

Audi TT

Current Flow Diagram

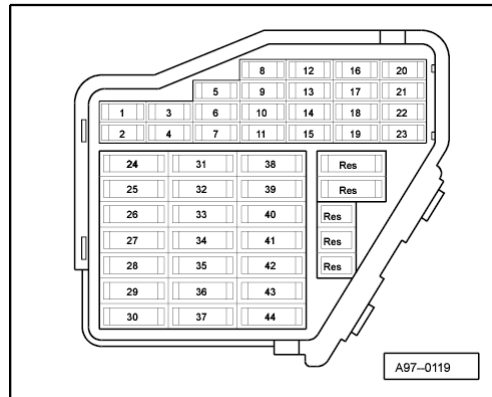
No. 75 / 1

Edition 05.2005

1.8 I - Fuel injection engine, 110 kW / 132 kW / 165 kW, Motronic, 4-cylinder, engine codes AUM / AUQ, ARY / BAM
from model year 2003

1.8 I - Fuel injection engine, 120 kW / 140 kW / 176 kW, Motronic, 4-cylinder, engine code BVP / BVR / BFV
from model year 2003

Fuse holder



Fuse colours

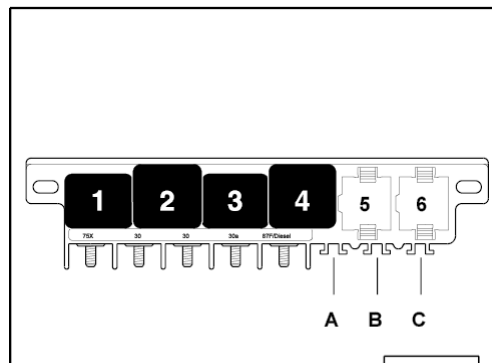
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7,5 A - brown
- 5 A - beige

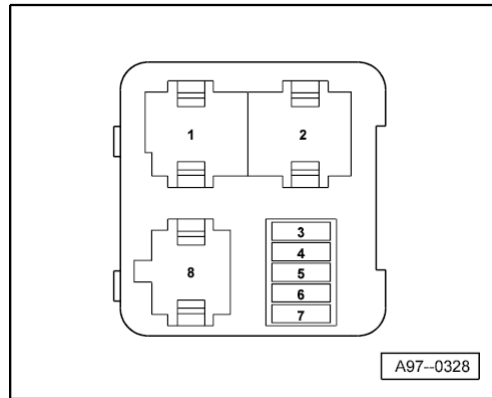


Note:

From fuse number 23 upwards the fuses in the fuse holder are designated as 223 in the Current Flow Diagram.

Micro-central electrics

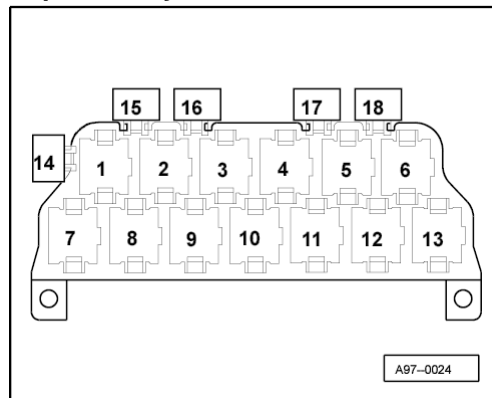




Relay positions

- 1 - Secondary air pump relay (J299)
- 2 - Motronic current supply relay (J271)

13-point relay carrier



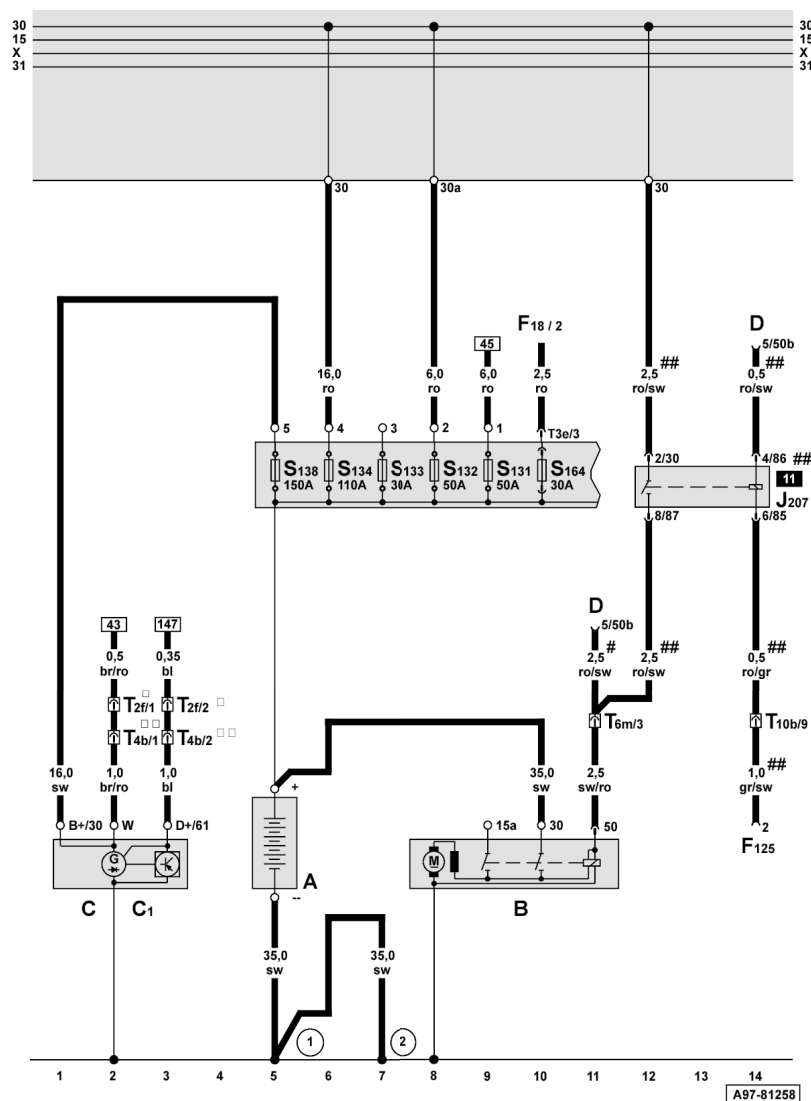
Relay positions

- 11 - Starter inhibitor relay (J207)

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Current Flow Diagram

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

Battery, starter, alternator, main fuse box/battery, starter motor relay

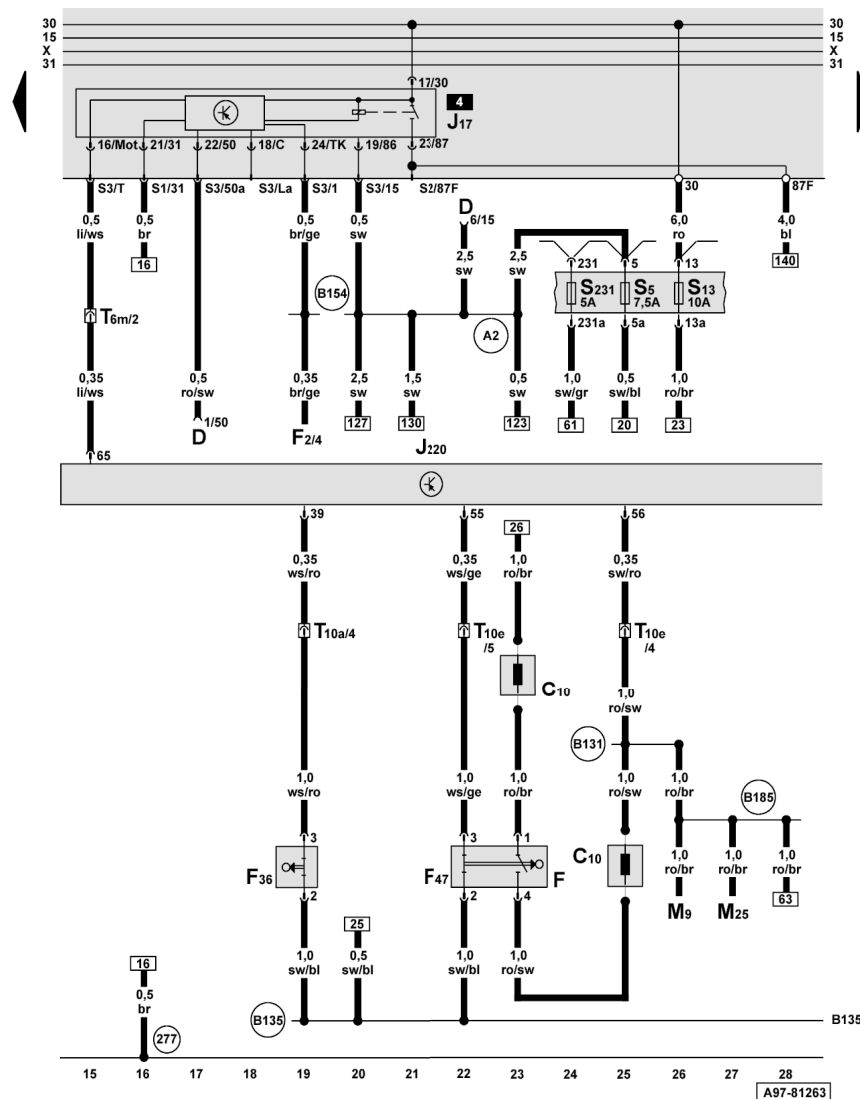
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Thermal switch for radiator fan
- F125 - Multifunction switch
- J207 - Starter inhibitor relay
- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- S138 - Fuse 5
- S164 - Fuse 3 (30), in fuse holder on battery
- T2f - 2-pin connector, cable channel, on left in engine compartment
- T3e - 3-pin connector, black, on main fuse box/battery
- T4b - 4-pin connector, in left engine compartment
- T6m - 6-pin connector, brown, in plenum chamber
- T10b - 10-pin connector, grey, in plenum chamber
- 1 - Earth strap, battery - body
- 2 - Earth strap, gearbox - body
- * - models with manual heating control
- ** - models with air conditioning system
- # - models with manual gearbox
- ## - models with automatic gearbox 09G

A97-81258

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Current Flow Diagram

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Motronic control unit, fuel pump relay, brake light switch, clutch pedal switch

- C10 - Suppression filter
- D - Ignition/starter switch
- F - Brake light switch
- F2 - Driver door contact switch
- F36 - Clutch pedal switch
- F47 - Cruise control system brake pedal switch
- J17 - Fuel pump relay
- J220 - Motronic control unit
- M9 - Left brake light bulb
- M25 - High level brake light bulb
- S5 - Fuse in fuse holder
- S13 - Fuse in fuse holder
- S231 - Fuse 31 in fuse holder
- T6m - 6-pin connector, brown, in plenum chamber
- T10a - 10-pin connector, white, in plenum chamber
- T10e - 10-pin connector, black, in plenum chamber
- 277 - Earth connection 3, in interior wiring harness, behind centre dash panel
- A2 - Positive connection (15), in dash panel wiring harness
- B131 - Connection (54), in interior wiring harness
- B135 - Connection (15a), in interior wiring harness
- B154 - Connection 1 (DCt), in interior wiring harness
- B185 - Connection 2 (54), in interior wiring harness

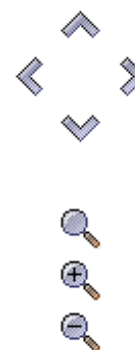
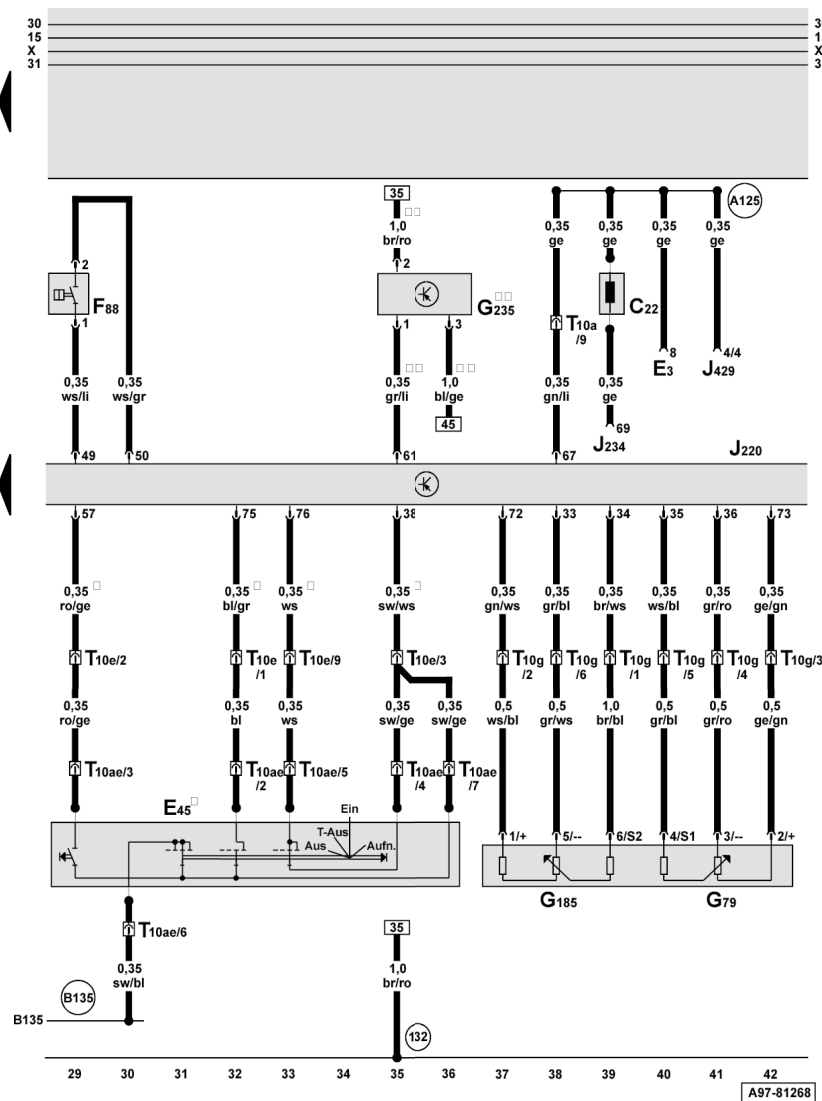
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

A97-81263

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Current Flow Diagram

No. 75 / 4



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

Motronic control unit, power assisted steering pressure switch, cruise control system, accelerator position sender

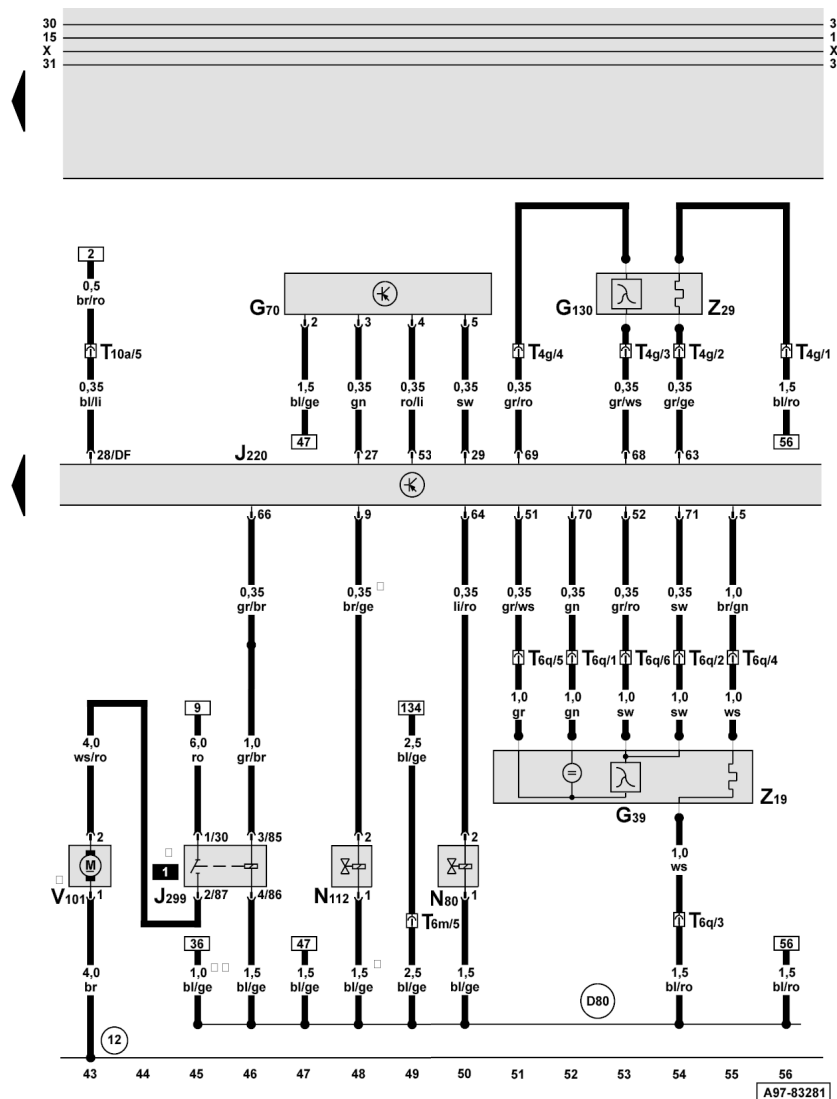
- C22 - Interference suppression choke for airbag
- E3 - Hazard warning light switch
- E45 - Cruise control system switch
- F88 - Power assisted steering pressure switch
- G79 - Accelerator position sender
- G185 - Accelerator position sender -2-
- G235 - Exhaust gas temperature sender 1
- J220 - Motronic control unit
- J234 - Airbag control unit
- J429 - Central locking control unit
- T10a - 10-pin connector, white, in plenum chamber
- T10e - 10-pin connector, black, in plenum chamber
- T10g - 10-pin connector, blue, in plenum chamber
- T10ae - 10-pin connector, on cruise control system switch
- 132 - Earth connection -3-, in engine compartment wiring harness
- A125 - Connection (crash signal), in dash panel wiring harness
- B135 - Connection (15a), in interior wiring harness

- * - models with cruise control system
- ** - only engine BAM

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Current Flow Diagram

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Motronic control unit, secondary air pump, lambda probe, air mass meter, active charcoal filter system solenoid valve

- G39 - Lambda probe
- G70 - Air mass meter
- G130 - Lambda probe after catalytic converter
- J220 - Motronic control unit
- J299 - Secondary air pump relay
- N80 - Activated charcoal filter system solenoid valve 1 (pulsed)
- N112 - Secondary air inlet valve
- T4g - 4-pin connector, on right in engine compartment, for lambda probe after catalytic converter
- T6m - 6-pin connector, brown, in plenum chamber
- T6q - 6-pin connector, on right in engine compartment, for lambda probe
- T10a - 10-pin connector, white, in plenum chamber
- V101 - Secondary air pump motor
- Z19 - Lambda probe heater
- Z29 - Lambda probe heater after catalytic converter
- 12 - Earth point, on left in engine compartment

D80 - Positive connection (87a, for active charcoal filter system solenoid valve), in engine compartment wiring harness

- * - only engine ARY, AUQ, AUM
- ** - only engine BAM

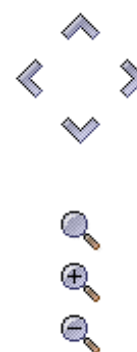
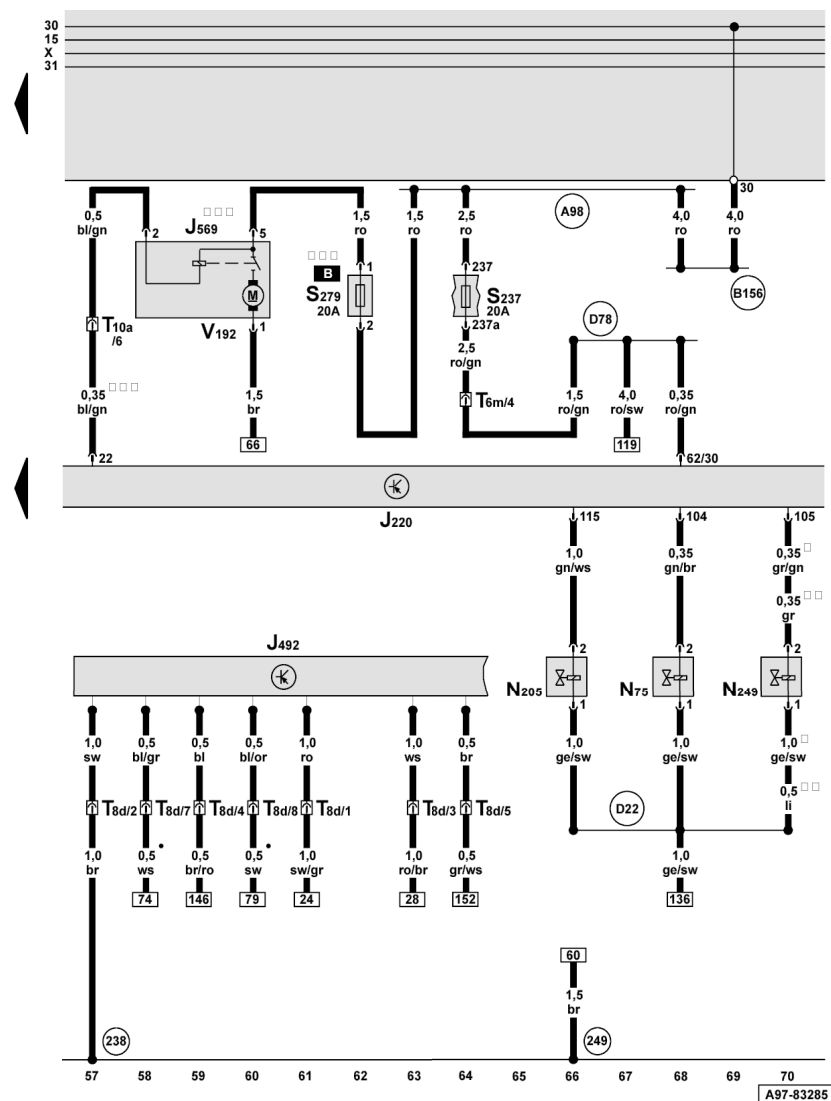
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 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

A97-83281

Audi TT

Current Flow Diagram

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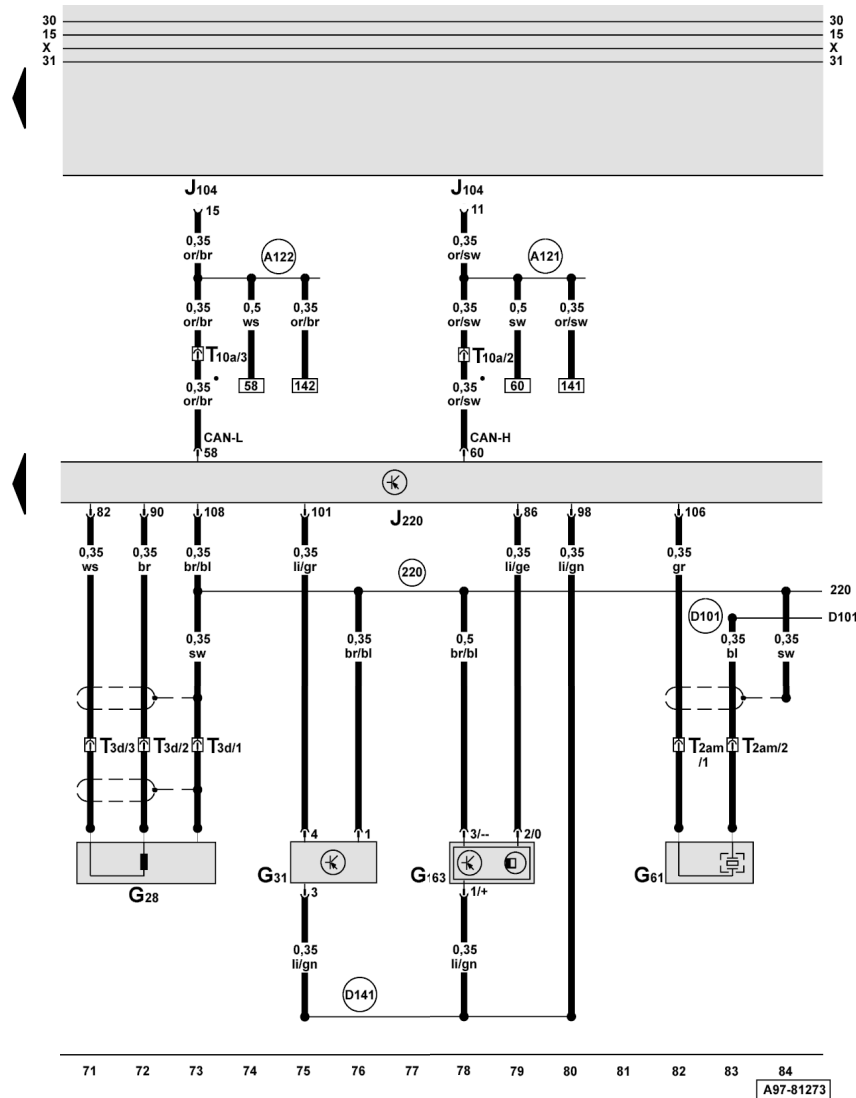
Motronic control unit, four-wheel drive control unit, charge pressure control solenoid valve, turbocharger air recirculation valve

- J220 - Motronic control unit
- J492 - Four-wheel drive control unit
- J569 - Brake servo relay
- N75 - Charge pressure control solenoid valve
- N205 - Inlet camshaft control valve 1
- N249 - Turbocharger air recirculation valve
- S237 - Fuse 37 in fuse holder
- S279 - Hydraulic pump relay fuse
- T6m - 6-pin connector, brown, in plenum chamber
- T8d - 8-pin connector, on four-wheel drive control unit
- T10a - 10-pin connector, white, in plenum chamber
- V192 - Vacuum pump for brakes
- 238 - Earth connection 1, in interior wiring harness, near luggage compartment light
- 249 - Earth connection 2, in interior wiring harness
- A98 - Positive connection 4 (30), in dash panel wiring harness
- B156 - Positive connection 4 (30), in interior wiring harness
- D22 - Connection (via fuse 234), in front right wiring harness
- D78 - Positive connection 1 (30a), in engine compartment wiring harness
- - CAN bus (data wire)
- * - engine ARY, AUM, AUQ
- ** - engine BAM
- *** - models with automatic gearbox

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Current Flow Diagram

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Motronic control unit, engine speed sender, charge air pressure sender, Hall sender, knock sensor 1

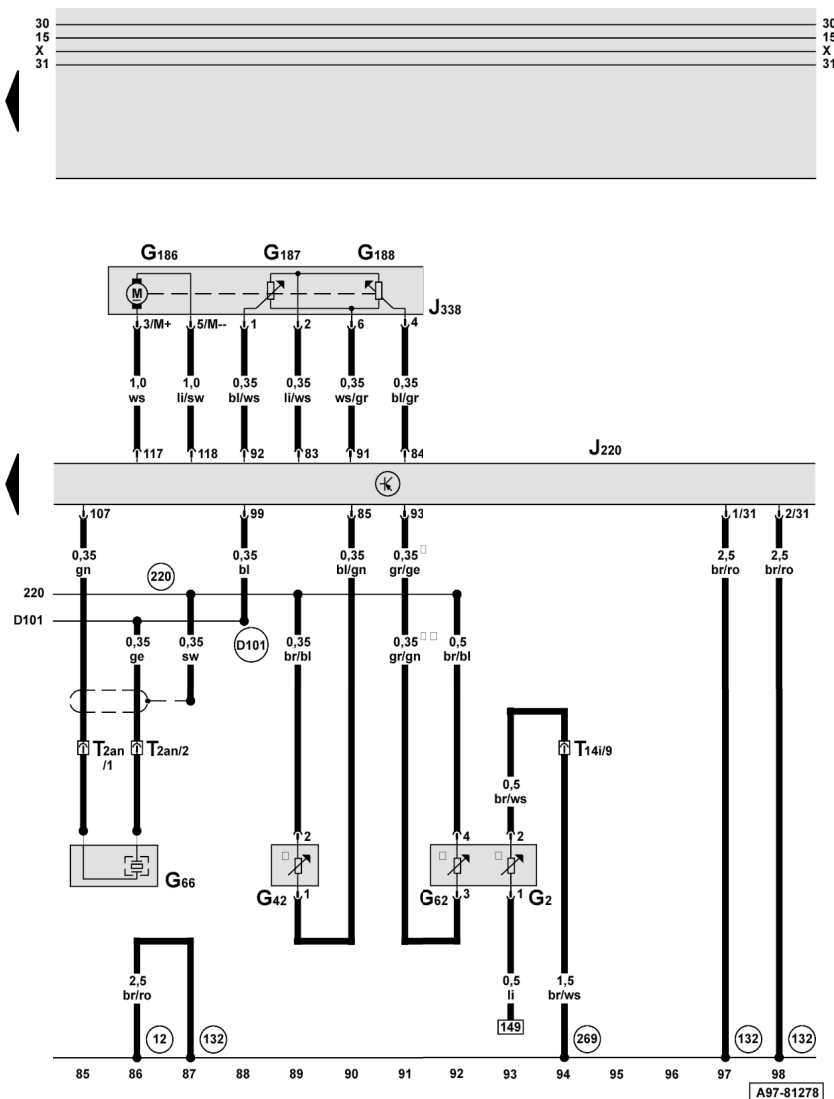
- G28 - Engine speed sender
- G31 - Charge air pressure sender
- G61 - Knock sensor 1
- G163 - Hall sender
- J104 - ABS control unit with EDL
- J220 - Motronic control unit
- T2am - 2-pin connector, black, in engine compartment
- T3d - 3-pin connector, grey, in engine compartment
- T10a - 10-pin connector, white, in plenum chamber
- 220 - Earth connection (sender earth), in engine wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- D101 - Connection 1, in engine compartment wiring harness
- D141 - Connection (5V), in engine wiring harness
- - CAN bus (data wire)

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Current Flow Diagram

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

Motronic control unit, knock sensor 2, intake air temperature sender, coolant temperature sender, throttle valve module

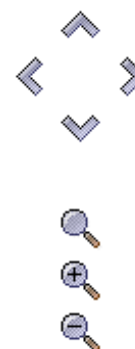
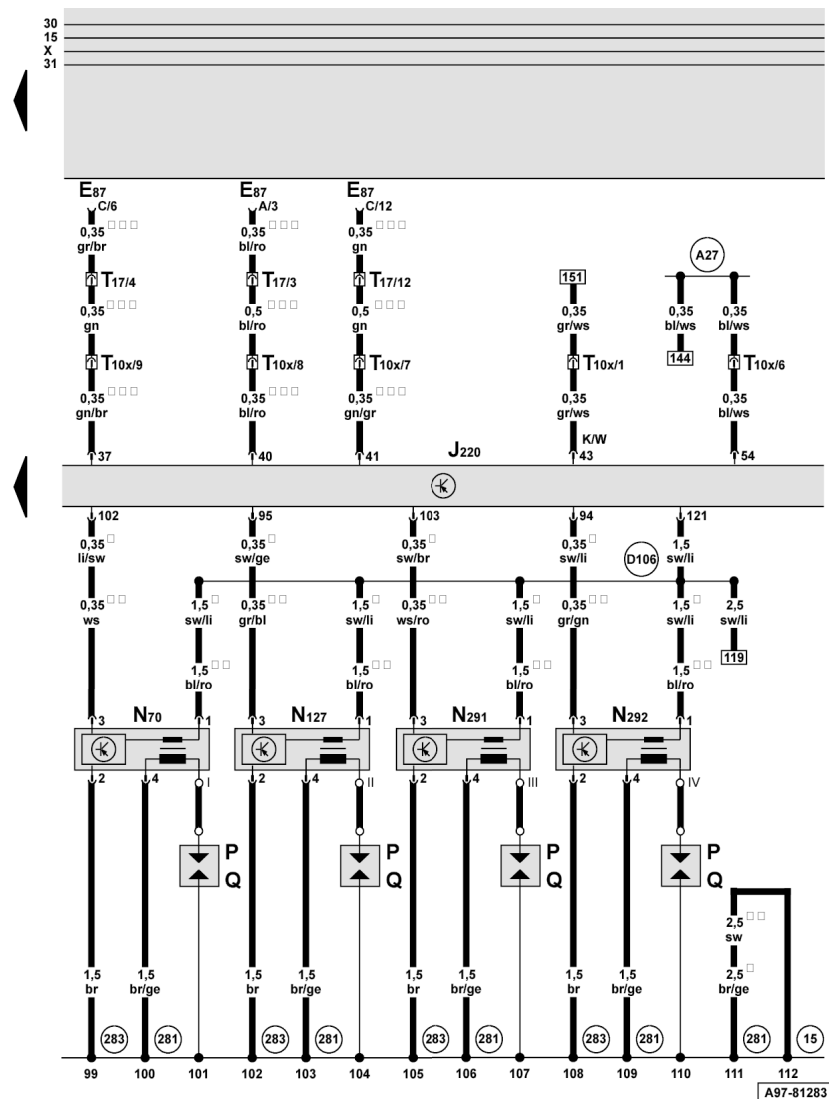
- G2 - Coolant temperature sender
- G42 - Intake air temperature sender
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- G186 - Throttle valve drive (electric power control)
- G187 - Throttle valve drive angle sender 1 (electric power control)
- G188 - Throttle valve drive angle sender 2 (electric power control)
- J220 - Motronic control unit
- J338 - Throttle valve module
- T2an - 2-pin connector, black, in engine compartment
- T14i - 14-pin connector, in left engine compartment
- 12 - Earth point, on left in engine compartment

- 132 - Earth connection -3-, in engine compartment wiring harness
- 220 - Earth connection (sender earth), in engine wiring harness
- 269 - Earth connection (sender earth) 1, in dash panel wiring harness
- D101 - Connection 1, in engine compartment wiring harness
- * - engine AUM, AUQ, ARY
- ** - engine BAM

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Current Flow Diagram

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

Motronic control unit, ignition coils

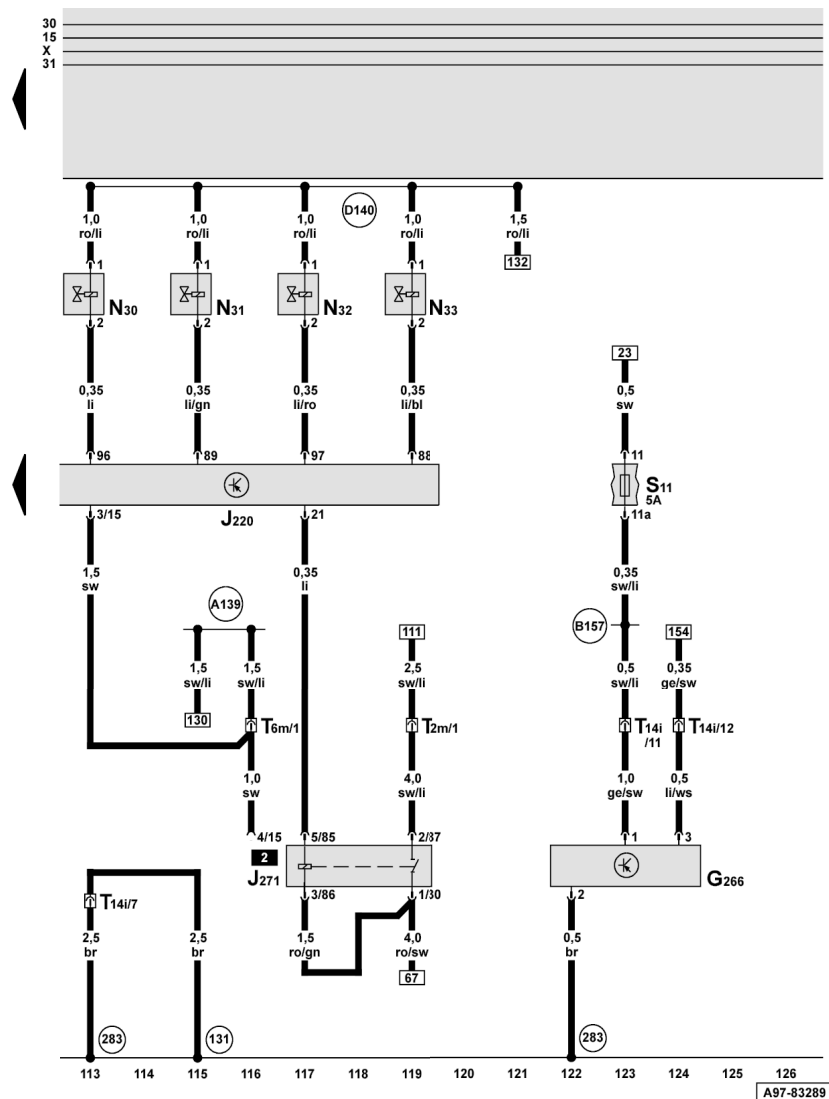
- E87 - Operating and display unit for air conditioning system
- J220 - Motronic control unit
- N70 - Ignition coil 1 with output stage
- N127 - Ignition coil 2 with output stage
- N291 - Ignition coil 3 with output stage
- N292 - Ignition coil 4 with output stage
- P - Spark plug connector
- Q - Spark plugs
- T10x - 10-pin connector, orange, in plenum chamber
- T17 - 17-pin connector, behind right dash panel, to air conditioner wiring harness
- 15 - Earth point, on cylinder head
- 281 - Earth connection 1, in engine wiring harness
- 283 - Earth connection 2, in engine wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness, near micro-central electrics
- D106 - Connection 4, in engine compartment wiring harness
- * - engine AUM, AUQ, ARY
- ** - engine BAM
- *** - models with air conditioning system

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Current Flow Diagram

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

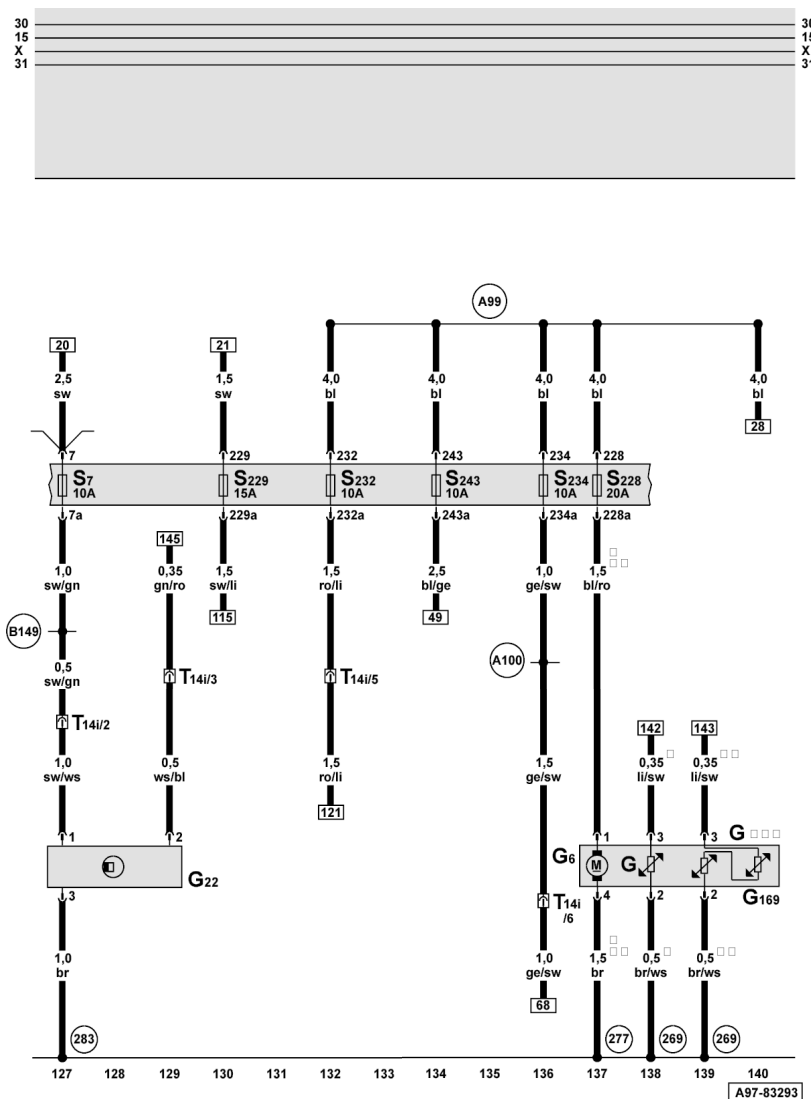
Motronic control unit, Motronic current supply relay, oil level thermo sender, injectors

- G266 - Oil level and oil temperature sender, service interval
- J220 - Motronic control unit
- J271 - Motronic current supply relay
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- S11 - Fuse in fuse holder
- T2m - 2-pin connector, cable channel, on left in engine compartment
- T6m - 6-pin connector, brown, in plenum chamber
- T14i - 14-pin connector, in left engine compartment
- 131 - Earth connection -2-, in engine compartment wiring harness
- 283 - Earth connection 2, in engine wiring harness
- A139 - Connection 3 (15), in dash panel wiring harness
- B157 - Positive connection -3- (15a), in interior wiring harness
- D140 - Connection (injectors), in engine wiring harness

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Current Flow Diagram

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

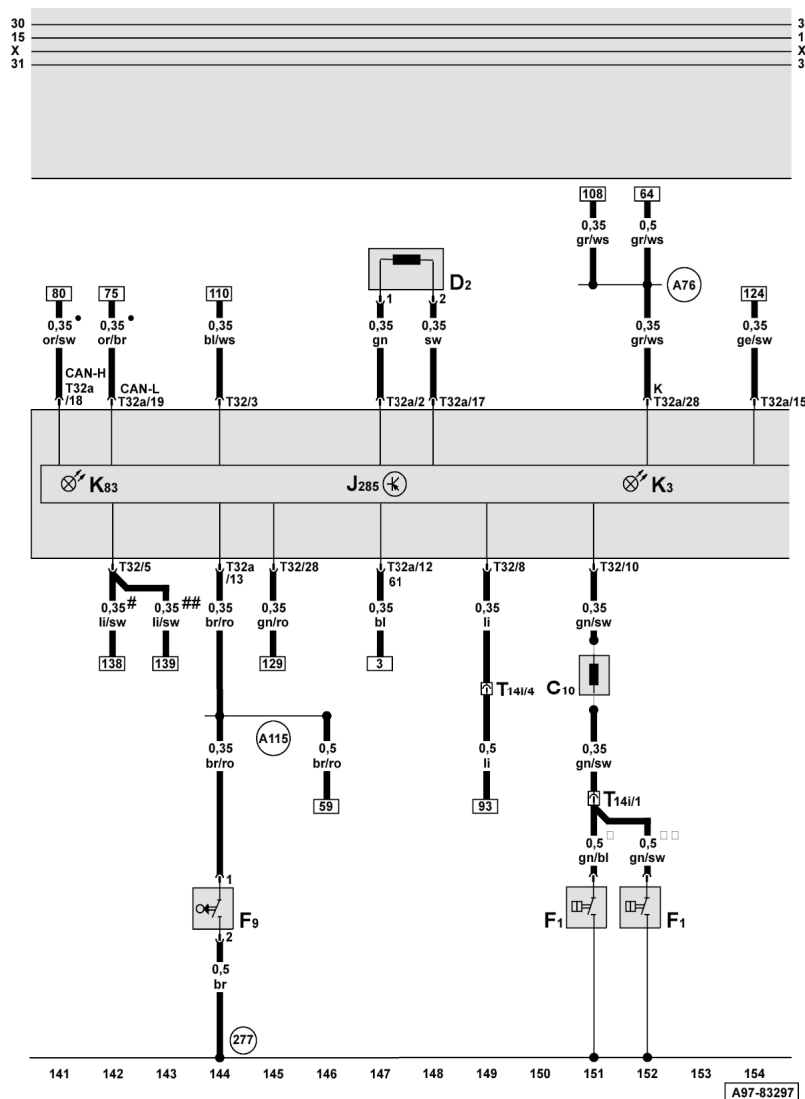
Fuses, speedometer sender, fuel gauge sender, fuel pump

- G - Fuel gauge sender
- G6 - Fuel pump (pre-supply pump)
- G22 - Speedometer sender (Hall sender, on gearbox)
- G169 - Fuel gauge sender 2
- S7 - Fuse in fuse holder
- S228 - Fuse 28 in fuse holder
- S229 - Fuse 29 in fuse holder
- S232 - Fuse 32 in fuse holder
- S234 - Fuse 34 in fuse holder
- S243 - Fuse 43 in fuse holder
- T14i - 14-pin connector, in left engine compartment
- 269 - Earth connection (sender earth) 1, in dash panel wiring harness
- 277 - Earth connection 3, in interior wiring harness, behind centre dash panel
- 283 - Earth connection 2, in engine wiring harness
- A99 - Connection 1 (87), in dash panel wiring harness
- A100 - Connection 2 (87), in dash panel wiring harness
- B149 - Positive connection 2 (15a), in interior wiring harness, near starter inhibitor and reversing light relay
- * - models with front-wheel drive
- ** - models with four-wheel drive
- *** - wire in fuel tank

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Current Flow Diagram

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Dash panel insert, handbrake warning switch, oil pressure switch, immobilizer

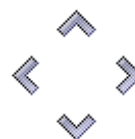
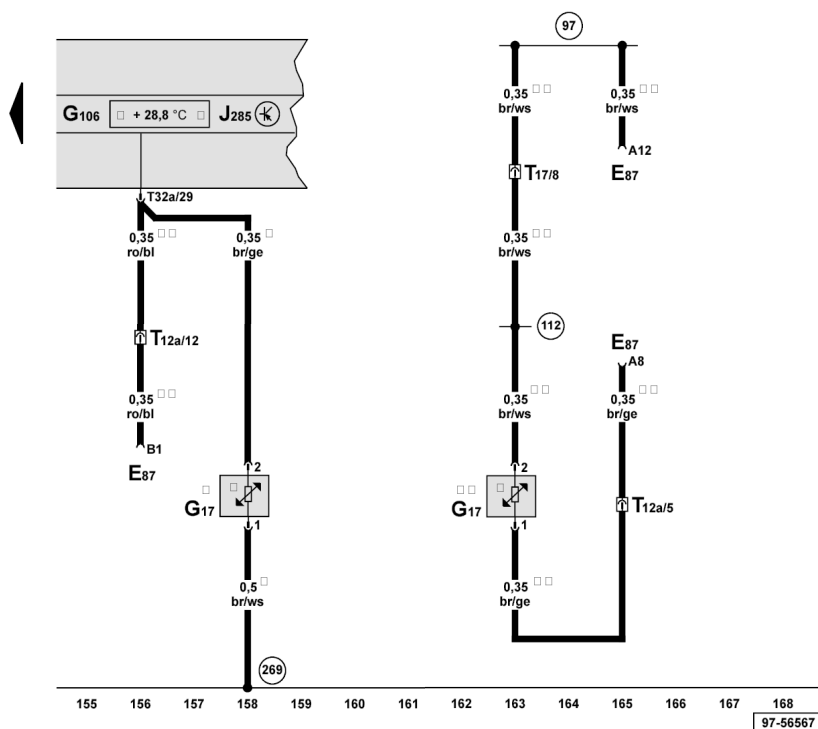
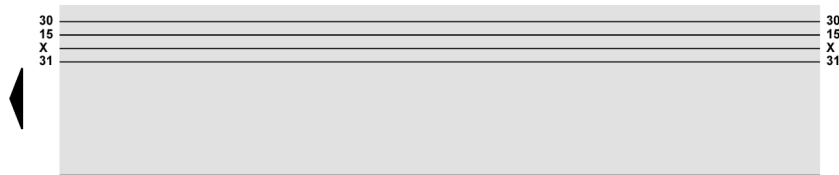
- C10 - Suppression filter
- D2 - Immobilizer reader coil
- F1 - Oil pressure switch
- F9 - Handbrake warning switch
- J285 - Control unit with display in dash panel insert
- K3 - Oil pressure warning lamp
- K83 - Exhaust emissions warning lamp
- T14i - 14-pin connector, in left engine compartment
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 277 - Earth connection 3, in interior wiring harness, behind centre dash panel
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A115 - Connection (handbrake warning), in dash panel wiring harness
- - CAN bus (data wire)
- * - engine ARY, AUM, AUQ
- ** - engine BAM
- # - models with front-wheel drive
- ## - models with four-wheel drive

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

Audi TT

Current Flow Diagram

No. 75 / 13



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

Control unit with display in dash panel insert, ambient temperature sensor, ambient temperature indicator

- E87 - Operating and display unit for air conditioning system
- G17 - Ambient temperature sensor
- G106 - Ambient temperature indicator
- J285 - Control unit with display in dash panel insert
- T12a - 12-pin connector, behind the dash panel, right
- T17 - 17-pin connector, behind right dash panel, to air conditioner wiring harness
- T32a - 32-pin connector, green, on dash panel insert
- 97 - Earth connection 1, in air conditioning system wiring harness
- 112 - Earth connection 2, in air conditioning system wiring harness
- 269 - Earth connection (sender earth) 1, in dash panel wiring harness
- * - models with manual heating control
- ** - models with air conditioning system