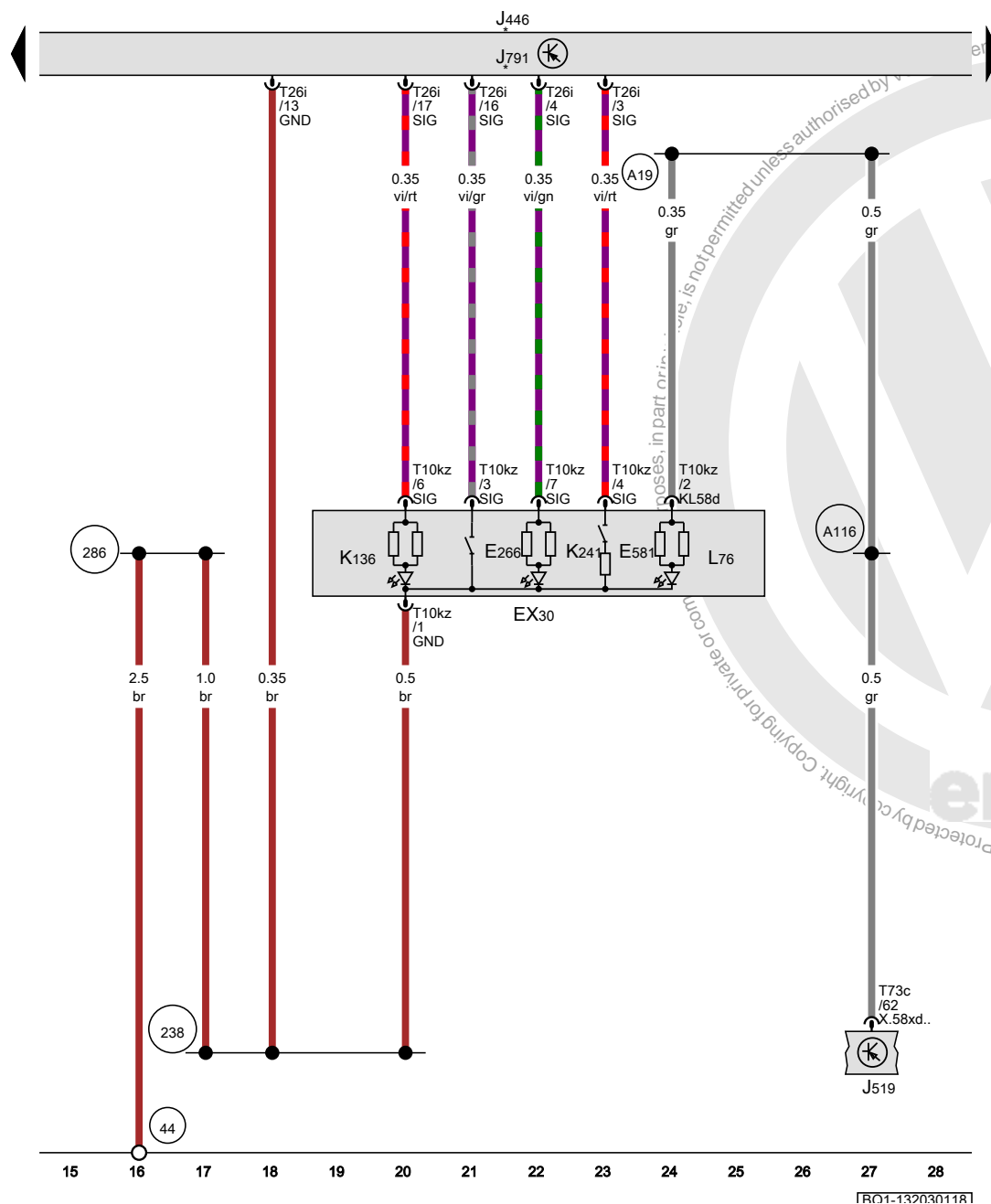
Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control unit, Data bus diagnostic interface, Park assist steering control unit

- H15 Rear parking aid warning buzzer
- H22 Front parking aid warning buzzer
- J446 Parking aid control unit
- J533 Data bus diagnostic interface
- J791 Park assist steering control unit
- SC32 Fuse 32 on fuse holder C
- T2eq 2-pin connector
- T2er 2-pin connector
- T20 20-pin connector
- T26i 26-pin connector

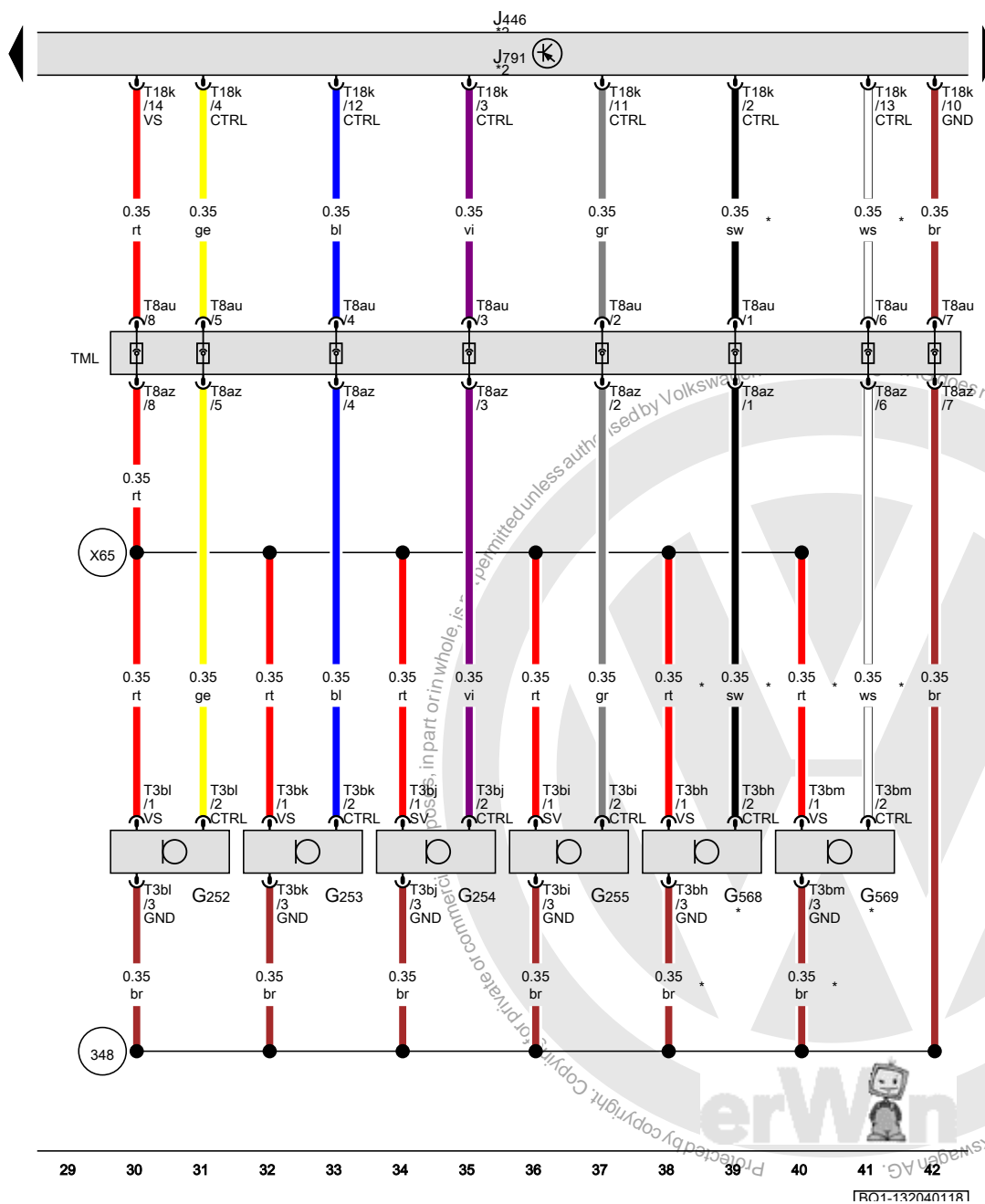
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- * According to equipment

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Switch module 2 in centre console, Park assist steering button, Parking aid control unit, Onboard supply control unit, Park assist steering control unit



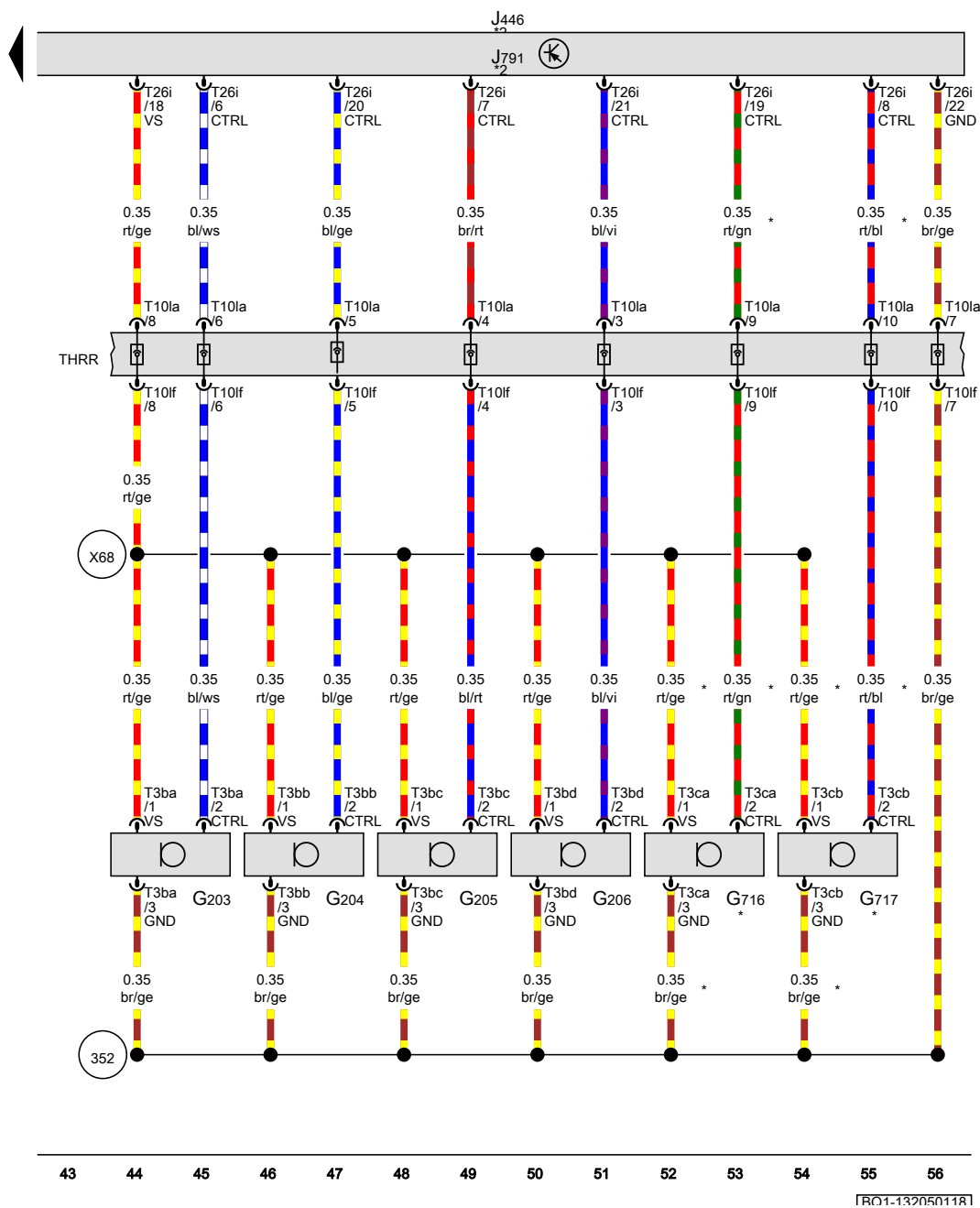
- EX30 Switch module 2 in centre console
- E266 Parking aid button
- E581 Park assist steering button
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J791 Park assist steering control unit
- K136 Parking aid warning lamp
- K241 Warning light for park assist steering
- L76 Button illumination bulb
- T10kz 10-pin connector
- T26i 26-pin connector
- T73c 73-pin connector
- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1 in interior wiring harness
- 286 Earth connection 8 in interior wiring harness
- A19 Connection (58d) in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- * According to equipment



Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Front left sender for park assist steering on left side of vehicle, Front right sender for park assist steering on right side of vehicle, Parking aid control unit, Park assist steering control unit

- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- G568 Front left sender for park assist steering on left side of vehicle
- G569 Front right sender for park assist steering on right side of vehicle
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3bh 3-pin connector
- T3bi 3-pin connector
- T3bj 3-pin connector
- T3bk 3-pin connector
- T3bl 3-pin connector
- T3bm 3-pin connector
- T8au 8-pin connector, black
- T8az 8-pin connector, black
- T18k 18-pin connector
- TML Coupling point in engine compartment, left
- 348 Earth connection (parking aid), in front bumper wiring harness
- X65 Connection (parking aid), in front bumper wiring harness
- * For models with park assist steering
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
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 gr = grey
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 vi = purple
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Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Rear left park assist steering sender, Rear right park assist steering sender, Parking aid control unit, Park assist steering control unit

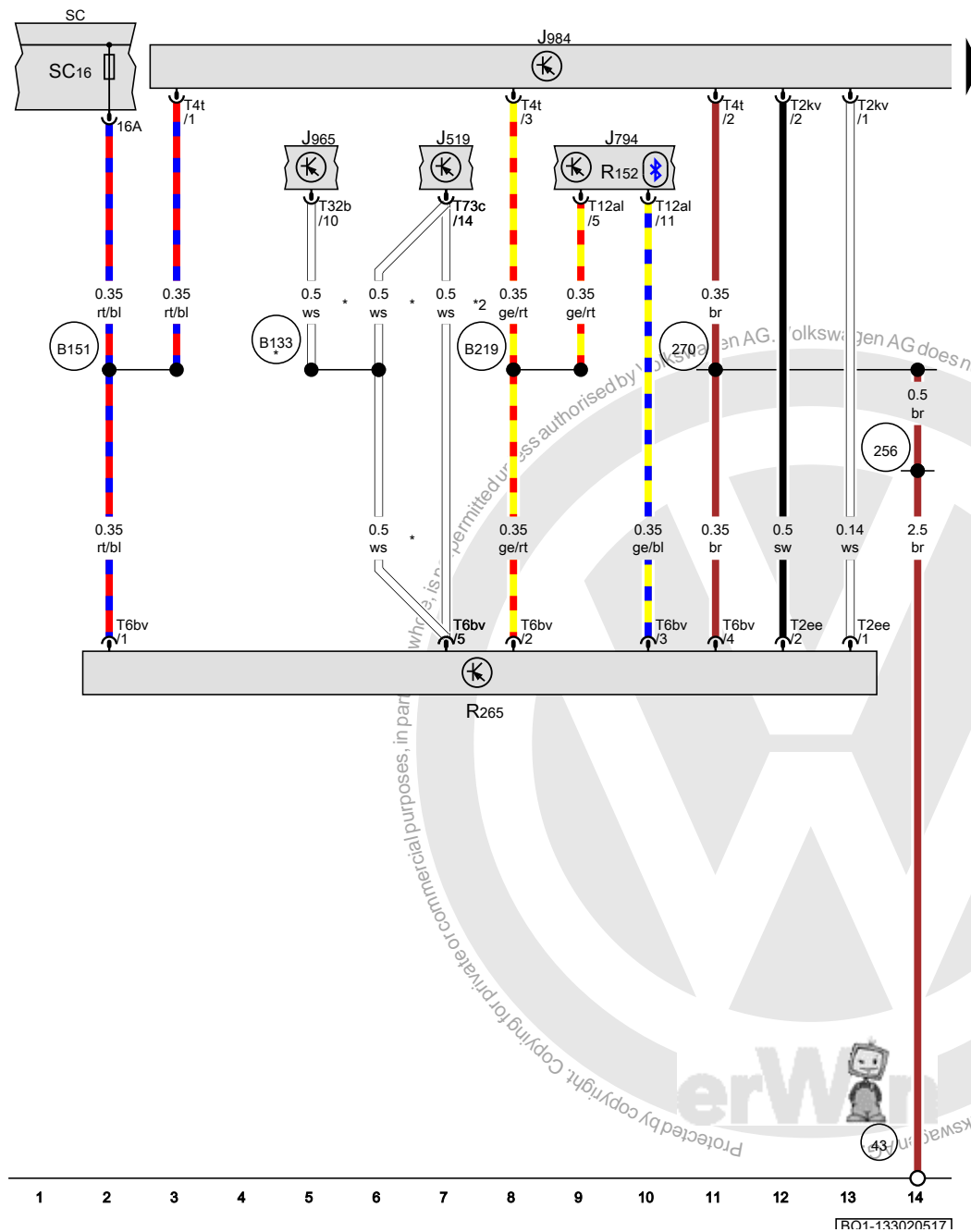
- G203 Rear left parking aid sender
- G204 Rear centre left parking aid sender
- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- G716 Rear left park assist steering sender
- G717 Rear right park assist steering sender
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3ba 3-pin connector
- T3bb 3-pin connector
- T3bc 3-pin connector
- T3bd 3-pin connector
- T3ca 3-pin connector
- T3cb 3-pin connector
- T10la 10-pin connector, black
- T10lf 10-pin connector, black
- T26i 26-pin connector
- THRR Coupling point in luggage compartment, right
- 352 Earth connection (parking aid), in rear bumper wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness
- * For models with park assist steering
- *2 According to equipment

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Mobile telephone systems , (9IP),(9IQ)

From November 2016





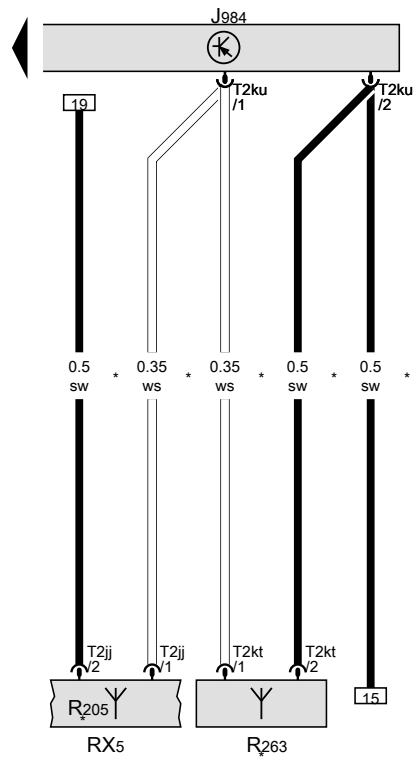
Onboard supply control unit, Control unit 1 for information electronics, Interface for entry and start system, Two-way signal amplifier for mobile telephone/data services, Storage compartment with interface for mobile telephone, Fuse holder C

- J519 Onboard supply control unit
- J794 Control unit 1 for information electronics
- J965 Interface for entry and start system
- J984 Two-way signal amplifier for mobile telephone/data services, in luggage compartment, rear right
- R152 Aerial for Bluetooth
- R265 Storage compartment with interface for mobile telephone, in centre console
- SC Fuse holder C
- SC16 Fuse 16 on fuse holder C
- T2ee 2-pin connector, purple
- T2kv 2-pin connector, black
- T4t 4-pin connector, black
- T6bv 6-pin connector, black
- T12al 12-pin connector, grey
- T32b 32-pin connector, blue
- T73c 73-pin connector, black

- 43 Earth point, lower part of right A-pillar
- 256 Earth connection 2, in radio wiring harness
- 270 Earth connection, in telephone wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B151 Positive connection 3 (30a), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

- * Only models with entry and start authorisation
- *2 Only models with no entry and start authorisation

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- gn = green
- bl = blue
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Two-way signal amplifier for mobile telephone/data services, Roof aerial, Emergency call module aerial

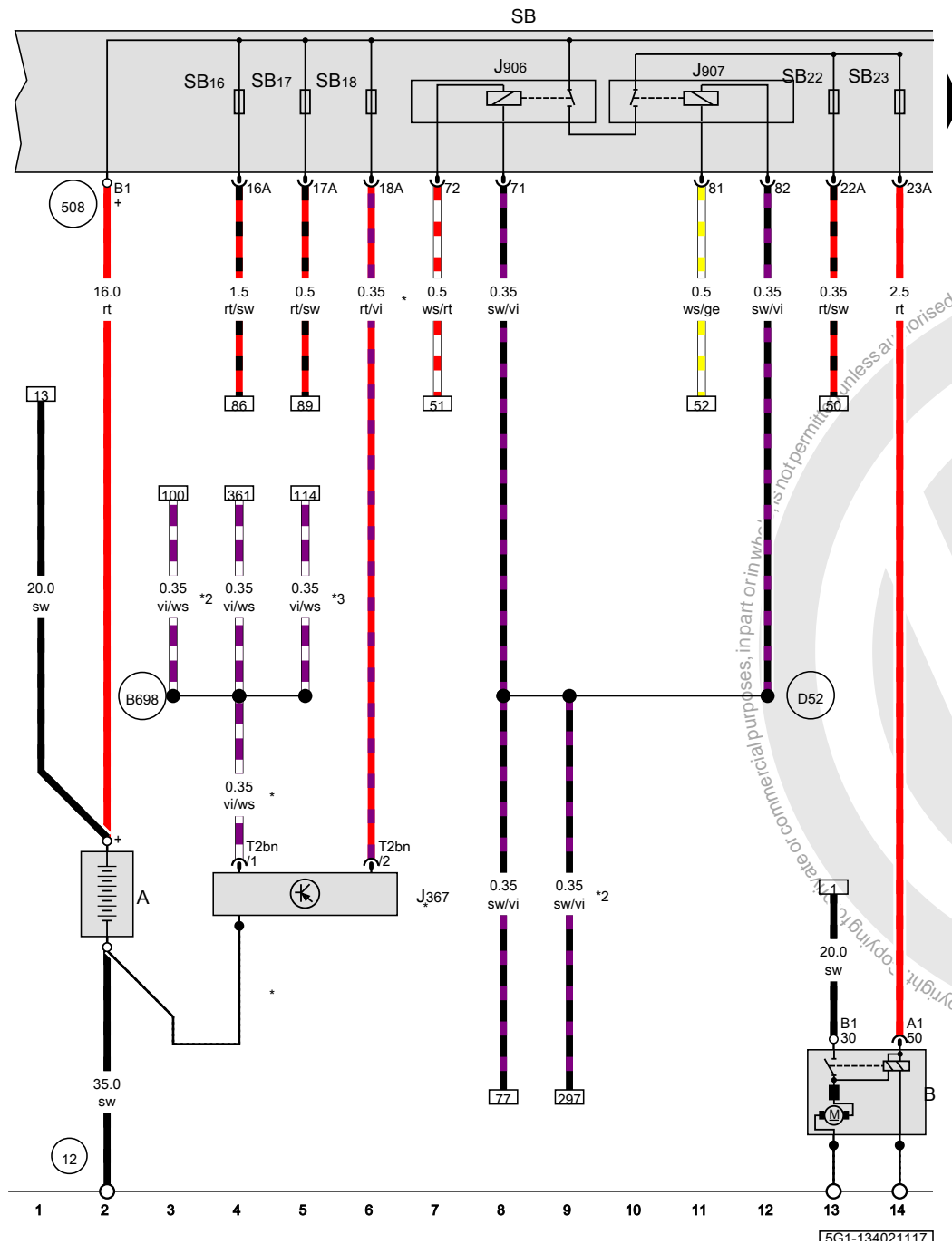
- J984 Two-way signal amplifier for mobile telephone/data services, in luggage compartment, rear right
- RX5 Roof aerial
- R205 GSM aerial
- R263 Emergency call module aerial
- T2jj 2-pin connector, purple
- T2kt 2-pin connector, purple
- T2ku 2-pin connector, purple
- * According to equipment

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 or = orange
 rs = pink

2.0l petrol engine , CJXD,CJXG,DHJA,DJHA,DJHB,DJJA

From November 2016



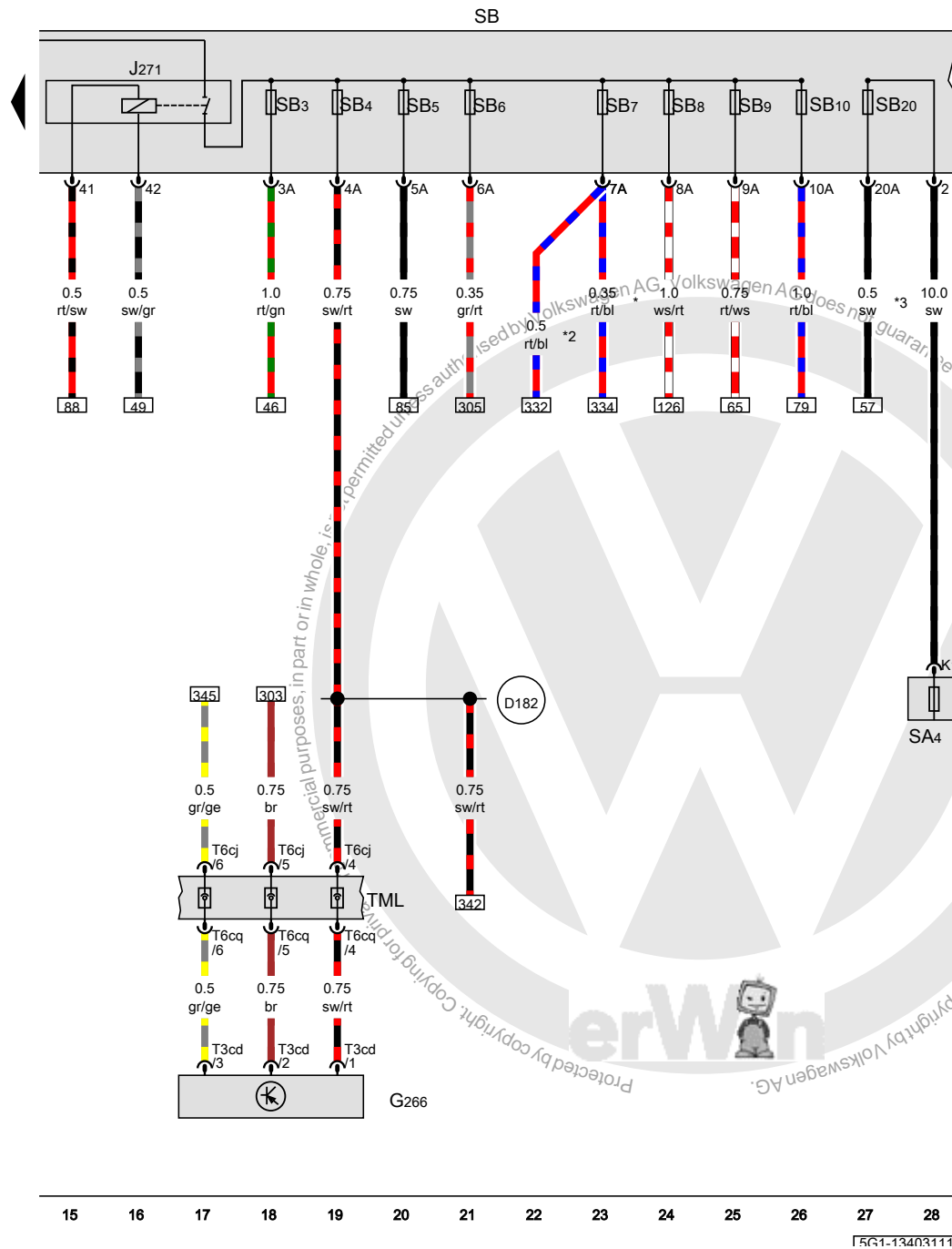


Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit, on earth cable battery clamp
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T2bn 2-pin connector
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- B698 Connection 3 (LIN bus) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- * According to equipment
- *2 For models with manual gearbox
- *3 For models with dual clutch gearbox

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

15G1-1340211171

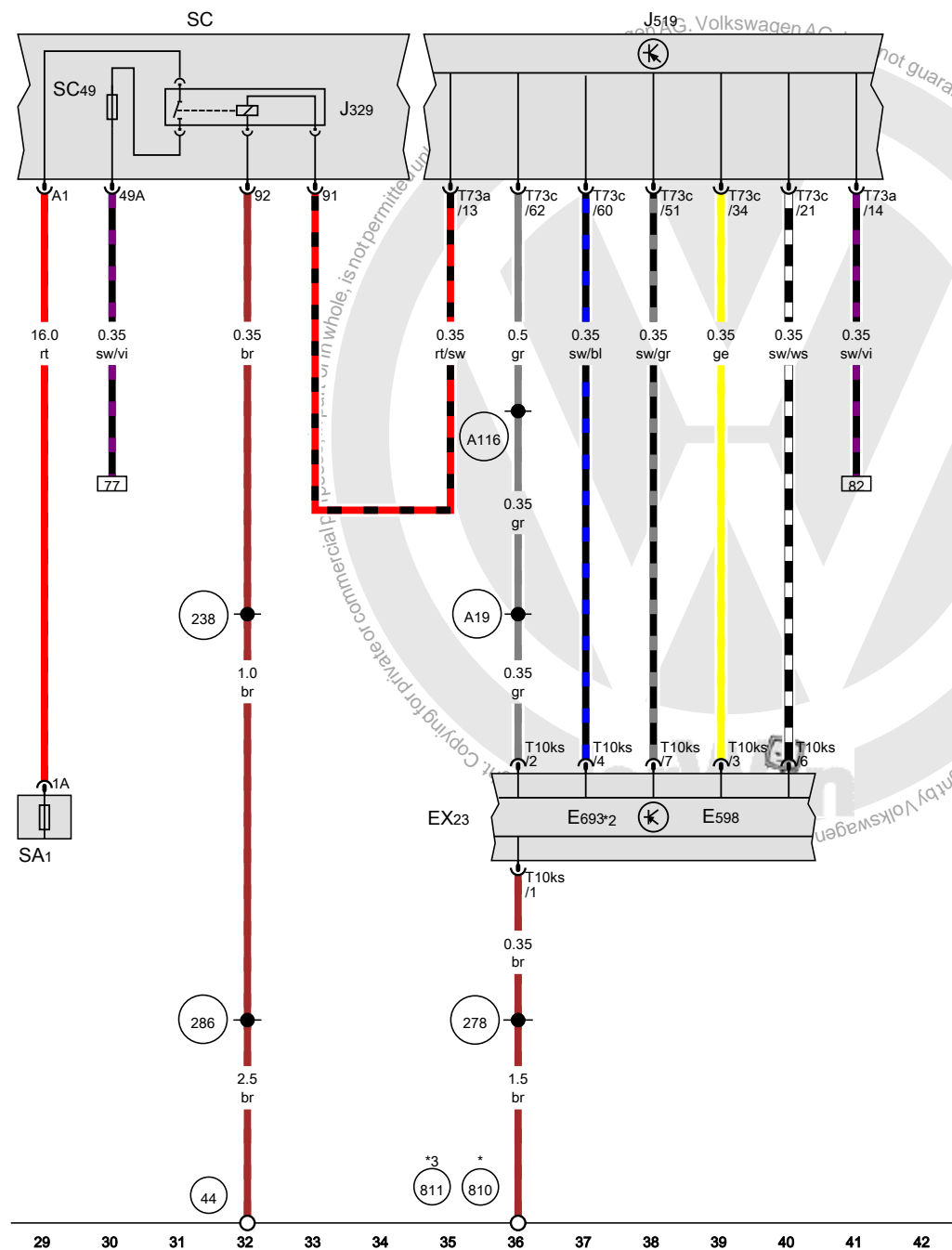


Oil level and oil temperature sender, Main relay, Fuse holder B

- G266 Oil level and oil temperature sender
- J271 Main relay
- SA4 Fuse 4 on fuse holder A
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- T3cd 3-pin connector
- T6cj 6-pin connector, black
- T6cq 6-pin connector, black
- TML Coupling point in engine compartment, left

D182 Connection 3 (87a), in engine compartment wiring harness

- * For models with manual gearbox
- *2 For models with dual clutch gearbox
- *3 For American markets



Switch module 1 in centre console, Driving program button, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E693 Start/Stop operation button
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- SA1 Fuse 1 on fuse holder A
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T10ks 10-pin connector
- T73a 73-pin connector, black
- T73c 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

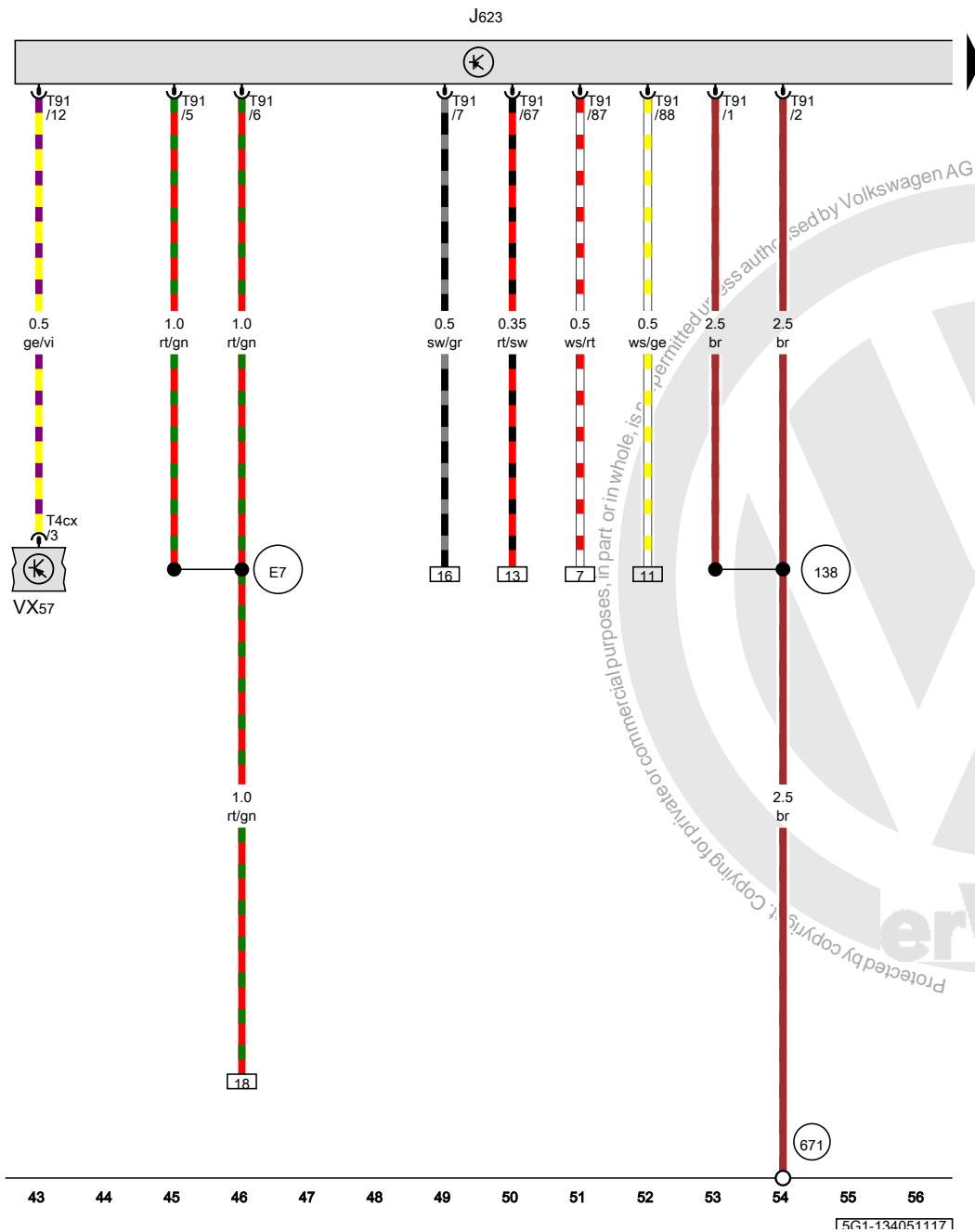
- * For left-hand drive models
- *2 For models with start/stop system
- *3 For right-hand drive models

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

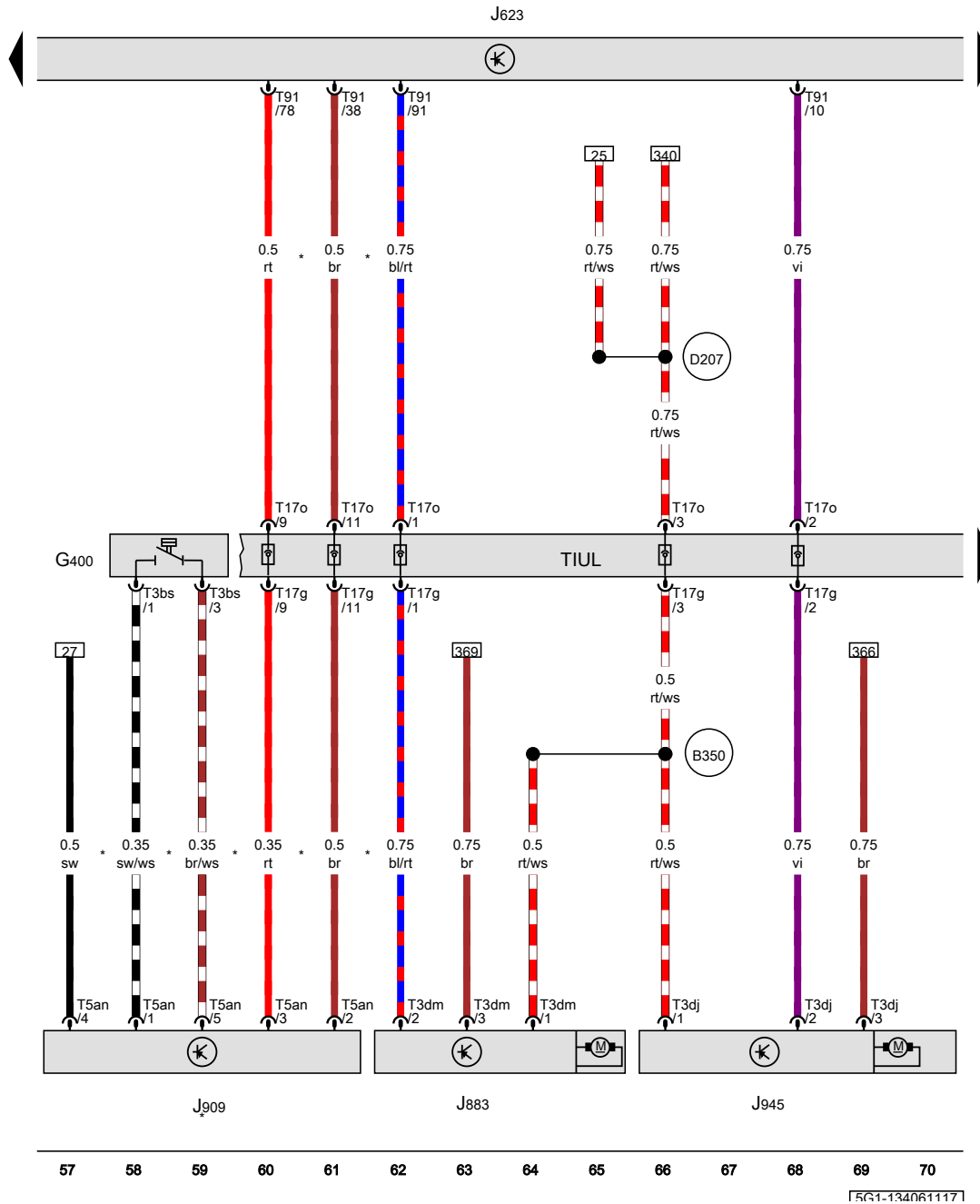
Engine/motor control unit, Radiator fan

J623 Engine/motor control unit
T4cx 4-pin connector, black
T91 91-pin connector, black
VX57 Radiator fan

138 Earth connection (control unit), in Motronic wiring harness
671 Earth point 1, on front of left longitudinal member
E7 Connection (87a), in Motronic wiring harness



15G1-134051117



Engine/motor control unit, Exhaust flap control unit, Exhaust flap control unit 2

- G400 Tank pressure sensor
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- J909 Control unit for fuel tank leak detection
- J945 Exhaust flap control unit 2
- T3bs 3-pin connector, black
- T3dj 3-pin connector, black
- T3dm 3-pin connector, black
- T5an 5-pin connector, colourless
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left

- B350 Positive connection 1 (87a) in main wiring harness
- D207 Connection 7 (87a), in engine compartment wiring harness
- * For American markets

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15G1-134061117

J527	Steering column electronics control unit
J623	Engine/motor control unit
J764	Control unit for electronic steering column lock
T14a	14-pin connector, black
T16r	16-pin connector
T16s	16-pin connector
T17d	17-pin connector, black
T17g	17-pin connector, blue
T17l	17-pin connector, black
T17o	17-pin connector, blue
T91	91-pin connector, black
TIUL	Coupling point in interior, below left

For models with entry and start authorisation

*2 see applicable current flow diagram

*3 Up to November 2017

*4 For models with cruise control system

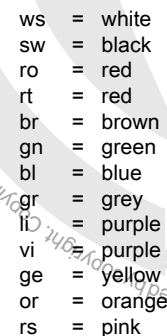
*5 For models with no heated steering wheel

*6 For models with no entry and start authorisation

*7 For models with cruise control system (CCS)

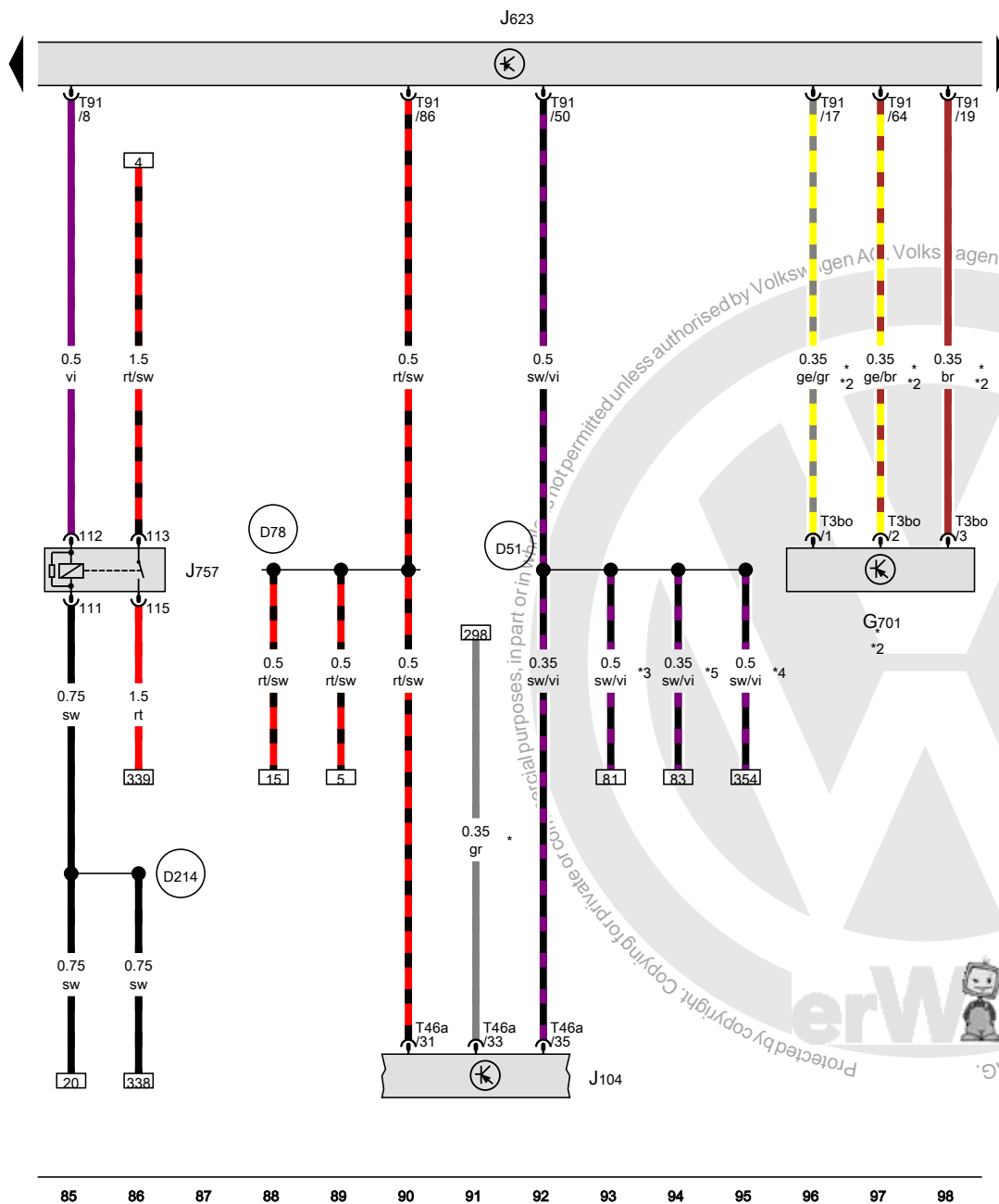
*8 For models with heated steering wheel

*9 From November 2017



Gearbox neutral position sender, ABS control unit, Engine/motor control unit, Engine component current supply relay

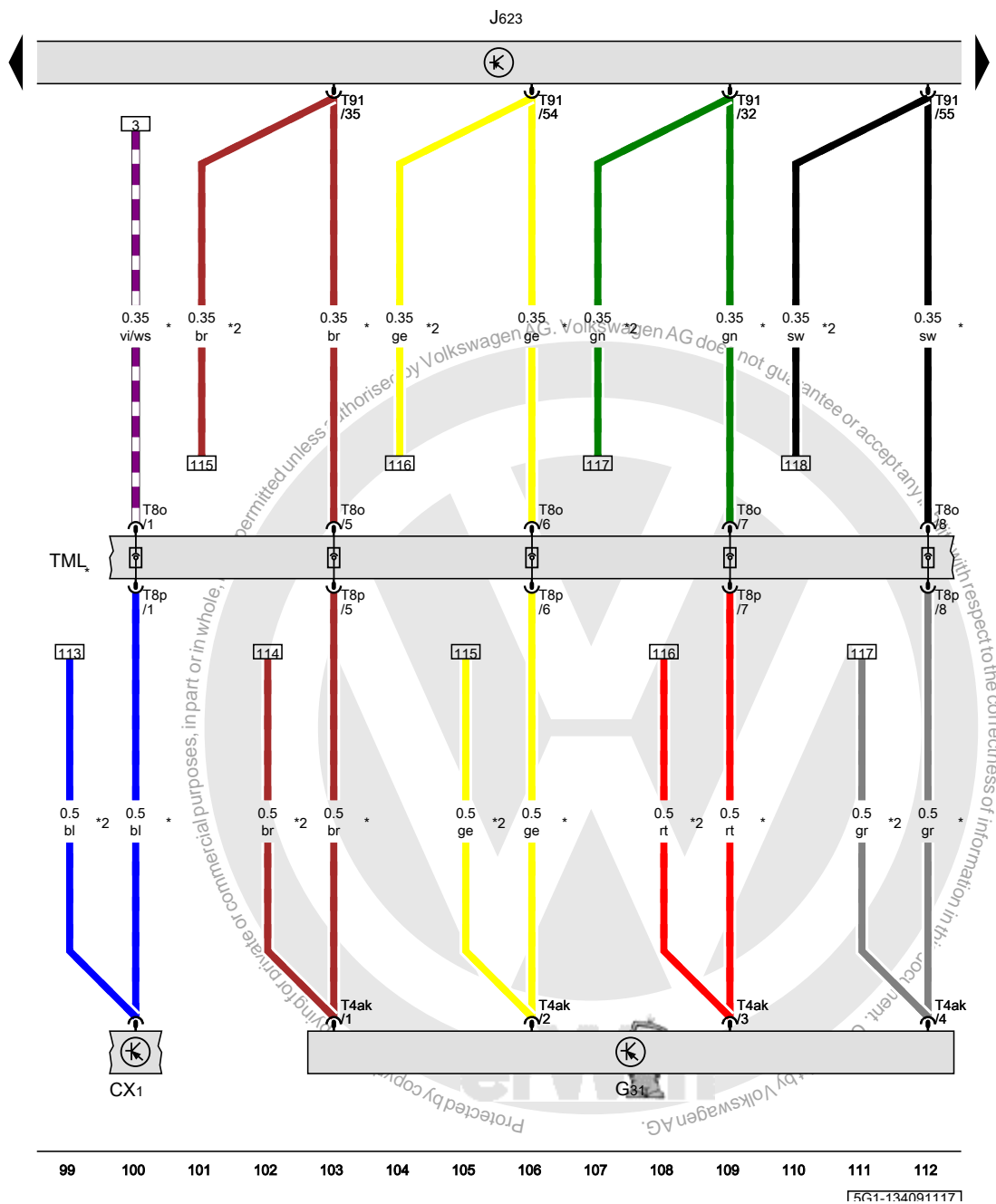
- G701 Gearbox neutral position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- J757 Engine component current supply relay, in E-box in engine compartment
- T3bo 3-pin connector
- T46a 46-pin connector
- T91 91-pin connector, black
- D51 Positive connection 1 (15), in engine compartment wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D214 Connection 8 (87a), in engine compartment wiring harness
- *2 For models with manual gearbox
- *2 For models with start/stop system
- *3 Up to November 2017
- *4 For models with dual clutch gearbox
- *5 From November 2017



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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Alternator with voltage regulator, Charge pressure sender, Engine/motor control unit

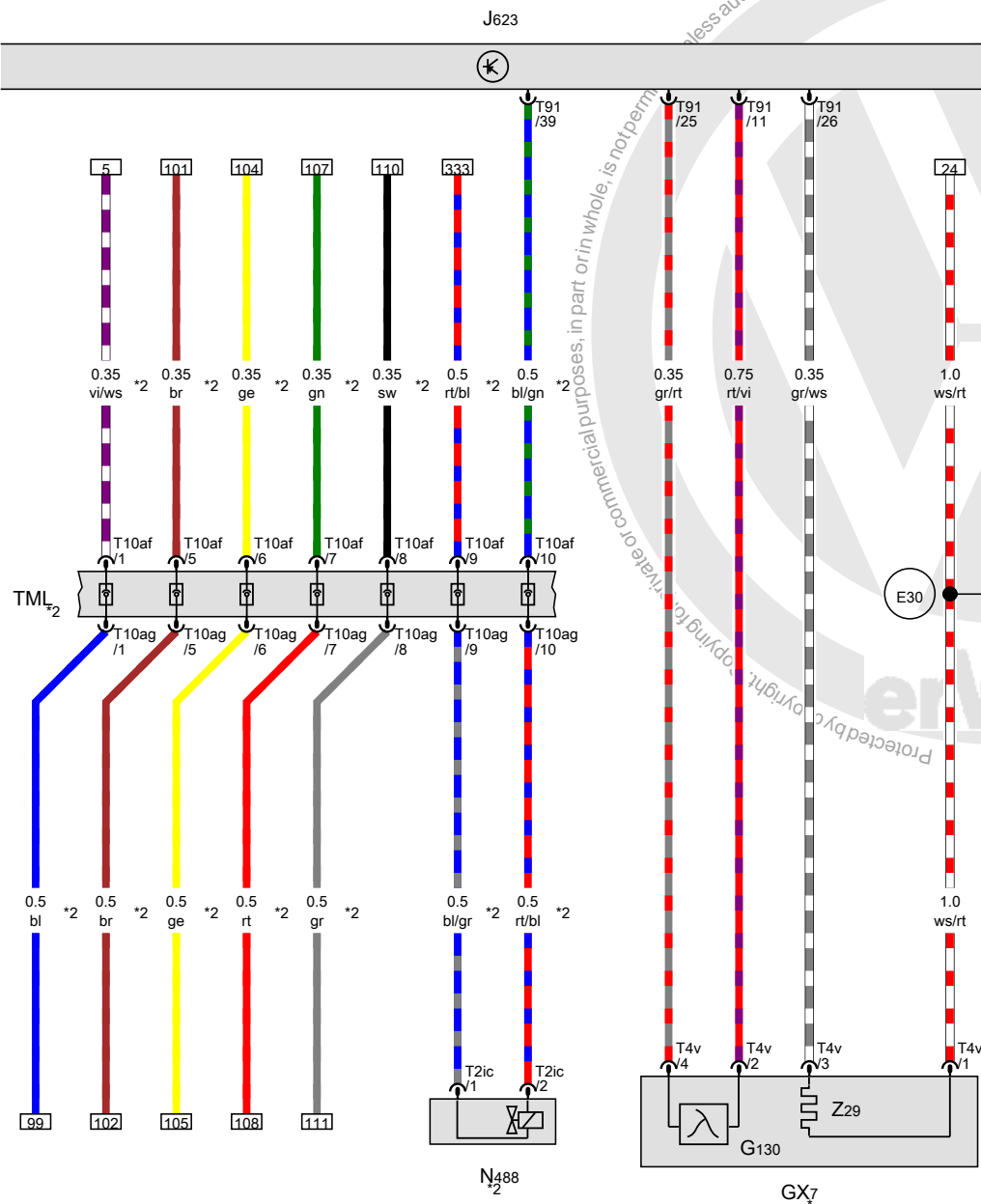
- CX1 Alternator with voltage regulator
- G31 Charge pressure sender
- J623 Engine/motor control unit
- T4ak 4-pin connector
- T8o 8-pin connector, black
- T8p 8-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- * For models with manual gearbox
- *2 For models with dual clutch gearbox



Lambda probe 1 after catalytic converter, Engine/motor control unit, Coolant valve for gearbox

- GX7 Lambda probe 1 after catalytic converter
- G130 Lambda probe after catalytic converter
- J623 Engine/motor control unit
- N488 Coolant valve for gearbox
- T2ic 2-pin connector, black
- T4v 4-pin connector, black, near brake fluid reservoir
- T10af 10-pin connector, black
- T10ag 10-pin connector, black
- T91 91-pin connector, black
- TML Coupling point in engine compartment, left
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness

- * Pre-wired component
- *2 For models with dual clutch gearbox



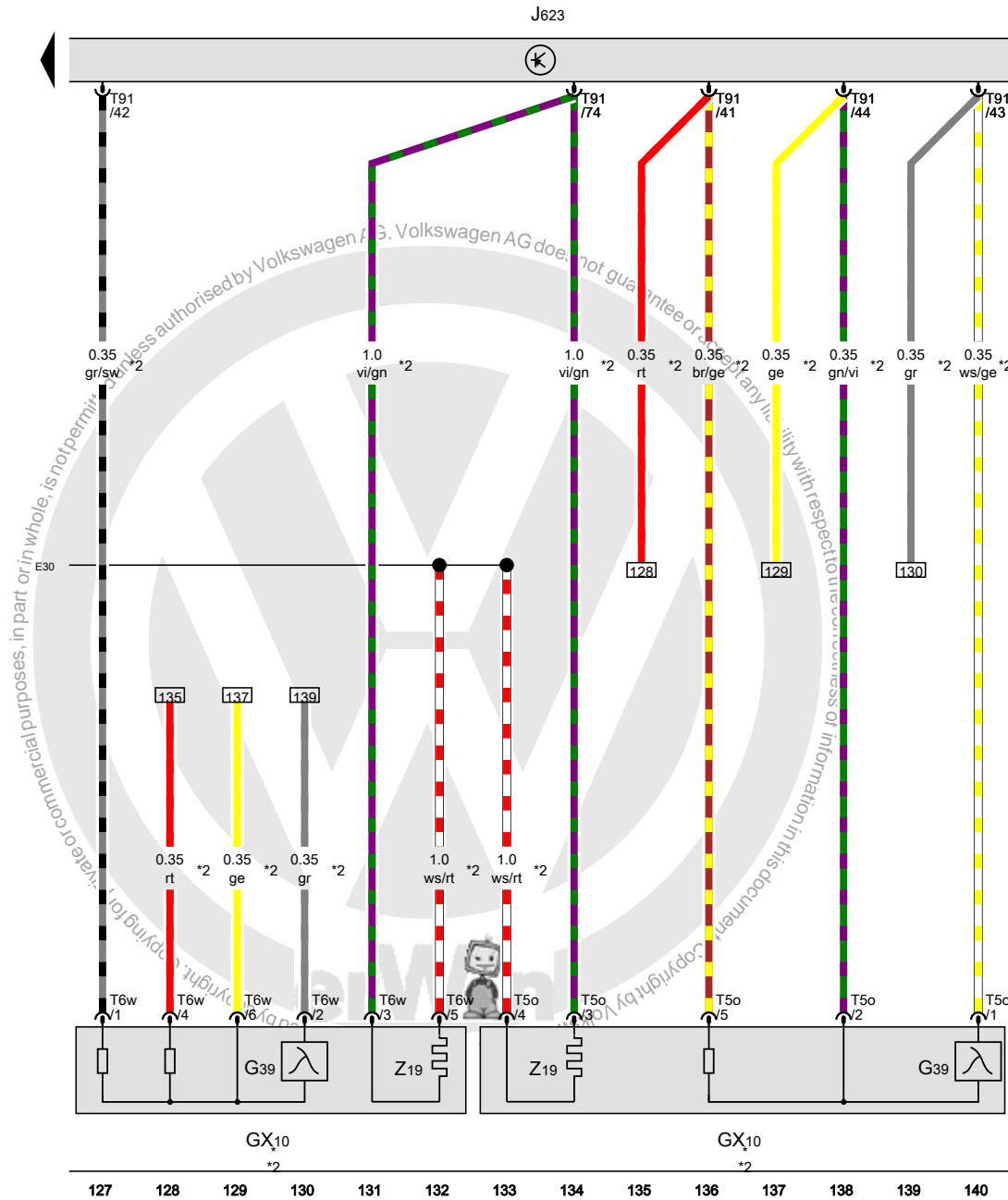
- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Lambda probe 1 before catalytic converter, Engine/motor control unit

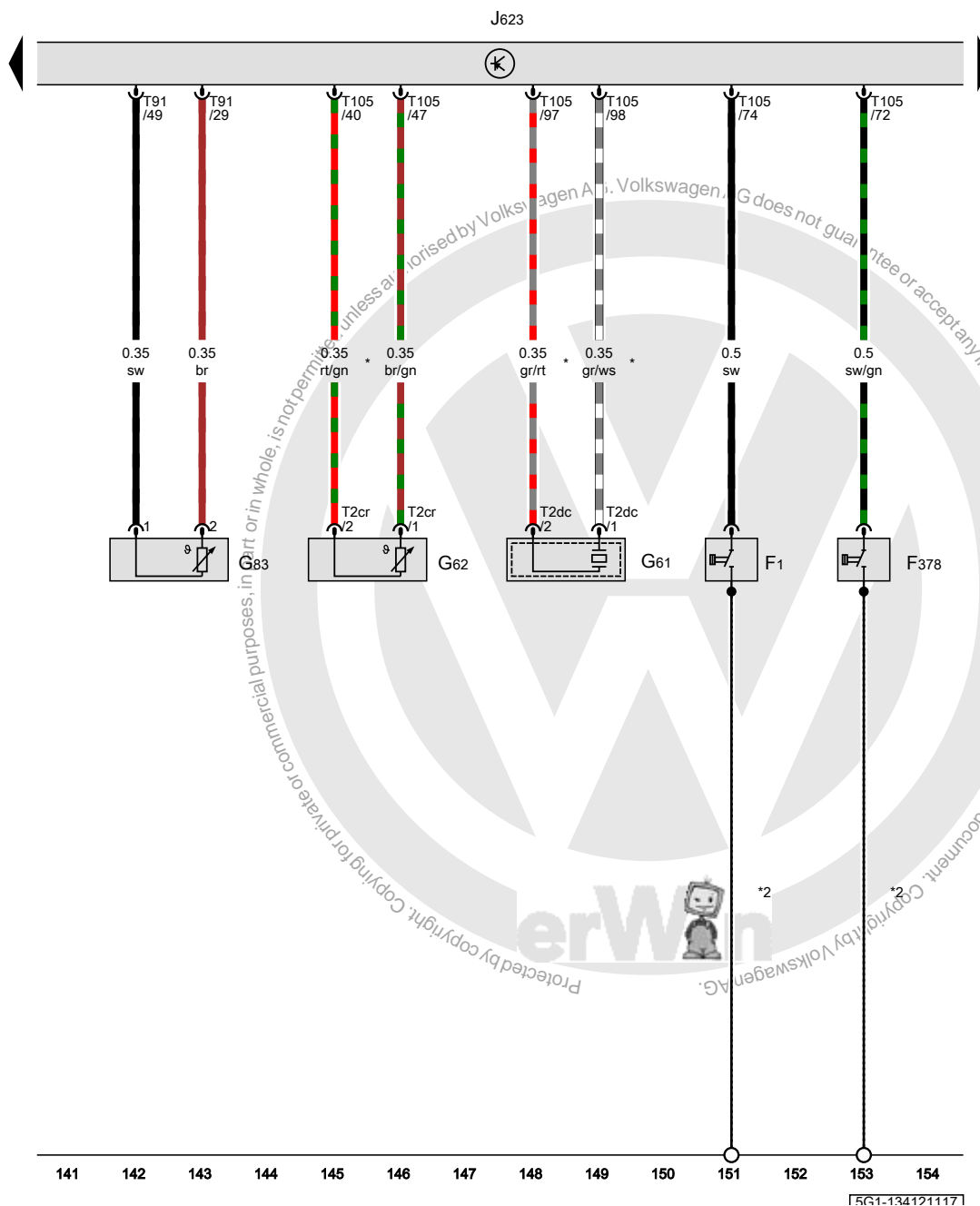
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine/motor control unit
- T5o 5-pin connector, grey, near brake fluid reservoir
- T6w 6-pin connector, black, near brake fluid reservoir
- T91 91-pin connector, black
- Z19 Lambda probe heater

E30 Connection (87a), in engine wiring harness

- * Pre-wired component
- *2 According to equipment

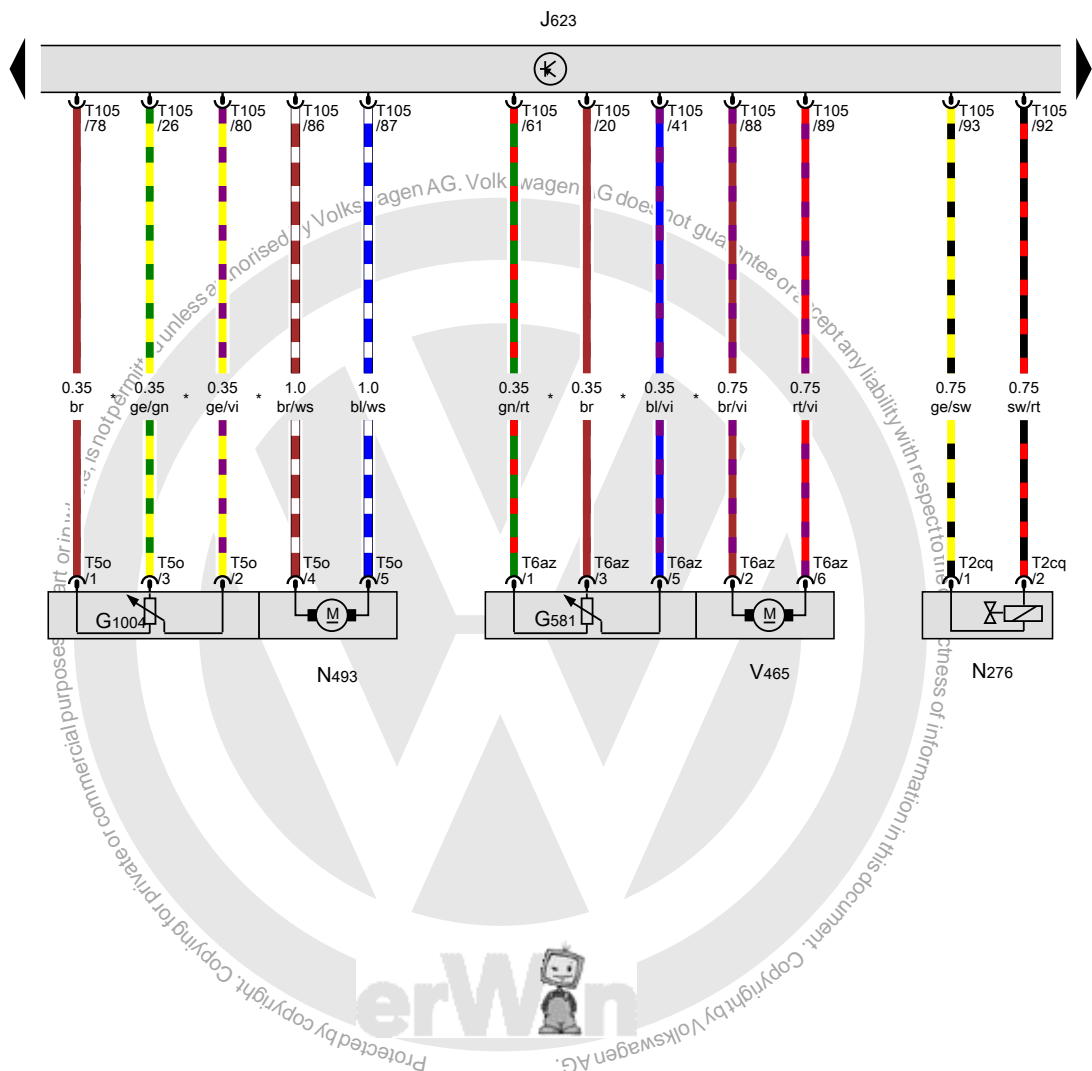


[5G1-134111117]



Oil pressure switch, Oil pressure switch for reduced oil pressure, Knock sensor 1, Coolant temperature sender, Radiator outlet coolant temperature sender, Engine/motor control unit

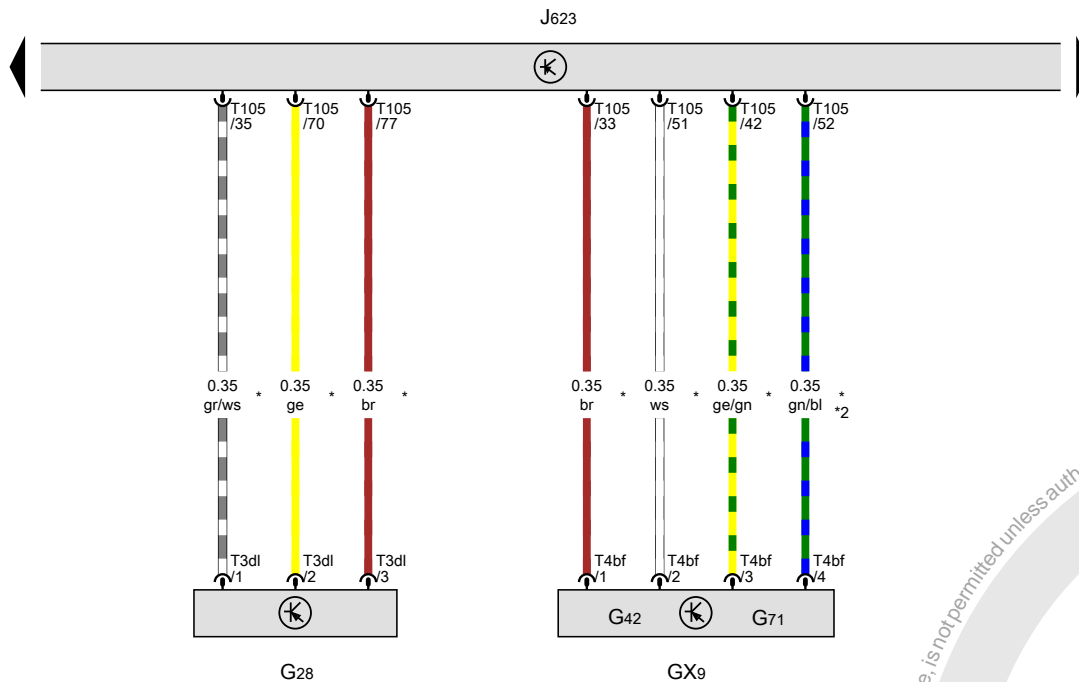
- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- J623 Engine/motor control unit
- T2cr 2-pin connector, yellow
- T2dc 2-pin connector, yellow
- T91 91-pin connector, black
- T105 105-pin connector, black
- * Cross section depends on equipment
- *2 Earth supply via housing



Position sender for charge pressure positioner, Position sender for engine temperature regulation, Engine/motor control unit, Fuel pressure regulating valve, Actuator for engine temperature regulation, Charge pressure positioner

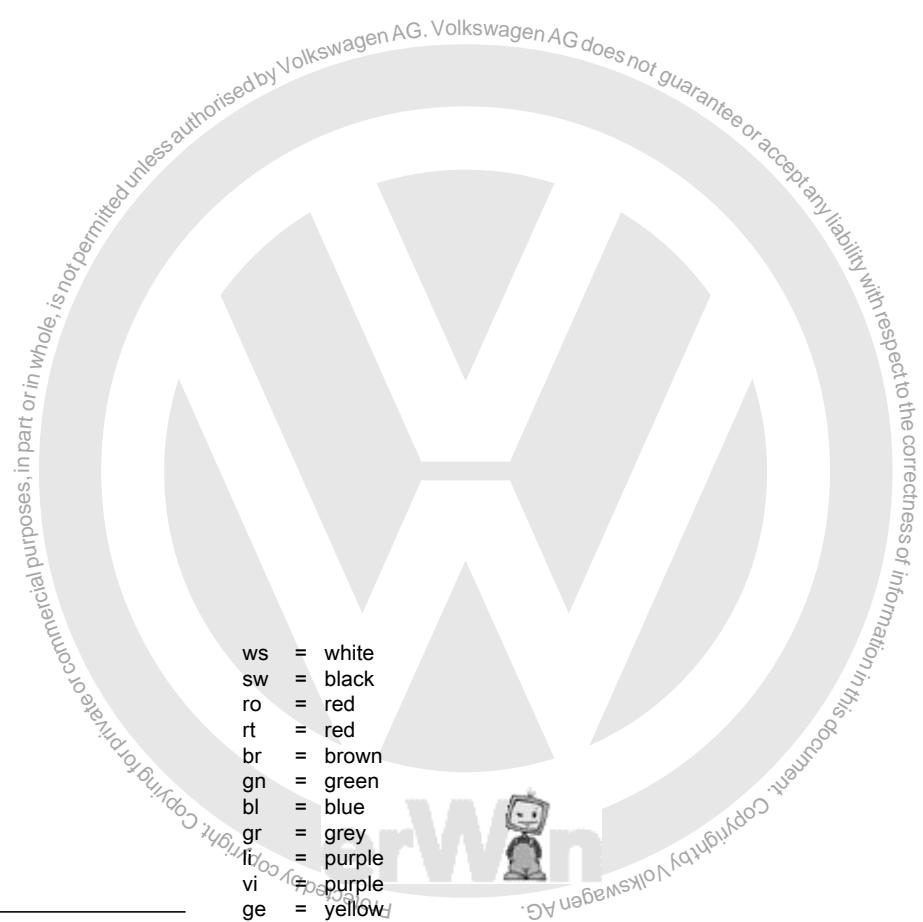
- G581 Position sender for charge pressure positioner
- G1004 Position sender for engine temperature regulation
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- N493 Actuator for engine temperature regulation
- T2cq 2-pin connector, black
- T50 5-pin connector, grey, black
- T6az 6-pin connector, grey
- T105 105-pin connector, black
- V465 Charge pressure positioner
- * Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

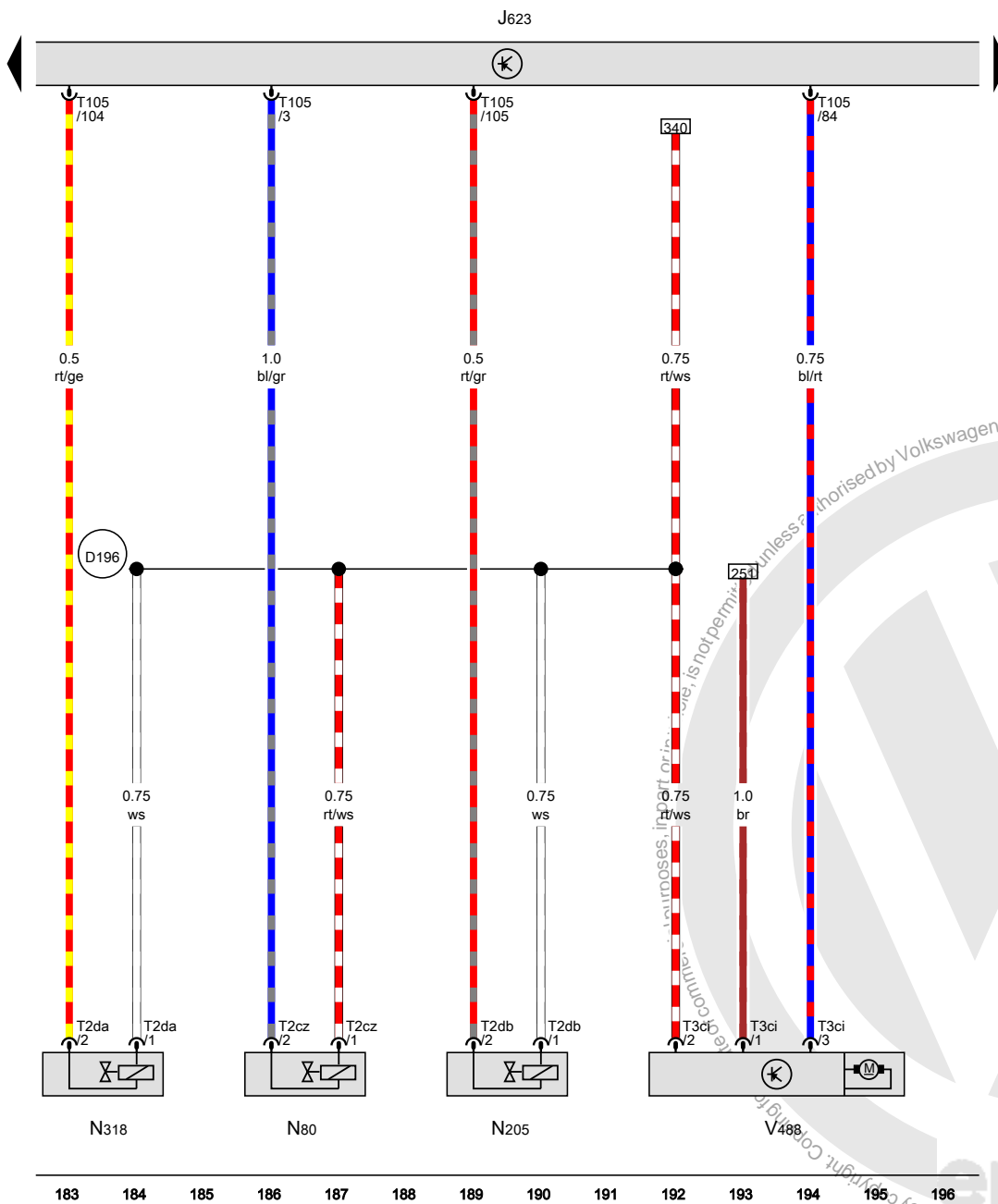


Intake manifold sender, Engine speed sender, Engine/motor control unit

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine/motor control unit
- T3dl 3-pin connector, brown
- T4bf 4-pin connector, black
- T105 105-pin connector, black
- * Cross section depends on equipment
- *2 For models with dual clutch gearbox



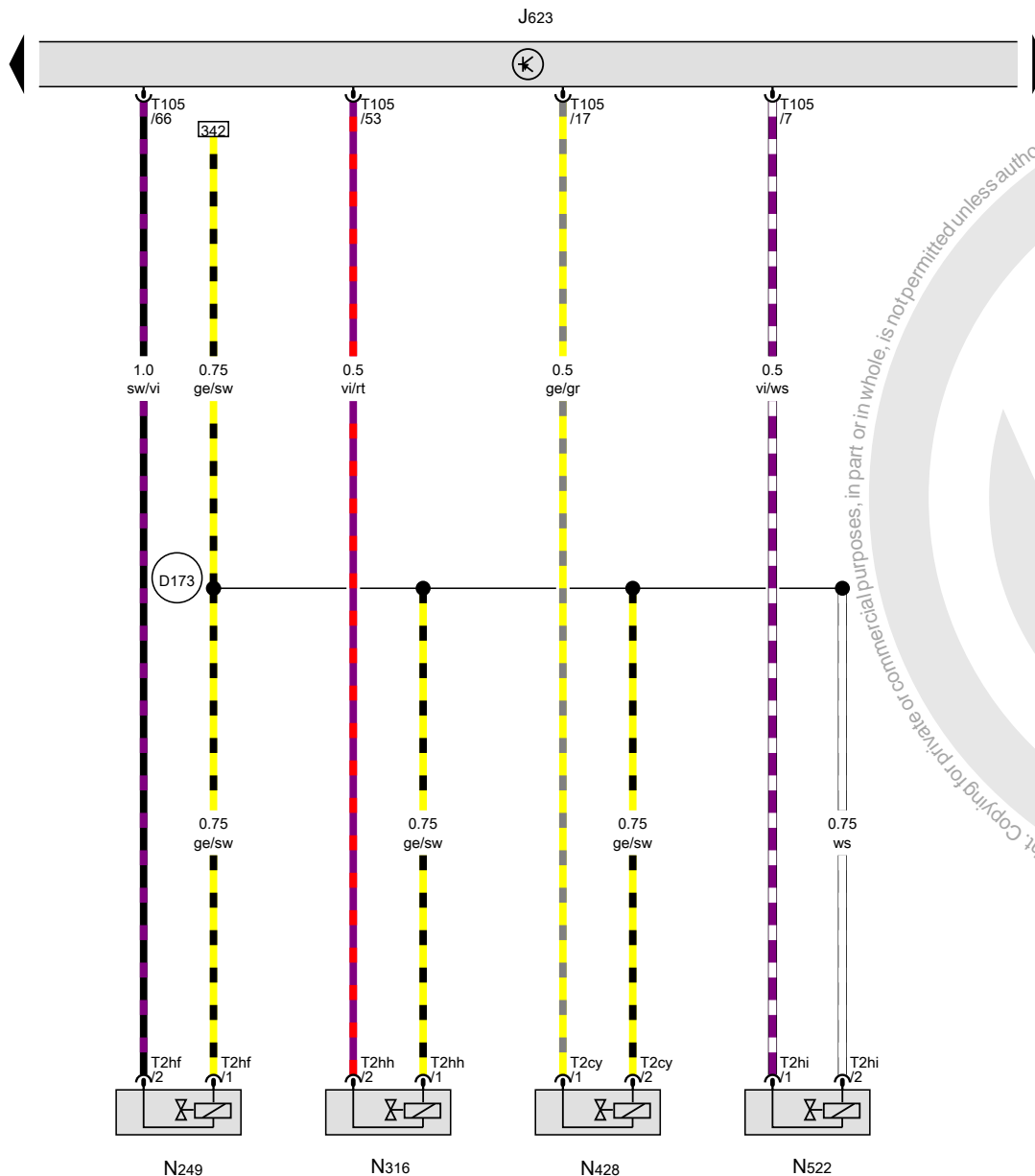
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- lt = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine/motor control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Auxiliary pump for heating

- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- T2cz 2-pin connector, yellow
- T2da 2-pin connector, black
- T2db 2-pin connector, black
- T3ci 3-pin connector, black
- T105 105-pin connector, black
- V488 Auxiliary pump for heating
- D196 Connection 2 (87a) in engine prewiring harness

Engine/motor control unit, Turbocharger air recirculation valve, Intake manifold flap valve, Valve for oil pressure control, Piston cooling jet control valve

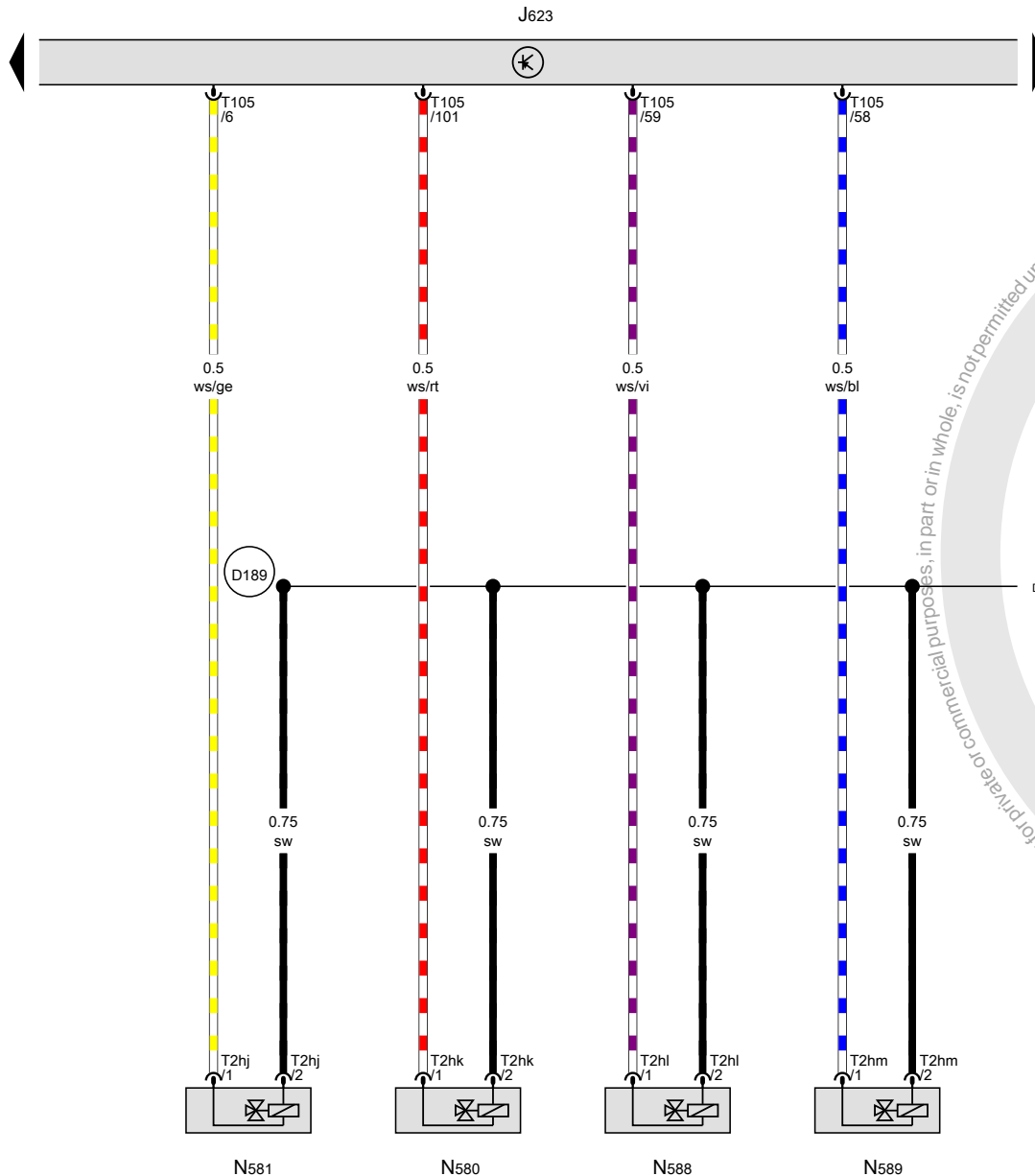


- J623 Engine/motor control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2cy 2-pin connector, black
- T2hf 2-pin connector, black
- T2hh 2-pin connector, black
- T2hi 2-pin connector, black
- T105 105-pin connector, black
- D173 Connection (87), in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

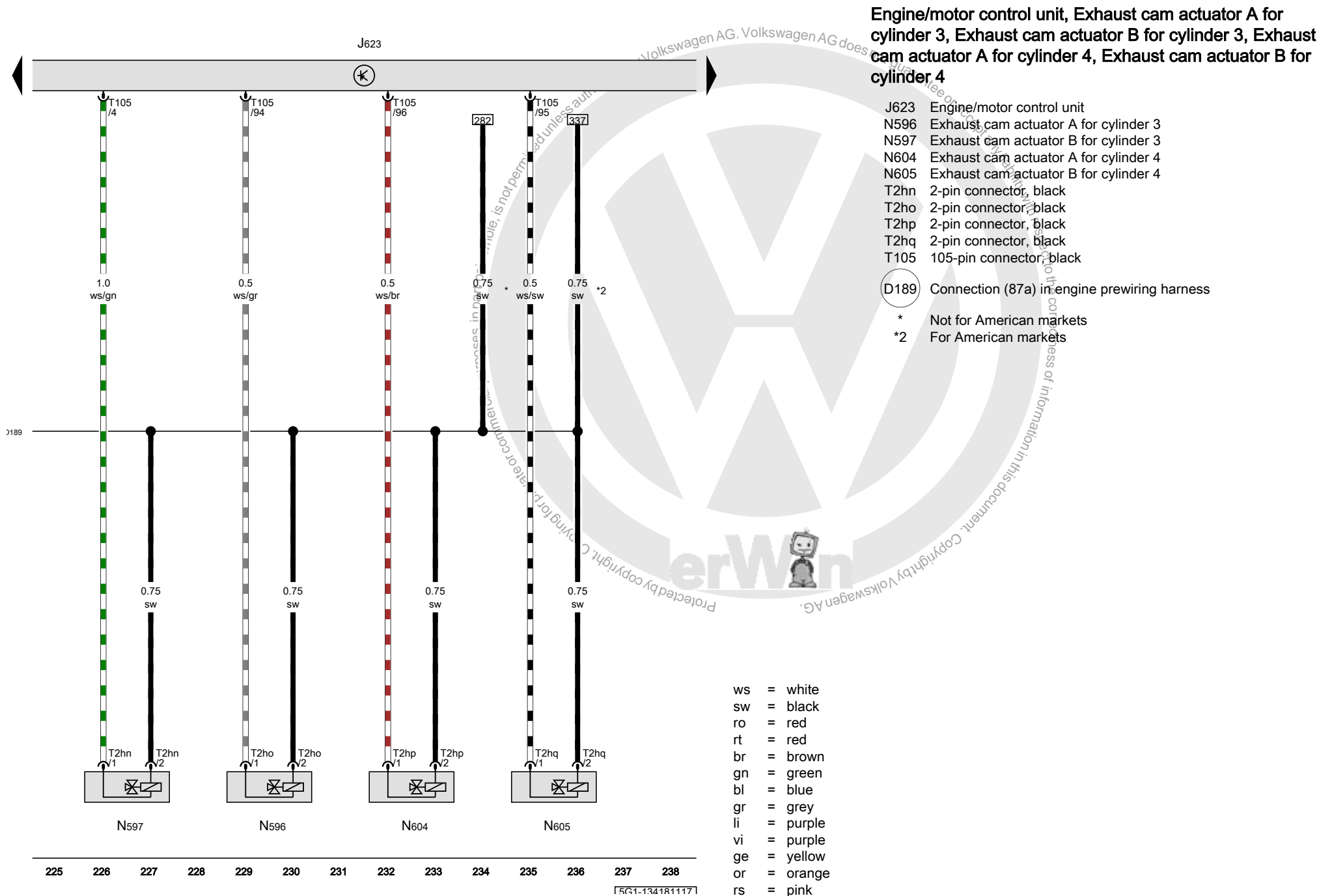
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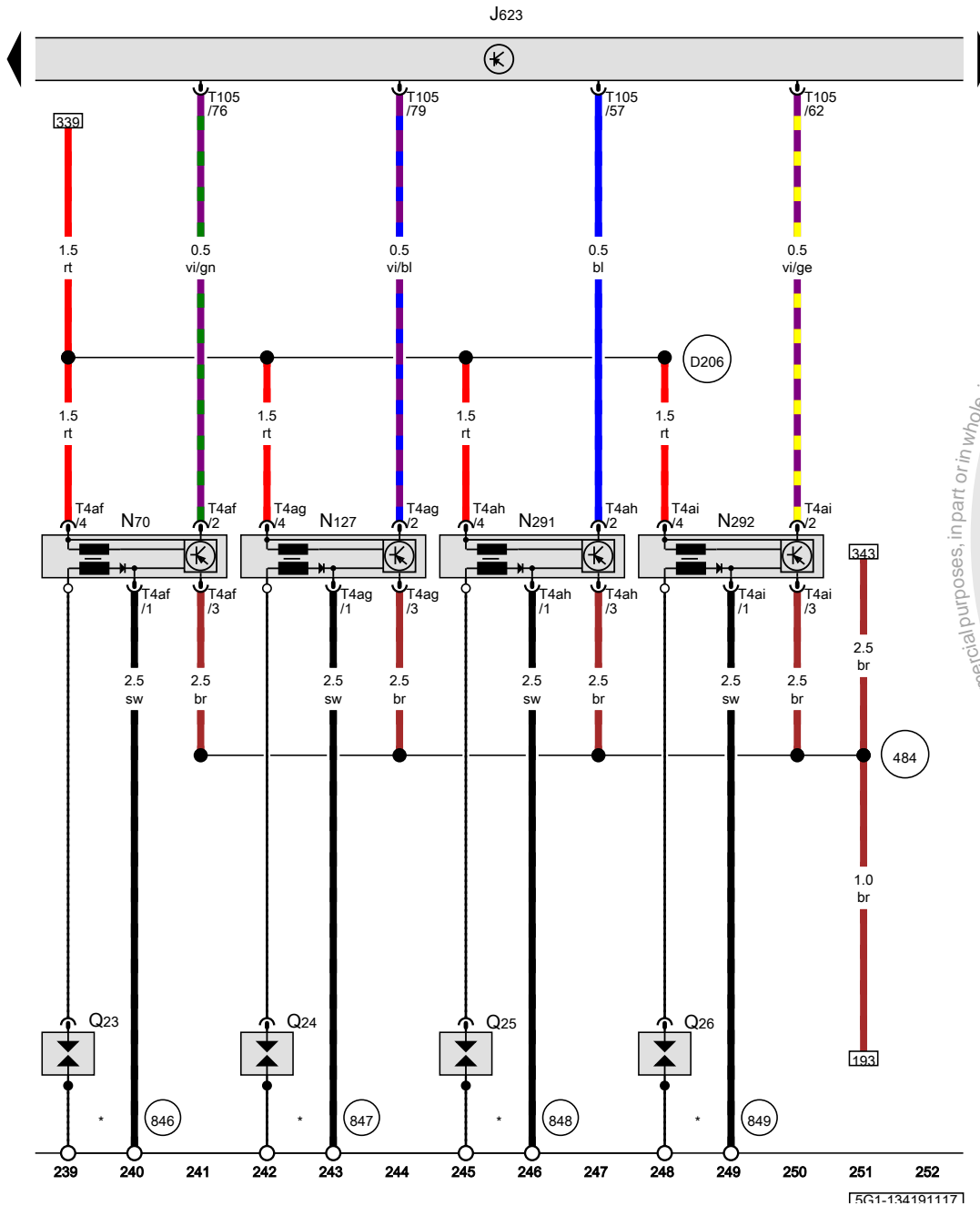


Engine/motor control unit, Exhaust cam actuator A for cylinder 1, Exhaust cam actuator B for cylinder 1, Exhaust cam actuator A for cylinder 2, Exhaust cam actuator B for cylinder 2

- J623 Engine/motor control unit
- N580 Exhaust cam actuator A for cylinder 1
- N581 Exhaust cam actuator B for cylinder 1
- N588 Exhaust cam actuator A for cylinder 2
- N589 Exhaust cam actuator B for cylinder 2
- T2hj 2-pin connector, black
- T2hk 2-pin connector, black
- T2hl 2-pin connector, black
- T2hm 2-pin connector, black
- T105 105-pin connector, black
- D189 Connection (87a) in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



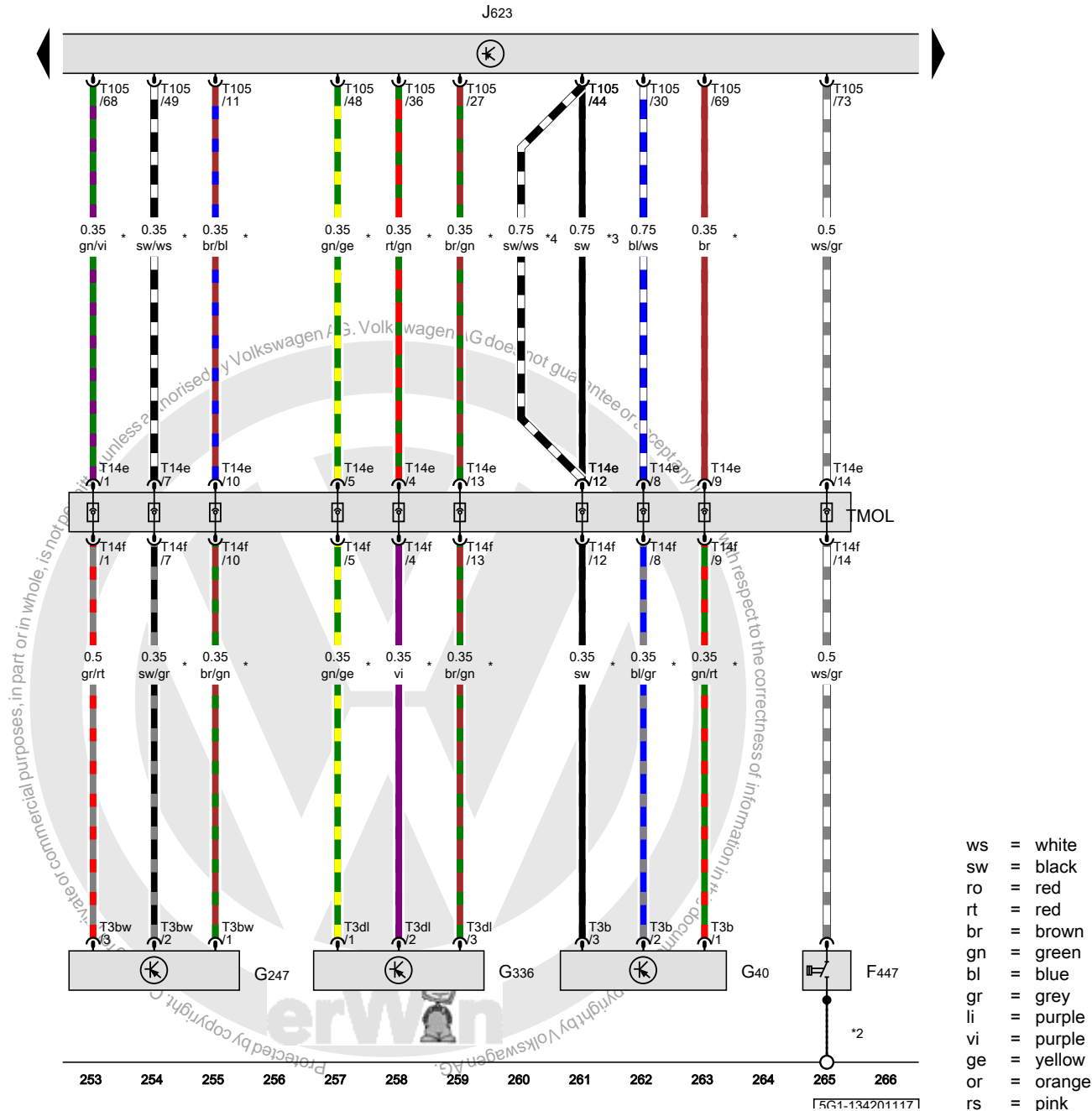


Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- Q26 Spark plug 4
- T4af 4-pin connector, black
- T4ag 4-pin connector, black
- T4ah 4-pin connector, black
- T4ai 4-pin connector, black
- T105 105-pin connector, black

- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1, on ignition coil
- 847 Earth point on ignition coil 2, on ignition coil
- 848 Earth point on ignition coil 3, on ignition coil
- 849 Earth point on ignition coil 4, on ignition coil
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing

Stage 3 oil pressure switch, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine/motor control unit



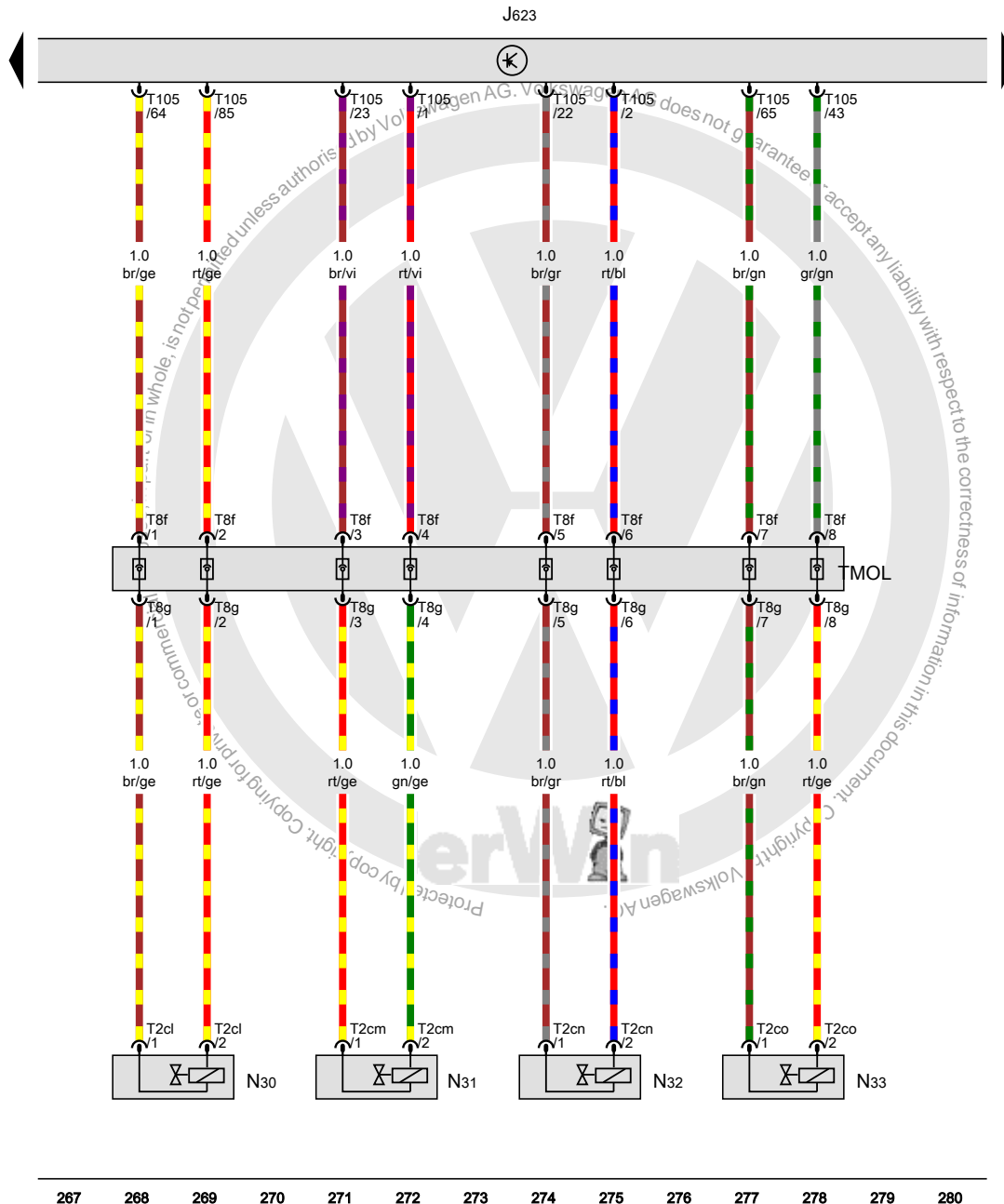
- F447 Stage 3 oil pressure switch
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3dl 3-pin connector, black
- T14e 14-pin connector, black
- T14f 14-pin connector, black
- T105 105-pin connector, black
- TMOL Coupling point on engine, top left
- * Cross section depends on equipment
- *2 Earth supply via housing
- *3 For models with manual gearbox
- *4 For models with dual clutch gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T8f 8-pin connector, black
- T8g 8-pin connector, black
- T105 105-pin connector, black
- TMOL Coupling point on engine, top left

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



267 268 269 270 271 272 273 274 275 276 277 278 279 280

[5G1-134211117]

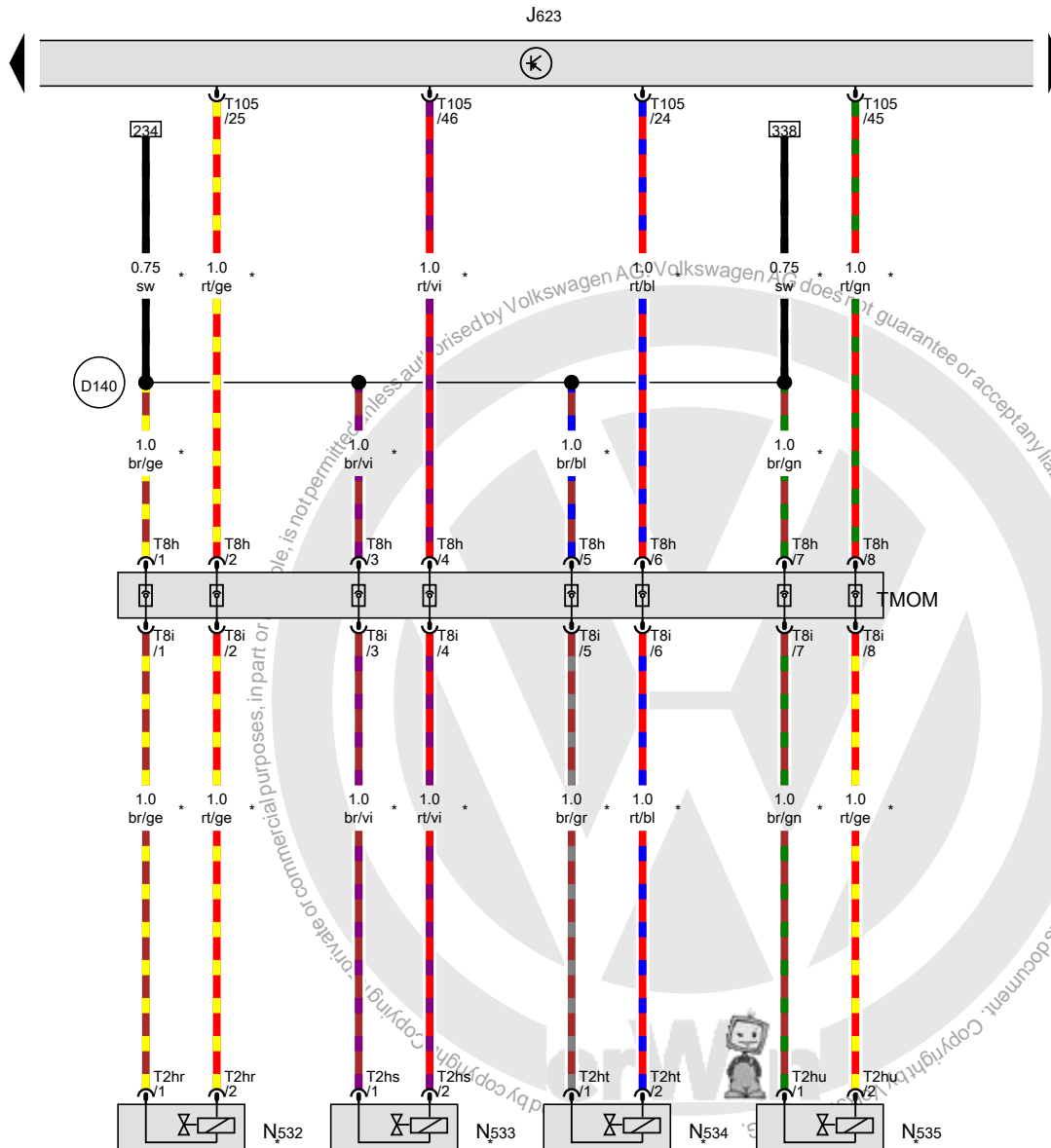
Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

- J623 Engine/motor control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2hr 2-pin connector, black
- T2hs 2-pin connector, black
- T2ht 2-pin connector, black
- T2hu 2-pin connector, black
- T8h 8-pin connector, black
- T8i 8-pin connector, black
- T105 105-pin connector, black
- TMOM Coupling point on engine, top centre

D140 Connection (injectors), in engine prewiring harness

* Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



281 282 283 284 285 286 287 288 289 290 291 292 293 294

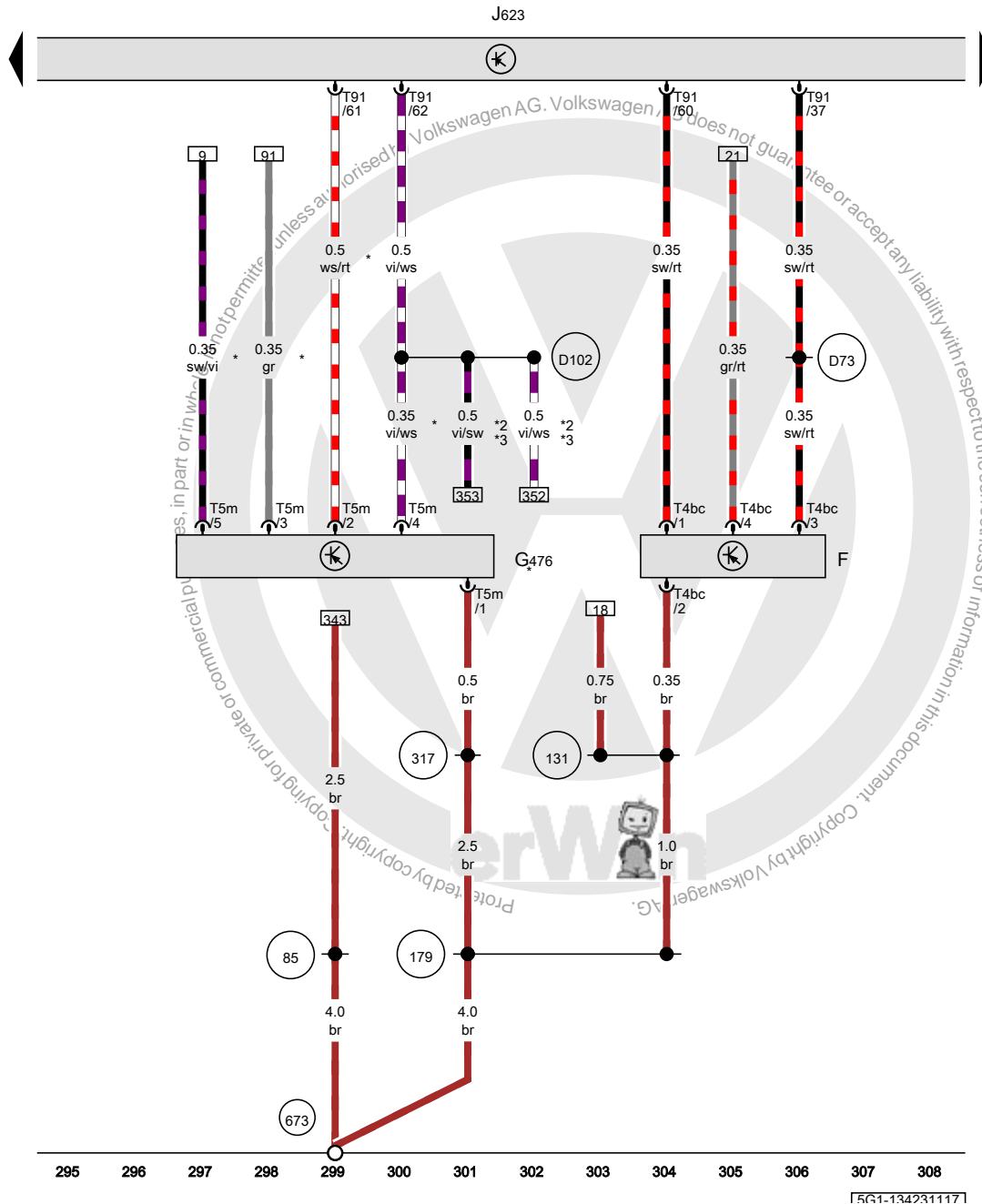
[561-134221117]

Brake light switch, Clutch position sender, Engine/motor control unit

- F Brake light switch
- G476 Clutch position sender
- J623 Engine/motor control unit
- T4bc 4-pin connector
- T5m 5-pin connector, black
- T91 91-pin connector, black

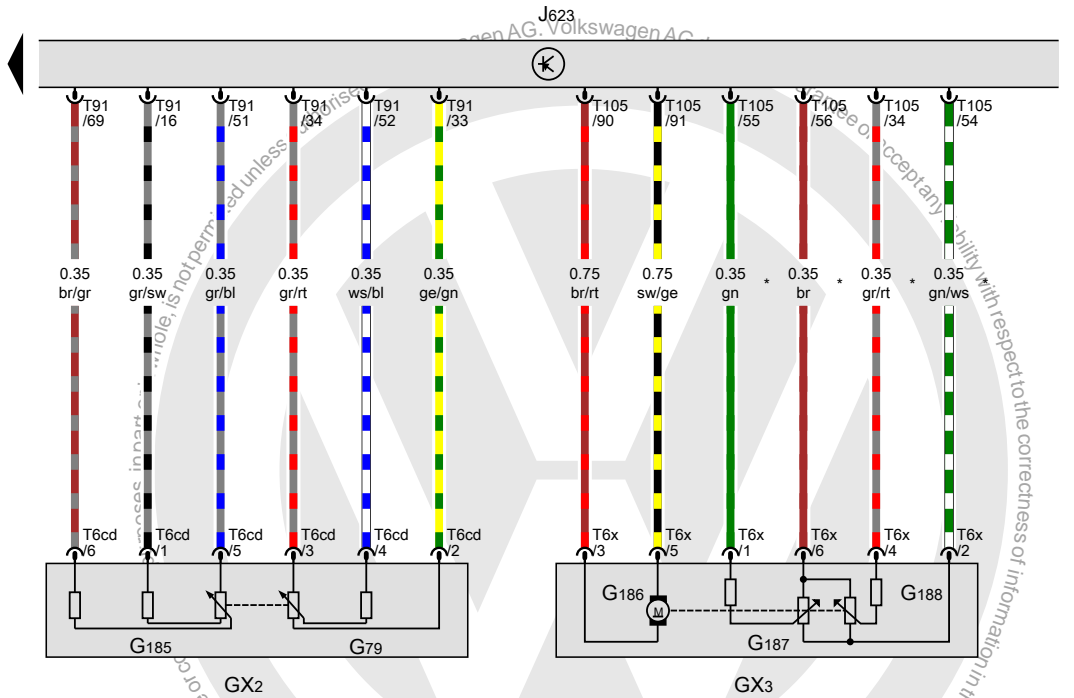
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- D73 Positive connection (54), in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- * For models with manual gearbox
- *2 For models with dual clutch gearbox
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Accelerator pedal module, Throttle valve module, Engine/
motor control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J623 Engine/motor control unit
- T6cd 6-pin connector, black
- T6x 6-pin connector
- T91 91-pin connector, black
- T105 105-pin connector, black
- * Cross section depends on equipment

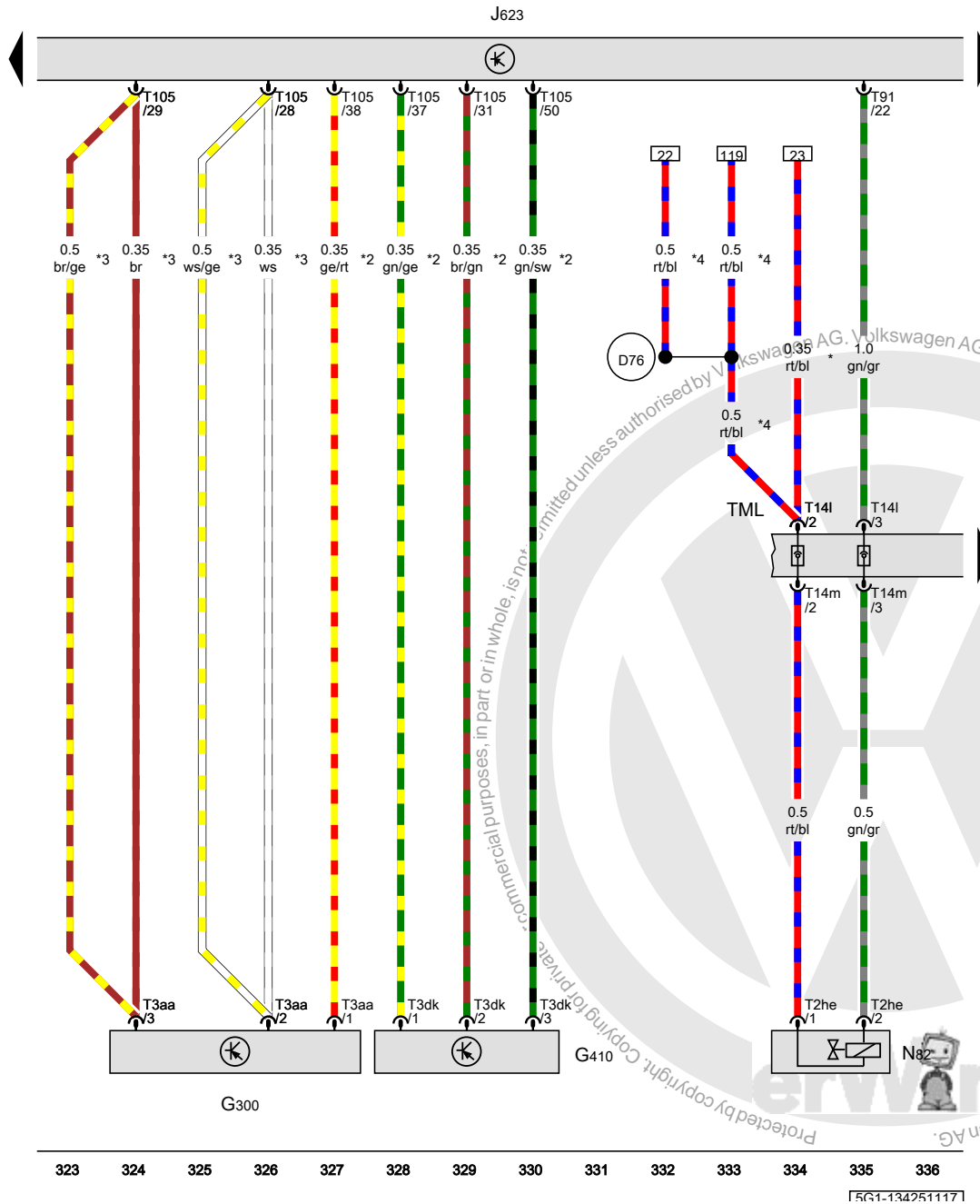


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- sw = black
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Hall sender 3, Fuel pressure sender for low pressure, Engine/motor control unit, Coolant shut-off valve

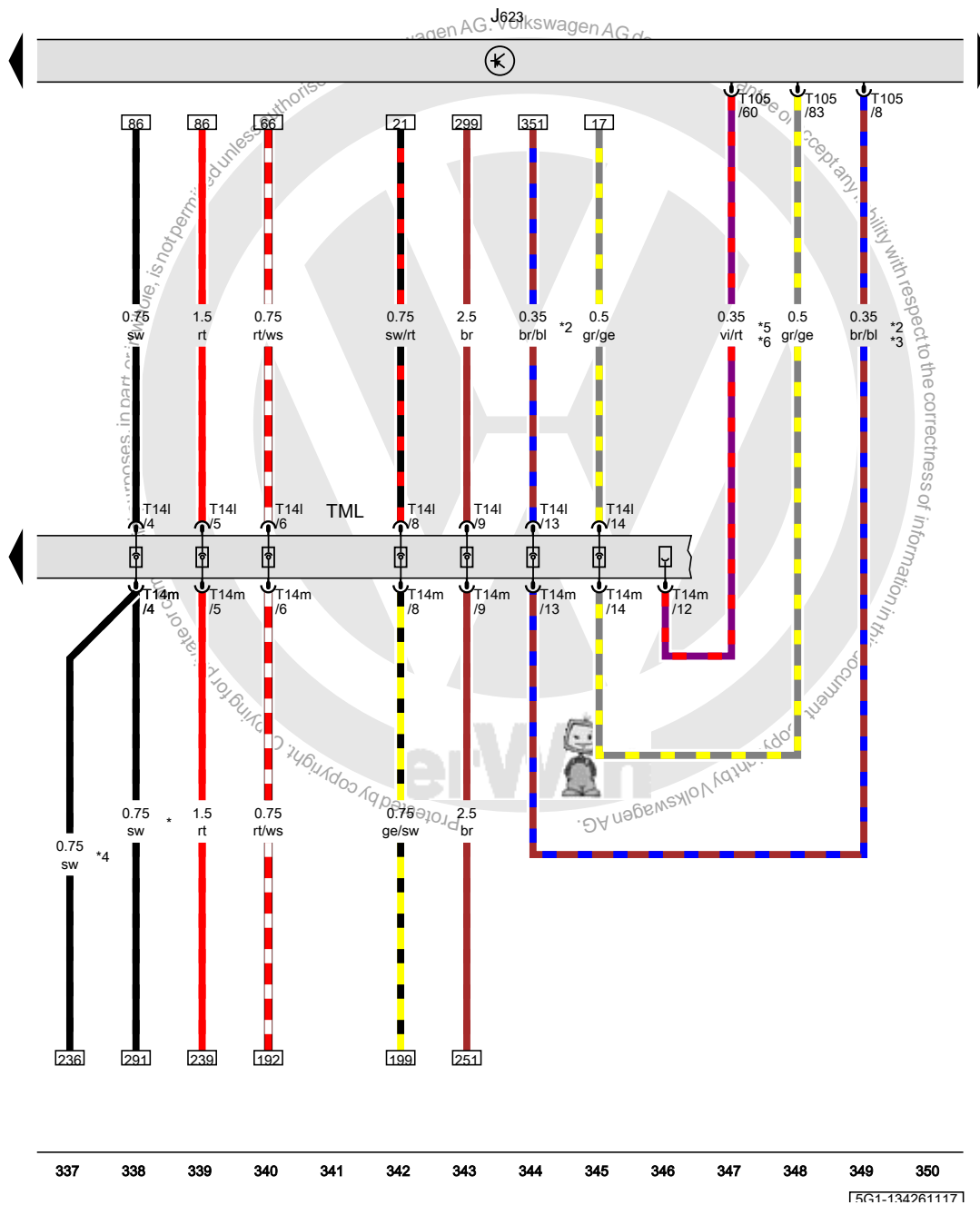
- G300 Hall sender 3
- G410 Fuel pressure sender for low pressure
- J623 Engine/motor control unit
- N82 Coolant shut-off valve
- T2he 2-pin connector, black
- T3aa 3-pin connector, black
- T3dk 3-pin connector, blue
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T91 91-pin connector, black
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- D76 Connection (circulation pump), in engine compartment wiring harness
- * For models with manual gearbox
- *2 Cross section depends on equipment
- *3 According to equipment
- *4 For models with dual clutch gearbox

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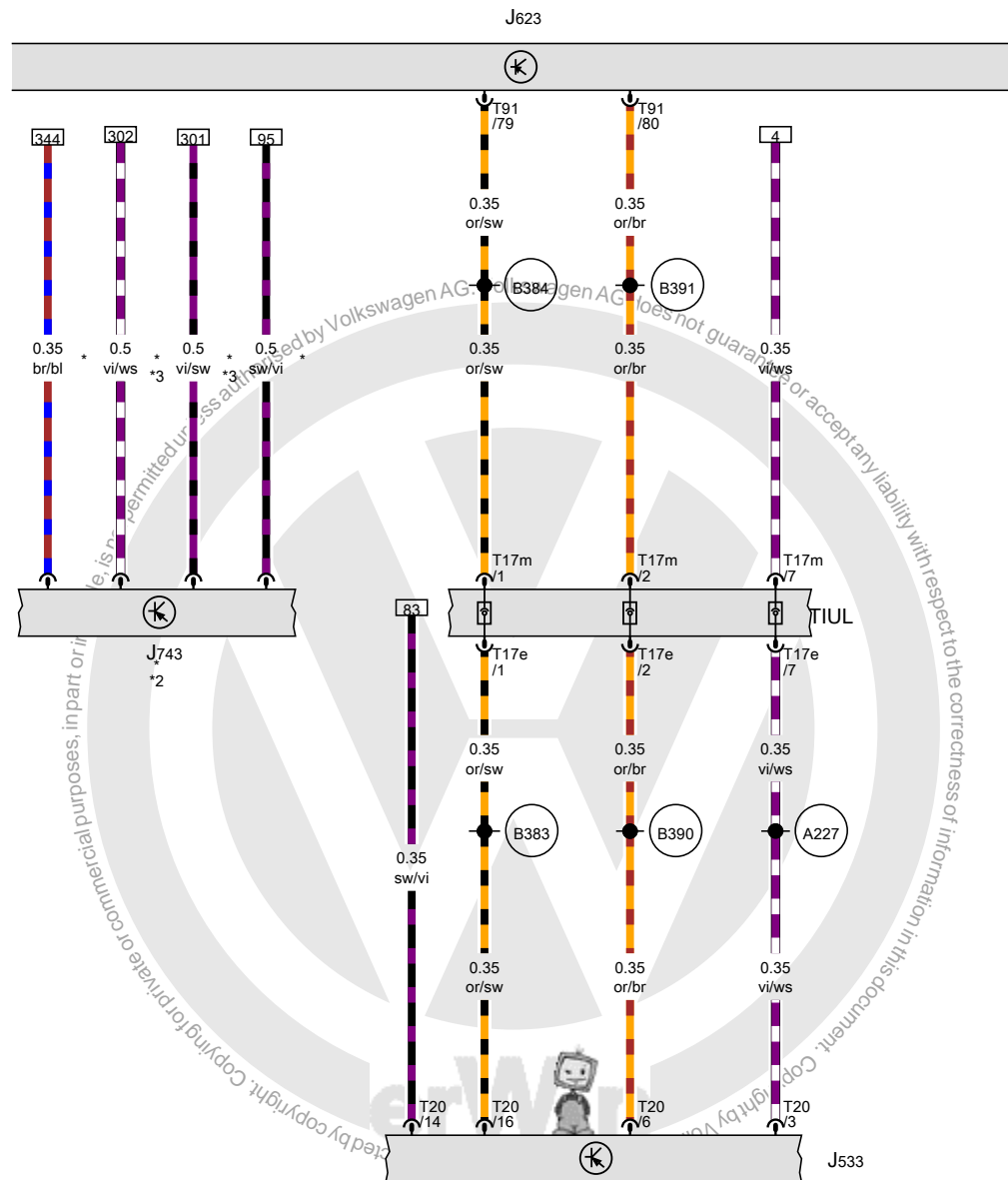
Engine/motor control unit

- J623 Engine/motor control unit
- T14l 14-pin connector, grey
- T14m 14-pin connector, grey
- T105 105-pin connector, black
- TML Coupling point in engine compartment, left
- * Not for American markets
- *2 For models with dual clutch gearbox
- *3 Cross section depends on equipment
- *4 For American markets
- *5 According to equipment
- *6 Wire with no function



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- bl = blue
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- rs = pink

Data bus diagnostic interface, Engine/motor control unit,
Mechatronic unit for dual clutch gearbox

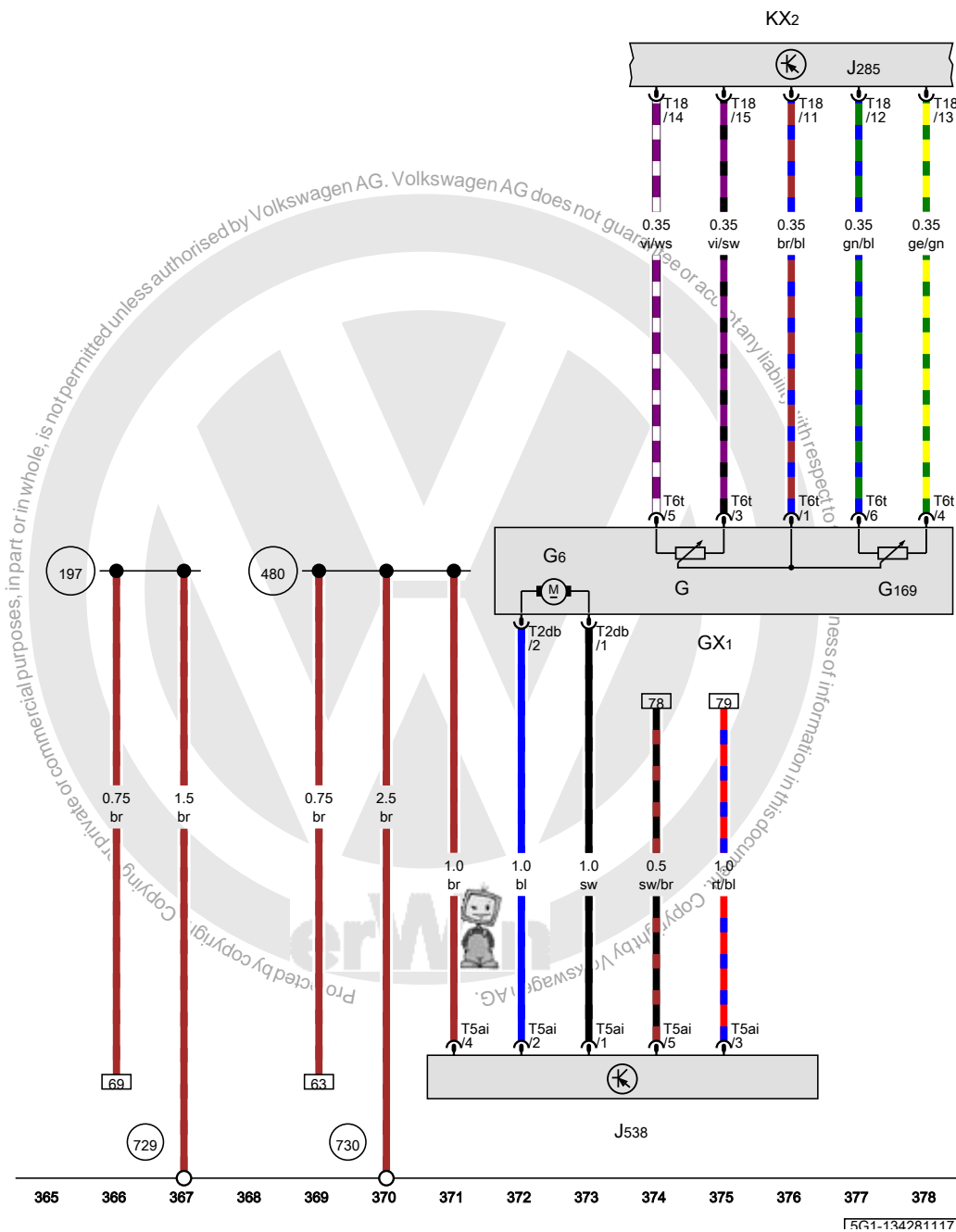


- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T91 91-pin connector, black
- TIUL Coupling point in interior, below left
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- * For models with dual clutch gearbox
- *2 see applicable current flow diagram
- *3 Wiring colour depends on equipment

Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T2db 2-pin connector
- T5ai 5-pin connector, black
- T6t 6-pin connector, black
- T18 18-pin connector, black

- 197 Earth connection 4, in rear wiring harness
- 480 Earth connection, in fuel tank wiring harness
- 729 Earth point, on left rear wheel housing
- 730 Earth point 1, on right rear wheel housing



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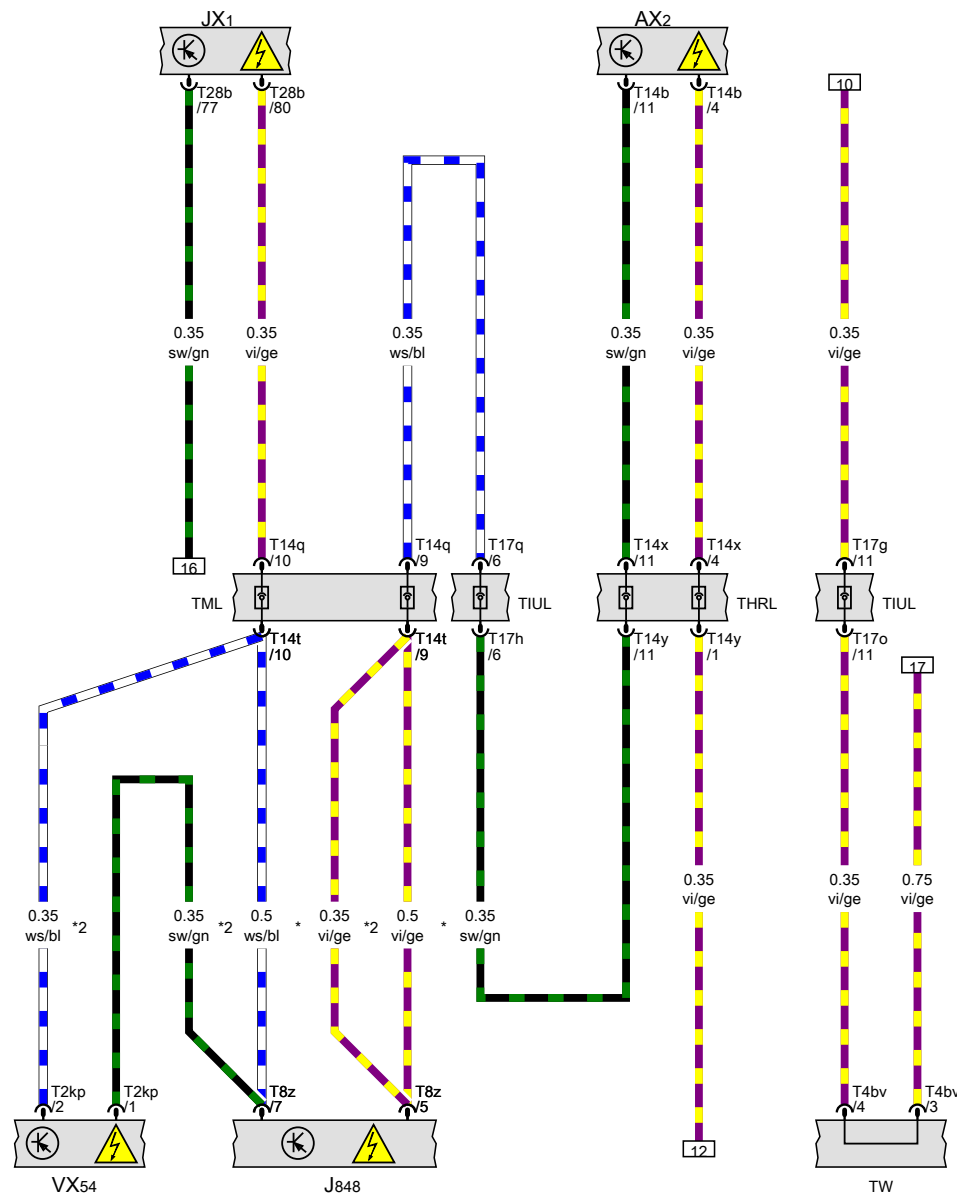
Pilot line for high-voltage system , CUKB

From July 2014



High-voltage battery 1, Power and control electronics for electric drive, High-voltage heater (PTC) control unit, Maintenance connector for high-voltage system, Three-phase current drive

- AX2 High-voltage battery 1
- JX1 Power and control electronics for electric drive
- J848 High-voltage heater (PTC) control unit
- T2kp 2-pin connector, black
- T4bv 4-pin connector, green
- T8z 8-pin connector, black
- T14b 14-pin connector, black
- T14q 14-pin connector, black
- T14t 14-pin connector, black
- T14x 14-pin connector, black
- T14y 14-pin connector, black
- T17g 17-pin connector, blue
- T17h 17-pin connector, green
- T17o 17-pin connector, blue
- T17q 17-pin connector, green
- T28b 28-pin connector, black
- THRL Coupling point in luggage compartment, left
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system
- VX54 Three-phase current drive
- * From November 2015
- *2 Up to November 2015

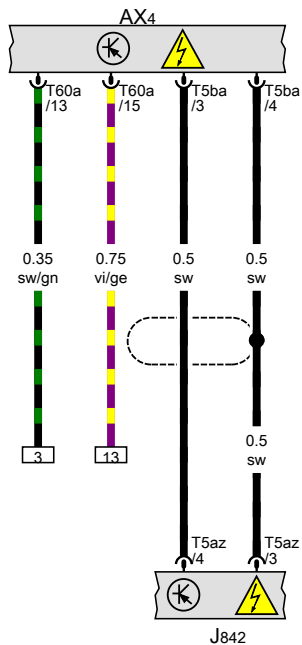


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15G1-1350206171

Charging unit 1 for high-voltage battery, Control unit for air conditioning compressor

- AX4 Charging unit 1 for high-voltage battery
- J842 Control unit for air conditioning compressor
- T5az 5-pin connector, black
- T5ba 5-pin connector, black
- T60a 60-pin connector, black



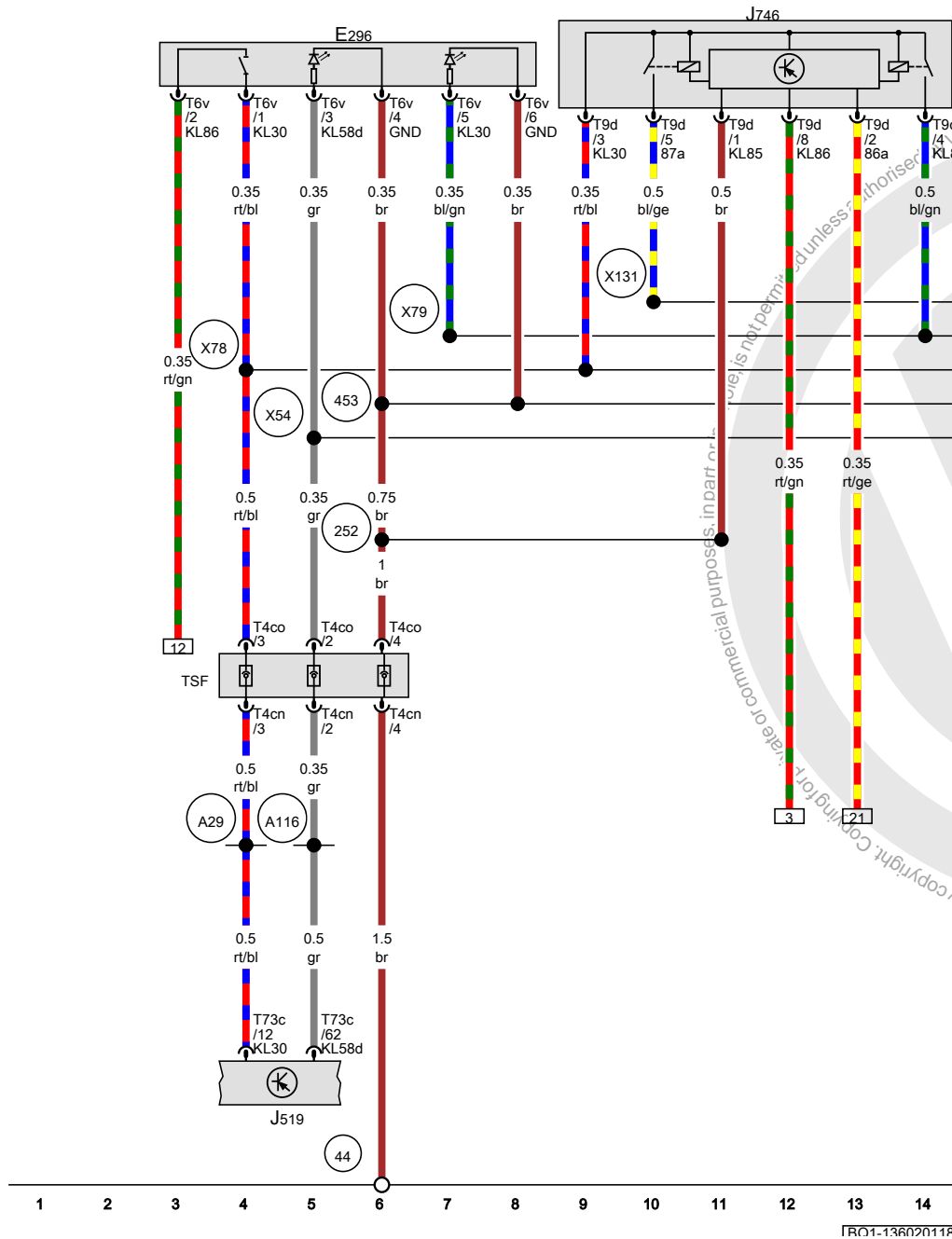
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Driving school equipment , (F5F)

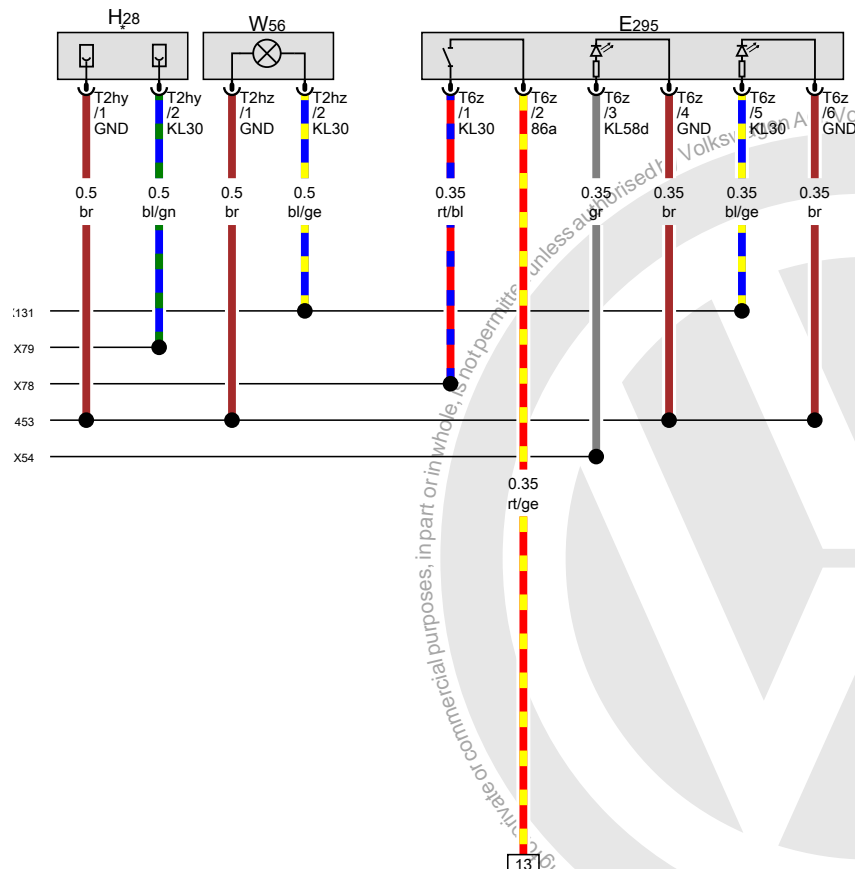
From May 2017



Warning buzzer switch, Onboard supply control unit, Driving school mode relay



- E296 Warning buzzer switch
- J519 Onboard supply control unit
- J746 Driving school mode relay
- T4cn 4-pin connector, black
- T4co 4-pin connector, black
- T6v 6-pin connector, black
- T9d 9-pin connector, grey
- T73c 73-pin connector, black
- TSF Coupling point for driver seat backrest
- 44 Earth point, lower part of left A-pillar
- 252 Earth connection, in optional equipment wiring harness
- 453 Earth connection 3, in optional equipment wiring harness
- A29 Connection (interior light), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- X54 Positive connection (58), in optional equipment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness
- X131 Connection 4, in optional equipment wiring harness



Footwell light switch, Driving school mode warning buzzer, Driving school vehicle footwell illumination

- E295 Footwell light switch
- H28 Driving school mode warning buzzer
- T2hy 2-pin connector, black
- T2hz 2-pin connector, black
- T6z 6-pin connector, black
- W56 Driving school vehicle footwell illumination

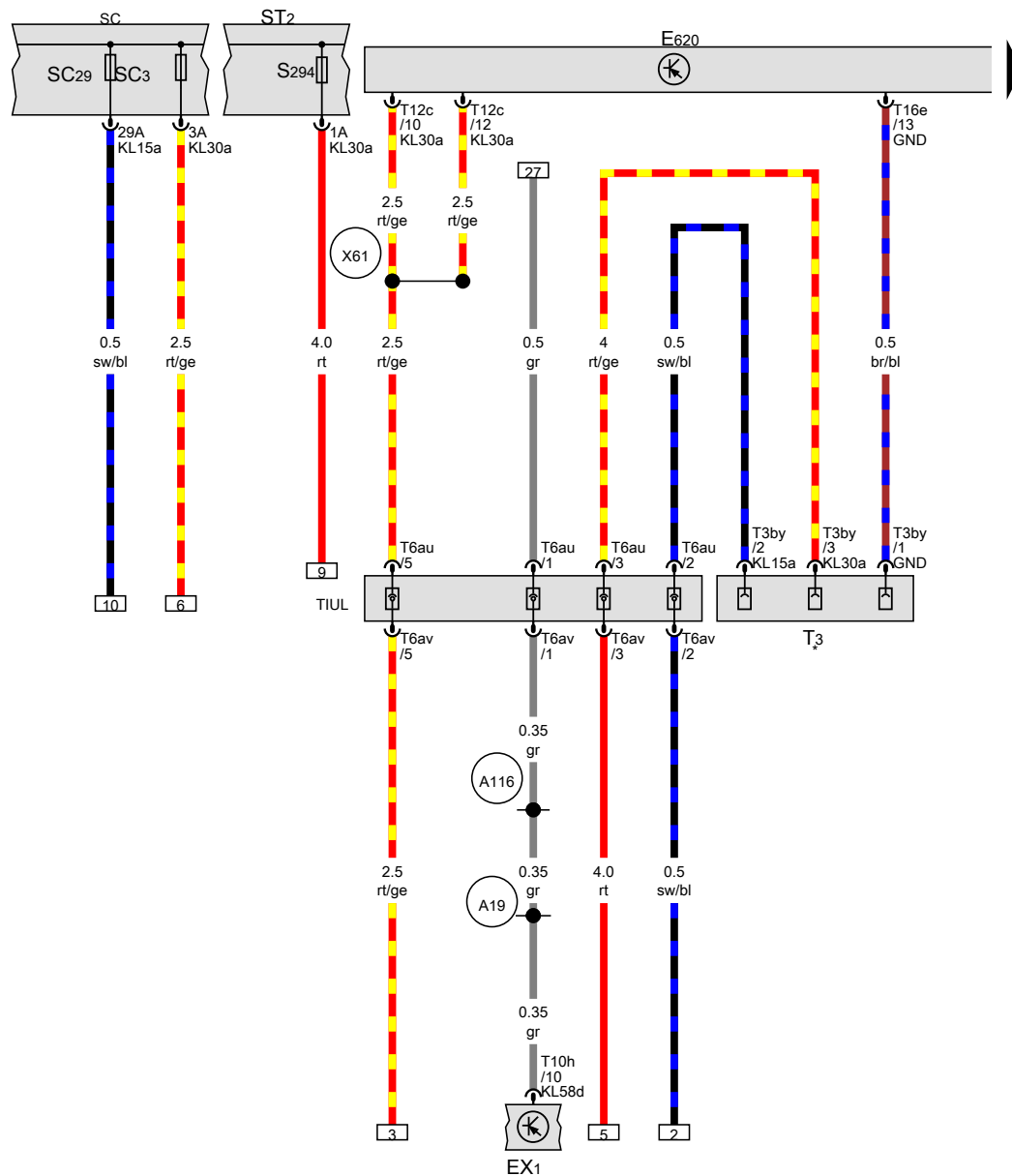
- (453) Earth connection 3, in optional equipment wiring harness
- (X54) Positive connection (58), in optional equipment wiring harness
- (X78) Connection 1, in optional equipment wiring harness
- (X79) Connection 2, in optional equipment wiring harness
- (X131) Connection 4, in optional equipment wiring harness
- * Connection for pedal switch for warning buzzer

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Driving aids for disabled persons with special vehicle control unit , (F6M)

From May 2017

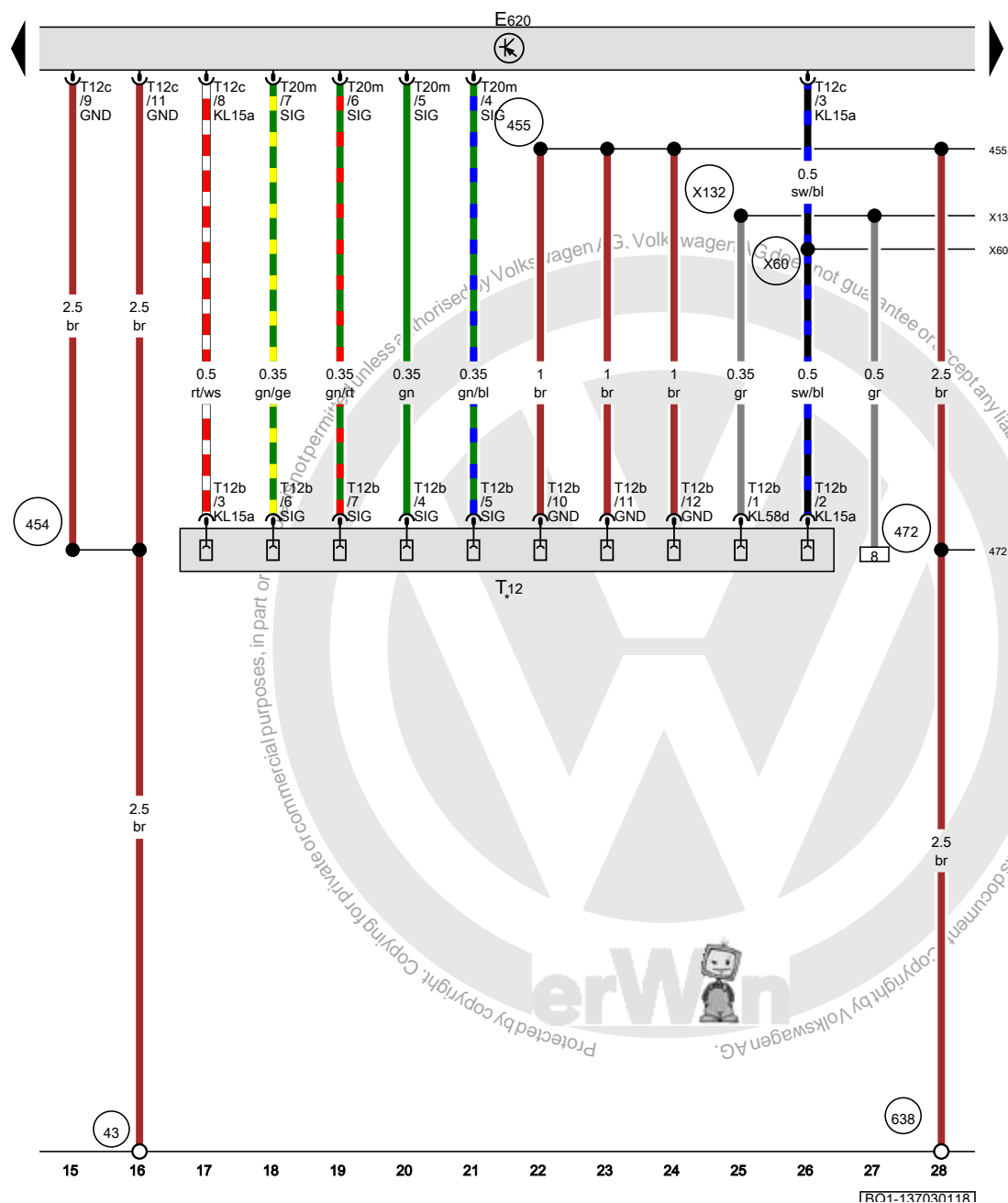




Rotary light switch, Multifunction module, Fuse carrier 2, Fuse holder C

- EX1 Rotary light switch
- E620 Multifunction module
- ST2 Fuse carrier 2
- SC3 Fuse 3 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- S294 Special vehicle fuse 4
- SC Fuse holder C
- T3 3-pin connector, black
- T3by 3-pin connector, black
- T6au 6-pin connector, black
- T6av 6-pin connector, black
- T10h 10-pin connector, black
- T12c 12-pin connector, black
- T16e 16-pin connector, black
- TIUL Coupling point in interior, below left
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- X61 Positive connection (30), in optional equipment wiring harness
- * Connection for wheelchair lift

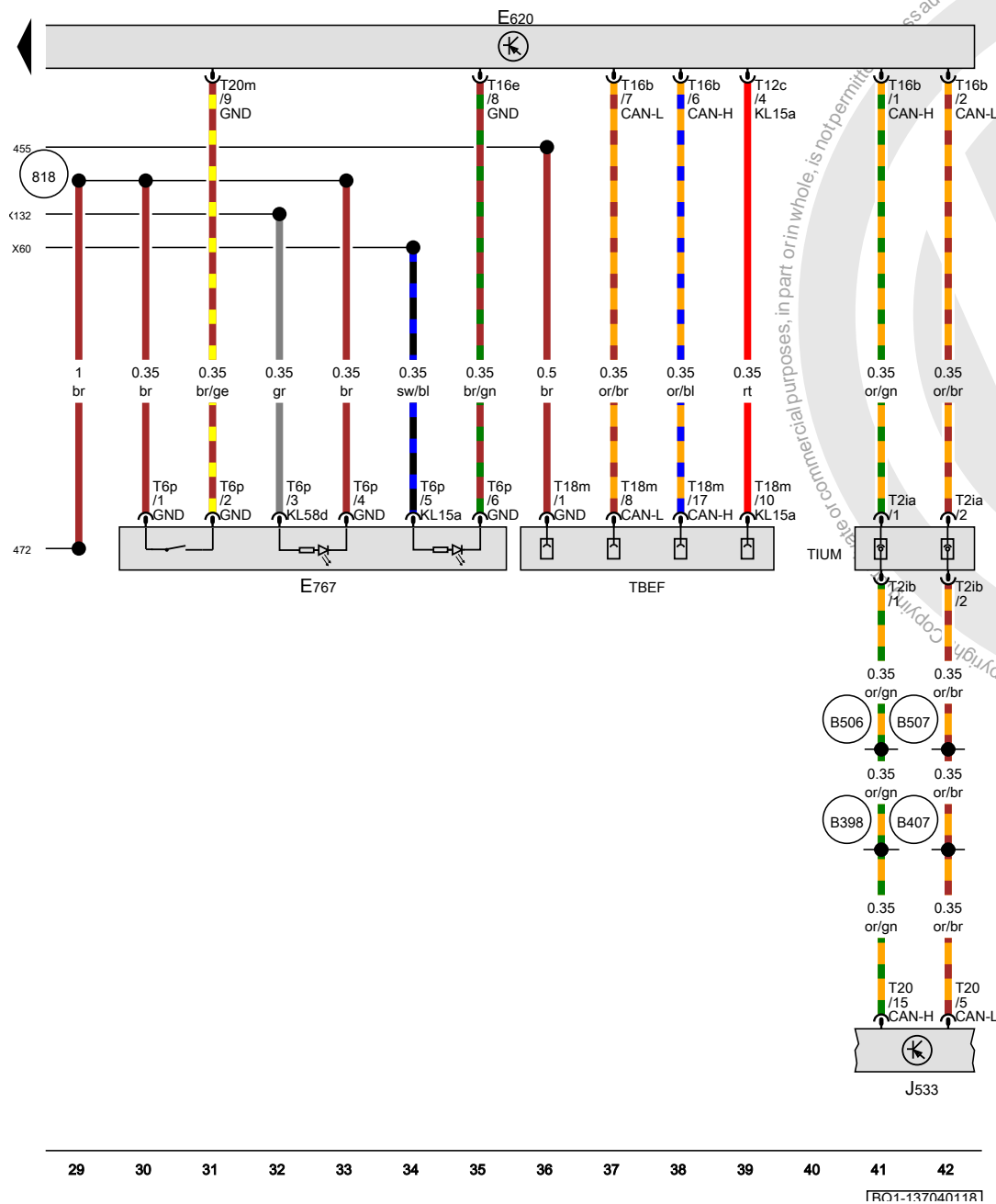
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Multifunction module

E620 Multifunction module
 T12 12-pin connector, black
 T12b 12-pin connector, black
 T12c 12-pin connector, black
 T20m 20-pin connector, red

- 43 Earth point, lower part of right A-pillar
- 454 Earth connection 4, in optional equipment wiring harness
- 455 Earth connection 5, in optional equipment wiring harness
- 472 Earth connection 6, in optional equipment wiring harness
- 638 Earth point, on right A-pillar
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- X132 Connection 5, in optional equipment wiring harness
- * Connection for rotary light switch and window regulator



Multifunction module, Button for driving aids for disabled persons

- E620 Multifunction module
- E767 Button for driving aids for disabled persons
- J533 Data bus diagnostic interface
- T2ia 2-pin connector, black
- T2ib 2-pin connector, black
- T6p 6-pin connector, black
- T12c 12-pin connector, black
- T16b 16-pin connector, brown
- T16e 16-pin connector, black
- T18m 18-pin connector, black
- T20 20-pin connector, black
- T20m 20-pin connector, red
- TBEF Coupling point for operating unit for driving aids for disabled persons
- TIUM Coupling point in interior, below centre, near centre console
- 455 Earth connection 5, in optional equipment wiring harness
- 472 Earth connection 6, in optional equipment wiring harness
- 818 Earth connection 8, in optional equipment wiring harness
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- X132 Connection 5, in optional equipment wiring harness

Special equipment, criminal investigation department, 2-way radio, special signal system, accident data memory , (F6E), (F6K)

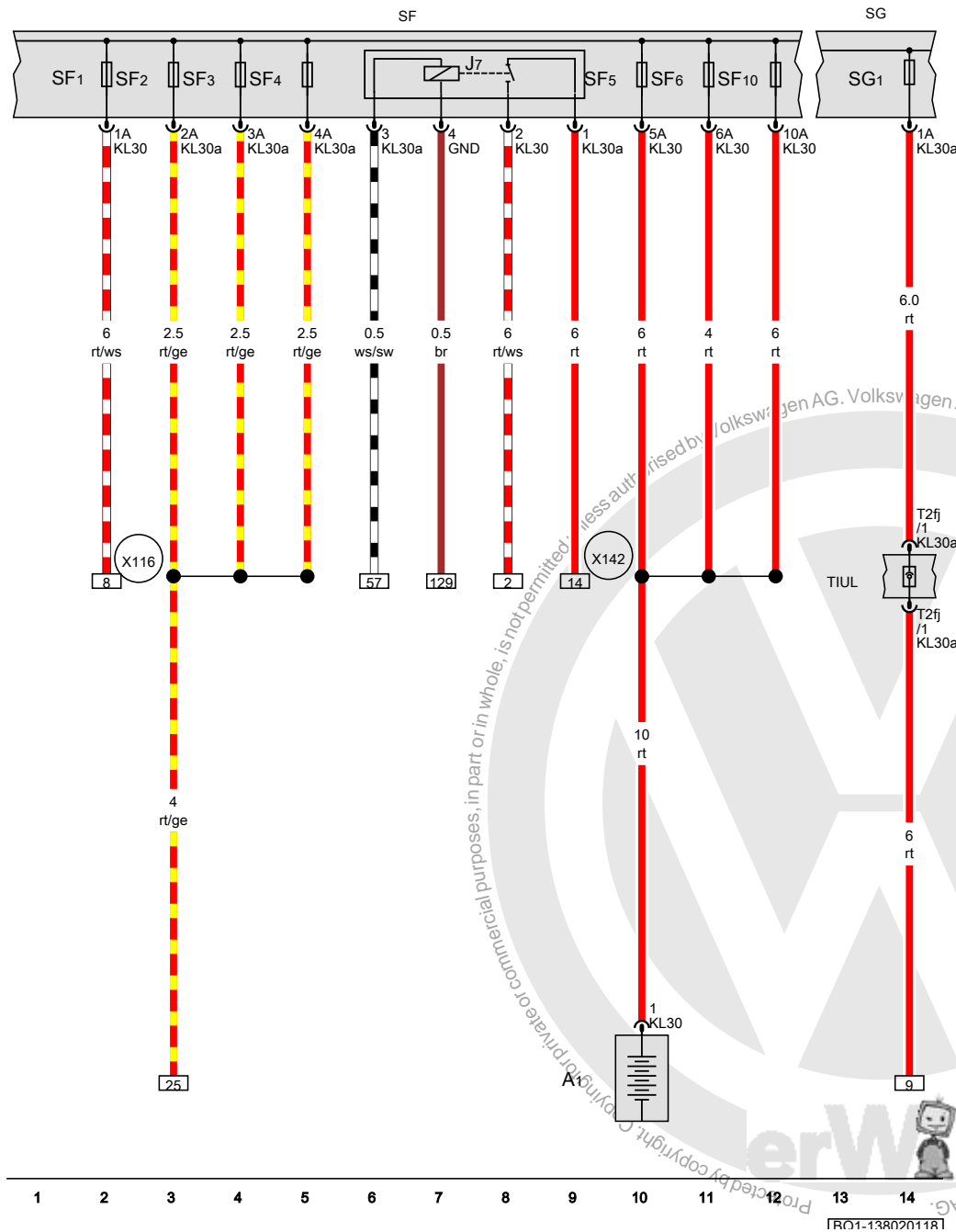
From May 2017

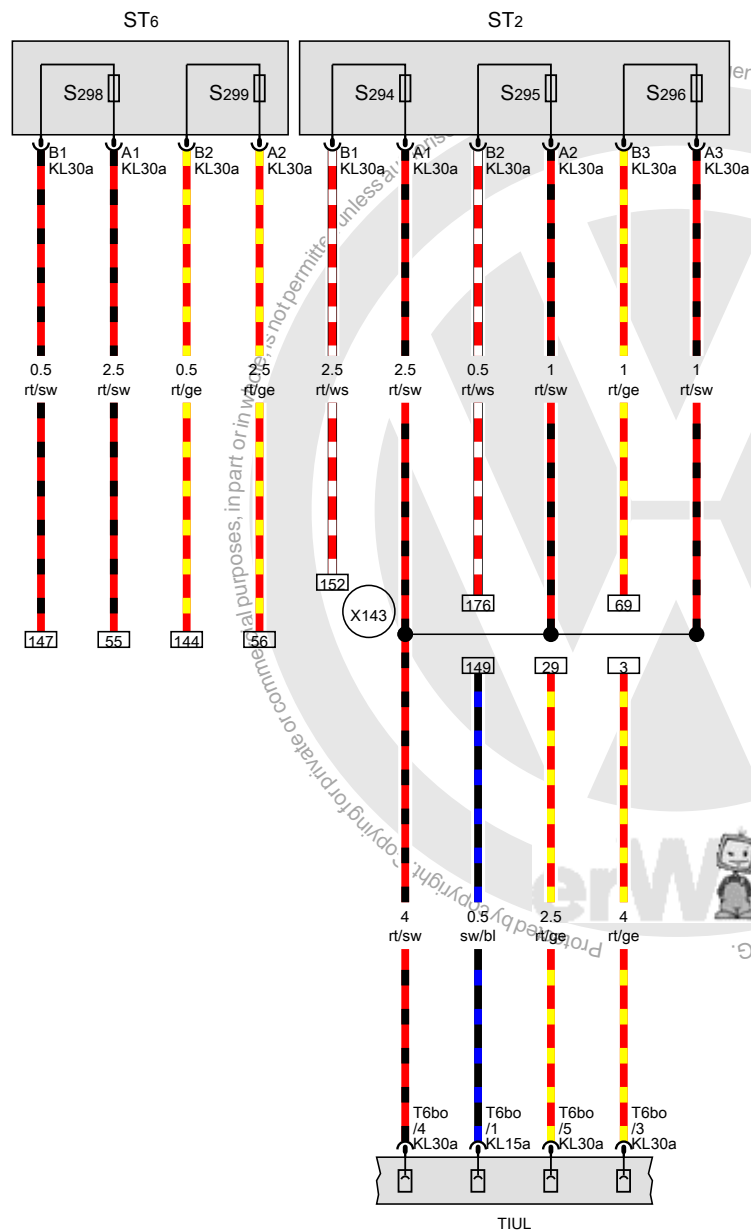


Second battery, Battery isolation relay, Fuse holder F, Fuse 1 in fuse holder F, Fuse holder G

- A1 Second battery
- J7 Battery isolation relay
- SF Fuse holder F
- SF1 Fuse 1 in fuse holder F
- SG Fuse holder G
- SG1 Fuse 1 on fuse holder G
- SF2 Fuse 2 in fuse holder F
- SF3 Fuse 3 in fuse holder F
- SF4 Fuse 4 in fuse holder F
- SF5 Fuse 5 in fuse holder F
- SF6 Fuse 6 in fuse holder F
- SF10 Fuse 10 in fuse holder F
- T2fj 2-pin connector, black
- TIUL Coupling point in interior, below left

- X116 Positive connection 2 (30), in optional equipment wiring harness
- X142 Positive connection 3 (30), in optional equipment wiring harness

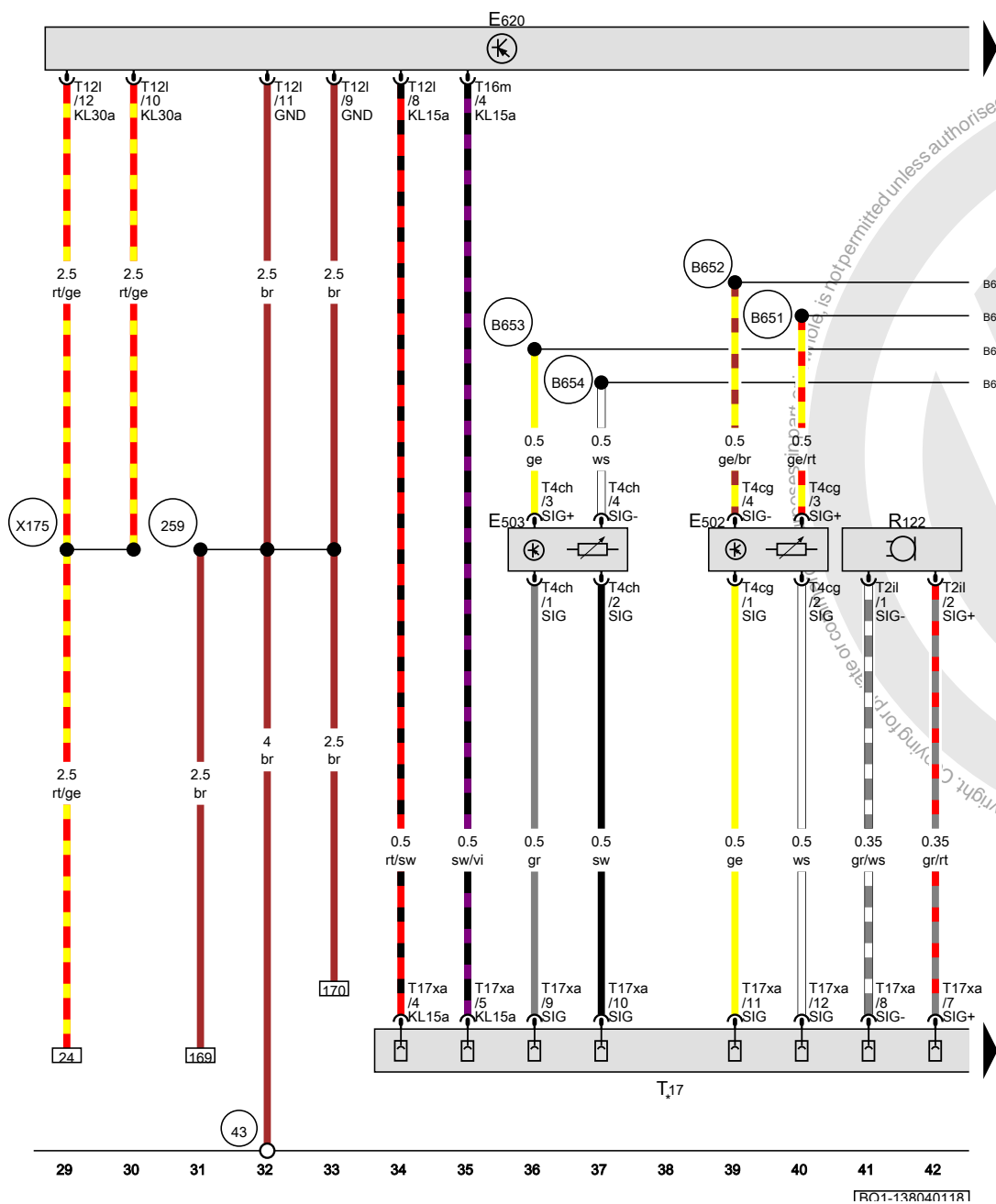




Fuse carrier 2, Fuse carrier 6

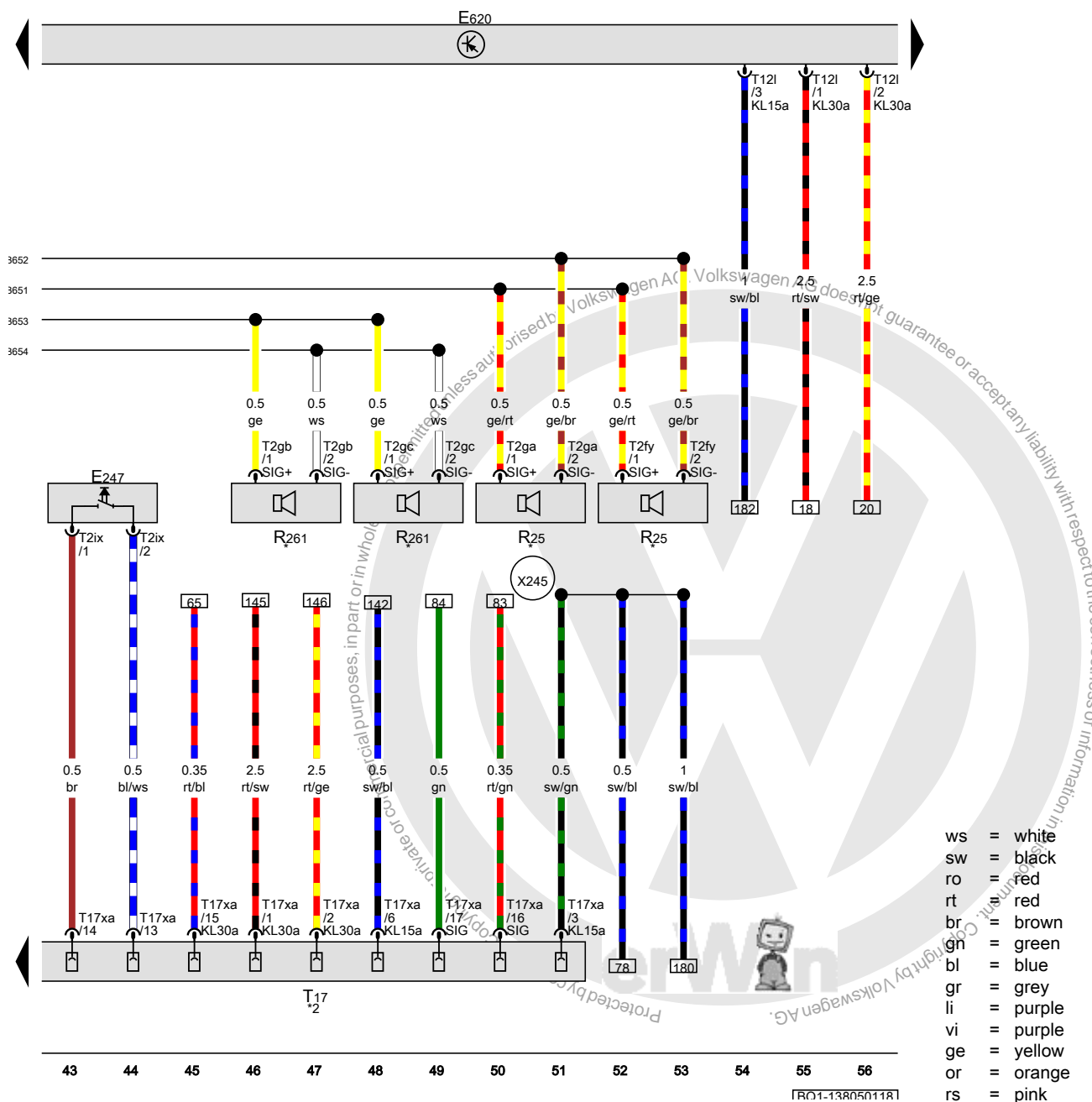
- ST2 Fuse carrier 2
- ST6 Fuse carrier 6
- S294 Special vehicle fuse 4
- S295 Special vehicle fuse 5
- S296 Special vehicle fuse 6
- S298 Special vehicle fuse 8
- S299 Special vehicle fuse 9
- T6bo 6-pin connector, black
- TIUL Coupling point in interior, below left
- X143 Positive connection 4 (30), in optional equipment wiring harness

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 gr = grey
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2-way radio loudspeaker volume control 1, 2-way radio loudspeaker volume control 2, Multifunction module, 2-way radio unit microphone, 17-pin connector

- E502 2-way radio loudspeaker volume control 1
- E503 2-way radio loudspeaker volume control 2
- E620 Multifunction module
- R122 2-way radio unit microphone
- T17 17-pin connector, black
- T2il 2-pin connector, black
- T4cg 4-pin connector, black
- T4ch 4-pin connector, black
- T12l 12-pin connector, black
- T16m 16-pin connector, black
- T17xa 17-pin connector, black
- 43 Earth point, lower part of right A-pillar
- 259 Earth connection 2, in optional equipment wiring harness
- B651 Connection 1 (loudspeaker), in main wiring harness
- B652 Connection 2 (loudspeaker), in main wiring harness
- B653 Connection 3 (loudspeaker), in main wiring harness
- B654 Connection 4 (loudspeaker), in main wiring harness
- X175 Positive connection (30a), in optional equipment wiring harness
- Connection for 2-way radio



Switch to trip alarm, Multifunction module, Two-way radio loudspeaker, Two-way radio loudspeaker 2, 17-pin connector

- E247 Switch to trip alarm
- E620 Multifunction module
- R25 Two-way radio loudspeaker, on roof module
- R261 Two-way radio loudspeaker 2, in front centre console
- T2fy 2-pin connector, black
- T2gb 2-pin connector, black
- T2gc 2-pin connector, black
- T2ix 2-pin connector, black
- T12l 12-pin connector, black
- T17 17-pin connector, black
- T2ga 2-pin connector, black
- T17xa 17-pin connector, black

B651 Connection 1 (loudspeaker), in main wiring harness

B652 Connection 2 (loudspeaker), in main wiring harness

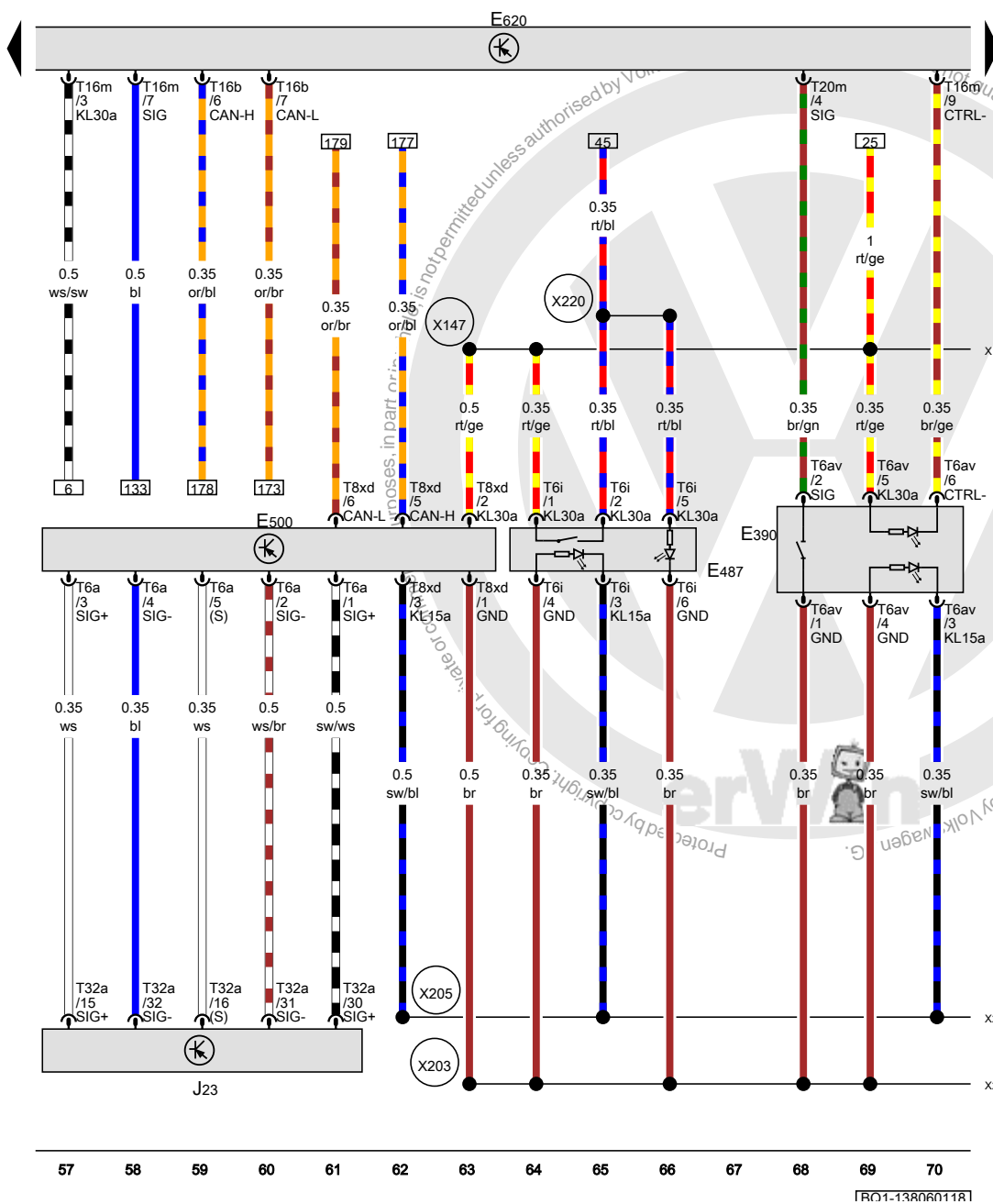
B653 Connection 3 (loudspeaker), in main wiring harness

B654 Connection 4 (loudspeaker), in main wiring harness

X245 Connection 1 in special vehicle wiring harness

* According to equipment

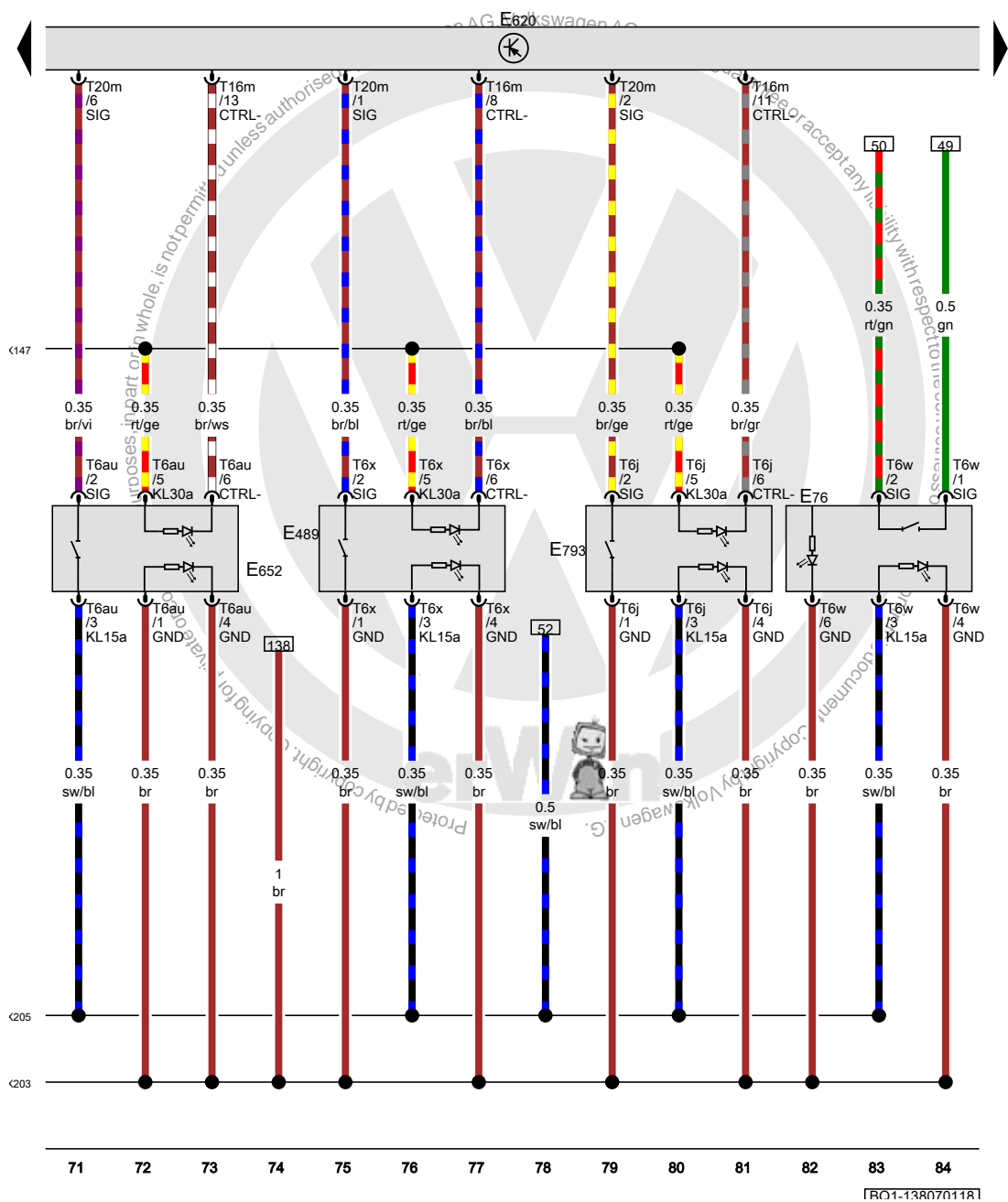
*2 Connection for 2-way radio



Interior lighting central switch button, Hands-free system button, Alarm rotary and pull switch, Multifunction module, Rotating light and siren system control unit

- E390 Interior lighting central switch button
- E487 Hands-free system button
- E500 Alarm rotary and pull switch
- E620 Multifunction module
- J23 Rotating light and siren system control unit
- T6a 6-pin connector, blue
- T6av 6-pin connector, black
- T6i 6-pin connector, black
- T8xd 8-pin connector, black
- T16b 16-pin connector, brown
- T16m 16-pin connector, black
- T20m 20-pin connector, red
- T32a 32-pin connector, colourless
- X147 Positive connection 6 (30), in optional equipment wiring harness
- X203 Connection 10, in optional equipment wiring harness
- X205 Connection 1 (15a), in special vehicle wiring harness
- X220 Positive connection 1 (30a) in special vehicle wiring harness

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 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

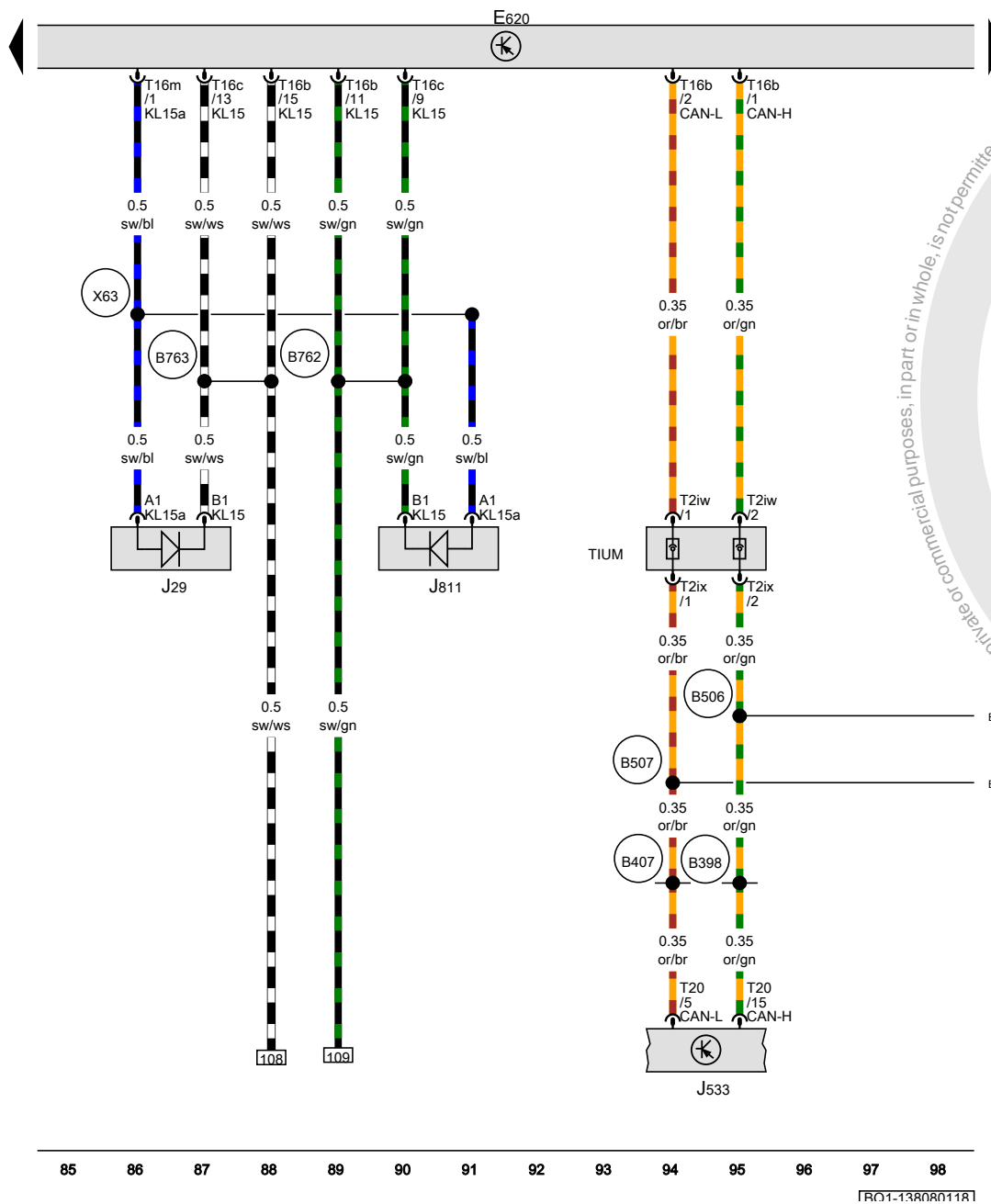


Two-way radio button, Ignition bypass button, Multifunction module, Button for daytime running light switch-off, Main switch for 2-way radio

- E76 Two-way radio button
- E489 Ignition bypass button
- E620 Multifunction module
- E652 Button for daytime running light switch-off
- E793 Main switch for 2-way radio
- T6au 6-pin connector, black
- T6j 6-pin connector, black
- T6w 6-pin connector, black
- T6x 6-pin connector, black
- T16m 16-pin connector, black
- T20m 20-pin connector, red
- X147 Positive connection 6 (30), in optional equipment wiring harness
- X203 Connection 10, in optional equipment wiring harness
- X205 Connection 1 (15a), in special vehicle wiring harness

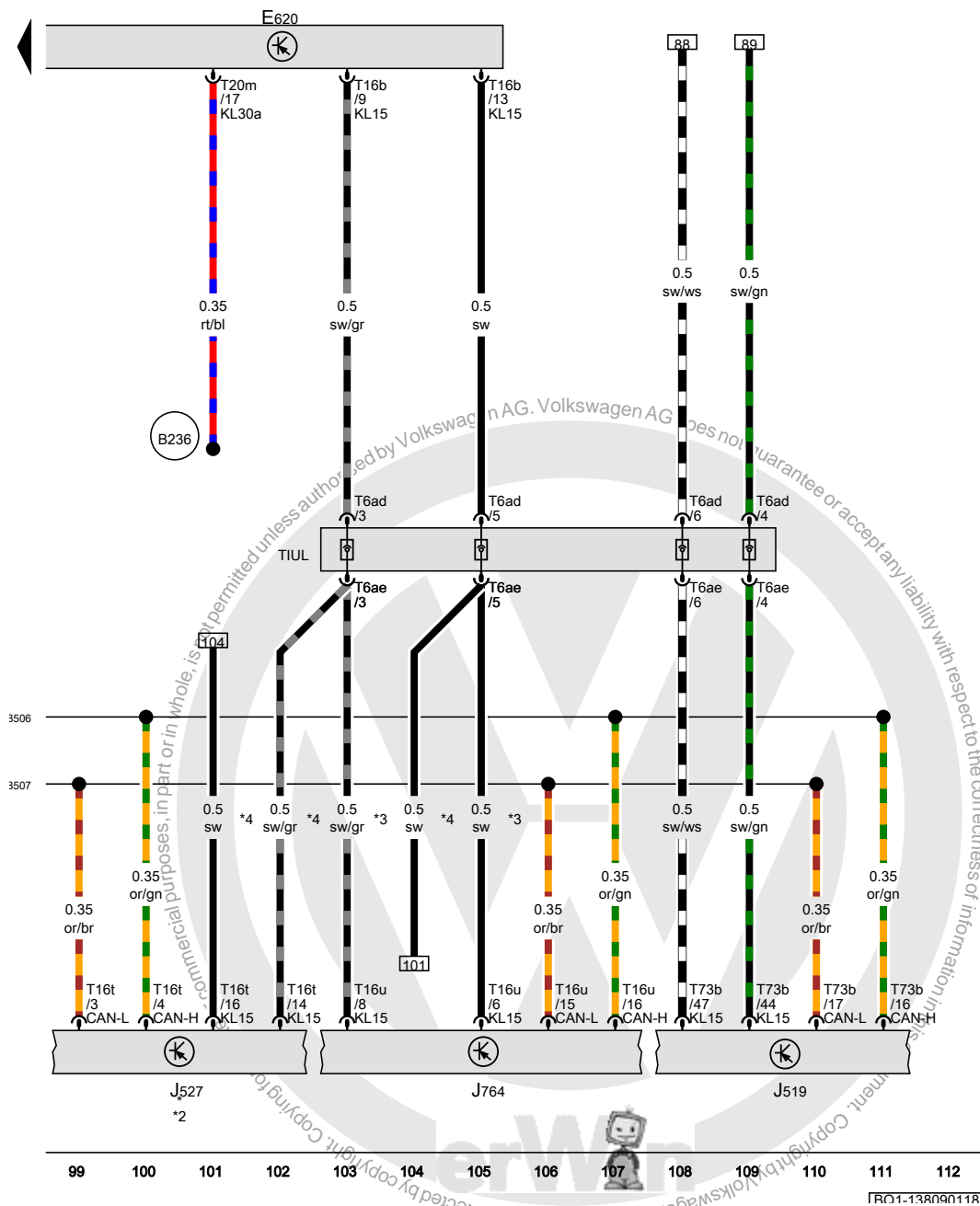
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Multifunction module, Blocking diode, Data bus diagnostic interface, Blocking diode 2



- E620 Multifunction module
- J29 Blocking diode
- J533 Data bus diagnostic interface
- J811 Blocking diode 2
- T2iw 2-pin connector, black
- T2ix 2-pin connector, black
- T16b 16-pin connector, brown
- T16c 16-pin connector, brown
- T16m 16-pin connector, black
- T20 20-pin connector, red
- TIUM Coupling point in interior, below centre
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B762 Connection 1 (blocking diode), in interior wiring harness
- B763 Connection 2 (blocking diode), in interior wiring harness
- X63 Positive connection 1 (15a), in optional equipment wiring harness

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Multifunction module, Onboard supply control unit, Steering column electronics control unit, Control unit for electronic steering column lock

- E620 Multifunction module
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J764 Control unit for electronic steering column lock
- T6ad 6-pin connector, black
- T6ae 6-pin connector, black
- T16b 16-pin connector, brown
- T16t 16-pin connector, black
- T16u 16-pin connector, black
- T20m 20-pin connector, red
- T73b 73-pin connector, black
- TIUL Coupling point in interior, below left

B236 Positive connection 6 (30a), in interior wiring harness

B506 Connection (convenience CAN bus, high), in interior wiring harness

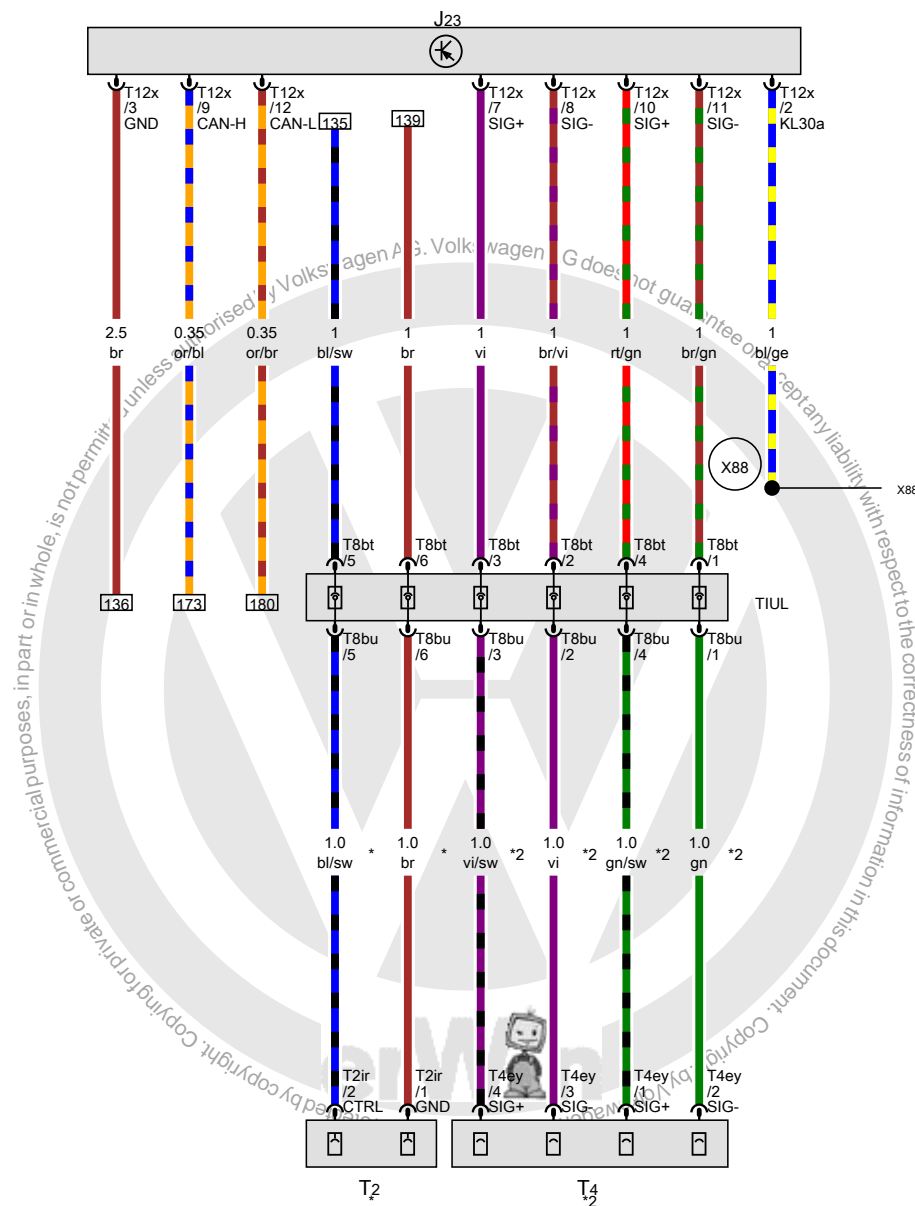
B507 Connection (convenience CAN bus, low), in interior wiring harness

- * see applicable current flow diagram
- *2 For models with no heated steering wheel
- *3 For models with entry and start authorisation
- *4 For models with no entry and start authorisation

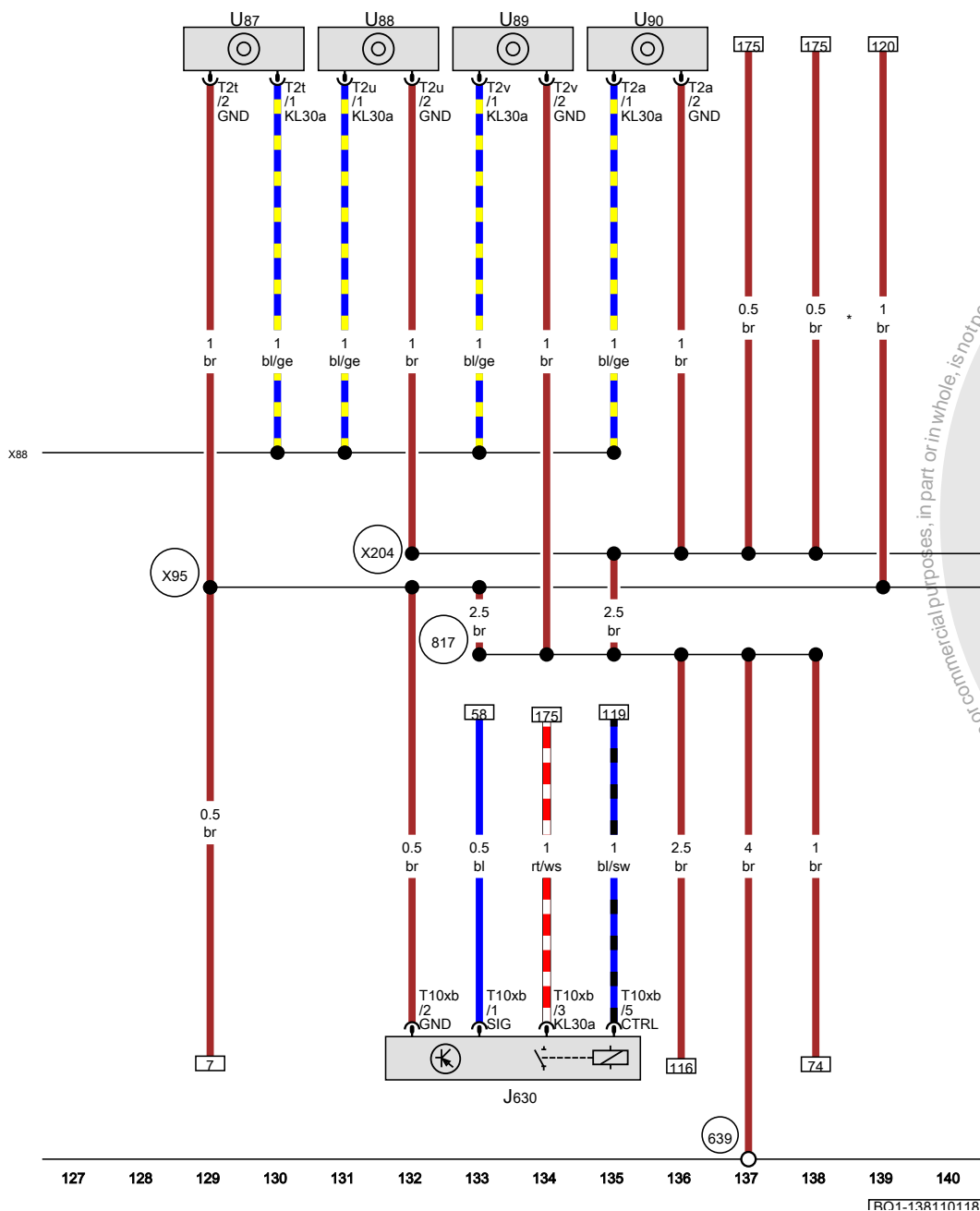
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Rotating light and siren system control unit

- J23 Rotating light and siren system control unit
 T2 2-pin connector, black
 T2ir 2-pin connector, black
 T4 4-pin connector, black
 T4ey 4-pin connector, black
 T8bt 8-pin connector, black
 T8bu 8-pin connector, black
 T12x 12-pin connector, green
 TIUL Coupling point in interior, below left
 X88 Positive connection (30a, blue flashing light), in optional equipment wiring harness
 * Connection for front flashing light
 *2 Connection for pressure chamber loudspeaker



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 bl = blue
 gr = grey
 li = purple
 vi = purple
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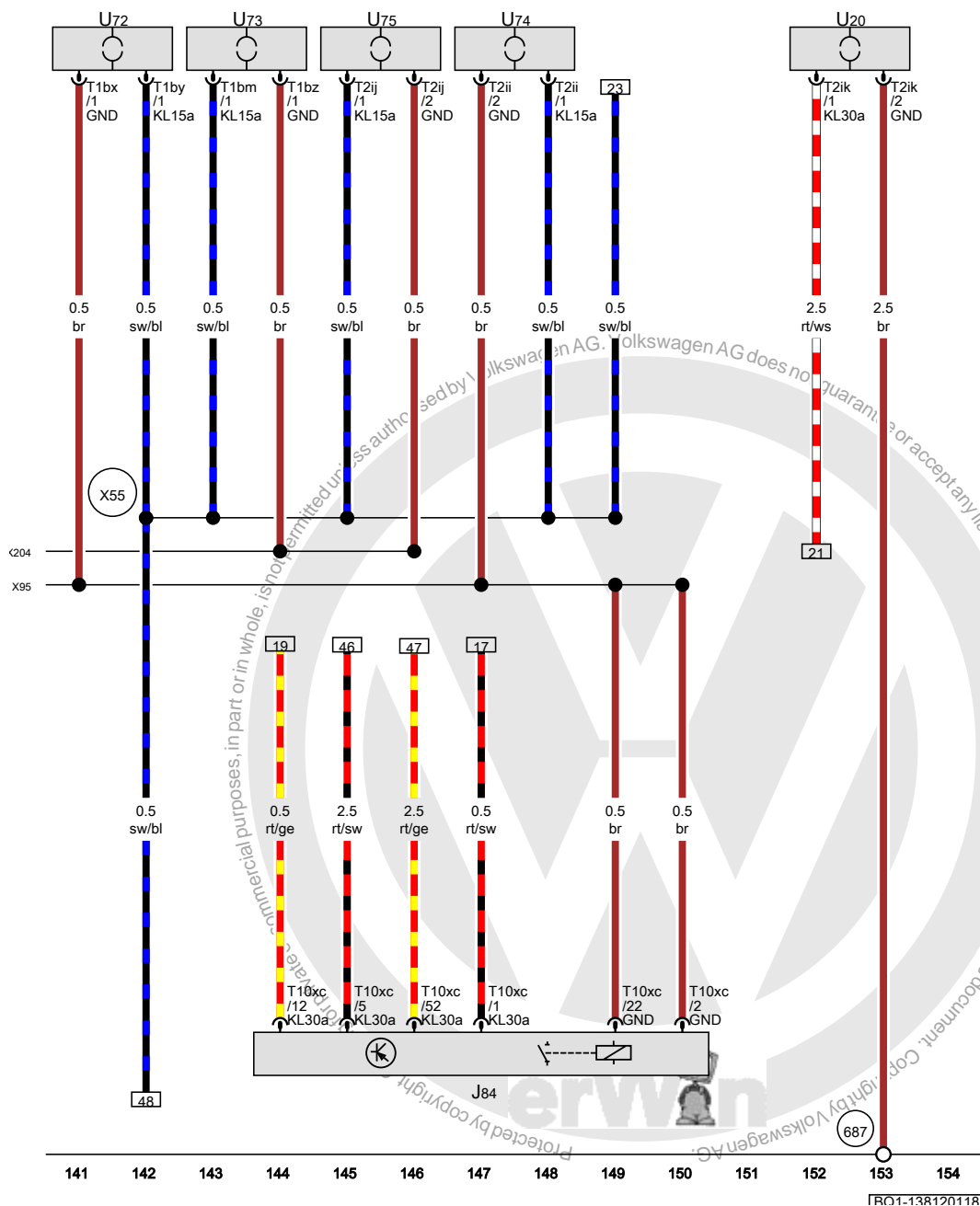


Flashing lights relay, Socket for blue flashing light, Socket 2 for blue flashing light, Socket 3 for blue flashing light, Socket 4 for blue flashing light

- J630 Flashing lights relay, in spare wheel well
- T2a 2-pin connector, black
- T2b 2-pin connector, black
- T2u 2-pin connector, black
- T2v 2-pin connector, black
- T10xb 10-pin connector, black
- U87 Socket for blue flashing light, on lower section of left A-pillar
- U88 Socket 2 for blue flashing light, on lower section of right A-pillar
- U89 Socket 3 for blue flashing light, lower part of B-pillar, driver side
- U90 Socket 4 for blue flashing light, lower part of B-pillar, front passenger side

- 639 Earth point, left A-pillar
- 817 Earth connection 7, in optional equipment wiring harness
- X88 Positive connection (30a, blue flashing light), in optional equipment wiring harness
- X95 Connection 1 (siren), in optional equipment wiring harness
- X204 Connection 11, in optional equipment wiring harness
- * For models with accident data recorder

ws = white
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ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

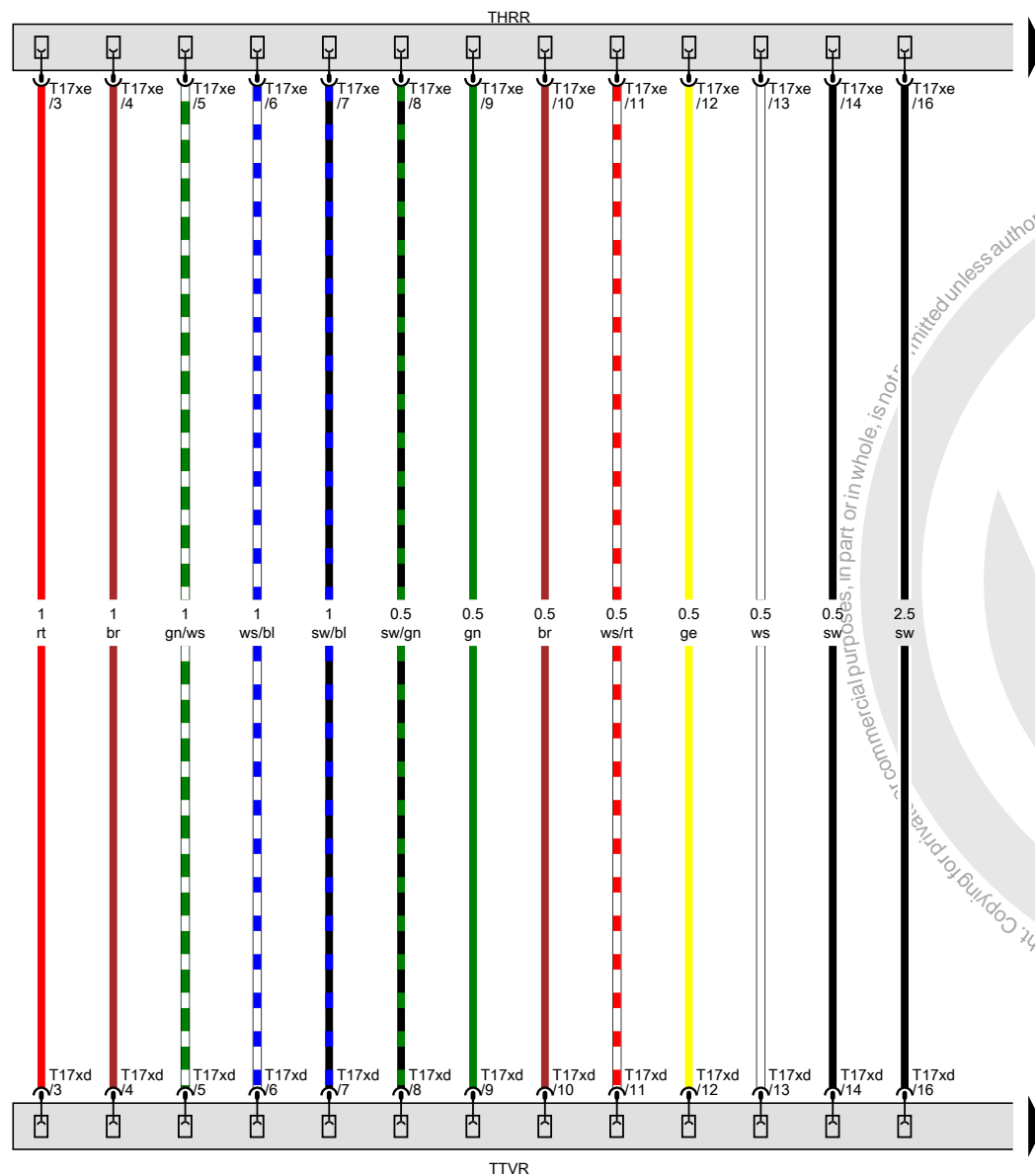


Two-way radio voltage relay, 12 V socket 4, Charging station 1, Charging station 2, Charging station 3, Charging station 4

- J84 Two-way radio voltage relay, in spare wheel well
- T1bm 1-pin connector, Terminal
- T1bx 1-pin connector, Terminal
- T1by 1-pin connector, Terminal
- T1bz 1-pin connector, Terminal
- T2ii 2-pin connector, black
- T2ij 2-pin connector, black
- T2ik 2-pin connector, colourless
- T10xc 10-pin connector, black
- U20 12 V socket 4
- U72 Charging station 1, in left door
- U73 Charging station 2, in right door
- U74 Charging station 3, in luggage compartment
- U75 Charging station 4, in glove compartment
- 687 Earth point 1, on centre tunnel
- X55 Positive connection (15), in optional equipment wiring harness
- X95 Connection 1 (siren), in optional equipment wiring harness
- X204 Connection 11, in optional equipment wiring harness

Coupling point in luggage compartment, right, Coupling point for front right door

T17xd 17-pin connector, black
T17xe 17-pin connector, black
THRR Coupling point in luggage compartment, right
TTVR Coupling point for front right door



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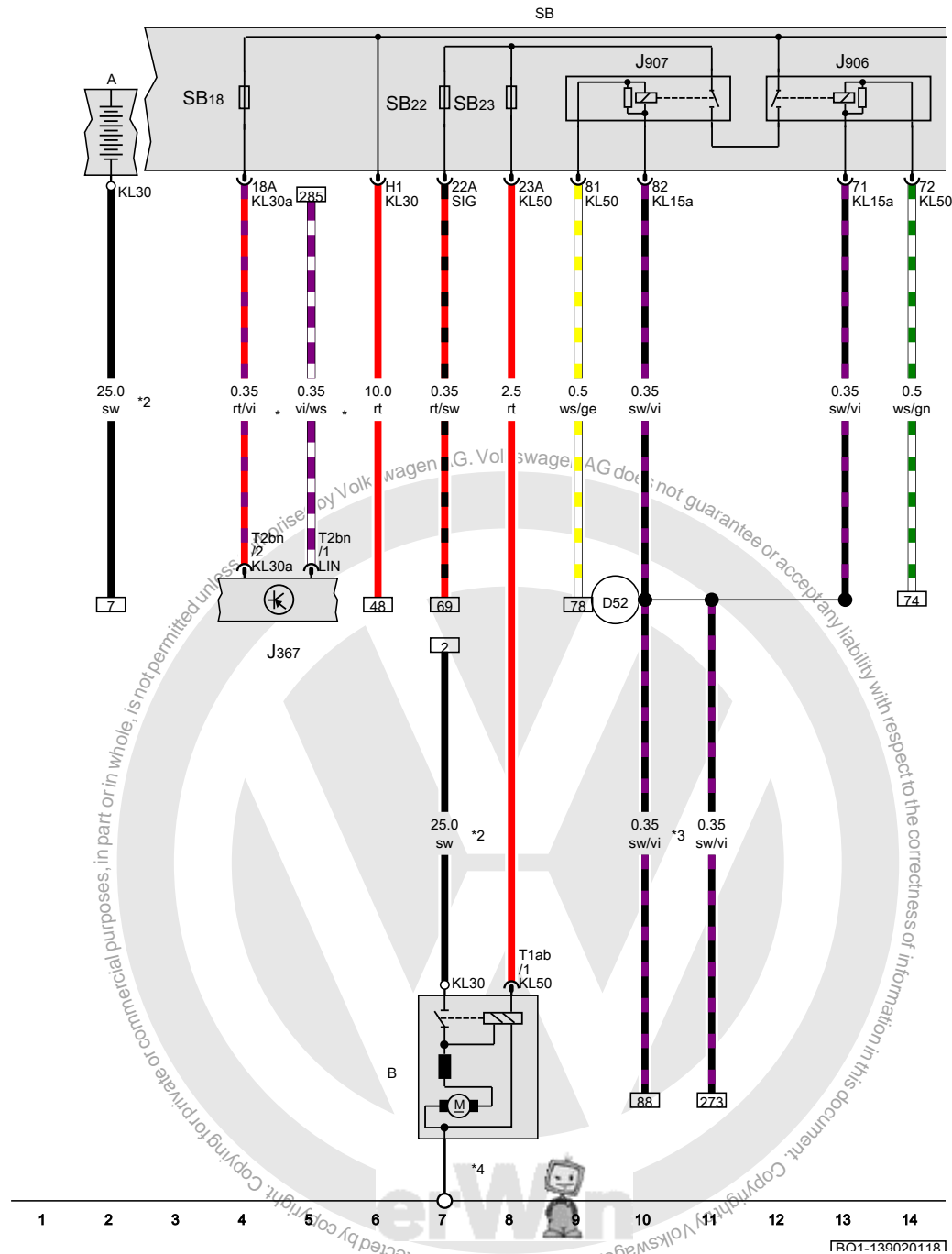
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[RO-138130118]

1.6l diesel engine , DGTB,DGTE

From November 2017

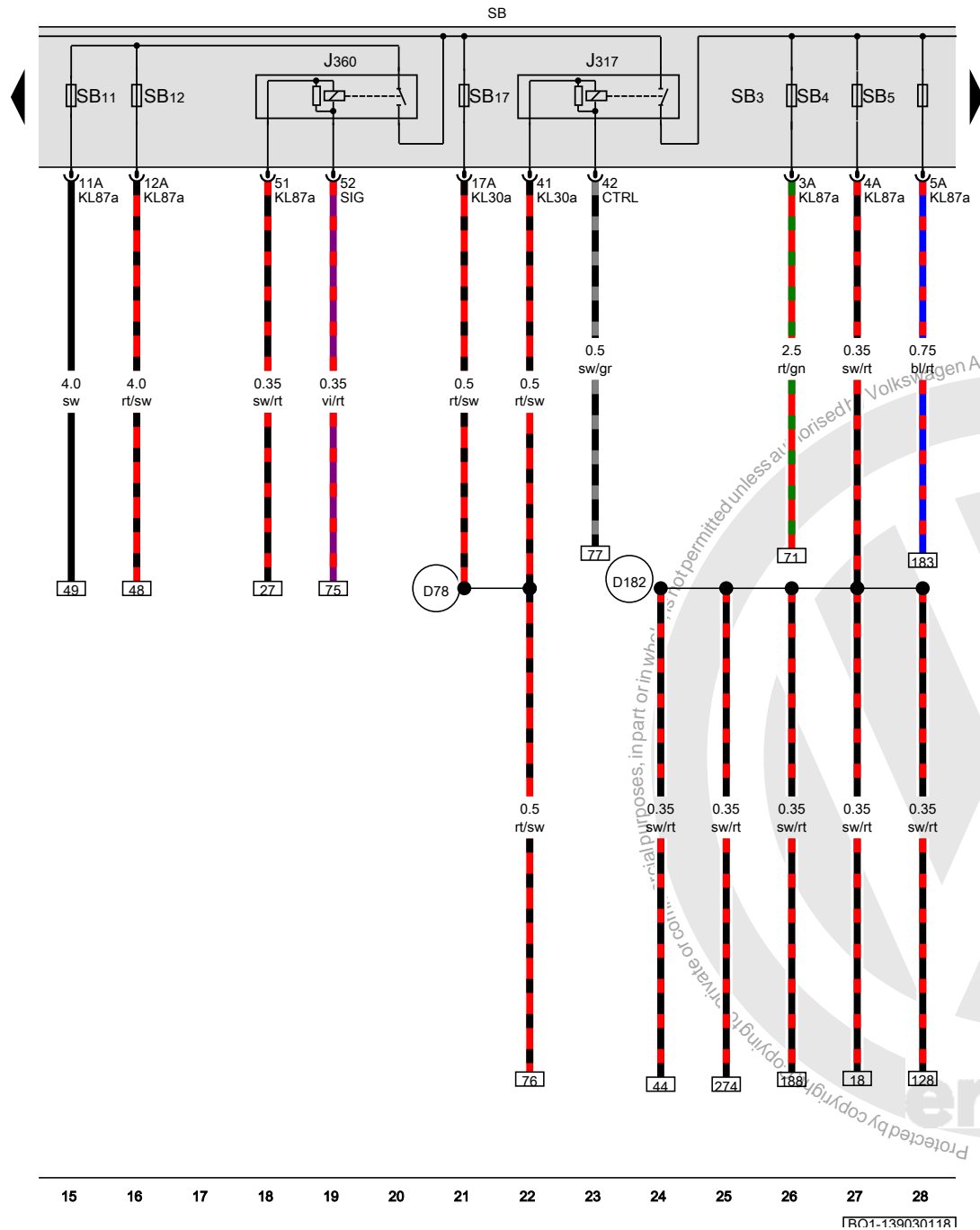




Battery, Starter, Battery monitor control unit, Starter relay 2, Fuse holder B

- A Battery
- B Starter
- J367 Battery monitor control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T1ab 1-pin connector, black
- T2bn 2-pin connector, black
- D52 Positive connection (15a), in engine compartment wiring harness
- * According to equipment
- *2 Cross-section 35.0 possible
- *3 For models with manual gearbox
- *4 Earth supply via housing

- ws = white
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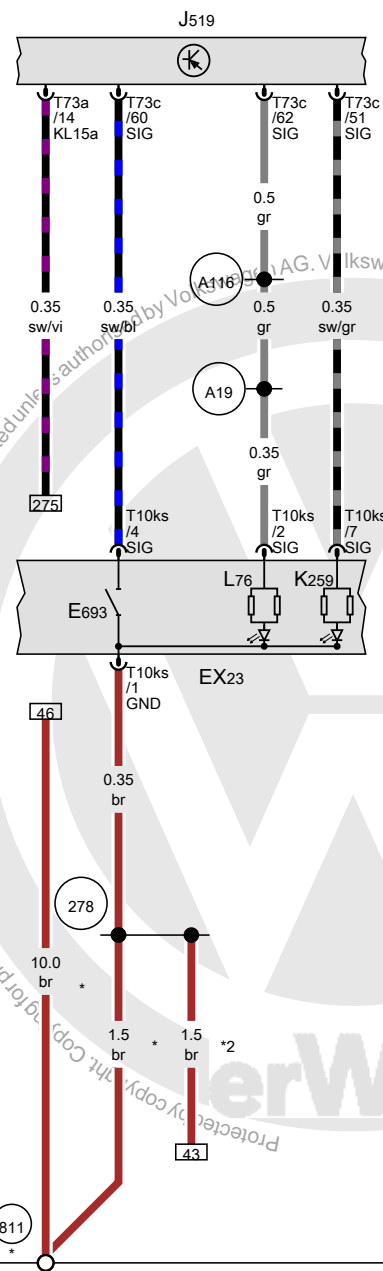
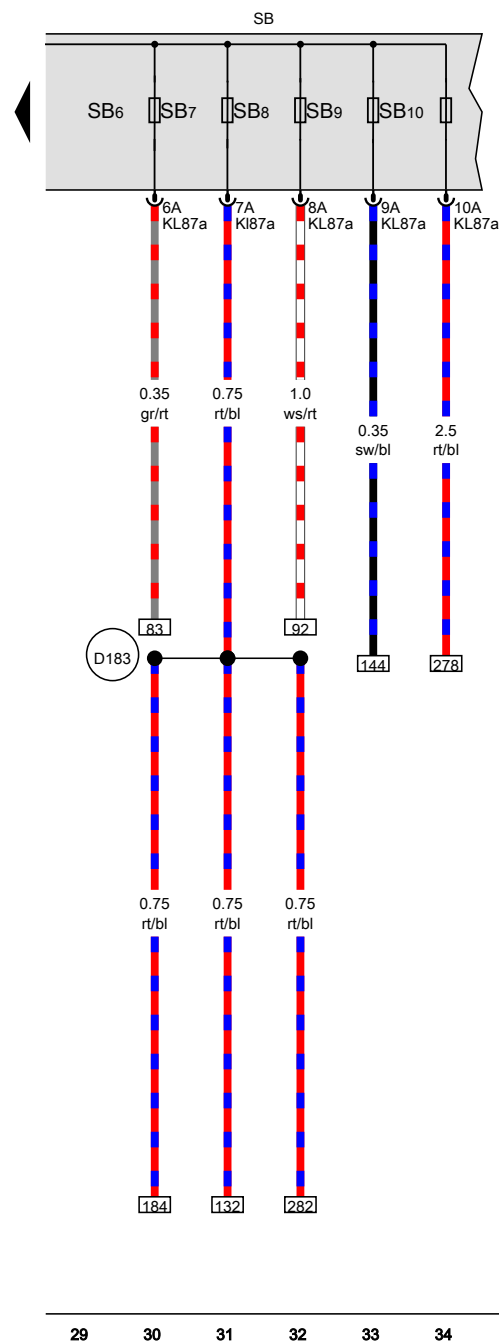


Terminal 30 voltage supply relay, High heat output relay, Fuse holder B

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB17 Fuse 17 on fuse holder B

- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D182 Connection 3 (87a), in engine compartment wiring harness

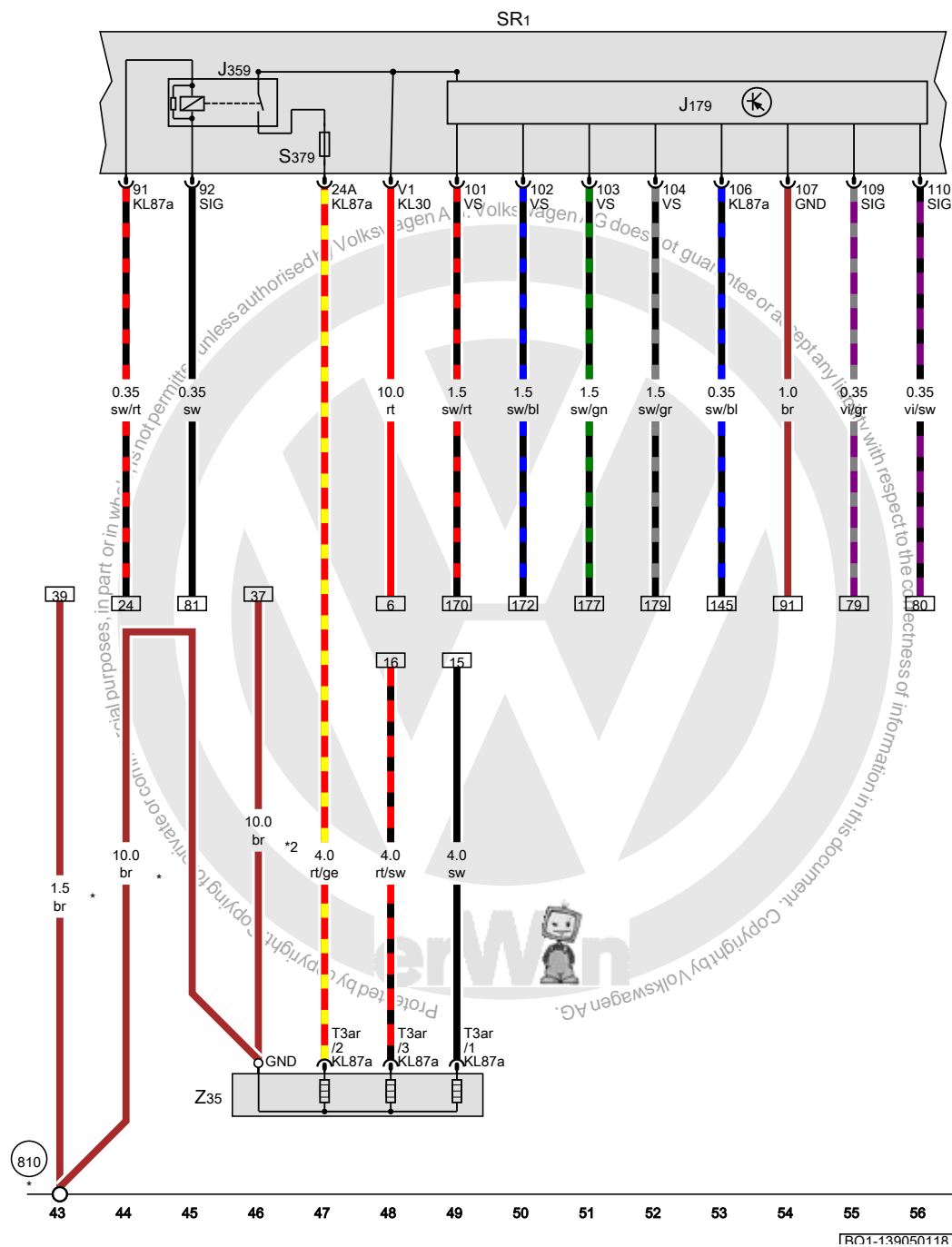
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Switch module 1 in centre console, Start/Stop operation button, Onboard supply control unit, Fuse holder B

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- J519 Onboard supply control unit
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- 278 Earth connection 4, in interior wiring harness
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness
- * For right-hand drive models
- *2 For left-hand drive models

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- sw = black
- ro = red
- rt = red
- br = brown
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- gr = grey
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- vi = purple
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- rs = pink



Automatic glow period control unit, Low heat output relay, Auxiliary air heater element

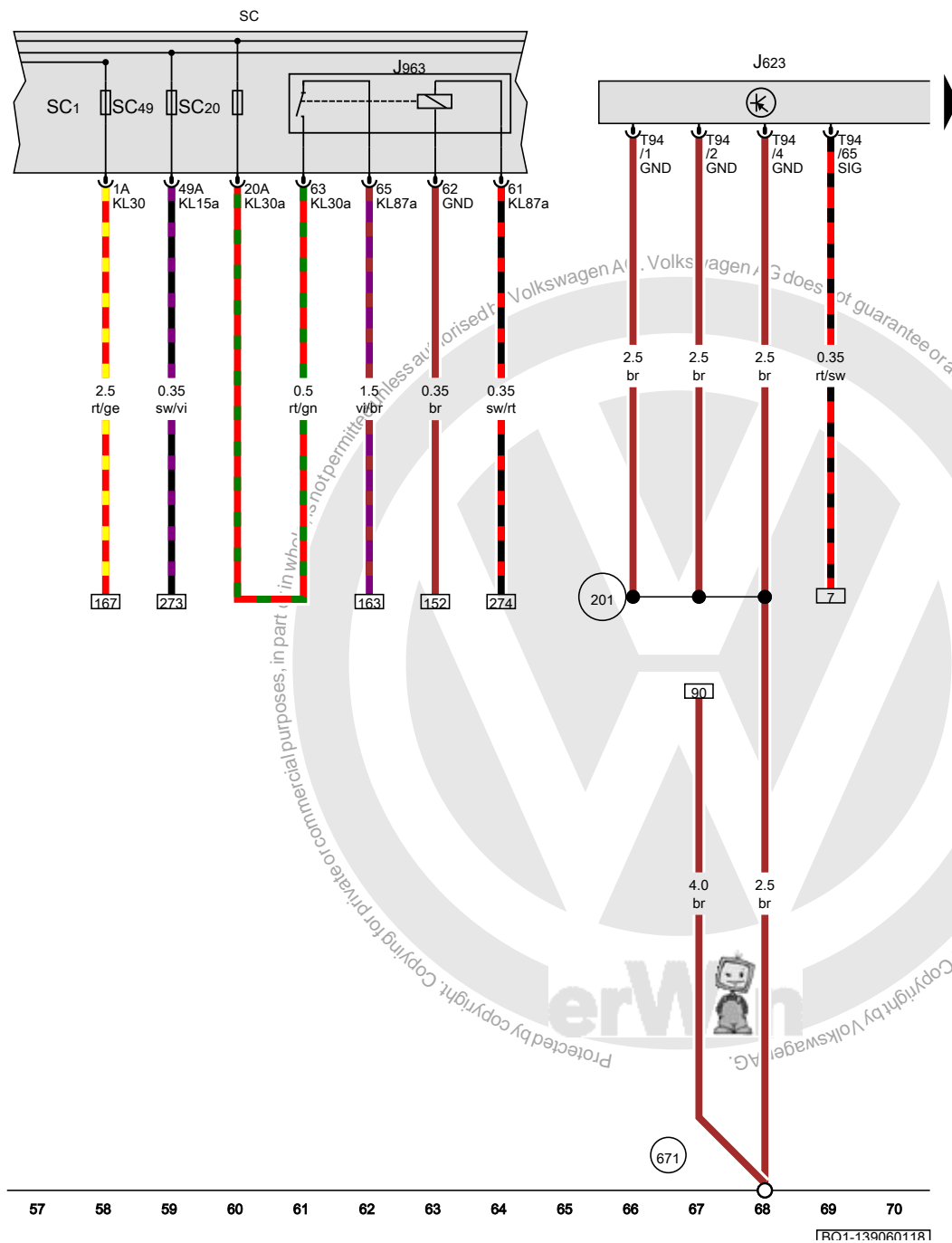
- J179 Automatic glow period control unit
- J359 Low heat output relay
- SR1 Relay and fuse carrier 1, in E-box
- S379 Auxiliary air heating fuse
- T3ar 3-pin connector, black
- Z35 Auxiliary air heater element
- 810 Earth point on central tube for dash panel, centre left
- * For left-hand drive models
- *2 For right-hand drive models

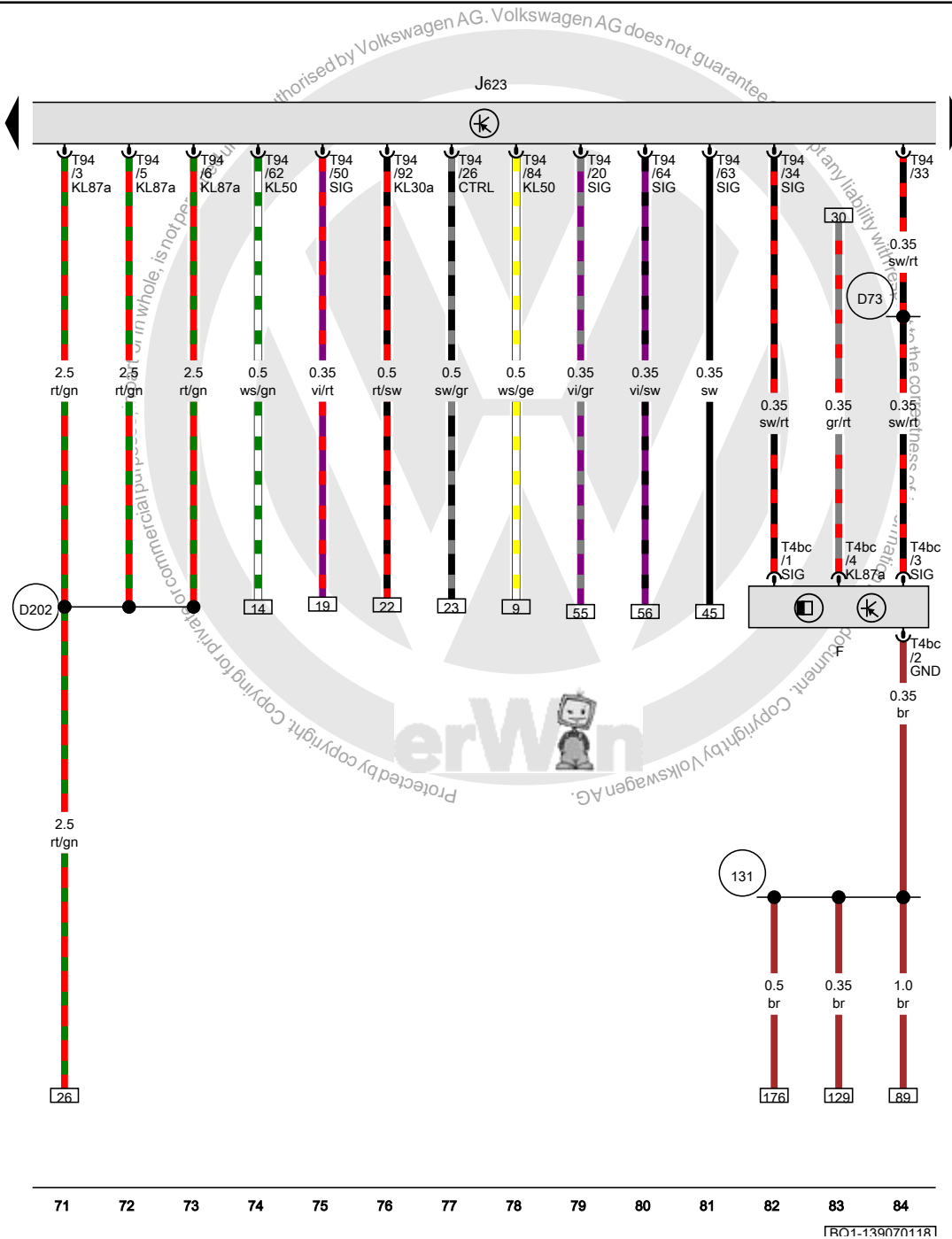
Engine/motor control unit, Fuse holder C

- J623 Engine/motor control unit
- J963 Relay for reducing agent metering system
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T94 94-pin connector, black

(201) Earth connection 5, in engine compartment wiring harness

(671) Earth point 1, on front of left longitudinal member





Brake light switch, Engine/motor control unit

- F Brake light switch
- J623 Engine/motor control unit
- T4bc 4-pin connector, black
- T94 94-pin connector, black

- 131 Earth connection 2, in engine compartment wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness

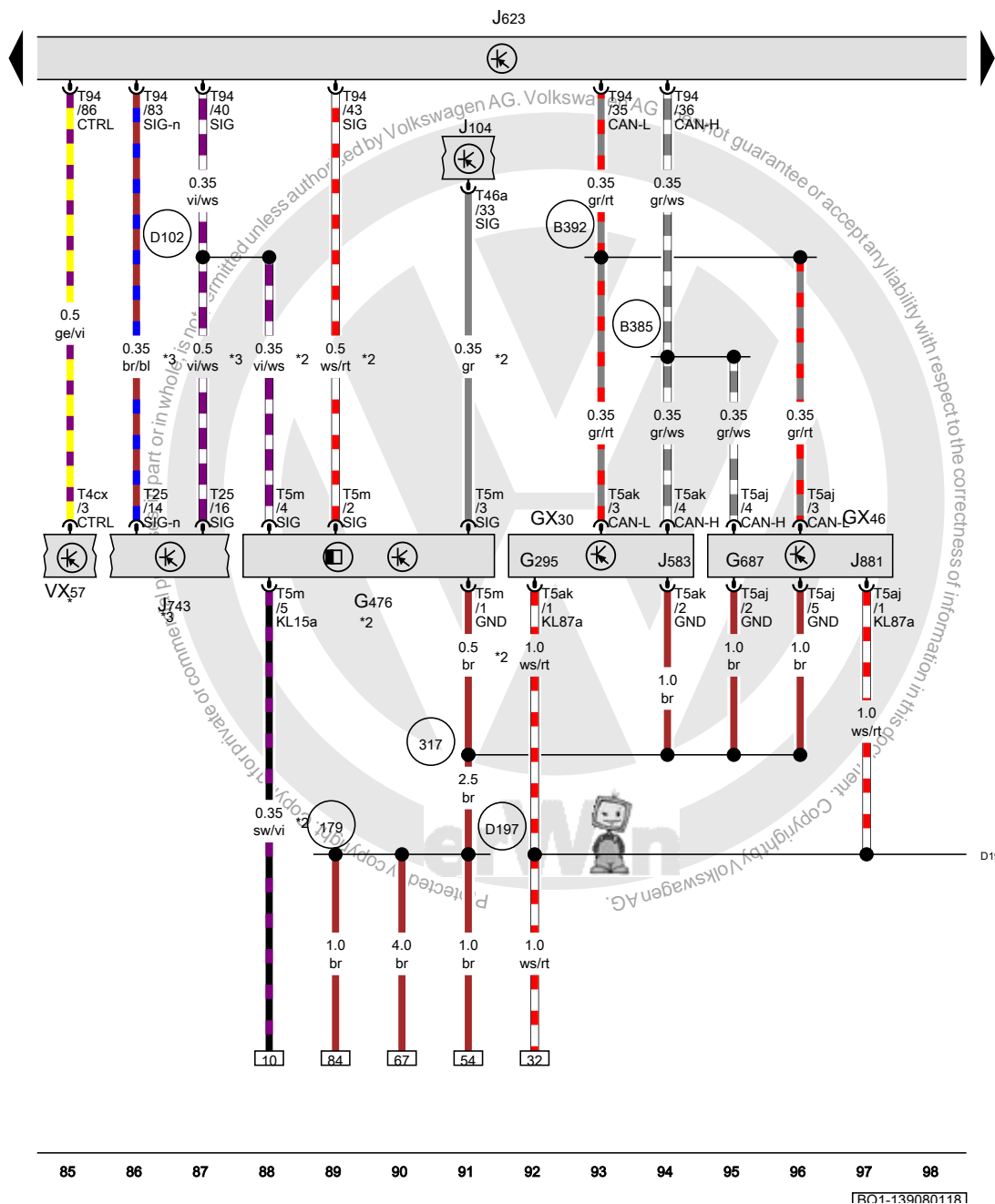
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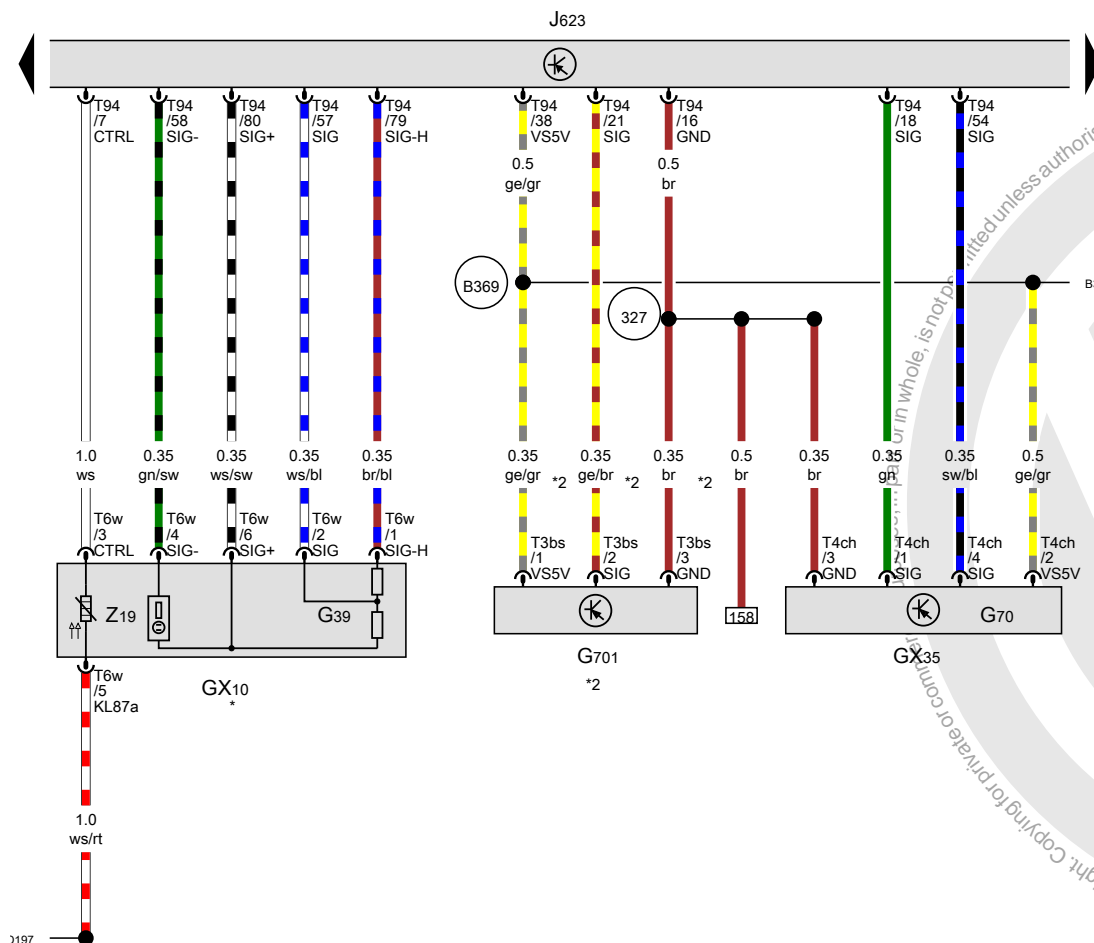
Clutch position sender, Engine/motor control unit,
Mechatronic unit for dual clutch gearbox

- GX30 Control unit for NOx sender
- GX46 Control unit 2 for NOx sender
- G295 NOx sender
- G476 Clutch position sender
- G687 NOx sender 2
- J104 ABS control unit
- J583 Control unit for NOx sender
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J881 Control unit for NOx sender 2
- T4cx 4-pin connector, black
- T5aj 5-pin connector, black
- T5ak 5-pin connector, black
- T5m 5-pin connector, black
- T25 25-pin connector, black
- T46a 46-pin connector, black
- T94 94-pin connector, black
- VX57 Radiator fan

- 179 Earth connection, in left headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- B385 Connection 3 (powertrain CAN bus, high), in main wiring harness
- B392 Connection 3 (powertrain CAN bus, low), in main wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 For models with manual gearbox
- *3 For models with dual clutch gearbox (DSG)

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ro = red
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bl = blue
gr = grey
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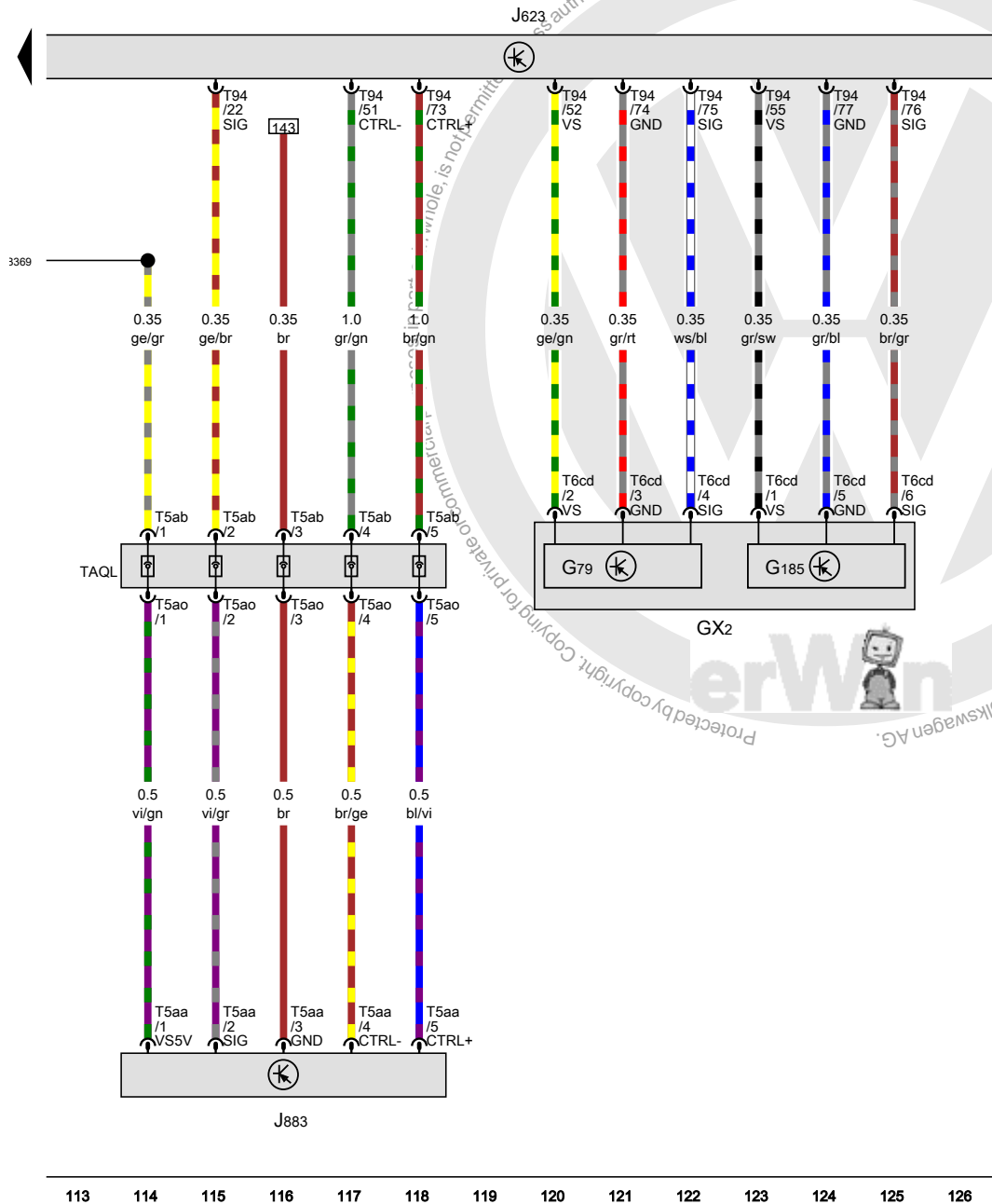




Lambda probe 1 before catalytic converter, Air mass measurement module, Gearbox neutral position sender, Engine/motor control unit

- GX10 Lambda probe 1 before catalytic converter
- GX35 Air mass measurement module
- G39 Lambda probe
- G70 Air mass meter
- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- T3bs 3-pin connector, brown
- T4ch 4-pin connector, black
- T6w 6-pin connector, black
- T94 94-pin connector, black
- Z19 Lambda probe heater
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B369 Connection 1 (5V), in main wiring harness
- D197 Connection 5 (87a), in engine compartment wiring harness
- * Pre-wired component
- *2 For models with manual gearbox

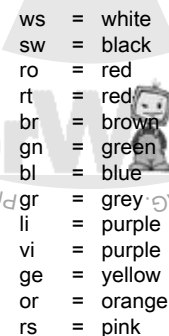
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Accelerator pedal module, Engine/motor control unit,
Exhaust flap control unit

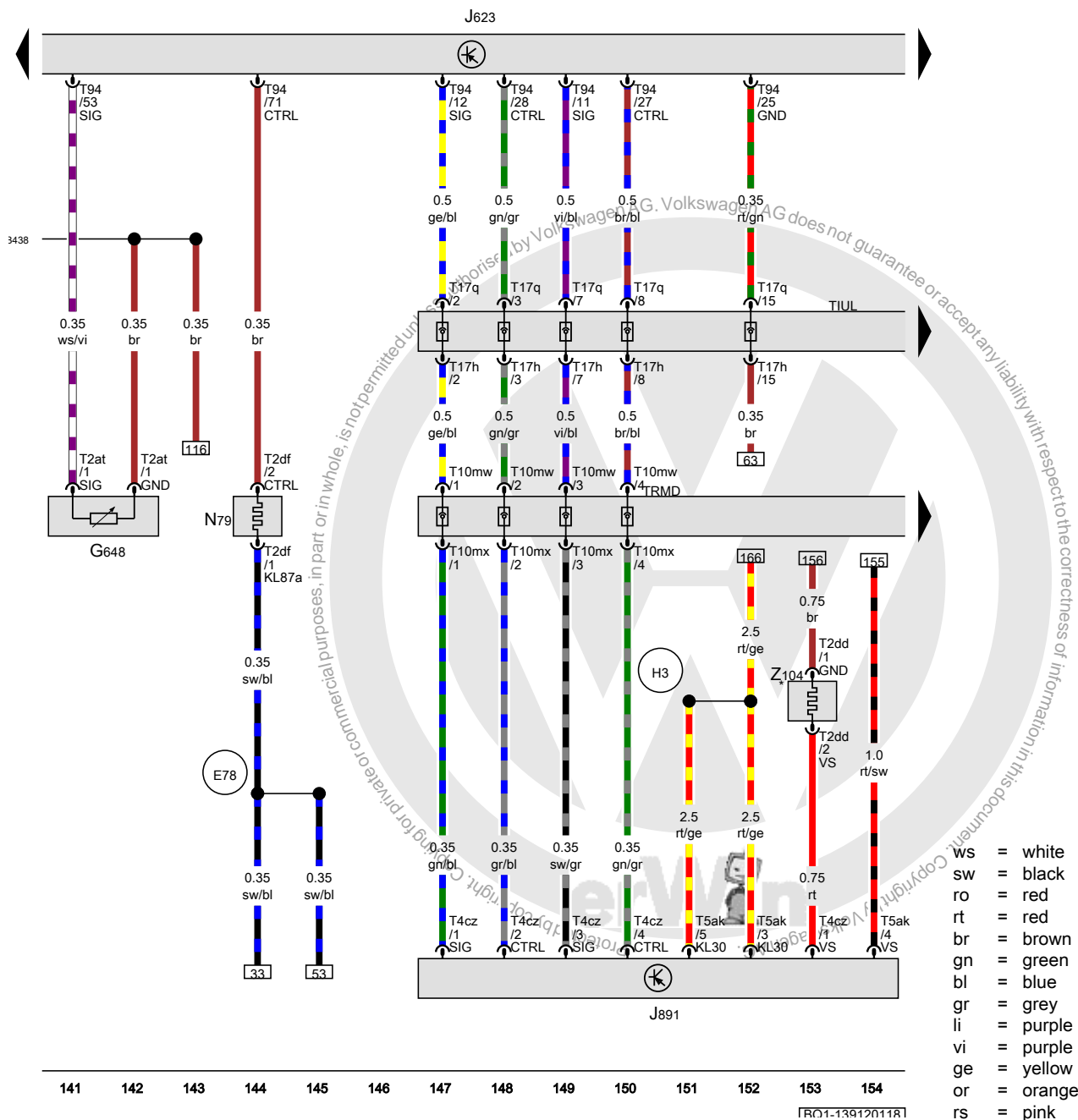
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- J883 Exhaust flap control unit
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T6cd 6-pin connector, black
- T94 94-pin connector, black
- TAQL Coupling point on rear cross member, left
- B369 Connection 1 (5V), in main wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink



G266	Oil level and oil temperature sender
G448	Exhaust gas temperature sender 2
G495	Exhaust gas temperature sender 3
J623	Engine/motor control unit
T2as	2-pin connector, brown
T2br	2-pin connector, black
T3cd	3-pin connector, black
T3cg	3-pin connector, black
T10kv	10-pin connector, black
T10kw	10-pin connector, black
T94	94-pin connector, black
TML	Coupling point in engine compartment, left
V488	Auxiliary pump for heating

85	Earth connection 1, in engine compartment wiring harness
673	Earth point 3, on front of left longitudinal member
B438	Connection 2 (GND (earth)), in main wiring harness



Engine/motor control unit, Heater element for crankcase breather

- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- J891 Control unit for reducing agent heater
- N79 Heater element for crankcase breather
- T2at 2-pin connector, colourless
- T2dd 2-pin connector, black
- T2df 2-pin connector, black
- T4cz 4-pin connector, black
- T5ak 5-pin connector, colourless
- T10mw 10-pin connector, black
- T10mx 10-pin connector, black
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TRMD Coupling point for reducing agent metering system
- Z104 Heater for reducing agent line (heater circuit 2)

- B438 Connection 2 (GND (earth)), in main wiring harness
- E78 Connection 2 (87a) in engine wiring harness
- H3 Connection 1 in wiring harness for reducing agent tank
- * Heater for reducing agent line can comprise multiple sections

Engine/motor control unit

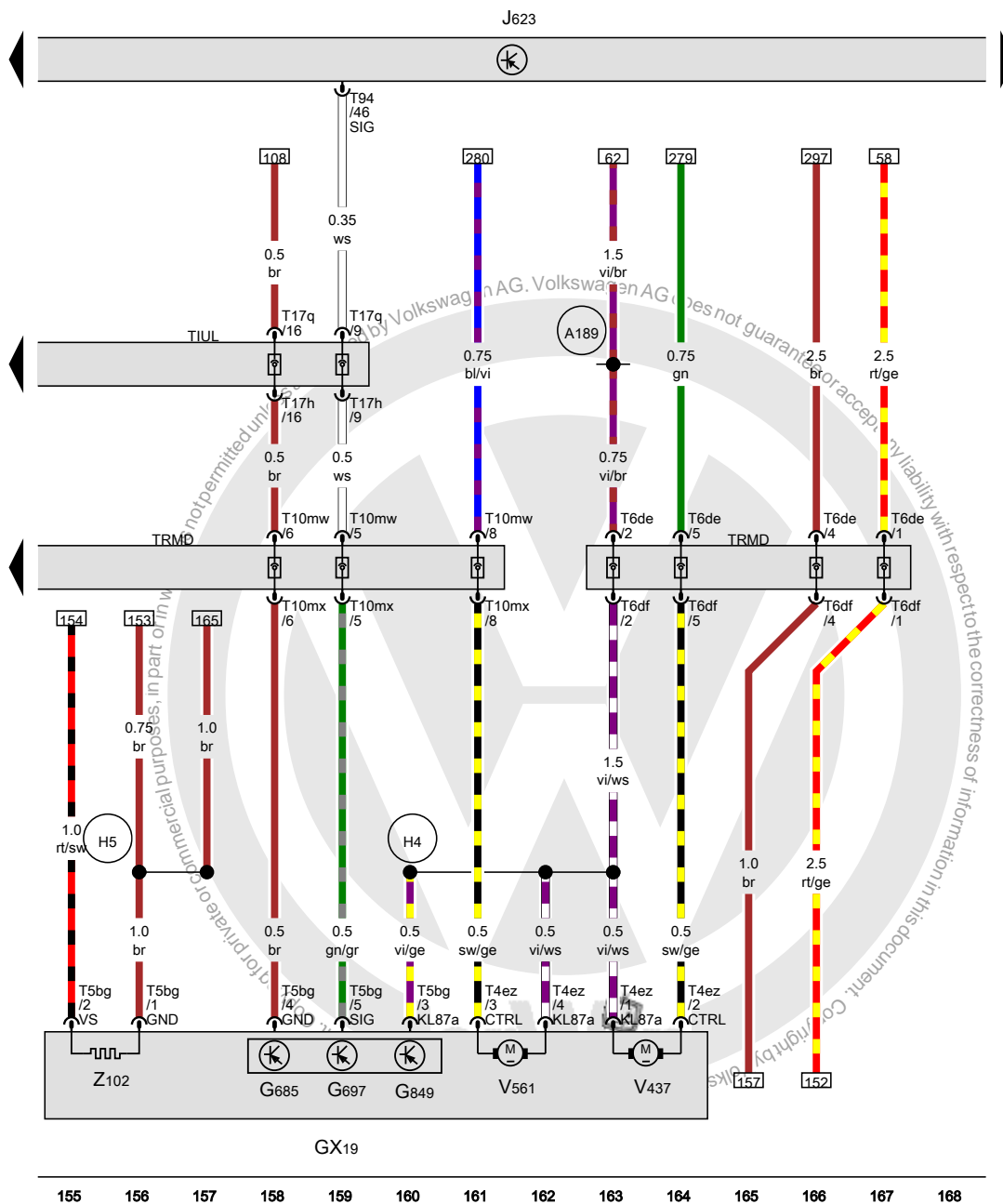
- GX19 Delivery unit for reducing agent metering system
- G685 Temperature sender for reducing agent
- G697 Reducing agent level sender
- G849 Reducing agent quality sensor
- J623 Engine/motor control unit
- T4ez 4-pin connector, black
- T5bg 5-pin connector, black
- T6de 6-pin connector, black
- T6df 6-pin connector, black
- T10mw 10-pin connector, black
- T10mx 10-pin connector, black
- T17h 17-pin connector, green
- T17q 17-pin connector, green
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- TRMD Coupling point for reducing agent metering system
- V437 Pump for reducing agent
- V561 Reducing agent return flow pump
- Z102 Heater for reducing agent tank (heater circuit 1)

A189 Positive connection 5 (30a) in dash panel wiring harness

H4 Connection 2 in wiring harness for reducing agent tank

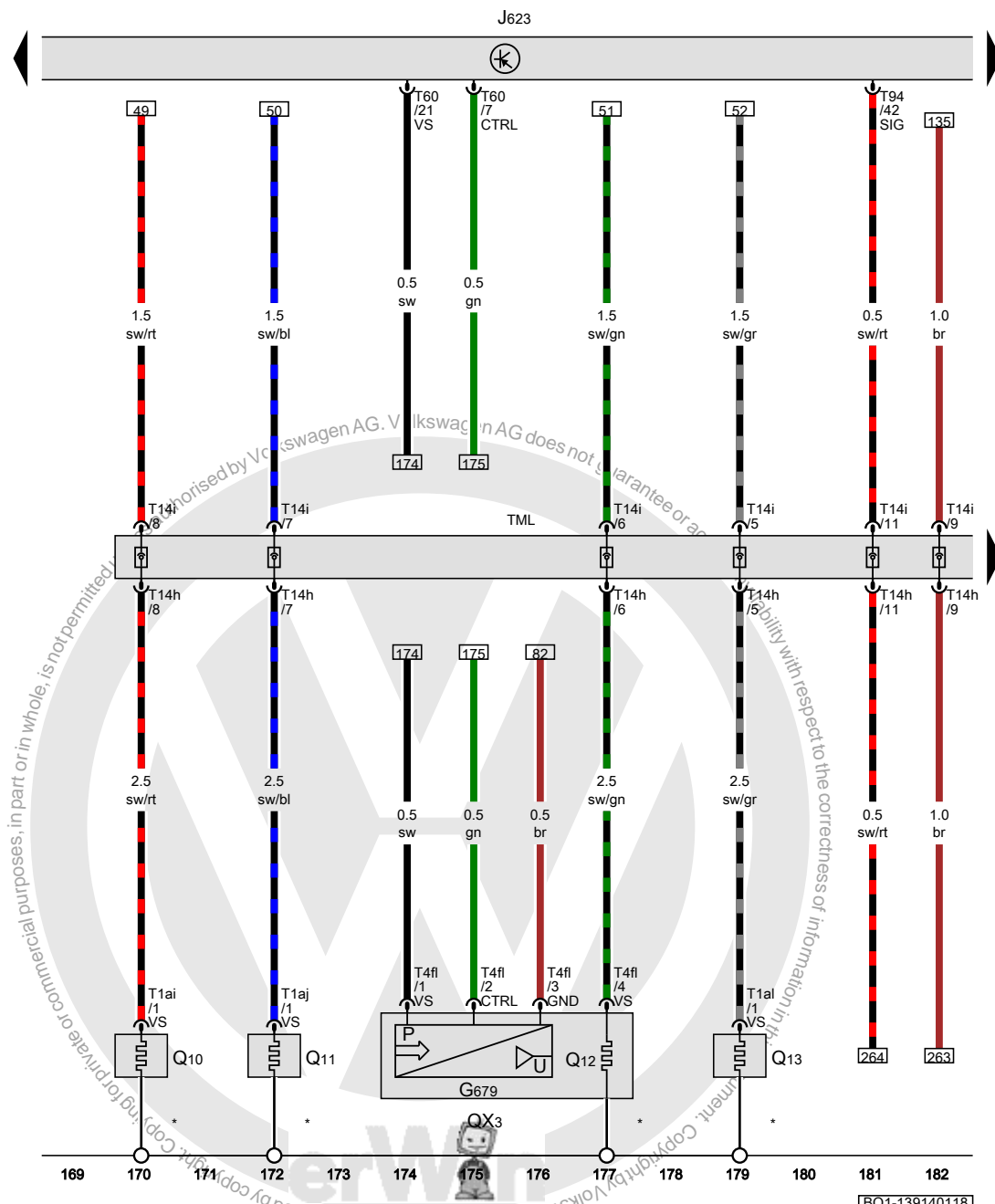
H5 Connection 3 in wiring harness for reducing agent tank

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



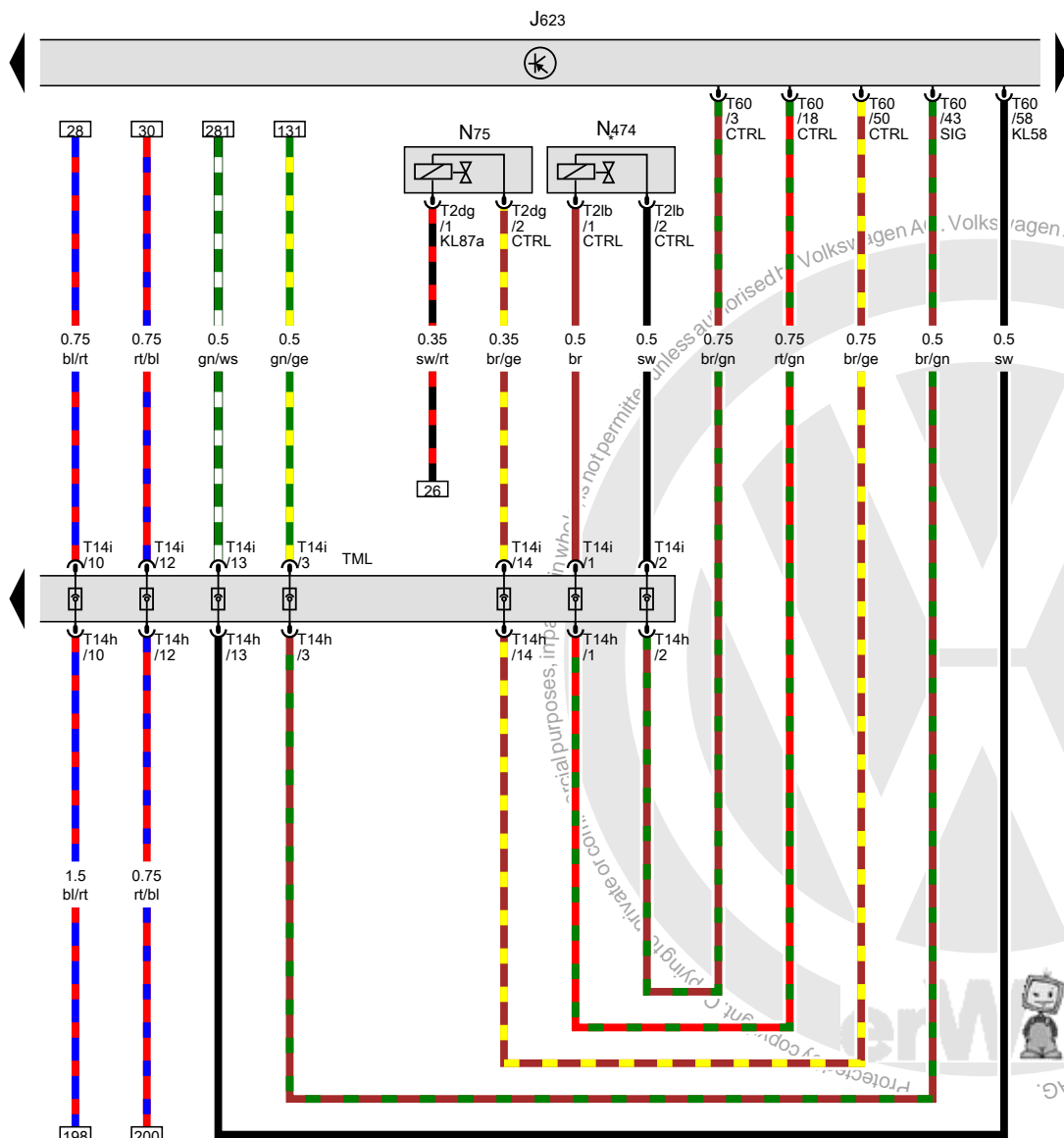
Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T4fl 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- T94 94-pin connector, black
- TML Coupling point in engine compartment, left
- * Earth supply via housing



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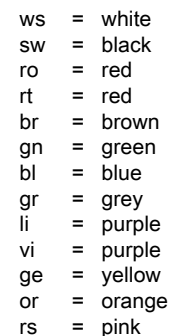
Engine/motor control unit, Charge pressure control solenoid valve, Injector for reducing agent



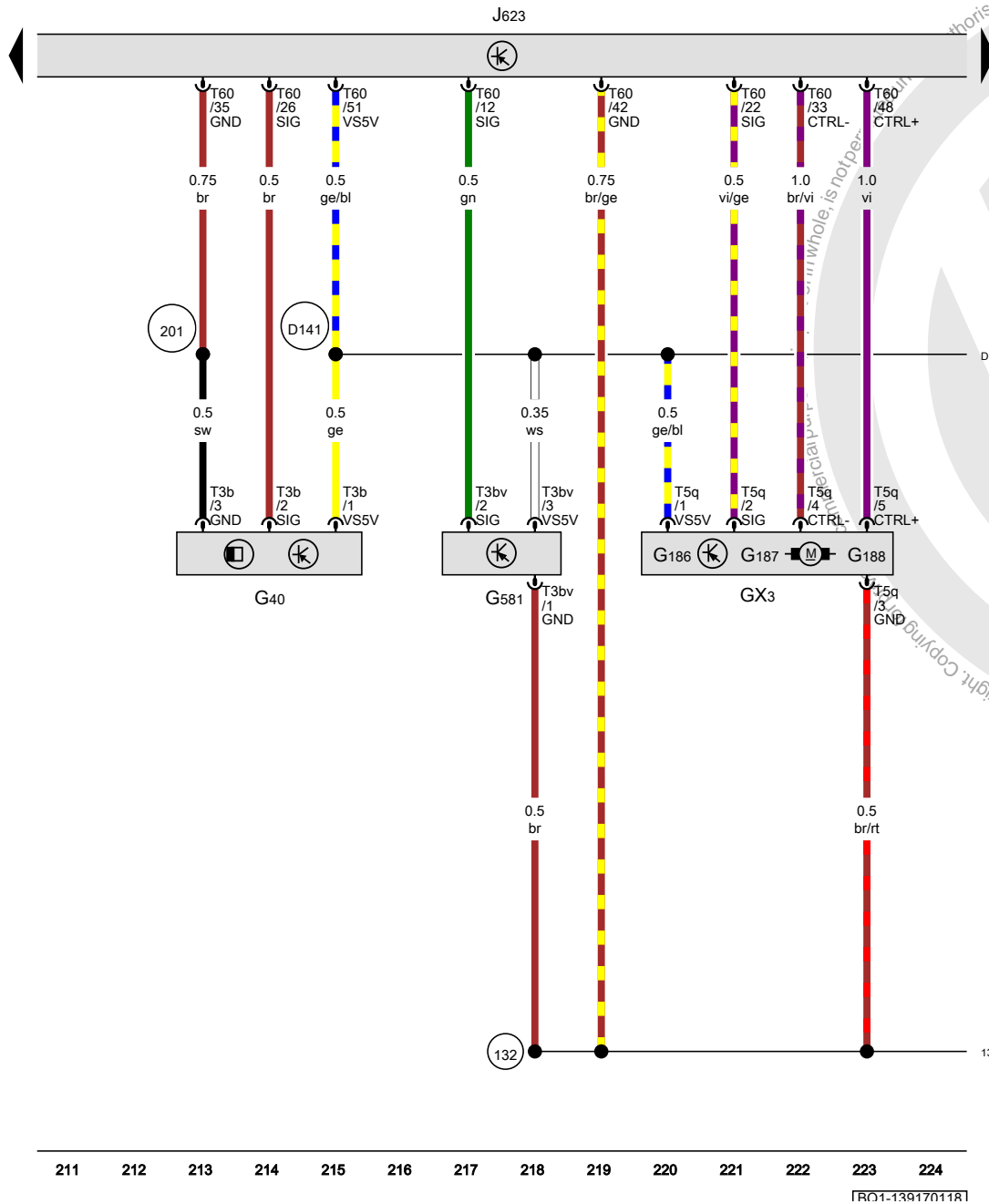
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- N474 Injector for reducing agent
- T2dg 2-pin connector, black
- T2lb 2-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T60 60-pin connector, black
- TML Coupling point in engine compartment, left
- * Pre-wired component



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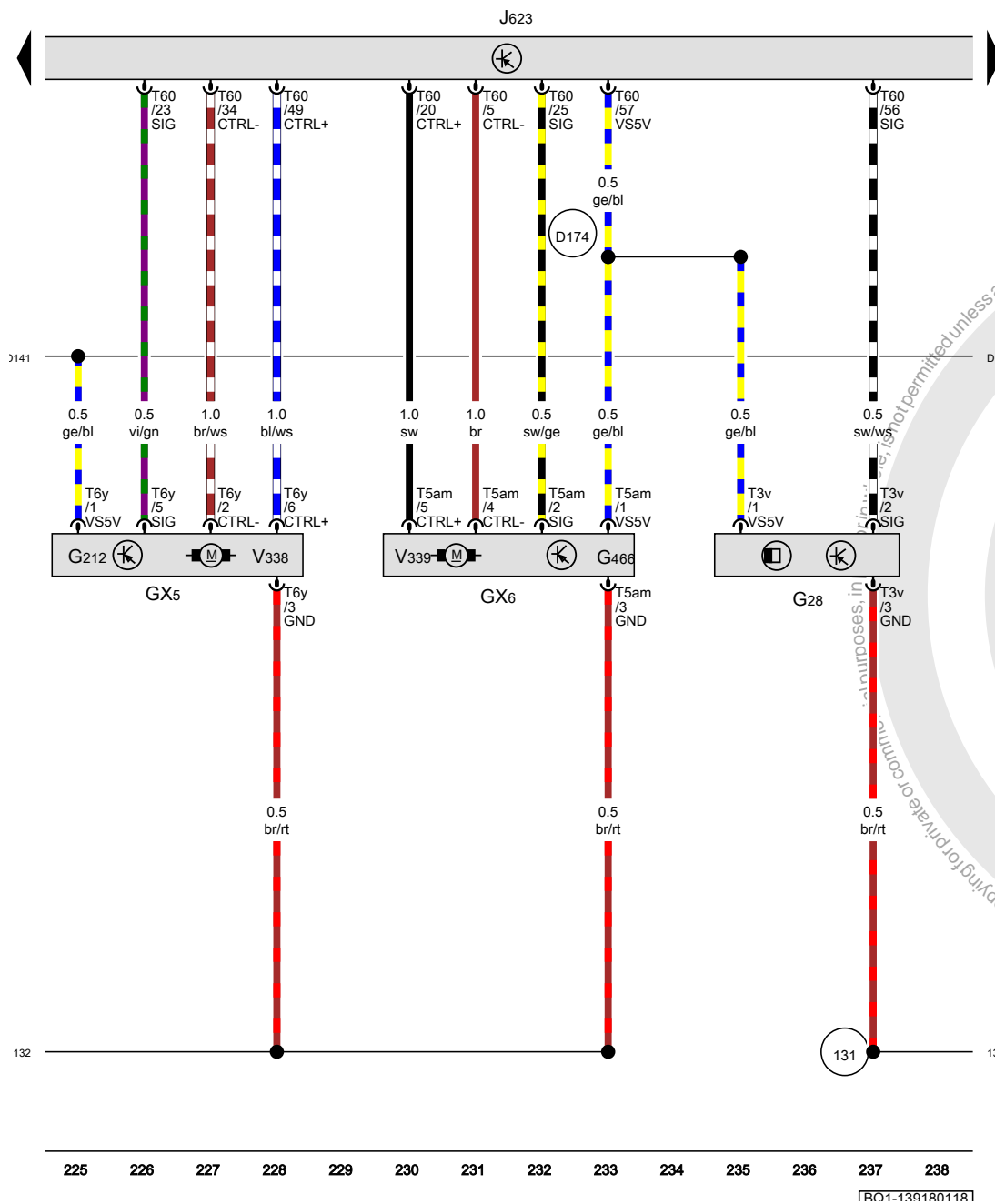


J623	Engine/motor control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N290	Fuel metering valve
N428	Valve for oil pressure control
N489	Coolant valve for cylinder head
T2cm	2-pin connector, black
T2cn	2-pin connector, black
T2co	2-pin connector, black
T2cq	2-pin connector, black
T2cy	2-pin connector, black
T2dj	2-pin connector, brown
T2dl	2-pin connector, black
T60	60-pin connector, black
209	Earth connection 6, in engine compartment wiring harness
D101	Connection 1 in engine compartment wiring harness



Throttle valve module, Hall sender, Position sender for charge pressure positioner, Engine/motor control unit

- GX3 Throttle valve module
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bv 3-pin connector, brown
- T5q 5-pin connector, black
- T60 60-pin connector, black
- 132 Earth connection 3, in engine compartment wiring harness
- 201 Earth connection 5, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

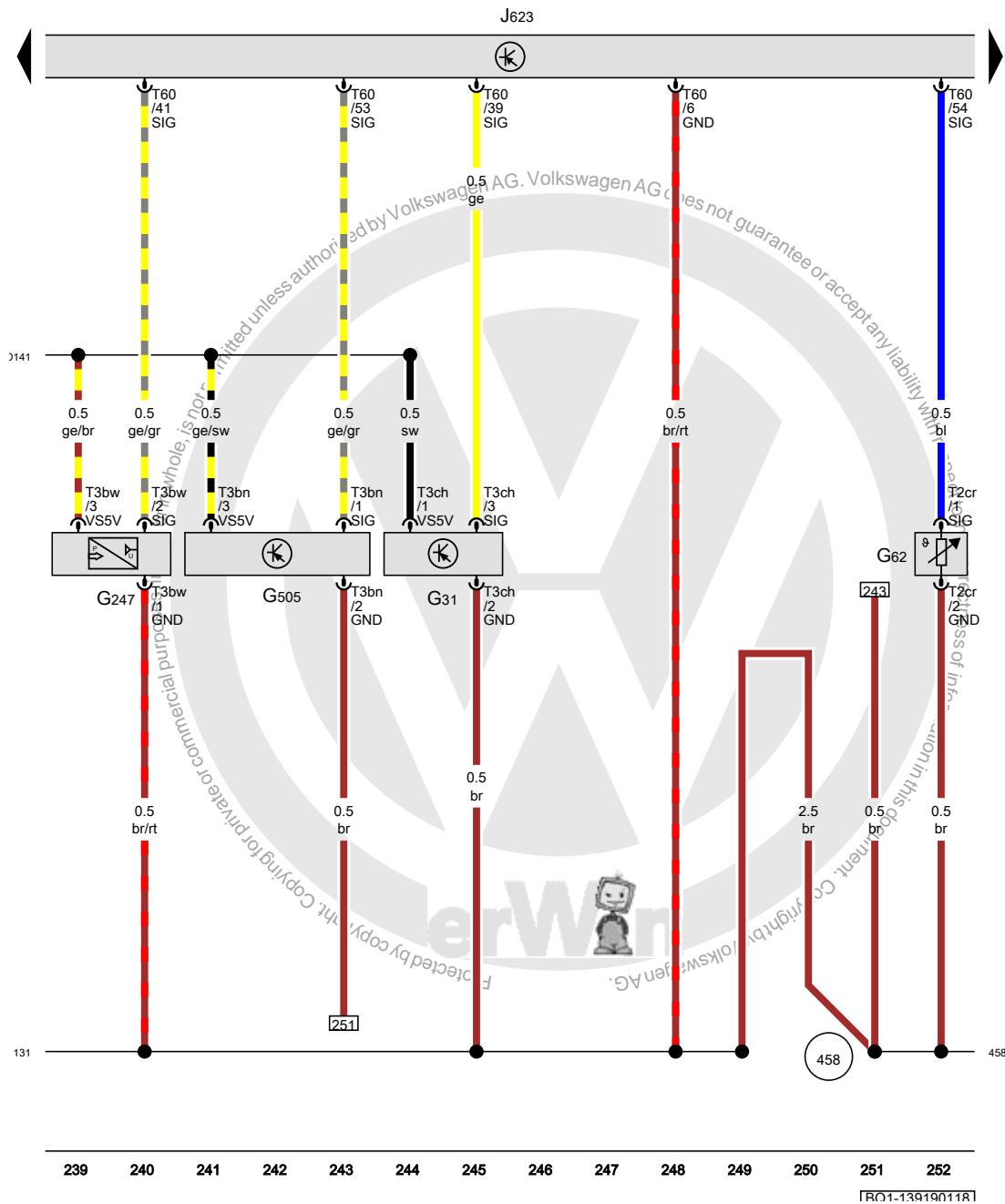


Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Engine speed sender, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T3v 3-pin connector, black
- T5am 5-pin connector, black
- T6y 6-pin connector, black
- T60 60-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

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- vi = purple
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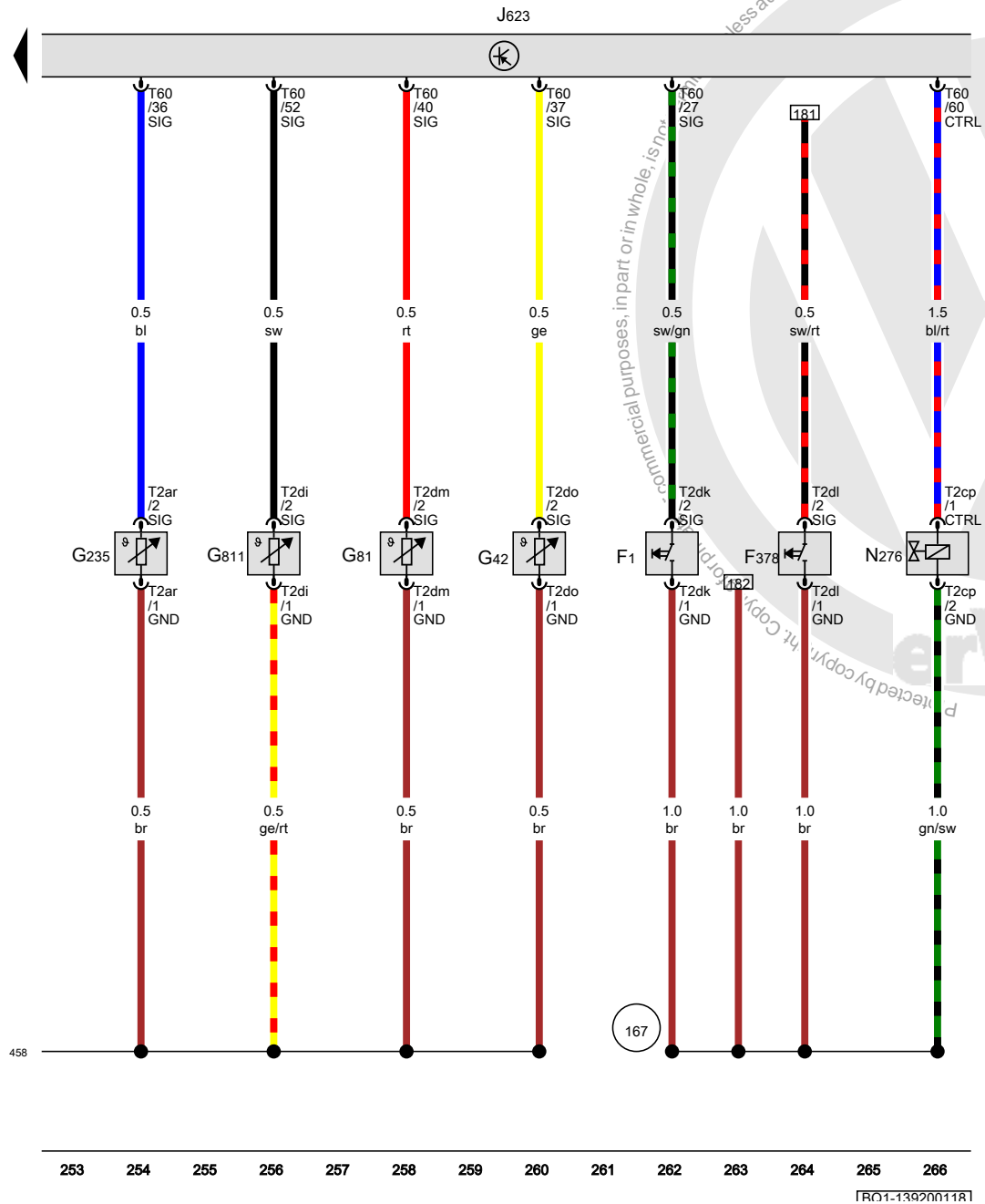


Charge pressure sender, Coolant temperature sender, Fuel pressure sender, Pressure differential sender, Engine/motor control unit

- G31 Charge pressure sender
- G62 Coolant temperature sender
- G247 Fuel pressure sender
- G505 Pressure differential sender
- J623 Engine/motor control unit
- T2cr 2-pin connector, black
- T3bn 3-pin connector, black
- T3bw 3-pin connector, black
- T3ch 3-pin connector, black
- T60 60-pin connector, black

- 131 Earth connection 2, in engine compartment wiring harness
- 458 Earth point 3, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

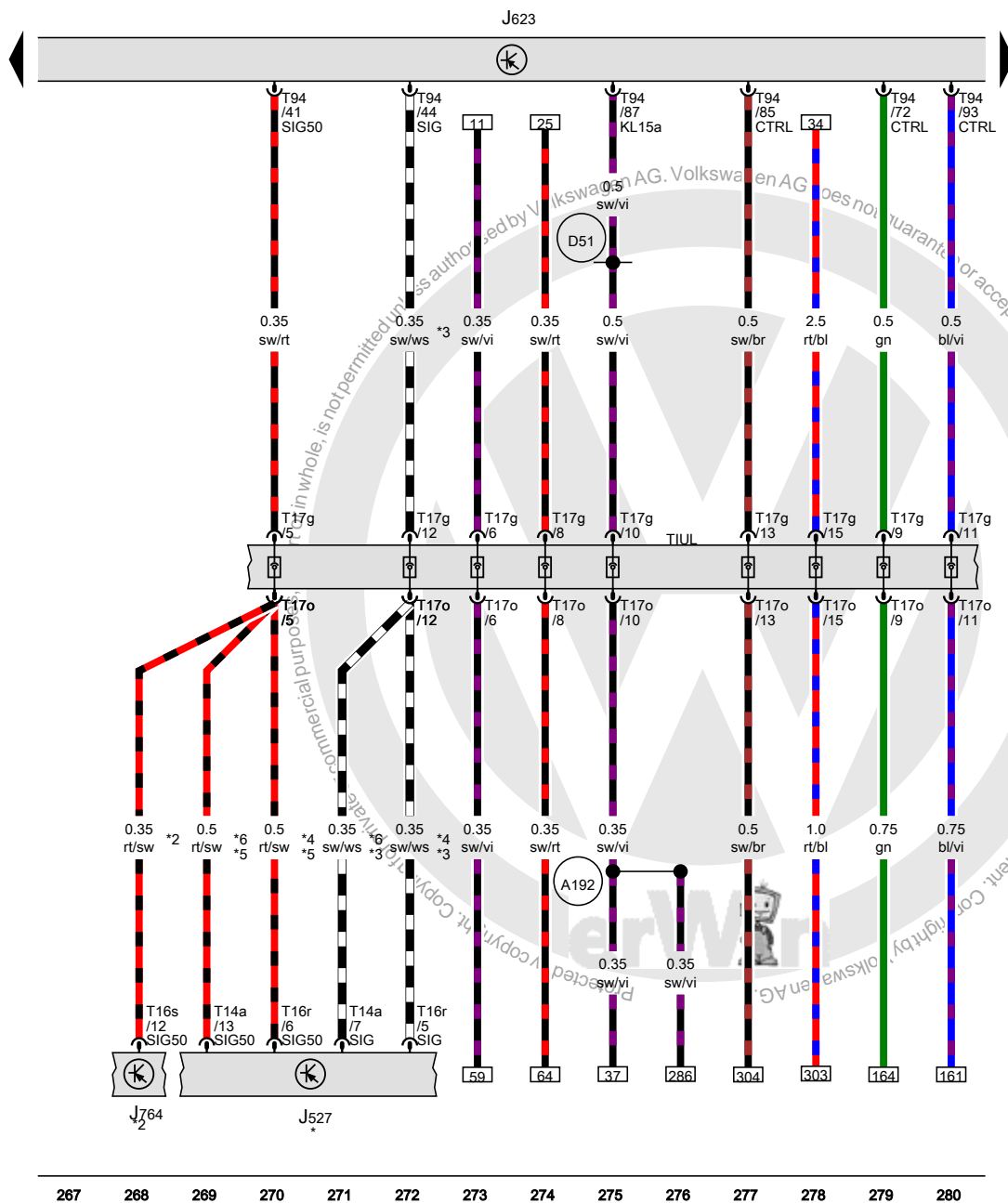
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Oil pressure switch, Oil pressure switch for reduced oil pressure, Fuel temperature sender, Exhaust gas temperature sender 1, Charge air temperature sender after charge air cooler, Engine/motor control unit, Fuel pressure regulating valve

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G42 Intake air temperature sender
- G81 Fuel temperature sender
- G235 Exhaust gas temperature sender 1
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- T2ar 2-pin connector, black
- T2cp 2-pin connector, black
- T2di 2-pin connector, black
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T2dm 2-pin connector, yellow
- T2do 2-pin connector, black
- T60 60-pin connector, black
- 167 Earth connection 4, in engine compartment wiring harness
- 458 Earth point 3, engine prewiring harness

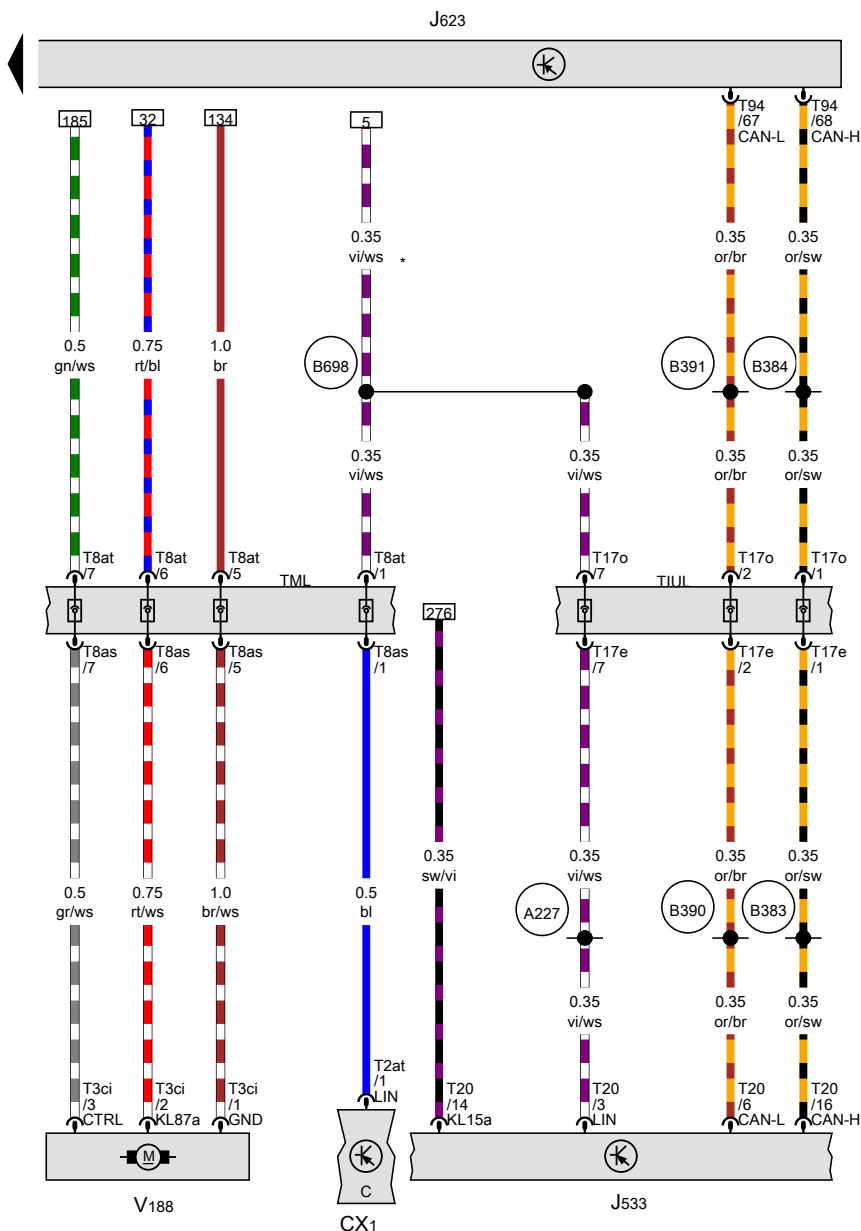
Steering column electronics control unit, Engine/motor control unit, Control unit for electronic steering column lock



- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T94 94-pin connector, black
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with entry and start authorisation
- *3 For models with cruise control system (CCS)
- *4 For models with no heated steering wheel
- *5 For models with no entry and start authorisation
- *6 For models with heated steering wheel

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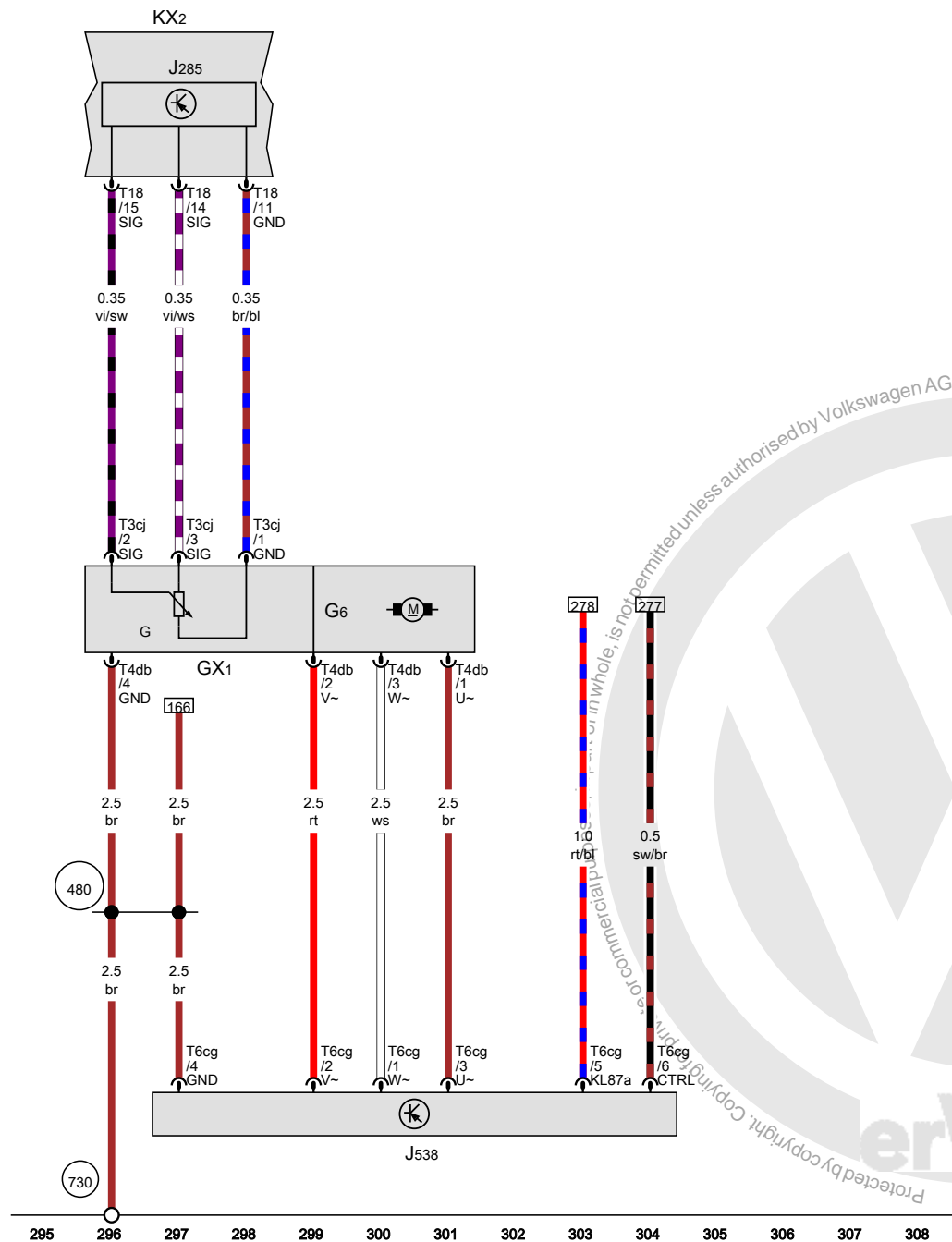
Data bus diagnostic interface, Engine/motor control unit,
Charge air cooling pump



- C Alternator
- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T2at 2-pin connector, black
- T3ci 3-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17o 17-pin connector, brown
- T20 20-pin connector, red
- T94 94-pin connector, black
- TIUL Coupling point in interior, below, left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump

- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
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 gn = green
 bl = blue
 gr = grey
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Fuel delivery unit, Control unit in dash panel insert, Fuel pump control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- KX2 Dash panel insert
- T3cj 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black

- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing

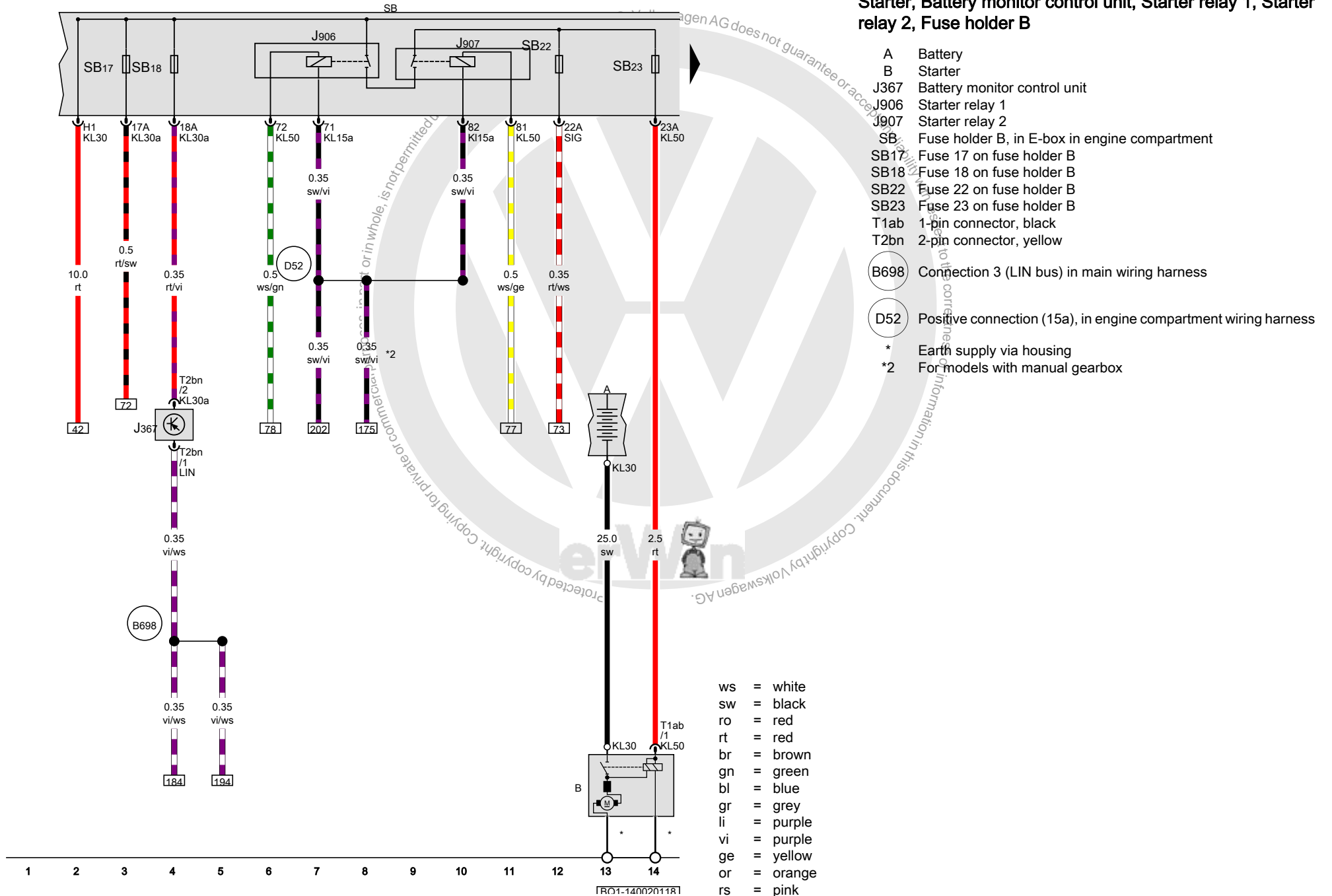
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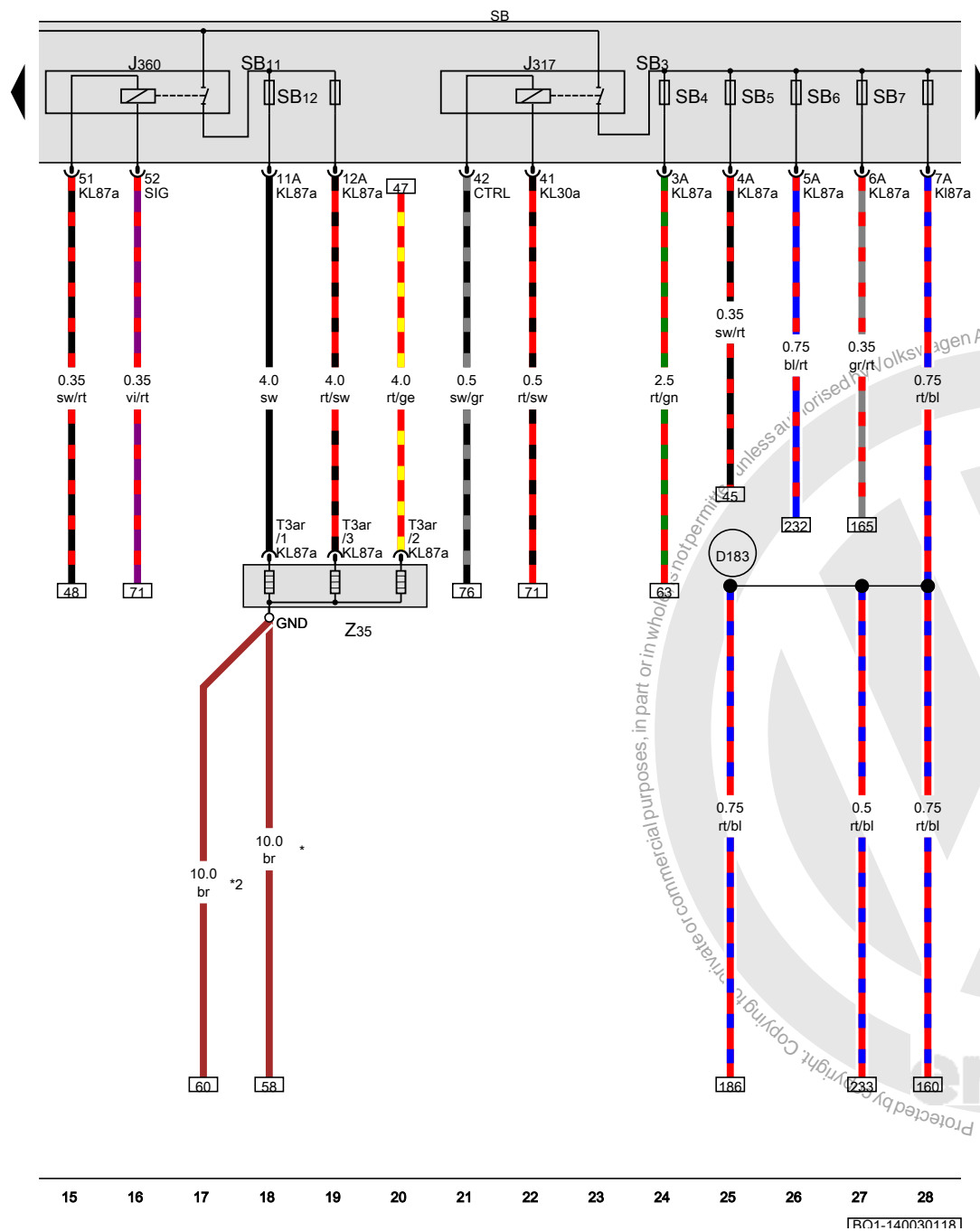
2.0l diesel engine , DFGA,DFGB,DJGA

From November 2017



Starter, Battery monitor control unit, Starter relay 1, Starter relay 2, Fuse holder B





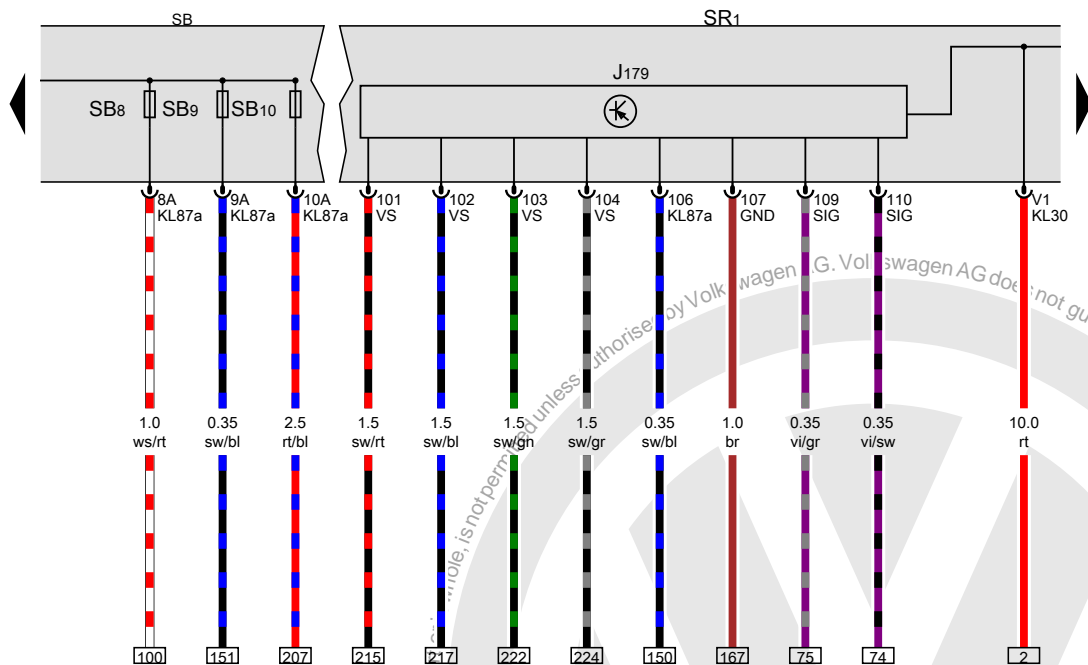
Terminal 30 voltage supply relay, High heat output relay,
Fuse holder B, Auxiliary air heater element

- J317 Terminal 30 voltage supply relay
- J360 High heat output relay
- SB Fuse holder B, in E-box in engine compartment
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- T3ar 3-pin connector, black
- Z35 Auxiliary air heater element

D183 Connection 4 (87a), in engine compartment wiring harness

- * For left-hand drive models
- *2 For right-hand drive models

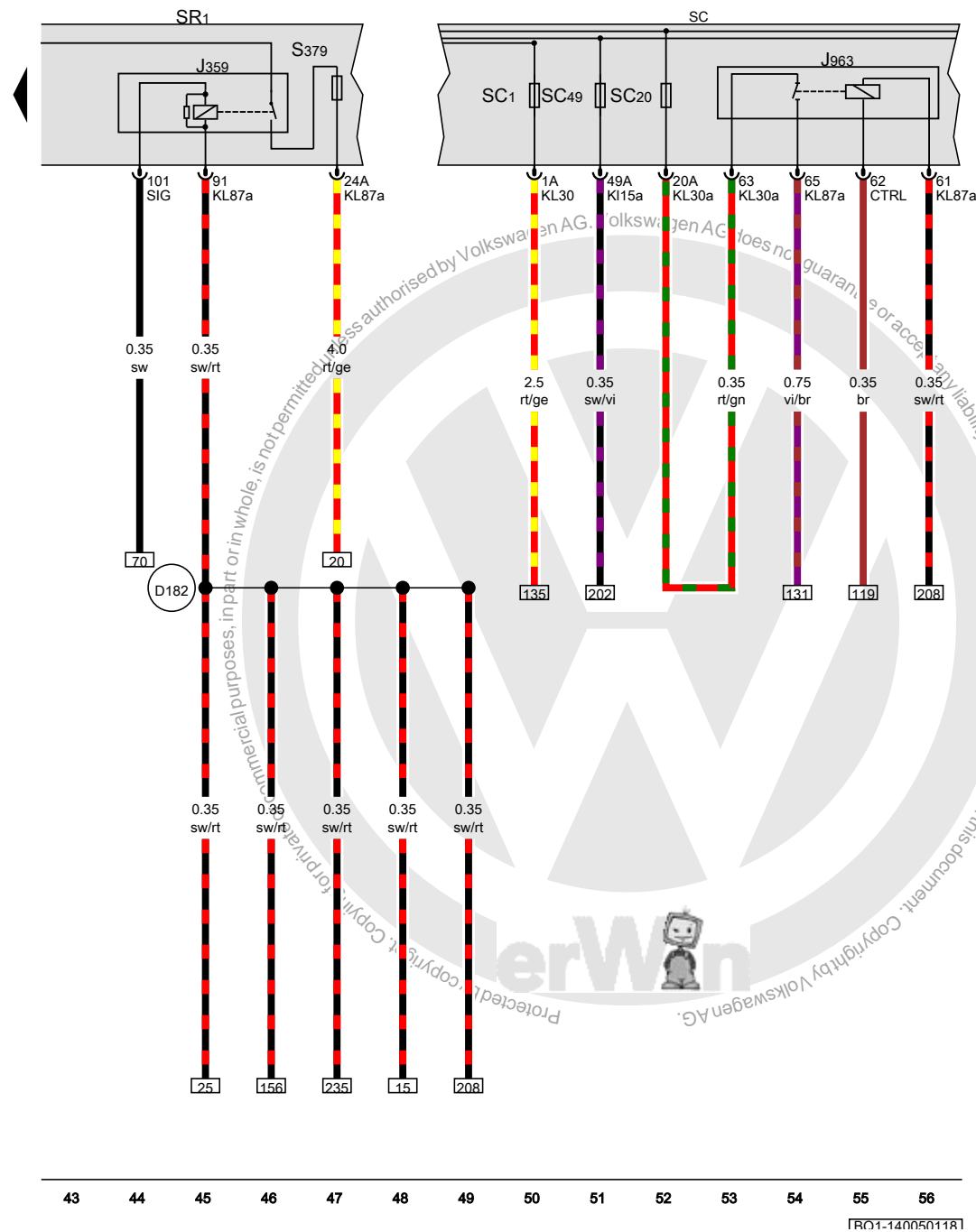
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- ge = yellow
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- rs = pink



Fuse holder B, Relay and fuse carrier 1

- J179 Automatic glow period control unit
- SB Fuse holder B, in E-box in engine compartment
- SR1 Relay and fuse carrier 1
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B

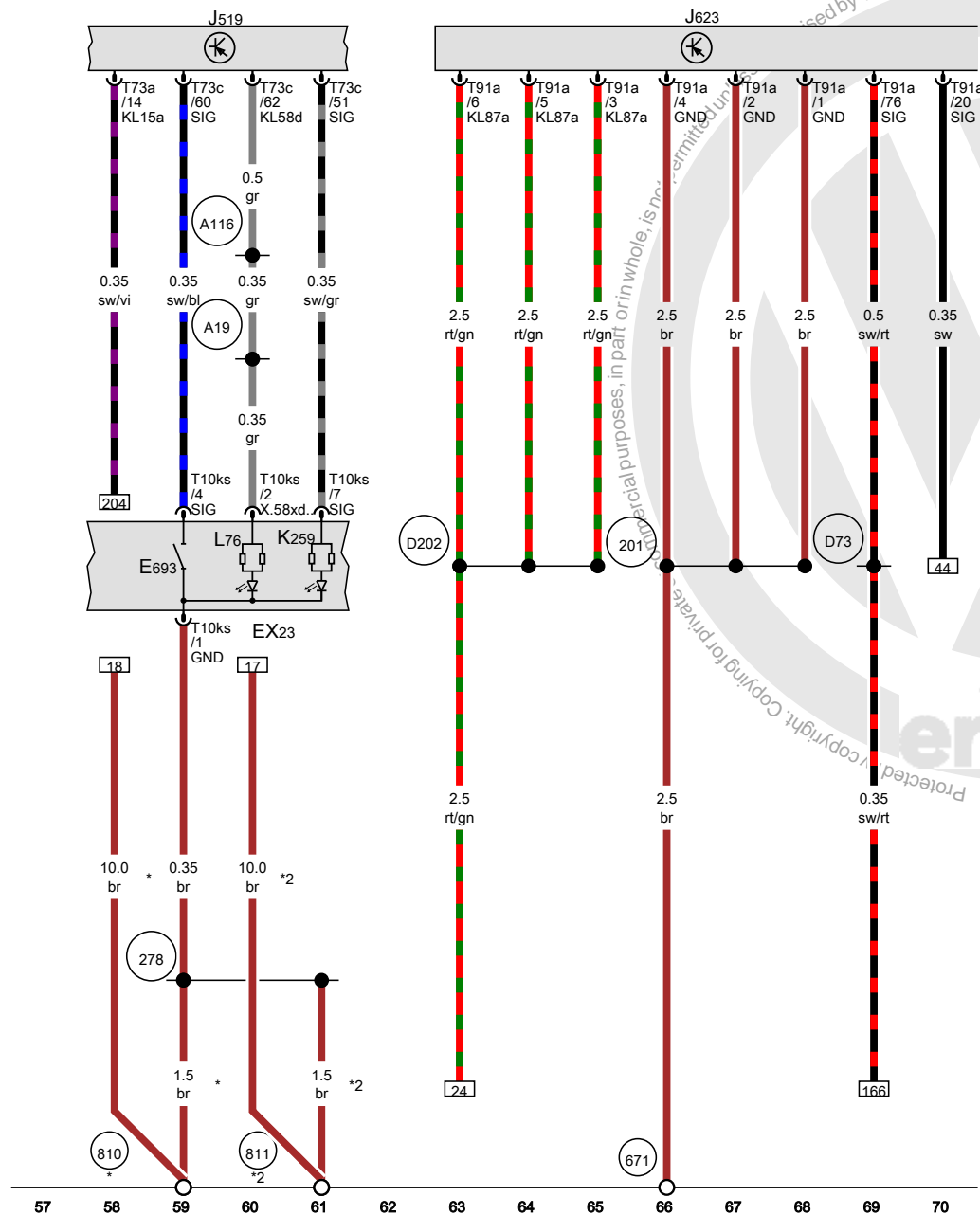
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Relay for reducing agent metering system, Fuse holder C, Relay and fuse carrier 1

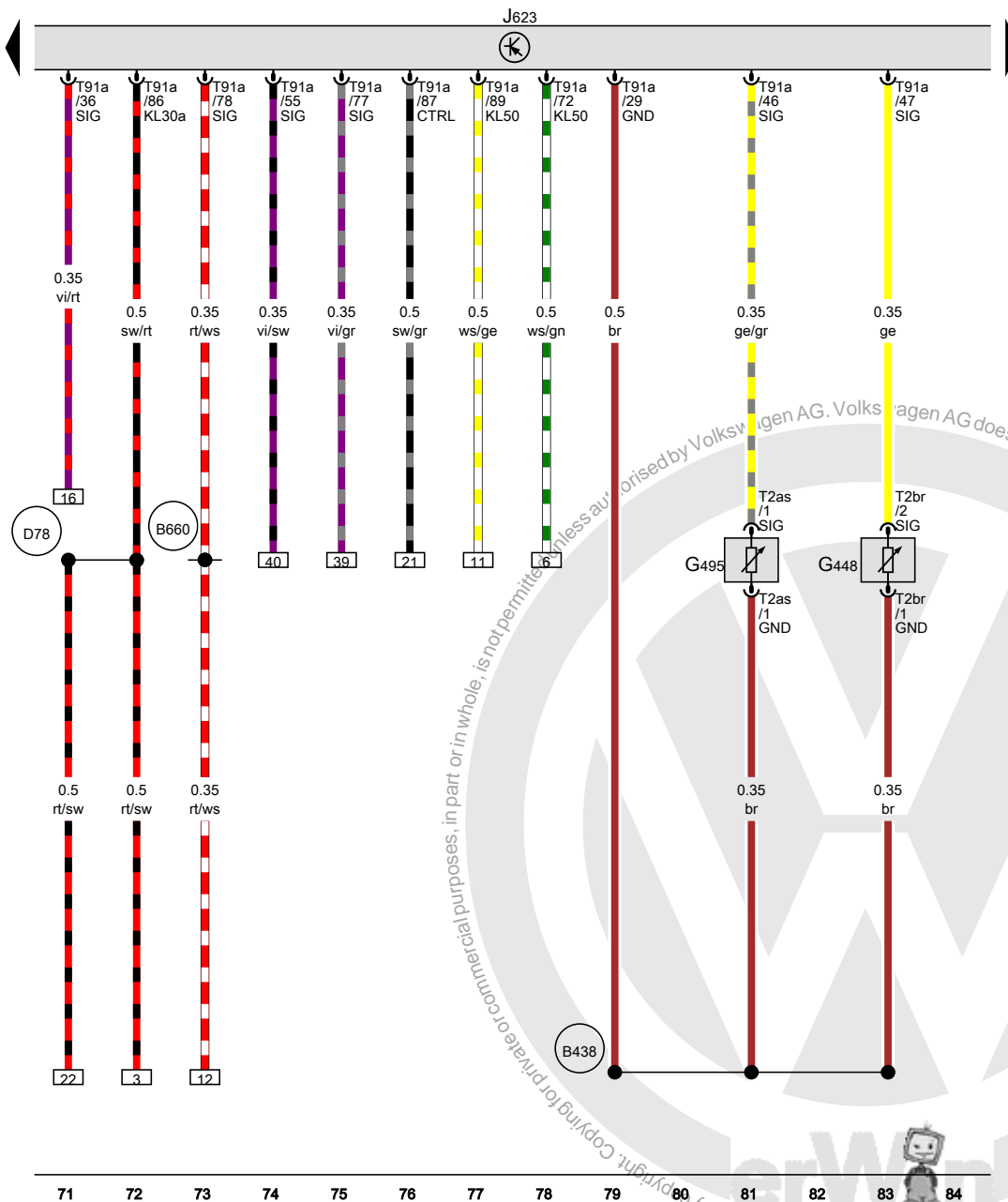
- J359 Low heat output relay
- J963 Relay for reducing agent metering system
- SC Fuse holder C, in interior, in front left in footwell
- SC1 Fuse 1 on fuse holder C
- SR1 Relay and fuse carrier 1
- SC20 Fuse 20 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- S379 Auxiliary air heating fuse
- D182 Connection 3 (87a), in engine compartment wiring harness

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Switch module 1 in centre console, Onboard supply control unit, Engine/motor control unit

- EX23 Switch module 1 in centre console
- E693 Start/Stop operation button
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- T10ks 10-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- T91a 91-pin connector, black
- 201 Earth connection 5, in engine compartment wiring harness
- 278 Earth connection 4, in interior wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 810 Earth point on central tube for dash panel, centre left
- 811 Earth point on central tube for dash panel, centre right
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- D202 Connection 6 (87a), in engine compartment wiring harness
- * For left-hand drive models
- *2 For right-hand drive models



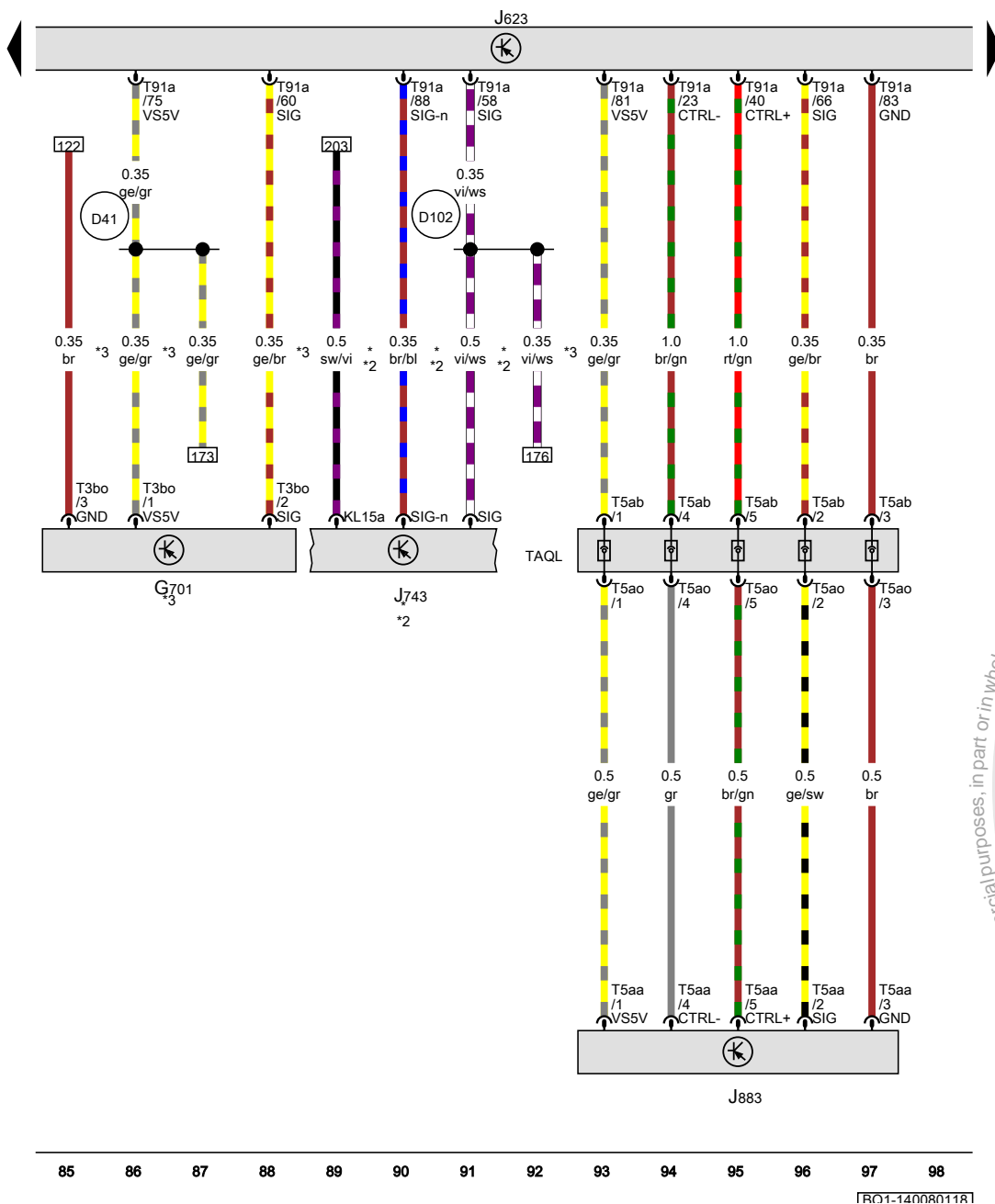
Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Engine/motor control unit

- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- J623 Engine/motor control unit
- T2as 2-pin connector, brown
- T2br 2-pin connector, black
- T91a 91-pin connector, black

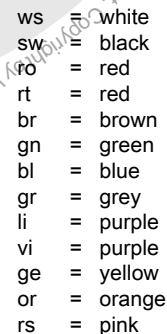
- (B438) Connection 2 (GND (earth)), in main wiring harness
- (B660) Connection (diagnosis terminal 50), in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

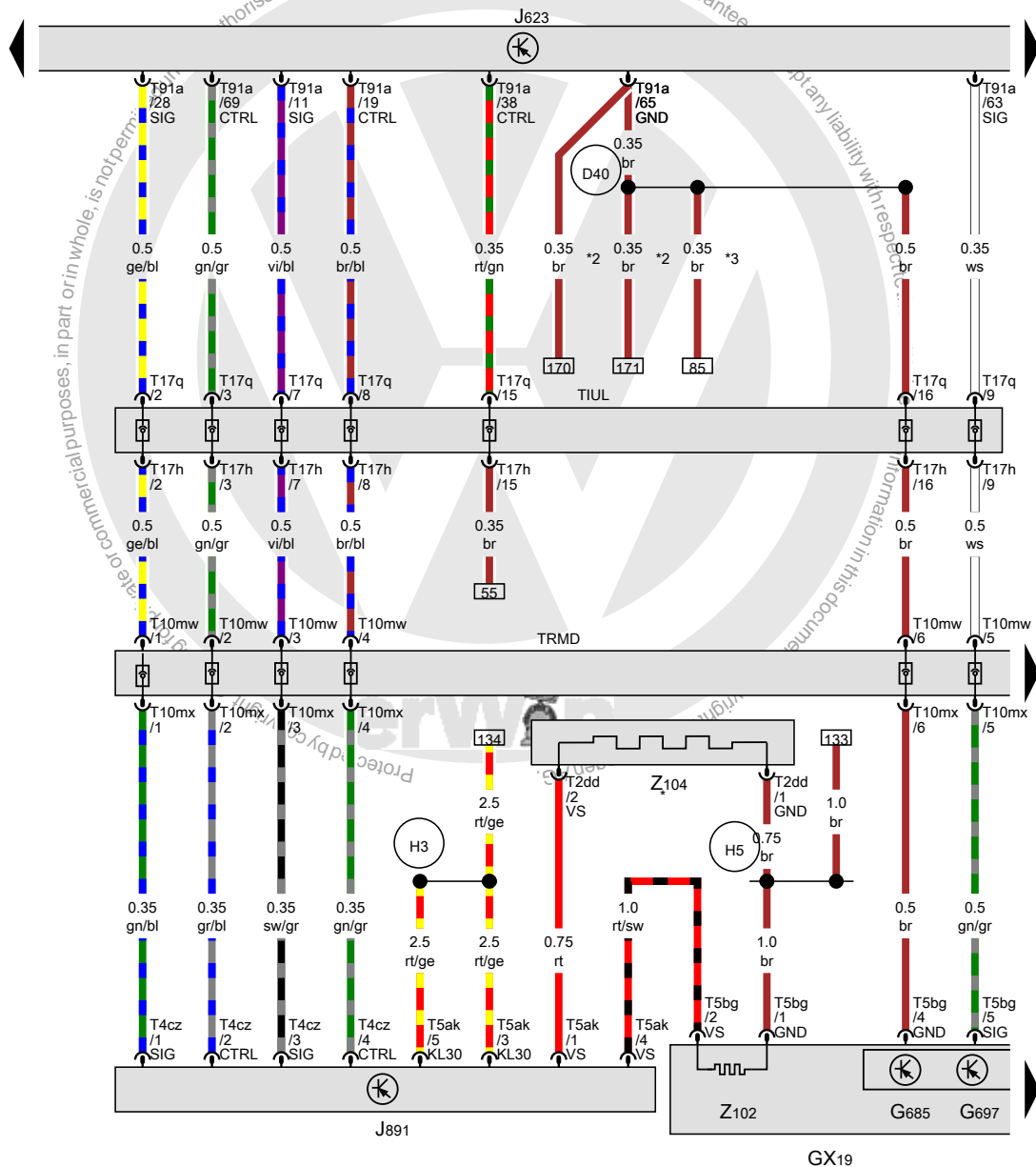
Engine/motor control unit, Mechatronic unit for dual clutch gearbox, Exhaust flap control unit



- G701 Gearbox neutral position sender
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- J883 Exhaust flap control unit
- T3bo 3-pin connector, black
- T5aa 5-pin connector, black
- T5ab 5-pin connector, brown
- T5ao 5-pin connector, brown
- T91a 91-pin connector, black
- TAQL Coupling point on rear cross member, left
- D41 Connection 3, in engine prewiring harness
- D102 Connection 2 in engine compartment wiring harness
- *2 For models with dual clutch gearbox (DSG)
- *3 see applicable current flow diagram for dual clutch gearbox
- *3 For models with manual gearbox



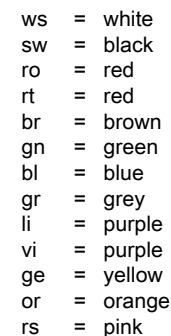
317	Earth connection 7, in engine compartment wiring harness
B385	Connection 3 (powertrain CAN bus, high), in main wiring harness
B392	Connection 3 (powertrain CAN bus, low), in main wiring harness
D197	Connection 5 (87a), in engine compartment wiring harness
*	Pre-wired component
*2	see applicable current flow diagram for radiator fan
*3	For models with manual gearbox



Delivery unit for reducing agent metering system, Temperature sender for reducing agent, Reducing agent level sender, Engine/motor control unit, Control unit for reducing agent heater, Heater for reducing agent tank (heater circuit 1), Heater for reducing agent line (heater circuit 2)

- GX19 Delivery unit for reducing agent metering system
 - G685 Temperature sender for reducing agent
 - G697 Reducing agent level sender
 - J623 Engine/motor control unit
 - J891 Control unit for reducing agent heater
 - T2dd 2-pin connector, black
 - T4cz 4-pin connector, black
 - T5ak 5-pin connector, colourless
 - T5bg 5-pin connector, black
 - T10mw 10-pin connector, black
 - T10mx 10-pin connector, black
 - T17h 17-pin connector, green
 - T17q 17-pin connector, green
 - T91a 91-pin connector, black
 - TIUL Coupling point in interior, below left
 - TRMD Coupling point for reducing agent metering system
 - Z102 Heater for reducing agent tank (heater circuit 1)
 - Z104 Heater for reducing agent line (heater circuit 2)
- (D40) Connection 2, in engine prewiring harness
- (H3) Connection 1 in wiring harness for reducing agent tank
- (H5) Connection 3 in wiring harness for reducing agent tank
- * Heater for reducing agent line can comprise multiple sections
- *2 According to equipment
- *3 For models with manual gearbox

ws = white
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 or = orange
 rs = pink



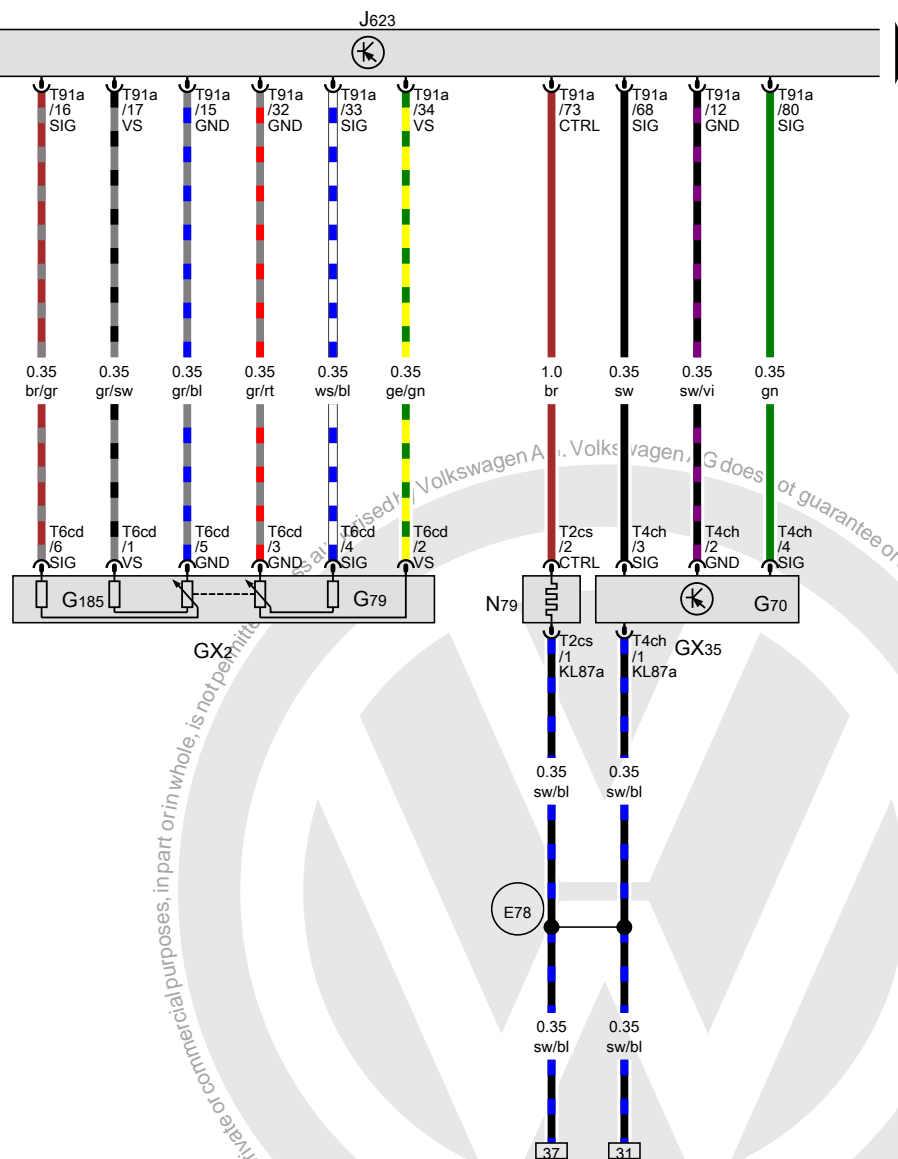
(A189) Positive connection 5 (30a) in dash panel wiring harness

(H4) Connection 2 in wiring harness for reducing agent tank

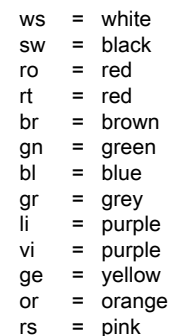
Accelerator pedal module, Air mass measurement module, Engine/motor control unit, Heater element for crankcase breather

- GX2 Accelerator pedal module
- GX35 Air mass measurement module
- G70 Air mass meter
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- N79 Heater element for crankcase breather
- T2cs 2-pin connector, black
- T4ch 4-pin connector, black
- T6cd 6-pin connector, black
- T91a 91-pin connector, black

E78 Connection 2 (87a) in engine wiring harness

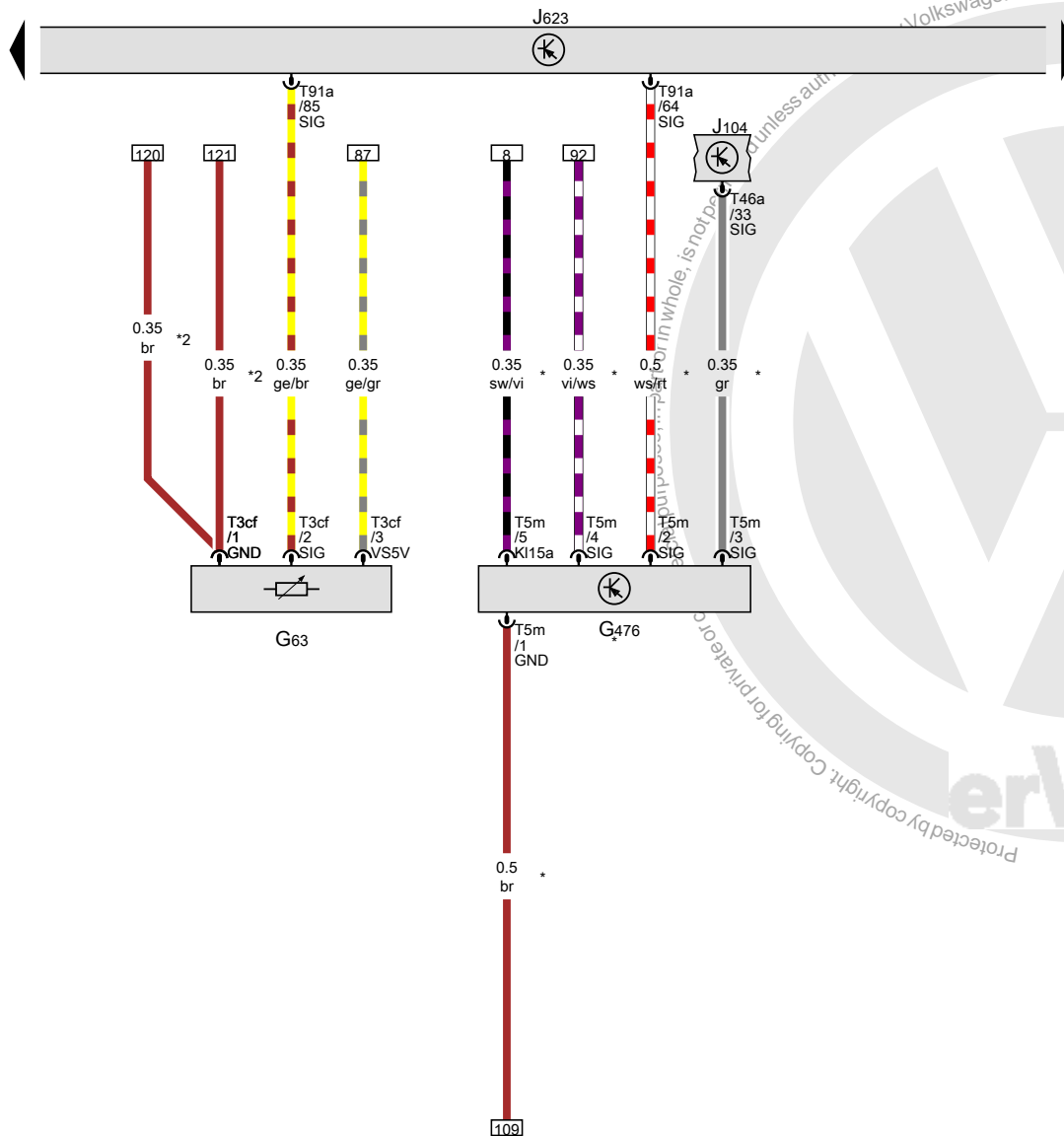


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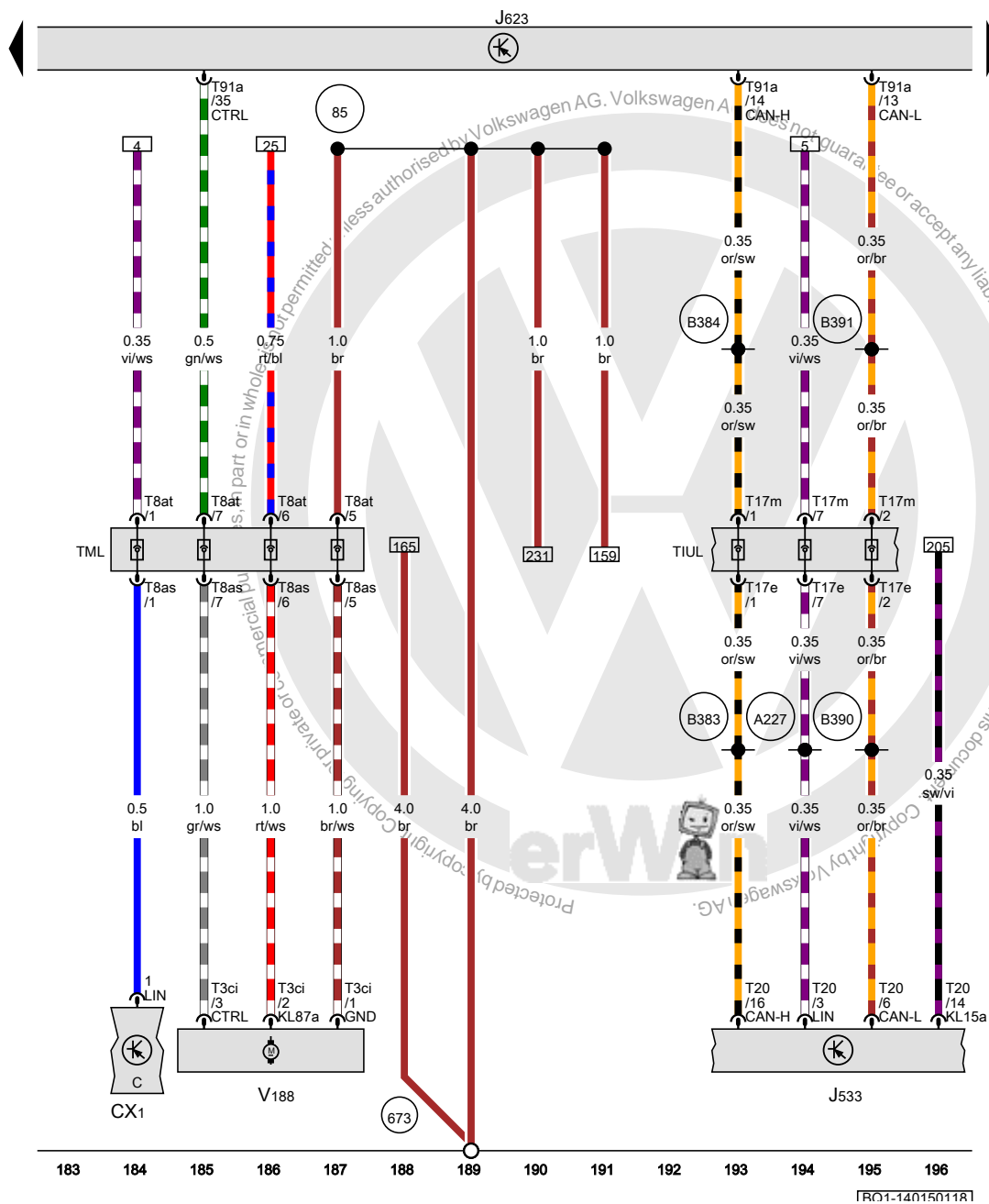


F	Brake light switch
G266	Oil level and oil temperature sender
J623	Engine/motor control unit
T3cd	3-pin connector, black
T3cg	3-pin connector, black
T4bc	4-pin connector, black
T10kv	10-pin connector, black
T10kw	10-pin connector, black
T91a	91-pin connector, black
TML	Coupling point in engine compartment, left
V488	Auxiliary pump for heating
131	Earth connection 2, in engine compartment wiring harness
179	Earth connection, in left headlight wiring harness

Water separator sender, ABS control unit, Engine/motor control unit



- G63 Water separator sender
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine/motor control unit
- T3cf 3-pin connector, black
- T5m 5-pin connector, black
- T46a 46-pin connector, black
- T91a 91-pin connector, black
- * For models with manual gearbox
- *2 According to equipment

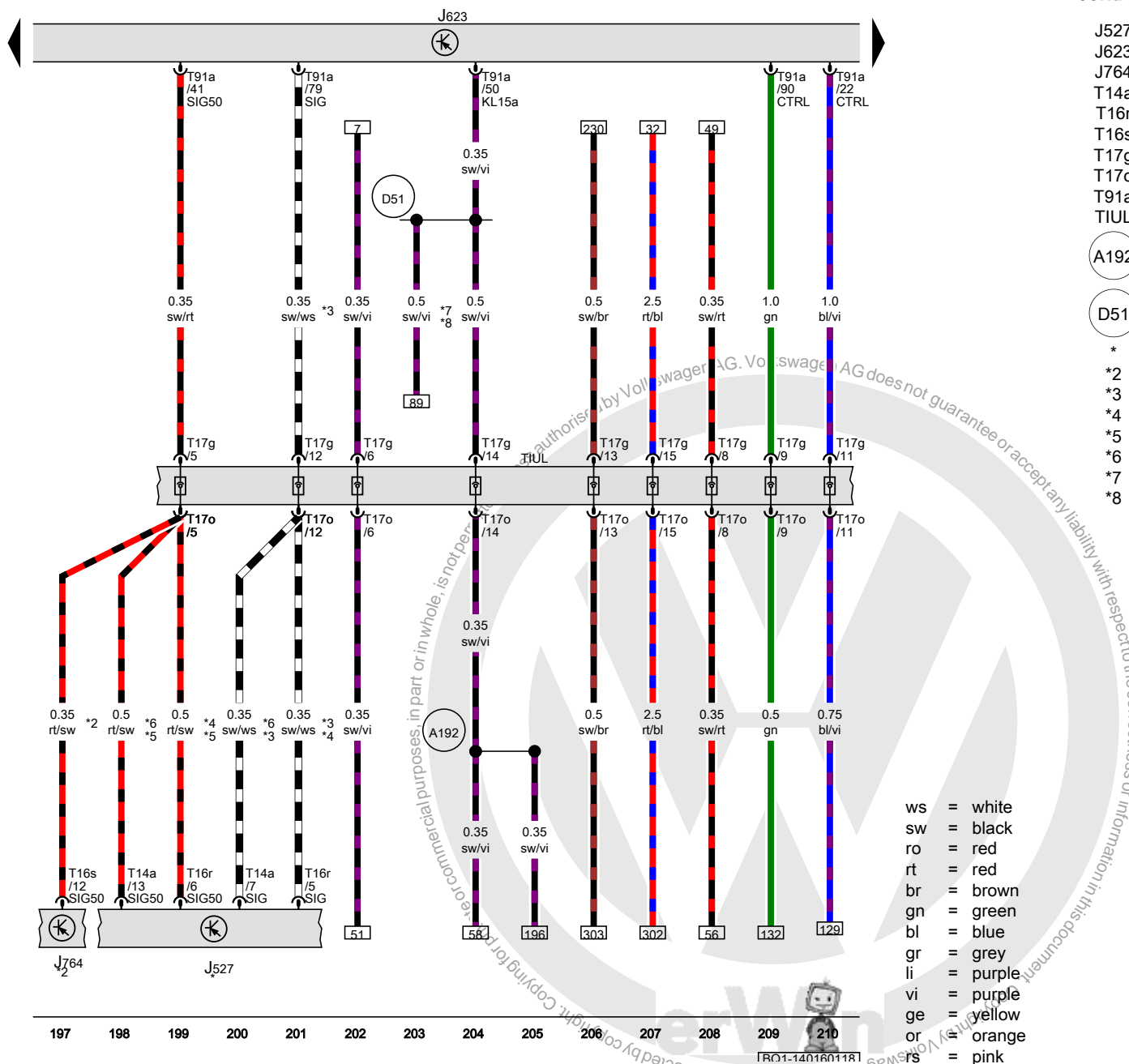


Alternator with voltage regulator, Data bus diagnostic interface, Engine/motor control unit, Charge air cooling pump

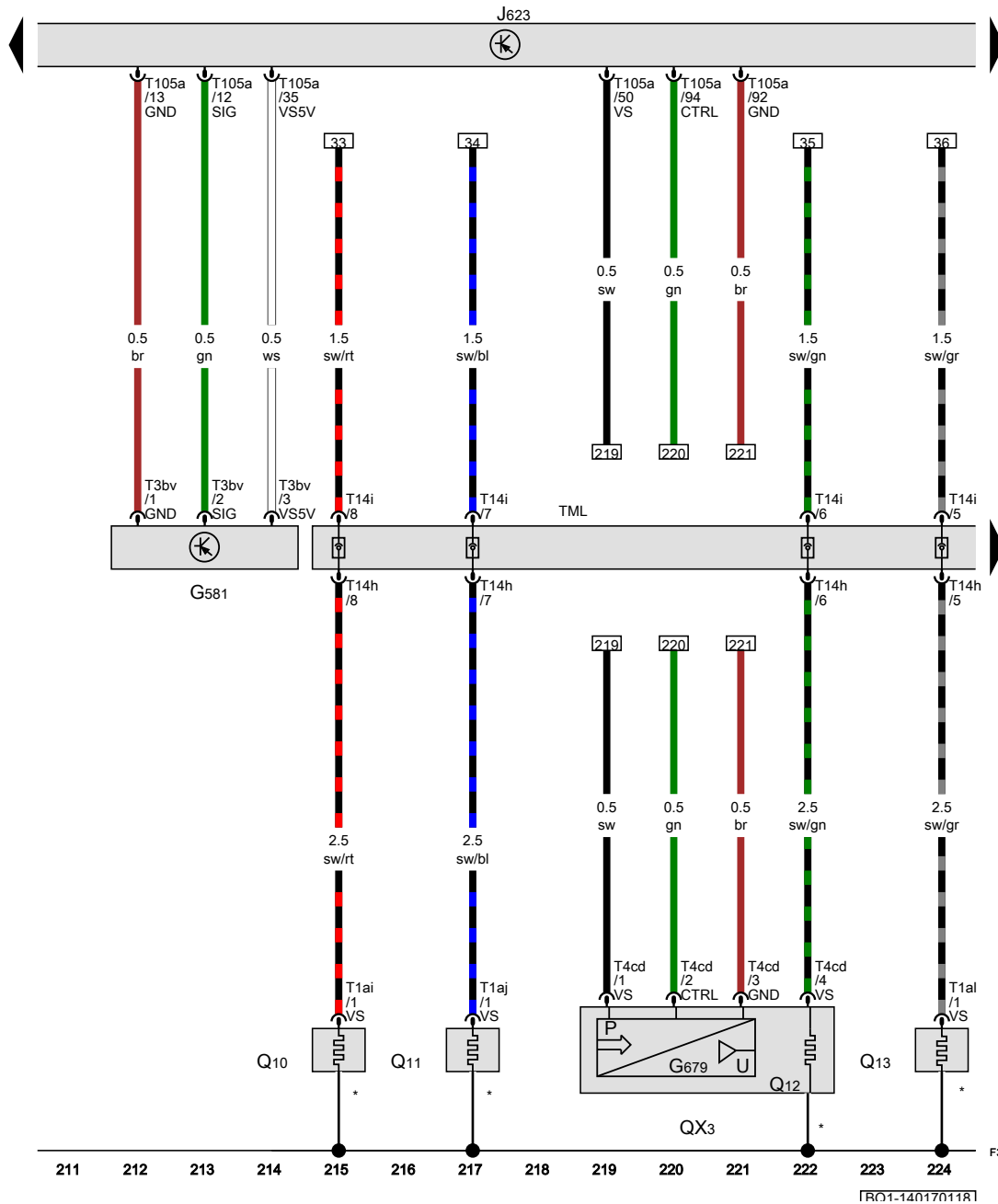
- C Alternator
- CX1 Alternator with voltage regulator
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T3ci 3-pin connector, black
- T8as 8-pin connector, black
- T8at 8-pin connector, black
- T17e 17-pin connector, brown
- T17m 17-pin connector, brown
- T20 20-pin connector, red
- T91a 91-pin connector, black
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- V188 Charge air cooling pump
- 85 Earth connection 1, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A227 Connection 2 (LIN bus) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

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Steering column electronics control unit, Engine/motor control unit, Control unit for electronic steering column lock

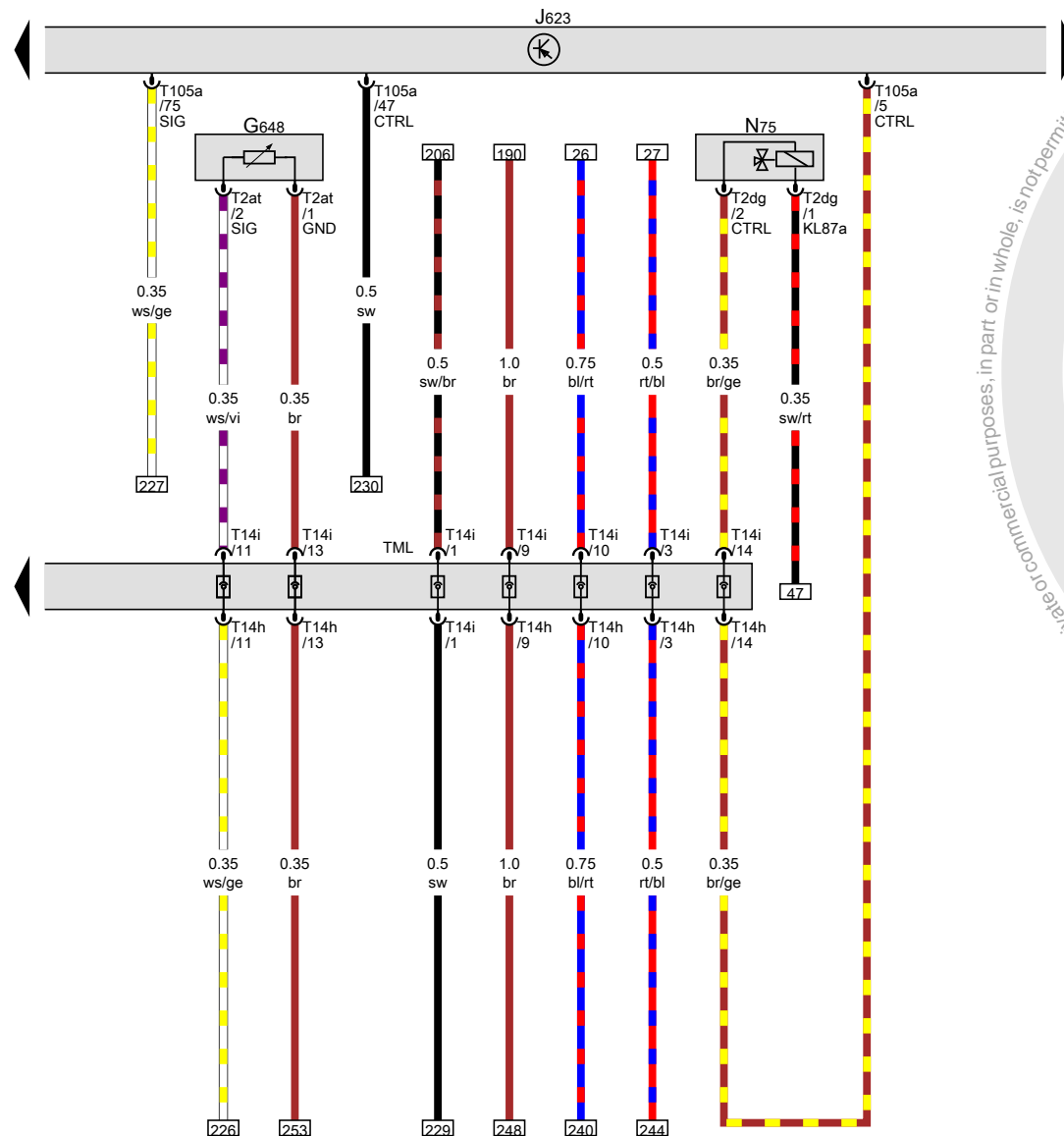


- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- J764 Control unit for electronic steering column lock
- T14a 14-pin connector, black
- T16r 16-pin connector, black
- T16s 16-pin connector, black
- T17g 17-pin connector, blue
- T17o 17-pin connector, blue
- T91a 91-pin connector, black
- TIUL Coupling point in interior, below left
- A192 Positive connection 3 (15a) in dash panel wiring harness
- D51 Positive connection 1 (15), in engine compartment wiring harness
- * see applicable current flow diagram
- *2 For models with entry and start authorisation
- *3 For models with cruise control system (CCS)
- *4 For models with no heated steering wheel
- *5 For models with no entry and start authorisation
- *6 For models with heated steering wheel
- *7 For models with dual clutch gearbox (DSG)
- *8 see applicable current flow diagram for dual clutch gearbox



Position sender for charge pressure positioner, Engine/motor control unit, Glow plug 3, Glow plug 1, Glow plug 2, Glow plug 4

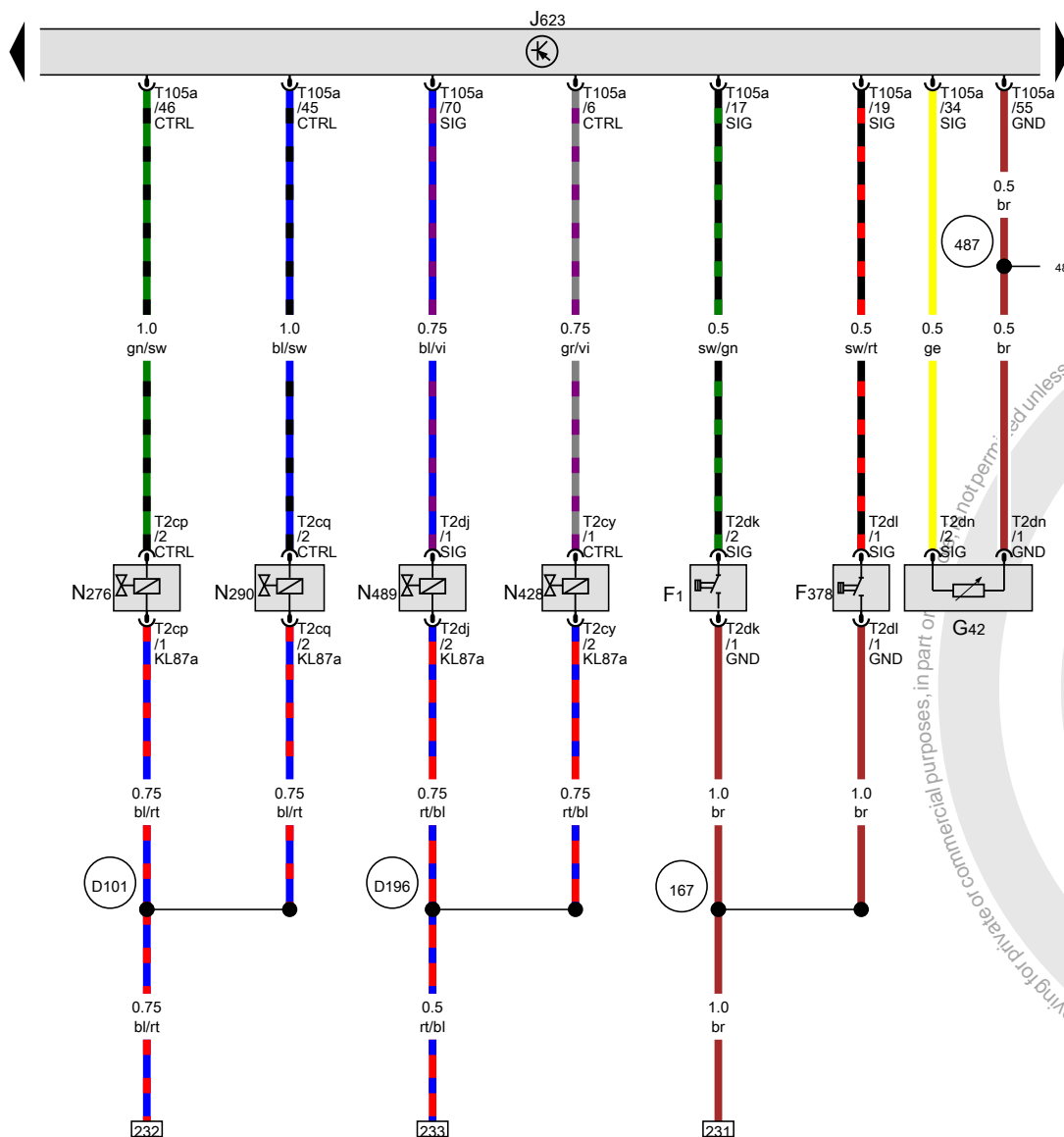
- G581 Position sender for charge pressure positioner
- G679 Cylinder 3 combustion chamber pressure sender
- J623 Engine/motor control unit
- QX3 Glow plug 3
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T1ai 1-pin connector, black
- T1aj 1-pin connector, black
- T1al 1-pin connector, black
- T3bv 3-pin connector, brown
- T4cd 4-pin connector, black
- T4fm 4-pin connector, black
- T4fn 4-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T105a 105-pin connector, black
- TML Coupling point in engine compartment, left
- * Earth supply via housing



Exhaust gas temperature sender 4, Engine/motor control unit, Charge pressure control solenoid valve

- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- N75 Charge pressure control solenoid valve
- T2at 2-pin connector, colourless
- T2dg 2-pin connector, black
- T14h 14-pin connector, grey
- T14i 14-pin connector, grey
- T105a 105-pin connector, black
- TML Coupling point in engine compartment, left

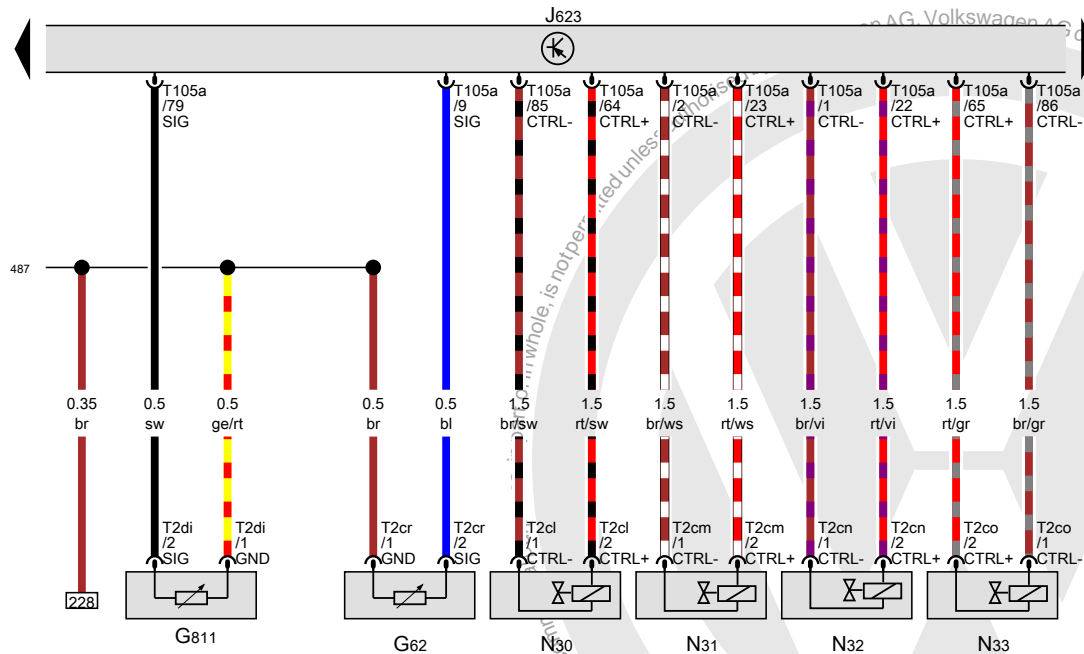
- ws = white
- sw = black
- ro = red
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- rs = pink



Oil pressure switch, Oil pressure switch for reduced oil pressure, Engine/motor control unit, Fuel pressure regulating valve, Fuel metering valve, Valve for oil pressure control, Coolant valve for cylinder head

- F1 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G42 Intake air temperature sender
- J623 Engine/motor control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- N428 Valve for oil pressure control
- N489 Coolant valve for cylinder head
- T2cp 2-pin connector, black
- T2cq 2-pin connector, black
- T2cy 2-pin connector, black
- T2dj 2-pin connector, brown
- T2dk 2-pin connector, red
- T2dl 2-pin connector, black
- T2dn 2-pin connector, black
- T105a 105-pin connector, black
- 167 Earth connection 4, in engine compartment wiring harness
- 487 Earth point 5, engine prewiring harness
- D101 Connection 1 in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
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Coolant temperature sender, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

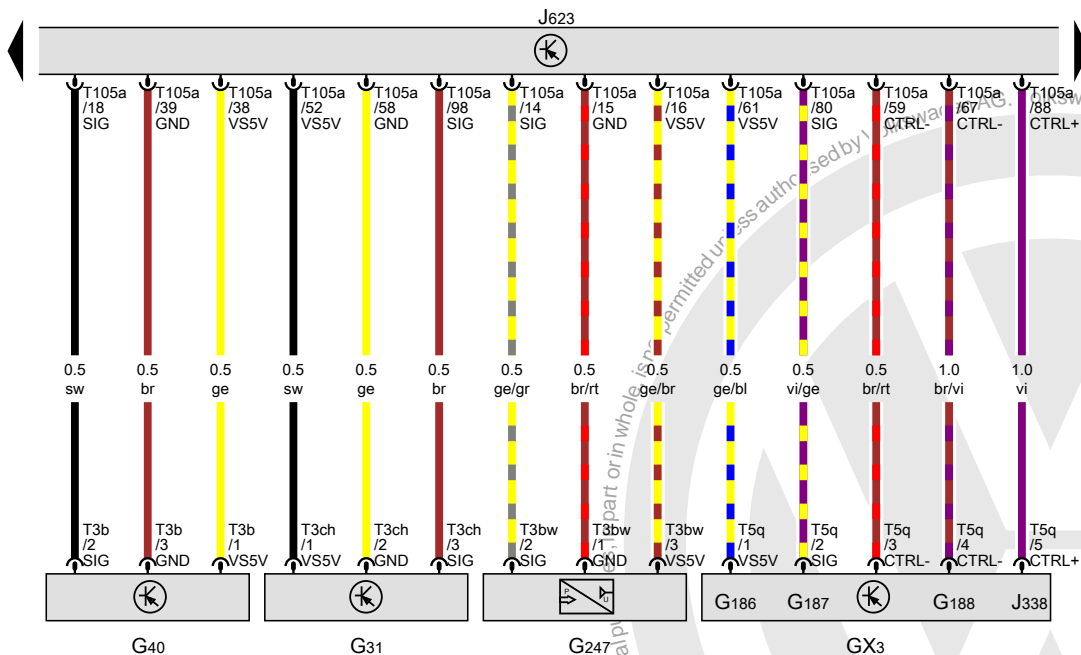
- G62 Coolant temperature sender
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cl 2-pin connector, black
- T2cm 2-pin connector, black
- T2cn 2-pin connector, black
- T2co 2-pin connector, black
- T2cr 2-pin connector, black
- T2di 2-pin connector, black
- T105a 105-pin connector, black
- 487 Earth point 5, engine prewiring harness

ws = white
 sw = black
 ro = red
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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
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253 254 255 256 257 258 259 260 261 262 263 264 265 266

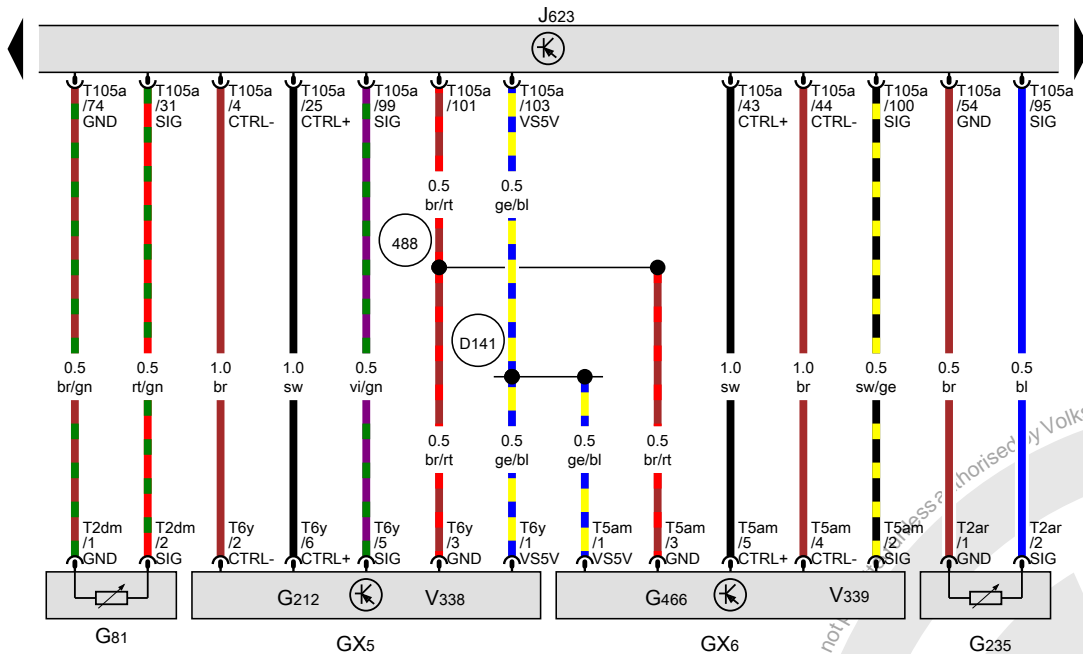
1RC01-1402001181

Throttle valve module, Charge pressure sender, Hall sender, Fuel pressure sender, Engine/motor control unit



- GX3 Throttle valve module
- G31 Charge pressure sender
- G40 Hall sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine/motor control unit
- T3b 3-pin connector, black
- T3bw 3-pin connector, black
- T3ch 3-pin connector, black
- T5q 5-pin connector, black
- T105a 105-pin connector, black

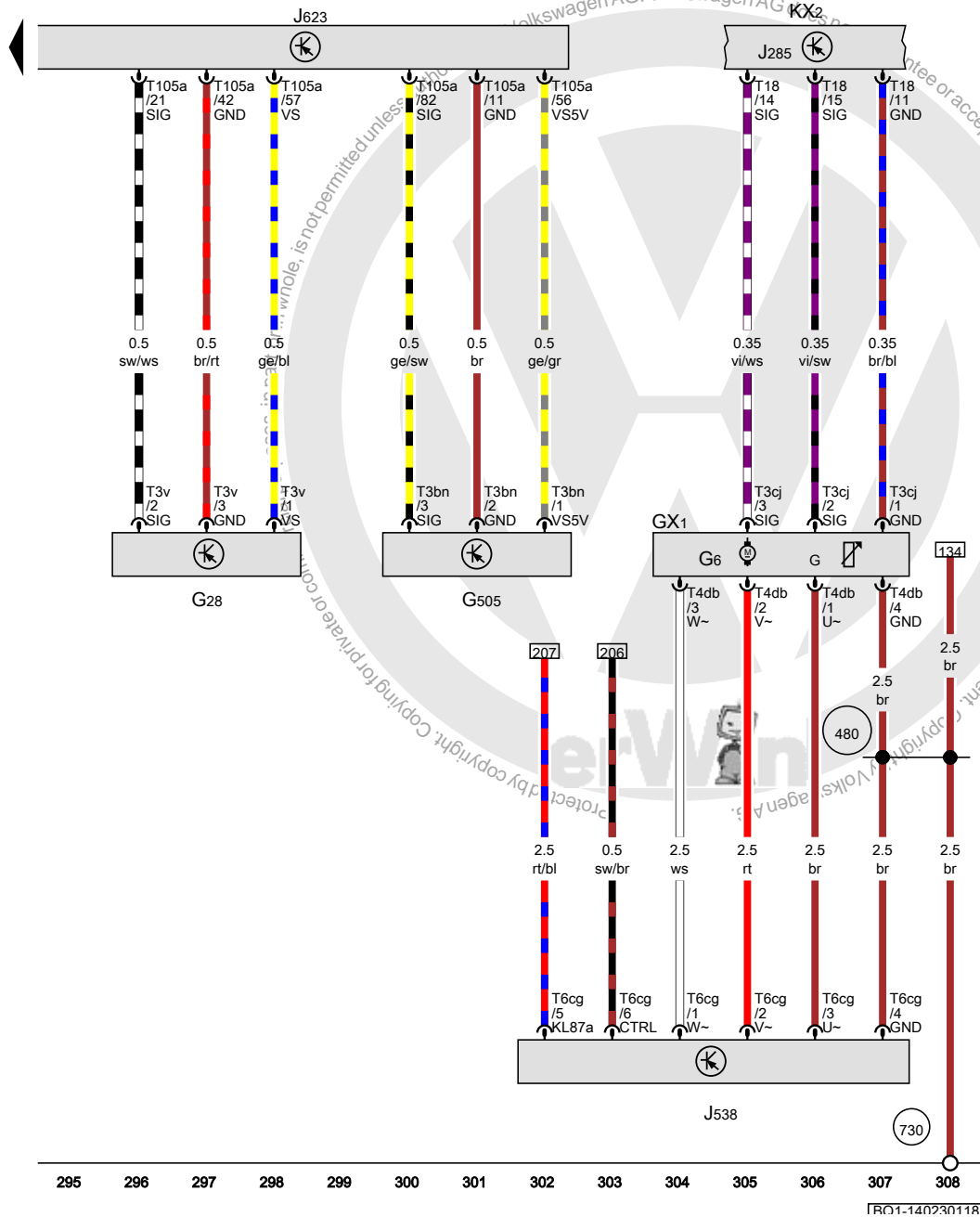
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Exhaust gas recirculation valve 1, Exhaust gas recirculation valve 2, Exhaust gas temperature sender 1, Engine/motor control unit

- GX5 Exhaust gas recirculation valve 1
- GX6 Exhaust gas recirculation valve 2
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G235 Exhaust gas temperature sender 1
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine/motor control unit
- T2ar 2-pin connector, black
- T2dm 2-pin connector, black
- T5am 5-pin connector, black
- T6y 6-pin connector, grey
- T105a 105-pin connector, black
- V338 Exhaust gas recirculation control motor
- V339 Exhaust gas recirculation control motor 2
- 488 Earth point 6, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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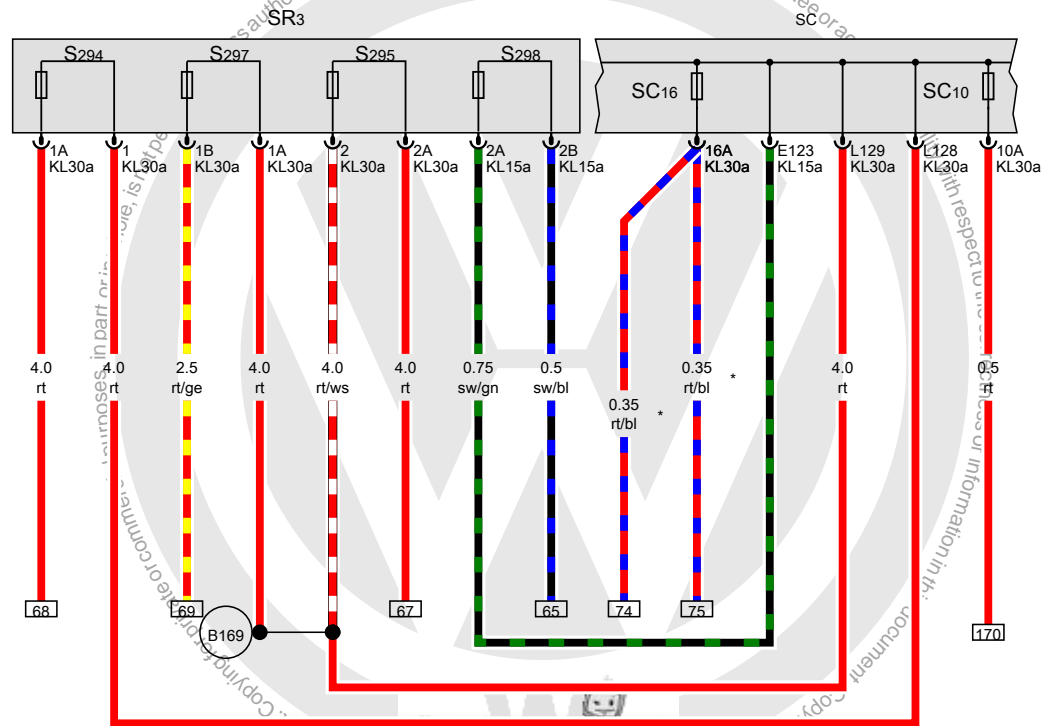
Fuel delivery unit, Engine speed sender, Pressure differential sender, Control unit in dash panel insert, Fuel pump control unit, Engine/motor control unit, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- G28 Engine speed sender
- G505 Pressure differential sender
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- KX2 Dash panel insert
- T3bn 3-pin connector, black
- T3cj 3-pin connector, black
- T3v 3-pin connector, black
- T4db 4-pin connector, brown
- T6cg 6-pin connector, brown
- T18 18-pin connector, black
- T105a 105-pin connector, black
- 480 Earth connection, in fuel tank wiring harness
- 730 Earth point 1, on right rear wheel housing

Special vehicle interface , (F6T)

From April 2018

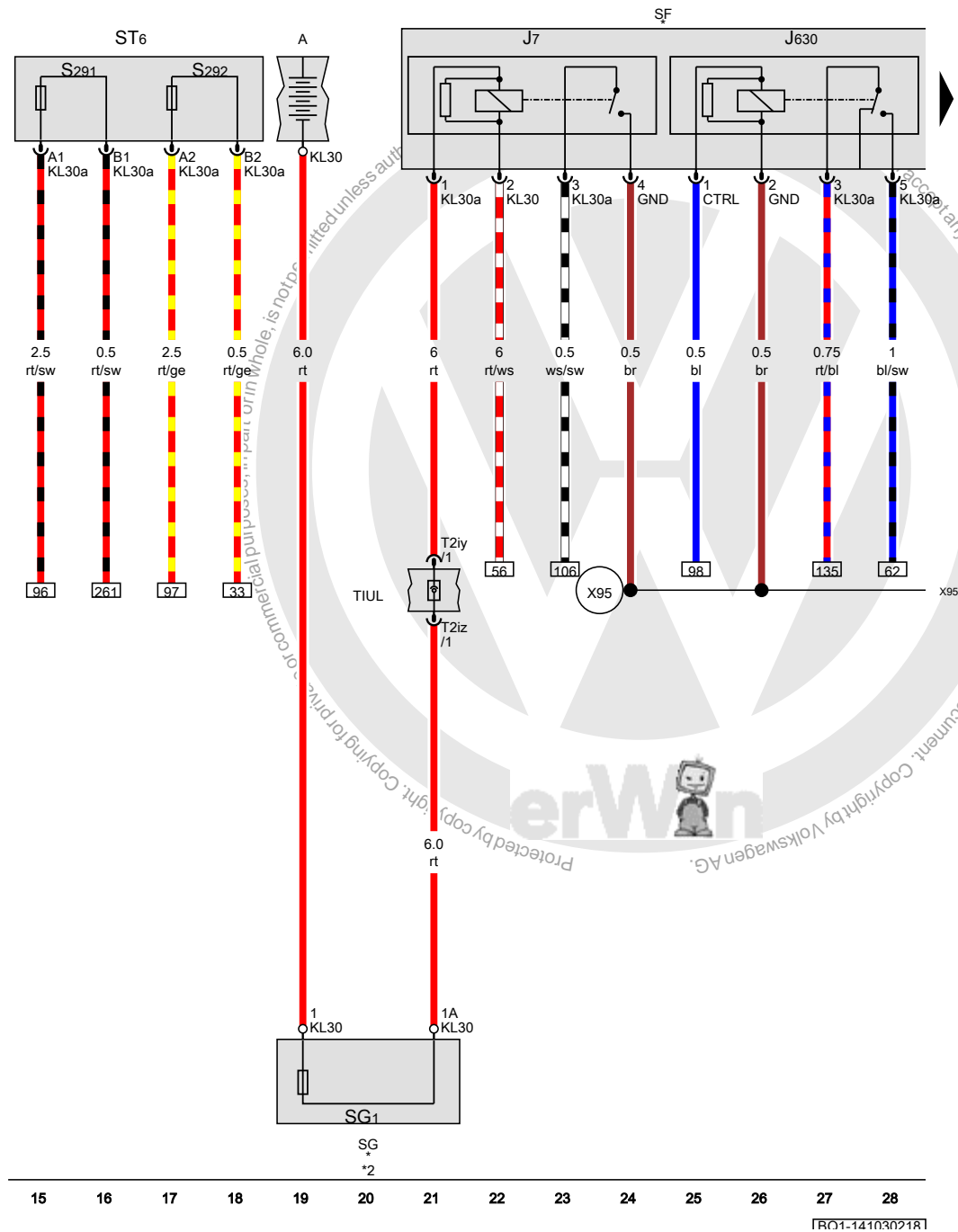




Fuse holder C, Relay and fuse carrier 3

- SC Fuse holder C
- SR3 Relay and fuse carrier 3
- SC10 Fuse 10 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- S294 Special vehicle fuse 4
- S295 Special vehicle fuse 5
- S297 Special vehicle fuse 7
- S298 Special vehicle fuse 8
- B169 Positive connection 1 (30), in interior wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
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- gr = grey
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Battery, Fuse holder F, Fuse holder G, Fuse carrier 6

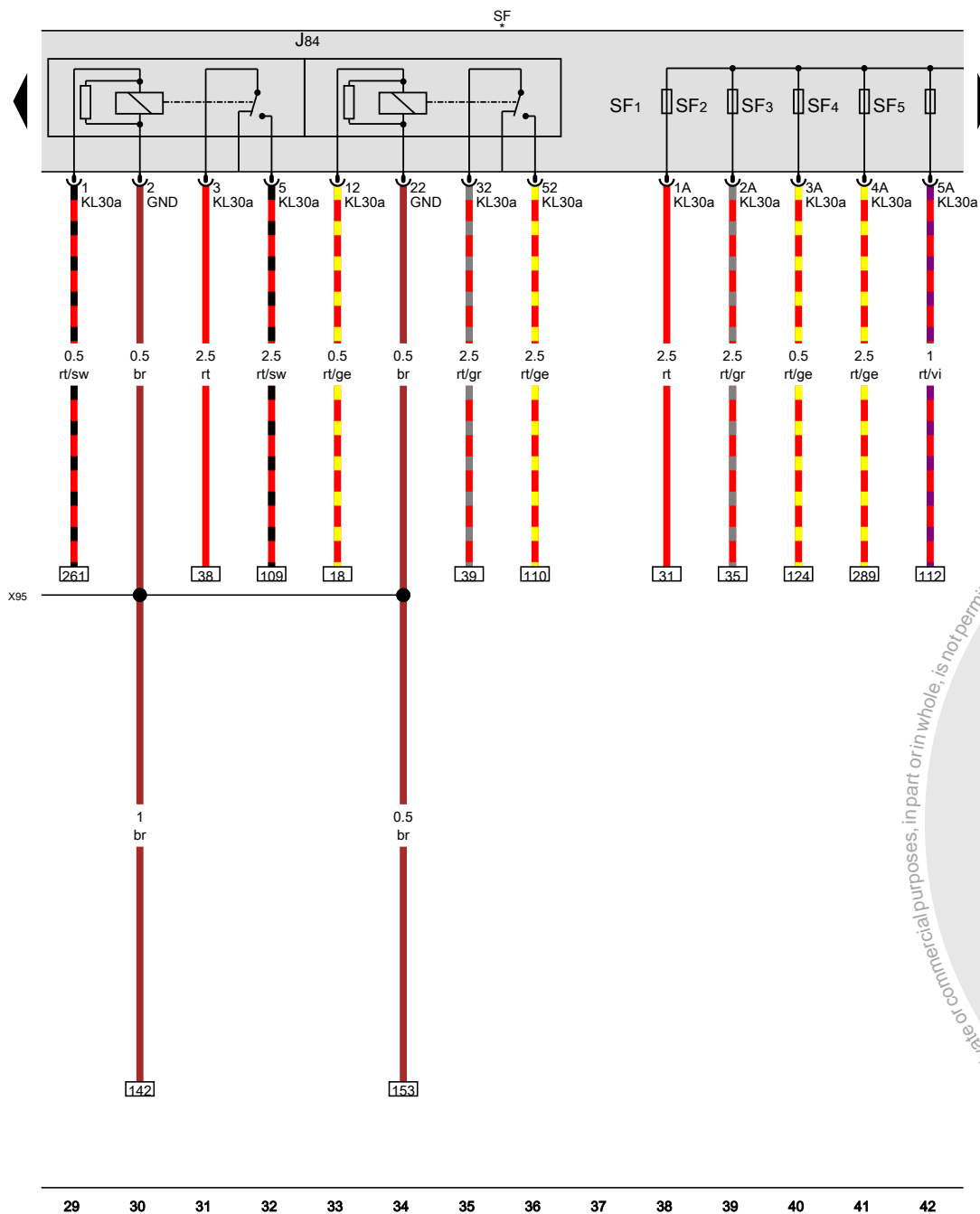
- A Battery, in engine compartment
- J7 Battery isolation relay
- J630 Flashing lights relay
- SF Fuse holder F, in luggage compartment, in spare wheel well
- SG Fuse holder G, on left in engine compartment near headlight
- SG1 Fuse 1 on fuse holder G
- ST6 Fuse carrier 6, under front passenger seat
- S291 Special vehicle fuse 1
- S292 Special vehicle fuse 2
- T2iy 2-pin connector, black
- T2iz 2-pin connector, black
- TIUL Coupling point in interior, below left

X95 Connection 1 (siren), in optional equipment wiring harness

* see installation description for special equipment

*2 Connection for fuse carrier

- ws = white
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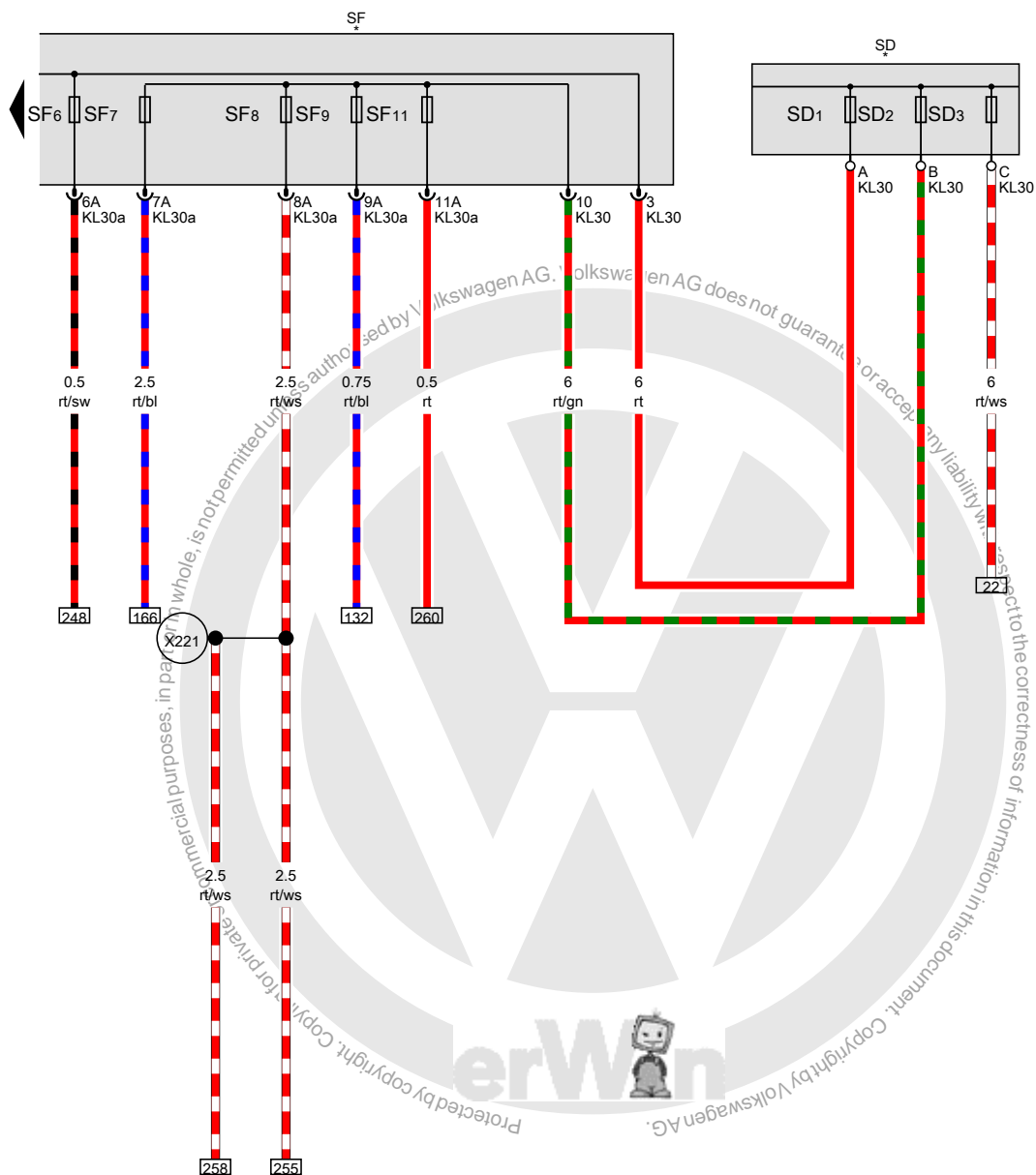


Fuse holder F

- J84 Two-way radio voltage relay
- SF Fuse holder F, in luggage compartment, in spare wheel well
- SF1 Fuse 1 in fuse holder F
- SF2 Fuse 2 in fuse holder F
- SF3 Fuse 3 in fuse holder F
- SF4 Fuse 4 in fuse holder F
- SF5 Fuse 5 in fuse holder F

X95 Connection 1 (siren), in optional equipment wiring harness

* see installation description for special equipment



Fuse holder D, Fuse holder F

- SD Fuse holder D, in luggage compartment, in spare wheel well
- SD1 Fuse 1 on fuse holder D
- SD2 Fuse 2 on fuse holder D
- SD3 Fuse 3 on fuse holder D
- SF Fuse holder F, in luggage compartment, in spare wheel well
- SF6 Fuse 6 in fuse holder F
- SF7 Fuse 7 in fuse holder F
- SF8 Fuse 8 in fuse holder F
- SF9 Fuse 9 in fuse holder F
- SF11 Fuse 11 in fuse holder F

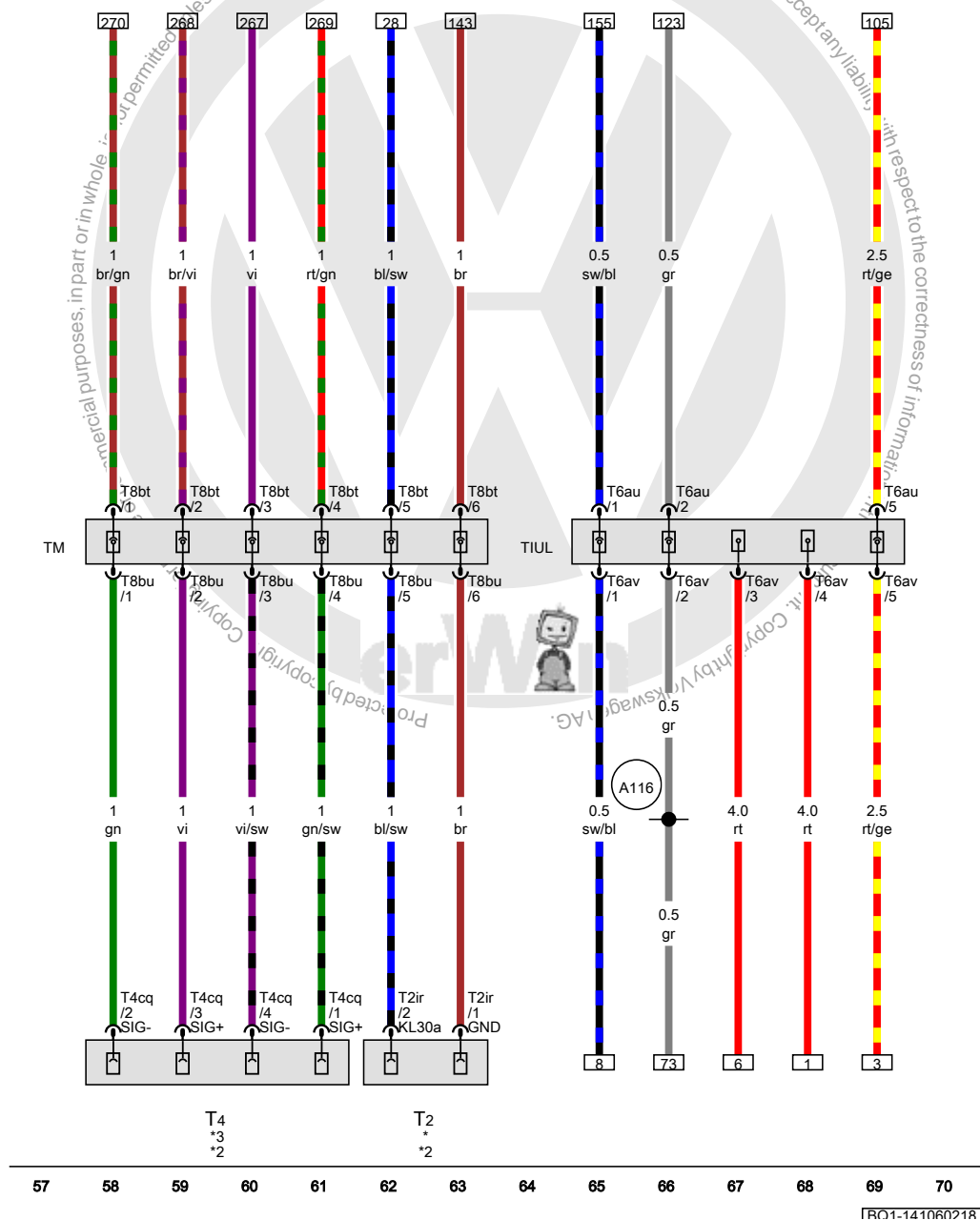
X221 Positive connection 2 (30a) in special vehicle wiring harness

* see installation description for special equipment

- ws = white
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- vi = purple
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- or = orange
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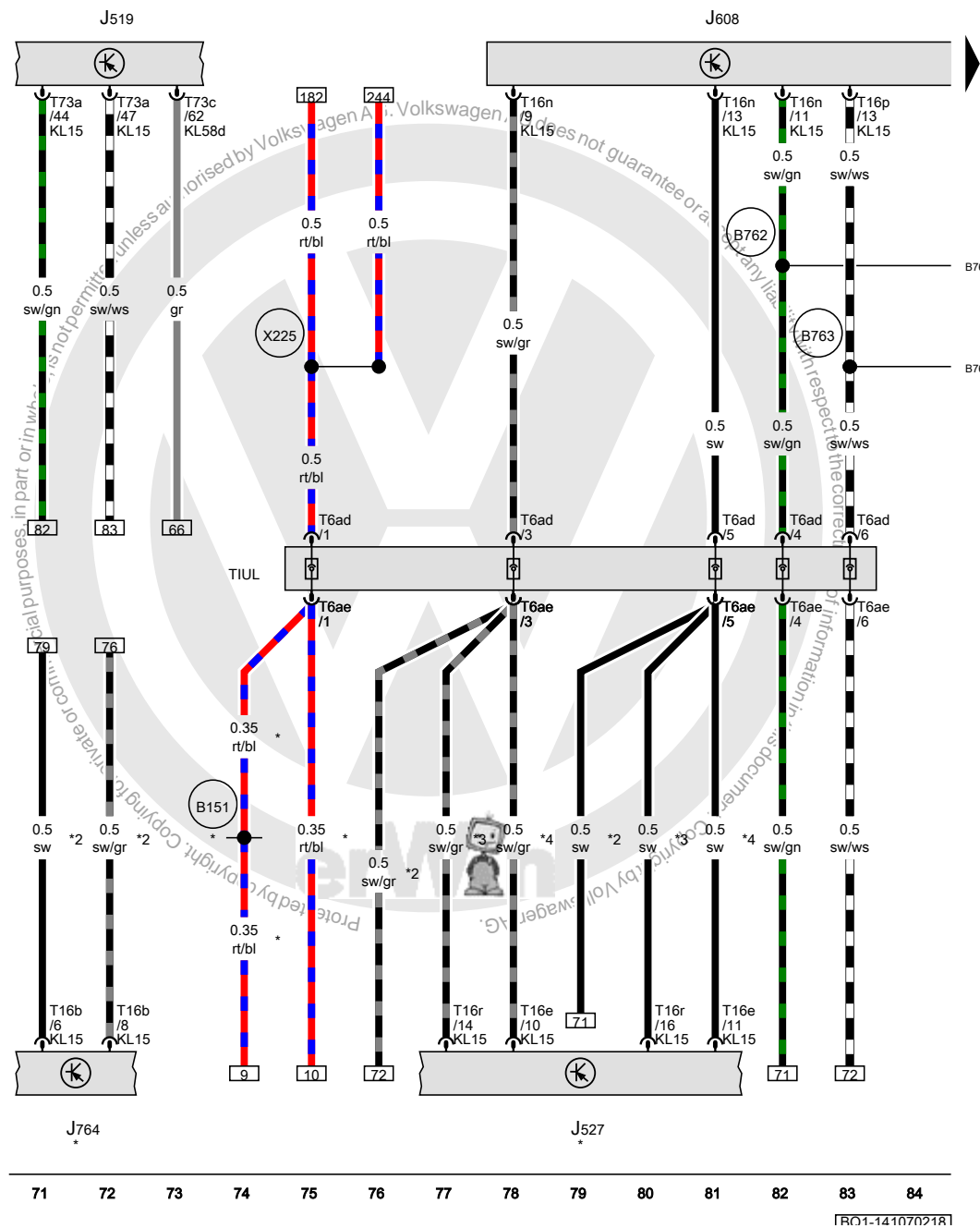
2-pin connector, 4-pin connector

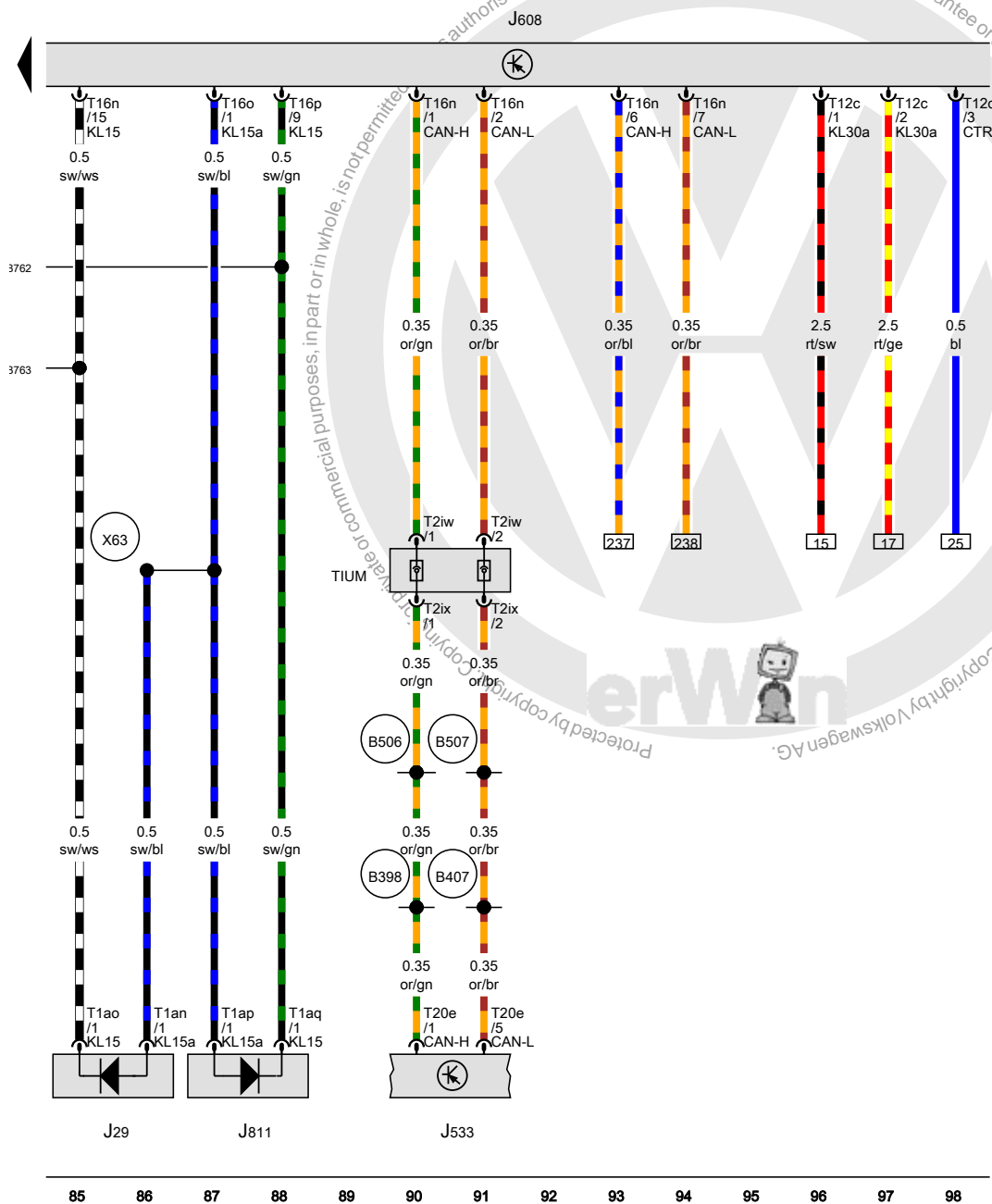
- T2 2-pin connector, front left in engine compartment
- T2ir 2-pin connector, black
- T4 4-pin connector, front left in engine compartment
- T4cq 4-pin connector, black
- T6au 6-pin connector, black
- T6av 6-pin connector, black
- T8bt 8-pin connector, black
- T8bu 8-pin connector, black
- TIUL Coupling point in interior, below left, on lower section of left A-pillar
- TM Coupling point in engine compartment
- A116 Connection 2 (58d), in dash panel wiring harness
- * Connection for front flashing light
- *2 see installation description for special equipment
- *3 Connection for pressure chamber loudspeaker



Onboard supply control unit, Steering column electronics control unit, Special vehicle control unit, Control unit for electronic steering column lock

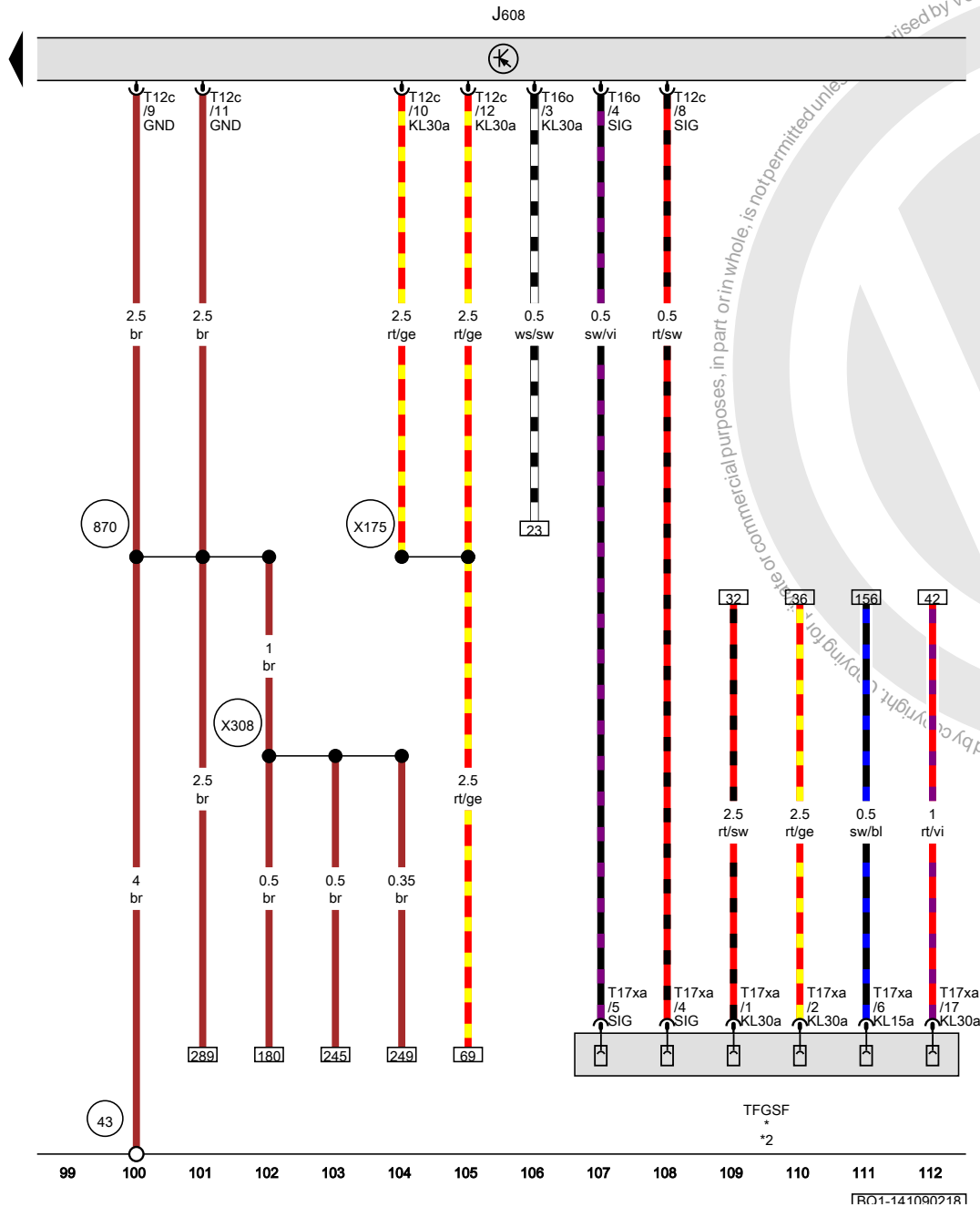
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J608 Special vehicle control unit
- J764 Control unit for electronic steering column lock
- T6ad 6-pin connector, black
- T6ae 6-pin connector, black
- T16b 16-pin connector, black
- T16e 16-pin connector, brown
- T16n 16-pin connector, brown
- T16p 16-pin connector, brown
- T16r 16-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TIUL Coupling point in interior, below left
- (B151) Positive connection 3 (30a), in interior wiring harness
- (B762) Connection 1 (blocking diode), in interior wiring harness
- (B763) Connection 2 (blocking diode), in interior wiring harness
- (X225) Positive connection 6 (30a) in special vehicle wiring harness
- * According to equipment
- *2 For models with "keyless access" locking and starting system
- *3 For models with no heated steering wheel
- *4 For models with heated steering wheel





Blocking diode, Data bus diagnostic interface, Special vehicle control unit, Blocking diode 2

- J29 Blocking diode, on lower section of right A-pillar
- J533 Data bus diagnostic interface
- J608 Special vehicle control unit
- J811 Blocking diode 2, on lower section of right A-pillar
- T1an 1-pin connector, yellow
- T1ao 1-pin connector, yellow
- T1ap 1-pin connector, yellow
- T1aq 1-pin connector, yellow
- T2iw 2-pin connector, black
- T2ix 2-pin connector, black
- T12c 12-pin connector, black
- T16n 16-pin connector, brown
- T16o 16-pin connector, black
- T16p 16-pin connector, brown
- T20e 20-pin connector, red
- TIUM Coupling point in interior, below centre
- B398 Connection 2 (convenience CAN bus, high), in main wiring harness
- B407 Connection 2 (convenience CAN bus, low), in main wiring harness
- B506 Connection (convenience CAN bus, high), in interior wiring harness
- B507 Connection (convenience CAN bus, low), in interior wiring harness
- B762 Connection 1 (blocking diode), in interior wiring harness
- B763 Connection 2 (blocking diode), in interior wiring harness
- X63 Positive connection 1 (15a), in optional equipment wiring harness



Special vehicle control unit, Coupling point for two-way radio in special vehicle

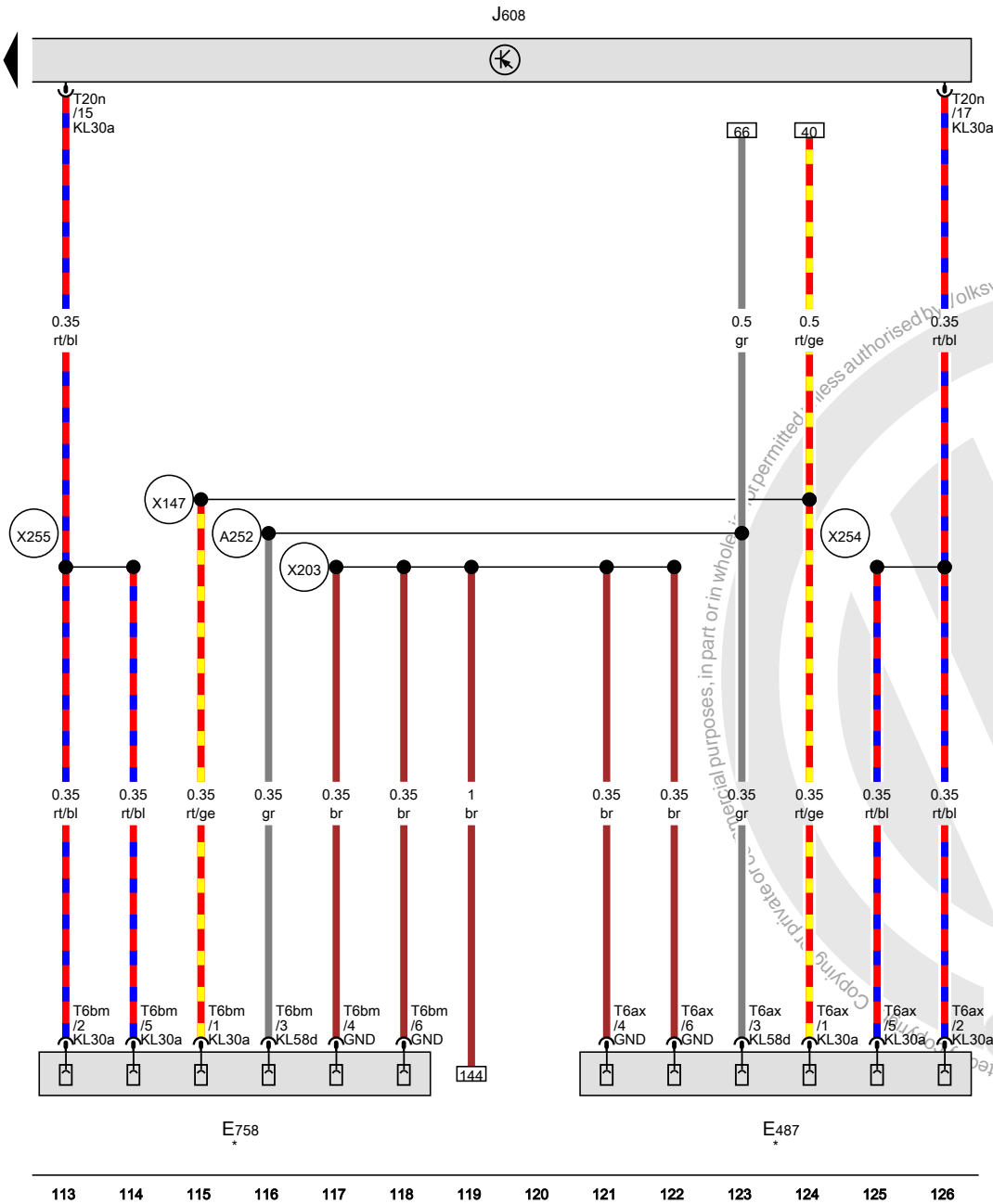
- J608 Special vehicle control unit
- T12c 12-pin connector, black
- T16o 16-pin connector, black
- T17xa 17-pin connector, black
- TFGSF Coupling point for two-way radio in special vehicle, in luggage compartment, in spare wheel well
- 43 Earth point, lower part of right A-pillar
- 870 Earth connection 7 in special vehicle wiring harness
- X175 Positive connection (30a), in optional equipment wiring harness
- X308 Connection 2 (terminal 31a) in special vehicle wiring harness
- * see installation description for special equipment
- *2 According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Hands-free system button, Hands-free system button 2,
Special vehicle control unit

- E487 Hands-free system button, Centre console, rear right
- E758 Hands-free system button 2, Centre console, rear left
- J608 Special vehicle control unit
- T6ax 6-pin connector, black
- T6bm 6-pin connector, black
- T20n 20-pin connector, black

- (A252) Positive connection 3 (58), in special vehicle wiring harness
- (X147) Positive connection 6 (30), in optional equipment wiring harness
- (X203) Connection 10, in optional equipment wiring harness
- (X254) Connection 10 in special vehicle wiring harness
- (X255) Connection 11 in special vehicle wiring harness
- * see installation description for special equipment

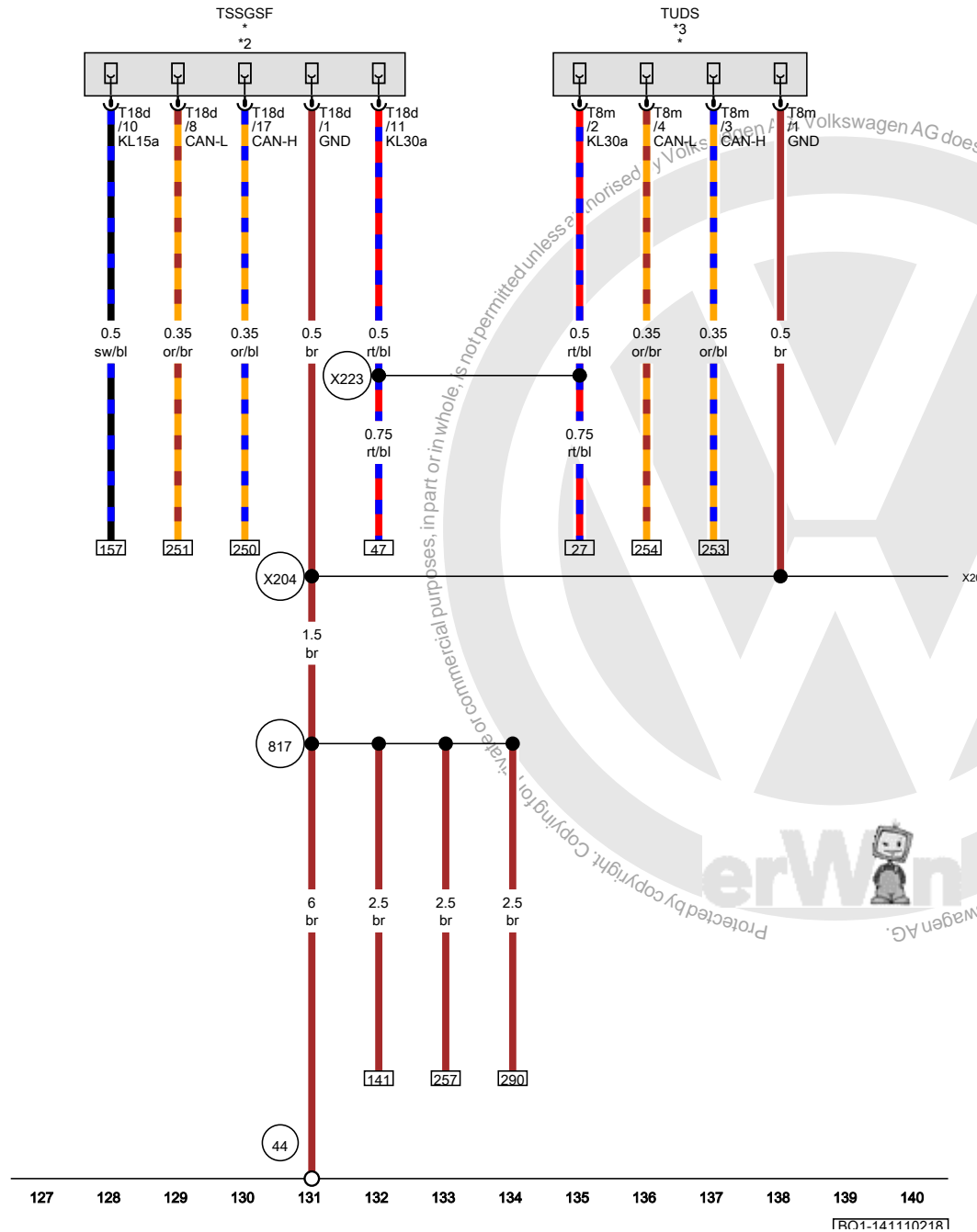


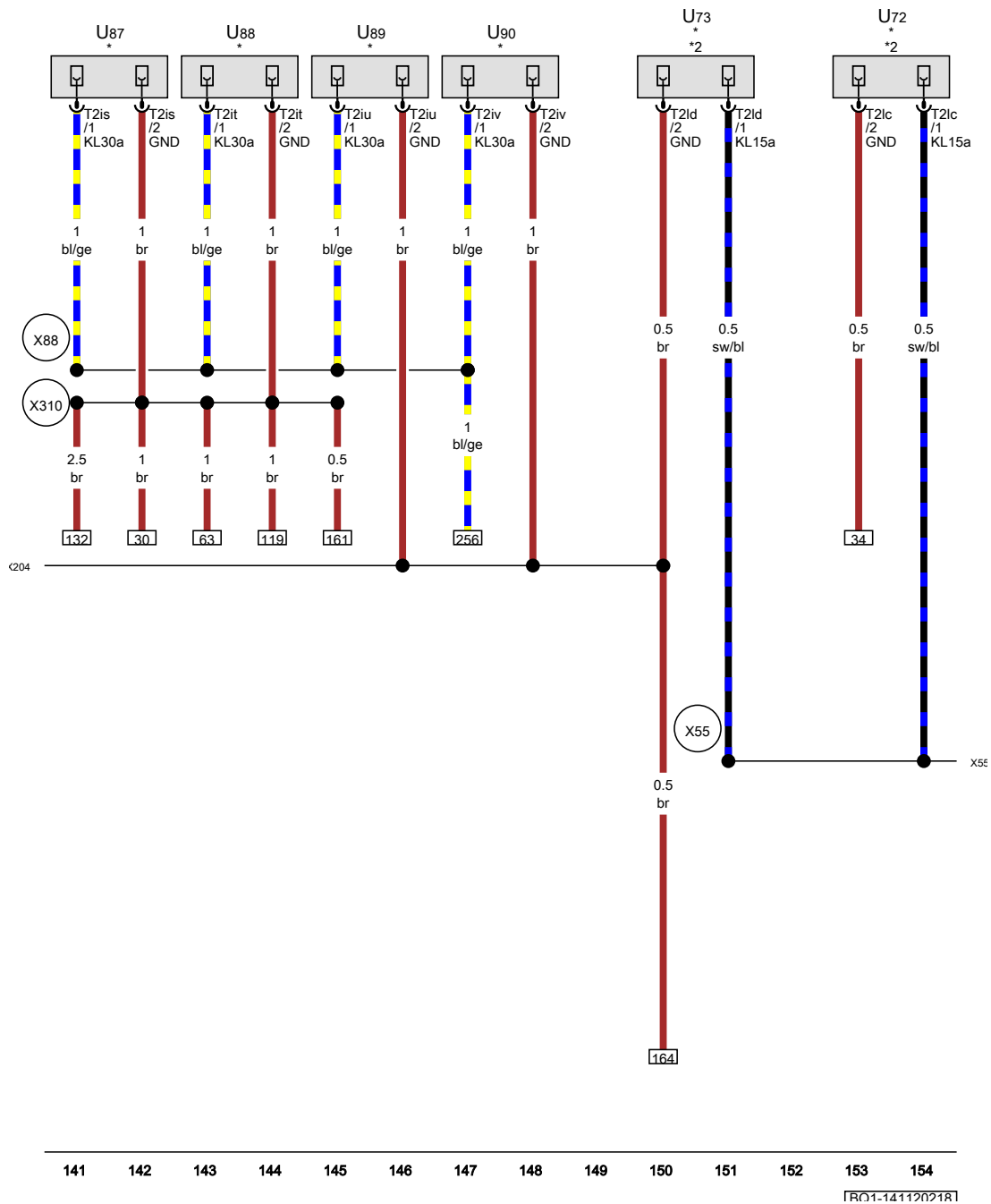
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Coupling point for interface control unit in special vehicle,
Coupling point for accident data recorder

T8m 8-pin connector, black
T18d 18-pin connector, black
TSSGSF Coupling point for interface control unit in special vehicle, in
centre console, on selector lever bracket
TUDS Coupling point for accident data recorder, under front passenger
seat

- 44 Earth point, lower part of left A-pillar
- 817 Earth connection 7, in optional equipment wiring harness
- X204 Connection 11, in optional equipment wiring harness
- X223 Positive connection 4 (30a) in special vehicle wiring harness
- *2 see installation description for special equipment
- *2 Diagnostic connection
- *3 Connection for accident data recorder

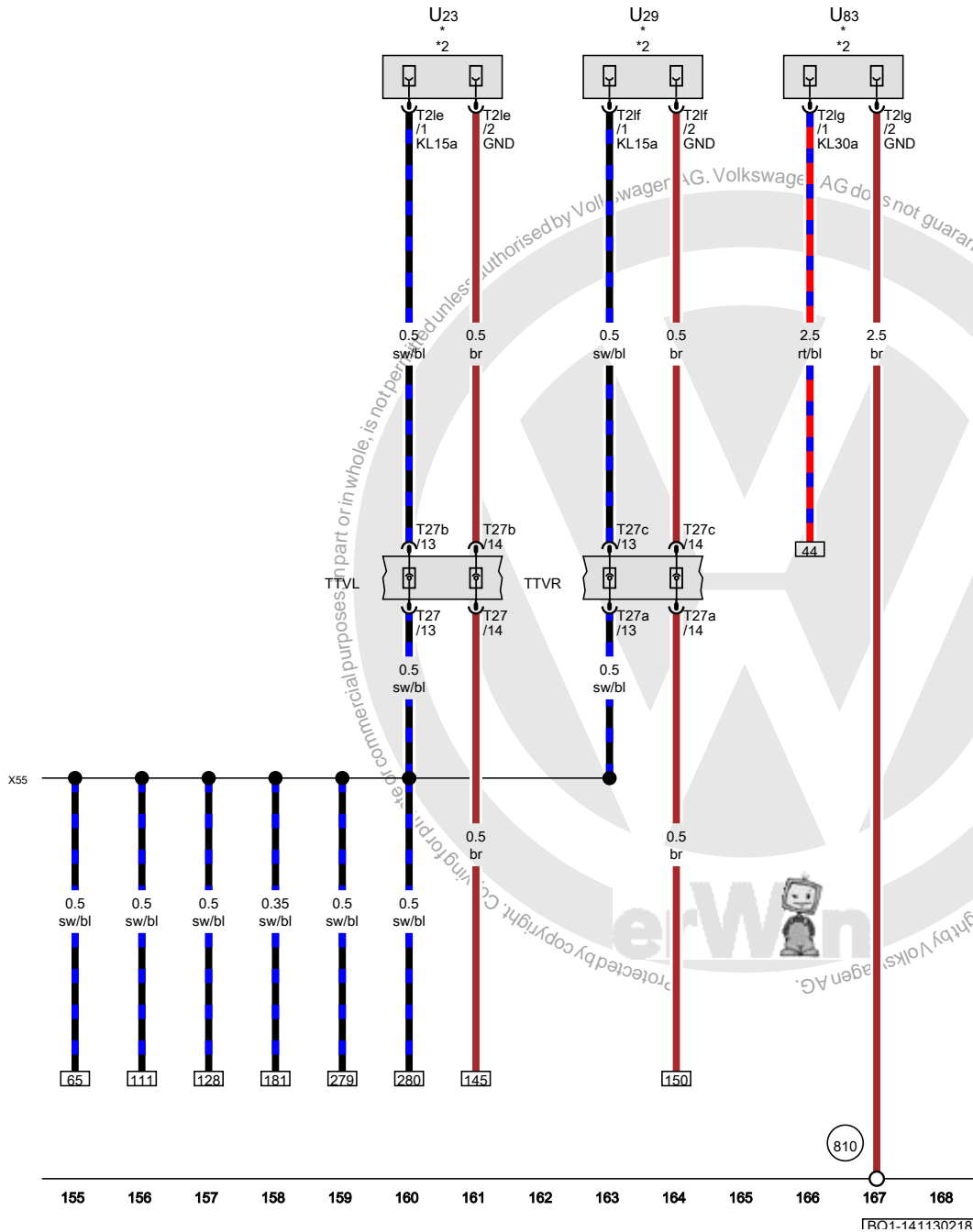




Charging station 1, Charging station 2, Socket for blue flashing light, Socket 2 for blue flashing light, Socket 3 for blue flashing light, Socket 4 for blue flashing light

- T2is 2-pin connector, black
- T2it 2-pin connector, black
- T2iu 2-pin connector, black
- T2iv 2-pin connector, black
- T2lc 2-pin connector, black
- T2ld 2-pin connector, black
- U72 Charging station 1, in luggage compartment, rear left
- U73 Charging station 2, behind glove compartment
- U87 Socket for blue flashing light, on lower section of left A-pillar
- U88 Socket 2 for blue flashing light, lower part of B-pillar, driver side
- U89 Socket 3 for blue flashing light, on lower section of right A-pillar
- U90 Socket 4 for blue flashing light, lower part of B-pillar, front passenger side
- X55 Positive connection (15), in optional equipment wiring harness
- X88 Positive connection (30a, blue flashing light), in optional equipment wiring harness
- X204 Connection 11, in optional equipment wiring harness
- X310 Connection 4 (terminal 31s) in special vehicle wiring harness
- * see installation description for special equipment
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



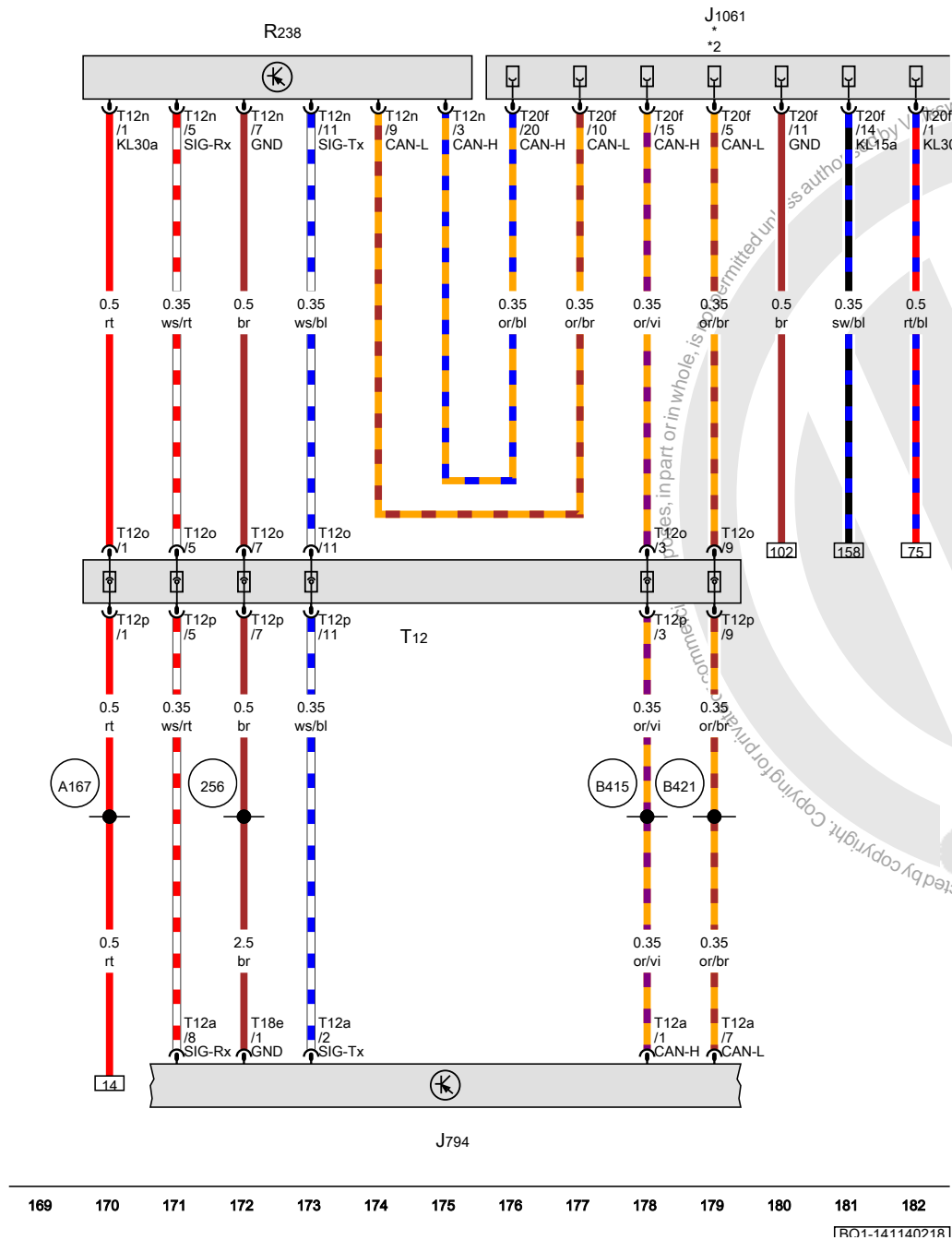
Charging station for torch, Charging station 2 for torch, 12 V socket for special vehicles

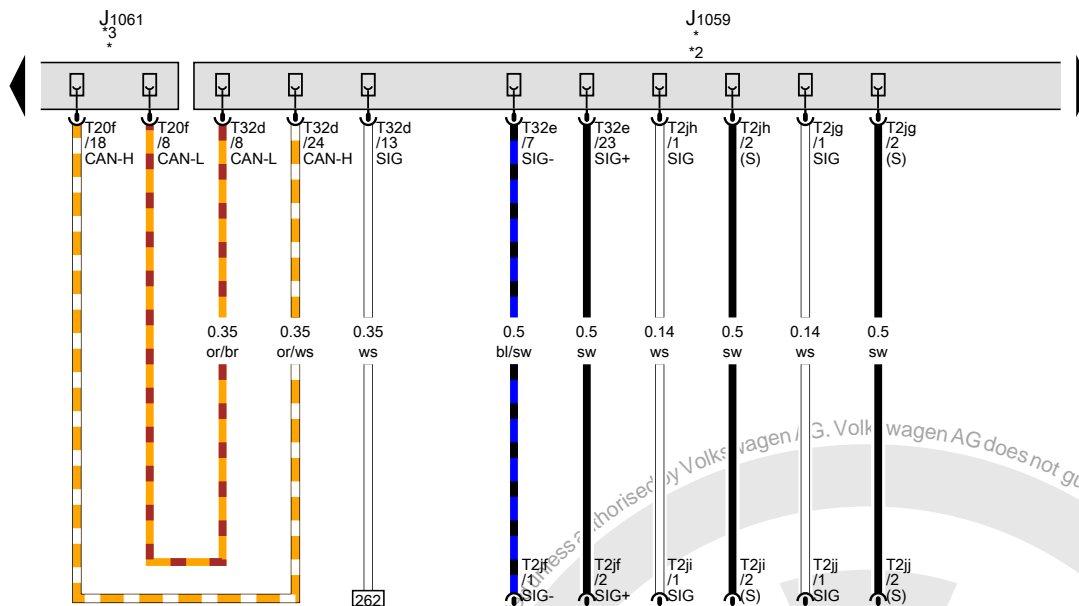
- T2le 2-pin connector, black
- T2lf 2-pin connector, black
- T2lg 2-pin connector, colourless
- T27 27-pin connector, black
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- T27c 27-pin connector, black
- TTVL Coupling point for front left door
- TTVR Coupling point for front right door
- U23 Charging station for torch, in driver door
- U29 Charging station 2 for torch, in front passenger door
- U83 12 V socket for special vehicles, in rear centre console
- 810 Earth point on central tube for dash panel, centre left
- X55 Positive connection (15), in optional equipment wiring harness
- * see installation description for special equipment
- *2 According to equipment

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Control unit 1 for information electronics, Interface for MIB CAN bus, special vehicle interface, Operating and display unit for multimedia system

- J794 Control unit 1 for information electronics
- J1061 Interface for MIB CAN bus, special vehicle interface, behind glove compartment, on heater and air conditioner unit
- R238 Operating and display unit for multimedia system
- T12 12-pin connector, behind radio
- T12a 12-pin connector, grey
- T12n 12-pin connector, black
- T12o 12-pin connector, green
- T12p 12-pin connector, black
- T18e 18-pin connector, black
- T20f 20-pin connector, black
- 256 Earth connection 2, in radio wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness
- * Connection for diagnostic interface
- *2 see installation description for special equipment

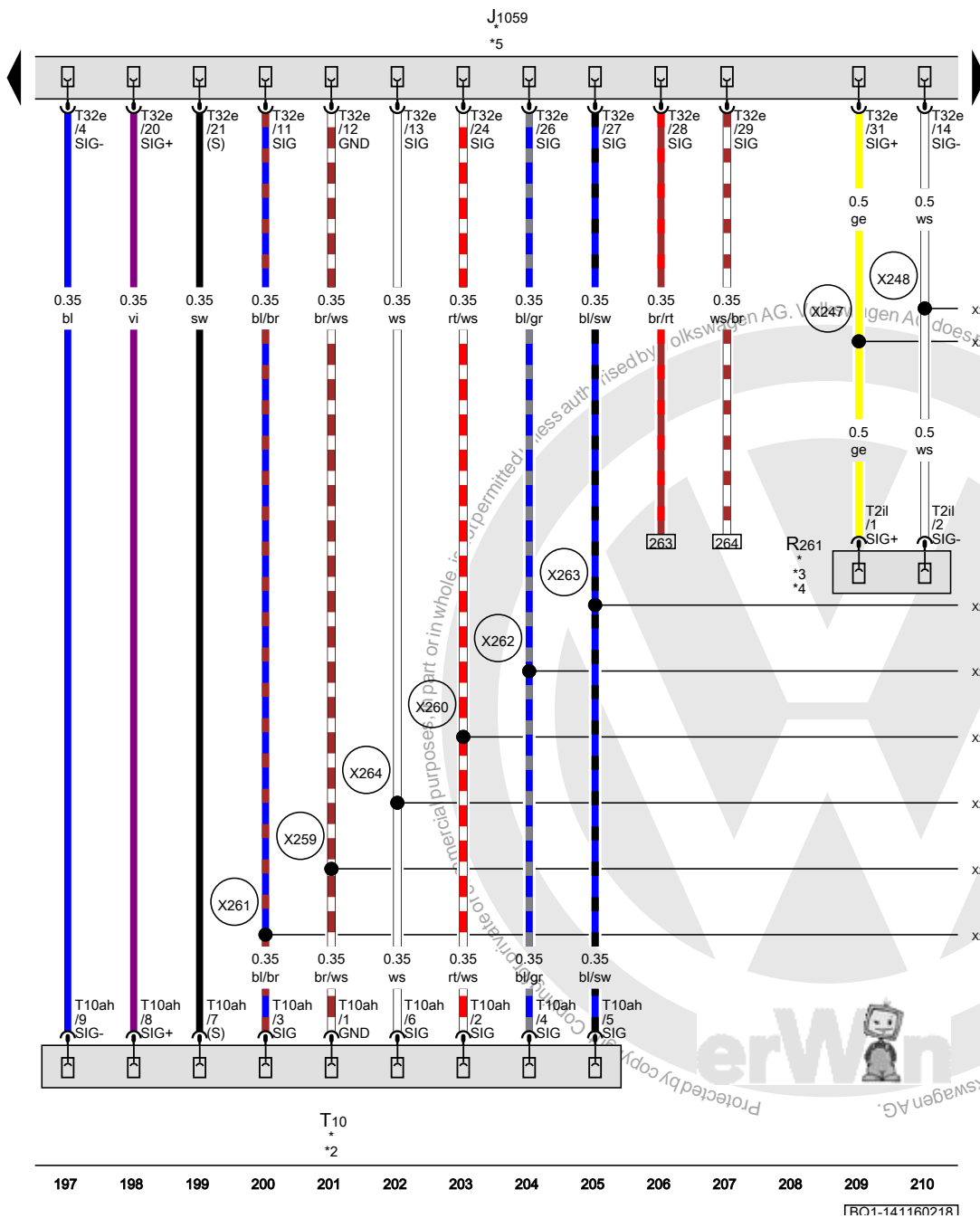




Special vehicle interface control unit, Interface for MIB CAN bus, special vehicle interface, GPS aerial, 2-way radio unit microphone, GSM aerial

- J1059 Special vehicle interface control unit
- J1061 Interface for MIB CAN bus, special vehicle interface, behind glove compartment, on heater and air conditioner unit
- R50 GPS aerial, behind glove compartment
- R122 2-way radio unit microphone, on roof module
- R205 GSM aerial, behind glove compartment
- T2jf 2-pin connector, black
- T2jg 2-pin connector, purple
- T2jh 2-pin connector, blue
- T2ji 2-pin connector, blue
- T2jj 2-pin connector, purple
- T20f 20-pin connector, black
- T32d 32-pin connector, colourless
- T32e 32-pin connector, green
- * see installation description for special equipment
- *2 Connection for special vehicle interface
- *3 Connection for diagnostic interface

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



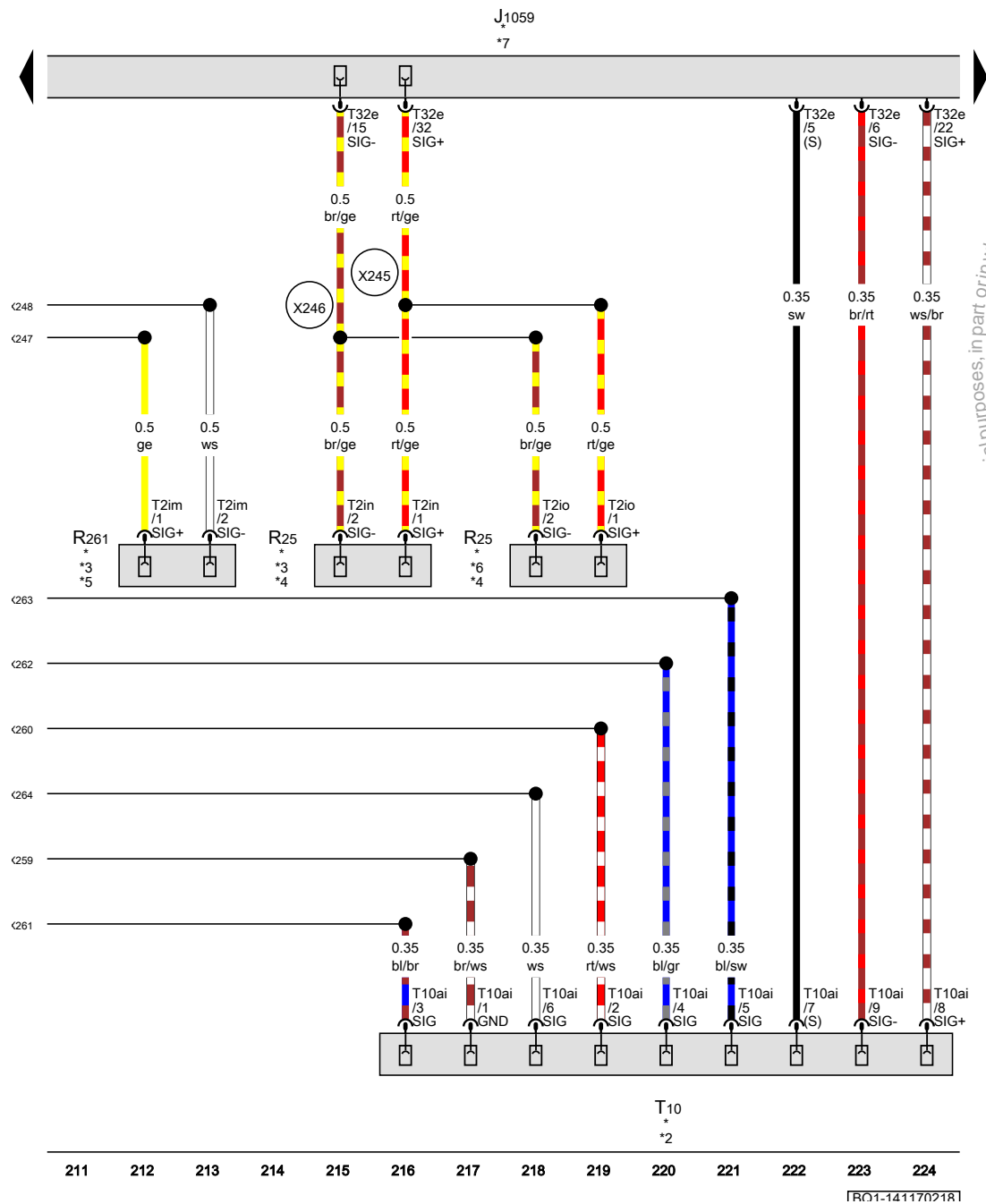
Special vehicle interface control unit, Two-way radio loudspeaker 2

- J1059 Special vehicle interface control unit
- R261 Two-way radio loudspeaker 2, on roof module
- T10 10-pin connector, in centre console
- T2il 2-pin connector, black
- T10ah 10-pin connector, black
- T32e 32-pin connector, green

- X247 Connection 3 in special vehicle wiring harness
- X248 Connection 4 in special vehicle wiring harness
- X259 Connection 15 in special vehicle wiring harness
- X260 Connection 16 in special vehicle wiring harness
- X261 Connection 17 in special vehicle wiring harness
- X262 Connection 18 in special vehicle wiring harness
- X263 Connection 19 in special vehicle wiring harness
- X264 Connection 20 in special vehicle wiring harness

- * see installation description for special equipment
- *2 According to equipment
- *3 Connection 1 for 2-way radio loudspeaker
- *4 Two-way radio 2
- *5 Connection for special vehicle interface

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



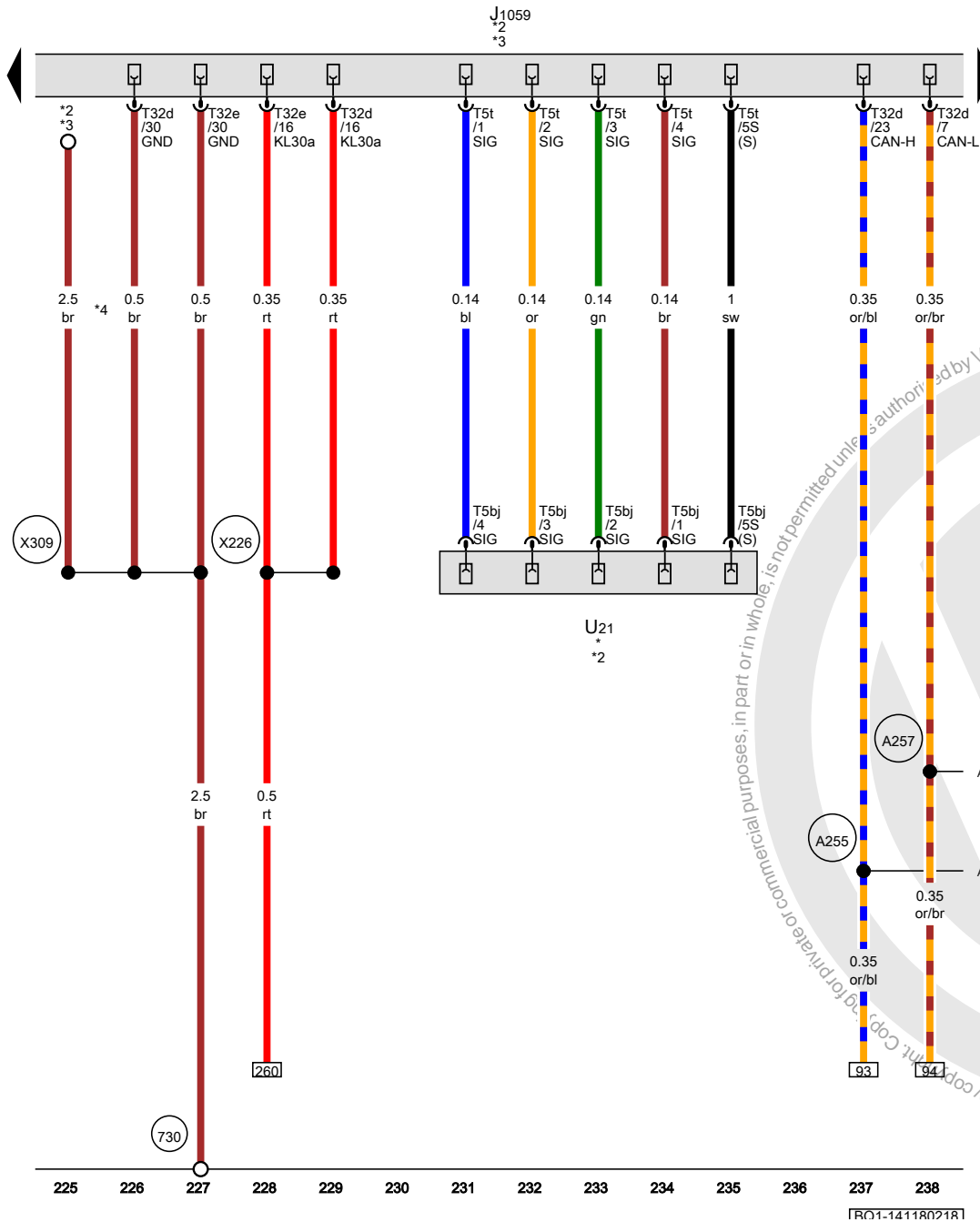
Special vehicle interface control unit, Two-way radio loudspeaker, Two-way radio loudspeaker 2

- J1059 Special vehicle interface control unit
- R25 Two-way radio loudspeaker, on lower section of left A-pillar
- R261 Two-way radio loudspeaker 2, on lower section of right A-pillar
- T10 10-pin connector, in centre console
- T2im 2-pin connector, black
- T2in 2-pin connector, black
- T2io 2-pin connector, black
- T10ai 10-pin connector, red
- T32e 32-pin connector, green

- X245 Connection 1 in special vehicle wiring harness
- X246 Connection 2 in special vehicle wiring harness
- X247 Connection 3 in special vehicle wiring harness
- X248 Connection 4 in special vehicle wiring harness
- X259 Connection 15 in special vehicle wiring harness
- X260 Connection 16 in special vehicle wiring harness
- X261 Connection 17 in special vehicle wiring harness
- X262 Connection 18 in special vehicle wiring harness
- X263 Connection 19 in special vehicle wiring harness
- X264 Connection 20 in special vehicle wiring harness

- * see installation description for special equipment
- *2 According to equipment
- *3 Connection 2 for 2-way radio loudspeaker
- *4 Two-way radio 1
- *5 Two-way radio 2
- *6 Connection 1 for 2-way radio loudspeaker
- *7 Connection for special vehicle interface

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Special vehicle interface control unit, Ethernet socket

J1059 Special vehicle interface control unit

T5bj 5-pin connector, brown

T5t 5-pin connector, brown

T32d 32-pin connector, colourless

T32e 32-pin connector, green

U21 Ethernet socket, Centre console, front right

730 Earth point 1, on right rear wheel housing

A255 Connection 1 (CAN bus high), in special vehicle wiring harness

A257 Connection 1 (CAN bus low), in special vehicle wiring harness

X226 Positive connection 7 (30a) in special vehicle wiring harness

X309 Connection 3 (terminal 31s) in special vehicle wiring harness

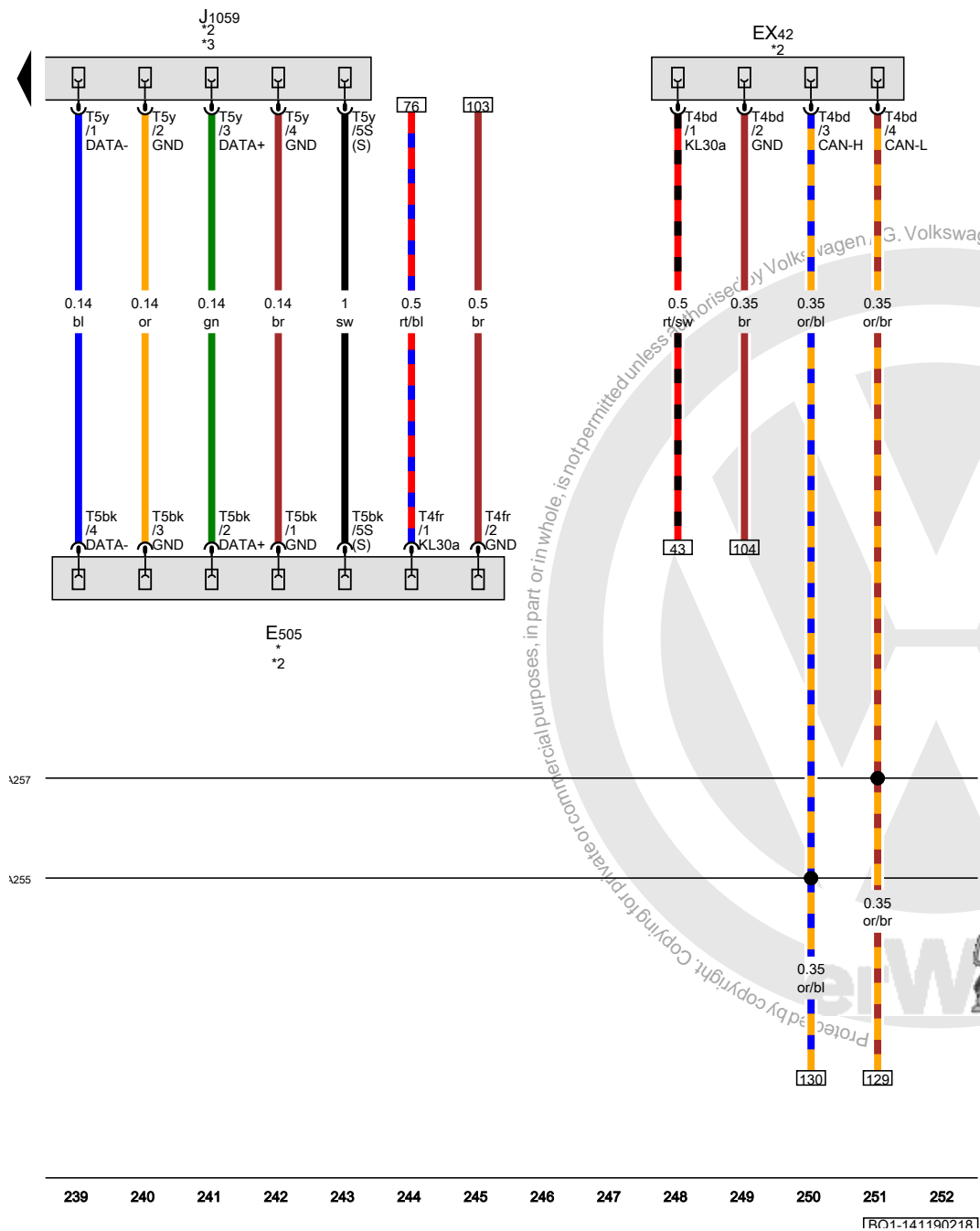
* Connection for ethernet

*2 see installation description for special equipment

*3 Connection for special vehicle interface

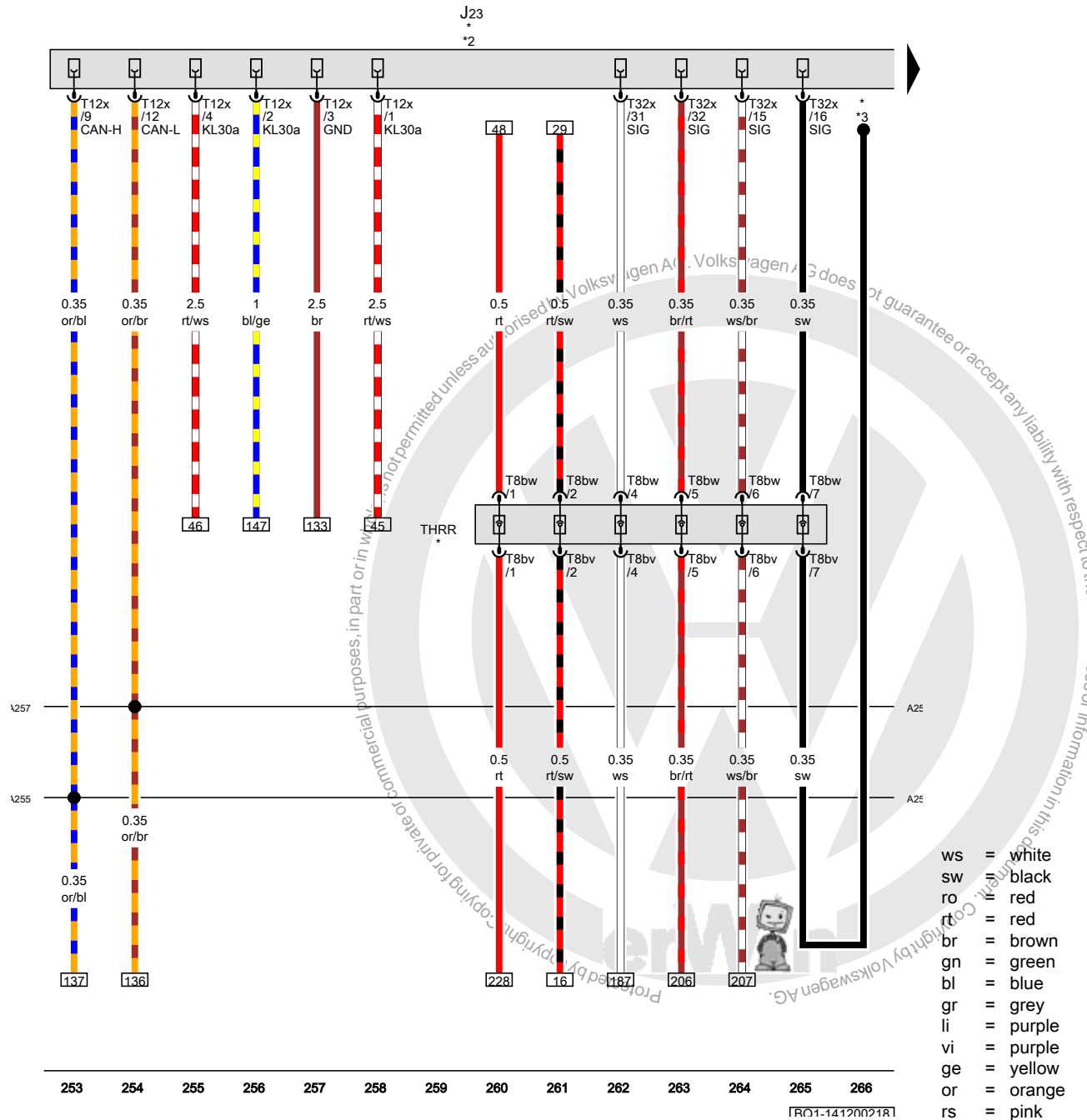
*4 Earth supply via housing

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink



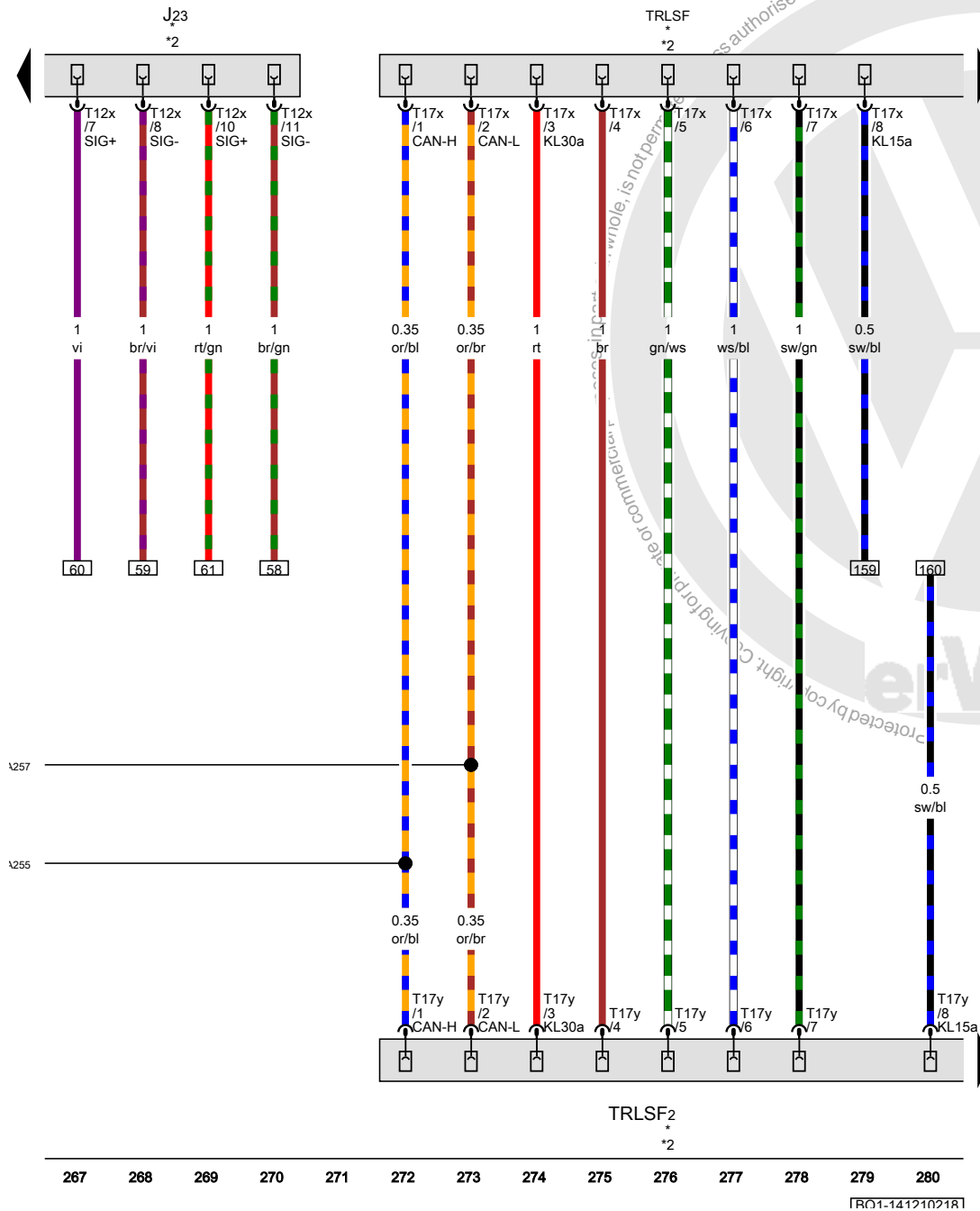
Operating unit with buttons for special functions, Special signal system changeover button, Special vehicle interface control unit

- EX42 Operating unit with buttons for special functions, in centre console
- E505 Special signal system changeover button, behind dash panel, centre
- J1059 Special vehicle interface control unit
- T4bd 4-pin connector, black
- T4fr 4-pin connector, brown
- T5bk 5-pin connector, black
- T5y 5-pin connector, blue
- A255 Connection 1 (CAN bus high), in special vehicle wiring harness
- A257 Connection 1 (CAN bus low), in special vehicle wiring harness
- * Connection for signal changeover switch
- *2 see installation description for special equipment
- *3 Connection for special vehicle interface



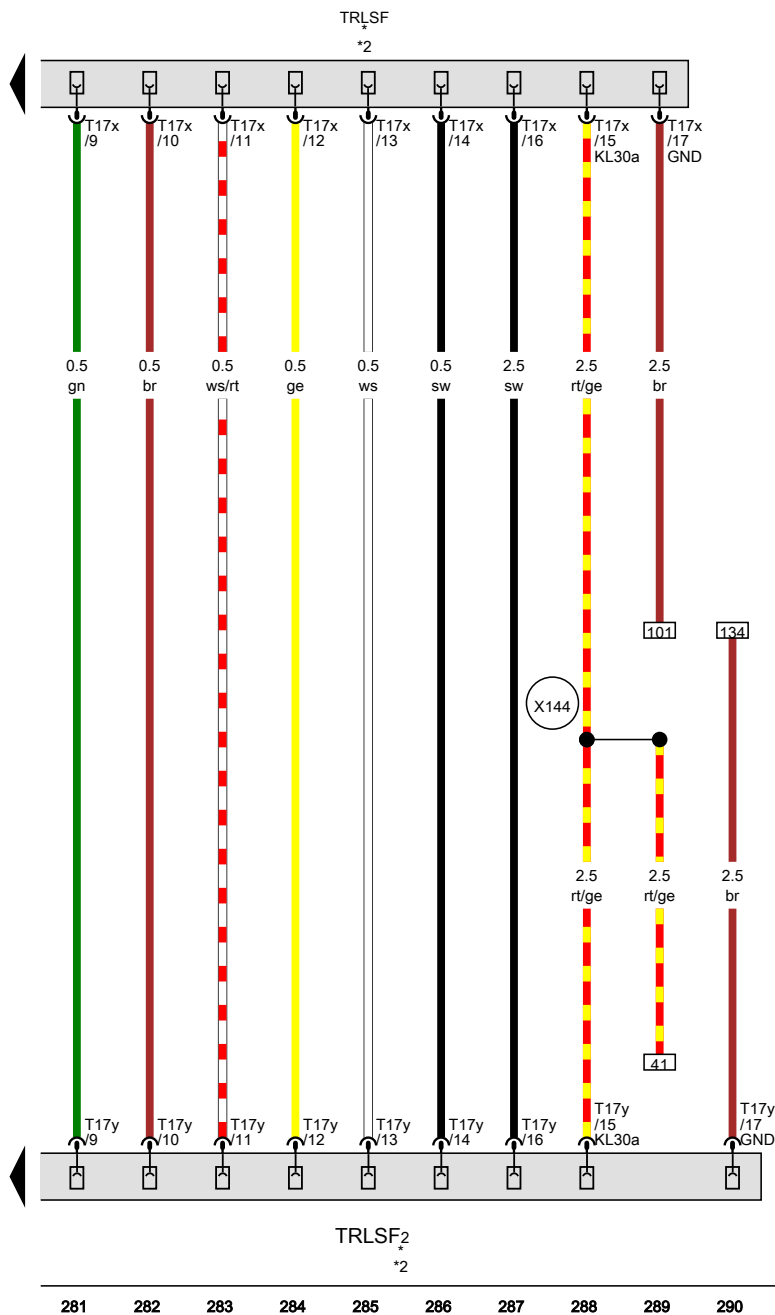
Rotating light and siren system control unit

- J23 Rotating light and siren system control unit, in luggage compartment, in spare wheel well
- T8bv 8-pin connector, black
- T8bw 8-pin connector, black
- T12x 12-pin connector, green
- T32x 32-pin connector, colourless
- THRR Coupling point in luggage compartment, right, in luggage compartment, in spare wheel well
- A255 Connection 1 (CAN bus high), in special vehicle wiring harness
- A257 Connection 1 (CAN bus low), in special vehicle wiring harness
- * see installation description for special equipment
- *2 According to equipment
- *3 Wiring open end



Rotating light and siren system control unit, Coupling point for spare wiring on special vehicles, Coupling point 2 for spare wiring on special vehicles

- J23 Rotating light and siren system control unit, in luggage compartment, in spare wheel well
- T12x 12-pin connector, green
- T17x 17-pin connector, black
- T17y 17-pin connector, black
- TRLSF Coupling point for spare wiring on special vehicles, behind lower section of right A-pillar trim
- TRLSF2 Coupling point 2 for spare wiring on special vehicles, in luggage compartment, in spare wheel well
- A255 Connection 1 (CAN bus high), in special vehicle wiring harness
- A257 Connection 2 (CAN bus low), in special vehicle wiring harness
- * see installation description for special equipment
- *2 According to equipment



Coupling point for spare wiring on special vehicles, Coupling point 2 for spare wiring on special vehicles

- T17x 17-pin connector, black
- T17y 17-pin connector, black
- TRLSF Coupling point for spare wiring on special vehicles, behind lower section of right A-pillar trim
- TRLSF2 Coupling point 2 for spare wiring on special vehicles, in luggage compartment, in spare wheel well
- X144 Positive connection 5 (30), in optional equipment wiring harness
- * see installation description for special equipment
- *2 According to equipment

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- bl = blue
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- li = purple
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- or = orange
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1 Earth points

- ◆ ⇒ [“1.1 Earth points in front part of vehicle”, page 1](#)
- ◆ ⇒ [“1.2 Earth points in middle part of vehicle”, page 20](#)
- ◆ ⇒ [“1.3 Earth points in rear part of vehicle”, page 23](#)
- ◆ ⇒ [“1.4 Earth points on vehicle underbody”, page 25](#)

1.1 Earth points in front part of vehicle

- ◆ ⇒ [“1.1.1 Front from left”, page 2](#)
- ◆ ⇒ [“1.1.2 Front from left, additional earth points for vehicles with hybrid drive”, page 4](#)
- ◆ ⇒ [“1.1.3 Front from right”, page 5](#)
- ◆ ⇒ [“1.1.4 Front from right, additional earth points for vehicles with hybrid drive”, page 6](#)
- ◆ ⇒ [“1.1.5 1.0l petrol engine”, page 7](#)
- ◆ ⇒ [“1.1.6 1.2l petrol engine”, page 8](#)
- ◆ ⇒ [“1.1.7 1.4l petrol engine”, page 9](#)
- ◆ ⇒ [“1.1.8 1.5l petrol engine”, page 10](#)
- ◆ ⇒ [“1.1.9 1.6l petrol engine”, page 11](#)
- ◆ ⇒ [“1.1.10 2.0l petrol engine”, page 12](#)
- ◆ ⇒ [“1.1.11 Manual gearbox, 0AH, 0AF, 0AJ”, page 13](#)
- ◆ ⇒ [“1.1.12 Manual gearbox 0AJ, for models with 1.5l petrol engine”, page 14](#)
- ◆ ⇒ [“1.1.13 Manual gearbox, 0A4, 02S”, page 15](#)
- ◆ ⇒ [“1.1.14 Manual gearbox, 0FB, 02Q”, page 16](#)
- ◆ ⇒ [“1.1.15 Dual clutch gearbox 0CW”, page 17](#)
- ◆ ⇒ [“1.1.16 Dual clutch gearbox, 0D9, 0GC”, page 18](#)
- ◆ ⇒ [“1.1.17 Automatic gearbox, 09G”, page 19](#)

Variants of earth points	Chapter	Comment
14 Earth point, on gearbox	⇒ “1.1.11 Manual gearbox, 0AH, 0AF, 0AJ”, page 13	
14 Earth point, on gearbox	⇒ “1.1.12 Manual gearbox 0AJ, for models with 1.5l petrol engine”, page 14	

Variants of earth points	Chapter	Comment
14 Earth point, on gearbox	⇒ "1.1.13 Manual gearbox, 0A4, 02S", page 15	
14 Earth point, on gearbox	⇒ "1.1.14 Manual gearbox, 0FB, 02Q", page 16	
14 Earth point, on gearbox	⇒ "1.1.15 Dual clutch gearbox 0CW", page 17	
14 Earth point, on gearbox	⇒ "1.1.16 Dual clutch gearbox, 0D9, 0GC", page 18	
14 Earth point, on gearbox	⇒ "1.1.17 Automatic gearbox, 09G", page 19	
15 Earth point on cylinder head	⇒ "1.1.5 1.0l petrol engine", page 7	
15 Earth point on cylinder head	⇒ "1.1.6 1.2l petrol engine", page 8	
15 Earth point on cylinder head	⇒ "1.1.7 1.4l petrol engine", page 9	
15 Earth point on cylinder head	⇒ "1.1.9 1.6l petrol engine", page 11	

1.1.1 Front from left



12 - Earth point, on left in engine compartment

- ☐ Specified torque 20 Nm

652 - Earth point, engine and gearbox earth

- ☐ Specified torque 20 Nm

656 - Earth point, on right headlight

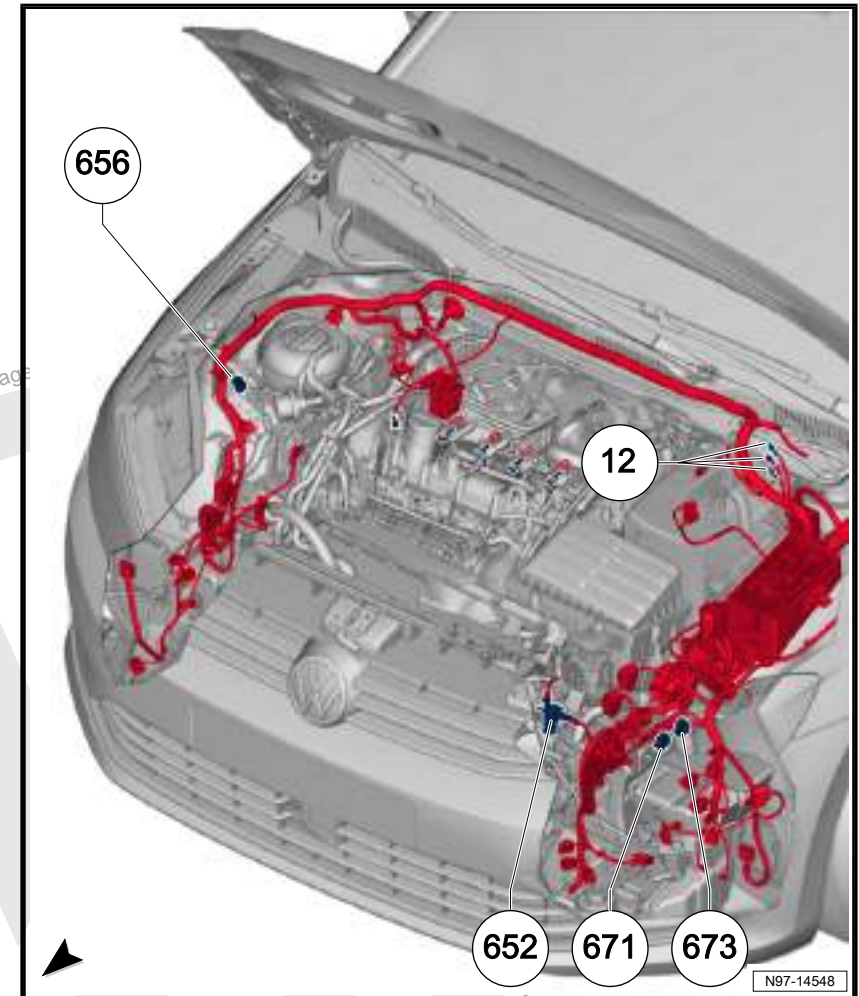
- ☐ Specified torque 9 Nm

671 - Earth point 1, on front of left longitudinal member

- ☐ Specified torque 9 Nm

673 - Earth point 3, on front of left longitudinal member

- ☐ Specified torque 9 Nm



1.1.2 Front from left, additional earth points for vehicles with hybrid drive



Note

For models with hybrid drive system

15 - Earth point, on cylinder head

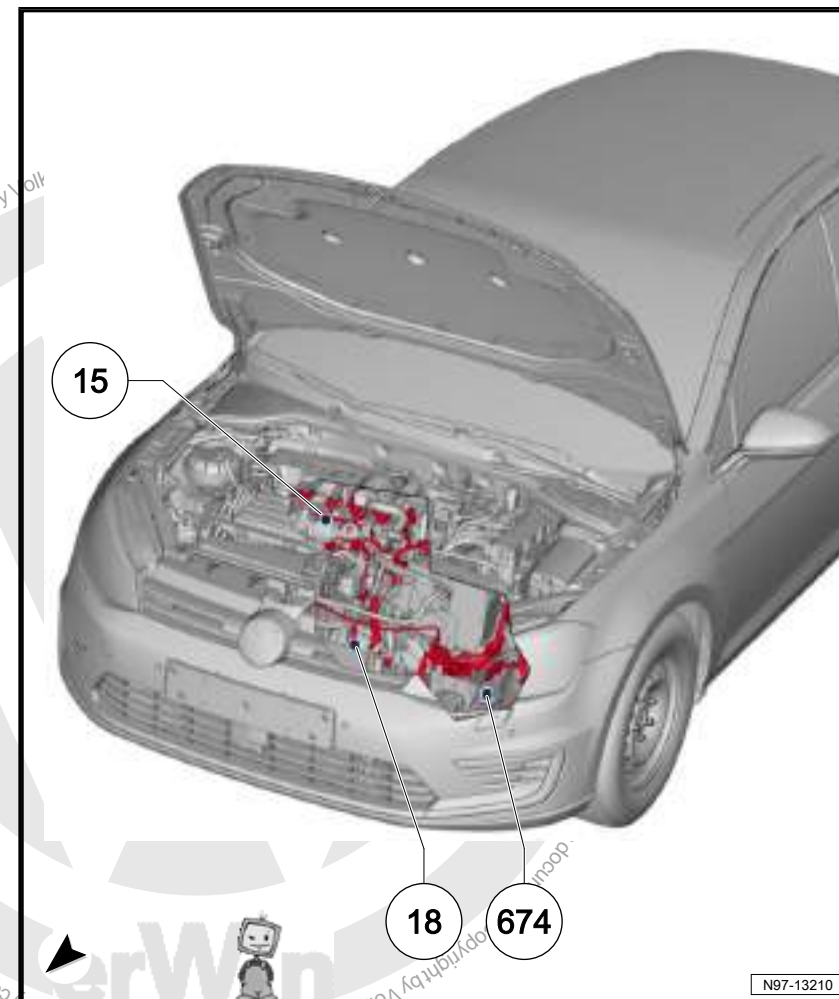
- ☐ Specified torque 9 Nm

18 - Earth point, on cylinder block

- ☐ Specified torque 20 Nm

674 - Earth point 4, on front of left longitudinal member

- ☐ under longitudinal member
- ☐ Specified torque 20 Nm



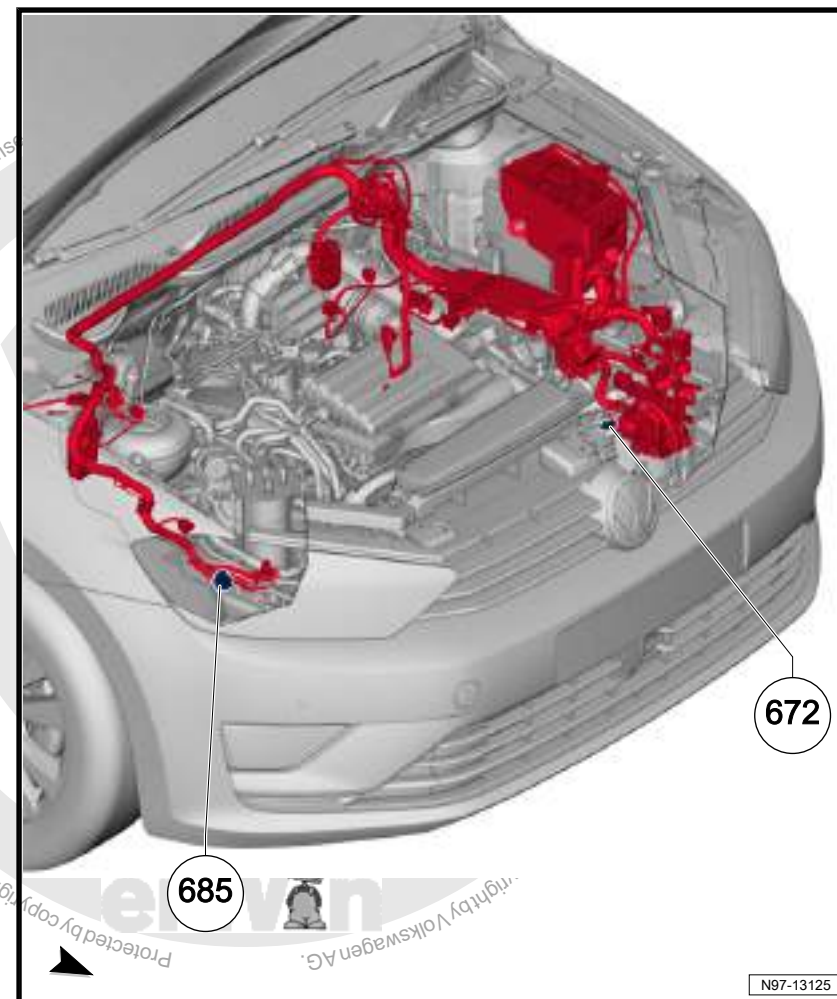
1.1.3 Front from right

672 - Earth point 2, on front of left longitudinal member

- ❑ Specified torque 20 Nm

685 - Earth point 1, on front of right longitudinal member

- ❑ Specified torque 9 Nm



1.1.4 Front from right, additional earth points for models with hybrid drive system



Note

For models with hybrid drive system

81 - Earth point in centre of engine compartment

- ☐ near high-voltage battery charging socket 1 -UX4-
- ☐ Specified torque 9 Nm

640 - Earth point 2, left in engine compartment

- ☐ on charging unit 1 for high-voltage battery -AX4-
- ☐ Specified torque 8 Nm

686 - Earth point 2, on front of right longitudinal member

- ☐ Specified torque 9 Nm

777 - Earth point for air conditioner compressor

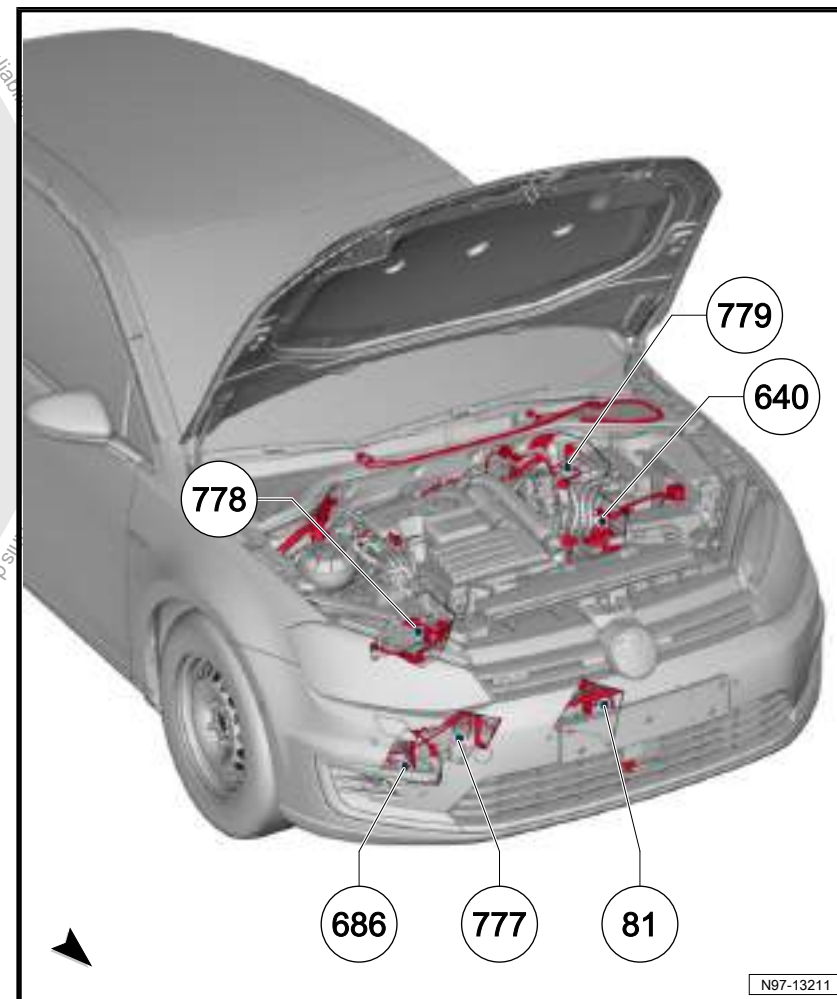
- ☐ Specified torque 9 Nm

778 - Earth point for high-voltage heater (PTC)

- ☐ Specified torque 9 Nm

779 - Earth point 1 for power and control electronics for electric drive

- ☐ Specified torque 9 Nm
- ☐ See Workshop Manual



1.1.5 1.0l petrol engine

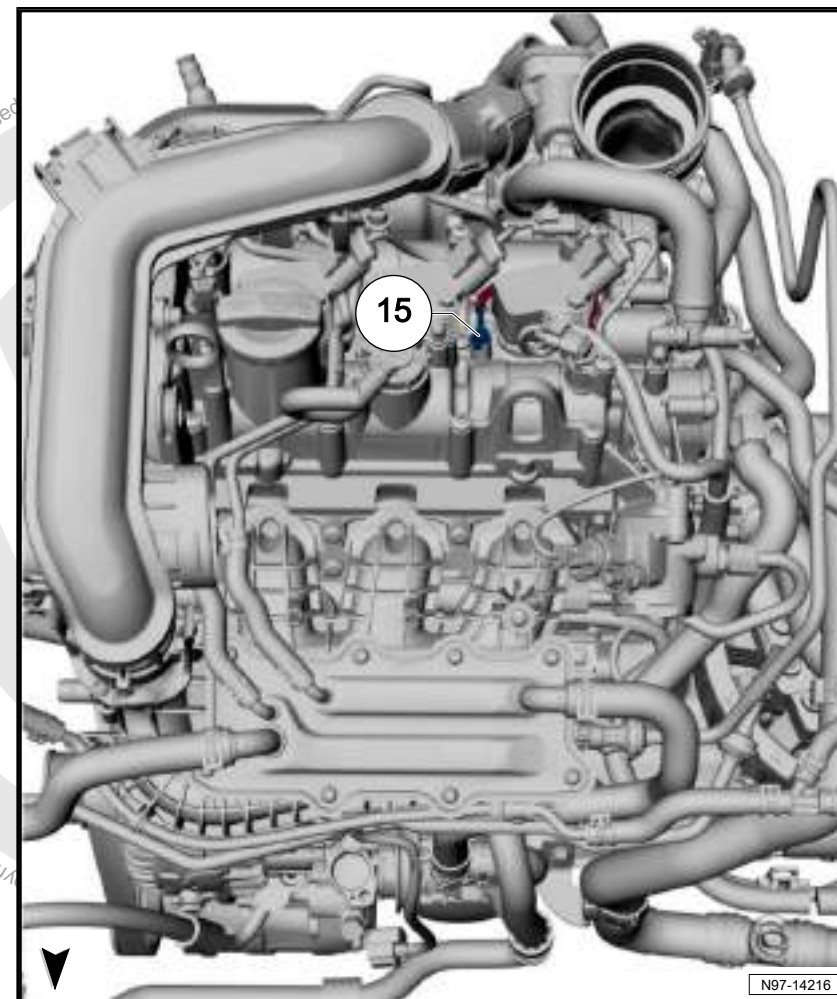


Note

For models with 1.0l petrol engine, CHZC, CHZD, CHZK

15 - Earth point, on cylinder head

- Torque 9 Nm



1.1.6 1.2l petrol engine

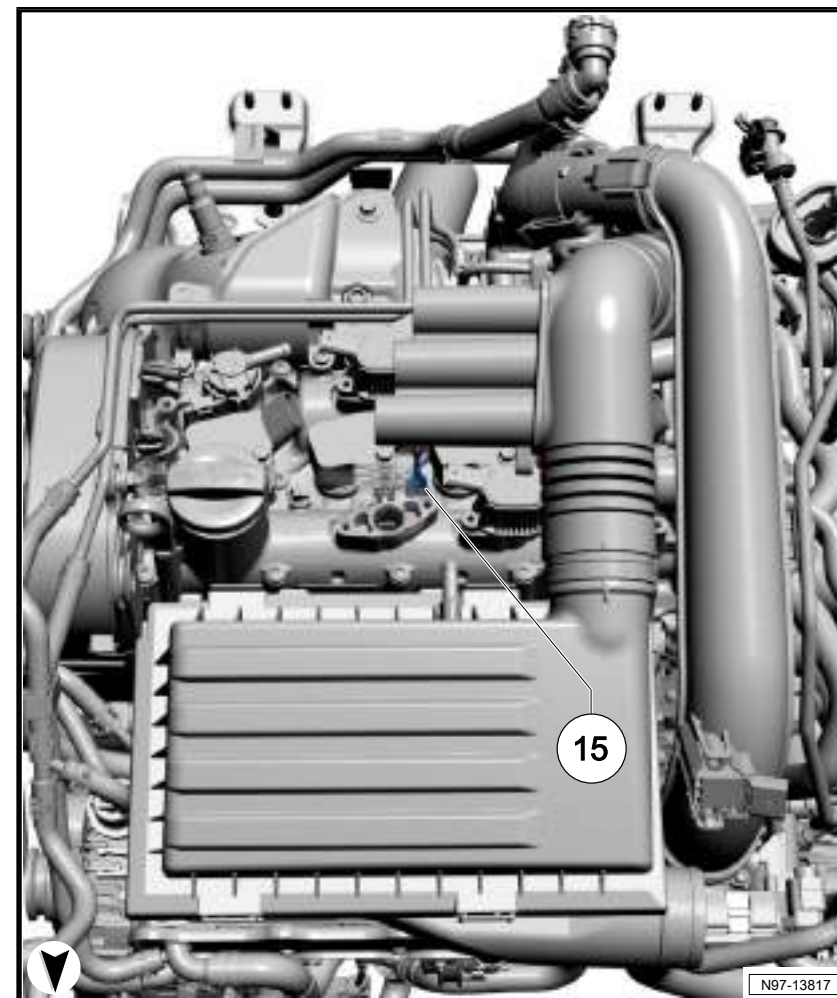


Note

For models with 1.2l petrol engine, CJZA,CJZB,CYVA,CYVB

15 - Earth point, on cylinder head

- Torque 9 Nm



1.1.7 1.4l petrol engine

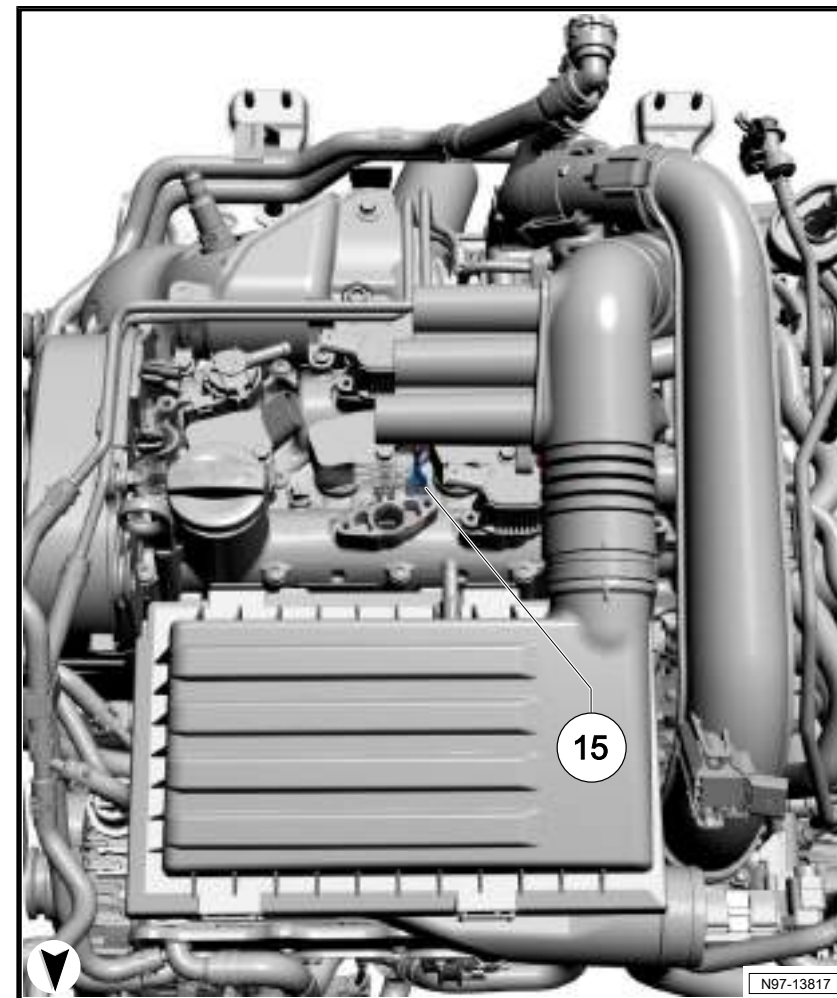


Note

For models with 1.4l petrol engine, CHPA, CMBA, CPTA, CPVA, CPVB, CPWA, CUKB, CXSA, CZCA, CZDA, CZEA

15- Earth point, on cylinder head

- ☐ Torque 9 Nm



1.1.8 1.5l petrol engine



Note

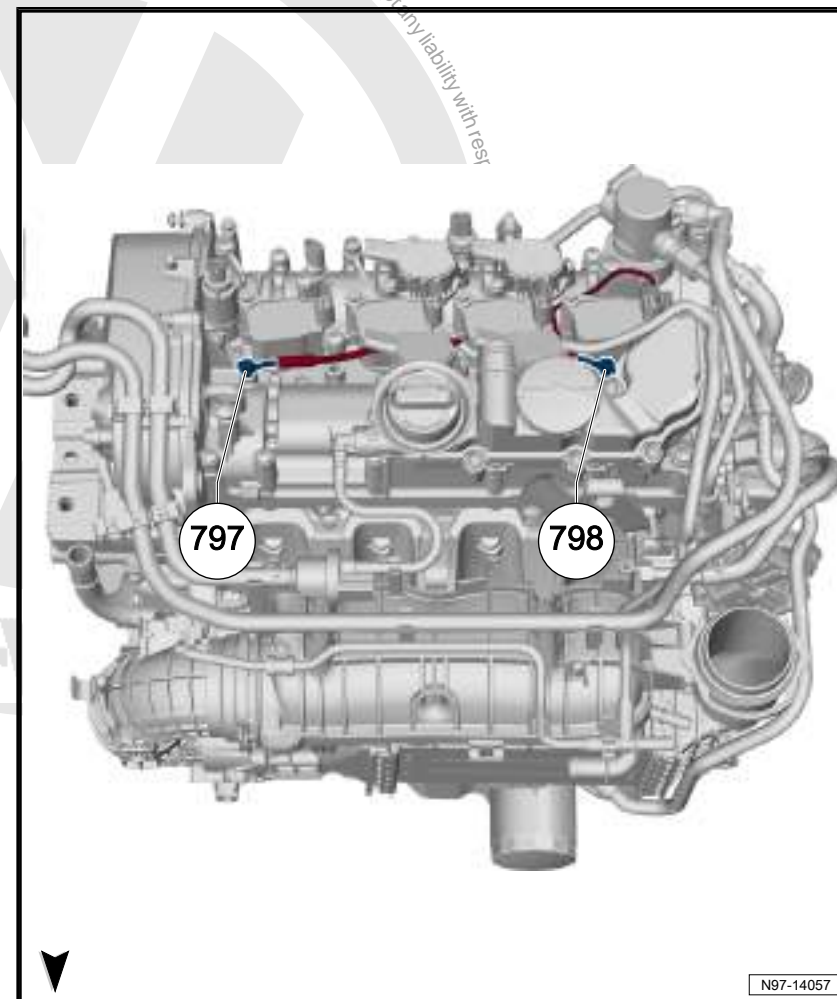
For models with 1.5l petrol engine, DACA,DADA

797 - Earth point on cylinder block for ignition coil, cylinders 1 and 2

- ☐ Specified torque 9 Nm

798 - Earth point on cylinder block for ignition coil, cylinders 3 and 4

- ☐ Specified torque 9 Nm



1.1.9 1.6l petrol engine

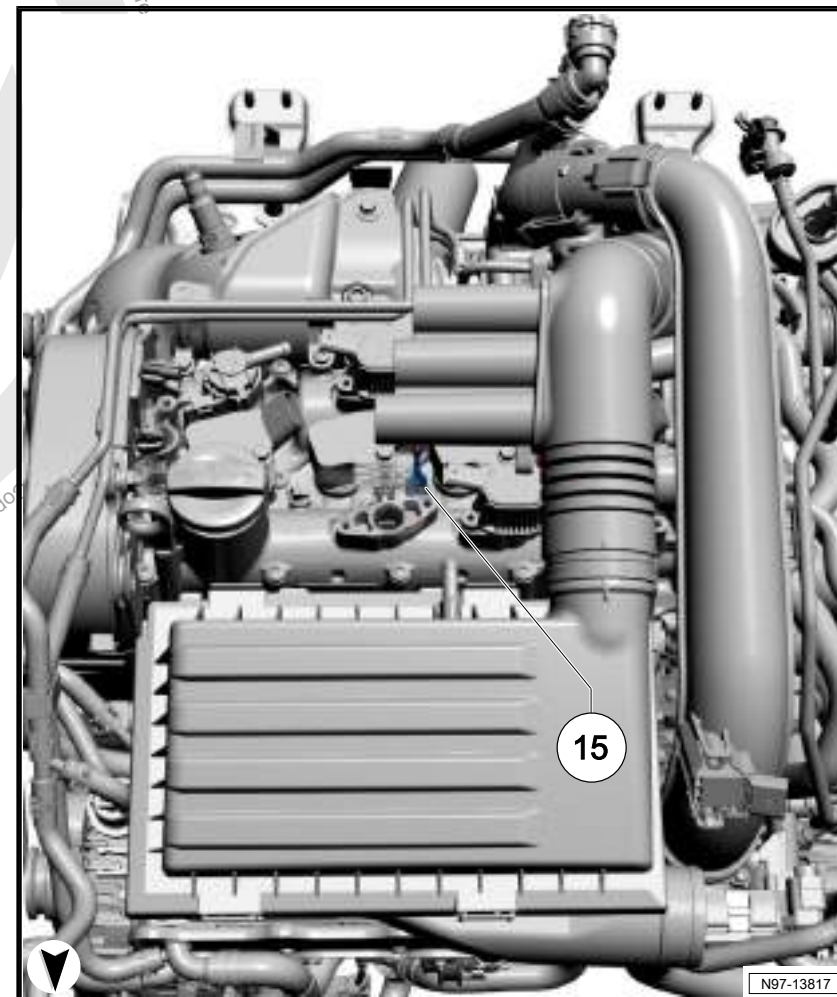


Note

For models with 1.6l petrol engine, CWVA

15 - Earth point, on cylinder head

- ☐ Torque 9 Nm



1.1.10 2.0l petrol engine



Note

*For models with 2.0l petrol engine,
CHHA, CHHB, CJXB, CJXC, CJXD, CJXE, CJXG, CNTA, CNTC, CXDA, CXDB, CYFB, DHGA, DHJA, DJHA, DJHB, DJJA, DLBA*

846 - Earth point on ignition coil 1

- ☐ Torque 9 Nm

847 - Earth point on ignition coil 2

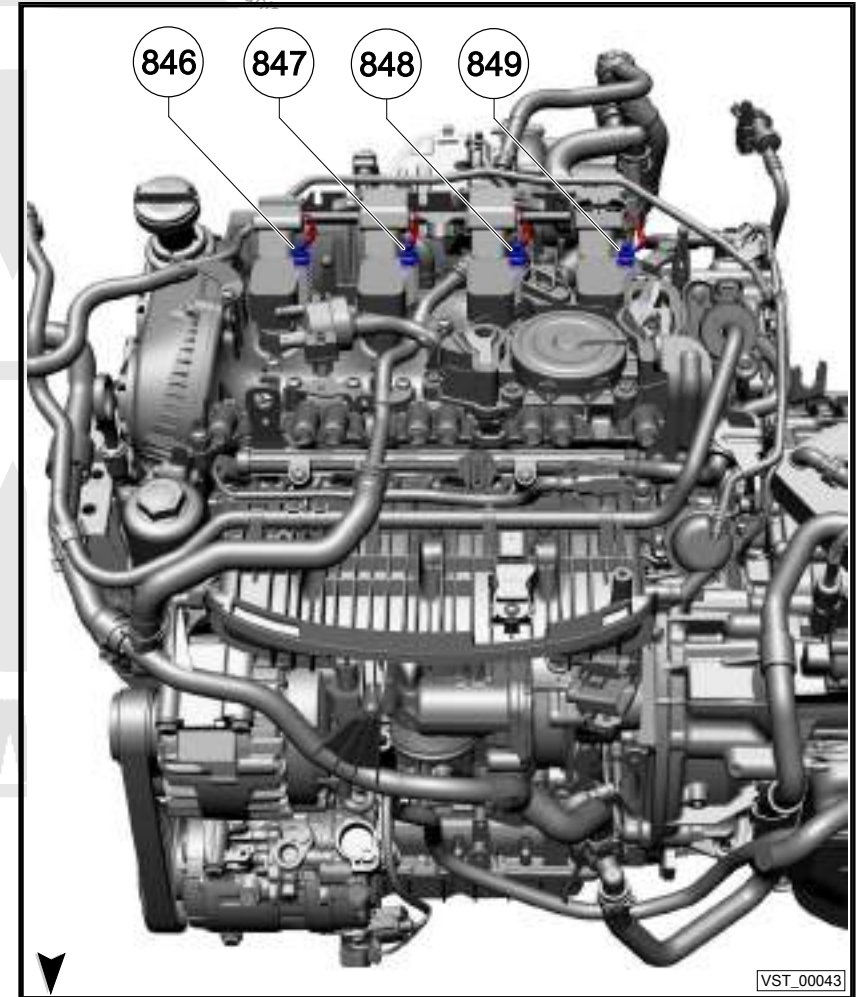
- ☐ Torque 9 Nm

848 - Earth point on ignition coil 3

- ☐ Torque 9 Nm

849 - Earth point on ignition coil 4

- ☐ Torque 9 Nm



1.1.11 Manual gearbox, 0AH, 0AF, 0AJ

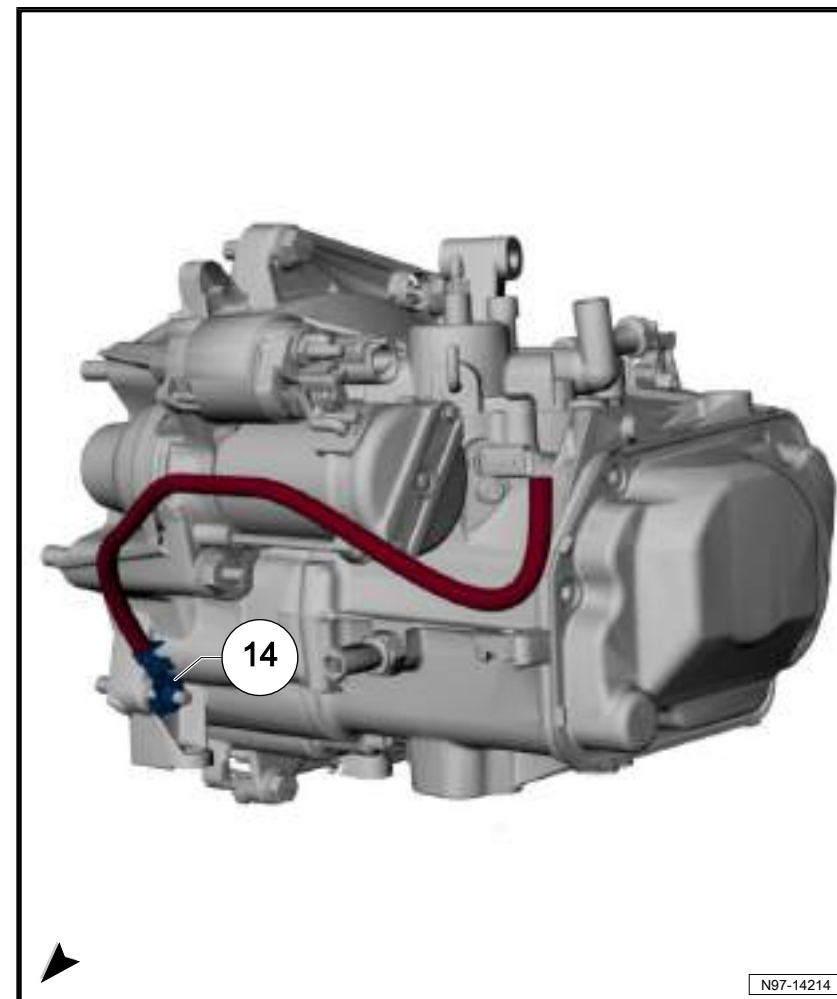


Note

Not for models with 1.5l petrol engine

14 - Earth point, on gearbox

- Torque 20 Nm



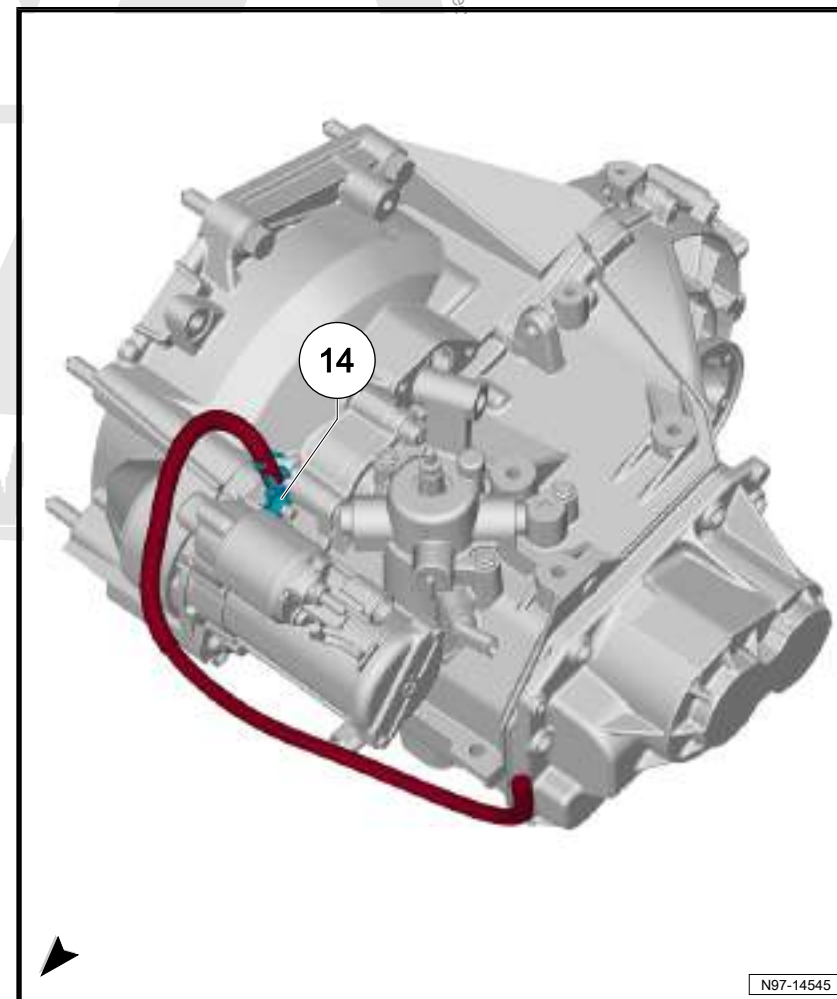
1.1.12 Manual gearbox 0AJ, for models with 1.5l petrol engine



For models with 1.5l petrol engine

14 - Earth point, on gearbox

□ Torque 20 Nm



1.1.13 Manual gearbox 0A4, 02S

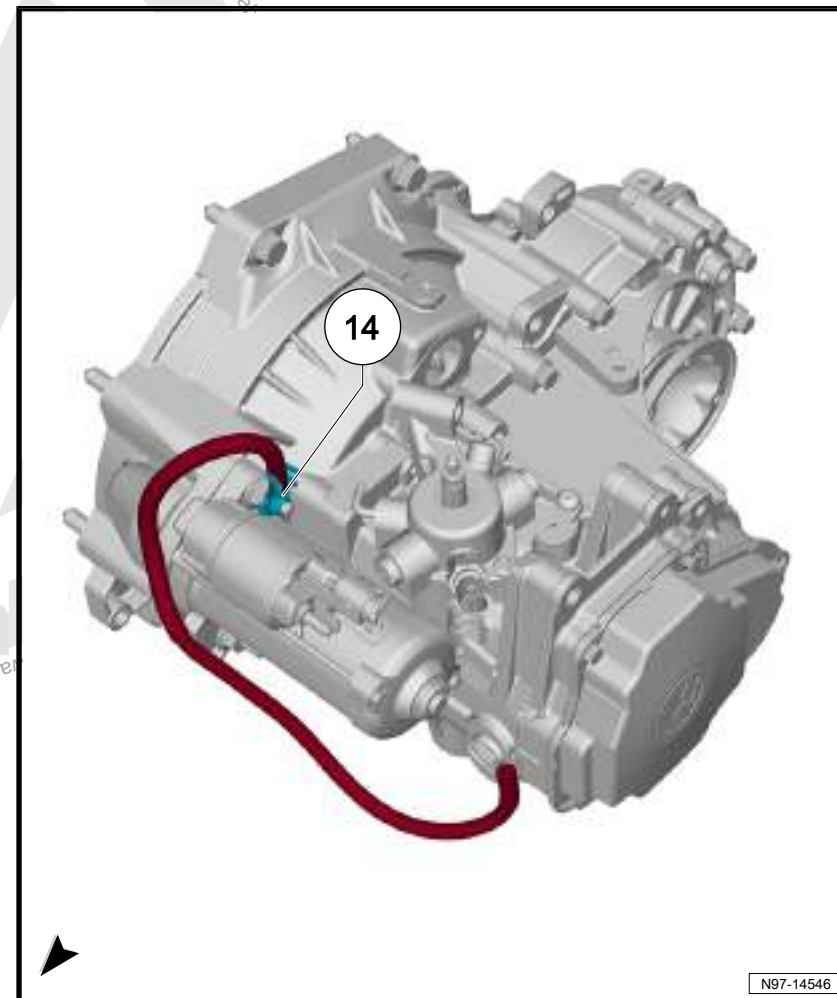


Note

For models with manual gearbox 0A4, 02S

14 - Earth point, on gearbox

□ Torque 20 Nm



1.1.14 Manual gearbox 0FB, 02Q

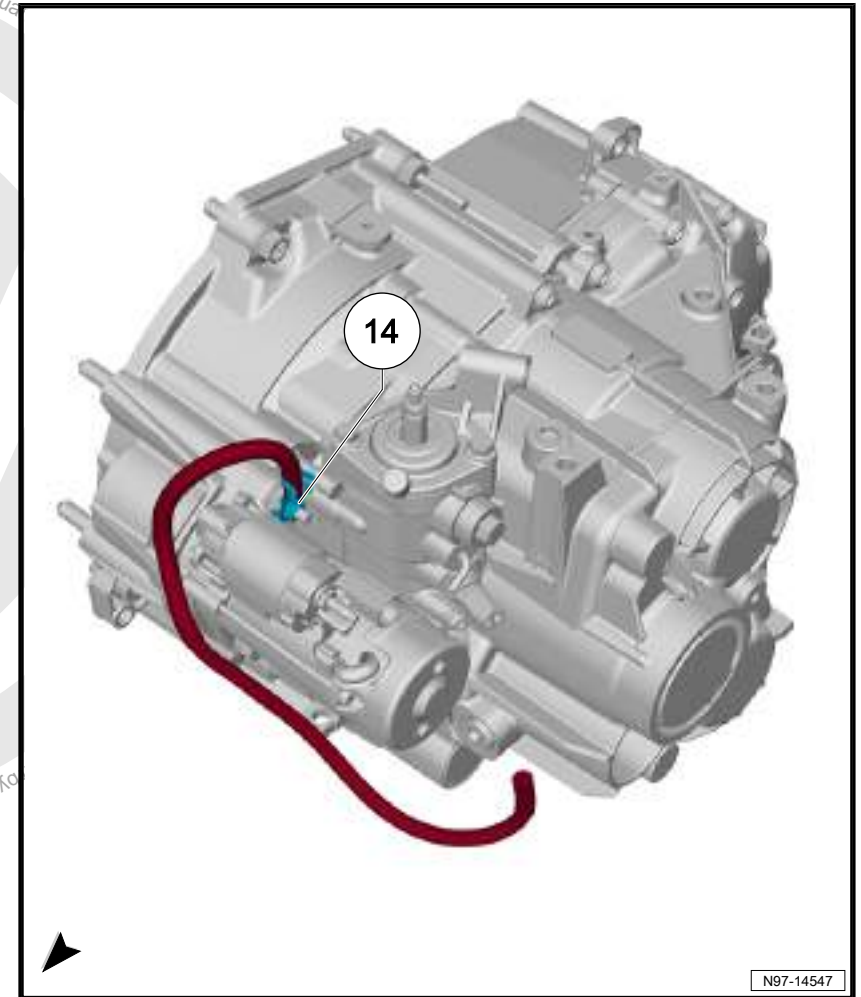


Note

For models with manual gearbox 0FB, 02Q

14 - Earth point, on gearbox

- Torque 20 Nm



1.1.15 Dual clutch gearbox 0CW

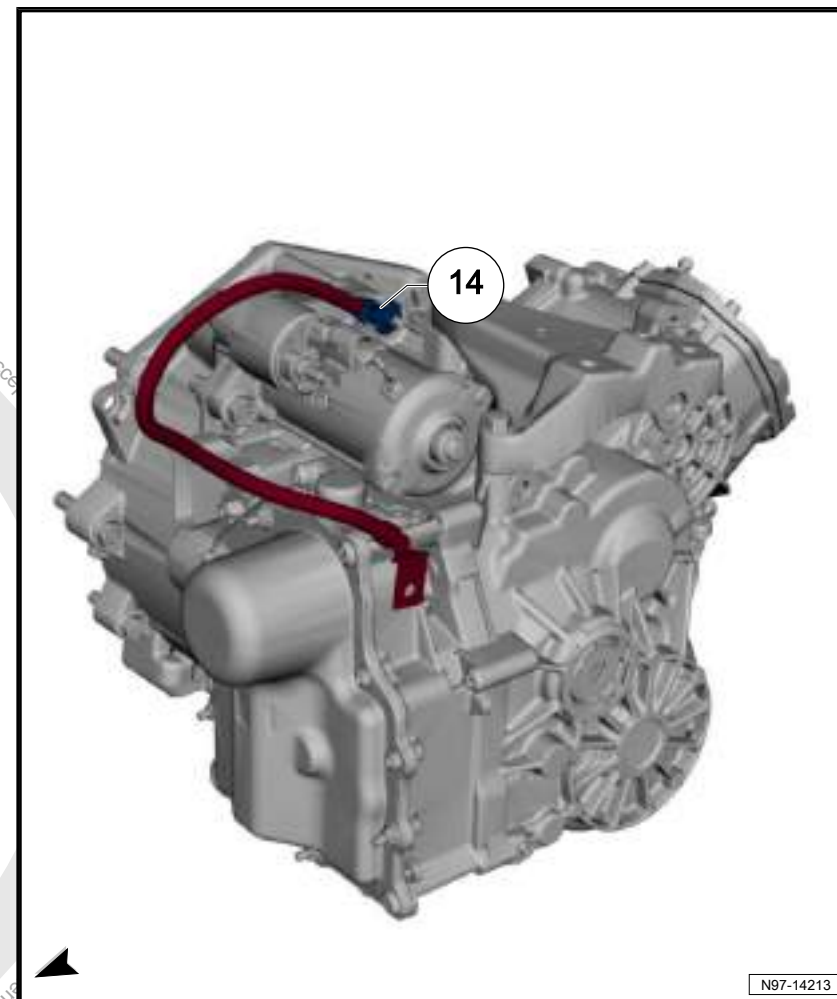


Note

For models with dual clutch gearbox, 0CW

14 - Earth point, on gearbox

□ Torque 20 Nm



1.1.16 Dual clutch gearbox, 0D9, 0GC

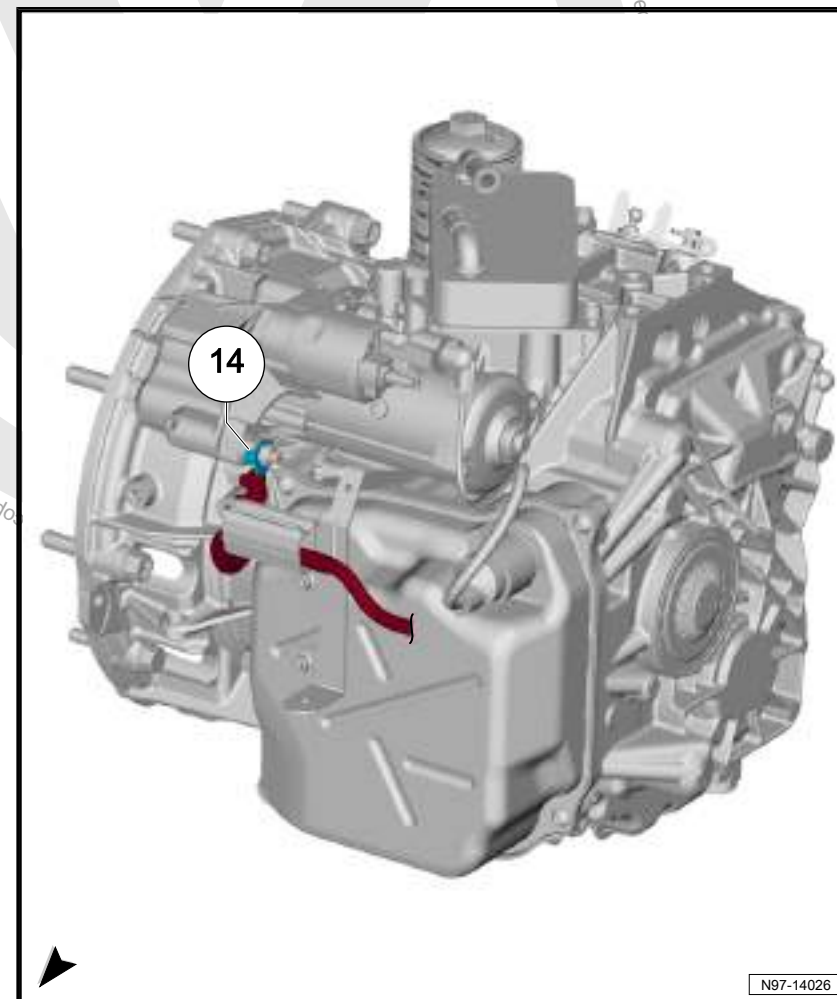


Note

For models with dual clutch gearbox, 0D9, 0GC

14 - Earth point, on gearbox

□ Torque 20 Nm



1.1.17 Automatic gearbox 09G

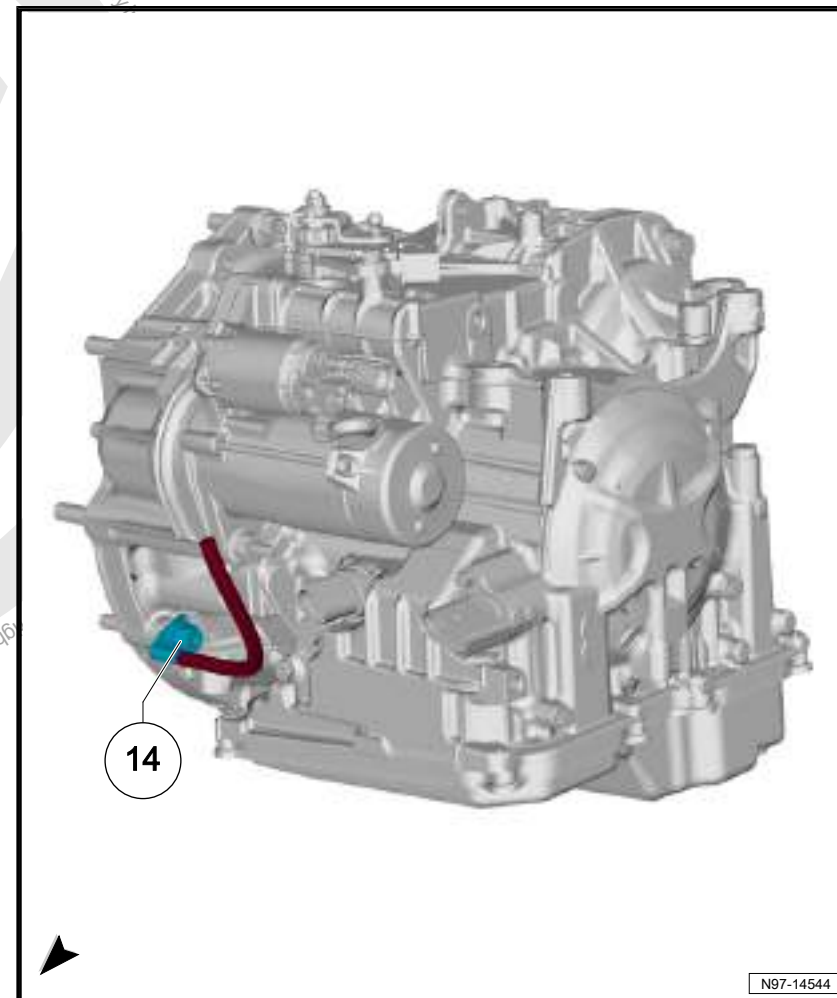


Note

For models with automatic gearbox, 09G

14 - Earth point, on gearbox

- ☐ Torque 20 Nm



1.2 Earth points in middle part of vehicle

- ◆ ⇒ ["1.2.1 Left of interior", page 20](#)
- ◆ ⇒ ["1.2.2 Right of interior", page 21](#)
- ◆ ⇒ ["1.2.3 Front passenger seat", page 22](#)

1.2.1 Left of interior

43 - Earth point, lower part of right A-pillar

- ❑ Specified torque 9 Nm

44 - Earth point, lower part of left A-pillar

- ❑ Specified torque 9 Nm

638 - Earth point, on right A-pillar

- ❑ Specified torque 9 Nm

684 - Earth point on front of left side member

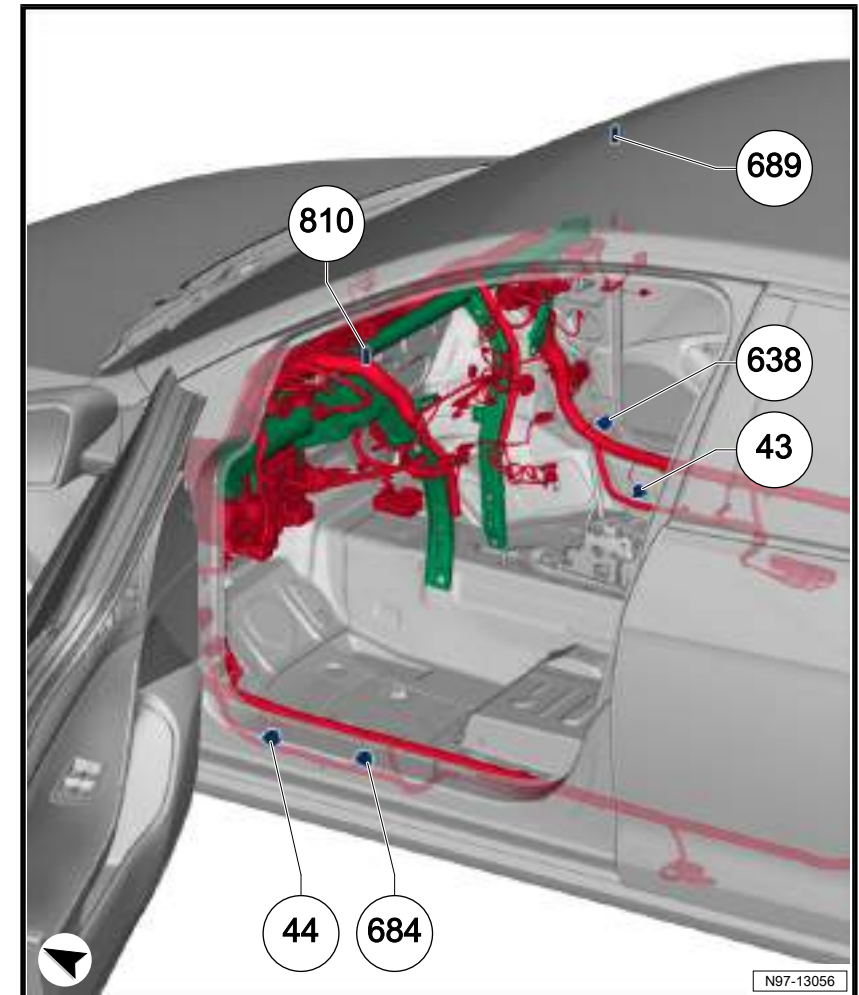
- ❑ Specified torque 9 Nm

689 - Earth point, at front, central in roof

- ❑ Specified torque 9 Nm

810 - Earth point on central tube for dash panel, centre left

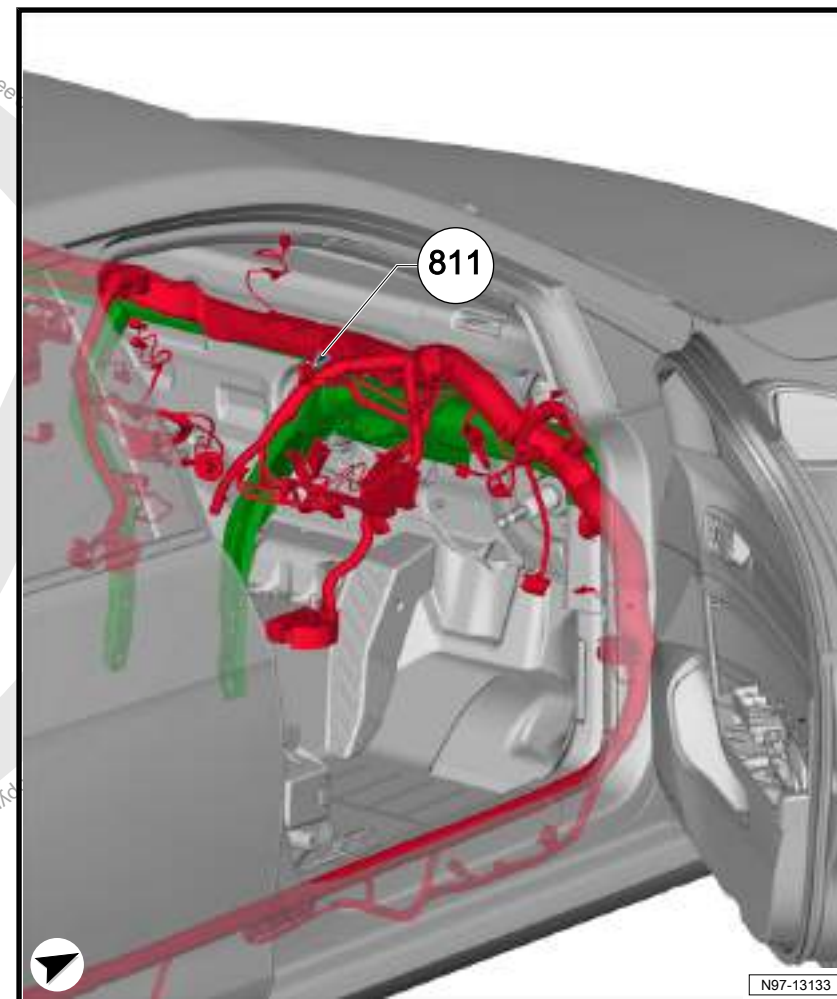
- ❑ Specified torque 9 Nm
- ❑ For left-hand drive models



1.2.2 Right of interior

811 - Earth point on central tube for dash panel, centre right

- ☐ Specified torque 9 Nm
- ☐ For right-hand drive models



1.2.3 Front passenger seat

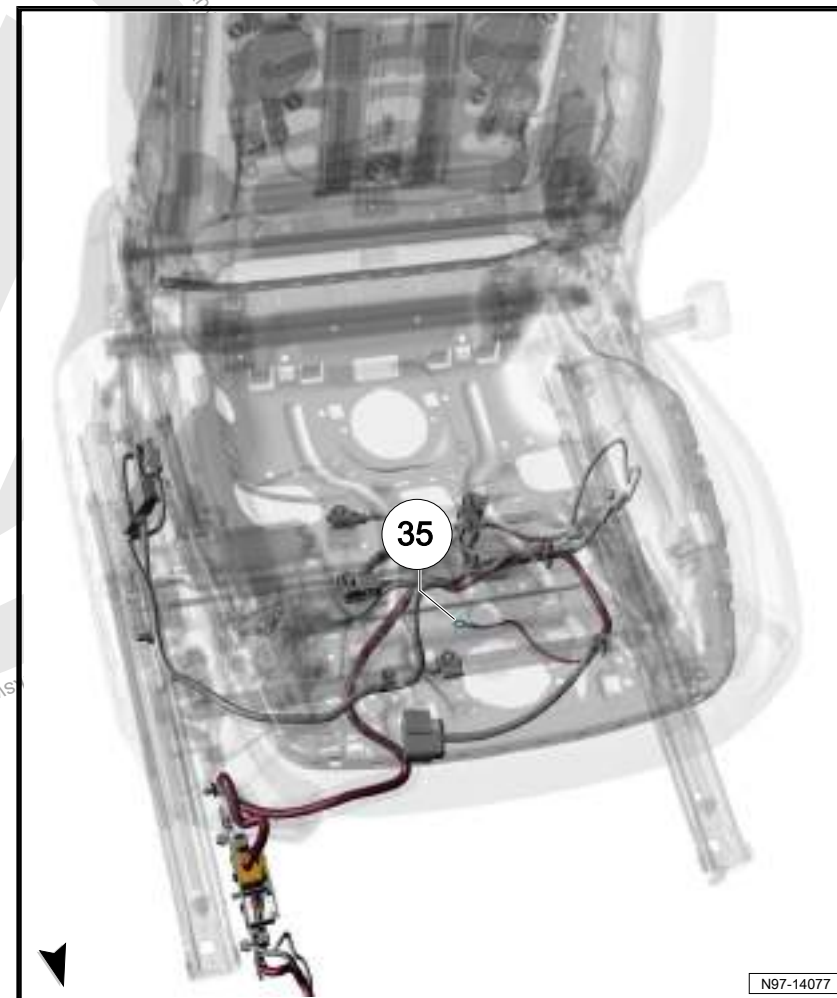


Note

For models with US equipment

35 - Earth point, under front passenger seat

- ☐ Specified torque 5Nm



1.3 Earth points in rear part of vehicle

- ♦ ⇒ [“1.3.1 Left luggage compartment”, page 23](#)
- ♦ ⇒ [“1.3.2 Right luggage compartment, rear lid”, page 24](#)

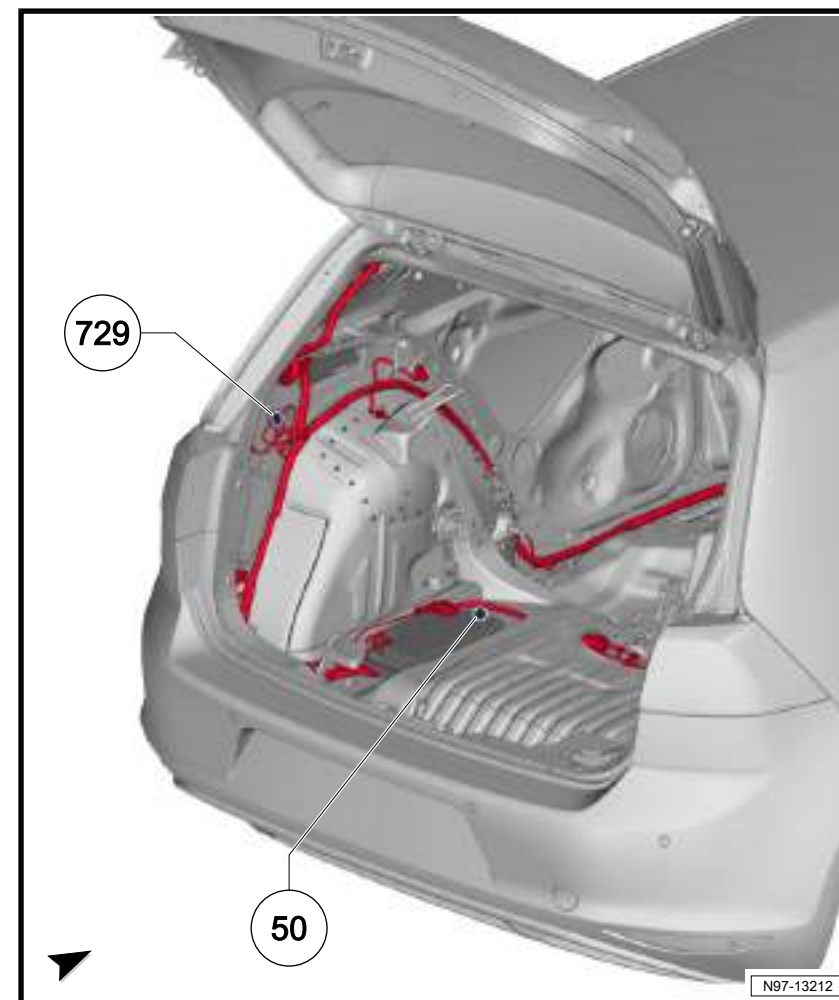
1.3.1 Left luggage compartment

729 - Earth point, on left rear wheel housing

- ☐ Specified torque 9 Nm

50 - Earth point, on left in luggage compartment

- ☐ Only for models with hybrid drive system
- ☐ Specified torque 9 Nm



1.3.2 Right luggage compartment, rear lid

62 - Earth point, right C-pillar

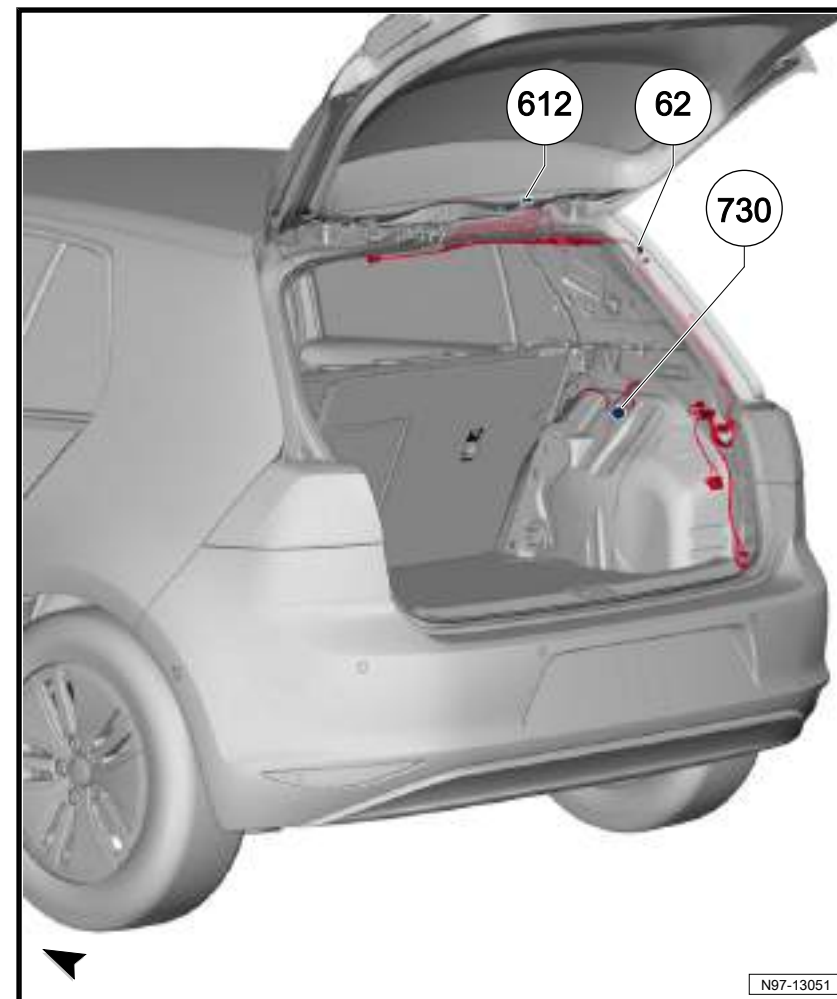
- ☐ Specified torque 2 Nm

612 - Earth point, centre on rear lid

- ☐ Specified torque 2 Nm

730 - Earth point 1, on right rear wheel housing

- ☐ Specified torque 9 Nm



1.4 Earth points on vehicle underbody

1.4.1 Earth points for models with hybrid drive system

**Note**

For models with hybrid drive system

782 - Earth point 1, on high-voltage battery

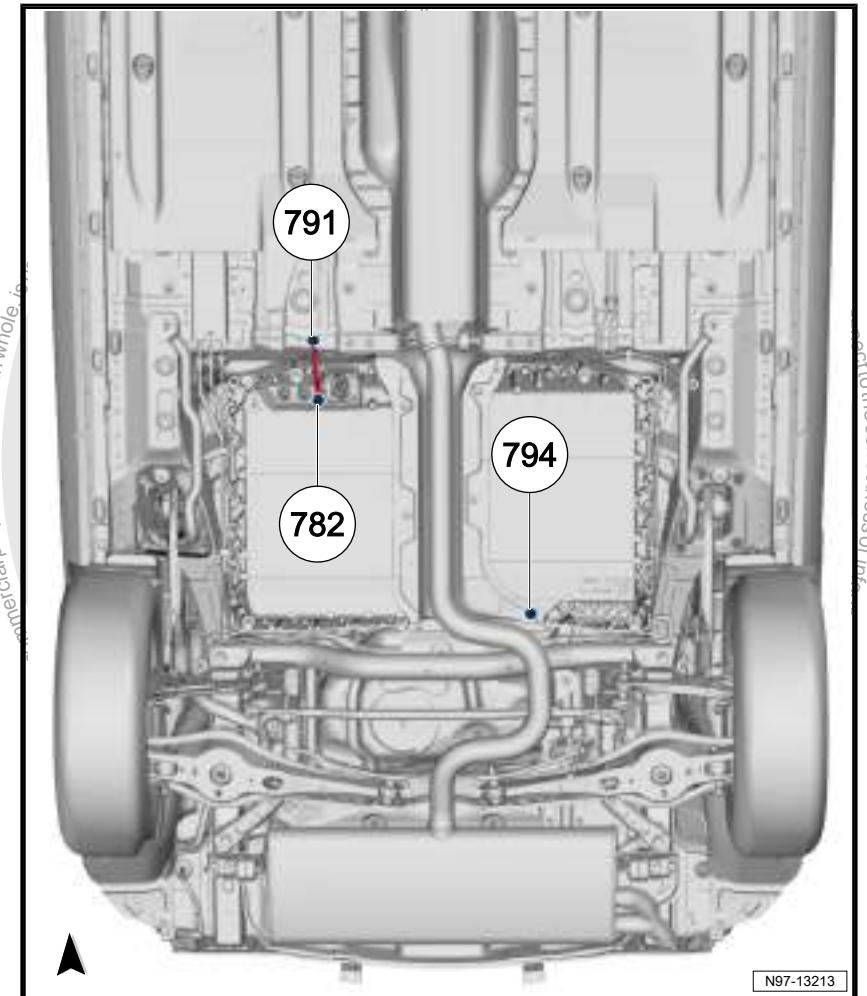
- ☐ Specified torque 9 Nm

791 - Earth point, on rear right of underbody

- ☐ Specified torque 9 Nm

794 - Earth point 1, in high-voltage battery

- ☐ Specified torque 9 Nm



1 Fuses

1.1 Overview of fuse holders



Note

The fitting locations are identical on LHD and RHD models.

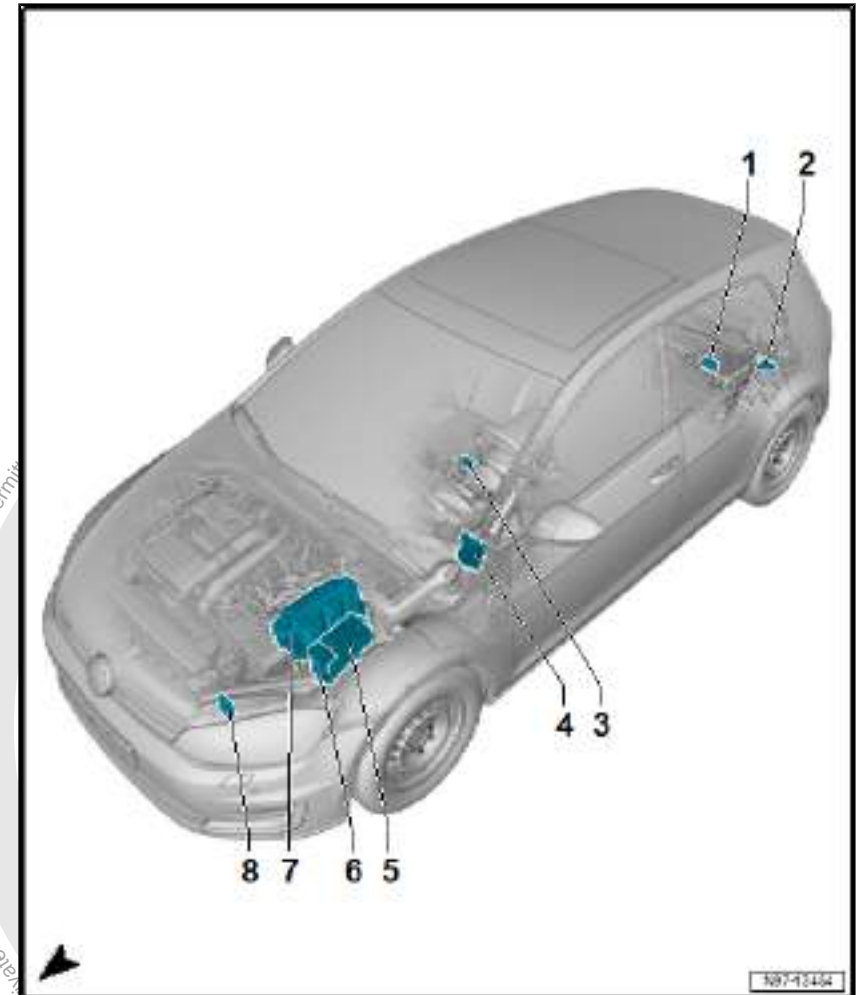
1 - Fuse holder F -SF-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 5](#)
- ☐ Fuse assignment, only for vehicles with no special vehicle interface, from August 2013
⇒ [page 6](#)
- ☐ Fitting location ⇒ [page 6](#)
- ☐ Fuse assignment, only for vehicles with special vehicle interface, from November 2013
⇒ [page 7](#)



2 - Fuse holder D -SD-



Note

Only models with hybrid drive system

- ☐ Fitting location ⇒ [page 8](#)
- ☐ Fuse assignment from July 2014 ⇒ [page 9](#)

3 - Fuse carrier 1 -ST1-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 120](#)
- ☐ Fuse assignment, only for special vehicles, from August 2013 ⇒ [page 121](#)

3 - Fuse carrier 2 -ST2-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 121](#)
- ☐ Fuse assignment, only for special vehicles, from May 2017 ⇒ [page 122](#)

3 - Fuse carrier 6 -ST6-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 123](#)
- ☐ Fuse assignment, only for special vehicles, from May 2017 ⇒ [page 124](#)



4 - Fuse holder C -SC-

- ☐ Fitting location, left-hand drive models [⇒ page 10](#)
- ☐ Fitting location, right-hand drive models [⇒ page 11](#)
- ☐ Fuse assignment, from August 2012 [⇒ page 12](#)
- ☐ Fuse assignment, from April 2013 [⇒ page 15](#)
- ☐ Fuse assignment, from November 2013 [⇒ page 19](#)
- ☐ Fuse assignment from May 2014 [⇒ page 23](#)
- ☐ Fuse assignment, from November 2014 [⇒ page 27](#)
- ☐ Fuse assignment, from May 2015 [⇒ page 31](#)
- ☐ Fuse assignment, from November 2015 [⇒ page 35](#)
- ☐ Fuse assignment, from May 2016 [⇒ page 39](#)
- ☐ Fuse assignment, from November 2016 [⇒ page 43](#)
- ☐ Fuse assignment, from May 2017 [⇒ page 48](#)
- ☐ Fuse assignment, from November 2017 [⇒ page 53](#)
- ☐ Fuse assignment, from July 2014, only models with hybrid drive system [⇒ page 57](#)
- ☐ Fuse assignment, from May 2015, only models with hybrid drive system [⇒ page 61](#)
- ☐ Fuse assignment, from November 2015, only models with hybrid drive system [⇒ page 65](#)
- ☐ Fuse assignment, from November 2016, only models with hybrid drive system [⇒ page 68](#)
- ☐ Fuse assignment, from May 2017, only models with hybrid drive system [⇒ page 72](#)
- ☐ Fuse assignment, from November 2017, only models with hybrid drive system [⇒ page 76](#)

4 - Relay and fuse carrier 3 -SR3-



Note

Only for special vehicles

- ☐ Fitting location [⇒ page 80](#)
- ☐ Fuse assignment, only for special vehicles, from April 2013 [⇒ page 81](#)

5 - Fuse holder B -SB-

- ☐ Fitting location ⇒ [page 82](#)
- ☐ Fuse assignment, from August 2012 ⇒ [page 83](#)
- ☐ Fuse assignment, from April 2013 ⇒ [page 86](#)
- ☐ Fuse assignment, from November 2013 ⇒ [page 90](#)
- ☐ Fuse assignment from May 2014 ⇒ [page 94](#)
- ☐ Fuse assignment from May 2016 ⇒ [page 98](#)
- ☐ Fuse assignment, from November 2016 ⇒ [page 102](#)
- ☐ Fuse assignment, from May 2017 ⇒ [page 106](#)
- ☐ Fuse assignment, from July 2014, only models with hybrid drive system ⇒ [page 110](#)
- ☐ Fuse assignment, from May 2017, only models with hybrid drive system ⇒ [page 113](#)

6 - Fuse holder A -SA-

- ☐ Fitting location ⇒ [page 115](#)
- ☐ Fuse assignment, from August 2012 ⇒ [page 116](#)
- ☐ Fuse assignment, from November 2016 ⇒ [page 117](#)
- ☐ Fuse assignment, from July 2014, only models with hybrid drive system ⇒ [page 117](#)

7 - High-voltage system fuse 3 -S353-

- ☐ Fitting location ⇒ [page 125](#)
- ☐ Fuse assignment, from July 2014 ⇒ [page 126](#)

8 - Fuse holder G -SG-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 118](#)
- ☐ Fuse assignment, only for special vehicles, from August 2013 ⇒ [page 119](#)

1.2 Fitting location of fuse holder F -SF- , only models with no special vehicle interface

1 - Fuse holder F -SF-

Fuse colours for J-Case fuse:

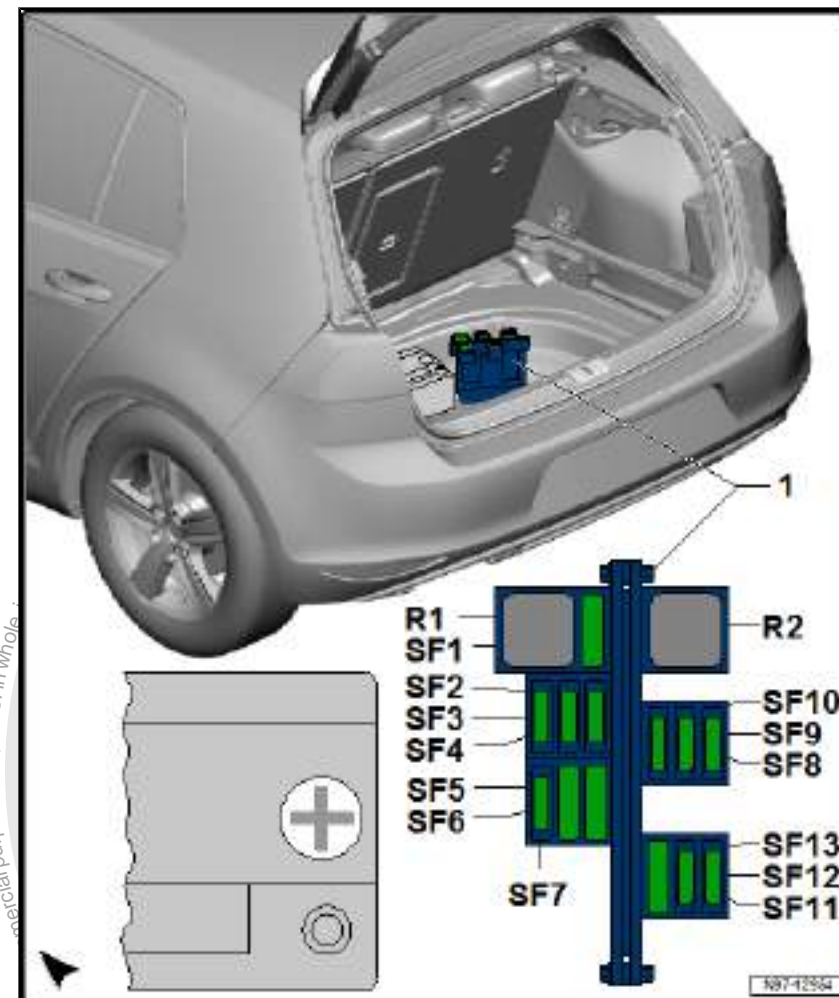
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.3 Fuse assignment for fuse holder F -SF-, only models with no special vehicle interface, from August 2013

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
SF1	Fuse 1 in fuse holder F -SF1-	2)	Special vehicle fuse ¹⁾	30
SF2	Fuse 2 in fuse holder F -SF2-	2)	Special vehicle fuse ¹⁾	30
SF3	Fuse 3 in fuse holder F -SF3-	2)	Special vehicle fuse ¹⁾	30
SF4	Fuse 4 in fuse holder F -SF4-	2)	Special vehicle fuse ¹⁾	30
SF5	Fuse 5 in fuse holder F -SF5-	2)	Special vehicle fuse ¹⁾	30
SF6	Fuse 6 in fuse holder F -SF6-	2)	Special vehicle fuse ¹⁾	30
SF7	Fuse 7 in fuse holder F -SF7-	2)	Special vehicle fuse ¹⁾	30
SF8	Fuse 8 in fuse holder F -SF8-	2)	Special vehicle fuse ¹⁾	30
SF9	Fuse 9 in fuse holder F -SF9-	2)	Special vehicle fuse ¹⁾	30
SF10	Fuse 10 in fuse holder F -SF10-	2)	Special vehicle fuse ¹⁾	30
SF11	Fuse 11 in fuse holder F -SF11-	2)	Special vehicle fuse ¹⁾	30
SF12	Fuse 12 in fuse holder F -SF12-	2)	Special vehicle fuse ¹⁾	30
SF13	Fuse 13 in fuse holder F -SF13-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

²⁾ Fuse rating, see installation description for special installations

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1.4 Fitting location of fuse holder F -SF-, only models with special vehicle interface

1 - Fuse holder F -SF-

Fuse colours for J-Case fuse:

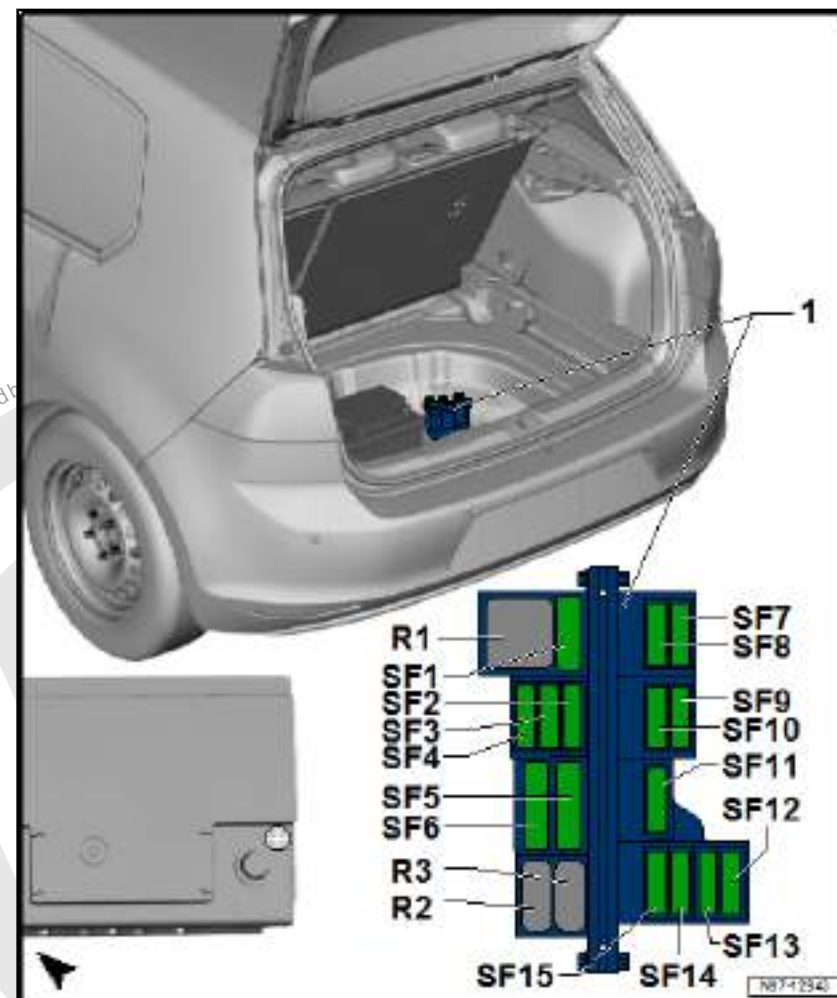
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.5 Fuse assignment for fuse holder F -SF- , only models with special vehicle interface, from November 2013

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
SF1	Fuse 1 in fuse holder F -SF1-	2)	Special vehicle fuse ¹⁾	30
SF2	Fuse 2 in fuse holder F -SF2-	2)	Special vehicle fuse ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
SF3	Fuse 3 in fuse holder F -SF3-	2)	Special vehicle fuse ¹⁾	30
SF4	Fuse 4 in fuse holder F -SF4-	2)	Special vehicle fuse ¹⁾	30
SF5	Fuse 5 in fuse holder F -SF5-	2)	Special vehicle fuse ¹⁾	30
SF6	Fuse 6 in fuse holder F -SF6-	2)	Special vehicle fuse ¹⁾	30
SF7	Fuse 7 in fuse holder F -SF7-	2)	Special vehicle fuse ¹⁾	30
SF8	Fuse 8 in fuse holder F -SF8-	2)	Special vehicle fuse ¹⁾	30
SF9	Fuse 9 in fuse holder F -SF9-	2)	Special vehicle fuse ¹⁾	30
SF10	Fuse 10 in fuse holder F -SF10-	2)	Special vehicle fuse ¹⁾	30
SF11	Fuse 11 in fuse holder F -SF11-	2)	Special vehicle fuse ¹⁾	30
SF12	Fuse 12 in fuse holder F -SF12-	2)	Special vehicle fuse ¹⁾	30
SF13	Fuse 13 in fuse holder F -SF13-	2)	Special vehicle fuse ¹⁾	30
SF14	Fuse 14 in fuse holder F -SF14-	2)	Special vehicle fuse ¹⁾	30
SF15	Fuse 15 in fuse holder F -SF15-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

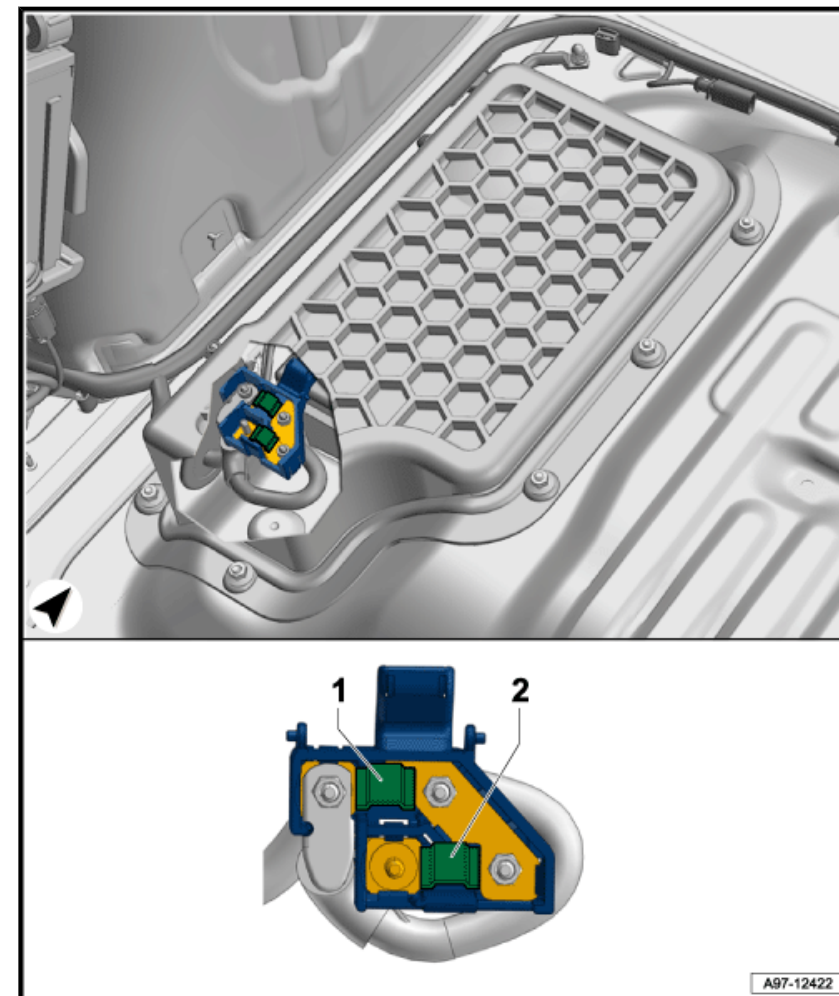
²⁾ Fuse rating, see installation description for special installations

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1.6 Fitting location of fuse holder D -SD- , only models with hybrid drive system

1 - Fuse 1 on fuse holder D -SD1-

2 - Fuse 2 on fuse holder D -SD2-



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1.7 Fuse assignment for fuse holder D -SD- , from July 2014, only models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
1	Fuse 1 on fuse holder D -SD1-	200 A	508 Threaded connection (30), on E-box ◆ Supply for fuse holder A -SA-	30
2	Not assigned	-		-

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1.8 Fitting location of fuse holder C -SC-

1.8.1 Fitting location of fuse holder C -SC- , LHD models

1 - Fuse holder C -SC-

Fuse colours for J-Case fuse:

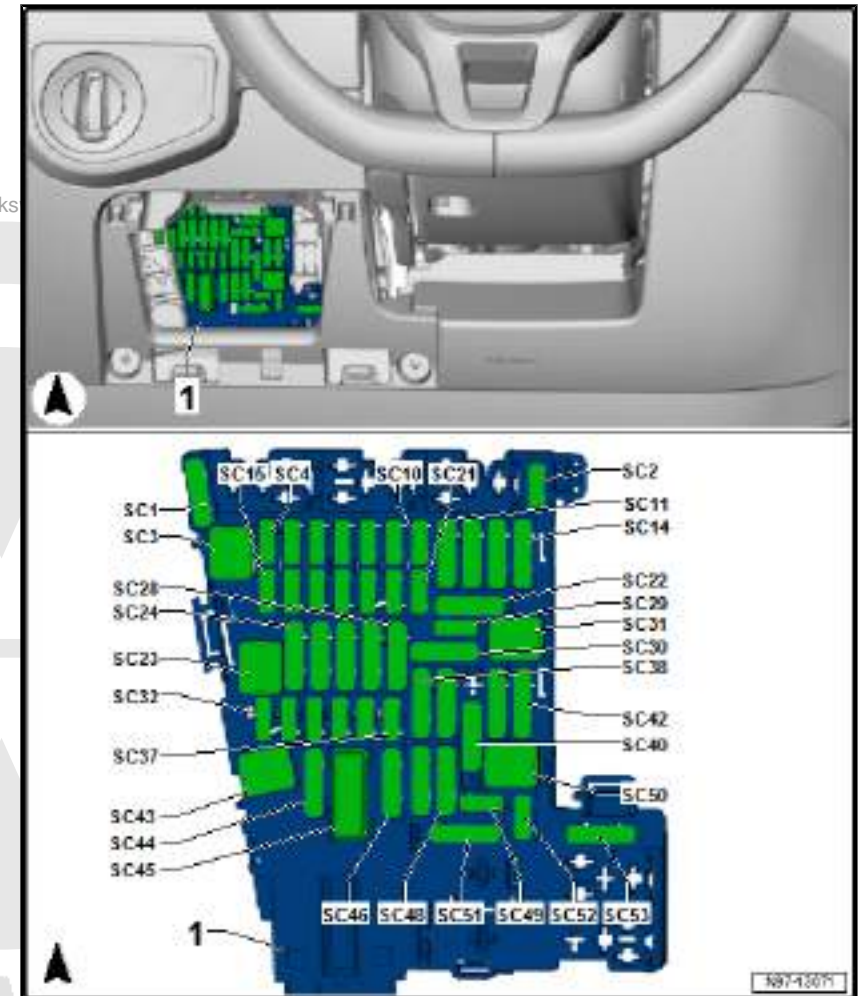
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.8.2 Fitting location of fuse holder C -SC- , RHD models

1 - Fuse holder C -SC-

Fuse colours for J-Case fuse:

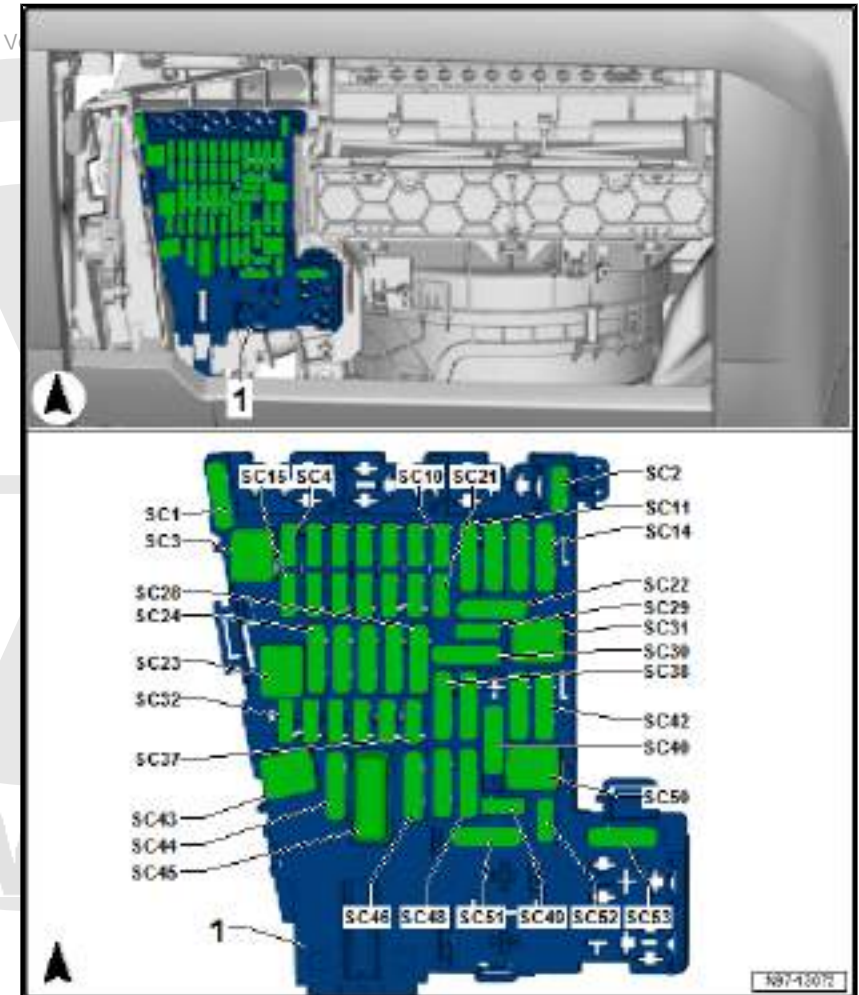
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.9 Fuse assignment of fuse holder C -SC- , from August 2012

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	not assigned	-		-
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	not assigned	-		-
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856-	30
F11	Fuse 11 on fuse holder C -SC11-	15 A	All-wheel drive control unit -J492-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ⁶⁾ 5 A ⁷⁾	Control unit 1 for information electronics -J794-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Aerial amplifier 3 -R112-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Voltage converter for USB charge module -A5-	
F17	Fuse 17 on fuse holder C -SC17-	5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	not assigned	-		-
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	20 A	Trailer detector control unit -J345-	30
F29	not assigned	-		15
F30	Fuse 30 on fuse holder C -SC30-	25 A	Control unit for front left belt tensioner -J854-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Relay for power sockets -J807- Terminal 15 relief relay -J404- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- TCS and ESP button -E256- Electromechanical parking brake button -E538-	
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	20 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18- 12 V socket 3 -U19-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	1 A	Steering column electronics control unit -J527-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ◆ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F48	not assigned	-		-
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	Fuse 51 on fuse holder C -SC51-	25 A	Control unit for front right belt tensioner -J855-	15
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) According to equipment
- 7) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.10 Fuse assignment for fuse holder C -SC- , from April 2013

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	not assigned	-		-
F3	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	not assigned	-		-
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856- TV tuner -RX6-	30
F11	Fuse 11 on fuse holder C -SC11-	15 A	All-wheel drive control unit -J492-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ⁷⁾ 5 A ⁸⁾	Control unit 1 for information electronics -J794-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Aerial amplifier 3 -R112- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Rear lid handle release button -E234-	
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	not assigned	-		-
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	20 A	Trailer detector control unit -J345-	30
F29	Fuse 29 on fuse holder C -SC29-		Special vehicle fuse/according to equipment	
F30	Fuse 30 on fuse holder C -SC30-	25 A	Control unit for front left belt tensioner -J854-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Electromechanical parking brake button -E538- TCS and ESP button -E256- Terminal 15 relief relay -J404- Control unit for structure-borne sound -J869- 6)	
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	20 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- 1) Rear right window regulator motor -V27- 1) Driver door control unit -J386- 2) Rear left window regulator motor -V26- 2)	30 30
F40 4), 5)	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- 3) 12 V socket -U5- 12 V socket 2 -U18-	15 4) / 30 5)
F41	Fuse 41 on fuse holder C -SC41-	1 A	Steering column electronics control unit -J527-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ◆ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	not assigned	-		-
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F50	not assigned	-		-
F51	Fuse 51 on fuse holder C -SC51-	25 A	Control unit for front right belt tensioner -J855-	15
F52	Fuse 52 on fuse holder C -SC52-	10 A	Engine sound generator control unit -J943-	15
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) According to equipment
- 8) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.11 Fuse assignment for fuse holder C -SC-, from November 2013

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	15 A	Steering column electronics control unit -J527- ⁷⁾	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	Fuse 9 on fuse holder C -SC9-	1 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856- TV tuner -RX6-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ⁸⁾ 5 A ⁹⁾	Control unit 1 for information electronics -J794-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Aerial amplifier 3 -R112- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	not assigned	-		-
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	20 A	Trailer detector control unit -J345-	30
F29	Fuse 29 on fuse holder C -SC29-	-	Special vehicle fuse/according to equipment	-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	20 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) According to equipment
- 9) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.12 Fuse assignment for fuse holder C -SC- , from May 2014

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 7)	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	Fuse 9 on fuse holder C -SC9-	1 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856- TV tuner -RX6-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ⁹⁾ 5 A ¹⁰⁾	Control unit 1 for information electronics -J794-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	Fuse 29 on fuse holder C -SC29-	-	Special vehicle fuse/according to equipment	-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

¹⁾ Only left-hand drive models

- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) According to equipment
- 10) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.13 Fuse assignment for fuse holder C -SC- , from November 2014

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 7)	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	Fuse 9 on fuse holder C -SC9-	5A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856- TV tuner -RX6-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	7.5 A ⁹⁾	Control unit for fuel tank leak detection -J909- ⁹⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	Fuse 29 on fuse holder C -SC29-		Special vehicle fuse/according to equipment	-
F30	not assigned			-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

¹⁾ Only left-hand drive models

- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.14 Fuse assignment for fuse holder C -SC- , from May 2015

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁷⁾	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Climatronic control unit -J255- Air conditioning system control unit -J301- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- Chip card reader -D8- USB hub -R293- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A ¹⁰⁾ 7.5 A ¹⁰⁾	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	7.5 A ⁹⁾	Control unit for fuel tank leak detection -J909- ⁹⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.15 Fuse assignment for fuse holder C -SC- , from November 2015

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527-	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- Chip card reader -D8- USB hub -R293- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A ¹⁰⁾ 7.5 A ¹⁰⁾	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	7.5 A ⁹⁾	Control unit for fuel tank leak detection -J909- ⁹⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			TCS and ESP button -E256-	
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.16 Fuse assignment for fuse holder C -SC- , from May 2016

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder C -SC1-	30 A	Control unit for reducing agent heater -J891-	30
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 7)	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	5A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- Chip card reader -D8- USB hub -R293- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A ¹⁰⁾ 7.5 A ¹⁰⁾	Control unit in dash panel insert -J285- Dash panel insert -KX2-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	7.5 A	Control unit for fuel tank leak detection -J909- ⁹⁾ Relay for reducing agent metering system -J963- ¹⁰⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- 6) TCS and ESP button -E256-	
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A	Control unit for right daytime running light and side light -J861-	15
F37	Fuse 37 on fuse holder C -SC37-	10 A	Control unit for left daytime running light and side light -J860-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- 1) Rear right window regulator motor -V27- 1) Driver door control unit -J386- 2) Rear left window regulator motor -V26- 2)	30
F40 4), 5)	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- 3) 12 V socket -U5- 12 V socket 2 -U18-	15 4) / 30 5)
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Starter relay 2 -J907-	
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.17 Fuse assignment for fuse holder C -SC-, from November 2016

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder C -SC1-	30 A	Control unit for reducing agent heater -J891-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁷⁾	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	5A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- TV tuner -RX6- ¹⁰⁾ CD player -R89- ¹⁰⁾	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	15 A	Electronically controlled damping control unit -J250-	30
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Chip card reader -D8- USB hub -R293-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F17	Fuse 17 on fuse holder C -SC17-	5 A ¹⁰⁾ 7.5 A ¹⁰⁾	Control unit in dash panel insert -J285- Dash panel insert -KX2- Emergency call module control unit and communication unit -J949- ¹⁰⁾	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- ¹⁰⁾ Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	7.5 A	Control unit for fuel tank leak detection -J909- ⁹⁾ Relay for reducing agent metering system -J963- ¹⁰⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- 6) TCS and ESP button -E256-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A 5 A ¹²⁾	Front right headlight -MX2- ♦ Control unit for right daytime running light and side light -J861- 10) ♦ Output module 1 for right LED headlight -A27- 10) ♦ Output module for right headlight -J668- 10)	15
F37	Fuse 37 on fuse holder C -SC37-	10 A 5 A ¹²⁾	Front left headlight -MX1- ♦ Control unit for left daytime running light and side light -J860- 10) ♦ Output module 1 for left LED headlight -A31- 10) ♦ Output module for left headlight -J667- 10)	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- 1) Rear right window regulator motor -V27- 1) Driver door control unit -J386- 2) Rear left window regulator motor -V26- 2)	30 30
F40 4), 5)	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- 3) 12 V socket -U5-	15 4) / 30 5)

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			12 V socket 2 -U18-	
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ¹⁰⁾ Driver seat adjustment operating unit -E470- ¹⁰⁾ Driver seat adjustment control unit -J810- ¹⁰⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

¹⁾ Only left-hand drive models

²⁾ Only right-hand drive models

³⁾ Smokers version

⁴⁾ Factory fitted with power supply from terminal 15

⁵⁾ Power supply via terminal 30 possible

⁶⁾ Only models with GTI equipment

⁷⁾ Only models with heated steering wheel

⁸⁾ Only models with Blind Spot Monitor

⁹⁾ Only for American markets

¹⁰⁾ According to equipment

11) Only models with standard display without radio

12) Only models with LED headlights



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.18 Fuse assignment for fuse holder C -SC- , from May 2017

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder C -SC1-	30 A 20 A ¹⁰⁾	Control unit for reducing agent heater -J891-	30
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁷⁾	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A 7.5 A ¹⁰⁾	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F9	Fuse 9 on fuse holder C -SC9-	5A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- TV tuner -RX6- ¹⁰⁾ CD player -R89- ¹⁰⁾	30
F11	Fuse 11 on fuse holder C -SC11-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	25 A	Control unit for front left belt tensioner -J854-	30
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Chip card reader -D8- USB hub -R293-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A ¹⁰⁾ 7.5 A ¹⁰⁾	Control unit in dash panel insert -J285- Dash panel insert -KX2- Emergency call module control unit and communication unit -J949- ¹⁰⁾	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- ¹⁰⁾ Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	5 A ¹⁰⁾ 10 A ¹⁰⁾	Control unit for fuel tank leak detection -J909- ⁹⁾ Relay for reducing agent metering system -J963- ¹⁰⁾ Charge voltage control unit for high-voltage battery -J966- ¹⁰⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	30 A	Sliding sunroof adjustment control unit -J245-	30
F24	Fuse 24 on fuse holder C -SC24-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Onboard supply control unit -J519-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	not assigned	-		-
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁸⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F36	Fuse 36 on fuse holder C -SC36-	10 A 5 A ¹²⁾	Front right headlight -MX2- ♦ Control unit for right daytime running light and side light -J861- ¹⁰⁾ ♦ Output module 1 for right LED headlight -A27- ¹⁰⁾ ♦ Output module for right headlight -J668- ¹⁰⁾	15
F37	Fuse 37 on fuse holder C -SC37-	10 A 5 A ¹²⁾	Front left headlight -MX1- ♦ Control unit for left daytime running light and side light -J860- ¹⁰⁾ ♦ Output module 1 for left LED headlight -A31- ¹⁰⁾ ♦ Output module for left headlight -J667- ¹⁰⁾	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Digital sound package control unit -J525-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ¹⁰⁾ Driver seat adjustment operating unit -E470- ¹⁰⁾ Driver seat adjustment control unit -J810- ¹⁰⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F50	not assigned	-		-
F51	not assigned	-		-
F52	Fuse 52 on fuse holder C -SC52-	15 A	Electronically controlled damping control unit -J250-	30
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	30

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with GTI equipment
- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio
- 12) Only models with LED headlights



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.19 Fuse assignment for fuse holder C -SC- , from November 2017

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder C -SC1-	30 A 20 A ¹⁰⁾	Control unit for reducing agent heater -J891-	30
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁷⁾	30
F3	Fuse 3 on fuse holder C -SC3-	-	Special vehicle fuse/according to equipment	-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	7.5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A 7.5 A ¹⁰⁾	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Heater control unit -J65- Climatronic control unit -J255- Air conditioning system control unit -J301- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	7.5 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	7.5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- TV tuner -RX6- ¹⁰⁾ CD player -R89- ¹⁰⁾	30
F11	Fuse 11 on fuse holder C -SC11-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A ¹⁰⁾ 7.5 A ¹¹⁾	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	25 A	Control unit for front left belt tensioner -J854-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Chip card reader -D8- USB hub -R293-	30
F17	Fuse 17 on fuse holder C -SC17-	7.5 A	Control unit in dash panel insert -J285- Dash panel insert -KX2- Emergency call module control unit and communication unit -J949- ¹⁰⁾	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- ¹⁰⁾ Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	Fuse 20 on fuse holder C -SC20-	5 A ¹⁰⁾ 10 A ¹⁰⁾ 7.5 A ¹⁰⁾	Charge voltage control unit for high-voltage battery -J966- ¹⁰⁾ Relay for reducing agent metering system -J963- ¹⁰⁾ Charge voltage control unit for high-voltage battery -J966- ¹⁰⁾	30
F21	Fuse 21 on fuse holder C -SC21-	15 A	All-wheel drive control unit -J492-	30
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	20 A	Sliding sunroof adjustment control unit -J245-	30
F24	Fuse 24 on fuse holder C -SC24-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Onboard supply control unit -J519-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	not assigned	-		-
F31	not assigned	-		-
F32	Fuse 32 on fuse holder C -SC32-	7.5 A	Front camera for driver assist systems -R242-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
		10 A ⁸⁾	Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	
F33	Fuse 33 on fuse holder C -SC33-	7.5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Pressure sender for refrigerant circuit -G805- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869- ⁶⁾ TCS and ESP button -E256-	15
F35	Fuse 35 on fuse holder C -SC35-	7.5 A	Diagnostic connection -U31- Headlight range control and instrument illumination regulator -EX14- Control unit for cornering light and headlight range control -J745- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
F36	Fuse 36 on fuse holder C -SC36-	10 A ¹⁰⁾ 7.5 A ¹²⁾	Front right headlight -MX2- ◆ Control unit for right daytime running light and side light -J861- ¹⁰⁾ ◆ Output module 1 for right LED headlight -A27- ¹⁰⁾ ◆ Output module for right headlight -J668- ¹⁰⁾	15
F37	Fuse 37 on fuse holder C -SC37-	10 A ¹⁰⁾ 7.5 A ¹²⁾	Front left headlight -MX1- ◆ Control unit for left daytime running light and side light -J860- ¹⁰⁾ ◆ Output module 1 for left LED headlight -A31- ¹⁰⁾ ◆ Output module for left headlight -J667- ¹⁰⁾	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Digital sound package control unit -J525-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ¹⁰⁾ Driver seat adjustment operating unit -E470- ¹⁰⁾ Driver seat adjustment control unit -J810- ¹⁰⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	10A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	7.5 A	Clutch position sender -G476- Starter relay 1 -J906- Starter relay 2 -J907-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	Fuse 52 on fuse holder C -SC52-	15 A	Electronically controlled damping control unit -J250-	30
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	30

¹⁾ Only left-hand drive models

²⁾ Only right-hand drive models

³⁾ Smokers version

⁴⁾ Factory fitted with power supply from terminal 15

⁵⁾ Power supply via terminal 30 possible

⁶⁾ Only models with GTI equipment

- 7) Only models with heated steering wheel
- 8) Only models with Blind Spot Monitor
- 9) Only for American markets
- 10) According to equipment
- 11) Only models with standard display without radio
- 12) Only models with LED headlights



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.20 Fuse assignment for fuse holder C -SC-, from July 2014, only models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned			-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁶⁾	30
F3	not assigned			-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Diagnostic connection -U31-	
F9	Fuse 9 on fuse holder C -SC9-	1 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	10 A	Display unit for front information display and operating unit control unit -J685- Control unit for navigation system -J856- TV tuner -RX6-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794-	30
F13	not assigned	-		-
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	5 A	Output module 1 for right LED headlight -A27-	15
F37	Fuse 37 on fuse holder C -SC37-	5 A	Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾	30 30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Rear left window regulator motor -V26- ²⁾	
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

1) Only left-hand drive models

2) Only right-hand drive models

3) Smokers version

4) Factory fitted with power supply from terminal 15

5) Power supply via terminal 30 possible

6) Only models with heated steering wheel

7) Only models with Blind Spot Monitor



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.21 Fuse assignment for fuse holder C -SC-, from May 2015, only for models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527-	30
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Anti-theft alarm sensor -G578-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Selector lever -E313- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31-	30
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A ⁸⁾ 7.5 A ⁸⁾	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	5 A	Output module 1 for right LED headlight -A27-	15
F37	Fuse 37 on fuse holder C -SC37-	5 A	Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with heated steering wheel
- 7) Only models with Blind Spot Monitor
- 8) According to equipment



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.22 Fuse assignment for fuse holder C -SC- , from November 2015, only for models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 6)	30
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685-	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	not assigned	-		-
F14	Fuse 14 on fuse holder C -SC14-	30 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			TV tuner -RX6-	
F17	Fuse 17 on fuse holder C -SC17-	5 A ⁸⁾ 7.5 A ⁸⁾	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned			-
F21	not assigned	-		-
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Warning lamp for airbag deactivated on front passenger side -K145-	
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	5 A	Output module 1 for right LED headlight -A27-	15
F37	Fuse 37 on fuse holder C -SC37-	5 A	Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- Driver seat adjustment operating unit -E470-	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with heated steering wheel
- 7) Only models with Blind Spot Monitor
- 8) According to equipment



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.23 Fuse assignment for fuse holder C -SC- , from November 2016, only for models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- ⁶⁾	30
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- CD player -R89- 8)	30
F11	Fuse 11 on fuse holder C -SC11-	25 A	Control unit for front left belt tensioner -J854-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	not assigned	-		-
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A 8) 7.5 A 8)	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F24	Fuse 24 on fuse holder C -SC24-	30 A	Sliding sunroof adjustment control unit -J245-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Digital sound package control unit -J525-	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	5 A	Front right headlight -MX2- ♦ Output module 1 for right LED headlight -A27-	15
F37	Fuse 37 on fuse holder C -SC37-	5 A	Front left headlight -MX1- ♦ Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Onboard supply control unit -J519-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ⁸⁾ Driver seat adjustment operating unit -E470- ⁸⁾ Driver seat adjustment control unit -J810- ⁸⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	not assigned	-		-
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	15

- 1) Only left-hand drive models
- 2) Only right-hand drive models
- 3) Smokers version
- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with heated steering wheel
- 7) Only models with Blind Spot Monitor
- 8) According to equipment



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.24 Fuse assignment for fuse holder C -SC- , from May 2017, only for models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 6)	30
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	10 A	Rotary light switch -EX1-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	
F9	Fuse 9 on fuse holder C -SC9-	5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- CD player -R89- 8)	30
F11	Fuse 11 on fuse holder C -SC11-	40 A	Onboard supply control unit -J519-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	25 A	Control unit for front left belt tensioner -J854-	30
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	5 A 8) 7.5 A 8)	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	30 A	Sliding sunroof adjustment control unit -J245- Sunroof roller blind control unit -J394-	30
F24	Fuse 24 on fuse holder C -SC24-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- 1)	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Onboard supply control unit -J519- ♦ Interior lighting	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15
F35	Fuse 35 on fuse holder C -SC35-	10 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	5 A	Front right headlight -MX2- ♦ Output module 1 for right LED headlight -A27-	15

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F37	Fuse 37 on fuse holder C -SC37-	5 A	Front left headlight -MX1- ♦ Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ♦ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Digital sound package control unit -J525-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ⁸⁾ Driver seat adjustment operating unit -E470- ⁸⁾ Driver seat adjustment control unit -J810- ⁸⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	Fuse 52 on fuse holder C -SC52-	15 A	Electronically controlled damping control unit -J250-	30
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	30

¹⁾ Only left-hand drive models

²⁾ Only right-hand drive models

³⁾ Smokers version

- 4) Factory fitted with power supply from terminal 15
- 5) Power supply via terminal 30 possible
- 6) Only models with heated steering wheel
- 7) Only models with Blind Spot Monitor
- 8) According to equipment



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.25 Fuse assignment for fuse holder C -SC- , from November 2017, only for models with hybrid drive system

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	not assigned	-		-
F2	Fuse 2 on fuse holder C -SC2-	10 A	Steering column electronics control unit -J527- 6)	30
F3	not assigned	-		-
F4	Fuse 4 on fuse holder C -SC4-	10 A	Onboard supply control unit -J519- ♦ Anti-theft alarm system	30
F5	Fuse 5 on fuse holder C -SC5-	7.5 A	Data bus diagnostic interface -J533-	30
F6	Fuse 6 on fuse holder C -SC6-	5 A	Selector lever -E313-	30
F7	Fuse 7 on fuse holder C -SC7-	10 A	Heater and air conditioning controls -EX21- Climatronic control unit -J255- Remote control receiver for auxiliary coolant heater -R149- Heated rear window relay -J9-	30
F8	Fuse 8 on fuse holder C -SC8-	7.5 A	Rotary light switch -EX1- Electromechanical parking brake button -E538- Rain and light sensor -G397- Diagnostic connection -U31- Anti-theft alarm sensor -G578-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F9	Fuse 9 on fuse holder C -SC9-	7.5 A	Steering column electronics control unit -J527-	30
F10	Fuse 10 on fuse holder C -SC10-	7.5 A	Display unit for front information display and operating unit control unit -J685- CD player -R89- ⁸⁾	30
F11	Fuse 11 on fuse holder C -SC11-	40 A	Onboard supply control unit -J519-	30
F12	Fuse 12 on fuse holder C -SC12-	20 A	Control unit 1 for information electronics -J794- Control unit for navigation system -J856-	30
F13	Fuse 13 on fuse holder C -SC13-	25 A	Control unit for front left belt tensioner -J854-	30
F14	Fuse 14 on fuse holder C -SC14-	40 A	Fresh air blower control unit -J126-	30
F15	Fuse 15 on fuse holder C -SC15-	10 A	Control unit for electronic steering column lock -J764-	30
F16	Fuse 16 on fuse holder C -SC16-	7.5 A	Two-way signal amplifier for mobile telephone/data services -J984- Storage compartment with interface for mobile telephone -R265- Voltage converter for USB charge module -A5- USB hub -R293- Chip card reader -D8- TV tuner -RX6-	30
F17	Fuse 17 on fuse holder C -SC17-	7.5 A	Dash panel insert -KX2- Emergency call module control unit and communication unit -J949-	30
F18	Fuse 18 on fuse holder C -SC18-	7.5 A	Reversing camera -R189- Rear lid handle release button -E234-	30
F19	Fuse 19 on fuse holder C -SC19-	7.5 A	Interface for entry and start system -J965-	30
F20	not assigned	-		-
F21	not assigned	-		-
F22	Fuse 22 on fuse holder C -SC22-	15 A	Trailer detector control unit -J345-	30
F23	Fuse 23 on fuse holder C -SC23-	20 A	Sliding sunroof adjustment control unit -J245- Sunroof roller blind control unit -J394-	30
F24	Fuse 24 on fuse holder C -SC24-	40 A	Onboard supply control unit -J519- ♦ Front right headlight -MX2-	30
F25	Fuse 25 on fuse holder C -SC25-	30 A	Driver door control unit -J386- ¹⁾ Rear left window regulator motor -V26- ¹⁾ Front passenger door control unit -J387- ²⁾ Rear right window regulator motor -V27- ²⁾	30 30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F26	Fuse 26 on fuse holder C -SC26-	30 A	Onboard supply control unit -J519- ♦ Front seat heating	30
F27	Fuse 27 on fuse holder C -SC27-	30 A	Onboard supply control unit -J519- ♦ Interior lighting	30
F28	Fuse 28 on fuse holder C -SC28-	25 A	Trailer detector control unit -J345-	30
F29	not assigned	-		-
F30	Fuse 30 on fuse holder C -SC30-	10 A	High-voltage battery 1 -AX2- Maintenance connector for high-voltage system -TW-	30
F31	Fuse 31 on fuse holder C -SC31-	40 A	Onboard supply control unit -J519- ♦ Front left headlight -MX1-	30
F32	Fuse 32 on fuse holder C -SC32-	7.5 A 10 A ⁷⁾	Front camera for driver assist systems -R242- Adaptive cruise control unit -J428- Parking aid control unit -J446- Park assist steering control unit -J791- Blind Spot Monitor control unit -J1086- Blind Spot Monitor control unit 2 -J1087-	15
F33	Fuse 33 on fuse holder C -SC33-	7.5 A	Airbag control unit -J234- Warning lamp for airbag deactivated on front passenger side -K145-	15
F34	Fuse 34 on fuse holder C -SC34-	7.5 A	Rotary light switch -EX1- Interior mirror -EX5- Relay for power sockets -J807- Reversing light switch -F4- Air quality sensor -G238- Electromechanical parking brake button -E538- Control unit for structure-borne sound -J869-	15
F35	Fuse 35 on fuse holder C -SC35-	7.5 A	Diagnostic connection -U31- Control unit for cornering light and headlight range control -J745-	15
F36	Fuse 36 on fuse holder C -SC36-	7.5 A	Front right headlight -MX2- ♦ Output module 1 for right LED headlight -A27-	15
F37	Fuse 37 on fuse holder C -SC37-	7.5 A	Front left headlight -MX1- ♦ Output module 1 for left LED headlight -A31-	15
F38	Fuse 38 on fuse holder C -SC38-	25 A	Trailer detector control unit -J345-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F39	Fuse 39 on fuse holder C -SC39-	30 A	Front passenger door control unit -J387- ¹⁾ Rear right window regulator motor -V27- ¹⁾ Driver door control unit -J386- ²⁾ Rear left window regulator motor -V26- ²⁾	30 30
F40 ^{4), 5)}	Fuse 40 on fuse holder C -SC40-	20 A	Cigarette lighter -U1- ³⁾ 12 V socket -U5- 12 V socket 2 -U18-	15 ⁴⁾ / 30 ⁵⁾
F41	Fuse 41 on fuse holder C -SC41-	25 A	Control unit for front right belt tensioner -J855-	30
F42	Fuse 42 on fuse holder C -SC42-	40 A	Onboard supply control unit -J519- ◆ Central locking	30
F43	Fuse 43 on fuse holder C -SC43-	30 A	Digital sound package control unit -J525-	30
F44	Fuse 44 on fuse holder C -SC44-	15 A	Trailer detector control unit -J345-	30
F45	Fuse 45 on fuse holder C -SC45-	15 A	Driver seat lumbar support adjustment switch -E176- ⁸⁾ Driver seat adjustment operating unit -E470- ⁸⁾ Driver seat adjustment control unit -J810- ⁸⁾	30
F46	not assigned	-		-
F47	Fuse 47 on fuse holder C -SC47-	15 A	Rear window wiper motor -V12-	15
F48	Fuse 48 on fuse holder C -SC48-	7.5 A	Engine sound generator control unit -J943-	15
F49	Fuse 49 on fuse holder C -SC49-	7.5 A	High-voltage battery 1 -AX2- Power and control electronics for electric drive -JX1-	15
F50	not assigned	-		-
F51	not assigned	-		-
F52	Fuse 52 on fuse holder C -SC52-	15 A	Electronically controlled damping control unit -J250-	30
F53	Fuse 53 on fuse holder C -SC53-	30 A	Heated rear window relay -J9-	30

¹⁾ Only left-hand drive models

²⁾ Only right-hand drive models

³⁾ Smokers version

⁴⁾ Factory fitted with power supply from terminal 15

⁵⁾ Power supply via terminal 30 possible

⁶⁾ Only models with heated steering wheel

- 7) Only models with Blind Spot Monitor
- 8) According to equipment



Note

The fuse SC40 is supplied via terminal 15 from the factory and can be supplied via terminal 30 by reconnecting. If a consumer is connected to the electric socket or to the cigarette lighter, ensure that the consumer is disconnected from the voltage supply when the engine is switched off to prevent the drive battery being discharged.

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1.26 Fitting location of relay and fuse carrier 3 -SR3- , only for special vehicles



1 - Relay and fuse carrier 3 -SR3-

Fuse colours for J-Case fuse:

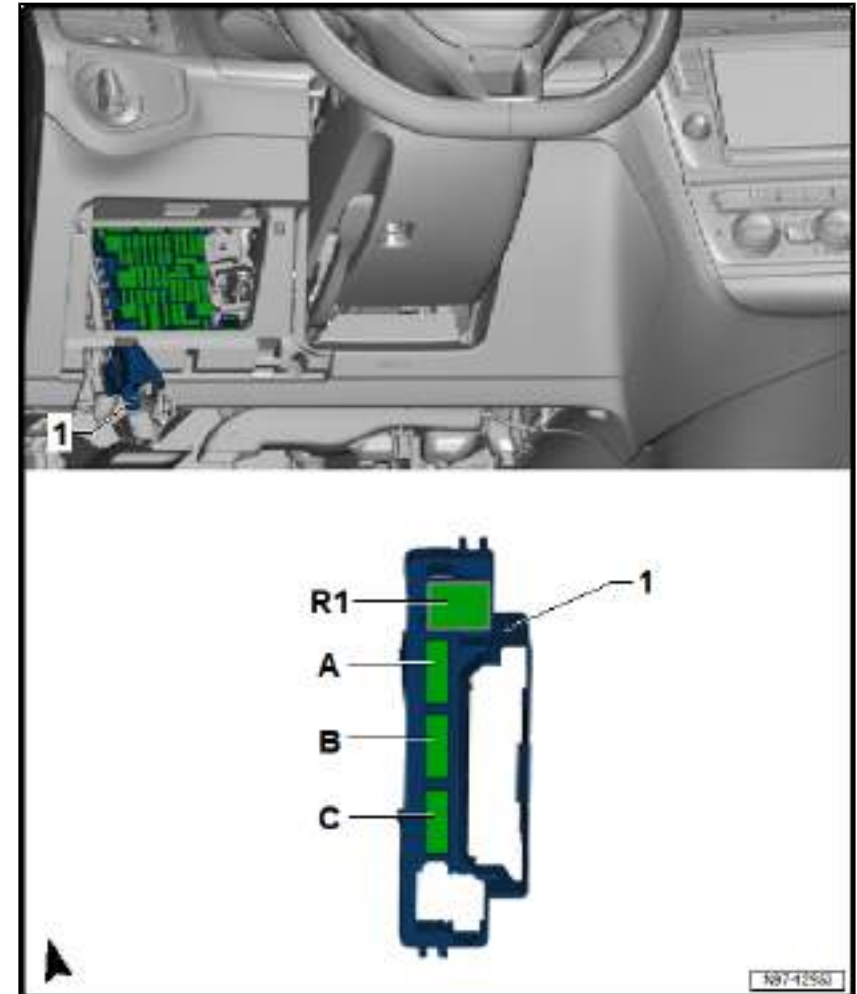
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.27 Fuse assignment for relay and fuse carrier 3 -SR3- , only for special vehicles, from April 2013

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
A	Special vehicle fuse 4 -S294-	2)	Special vehicle fuse ¹⁾	30
	Special vehicle fuse 5 -S295-	2)	Special vehicle fuse ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
B	Special vehicle fuse 6 -S296-	2)	Special vehicle fuse ¹⁾	30
C	Special vehicle fuse 7 -S297-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

²⁾ Fuse rating, see installation description for special installations

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1.28 Fitting location of fuse holder B -SB-



Note

The fitting locations are identical on LHD and RHD models.

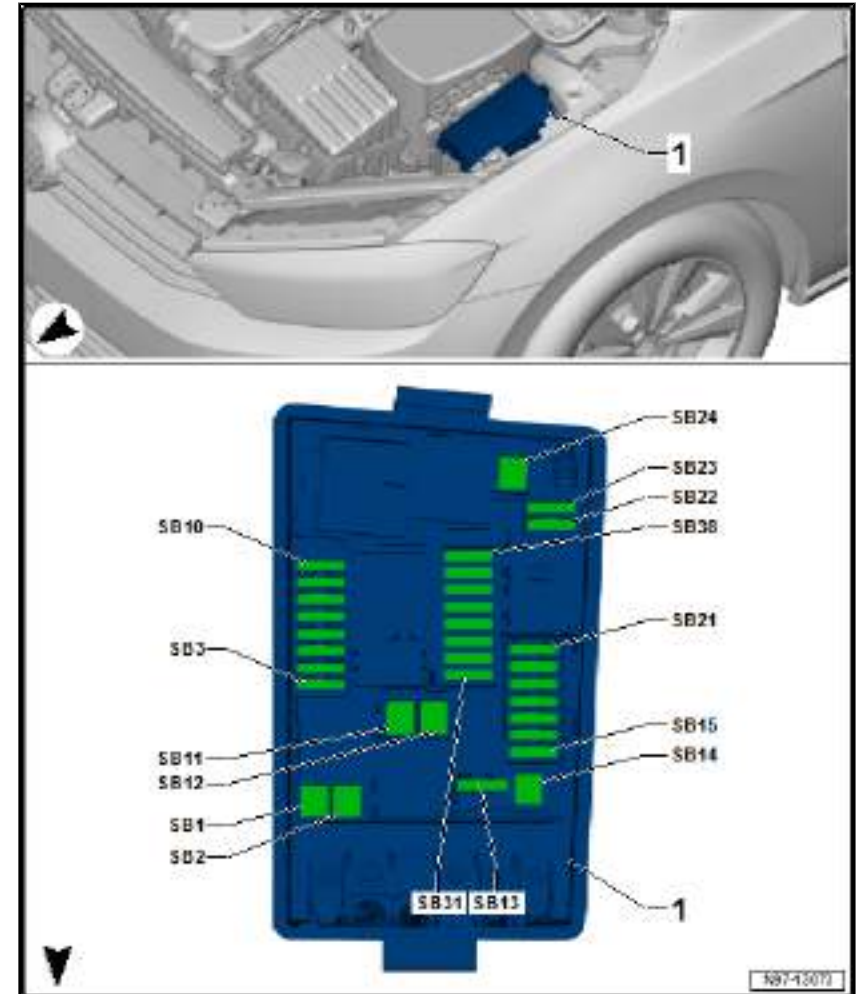
1 - Fuse holder B -SB-

Fuse colours for J-Case fuse:

- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.29 Fuse assignment of fuse holder B -SB-, from August 2012

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾	87
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾	Fuel pressure regulating valve -N276- Fuel metering valve -N290-	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾ Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾ Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ²⁾ Auxiliary pump for heating -V488- ²⁾	87
F8	Fuse 8 on fuse holder B -SB8-	10 A ¹⁾ 15 A ²⁾	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19-	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Air mass meter -G70- Automatic glow period control unit -J179- ²⁾ Heater element for crankcase breather -N79- ²⁾	87
F10	Fuse 10 on fuse holder B -SB10-	15 A ¹⁾ 20 A ²⁾	Fuel pump control unit -J538-	87
F11	Fuse 11 on fuse holder B -SB11-	40 A	Auxiliary air heater element -Z35-	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A	Mechatronic unit for dual clutch gearbox -J743-	30
F14	not assigned	-		-
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	not assigned	-		-
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾ Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623- ABS control unit -J104-	30
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	20 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	not assigned	-		-
F32	not assigned	-		-
F33	not assigned	-		-
F34	not assigned	-		-
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

1) for models with petrol engine only

2) for models with diesel engine only

3) Only models with no start/stop system

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1.30 Fuse assignment for fuse holder B -SB-, from April 2013

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ , ⁶⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Valve for oil pressure control -N428- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾ High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾ Piston cooling jet control valve -N522- ⁴⁾	
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾ , ⁶⁾ 7.5 A ⁵⁾	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- ⁶⁾ Injector, cylinder 2 -N31- ⁶⁾ Injector, cylinder 3 -N32- ⁶⁾ Injector, cylinder 4 -N33- ⁶⁾ Fuel metering valve -N290- Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Gas injection valve 1 -N366- ⁵⁾ Gas injection valve 2 -N367- ⁵⁾ Gas injection valve 3 -N368- ⁵⁾ Gas injection valve 4 -N369- ⁵⁾	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾ Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ²⁾ Gearbox oil cooling pump -V478- ⁴⁾ Coolant shut-off valve -N82- ⁴⁾ Auxiliary pump for heating -V488- ²⁾	
F8	Fuse 8 on fuse holder B -SB8-	10 A ¹⁾ 15 A ²⁾	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾ 10 A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87
F10	Fuse 10 on fuse holder B -SB10-	10 A ¹⁾ 20 A ²⁾	Fuel pump control unit -J538-	87
F11	Fuse 11 on fuse holder B -SB11-	40 A	Auxiliary air heater element -Z35-	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A 15 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 7.5 A	Engine component current supply relay -J757- 4) Relay for gas shut-off valves -J908- 5)	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- 1) Terminal 30 voltage supply relay -J317- 2) Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	30
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- 3)	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned			-
F26	not assigned			-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192-	87
F32	not assigned	-		-
F33	not assigned	-		-
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- 4)	30
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

- 1) for models with petrol engine only
- 2) for models with diesel engine only
- 3) Only models with no start/stop system
- 4) Only models with GTI equipment
- 5) Only models with natural gas engine (CNG)
- 6) Only models with MPI petrol engine

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1.31 Fuse assignment for fuse holder B -SB- , from November 2013

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A ⁸⁾ 20 A ⁹⁾	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ , ⁷⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Ethanol concentration sender -G708- ¹⁾ High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾ Piston cooling jet control valve -N522- ⁴⁾	
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾ , ⁷⁾ 7.5 A ⁵⁾	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- ⁷⁾ Injector, cylinder 2 -N31- ⁷⁾ Injector, cylinder 3 -N32- ⁷⁾ Injector, cylinder 4 -N33- ⁷⁾ Fuel metering valve -N290- Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Gas injection valve 1 -N366- ⁵⁾ Gas injection valve 2 -N367- ⁵⁾ Gas injection valve 3 -N368- ⁵⁾ Gas injection valve 4 -N369- ⁵⁾	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾ Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾ Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ²⁾ Gearbox oil cooling pump -V478- ⁴⁾ Coolant shut-off valve -N82- ⁴⁾ Auxiliary pump for heating -V488- ²⁾ Radiator blind control motor -V544- ²⁾	87
F8	Fuse 8 on fuse holder B -SB8-	10 A ¹⁾ 15 A ²⁾ , ⁶⁾	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19-	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾ 10A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87
F10	Fuse 10 on fuse holder B -SB10-	10 A ¹⁾ 20 A ²⁾	Fuel pump control unit -J538-	87
F11	Fuse 11 on fuse holder B -SB11-	40 A	Auxiliary air heater element -Z35-	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A 15 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9	30
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 7.5 A	Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾ Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			ABS control unit -J104- Heated windscreen relay -J47-	
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192-	87
F32	not assigned	-		-
F33	not assigned	-		-
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- ⁴⁾	30
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

¹⁾ for models with petrol engine only

²⁾ for models with diesel engine only

³⁾ Only models with no start/stop system

⁴⁾ Only models with GTI equipment

⁵⁾ Only models with natural gas engine (CNG)

⁶⁾ Only models with E85 petrol engine

- 7) Only models with MPI petrol engine
8) Only models with no electric parking brake
9) Only models with electric parking brake

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1.32 Fuse assignment for fuse holder B -SB- , from May 2014

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A ⁹⁾ 20 A ¹⁰⁾	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ , ⁶⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾ High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Piston cooling jet control valve -N522- 4) Relay for reducing agent metering system -J963- 11)	
F5	Fuse 5 on fuse holder B -SB5-	10 A 2) , 6) 7.5 A 5)	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- 6) Injector, cylinder 2 -N31- 6) Injector, cylinder 3 -N32- 6) Injector, cylinder 4 -N33- 6) Fuel metering valve -N290- Engine component current supply relay -J757- 4) Relay for gas shut-off valves -J908- 5) Gas injection valve 1 -N366- 5) Gas injection valve 2 -N367- 5) Gas injection valve 3 -N368- 5) Gas injection valve 4 -N369- 5)	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A 1) 10 A 2)	Fuel pressure regulating valve -N276- 1) Charge air cooling pump -V188- 1) Valve for oil pressure control -N428- 2) Solenoid for coolant circuit -N492- 2) Charge air cooling pump -V188- 2) Gearbox oil cooling pump -V478- 4) Coolant shut-off valve -N82- 4) Auxiliary pump for heating -V488- 2) Radiator blind control motor -V544- 2)	87
F8	Fuse 8 on fuse holder B -SB8-	10 A 1) 15 A 2), 5), 7)	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	5 A 2) 20 A 1)	Ignition coil 1 with output stage -N70- 1)	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
		10 A ¹⁾	Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	
F10	Fuse 10 on fuse holder B -SB10-	15 A ¹⁾ 20 A ²⁾ 10 A ⁶⁾	Fuel pump control unit -J538- Fuel pump relay -J17- ⁶⁾	87
F11	Fuse 11 on fuse holder B -SB11-	40 A ¹⁾ 50 A ⁸⁾	Auxiliary air heater element -Z35- Secondary air pump motor -V101- ⁸⁾	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A 15 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW Automatic gearbox control unit -J217- Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9	30
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 5 A 15 A	Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Fuel pump relay -J17- ⁶⁾	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾ Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			ABS control unit -J104- Heated windscreen relay -J47-	
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192-	87
F32	not assigned	-		-
F33	not assigned	-		-
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- ⁴⁾	30
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

¹⁾ for models with petrol engine only

²⁾ for models with diesel engine only

³⁾ Only models with no start/stop system

⁴⁾ Only models with GTI equipment

⁵⁾ Only models with natural gas engine (CNG)

⁶⁾ Only models with MPI petrol engine

- 7) Only models with E85 petrol engine
- 8) Only for American markets
- 9) Only models with no electric parking brake
- 10) Only models with electric parking brake
- 11) for models with reducing agent metering system only

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1.33 Fuse assignment for fuse holder B -SB- , from May 2016

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A ⁹⁾ 20 A ¹⁰⁾	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ , ⁶⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾ Piston cooling jet control valve -N522- ⁴⁾	
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾ , ⁶⁾ 7.5 A ⁵⁾	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- ⁶⁾ Injector, cylinder 2 -N31- ⁶⁾ Injector, cylinder 3 -N32- ⁶⁾ Injector, cylinder 4 -N33- ⁶⁾ Fuel metering valve -N290- Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Gas injection valve 1 -N366- ⁵⁾ Gas injection valve 2 -N367- ⁵⁾ Gas injection valve 3 -N368- ⁵⁾ Gas injection valve 4 -N369- ⁵⁾	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾ Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾ Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ²⁾ Gearbox oil cooling pump -V478- ⁴⁾ Coolant shut-off valve -N82- ⁴⁾ Auxiliary pump for heating -V488- ²⁾ Radiator blind control motor -V544- ²⁾	87
F8	Fuse 8 on fuse holder B -SB8-	10 A	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87
F10	Fuse 10 on fuse holder B -SB10-	15 A ¹⁾ 20 A ²⁾ 10 A ⁶⁾	Fuel pump control unit -J538- Fuel pump relay -J17- ⁶⁾	87
F11	Fuse 11 on fuse holder B -SB11-	40 A 50 A ⁸⁾	Auxiliary air heater element -Z35- Secondary air pump motor -V101- ⁸⁾	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A 15 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW Automatic gearbox control unit -J217- Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9	30
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 5 A 15 A	Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Fuel pump relay -J17- ⁶⁾	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192-	87
F32	not assigned	-		-
F33	not assigned	-		-
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- ⁴⁾	30
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

¹⁾ for models with petrol engine only

²⁾ for models with diesel engine only

³⁾ Only models with no start/stop system

⁴⁾ Only models with GTI equipment

- 5) Only models with natural gas engine (CNG)
- 6) Only models with MPI petrol engine
- 7) Only models with E85 petrol engine
- 8) Only for American markets
- 9) Only models with no electric parking brake
- 10) Only models with electric parking brake

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1.34 Fuse assignment for fuse holder B -SB- , from November 2016

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A ⁹⁾ 20 A ¹⁰⁾	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A 60 A ¹¹⁾	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ²⁾ , ⁶⁾ 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ Inlet camshaft control valve 1 -N727- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾ High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾ Piston cooling jet control valve -N522- ⁴⁾	
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾ , ⁶⁾ 7.5 A ⁵⁾	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- ⁶⁾ Injector, cylinder 2 -N31- ⁶⁾ Injector, cylinder 3 -N32- ⁶⁾ Injector, cylinder 4 -N33- ⁶⁾ Fuel metering valve -N290- Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Gas injection valve 1 -N366- ⁵⁾ Gas injection valve 2 -N367- ⁵⁾ Gas injection valve 3 -N368- ⁵⁾ Gas injection valve 4 -N369- ⁵⁾	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾ Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾ Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ¹²⁾ Gearbox oil cooling pump -V478- ⁴⁾ Coolant shut-off valve -N82- ⁴⁾ Auxiliary pump for heating -V488- ²⁾ Radiator blind control motor -V544- ¹²⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F8	Fuse 8 on fuse holder B -SB8-	10 A	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾ 10A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87
F10	Fuse 10 on fuse holder B -SB10-	15 A ¹⁾ 20 A ²⁾ 10 A ⁶⁾	Fuel pump control unit -J538- Fuel pump relay -J17- ⁶⁾	87
F11	Fuse 11 on fuse holder B -SB11-	40 A 50 A ⁸⁾	Auxiliary air heater element -Z35- Secondary air pump motor -V101- ⁸⁾	87
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A 15 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW Automatic gearbox control unit -J217- Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9 ♦ Dual clutch gearbox 0GC	30
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 5 A 15 A	Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Fuel pump relay -J171- ⁶⁾	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾ Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	30
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192- ¹²⁾ Vacuum pump relay -J318- ¹²⁾	87
F32	not assigned	-		-
F33	Fuse 33 on fuse holder B -SB33-	30 A	Auxiliary hydraulic pump 1 for gearbox oil -V475- ¹²⁾	30
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- ⁴⁾	30
F35	not assigned	-		-
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F38	not assigned	-		-

- 1) for models with petrol engine only
- 2) for models with diesel engine only
- 3) Only models with no start/stop system
- 4) Only models with GTI equipment
- 5) Only models with natural gas engine (CNG)
- 6) Only models with MPI petrol engine
- 7) Only models with E85 petrol engine
- 8) Only for American markets
- 9) Only models with no electric parking brake
- 10) Only models with electric parking brake
- 11) Only models with extended pedestrian protection measures that scan front area
- 12) According to equipment

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1.35 Fuse assignment for fuse holder B -SB- , from May 2017

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	25 A	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A 60 A ¹¹⁾	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A ¹⁾ 30 A ²⁾	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	5 A ^{2) , 6)} 10 A ¹⁾	Oil level and oil temperature sender -G266- Radiator fan control unit -J293- Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Exhaust camshaft control valve 1 -N318- ¹⁾ Valve for oil pressure control -N428- ¹⁾ Inlet camshaft control valve 1 -N727- ¹⁾ High heat output relay -J360- ²⁾ Exhaust gas recirculation cooler changeover valve -N345- ²⁾ Low heat output relay -J359- ²⁾ Charge pressure control solenoid valve -N75- ²⁾ Inlet cam actuator for cylinder 2 -N583- ¹⁾ Exhaust cam actuator for cylinder 2 -N587- ¹⁾ Inlet cam actuator for cylinder 3 -N591- ¹⁾ Exhaust cam actuator for cylinder 3 -N595- ¹⁾ Ethanol concentration sender -G708- ¹⁾ High-pressure valve for gas mode -N372- ⁵⁾ Turbocharger air recirculation valve -N249- ⁴⁾ Intake manifold flap valve -N316- ⁴⁾ Piston cooling jet control valve -N522- ⁴⁾	
F5	Fuse 5 on fuse holder B -SB5-	10 A ²⁾ , ⁶⁾ 7.5 A ⁵⁾	Fuel pressure regulating valve -N276- Injector, cylinder 1 -N30- ⁶⁾ Injector, cylinder 2 -N31- ⁶⁾ Injector, cylinder 3 -N32- ⁶⁾ Injector, cylinder 4 -N33- ⁶⁾ Fuel metering valve -N290- Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Gas injection valve 1 -N366- ⁵⁾ Gas injection valve 2 -N367- ⁵⁾ Gas injection valve 3 -N368- ⁵⁾ Gas injection valve 4 -N369- ⁵⁾	87
F6	Fuse 6 on fuse holder B -SB6-	5 A	Brake light switch -F-	87
F7	Fuse 7 on fuse holder B -SB7-	7.5 A ¹⁾ 10 A ²⁾	Fuel pressure regulating valve -N276- ¹⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Charge air cooling pump -V188- ¹⁾ Valve for oil pressure control -N428- ²⁾ Solenoid for coolant circuit -N492- ²⁾ Charge air cooling pump -V188- ¹²⁾ Gearbox oil cooling pump -V478- ⁴⁾ Coolant shut-off valve -N82- ⁴⁾ Auxiliary pump for heating -V488- ²⁾ Radiator blind control motor -V544- ¹²⁾	
F8	Fuse 8 on fuse holder B -SB8-	10 A	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	5 A ²⁾ 20 A ¹⁾ 10A ¹⁾	Ignition coil 1 with output stage -N70- ¹⁾ Ignition coil 2 with output stage -N127- ¹⁾ Ignition coil 3 with output stage -N291- ¹⁾ Ignition coil 4 with output stage -N292- ¹⁾ Automatic glow period control unit -J179- ²⁾ Air mass meter -G70- Heater element for crankcase breather -N79- ²⁾ Exhaust flap control unit -J883- ¹⁾ Sender 1 for secondary air pressure -G609- ¹⁾ Charge air cooling pump -V188- ¹⁾ Activated charcoal filter solenoid valve 1 -N80- ¹⁾ Camshaft control valve 1 -N205- ¹⁾ Exhaust camshaft control valve 1 -N318- ¹⁾	87
F10	Fuse 10 on fuse holder B -SB10-	15 A ¹⁾ 20 A ²⁾ 10 A ⁶⁾	Fuel pump control unit -J538- Fuel pump relay -J17- ⁶⁾	87
F11	Fuse 11 on fuse holder B -SB11-	40 A 50 A ⁸⁾	Auxiliary air heater element -Z35- Secondary air pump motor -V101- ⁸⁾	87

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F12	Fuse 12 on fuse holder B -SB12-	40 A	Auxiliary air heater element -Z35-	87
F13	Fuse 13 on fuse holder B -SB13-	30 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0CW	30
		15 A	Automatic gearbox control unit -J217- Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox 0D9 ♦ Dual clutch gearbox 0GC	
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	20 A 7.5 A 15 A	Engine component current supply relay -J757- ⁴⁾ Relay for gas shut-off valves -J908- ⁵⁾ Fuel pump relay -J17- ⁶⁾	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- ¹⁾ Terminal 30 voltage supply relay -J317- ²⁾ Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	30
F18	Fuse 18 on fuse holder B -SB18-	5 A	Battery monitor control unit -J367- Data bus diagnostic interface -J533- ³⁾	30
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	Fuse 22 on fuse holder B -SB22-	5 A	Engine/motor control unit -J623-	50
F23	Fuse 23 on fuse holder B -SB23-	30 A	Starter -B-	50
F24	Fuse 24 on fuse holder B -SB24-	40 A	Auxiliary air heater element -Z35-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F31	Fuse 31 on fuse holder B -SB31-	15 A	Vacuum pump for brakes -V192- ¹²⁾ Vacuum pump relay -J318- ¹²⁾	87
F32	not assigned	-		-
F33	Fuse 33 on fuse holder B -SB33-	30 A	Auxiliary hydraulic pump 1 for gearbox oil -V475- ¹²⁾	30
F34	Fuse 34 on fuse holder B -SB34-	15 A	Axle differential lock control unit -J647- ⁴⁾	30
F35	not assigned			-
F36	not assigned			-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

¹⁾ for models with petrol engine only

²⁾ for models with diesel engine only

³⁾ Only models with no start/stop system

⁴⁾ Only models with GTI equipment

⁵⁾ Only models with natural gas engine (CNG)

⁶⁾ Only models with MPI petrol engine

⁷⁾ Only models with E85 petrol engine

⁸⁾ Only for American markets

⁹⁾ Only models with no electric parking brake

¹⁰⁾ Only models with electric parking brake

¹¹⁾ Only models with extended pedestrian protection measures that scan front area

¹²⁾ According to equipment

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1.36 Fuse assignment for fuse holder B -SB- , only models with hybrid drive system, from July 2014

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	40 A	ABS control unit -J104-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	10 A	Oil level and oil temperature sender -G266- Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Exhaust camshaft control valve 1 -N318- Valve for oil pressure control -N428- Coolant shortage indicator control unit -J120-	87
F5	Fuse 5 on fuse holder B -SB5-	10 A	Coolant valve for gearbox -N488- Coolant pump for high-voltage battery -V590- Coolant pump for high-temperature circuit -V467-	87
F6	not assigned	-		-
F7	Fuse 7 on fuse holder B -SB7-	15 A	Fuel pressure regulating valve -N276- Coolant pump for low-temperature circuit -V468- Coolant changeover valve 1 -N632- Coolant changeover valve 2 -N633-	87
F8	Fuse 8 on fuse holder B -SB8-	15 A	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	20 A	Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292-	87
F10	Fuse 10 on fuse holder B -SB10-	15 A	Fuel pump control unit -J538-	87
F11	not assigned	-		-
F12	not assigned	-		-
F13	not assigned	-		-
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	10 A	Power and control electronics for electric drive -JX1- Charging unit 1 for high-voltage battery -AX4-	30

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	30
F18	not assigned	-		-
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	not assigned	-		-
F23	not assigned	-		-
F24	Fuse 24 on fuse holder B -SB24-	40 A	Brake servo -NX6-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	7.5 A	Coolant circulation pump before power and control electronics for electric drive -V508- Fuel tank shut-off valve -N288-	87
F32	not assigned	-		-
F33	Fuse 33 on fuse holder B -SB33-	30 A	Brake system pressure accumulator -VX70-	30
F34	Fuse 34 on fuse holder B -SB34-	5 A	Brake servo -NX6-	30
F35	Fuse 35 on fuse holder B -SB35-	7.5 A	Air conditioning system relay -J32-	30
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

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1.37 Fuse assignment for fuse holder B -SB- , only models with hybrid drive system, from May 2017

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F1	Fuse 1 on fuse holder B -SB1-	25 A	ABS control unit -J104-	30
F2	Fuse 2 on fuse holder B -SB2-	40 A	ABS control unit -J104- ABS hydraulic pump -V64-	30
F3	Fuse 3 on fuse holder B -SB3-	15 A	Engine/motor control unit -J623-	87
F4	Fuse 4 on fuse holder B -SB4-	10 A	Oil level and oil temperature sender -G266- Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Exhaust camshaft control valve 1 -N318- Valve for oil pressure control -N428- Coolant shortage indicator control unit -J120-	87
F5	Fuse 5 on fuse holder B -SB5-	10 A	Coolant valve for gearbox -N488- Coolant pump for high-voltage battery -V590- Coolant pump for high-temperature circuit -V467-	87
F6	not assigned	-		-
F7	Fuse 7 on fuse holder B -SB7-	15 A	Fuel pressure regulating valve -N276- Coolant pump for low-temperature circuit -V468- Coolant changeover valve 1 -N632- Coolant changeover valve 2 -N633-	87
F8	Fuse 8 on fuse holder B -SB8-	15 A	Lambda probe 1 before catalytic converter -GX10- ♦ Lambda probe heater -Z19- Lambda probe 1 after catalytic converter -GX7- ♦ Lambda probe 1 heater after catalytic converter -Z29-	87
F9	Fuse 9 on fuse holder B -SB9-	20 A	Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292-	87
F10	Fuse 10 on fuse holder B -SB10-	15 A	Fuel pump control unit -J538-	87
F11	not assigned	-		-
F12	not assigned	-		-
F13	not assigned	-		-

Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
F14	Fuse 14 on fuse holder B -SB14-	40 A	Heated windscreen relay -J47-	30
F15	Fuse 15 on fuse holder B -SB15-	15 A	Horn relay -J413-	30
F16	Fuse 16 on fuse holder B -SB16-	10 A	Power and control electronics for electric drive -JX1- Charging unit 1 for high-voltage battery -AX4-	30
F17	Fuse 17 on fuse holder B -SB17-	7.5 A	Main relay -J271- Engine/motor control unit -J623- ABS control unit -J104- Heated windscreen relay -J47-	30
F18	not assigned	-		-
F19	Fuse 19 on fuse holder B -SB19-	30 A	Wiper motor control unit -J400-	30
F20	Fuse 20 on fuse holder B -SB20-	10 A	Alarm horn -H12-	30
F21	not assigned	-		-
F22	not assigned	-		-
F23	not assigned	-		-
F24	Fuse 24 on fuse holder B -SB24-	40 A	Brake servo -NX6-	87
F25	not assigned	-		-
F26	not assigned	-		-
F27	not assigned	-		-
F28	not assigned	-		-
F29	not assigned	-		-
F30	not assigned	-		-
F31	Fuse 31 on fuse holder B -SB31-	7.5 A	Coolant circulation pump before power and control electronics for electric drive -V508- Fuel tank shut-off valve -N288-	87
F32	not assigned	-		-
F33	Fuse 33 on fuse holder B -SB33-	30 A	Brake system pressure accumulator -VX70-	30
F34	Fuse 34 on fuse holder B -SB34-	5 A	Brake servo -NX6-	30
F35	Fuse 35 on fuse holder B -SB35-	7.5 A	Air conditioning system relay -J32-	30
F36	not assigned	-		-
F37	Fuse 37 on fuse holder B -SB37-	20 A	Auxiliary heater control unit -J364-	30
F38	not assigned	-		-

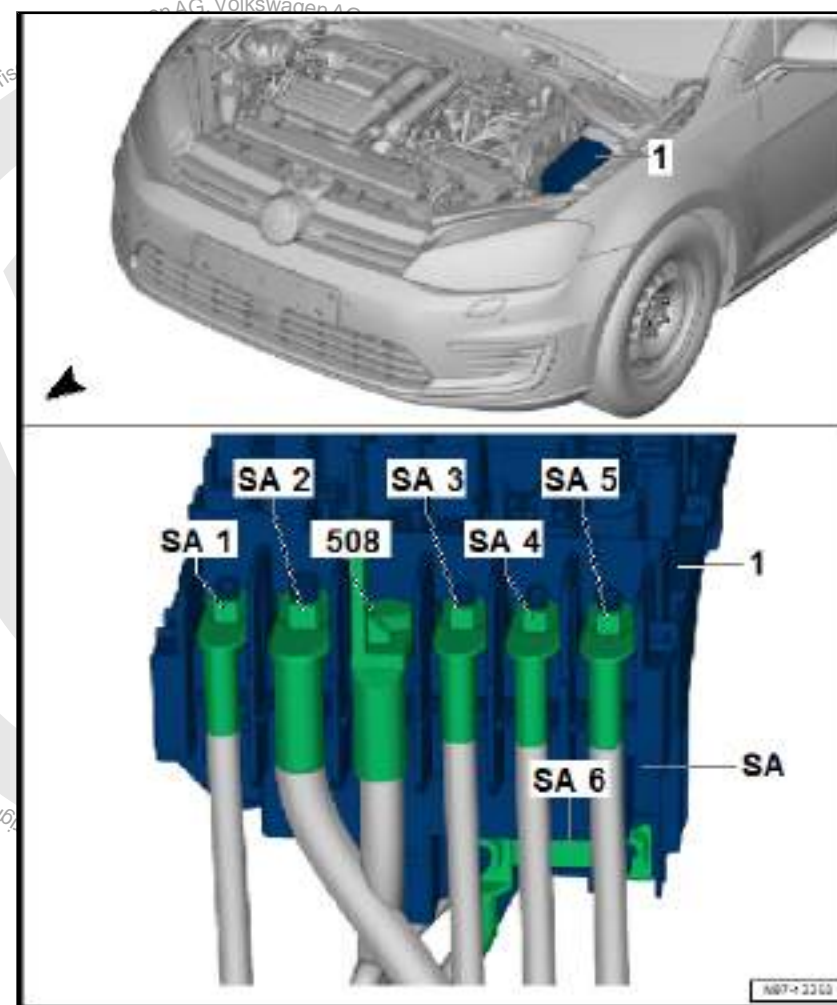
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1.38 Fitting location of fuse holder A -SA-

1.38.1 Fitting location of fuse holder A -SA-

1 - Fuse holder A -SA-

508 - Threaded connection (30) on E-box



Multifuse strip fuse

⇒ Rep. Gr. 97 ; Removing and installing fuse holder



Note

The fuse strip (multifuse) must be replaced as a complete unit.

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1.39 Fuse assignment for fuse holder A -SA-

1.39.1 Fuse assignment of fuse holder A -SA- , from August 2012

Screw location	Current flow diagram designation	Nominal value	Function/component	Terminal
SA1	Fuse 1 on fuse holder A -SA1-	125 A	Supply for the fuses: -SC2- -SC4- ... -SC14- -SC30- ... -SC42- -SC47- ... -SC49- -SC53- Terminal 15 voltage supply relay -J329- Relay for power sockets -J807- Starter relay 2 -J907-	30
SA2	Fuse 2 on fuse holder A -SA2-	400 A	Alternator -C-	30
SA3	Fuse 3 on fuse holder A -SA3-	80 A	Power steering control unit -J500-	30
SA4	Fuse 4 on fuse holder A -SA4-	80 A	Supply for the fuses: -SC15- ... -SC20- -SC23- ... -SC28- -SB43- ... -SB45-	30
SA5	Fuse 5 on fuse holder A -SA5-	50 A	Radiator fan -VX57-	30
SA6	not assigned	-		-

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1.39.2 Fuse assignment for fuse holder A -SA- , from July 2014, only models with hybrid drive system

Screw location	Current flow diagram designation	Nominal value	Function/component	Terminal
SA1	Fuse 1 on fuse holder A -SA1-	125 A	Fuse holder C -SC- ♦ Terminal 30 supply_1 Terminal 15 voltage supply relay -J329- Relay for power sockets -J807-	30
SA2	Fuse 2 on fuse holder A -SA2-	400 A	Power and control electronics for electric drive -JX1-	30
SA3	Fuse 3 on fuse holder A -SA3-	80 A	Power steering control unit -J500-	30
SA4	Fuse 4 on fuse holder A -SA4-	80 A	Fuse holder C -SC- ♦ Terminal 30 supply_2	30
SA5	Fuse 5 on fuse holder A -SA5-	80 A	Radiator fan -VX57-	30
SA6	Fuse 6 on fuse holder A -SA6-	50 A	Mechatronic unit for dual clutch gearbox -J743- ♦ Dual clutch gearbox ODD	30

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1.39.3 Fuse assignment for fuse holder A -SA- , from November 2016

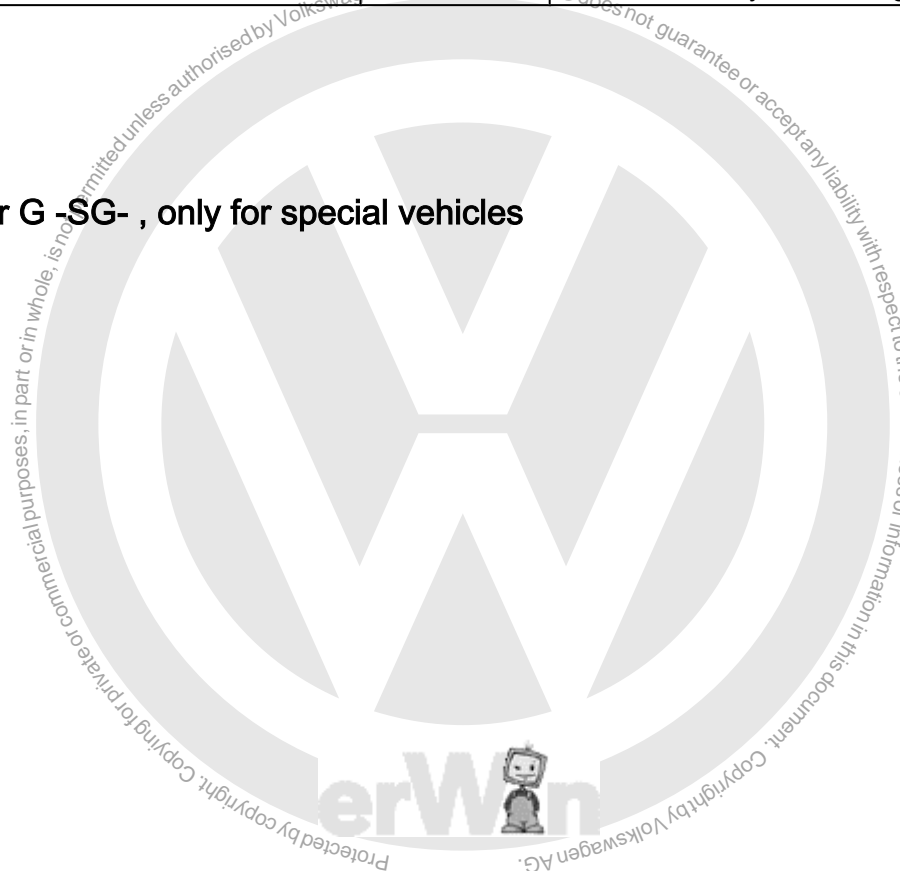
Screw location	Current flow diagram designation	Nominal value	Function/component	Terminal
SA1	Fuse 1 on fuse holder A -SA1-	125 A	Supply for the fuses: -SC2- -SC4- ... -SC14- -SC30- ... -SC42- -SC47- ... -SC49- -SC53- Terminal 15 voltage supply relay -J329- Relay for power sockets -J807- Starter relay 2 -J907-	30
SA2	Fuse 2 on fuse holder A -SA2-	400 A	Alternator -C-	30
SA3	Fuse 3 on fuse holder A -SA3-	80 A	Power steering control unit -J500-	30
SA4	Fuse 4 on fuse holder A -SA4-	80 A	Supply for the fuses: -SC15- ... -SC20- -SC23- ... -SC28- -SB43- ... -SB45-	30

Screw location	Current flow diagram designation	Nominal value	Function/component	Terminal
SA5	Fuse 5 on fuse holder A -SA5-	50 A	Radiator fan -VX57-	30
SA6	Fuse 6 on fuse holder A -SA6-	125 A	Additional battery for coasting function -A8- ¹⁾	30

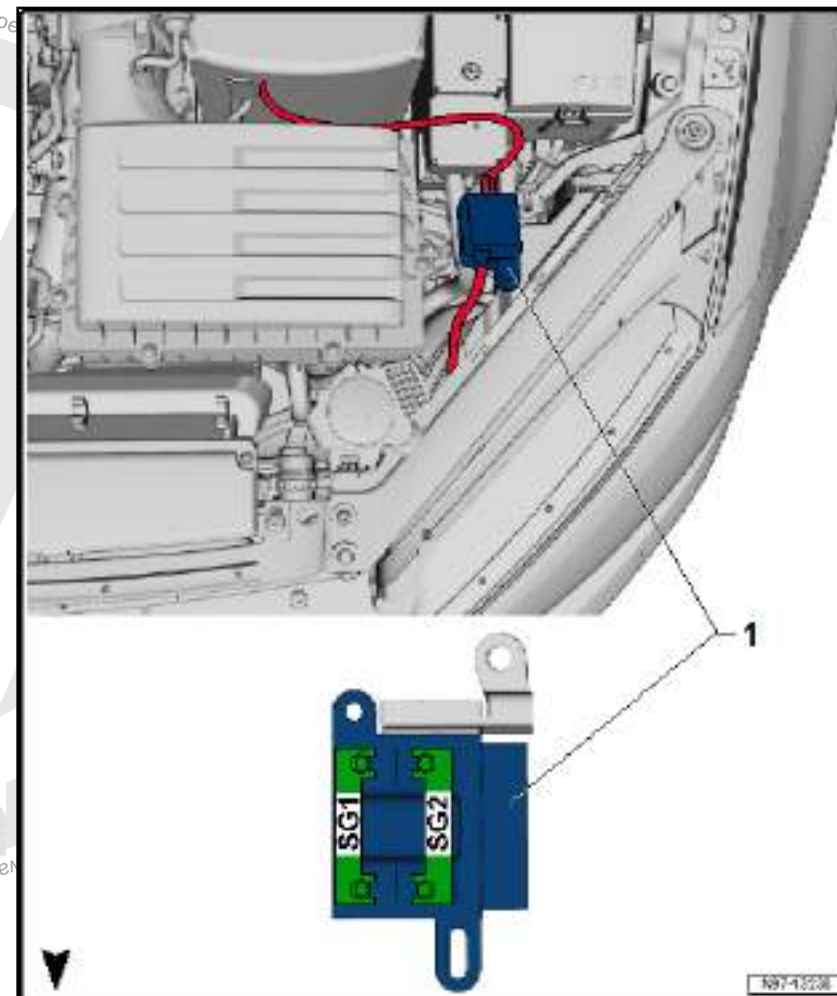
¹⁾ According to equipment

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1.40 Fitting location of fuse holder G -SG- , only for special vehicles



1 - Fuse holder G -SG-



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1.41 Fuse assignment for fuse holder G -SG- , only for special vehicles, from August 2013

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
F1	Main fuse 1 for special equipment -SG1-	50A	Battery isolation relay -J7-	30
F2	Not assigned	-		-

[Back to overview](#) ⇒ [page 1](#)

1.42 Fitting location of fuse carrier 1 -ST1-, only for special vehicles

1 - Fuse carrier 1 -ST1-

Fuse colours for J-Case fuse:

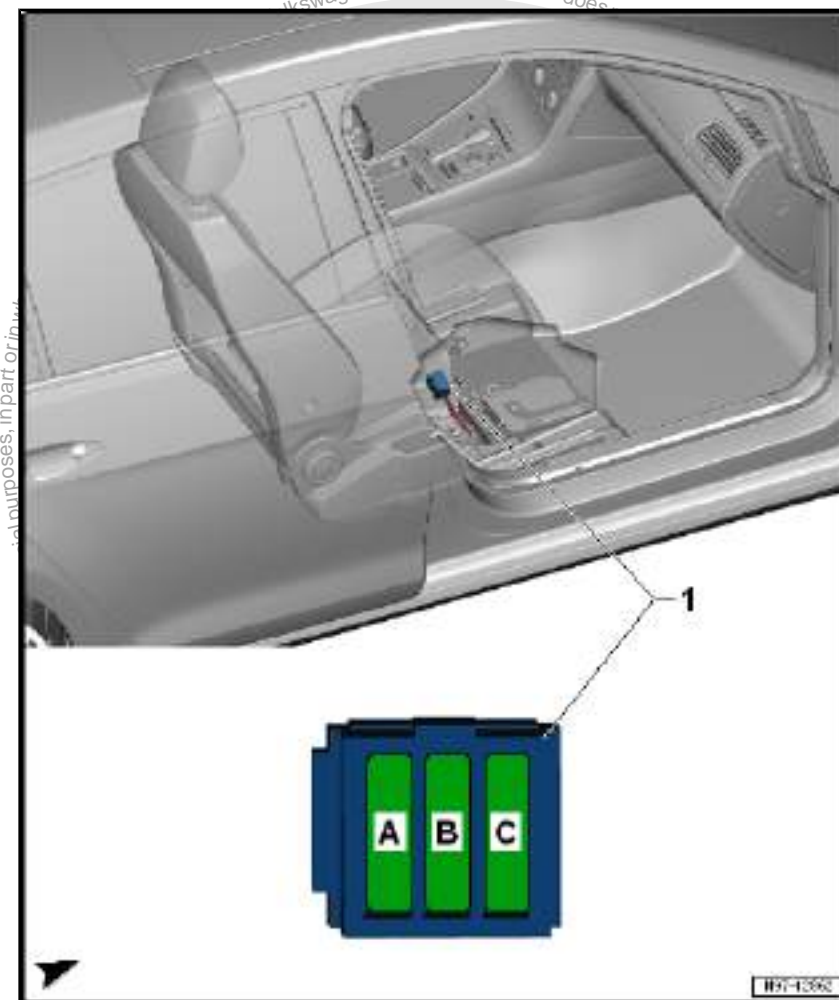
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.43 Fuse assignment for fuse carrier 1 -ST1- , only for special vehicles, from August 2013

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
A	Special vehicle fuse 1 -S291-	2)	Special vehicle fuse ¹⁾	30
B	Special vehicle fuse 2 -S292-	2)	Special vehicle fuse ¹⁾	30
C	Special vehicle fuse 3 -S293-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

²⁾ Fuse rating, see installation description for special installations

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1.44 Fitting location for fuse carrier 2 -ST2- , only for special vehicles

1 - Fuse carrier 2 -ST2-

Fuse colours for J-Case fuse:

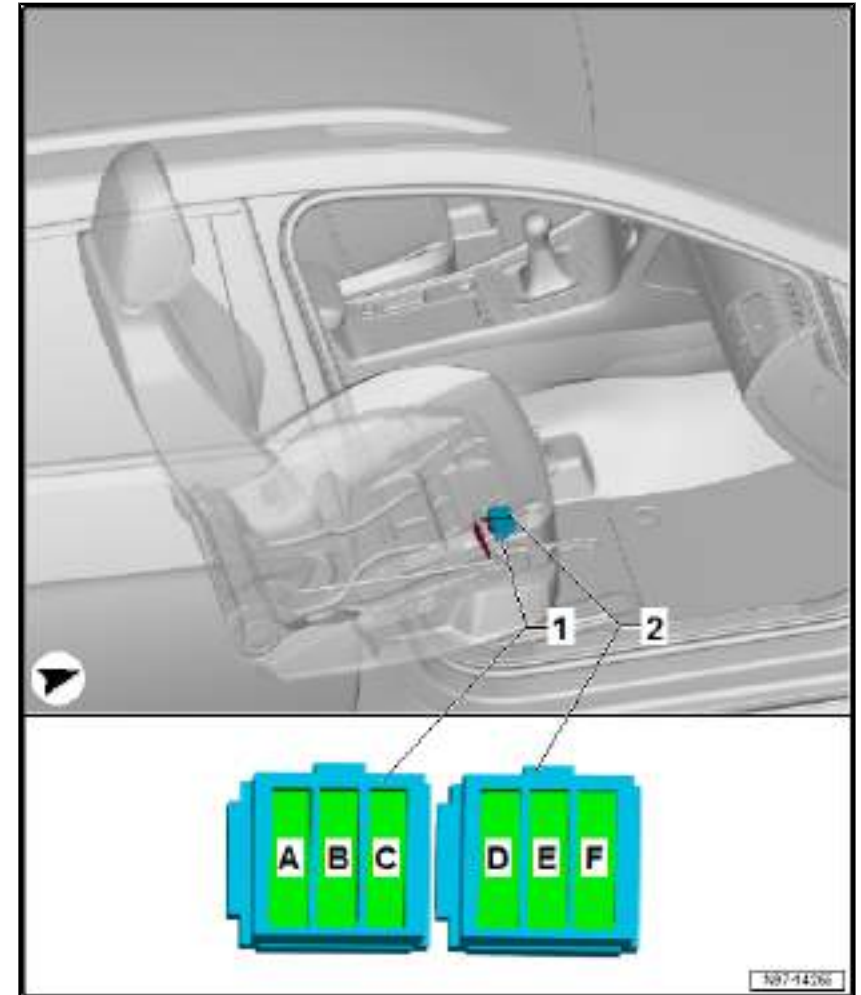
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



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1.45 Fuse assignment for fuse carrier 2 -ST2- , only for special vehicles, from May 2017

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
A	Special vehicle fuse 4 -S294-	2)	Special vehicle fuse ¹⁾	30
B	Special vehicle fuse 5 -S295-	2)	Special vehicle fuse ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
C	Special vehicle fuse 6 -S296-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

²⁾ Fuse rating, see installation description for special installations

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1.46 Fitting location for fuse carrier 6 -ST6- , only for special vehicles



2 - Fuse carrier 6 -ST6-

Fuse colours for J-Case fuse:

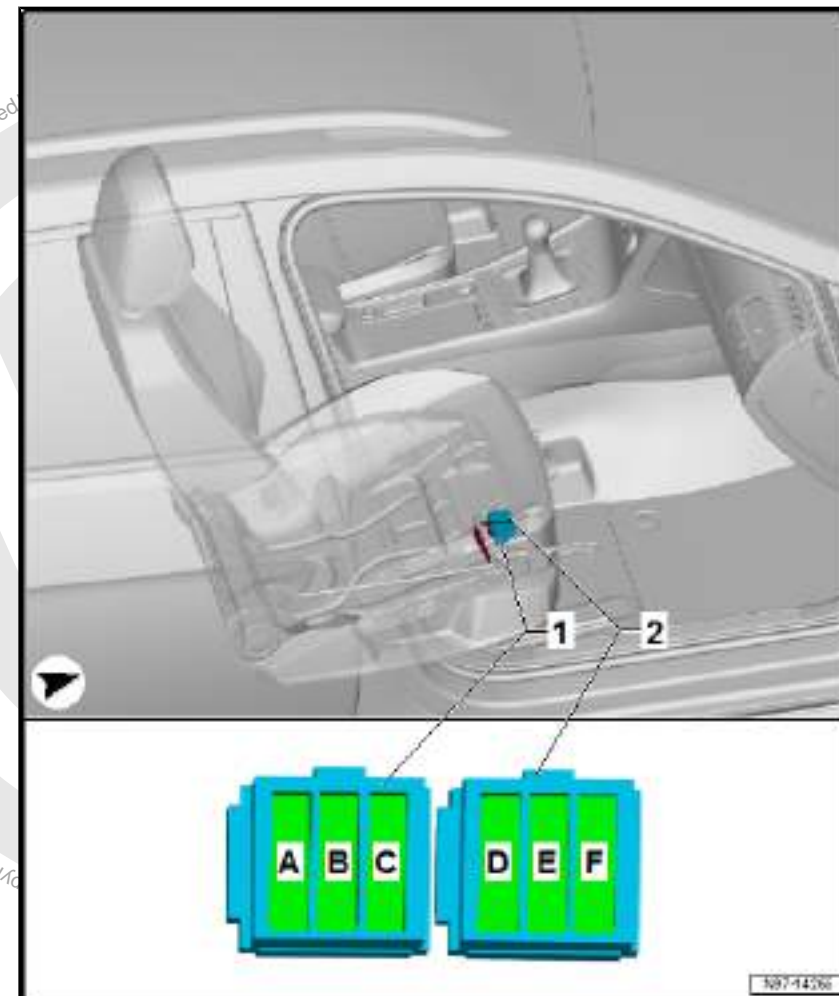
- ◆ 50 A - red
- ◆ 40 A - green
- ◆ 30 A - pink

Fuse colours for ATO flat fuse:

- ◆ 40 A - orange
- ◆ 30 A - light green
- ◆ 25 A - natural (white)
- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black

Fuse colours, for mini fuses:

- ◆ 20 A - yellow
- ◆ 15 A - light blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light brown
- ◆ 1A - black



[Back to overview](#) ⇒ [page 1](#)

1.47 Fuse assignment for fuse carrier 6 -ST6- , only for special vehicles, from May 2017

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
D	Special vehicle fuse 7 -S297-	2)	Special vehicle fuse ¹⁾	30
E	Special vehicle fuse 8 -S298-	2)	Special vehicle fuse ¹⁾	30

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
F	Special vehicle fuse 9 -S299-	2)	Special vehicle fuse ¹⁾	30

¹⁾ According to equipment

²⁾ Fuse rating, see installation description for special installations

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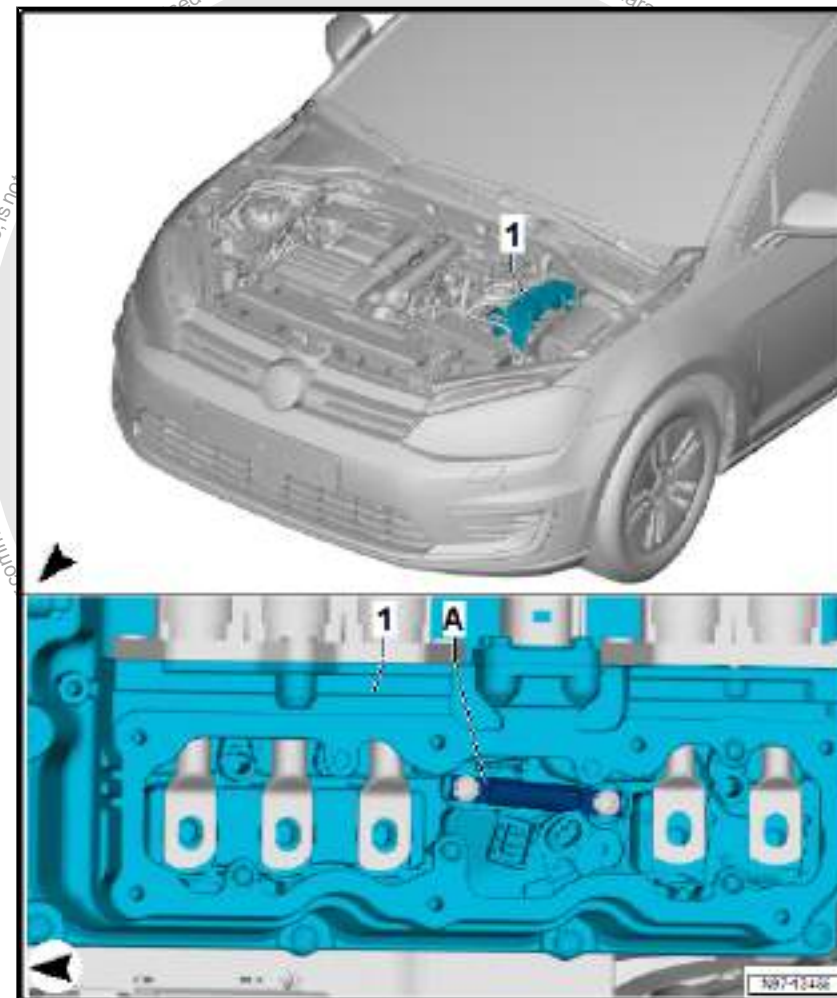
1.48 Fitting location of high-voltage system fuse 3 -S353-

in the power and control electronics for electric drive -JX1-



1 - High-voltage system fuse 3 -S353-

- in the power and control electronics for electric drive -JX1-



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1.49 Fuse assignment for high-voltage system fuse 3 -S353- , from July 2014

Screw location	Current flow diagram designation	Nominal value	Function/component	Terminal
1	High-voltage system fuse 3 -S353-	80 A	Power and control electronics for electric drive -JX1-	

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1 Relays

1.1 Overview of relay carriers



Note

The fitting locations are identical on LHD and RHD models.

1 - Relay and fuse carrier 4 -SR4- , in luggage compartment



Note

Only for special vehicles

◆ Battery isolation relay -J7-

- ☐ Fitting location and relay assignment, only for vehicles with no special vehicle interface, from August 2013 ⇒ [page 3](#)
- ☐ Fitting location and relay assignment, only for vehicles with special vehicle interface, from November 2013 ⇒ [page 4](#)

2 - Relay and fuse carrier 2 -SR2- , under dash panel on left

◆ Heated rear window relay -J9-

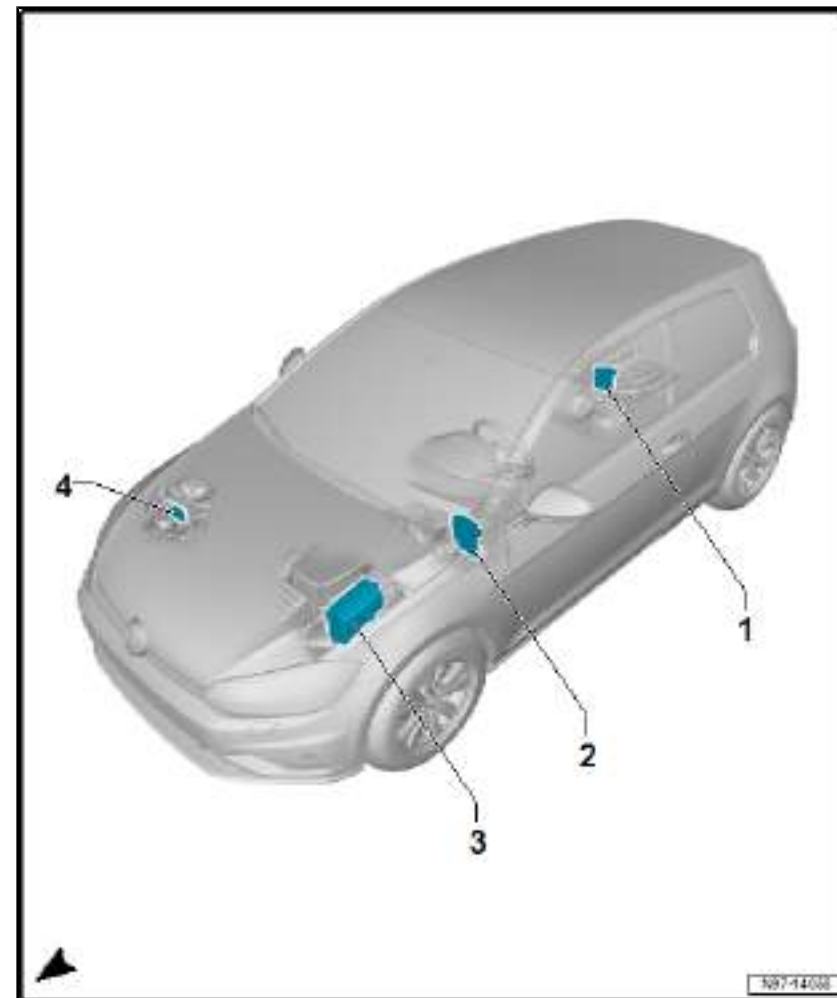
◆ Terminal 15 voltage supply relay -J329-

◆ Terminal 15 relief relay -J404-

◆ Relay for power sockets -J807-

◆ Relay for reducing agent metering system -J963-

- ☐ Fitting locations and relay assignment, LHD, from August 2012 ⇒ [page 5](#)
- ☐ Fitting locations and relay assignment, left-hand drive models, from November 2017 ⇒ [page 6](#)
- ☐ Fitting locations and relay assignment, RHD, from August 2012 ⇒ [page 7](#)



Relay and fuse carrier 3 -SR3- , under dash panel on left



Note

Only for special vehicles

◆ Driving school mode relay -J746-

□ Fitting location and relay assignment, from January 2013 ⇒ [page 8](#)

3 - Relay and fuse carrier 1 -SR1- , in E-box in engine compartment

◆ Fuel pump relay -J17-

◆ Air conditioning system relay -J32-

◆ Heated windscreen relay -J47-

◆ Coolant shortage indicator control unit -J120-

◆ Automatic glow period control unit -J179-

◆ Main relay -J271-

◆ Secondary air pump relay -J299-

◆ Terminal 30 voltage supply relay -J317-

◆ Low heat output relay -J359-

◆ High heat output relay -J360-

◆ Horn relay -J413-

◆ Engine component current supply relay -J757-

◆ Starter relay 1 -J906-

◆ Starter relay 2 -J907-

◆ Relay for gas shut-off valves -J908-

□ Fitting location and relay assignment, equipment version 1, from August 2012 ⇒ [page 9](#)

□ Fitting location and relay assignment, equipment version 2, from April 2013 ⇒ [page 10](#)

4 - Vacuum pump relay -J318- , on right in engine compartment

□ Fitting location and position of relays ⇒ [page 11](#)

1.2 Relay and fuse carrier 4 -SR4- , in luggage compartment

1.2.1 Fitting location and relay assignment of relay and fuse carrier 4 -SR4- , only models with no special vehicle interface, from May 2013

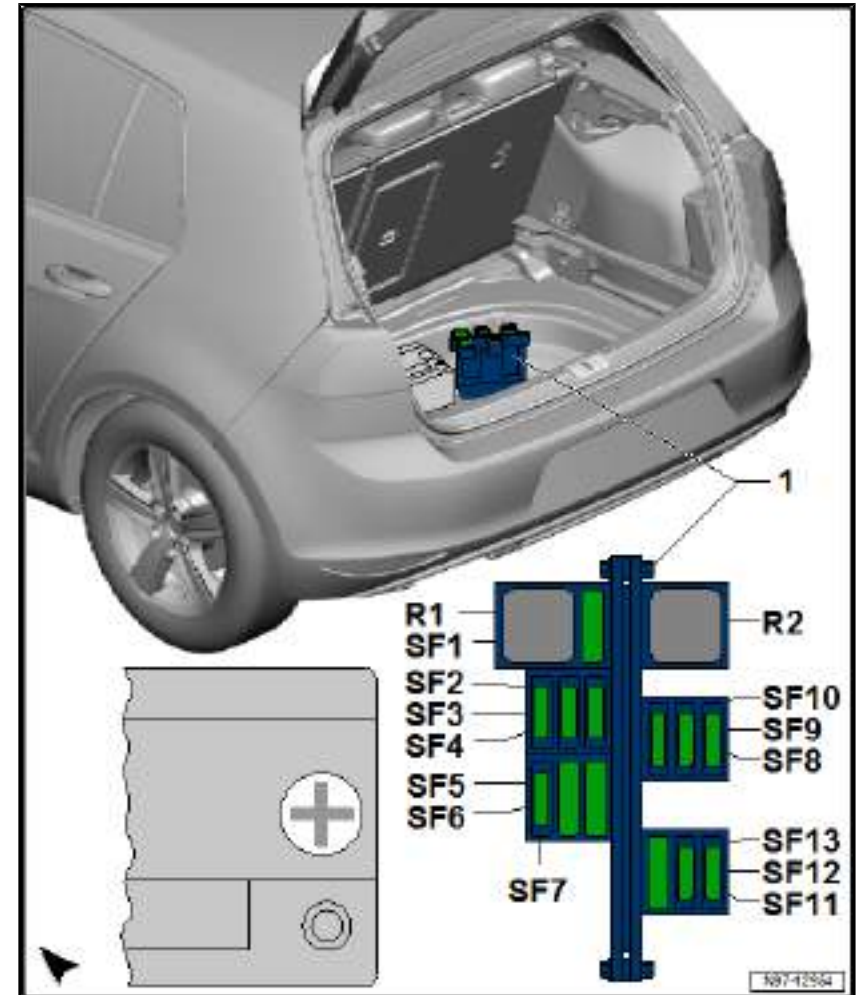
1 - Relay and fuse carrier 4 -SR4- , in luggage compartment

R1 - Battery isolation relay -J7-

☐ Only for special vehicles

R2 - Relay for special vehicles

☐ According to equipment



[Back to overview](#) ⇒ [page 1](#)

1.2.2 Fitting location and relay assignment of relay and fuse carrier 4 -SR4- , only models with special vehicle interface, from November 2013

1 - Relay and fuse carrier 4 -SR4- , in luggage compartment

R1 - Battery isolation relay -J7-

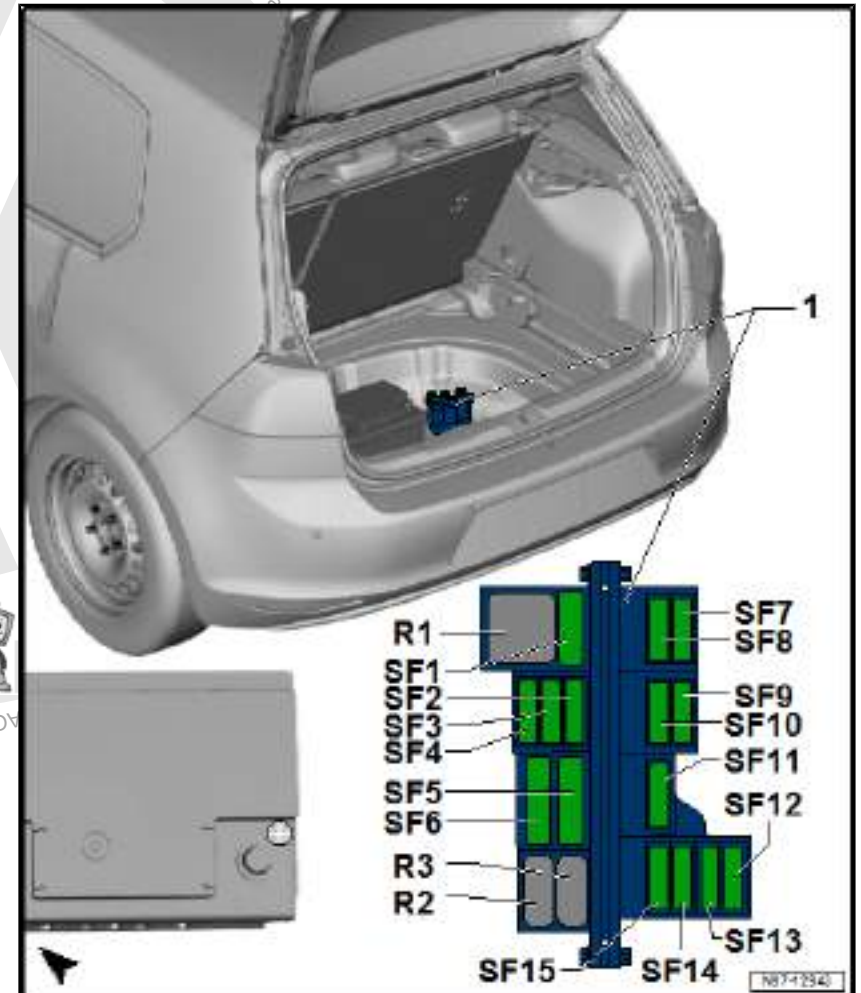
- ☐ Only for special vehicles

R2 - Relay for special vehicles

- ☐ According to equipment

R3 - Relay for special vehicles

- ☐ According to equipment



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1.3 Relay and fuse carrier 2 -SR2- , under dash panel on left

1.3.1 Fitting location and relay assignment of relay and fuse carrier 2 -SR2- , left-hand drive models, from August 2012

1 - Relay and fuse carrier 2 -SR2- , under dash panel on left

R1 - not assigned

R2 - Terminal 15 relief relay -J404-

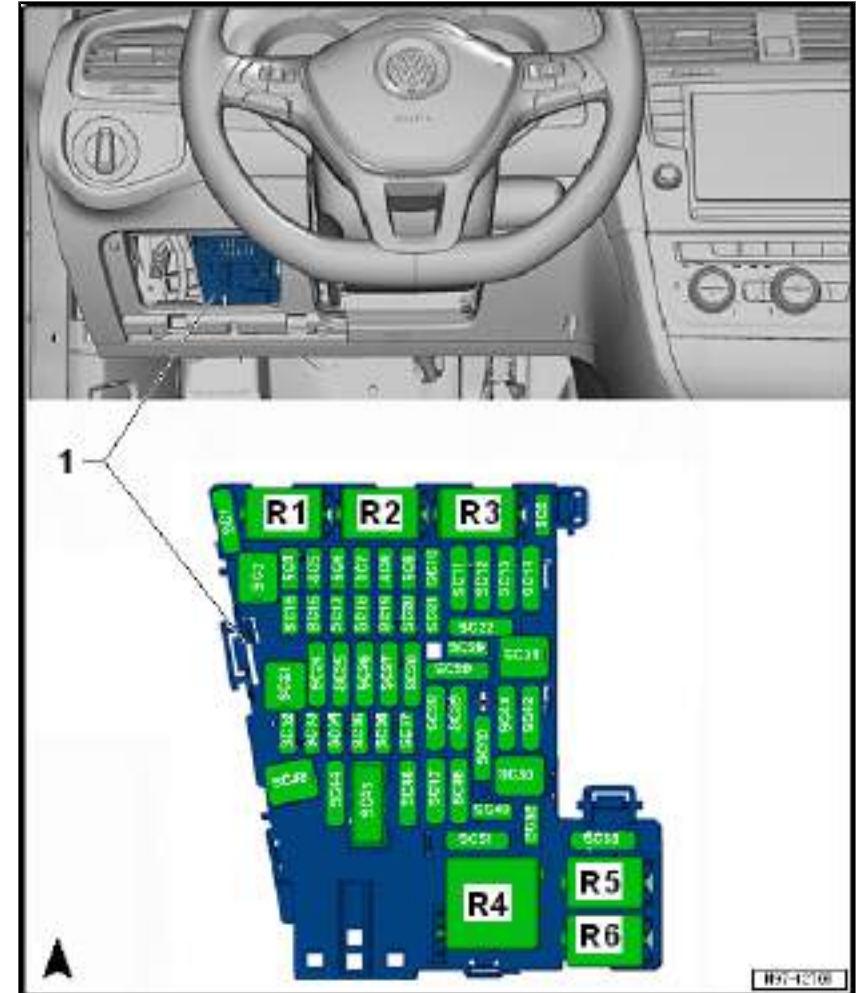
□ According to equipment, up to November 2013

R3 - not assigned

R4 - Terminal 15 voltage supply relay -J329-

R5 - Heated rear window relay -J9-

R6 - Relay for power sockets -J807-



[Back to overview](#) ⇒ [page 1](#)

1.3.2 Fitting location and relay assignment of relay and fuse carrier 2 -SR2-, left-hand drive models, from November 2017

1 - Relay and fuse carrier 2 -SR2-, under dash panel on left

R1 - Relay for reducing agent metering system -J963-

□ For models with reducing agent metering system

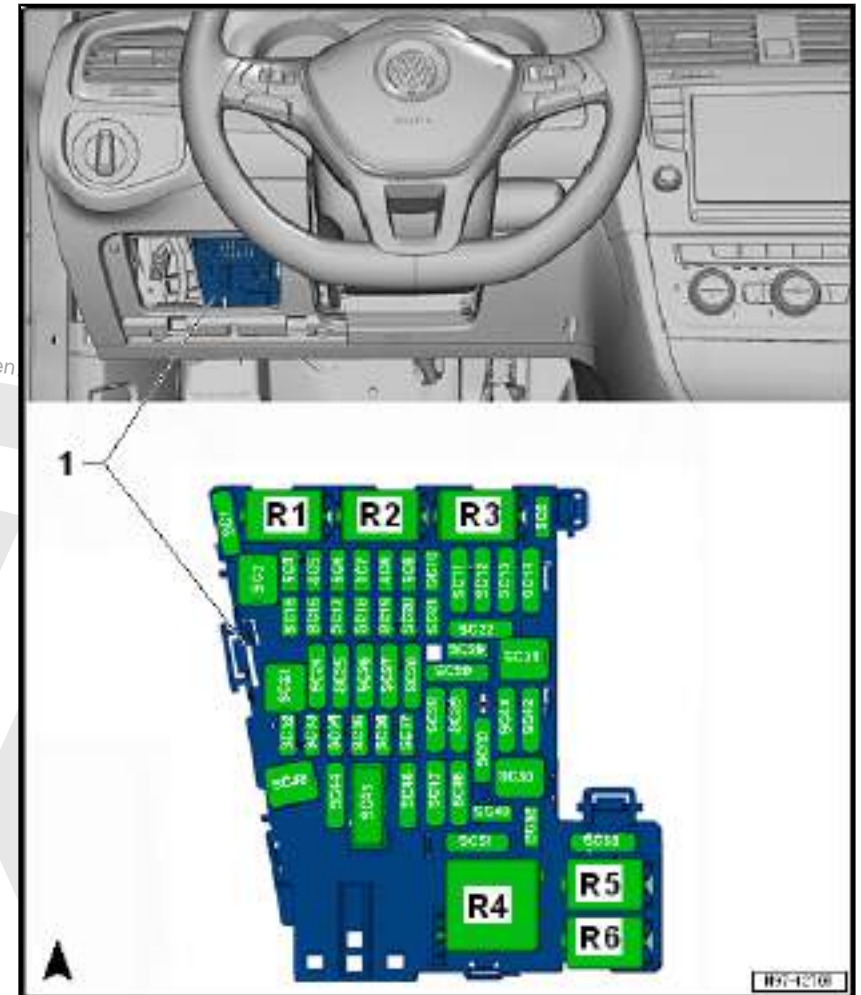
R2 - not assigned

R3 - not assigned

R4 - Terminal 15 voltage supply relay -J329-

R5 - Heated rear window relay -J9-

R6 - Relay for power sockets -J807-



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1.3.3 Fitting location and relay assignment of relay and fuse carrier 2 -SR2-, right-hand drive models, from August 2012

1 - Relay and fuse carrier 2 -SR2-, under dash panel on left

R1 - Relay for reducing agent metering system -J963-

❑ For models with reducing agent metering system

R2 - Terminal 15 relief relay -J404-

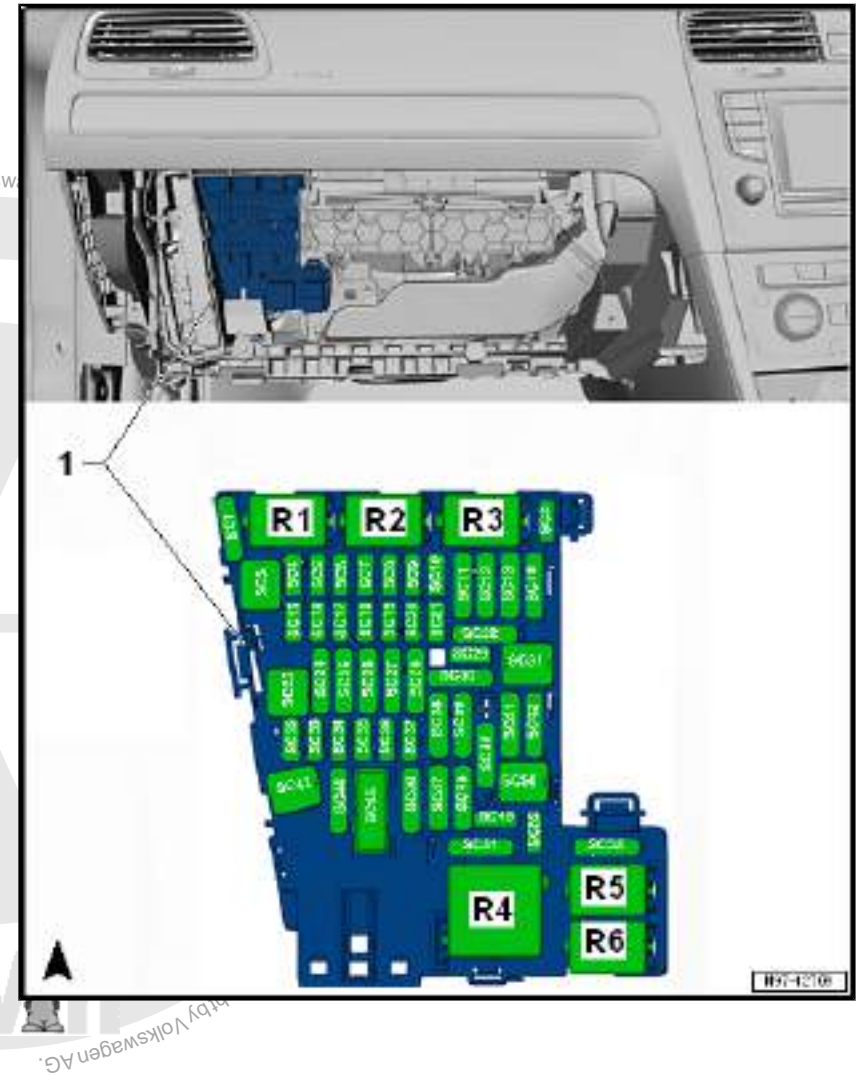
❑ According to equipment, up to November 2013

R3 - not assigned

R4 - Terminal 15 voltage supply relay -J329-

R5 - Heated rear window relay -J9-

R6 - Relay for power sockets -J807-



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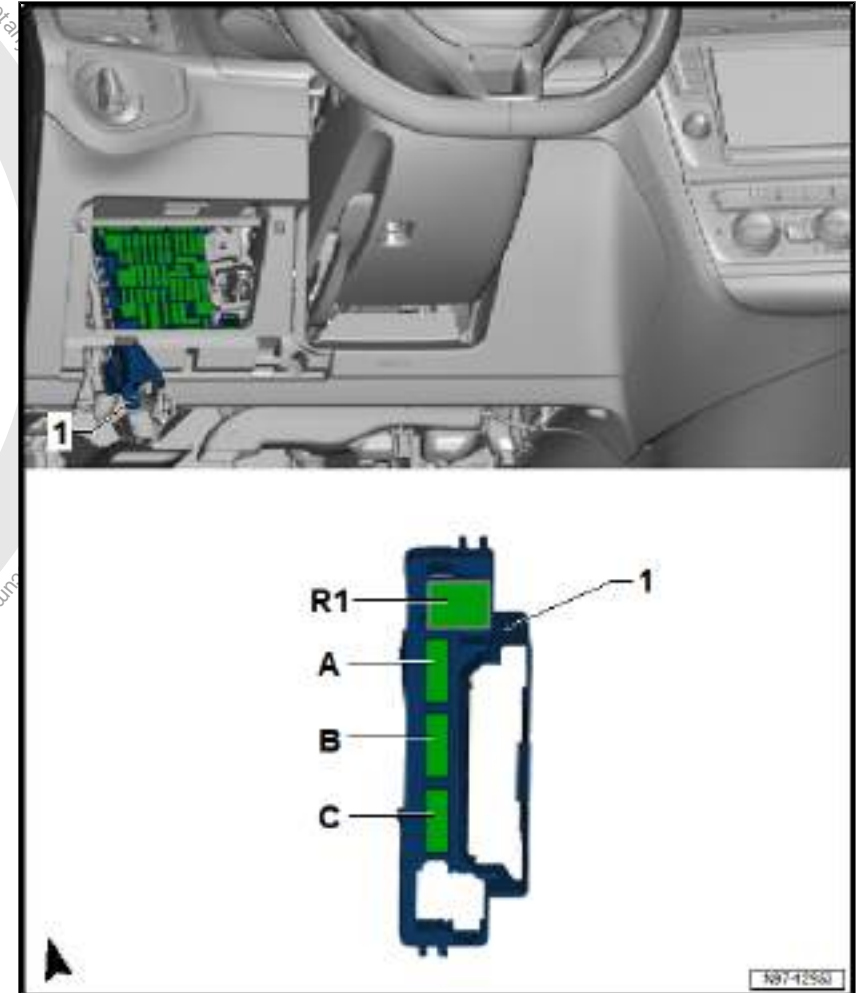
1.4 Relay and fuse carrier 3 -SR3- , under dash panel on left

1.4.1 Fitting location and relay assignment of relay and fuse carrier 3 -SR3- , only for special vehicles, from May 2013

1 - Relay and fuse carrier 3 -SR3-

R1 - Driving school mode relay -J746-

☐ Only for special vehicles



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1.5 Relay and fuse carrier 1 -SR1- , in E-box in engine compartment

1.5.1 Fitting location and relay assignment of relay and fuse carrier 1 -SR1- , on E-box, equipment variant 1, from August 2012

1 - Relay and fuse carrier 1 -SR1- , in E-box in engine compartment

R1 - Starter relay 1 -J906-

R2 - Starter relay 2 -J907-

R3 - Horn relay -J413-

R4 - High heat output relay -J360-

- ☐ Only models with auxiliary air heater

R5 - Main relay -J271-

- ☐ Only models with petrol engine

R5 - Terminal 30 voltage supply relay -J317-

- ☐ Only models with diesel engine

R6 - Automatic glow period control unit -J179-

- ☐ Only models with diesel engine

R7 - Low heat output relay -J359-

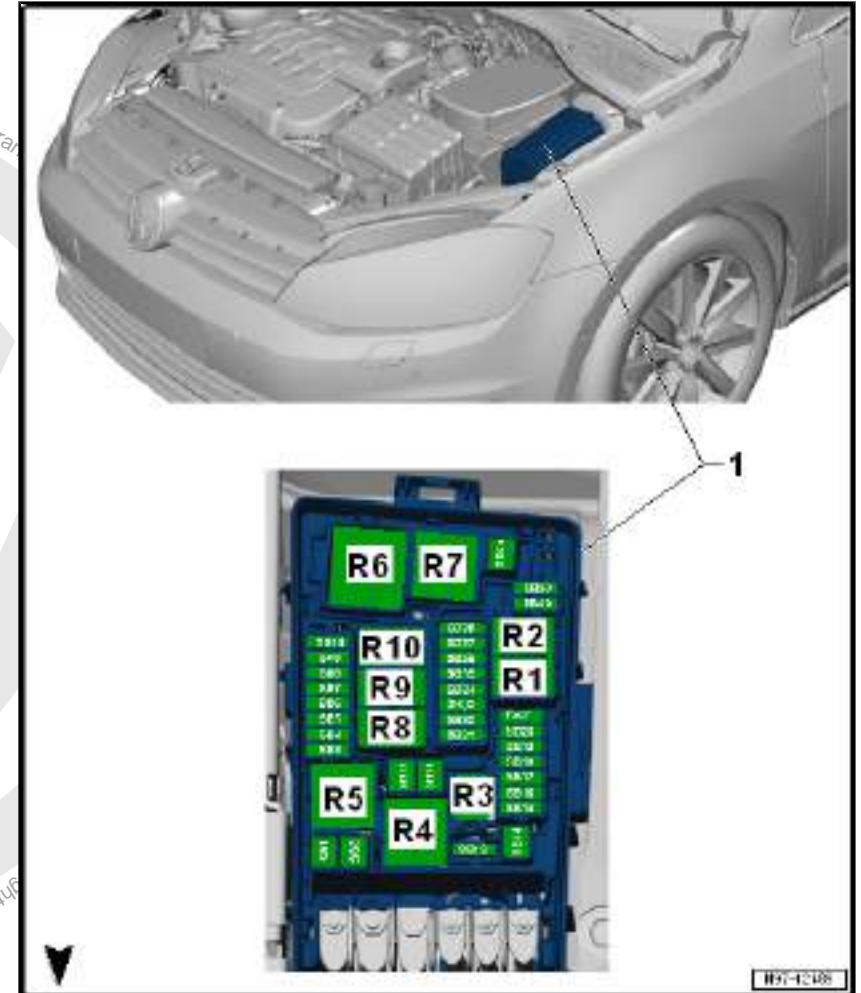
- ☐ Only models with auxiliary air heater

R8 - Fuel pump relay -J17-

- ☐ Only models with MPI petrol engine

R9 - not assigned

R10 - not assigned



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1.5.2 Fitting location and relay assignment of relay and fuse carrier 1 -SR1-, on E-box, equipment variant 2, from April 2013

1 - Relay and fuse carrier 1 -SR1-, in E-box in engine compartment

R1 - Starter relay 1 -J906-

R2 - Starter relay 2 -J907-

R3 - Horn relay -J413-

R4 - Secondary air pump relay -J299-

- ☐ For American markets
- ☐ For models with equipment for Korea

R4 - High heat output relay -J360-

- ☐ Only models with auxiliary air heater

R5 - Main relay -J271-

- ☐ Only models with petrol engine

R5 - Terminal 30 voltage supply relay -J317-

- ☐ Only models with diesel engine

R6 - Automatic glow period control unit -J179-

- ☐ Only models with diesel engine

R6 - Coolant shortage indicator control unit -J120-

- ☐ Only models with hybrid drive system

R7 - Low heat output relay -J359-

- ☐ Only models with auxiliary air heater

R8 - Engine component current supply relay -J757-

- ☐ According to equipment

R8 - Relay for gas shut-off valves -J908-

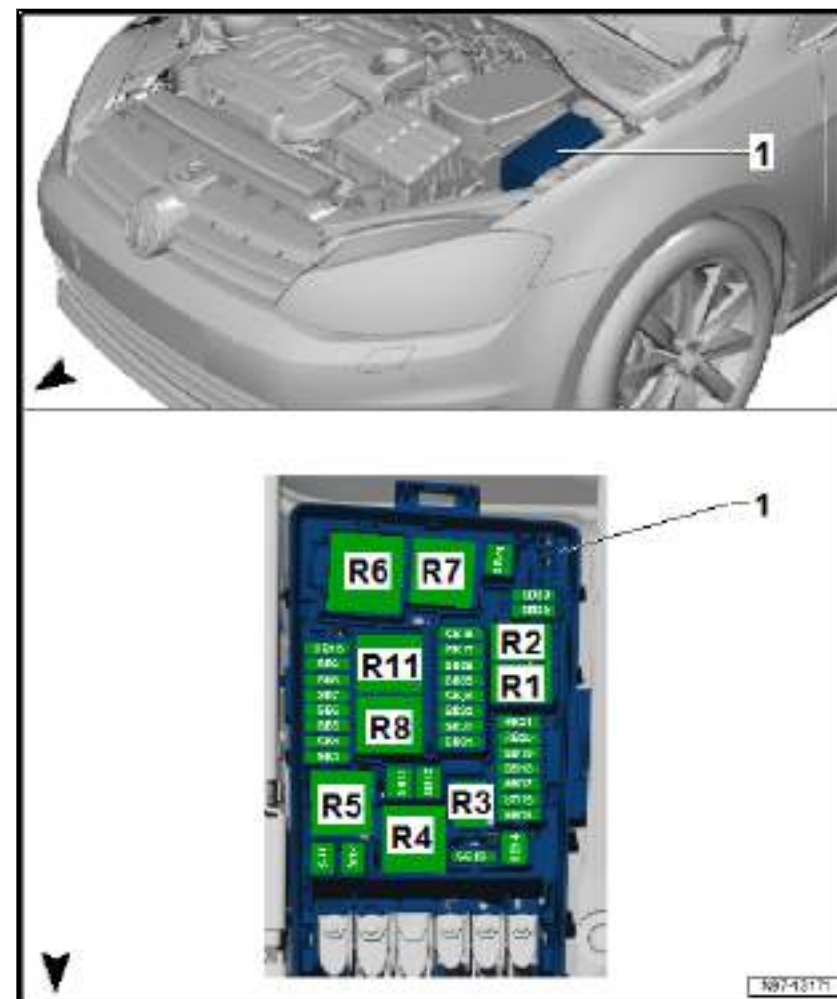
- ☐ Only models with CNG engine

R8 - Air conditioning system relay -J32-

- ☐ Only models with hybrid drive system

R11 - Heated windscreen relay -J47-

- ☐ Only models with heated windscreen

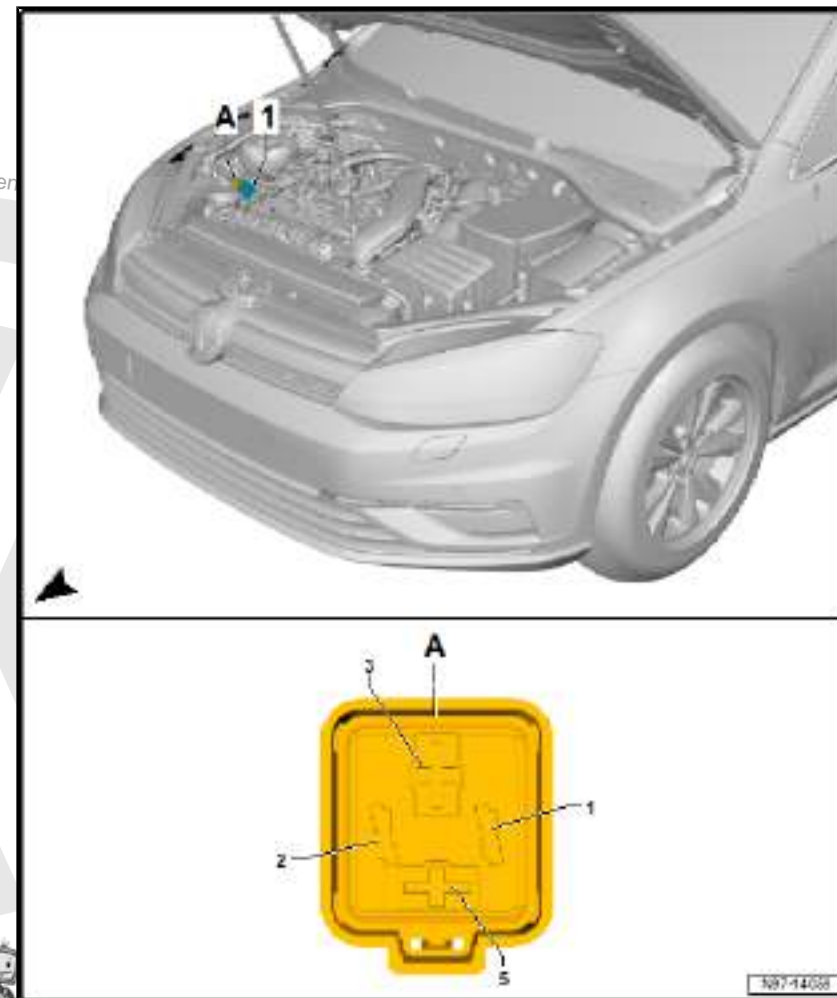


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1.6 Vacuum pump relay -J318- , on right in engine compartment

1.6.1 Fitting location of vacuum pump relay -J318-

1 - Vacuum pump relay -J318-



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1 Control units in front part of vehicle

1.1 Overview of control units

1.1.1 Overview of control units

1 - Auxiliary heater control unit -J364-

- ☐ Fitting location ⇒ [page 4](#)

2 - Front right headlight -MX2-, sales type 5G1

- ☐ Fitting location of right gas discharge bulb control unit -J344- ⇒ [page 5](#)
- ☐ Fitting location of output module 1 for right LED headlight -A27- ⇒ [page 7](#)

Front right headlight -MX2-, sales type BQ1

- ☐ Fitting location of output module 1 for right LED headlight -A27- ⇒ [page 9](#)
- ☐ Fitting location of output module for right headlight -J668- ⇒ [page 9](#)

3 - ABS control unit -J104-

- ☐ Fitting location ⇒ [page 11](#)

4 - Control unit for structure-borne sound -J869-

- ☐ Fitting location ⇒ [page 13](#)

5 - Battery monitor control unit -J367-

- ☐ Fitting location ⇒ [page 15](#)
- ☐ Fitting location for models with hybrid drive system ⇒ [page 17](#)

Control unit for NOx sender -GX30-

- ☐ Fitting location ⇒ [page 18](#)

6 - Wiper motor control unit -J400-

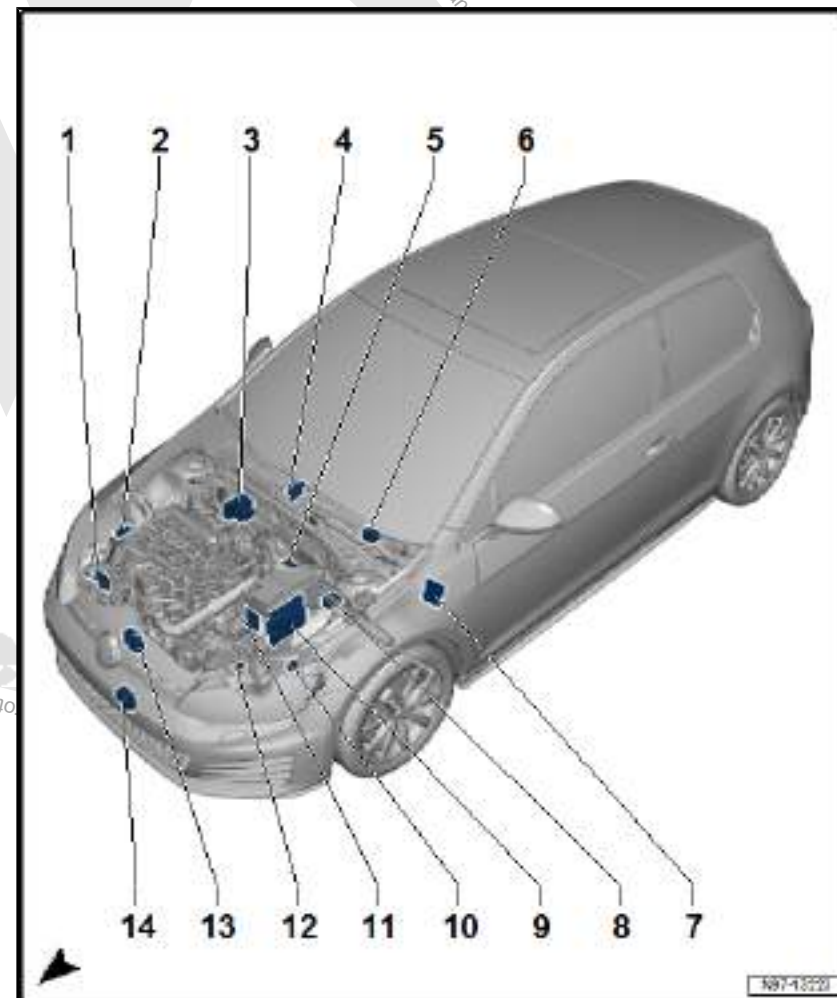
- ☐ Fitting location ⇒ [page 20](#)

7 - Automatic gearbox control unit -J217-

- ☐ Fitting location from May 2014 ⇒ [page 22](#)
- ☐ Fitting location from November 2016 ⇒ [page 24](#)

8 - Power steering control unit -J500-

- ☐ Fitting location ⇒ [page 28](#)



9 - Engine control unit -J623-

- ☐ Fitting location with 60-pin connector -T60- / 94-pin connector -T94- [⇒ page 29](#)
- ☐ Fitting location with 105-pin connector -T105- / 91-pin connector -T91- [⇒ page 31](#)

10 - Front left headlight -MX1- , sales type 5G1

- ☐ Fitting location of left gas discharge bulb control unit -J343- [⇒ page 32](#)
- ☐ Fitting location of output module 1 for left LED headlight -A31- [⇒ page 34](#)

Front left headlight -MX1- , sales type BQ1

- ☐ Fitting location of output module 1 for left LED headlight -A31- [⇒ page 36](#)
- ☐ Fitting location of output module for left headlight -J667- [⇒ page 36](#)

11 - Axle differential lock control unit -J647-

- ☐ Fitting location [⇒ page 38](#)

12 - Mechatronic unit for dual clutch gearbox -J743-

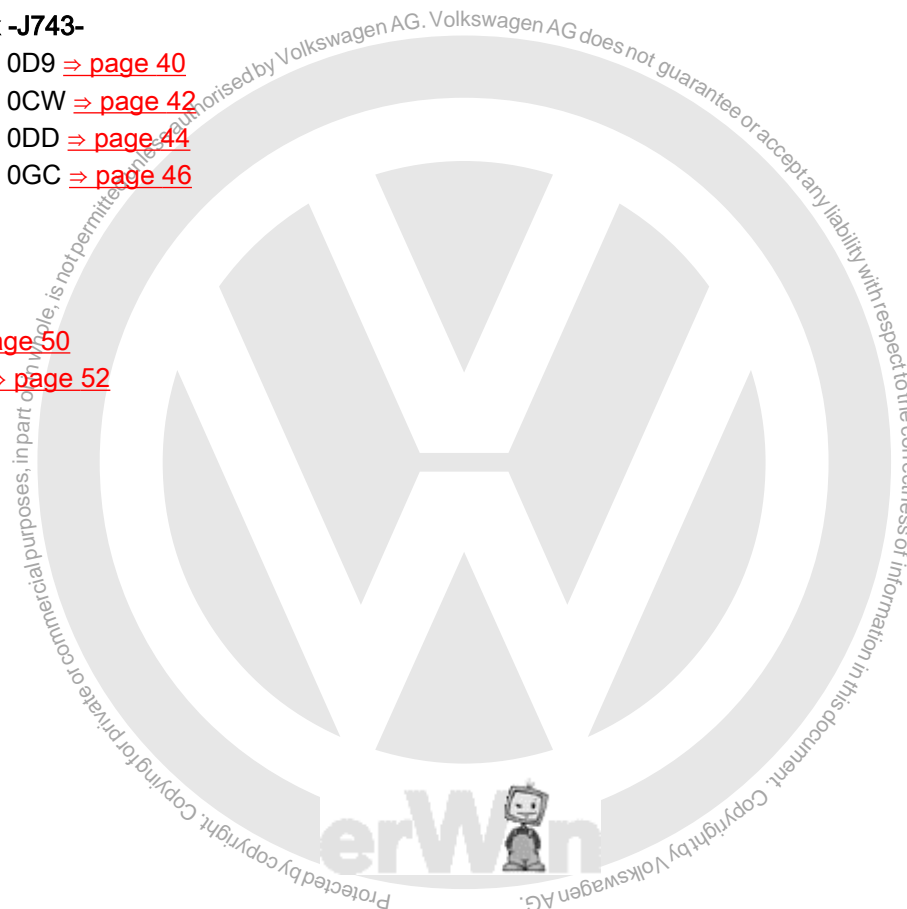
- ☐ Fitting location for dual clutch gearbox 0D9 [⇒ page 40](#)
- ☐ Fitting location for dual clutch gearbox 0CW [⇒ page 42](#)
- ☐ Fitting location for dual clutch gearbox 0DD [⇒ page 44](#)
- ☐ Fitting location for dual clutch gearbox 0GC [⇒ page 46](#)

13 - Radiator fan -VX57-

- ☐ Fitting location [⇒ page 48](#)

14 - Adaptive cruise control unit -J428-

- ☐ Fitting location from August 2012 [⇒ page 50](#)
- ☐ Fitting location from November 2016 [⇒ page 52](#)



1.1.2 Overview of additional control units, for vehicles with hybrid drive system



Note

The illustration does not correspond with the selected vehicle, but the fitting location is the same.

1 - Three-phase current drive -VX54-

- ☐ Fitting location ⇒ [page 54](#)

2 - Maintenance connector for high-voltage system -TW-

- ☐ Fitting location ⇒ [page 56](#)

3 - High voltage heater (PTC) control unit -J848-

- ☐ Fitting location ⇒ [page 58](#)

4 - Brake servo -NX6-

- ☐ Fitting location ⇒ [page 59](#)

5 - Brake system pressure accumulator -VX70-

- ☐ Fitting location ⇒ [page 61](#)

6 - Power and control electronics for electric drive -JX1-

- ☐ Electric drive control unit -J841-
- ☐ High-voltage system fuse 3 -S353-
- ☐ Fitting location ⇒ [page 63](#)

7 - Charging unit 1 for high-voltage battery -AX4-

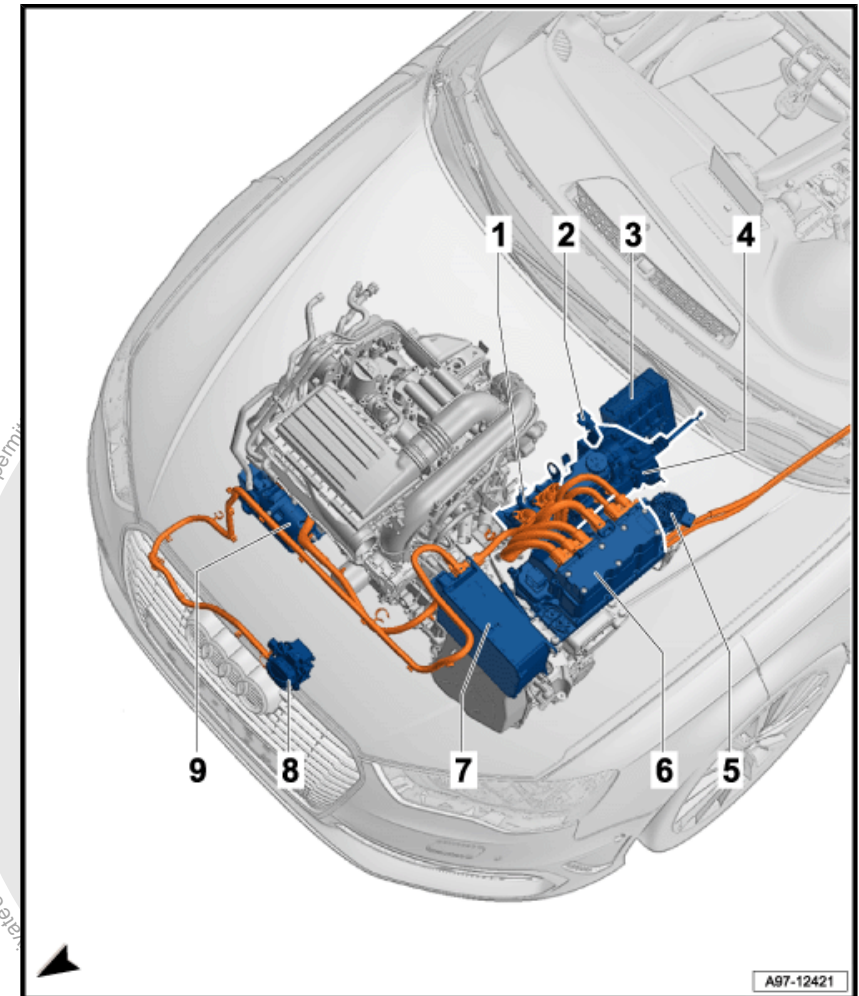
- ☐ Charge voltage control unit for high-voltage battery -J966-
- ☐ High-voltage battery charger control unit -J1050-
- ☐ Fitting location ⇒ [page 64](#)

8 - High-voltage battery charging socket 1 -UX4-

- ☐ Fitting location ⇒ [page 67](#)

9 - Control unit for air conditioner compressor -J842-

- ☐ Fitting location ⇒ [page 69](#)



1.2 Auxiliary heater control unit -J364-

Fitting location:

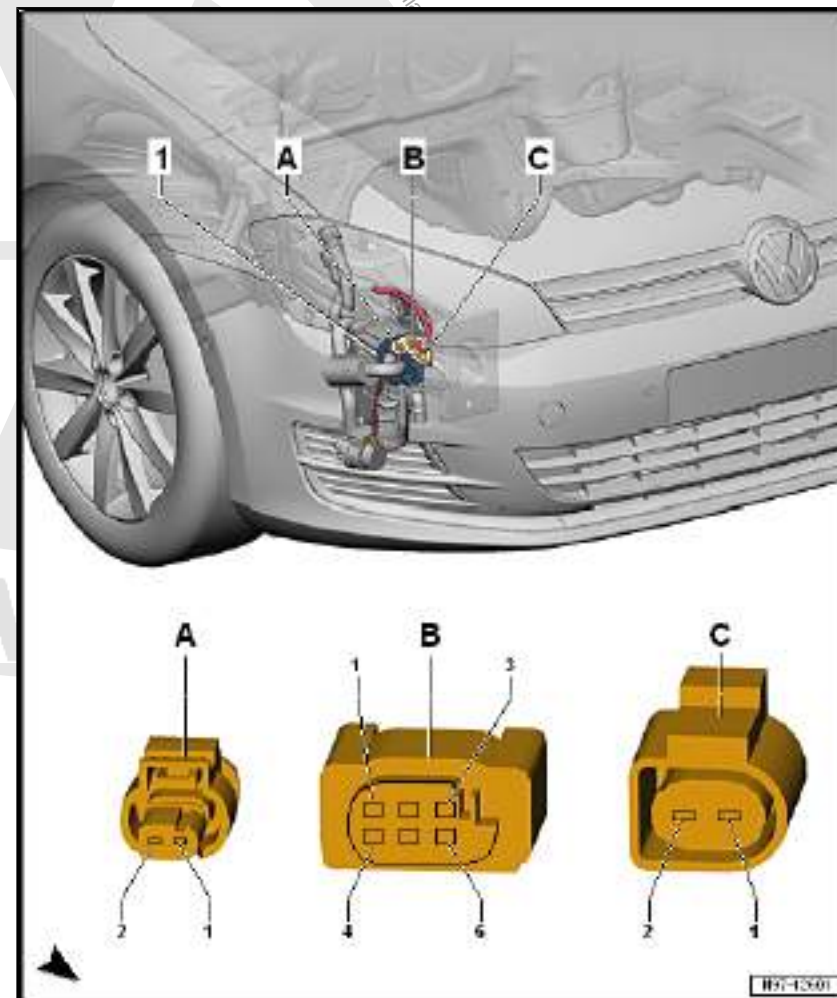
In front right wheel housing.

1 - Auxiliary heater control unit -J364-

A - 2-pin connector -T2by-

B - 6-pin connector -T6ci-

C - 2-pin connector -T2g-



Connector assignment, auxiliary heater control unit -J364-

-T2by- (A)	Designation	-T6ci- (B)	Designation	-T2g- (C)	Designation
1	Circulation pump -V55- ◆ +	1		1	Terminal 30
2	Circulation pump -V55- ◆ -	2	Remote control receiver for auxiliary coolant heater -R149- ◆ LIN bus	2	Terminal 31
		3	(A179) Connection (infotainment CAN bus, low), in dash panel wiring harness		
		4			
		5	(A178) Connection (infotainment CAN bus, high), in dash panel wiring harness		
		6	Metering pump -V54-		

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1.3 Front right headlight -MX2- , sales type 5G1

1.3.1 Right gas discharge bulb control unit -J344-

Fitting location:



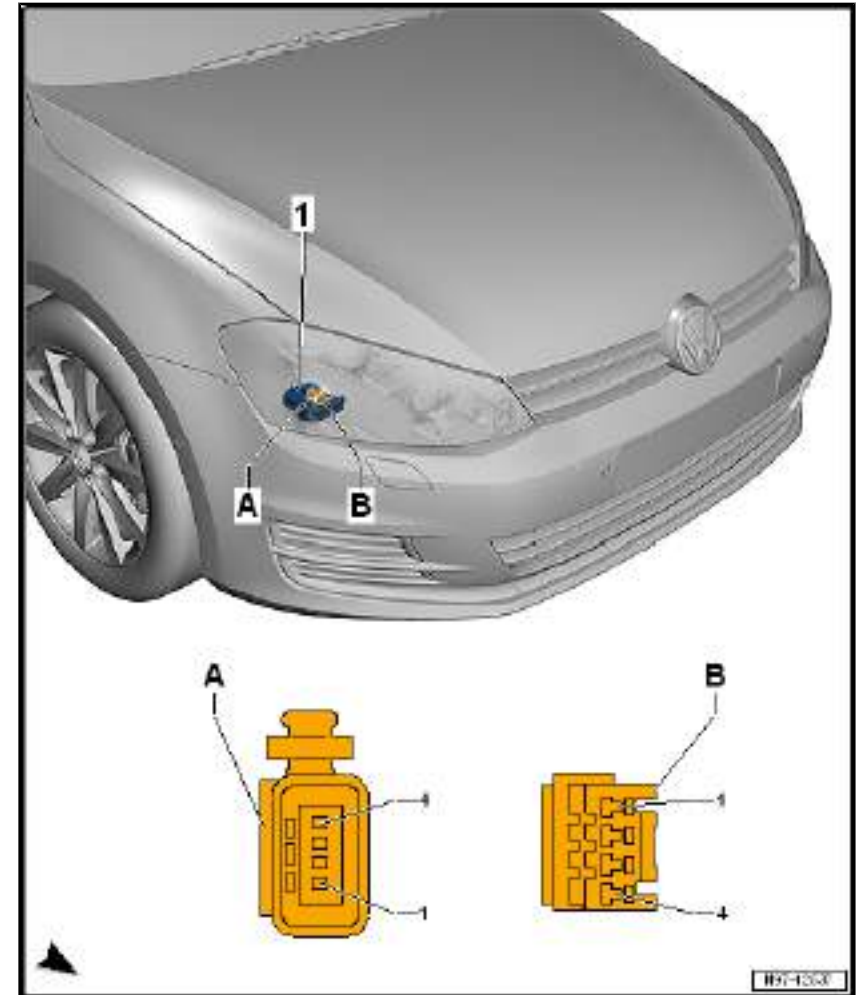
Note

Right gas discharge bulb control unit -J344- is fitted on the front right headlight -MX2-

1 - Right gas discharge bulb control unit -J344-

A - 4-pin connector -T4-

B - 4-pin connector -T4-



Connector assignment of right gas discharge bulb control unit -J344-

-T4- (A)	Designation		-T4- (B)	Designation
1	Right gas discharge (xenon) bulb -L14- ◆ +		1	Lighting +
2	Right gas discharge (xenon) bulb -L14- ◆ -		2	Terminal 31
3			3	

-T4- (A)	Designation		-T4- (B)	Designation
4			4	

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1.3.2 Output module 1 for right LED headlight -A27-

Fitting location:

on right headlight.



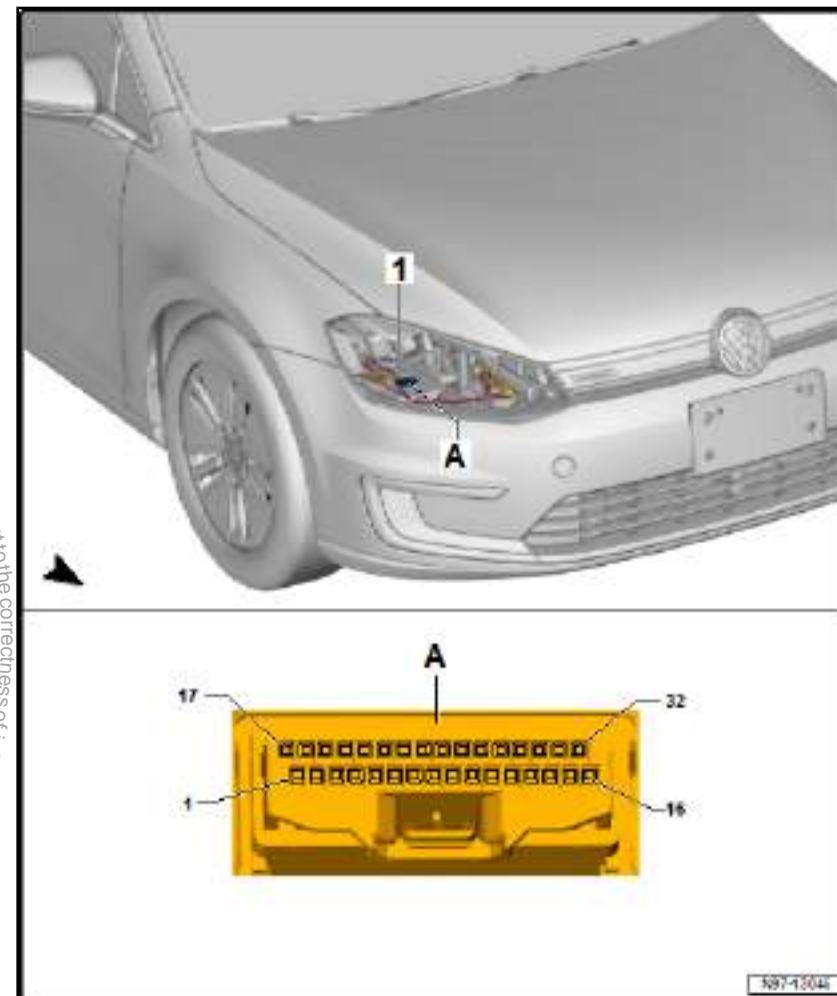
Note

Output module 1 for right LED headlight -A27- is fitted from below on front right headlight -MX2-



1 - Output module 1 for right LED headlight -A27-

A - 32-pin connector -T32f-



Connector assignment of output module 1 for right LED headlight -A27-

-T32f- (A)	Designation		-T32f- (A)	Designation
1	Front right headlight -MX2- ◆ Onboard supply connector		17	Front right headlight -MX2- ◆ Onboard supply connector
2			18	Output module for right main beam headlight -J1055-
3			19	Output module for right main beam headlight -J1055-
4			20	Output module for right main beam headlight -J1055-

-T32f- (A)	Designation		-T32f- (A)	Designation
5			21	Output module for right main beam headlight -J1055-
6	Front right headlight -MX2- ◆ Onboard supply connector		22	Front right headlight -MX2- ◆ Onboard supply connector
7	Output module for right headlight -J668-		23	Output module for right main beam headlight -J1055-
8	Output module for right main beam headlight -J1055-		24	Output module for right headlight -J668-
9			25	
10			26	
11			27	Output module for right headlight -J668-
12			28	Output module for right main beam headlight -J1055-
13			29	
14	Front right headlight -MX2- ◆ Onboard supply connector		30	Output module for right headlight -J668-
15	Front right headlight -MX2- ◆ Onboard supply connector		31	Output module for right headlight -J668-
16	Front right headlight -MX2- ◆ Onboard supply connector		32	Front right headlight -MX2- ◆ Onboard supply connector

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1.4 Front right headlight -MX2- , sales type BQ1

Fitting location:

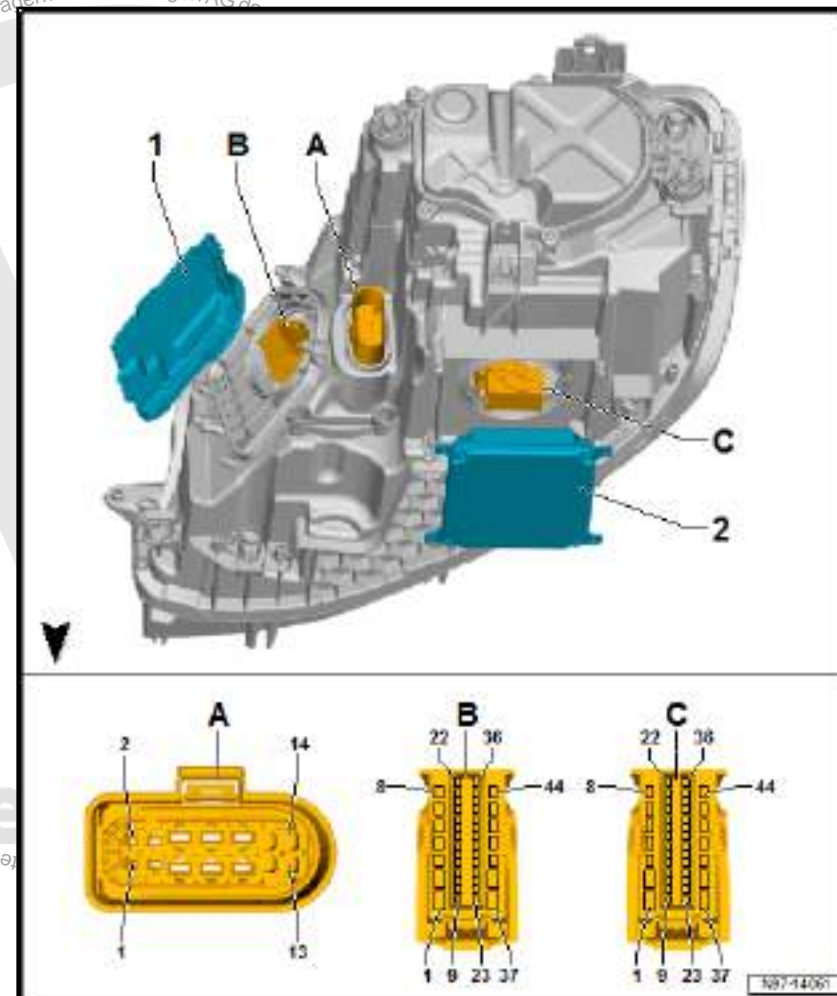
in engine compartment, right.

1 - Output module for right headlight -J668-

□ Only models with VARILIS headlights

2 - Output module 1 for right LED headlight -A27-

A - 14-pin connector -T14k-



Connector assignment of front right headlight -MX2-

-T14k- (A)	Designation
1	C67 Connection (CAN bus, high) in headlight wiring harness
2	C68 Connection (CAN bus, low) in headlight wiring harness
3	
4	Terminal 15
5	Terminal 31

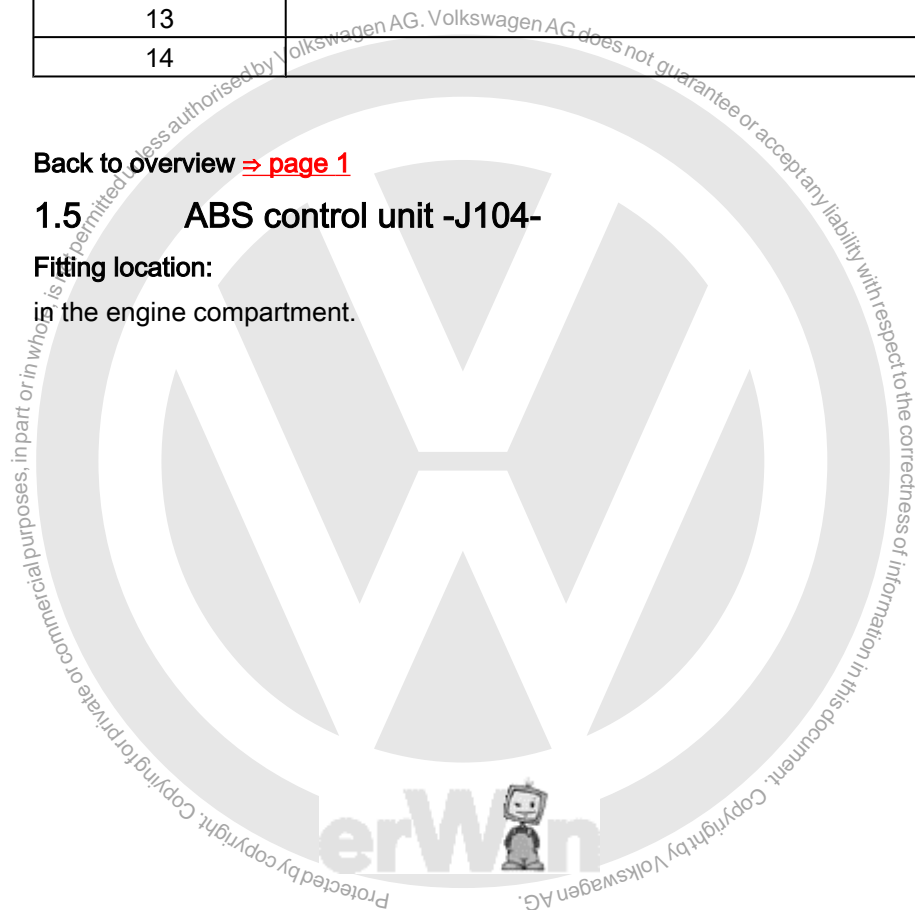
-T14k- (A)	Designation
6	Onboard supply control unit -J519-
7	Terminal 31
8	Terminal 15
9	
10	
11	Onboard supply control unit -J519-
12	
13	
14	

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1.5 ABS control unit -J104-

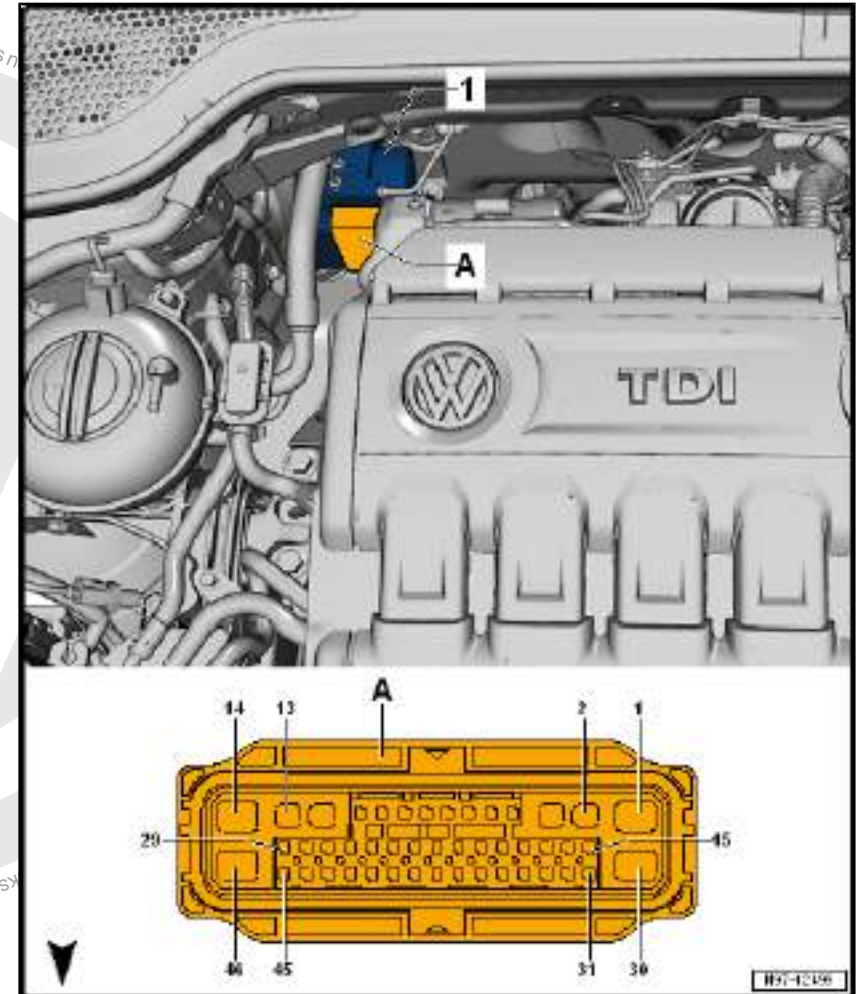
Fitting location:

in the engine compartment.



1 - ABS control unit -J104-

A - 46-pin connector -T46a-



Connector assignment, ABS control unit -J104-

-T46a- (A)	Designation		-T46a- (A)	Designation
1	Terminal 30		24	Electromechanical parking brake button -E538-
2	Right parking brake motor -V283-		25	
3	Right parking brake motor -V283-		26	
4	Front right speed sensor -G45- , -		27	
5	Front right speed sensor -G45- , +		28	

-T46a- (A)	Designation		-T46a- (A)	Designation
6	Rear left speed sensor -G46- , -		29	
7	Rear left speed sensor -G46- , +		30	Terminal 30
8	Front left speed sensor -G47- , -		31	Terminal 30
9	Front left speed sensor -G47- , +		32	Auto-hold warning lamp -K237-
10	Rear right speed sensor -G44- , -		33	Clutch position sender -G476-
11	Rear right speed sensor -G44- , +		34	
12	Left parking brake motor -V282-		35	Terminal 15
13	Left parking brake motor -V282-		36	Electromechanical parking brake warning lamp -K213-
14	Terminal 31		37	
15			38	Vacuum sender -G608-
16			39	TCS and ESP button -E256-
17	Electromechanical parking brake button -E538-		40	
18	Electromechanical parking brake button -E538-		41	
19	Electromechanical parking brake button -E538-		42	B672 Connection 1 (running gear/dash panel insert CAN bus, high) in main wiring harness
20			43	B676 Connection 1 (running gear/dash panel insert CAN bus, low) in main wiring harness
21			44	Vacuum sender -G608-
22			45	Vacuum sender -G608-
23	Auto-hold button -E540-		46	Terminal 31

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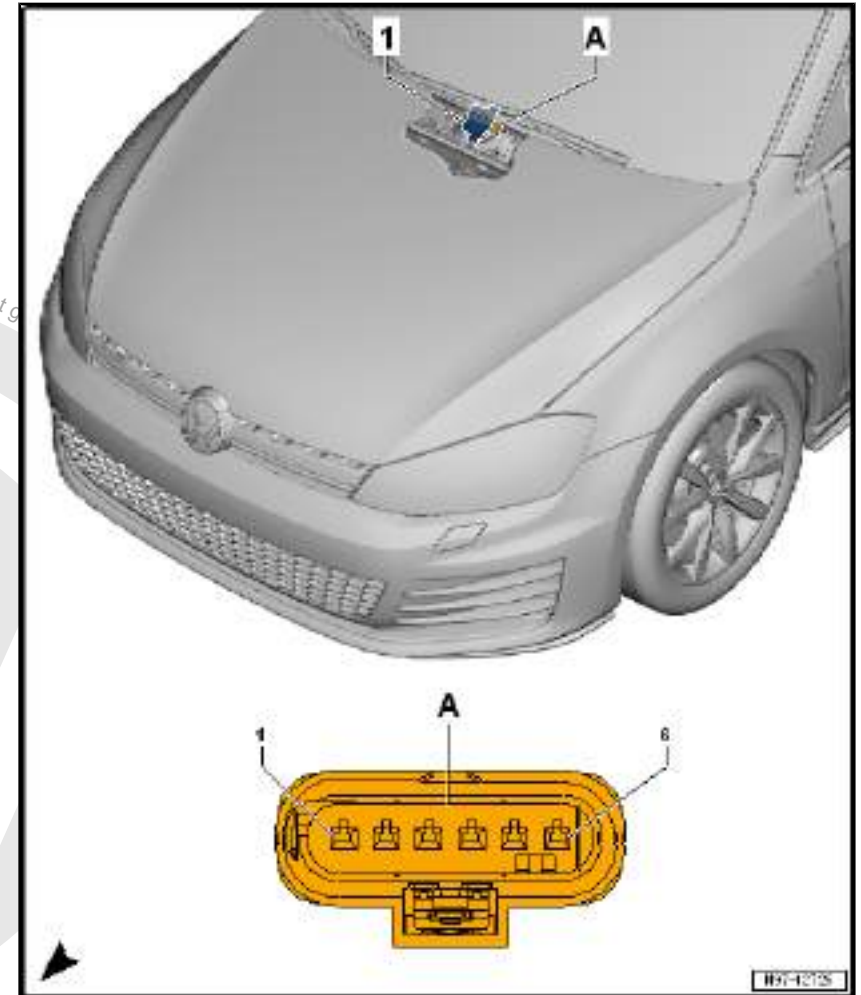
1.6 Control unit for structure-borne sound -J869-

Fitting location:

in plenum chamber.

1 - Control unit for structure-borne sound -J869-

A - 6-pin connector -T6cu-



Connector assignment, control unit for structure-borne sound -J869-

-T6cu- (A)	Designation	-T6cu- (A)	Designation
1	Actuator for structure-borne sound -R214-	5	B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
2	Actuator for structure-borne sound -R214-	6	B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
3	Terminal 15		
4	Terminal 31		

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1.7 Battery monitor control unit -J367-

1.7.1 Battery monitor control unit -J367-

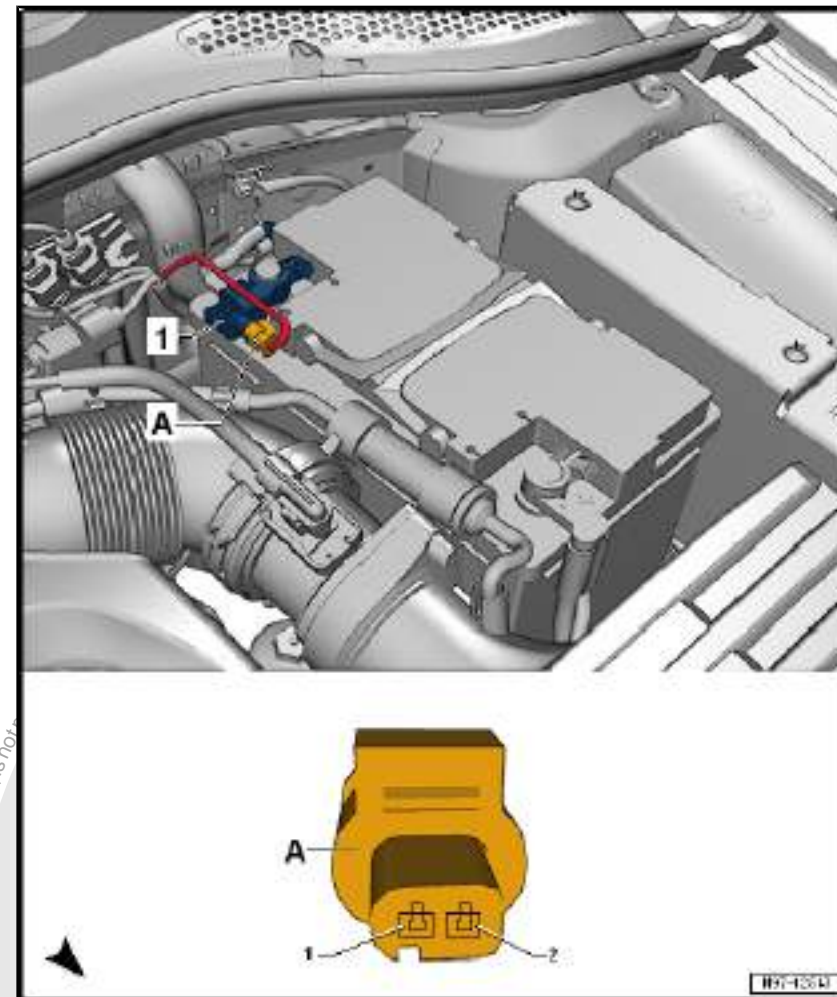
Fitting location:

on the battery.



1 - Battery monitor control unit -J367-

A - 2-pin connector -T2bn-



Connector assignment, battery monitor control unit -J367-

-T2bn- (A)	Designation
1	LIN bus
2	Terminal 30

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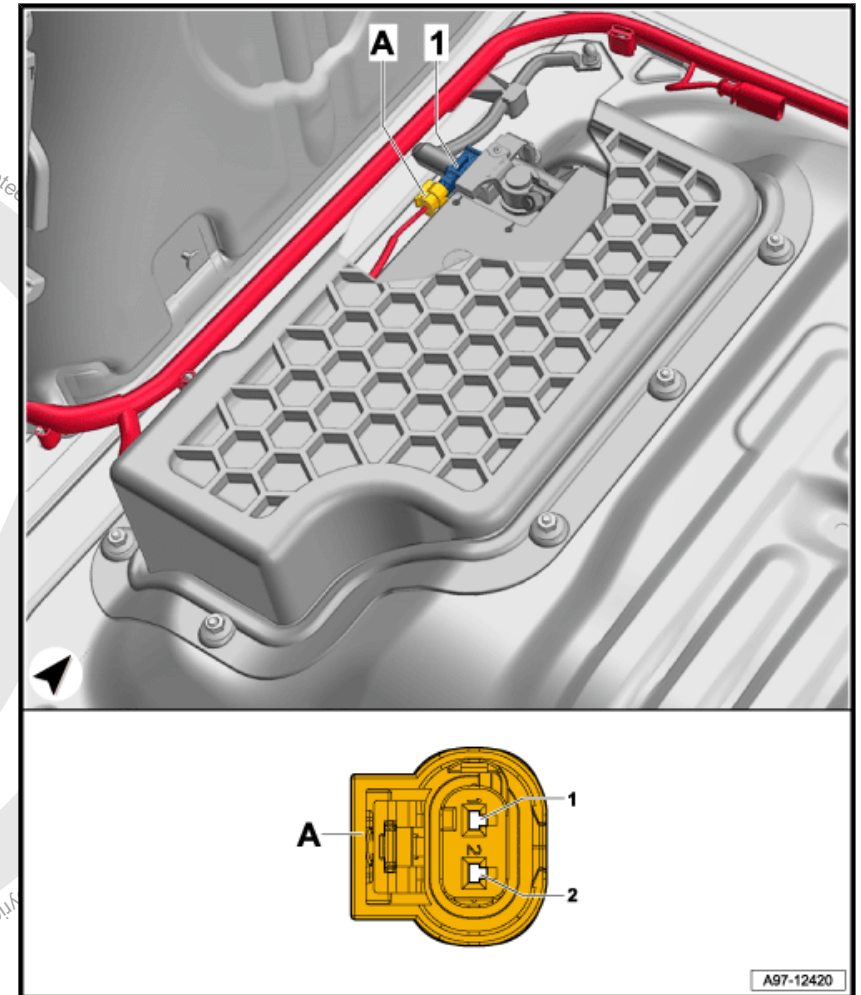
1.7.2 Battery monitor control unit -J367- , for models with hybrid drive system

Fitting location:

on the battery.

1 - Battery monitor control unit -J367-

A - 2-pin connector -T2bn-



Connector assignment, battery monitor control unit -J367-

-T2bn- (A)	Designation
1	LIN bus
2	Terminal 30

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1.8 Control unit for NOx sender -GX30-

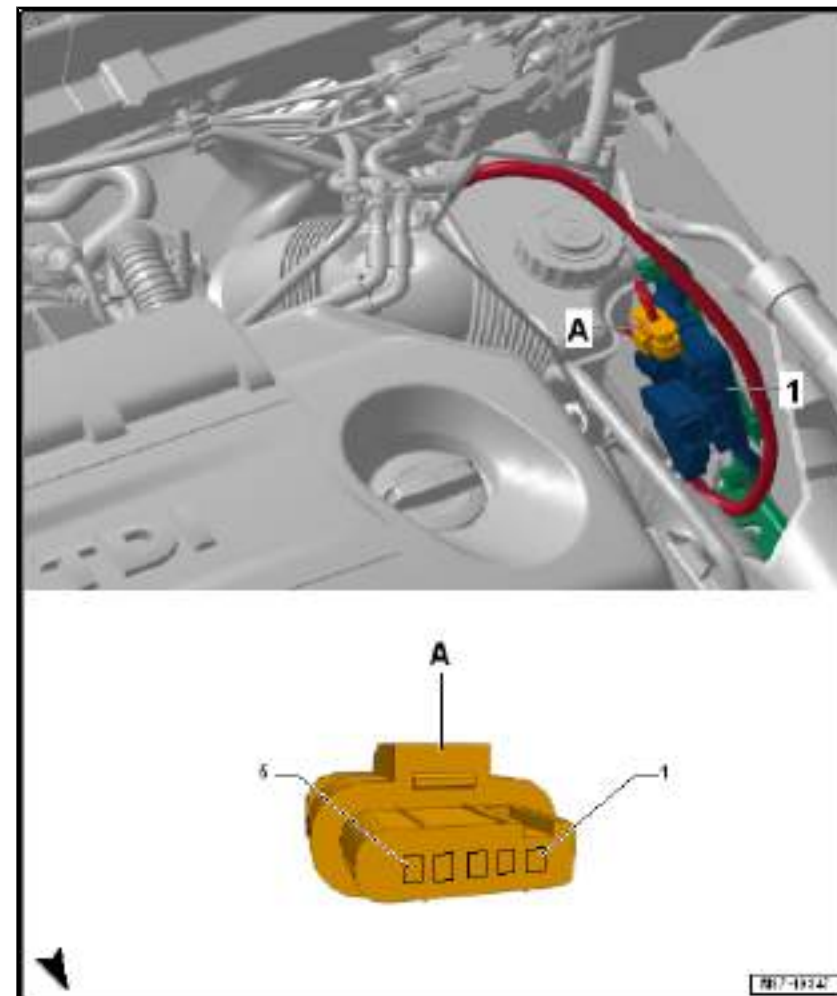
Fitting location:

in the engine compartment.



1 - Control unit for NOx sender -GX30-

A - 5-pin connector -T5ap-



Connector assignment of control unit for NOx sender -GX30-

-T5ap- (A)	Designation
1	Terminal 87
2	Terminal 31
3	B392 Connection 3 (powertrain CAN bus, low), in main wiring harness
4	B385 Connection 3 (powertrain CAN bus, high), in main wiring harness

-T5ap- (A)	Designation
5	

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1.9 Wiper motor control unit -J400-

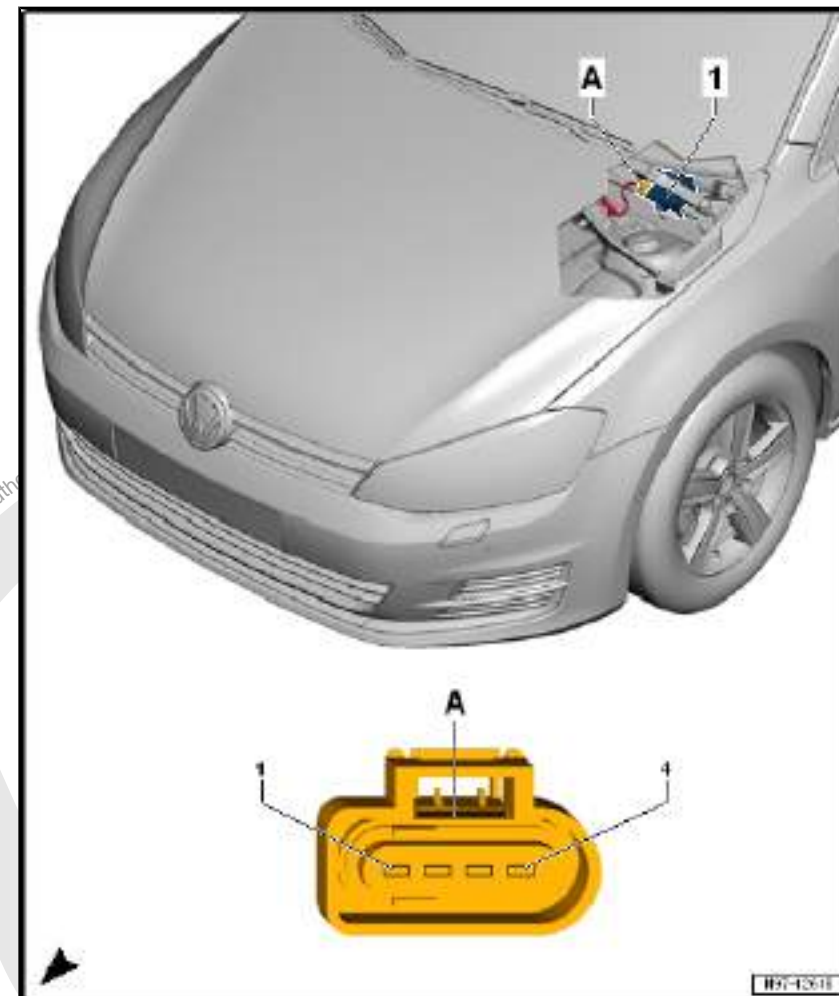
Fitting location:

In driver side plenum chamber.



1 - Wiper motor control unit -J400-

A - 4-pin connector -T4q-



Connector assignment, wiper motor control unit -J400-

-T4q- (A)	Designation		-T4q- (A)	Designation
1	LIN bus ¹⁾		1	Terminal 30 ²⁾
2			2	Terminal 31 ²⁾
3	Terminal 31 ¹⁾		3	
4	Terminal 30 ¹⁾		4	LIN bus ²⁾

- 1) Only left-hand drive models
- 2) Only right-hand drive models

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1.10 Automatic gearbox control unit -J217-

1.10.1 Automatic gearbox control unit -J217- , from May 2014

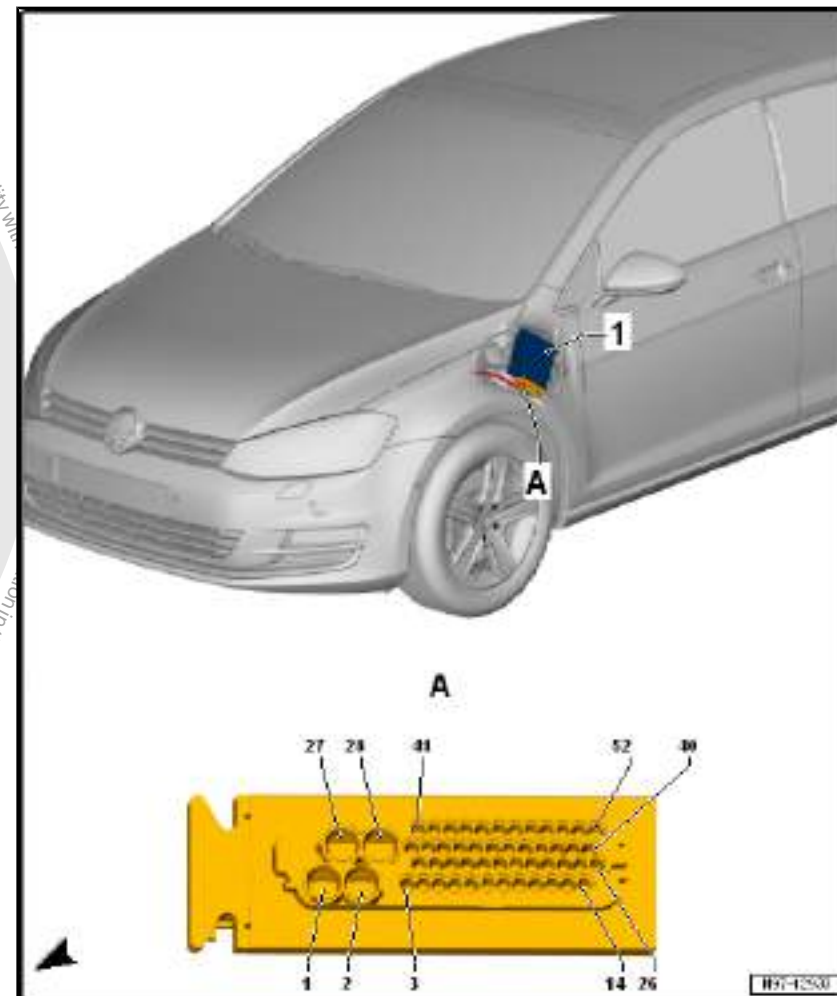
Fitting location:

in driver side wing





1 - Automatic gearbox control unit -J217-

A - 52-pin connector -T52-



Connector for automatic gearbox control unit -J217-

-T52- (A)	Designation	-T52- (A)	Designation
1	Terminal 31	27	Terminal 30
2	Terminal 31	28	Terminal 30
3	Terminal 15	29	Selector lever -E313-
4	Automatic gearbox pressure regulating valve 2 -N216-	30	Automatic gearbox pressure regulating valve 5 -N233-
5	Automatic gearbox pressure regulating valve 7 -N443-	31	Automatic gearbox pressure regulating valve 1 -N215-

-T52- (A)	Designation		-T52- (A)	Designation
6	Automatic gearbox pressure regulating valve 3 -N217-		32	Automatic gearbox pressure regulating valve 4 -N218-
7			33	
8	Gearbox oil temperature sender -G93-		34	 Connection 2 (powertrain CAN bus, low), in main wiring harness
9			35	
10	Multifunction switch -F125-		36	Multifunction switch -F125-
11			37	
12			38	Gearbox output speed sender -G195-
13	Left parking brake motor -V282-		39	Gearbox input speed sender -G182-
14	Terminal 31		40	Selector lever -E313-
15	Solenoid valve 2 -N89-		41	Solenoid valve 1 -N88-
16	Automatic gearbox pressure regulating valve 4 -N218-		42	Automatic gearbox pressure regulating valve 3 -N217-
17	Automatic gearbox pressure regulating valve 1 -N215-		43	Automatic gearbox pressure regulating valve 7 -N443-
18	Automatic gearbox pressure regulating valve 5 -N233-		44	Automatic gearbox pressure regulating valve 2 -N216-
19			45	Gearbox oil temperature sender -G93-
20			46	 Connection 2 (powertrain CAN bus, high), in main wiring harness
21	Multifunction switch -F125-		47	
22	Multifunction switch -F125-		48	Multifunction switch -F125-
23			49	Selector lever -E313-
24			50	Gearbox output speed sender -G195-
25			51	Gearbox input speed sender -G182-
26			52	

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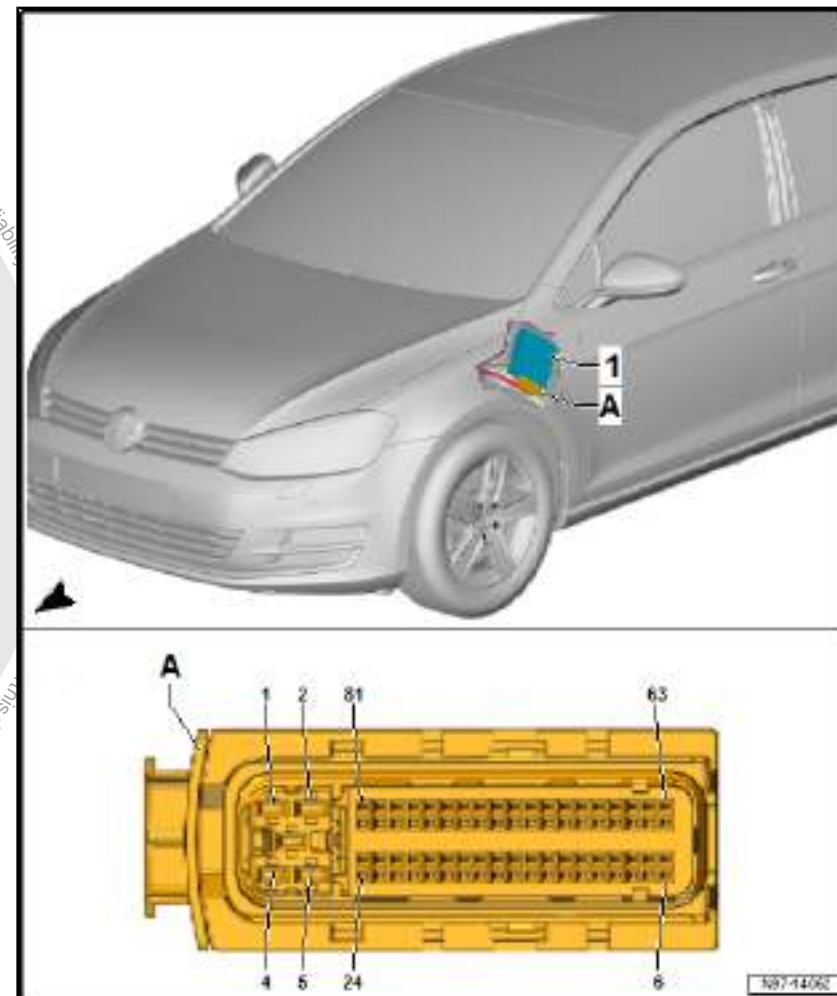
1.10.2 Automatic gearbox control unit -J217- , from November 2016

Fitting location:

in driver side wing

1 - Automatic gearbox control unit -J217-


A - 81-pin connector -T81-



Connector for automatic gearbox control unit -J217-

-T81- (A)	Designation		-T81- (A)	Designation
1	Terminal 30		42	Gearbox -NX1- ♦ Automatic gearbox pressure regulating valve 7 -N443-
2	Terminal 30		43	Gearbox -NX1- ♦ Automatic gearbox pressure regulating valve 1 -N215-
3			44	

-T81- (A)	Designation	-T81- (A)	Designation
4	Terminal 31	45	B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
5	Terminal 31	46	B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
6		47	Gearbox -NX1- ◆ Gearbox input speed sender -G182-
7		48	Gearbox -NX1- ◆ Gearbox output speed sender -G195-
8		49	
9		50	
10		51	
11		52	Gearbox -NX1- ◆ Multifunction switch -F125-
12		53	Gearbox -NX1- ◆ Multifunction switch -F125-
13		54	
14		55	
15		56	
16		57	Gearbox -NX1- ◆ Gearbox oil temperature sender -G93-
17		58	Gearbox -NX1- ◆ Gearbox oil temperature sender -G93-
18		59	
19		60	
20		61	
21		62	
22		63	
23		64	
24		65	
25		66	Gearbox -NX1- ◆ Gearbox input speed sender -G182-

-T81- (A)	Designation		-T81- (A)	Designation
26			67	Gearbox -NX1- ◆ Gearbox output speed sender -G195-
27			68	
28			69	
29			70	Selector lever -E313-
30	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 2 -N216-		71	Gearbox -NX1- ◆ Multifunction switch -F125-
31			72	Gearbox -NX1- ◆ Multifunction switch -F125-
32	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 5 -N233-		73	Gearbox -NX1- ◆ Multifunction switch -F125-
33	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 4 -N218-		74	Selector lever -E313-
34	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 3 -N217-		75	
35	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 7 -N443-		76	
36	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 1 -N215-		77	
37	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 2 -N216-		78	Terminal 15 
38			79	Gearbox -NX1- ◆ Solenoid valve 2 -N89-
39	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 5 -N233-		80	Gearbox -NX1- ◆ Solenoid valve 1 -N88-
40	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 4 -N218-		81	Selector lever -E313-
41	Gearbox -NX1- ◆ Automatic gearbox pressure regulating valve 3 -N217-			

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1.11 Power steering control unit -J500-

Fitting location:

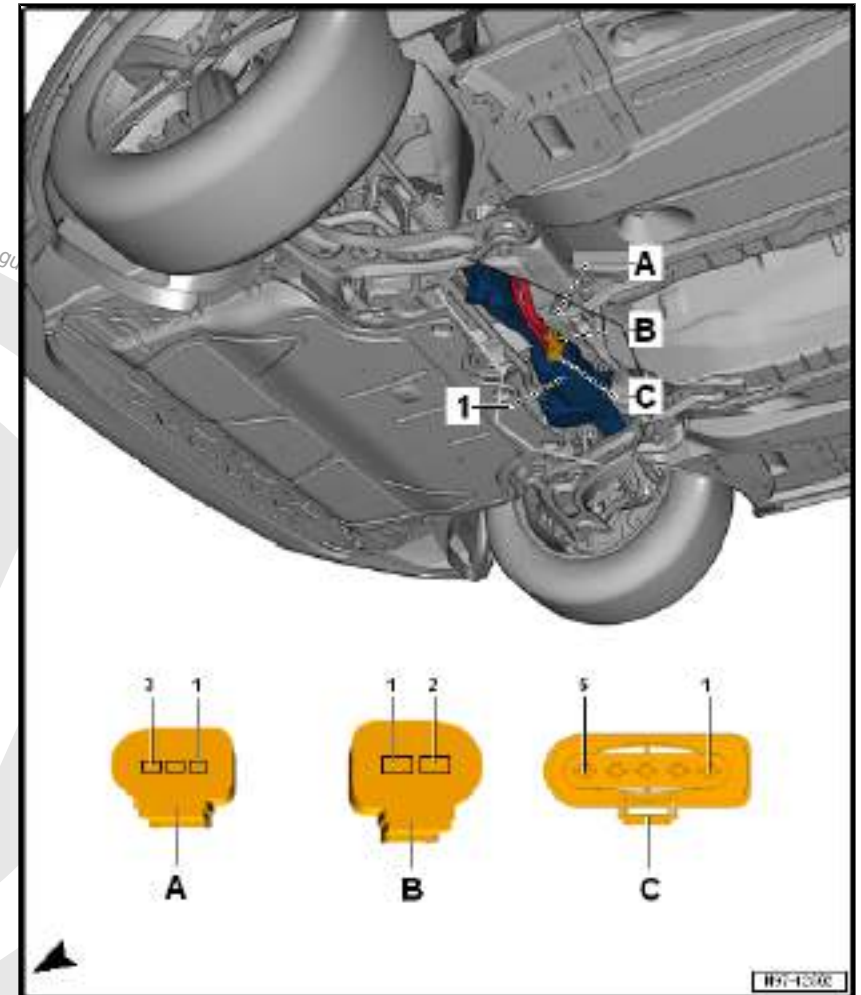
Steering box

1 - Power steering control unit -J500-

A - 3-pin connector -T3bq-

B - 2-pin connector -T2a-

C - 5-pin connector -T5g-



Connector assignment, power steering control unit -J500-

-T2a- (B)	Designation		-T3bq- (A)	Designation
1	Terminal 31		1	(B676) Connection 1 (running gear/dash panel insert CAN bus, low) in main wiring harness
2	Terminal 30		2	(B672) Connection 1 (running gear/dash panel insert CAN bus, high) in main wiring harness
			3	Terminal 15

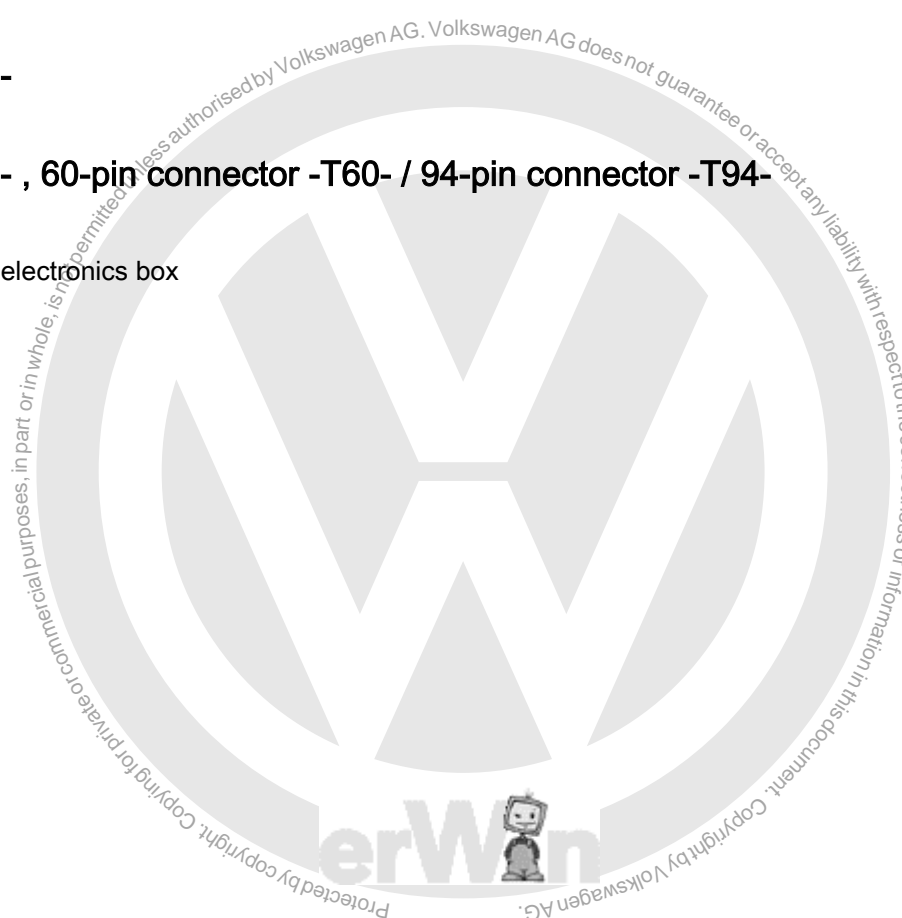
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1.12 Engine control unit -J623-

1.12.1 Engine control unit -J623- , 60-pin connector -T60- / 94-pin connector -T94-

Fitting location:

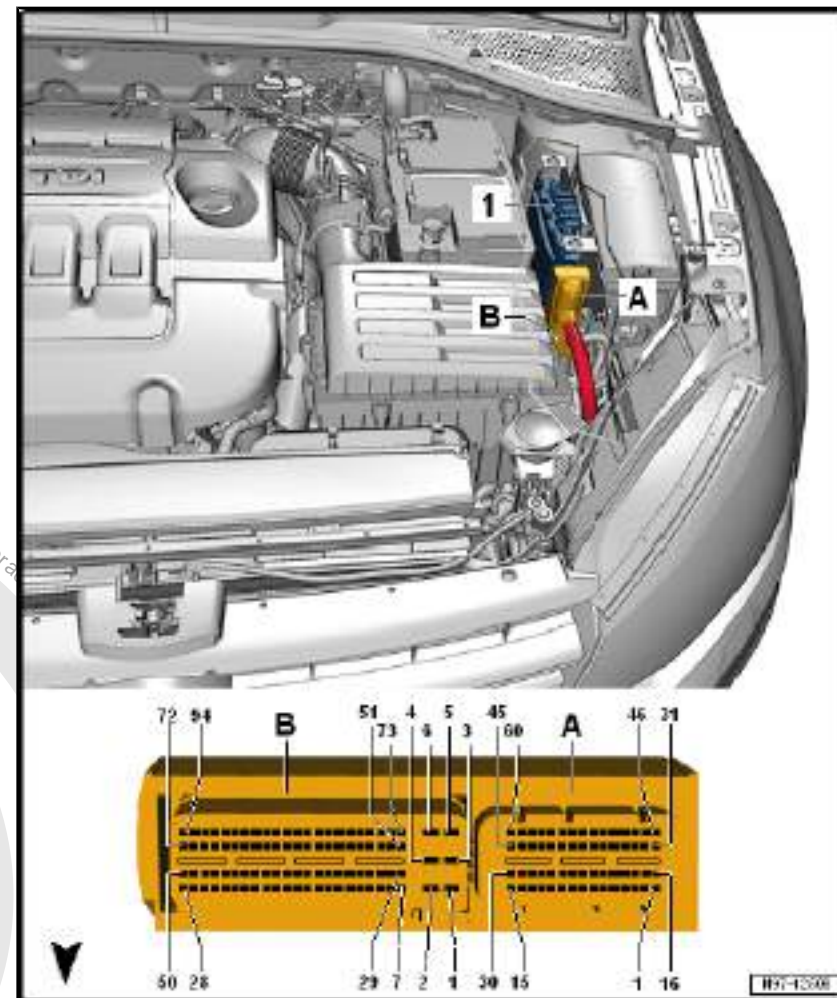
in engine compartment, between battery and electronics box



1 - Engine control unit -J623-

A - 60-pin connector -T60-

B - 94-pin connector -T94-



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1.12.2 Engine control unit -J623-, 105-pin connector -T105- / 91-pin connector -T91-

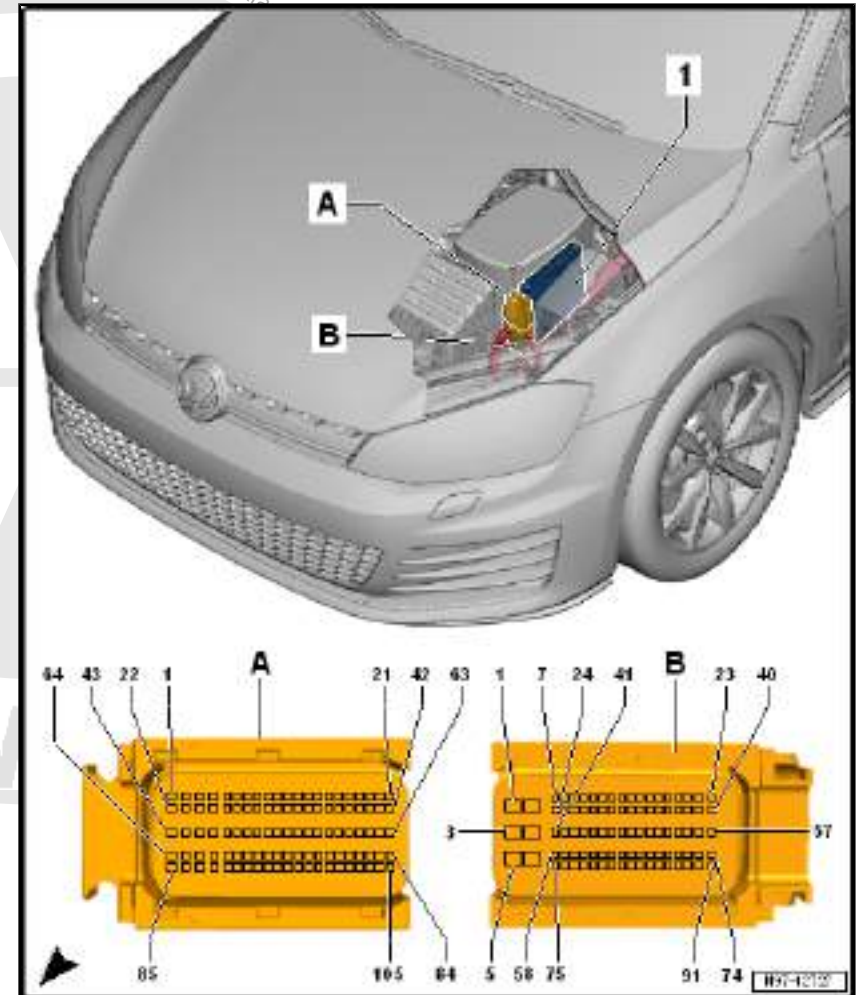
Fitting location:

in engine compartment, between battery and electronics box

1 - Engine control unit -J623-

A - 105-pin connector -T105-

B - 91-pin connector -T91-



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1.13 Front left headlight -MX1- , sales type 5G1

1.13.1 Left gas discharge bulb control unit -J343-

Fitting location:



Note

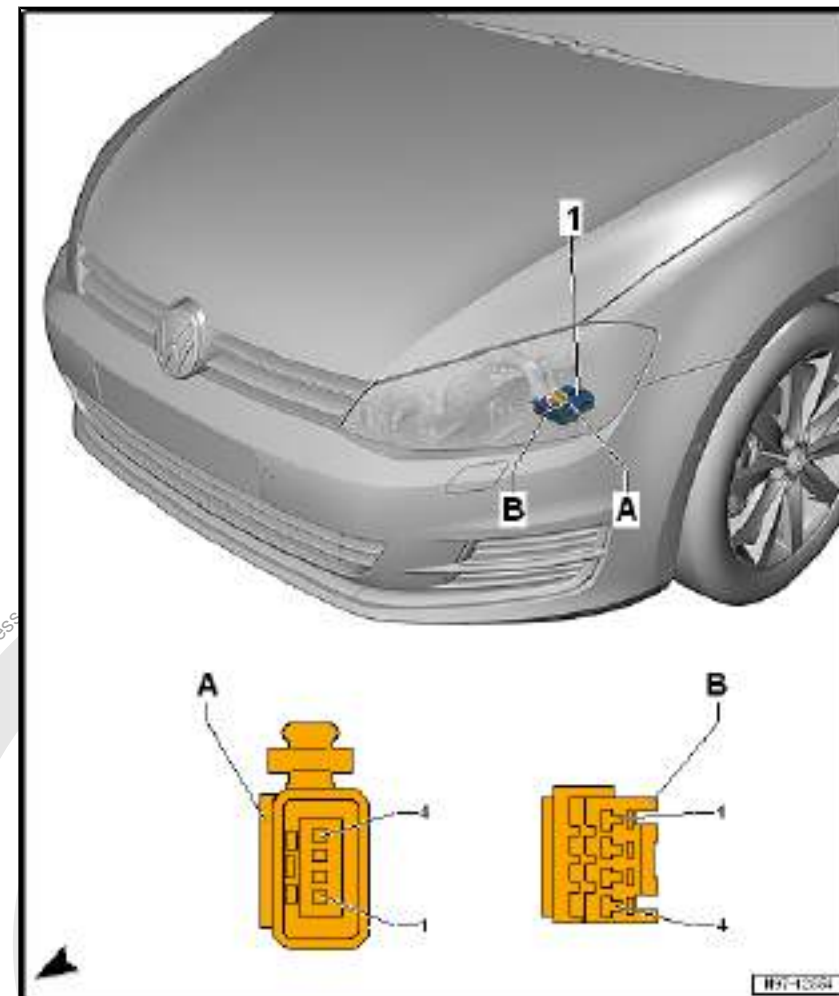
Left gas discharge bulb control unit -J343- is fitted on the front left headlight -MX1-



1 - Left gas discharge bulb control unit -J343-

A - 4-pin connector -T4-

B - 4-pin connector -T4-



Connector assignment of left gas discharge bulb control unit -J343-

-T4- (A)	Designation	-T4- (B)	Designation
1	Left gas discharge (xenon) bulb -L13- ◆ +	1	Lighting +
2	Left gas discharge (xenon) bulb -L13- ◆ -	2	Terminal 31
3		3	

-T4- (A)	Designation		-T4- (B)	Designation
4			4	

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1.13.2 Output module 1 for left LED headlight -A31-

Fitting location:

on left headlight.

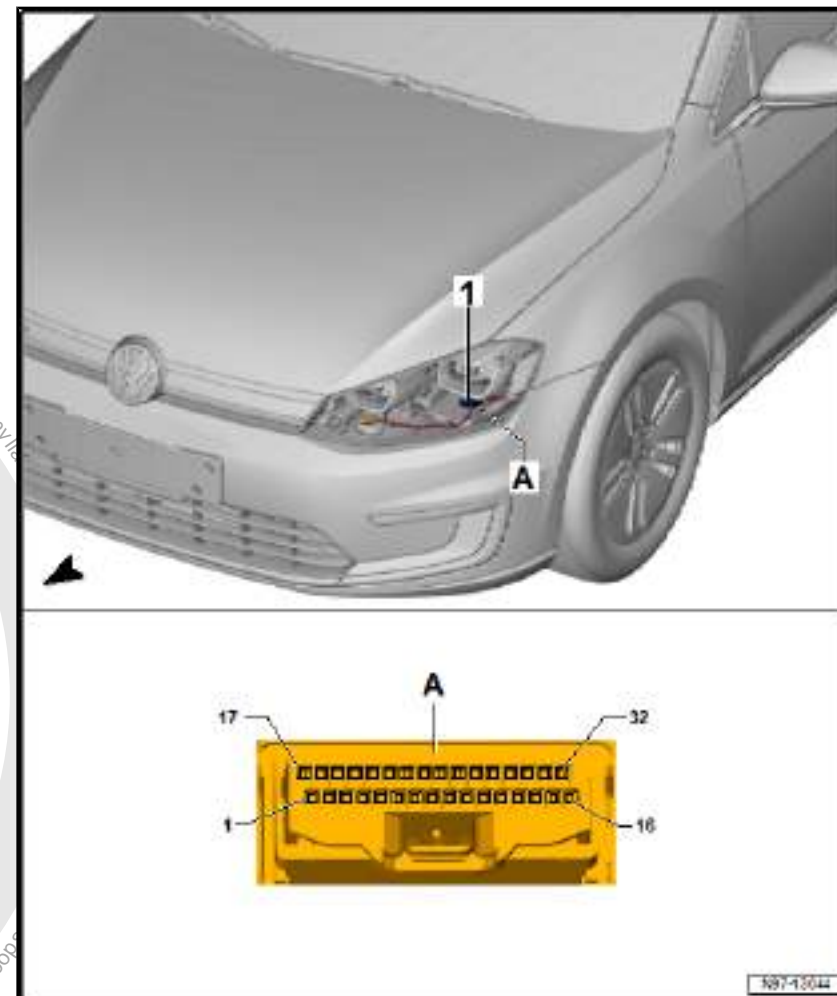


Note

Output module 1 for left LED headlight -A31- is fitted from below on front left headlight -MX1-

1 - Output module 1 for left LED headlight -A31-

A - 32-pin connector -T32g-



Connector assignment of output module 1 for left LED headlight -A31-

-T32g- (A)	Designation	-T32g- (A)	Designation
1	Front left headlight -MX1- ◆ Onboard supply connector	17	Front left headlight -MX1- ◆ Onboard supply connector
2		18	Output module for left main beam headlight -J1054-
3		19	Output module for left main beam headlight -J1054-
4		20	Output module for left main beam headlight -J1054-

-T32g- (A)	Designation		-T32g- (A)	Designation
5			21	Output module for left main beam headlight -J1054-
6	Front left headlight -MX1- ◆ Onboard supply connector		22	Front left headlight -MX1- ◆ Onboard supply connector
7	Output module for left headlight -J667-		23	Output module for left main beam headlight -J1054-
8	Output module for left main beam headlight -J1054-		24	Output module for left headlight -J667-
9			25	
10			26	
11			27	Output module for left headlight -J667-
12			28	Output module for left main beam headlight -J1054-
13			29	
14	Front left headlight -MX1- ◆ Onboard supply connector		30	Output module for left headlight -J667-
15	Front left headlight -MX1- ◆ Onboard supply connector		31	Output module for left headlight -J667-
16	Front left headlight -MX1- ◆ Onboard supply connector		32	Front left headlight -MX1- ◆ Onboard supply connector

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1.14 Front left headlight -MX1- , sales type BQ1

Fitting location:

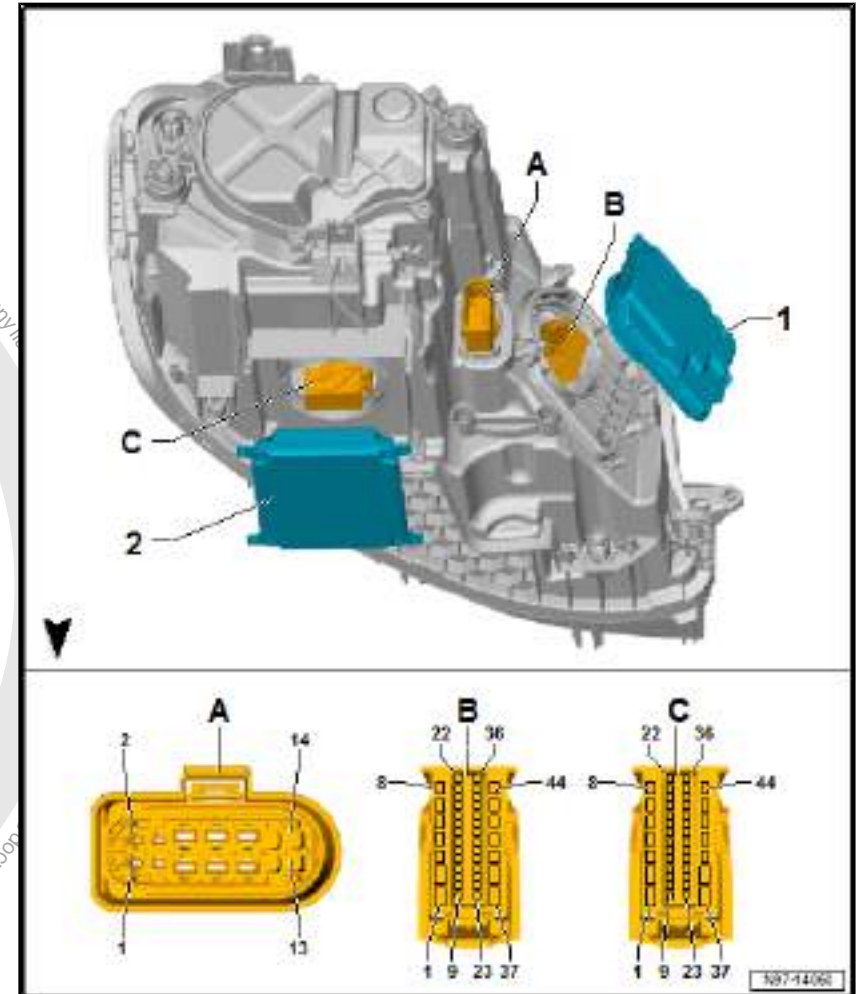
On left in engine compartment.

1 - Output module for left headlight -J667-

□ Only models with VARILIS headlights

2 - Output module 1 for left LED headlight -A31-

A - 14-pin connector -T14j-



Connector assignment of front left headlight -MX1-

-T14j- (A)	Designation
1	C67 Connection (CAN bus, high) in headlight wiring harness
2	C68 Connection (CAN bus, low) in headlight wiring harness
3	
4	Terminal 15
5	Terminal 31

-T14j- (A)	Designation
6	Onboard supply control unit -J519-
7	Terminal 31
8	Terminal 15
9	
10	
11	Onboard supply control unit -J519-
12	
13	
14	

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1.15 Axle differential lock control unit -J647-

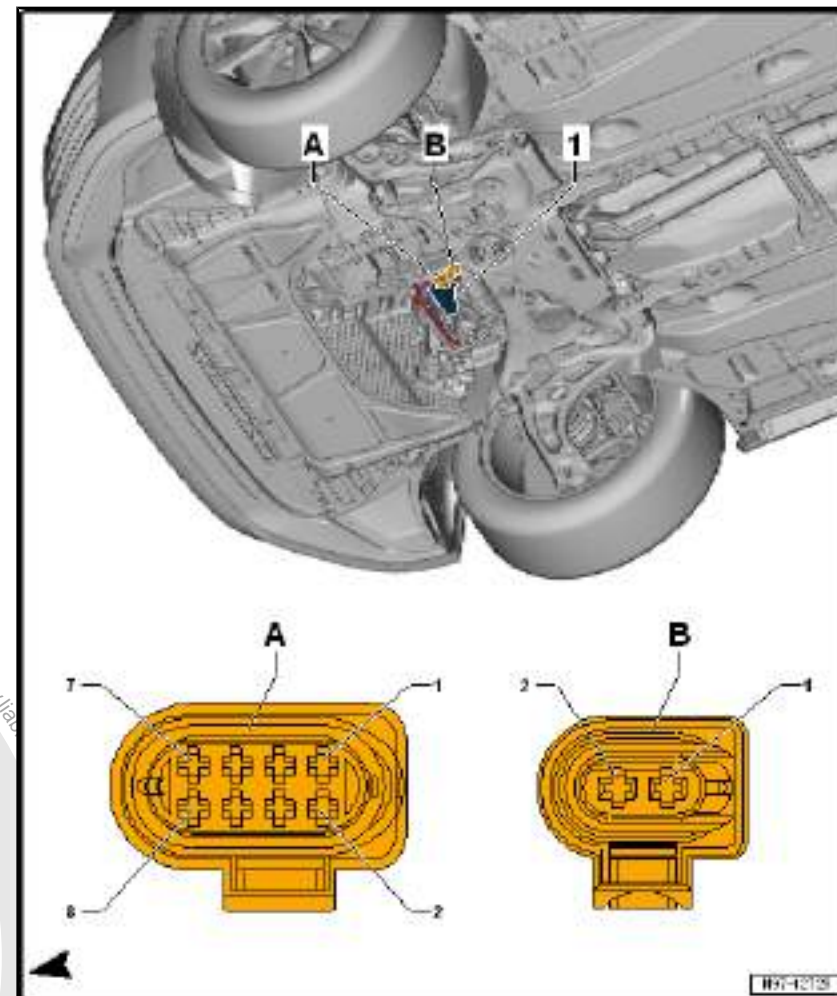
Fitting location:

On front of differential

1 - Axle differential lock control unit -J647-

A - 8-pin connector -T8-

B - 2-pin connector -T2hv-



Connector assignment of axle differential lock control unit -J647-

-T8- (A)	Designation		-T2hv- (B)	Designation
1	Terminal 15		1	Haldex coupling pump -V181- , +
2	(B676) Connection 1 (running gear/dash panel insert CAN bus, low) in main wiring harness		2	Haldex coupling pump -V181- , -
3	Terminal 30			

-T8- (A)	Designation		-T2hv- (B)	Designation
4	(B672) Connection 1 (running gear/dash panel insert CAN bus, high) in main wiring harness			
5				
6				
7	Terminal 31			
8				

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1.16 Mechatronic unit for dual clutch gearbox -J743-

1.16.1 Mechatronic unit for dual clutch gearbox -J743-

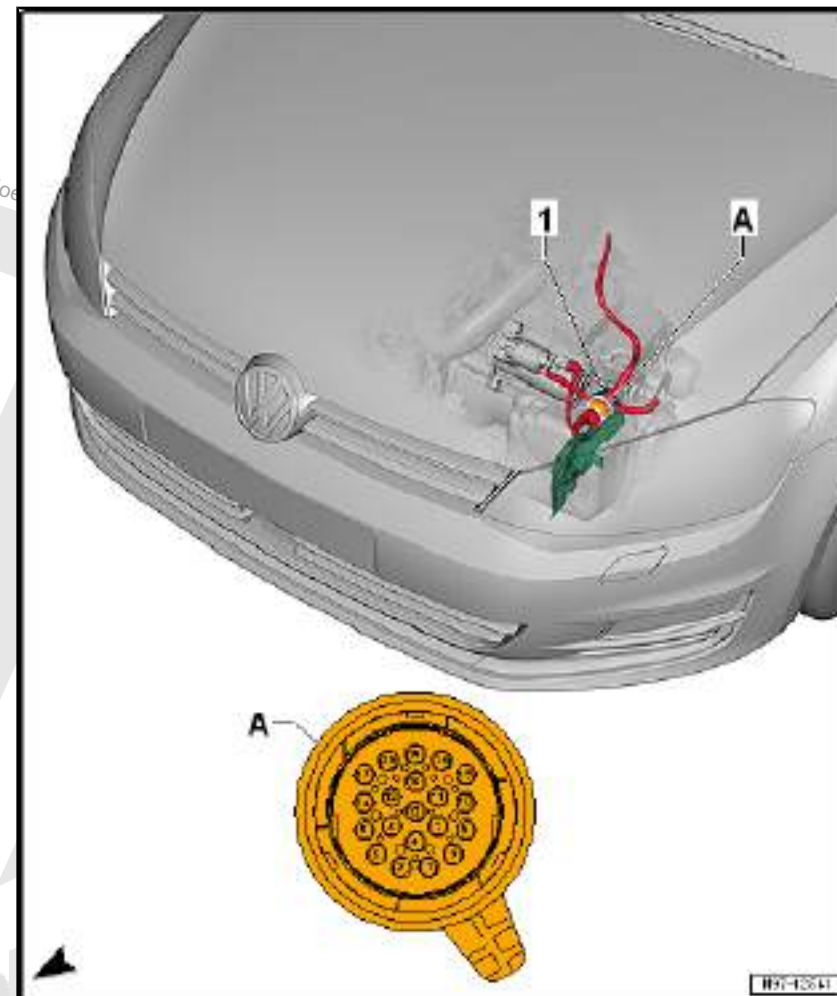
Fitting location:

on dual clutch gearbox 0D9



1 - Mechatronic unit for dual clutch gearbox -J743-

A - 20-pin connector -T20e-



Connector assignment, mechatronic unit for dual clutch gearbox -J743-

-T20e- (A)	Designation		-T20e- (A)	Designation
1			11	Terminal 30
2			12	
3			13	Terminal 15
4			14	

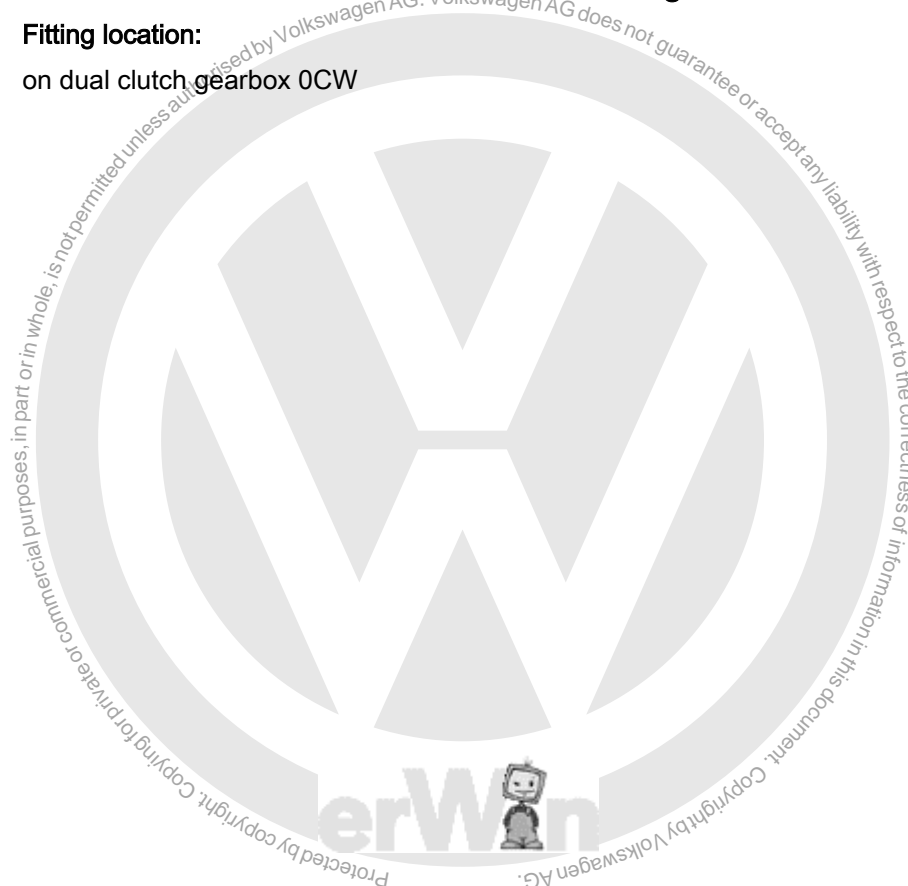
-T20e- (A)	Designation		-T20e- (A)	Designation
5			15	(B391) Connection 2 (powertrain CAN bus, low), in main wiring harness
6			16	Terminal 31
7	Speed signal		17	Starter inhibitor
8			18	Terminal 30
9			19	Terminal 31
10	(B384) Connection 2 (powertrain CAN bus, high), in main wiring harness		20	

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1.16.2 Mechatronic unit for dual clutch gearbox -J743-

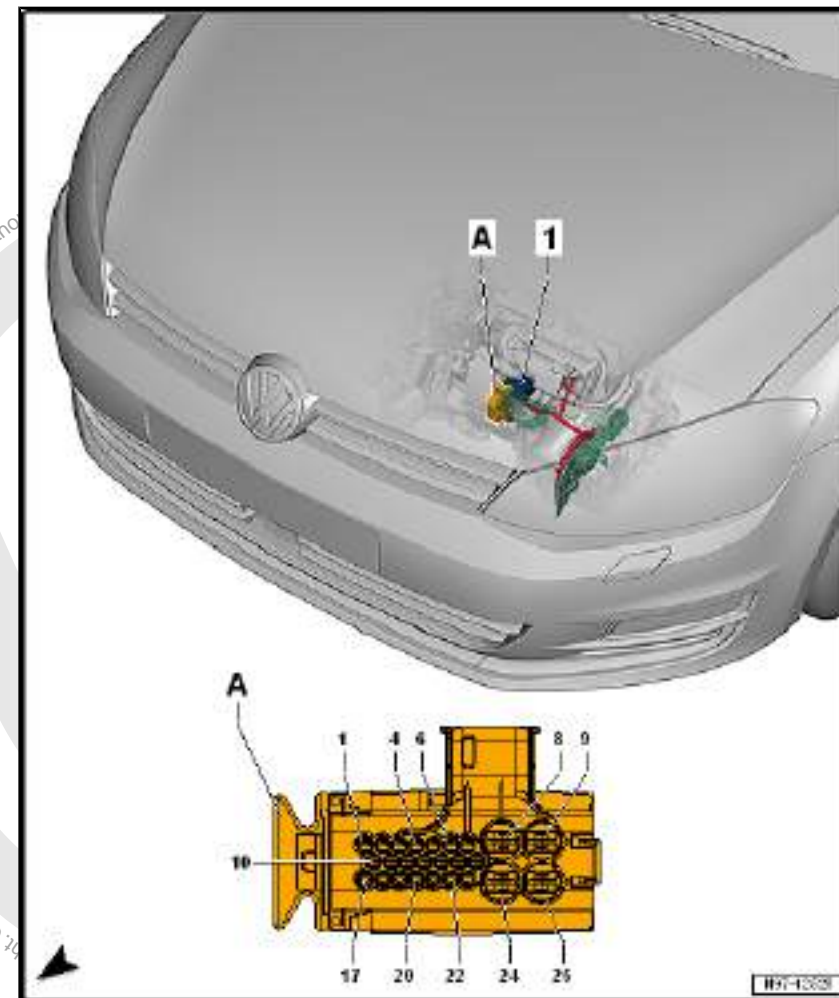
Fitting location:

on dual clutch gearbox 0CW



1 - Mechatronic unit for dual clutch gearbox -J743-

A - 25-pin connector -T25-



Connector assignment, mechatronic unit for dual clutch gearbox -J743-

-T25- (A)	Designation		-T25- (A)	Designation
1			14	
2			15	
3			16	Starter inhibitor
4			17	
5			18	

-T25- (A)	Designation		-T25- (A)	Designation
6			19	
7			20	
8	Terminal 31		21	
9	Terminal 30		22	
10	Terminal 15		23	
11			24	Terminal 31
12	B391 Connection 2 (powertrain CAN bus, low), in main wiring harness		25	Terminal 30
13	B384 Connection 2 (powertrain CAN bus, high), in main wiring harness			

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1.16.3 Mechatronic unit for dual clutch gearbox -J743-

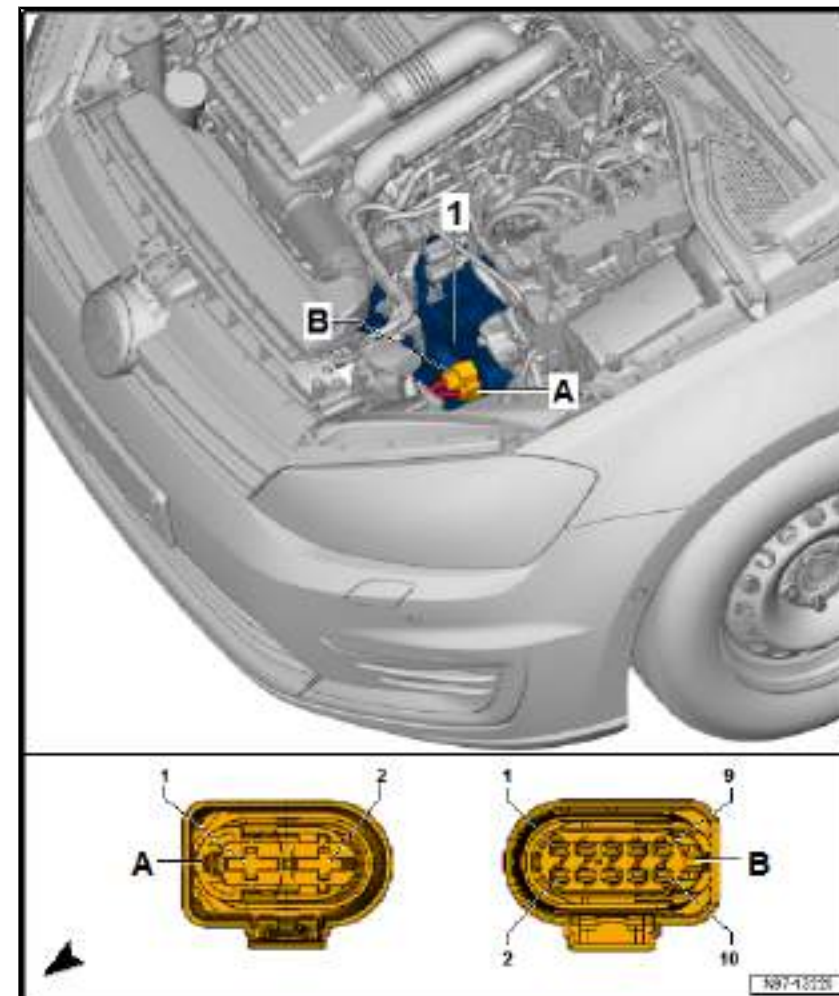
Fitting location:

on dual clutch gearbox 0DD

1 - Mechatronic unit for dual clutch gearbox -J743-

A - 2-pin connector -T2ia-

B - 10-pin connector -T10ak-



Connector assignment, mechatronic unit for dual clutch gearbox -J743-

-T2ia- (A)	Designation	-T10ak- (B)	Designation
1	Terminal 30	1	Engine control unit -J623-
2	Terminal 31	2	
		3	Terminal 15
		4	(x4) Connection 1 (hybrid CAN bus, high) in engine compartment wiring harness

-T2ia- (A)	Designation		-T10ak- (B)	Designation
			5	Engine control unit -J623-
			6	(x5) Connection 1 (hybrid CAN bus, low) in engine compartment wiring harness
			7	
			8	(B384) Connection 2 (powertrain CAN bus, high), in main wiring harness
			9	
			10	(B391) Connection 2 (powertrain CAN bus, low), in main wiring harness

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1.16.4 Mechatronic unit for dual clutch gearbox -J743-



Note

The illustration does not correspond with the selected vehicle, but the fitting location is the same.

Fitting location:

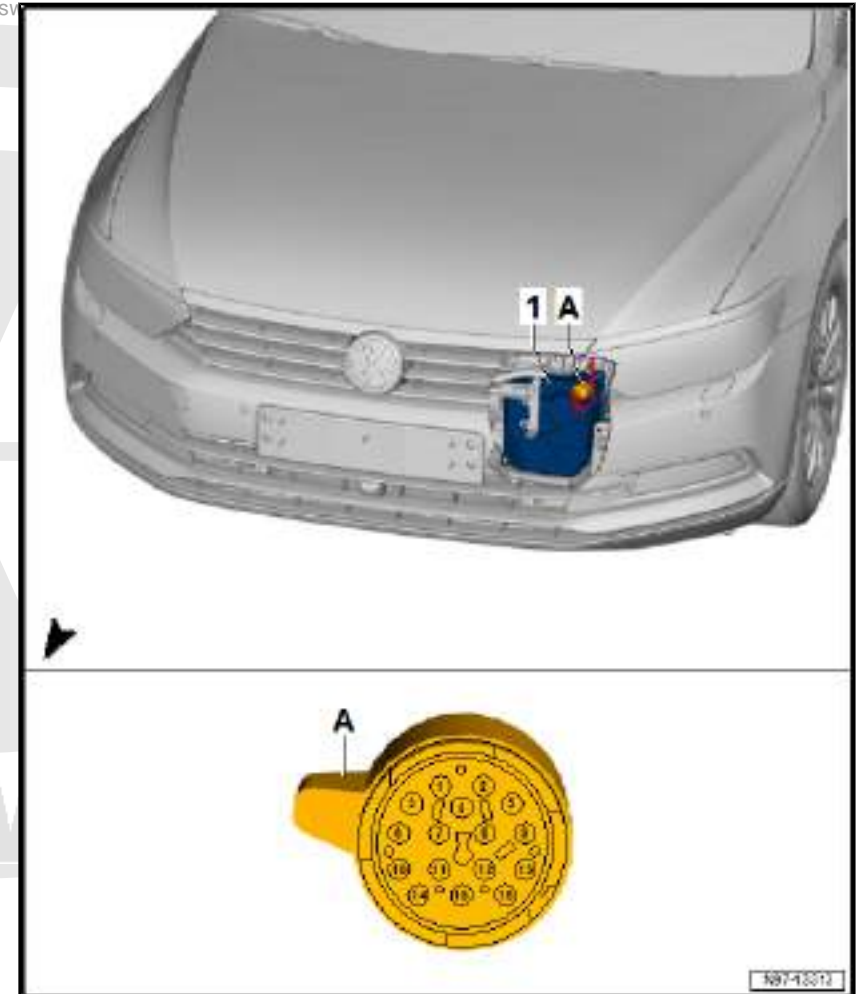
on dual clutch gearbox 0GC.



1 - Mechatronic unit for dual clutch gearbox -J743-



A - 16-pin connector -T16ac-

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Connector assignment, mechatronic unit for dual clutch gearbox -J743-

-T16ac-(A)	Designation	-T16ac-(A)	
1		9	Terminal 30
2	Engine control unit -J623-	10	
3		11	
4	Engine control unit -J623-	12	

-T16ac-(A)	Designation	-T16ac-(A)	
5		13	
6	 Connection 2 (powertrain CAN bus, high), in main wiring	14	
7	 Connection 2 (powertrain CAN bus, low), in main wiring	15	Terminal 15
8		16	Terminal 31

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1.17 Radiator fan -VX57-

Fitting location:

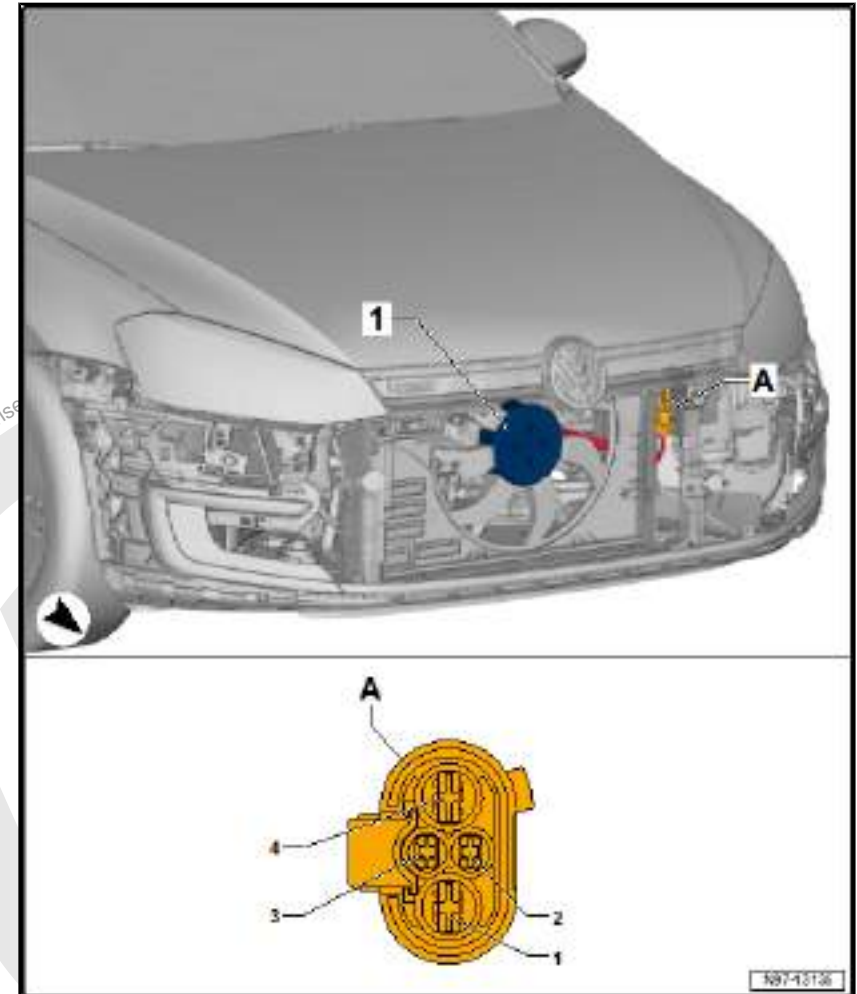
On radiator.



1 - Radiator fan -VX57-

☐ Component is pre-wired

A - 4-pin connector -T4cx-



Connector assignment of radiator fan -VX57-

-T4cx(A)	Designation
1	Terminal 30
2	Terminal 87
3	Engine control unit -J623- ◆ Fan level

-T4cx(A)	Designation
4	Terminal 31

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1.18 Adaptive cruise control unit -J428-

1.18.1 Adaptive cruise control unit -J428- , from August 2012

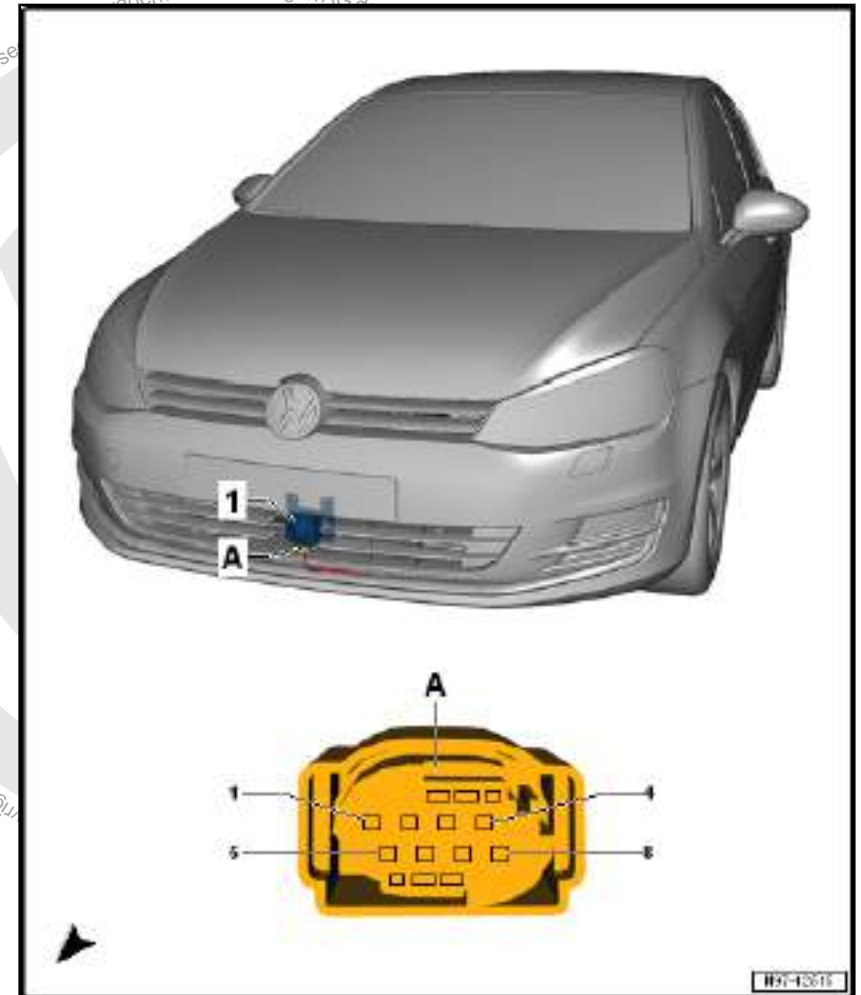
Fitting location:

Near front bumper.



1 - Adaptive cruise control unit -J428-

A - 8-pin connector -T8ay-



Connector assignment of adaptive cruise control unit -J428-

-T8ay- (A)	Designation
1	Terminal 31
2	(B108) Connection 1 (CAN bus extended, high), in main wiring harness
3	(B109) Connection 1 (CAN bus extended, low) in main wiring harness

-T8ay- (A)	Designation
4	
5	Front camera for driver assist systems -R242- , CAN high
6	Front camera for driver assist systems -R242- , CAN low
7	
8	Terminal 15

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1.18.2 Adaptive cruise control unit -J428- , from November 2016

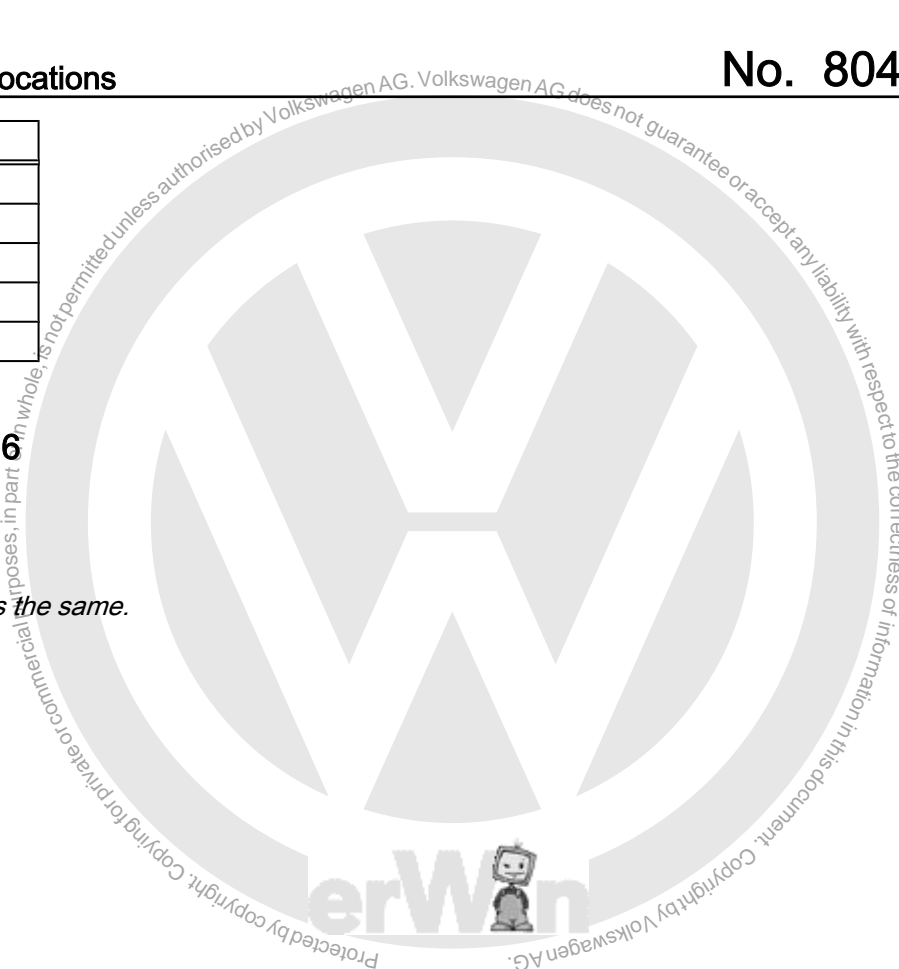


Note

The illustration does not correspond with the selected vehicle, but the fitting location is the same.

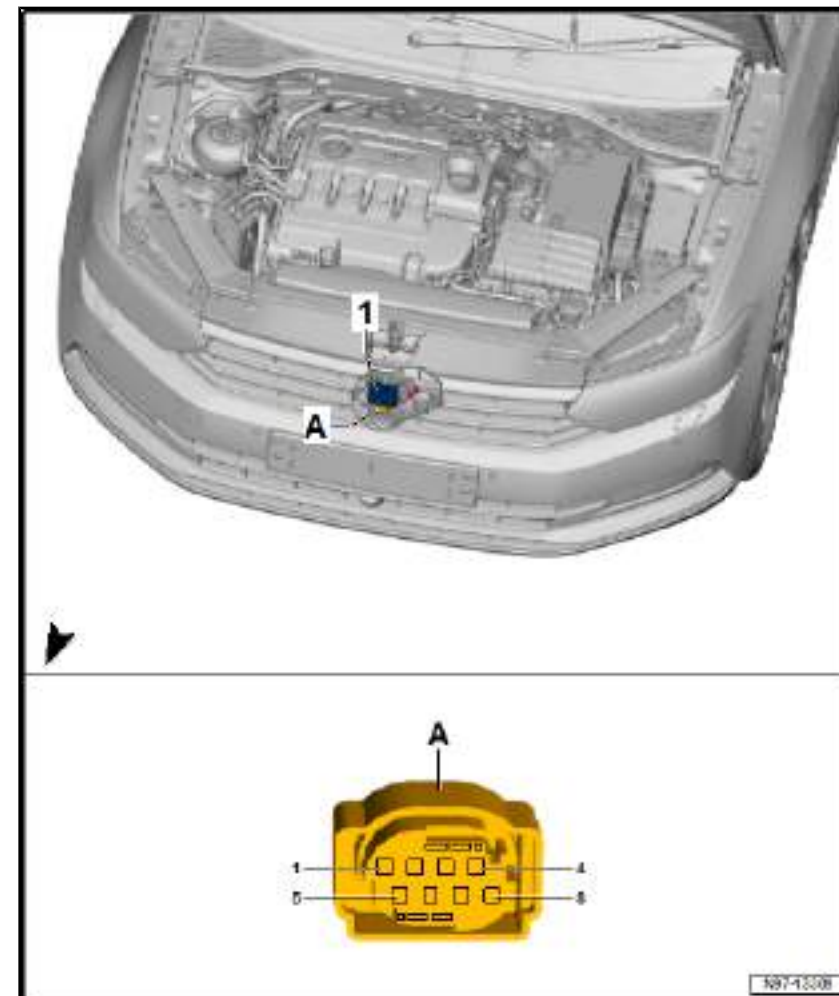
Fitting location:

Near front bumper.



1 - Adaptive cruise control unit -J428-

A - 8-pin connector -T8ay-



Connector assignment of adaptive cruise control unit -J428-

-T8ay- (A)	Designation
1	Terminal 31
2	(B108) Connection 1 (CAN bus extended, high), in main wiring harness
3	(B109) Connection 1 (CAN bus extended, low) in main wiring harness

-T8ay- (A)	Designation
4	
5	Front camera for driver assist systems -R242- , CAN high
6	Front camera for driver assist systems -R242- , CAN low
7	
8	Terminal 15

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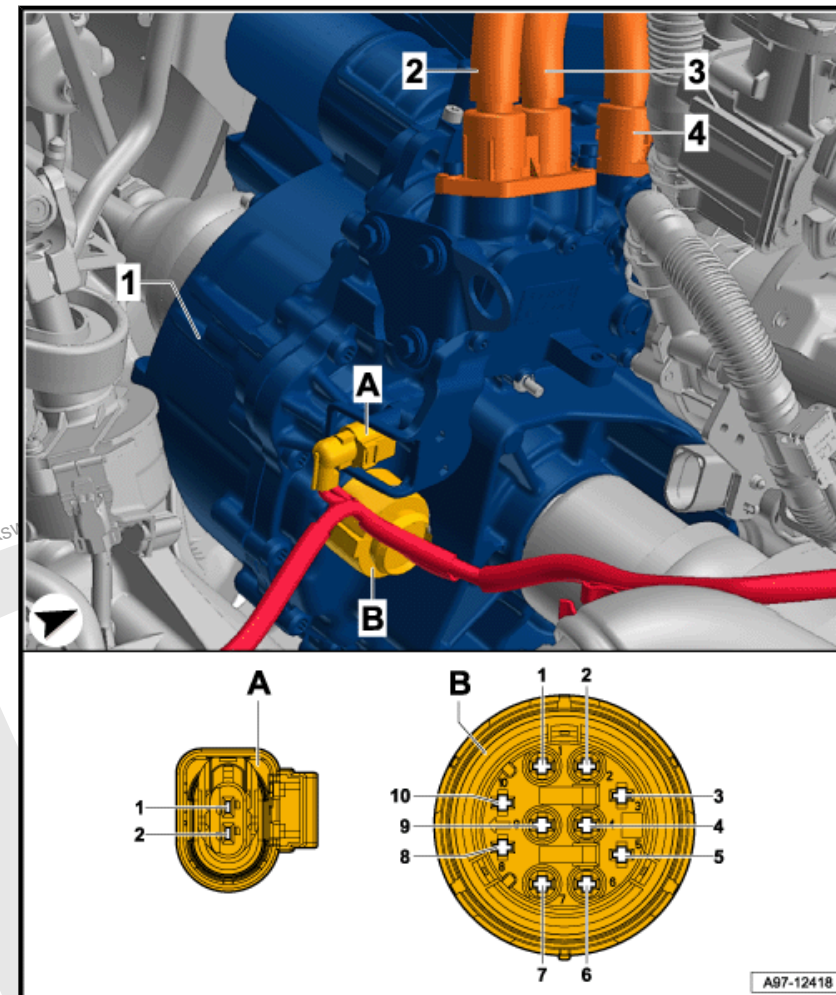
1.19 Three-phase current drive -VX54-

Fitting location:

in the engine compartment.



- 1 - Three-phase current drive -VX54-
- 2 - High-voltage wire 3 for drive motor -P6-
- 3 - High-voltage wire 2 for drive motor -P5-
- 4 - High-voltage wire 1 for drive motor -P4-
- A - 2-pin connector -T2kp-
- B - 10-pin connector -T10c-



Connector assignment of three-phase current drive -VX54-

-T2kp- (A)	Designation		-T10c- (B)	Designation
1	Pilot line		1	Power and control electronics for electric drive -JX1-
2	Pilot line		2	Power and control electronics for electric drive -JX1-
			3	Power and control electronics for electric drive -JX1-
			4	Power and control electronics for electric drive -JX1-
			5	Power and control electronics for electric drive -JX1-

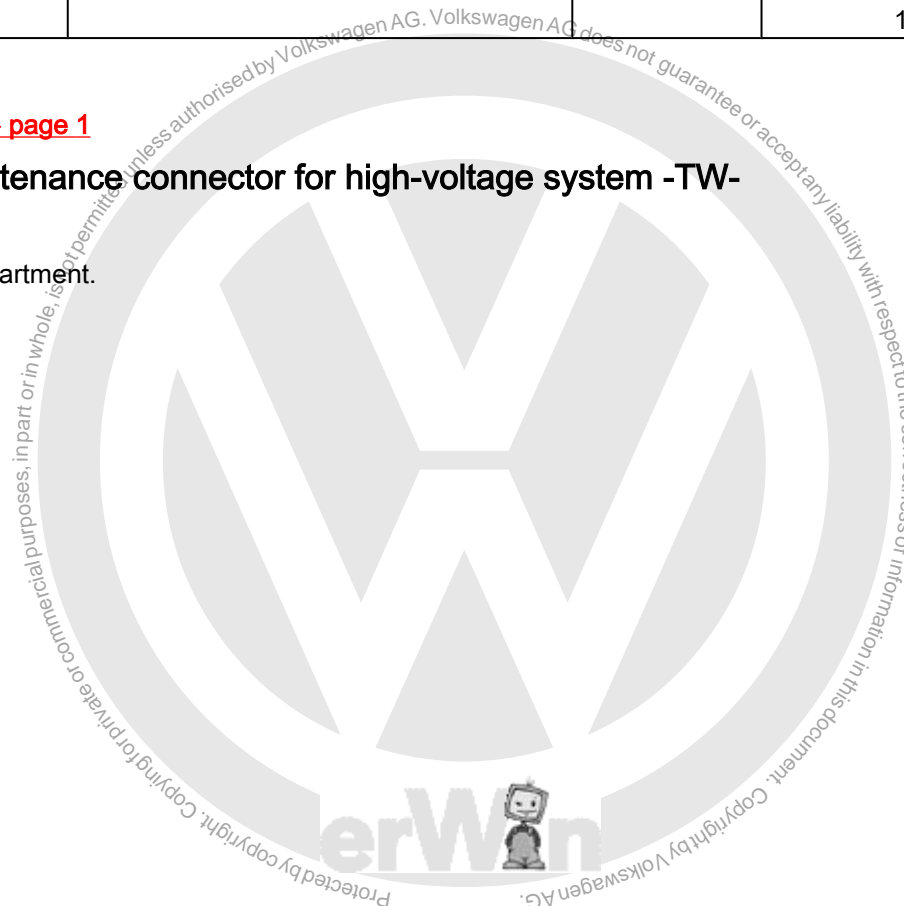
-T2kp- (A)	Designation		-T10c- (B)	Designation
			6	Power and control electronics for electric drive -JX1-
			7	Power and control electronics for electric drive -JX1-
			8	Power and control electronics for electric drive -JX1-
			9	
			10	

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1.20 Maintenance connector for high-voltage system -TW-

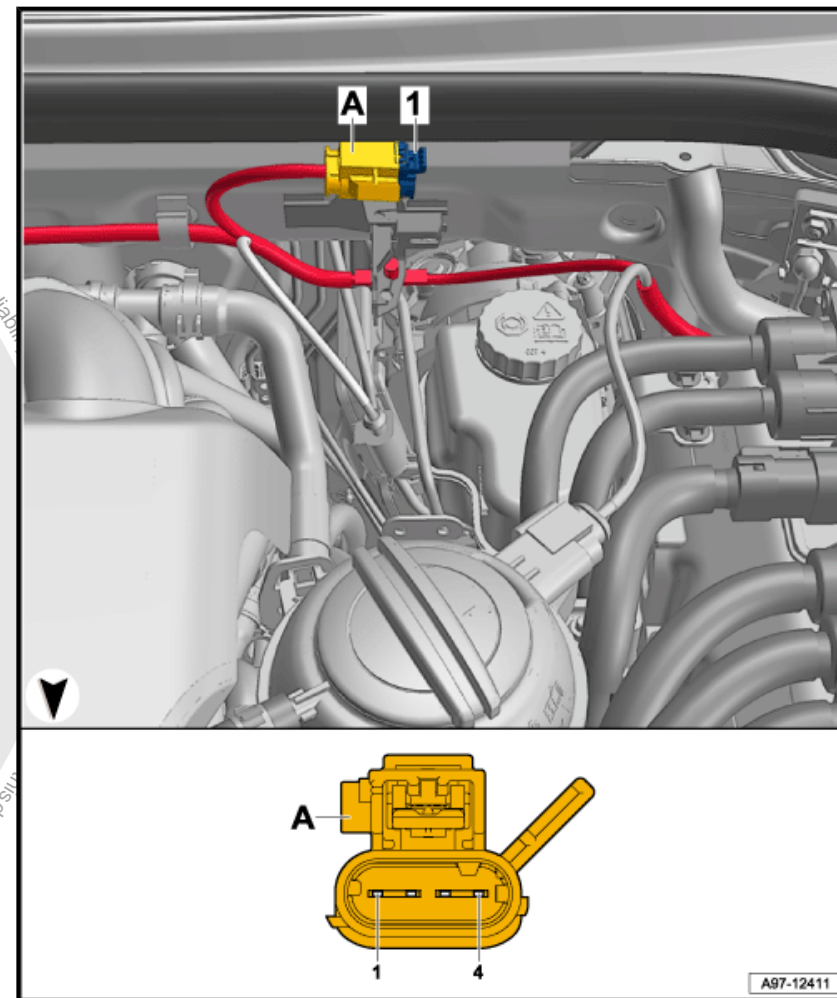
Fitting location:

in the engine compartment.



1 - Maintenance connector for high-voltage system -TW-

A - 4-pin connector



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1.21 High voltage heater (PTC) control unit -J848-

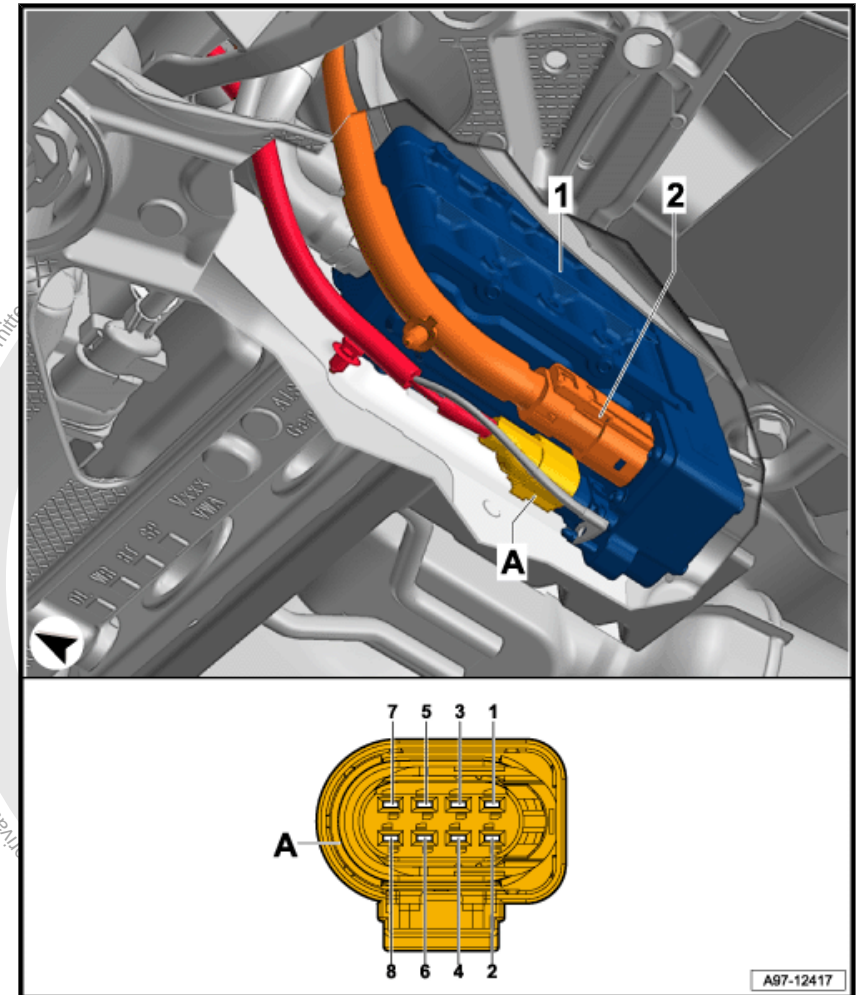
Fitting location:

At centre tunnel, close to catalytic converter

1 - High voltage heater (PTC) control unit -J848-

2 - High-voltage wire for high-voltage heater (PTC) -P11-

A - 8-pin connector -T8z-



Connector assignment of high-voltage heater (PTC) control unit -J848-

-T8z (A)	Designation
1	Air conditioning system relay -J32- ♦ Terminal 87
2	Terminal 31
3	
4	LIN bus
5	High-voltage battery 1 -AX2- ♦ Pilot line
6	
7	Three-phase current drive -VX54- ♦ Pilot line
8	

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1.22 Brake servo -NX6-

Fitting location:

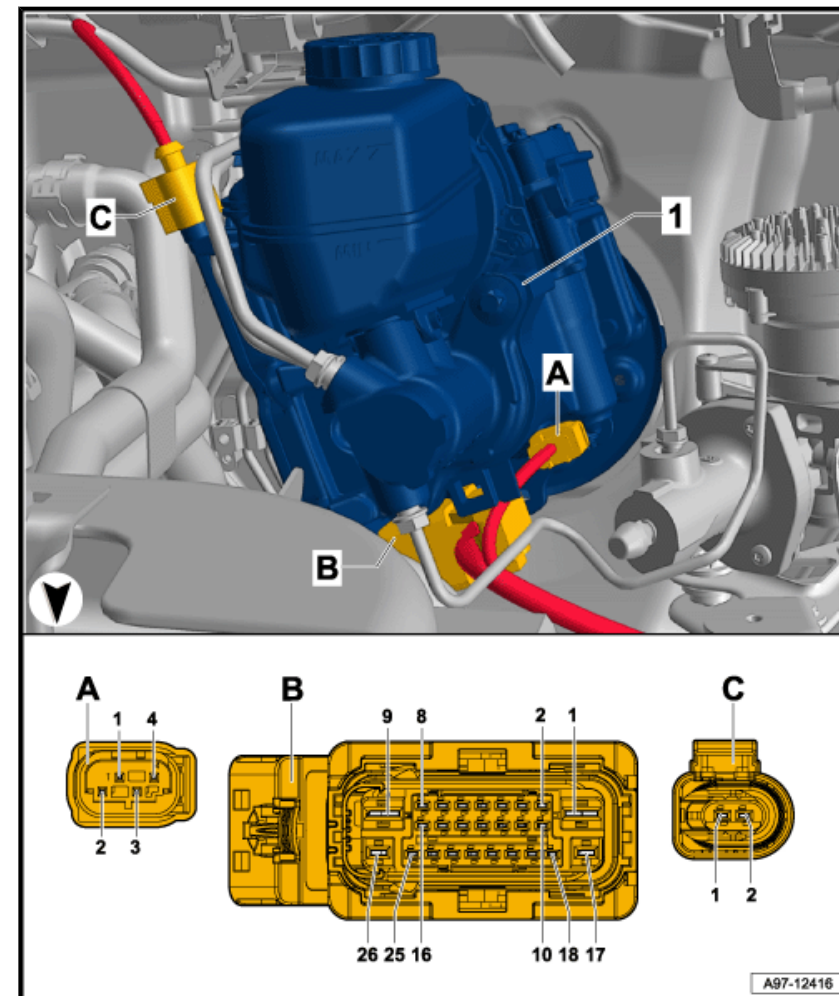
Close to bulkhead

1 - Brake servo -NX6-

A - 4-pin connector -T4eu-





B - 26-pin connector -T26f-

C - 2-pin connector -T2iq-



Connector assignment of brake servo -NX6-

-T4eu- (A)	Designation	-T26f- (B)	Designation	-T2jq- (C)	Designation
1	Brake servo -NX6-	1	Terminal 30	1	Terminal 31
2	Brake servo -NX6-	2	Brake pedal position sender -G100-	2	Onboard supply control unit -J519-
3	Brake servo -NX6-	3			
4	Brake servo -NX6-	4			

-T4eu- (A)	Designation	-T26f- (B)	Designation	-T2jq- (C)	Designation
		5			
		6			
		7			
		8	Brake pedal position sender 2 -G836-		
		9	Terminal 31		
		10	 Connection 1 (CAN bus, low) in engine compartment wiring harness		
		11			
		12			
		13			
		14			
		15			
		16	 Connection 2 (powertrain CAN bus, low), in main wiring harness		
		17	Terminal 30		
		18	 Connection 1 (CAN bus, high) in engine compartment wiring harness		
		19			
		20	Terminal 15		
		21			
		22	Brake pedal position sender -G100-		
		23	Brake pedal position sender 2 -G836-		
		24	Terminal 54		
		25	 Connection 2 (powertrain CAN bus, high), in main wiring harness		
		26			

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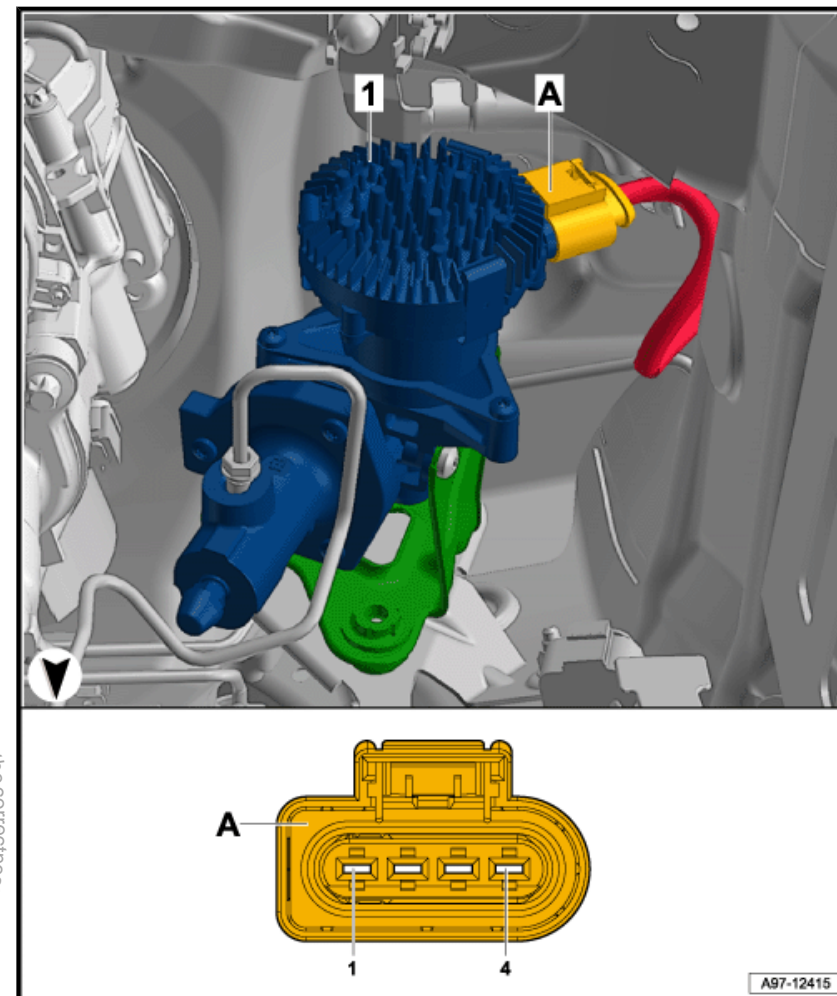
1.23 Brake system pressure accumulator -VX70-

Fitting location:

On left in engine compartment.

1 - Brake system pressure accumulator -VX70-

A - 4-pin connector -T4et-



Connector assignment of brake system pressure accumulator -VX70-

-T4et (A)	Designation
1	Terminal 30
2	(A246) Connection 1 (CAN bus, high) in engine compartment wiring harness
3	(A247) Connection 1 (CAN bus, low) in engine compartment wiring harness

-T4et (A)	Designation
4	Terminal 31

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1.24 Power and control electronics for electric drive -JX1-

Fitting location:

On left in engine compartment.

1 - Power and control electronics for electric drive -JX1-

- ☐ Electric drive control unit -J841- integrated into power and control electronics for electric drive -JX1-
- ☐ High-voltage system fuse 3 -S353- integrated into power and control electronics for electric drive -JX1-

2 - High-voltage wire for hybrid battery, negative terminal -P2-

3 - High-voltage wire for hybrid battery, positive terminal -P1-

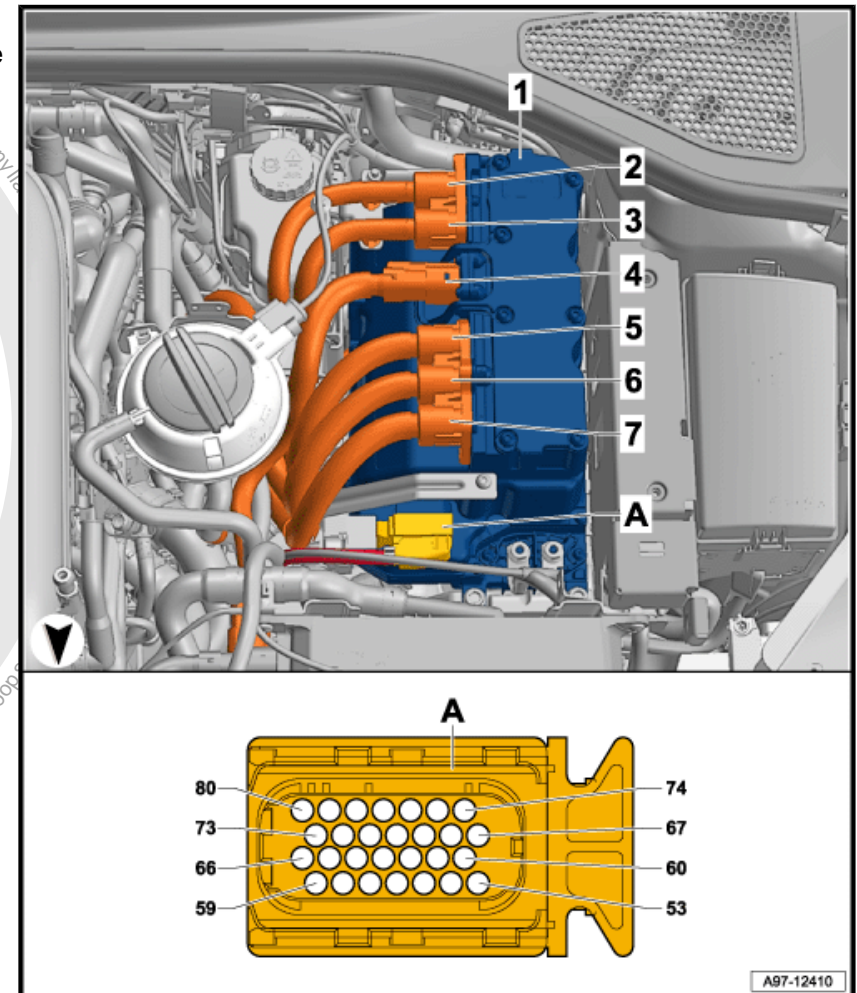
4 - High-voltage wire for charging unit 1/wiring junction -P12-

5 - High-voltage wire 3 for drive motor -P6-

6 - High-voltage wire 2 for drive motor -P5-

7 - High-voltage wire 1 for drive motor -P4-

A - 28-pin connector -T28b-



Connector assignment of power and control electronics for electric drive -JX1-

-T28b- (A)	Designation	-T28b- (A)	Designation
1 (53)	x5 Connection 1 (hybrid CAN bus, low) in engine compartment wiring harness	15 (67)	
2 (54)	x4 Connection 1 (hybrid CAN bus, high) in engine compartment wiring harness	16 (68)	
3 (55)	Terminal 30	17 (69)	
4 (56)	Terminal 15	18 (70)	
5 (57)	Three-phase current drive -VX54-	19 (71)	
6 (58)		20 (72)	
7 (59)	Three-phase current drive -VX54-	21 (73)	
8 (60)	B391 Connection 2 (powertrain CAN bus, low), in main wiring harness	22 (74)	Three-phase current drive -VX54-
9 (61)	B384 Connection 2 (powertrain CAN bus, high), in main wiring harness	23 (75)	Three-phase current drive -VX54-
10 (62)		24 (76)	
11 (63)		25 (77)	Charging unit 1 for high-voltage battery -AX4- ♦ Pilot line
12 (64)	Three-phase current drive -VX54-	26 (78)	
13 (65)	Three-phase current drive -VX54-	27 (79)	
14 (66)	Three-phase current drive -VX54-	28 (80)	Three-phase current drive -VX54- ♦ Pilot line

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1.25 Charging unit 1 for high-voltage battery -AX4-

Fitting location:

On left in engine compartment.

1 - Charging unit 1 for high-voltage battery -AX4-

- ❑ Charge voltage control unit for high-voltage battery -J966- integrated into charging unit 1 for high-voltage battery -AX4-
- ❑ Control unit for high-voltage battery charging unit -J1050- integrated into charging unit 1 for high-voltage battery -AX4-

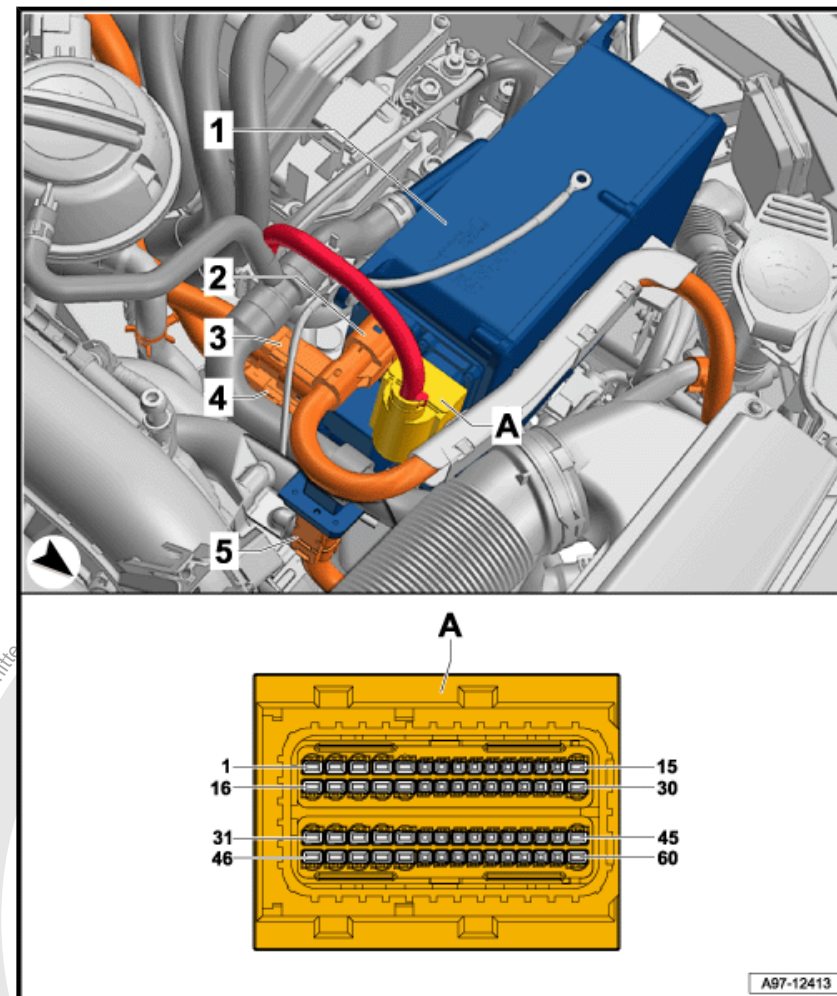
2 - High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket -P18-

3 - High-voltage wire for charging unit 1/wiring junction -P12-

4 - High-voltage wire for high-voltage heater (PTC) -P11-





5 - High-voltage wire for electrical air conditioner compressor -P3-

A - 60-pin connector -T60a-



Connector assignment of charging unit 1 for high-voltage battery -AX4-

-T60a- (A)	Designation	-T60a- (A)	Designation
1	Terminal 30	31	Actuator for high-voltage charging flap lock 1 -F496- Module for battery charge selector buttons -EX32-
2		32	Actuator for high-voltage charging flap lock 1 -F496-
3		33	Actuator for high-voltage charging flap lock 1 -F496-
4	Module for battery charge selector buttons -EX32-	34	Actuator for high-voltage charging flap lock 1 -F496-

-T60a- (A)	Designation		-T60a- (A)	Designation
5	Module for battery charge selector buttons -EX32-		35	
6			36	
7			37	
8			38	
9	 Connection 2 (powertrain CAN bus, high), in main wiring harness		39	
10	 Connection 2 (powertrain CAN bus, low), in main wiring harness		40	
11	 Connection 1 (hybrid CAN bus, high) in engine compartment wiring harness		41	
12	 Connection 1 (hybrid CAN bus, low) in engine compartment wiring harness		42	
13	Power and control electronics for electric drive -JX1- ◆ Pilot line		43	
14			44	
15	Maintenance connector for high-voltage system -TW- ◆ Pilot line		45	
16	Actuator for high-voltage charging socket lock 1 -F498-		46	
17	Actuator for high-voltage charging socket lock 1 -F498-		47	
18	Actuator for high-voltage charging socket lock 1 -F498-		48	
19	Actuator for high-voltage charging socket lock 1 -F498-		49	
20			50	
21	Module for battery charge selector buttons -EX32-		51	
22	Module for battery charge selector buttons -EX32-		52	
23	High-voltage battery charging socket 1 -UX4-		53	
24	High-voltage battery charging socket 1 -UX4-		54	
25	Module for battery charge selector buttons -EX32-		55	
26			56	
27	Temperature sender for charging socket 1 -G853-		57	
28	Temperature sender for charging socket 1 -G853-		58	
29			59	
30			60	Terminal 30

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1.26 High-voltage battery charging socket 1 -UX4-



Note

The illustration does not correspond with the selected vehicle, but the fitting location is the same.

Fitting location:

in front bumper.

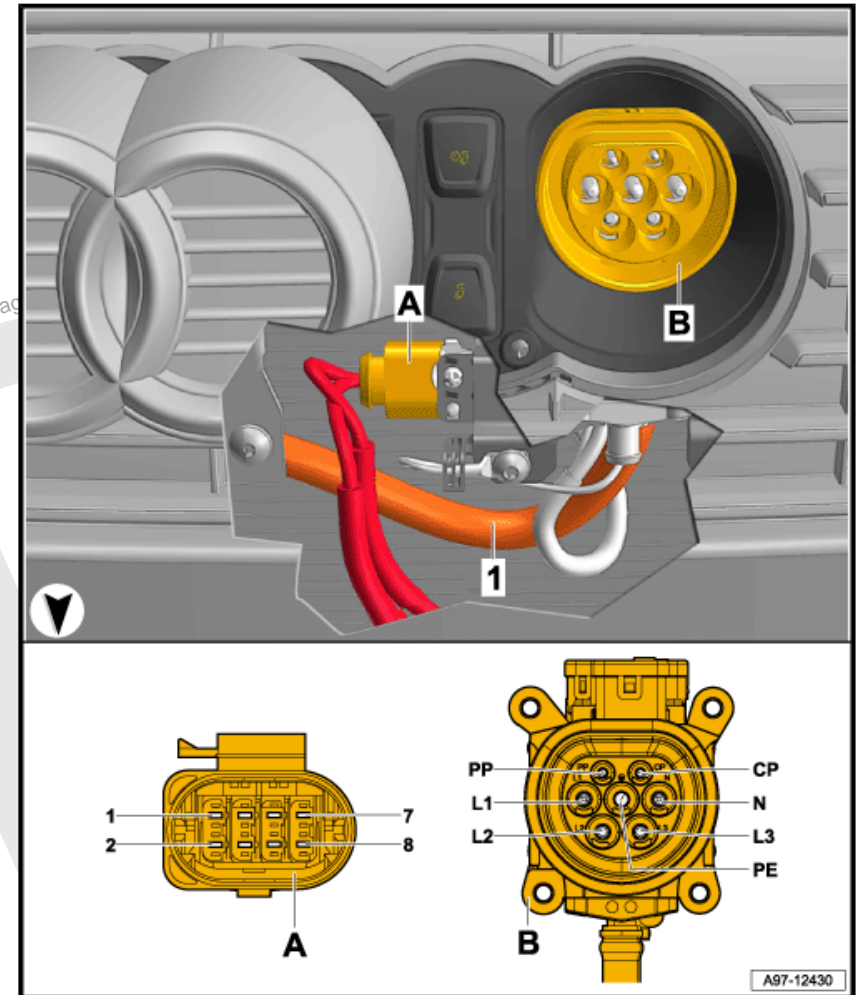


1 - High-voltage wire for charging socket

A - 8-pin connector -T8bv-

□ Module for battery charge selector buttons -EX32-

B - High-voltage battery charging socket 1 -UX4-



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1.27 Control unit for air conditioner compressor -J842-

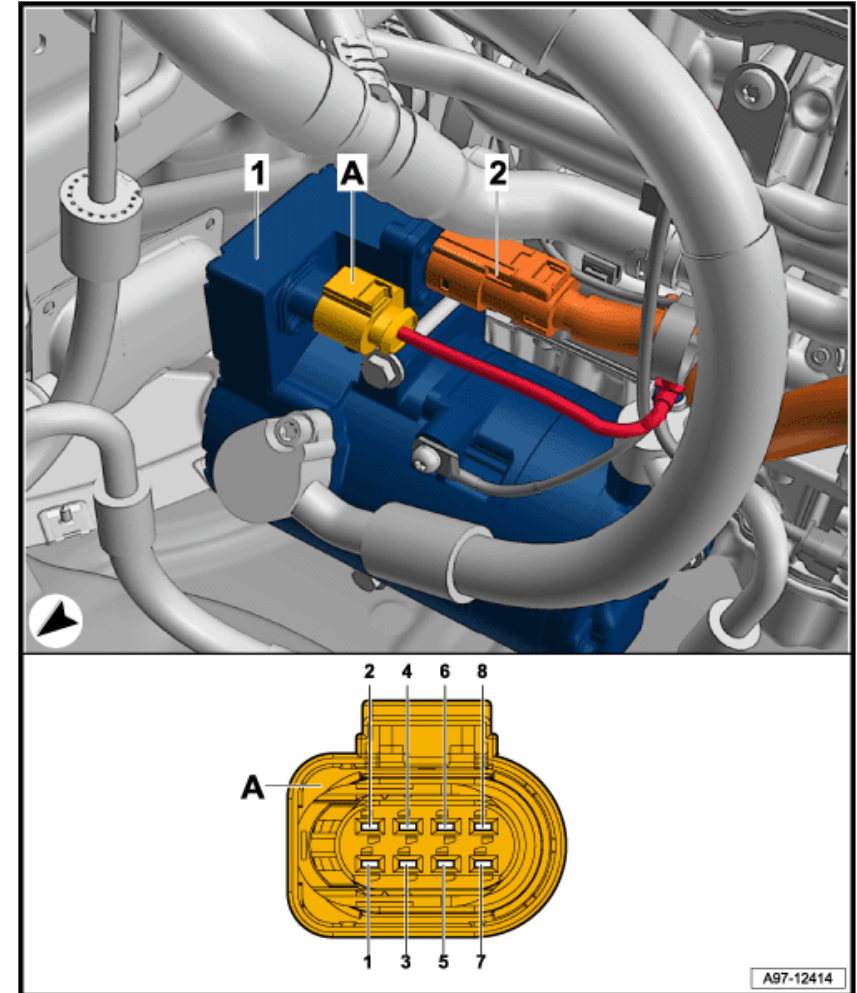
Fitting location:

in engine compartment, right.

1 - Control unit for air conditioner compressor -J842-

2 - High-voltage wire for electrical air conditioner compressor -P3-

A - 8-pin connector -T8v-



Connector assignment of control unit for air conditioning compressor -J842-

-T8v(A)	Designation
1	
2	LIN bus
3	
4	
5	Terminal 37
6	
7	
8	Air conditioning system relay -J32- ♦ Terminal 87

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1 Control units in middle part of vehicle

1.1 Overview of control units

1 - Fresh air blower control unit -J126-

- ☐ Fitting location ⇒ [page 4](#)

2 - Control unit 1 for information electronics -J794-

- ☐ Fitting location ⇒ [page 5](#)

3 - Chip card reader -D8-

- ☐ Fitting location ⇒ [page 9](#)

4 - Front passenger door control unit -J387-

- ☐ Fitting location ⇒ [page 11](#)

5 - Display unit for front information display and operating unit control unit -J685-

- ☐ Fitting location ⇒ [page 14](#)

6 - Air conditioning system control unit -J301- / heater control unit -J65-

- ☐ Fitting location ⇒ [page 18](#)

7 - Climatronic control unit -J255-

- ☐ Fitting location ⇒ [page 20](#)

Engine sound generator control unit -J943-

- ☐ Fitting location ⇒ [page 23](#)

8 - Front camera for driver assist systems -R242-

- ☐ Fitting location ⇒ [page 25](#)

9 - Main beam assist control unit -J844-

- ☐ Fitting location ⇒ [page 27](#)

10 - Display unit for front information display and operating unit control unit -J685-

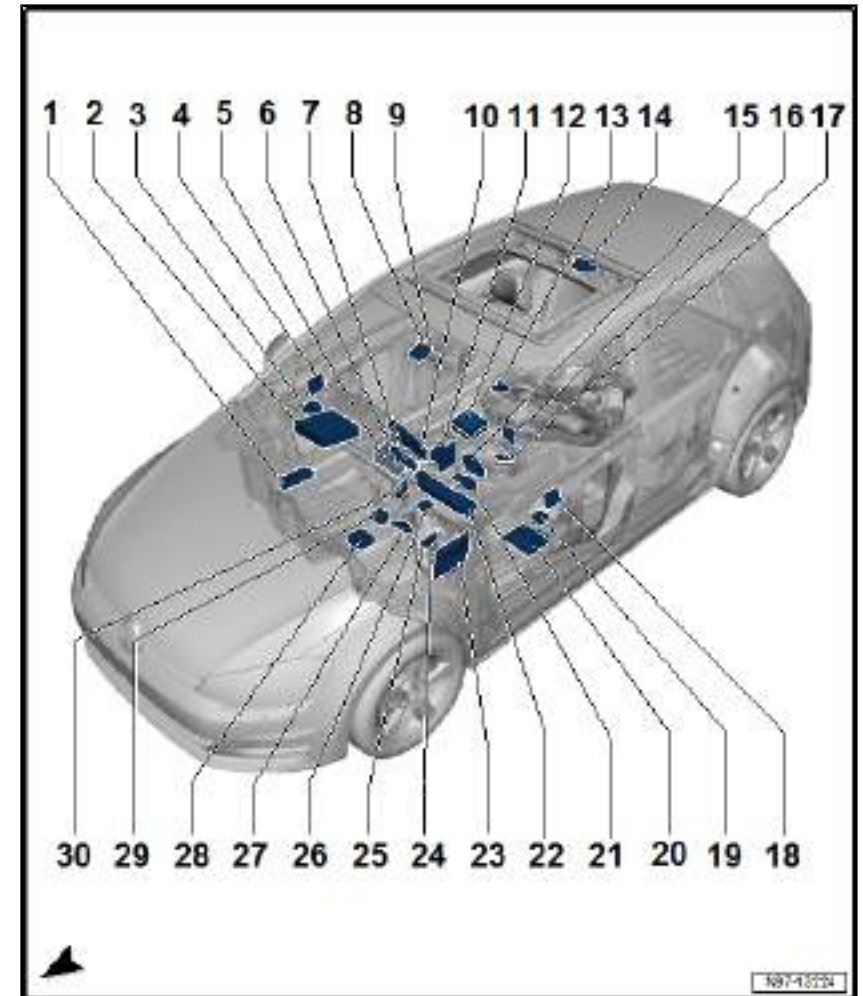
- ☐ Fitting location ⇒ [page 17](#)

11 - Selector lever -E313-

- ☐ Fitting location ⇒ [page 29](#)

12 - TV tuner -RX6-

- ☐ Fitting location ⇒ [page 31](#)



Control unit for navigation system -J856-

- ☐ Fitting location ⇒ [page 41](#)

Special vehicle control unit -J608-



Note

Only for special vehicles

- ☐ Fitting location ⇒ [page 33](#)

13 - Fuel pump control unit -J538-

- ☐ Fitting locations, models with a petrol engine ⇒ [page 35](#)
- ☐ Fitting locations, models with a diesel engine ⇒ [page 36](#)
- ☐ Fitting location for models with hybrid drive system ⇒ [page 38](#)

14 - Sliding sunroof adjustment control unit -J245-

- ☐ Fitting location ⇒ [page 39](#)

15 - Steering column electronics control unit -J527-

- ☐ Fitting location ⇒ [page 43](#)

16 - Storage compartment with interface for mobile telephone -R265-

- ☐ Fitting location ⇒ [page 45](#)

17 - Multifunction steering wheel control unit -J453-

- ☐ Fitting location ⇒ [page 47](#)

18 - Driver door control unit -J386-

- ☐ Fitting location ⇒ [page 49](#)

19 - Massage control unit -J740-

- ☐ Fitting location ⇒ [page 52](#)

Driver seat adjustment control unit -J810-

- ☐ Fitting location left-hand drive ⇒ [page 54](#)
- ☐ Fitting location right-hand drive ⇒ [page 58](#)

20 - Digital sound package control unit -J525-

- ☐ Fitting location ⇒ [page 61](#)

21 - Control unit for electronic steering column lock -J764-

- ☐ Fitting location ⇒ [page 63](#)



22 - Control unit in dash panel insert -J285-

- ☐ Fitting location ⇒ [page 65](#)

23 - Onboard supply control unit -J519-

- ☐ Fitting location ⇒ [page 67](#)

24 - Park assist steering control unit -J791-

- ☐ Fitting location ⇒ [page 72](#)

25 - Parking aid control unit -J446-

- ☐ Fitting location ⇒ [page 72](#)

26 - Emergency call module control unit and communication unit -J949-

- ☐ Fitting location ⇒ [page 75](#)

27 - Data bus diagnostic interface -J533-

- ☐ Fitting location ⇒ [page 77](#)

28 - Airbag control unit -J234-

- ☐ Fitting location ⇒ [page 79](#)

29 - Control unit for cornering light and headlight range control -J745-

- ☐ Fitting location with 26-pin connector -T26- ⇒ [page 81](#)
- ☐ Fitting location with 20-pin connector -T20- ⇒ [page 84](#)
- ☐ Connector assignment with 26-pin connector -T26- ⇒ [page 82](#)
- ☐ Connector assignment with 26-pin connector -T26- for vehicles with LED headlights ⇒ [page 83](#)
- ☐ Connector assignment with 20-pin connector -T20- ⇒ [page 85](#)

30 - Interface for entry and start system -J965-

- ☐ Fitting location ⇒ [page 85](#)

1.2 Fresh air blower control unit -J126-

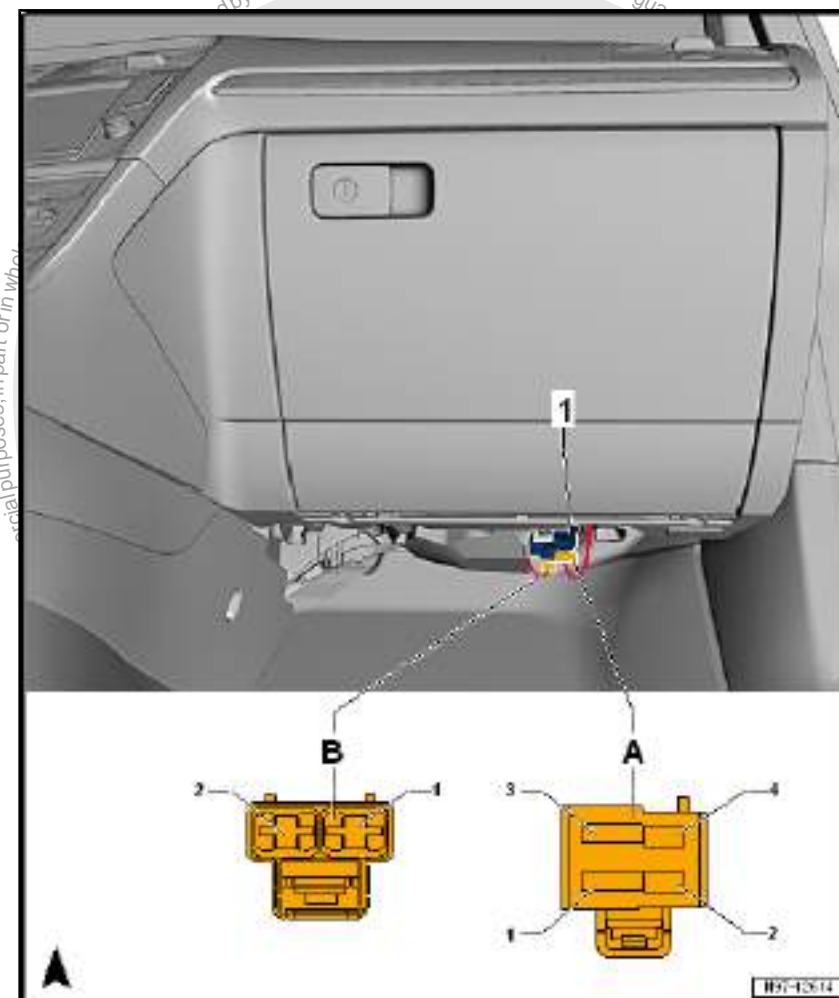
Fitting location:

On heater and air conditioner unit, front passenger footwell.


1 - Fresh air blower control unit -J126-

A - 4-pin connector -T4dc-

B - 2-pin connector -T2dq-



Connector assignment, fresh air blower control unit -J126-

-T4dc- (A)	Designation		-T2dq- (B)	Designation
1	Terminal 31		1	Fresh air blower -V2- , +
2			2	Fresh air blower -V2- , -
3	Terminal 30			
4	 Connection 1 (LIN bus) in dash panel wiring harness			

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1.3 Control unit 1 for information electronics -J794-

Fitting location:

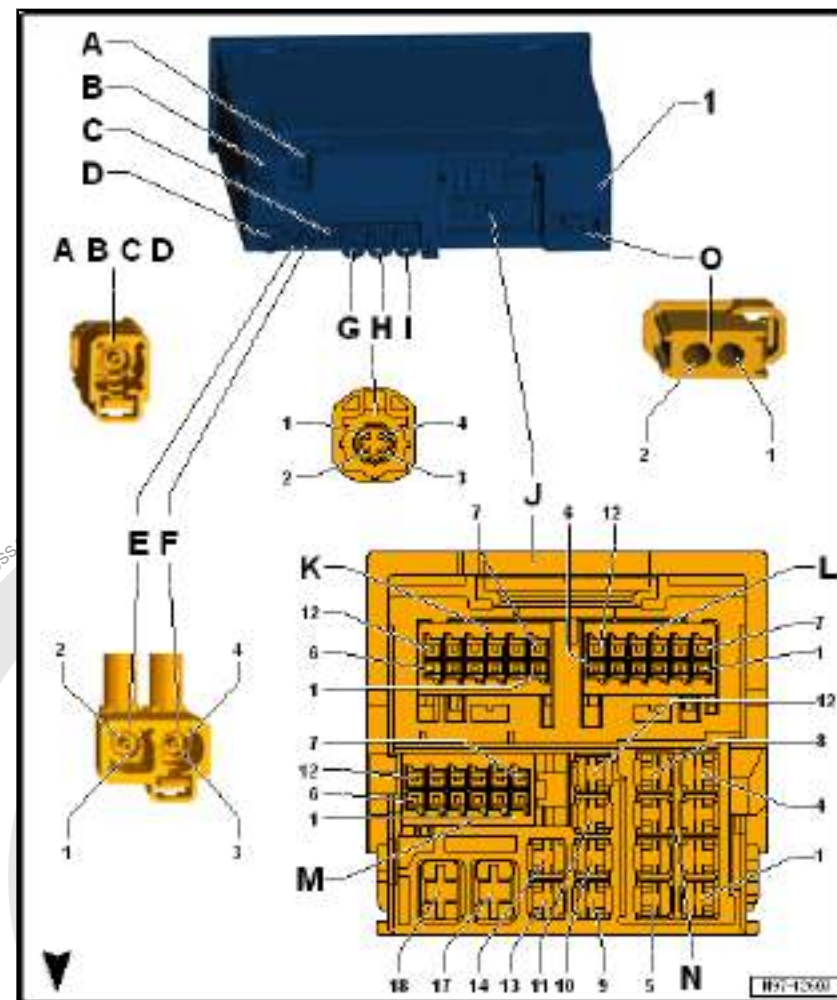
Equipment Composition Media, Discover Media/Discover Pro (Standard/High) : in glove compartment.





Note

Multiway connector housing J (chambers: 9-18), made up of connectors K, L, M and N.



1 - Control unit 1 for information electronics -J794-
A - 2-pin connector

- ☐ Digital radio aerial -R183-

B - 2-pin connector

- ☐ GSM aerial -R205-

C - not assigned

- ☐

D - 2-pin connector

- ☐ GPS aerial -R50-

E - 4-pin connector

- ☐ Radio aerial -R248-
- ☐ Radio aerial 2 -R93-

F - 4-pin connector

- ☐ TV aerial 1 -R55-
- ☐ Radio aerial -R248-

G - not assigned
H - 5-pin connector -T5ae-

- ☐ Interface for external multimedia unit -R215-
- ☐ Connection for external audio sources -R199-
- ☐ USB hub -R293-
- ☐ Chip card reader -D8-
- ☐ CD player -R89-


I - 5-pin connector -T5ah-

- ☐ Display unit for front information display and operating unit control unit -J685-

J - 8-pin connector -T8aq-
K - 12-pin connector -T12ag-
L - 12-pin connector -T12a-
M - 12-pin connector -T12al-
N - 8-pin connector -T8ar-
O - 2-pin connector -T2n-

Connector assignment, control unit 1 for information electronics -J794-

-T8ar- (N)	Designation	-T8aq- (J)	Designation	-T2n- (O)	Designation
1	Rear right treble loudspeaker -R16- , + Rear right bass loudspeaker -R17- , +	9		1	TV tuner -RX6-
2	Front right treble loudspeaker -R22- , + Front right bass loudspeaker -R23- , +	10		2	TV tuner -RX6-
3	Front left treble loudspeaker -R20- , + Front left bass loudspeaker -R21- , +	11			
4	Rear left treble loudspeaker -R14- , + Rear left bass loudspeaker -R15- , +	12			
5	Rear right treble loudspeaker -R16- , - Rear right bass loudspeaker -R17- , -	13			
6	Front right treble loudspeaker -R22- , - Front right bass loudspeaker -R23- , -	14			
7	Front left treble loudspeaker -R20- , - Front left bass loudspeaker -R21- , -	17(1)	Terminal 31		
8	Rear left treble loudspeaker -R14- , - Rear left bass loudspeaker -R15- , -	18(2)	Terminal 30		

-T12al- (M)	Designation	-T12ag- (K)	Designation	-T12a- (L)	Designation
1	(B415) Connection 1 (infotainment CAN-bus, high) in main wiring harness	1	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	1	Telephone microphone -R38-
2	Display unit for front information display and operating unit control unit -J685-	2	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	2	
3		3	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	3	
4		4	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	4	

-T12a-(M)	Designation	-T12a-(K)	Designation	-T12a-(L)	Designation
5	Terminal 30	5	Interface for external multimedia unit -R215- ¹	5	
6	(A178) Connection (infotainment CAN-bus, high), in dash panel wiring harness	6	Interface for external multimedia unit -R215- ¹	6	Reversing camera -R189-
7	(B421) Connection 1 (infotainment CAN-bus, low) in main wiring harness	7	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	7	Telephone microphone -R38- , screening connection
8	Display unit for front information display and operating unit control unit -J685-	8	Interface for external multimedia unit -R215- ¹ Connection for external audio sources -R199- ¹	8	
9		9	Interface for external multimedia unit -R215- ¹	9	
10		10	Interface for external multimedia unit -R215- ¹	10	
11		11	Interface for external multimedia unit -R215- ¹	11	
12	(A179) Connection (infotainment CAN-bus, low), in dash panel wiring harness	12	Interface for external multimedia unit -R215- ¹	12	Reversing camera -R189-

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1.4 Chip card reader -D8-

Fitting location:

In glove compartment.

1 - Chip card reader -D8-

A - 2-pin connector -T2-

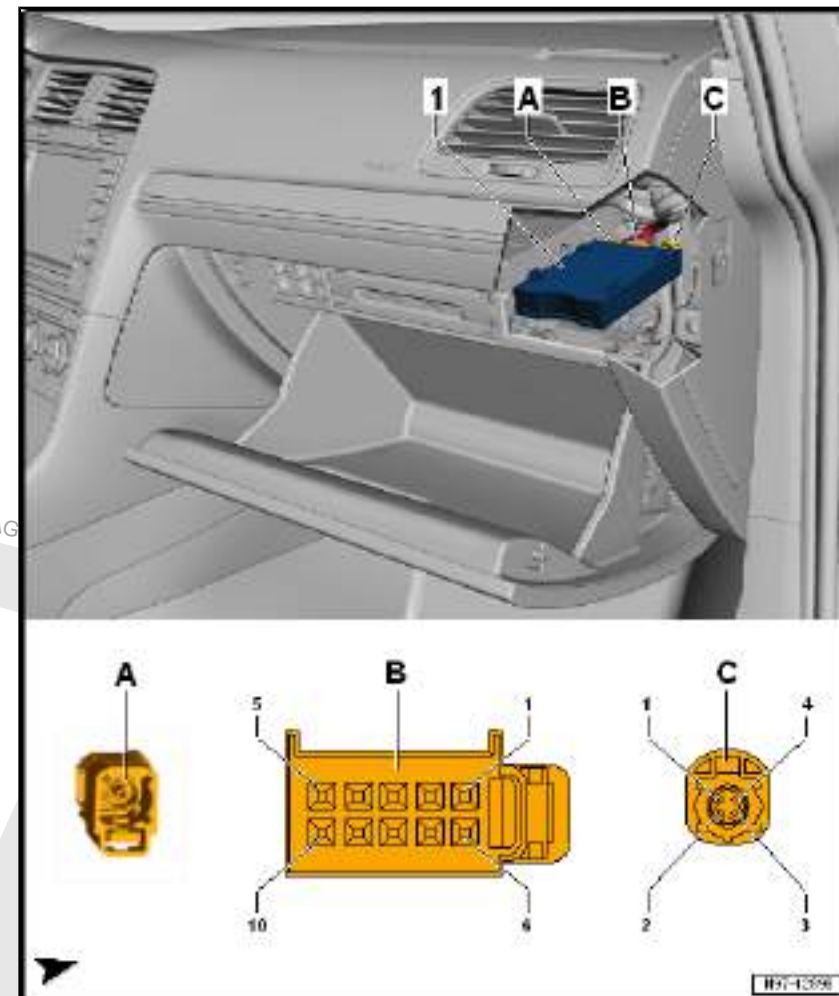
- Toll collection sender -G459-

B - 10-pin connector -T10lh-

- Traffic data aerial -R173-

C - 5-pin connector -T5as-

- Control unit 1 for information electronics -J794-



Connector assignment of chip card reader -D8-

-T10lh- (A)	Designation		-T10lh- (A)	Designation
1	Traffic data aerial -R173-		6	Control unit 1 for information electronics -J794-
2	Traffic data aerial -R173-		7	Traffic data aerial -R173-
3	Traffic data aerial -R173-		8	Traffic data aerial -R173-
4	Traffic data aerial -R173-		9	Terminal 30

-T10lh- (A)	Designation		-T10lh- (A)	Designation
5			10	Terminal 31

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1.5 Front passenger door control unit -J387-

Fitting location:

In front passenger door.



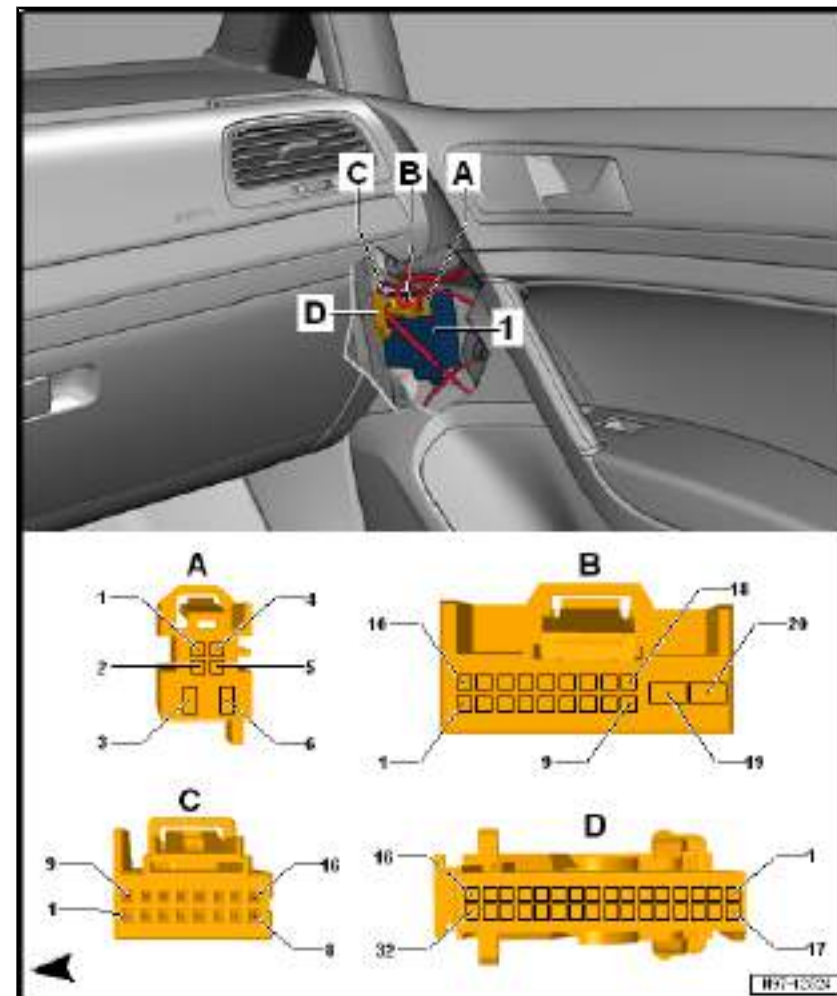
1 - Front passenger door control unit -J387-

A - 6-pin connector -T6ct-

B - 20-pin connector -T20b-

C - 16-pin connector -T16g-

D - 32-pin connector -T32c-



Connector assignment, front passenger door control unit -J387-

-T6ct- (A)	Designation	-T20b- (B)	Designation	-T16g- (C)	Designation	-T32c- (D)	Designation
1		1		1	Front passenger side entry light in exterior mirror -W53-	1	
2		2		2		2	

-T6ct-(A)	Designation	-T20b-(B)	Designation	-T16g-(C)	Designation	-T32c-(D)	Designation
3	Right window regulator motor -V15-	3		3	Passenger side exterior mirror -VX5-	3	Light for front passenger side interior door handle illumination -L220- Light for passenger door ambient lighting -W87-
4		4		4	Passenger side exterior mirror -VX5-	4	Kl.58
5		5	Front passenger door contact switch -F3-	5	Passenger side exterior mirror -VX5-	5	Terminal 31
6	Right window regulator motor -V15-	6	Front passenger door central locking actuator for SAFELOCK function -F244-	6		6	
		7		7	Front passenger side mirror adjustment motor -V25-	7	
		8		8	Front passenger side mirror adjustment motor -V150-	8	Light for passenger door ambient lighting -W87-
		9		9	Front passenger side fold-in mirror motor -V122-	9	
		10	LIN bus	10	Front passenger side fold-in mirror motor -V122-	10	
		11	Front passenger door lock unit -VX22-	11	Front passenger side turn signal repeater bulb -L132-	11	
		12	Front passenger door central locking SAFELOCK function motor -V162-	12		12	
		13	Front passenger seat central locking motor -V57-	13	Passenger side exterior mirror -VX5-	13	
		14	(B407) Connection 2 (convenience CAN bus, low) in main wiring harness	14	Passenger side exterior mirror -VX5-	14	
		15	(B398) Connection 2 (convenience CAN bus, high) in main wiring harness	15	Heated exterior mirror on front passenger side -Z5-	15	
		16		16	Passenger side exterior mirror -VX5-	16	Light conductor for front right sill panel moulding ambient lighting -W68-
		17				17	
		18				18	
		19	Terminal 30			19	
		20	Terminal 31			20	

-T6ct- (A)	Designation	-T20b- (B)	Designation	-T16g- (C)	Designation	-T32c- (D)	Designation
						21	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
						30	
						31	
						32	Front passenger side window regulator button -E716-

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1.6 Display unit for front information display and operating unit control unit -J685-

Fitting location:

Equipment Composition Touch, Composition Colour (Entry) in centre console.



Note

Multiway connector housing B (chambers: 9-18), made up of connectors C, D, E and F.

1 - Display unit for front information display and operating unit control unit -J685-

A - 4-pin connector

- ☐ Radio aerial -R248-
- ☐ Radio aerial 2 -R93-

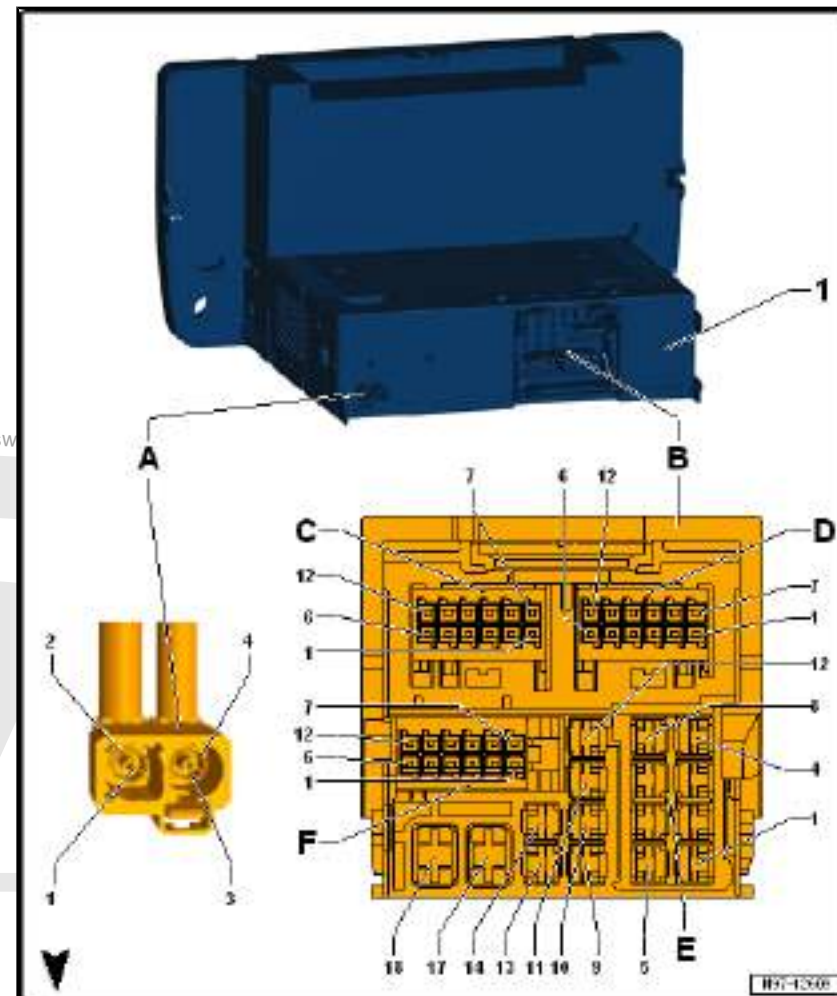
B - 8-pin connector -T8aq-

C - 12-pin connector -T12ag-

D - 12-pin connector -T12a-

E - 8-pin connector -T8ar-

F - 12-pin connector -T12al-



Connector assignment of display unit for front information display and operating unit control unit -J685-

-T8ar- (E)	Designation	-T8aq- (B)	Designation
1	Rear right treble loudspeaker -R16- , + Rear right bass loudspeaker -R17- , +	9	
2	Front right treble loudspeaker -R22- , + Front right bass loudspeaker -R23- , +	10	
3	Front left treble loudspeaker -R20- , + Front left bass loudspeaker -R21- , +	11	

-T8ar- (E)	Designation		-T8aq- (B)	Designation
4	Rear left treble loudspeaker -R14- , + Rear left bass loudspeaker -R15- , +		12	
5	Rear right treble loudspeaker -R16- , - Rear right bass loudspeaker -R17- , -		13	
6	Front right treble loudspeaker -R22- , - Front right bass loudspeaker -R23- , -		14	
7	Front left treble loudspeaker -R20- , - Front left bass loudspeaker -R21- , -		17(1)	Terminal 31
8	Rear left treble loudspeaker -R14- , - Rear left bass loudspeaker -R15- , -		18(2)	Terminal 30

-T12al- (F)	Designation		-T12ag- (C)	Designation		-T12a- (D)	Designation
1			1			1	
2			2			2	
3			3			3	
4			4			4	
5			5			5	
6	(A178) Connection (infotainment CAN bus, high), in dash panel wiring harness		6			6	
7			7			7	
8			8			8	
9			9			9	
10			10			10	
11			11			11	
12	(A179) Connection (infotainment CAN bus, low), in dash panel wiring harness		12			12	

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1.6.1 Display unit for front information display and operating unit control unit -J685-

Fitting location:

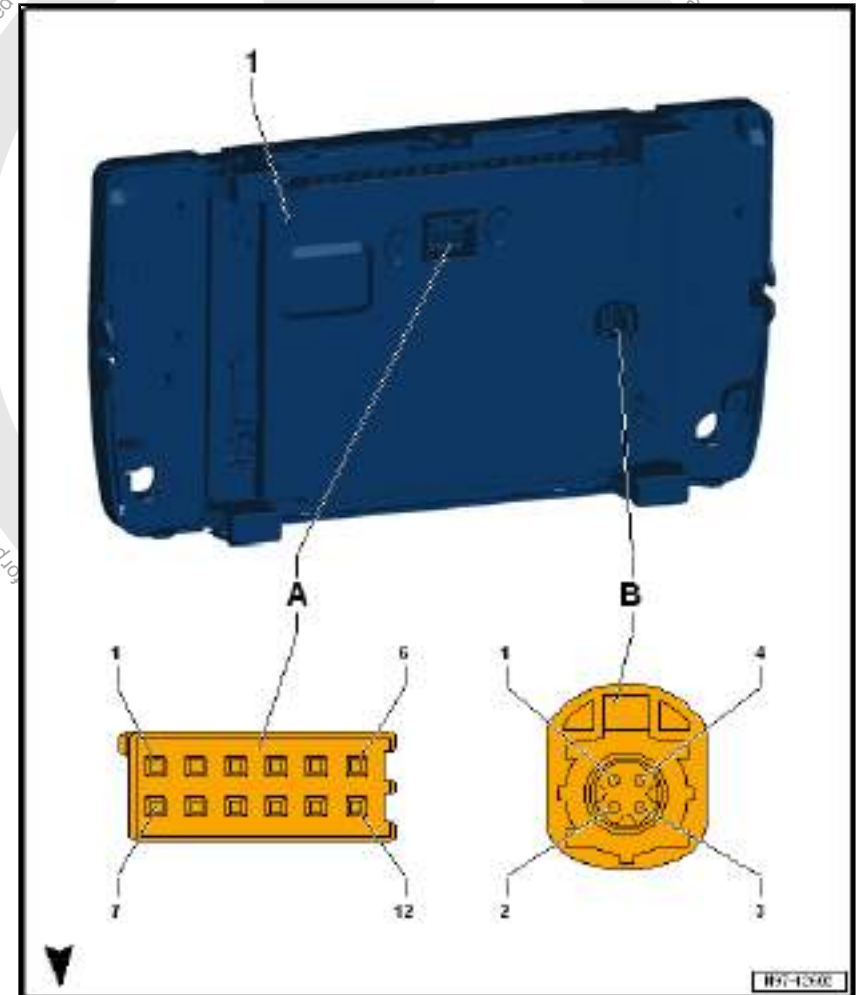
Equipment Composition Media, Discover Media/Discover Pro (Standard/High) : in centre console.

1 - Display unit for front information display and operating unit control unit -J685-



A - 12-pin connector -T12ai-

B - T5-pin connector -T5ad-

□ Control unit 1 for information electronics -J794-



Connector assignment of display unit for front information display and operating unit control unit -J685-

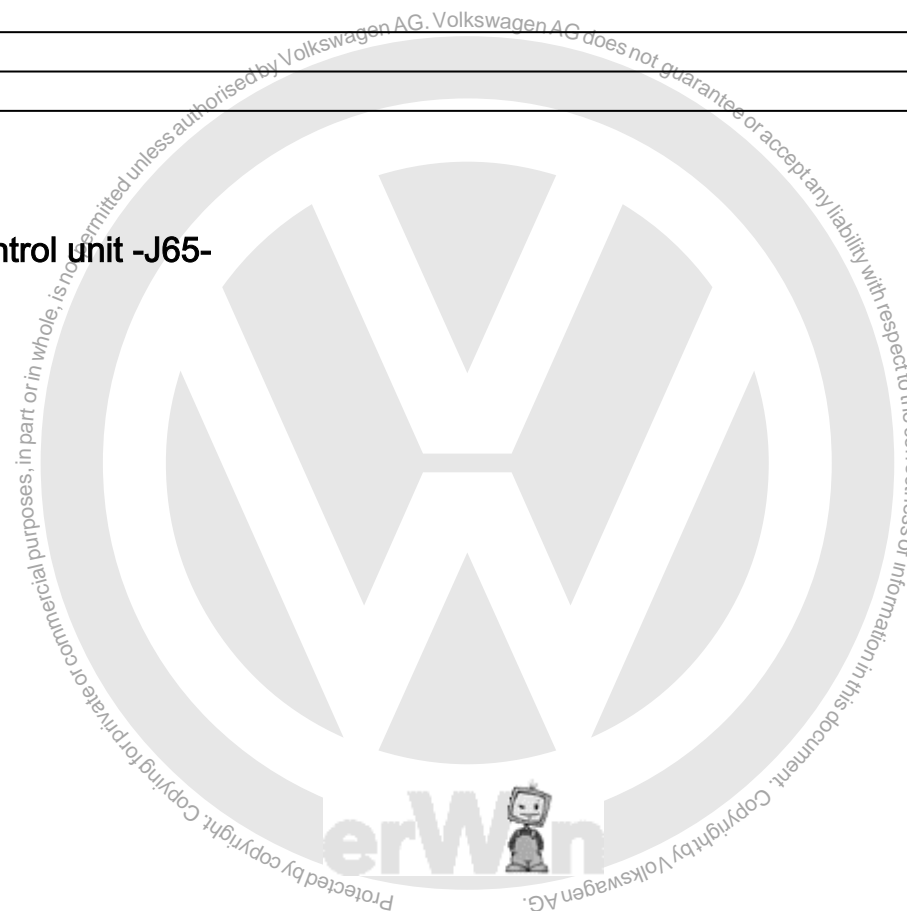
-T12ai- (A)	Designation
1	Terminal 30
2	
3	 Connection 1 (infotainment CAN bus, high) in main wiring harness
4	
5	
6	
7	Terminal 31
8	
9	 Connection 1 (infotainment CAN bus, low) in main wiring harness
10	
11	
12	

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1.7 Air conditioning system control unit -J301- / heater control unit -J65-

Fitting location:

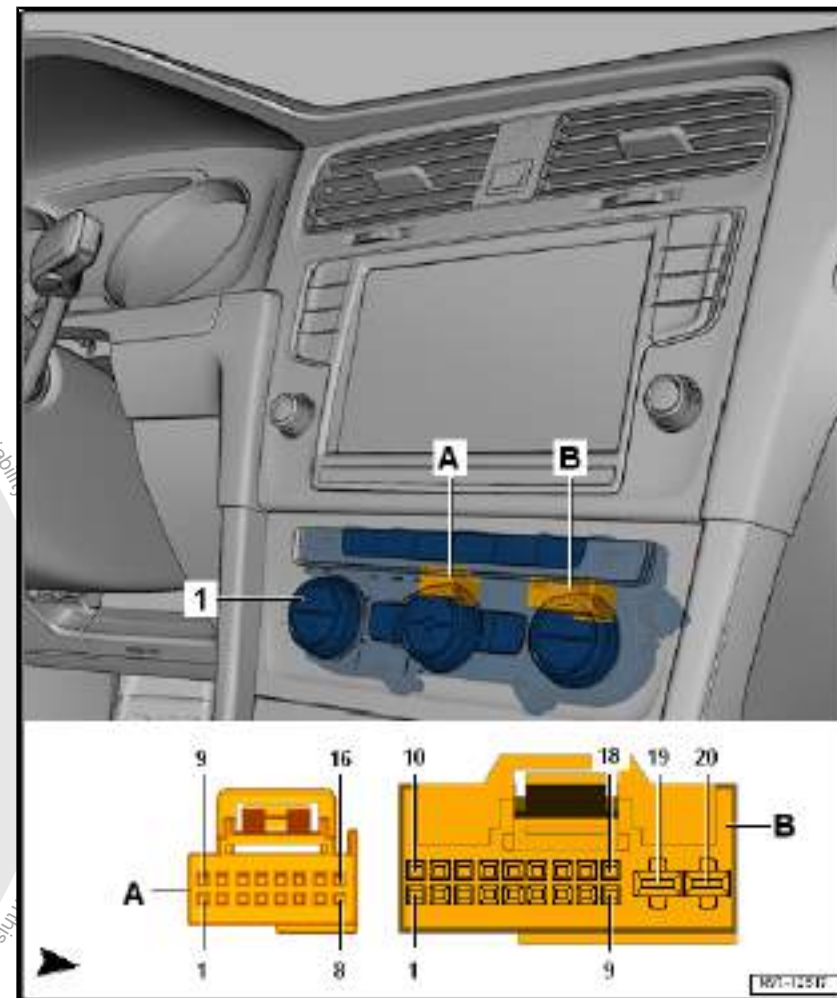
In centre of dash panel.



1 - Air conditioning system control unit -J301- / heater control unit -J65-




A - 16-pin connector -T16c-

B - 20-pin connector -T20c-



Connector assignment of air conditioning system control unit -J301- / heater control unit -J65-

-T16c- (A)	Designation		-T20c- (B)	Designation
1	Potentiometer for air distribution flap control motor -G645- Potentiometer for temperature flap control motor -G92-		1	
2	Potentiometer for temperature flap control motor -G92-		2	
3	Potentiometer for air distribution flap control motor -G645-		3	
4			4	

-T16c- (A)	Designation		-T20c- (B)	Designation
5	Temperature flap control motor -V68-		5	 B506 Connection (convenience CAN bus, high) in interior wiring harness
6	Temperature flap control motor -V68-		6	 B507 Connection (convenience CAN bus, low) in interior wiring harness
7	Air distribution flap control motor -V428-		7	
8	Air distribution flap control motor -V428-		8	
9	Air recirculation flap control motor -V113-		9	
10	Air recirculation flap control motor -V113-		10	
11	Evaporator temperature sensor -G308- • Only models with air conditioning system		11	
12			12	
13			13	
14	Potentiometer for air distribution flap control motor -G645- Potentiometer for temperature flap control motor -G92-		14	
15			15	
16			16	 A209 Connection 1 (LIN bus) in dash panel wiring harness
			17	
			18	Air conditioner compressor regulating valve -N280- • Only models with air conditioning system
			19	Terminal 31
			20	Terminal 30

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1.8 Climatronic control unit -J255-

Fitting location:

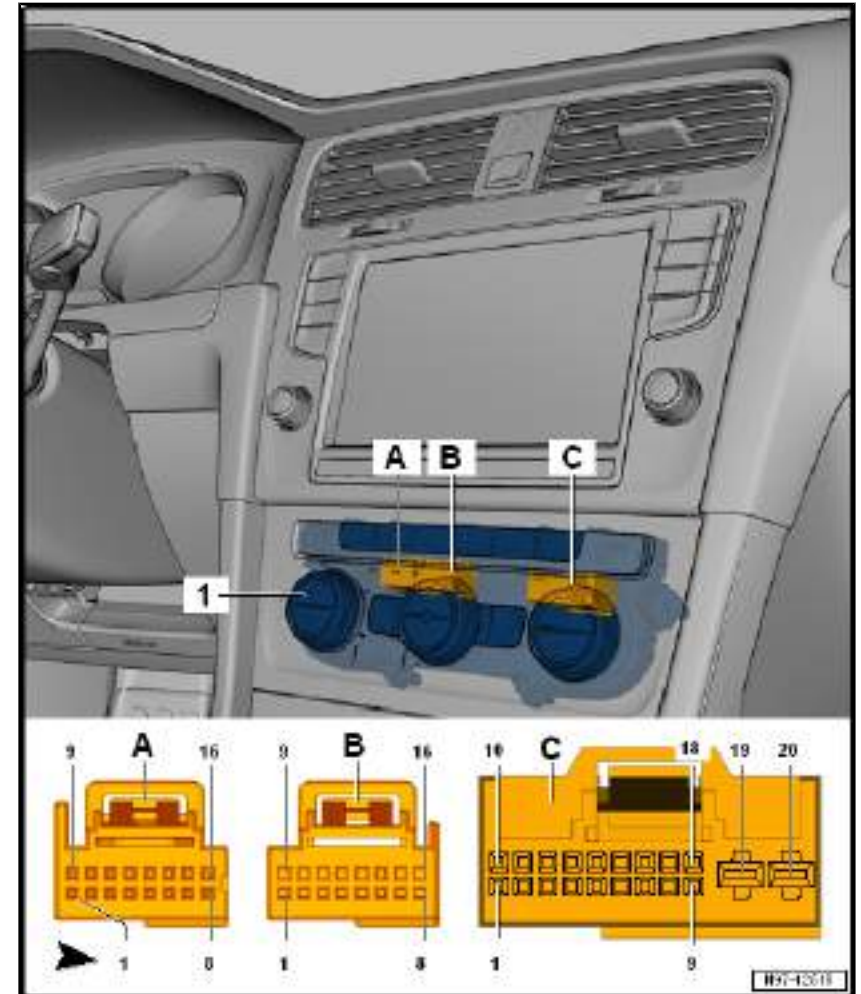
In centre of dash panel.

1 - Climatronic control unit -J255-

A - 16-pin connector -T16d-

B - 16-pin connector -T16c-

C - 20-pin connector -T20c-



Connector assignment, Climatronic control unit -J255-

-T16d- (A)	Designation	-T16c- (B)	Designation	-T20c- (C)	Designation
1	Left temperature flap control motor -V158-	1	Potentiometer for front air distribution flap control motor -G642- Potentiometer for fresh air/air recirculation, air flow flap control motor -G644- , 5 V Potentiometer for defroster flap control motor -G135- Potentiometer for left temperature flap control motor -G220- Potentiometer for right temperature flap control motor -G221-	1	Sunlight penetration photosensor -G107-
2	Left temperature flap control motor -V158-	2	Potentiometer for left temperature flap control motor -G220-	2	
3	Defroster flap control motor -V107-	3	Potentiometer for right temperature flap control motor -G221-	3	Sunlight penetration photosensor -G107-
4	Defroster flap control motor -V107-	4	Potentiometer for defroster flap control motor -G135-	4	
5	Front air distribution flap control motor -V426-	5	Potentiometer for front air distribution flap control motor -G642-	5	(B506) Connection (convenience CAN bus, high) in interior wiring harness
6	Front air distribution flap control motor -V426-	6		6	(B507) Connection (convenience CAN bus, low) in interior wiring harness
7		7	Potentiometer for fresh air/air recirculation, air flow flap control motor -G644-	7	Refrigerant shut-off valve for heater and air conditioner unit -N541- ¹⁾
8		8	Footwell vent temperature sender -G192-	8	
9	Fresh air/air recirculation, air flow flap control motor -V425-	9		9	Sunlight penetration photosensor -G107-
10	Fresh air/air recirculation, air flow flap control motor -V425-	10		10	Refrigerant shut-off valve for high-voltage battery heat exchanger -N542- ¹⁾
11	Right temperature flap control motor -V159-	11	Evaporator temperature sensor -G308-	11	
12	Right temperature flap control motor -V159-	12		12	
13		13		13	Left vent temperature sender -G150-

-T16d- (A)	Designation	-T16c- (B)	Designation	-T20c- (C)	Designation
14		14	Potentiometer for front air distribution flap control motor -G642- , - Potentiometer for fresh air/air recirculation, air flow flap control motor -G644- , - Potentiometer for defroster flap control motor -G135- , - Potentiometer for left temperature flap control motor -G220- , - Potentiometer for right temperature flap control motor -G221- , - Footwell vent temperature sender -G192- , - Evaporator temperature sensor -G308- , -	14	Right vent temperature sender -G151-
15		15		15	
16		16		16	A209 Connection 1 (LIN bus) in dash panel wiring harness
				17	Sunlight penetration photosensor -G107- , - Right vent temperature sender -G151- , - Left vent temperature sender -G150- , -
				18	Air conditioner compressor regulating valve -N280- Air conditioning system relay -J32- ¹⁾
				19	Terminal 31
				20	Terminal 30

¹⁾Only models with hybrid drive system

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1.9 Engine sound generator control unit -J943-



Note

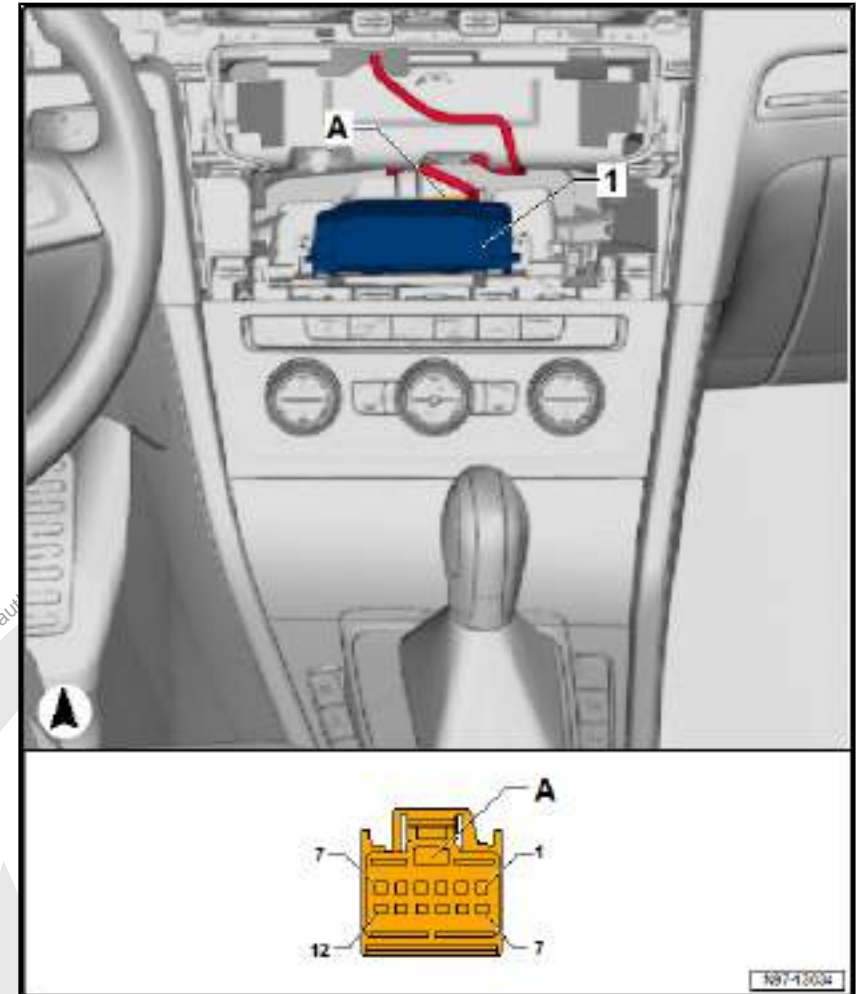
Only models with hybrid drive system, from May 2016

Fitting location:

behind the display unit for front information display and operating unit control unit -J685-

1 - Engine sound generator control unit -J943-



A - 12-pin connector -T12ab-



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Connector assignment, engine sound generator control unit -J943-

-T12ab- (A)	Designation
1	Terminal 30
2	Terminal 31
3	Actuator 1 for engine sound generator -R257-

-T12ab- (A)	Designation
4	Actuator 1 for engine sound generator -R257-
5	
6	
7	Terminal 30
8	Terminal 31
9	Switch module 1 in centre console -EX23-
10	Switch module 1 in centre console -EX23- ♦ Engine sound generator button -E818-
11	 Connection 1 (powertrain CAN bus, low), in main wiring harness
12	 Connection 1 (powertrain CAN bus, high), in main wiring harness

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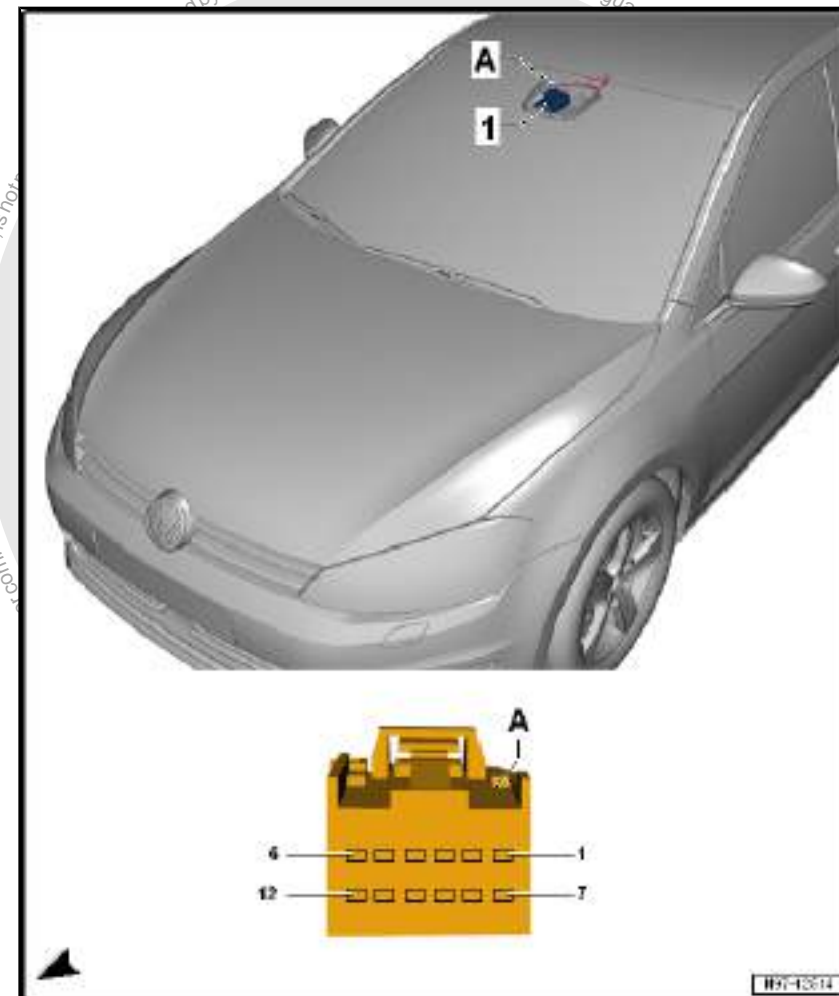
1.10 Front camera for driver assist systems -R242-

Fitting location:

Near interior mirror.

1 - Front camera for driver assist systems -R242-

A - 12-pin connector -T12ar-



Fitting location, front camera for driver assist systems -R242-

-T12ar- (A)	Designation
1	Adaptive cruise control unit -J428-
2	(B109) Connection 1 (CAN bus extended, low) in main wiring harness
3	
4	Windscreen heater for front sensors -Z113-
5	Terminal 31

-T12ar- (A)	Designation
6	Terminal 15
7	Adaptive cruise control unit -J428-
8	B108 Connection 1 (CAN bus extended, high), in main wiring harness
9	
10	
11	
12	

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1.11 Main beam assist control unit -J844-

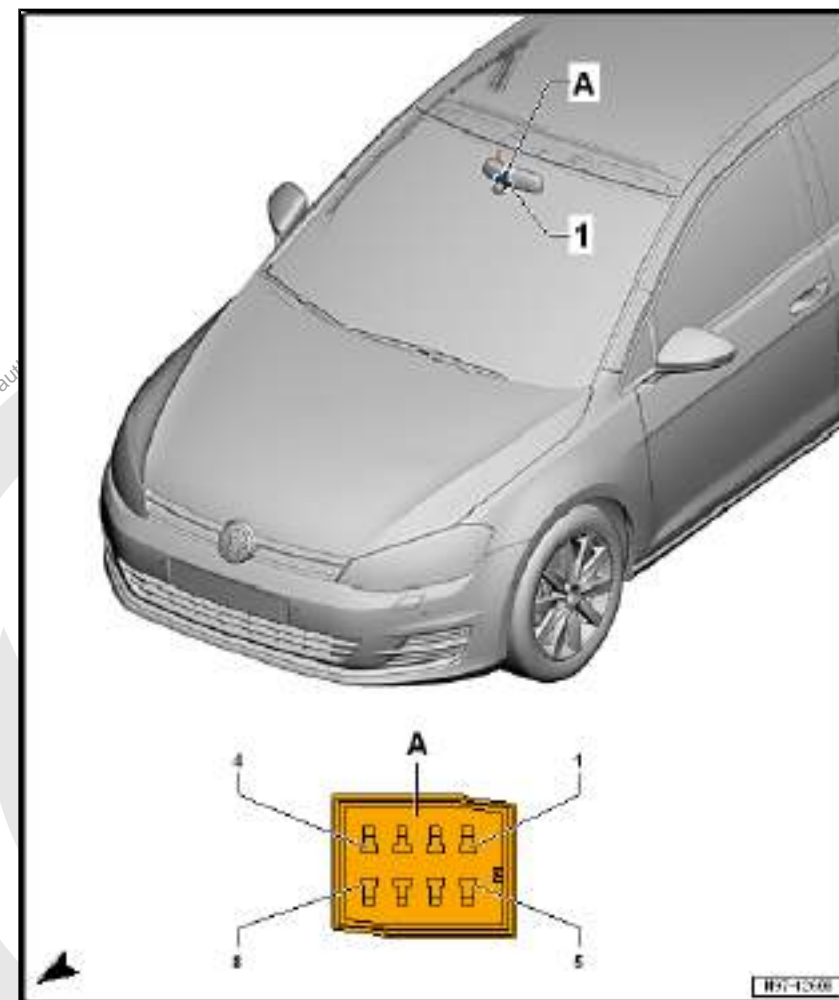
Fitting location:

On interior mirror.




1 - Main beam assist control unit -J844-

A - 8-pin connector -T8bg-



Connector assignment of main beam assist control unit -J844-

-T8bg- (A)	Designation
1	Terminal 15
2	Terminal 31
3	B108 Connection 1 (CAN bus extended, high), in main wiring harness
4	
5	

-T8bg- (A)	Designation
6	Front interior light -WX1- , -
7	
8	 Connection 1 (CAN bus extended, low) in main wiring harness

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1.12 Selector lever -E313-

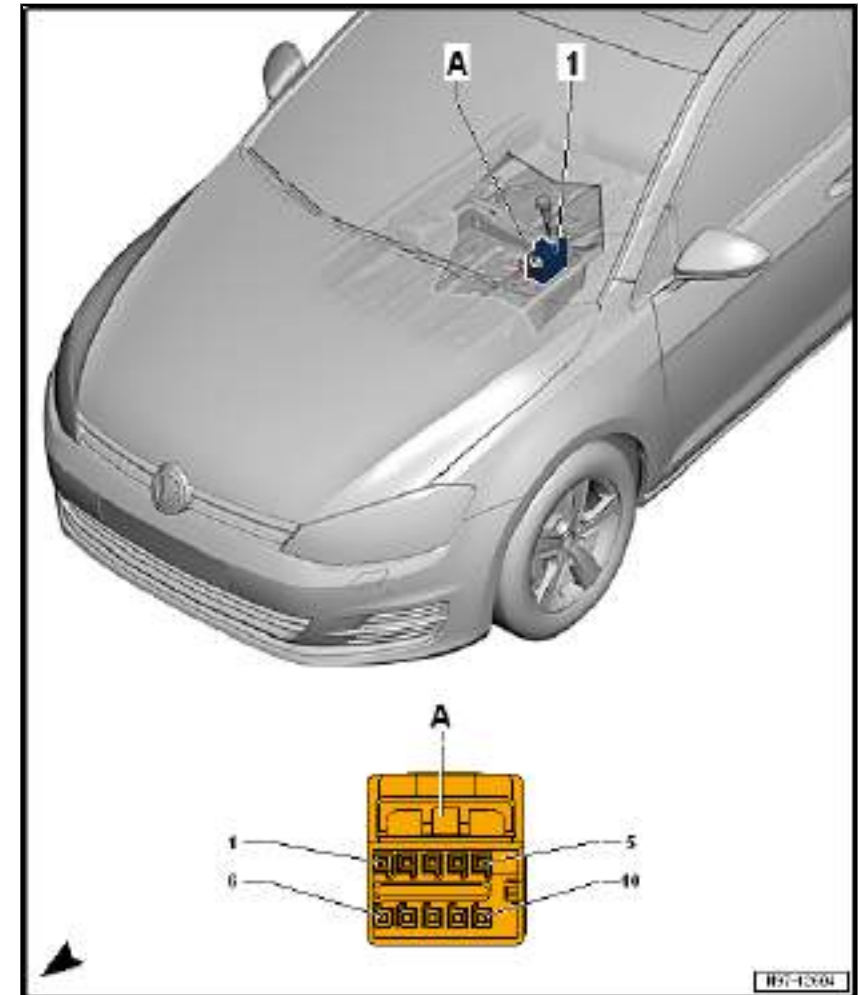
Fitting location:

In centre console, on selector lever bracket.



1 - Selector lever -E313-

A - 10-pin connector -T10s-



Connector assignment of selector lever -E313-

-T10s- (A)	Designation
1	Terminal 31
2	Control unit for electronic steering column lock -J764- ¹⁾ Steering column electronics control unit -J527- ¹⁾
3	Terminal 58 ¹⁾
4	

-T10s- (A)	Designation
5	Kl.58
6	
7	<div>B383</div> <div>B776</div> <div>B390</div> <div>B777</div> Connection 1 (powertrain CAN bus, high), in main wiring harness Connection 1 (hybrid CAN bus, high), in main wiring harness ²⁾ Connection 1 (powertrain CAN bus, low), in main wiring harness Connection 1 (hybrid CAN bus, low), in main wiring harness ²⁾
9	Terminal 15
10	Terminal 30

¹⁾ According to equipment

²⁾ Only models with hybrid drive system

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1.13 TV tuner -RX6-

Fitting location:

Under front right seat.



1 - TV tuner -RX6-

A - 2-pin connector -T2-

□ TV aerial 1 -R55-

B - 4-pin connector -T4-

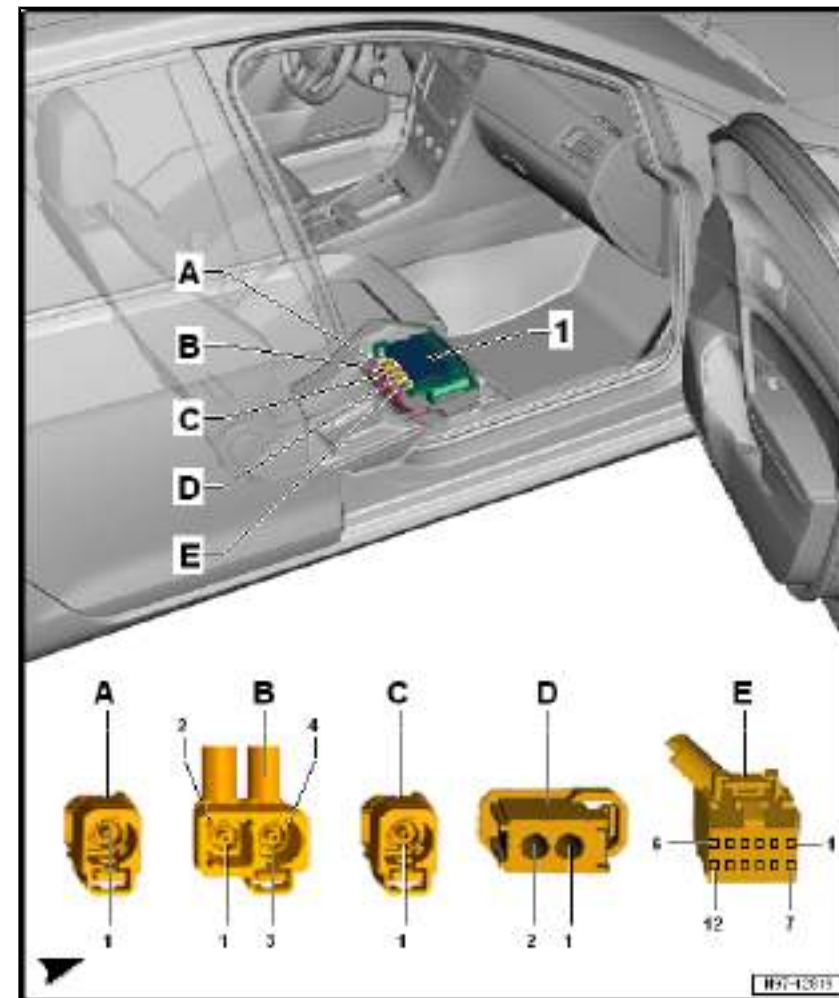
□ TV aerial 2 -R56-

□ TV aerial 3 -R57-

C - not assigned

D - 2-pin connector -T2u-

E - 12-pin connector -T12I-



Connector assignment, TV tuner -RX6-

-T12I- (E)	Designation	-T2u- (D)	Designation
1	Terminal 30	1	Digital sound package control unit -J525- / control unit 1 for information electronics -J794-
2	Terminal 31	2	Digital sound package control unit -J525- / control unit 1 for information electronics -J794-
3	Control unit 1 for information electronics -J794-		

-T12l- (E)	Designation		-T2u- (D)	Designation
4				
5				
6				
7				
8				
9				
10				
11				
12				

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1.14 Special vehicle control unit -J608-

Fitting location:

under seat on front right

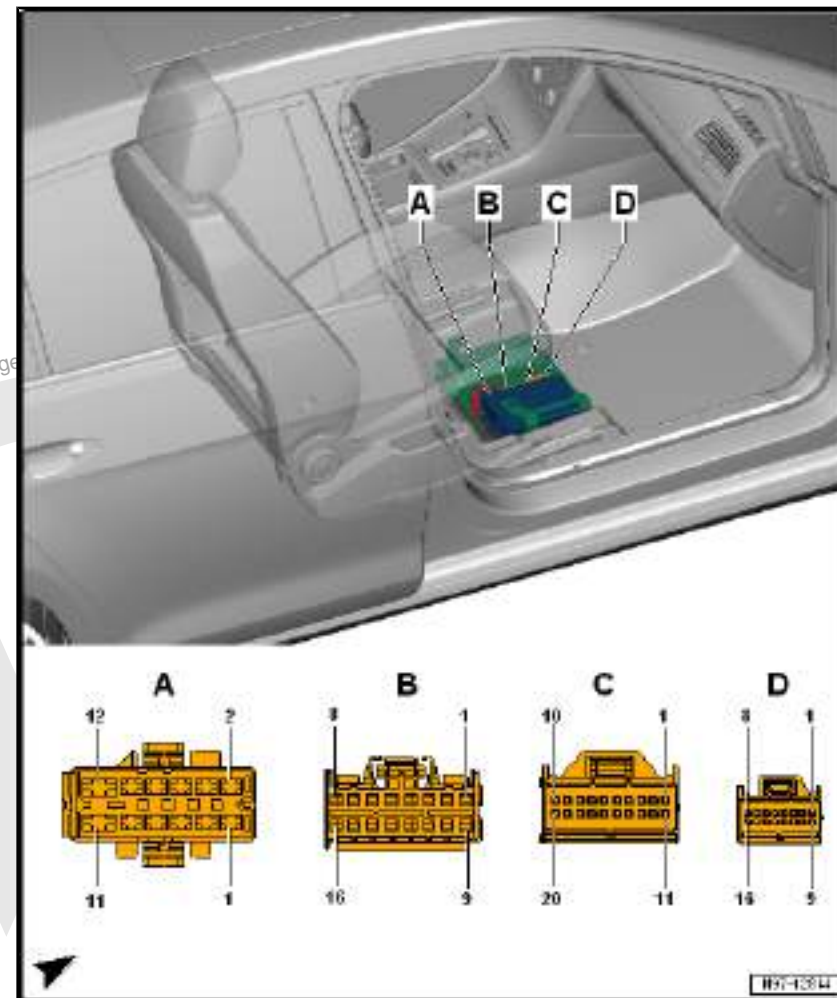
1 - Special vehicle control unit -J608-

A - 12-pin connector -T12c-

B - 16-pin connector -T16e-

C - 20-pin connector -T20m-

D - 16-pin connector -T16b-



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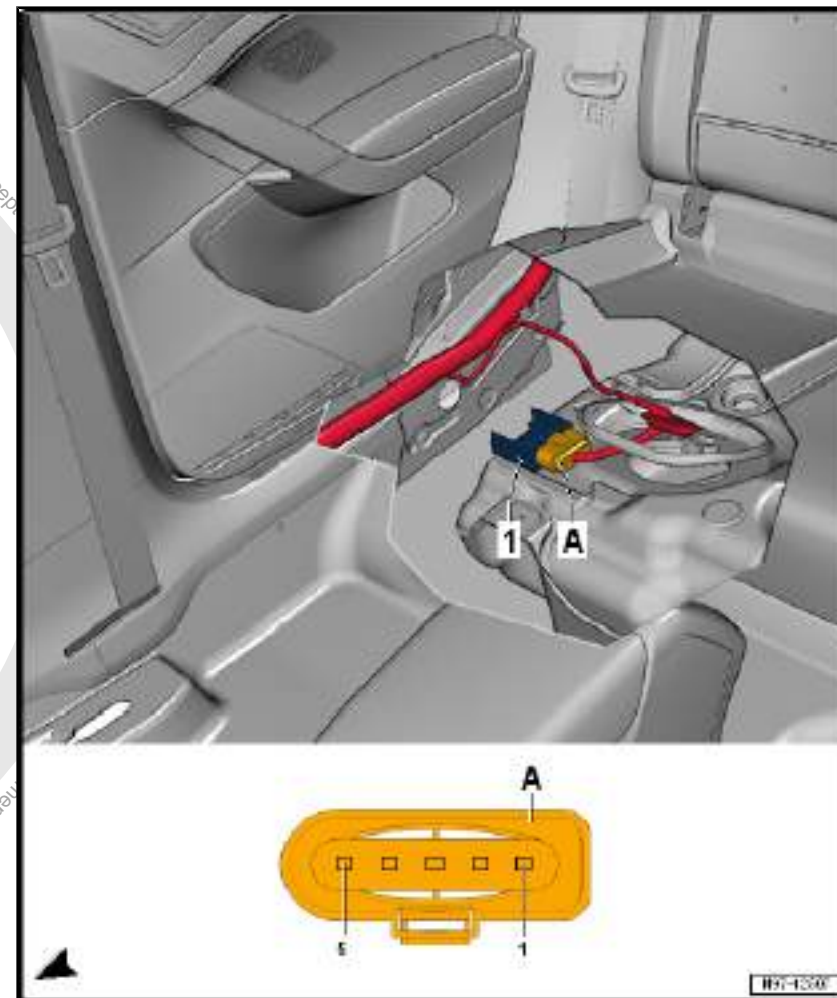
1.15 Fuel pump control unit -J538- , for models with petrol engine

Fitting location:

Under rear seat bench.

1 - Fuel pump control unit -J538-

A - 5-pin connector -T5ai-



Connector assignment, fuel pump control unit -J538-

-T5ai- (A)	Designation
1	Fuel system pressurisation pump -G6- , +
2	Fuel system pressurisation pump -G6- , -
3	Terminal 87
4	Terminal 31
5	

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1.16 Fuel pump control unit -J538- , for models with diesel engine

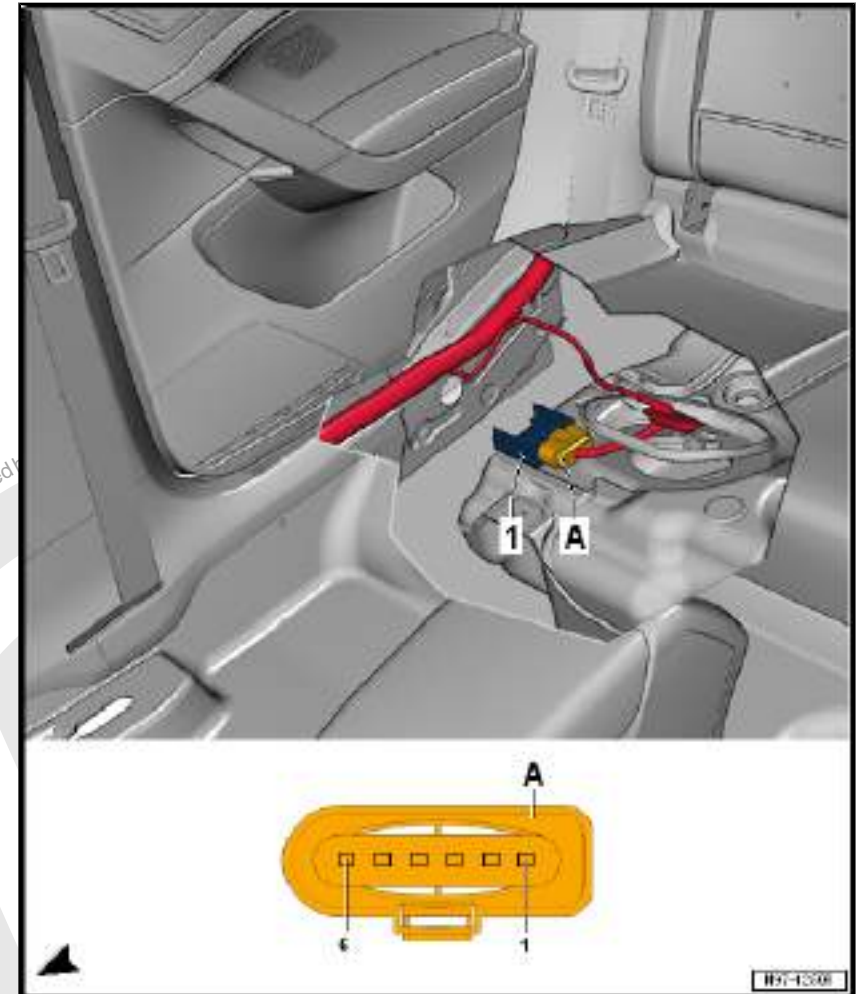
Fitting location:

Under rear seat bench.



1 - Fuel pump control unit -J538-

A - 6-pin connector -T6cg-



Connector assignment, fuel pump control unit -J538-

-T6cg- (A)	Designation
1	Fuel system pressurisation pump -G6- , phase W
2	Fuel system pressurisation pump -G6- , phase V
3	Fuel system pressurisation pump -G6- , phase U
4	Terminal 31
5	Terminal 87

-T6cg- (A)	Designation
6	

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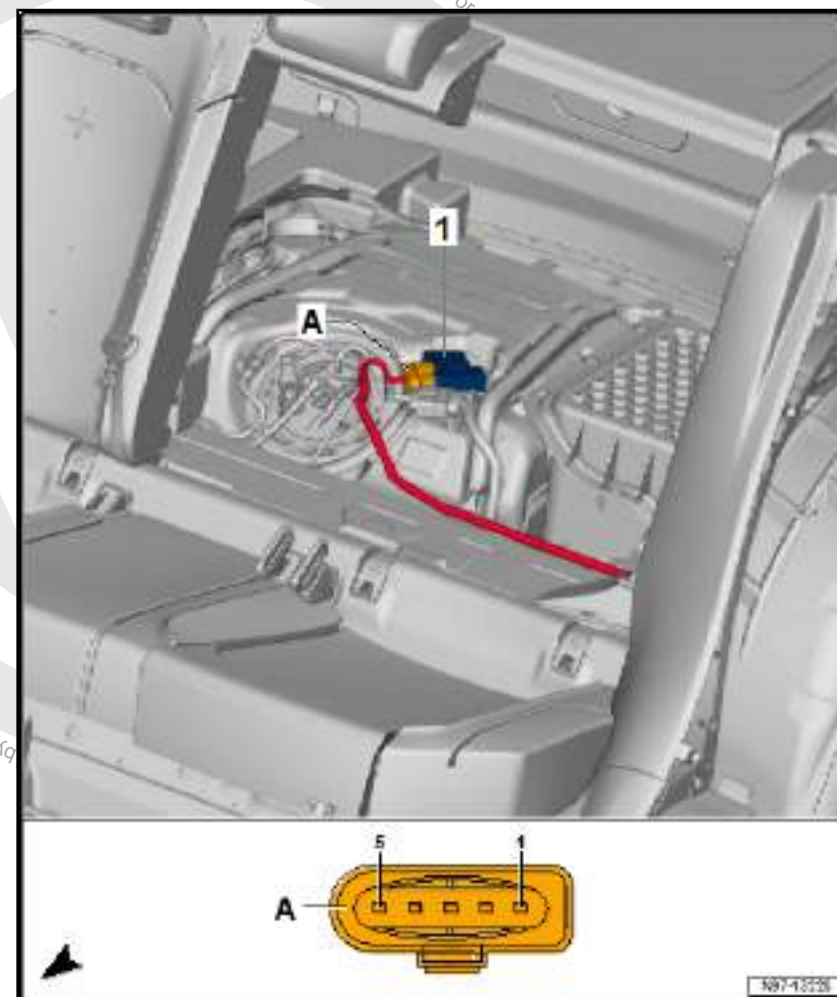
1.17 Fuel pump control unit -J538-, for models with hybrid drive system

Fitting location:

under load floor in luggage compartment.

1 - Fuel pump control unit -J538-

A - 5-pin connector -T5ai-



Connector assignment, fuel pump control unit -J538-

-T5ai- (A)	Designation
1	Fuel system pressurisation pump -G6- , +
2	Fuel system pressurisation pump -G6- , -
3	Terminal 87
4	Terminal 31
5	Engine control unit -J623-

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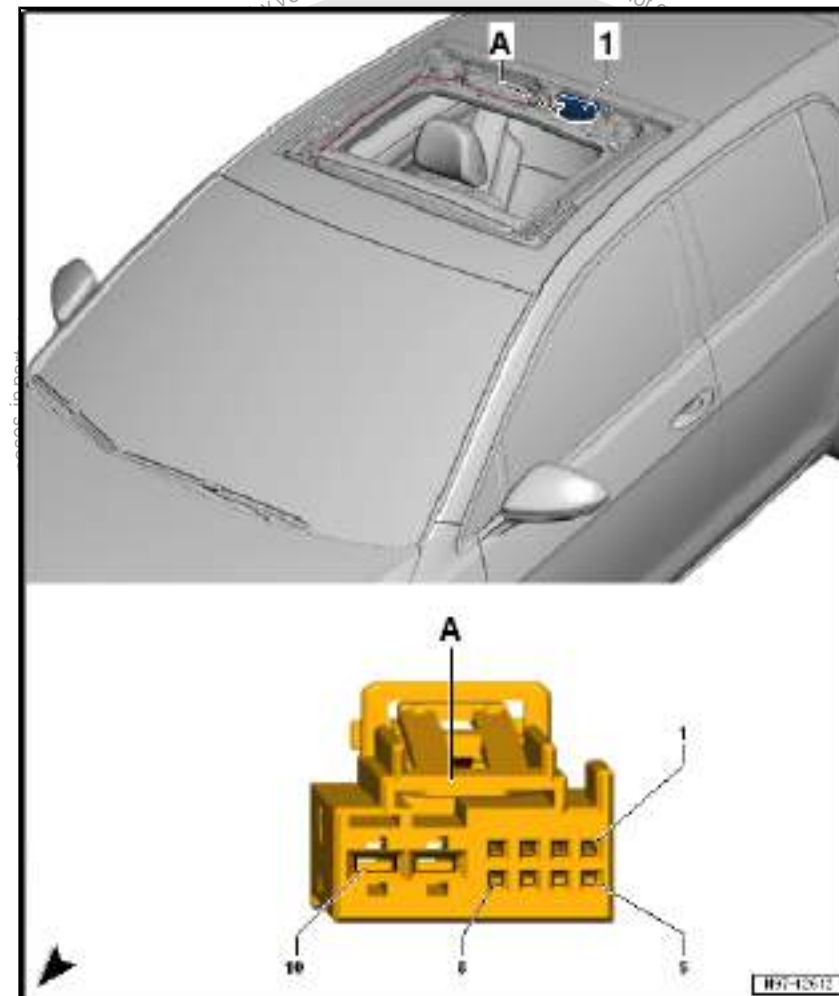
1.18 Sliding sunroof adjustment control unit -J245-

Fitting location:

On rear sunroof motor.

1 - Sliding sunroof adjustment control unit -J245-

A - 10-pin connector -T10le-



Connector assignment, sliding sunroof adjustment control unit -J245-

-T10le- (A)	Designation
1	LIN bus
2	
3	
4	Sunroof button -E325-
5	Diagnosis

-T10le- (A)	Designation
6	Sunroof button -E325-
7	Sunroof button -E325-
8	
9	Terminal 31
10	Terminal 30

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1.19 Control unit for navigation system -J856-

Fitting location:

Under front right seat.



1 - Control unit for navigation system -J856-

A - 10-pin connector -T10y-

B - 5-pin connector -T5-

- ☐ Control unit 1 for information electronics -J794-

C - 5-pin connector -T5-

- ☐ Multimedia system operating unit -E380-

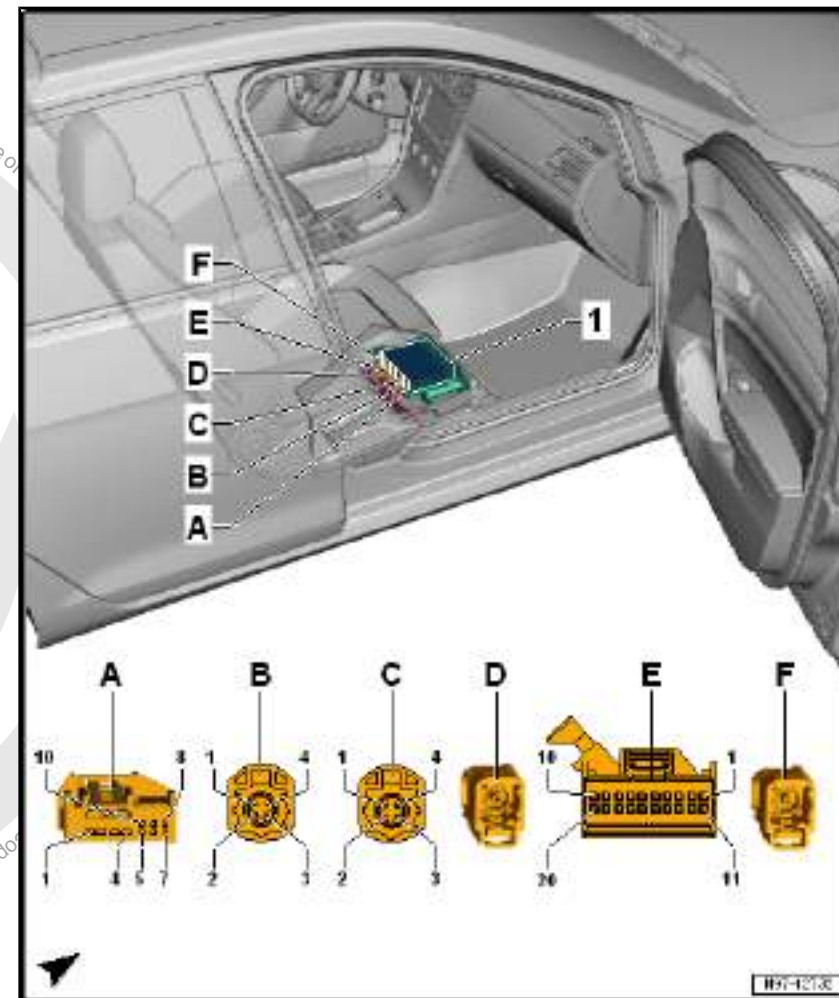
D - 2-pin connector

- ☐ Radio aerial -R248-

E - 20-pin connector -T20p-

F - 2-pin connector

- ☐ Digital radio aerial -R183-



Connector assignment of control unit for navigation system -J856-

-T10y- (A)	Designation		-T20p- (E)	Designation
1	Terminal 31		1	
2	Terminal 30		2	
3			3	
4			4	Telephone microphone -R38-

-T10y- (A)	Designation		-T20p- (E)	Designation
5	(B421) Connection 1 (infotainment CAN bus, low) in main wiring harness		5	
6			6	Control unit 1 for information electronics -J794-
7			7	Control unit 1 for information electronics -J794-
8	(B415) Connection 1 (infotainment CAN bus, high) in main wiring harness		8	Control unit 1 for information electronics -J794-
9			9	Connection for external audio sources -R199- Interface for external multimedia unit -R215-
10			10	Connection for external audio sources -R199- Interface for external multimedia unit -R215-
			11	
			12	
			13	
			14	Telephone microphone -R38-
			15	
			16	Control unit 1 for information electronics -J794-
			17	Control unit 1 for information electronics -J794-
			18	
			19	Connection for external audio sources -R199- Interface for external multimedia unit -R215-
			20	Connection for external audio sources -R199- Interface for external multimedia unit -R215-

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1.20 Steering column electronics control unit -J527-

Fitting location:

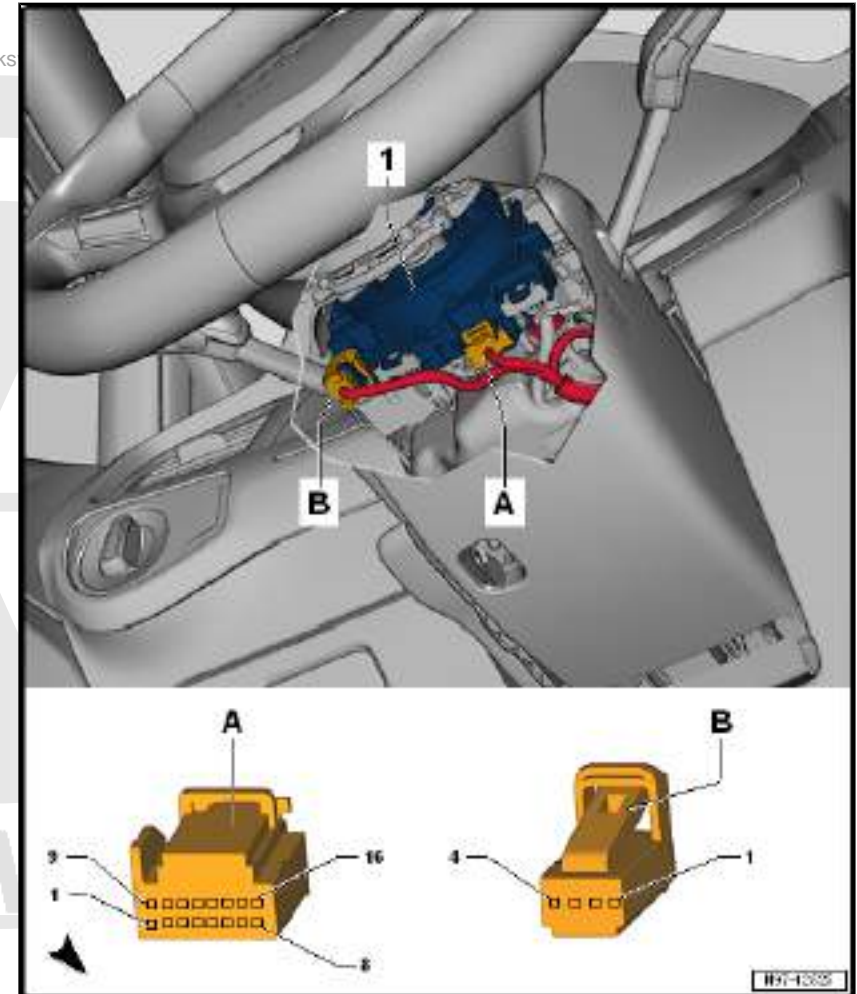
On steering column.

1 - Steering column electronics control unit -J527-

A - 16-pin connector -T16r- , for models with no heated steering wheel

A - 14-pin connector -T14a- , for models with heated steering wheel

B - 4-pin connector -T4k-



Connector assignment of steering column electronics control unit -J527- , for models with no heated steering wheel

-T16r- (A)	Designation	-T16r- (A)	Designation	-T4k- (B)	Designation
1	Terminal 30	9		1	Airbag control unit -J234-
2	Terminal 31	10		2	Airbag control unit -J234-
3	(B507) Connection (convenience CAN bus, low) in interior wiring harness	11	Selector lever -E313-	3	

-T16r-(A)	Designation	-T16r-(A)	Designation	-T4k-(B)	Designation
4	(B506) Connection (convenience CAN bus, high) in interior wiring harness	12		4	
5	Cruise control system	13			
6	Engine control unit -J623- , terminal 50	14	Onboard supply control unit -J519- , terminal 15		
7	Onboard supply control unit -J519- , terminal S	15			
8	(B549) Connection 2 (LIN bus), in main wiring harness	16	Onboard supply control unit -J519- , terminal 15		

Connector assignment of steering column electronics control unit -J527- , for models with heated steering wheel

-T14a-(A)	Designation	-T14a-(B)	Designation	-T4k-(B)	Designation
1	Terminal 30 for steering wheel heating	8	Terminal 31 for steering wheel heating	1	Airbag control unit -J234-
2	Terminal 30	9	Selector lever -E313-	2	Airbag control unit -J234-
3		10	Onboard supply control unit -J519- , terminal 15	3	
4	Terminal 31	11	Onboard supply control unit -J519- , terminal 15	4	
5	(B507) Connection (convenience CAN bus, low) in interior wiring harness	12	Onboard supply control unit -J519- , terminal S		
6	(B506) Connection (convenience CAN bus, high) in interior wiring harness	13	Engine control unit -J623- , terminal 50		
7	Cruise control system off	14	(B549) Connection 2 (LIN bus), in main wiring harness		

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1.21 Storage compartment with interface for mobile telephone -R265-

Fitting location:

Under centre armrest, front.



Note

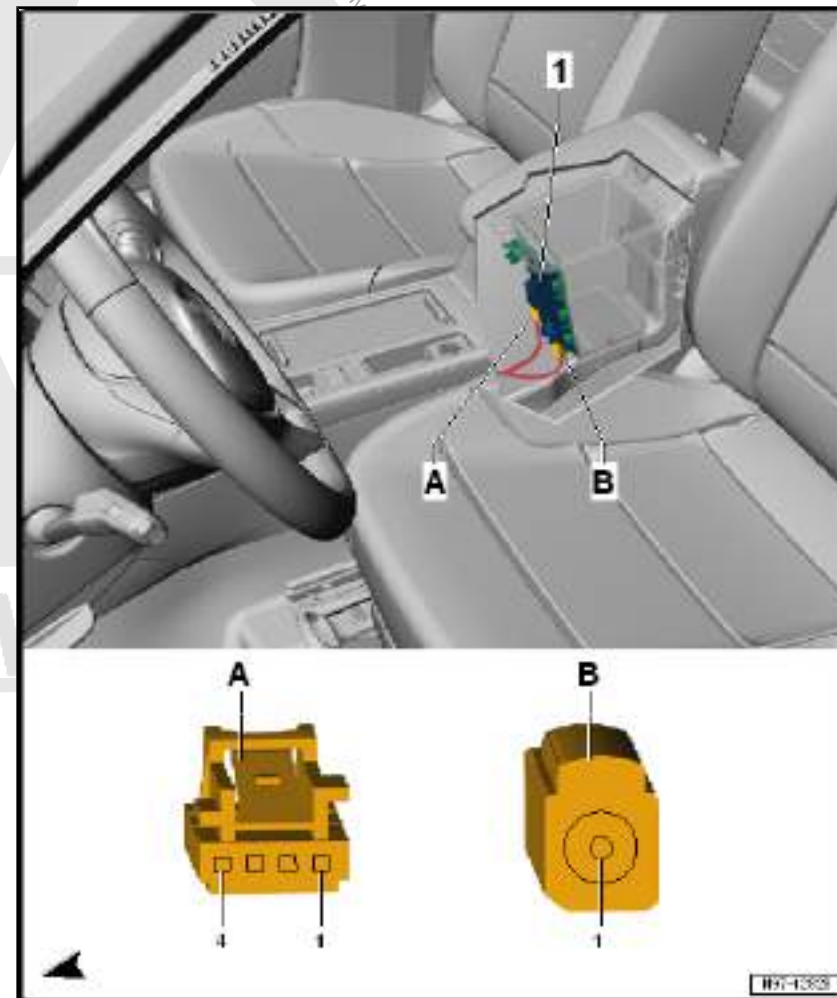
For vehicle type BQ1, the storage compartment with interface for mobile telephone -R265- is located in the front centre console, under the air conditioning controls.

1 - Storage compartment with interface for mobile telephone -R265-

A - 4-pin connector -T4h-

B - 2-pin connector

- ☐ Two-way signal amplifier for mobile telephone/data services -J984-
- ☐ GSM aerial



Connector assignment for storage compartment with interface for mobile telephone -R265-

-T4h- (A)	Designation
1	Kl.30
2	Kl.30
3	Control unit 1 for information electronics -J794-
4	Kl.31

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1.22 Multifunction steering wheel control unit -J453-

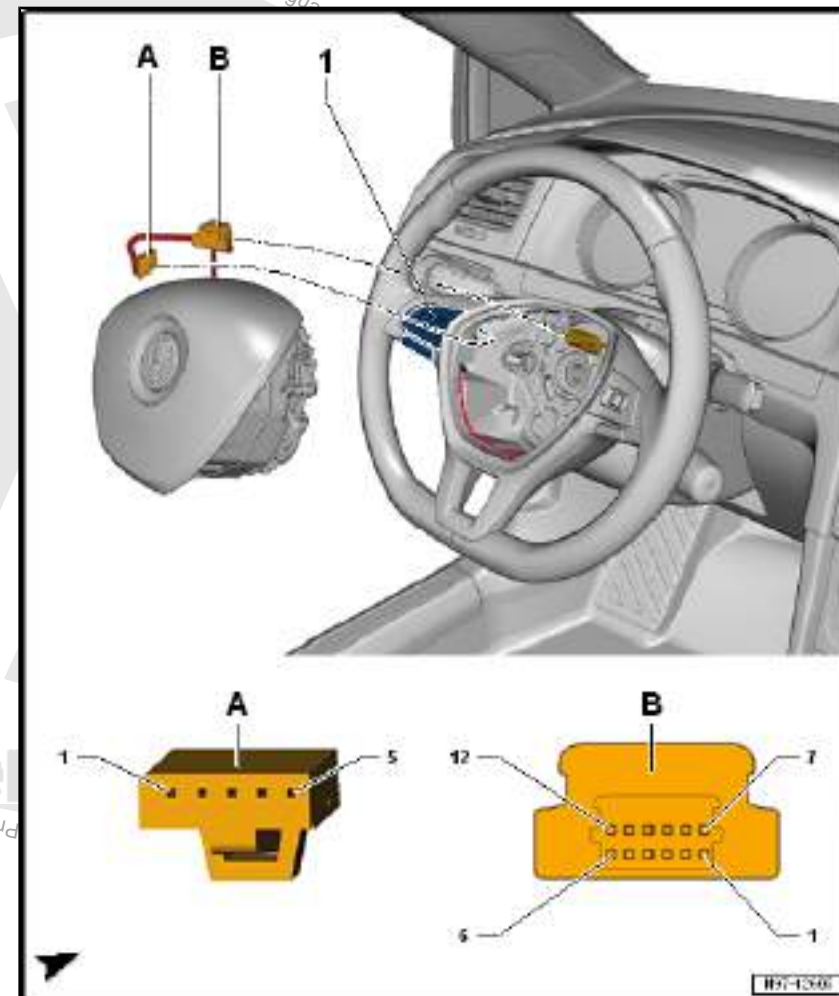
Fitting location:

Inside the operating unit of the multifunction buttons on left in steering wheel -E440-

1 - Multifunction steering wheel control unit -J453-

A - 5-pin connector -T5k-

B - 12-pin connector -T12k-



Connector assignment, multifunction steering wheel control unit -J453-

-T5k- (A)	Designation		-T12k- (B)	Designation
1	Terminal 31		1	
2	Terminal 30		2	
3	LIN bus		3	Driver side airbag igniter -N95-, +
4			4	Driver side airbag igniter -N95-, -
5	Steering column electronics control unit -J527-		5	

-T5k- (A)	Designation		-T12k- (B)	Designation
			6	
			7	Terminal 31
			8	Horn plate -H-
			9	LIN bus
			10	Terminal 30
			11	Multifunction steering wheel control unit -J453-
			12	

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1.23 Driver door control unit -J386-

Fitting location:

In driver door.

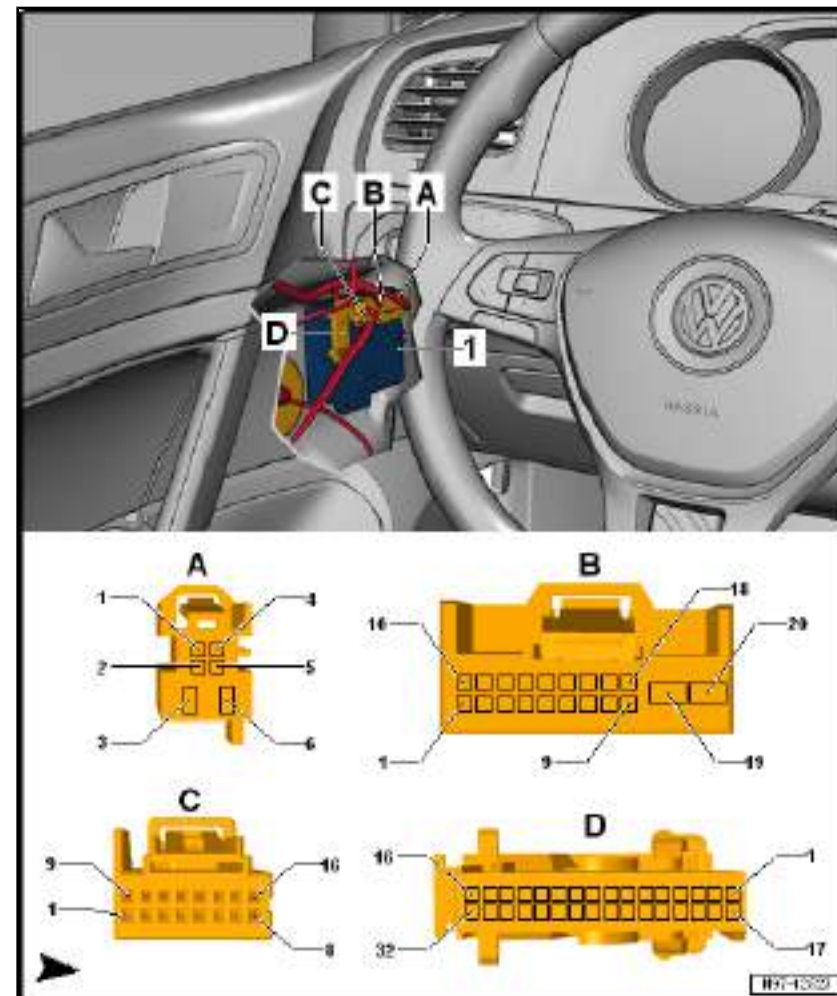
1 - Driver door control unit -J386-

A - 6-pin connector -T6o-

B - 20-pin connector -T20a-

C - 16-pin connector -T16a-

D - 32-pin connector -T32a-



Connector assignment, driver door control unit -J386-

-T6o- (A)	Designation	-T20a- (B)	Designation	-T16a- (C)	Designation	-T32a- (D)	Designation
1		1	Driver side contact switch in lock cylinder -F241-	1	Driver side entry light in exterior mirror -W52-	1	Central locking SAFELOCK function warning lamp -K133-
2		2		2		2	

-T6o- (A)	Designation	-T20a- (B)	Designation	-T16a- (C)	Designation	-T32a- (D)	Designation
3	Left window regulator motor -V14-	3		3	Heated exterior mirror on driver side -Z4- Driver side turn signal repeater bulb -L131-	3	Light for driver door ambient lighting -W86- Light for driver side interior door handle illumination -L219-
4		4		4	Driver side exterior mirror -VX4-	4	KI.58
5		5	Driver door contact switch -F2-	5	Driver side mirror adjustment motor -V17- Driver side mirror adjustment motor -V149-	5	Terminal 31
6	Left window regulator motor -V14-	6	Driver door central locking actuator for SAFELOCK function -F243-	6		6	
		7		7	Driver side mirror adjustment motor -V17-	7	
		8		8	Driver side mirror adjustment motor -V149-	8	Light for driver door ambient lighting -W86-
		9		9	Driver side fold-in mirror motor -V121-	9	
		10	LIN bus	10	Driver side fold-in mirror motor -V121-	10	
		11	Driver door lock unit -VX21-	11	Driver side turn signal repeater bulb -L131-	11	
		12	Driver door central locking SAFELOCK function motor -V161-	12		12	
		13	Driver door central locking motor -V56-	13	Driver side exterior mirror -VX4-	13	Driver side interior locking button for central locking system -E308-
		14	(B507) Connection (convenience CAN bus, low) in interior wiring harness	14	Driver side exterior mirror -VX4-	14	
		15	(B506) Connection (convenience CAN bus, high) in interior wiring harness	15	Heated exterior mirror on driver side -Z4-	15	
		16		16	Driver side exterior mirror -VX4-	16	Light conductor for front left sill panel moulding ambient lighting -W67-
		17				17	
		18				18	
		19	Terminal 30			19	

-T60- (A)	Designation	-T20a- (B)	Designation	-T16a- (C)	Designation	-T32a- (D)	Designation
		20	Terminal 31			20	
						21	
						22	
						23	
						24	Exterior mirror adjuster -EX11-
						25	Exterior mirror adjuster -EX11-
						26	
						27	Childproof lock button -E318-
						28	Driver side interior locking button for central locking system -E308-
						29	Rear passenger side window regulator button -E713-
						30	Rear driver side window regulator button -E711-
						31	Front passenger side window regulator button -E716-
						32	Front driver side window regulator button -E710-

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1.24 Massage control unit -J740-

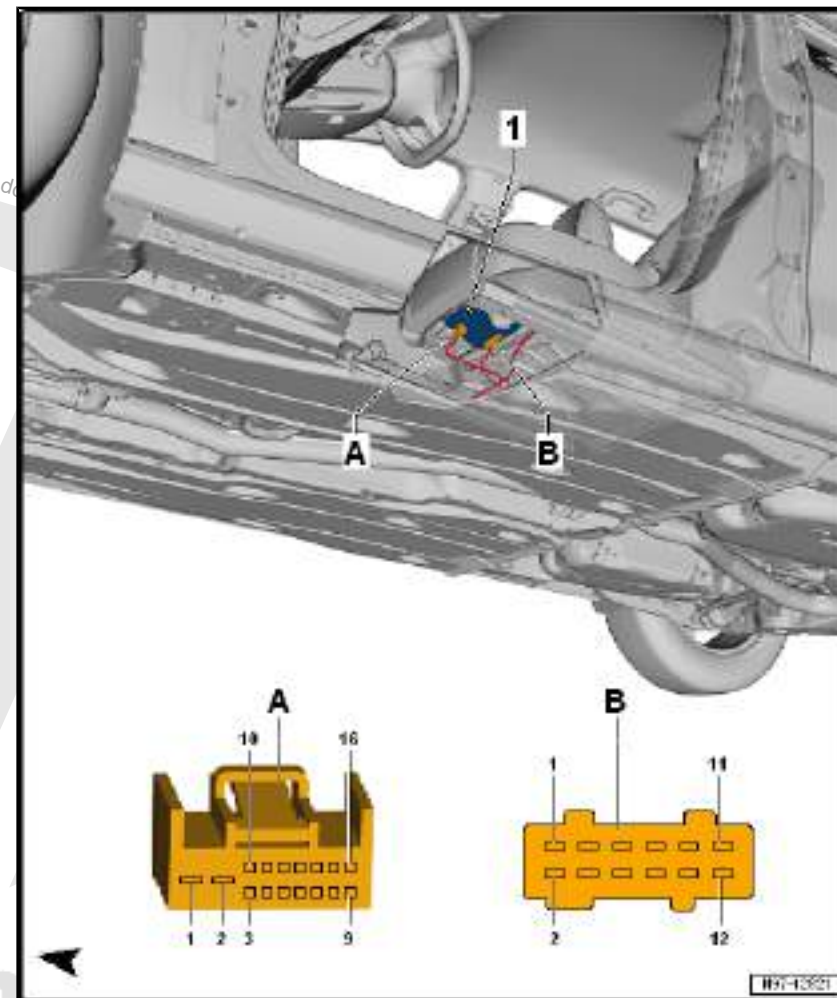
Fitting location:

On driver seat.

1 - Massage control unit -J740-

A - 16-pin connector -T16w-

B - 12-pin connector -T12an-



Connector assignment of massage control unit -J740-

-T16w- (A)	Designation		-T12an- (B)	Designation
1			1	
2			2	
3			3	
4	Lumbar support longitudinal adjustment sender -G375-		4	
5			5	

-T16w- (A)	Designation		-T12an- (B)	Designation
6	Lumbar support height adjustment sender -G374-		6	
7	Driver seat lumbar support adjustment switch -E176-		7	
8	Driver seat lumbar support adjustment switch -E176-		8	
9	Driver seat lumbar support adjustment switch -E176- , Massage function button -E337-		9	
10			10	
11	Driver seat lumbar support longitudinal adjustment motor -V125-		11	Kl.30
12	Lumbar support longitudinal adjustment sender -G375- , Lumbar support height adjustment sender -G374-		12	Kl.31
13	Driver seat lumbar support longitudinal adjustment motor -V125-			
14	Massage function button -E337-			
15	Driver seat lumbar support height adjustment motor -V129-			
16	Driver seat lumbar support height adjustment motor -V129-			

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1.25 Driver seat adjustment control unit -J810-

1.25.1 Driver seat adjustment control unit -J810- , only left-hand drive models

Fitting location:

in left seat.

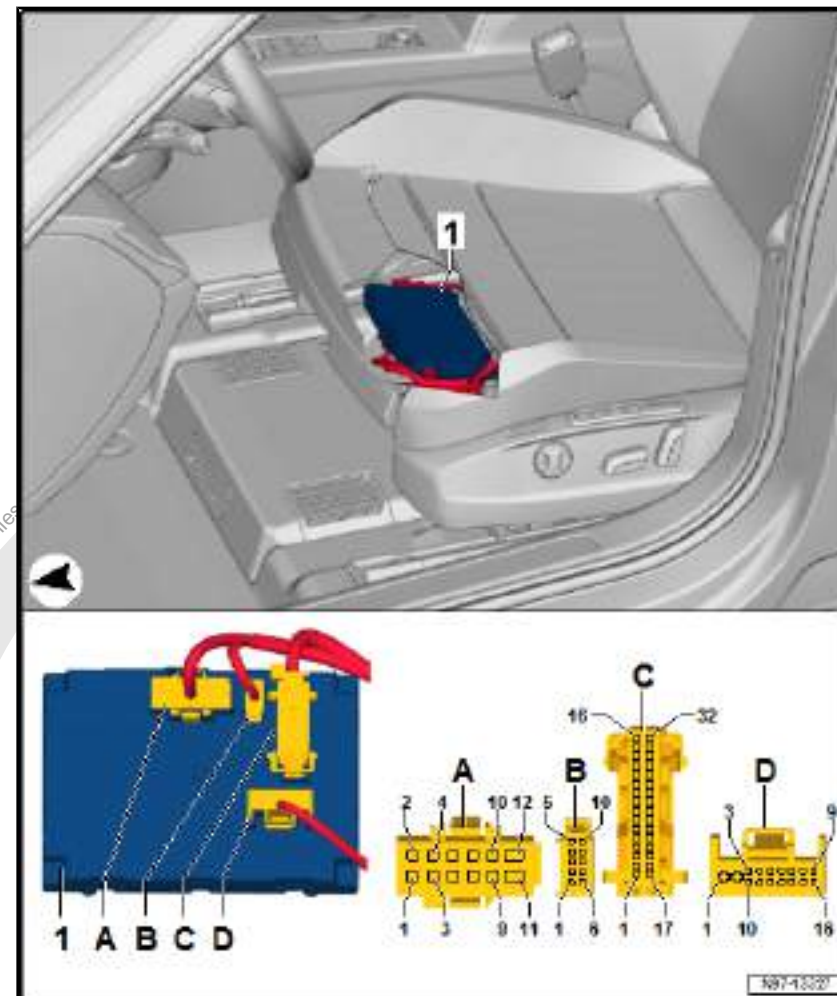
1 - Driver seat adjustment control unit -J810-

A - 12-pin connector -T12an-, black

B - 10-pin connector -T10mw-, black

C - 32-pin connector -T32j-, grey

D - 16-pin connector -T16ad-, black



Connector assignment of driver seat adjustment control unit -J810-

- T12an- (A)	Designation	- T10mw (B)	Designation	-T32j- (C)	Designation	- T16ad- (D)	Designation
1	Driver seat backrest adjustment motor -V45-	1	Longitudinal adjustment sender for driver seat -G218- Backrest adjustment sender for driver seat -G219- Driver seat rake adjustment sender -G232- Seat height adjustment sender -G503-	1		1	
2		2		2		2	
3	Driver seat height adjustment motor -V138-	3		3		3	
4		4		4		4	Lumbar support longitudinal adjustment sender -G375-
5	Driver seat longitudinal adjustment motor -V28-	5		5		5	
6	Driver seat backrest adjustment motor -V45-	6		6	Driver seat lumbar support adjustment switch -E176- ♦ Lumbar support height adjustment button -E335-	6	Lumbar support height adjustment sender -G374-
7	Driver seat rake adjustment motor -V243-	7	Backrest adjustment sender for driver seat -G219-	7	Driver seat lumbar support adjustment switch -E176- ♦ Lumbar support longitudinal adjustment button -E336-	7	
8	Driver seat height adjustment motor -V138-	8	Seat height adjustment sender -G503-	8		8	
9	Driver seat longitudinal adjustment motor -V28-	9	Driver seat rake adjustment sender -G232-	9		9	
10	Driver seat rake adjustment motor -V243-	10	Longitudinal adjustment sender for driver seat -G218-	10	Operating unit for front left seat adjustment -EX33- Driver seat lumbar support adjustment switch -E176-	10	
11	Terminal 30			11	Operating unit 2 for front left seat adjustment -EX38- ♦ Seat memory position button 2 -E219-	11	Driver seat lumbar support longitudinal adjustment motor -V125-



- T12an- (A)	Designation	- T10mw (B)	Designation	-T32j- (C)	Designation	- T16ad- (D)	Designation
12	Terminal 31			12	Operating unit 2 for front left seat adjustment -EX38- ◆ Seat memory position button 1 -E218-	12	Lumbar support height adjustment sender -G374- Lumbar support longitudinal adjustment sender -G375-
				13		13	Driver seat lumbar support longitudinal adjustment motor -V125-
				14		14	
				15	B407 Connection 2 (convenience CAN bus, low) in main wiring harness	15	Driver seat lumbar support height adjustment motor -V129-
				16	B398 Connection 2 (convenience CAN bus, high) in main wiring harness	16	Driver seat lumbar support height adjustment motor -V129-
				17			
				18			
				19			
				20			
				21			
				22	Operating unit for front left seat adjustment -EX33- ◆ Backrest adjustment button -E425-		
				23	Operating unit for front left seat adjustment -EX33- ◆ Seat height adjustment button -E424-		
				24	Operating unit for front left seat adjustment -EX33- ◆ Rake adjustment button -E421-		
				25	Operating unit for front left seat adjustment -EX33- ◆ Seat longitudinal adjustment button -E418-		
				26			

- T12an- (A)	Designation	- T10mw (B)	Designation	-T32j- (C)	Designation	- T16ad- (D)	Designation
				27	Operating unit 2 for front left seat adjustment -EX38- ♦ Seat position memory button -E447-		
				28	Operating unit 2 for front left seat adjustment -EX38- ♦ Seat memory position button 3 -E220-		
				29			
				30			
				31			
				32			

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1.25.2 Driver seat adjustment control unit -J810- , only right-hand drive models

Fitting location:

in right seat.



Note

The illustration shows the left-hand drive version.

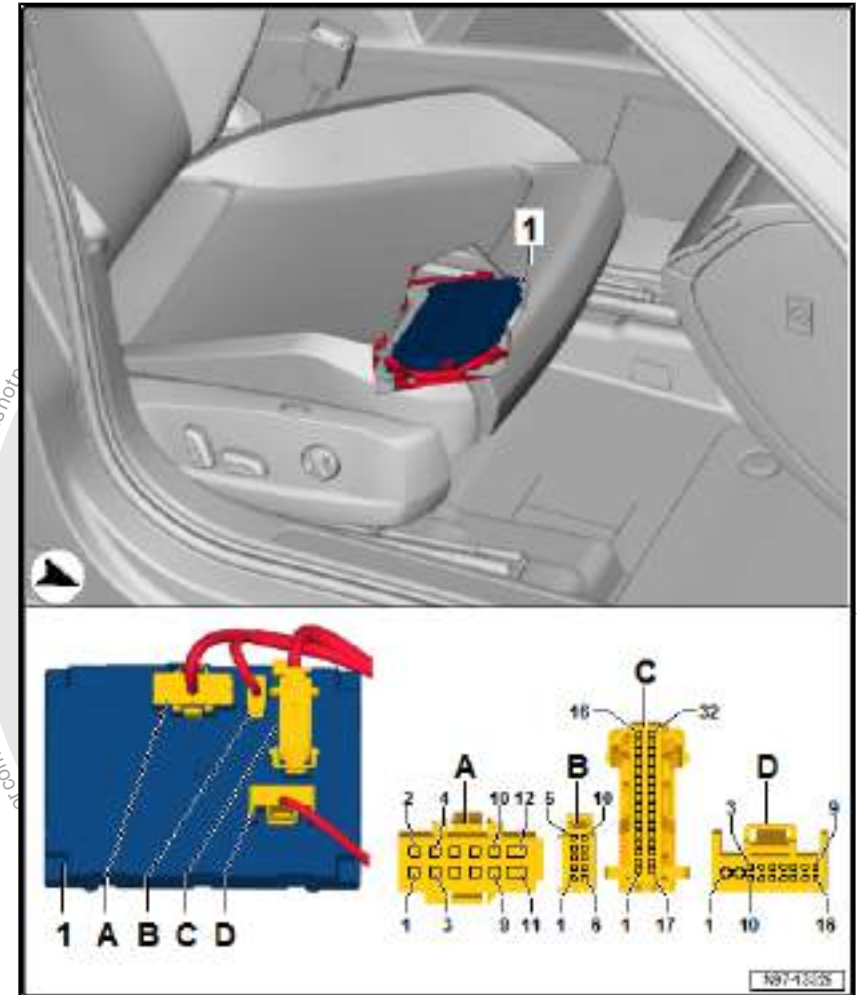
1 - Driver seat adjustment control unit -J810-

A - 12-pin connector -T12at- , black

B - not assigned

C - 32-pin connector -T32k- , grey

D - 16-pin connector -T16ae- , black



Connector assignment of driver seat adjustment control unit -J810-

-T12at- (A)	Designation	-T32k- (C)	Designation	-T16ae- (D)	Designation
1	Driver seat backrest adjustment motor -V45-	1		1	
2		2		2	
3	Driver seat height adjustment motor -V138-	3		3	

-T12at- (A)	Designation	-T32k- (C)	Designation	-T16ae- (D)	Designation
4		4		4	Lumbar support longitudinal adjustment sender -G375-
5	Driver seat longitudinal adjustment motor -V28-	5		5	
6	Driver seat backrest adjustment motor -V45-	6	Driver seat lumbar support adjustment switch -E176- ♦ Lumbar support height adjustment button -E335-	6	Lumbar support height adjustment sender -G374-
7	Driver seat rake adjustment motor -V243-	7	Driver seat lumbar support adjustment switch -E176- ♦ Lumbar support longitudinal adjustment button -E336-	7	
8	Driver seat height adjustment motor -V138-	8		8	
9	Driver seat longitudinal adjustment motor -V28-	9		9	
10	Driver seat rake adjustment motor -V243-	10	Operating unit for front right seat adjustment -EX34- Driver seat lumbar support adjustment switch -E176-	10	
11	Terminal 30	11	Operating unit 2 for front left seat adjustment -EX38- ♦ Seat memory position button 2 -E219-	11	Driver seat lumbar support longitudinal adjustment motor -V125-
12	Terminal 31	12	Operating unit 2 for front left seat adjustment -EX38- ♦ Seat memory position button 1 -E218-	12	Lumbar support height adjustment sender -G374- Lumbar support longitudinal adjustment sender -G375-
		13		13	Driver seat lumbar support longitudinal adjustment motor -V125-
		14		14	
		15	(B407) Connection 2 (convenience CAN bus, low) in main wiring harness	15	Driver seat lumbar support height adjustment motor -V129-
		16	(B398) Connection 2 (convenience CAN bus, high) in main wiring harness	16	Driver seat lumbar support height adjustment motor -V129-
		17			
		18			
		19			

-T12at- (A)	Designation	-T32k- (C)	Designation	-T16ae- (D)	Designation
		20			
		21			
		22	Operating unit for front right seat adjustment -EX34- ♦ Backrest adjustment button -E425-		
		23	Operating unit for front right seat adjustment -EX34- ♦ Seat height adjustment button -E424-		
		24	Operating unit for front right seat adjustment -EX34- ♦ Rake adjustment button -E421-		
		25	Operating unit for front right seat adjustment -EX34- ♦ Seat longitudinal adjustment button -E418-		
		26			
		27	Operating unit 2 for front right seat adjustment -EX39- ♦ Seat position memory button -E447-		
		28	Operating unit 2 for front right seat adjustment -EX39- ♦ Seat memory position button 3 -E220-		
		29			
		30			
		31			
		32			

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1.26 Digital sound package control unit -J525-

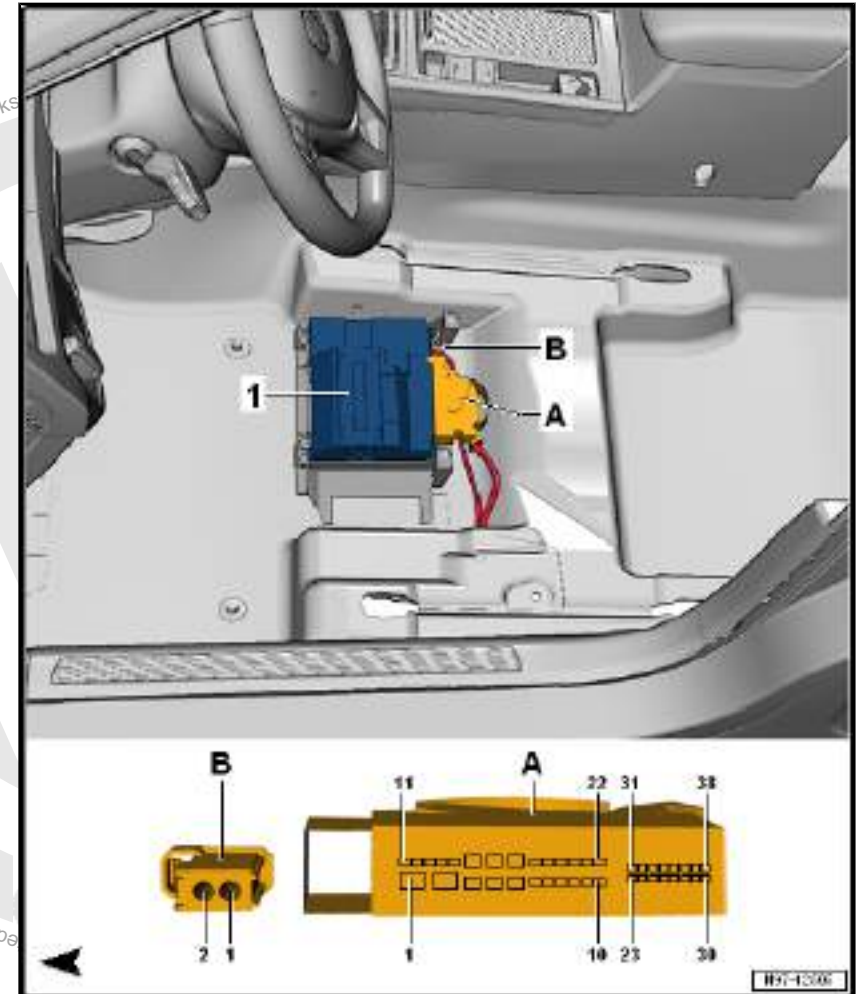
Fitting location:

Under driver seat.

A - Digital sound package control unit -J525-

A - 38-pin connector -T38-

B - 2-pin connector -T2ed-



Connector assignment, digital sound package control unit -J525-

-T38- (A)	Designation		-T38- (A)	Designation
1	Terminal 30		20	Rear right bass loudspeaker -R17- , -
2	Terminal 31		21	Front right bass loudspeaker -R23- , +
3	Front left bass loudspeaker -R21- , -		22	
4	Subwoofer -R211- , -		23	

-T38-(A)	Designation		-T38-(A)	Designation
5	Subwoofer -R211- , -		24	
6	Front right treble loudspeaker -R22- , -		25	
7	Rear left bass loudspeaker -R15- , +		26	
8	Rear right bass loudspeaker -R17- , +		27	
9	Front right bass loudspeaker -R23- , -		28	
10			29	
11	Front left treble loudspeaker -R20- , +		30	
12	Front left treble loudspeaker -R20- , -		31	Rear left treble loudspeaker -R14- , +
13			32	Rear left treble loudspeaker -R14- , -
14			33	Rear right treble loudspeaker -R16- , +
15	Front left bass loudspeaker -R21- , +		34	Rear right treble loudspeaker -R16- , -
16	Subwoofer -R211- , +		35	
17	Subwoofer -R211- , +		36	
18	Front right treble loudspeaker -R22- , +		37	
19	Rear left bass loudspeaker -R15- , -		38	Control unit 1 for information electronics -J794-

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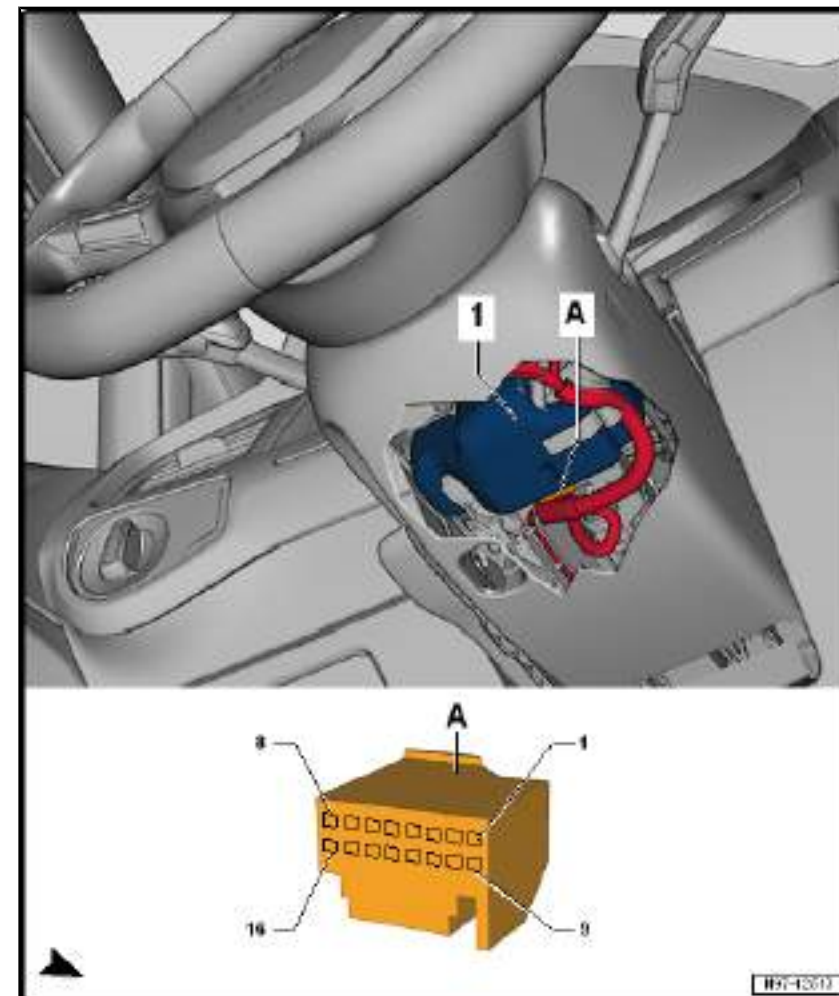
1.27 Control unit for electronic steering column lock -J764-

Fitting location:

On steering column.

1 - Control unit for electronic steering column lock -J764-

A - 16-pin connector -T16s-



Connector assignment of control unit for electronic steering column lock -J764-

-T16s- (A)	Designation	-T16s- (A)	Designation
1		9	
2	Terminal 30	10	Kl.31
3		11	
4	Starter button -E378-	12	Engine control unit -J623- , terminal 50
5		13	Starter button -E378-

-T16s- (A)	Designation		-T16s- (A)	Designation
6	Onboard supply control unit -J519- , terminal 15		14	Selector lever -E313-
7	Onboard supply control unit -J519- , terminal S		15	(B507) Connection (convenience CAN bus, low) in interior wiring harness
8	Onboard supply control unit -J519- , terminal 15		16	(B506) Connection (convenience CAN bus, high) in interior wiring harness

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1.28 Control unit in dash panel insert -J285-

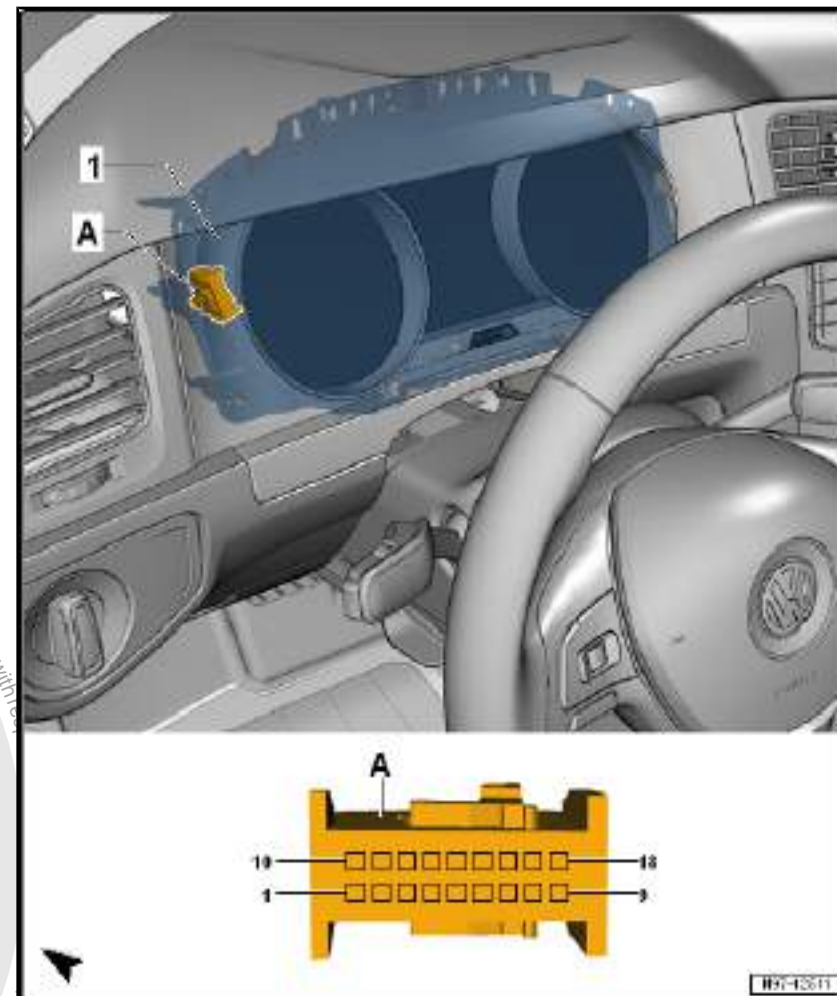
Fitting location:

In the dash panel.





1 - Control unit in dash panel insert -J285-

A - 18-pin connector -T18-



Connector assignment, control unit in dash panel insert -J285-

-T18- (A)	Designation	-T18- (A)	Designation
1	Terminal 30	10	Terminal 31
2		11	Fuel gauge sender -G- , terminal 31
3		12	Fuel gauge sender for auxiliary fuel tank -G292-
4		13	Fuel gauge sender for auxiliary fuel tank -G292-

-T18- (A)	Designation		-T18- (A)	Designation
5			14	Fuel gauge sender -G-
6			15	Fuel gauge sender -G- I
7	Parking brake pressure switch -F234-		16	
8	Immobiliser reader coil -D2-		17	 Connection (convenience CAN bus, low) in interior wiring harness
9	Immobiliser reader coil -D2-		18	 Connection (convenience CAN bus, high) in interior wiring harness

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1.29 Onboard supply control unit -J519-

Fitting location:

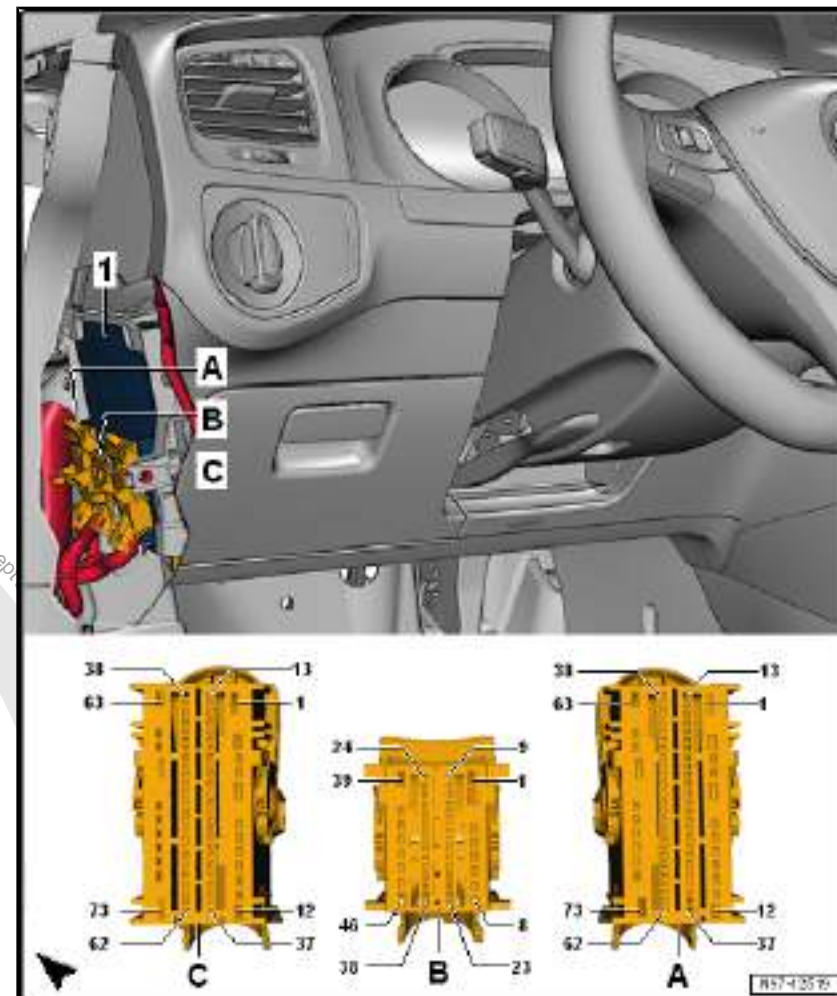
Behind dash panel on left.

1 - Onboard supply control unit -J519-

A - 73-pin connector -T73a-

B - 46-pin connector -T46b-

C - 73-pin connector -T73c-



Connector assignment, onboard supply control unit -J519-

-T73a- (A)	Designation	-T46b- (B)	Designation	-T73c- (C)	Designation
1	Terminal 30 ◆ Seat heating	1	Right headlight dipped beam bulb -M31-	1	Terminal 30 ◆ Left light supply
2	Heated driver seat -Z6-	2	Right headlight main beam bulb -M32- Right static cornering light -M52-	2	

-T73a- (A)	Designation	-T46b- (B)	Designation	-T73c- (C)	Designation
3	Fuel tank filler flap central locking actuator -F219- -	3		3	Bulb 2 for rear right turn signal -M81-
4	Fuel tank filler flap central locking actuator -F219- +	4	Left daytime running light bulb -L174-	4	Terminal 30 ♦ Anti-theft alarm system
5	Heated seat cushion for front passenger seat -Z8-	5	Right fog light bulb -L23- Right static cornering light -M52-	5	Left headlight dipped beam bulb -M29-
6	Rear right door central locking motor, lock -V215-	6		6	Left tail light bulb -M4- Right tail light bulb -M2-
7	Rear right door central locking motor, lock -V215-	7	Washer pump -V5-	7	
8		8	Washer pump -V5-	8	Right brake and tail light bulb -M22-
9	Rear lid central locking motor -V53-	9	Left washer jet heater element -Z20- Right washer jet heater element -Z21-	9	Bulb 2 for rear left turn signal -M80-
10		10	Front left side marker bulb -M33-	10	Left brake and tail light bulb 2 -M58-
11		11	Reversing light switch -F4-	11	Left reversing light bulb -M16-
12	Term. 31	12	Front right brake pad wear sender -G35-	12	Terminal 30 ♦ Interior light
13	Terminal 15 voltage supply relay -J329-	13	Brake fluid level warning contact -F34-	13	
14	Terminal 15	14	Front lid contact switch -F387-	14	Interface for entry and start system -J965-
15	Sliding sunroof adjustment control unit -J245- , LIN bus	15		15	Light switch -E1- ♦ Dipped beam position
16	(B506) Connection (convenience CAN bus, high) in interior wiring harness	16	Coolant shortage indicator sender -G32-	16	Light switch -E1- ♦ Automatic headlight control position
17	(B507) Connection (convenience CAN bus, low) in interior wiring harness	17		17	
18		18		18	
19		19	Ambient temperature sensor -G17- , - Coolant shortage indicator sender -G32- , - Windscreen washer fluid level sender -G33- , -	19	
20		20	Front right turn signal bulb -M7-	20	
21		21	Right side light bulb -M3- Front right side marker bulb -M34-	21	Driving mode selection button -E735-
22	Rear left vehicle level sender -G76- ¹⁾	22	Front right headlight -MX2- ♦ Xenon shutter	22	

-T73a- (A)	Designation	-T46b- (B)	Designation	-T73c- (C)	Designation
23	Rear left vehicle level sender -G76- 1)	23	Front left headlight -MX1- ◆ Xenon shutter	23	
24		24	Horn relay -J413-	24	Heated rear window relay -J9-
25		25		25	
26		26	Heated rear window relay -J9-	26	
27		27	Ambient temperature sensor -G17-	27	
28		28	Windscreen washer fluid level sender -G33-	28	Rain and light sensor -G397-
29	Rotary light switch -EX1- ◆ Fog lights ◆ Rear fog light	29		29	
30		30	Wiper motor control unit -J400-	30	
31	Tank flap release -EX13-	31	Alarm horn -H12-	31	Rear right turn signal bulb -M8-
32	Rear lid handle release button -E234-	32	Right daytime running light bulb -L175-	32	Button for deactivating interior monitoring and vehicle inclination sensor -E616-
33	Rear right door central locking actuator for SAFELOCK function -F246-	33		33	
34		34		34	Driving mode selection button -E735-
35	Rear left door central locking actuator for SAFELOCK function -F245-	35		35	
36	Rear left door central locking motor, lock -V214- , safe +	36	Front left turn signal bulb -M5-	36	
37	Rear right door central locking motor, lock -V215- , safe +	37		37	
38		38		38	
39		39	Left headlight main beam bulb -M30- Left static cornering light -M51-	39	
40		40		40	Front right seat temperature sender -G345-
41		41		41	
42		42		42	Indicator lamp for hazard warning light -K6-
43	Light switch -E1-	43		43	Front left seat temperature sender -G344-
44	Ignition/starter switch -D- , terminal 15	44		44	
45		45	Left fog light bulb -L22- Left static cornering light -M51-	45	

-T73a- (A)	Designation	-T46b- (B)	Designation	-T73c- (C)	Designation
46	Rotary light switch -EX1- , 0 position	46	Headlight washer system pump -V11-	46	
47	Ignition/starter switch -D- , terminal 15			47	
48	Rear right door contact switch -F11-			48	Indicator lamp for hazard warning light -K6-
49				49	
50	Rear left door contact switch -F10-			50	
51	Button for deactivating interior monitoring and vehicle inclination sensor -E616-			51	Start/Stop operation button -E693-
52	Rear lid lock unit -F256-			52	
53	Rear lid lock unit -F256-			53	
54	Steering column electronics control unit -J527-			54	
55	Headlight range control and instrument illumination regulator -EX14-			55	
56				56	Front left seat temperature sender -G344- Front right seat temperature sender -G345-
57	High-level brake light bulb -M25-			57	Rear left vehicle level sender -G76- ¹⁾
58				58	Brake light switch -F-
59	Left number plate light -X4- Right number plate light -X5-			59	
60	Rear left turn signal bulb -M6-			60	Start/Stop operation button -E693-
61	Rear window wiper motor -V12-			61	
62	Rear window wiper motor -V12-			62	Kl.58d
63	Terminal 31			63	Terminal 31
64	Right reversing light bulb -M17-			64	
65	Right tail light bulb -M2-			65	
66	Terminal 30 ♦ Right light supply			66	
67				67	Front interior light -WX1-
68	Rear left door central locking motor, lock -V214-			68	
69	Rear left door central locking motor, lock -V214-			69	
70				70	
71	Left brake and tail light bulb -M21-			71	

-T73a- (A)	Designation	-T46b- (B)	Designation	-T73c- (C)	Designation
72	Rear left fog light bulb -L46- Rear right fog light bulb -L47-			72	Front left footwell light -K268- Front right footwell light -K269-
73	Terminal 30 ♦ Central locking supply			73	Terminal 30

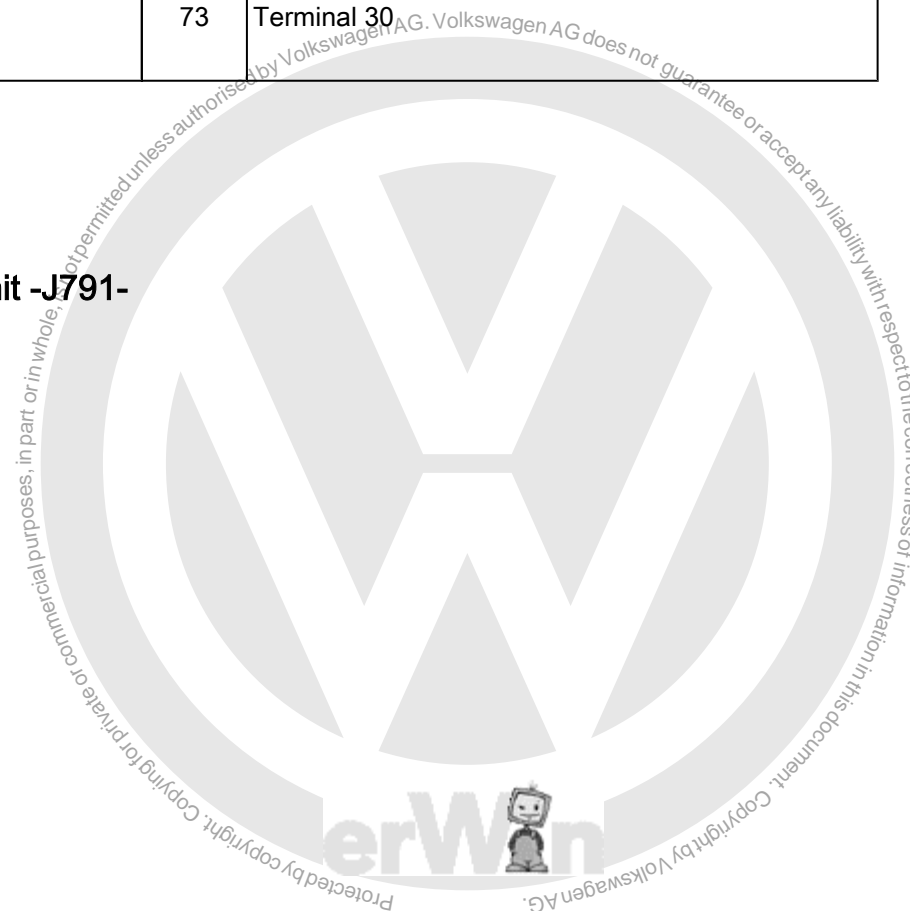
1) According to equipment

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1.30 Parking aid control unit -J446- / park assist steering control unit -J791-

Fitting location:

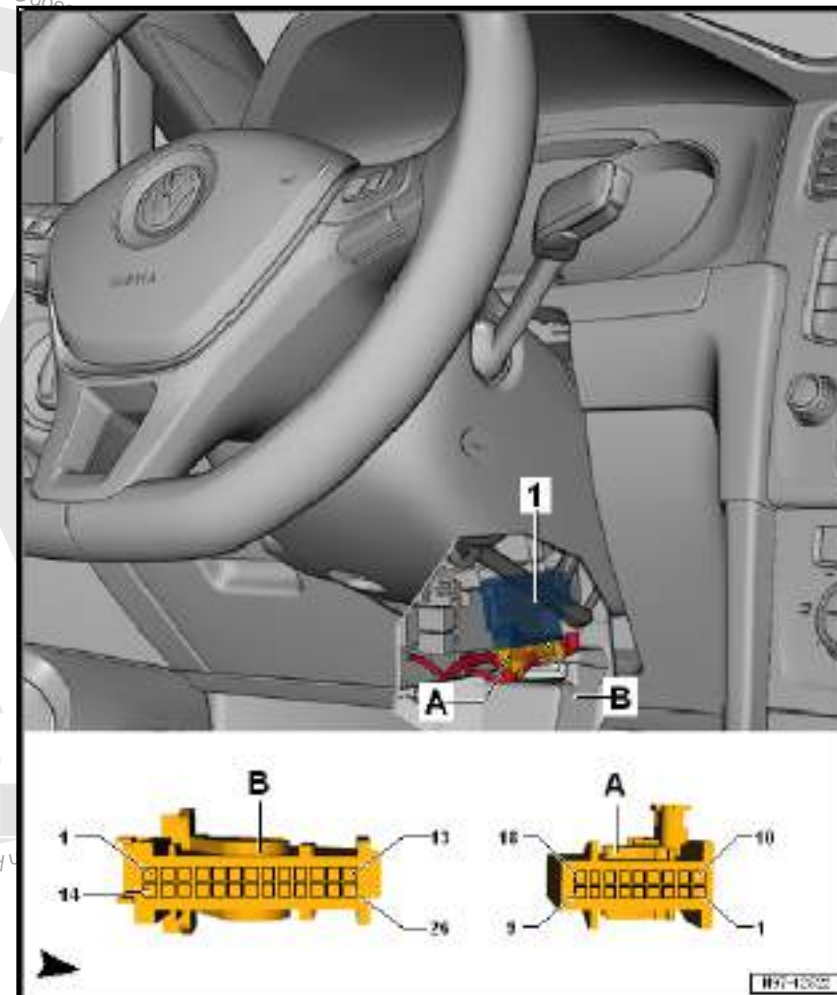
Behind dash panel on driver side.



1 - Parking aid control unit -J446- / park assist steering control unit -J791-

A - 18-pin connector -T18k-



B - 26-pin connector -T26i-



Connector assignment of parking aid control unit -J446- / park assist steering control unit -J791-

-T18k- (A)	Designation	-T26i- (B)	Designation
1		1	
2	Front left sender for park assist steering on left side of vehicle -G568- , signal 2)	2	Front parking aid warning buzzer -H22- 1)
3	Front centre left parking aid sender -G254- , signal	3	Park assist steering button -E581-

-T18k- (A)	Designation	-T26i- (B)	Designation
4	Front right parking aid sender -G252- , signal	4	Warning light for park assist steering -K241-
5		5	
6		6	Rear left parking aid sender -G203- , signal
7		7	Rear centre right parking aid sender -G205- , signal
8		8	Rear right park assist steering sender -G717- , signal
9		9	Rear parking aid warning buzzer -H15- ¹⁾
10	Front right parking aid sender -G252- , terminal 31 Front centre right parking aid sender -G253- , terminal 31 Front centre left parking aid sender -G254- , terminal 31 Front left parking aid sender -G255- , terminal 31 Front left sender for park assist steering on left side of vehicle -G568- , terminal 31 ²⁾ Front right sender for park assist steering on right side of vehicle -G569- , terminal 31 ²⁾	10	Front parking aid warning buzzer -H22- ¹⁾
11	Front left parking aid sender -G255- , signal	11	
12	Front centre right parking aid sender -G253- , signal	12	
13	Front right sender for park assist steering on right side of vehicle -G569- , signal ²⁾	13	Terminal 31
14	Front right parking aid sender -G252- , terminal 15 Front centre right parking aid sender -G253- , terminal 15 Front centre left parking aid sender -G254- , terminal 15 Front left parking aid sender -G255- , terminal 15 Front left sender for park assist steering on left side of vehicle -G568- , terminal 15 ²⁾ Front right sender for park assist steering on right side of vehicle -G569- , terminal 15 ²⁾	14	Terminal 15
15		15	Rear parking aid warning buzzer -H15- ¹⁾
16		16	Parking aid button -E266-
17		17	Parking aid warning lamp -K136-
18		18	Rear left parking aid sender -G203- , terminal 15 Rear centre left parking aid sender -G204- , terminal 15 Rear centre right parking aid sender -G205- , terminal 15 Rear right parking aid sender -G206- , terminal 15 Rear left park assist steering sender -G716- , terminal 15 ²⁾ Rear right park assist steering sender -G717- , terminal 15 ²⁾
		19	Rear left park assist steering sender -G716- , signal ²⁾
		20	Rear centre left parking aid sender -G204- , signal
		21	Rear right parking aid sender -G206- , signal

-T18k-(A)	Designation	-T26i-(B)	Designation
		22	Rear left parking aid sender -G203- , terminal 31 Rear centre left parking aid sender -G204- , terminal 31 Rear centre right parking aid sender -G205- , terminal 31 Rear right parking aid sender -G206- , terminal 31 Rear left park assist steering sender -G716- , terminal 31 ²⁾ Rear right park assist steering sender -G717- , terminal 31 ²⁾
		23	 Connection (running gear sensors CAN bus, low) in main wiring harness
		24	 Connection (running gear sensors CAN bus, high) in main wiring harness
		25	
		26	

1) Only models with park assist steering

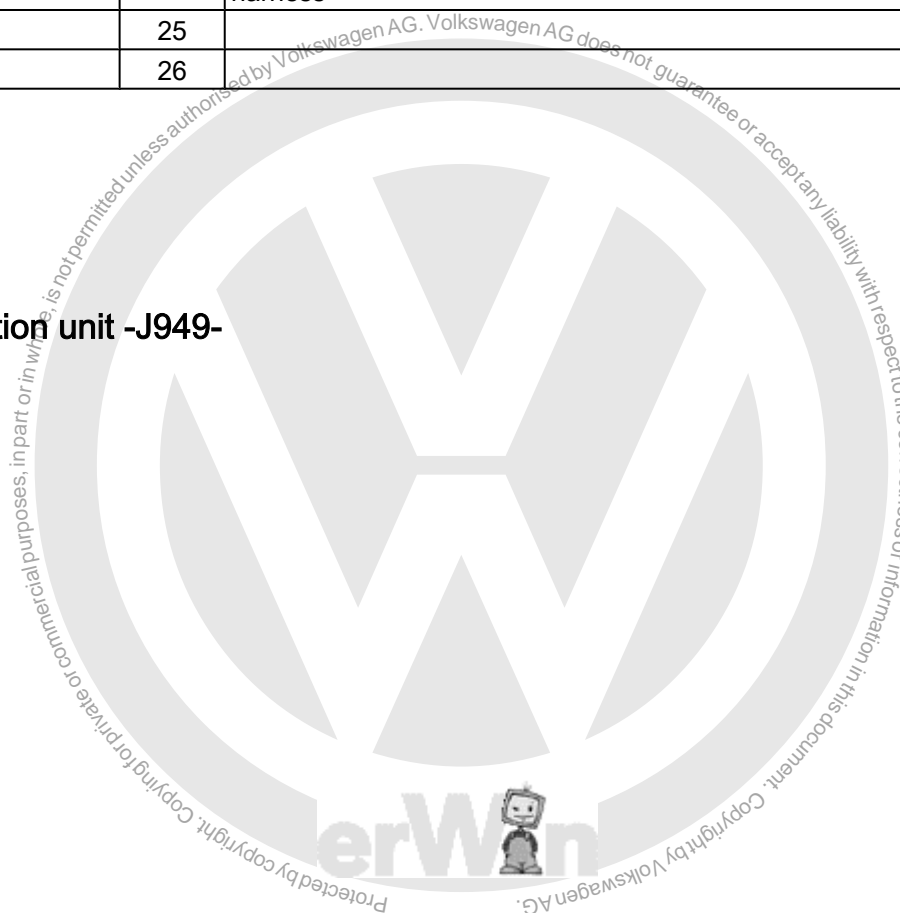
2) According to equipment

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1.31 Emergency call module control unit and communication unit -J949-

Fitting location:

behind dash panel insert -KX2-

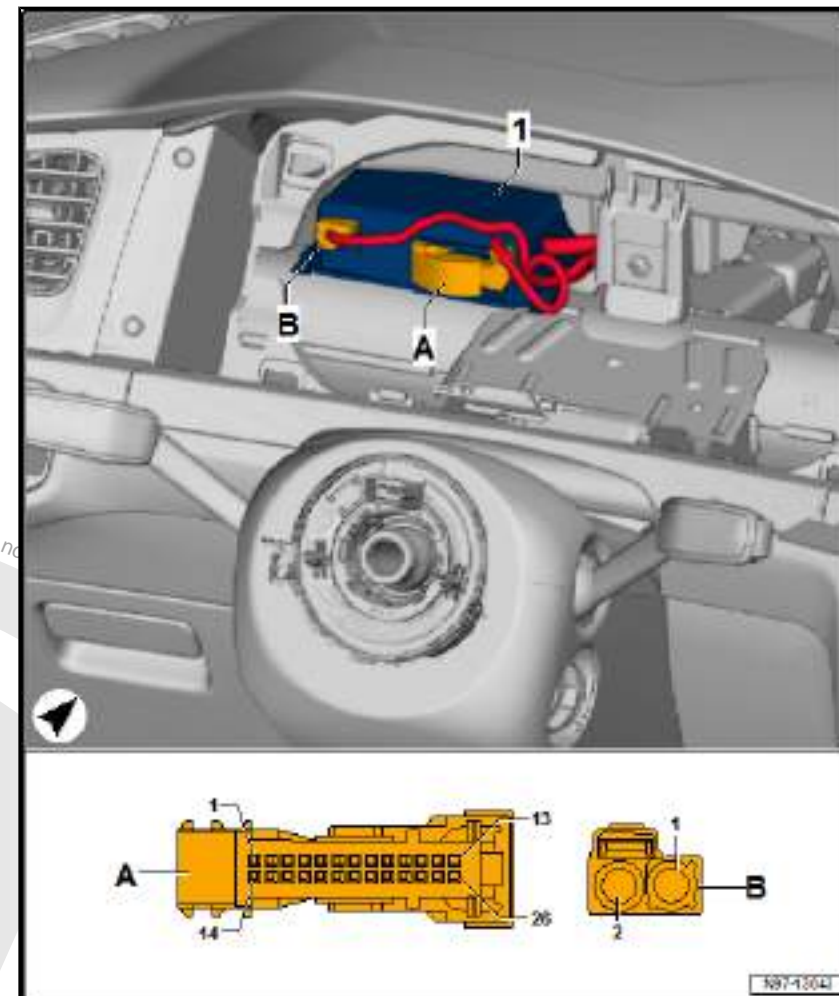


1 - Emergency call module control unit and communication unit -J949-

A - 26-pin connector -T26a-

B - 1) Emergency call module aerial -R263-

B - 2) GSM aerial -R205-



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Connector assignment of emergency call module control unit and communication unit -J949-

-T26a- (A)	Designation		-T26a- (A)	Designation
1	Terminal 30		14	B506 Connection (convenience CAN bus, high) in interior wiring harness
2	B507 Connection (convenience CAN bus, low) in interior wiring harness		15	

-T26a- (A)	Designation		-T26a- (A)	Designation
3			16	
4	Telephone microphone -R38-		17	Telephone microphone -R38-
5	Telephone microphone -R38-		18	Telephone microphone -R38-
6	Telematics button module -E734-		19	Telematics button module -E734-
7	Telematics button module -E734-		20	Telematics button module -E734-
8			21	
9			22	
10	Control unit 1 for information electronics -J794-		23	
11	Control unit 1 for information electronics -J794-		24	
12			25	
13			26	Terminal 31

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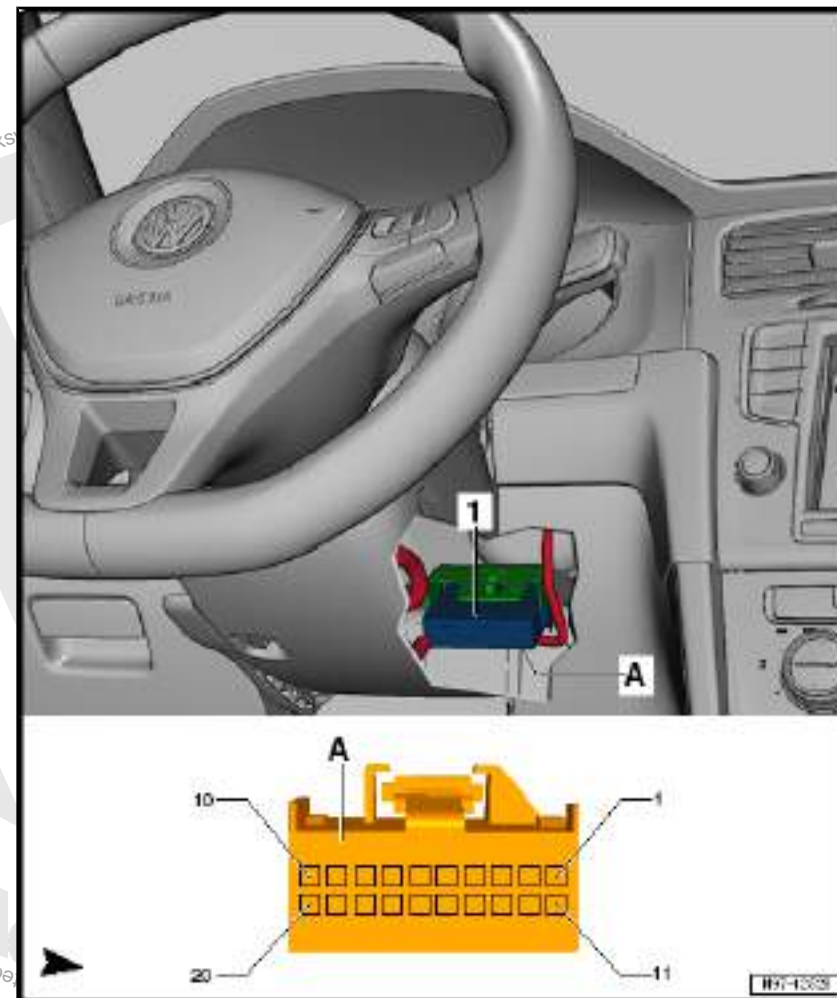
1.32 Data bus diagnostic interface -J533-

Fitting location:

Under the dash panel

1 - Data bus diagnostic interface -J533-

A - 20-pin connector -T20-



Connector assignment, data bus diagnostic interface -J533-

-T20- (A)	Designation		-T20- (A)	Designation
1	Terminal 30		11	Terminal 31
2	Terminal 30		12	Terminal 31
3	(A227) Connection 2 (LIN bus) in dash panel wiring harness		13	(B549) Connection 2 (LIN bus), in main wiring harness
4			14	Terminal 15

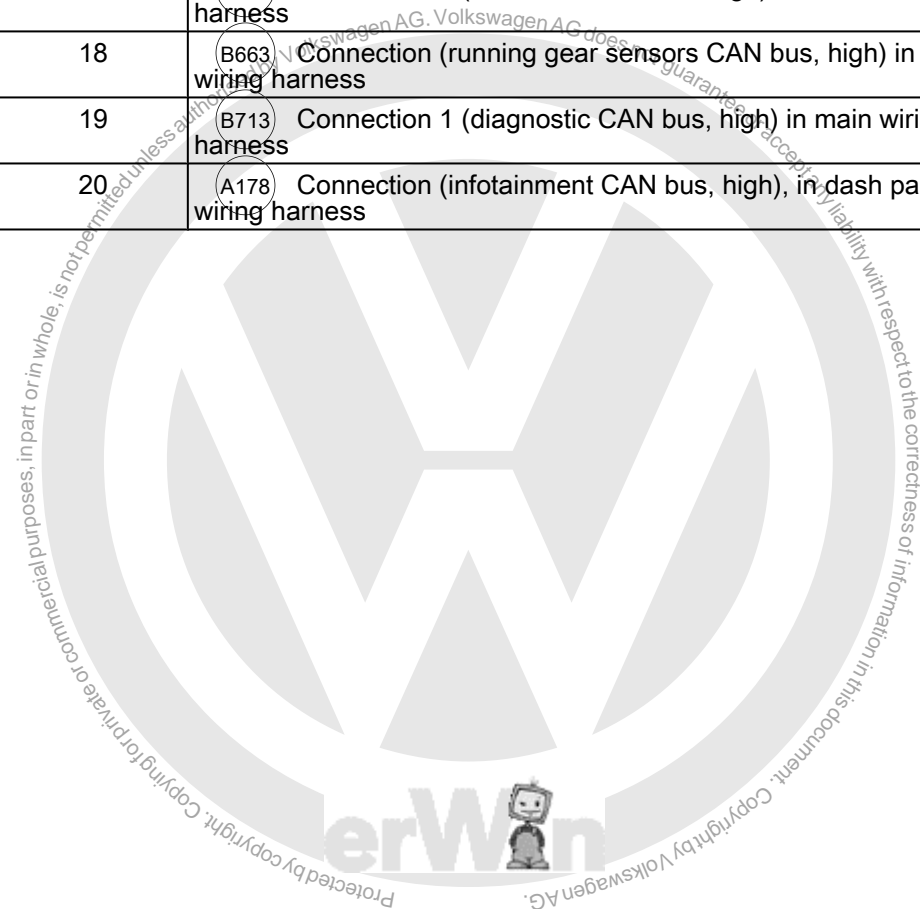
-T20- (A)	Designation		-T20- (A)	Designation
5	(B407) Connection 2 (convenience CAN bus, low) in main wiring harness		15	(B398) Connection 2 (convenience CAN bus, high) in main wiring harness
6	(B390) Connection 1 (powertrain CAN bus, low), in main wiring harness		16	(B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
7	(B109) Connection 1 (CAN bus extended, low) in main wiring harness		17	(B108) Connection 1 (CAN bus extended, high), in main wiring harness
8	(B664) Connection (running gear sensors CAN bus, low) in main wiring harness		18	(B663) Connection (running gear sensors CAN bus, high) in main wiring harness
9	(B714) Connection 1 (diagnostic CAN bus, low) in main wiring harness		19	(B713) Connection 1 (diagnostic CAN bus, high) in main wiring harness
10	(A179) Connection (infotainment CAN bus, low), in dash panel wiring harness		20	(A178) Connection (infotainment CAN bus, high), in dash panel wiring harness

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1.33 Airbag control unit -J234-

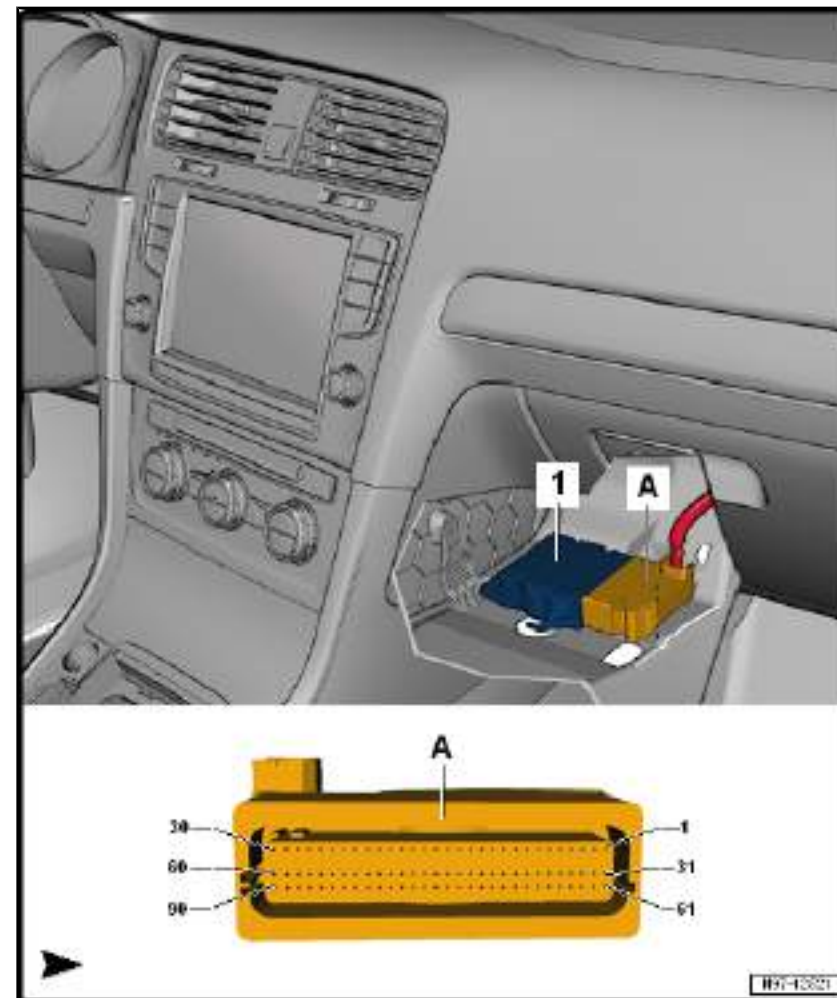
Fitting location:

Behind centre console.



1 - Airbag control unit -J234-

A - 90-pin connector -T90-



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1.34 Control unit for cornering light and headlight range control -J745-

1.34.1 Control unit for cornering light and headlight range control -J745- with 26-pin connector -T26-

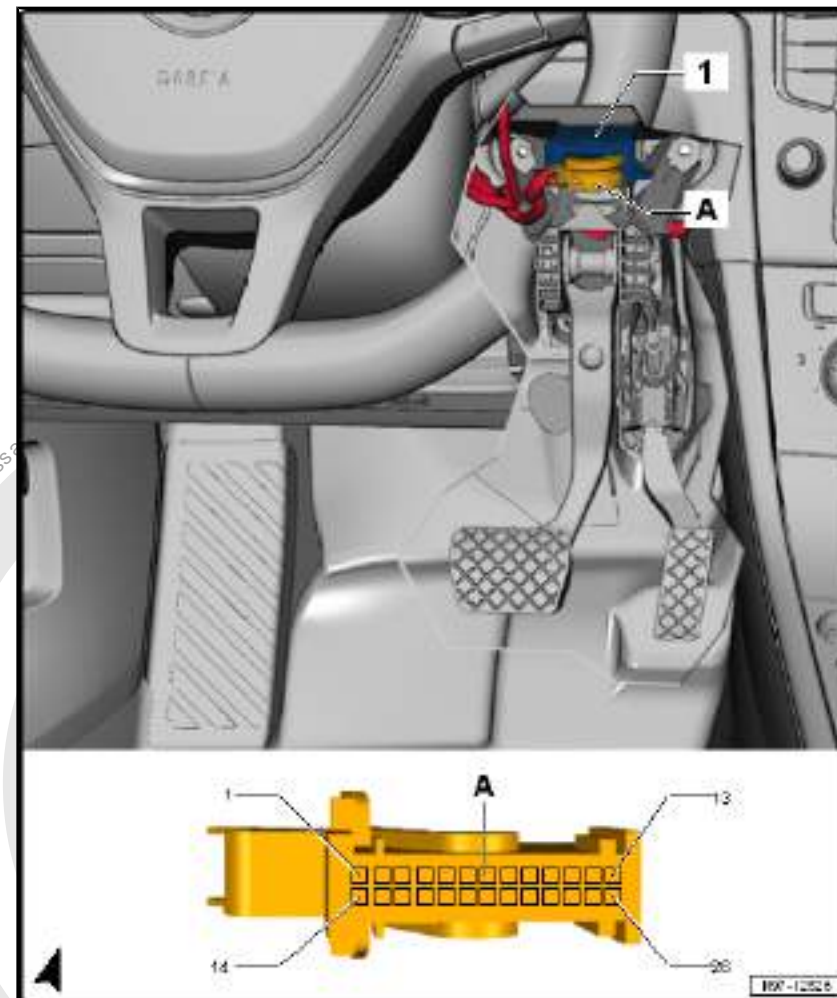
Fitting location:

Behind dash panel on driver side.





1 - Control unit for cornering light and headlight range control -J745-

A - 26-pin connector -T26h-



Connector assignment, control unit for cornering light and headlight range control -J745-



-T26h- (A)	Designation		-T26h- (A)	Designation
1			14	
2	B668 Connection 2 (CAN bus extended, high) in main wiring harness ¹⁾ B108 Connection 1 (CAN bus extended, high) in main wiring harness ¹⁾		15	
3	B669 Connection 2 (CAN bus extended, low) in main wiring harness ¹⁾ B109 Connection 1 (CAN bus extended, low) in main wiring harness ¹⁾		16	

-T26h- (A)	Designation		-T26h- (A)	Designation
4	 Connection (CAN bus extended high), in engine compartment wiring harness		17	
5	 Connection (CAN bus extended low), in engine compartment wiring harness		18	
6			19	
7	Rear left vehicle level sender -G76- , PWM		20	
8			21	
9			22	
10	Rear left vehicle level sender -G76- , 5V		23	Terminal 15
11	Rear left vehicle level sender -G76- , -		24	Terminal 31
12			25	
13			26	

1) According to equipment

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Connector assignment for control unit for cornering light and headlight range control -J745- , for vehicles with LED headlights

-T26h- (A)	Designation		-T26h- (A)	Designation
1			14	
2	 Connection 2 (CAN bus extended, high), in main wiring harness		15	Right headlight range control motor -V49-
3	 Connection 2 (CAN bus extended, low) in main wiring harness		16	Left headlight range control motor -V48-
4			17	Left headlight range control motor -V48-
5			18	Left headlight range control motor -V48-
6			19	Left headlight range control motor -V48-
7			20	Right headlight range control motor -V49-
8			21	Right headlight range control motor -V49-
9			22	Right headlight range control motor -V49-
10			23	Terminal 15
11			24	Terminal 31
12			25	
13			26	

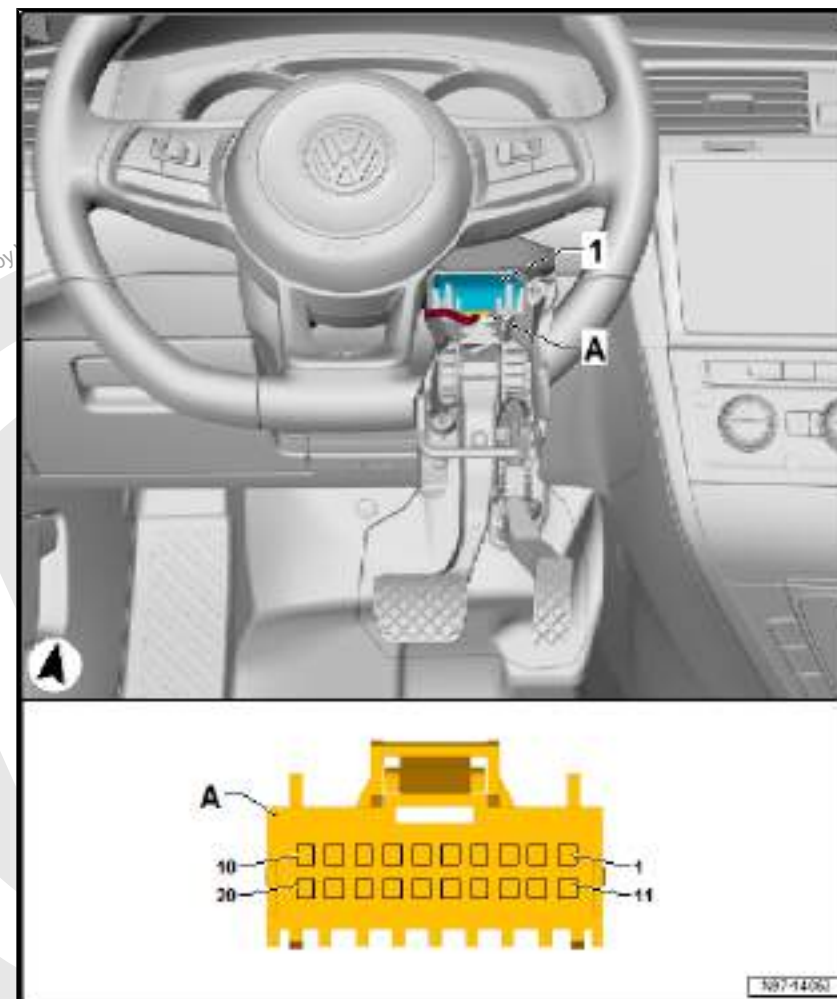
1.34.2 Control unit for cornering light and headlight range control -J745- with 20-pin connector -T20-

Fitting location:

Behind dash panel on driver side.

1 - Control unit for cornering light and headlight range control -J745-

A - 20-pin connector -T20r-



Connector assignment, control unit for cornering light and headlight range control -J745-

-T20r- (A)	Designation		-T20r- (A)	Designation
1	Terminal 30		11	Terminal 31
2			12	
3			13	
4			14	
5	(C68) Connection (CAN bus, low) in headlight wiring harness		15	(C67) Connection (CAN bus, high) in headlight wiring harness
6			16	
7			17	
8			18	
9	(B407) Connection 2 (convenience CAN bus, low) in main wiring harness		19	(B398) Connection 2 (convenience CAN bus, high) in main wiring harness
10	(B669) Connection 2 (CAN bus extended, low) in main wiring harness ¹⁾		20	(B668) Connection 2 (CAN bus extended, high) in main wiring harness ¹⁾
	(B109) Connection 1 (CAN bus extended, low) in main wiring harness ¹⁾			(B108) Connection 1 (CAN bus extended, high) in main wiring harness ¹⁾

¹⁾ According to equipment

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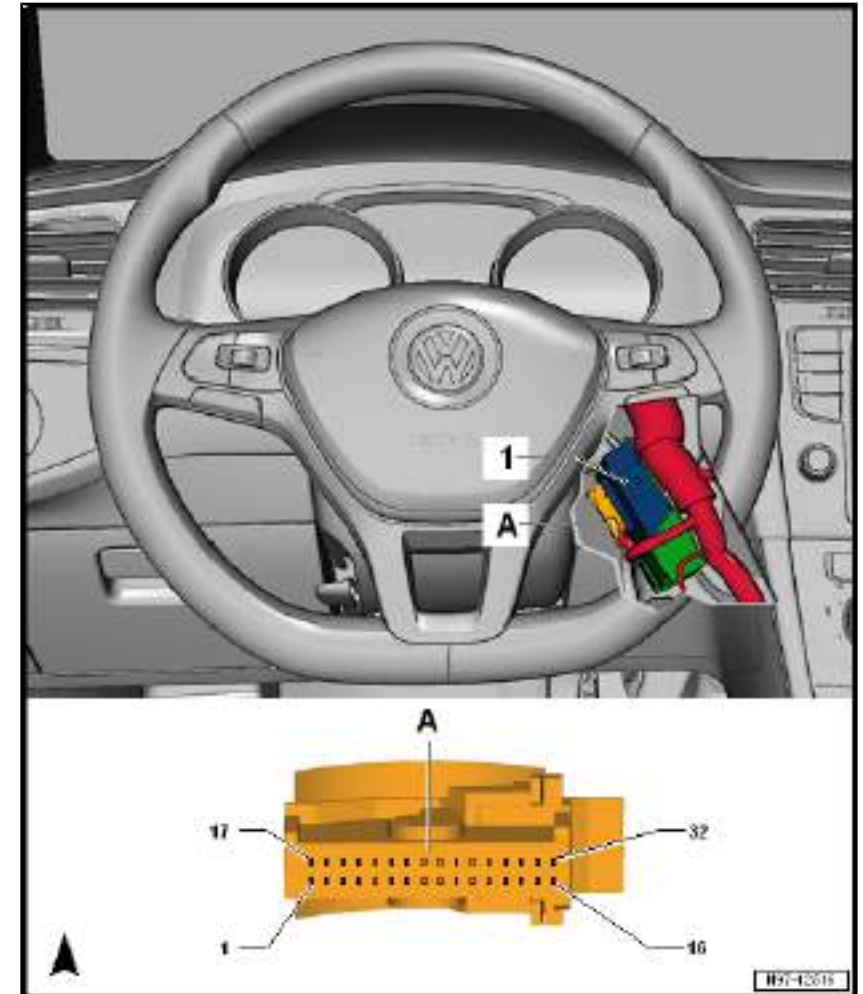
1.35 Interface for entry and start system -J965-

Fitting location:

Under the dash panel.



1 - Interface for entry and start system -J965-

A - 32-pin connector -T32b-

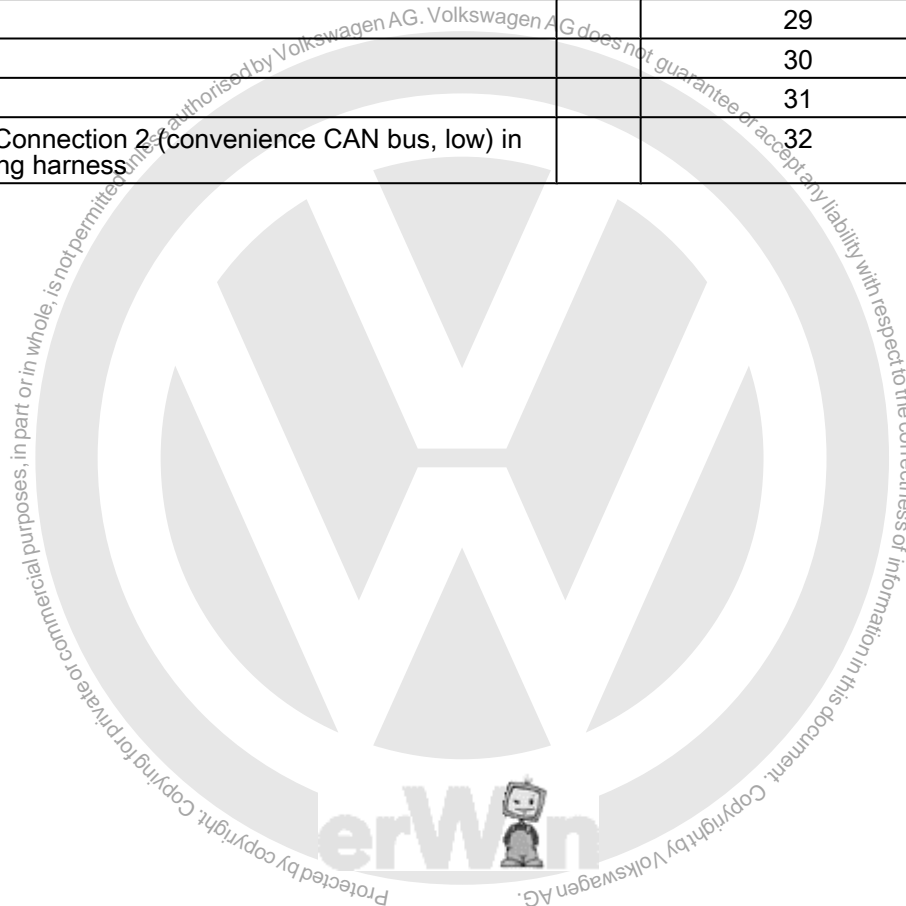


Connector assignment of interface for entry and start system -J965-

-T32b- (A)	Designation	-T32b- (A)	Designation
1		17	Terminal 31
2		18	
3	Terminal 30	19	Interior aerial 1 for entry and start system -R138-
4		20	Rear bumper aerial for entry and start system -R136-

-T32b- (A)	Designation		-T32b- (A)	Designation
5	Front passenger door exterior handle contact sensor -G416-		21	Passenger side aerial for entry and start system -R135-
6			22	Luggage compartment aerial for entry and start system -R137-
7			23	Driver side aerial for entry and start system -R134-
8			24	Driver side aerial for entry and start system -R134-
9	Driver door exterior handle contact sensor -G415-		25	Luggage compartment aerial for entry and start system -R137-
10	Onboard supply control unit -J519-		26	Passenger side aerial for entry and start system -R135-
11			27	Rear bumper aerial for entry and start system -R136-
12			28	Interior aerial 1 for entry and start system -R138-
13			29	
14			30	Ignition and starter button illumination bulb -L190-
15			31	
16	 Connection 2 (convenience CAN bus, low) in main wiring harness		32	 Connection 2 (convenience CAN bus, high) in main wiring harness

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1 Control units in rear part of vehicle

1.1 Overview of control units

1.1.1 Overview of control units

1 - Remote control receiver for auxiliary coolant heater -R149-

☐ Fitting location [⇒ page 3](#)

2 - Two-way signal amplifier for mobile telephone/data services -J984-

☐ Fitting location [⇒ page 4](#)

3 - Blind Spot Monitor control unit -J1086-

☐ Fitting location [⇒ page 6](#)

4 - Trailer detector control unit -J345-

☐ Fitting location from August 2012 [⇒ page 10](#)

☐ Fitting location from May 2014 [⇒ page 13](#)

5 - Engine sound generator control unit -J943-

☐ Fitting location [⇒ page 15](#)

6 - Electronically controlled damping control unit -J250-

☐ Fitting location [⇒ page 17](#)

7 - Blind Spot Monitor control unit 2 -J1087-

☐ Fitting location [⇒ page 19](#)

8 - Battery monitor control unit -J367-

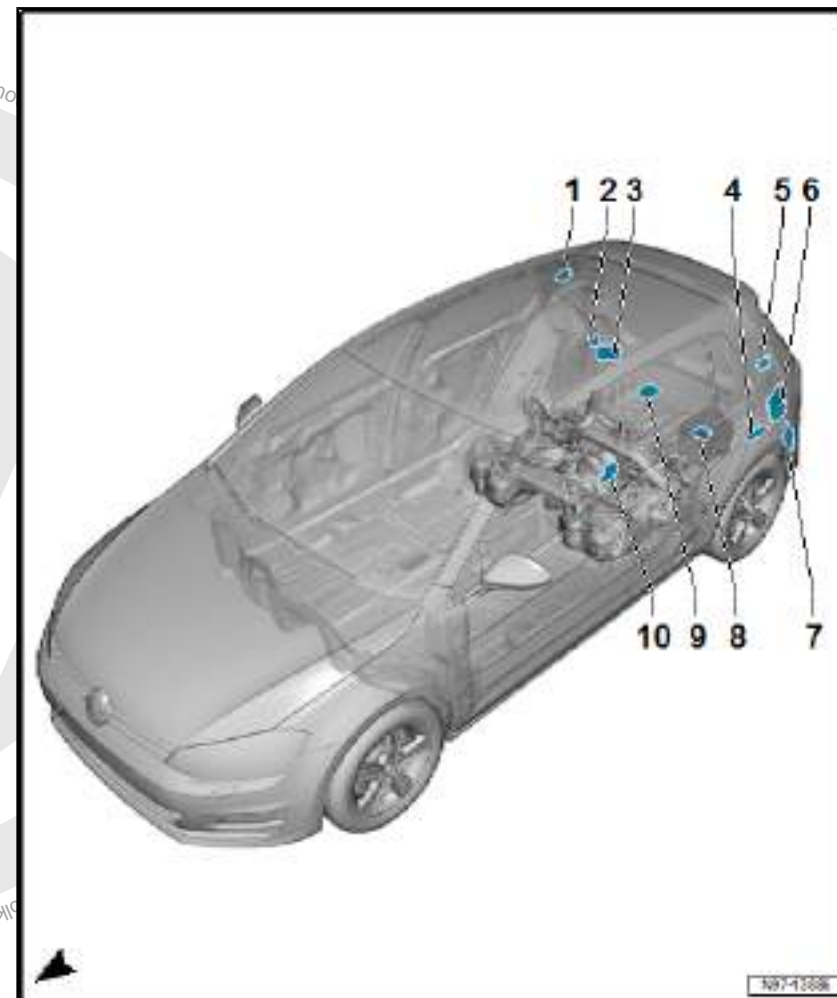
☐ Fitting location [⇒ page 21](#)

9 - Control unit for reducing agent heater -J891-

☐ Fitting location [⇒ page 8](#)

10 - All-wheel drive control unit -J492-

☐ Fitting location [⇒ page 23](#)



1.1.2 Additional control units for models with hybrid drive system



Note

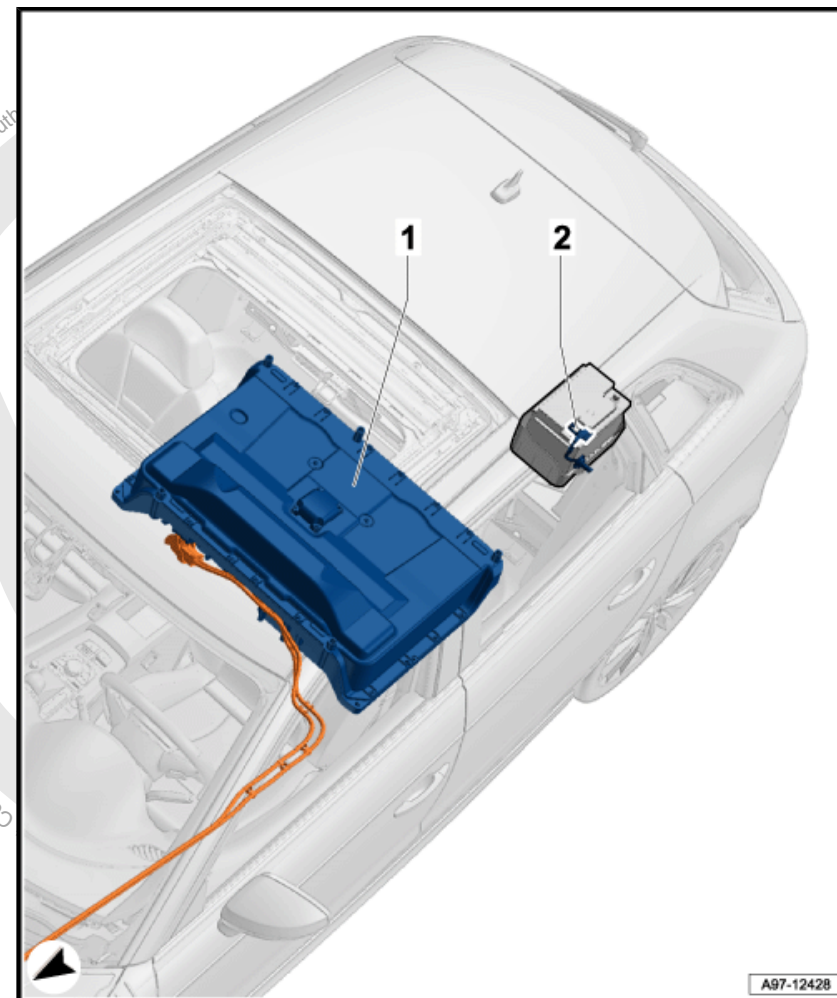
The illustration does not correspond with the selected vehicle, but the fitting location is the same.

1 - High-voltage battery 1 -AX2-

□ Fitting location ⇒ [page 24](#)

2 - Battery monitor control unit -J367-

□ Fitting location ⇒ [page 21](#)



1.2 Remote control receiver for auxiliary coolant heater -R149-

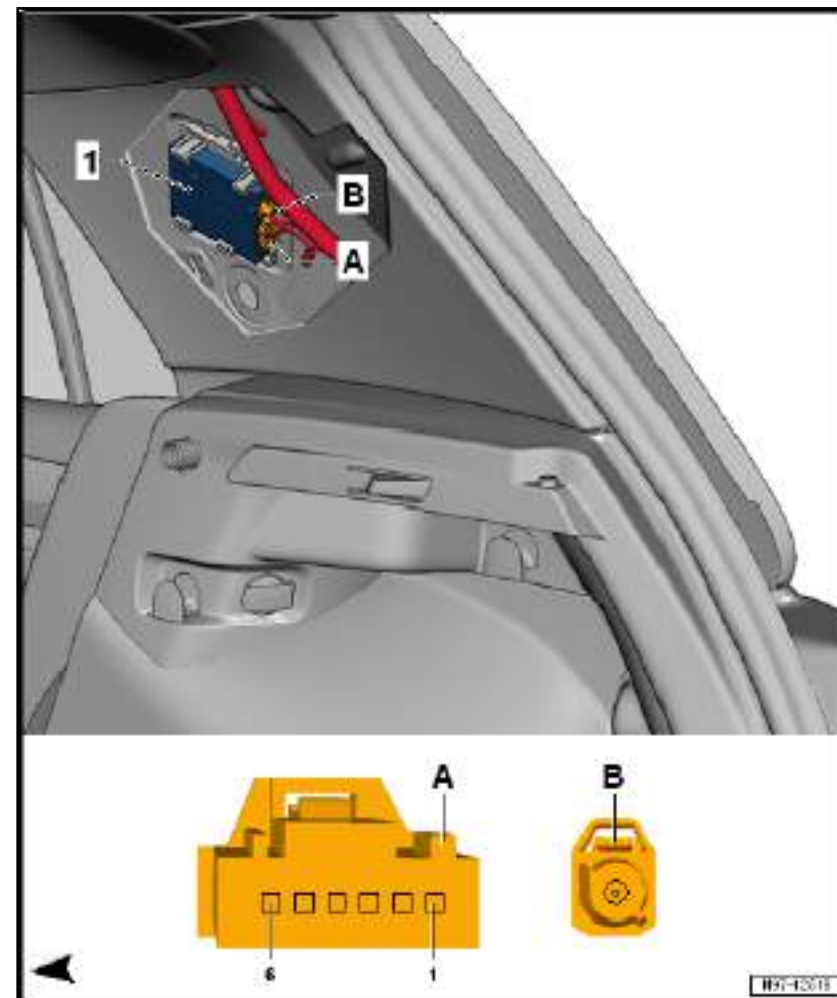
Fitting location:

Behind right C-pillar trim.

1 - Remote control receiver for auxiliary coolant heater -R149-

A - 6-pin connector -T6j-

B - 2-pin connector



Connector assignment of remote control receiver for auxiliary coolant heater -R149-

-T6j- (A)	Designation		-T2- (B)	Designation
1	Terminal 30		1	Auxiliary heater aerial -R182- / GSM aerial -R205-
2	LIN bus		2	Auxiliary heater aerial -R182- / GSM aerial -R205-
3				
4				
5				
6	Terminal 31			

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1.3 Two-way signal amplifier for mobile telephone/data services -J984-

Fitting location:

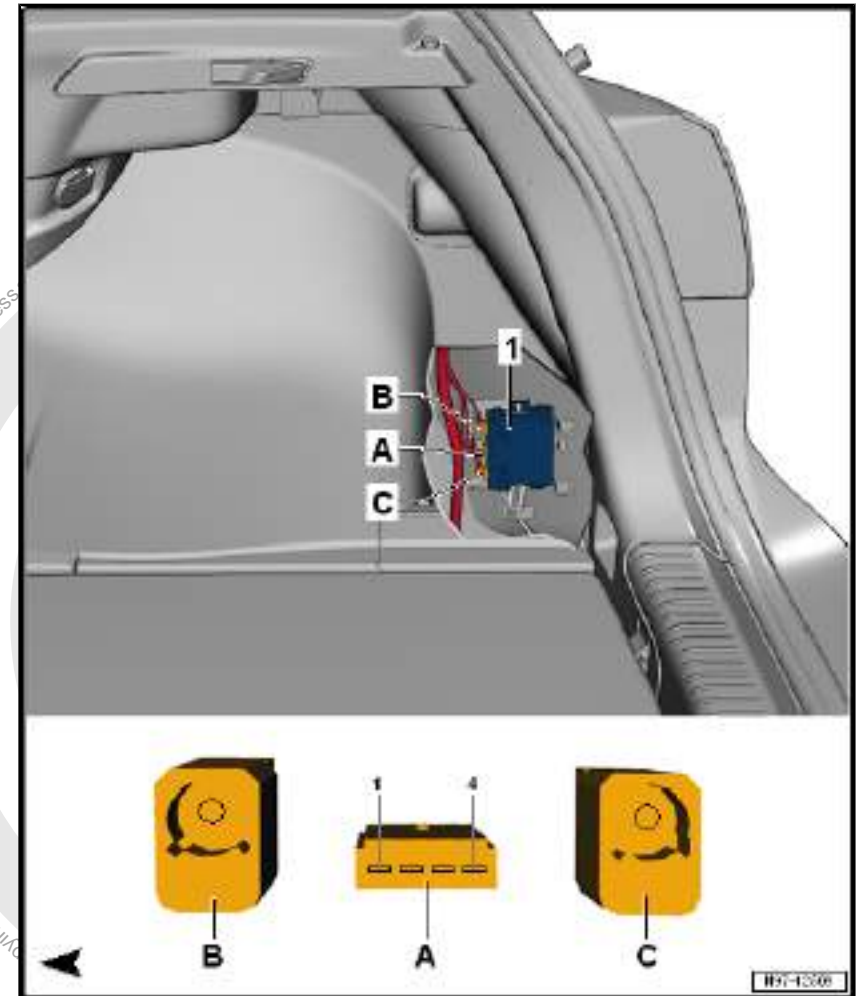
Behind right side trim in luggage compartment.

1 - Two-way signal amplifier for mobile telephone/data services -J984-

A - 4-pin connector -T4t-

B - 2-pin connector -T2-

C - 2-pin connector -T2-



Connector assignment of two-way signal amplifier for mobile telephone/data services -J984-

-T4t- (A)	Designation	-T2- (B)	Designation	-T2- (C)	Designation
1	Terminal 30	1	GSM aerial -R205-	1	Storage compartment with interface for mobile telephone -R265-
2	Terminal 31	2	GSM aerial -R205-	2	Storage compartment with interface for mobile telephone -R265-
3	Terminal 30				

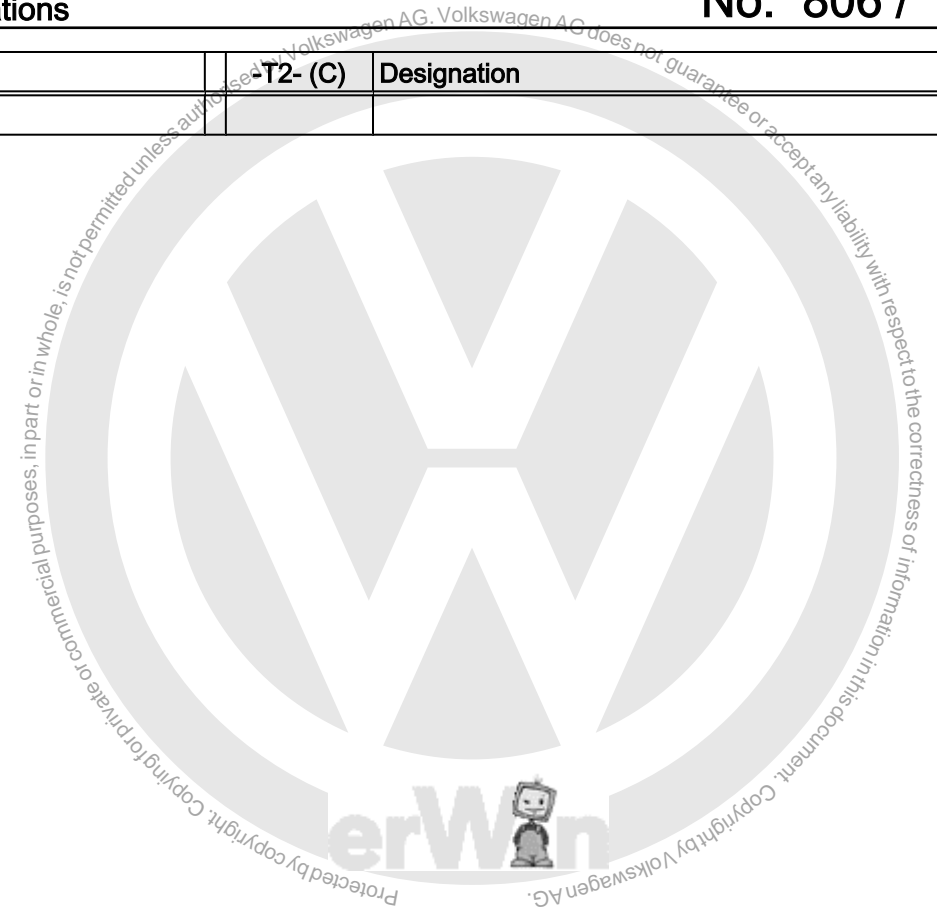
-T4t- (A)	Designation	-T2- (B)	Designation	-T2- (C)	Designation
4					

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1.4 Blind Spot Monitor control unit -J1086-

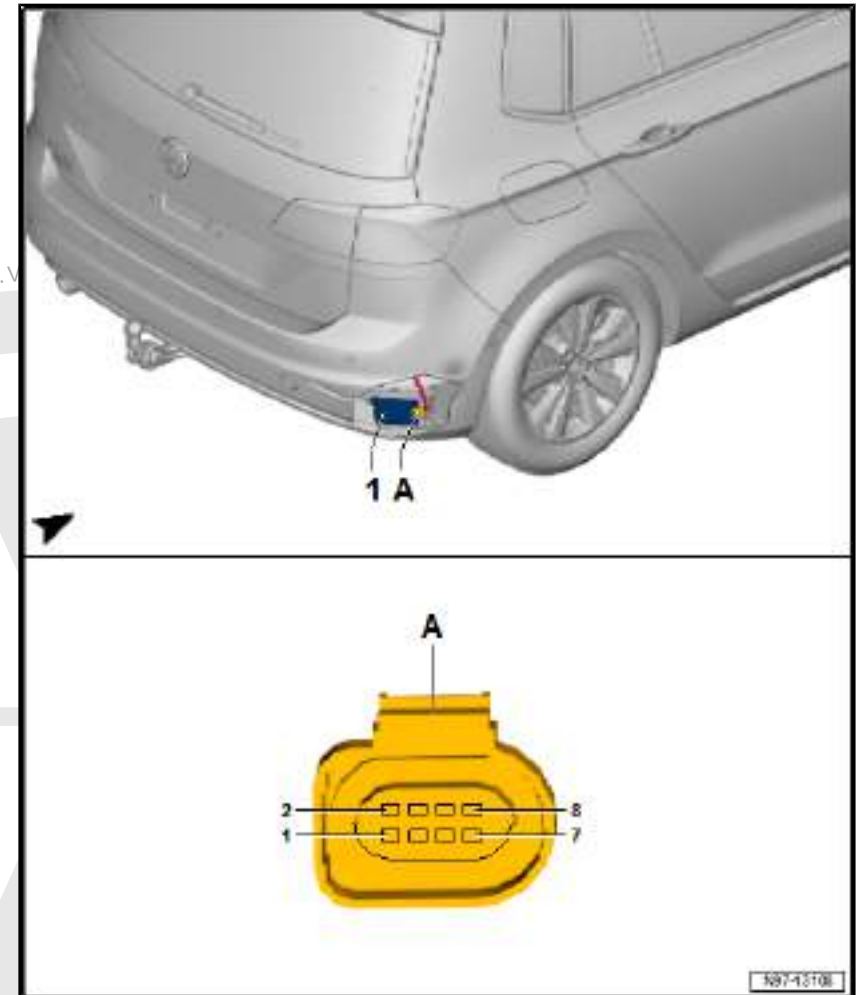
Fitting location:

Behind bumper on right



1 - Blind Spot Monitor control unit -J1086-

A - 8-pin connector -T8bs-



Connector assignment of blind spot monitor control unit -J1086-

-T8bs- (A)	Designation
1	
2	
3	(B108) Connection 1 (CAN bus extended, high), in main wiring harness
4	(B109) Connection 1 (CAN bus extended, low) in main wiring harness
5	Terminal 31

-T8bs- (A)	Designation
6	CAN bus
7	CAN bus
8	Terminal 15

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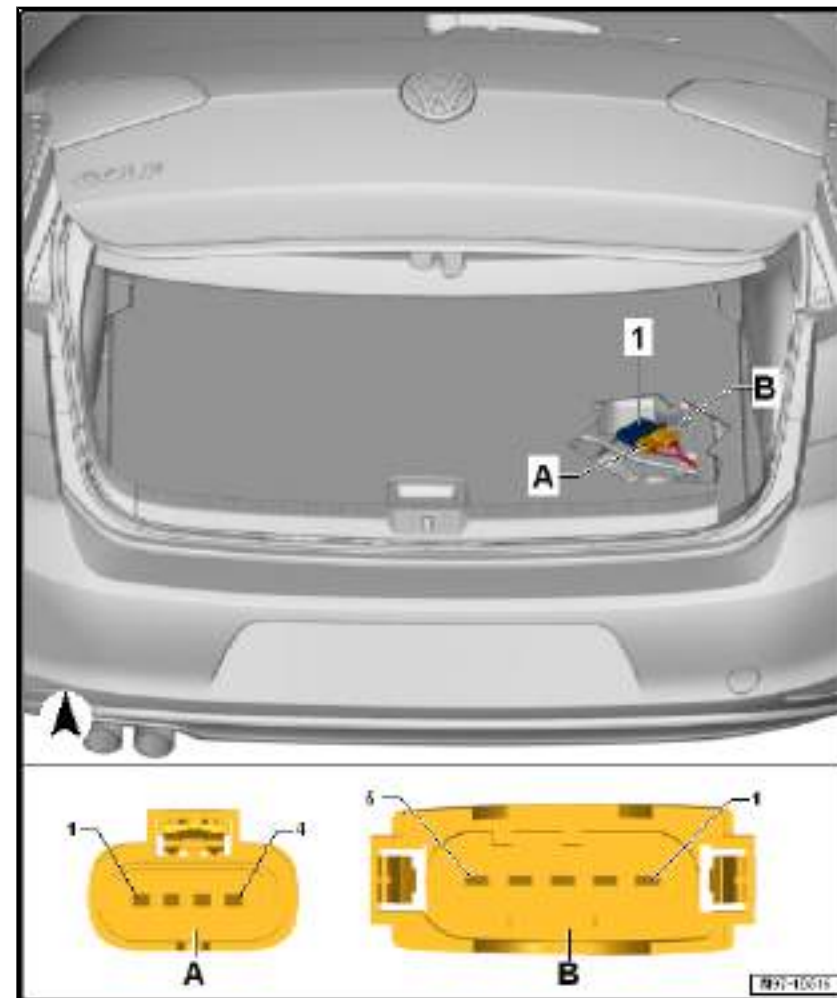
1.5 Control unit for reducing agent heater -J891-



1 - Control unit for reducing agent heater -J891-

A - 4-pin connector -T4cz-

B - 5-pin connector -T5ak-



Connector assignment of control unit for reducing-agent heater -J891-

-T4cz- (A)	Designation		-T5ak- (B)	Designation
1	Engine control unit -J623-		1	Heater for reducing-agent line (heater circuit 2) -Z104-
2	Engine control unit -J623-		2	
3	Engine control unit -J623-		3	Terminal 30
4	Engine control unit -J623-		4	Heater for reducing-agent tank (heater circuit 1) -Z102-

-T4cz- (A)	Designation		-T5ak- (B)	Designation
			5	Terminal 30

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1.6 Trailer detector control unit -J345-

1.6.1 Trailer detector control unit -J345- , from August 2012

Fitting location:

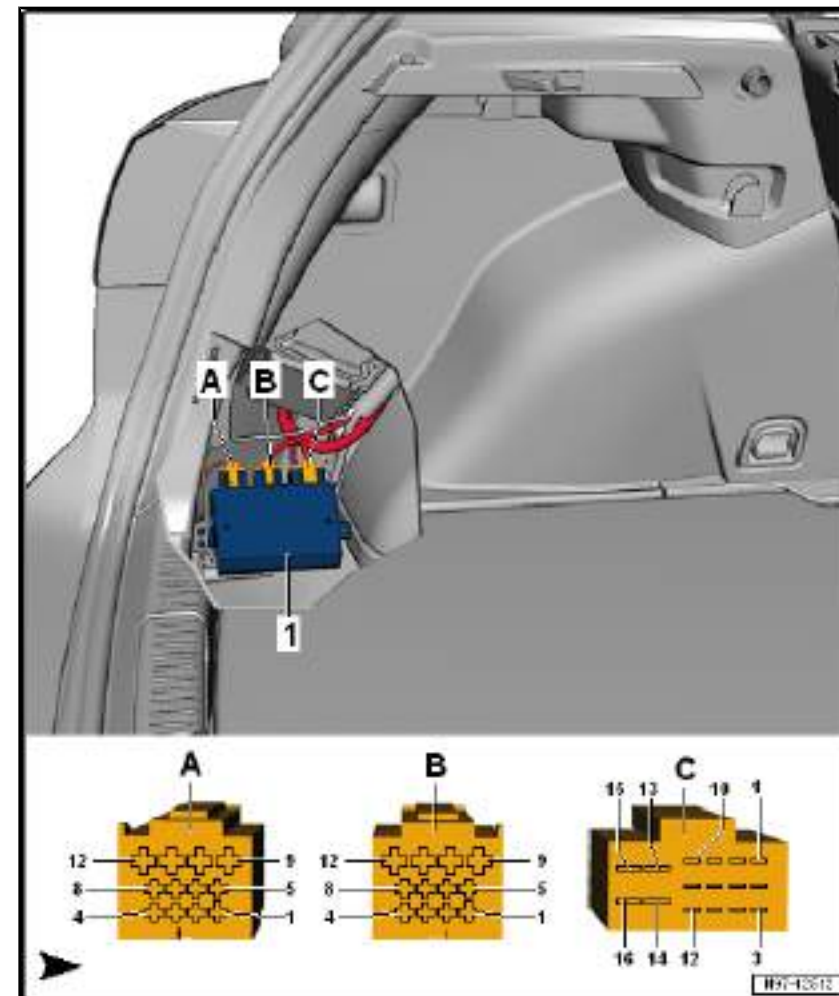
Behind left side trim in luggage compartment.

1 - Trailer detector control unit -J345-

A - 12-pin connector -T12ao-

B - 12-pin connector -T12h-

C - 16-pin connector -T16i-



Connector assignment of trailer detector control unit -J345- , from August 2012

-T12ao- (A)	Designation	-T12h- (B)	Designation	-T16i- (C)	Designation
1		1		1	
2		2	Terminal 15	2	Trailer socket -U10- ♦ Rear fog light

-T12ao- (A)	Designation	-T12h- (B)	Designation	-T16i- (C)	Designation
3		3		3	Trailer socket -U10- ◆ Reversing light
4		4		4	Trailer socket -U10- ◆ Right tail light
5	Towing bracket locked warning lamp -K226- , - Towing bracket released warning lamp -K227- , -	5		5	Trailer socket -U10- ◆ Right turn signal
6	Towing bracket locked warning lamp -K226- , +	6		6	Contact switch on locking pin -F355-
7	Towing bracket released warning lamp -K227- , +	7	(B506) Connection (convenience CAN-bus, high) in interior wiring harness	7	Trailer socket -U10- ◆ Left turn signal
8		8	(B507) Connection (convenience CAN-bus, low) in interior wiring harness	8	
9		9	Terminal 30	9	
10		10	Terminal 31	10	Trailer socket -U10- ◆ Left tail light
11		11	Terminal 30	11	
12		12	Terminal 30	12	
				13	Trailer socket -U10- ◆ Brake light
				14	Contact switch on locking pin -F355- ◆ Terminal 31
				15	Contact switch on locking pin -F355-
				16	Trailer socket -U10- ◆ Terminal 30

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1.6.2 Trailer detector control unit -J345-, from May 2014

Fitting location:

Behind left side trim in luggage compartment.

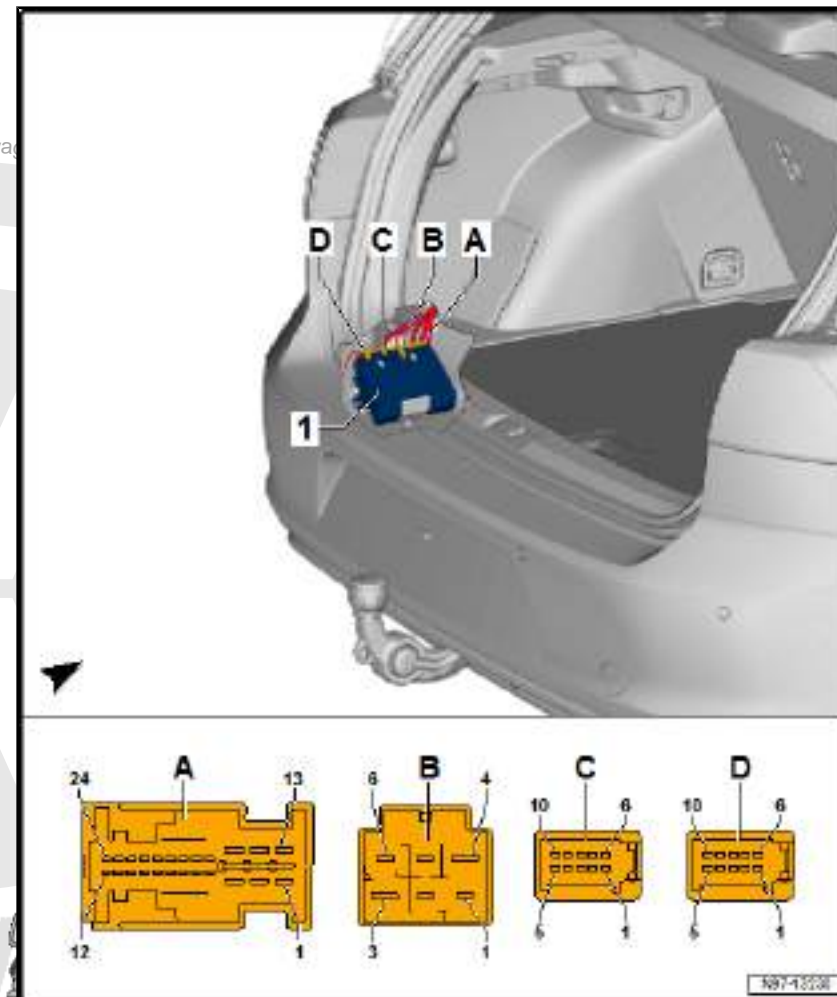
1 - Trailer detector control unit -J345-

A - 24-pin connector -T24-

B - 6-pin connector -T6bg-

C - 10-pin connector -T10aj-

D - 10-pin connector -T10-



Connector assignment of trailer detector control unit -J345- , from May 2014

-T24- (A)	Designation	-T6bg- (B)	Designation	-T10aj- (C)	Designation	-T10- (D)	Designation
1	Trailer socket -U10-	1		1	Terminal 15	1	
2	Trailer socket -U10- ♦ Terminal 30	2	Terminal 31	2	Terminal 54	2	
3	Trailer socket -U10- ♦ Brake light	3	Terminal 30	3	B397 Connection 1 (convenience CAN-bus, high) in main wiring harness	3	
4		4	Terminal 30	4	B406 Connection 1 (convenience CAN-bus, low) in main wiring harness	4	Electric hinged tow coupling attachment button -E474-
5	Contact switch on locking pin -F355-	5	Terminal 30	5		5	
6		6	Terminal 30	6		6	
7	Contact switch on locking pin -F355-			7		7	Towing bracket released warning lamp -K227-
8				8		8	Towing bracket locked warning lamp -K226-
9				9		9	
10	Contact switch on locking pin -F355-			10		10	
11							
12	Trailer socket -U10- ♦ Rear fog light, left						
13							
14							
15	Trailer socket -U10- ♦ Rear fog light, right						
16							
17							
18	Trailer socket -U10- ♦ Right turn signal						
19	Trailer socket -U10- ♦ Reversing light						
20							
21							

-T24- (A)	Designation	-T6bg- (B)	Designation	-T10aj- (C)	Designation	-T10- (D)	Designation
22							
23	Trailer socket -U10- ♦ Tail light						
24	Trailer socket -U10- ♦ Left turn signal						

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1.7 Engine sound generator control unit -J943-

Fitting location:

Behind left C-pillar trim

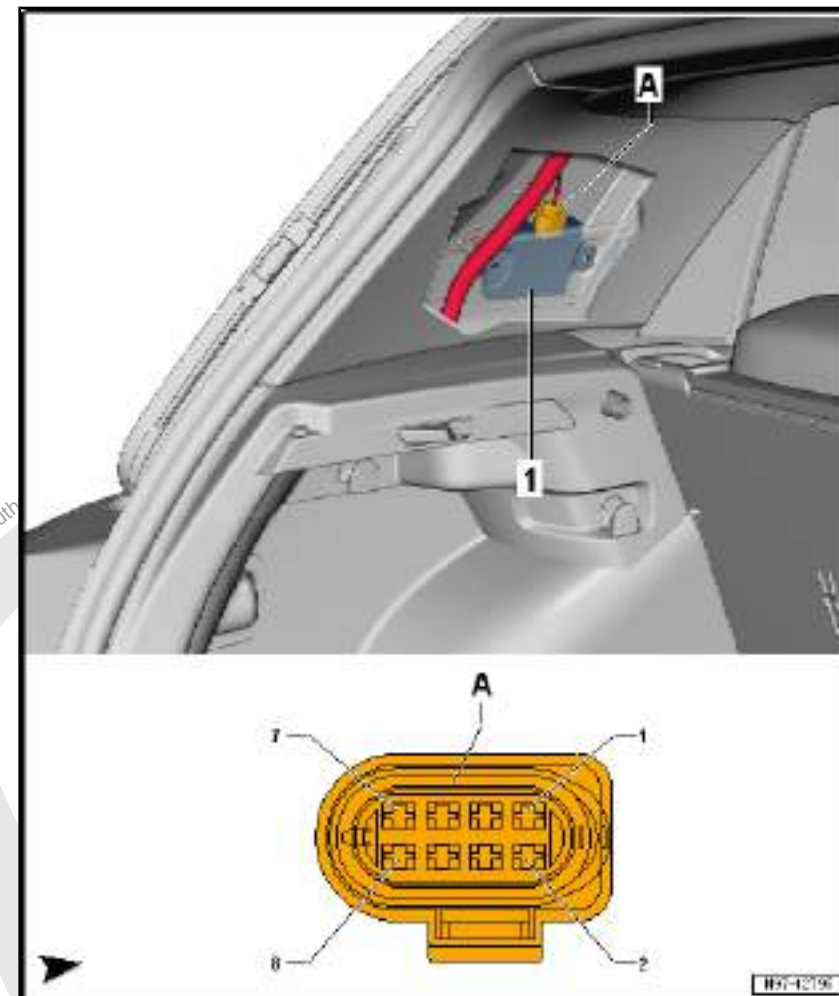


Note

- ♦ Only models with GTD diesel engine
- ♦ Only models with hybrid drive system, up to May 2016
- ♦ From May 2016, you will find the control unit for models with hybrid drive system in the chapter 'Control units in middle part of vehicle'

1 - Engine sound generator control unit -J943-

A - 8-pin connector -T8ai-



Connector assignment, engine sound generator control unit -J943-

-T8ai- (A)	Designation
1	(B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
2	Terminal 31
3	(B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
4	Terminal 15
5	

-T8ai- (A)	Designation
6	
7	Actuator 1 for engine sound generator -R257-
8	Actuator 1 for engine sound generator -R257-

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1.8 Electronically controlled damping control unit -J250-

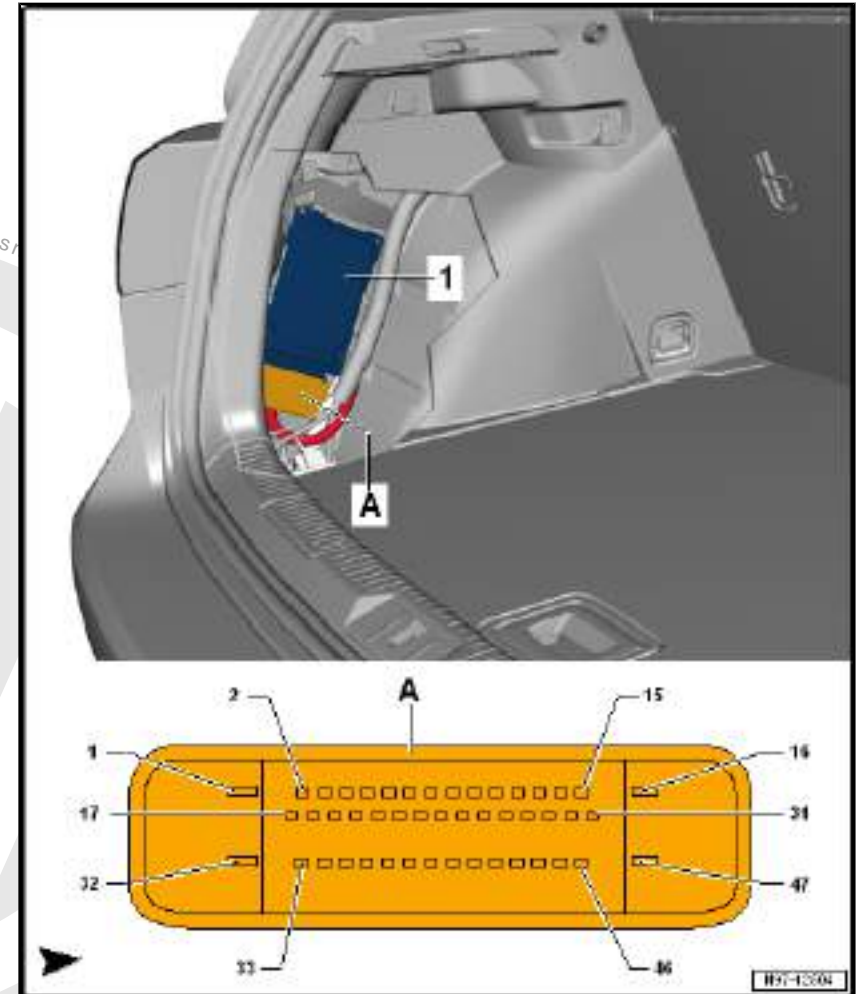
Fitting location:

Behind left side trim in luggage compartment.





1 - Electronically controlled damping control unit -J250-

A - 47-pin connector -T47d-



Connector assignment, electronically controlled damping control unit -J250-

-T47d- (A)	Designation	-T47d- (A)	Designation
1		25	
2		26	Front left vehicle level sender -G78- , 5V
3		27	Front left vehicle level sender -G78- , -
4		28	
5	Rear body acceleration sender -G343-	29	Front right vehicle level sender -G289- , 5V

-T47d- (A)	Designation		-T47d- (A)	Designation
6			30	Front right vehicle level sender -G289- , -
7			31	
8	Rear left vehicle level sender -G76-		32	Terminal 15
9			33	 Connection (running gear sensors CAN bus, low) in main wiring harness
10			34	 Connection (running gear sensors CAN bus, high) in main wiring harness
11	Front left vehicle level sender -G78-		35	Front right body acceleration sender -G342-
12			36	Front right body acceleration sender -G342- , -
13			37	Front left body acceleration sender -G341- , -
14	Front right vehicle level sender -G289-		38	Front left body acceleration sender -G341-
15			39	Front left shock absorber damping adjustment valve -N336-
16	Terminal 31		40	Front left shock absorber damping adjustment valve -N336-
17			41	Front right shock absorber damping adjustment valve -N337-
18			42	Front right shock absorber damping adjustment valve -N337-
19			43	Rear left shock absorber damping adjustment valve -N338-
20			44	Rear left shock absorber damping adjustment valve -N338-
21	Rear body acceleration sender -G343- , -		45	Rear right shock absorber damping adjustment valve -N339-
22			46	Rear right shock absorber damping adjustment valve -N339-
23	Rear left vehicle level sender -G76- 5 V		47	Terminal 30
24	Rear left vehicle level sender -G76- , -			

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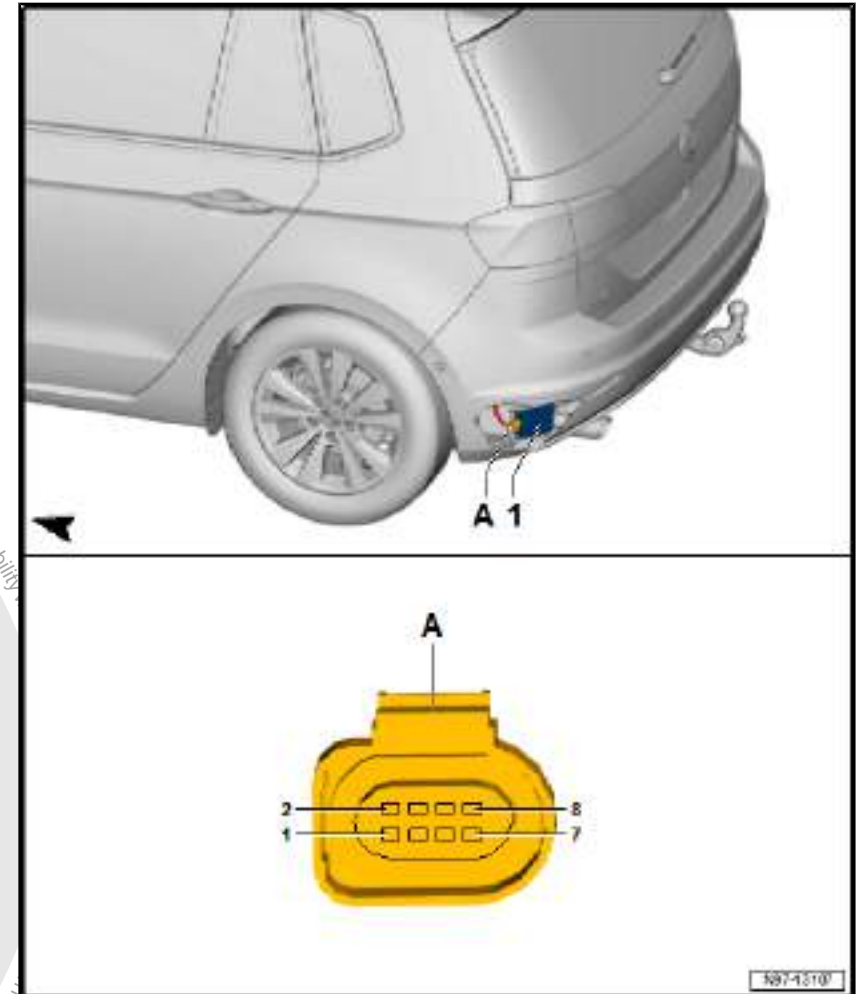
1.9 Blind Spot Monitor control unit 2 -J1087-

Fitting location:

behind bumper on left

1 - Blind Spot Monitor control unit 2 -J1087-

A - 8-pin connector -T8br-



Connector assignment of blind spot monitor control unit 2 -J1087-

-T8br- (A)	Designation
1	
2	
3	Blind Spot Monitor warning lamp in right exterior mirror -K304-
4	Blind Spot Monitor warning lamp in left exterior mirror -K303-
5	Terminal 31

-T8br- (A)	Designation
6	CAN bus
7	CAN bus
8	Terminal 15

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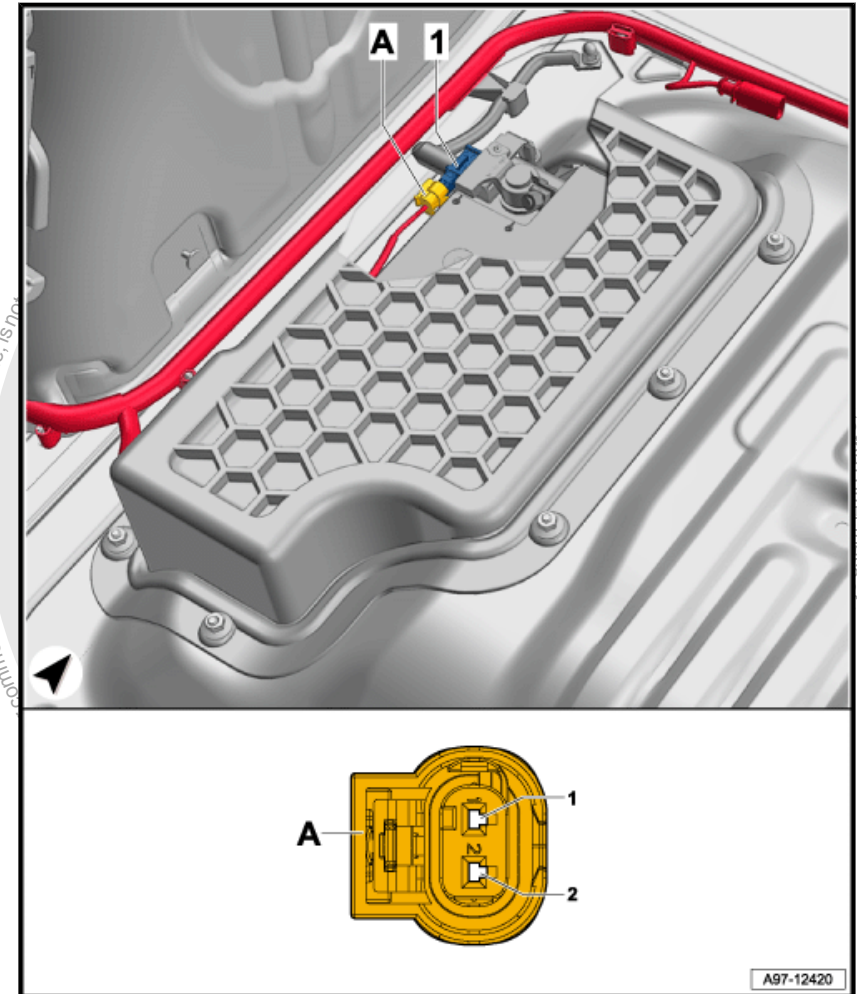
1.10 Battery monitor control unit -J367- , only models with hybrid drive system

Fitting location:

on battery in luggage compartment

1 - Battery monitor control unit -J367-

A - 2-pin connector -T2bn-



Connector assignment, battery monitor control unit -J367-

-T2bn- (A)	Designation
1	LIN bus
2	Terminal 30

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1.11 All-wheel drive control unit -J492-

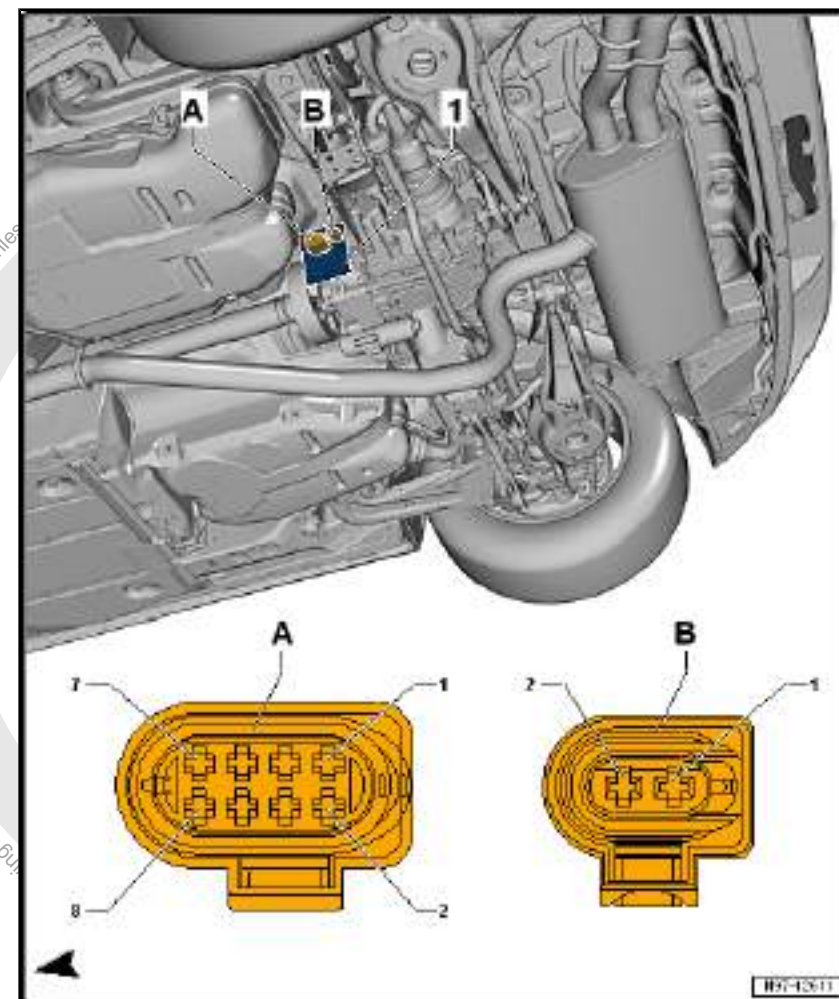
Fitting location:

On differential.



1 - All-wheel drive control unit -J492-

A - 8-pin connector -T8s-

B - 2-pin connector -T2dj-



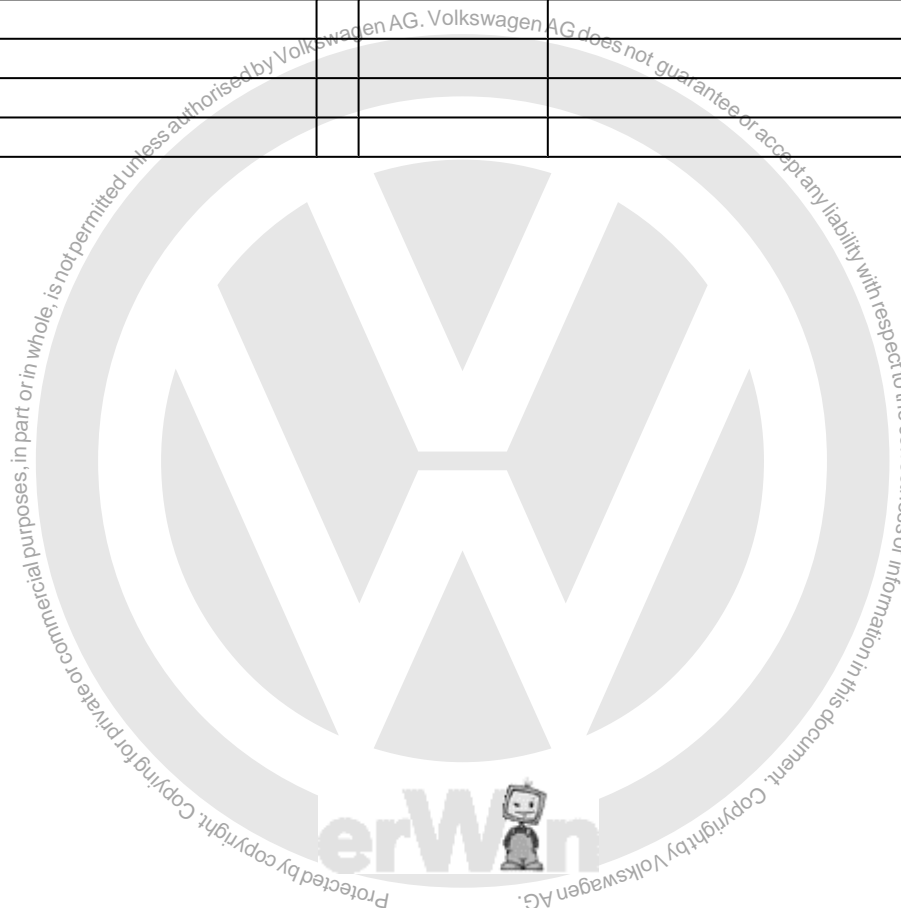
Connector assignment, all-wheel drive control unit -J492-

-T8s- (A)	Designation		-T2dj- (B)	Designation
1	Terminal 15		1	All-wheel drive coupling pump -V181- , +
2	 Connection (running gear sensors CAN bus, low) in main wiring harness		2	All-wheel drive coupling pump -V181- , -
3	Terminal 30			
4	 Connection (running gear sensors CAN bus, high) in main wiring harness			
5				
6				
7	Terminal 31			
8				

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1.12 High-voltage battery 1 -AX2-

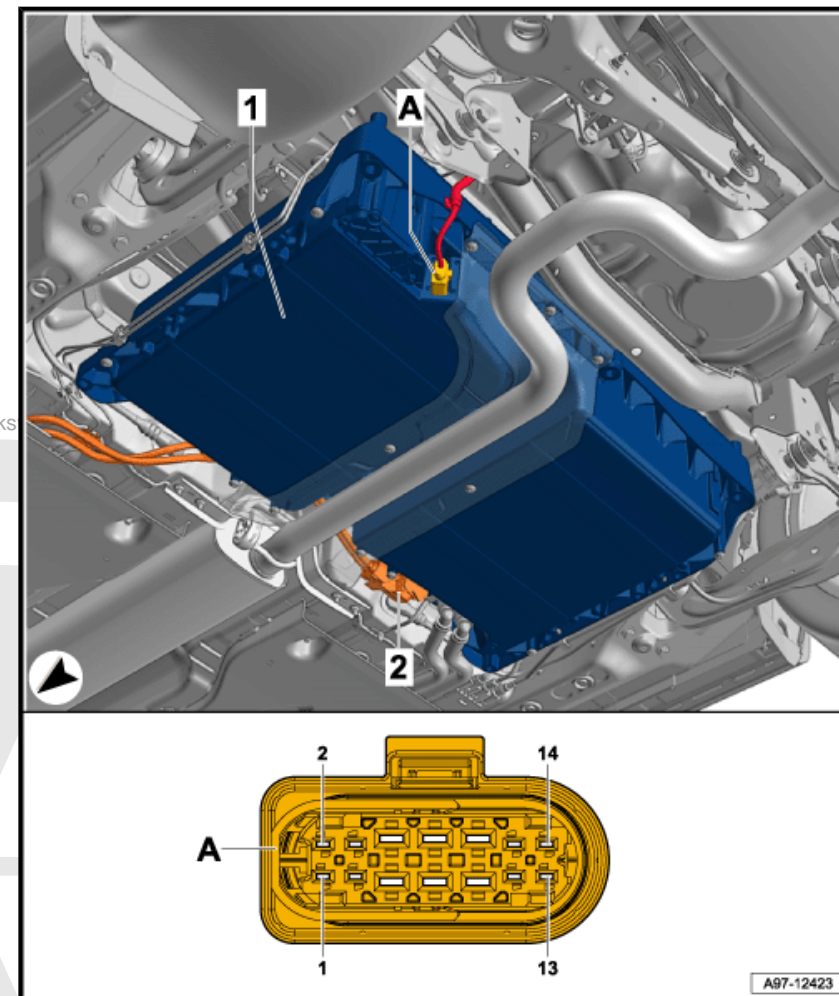
Fitting location:



1 - High-voltage battery 1 -AX2-

2 - High-voltage wire for hybrid battery, positive terminal -P1- , high-voltage wire for hybrid battery, negative terminal -P2-

A - 14-pin connector -T14b-



Connector assignment of high-voltage battery 1 -AX2-

-T14b- (A)	Designation		Designation
1	(B383) Connection 1 (powertrain CAN bus, high), in main wiring harness	8	Terminal 30
2	(B390) Connection 1 (powertrain CAN bus, low), in main wiring harness	9	Terminal 31
3	Airbag control unit -J234-	10	Terminal 30

-T14b- (A)	Designation		Designation
4	Maintenance connector for high-voltage system -TW- ◆ Pilot line	11	High voltage heater (PTC) control unit -J848- ◆ Pilot line
5	Coolant valve for high-voltage battery -N688-	12	Airbag control unit -J234-
6	Maintenance connector for high-voltage system -TW-	13	
7	Coolant pump for high-voltage battery -V590-	14	

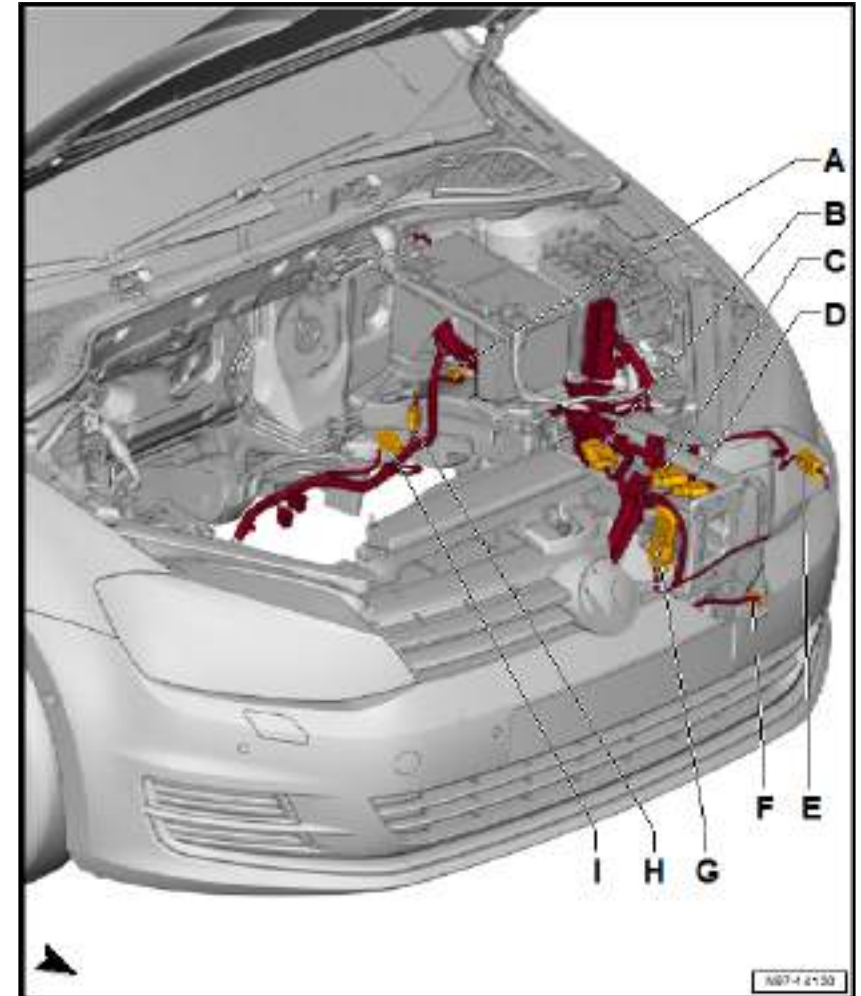
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1 Coupling points

1.1 Coupling point on left in engine compartment -TML-

1.1.1 Coupling point on left in engine compartment -TML-

- A -**
10-pin connector -T10kv-, black/ 10-pin connector -T10kw-, black
☐ Only models with diesel engine
- A -**
6-pin connector -T6cj-, black/ 6-pin connector -T6cq-, black
☐ Only models with petrol engine
- B -**
10-pin connector -T10ky-, black/ 10-pin connector -T10kx-, black
☐ Only models with diesel engine
- C -**
14-pin connector -T14i-, grey/ 14-pin connector -T14h-, grey
- C -**
14-pin connector -T14l-, grey/ 14-pin connector -T14m-, grey
☐ Only models with 2.0l petrol engine
- D -**
4-pin connector -T4dd-, black/ 4-pin connector -T4de-, black
☐ Only models with 1.2/1.4 l petrol engine
- D -**
8-pin connector -T8at-, black/ 8-pin connector -T8as-, black
☐ Only for models with 1.6/2.0-l diesel engine
☐ Only for models with 2.0-l petrol engine
- D -**
10-pin connector -T10ag-, black/ 10-pin connector -T10af-, black
☐ According to equipment
- E -**
8-pin connector -T8au-, black/ 8-pin connector -T8az-, black
- F -**
Single-pin connector -T1ak-, black/ single-pin connector -T1am-, black
☐ Only models with exterior socket, 230 V, 110 V -U8-



G -**4-pin connector -T4x- , black/ 4-pin connector -T4f- , black****H -****6-pin connector -T6as- , black/ 6-pin connector -T6at- , black**

- ☐ Only models with axle differential lock control unit -J647-

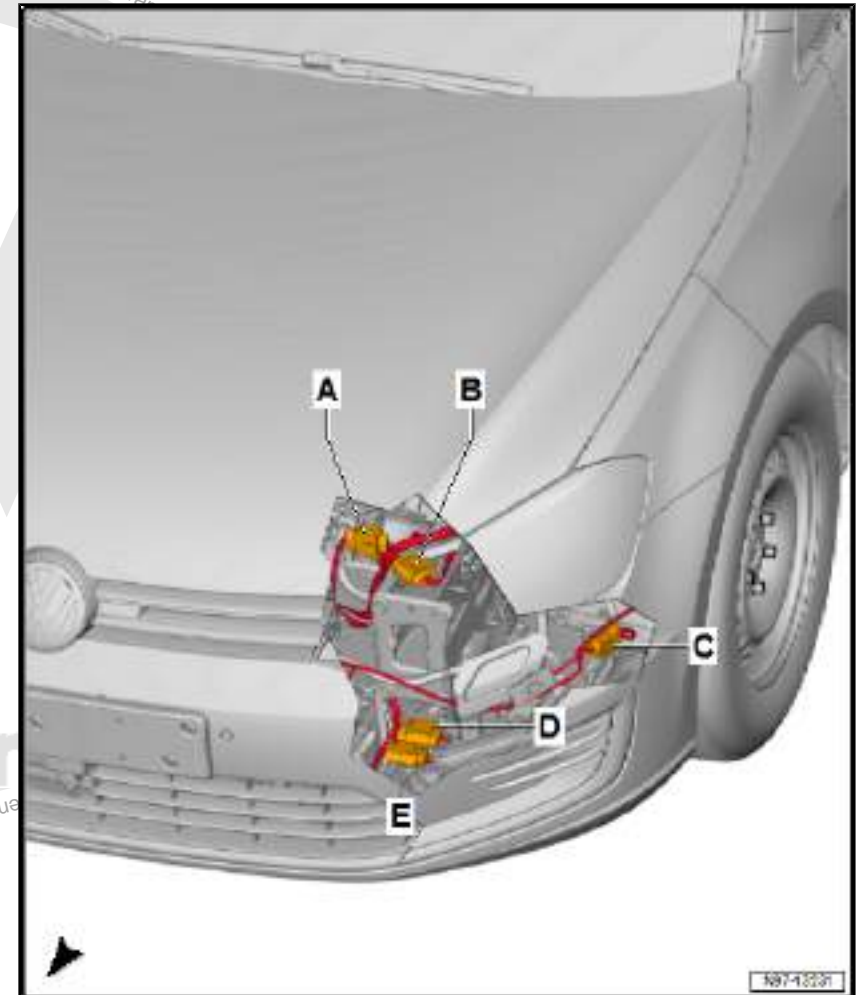
I -**5-pin connector -T5bh- , black/ 5-pin connector -T5bi- , black**

- ☐ Only models with auxiliary hydraulic pump 1 for gearbox oil -V475-



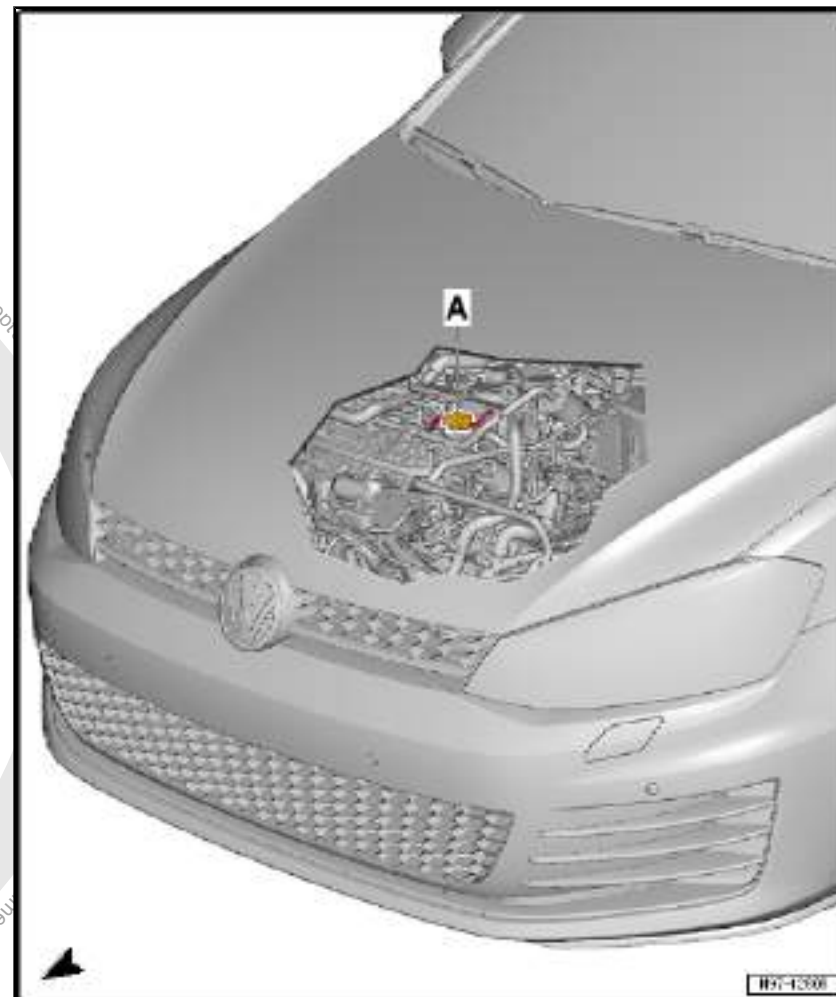
1.1.2 Coupling point on left in engine compartment -TML-, only models with hybrid drive system

- A -
14-pin connector -T14q-, black/ 14-pin connector -T14t-, black
- B -
14-pin connector -T14z-, grey/ 14-pin connector -T14v-, grey
- C - 8-pin connector -T8au-, black/ 8-pin connector -T8az-, black
- D -
14-pin connector -T14aa-, grey/ 14-pin connector -T14ab-, grey
- E -
14-pin connector -T14ac-, black/ 14-pin connector -T14ad-, black



1.2 Coupling point on engine, top centre -TMOM-

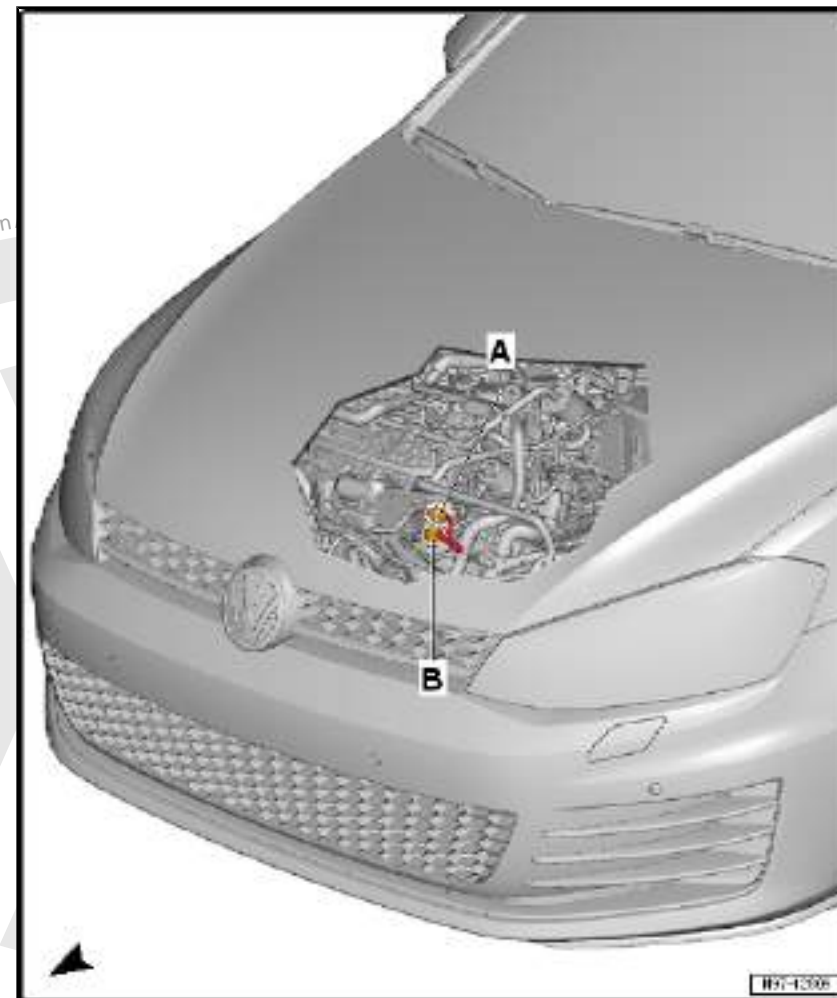
A -
8-pin connector -T8h- / 8-pin connector -T8i-



1.3 Coupling point on engine, top right -TMOR-

A -
8-pin connector -T8f- / 8-pin connector -T8g-

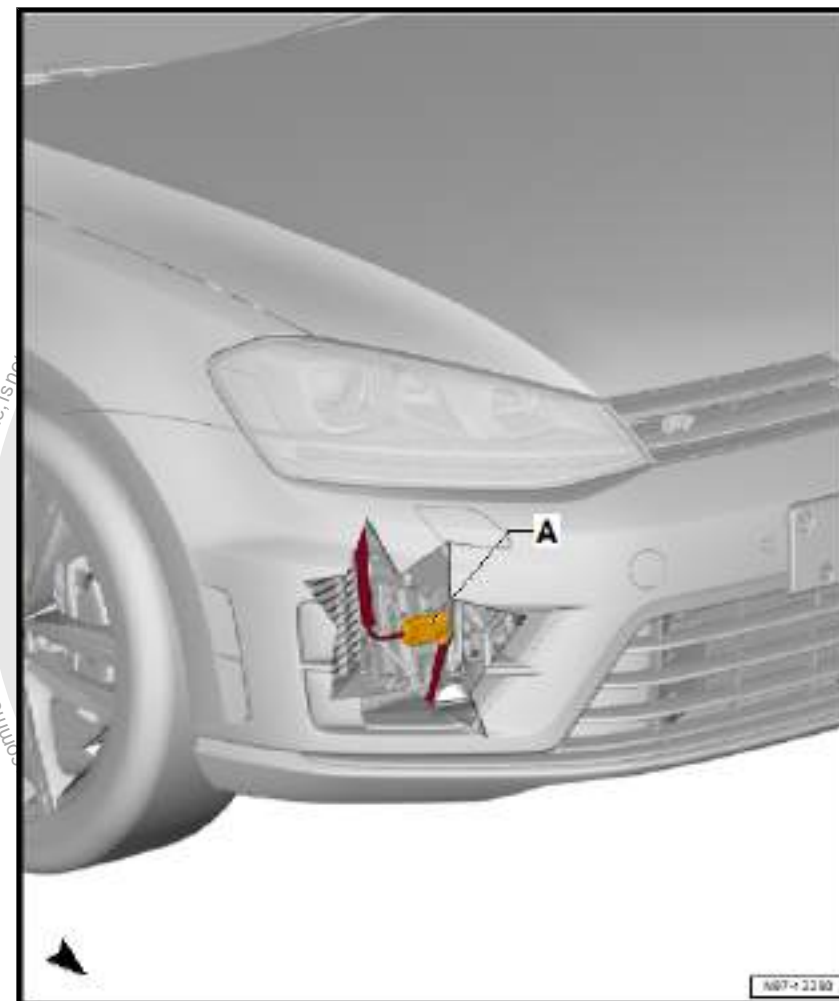
B -
14-pin connector -T14e- / 14-pin connector -T14f-



1.4 Coupling point for headlight washer system -TSRA-

A -
4-pin connector -T4fp-, black/
4-pin connector -T4fq-, black

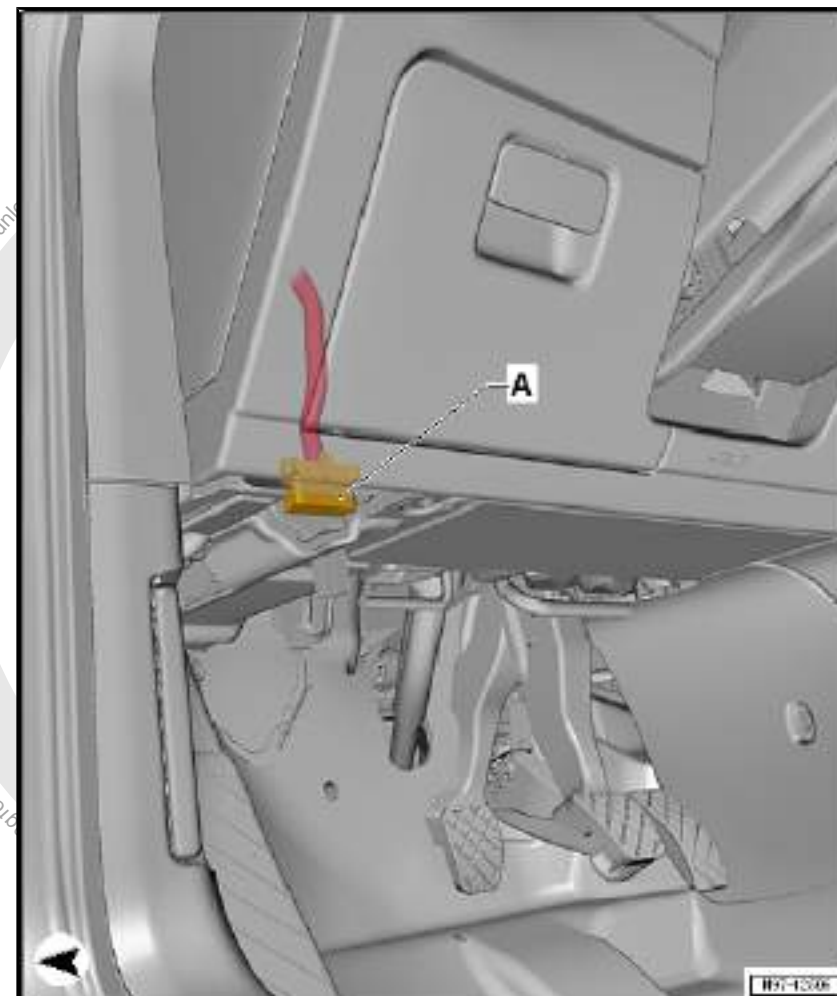
◆ According to equipment



1.5 Diagnostic connection -U31-

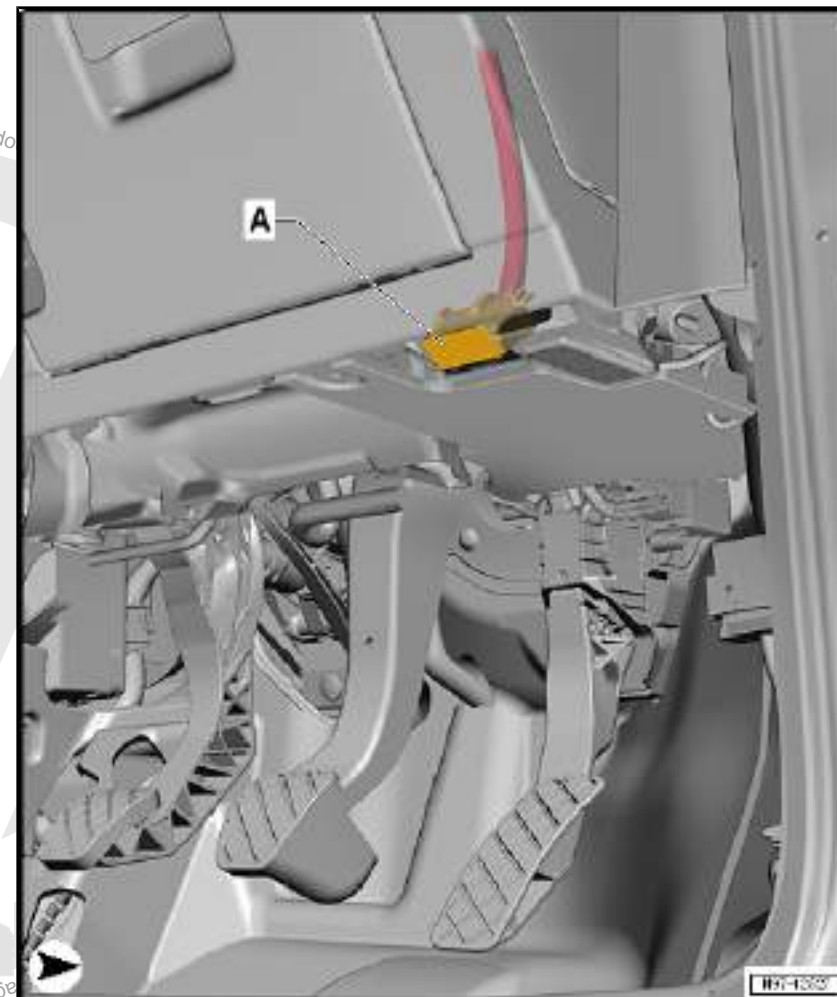
1.5.1 Diagnostic connection -U31- , left-hand drive models

A - 16-pin connector -T16- , black



1.5.2 Diagnostic connection -U31- , right-hand drive models

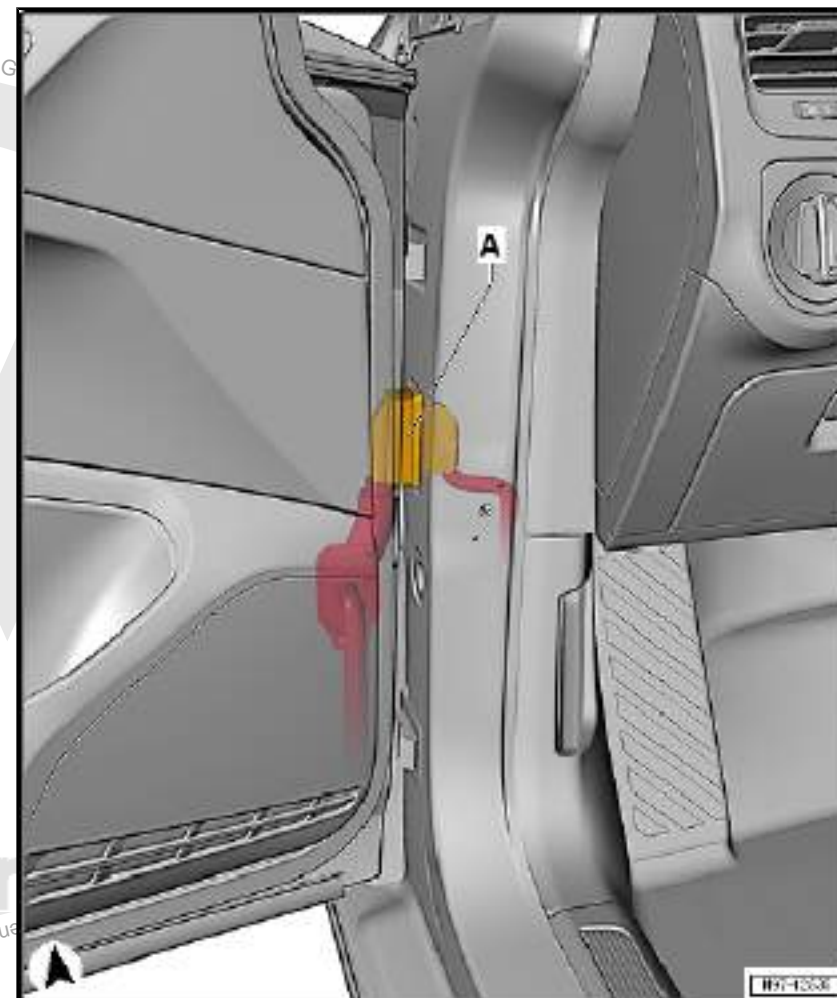
A - 16-pin connector -T16- , black



1.6 Coupling point on front left door -TTVL-

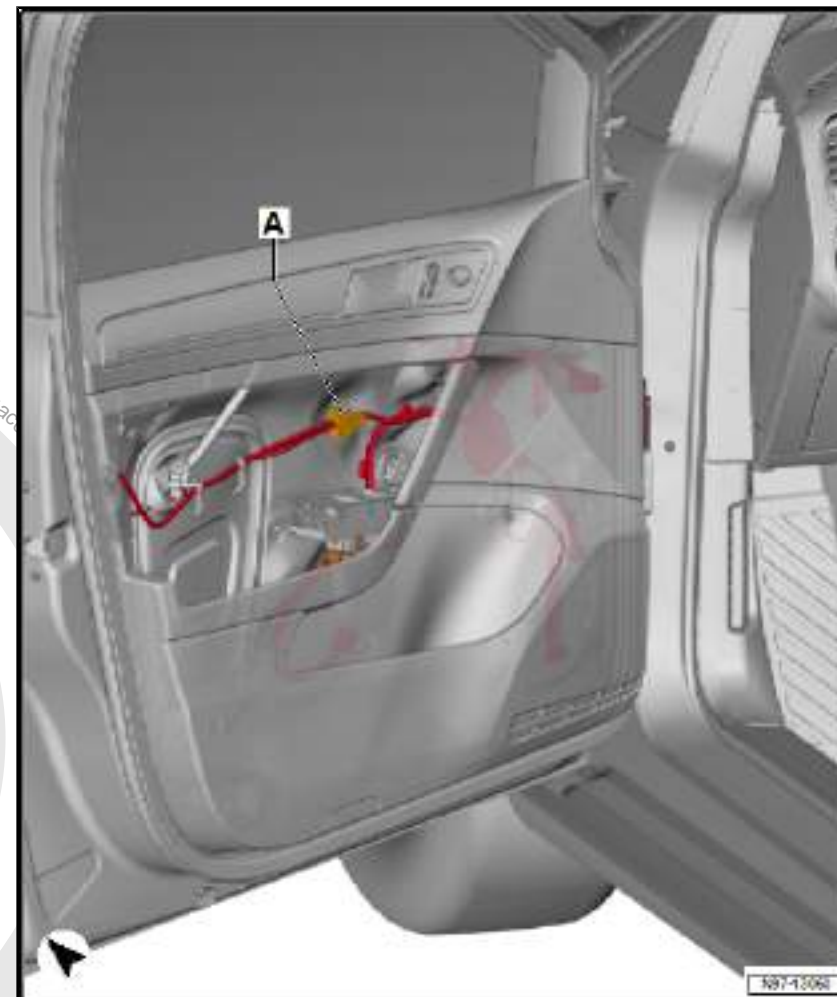
A -
27-pin connector -T27- , black/ 27-pin connector -T27b- , black

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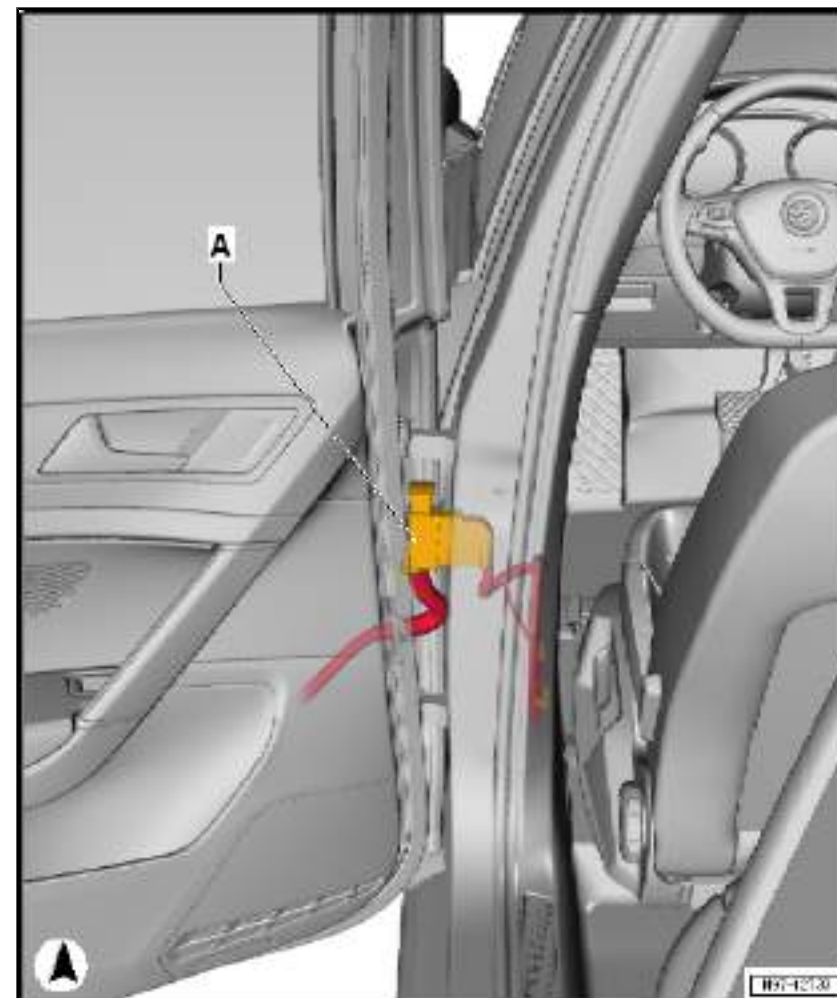
1.7 Coupling point in front left door -TTIVL-

A -
4-pin connector -T4ac- , black/ 4-pin connector -T4ad- , black



1.8 Coupling point on rear left door -TTHL-

A -
19-pin connector -T19b- , black/ 19-pin connector -T19c- , black



1.9 Coupling point for all-wheel drive -TSAA-

A - 6-pin connector -T6h- , black

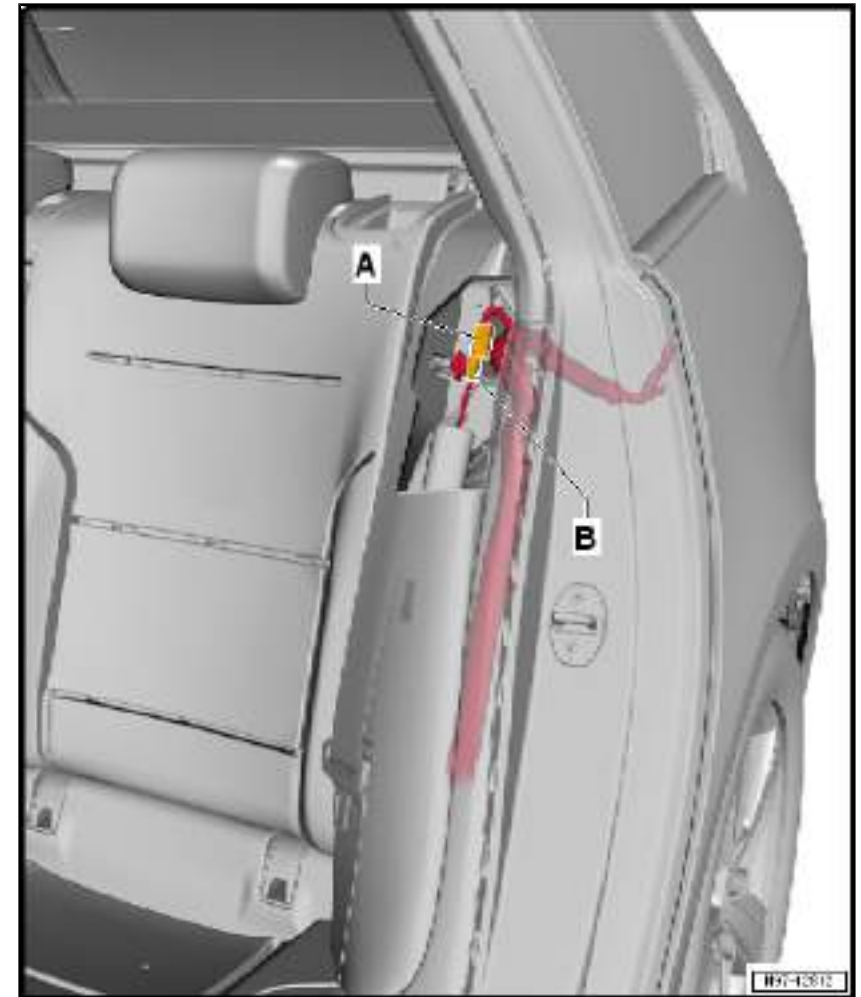
B - 6-pin connector -T6i- , black



1.10 Coupling point for rear left seat -TSHL-

A - 3-pin connector -T3cw- , yellow

B - 3-pin connector -T3cx- , yellow



1.11 Coupling point in interior, below left -TIUL-

1.11.1 Coupling point in interior, below left -TIUL-

A -

17-pin connector -T17j- , white/ 17-pin connector -T17p- , white

B -

17-pin connector -T17h- , green/ 17-pin connector -T17q- , green

C -

Single-pin connector -T1aj- , black/ single-pin connector -T1ai- , black

❑ Only models with hybrid drive system

D -

17-pin connector -T17e- , brown/ 17-pin connector -T17m- , brown

E -

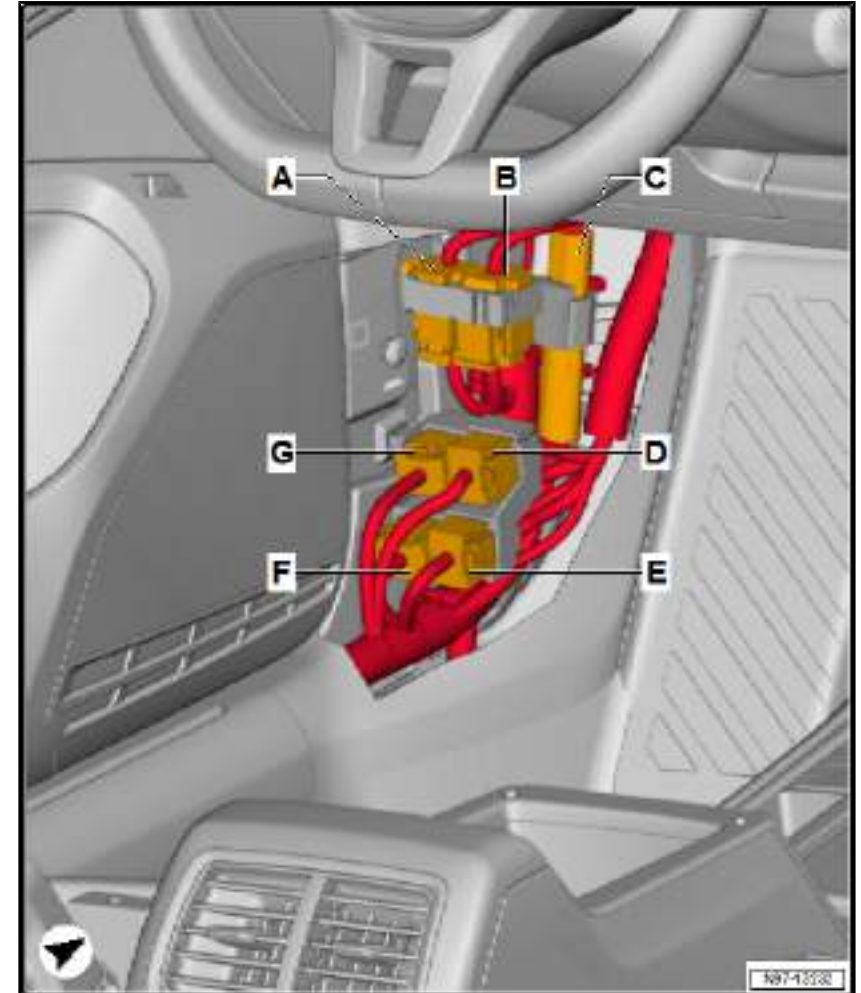
17-pin connector -T17g- , blue/ 17-pin connector -T17o- , blue

F -

17-pin connector -T17f- , red/ 17-pin connector -T17n- , red

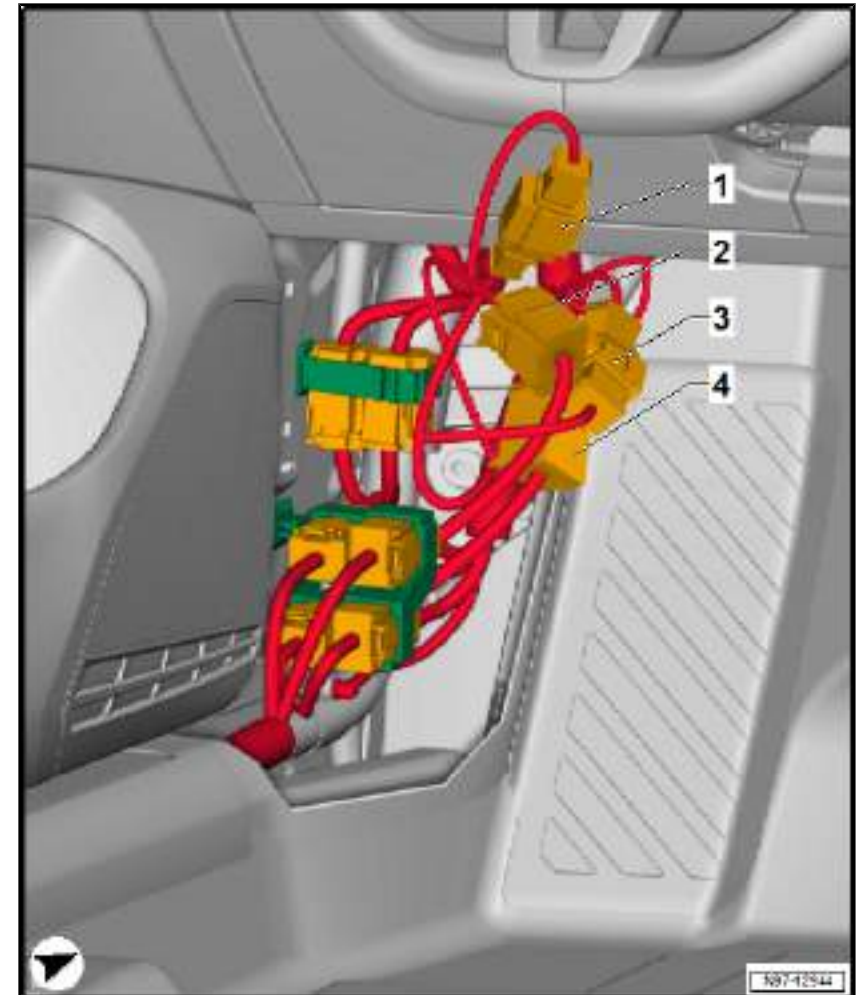
G -

17-pin connector -T17d- , black/ 17-pin connector -T17l- , black



1.11.2 Coupling point in interior, below left -TIUL- , only vehicles with special equipment

- 1 -
2-pin connector -T2iy- , black/ 2-pin connector -T2iz- , black
☐ According to equipment
- 2 -
4-pin connector -T4cn- , black/ 4-pin connector -T4co- , black
☐ According to equipment
- 3 -
6-pin connector -T6ae- , black/ 6-pin connector -T6ad- , black
☐ According to equipment
- 4 -
6-pin connector -T6au- , black/ 6-pin connector -T6av- , black
☐ According to equipment



1.12 Coupling point for front left seat -TSVL-

1.12.1 Coupling point for front left seat -TSVL- , left-hand drive models

A -

2-pin connector -T2fw- , black/ 2-pin connector -T2fx- , black

❑ Up to November 2016

B -

3-pin connector -T3cy- , yellow/ 3-pin connector -T3cz- , yellow

C -

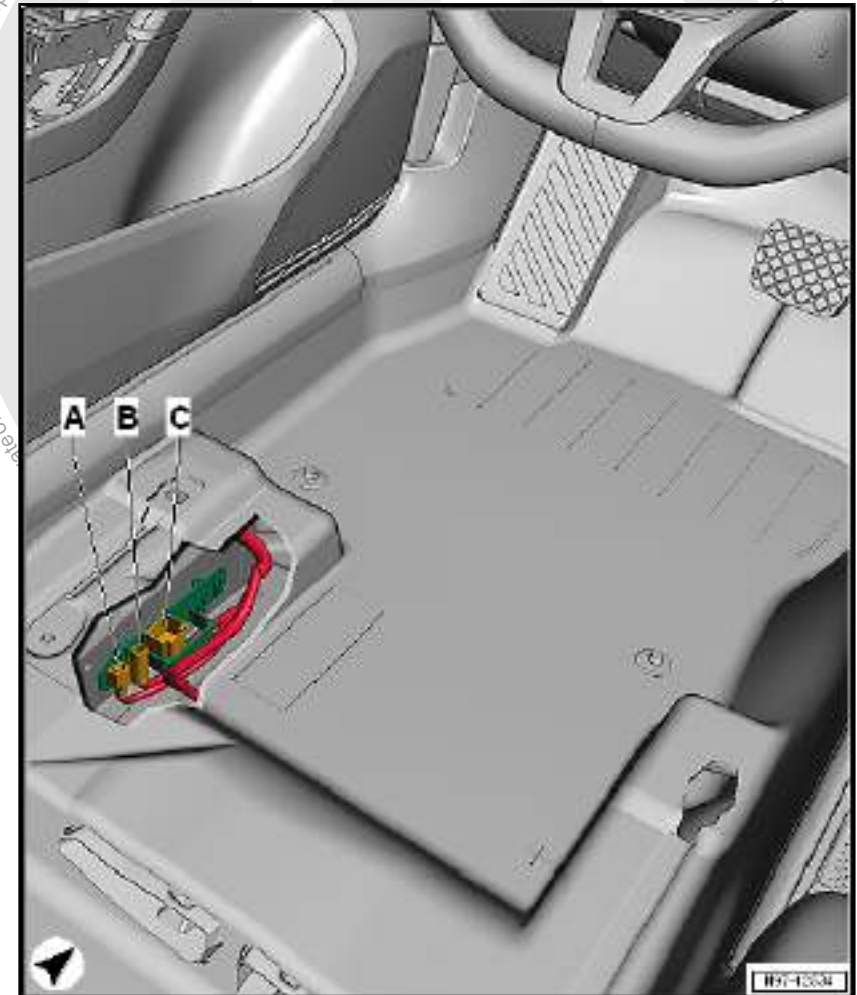
10-pin connector -T10a- , black/ 10-pin connector -T10w- , black

❑ Up to November 2016

C -

17-pin connector -T17t- , red/ 17-pin connector -T17u- , red

❑ From November 2016



1.12.2 Coupling point for front left seat -TSVL- , right-hand drive models

A - not assigned

B - 3-pin connector -T3cy- , yellow/ 3-pin connector -T3cz- , yellow

C - 10-pin connector -T10a- , black/ 10-pin connector -T10w- , black

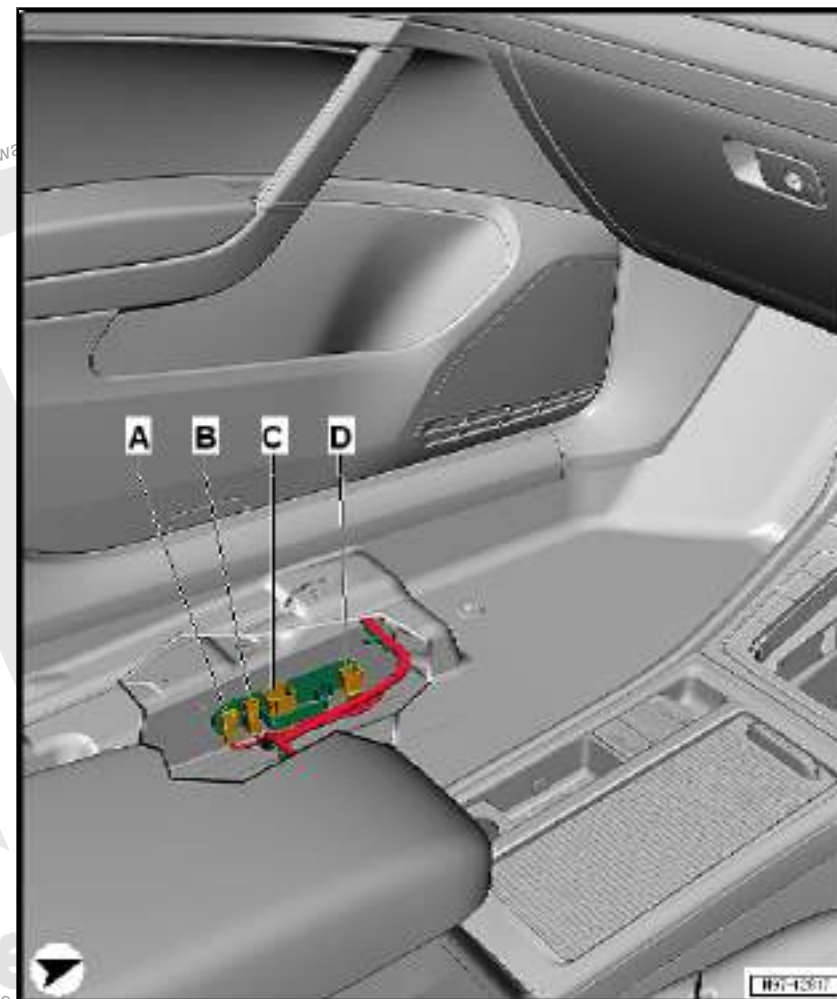
❑ Up to November 2016

C - 17-pin connector -T17t- , red/ 17-pin connector -T17v- , red

❑ From November 2016

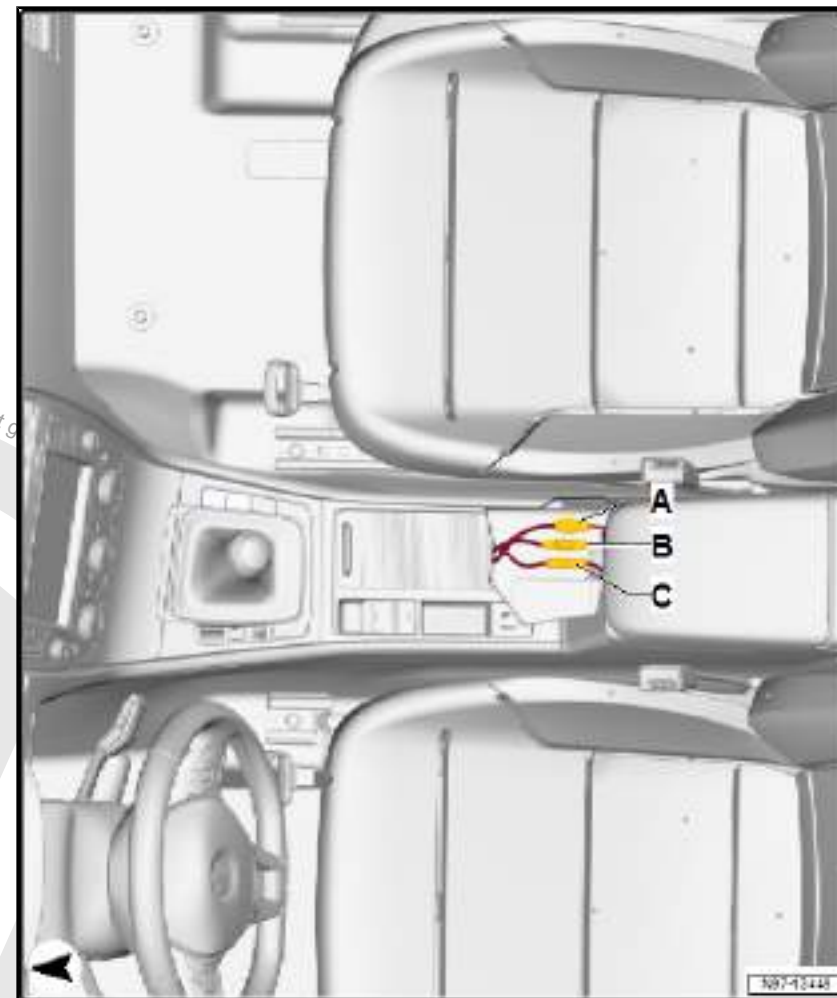
D - 4-pin connector -T4ee- , black/ 4-pin connector -T4ef- , black

❑ Up to November 2016



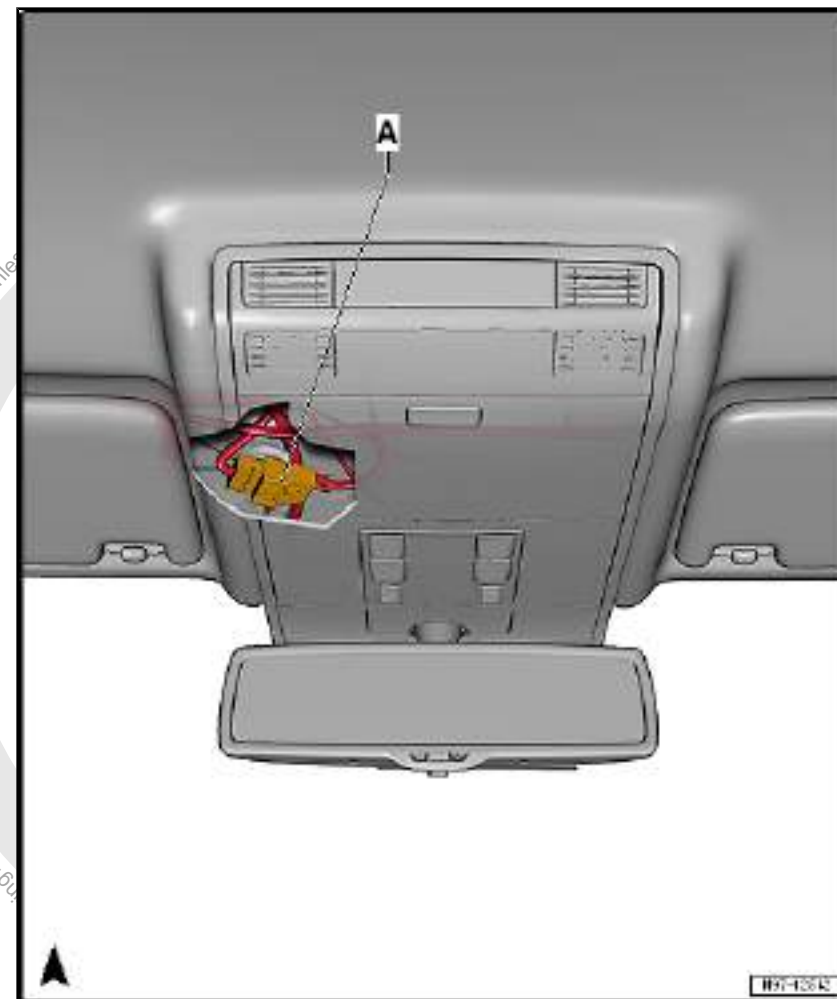
1.13 Coupling point in interior -TI-

- A -
4-pin connector -T4fn- , brown/ 4-pin connector -T4fo- , brown
- B -
5-pin connector -T5bg- , green/ 5-pin connector -T5bf- , green
- C -
2-pin connector -T2kc- , purple/ 2-pin connector -T2kd- , purple



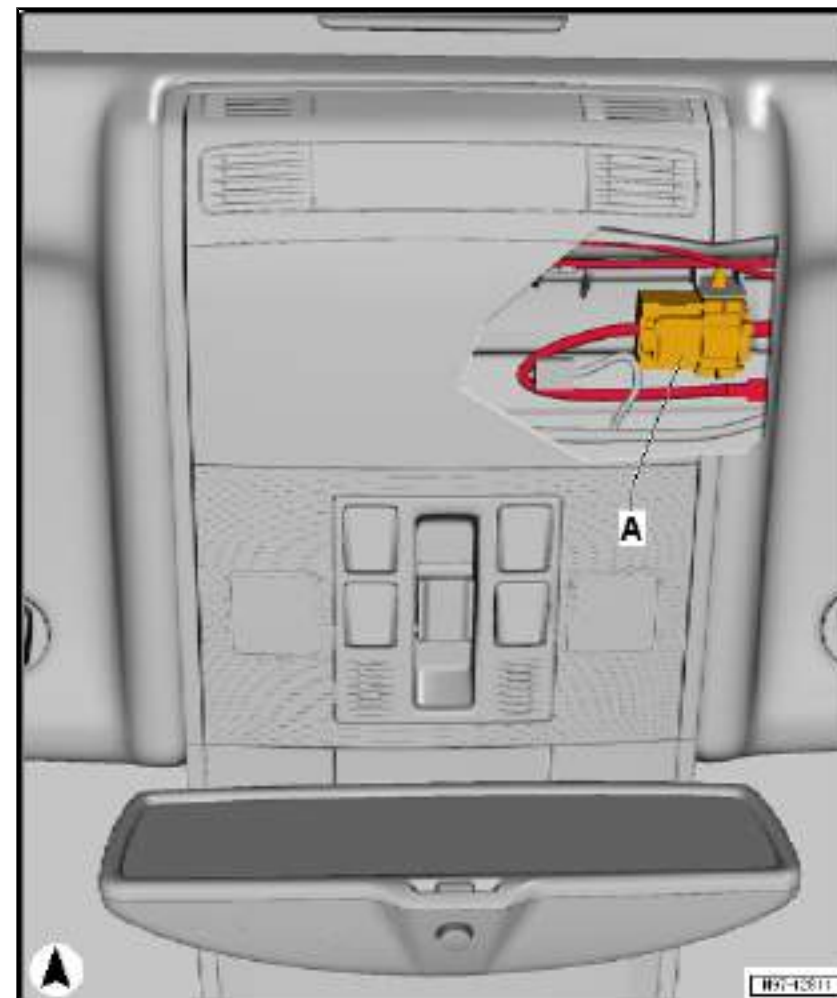
1.14 Coupling point on roof -TH-

A -
16-pin connector -T16j- / 16-pin connector -T16k-



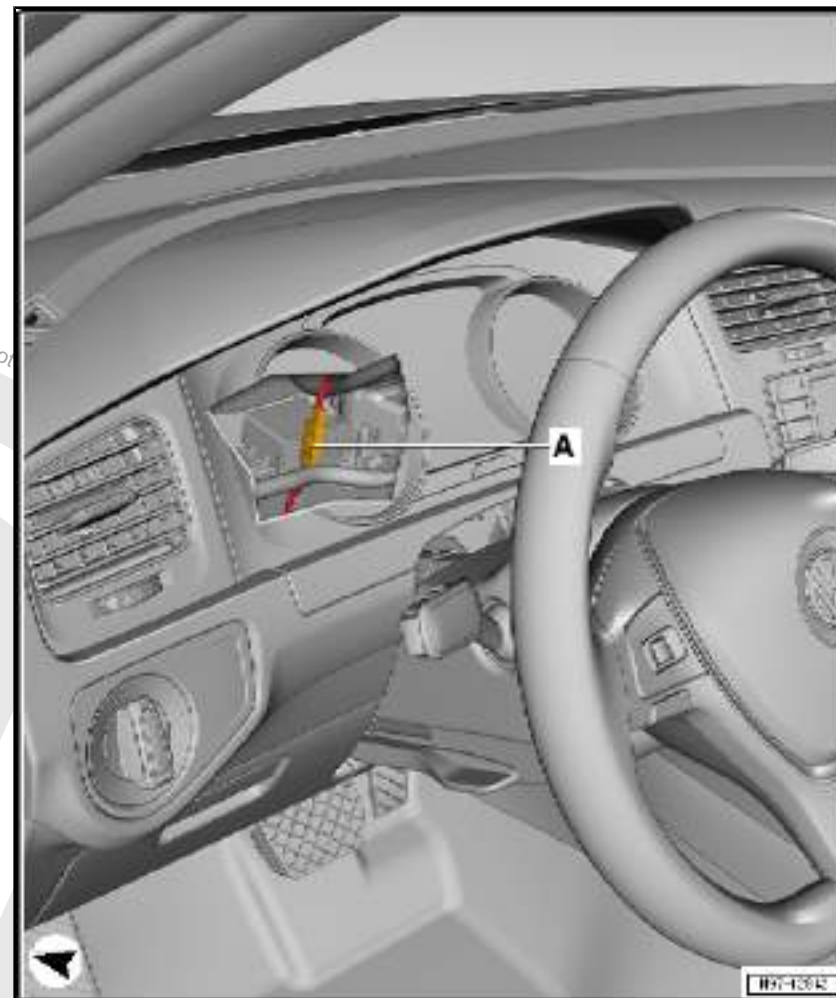
1.15 Coupling point for roof, centre -THM-

A -
6-pin connector -T6cr- / 6-pin connector -T6cp-



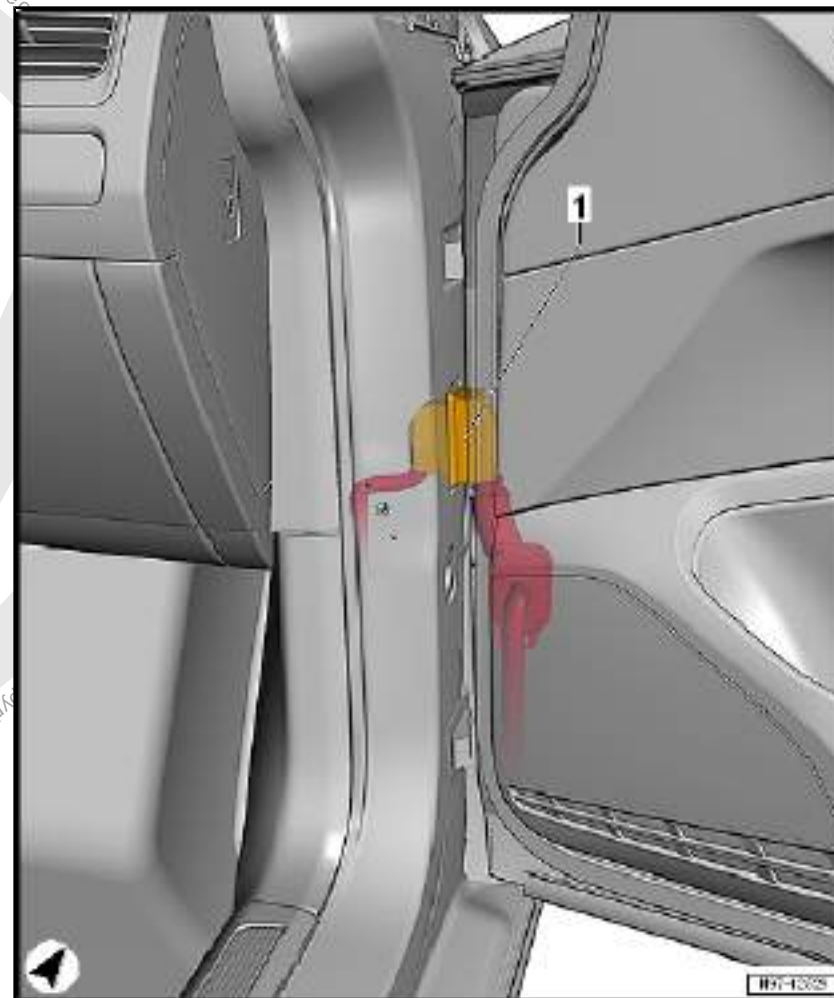
1.16 Coupling point in centre of interior -TIM-

A -
2-pin connector -T2iw- , black/ 2-pin connector -T2ix- , black



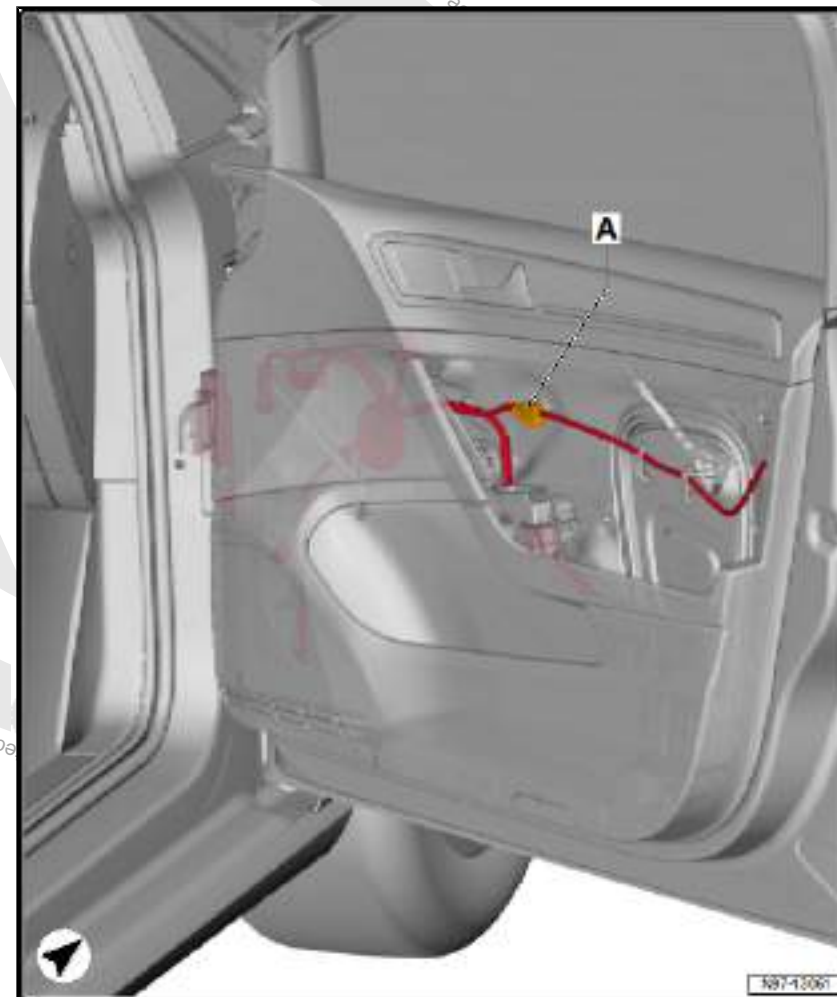
1.17 Coupling point on front right door -TTVR-

1 -
27-pin connector -T27a- , black/ 27-pin connector -T27c- , black



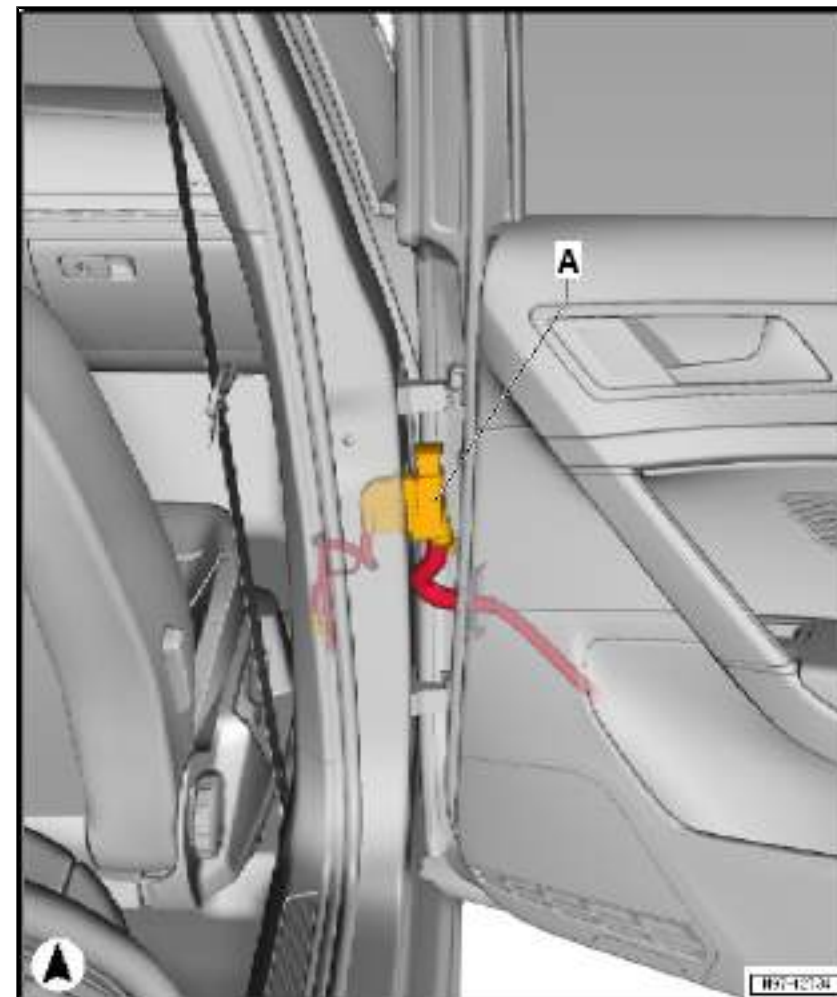
1.18 Coupling point in front right door -TTIVR-

A -
4-pin connector -T4ae- , black/ 4-pin connector -T4af- , black



1.19 Coupling point on rear right door -TTHR-

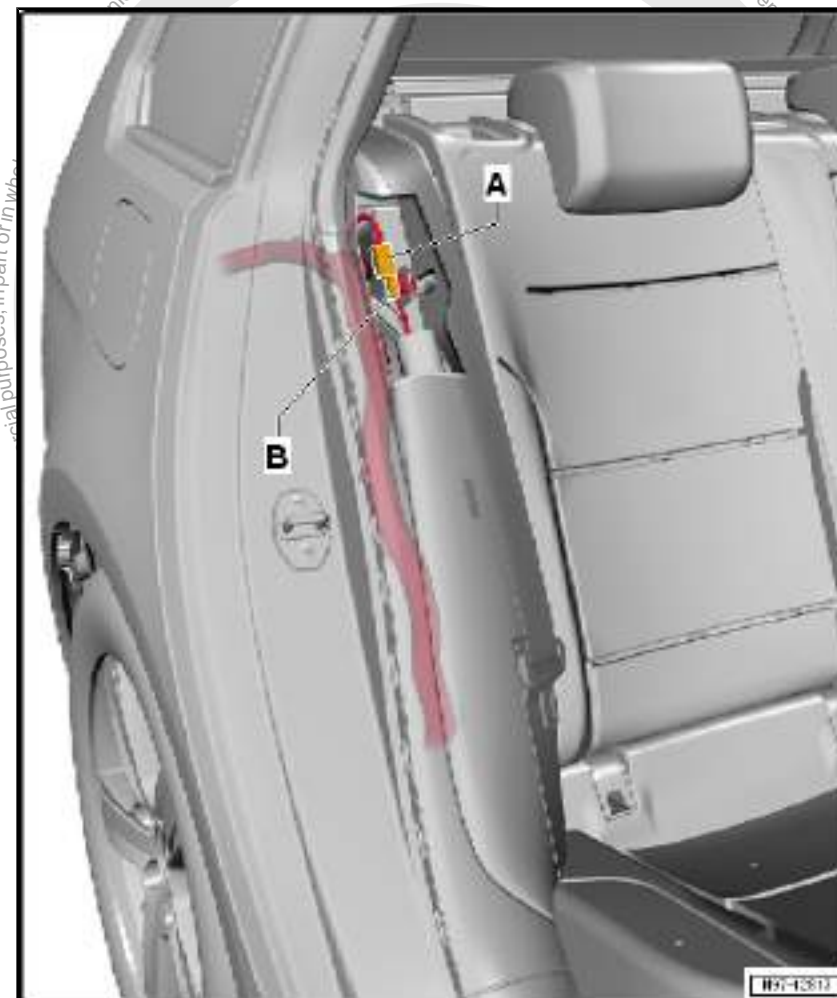
A -
19-pin connector -T19- , black/ 19-pin connector -T19a- , black



1.20 Coupling point for rear right seat -TSHR-

A - 3-pin connector -T3cu- , yellow

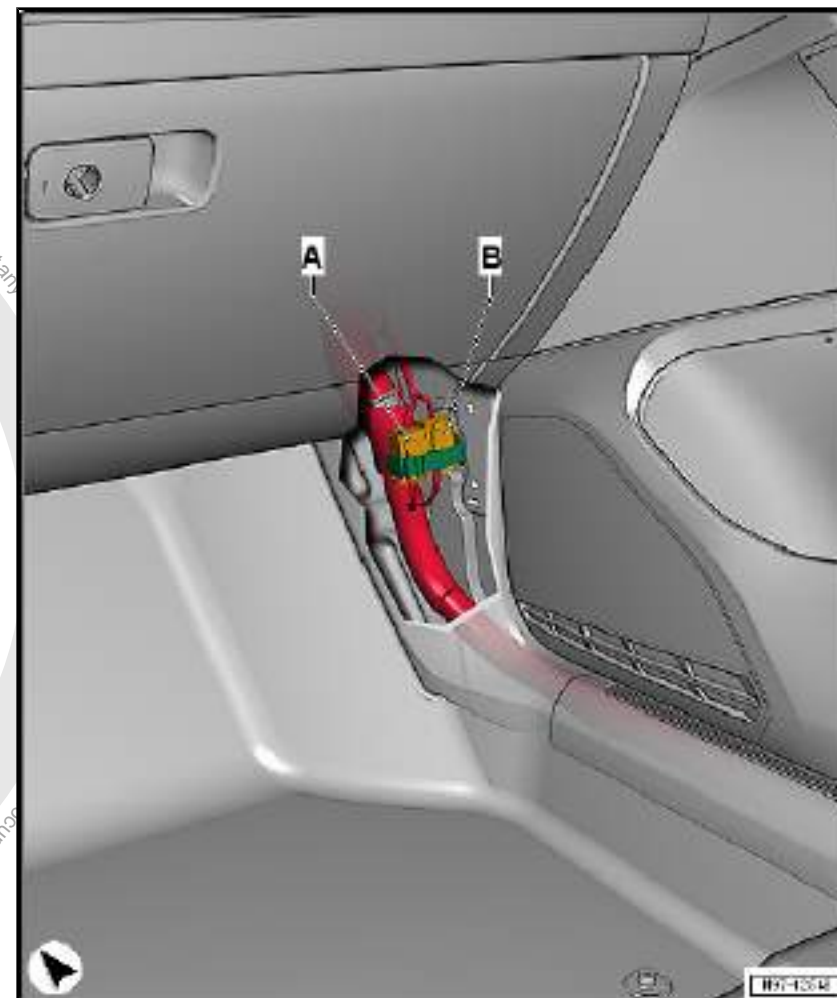
B - 3-pin connector -T3cv- , yellow



1.21 Coupling point in interior, below right -TIUR-

A -
17-pin connector -T17k- , brown/ 17-pin connector -T17s- , brown

B -
17-pin connector -T17i- , black/ 17-pin connector -T17r- , black

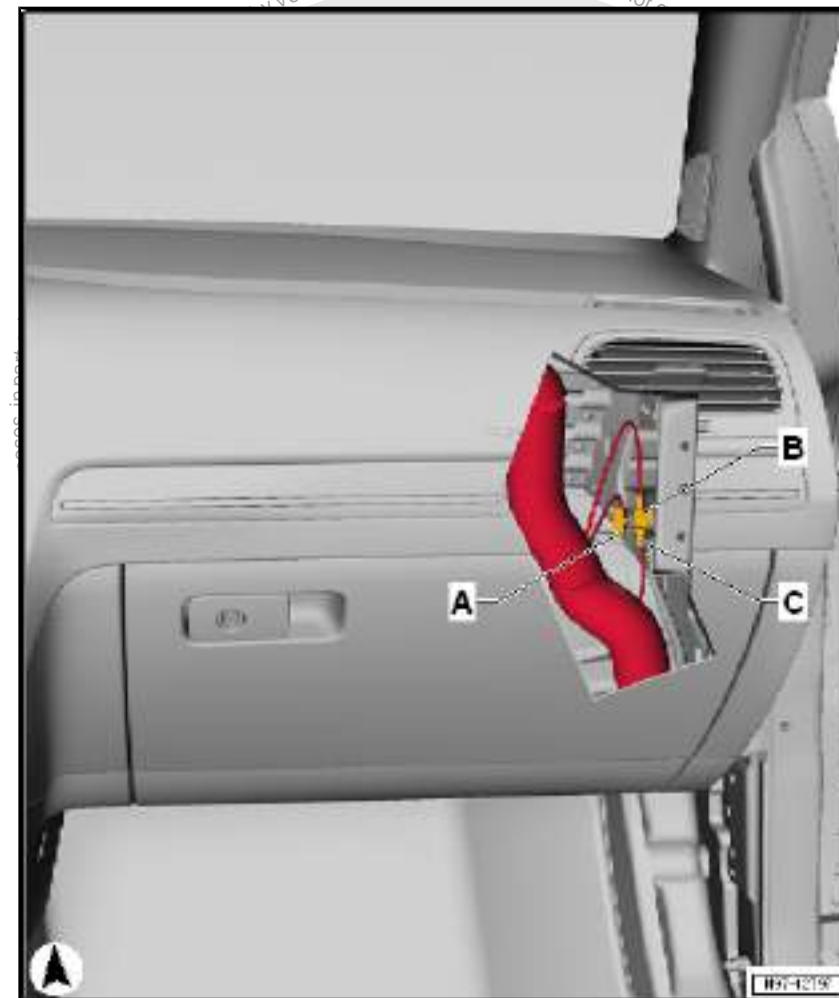


A - 2-pin connector -T2dy- , blue

□ Only up to May 2014

B - 2-pin connector -T2es- , black

C - 2-pin connector -T2et- , black



Note

When pre-equipped for trailer coupling at the factory, the 2-pin connector -T2es- and 2-pin connector -T2et- are connected. When retrofitting a trailer coupling, the 2-pin connector -T2dy- and 2-pin connector -T2et- should be connected.

1.22 Coupling point for front right seat -TSVR-

1.22.1 Coupling point for front right seat -TSVR- , left-hand drive models

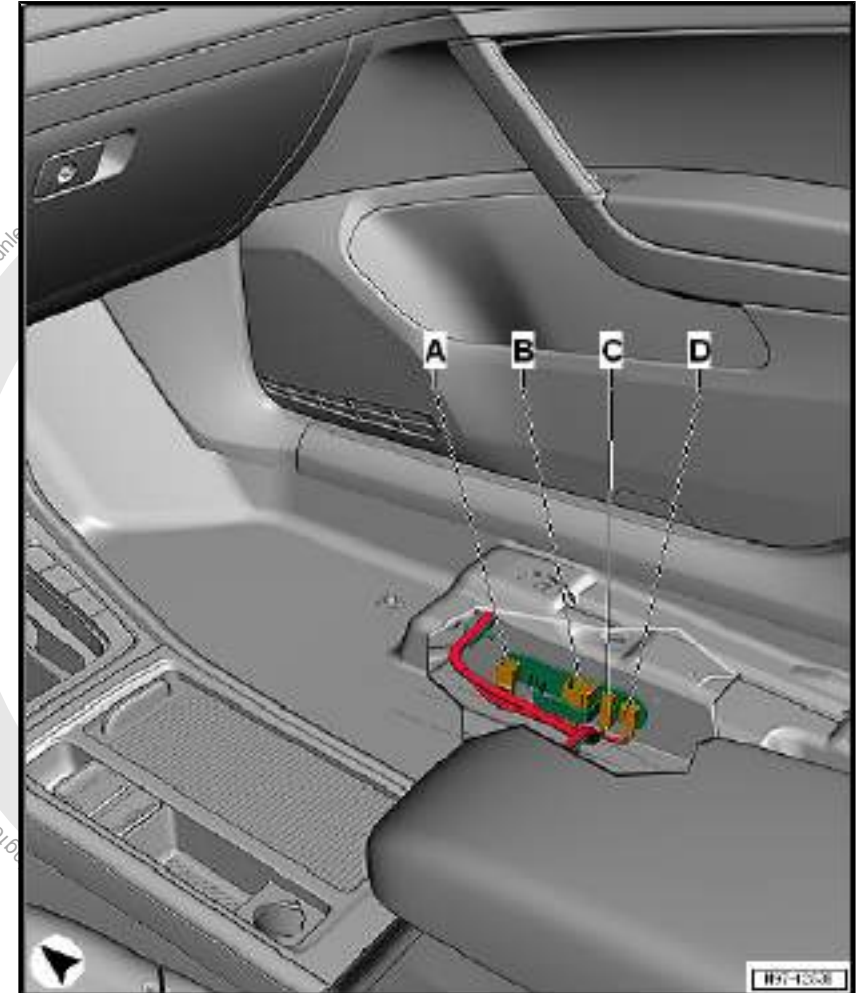
A - not assigned

B -
10-pin connector -T10b- , black/ 10-pin connector -T10x- , black
☐ Up to November 2016

B -
17-pin connector -T17v- , red/ 17-pin connector -T17w- , red
☐ From November 2016

C -
3-pin connector -T3db- , yellow/ 3-pin connector -T3dc- , yellow

D -
4-pin connector -T4ee- , black/ 4-pin connector -T4ef- , black
☐ According to equipment
☐ Up to November 2016



1.22.2 Coupling point for front right seat -TSVR- , right-hand drive models

A - 10-pin connector -T10x- , black/ 10-pin connector -T10b- , black

☐ Up to November 2016

A - 17-pin connector -T17v- , red/ 17-pin connector -T17w- , red

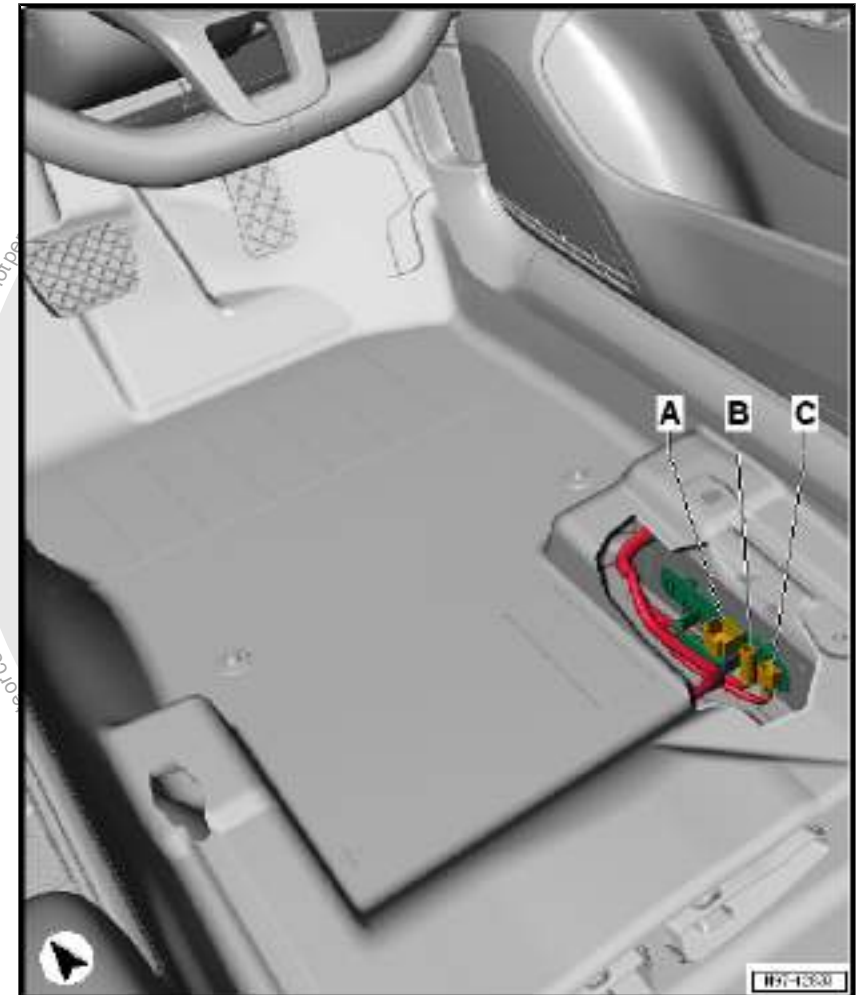
☐ From November 2016

B - 3-pin connector -T3db- , yellow/ 3-pin connector -T3dc- , yellow

C - 2-pin connector -T2fw- , black/ 2-pin connector -T2fx- , black

☐ According to equipment

☐ Up to November 2016



1.23 Coupling point on rear lid -THK-

A -
10-pin connector -T10l- , brown/ 10-pin connector -T10n- , brown

B -
10-pin connector -T10d- , black/ 10-pin connector -T10p- , black



A -
2-pin connector -T2kr- , black/ 2-pin connector -T2ks- , black

- ☐ For reversing camera (Rear Assist)



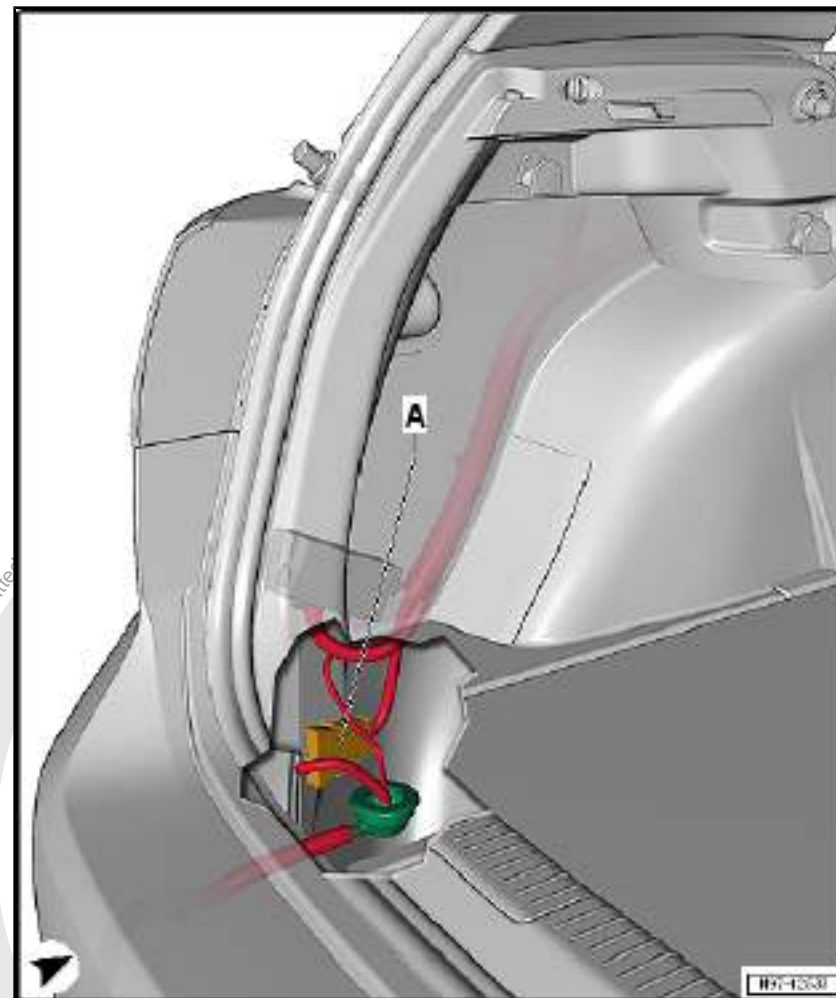
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1.24 Coupling point in left of luggage compartment -THRL-

A -
8-pin connector -T8aw- , black/ 8-pin connector -T8ba- , black



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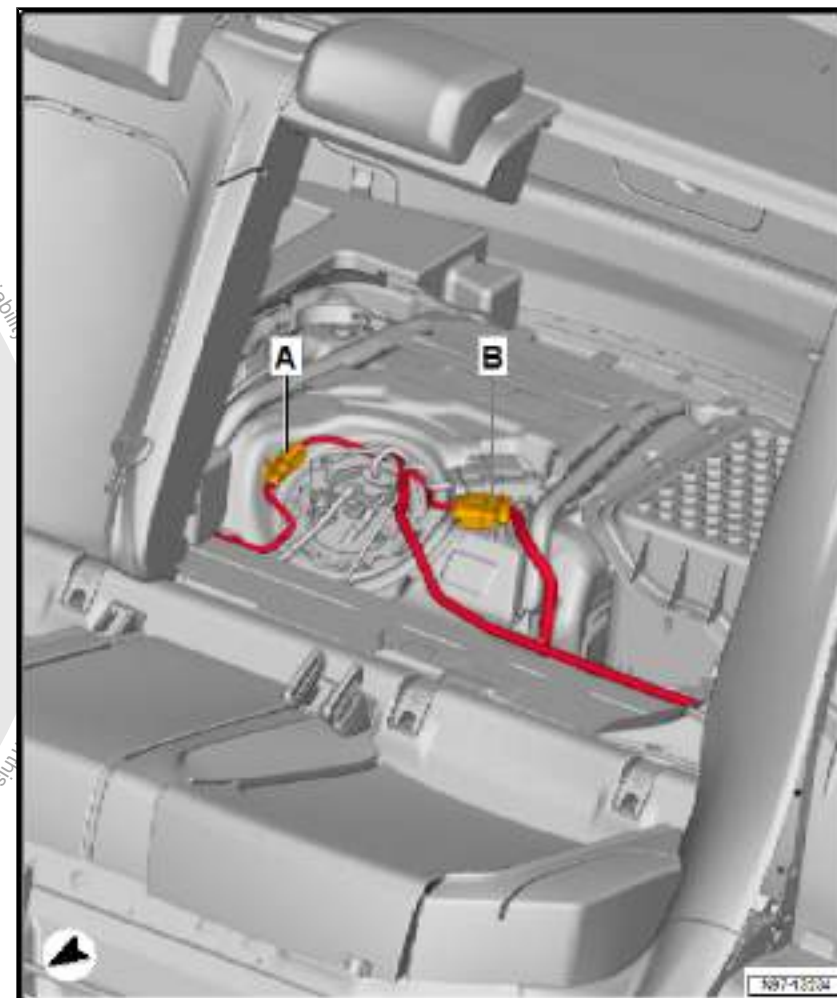
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1.25 Coupling point in luggage compartment, centre -THRM-, only models with hybrid drive system

A -
4-pin connector -T4cv-, black/ 4-pin connector -T4cw-, black

B -
14-pin connector -T14x-, black/ 14-pin connector -T14y-, black



1.26 Coupling point, in right of luggage compartment -THRR-

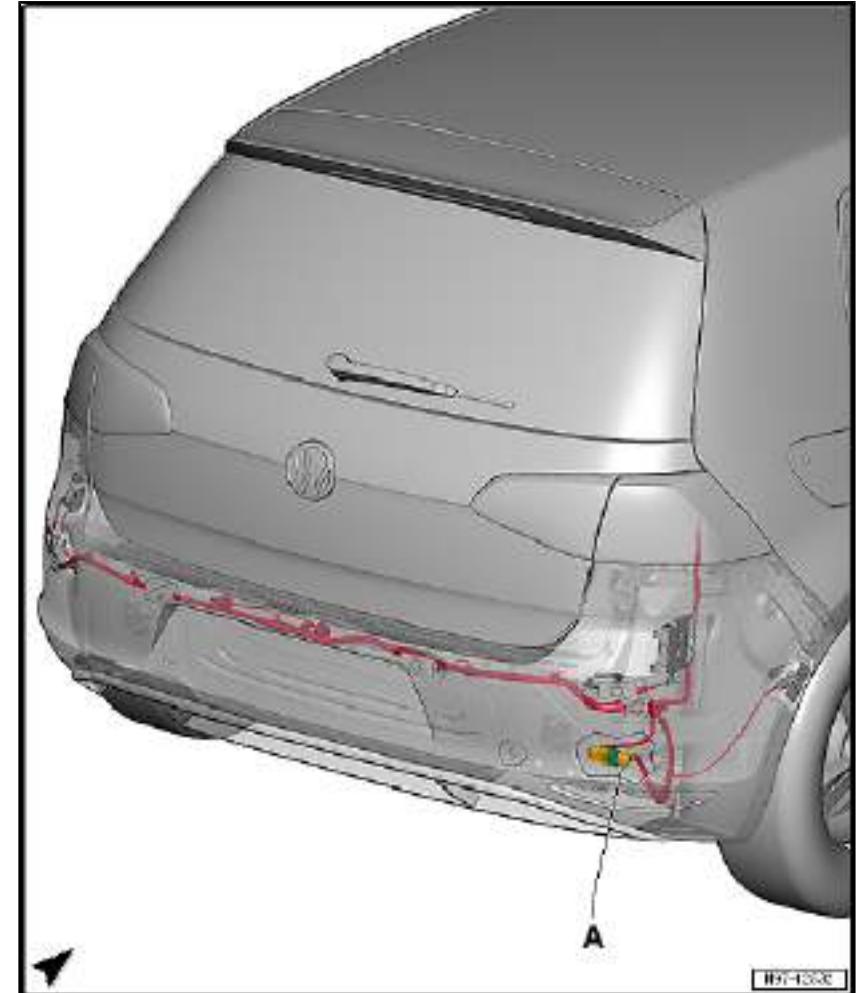
1.26.1 Coupling point, in right of luggage compartment -THRR-

A -
2-pin connector -T2ca- , black/ 2-pin connector -T2cb- , black

☐ According to equipment

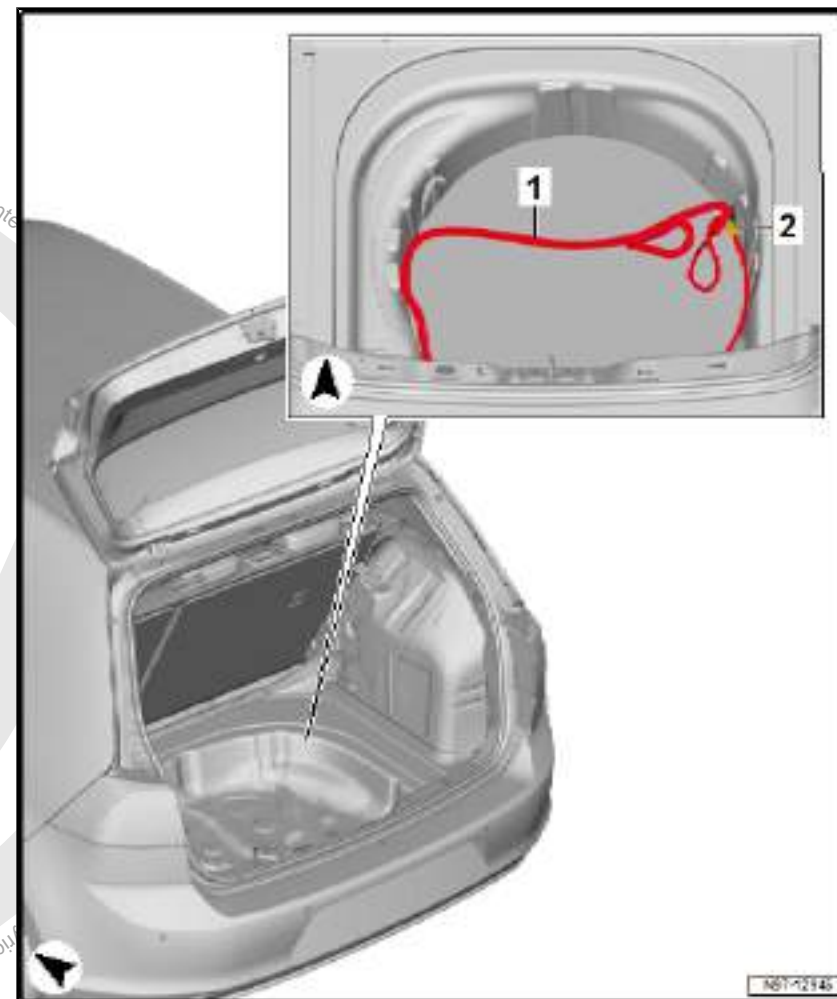
A -
10-pin connector -T10la- , black/ 10-pin connector -T10lf- , black

☐ According to equipment



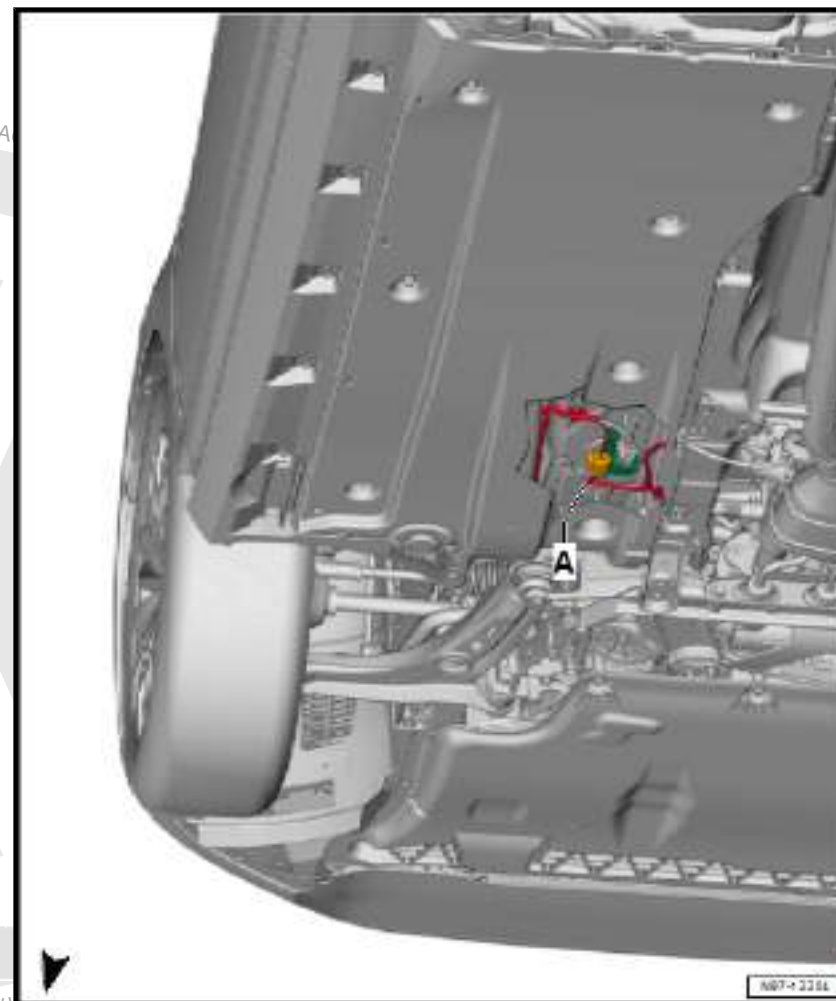
1.26.2 Coupling point in luggage compartment, right -THRR-, only models with special vehicle interface

2 -
8-pin connector -T8u-, black/ 8-pin connector -T8t-, black



1.27 Coupling point on rear cross member, left -TAQL-

A - 5-pin connector -T5ab- , brown/ 5-pin connector -T5ao- , brown



1.28 Coupling point for reducing agent metering system -TRMD-

A -
6-pin connector -T6de- , black/ 6-pin connector -T6df- , black

B -
10-pin connector -T10mw- , black/ 10-pin connector -T10mx- , black

