

Sharan

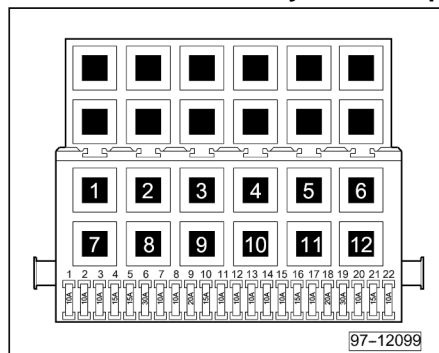
Current Flow Diagram

No. 42 / 1

Edition 06.1997

Sharan - basic equipment

From September 1996

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

- 2 - Rear window wipe/wash relay (72)
- 4 - X contact relief relay (18)
- 6 - Hazard warning light relay (21)
- 8 - Automatic intermittent wash/wipe relay (19)
- 9 - Lights on warning buzzer (36)
- 10 - Fog light relay (53)
- 11 - Dual tone horn relay (53)

**Note!**

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

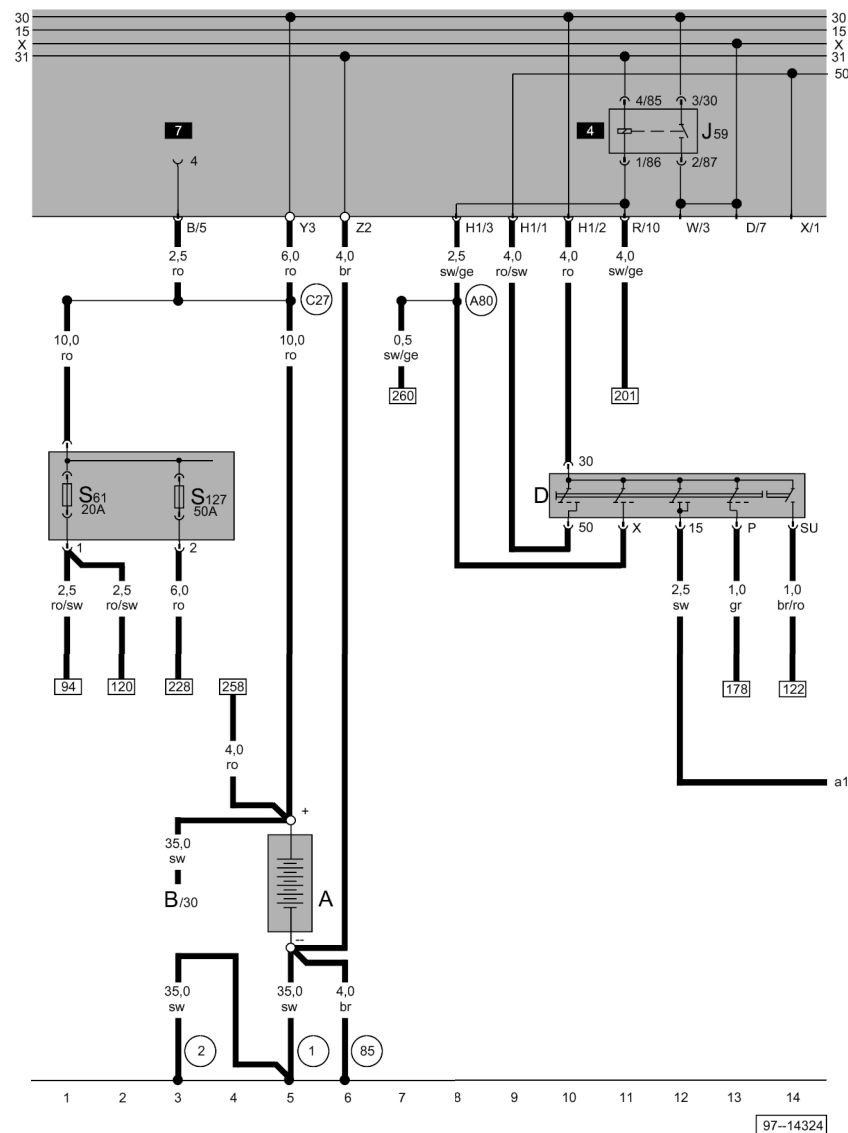
Fuse colours

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

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Current Flow Diagram

No. 42 / 2

**Battery, ignition/starter switch**

- A - Battery
- B - Starter
- D - Ignition/starter switch
- J59 - X contact relief relay
- S61 - Fuse for socket, above the relay plate
- S127 - Heated windscreen fuse, above the relay plate
- 1 - Earth strap, battery body
- 2 - Earth strap, gearbox - body
- 85 - Earth connection -1-, in engine compartment wiring harness
- A80 - Positive connection -1- (X), in dash panel wiring harness
- C27 - Positive connection -2- (30), in headlight wiring harness

Current Flow Diagram

No. 42 / 3



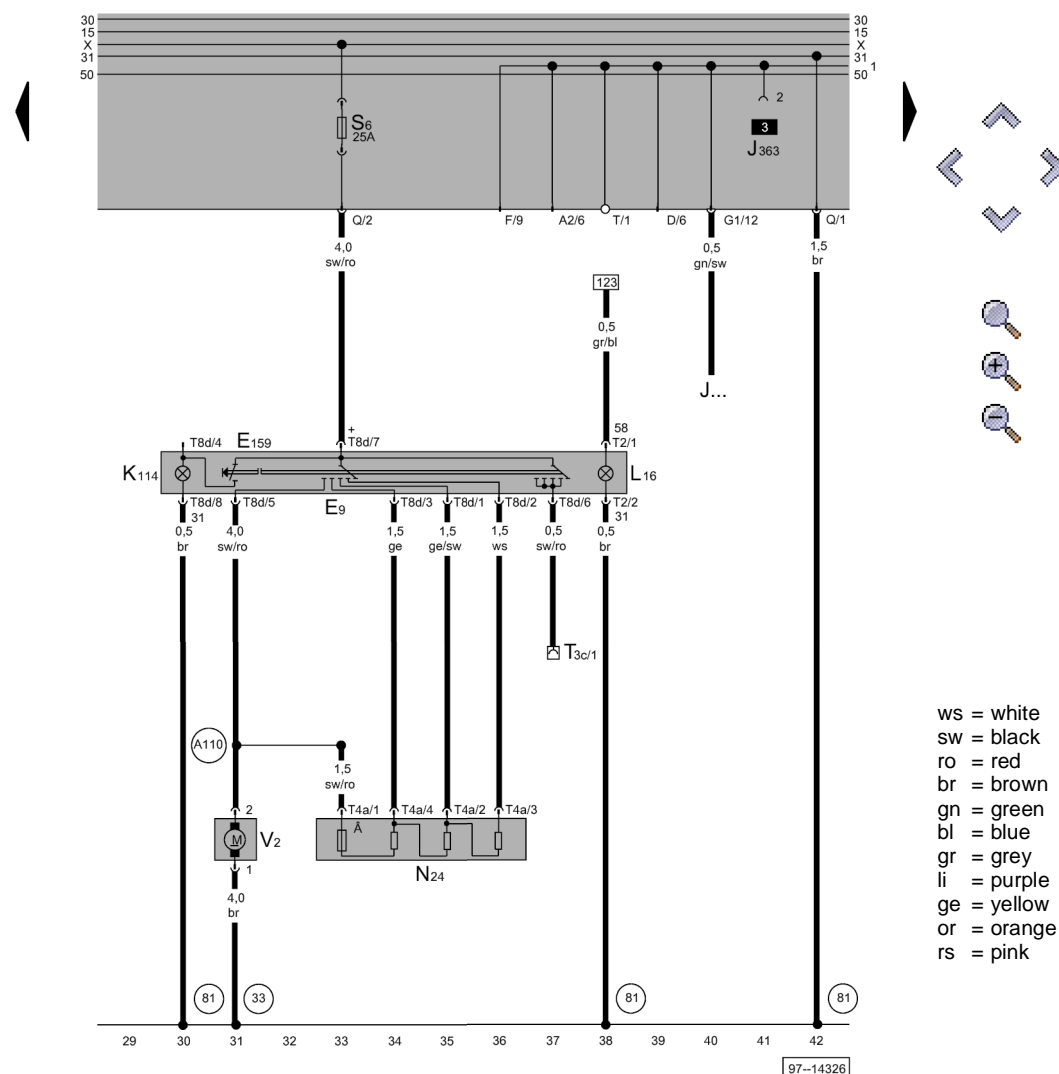
B	- Starter
D2	- Immobilizer reading coil
J...	- Engine control units, left behind dash panel
J361	- Simos control unit, left behind dash panel (engine code ADY only)
J362	- Immobilizer control unit, left behind dash panel
T3	- 3-pin connector
T4d	- 4-pin connector, behind relay plate
T6	- 6-pin connector
T68	- 68-pin connector, on Simos control unit (engine code ADY only)
32	- Earth point, behind dash panel, left
247	- Earth connection (immobilizer), in dash panel wiring harness
A2	- Positive (+) connection (15), in dash panel wiring harness
D52	- Positive connection (15a), in engine compartment 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

No. 42 / 4

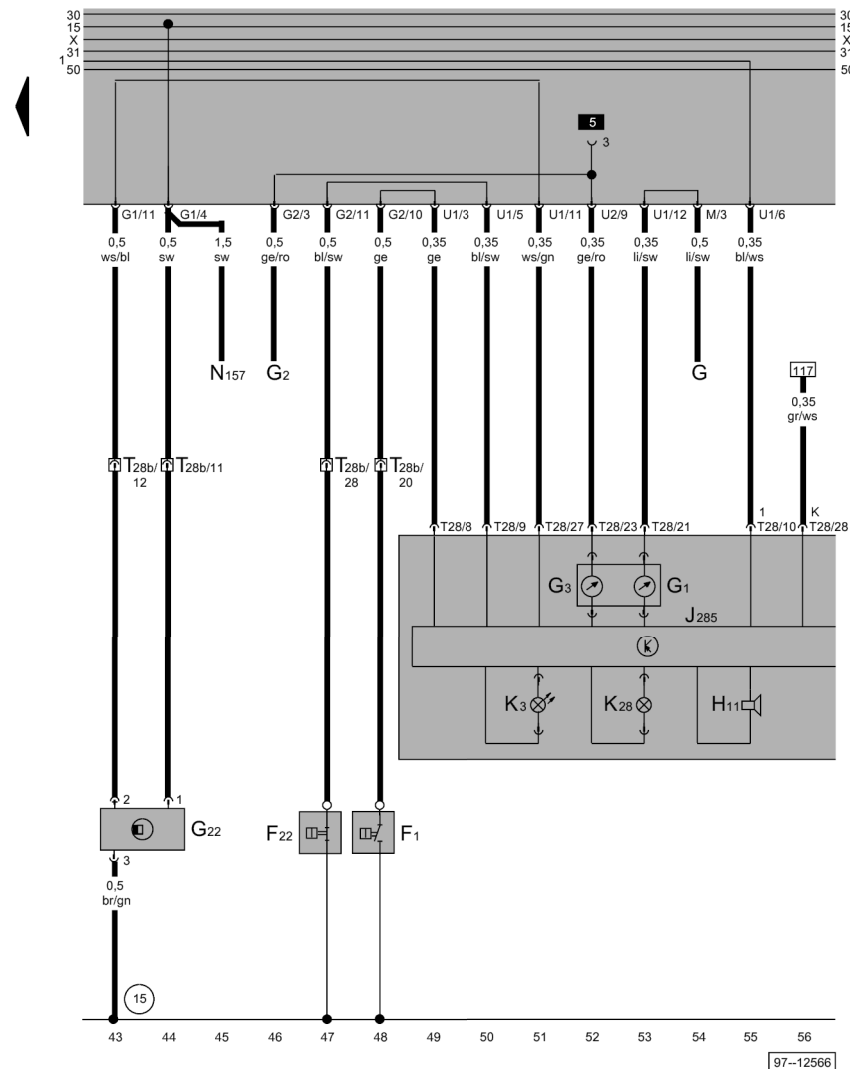
**Fresh air blower, fresh air blower switch**

- E9 - Fresh air blower switch
- E159 - Fresh air and air recirculation switch
- J... - Engine control units, left behind dash panel
- J363 - Current supply relay for Simos control unit (engine code ADY only)
- K114 - Fresh air/air recirculation warning lamp
- L16 - Fresh air control light bulb
- N24 - Fresh air blower with overheating fuse series resistor
- T2 - 2-pin connector
- T3c - 3-pin connector
- T4a - 4-pin connector
- T8d - 8-pin connector
- V2 - Fresh air blower
- 33 - Earth point, behind dash panel, right
- 81 - Earth connection -1-, in dash panel wiring harness
- A110 - Positive connection (fresh air blower), in dash panel wiring harness

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Current Flow Diagram

No. 42 / 5



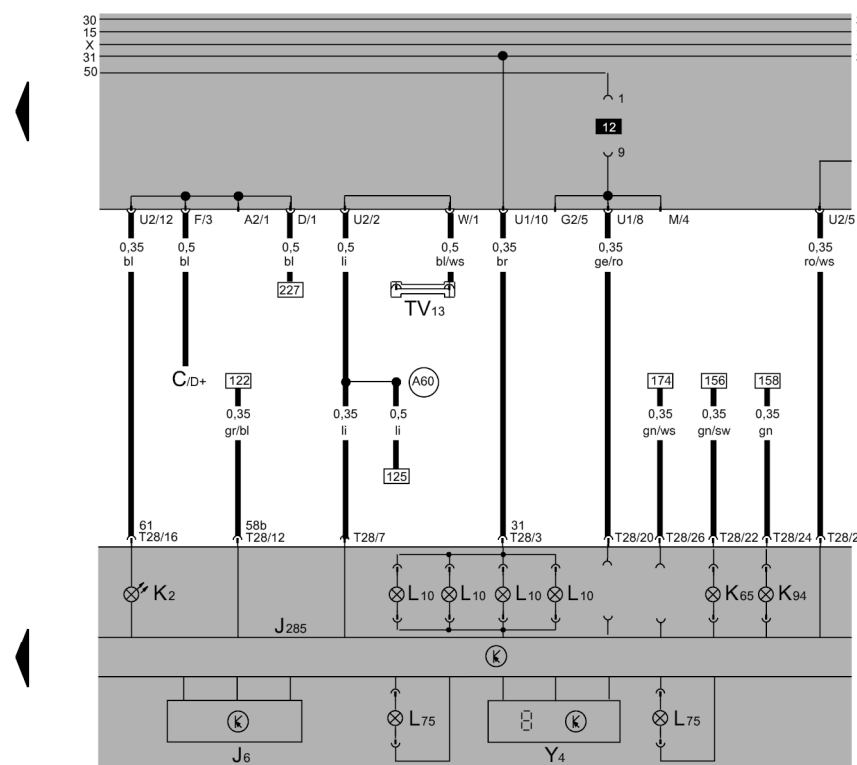
Dash panel insert, fuel gauge, coolant shortage and coolant temperature warning/gauge, speedometer sender, optical and acoustic oil pressure warning

- F1 - Oil pressure switch
- F22 - Oil pressure switch (0.3 bar)
- G - Fuel gauge sender
- G1 - Fuel gauge
- G2 - Coolant temperature sender
- G3 - Coolant temperature gauge
- G22 - Speedometer sender (Hall sender on gearbox)
- H11 - Oil pressure warning buzzer
- J285 - Control unit with display in dash panel insert
- K3 - Oil pressure warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- N157 - Ignition transformer output stage (engine code ADY only)
- T28 - 28-pin connector
- T28b - 28-pin connector, left on engine (engine code ADY only)
- 15 - Earth point, on cylinder head

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Current Flow Diagram

No. 42 / 6



Dash panel insert, alternator warning lamp, turn signal warning lamps, odometer display

- C - Alternator
- J6 - Voltage stabilizer
- J285 - Control unit with display in dash panel insert
- K2 - Alternator warning lamp
- K65 - Left turn signal warning lamp
- K94 - Right turn signal warning lamp
- L10 - Dash panel insert light bulb
- L75 - Digital display illumination
- T28 - 28-pin connector
- TV13 - Speed signal junction box, left behind dash panel
- Y4 - Odometer display
- A60 - Connection (speed signal), 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

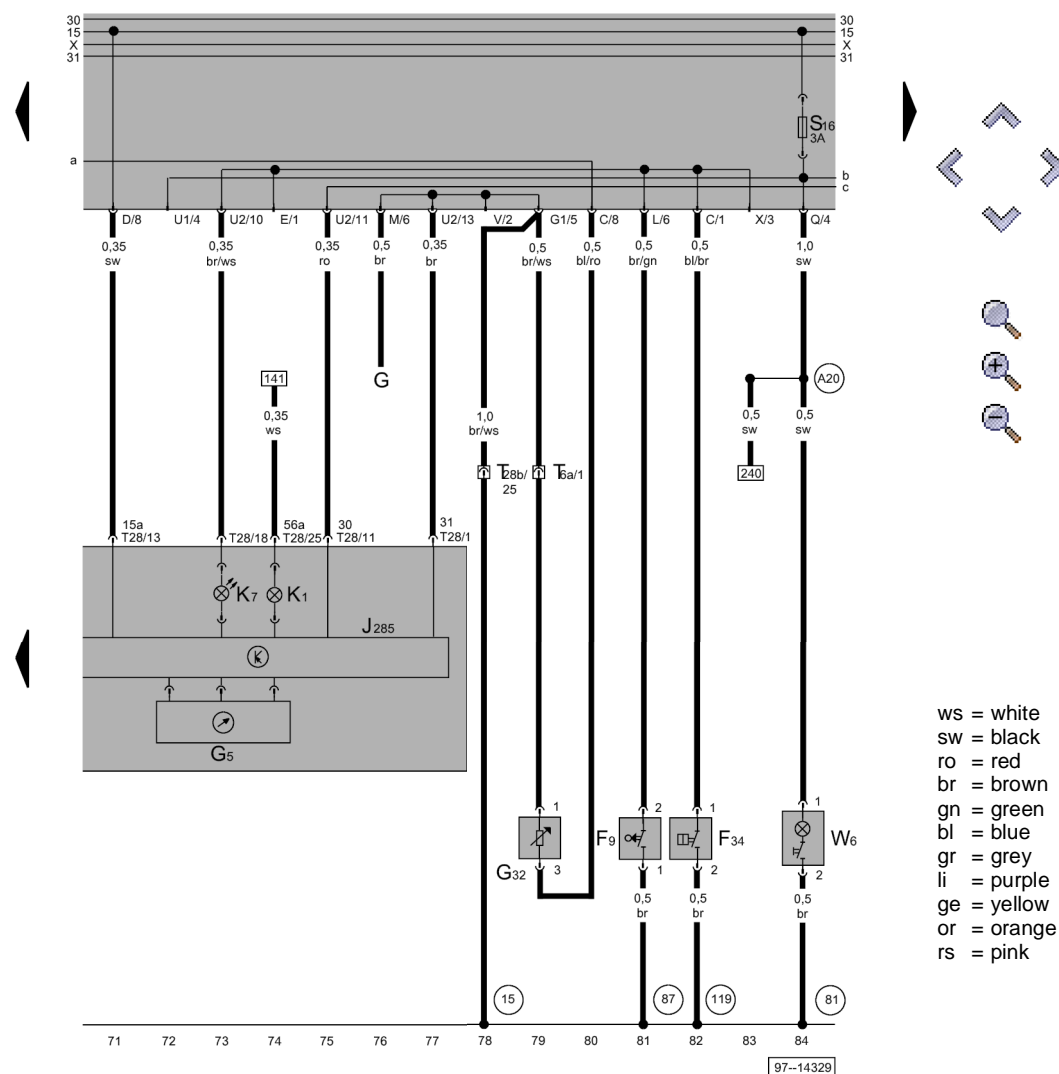
57 58 59 60 61 62 63 64 65 66 67 68 69 70

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Current Flow Diagram

No. 42 / 7



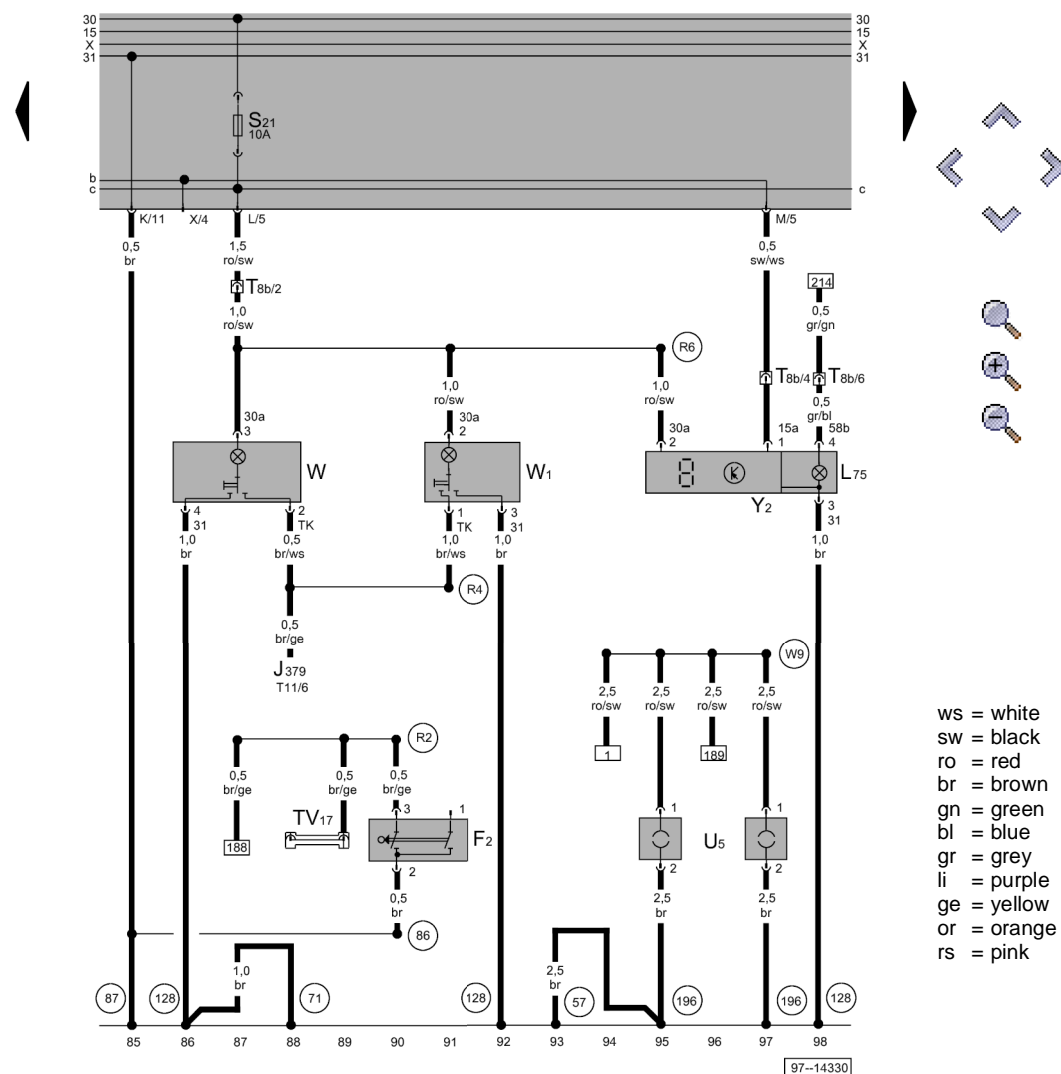
Dash panel insert, rev. counter, dual circuit brakes and handbrake system warning lamp, glove box light

- F9 - Handbrake warning switch
- F34 - Brake fluid level warning contact
- G - Fuel gauge sender
- G5 - Rev. counter
- G32 - Coolant shortage indicator sender
- J285 - Control unit with display in dash panel insert
- K1 - Main beam warning lamp
- K7 - Dual circuit brake/handbrake warning lamp
- T6a - 6-pin connector, behind the relay plate
- T28 - 28-pin connector
- T28b - 28-pin connector, left on engine (engine code ADY only)
- W6 - Glove box light
- 15 - Earth point, on cylinder head
- 81 - Earth connection -1-, in dash panel wiring harness
- 87 - Earth connection -2-, in rear wiring harness
- 119 - Earth connection -1-, in headlight wiring harness
- A20 - Connection (15a), in dash panel wiring harness

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Current Flow Diagram

No. 42 / 8

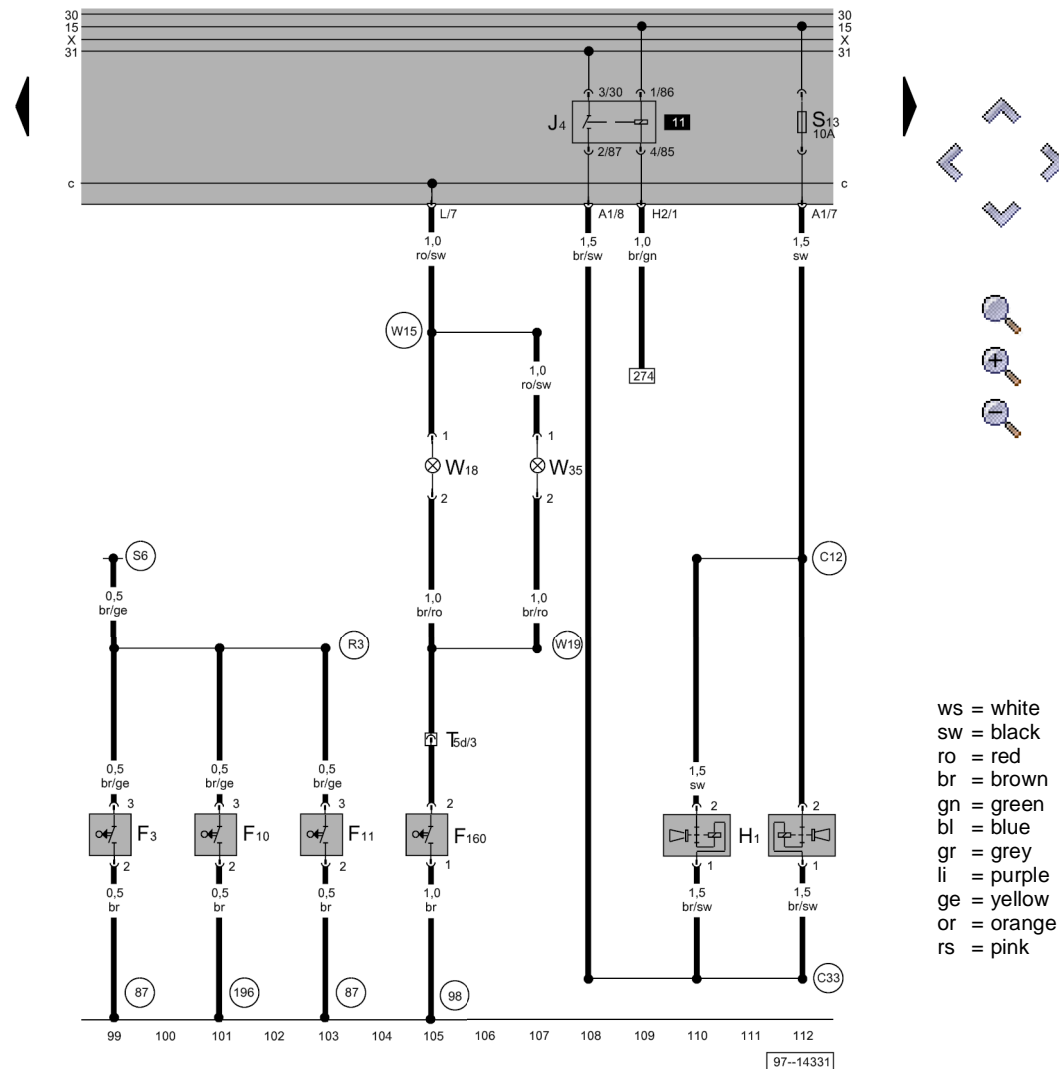
**Door contact switch, digital clock, interior lights**

- F2 - Door contact switch, driver side
- J379 - Central locking control unit, front left under seat
- L75 - Digital display illumination (digital clock)
- T8b - 8-pin connector, left behind A-pillar/dash panel trim
- T11 - 11-pin connector
- TV17 - Door contact switch junction box, left behind dash panel
- U5 - 12 V-socket, rear left in luggage compartment
- W - Interior light, front
- W1 - Rear interior light/load area
- Y2 - Digital clock, front near interior light
- 57 - Earth point, left rear pillar
- 71 - Earth point, front roof rail
- 86 - Earth connection -1-, in rear wiring harness
- 87 - Earth connection -2-, in rear wiring harness
- 128 - Earth connection -1-, in interior light wiring harness
- 196 - Earth connection -3-, in rear wiring harness
- R2 - Connection (door contact switch, left), in door contact switch wiring harness
- R4 - Connection -1-, in interior light/door contact switch wiring harness
- R6 - Positive connection -1-, in interior light wiring harness
- W9 - Positive connection (30), in rear wiring harness

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Current Flow Diagram

No. 42 / 9

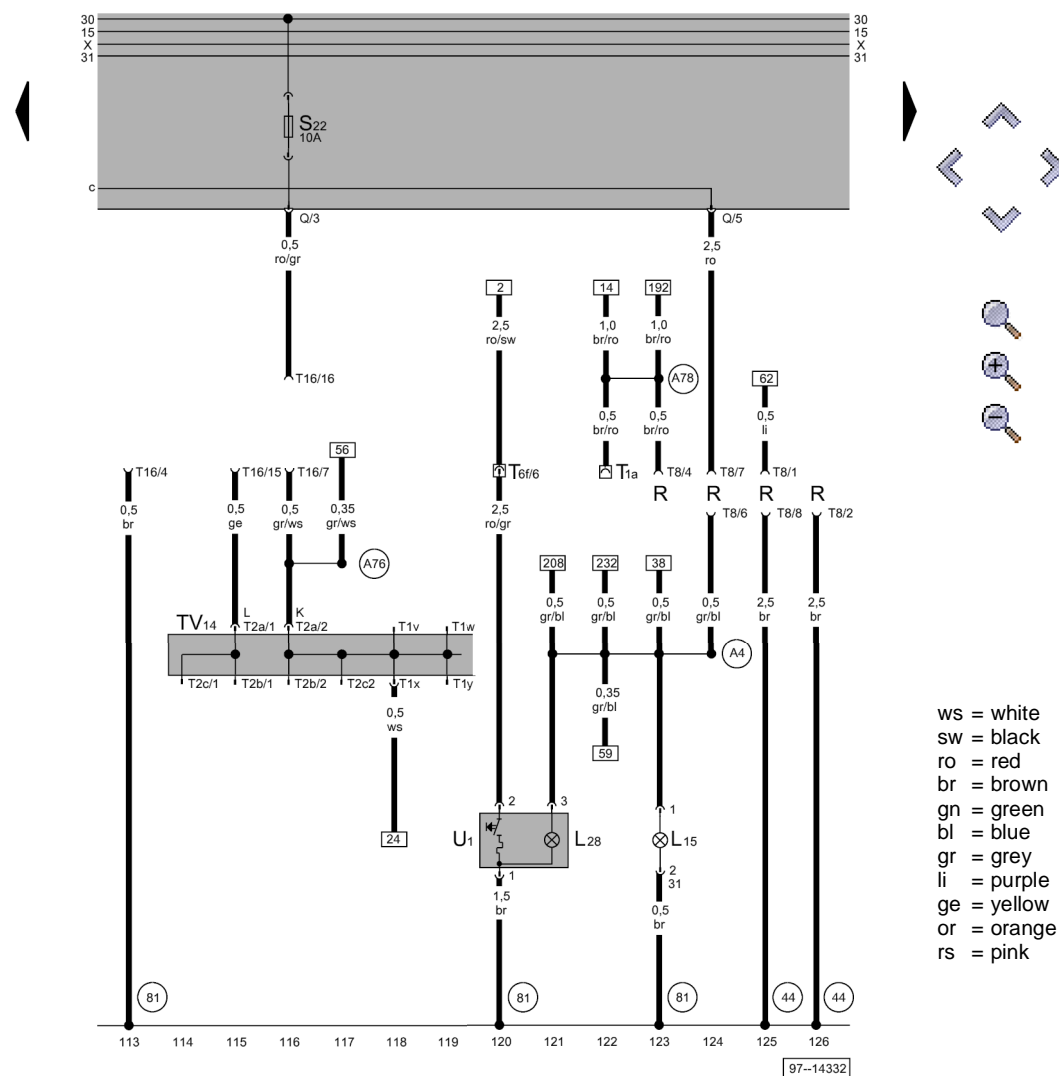
**Door contact switch, luggage compartment light, dual tone horn**

- F3 - Door contact switch, front passenger's side
- F10 - Rear left door contact switch
- F11 - Rear right door contact switch
- F160 - Door contact switch rear (tailgate/boot lid)
- H1 - Horn/dual tone horn
- J4 - Dual tone horn relay
- T5d - 5-pin connector, right behind lower D-pillar trim
- W18 - Luggage compartment light, left
- W35 - Luggage compartment light, right
- 87 - Earth connection -2-, in rear wiring harness
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 196 - Earth connection -3-, in rear wiring harness
- R3 - Connection (door contact switch, right and left), in door contact switch wiring harness
- S6 - Connection -1-, in central locking system wiring harness
- C12 - Positive connection -1-, in headlight wiring harness
- C33 - Connection -5-, in headlight wiring harness
- W15 - Connection -1- (luggage compartment light), in rear wiring harness
- W19 - Connection -2- (luggage compartment light), in rear wiring harness

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Current Flow Diagram

No. 42 / 10

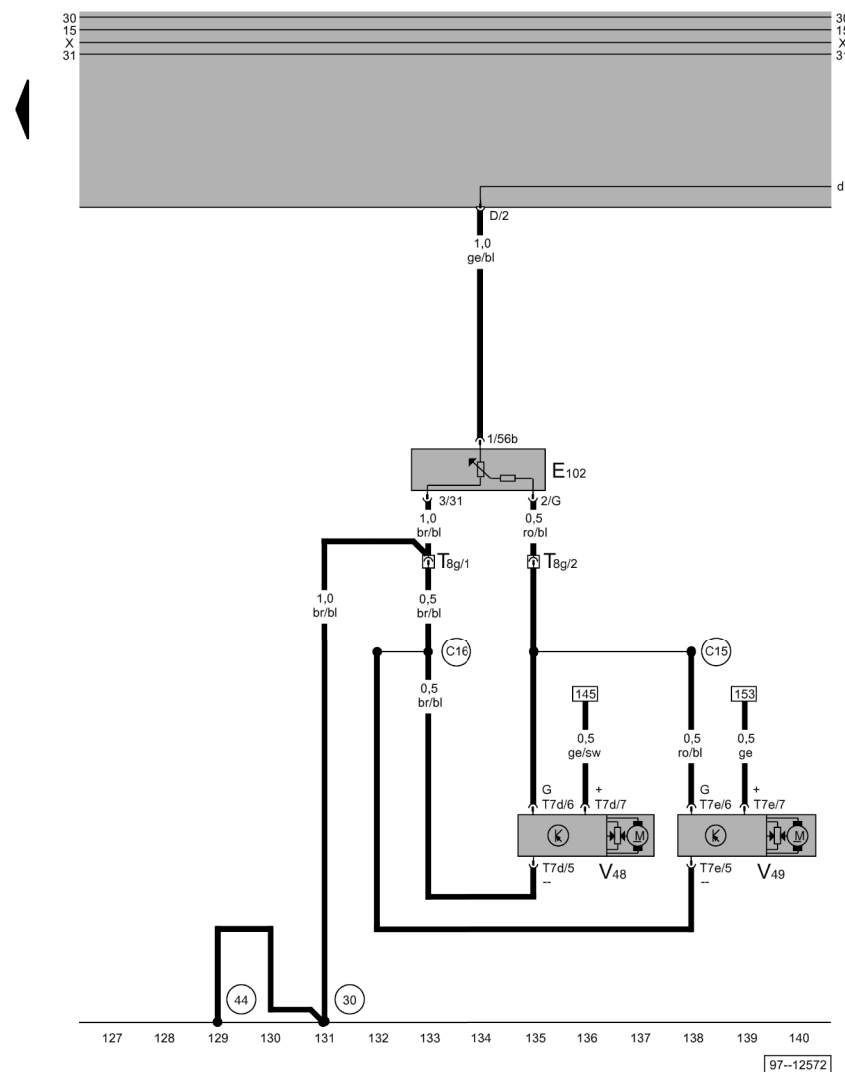
**Self diagnosis junction box, cigarette lighter, radio connection**

- L15 - Ashtray light bulb
- L28 - Cigarette lighter light bulb
- R - Radio
- T1a - Single connector
- T1v - Single connector
- T1w - Single connector
- T1x - Single connector
- T1y - Single connector
- T2a - 2-pin connector
- T2b - 2-pin connector
- T2c - 2-pin connector
- T6f - 6-pin connector, behind relay plate
- T8 - 8-pin connector, on radio
- T16 - 16-pin connector, below cover for compartment/ashtray housing, self-diagnosis for V.A.G. 1551
- TV14 - Self diagnosis junction, left behind dash panel
- U1 - Cigarette lighter
- 44 - Earth point, A-pillar left, bottom
- 81 - Earth connection -1-, in dash panel wiring harness
- A4 - Positive (+) connection (58b), in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A78 - Connection (SU), in dash panel wiring harness

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Current Flow Diagram

No. 42 / 11

**Headlight range control**

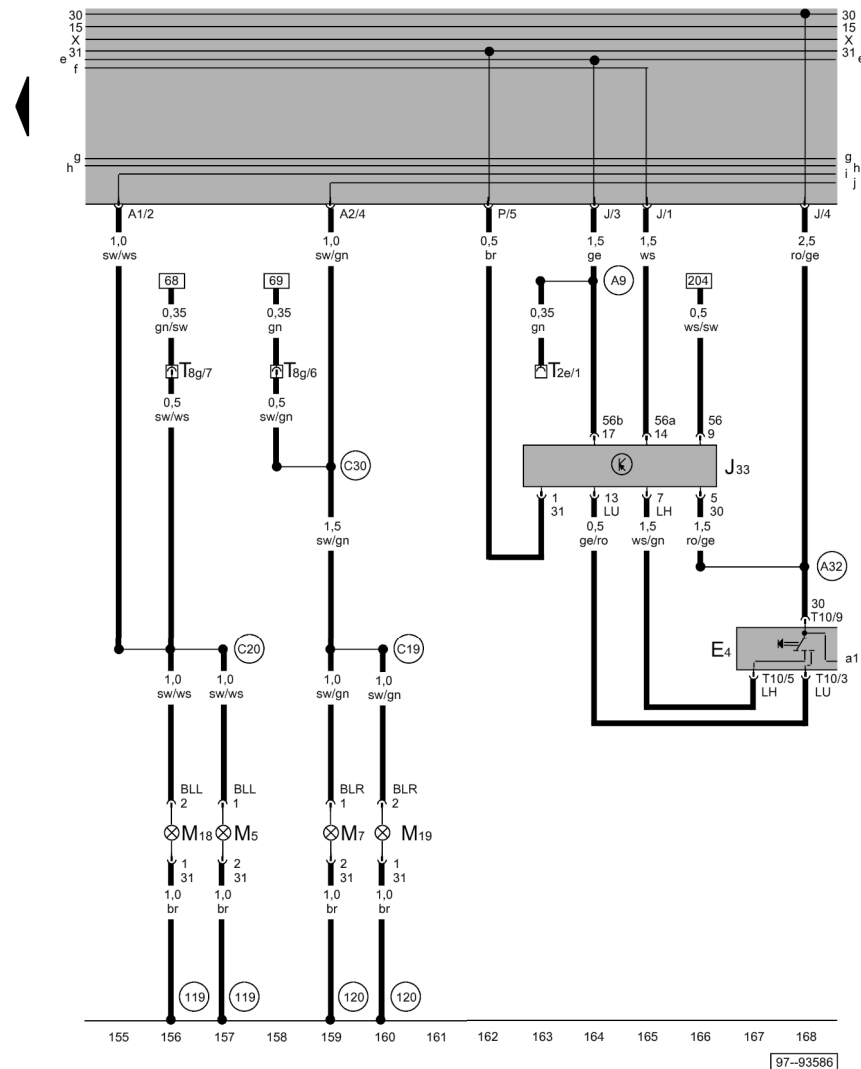
- E102 - Headlight range control adjuster
- T7d - 7-pin connector
- T7e - 7-pin connector
- T8g - 8-pin connector, behind relay plate
- V48 - Headlight range control motor, left
- V49 - Headlight range control motor, right
- 30 - Earth point -1-, next to relay plate (earth connection)
- 44 - Earth point, A-pillar left, bottom
- C15 - Connection -1-, in headlight wiring harness
- C16 - Connection -2-, 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

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Current Flow Diagram

No. 42 / 13



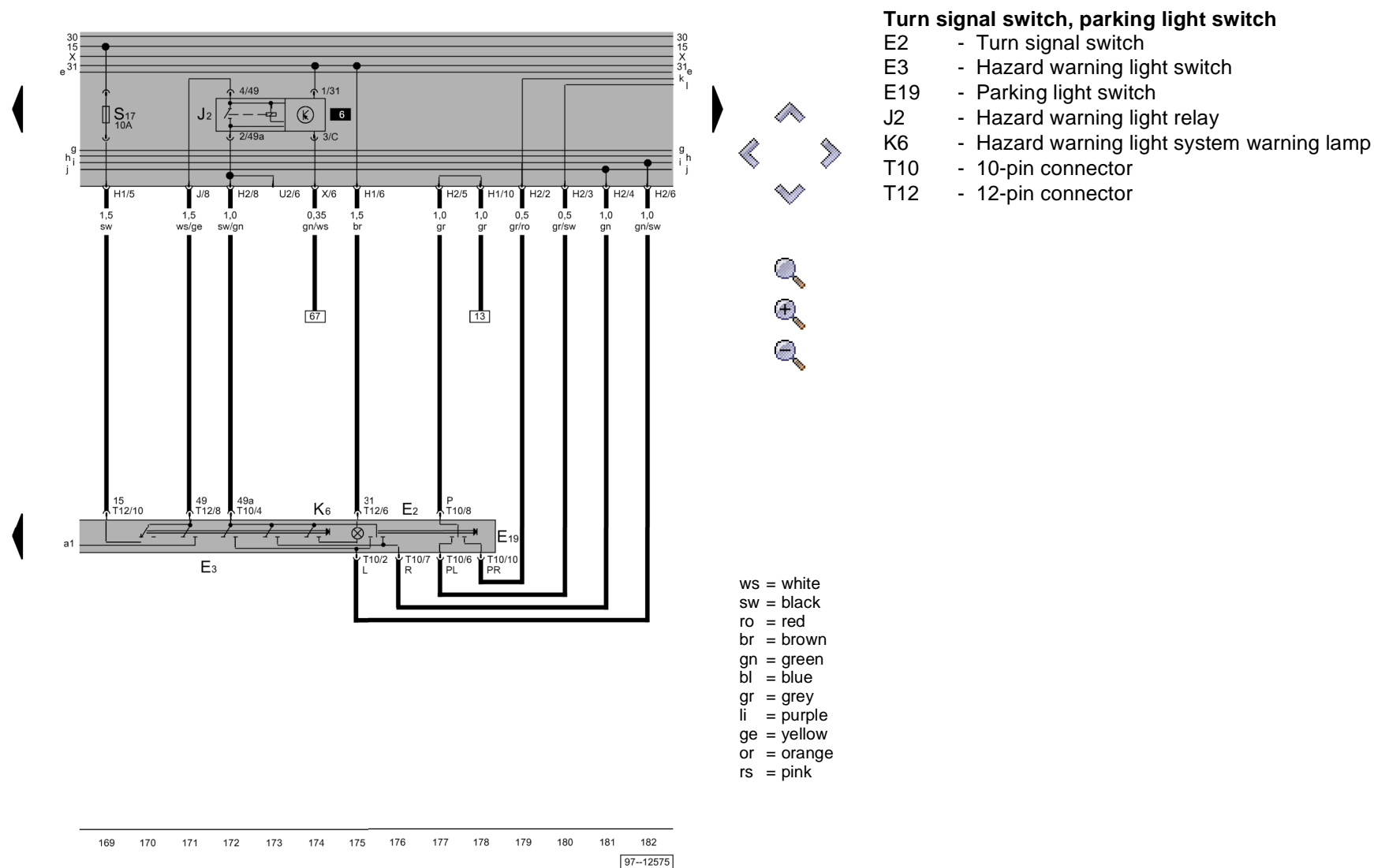
Headlight dipper/flasher switch, dipped/main beam relay, front turn signal

- E4 - Headlight dipper/flasher switch
- J33 - Main and dip beam relay (twin headlights), above relay plate
- M5 - Turn signal bulb, front left
- M7 - Turn signal bulb, front right
- M18 - Side turn signal bulb, left
- M19 - Side turn signal bulb, right
- T2e - 2-pin connector
- T8g - 8-pin connector, behind relay plate
- T10 - 10-pin connector
- 119 - Earth connection -1-, in headlight wiring harness
- 120 - Earth connection -2-, in headlight wiring harness
- A9 - Positive (+) connection (56b), in dash panel wiring harness
- A32 - Positive connection (30), in dash panel wiring harness
- C19 - Connection -1- (right turn signal), in headlight wiring harness
- C20 - Connection -1- (turn signal, left), in headlight wiring harness
- C30 - Connection -2- (right turn signal), in headlight wiring harness

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Current Flow Diagram

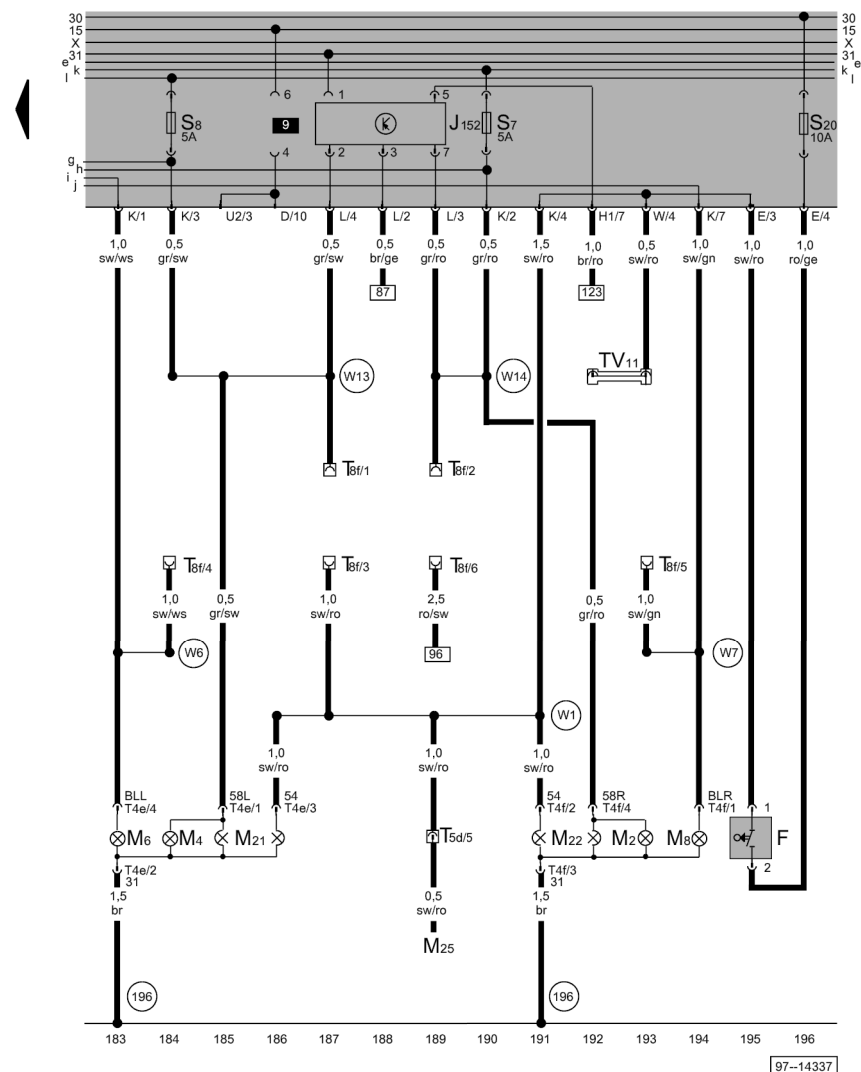
No. 42 / 14



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Current Flow Diagram

No. 42 / 15

**Rear turn signals, brake light, tail light**

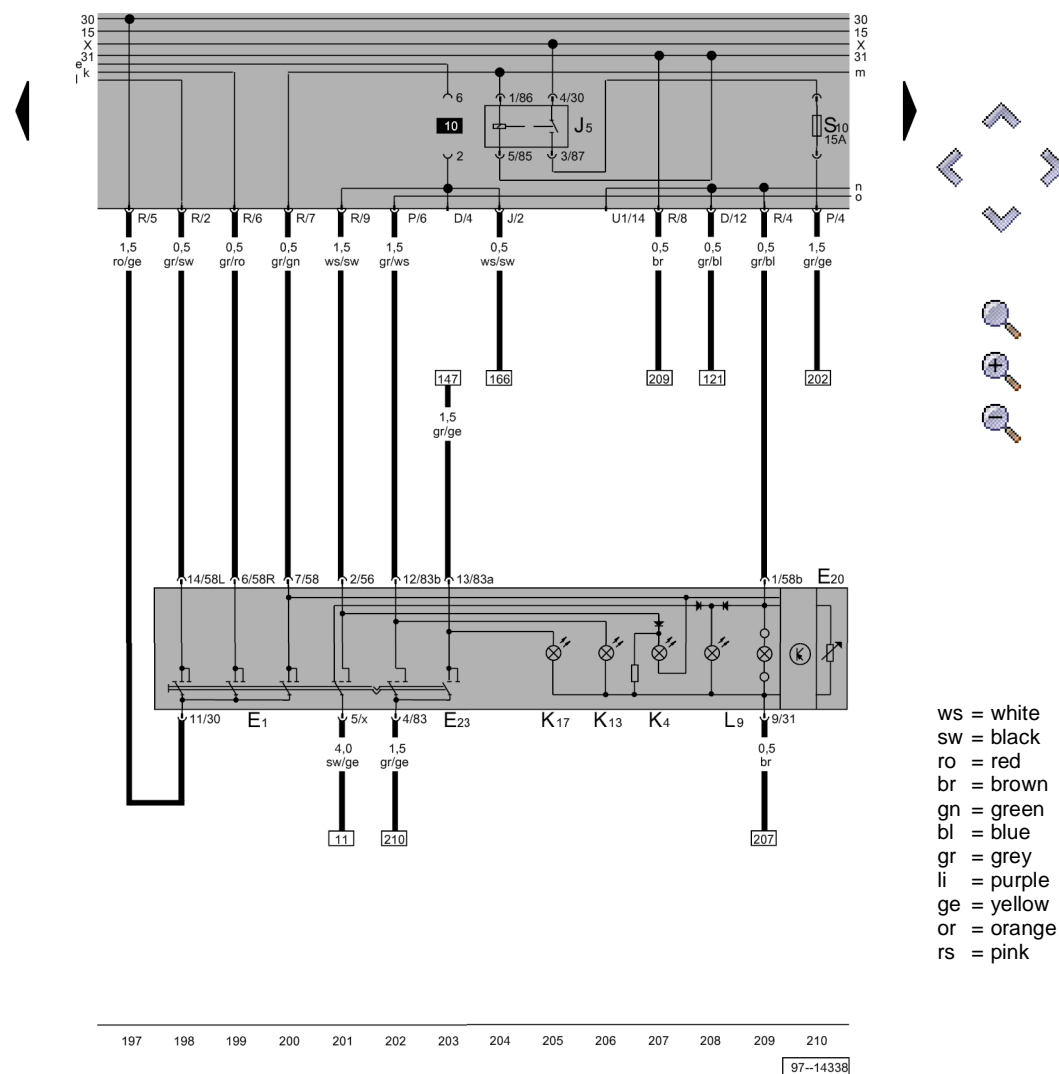
- F - Brake light switch
- J152 - Lights switched on warning buzzer
- M2 - Tail light bulb, right
- M4 - Tail light bulb, left
- M6 - Turn signal bulb, rear left
- M8 - Turn signal bulb, rear right
- M21 - Brake and tail light bulb, left
- M22 - Brake and tail light bulb, right
- M25 - High level brake light bulb
- T4e - 4-pin connector
- T4f - 4-pin connector
- T5d - 5-pin connector, right behind lower D-pillar trim
- T8f - 8-pin connector, left behind lower D-pillar trim
- TV11 - Terminal 54 junction box, left behind dash panel
- 196 - Earth connection -3-, in rear wiring harness
- W1 - Positive (+) connection (54), in rear wiring harness
- W6 - Connection (left turn signal), in rear wiring harness
- W7 - Connection (right turn signal), in rear wiring harness
- W13 - Connection (58L), in rear wiring harness
- W14 - Connection (58R), in rear wiring harness

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 ro = red
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 gn = green
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 li = purple
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Current Flow Diagram

No. 42 / 16

**Lighting switch**

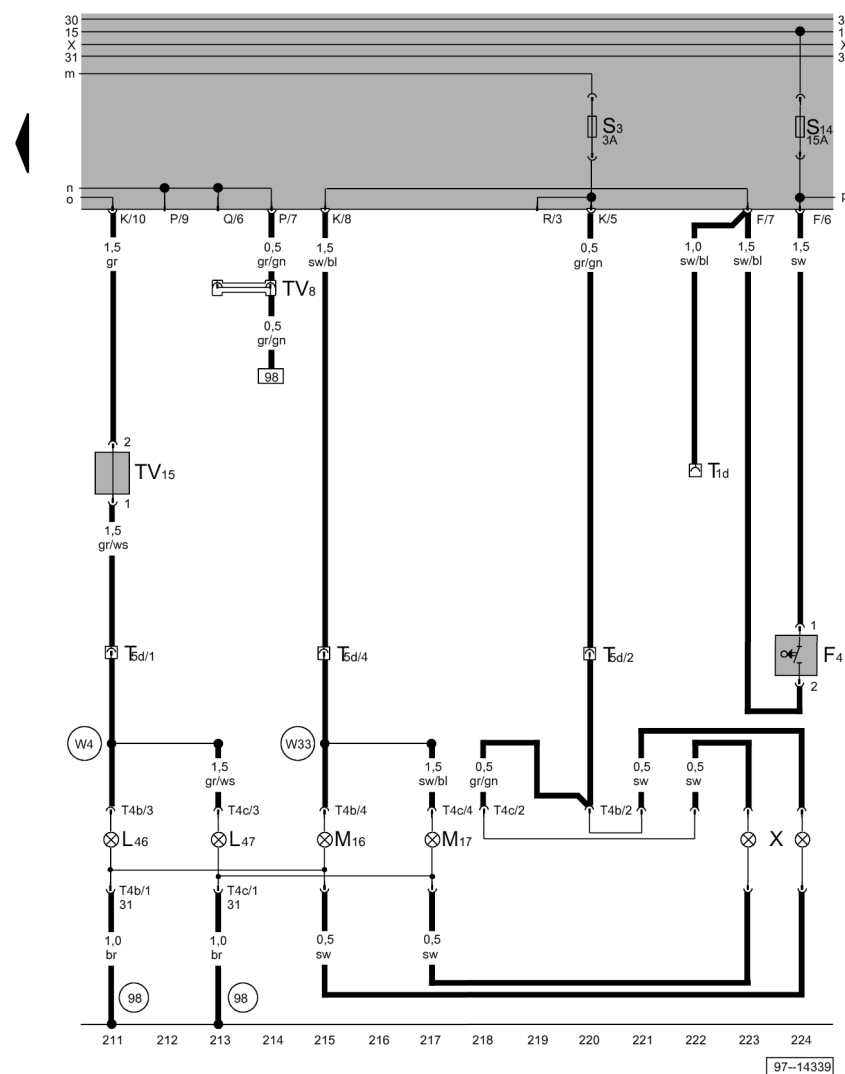
- E1 - Lighting switch
- E20 - Switches and instruments - lighting control
- E23 - Front and rear fog light switch
- J5 - Fog light relay
- K4 - Side light warning lamp
- K13 - Rear fog light warning lamp
- K17 - Fog light warning lamp
- L9 - Lighting switch light bulb

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. 42 / 17

**Rear fog light, reversing light, number plate light**

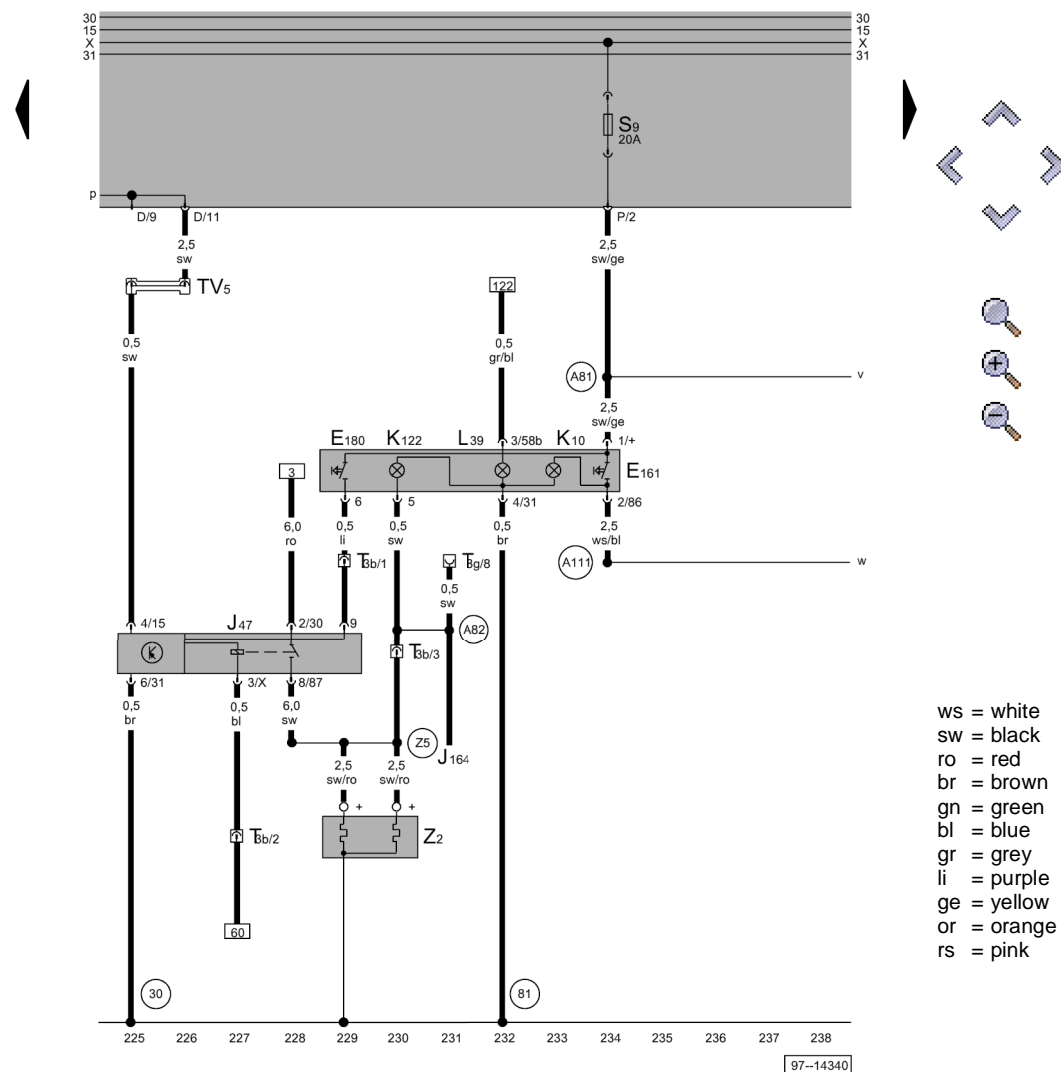
- F4 - Reversing light switch
- L46 - Rear fog light bulb, left
- L47 - Rear fog light bulb, right
- M16 - Reversing light bulb, left
- M17 - Reversing light bulb, right
- T1d - Single connector
- T4b - 4-pin connector
- T4c - 4-pin connector
- T5d - 5-pin connector, right behind lower D-pillar trim
- TV8 - Terminal 58b junction box, left behind dash panel
- TV15 - Wiring connector, right behind lower D-pillar trim
- X - Number plate light
- 98 - Earth connection, in tailgate/boot lid wiring harness
- W4 - Connection (rear fog light), in tailgate wiring harness
- W33 - Connection (reversing light), in rear 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

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Current Flow Diagram

No. 42 / 18

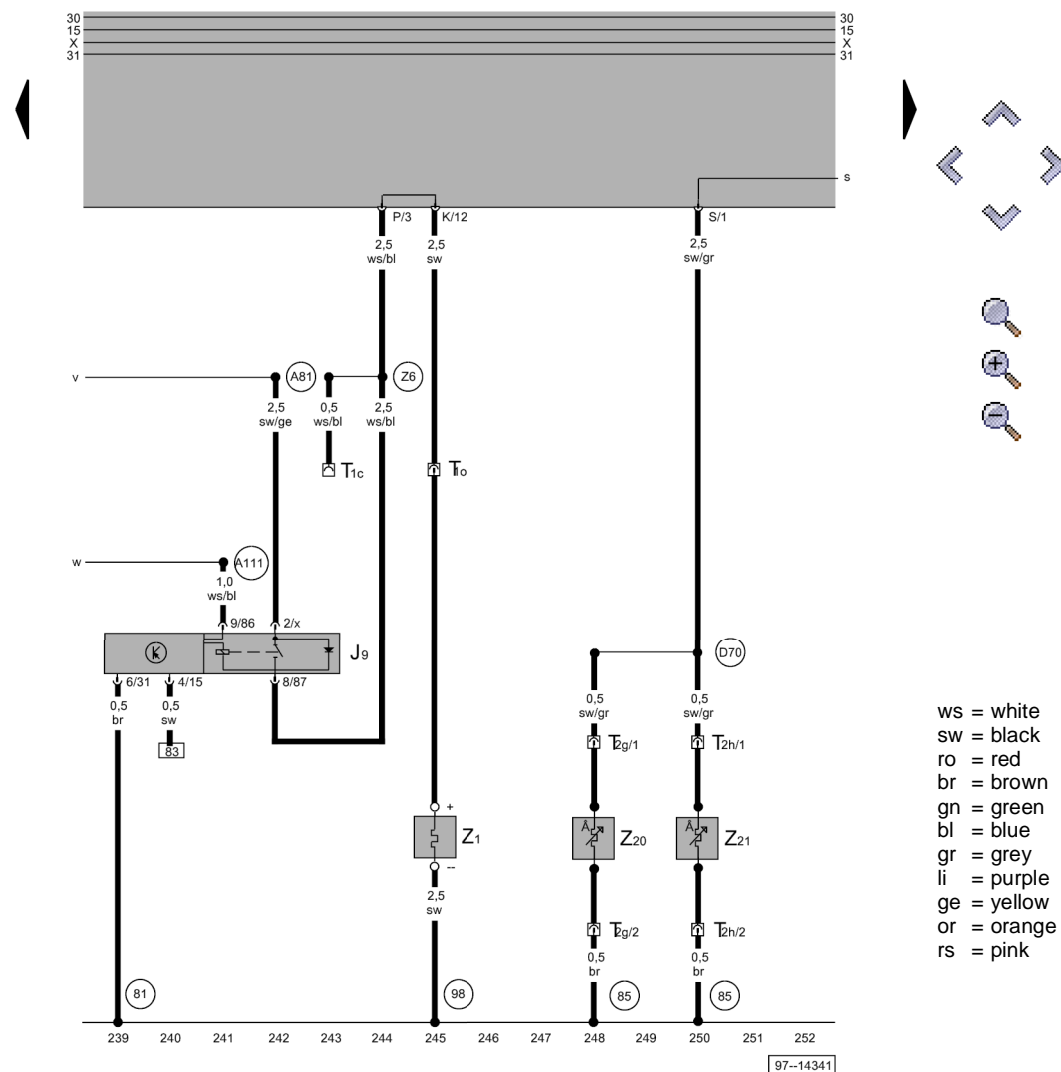
**Heated windscreen, heated windscreen and rear window switch**

- E161 - Heated rear window and exterior mirror switch
- E180 - Heated windscreen switch
- J47 - Heated windscreen relay, left behind dash panel
- J164 - Warm air blower cut-off relay, left behind dash panel (see heating and ventilation)
- K10 - Heated rear window warning lamp
- K122 - Heated windscreen warning lamp
- L39 - Heated rear window switch bulb
- T3b - 3-pin connector, behind the relay plate
- T8g - 8-pin connector, behind relay plate
- TV5 - Terminal 15a junction box, left behind dash panel
- Z2 - Heated windscreen
- 30 - Earth point -1-, next to relay plate (earth connection)
- 81 - Earth connection -1-, in dash panel wiring harness
- A81 - Positive connection -2- (X), in dash panel wiring harness
- A82 - Connection (windscreen heater), in dash panel wiring harness
- A111 - Connection -2- (windscreen heating), in dash panel wiring harness
- Z5 - Connection, in window heating wiring harness

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Current Flow Diagram

No. 42 / 19

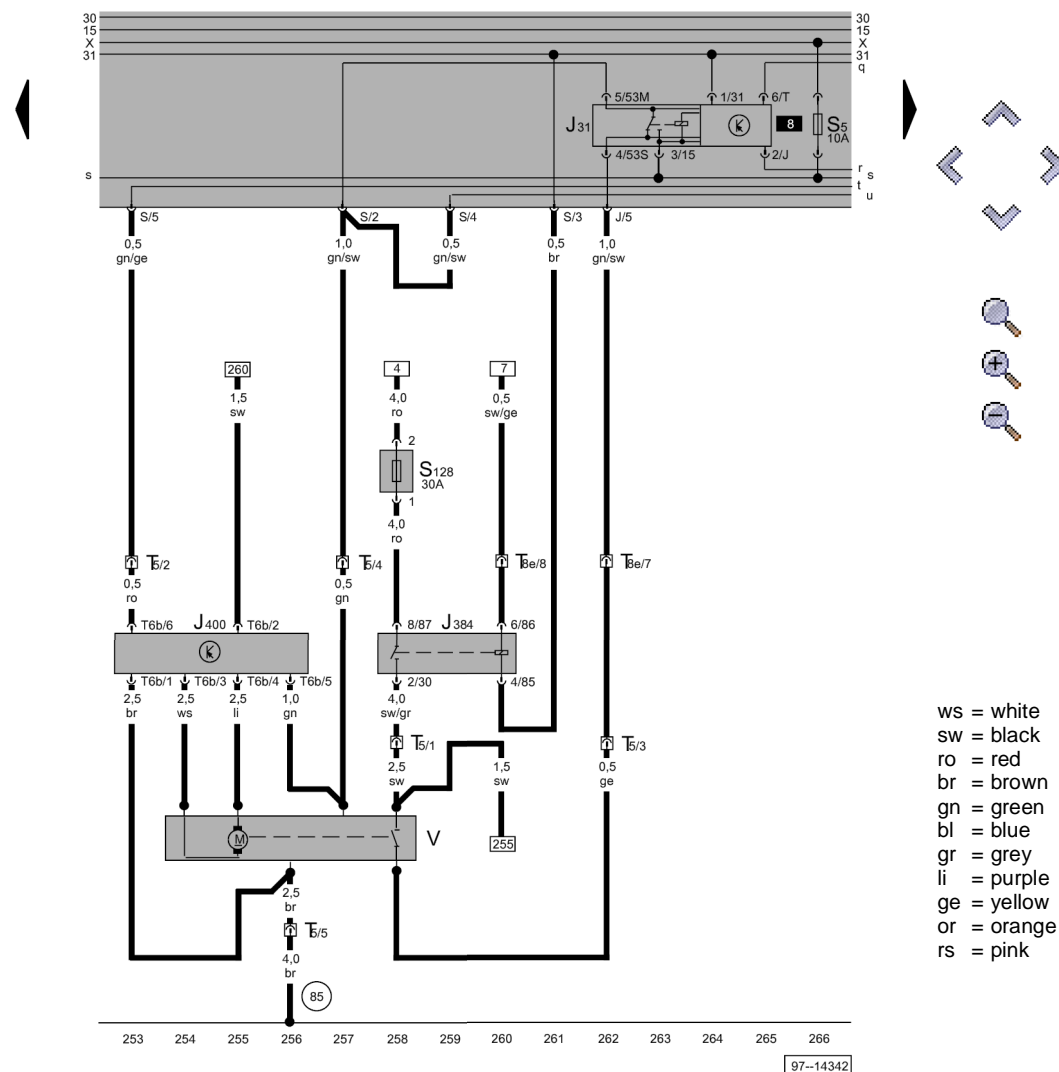
**Heated rear window, heated washer jets**

- J9 - Heated rear window relay, above relay plate
- T1c - Single connector, behind the relay plate
- T1o - Single connector, right behind lower D-pillar trim
- T2g - 2-pin connector, near left spray jet
- T2h - 2-pin connector, near right spray jet
- Z1 - Heated rear window
- Z20 - Heater element, left washer jet
- Z21 - Heater element, right washer jet
- 81 - Earth connection -1-, in dash panel wiring harness
- 85 - Earth connection -1-, in engine compartment wiring harness
- 98 - Earth connection, in tailgate/boot lid wiring harness
- A81 - Positive connection -2- (X), in dash panel wiring harness
- A111 - Connection -2- (window heating), in dash panel wiring harness
- D70 - Connection (53a), in engine compartment wiring harness
- Z6 - Positive connection (x), in window heating wiring harness

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Current Flow Diagram

No. 42 / 20

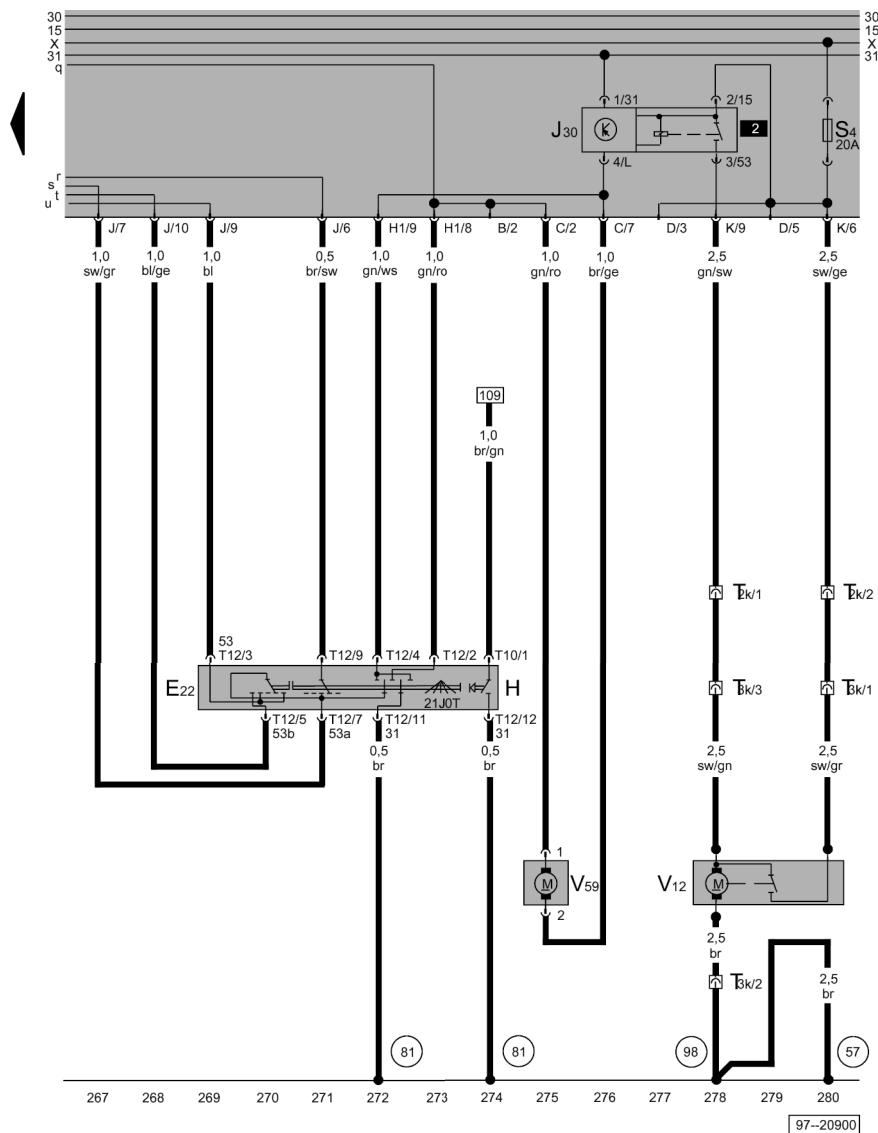
**Windscreen wash/wipe system**

- J31 - Automatic intermittent wash/wipe relay
- J384 - Wiper motor relief relay, above the relay plate
- J400 - Wiper motor control unit, on wiper frame with rods
- S128 - Wiper motor fuse, above the relay plate
- T5 - 5-pin connector, near windscreen wiper motor
- T6b - 6-pin connector
- T8e - 8-pin connector, behind the relay plate
- V - Windscreen wiper motor
- 85 - Earth connection -1-, in engine compartment wiring harness

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Current Flow Diagram

No. 42 / 21

**Rear window wipe/wash system**

- E22 - Intermittent wiper switch
- H - Horn plate
- J30 - Rear window wiper/washer relay
- T2k - 2-pin connector, behind right lower D-pillar trim
- T3k - 3-pin connector, on rear window wiper motor
- T10 - 10-pin connector
- T12 - 12-pin connector
- V12 - Rear window wiper motor
- V59 - Windscreen and rear window washer pump
- 57 - Earth point, left rear pillar
- 81 - Earth connection -1-, in dash panel wiring harness
- 98 - Earth connection, in tailgate/boot lid wiring harness

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 rs = pink