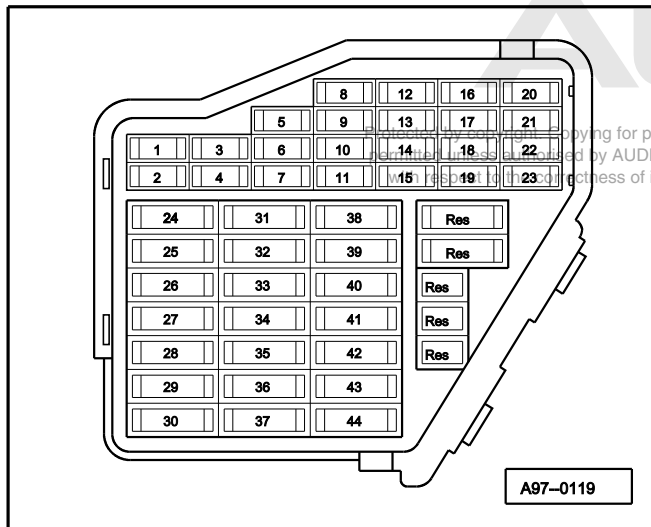


Fuse box, dash panel, left



Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - beige

1 A - black

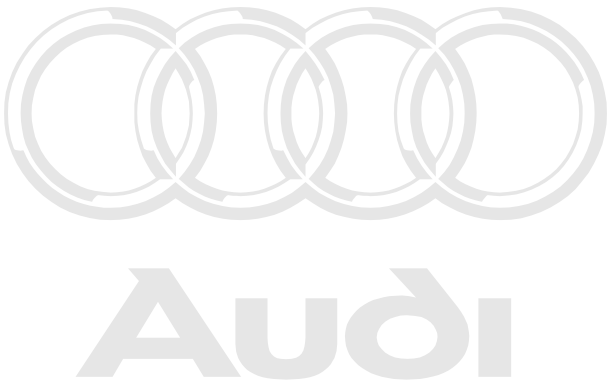
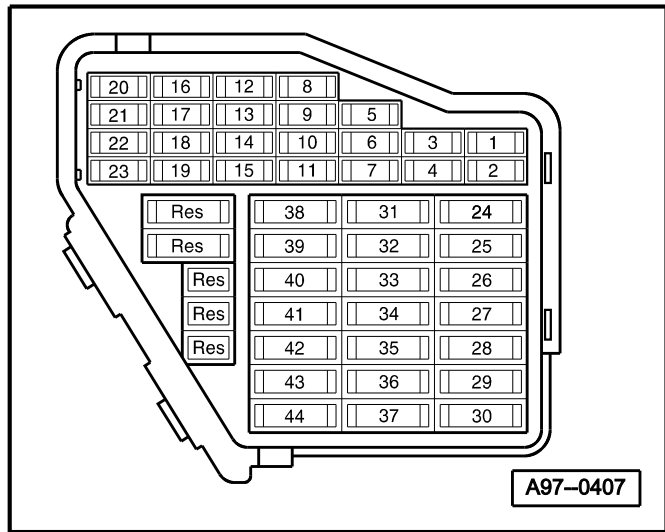
SB - Fuses in fuse box, dash panel, left

SC - Fuses in fuse box, dash panel, right

SD - Fuses in fuse box, luggage compartment, left

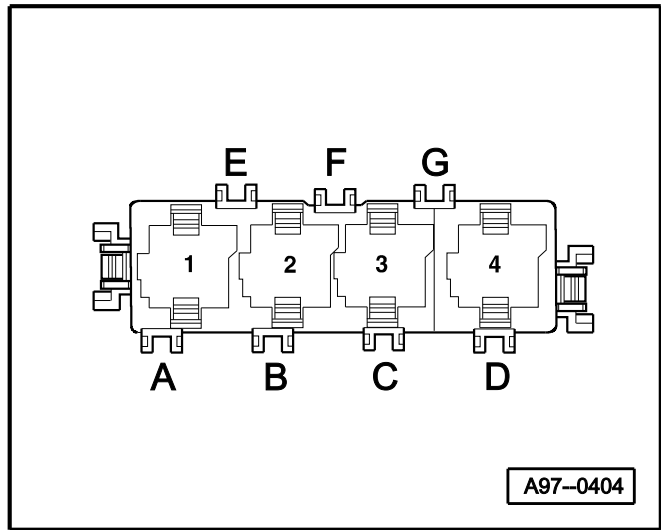
SF - Fuses in fuse box, luggage compartment, right

Fuse box, dash panel, right



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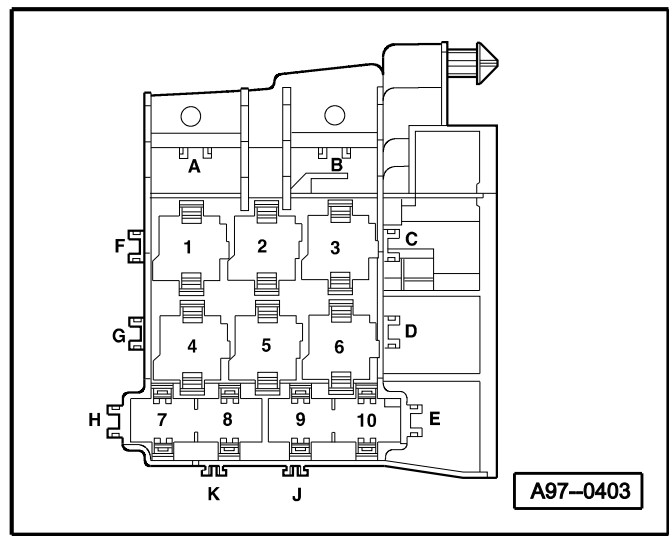
Relay carrier, electronics box, plenum chamber



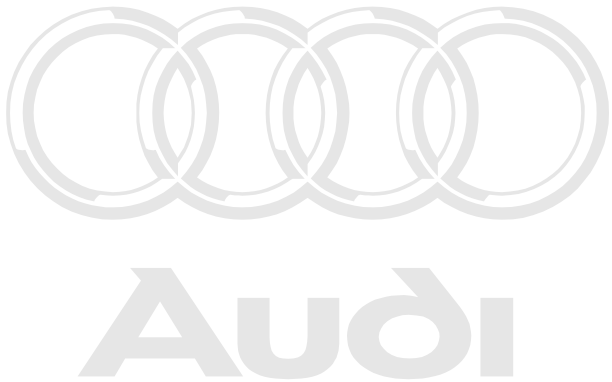
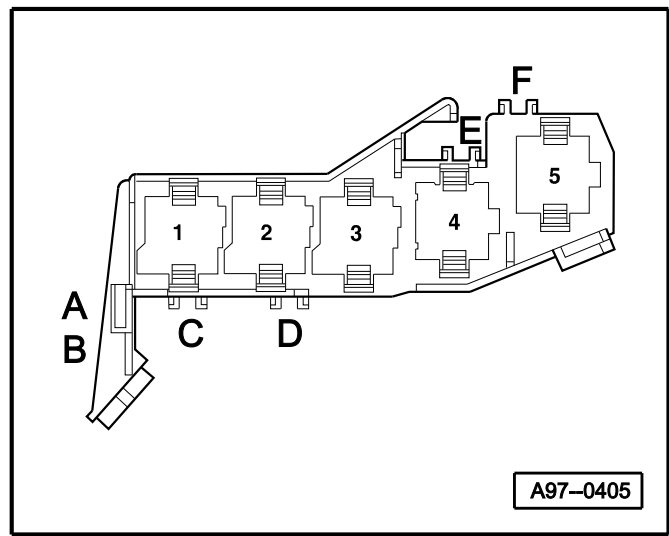
Position of relays

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

B - Secondary air pump fuse (S130)
Relay and fuse carrier, behind dash panel, left



Position of relays
3 - Terminal 15 voltage supply relay (J329)
Relay carrier, front passenger's footwell

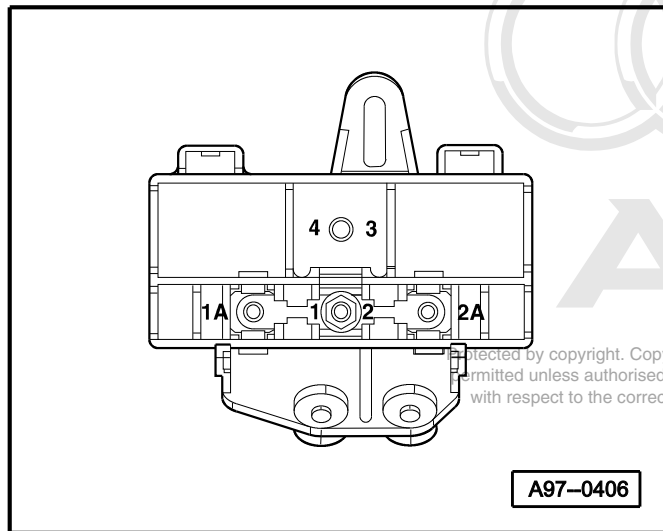


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Position of relays

- 1.1 - Brake servo relay (J569)
- 1.2 - Continued coolant circulation relay (J151)
- 2 - Starter motor relay (J53)
- 3 - Starter motor relay -2- (J695)
- 4 - Fuel pump relay (J17)

Position of components in: main fuse carrier, A pillar, right

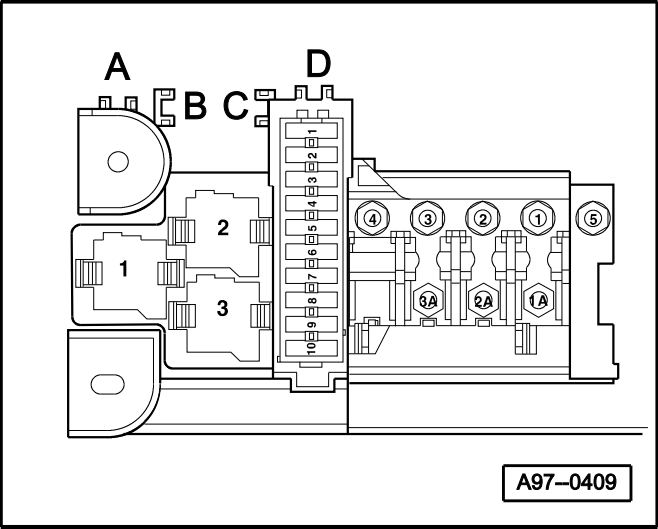


Position of fuses

- 1 - Radiator fan single fuse (S42, 60 A)
- 1A - Screw connection for radiator fan 1
- 2 - Radiator fan fuse, 2nd speed (S104, 60 A)
- 2A - Screw connection for radiator fan 2
- 3 - Screw connection for terminal 30 (battery)
- 4 - Screw connection for terminal 30 (starter)

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Relay and fuse carrier, luggage compartment, right

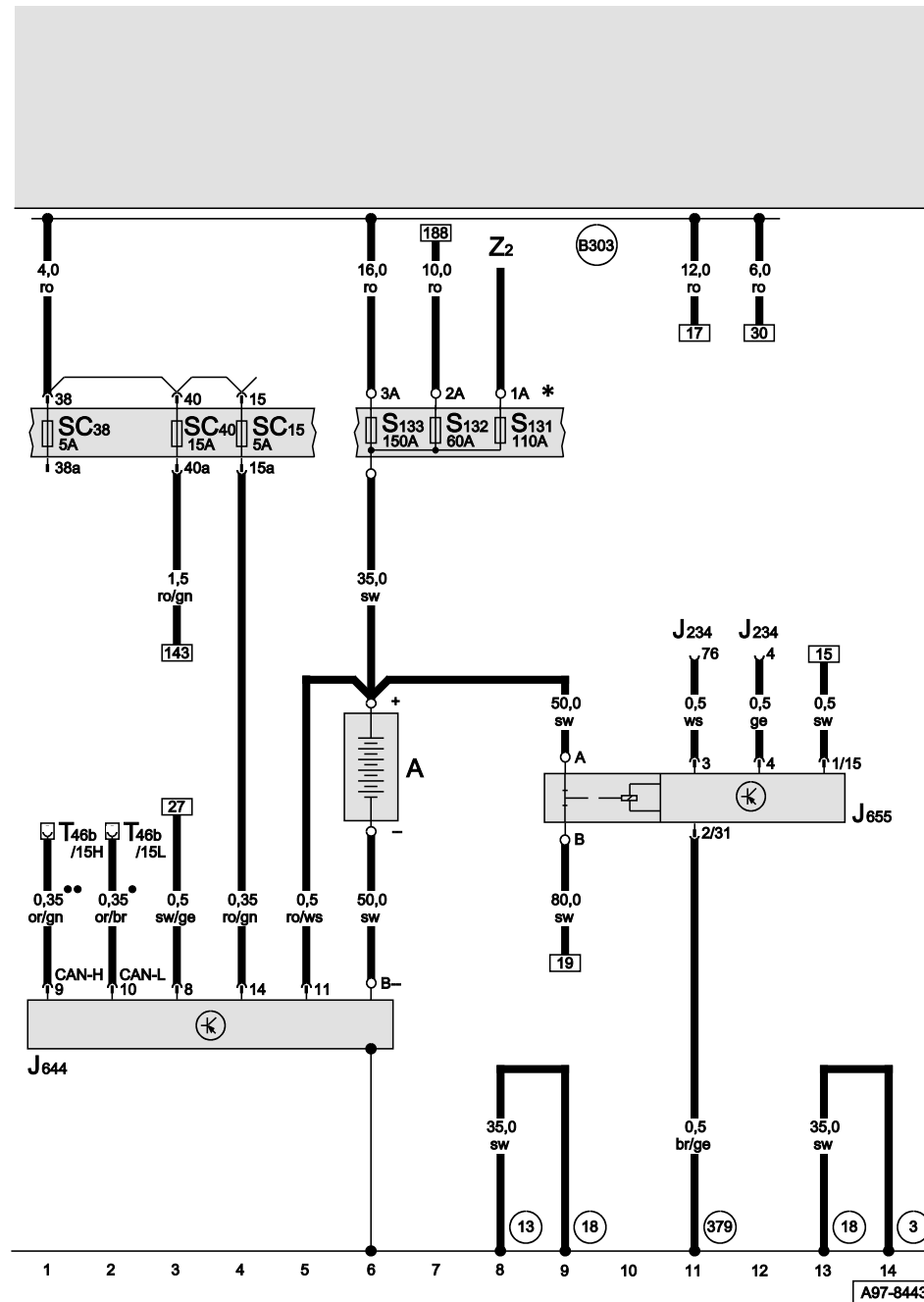


Position of relays

3 - Electric fuel pump II relay (J49)



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Battery, energy management control unit, battery cut-off relay

- A Battery
- J234 Airbag control unit
- J644 Energy management control unit
- J655 Battery cut-off relay
- S131 Fuse 1, 110 A, in luggage compartment, rear right
- S132 Fuse 2, 60 A, in luggage compartment, rear right
- S133 Fuse 3, 150 A, in luggage compartment, rear right
- SC15 Fuse -15- on fuse box
- SC38 Fuse -38- on fuse box
- SC40 Fuse -40- on fuse box
- T46b 46-pin connector, black, CAN separating connector, right
- Z2 Heated windscreen
- 3 Earth strap, engine - body
- 13 Earth point, in engine compartment, right
- 18 Earth point, on cylinder block
- 379 Earth connection -14-, in main wiring harness
- B303 Positive (+) connection -7- (30), in main wiring harness
 - CAN bus (data wire)
 - * In luggage compartment, rear right

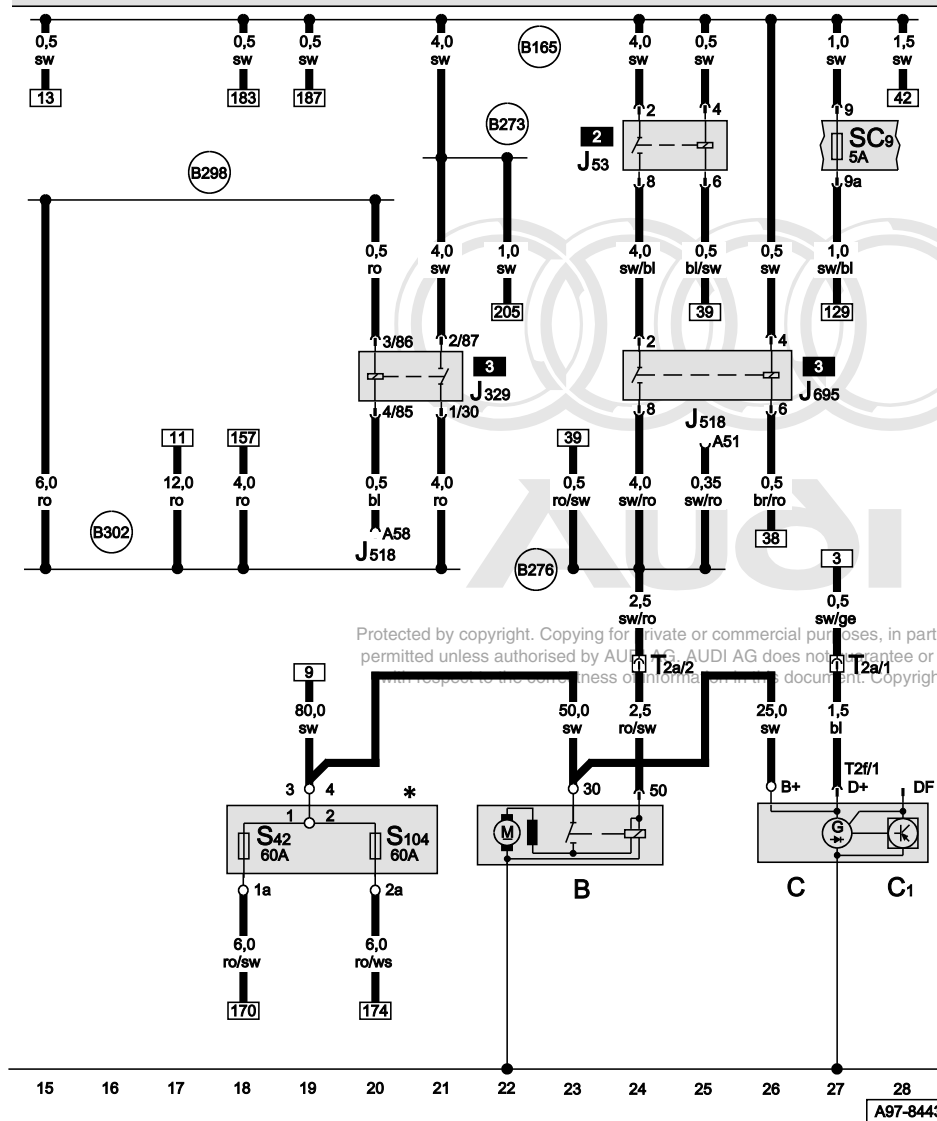
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay

- B Starter
- C Alternator
- C1 Voltage regulator
- J53 Starter motor relay
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J695 Starter motor relay -2-
- S42 Radiator fan single fuse
- S104 Radiator fan fuse, 2nd speed
- SC9 Fuse -9- on fuse box
- T2a 2-pin connector, black, in engine compartment, front right
- T2f 2-pin connector, black, on alternator

- B165 Positive (+) connection -2- (15), in interior wiring harness
- B273 Positive (+) connection (15), in main wiring harness
- B276 Positive (+) connection (50), in main wiring harness
- B298 Positive (+) connection -2- (30), in main wiring harness
- B302 Positive (+) connection -6- (30), in main wiring harness
- * Main fuse carrier, A pillar, right

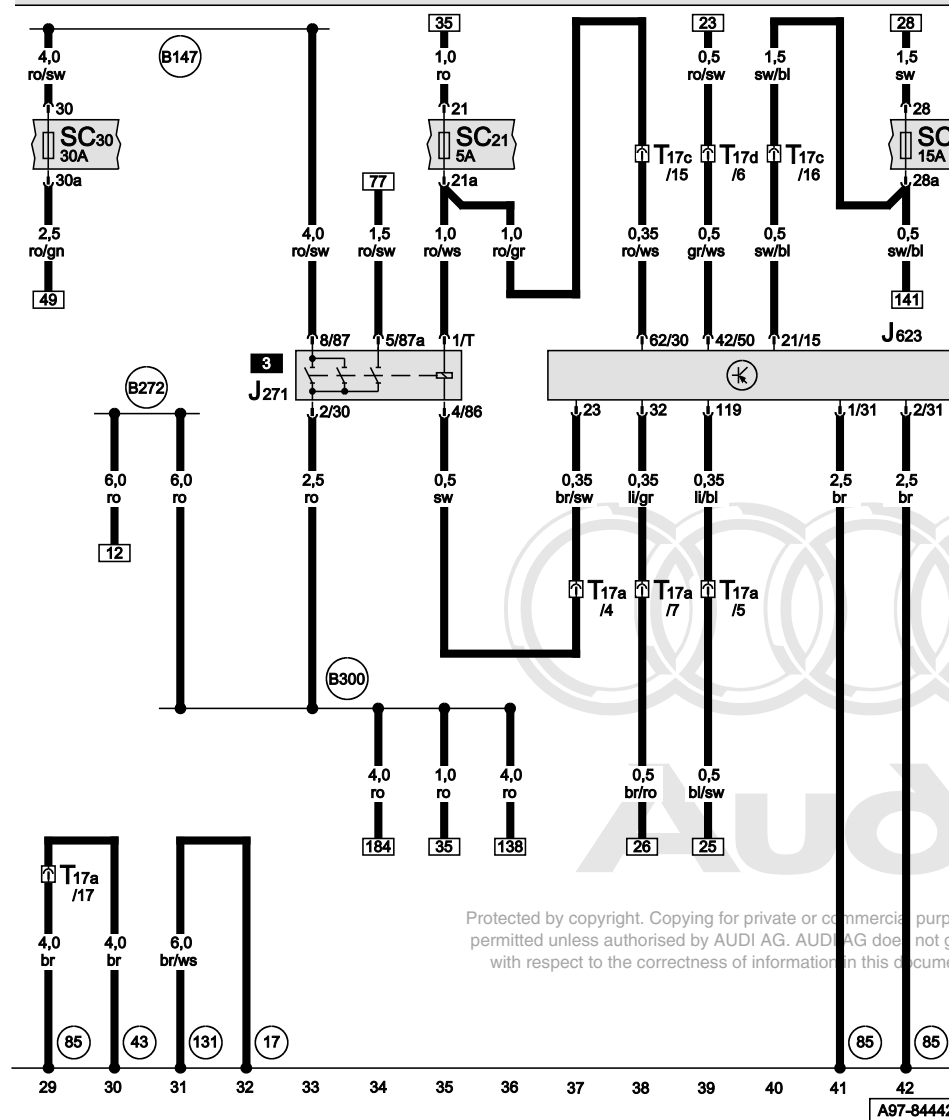


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Engine control unit, Motronic current supply relay

- J271 Motronic current supply relay
- J623 Engine control unit
- SC21 Fuse -21- on fuse box
- SC28 Fuse -28- on fuse box
- SC30 Fuse -30- on fuse box
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber

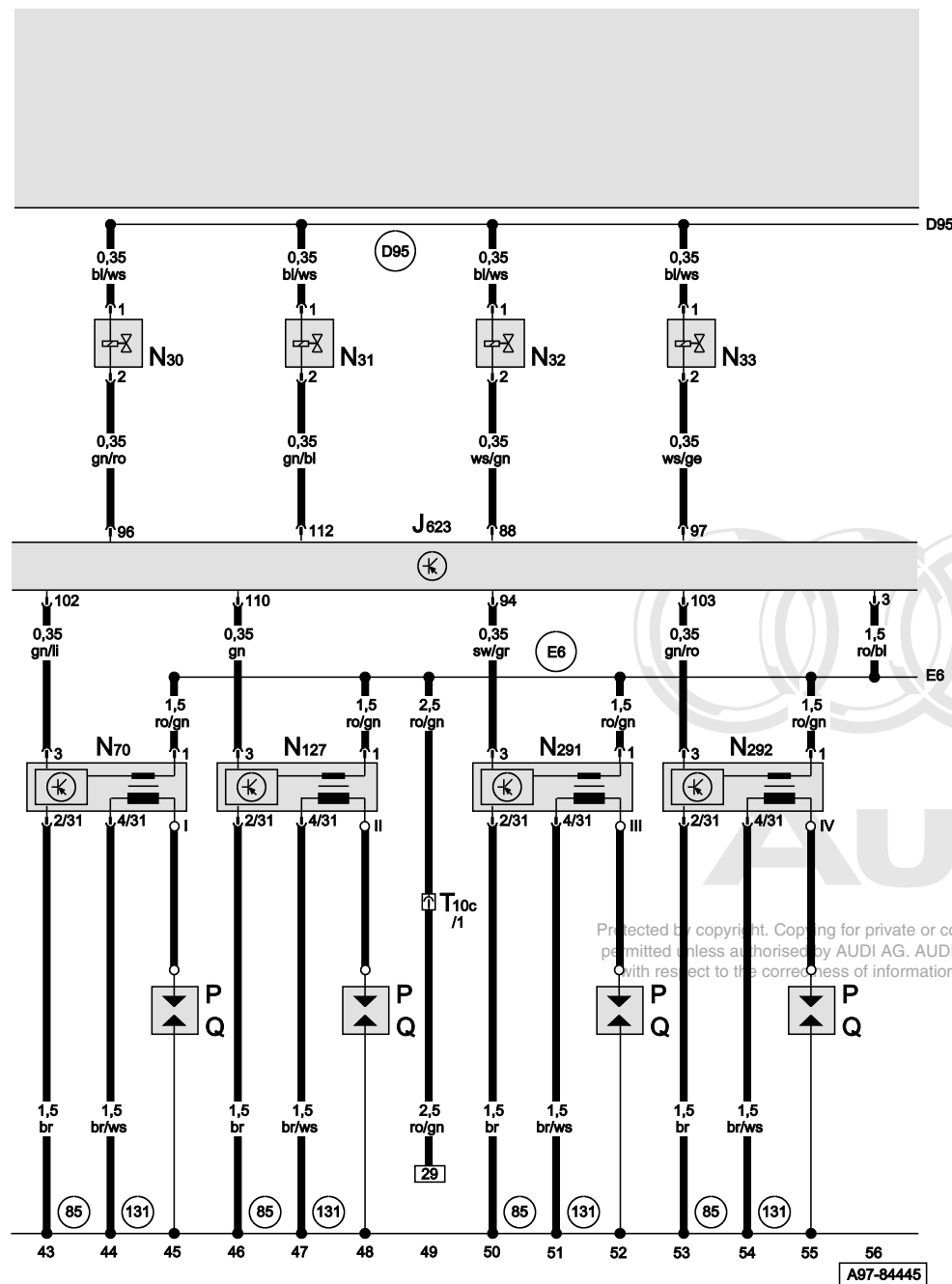
- 17 Earth point, on intake manifold
- 43 Earth point, lower part of right A pillar
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- B147 Positive (+) connection -2- (87), in interior wiring harness
- B272 Positive (+) connection (30), in main wiring harness
- B300 Positive (+) connection -4- (30), in main wiring harness



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Engine control unit, injectors for cylinders 1 - 4, ignition coils for cylinders 1 - 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- 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
- T10c 10-pin connector, red, in electronics box, plenum chamber
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- E6 Positive (+) connection -1- (15), in Motronic wiring harness

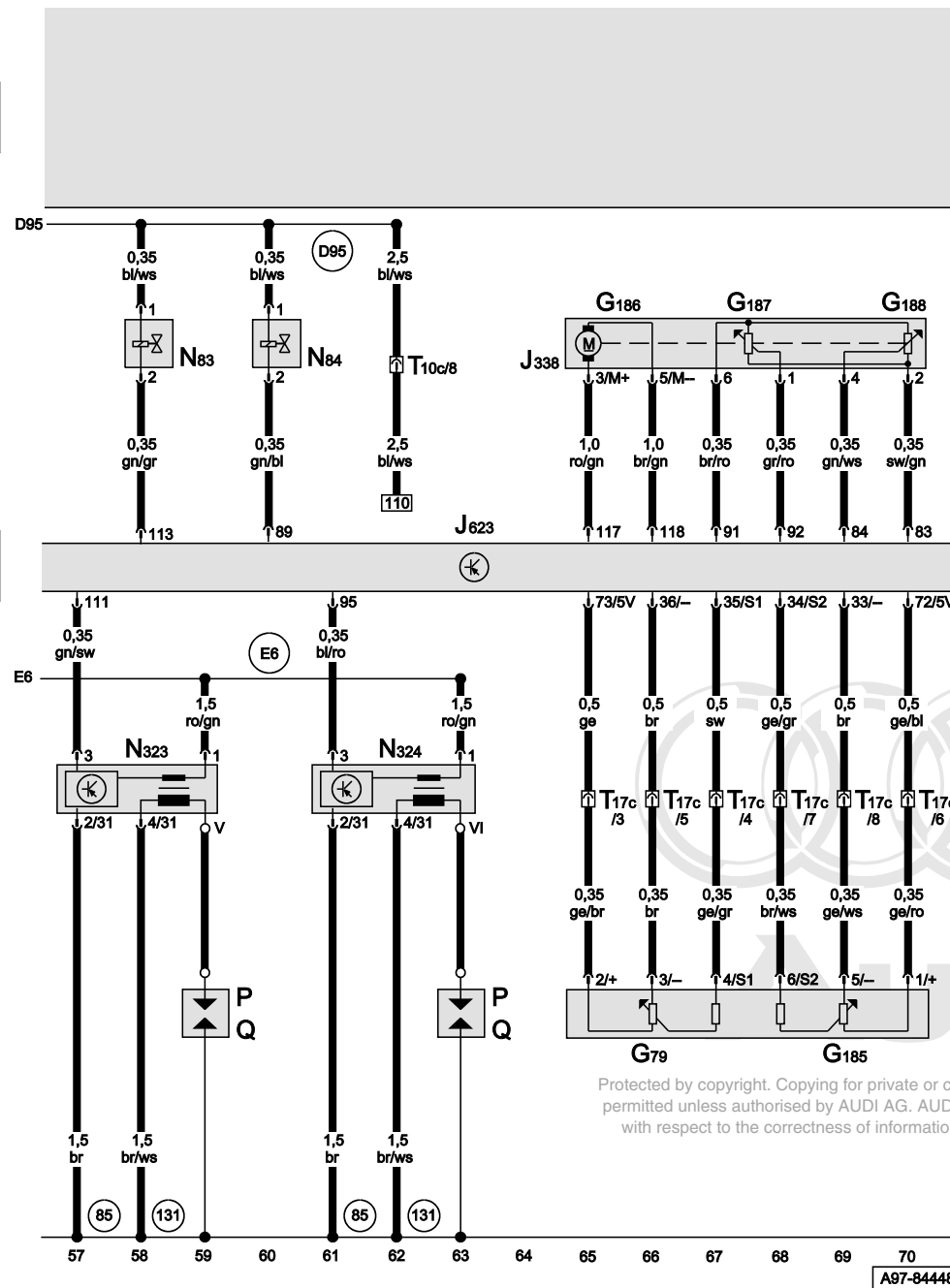


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Engine control unit, injectors for cylinders 5 and 6, ignition coils for cylinders 5 and 6, throttle valve module, accelerator pedal position senders

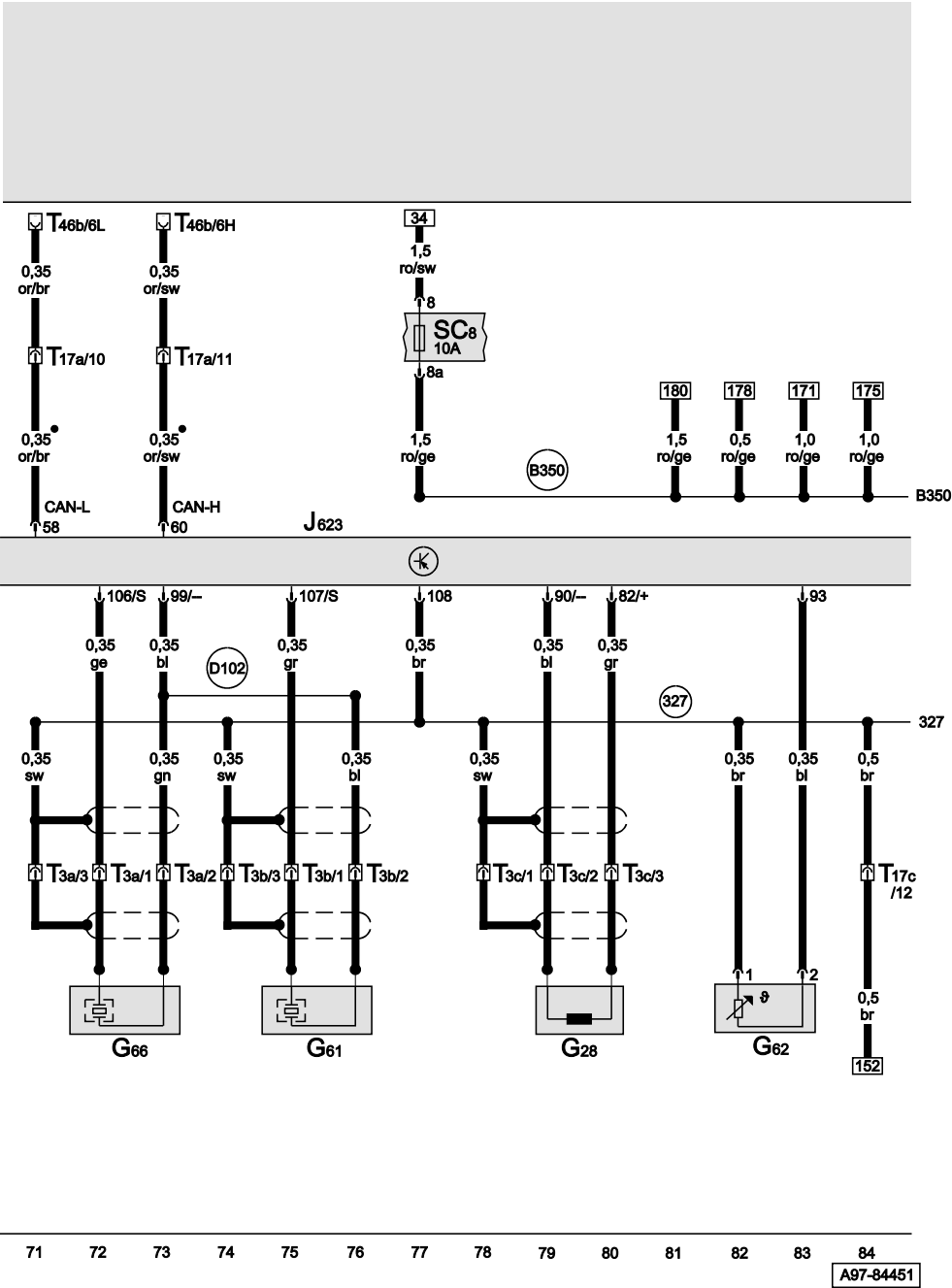
- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender 2
- G186 Throttle valve drive (electric power control)
- G187 Throttle valve drive angle sender 1 (electric power control)
- G188 Throttle valve drive angle sender 2 (electric power control)
- J338 Throttle valve module
- J623 Engine control unit
- N83 Injector, cylinder 5
- N84 Injector, cylinder 6
- N323 Ignition coil 5 with output stage
- N324 Ignition coil 6 with output stage
- P Spark plug connector
- Q Spark plugs
- T10c 10-pin connector, red, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber

- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- E6 Positive (+) connection 1 (15), in Motronic wiring harness



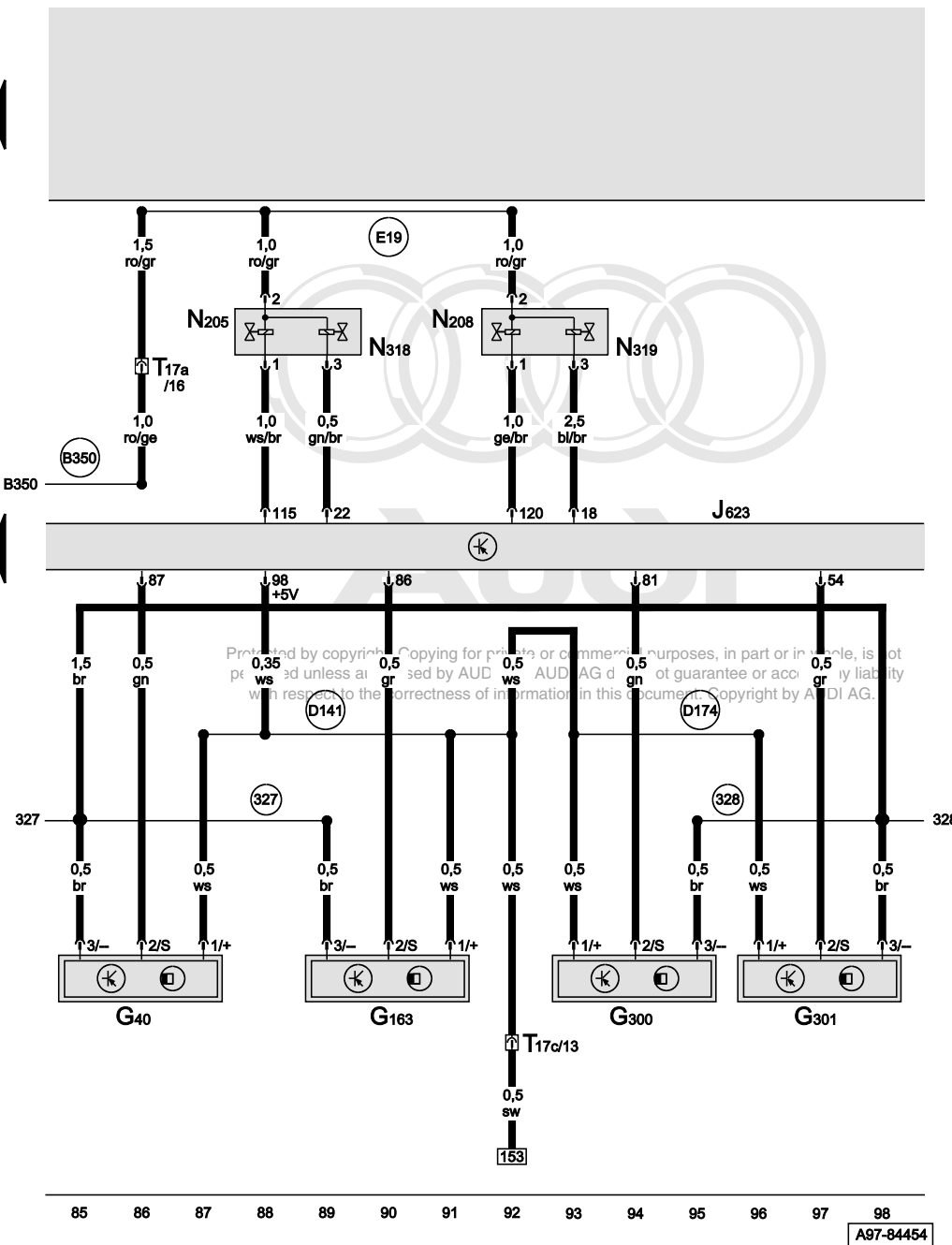
Engine control unit, knock sensor 1, knock sensor 2, engine speed sender

- G28 Engine speed sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G66 Knock sensor 2
- J623 Engine control unit
- SC8 Fuse 8 on fuse box
- T3a 3-pin connector, blue, at knock sensor 1
- T3b 3-pin connector, blue, at knock sensor 2
- T3c 3-pin connector, grey, on engine speed sender
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T46b 46-pin connector, black, CAN bus separating connector, right
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B350 Positive (+) connection 1 (87a), in main wiring harness
- D102 Connection 2, in engine compartment wiring harness
- CAN bus (data wire)



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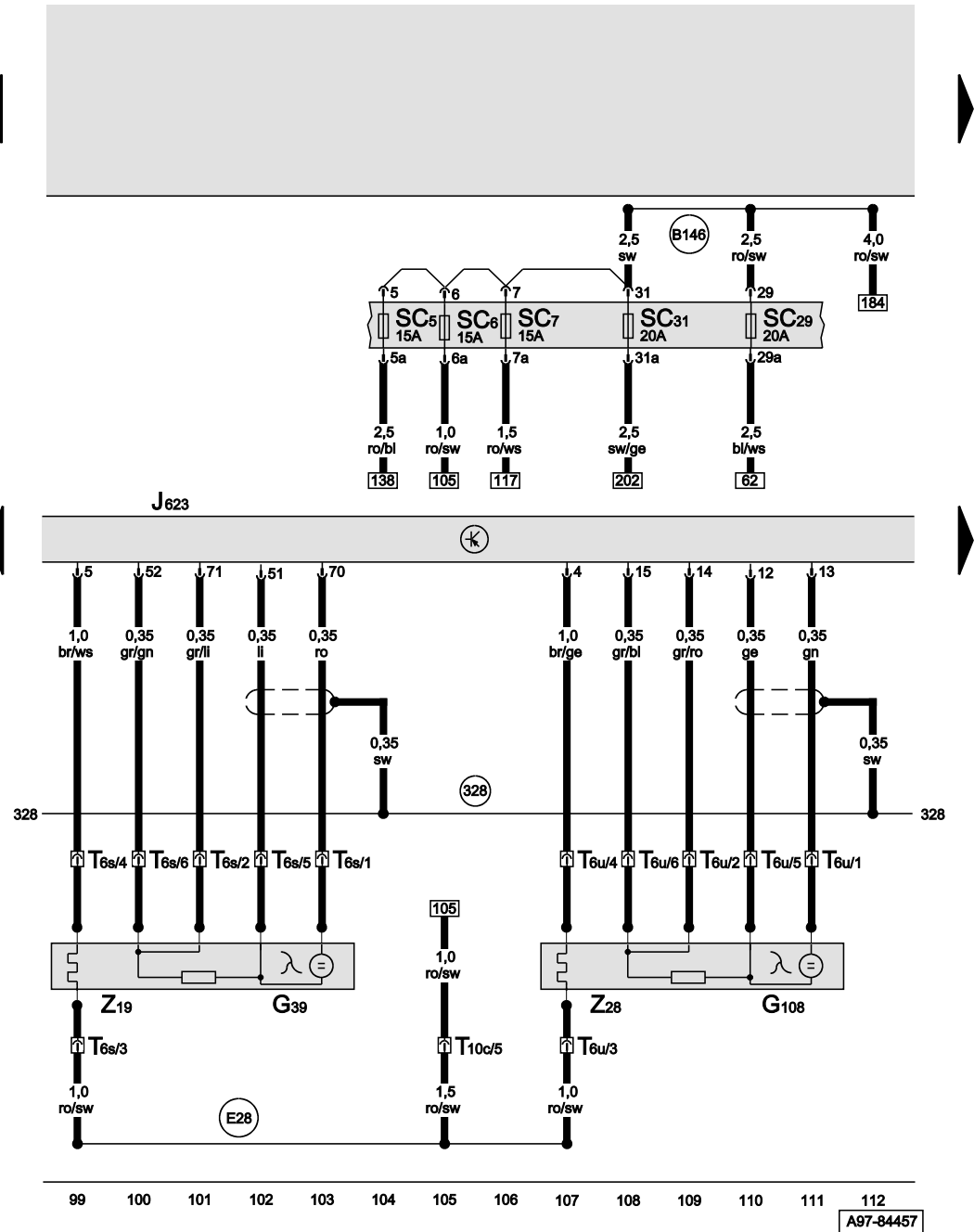
Engine control unit, Hall senders, camshaft timing adjustment valves



- G40 Hall sender
- G163 Hall sender 2
- G300 Hall sender 3
- G301 Hall sender 4
- J623 Engine control unit
- N205 Inlet camshaft timing adjustment valve 1
- N208 Inlet camshaft timing adjustment valve 2
- N318 Exhaust camshaft timing adjustment valve -1-
- N319 Exhaust camshaft timing adjustment valve -2-
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- 327 Earth connection (sender earth), in engine compartment wiring harness
- 328 Earth connection -2- (sender earth), in engine compartment wiring harness
- B350 Positive (+) connection -1- (87a), in main wiring harness
- D141 Connection (5V), in engine wiring harness
- D174 Connection -2- (5V), in engine wiring harness
- E19 Connection -4-, in Motronic wiring harness

Engine control unit, lambda probe, lambda probe 2

- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- SC5 Fuse -5- on fuse box
- SC6 Fuse -6- on fuse box
- SC7 Fuse -7- on fuse box
- SC29 Fuse -29- on fuse box
- SC31 Fuse -31- on fuse box
- T6s 6-pin connector, black, for lambda probe
- T6u 6-pin connector, brown, for lambda probe 2
- T10c 10-pin connector, red, in electronics box, plenum chamber
- Z19 Lambda probe heater
- Z28 Lambda probe 2 heater
- 328 Earth connection -2- (sender earth), in engine compartment wiring harness
- B146 Positive (+) connection -1- (87), in interior wiring harness
- E28 Connection (lambda probe heating), in Motronic wiring harness

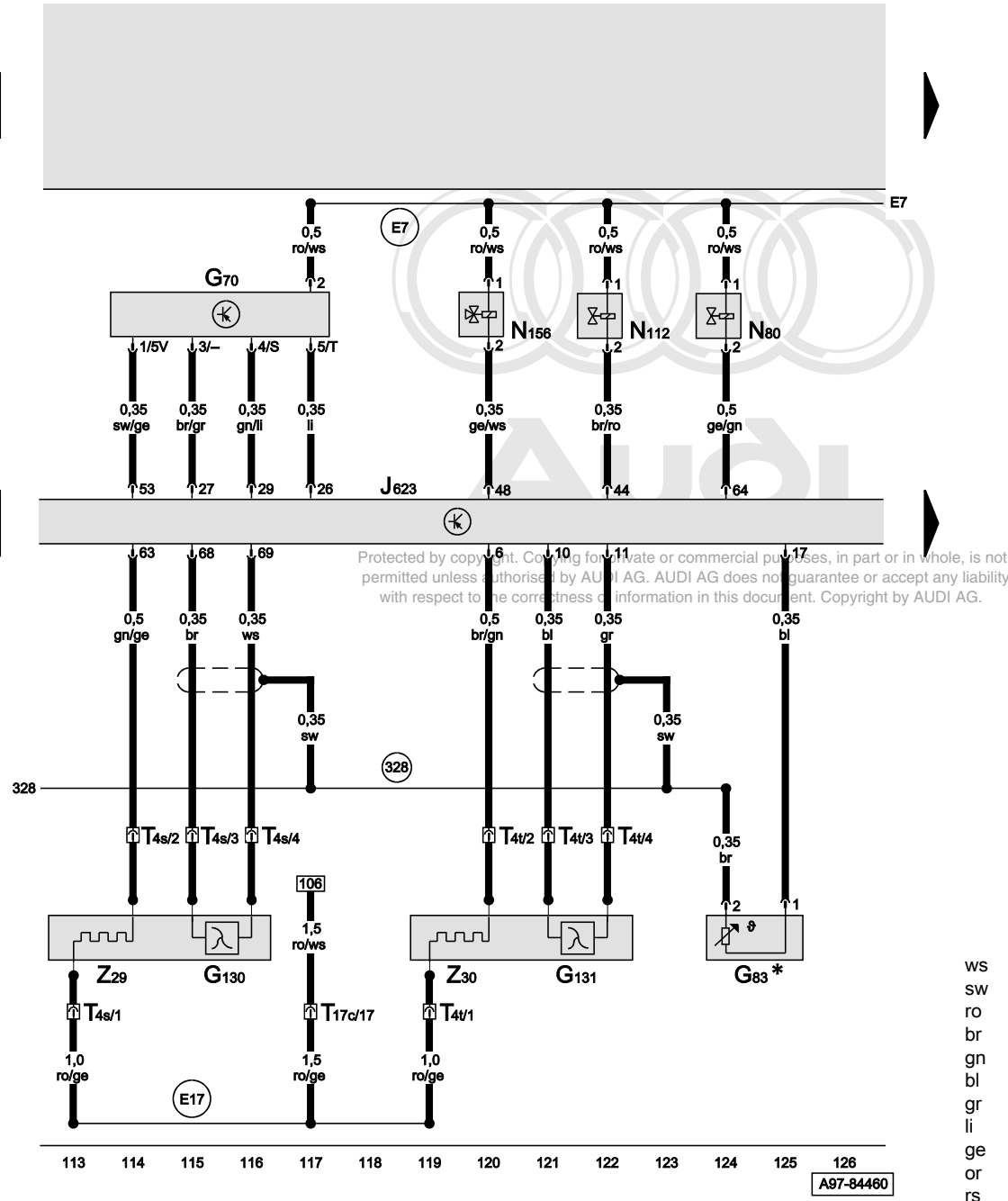


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Engine control unit, lambda probes downstream of catalytic converter, air mass meter, intake manifold change-over valve, secondary air inlet valve, activated charcoal filter system solenoid valve 1 (pulsed)

- G70 Air mass meter
- G83 Coolant temperature sender - radiator outlet
- G130 Lambda probe downstream of catalytic converter
- G131 Lambda probe 2 downstream of catalytic converter
- J623 Engine control unit
- N80 Activated charcoal filter system solenoid valve 1 (pulsed)
- N112 Secondary air inlet valve
- N156 Intake manifold change-over valve
- T4s 4-pin connector, green, for lambda probe 1 downstream of catalytic converter
- T4t 4-pin connector, brown, for lambda probe 2 downstream of catalytic converter
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- Z29 Lambda probe 1 heater, downstream of catalytic converter
- Z30 Lambda probe 2 heater, downstream of catalytic converter
- 328 Earth connection -2- (sender earth), in engine compartment wiring harness
- E7 Connection (87a), in Motronic wiring harness
- E17 Connection -2-, in Motronic wiring harness
- * Models with coolant temperature sender - radiator outlet

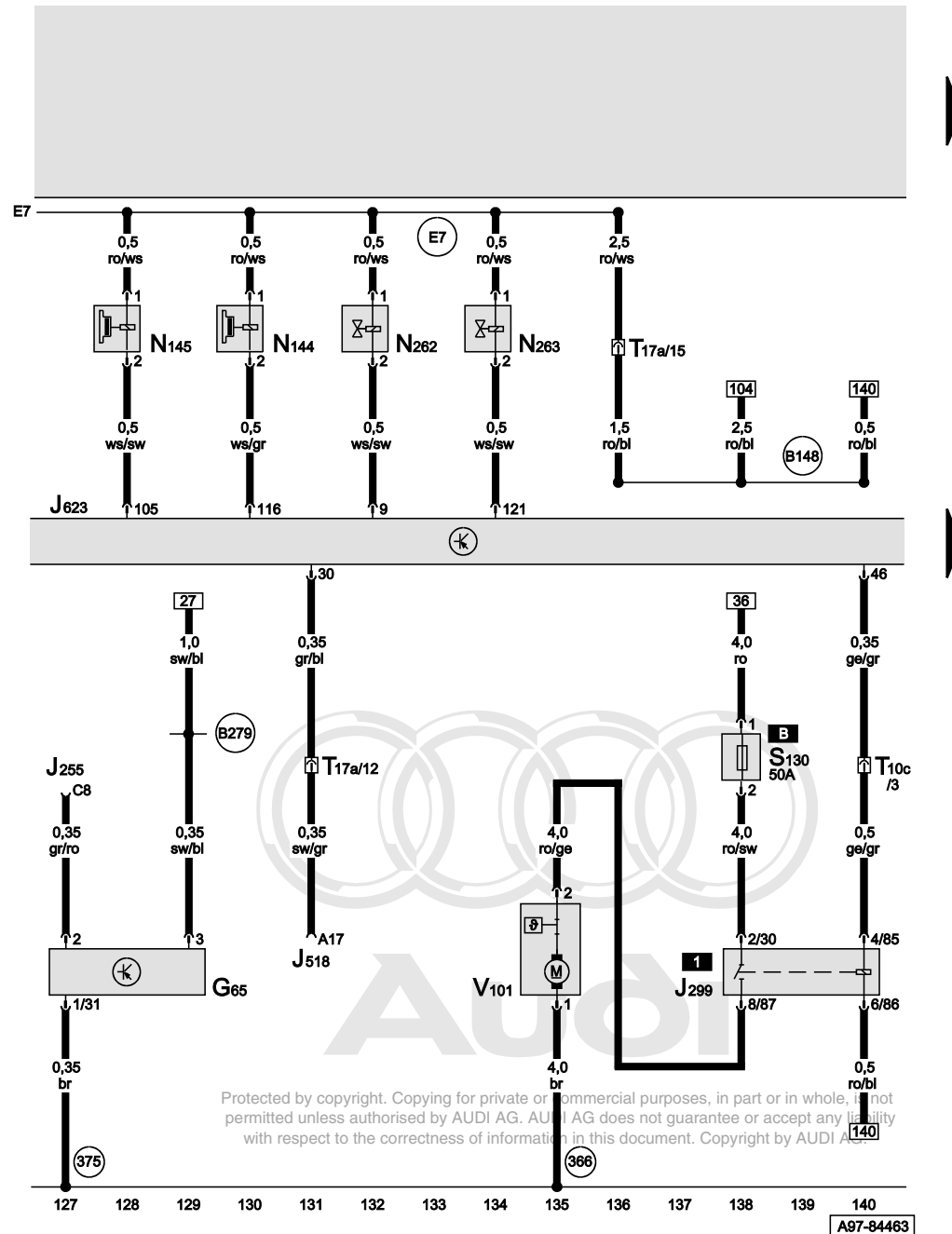


Engine control unit, electro/hydraulic engine mounting solenoid valves, gearbox mounting valves, secondary air pump motor, secondary air pump relay, high pressure sender

- G65 High pressure sender
- J255 Climatronic control unit
- J299 Secondary air pump relay
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- N144 Electro/hydraulic engine mounting solenoid valve, left
- N145 Electro/hydraulic engine mounting solenoid valve, right
- N262 Gearbox mounting valve 1
- N263 Gearbox mounting valve 2
- S130 Secondary air pump fuse
- T10c 10-pin connector, red, in electronics box, plenum chamber
- T17a 17-pin connector, black, in electronics box, plenum chamber
- V101 Secondary air pump motor

- 366 Earth connection -1-, in main wiring harness
- 375 Earth connection -10-, in main wiring harness
- B148 Positive (+) connection -3- (87), in interior wiring harness
- B279 Positive (+) connection -3- (15a), in main wiring harness
- E7 Connection (87a), in Motronic wiring harness

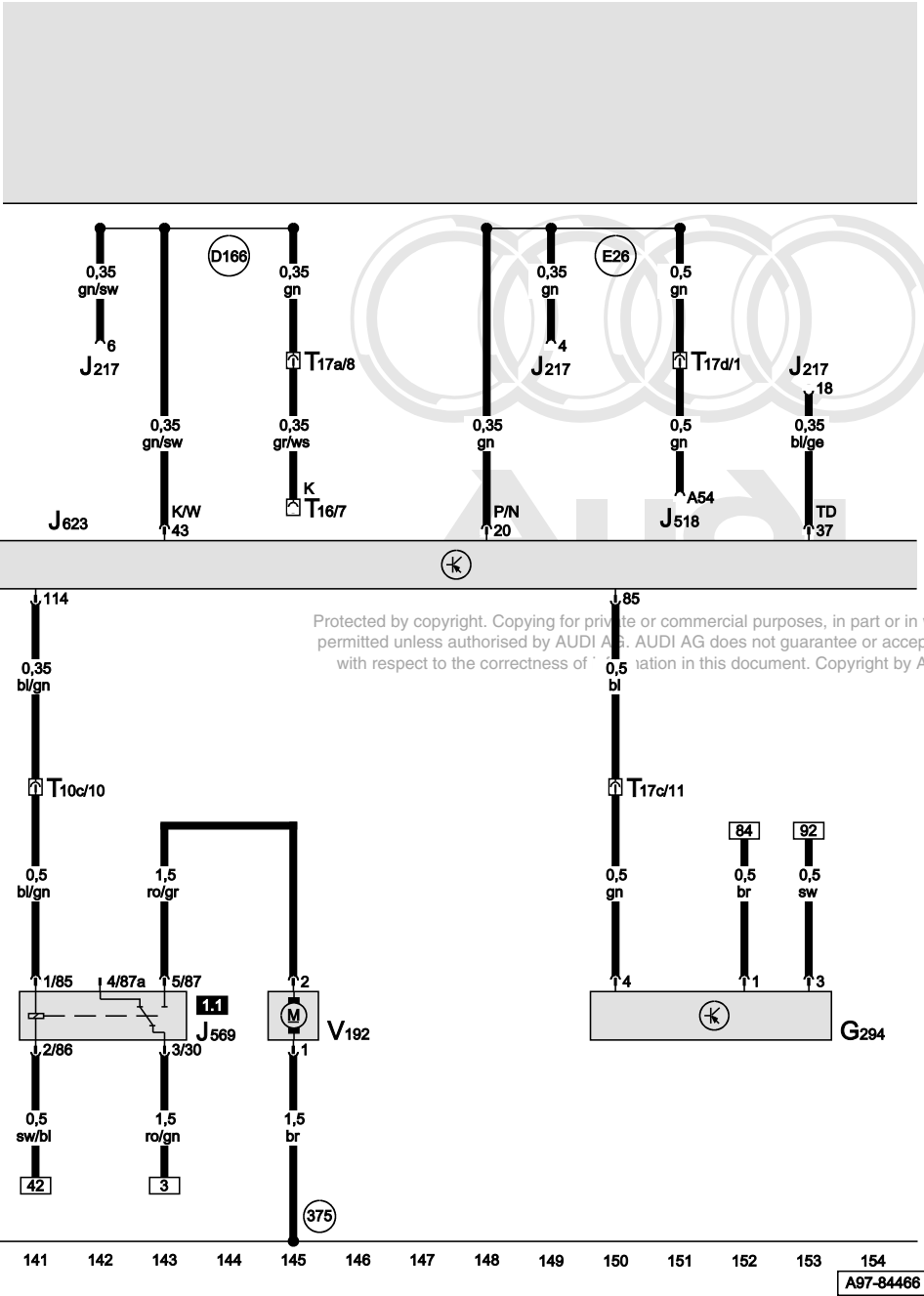
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Engine control unit, brake servo relay, vacuum pump for brakes, brake servo pressure sensor

- G294 Brake servo pressure sensor
- J217 Automatic gearbox control unit
- J518 Entry and start authorisation control unit
- J569 Brake servo relay
- J623 Engine control unit
- T10c 10-pin connector, red, in electronics box, plenum chamber
- T16 16-pin connector, black, diagnosis connection
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber
- V192 Vacuum pump for brakes

- 375 Earth connection -10-, in main wiring harness
- D166 Connection (K diagnosis wiring), in engine compartment wiring harness
- E26 Connection (selector lever lock), in Motronic wiring harness

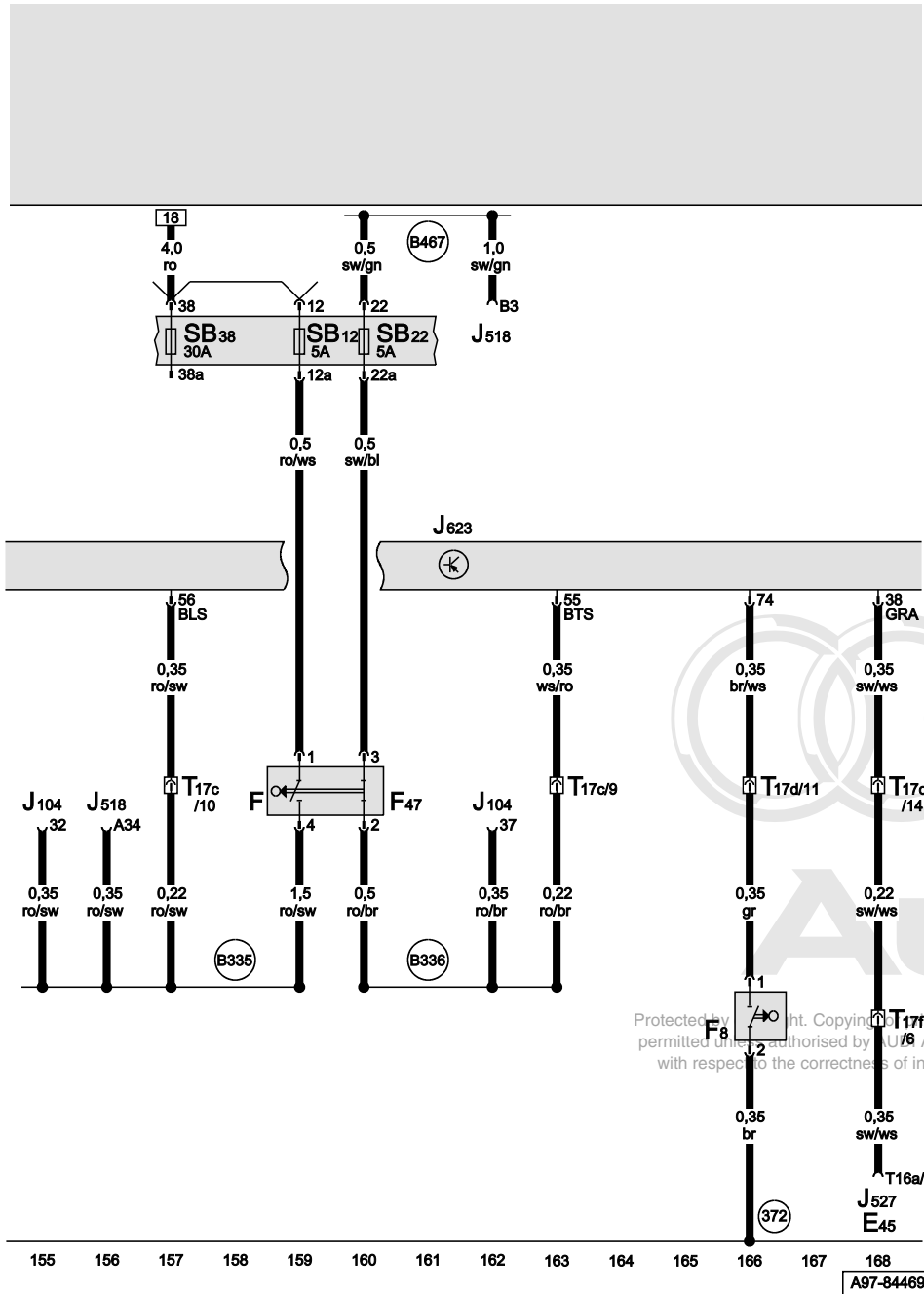


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Engine control unit, brake light switch, kick-down switch, cruise control system brake pedal switch, cruise control system switch

- E45 Cruise control system switch
- F Brake light switch
- F8 Kick-down switch
- F47 Cruise control system brake pedal switch
- J104 ABS with EDL control unit
- J518 Entry and start authorisation control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- SB12 Fuse -12- on fuse box
- SB22 Fuse -22- on fuse box
- SB38 Fuse -38- on fuse box
- T16a 16-pin connector, on steering column electronics control unit
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber
- T17f 17-pin connector, black, connector A, relay carrier, footwell, driver's side

- 372 Earth connection -7-, in main wiring harness
- B335 Connection -1- (54), in main wiring harness
- B336 Connection -2- (54), in main wiring harness
- B467 Connection -3-, in main wiring harness



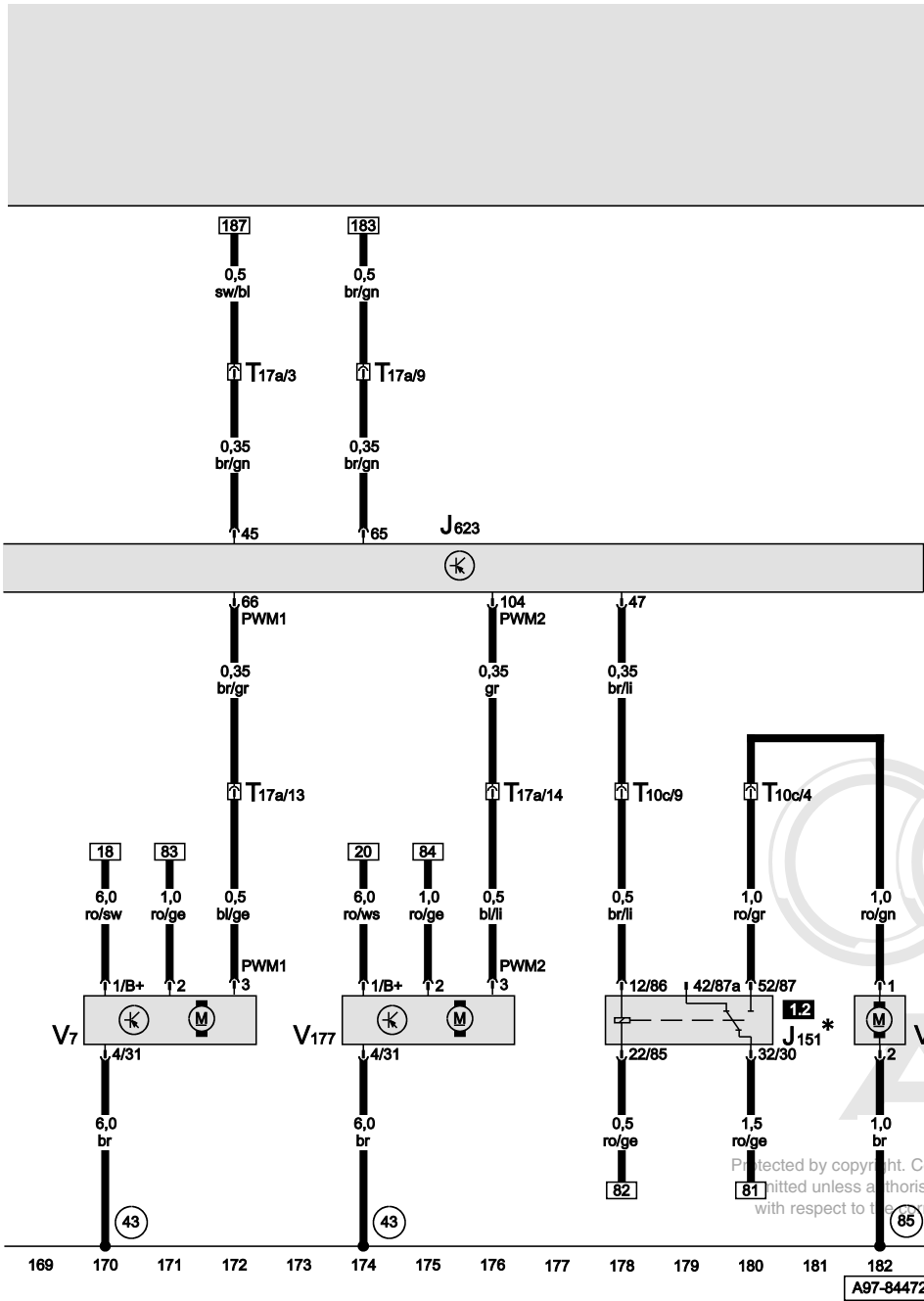
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Engine control unit, radiator fan, radiator fan -2-, continued coolant circulation relay, continued coolant circulation pump

- J151 Continued coolant circulation relay
- J623 Engine control unit
- T10c 10-pin connector, red, in electronics box, plenum chamber
- T17a 17-pin connector, black, in electronics box, plenum chamber
- V7 Radiator fan
- V51 Continued coolant circulation pump
- V177 Radiator fan 2

- 43 Earth point, A pillar, bottom right
- 85 Earth connection 1, in engine compartment wiring harness
- * For countries with hot climate only

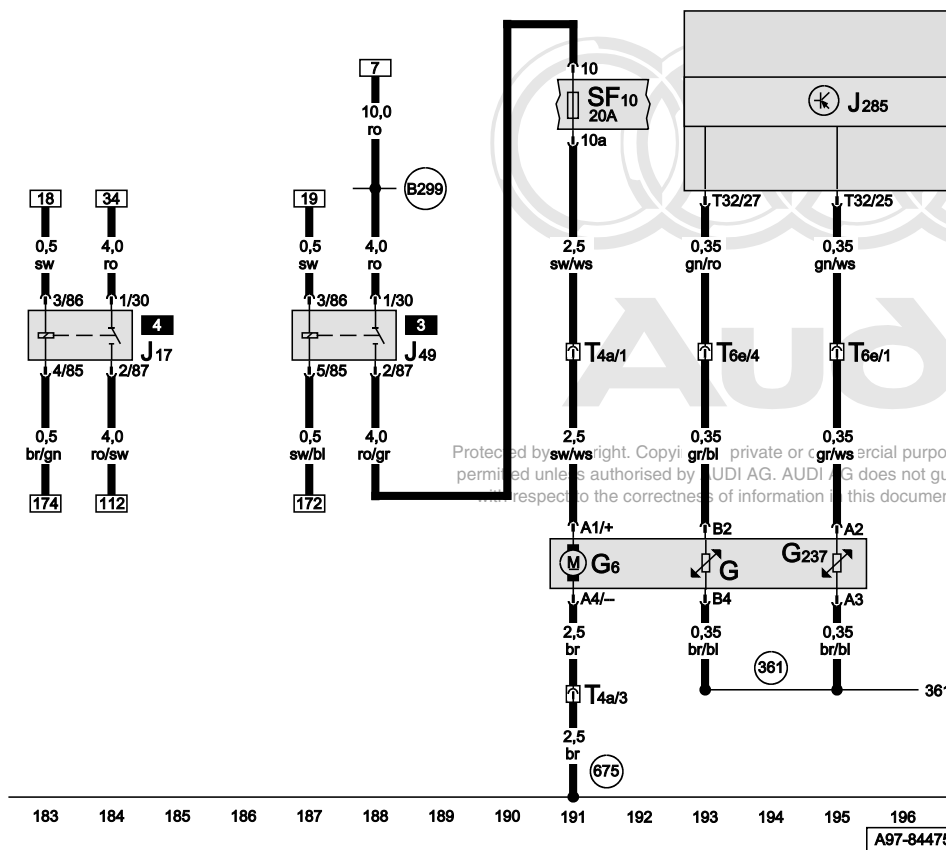


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Fuel pump relay, electric fuel pump 2 relay, control unit with display in dash panel insert

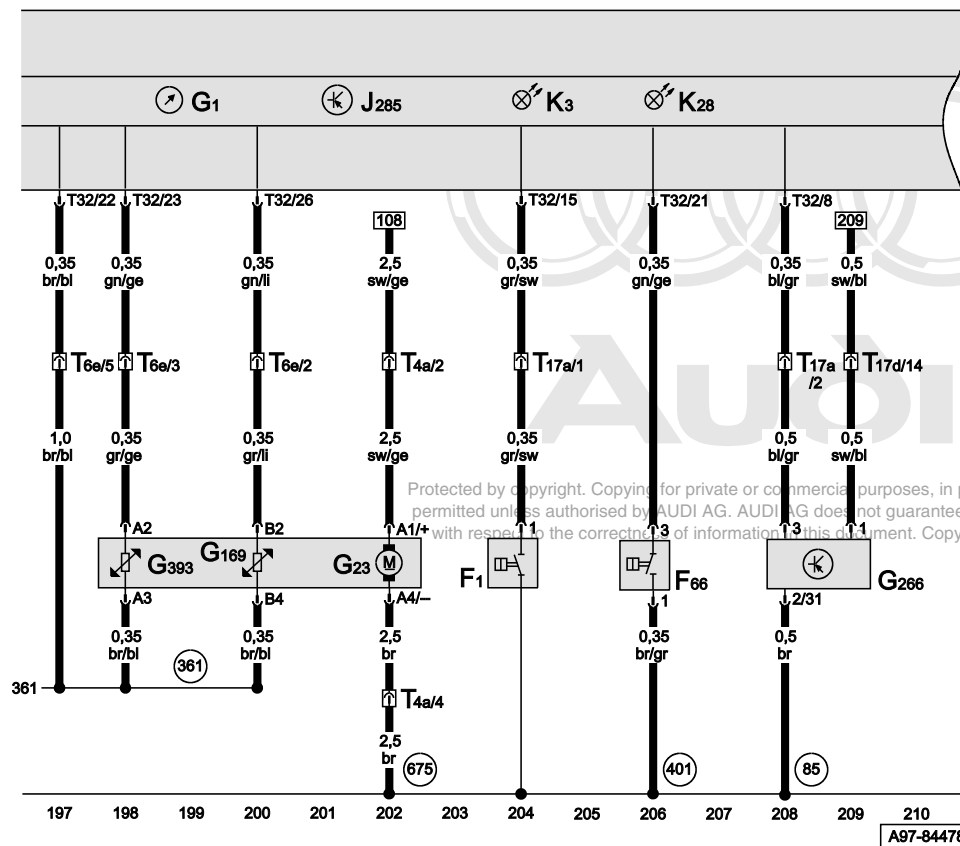
- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G237 Fuel gauge sender 3
- J17 Fuel pump relay
- J49 Electric fuel pump 2 relay
- J285 Control unit with display in dash panel insert
- SF10 Fuse 10 on fuse box
- T4a 4-pin connector, under cover, right, on vehicle floor
- T6e 6-pin connector, under cover, right, on vehicle floor
- T32 32-pin connector, blue, on dash panel insert
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 675 Earth point 2, in luggage compartment, right
- B299 Positive (+) connection 3 (30), in main wiring harness



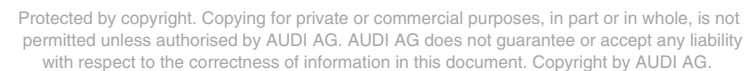
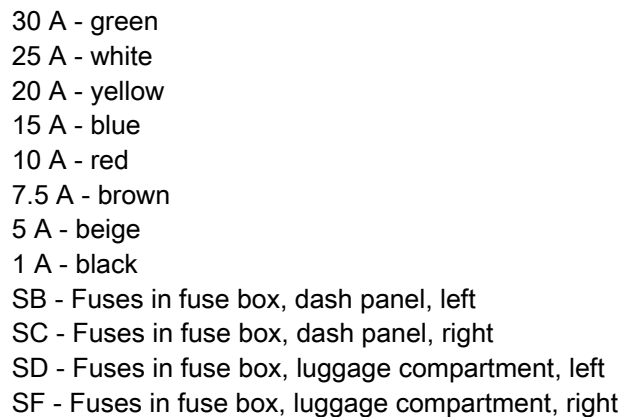
Control unit with display in dash panel insert, fuel gauge, fuel pump, fuel gauge senders, oil pressure warning lamp

- F1 Oil pressure switch
- F66 Coolant shortage indicator switch
- G1 Fuel gauge
- G23 Fuel pump
- G169 Fuel gauge sender 2
- G266 Oil level thermo sender
- G393 Fuel gauge sender 4
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- SB10 Fuse 10 on fuse box
- T4a 4-pin connector, under cover, right, on vehicle floor
- T6e 6-pin connector, under cover, right, on vehicle floor
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber
- T32 32-pin connector, blue, on dash panel insert

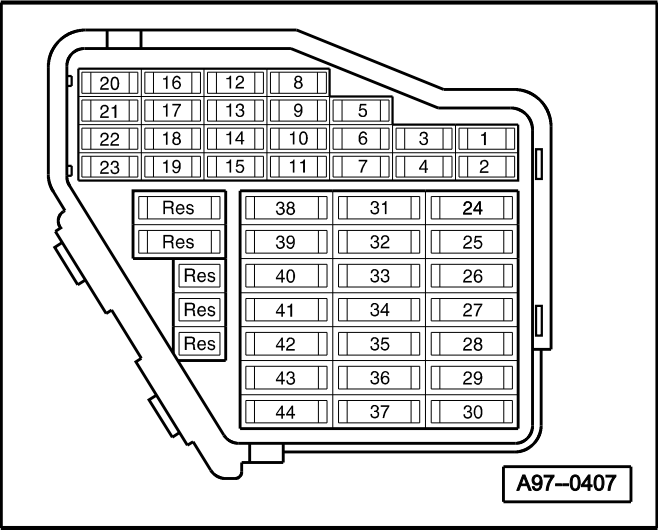
- 85 Earth connection 1, in engine compartment wiring harness
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 401 Earth connection (sender earth), in interior wiring harness
- 675 Earth point 2, in luggage compartment, right
- B277 Positive (+) connection 1 (15a), in main wiring harness



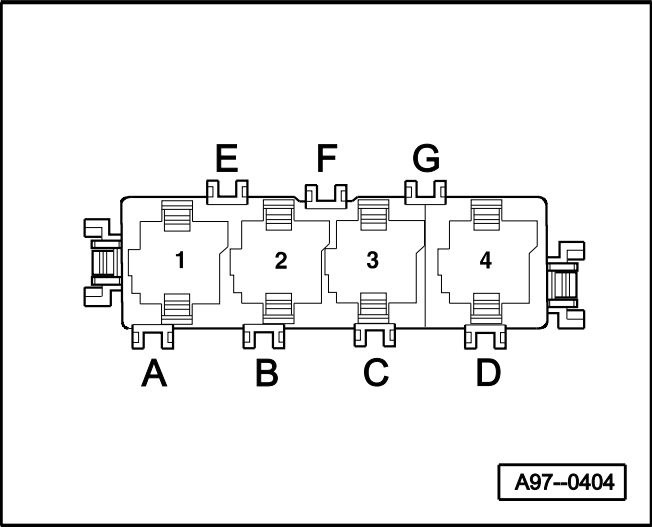
Fuse colours



Fuse box, dash panel, right



Relay carrier, electronics box, plenum chamber



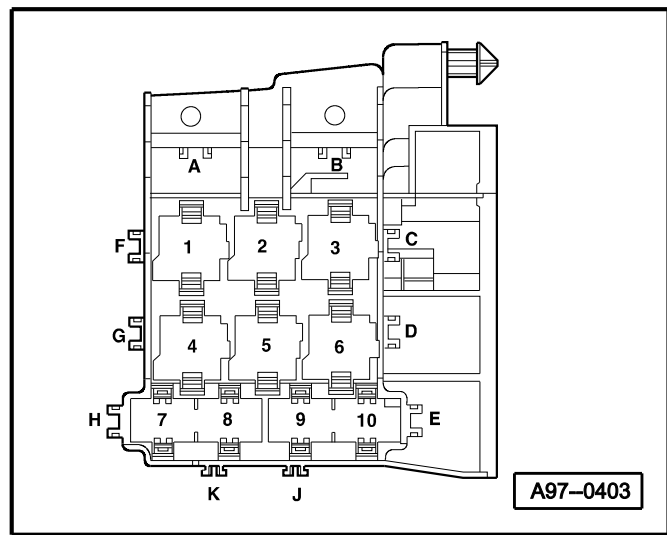
Position of relays

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



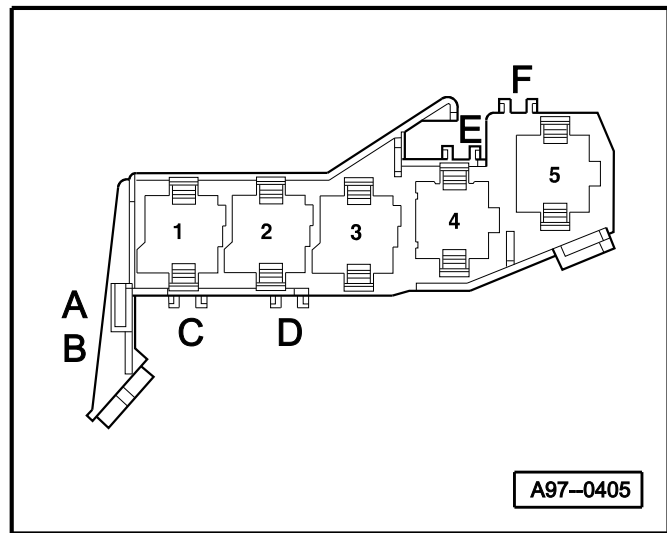
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B - Secondary air pump fuse (S130)
Relay and fuse carrier, behind dash panel, left



Position of relays

3 - Terminal 15 voltage supply relay (J329)
Relay carrier, front passenger's footwell

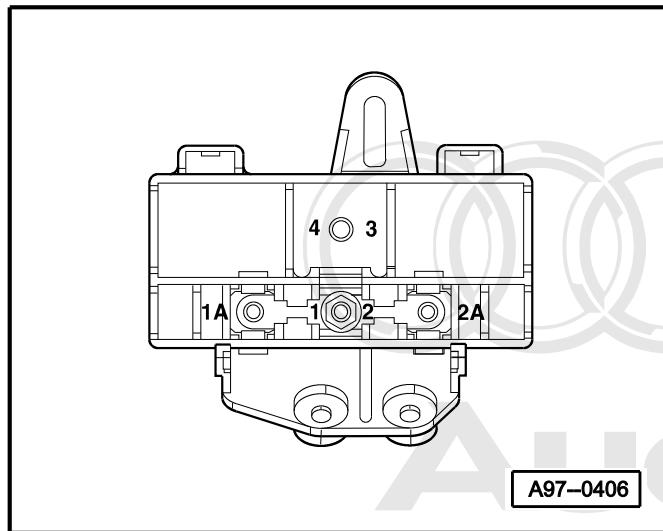


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Position of relays

- 1.1 - Brake servo relay (J569)
- 1.2 - Continued coolant circulation relay (J151)
- 2 - Starter motor relay (J53)
- 3 - Starter motor relay -2- (J695)
- 4 - Fuel pump relay (J17)

Position of components in: main fuse carrier, A pillar, right

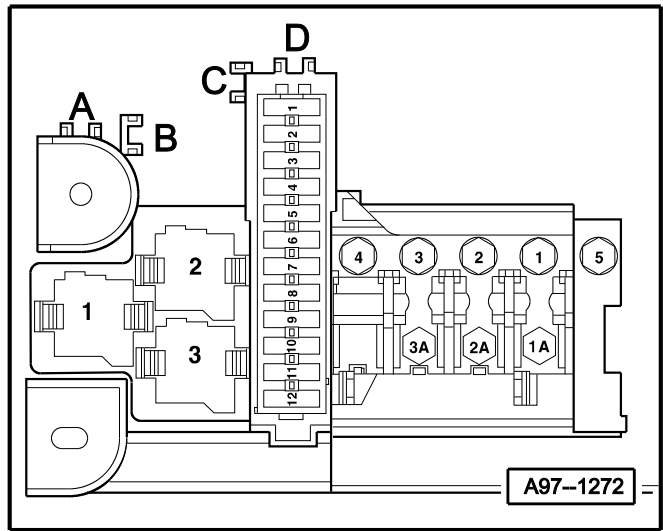


Position of fuses

- 1 - Radiator fan single fuse (S42, 60 A)
- 1A - Screw connection for radiator fan 1
- 2 - Radiator fan fuse, 2nd speed (S104, 60 A)
- 2A - Screw connection for radiator fan 2
- 3 - Screw connection for terminal 30 (battery)
- 4 - Screw connection for terminal 30 (starter)

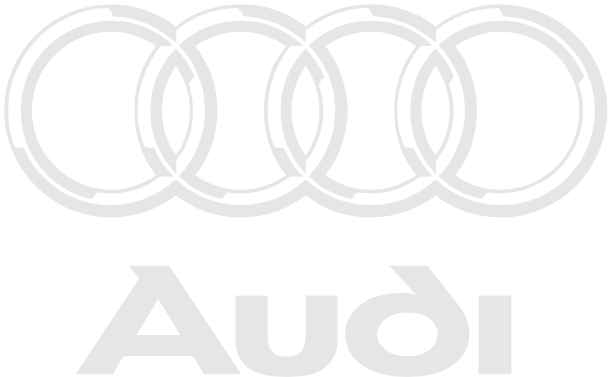
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Relay and fuse carrier, luggage compartment, right



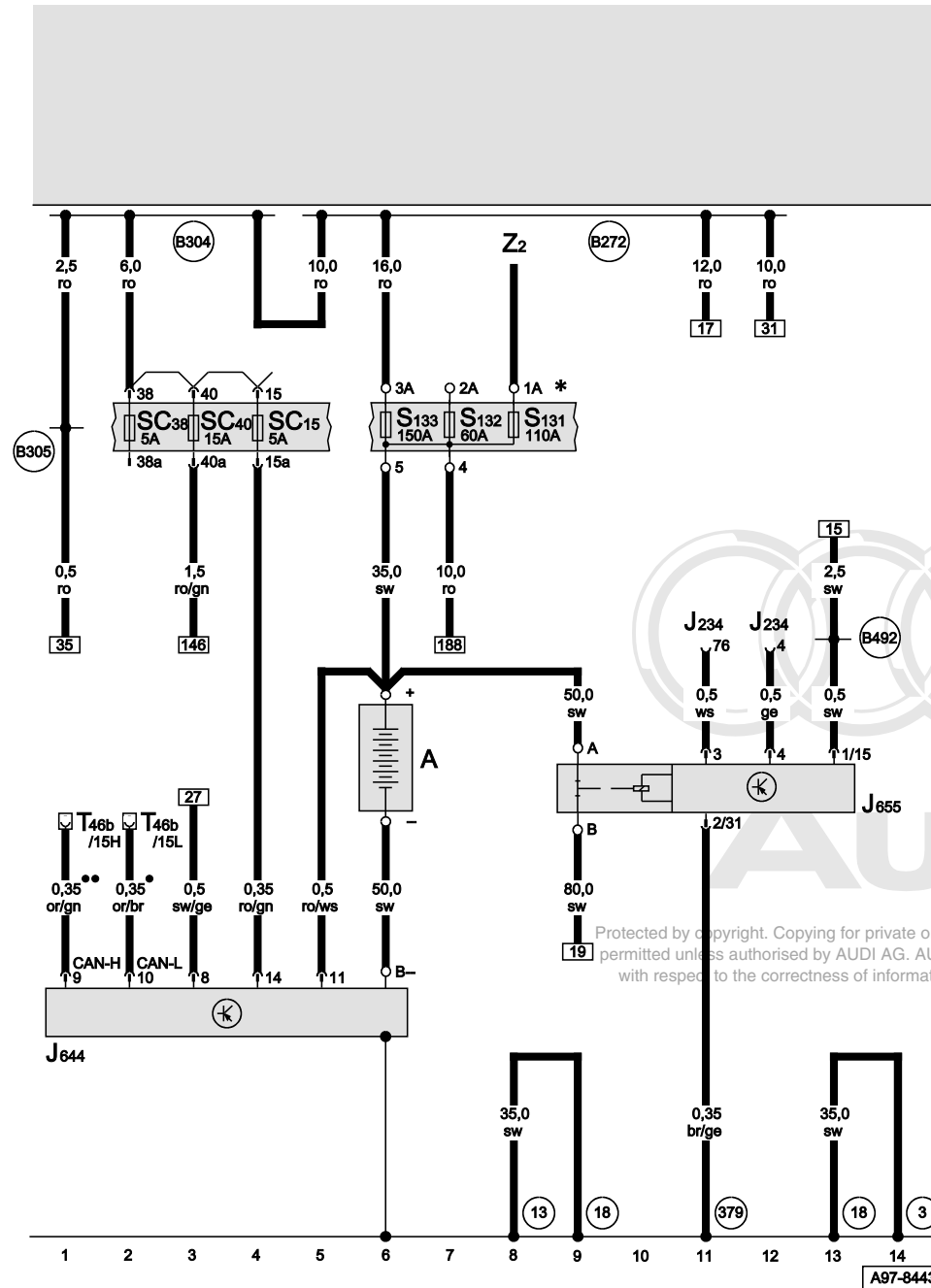
Position of relays

3 - Electric fuel pump II relay (J49)



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Battery, energy management control unit, battery cut-off relay



- A Battery
- J234 Airbag control unit
- J644 Energy management control unit
- J655 Battery cut-off relay
- S131 Fuse 1, 110 A, in luggage compartment, rear right
- S132 Fuse 2, 60 A, in luggage compartment, rear right
- S133 Fuse 3, 150 A, in luggage compartment, rear right
- SC15 Fuse -15- on fuse box
- SC38 Fuse -38- on fuse box
- SC40 Fuse -40- on fuse box
- T46b 46-pin connector, black, CAN separating connector, right
- Z2 Heated windscreen
- 3 Earth strap, engine - body
- 13 Earth point, in engine compartment, right
- 18 Earth point, on cylinder block
- 379 Earth connection -14-, in main wiring harness
- B272 Positive (+) connection (30), in main wiring harness
- B304 Positive (+) connection -8- (30), in main wiring harness
- B305 Positive (+) connection -9- (30), in main wiring harness
- B492 Positive (+) connection -3- (15), in interior wiring harness
- CAN bus (data wire)
- In luggage compartment, rear right

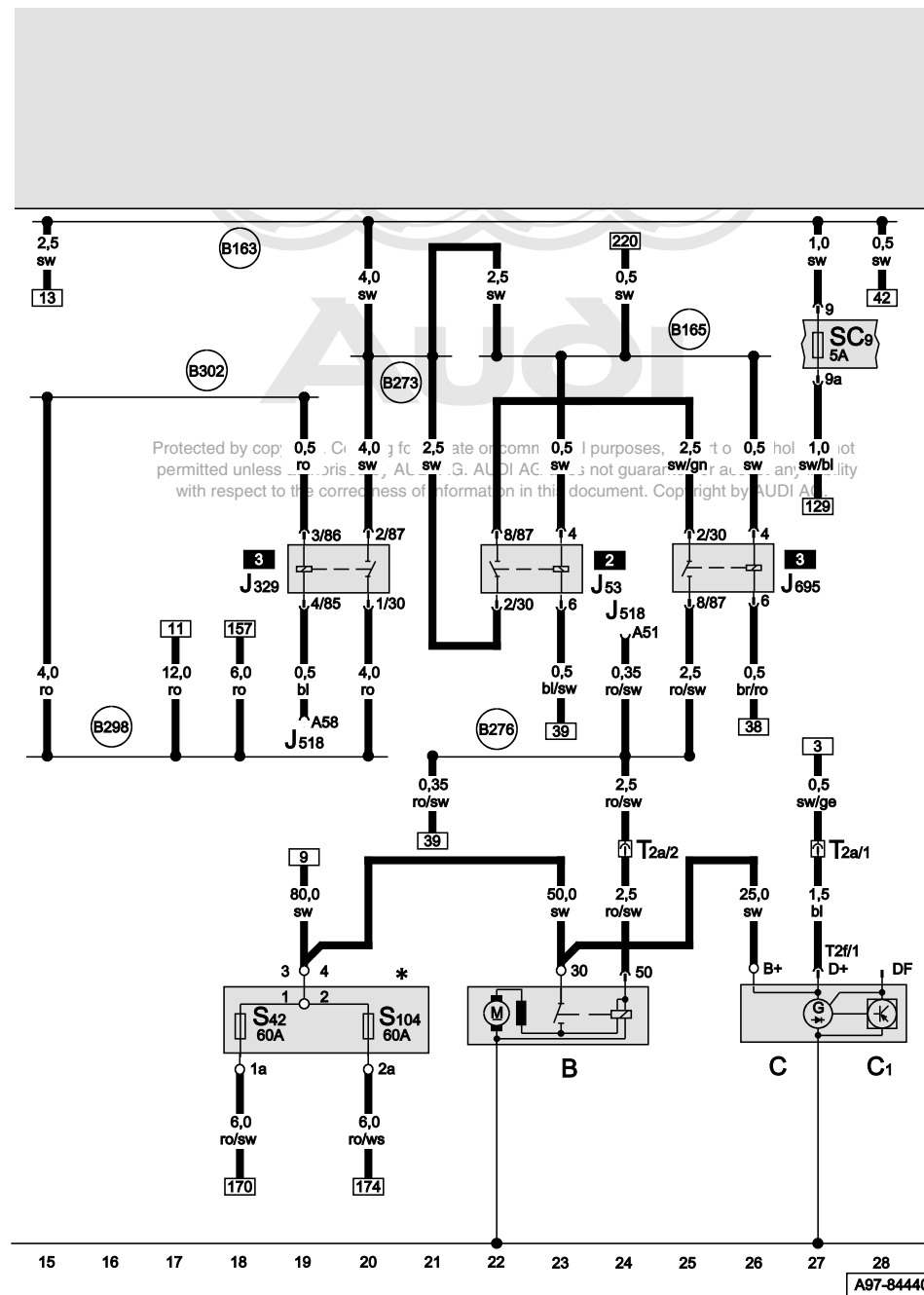
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

Starter, alternator, terminal 15 voltage supply relay, starter motor relay

- B Starter
- C Alternator
- C1 Voltage regulator
- J53 Starter motor relay
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J695 Starter motor relay -2-
- S42 Radiator fan single fuse
- S104 Radiator fan fuse, 2nd speed
- SC9 Fuse -9- on fuse box
- T2a 2-pin connector, black, in engine compartment, front right
- T2f 2-pin connector, black, on alternator

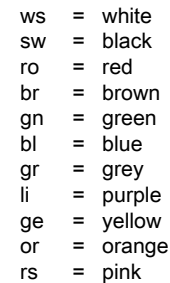
- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness
- B273 Positive (+) connection (15), in main wiring harness
- B276 Positive (+) connection (50), in main wiring harness
- B298 Positive (+) connection -2- (30), in main wiring harness
- B302 Positive (+) connection -6- (30), in main wiring harness

* Main fuse carrier, A pillar, right



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J271	Motronic current supply relay
J623	Engine control unit
SC21	Fuse -21- on fuse box
SC28	Fuse -28- on fuse box
SC30	Fuse -30- on fuse box
T17a	17-pin connector, black, in electronics box, plenum chamber
T17c	17-pin connector, brown, in electronics box, plenum chamber
T17d	17-pin connector, blue, in electronics box, plenum chamber

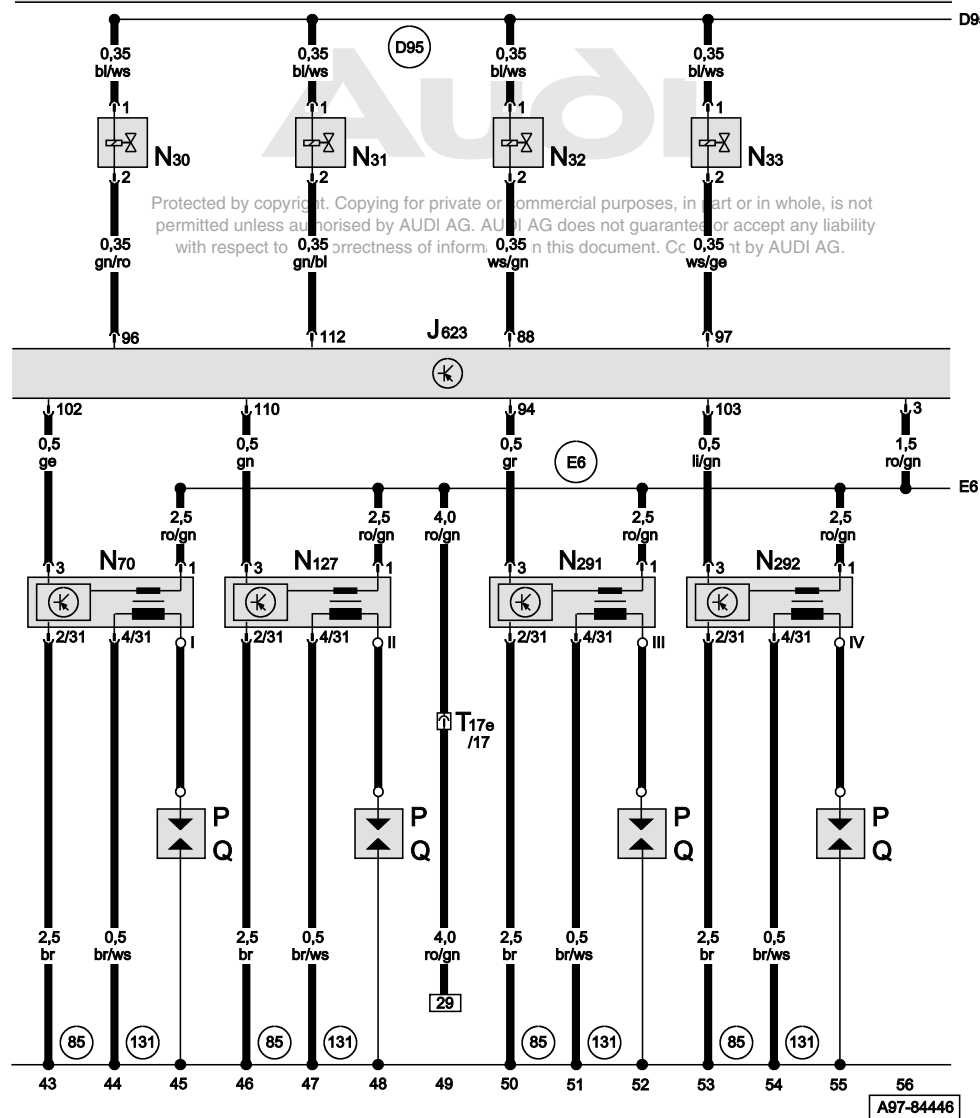


- | | |
|------|--|
| 17 | Earth point, on intake manifold |
| 43 | Earth point, lower part of right A pillar |
| 85 | Earth connection -1-, in engine compartment wiring harness |
| 131 | Earth connection -2-, in engine compartment wiring harness |
| 387 | Earth connection -22-, in main wiring harness |
| B147 | Positive (+) connection -2- (87), in interior wiring harness |
| B303 | Positive (+) connection -7- (30), in main wiring harness |

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Engine control unit, injectors for cylinders 1 - 4, ignition coils for cylinders 1 - 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- 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, red, in electronics box, plenum chamber
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- E6 Positive (+) connection -1- (15), in Motronic wiring harness

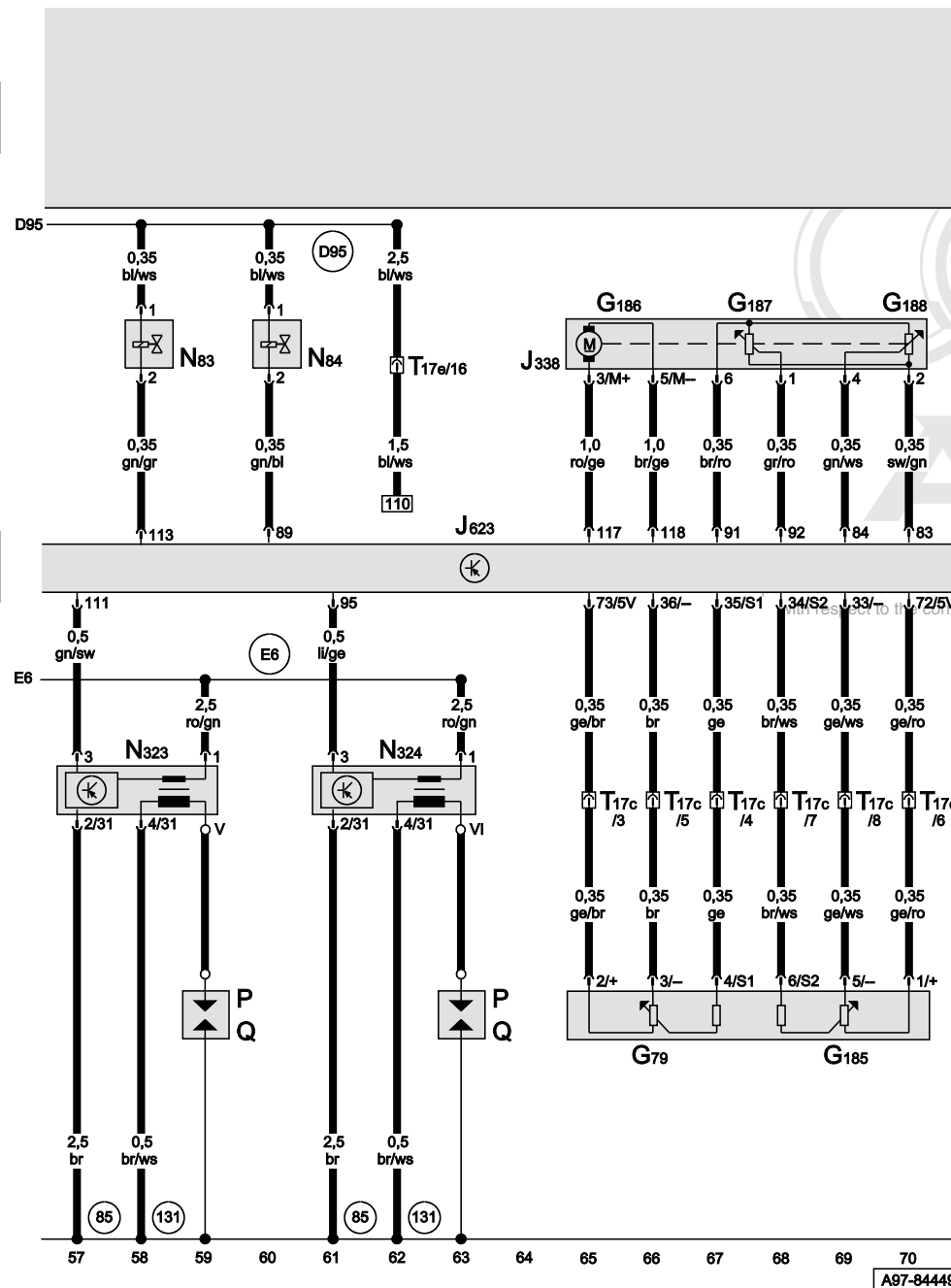


Engine control unit, injectors for cylinders 5 and 6, ignition coils for cylinders 5 and 6, throttle valve module, accelerator pedal position senders

- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender -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)
- J338 Throttle valve module
- J623 Engine control unit
- N83 Injector, cylinder 5
- N84 Injector, cylinder 6
- N323 Ignition coil -5- with final output stage
- N324 Ignition coil -6- with final output stage
- P Spark plug connector
- Q Spark plugs
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17e 17-pin connector, red, in electronics box, plenum chamber

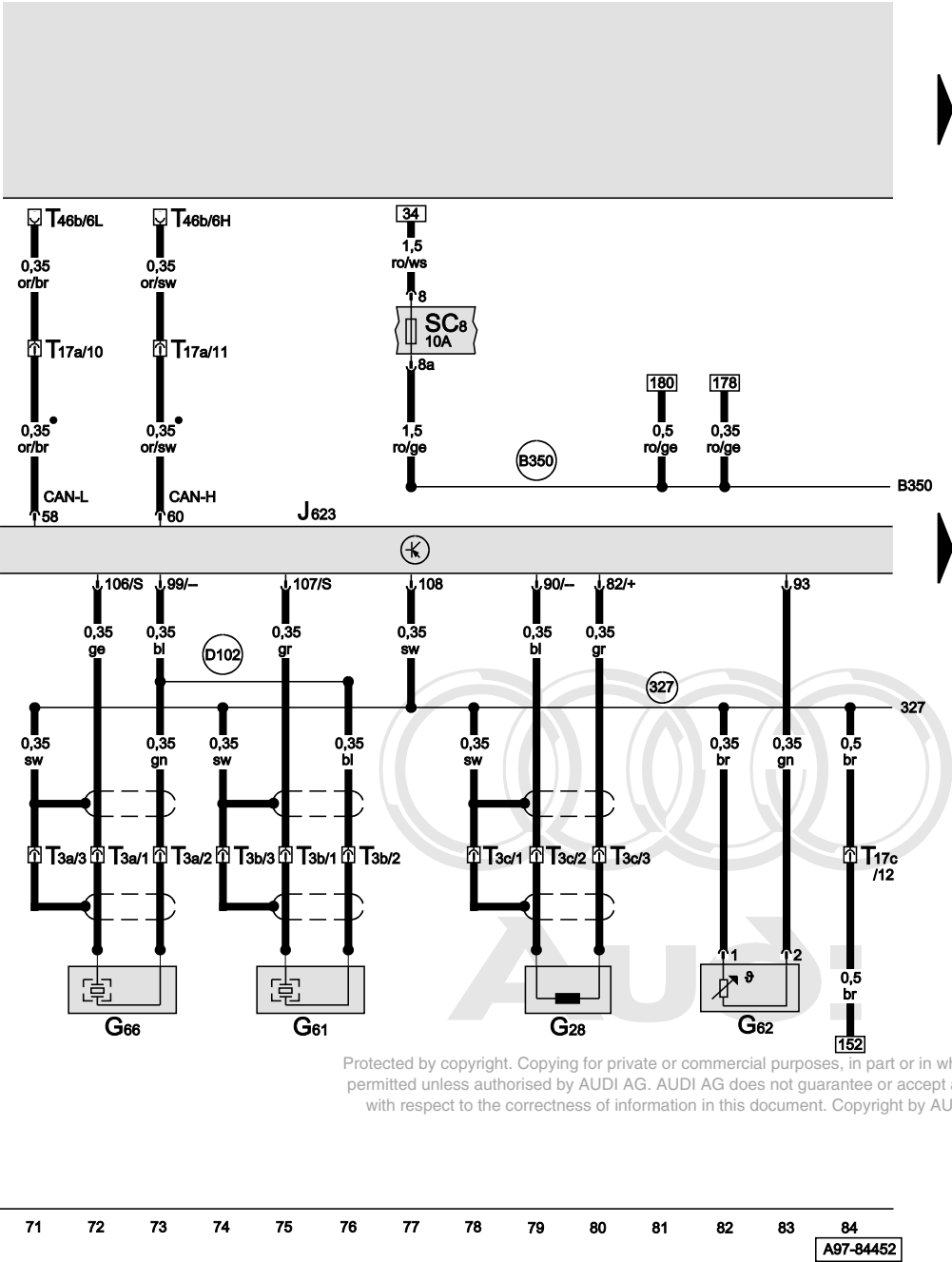
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- E6 Positive (+) connection -1- (15), in Motronic wiring harness

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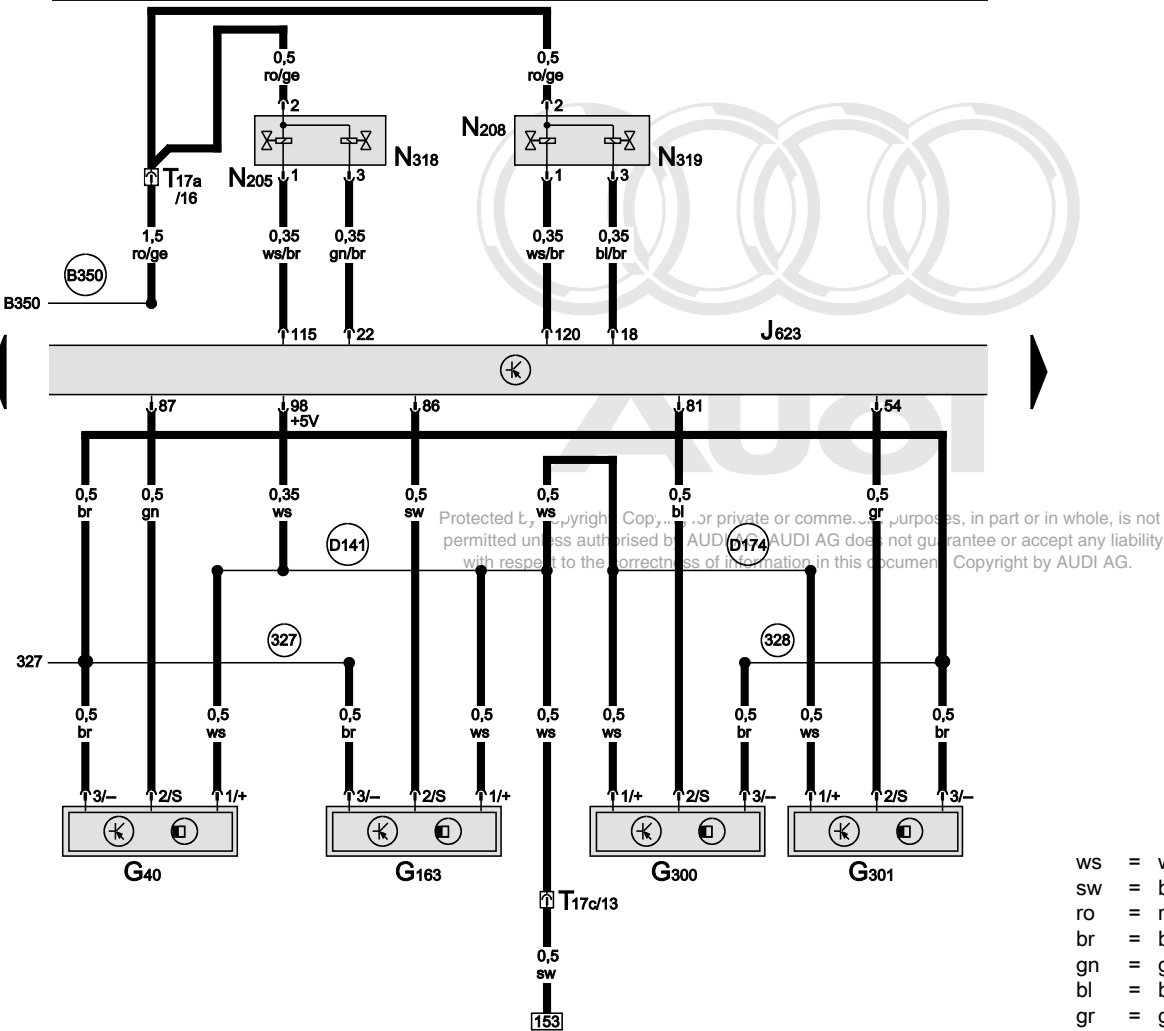


Engine control unit, knock sensor 1, knock sensor 2, engine speed sender

- G28 Engine speed sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G66 Knock sensor 2
- J623 Engine control unit
- SC8 Fuse -8- on fuse box
- T3a 3-pin connector, blue, at knock sensor 2
- T3b 3-pin connector, blue, at knock sensor 1
- T3c 3-pin connector, grey, on engine speed sender
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T46b 46-pin connector, black, CAN bus separating connector, right
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B350 Positive (+) connection -1- (87a), in main wiring harness
- D102 Connection -2-, in engine compartment wiring harness
 - CAN bus (data wire)



Engine control unit, Hall senders, camshaft timing adjustment valves

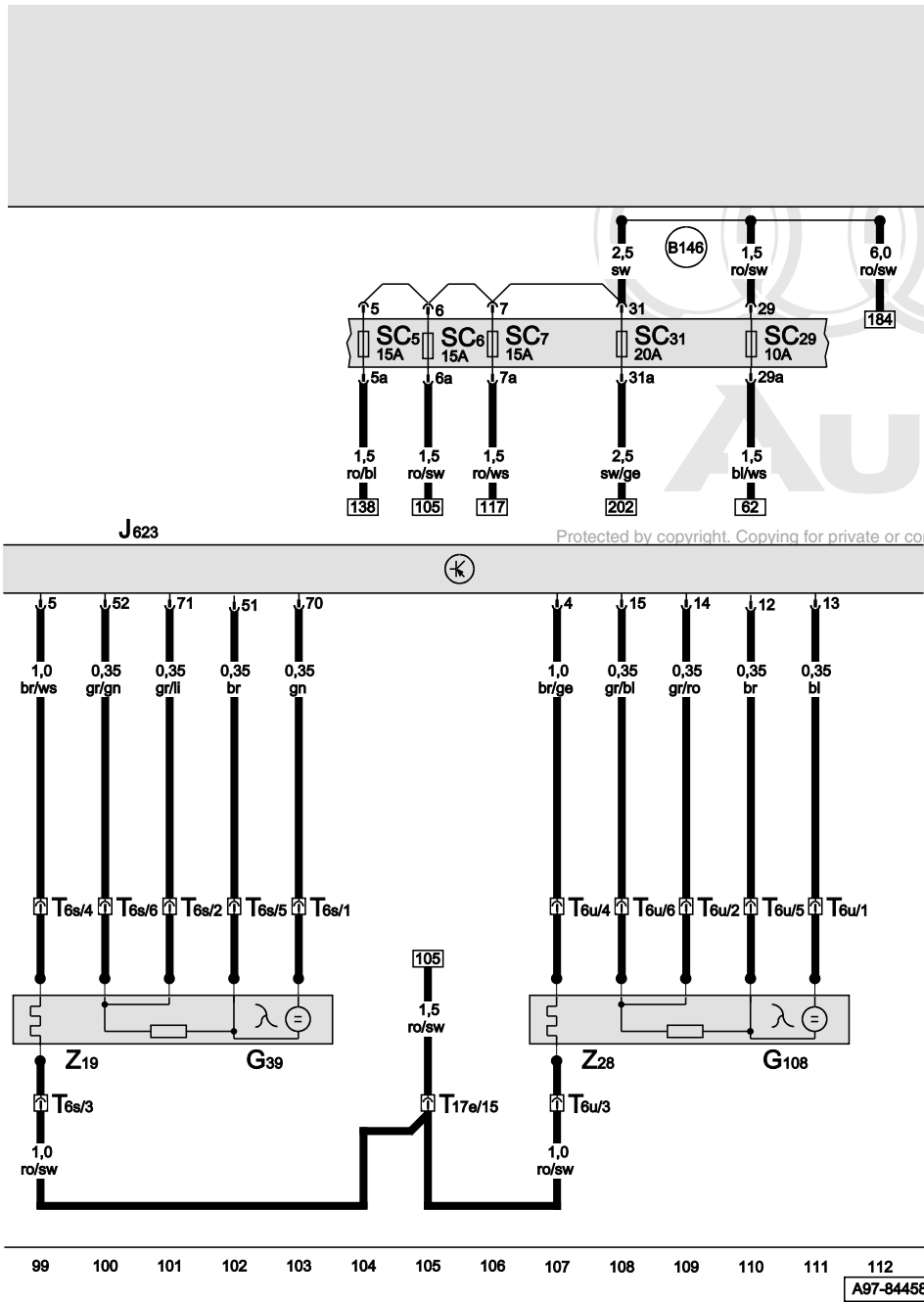


- G40 Hall sender
- G163 Hall sender 2
- G300 Hall sender 3
- G301 Hall sender 4
- J623 Engine control unit
- N205 Inlet camshaft timing adjustment valve 1
- N208 Inlet camshaft timing adjustment valve 2
- N318 Exhaust camshaft timing adjustment valve -1-
- N319 Exhaust camshaft timing adjustment valve -2-
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- 327 Earth connection (sender earth), in engine compartment wiring harness
- 328 Earth connection -2- (sender earth), in engine compartment wiring harness
- B350 Positive (+) connection -1- (87a), in main wiring harness
- D141 Connection (5V), in engine wiring harness
- D174 Connection -2- (5V), in engine wiring harness

Engine control unit, lambda probe, lambda probe 2

- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- SC5 Fuse -5- on fuse box
- SC6 Fuse -6- on fuse box
- SC7 Fuse -7- on fuse box
- SC29 Fuse -29- on fuse box
- SC31 Fuse -31- on fuse box
- T6s 6-pin connector, black, for lambda probe
- T6u 6-pin connector, brown, for lambda probe 2
- T17e 17-pin connector, red, in electronics box, plenum chamber
- Z19 Lambda probe heater
- Z28 Lambda probe 2 heater

B146 Positive (+) connection -1- (87), in interior wiring harness

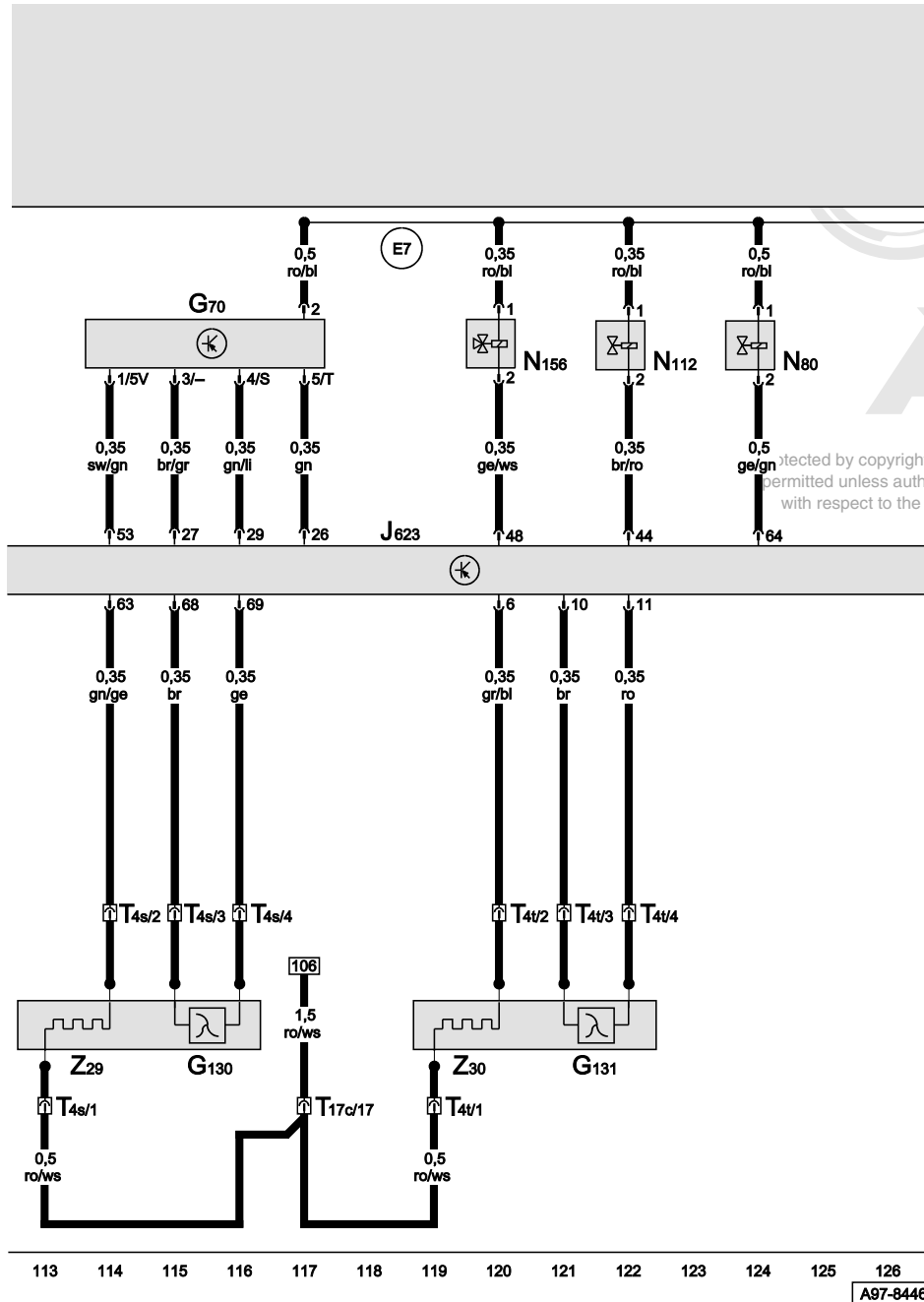


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Engine control unit, lambda probes downstream of catalytic converter, air mass meter, intake manifold change-over valve, secondary air inlet valve, activated charcoal filter system solenoid valve 1 (pulsed)

- G70 Air mass meter
- G130 Lambda probe downstream of catalytic converter
- G131 Lambda probe 2 downstream of catalytic converter
- J623 Engine control unit
- N80 Activated charcoal filter system solenoid valve 1 (pulsed)
- N112 Secondary air inlet valve
- N156 Intake manifold change-over valve
- T4s 4-pin connector, green, for lambda probe 1 downstream of catalytic converter
- T4t 4-pin connector, brown, for lambda probe 2 downstream of catalytic converter
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- Z29 Lambda probe 1 heater, downstream of catalytic converter
- Z30 Lambda probe 2 heater, downstream of catalytic converter

E7 Connection (87a), in Motronic wiring harness

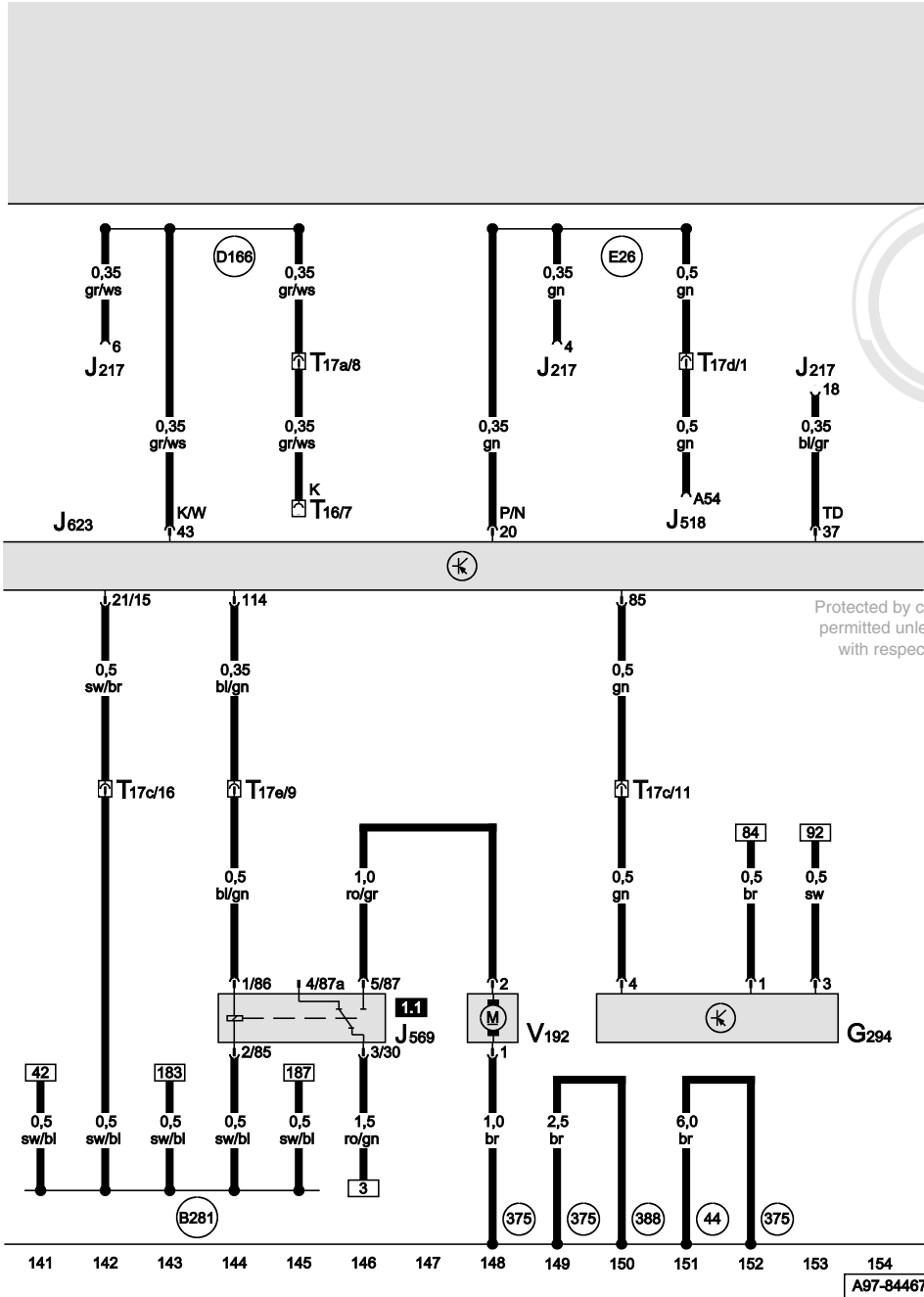


Engine control unit, brake servo relay, vacuum pump for brakes, brake servo pressure sensor

- G294 Brake servo pressure sensor
- J217 Automatic gearbox control unit
- J518 Entry and start authorisation control unit
- J569 Brake servo relay
- J623 Engine control unit
- T16 16-pin connector, black, diagnosis connection
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber
- T17e 17-pin connector, red, in electronics box, plenum chamber
- V192 Vacuum pump for brakes

- 44 Earth point, lower part of left A pillar
- 375 Earth connection -10-, in main wiring harness
- 388 Earth connection -23-, in main wiring harness
- B281 Positive (+) connection -5- (15a), in main wiring harness
- D166 Connection (K diagnosis wiring), in engine compartment wiring harness
- E26 Connection (selector lever lock), in Motronic wiring harness

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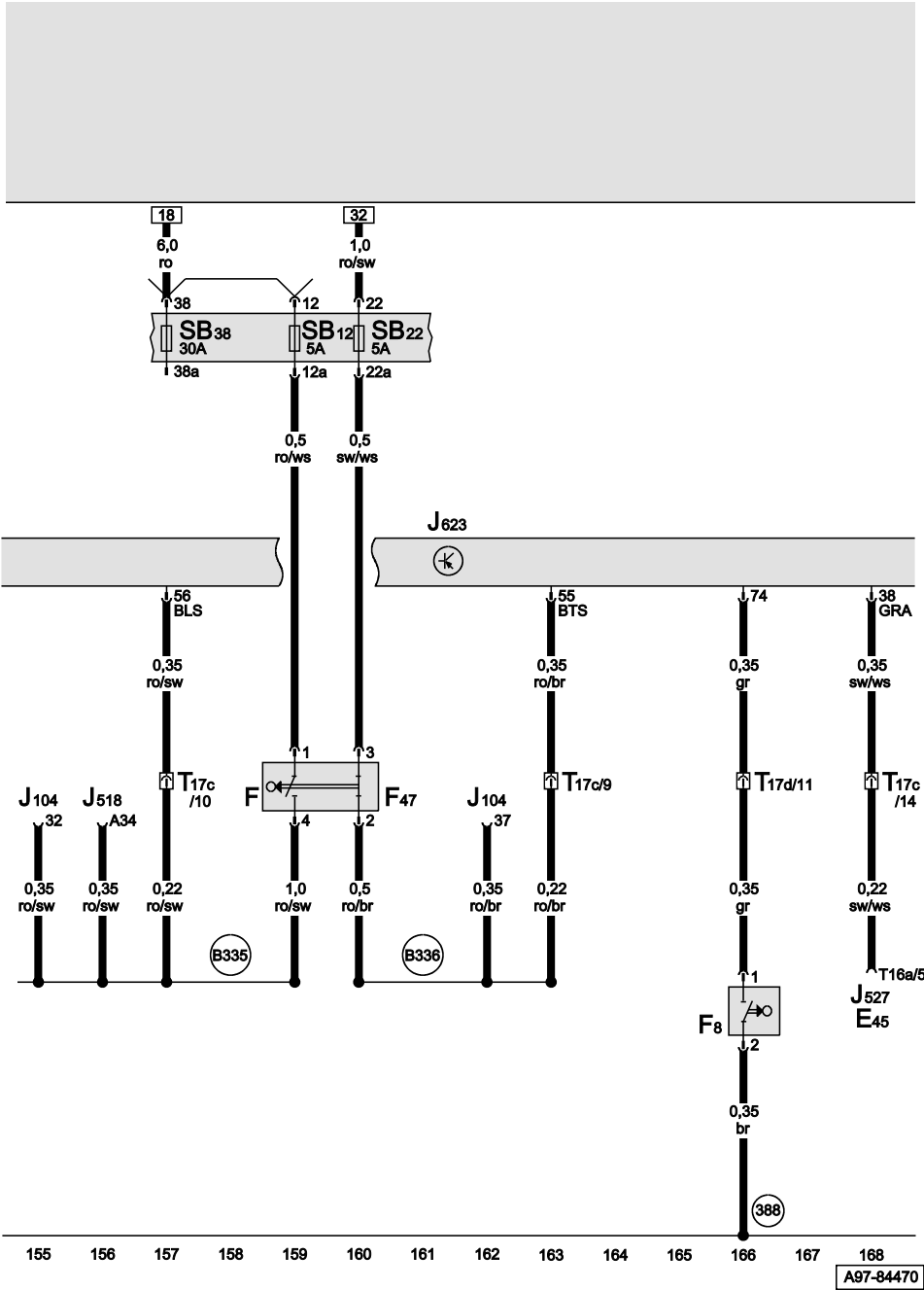
Engine control unit, brake light switch, kick-down switch, cruise control system brake pedal switch, cruise control system switch

- E45 Cruise control system switch
- F Brake light switch
- F8 Kick-down switch
- F47 Cruise control system brake pedal switch
- J104 ABS with EDL control unit
- J518 Entry and start authorisation control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- SB12 Fuse -12- on fuse box
- SB22 Fuse -22- on fuse box
- SB38 Fuse -38- on fuse box
- T16a 16-pin connector, on steering column electronics control unit
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber

- 388 Earth connection -23-, in main wiring harness
- B335 Connection -1- (54), in main wiring harness
- B336 Connection -2- (54), in main wiring harness

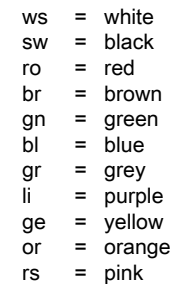
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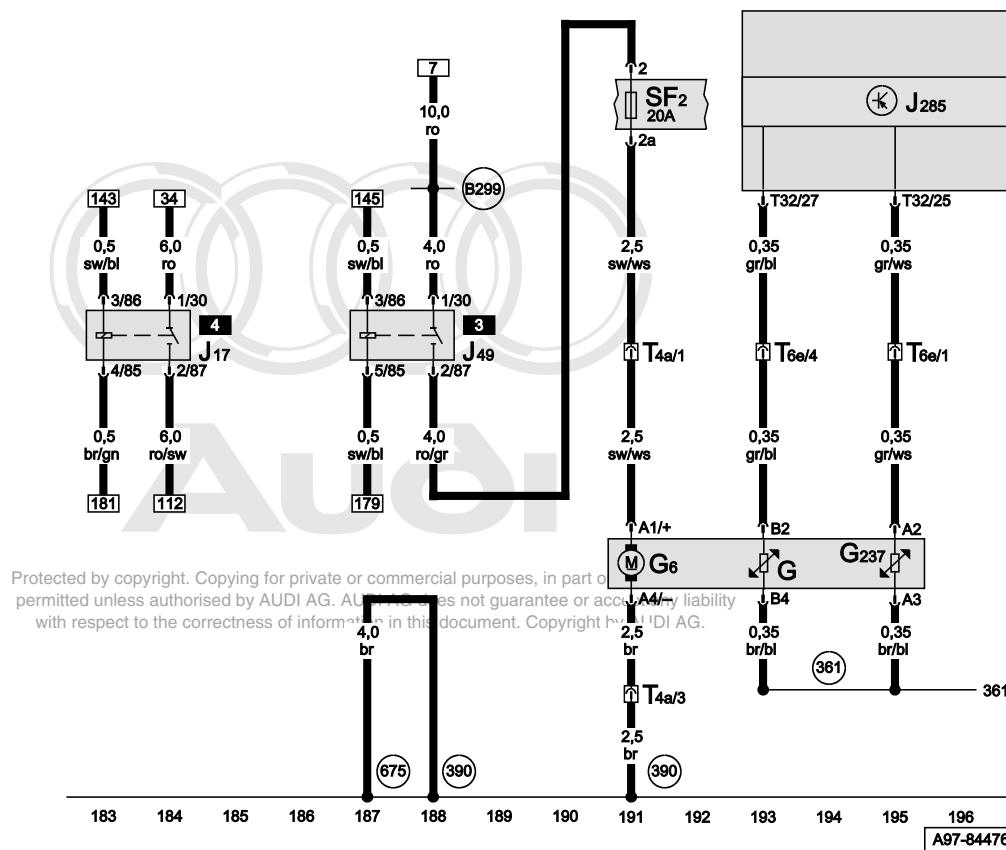
J151	Continued coolant circulation relay
J623	Engine control unit
SC17	Fuse 17 on fuse box
T17a	17-pin connector, black, in electronics box, plenum chamber
T17e	17-pin connector, red, in electronics box, plenum chamber
V7	Radiator fan
V51	Continued coolant circulation pump
V177	Radiator fan 2

- * For countries with hot climate only
- ** Does not apply to countries with hot climate
- # Models with trailer coupling
- ## Models without trailer coupling



Fuel pump relay, electric fuel pump 2 relay, control unit with display in dash panel insert

- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G237 Fuel gauge sender 3
- J17 Fuel pump relay
- J49 Electric fuel pump 2 relay
- J285 Control unit with display in dash panel insert
- SF2 Fuse 2 on fuse box
- T4a 4-pin connector, under cover, right, on vehicle floor
- T6e 6-pin connector, under cover, right, on vehicle floor
- T32 32-pin connector, blue, on dash panel insert
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness
- 675 Earth point 2, in luggage compartment, right
- B299 Positive (+) connection 3 (30), in main wiring harness

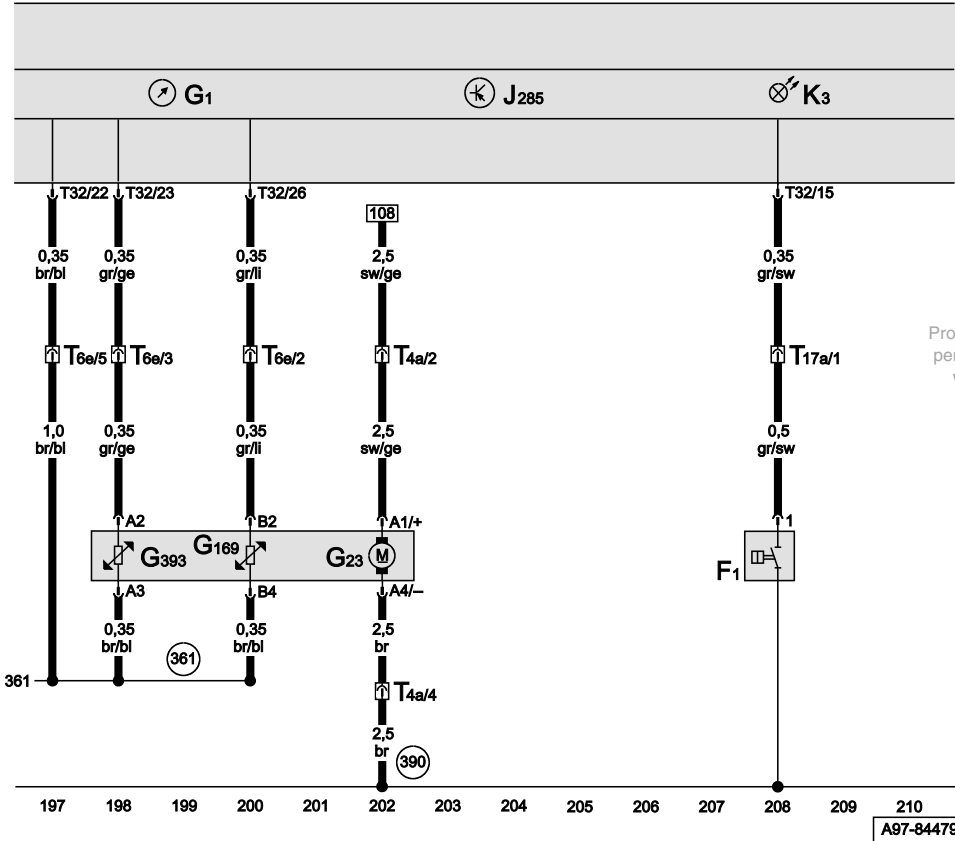


Control unit with display in dash panel insert, fuel gauge, fuel pump, fuel gauge senders, oil pressure warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G23 Fuel pump
- G169 Fuel gauge sender 2
- G393 Fuel gauge sender 4
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- T4a 4-pin connector, under cover, right, on vehicle floor
- T6e 6-pin connector, under cover, right, on vehicle floor
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T32 32-pin connector, blue, on dash panel insert

361 Earth connection (fuel gauge sender), in main wiring harness

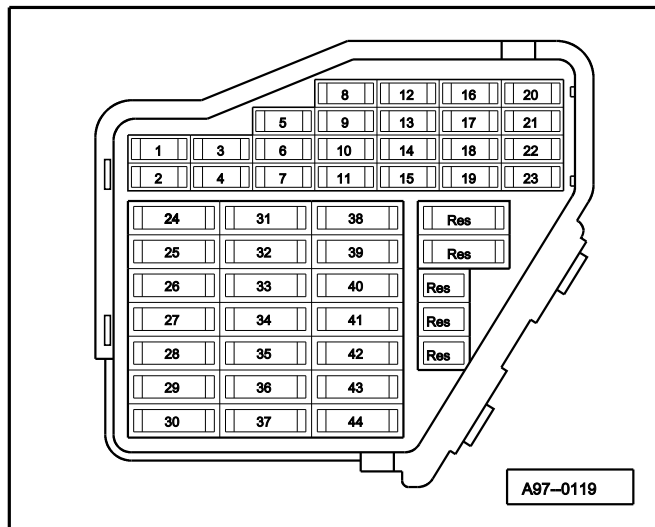
390 Earth connection 25, in main wiring harness



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Fuse box, dash panel, left



Fuse colours

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

SB - Fuses in fuse box, dash panel, left

SC - Fuses in fuse box, dash panel, right

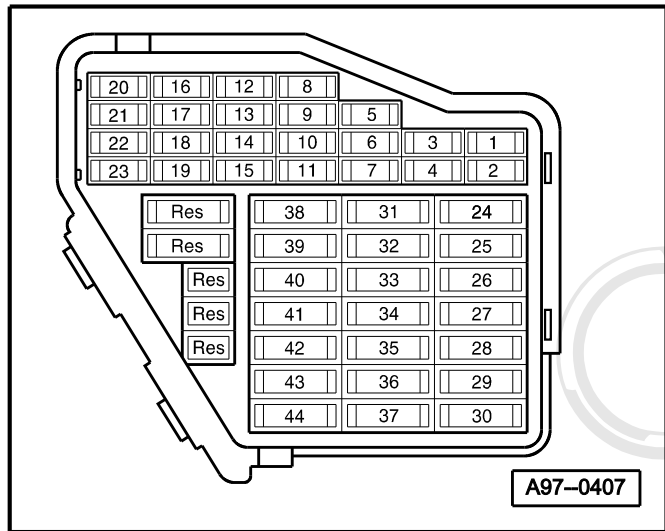
SD - Fuses in fuse box, luggage compartment, left

SF - Fuses in fuse box, luggage compartment, right

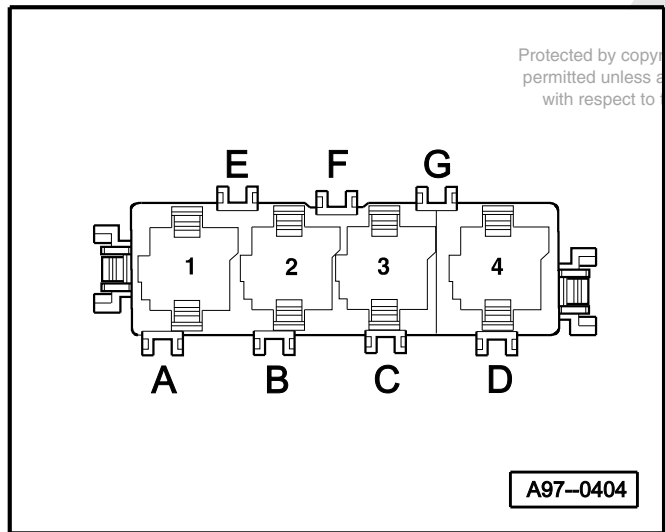


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Fuse box, dash panel, right



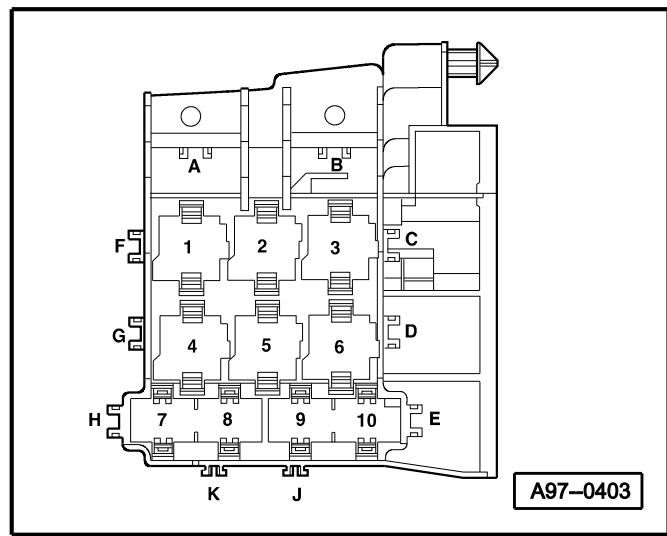
Relay carrier, electronics box, plenum chamber



Position of relays

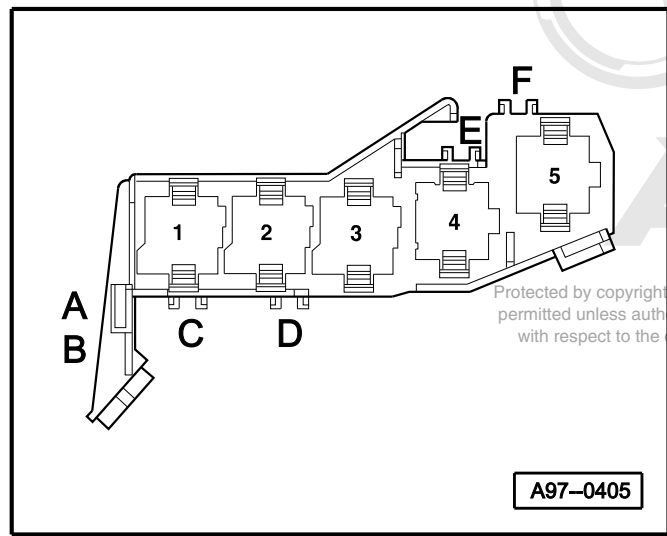
- 2 - Terminal 30 voltage supply relay (J317)
- 4 - Automatic glow period control unit (J179)

B - Fuse for glow plugs (S125, 80 A)
Relay and fuse carrier, behind dash panel, left



Position of relays

3 - Terminal 15 voltage supply relay (J329)
Relay carrier, front passenger's footwell



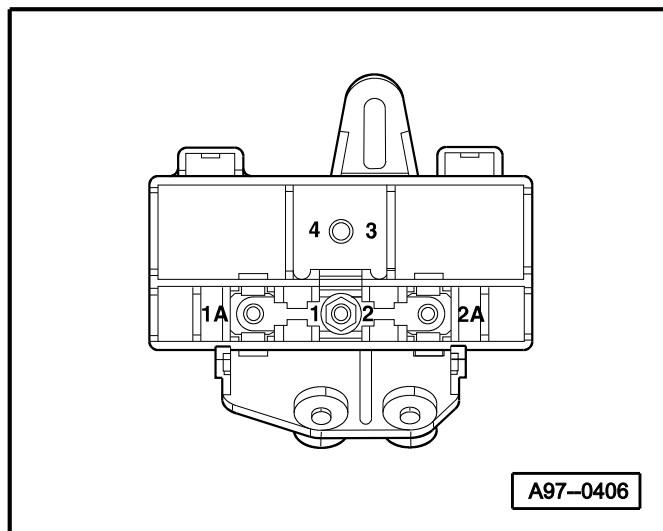
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Position of relays

2 - Starter motor relay (J53)

3 - Starter motor relay -2- (J695)

Position of components in: main fuse carrier, A pillar, right



Position of fuses

1 - Radiator fan single fuse (S42, 60 A)

1A - Screw connection for radiator fan 1

2 - Radiator fan fuse, 2nd speed (S104, 60 A)

2A - Screw connection for radiator fan 2

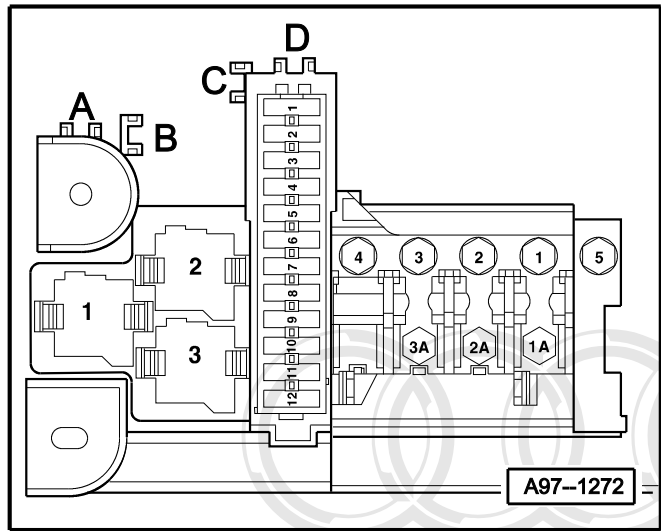
3 - Screw connection for terminal 30 (battery)

4 - Screw connection for terminal 30 (starter)



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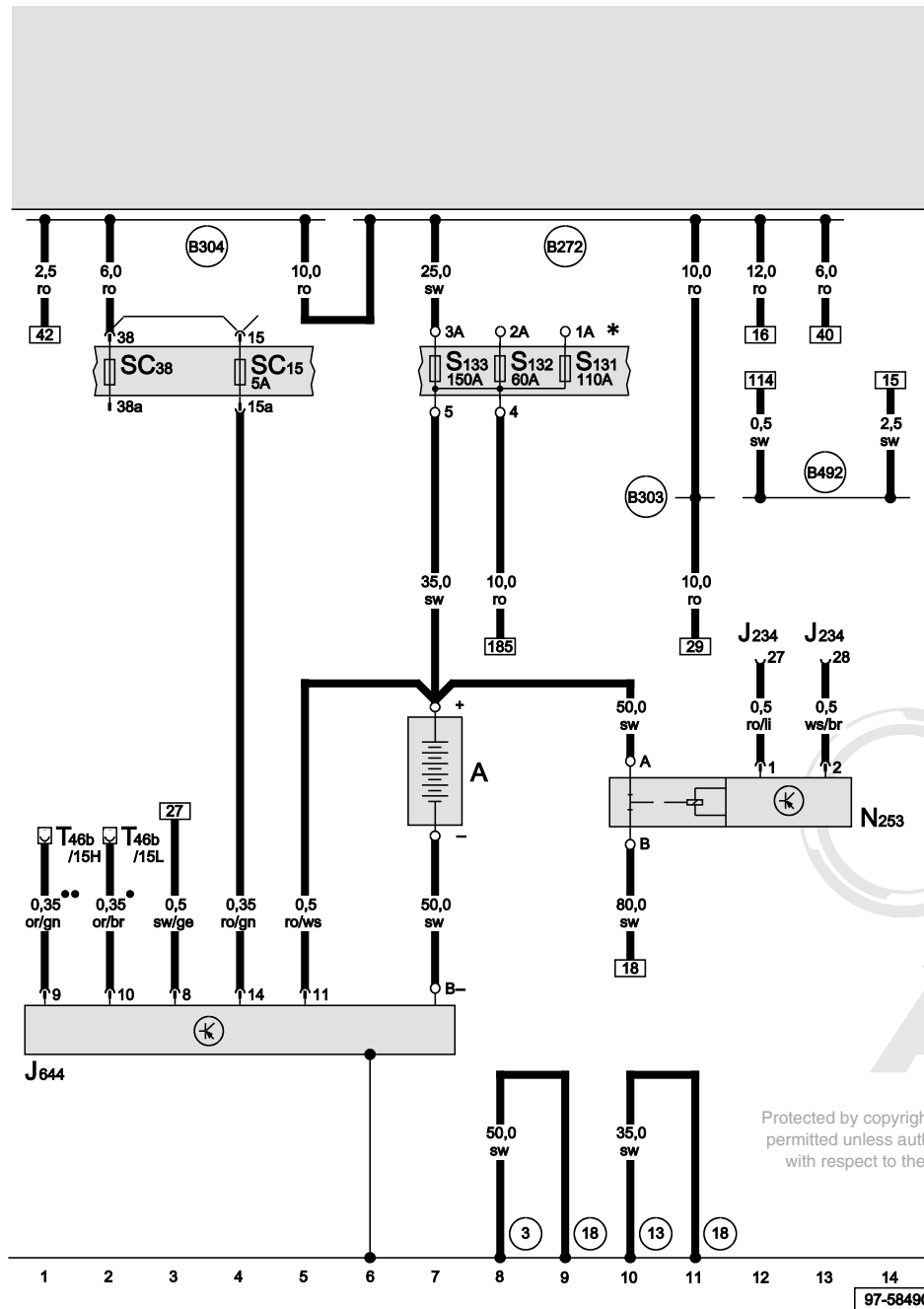
Relay and fuse carrier, luggage compartment, right



Position of relays

3 - Fuel pump relay (J17)

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Battery, energy management control unit, battery cut-off relay, fuses

- A Battery
- J234 Airbag control unit
- J644 Energy management control unit
- J655 Battery cut-off relay
- S131 Fuse 1, 110 A, in luggage compartment, rear right
- S132 Fuse 2, 60 A, in luggage compartment, rear right
- S133 Fuse 3, 150 A, in luggage compartment, rear right
- SC15 Fuse -15- on fuse box
- SC38 Fuse -38- on fuse box
- T46b 46-pin connector, black, CAN separating connector, right
- 3 Earth strap, engine - body
- 13 Earth point, in engine compartment, right
- 18 Earth point, on cylinder block
- 379 Earth connection -14-, in main wiring harness
- B272 Positive (+) connection (30), in main wiring harness
- B303 Positive (+) connection -7- (30), in main wiring harness
- B304 Positive (+) connection -8- (30), in main wiring harness
- B492 Positive (+) connection -3- (15), in interior wiring harness
- CAN bus (data wire)
- * In luggage compartment, rear right

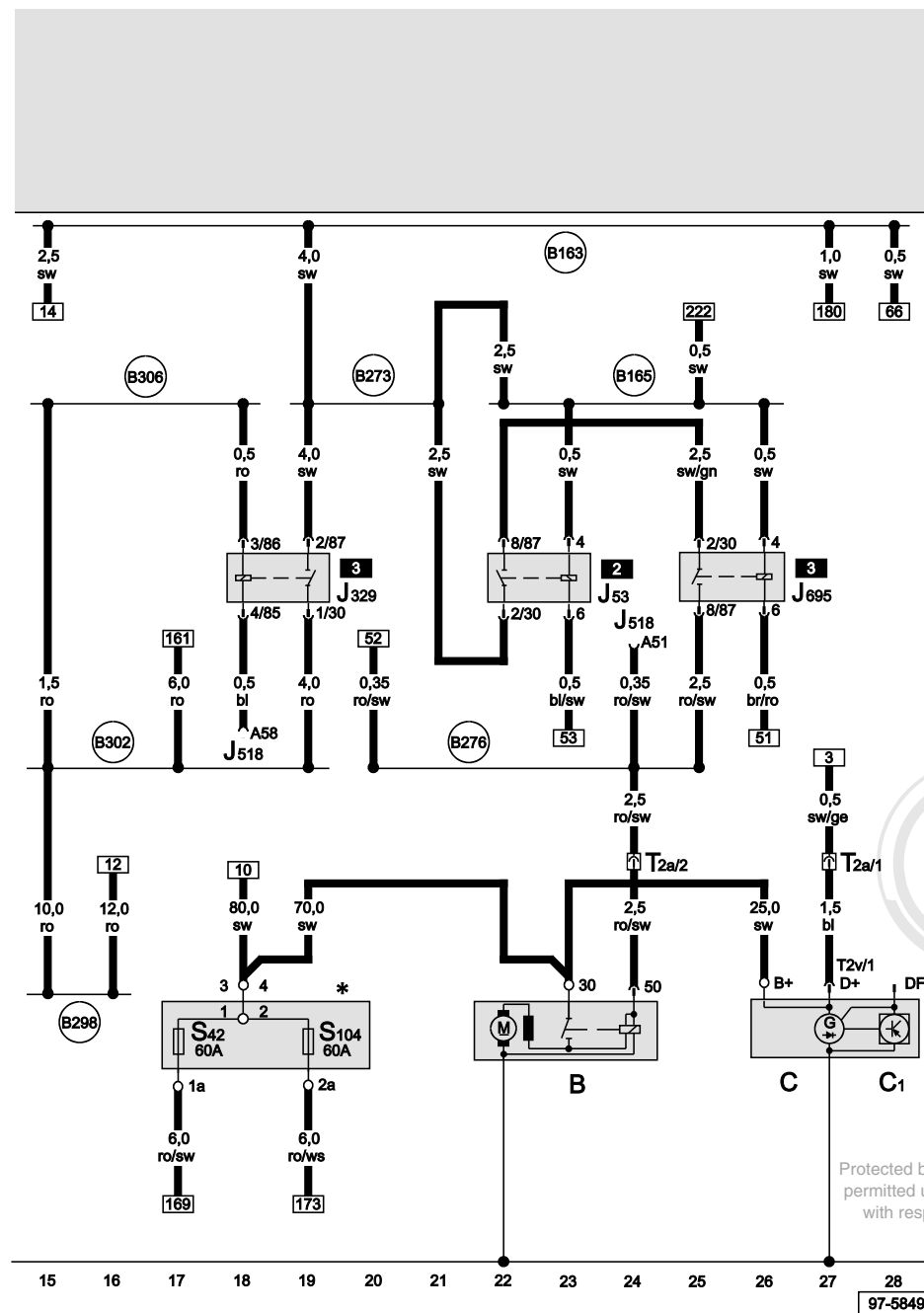
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Starter, alternator, terminal 15 voltage supply relay, starter motor relay

- B Starter
- C Alternator
- C1 Voltage regulator
- J53 Starter motor relay
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J695 Starter motor relay 2
- S42 Radiator fan single fuse
- S104 Radiator fan fuse, 2nd speed
- T2a 2-pin connector, black, in engine compartment, front right
- T2v 2-pin connector, red, on alternator

- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness
- B273 Positive (+) connection (15), in main wiring harness
- B276 Positive (+) connection (50), in main wiring harness
- B298 Positive (+) connection -2- (30), in main wiring harness
- B302 Positive (+) connection -6- (30), in main wiring harness
- * Main fuse carrier, A pillar, right



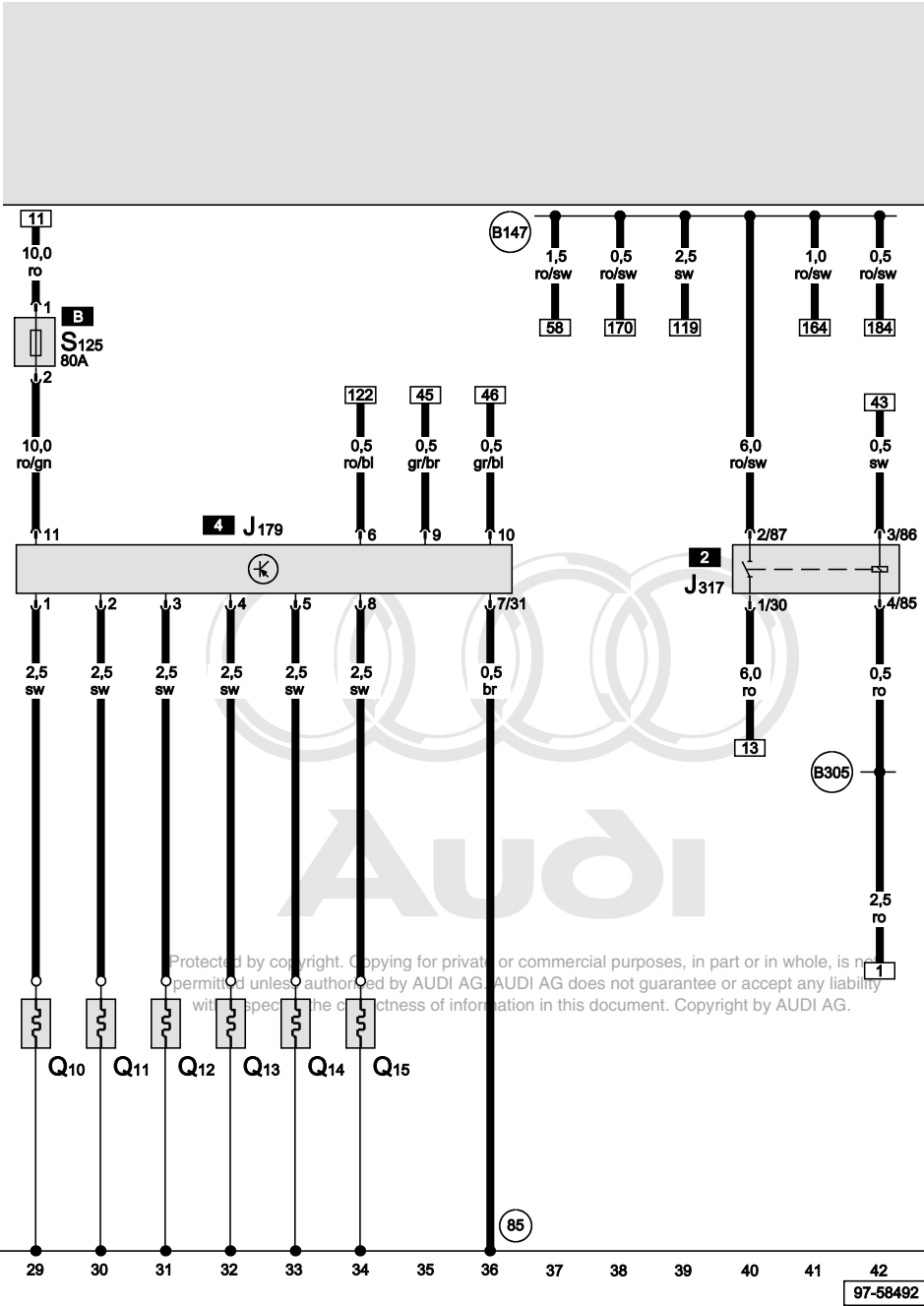
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Automatic glow period control unit, terminal 30 voltage supply relay, glow plugs, fuse for glow plugs

- J179 Automatic glow period control unit
- J317 Terminal 30 voltage supply relay
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- Q14 Glow plug 5
- Q15 Glow plug 6
- S125 Fuse for glow plugs

- 85 Earth connection 1, in engine compartment wiring harness
- B147 Positive (+) connection 2 (87), in interior wiring harness
- B305 Positive (+) connection 9 (30), in main wiring harness

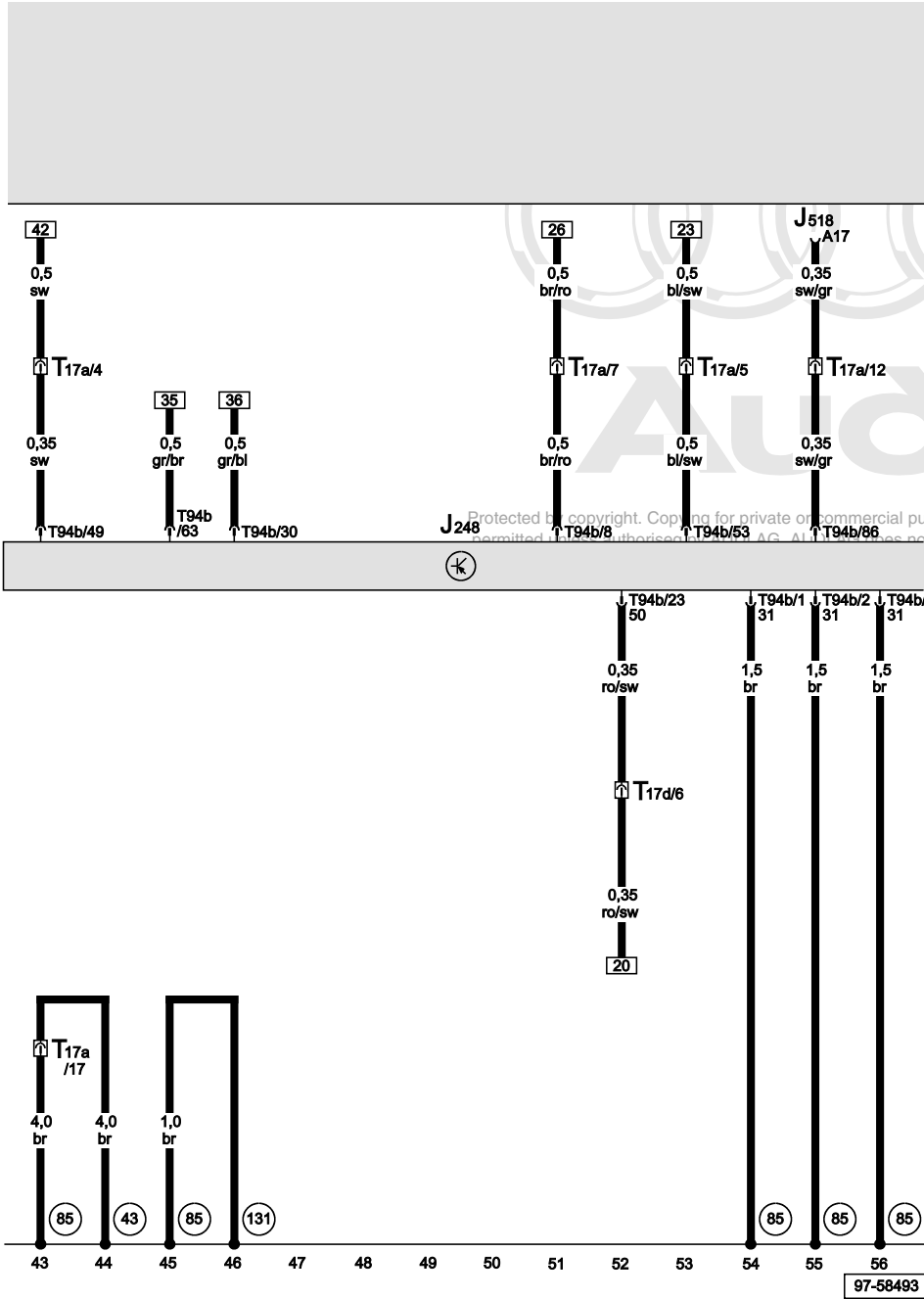


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Diesel direct injection system control unit

- J248 Diesel direct injection system control unit
- J518 Entry and start authorisation control unit
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber

- 43 Earth point, lower part of right A pillar
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness



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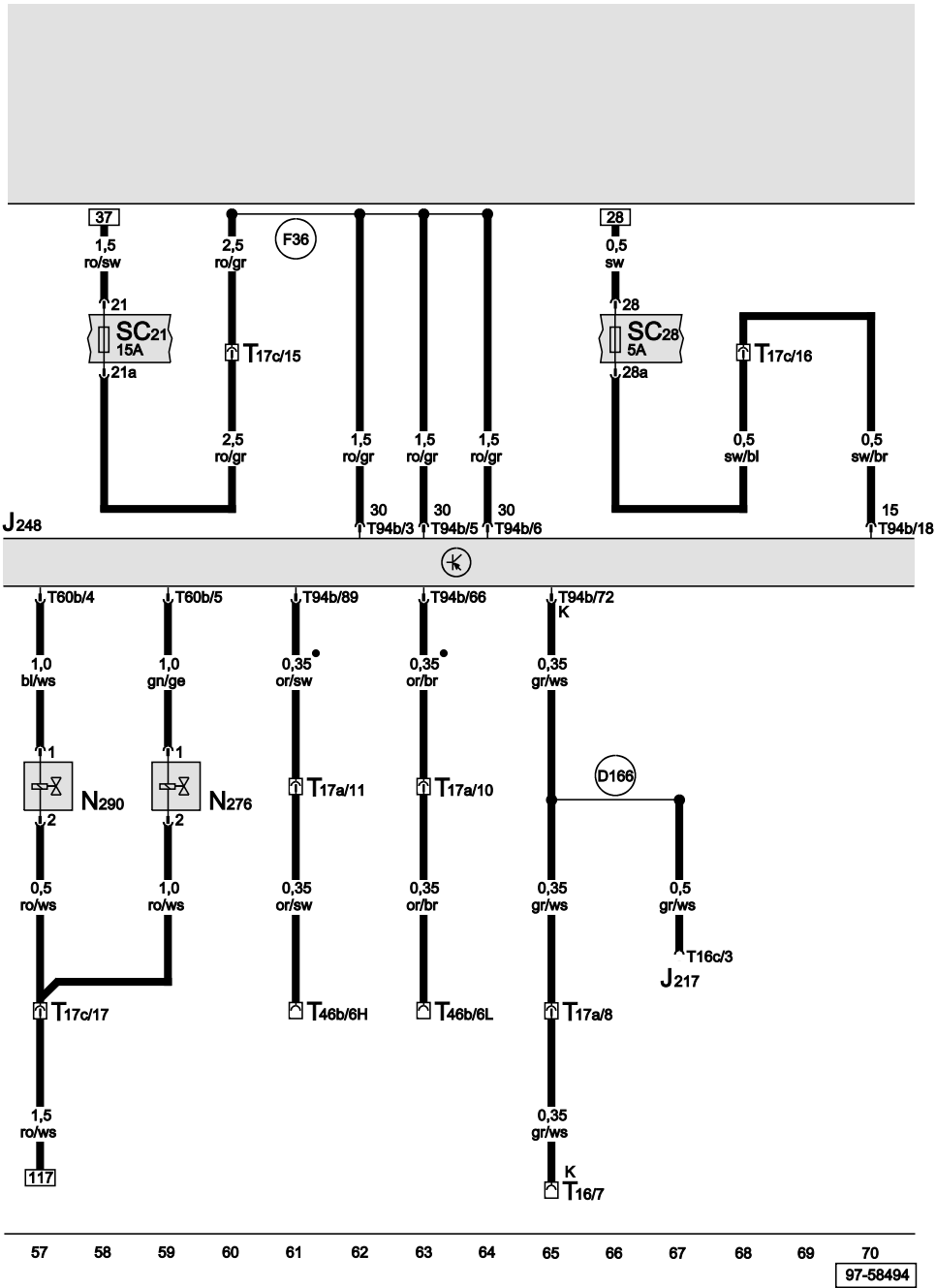
Diesel direct injection system control unit, fuel pressure regulating valve, fuel metering valve

- J217 Automatic gearbox control unit
- J248 Diesel direct injection system control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- SC21 Fuse -21- on fuse box
- SC28 Fuse -28- on fuse box
- T16 16-pin connector, black, diagnosis connection
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T46b 46-pin connector, black, CAN bus separating connector, right
- D166 Connection (K diagnosis wiring), in engine compartment wiring harness
- F36 Connection (87a), in diesel direct injection system wiring harness
 - CAN bus (data wire)



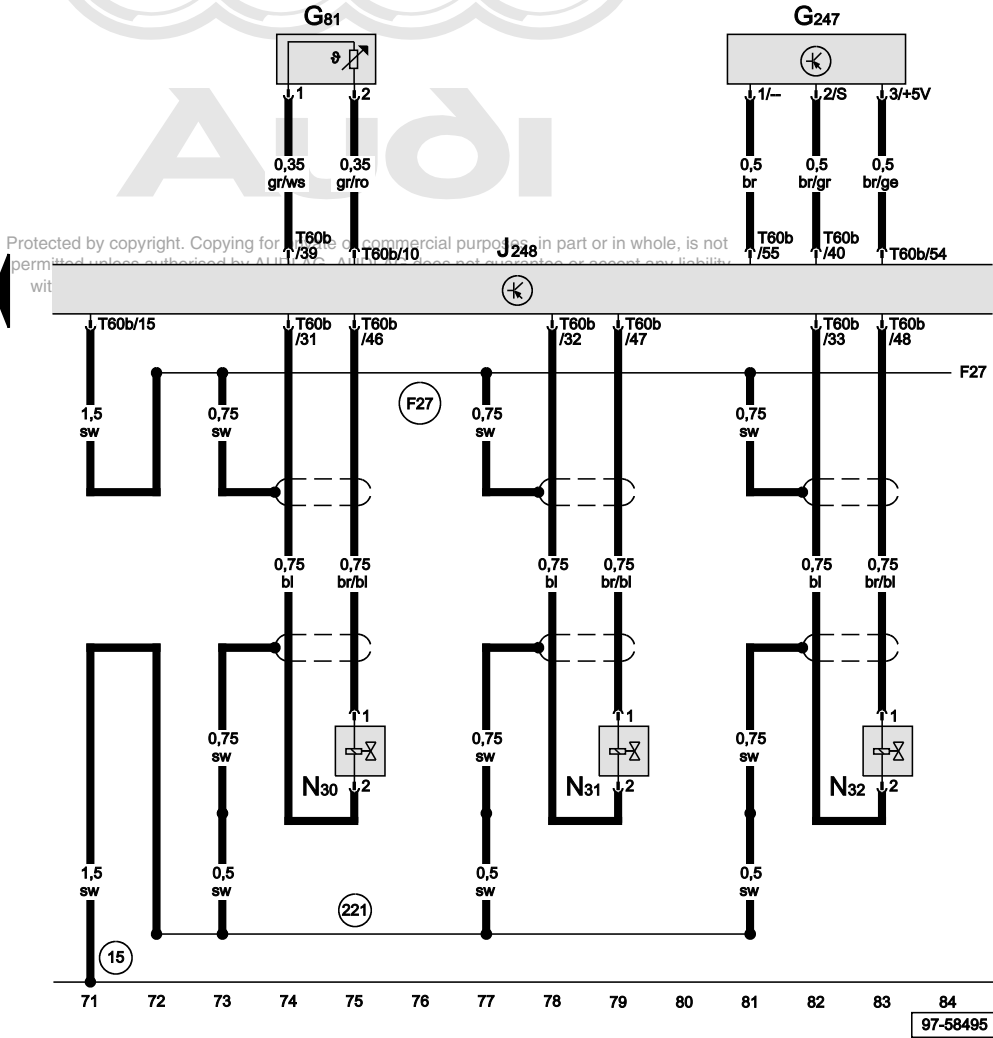
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Diesel direct injection system control unit, fuel temperature sender, fuel pressure sender, injectors for cylinders 1 - 6

- G81 Fuel temperature sender
- G247 Fuel pressure sender
- J248 Diesel direct injection system control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- N84 Injector, cylinder 6

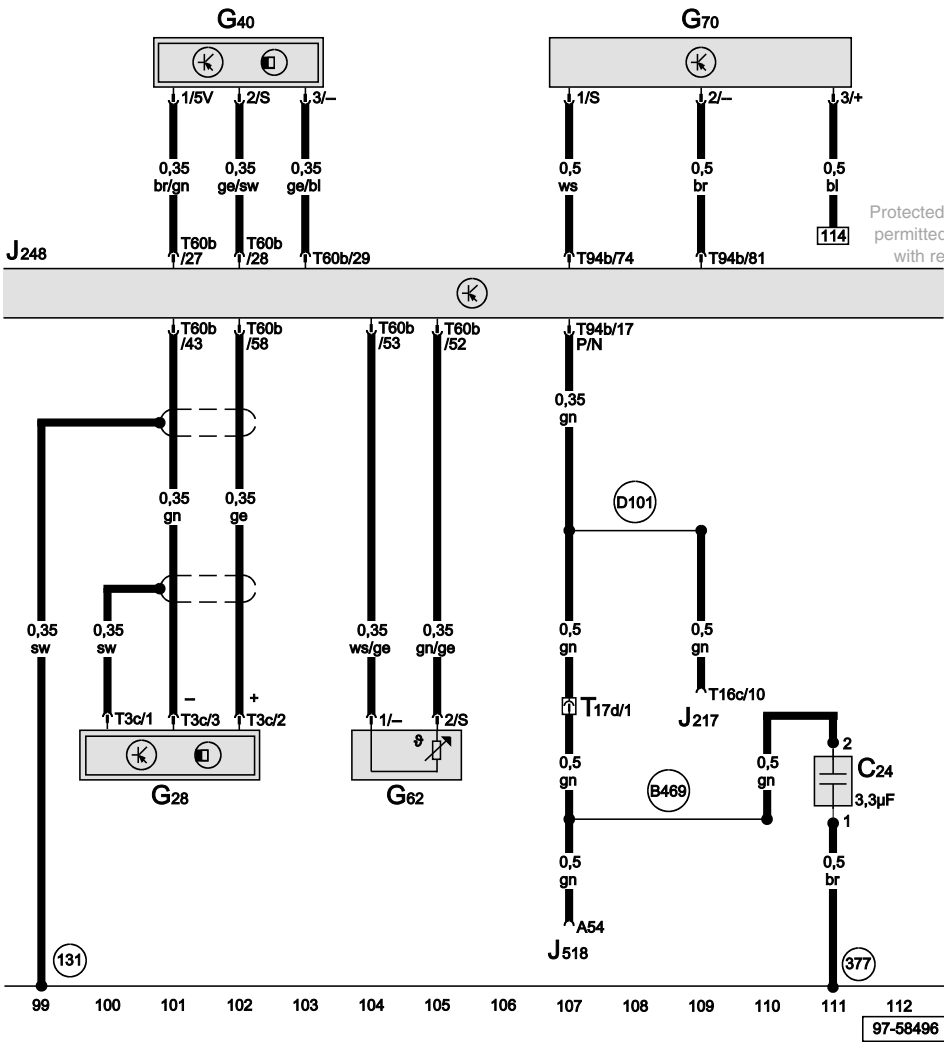


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Diesel direct injection system control unit, Hall sender, air mass meter, engine speed sender, coolant temperature sender, suppression filter

- C24 Suppression filter
- G28 Engine speed sender
- G40 Hall sender
- G62 Coolant temperature sender
- G70 Air mass meter
- J217 Automatic gearbox control unit
- J248 Diesel direct injection system control unit
- J518 Entry and start authorisation control unit
- T3c 3-pin connector, grey, on engine speed sender
- T17d 17-pin connector, blue, in electronics box, plenum chamber

- 131 Earth connection 2, in engine compartment wiring harness
- 377 Earth connection 12, in main wiring harness
- B469 Connection 5, in main wiring harness
- D101 Connection 1, in engine compartment wiring harness



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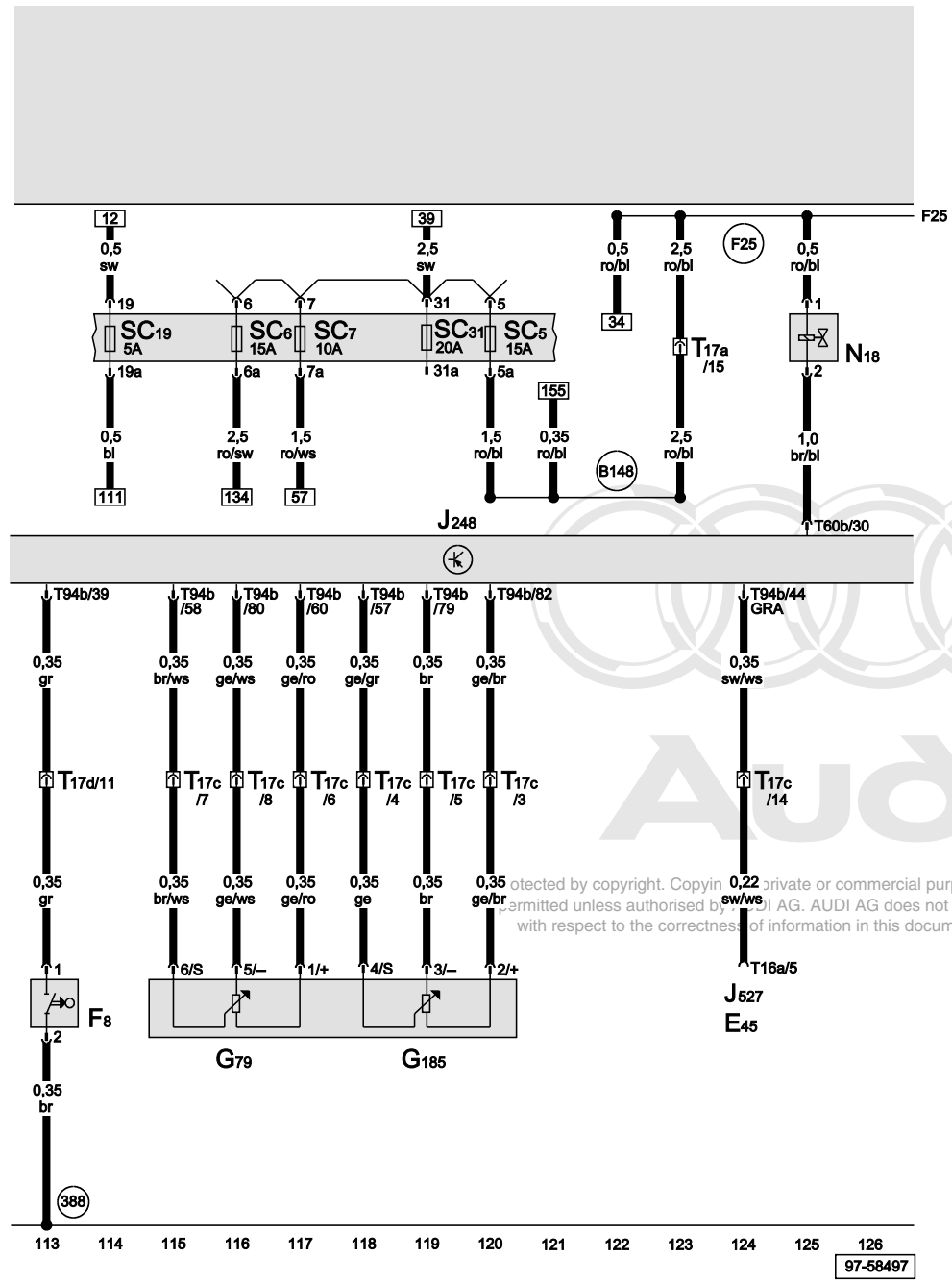
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Diesel direct injection system control unit, exhaust gas recirculation valve, kick-down switch, accelerator pedal position senders, fuses

- E45 Cruise control system switch
- F8 Kick-down switch
- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender 2
- J248 Diesel direct injection system control unit
- J527 Steering column electronics control unit
- N18 Exhaust gas recirculation valve
- SC5 Fuse -5- on fuse box
- SC6 Fuse -6- on fuse box
- SC7 Fuse -7- on fuse box
- SC19 Fuse -19- on fuse box
- SC31 Fuse -31- on fuse box
- T16a 16-pin connector, on steering column electronics control unit
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber
- T17d 17-pin connector, blue, in electronics box, plenum chamber

- 388 Earth connection -23-, in main wiring harness
- B148 Positive (+) connection -3- (87), in interior wiring harness
- F25 Connection -1-, in diesel direct injection system wiring harness

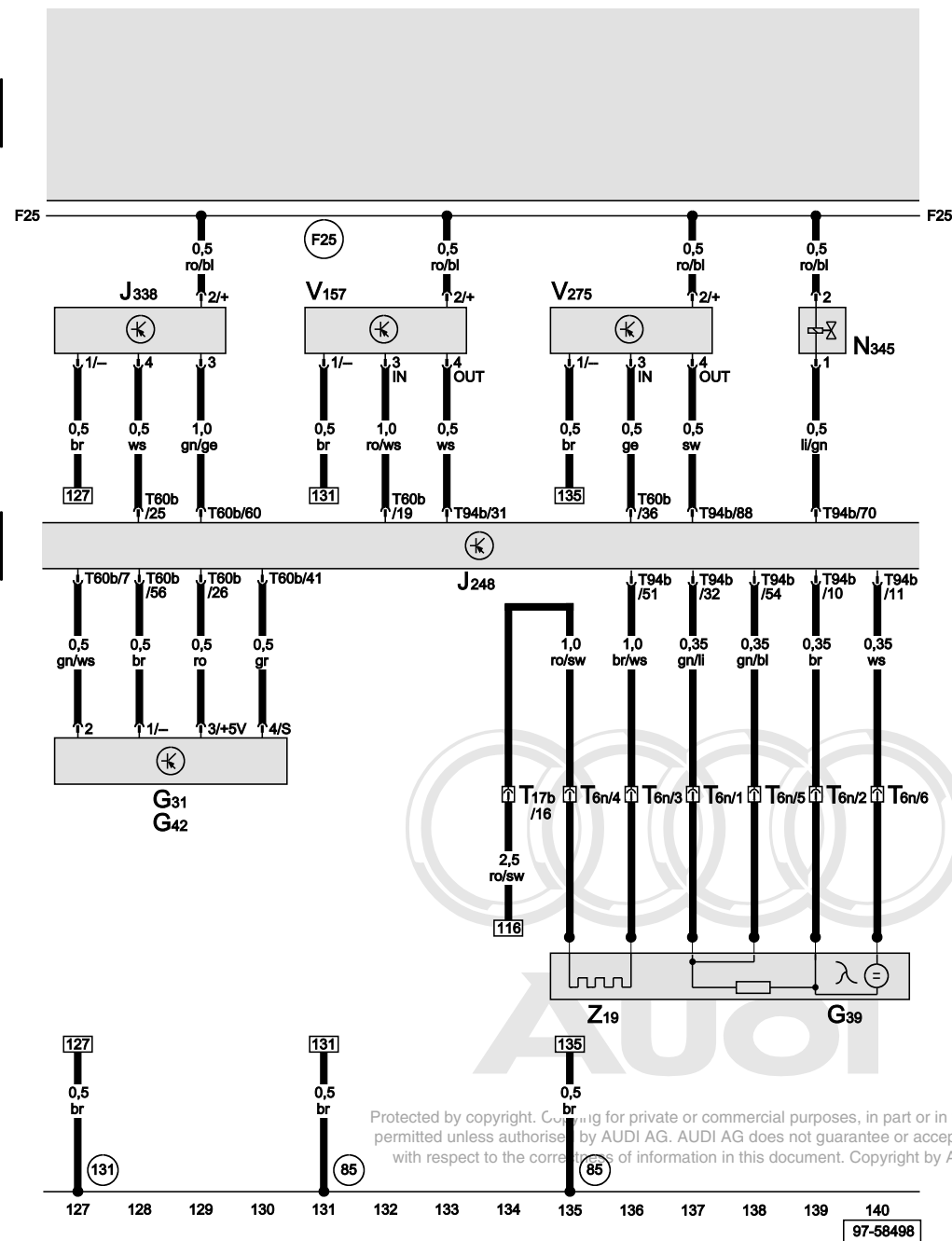
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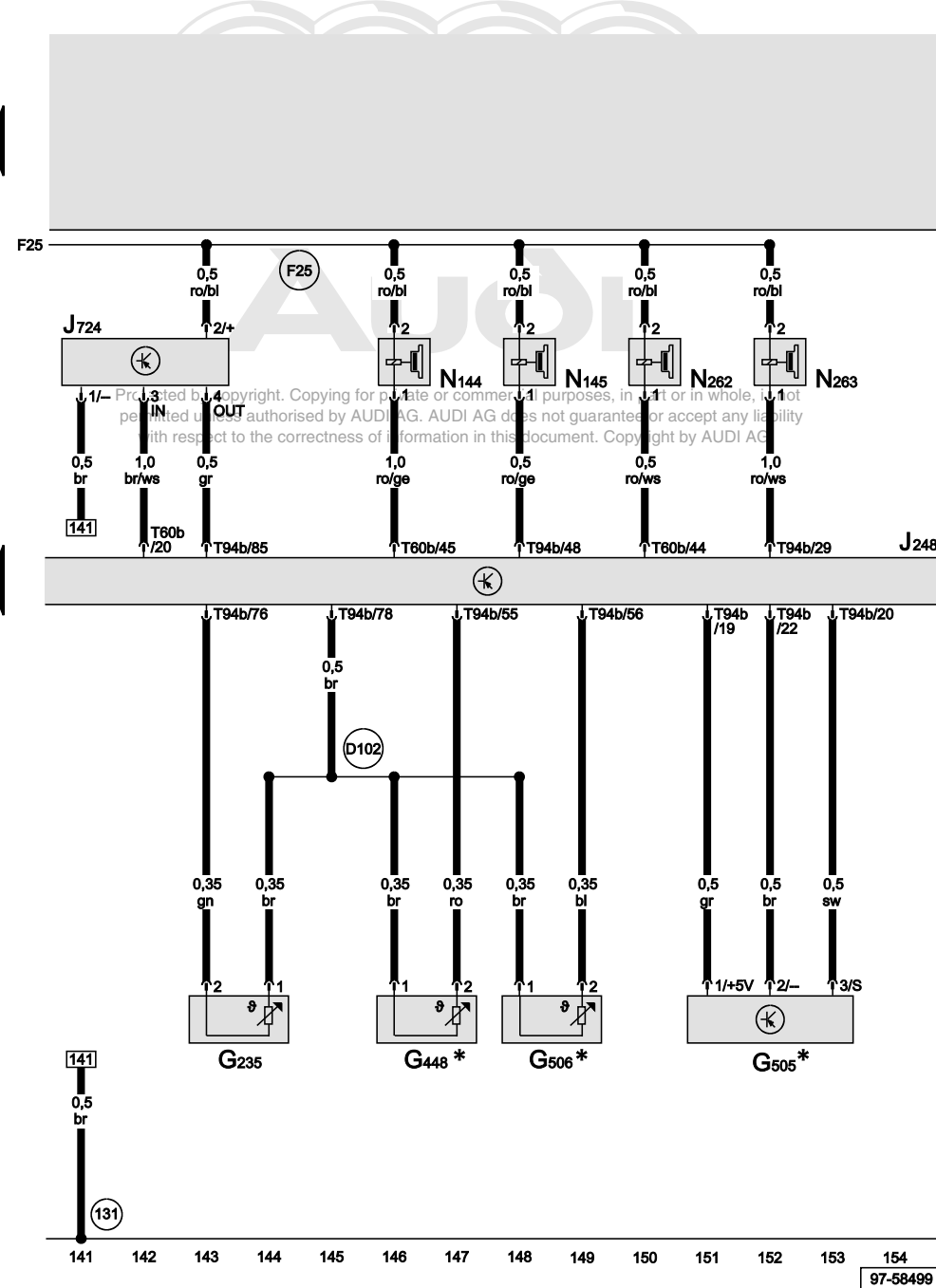
Diesel direct injection system control unit, throttle valve module, intake manifold flap motor, exhaust gas recirculation cooler change-over valve, intake air temperature sender, charge air pressure sender, lambda probe

- G31 Charge air pressure sender
- G39 Lambda probe
- G42 Intake air temperature sender
- J248 Diesel direct injection system control unit
- J338 Throttle valve module
- N345 Exhaust gas recirculation cooler change-over valve
- T6n 6-pin connector, brown, for lambda probe
- T17b 17-pin connector, green, in electronics box, plenum chamber
- V157 Intake manifold flap motor
- V275 Intake manifold flap 2 motor
- Z19 Lambda probe heater

- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- F25 Connection -1-, in diesel direct injection system wiring harness



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Diesel direct injection system control unit, turbocharger 1 control unit, exhaust gas temperature sender, electro-hydraulic engine mounting solenoid valve, gearbox mounting valve, temperature sender before particulate filter, exhaust gas pressure sensor 1

- G235 Exhaust gas temperature sender 1
- G448 Exhaust gas temperature sender 2, bank 1
- G450 Exhaust gas pressure sensor 1
- G506 Temperature sender before particulate filter
- J248 Diesel direct injection system control unit
- J724 Turbocharger 1 control unit
- N144 Electro-hydraulic engine mounting solenoid valve, left
- N145 Electro-hydraulic engine mounting solenoid valve, right
- N262 Gearbox mounting valve 1
- N263 Gearbox mounting valve 2
- 131 Earth connection 2, in engine compartment wiring harness
- D102 Connection 2, in engine compartment wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness
- * With particulate filter

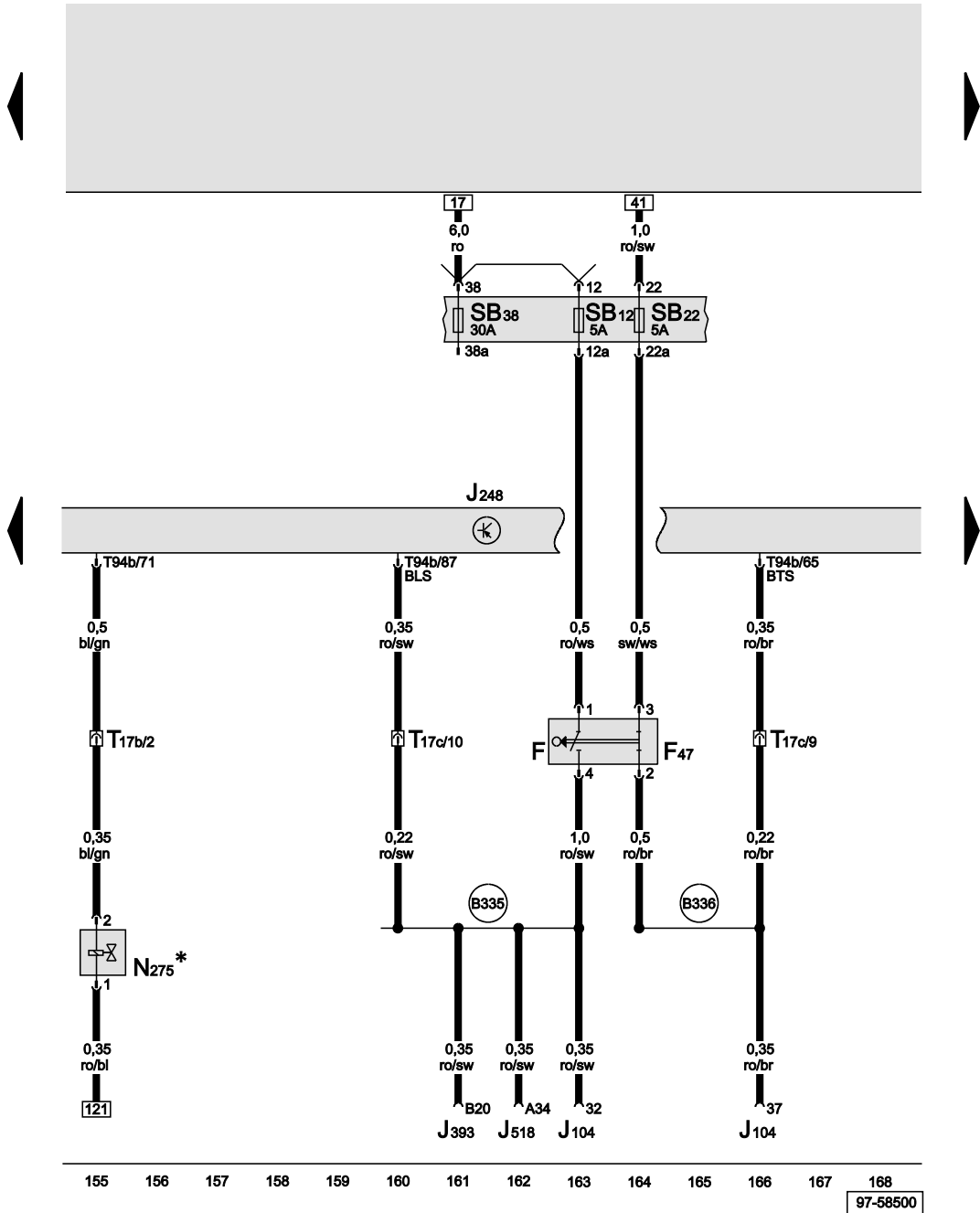
Diesel direct injection system control unit, brake light switch, air filter bypass flap valve

- F Brake light switch
- F47 Brake pedal switch
- J104 ABS control unit
- J248 Diesel direct injection system control unit
- J393 Convenience system central control unit
- J518 Entry and start authorisation control unit
- N275 Air filter bypass flap valve
- SB12 Fuse 12 on fuse box
- SB22 Fuse 22 on fuse box
- SB38 Fuse 38 on fuse box
- T17b 17-pin connector, green, in electronics box, plenum chamber
- T17c 17-pin connector, brown, in electronics box, plenum chamber

B335 Connection 1 (54), in main wiring harness

B336 Connection 2 (54), in main wiring harness

* Only applies to countries with cold climate



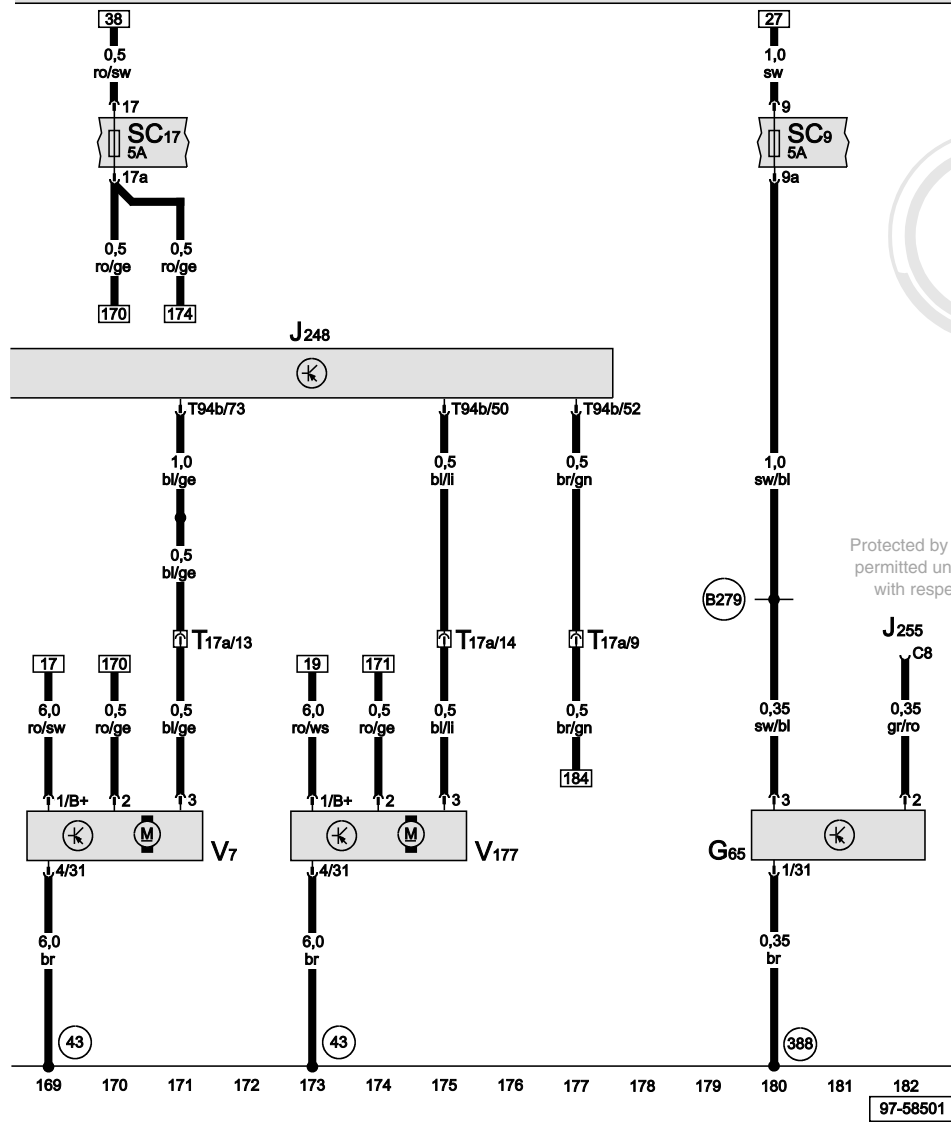
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Diesel direct injection system control unit, radiator fan, high pressure sender

- G65 High pressure sender
- J248 Diesel direct injection system control unit
- J255 Climatronic control unit
- SC9 Fuse -9- on fuse box
- SC17 Fuse -17- on fuse box
- T17a 17-pin connector, black, in electronics box, plenum chamber
- V7 Radiator fan
- V177 Radiator fan 2

- 43 Earth point, lower part of right A pillar
- 388 Earth connection -23-, in main wiring harness
- B279 Positive (+) connection -3- (15a), in main wiring harness



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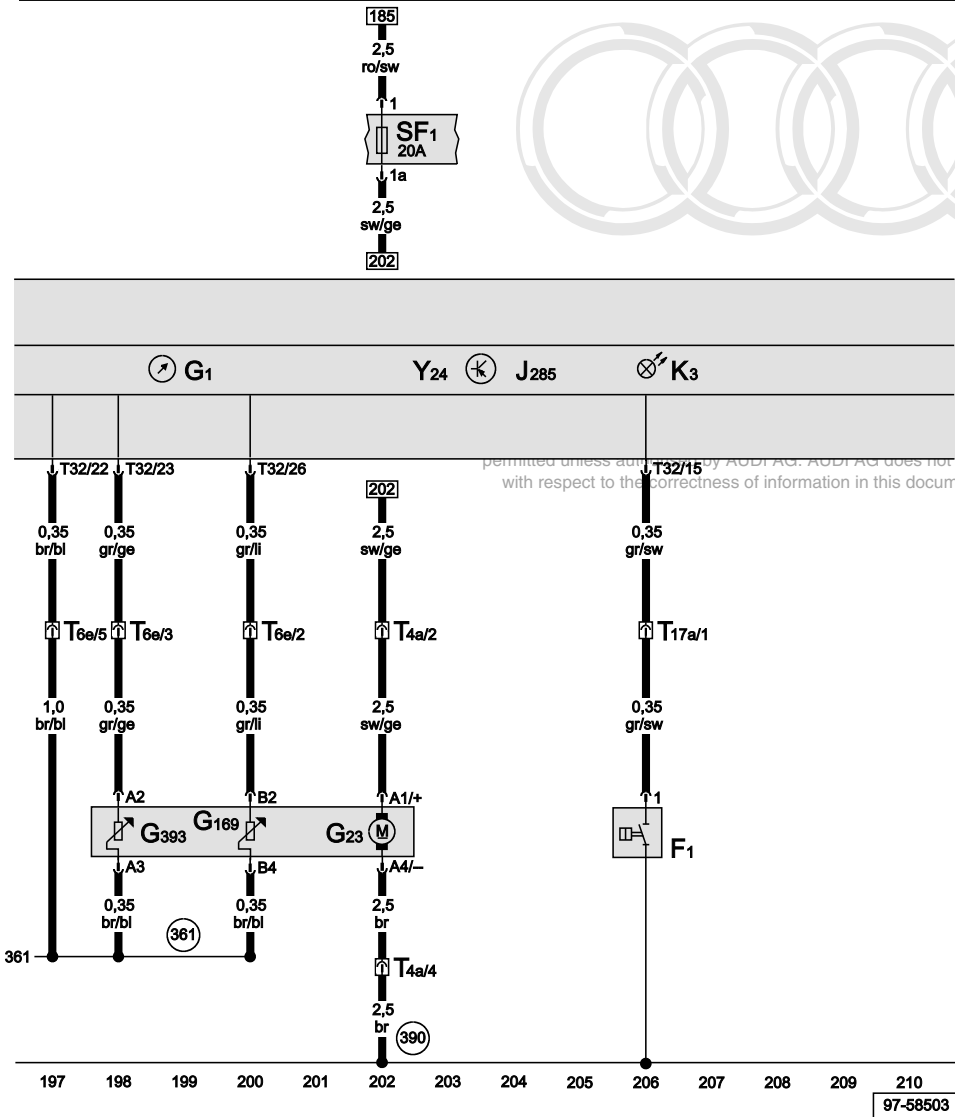
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness
- 675 Earth point 2, in luggage compartment, right
- B299 Positive (+) connection 3 (30), in main wiring harness



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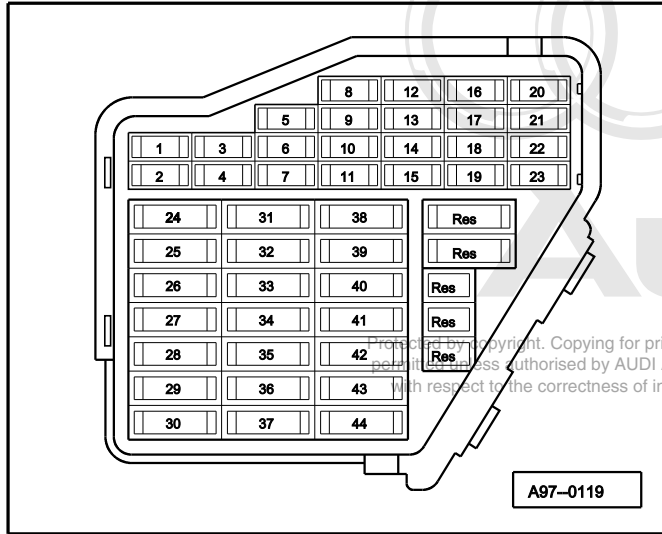
Control unit with display in dash panel insert, fuel gauge, fuel pump, fuel gauge senders, oil pressure warning lamp, oil pressure switch

- F1 Oil pressure switch
- G1 Fuel gauge
- G23 Fuel pump
- G169 Fuel gauge sender 2
- G393 Fuel gauge sender 4
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- SF1 Fuse 1 on fuse box
- T4a 4-pin connector, under cover, right, on vehicle floor
- T6e 6-pin connector, under cover, right, on vehicle floor
- T17a 17-pin connector, black, in electronics box, plenum chamber
- T32 32-pin connector, blue, on dash panel insert
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness



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Fuse holder, left dash panel



Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

1 A - black

SB - Fuses in fuse holder left dash panel

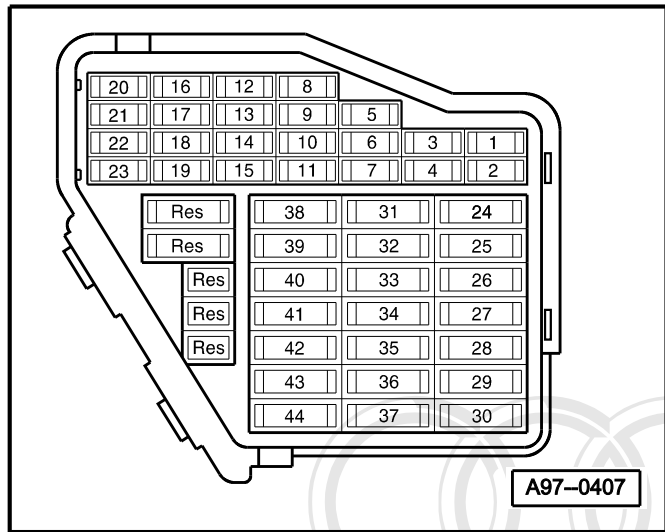
SC - Fuses in fuse holder right dash panel

SD - Fuses in fuse holder left in luggage compartment

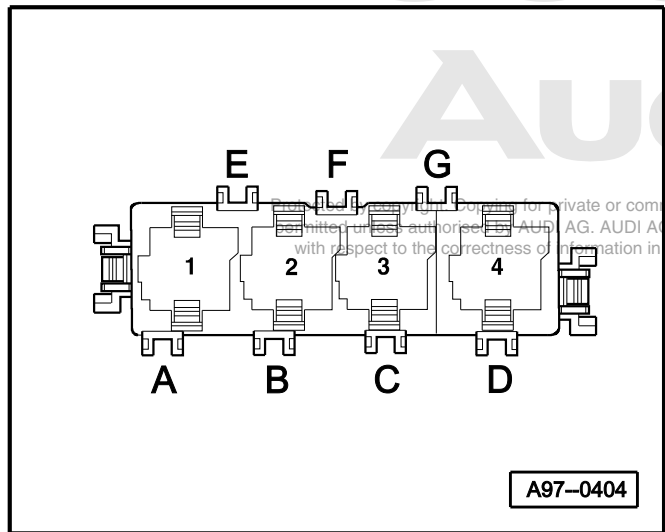
SF - Fuses in fuse holder right in luggage compartment

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Fuse holder right dash panel



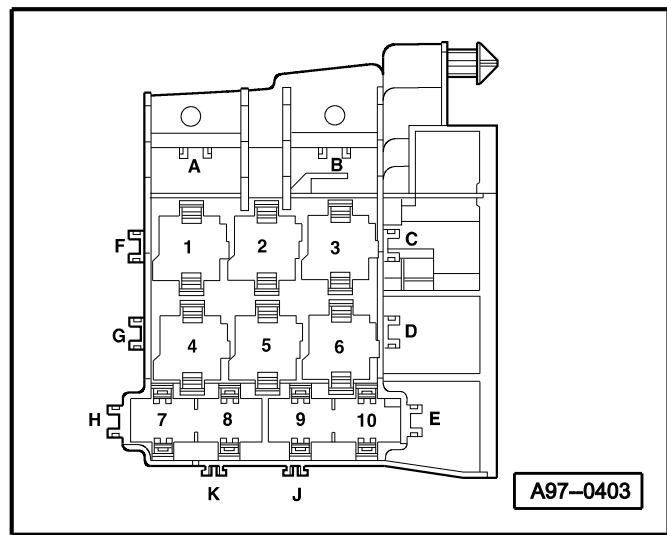
Relay carrier electronics box in plenum chamber



Relay positions

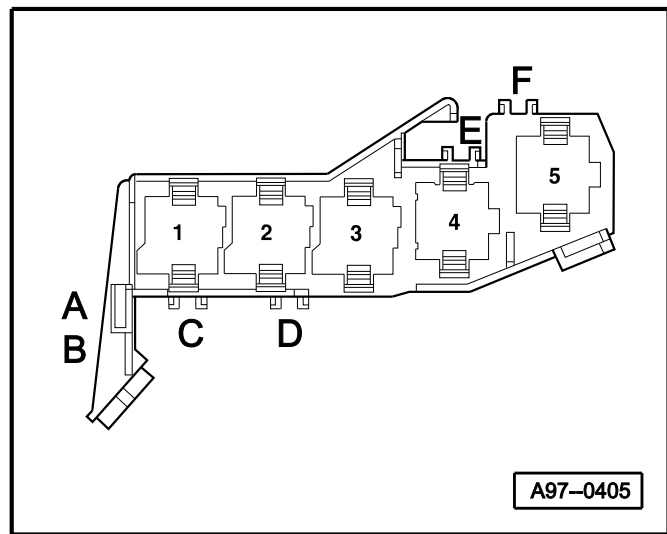
- 1 - Secondary air pump relay (J299)
- 2 - Motronic current supply relay (J271)

B - Secondary air pump fuse (S130)
Relay and fuse carrier behind left dash panel



Relay positions

3 - Terminal 15 voltage supply relay (J329)
relay carrier front passenger footwell

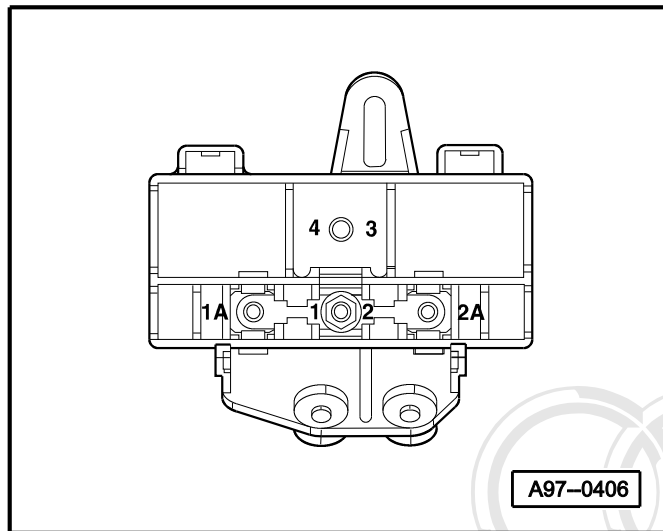


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Relay positions

- 1.1 - Brake servo relay (J569)
- 1.2 - Continued coolant circulation relay (J151)
- 2 - Starter motor relay (J53)
- 3 - Starter motor relay 2 (J695)
- 4 - Fuel pump relay (J17)

Assignment main fuse carrier right A-pillar

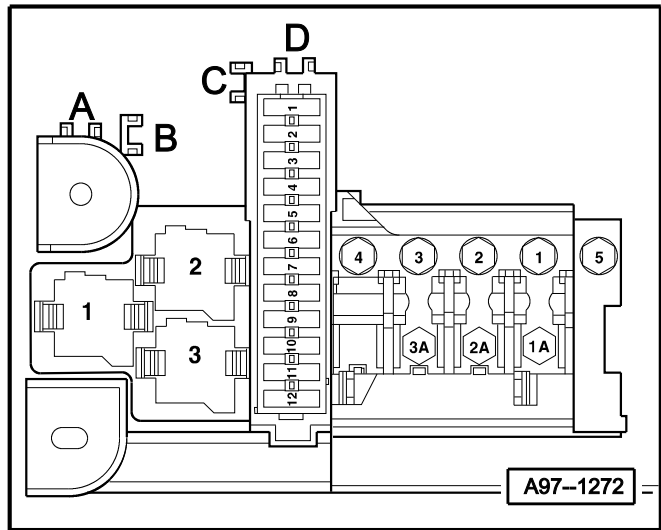


Fuse locations

- 1 - Radiator fan single fuse (S42, 60 A)
- 1A - Radiator fan screw point 1
- 2 - Radiator fan fuse for 2nd speed (S104, 60 A)
- 2A - Radiator fan screw point 2
- 3 - Terminal 30 screw point (battery)
- 4 - Terminal 30 screw point (starter)

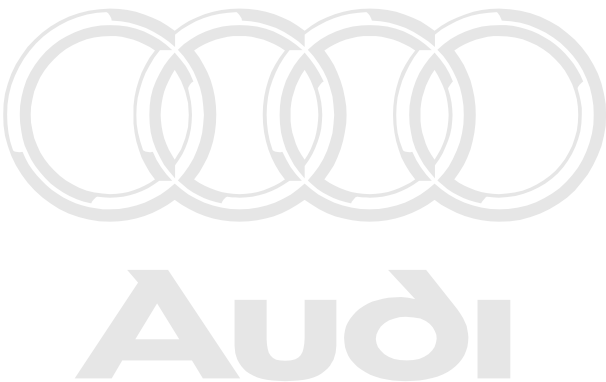
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Relay and fuse carrier right in luggage compartment

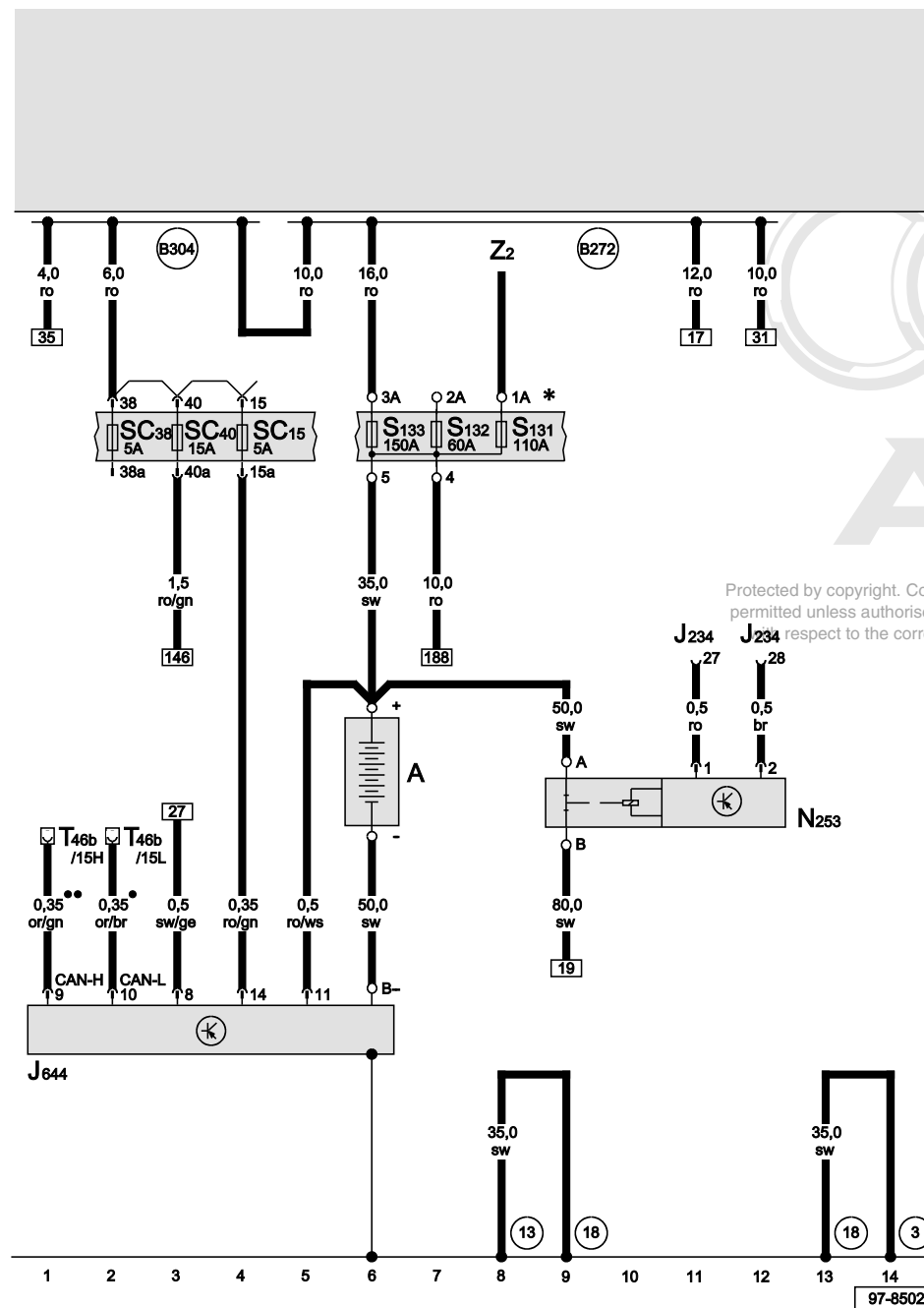


Relay positions

3 - Electric fuel pump 2 relay (J49)



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Battery, energy management control unit, battery isolation igniter

- A Battery
- J234 Airbag control unit
- J644 Energy management control unit
- N253 Battery isolation igniter
- Fuse 1, 110 A, in luggage compartment, rear right
- Fuse 2, 60 A, in luggage compartment, rear right
- Fuse 3, 150 A, in luggage compartment, rear right
- Fuse 15 on fuse holder
- Fuse 38 on fuse holder
- Fuse 40 on fuse holder
- 46-pin connector, black, CAN separating connector right
- Heated windscreen
- 3 Earth strap, engine - body
- 13 Earth point, on right in engine compartment
- 18 Earth point on engine block
- B272 Positive connection (30), in main wiring harness
- B304 Positive connection 8 (30), in main wiring harness
- CAN bus (data wire)
- * In luggage compartment, rear right

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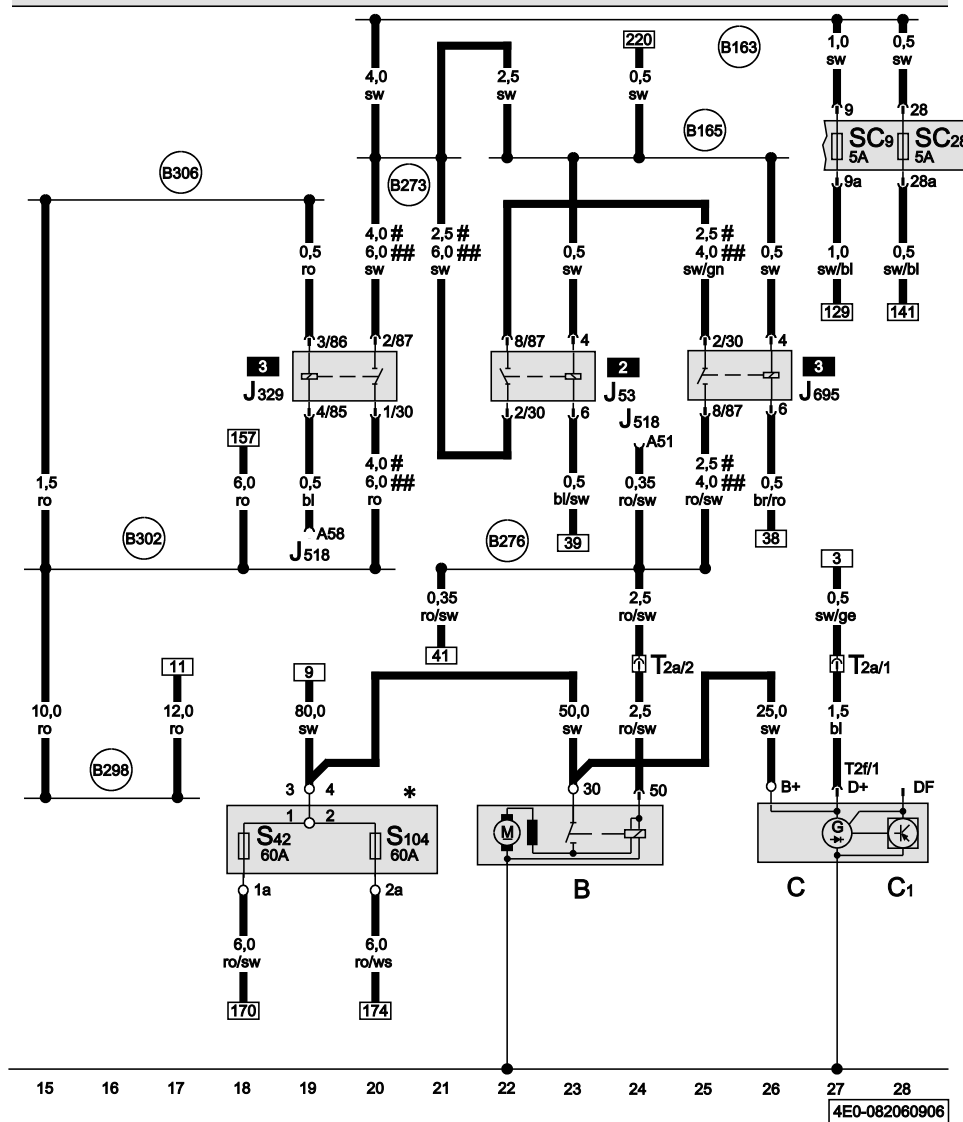
Starter, alternator, terminal 15 voltage supply relay, starter motor relay

- B Starter
- C Alternator
- C1 Voltage regulator
- J53 Starter motor relay
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J695 Starter motor relay 2
- S42 Radiator fan single fuse
- S104 Radiator fan fuse for 2nd speed
- SC9 Fuse 9 on fuse holder
- SC28 Fuse 28 on fuse holder
- T2a 2-pin connector, black, in front right engine compartment
- T2f 2-pin connector, black, on alternator

- B163 Positive connection 1 (15), in interior wiring harness
- B165 Positive connection 2 (15), in interior wiring harness
- B273 Positive connection (15), in main wiring harness
- B276 Positive connection (50), in main wiring harness
- B298 Positive connection 2 (30), in main wiring harness
- B302 Positive connection 6 (30), in main wiring harness
- B306 Positive connection 10 (30), in main wiring harness

- * Main fuse carrier right A-pillar
- # up to April 2006
- ## from May 2006

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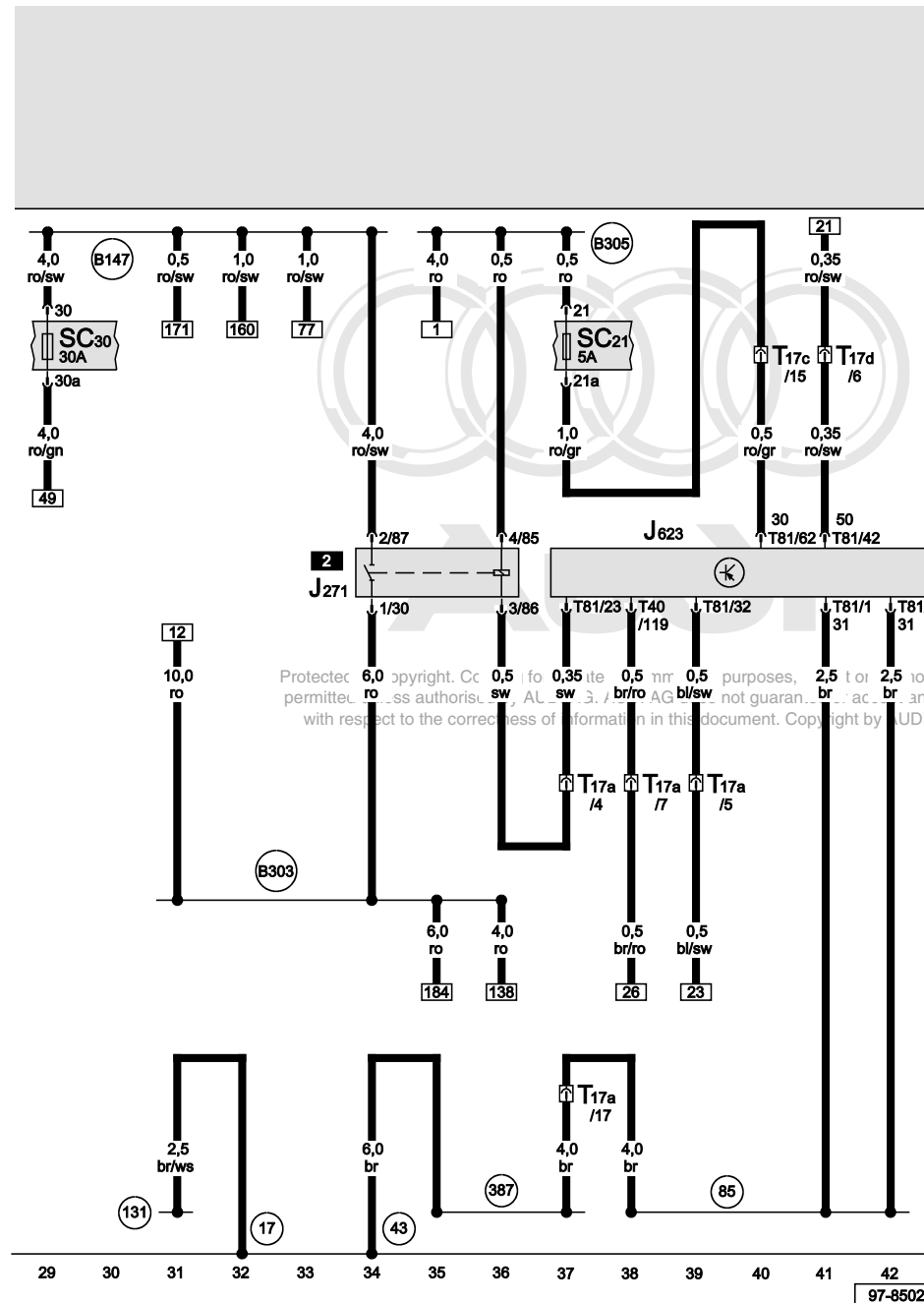


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Engine control unit, Motronic current supply relay

- J271 Motronic current supply relay
- J623 Engine control unit
- SC21 Fuse 21 on fuse holder
- SC30 Fuse 30 on fuse holder
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T81 81-pin connector, black, on engine control unit

- 17 Earth point, on intake manifold
- 43 Earth point, lower part of right A-pillar
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 387 Earth connection 22, in main wiring harness
- B147 Positive connection 2 (87), in interior wiring harness
- B303 Positive connection 7 (30), in main wiring harness
- B305 Positive connection 9 (30), in main wiring harness



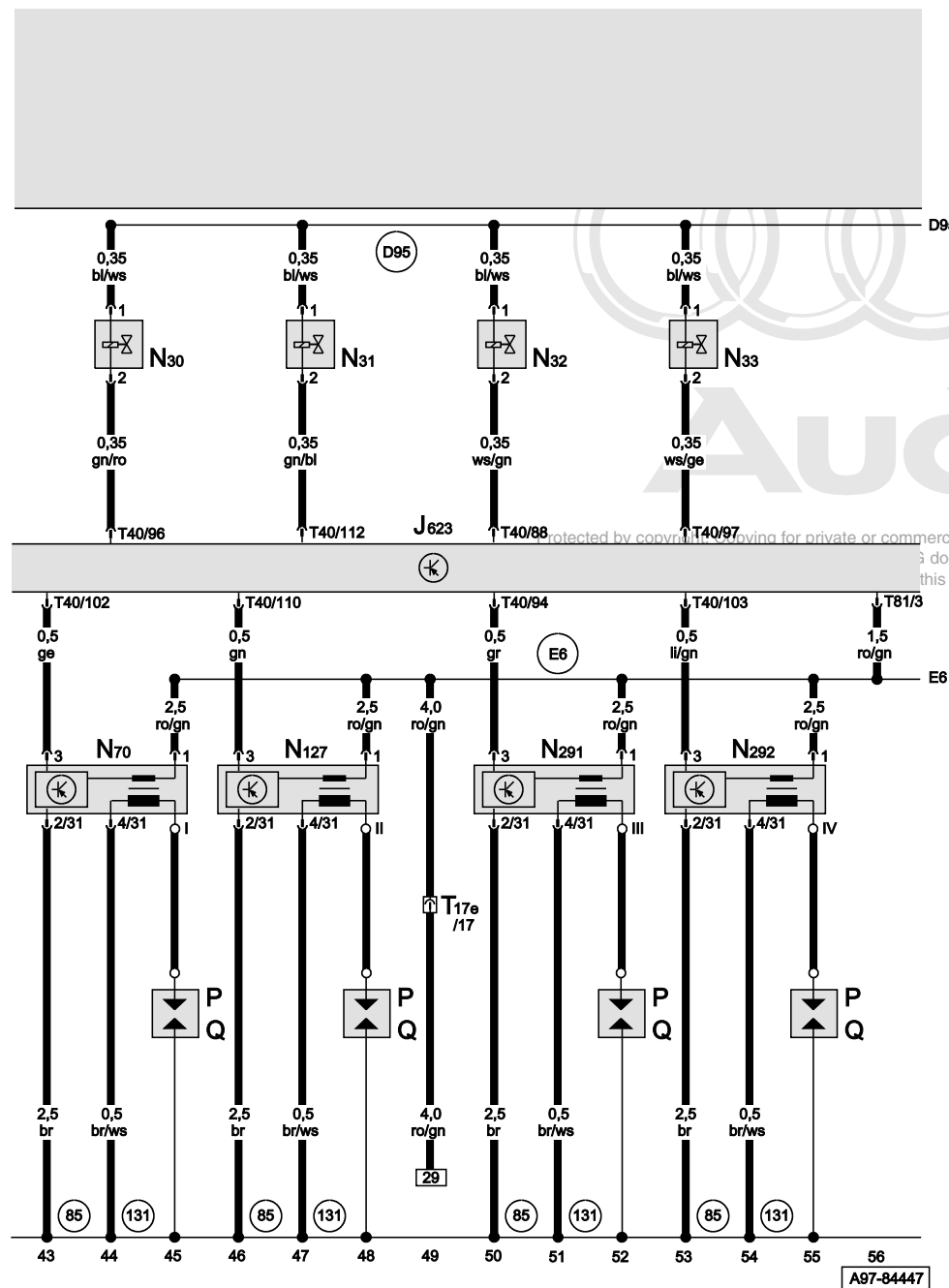
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Engine control unit, injector, cylinder 1 - 4, ignition coil 1 - 4 with output stage

J623 Engine control unit
 N30 Injector, cylinder 1
 N31 Injector, cylinder 2
 N32 Injector, cylinder 3
 N33 Injector, cylinder 4
 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, red, in electronics box in plenum chamber
 T40 40-pin connector, black, on engine control unit
 T81 81-pin connector, black, on engine control unit

85 Earth connection 1, in engine compartment wiring harness
 131 Earth connection 2, in engine compartment wiring harness
 D95 Connection (injectors), in engine compartment wiring harness
 E6 Positive connection 1 (15), in Motronic wiring harness

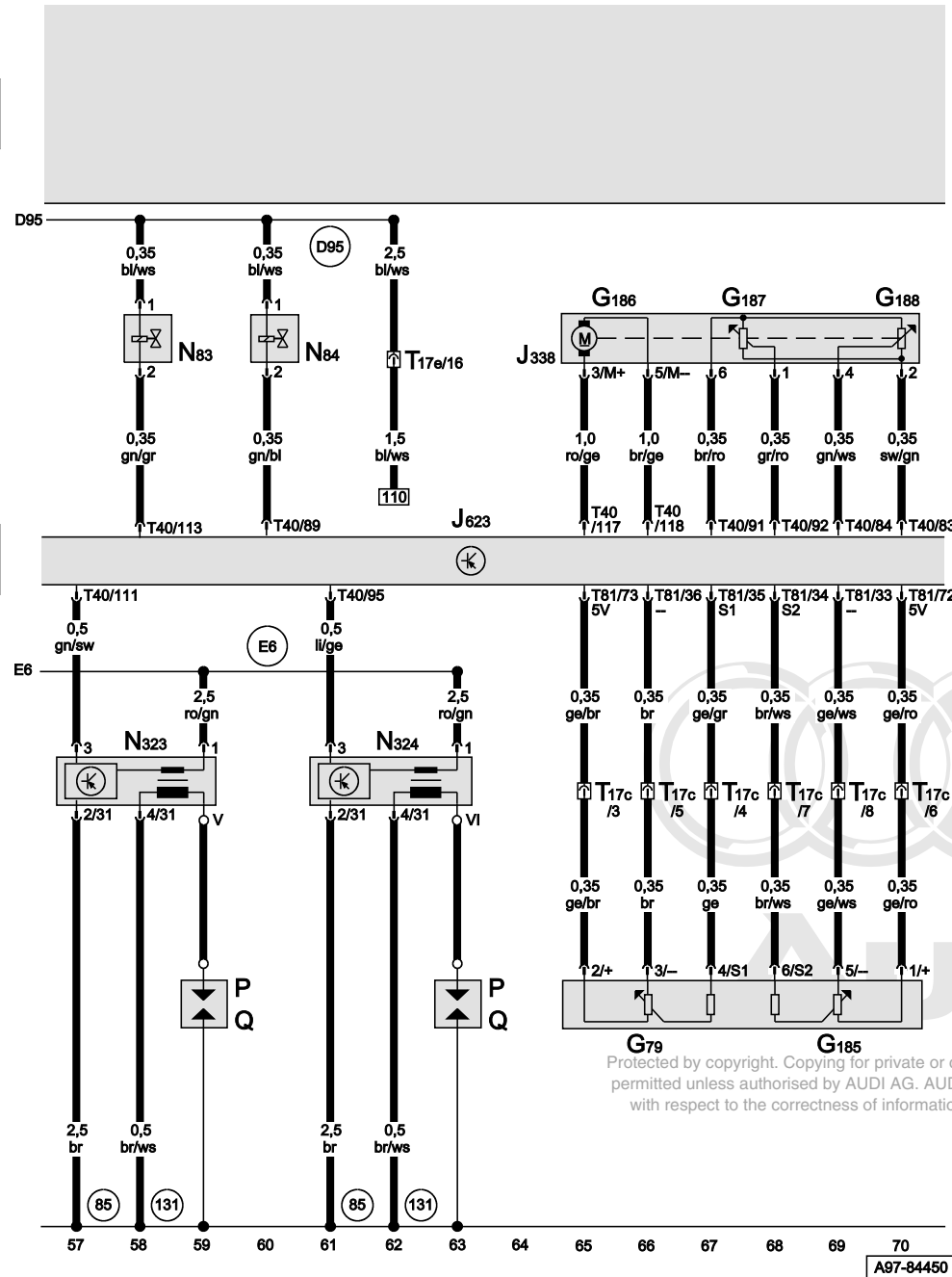
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Engine control unit, injector, cylinder 5 and 6, ignition coil 5 and 6 with output stage, throttle valve module, accelerator position sender

- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive (electric power control)
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N83 Injector, cylinder 5
- N84 Injector, cylinder 6
- N323 Ignition coil 5 with output stage
- N324 Ignition coil 6 with output stage
- P Spark plug connector
- Q Spark plugs
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T81 81-pin connector, black, on engine control unit

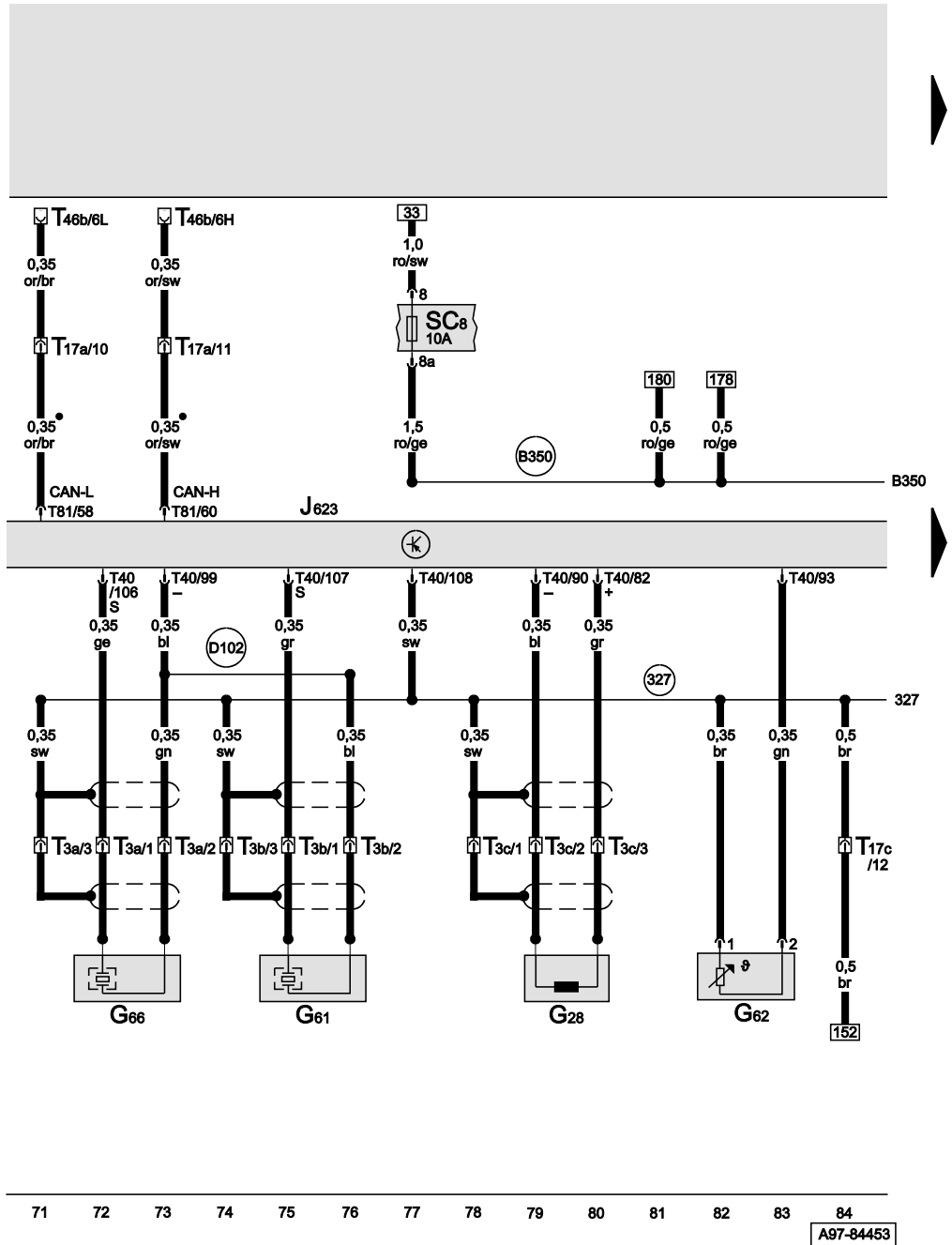
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- E6 Positive connection 1 (15), in Motronic wiring harness



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Engine control unit, knock sensor 1, knock sensor 2, engine speed sender

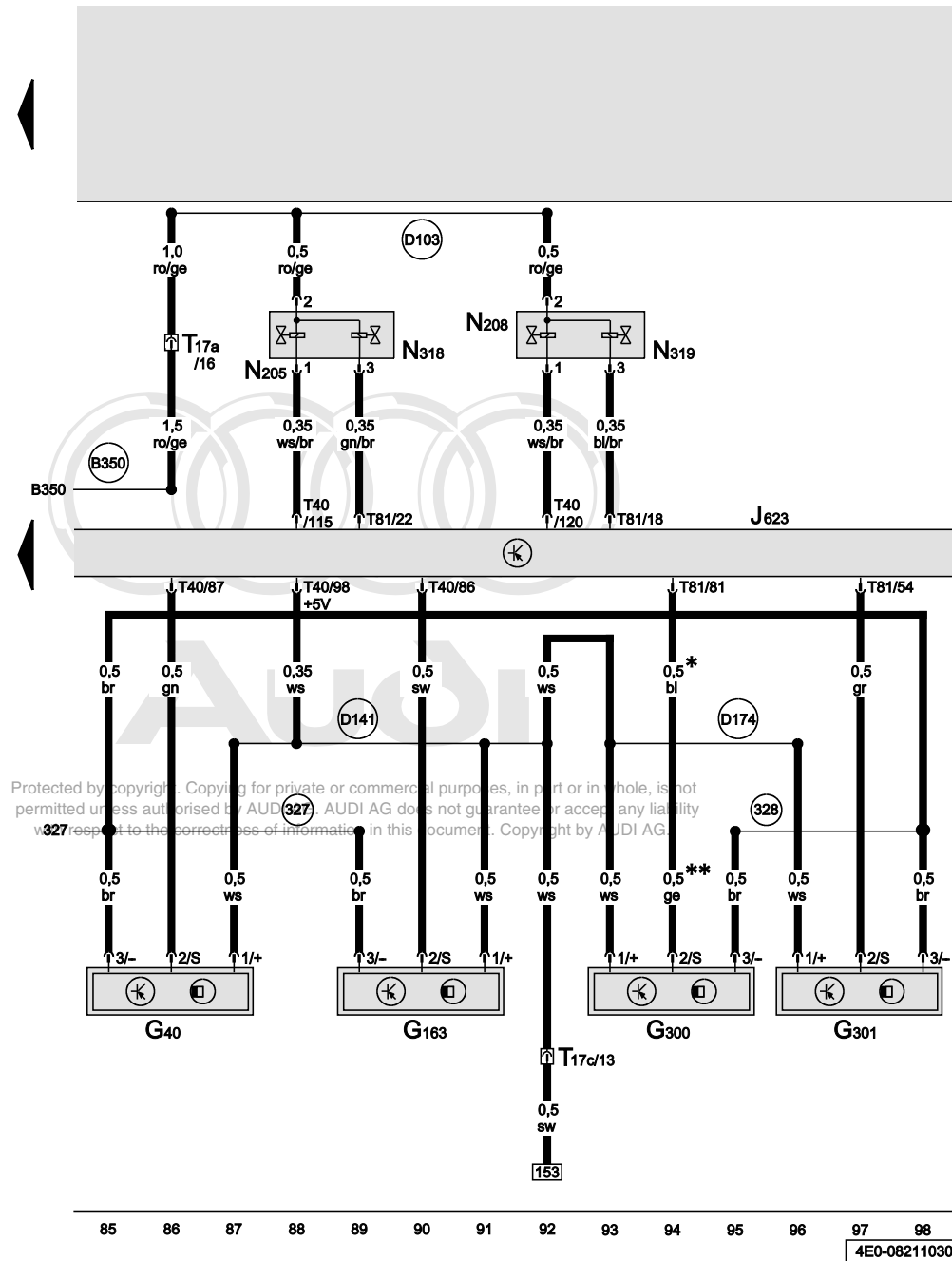
- G28 Engine speed sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G66 Knock sensor 2
- J623 Engine control unit
- SC8 Fuse 8 on fuse holder
- T3a 3-pin connector, blue, on knock sensor 2
- T3b 3-pin connector, blue, on knock sensor 1
- T3c 3-pin connector, grey, on engine speed sender
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T46b 46-pin connector, black, CAN bus separating connector right
- T81 81-pin connector, black, on engine control unit
- 327 Earth connection (sender earth), in engine compartment wiring harness
- B350 Positive connection 1 (87a), in main wiring harness
- D102 Connection 2, in engine compartment wiring harness
- CAN bus (data wire)



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Engine control unit, Hall sender, inlet camshaft control valve



- G40 Hall sender
- G163 Hall sender 2
- G300 Hall sender 3
- G301 Hall sender 4
- J623 Engine control unit
- N205 Inlet camshaft control valve 1
- N208 Inlet camshaft control valve 2
- N318 Exhaust camshaft control valve 1
- N319 Exhaust camshaft control valve 2
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T81 81-pin connector, black, on engine control unit

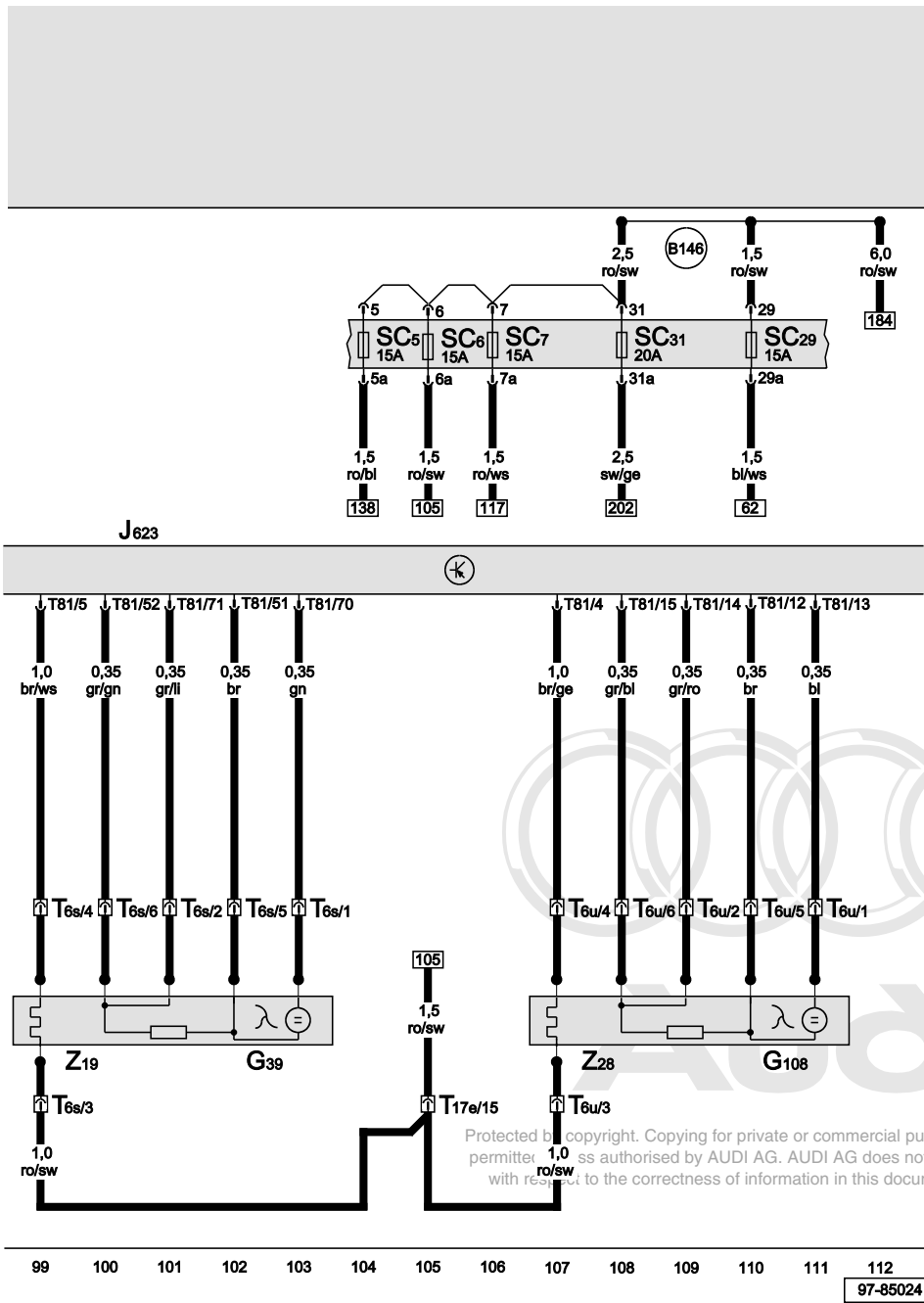
- 327 Earth connection (sender earth), in engine compartment wiring harness
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- B350 Positive connection 1 (87a), in main wiring harness
- D103 Connection 3, in engine compartment wiring harness
- D141 Connection (5V), in engine wiring harness
- D174 Connection 2 (5V), in engine wiring harness
- * up to October 2005
- ** from November 2005

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Engine control unit, lambda probe, lambda probe 2

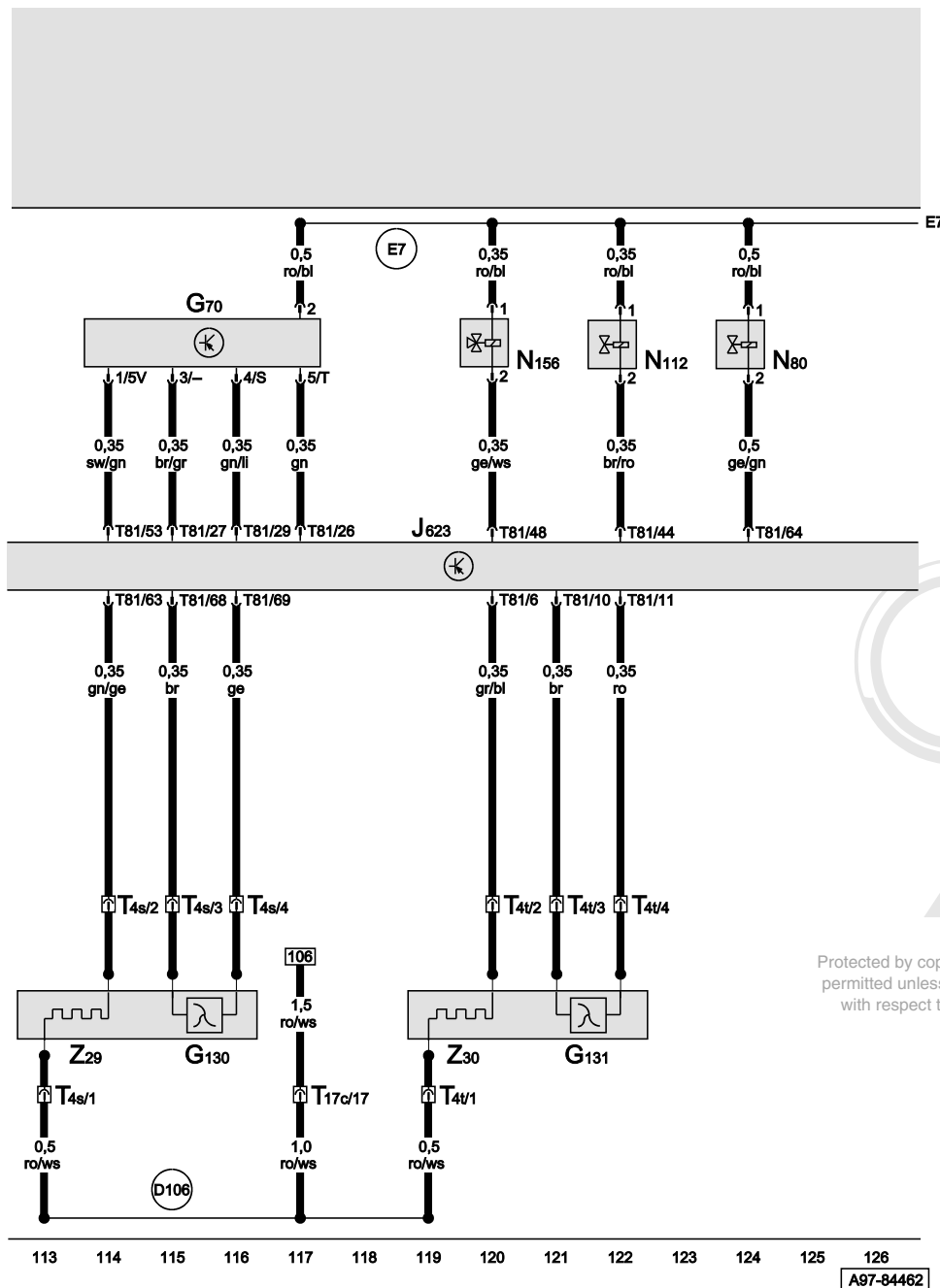
- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- SC5 Fuse 5 on fuse holder
- SC6 Fuse 6 on fuse holder
- SC7 Fuse 7 on fuse holder
- SC29 Fuse 29 on fuse holder
- SC31 Fuse 31 on fuse holder
- T6s 6-pin connector, black, for lambda probe
- T6u 6-pin connector, brown, for lambda probe 2
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T81 81-pin connector, black, on engine control unit
- Z19 Lambda probe heater
- Z28 Lambda probe 2 heater

B146 Positive connection 1 (87), in interior wiring harness



Engine control unit, lambda probe after catalytic converter, air mass meter, variable intake manifold change-over valve, secondary air inlet valve, active charcoal filter system solenoid valve 1

- G70 Air mass meter
- G130 Lambda probe after catalytic converter
- G131 Lambda probe 2 after catalytic converter
- J623 Engine control unit
- N80 Activated charcoal filter system solenoid valve 1
- N112 Secondary air inlet valve
- N156 Variable intake manifold change-over valve
- T4s 4-pin connector, green, for lambda probe 1 after catalytic converter
- T4t 4-pin connector, brown, for lambda probe 2 after catalytic converter
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T81 81-pin connector, black, on engine control unit
- Z29 Lambda probe 1 heater after catalytic converter
- Z30 Lambda probe 2 heater after catalytic converter
- D106 Connection 4, in engine compartment wiring harness
- E7 Connection (87a), in Motronic wiring harness



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

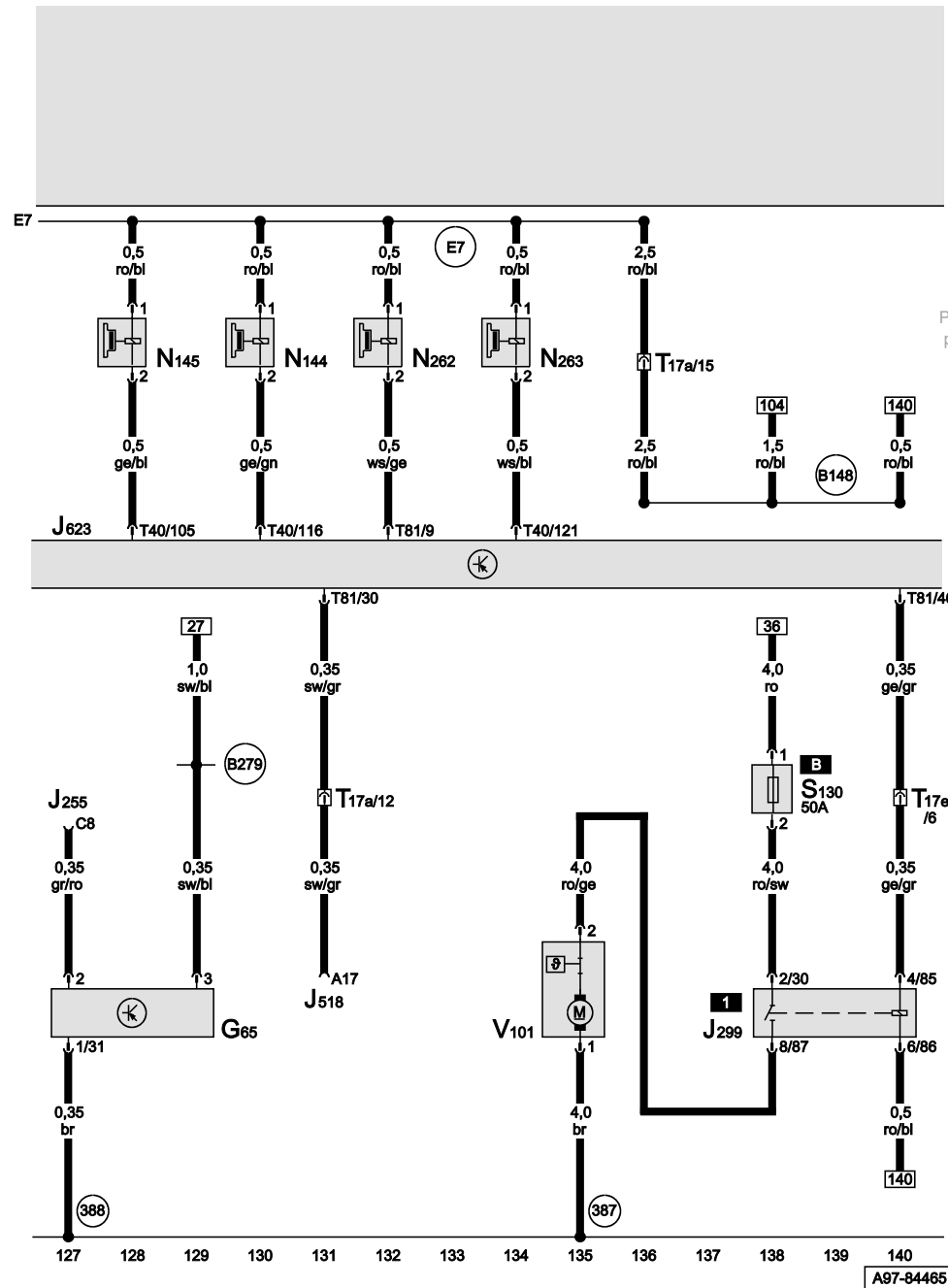
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Engine control unit, electro-hydraulic engine mounting solenoid valve, gearbox mounting valve, secondary air pump motor, secondary air pump relay, high pressure sender

- G65 High pressure sender
- J255 Climatronic control unit
- J299 Secondary air pump relay
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- N144 Left electrohydraulic engine mounting solenoid valve
- N145 Right electrohydraulic engine mounting solenoid valve
- N262 Gearbox mounting valve 1
- N263 Gearbox mounting valve 2
- S130 Secondary air pump fuse
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T81 81-pin connector, black, on engine control unit
- V101 Secondary air pump motor

- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B148 Positive connection 3 (87), in interior wiring harness
- B279 Positive connection 3 (15a), in main wiring harness
- E7 Connection (87a), in Motronic wiring harness

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- 44 Earth point, lower part of left A-pillar
- 375 Earth connection 10, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B281 Positive connection 5 (15a), in main wiring harness
- D166 Connection (K-diagnosis wiring), in engine compartment wiring harness
- E26 Connection selector lever lock, in Motronic wiring harness

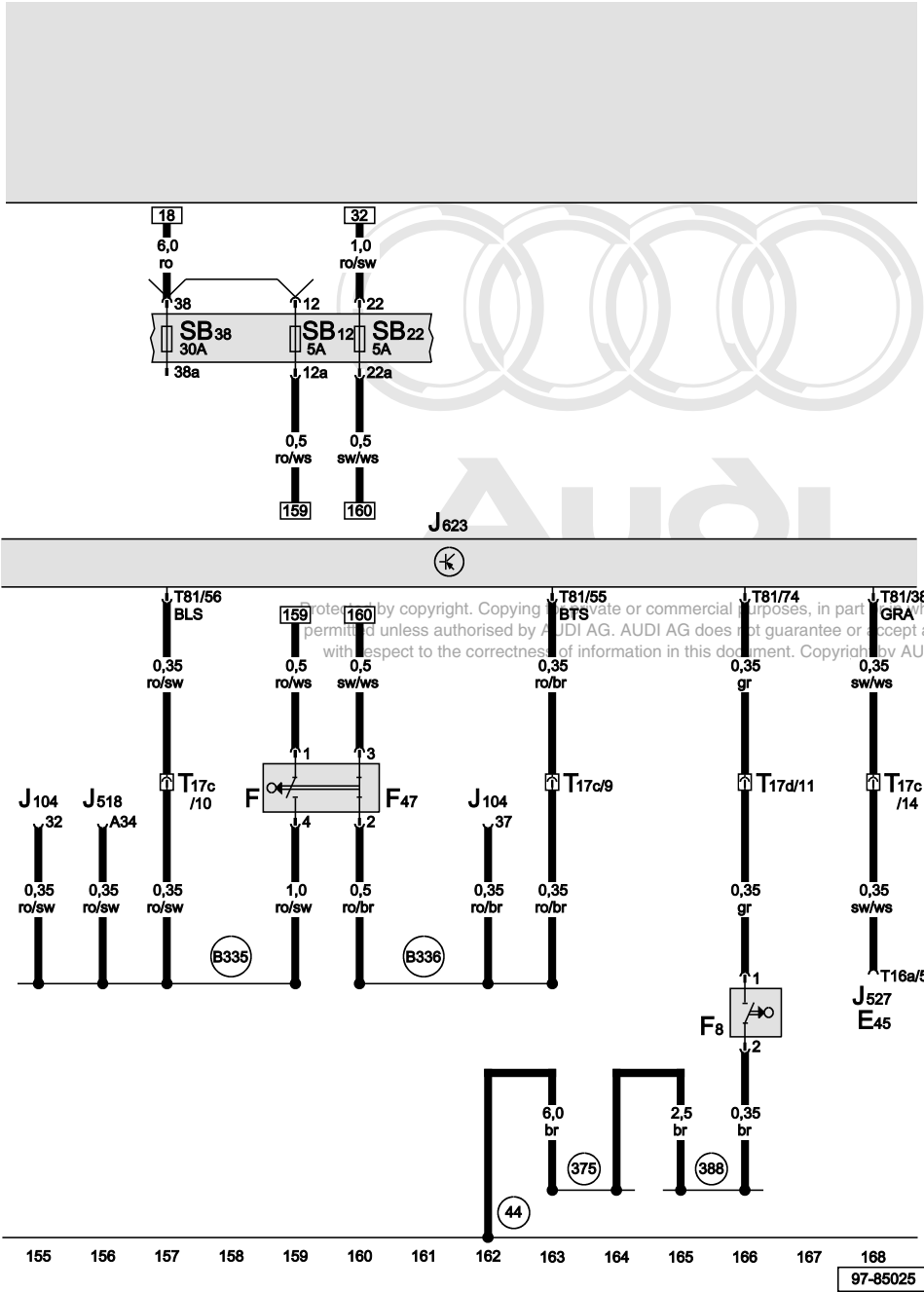
cardiagn.com

Engine control unit, brake light switch, kick-down switch, brake pedal switch, cruise control system switch

- E45 Cruise control system switch
- F Brake light switch
- F8 Kick-down switch
- F47 Brake pedal switch
- J104 ABS control unit
- J518 Entry and start authorisation control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- SB12 Fuse 12 on fuse holder
- SB22 Fuse 22 on fuse holder
- SB38 Fuse 38 on fuse holder
- T16a 16-pin connector, on steering column electronics control unit
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T81 81-pin connector, black, on engine control unit

- 44 Earth point, lower part of left A-pillar
- 375 Earth connection 10, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B335 Connection 1 (54), in main wiring harness
- B336 Connection 2 (54), in main wiring harness

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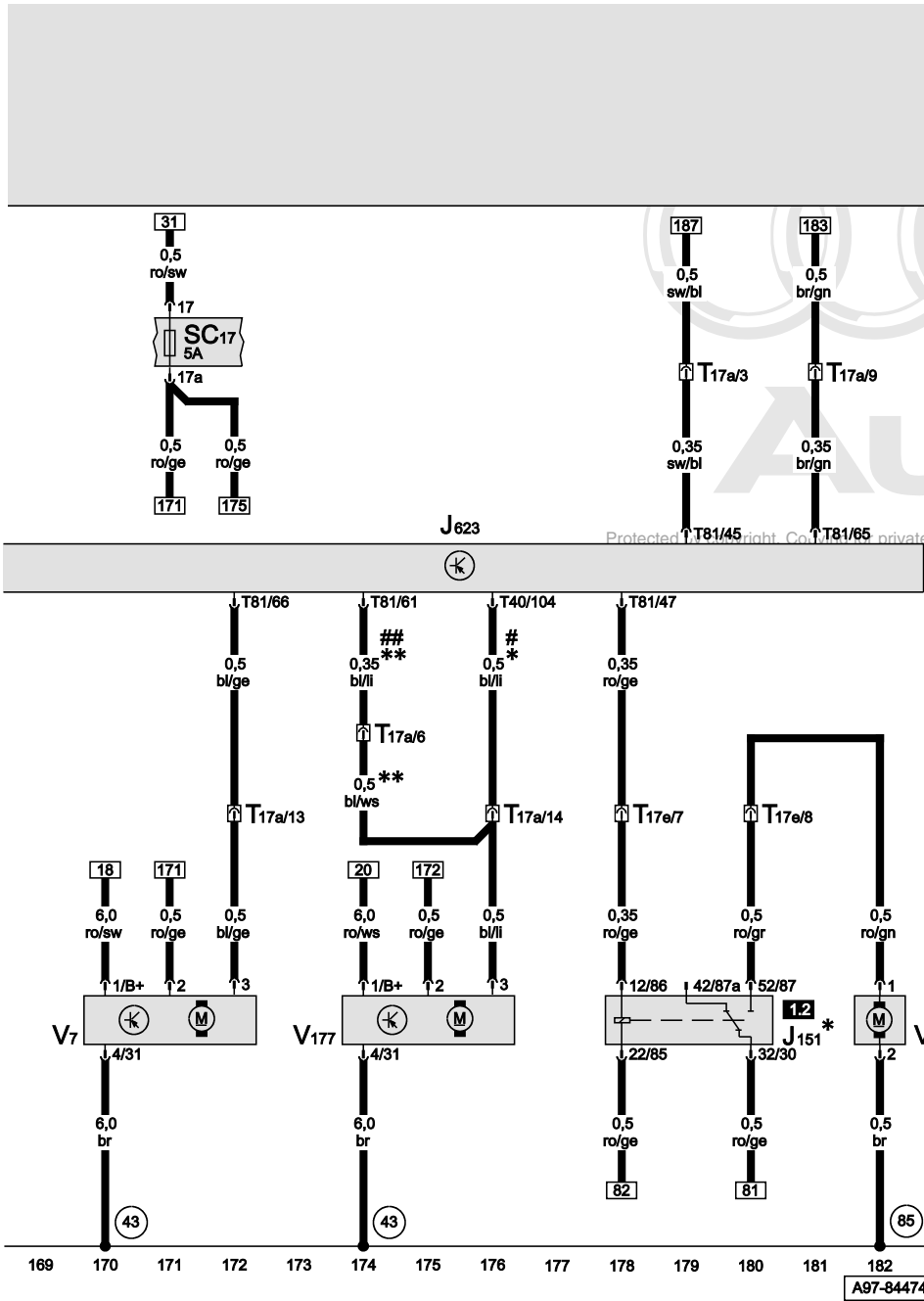


Engine control unit, radiator fan, radiator fan 2, continued coolant circulation relay, continued coolant circulation pump

- J151 Continued coolant circulation relay
- J623 Engine control unit
- SC17 Fuse 17 on fuse holder
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T40 40-pin connector, black, on engine control unit
- T81 81-pin connector, black, on engine control unit
- V7 Radiator fan
- V51 Continued coolant circulation pump
- V177 Radiator fan 2

- 43 Earth point, lower part of right A-pillar
- 85 Earth connection 1, in engine compartment wiring harness

- * only countries with hot climate
- ** without countries with hot climate
- # models with trailer towing attachment
- ## models without trailer towing attachment



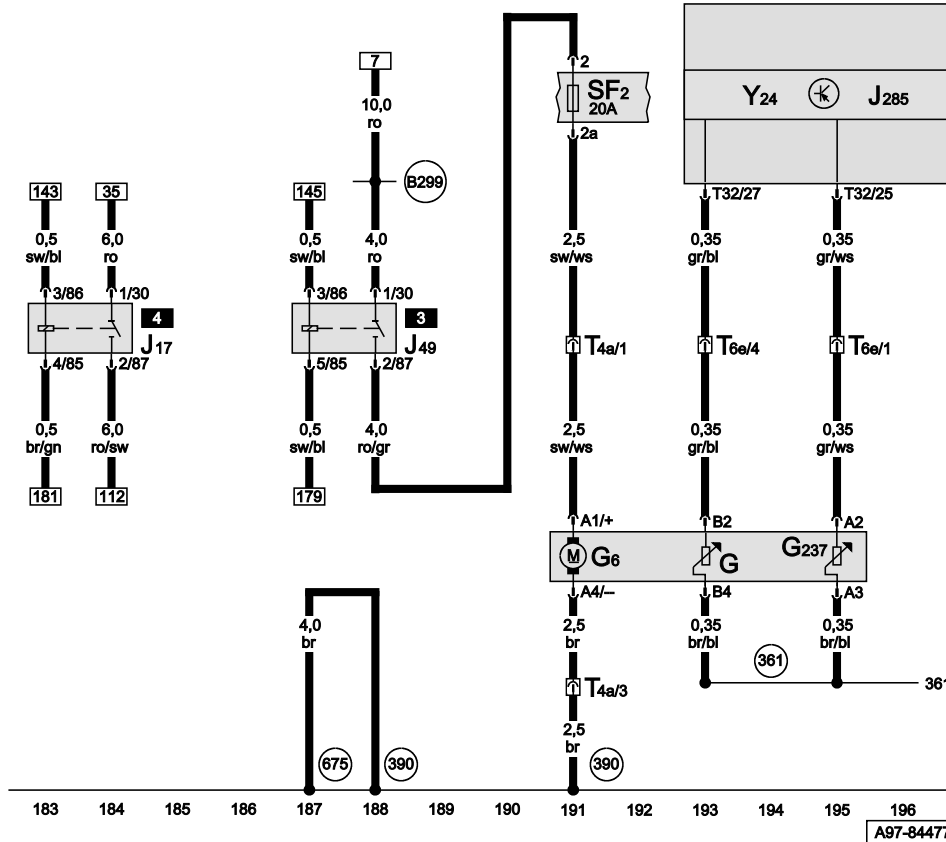
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Fuel pump relay, electric fuel pump 2 relay, control unit in dash panel insert

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- G237 Fuel gauge sender 3
- J17 Fuel pump relay
- J49 Electric fuel pump 2 relay
- J285 Control unit in dash panel insert
- SF2 Fuse 2 on fuse holder
- T4a 4-pin connector, under right cover on vehicle floor
- T6e 6-pin connector, under right cover on vehicle floor
- T32 32-pin connector, blue, on dash panel insert
- Y24 Display in dash panel insert

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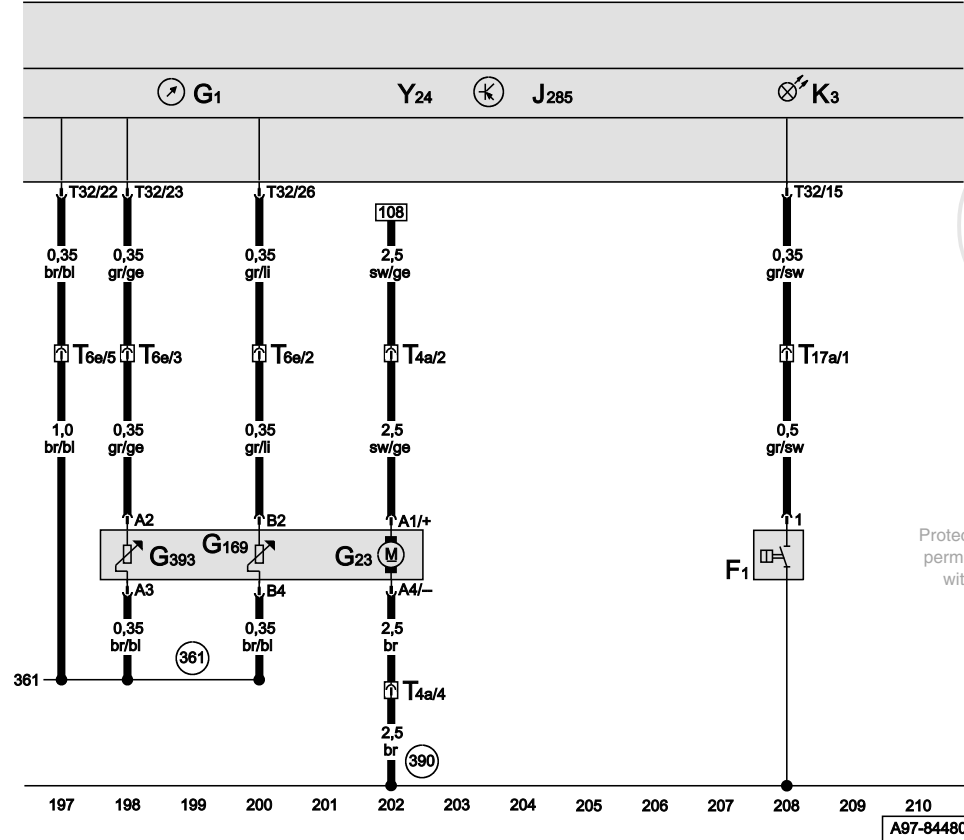
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness
- 675 Earth point 2, on right in luggage compartment
- B299 Positive connection 3 (30), in main wiring harness



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Control unit in dash panel insert, fuel pump, fuel gauge, oil pressure warning lamp, fuel gauge sender

- F1 Oil pressure switch
- G1 Fuel gauge
- G23 Fuel pump
- G169 Fuel gauge sender 2
- G393 Fuel gauge sender 4
- J285 Control unit in dash panel insert
- K3 Oil pressure warning lamp
- T4a 4-pin connector, under right cover on vehicle floor
- T6e 6-pin connector, under right cover on vehicle floor
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T32 32-pin connector, blue, on dash panel insert
- Y24 Display in dash panel insert
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness



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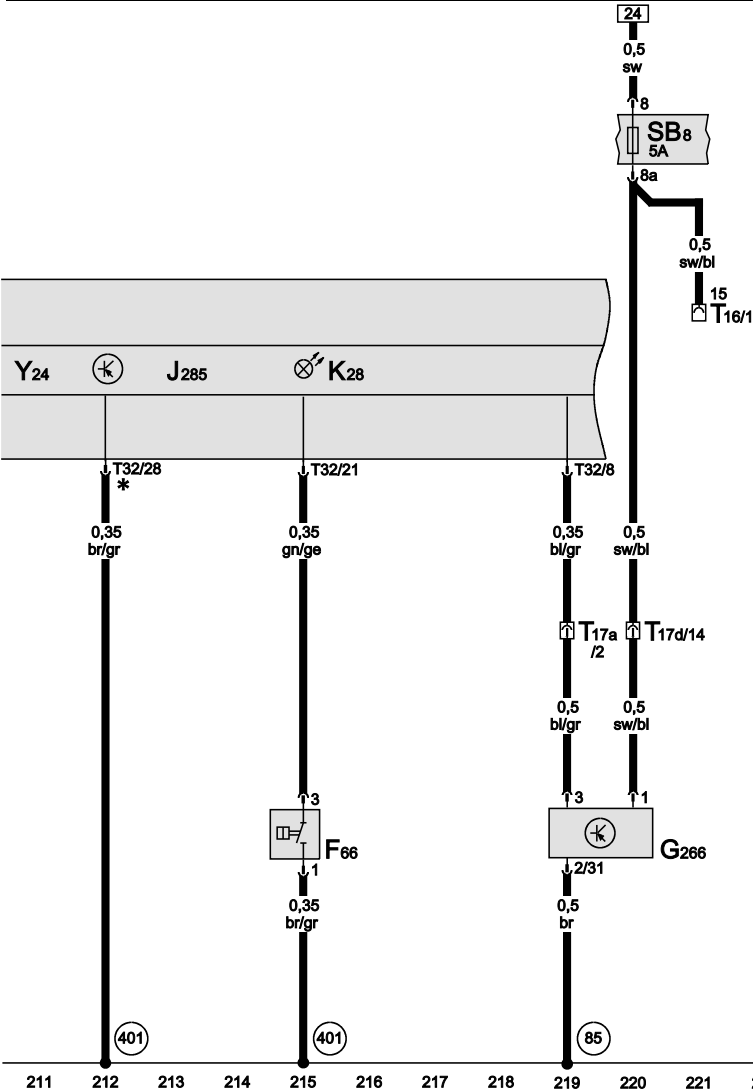
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Control unit in dash panel insert, coolant shortage indicator switch, oil level and oil temperature sender, coolant temperature and coolant shortage warning lamp

- F66 Coolant shortage indicator switch
- G266 Oil level and oil temperature sender
- J285 Control unit in dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- SB8 Fuse 8 on fuse holder
- T16 16-pin connector, black, diagnostic connetion
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T32 32-pin connector, blue, on dash panel insert
- Y24 Display in dash panel insert

- 85 Earth connection 1, in engine compartment wiring harness
- 401 Earth connection (sender earth), in interior wiring harness

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from model year 2005

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

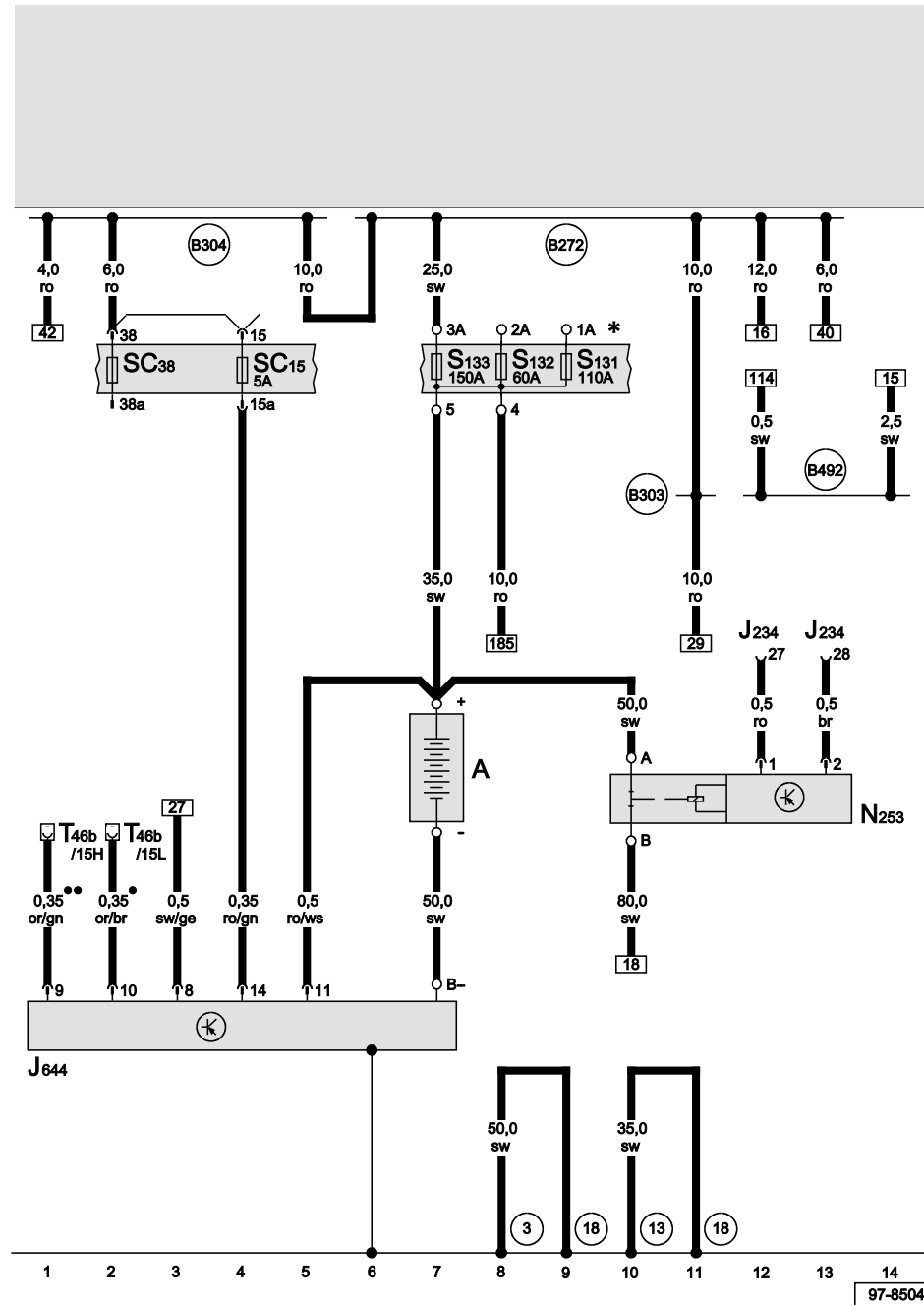


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Battery, energy management control unit, battery isolation igniter, fuses

- A Battery
- J234 Airbag control unit
- J644 Energy management control unit
- N253 Battery isolation igniter
- S131 Fuse 1
- S132 Fuse 2
- S133 Fuse 3
- SC15 Fuse 15 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- T46b 46-pin connector, black, CAN disconnecter right

- 3 Earth strap, engine - body
- 13 Earth point, on right in engine compartment
- 18 Earth point on engine block
- B272 Positive connection (30), in main wiring harness
- B303 Positive connection 7 (30), in main wiring harness
- B304 Positive connection 8 (30), in main wiring harness
- B492 Positive connection 3 (15), in interior wiring harness
 - CAN bus (data wire)
 - * In luggage compartment, rear right



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Starter, alternator, terminal 15 voltage supply relay, starter motor relay

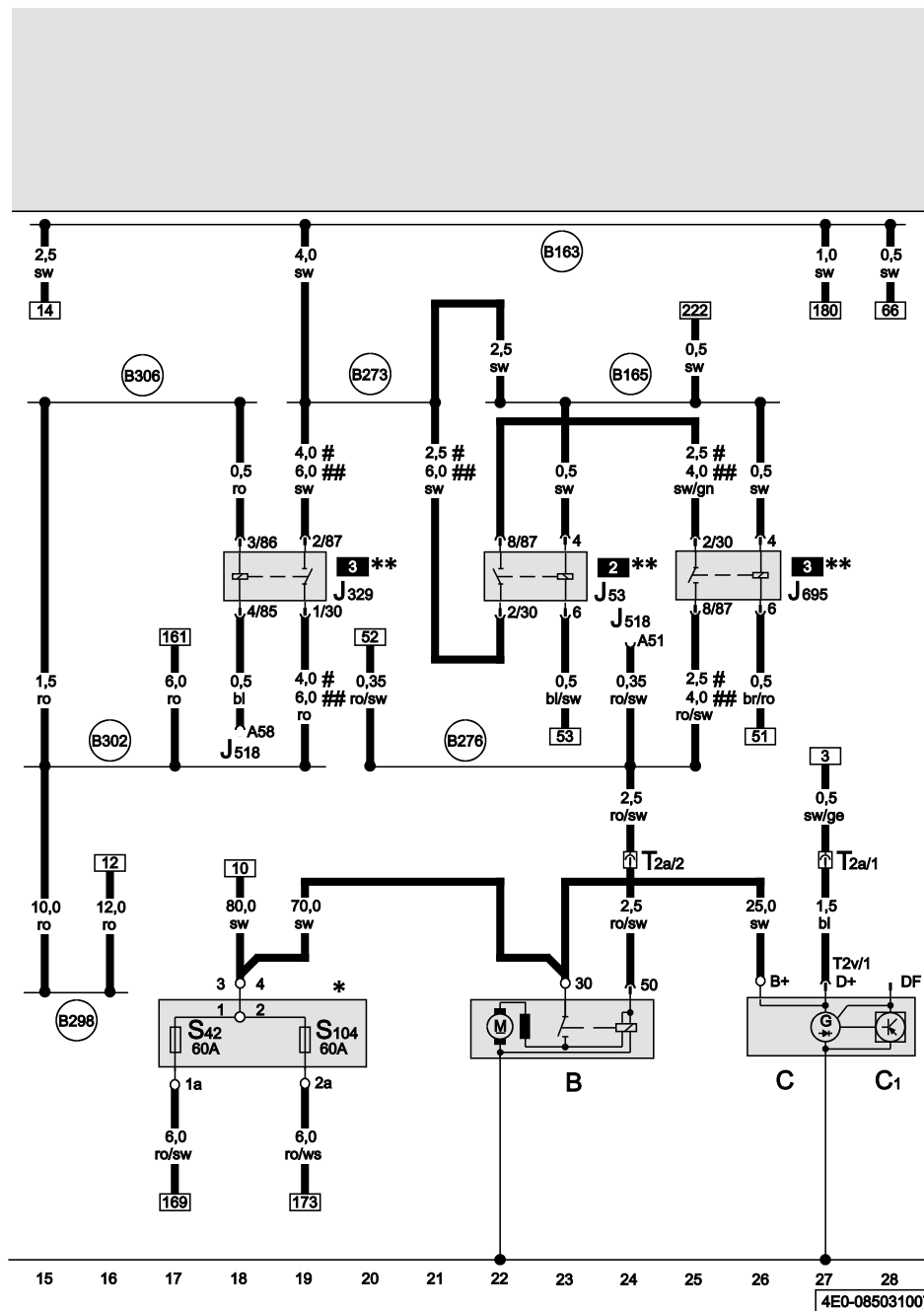
- B Starter
- C Alternator
- C1 Voltage regulator
- J53 Starter motor relay
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J695 Starter motor relay 2
- S42 Radiator fan single fuse
- S104 Radiator fan fuse for 2nd speed
- T2a 2-pin connector, black, in front right engine compartment
- T2v 2-pin connector, red, on alternator

- B163 Positive connection 1 (15), in interior wiring harness
- B165 Positive connection 2 (15), in interior wiring harness
- B273 Positive connection (15), in main wiring harness
- B276 Positive connection (50), in main wiring harness
- B298 Positive connection 2 (30), in main wiring harness
- B302 Positive connection 6 (30), in main wiring harness
- B306 Positive connection 10 (30), in main wiring harness

- * Main fuse carrier right A-pillar
- ** relay carrier front passenger footwell
- # up to April 2006
- ## from May 2006

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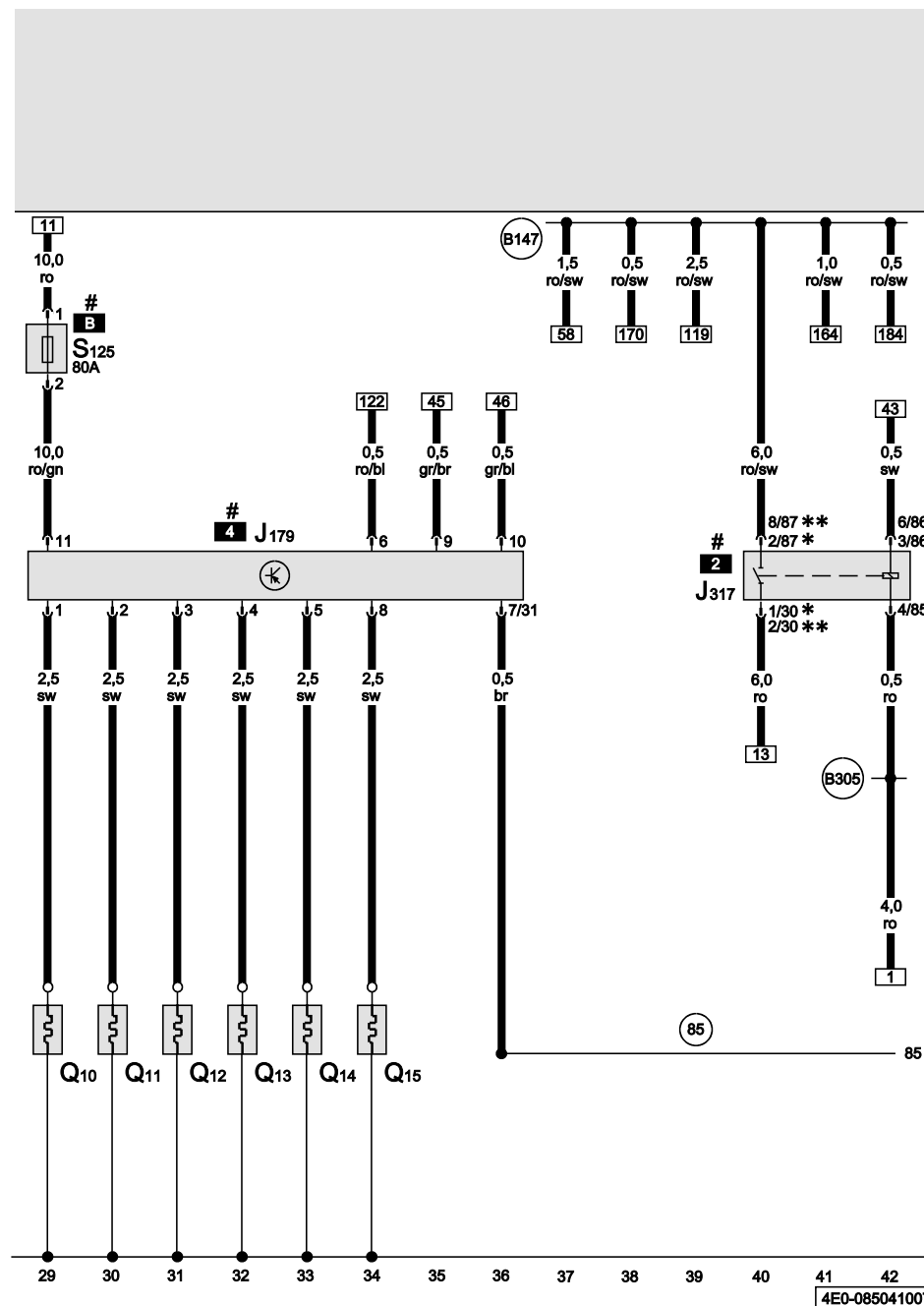
Automatic glow period control unit, terminal 30 voltage supply relay, glow plugs, glow plug fuse

J179 Automatic glow period control unit
J317 Terminal 30 voltage supply relay
Q10 Glow plug 1
Q11 Glow plug 2
Q12 Glow plug 3
Q13 Glow plug 4
Q14 Glow plug 5
Q15 Glow plug 6
S125 Glow plug fuse

85 Earth connection 1, in engine compartment wiring harness
B147 Positive connection 2 (87), in interior wiring harness
B305 Positive connection 9 (30), in main wiring harness
* up to August 2007
** from September 2007
Relay carrier electronics box in plenum chamber

Audi

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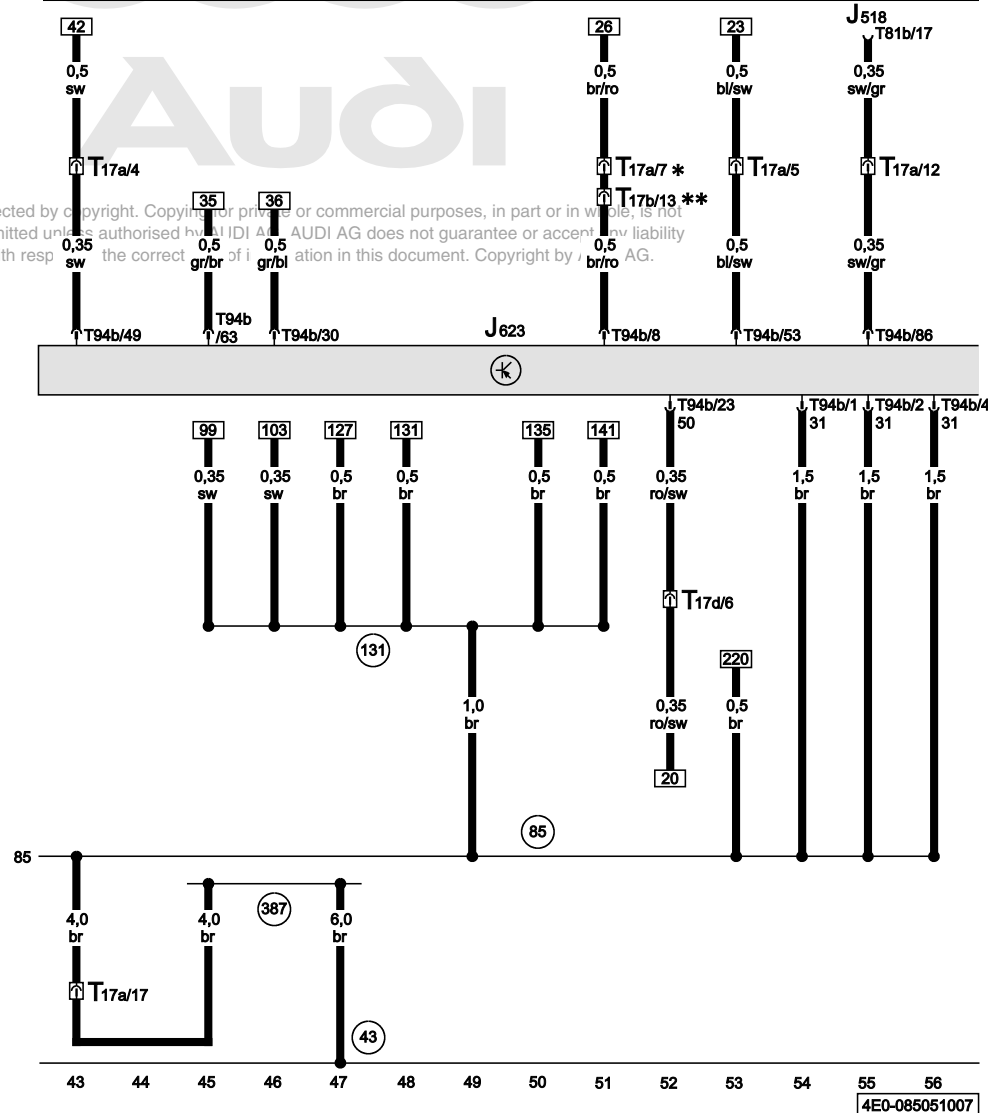
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Engine control unit

- J518 Entry and start authorisation control unit
- J623 Engine control unit
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17b 17-pin connector, green, in electronics box in plenum chamber
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T81b 81-pin connector, black, connector A, on entry and start authorisation control unit
- T94b 94-pin connector, black, connector B, on engine control unit

- 43 Earth point, lower part of right A-pillar
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 387 Earth connection 22, in main wiring harness

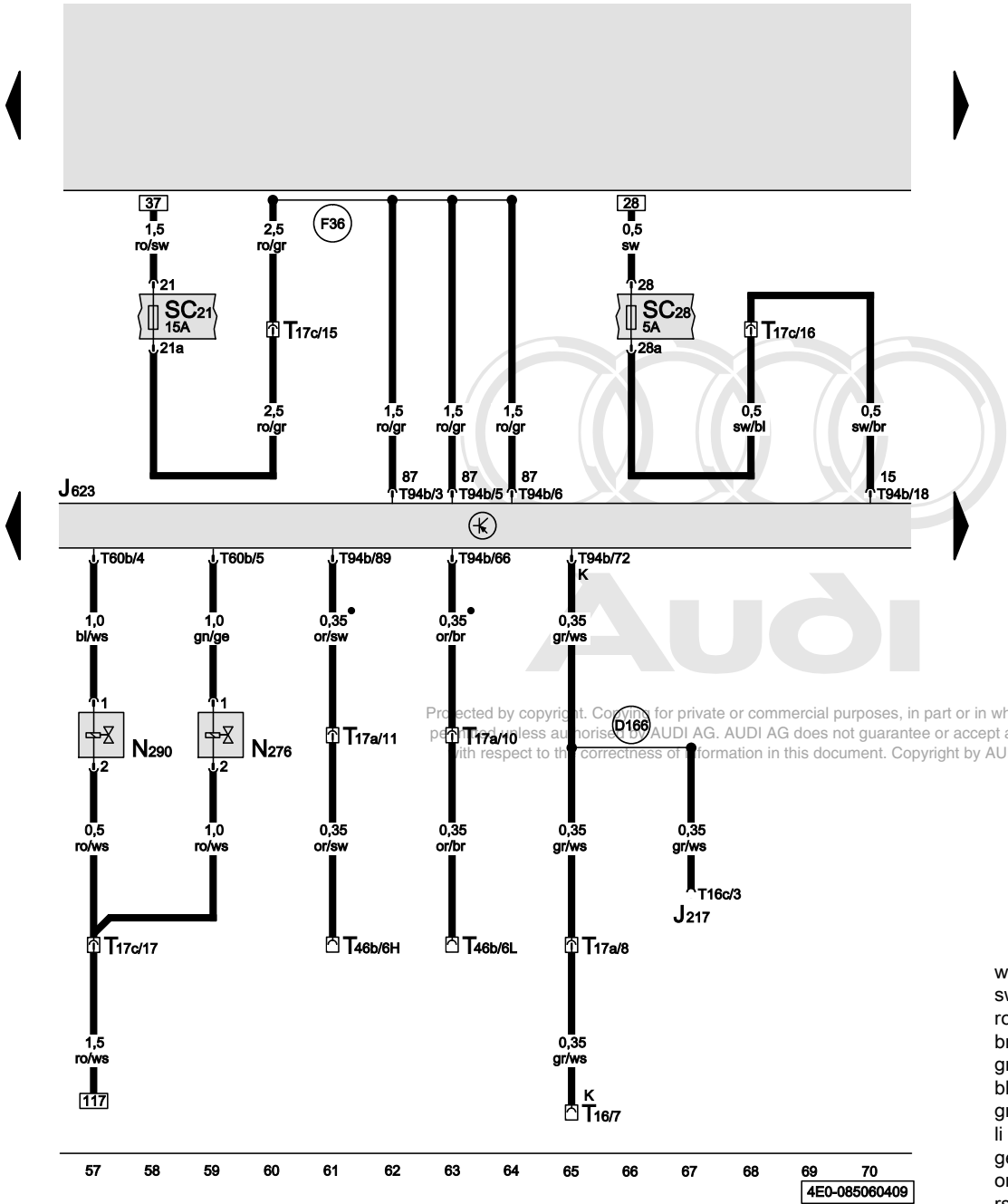
* up to August 2007
 ** from September 2007



4E0-085051007

Engine control unit, fuel pressure regulating valve, fuel metering valve

- J217 Automatic gearbox control unit
J623 Engine control unit
N276 Fuel pressure regulating valve
N290 Fuel metering valve
SC21 Fuse 21 on fuse holder C
SC28 Fuse 28 on fuse holder C
T16 16-pin connector, black, diagnostic connetion
T16c 16-pin connector, black, on automatic gearbox control unit
T17a 17-pin connector, black, in electronics box in plenum chamber
T17c 17-pin connector, brown, in electronics box in plenum chamber
T46b 46-pin connector, black, CAN bus disconnecter right
T60b 60-pin connector, black, connector A, on engine control unit
T94b 94-pin connector, black, connector B, on engine control unit
D166 Connection (K-diagnosis wiring), in engine compartment wiring harness
F36 Connection (87a), in diesel direct injection system wiring harness
• CAN bus (data wire)



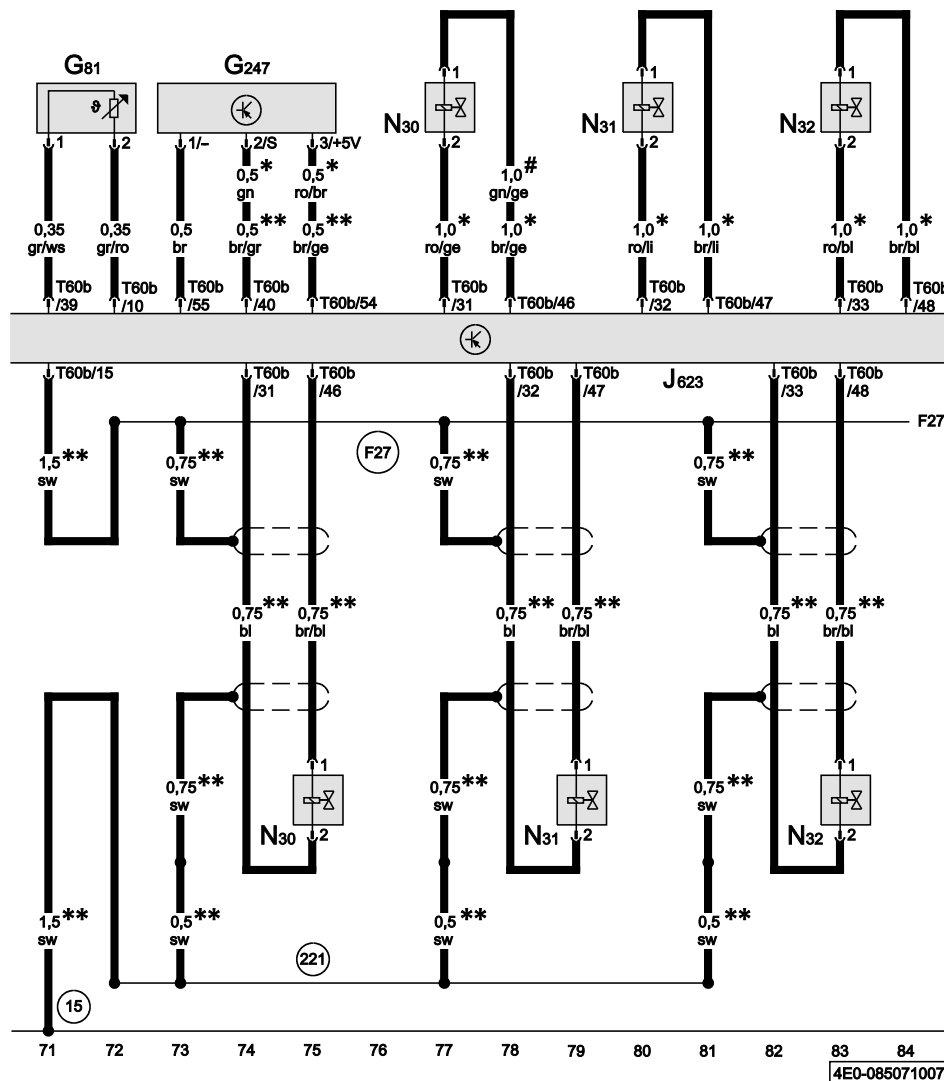
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Engine control unit, fuel temperature sender, fuel pressure sender, injector, cylinder 1 - 3

- G81 Fuel temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- T60b 60-pin connector, black, connector A, on engine control unit

- 15 Earth point, on cylinder head
- 221 Earth connection (engine earth), in engine wiring harness
- F27 Connection (screening), in diesel direct injection wiring harness
- * phased from March 2005
- ** no longer fitted, phased from March 2005
- # phased-in modification

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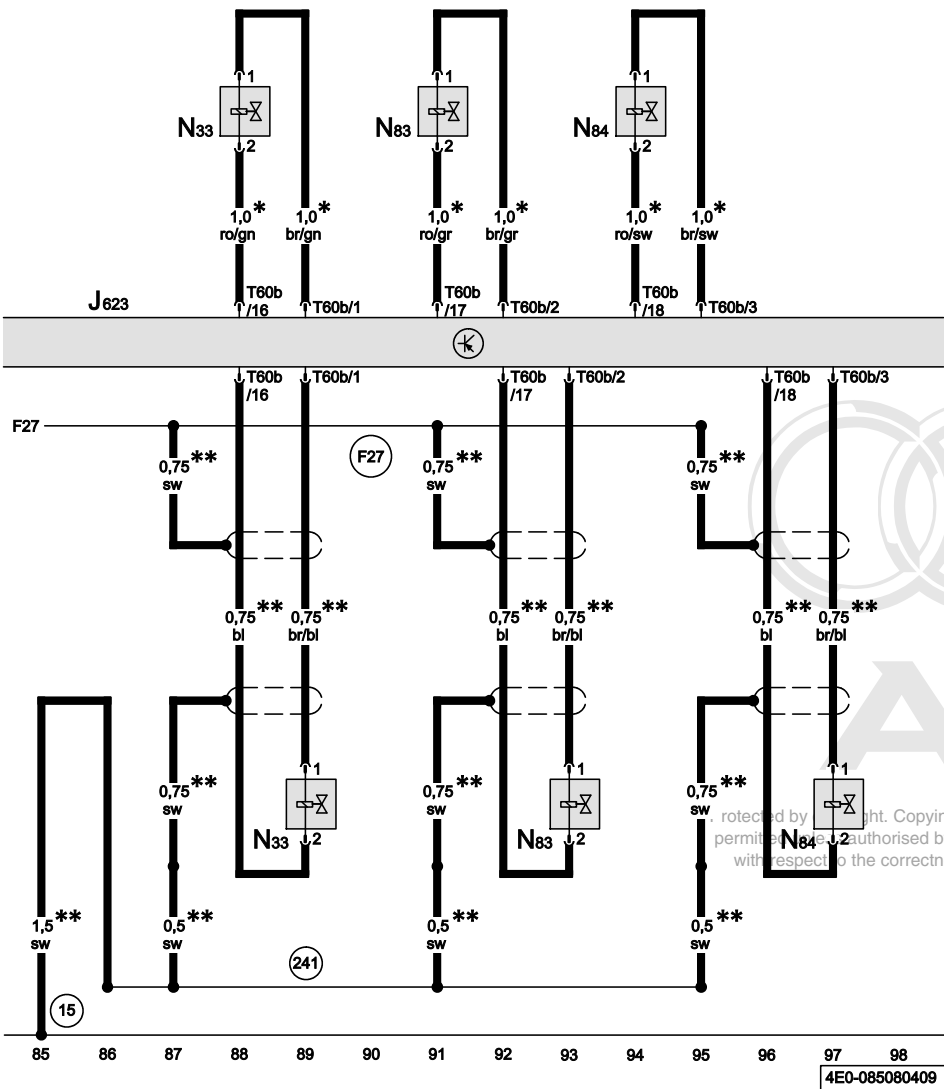
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Engine control unit, injectors cylinder 4 up to 6

- J623 Engine control unit
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- N84 Injector, cylinder 6
- T60b 60-pin connector, black, connector A, on engine control unit

- 15 Earth point, on cylinder head
- 241 Earth connection 2 engine earth, in engine wiring harness
- F27 Connection (screening), in diesel direct injection wiring harness

- * phased from March 2005
- ** no longer fitted, phased from March 2005



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Engine control unit, Hall sender, air mass meter, engine speed sender, coolant temperature sender, suppression filter

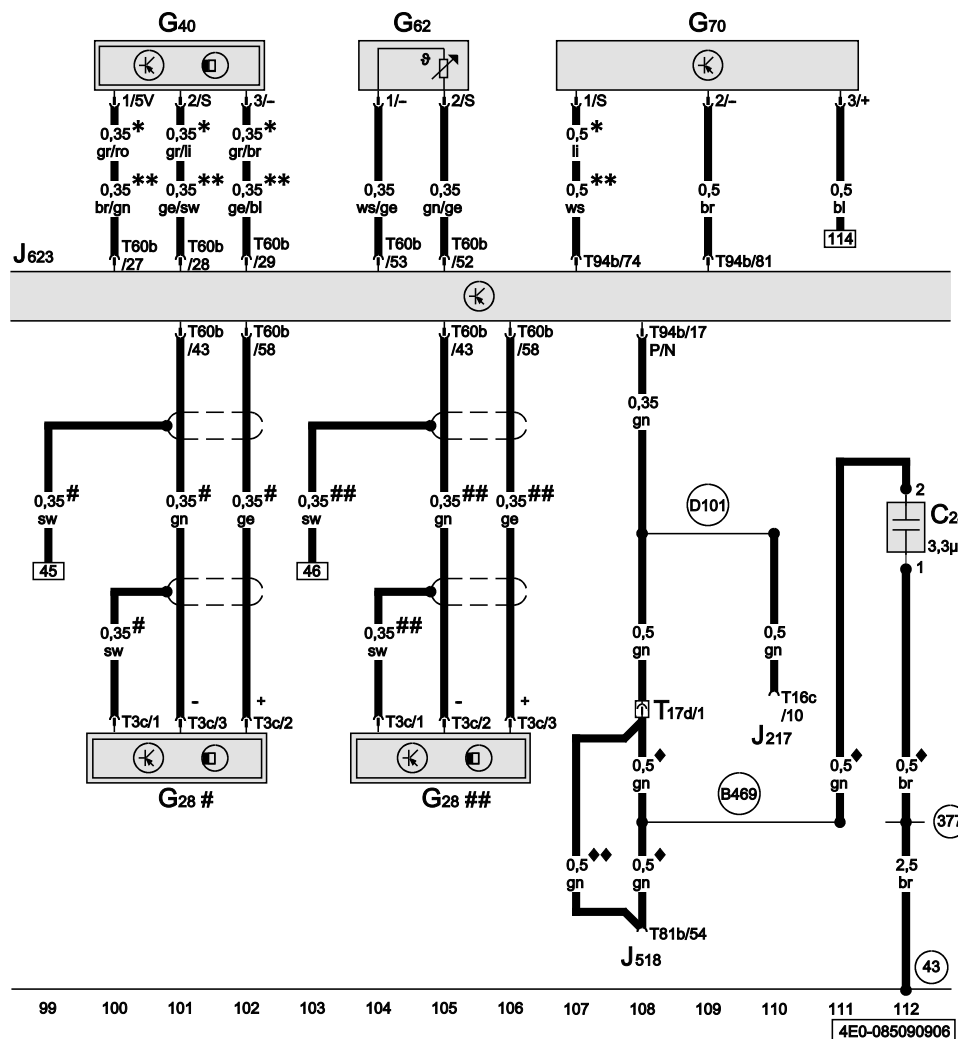
- C24 Suppression filter
- G28 Engine speed sender
- G40 Hall sender
- G62 Coolant temperature sender
- G70 Air mass meter
- J217 Automatic gearbox control unit
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- T3c 3-pin connector, grey, on engine speed sender
- T16c 16-pin connector, black, on automatic gearbox control unit
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T60b 60-pin connector, black, connector A, on engine control unit
- T81b 81-pin connector, black, connector A, on entry and start authorisation control unit
- T94b 94-pin connector, black, connector B, on engine control unit

- 43 Earth point, lower part of right A-pillar
- 377 Earth connection 12, in main wiring harness
- B469 Connection 5 in main wiring harness
- D101 Connection 1, in engine compartment wiring harness

- * phased from March 2005
- ** no longer fitted, phased from March 2005
- # up to model year 2005
- ## from model year 2006, when replacing the gearbox, observe the version of the drive plate
- ♦ up to October 2005
- ♦♦ from November 2005

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Engine control unit, exhaust gas recirculation valve, kick-down switch, accelerator position sender, fuses

- E45 Cruise control system switch
- F8 Kick-down switch
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J338 Throttle valve module
- J527 Steering column electronics control unit
- J623 Engine control unit
- N18 Exhaust gas recirculation valve
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC31 Fuse 31 on fuse holder C

- T16a 16-pin connector, on steering column electronics control unit
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17b 17-pin connector, green, in electronics box in plenum chamber
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T17d 17-pin connector, blue, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T60b 60-pin connector, black, connector A, on engine control unit
- T94b 94-pin connector, black, connector B, on engine control unit

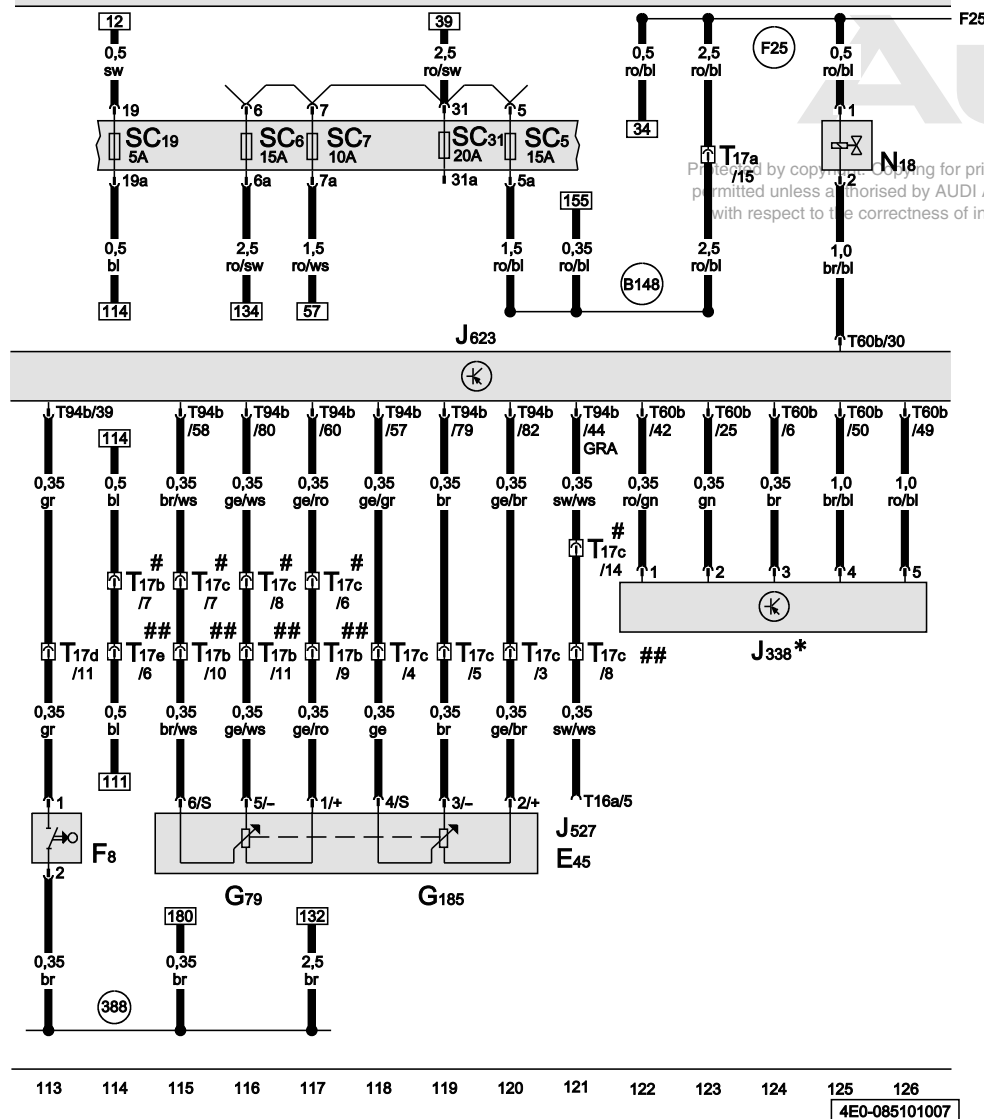
388 Earth connection 23, in main wiring harness

B148 Positive connection 3 (87), in interior wiring harness

F25 Connection 1, in diesel direct injection system wiring harness

- * from November 2005
- # up to August 2007
- ## from September 2007

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Engine control unit, throttle valve module, intake manifold flap motor, exhaust gas recirculation cooler change-over valve, intake air temperature sender, charge air pressure sender, lambda probe

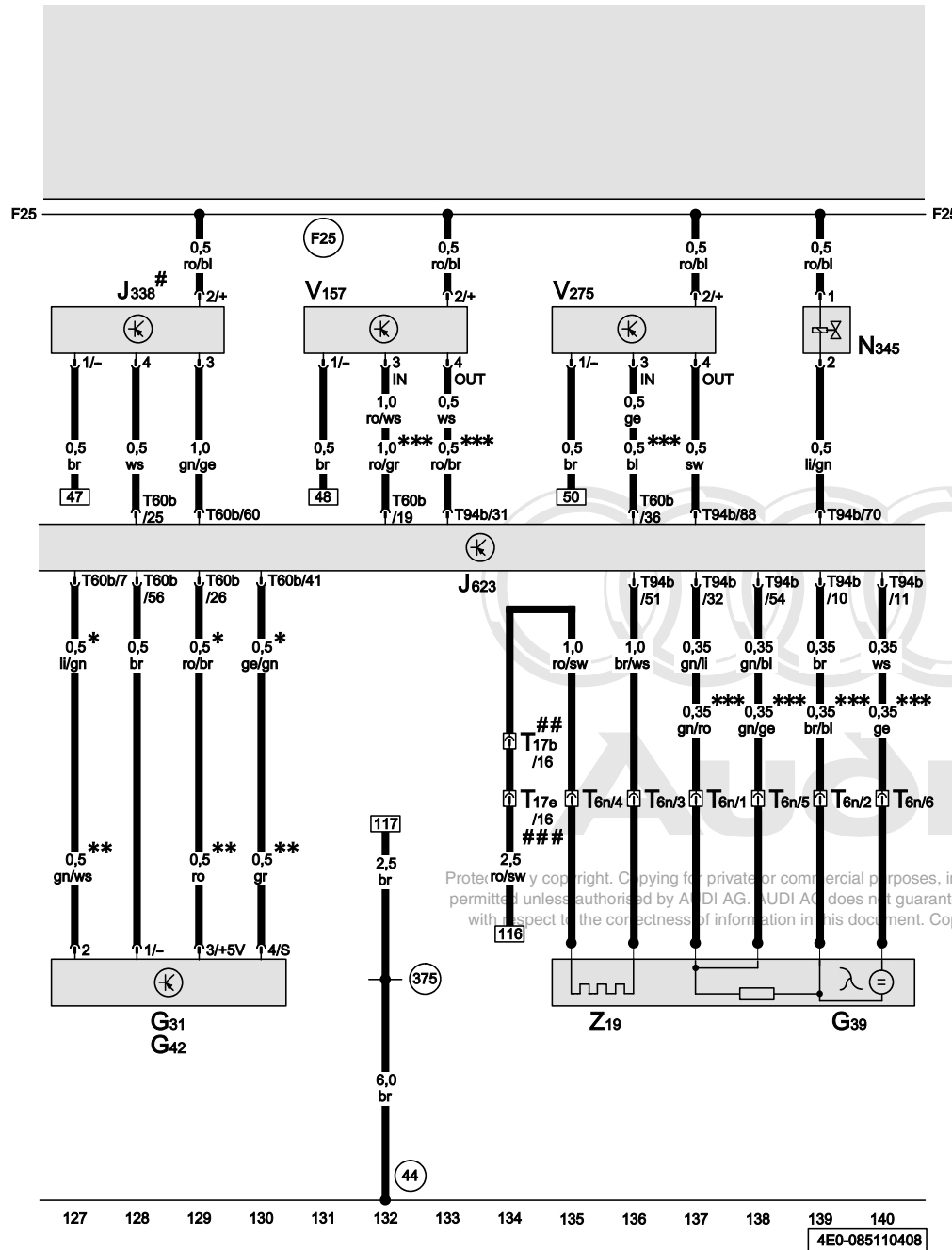
- G31 Charge air pressure sender
- G39 Lambda probe
- G42 Intake air temperature sender
- J338 Throttle valve module
- J623 Engine control unit
- N345 Exhaust gas recirculation cooler change-over valve
- T6n 6-pin connector, brown, for Lambda probe
- T17b 17-pin connector, green, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T60b 60-pin connector, black, connector A, on engine control unit
- T94b 94-pin connector, black, connector B, on engine control unit
- V157 Intake manifold flap motor
- V275 Intake manifold flap 2 motor
- Z19 Lambda probe heater

44 Earth point, lower part of left A-pillar

375 Earth connection 10, in main wiring harness

F25 Connection 1, in diesel direct injection system wiring harness

- * phased from March 2005
- ** no longer fitted, phased from March 2005
- ** phased-in modification
- # up to October 2005
- ## up to August 2007
- ### from September 2007



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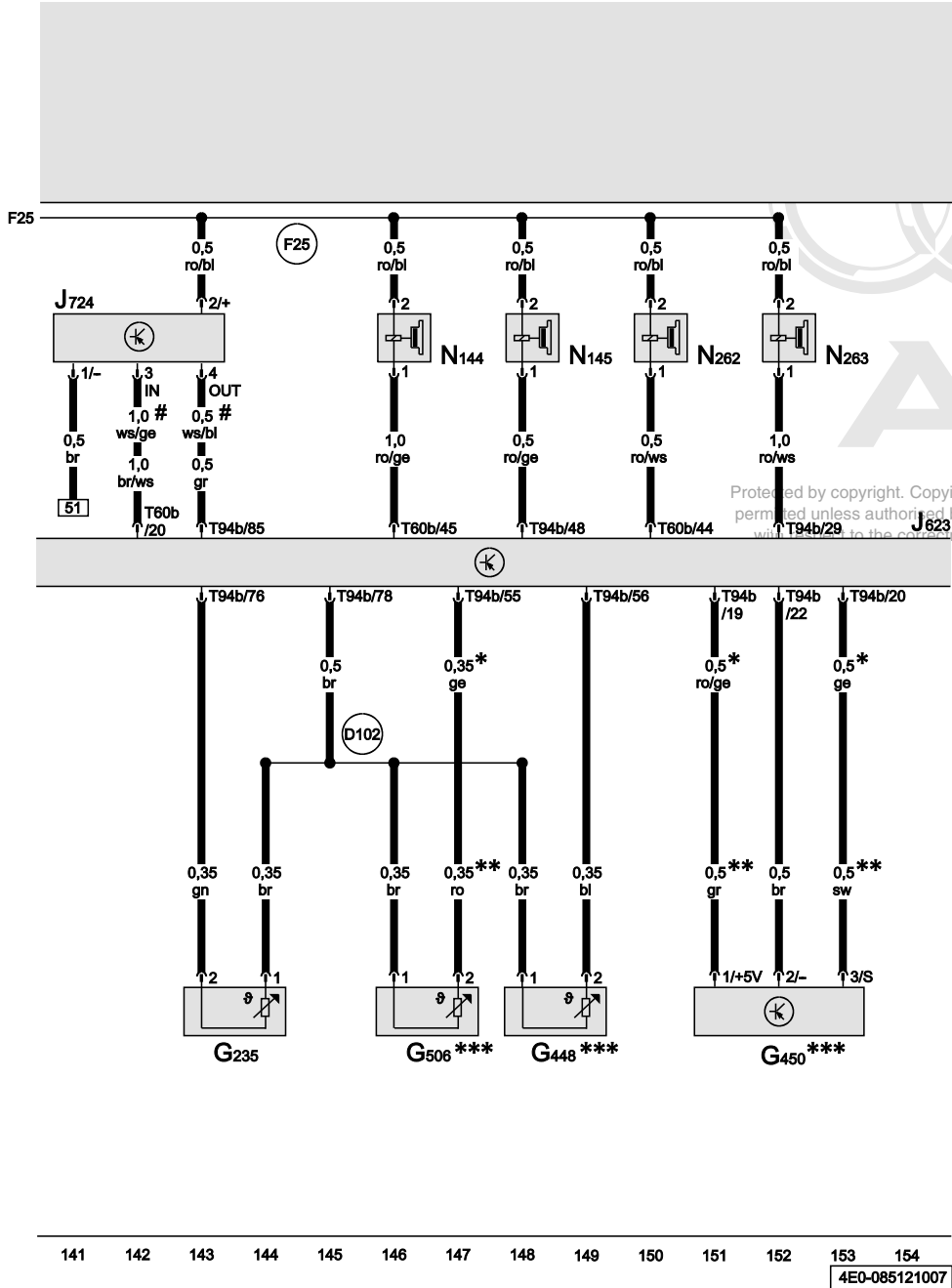
Engine control unit, turbocharger 1 control unit, exhaust temperature sender, electro-hydraulic engine mounting solenoid valve, gearbox mounting valve, temperature sender before particulate filter, exhaust gas pressure sensor 1

- G235 Exhaust gas temperature sender 1
- G448 Bank 1 exhaust gas temperature sender 2
- G450 Exhaust gas pressure sensor 1
- G506 Temperature sender before particulate filter
- J623 Engine control unit
- J724 Turbocharger 1 control unit
- N144 Left electrohydraulic engine mounting solenoid valve
- N145 Right electrohydraulic engine mounting solenoid valve
- N262 Gearbox mounting valve 1
- N263 Gearbox mounting valve 2
- T60b 60-pin connector, black, connector A, on engine control unit
- T94b 94-pin connector, black, connector B, on engine control unit

- 131 Earth connection 2, in engine compartment wiring harness
- D102 Connection 2, in engine compartment wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness

- * phased from March 2005
- ** no longer fitted, phased from March 2005
- *** with particulate filter
- # phased-in modification

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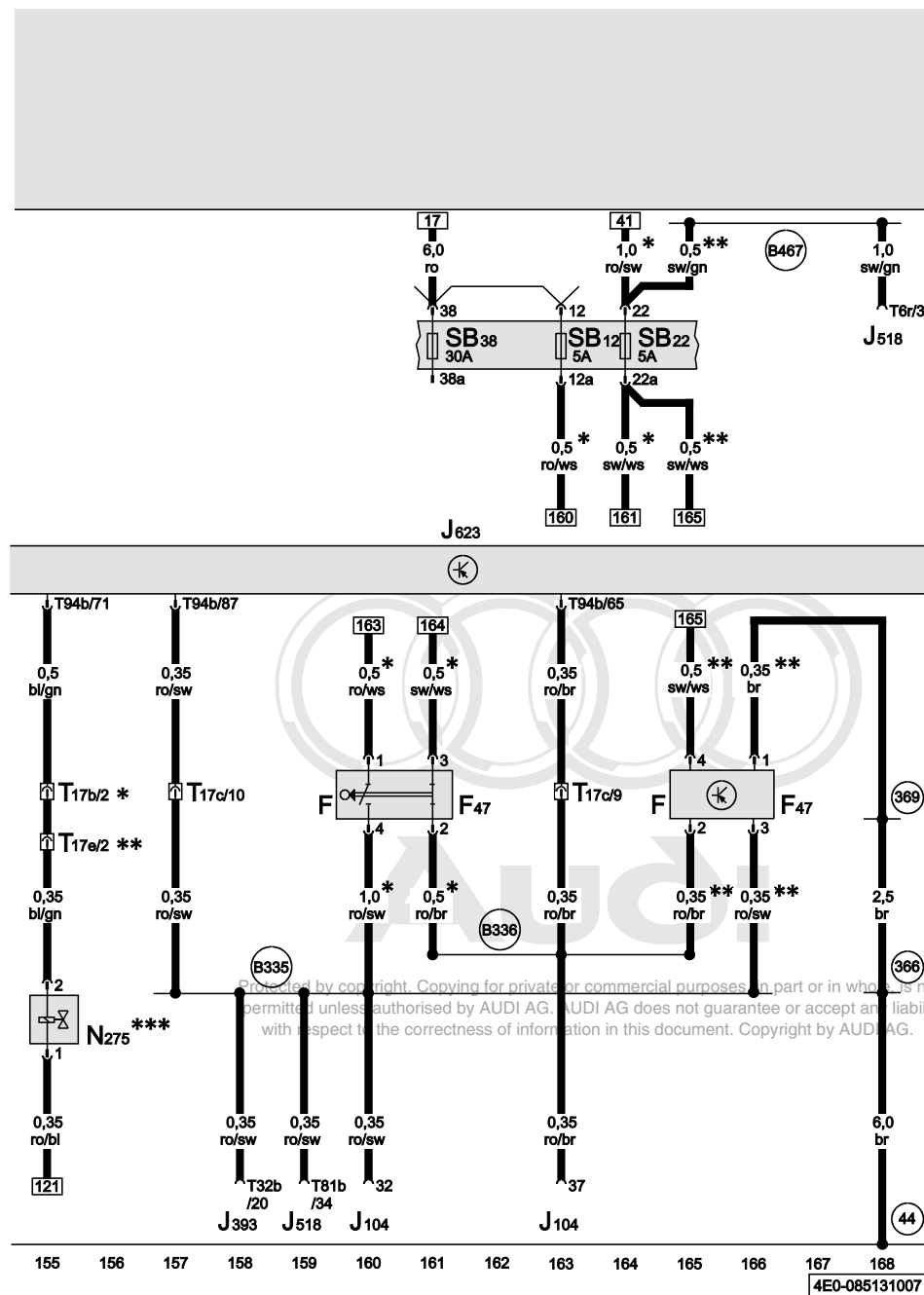
Engine control unit, brake light switch, air filter bypass flap valve

- F Brake light switch
- F47 Brake pedal switch
- J104 ABS control unit
- J393 Convenience system central control unit
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- N275 Air filter bypass flap valve
- SB12 Fuse 12 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- T6r 6-pin connector, black, connector B, on entry and start authorisation control unit
- T17b 17-pin connector, green, in electronics box in plenum chamber
- T17c 17-pin connector, brown, in electronics box in plenum chamber
- T17e 17-pin connector, red, in electronics box in plenum chamber
- T32b 32-pin connector, connector B, on convenience system central control unit
- T81b 81-pin connector, black, connector A, on entry and start authorisation control unit
- T94b 94-pin connector, black, connector B, on engine control unit

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 369 Earth connection 4, in main wiring harness
- B467 Connection 3 in main wiring harness
- B335 Connection 1 (54), in main wiring harness
- B336 Connection 2 (54), in main wiring harness

* up to August 2007
 ** from September 2007
 *** countries with cold climate only

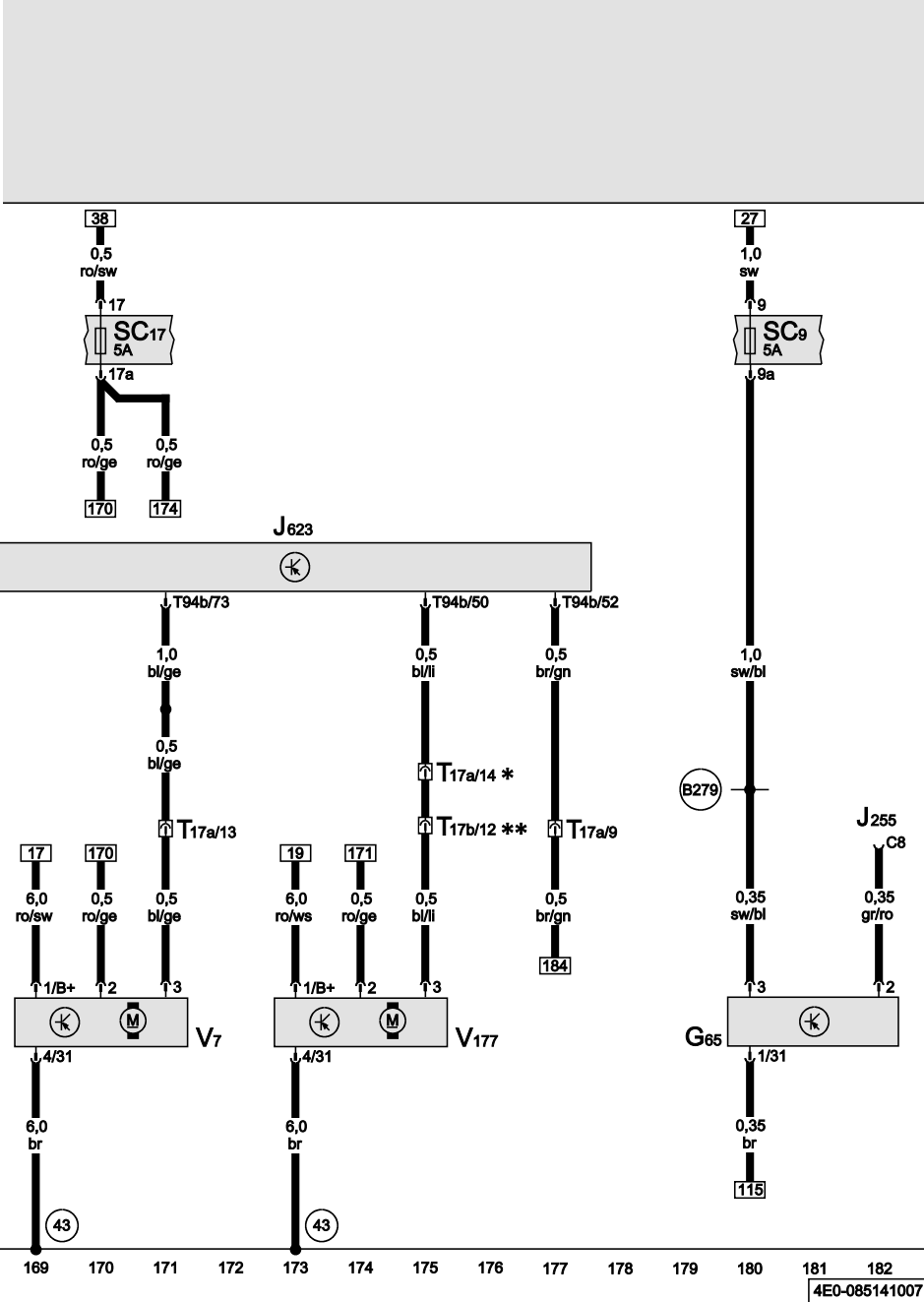
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Engine control unit, radiator fan, high-pressure sender

- G65 High pressure sender
- J255 Climatronic control unit
- J623 Engine control unit
- SC9 Fuse 9 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T17b 17-pin connector, green, in electronics box in plenum chamber
- T94b 94-pin connector, black, connector B, on engine control unit
- V7 Radiator fan
- V177 Radiator fan 2

- 43 Earth point, lower part of right A-pillar
- B279 Positive connection 3 (15a), in main wiring harness
- * up to August 2007
- ** from September 2007

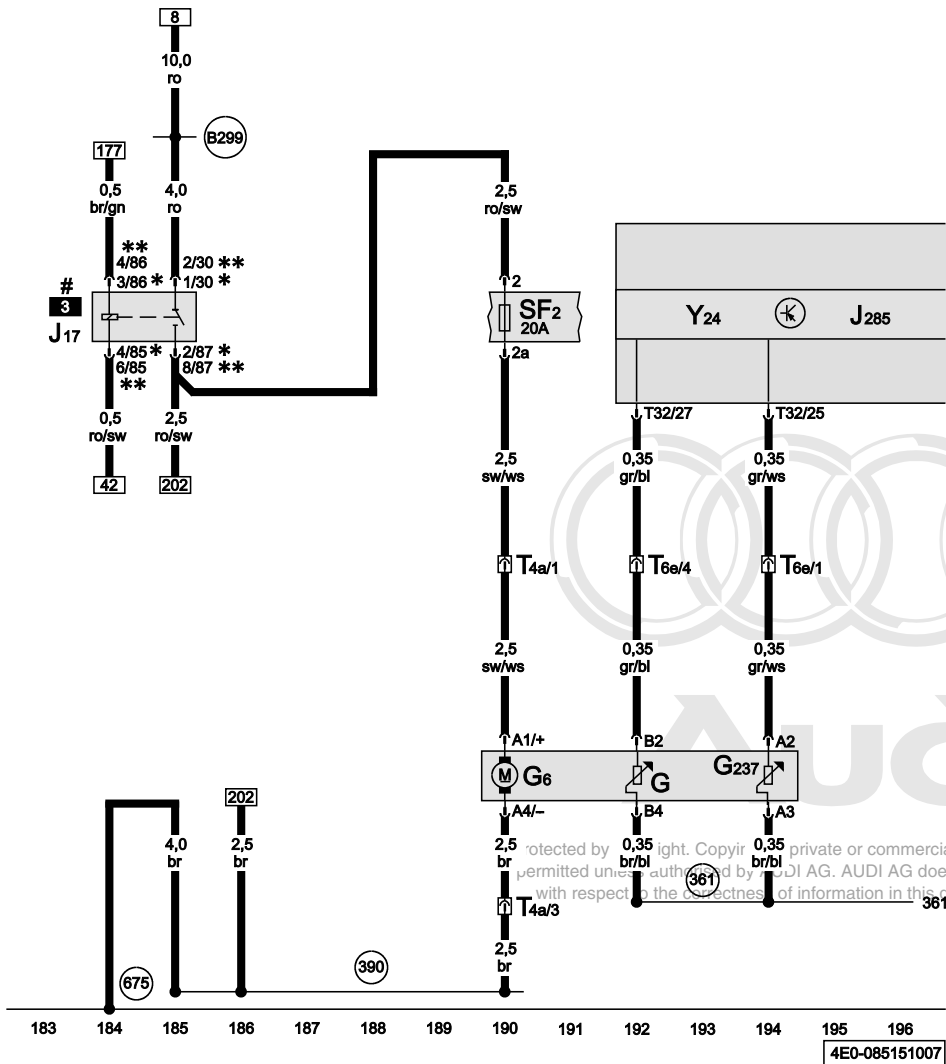


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

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Control unit in dash panel insert, fuel pump relay

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- G237 Fuel gauge sender 3
- J17 Fuel pump relay
- J285 Control unit in dash panel insert
- SF2 Fuse 2 on fuse holder F
- T4a 4-pin connector, under right cover on vehicle floor
- T6e 6-pin connector, under right cover on vehicle floor
- T32 32-pin connector, blue, on dash panel insert
- Y24 Display in dash panel insert
- 361 Earth connection (fuel gauge sender), in main wiring harness
- 390 Earth connection 25, in main wiring harness
- 675 Earth point 2, on right in luggage compartment
- B299 Positive connection 3 (30), in main wiring harness
- * up to August 2007
- ** from September 2007
- # Relay and fuse carrier right in luggage compartment

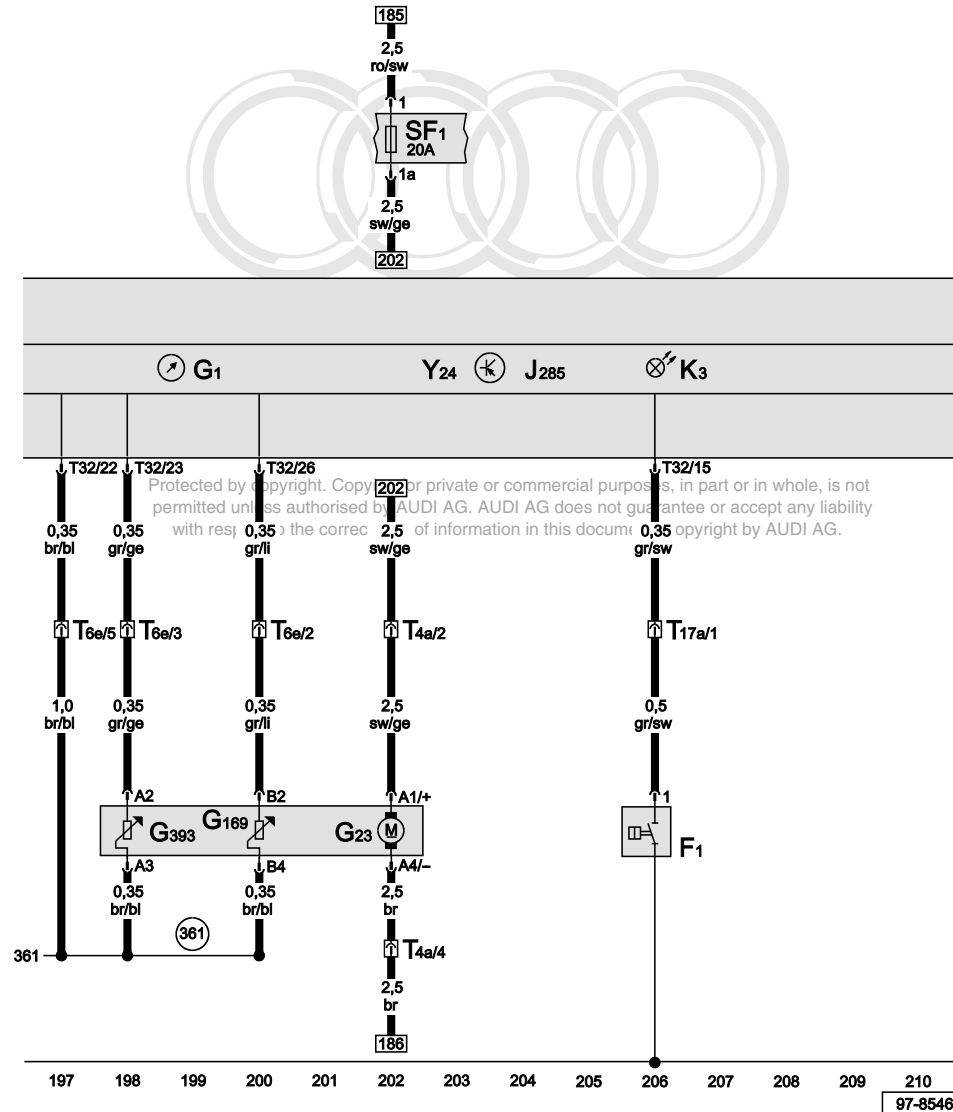


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gr = grey
li = purple
ge = yellow
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rs = pink

Control unit in dash panel insert, fuel gauge, fuel pump, fuel gauge sender, oil pressure warning lamp, oil pressure switch

- F1 Oil pressure switch
- G1 Fuel gauge
- G23 Fuel pump
- G169 Fuel gauge sender 2
- G393 Fuel gauge sender 4
- J285 Control unit in dash panel insert
- K3 Oil pressure warning lamp
- SF1 Fuse 1 on fuse holder F
- T4a 4-pin connector, under right cover on vehicle floor
- T6e 6-pin connector, under right cover on vehicle floor
- T17a 17-pin connector, black, in electronics box in plenum chamber
- T32 32-pin connector, blue, on dash panel insert
- Y24 Display in dash panel insert

361 Earth connection (fuel gauge sender), in main wiring harness



F66	Coolant shortage indicator switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K28	Coolant temperature and coolant shortage warning lamp
SB8	Fuse 8 on fuse holder B
T16	16-pin connector, black, diagnostic connetion
T17a	17-pin connector, black, in electronics box in plenum chamber
T17d	17-pin connector, blue, in electronics box in plenum chamber
T32	32-pin connector, blue, on dash panel insert
Y24	Display in dash panel insert

```
* output sender earth
# up to August 2007
## from September 2007
```

