

2.5 l/65 kW direct injection turbo diesel, engine code AJT

From May 1999

2.5 l/75 kW direct injection turbo diesel, engine codes ACV, AUF

2.5 l/111 kW direct injection turbo diesel, engine code AHY

From May 1999

2.5 l/111 kW direct injection turbo diesel, engine code AXG

From September 2000

2.5 l/75 kW direct injection turbo diesel, engine codes AXL, AYC

From May 2001

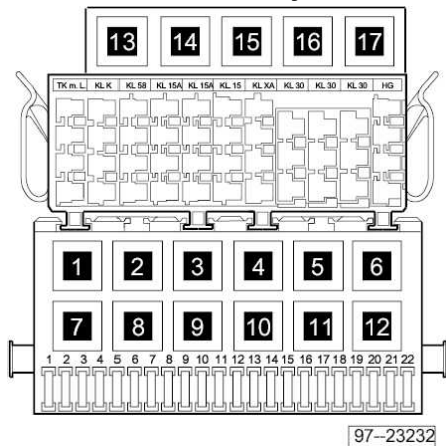
2.5 l/65 kW direct injection turbo diesel, engine code AYY (dropside only)

From October 2001

2.5 l/75 kW direct injection turbo diesel, engine codes AXL, from May 2001

2.5 l/65 kW direct injection turbo diesel, engine code AYY (dropside only), from October 2001

For alternatives to relay and fuse locations as well as assignment of multi-pin connector wiring see "Fitting locations" section.



3 - Terminal 30 voltage supply relay (109)

5 - Data bus junction

12 - Glow plug relay (103)



Note!

The number in brackets behind the part designation denotes the control number on the housing.

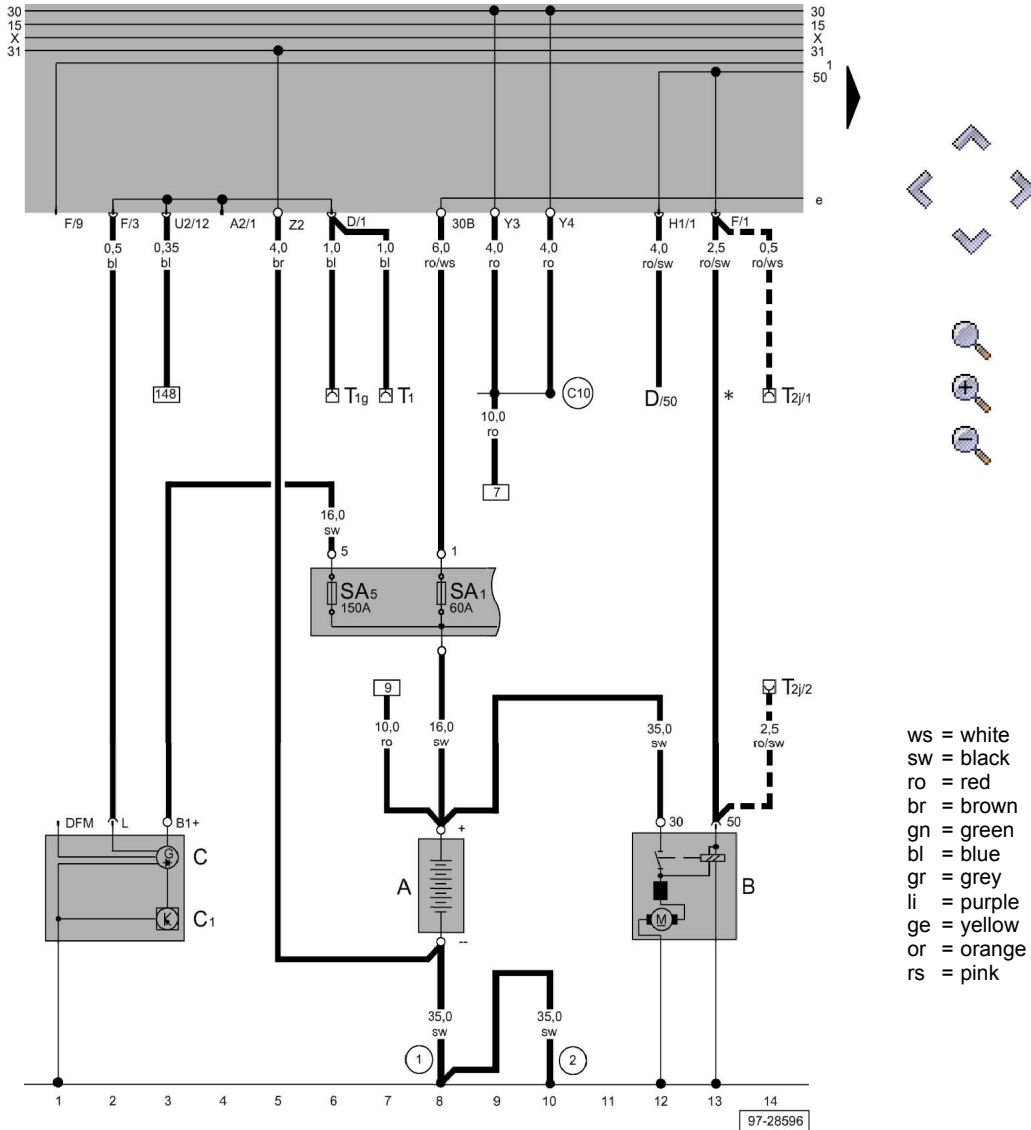
Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue
10 A - red
7.5 A - brown
5 A - beige
3 A - lilac

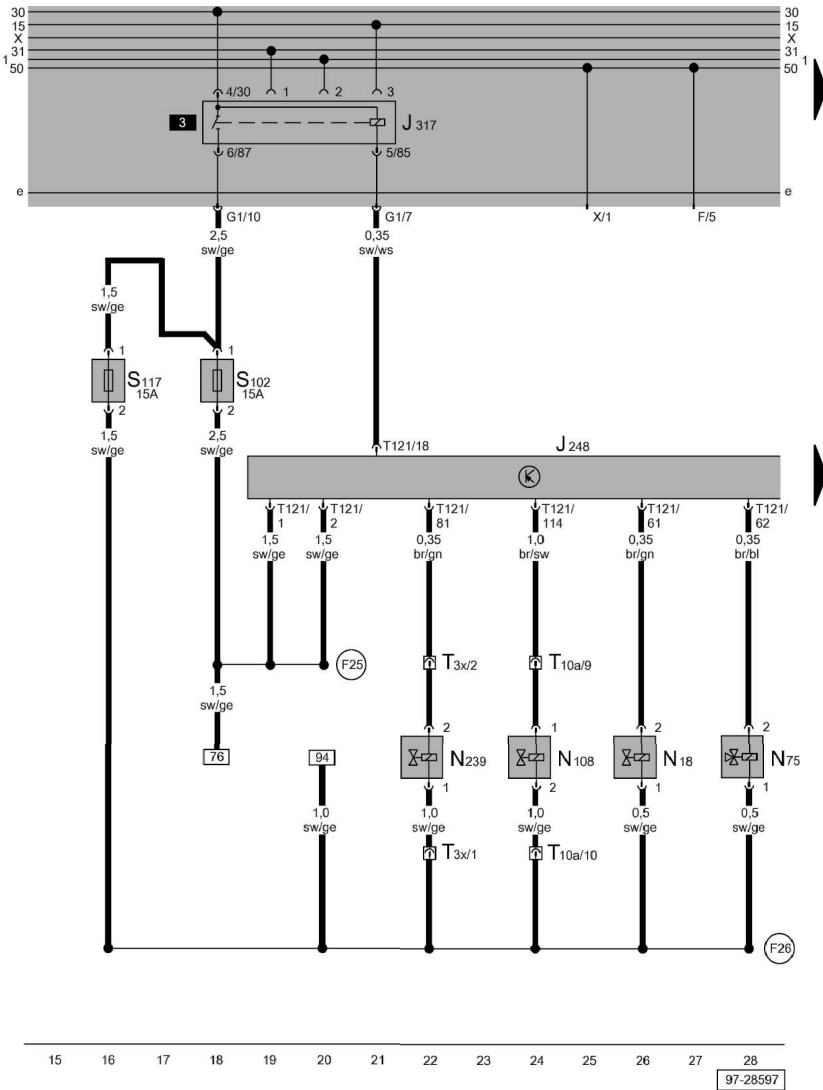


Battery, alternator, starter

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- SA1 - Fuse -1- on battery fuse box
- SA5 - Fuse -5- on battery fuse box
- T1 - Single connector, behind relay plate
- T1g - Single connector, behind relay plate
- T2j - 2-pin connector, behind relay plate
- 1 - Earth strap, battery - body
- 2 - Earth strap, gearbox - body
- C10 - Positive (+) connection -1- (30), in headlight wiring harness
- * - Only models with manual gearbox
- - Only models with automatic gearbox fuse

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

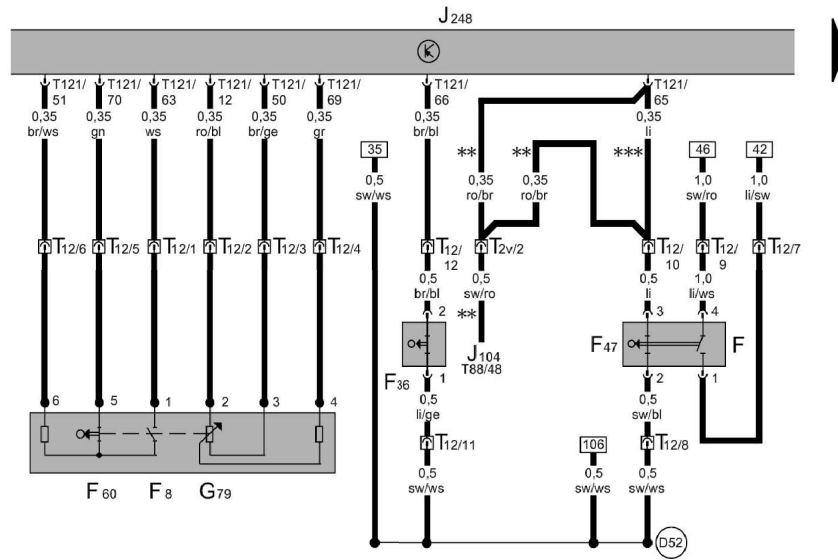
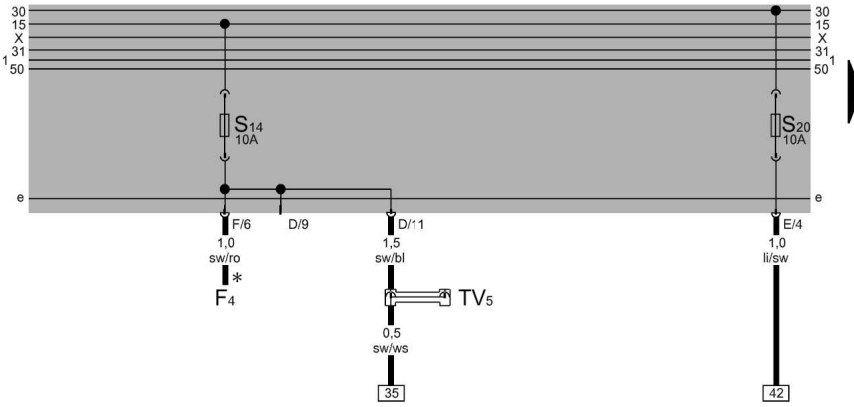
97-28596



Diesel direct injection system control unit, exhaust gas recirculation, charge pressure control solenoid valve, commencement of injection valve, intake manifold flap change-over valve, additional engine management

- J248 - Diesel direct injection system control unit, in engine compartment, left
- J317 - Terminal 30 voltage supply relay
- N18 - Exhaust gas recirculation valve
- N75 - Charge pressure control solenoid valve
- N108 - Commencement of injection valve
- N239 - Intake manifold flap change-over valve *
- S102 - Engine control unit fuse
- S117 - Control element fuse
- T3x - 3-pin connector, behind relay plate
- T10a - 10-pin connector, on engine front
- T121 - 121-pin connector
- F25 - Connection -1-, in diesel direct injection system wiring harness
- F26 - Connection -2-, in diesel direct injection system wiring harness
- * - Only models from June 2000

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

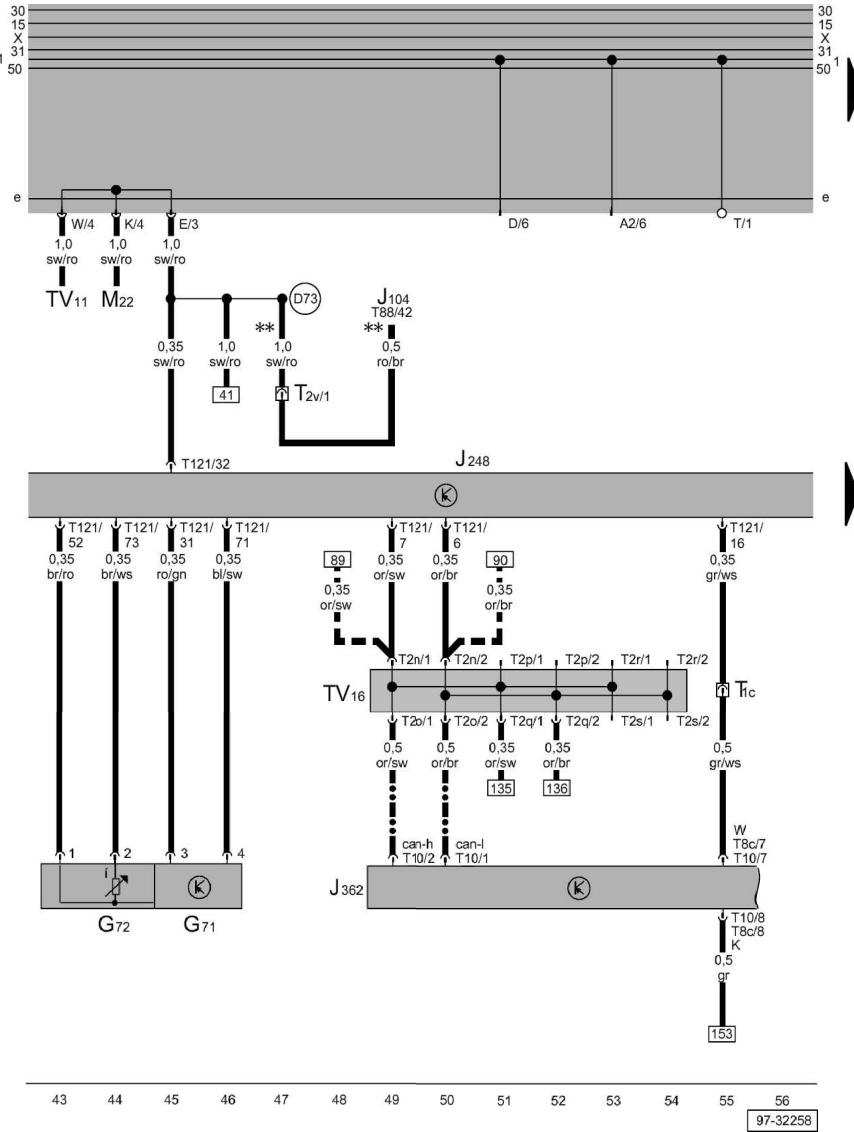


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Diesel direct injection system control unit, idling switch, kick-down switch, accelerator pedal position sender, pedal switch

- F - Brake light switch
- F4 - Reversing light switch
- F8 - Kick-down switch
- F36 - Clutch pedal switch
- F47 - Cruise control system brake pedal switch (diesel direct injection system)
- F60 - Idling switch
- G79 - Accelerator pedal position sender
- S14 - Fuse -14- on fuse box
- S20 - Fuse -20- on fuse box
- J248 - Diesel direct injection system control unit, in engine compartment, left
- T2v - 2-pin connector, behind relay plate
- T12 - 12-pin connector, behind relay plate
- T121 - 121-pin connector
- TV5 - Terminal 15a junction box, green
- D52 - Positive (+) connection (15a), in engine compartment wiring harness

- * - Only models with manual gearbox
- ** - Only models with ESP
- *** - Only models without ESP

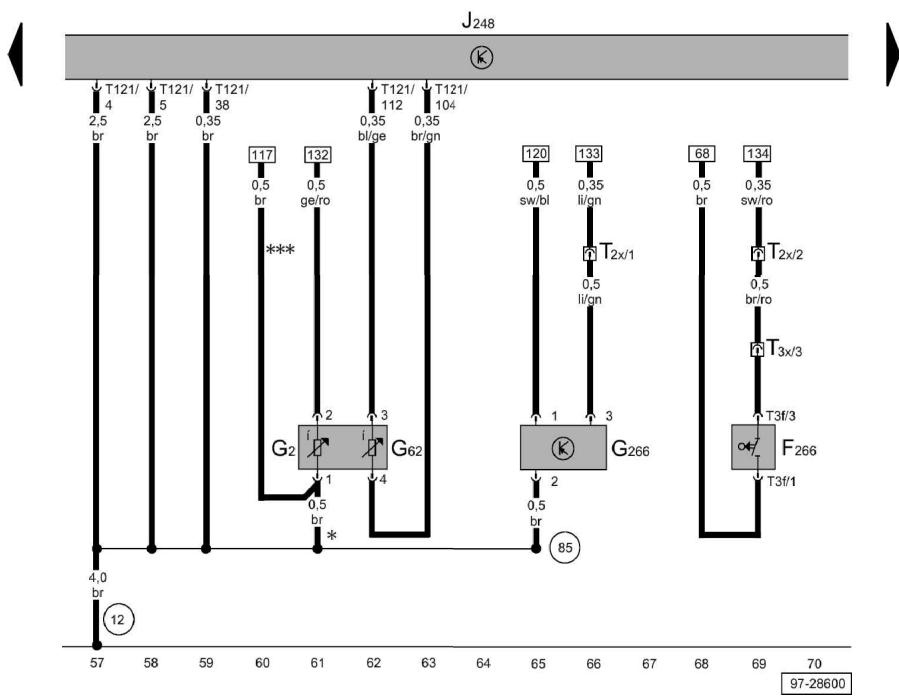
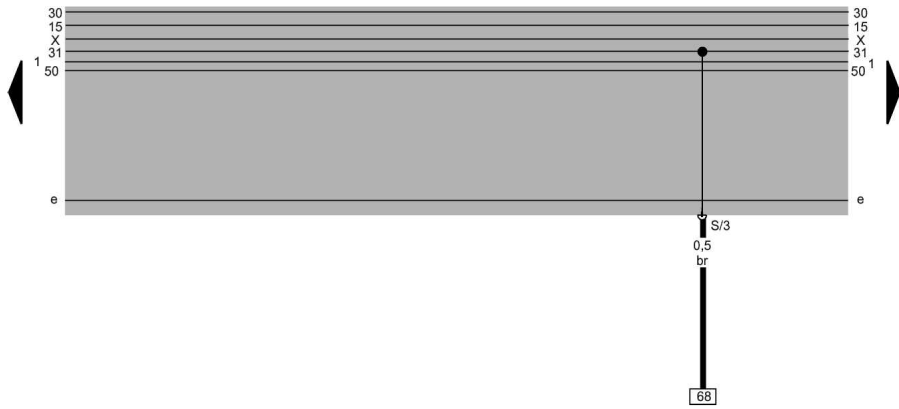


Diesel direct injection system control unit, intake manifold pressure sender, intake manifold temperature sender, terminal for data bus, immobilizer

- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- M22 - Brake and tail light bulb, right
- J104 - ABS with ESP control unit, in engine compartment, left
- J248 - Diesel direct injection system control unit, in engine compartment, left
- J362 - Immobilizer control unit, behind dash panel insert, right
- T1c - Single connector, behind relay plate
- T2n - 2-pin connector
- T2o - 2-pin connector
- T2p - 2-pin connector
- T2q - 2-pin connector
- T2r - 2-pin connector
- T2s - 2-pin connector
- T2v - 2-pin connector, behind relay plate
- T8c - 8-pin connector, up to August 1999
- T10 - 10-pin connector, from September 1999
- T88 - 88-pin connector
- T121 - 121-pin connector
- TV11 - Terminal 54 junction box, orange
- TV16 - Terminal for data bus, No. 5 on relay location or behind relay plate
- D73 - Positive (+) connection (54), in engine compartment wiring harness

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- ** - Only models with ESP
- - Only models with automatic gearbox
- .-.- - Only models from September 1999



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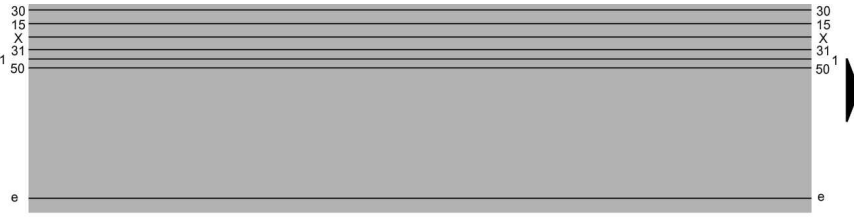
Diesel direct injection system control unit, coolant temperature senders, bonnet contact switch, oil level/oil temperature sender

- F266 - Bonnet contact switch
 - G2 - Coolant temperature sender
 - G62 - Coolant temperature sender
 - G266 - Oil level/oil temperature sender**
 - J248 - Diesel direct injection system control unit, in engine compartment, left
 - T2x - 2-pin connector, behind relay plate
 - T3f - 3-pin connector
 - T3x - 3-pin connector, behind relay plate
 - T121 - 121-pin connector
 - 12 - Earth point, in engine compartment, left
 - 85 - Earth connection -1-, in engine compartment wiring harness
- * - Only models up to September 2000
 ** - Only with flexible service interval display
 *** - Only models up to September 2000

Transporter

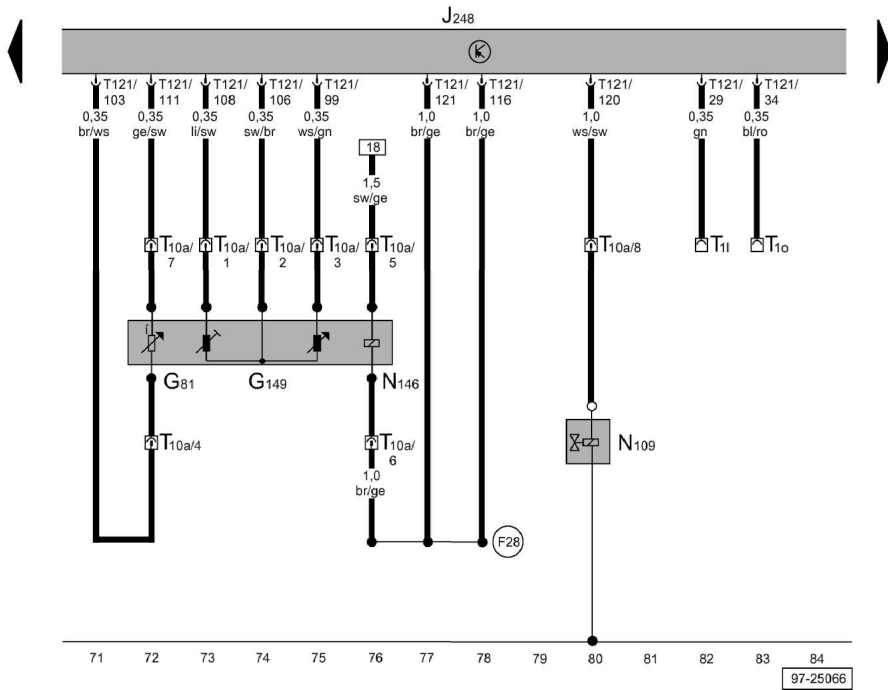
Current Flow Diagram

No. 80 / 7

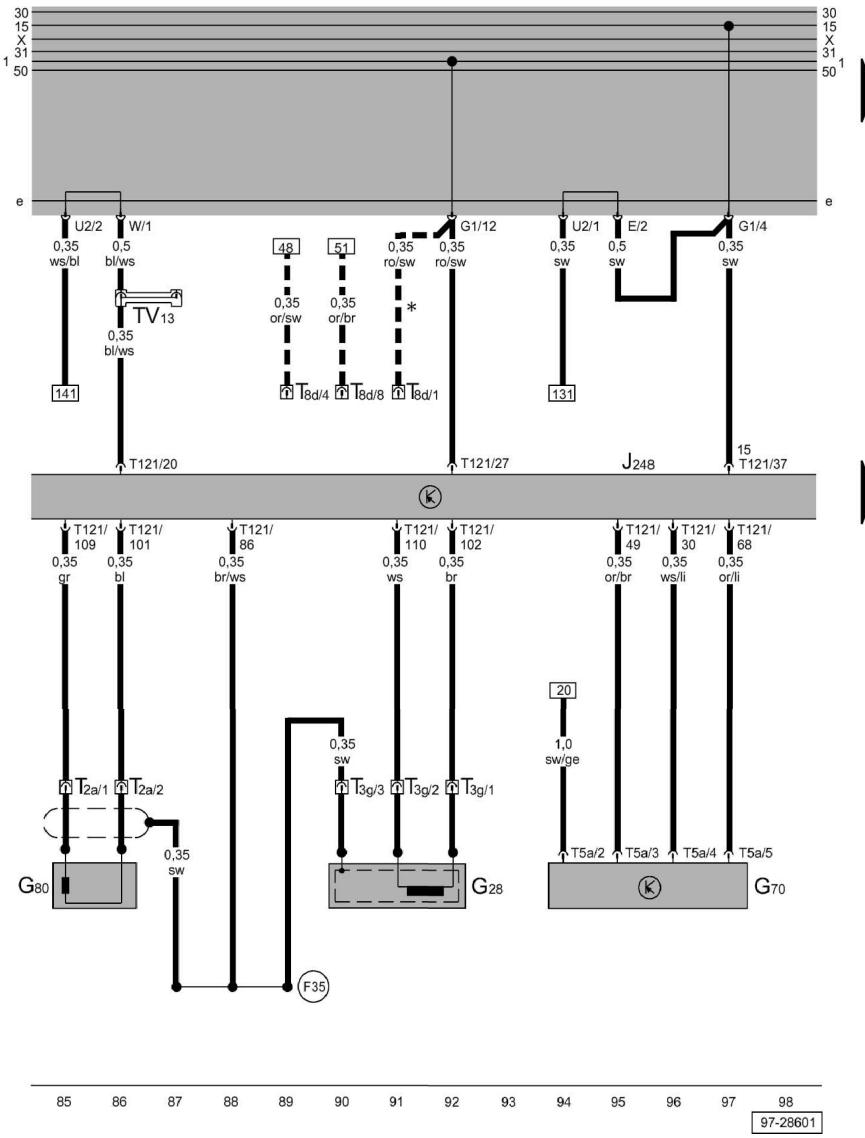


Diesel direct injection system control unit, fuel temperature sender, modulating piston movement sender, metering adjuster, fuel shut-off valve

- G81 - Fuel temperature sender
- G149 - Modulating piston movement sender
- J248 - Diesel direct injection system control unit, in engine compartment, left
- N109 - Fuel shut-off valve
- N146 - Metering adjuster
- T11 - Single connector, behind relay plate, air conditioner shut-off
- T10 - Single connector, behind relay plate, air conditioner readiness
- T10a - 10-pin connector, on engine front
- T121 - 121-pin connector
- F28 - Connection -3-, in diesel direct injection system wiring harness



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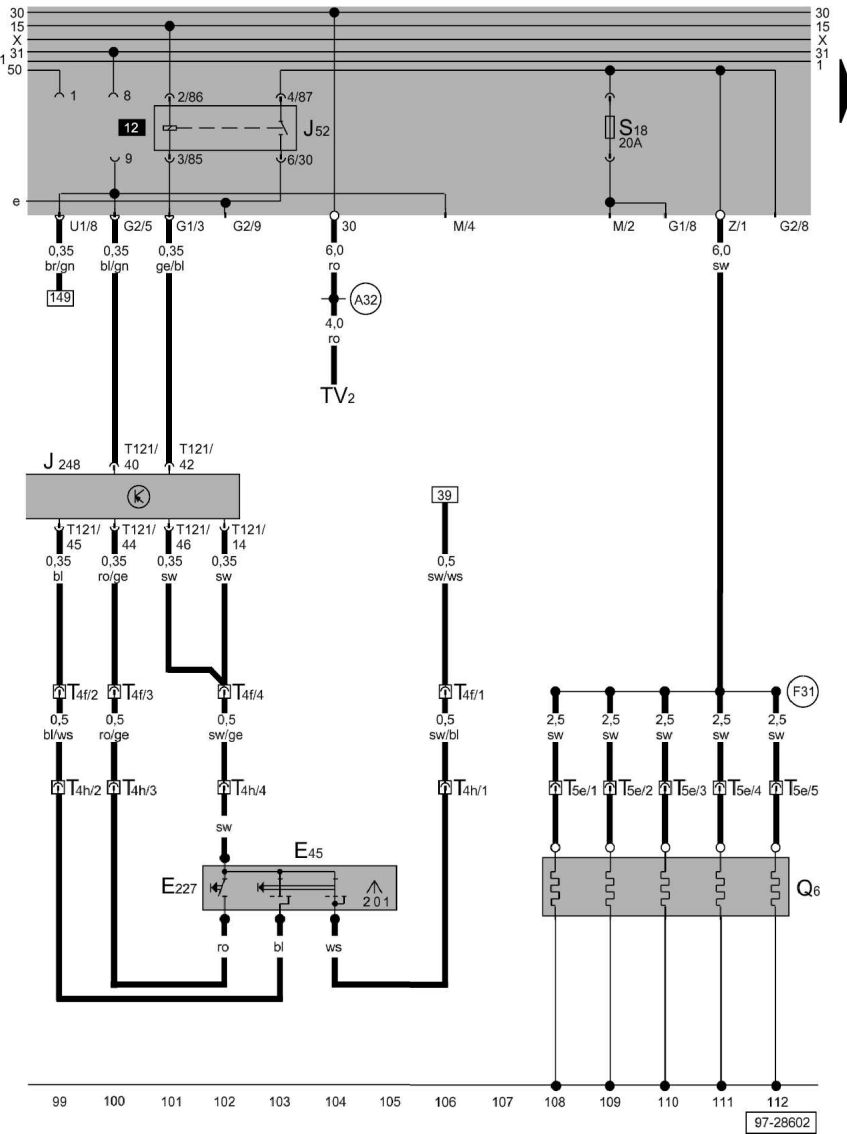


Diesel direct injection system control unit, needle lift sender, engine speed sender, air mass meter

- G28 - Engine speed sender
- G70 - Air mass meter
- G80 - Needle lift sender
- J248 - Diesel direct injection system control unit, in engine compartment, left
- T2a - 2-pin connector, on engine front
- T3g - 3-pin connector, on engine front
- T5a - 5-pin connector
- T8d - 8-pin connector, behind relay plate
- T121 - 121-pin connector
- TV13 - Terminal for speed signal, blue
- F35 - Connection -4-, in engine compartment wiring harness

- - Only models with automatic gearbox fuse
- * - Only models up to March 2000

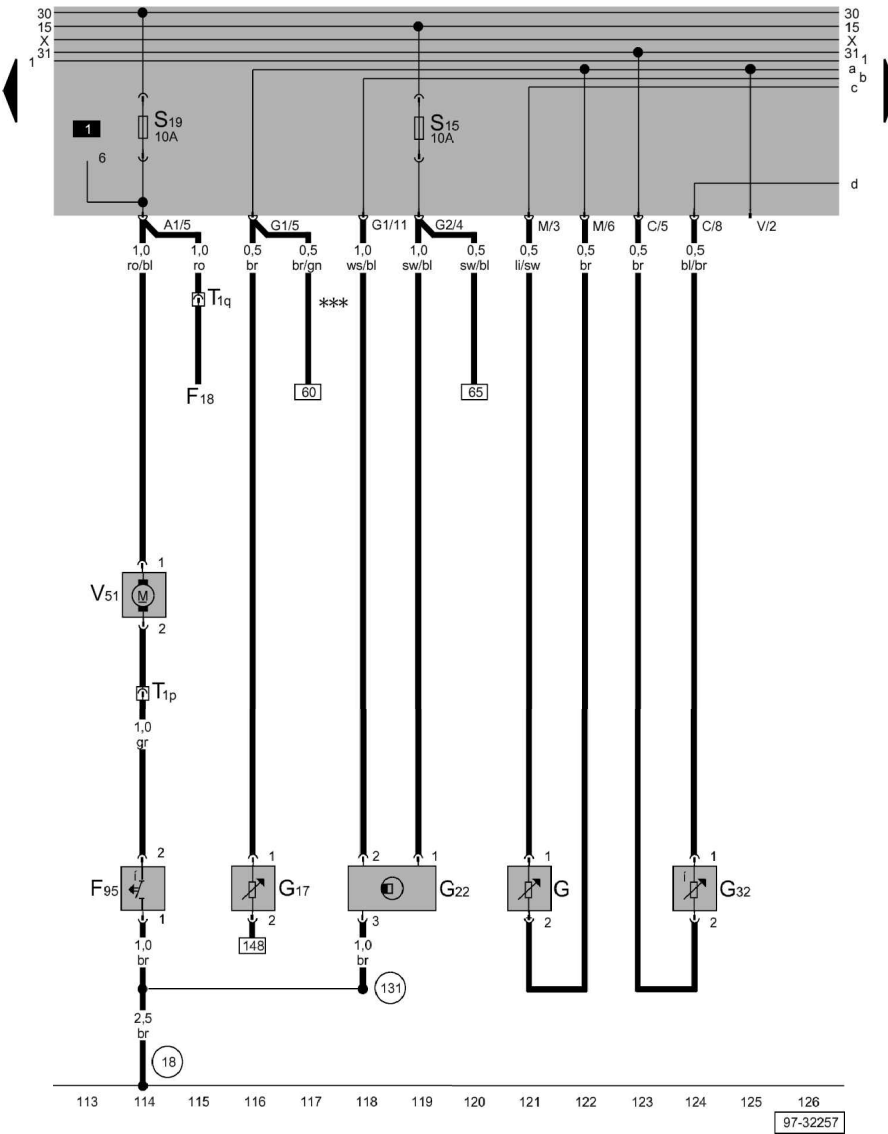
ws = white
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Diesel direct injection system control unit, cruise control system switch, glow plugs - engine

- E45 - Cruise control system switch
- E227 - Cruise control system (CCS) button (Set)
- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit, in engine compartment, left
- Q6 - Glow plugs - engine
- T4f - 4-pin connector, behind relay plate
- T4h - 4-pin connector, behind steering column switch trim
- T5e - 5-pin connector, on engine front
- T121 - 121-pin connector
- TV2 - Terminal 30 junction box, red
- A32 - Positive (+) connection (30), in dash panel wiring harness
- F31 - Connection (glow plugs - engine), in diesel direct injection system wiring harness

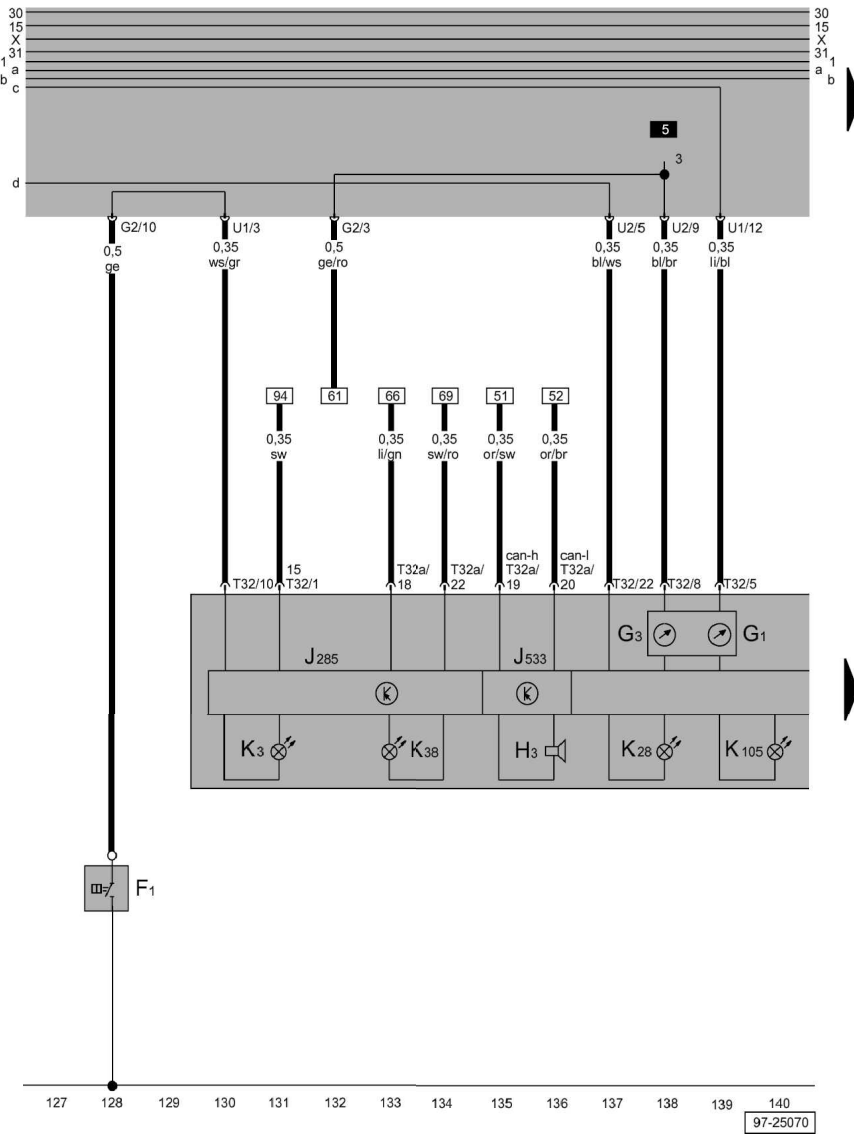
ws = white
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Continued circulation of coolant, speedometer sender, fuel gauge sender, coolant shortage indicator sender

- F18 - Radiator fan thermo-switch
- F95 - Thermo-switch for continued coolant circulation
- G - Fuel gauge sender
- G17 - Ambient temperature sensor
- G22 - Speedometer sender
- G32 - Coolant shortage indicator sender
- T1p - Single connector, behind relay plate
- S15 - Fuse -21- on fuse box
- S19 - Fuse -21- on fuse box
- T1q - Single connector, behind relay plate
- V51 - Continued coolant circulation pump
- 18 - Earth point, on engine block
- 131 - Earth connection -2-, in engine compartment wiring harness
- *** - Only models up to September 2000

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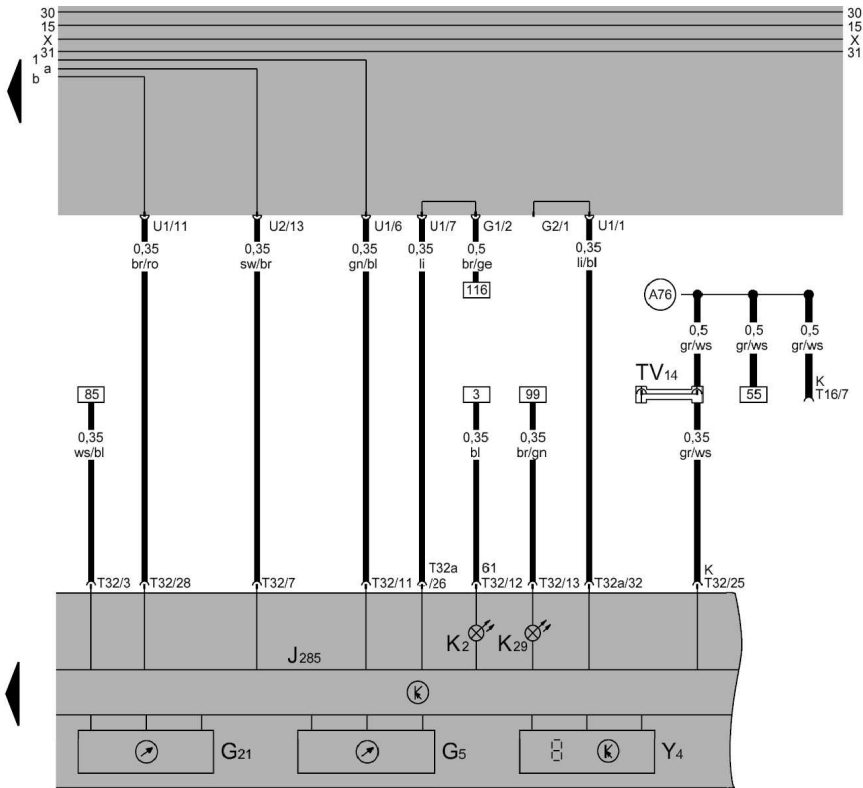


Dash panel insert, oil pressure and coolant warning, fuel gauge, coolant temperature gauge, oil level warning lamp

- F1 - Oil pressure switch
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- H3 - Buzzer/gong
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel insert
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- K38 - Oil level warning lamp**
- K105 - Reserve fuel warning lamp
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green
- ** - Only with flexible service interval display



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Dash panel insert, speedometer, odometer display, rev. counter, glow period warning lamp, alternator warning lamp, self-diagnosis connection

- G5 - Rev. counter
- G21 - Speedometer
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- K29 - Glow period warning lamp
- T1e - Single connector, behind relay plate
- T16 - 16-pin connector, behind steering column, self-diagnosis connection,
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green
- TV14 - Terminal for self-diagnosis, white
- Y4 - Odometer display
- A76 - Connection (diagnosis wire K), in dash panel wiring harness

ws = white
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 ro = red
 br = brown
 gn = green
 bl = blue
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 li = purple
 ge = yellow
 or = orange
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