

Transporter

Current Flow Diagram

No. 35 / 1

Edition 04.1998

Air conditioning system

- 2.5 ltr./75 kW direct injection turbo diesel, engine code ACV, with manual gearbox
- 2.8 ltr./103 kW Motronic, engine code AES, with manual gearbox

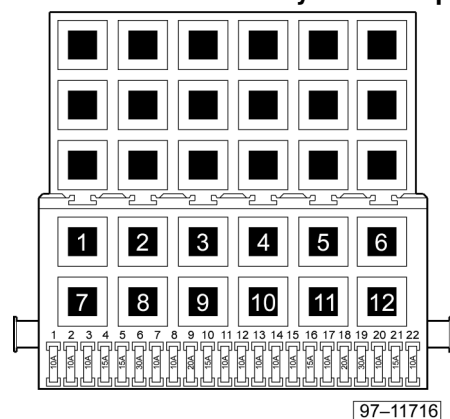
From January 1996

Air conditioning system

- 2.5 ltr./111 kW direct injection turbo diesel, engine code AHY, with manual gearbox
- 2.5 ltr./65 kW direct injection turbo diesel, engine code AJT, with manual gearbox

From May 1998

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



1 - Air conditioner relay (140)



Note!

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

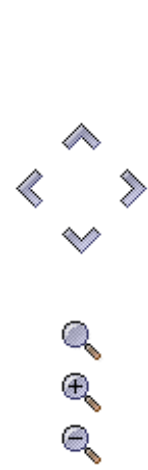
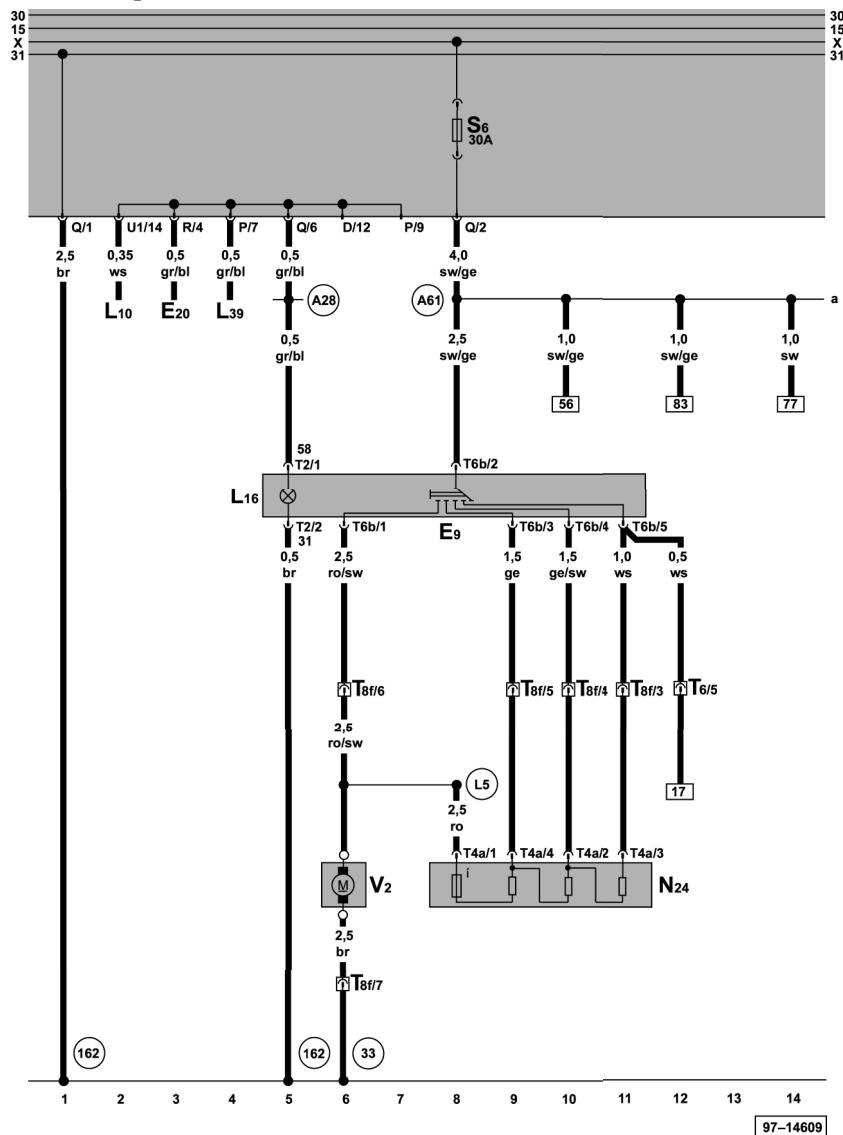
Fuse colours

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

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Current Flow Diagram

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Front fresh air blower

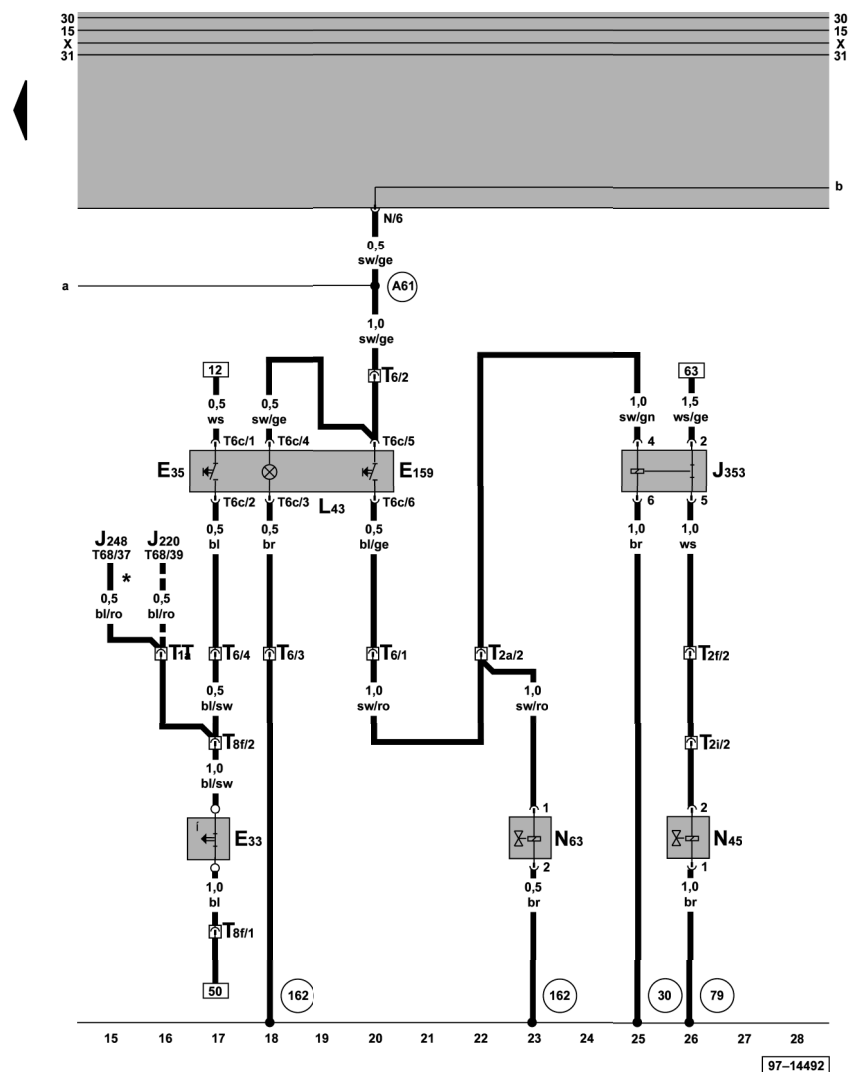
- E9 - Fresh air blower switch
- E20 - Switches and instruments - lighting control
- L10 - Dash panel insert light bulb
- L16 - Fresh air controls light bulb
- L39 - Heated rear window switch bulb
- N24 - Fresh air blower with overheating fuse series resistor
- T2 - 2-pin connector
- T4a - 4-pin connector
- T6 - 6-pin connector, centre behind dash panel
- T6b - 6-pin connector
- T8f - 8-pin connector, right behind dash panel
- V2 - Fresh air blower
- 33 - Earth point, behind dash panel, right
- 162 - Earth connection, in blower motor wiring harness
- A28 - Positive connection (58b), in fresh air blower wiring harness
- A61 - Positive connection (X), in instrument panel wiring harness
- L5 - Connection -1-, in evaporator housing unit wiring harness

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

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Current Flow Diagram

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

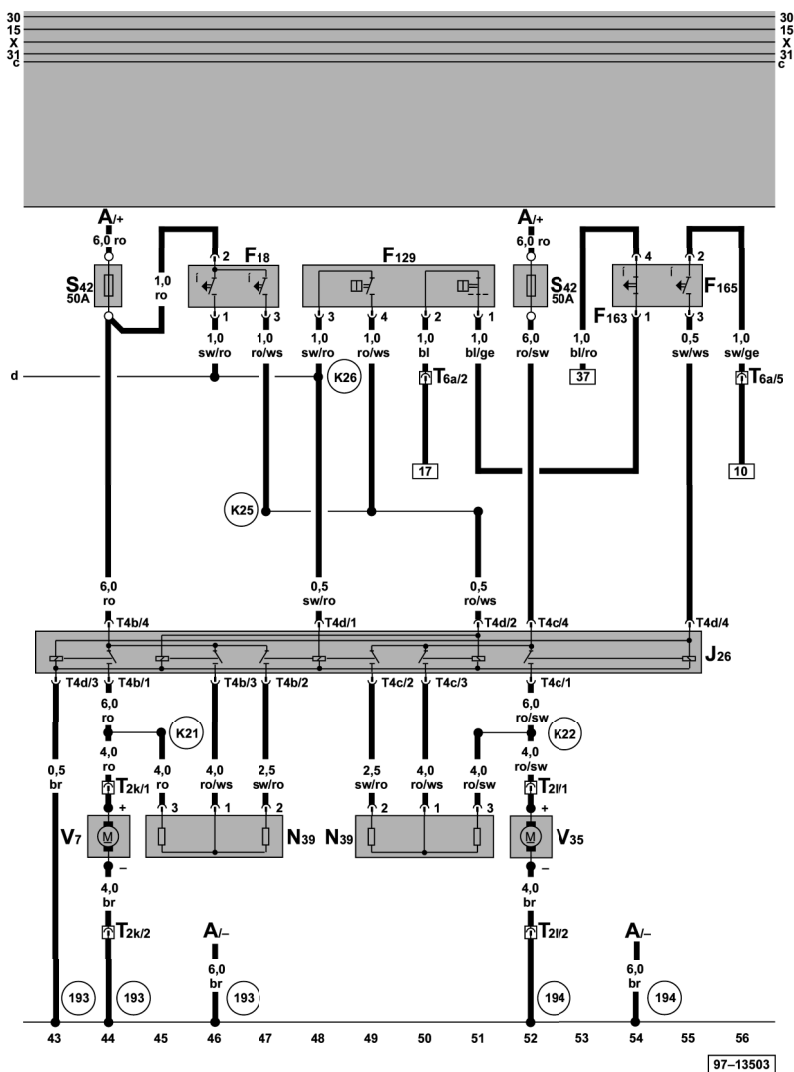
- Front and rear fresh and air recirculation flap activation**
- E33 - Temperature switch for evaporator
 - E35 - Air conditioner switch
 - E159 - Fresh air and air recirculation switch
 - J220 - Motronic control unit ('ready' signal)
 - J248 - Diesel direct injection system control unit ('ready' signal)
 - J353 - Rear fresh air/air recirculation flap relay, control number (94), behind dash panel
 - L43 - Air conditioning system switch light bulb
 - N45 - Rear fresh air/air recirculation flap two-way valve
 - N63 - Fresh and recirculation air flap two-way valve
 - T1a - Single connector, behind relay plate
 - T2a - 2-pin connector, behind relay plate
 - T2f - 2-pin connector
 - T2i - 2-pin connector
 - T6 - 6-pin connector
 - T6c - 6-pin connector
 - T8f - 8-pin connector, right behind dash panel
 - T68 - 68-pin connector
 - 30 - Earth point -1-, next to relay plate
 - 79 - Earth point, near D-pillar, right lower
 - 162 - Earth connection, in blower motor wiring harness
 - A61 - Positive connection (X), in instrument panel wiring harness
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Current Flow Diagram

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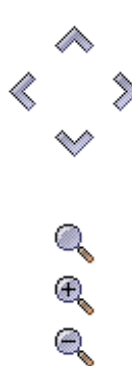
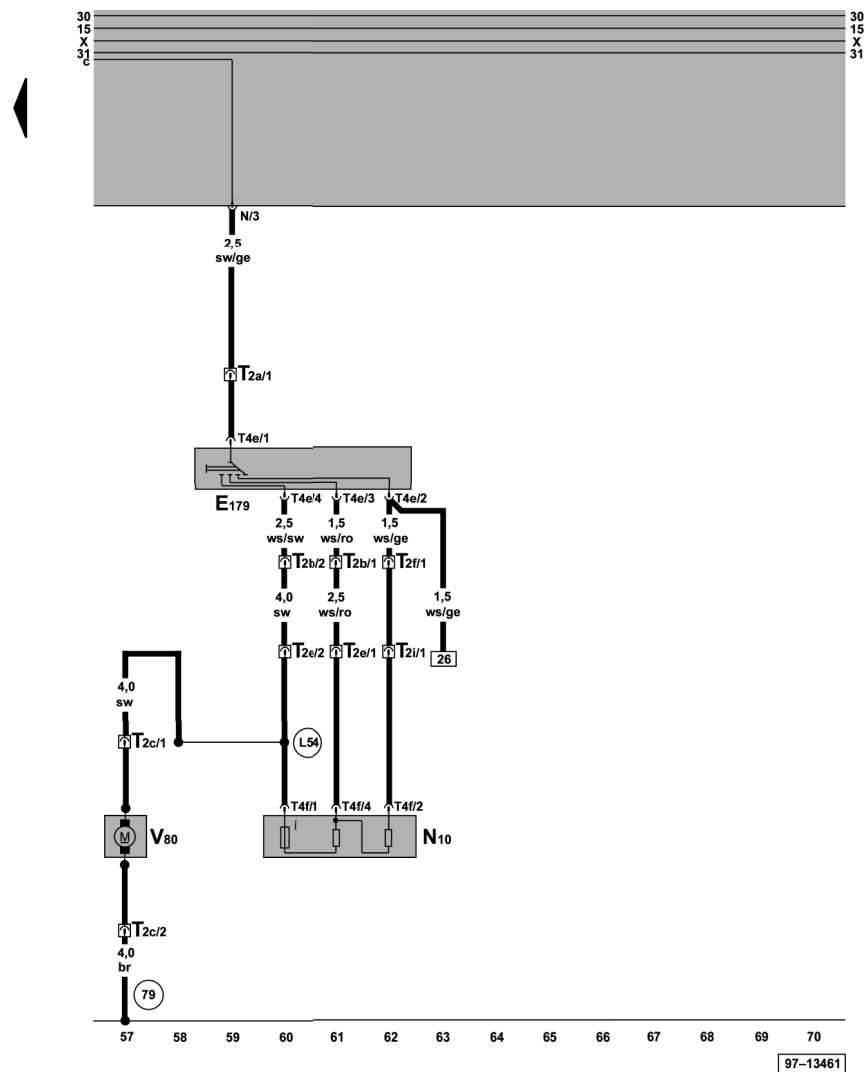
ws = white
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- Radiator fan, air conditioner pressure switch**
- A - Battery
 - F18 - Radiator fan thermo-switch
 - F129 - Air conditioner pressure switch
 - F163 - Air conditioner shut-off thermo-switch
 - F165 - Radiator fan thermo-switch, third speed
 - J26 - Radiator fan relay, front left in engine compartment
 - N39 - Radiator fan series resistor
 - S42 - Radiator fan single fuse, front left in engine compartment,
 - T2k - 2-pin connector
 - T2l - 2-pin connector
 - T4b - 4-pin connector
 - T4c - 4-pin connector
 - T4d - 4-pin connector
 - T6a - 6-pin connector, left in behind dash panel
 - V7 - Radiator fan (350 W)
 - V35 - Coolant fan, right (350 W)
 - 193 - Earth connection -1-, in coolant fan wiring harness
 - 194 - Earth connection -2-, in coolant fan wiring harness
 - K21 - Connection -1-, in radiator fan wiring harness
 - K22 - Connection -2-, in radiator fan wiring harness
 - K25 - Connection -4-, in radiator fan wiring harness
 - K26 - Connection -5-, in radiator fan wiring harness

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Current Flow Diagram

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

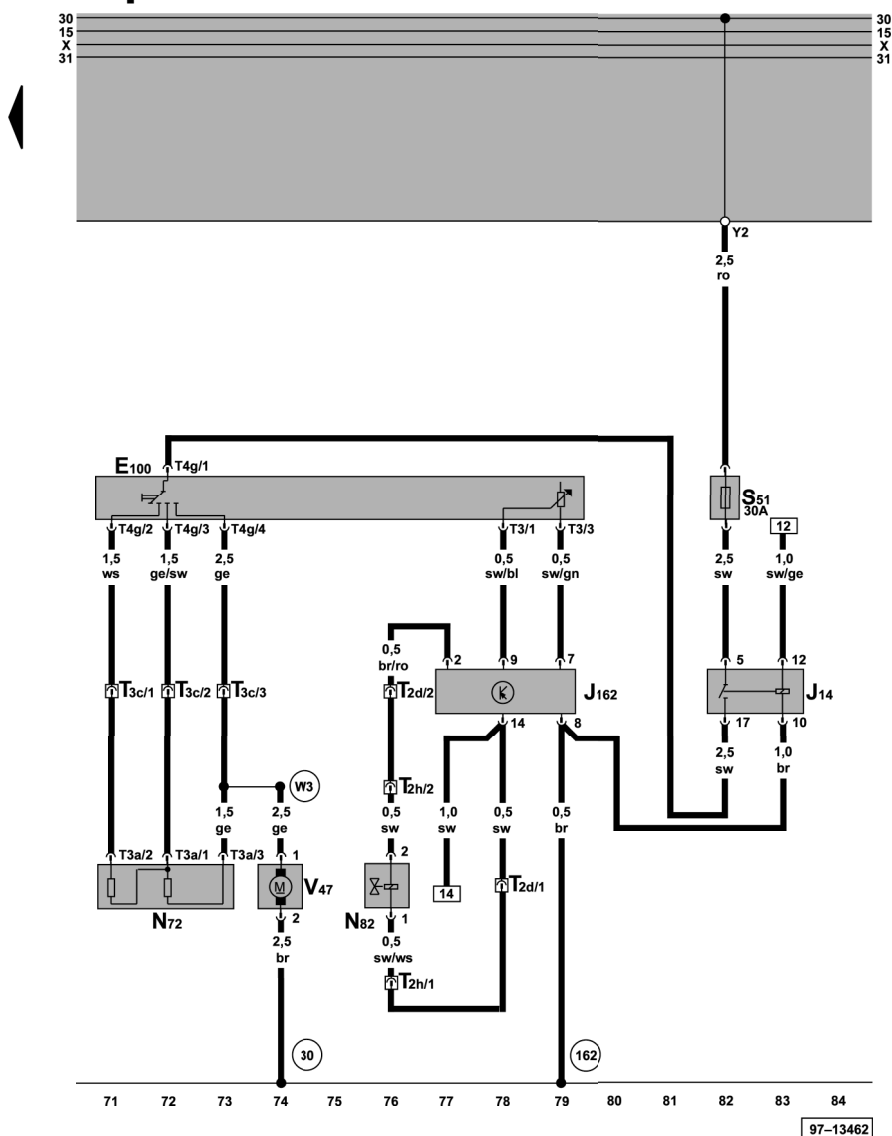
Rear fresh air blower

- E179 - Rear fresh air blower switch
- N10 - Series resistor for rear fresh air blower
- T2a - 2-pin connector, behind relay plate
- T2b - 2-pin connector, right behind dash panel
- T2c - 2-pin connector, right behind lower D-pillar trim
- T2e - 2-pin connector, right behind lower D-pillar trim
- T2f - 2-pin connector
- T2i - 2-pin connector
- T4e - 4-pin connector
- T4f - 4-pin connector
- V80 - Rear fresh air blower
- 79 - Earth point, near D-pillar, right lower
- L54 - Positive connection (3rd blower speed), in passenger compartment ventilation fan wiring harness

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Additional heat exchanger

- E100 - Warm air blower switch
- J14 - Warm air blower relay, control number (53), in centre behind dash panel
- J162 - Heater control unit, control number (152), in centre behind dash panel
- N72 - Series resistance for warm air blower
- N82 - Coolant cut-off valve
- S51 - Additional heat exchange fuse, under relay plate
- T2d - 2-pin connector, left behind dash panel
- T2h - 2-pin connector, in engine compartment left front
- T3 - 3-pin connector
- T3a - 3-pin connector
- T3c - 3-pin connector, behind relay plate
- T4g - 4-pin connector
- V47 - Rear warm air blower
- 30 - Earth point -1-, next to relay plate
- 162 - Earth connection, in blower motor wiring harness
- W3 - Connection in rear wiring harness

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 li = purple
 ge = yellow
 or = orange
 rs = pink