

Audi A8

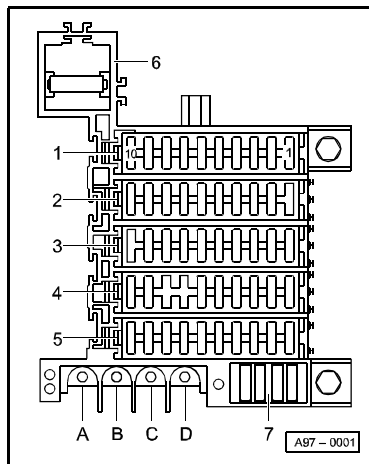
Current Flow Diagram

No. 75/1

Air conditioner with automatic control

From model year 2000

Fuse box

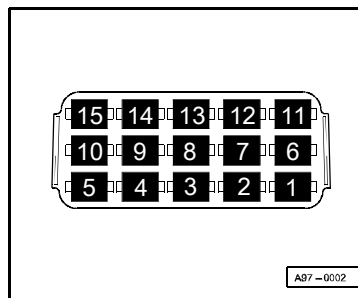


Fuse colours:

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

- 1 - Fuse carrier 1 (ST1), black
- 2 - Fuse carrier 2 (ST2), red
- 3 - Fuse carrier 3 (ST3), yellow
- 4 - Fuse carrier 4 (ST4), blue
- 5 - Fuse carrier 5 (ST5), brown
- 6 - Radiator fan fuse (S42)
- 7 - Spare fuses A, B, C, D - Screwed junctions

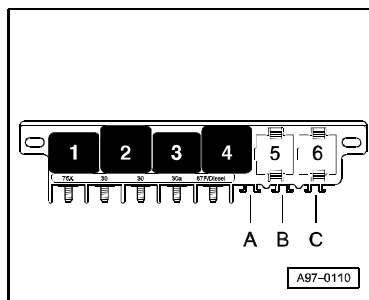
Relay carrier, electronics box, front passenger's footwell



Position of relays:

- 7** - Solar cell isolation relay (J309)
- 14** - Magnetic coupling relay (J44)

Micro-central electrics



Position of relays:

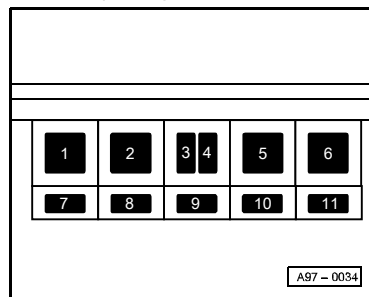
- 2** - X contact relief relay (J59)

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Current Flow Diagram

No. 75/2

Auxiliary fuse and relay carrier, electronics
box, front passenger's footwell



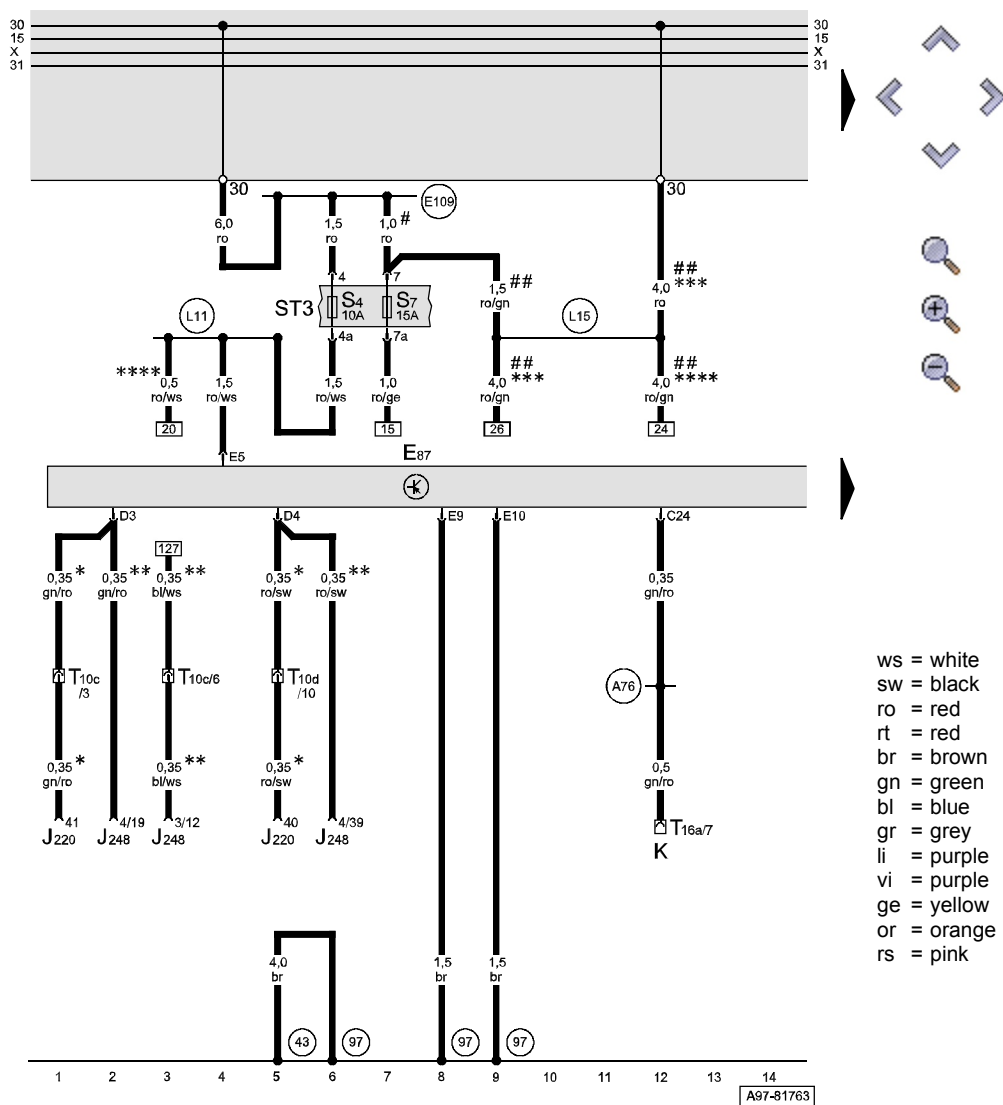
Position of relays:

7 - Hot air blower single fuse (S25)

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Current Flow Diagram

No. 75 / 2



Control and display unit for air conditioner, fuses

- E87 - Control and display unit for air conditioner
- J220 - Motronic control unit
- J248 - Diesel direct injection system control unit
- K - Diagnosis connection
- S4 - Fuse in fuse carrier
- S7 - Fuse in fuse carrier
- T10c - 10-pin connector, green, connector point, electronics box, plenum chamber
- T10d - 10-pin connector, red, connector point, electronics box, plenum chamber
- T16a - 16-pin connector, diagnosis connection
- 43 - Earth point, lower part of right A-pillar
- 97 - Earth connection -1-, in air conditioner wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- E109 - Connection (30, central electrics), in dash panel wiring harness
- L11 - Connection -3-, in air conditioner wiring harness
- L15 - Connection (fresh air blower), in auxiliary heater wiring harness
- * - Models with petrol engines
- ** - Models with diesel engines
- *** - Models without solar roof
- **** - Models with solar roof
- # - Models without auxiliary heater
- ## - Models with auxiliary heater

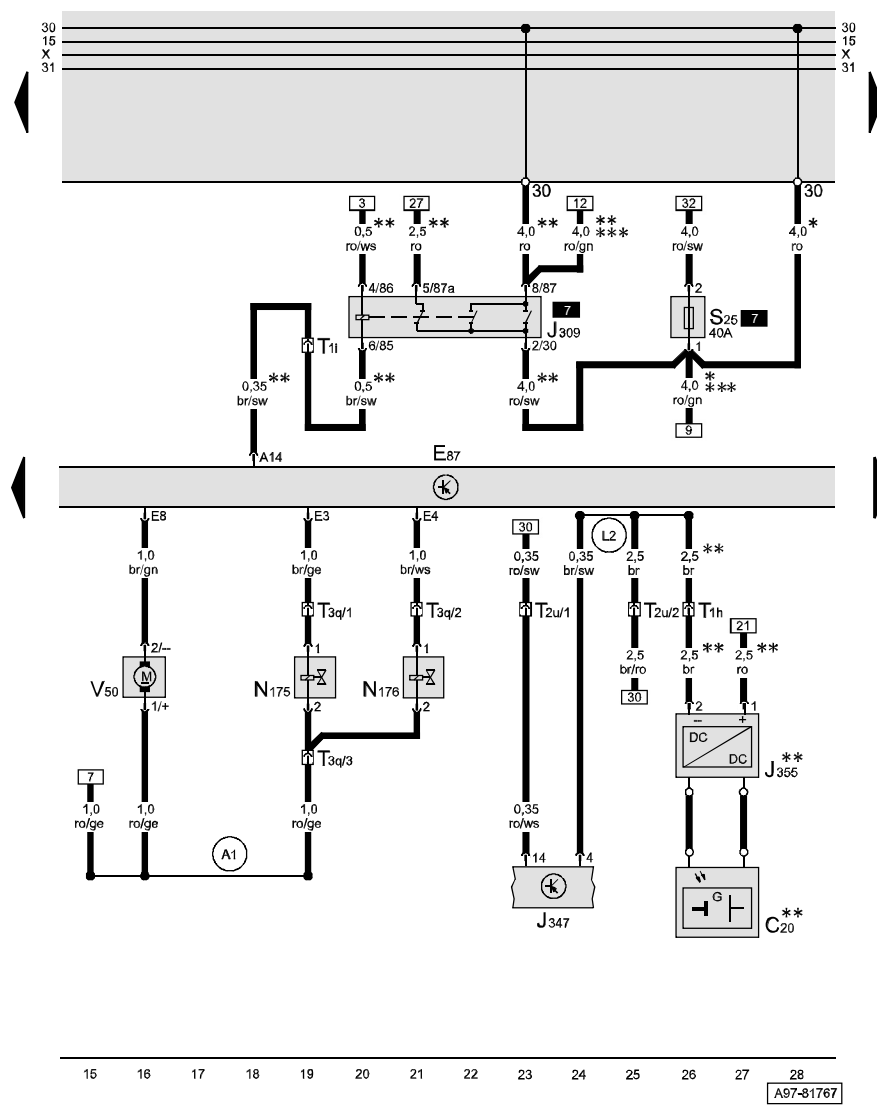
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 gr = grey
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 or = orange
 rs = pink

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Current Flow Diagram

No. 75 / 3



Control and display unit for air conditioner, heat regulation valves, solar roof

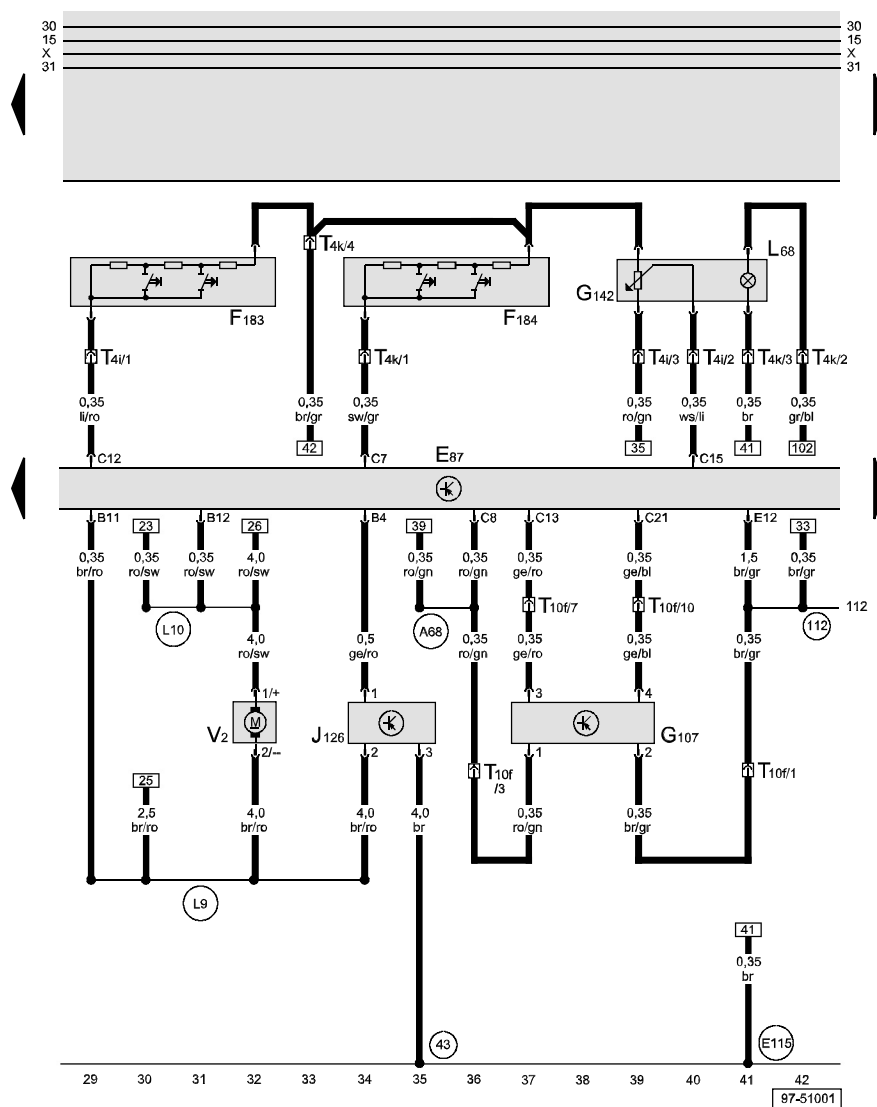
- C20 - Solar cells
- E87 - Control and display unit for air conditioner
- J309 - Solar cell isolation relay
- J347 - Ultra-sonic sensor control unit
- J355 - Solar operation control unit
- N175 - Heat regulation valve, left
- N176 - Heat regulation valve, right
- S25 - Hot air blower single fuse
- T1h - Single connector, yellow, electronics box in footwell, front right
- T1i - Single connector, yellow, electronics box in footwell, front right
- T2u - 2-pin connector, black, electronics box in footwell, front right
- T3q - 3-pin connector, brown, in plenum chamber, left
- V50 - Coolant circulation pump
- A1 - Positive (+) connection (30a), in dash panel wiring harness
- L2 - Connection, in air conditioner wiring harness
- * - Models without solar roof
- ** - Models with solar roof
- *** - Models with auxiliary heater

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Current Flow Diagram

No. 75 / 4



Control and display unit for air conditioner, central vent potentiometer, sunlight penetration photo sensor, fresh air blower

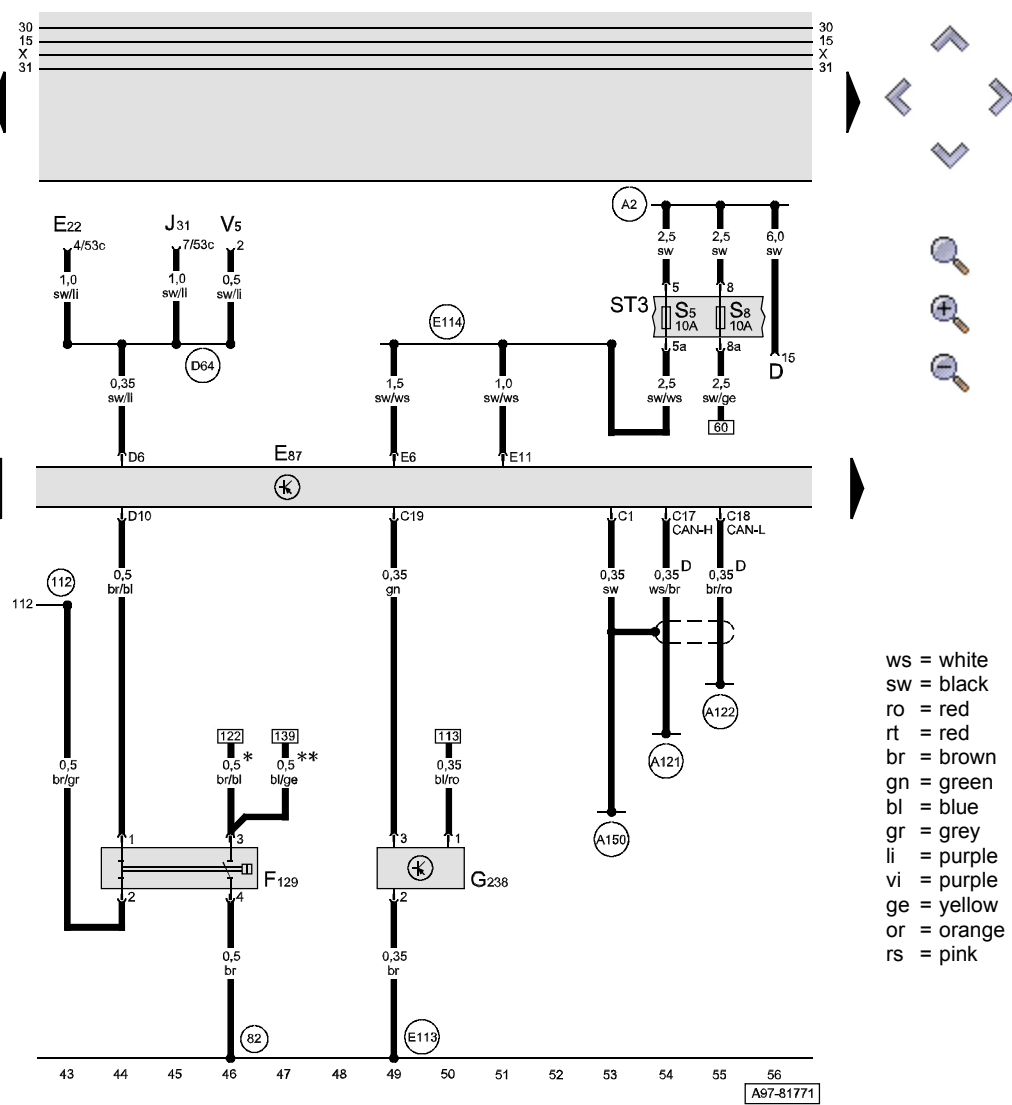
- E87 - Control and display unit for air conditioner
- F183 - Left central vent switch
- F184 - Right central vent switch
- G107 - Sunlight penetration photo sensor
- G142 - Central vent potentiometer
- J126 - Fresh air blower control unit
- L68 - Dash panel central vent illumination
- T4i - 4-pin connector, black, near central vent, left
- T4k - 4-pin connector, red, near central vent, right
- T10f - 10-pin connector, purple, footwell, right, at wheelhouse, behind carpet
- V2 - Fresh air blower
- 43 - Earth point, lower part of right A-pillar
- 112 - Earth connection -2-, in air conditioner wiring harness
- A68 - Connection (C8, air conditioner), in dash panel wiring harness
- E115 - Earth connection (centre console), in dash panel wiring harness
- L9 - Connection -1-, in air conditioner wiring harness
- L10 - Connection -2-, in air conditioner wiring harness

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Current Flow Diagram

No. 75 / 5



Control and display unit for air conditioner, air conditioner pressure switch, air quality sensor

- D - Ignition/starter switch
- E22 - Intermittent wiper switch
- E87 - Control and display unit for air conditioner
- F129 - Air conditioner pressure switch
- G238 - Air quality sensor
- J31 - Automatic intermittent wash/wipe relay
- S5 - Fuse in fuse carrier
- S8 - Fuse in fuse carrier
- V5 - Windscreen washer pump
- 82 - Earth connection -1-, in front left wiring harness
- 112 - Earth connection -2-, in air conditioner wiring harness
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- A150 - Connection (data bus, screening), in dash panel wiring harness
- D64 - Positive (+) connection (53c), in engine compartment wiring harness
- E113 - Earth connection, in dash panel wiring harness, right
- E114 - Connection (air conditioner - 15a), in dash panel wiring harness
- - CAN bus (data wire)
- * - Models with petrol engines
- ** - Models with diesel engines

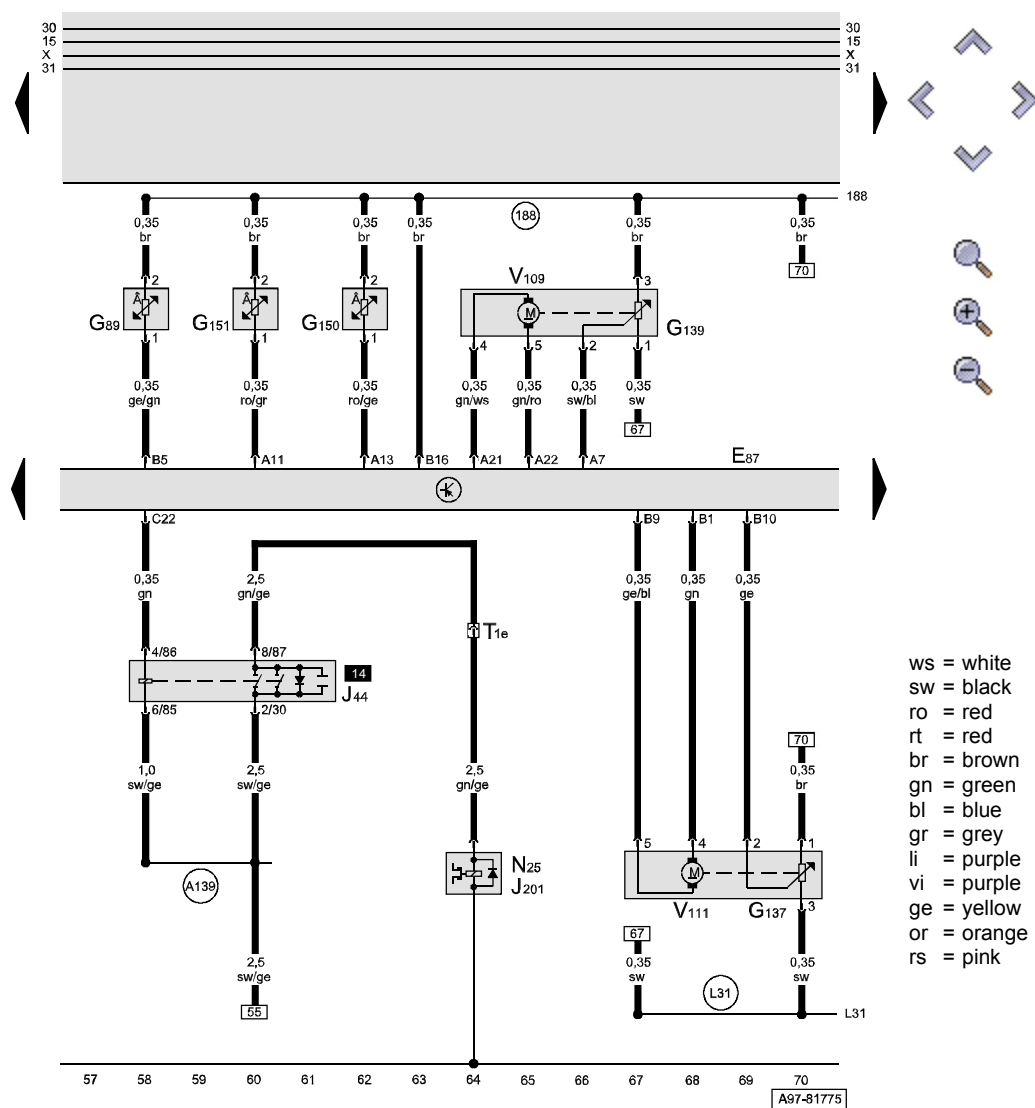
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Current Flow Diagram

No. 75 / 6



Control and display unit for air conditioner, magnetic coupling relay, vent temperature senders

- E87 - Control and display unit for air conditioner
- G89 - Fresh air intake duct temperature sensor
- G137 - Control motor potentiometer, right central vent
- G139 - Control motor potentiometer, left footwell flap
- G150 - Left vent temperature sender
- G151 - Right vent temperature sender
- J44 - Magnetic coupling relay
- J201 - Protective diode
- N25 - Air conditioning system magnetic coupling
- T1e - Single connector, green, near compressor
- V109 - Footwell flap control motor, right
- V111 - Centre vent control motor, right
- 188 - Earth connection -3-, in air conditioner wiring harness
- A139 - Connection -3- (15), in dash panel wiring harness
- L31 - Connection (5V), in air conditioner wiring harness

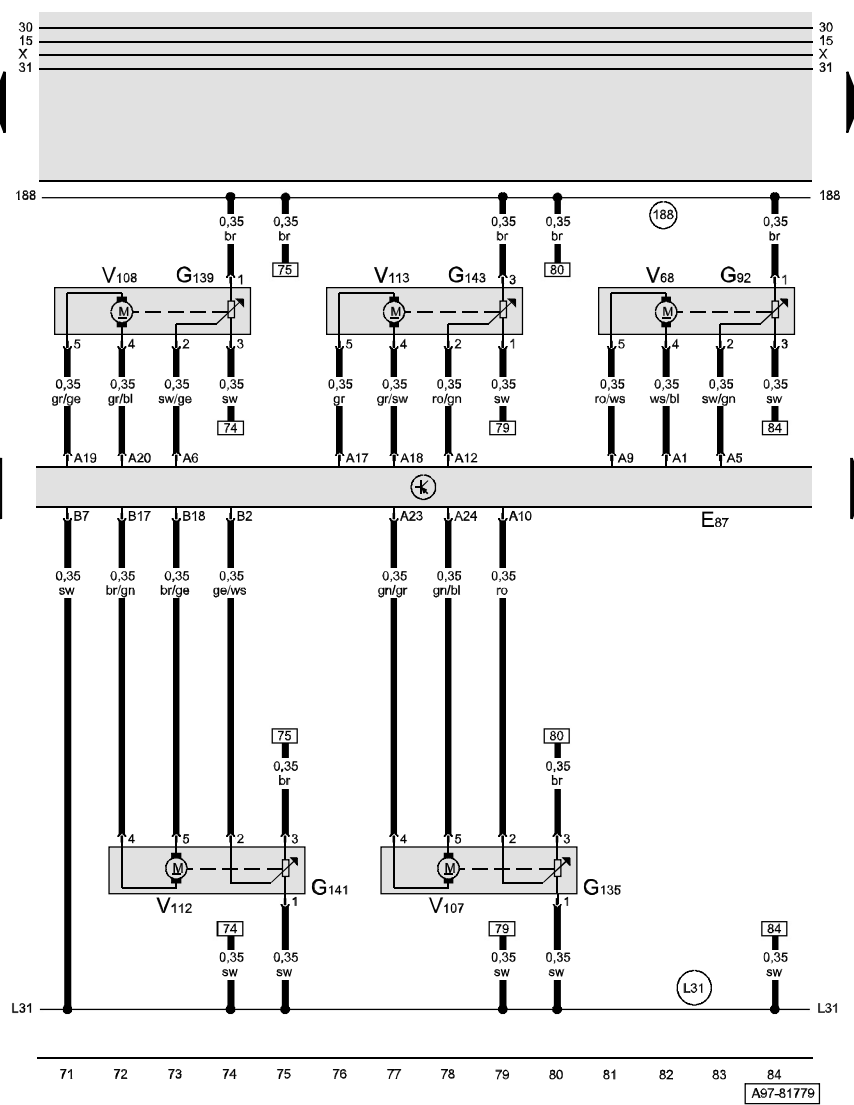
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Current Flow Diagram

No. 75 / 7



Control and display unit for air conditioner, left footwell flap control motor, rear footwell vent control motor

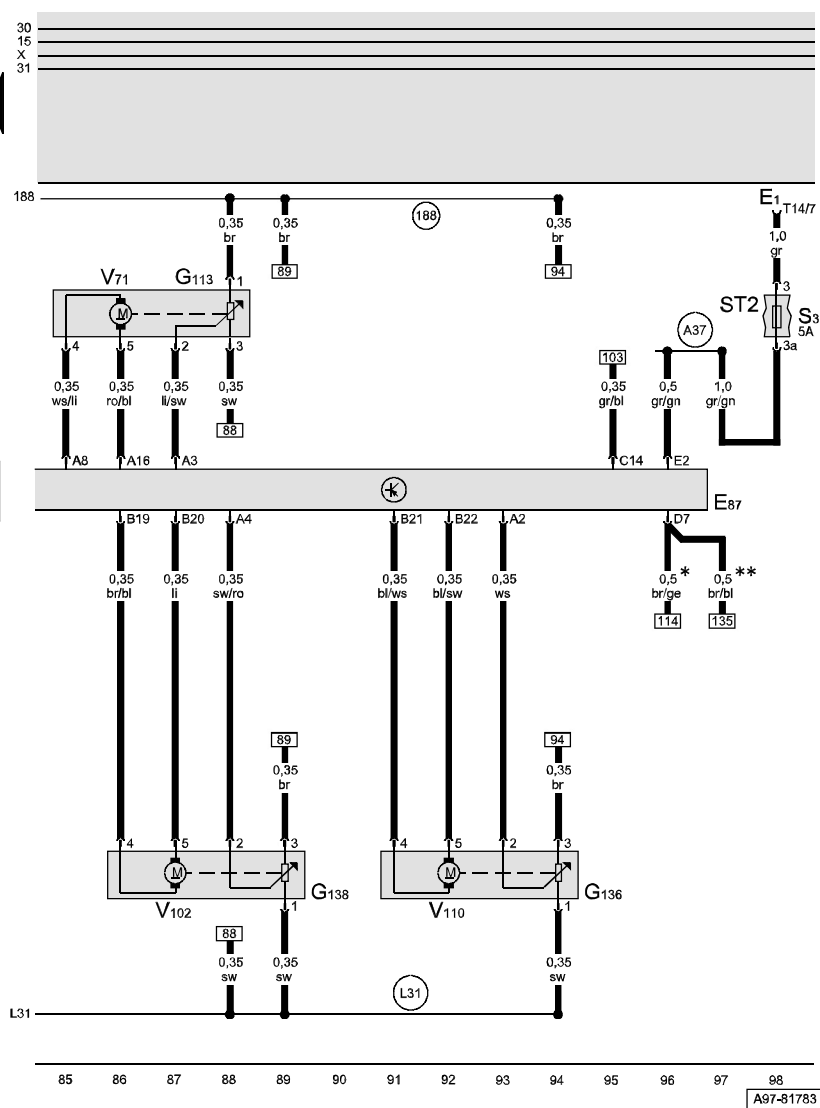
- E87 - Control and display unit for air conditioner
- G92 - Control motor potentiometer, temperature flap
- G135 - Control motor potentiometer, defroster flap
- G139 - Control motor potentiometer, left footwell flap
- G141 - Control motor potentiometer, rear footwell vent
- G143 - Control motor potentiometer, air recirculation flap
- V68 - Temperature flap control motor
- V107 - Defroster flap control motor
- V108 - Footwell flap control motor, left
- V112 - Rear footwell vent control motor
- V113 - Air recirculation flap control motor
- 188 - Earth connection -3-, in air conditioner wiring harness
- L31 - Connection (5V), in air conditioner wiring harness

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Current Flow Diagram

No. 75 / 8



Control and display unit for air conditioner, control motors for vents

- E1 - Lighting switch
- E87 - Control and display unit for air conditioner
- G113 - Control motor potentiometer, air flow flap
- G136 - Control motor potentiometer, left central vent
- G138 - Control motor potentiometer, central vent
- S3 - Fuse in fuse carrier
- T14 - 14-pin connector, purple, behind steering column switch trim
- V71 - Air flow flap control motor
- V102 - Centre vents control motor
- V110 - Centre vent control motor, left
- 188 - Earth connection -3-, in air conditioner wiring harness
- A37 - Connection (58a), in dash panel wiring harness
- L31 - Connection (5V), in air conditioner wiring harness
- * - Models with petrol engines
- ** - Models with diesel engines

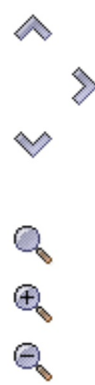
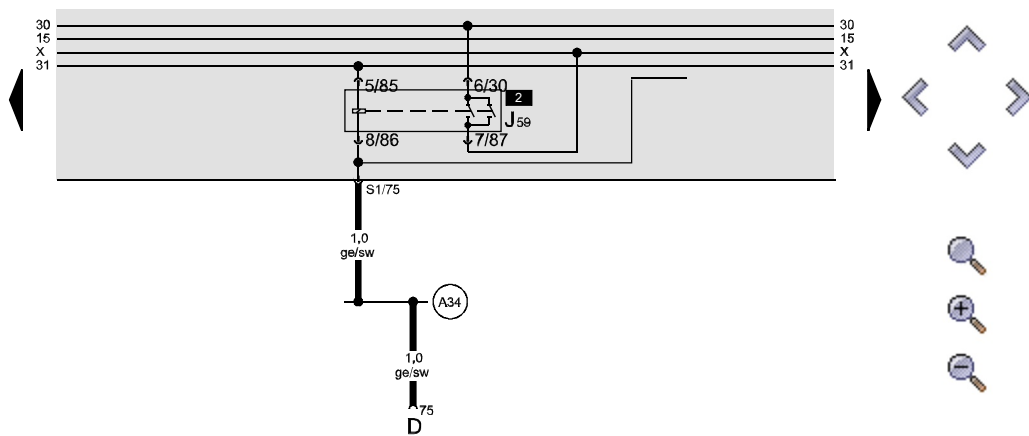
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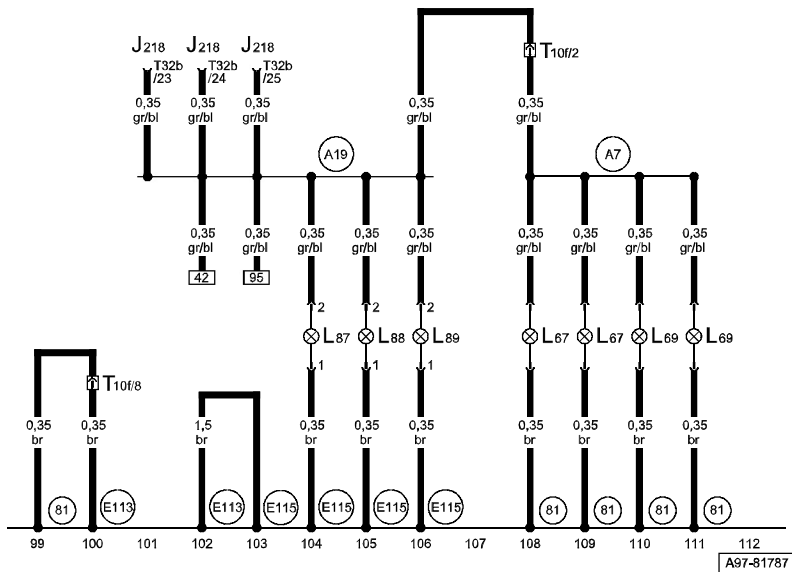
Current Flow Diagram

No. 75 / 9



Illumination for vents

- D - Ignition/starter switch
- J59 - X contact relief relay
- J218 - Combi-processor in dash panel insert
- L67 - Dash panel left vent illumination
- L69 - Dash panel right vent illumination
- L87 - Central rear vent illumination
- L88 - Rear left vent illumination
- L89 - Rear right vent illumination
- T10f - 10-pin connector, purple, footwell, right, at wheelhouse, behind carpet
- T32b - 32-pin connector, grey, on dash panel insert
- 81 - Earth connection -1-, in dash panel wiring harness
- A7 - Positive (+) connection (58s), in dash panel wiring harness
- A19 - Connection (58s), in dash panel wiring harness (switch illumination)
- A34 - Connection (75x), in dash panel wiring harness
- E113 - Earth connection, in dash panel wiring harness, right
- E115 - Earth connection (centre console), in dash panel wiring harness



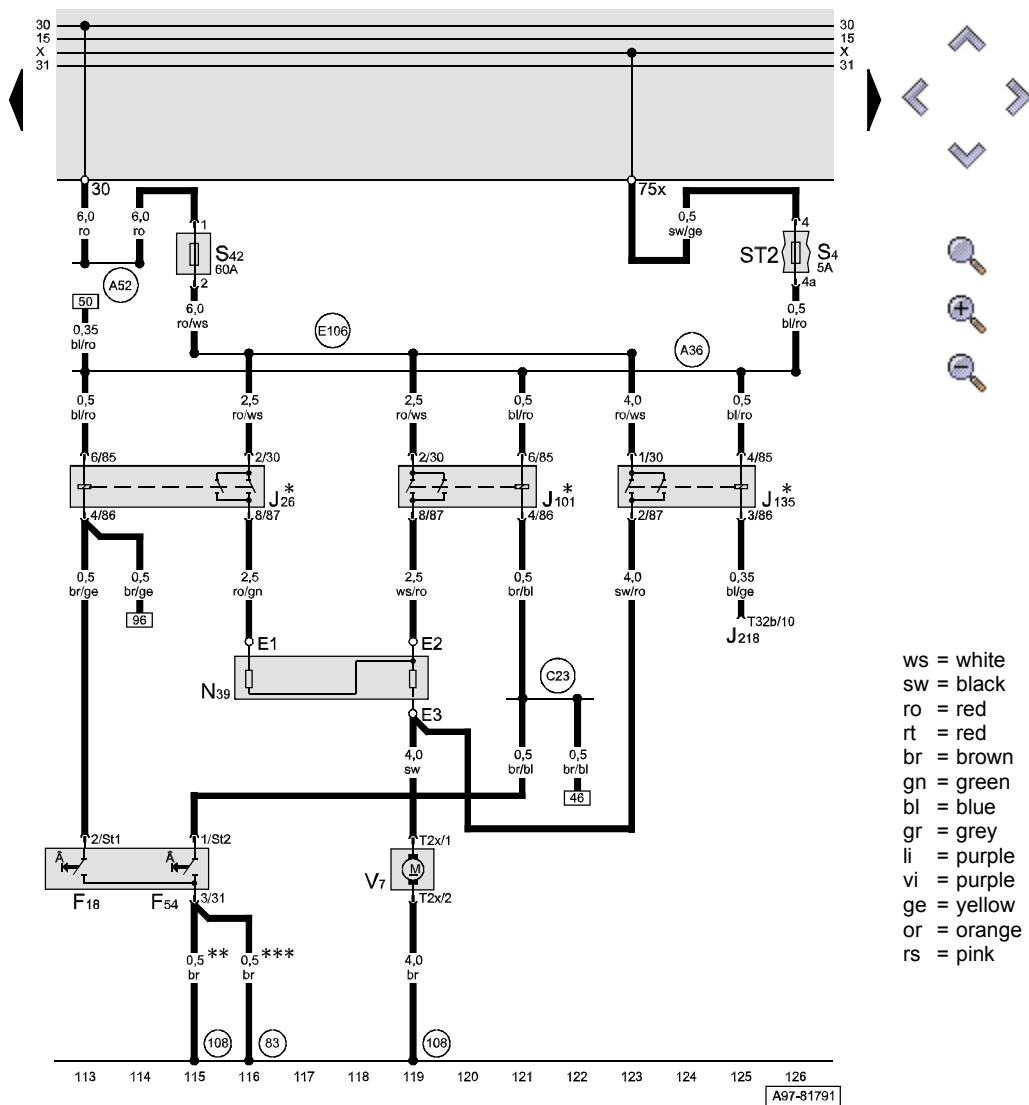
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Current Flow Diagram

No. 75 / 10



Engine cooling petrol engines

- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- J26 - Radiator fan relay
- J101 - Radiator fan 2nd speed relay
- J135 - Radiator fan 3rd speed relay
- J218 - Combi-processor in dash panel insert
- N39 - Radiator fan series resistor
- S4 - Fuse in fuse carrier
- S42 - Radiator fan single fuse
- T2x - 2-pin connector, brown, at radiator fan
- T32b - 32-pin connector, grey, on dash panel insert
- V7 - Radiator fan
- 83 - Earth connection -1-, in front right wiring harness
- 108 - Earth connection -2-, in front left wiring harness
- A36 - Connection (75a), in dash panel wiring harness
- A52 - Positive (+) connection -2- (30), in dash panel wiring harness
- C23 - Connection (radiator fan speed I), in headlight/air conditioner wiring harness
- E106 - Connection (30, radiator fan), in dash panel wiring harness
- * - Near ABS control unit
- ** - Models with 6-cylinder engines
- *** - Models with 8-cylinder engines

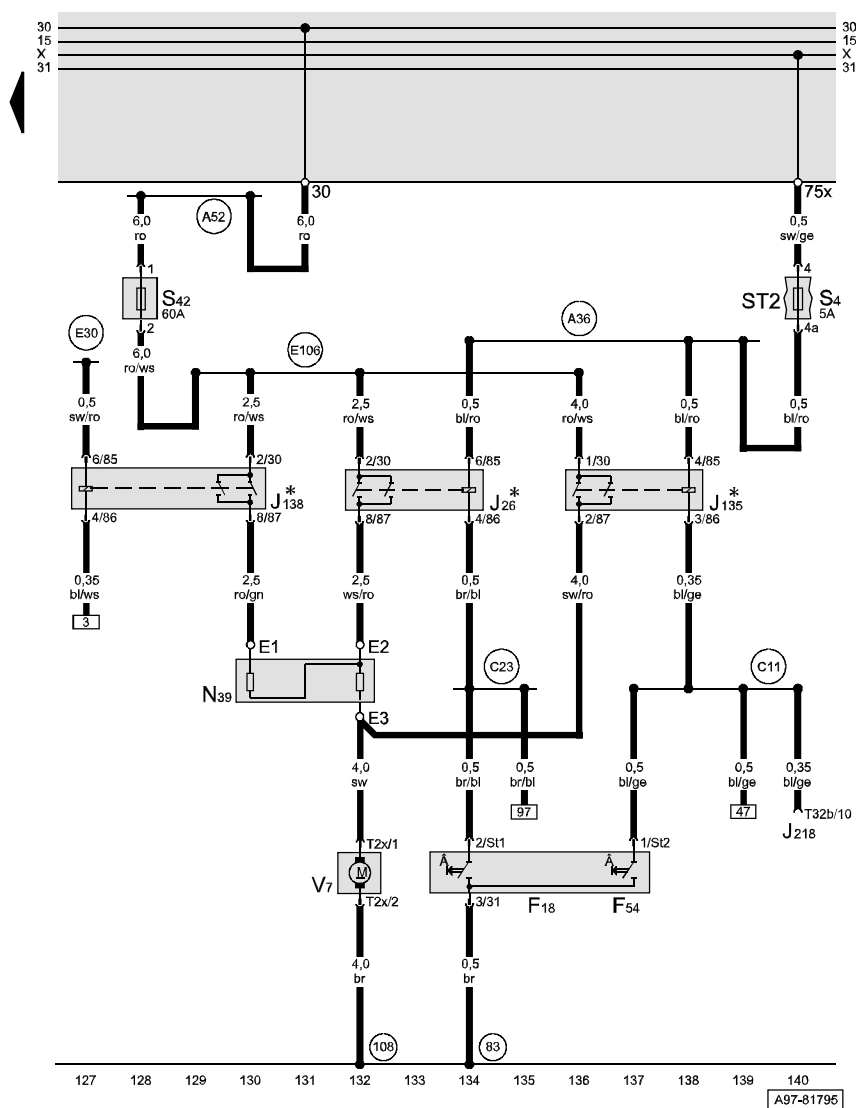
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Current Flow Diagram

No. 75 / 11



Engine cooling for diesel engines

- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- J26 - Radiator fan relay
- J135 - Radiator fan 3rd speed relay
- J138 - Radiator fan run-on relay
- J218 - Combi-processor in dash panel insert
- N39 - Radiator fan series resistor
- S4 - Fuse in fuse carrier
- S42 - Radiator fan single fuse
- T2x - 2-pin connector, brown, at radiator fan
- T32b - 32-pin connector, grey, on dash panel insert
- V7 - Radiator fan
- 83 - Earth connection -1-, in front right wiring harness
- 108 - Earth connection -2-, in front left wiring harness
- A36 - Connection (75a), in dash panel wiring harness
- A52 - Positive (+) connection -2- (30), in dash panel wiring harness
- C11 - Connection, in radiator fan wiring harness
- C23 - Connection (radiator fan speed I), in headlight/air conditioner wiring harness
- E30 - Connection (87a), in engine wiring harness
- E106 - Connection (30, radiator fan), in dash panel wiring harness
- * - Near ABS control unit

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