Transporter / Caravelle Carat
(2.1 litre / 82 kW – Fuel injection engine – Digjet),
Engine code letters DJ,
from August 1989

Relay locations

Connections

1  - Coolant shortage control unit (43)
2  - Radiator fan 2nd stage relay (53)
3  - Dual tone horn relay (53)
4  - Foglight relay (53)
5  - X-contact relay (15)
6  - Intermittent wash/wipe relay (19)
7  - Rear window wash/wipe relay (72)
8  - Emergency flasher relay (21) or emergency flasher relay for trailer operation (22)
9  - Rear foglight fuse

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, wipers and main wiring loom
E  - Multi-pin connector (black) for main wiring loom
F  - Single connector
G  - Multi-pin connector (brown), connections – 2nd stage relay for radiator fan
H  - Multi-pin connector (transparent), connections – control unit for coolant shortage indicator
I  - Multi-pin connector (grey), connections – dual horn system
J  - Not in use
K  - Single connector
L  - Single connector – terminal 30
M  - Not in use

Fuse colours:
30 A  - green
25 A  - white
20 A  - yellow
15 A  - blue
10 A  - red

The numbers in brackets behind the part designation refer to production control numbers stamped on the housing.

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Idling speed stabilization

- g6 = yellow
- ws = white
- rz = red
- li = blue
- gr = gray
- gn = green
- br = brown
- sw = black

F 88 — Pressure switch for PAS
J 442 — Control unit for idling speed stabilization, in engine compartment, right
N 71 — Control valve for idling speed stabilization
T 1b — Connector single, in engine compartment, right (air conditioner)
T 1g — Connector single, in engine compartment, left
T 2a — Connector 2 pin, behind relay plate (second battery)
T 2m — Connector 2 pin, in the relay plate — engine compartment
T 7a — Connector 7 pin, in junction box — engine compartment

10 — Earth point, on cylinder block

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Dash panel insert, coolant temperature and coolant shortage indicator (V.A.G 1466), senders

G — Fuel gauge sender
G 1 — Fuel gauge
G 2 — Coolant temperature gauge
G 3 — Coolant temperature gauge
G 32 — Coolant shortage indicator sender
J 6 — Voltage stabilizer
K 120 — Control unit for coolant shortage indicator
K 1 — Main beam warning lamp
K 5 — Turn signal warning lamp
K 26 — Warning lamp for coolant temperature/coolant shortage
L 8 — Clock light bulb
L 10 — Dash panel insert light bulb
T 7 L — Connector 7 pin, in junction box — engine compartment
T 7 W — Connector 7 pin, in junction box — engine compartment
T 14 — Connector 14 pin, on dash panel insert

10 — Earth point, in engine compartment, left
25 — Earth point, near fuel gauge sender
Switch off delay for interior lights (V.A.G 1466), luggage boot light

F 5 — Luggage boot light switch (tailgate)
F 7 — Door contact switch, rear (sliding door)
J 144 — Control unit for interior light delay under rear seat right
L 38 — Rear right cigarette lighter bulb
L 40 — Ashtray lighting bulb rear left
S 47 — Fuse for reading lamps under rear seat right
S 48 — Fuse for cigarette lighter under rear seat right
T 2h — Connector 2 pin, under rear seat, centre
T 2c — Connector 3 pin, under rear seat, right
T 3d — Connector 3 pin, under rear seat, right
T 3e — Connector 3 pin, under rear seat, right
T 3f — Connector 3 pin, behind left hand side panel
U 7 — Cigarette lighter, rear right
W 3 — Luggage boot light, right
W 18 — Boot light, left
W 23 — Sill panel light with switch-off delay

ge = yellow
ws = white
ro = red
f = blue
br = blue
gn = green
br = brown
sw = black

W 24 — Reading lamp — Pull out table

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Lighting switch, instrument lighting, number plate light

- Lighting switch
- Parking light switch
- Instrument/dash panel lighting control
- Relay relay for a contact
- Lighting switch light bulb
- Connector 2 pin, in junction box = engine compartment
- Number plate light

01 - Earth connection, in dash panel wiring loom
A2 - Positive (+) connection (S8b), in dash panel wiring loom

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Turn signals and emergency light systems

E 2  – Turn signal switch
E 3  – Emergency light switch
J 2  – Emergency light relay
K 6  – Emergency light system warning lamp
M 5  – Front left turn signal bulb
M 6  – Rear left turn signal bulb
M 7  – Front right turn signal bulb
M 8  – Rear right turn signal bulb
T 7/1 – Connector 7 pin, in junction box – engine compartment

03 – Earth point, next to relay plate
04 – Earth connection, in dash panel wiring loom
05 – Earth point, left tail light bulb holder
06 – Earth point, right tail light bulb holder
Brake lights, reversing light, dual tone horn system (V.A.G 1466)

- F - Brake light switch
- F 4 - Reversing light switch
- H - Horn plate
- J 4 - Dual tone horn relay
- M 9 - Brake light bulb, left
- M 10 - Brake light bulb, right
- M 16 - Reversing light bulb left
- M 17 - Reversing light bulb right
- T 2g - Connector 2 pin behind dash panel
- T 2h - Connector 2 pin, near dual tone horn
- T 7f - Connector 7 pin in junction box - engine compartment

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ge = yellow
ws = white
ro = red
bl = black
gr = grey
grn = green
br = brown
bw = black

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Fresh air blower, radiator fan (200/300 watt), warm air blower

E 9 — Fresh air blower switch
E 100 — Switch for warm air blower
F 18 — Radiator fan thermo switch
J 101 — Radiator fan 2nd stage relay
L 16 — Fresh air controls light bulb
L 50 — Bulb for warm air blower switch light
N 23 — Series resistance for fresh air blower
N 72 — Series resistance for warm air blower
S 24 — Overheating fuse
T 11 — Connector single, behind dash panel, left
T 3h — Connector 3 pin, behind upper air outlet trim
V 2 — Fresh air blower
V 7 — Radiator fan (200/300 Watt)
V 47 — Warm air blower

50 — Earth point, next to relay plate
61 — Earth connection in dash panel wiring loom
Windscreen wiper/washer system (V.A.G 1466)

E 22 - Intermittent wiper switch
J 31 - Intermittent wash/wipe relay
V  - Windscreen wiper motor
V 5 - Windscreen washer pump

5  - Earth point, next to relay plate

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Rear window wiper/washer system (V.A.G 1466), handbrake and brake fluid warning

F 9 — Handbrake warning system switch
F 34 — Brake fluid level warning contact
J 20 — Rear window wiper/washer relay
K 7 — Dual circuit brake and handbrake warning lamp
T 1w — Connector single, behind relay plate
T 2p — Connector 2 pin, in tailgate near wiper motor
T 2f — Connector 2 pin, behind right upper C-pillar trim
T 3a — Connector 3 pin, behind dash panel, right
T 3b — Connector 3 pin, behind dash panel, left
V 12 — Rear wiper motor
V 13 — Rear window washer pump

69 — Earth point, next to relay plate
68 — Earth point, next to water reservoir
67 — Earth point, near rear window wiper motor

g = yellow
ws = white
r = red
f = light blue
b = blue
g = grey
gr = green
br = brown
sw = blank

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