

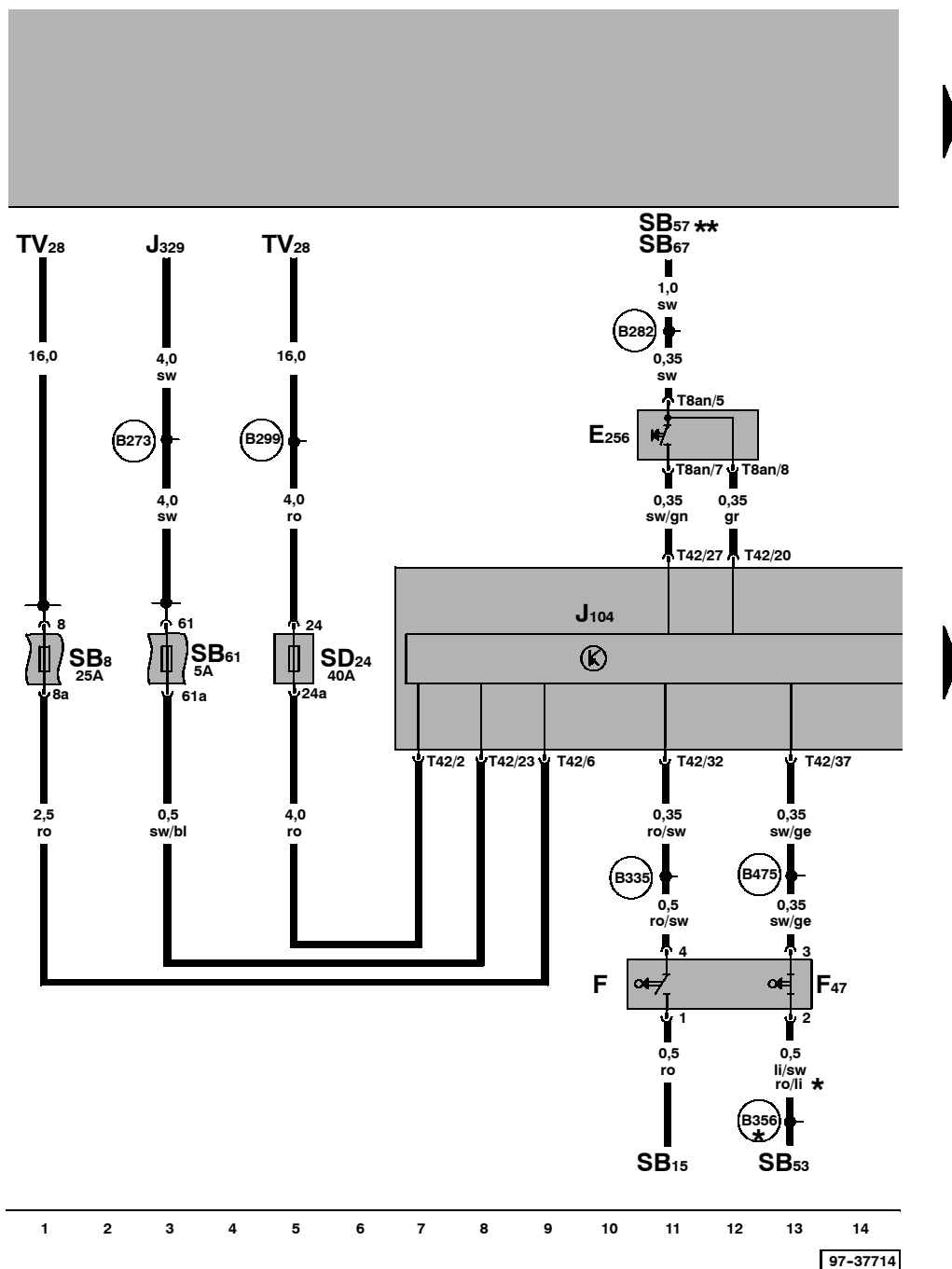
Anti-lock brake system (ABS) with electronic differential lock (EDL) anti-slip regulation (ASR) and electronic stabilization program (ESP) - including brake pad wear indicator system,

from June 2003

Note:

Information for

- ◆ *Relay and fuse arrangements*
 - ◆ *Connector arrangements*
 - ◆ *Control Modules and Relays*
 - ◆ *Ground connections*
- ⇒ *Component Locations!*



ABS Control Module, ASR/ESP Button, Brake Light Switch, Brake Pedal Switch

- E256 - ASR/ESP Button
- F - Brake Light Switch
- F47 - Brake Pedal Switch (cruise control/Diesel Direct Fuel Injection)
- J104 - ABS Control Module (w/EDL)
- J329 - Voltage Supply Terminal 15 (B+) Relay
- SB8 - Fuse 8 (in fuse holder)
- SB15 - Fuse 15 (in fuse holder)
- SB53 - Fuse 53 (in fuse holder)
- SB57 - Fuse 57 (in fuse holder) * *
- SB61 - Fuse 61 (in fuse holder)
- SB67 - Fuse 67 (in fuse holder)
- SD24 - Fuse 24 (on fuse holder)
- T8an - 8-Pin Connector, green
- T42 - 42-Pin connector
- TV28 - Wire junction 3 for terminal 30

- (B273) - Plus Connection (15) (in main wiring harness)
- (B282) - Plus Connection 6 (15a) (in main wiring harness)
- (B299) - Plus Connection 3 (30) (in main wiring harness)
- (B335) - Connection 1 (54) (in main wiring harness)
- (B356) - Plus Connection 7 (87a) (in main wiring harness)
- (B475) - Connection 11 (in main wiring harness)

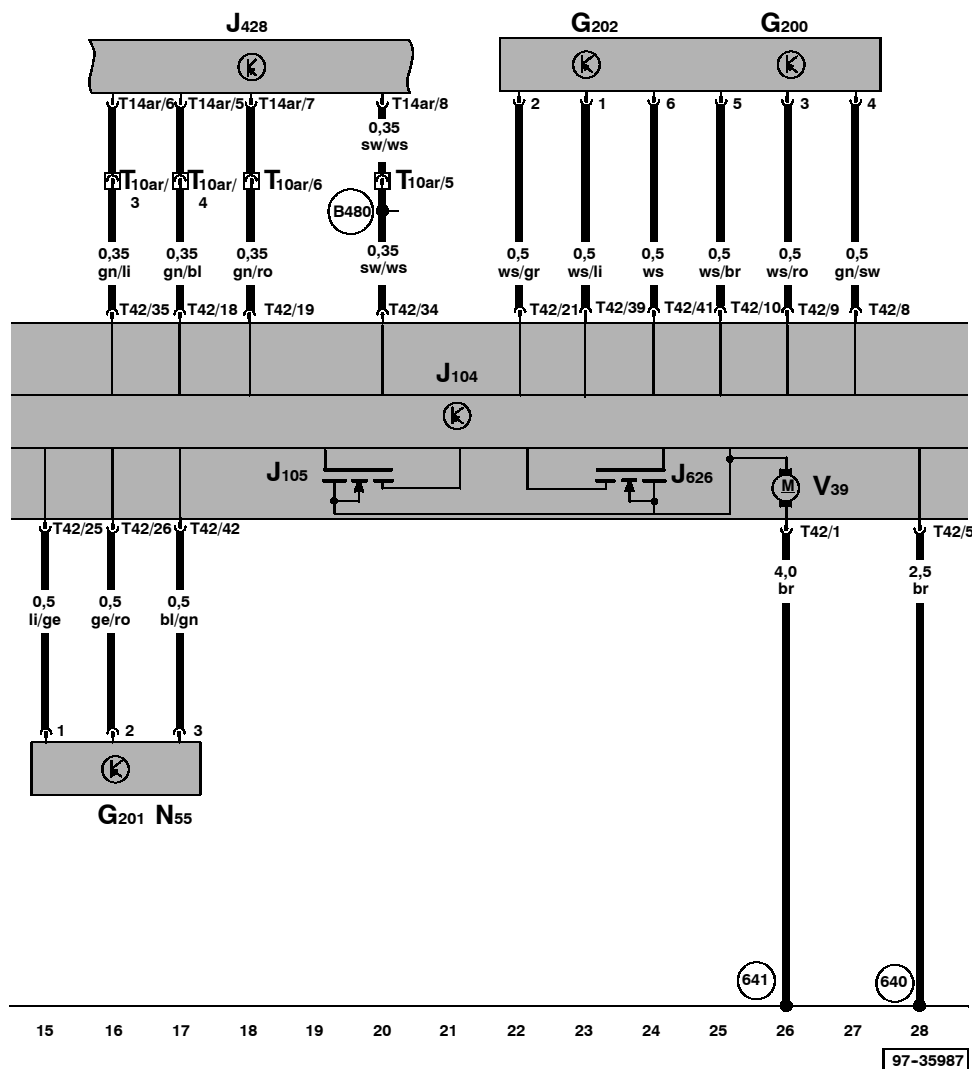
- * - engine code BGJ, BGH only
- ** - from November 2003

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow
 or = orange

**ABS Control Module, ABS Return Flow Pump Relay,
Control module for distance regulation, ABS Return
Flow Pump, ABS Hydraulic Unit**

- G200 - Sensor for transverse acceleration
 G201 - Sender 1 for brake booster
 G202 - Sender for Rotation Rate
 J104 - ABS Control Module (w/EDL)
 J105 - ABS Return Flow Pump Relay
 J428 - Control module for distance regulation
 J626 - ABS Return Flow Pump Relay 2
 N55 - ABS Hydraulic Unit
 T10ar- 10-Pin connector, black
 T14ar- 14-Pin connector
 T42 - 42-Pin connector
 V39 - ABS Return Flow Pump

- (640) - Ground Connection (in engine compartment, left)
 (641) - Ground Connection 2 (secondary air pump)
 (B480) - Connection 16 (in main wiring harness)

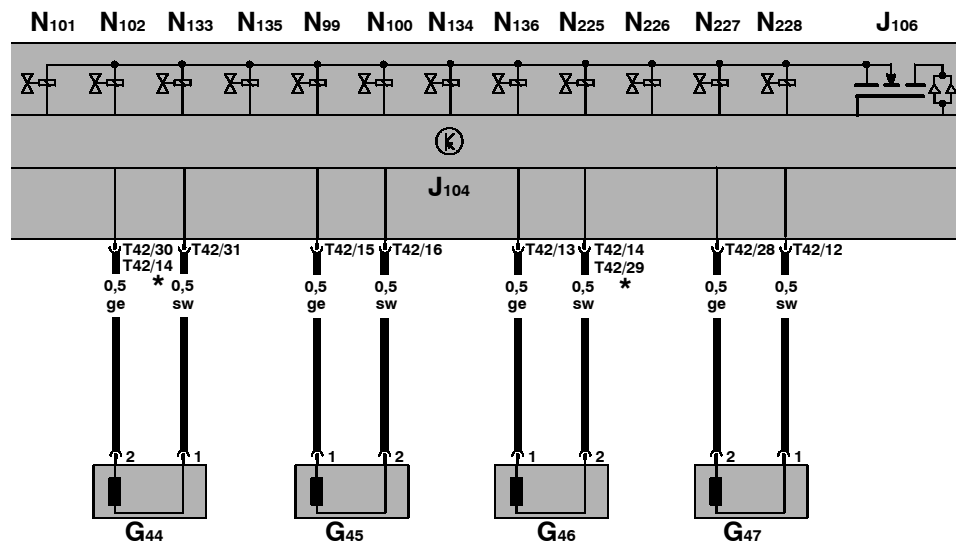


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ABS Control Module, ABS Outlet Valve and Inlet Valve, ABS Wheel Speed Sensor

- G44 - Right Rear ABS Wheel Speed Sensor
- G45 - Right Front ABS Wheel Speed Sensor
- G46 - Left Rear ABS Wheel Speed Sensor
- G47 - Left Front ABS Wheel Speed Sensor
- J104 - ABS Control Module (w/EDL)
- J106 - ABS Solenoid Valve Relay
- N99 - Right Front ABS Inlet Valve
- N100 - Right Front ABS Outlet Valve
- N101 - Left Front ABS Inlet Valve
- N102 - Left Front ABS Outlet Valve
- N133 - Right Rear ABS Inlet Valve
- N134 - Left Rear ABS Inlet Valve
- N135 - Right Rear ABS Outlet Valve
- N136 - Left Rear ABS Outlet Valve
- N225 - Pilot valve -1- traction control
- N226 - Pilot valve -2- traction control
- N227 - High pressure switch valve -1- traction control
- N228 - High pressure switch valve -2- traction control
- T42 - 42-Pin connector

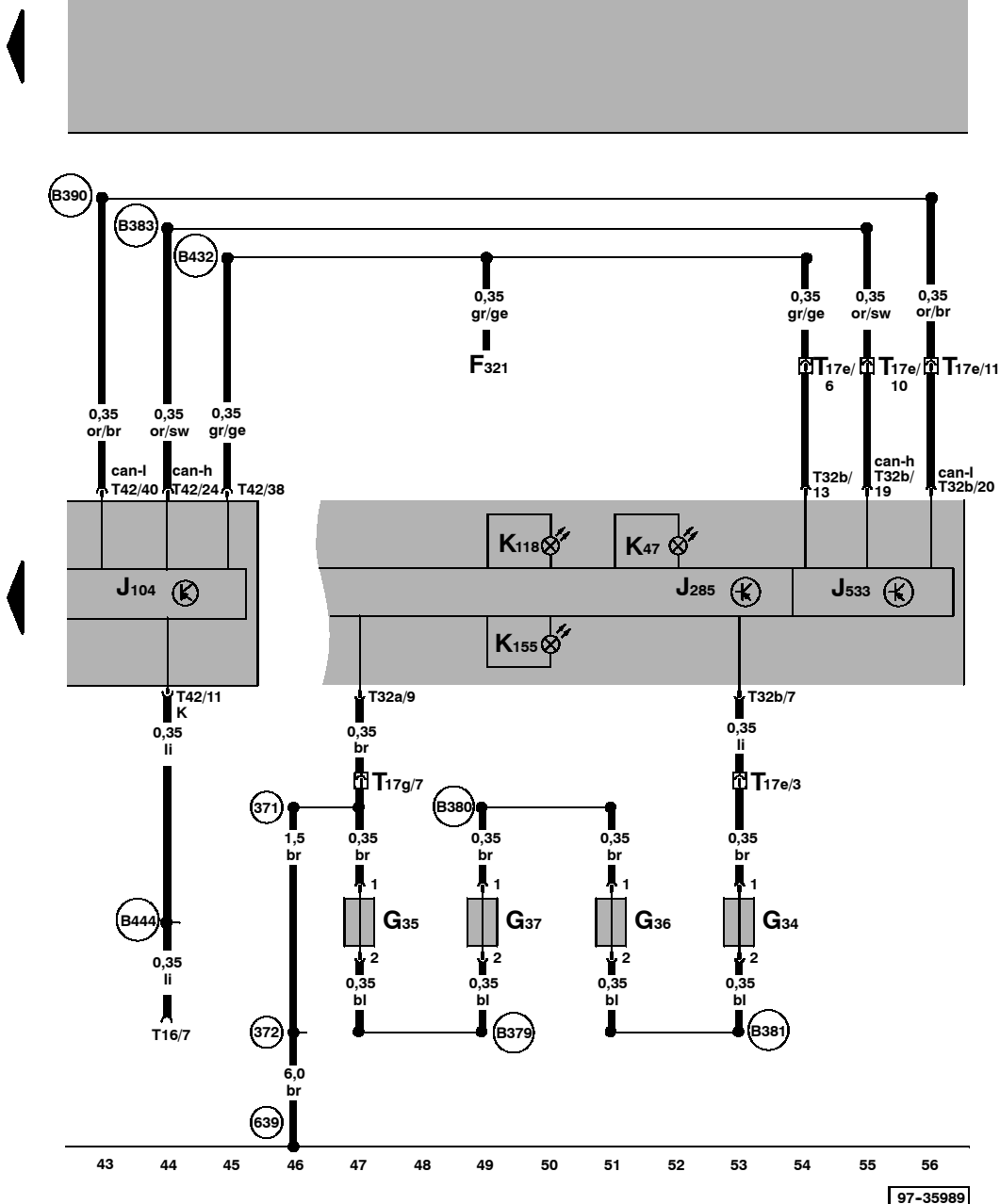
* - 4-motion only



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ABS Control Module, Brake Pad Wear Sensor, Control module with indicator unit in instrument panel insert, data link connector


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- F321 - Parking Brake Contact Switch
- G34 - Left Front Brake Pad Wear Sensor
- G35 - Right Front Brake Pad Wear Sensor
- G36 - Left Rear Brake Pad Wear Sensor
- G37 - Right Rear Brake Pad Wear Sensor
- J104 - ABS Control Module (w/EDL)
- J285 - Control module with indicator unit in instrument panel insert
- J533 - Data Bus On Board Diagnostic Interface
- K47 - ABS Warning Light
- K118 - Warning light for brake system
- K155 - ASR/ESP Control Lamp
- T16 - 16-Pin Connector, Ddata Link Connector (DLC)
- T17e - 17-Pin connector, blue, behind instrument panel, left
- T17g - 17-Pin connector, red, behind instrument panel, left
- T32a - 32-Pin connector, blue, on instrument cluster
- T32b - 32-Pin connector, green, on instrument cluster
- T42 - 42-Pin connector

- 371 - Ground Connection 6 (in main wiring harness)
- 372 - Ground Connection 7 (in main wiring harness)
- 639 - Ground Connection (on left A-pillar)
- B379 - Brake Wear Indicator Connection 1 (in main wiring harness)
- B380 - Brake Wear Indicator Connection 2 (in main wiring harness)
- B381 - Brake Wear Indicator Connection 3 (in main wiring harness)
- B383 - Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B390 - Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B432 - Emergency (Foot) Brake Connection (in main wiring harness)
- B444 - OBD Connection 1 (in main wiring harness)