

Transporter

Current Flow Diagram

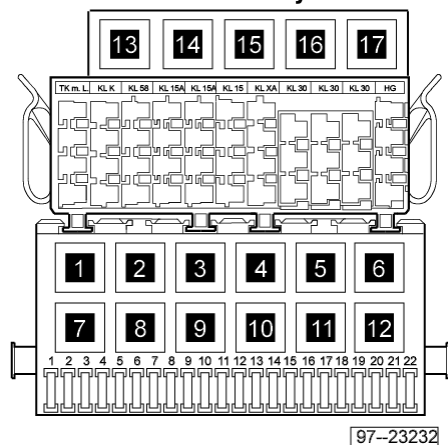
No. 79 / 1

Edition 05.2003

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.

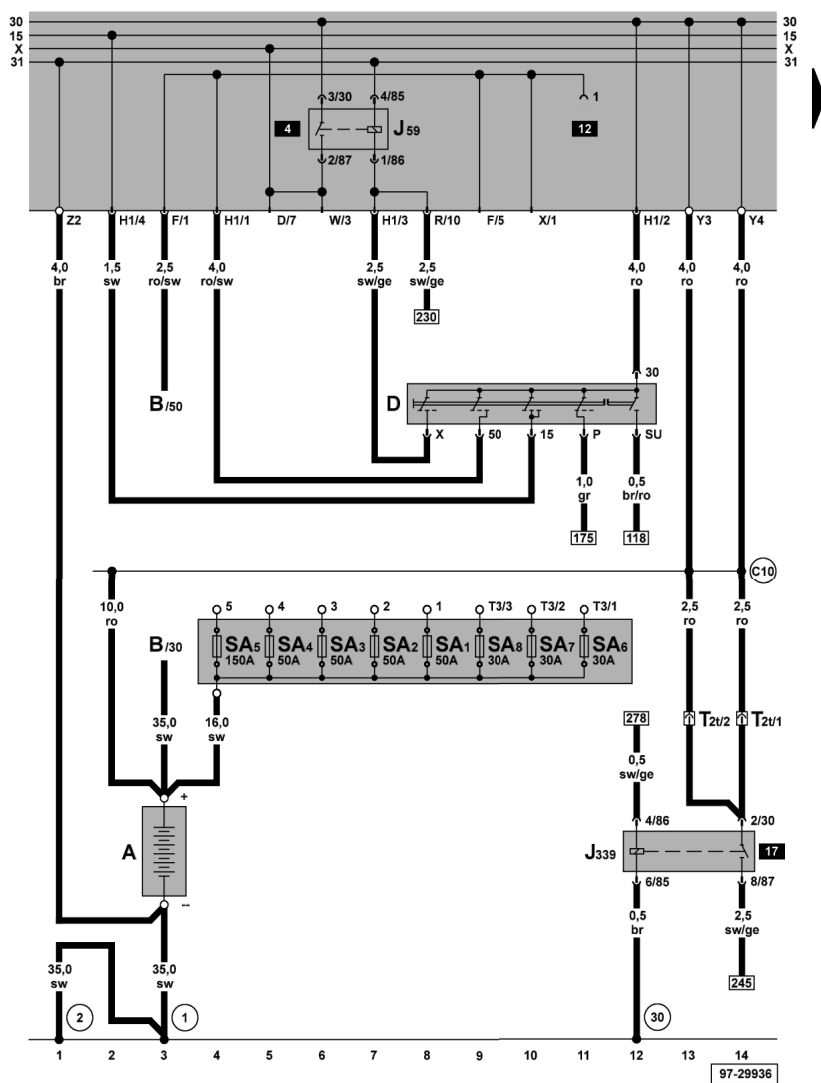
Fuse colours

- 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

Transporter

Current Flow Diagram

No. 79 / 2



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

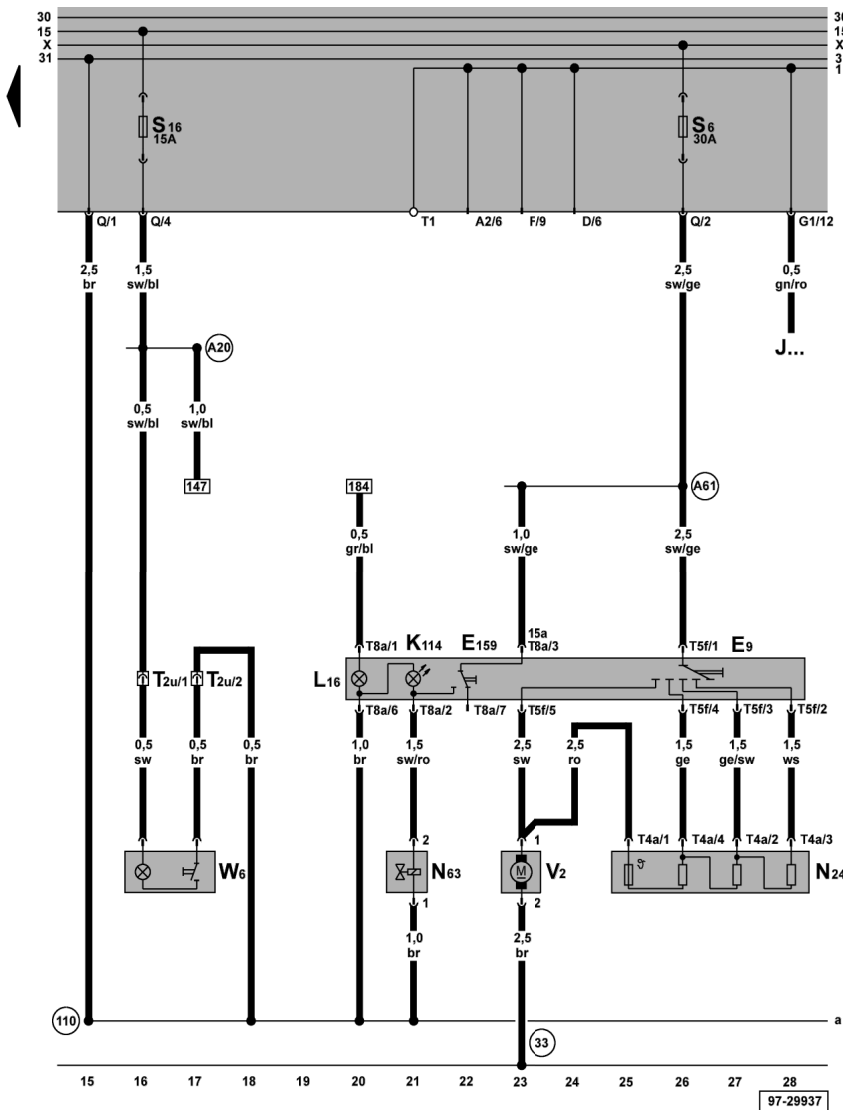
Battery, ignition/starter switch, X contact relief relay II, fuses on fuse box/battery

- 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
- T2t - 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

Transporter

Current Flow Diagram

No. 79 / 3



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

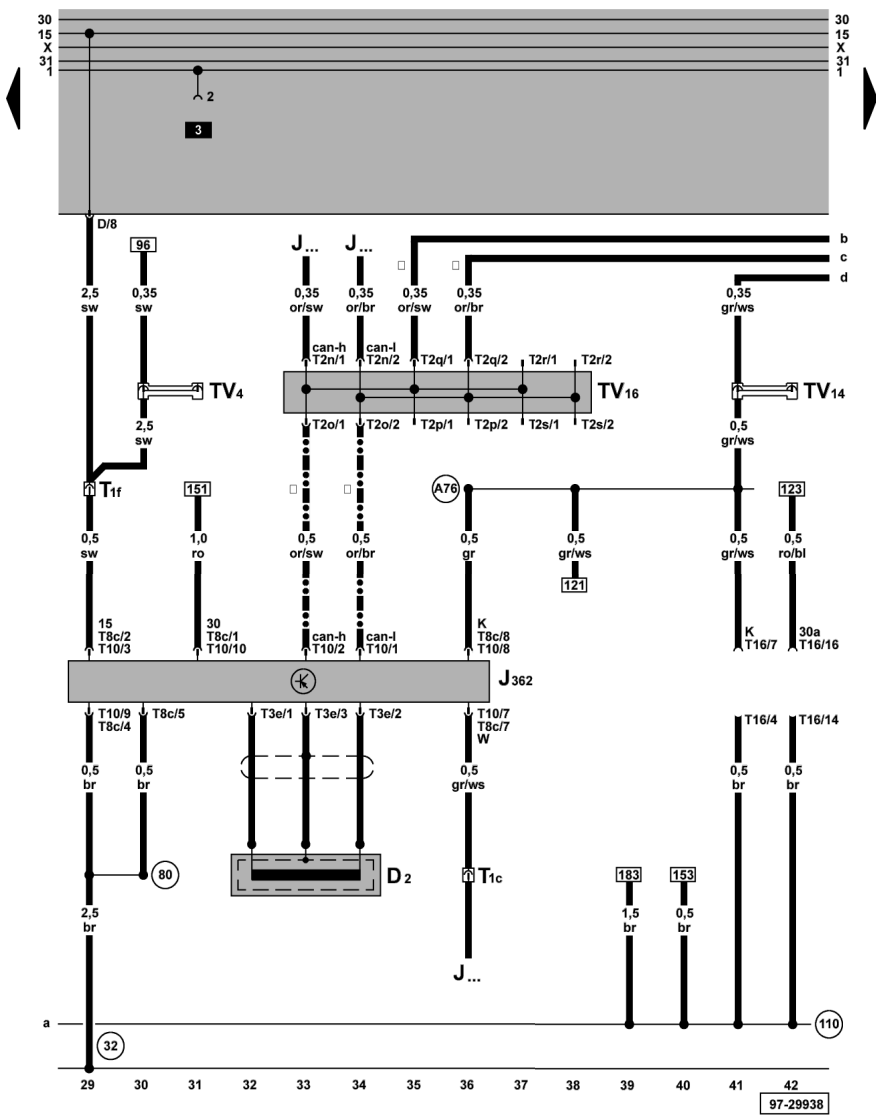
- E9 - Fresh air blower switch
- E159 - Fresh air/air recirculating flap switch
- J... - Engine control units
- K114 - Fresh air/air recirculation warning lamp
- L16 - Fresh air controls light bulb
- N24 - Fresh air blower with overheating fuse series resistor
- N63 - Fresh and recirculating air flap 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

No. 79 / 4



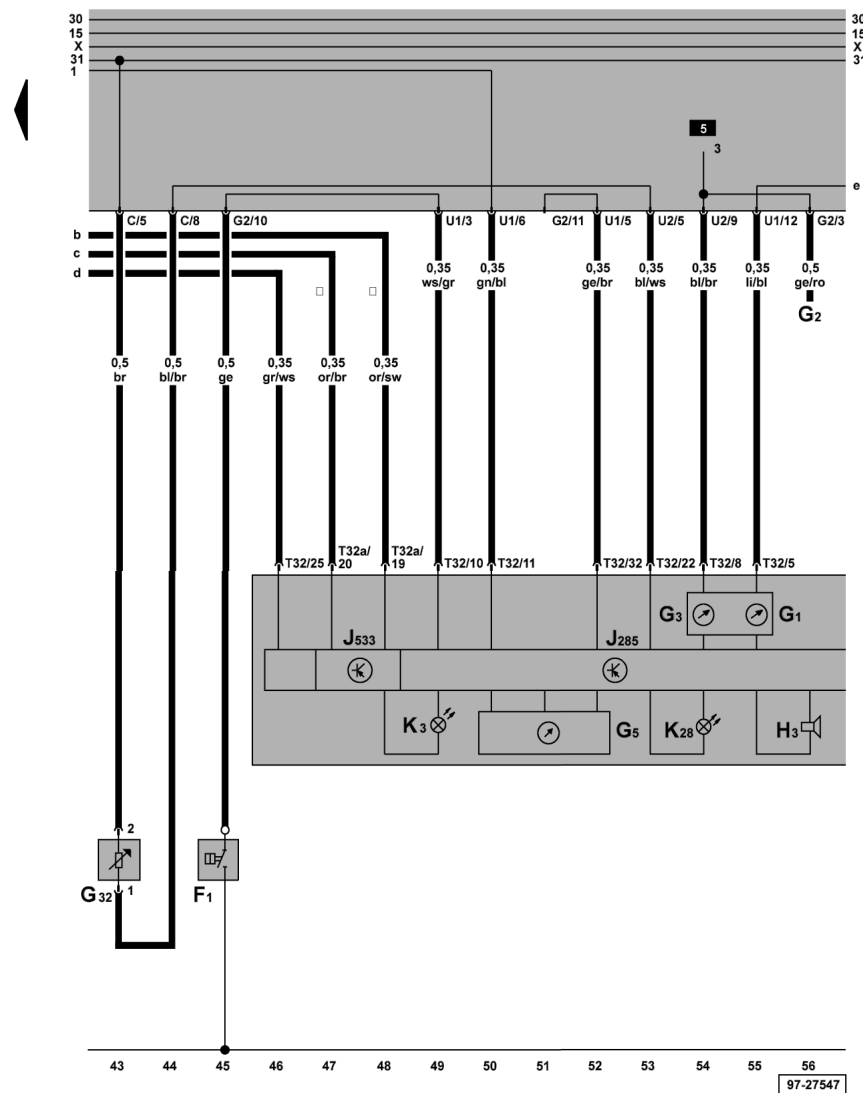
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

- 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

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Current Flow Diagram

No. 79 / 5



Dash panel insert, oil pressure and coolant warning, fuel gauge, rev. counter

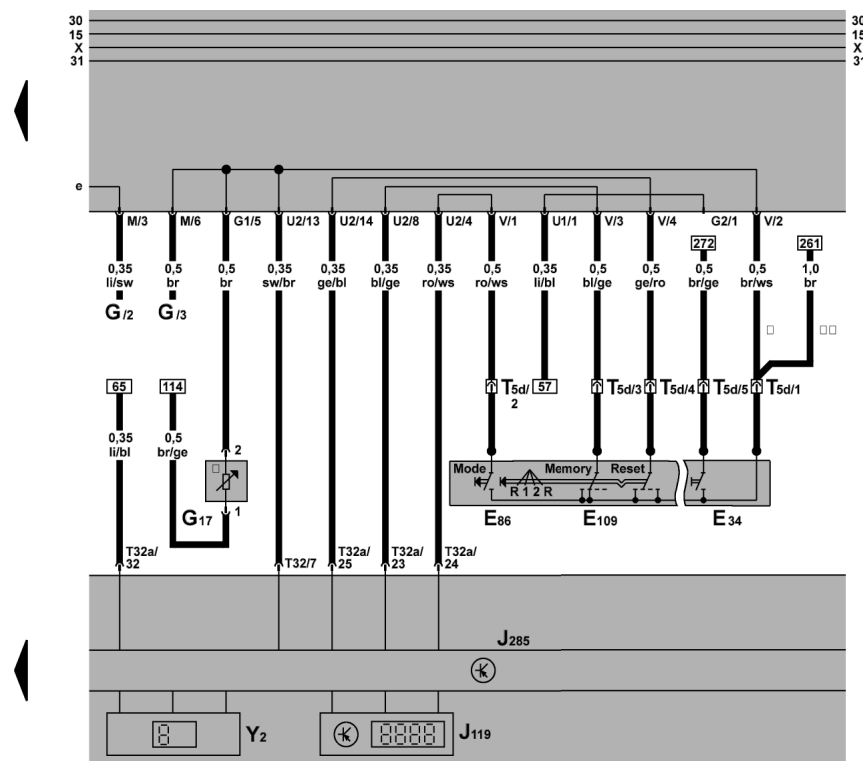
- F1 - Oil pressure switch
- G1 - Fuel gauge
- G2 - Coolant temperature sender
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G32 - Coolant shortage indicator sender
- H3 - Buzzer/gong
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel 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

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

No. 79 / 6



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

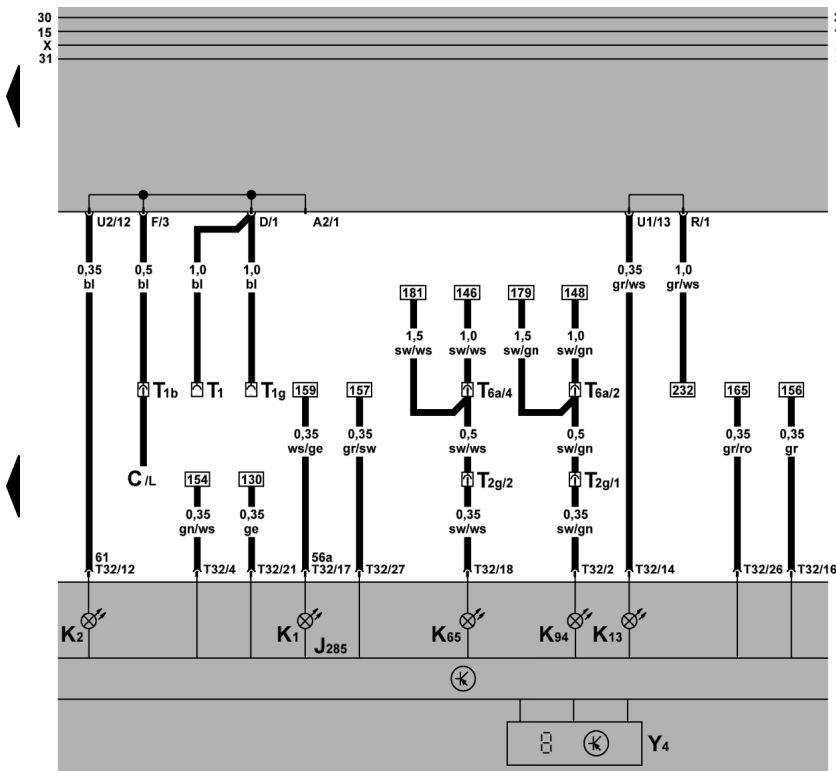
- E34 - Rear wiper switch
- E86 - Multi-function display call-up button
- E109 - Multi-function display, memory switch
- G - Fuel gauge sender
- G17 - Ambient temperature sensor
- J119 - Multi-function display
- J285 - Control unit with display in dash panel insert
- T5d - 5-pin connector, behind steering 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

Transporter

Current Flow Diagram

No. 79 / 7



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

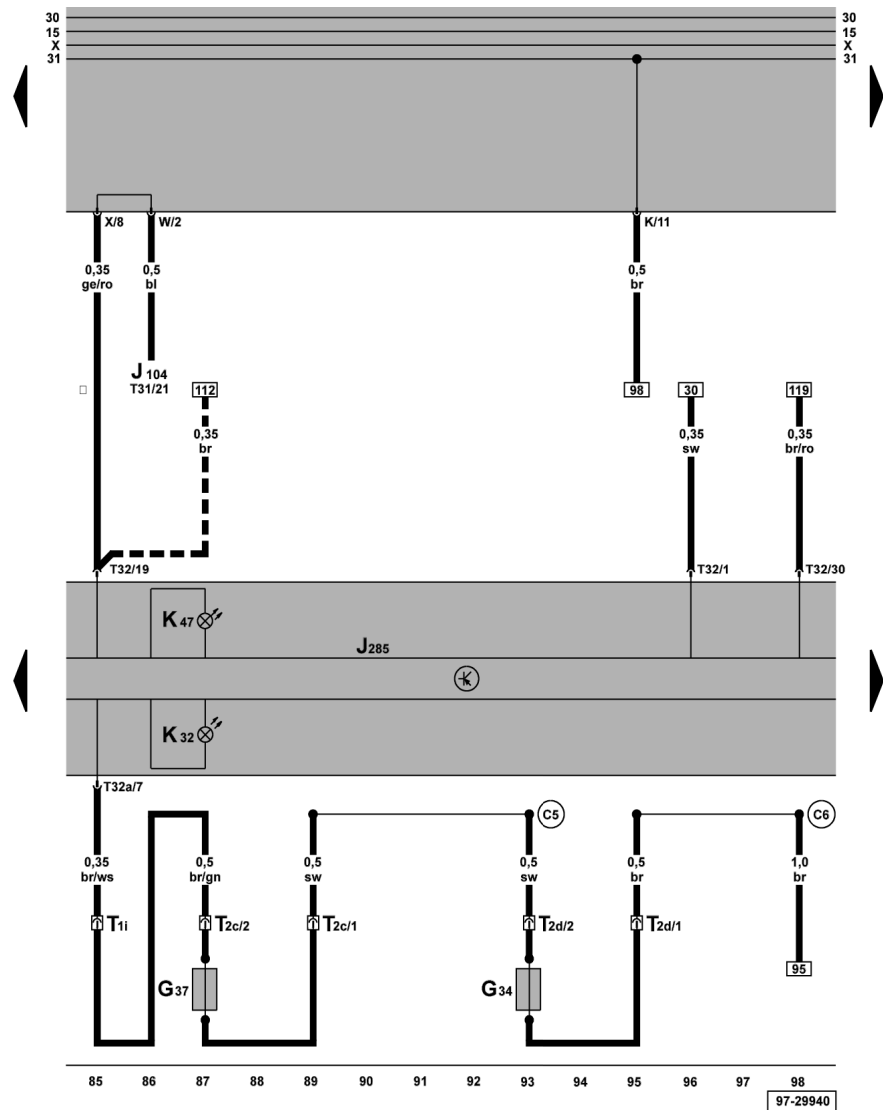
- C - Alternator
- J285 - Control unit with display in dash panel insert
- K1 - Main beam warning lamp
- K2 - Alternator warning lamp
- K13 - Rear fog light warning lamp
- K65 - Left turn signal warning lamp
- K94 - Right turn signal warning lamp
- T1 - Single connector, behind relay plate
- T1b - Single 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

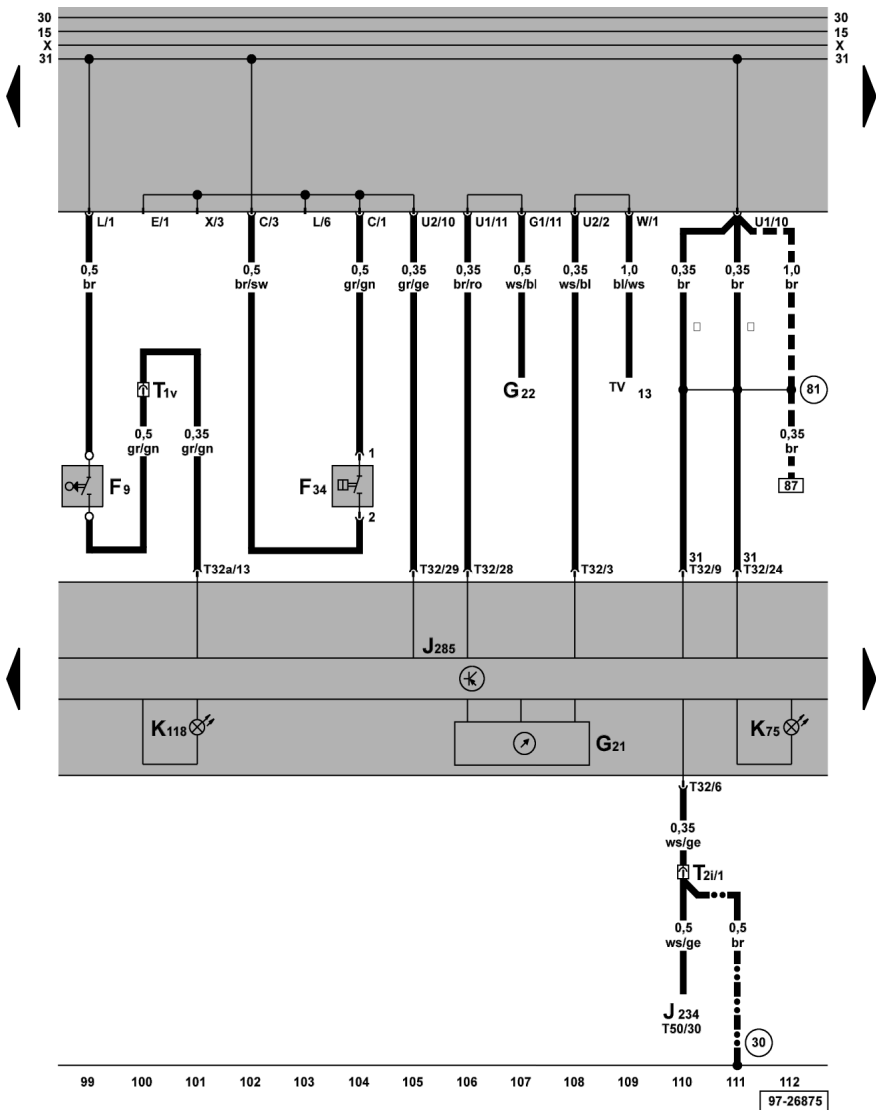
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

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Transporter

Current Flow Diagram

No. 79 / 9



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

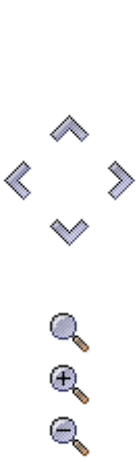
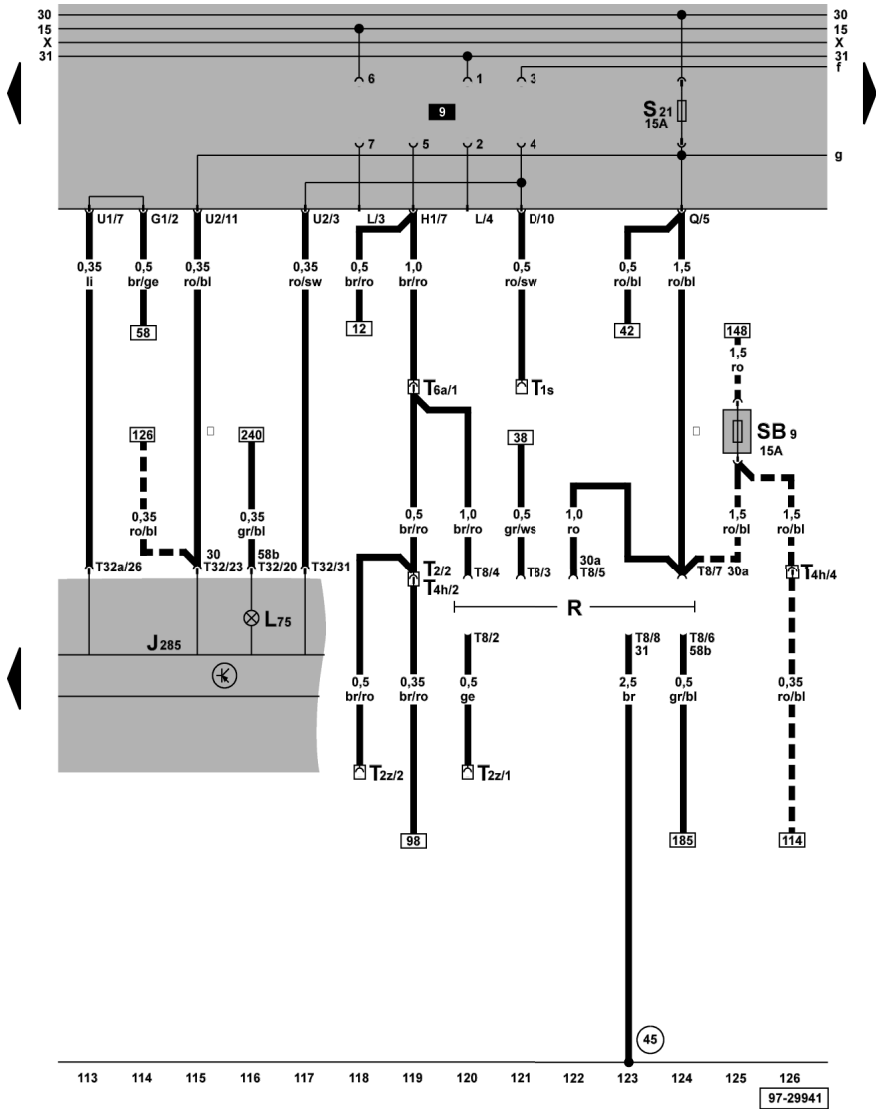
Dash panel insert, handbrake warning switch, brake fluid level warning contact, brake system warning lamp, speedometer

- 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 with ABS
- - Only models without ABS
- ...- - Only models without airbag

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Current Flow Diagram

No. 79 / 10



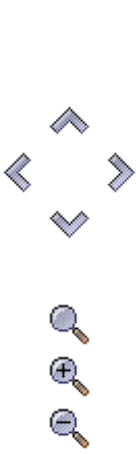
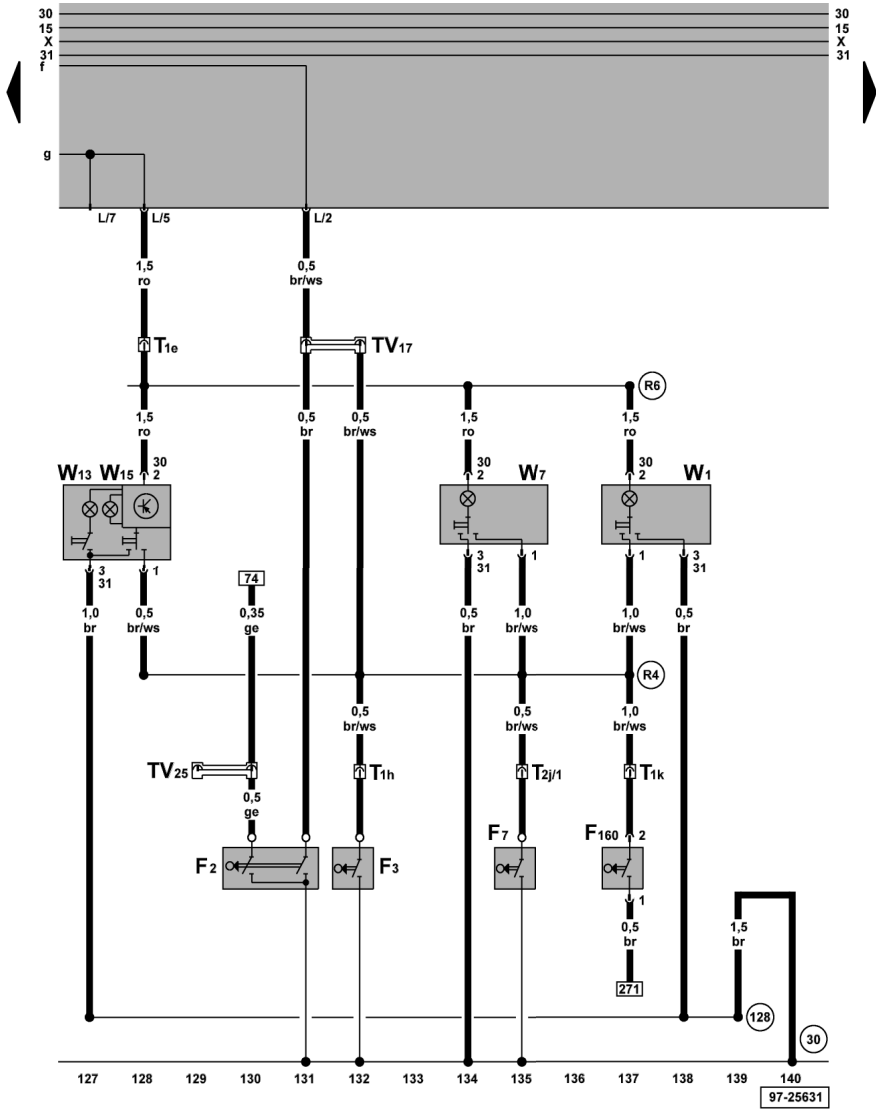
- Dash panel insert, connection for radio**
- J285 - Control unit with display in dash panel insert
 - L75 - Digital display illumination
 - R - Radio
 - SB9 - Fuse -9- in fuse box/relay plate, below the relay plate
 - T1s - Single connector, behind relay plate
 - T2 - 2-pin connector, behind relay plate, 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

Transporter

Current Flow Diagram

No. 79 / 11



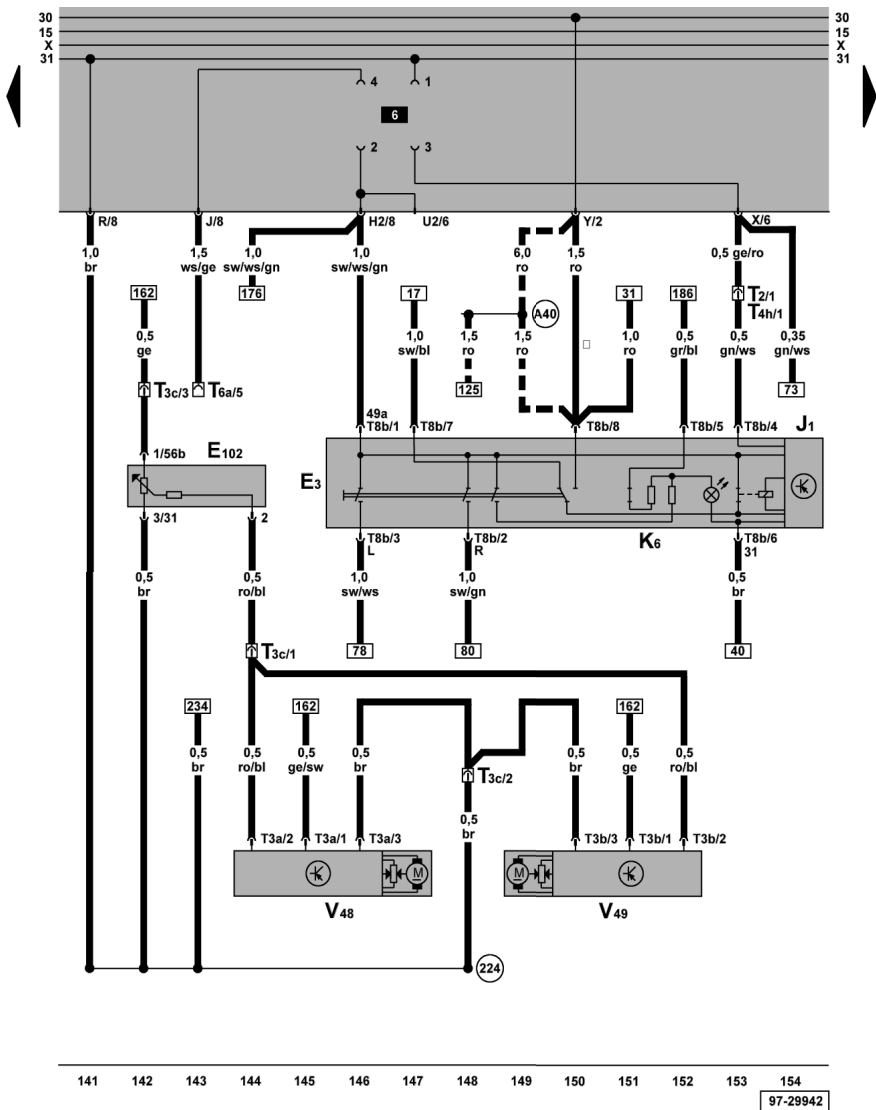
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

- 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

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Current Flow Diagram

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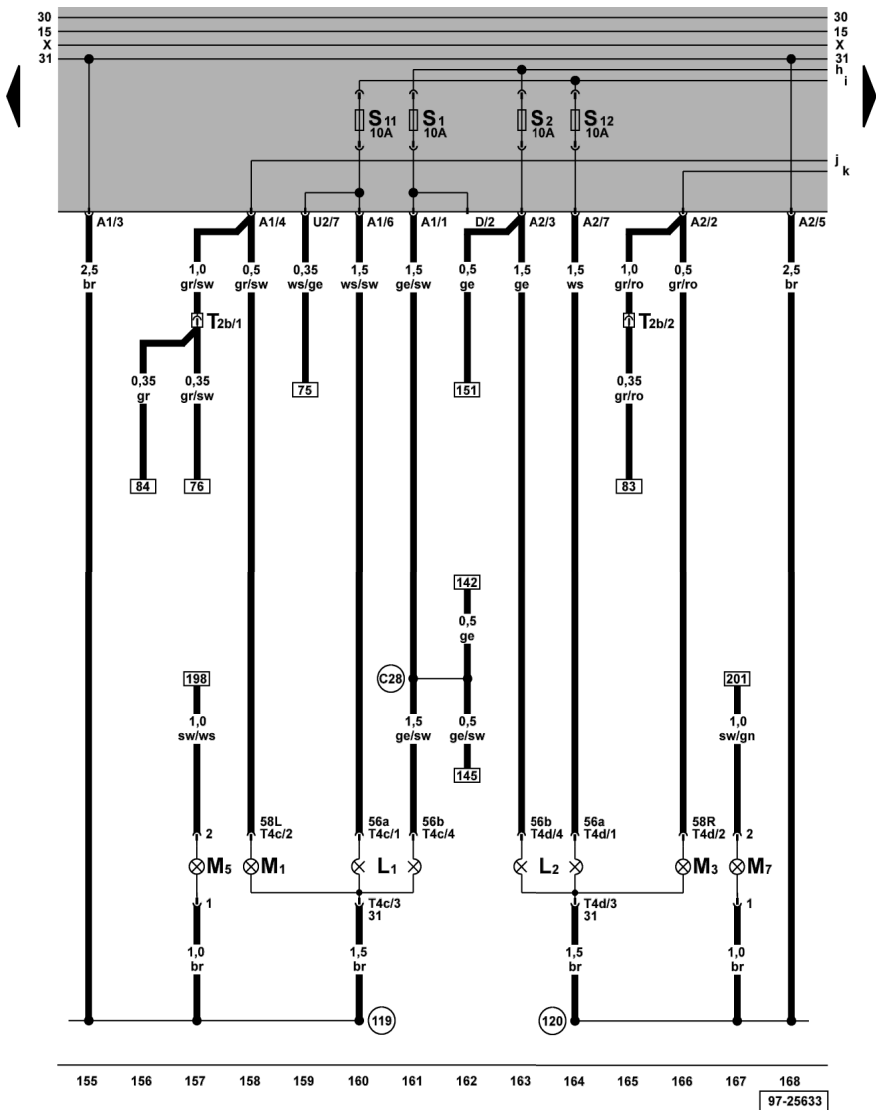
- Headlight range control, hazard warning light switch**
- E3 - Hazard warning light switch
 - E102 - Headlight range control adjuster
 - J1 - Turn signal relay
 - K6 - Hazard warning light system warning lamp
 - T2 - 2-pin connector, behind relay plate, up to August 2000
 - T3a - 3-pin connector
 - 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

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 / 13



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

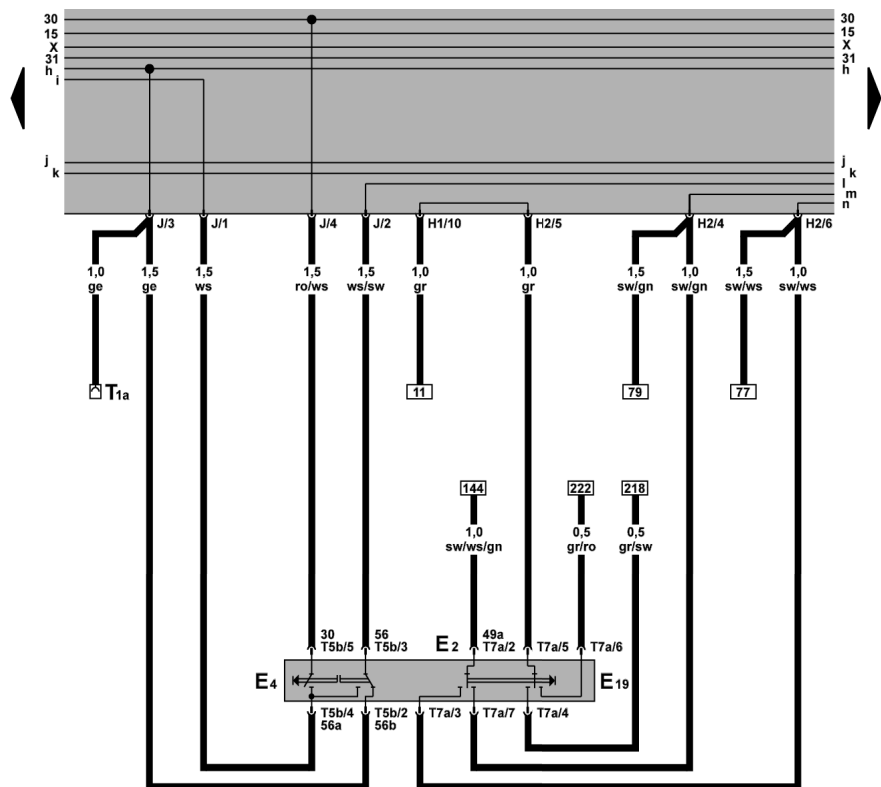
- L1 - Twin filament bulb for headlight, left
- L2 - Twin filament bulb for headlight, right
- M1 - Side light bulb, left
- M3 - Side light bulb, right
- M5 - Turn signal bulb, front left
- M7 - Turn signal bulb, front right
- T2b - 2-pin connector, behind relay plate
- T4c - 4-pin connector
- T4d -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

No. 79 / 14



Turn signal switch, headlight dipper/flasher switch, parking light switch

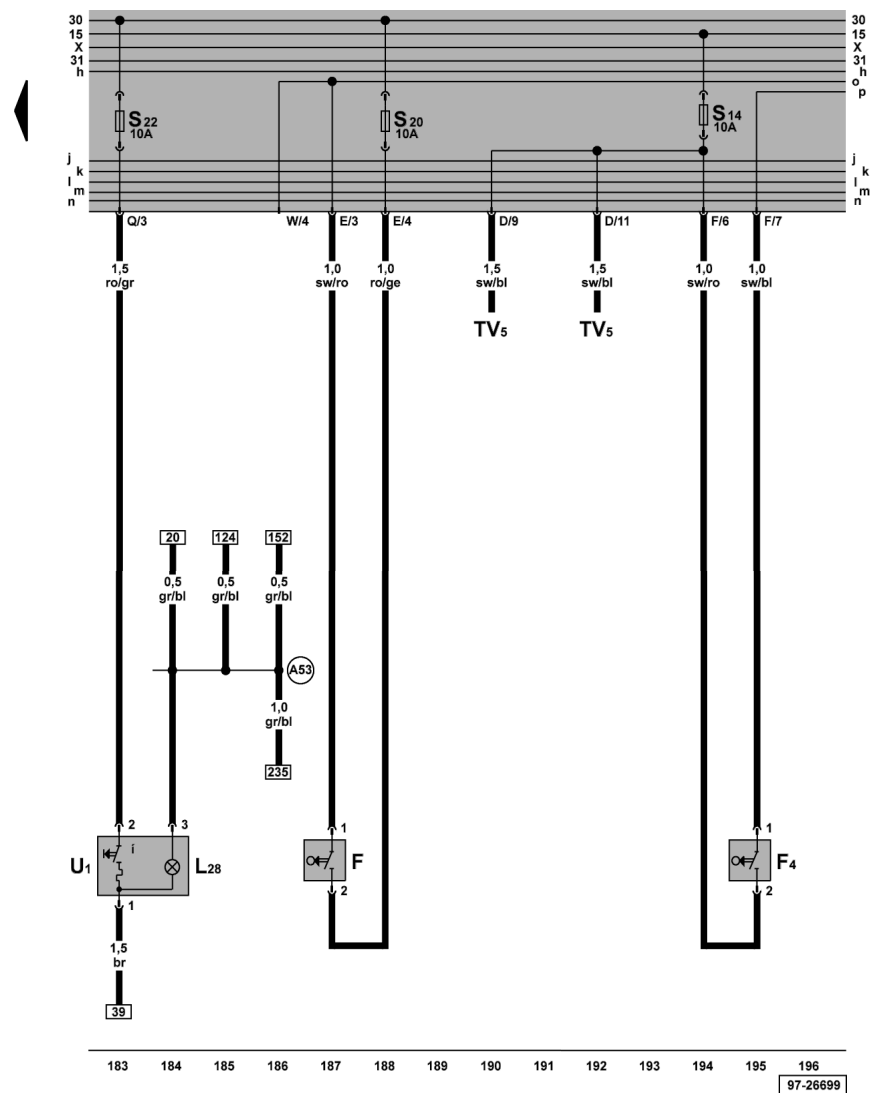
- E2 - Turn signal switch
- E4 - Headlight dipper/flasher switch
- E19 - Parking light switch
- T1a - Single connector, behind relay plate
- T5b - 5-pin connector, behind steering column switch trim
- T7a - 7-pin connector, behind steering column switch trim

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

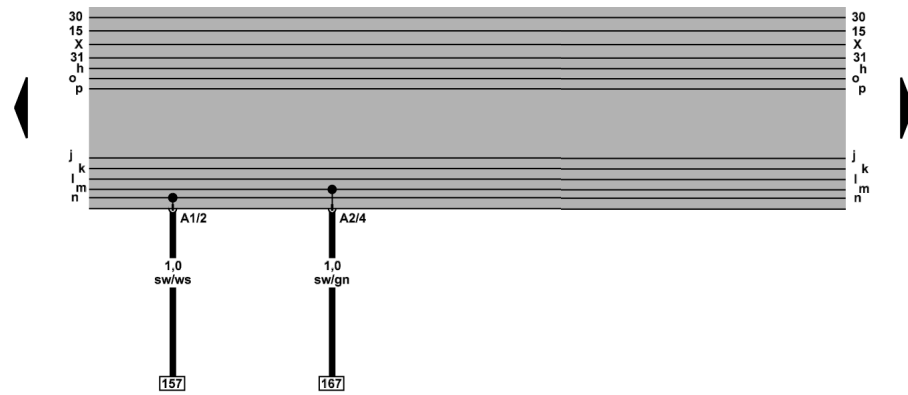
- F - Brake light switch
- F4 - Reversing light switch
- L28 - Cigarette lighter light bulb
- TV5 - Terminal 15a junction box, green, 4-pin and 8-pin
- U1 - Cigarette lighter
- A53 - Connection (58b), in dash panel wiring harness

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

Transporter

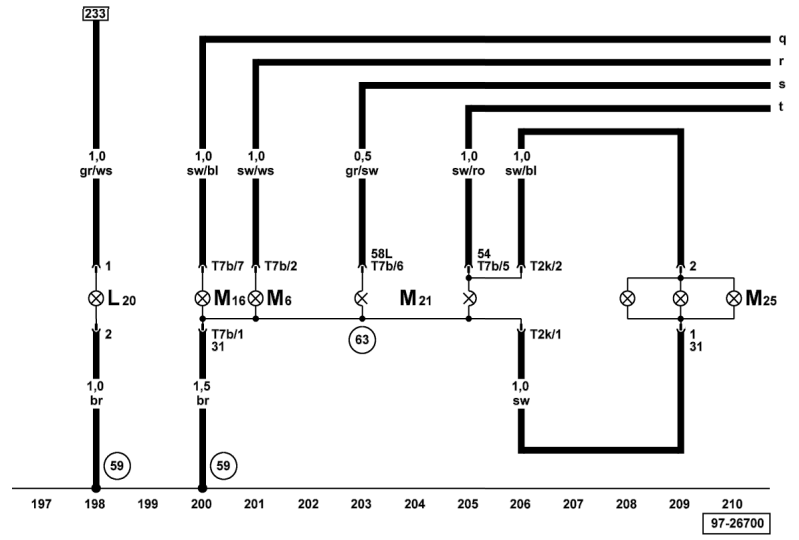
Current Flow Diagram

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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
- 59 - Earth point, near left tail light
- 63 - Earth point, left tail light bulb holder

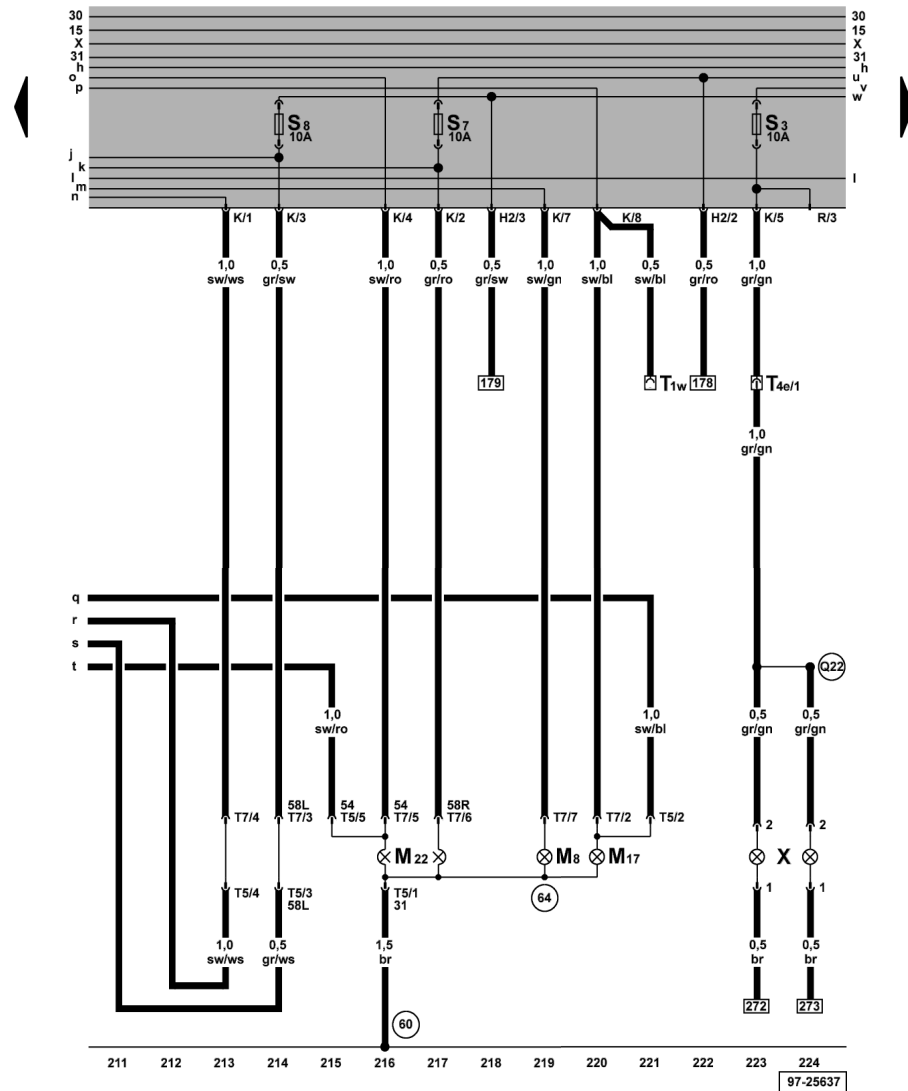


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Transporter

Current Flow Diagram

No. 79 / 17



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

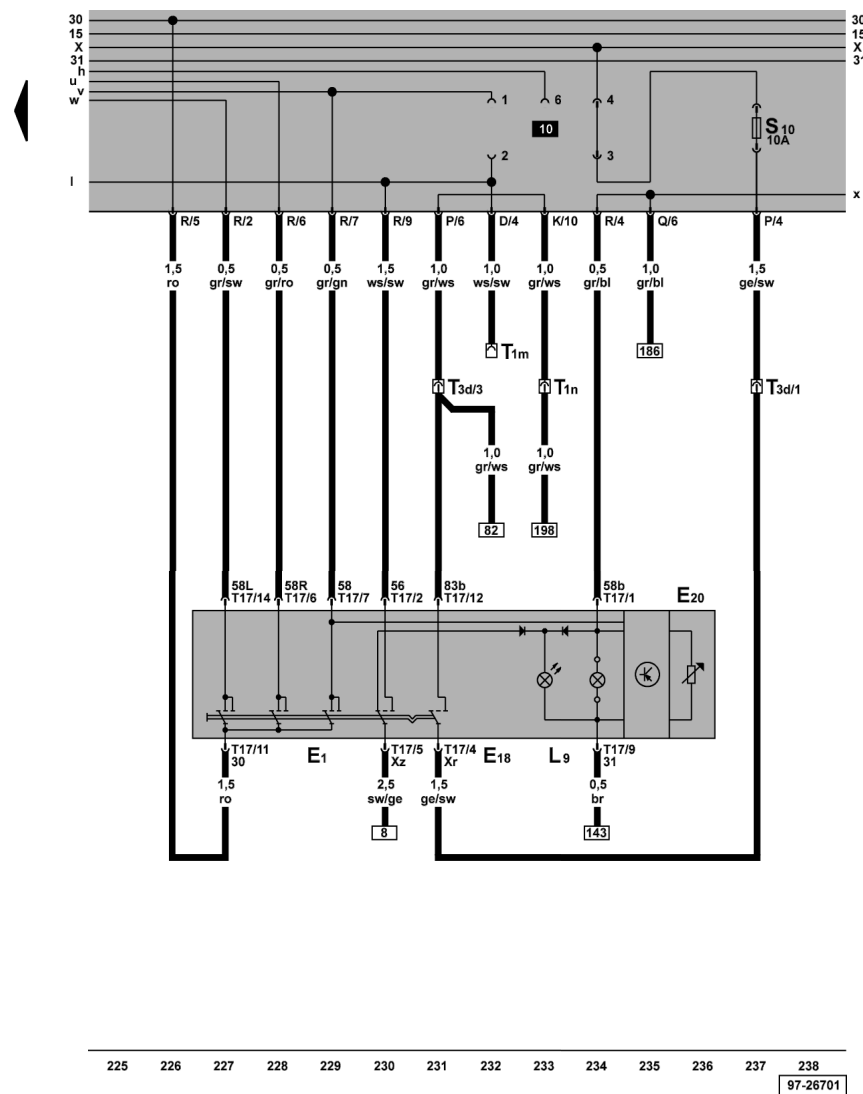
- M8 - Turn signal bulb, rear right
- M17 - Reversing light bulb, right
- M22 - Brake and tail light bulb, right
- T1w - Single connector, behind relay plate
- T4e - 4-pin connector, near right tail light
- T5 - 5-pin connector
- T7 - 7-pin connector
- X - Number plate light
- 60 - Earth point, -2-, 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
- ge = 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

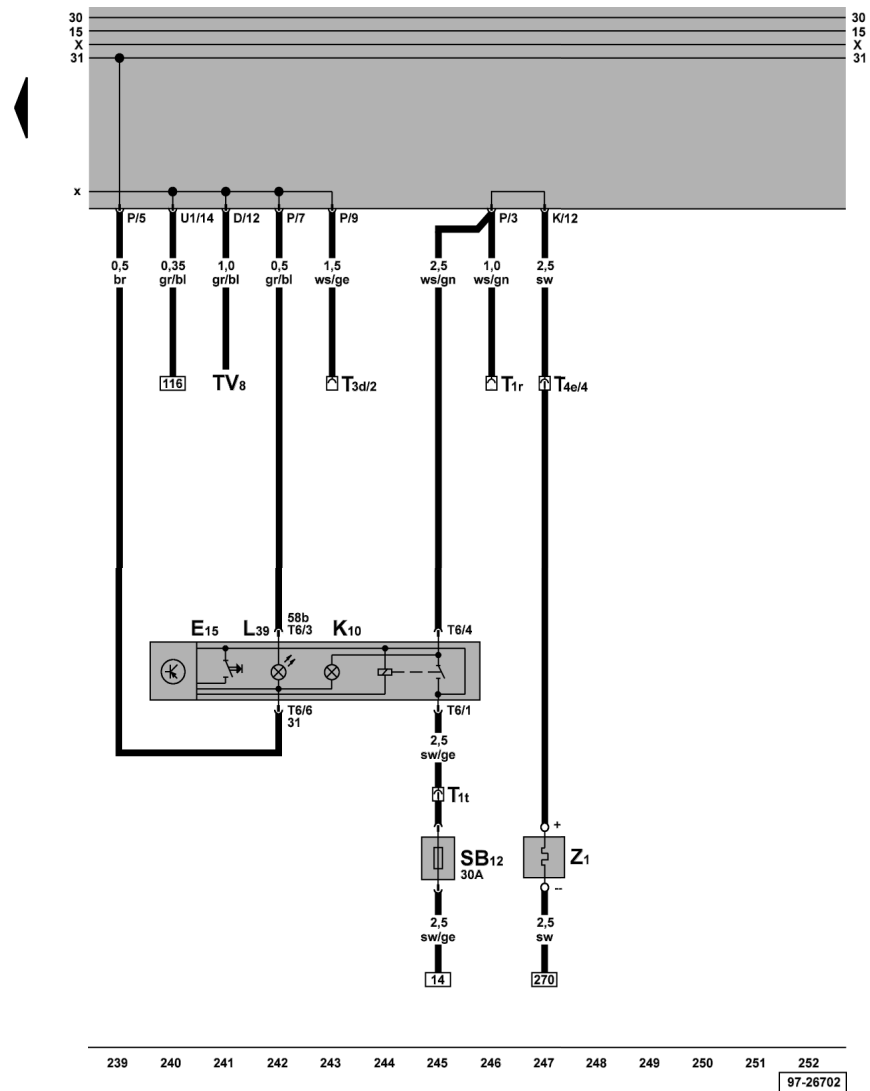
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

225 226 227 228 229 230 231 232 233 234 235 236 237 238
97-26701

Transporter

Current Flow Diagram

No. 79 / 19



Heated rear window

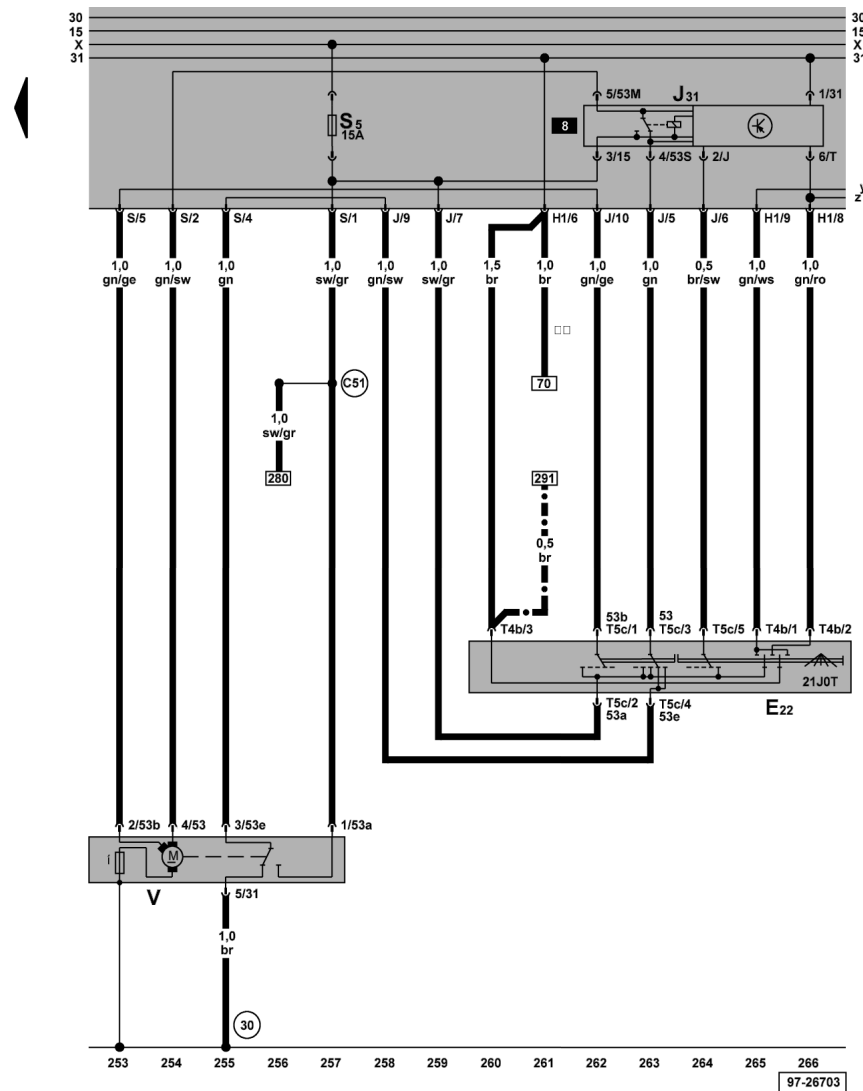
- E15 - Heated rear window switch
- K10 - Heated rear window warning lamp
- L39 - Heated rear window switch bulb
- SB12 - Fuse -12- in fuse box/relay plate, below the relay plate
- T1r - Single connector, behind relay plate
- T1t - Single connector, behind relay plate
- T3d - 3-pin connector, behind 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

Transporter

Current Flow Diagram

No. 79 / 20



Front and rear wash/wipe system

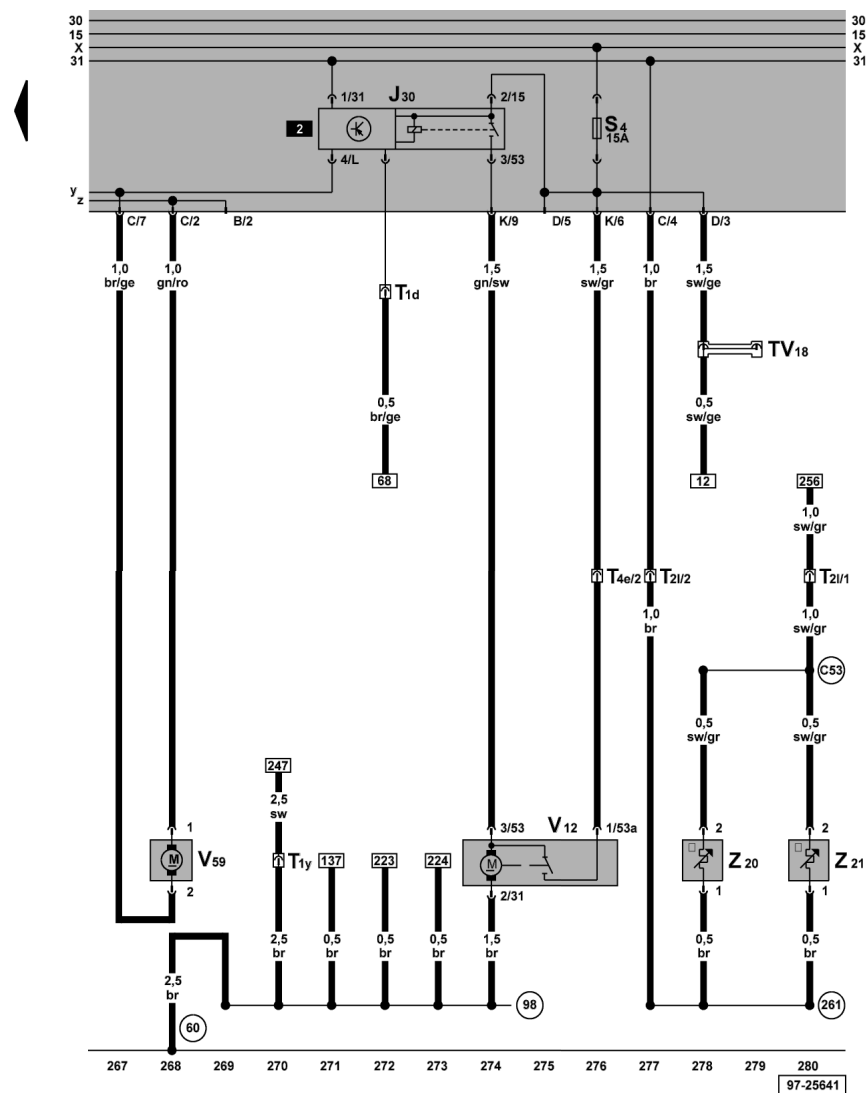
- E22 - Intermittent wiper switch
- J31 - Automatic intermittent wash/wipe relay
- T4b - 4-pin connector, behind steering column switch trim
- T5c - 5-pin connector, behind steering column switch trim
- V - Windscreen wiper motor
- 30 - Earth point -1-, next to relay plate
- C51 - Positive (+) connection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

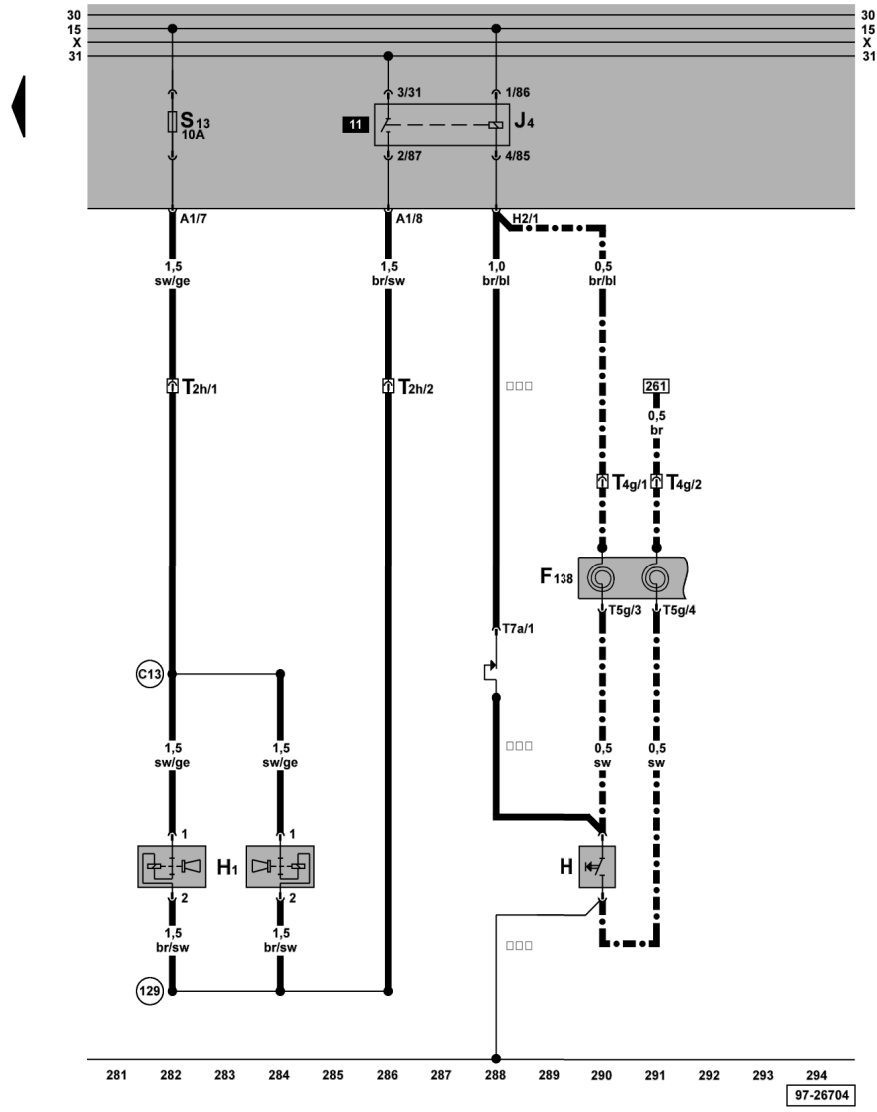
- J30 - Rear window wiper/washer relay
- T1d - Single connector, on rear window wiper/washer relay
- T1y - Single connector, in tailgate/boot lid
- T2l - 2-pin connector, on bulkhead, right
- T4e - 4-pin connector, near right tail light
- TV18 - Terminal Xa junction box, lilac
- V12 - Rear window wiper motor
- V59 - Windscreen 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
 ge = yellow
 or = orange
 rs = pink

Transporter

Current Flow Diagram

No. 79 / 22



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

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