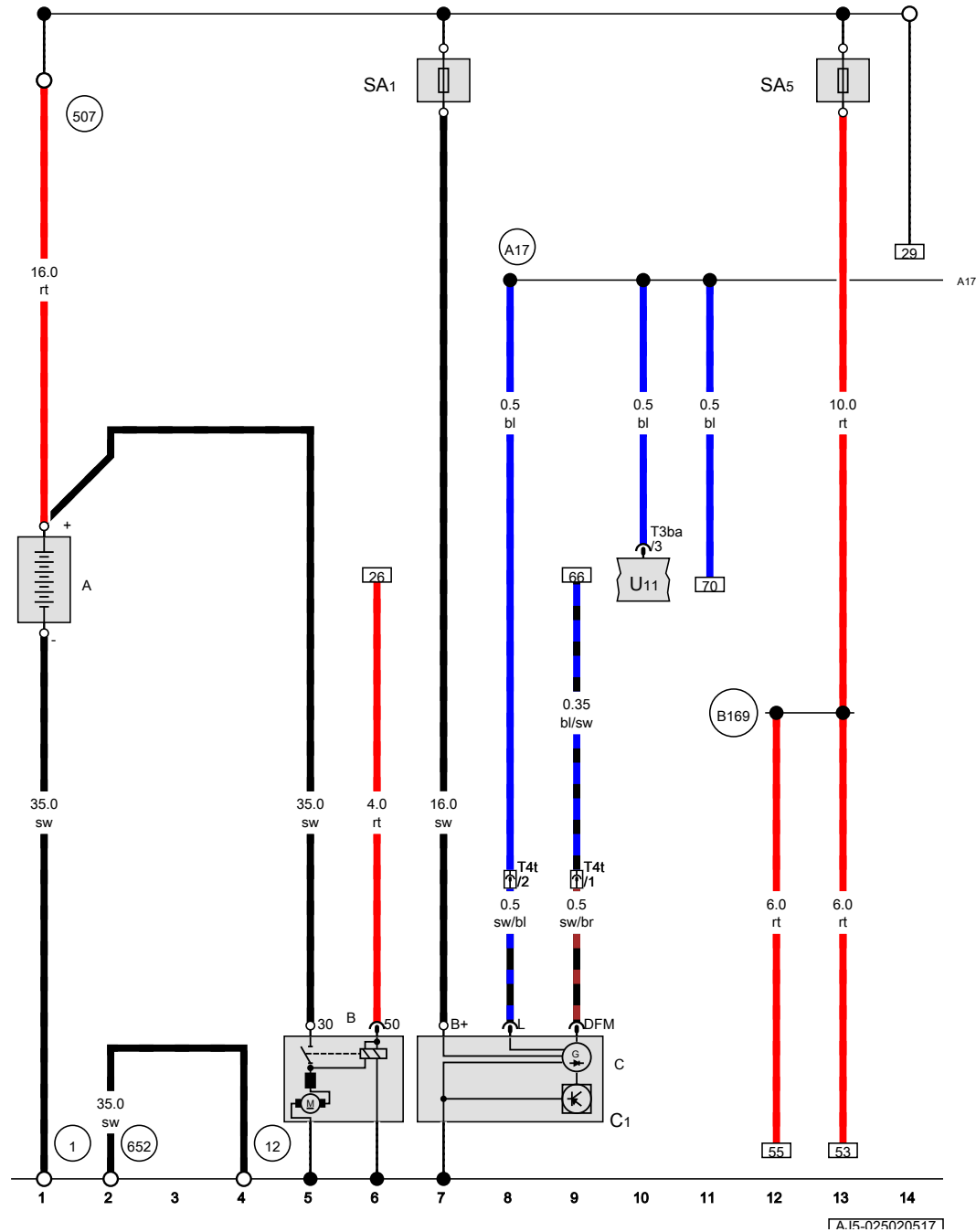


2.0L Diesel Engine , CJAA

From July 2009

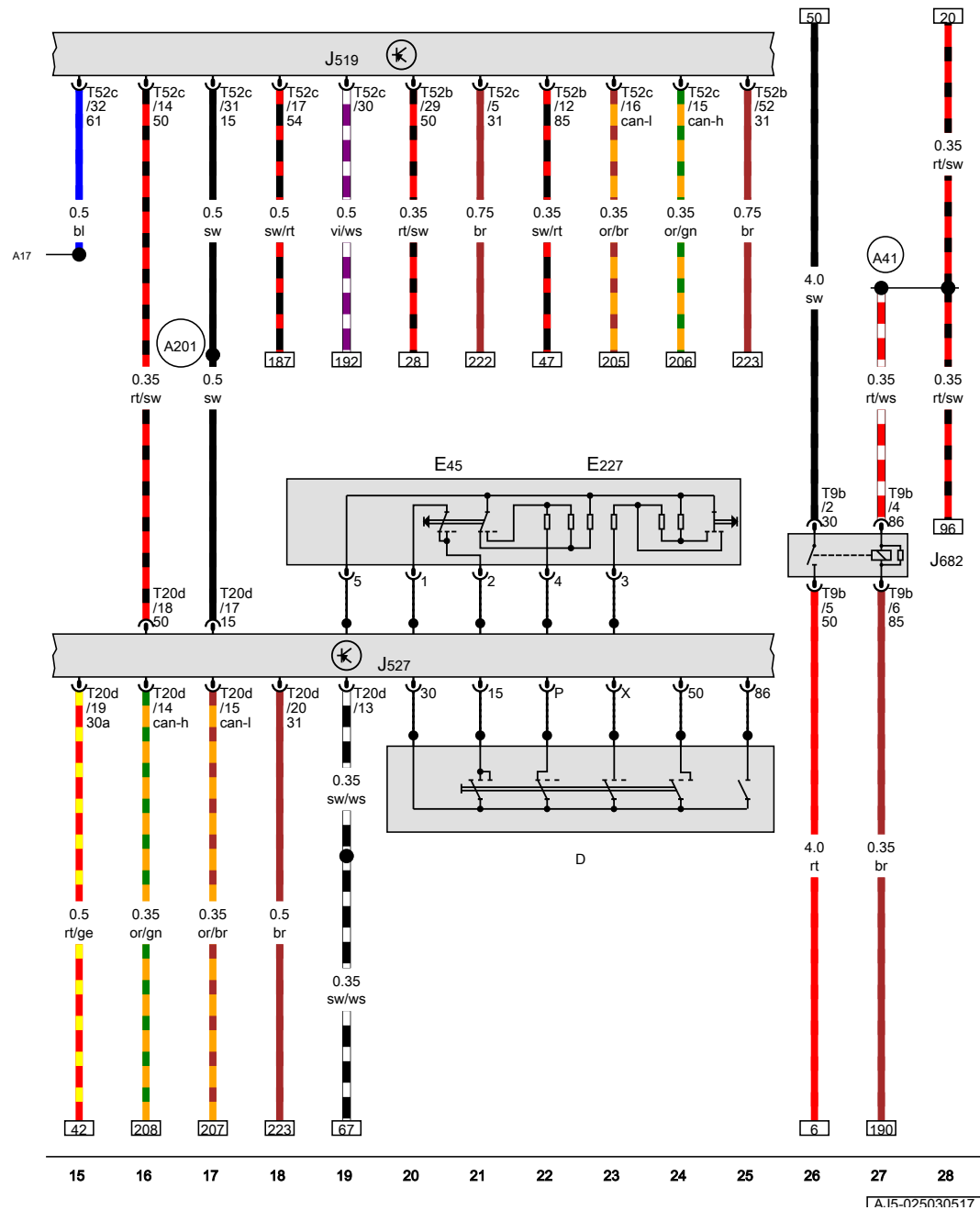


Battery, Starter, Generator, Voltage Regulator, Fuse 1 (On Fuse Panel A), Fuse 5 (On Fuse Panel A)

- | | |
|------|-----------------------------------|
| A | Battery |
| B | Starter |
| C | Generator |
| C1 | Voltage Regulator |
| SA1 | Fuse 1 (On Fuse Panel A) |
| SA5 | Fuse 5 (On Fuse Panel A) |
| T3ba | 3-Pin Connector |
| T4t | 4-Pin Connector, Near the Starter |
| U11 | Interior Socket, 230 V, 110 V |

- 1 Ground Strap, Battery to Body
- 12 Ground Connection in Engine Compartment, Left
- 507 Terminal 30 Threaded Connection (On Battery Fuse Holder)
- 652 Transmission/Engine Ground Connection
- A17 Connection 61 (in Instrument Panel Wiring Harness)
- B169 Positive Connection 1 (30) (in Interior Wiring Harness)

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



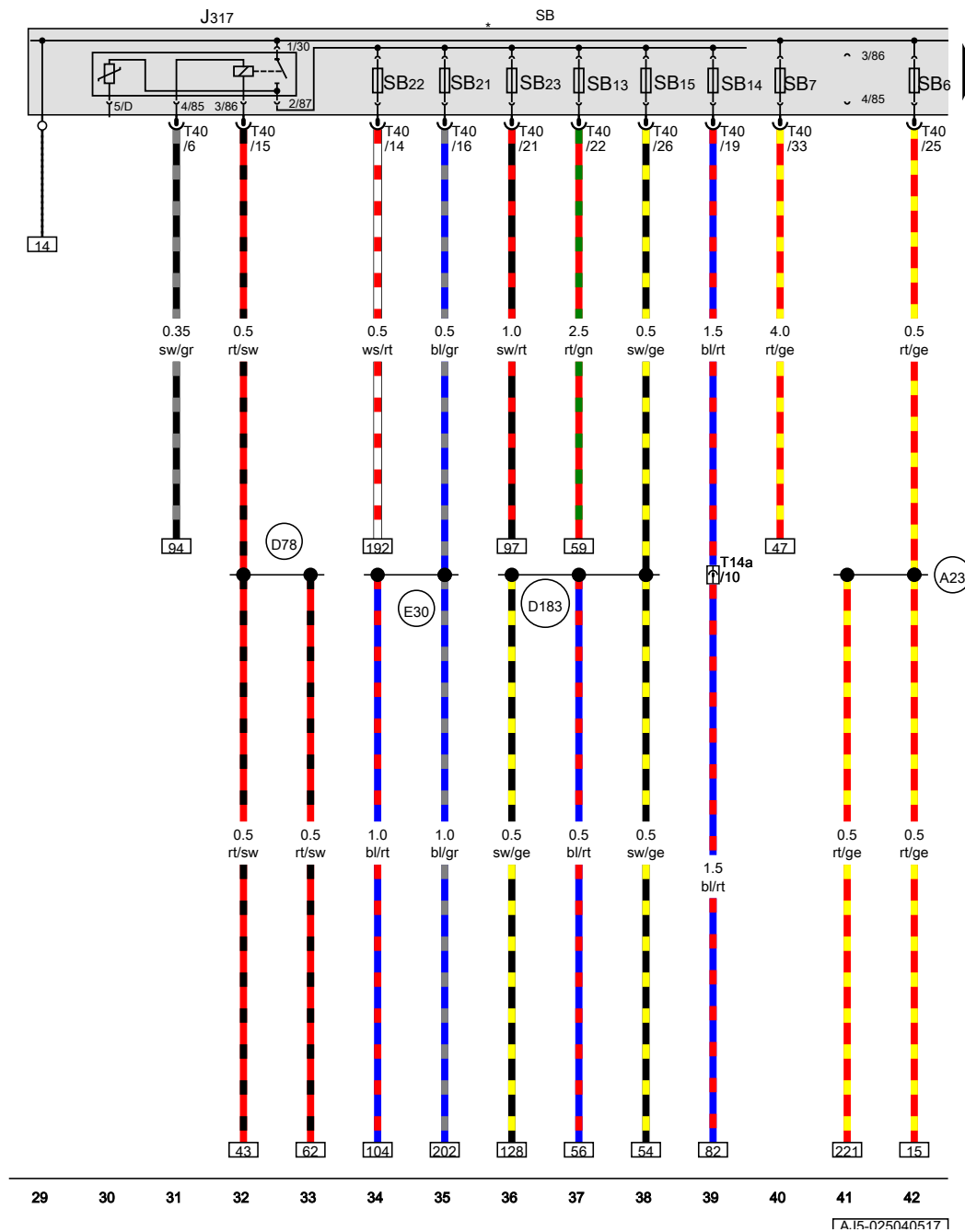
Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Terminal 50 Power Supply Relay

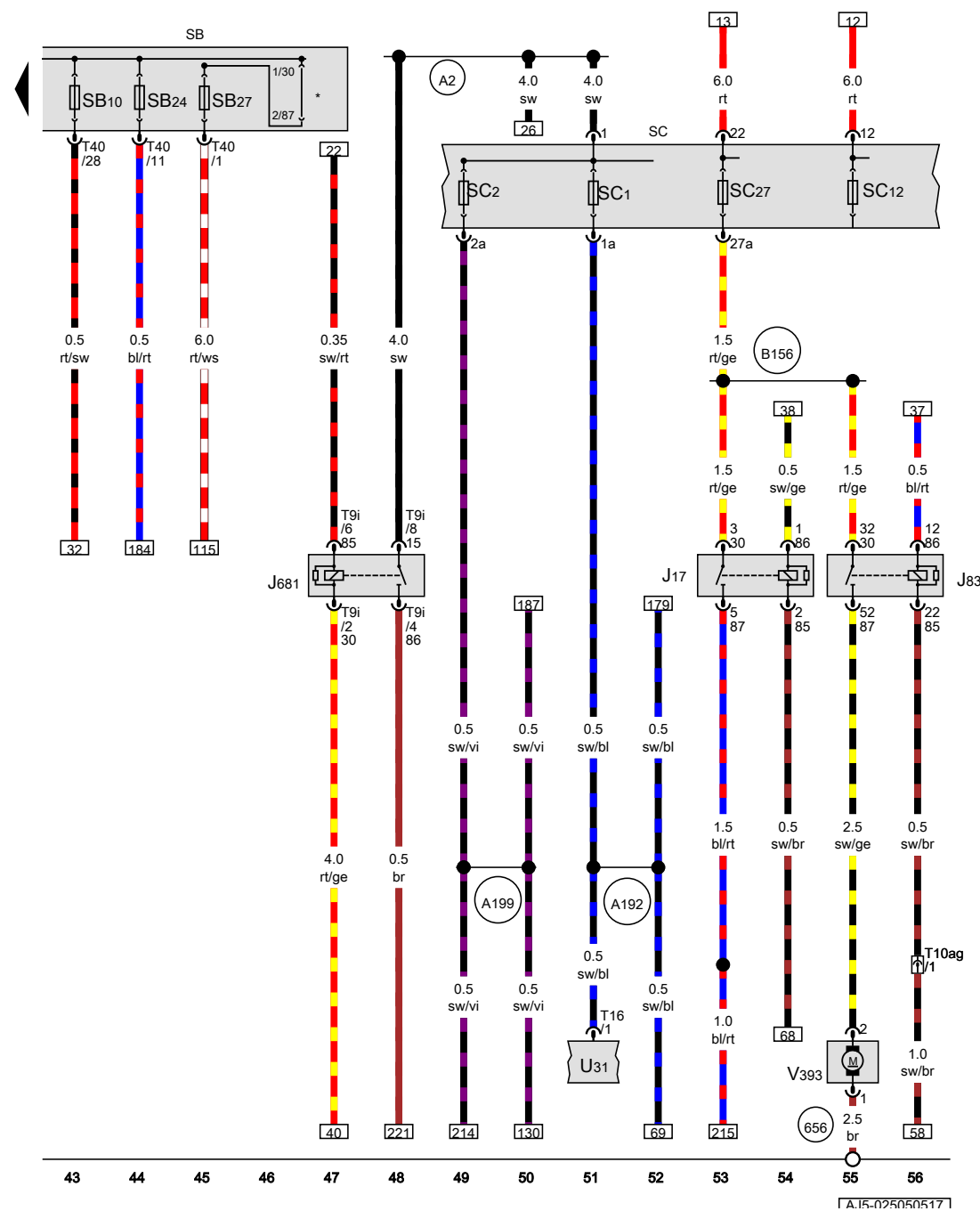
- D Ignition/Starter Switch
- E45 Cruise Control Switch
- E227 Cruise Control -Set- Button
- J519 Vehicle Electrical System Control Module
- J527 Steering Column Electronics Control Module
- J682 Terminal 50 Power Supply Relay
- T9b 9-Pin Connector
- T20d 20-Pin Connector
- T52b 52-Pin Connector
- T52c 52-Pin Connector
- A17 Connection 61 (in Instrument Panel Wiring Harness)
- A41 Positive Connection (50) (in Instrument Panel Wiring Harness)
- A201 Positive Connection 6 (15a) (in Instrument Panel Wiring Harness)

Terminal 30 Power Supply Relay, Fuse Panel B

- J317 Terminal 30 Power Supply Relay
- SB Fuse Panel B
- SB6 Fuse 6 (On Fuse Panel B)
- SB7 Fuse 7 (On Fuse Panel B)
- SB13 Fuse 13 (On Fuse Panel B)
- SB14 Fuse 14 (On Fuse Panel B)
- SB15 Fuse 15 (On Fuse Panel B)
- SB21 Fuse 21 (On Fuse Panel B)
- SB22 Fuse 22 (On Fuse Panel B)
- SB23 Fuse 23 (On Fuse Panel B)
- T14a 14-Pin Connector
- T40 40-Pin Connector

- A23 Connection 30al (in Instrument Panel Wiring Harness)
- D78 Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
- D183 Connection 4 (87A) (in Engine Compartment Wiring Harness)
- E30 Connection 87A (in Engine Wiring Harness)
- * Contact Bridge, Only Vehicles with Diesel Engine





Fuel Pump Relay, Terminal 15 Power Supply Relay 2, Auxiliary Fuel Pump Relay, Fuse Panel B, Fuse Panel C, Auxiliary Fuel Pump

- J17 Fuel Pump Relay
- J681 Terminal 15 Power Supply Relay 2
- J832 Auxiliary Fuel Pump Relay
- SB Fuse Panel B
- SB10 Fuse 10 (On Fuse Panel B)
- SB24 Fuse 24 (On Fuse Panel B)
- SB27 Fuse 27 (On Fuse Panel B)
- SC Fuse Panel C
- SC1 Fuse 1 (On Fuse Panel C)
- SC2 Fuse 2 (On Fuse Panel C)
- SC12 Fuse 12 (On Fuse Panel C)
- SC27 Fuse 27 (On Fuse Panel C)
- T9i 9-Pin Connector
- T10ag 10-Pin Connector
- T16 16-Pin Connector
- T40 40-Pin Connector
- U31 Diagnostic Connection
- V393 Auxiliary Fuel Pump

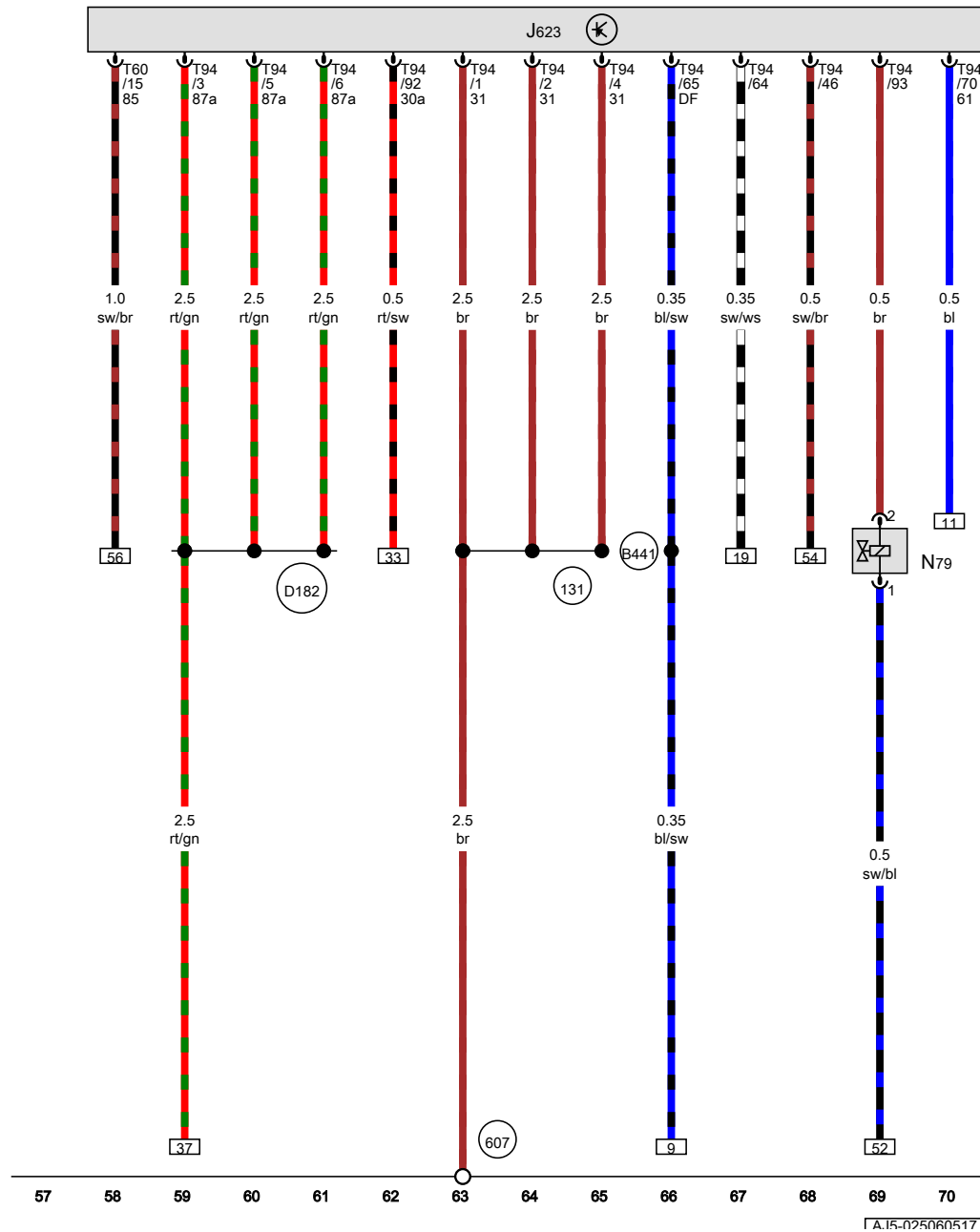
- 656 Ground Connection on Right Headlamp
- A2 Positive Connection (15) (in Instrument Panel Wiring Harness)
- A192 Positive Connection 3 (15a) (in Instrument Panel Wiring Harness)
- A199 Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
- B156 Positive Connection 30a (in Interior Wiring Harness)
- * Contact Bridge, Only Vehicles with Diesel Engine

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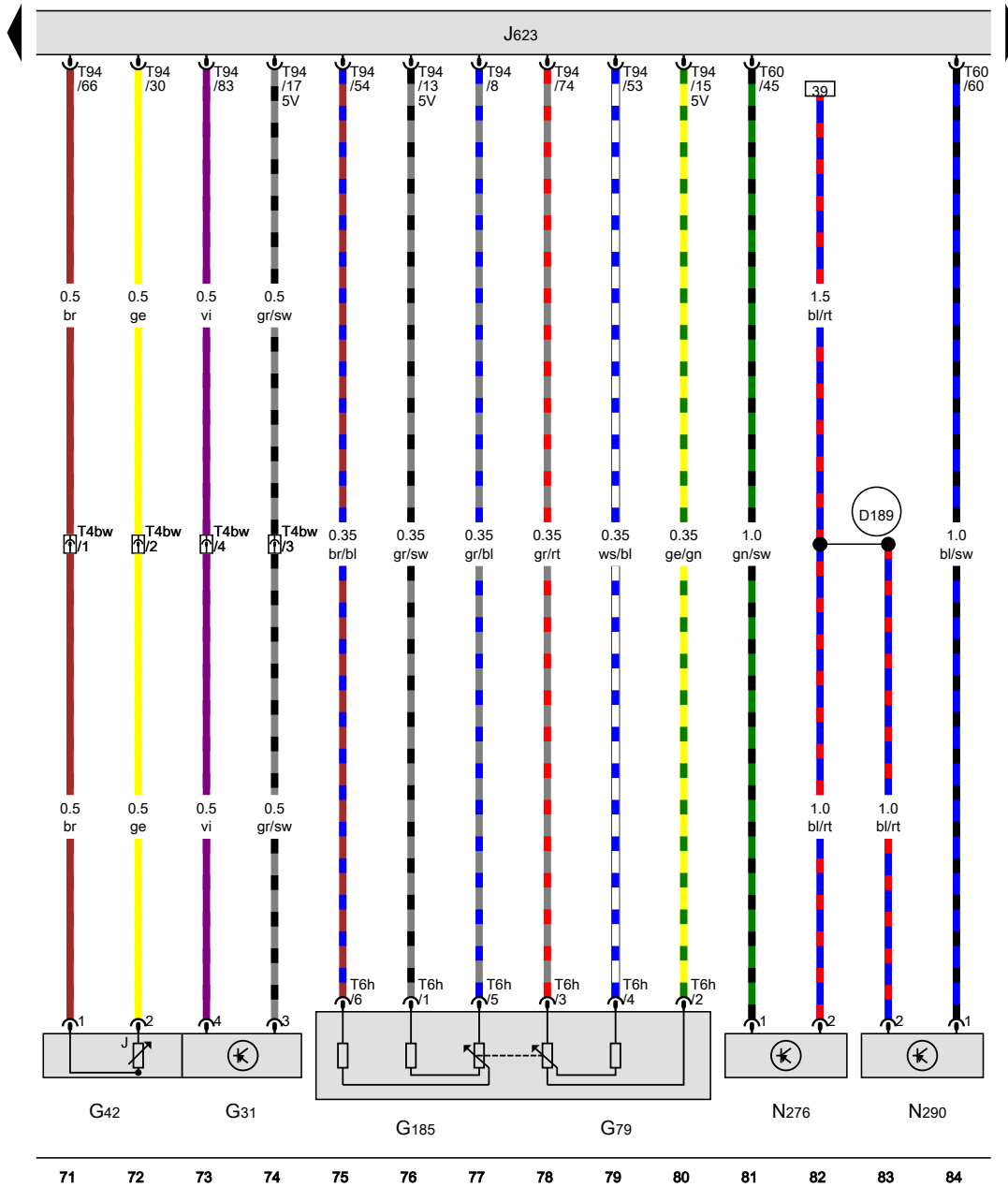
Engine Control Module, Positive Crankcase Ventilation Heating Element

J623 Engine Control Module
N79 Positive Crankcase Ventilation Heating Element
T60 60-Pin Connector
T94 94-Pin Connector

- (131) Ground Connection 2 (in Engine Compartment Wiring Harness)
- (607) Ground Connection in Plenum Chamber, Left
- (B441) Cruise Control Connection (in Main Wiring Harness)
- (D182) Connection 3 (87A) (in Engine Compartment Wiring Harness)



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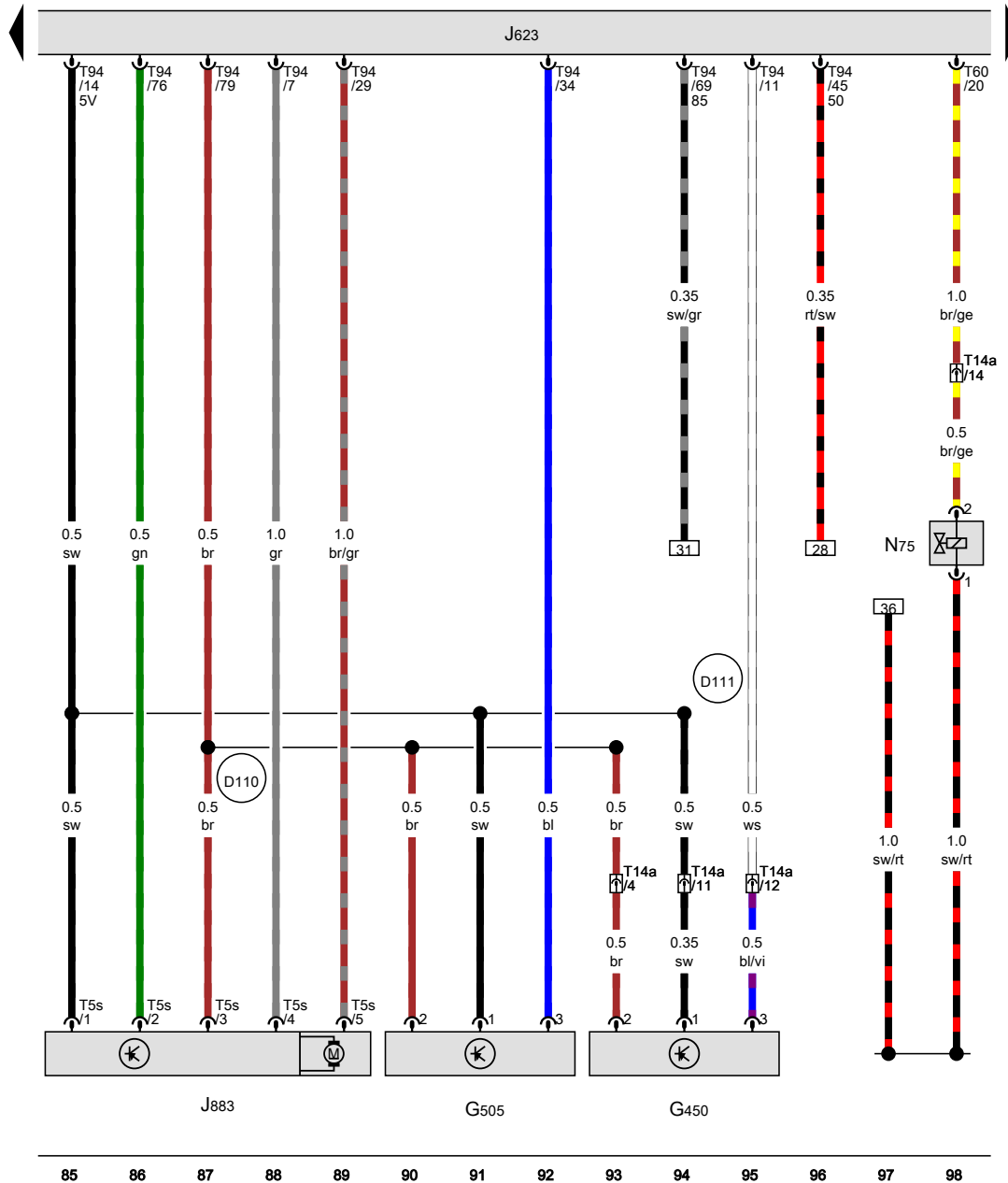


Charge Air Pressure Sensor, Intake Air Temperature Sensor, Accelerator Pedal Position Sensor, Accelerator Pedal Position Sensor 2, Engine Control Module, Fuel Pressure Regulator Valve, Fuel Metering Valve

- G31 Charge Air Pressure Sensor
- G42 Intake Air Temperature Sensor
- G79 Accelerator Pedal Position Sensor
- G185 Accelerator Pedal Position Sensor 2
- J623 Engine Control Module
- N276 Fuel Pressure Regulator Valve
- N290 Fuel Metering Valve
- T4bw 4-Pin Connector
- T6h 6-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector
- D189 Connection 87A (in Engine Pre-Wiring Harness)

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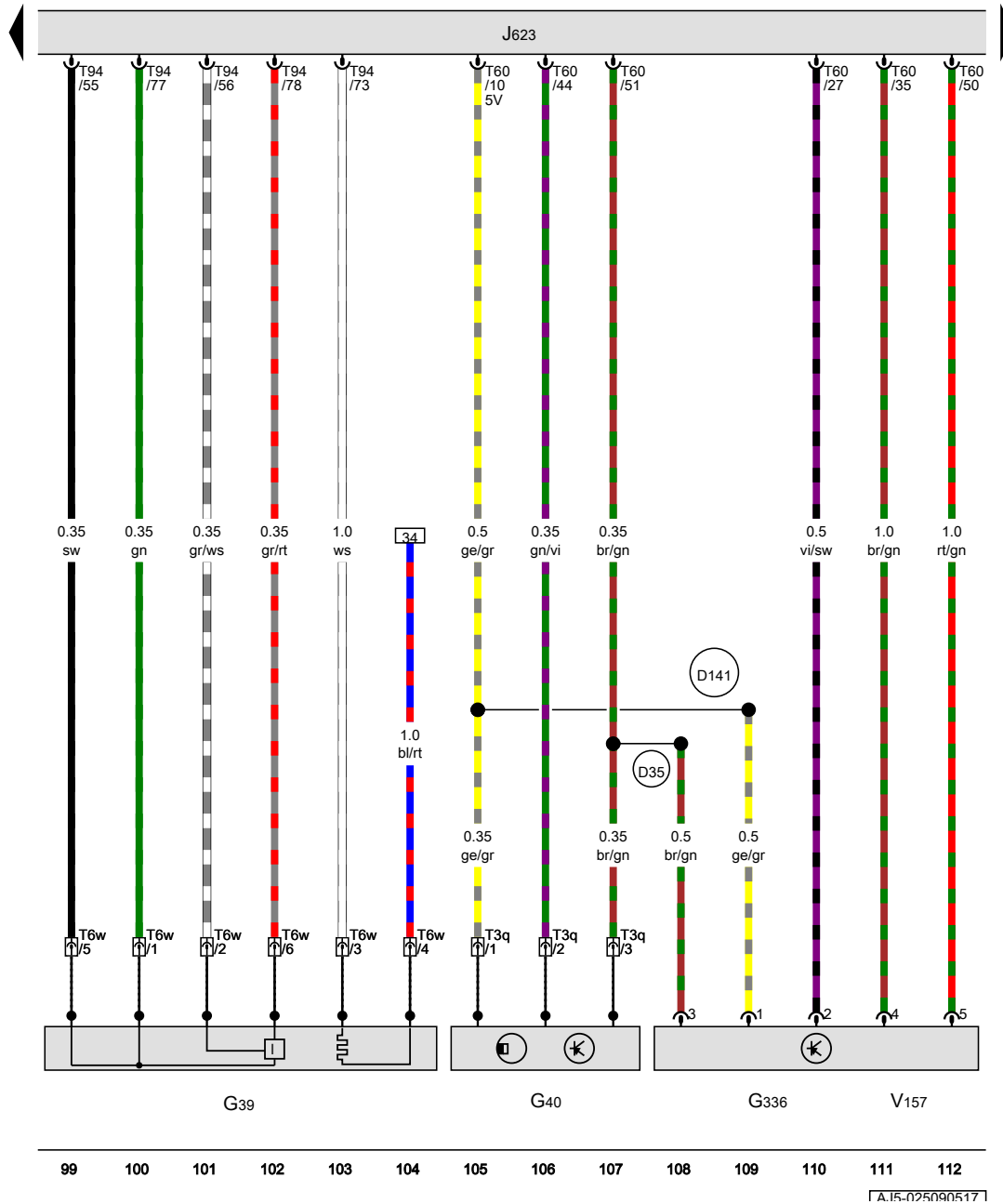


Exhaust Pressure Sensor 1, Differential Pressure Sensor, Engine Control Module, Exhaust Door Control Unit, Wastegate Bypass Regulator Valve

- G450 Exhaust Pressure Sensor 1
- G505 Differential Pressure Sensor
- J623 Engine Control Module
- J883 Exhaust Door Control Unit
- N75 Wastegate Bypass Regulator Valve
- T5s 5-Pin Connector
- T14a 14-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector

D110 Connection 8 (in Engine Compartment Wiring Harness)

D111 Connection 9 (in Engine Compartment Wiring Harness)



Heated Oxygen Sensor, Camshaft Position Sensor, Intake Manifold Runner Position Sensor, Engine Control Module, Intake Flap Motor

- G39 Heated Oxygen Sensor
- G40 Camshaft Position Sensor
- G336 Intake Manifold Runner Position Sensor
- J623 Engine Control Module
- T3q 3-Pin Connector
- T6w 6-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector
- V157 Intake Flap Motor

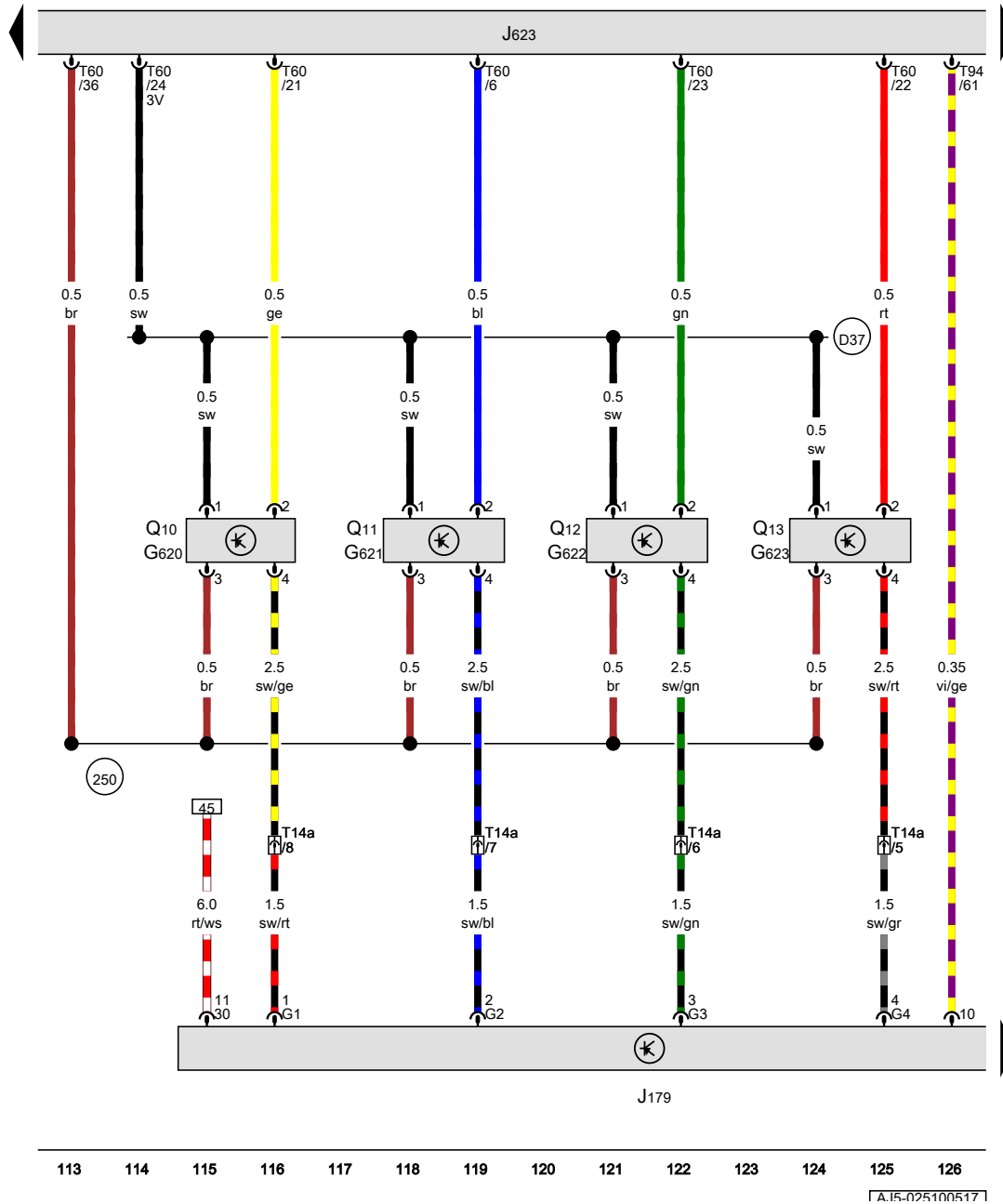
D35 Positive Connection 1 (15a) (in Engine Pre-Wiring Harness)

D141 Connection 5V (in Engine Pre-Wiring Harness)

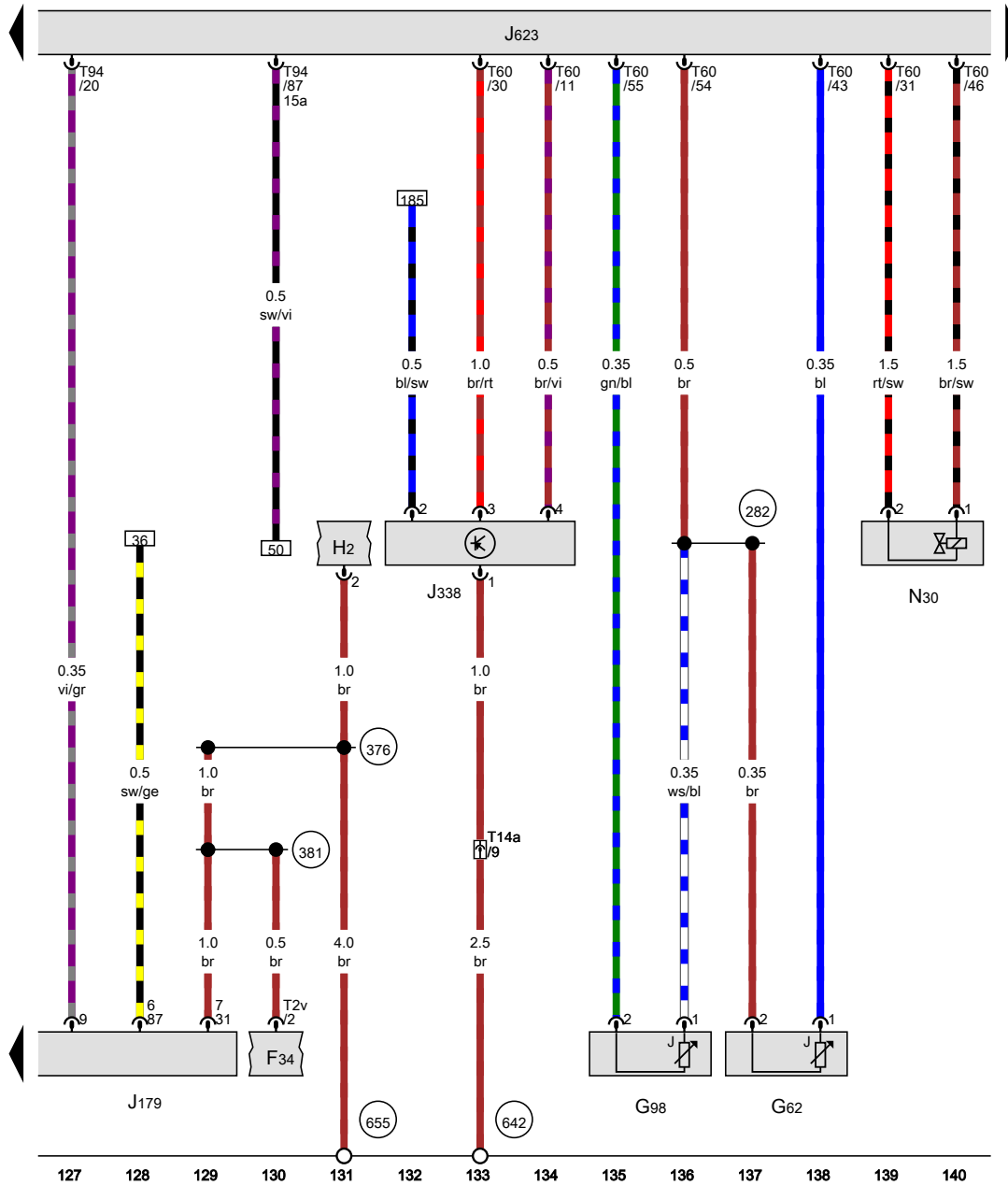
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[A.15-025090517]

Automatic Glow Time Control Module, Engine Control Module, Glow Plug 1, Glow Plug 2, Glow Plug 3, Glow Plug 4



- G620 Cylinder 1 Internal Pressure Sensor
- G621 Cylinder 2 Internal Pressure Sensor
- G622 Cylinder 3 Internal Pressure Sensor
- G623 Cylinder 4 Internal Pressure Sensor
- J179 Automatic Glow Time Control Module
- J623 Engine Control Module
- Q10 Glow Plug 1
- Q11 Glow Plug 2
- Q12 Glow Plug 3
- Q13 Glow Plug 4
- T14a 14-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector
- (250) Ground Connection (in Diesel Engine Pre-Wiring Harness)
- (D37) Glow Plug Connection (in Engine Pre-Wiring Harness)

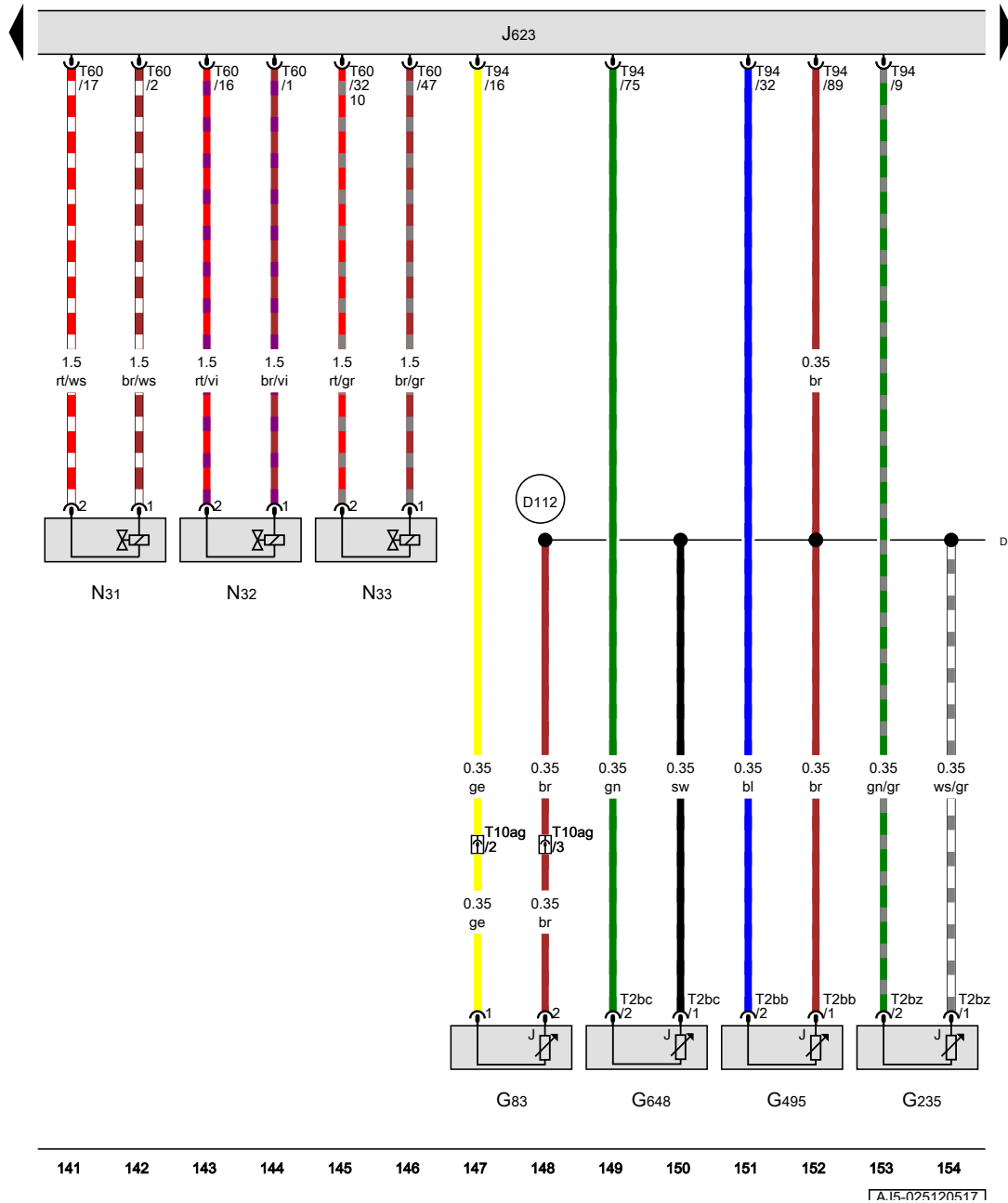


Brake Fluid Level Warning Switch, Engine Coolant Temperature Sensor, EGR Temperature Sensor, Automatic Glow Time Control Module, Throttle Valve Control Module, Engine Control Module, Cylinder 1 Fuel Injector

- F34 Brake Fluid Level Warning Switch
- G62 Engine Coolant Temperature Sensor
- G98 EGR Temperature Sensor
- H2 High Tone Horn
- J179 Automatic Glow Time Control Module
- J338 Throttle Valve Control Module
- J623 Engine Control Module
- N30 Cylinder 1 Fuel Injector
- T2v 2-Pin Connector
- T14a 14-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector
- 282 Ground Connection (in Headlamp Washer System Wiring Harness)
- 376 Ground Connection 11 (in Main Wiring Harness)
- 381 Ground Connection 16 (in Main Wiring Harness)
- 642 Electronic Fan Control Ground Connection
- 655 Ground Connection on Left Headlamp

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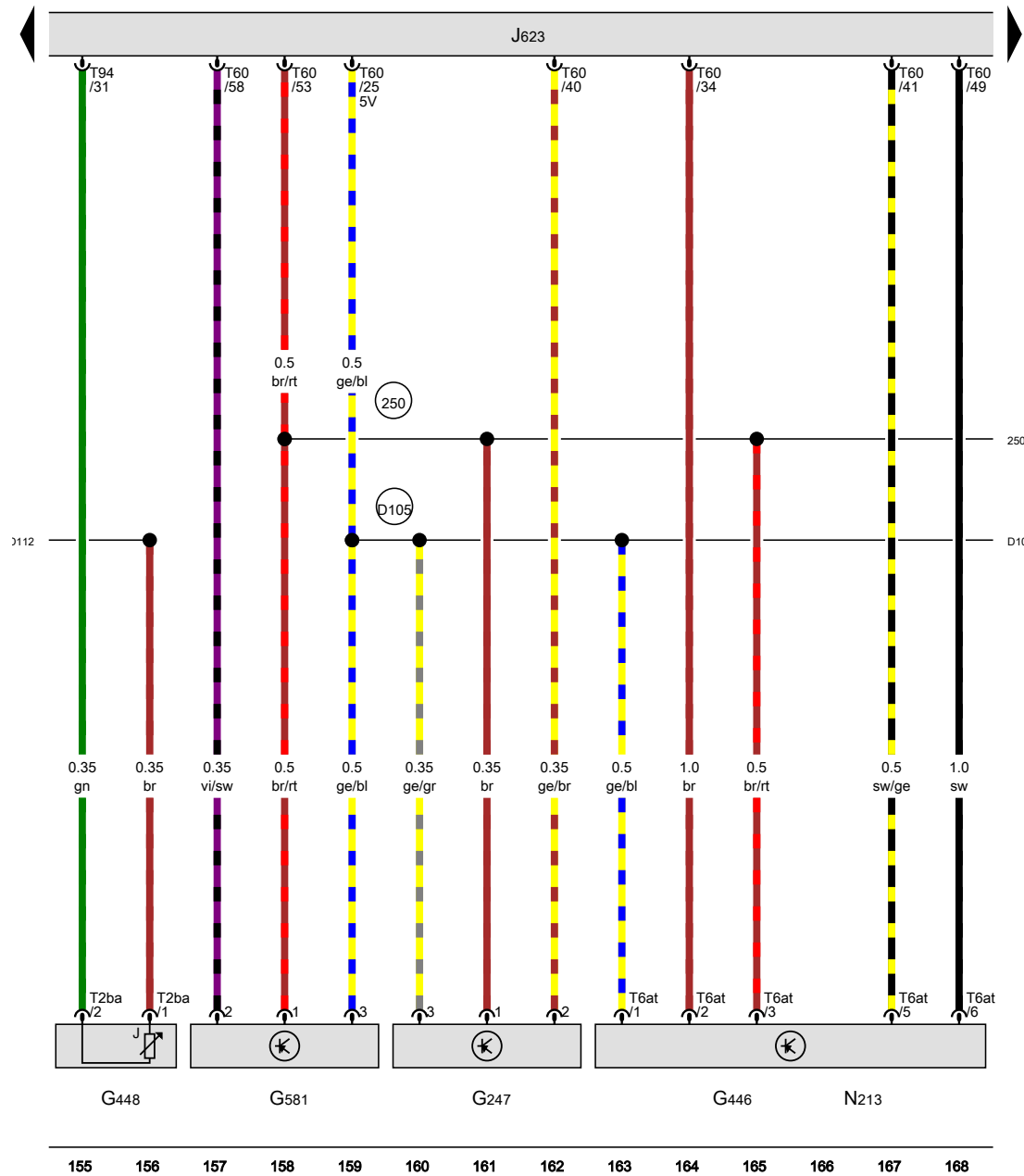


Engine Coolant Temperature Sensor on Radiator Outlet, Exhaust Gas Temperature Sensor 1, Exhaust Gas Temperature Sensor 3, Exhaust Gas Temperature Sensor 4, Engine Control Module, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector

- G83 Engine Coolant Temperature Sensor on Radiator Outlet
- G235 Exhaust Gas Temperature Sensor 1
- G495 Exhaust Gas Temperature Sensor 3
- G648 Exhaust Gas Temperature Sensor 4
- J623 Engine Control Module
- N31 Cylinder 2 Fuel Injector
- N32 Cylinder 3 Fuel Injector
- N33 Cylinder 4 Fuel Injector
- T2bb 2-Pin Connector
- T2bc 2-Pin Connector
- T2bz 2-Pin Connector
- T10ag 10-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector

D112 Connection 10 (in Engine Compartment Wiring Harness)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
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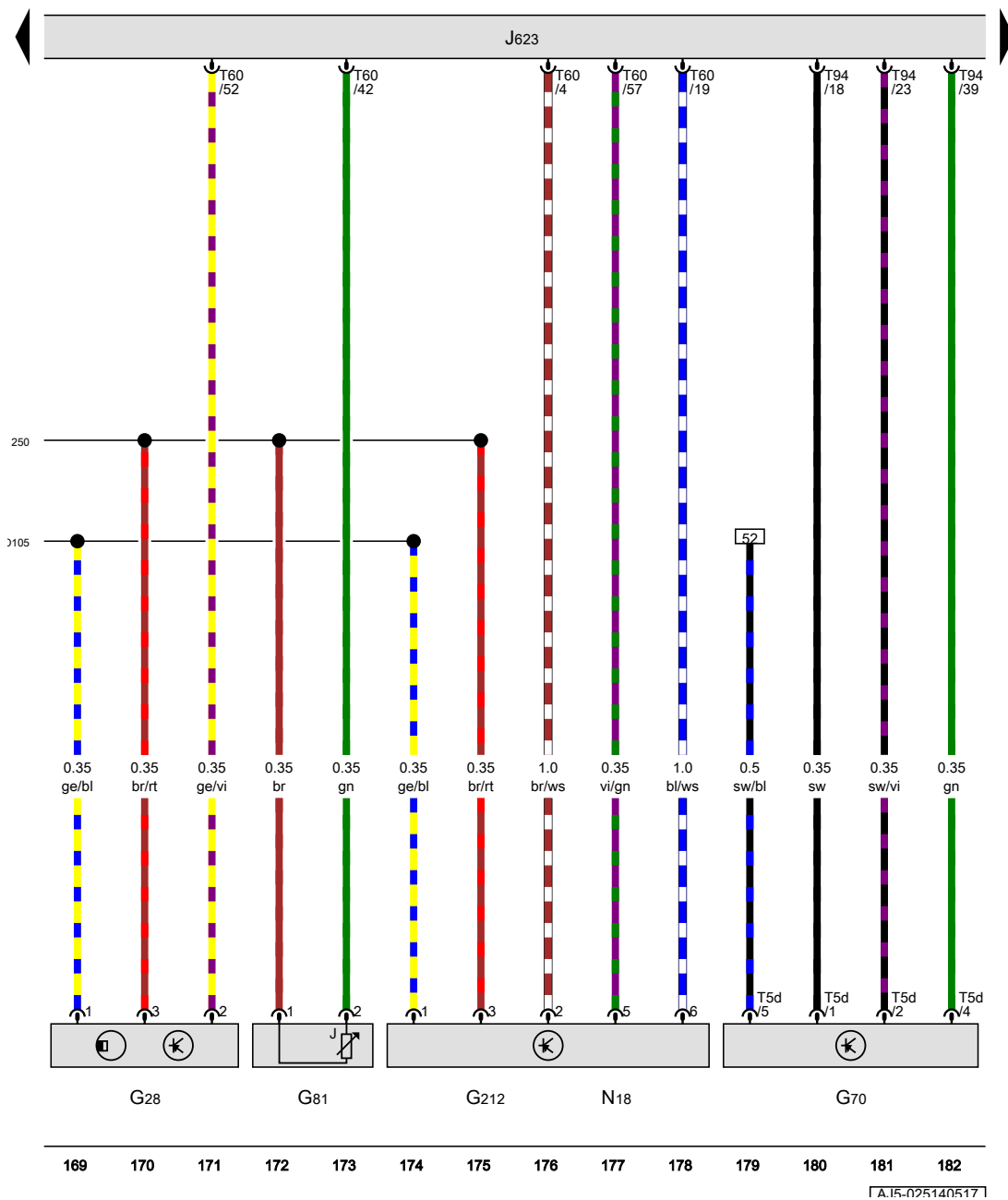
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gn = green
bl = blue
gr = grey
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Fuel Pressure Sensor, Fuel Quality Sensor, Exhaust Gas Temperature Sensor 2, Charge Air Pressure Actuator Position Sensor, Engine Control Module

- G247 Fuel Pressure Sensor
- G446 Fuel Quality Sensor
- G448 Exhaust Gas Temperature Sensor 2
- G581 Charge Air Pressure Actuator Position Sensor
- J623 Engine Control Module
- N213 Valve 2 for EGR
- T2ba 2-Pin Connector
- T6at 6-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector

- 250 Ground Connection (in Diesel Engine Pre-Wiring Harness)
- D105 Positive Connection 3 (58d) (in Engine Compartment Wiring Harness)
- D112 Connection 10 (in Engine Compartment Wiring Harness)

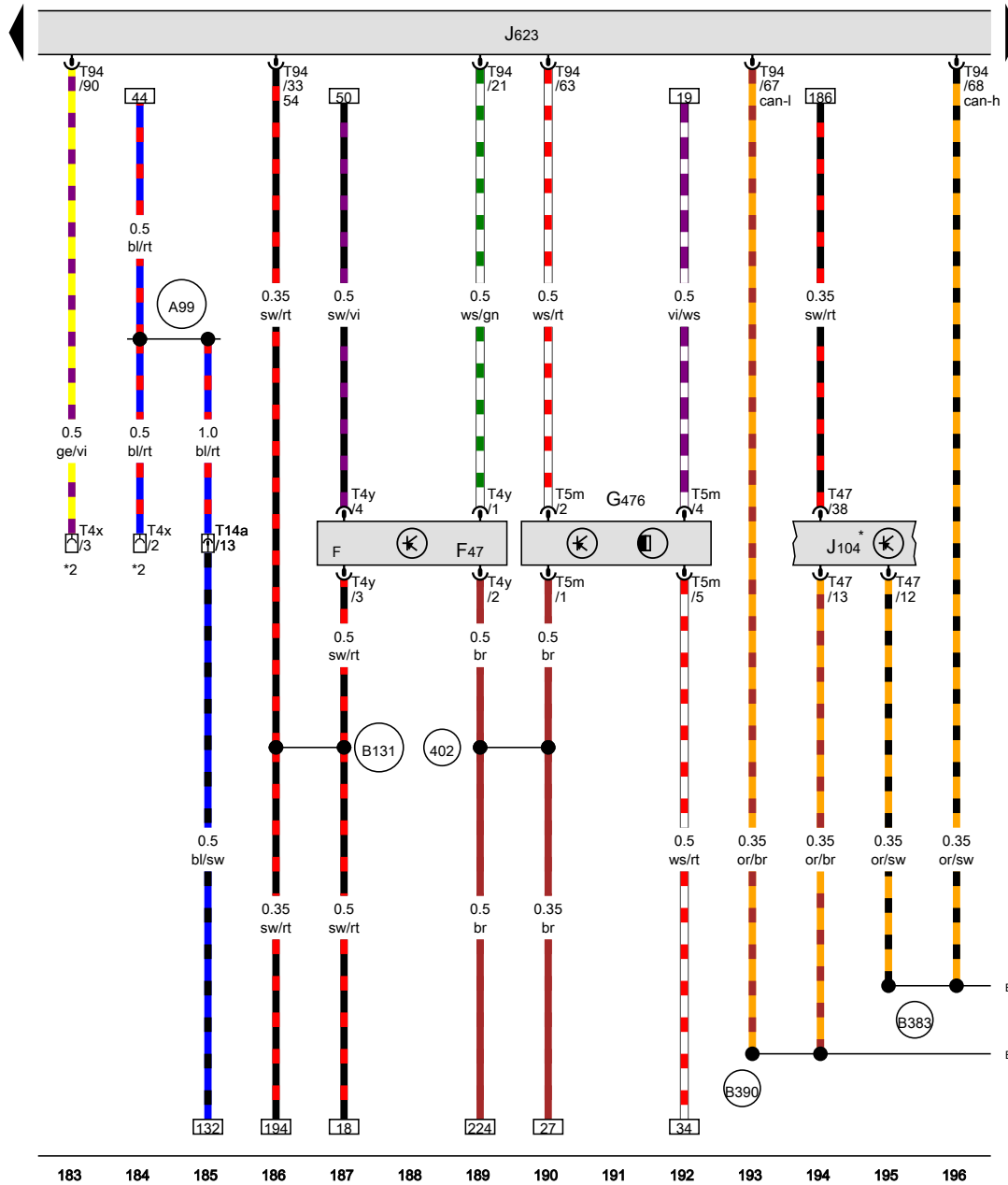


Engine Speed Sensor, Mass Airflow Sensor, Fuel Temperature Sensor, EGR Potentiometer, Engine Control Module, EGR Valve

- G28 Engine Speed Sensor
- G70 Mass Airflow Sensor
- G81 Fuel Temperature Sensor
- G212 EGR Potentiometer
- J623 Engine Control Module
- N18 EGR Valve
- T5d 5-Pin Connector
- T60 60-Pin Connector
- T94 94-Pin Connector

250 Ground Connection (in Diesel Engine Pre-Wiring Harness)

D105 Positive Connection 3 (58d) (in Engine Compartment Wiring Harness)



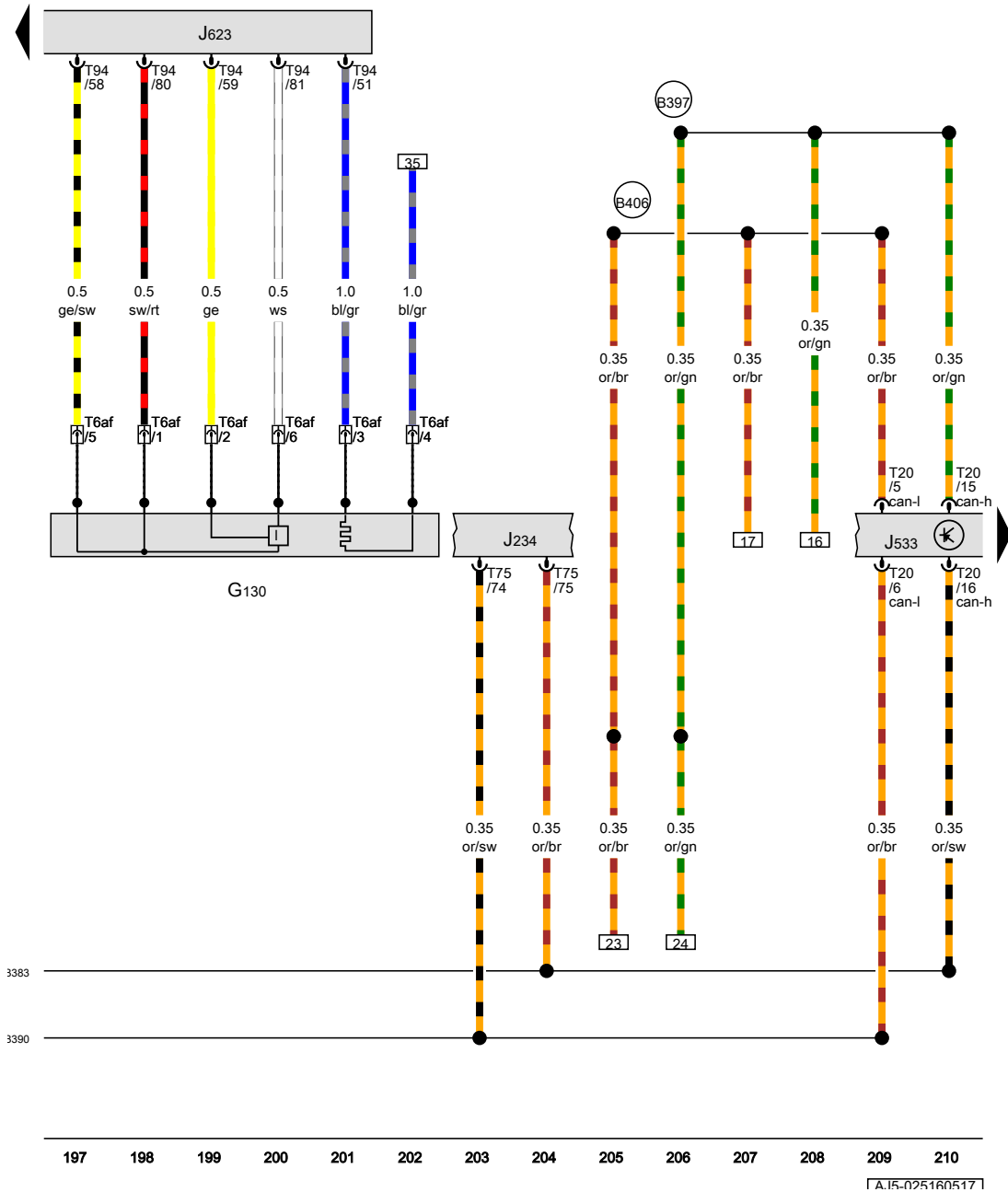
Brake Lamp Switch, Brake Pedal Switch, Clutch Position Sensor, Engine Control Module

- F Brake Lamp Switch
- F47 Brake Pedal Switch
- G476 Clutch Position Sensor
- J104 ABS Control Module
- J623 Engine Control Module
- T4x 4-Pin Connector
- T4y 4-Pin Connector
- T5m 5-Pin Connector
- T14a 14-Pin Connector
- T47 47-Pin Connector
- T94 94-Pin Connector

- 402 Interior Lighting Ground Connection (in Interior Wiring Harness)
- A99 Connection 87 (in Instrument Panel Wiring Harness) 1
- B131 Connection 54 (in Interior Wiring Harness)
- B383 Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
- B390 Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
- * For Vehicles with Anti-Lock Braking System (ABS) and Electronic Stabilization Program (ESP)
- *2 Radiator Fan Connection

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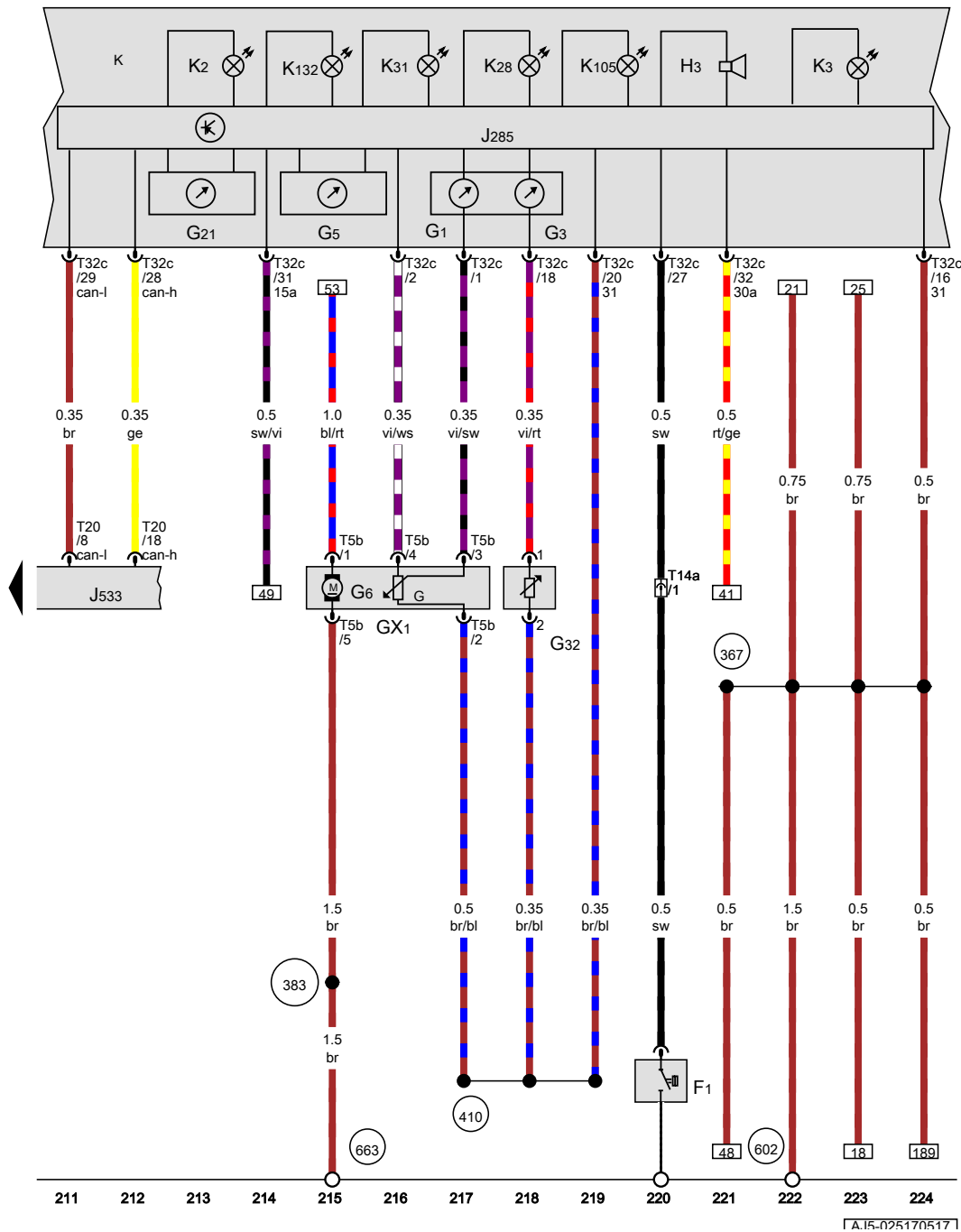
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Oxygen Sensor After Catalytic Converter, Data Bus on Board Diagnostic Interface, Engine Control Module

- G130 Oxygen Sensor After Catalytic Converter
- J234 Airbag Control Module
- J533 Data Bus on Board Diagnostic Interface
- J623 Engine Control Module
- T6af 6-Pin Connector
- T20 20-Pin Connector
- T75 75-Pin Connector
- T94 94-Pin Connector

- B383 Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
- B390 Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
- B397 Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
- B406 Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)



Oil Pressure Switch, Fuel Level Sensor, Fuel Gauge, Fuel Delivery Unit, Engine Coolant Temperature Gauge, Transfer Fuel Pump, Speedometer, Data Bus on Board Diagnostic Interface, Instrument Cluster, Oil Pressure Indicator Lamp, Cruise Control Indicator Lamp

- F1 Oil Pressure Switch
- G Fuel Level Sensor
- G1 Fuel Gauge
- GX1 Fuel Delivery Unit
- G3 Engine Coolant Temperature Gauge
- G5 Tachometer
- G6 Transfer Fuel Pump
- G21 Speedometer
- G32 Engine Coolant Level Sensor
- H3 Warning Buzzer and Tone
- J285 Instrument Cluster Control Module
- J533 Data Bus on Board Diagnostic Interface
- K Instrument Cluster
- K2 Generator Indicator Lamp
- K3 Oil Pressure Indicator Lamp
- K28 Engine Coolant Level/Temperature Indicator Lamp
- K31 Cruise Control Indicator Lamp
- K105 Low Fuel Level Indicator Lamp
- K132 Electronic Power Control Malfunction Indicator Lamp
- T5b 5-Pin Connector
- T14a 14-Pin Connector
- T20 20-Pin Connector
- T32c 32-Pin Connector
- 367 Ground Connection 2 (in Main Wiring Harness)
- 383 Ground Connection 18 (in Main Wiring Harness)
- 410 Sensor Ground Connection 1 (in Main Wiring Harness)
- 602 Ground Connection in Left Front Footwell
- 663 Ground Connection in Right Rear Side Panel