

2.0 I - TFSI - Fuel injection engine (147 kW - Motronic - 4 cylinder), engine codes BGB, BPG, BWE

from August 2004

2.0 I - TFSI - Fuel injection engine (162 kW - Motronic - 4 cylinder), engine codes BUL

from August 2004

2.0 I - TFSI - Fuel injection engine (125 kW - Motronic - 4 cylinder), engine codes BYK

from August 2004

2.0 I - TFSI - Fuel injection engine (147 kW - Motronic - 4 cylinder), engine codes BWT

from June 2006

2.0 I - TFSI - Fuel injection engine (125 kW - Motronic - 4 cylinder), engine codes BPJ

from November 2006

Notes:

For information concerning

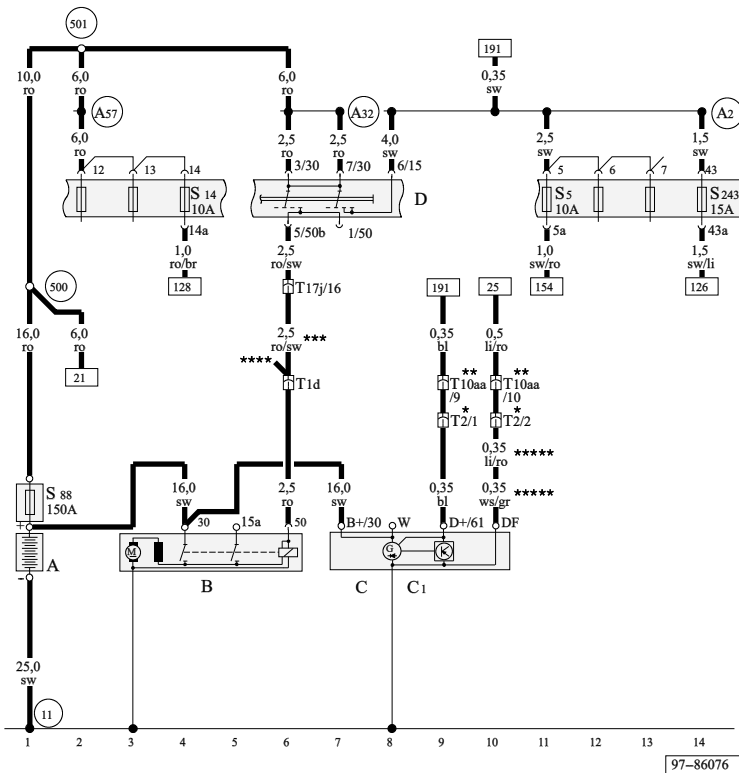
- ◆ Position of relays and fuses
- ◆ Multi-pin connections
- ◆ Control units and relays
- ◆ Earth connections

→ List of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

→ guided fault finding

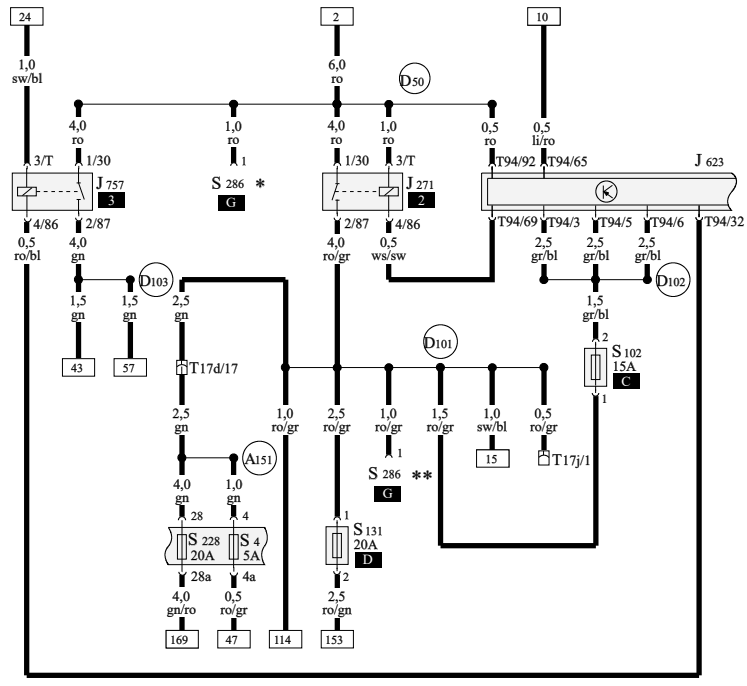


Voltage supply, fuses

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- S5 - Fuse in relay plate fuse holder
- S14 - Fuse in relay plate fuse holder
- S88 - Strip fuse
- S243 - Fuse in fuse holder
- T1d - Single connector, black, left engine compartment
- T2 - 2-pin connector, black, right engine compartment
- T10aa - 10-pin connector, black, in engine compartment
- T17j - 17-pin connector, brown, coupling station on electronics box, plenum chamber
- 11 - Earth point, in battery box
- 500 - Screw connection 1 (30), on relay plate
- 501 - Screw connection 2 (30), on relay plate
- A2 - Positive connection (15), in dash panel wiring harness
- A32 - Positive connection (30), in dash panel wiring harness
- A57 - Positive connection 3 (30), in dash panel wiring harness
- * - applicable up to October 2004
- ** - applicable from November 2004
- *** - for models with manual gearbox only
- **** - for models with automatic gearbox only, ⇒ applicable Current Flow Diagram: automatic gearbox
- ***** - phased-in modification



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



15 16 17 18 19 20 21 22 23 24 25 26 27 28
8E0-078031006

Engine control unit, engine component current supply relay, Motronic current supply relay, fuses

- J271 - Motronic current supply relay
 - J623 - Engine control unit
 - J757 - Engine component current supply relay
 - S4 - Fuse in relay plate fuse holder
 - S102 - Engine control unit fuse
 - S131 - Fuse 1
 - S228 - Fuse in fuse holder
 - S286 - Automatic gearbox fuse, run-on
 - T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber
 - T17j - 17-pin connector, brown, coupling station on electronics box, plenum chamber
 - T94 - 94-pin connector, black
 - A151 - Connection 4 (87), in dash panel wiring harness
 - D50 - Positive connection (30), in engine compartment wiring harness
 - D101 - Connection 1, in engine compartment wiring harness
 - D102 - Connection 2, in engine compartment wiring harness
 - D103 - Connection 3, in engine compartment wiring harness
- * - for models with automatic gearbox (AG6) only
 ** - for models with automatic gearbox (multitronic 01J / multitronic 0AN) only



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



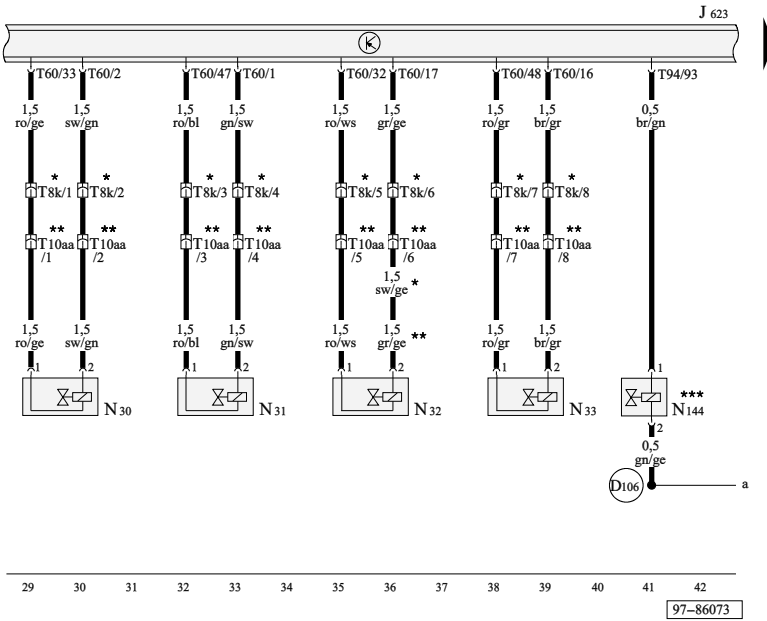
Engine control unit, injectors, left electrohydraulic engine mounting solenoid valve

- J623 - Engine control unit
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N144 - Left electrohydraulic engine mounting solenoid valve

- T8k - 8-connector, black, in engine compartment
- T10aa - 10-pin connector, black, in engine compartment

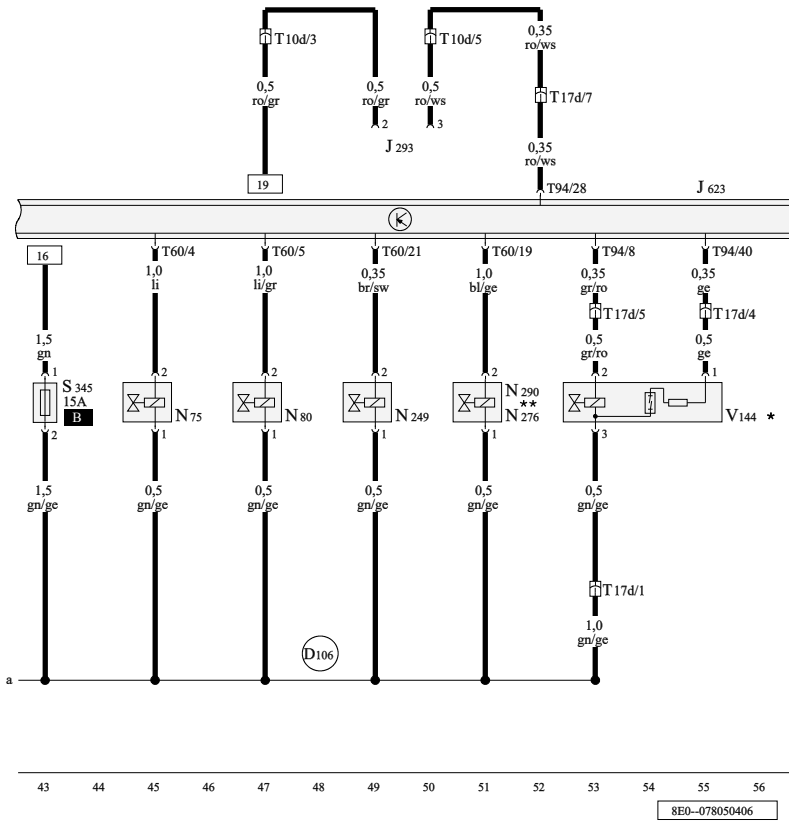
- T60 - 60-pin connector, black
- T94 - 94-pin connector, black
- D106 - Connection 4, in engine compartment wiring harness

- * - applicable up to October 2004
- ** - applicable from November 2004
- *** - for models with automatic gearbox (AG6) only




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

97-86073



Charge pressure control solenoid valve, active charcoal filter system solenoid valve 1

J293 - Radiator fan control unit 

J623 - Engine control unit


N75 - Charge pressure control solenoid valve

N80 - Activated charcoal filter system solenoid valve 1

N249 - Turbocharger air recirculation valve

N276 - Fuel pressure regulating valve

N290 - Fuel metering valve

S345 - Engine electronics fuse 3 

T10d - 10-pin connector, grey, coupling station on left of A-pillar

T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber

T60 - 60-pin connector, black

T94 - 94-pin connector, black

V144 - Fuel system diagnostic pump

D106 - Connection 4, in engine compartment wiring harness

* - for models with fuel system diagnostic pump only

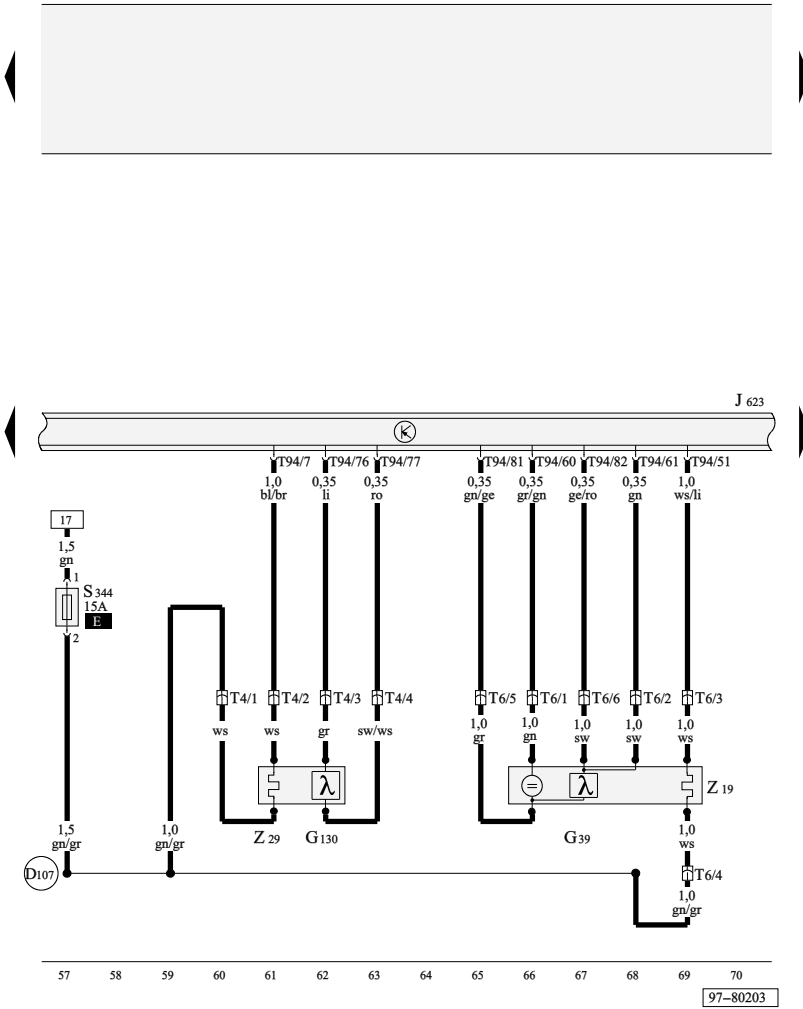
** - N276 is replaced by N290



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

Engine control unit, Lambda probes

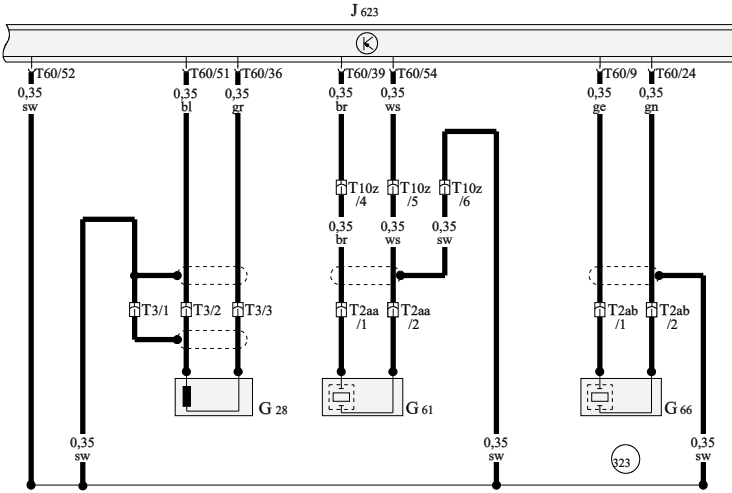
- G39 - Lambda probe
- G130 - Lambda probe after catalytic converter
- J623 - Engine control unit
- S344 - Engine electronics fuse 2
- T4 - 4-pin connector, brown, connector point lambda probe (bulkhead)
- T6 - 6-pin connector, black, connector point lambda probe (bulkhead)
- T94 - 94-pin connector, black
- Z19 - Lambda probe heater
- Z29 - Lambda probe 1 heater after catalytic converter
- D107 - Connection 5, in engine compartment wiring harness





Engine control unit, engine speed sender, knock sensor

- G28 - Engine speed sender
- G61 - Knock sensor 1
- G66 - Knock sensor 2
- J623 - Engine control unit
- T3 - 3-pin connector, grey, on engine block
- T2aa - 2-pin connector, black, on engine block
- T2ab - 2-pin connector, black, on engine block
- T10z - 10-pin connector, black, in engine compartment
- T60 - 60-pin connector, black
- 323 - Earth connection (knock sensor), in injection system wiring harness



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

71 72 73 74 75 76 77 78 79 80 81 82 83 84

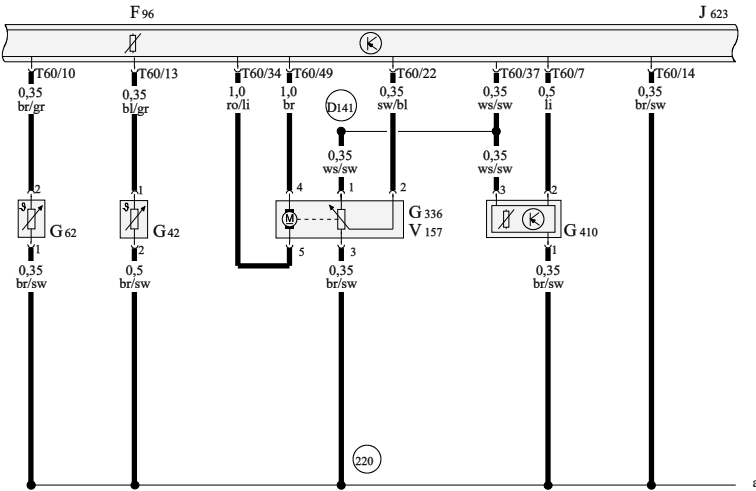
97-80204



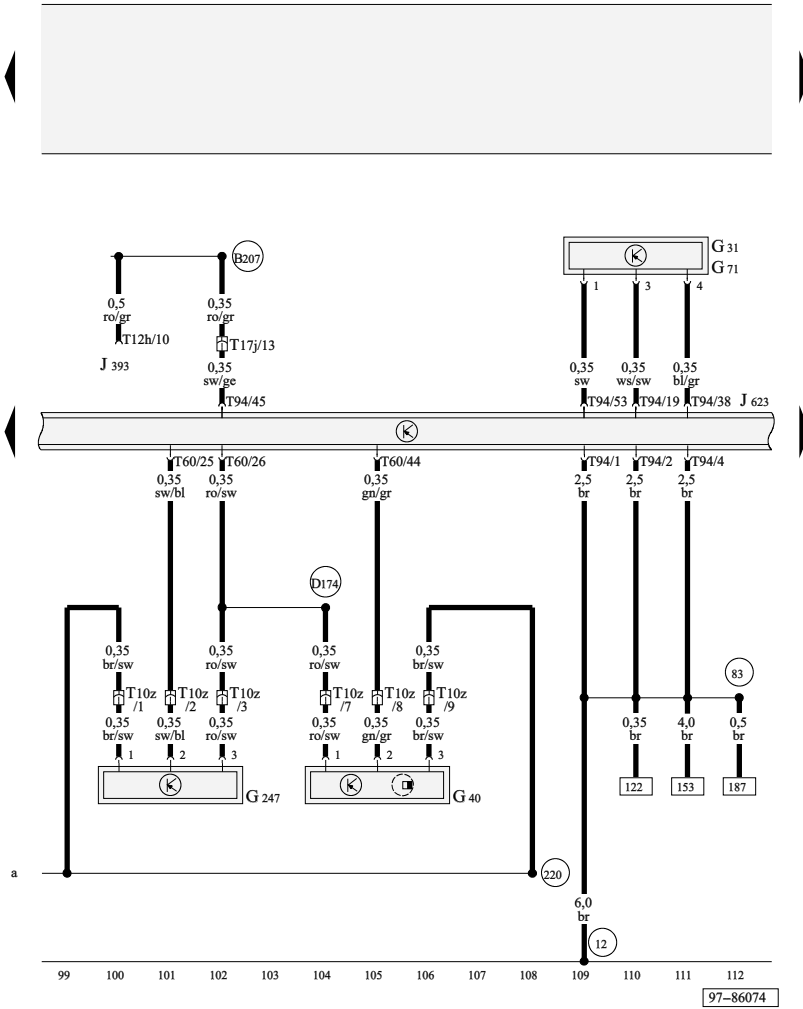
Engine control unit, altitude sender, intake air temperature sender, coolant temperature sender, intake manifold flap potentiometer, fuel pressure sender for low pressure, intake manifold flap motor

- F96 - Altitude sender
- G42 - Intake air temperature sender
- G62 - Coolant temperature sender
- G336 - Intake manifold flap potentiometer
- G410 - Fuel pressure sender for low pressure

- J623 - Engine control unit
- T60 - 60-pin connector, black
- V157 - Intake manifold flap motor
- 220 - Earth connection (sender earth), in engine wiring harness
- D141 - Connection (5V), in engine wiring harness



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



Engine control unit, charge air pressure sender, Hall sender, fuel pressure sender, intake manifold pressure sender

- G31 - Charge air pressure sender
- G40 - Hall sender
- G71 - Intake manifold pressure sender
- G247 - Fuel pressure sender
- J393 - Convenience system central control unit
- J623 - Engine control unit
- T10z - 10-pin connector, black, in engine compartment
- T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
- T17j - 17-pin connector, brown, coupling station on electronics box, plenum chamber
- T60 - 60-pin connector, black
- T94 - 94-pin connector, black
- 12 - Earth point, on left in engine compartment
- 83 - Earth connection 1, in front right wiring harness
- 220 - Earth connection (sender earth), in engine wiring harness
- B207 - Connection (convenience), in interior wiring harness
- D174 - Connection 2 (5V), in engine wiring harness



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

97-86074



Engine control unit, air mass meter, inlet camshaft control valve 1

- G70 - Air mass meter
- J623 - Engine control unit
- N205 - Inlet camshaft control valve 1

- S282 - Engine electronics fuse



- T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber

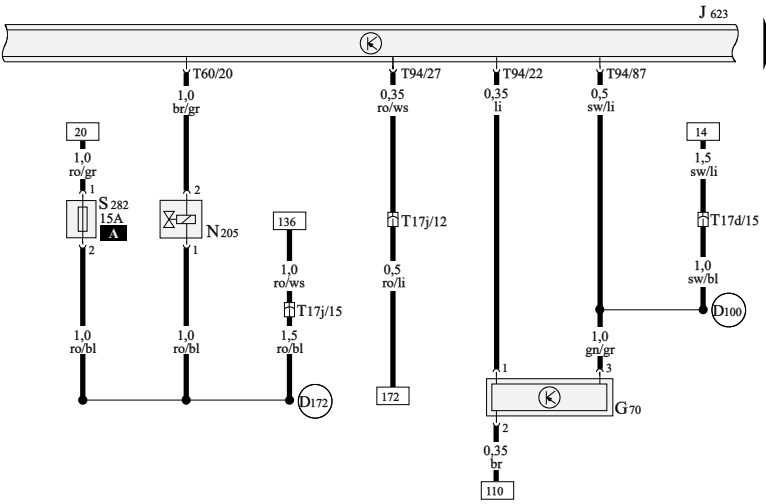
- T17j - 17-pin connector, brown, coupling station on electronics box, plenum chamber

- T60 - 60-pin connector, black

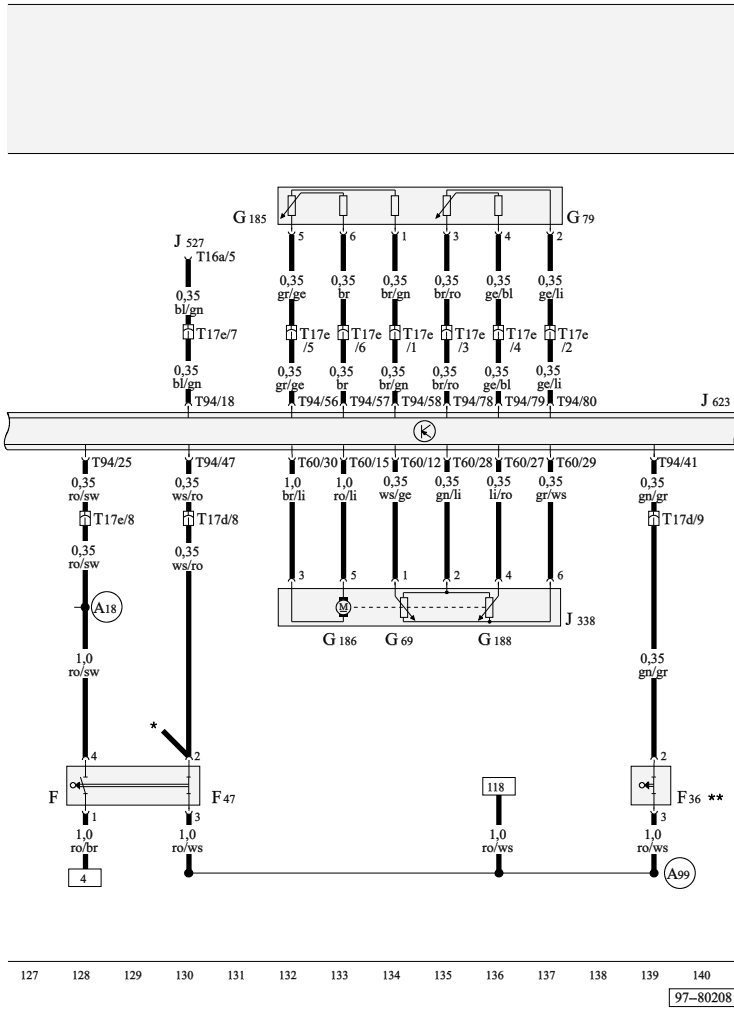
- T94 - 94-pin connector, black

- D100 - Positive connection 2 (15), in engine compartment wiring harness

- D172 - Connection (engine electrics), in engine compartment wiring harness



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



Engine control unit, brake light switch, accelerator position sender, throttle valve module

- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G69 - Throttle valve potentiometer
- G79 - Accelerator position sender
- G185 - Accelerator position sender 2
- G186 - Throttle valve drive (electric power control)
- G188 - Throttle valve drive angle sender 2 for electric throttle
- J338 - Throttle valve module
- J527 - Steering column electronics control unit
- J623 - Engine control unit
- T16a - 16-pin connector, black, on steering column electronics control unit
- T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber
- T17e - 17-pin connector, white, coupling station on electronics box, plenum chamber
- T60 - 60-pin connector, black
- T94 - 94-pin connector, black
- A18 - Connection (54), in dash panel wiring harness
- A99 - Connection 1 (87), in dash panel wiring harness
- * - ⇒ applicable Current Flow Diagram: anti-lock brake system
- ** - for models with manual gearbox only



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

97-80208



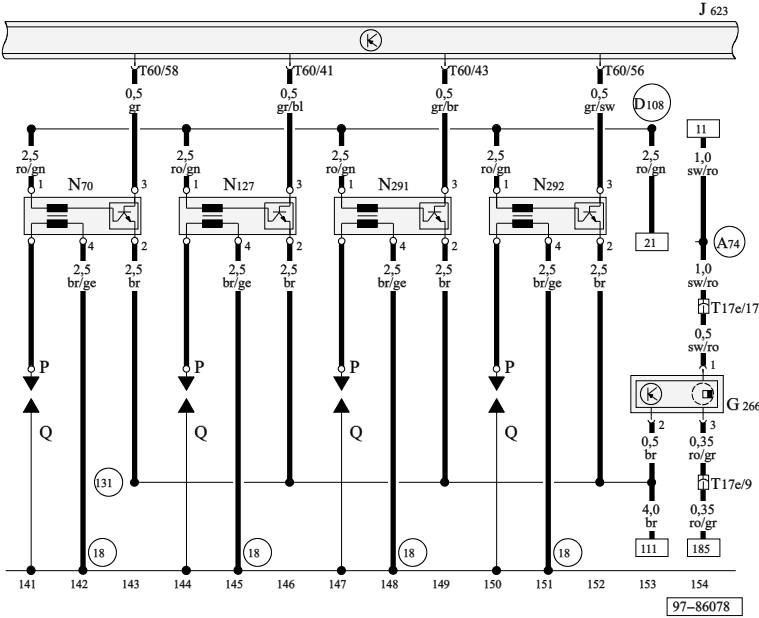
Engine control unit, ignition coils, oil level and oil temperature sender

- G266 - Oil level and oil temperature sender
- 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
- T17e - 17-pin connector, white, coupling station on electronics box, plenum chamber
- T60 - 60-pin connector, black
- 18 - Earth point on engine block
- 131 - Earth connection 2, in engine compartment wiring harness
- A74 - Connection (15a, fuse 5), in dash panel wiring harness
- D108 - Connection 6, in engine compartment wiring harness

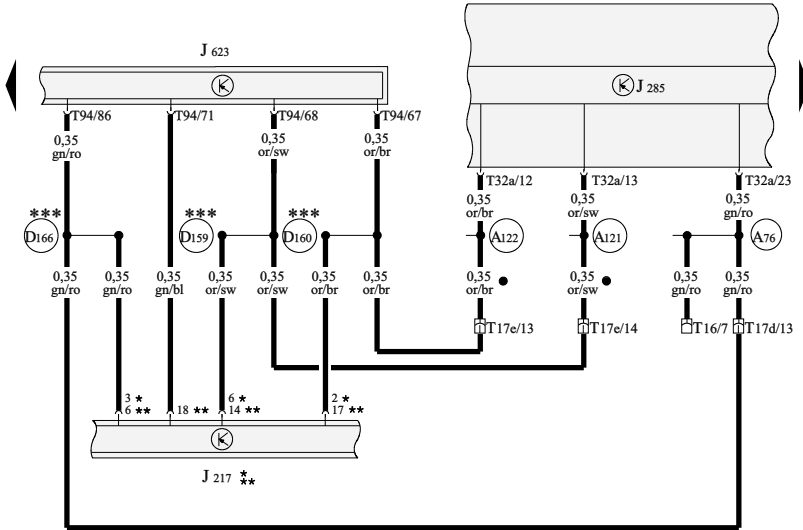
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink



97-86078

Engine control unit, control unit in dash panel insert, automatic gearbox control unit

- J217 - Automatic gearbox control unit 
- J285 - Control unit in dash panel insert 
- J623 - Engine control unit
- T16 - 16-pin connector, black, diagnostic connector
- T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber
- T17e - 17-pin connector, white, coupling station on electronics box, plenum chamber
- T32a - 32-pin connector, green, on dash panel insert
- T94 - 94-pin connector, black
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- D159 - Connection (high bus), in engine compartment wiring harness
- D160 - Connection (low bus), in engine compartment wiring harness
- D166 - Connection (diagnosis wire K), in engine compartment wiring harness
- * - for models with automatic gearbox (AG6) only
- ** - for models with automatic gearbox (multitronic 01J / multitronic 0AN) only
- *** - dropped for models without automatic gearbox
- - Data bus wire (CAN bus)



155 156 157 158 159 160 161 162 163 164 165 166 167 168
97-86075



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

Control unit in dash panel insert, fuel pump control unit, fuel system pressurisation pump, fuel gauge sender 2

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

T5d - 5-pin connector, black, near fuel pump

T32 - 32-pin connector, blue, on dash panel insert

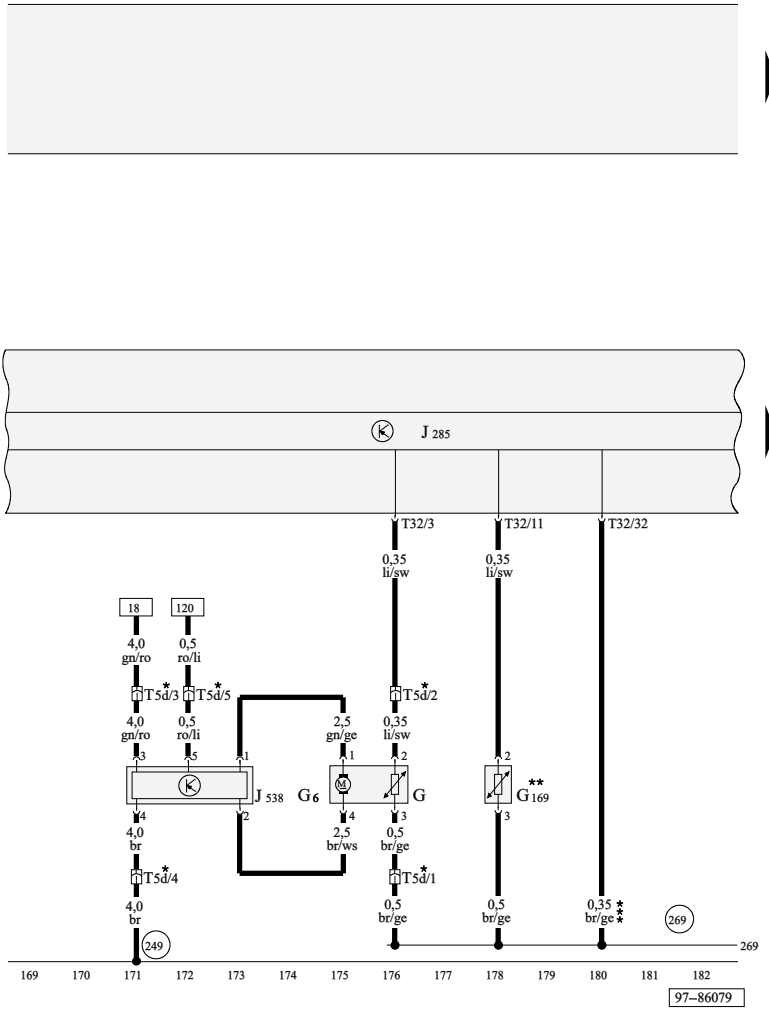
249 - Earth connection 2, in interior wiring harness

269 - Earth connection (sender earth) 1, in dash panel wiring harness

* - Connector is dropped for models with four-wheel drive


** - for models with four-wheel drive only

*** - output for signal earth



97-86079

Control unit in dash panel insert, coolant shortage indicator switch, oil pressure switch

- F1 - Oil pressure switch
- F66 - Coolant shortage indicator switch
- J285 - Control unit in dash panel insert 

- K2 - Alternator warning lamp
- T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber

- T17e - 17-pin connector, white, coupling station on electronics box, plenum chamber

- T32 - 32-pin connector, blue, on dash panel insert

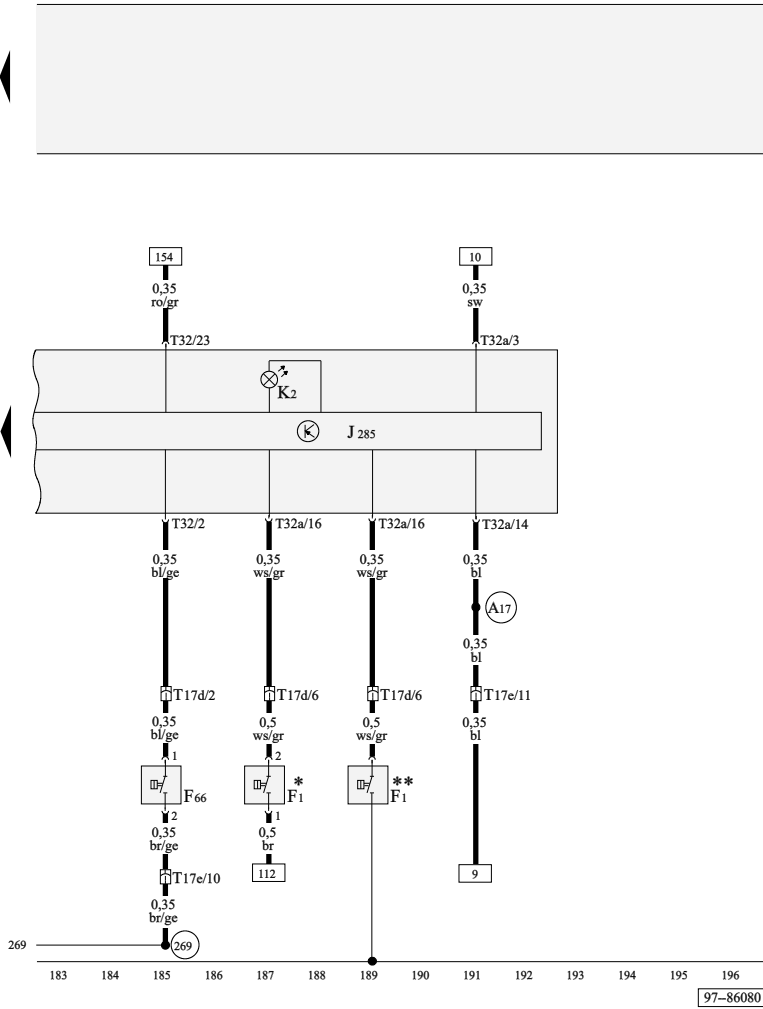
- T32a - 32-pin connector, green, on dash panel insert

- 269 - Earth connection (sender earth) 1, in dash panel wiring harness

- A17 - Connection (61), in dash panel wiring harness

- * - applicable from model year 2006

- ** - applicable from August 2004



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

Все данные взяты с сайта superetka.com/elsa и они полностью бесплатны