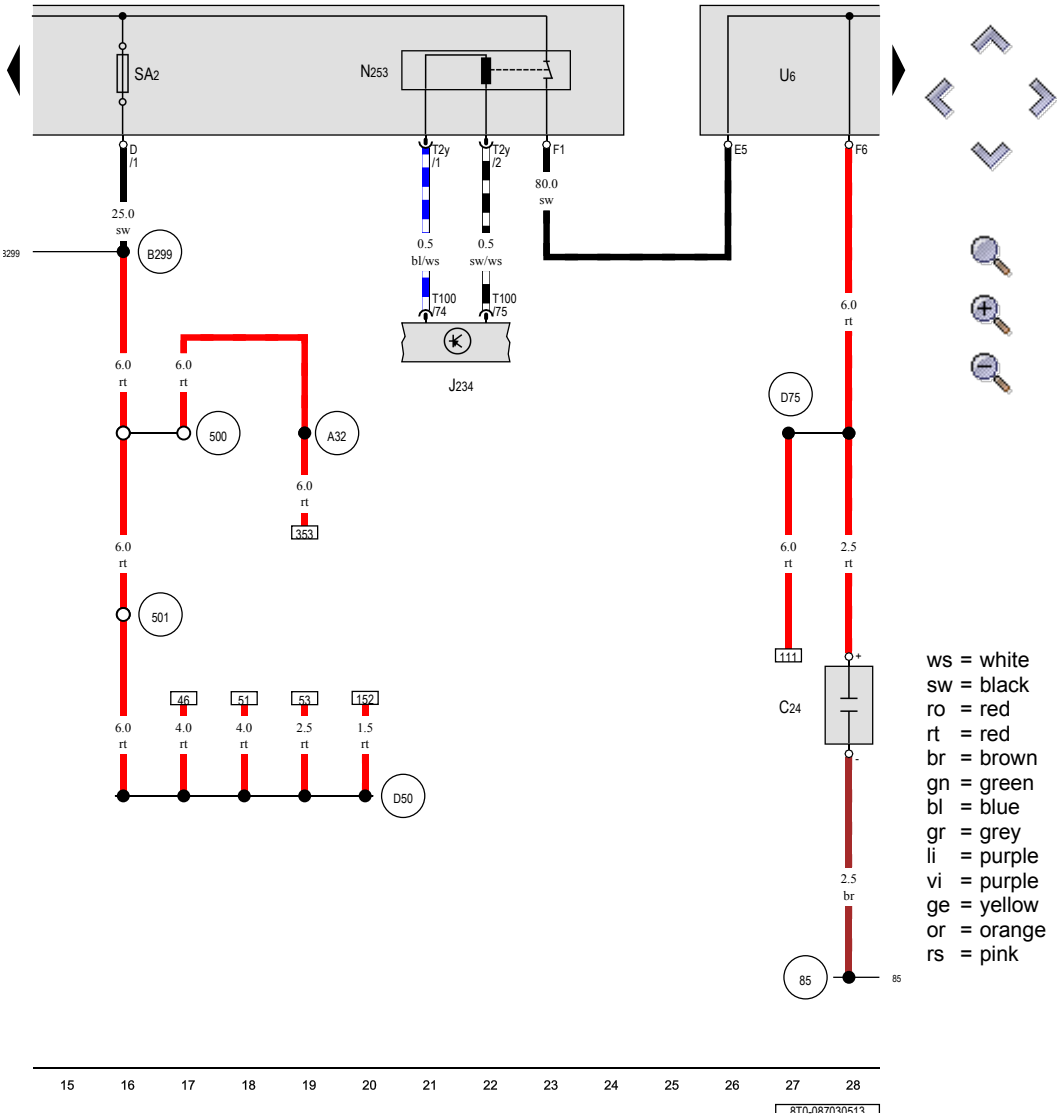


4.2l petrol engine , CAUA

From May 2008

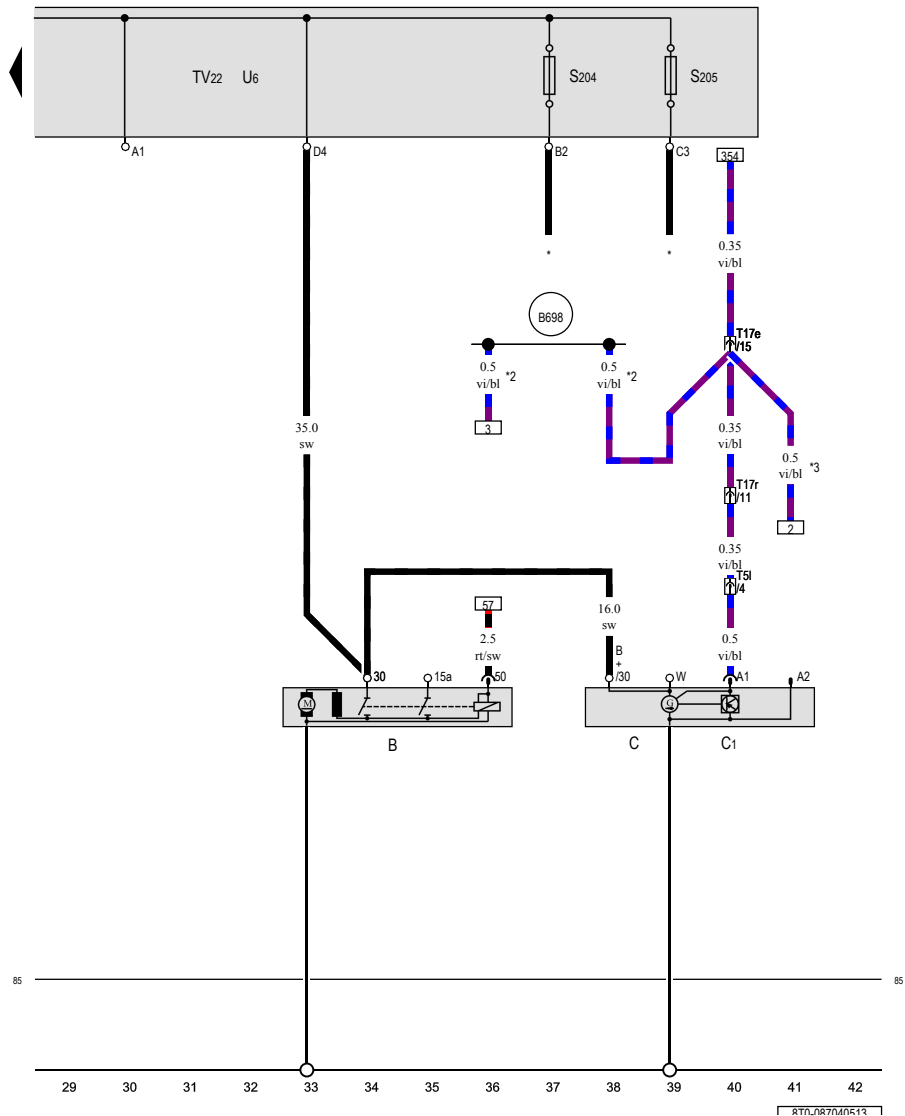


- ws = white
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rt = red
br = brown
gn = green
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vi = purple
ge = yellow
or = orange
rs = pink



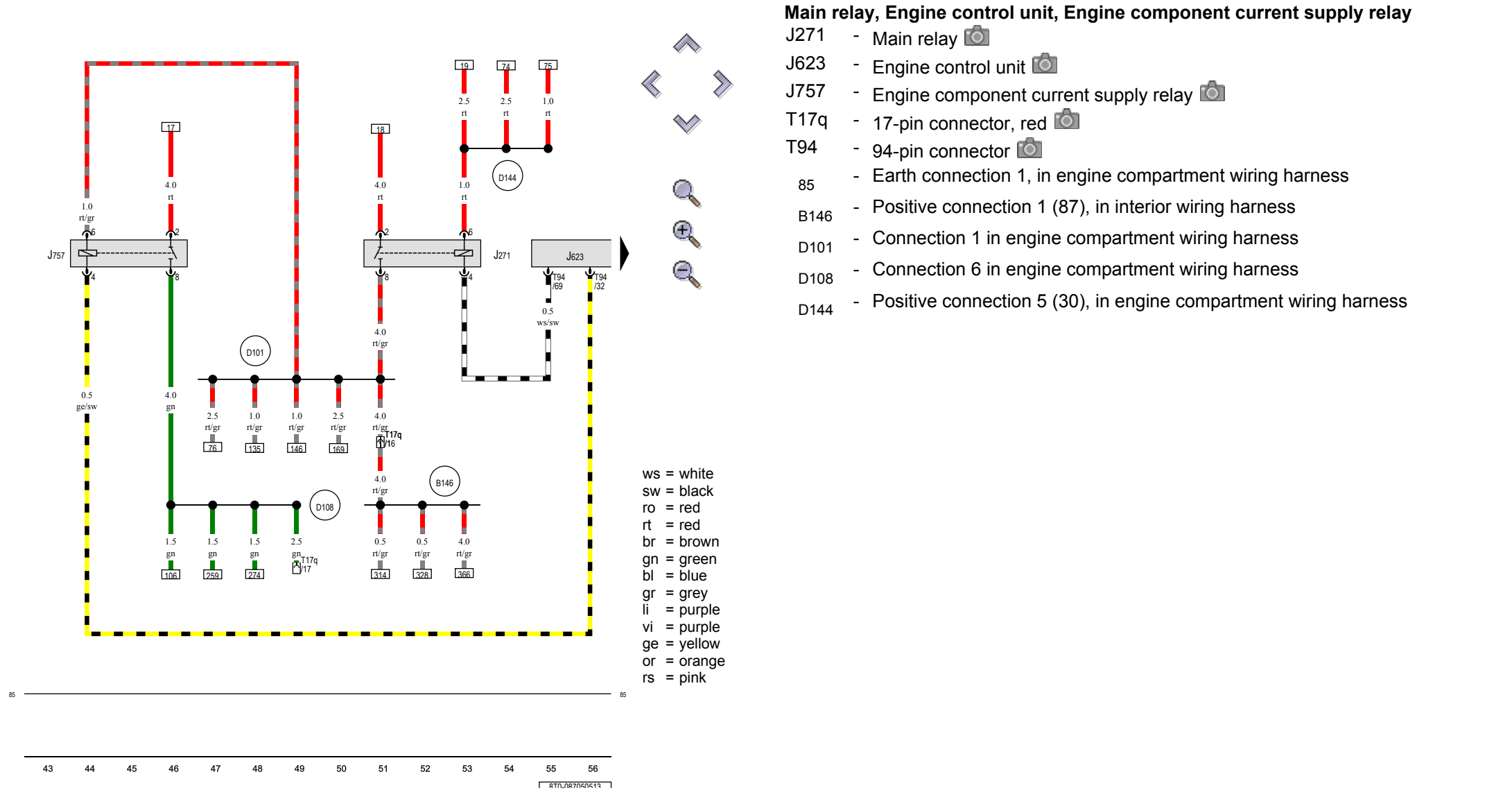
Battery isolation igniter, Jump start socket

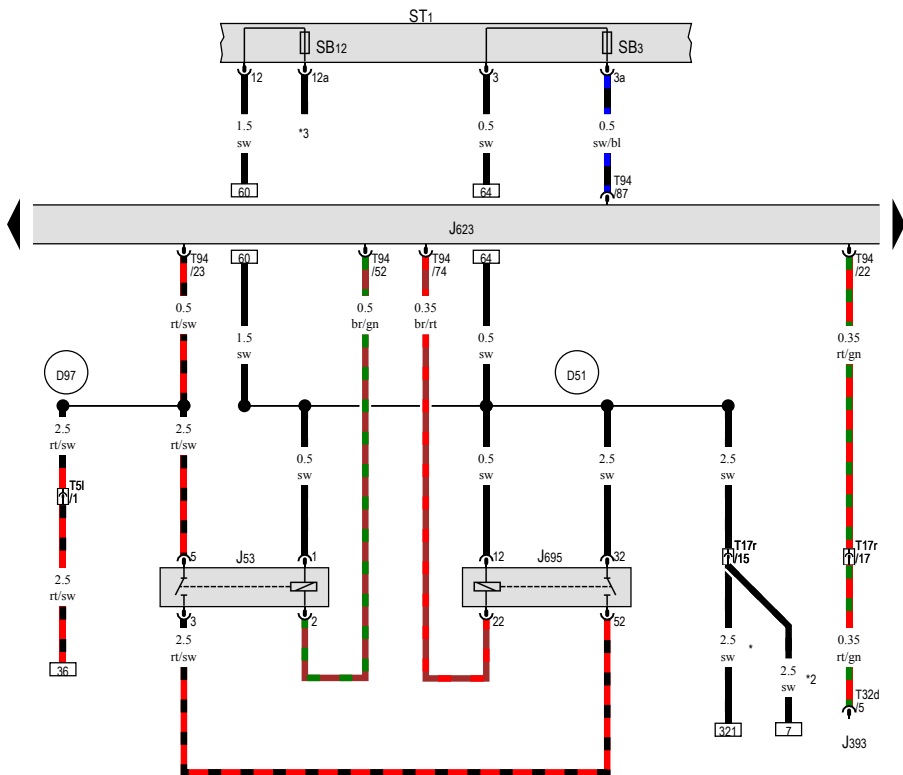
- C24 - Suppression filter
- J234 - Airbag control unit
- N253 - Battery isolation igniter
- SA2 - Fuse 2 in fuse holder A
- T2y - 2-pin connector
- T100 - 100-pin connector
- U6 - Jump start socket
- 85 - Earth connection 1, in engine compartment wiring harness
- 500 - Threaded connection 1 (30), on relay plate
- 501 - Threaded connection 2 (30), on relay plate
- A32 - Positive connection (30), in dash panel wiring harness
- B299 - Positive connection 3 (30), in main wiring harness
- D50 - Positive connection (30), in engine compartment wiring harness
- D75 - Positive connection 2 (30), in engine compartment wiring harness



Starter, Alternator, Voltage regulator, Terminal 30 wiring junction 2, Jump start socket










- B - Starter
- C - Alternator
- C1 - Voltage regulator
- S204 - Fuse 1 (30)
- S205 - Fuse 2 (30)
- T5l - 5-pin connector, in engine compartment
- T17e - 17-pin connector, red
- T17r - 17-pin connector, white
- TV22 - Terminal 30 wiring junction 2
- U6 - Jump start socket
- 85 - Earth connection 1, in engine compartment wiring harness
- B698 - Connection 3 (LIN bus) in main wiring harness
- * - see applicable current flow diagram for radiator fan
- *2 - From May 2009
- *3 - Up to April 2009

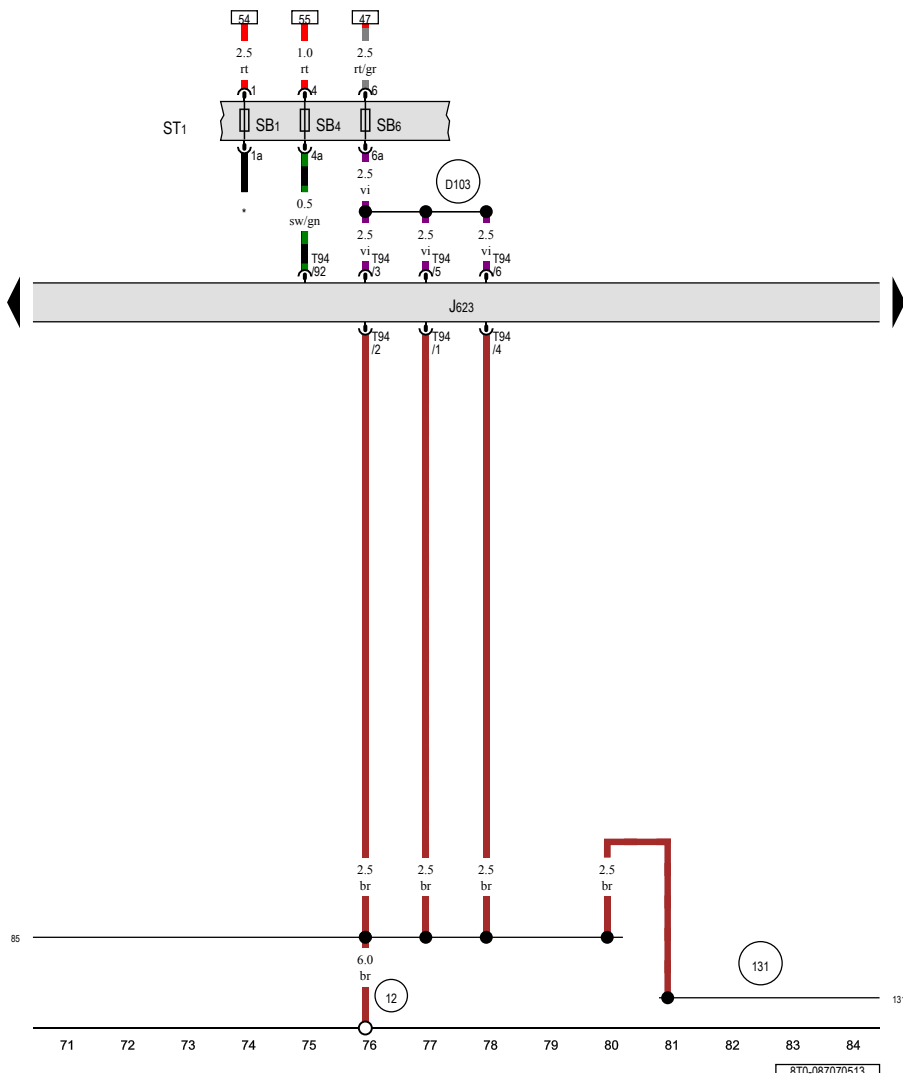




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Starter motor relay, Engine control unit, Starter motor relay 2

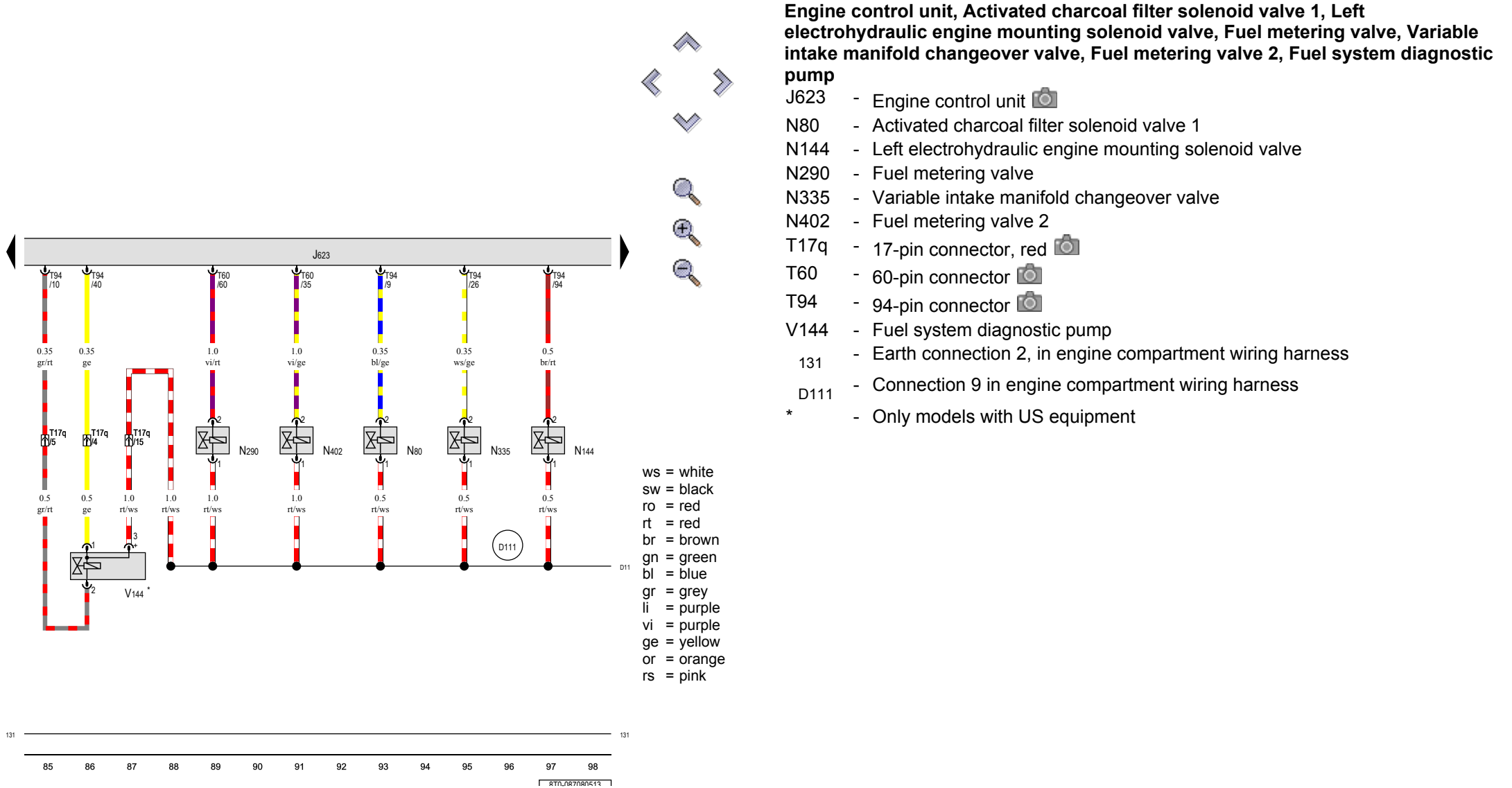
- J53 - Starter motor relay 
- J393 - Convenience system central control unit 
- J623 - Engine control unit 
- J695 - Starter motor relay 2 
- ST1 - Fuse carrier 1
- SB3 - Fuse 3 on fuse holder B 
- SB12 - Fuse 12 on fuse holder B 
- T5I - 5-pin connector, in engine compartment
- T17r - 17-pin connector, white 
- T32d - 32-pin connector 
- T94 - 94-pin connector 
- 85 - Earth connection 1, in engine compartment wiring harness
- D51 - Positive connection 1 (15), in engine compartment wiring harness
- D97 - Connection (50), in engine compartment right wiring harness
- * - From May 2009
- *2 - Up to April 2009
- *3 - see applicable current flow diagram for automatic gearbox

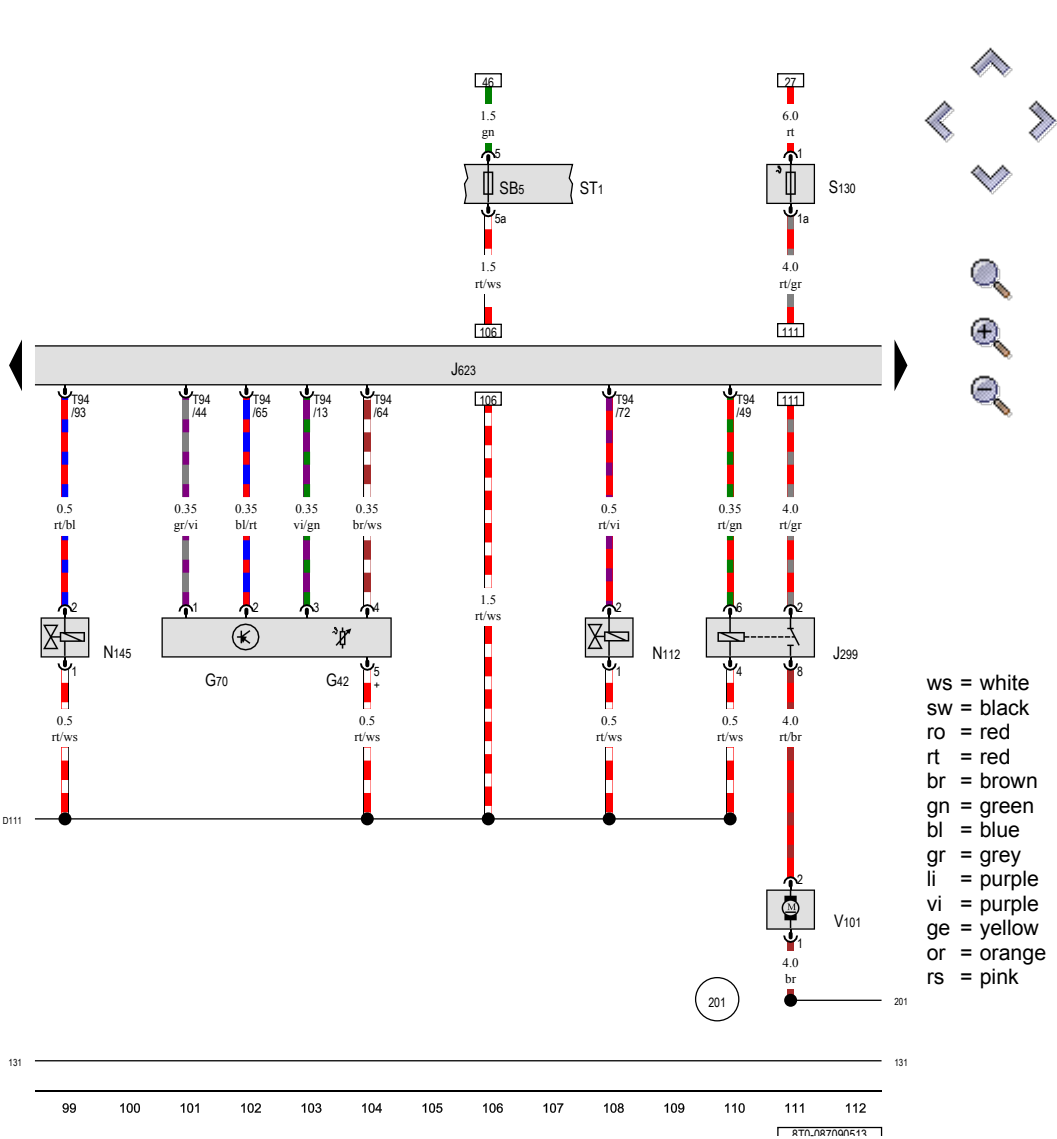


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Engine control unit

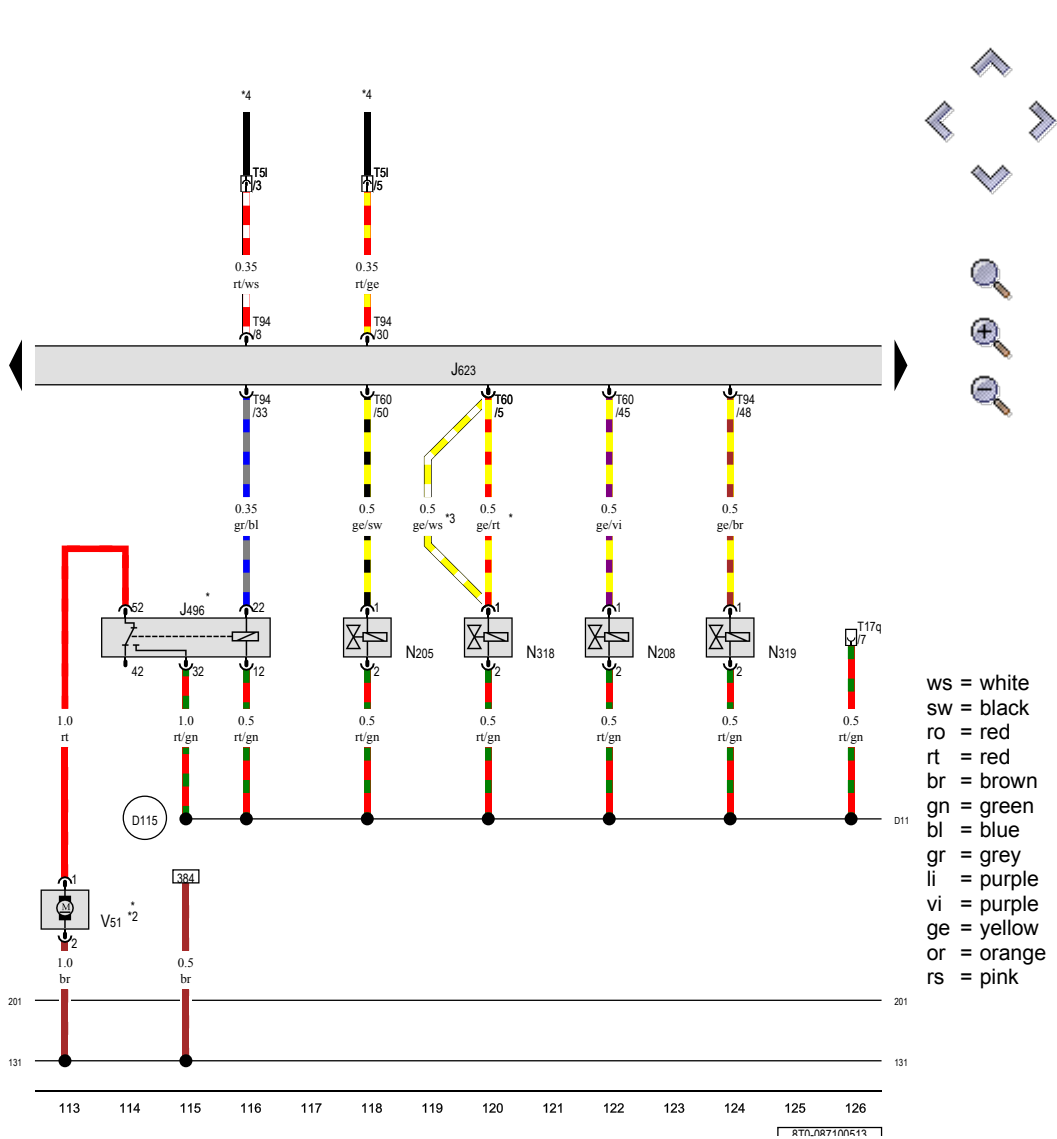
- J623 - Engine control unit 
- ST1 - Fuse carrier 1
- SB1 - Fuse 1 on fuse holder B 
- SB4 - Fuse 4 on fuse holder B 
- SB6 - Fuse 6 on fuse holder B 
- T94 - 94-pin connector 
- 12 - Earth point, on left in engine compartment 
- 85 - Earth connection 1, in engine compartment wiring harness
- 131 - Earth connection 2, in engine compartment wiring harness
- D103 - Connection 3 in engine compartment wiring harness
- * - see applicable current flow diagram for automatic gearbox



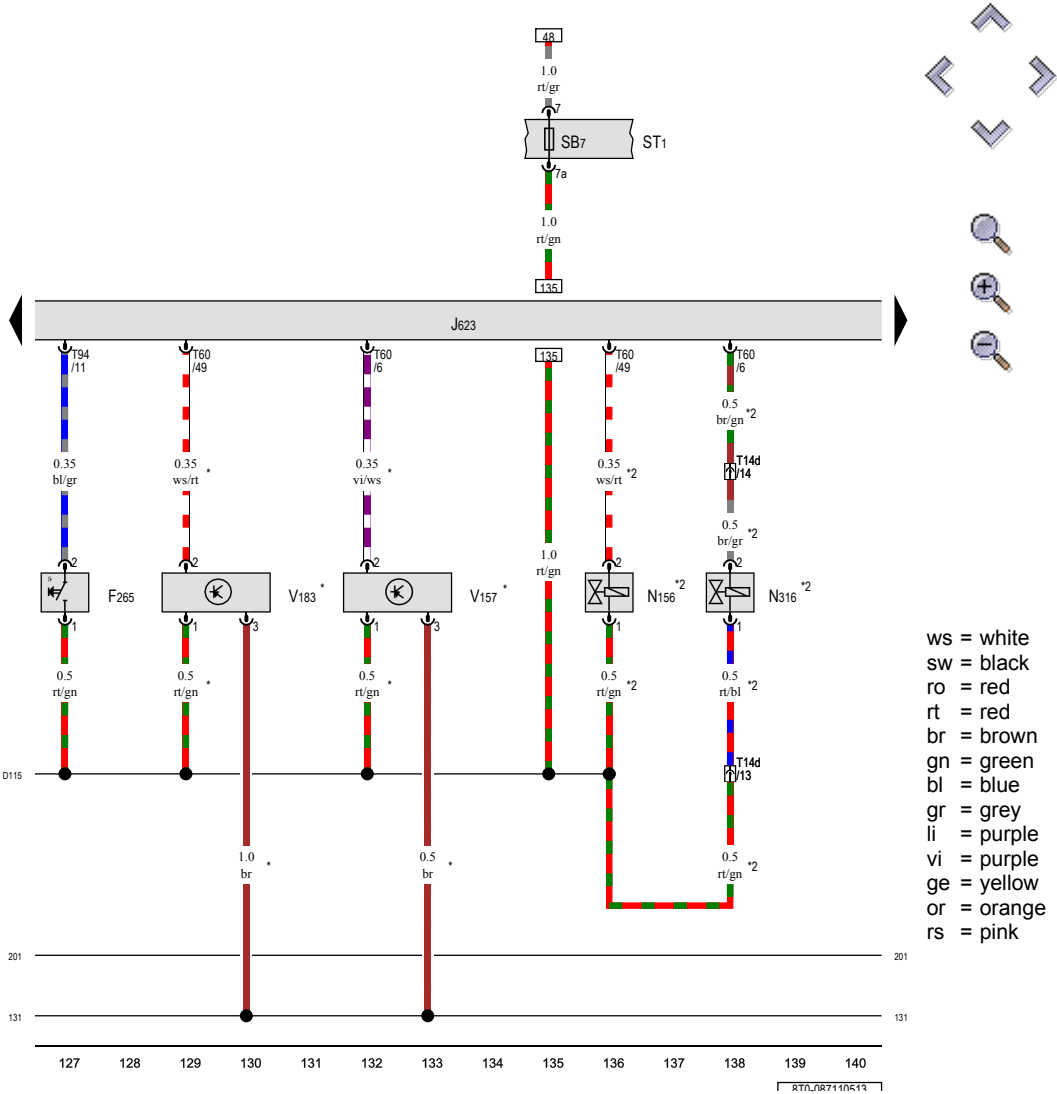


Air mass meter, Secondary air pump relay, Engine control unit, Right electrohydraulic engine mounting solenoid valve, Secondary air pump motor

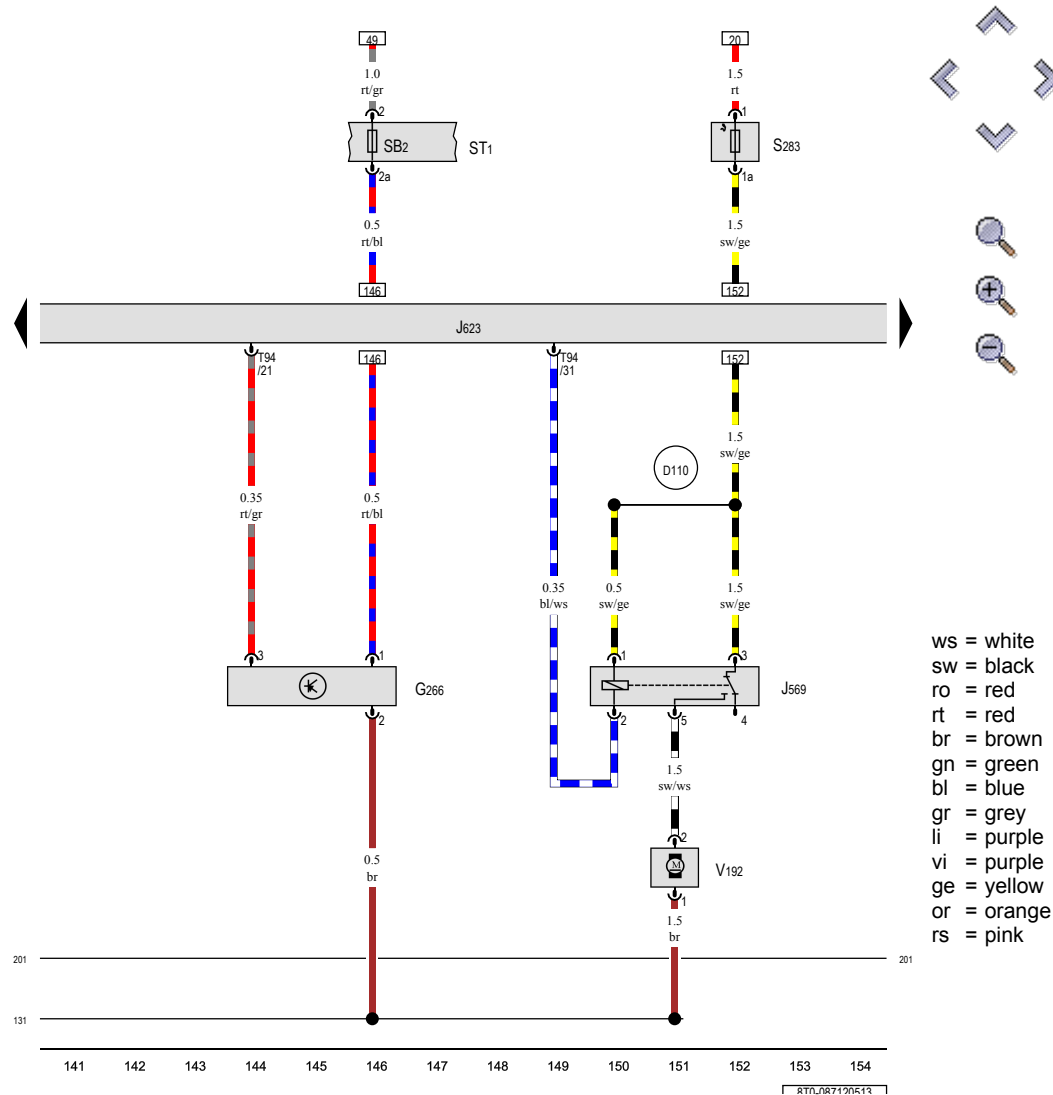
- G42 - Intake air temperature sender
- G70 - Air mass meter
- J299 - Secondary air pump relay
- J623 - Engine control unit
- N112 - Secondary air inlet valve
- N145 - Right electrohydraulic engine mounting solenoid valve
- ST1 - Fuse carrier 1
- SB5 - Fuse 5 on fuse holder B
- S130 - Secondary air pump fuse
- T94 - 94-pin connector
- V101 - Secondary air pump motor
- 131 - Earth connection 2, in engine compartment wiring harness
- 201 - Earth connection 5, in engine compartment wiring harness
- D111 - Connection 9 in engine compartment wiring harness








- Additional coolant pump relay, Engine control unit, Camshaft control valve 1, Camshaft control valve 2, Exhaust camshaft control valve 1, Exhaust camshaft control valve 2, Continued coolant circulation pump**
- J496 - Additional coolant pump relay
 - J623 - Engine control unit
 - N205 - Camshaft control valve 1
 - N208 - Camshaft control valve 2
 - N318 - Exhaust camshaft control valve 1
 - N319 - Exhaust camshaft control valve 2
 - T5I - 5-pin connector
 - T17q - 17-pin connector, red
 - T60 - 60-pin connector
 - T94 - 94-pin connector
 - V51 - Continued coolant circulation pump
 - 131 - Earth connection 2, in engine compartment wiring harness
 - 201 - Earth connection 5, in engine compartment wiring harness
 - D115 - Connection 13 in engine compartment wiring harness
 - * - Gradually discontinued
 - *2 - Only for countries with hot climate
 - *3 - gradual introduction
 - *4 - see applicable current flow diagram for radiator fan

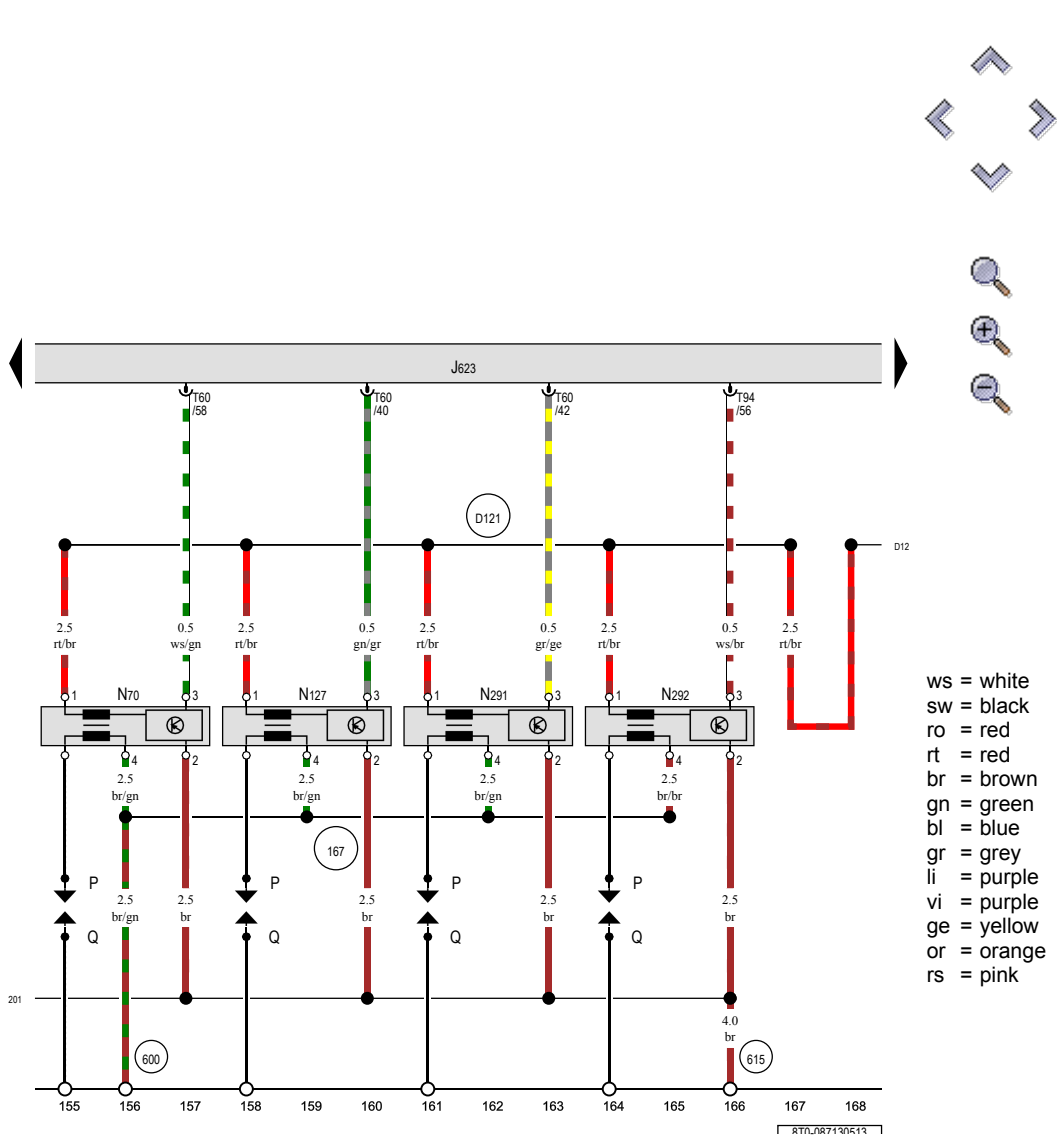


- Map-controlled engine cooling system thermostat, Engine control unit, Intake manifold flap valve, Intake manifold flap motor, Variable intake manifold motor**
- F265 - Map-controlled engine cooling system thermostat
 - J623 - Engine control unit
 - N156 - Variable intake manifold changeover valve
 - N316 - Intake manifold flap valve
 - ST1 - Fuse carrier 1
 - SB7 - Fuse 7 on fuse holder B
 - T14d - 14-pin connector, in engine compartment
 - T60 - 60-pin connector
 - T94 - 94-pin connector
 - V157 - Intake manifold flap motor
 - V183 - Variable intake manifold motor
 - 131 - Earth connection 2, in engine compartment wiring harness
 - 201 - Earth connection 5, in engine compartment wiring harness
 - D115 - Connection 13 in engine compartment wiring harness
 - * - Gradually discontinued
 - *2 - gradual introduction

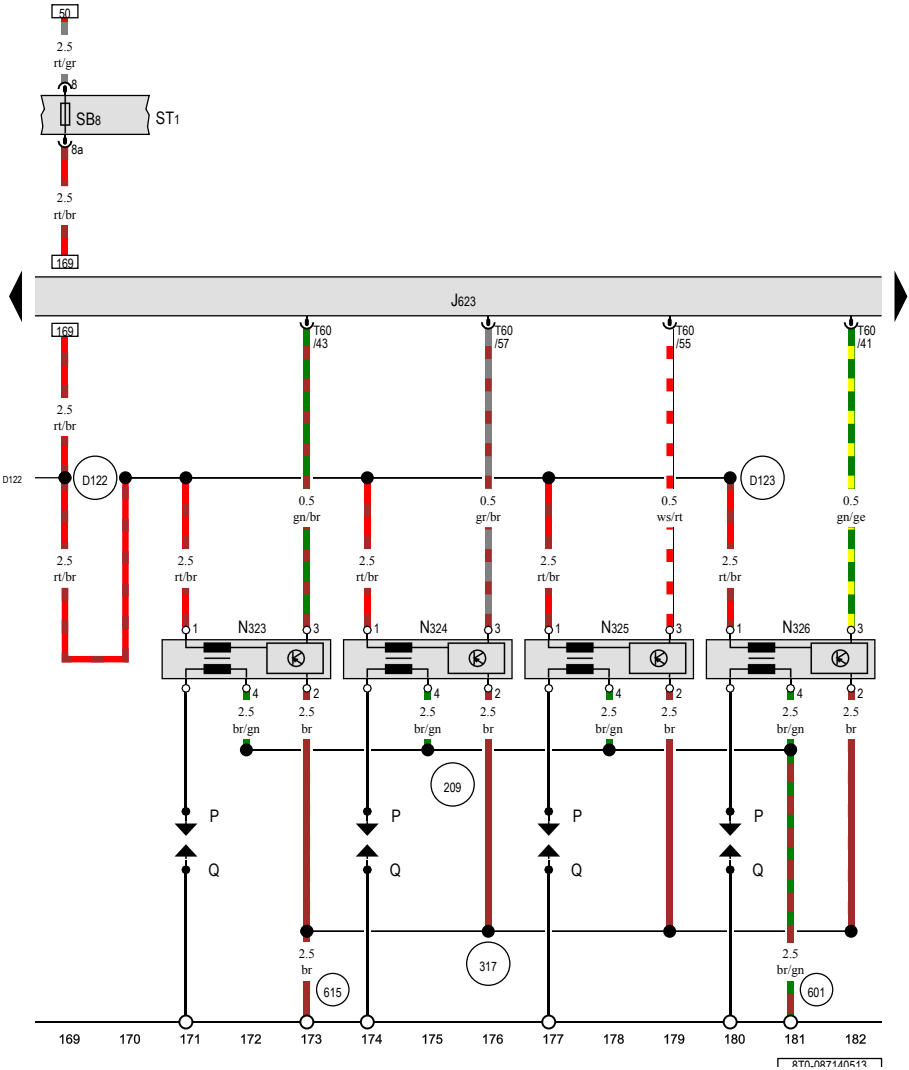


Oil level and oil temperature sender, Brake servo relay, Engine control unit, Vacuum pump for brakes

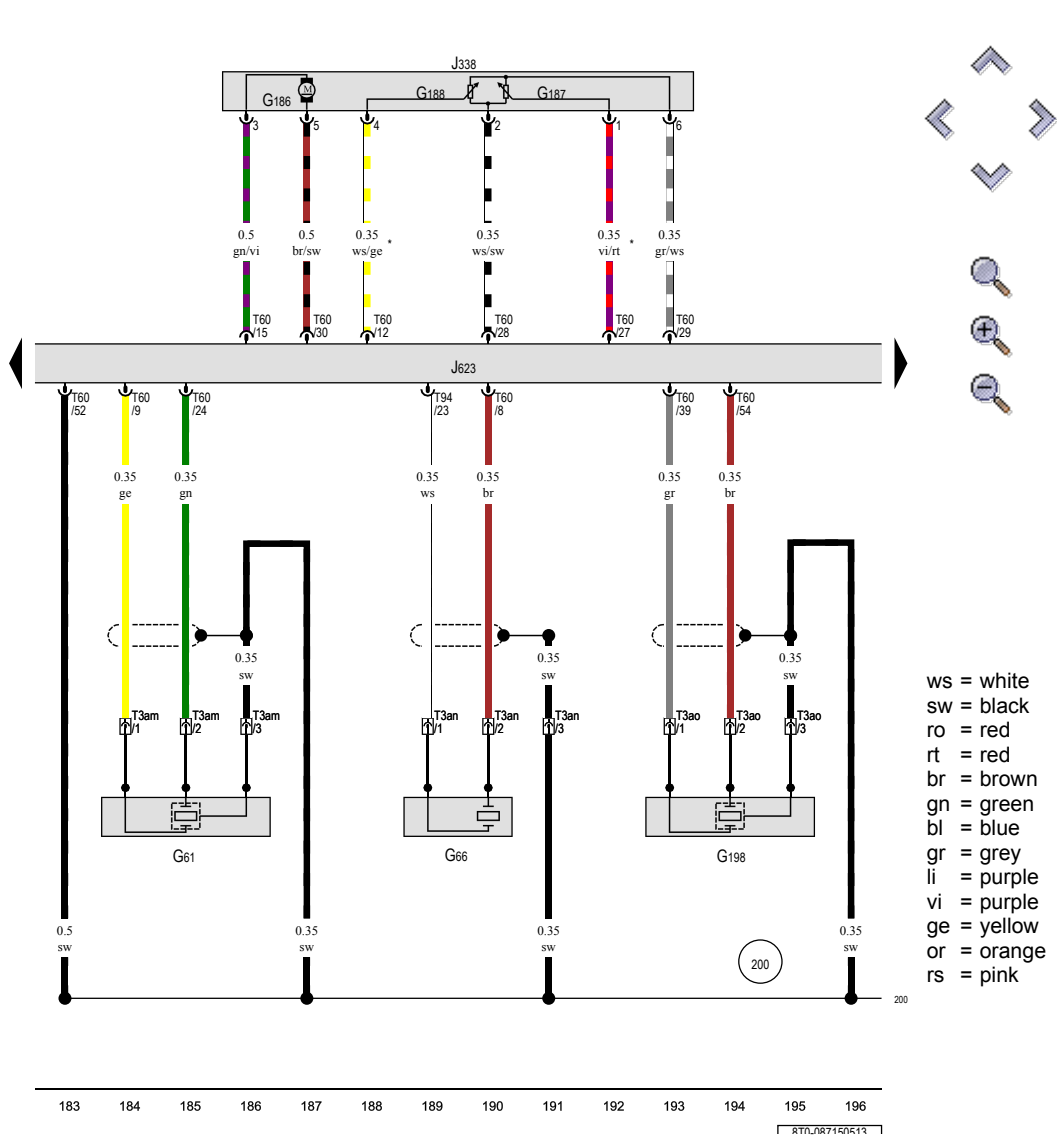
- G266 - Oil level and oil temperature sender
- J569 - Brake servo relay 
- J623 - Engine control unit 
- ST1 - Fuse carrier 1
- SB2 - Fuse 2 on fuse holder B 
- S283 - Brake vacuum pump fuse 
- T94 - 94-pin connector 
- V192 - Vacuum pump for brakes
- 131 - Earth connection 2, in engine compartment wiring harness
- 201 - Earth connection 5, in engine compartment wiring harness
- D110 - Connection 8 in engine compartment wiring harness



- Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage**
- J623 - Engine control unit
 - N70 - Ignition coil 1 with output stage
 - N127 - Ignition coil 2 with output stage
 - N291 - Ignition coil 3 with output stage
 - N292 - Ignition coil 4 with output stage
 - P - Spark plug connector
 - Q - Spark plugs
 - T60 - 60-pin connector
 - T94 - 94-pin connector
 - 167 - Earth connection 4, in engine compartment wiring harness
 - 201 - Earth connection 5, in engine compartment wiring harness
 - 600 - Earth point, on right cylinder head
 - 615 - Earth point, on left suspension strut
 - D121 - Connection 19 in engine compartment wiring harness
 - D122 - Connection 20 in engine compartment wiring harness





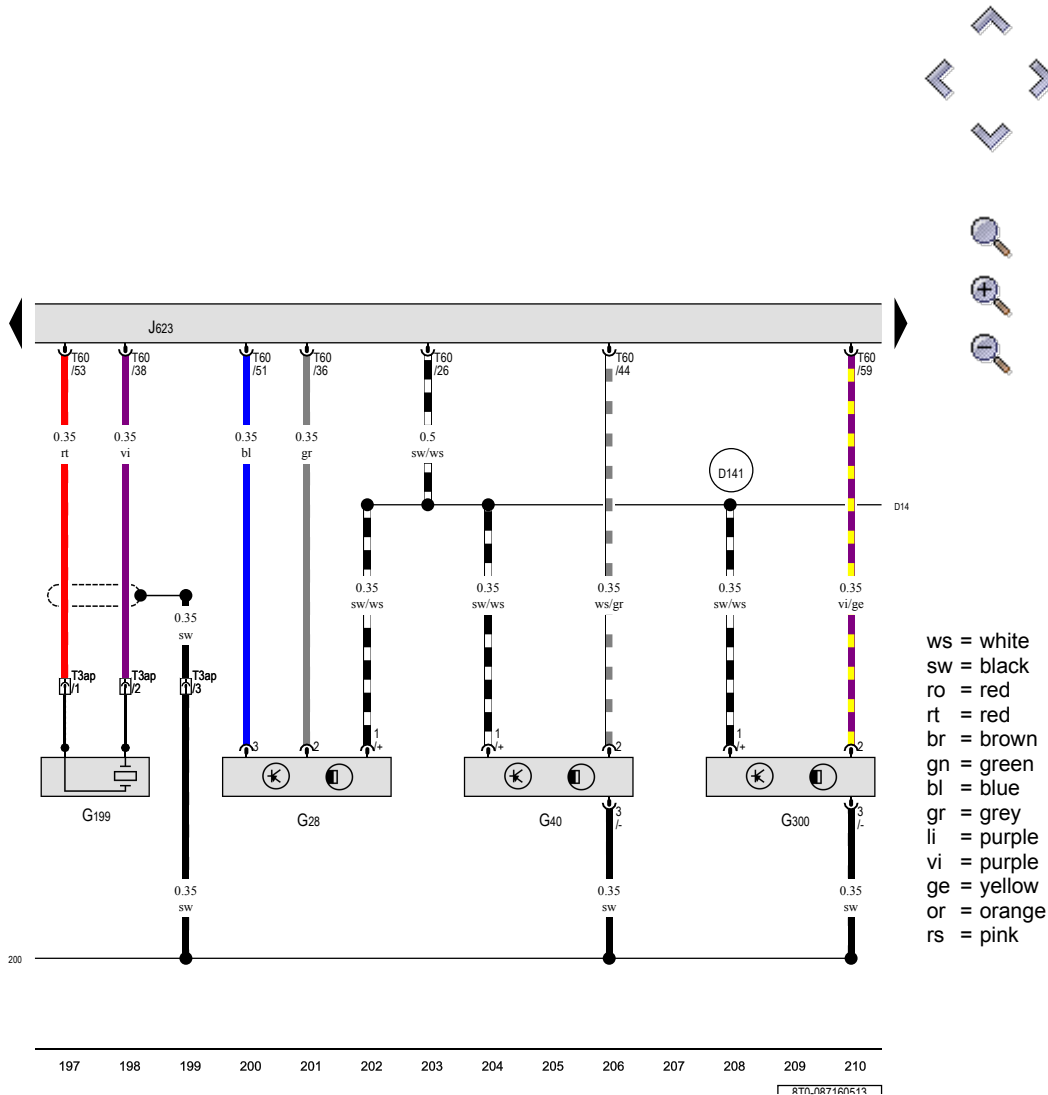
- Engine control unit, Ignition coil 5 with output stage, Ignition coil 6 with output stage, Ignition coil 7 with output stage, Ignition coil 8 with output stage**
- J623 - Engine control unit
 - N323 - Ignition coil 5 with output stage
 - N324 - Ignition coil 6 with output stage
 - N325 - Ignition coil 7 with output stage
 - N326 - Ignition coil 8 with output stage
 - P - Spark plug connector
 - Q - Spark plugs
 - ST1 - Fuse carrier 1
 - SB8 - Fuse 8 on fuse holder B
 - T60 - 60-pin connector
 - 209 - Earth connection 6, in engine compartment wiring harness
 - 317 - Earth connection 7, in engine compartment wiring harness
 - 601 - Earth point, on left cylinder head
 - 615 - Earth point, on left suspension strut
 - D122 - Connection 20 in engine compartment wiring harness
 - D123 - Connection 21 in engine compartment wiring harness

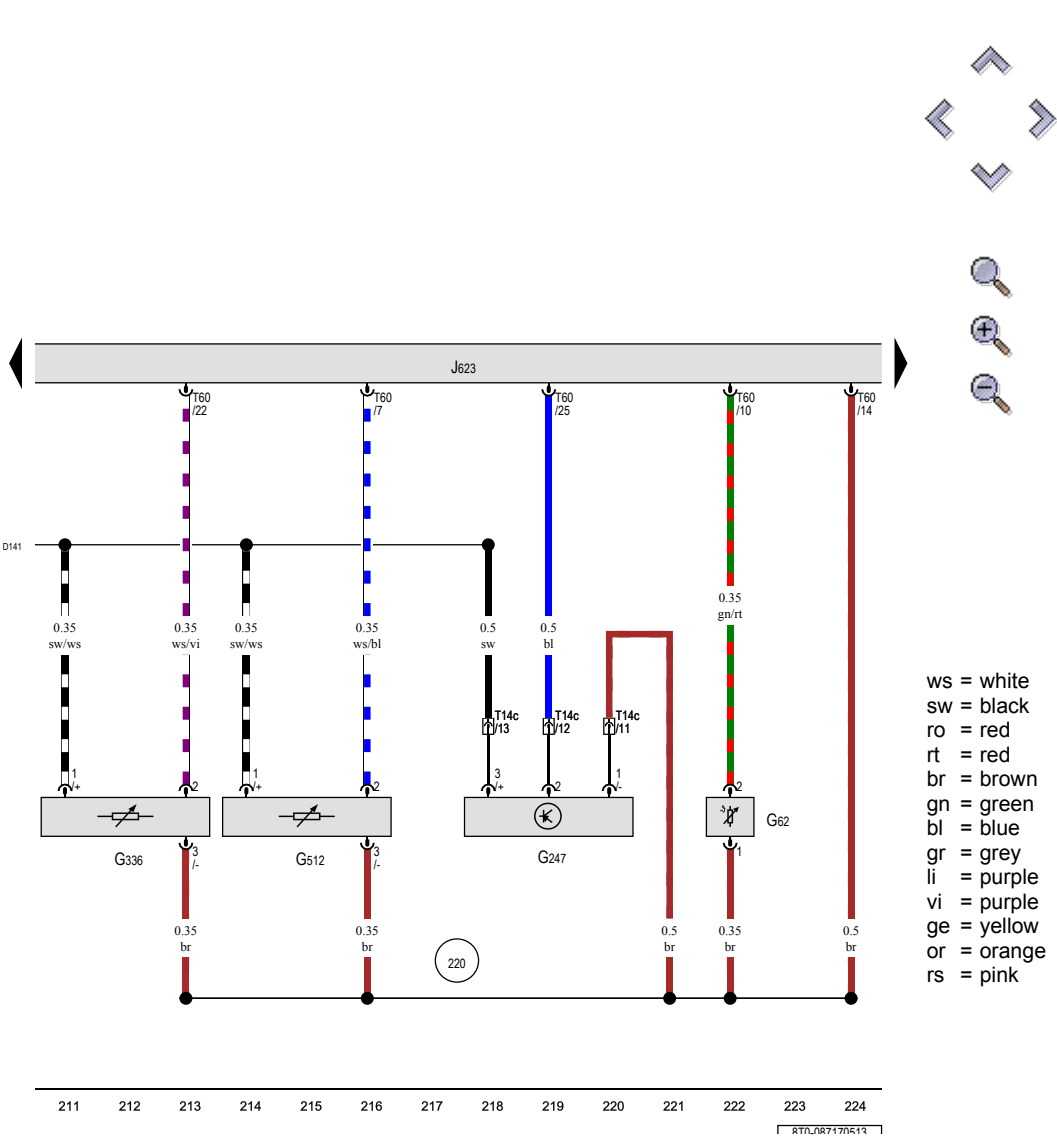


- Knock sensor 1, Knock sensor 2, Knock sensor 3, Throttle valve module, Engine control unit**
- G61 - Knock sensor 1
 - G66 - Knock sensor 2
 - G186 - Throttle valve drive for electric throttle
 - G187 - Throttle valve drive angle sender 1 for electric throttle
 - G188 - Throttle valve drive angle sender 2 for electric throttle
 - G198 - Knock sensor 3
 - J338 - Throttle valve module
 - J623 - Engine control unit
 - T3am - 3-pin connector, black
 - T3an - 3-pin connector, brown
 - T3ao - 3-pin connector, black
 - T60 - 60-pin connector
 - T94 - 94-pin connector
 - 200 - Earth connection (screening), in engine compartment wiring harness
 - * - Wiring colour depends on equipment

Engine speed sender, Hall sender, Knock sensor 4, Hall sender 3, Engine control unit

- G28 - Engine speed sender
- G40 - Hall sender
- G199 - Knock sensor 4
- G300 - Hall sender 3
- J623 - Engine control unit 
- T3ap - 3-pin connector, brown
- T60 - 60-pin connector 
- 200 - Earth connection (screening), in engine compartment wiring harness
- D141 - Connection (5V) in engine prewiring harness

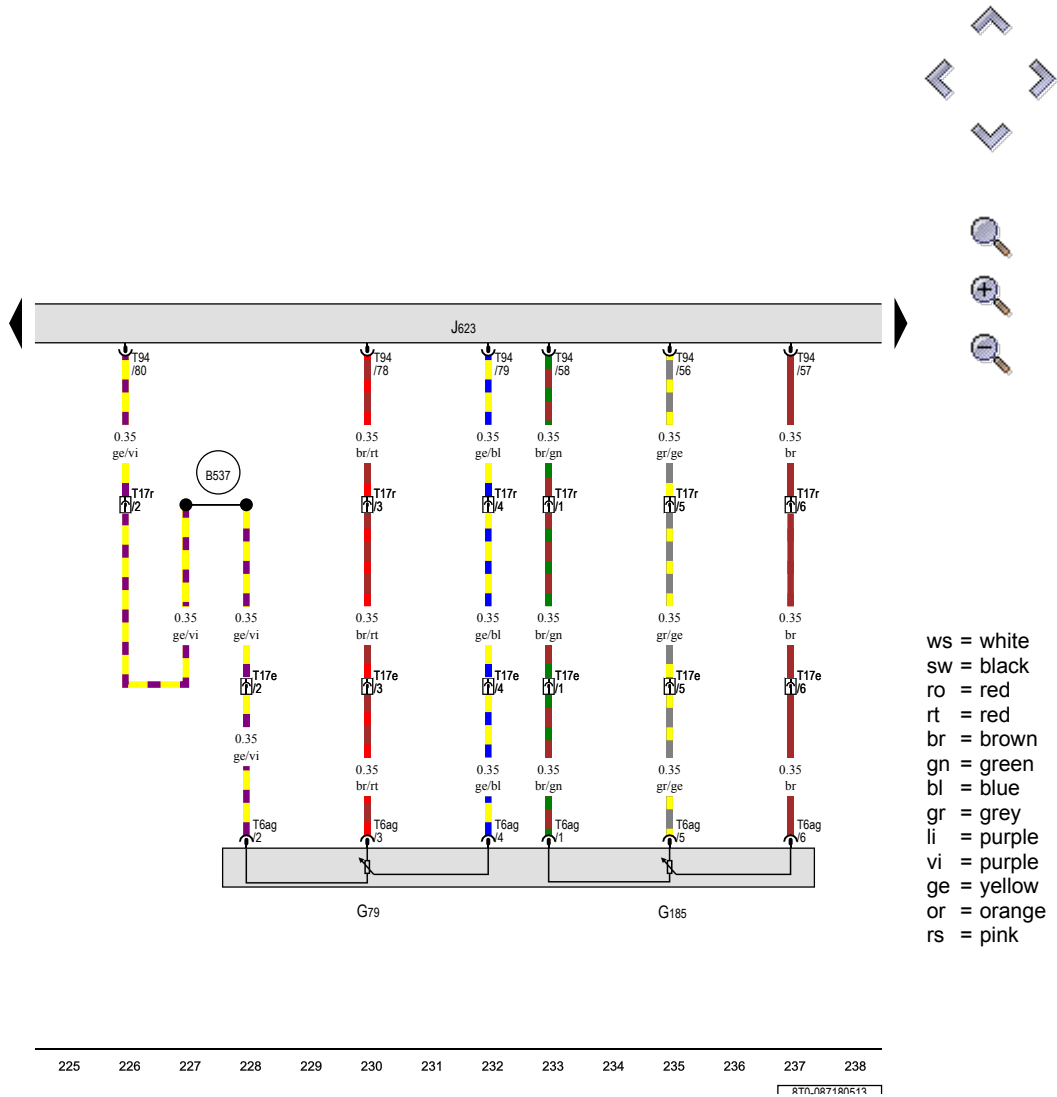






- Coolant temperature sender, Fuel pressure sender, Intake manifold flap potentiometer, Intake manifold flap potentiometer 2, Engine control unit**
- G62 - Coolant temperature sender
 - G247 - Fuel pressure sender
 - G336 - Intake manifold flap potentiometer
 - G512 - Intake manifold flap potentiometer 2
 - J623 - Engine control unit
 - T14c - 14-pin connector, in engine compartment
 - T60 - 60-pin connector
 - 220 - Earth connection (sender earth), in engine wiring harness
 - D141 - Connection (5V) in engine prewiring harness

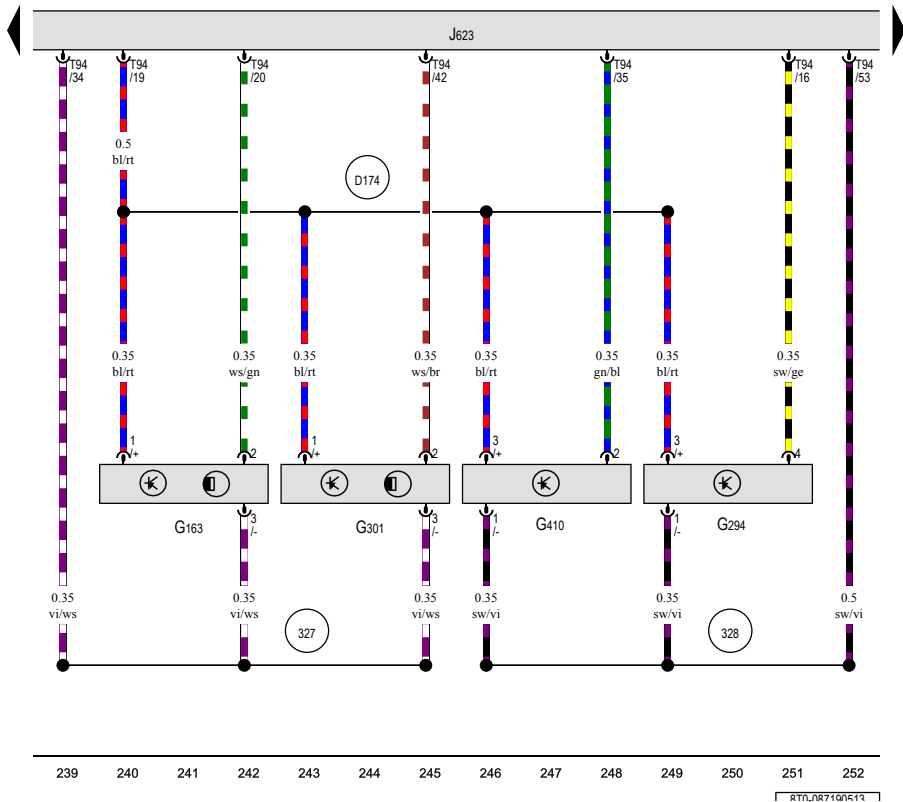
Accelerator position sender, Engine control unit

- G79 - Accelerator position sender
- G185 - Accelerator position sender 2
- J623 - Engine control unit
- T6ag - 6-pin connector
- T17e - 17-pin connector, red
- T17r - 17-pin connector, white
- T94 - 94-pin connector
- B537 - Connection 28, in main wiring harness

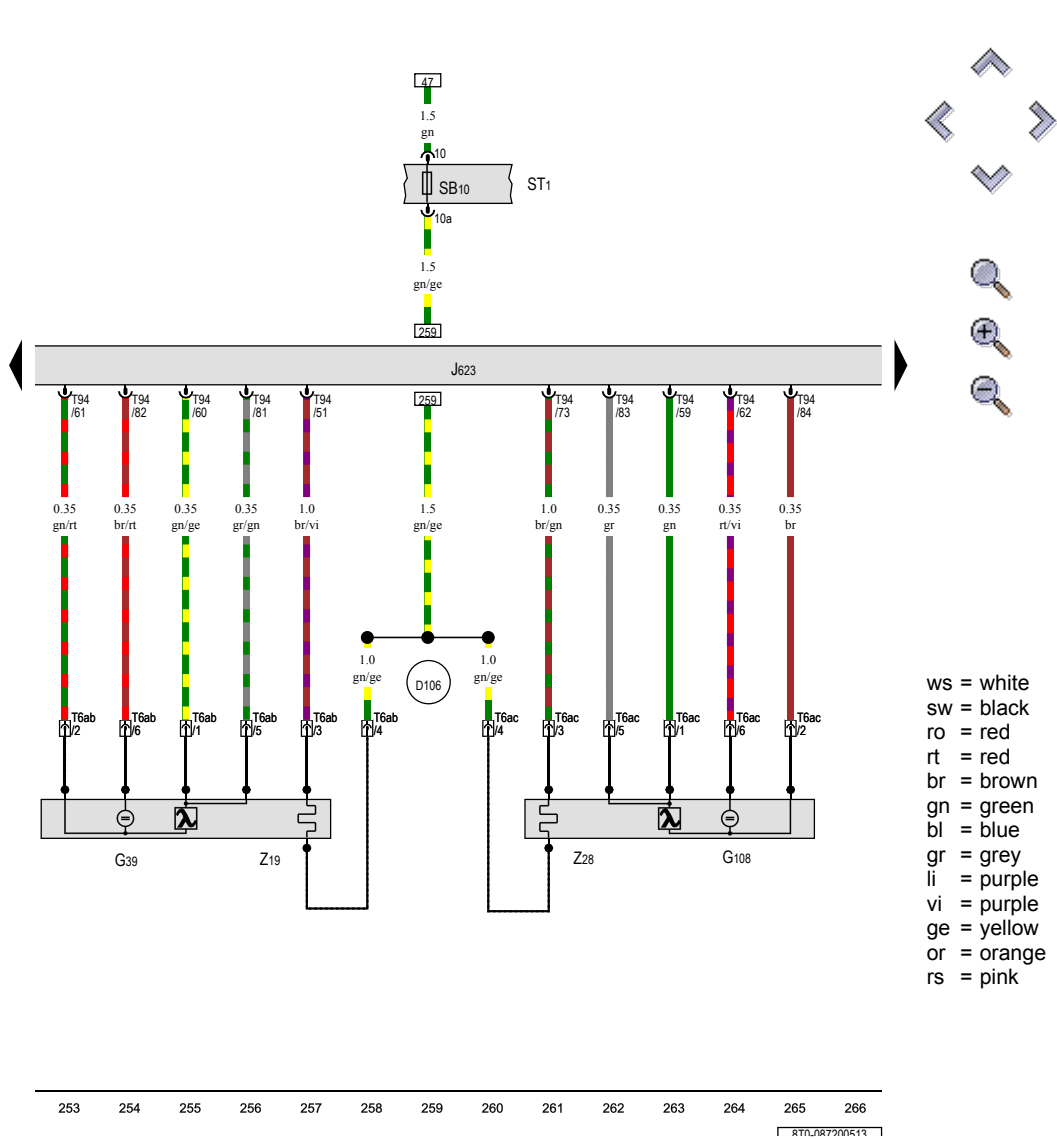


Hall sender 2, Brake servo pressure sensor, Hall sender 4, Fuel pressure sender for low-pressure, Engine control unit

- G163 - Hall sender 2
- G294 - Brake servo pressure sensor
- G301 - Hall sender 4
- G410 - Fuel pressure sender for low-pressure
- J623 - Engine control unit 
- T94 - 94-pin connector 
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- 328 - Earth connection 2 (sender earth), in engine compartment wiring harness
- D174 - Connection 2 (5V) in engine prewiring harness

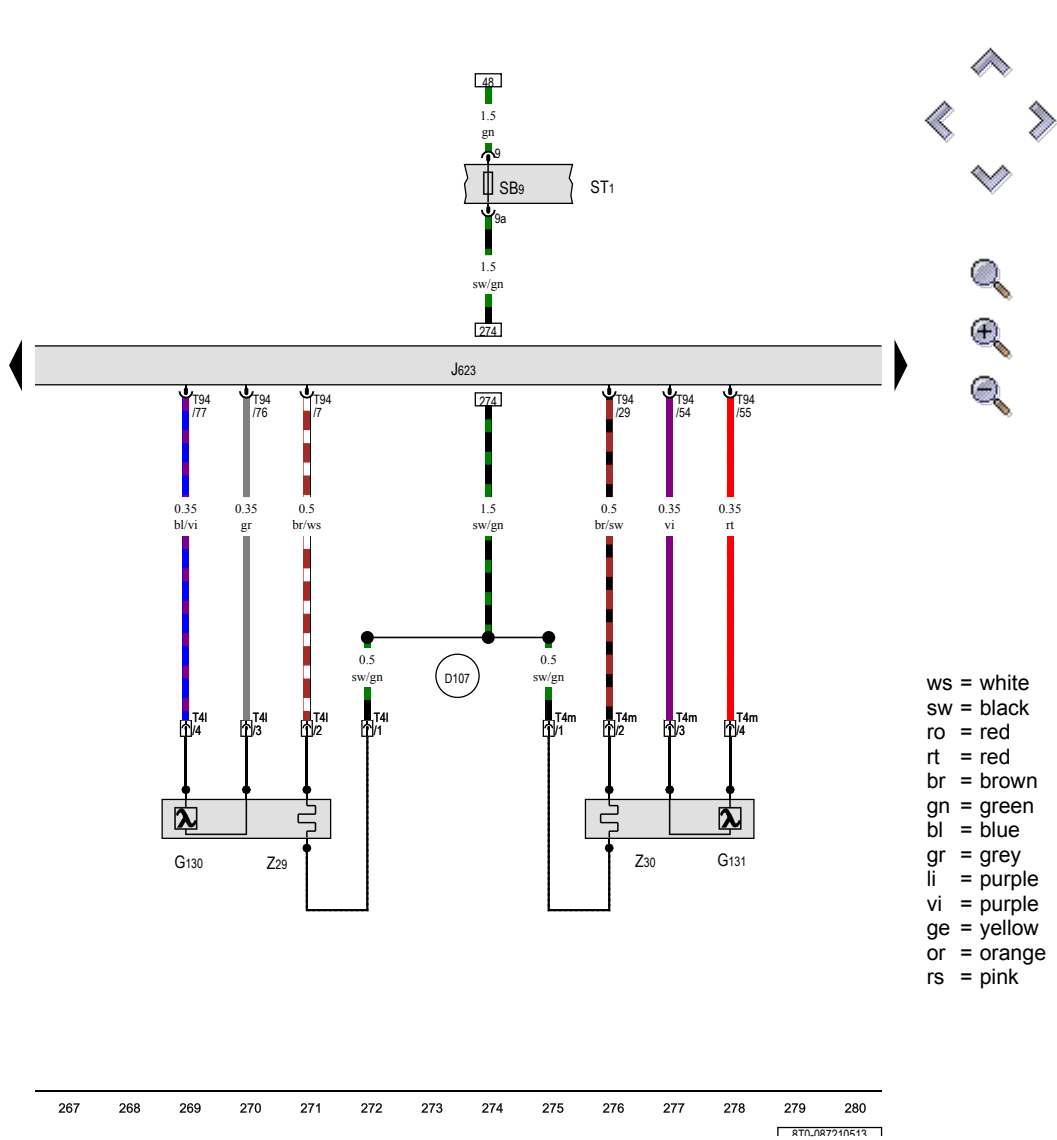


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Lambda probe, Lambda probe 2, Engine control unit

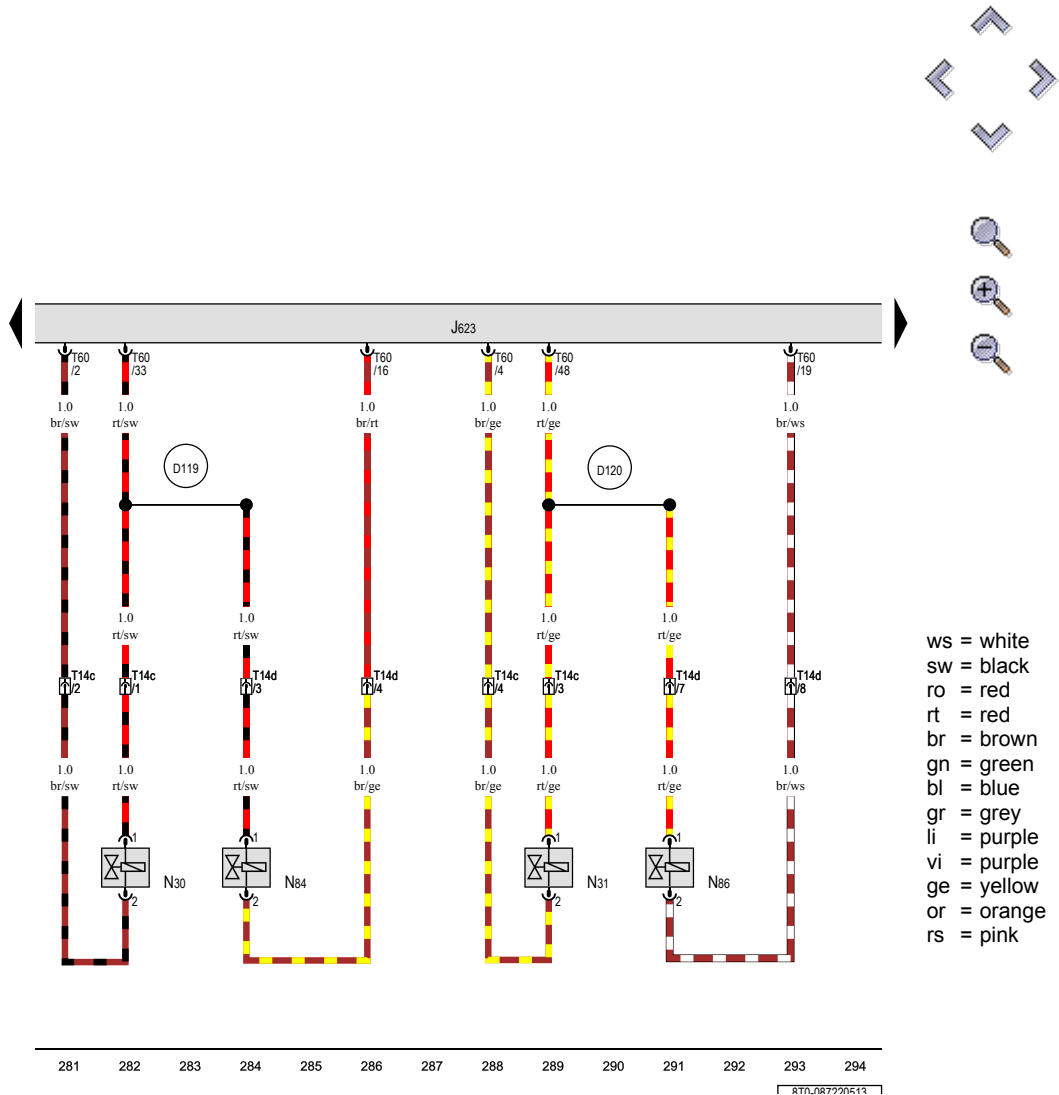
- G39 - Lambda probe
- G108 - Lambda probe 2
- J623 - Engine control unit
- ST1 - Fuse carrier 1
- SB10 - Fuse 10 on fuse holder B
- T6ab - 6-pin connector, black
- T6ac - 6-pin connector, black
- T94 - 94-pin connector
- Z19 - Lambda probe heater
- Z28 - Lambda probe heater 2
- D106 - Connection 4 in engine compartment wiring harness





- Lambda probe after catalytic converter, Lambda probe 2 after catalytic converter,**
- Engine control unit**
- G130 - Lambda probe after catalytic converter
 - G131 - Lambda probe 2 after catalytic converter
 - J623 - Engine control unit
 - ST1 - Fuse carrier 1
 - SB9 - Fuse 9 on fuse holder B
 - T4l - 4-pin connector, black
 - T4m - 4-pin connector, brown
 - T94 - 94-pin connector
 - Z29 - Lambda probe 1 heater after catalytic converter
 - Z30 - Lambda probe 2 heater after catalytic converter
 - D107 - Connection 5 in engine compartment wiring harness

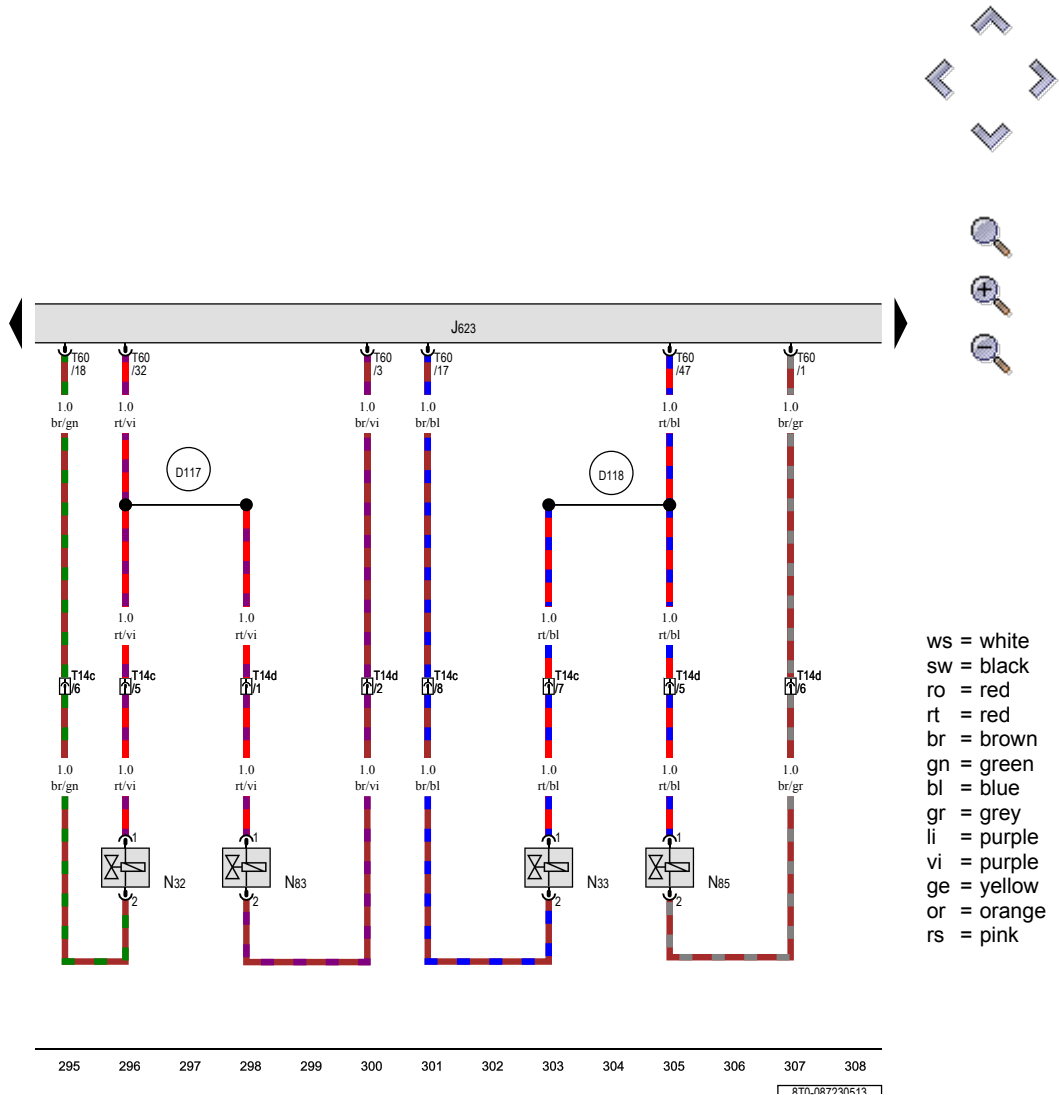
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 6, Injector, cylinder 8

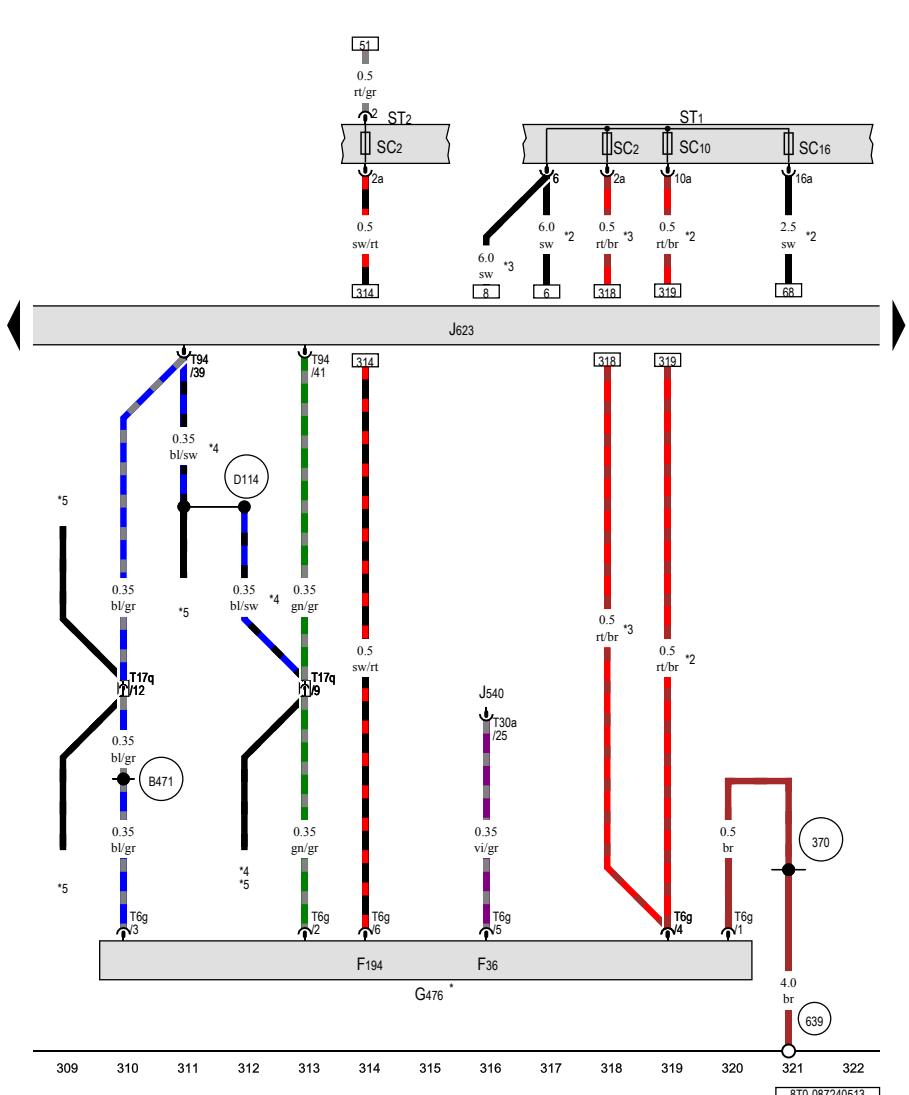
- J623 - Engine control unit 
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N84 - Injector, cylinder 6
- N86 - Injector, cylinder 8
- T14c - 14-pin connector, in engine compartment
- T14d - 14-pin connector, in engine compartment
- T60 - 60-pin connector 
- D119 - Connection 17 in engine compartment wiring harness
- D120 - Connection 18 in engine compartment wiring harness



Engine control unit, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Injector, cylinder 7

- J623 - Engine control unit 
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N83 - Injector, cylinder 5
- N85 - Injector, cylinder 7
- T14c - 14-pin connector, in engine compartment
- T14d - 14-pin connector, in engine compartment
- T60 - 60-pin connector 
- D117 - Connection 15 in engine compartment wiring harness
- D118 - Connection 16 in engine compartment wiring harness

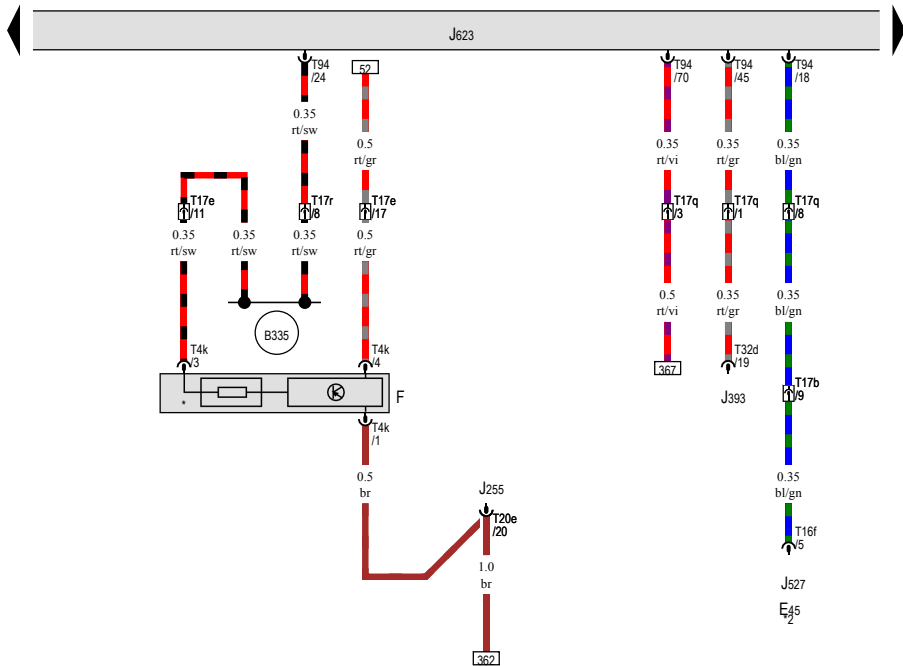




ws = white
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bl = blue
gr = grey
li = purple
vi = purple
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rs = pink












Clutch position sender, Engine control unit

- F36 - Clutch pedal switch
- F194 - Clutch pedal switch for engine start
- G476 - Clutch position sender
- J540 - Control unit for electromechanical parking brake
- J623 - Engine control unit
- ST1 - Fuse carrier 1
- ST2 - Fuse carrier 2
- SC2 - Fuse 2 on fuse holder C
- SC10 - Fuse 10 on fuse holder C
- SC16 - Fuse 16 on fuse holder C
- T6g - 6-pin connector
- T17q - 17-pin connector, red
- T30a - 30-pin connector
- T94 - 94-pin connector
- 370 - Earth connection 5, in main wiring harness
- 639 - Earth point, left A-pillar
- B471 - Connection 7, in main wiring harness
- D114 - Connection 12 in engine compartment wiring harness
- * - Only models with manual gearbox
- *2 - From May 2009
- *3 - Up to April 2009
- *4 - Only models with automatic gearbox
- *5 - see applicable current flow diagram for automatic gearbox



ws = white
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Brake light switch, Engine control unit

- E45 - Cruise control system switch
- F - Brake light switch
- J255 - Climatronic control unit 
- J393 - Convenience system central control unit 
- J527 - Steering column electronics control unit 
- J623 - Engine control unit 
- T4k - 4-pin connector
- T16f - 16-pin connector
- T17b - 17-pin connector, blue 
- T17e - 17-pin connector, red 
- T17q - 17-pin connector, red 
- T17r - 17-pin connector, white 
- T20e - 20-pin connector 
- T32d - 32-pin connector 
- T94 - 94-pin connector 
- B335 - Connection 1 (54), in main wiring harness
- * - Solenoid coil for brake light sensor
- *2 - Only models with cruise control system (CCS)


Automatic gearbox control unit, Data bus diagnostic interface, Engine control unit

- J217


- Automatic gearbox control unit


- J533


- Data bus diagnostic interface


- J623


- Engine control unit


- T17b


- 17-pin connector, blue


- T17r


- 17-pin connector, white


- T20d

- 20-pin connector


- T94

- 94-pin connector


- B383

- Connection 1 (powertrain CAN bus, high), in main wiring harness
- B385

- Connection 3 (powertrain CAN bus, high), in main wiring harness
- B390

- Connection 1 (powertrain CAN bus, low), in main wiring harness
- B392

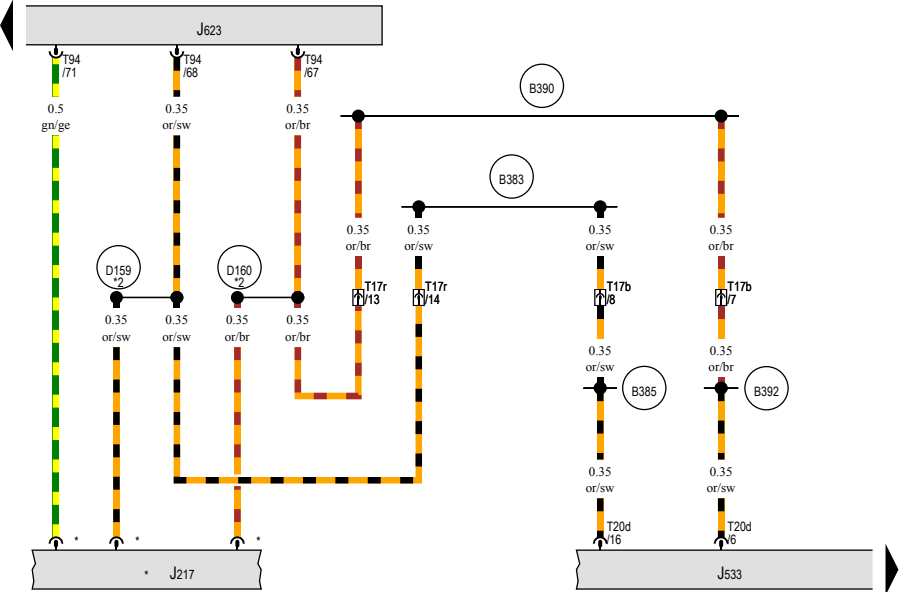
- Connection 3 (powertrain CAN bus, low), in main wiring harness
- D159

- Connection (high bus), in engine compartment wiring harness
- D160

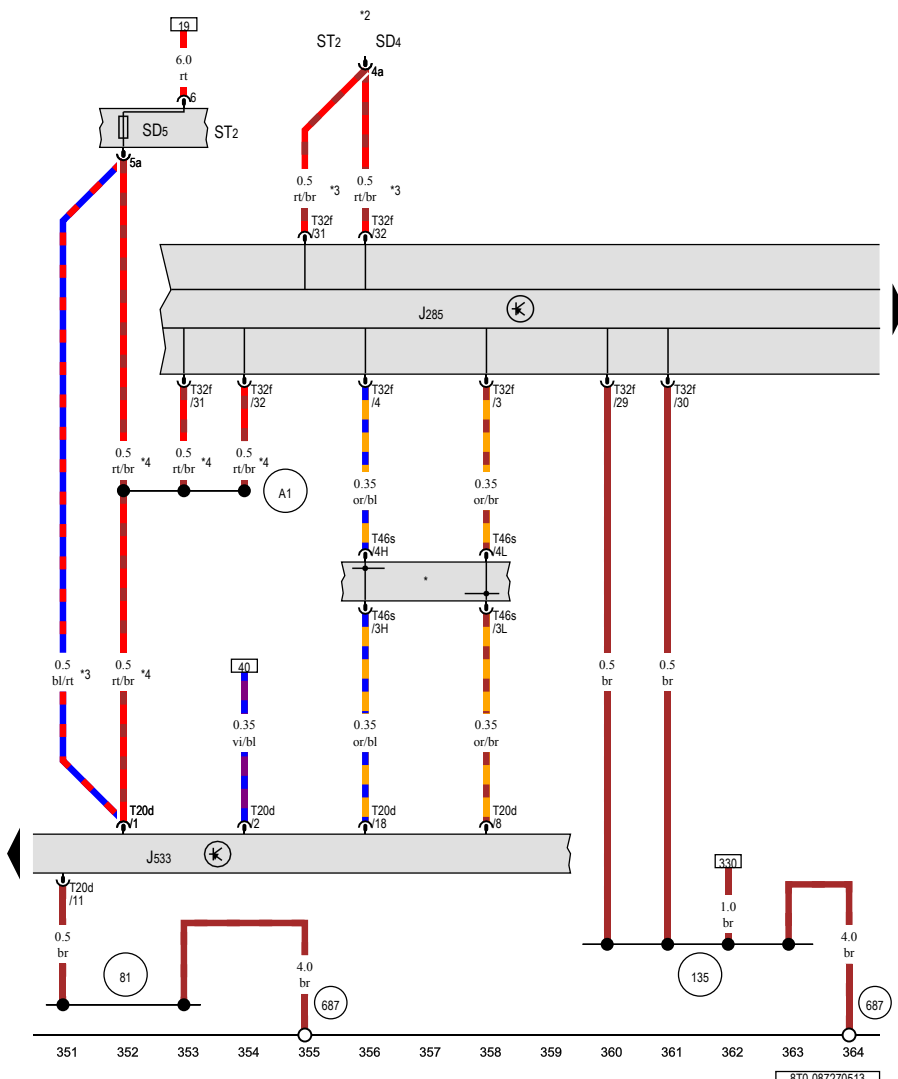
- Connection (low bus), in engine compartment wiring harness
- *

- see applicable current flow diagram for automatic gearbox
- *2

- Only models with automatic gearbox



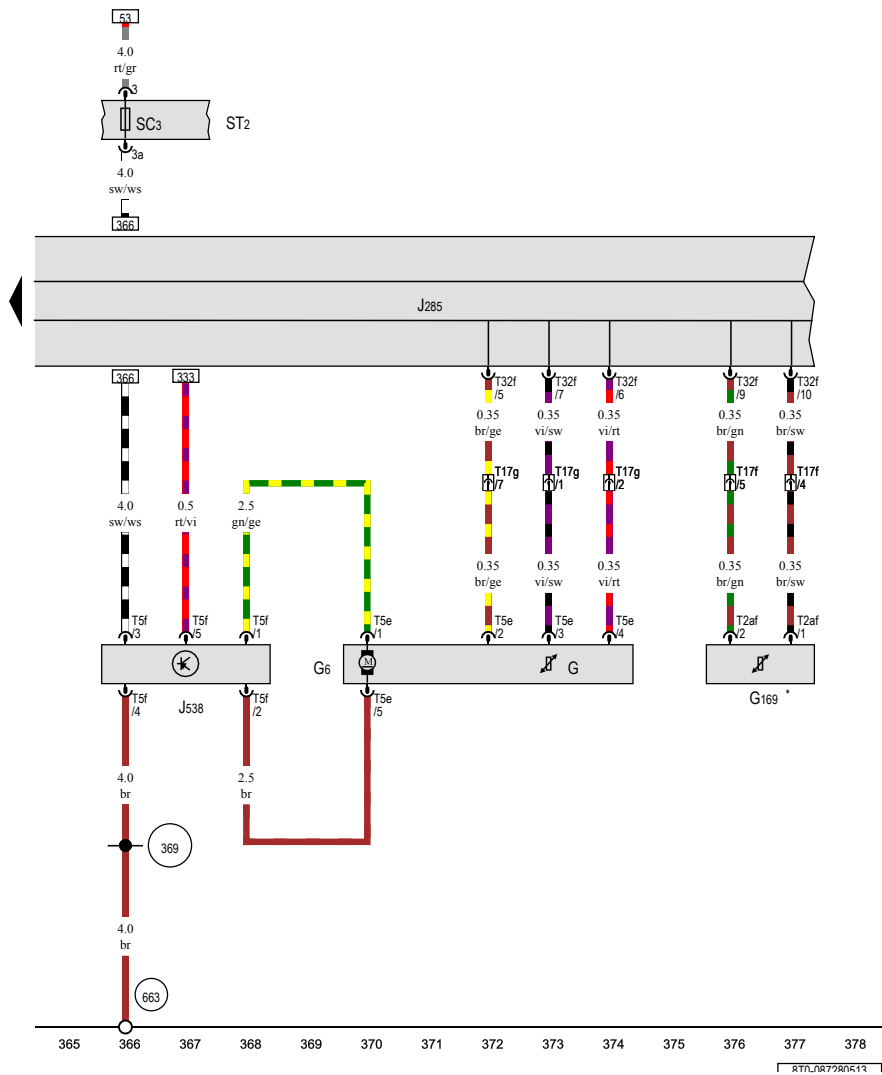
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Control unit in dash panel insert, Data bus diagnostic interface

- J285 - Control unit in dash panel insert
- J533 - Data bus diagnostic interface
- ST2 - Fuse carrier 2
- SD4 - Fuse 4 on fuse holder D
- SD5 - Fuse 5 on fuse holder D
- T20d - 20-pin connector
- T32f - 32-pin connector
- T46s - 46-pin connector
- 81 - Earth connection 1, in dash panel wiring harness
- 135 - Earth connection 2, in dash panel wiring harness
- 687 - Earth point 1, on centre tunnel
- A1 - Positive connection (30a), in dash panel wiring harness
- * - see applicable current flow diagram for CAN separating connector
- *2 - see applicable current flow diagram for fuse assignment
- *3 - From May 2009
- *4 - Up to April 2009



- Fuel gauge sender, Fuel system pressurisation pump, Fuel gauge sender 2, Control unit in dash panel insert, Fuel pump control unit
- G - Fuel gauge sender
 - G6 - Fuel system pressurisation pump
 - G169 - Fuel gauge sender 2
 - J285 - Control unit in dash panel insert
 - J538 - Fuel pump control unit
 - ST2 - Fuse carrier 2
 - SC3 - Fuse 3 on fuse holder C
 - T2af - 2-pin connector
 - T5e - 5-pin connector
 - T5f - 5-pin connector
 - T17f - 17-pin connector, brown
 - T17g - 17-pin connector, black
 - T32f - 32-pin connector
 - 369 - Earth connection 4, in main wiring harness
 - 663 - Earth point, rear right side panel
 - * - Only models with all-wheel drive

- Oil pressure switch, Gear detector switch, Coolant shortage indicator sender, Onboard supply control unit, Servotronic solenoid valve, Air conditioner compressor regulating valve
- F22

- Oil pressure switch
- F208

- Gear detector switch
- G32

- Coolant shortage indicator sender
- J519

- Onboard supply control unit
- N119

- Servotronic solenoid valve
- N280

- Air conditioner compressor regulating valve
- T2t

- 2-pin connector
- T14d

- 14-pin connector, in engine compartment
- T17l

- 17-pin connector
- T17q

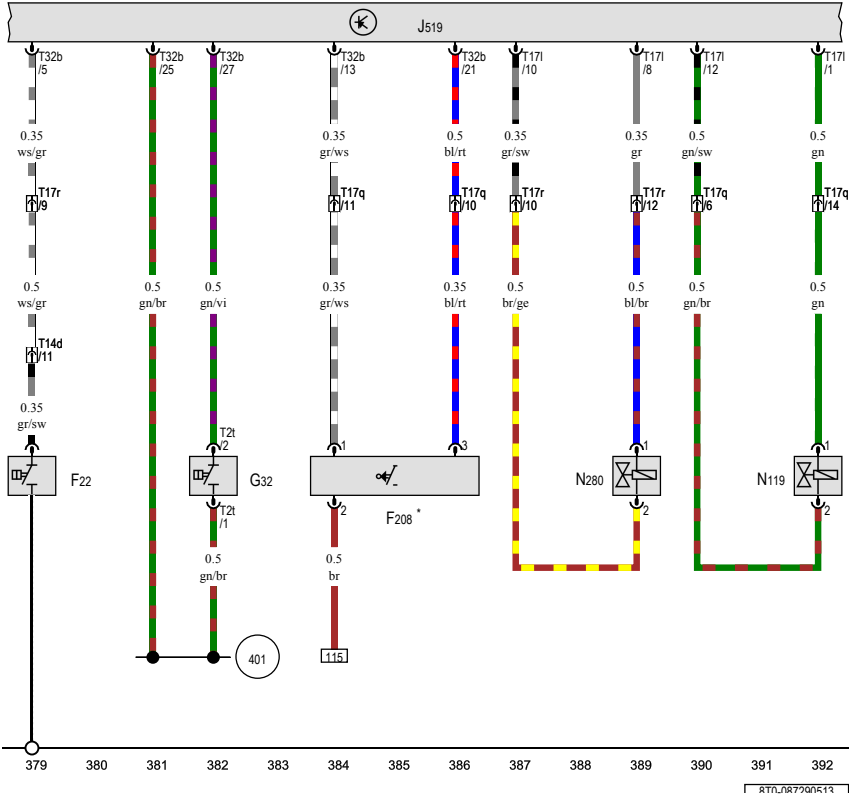
- 17-pin connector, red
- T17r

- 17-pin connector, white
- T32b

- 32-pin connector
- 401

- Earth connection (sender earth), in interior wiring harness
- *

- Only models with manual gearbox



ws = white
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gn = green
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