

**Basic equipment, Low (AW0)**

From June 2011



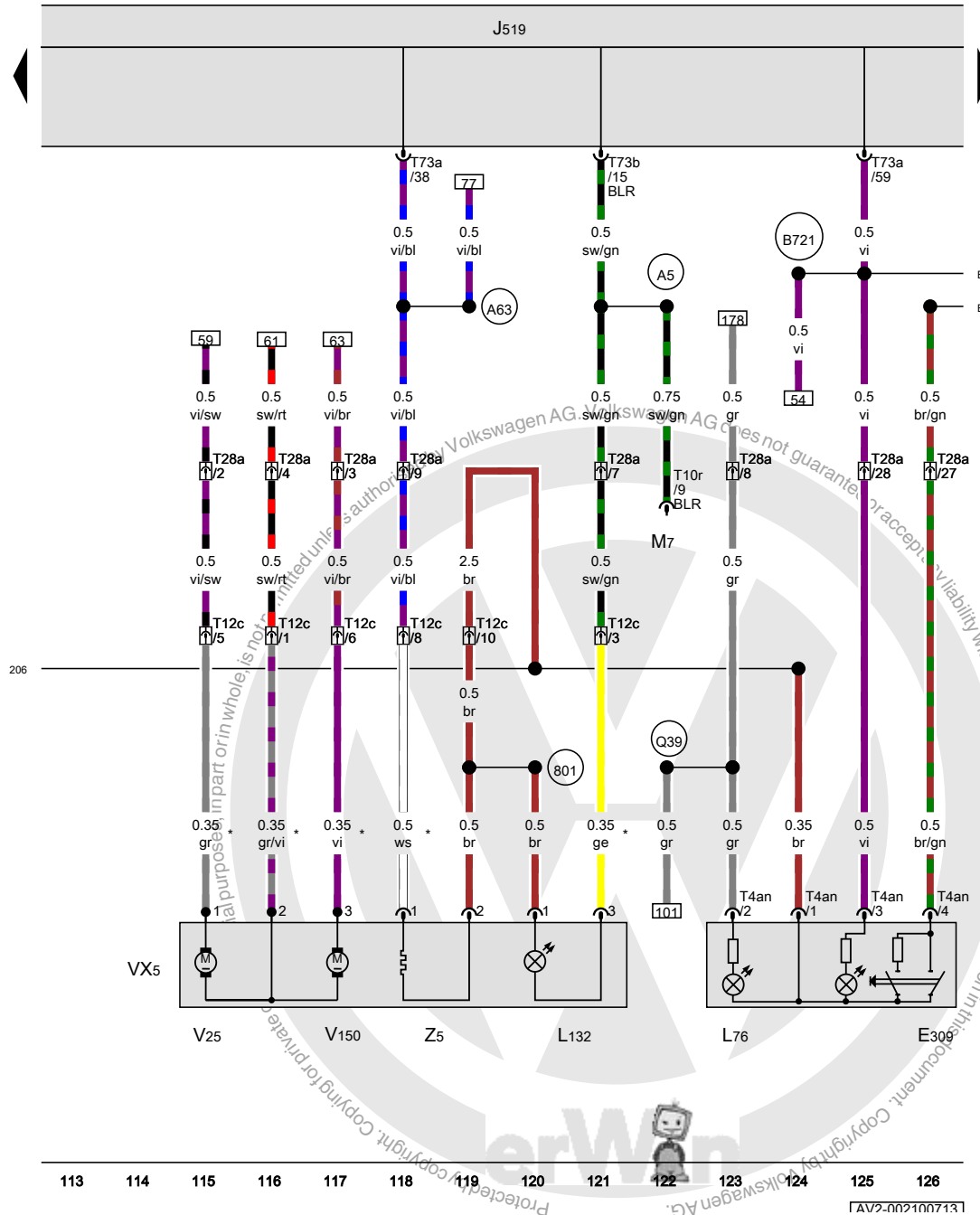
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Front passenger side interior locking button for central locking system, Onboard supply control unit, Front passenger side turn signal repeater bulb, Front passenger side exterior mirror

- E309 Front passenger side interior locking button for central locking system
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- M7 Front right turn signal bulb
- T4an 4-pin connector
- T10r 10-pin connector
- T12c 12-pin connector, in front passenger door
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector
- T73b 73-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

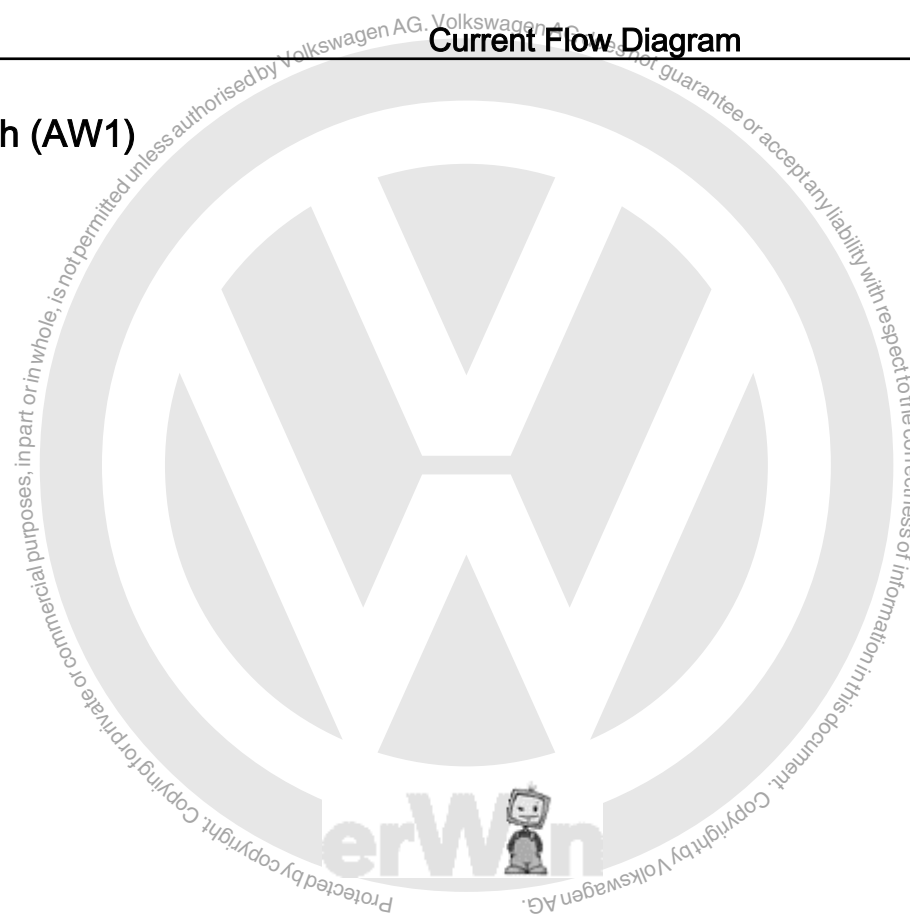
- 206 Earth connection, in front passenger door wiring harness
- 801 Earth connection 2, in external mirror wiring harness, in right door, near exterior mirror
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- B720 Connection 1 (central locking), in main wiring harness
- B721 Connection 2 (central locking), in main wiring harness
- Q39 Positive connection 2 (58b), in window regulator 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

**Convenience system, High (AW1)**

From June 2011

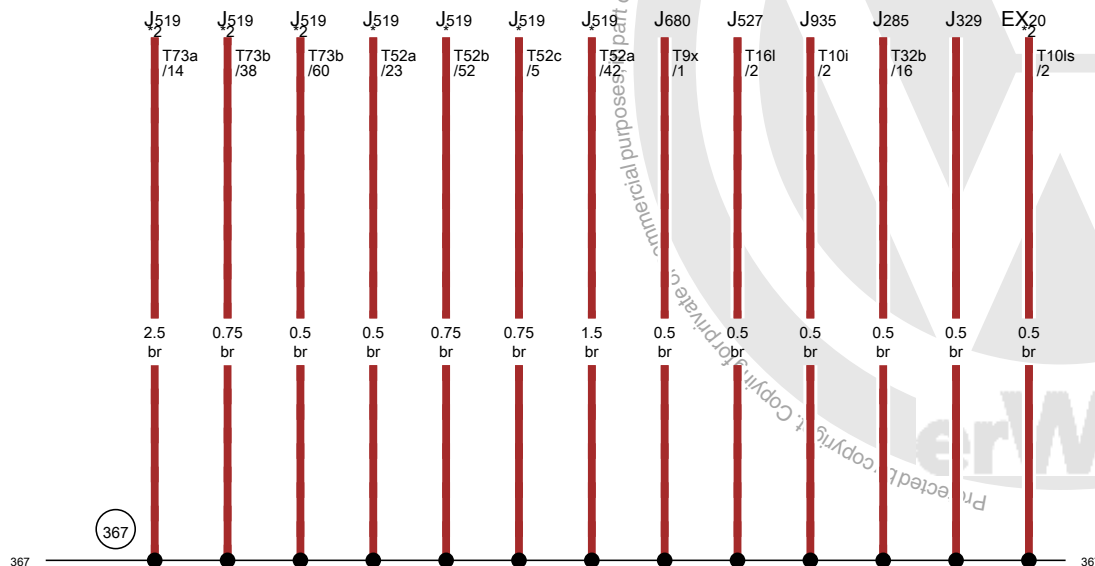


Earth connection 2, in main wiring harness

- EX20 Right steering column switch
- J285 Control unit in dash panel insert
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J680 Terminal 75 voltage supply relay 1
- J935 Converter box
- T9x 9-pin connector
- T10i 10-pin connector
- T10ls 10-pin connector
- T16l 16-pin connector
- T32b 32-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

367 Earth connection 2, in main wiring harness

- \* Only models with "High" equipment (AW1)
- \*2 Only models with "Low" equipment (AW0)
- \*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

239 240 241 242 243 244 245 246 247 248 249 250 251 252

[AV2-005190713]

## Dual clutch gearbox 0AM

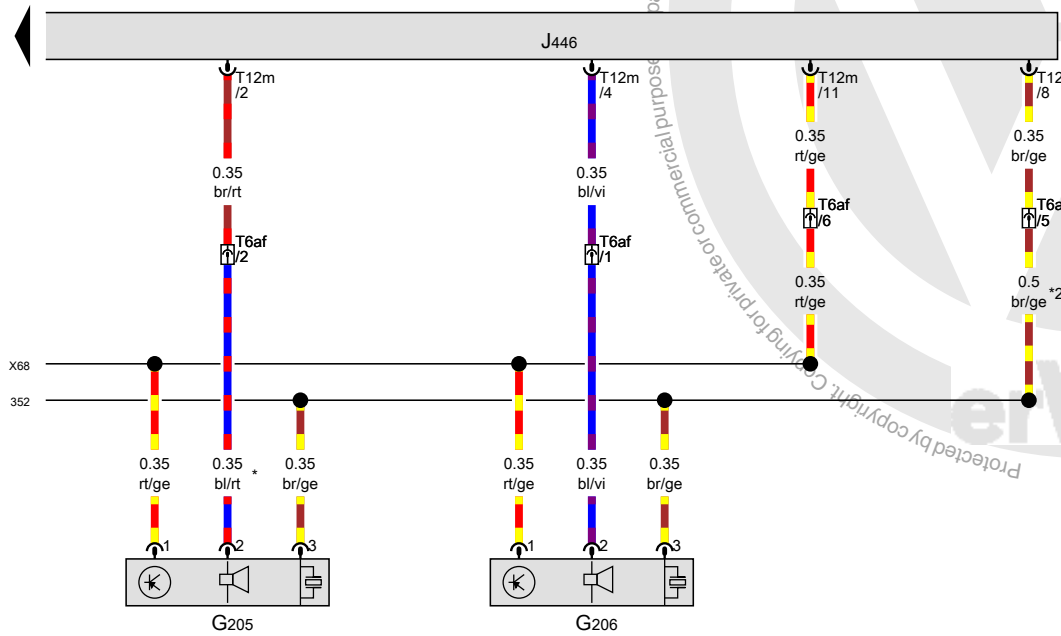
From November 2010



Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit

- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- J446 Parking aid control unit
- T6af 6-pin connector
- T12m 12-pin connector

- 352 Earth connection (parking aid), in rear bumper wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness
- \* Wiring colour depends on equipment
- \*2 Cross section depends on equipment



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- gr = grey
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- vi = purple
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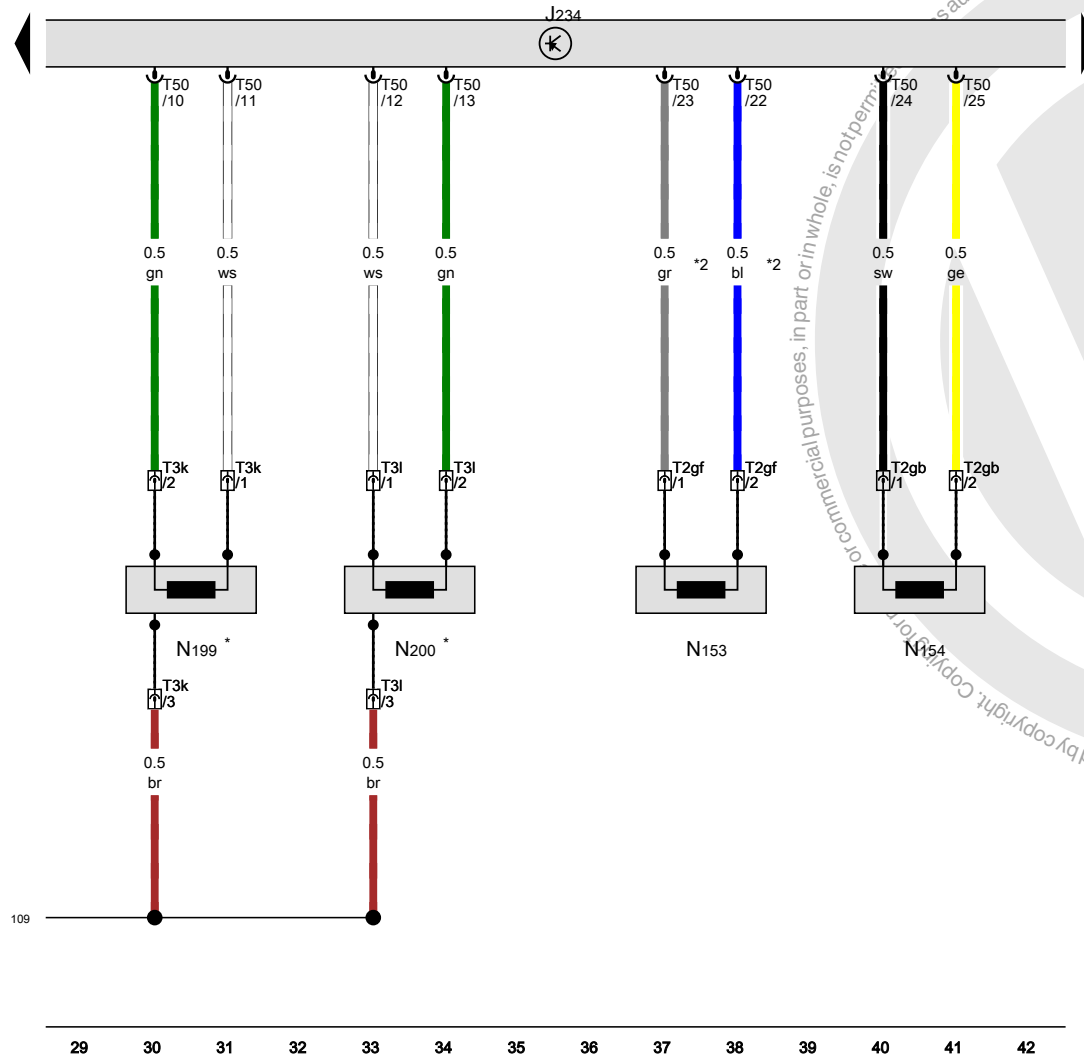
Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T2gb 2-pin connector
- T2gf 2-pin connector
- T3k 3-pin connector
- T3l 3-pin connector
- T50 50-pin connector

109 Earth connection, in airbag wiring harness

\* Only models with side airbags

\*2 Wiring colour depends on equipment



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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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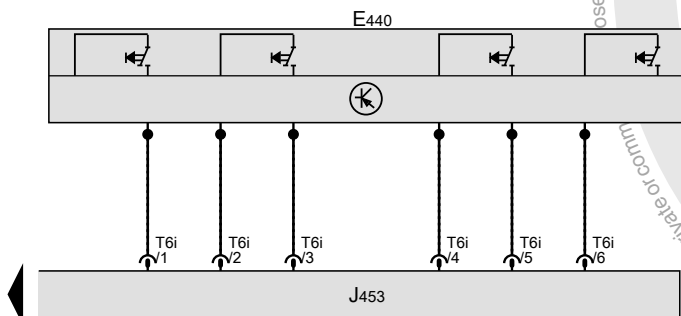
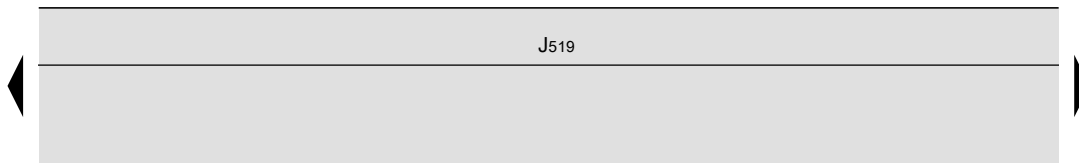
## Auxiliary heater with remote control and air conditioning system , (9AK)

From June 2011



Multifunction buttons on left in steering wheel, Multifunction steering wheel control unit, Onboard supply control unit

- E440 Multifunction buttons on left in steering wheel
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- T6i 6-pin connector



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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
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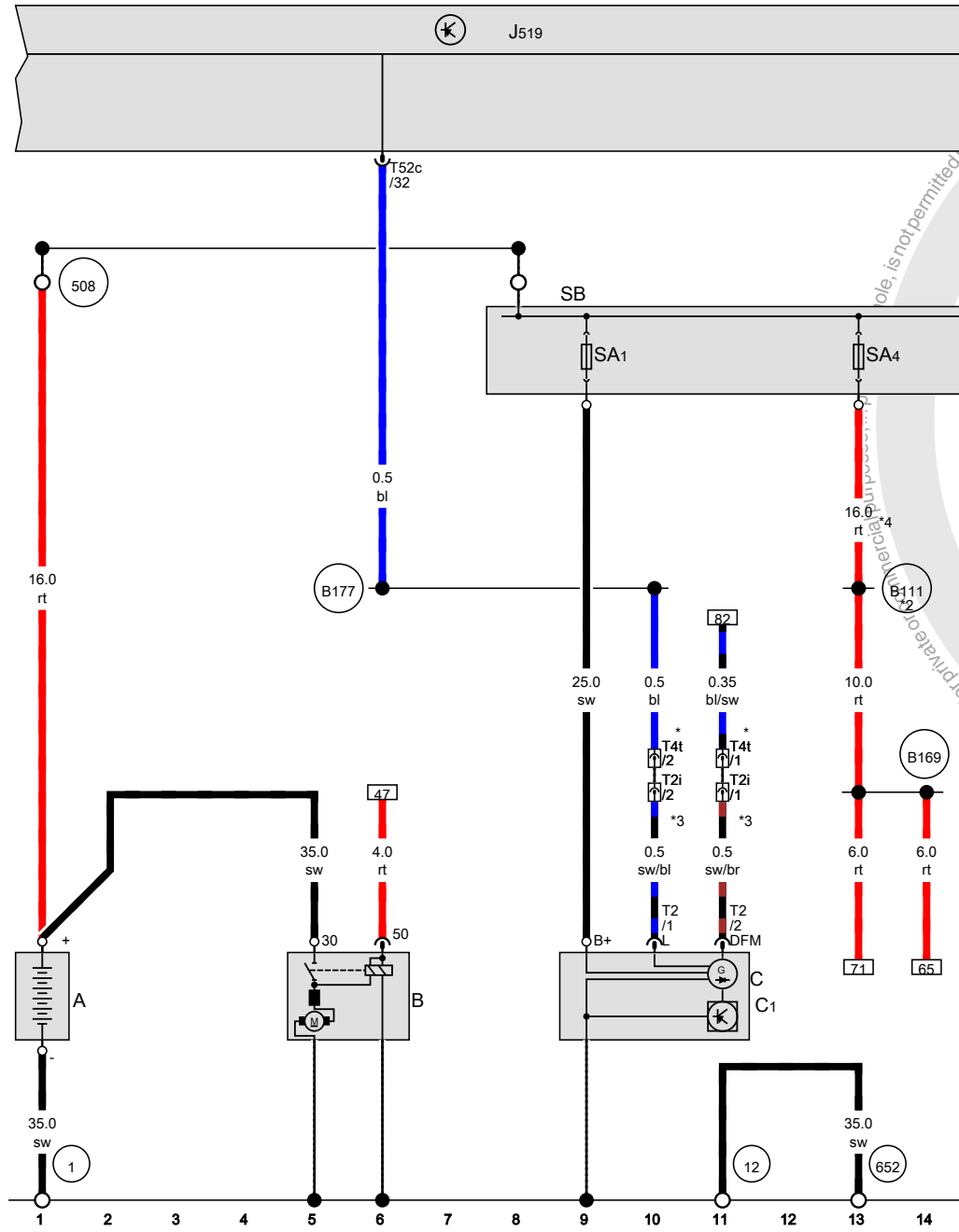
[AV2-037040713]



## Tail light cluster with LED

From June 2012





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

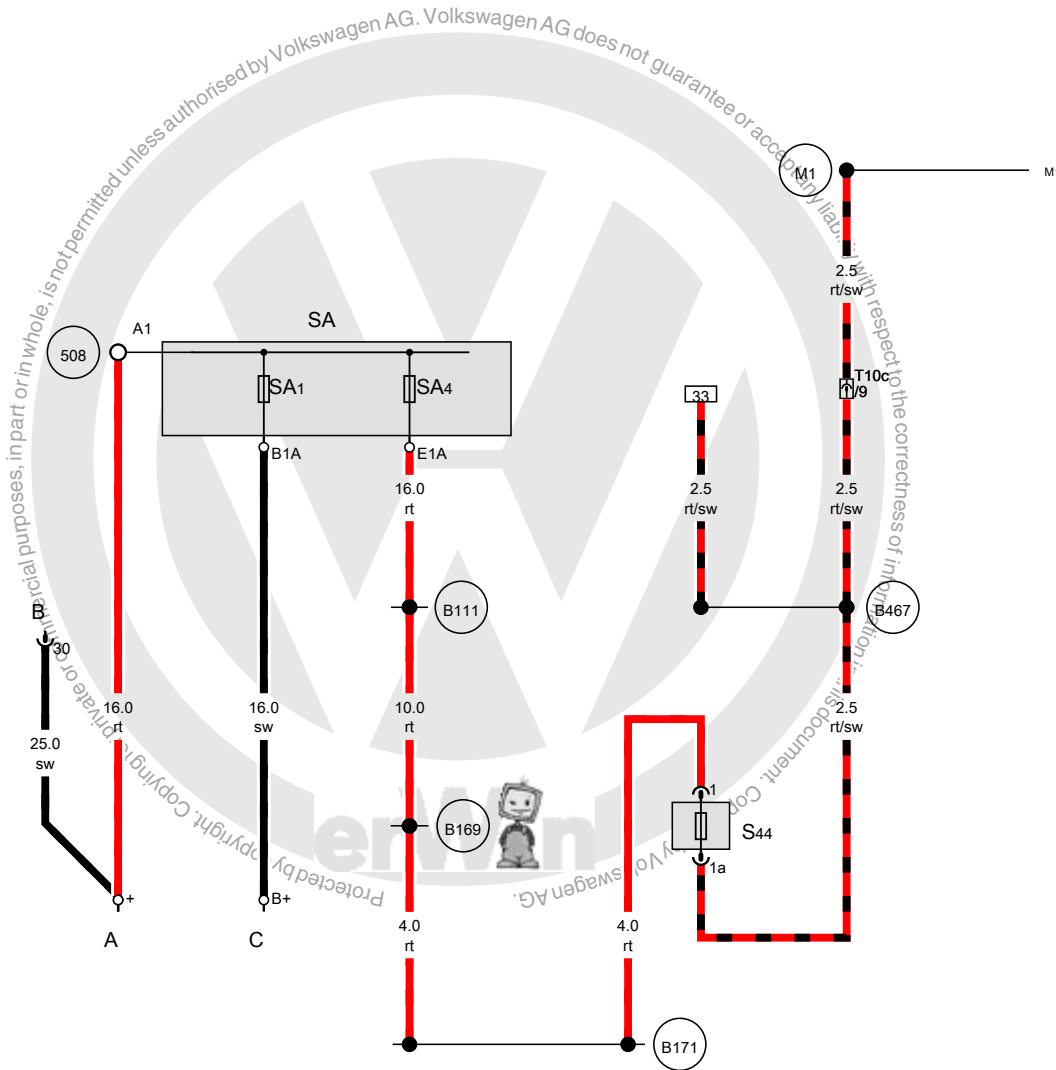
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- \* Only models with air conditioning system
- \*2 Gradually discontinued
- \*3 Only models with no air conditioning system
- \*4 Cross section depends on equipment

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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

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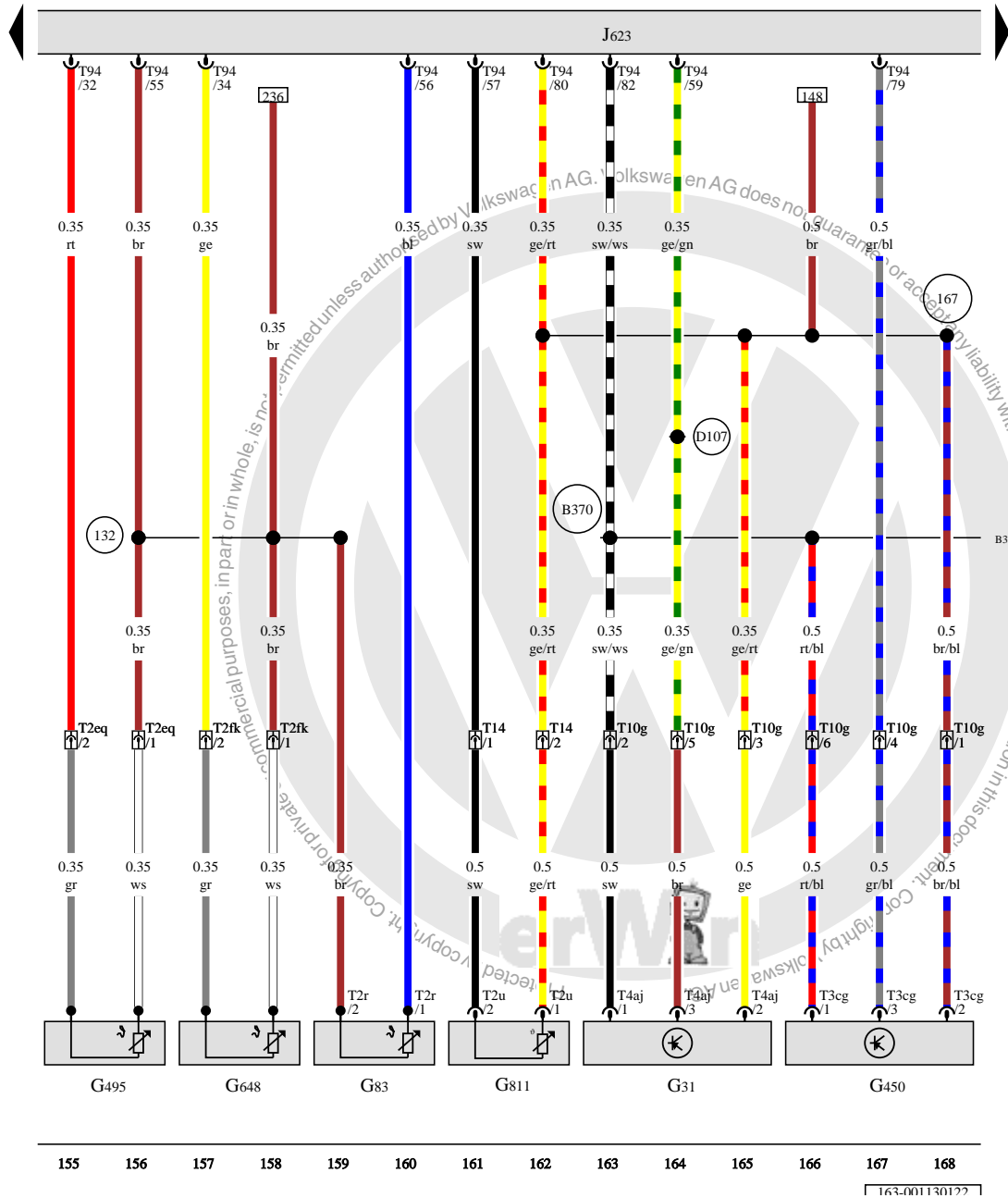
Fuse holder A

- A Battery
- B Starter
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- S44 Driver seat adjustment thermal fuse 1
- SA Fuse holder A
- T10c 10-pin connector, under driver seat
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B467 Connection 3, in main wiring harness
- M1 Positive connection 1 (30), in seat adjustment wiring harness

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- gr = grey
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- vi = purple
- ge = yellow
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1 2 3 4 5 6 7 8 9 10 11 12 13 14

[AV2-055020713]



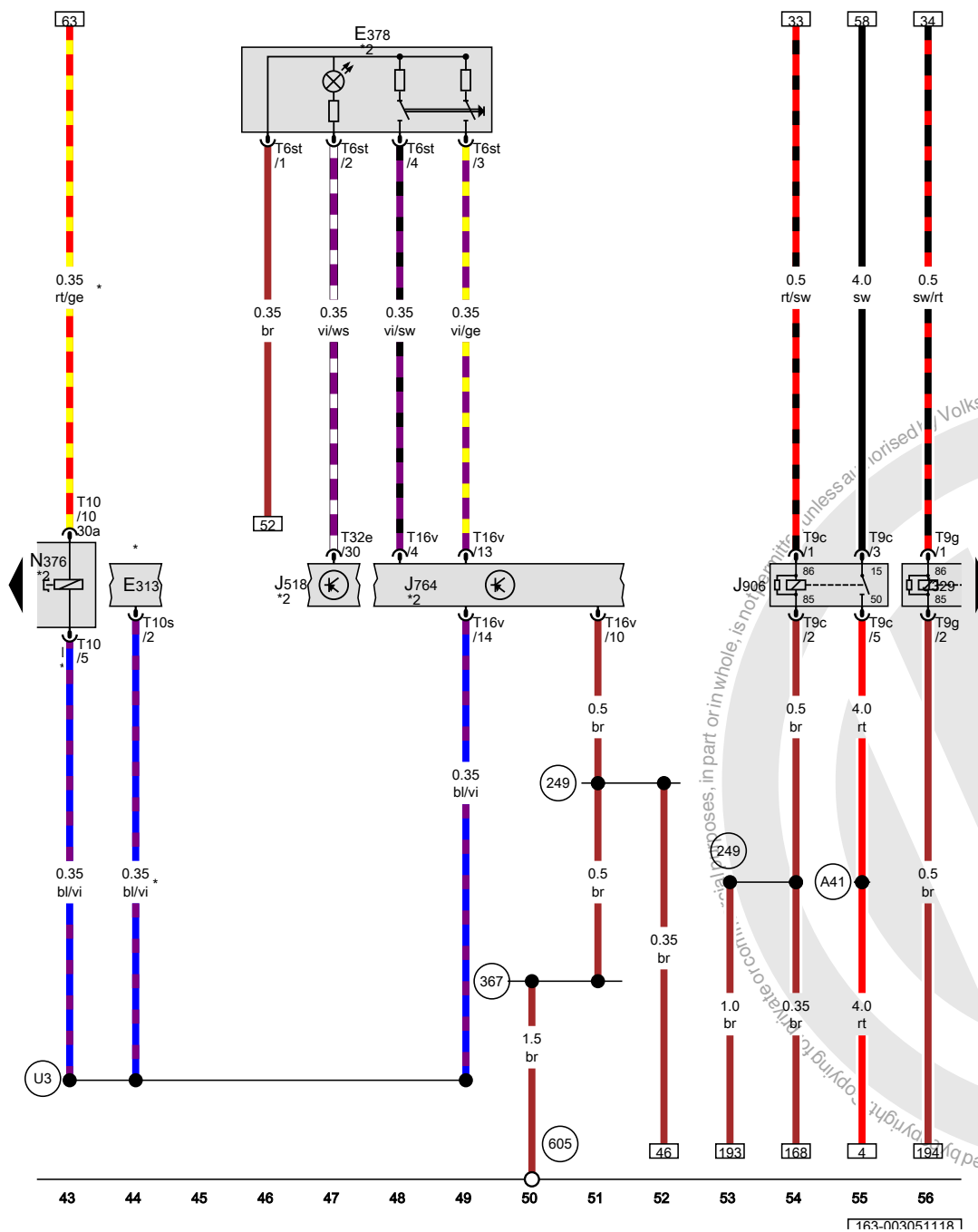
Charge pressure sender, Radiator outlet coolant temperature sender, Exhaust gas pressure sensor 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Charge air temperature sender after charge air cooler, Engine/motor control unit

- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G450 Exhaust gas pressure sensor 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- G811 Charge air temperature sender after charge air cooler
- J623 Engine/motor control unit
- T2eq 2-pin connector
- T2fk 2-pin connector
- T2r 2-pin connector
- T2u 2-pin connector
- T3cg 3-pin connector
- T4aj 4-pin connector
- T10g 10-pin connector, front left in engine compartment
- T14 14-pin connector
- T94 94-pin connector

- (132) Earth connection 3, in engine compartment wiring harness
- (167) Earth connection 4, in engine compartment wiring harness
- (B370) Connection 2 (5V), in main wiring harness
- (D107) Connection 5 in engine compartment wiring harness

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- gr = grey
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- vi = purple
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163-001130122



Ignition/starter switch, Starter button, Terminal 15 voltage supply relay, Entry and start authorisation control unit, Control unit for electronic steering column lock, Starter relay 1

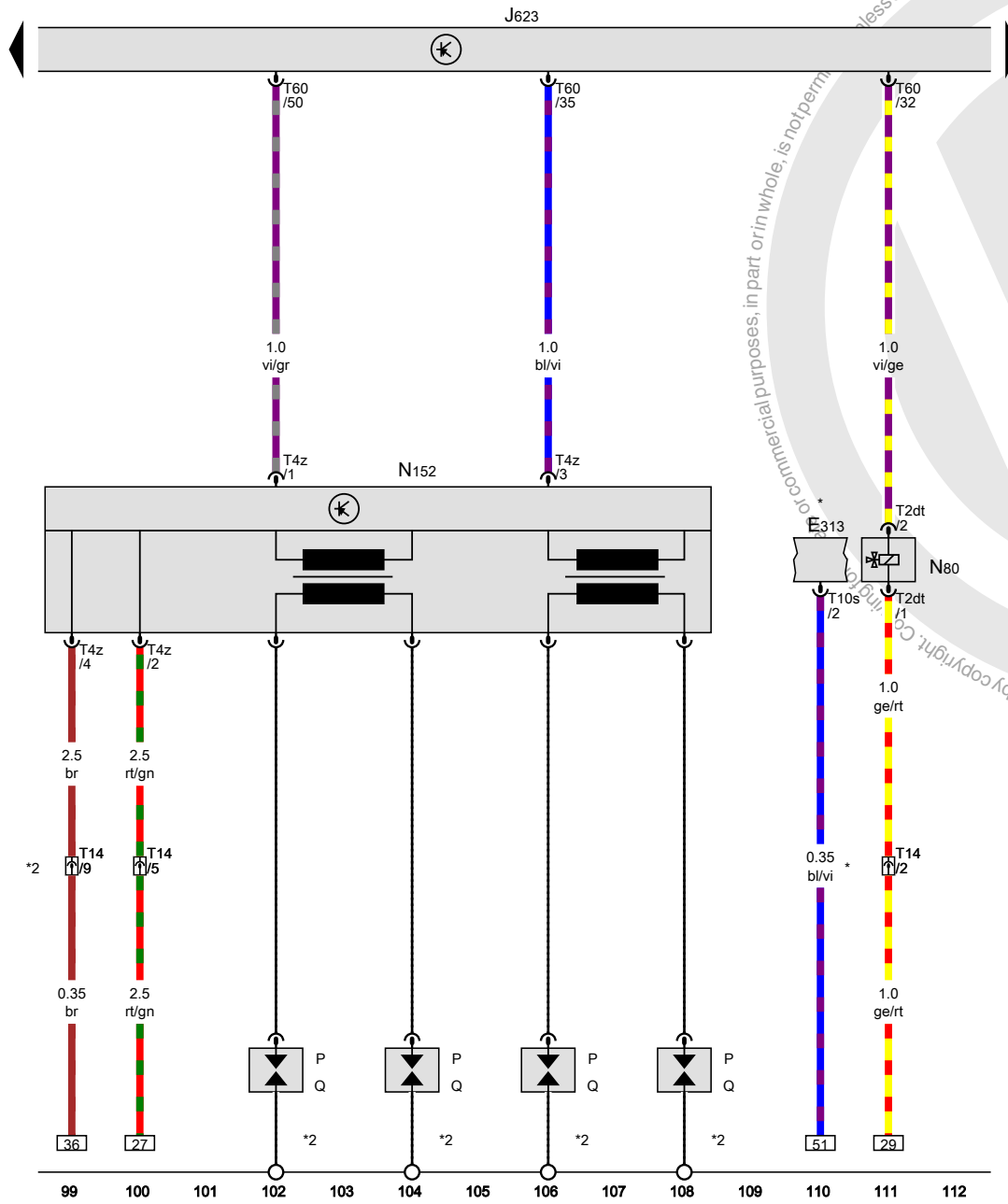
- D Ignition/starter switch
- E313 Selector lever
- E378 Starter button
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J764 Control unit for electronic steering column lock
- J906 Starter relay 1
- N376 Ignition key withdrawal lock solenoid
- T6st 6-pin connector
- T9c 9-pin connector
- T9g 9-pin connector
- T10 10-pin connector
- T10s 10-pin connector
- T16v 16-pin connector
- T32e 32-pin connector

- (249) Earth connection 2, in interior wiring harness
- (367) Earth connection 2, in main wiring harness
- (605) Earth point, on top end of steering column
- (A41) Positive connection (50), in dash panel wiring harness
- (U3) Connection 1, in automatic gearbox wiring harness
- \* For models with automatic gearbox
- \*2 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

163-003051118

Engine/motor control unit, Activated charcoal filter solenoid valve 1, Spark plug connector, Spark plugs

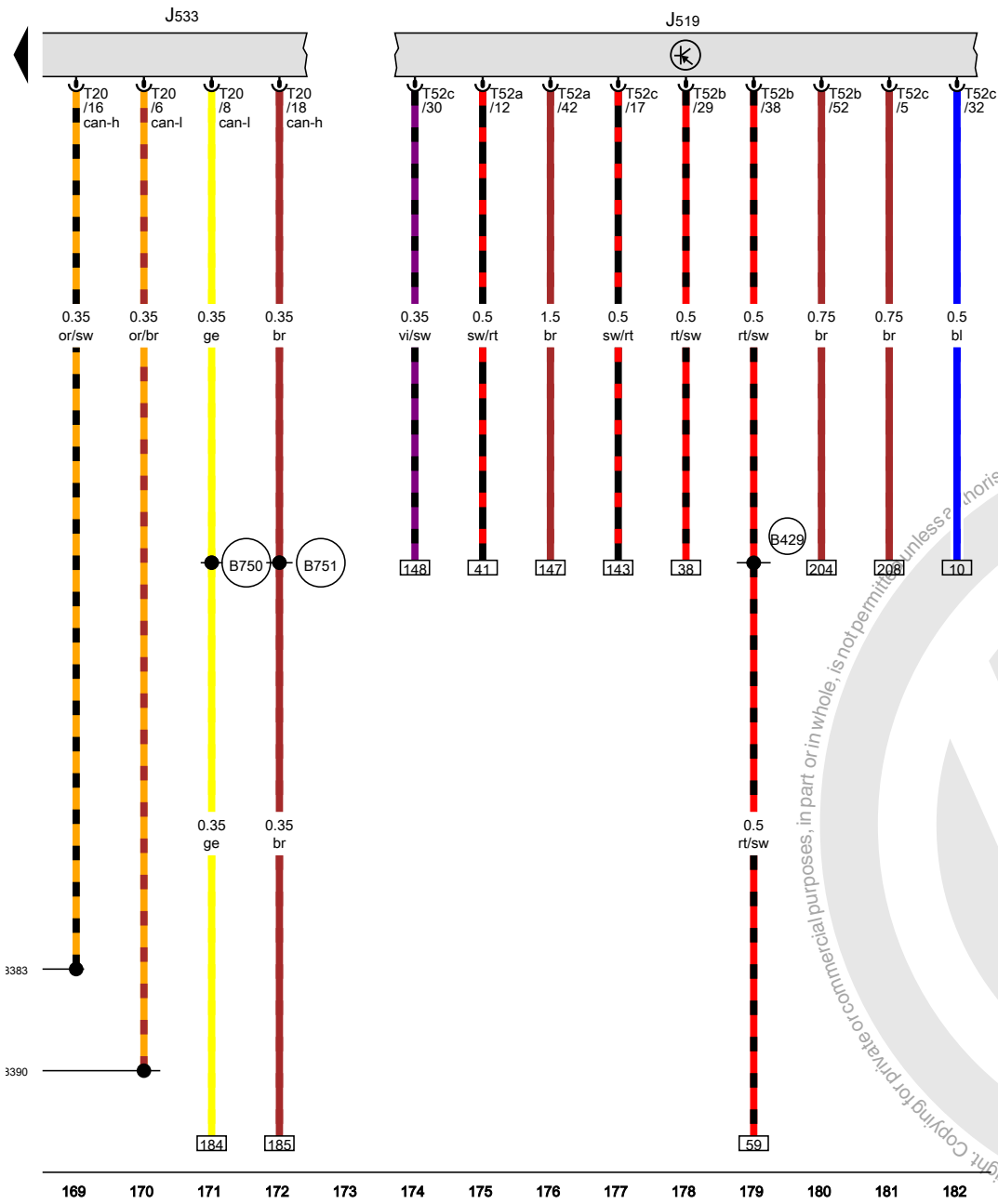


- E313 Selector lever
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T2dt 2-pin connector
- T4z 4-pin connector
- T10s 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- \* For models with automatic gearbox
- \*2 Earth supply via housing

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

163-00590717

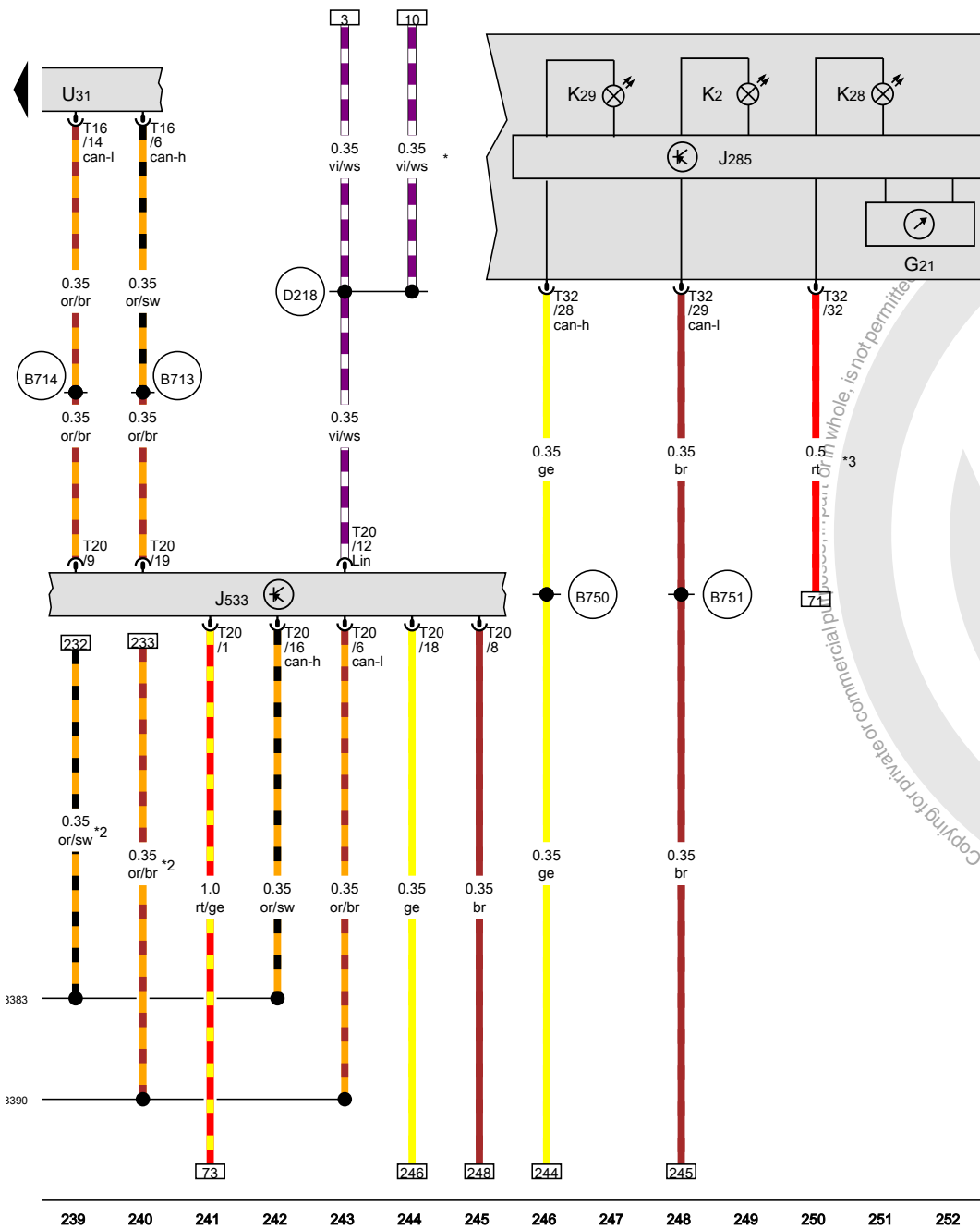
Onboard supply control unit, Data bus diagnostic interface



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B429 Connection (EFPR), in main wiring harness
- B750 Connection 1 (CAN bus, displays and controls, high)
- B751 Connection 1 (CAN bus, displays and controls, low)

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

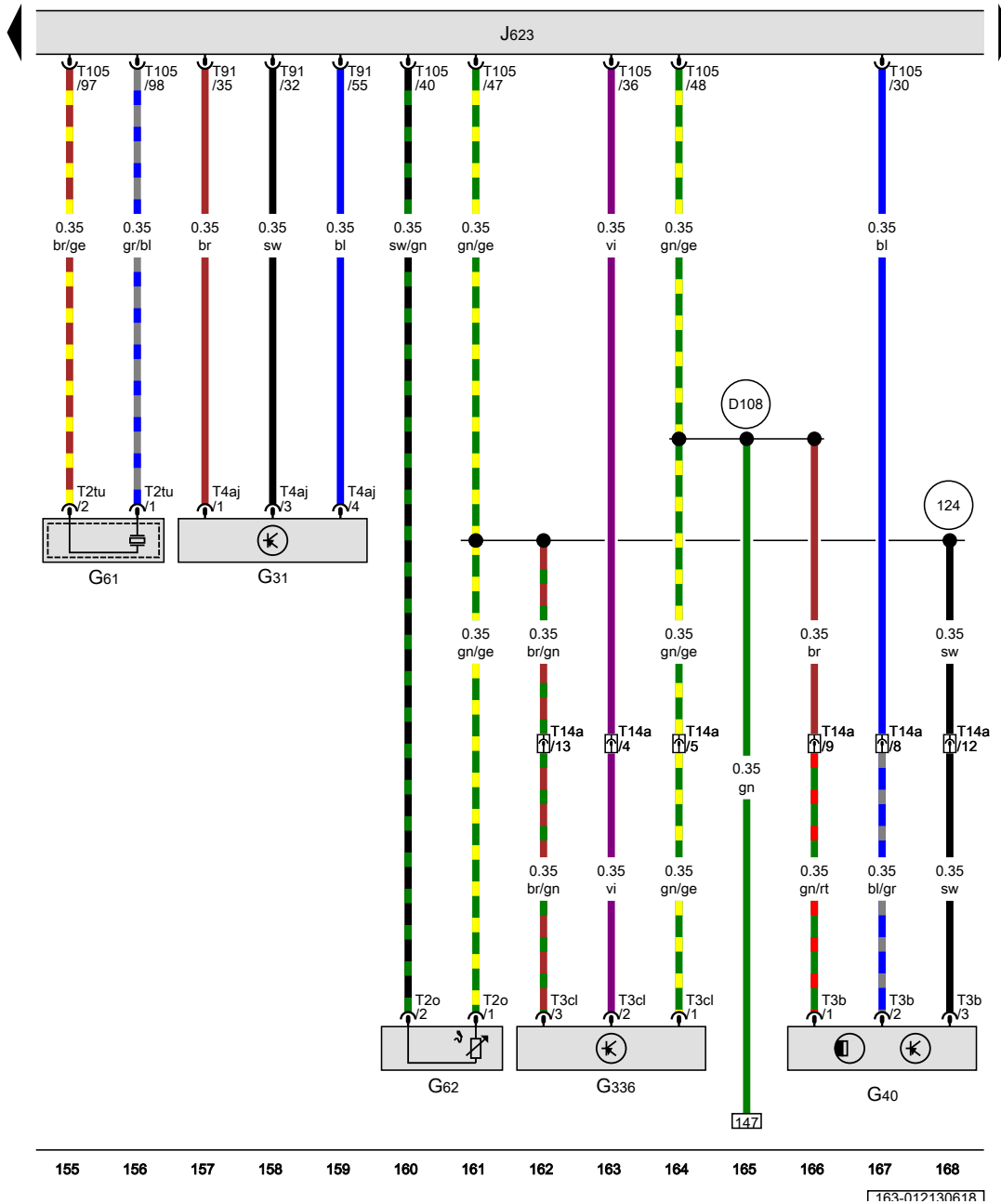


Speedometer, Control unit in dash panel insert, Data bus diagnostic interface, Alternator warning lamp, Glow period warning lamp

- G21 Speedometer
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-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
- B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
- B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness
- B750 Connection 1 (CAN bus, displays and controls, high)
- B751 Connection 1 (CAN bus, displays and controls, low)
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* Only models with start/stop system
- \*2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- 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

163-009190217



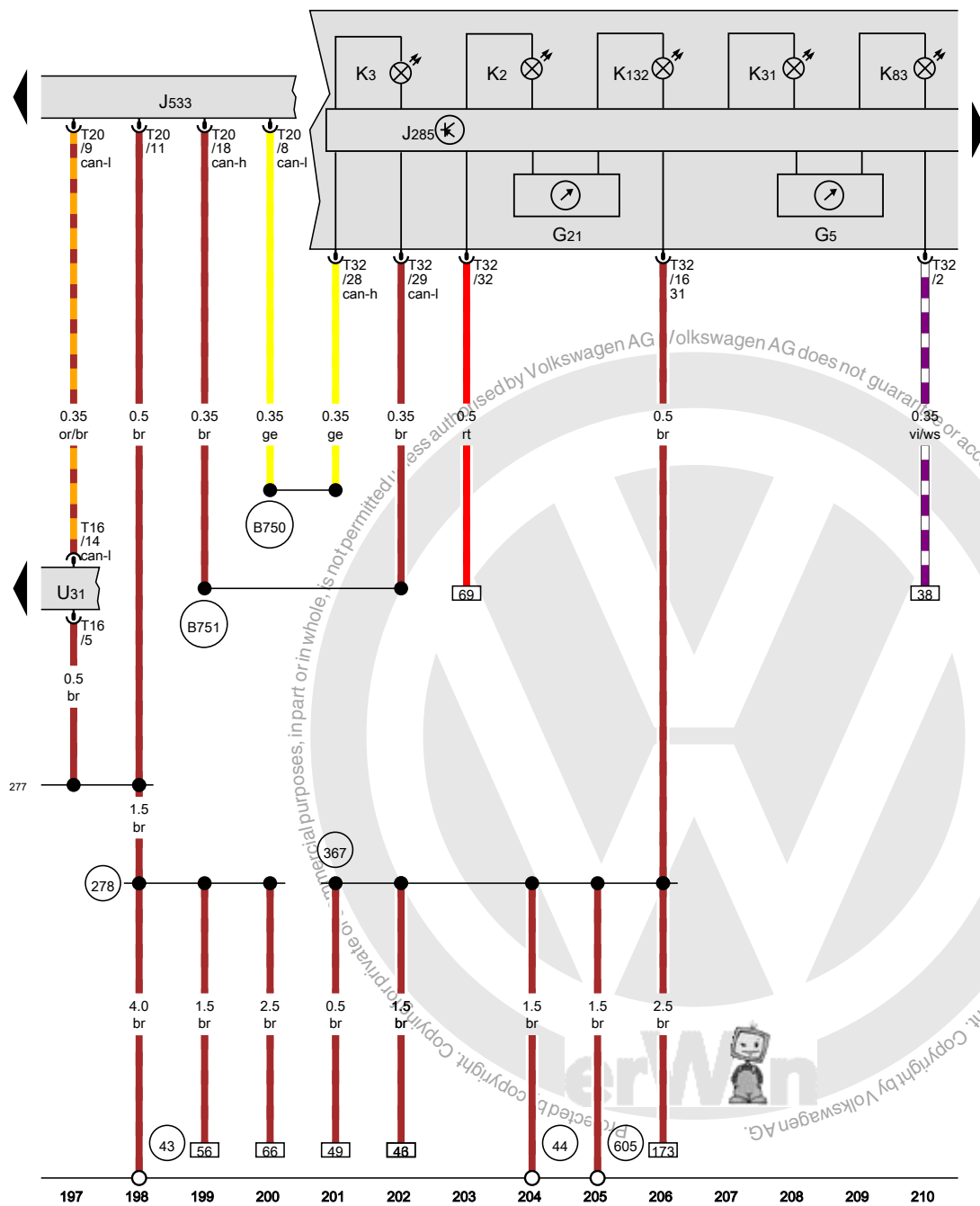
Charge pressure sender, Hall sender, Knock sensor 1, Coolant temperature sender, Engine/motor control unit

- G31 Charge pressure sender
- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine/motor control unit
- T2o 2-pin connector
- T2tu 2-pin connector
- T3b 3-pin connector
- T3cl 3-pin connector
- T4aj 4-pin connector
- T14a 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 124 Earth connection, in right side engine compartment wiring harness
- D108 Connection 6 in engine compartment wiring harness
- \* For models with secondary air pump

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



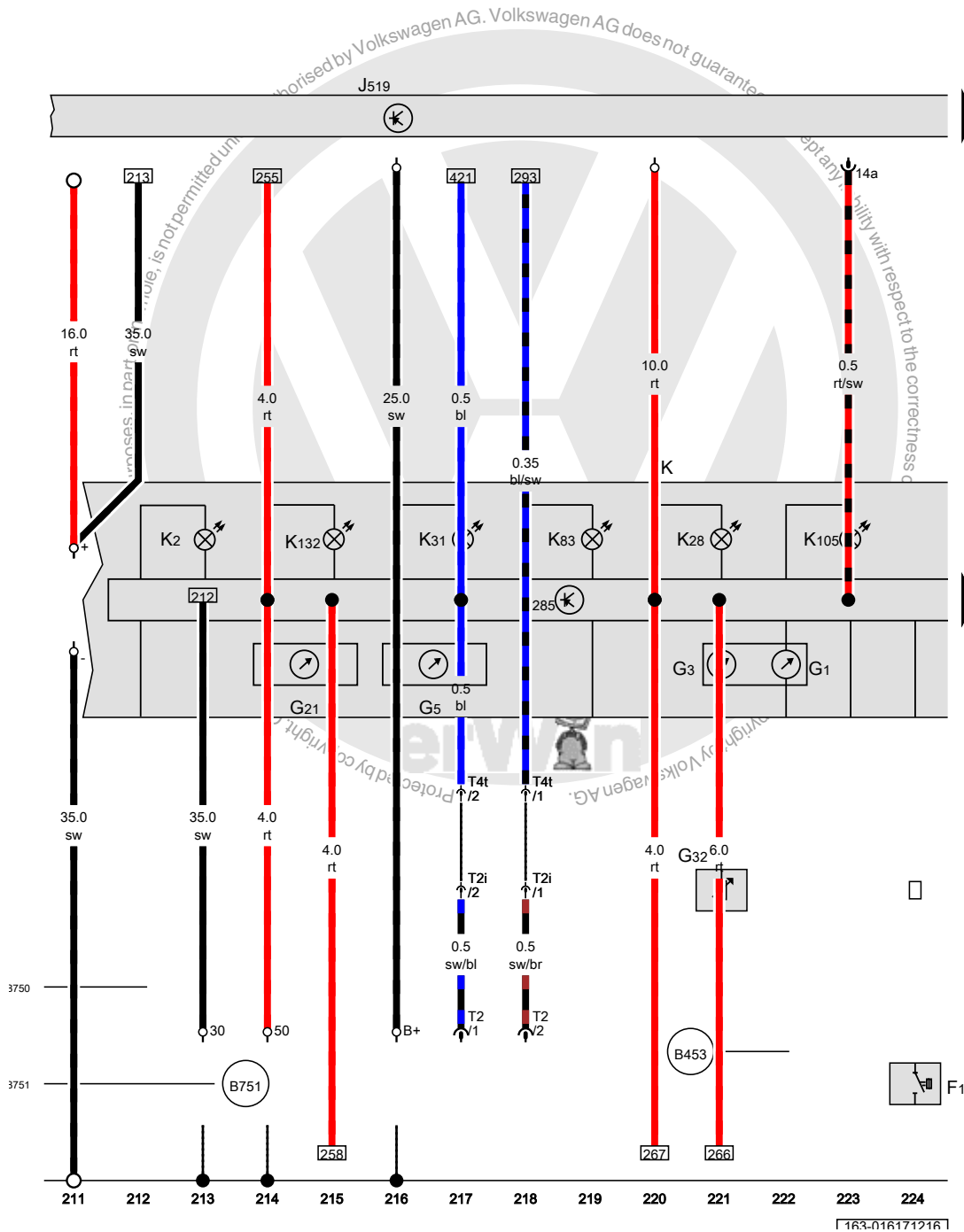


Rev. counter, Speedometer, Control unit in dash panel insert, Data bus diagnostic interface, Alternator warning lamp, Cruise control system warning lamp, Electronic power control fault lamp

- G5 Rev. counter
- G21 Speedometer
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- U31 Diagnostic connection

- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 277 Earth connection 3, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B750 Connection 1 (CAN bus, displays and controls, high)
- B751 Connection 1 (CAN bus, displays and controls, low)

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- ge = yellow
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Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T2 2-pin connector
- T14 14-pin connector

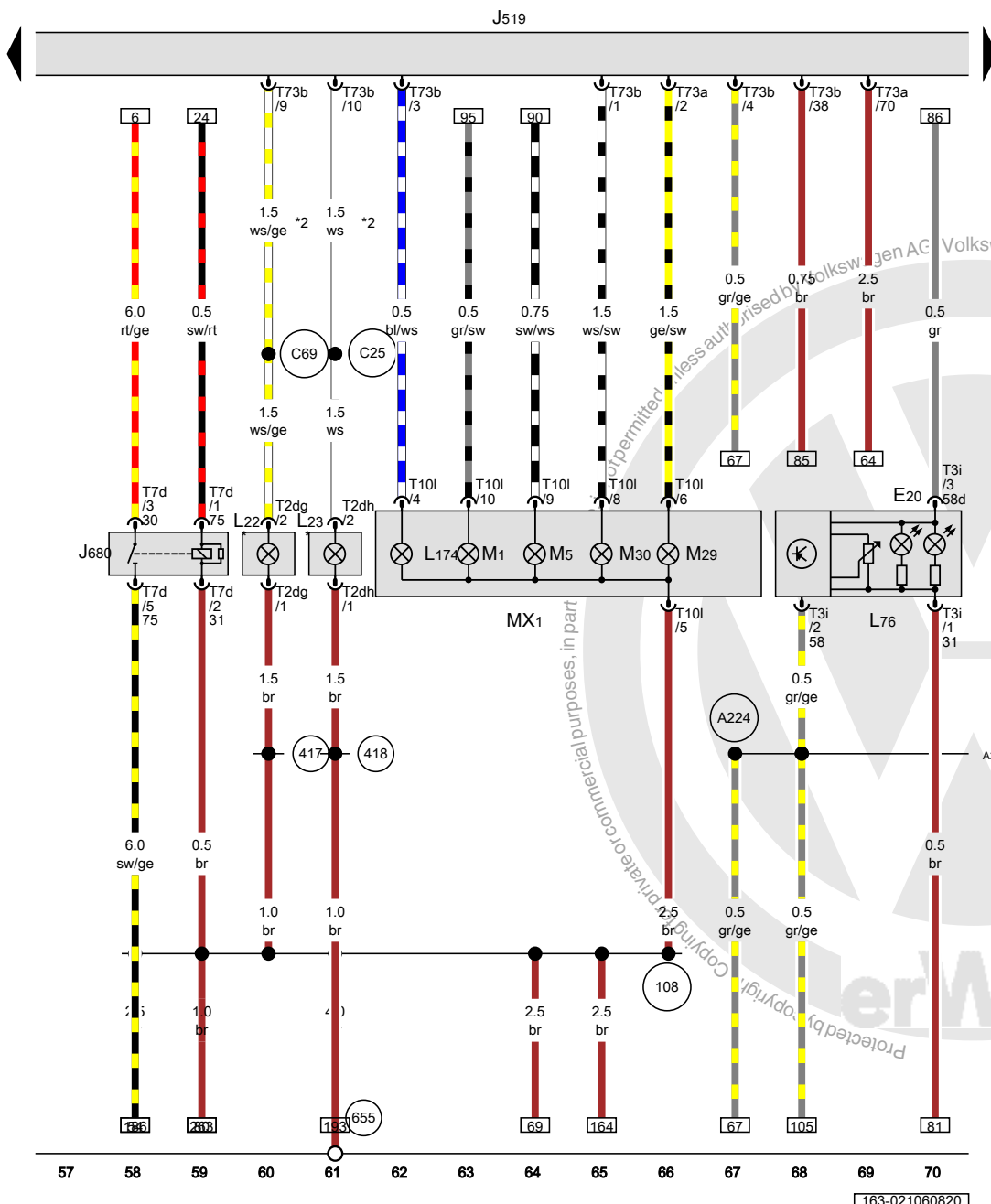
- (B453) Connection 1 (sensor), in main wiring harness
- (B750) Connection 1 (CAN bus, displays and controls, high)
- (B751) Connection 1 (CAN bus, displays and controls, low)
- \* Wiring colour depends on equipment
- \*2 Not for American markets
- \*3 Up to December 2016

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

1.4l petrol engine , CAXA,CMSB,(AW1)

From July 2014





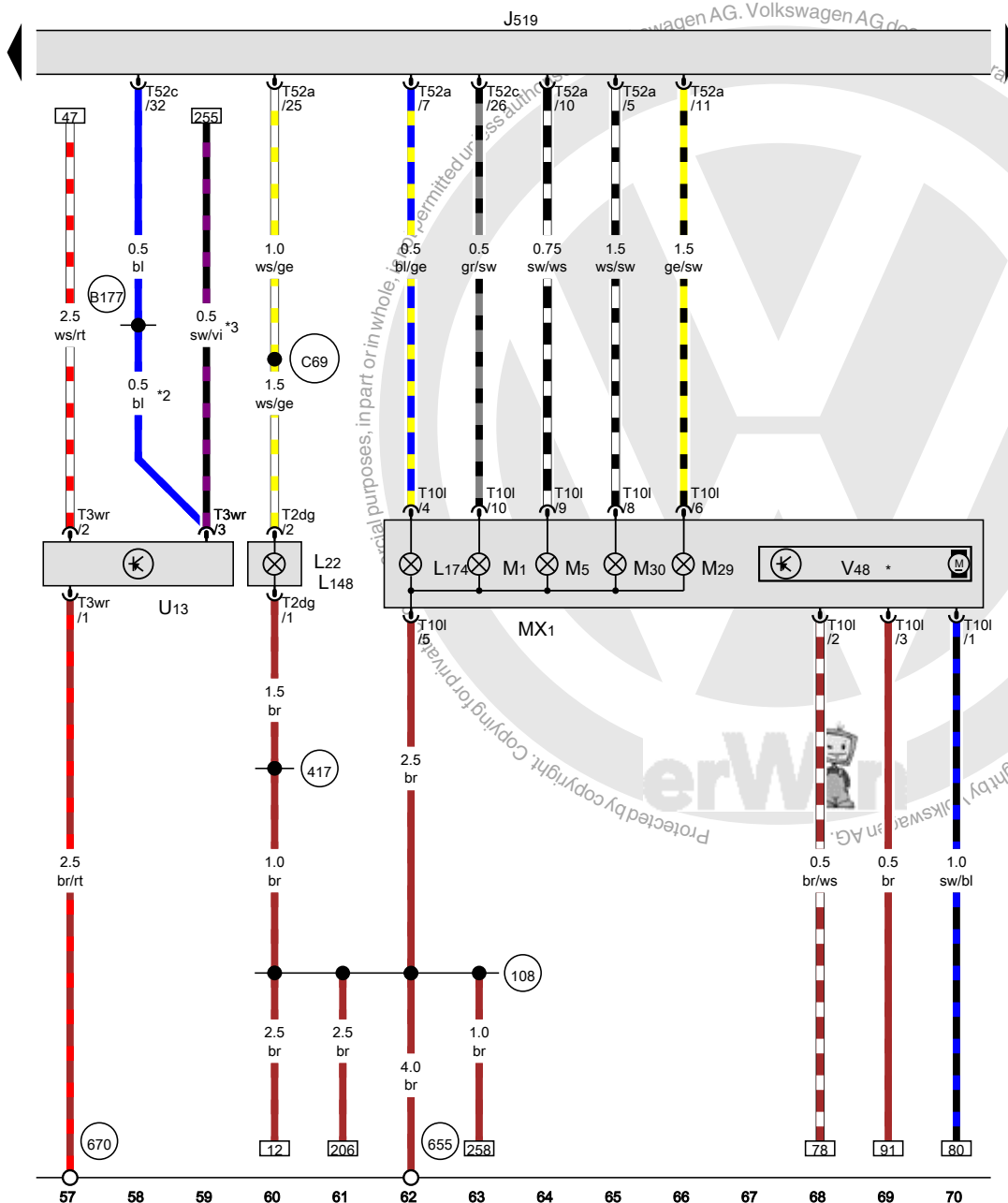
Switch and instrument illumination regulator, Onboard supply control unit, Terminal 75 voltage supply relay 1, Left fog light bulb, Right fog light bulb, Front left headlight, Left side light bulb, Front left turn signal bulb

- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- L22 Left fog light bulb
- L23 Right fog light bulb
- L76 Button illumination bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T2dh 2-pin connector
- T3i 3-pin connector
- T7d 7-pin connector
- T101 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 108 Earth connection 2, in front left wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 418 Earth connection 10, in engine compartment wiring harness
- 655 Earth point, on left headlight
- A224 Positive connection 2 (58), in dash panel wiring harness
- C25 Connection (fog light), in front lighting wiring harness
- C69 Front left connection (fog light), in main wiring harness

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\* According to equipment  
 \*2 Cross section depends on equipment



Onboard supply control unit, Left fog light bulb, Left cornering light bulb, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, DC/AC converter with socket, 12 V - 230 V, Left headlight range control motor

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L148 Left cornering light bulb
- L174 Left daytime running light bulb
- 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
- T2dg 2-pin connector
- T3wr 3-pin connector
- T10I 10-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- U13 DC/AC converter with socket, 12 V - 230 V
- V48 Left headlight range control motor

- 108 Earth connection 2, in front left wiring harness
- 417 Earth connection 9, in engine compartment wiring harness
- 655 Earth point, on left headlight
- 670 Earth point 2, left A-pillar
- B177 Connection (61), in interior wiring harness
- C69 Front left connection (fog light), in main wiring harness

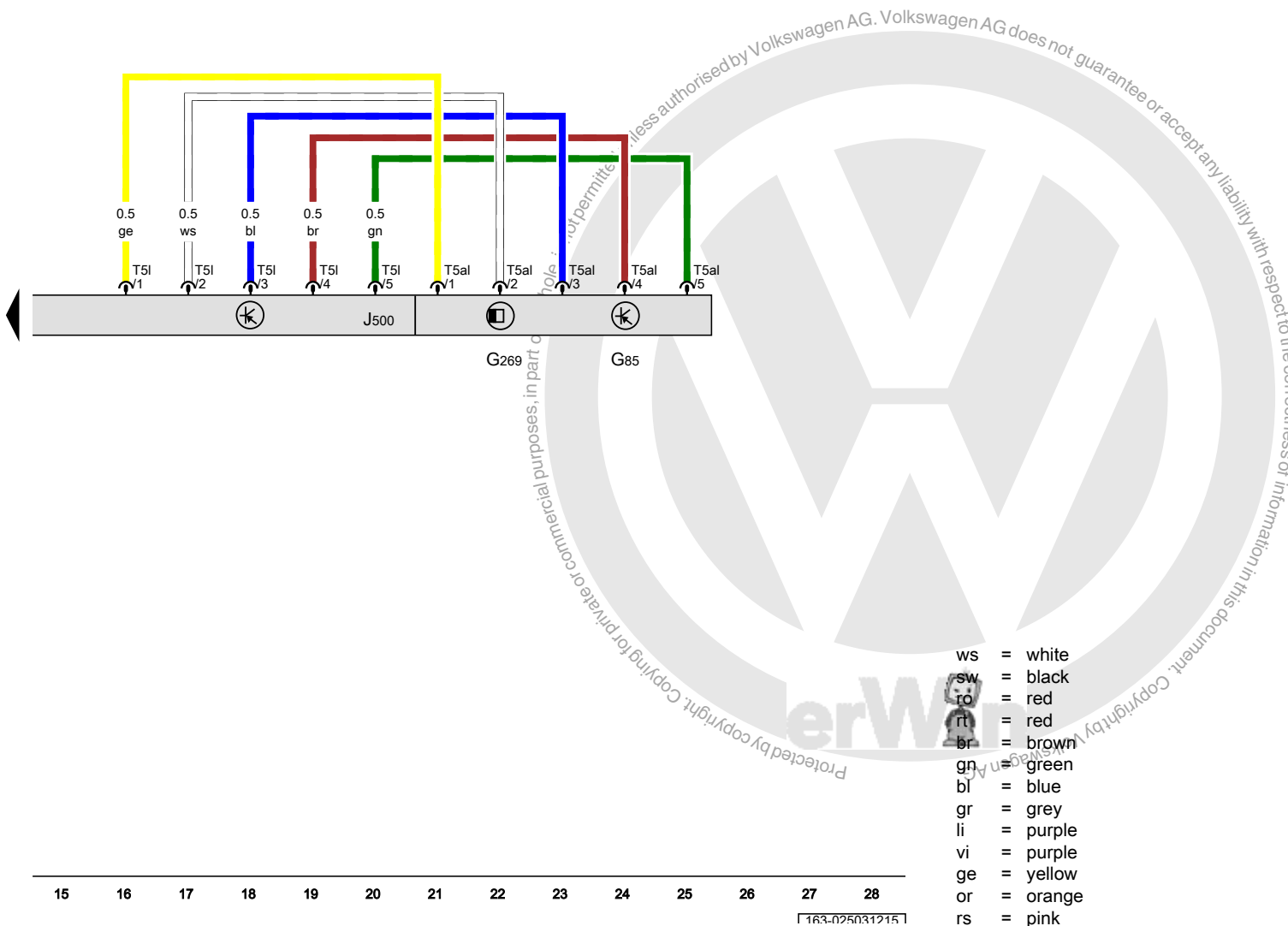
- \* According to equipment
- \*2 Only models with no start/stop system
- \*3 Only models with start/stop system

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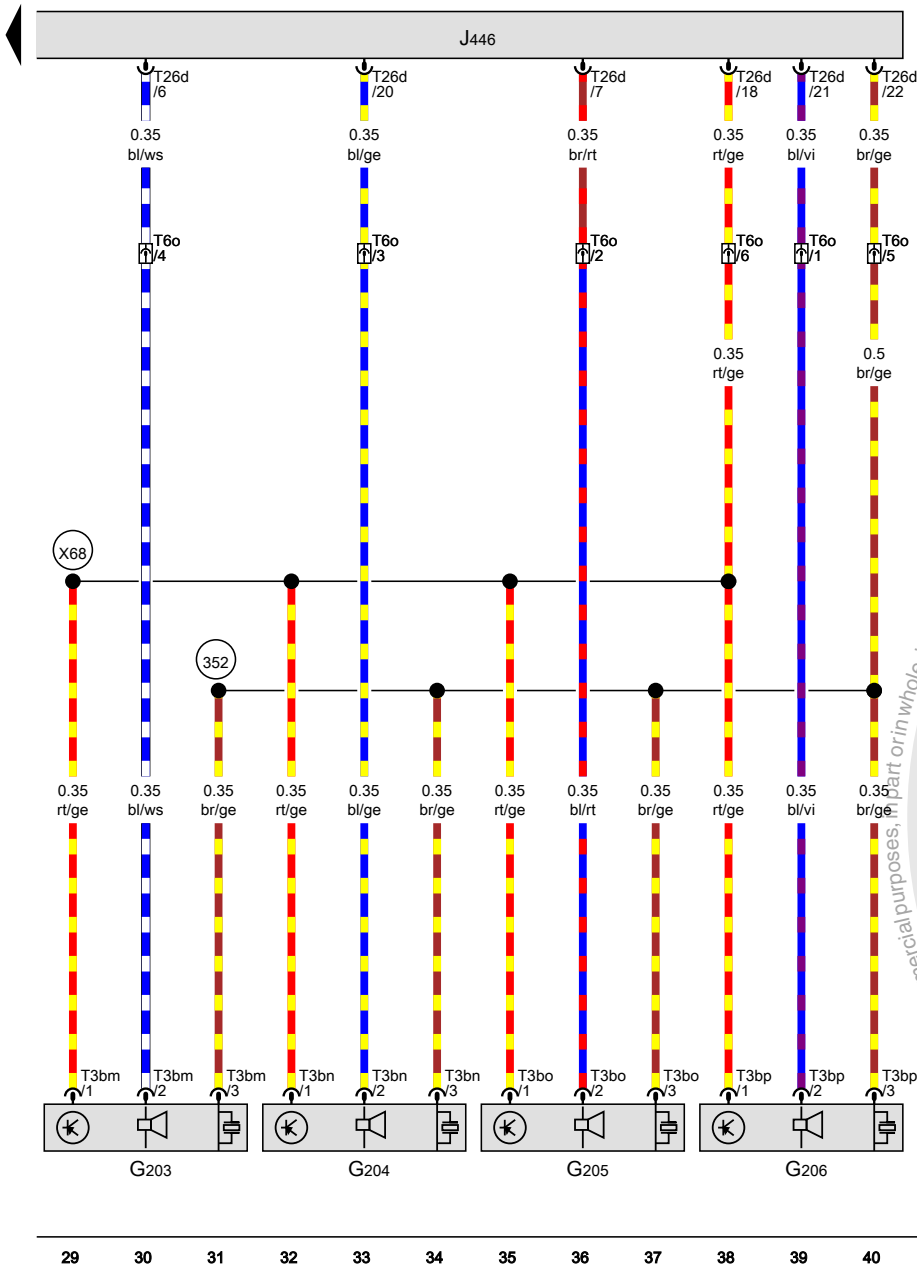
163-023061215

Steering angle sender, Steering moment sender, Power steering control unit

- G85 Steering angle sender
- G269 Steering moment sender
- J500 Power steering control unit, in rear left side panel
- T5al 5-pin connector
- T5l 5-pin connector

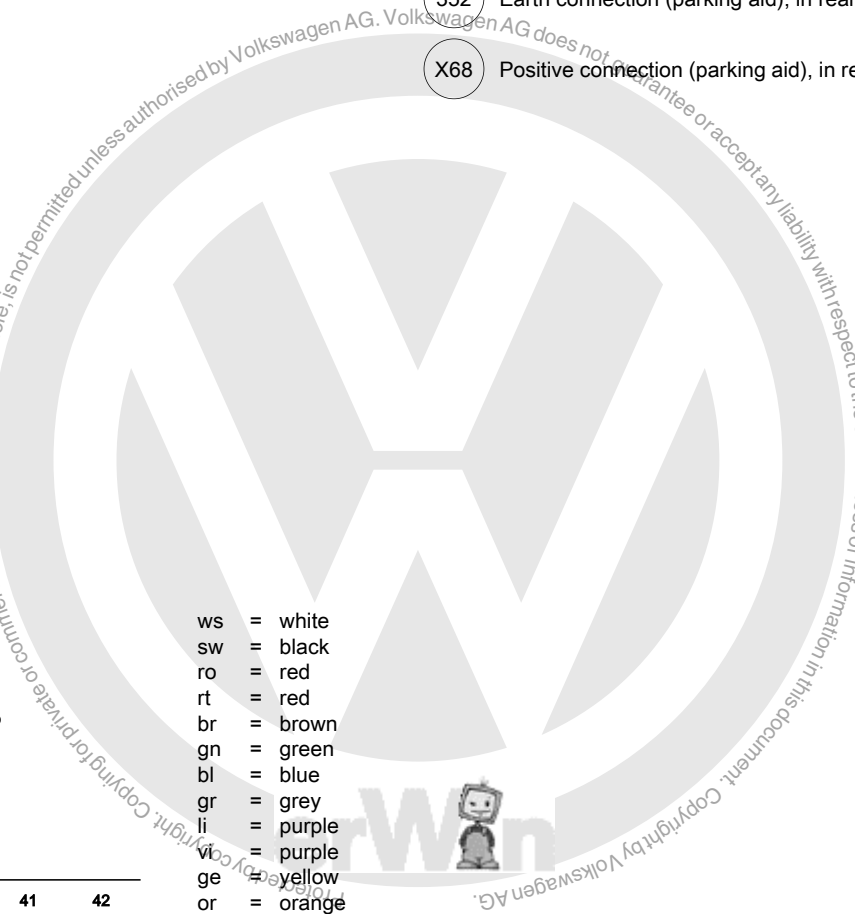


Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit



- 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
- J446 Parking aid control unit
- T3bm 3-pin connector
- T3bn 3-pin connector
- T3bo 3-pin connector
- T3bp 3-pin connector
- T6o 6-pin connector
- T26d 26-pin connector
- (352) Earth connection (parking aid), in rear bumper wiring harness
- (X68) Positive connection (parking aid), in rear bumper wiring harness

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



# Interior mirror with no humidity sender but with main beam assist , (8G1)

From July 2014

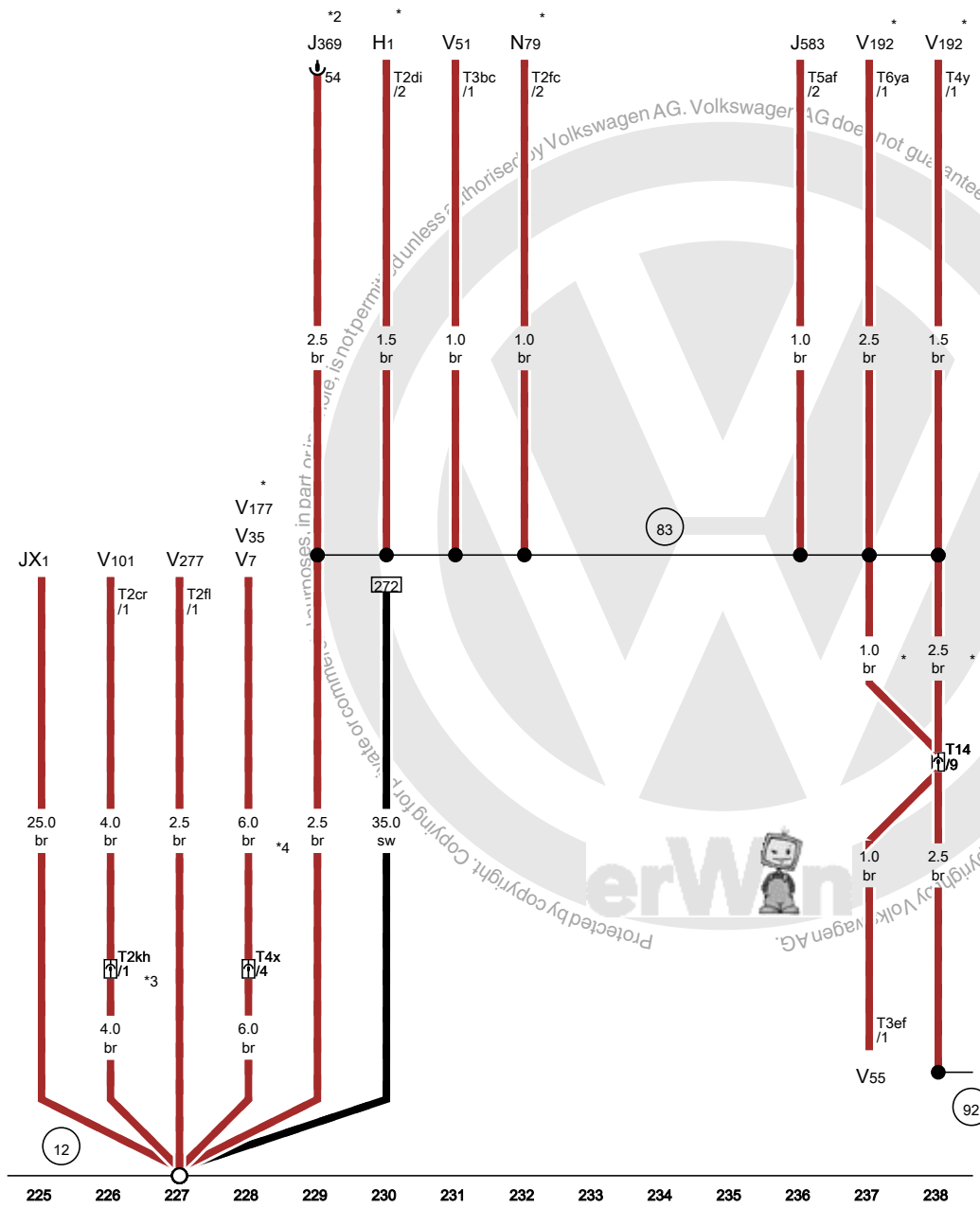


Earth point, on left in engine compartment, Earth connection 2, in fully electronic ignition system wiring harness

- H1 Horn or dual tone horn
- JX1 Power and control electronics for electric drive
- J369 Wiper motor relay 2, in E-box in engine compartment
- J583 Control unit for NOx sender
- N79 Heater element for crankcase breather
- T2cr 2-pin connector
- T2di 2-pin connector
- T2fc 2-pin connector
- T2fl 2-pin connector
- T2kh 2-pin connector
- T3bc 3-pin connector
- T3ef 3-pin connector
- T4x 4-pin connector, near radiator fan
- T4y 4-pin connector
- T5af 5-pin connector
- T6ya 6-pin connector
- T14 14-pin connector
- V7 Radiator fan
- V35 Right radiator fan
- V51 Continued coolant circulation pump
- V55 Circulation pump
- V101 Secondary air pump motor
- V177 Radiator fan 2
- V192 Vacuum pump for brakes
- V277 Fuel pump 2

- 12 Earth point, on left in engine compartment
- 83 Earth connection 1, in front right wiring harness
- 92 Earth connection 2, in fully electronic ignition system wiring harness
- \* According to equipment
- \*2 Only models with "High" equipment (AW1)
- \*3 Only models with hybrid drive system
- \*4 Cross-section 4.0 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

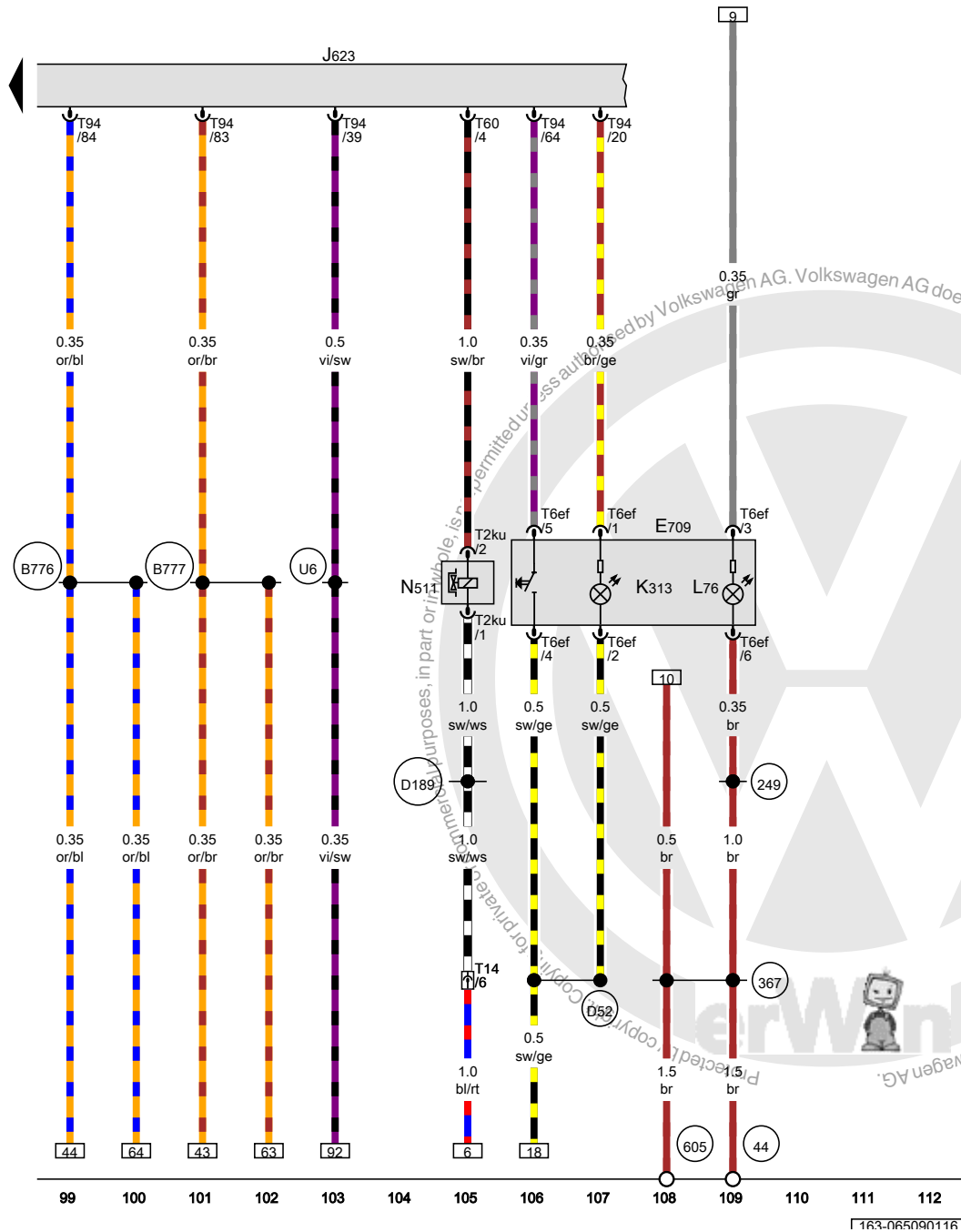


163-04R181216

## Multifunction steering wheel , (AW0)

From July 2014





**Button for extended electric drive mode, Engine control unit, Pressure regulator for disengagement clutch**

- E709 Button for extended electric drive mode
- J623 Engine control unit
- K313 Warning lamp for extended electric drive mode
- L76 Button illumination bulb
- N511 Pressure regulator for disengagement clutch
- T2ku 2-pin connector
- T6ef 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

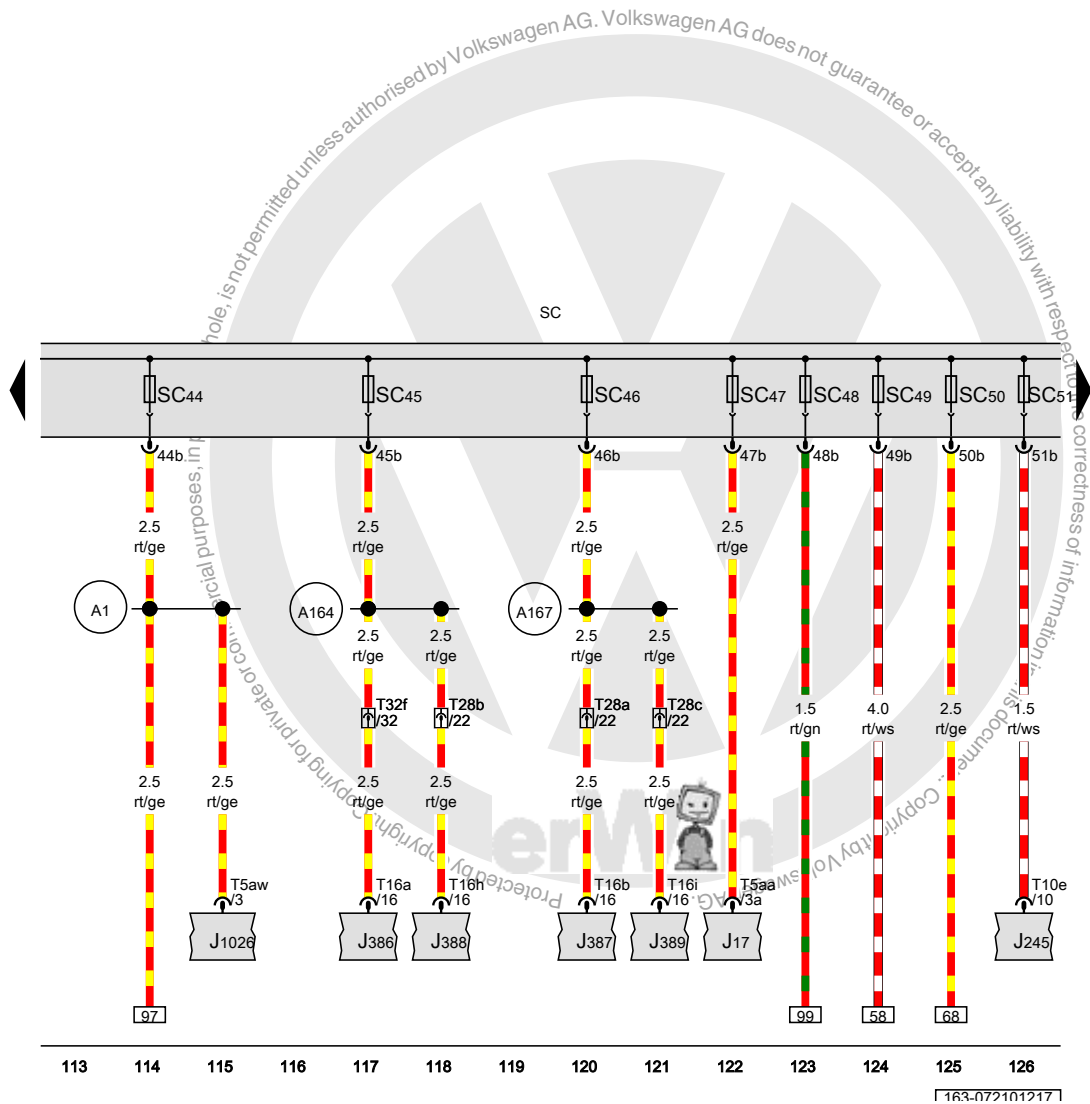
- 44 Earth point, lower part of left A-pillar
- 249 Earth connection 2, in interior wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- U6 Connection 2, in automatic gearbox wiring harness

- 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

163-065090116

Fuse holder C

- J17 Fuel pump relay
- J245 Sliding sunroof adjustment control unit
- J386 Driver door control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- J1026 Auxiliary heater operation relay 2
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 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
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T5aa 5-pin connector
- T5aw 5-pin connector
- T10e 10-pin connector
- T16a 16-pin connector
- T16b 16-pin connector
- T16h 16-pin connector
- T16i 16-pin connector
- T28a 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- T32f 32-pin connector



- A1 Positive connection (30a), in dash panel wiring harness
- A164 Positive connection 2 (30a) in dash panel wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring 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

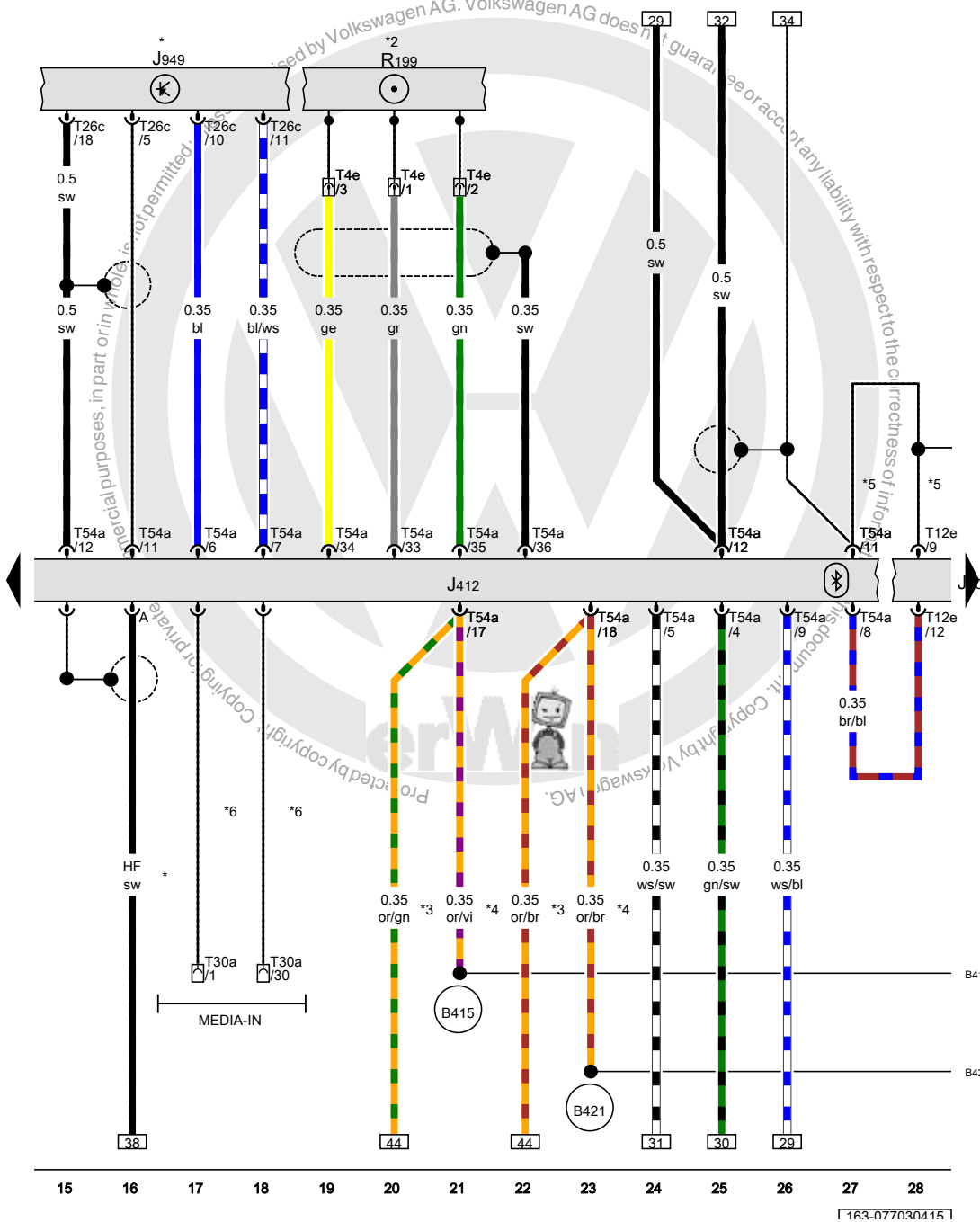
Mobile telephone operating electronics control unit, Control unit with display for radio and navigation, Connection for external audio sources

- J412 Mobile telephone operating electronics control unit
- J503 Control unit with display for radio and navigation
- J949 Emergency call module control unit and communication unit
- R199 Connection for external audio sources
- T4e 4-pin connector
- T12e 12-pin connector
- T26c 26-pin connector
- T30a 30-pin connector
- T54a 54-pin connector

B415 Connection 1 (infotainment CAN bus, high), in main wiring harness

B421 Connection 1 (infotainment CAN bus, low), in main wiring harness

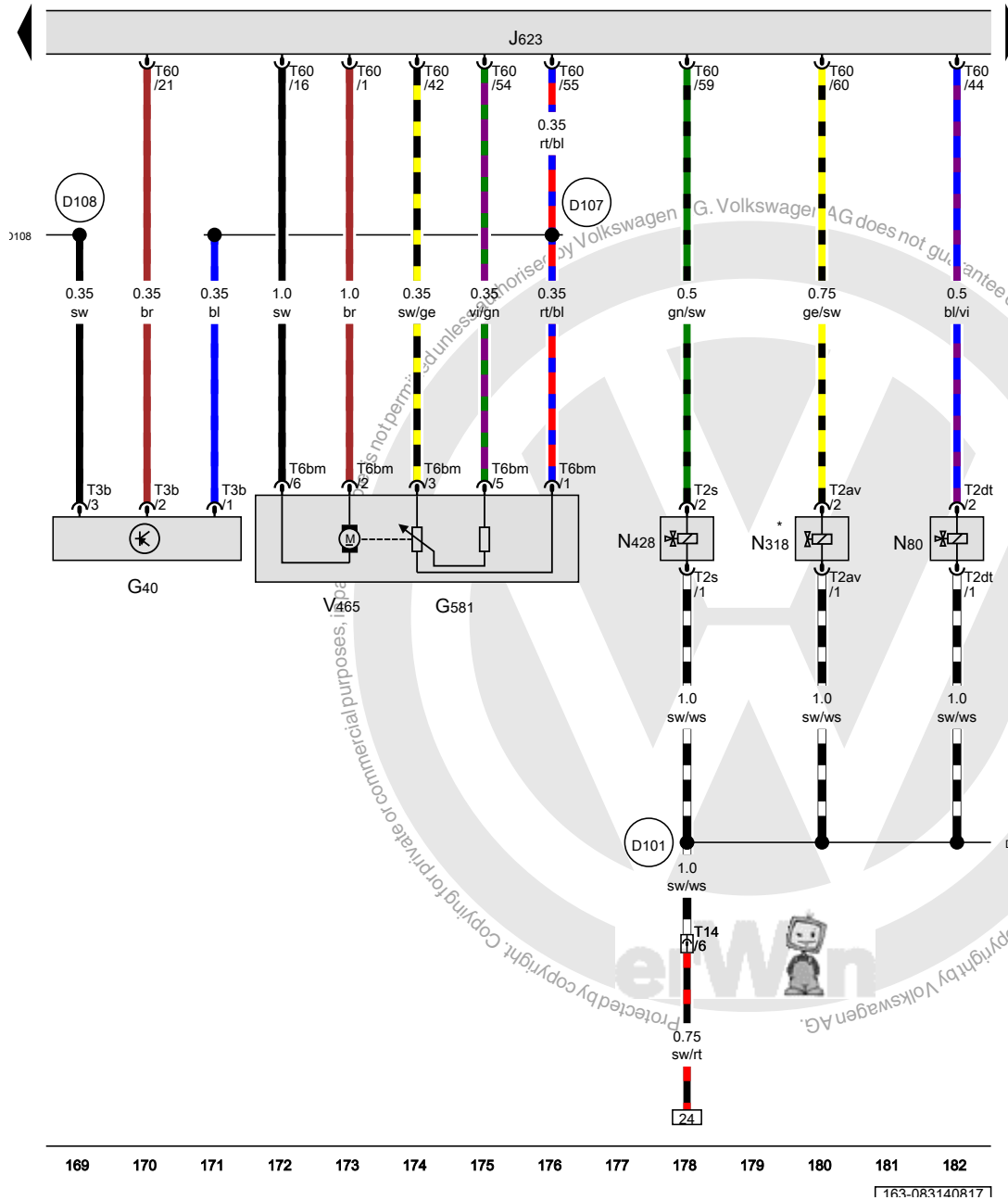
- \* According to equipment
- \*2 Only models with connection for external multi-media devices with electrical interface
- \*3 Only models with "Low" equipment (AW0)
- \*4 Only models with "High" equipment (AW1)
- \*5 Only models with radio navigation system and voice control
- \*6 Adapter wire



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

163-077030415

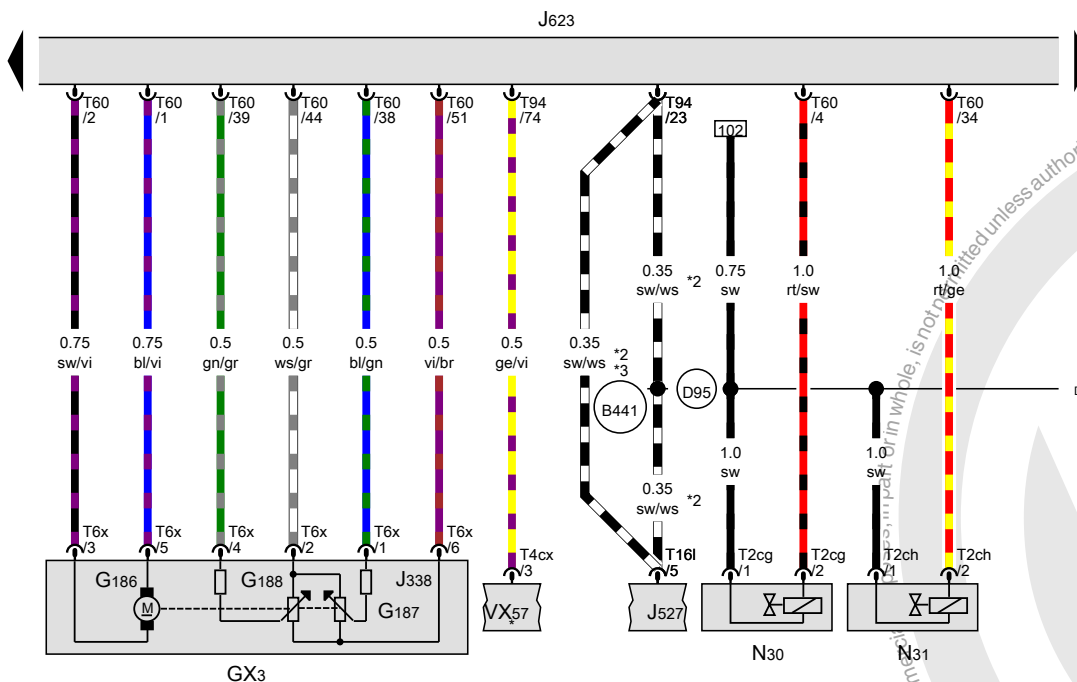
Hall sender, Position sender for charge pressure positioner, Engine/motor control unit, Charge pressure positioner



- G40 Hall sender
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit, on left in engine compartment
- N80 Activated charcoal filter solenoid valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- T2av 2-pin connector
- T2dt 2-pin connector
- T2s 2-pin connector
- T3b 3-pin connector
- T6bm 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner
- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- D108 Connection 6 in engine compartment wiring harness
- \* According to equipment

- 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

Throttle valve module, Engine control unit, Injector, cylinder 1, Injector, cylinder 2



- 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
- J527 Steering column electronics control unit
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- T2cg 2-pin connector
- T2ch 2-pin connector
- T4cx 4-pin connector
- T6x 6-pin connector
- T16l 16-pin connector
- T60 60-pin connector, black
- T94 94-pin connector, black
- VX57 Radiator fan

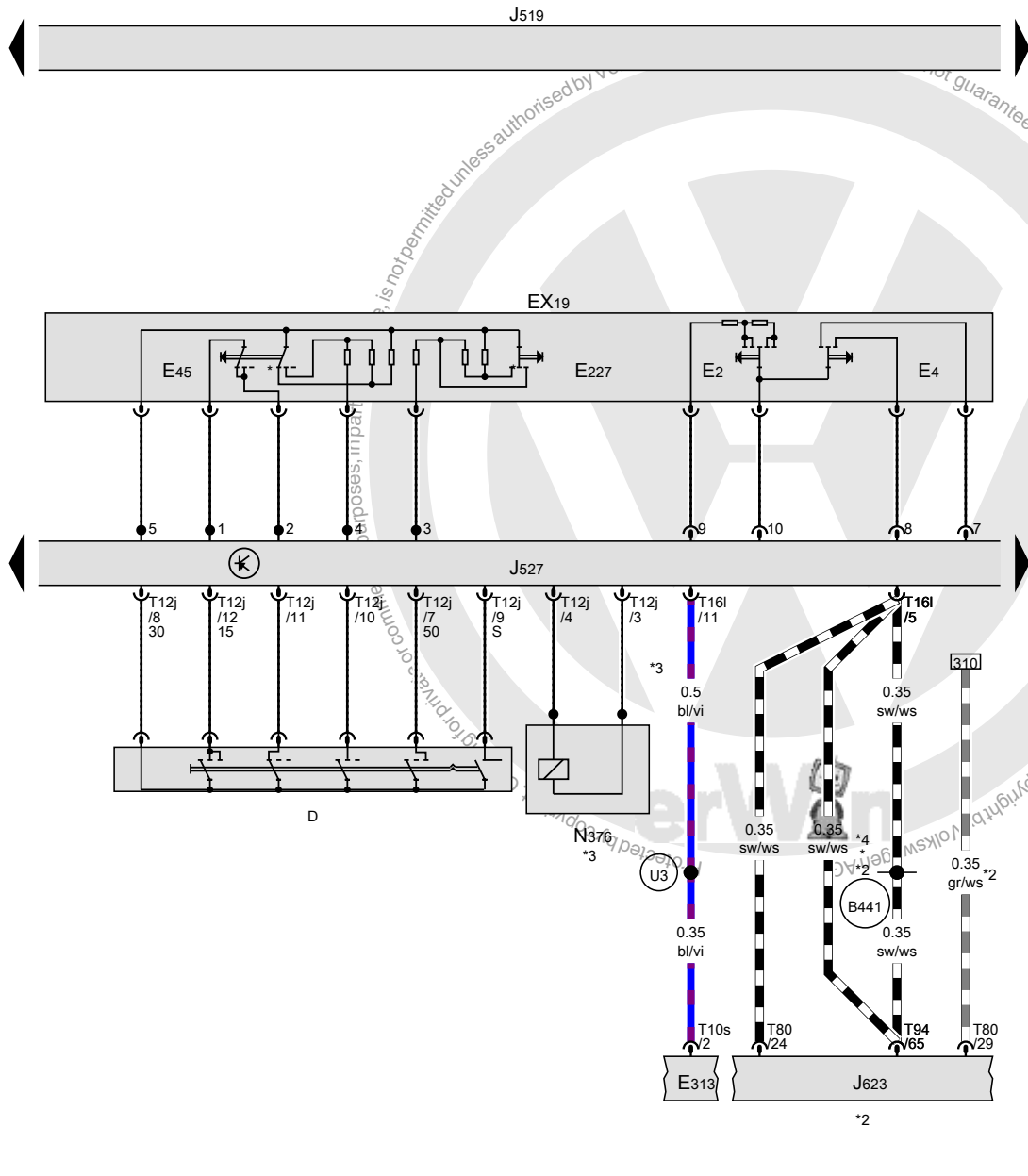
- (B441) Connection (CCS), in main wiring harness
- (D95) Connection (injectors), in engine compartment wiring harness
- \* Pre-wired component
- \*2 Only models with cruise control system (CCS)
- \*3 From July 2016

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- ge = yellow
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- rs = pink

## Windscreen heater , (4GX)

From December 2015





Ignition/starter switch, Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Cruise control system switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

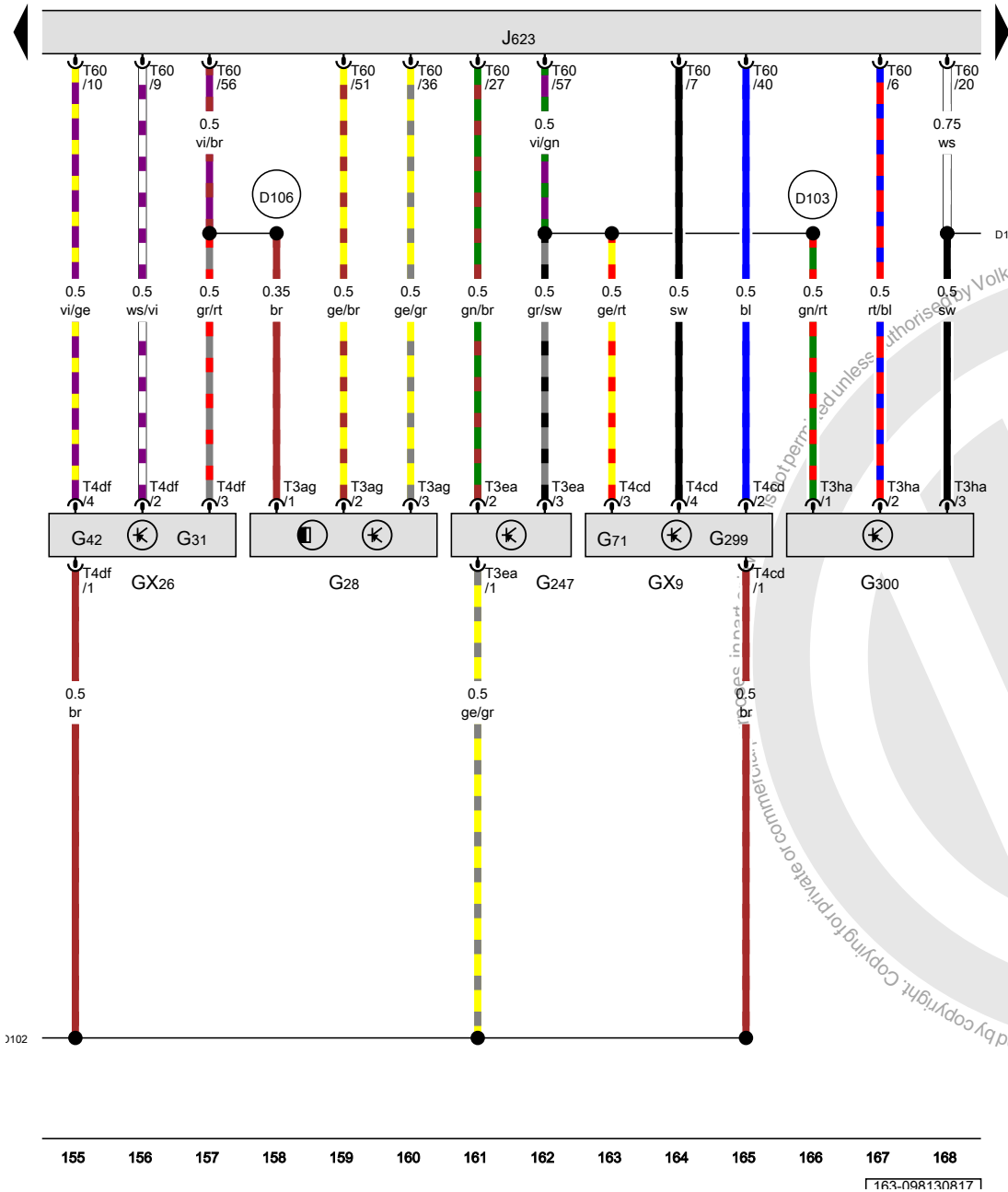
- D Ignition/starter switch
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- EX19 Left steering column switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- E313 Selector lever
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- N376 Ignition key withdrawal lock solenoid
- T10s 10-pin connector
- T12j 12-pin connector
- T16l 16-pin connector
- T80 80-pin connector
- T94 94-pin connector

(B441) Connection (CCS), in main wiring harness

(U3) Connection 1, in automatic gearbox wiring harness

- \* For models with cruise control system (CCS) see applicable current flow diagram for engine
- \*2 For models with dual clutch gearbox (DSG)
- \*3 From July 2016
- \*4 From July 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

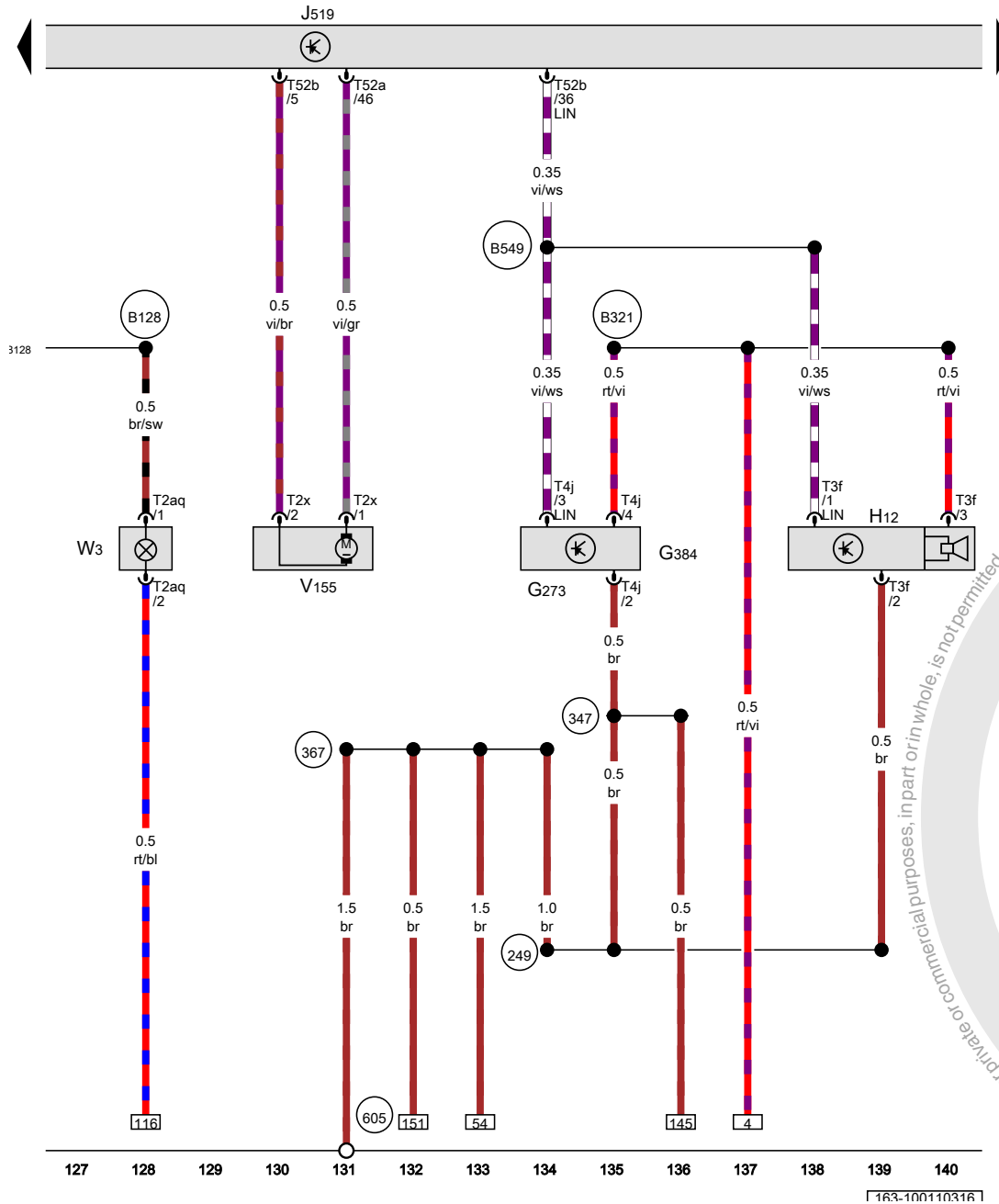


Intake manifold sender, Charge pressure sender, Engine speed sender, Charge pressure sender, Intake air temperature sender, Fuel pressure sender, Intake air temperature sender 2, Hall sender 3, Engine/motor control unit

- GX9 Intake manifold sender
- GX26 Charge pressure sender
- G28 Engine speed 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, on left in engine compartment
- T3ag 3-pin connector
- T3ea 3-pin connector
- T3ha 3-pin connector
- T4cd 4-pin connector
- T4df 4-pin connector
- T60 60-pin connector

- D102 Connection 2 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D108 Connection 6 in engine compartment 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

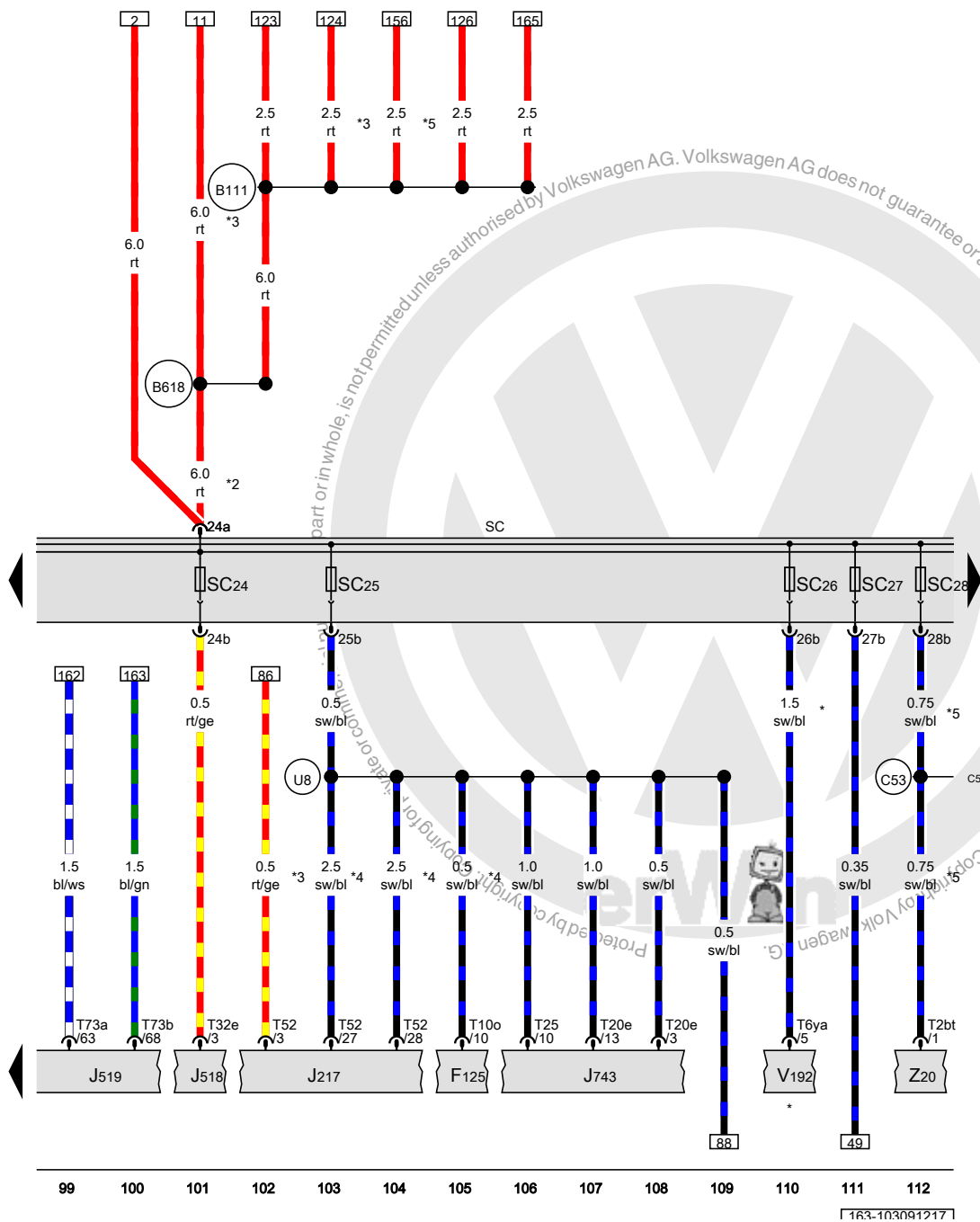


Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit, Tank filler flap locking motor, Luggage compartment light

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2x 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor
- W3 Luggage compartment light

- 249 Earth connection 2, in interior wiring harness
- 347 Earth connection, in roof wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B128 Connection (luggage compartment light), in interior wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

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

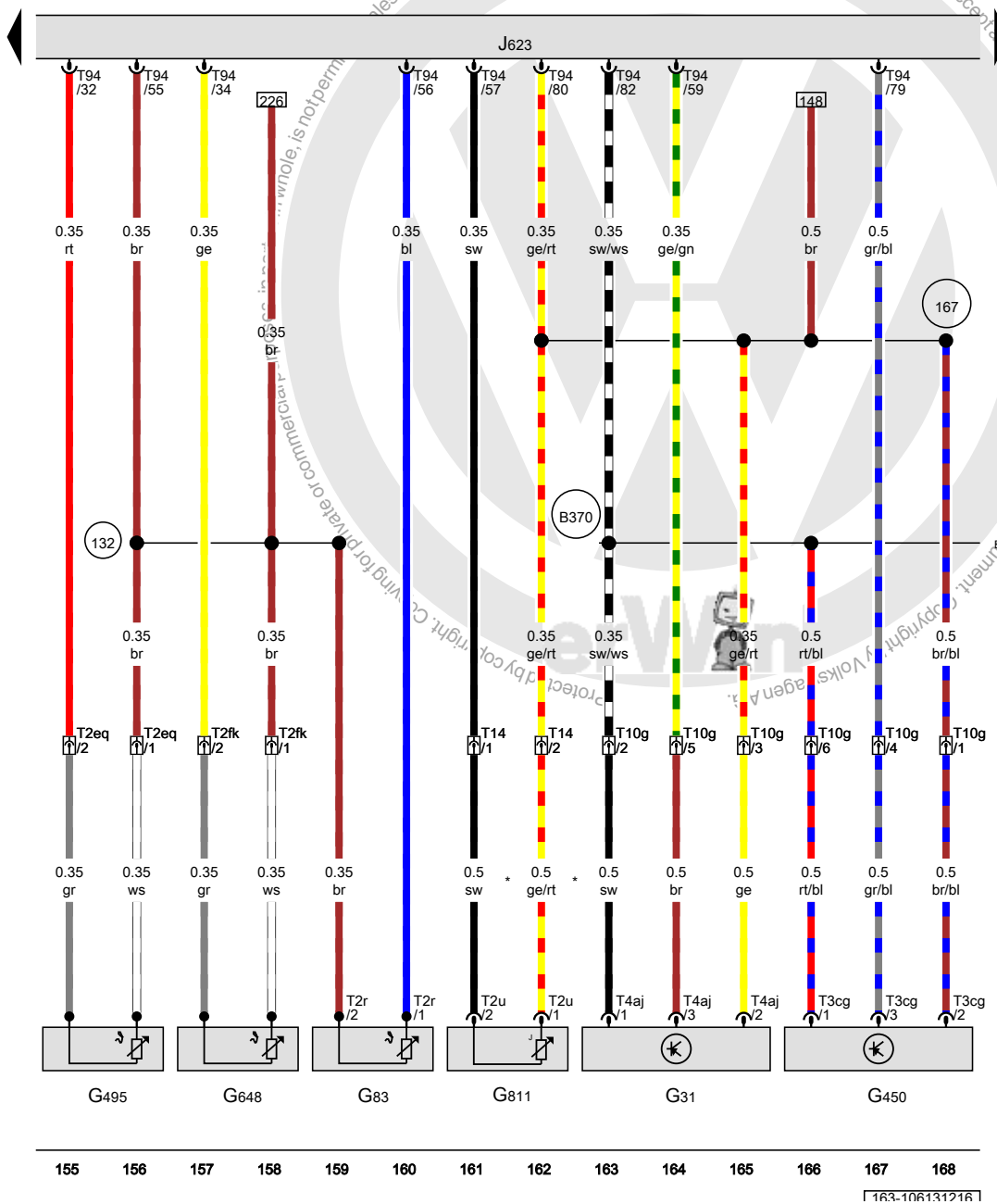


Onboard supply control unit, Fuse holder C

- F125 Multifunction switch
- J217 Automatic gearbox control unit
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J743 Mechatronic unit for dual clutch gearbox
- SC Fuse holder C
- SC24 Fuse 24 on 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
- T2bt 2-pin connector
- T6ya 6-pin connector
- T10o 10-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T32e 32-pin connector
- T52 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V192 Vacuum pump for brakes
- Z20 Left washer jet heater element

- (B111) Positive connection 1 (30a), in interior wiring harness
- (B618) Positive connection 13 (30a), in interior wiring harness
- (C53) Positive connection (x), in heated washer jets wiring harness
- (U8) Positive connection (15a), in automatic gearbox wiring harness
- \* see applicable current flow diagram for engine
- \*2 For models with hybrid drive system
- \*3 According to equipment
- \*4 see applicable current flow diagram for automatic gearbox
- \*5 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Charge pressure sender, Radiator outlet coolant temperature sender, Exhaust gas pressure sensor 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Charge air temperature sender after charge air cooler, Engine control unit

- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G495 Exhaust gas pressure sensor 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- G811 Charge air temperature sender after charge air cooler
- J623 Engine control unit
- T2eq 2-pin connector
- T2fk 2-pin connector
- T2r 2-pin connector
- T2u 2-pin connector
- T3cg 3-pin connector
- T4aj 4-pin connector
- T10g 10-pin connector, front left in engine compartment
- T14 14-pin connector
- T94 94-pin connector

132 Earth connection 3, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

B370 Connection 2 (5V), in main wiring harness

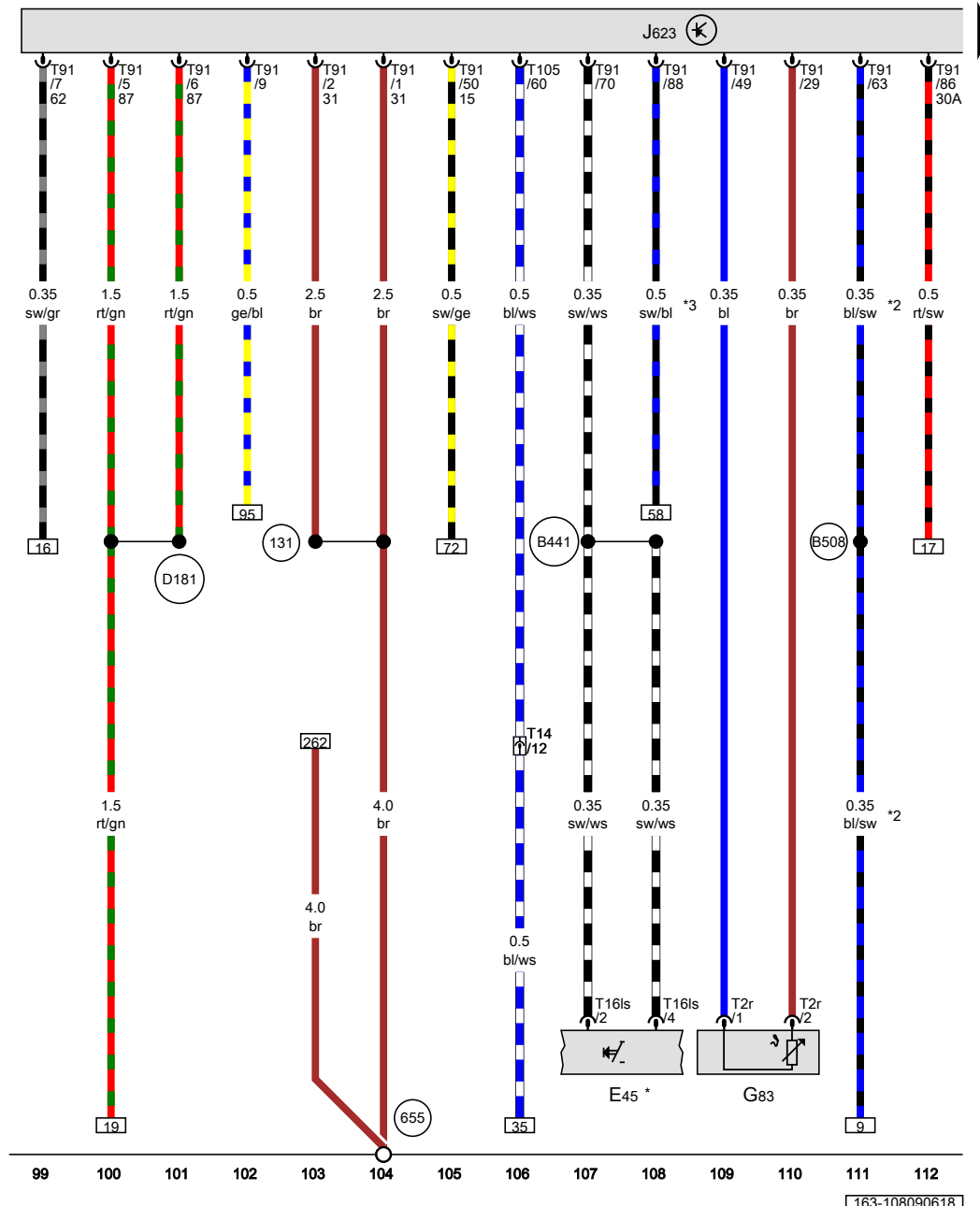
\* Wiring colour depends on equipment

- 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

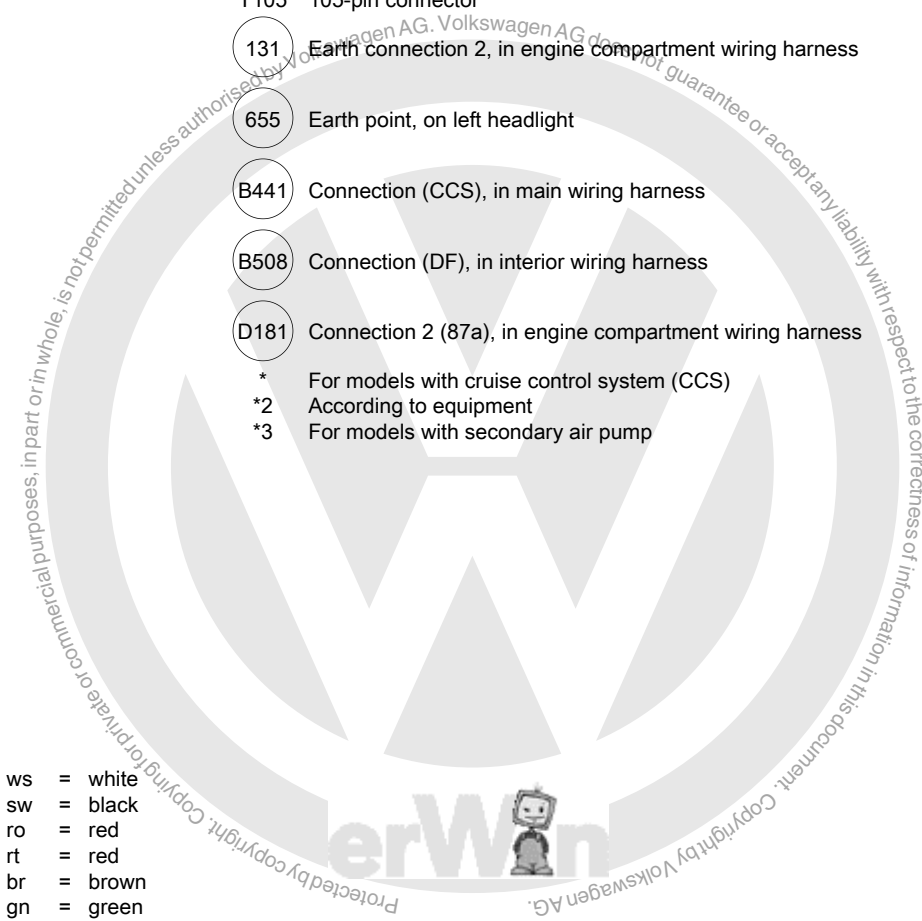
Radiator outlet coolant temperature sender, Engine/motor control unit

- E45 Cruise control system switch
- G83 Radiator outlet coolant temperature sender
- J623 Engine/motor control unit
- T2r 2-pin connector
- T14 14-pin connector
- T16ls 16-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- B508 Connection (DF), in interior wiring harness
- D181 Connection 2 (87a), in engine compartment wiring harness
- \* For models with cruise control system (CCS)
- \*2 According to equipment
- \*3 For models with secondary air pump

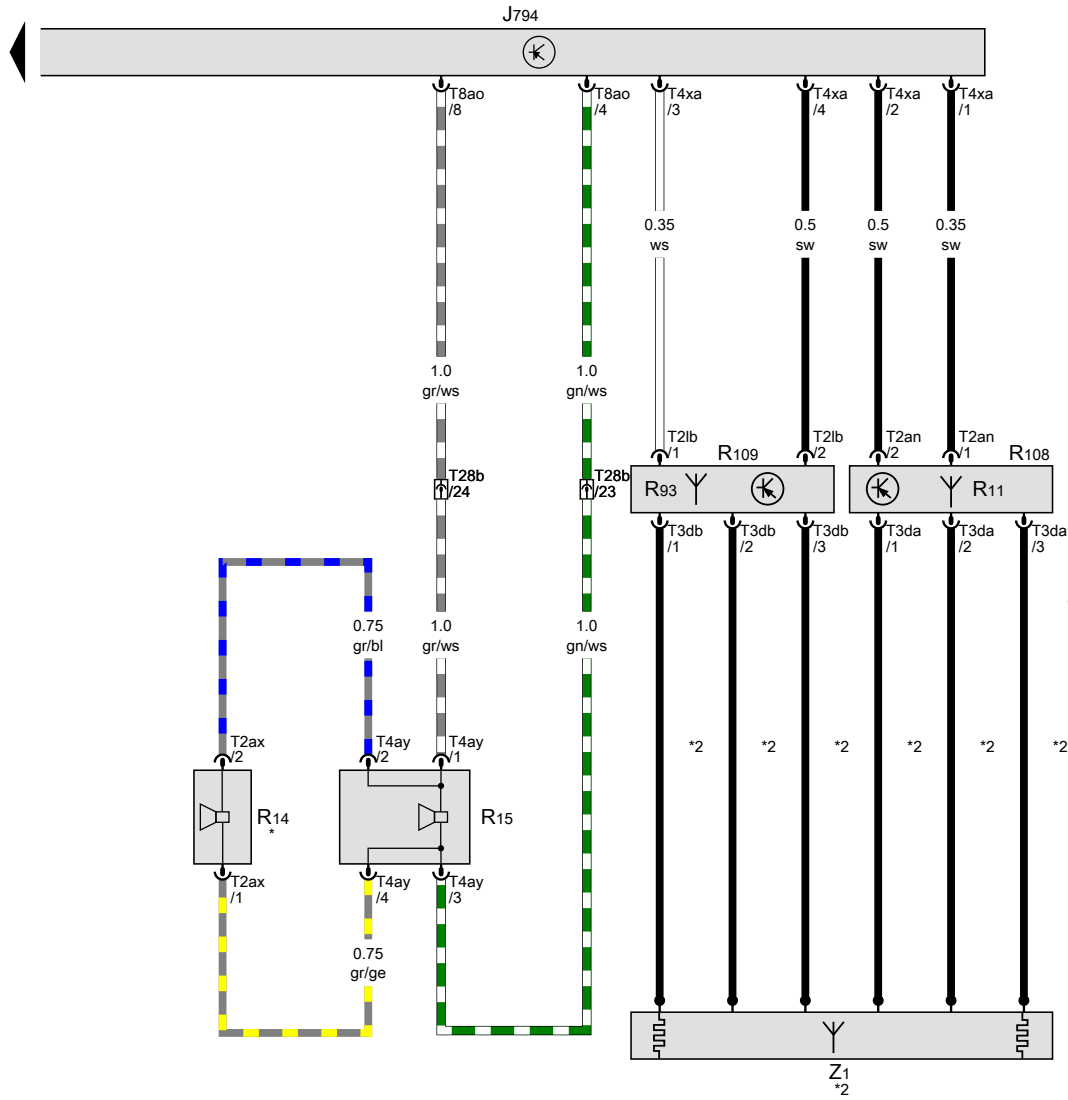


- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



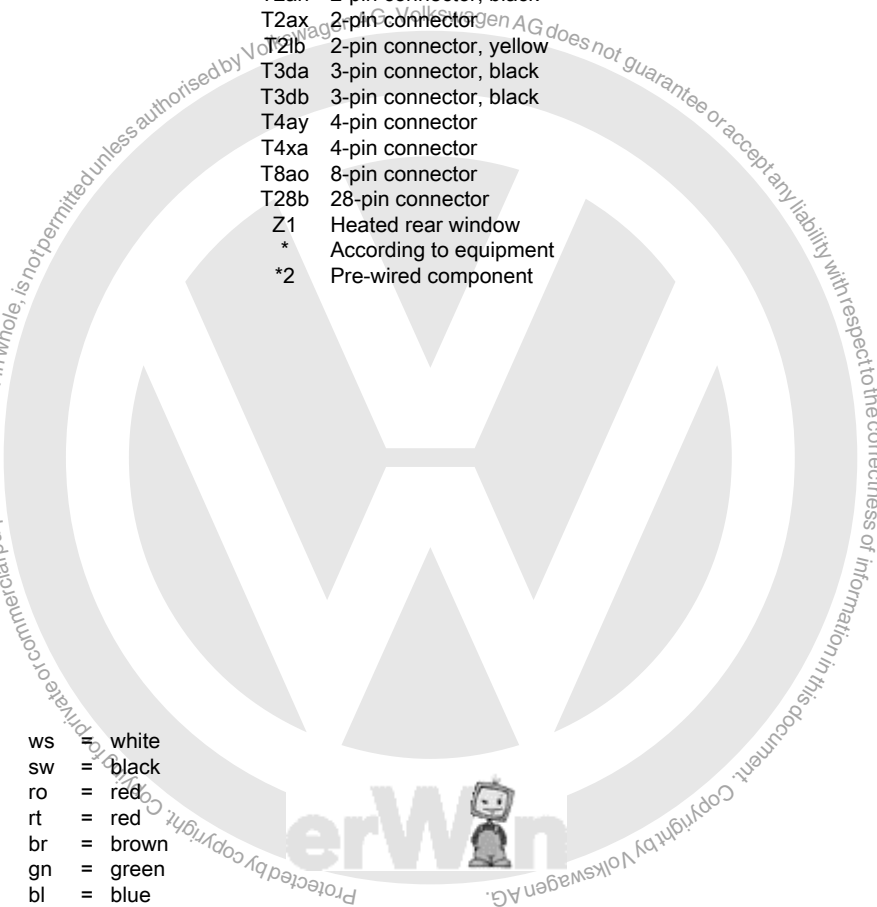
Control unit 1 for information electronics, Aerial, Rear left treble loudspeaker, Rear left bass loudspeaker, Radio aerial 2, Left aerial module, Right aerial module

- J794 Control unit 1 for information electronics
- R11 Aerial
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- T2an 2-pin connector, black
- T2ax 2-pin connector, black
- T2lb 2-pin connector, yellow
- T3da 3-pin connector, black
- T3db 3-pin connector, black
- T4ay 4-pin connector
- T4xa 4-pin connector
- T8ao 8-pin connector
- T28b 28-pin connector
- Z1 Heated rear window
- \* According to equipment
- \*2 Pre-wired component



43 44 45 46 47 48 49 50 51 52 53 54 55 56

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- ws = white
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- rs = pink

Slot	Current flow diagram designation	Nominal value	Function/component	Terminal
F48	Fuse 48 on fuse holder C -SC48-	20 A	Onboard supply control unit -J519- , (T52b/42), (only AW1) Onboard supply control unit -J519- , (T73b/11), (only AW0) Onboard supply control unit -J519- , (T73b/13), (only AW0)	30
F49	Fuse 49 on fuse holder C -SC49-	40 A	Auxiliary heater operation relay -J485- Climatronic control unit -J255- Air conditioning system control unit -J301- Heater control unit -J162-	30
F50	Fuse 50 on fuse holder C -SC50-	30 A	Heated front seats control unit -J774-	30
F51	Fuse 51 on fuse holder C -SC51-	20 A	Sliding sunroof adjustment control unit -J245-	30
F52	Fuse 52 on fuse holder C -SC52-	20 A	Headlight washer system relay -J39- Headlight washer system pump -V11-	30
F53	Fuse 53 on fuse holder C -SC53-	30 A	Onboard supply control unit -J519- , (T52b/1), (only AW1) Onboard supply control unit -J519- , (T73a/16), (only AW0)	30
F54	not assigned	-		-
F55	Fuse 55 on fuse holder C -SC55-	15 A	Two-way radio socket -U4- Diagnostic connection -U31-	30
F56	Fuse 56 on fuse holder C -SC56- <sup>3)</sup>	10 A	Fan enabling relay -J937-	30
F57	Fuse 57 on fuse holder C -SC57-	20 A	Radio -R- Control unit with display for radio and navigation -J503-	30
F58	Fuse 58 on fuse holder C -SC58- <sup>3)</sup>	20 A	Onboard supply control unit -J519- , (T73a/63), (only AW0)	30
F59	Fuse 59 on fuse holder C -SC59- <sup>3)</sup>	20 A	Onboard supply control unit -J519- , (T73b/68), (only AW0)	30
F60	Fuse 60 on fuse holder C -SC60- <sup>3)</sup>	20 A	Left steering column switch -EX19- Right steering column switch -EX20-	30

1) Only models with headlight washer system

2) Only models with hybrid drive system

3) Only left-hand drive models

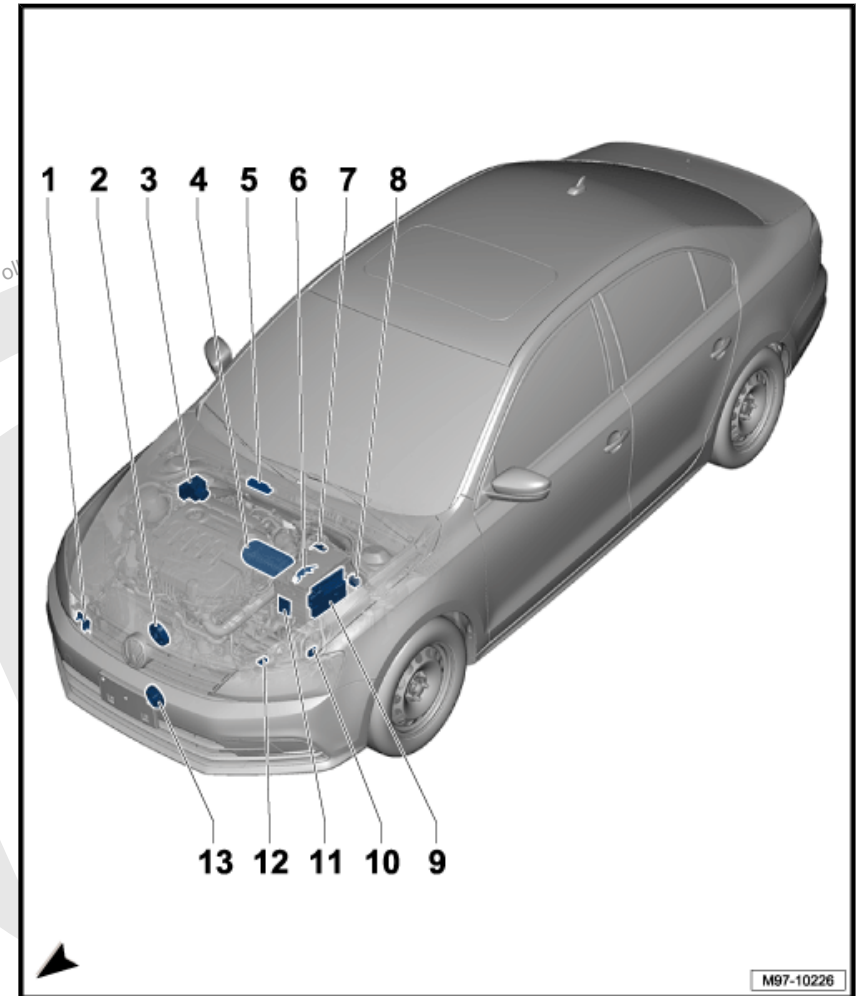
4) Only models with "High" equipment (AW1)

5) According to equipment

6) Only models with "Low" equipment (AW0)



- 1 - Auxiliary heater control unit -J364-**
  - Fitting location ⇒ [page 5](#)
- 2 - Radiator fan control unit -J293-**
  - Fitting location ⇒ [page 4](#)
- 3 - ABS control unit -J104-**
  - Fitting location with 26-pin connector -T26- ⇒ [page 9](#)
  - Fitting location with 47-pin connector -T47- ⇒ [page 11](#)
- 4 - Power steering control unit -J500-**
  - Fitting location ⇒ [page 26](#)
- 5 - Control unit for structure-borne sound -J869-**
  - Fitting location ⇒ [page 24](#)
- 6 - Control unit for NOx sender -J583-**
  - Fitting location ⇒ [page 13](#)
- 7 - Battery monitoring control unit -J367-**
  - Fitting location ⇒ [page 32](#)
- 8 - Automatic glow period control unit -J179-**
  - Fitting location ⇒ [page 7](#)
- 9 - Engine control unit -J623-**
  - Fitting location with 60-pin connector -T60- / 94-pin connector -T94- ⇒ [page 30](#)
  - Fitting location with 105-pin connector -T105- / 91-pin connector -T91- ⇒ [page 28](#)
  - Fitting location with 80-pin connector -T80- ⇒ [page 31](#)
- 10 - Mechatronic unit for dual clutch gearbox -J743-**
  - Fitting location with 20-pin connector -T20e- ⇒ [page 22](#)
- 11 - Automatic gearbox control unit -J217-**
  - Fitting location: in plenum chamber ⇒ [page 15](#)
  - Fitting location: in engine compartment ⇒ [page 17](#)
- 12 - Mechatronic unit for dual clutch gearbox -J743-**
  - Fitting location with 25-pin connector -T25- ⇒ [page 20](#)
- 13 - Adaptive cruise control unit -J428-**
  - Fitting location ⇒ [page 34](#)



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[Back to overview](#) ⇒ [page 3](#)

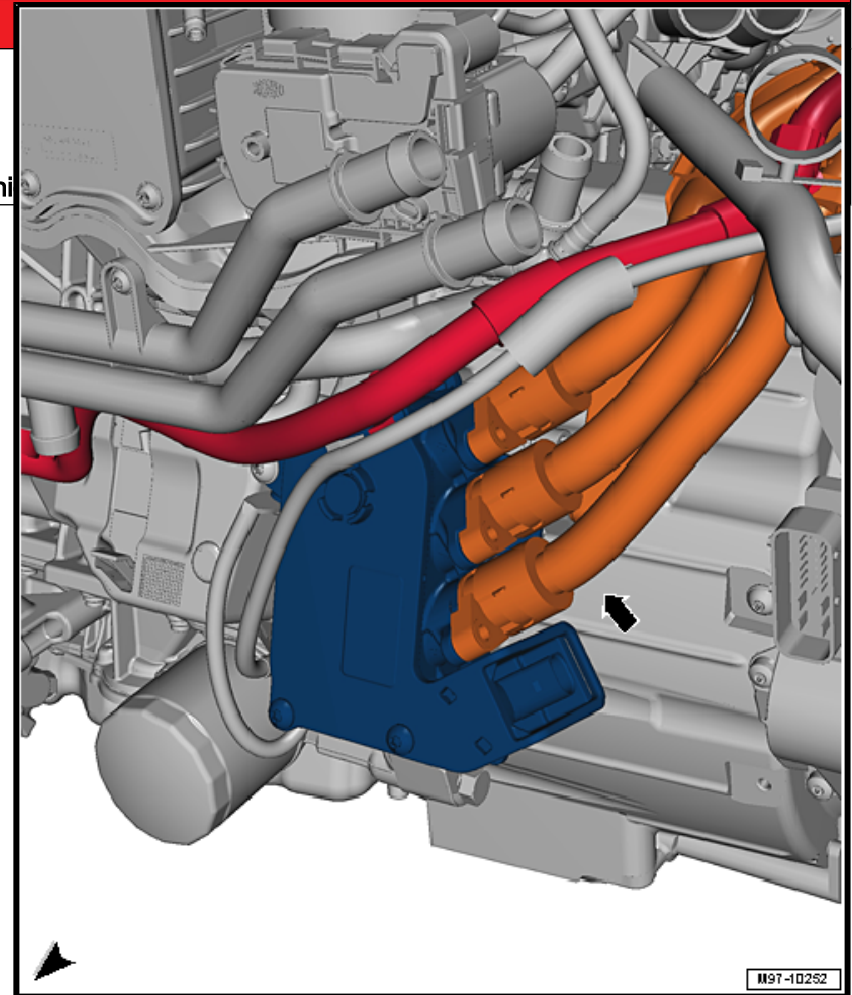
**⚠ DANGER**

Risk of fatal injury due to high voltage.

Death or serious injuries due to electrical shock.

- Have the high-voltage system de-energised by a suitably qualified person.
- Read and observe safety information ⇒ Repair Group 93 ; General warnings for work on the hi

- Three-phase current drive -VX54- -arrow-, High-voltage wiring harness for drive motor -PX2-

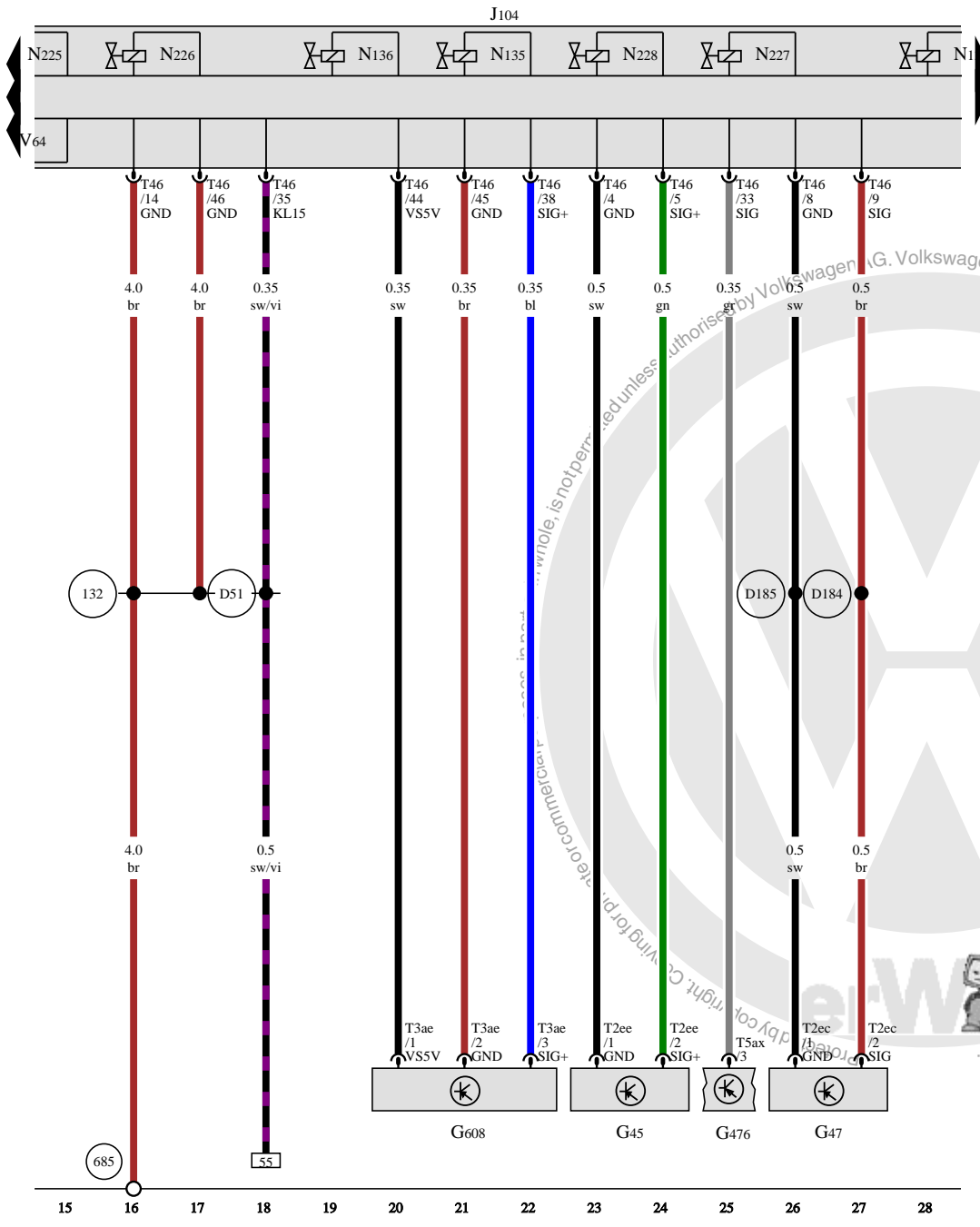


## Connector assignment of mobile telephone operating electronics control unit -J412-

-T54a- -A-	Designation	-T54a- -A-	Designation	-T54a- -A-	Designation
1	Terminal 30	19		37	
2	Terminal 31	20		38	Telephone bracket -R126-
3		21		39	
4	Radio -R- / control unit with display for radio and navigation -J503-	22	Radio -R- / control unit with display for radio and navigation -J503-	40	Telephone bracket -R126-
5	Radio -R- / control unit with display for radio and navigation -J503-	23	Radio -R- / control unit with display for radio and navigation -J503-	41	
6	Navigation system interface -R94- <sup>1)</sup>	24	Radio -R- / control unit with display for radio and navigation -J503-	42	
7	Navigation system interface -R94- <sup>1)</sup>	25		43	
8	Radio -R- / control unit with display for radio and navigation -J503-	26		44	
9	Radio -R- / control unit with display for radio and navigation -J503-	27		45	
10		28		46	
11	Radio -R- / control unit with display for radio and navigation -J503- Telephone microphone -R38- Navigation system interface -R94-	29		47	Telephone bracket -R126-
12	Telephone microphone -R38- Navigation system interface -R94- <sup>1)</sup> Radio -R- / control unit with display for radio and navigation -J503-	30	Emergency assistance call button -E276-	48	Telephone bracket -R126-
13		31	Emergency assistance call button -E276-	49	
14		32		50	
15		33	Connection for external audio sources -R199-	51	
16		34	Connection for external audio sources -R199-	52	
17	CAN high	35	Connection for external audio sources -R199-	53	
18	CAN low	36		54	

<sup>1)</sup>Only when fitted under centre armrest, front

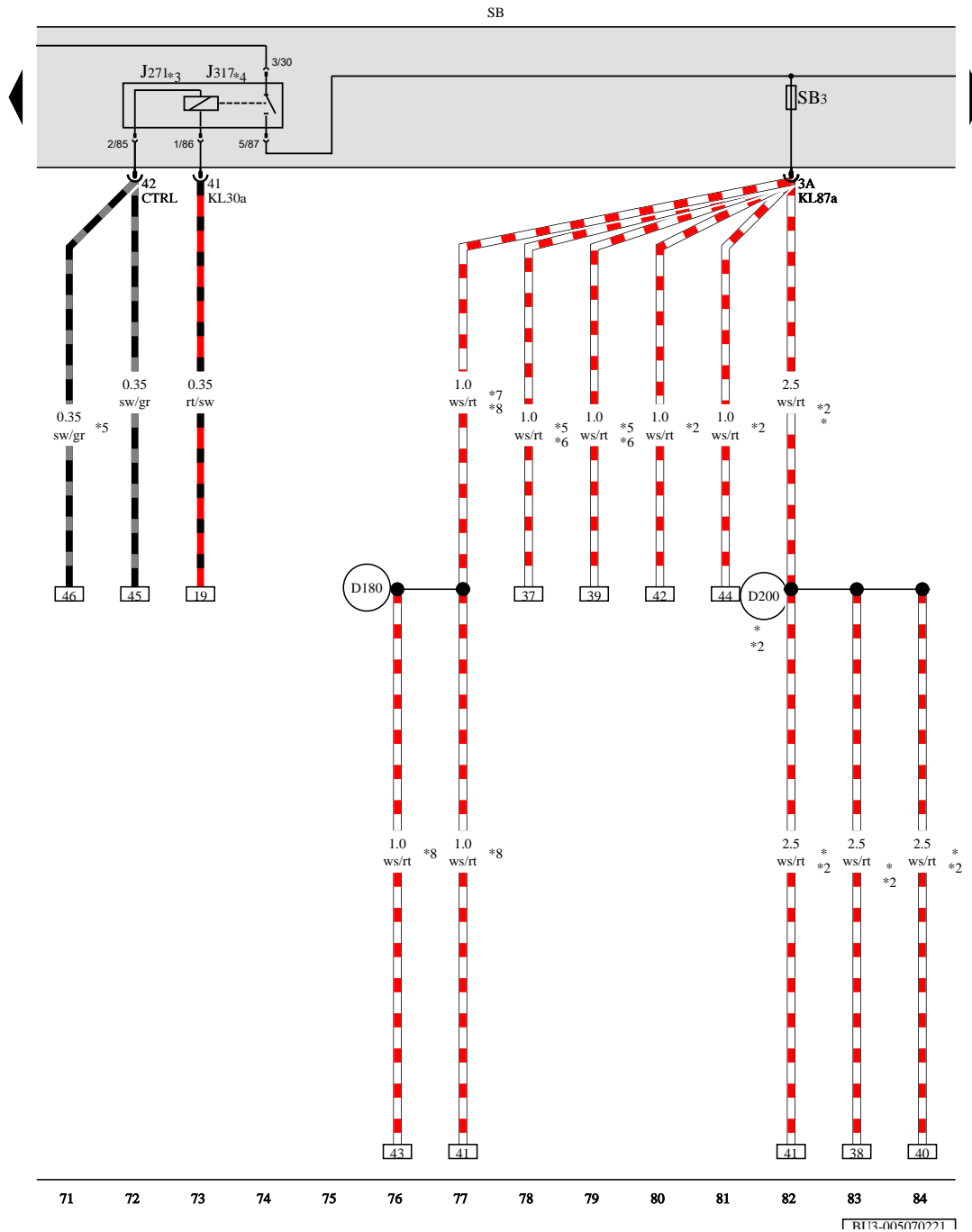
<b>-T52a- -A-</b>	<b>Designation</b>	<b>-T52b- -B-</b>	<b>Designation</b>	<b>-T52c- -C-</b>	<b>Designation</b>
4		4		4	Left tail light -MX3-
5	Front left headlight -MX1-	5	Tank filler flap locking motor -V155- / fuel tank cap detection switch -F334-	5	367 - Earth connection 2, in main wiring harness
6	Front left headlight -MX1-	6		6	
7	Front left headlight -MX1-	7		7	Hazard warning lights button -E229-
8	Front right headlight -MX2-	8		8	
9	C30 - Connection 2 (right turn signal), in headlight wiring harness	9		9	
10	Front left headlight -MX1-	10		10	B154 - Connection 1 (DCt), in interior wiring harness
11	Front left headlight -MX1-	11	Rear lid electric opener motor -V254- / rear lid lock unit -F256-	11	
12		12	Terminal 15 voltage supply relay -J329-	12	
13	Rear lid handle release button -E234-	13		13	Control unit for electronic steering column lock -J764- / A219 - Connection (S contact), in main wiring harness
14	Bonnet contact switch -F266-	14	Heater control unit -J65-	14	Terminal 50
15		15	Switch and instrument illumination regulator -E20-	15	B397 - Connection 1 (convenience CAN bus, high), in main wiring harness
16	U27 - Connection (RL), in gearbox switch wiring harness	16		16	B406 - Connection 1 (convenience CAN bus, low), in main wiring harness
17	Rotary light switch -EX1-	17		17	B335 - Connection 1 (54), in main wiring harness
18	Rotary light switch -EX1-	18	Wiper motor relay 1 -J368-	18	
19	Rotary light switch -EX1-	19		19	
20	Rotary light switch -EX1-	20	Windscreen wiper motor -V-	20	
21	Rotary light switch -EX1-	21	Heated front seats control unit -J774-	21	A12 - Positive connection (75a), in dash panel wiring harness
22	Rotary light switch -EX1-	22	Heated rear window relay -J9-	22	
23	367 - Earth connection 2, in main wiring harness	23	Wiper motor relay 2 -J369-	23	
24	Terminal 30	24	Hazard warning lights button -E229-	24	Entry and start authorisation control unit -J518-
25	C69 - Front left connection (fog light), in main wiring harness	25		25	C25 - Connection (fog light), in front lighting wiring harness
26	Right tail light -MX4-	26		26	Front left headlight -MX1-



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
- N134 Rear left ABS inlet valve
- 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
- T2ec 2-pin connector, black
- T2ee 2-pin connector, black
- T3ae 3-pin connector, black
- T5ax 5-pin connector, black
- T46 46-pin connector, black
- V64 ABS hydraulic pump
- 132 Earth connection 3, in engine compartment wiring harness
- 685 Earth point 1, on front of right longitudinal member
- 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

- 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



Main relay, Terminal 30 voltage supply relay

- J271 Main relay
- J317 Terminal 30 voltage supply relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B

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

D200 Positive connection 3 (15a), in engine compartment wiring harness

- \* see applicable current flow diagram for engine
- \*2 According to equipment
- \*3 For models with petrol engine
- \*4 For models with diesel engine
- \*5 For models with 2.0l engine
- \*6 gradual introduction
- \*7 For models with 1.4l engine
- \*8 Up to January 2019

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



71 72 73 74 75

76 77

78 79 80 81

82 83 84

1R1131005070221

## Airbag systems , (4UF)

From December 2017



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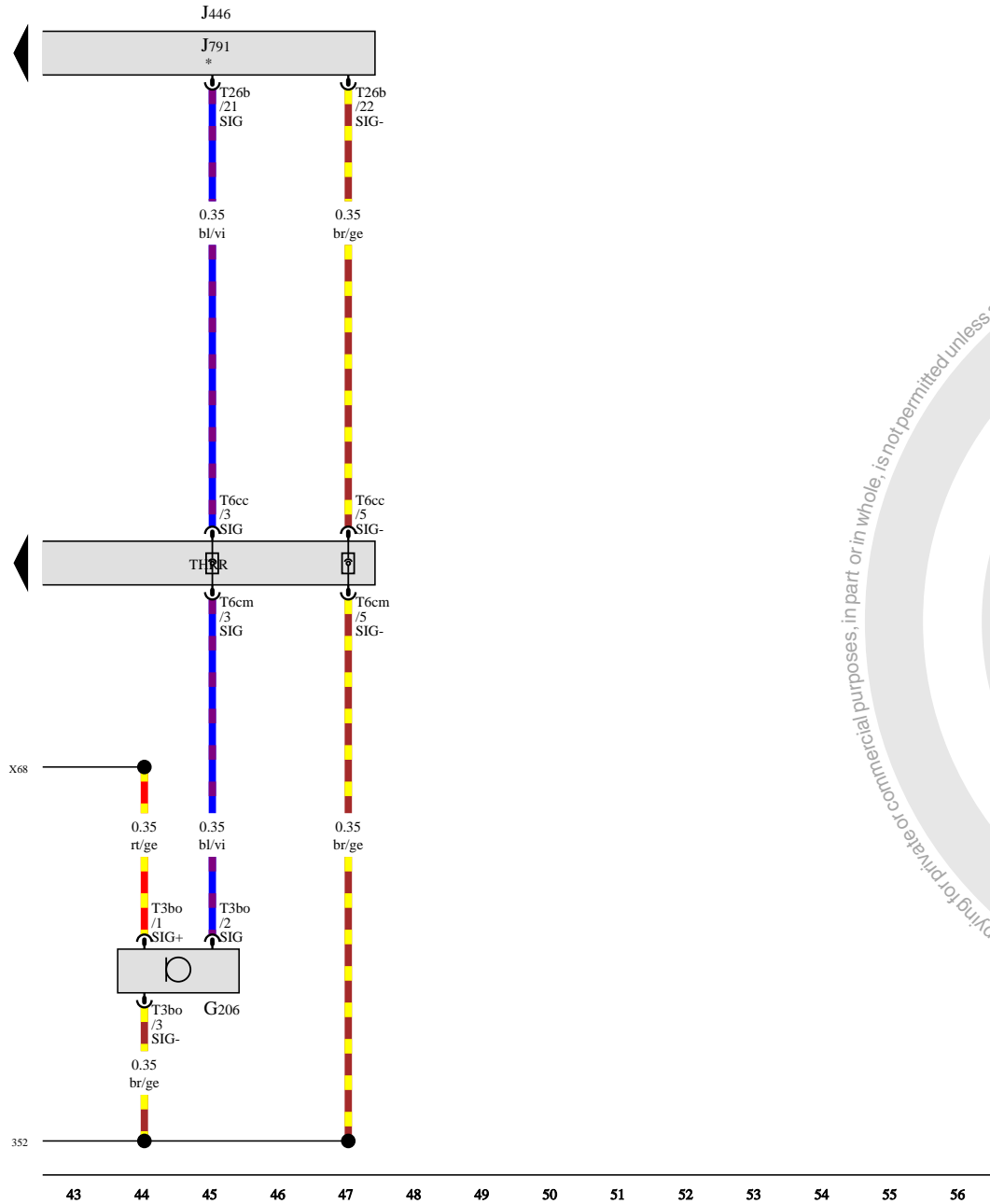
- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

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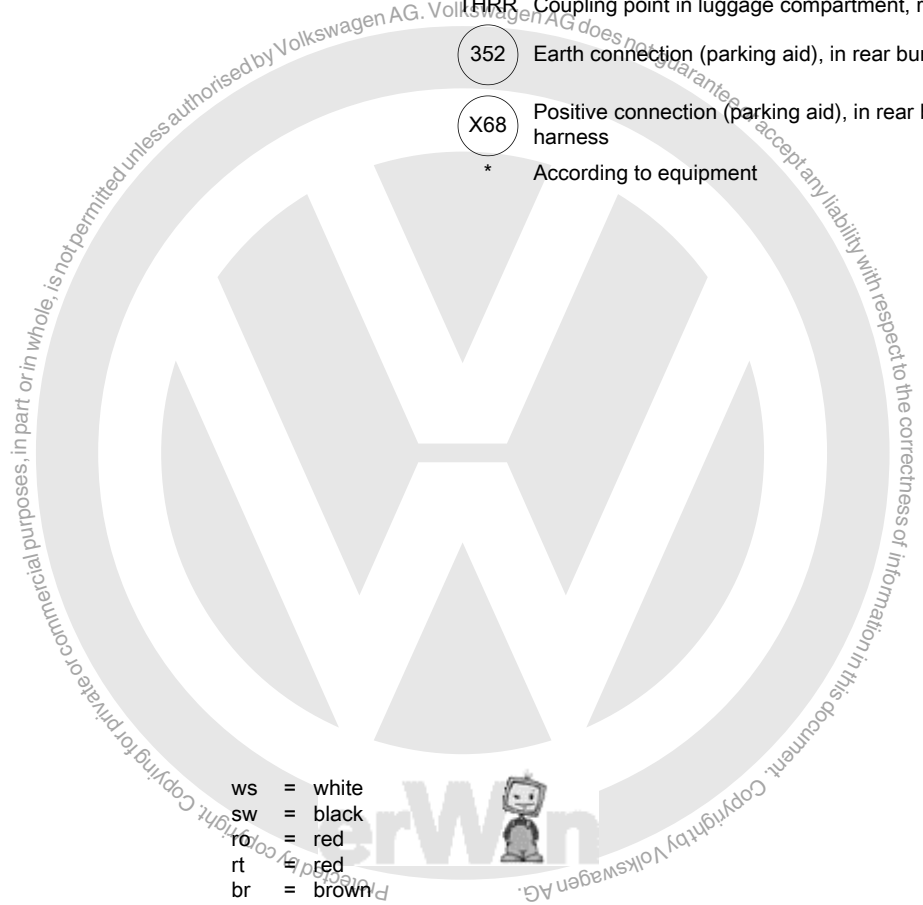
Rear right parking aid sender, Parking aid control unit, Park assist steering control unit

- G206 Rear right parking aid sender
- J446 Parking aid control unit
- J791 Park assist steering control unit
- T3bo 3-pin connector
- T6cc 6-pin connector
- T6cm 6-pin connector
- T26b 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
- \* According to equipment



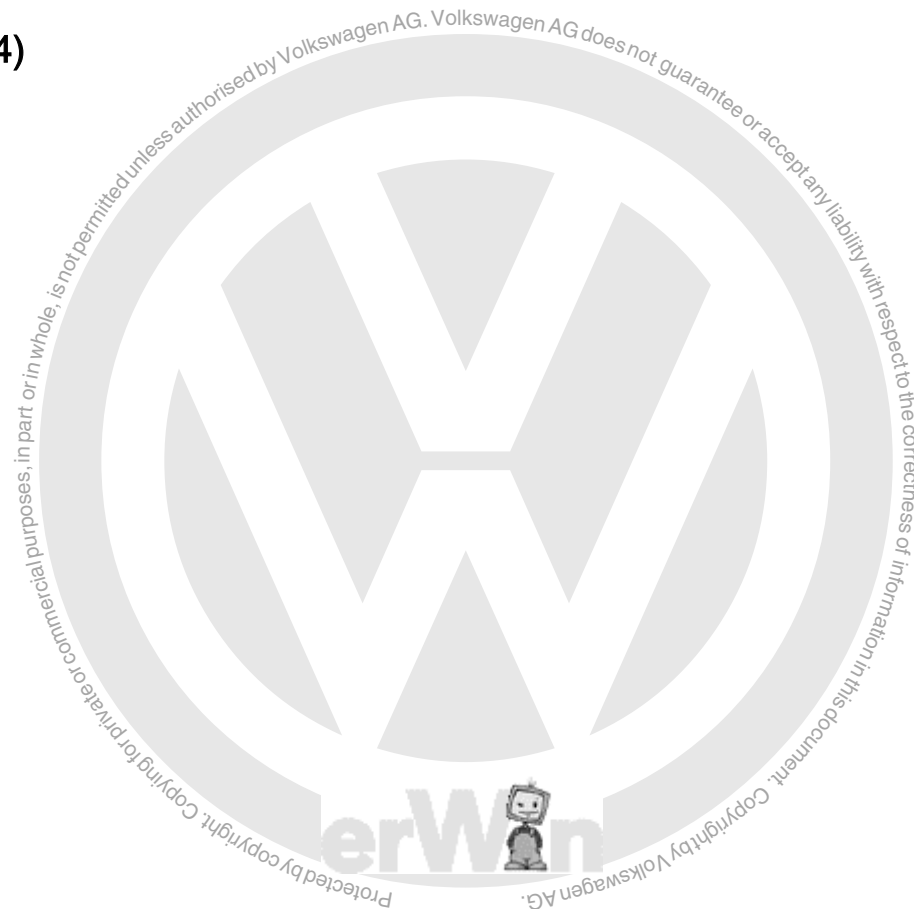
- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



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## Dynamic Chassis Control , (2H4)

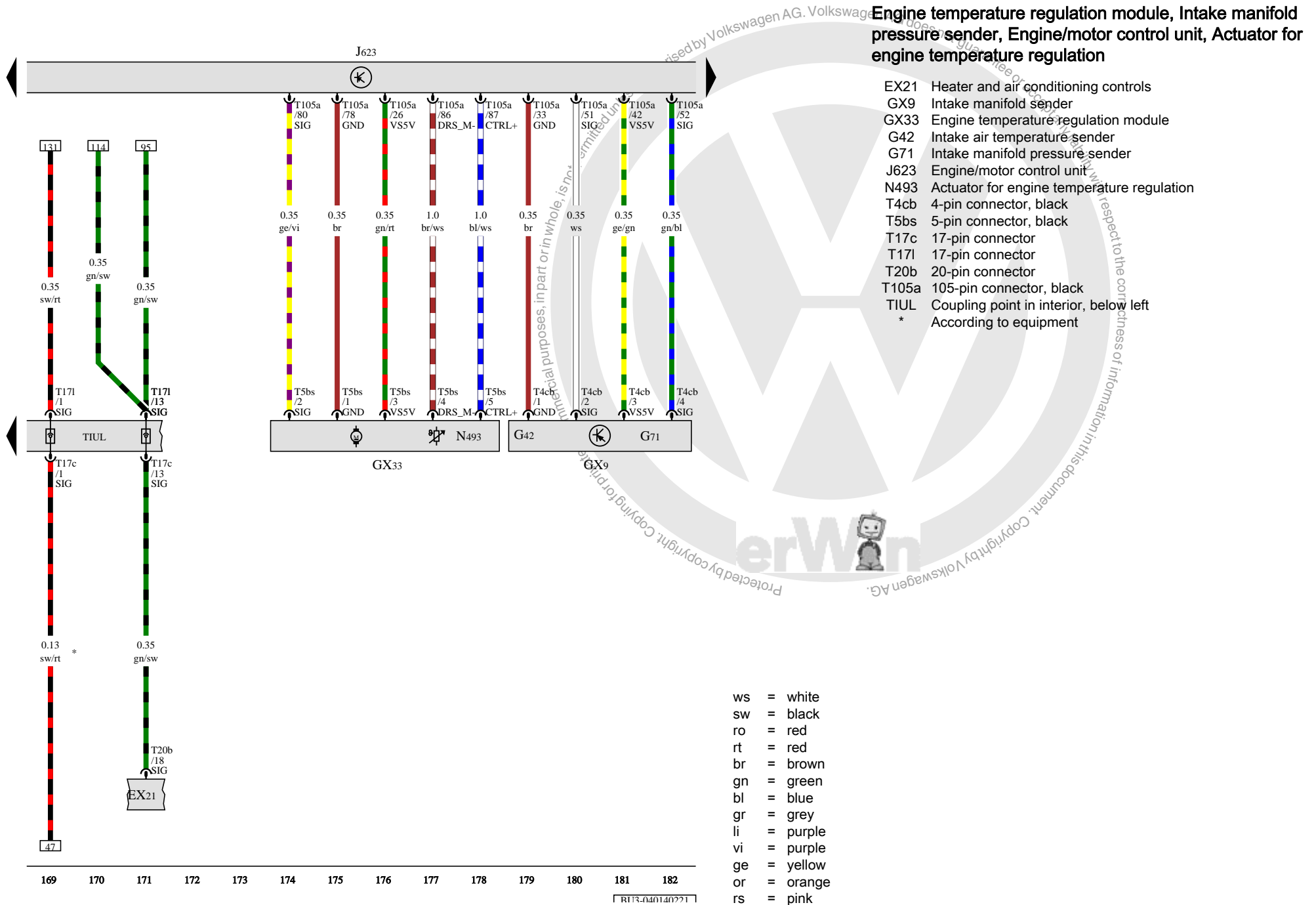
From December 2017

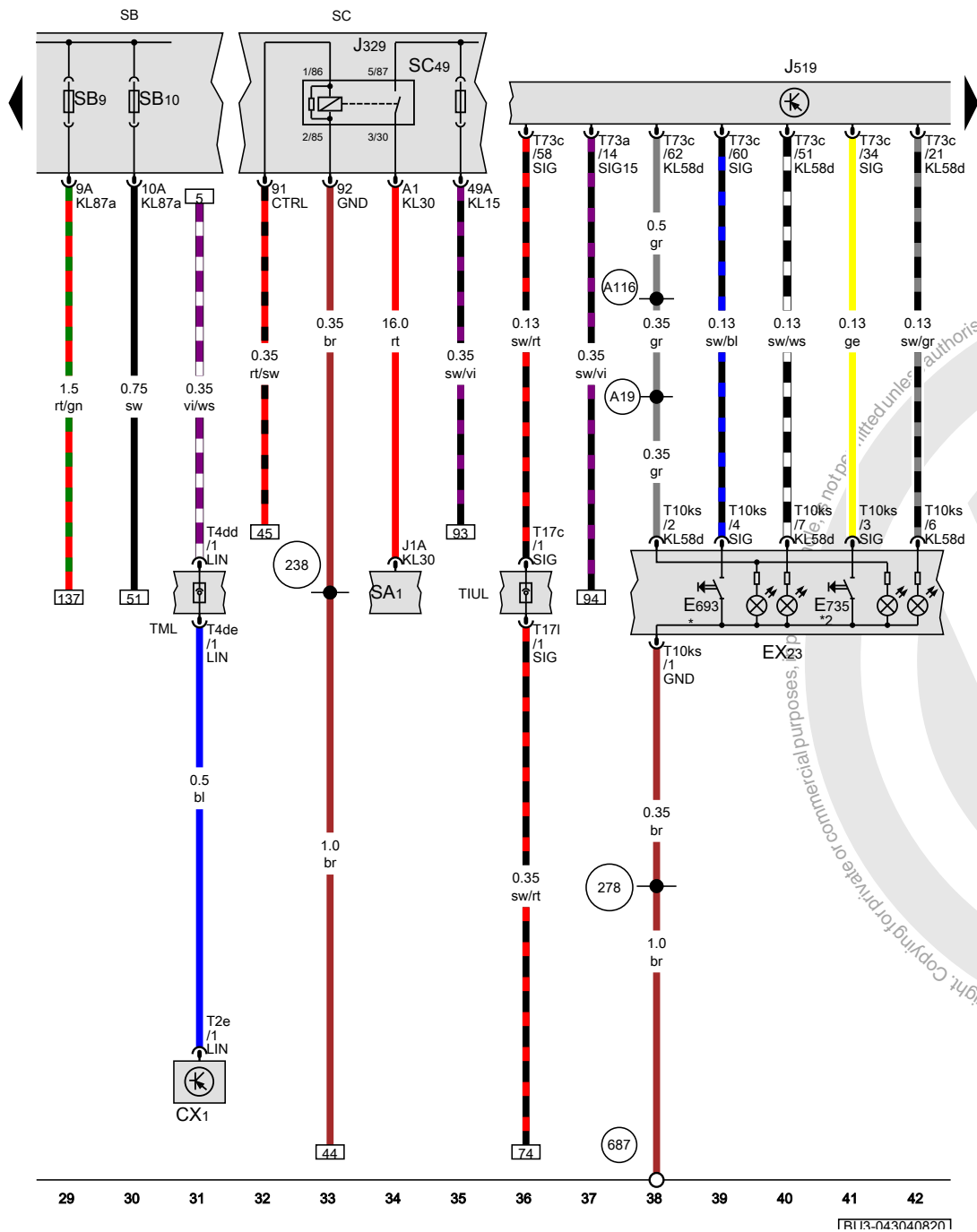


## Dual clutch gearbox 0D9 , (0ES)

From December 2017





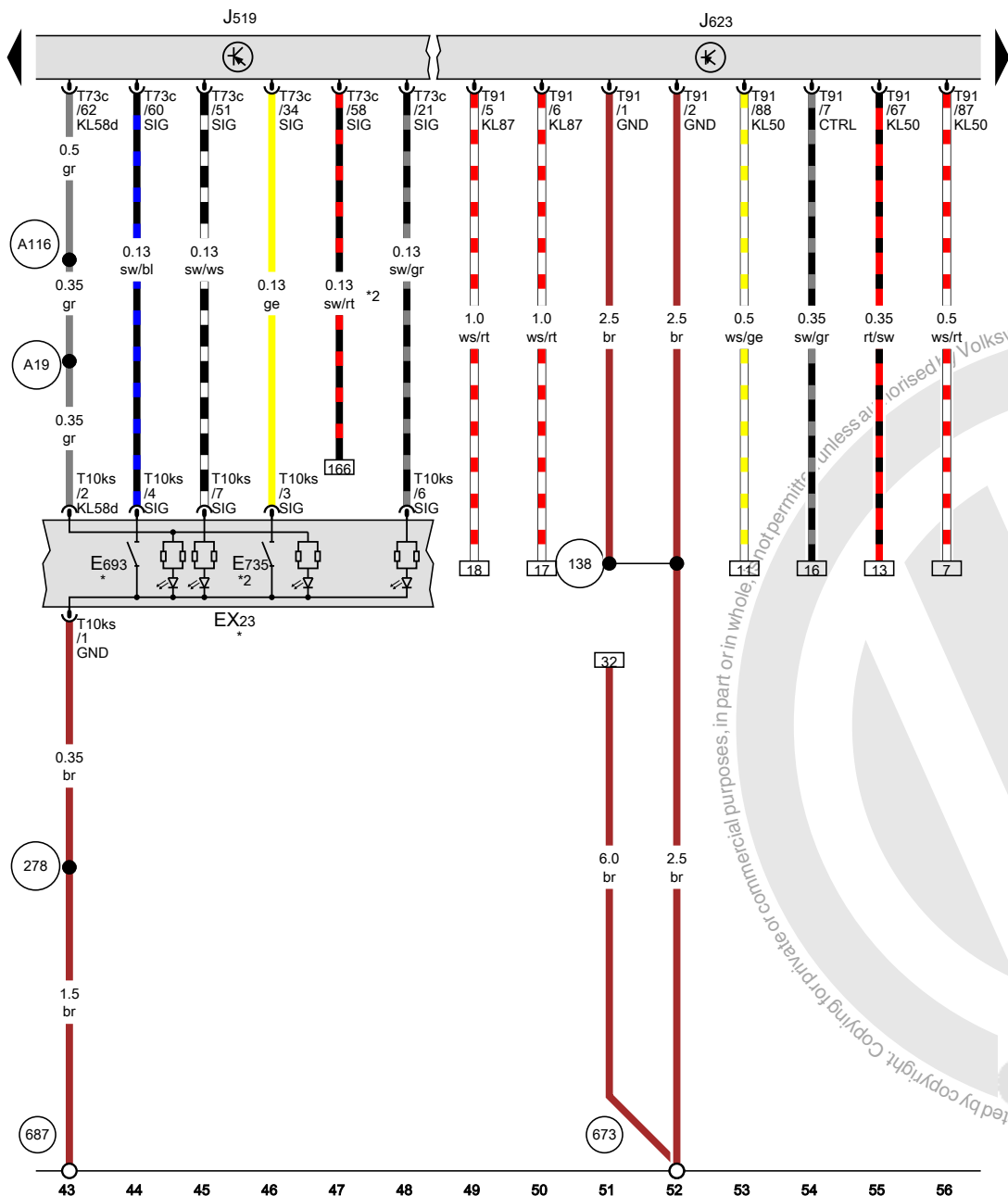


Alternator with voltage regulator, Switch module 1 in centre console, Start/Stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- CX1 Alternator with voltage regulator
- 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
- SB Fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T2e 2-pin connector
- T4dd 4-pin connector, black
- T4de 4-pin connector, black
- T10ks 10-pin connector
- T17c 17-pin connector
- T17i 17-pin connector
- T73a 73-pin connector
- T73c 73-pin connector
- TIUL Coupling point in interior, below left
- TML Coupling point in engine compartment, left
- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 687 Earth point 1, on centre tunnel
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel wiring harness

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

For models with start/stop system  
According to equipment



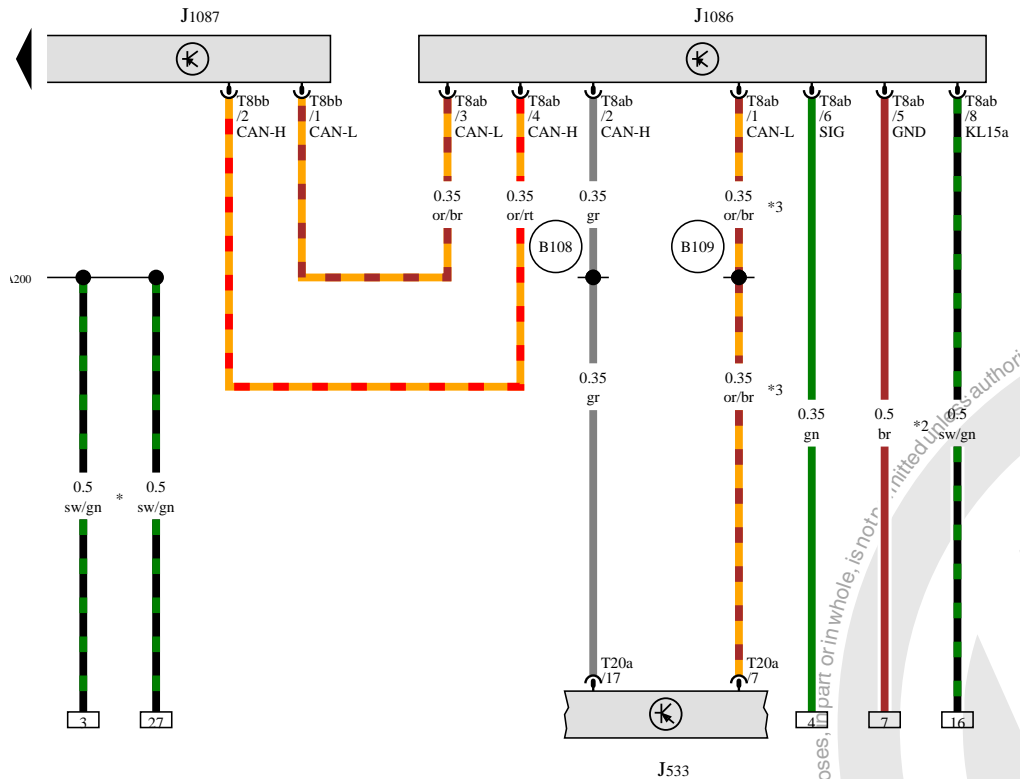
Switch module 1 in centre console, Start/Stop operation button, Driving mode selection button, Onboard supply control unit, Engine/motor control unit

- 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
- T73c 73-pin connector
- T91 91-pin connector
- 138 Earth connection (control unit), in Motronic wiring harness

- 278 Earth connection 4, in interior wiring harness
- 673 Earth point 3, on front of left longitudinal member
- 687 Earth point 1, on centre tunnel
- 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

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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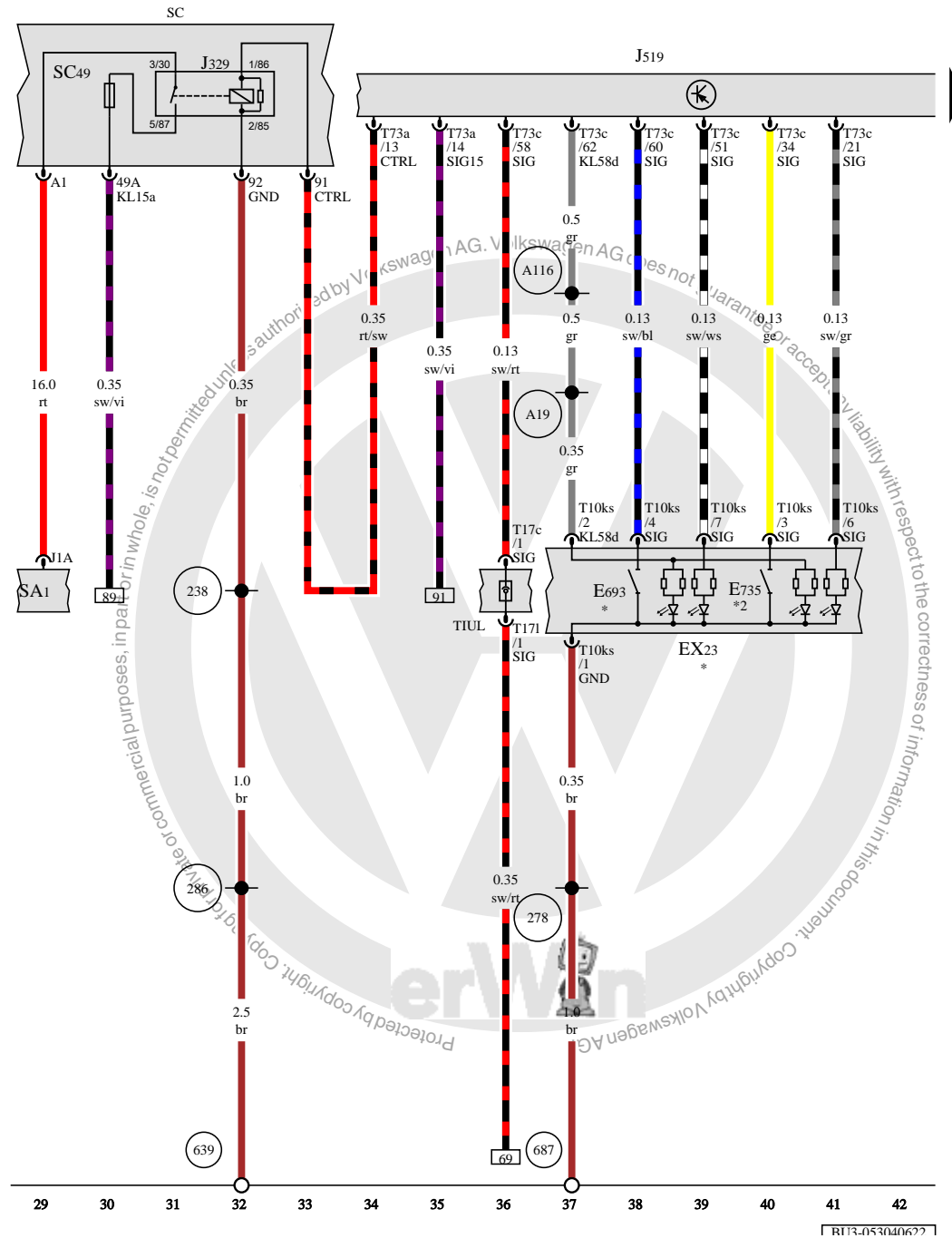
Data bus diagnostic interface, Blind Spot Monitor control unit, Blind Spot Monitor control unit 2

- J533 Data bus diagnostic interface
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- T8ab 8-pin connector
- T8bb 8-pin connector
- T20a 20-pin connector, red
- (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
- \* According to equipment
- \*2 Cross section depends on equipment
- \*3 Wiring colour depends on equipment

- 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

15 16 17 18 19 20 21 22 23 24 25 26 27 28

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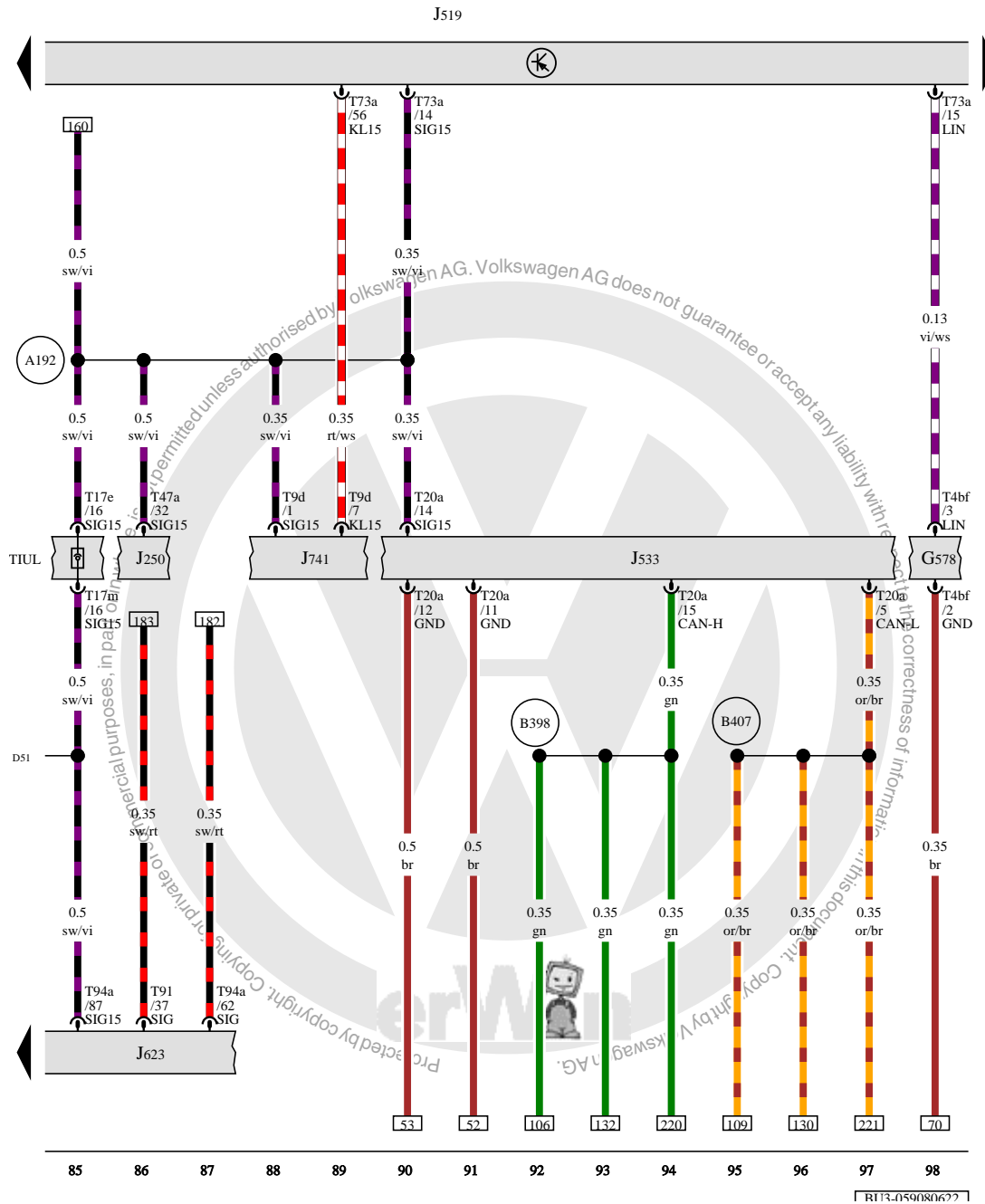


Switch module 1 in centre console, Start/stop operation button, Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

- 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
  - T17c 17-pin connector, red
  - T17i 17-pin connector
  - T73a 73-pin connector
  - T73c 73-pin connector
  - TIUL Coupling point in interior, below left
- 238 Earth connection 1, in interior wiring harness
  - 278 Earth connection 4, in interior wiring harness
  - 286 Earth connection 8, in interior wiring harness
  - 639 Earth point, on left A-pillar
  - 687 Earth point 1, on centre tunnel
  - 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

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

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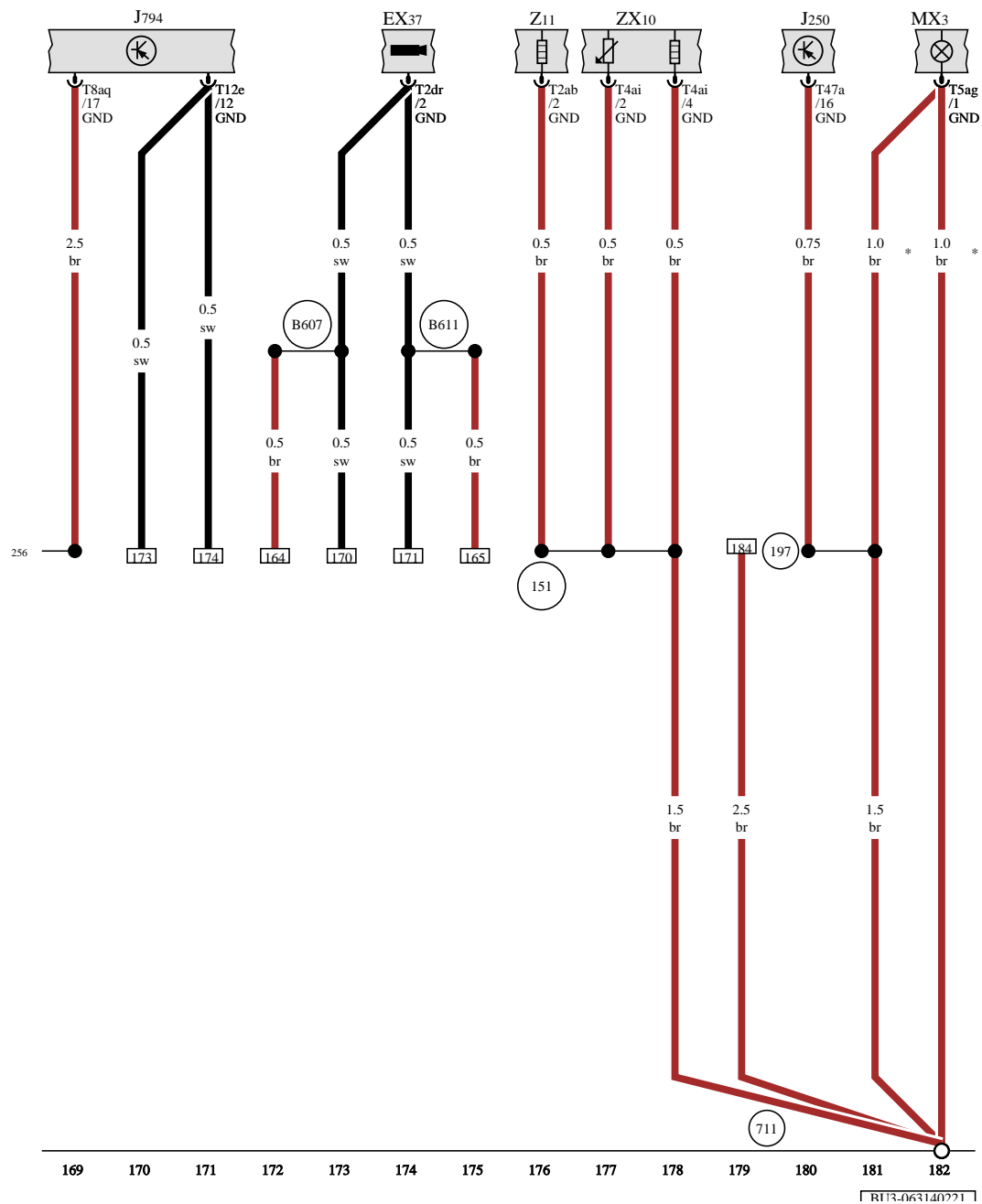


Onboard supply control unit

- G578 Anti-theft alarm sensor
- J250 Electronically controlled damping control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- J741 Dual signal inverter relay
- T4bf 4-pin connector
- T9d 9-pin connector
- T17e 17-pin connector, blue
- T17m 17-pin connector, blue
- T20a 20-pin connector
- T47a 47-pin connector
- T73a 73-pin connector
- T91 91-pin connector
- T94a 94-pin connector
- TIUL Coupling point in interior, below left

- (A192) Positive connection 3 (15a) 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
- (D51) Positive connection 1 (15), in engine compartment wiring harness

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



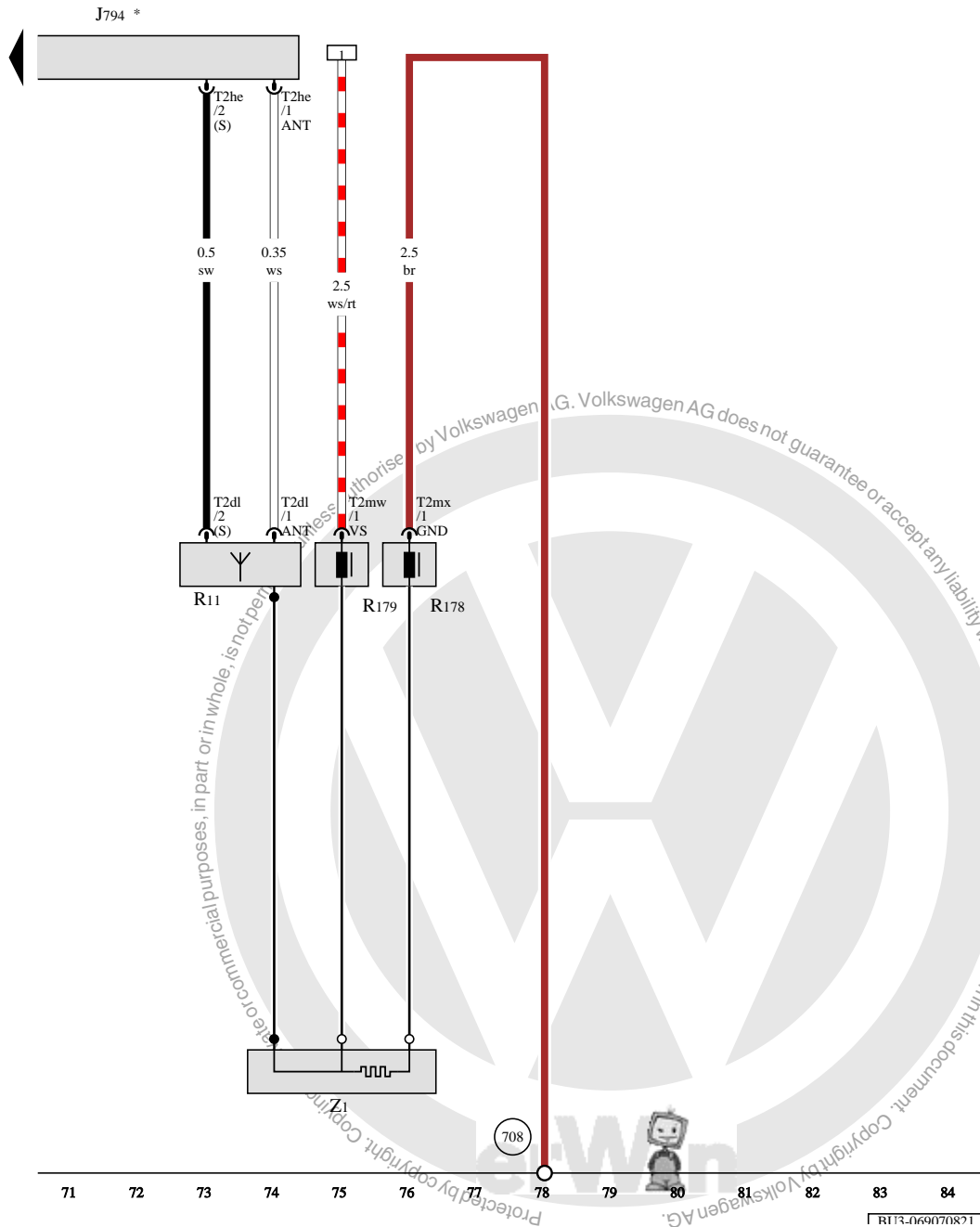
Rear lid handle, Electronically controlled damping control unit, Control unit 1 for information electronics, Left tail light cluster, Rear left seat heating, Heated backrest for rear left seat

- EX37 Rear lid handle
- J250 Electronically controlled damping control unit
- J794 Control unit 1 for information electronics
- MX3 Left tail light cluster
- T2ab 2-pin connector
- T2dr 2-pin connector
- T4ai 4-pin connector
- T5ag 5-pin connector, black, blue
- T8aq 8-pin connector, black
- T12e 12-pin connector
- T47a 47-pin connector, black
- ZX10 Rear left seat heating
- Z11 Heated backrest for rear left seat

- 151 Earth connection 1, in front wiring harness
- 197 Earth connection 4, in rear wiring harness
- 256 Earth connection 2, in radio wiring harness
- 711 Earth point 3 on rear left longitudinal member
- B607 Connection 3, in interior wiring harness
- B611 Connection 7, in interior 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
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Control unit 1 for information electronics, Aerial, Frequency modulation (FM) frequency filter in negative wire, Frequency modulation (FM) frequency filter in positive wire, Heated rear window

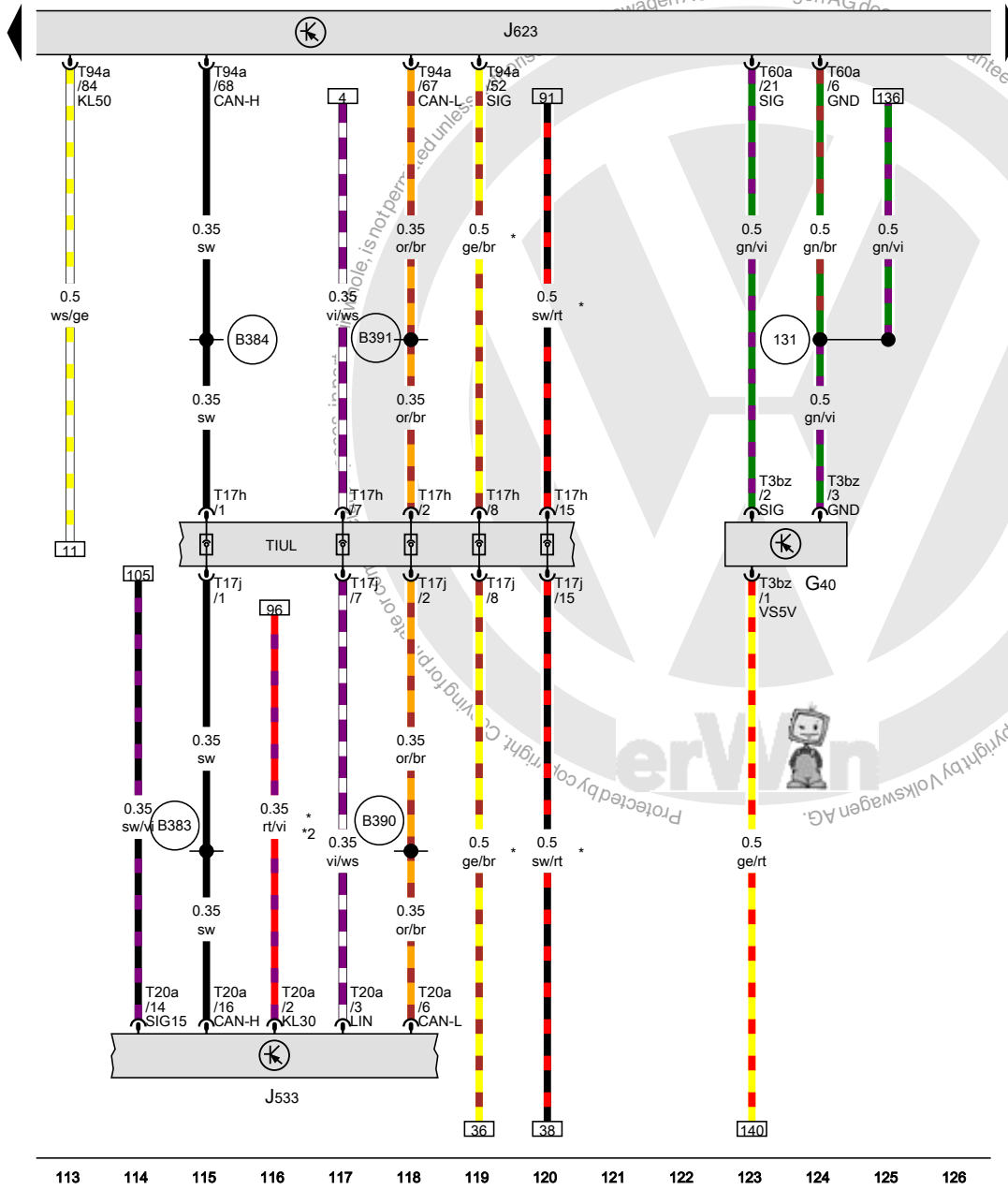
- J794 Control unit 1 for information electronics
- R11 Aerial
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T2dl 2-pin connector, yellow
- T2he 2-pin connector
- T2mw 2-pin connector, black
- T2mx 2-pin connector, black
- Z1 Heated rear window

708 Earth point 2 on rear right longitudinal member

\* 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
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- rs = pink





Hall sender, Data bus diagnostic interface, Engine/motor control unit

- G40 Hall sender
- J533 Data bus diagnostic interface
- J623 Engine/motor control unit
- T3bz 3-pin connector, black
- T17h 17-pin connector, brown
- T17j 17-pin connector, brown
- T20a 20-pin connector
- T60a 60-pin connector, black
- T94a 94-pin connector
- TIUL Coupling point in interior, below left

- 131 Earth connection 2, in engine compartment 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 For models with no start/stop system

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- 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

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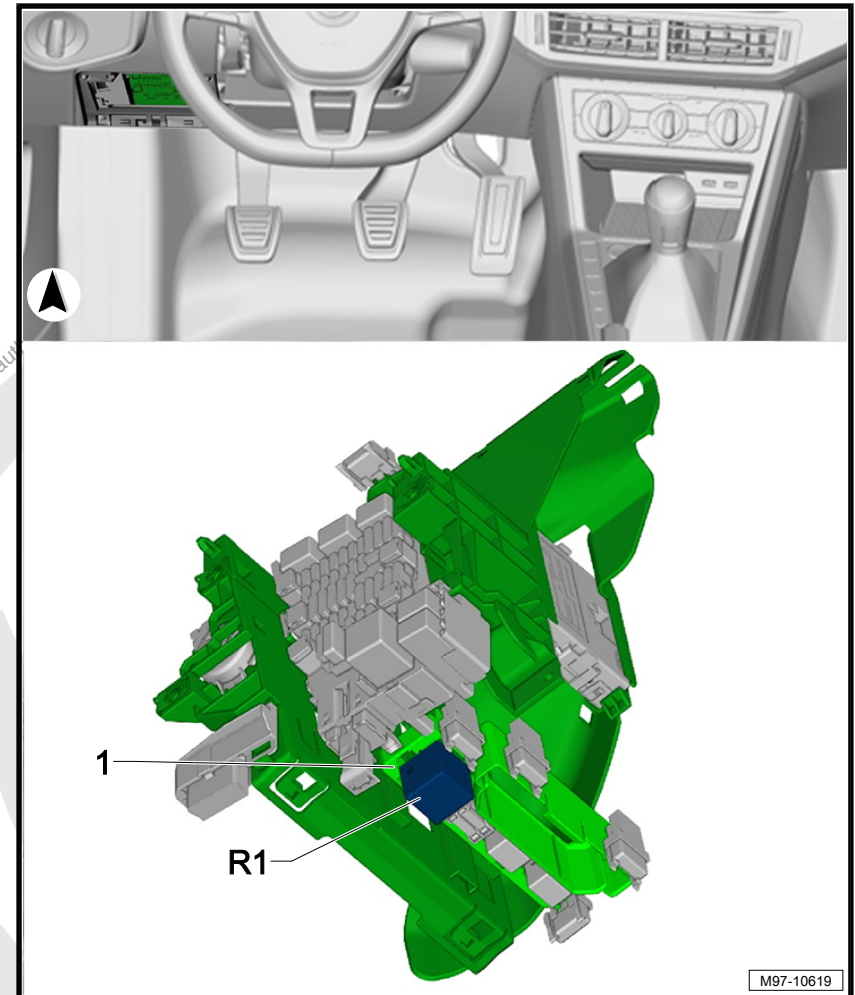
Slot	Current flow diagram designation	Nominal value	Function / component	Terminal
			Activated charcoal filter solenoid valve 1 -N80- Charge air cooling pump -V188- Piston cooling jet control valve -N522- Valve for oil pressure control -N428- Intake manifold flap valve -N316- Turbocharger air recirculation valve -N249- Engine component current supply relay -J757- <sup>5)</sup> Inlet cam actuator for cylinder 2 -N583- Exhaust cam actuator for cylinder 2 -N587- Inlet cam actuator for cylinder 3 -N591- Exhaust cam actuator for cylinder 3 -N595- Vacuum pump relay -J318-	
SB5	Fuse 5 on fuse holder B -SB5-	10 A 7.5 A <sup>6)</sup>	Engine component current supply relay -J757- Engine/motor control unit -J623- Injector, cylinder 1 -N30- Injector, cylinder 2 -N31- Injector, cylinder 3 -N32- Injector, cylinder 4 -N33- Exhaust cam actuator A for cylinder 1 -N580- Exhaust cam actuator B for cylinder 1 -N581- Exhaust cam actuator A for cylinder 2 -N588- Exhaust cam actuator B for cylinder 2 -N589- Exhaust cam actuator A for cylinder 3 -N596- Exhaust cam actuator B for cylinder 3 -N597- Exhaust cam actuator A for cylinder 4 -N604- Heater element for crankcase breather -N79- Exhaust cam actuator B for cylinder 4 -N605-	87
SB6	Fuse 6 on fuse holder B -SB6-	7.5 A	Brake light switch -F-	87
SB7	Fuse 7 on fuse holder B -SB7-	7.5 A <sup>1)</sup> 10 A <sup>2)</sup>	Radiator blind control motor -V544- Charge air cooling pump -V188-	87

1.6.1 Relay on fuse carrier 1 -ST1- , from December 2017

1 - Fuse carrier 1 -ST1-

R1 - Remote starting system relay -J471-

- For models with remote engine start



Back to overview ⇒ [page 1](#)

1.7 Vacuum pump relay -J318-

- ◆ ⇒ ["1.7.1 Vacuum pump relay J318", page 9](#)



## 1 Fitting locations: middle part of vehicle

- ◆ ⇒ ["1.1 At front of interior", page 6](#)
- ◆ ⇒ ["1.2 At rear of interior", page 15](#)
- ◆ ⇒ ["1.3 Roof", page 18](#)
- ◆ ⇒ ["1.4 Doors", page 21](#)
- ◆ ⇒ ["1.5 Heater and air conditioning unit", page 25](#)

Component	Chapter	Comment
Ignition/starter switch -D-	⇒ <a href="#">"1.1.6 Steering column", page 12</a>	
Immobiliser reader coil -D2-	⇒ <a href="#">"1.1.6 Steering column", page 12</a>	
Driver seat lumbar support adjustment switch -E176-	⇒ <a href="#">"1.1.8 Left front seat", page 14</a>	
Key operated switch to deactivate airbag on front passenger side -E224-	⇒ <a href="#">"1.1.3 Front right of interior", page 9</a>	
Hazard warning lights button -E229-	⇒ <a href="#">"1.1.4 Dash panel", page 10</a>	
Driver side belt switch -E24-	⇒ <a href="#">"1.1.8 Left front seat", page 14</a>	
Front passenger side belt switch -E25-	⇒ <a href="#">"1.1.9 Right front seat", page 15</a>	
Driver side interior locking button for central locking system -E308-	⇒ <a href="#">"1.4.1 Driver door", page 22</a>	
Selector lever -E313-	⇒ <a href="#">"1.1.7 Front centre console", page 13</a>	
Sunroof button -E325-	⇒ <a href="#">"1.3.3 Roof, sliding/tilting sunroof, 3FB", page 21</a>	
Starter button -E378-	⇒ <a href="#">"1.1.7 Front centre console", page 13</a>	
Tiptronic switch in steering wheel to shift up -E438-	⇒ <a href="#">"1.1.5 Steering wheel", page 11</a>	
Tiptronic switch in steering wheel to shift down -E439-	⇒ <a href="#">"1.1.5 Steering wheel", page 11</a>	
Multifunction buttons on right in steering wheel -E441-	⇒ <a href="#">"1.1.5 Steering wheel", page 11</a>	
Operating unit for preparation for mobile telephone -E508-	⇒ <a href="#">"1.3.1 Roof, part 1", page 19</a>	
Operating unit for window regulator in driver door -E512-	⇒ <a href="#">"1.4.1 Driver door", page 22</a>	
Electromechanical parking brake button -E538-	⇒ <a href="#">"1.2.3 Rear centre console", page 18</a>	
Driver seat massage function button -E670-	⇒ <a href="#">"1.1.8 Left front seat", page 14</a>	
Rear driver side window regulator button -E711-	⇒ <a href="#">"1.4.3 Rear left door", page 24</a>	
Rear passenger side window regulator button -E713-	⇒ <a href="#">"1.4.4 Rear right door", page 25</a>	
Front passenger side window regulator button -E716-	⇒ <a href="#">"1.4.2 Front passenger door", page 23</a>	
Rear left seat heating switch -E77-	⇒ <a href="#">"1.2.3 Rear centre console", page 18</a>	
Rear right seat heating switch -E78-	⇒ <a href="#">"1.2.3 Rear centre console", page 18</a>	

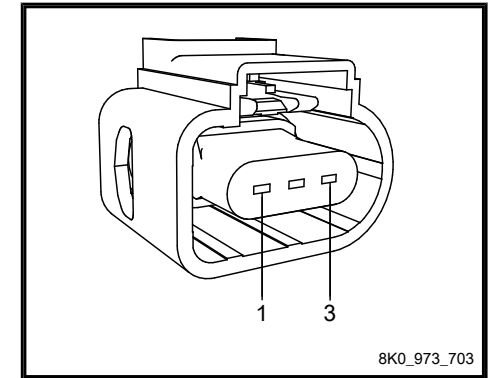
## 1 Connector views: parts with prefix E

- ◆ ⇒ [s1.1 eat lumbar support adjustment switchE176", page 2](#)
- ◆ ⇒ [o1.2 perated switch to deactivate airbag on front passenger sideE224", page 2](#)
- ◆ ⇒ [l1.3 id remote release buttonE233", page 3](#)
- ◆ ⇒ [s1.4 ide belt switchE24", page 3](#)
- ◆ ⇒ [p1.5 assenger side belt switchE25", page 4](#)
- ◆ ⇒ [s1.6 ide interior locking button for central locking systemE308", page 4](#)
- ◆ ⇒ [l1.7 everE313", page 5](#)
- ◆ ⇒ [b1.8 uttonE378", page 5](#)
- ◆ ⇒ [u1.9 nit for preparation for mobile telephoneE508", page 6](#)
- ◆ ⇒ [u1.10 nit for window regulator in driver doorE512", page 6](#)
- ◆ ⇒ [d1.11 river side window regulator buttonE711", page 7](#)
- ◆ ⇒ [p1.12 assenger side window regulator buttonE713", page 7](#)
- ◆ ⇒ [p1.13 assenger side window regulator buttonE716", page 8](#)
- ◆ ⇒ [l1.14 eft seat heating switchE77", page 8](#)
- ◆ ⇒ [r1.15 ight seat heating switchE78", page 9](#)
- ◆ ⇒ [l1.16 ight switchEX1", page 9](#)
- ◆ ⇒ [m1.17 irror adjusterEX11", page 10](#)
- ◆ ⇒ [b1.18 rake buttonEX12", page 10](#)
- ◆ ⇒ [f1.19 lap releaseEX13", page 11](#)
- ◆ ⇒ [a1.20 nd air conditioning controlsEX21", page 11](#)
- ◆ ⇒ [m1.21 odule 1 in centre consoleEX23", page 13](#)
- ◆ ⇒ [w1.22 arning light switchEX3", page 13](#)
- ◆ ⇒ [m1.23 odule 2 in centre consoleEX30", page 14](#)
- ◆ ⇒ [u1.24 nit for front left seat adjustmentEX33", page 14](#)
- ◆ ⇒ [l1.25 id handleEX37", page 16](#)



**1.22.1 Connector -T3c-**

Connector -T3c-

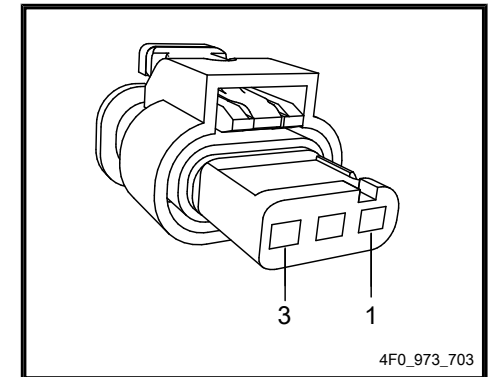


**1.23 Engine speed sender -G28-**

◆ ⇒ ["1.23.1 Connector T3bm", page 14](#)

**1.23.1 Connector -T3bm-**

Connector -T3bm-



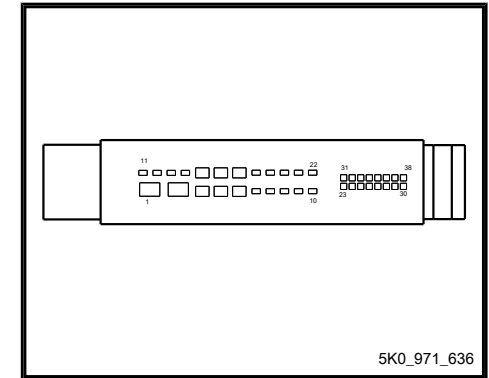
**1.24 Front airbag crash sensor for driver side -G283-**

◆ ⇒ ["1.24.1 Connector T2kw", page 15](#)



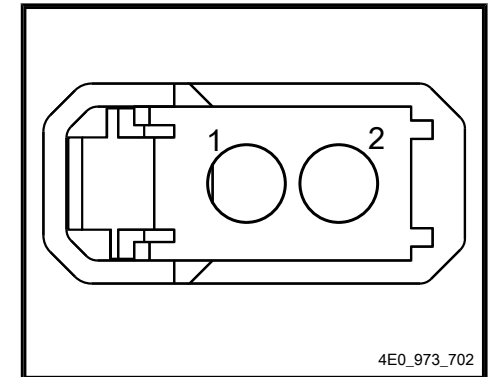
**1.17.1 Connector -T38a-**

Connector -T38a-



**1.17.2 Connector -T2ej-**

Connector -T2ej-



**1.18 Steering column electronics control unit -J527-**

- ◆ ⇒ ["1.18.1 Connector T16c", page 15](#)
- ◆ ⇒ ["1.18.2 Connector T14a", page 15](#)

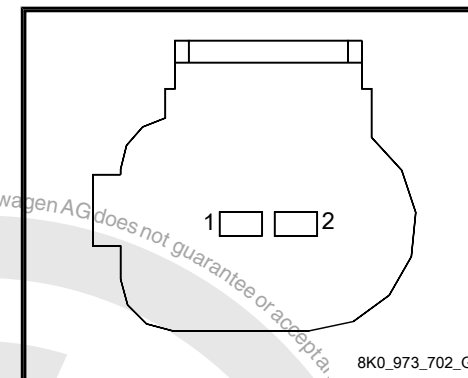
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erWin



### 1.1.1 Connector -T2by-

Connector -T2by-

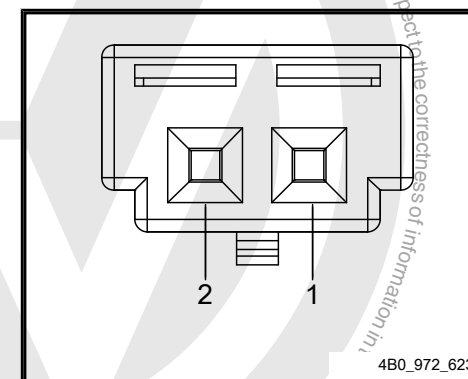


### 1.2 Interior aerial 1 for entry and start system -R138-

◆ ⇒ ["1.2.1 Connector T2bq", page 2](#)

#### 1.2.1 Connector -T2bq-

Connector -T2bq-

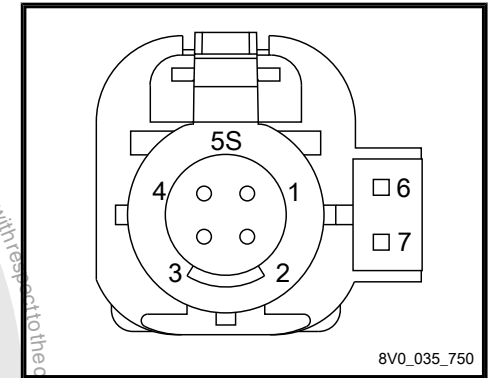


### 1.3 Interior aerial 2 for entry and start system -R139-

◆ ⇒ ["1.3.1 Connector T2bj", page 3](#)

1.18.1 Connector -T7b-

Connector -T7b-



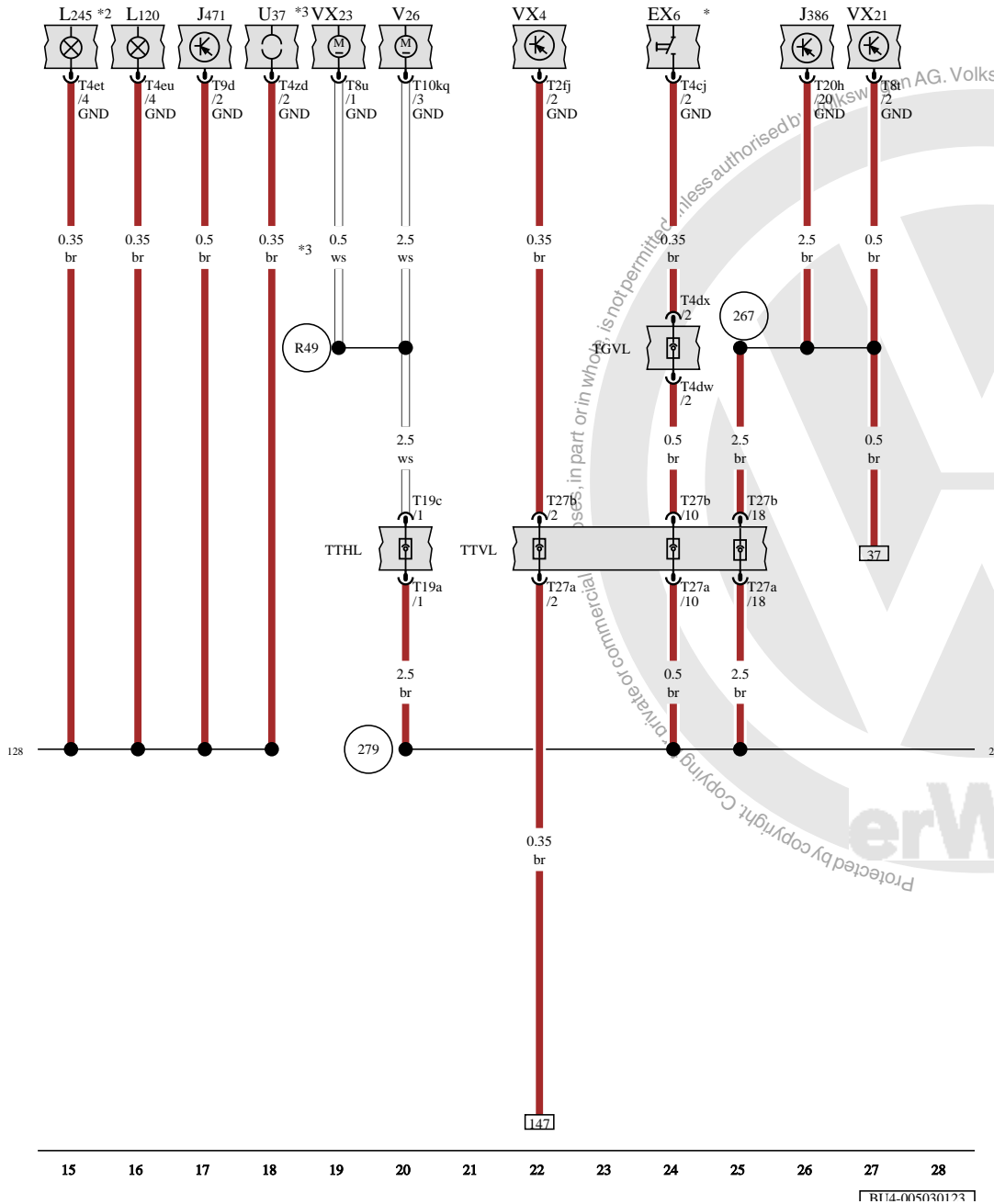
- ◆ Terminal 53b - Wipers (shunt winding)
- ◆ Terminal 53c - Electric pump for windscreen washer
- ◆ Terminal 53e - Wipers (brake winding)
- ◆ Terminal 53l - Wiper motor with permanent magnet and third brush (high speed)

**Lighting**

- ◆ Terminal 55 - Fog lights
- ◆ Terminal 56 - Headlights
- ◆ Terminal 56a - Main beam and main beam warning lamp
- ◆ Terminal 56b - Dipped beam
- ◆ Terminal 56d - Headlight flasher
- ◆ Terminal 57a - Parking light
- ◆ Terminal 57L - Left parking light
- ◆ Terminal 57R - Right parking light
- ◆ Terminal 58 - Side lights, number plate lights, instrument lighting, tail lights
- ◆ Terminal 58b - Brightness control
- ◆ Terminal 58d - Brightness control
- ◆ Terminal 58L - Left number plate light
- ◆ Terminal 58R - Right number plate light

**Alternators and voltage regulators**

- ◆ Terminal 61 - Alternator charging light
- ◆ Terminal B+ - Battery positive
- ◆ Terminal B- - Battery negative
- ◆ Terminal D+ - Dynamo positive
- ◆ Terminal D- - Dynamo negative
- ◆ Terminal DF - Dynamo field winding, terminal DF1 dynamo field winding 1
- ◆ Terminal DF2 - Dynamo field winding 2



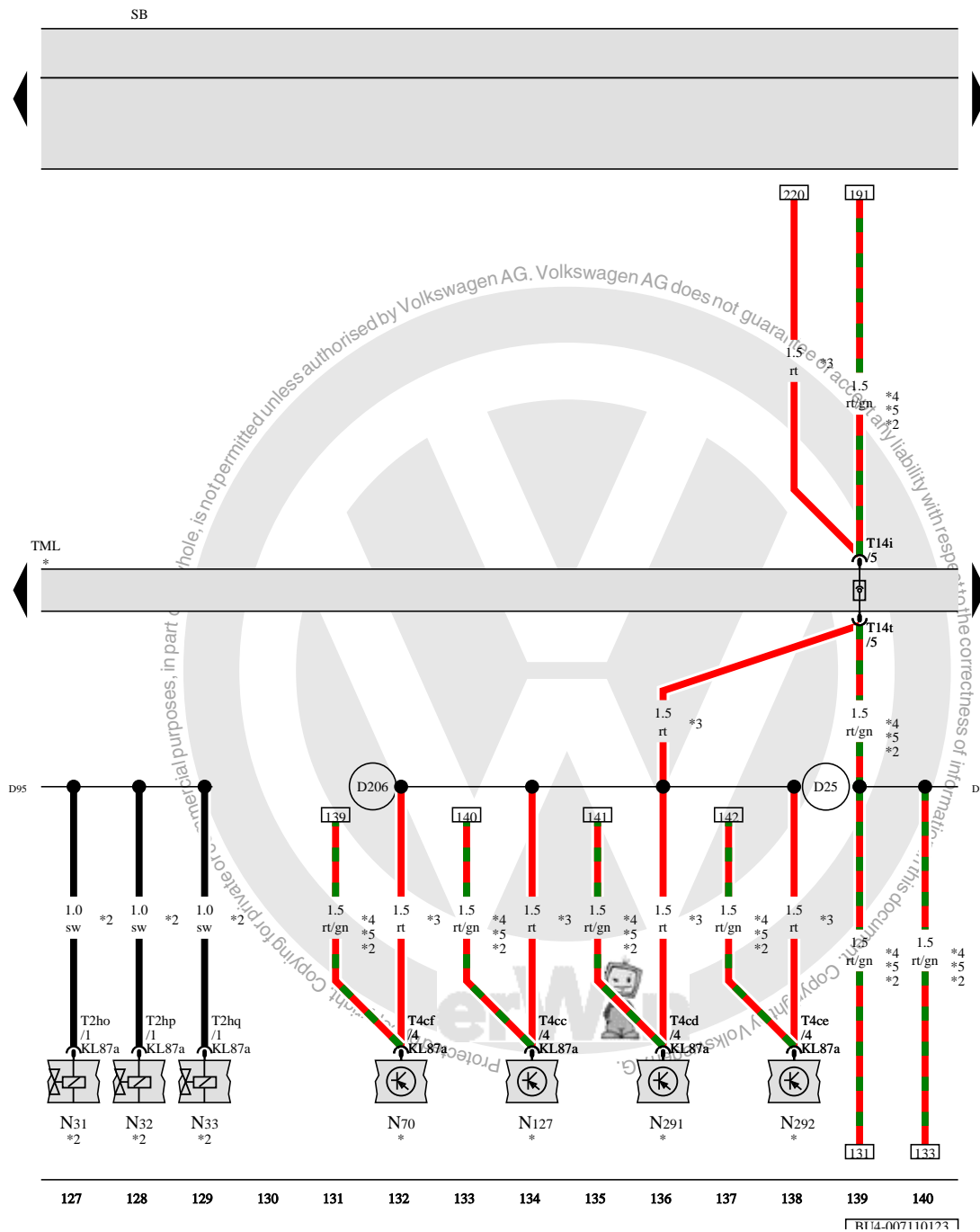
Driver exterior door handle, Driver door control unit, Remote starting system relay, Storage compartment illumination bulb, Light 3 for dash panel contour lighting, USB charging socket 1, Driver side exterior mirror, Driver door lock unit, Rear left door lock unit, Rear left window regulator motor

- EX6 Driver exterior door handle
- J386 Driver door control unit
- J471 Remote starting system relay
- L120 Storage compartment illumination bulb
- L245 Light 3 for dash panel contour lighting
- T2fj 2-pin connector, black
- T4cj 4-pin connector, black
- T4dw 4-pin connector, black
- T4dx 4-pin connector, black
- T4et 4-pin connector, black
- T4eu 4-pin connector, black
- T4zd 4-pin connector, brown
- T8t 8-pin connector, black
- T8u 8-pin connector, black
- T9d 9-pin connector, grey
- T10kq 10-pin connector, black
- T19a 19-pin connector, black
- T19c 19-pin connector, black
- T20h 20-pin connector, white
- T27a 27-pin connector, black
- T27b 27-pin connector, black
- TGVL Coupling point on front left exterior door handle
- TTHL Coupling point for rear left door
- TTVL Coupling point for front left door
- U37 USB charging socket 1
- VX4 Driver side exterior mirror
- VX21 Driver door lock unit
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor

- (128) Earth connection 1, in interior light wiring harness
- (267) Earth connection 2, in driver side door wiring harness
- (279) Earth connection 5, in interior wiring harness
- (R49) Connection (87a), in rear left door 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

- \* Pre-wired component
- \*2 For models with background lighting
- \*3 For models with USB charging socket



Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Fuse holder B

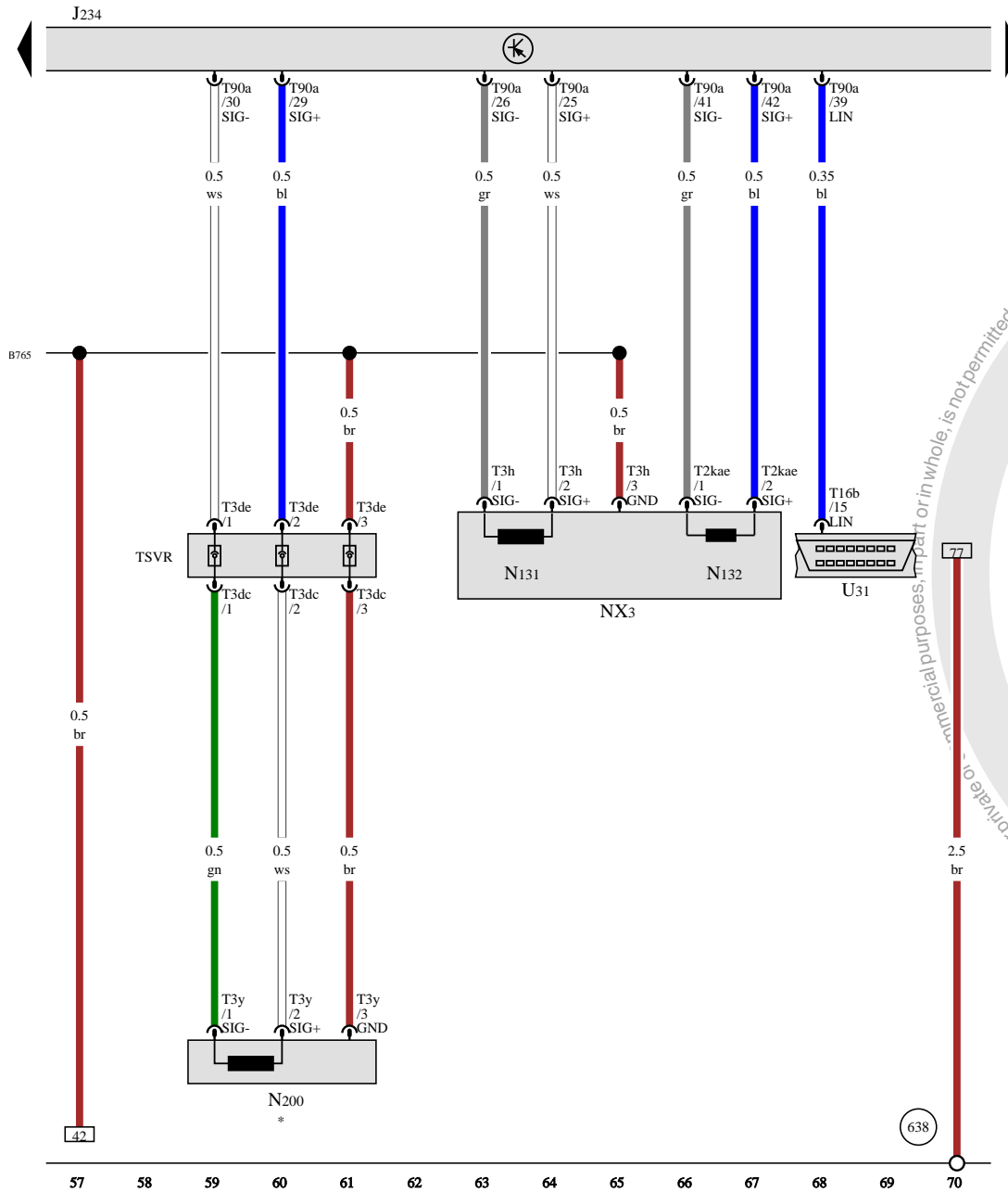
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- SB Fuse holder B
- T2ho 2-pin connector, black
- T2hp 2-pin connector, black
- T2hq 2-pin connector, black
- T4cc 4-pin connector, black
- T4cd 4-pin connector, black
- T4ce 4-pin connector, black
- T4cf 4-pin connector, black
- T14i 14-pin connector, grey
- T14t 14-pin connector, grey
- TML Coupling point in engine compartment, left

- (D25) Positive connection (15), in engine prewiring harness
- (D95) Connection (injectors), in engine compartment wiring harness
- (D206) Connection 4 (87a) in engine prewiring harness

- \* see applicable current flow diagram for engine
- \*2 For models with 1.6l engine
- \*3 For models with 2.0l petrol engine
- \*4 For models with 1.4l engine
- \*5 For models with 1.5l 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

**Airbag control unit, Front passenger airbag unit, Side airbag igniter on front passenger side, Diagnostic connection**



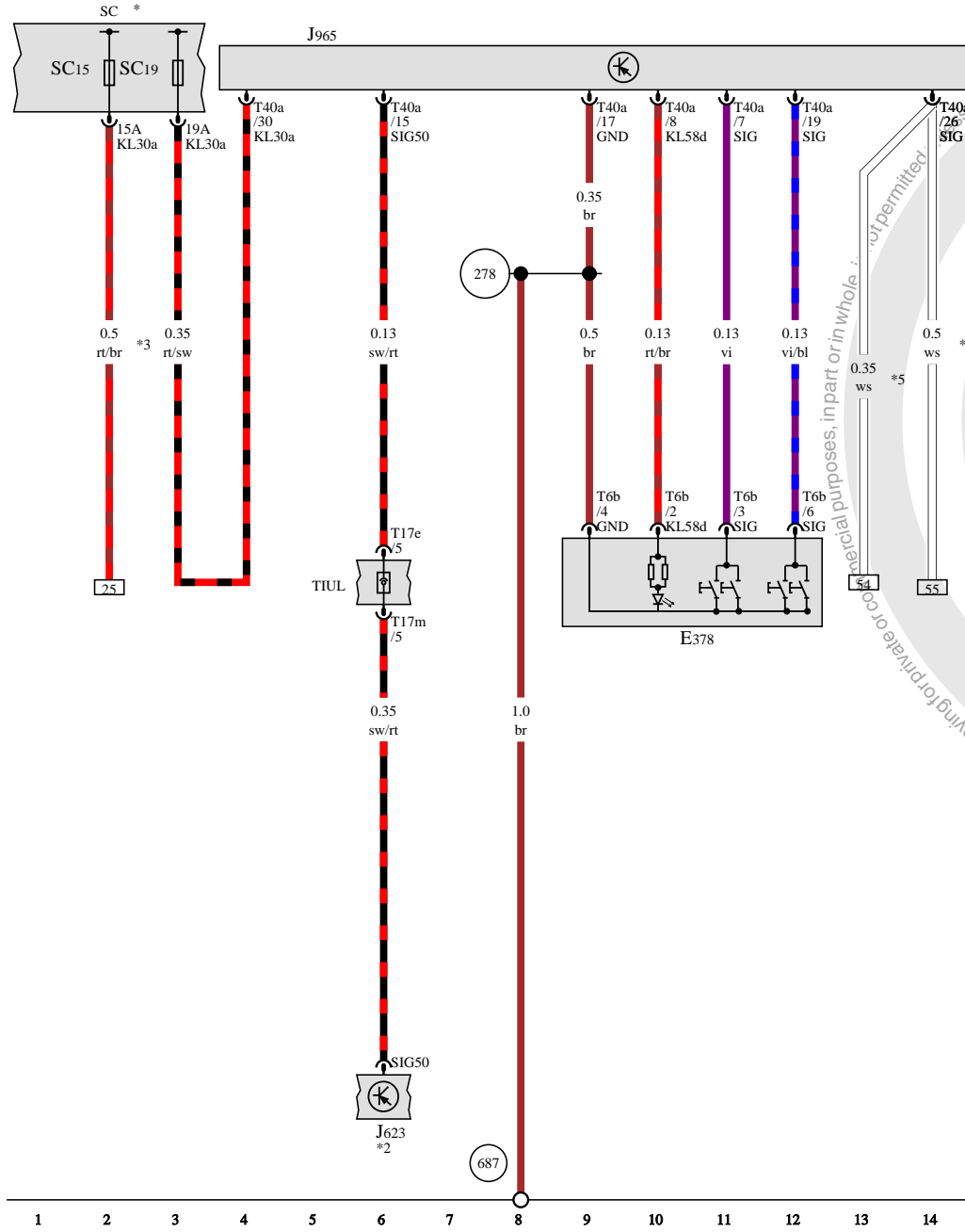
- J234 Airbag control unit
- NX3 Front passenger airbag unit
- N131 Airbag igniter 1 on front passenger side
- N132 Airbag igniter 2 on front passenger side
- N200 Side airbag igniter on front passenger side
- T2kae 2-pin connector, yellow
- T3dc 3-pin connector, yellow
- T3de 3-pin connector, yellow
- T3h 3-pin connector, yellow
- T3y 3-pin connector, yellow
- T16b 16-pin connector, black
- T90a 90-pin connector, yellow
- TSVR Coupling point for front right seat
- U31 Diagnostic connection

- 638 Earth point, on right A-pillar
- B765 Connection 4 (airbag), 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

RT14-012060777

Starter button, Engine/motor control unit, Interface for entry and start system, Fuse holder C



- E378 Starter button
- J623 Engine/motor control unit
- J965 Interface for entry and start system
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- T6b 6-pin connector, black
- T17e 17-pin connector, blue
- T17m 17-pin connector, blue
- T40a 40-pin connector, black
- TIUL Coupling point in interior, below left

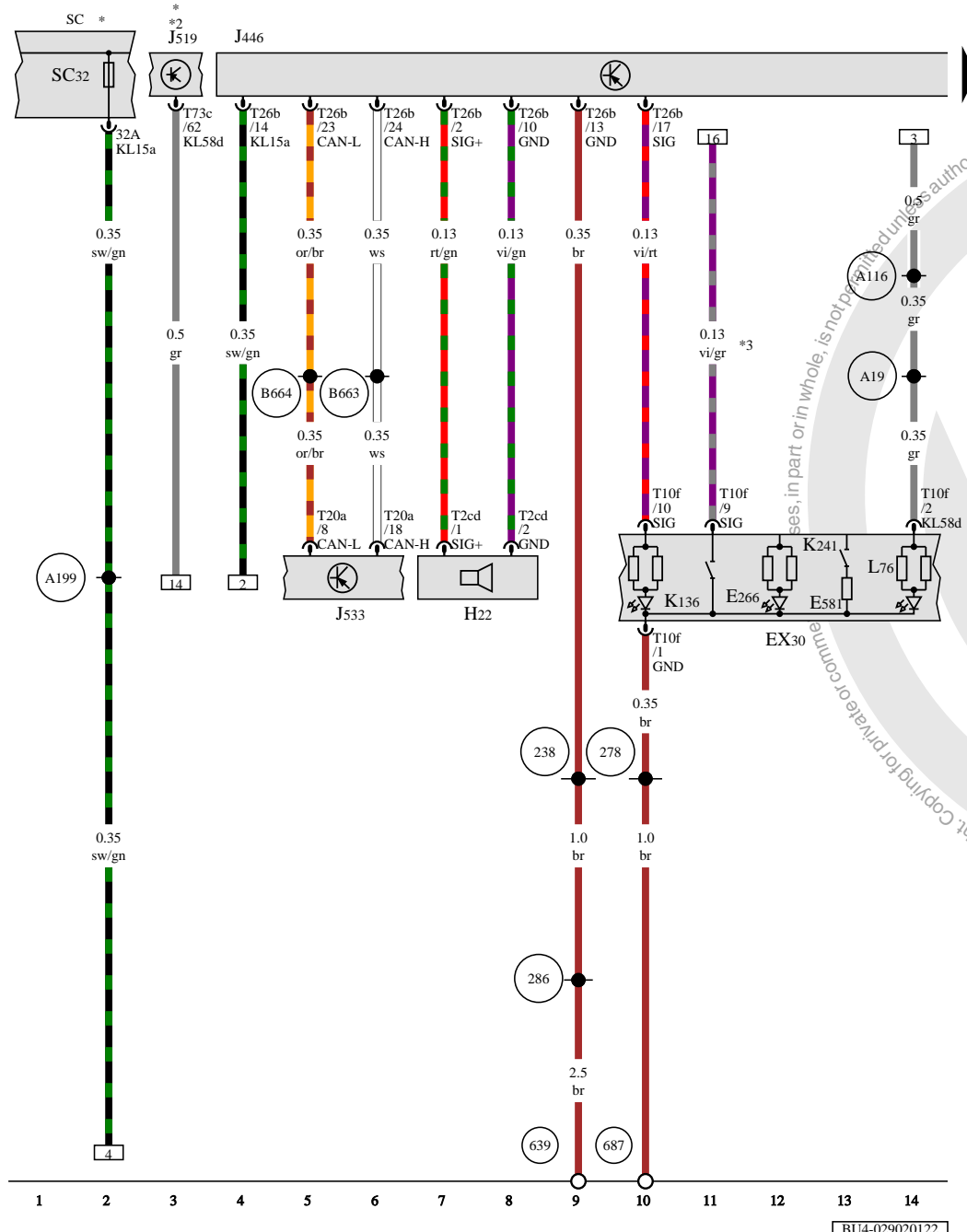
278 Earth connection 4, in interior wiring harness

687 Earth point 1, on centre tunnel

- \* see applicable current flow diagram for fuses in interior
- \*2 see applicable current flow diagram for engine
- \*3 For models with electronic steering column adjustment
- \*4 Up to July 2022
- \*5 From July 2022

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

1R114-0210207???



Switch module 2 in centre console, Front parking aid warning buzzer, Parking aid control unit, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C

- EX30 Switch module 2 in centre console
- E266 Parking aid button
- E581 Park assist steering button
- H22 Front parking aid warning buzzer
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K136 Parking aid warning lamp
- K241 Warning lamp for park assist steering
- L76 Button illumination bulb
- SC Fuse holder C
- SC32 Fuse 32 on fuse holder C
- T2cd 2-pin connector, black
- T10f 10-pin connector, black
- T20a 20-pin connector, black
- T26b 26-pin connector, black
- T73c 73-pin connector, black

- 238 Earth connection 1, in interior wiring harness
- 278 Earth connection 4, in interior wiring harness
- 286 Earth connection 8, in interior wiring harness
- 639 Earth point, on left A-pillar
- 687 Earth point 1, on centre tunnel
- A19 Connection (58d), in dash panel wiring harness
- A116 Connection 2 (58d), in dash panel 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

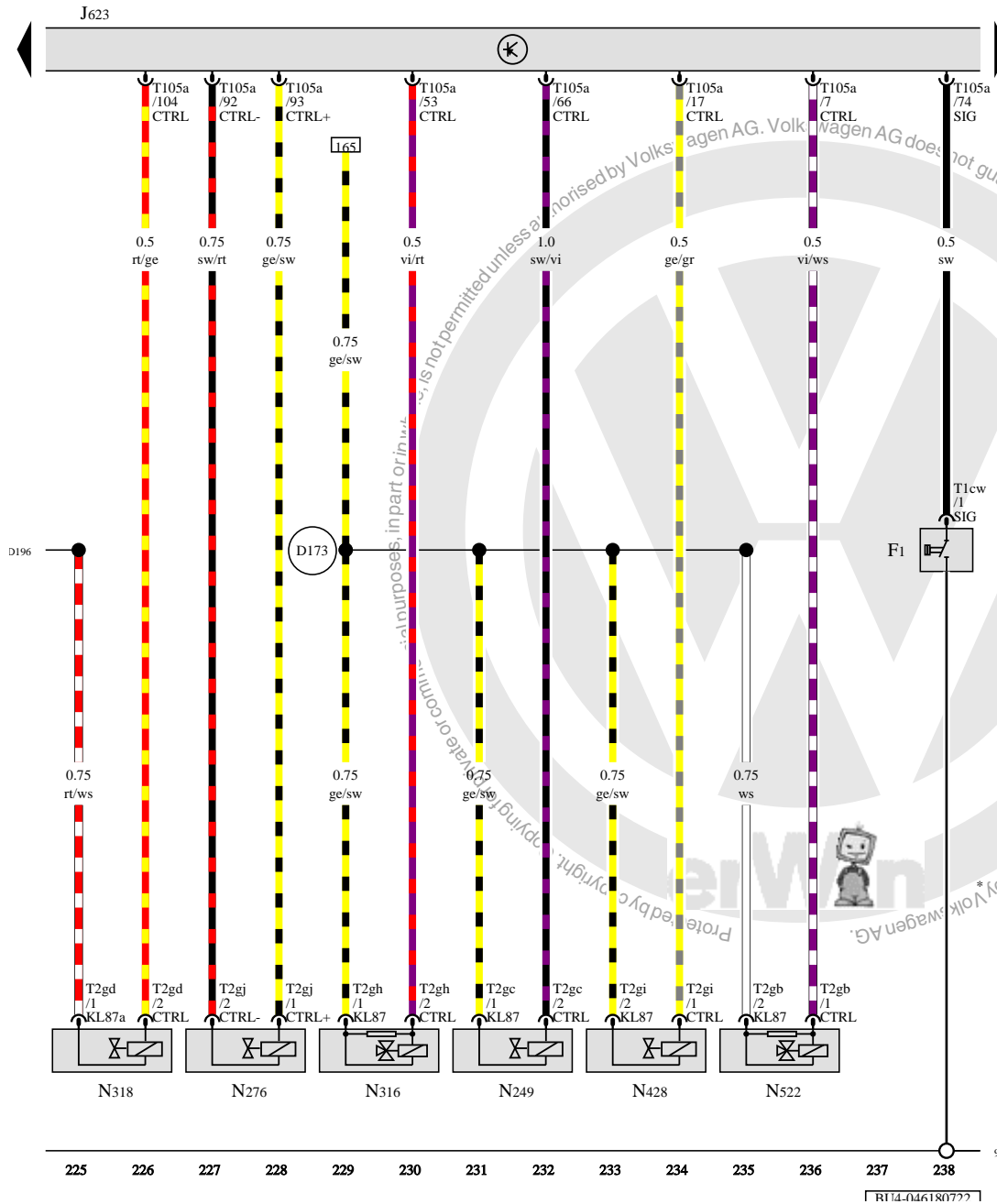
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B663 Connection (running gear sensors CAN bus, high), in main wiring harness
- B664 Connection (running gear sensors CAN bus, low), in main wiring harness
- \* see applicable current flow diagram for fuses in interior
- \*2 see applicable current flow diagram for earthing concept in interior
- \*3 For models with MIB3 radio

RT14-0290701???

# Headlights , (8IT),(8IY)

From January 2022





Oil pressure switch, Engine/motor control unit, Turbocharger air recirculation valve, Fuel pressure regulating valve, Intake manifold flap valve, Exhaust camshaft control valve 1, Valve for oil pressure control, Piston cooling jet control valve

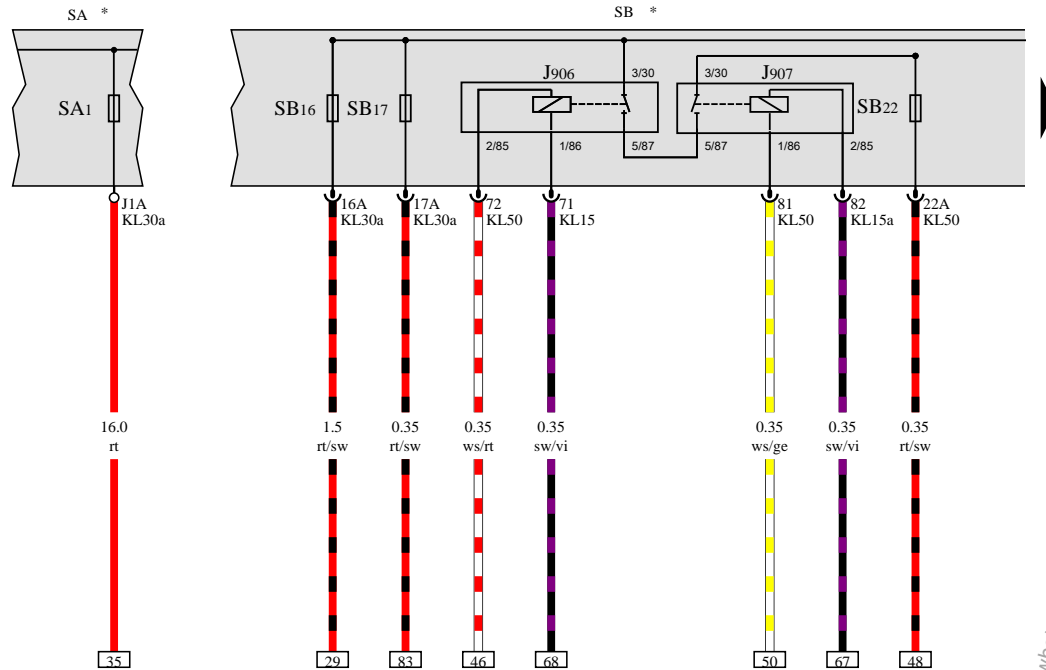
- F1 Oil pressure switch
- J623 Engine/motor control unit
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T1cw 1-pin connector, blue
- T2gb 2-pin connector, black
- T2gc 2-pin connector, black
- T2gd 2-pin connector, black
- T2gh 2-pin connector, black
- T2gi 2-pin connector, black
- T2gj 2-pin connector, black
- T105a 105-pin connector, black

(D173) Connection (87), in engine prewiring harness

(D196) Connection 2 (87a) in engine prewiring harness

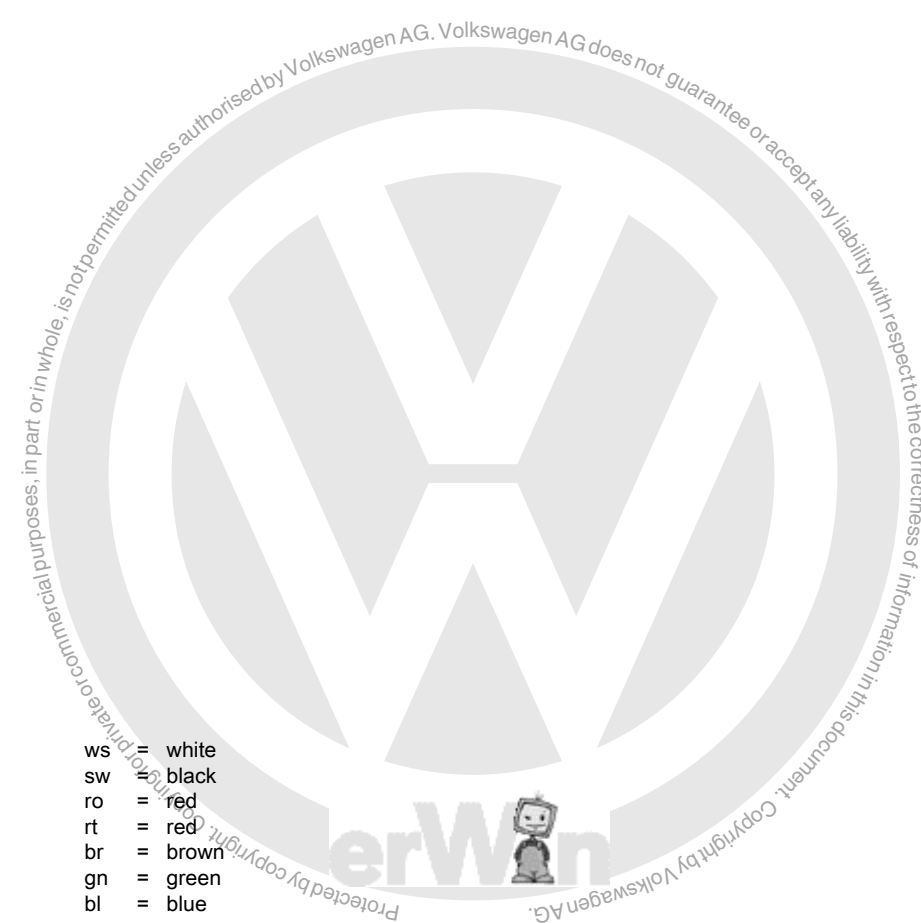
\* Earth supply via housing

- 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



Fuse holder A, Fuse holder B

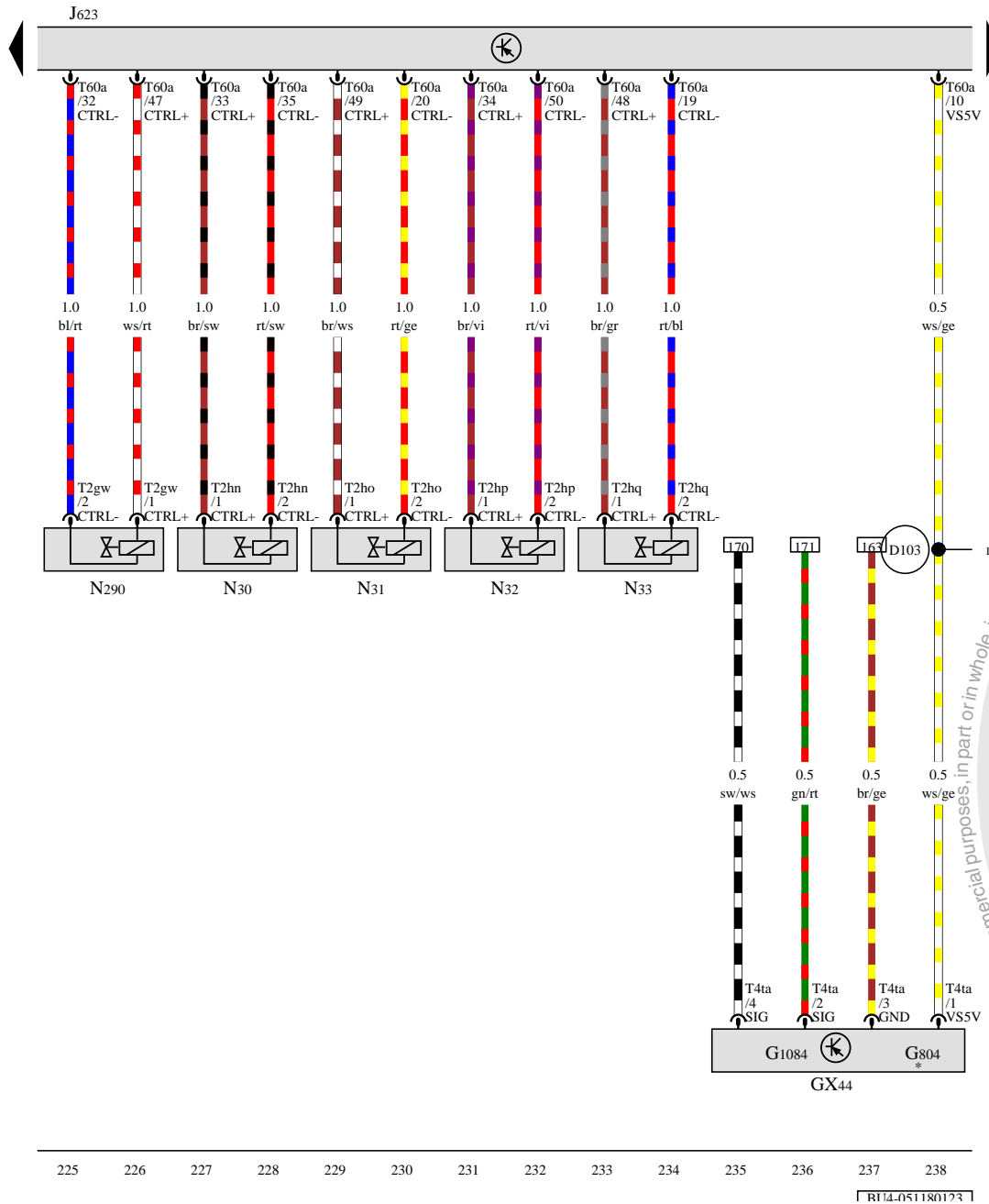
- J906 Starter relay 1
- J907 Starter relay 2
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- \* see applicable current flow diagram for fuses in engine compartment



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

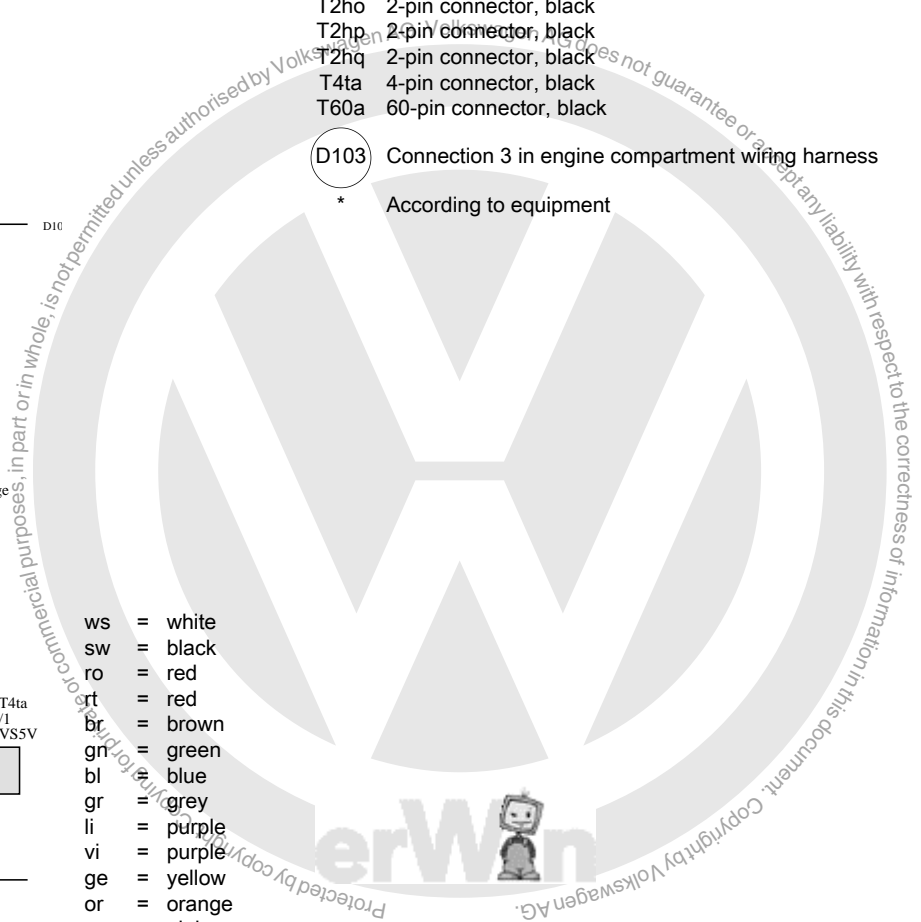
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 R114-0500707???

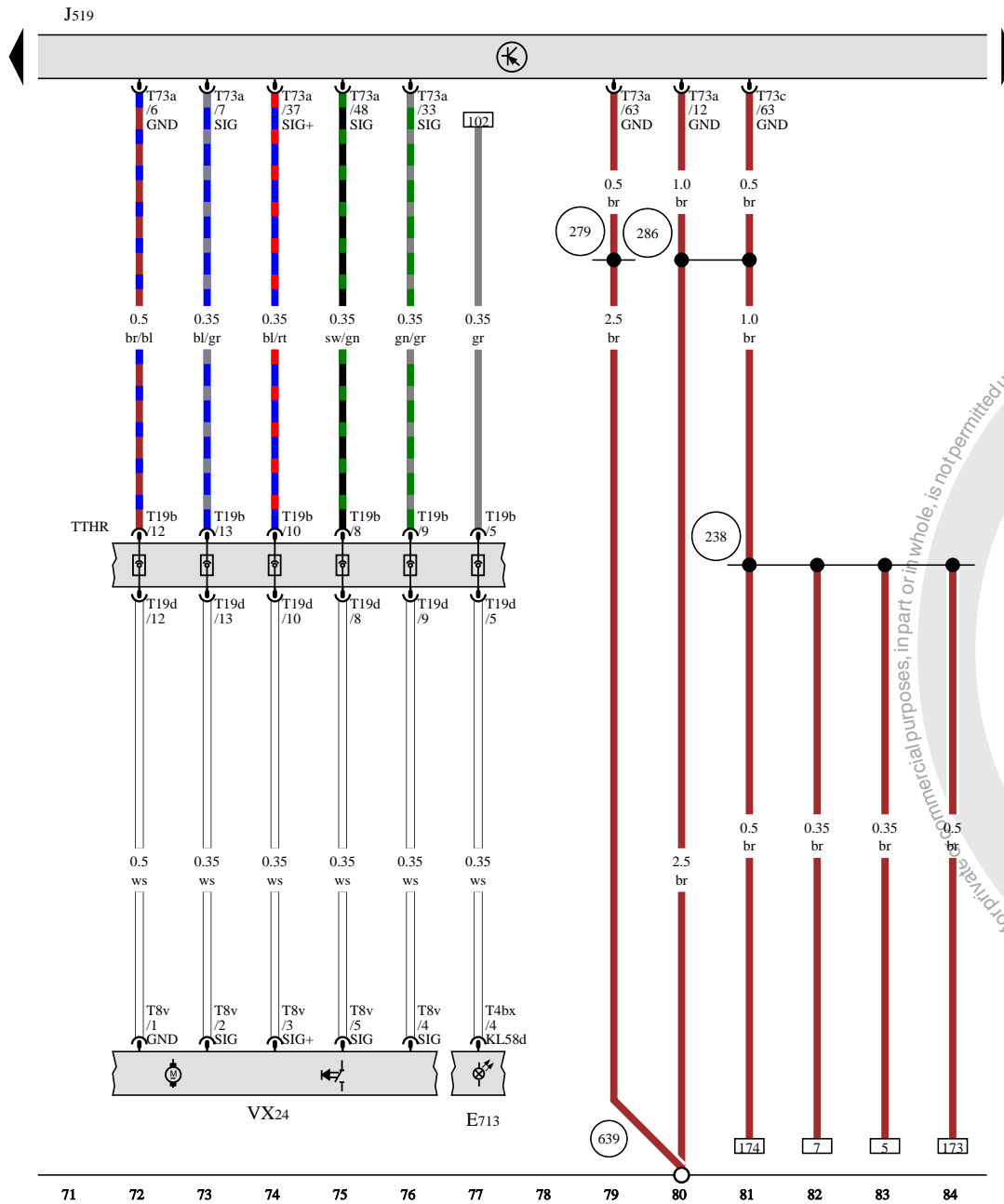


Pressure sensor for activated charcoal filter air flushing, Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel metering valve

- GX44 Pressure sensor for activated charcoal filter air flushing
- G804 Pressure sensor for activated charcoal filter system
- G1084 Temperature sensor for activated charcoal filter air flushing
- 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
- T2gw 2-pin connector, black
- T2hn 2-pin connector, black
- T2ho 2-pin connector, black
- T2hp 2-pin connector, black
- T2hq 2-pin connector, black
- T4ta 4-pin connector, black
- T60a 60-pin connector, black
- D103 Connection 3 in engine compartment wiring harness
- \* According to equipment



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



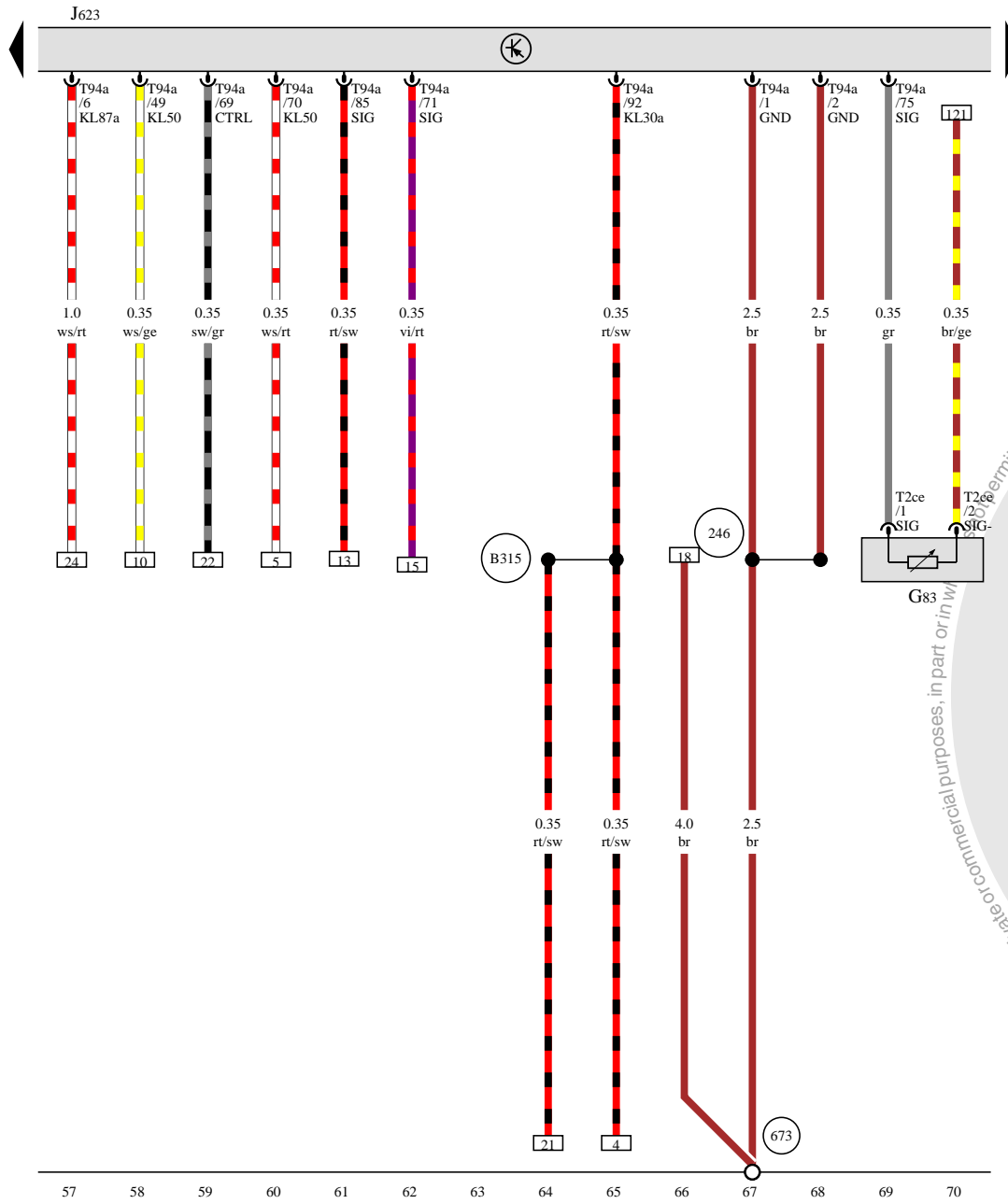
- E713 Rear passenger side window regulator button
- J519 Onboard supply control unit
- T4bx 4-pin connector, black
- T8v 8-pin connector, black
- T19b 19-pin connector, black
- T19d 19-pin connector, black
- T73a 73-pin connector, black
- T73c 73-pin connector, black
- TTHR Coupling point for rear right door
- VX24 Rear right door lock unit

- (238) Earth connection 1, in interior wiring harness
- (279) Earth connection 5, in interior wiring harness
- (286) Earth connection 8, in interior wiring harness
- (639) Earth point, on left A-pillar

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

[R114-059070777]

Radiator outlet coolant temperature sender, Engine/motor control unit



- G83 Radiator outlet coolant temperature sender
- J623 Engine/motor control unit
- T2ce 2-pin connector, black
- T94a 94-pin connector, black
- 246 Earth connection (control unit), in engine wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B315 Positive connection 1 (30a) 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

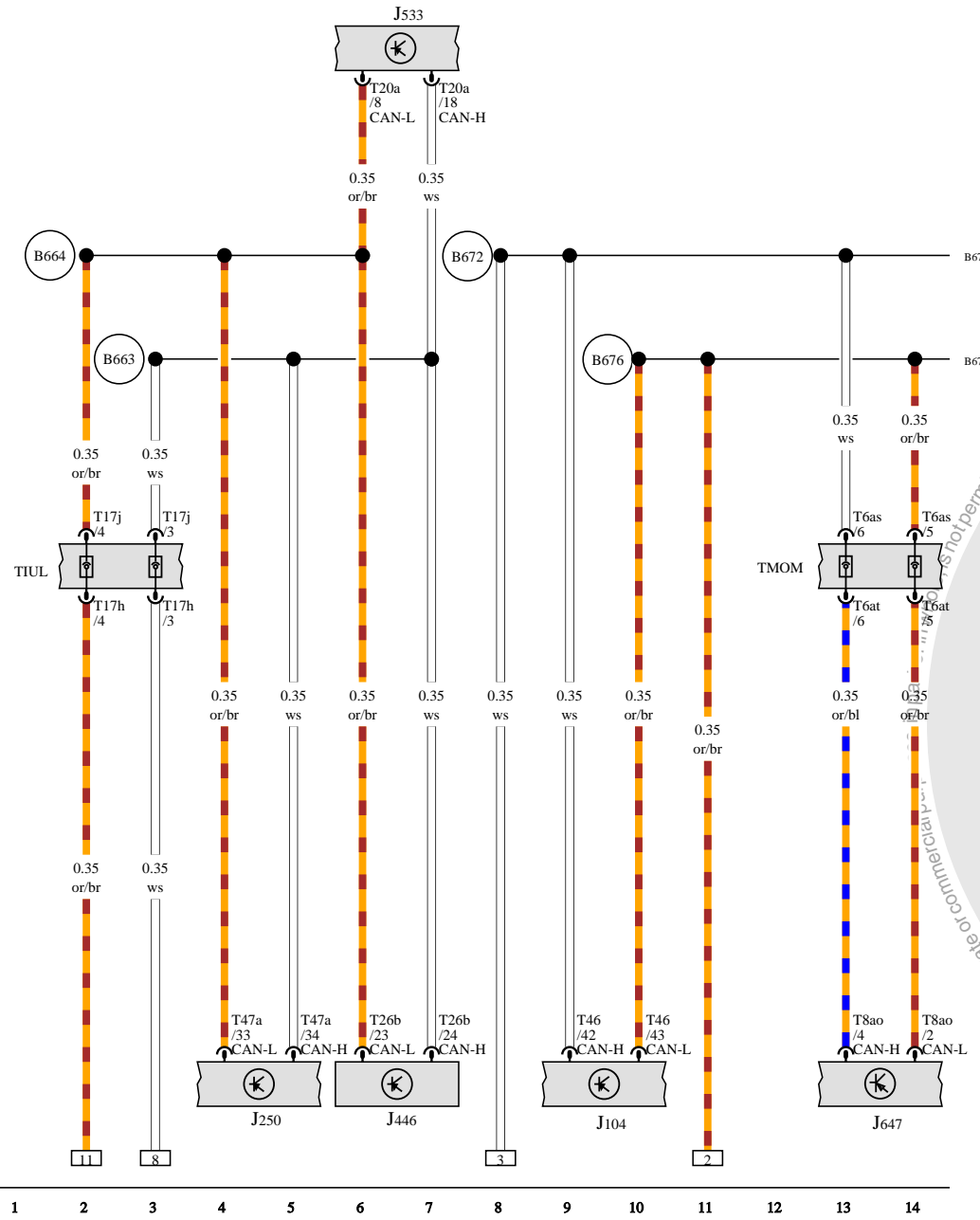
RT14-066060123

ABS control unit, Electronically controlled damping control unit, Parking aid control unit, Data bus diagnostic interface, Axle differential lock control unit

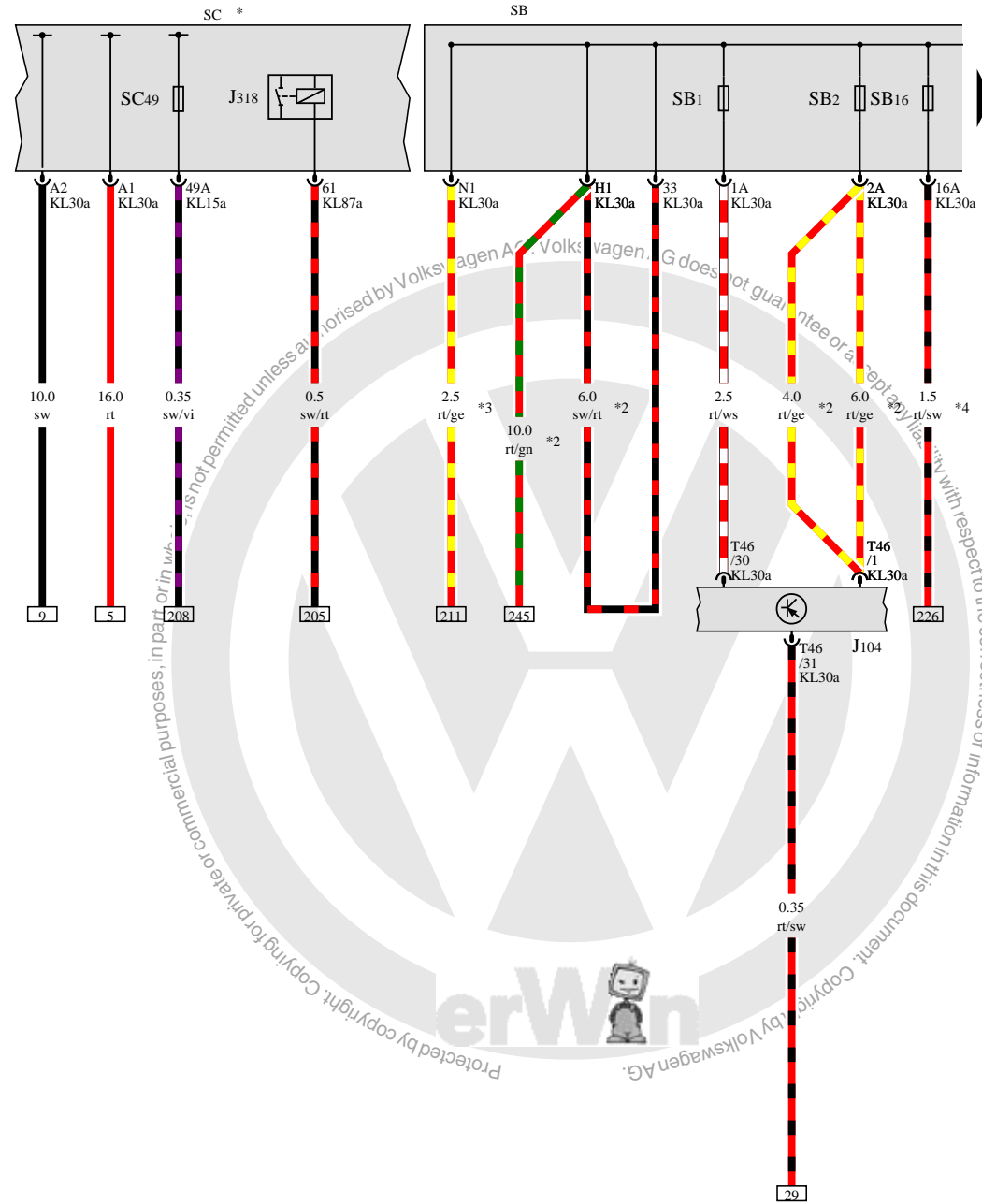
- J104 ABS control unit
- J250 Electronically controlled damping control unit
- J446 Parking aid control unit
- J533 Data bus diagnostic interface
- J647 Axle differential lock control unit
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T8ao 8-pin connector, black
- T17h 17-pin connector, brown
- T17j 17-pin connector, brown
- T20a 20-pin connector, black
- T26b 26-pin connector, black
- T46 46-pin connector, black
- T47a 47-pin connector, black
- TIUL Coupling point in interior, below left
- TMOM Coupling point on engine, top centre

- (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

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



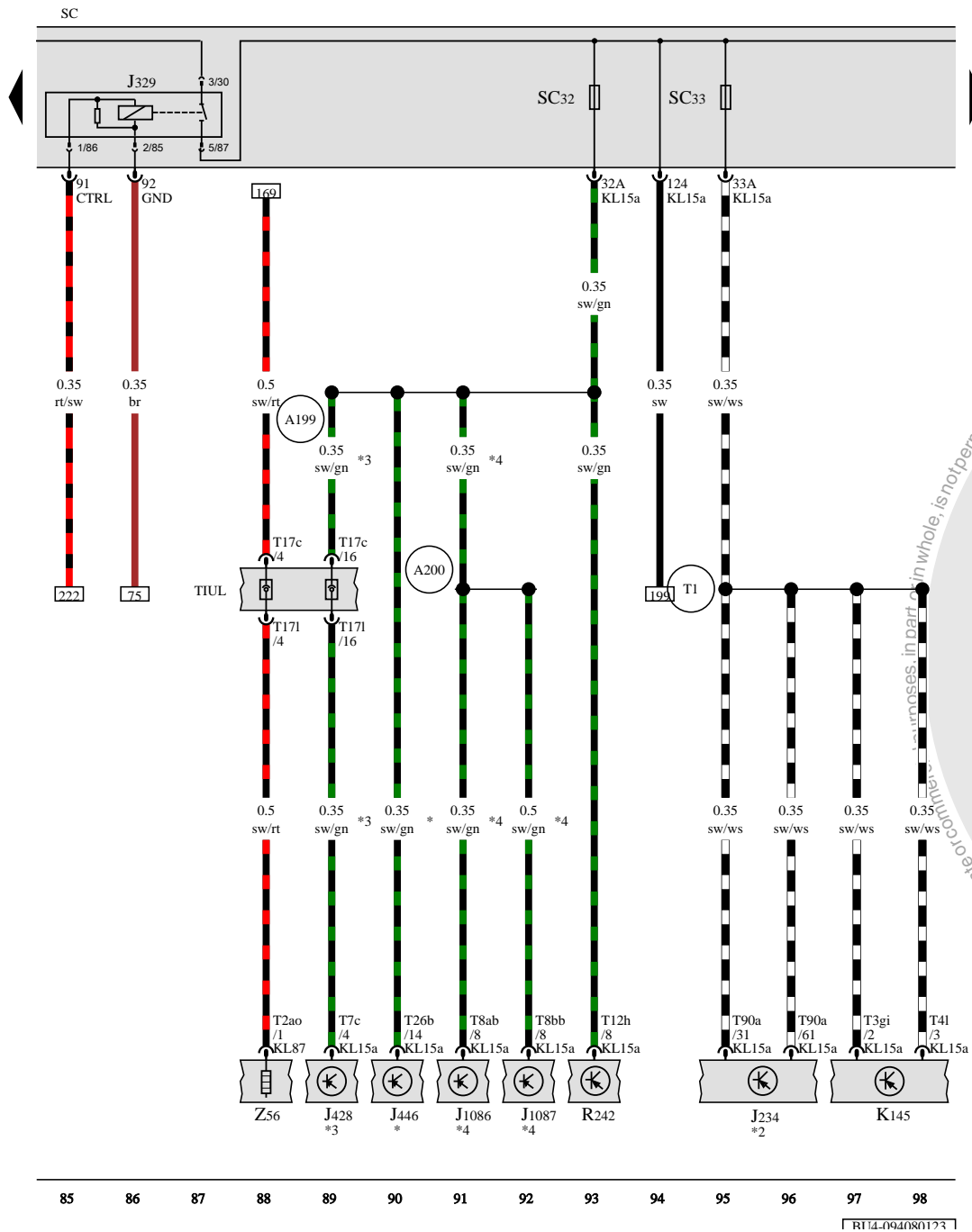
1R114-0760701???



ABS control unit, Fuse holder B, Fuse holder C

- J104 ABS control unit
- J318 Vacuum pump relay
- 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
- SC Fuse holder C
- SC49 Fuse 49 on fuse holder C
- T46 46-pin connector, black
- \* see applicable current flow diagram for fuses in interior
- \*2 According to equipment
- \*3 For models with dual clutch gearbox
- \*4 For models with 2.0l 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



Airbag control unit, Adaptive cruise control unit, Parking aid control unit, Blind Spot Monitor control unit, Blind Spot Monitor control unit 2, Warning lamp for airbag deactivated on front passenger side, Front camera for driver assist systems, Fuse holder C, Heater for parked wiper

- J234 Airbag control unit
- J329 Terminal 15 voltage supply relay
- J428 Adaptive cruise control unit
- J446 Parking aid control unit
- J1086 Blind Spot Monitor control unit
- J1087 Blind Spot Monitor control unit 2
- K145 Warning lamp for airbag deactivated on front passenger side
- 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
- T2ao 2-pin connector, black
- T3gi 3-pin connector, black
- T41 4-pin connector, black
- T7c 7-pin connector, black
- T8ab 8-pin connector, black
- T8bb 8-pin connector, black
- T12h 12-pin connector, brown
- T17c 17-pin connector, red
- T171 17-pin connector, red
- T26b 26-pin connector, black
- T90a 90-pin connector, yellow
- TIUL Coupling point in interior, below left
- Z56 Heater for parked wiper

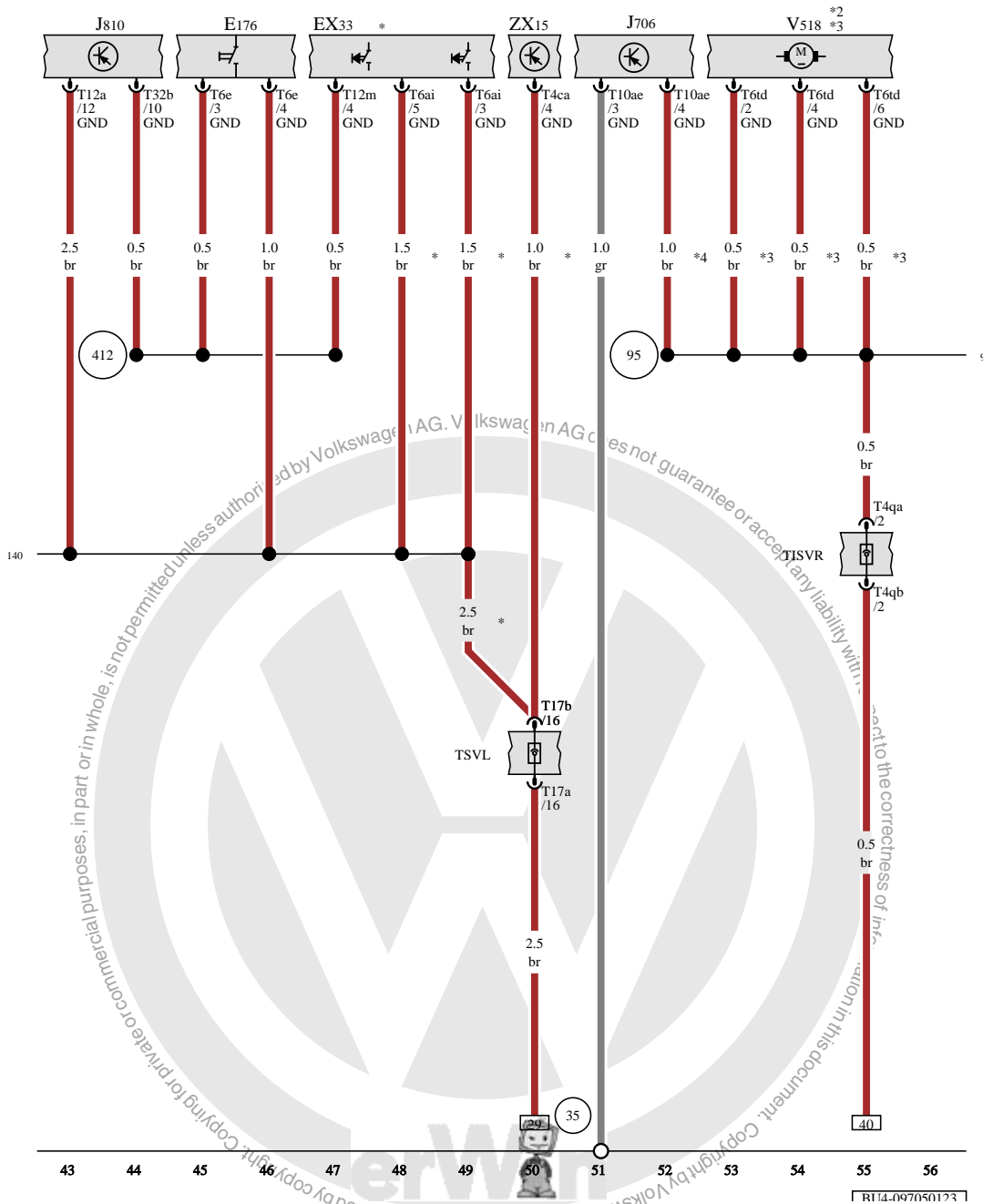
(A199) Positive connection 4 (15a) in dash panel wiring harness

(A200) Positive connection 5 (15a) in dash panel wiring harness

(T1) Positive connection 1, in airbag wiring harness

- \* For models with rear parking aid
- \*2 see applicable current flow diagram for airbag
- \*3 For models with adaptive cruise control unit
- \*4 For models with Blind Spot Monitor

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



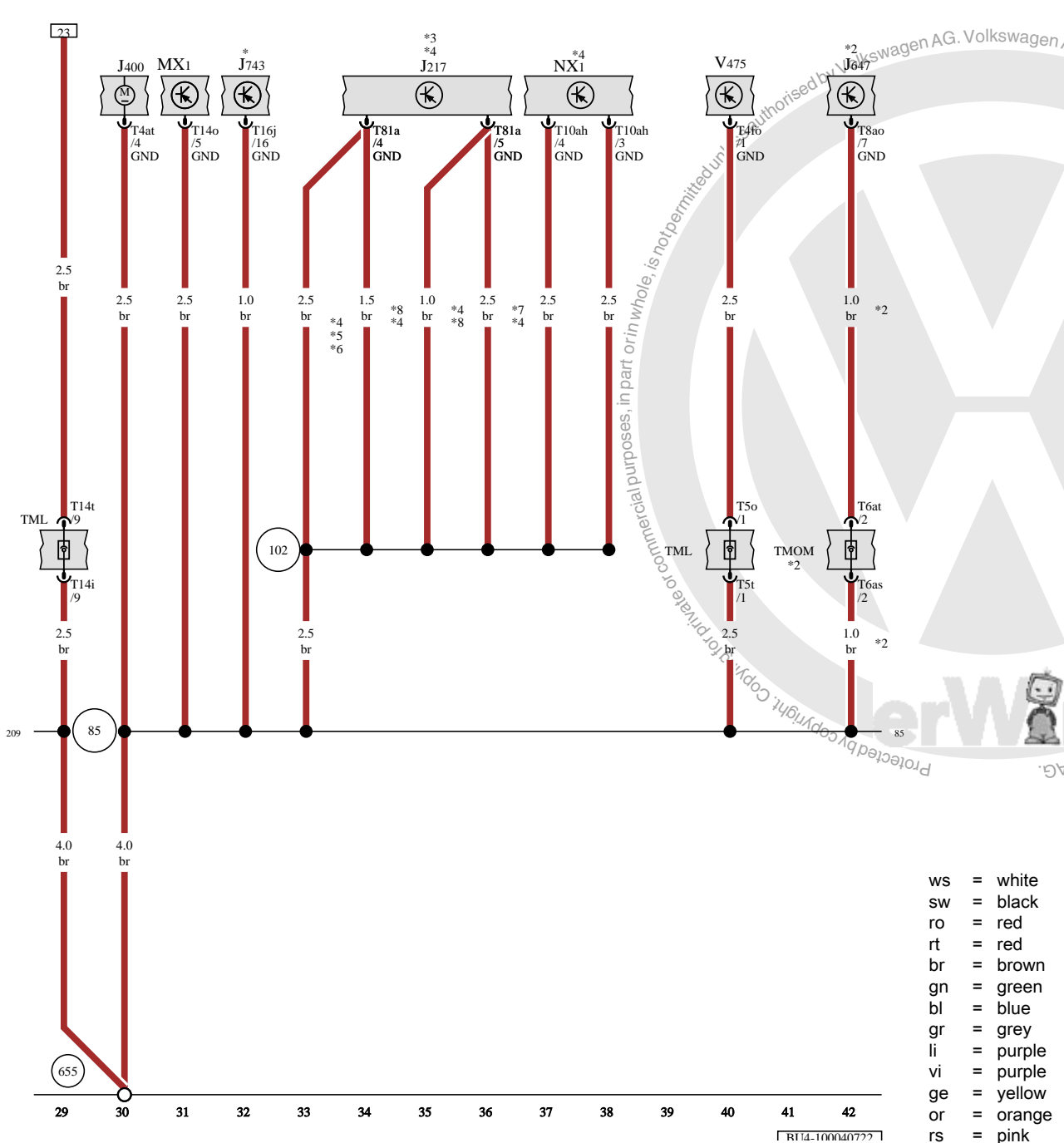
Operating unit for front left seat adjustment, Driver seat lumbar support adjustment switch, Seat occupied recognition control unit, Driver seat adjustment control unit, Front right seat cushion fan 1, Seat heating (driver side)

- EX33 Operating unit for front left seat adjustment
- E176 Driver seat lumbar support adjustment switch
- J706 Seat occupied recognition control unit
- J810 Driver seat adjustment control unit
- T4ca 4-pin connector, black
- T4qa 4-pin connector, black
- T4qb 4-pin connector, black
- T6ai 6-pin connector, black
- T6e 6-pin connector, black
- T6td 6-pin connector, black
- T10ae 10-pin connector, black
- T12a 12-pin connector, black
- T12m 12-pin connector, black
- T17a 17-pin connector, red
- T17b 17-pin connector, red
- T32b 32-pin connector, black
- TISVR Coupling point in front right seat
- TSVL Coupling point for front left seat
- V518 Front right seat cushion fan 1
- ZX15 Seat heating (driver side)

- 35 Earth point, under front passenger seat
- 95 Earth connection 1, in seat adjustment wiring harness
- 140 Earth connection 2, in seat adjustment wiring harness
- 412 Earth connection 3, in seat adjustment wiring harness

- \* According to equipment
- \*2 Pre-wired component
- \*3 For models with seat ventilation
- \*4 For models with US 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



Automatic gearbox control unit, Wiper motor control unit, Axle differential lock control unit, Mechatronic unit for dual clutch gearbox, Front left headlight, Gearbox, Auxiliary hydraulic pump 1 for gearbox oil

- J217 Automatic gearbox control unit
- J400 Wiper motor control unit
- J647 Axle differential lock control unit
- J743 Mechatronic unit for dual clutch gearbox
- MX1 Front left headlight
- NX1 Gearbox
- T4at 4-pin connector, black
- T4fo 4-pin connector, black
- T5o 5-pin connector, black
- T5t 5-pin connector, black
- T6as 6-pin connector, grey
- T6at 6-pin connector, grey
- T8ao 8-pin connector, black
- T10ah 10-pin connector, black
- T14i 14-pin connector, grey
- T14o 14-pin connector, black
- T14t 14-pin connector, grey
- T16j 16-pin connector, black
- T81a 81-pin connector, black
- TML Coupling point in engine compartment, left
- TMOM Coupling point on engine, top centre
- V475 Auxiliary hydraulic pump 1 for gearbox oil
- 85 Earth connection 1, in engine compartment wiring harness
- 102 Earth connection, in gearbox wiring harness
- 209 Earth connection 6, in engine compartment wiring harness
- 655 Earth point, on left headlight
- \* For models with dual clutch gearbox
- \*2 For models with front differential lock
- \*3 see applicable current flow diagram for automatic gearbox
- \*4 For models with automatic gearbox
- \*5 For models with 1.4l engine
- \*6 For models with 1.6l engine
- \*7 Cross section depends on equipment
- \*8 For models with 1.5l 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

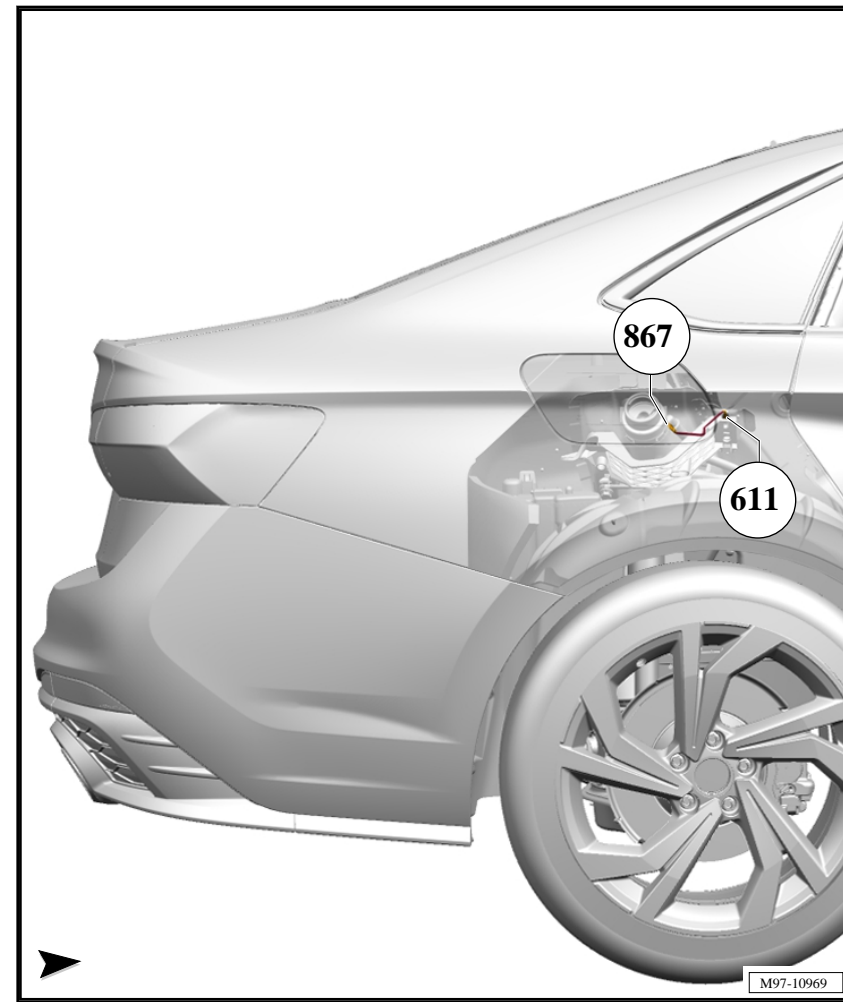
RT14-1000407???

611 - Earth connection, on fuel tank filler neck

- Torque 8 Nm

867 - Earth connection 2, on fuel tank filler neck

- Plugged connection



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Component	Chapter	Comment
Bonnet contact switch -F266-	⇒ <a href="#">v1.3 iew from right", page 13</a>	
Oil pressure switch for reduced oil pressure -F378-	⇒ <a href="#">p1.4.1 etrol engine, DSJA, from front", page 15</a>	
Oil pressure switch for reduced oil pressure -F378-	⇒ <a href="#">p1.7.4 etrol engine, DKFA, CXDB, DXSA, from right", page 31</a>	
Stage 3 oil pressure switch -F447-	⇒ <a href="#">p1.7.1 etrol engine, DKFA, CXDB, DXSA, from front", page 28</a>	According to equipment
Oil pressure sender -G10-	⇒ <a href="#">p1.5.1 etrol engine, DNKA, from front", page 20</a>	
Ambient temperature sensor -G17-	⇒ <a href="#">v1.1 iew from front", page 10</a>	
Engine speed sender -G28-	⇒ <a href="#">p1.4.1 etrol engine, DSJA, from front", page 15</a>	
Engine speed sender -G28-	⇒ <a href="#">p1.5.1 etrol engine, DNKA, from front", page 20</a>	
Engine speed sender -G28-	⇒ <a href="#">p1.6.3 etrol engine, CWVA, from left", page 25</a>	
Engine speed sender -G28-	⇒ <a href="#">p1.7.1 etrol engine, DKFA, CXDB, DXSA, from front", page 28</a>	
Charge pressure sender -G31-	⇒ <a href="#">v1.2 iew from left", page 12</a>	
Coolant shortage indicator sender -G32-	⇒ <a href="#">v1.2 iew from left", page 12</a>	
Windscreen washer fluid level sender -G33-	⇒ <a href="#">v1.2 iew from left", page 12</a>	
Front right brake pad wear sender -G35-	⇒ <a href="#">v1.3 iew from right", page 13</a>	
Hall sender -G40-	⇒ <a href="#">p1.4.2 etrol engine, DSJA, from above", page 17</a>	
Hall sender -G40-	⇒ <a href="#">p1.6.2 etrol engine, CWVA, from above", page 24</a>	
Hall sender -G40-	⇒ <a href="#">p1.7.1 etrol engine, DKFA, CXDB, DXSA, from front", page 28</a>	
Front right speed sensor -G45-	⇒ <a href="#">v1.3 iew from right", page 13</a>	
Front left speed sensor -G47-	⇒ <a href="#">v1.2 iew from left", page 12</a>	
Knock sensor 1 -G61-	⇒ <a href="#">p1.4.1 etrol engine, DSJA, from front", page 15</a>	
Knock sensor 1 -G61-	⇒ <a href="#">p1.5.1 etrol engine, DNKA, from front", page 20</a>	
Knock sensor 1 -G61-	⇒ <a href="#">p1.6.1 etrol engine, CWVA, from front", page 24</a>	
Knock sensor 1 -G61-	⇒ <a href="#">p1.7.2 etrol engine, DKFA, CXDB, DXSA, from above", page 29</a>	
Coolant temperature sender -G62-	⇒ <a href="#">p1.4.3 etrol engine, DSJA, from rear", page 19</a>	
Coolant temperature sender -G62-	⇒ <a href="#">p1.5.4 etrol engine, DNKA, from rear", page 22</a>	
Coolant temperature sender -G62-	⇒ <a href="#">p1.6.4 etrol engine, CWVA, from rear", page 26</a>	
Coolant temperature sender -G62-	⇒ <a href="#">p1.7.3 etrol engine, DKFA, CXDB, DXSA, from left", page 29</a>	
Engine outlet coolant temperature sender -G82-	⇒ <a href="#">p1.5.4 etrol engine, DNKA, from rear", page 22</a>	
Radiator outlet coolant temperature sender -G83-	⇒ <a href="#">v1.2 iew from left", page 12</a>	

Component	Chapter	Comment
Rear passenger side window regulator button -E713-	⇒ <a href="#">r1.4.4 ight door", page 26</a>	
Front passenger side window regulator button -E716-	⇒ <a href="#">p1.4.2 assenger door", page 24</a>	
Rotary light switch -EX1-	⇒ <a href="#">f1.1.2 ootwell", page 9</a>	
Selector mechanism -EX2-	⇒ <a href="#">c1.1.7 entre console", page 15</a>	
Hazard warning light switch -EX3-	⇒ <a href="#">p1.1.4 anel", page 12</a>	
Interior mirror -EX5-	⇒ <a href="#">p1.3.1 art 1", page 21</a>	
Driver exterior door handle -EX6-	⇒ <a href="#">d1.4.1 oor", page 24</a>	For models with entry and start authorisation
Front passenger exterior door handle -EX7-	⇒ <a href="#">p1.4.2 assenger door", page 24</a>	Pre-wired component
Exterior mirror adjuster -EX11-	⇒ <a href="#">d1.4.1 oor", page 24</a>	
Parking brake button -EX12-	⇒ <a href="#">c1.1.7 entre console", page 15</a>	
Heater and air conditioning controls -EX21-	⇒ <a href="#">c1.1.7 entre console", page 15</a>	
Switch module 1 in centre console -EX23-	⇒ <a href="#">c1.1.7 entre console", page 15</a>	
Switch module 2 in centre console -EX30-	⇒ <a href="#">c1.1.7 entre console", page 15</a>	
Operating unit for front left seat adjustment -EX33-	⇒ <a href="#">f1.1.8 ront seat", page 16</a>	For models with electric seat adjustment on driver side
Operating unit 2 for front left seat adjustment -EX38-	⇒ <a href="#">f1.1.8 ront seat", page 16</a>	For models with seat adjustment and memory function
Driver vanity mirror contact switch -F147-	⇒ <a href="#">p1.3.1 art 1", page 21</a>	
Front passenger vanity mirror contact switch -F148-	⇒ <a href="#">p1.3.1 art 1", page 21</a>	
Belt switch for seat row 2, passenger side -F392-	⇒ <a href="#">i1.2.1 nterior, view from left", page 19</a>	
Twin belt buckle -FX4-	⇒ <a href="#">i1.2.1 nterior, view from left", page 19</a>	
Rear right speed sensor -G44-	⇒ <a href="#">i1.2.2 nterior, view from right", page 19</a>	
Rear left speed sensor -G46-	⇒ <a href="#">i1.2.1 nterior, view from left", page 19</a>	
Sunlight penetration photosensor -G107-	⇒ <a href="#">p1.1.4 anel", page 12</a>	
Seat occupied sensor on front passenger side -G128-	⇒ <a href="#">f1.1.9 ront seat", page 18</a>	Not for American markets
Left vent temperature sender -G150-	⇒ <a href="#">f1.1.2 ootwell", page 9</a>	
Right vent temperature sender -G151-	⇒ <a href="#">r1.1.3 ight of interior", page 10</a>	
Side airbag crash sensor on driver side -G179-	⇒ <a href="#">d1.4.1 oor", page 24</a>	
Side airbag crash sensor on front passenger side -G180-	⇒ <a href="#">p1.4.2 assenger door", page 24</a>	
Footwell vent temperature sender -G192-	⇒ <a href="#">91.5.4 AK, part 2", page 31</a>	
Rear side airbag crash sensor on driver side -G256-	⇒ <a href="#">i1.2.2 nterior, view from right", page 19</a>	
Rear side airbag crash sensor on passenger side -G257-	⇒ <a href="#">i1.2.1 nterior, view from left", page 19</a>	
Evaporator temperature sensor -G308-	⇒ <a href="#">c1.5.1 onditioning system, KH6, part 1", page 28</a>	
Evaporator temperature sensor -G308-	⇒ <a href="#">91.5.3 AK, part 1", page 30</a>	
Rain and light sensor -G397-	⇒ <a href="#">p1.3.1 art 1", page 21</a>	for models with rain and light sensor

A - 10-pin electrical connector -T10ab-, black/10-pin electrical connector -T10aa-, black

1 - Tank flap release -EX13-

For American markets

1 - Fuel tank filler flap central locking actuator -F219-

Not for American markets

2 - Fuel tank leak detection module -GX36-

According to equipment

3 - Tank pressure sensor -G400-

For models with 1.5l petrol engine

4 - Fuel tank leak detection module -GX36-

For models with 1.5l petrol engine

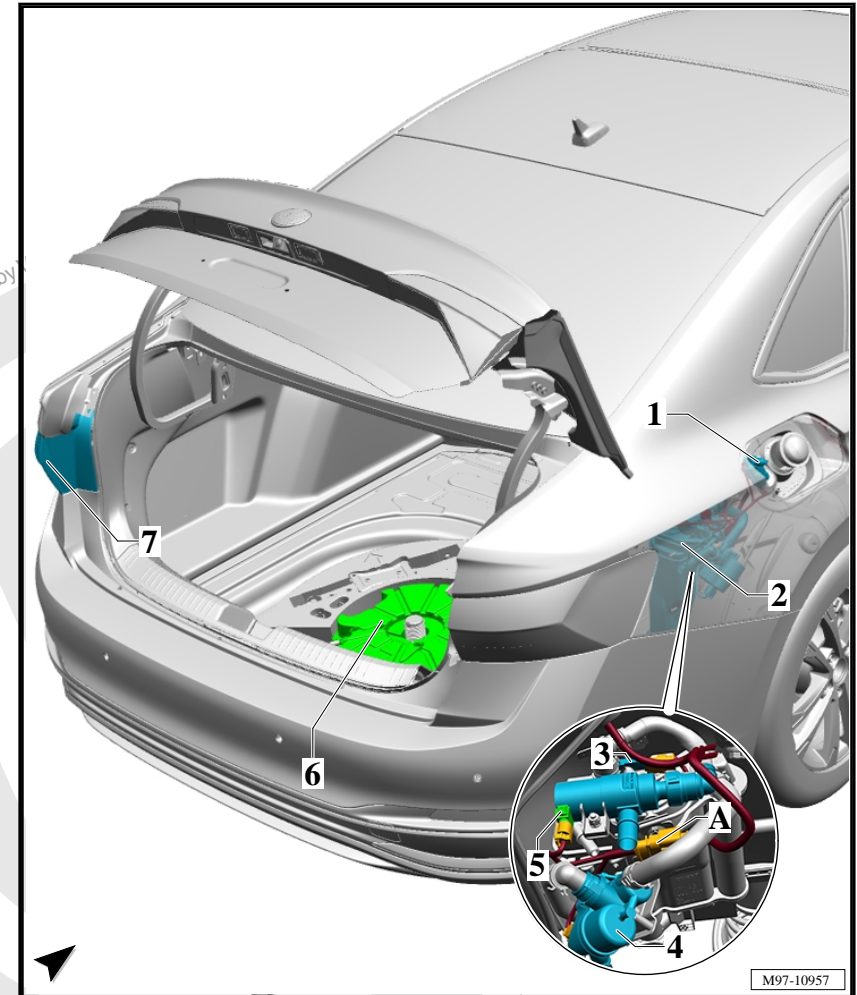
5 - Fuel tank shut-off valve -N288-

For models with 1.5l petrol engine

6 - Subwoofer -R211-

For models with sound system

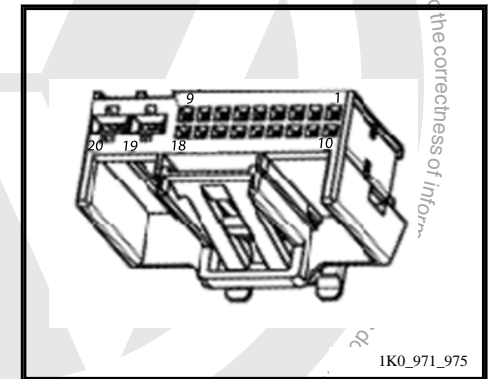
7 - Left tail light cluster -MX3-



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### 1.28.3 Connector -T20b-

Connector -T20b-

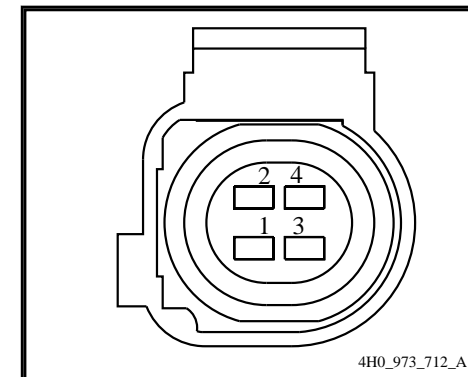


### 1.29 Switch module 1 in centre console -EX23-

◆ ⇒ [T1.29.1 10ks", page 30](#)

#### 1.29.1 Connector -T10ks-

Connector -T10ks-



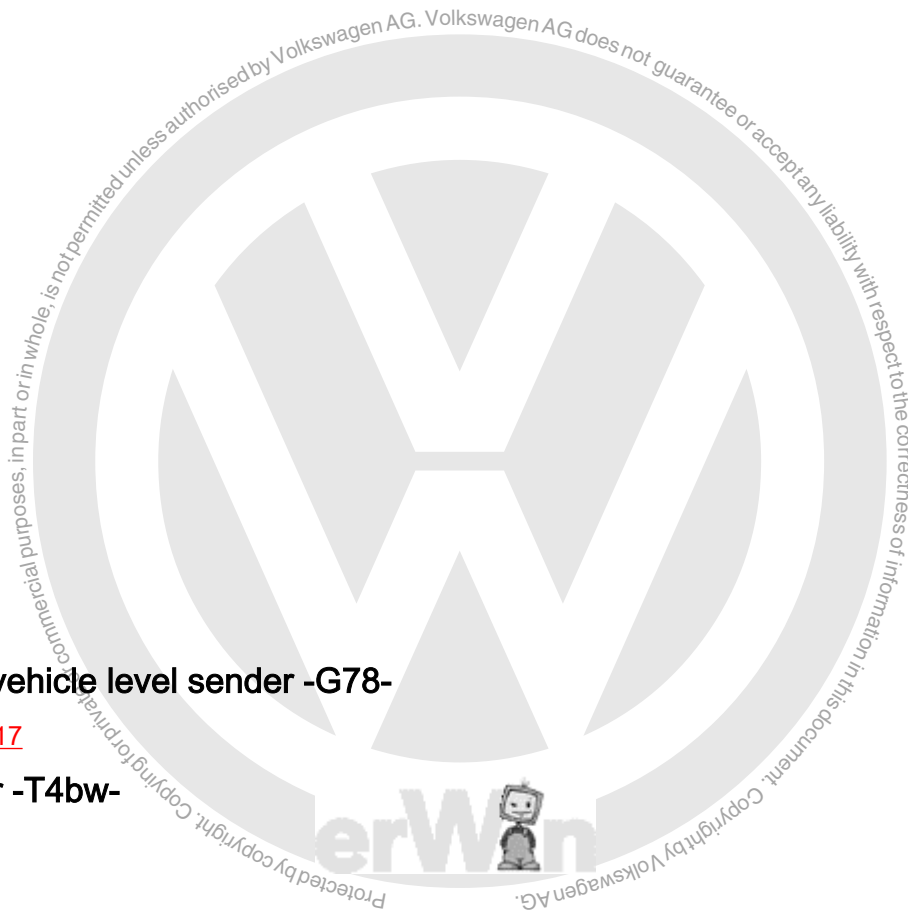
4H0\_973\_712\_A

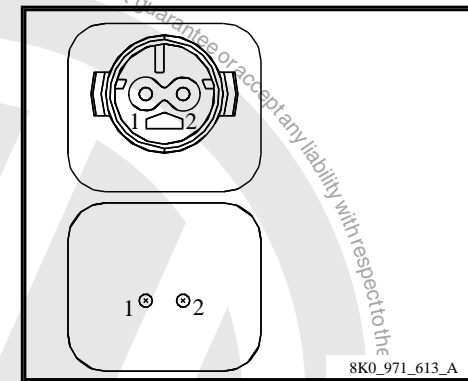
**1.15 Front left vehicle level sender -G78-**

◆ ⇒ [T1.15.1 4bw", page 17](#)

**1.15.1 Connector -T4bw-**

**Connector -T4bw-**



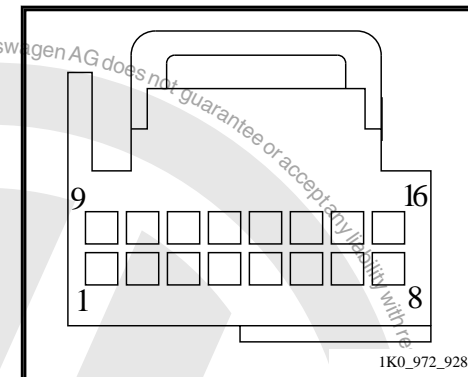


1.52 Front passenger side belt force limiter -G552-

◆ ⇒ [T1.52.1 2kad", page 54](#)

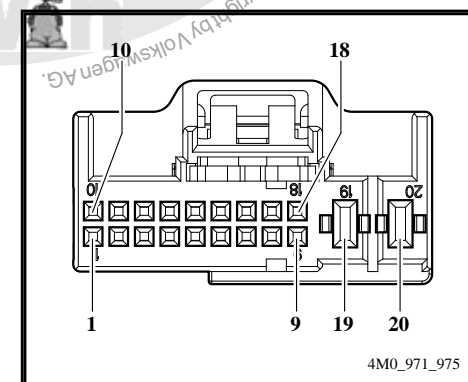
1.52.1 Connector -T2kad-

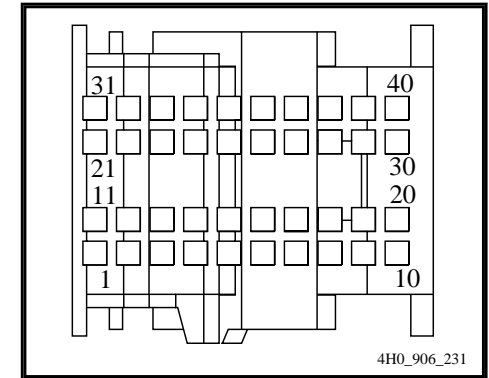
Connector -T2kad-



### 1.9.2 Connector -T20q-

Connector -T20q-





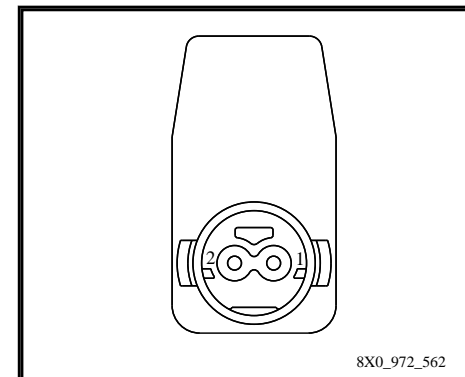
**1.33 Blind Spot Monitor control unit -J1086-**

◆ ⇒ [T1.33.1 8ab", page 50](#)

**1.33.1 Connector -T8ab-**

Connector -T8ab-





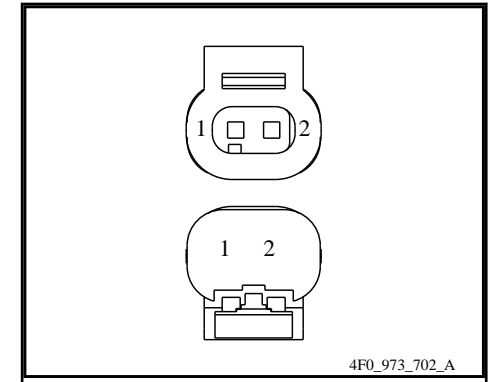
1.12 Front passenger seat belt tensioner igniter 1 -N154-

◆ ⇒ [T1.12.1 2b](#), page 13

1.12.1 Connector -T2bi-

Connector -T2bi-





**1.49 Exhaust cam actuator B for cylinder 4 -N605-**

◆ ⇒ [T1.49.1 2gs](#)", page 50

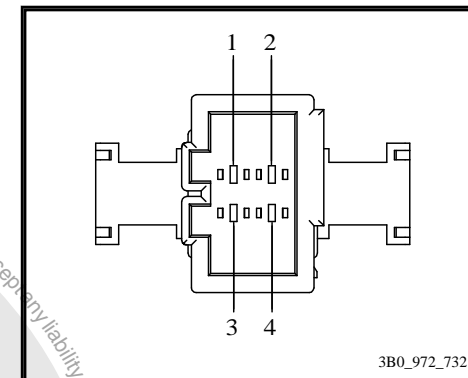
**1.49.1 Connector -T2gs-**

Connector -T2gs-

◆ ⇒ [T1.1.2 4dx", page 2](#)

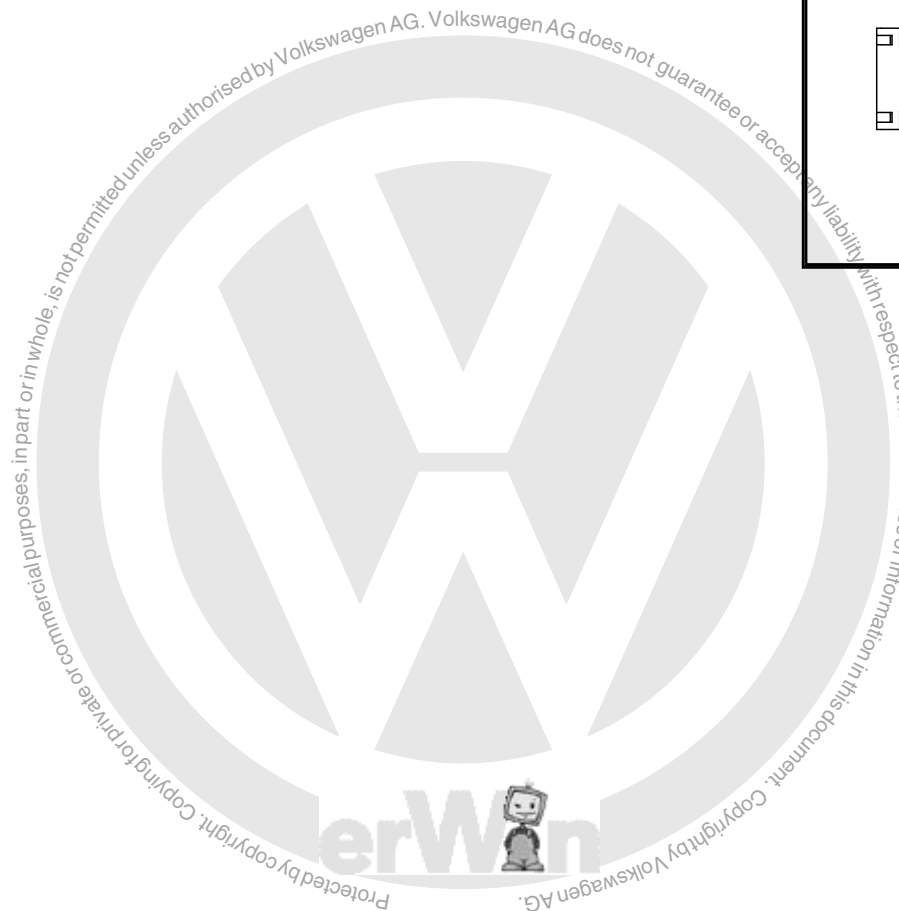
### 1.1.1 Connector -T4dw-

Connector -T4dw-



### 1.1.2 Connector -T4dx-

Connector -T4dx-



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