

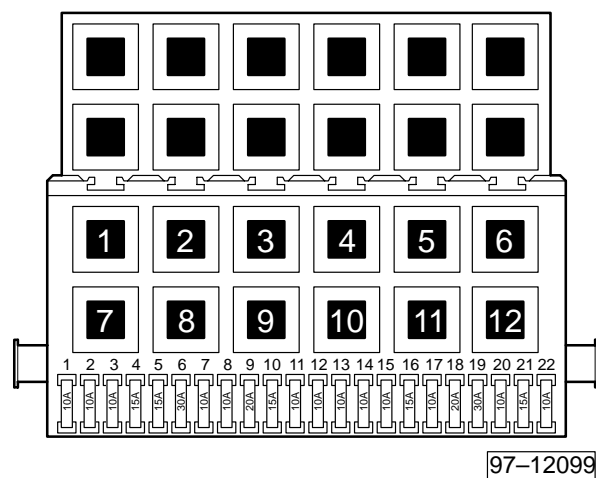
1.9 ltr./66 kW Turbo diesel engine, engine code 1Z,

to August 1996

1.9 ltr./66 kW Turbo diesel engine, engine code AHU,

from September 1996

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



3 – Terminal 30 current supply relay (109)

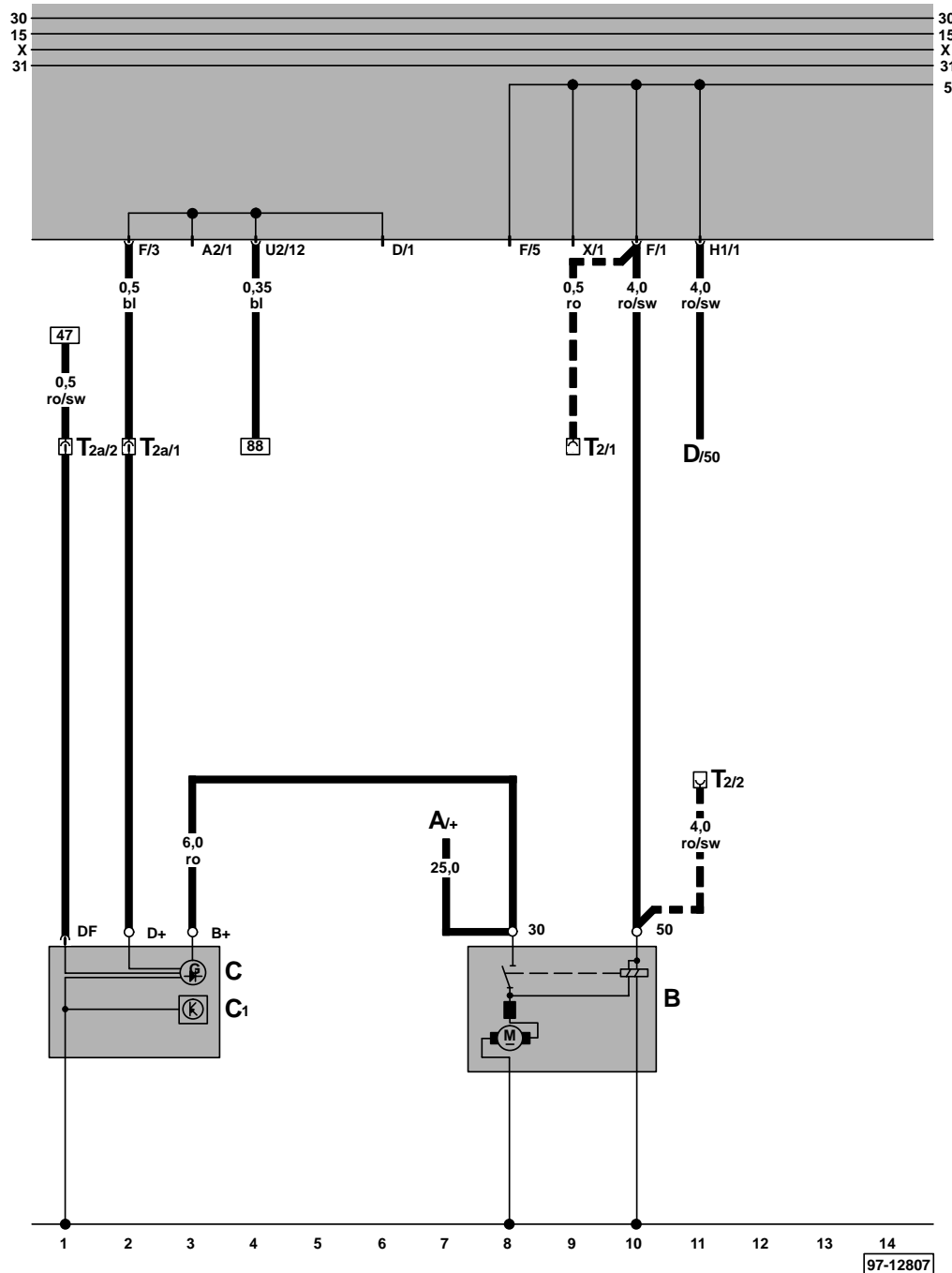
12 – Glow plugs relay (103)

Note:

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

Fuse colours

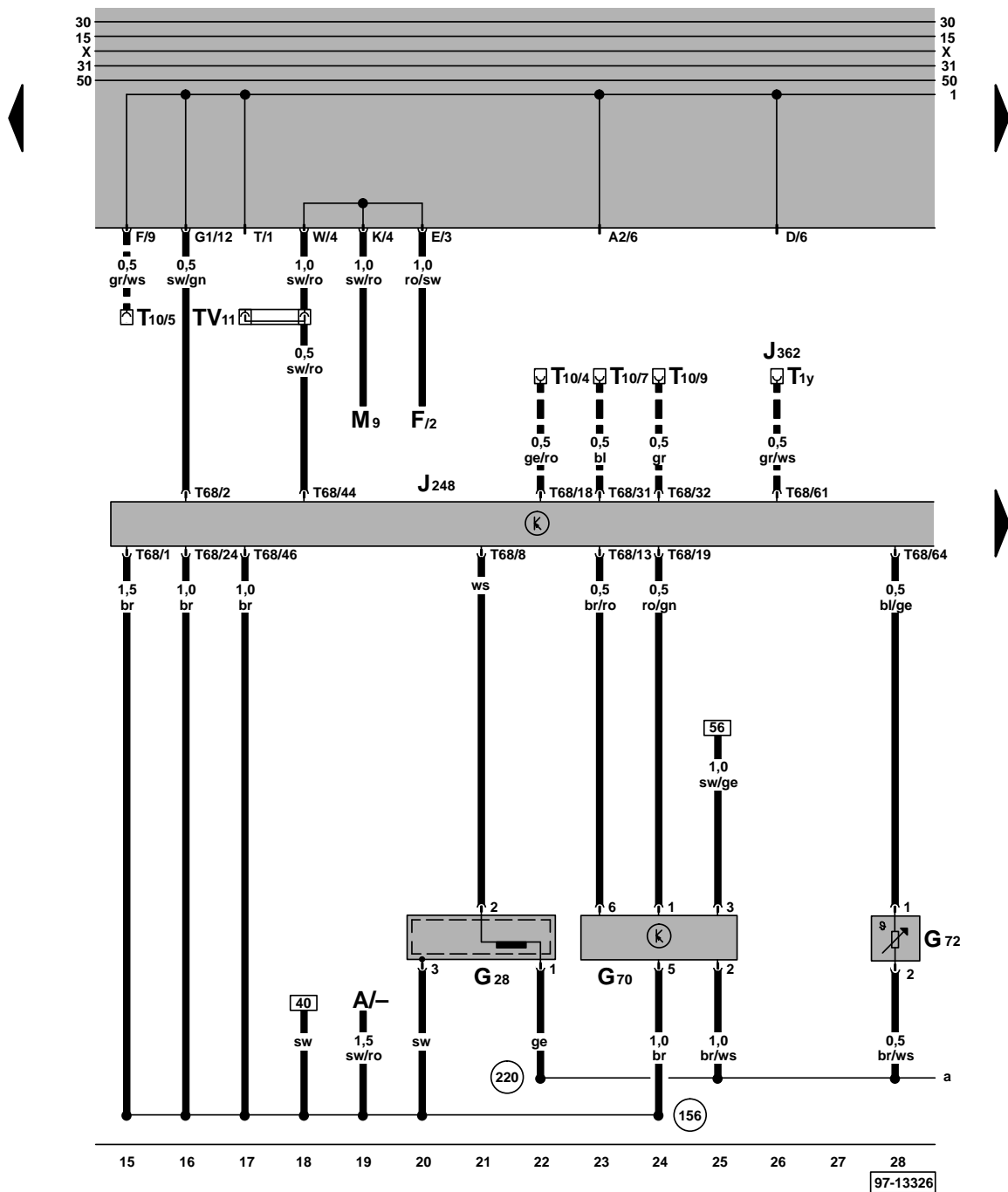
- 30 A – green
- 25 A – white
- 20 A – yellow
- 15 A – blue
- 10 A – red
- 7.5 A – brown
- 5 A – beige
- 3 A – lilac



Alternator, starter

- A - Battery
 - B - Starter
 - C - Alternator
 - C1 - Voltage regulator
 - D - Ignition/starter switch
 - T2 - 2-pin connector, behind the relay plate
 - T2a - 2-pin connector, near battery
- Automatic gearbox only

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow



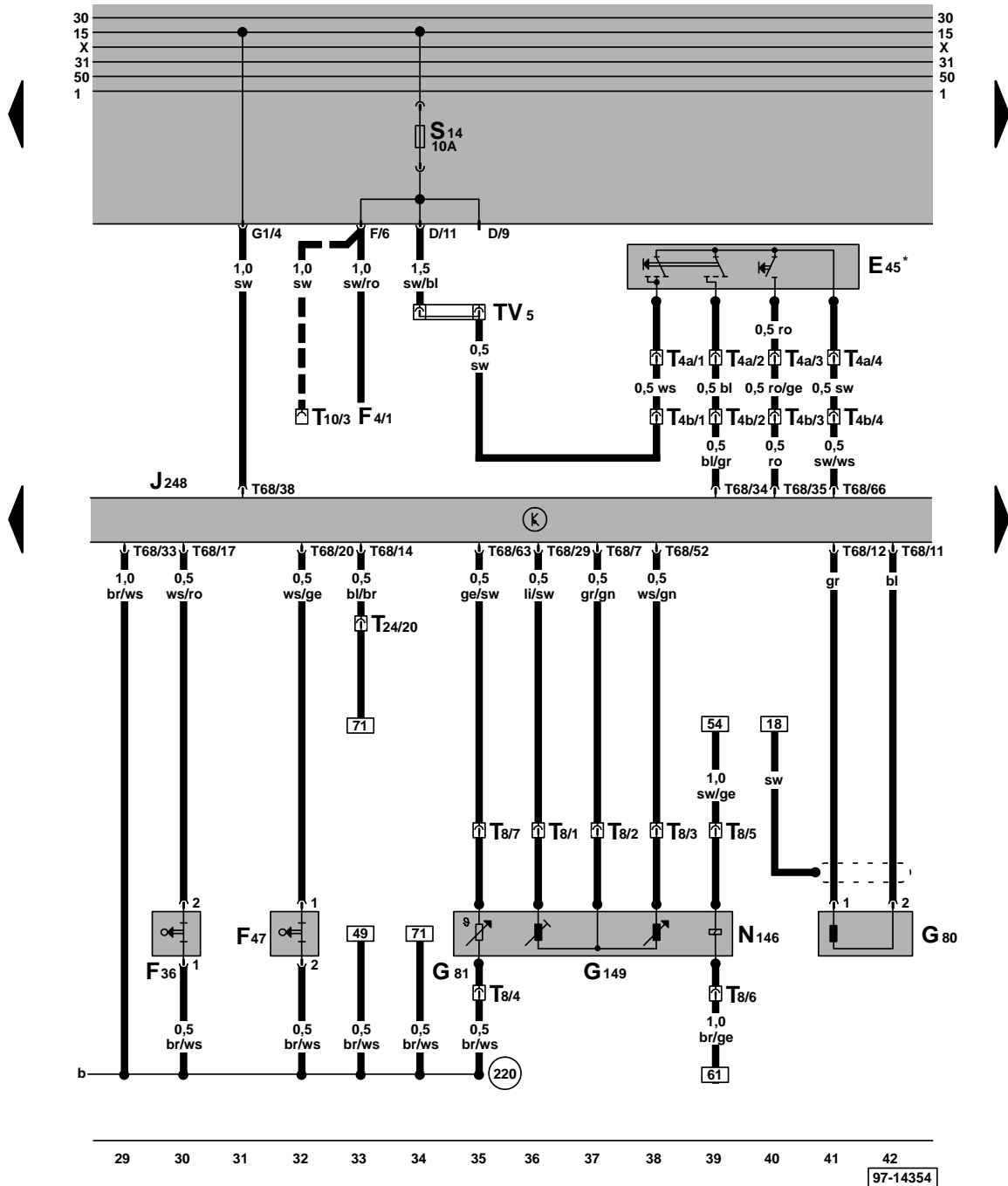
Diesel direct injection system control unit, engine speed sender, air mass meter

- A - Battery
 - F - Brake light switch
 - G28 - Engine speed sender
 - G70 - Air mass meter, front right in engine compartment
 - G72 - Intake manifold temperature sender
 - J248 - Diesel direct injection system control unit, centre in plenum chamber
 - J362 - Immobilizer control unit
 - M9 - Brake light bulb, left
 - T1y - Single connector, behind the relay plate
 - T10 - 10-pin connector, behind the relay plate
 - T68 - 68-pin connector
 - TV11 - Terminal 54 junction box, above the relay plate
- (156) - Earth connection, in diesel direct injection wiring harness
 - (220) - Earth connection (sender earth), in engine wiring harness

--- - Automatic gearbox only

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

Diesel direct injection system control unit, needle lift sender, modulated piston movement sender



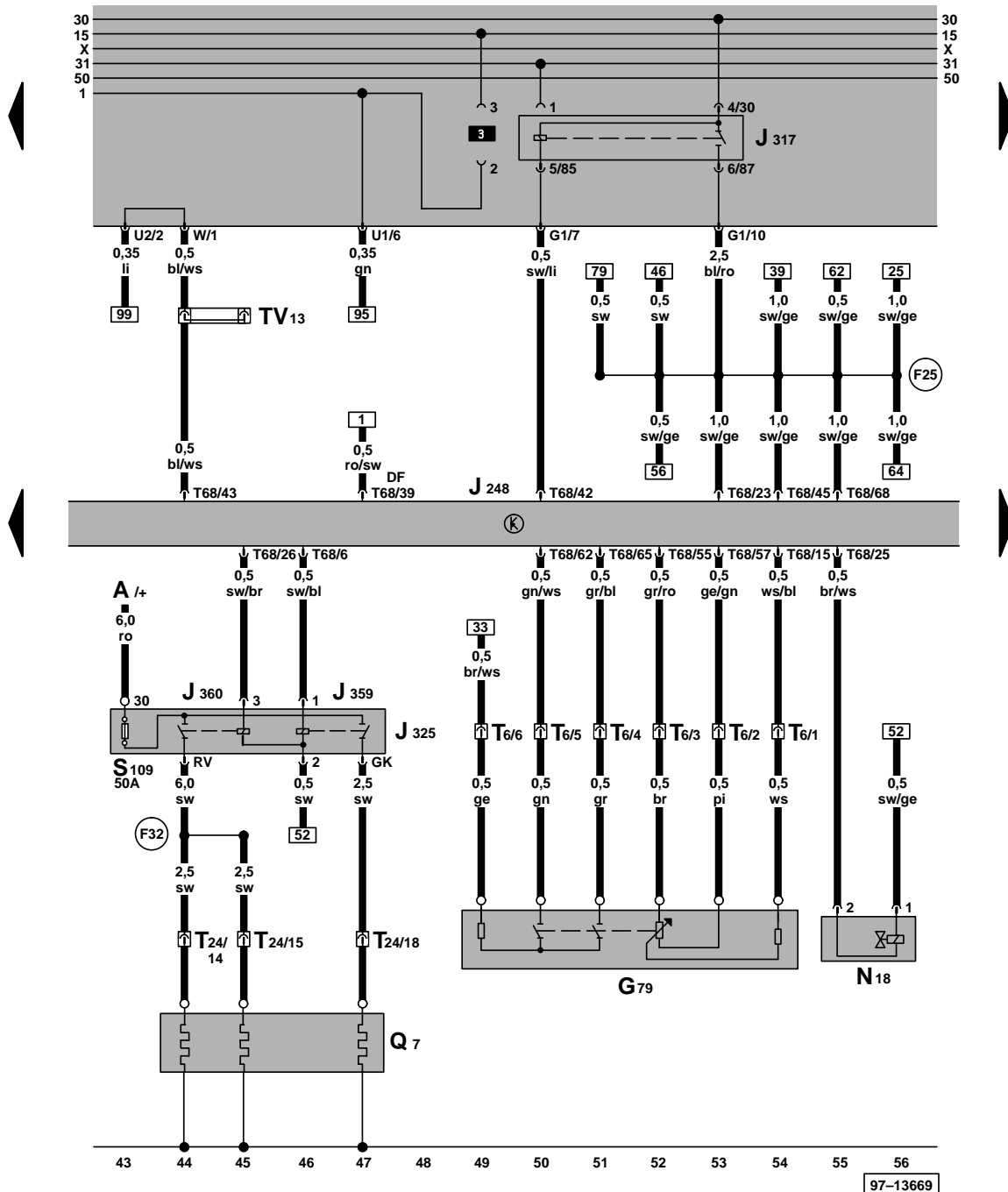
- E45 - Cruise control system switch
- F4 - Reversing light switch
- F36 - Clutch pedal switch
- F47 - Cruise cont. sys. brake pedal switch (diesel direct inj. system)
- G80 - Needle lift sender
- G81 - Fuel temperature sender
- G149 - Modulating piston movement sender
- J248 - Diesel direct injection system control unit, centre in plenum chamber
- N146 - Metering adjuster
- T4a - 4-pin connector, behind steering column switch trim
- T4b - 4-pin connector, next to steering column
- T8 - 8-pin connector
- T10 - 10-pin connector, behind the relay plate
- T24 - 24-pin connector, on engine
- T68 - 68-pin connector
- TV5 - Terminal 15a junction box

(220) - Earth connection (sender earth), in engine wiring harness

* - For vehicles with cruise control system only

--- - Automatic gearbox only

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow



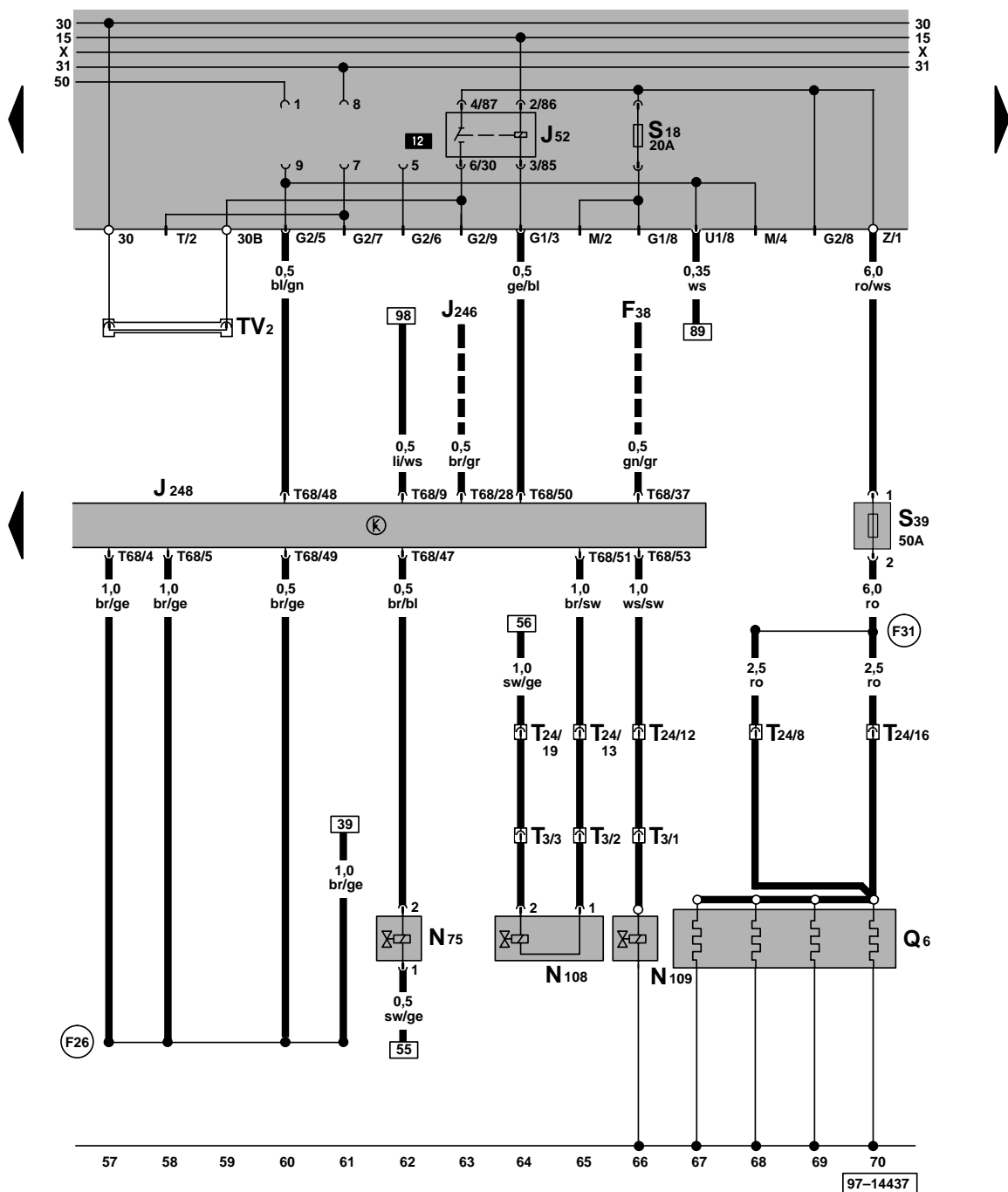
Diesel direct injection system control unit, accelerator pedal position sender, coolant heater elements

- A - Battery
 - G79 - Accelerator position sender
 - J248 - Diesel direct injection system control unit, centre in plenum chamber
 - J317 - Terminal 30 voltage supply relay
 - J325 - Coolant heater element relay, centre on bulkhead
 - J359 - Low heat output relay
 - J360 - High heat output relay
 - N18 - Exhaust gas recirculation valve, front right in engine compartment
 - Q7 - Coolant heating elements
 - S109 - Coolant heater element fuse
 - T6 - 6-pin connector, front left in footwell compartment
 - T24 - 24-pin connector, on engine
 - T68 - 68-pin connector, on control unit
 - TV13 - Speed signal junction box
- (F25) - Connection -1-, in diesel direct injection system wiring harness
- (F32) - Connection (glow plugs - coolant), in diesel direct injection system wiring harness

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

Diesel direct injection system control unit, fuel cut-off valve, engine glow plugs

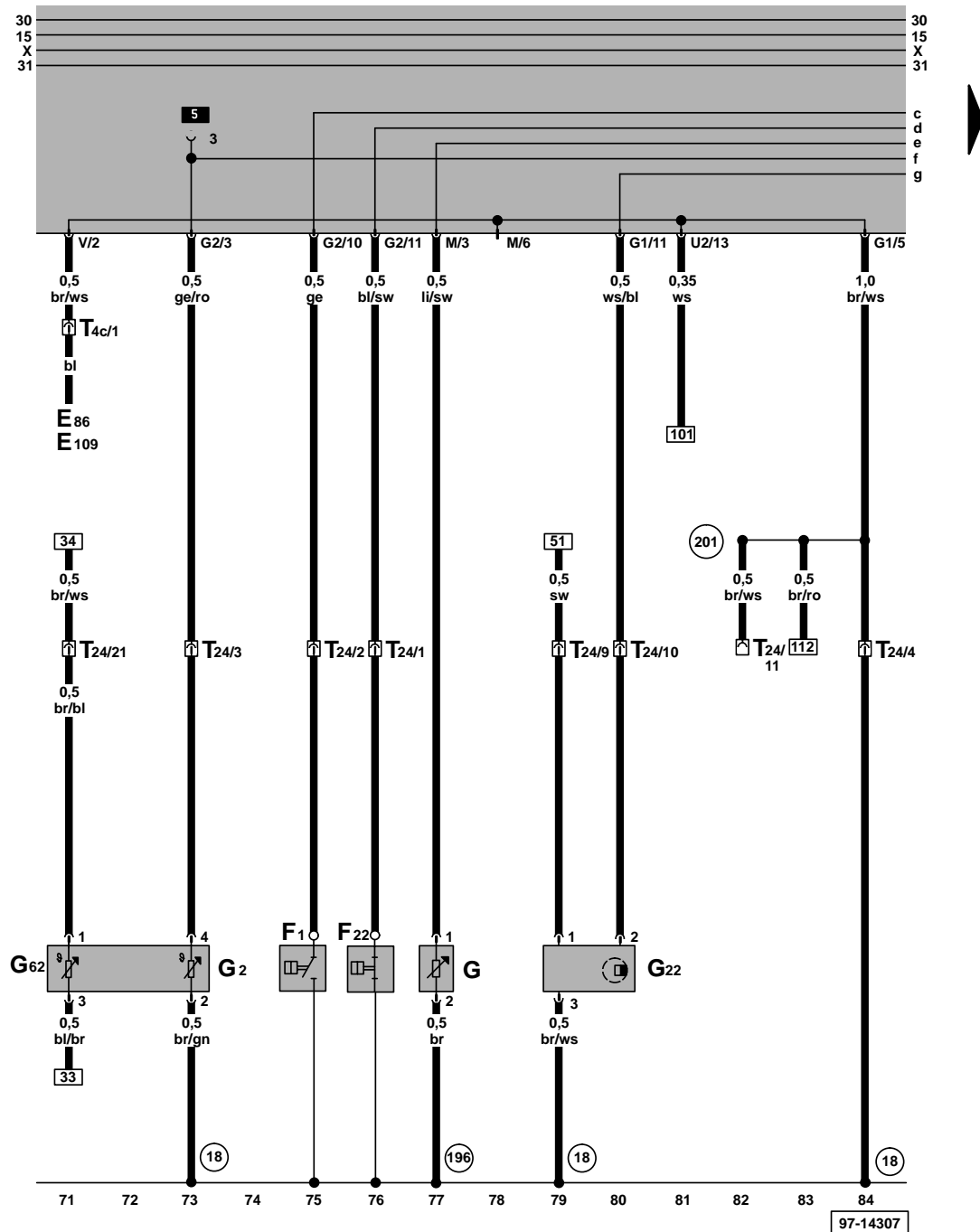
- F38 - Ambient temperature switch
 - J52 - Glow plug relay
 - J246 - Magnetic coupling cut-out relay, air conditioning system
 - J248 - Diesel direct injection system control unit, centre in plenum chamber
 - N75 - Charge pressure control solenoid valve
 - N108 - Commencement of injection valve
 - N109 - Fuel shut-off valve
 - Q6 - Glow plugs - (engine)
 - S39 - Glow plugs fuse, above the relay plate
 - T3 - 3-pin connector, in centre of engine compartment
 - T24 - 24-pin connector, on engine
 - T68 - 68-pin connector, on engine
 - TV2 - Terminal 30 junction box, above the relay plate
- (F26) - Connection -2-, in diesel direct injection system wiring harness
 - (F31) - Connection (glow plugs - engine), in diesel direct injection system wiring harness
- - For vehicles with air conditioning system only



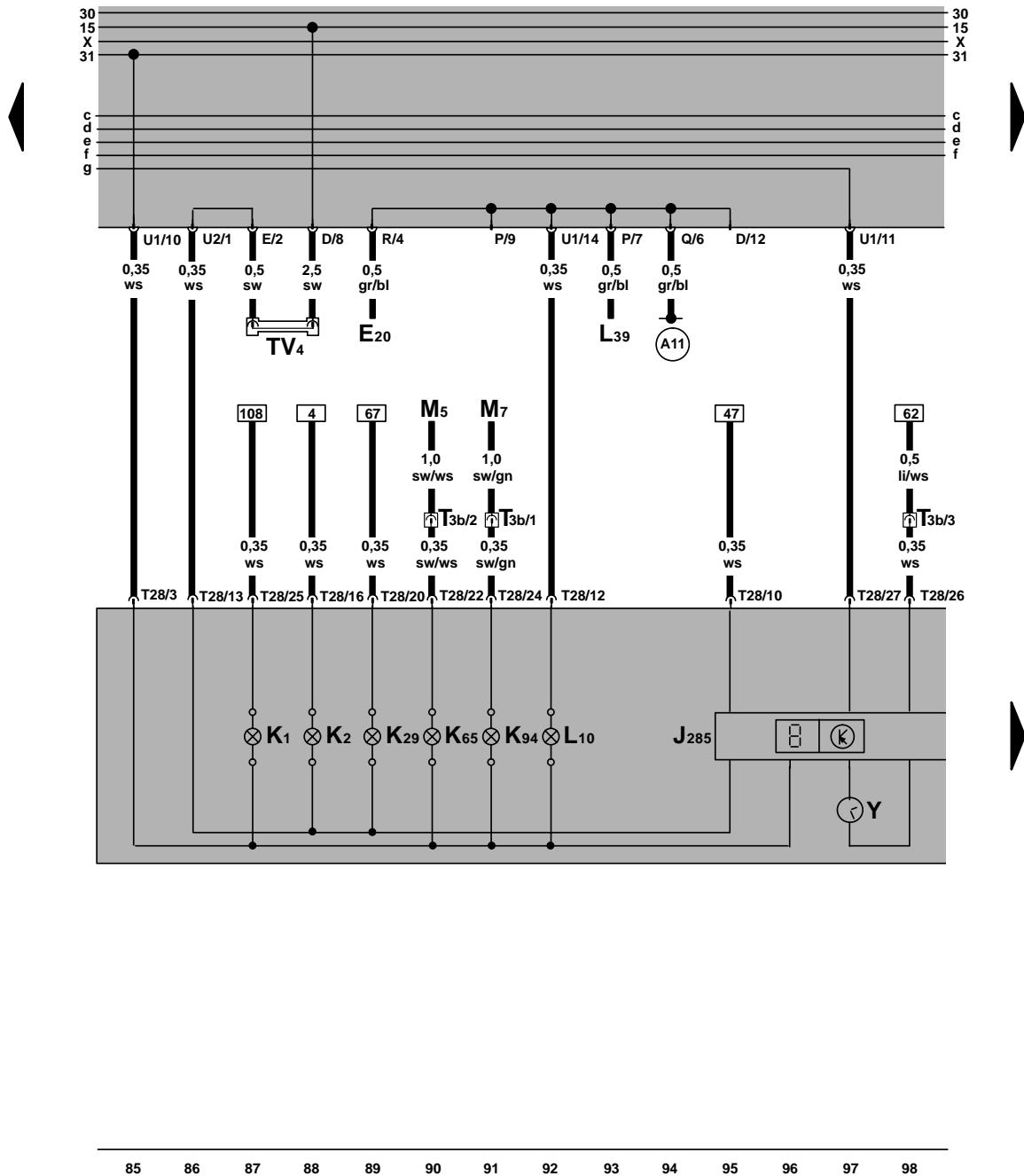
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

Engine temperature sender, oil pressure switch, speedometer sender

- E86 - Multi-function display call-up button
 - E109 - Multi-function display, memory switch
 - F1 - Oil pressure switch
 - F22 - Oil pressure switch (0.3 bar)
 - G - Fuel gauge sender
 - G2 - Coolant temperature sender
 - G22 - Speedometer sender
 - G62 - Coolant temperature sender
 - T4c - 4-pin connector, behind steering column switch trim
 - T24 - 24-pin connector, on engine
- (18) - Earth point, on cylinder block
 - (196) - Earth connection -1-, in rear wiring harness
 - (201) - Earth connection -5-, in engine wiring harness



ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow



Dash panel insert, warning lamps

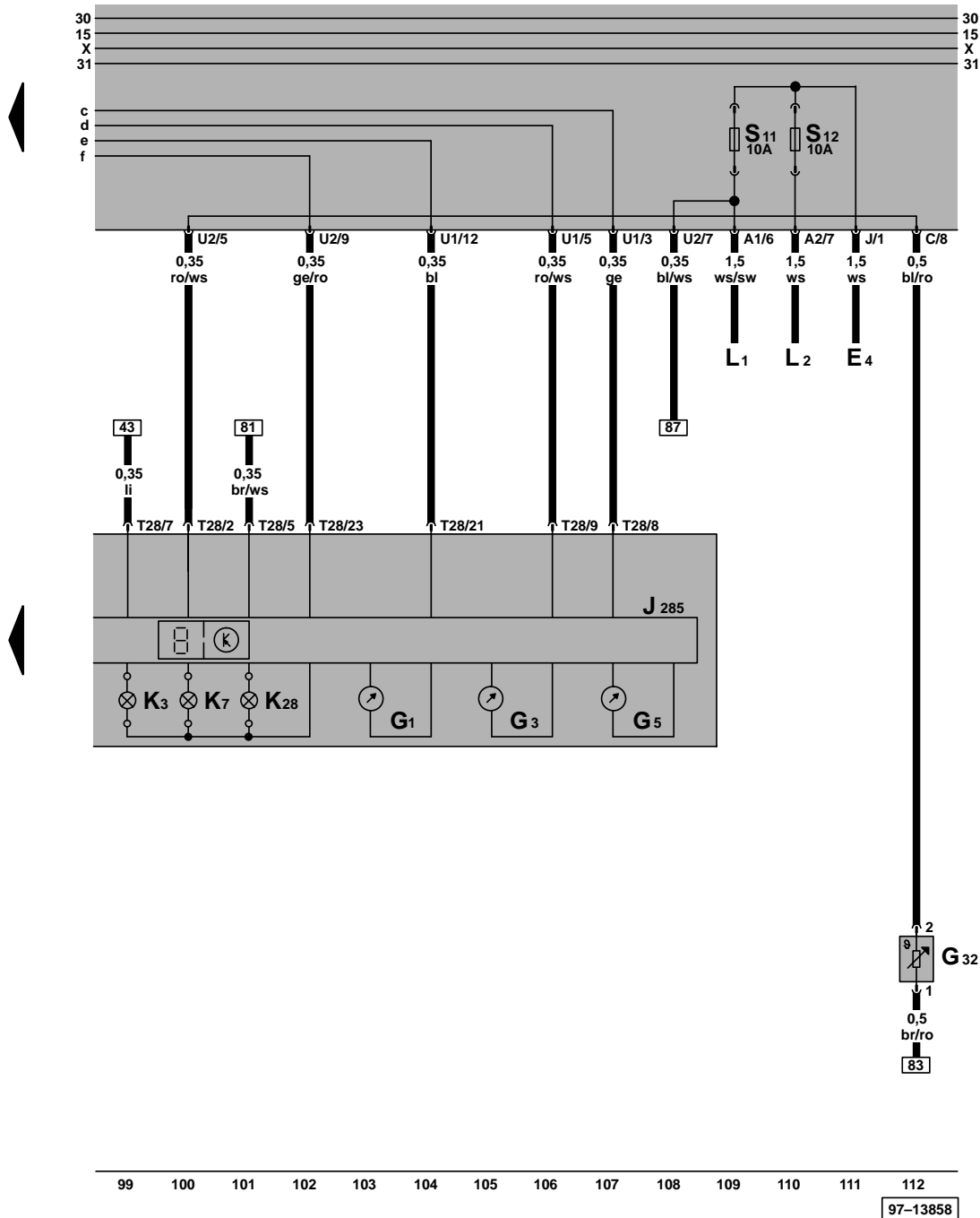
- E20 - Switches and instruments - lighting control
- J285 - Control unit with display in dash panel insert
- K1 - Main beam warning lamp
- K29 - Glow period warning lamp
- K65 - Left turn signal warning lamp
- K94 - Right turn signal warning lamp
- L10 - Dash panel insert light bulb
- L39 - Heated rear window switch bulb
- M5 - Turn signal bulb, front left
- M7 - Turn signal bulb, front right
- T3b - 3-pin connector, behind the relay plate
- T28 - 28-pin connector
- TV4 - Terminal 15 junction box
- Y - Analogue clock
- (A11) - Positive (+) connection (58b), in wiring harness for instruments

ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

85 86 87 88 89 90 91 92 93 94 95 96 97 98

97-14045

Dash panel insert, fuel gauge, coolant temperature gauge, rev. counter



- E4 - Headlight dipper/flasher switch
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G32 - Coolant temperature gauge
- 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
- L1 - Twin filament bulb/sealed beam insert, left
- L2 - Twin filament bulb/sealed beam insert, right
- T28 - 28-pin connector, on dash panel insert
- TV13 - Speed signal junction box, above the relay plate