

Ibiza/Córdoba/Vario

Current Flow Diagram

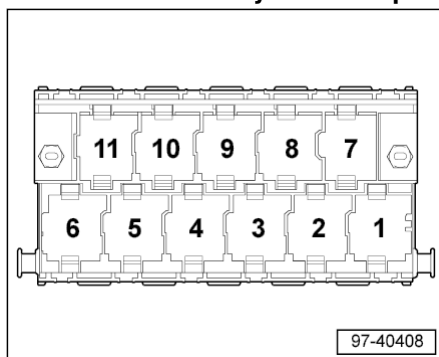
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Edition 11.2001

1.8 I engine 20 V Turbo 115 kW, engine code letters AQX and AYP

From March 2000

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



- 1 - X contact relief relay
- 4 - Relay for fuel shut Crash
- 7 - Relay for secondary air valve
- 8 - Fuel pump relay

**Note:**

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

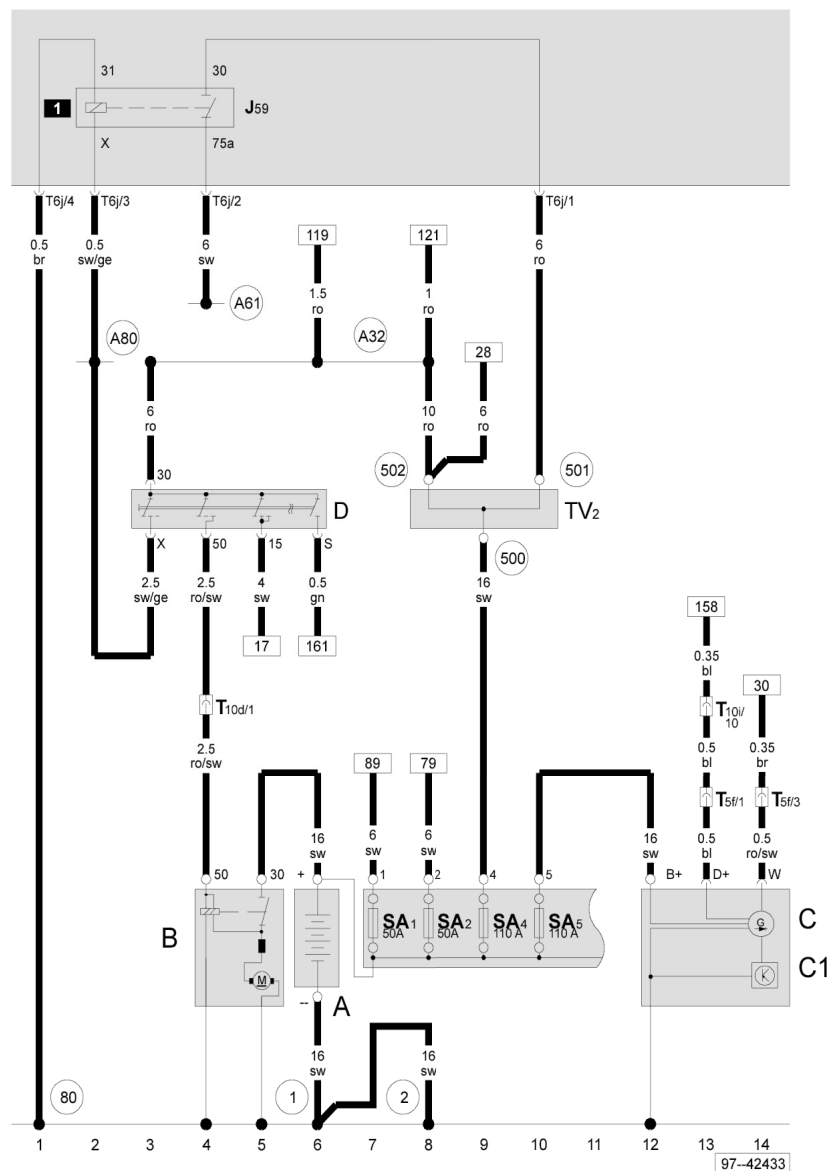
Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5A - brown
- 5 A - beige
- 3 A - lilac

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Current Flow Diagram

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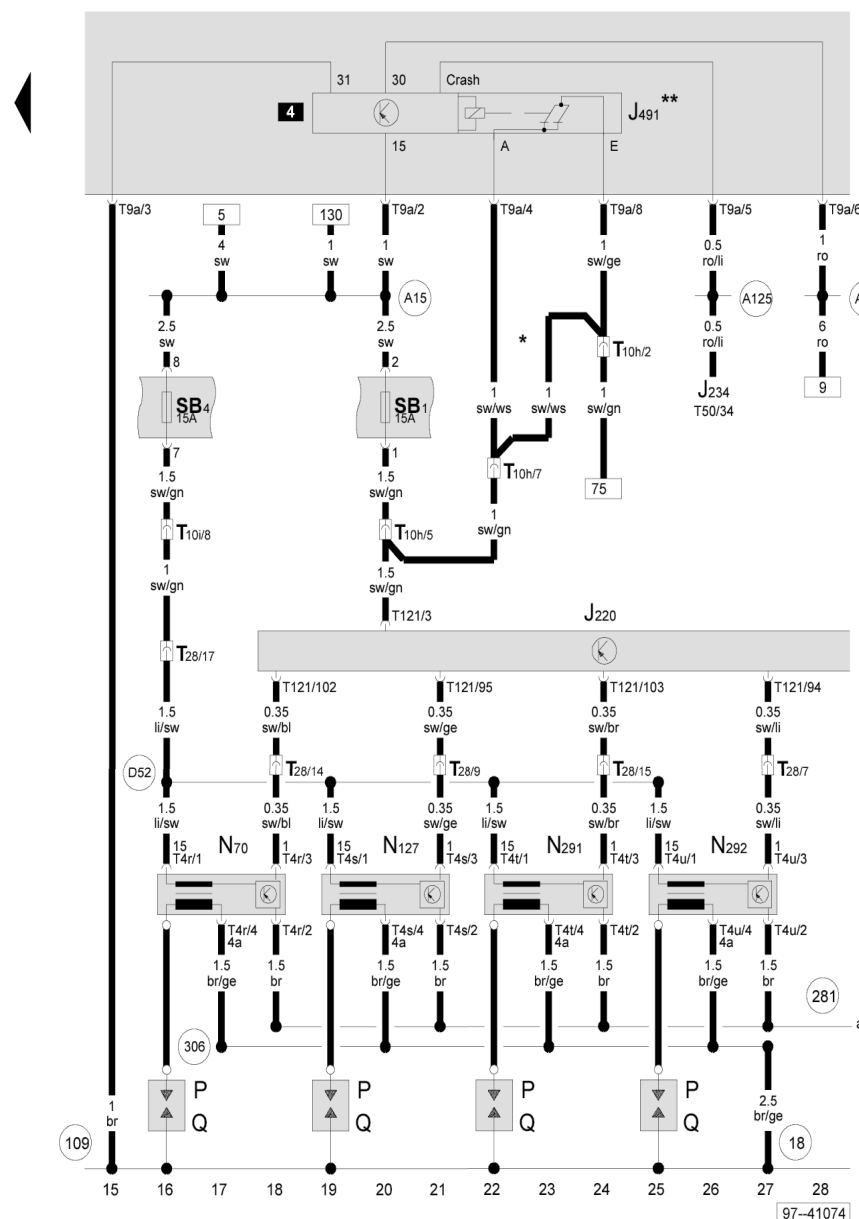
Battery, starter, alternator, voltage regulator, ignition/starter switch, X contact relief relay, terminal 30 junction box

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- J59 - X contact relief relay
- SA1 - Fuse -1- in battery fuse box
- SA2 - Fuse -2- in battery fuse box
- SA4 - Fuse -4- in battery fuse box
- SA5 - Fuse -5- in battery fuse box
- TV2 - Terminal 30 junction box
- T5f - 5-pin connector, black, in engine compartment
- T6j - 6-pin connector, black, on relay carrier
- T10d - 10-pin connector, black, connector point for connector
- T10i - 10-pin connector, red, connector point for connector
- 1 - Earth strap, battery - body
- 2 - Earth strap, gearbox - body
- 80 - Earth connection -1-, in dash panel wiring harness
- 500 - Screw connection -1- (30), on relay plate
- 501 - Screw connection -2- (30), on relay plate
- 502 - Screw connection -1- (30a), on relay plate
- A32 - Positive (+) connection (30), in dash panel wiring harness
- A61 - Positive (+) connection (X), in dash panel wiring harness
- A80 - Connection -1- (X), in dash panel wiring harness

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Current Flow Diagram

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Motronic control unit, ignition coils with output stage 1, 2, 3 and 4, fuel shut-off control unit (Crash)

- J220 - Motronic control unit
- J234 - Airbag control unit (01321)
- 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
- SB1 - Fuse -1- on fuse holder
- SB4 - Fuse -4- on fuse holder
- T4r - 4-pin connector, black, engine pre-wiring
- T4s - 4-pin connector, black, engine pre-wiring
- T4t - 4-pin connector, black, engine pre-wiring
- T4u - 4-pin connector, black, engine pre-wiring
- T9a - 9-pin connector, black, on relay carrier mount
- T10h - 10-pin connector, violet, on coupling station
- T10i - 10-pin connector, red, on coupling station
- T28 - 28-pin connector, with engine pre-wiring
- T50 - 50-pin connector, yellow
- T121 - 121-pin connector, black
- J491 - Fuel shut-off control unit (Crash)
- 18 - Earth point, on cylinder block
- 109 - Earth connection, in airbag wiring harness
- 306 - Earth connection (ignition coils), in engine pre-wiring harness
- A15 - Positive connection (15), in instrument wiring harness
- A98 - Positive connection -4- (30), in dash panel wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- D52 - Positive connection (15a), in engine compartment wiring harness

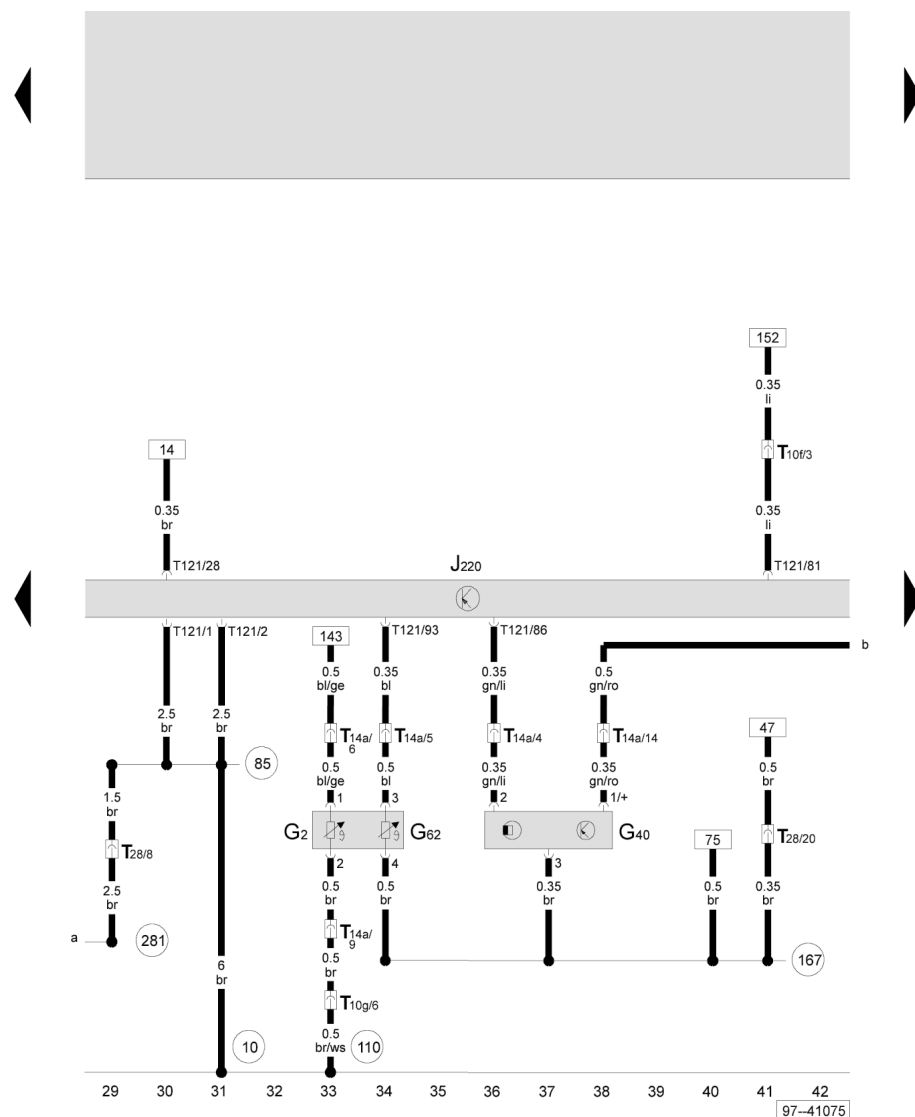
ws = white
 sw = black
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

- * - Vehicles without airbag only
- ** - Vehicles with airbag only

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Current Flow Diagram

No. 92 / 4



Motronic control unit, coolant temperature sender, Hall sender

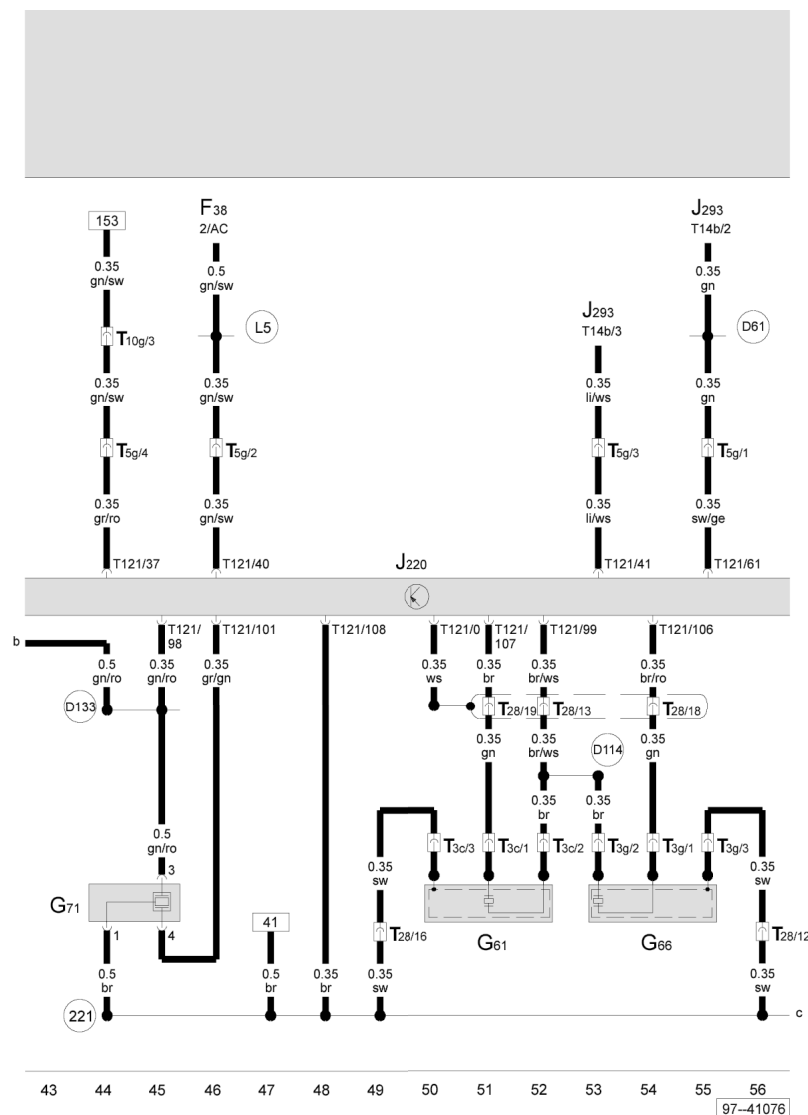
- G2 - Coolant temperature sender (01039)
- G40 - Hall sender (00515-2113)
- G62 - Coolant temperature sender (00522-2312)
- J220 - Motronic control unit
- T10f - 10-pin connector, brown, on coupling station
- T10g - 10-pin connector, green, on coupling station
- T14a - 14-pin connector, brown
- T28 - 28-pin connector, with engine pre-wiring
- T121 - 121-pin connector, black
- 10 - Earth point, in plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- 110 - Earth connection -2-, in wiring harness for instruments
- 167 - Earth connection -4-, in engine compartment wiring harness
- 281 - Earth connection -1-, in engine pre-wiring wiring harness

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

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Current Flow Diagram

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Motronic control unit, intake manifold pressure sender, knock sensor I, knock sensor II

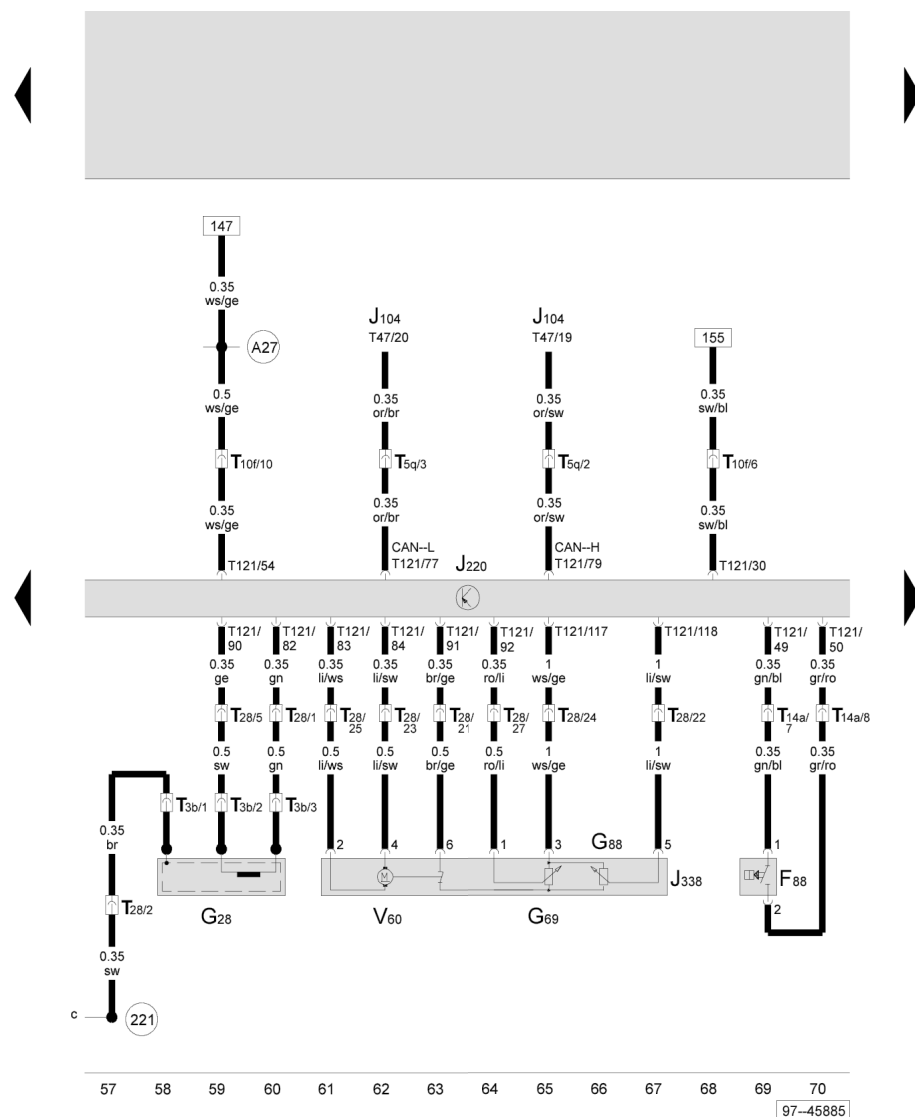
- F38 - Ambient temperature switch
- G61 - Knock sensor I (00524-2142)
- G66 - Knock sensor II (00540-2144)
- G71 - Intake manifold pressure sender (00519-2222)
- J220 - Motronic control unit
- J293 - Radiator fan control unit (00831)
- T3c - 3-pin connector, black in engine pre-wiring
- T3g - 3-pin connector, black in engine pre-wiring
- T5g - 5-pin connector, brown, on coupling station
- T10g - 10-pin connector, green, in coupling station
- T14b - 14-pin connector
- T28 - 28-pin connector, in engine pre-wiring
- T121 - 121-pin connector, black
- 221 - Earth connection (engine earth), in engine wiring harness
- D61 - Connection (air conditioner), in engine compartment wiring harness
- D114 - Connection -12-, in engine compartment wiring harness
- D133 - Connection (hall sender signal), engine compartment wiring harness
- L5 - Connection -1-, in air conditioner wiring harness

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Current Flow Diagram

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Motronic control unit, power steering pressure switch, engine revs sender, throttle valve control unit

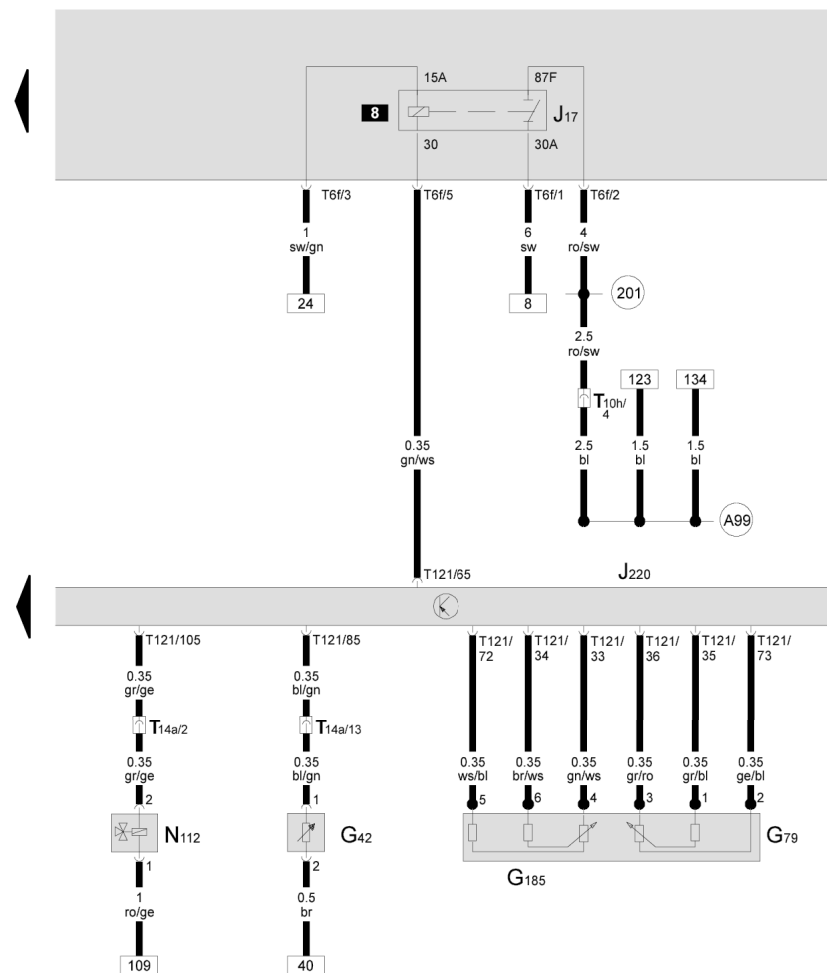
- F88 - Power steering pressure switch (00557)
- G28 - Engine revs sender (00513-2111)
- G69 - Throttle valve potentiometer (00518-2212)
- G88 - Throttle valve positioner-potentiometer (00530-2124)
- V60 - Throttle valve positioner (00282-1232)
- J104 - ABS with EDL control unit
- J220 - Motronic control unit
- J338 - Throttle valve control unit (01165)
- T5q - 5-pin connector
- T10f - 10-pin connector, brown, in coupling station
- T14a - 14-pin connector, brown
- T28 - 28-pin connector, in engine pre-wiring
- 221 - Earth connection (engine earth), in engine wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness

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bl = blue
gr = grey
li = purple
ge = yellow
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Current Flow Diagram

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Control unit for Motronic, fuel pump relay, secondary air inlet valve, inlet air temperature sender, coolant temperature sender

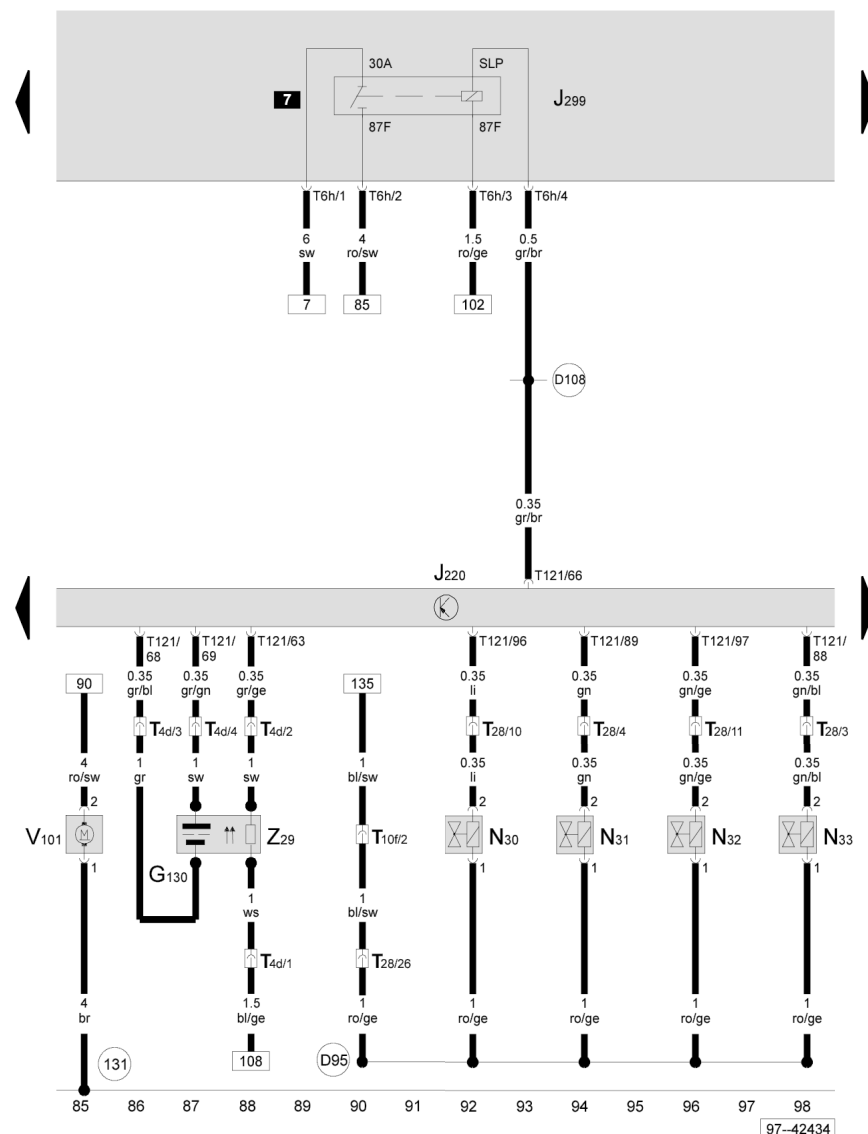
- G42 - Inlet air temperature sender
- G79 - Accelerator pedal position sender
- G185 - Accelerator position sender -2-
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N112 - Secondary air inlet valve
- T10h - 10 way connector, purple, in the couplings distributor
- T14a - 14-way connector, brown
- 201 - Earth connection -5-, engine bay wiring harness
- A99 - Connection -1- (87), dash panel insert wiring harness

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Current Flow Diagram

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Control unit for Motronic, secondary air pump relay, Lambda probe after catalytic converter, cylinder 1 injector, cylinder 2 injector, cylinder 3 injector, secondary air pump motor

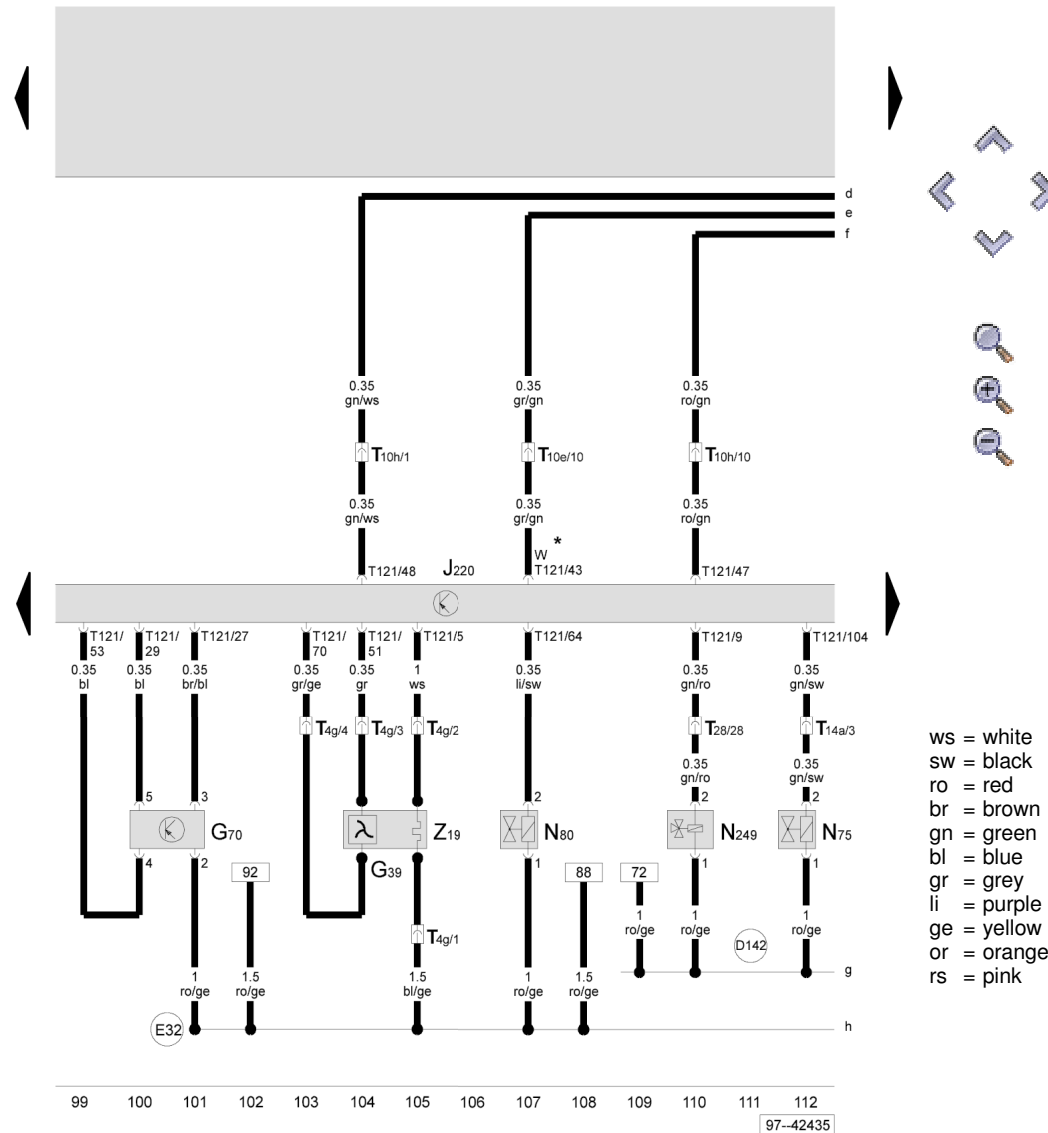
- G130 - Lambda probe after catalytic converter
- J220 - Motronic control unit
- J299 - secondary air pump relay
- N30 - Injector cylinder 1
- N31 - Cylinder 2 injector
- N32 - Cylinder 3 injector
- N33 - Cylinder 4 injector
- V101 - secondary air pump motor
- Z29 - Lambda probe 1 heating, after catalytic converter
- T4d - 4-way connector, black, exhaust pipe
- T6h - 6-way connector, black, in relay carrier mounting
- T10f - 10 way connector, brown, in the couplings distributor
- T28 - 28-way connector, engine precabled
- T121 - 121-way connector, black
- 131 - Earth connection -2-, in the engine compartment wiring harness
- D95 - Connection (injectors) in engine bay wiring harness
- D108 - Connection -6-, engine bay wiring harness

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

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Current Flow Diagram

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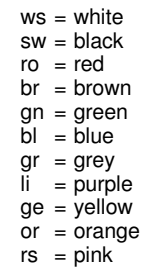
Control unit for Motronic, air volume meter, lambda probe, supercharging pressure limiter solenoid valve, air recirculation valve for turbocompressor

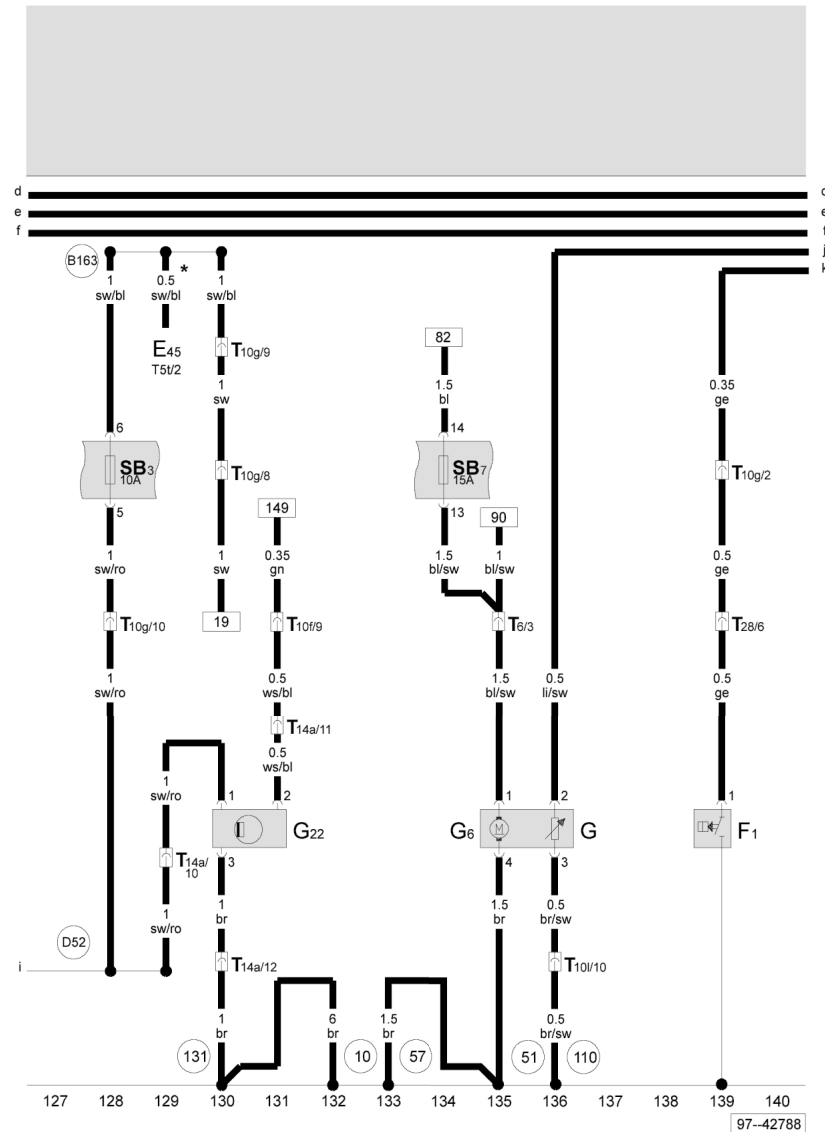
- G39 - Lambda probe
- G70 - Air mass meter
- J220 - Motronic control unit
- N75 - Solenoid valve to limit supercharging pressure
- N80 - Activated charcoal filter system solenoid valve I (pulsed)
- N249 - Air recirculation valve for turbocompressor
- Z19 - Lambda probe heating
- T4g - 4-way connector
- T10e - 10 way connector, white, in the couplings distributor
- T10h - 10 way connector, purple, in the couplings distributor
- T14a - 14-way connector, brown
- T28 - 28-way connector, engine precabled
- T121 - 121-way connector, black
- D142 - Connection, engine bay wiring harness

- E32 - Connection (87), Motronic engine wiring harness

- * - W self-diagnosis line

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

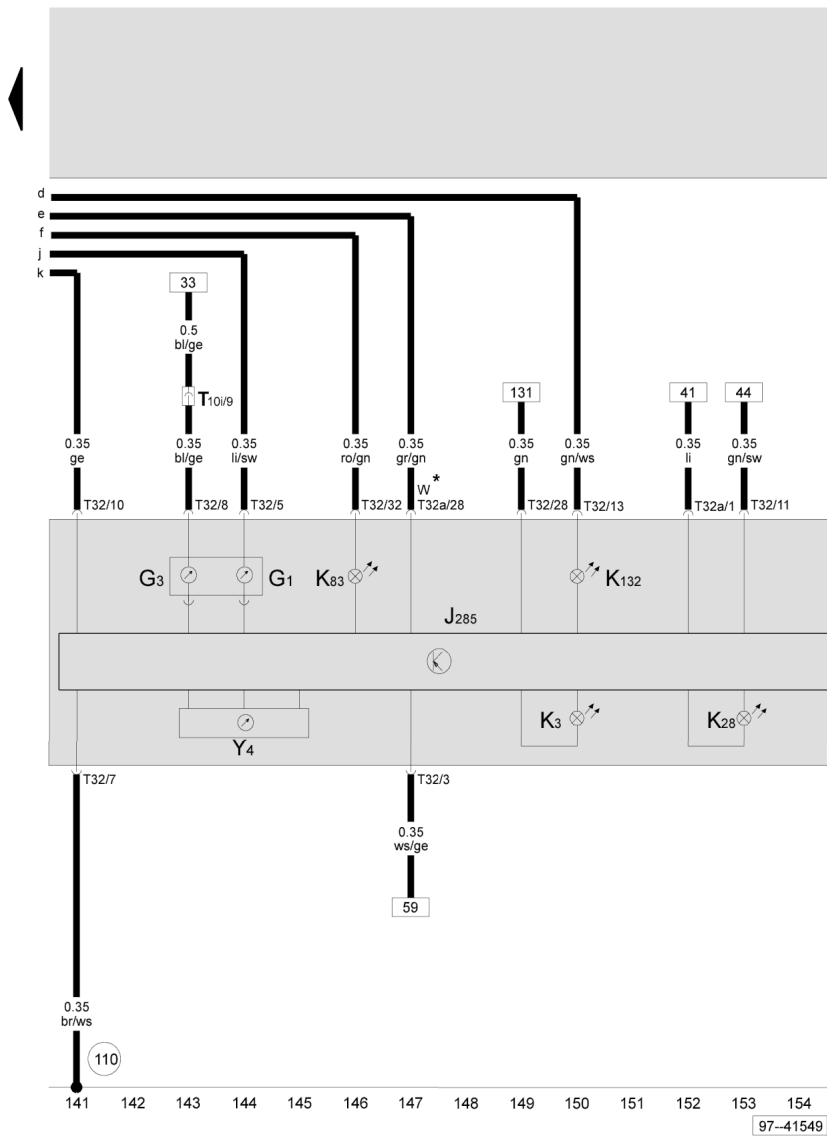
Fuel level sender, fuel pump (pre-supply pump), speedometer sender, oil pressure switch,

- E45 - GRA switch
- F1 - Oil pressure switch
- G - Fuel level sender
- G6 - Fuel pump (pre-supply pump)
- G22 - Speedometer sender
- T6 - 6-way connector, khaki grey
- T10f - 10 way connector, brown, in the couplings distributor
- T10g - 10 way connector, green, in the couplings distributor
- T10l - 10 way connector, orange, in the couplings distributor
- T14a - 14-way connector, brown
- T28 - 28-way connector, engine precabled
- 10 - Plenum chamber earthing point
- 51 - Earth point, boot, on the right
- 57 - Earth point, rear strut, left
- 110 - Earth connection -2-, instrument panel wiring harness
- 131 - Earth connection -2-, in the engine compartment wiring harness
- B163 - Positive connection -1- (15), interior wiring harness
- D52 - Positive connection (15a), engine bay wiring harness
- * - Only vehicles with GRA

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Current Flow Diagram

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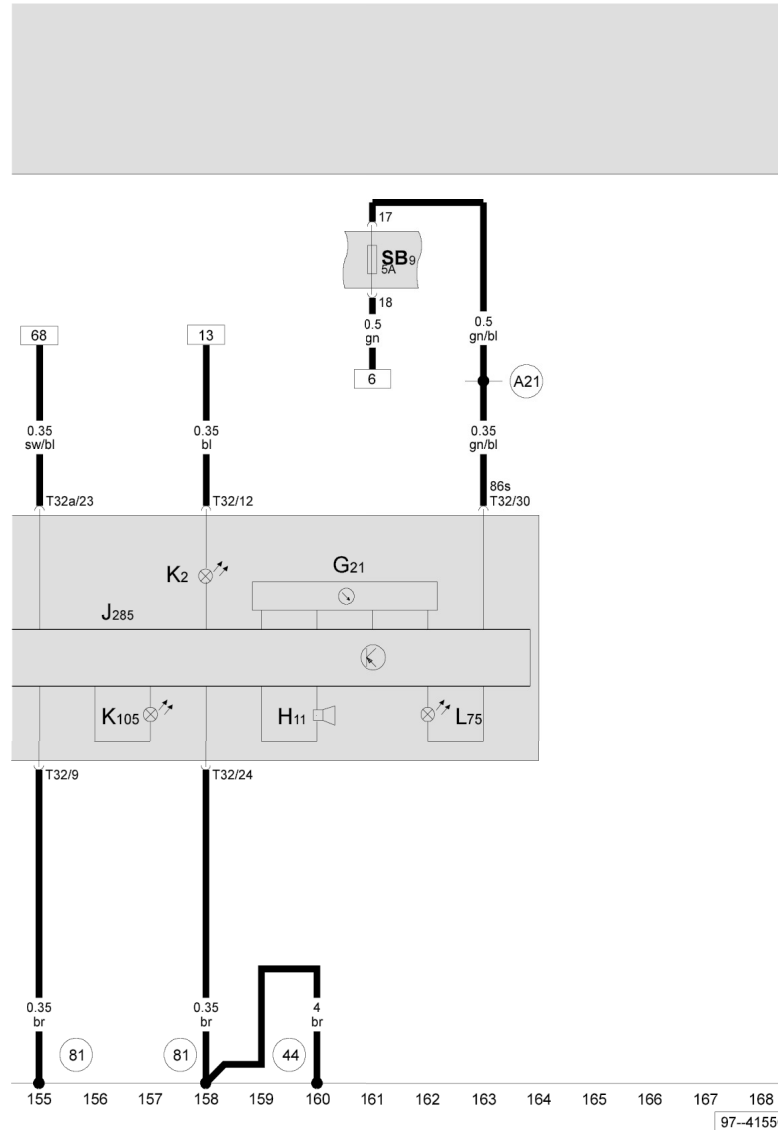


- Control unit with warning lamps on dash panel insert, fuel gauge, coolant temperature gauge, odometer**
- G1 - Fuel gauge
 - G3 - Coolant temperature gauge
 - J285 - Control unit with warning lamps on the dash panel insert
 - K3 - Oil pressure warning lamp
 - K28 - Temperature warning lamp/coolant level warning lamp
 - K83 - Exhaust emissions warning lamp
 - K132 - Electronic power control fault lam
 - T10I - 10-way connector, red, in the couplings distributor
 - T32 - 32-way connector, blue, instrument panel
 - T32a - 32-way connector, green, instrument panel
 - Y4 - Odometer
 - 110 - Earth connection -2-, instrument panel wiring harness
- * - W self-diagnosis line

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Current Flow Diagram

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Control unit with display in dash panel insert, speedometer, oil pressure warning buzzer, alternator warning lamp

- G21 - Speedometer (00663)
- H11 - Oil pressure warning buzzer
- J285 - Control unit with display in dash panel insert (01317)
- K2 - Alternator warning lamp
- L75 - Digital display illumination
- SB9 - Fuse -9- on fuse holder
- T32 - 32-pin connector, blue, in dash panel insert
- T32a - 32-pin connector, green, in dash panel insert
- 44 - Earth point, A-pillar left, bottom
- 81 - Earth connection -1-, in dash panel wiring harness
- A21 - Connection (86s), in dash panel wiring harness

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