Transporter; base equipment
From May 1999

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

2 - Rear window wiper/washer relay (174)
4 - X contact relief relay (18)
8 - Automatic intermittent wash/wipe relay (99)
11 - Dual tone horn relay (53)
17 - X contact relief relay II (53)

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
Battery, ignition/starter switch, X contact relief relay II, fuses on fuse box/battery
A - Battery
B - Starter
D - Ignition/starter switch
J59 - X contact relief relay
J339 - X contact relief relay II, above the relay plate
SA1 - Fuse -1- on battery fuse box
SA2 - Fuse -2- on battery fuse box
SA3 - Fuse -3- on battery fuse box
SA4 - Fuse -4- on battery fuse box
SA5 - Fuse -5- on battery fuse box
SA6 - Fuse -6- on battery fuse box
SA7 - Fuse -7- on battery fuse box
SA8 - Fuse -8- on battery fuse box
T21 - 2-pin connector, behind relay plate
T3 - 3-pin connector
1 - Earth strap, battery - body
2 - Earth strap, gearbox - body
30 - Earth point -1-, next to relay plate
C10 - Positive (+) connection -1- (30), in headlight wiring harness

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

Current Flow Diagram

Fresh air blower, fresh air blower switch, fresh and recirculating air flap two-way valve, fresh air/air recirculating flap switch, glove box light

- E9 - Fresh air blower switch
- E159 - Fresh air/air recirculating flap switch
- J... - Engine control units
- K114 - Fresh air/air recirculation warning lamp
- L16 - Fresh air controls light bulb
- N24 - Fresh air blower with overheating fuse series resistor
- N63 - Fresh and recirculating air flap two-way valve
- T2u - 3-pin connector, behind dash panel, right
- T4a - 4-pin connector
- T5f - 5-pin connector
- T8a - 8-pin connector
- V2 - Fresh air blower
- W6 - Glove box light
- 33 - Earth point, behind dash panel, right
- 110 - Earth connection -2-, in instruments wiring harness
- A20 - Connection (15a), in dash panel wiring harness
- A61 - Positive (+) connection (X), in instruments wiring harness

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

Current Flow Diagram

Immobilizer, terminal for data bus, self-diagnosis connection

- D2 - Immobilizer reading coil
- J362 - Immobilizer control unit, behind dash panel insert, right
- J... - Engine control units
- T2c - Single connector, behind relay plate
- T1f - Single connector, behind relay plate
- T2n - 2-pin connector
- T2o - 2-pin connector
- T2p - 2-pin connector
- T2q - 2-pin connector
- T2r - 2-pin connector
- T2s - 2-pin connector
- T3e - 3-pin connector
- T8c - 8-pin connector, up to August 1999
- T10 - 10-pin connector, from September 1999
- T16 - 16-pin connector, behind steering column, self-diagnosis connection,
- TV4 - Terminal 15 junction box, black
- TV14 - Terminal for self-diagnosis, white
- TV16 - Terminal for data bus, No. 5 on relay location or behind relay plate*
- 32 - Earth point, behind dash panel, left
- 80 - Earth connection -1-, in dash panel wiring harness
- 110 - Earth connection -2-, in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- Only models from September 1999
- Does not apply to engine codes AAC, AET, AEU, AES, ABL, AJA
Dash panel insert, oil pressure and coolant warning, fuel gauge, rev. counter

- F1 - Oil pressure switch
- G1 - Fuel gauge
- G2 - Coolant temperature sender
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G32 - Coolant shortage indicator sender
- H3 - Buzzer/gong
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel insert*
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green

* - Does not apply to engine codes AAC, AET, AEU, AES, ABL, AJA
Transporter

Current Flow Diagram

No. 79 / 6

Dash panel insert, multi-function display, rear wiper switch, ambient temperature sensor

E34 - Rear wiper switch
E86 - Multi-function display call-up button
E109 - Multi-function display, memory switch
G - Fuel gauge sender
G17 - Ambient temperature sensor
J119 - Multi-function display
J285 - Control unit with display in dash panel insert
T5d - 5-pin connector, behind steering column switch trim
T32 - 32-pin connector, blue
T32a - 32-pin connector, green
Y2 - Digital clock
*
** - Only models with multi-function display
** - Only models without multi-function display

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

Dash panel insert, odometer display, turn signal warning lamps, alternator warning lamp, main beam warning lamp, rear fog light warning lamp

- C - Alternator
- J285 - Control unit with display in dash panel insert
- K1 - Main beam warning lamp
- K2 - Alternator warning lamp
- K13 - Rear fog light warning lamp
- K65 - Left turn signal warning lamp
- K94 - Right turn signal warning lamp
- T1 - Single connector, behind relay plate
- T1b - Single connector, near starter
- T1g - Single connector, behind relay plate
- T2g - 2-pin connector, behind relay plate
- T6a - 6-pin connector, behind relay plate
- T32 - 32-pin connector, blue
- Y4 - Odometer display

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

Current Flow Diagram

No. 79 / 8

Dash panel insert, brake lining/ pad wear
G34 - Brake lining/pad wear sender, front left**
G37 - Brake lining/pad wear sender, rear right
J104 - ABS with EDL control unit
J285 - Control unit with display in dash panel insert
K32 - Brake pad/lining warning lamp
K47 - ABS warning lamp
T1i - Single connector, behind relay plate
T2c - 2-pin connector
T2d - 2-pin connector
T2f - 2-pin connector
T31 - 31-pin connector, on ABS control unit
T32 - 32-pin connector, blue
T32a - 32-pin connector, green
C5 - Connection -1- (brake lining/ pad wear monitor), in front left wiring harness
C6 - Connection -2- (brake lining/ pad wear monitor), in front left wiring harness
* - Only models with ABS
--- - Only models without ABS
** - Models with 16-inch. running gear □ Current Flow Diagram
brake lining/ pad wear indicator No. 89/1

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

**Current Flow Diagram**

**No. 79 / 9**

**Dash panel insert, handbrake warning switch, brake fluid level warning contact, brake system warning lamp, speedometer**

- **F9** - Handbrake warning switch
- **F34** - Brake fluid level warning contact
- **G21** - Speedometer
- **G22** - Speedometer sender (Hall sender, on gearbox)
- **J234** - Airbag control unit
- **J285** - Control unit with display in dash panel insert
- **K75** - Airbag warning lamp
- **K118** - Brake system warning lamp
- **T1v** - Single connector, behind relay plate
- **T2i** - 2-pin connector, behind relay plate
- **T32** - 32-pin connector, blue
- **T32a** - 32-pin connector, green
- **T50** - 50-pin connector, on airbag control unit
- **TV13** - Terminal for speed signal, blue
- **30** - Earth point -1-, next to relay plate
- **81** - Earth connection -1-, in dash panel wiring harness (only models without ABS)
- **•••** - Only models without airbag

**Legend**

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

---

* - Only models with ABS
--- - Only models without ABS
••• - Only models without airbag
Transporter

Current Flow Diagram

Dash panel insert, connection for radio

J285 - Control unit with display in dash panel insert
L75 - Digital display illumination
R - Radio
SB9 - Fuse -9- in fuse box/relay plate, below the relay plate
T1s - Single connector, behind relay plate
T2 - 2-pin connector, behind relay plate, up to August 2000
T2z - 2-pin connector, behind relay plate
T4h - 4-pin connector, behind relay plate, from September 2000
T6a - 6-pin connector, behind relay plate
T8 - 8-pin connector, on radio
T32 - 32-pin connector, blue
T32a - 32-pin connector, green
45 - Earth point, behind dash panel - centre

* - Up to August 2000
--- - From September 2000

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
**Interior lights, door contact switch**

- **F2** - Door contact switch, driver's side
- **F3** - Door contact switch, front passenger's side
- **F7** - Rear right door contact switch (sliding door)
- **F160** - Rear left door contact switch (rear)
- **T1e** - Single connector, behind relay plate
- **T1h** - Single connector, behind dash panel, right
- **T1k** - Single connector, near right tail light
- **T2j** - 2-pin connector, near interior light, centre
- **TV17** - Terminal for door contact switch (with load), brown
- **TV25** - Terminal for door contact switch (no load), pink
- **W1** - Interior light, front
- **W7** - Interior light, centre
- **W13** - Front passenger reading lamp
- **W15** - Interior light with switch-off delay
- **30** - Earth point -1-, next to relay plate
- **128** - Earth connection -1-, in interior light wiring harness
- **R4** - Connection -1-, in interior light/door contact switch wiring harness
- **R6** - Positive (+) connection -1-, in interior light wiring harness

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

**Current Flow Diagram**

**Headlight range control, hazard warning light switch**
- E3: Hazard warning light switch
- E102: Headlight range control adjuster
- J1: Turn signal relay
- K6: Hazard warning light system warning lamp
- T2: 2-pin connector, behind relay plate, up to August 2000
- T3a: 3-pin connector
- T3b: 3-pin connector
- T3c: 3-pin connector, behind relay plate
- T4h: 4-pin connector, behind relay plate, from September 2000
- T6a: 6-pin connector, behind relay plate
- T8b: 8-pin connector
- V48: Headlight range control motor, left
- V49: Headlight range control motor, right
- 224: Earth connection, in lighting switch wiring harness
- A40: Positive (+) connection -1- (30), in instruments wiring harness

* - Up to August 2000
--- - From September 2000
Transporter

Current Flow Diagram

No. 79 / 13

Headlights (longer front send), front turn signal, side light

L1 - Twin filament bulb for headlight, left
L2 - Twin filament bulb for headlight, right
M1 - Side light bulb, left
M3 - Side light bulb, right
M5 - Turn signal bulb, front left
M7 - Turn signal bulb, front right
T2b - 2-pin connector, behind relay plate
T4c - 4-pin connector
T4d - 4-pin connector

119 - Earth connection -1-, in headlight wiring harness
120 - Earth connection -2-, in headlight wiring harness
C28 - Connection -1- (56b), in headlight wiring harness

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

Current Flow Diagram

Turn signal switch, headlight dipper/flasher switch, parking light switch
E2 - Turn signal switch
E4 - Headlight dipper/flasher switch
E19 - Parking light switch
T1a - Single connector, behind relay plate
T5b - 5-pin connector, behind steering column switch trim
T7a - 7-pin connector, behind steering column switch trim

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

Current Flow Diagram

No. 79 / 15

Cigarette lighter, brake light switch, reversing light switch

F - Brake light switch
F4 - Reversing light switch
L28 - Cigarette lighter light bulb
TV5 - Terminal 15a junction box, green, 4-pin and 8-pin
U1 - Cigarette lighter
A53 - Connection (58b), in dash panel wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Turn signal rear left, tail light left, reversing light left, brake light left, rear fog lights, high level brake light

L20 - Rear fog light bulb
M6 - Turn signal bulb, rear left
M16 - Reversing light bulb, left
M21 - Brake and tail light bulb, left
M25 - High level brake light bulb
T2k - 2-pin connector
T7b - 7-pin connector

- Earth point, near left tail light
- Earth point, left tail light bulb holder
Transporter

Current Flow Diagram

Rear right turn signal, tail light right, reversing light right, brake light right, number plate light

- M8 - Turn signal bulb, rear right
- M17 - Reversing light bulb, right
- M22 - Brake and tail light bulb, right
- T1w - Single connector, behind relay plate
- T4e - 4-pin connector, near right tail light
- T5 - 5-pin connector
- T7 - 7-pin connector
- X - Number plate light
- 60 - Earth point, -2-, near right tail light
- 64 - Earth point, right tail light bulb holder
- Q22 - Connection -1-, in tailgate/boot lid wiring harness

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

Current Flow Diagram

No. 79 / 18

Lighting switch, rear fog light switch, switches and instruments,
lighting control

E1 - Lighting switch
E18 - Rear fog light switch
E20 - Switches and instruments, lighting control
L9 - Lighting switch light bulb
T1m - Single connector, behind relay plate
T1n - Single connector, near right tail light
T3d - 3-pin connector, behind relay plate
T17 - 17-pin connector

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

Current Flow Diagram

No. 79 / 19

Heated rear window
E15 - Heated rear window switch
K10 - Heated rear window warning lamp
L39 - Heated rear window switch bulb
SB12 - Fuse -12- in fuse box/relay plate, below the relay plate
T1r - Single connector, behind relay plate
T1t - Single connector, behind relay plate
T3d - 3-pin connector, behind relay plate
T4e - 4-pin connector, near right tail light
T6 - 6-pin connector
TV8 - Terminal 58b junction box, grey
Z1 - Heated rear window

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 wash/wipe system

- E22 - Intermittent wiper switch
- J31 - Automatic intermittent wash/wipe relay
- T4b - 4-pin connector, behind steering column switch trim
- T5c - 5-pin connector, behind steering column switch trim
- V - Windscreen wiper motor
- 30 - Earth point -1-, next to relay plate
- C51 - Positive (+) connection (X), in windscreen wiper motor wiring harness

** - Only models without multi-function display
*** - Only models with ESP

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

Current Flow Diagram

No. 79 / 21

Rear window washer/wiper system (tailgate/boot), heated washer jets

- J30 - Rear window wiper/washer relay
- T1d - Single connector, on rear window wiper/washer relay
- T1y - Single connector, in tailgate/boot lid
- T2l - 2-pin connector, on bulkhead, right
- T4e - 4-pin connector, near right tail light
- TV18 - Terminal Xa junction box, lilac
- V12 - Rear window wiper motor
- V59 - Windscreens and rear window washer pump
- Z20 - Heater element, left washer jet
- Z21 - Heater element, right washer jet
- 60 - Earth point, -2-, near right tail light
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 261 - Earth connection, in heated washer jet wiring harness
- C53 - Positive (+) connection, in heated washer jet wiring harness

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

**Current Flow Diagram**

No. 79 / 22

**Dual tone horn, horn plate**
- F138 - Airbag coil connector/horn plate
- H - Horn plate
- H1 - Horn/dual tone horn
- J4 - Dual tone horn relay
- T2h - 2-pin connector, in engine compartment, front left
- T4g - 4-pin connector, behind steering column switch trim
- T5g - 5-pin connector
- T7a - 7-pin connector, behind steering column switch trim
- 129 - Earth connection, in dual tone horn wiring harness
- C13 - Positive (+) connection, dual tone horn wiring harness
- *** - Only models without ESP
- -*** - Only models with ESP

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