

Golf/Vento

Current Flow Diagram

No. 2 / 1**Edition 07.2006**

1.8 l/55 kW Mono-Motronic, engine code AAM

from October 1991

1.8 l/66 kW Mono-Motronic, engine code ABS

from October 1991

Notes:

For information concerning

- ◆ Position of relays and fuses
- ◆ Multi-pin connections
- ◆ Control units and relays
- ◆ Earth connections

→ List of Fitting Locations!

For information concerning

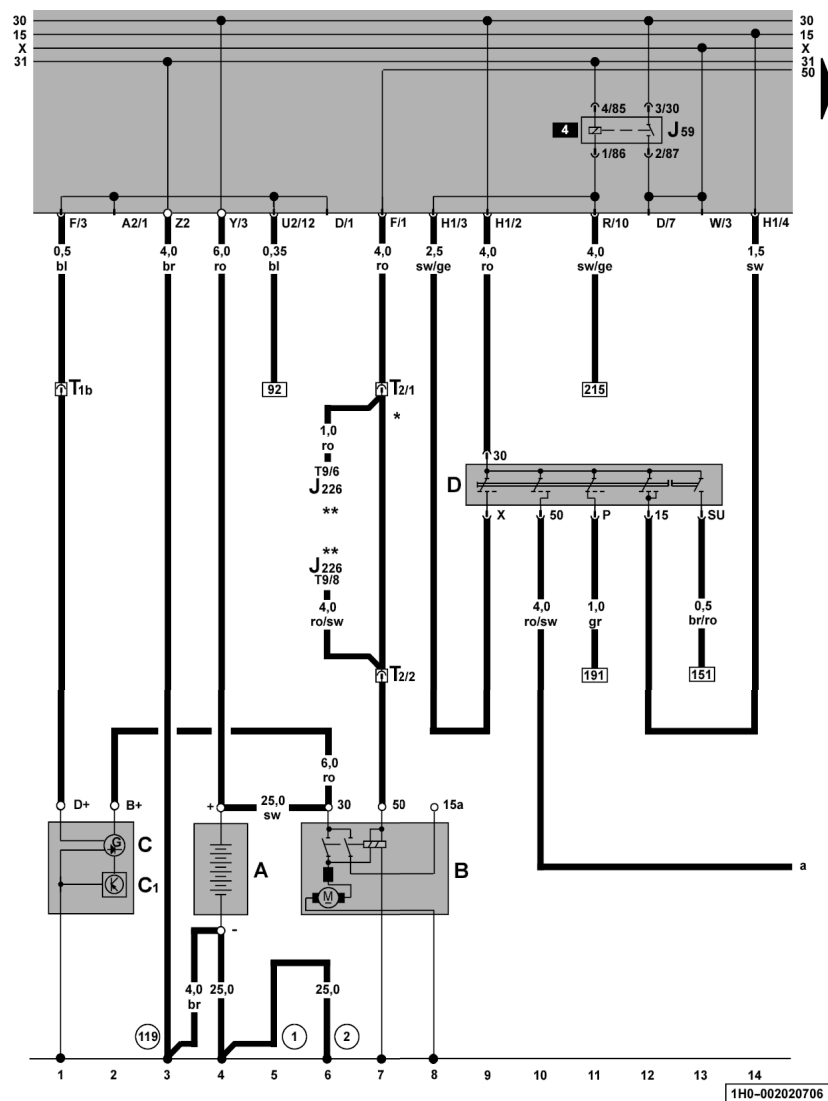
- ◆ Fault Finding Programs

→ guided fault finding

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Alternator, battery, starter, ignition/starter switch

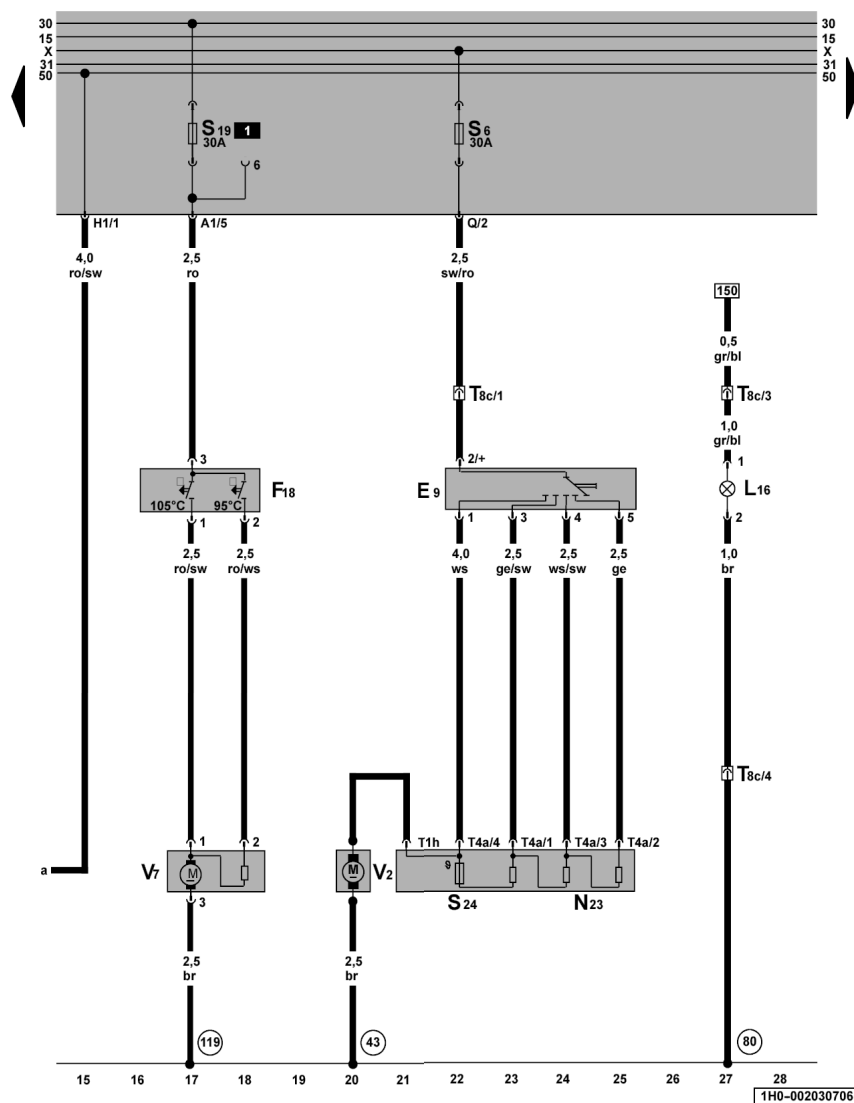
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- J59 - X-contact relief relay
- J226 - Starter inhibitor and reversing light relay
- T1b - Single connector, near battery
- T2 - 2-pin connector, behind the relay plate
- T9 - 9-pin connector, on starter inhibitor and reversing light relay
- 1 - Earth strap, battery - body
- 2 - Earth strap, gearbox - body
- 119 - Earth connection 3, in headlight wiring harness
- * - only manual gearbox
- ** - only automatic gearbox

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

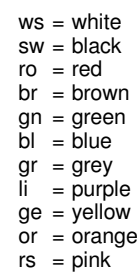
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Radiator fan, fresh air blower

- E9 - Fresh air blower switch
- F18 - Thermal switch for radiator fan
- L16 - Fresh air regulator illumination bulb
- N23 - Fresh air blower series resistor
- S24 - Overheating sensor
- T8c - 8-pin connector, behind centre dash panel
- V2 - Fresh air blower
- V7 - Radiator fan
- 43 - Earth point, lower part of right A-pillar
- 80 - Earth connection 1, in dash panel wiring harness
- 119 - Earth connection 1, in headlight wiring harness

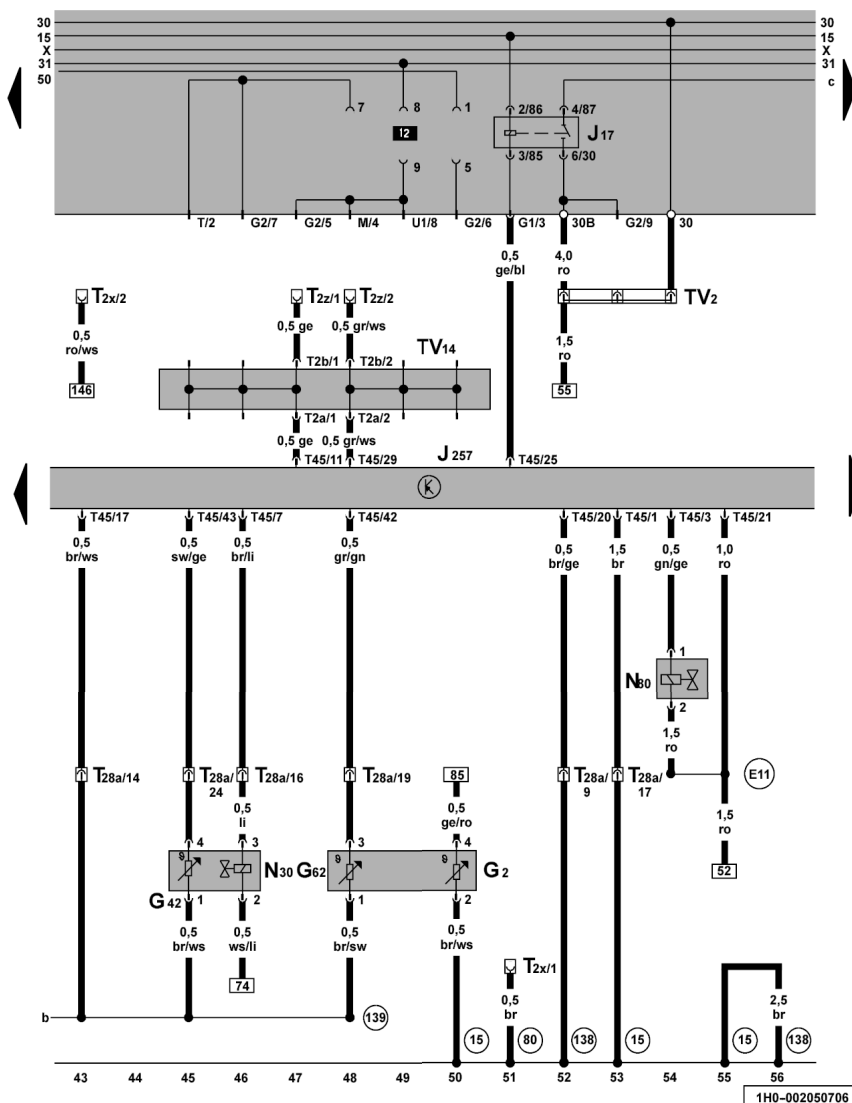
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F60	- Idling speed switch
G69	- Throttle valve potentiometer
J81	- Intake manifold preheating relay
J257	- Mono-Motronic control unit
N51	- Intake manifold preheating heater element
T1d	- 1-pin connector, near intake manifold
T2n	- 2-pin connector, behind the relay plate
T8a	- 8-pin connector, behind the relay plate
T28a	- 28-pin connector, on engine
T45	- 45-pin connector
V60	- Throttle valve positioner
138	- Earth connection (control unit), in Mono-Motronic wiring harness
139	- Earth connection (sender earth), in Mono-Motronic wiring harness
E12	- Positive connection 1 (15), in Mono-Motronic wiring harness
*	- only manual gearbox
**	- only automatic gearbox

- * - only manual gearbox
- ** - only automatic gearbox

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ws = white
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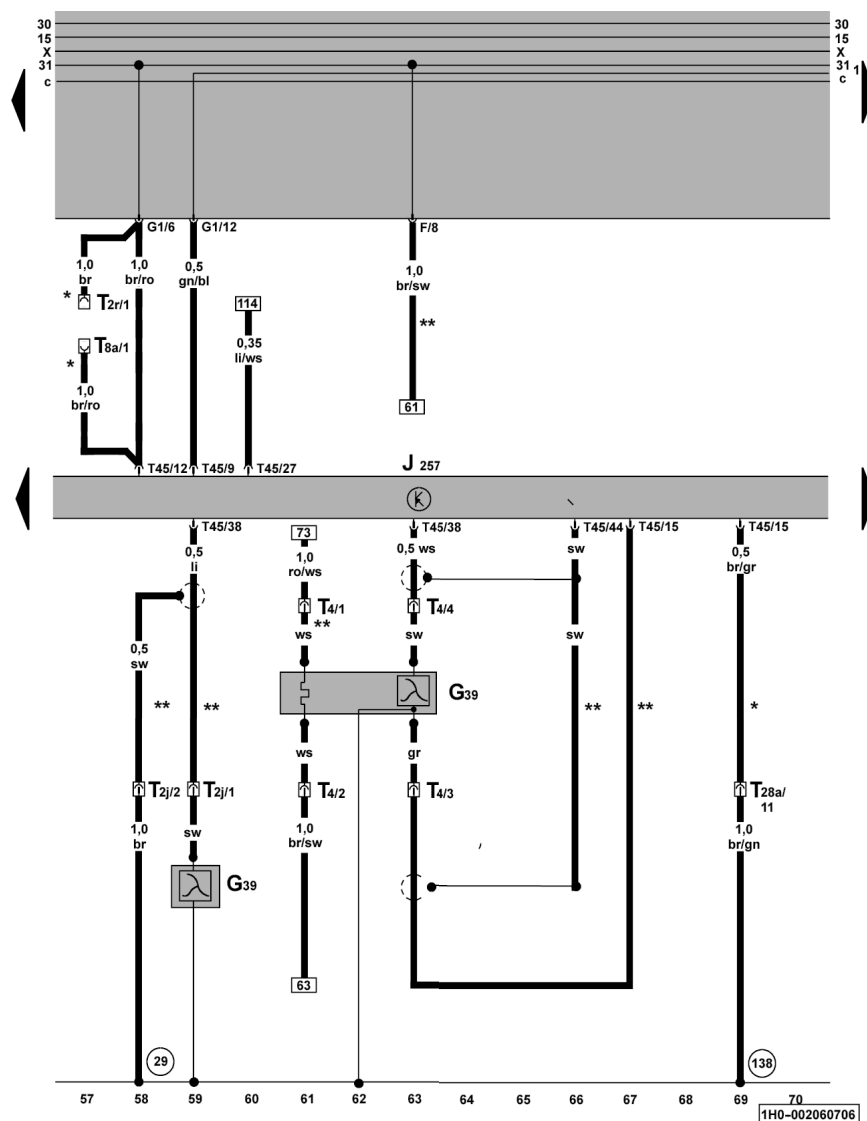
Mono-Motronic control unit, injectors

- G2 - Coolant temperature display sender
- G42 - Intake air temperature sender
- G62 - Coolant temperature sender
- J17 - Fuel pump relay
- J257 - Mono-Motronic control unit
- N30 - Injector
- N80 - Activated charcoal filter system solenoid valve 1 (pulsed)
- T2a - 2-pin connector
- T2b - 2-pin connector
- T2x - 2-pin connector, behind centre dash panel - self-diagnosis connection - *
- T2z - 2-pin connector, behind centre dash panel - self-diagnosis connection - *
- T28 - 28-pin connector, on engine
- T45 - 45-pin connector
- TV2 - Terminal 30 wiring junction, behind the relay plate
- TV14 - Self-diagnosis wiring junction, above the relay plate
- 15 - Earth point, on cylinder head
- 80 - Earth connection 1, in dash panel wiring harness
- 138 - Earth connection (control unit), in Mono-Motronic wiring harness
- 139 - Earth connection (sender earth), in Mono-Motronic wiring harness
- E11 - Positive connection (30), in Mono-Motronic wiring harness
- * - from model year 1994 see Current Flow Diagram self-diagnosis -connection bus!

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Mono-Motronic control unit, lambda probe

- G39 - Lambda probe or
 - Lambda probe, with heater
- J257 - Mono-Motronic control unit
- T2j - 2-pin connector, near intake manifold
- T2r - 2-pin connector, behind the relay plate
- T4 - 4-pin connector, near intake manifold
- T8a - 8-pin connector, behind the relay plate
- T28a - 28-pin connector, on engine
- T45 - 45-pin connector
- 29 - Earth point, near exhaust manifold
- 138 - Earth connection (control unit), in Mono-Motronic wiring harness
- * - only automatic gearbox
- ** - Depends on equipment

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rs = pink

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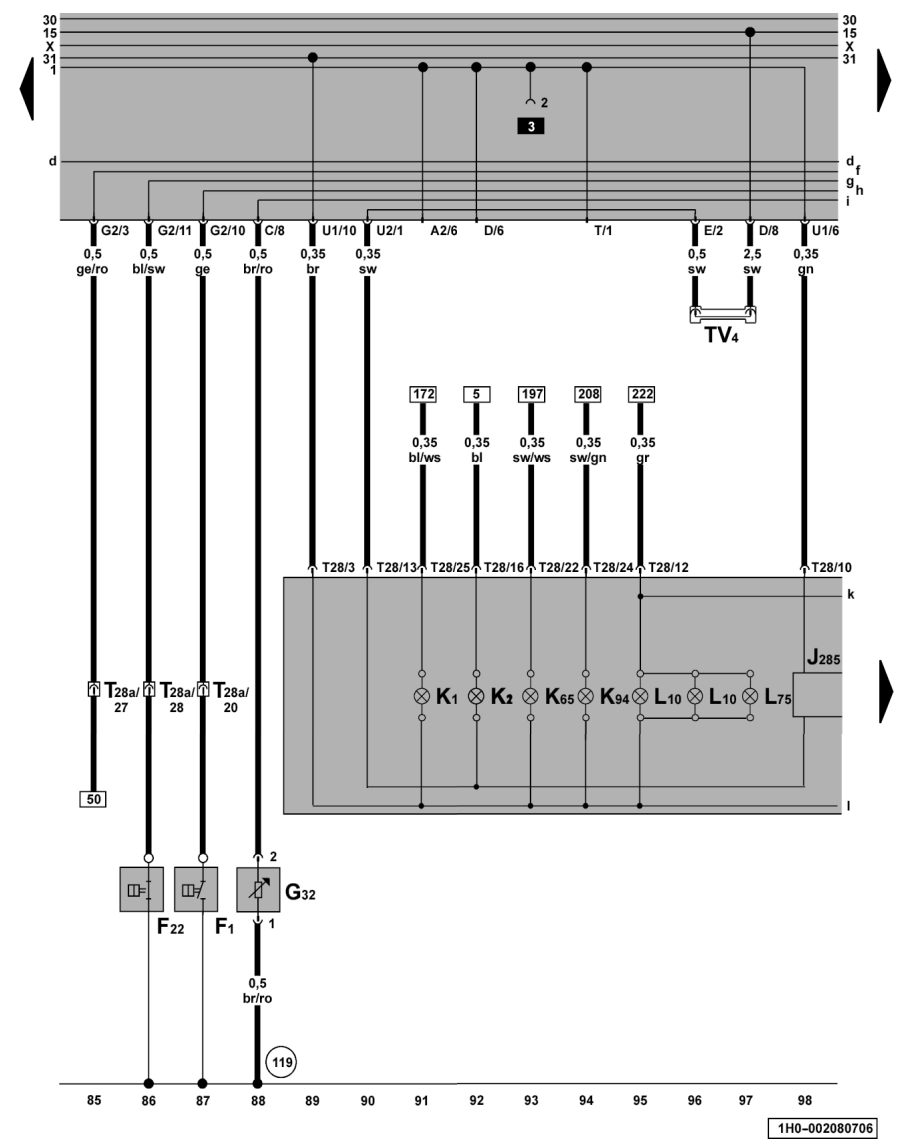
Current Flow Diagram

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Current Flow Diagram

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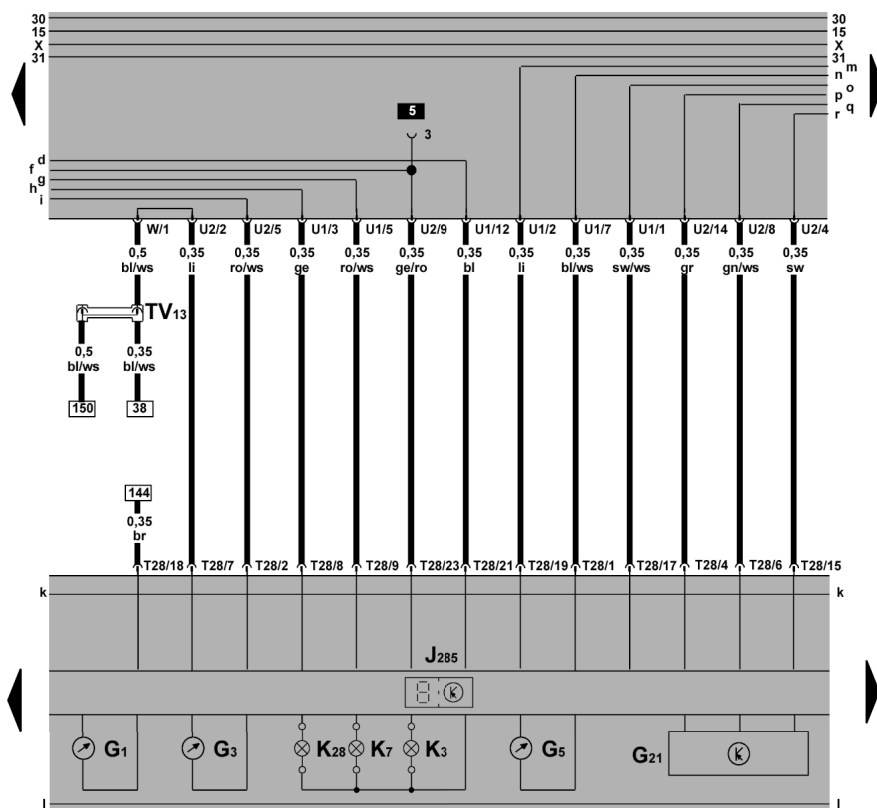


- Oil pressure switch, dash panel insert, warning lamps**
- F1 - Oil pressure switch
 - F22 - Oil pressure switch (0.3 bar)
 - G32 - Coolant shortage indicator sender
 - J285 - Control unit with display in dash panel insert
 - K1 - Main beam warning lamp
 - K2 - Alternator warning lamp
 - K65 - Left turn signal warning lamp
 - K94 - Right turn signal warning lamp
 - L10 - Dash panel insert illumination bulb
 - L75 - Digital display illumination bulb
 - T28 - 28-pin connector, on dash panel insert
 - T28a - 28-pin connector, on engine
 - TV4 - Terminal 15 wiring junction
 - 119 - Earth connection 1, in headlight wiring harness

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Dash panel insert, fuel gauge, coolant temperature gauge, rev. counter, speedometer, warning lamps

- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G21 - Speedometer
- J285 - Control unit with display in dash panel insert
- K3 - Oil pressure warning lamp
- K7 - Dual circuit brake/handbrake warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- T28 - 28-pin connector, on dash panel insert
- TV13 - Speed signal wiring junction, above the relay plate

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

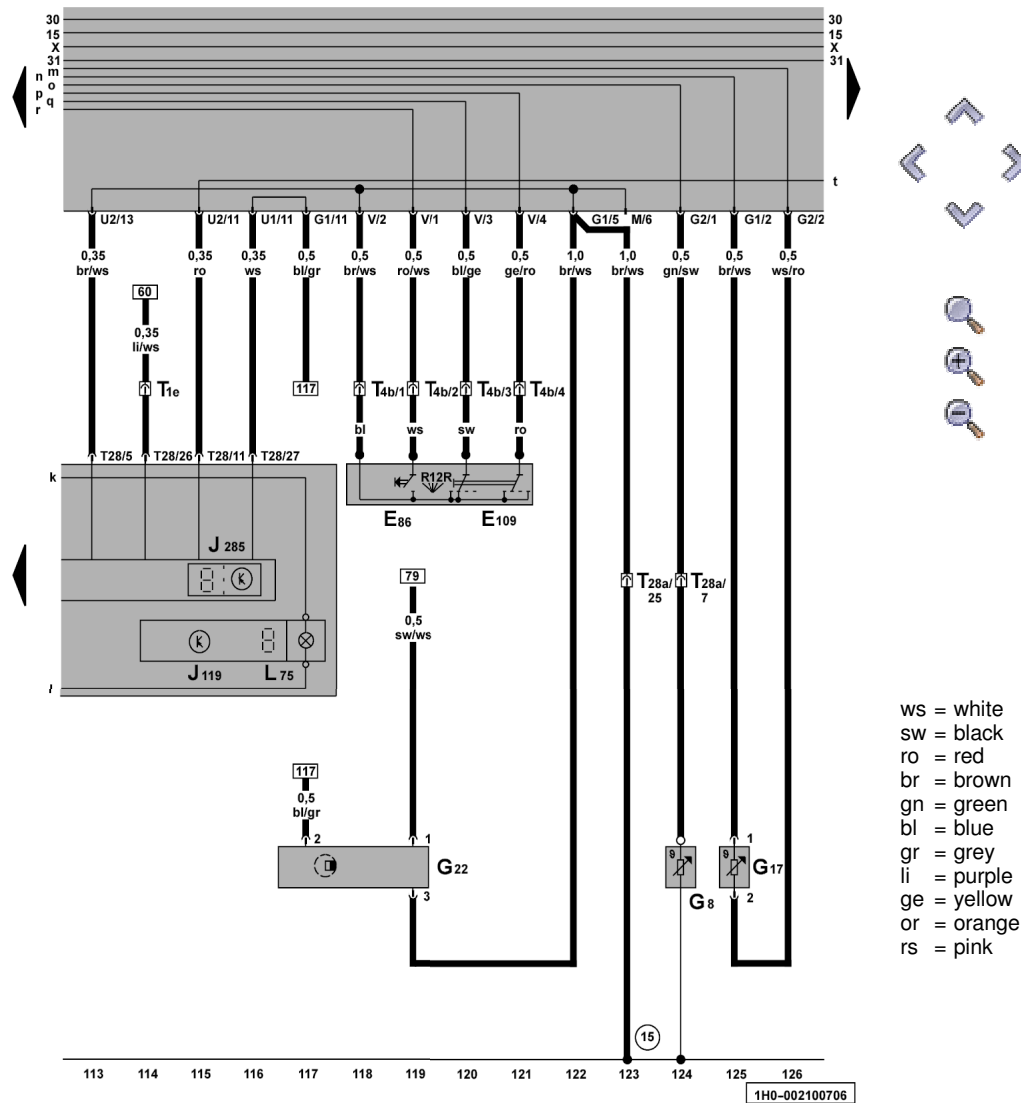
99 100 101 102 103 104 105 106 107 108 109 110 111 112

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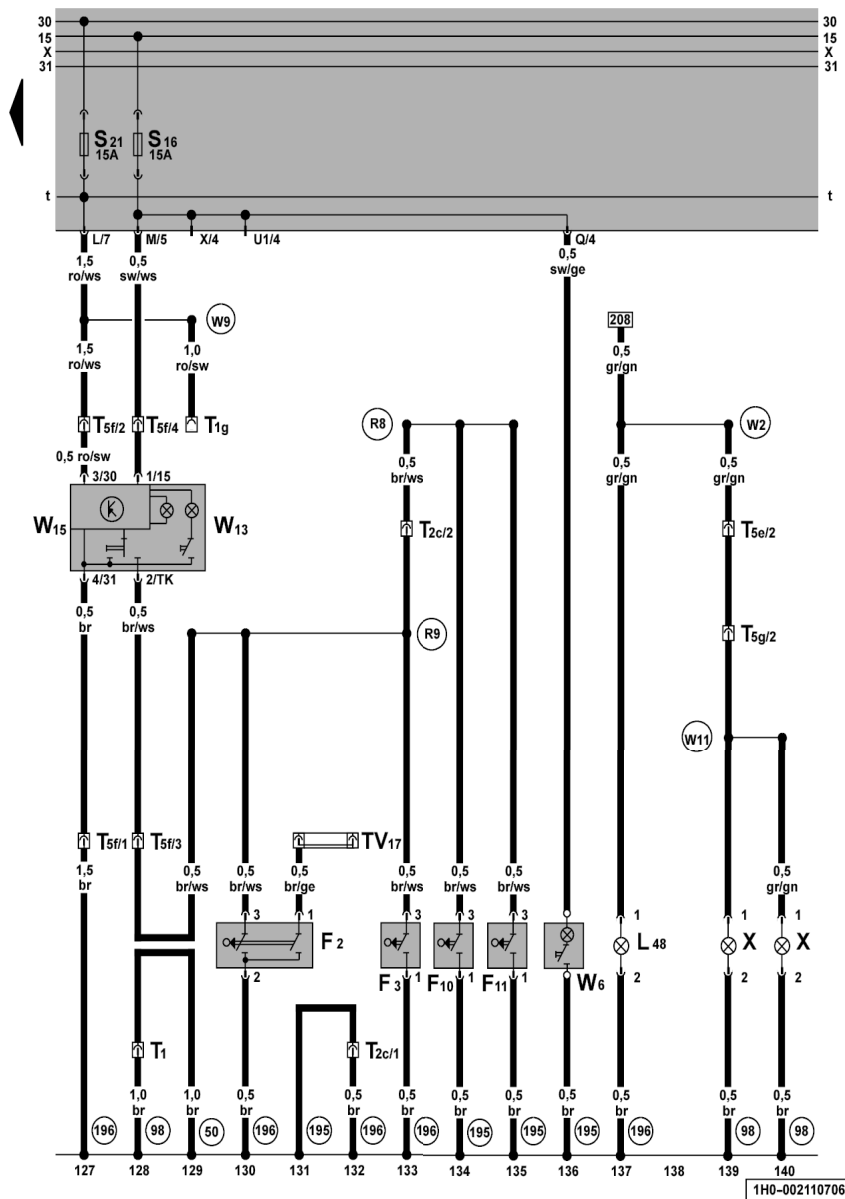
Dash panel insert, multifunction display, speedometer sender, ambient temperature sensor, oil temperature sender

- E86 - Multifunction display call-up button
- E109 - Multifunction display memory switch
- G8 - Oil temperature sender
- G17 - Ambient temperature sensor
- G22 - Speedometer sender
- J119 - Multifunction display
- J285 - Control unit with display in dash panel insert
- L75 - Digital display illumination bulb
- T1e - 1-pin connector, behind the dash panel
- T4b - 4-pin connector, behind steering column switch trim
- T28 - 28-pin connector, on dash panel insert
- T28a - 28-pin connector, on engine
- 15 - Earth point, on cylinder head

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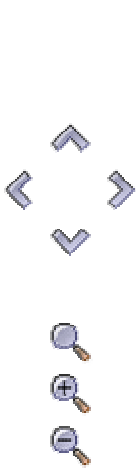
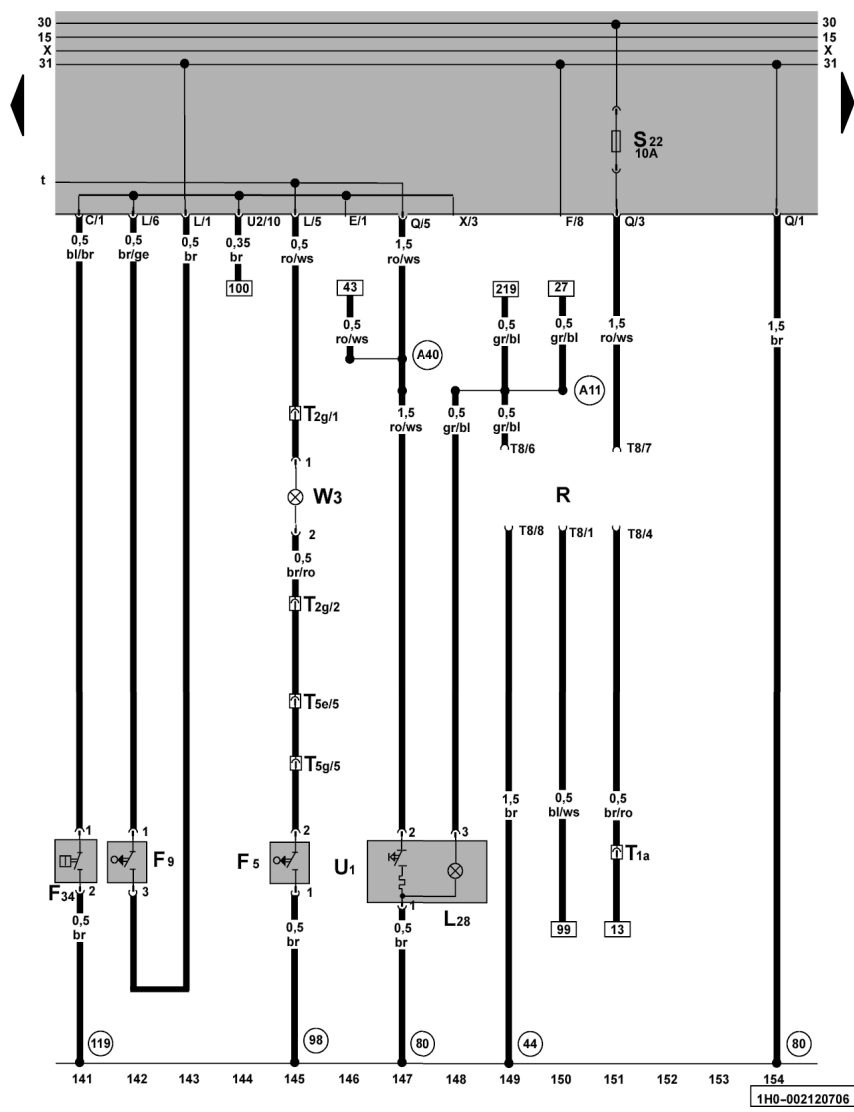
Rear interior light, rear ashtray illumination, number plate lights

- F2 - Front left contact switch
- F3 - Front right contact switch
- F10 - Rear left door contact switch
- F11 - Rear right door contact switch
- L48 - Ashtray illumination bulb, rear
- T1 - 1-pin connector, on left in luggage compartment
- T1g - Single connector, behind the relay plate, connection for central locking
- T2c - 2-pin connector, on left C-pillar
- T4a - 4-pin connector, behind the relay plate
- T5e - 5-pin connector, on rear cross-panel
- T5f - 5-pin connector, above the relay plate
- T5g - 5-pin connector, on left in luggage compartment
- TV17 - Door contact switch wiring junction, above the relay plate
- W6 - Glove compartment light
- W13 - Front passenger reading light
- W15 - Interior light with switch-off delay
- X - Number plate light
- 50 - Earth point, on left in luggage compartment
- 98 - Earth connection, in rear lid wiring harness
- 195 - Earth connection, in rear door switch wiring harness
- 196 - Earth connection 1, in rear wiring harness
- R8 - Connection (door contact switch), in rear door contact switch wiring harness
- R9 - Connection (door contact switch), in rear wiring harness
- W2 - Positive connection (58), in rear wiring harness
- W9 - Positive connection (30), in rear wiring harness
- W11 - Connection (58), in rear lid wiring harness

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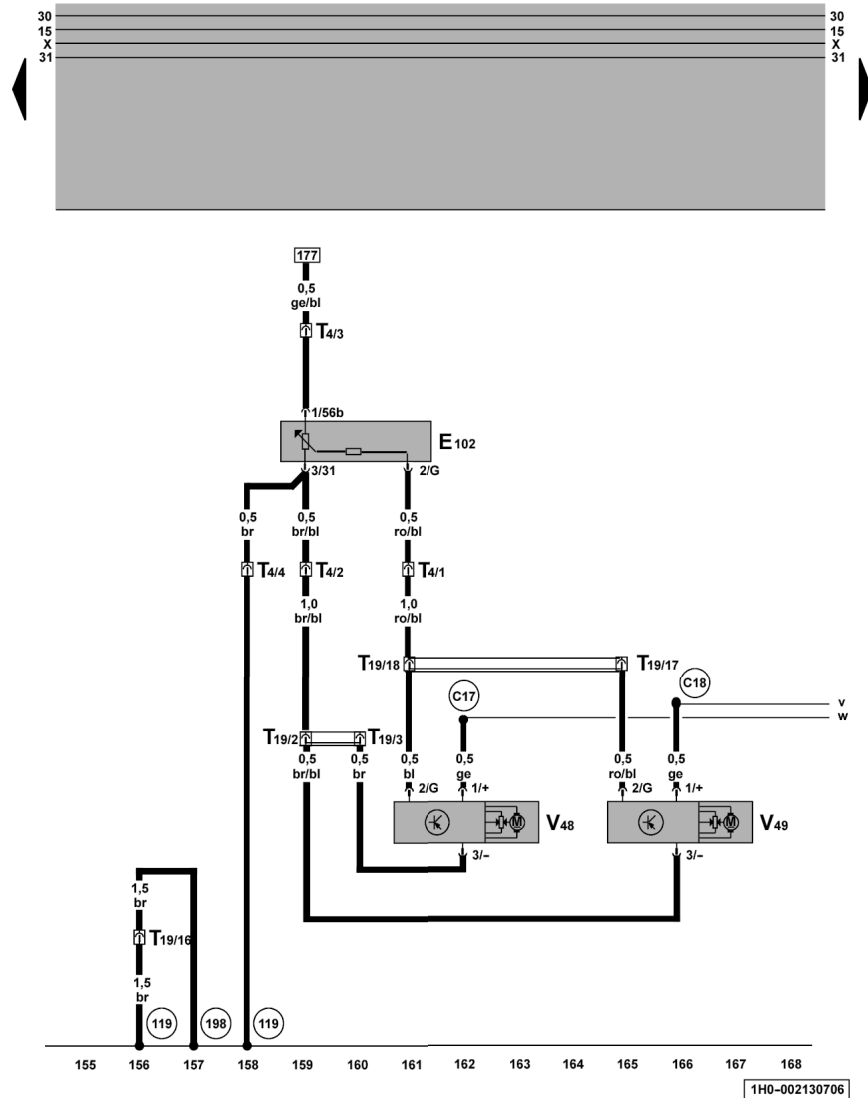
- Handbrake warning switch and brake fluid level warning contact, luggage compartment light, connection for radio, cigarette lighter**
- F5 - Luggage compartment light switch
 - F9 - Handbrake warning switch
 - F34 - Brake fluid level warning contact
 - L28 - Cigarette lighter illumination bulb
 - R - Radio
 - T1a - 1-pin connector, above the relay plate
 - T2g - 2-pin connector, on left in luggage compartment
 - T5e - 5-pin connector, on rear cross-panel
 - T5g - 5-pin connector, on left in luggage compartment
 - T8 - 8-pin connector, on radio
 - U1 - Cigarette lighter
 - W3 - Luggage compartment light
 - 44 - Earth point, lower part of left A-pillar
 - 80 - Earth connection 1, in dash panel wiring harness
 - 98 - Earth connection, in rear lid wiring harness
 - 119 - Earth connection 1, in headlight wiring harness
 - A11 - Positive connection (58b), in dash panel wiring harness
 - A40 - Positive connection -1- (30), in dash panel wiring harness

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Headlight range control

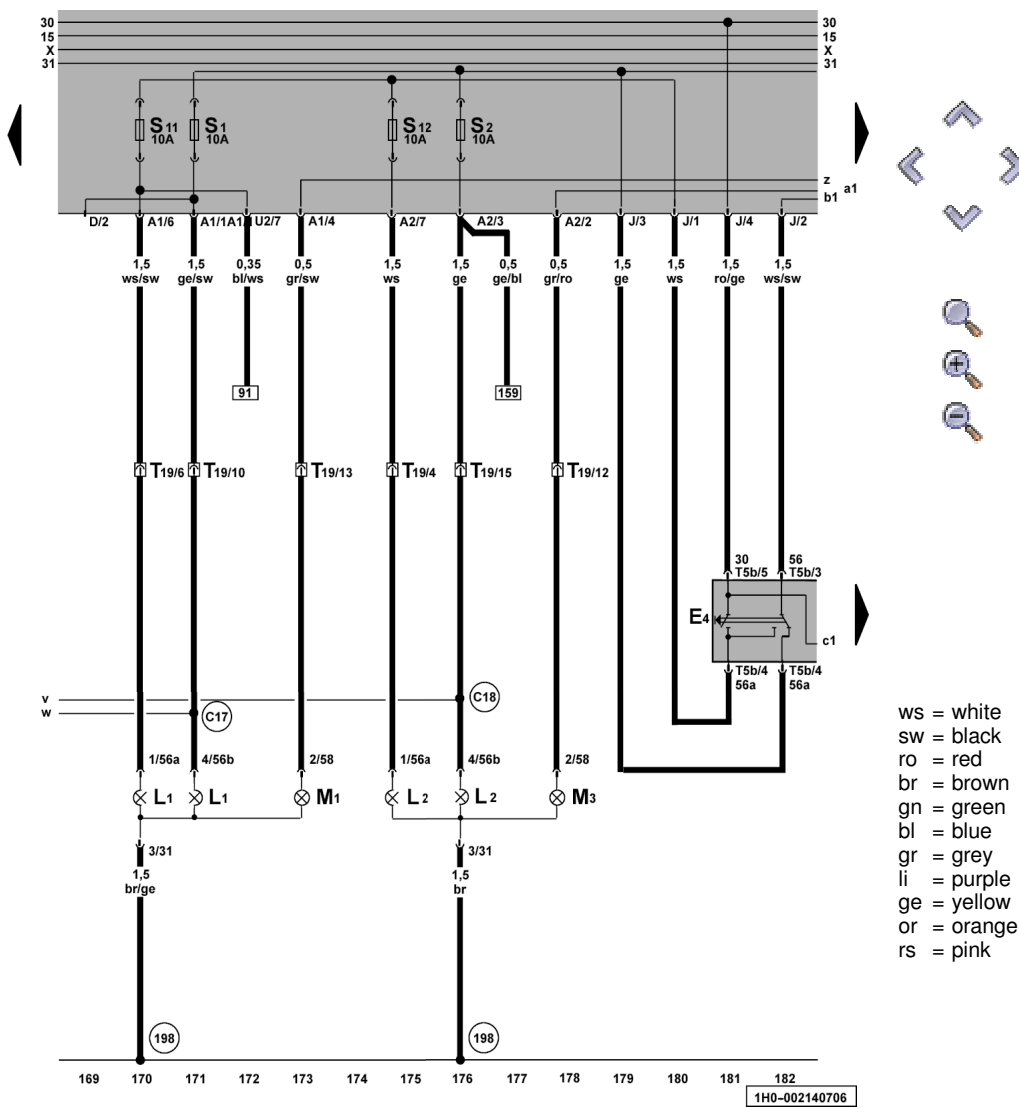
- E102 - Headlight range control regulator
- T4 - 4-pin connector, on left in bulkhead
- T19 - 19-pin connector, behind right radiator
- V48 - Left headlight range control motor
- V49 - Right headlight range control motor
- 17 - Earth point, on intake manifold
- 18 - Earth point, on engine block
- 119 - Earth connection 1, in headlight wiring harness
- 198 - Earth connection, in front lighting wiring harness

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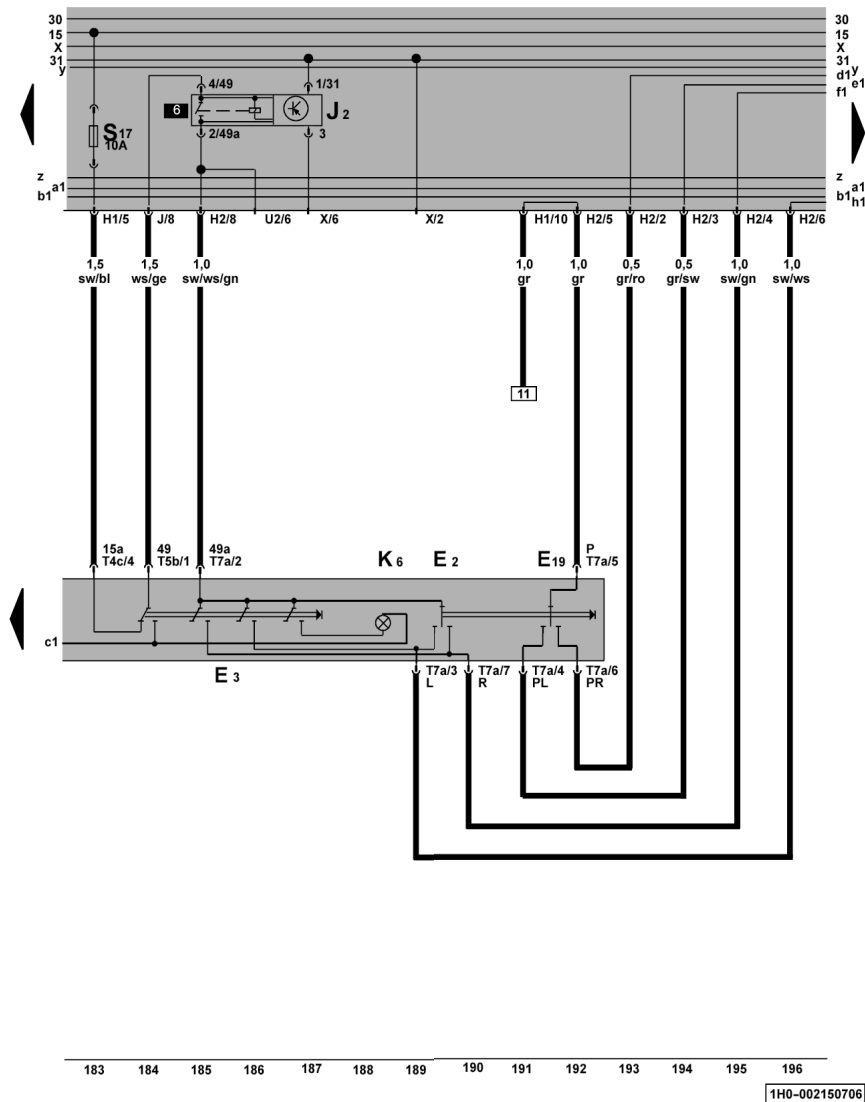
Headlight, side light, headlight dipper/flasher switch

- E4 - Headlight dipper/flasher switch
- L1 - Left twin filament bulb
- L2 - Right twin filament bulb
- M1 - Left side light bulb
- M3 - Right side light bulb
- T5b - 5-pin connector, behind steering column switch trim
- T19 - 19-pin connector, behind right radiator
- 198 - Earth connection, in front lighting wiring harness
- C17 - Connection (56b) 1, in front lighting wiring harness
- C18 - Connection (56b) 2, in front lighting wiring harness

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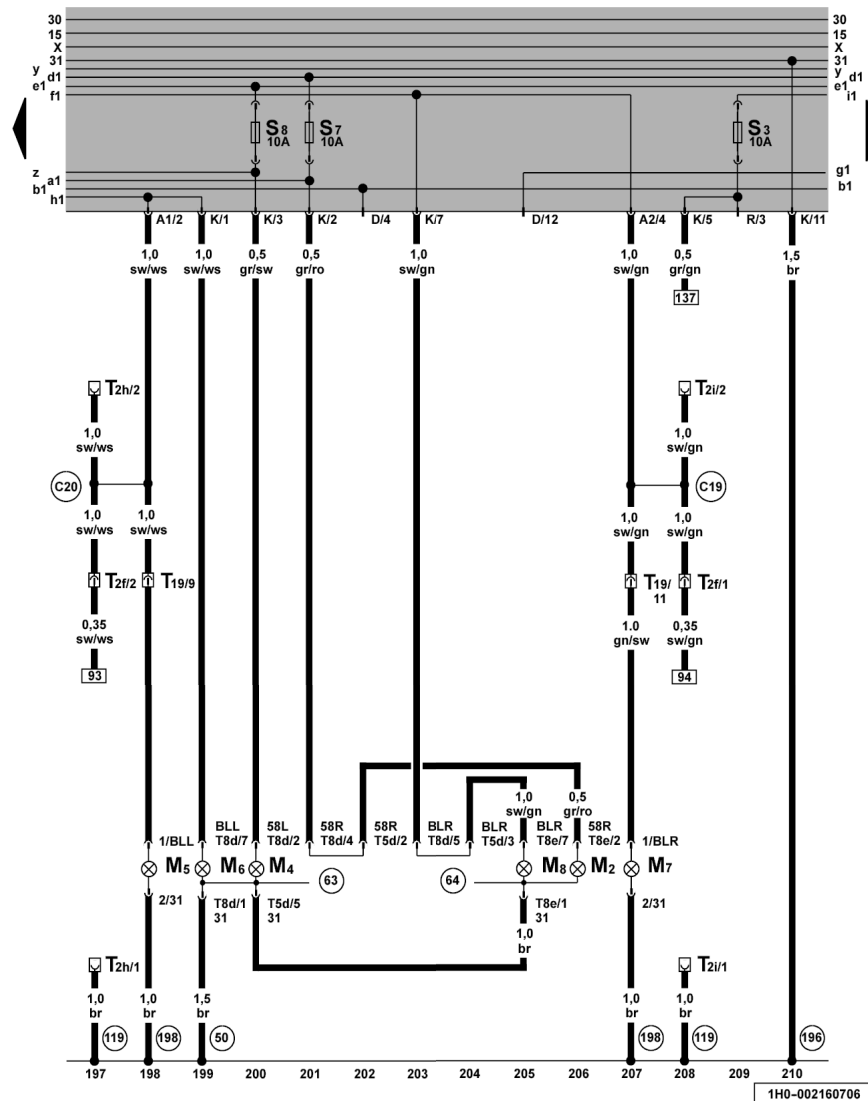
Turn signal system and hazard warning lights system, parking light switch

- E2 - Turn signal switch
- E3 - Hazard warning light switch
- E19 - Parking light switch
- J2 - Hazard warning light relay
- K6 - Hazard warning light system warning lamp
- T4c - 4-pin connector, behind steering column switch trim
- T5b - 5-pin connector, behind steering column switch trim
- T7a - 7-pin connector, behind steering column switch trim

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Turn signal, tail light

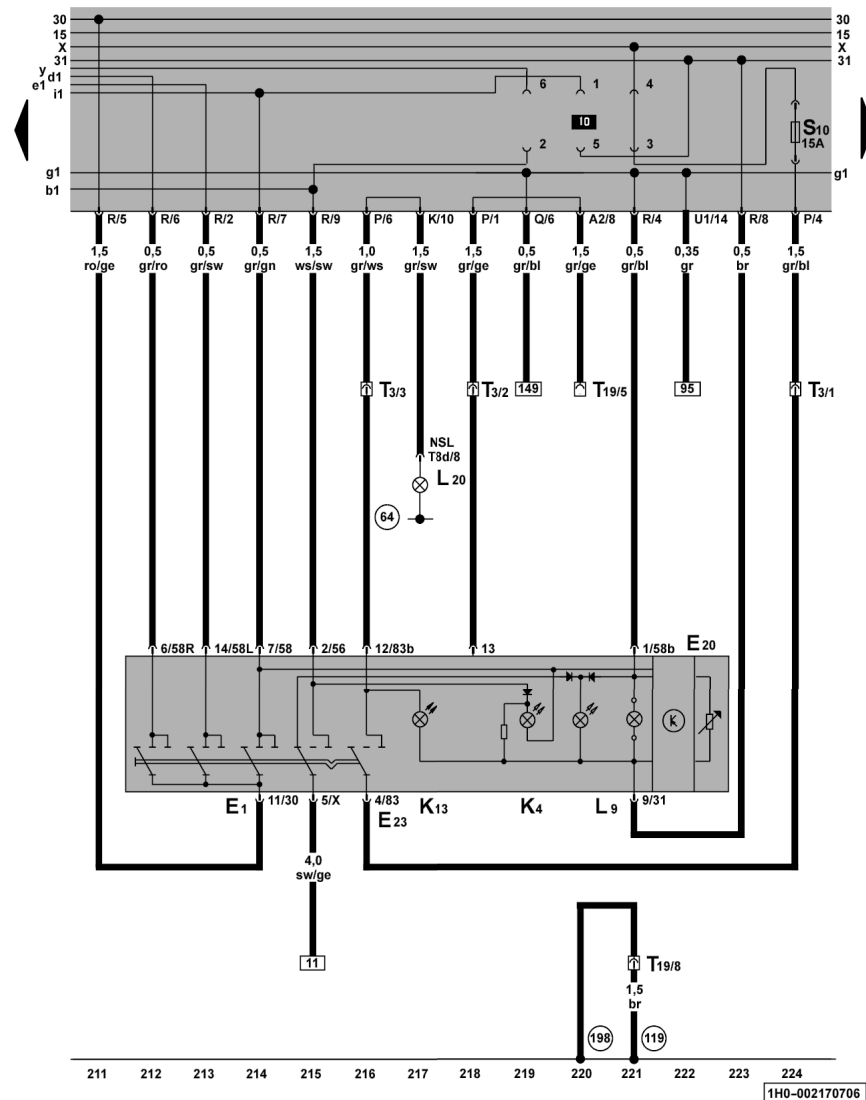
- M2 - Right tail light bulb
- M4 - Left tail light bulb
- M5 - Front left turn signal bulb
- M6 - Rear left turn signal bulb
- M7 - Front right turn signal bulb
- M8 - Rear right turn signal bulb
- T2f - 2-pin connector, behind the relay plate
- T2h - 2-pin connector, behind left suspension strut
- T2i - 2-pin connector, behind right suspension strut
- T5d - 5-pin connector, on left rear fog light
- T8d - 8-pin connector, on left rear fog light
- T8e - 8-pin connector, on right rear fog light
- T19 - 19-pin connector, behind right radiator
- 50 - Earth point, on left in luggage compartment
- 63 - Earth point, left tail light bulb holder
- 64 - Earth point, tail light bulb holder
- 119 - Earth connection 1, in headlight wiring harness
- 196 - Earth connection 1, in rear wiring harness
- 198 - Earth connection, in front lighting wiring harness
- C19 - Connection (right turn signal) in headlight wiring harness
- C20 - Connection (left turn signal) in headlight wiring harness

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 li = purple
 ge = yellow
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Current Flow Diagram

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Light switch, rear fog light

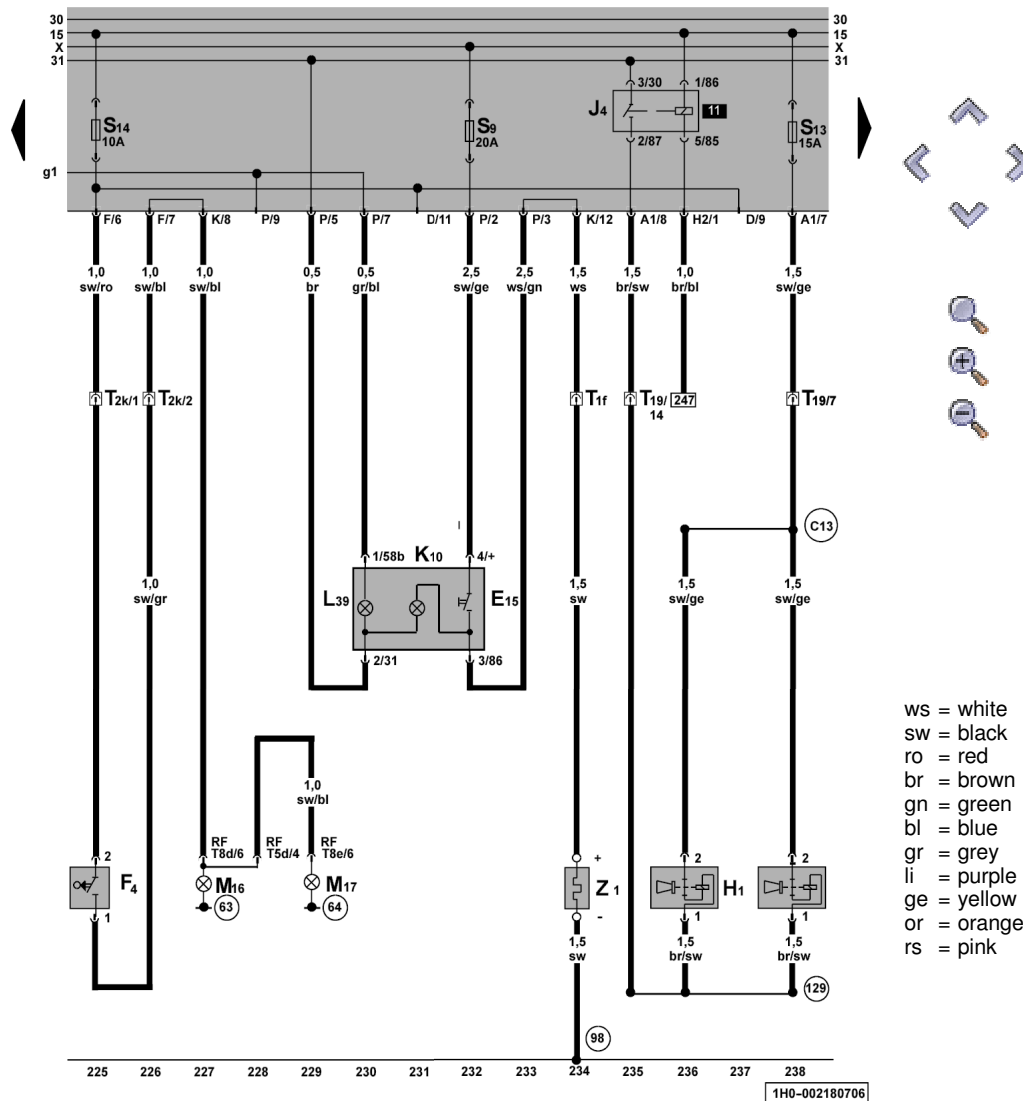
- E1 - Light switch
- E20 - Illumination regulators - switches and instruments
- E23 - Front and rear fog light switch
- K4 - Side light warning lamp
- K13 - Rear fog light warning lamp
- L9 - Light switch illumination bulb
- L20 - Rear fog light bulb
- T3 - 3-pin connector, behind left dash panel
- T8d - 8-pin connector, on left rear fog light
- T19 - 19-pin connector, behind right radiator
- 64 - Earth point, right tail light bulb holder
- 119 - Earth connection 1, in headlight wiring harness
- 198 - Earth connection, in front lighting wiring harness

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Current Flow Diagram

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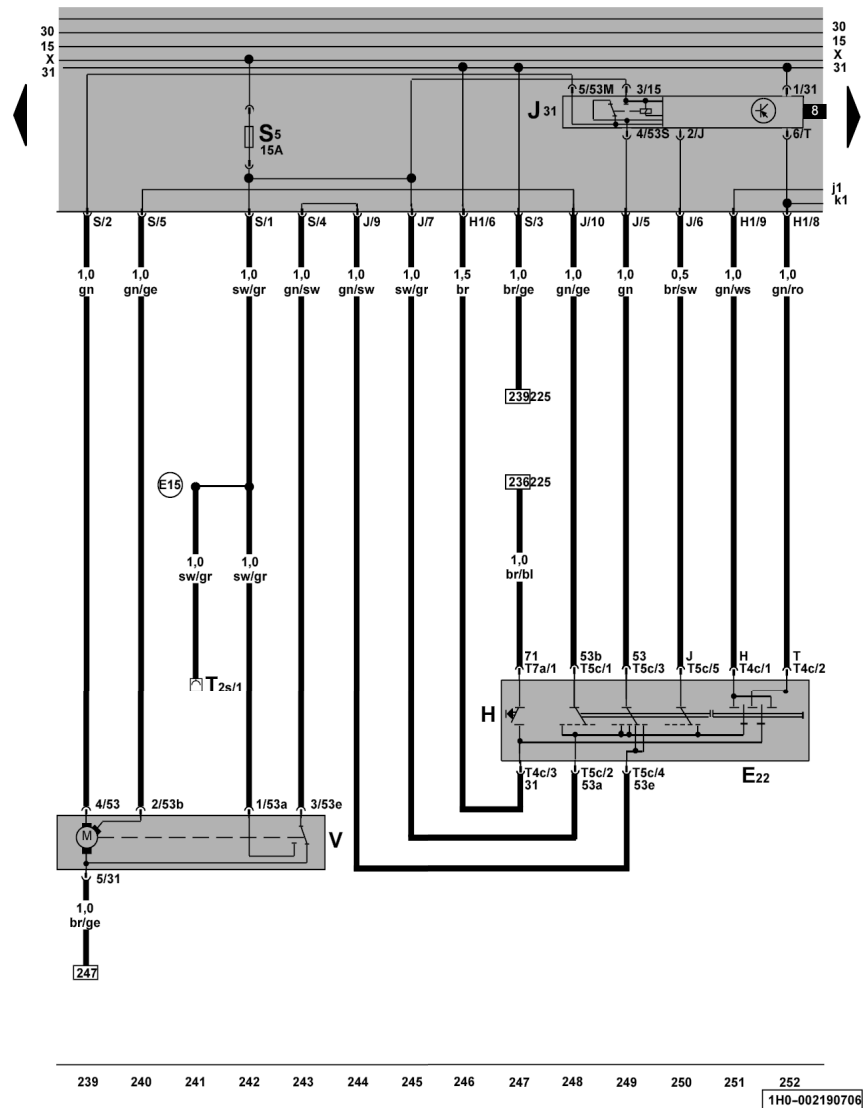
Reversing lights, heated rear window, dual tone horn

- E15 - Heated rear window switch
- F4 - Reversing light switch
- H1 - Dual tone horn
- J4 - Dual tone horn relay
- K10 - Heated rear window warning lamp
- L39 - Heated rear window switch illumination bulb
- M16 - Left reversing light bulb
- M17 - Right reversing light bulb
- T1f - Single connector, in luggage compartment, rear left
- T2k - 2-pin connector, behind the relay plate
- T5d - 5-pin connector, on left rear fog light
- T8d - 8-pin connector, on left rear fog light
- T8e - 8-pin connector, on right rear fog light
- T19 - 19-pin connector, behind right radiator
- Z1 - Heated rear window
- 63 - Earth point, left tail light bulb holder
- 64 - Earth point, right tail light bulb holder
- 98 - Earth connection, in rear lid wiring harness
- 129 - Earth connection, in dual tone horn wiring harness
- C13 - Positive connection in dual tone horn wiring harness

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Current Flow Diagram

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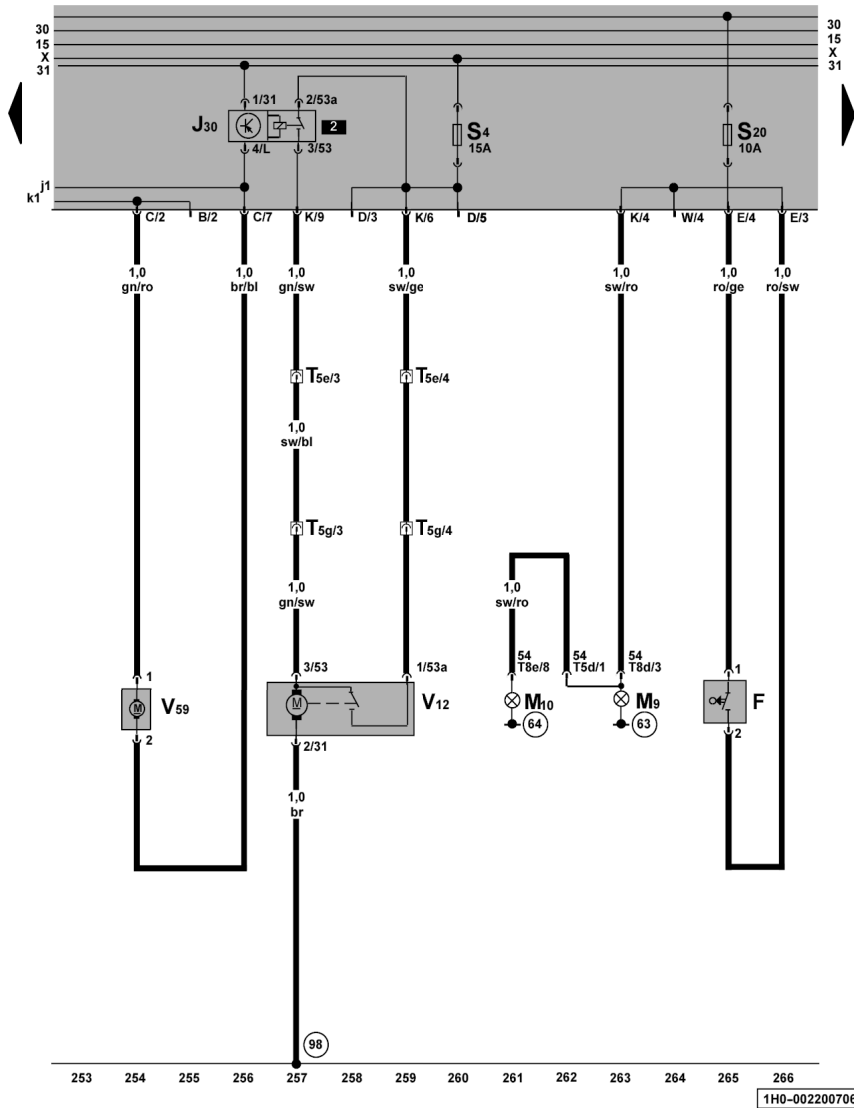
Windscreen washer/wiper system

- E22 - Intermittent wiper switch
- H - Horn plate
- J31 - Automatic intermittent wash and wipe relay
- T2s - 2-pin connector, behind the relay plate
- T4c - 4-pin connector, behind steering column switch trim
- T5c - 5-pin connector, behind steering column switch trim
- T7a - 7-pin connector, behind steering column switch trim
- V - Windscreen wiper motor
- E15 - Connection (53a), in Mono-Motronic wiring harness

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Rear window wiper and washer system, brake light

- F - Brake light switch
- J30 - Rear window wiper and washer relay
- M9 - Left brake light bulb
- M10 - Right brake light bulb
- T5d - 5-pin connector, on left rear fog light
- T5e - 5-pin connector, on rear cross-panel
- T5g - 5-pin connector, on left in luggage compartment
- T8d - 8-pin connector, on left rear fog light
- T8e - 8-pin connector, on right rear fog light
- V12 - Rear window wiper motor
- V59 - Windscreen and rear window washer pump
- 63 - Earth point, left tail light bulb holder
- 64 - Earth point, right tail light bulb holder
- 98 - Earth connection, in rear lid wiring harness