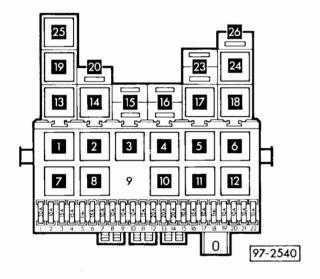
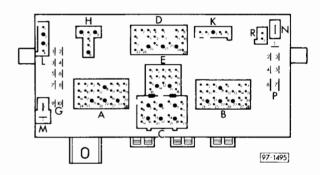
Water heater BBW 46 / DBW 46,

from July 1987

Relay locations



Connections



- A Multi-pin connector (blue) for dash panel wiring loom
- B Multi-pin connector (red) for dash panel wiring loom
- C Multi-pin connector (yellow) for front wiring loom
- D Multi-pin connector (white) for wiring loom, windscreen wipers and main wiring loom
- E Multi-pin connector (black) for main wiring loom
- G Single connector
- H Multi-pin connector (brown), connections 2nd stage relay for radiator fan
- Multi-pin connector (transparent), connections control unit for coolant shortage indicator
- Multi-pin connector (grey), connections -
- dual tone horn
- M Not in use
- N Single connector
- P Single connector terminal 30
- R -- Not in use

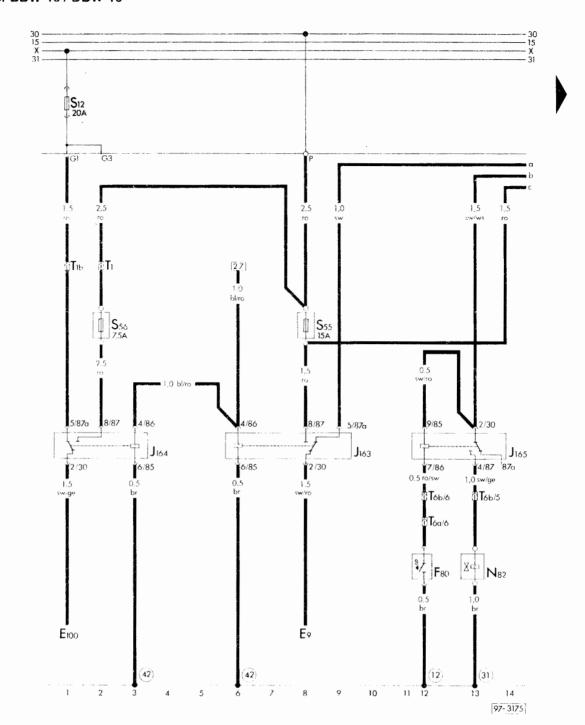
Fuse colours:

30 A - green

25 A — white 20 A — yellow 15 A — blue

10 A - red

Water heater BBW 46 / DBW 46



ws = white
ro = red
li = lilac
bl = blue
gr = grey
gn = green
br = brown
sw = black

T_{6b}

ge = yellow

E 9 — Fresh air blower switch
 E 100 — Switch for warm air blower
 F 80 — Thermoswitch for N82 (operating temperature, opens at approx. 55 °C)
 Petrol engine: on coolant circuit junction
 Diesel engine: on cylinder block (connection for small coolant circuit)

small coolant circuit)

J 163 — Fresh air blower relay behind dash panel, right

J 164 — Warm air blower behind dash panel, right

J 165 — Monovalve relay behind dash panel, right

N 82 — Monovalve in engine compartment

S 55, 56 — Single fuse behind dash panel, right

T 1 — Connector single behind dash panel, right

T 1 — Connector single next to relay plate

T 6a — Connector 6 pin in engine compartment, left

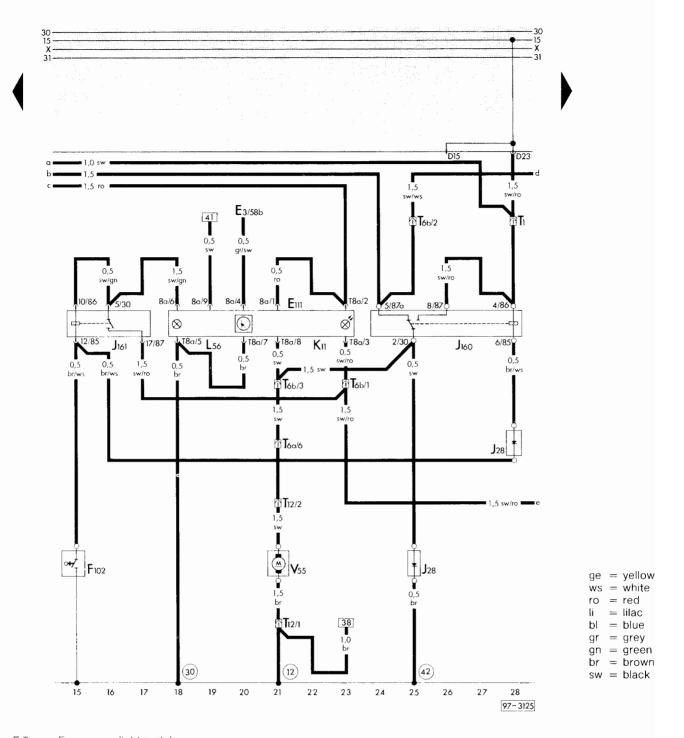
- Connector 6 pin next to relay plate

12) - Earth point, in engine compartment, left

(31) — Farth point, on dash panel insert

42) - Earth point, next to steering column

Water heater BBW 46/DBW 46



E3 - Emergency light switch

E 111 – Time preselection clock
F 102 – Heater control lever switch
J 28 – Blocking diode for heater

J 160 - Recirculating pump relay

J 161 — Time relay behind dash panel, right K 11 — Heater warning lamp; green

L 56 - Light

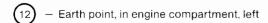
Connector single next to relay plate

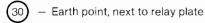
T 6a - Connector 6 pin, in engine compartment, left

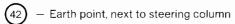
T 6b - Connector 6 pin, next to relay plate

- Connector 12 pin, on heater unit

Y 55 - Recirculating pump

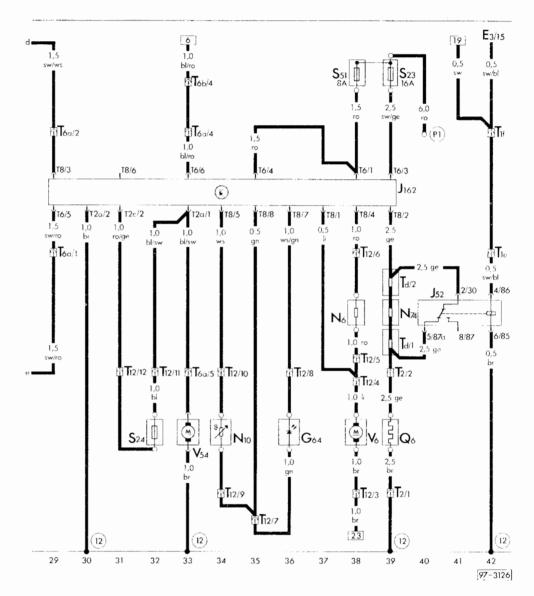






Water heater BBW 46 / DBW 46





ge = yellow
ws = white
ro = red
li = lilac
bl = blue
gr = grey
gn = green
br = brown

sw = black

E3 — Emergency light switch

G 64 — Flame detector

J 52 — Glow plug relay J 162 — Warm water heater control unit

N 6 - Series resistance

N 10 - Temperature sensor/air flow meter

N 74 — Series resistance

Q6 - Glow plug

S 23 - Main fuse/heater (16 Amp.) in junction box

S 24 -- Overheating fuse (8A)

S 51 — Fuse in junction box

T 1d - Connector single, in engine compartment

T 1e - Connector single, in engine compartment

T 1f — Connector single next to relay plate

T 2 — Connector 2 pin, on heater unit

T 6a - Connector 6 pin, in engine compartment, left

T 6b - Connector 6 pin, next to relay plate

T 12 - Connector 12 pin, on heater unit

V6 - Combustion air blower

V 54 - Metering pump

(12) - Earth point, in engine compartment, left

P1) - Positive (+) connection (30) in junction box - engine compartment