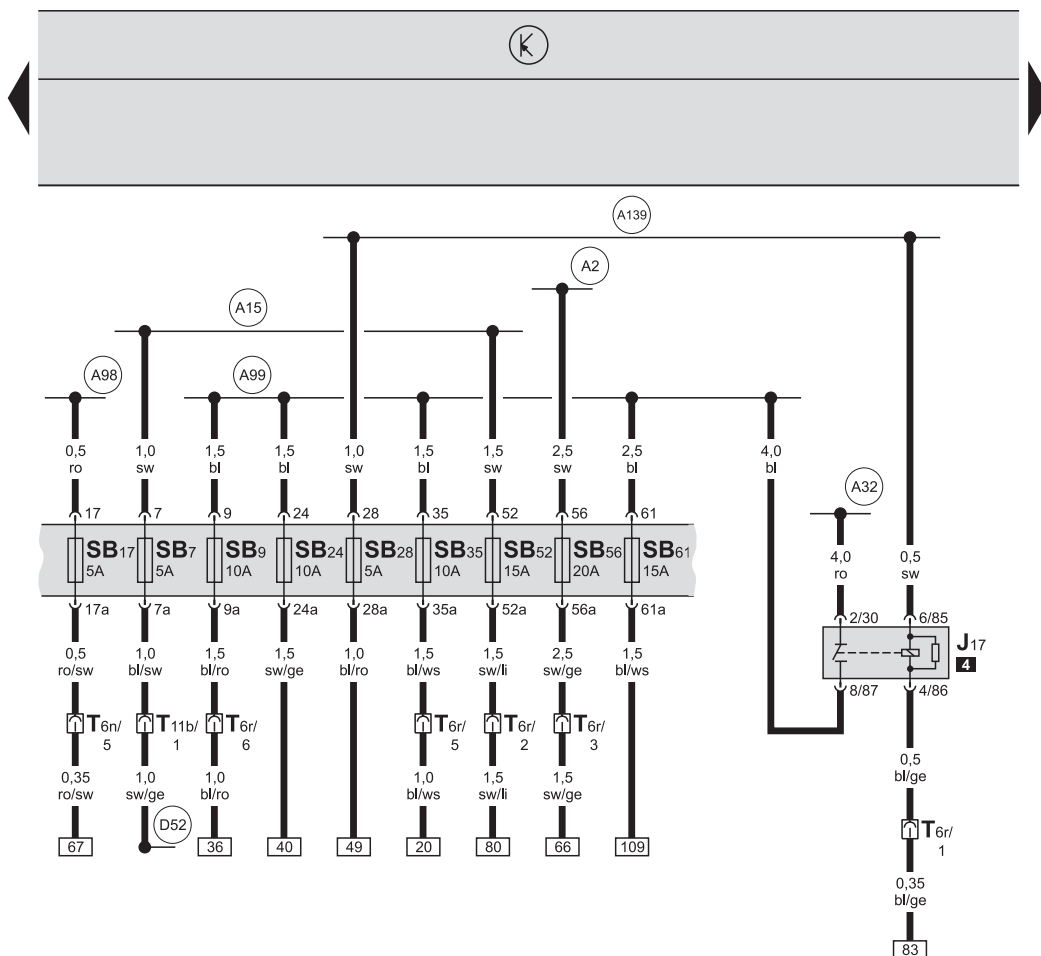


Fuel pump relay, fuse holder



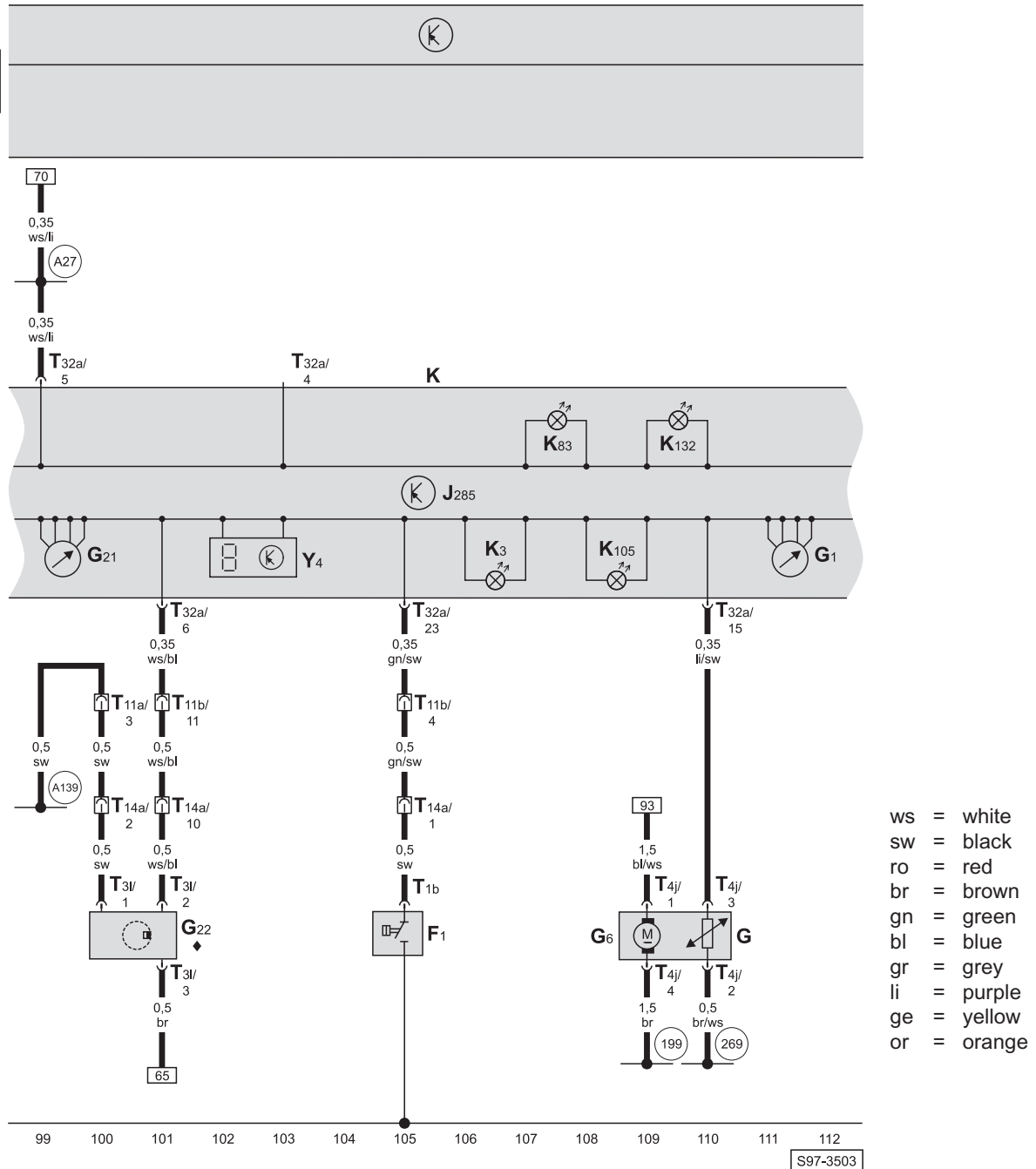
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

85 86 87 88 89 90 91 92 93 94 95 96 97 98
S97-3502

- J17 - Fuel pump relay
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)

- A2 - Positive connection (15), in wiring loom behind dash panel
- A15 - Positive connection (15), in wiring loom behind dash panel
- A32 - Positive connection (30a), in wiring loom behind dash panel on left
- A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- A99 - Connection (87), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel
- D52 - Positive connection (15a), in engine compartment wiring loom

Dash panel insert, control unit in dash panel insert, warning lights, oil pressure switch, fuel gauge sender, fuel pump, speedometer sender, fuel gauge, speedometer, odometer display



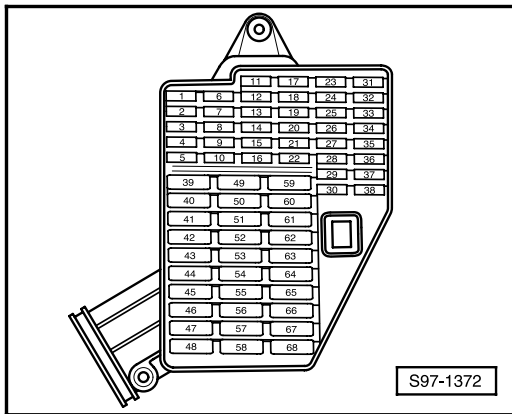
- F1 - Oil pressure switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G6 - Fuel pump
- G21 - Speedometer
- G22 - Speedometer sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K3 - Oil pressure warning lamp
- K83 - Exhaust gas warning lamp
- K105 - Reserve fuel warning lamp
- K132 - Electric throttle control fault lamp
- T1b - 1-pin connector, at oil pressure switch
- T3l - 3-pin connector, at speedometer sender
- T4j - 4-pin connector, at fuel pump
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T32a - 32-pin connector, at dash panel insert
- Y4 - Odometer display

- 199 - Earth connection, in wiring harness behind dash panel
- 269 - Earth connection (sender earth) -1-, in wiring harness behind dash panel
- A27 - Connection (vehicle speed signal), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel
- ♦ - not valid for vehicles with ABS/ABS with EDL and TCS/ESP

1.4 I - 4MV/55 kW, engine code BBY, from November 2002

1.4 I - 4MV/74 kW, engine code BBZ, from November 2002

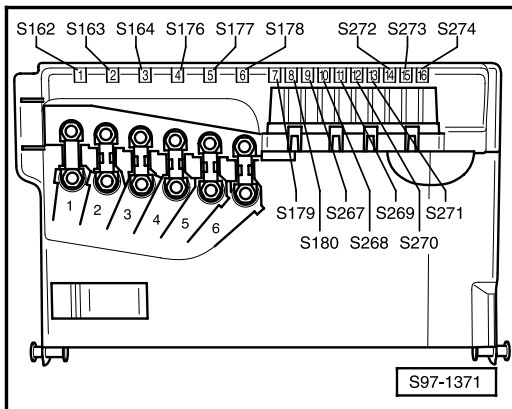
Fuse holder:



Fuse colours

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

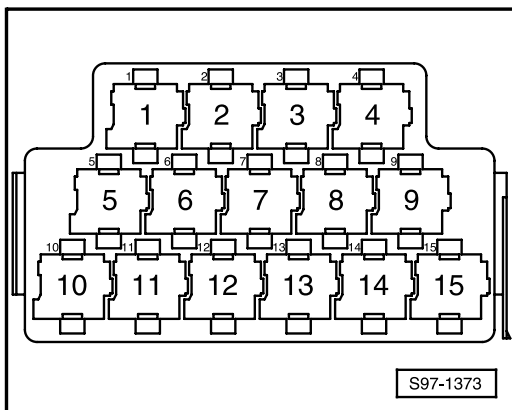
Fuse holder on battery:



Fuse colours

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

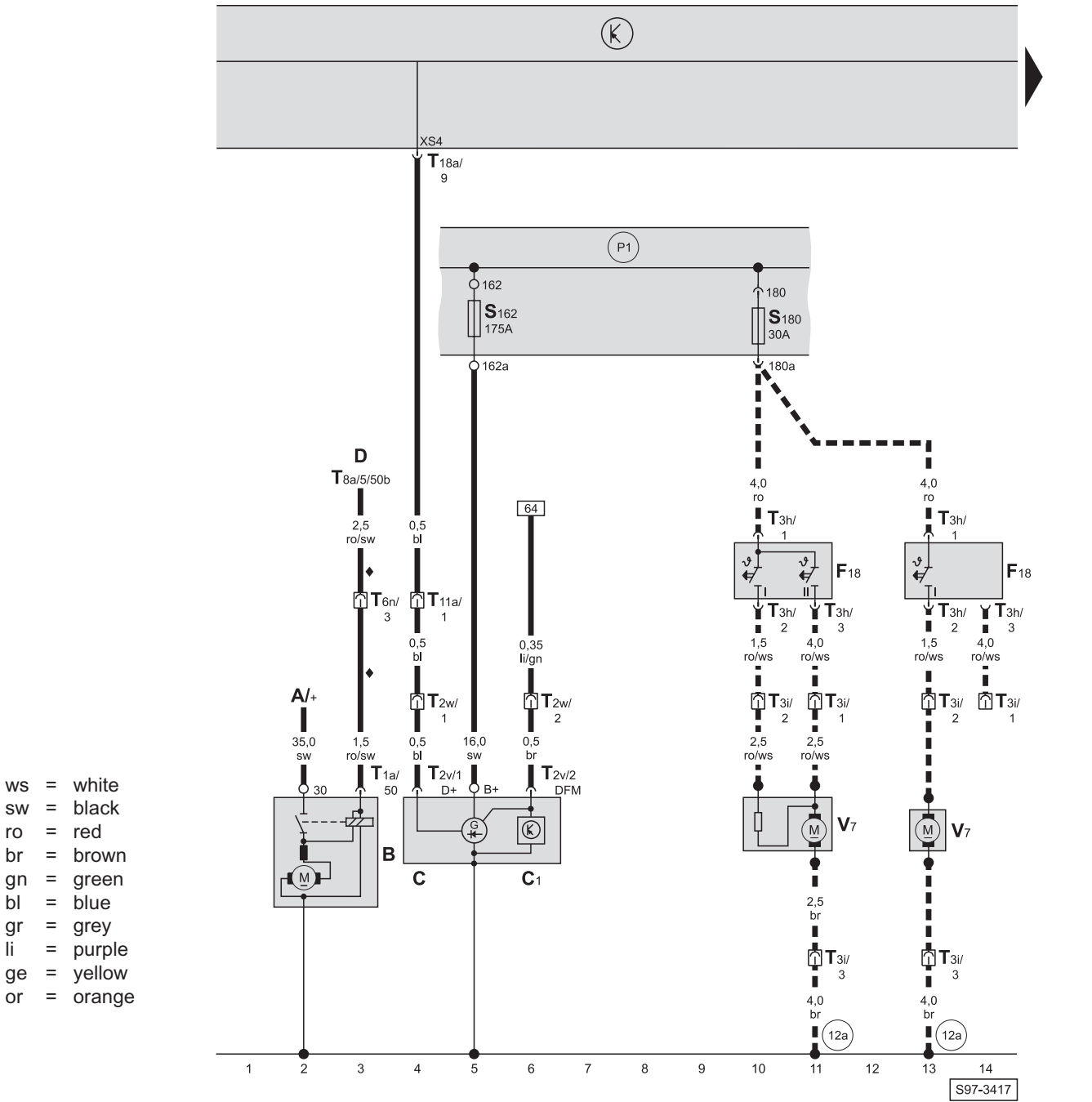
Relay holder:



Relay position assignment

- 4** - Fuel pump relay
- 9** - Fuel feed relay

Starter, alternator, radiator fan, fuse holder on battery

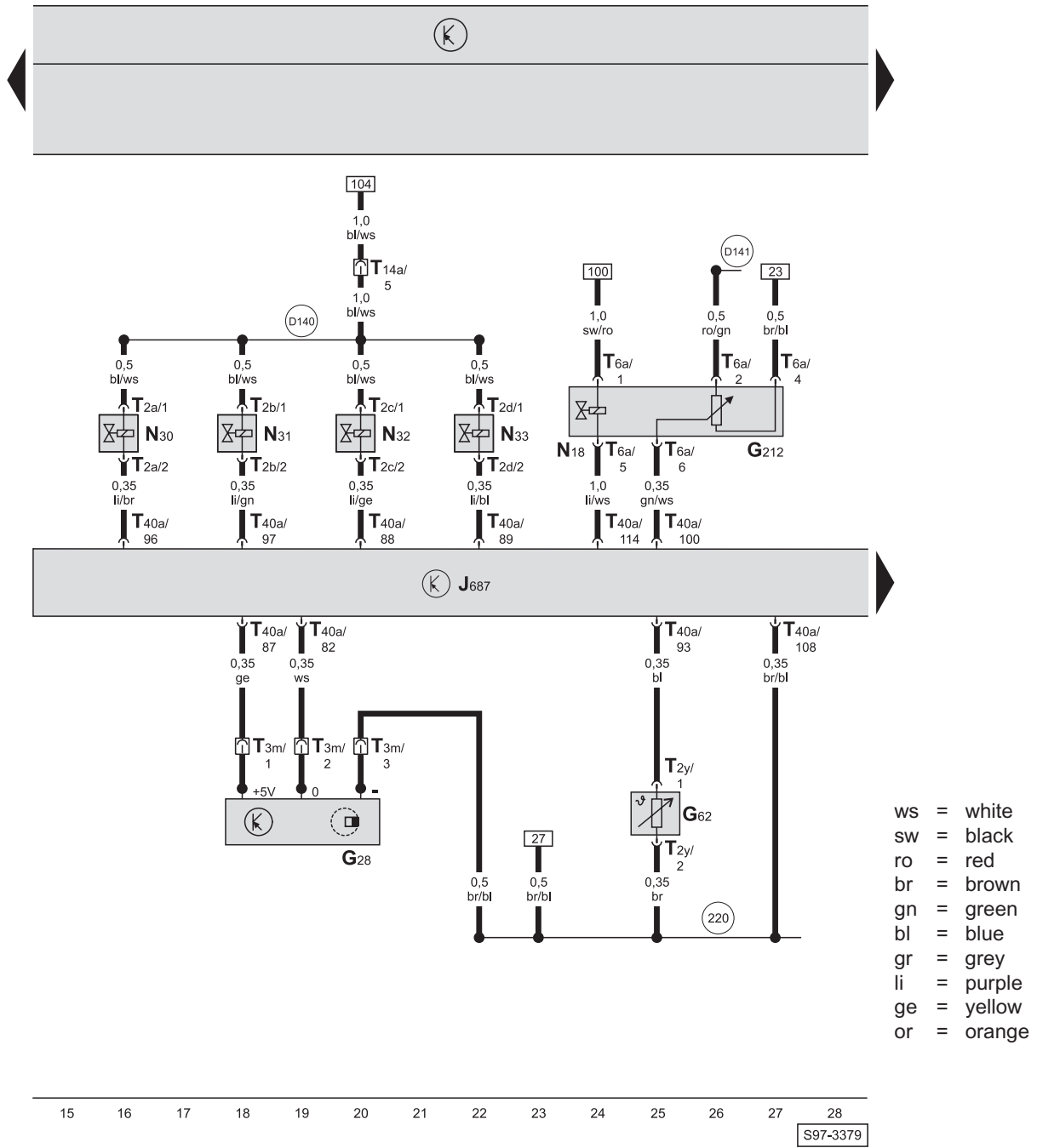


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermoswitch
- S162 - Fuse -1- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T3h - 3-pin connector, at radiator fan thermoswitch
- T3i - 3-pin connector, in bracket on left of radiator
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)
- V7 - Radiator fan

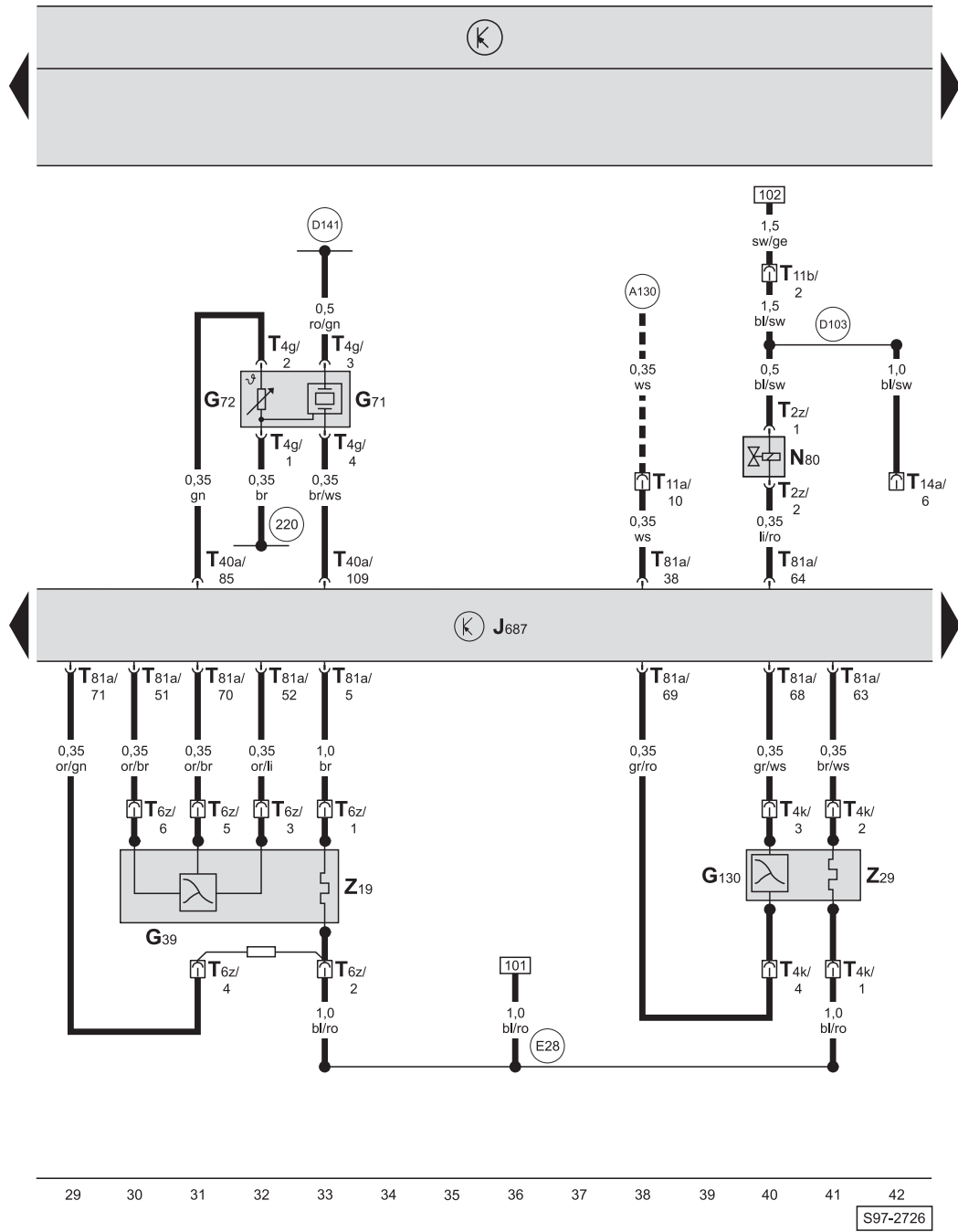
- (12a) - Earth point -2-, in engine compartment, on left below battery (at side member)
- (P1) - Positive connection (30), in fuse holder on battery
- ◆ - Does not apply to models with automatic gearbox
- ■ ■ - Thermoswitch and radiator fan vary according to optional equipment (does not apply to models with air conditioning)

4MV control unit, injectors, engine speed sender, coolant temperature sender, exhaust gas recirculation valve, exhaust gas valve recirculation potentiometer



- G28 - Engine speed sender
- G62 - Coolant temperature sender
- G212 - Exhaust gas recirculation potentiometer
- J687 - 4MV control unit
- N18 - EGR valve
- N30 - Injector cylinder 1
- N31 - Injector cylinder 2
- N32 - Injector cylinder 3
- N33 - Injector cylinder 4
- T2a - 2-pin connector, at injector cylinder 1
- T2b - 2-pin connector, at injector cylinder 2
- T2c - 2-pin connector, at injector cylinder 3
- T2d - 2-pin connector, at injector cylinder 4
- T2y - 2-pin connector, at coolant temperature sender
- T3m - 3-pin connector, at engine speed sender
- T6a - Connector, 6-pin, at EGR valve
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- (220) - Earth connection (sender earth), in engine pre-wiring wiring harness
- (D140) - Connection (injectors), in engine assembly wiring loom
- (D141) - Connection (5V), in engine assembly wiring loom

4MV control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure and intake manifold temperature sender, activated charcoal filter system solenoid valve



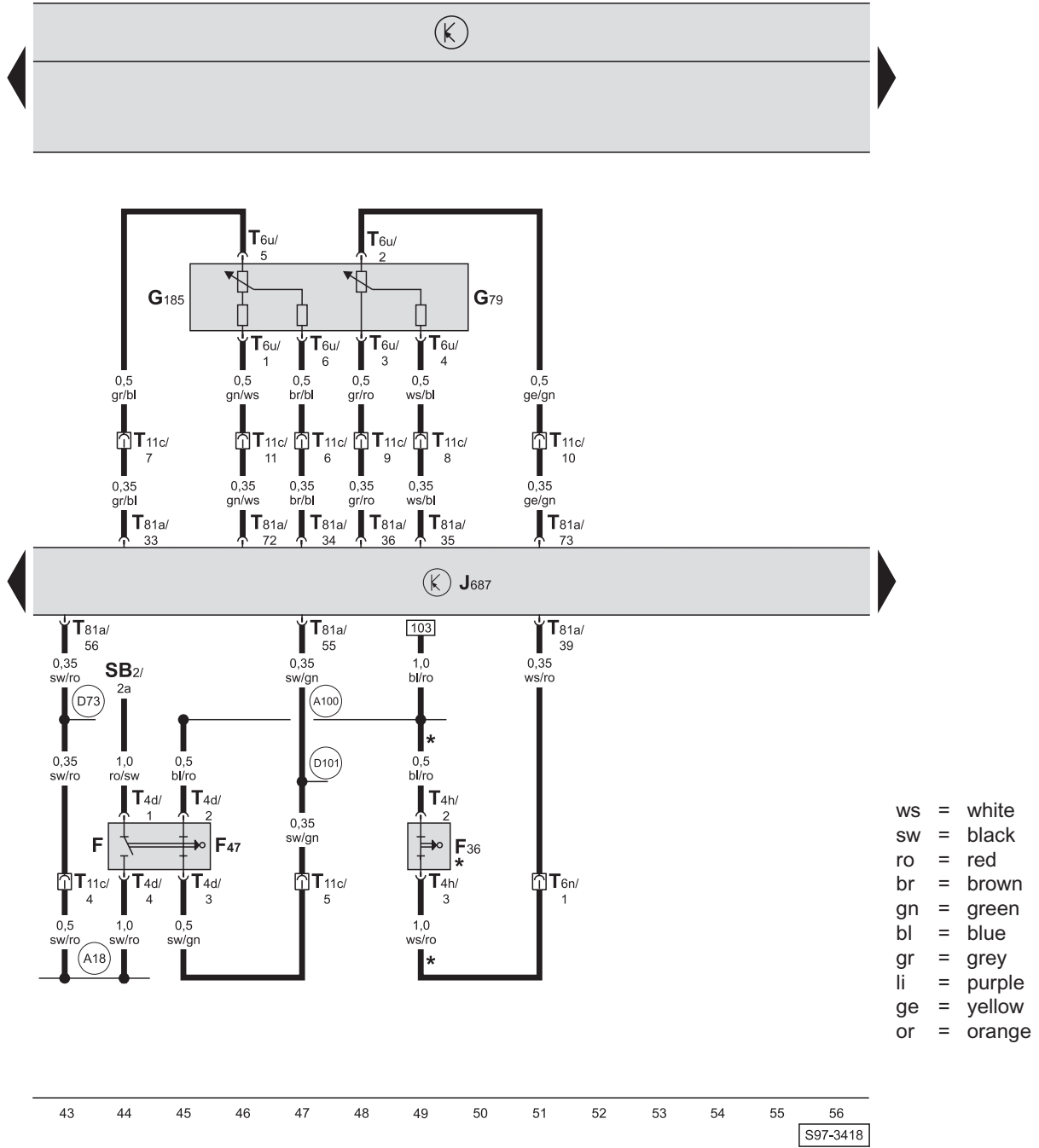
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- G39 - Lambda probe
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J687 - 4MV control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system solenoid valve
- T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
- T4k - Connector, 4-pin, close to lambda probe downstream of catalytic converter
- T6z - Connector, 6-pin, close to lambda probe
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- Z19 - Lambda probe heater
- Z29 - Lambda probe heater downstream of catalytic converter

- (220) - Earth connection (sender earth), in engine pre-wiring wiring harness
- (A130) - Connection (CCS), in wiring loom behind dash panel on left
- (D103) - Connection -3- (87a), in engine compartment wiring loom
- (D141) - Connection (5V), in engine assembly wiring loom
- (E28) - Connection (lambda probe heater), in engine compartment wiring loom

■■■ - Applies only to models with CCS

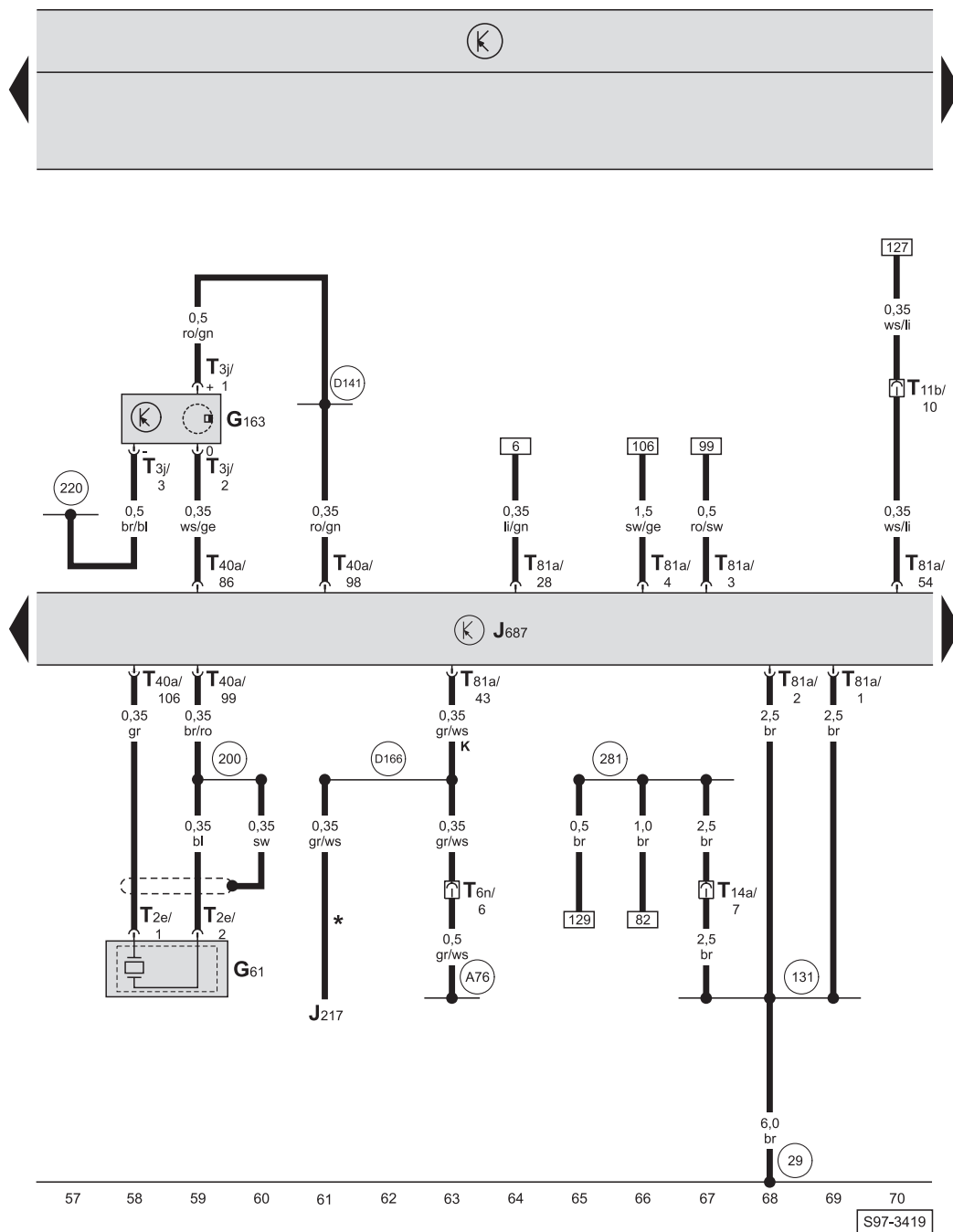
4MV control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G79 - Accelerator position sender
- G185 - Accelerator pedal position sender -2-
- J687 - 4MV control unit
- SB2 - Fuse, in fuse holder
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11c - 11-pin connector, at left of bulkhead (blue)
- T81a - 81-pin connector, at engine control unit

- (A18) - Connection (54), in wiring loom behind dash panel
- (A100) - Connection (87a), in wiring loom behind dash panel
- (D73) - Connection (54), in left of engine compartment wiring loom
- (D101) - Connection (brake pedal switch), in engine compartment wiring loom
- * - Does not apply to models with automatic gearbox

4MV control unit, knock sensor I, camshaft position sender



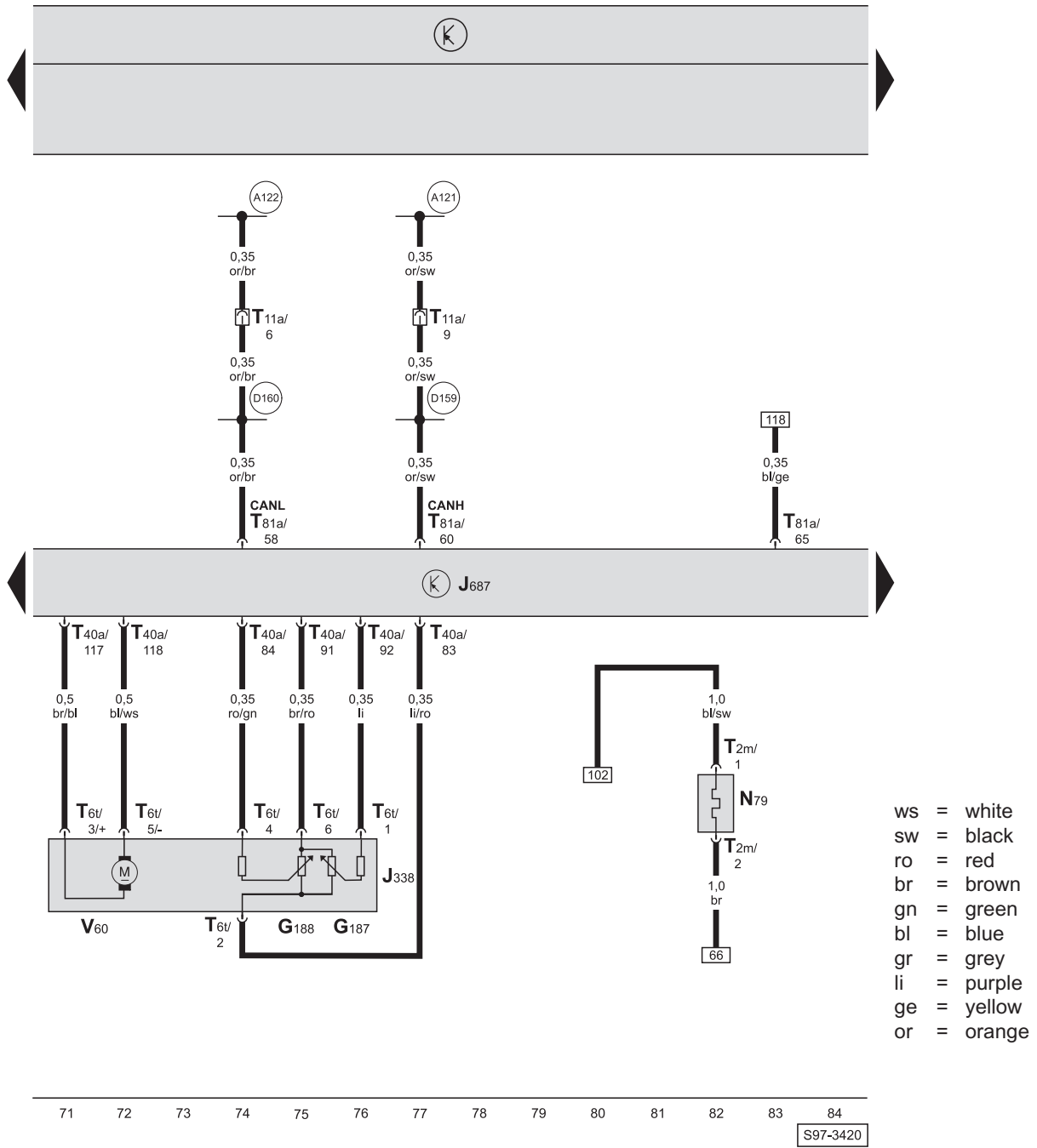
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- G61 - Knock sensor I
- G163 - Camshaft position sender
- J217 - Automatic gearbox control unit
- J687 - 4MV control unit
- T2e - 2-pin connector, at knock sensor I
- T3j - 3-pin connector, at camshaft position sender
- T6n - 6-pin connector, at left of bulkhead (blue)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- 200 - Earth connection (screening), in engine pre-wiring wiring harness
- 220 - Earth connection (sender earth), in engine pre-wiring wiring harness
- 281 - Earth connection -1-, in engine pre-assembly wiring loom
- A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- D141 - Connection (5V), in engine assembly wiring loom
- D166 - Connection (K diagnosis wire), in engine compartment wiring loom

* - Applies only to models with automatic gearbox

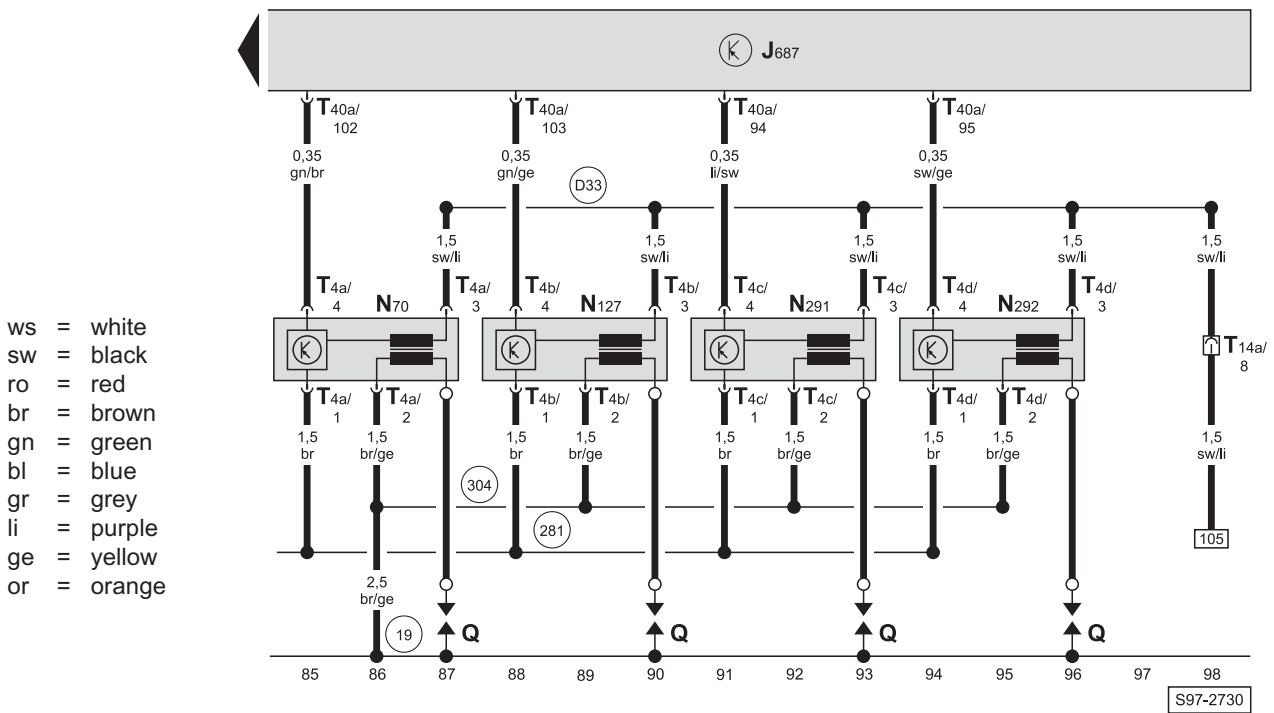
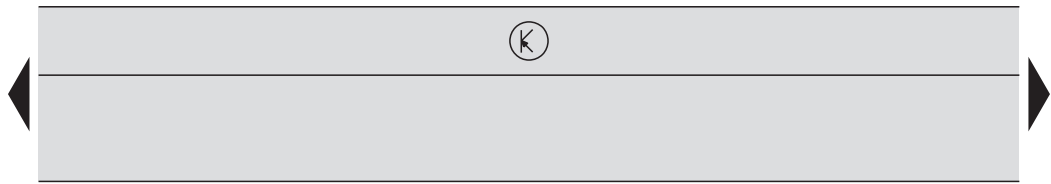
4MV control unit, throttle valve control unit



- G187 - Angle sender -1- for throttle valve drive (electric throttle operation)
- G188 - Angle sender -2- for throttle valve drive (electric throttle operation)
- J338 - Throttle valve control unit
- J687 - 4MV control unit
- N79 - Crankcase breather heater element
- T2m - 2-pin connector, at crankcase breather heater element
- T6t - 6-pin connector, at throttle valve control unit
- T11a - 11-pin connector, at left of bulkhead (white)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- V60 - Throttle valve positioner

- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom

4MV control unit, ignition system

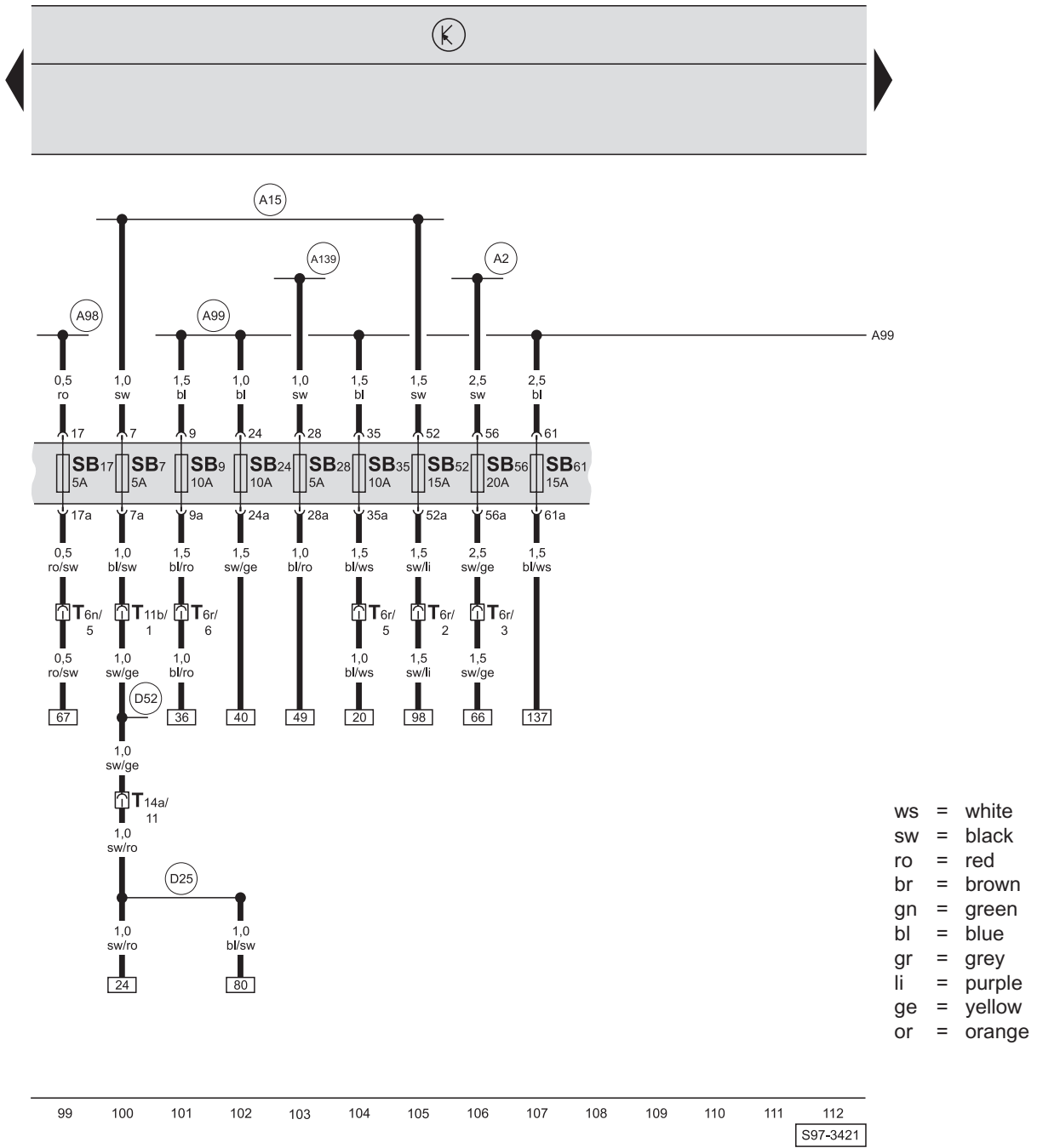


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- J687 - 4MV control unit
- N70 - Ignition coil 1 with output stage
- N127 - Ignition coil 2 with output stage
- N291 - Ignition coil 3 with output stage
- N292 - Ignition coil 4 with output stage
- Q - Spark plugs
- T4a - Connector, 4-pin, at ignition coil 1
- T4b - Connector, 4-pin, at ignition coil 2
- T4c - Connector, 4-pin, at ignition coil 3
- T4d - Connector, 4-pin, at ignition coil 4
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit

- (19) - Earth point, near coil
- (281) - Earth connection -1-, in engine pre-assembly wiring loom
- (304) - Earth connection (ignition coils), in engine pre-assembly wiring loom
- (D33) - Connection -2- (15a), in engine pre-assembly wiring loom

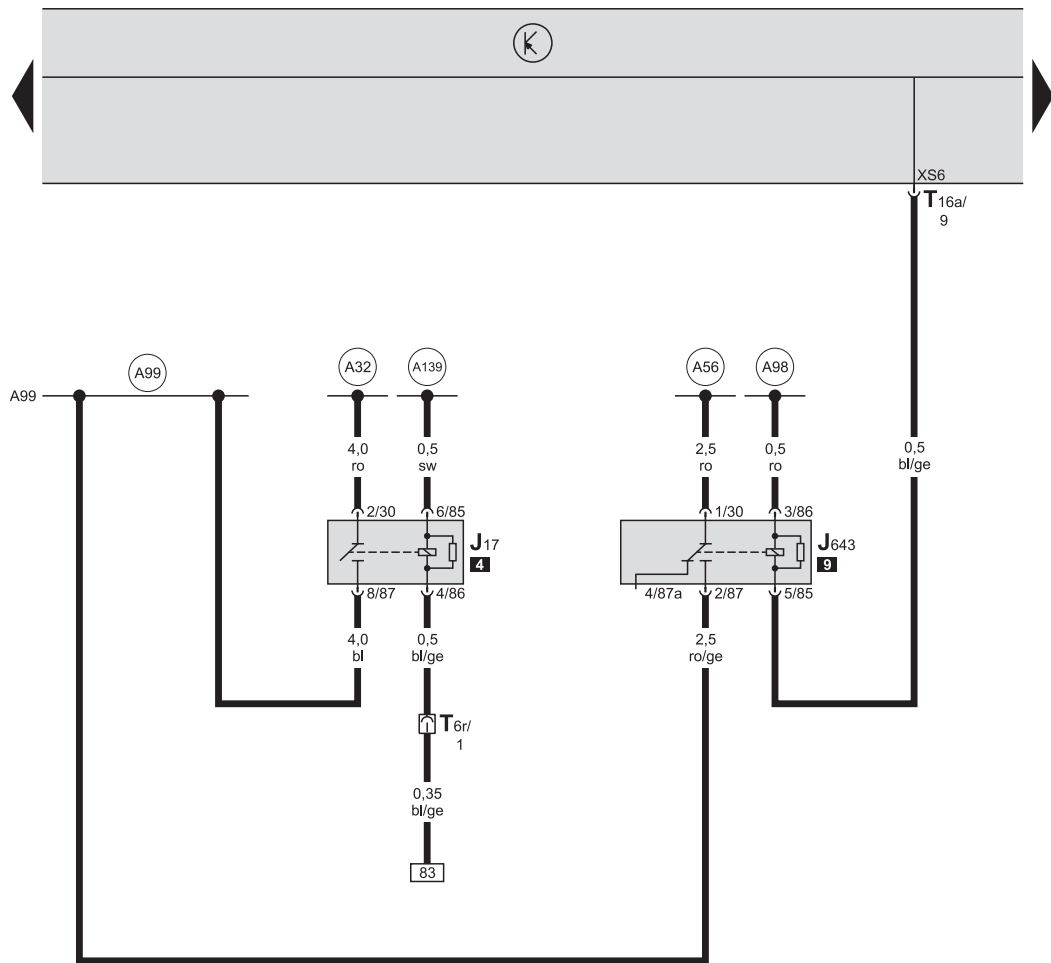
Fuse holder



- T6n - 6-pin connector, at left of bulkhead (blue)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- (A2) - Positive connection (15), in wiring loom behind dash panel
- (A15) - Positive connection (15), in wiring loom behind dash panel
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A99) - Connection (87), in wiring loom behind dash panel
- (A139) - Positive connection (15), in wiring loom behind dash panel
- (D25) - Connection (15a), in engine pre-assembly wiring loom
- (D52) - Positive connection (15a), in engine compartment wiring loom

Fuel pump relay, fuel feed relay



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

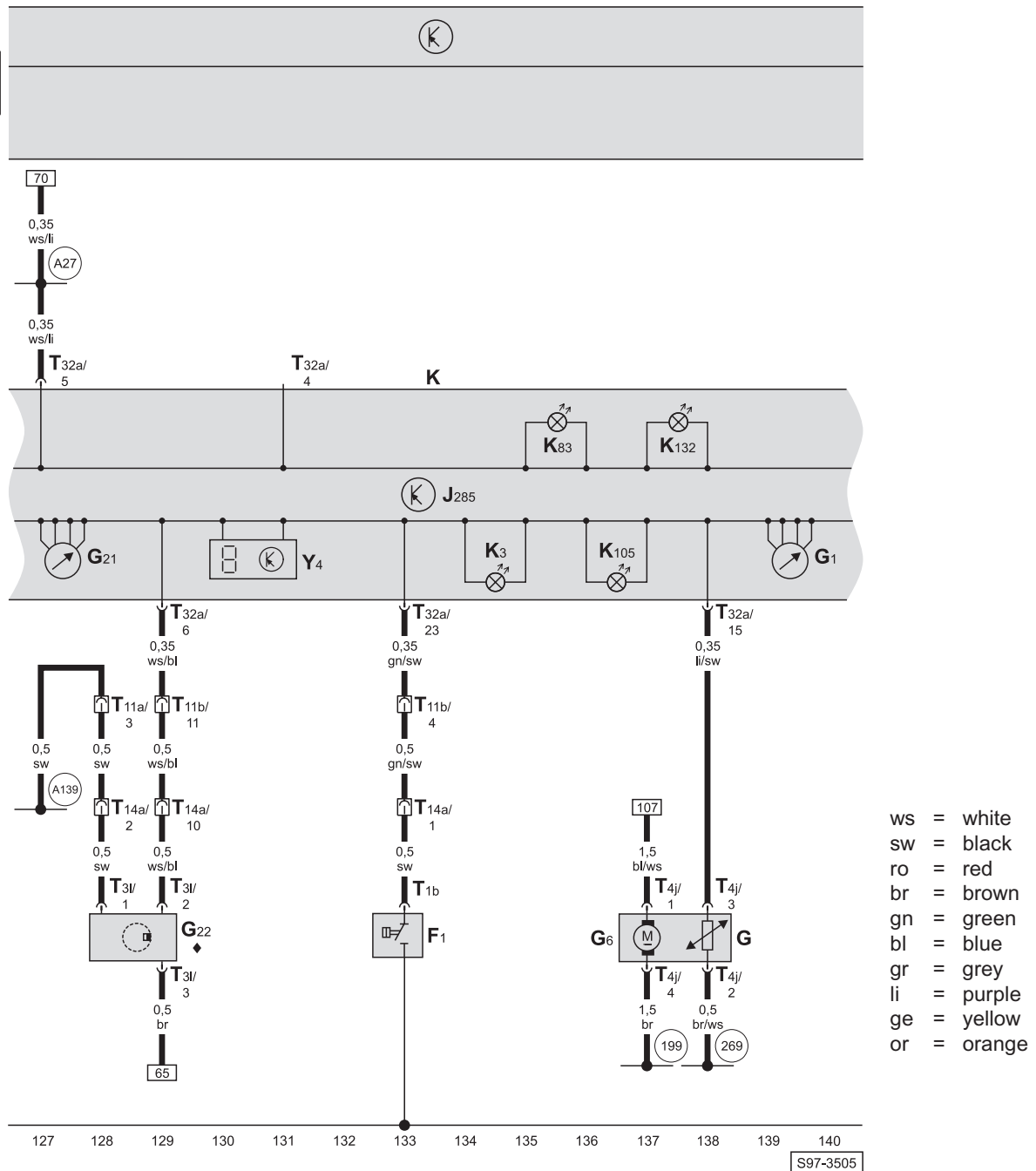
113 114 115 116 117 118 119 120 121 122 123 124 125 126

S97-3504

- J17 - Fuel pump relay
- J643 - Fuel feed relay
- T6r - 6-pin connector, at left of bulkhead (brown)
- T16a - 16-pin connector, at electrical system control unit (black)

- (A32) - Positive connection (30a), in wiring loom behind dash panel on left
- (A56) - Positive connection (30a), in wiring loom behind dash panel
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A99) - Connection (87), in wiring loom behind dash panel
- (A139) - Positive connection (15), in wiring loom behind dash panel

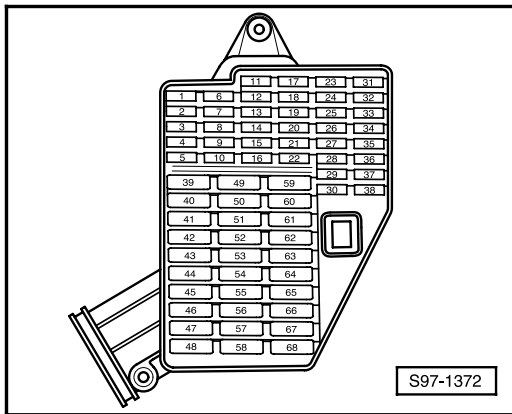
Dash panel insert, control unit in dash panel insert, warning lights, oil pressure switch, fuel gauge sender, fuel pump, speedometer sender, fuel gauge, speedometer, odometer display



- F1 - Oil pressure switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G6 - Fuel pump
- G21 - Speedometer
- G22 - Speedometer sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K3 - Oil pressure warning lamp
- K83 - Exhaust gas warning lamp
- K105 - Reserve fuel warning lamp
- K132 - Electric throttle control fault lamp
- T1b - 1-pin connector, at oil pressure switch
- T3l - 3-pin connector, at speedometer sender
- T4j - 4-pin connector, at fuel pump
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T32a - 32-pin connector, at dash panel insert
- Y4 - Odometer display
- 199 - Earth connection, in wiring harness behind dash panel
- 269 - Earth connection (sender earth) -1-, in wiring harness behind dash panel
- A27 - Connection (vehicle speed signal), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel
- ◆ - not valid for vehicles with ABS/ABS with EDL and TCS/ESP

2.0 I - Motronic/85 kW, engine code AZL, from November 2002

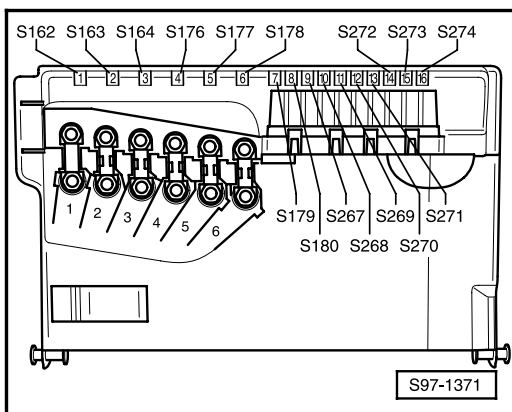
Fuse holder:



Fuse colours

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

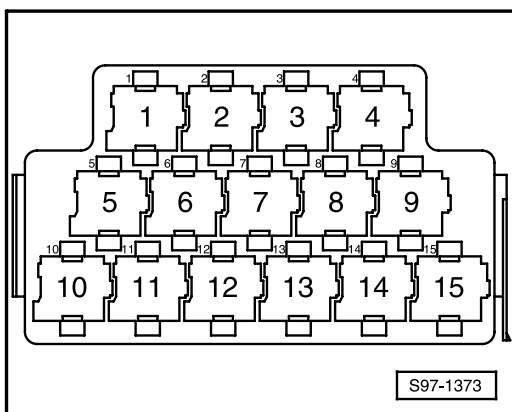
Fuse holder on battery:



Fuse colours

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

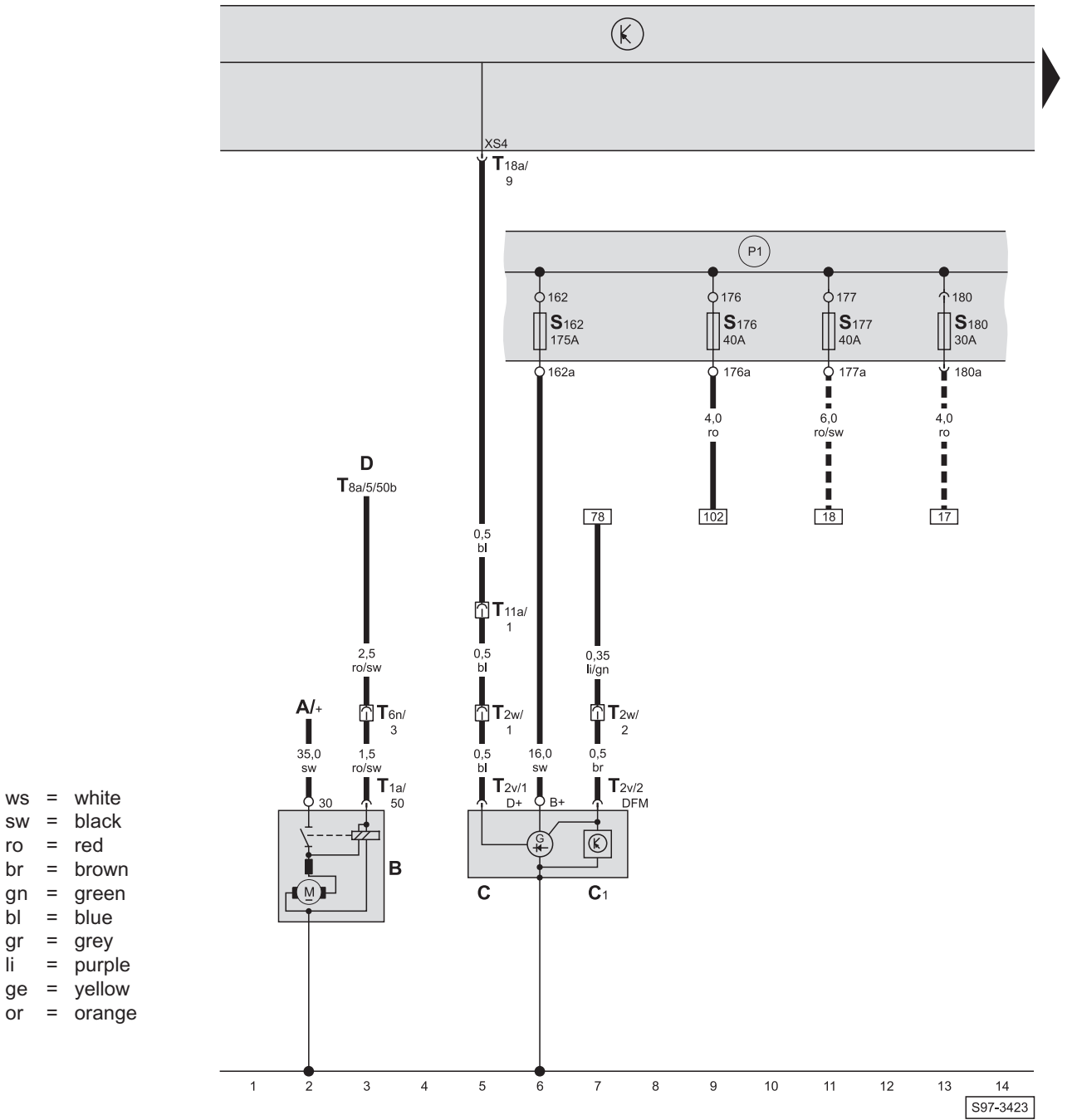
Relay holder:



Relay position assignment

- 1** - Secondary air pump relay
- 2** - Motronic power supply relay
- 4** - Fuel pump relay
- 9** - Fuel feed relay

Starter, alternator, fuse holder on battery



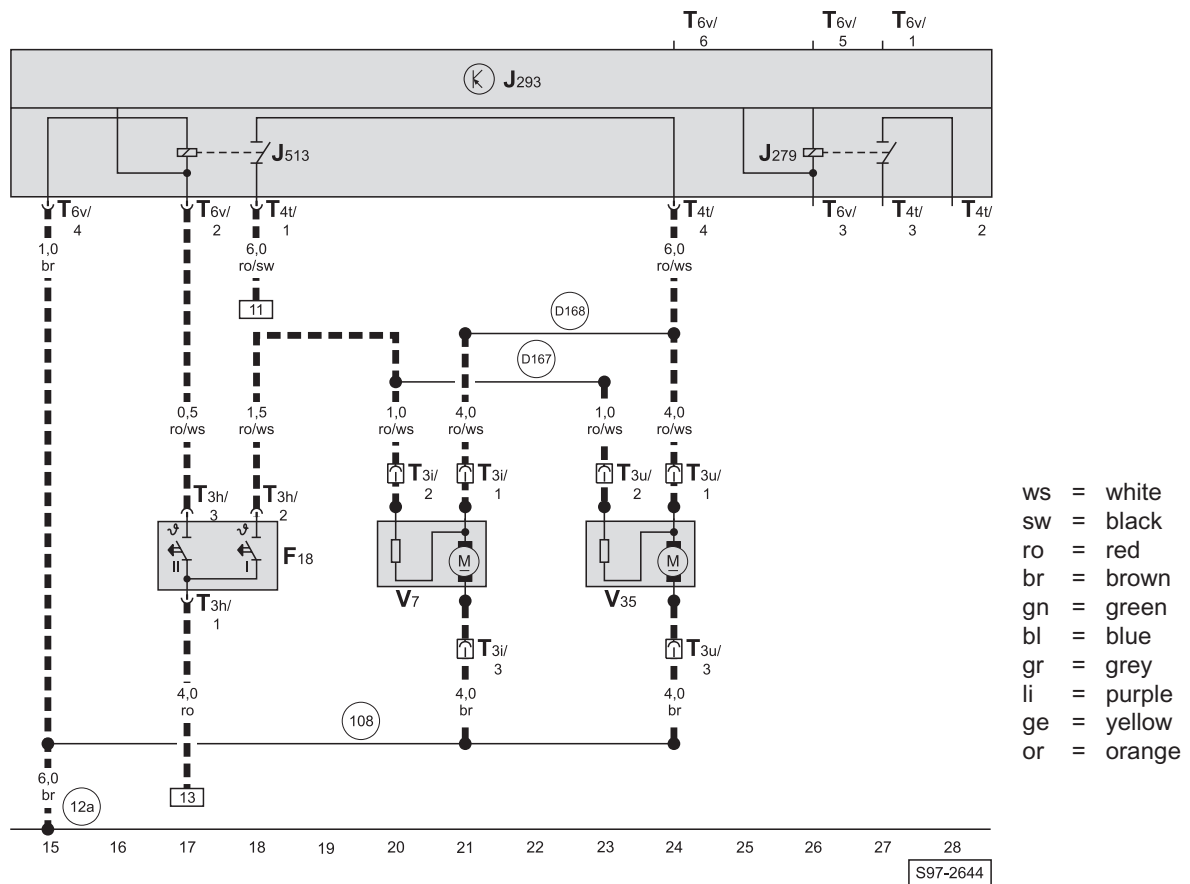
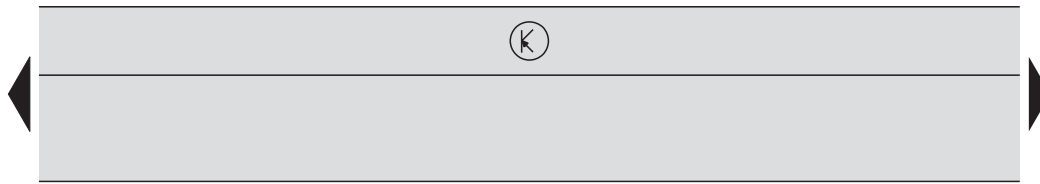
- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- S162 - Fuse -1- (30), in fuse holder on battery
- S176 - Fuse -4- (30), in fuse holder on battery
- S177 - Fuse -5- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)

(P1) - Positive connection (30), in fuse holder on battery

■■■ - Does not apply to models with air conditioning

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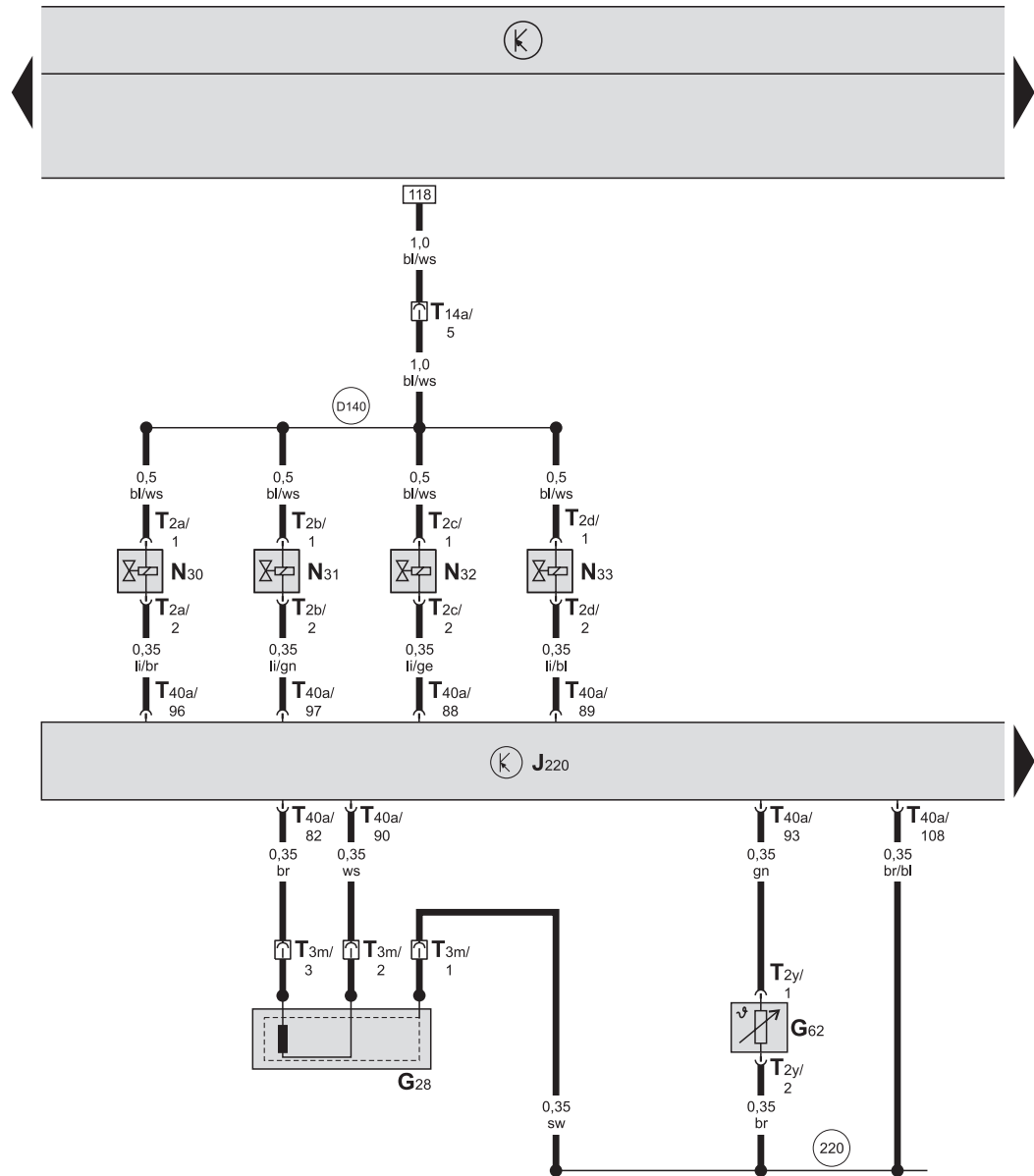
Radiator fan control unit, radiator fan thermostats, radiator fan



- F18 - Radiator fan thermostat
- J279 - Radiator fan relay, stage 1
- J293 - Radiator fan control unit
- J513 - Radiator fan relay, stage 2
- T3h - 3-pin connector, at radiator fan thermostat
- T3i - 3-pin connector, in bracket on left of radiator
- T3u - 3-pin connector, in bracket on left of radiator
- T4t - 4-pin connector, at radiator fan control unit
- T6v - 6-pin connector, at radiator fan control unit
- V7 - Radiator fan
- V35 - Radiator fan, right

- 12a - Earth point -2-, in engine compartment, on left below battery (at side member)
- 108 - Earth connection, in front left wiring harness
- D167 - Connection (fan stage 1), in engine compartment wiring loom
- D168 - Connection (fan stage 2), in engine compartment wiring loom
- - Does not apply to models with air conditioning

Motronic control unit, injectors, engine speed sender, coolant temperature sender



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

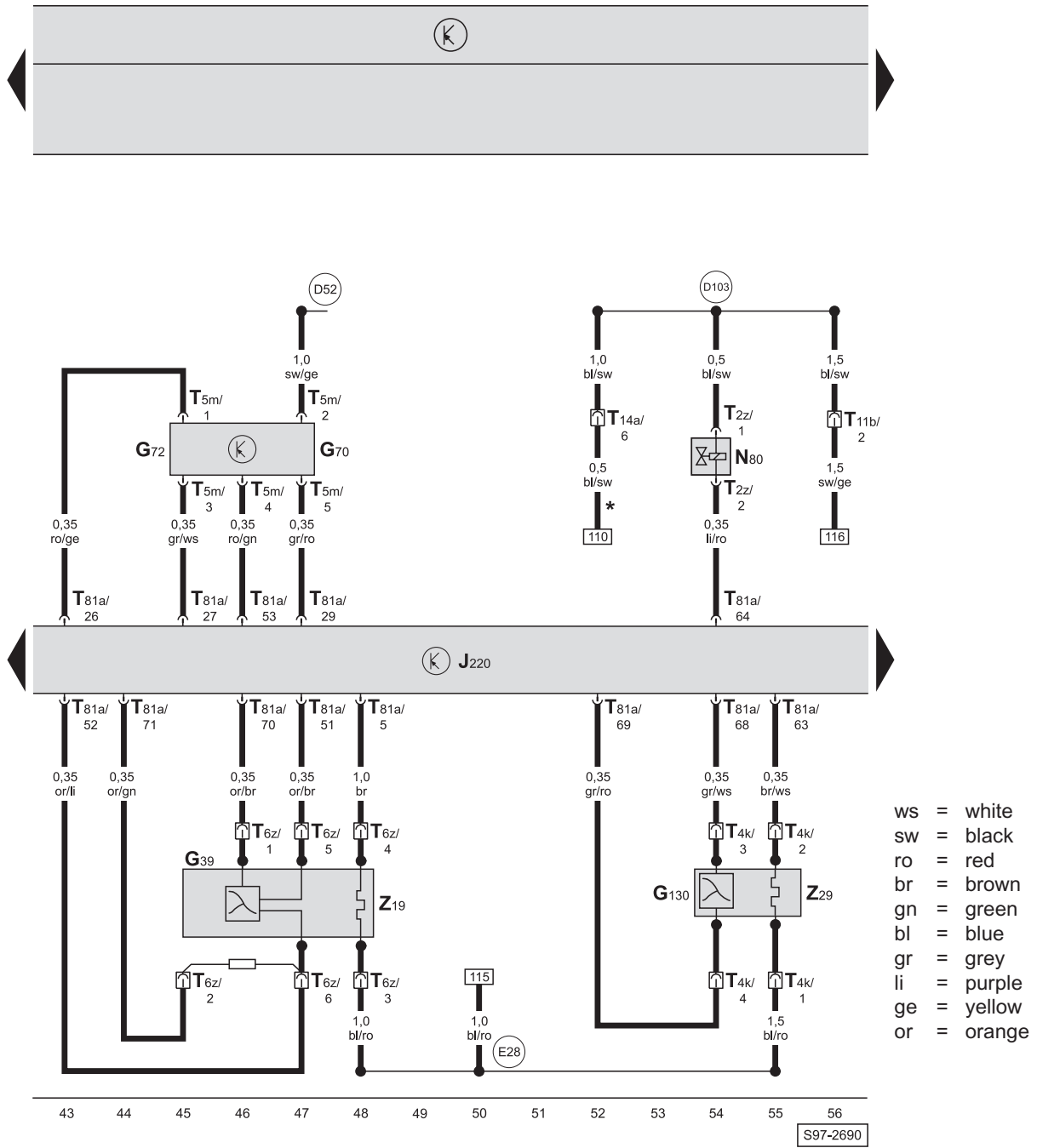
29 30 31 32 33 34 35 36 37 38 39 40 41 42

S97-3424

- G28 - Engine speed sender
- G62 - Coolant temperature sender
- J220 - Motronic control unit
- N30 - Injector cylinder 1
- N31 - Injector cylinder 2
- N32 - Injector cylinder 3
- N33 - Injector cylinder 4
- T2a - 2-pin connector, at injector cylinder 1
- T2b - 2-pin connector, at injector cylinder 2
- T2c - 2-pin connector, at injector cylinder 3
- T2d - 2-pin connector, at injector cylinder 4
- T2y - 2-pin connector, at coolant temperature sender
- T3m - 3-pin connector, at engine speed sender
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit

- (220) - Earth connection (sender earth), in engine pre-wiring wiring harness
- (D140) - Connection (injectors), in engine assembly wiring loom

Motronic control unit, lambda probe, lambda probe downstream of catalytic converter, air mass meter and intake manifold temperature sender, activated charcoal filter system solenoid valve

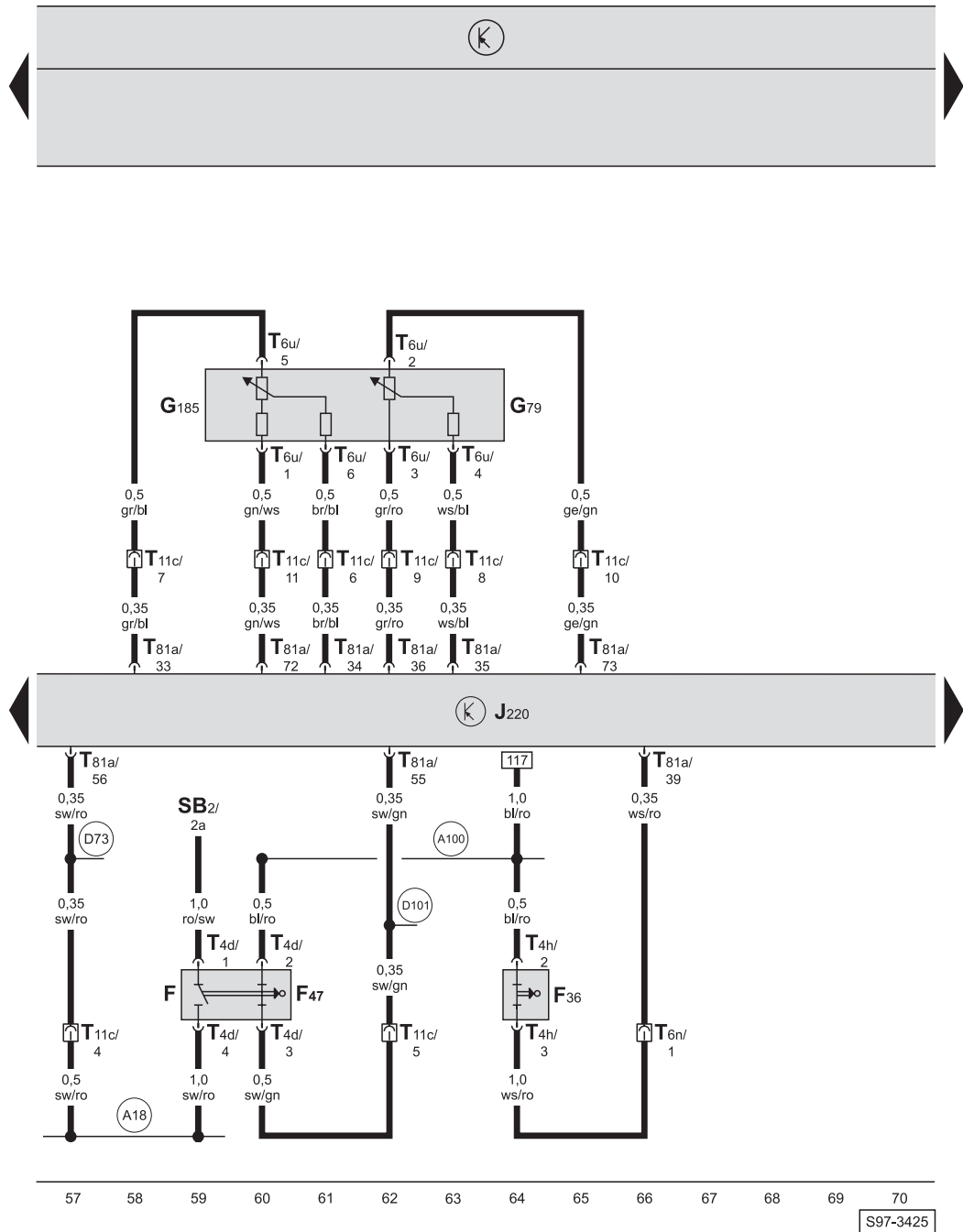


- G39 - Lambda probe
- G70 - Air mass meter
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J220 - Motronic control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system solenoid valve
- T4k - Connector, 4-pin, close to lambda probe downstream of catalytic converter
- T5m - Plug connection, 5-pin, at air mass meter and intake manifold temperature sender
- T6z - Connector, 6-pin, close to lambda probe
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T81a - 81-pin connector, at engine control unit
- Z19 - Lambda probe heater
- Z29 - Lambda probe heater downstream of catalytic converter

- (D52) - Positive connection (15a), in engine compartment wiring loom
- (D103) - Connection -3- (87a), in engine compartment wiring loom
- (E28) - Connection (lambda probe heater), in engine compartment wiring loom

* - Applies only to models with optional equipment

Motronic control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch

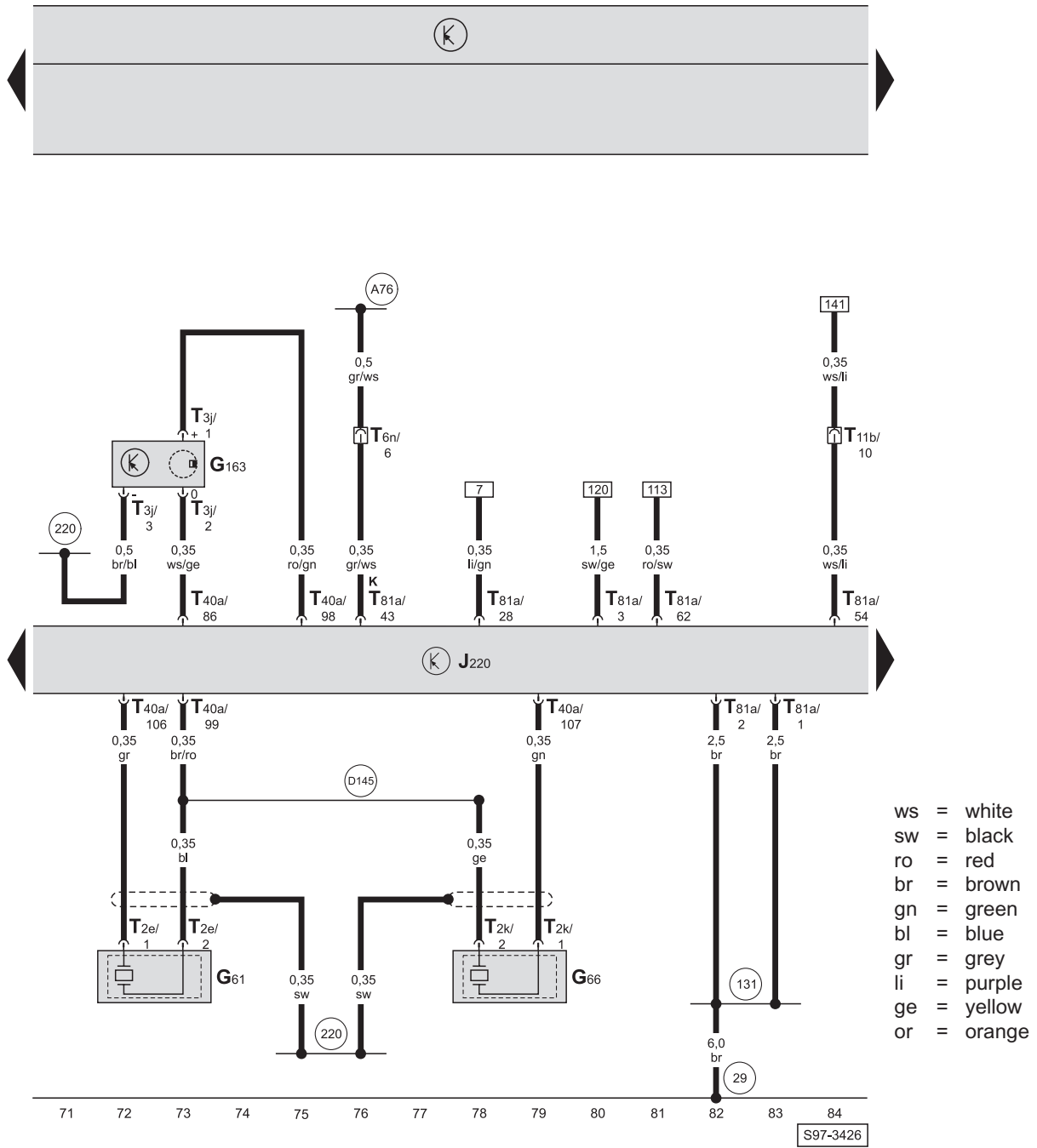


S97-3425

- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G79 - Accelerator position sender
- G185 - Accelerator pedal position sender -2-
- J220 - Motronic control unit
- SB2 - Fuse, in fuse holder
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11c - 11-pin connector, at left of bulkhead (blue)
- T81a - 81-pin connector, at engine control unit

- (A18) - Connection (54), in wiring loom behind dash panel
- (A100) - Connection (87a), in wiring loom behind dash panel
- (D73) - Connection (54), in left of engine compartment wiring loom
- (D101) - Connection (brake pedal switch), in engine compartment wiring loom

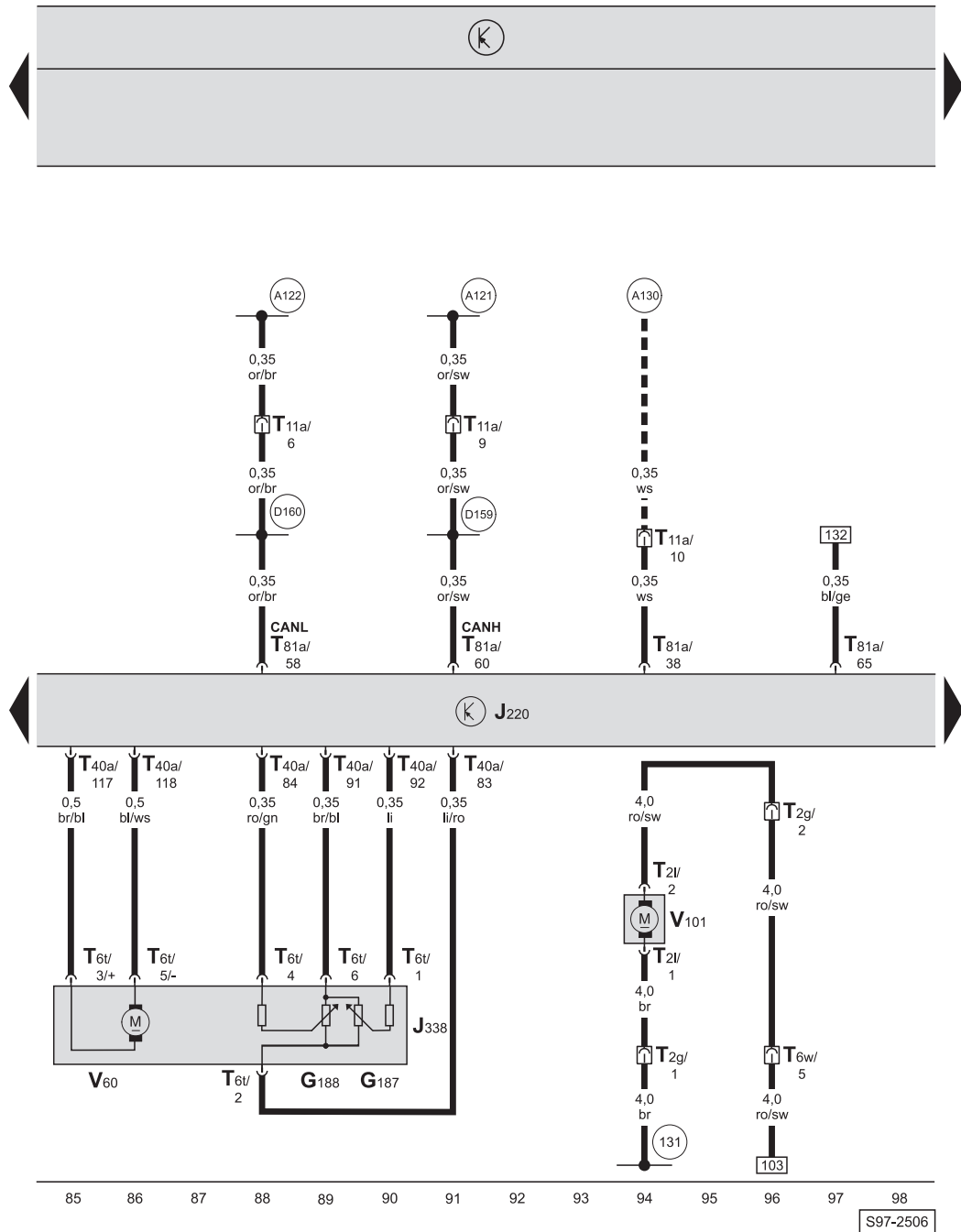
Motronic control unit, knock sensor I, knock sensor II, camshaft position sender



- G61 - Knock sensor I
- G66 - Knock sensor II
- G163 - Camshaft position sender
- J220 - Motronic control unit
- T2e - 2-pin connector, at knock sensor I
- T2k - 2-pin connector, at knock sensor II
- T3j - 3-pin connector, at camshaft position sender
- T6n - 6-pin connector, at left of bulkhead (blue)
- T11b - 11-pin connector, at left of bulkhead (red)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- 220 - Earth connection (sender earth), in engine pre-wiring wiring harness
- A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- D145 - Connection (knock sensors), in engine pre-wiring wiring harness

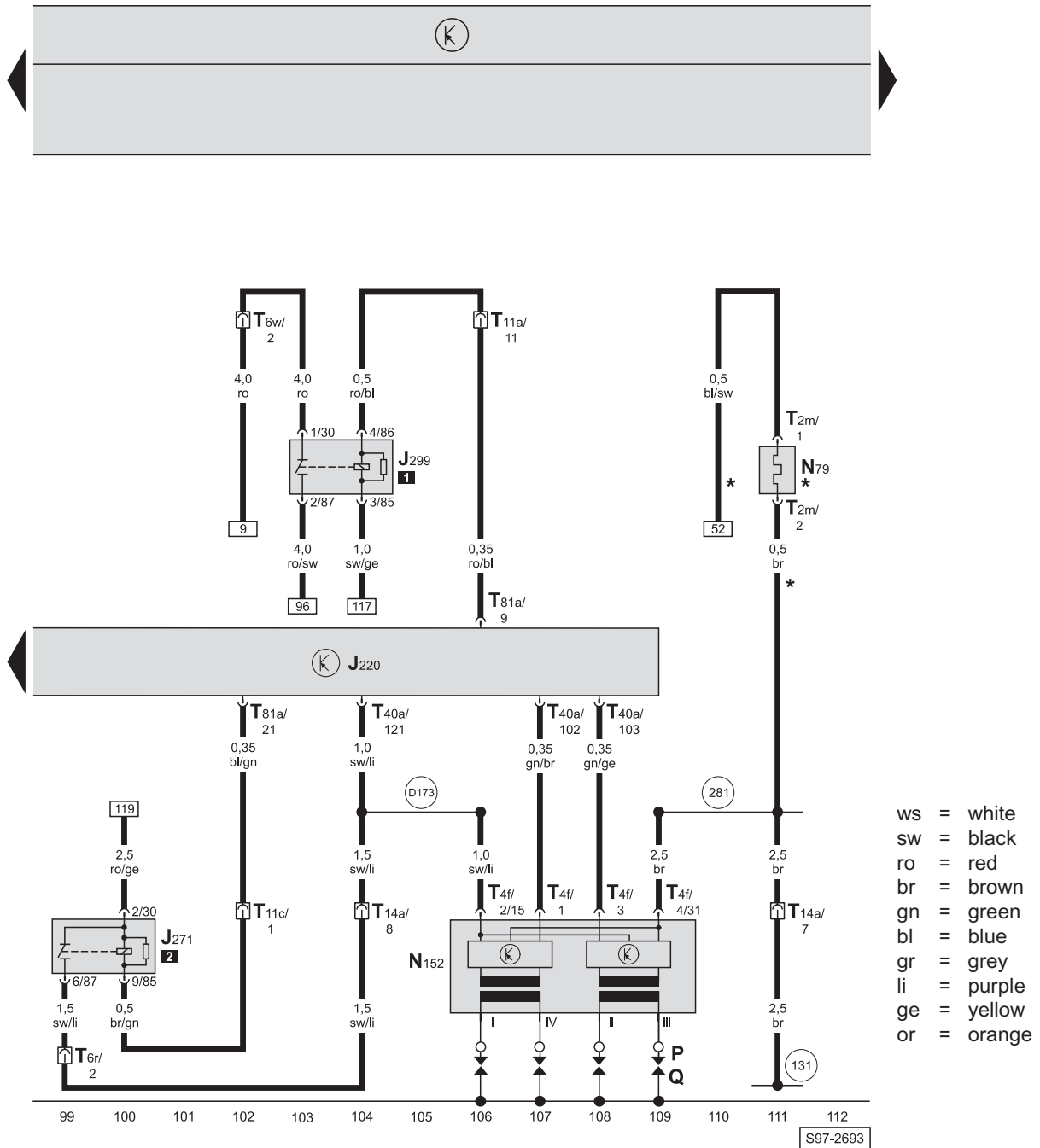
Motronic control unit, throttle valve control unit, secondary air pump motor



- G187 - Angle sender -1- for throttle valve drive (electric throttle operation)
- G188 - Angle sender -2- for throttle valve drive (electric throttle operation)
- J220 - Motronic control unit
- J338 - Throttle valve control unit
- T2g - 2-pin connector, in left of engine compartment (connection of engine assembly wiring loom/engine compartment wiring loom)
- T2l - 2-pin connector, at secondary air pump motor
- T6t - 6-pin connector, at throttle valve control unit
- T6w - 6-pin connector, at left of bulkhead (grey)
- T11a - 11-pin connector, at left of bulkhead (white)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- V60 - Throttle valve positioner
- V101 - Secondary air pump motor

- (131) - Earth connection -2-, in engine compartment wiring harness
- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (A130) - Connection (CCS), in wiring loom behind dash panel on left
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom
- - Applies only to models with CCS

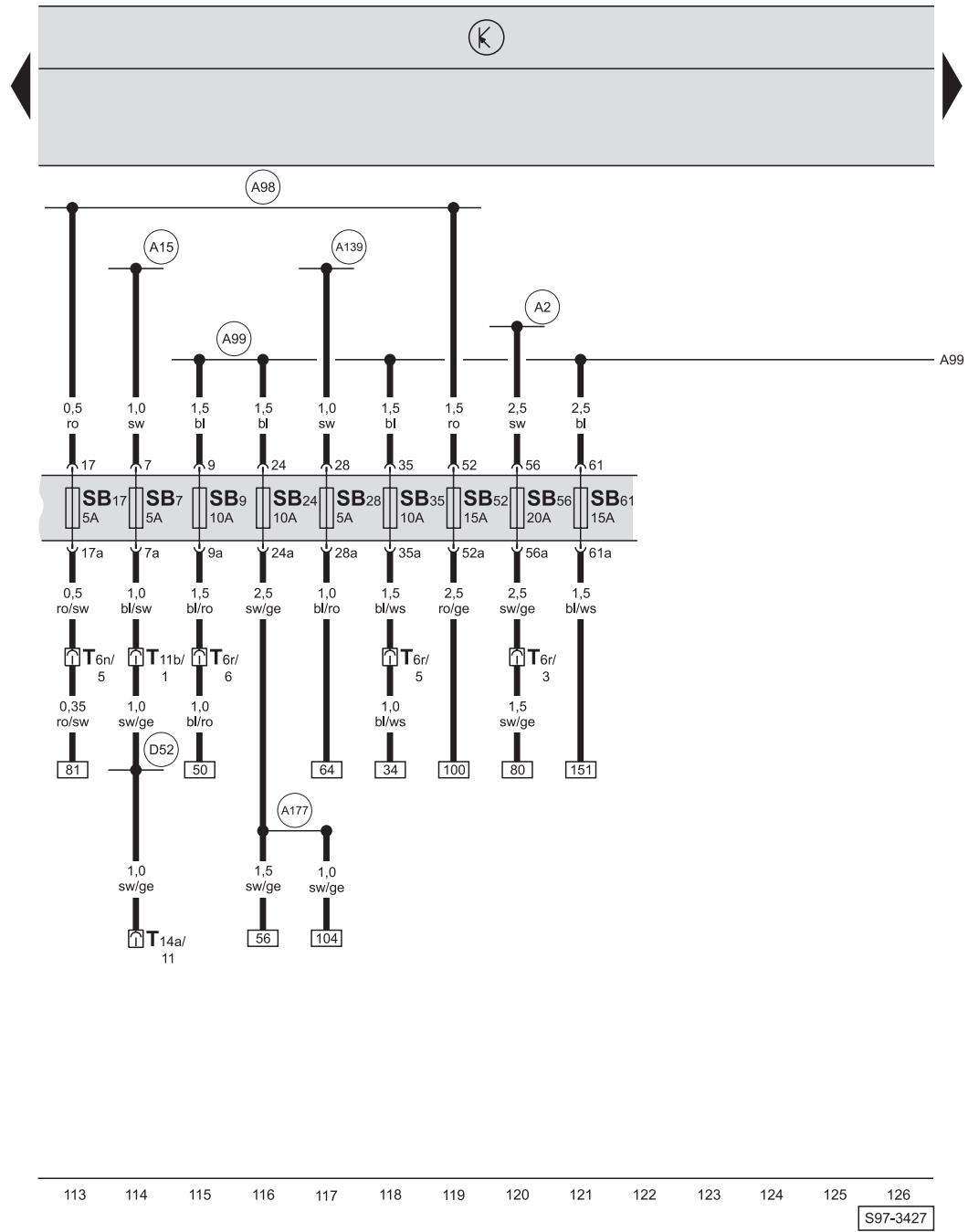
Motronic control unit, ignition system, secondary air pump relay



- J220 - Motronic control unit
- J271 - Motronic power supply relay
- J299 - Secondary air pump relay
- N79 - Crankcase breather heater element
- N152 - Ignition transformer
- P - Spark plug connector
- Q - Spark plugs
- T2m - 2-pin connector, at crankcase breather heater element
- T4f - 4-pin connector, at ignition transformer
- T6r - 6-pin connector, at left of bulkhead (brown)
- T6w - 6-pin connector, at left of bulkhead (grey)
- T11a - 11-pin connector, at left of bulkhead (white)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (131) - Earth connection -2-, in engine compartment wiring harness
- (281) - Earth connection -1-, in engine pre-assembly wiring loom
- (D173) - Connection (87), in engine assembly wiring loom
- * - Applies only to models with optional equipment

Fuse holder

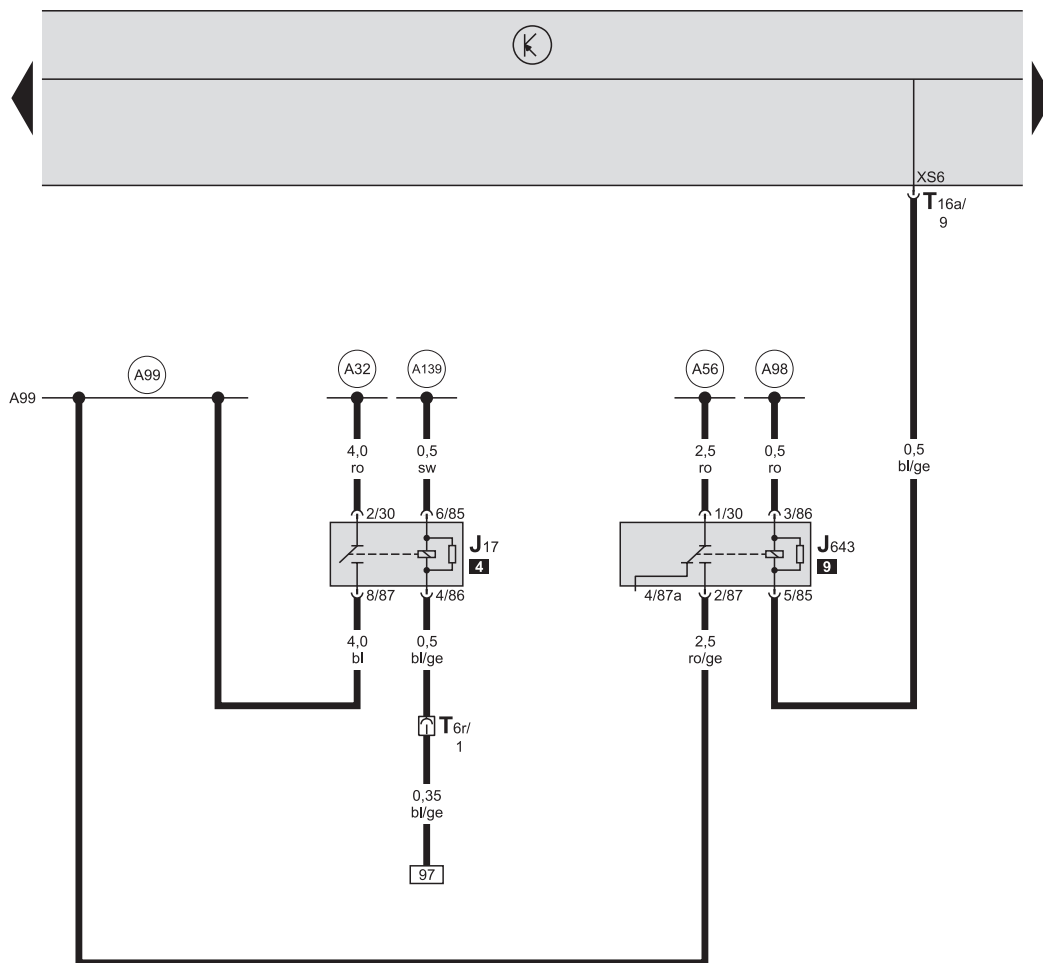


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- T6n - 6-pin connector, at left of bulkhead (blue)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- (A2) - Positive connection (15), in wiring loom behind dash panel
- (A15) - Positive connection (15), in wiring loom behind dash panel
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A99) - Connection (87), in wiring loom behind dash panel
- (A139) - Positive connection (15), in wiring loom behind dash panel
- (A177) - Connection (87), in wiring loom behind dash panel
- (D52) - Positive connection (15a), in engine compartment wiring loom

Fuel pump relay, fuel feed relay



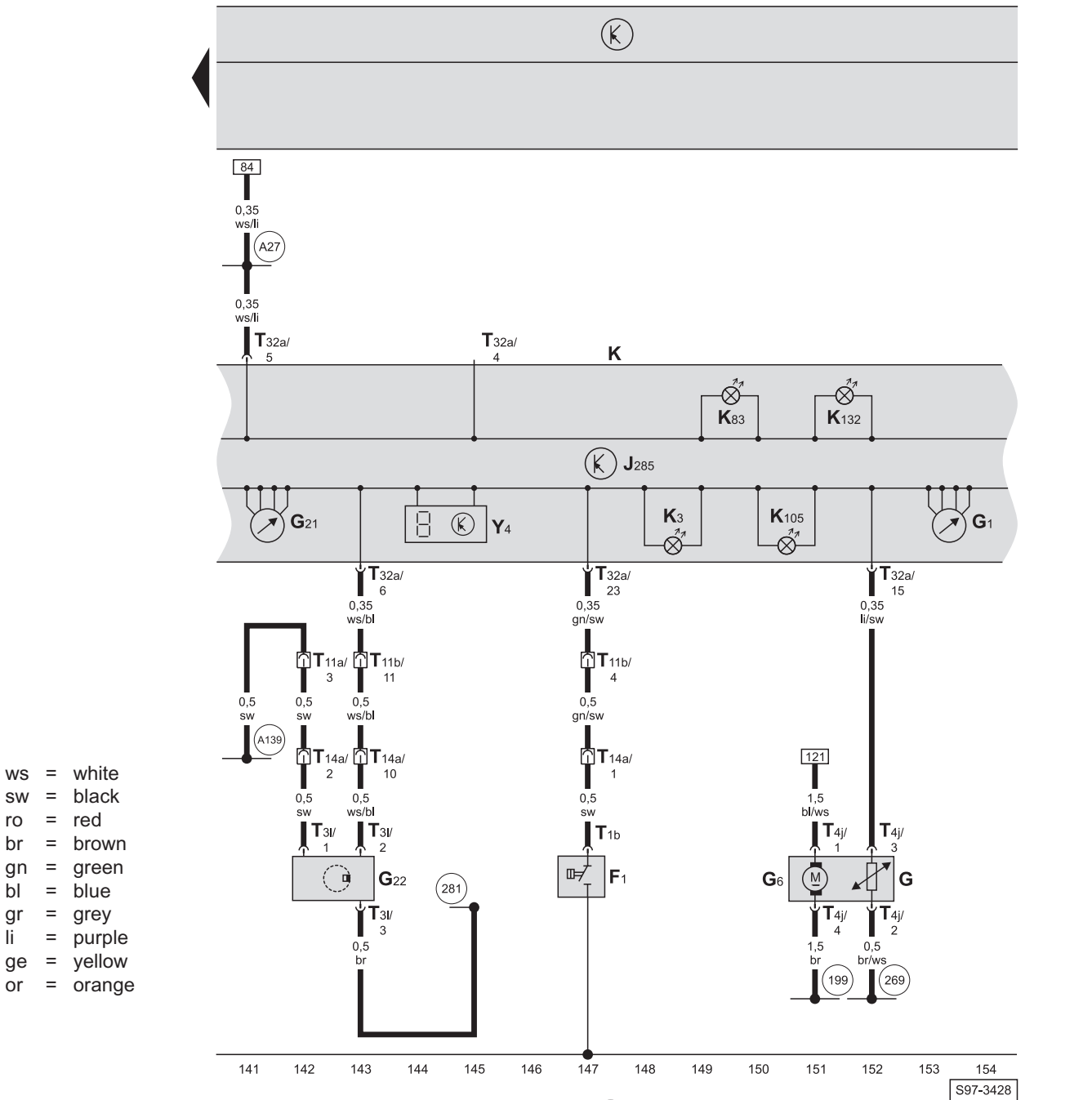
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

127 128 129 130 131 132 133 134 135 136 137 138 139 140
S97-3506

- J17 - Fuel pump relay
- J643 - Fuel feed relay
- T6r - 6-pin connector, at left of bulkhead (brown)
- T16a - 16-pin connector, at electrical system control unit (black)

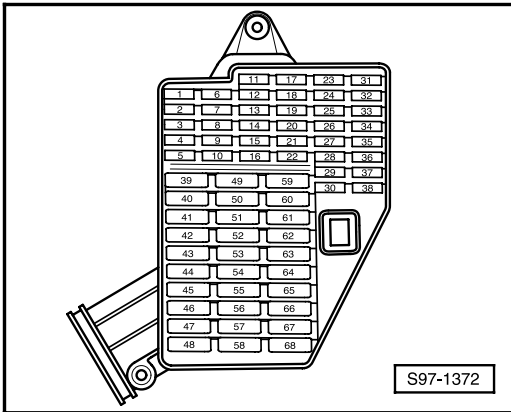
- A32 - Positive connection (30a), in wiring loom behind dash panel on left
- A56 - Positive connection (30a), in wiring loom behind dash panel
- A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- A99 - Connection (87), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel

Dash panel insert, control unit in dash panel insert, warning lights, oil pressure switch, fuel gauge sender, fuel pump, speedometer sender, fuel gauge, speedometer, odometer display



1.9 I - SDI/47 kW, engine code ASY, from November 2002

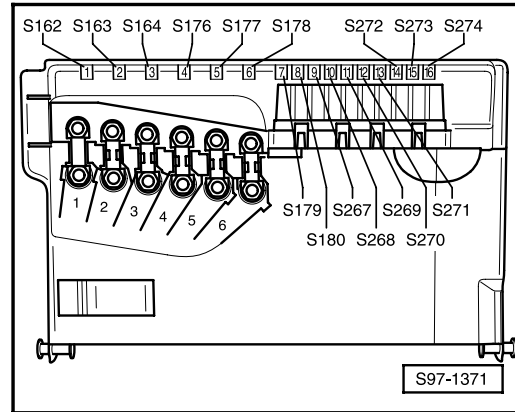
Fuse holder:



Fuse colours

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

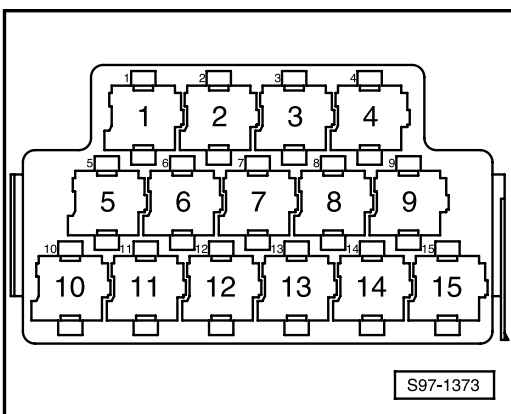
Fuse holder on battery:



Fuse colours

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

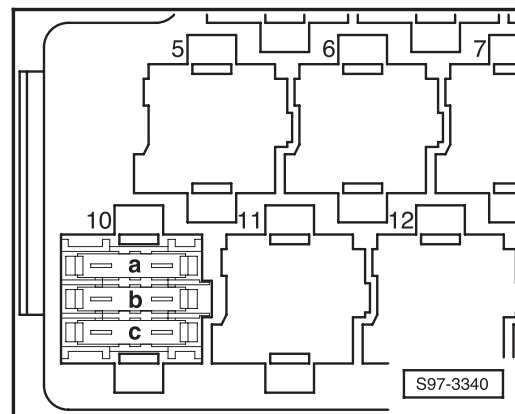
Relay holder:



Relay position assignment:

- 3** - Glow plug relay
- 8** - Low heating capacity relay
- 9** - High heating capacity relay
- 15** - Diesel direct injection system relay

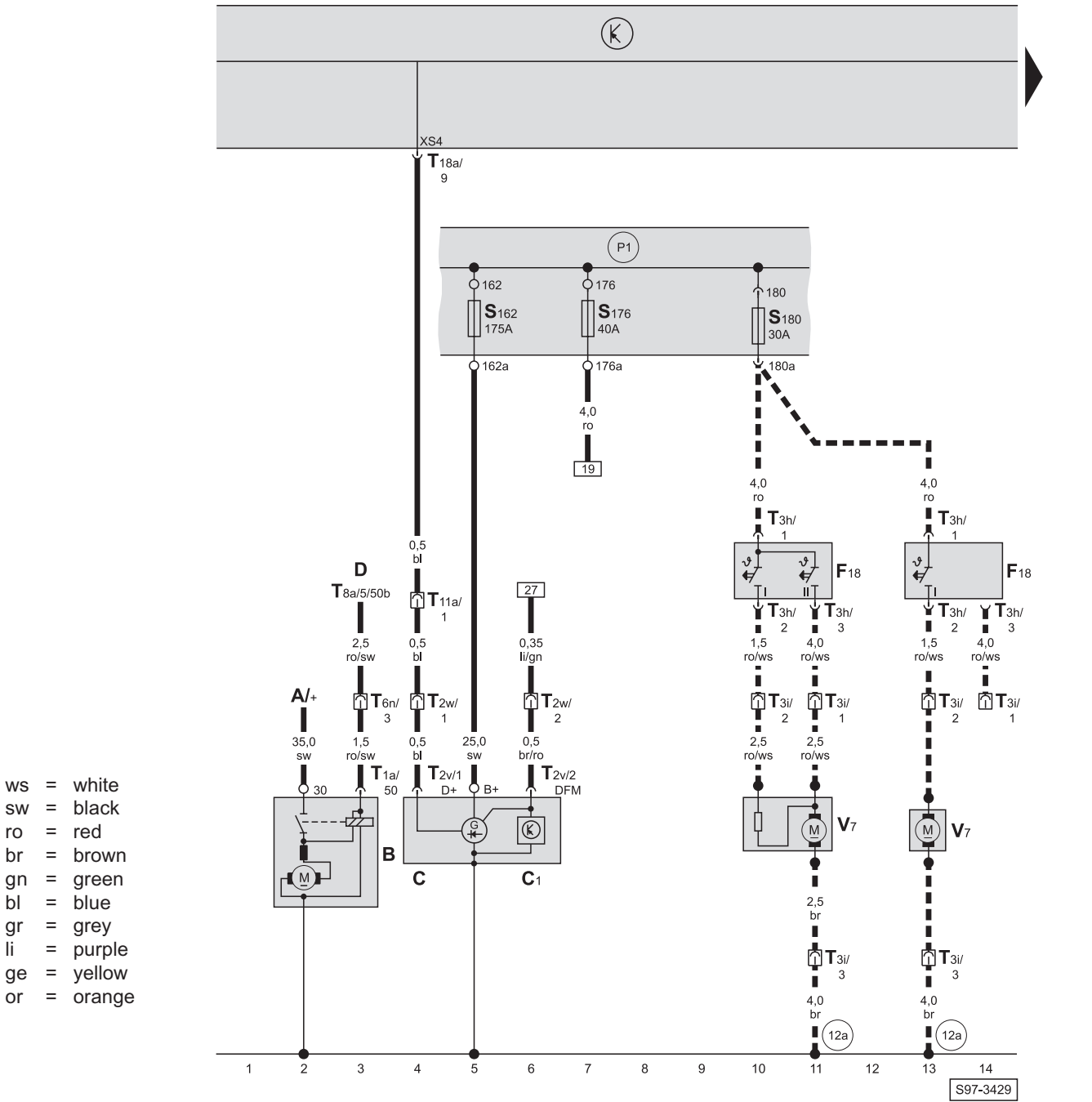
Additional fuse holder:



Fuse position assignment:

- a** - S276 - Fuse -1- for heating element
- b** - S277 - Fuse -2- for heating element
- c** - S278 - Fuse -3- for heating element

Starter, alternator, radiator fan, fuse holder on battery



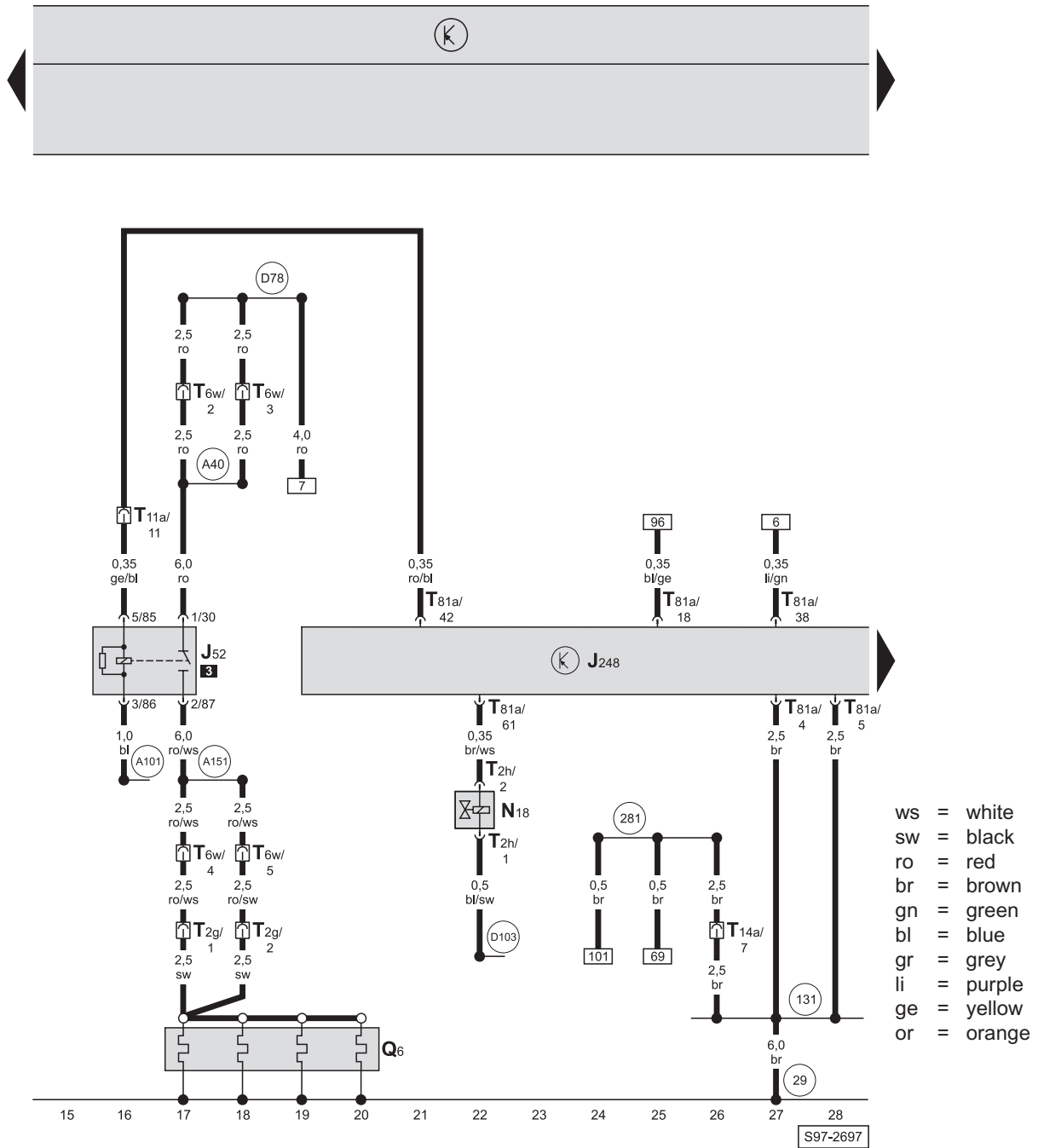
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermoswitch
- S162 - Fuse -1- (30), in fuse holder on battery
- S176 - Fuse -4- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T3h - 3-pin connector, at radiator fan thermoswitch
- T3i - 3-pin connector, in bracket on left of radiator
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)
- V7 - Radiator fan

- (12a) - Earth point -2-, in engine compartment, on left below battery (at side member)
- (P1) - Positive connection (30), in fuse holder on battery
- - Thermoswitch and radiator fan vary according to optional equipment (does not apply to models with air conditioning)

S97-3429

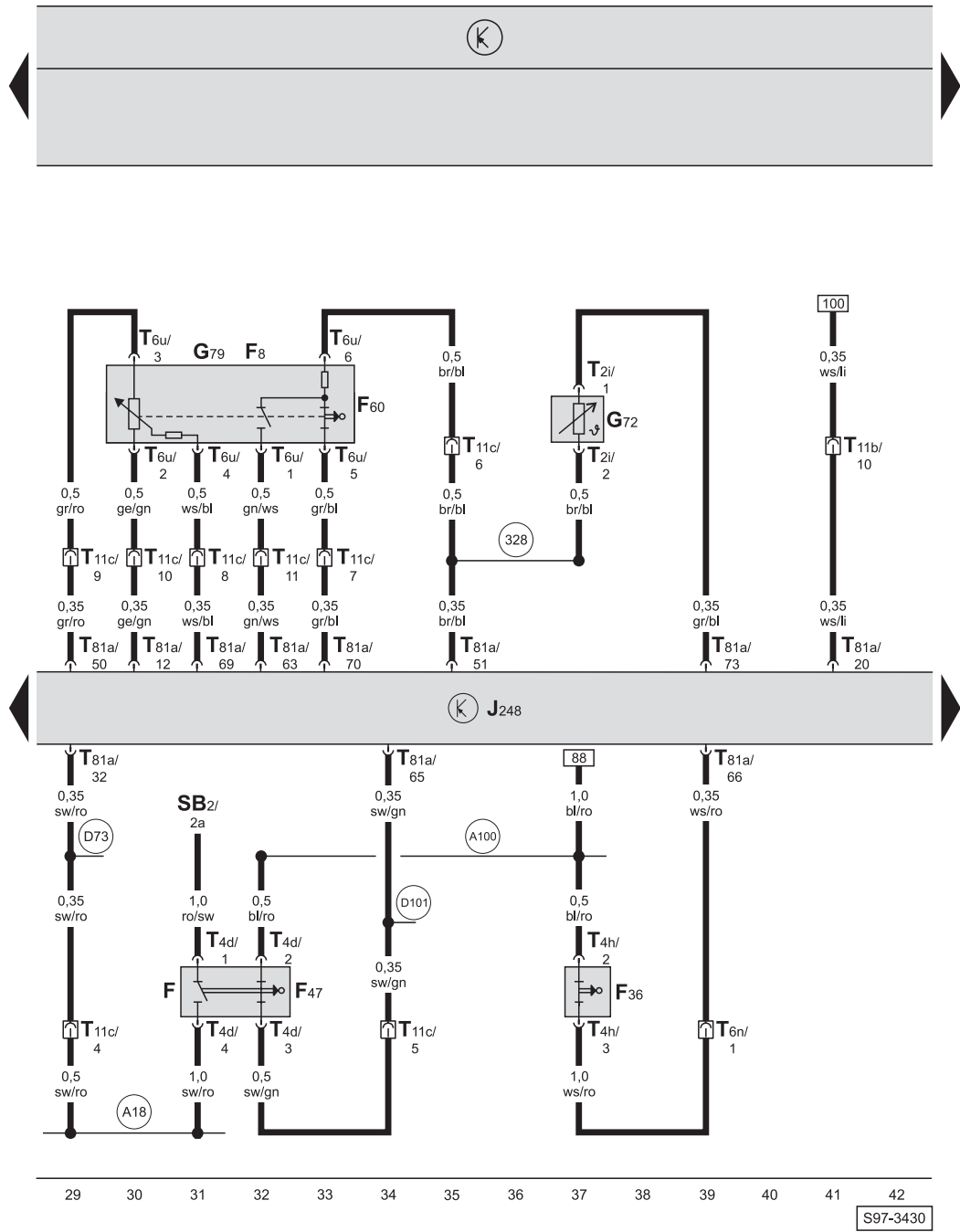
Diesel direct injection system control unit, glow plug relay, glow plugs, EGR valve



- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit
- N18 - EGR valve
- Q6 - Glow plugs
- T2g - 2-pin connector, in left of engine compartment (connection of engine assembly wiring loom/engine compartment wiring loom)
- T2h - 2-pin connector, at exhaust gas recirculation valve
- T6w - 6-pin connector, at left of bulkhead (grey)
- T11a - 11-pin connector, at left of bulkhead (white)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- 281 - Earth connection -1-, in engine pre-assembly wiring loom
- A40 - Positive connection (30a), in wiring loom behind dash panel
- A101 - Connection (87), in wiring loom behind dash panel
- A151 - Connection (87), in wiring loom behind dash panel
- D78 - Positive connection -1- (30a), in engine compartment wiring loom
- D103 - Connection -3- (87a), in engine compartment wiring loom

Diesel direct injection system control unit, accelerator pedal position sender, intake manifold temperature sender, brake pedal switch, clutch pedal switch



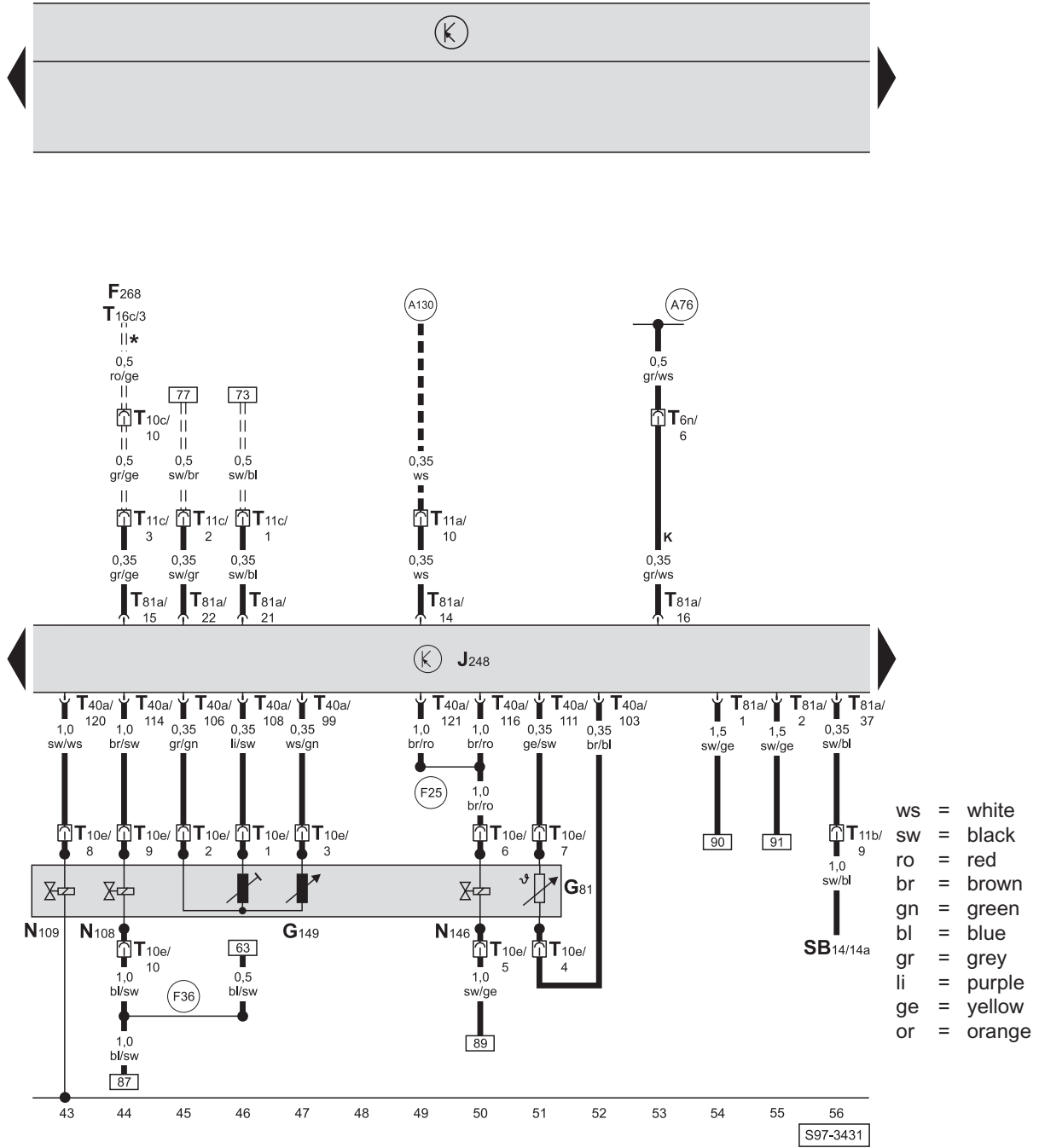
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- F - Brake light switch
- F8 - Kickdown switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- F60 - Idling speed switch
- G72 - Intake manifold temperature sender
- G79 - Accelerator position sender
- J248 - Diesel direct injection system control unit
- SB2 - Fuse, in fuse holder
- T2i - 2-pin connector, at fuel gauge sender
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11b - 11-pin connector, at left of bulkhead (red)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T81a - 81-pin connector, at engine control unit

- 328 - Earth connection -2- (sender earth), in engine compartment wiring harness
- A18 - Connection (54), in wiring loom behind dash panel
- A100 - Connection (87a), in wiring loom behind dash panel
- D73 - Connection (54), in left of engine compartment wiring loom
- D101 - Connection (brake pedal switch), in engine compartment wiring loom

S97-3430

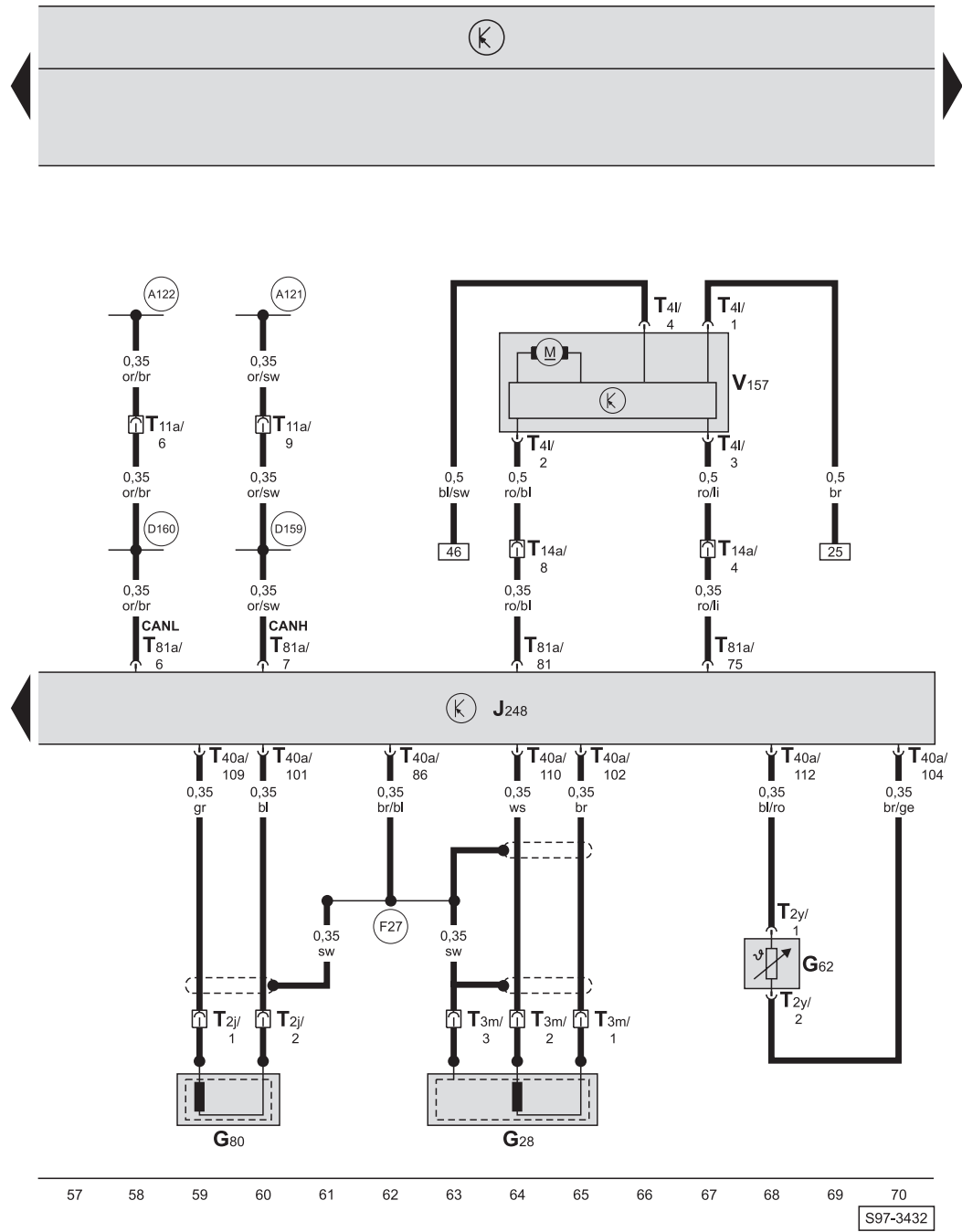
Diesel direct injection system control unit, fuel temperature sender, modulating piston movement sender, quantity adjuster



- F268 - Heater element contact switch (PTC)
- G81 - Fuel temperature sender
- G149 - Modulating piston movement sender
- J248 - Diesel direct injection system control unit
- N108 - Commencement of injection valve
- N109 - Fuel cut off valve
- N146 - Quantity (metering) adjuster
- SB14 - Fuse, in fuse holder
- T6n - 6-pin connector, at left of bulkhead (blue)
- T10c - 10-pin connector, behind dash panel on right
- T10e - 10-pin connector, at injection pump
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T16c - 16-pin connector, at fresh air controls
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (A76) - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- (A130) - Connection (CCS), in wiring loom behind dash panel on left
- (F25) - Connection -1-, in engine preassembly wiring loom
- (F36) - Connection (87a), in engine preassembly wiring loom
- * - does not apply to models with air conditioning
- - Applies only to models with CCS
- === - Applies only to models with heating element (PTC)

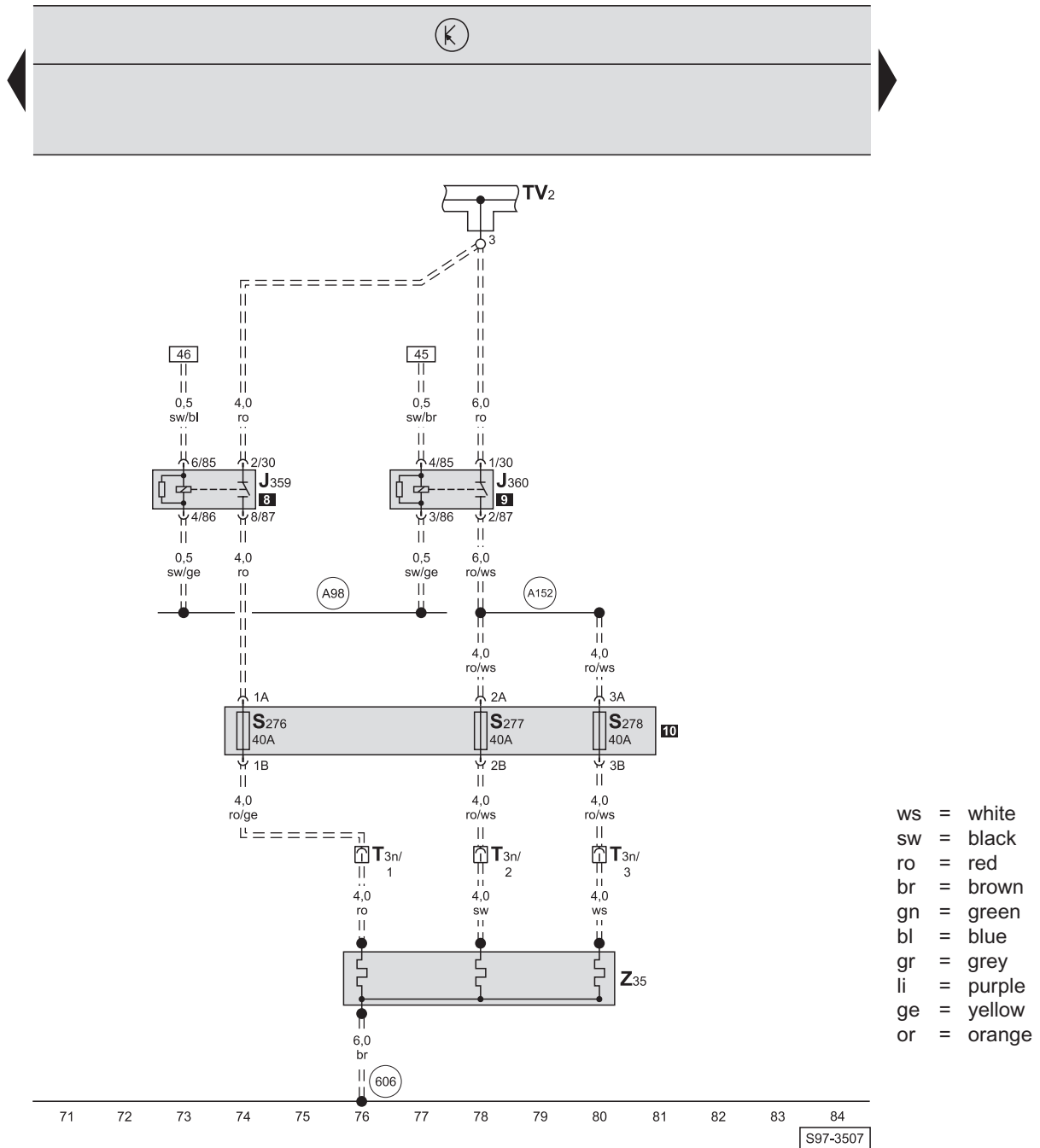
Diesel direct injection system control unit, Engine speed sender, Coolant temperature sender, Needle lift sender, Intake manifold flap motor



- G28 - Engine speed sender
- G62 - Coolant temperature sender
- G80 - Needle lift sender
- J248 - Diesel direct injection system control unit
- T2j - 2-pin connector, at needle lift sender
- T2y - 2-pin connector, at coolant temperature sender
- T3m - 3-pin connector, at engine speed sender
- T4l - 4-pin connector, at intake manifold flap motor
- T11a - 11-pin connector, at left of bulkhead (white)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- V157 - Intake manifold flap motor

- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom
- (F27) - Connection (screening), in engine pre-wiring wiring harness

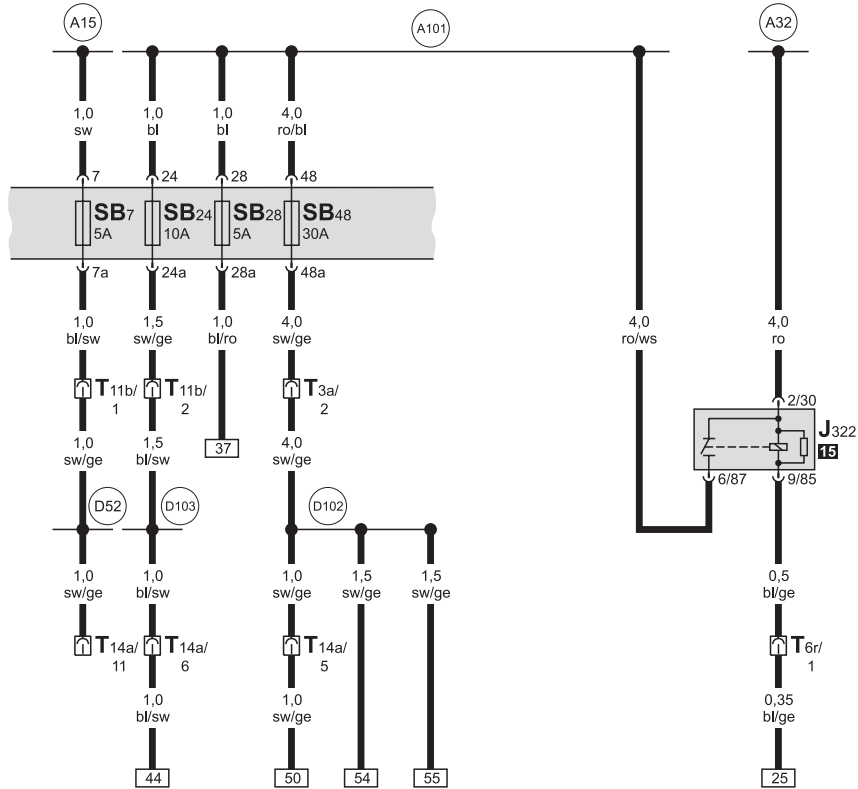
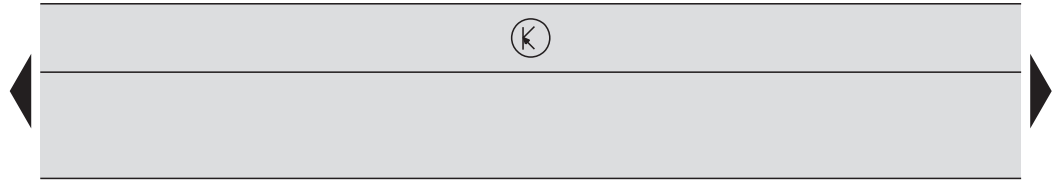
Low heating capacity relay, high heating capacity relay, heating element for additional heater (PTC), additional fuse holder



- J359 - Low heating capacity relay
- J360 - High heating capacity relay
- S276 - Fuse -1- for heater element
- S277 - Fuse -2- for heater element
- S278 - Fuse -3- for heater element
- T3n - 3-pin connector, behind dash panel (at PTC heating element)
- TV2 - Terminal 30 junction, behind dash panel on left
- Z35 - Additional heating heater element (PTC)

- (606) - Earth point, under the centre console, near gear stick
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A152) - Connection (87), in wiring harness behind dash panel
- === - Applies only to models with heating element (PTC)

Diesel direct injection system relay, fuse holder



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

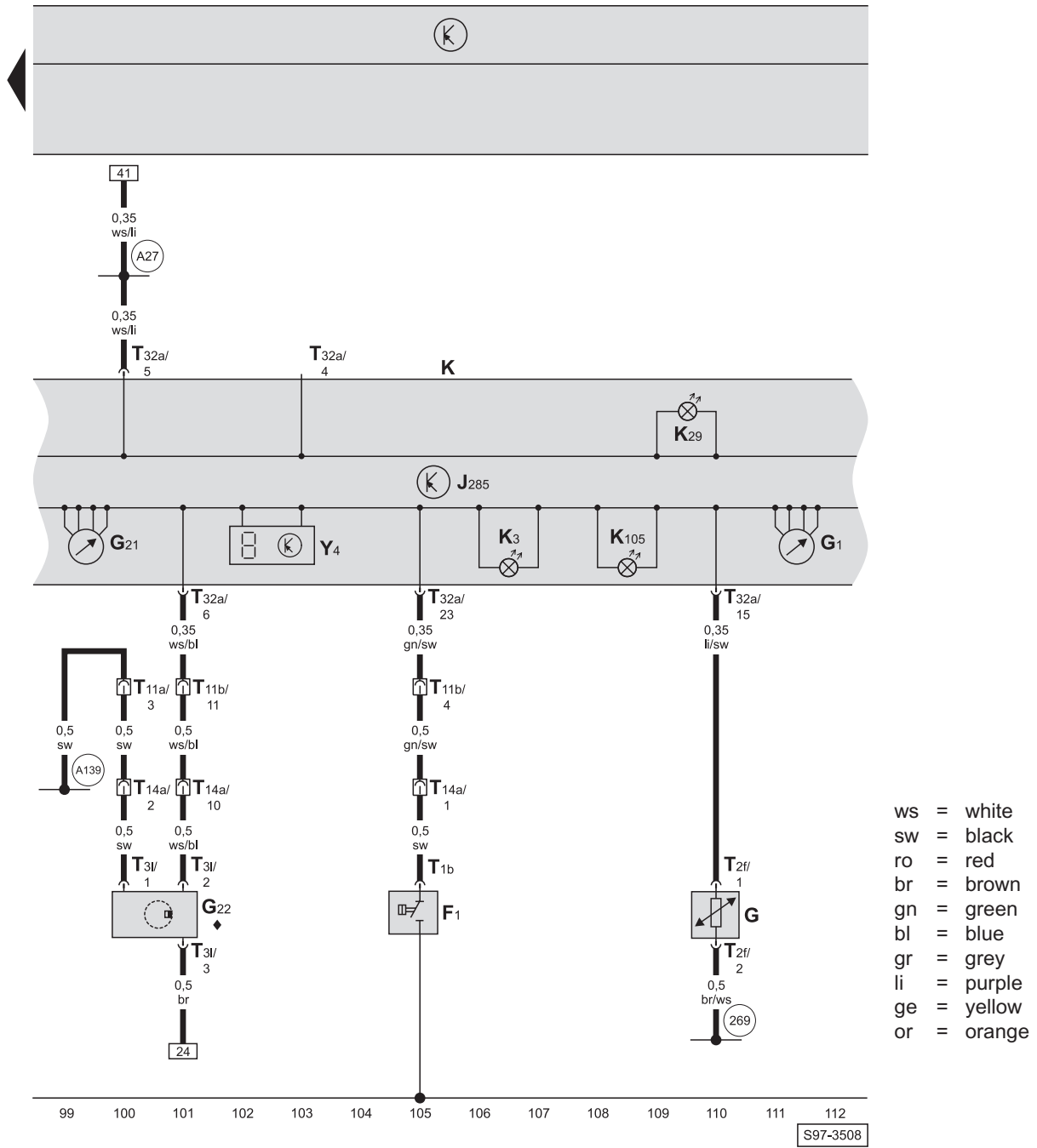
85 86 87 88 89 90 91 92 93 94 95 96 97 98

S97-3434

- J322 - Diesel direct injection system relay
- T3a - 3-pin connector, at left of bulkhead (grey)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- (A15) - Positive connection (15), in wiring loom behind dash panel
- (A32) - Positive connection (30a), in wiring loom behind dash panel on left
- (A101) - Connection (87), in wiring loom behind dash panel
- (D52) - Positive connection (15a), in engine compartment wiring loom
- (D102) - Connection -2- (87a), in wiring loom in left of engine compartment
- (D103) - Connection -3- (87a), in engine compartment wiring loom

Dash panel insert, control unit in dash panel insert, warning lights, oil pressure switch, fuel gauge sender, fuel pump, speedometer sender, fuel gauge, speedometer, odometer display

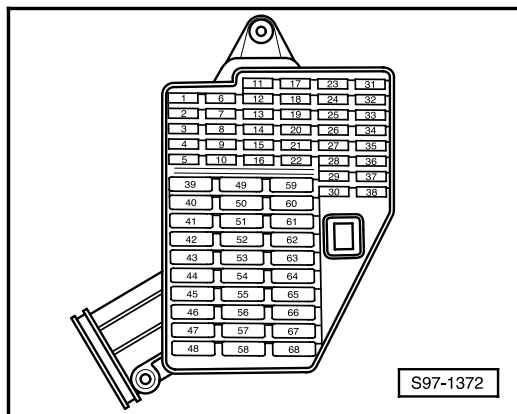


- F1 - Oil pressure switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G21 - Speedometer
- G22 - Speedometer sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K3 - Oil pressure warning lamp
- K29 - Glow period warning lamp
- K105 - Reserve fuel warning lamp
- T1b - 1-pin connector, at oil pressure switch
- T2f - 2-pin connector, at fuel gauge sender
- T3l - 3-pin connector, at speedometer sender
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T32a - 32-pin connector, at dash panel insert
- Y4 - Odometer display

- (269) - Earth connection (sender earth) -1-, in wiring harness behind dash panel
- (A27) - Connection (vehicle speed signal), in wiring loom behind dash panel
- (A139) - Positive connection (15), in wiring loom behind dash panel
- ◆ - not valid for vehicles with ABS/ABS with EDL and TCS/ESP

1.9 I - TDI with unit injection/74 kW, engine code ATD, from November 2002

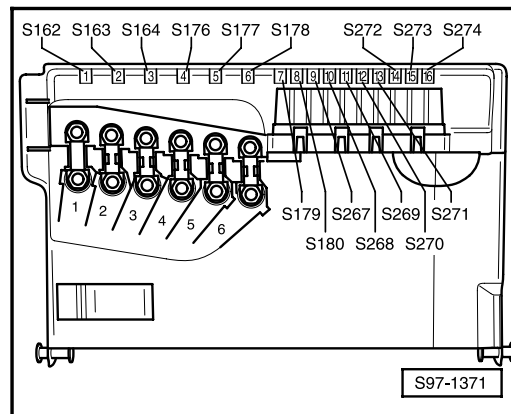
Fuse holder:



Fuse colours

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

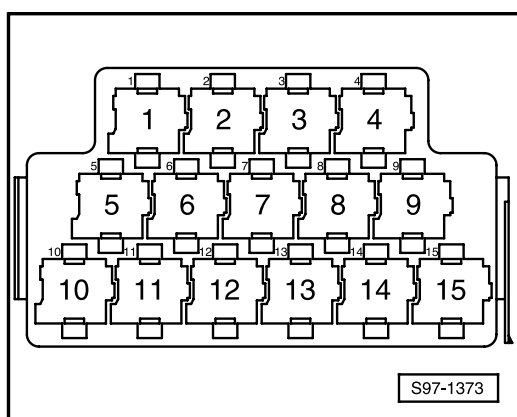
Fuse holder on battery:



Fuse colours

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

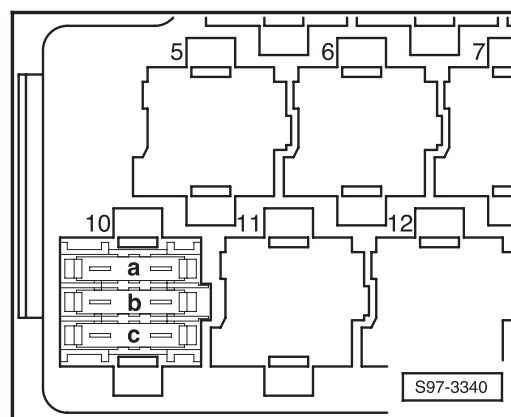
Relay holder:



Relay position assignment:

- 3** - Glow plug relay
- 4** - Fuel pump relay
- 8** - Low heating capacity relay
- 9** - High heating capacity relay
- 15** - Diesel direct injection system relay

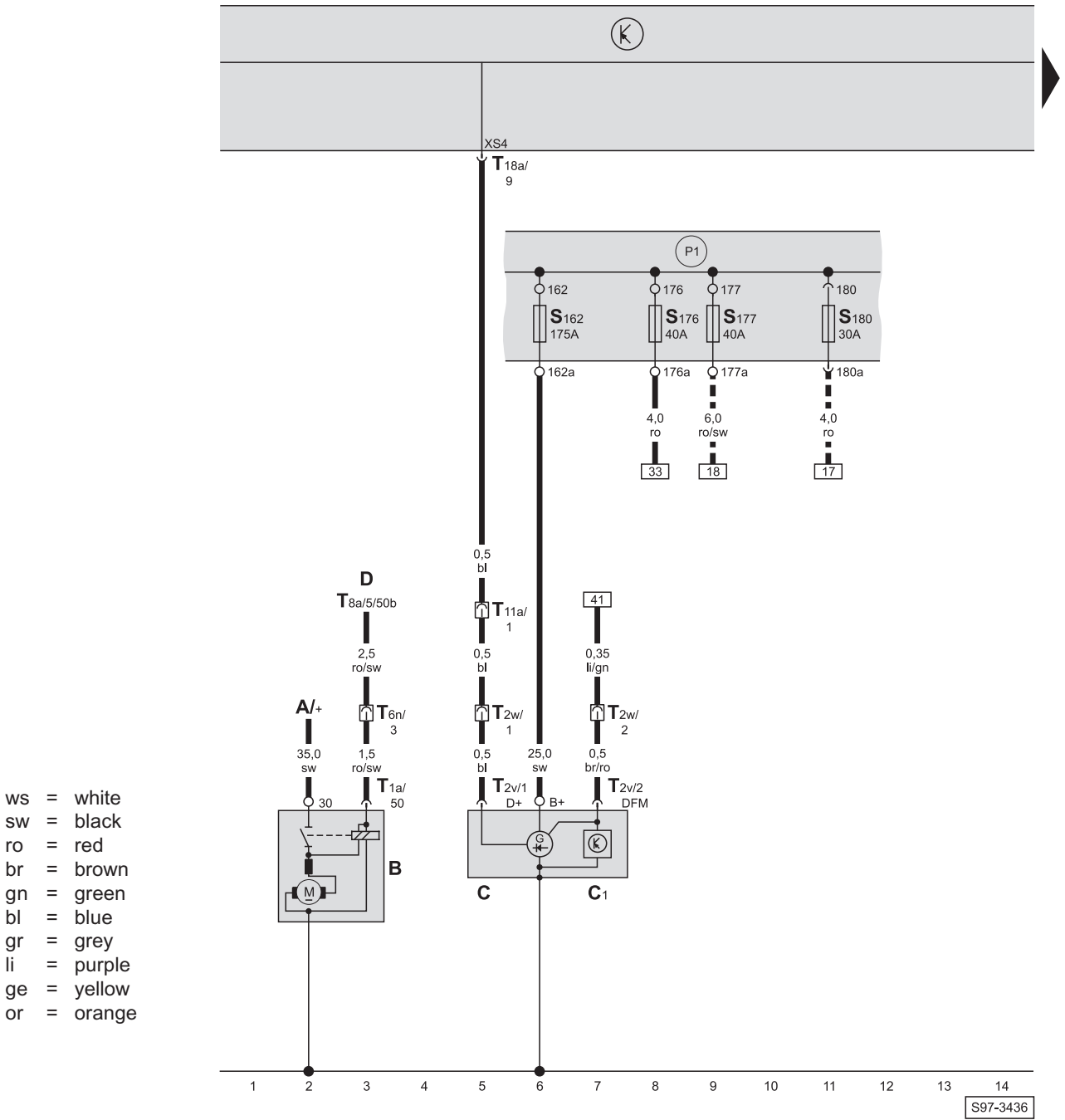
Additional fuse holder:



Fuse position assignment:

- a** - S276 - Fuse -1- for heating element
- b** - S277 - Fuse -2- for heating element
- c** - S278 - Fuse -3- for heating element

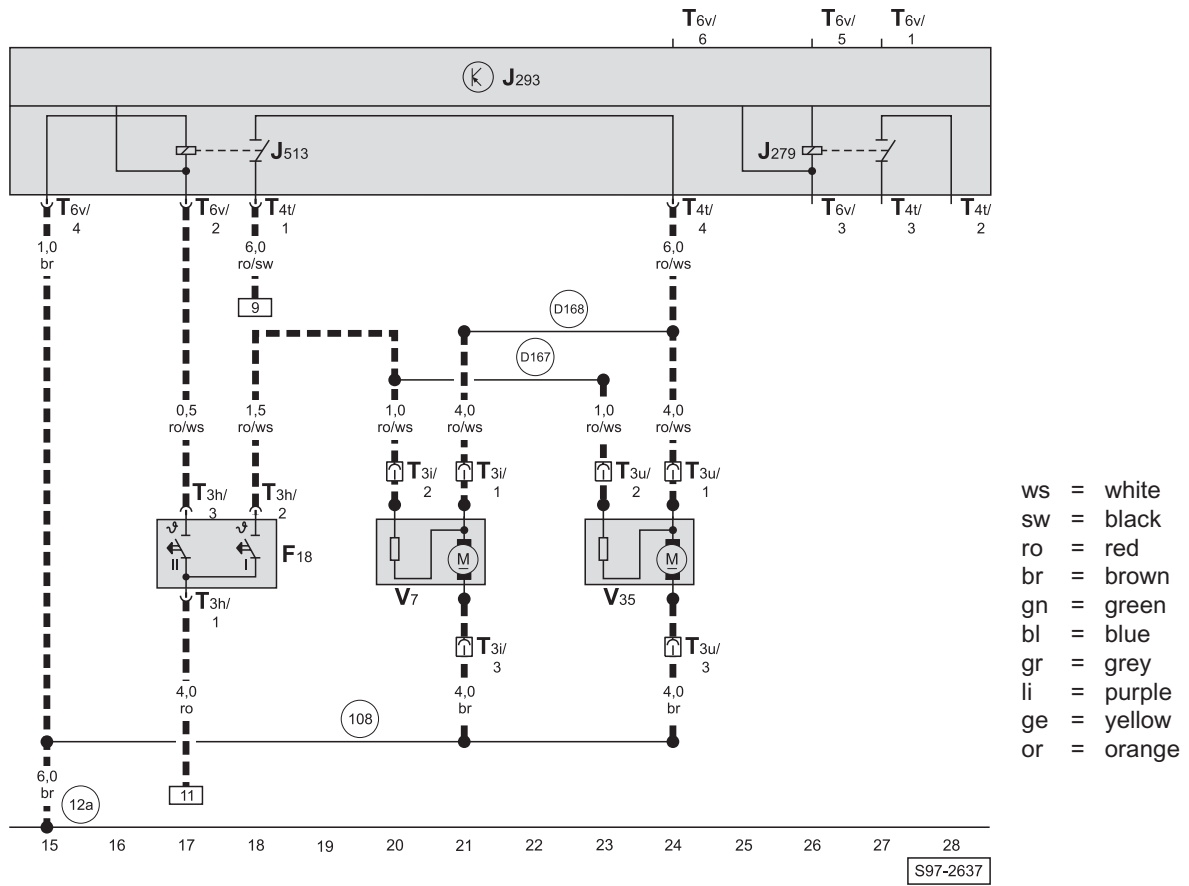
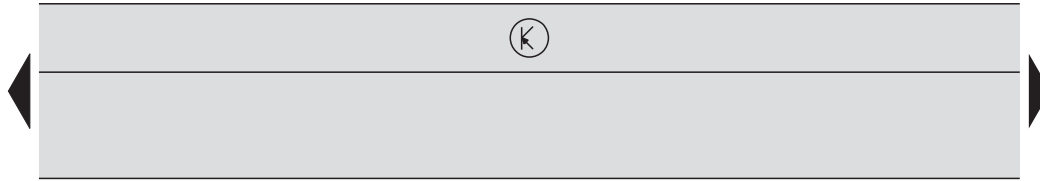
Starter, alternator, fuse holder on battery



- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- S162 - Fuse -1- (30), in fuse holder on battery
- S176 - Fuse -4- (30), in fuse holder on battery
- S177 - Fuse -5- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)

- P1 - Positive connection (30), in fuse holder on battery
- - Does not apply to models with air conditioning

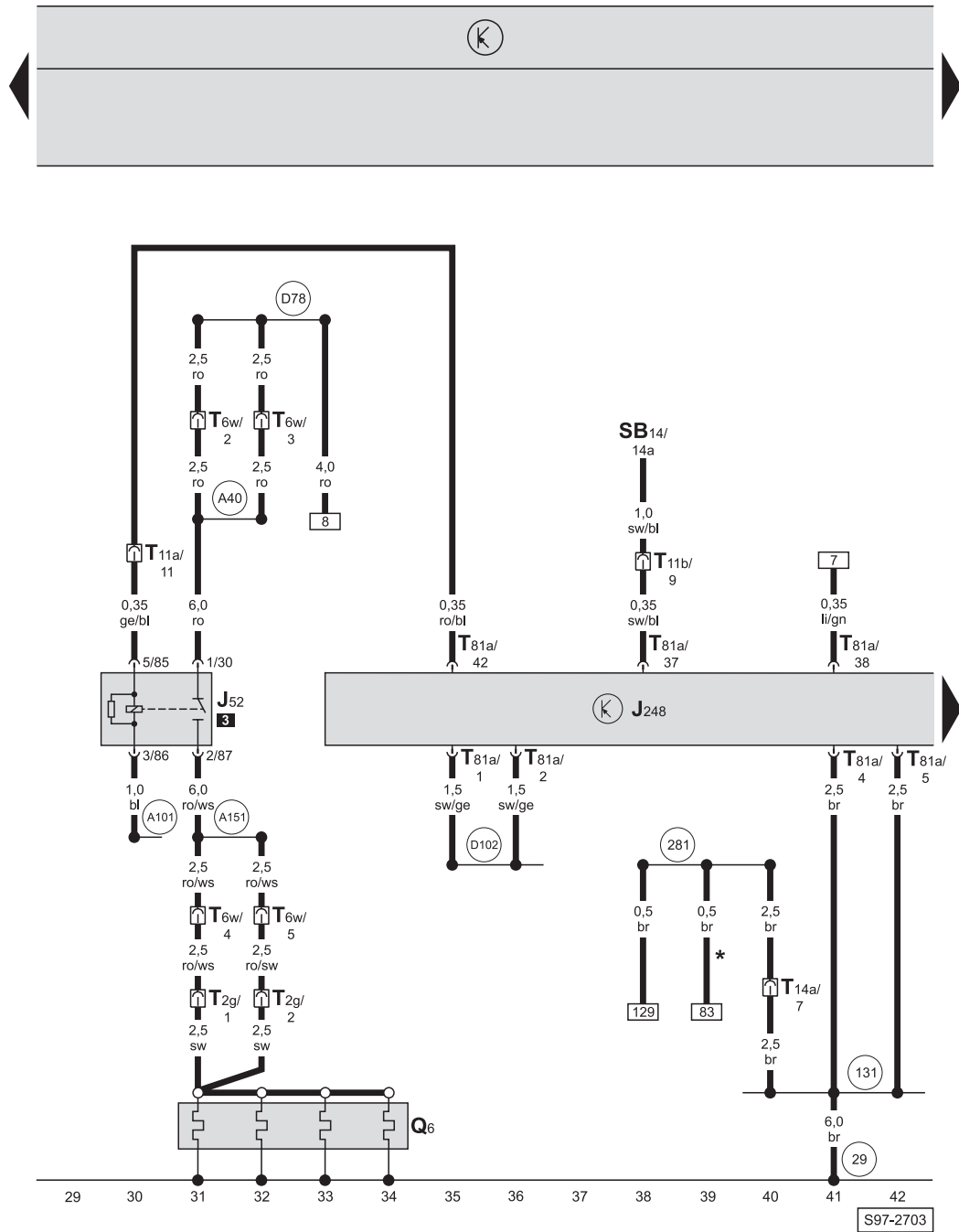
Radiator fan control unit, radiator fan thermostats, radiator fan



- F18 - Radiator fan thermostats
- J279 - Radiator fan relay, stage 1
- J293 - Radiator fan control unit
- J513 - Radiator fan relay, stage 2
- T3h - 3-pin connector, at radiator fan thermostats
- T3i - 3-pin connector, in bracket on left of radiator
- T3u - 3-pin connector, in bracket on left of radiator
- T4t - 4-pin connector, at radiator fan control unit
- T6v - 6-pin connector, at radiator fan control unit
- V7 - Radiator fan
- V35 - Radiator fan, right

- (12a) - Earth point -2-, in engine compartment, on left below battery (at side member)
- (108) - Earth connection, in front left wiring harness
- D167 - Connection (fan stage 1), in engine compartment wiring loom
- D168 - Connection (fan stage 2), in engine compartment wiring loom
- - Does not apply to models with air conditioning

Diesel direct injection system control unit, glow plug relay, glow plugs



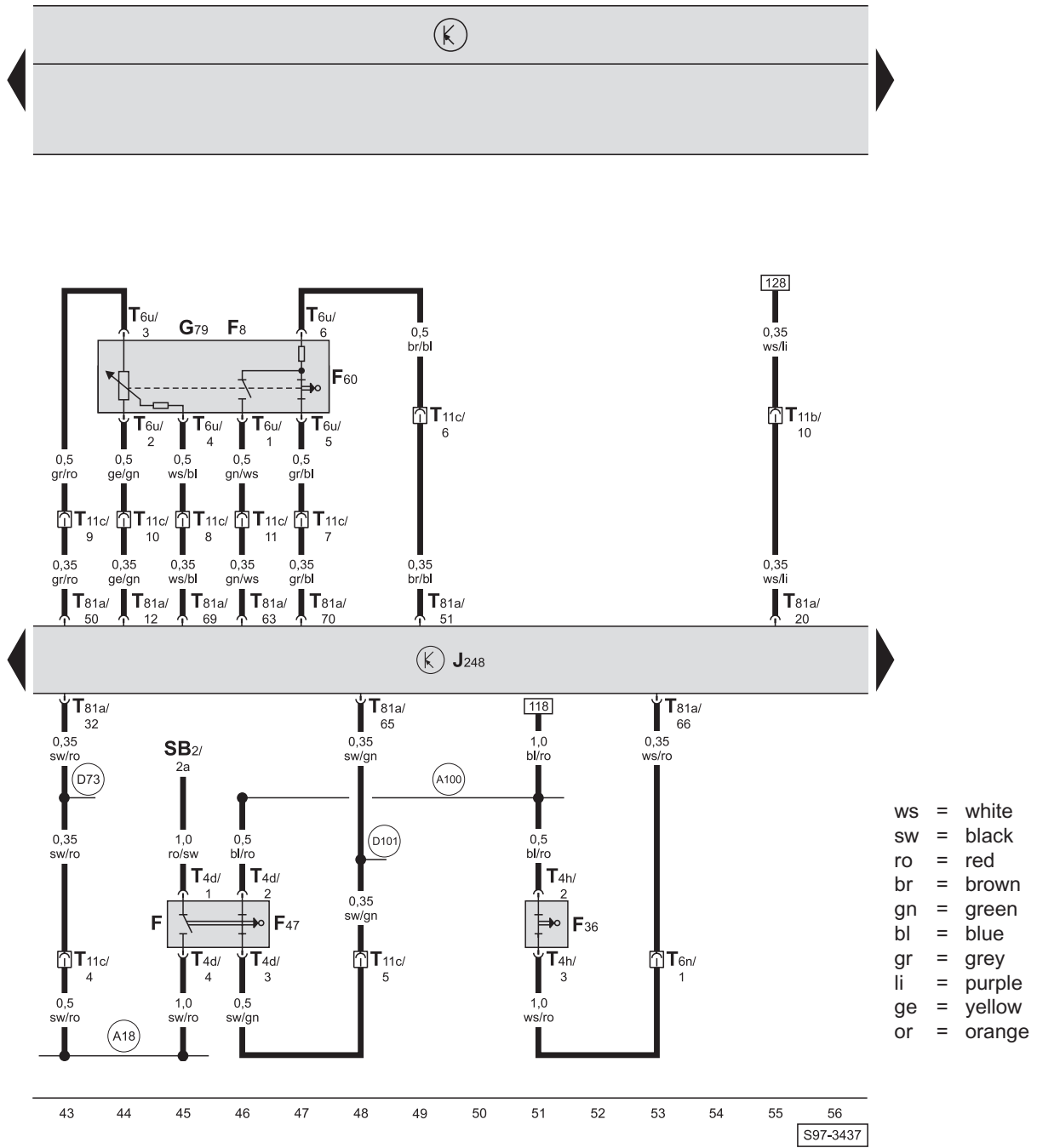
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit
- Q6 - Glow plugs
- SB14 - Fuse, in fuse holder
- T2g - 2-pin connector, in left of engine compartment (connection of engine assembly wiring loom/engine compartment wiring loom)
- T6w - 6-pin connector, at left of bulkhead (grey)
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- 281 - Earth connection -1-, in engine pre-assembly wiring loom
- A40 - Positive connection (30a), in wiring loom behind dash panel
- A101 - Connection (87), in wiring loom behind dash panel
- A151 - Connection (87), in wiring loom behind dash panel
- D78 - Positive connection -1- (30a), in engine compartment wiring loom
- D102 - Connection -2- (87a), in wiring loom in left of engine compartment

* - Applies only to models with optional equipment

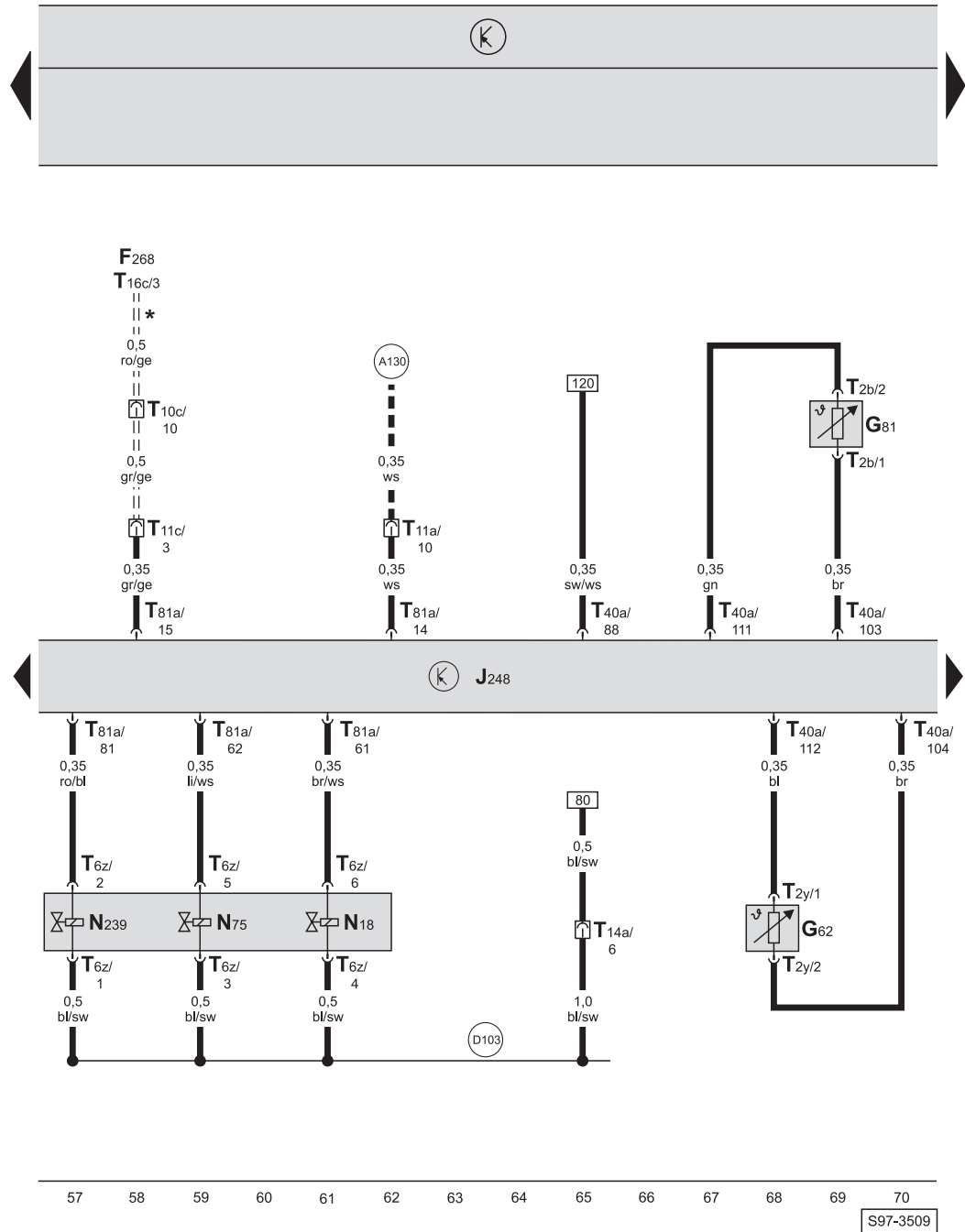
Diesel direct injection system control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- F - Brake light switch
- F8 - Kickdown switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- F60 - Idling speed switch
- G79 - Accelerator position sender
- J248 - Diesel direct injection system control unit
- SB2 - Fuse, in fuse holder
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11b - 11-pin connector, at left of bulkhead (red)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T81a - 81-pin connector, at engine control unit

- (A18) - Connection (54), in wiring loom behind dash panel
- (A100) - Connection (87a), in wiring loom behind dash panel
- (D73) - Connection (54), in left of engine compartment wiring loom
- (D101) - Connection (brake pedal switch), in engine compartment wiring loom

Diesel direct injection system control unit, coolant temperature sender, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, intake manifold flap changeover valve

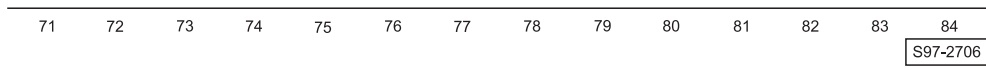
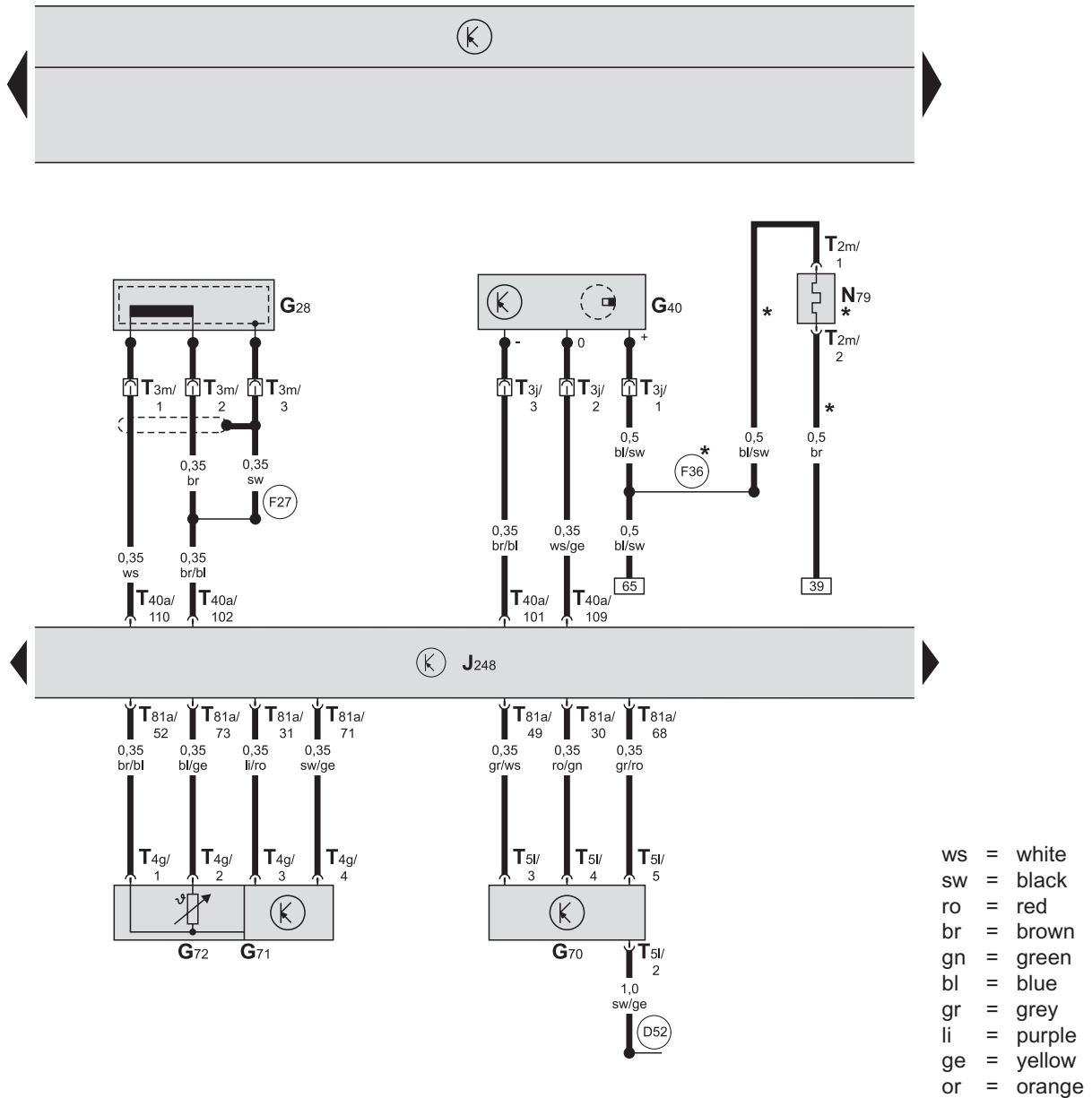


- F268 - Heater element contact switch (PTC)
- G62 - Coolant temperature sender
- G81 - Fuel temperature sender
- J248 - Diesel direct injection system control unit
- N18 - EGR valve
- N75 - Boost pressure control solenoid valve
- N239 - Intake manifold flap changeover valve
- T2b - Plug connection, 2-pin, at fuel temperature sender
- T2y - 2-pin connector, at coolant temperature sender
- T6z - Connector, 6-pin, at valve block
- T10c - 10-pin connector, behind dash panel on right
- T11a - 11-pin connector, at left of bulkhead (white)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T16c - 16-pin connector, at fresh air controls
- T40a - 40-pin connector, at engine control unit

- T81a - 81-pin connector, at engine control unit
- A130 - Connection (CCS), in wiring loom behind dash panel on left
- D103 - Connection -3- (87a), in engine compartment wiring loom

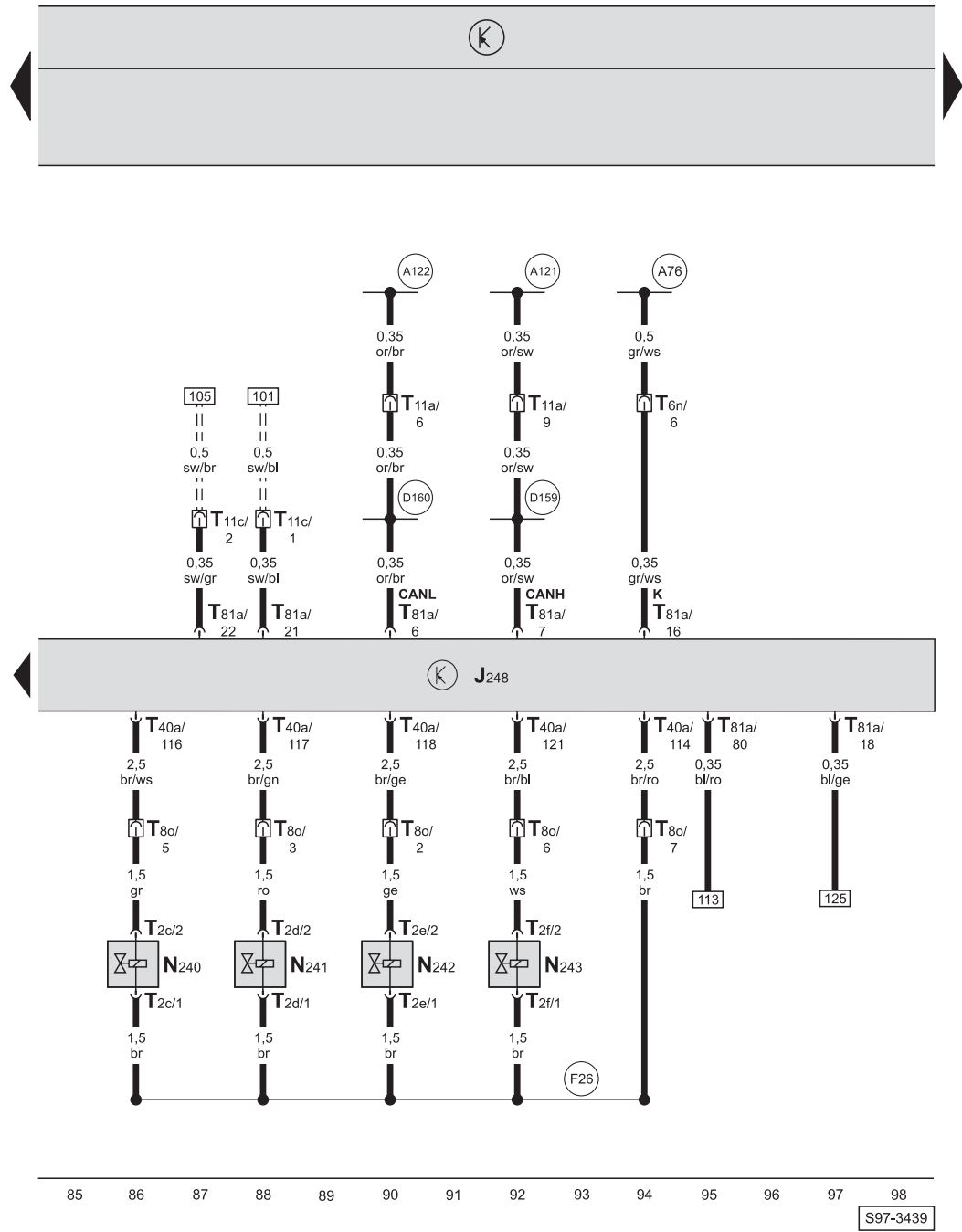
- * - does not apply to models with air conditioning
- - Applies only to models with CCS
- === - Applies only to models with heating element (PTC)

Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender



- G28 - Engine speed sender
- G40 - Camshaft position sender
- G70 - Air mass meter
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- N79 - Crankcase breather heater element
- J248 - Diesel direct injection system control unit
- T2m - 2-pin connector, at crankcase breather heater element
- T3j - 3-pin connector, at camshaft position sender
- T3m - 3-pin connector, at engine speed sender
- T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
- T5l - 5-pin connector, at air mass meter
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- (D52) - Positive connection (15a), in engine compartment wiring loom
- (F27) - Connection (screening), in engine pre-wiring wiring harness
- (F36) - Positive connection (87a), in engine assembly wiring loom
- * - Applies only to models with optional equipment

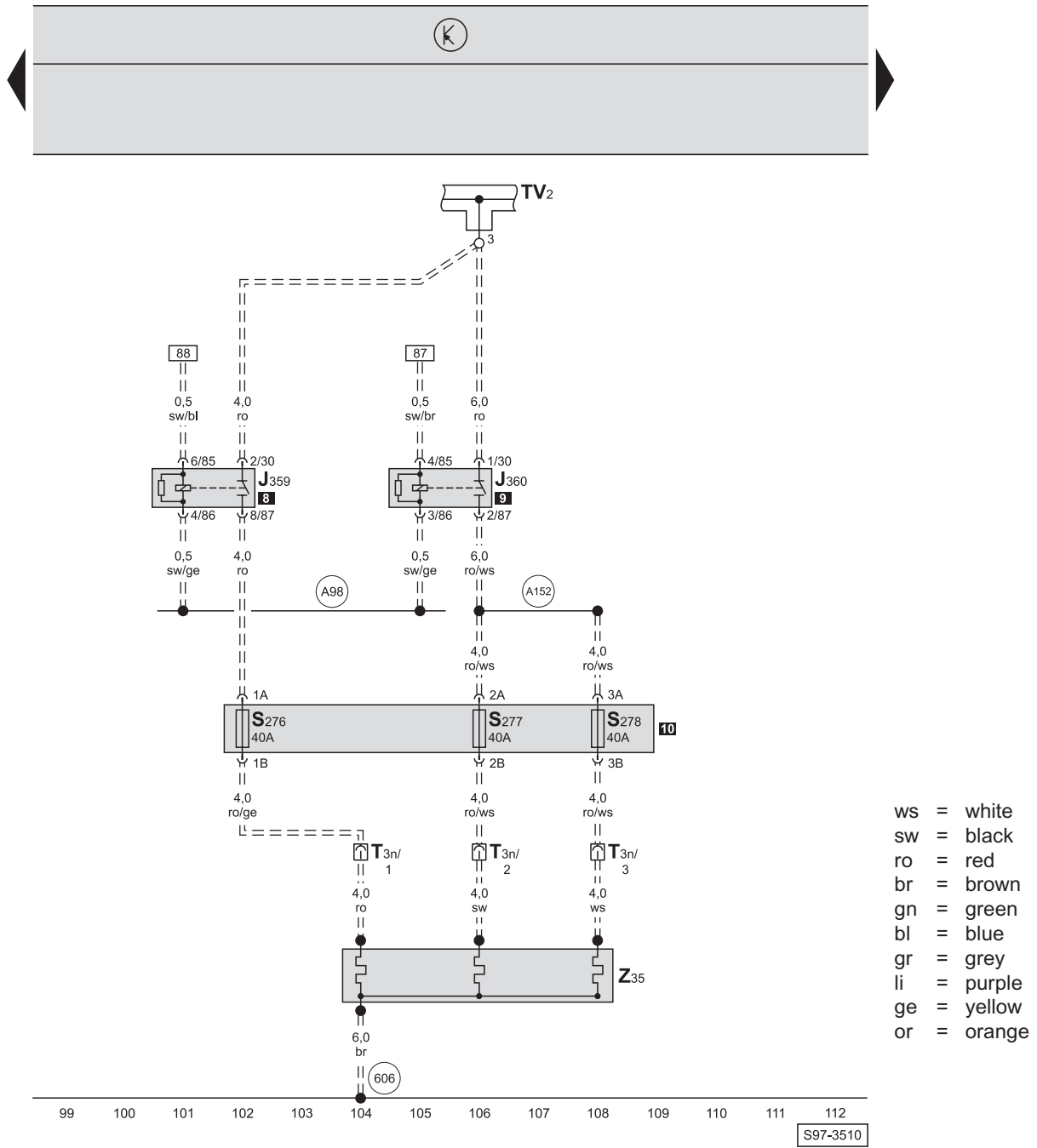
Diesel direct injection system control unit, unit injectors



- J248 - Diesel direct injection system control unit
- N240 - Unit injector, cylinder 1
- N241 - Unit injector, cylinder 2
- N242 - Unit injector, cylinder 3
- N243 - Unit injector, cylinder 4
- T2c - 2-pin connector at unit injector valves, No. 1 cyl
- T2d - Plug connection, 2-pin, at unit injector, cylinder 2
- T2e - Plug connection, 2-pin, at unit injector, cylinder 3
- T2f - Plug connection, 2-pin, at unit injector, cylinder 4
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8o - Plug connection, 8-pin, at cylinder head
- T11a - 11-pin connector, at left of bulkhead (white)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (A76) - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom
- (F26) - Connection (earth), in cylinder head wiring loom
- === - Applies only to models with heating element (PTC)

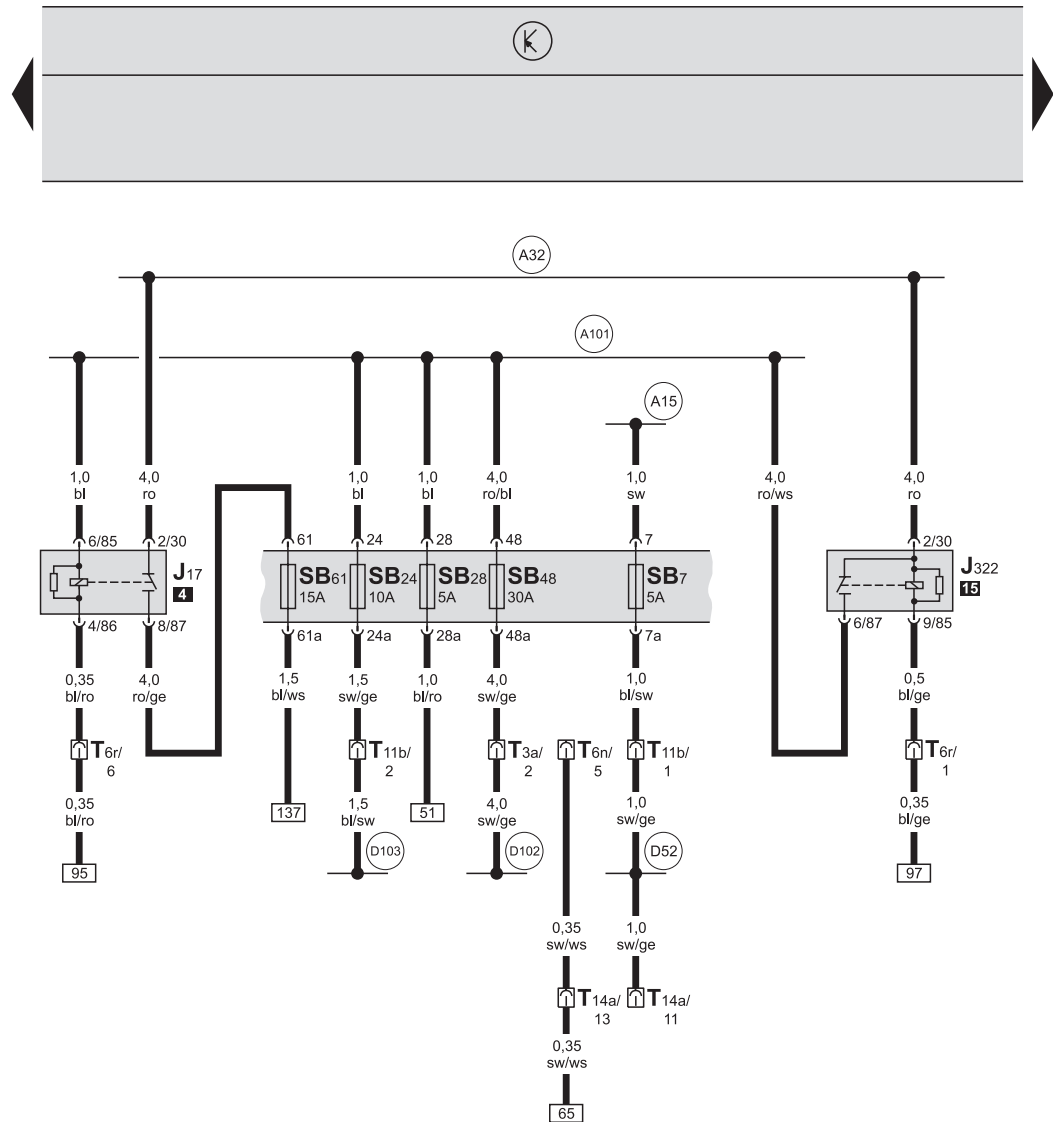
Low heating capacity relay, high heating capacity relay, heating element for additional heater (PTC), additional fuse holder



- J359 - Low heating capacity relay
- J360 - High heating capacity relay
- S276 - Fuse -1- for heater element
- S277 - Fuse -2- for heater element
- S278 - Fuse -3- for heater element
- T3n - 3-pin connector, behind dash panel (at PTC heating element)
- TV2 - Terminal 30 junction, behind dash panel on left
- Z35 - Additional heating heater element (PTC)

- (606) - Earth point, under the centre console, near gear stick
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A152) - Connection (87), in wiring harness behind dash panel
- === - Applies only to models with heating element (PTC)

Fuel pump relay, diesel direct injection system relay, fuse holder



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

113 114 115 116 117 118 119 120 121 122 123 124 125 126
S97-3511

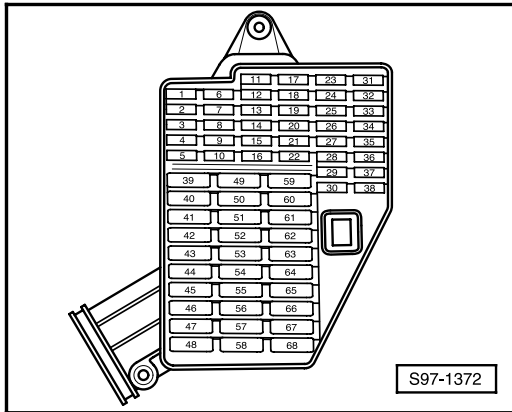
- J17 - Fuel pump relay
- J322 - Diesel direct injection system relay
- T3a - 3-pin connector, at left of bulkhead (grey)
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- A15 - Positive connection (15), in wiring loom behind dash panel
- A32 - Positive connection (30a), in wiring loom behind dash panel on left
- A101 - Connection (87), in wiring loom behind dash panel
- D52 - Positive connection (15a), in engine compartment wiring loom
- D102 - Connection -2- (87a), in wiring loom in left of engine compartment
- D103 - Connection -3- (87a), in engine compartment wiring loom

Central locking

Door warning lamps from November 2002

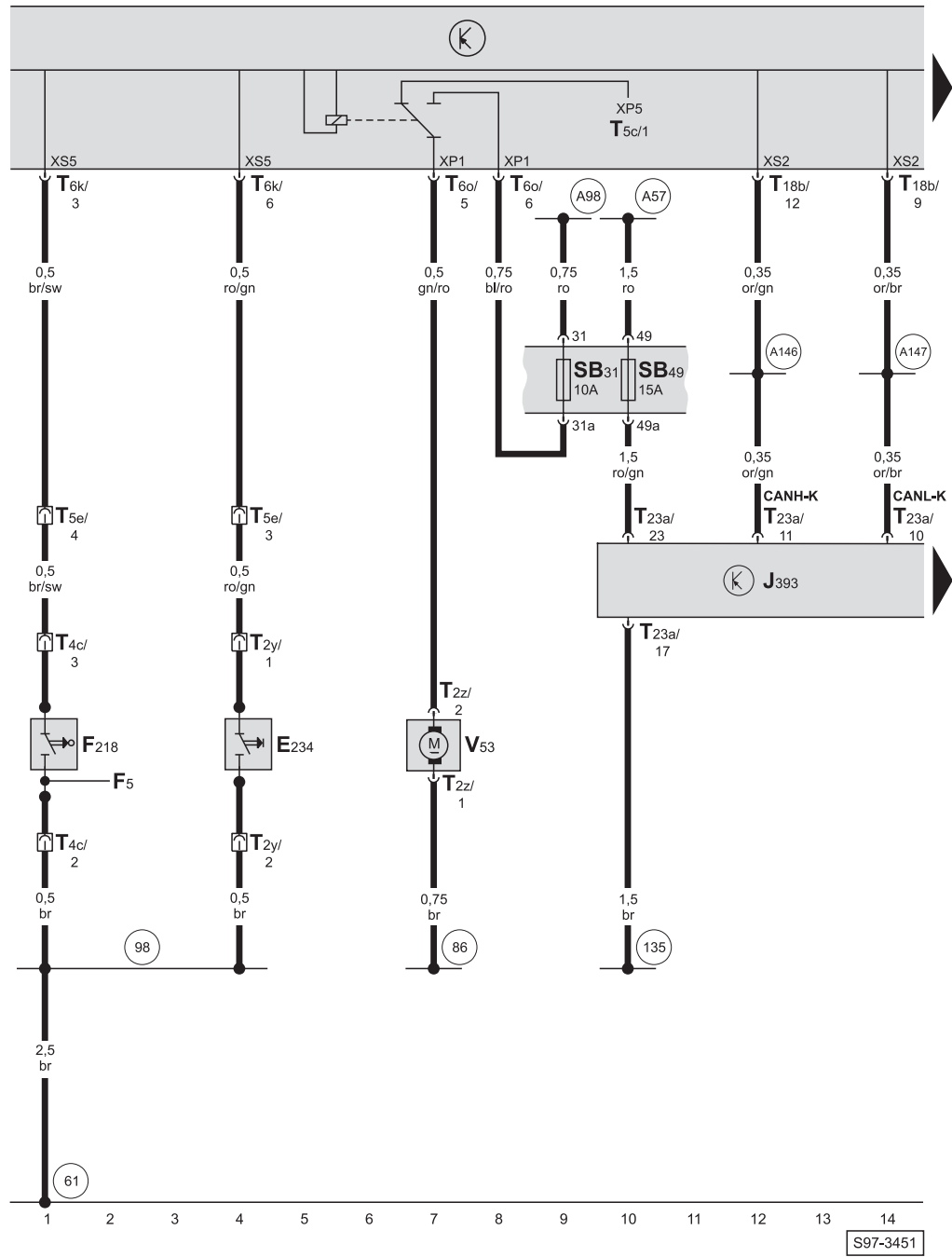
Fuse holder:



Fuse colours

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

Convenience electrics central control unit, tailgate handle release button, central locking switch, tailgate central locking motor, fuse holder

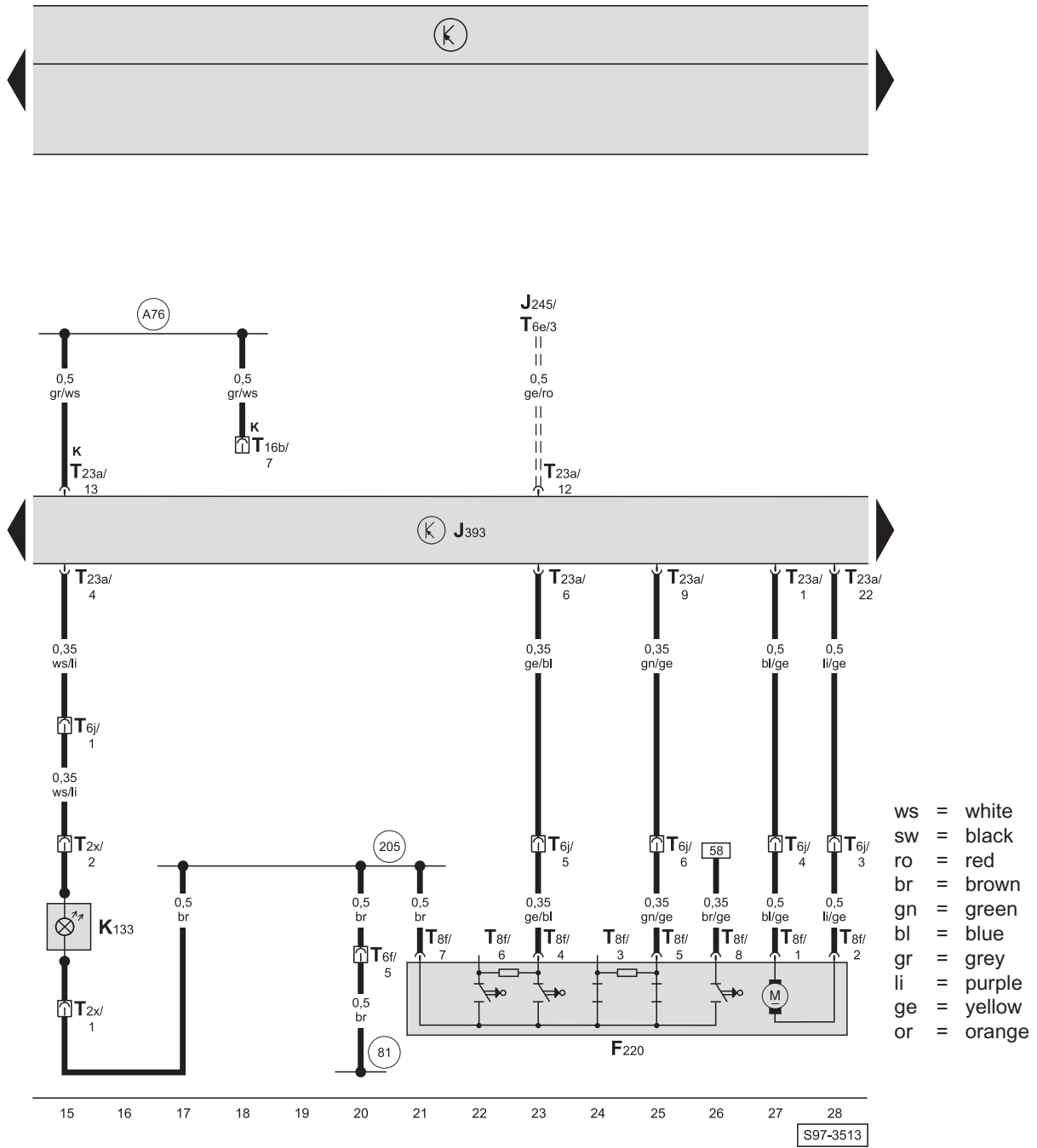


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- E234 - Tailgate handle release button
- F5 - Luggage compartment light switch
- S218 - Central locking switch, in tailgate lock
- J393 - Convenience electrics central control unit
- T2y - Connector, 2-pin, at tailgate handle release button
- T2z - 2-pin connector, at tailgate/boot lid central locking motor
- T4c - 4-pin connector, at boot/tailgate lock
- T5c - 5-pin connector, at electrical system control unit (brown)
- T5e - 5-pin connector, at left C pillar (black)
- T6k - 6-pin connector, at electrical system control unit (red)
- T6o - 6-pin connector, at electrical system control unit (black)
- T18b - 18-pin connector, at electrical system control unit (black)

- T23a - 23-pin connector, at convenience electrics central control unit
- V53 - Tailgate/boot lid central locking motor
- 61 - Earth point, C-pillar left
- 86 - Earth connection -1-, in rear interior wiring loom
- 98 - Earth connection, in engine compartment wiring harness
- 135 - Earth connection, in wiring harness behind dash panel
- A57 - Positive connection (30a), in wiring loom behind dash panel
- A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- A146 - Connection (CAN-H, convenience), in wiring loom behind dash panel
- A147 - Connection (CAN-L, convenience), in wiring loom behind dash panel

Convenience system central control unit, Driver side central locking lock unit, Central locking warning lamp

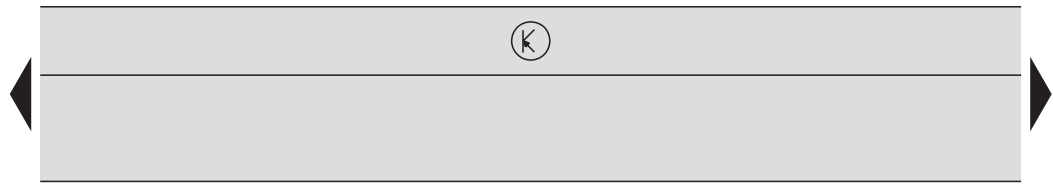


- F220 - Central locking lock unit, driver side (switch position - released, door closed)
- J245 - Sliding roof adjustment control unit
- J393 - Convenience electrics central control unit
- K133 - Central locking warning lamp
- T2x - 2-pin connector, at central locking warning lamp
- T6e - 6-pin connector, at sliding roof adjustment control unit
- T6f - 6-pin connector, at left A pillar (brown)
- T6j - Connector, 6-pin, at left A pillar (white)
- T8f - 8-pin connector, at central locking locking unit, driver side
- T16b - 16-pin connector, in glove box on driver's side (diagnosis connection)
- T23a - 23-pin connector, at convenience electrics central control unit

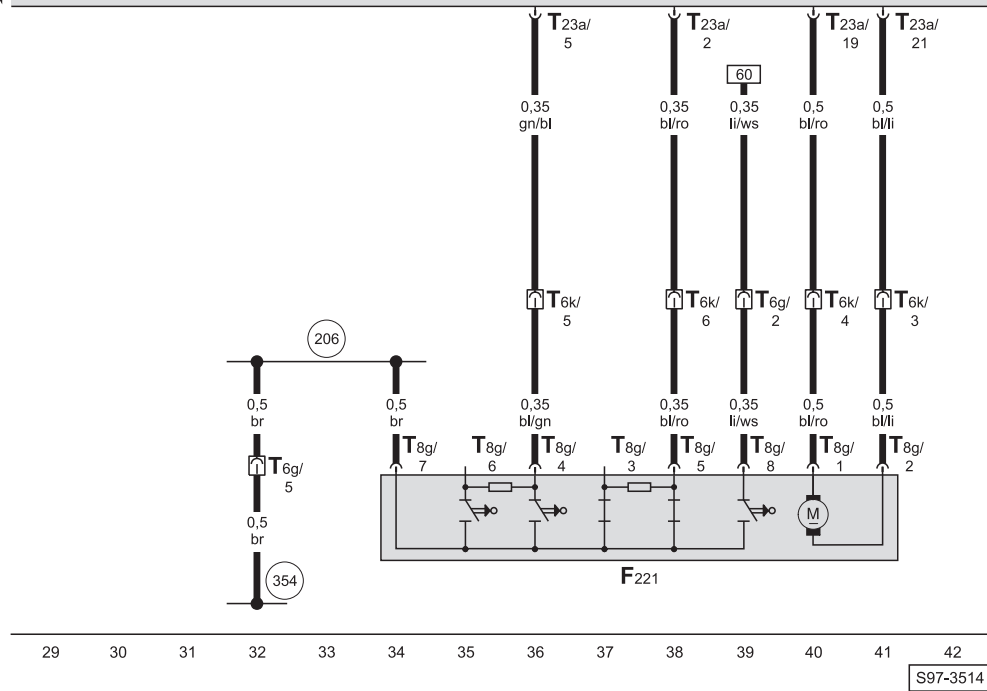
- (81) - Earth connection, in wiring harness behind dash panel
- (205) - Earth connection, in wiring harness of door assembly wiring driver side
- (A76) - Connection (K diagnosis wire), in wiring loom behind dash panel on left

== = - Applies only to models with electric sliding roof

Convenience system central control unit, Front passenger side central locking lock unit



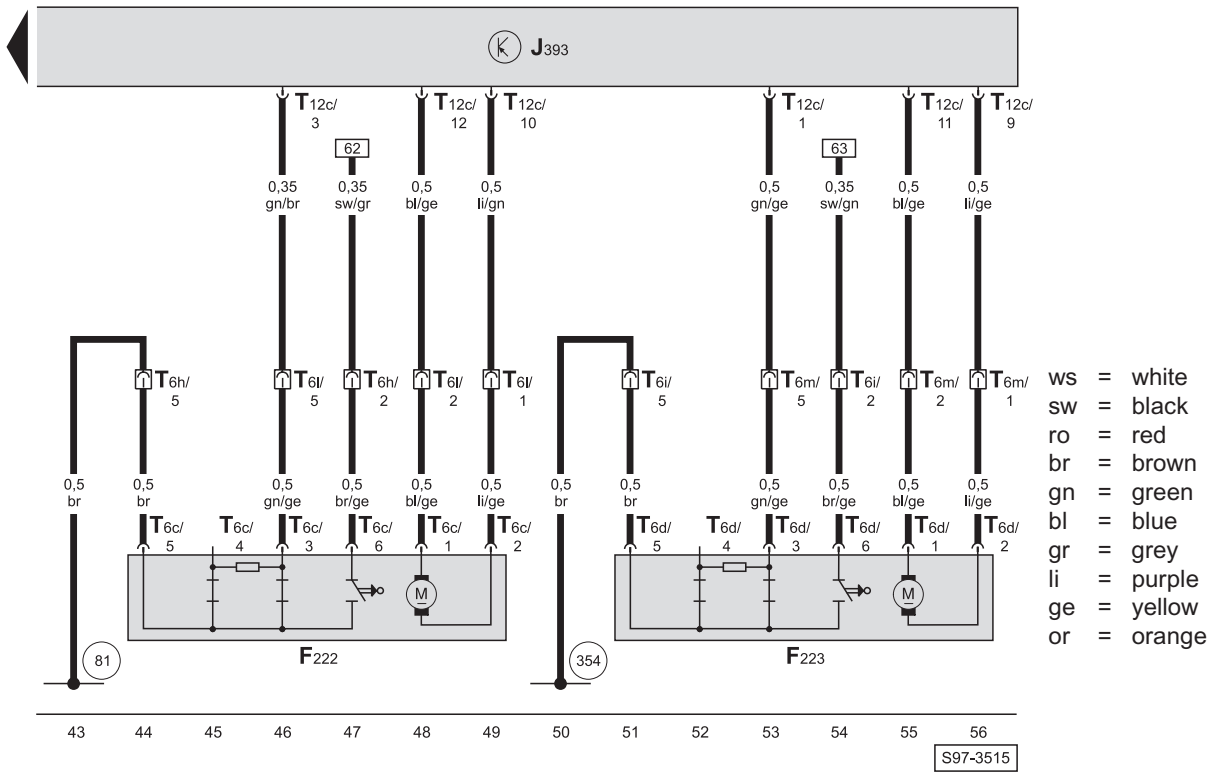
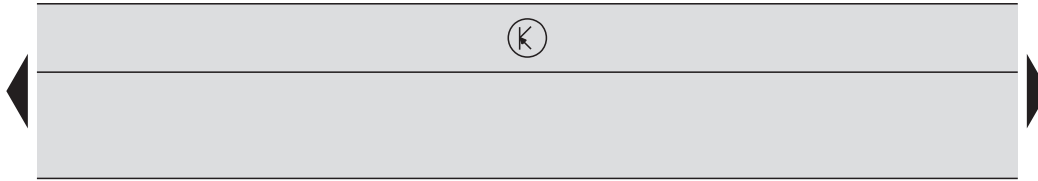
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange



- F221 - Central locking lock unit, front passenger side (switch position - released, door closed)
- J393 - Convenience electrics central control unit
- T6g - 6-pin connector, at right A pillar (brown)
- T6k - Connector, 6-pin, at right A pillar (white)
- T8g - 8-pin connector, at central locking locking unit, passenger side
- T23a - 23-pin connector, at convenience electrics central control unit

- 206 - Earth connection, in door wiring loom - passenger side
- 354 - Earth connection, in wiring harness behind dash panel

Convenience electrics central control unit, central locking locking unit - rear left, central locking locking unit - rear right



F222 - Central locking lock unit, rear left (switch position - released, door closed)

F223 - Central locking lock unit, rear right (switch position - released, door closed)

J393 - Convenience electrics central control unit

T6c - 6-pin connector, at rear left central locking locking unit

T6d - 6-pin connector, at rear right central locking locking unit

T6h - 6-pin connector, at left B pillar (brown)

T6i - 6-pin connector, at right B pillar (brown)

T6l - 6-pin connector, at left B pillar (blue)

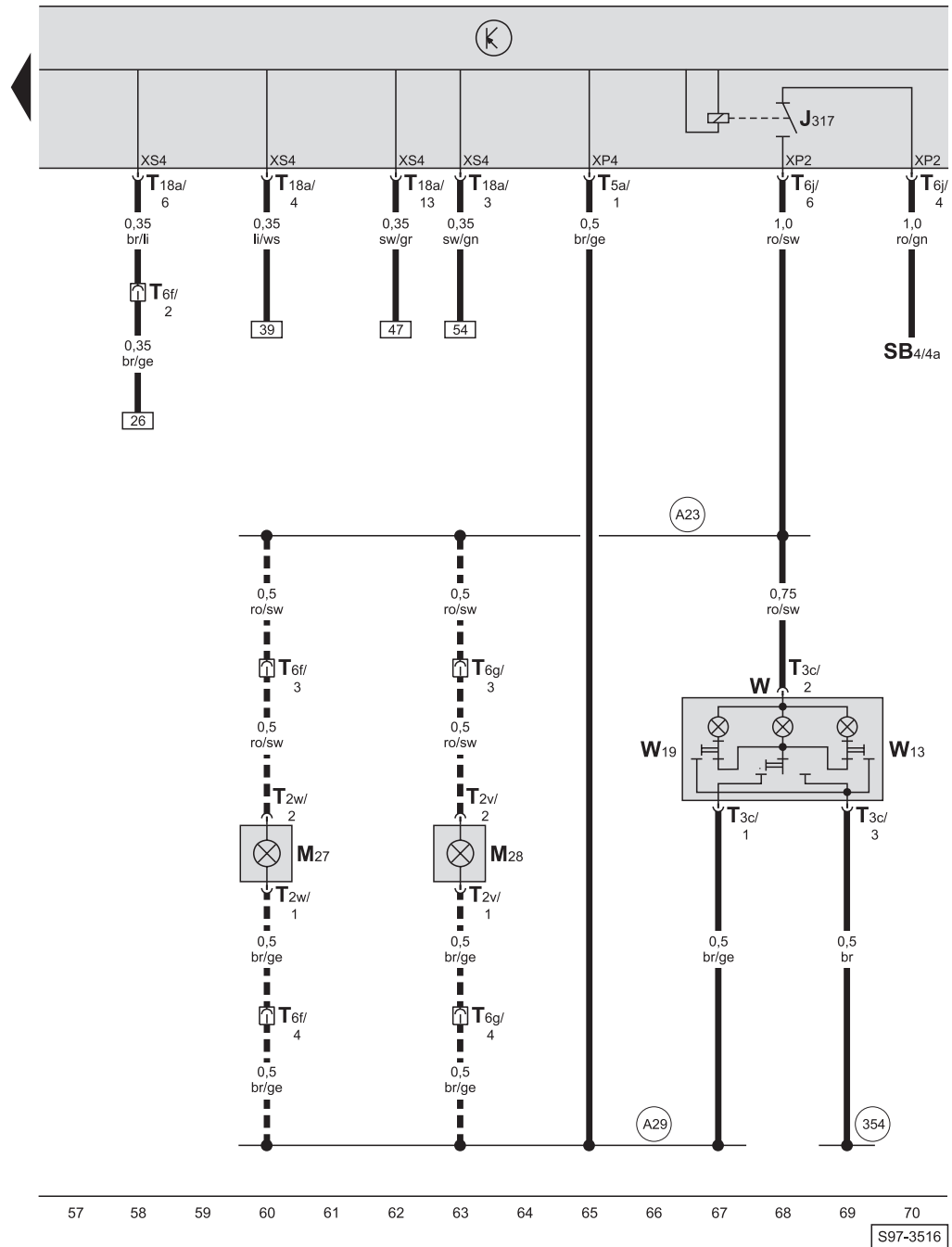
T6m - 6-pin connector, at right B pillar (blue)

T12c - Connector, 12-pin, at convenience electrics central control unit (black)

81 - Earth connection, in wiring harness behind dash panel

354 - Earth connection, in wiring harness behind dash panel

Front interior light, Left door warning light, Right door warning light

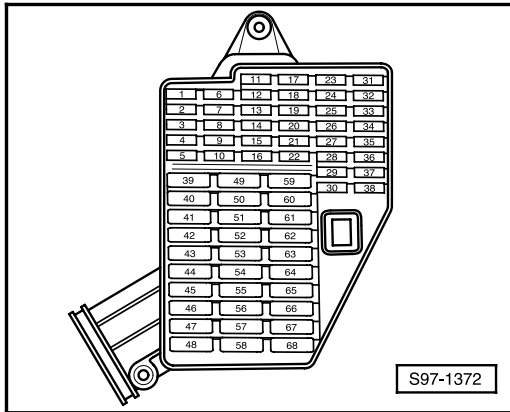


- J317 - Terminal 30 voltage supply relay
- M27 - Left door warning light
- M28 - Right door warning light
- SB4 - Fuse, in fuse holder
- T2v - Connector, 2-pin, at right door warning light
- T2w - Connector, 2-pin, at left door warning light
- T3c - 3-pin connector, at front interior light bulb
- T5a - 5-pin connector, at electrical system control unit (black)
- T6f - 6-pin connector, at left A pillar (brown)
- T6g - 6-pin connector, at right A pillar (brown)
- T6j - 6-pin connector, at electrical system control unit (brown)
- T18a - 18-pin connector, at electrical system control unit (brown)
- W - Interior light, front
- W13 - Front passenger's reading light
- W19 - Driver-side reading light

- (354) - Earth connection, in wiring harness behind dash panel
- (A23) - Positive connection (30a1), in wiring loom behind dash panel
- (A29) - Connection (interior light 31), in wiring loom behind dash panel
- - Applies only to models with door warning lights

Fog light, from November 2002

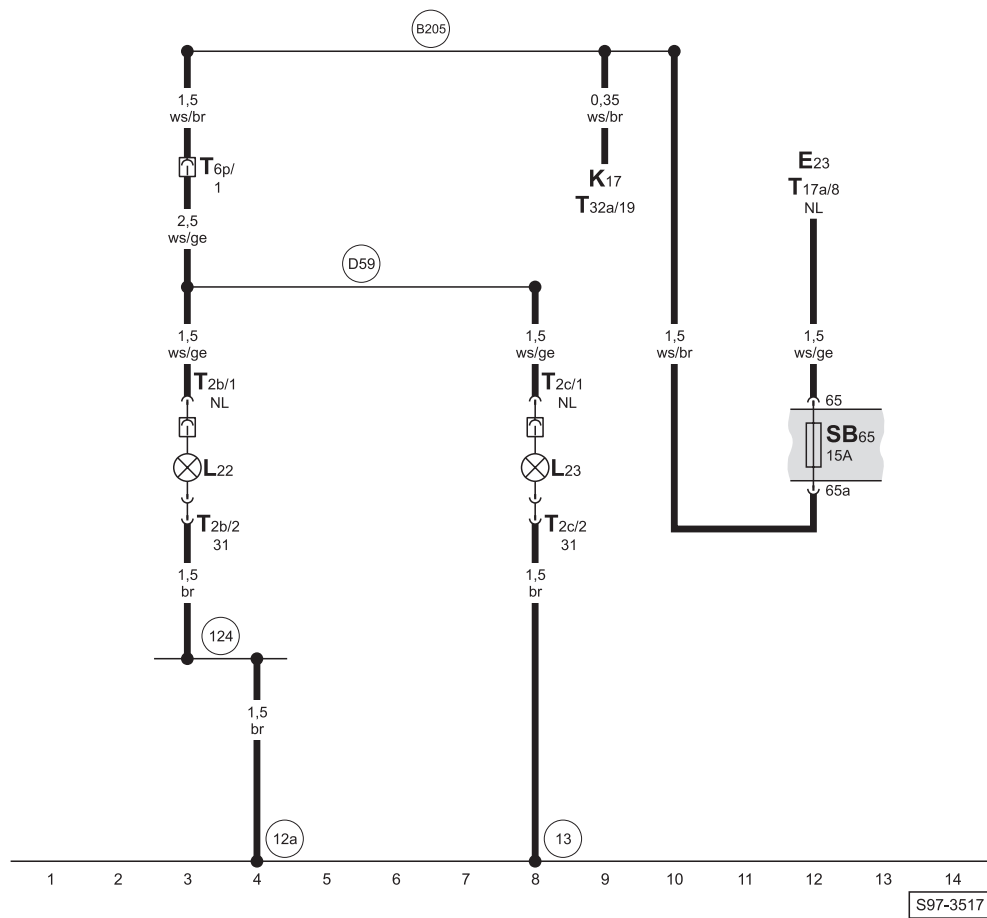
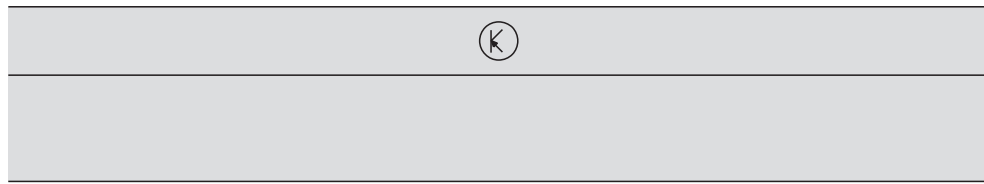
Fuse holder:



Fuse colours

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

Fog lights



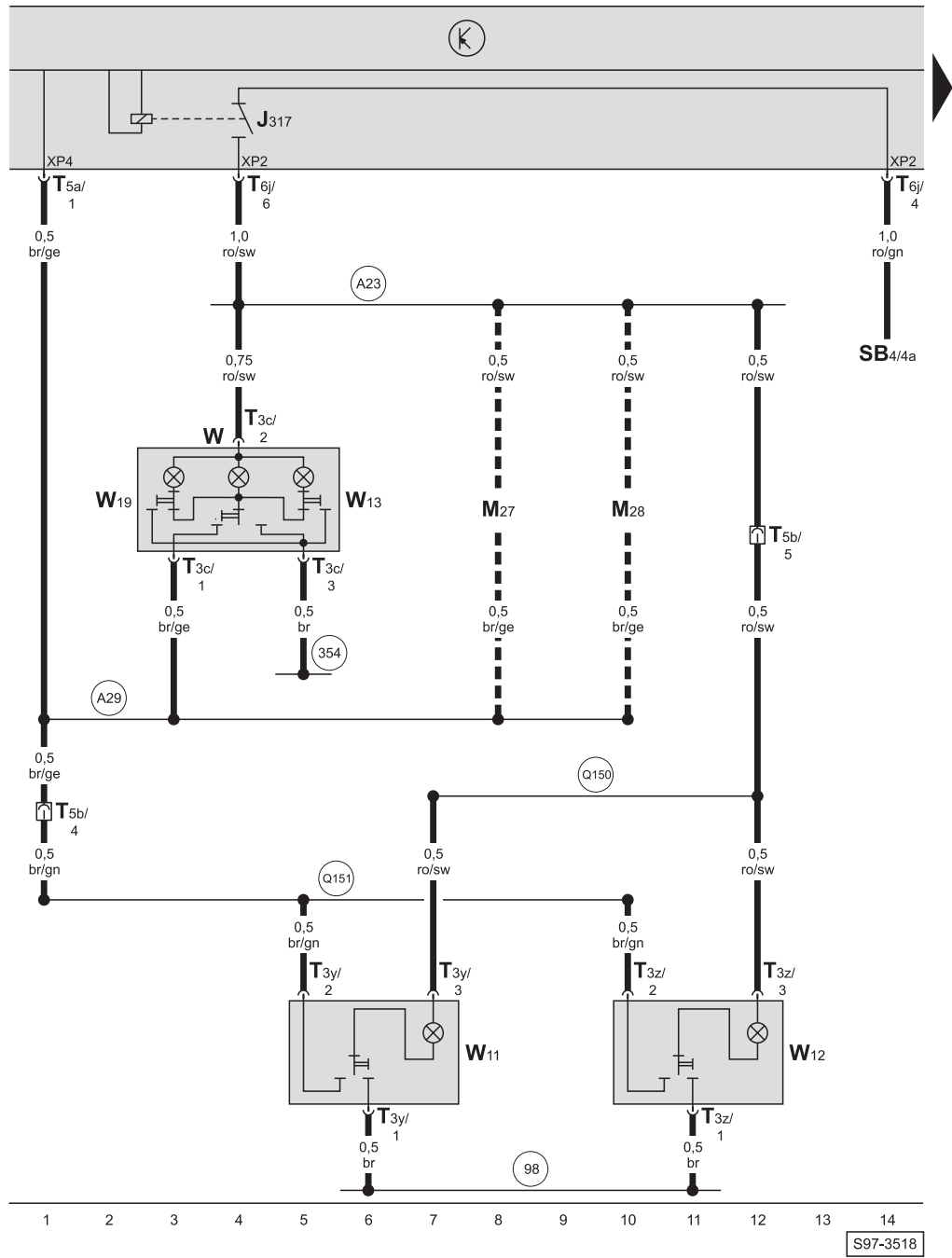
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- E23 - Front and rear fog light switch
- K17 - Fog light warning lamp
- L22 - Front left fog light bulb
- L23 - Front right fog light bulb
- T2b - 2-pin connector, at left fog light
- T2c - 2-pin connector, at right fog light
- T6p - 6-pin connector, at left of bulkhead (red)
- T17a - 17-pin connector, at light switch
- T32a - 32-pin connector, at dash panel insert

- 12a - Earth point -2-, in engine compartment, on left below battery (at side member)
- 13 - Earth point, in front right of engine compartment
- 124 - Earth connection, in engine compartment wiring harness
- B205 - Connection (fog lights), in wiring loom behind dash panel
- D59 - Connection (fog lights), in engine compartment wiring loom

Rear reading lights, from November 2002

Rear reading lights (does not apply to Notchback models)



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

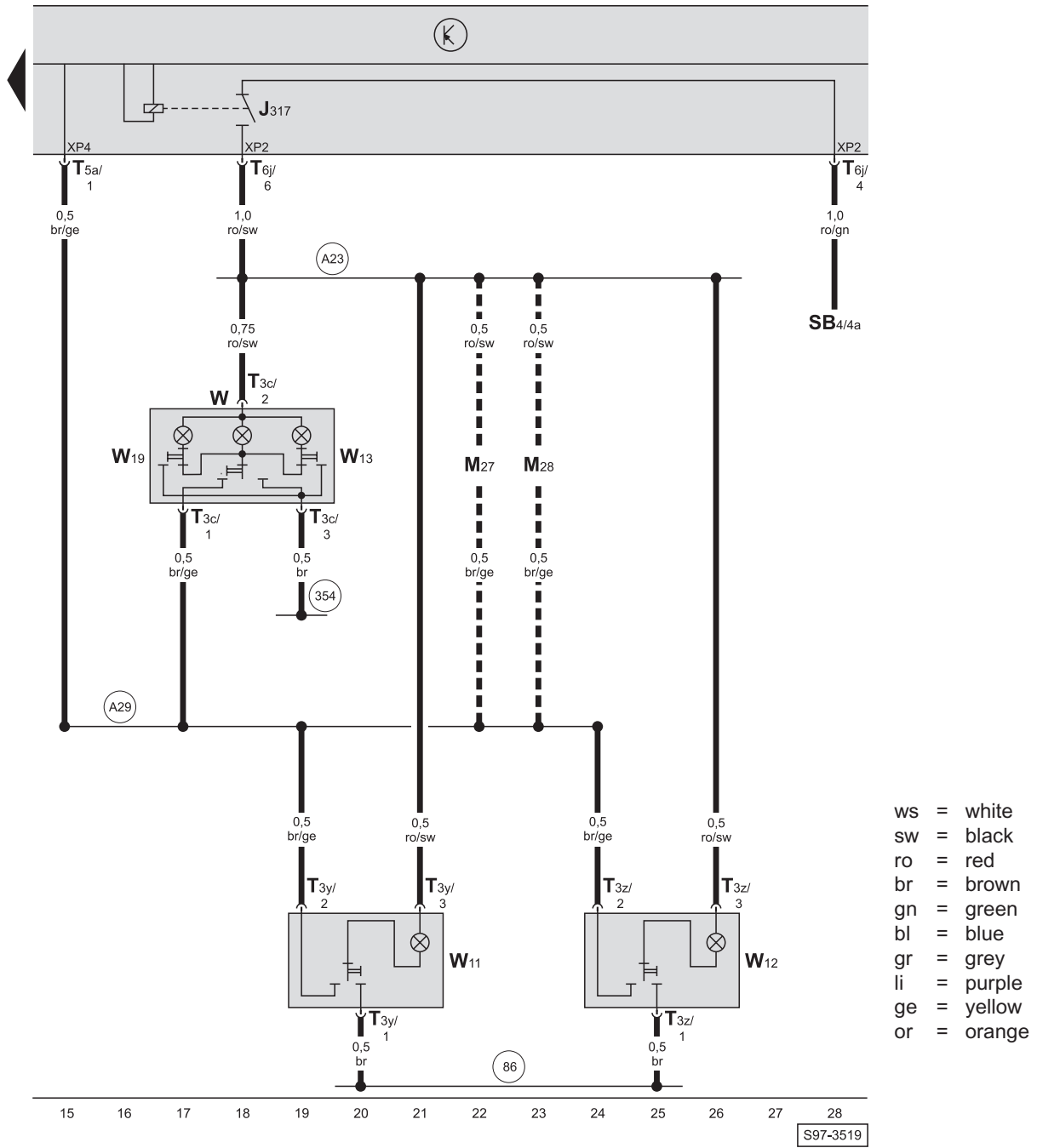
- J317 - Terminal 30 voltage supply relay
- M27 - Left door warning light
- M28 - Right door warning light
- SB4 - Fuse, in fuse holder
- T3c - 3-pin connector, at front interior light bulb
- T3y - Plug connection, 3-pin, at left rear reading light
- T3z - Plug connection, 3-pin, at right rear reading light
- T5a - 5-pin connector, at electrical system control unit (black)
- T5b - 5-pin connector, at left C pillar (brown)
- T6j - 6-pin connector, at electrical system control unit (brown)
- W - Interior light, front
- W11 - Reading light, rear left
- W12 - Reading light, rear right
- W13 - Front passenger's reading light
- W19 - Driver-side reading light

- 98 - Earth connection, in engine compartment wiring harness
- 354 - Earth connection, in wiring harness behind dash panel
- A23 - Positive connection (30a), in wiring loom behind dash panel
- A29 - Connection (interior light 31), in wiring loom behind dash panel
- Q150 - Connection (30a), in boot lid/tailgate wiring loom
- Q151 - Connection (interior light 31), in boot lid/tailgate wiring loom

■■■ - Applies only to models with door warning lights

S97-3518

Rear reading lights (applies only to Notchback models)

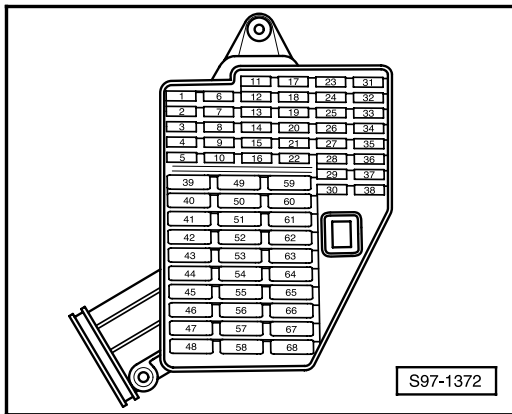


- J317 - Terminal 30 voltage supply relay
- M27 - Left door warning light
- M28 - Right door warning light
- SB4 - Fuse, in fuse holder
- T3c - 3-pin connector, at front interior light bulb
- T3y - Plug connection, 3-pin, at left rear reading light
- T3z - Plug connection, 3-pin, at right rear reading light
- T5a - 5-pin connector, at electrical system control unit (black)
- T6j - 6-pin connector, at electrical system control unit (brown)
- W - Interior light, front
- W11 - Reading light, rear left
- W12 - Reading light, rear right
- W13 - Front passenger's reading light
- W19 - Driver-side reading light

- 86 - Earth connection -1-, in rear interior wiring loom
- 354 - Earth connection, in wiring harness behind dash panel
- A23 - Positive connection (30a1), in wiring loom behind dash panel
- A29 - Connection (interior light 31), in wiring loom behind dash panel
- - Applies only to models with door warning lights

1.2 I - Simos 3 PE/47 kW, engine code AZQ, from February 2003

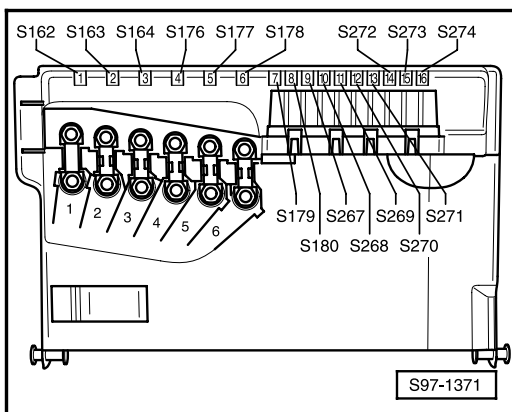
Fuse holder:



Fuse colours

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

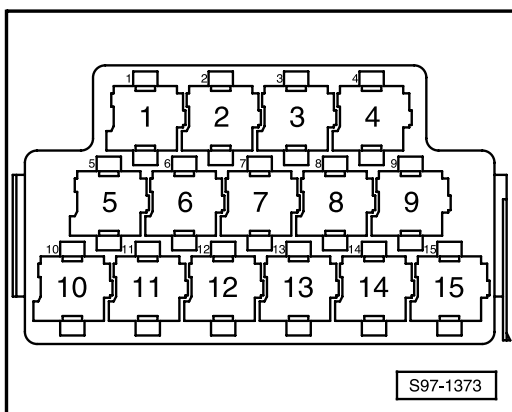
Fuse holder on battery:



Fuse colours

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

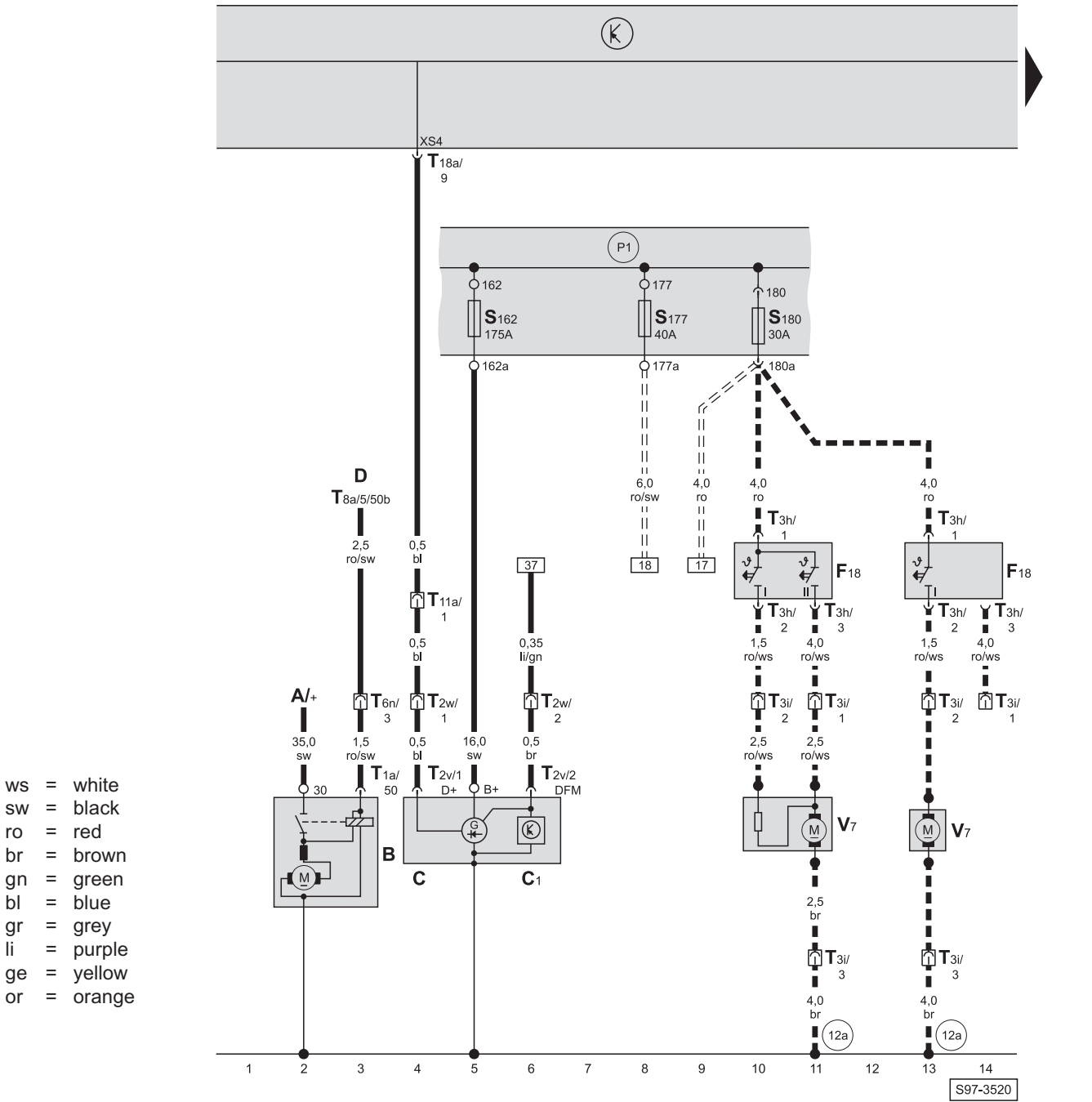
Relay holder:



Relay position assignment

- 4** - Fuel pump relay
- 9** - Fuel feed relay
- 12** - Simos power supply relay

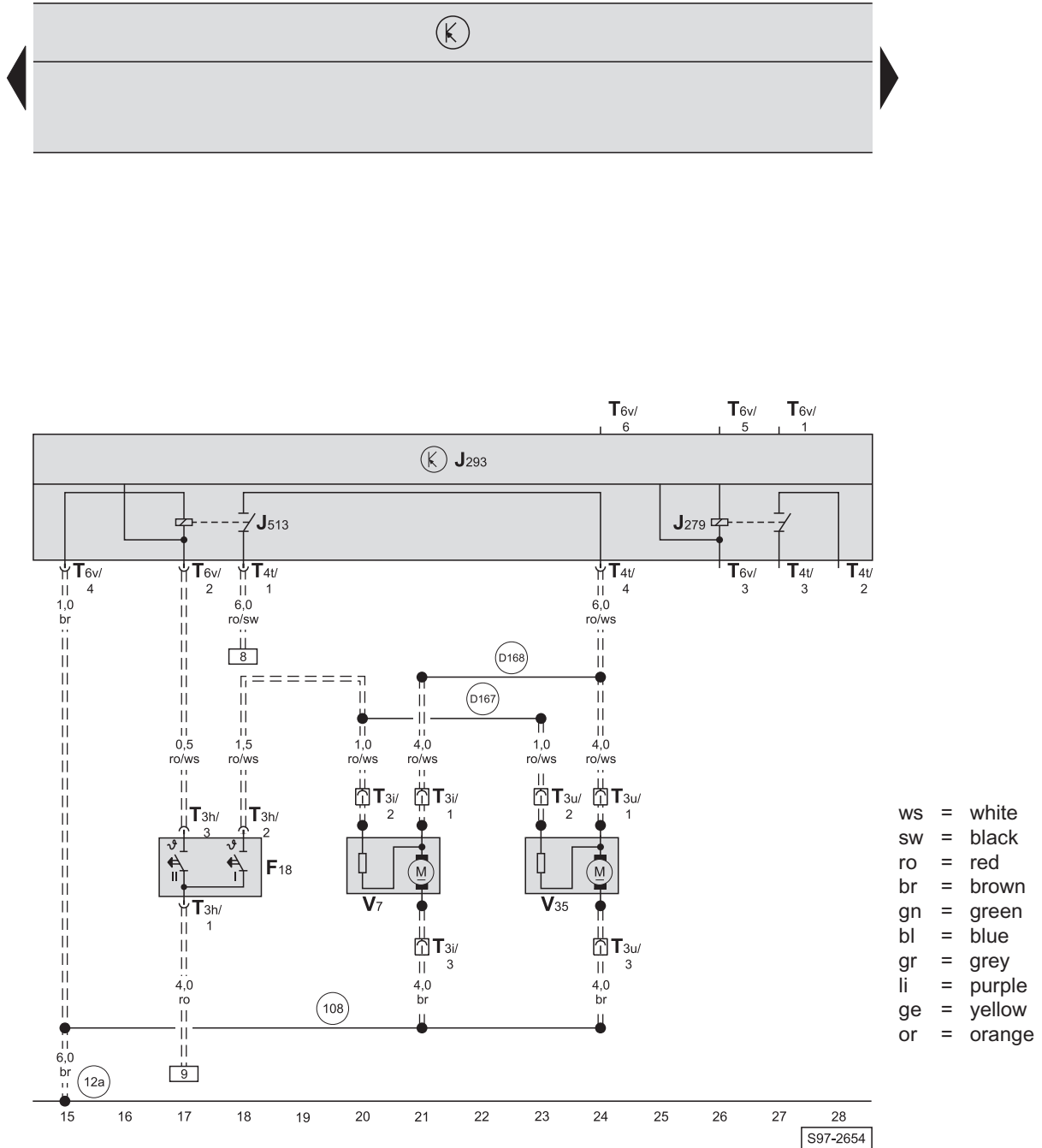
Starter, alternator, fuse holder on battery, radiator fan (models not fitted with trailer coupling)



- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermostats
- S162 - Fuse -1- (30), in fuse holder on battery
- S177 - Fuse -5- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T3h - 3-pin connector, at radiator fan thermostats
- T3i - 3-pin connector, in bracket on left of radiator
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)
- V7 - Radiator fan

- 12a - Earth point -2-, in engine compartment, on left below battery (at side member)
- P1 - Positive connection (30), in fuse holder on battery
- ■ ■ - Thermostats and radiator fan dependent on optional equipment (does not apply to models fitted with air conditioning or fitted with trailer coupling)
- === - does not apply to models fitted with air conditioning or not fitted with trailer coupling

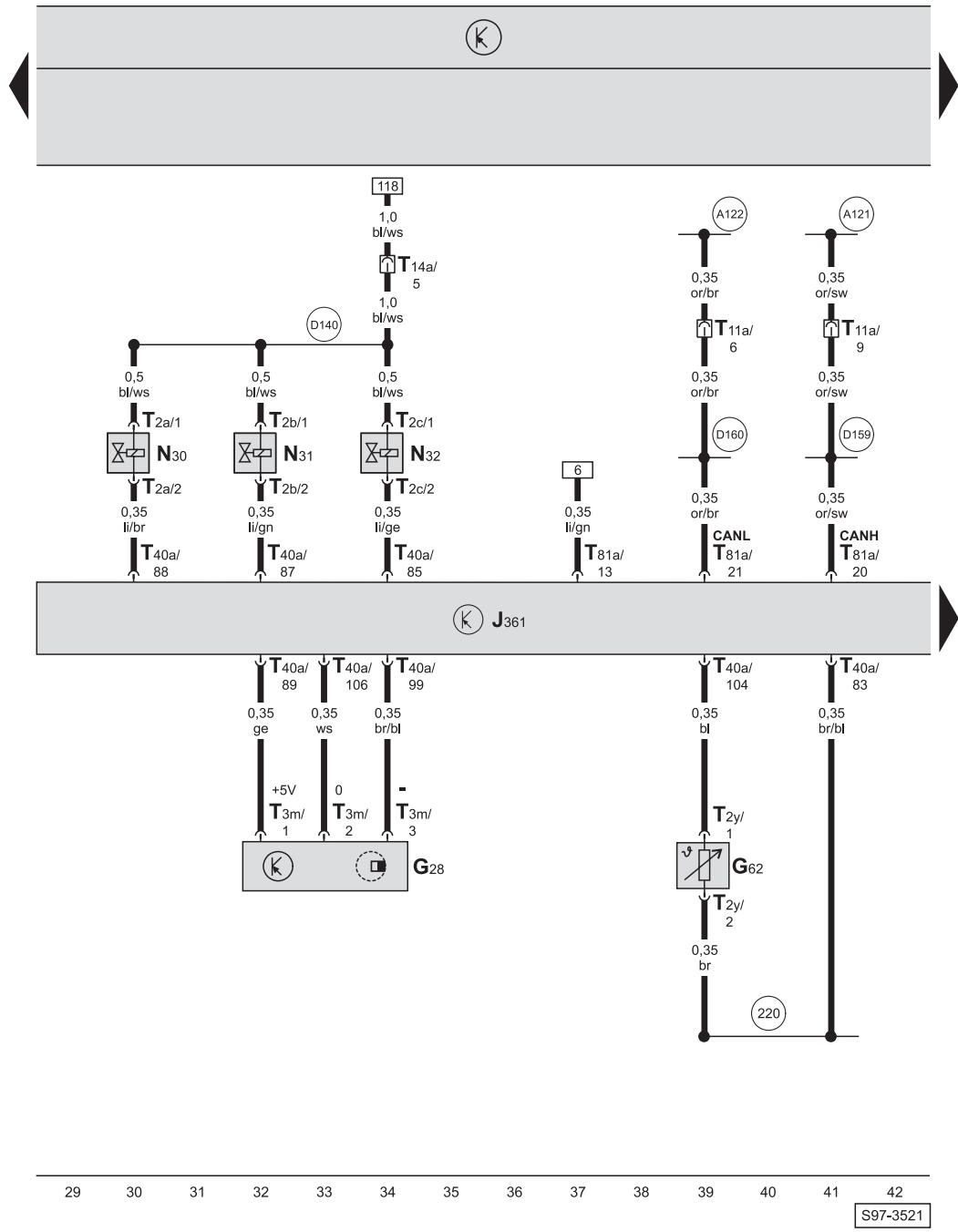
Radiator fan control unit, radiator fan thermostats, radiator fan (models fitted with trailer coupling)



- F18 - Radiator fan thermostat
- J279 - Radiator fan relay, stage 1
- J293 - Radiator fan control unit
- J513 - Radiator fan relay, stage 2
- T3h - 3-pin connector, at radiator fan thermostat
- T3i - 3-pin connector, in bracket on left of radiator
- T3u - 3-pin connector, in bracket on left of radiator
- T4t - 4-pin connector, at radiator fan control unit
- T6v - 6-pin connector, at radiator fan control unit
- V7 - Radiator fan
- V35 - Radiator fan, right

- 12a - Earth point -2-, in engine compartment, on left below battery (at side member)
- 108 - Earth connection, in front left wiring harness
- D167 - Connection (fan stage 1), in engine compartment wiring loom
- D168 - Connection (fan stage 2), in engine compartment wiring loom
- === - does not apply to models fitted with air conditioning or not fitted with trailer coupling

Simos control unit, injectors, engine speed sender, coolant temperature sender



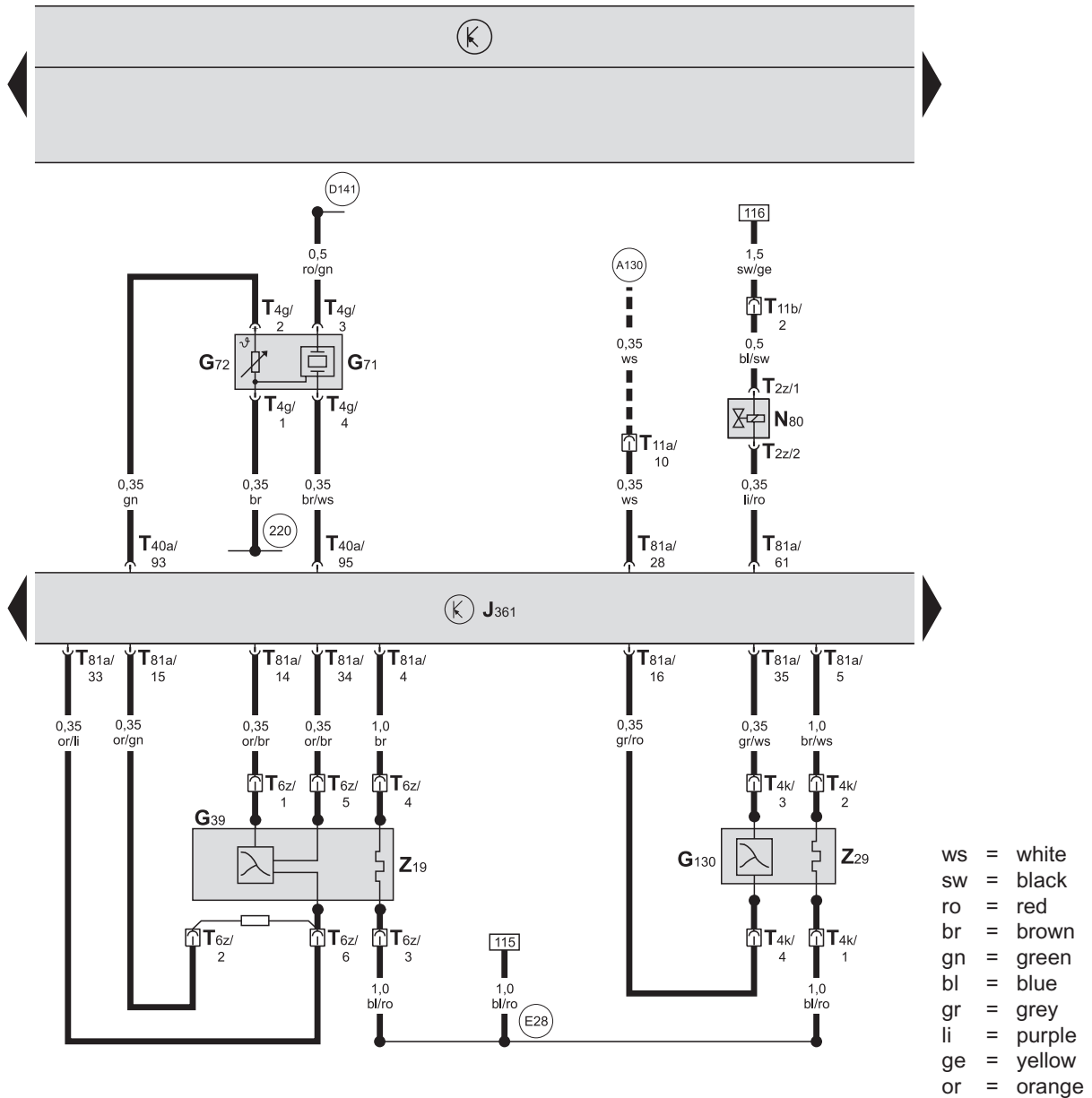
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- G28 - Engine speed sender
- G62 - Coolant temperature sender
- J361 - Simos control unit
- N30 - Injector cylinder 1
- N31 - Injector cylinder 2
- N32 - Injector cylinder 3
- T2a - 2-pin connector, at injector cylinder 1
- T2b - 2-pin connector, at injector cylinder 2
- T2c - 2-pin connector, at injector cylinder 3
- T2y - 2-pin connector, at coolant temperature sender
- T3m - 3-pin connector, at engine speed sender
- T11a - 11-pin connector, at left of bulkhead (white)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (220) - Earth connection (sender earth), in engine pre-wiring harness
- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (D140) - Connection (injectors), in engine assembly wiring loom
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom

S97-3521

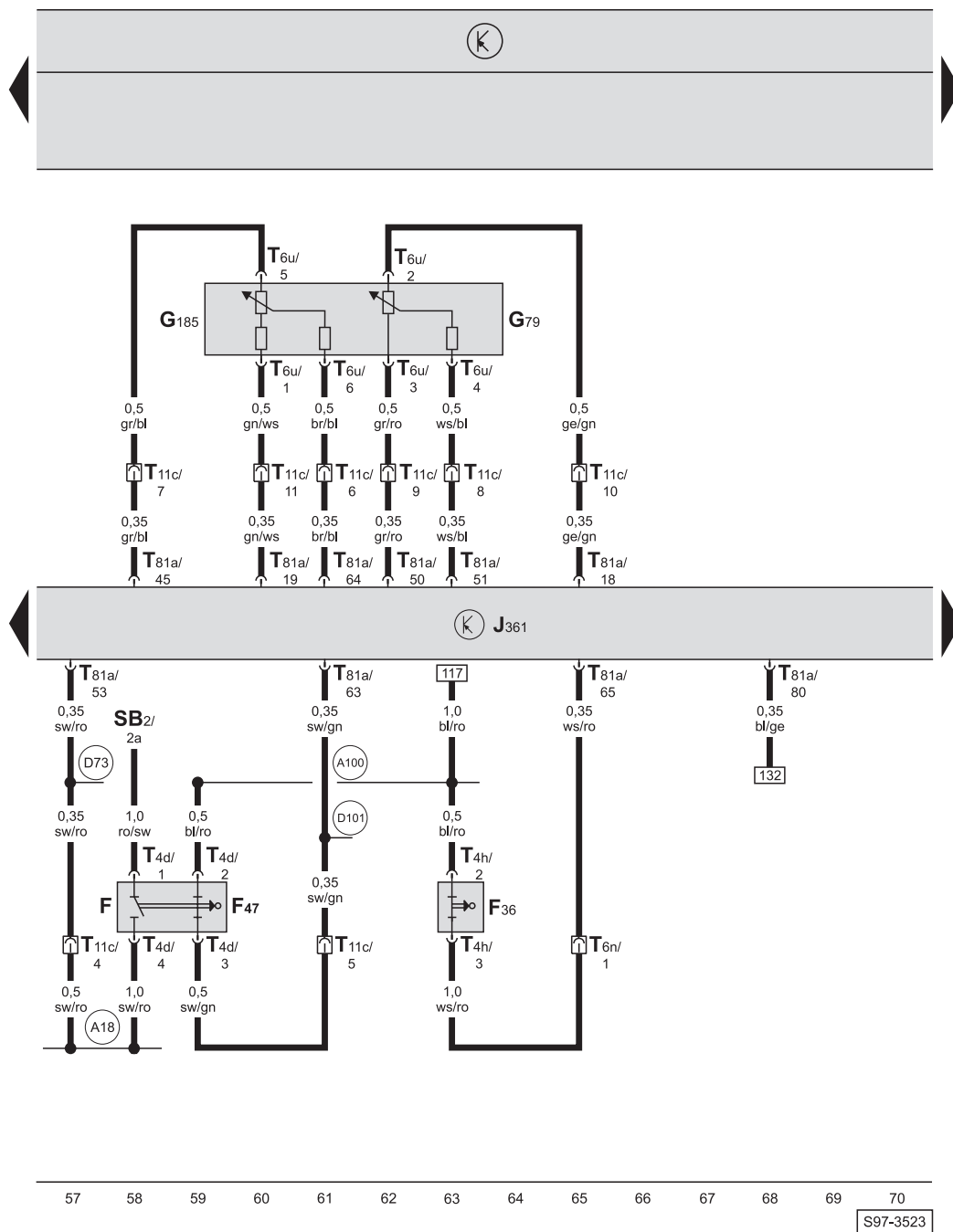
Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure and intake manifold temperature sender, activated charcoal filter system solenoid valve



43 44 45 46 47 48 49 50 51 52 53 54 55 56
S97-3522

- G39 - Lambda probe
 - G71 - Intake manifold pressure sender
 - G72 - Intake manifold temperature sender
 - G130 - Lambda probe downstream of catalytic converter
 - J361 - Simos control unit
 - N80 - Activated charcoal filter system solenoid valve
 - T2z - 2-pin connector, at activated charcoal filter system solenoid valve
 - T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
 - T4k - Connector, 4-pin, close to lambda probe downstream of catalytic converter
 - T6z - Connector, 6-pin, close to lambda probe
 - T11a - 11-pin connector, at left of bulkhead (white)
 - T11b - 11-pin connector, at left of bulkhead (red)
 - T40a - 40-pin connector, at engine control unit
 - T81a - 81-pin connector, at engine control unit
 - Z19 - Lambda probe heater
 - Z29 - Lambda probe heater downstream of catalytic converter
- 220 - Earth connection (sender earth), in engine pre-wiring wiring harness
 - A130 - Connection (CCS), in wiring loom behind dash panel on left
 - D141 - Connection (5V), in engine assembly wiring loom
 - E28 - Connection (lambda probe heater), in engine compartment wiring loom
- ■ ■ - Applies only to models with CCS

Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch

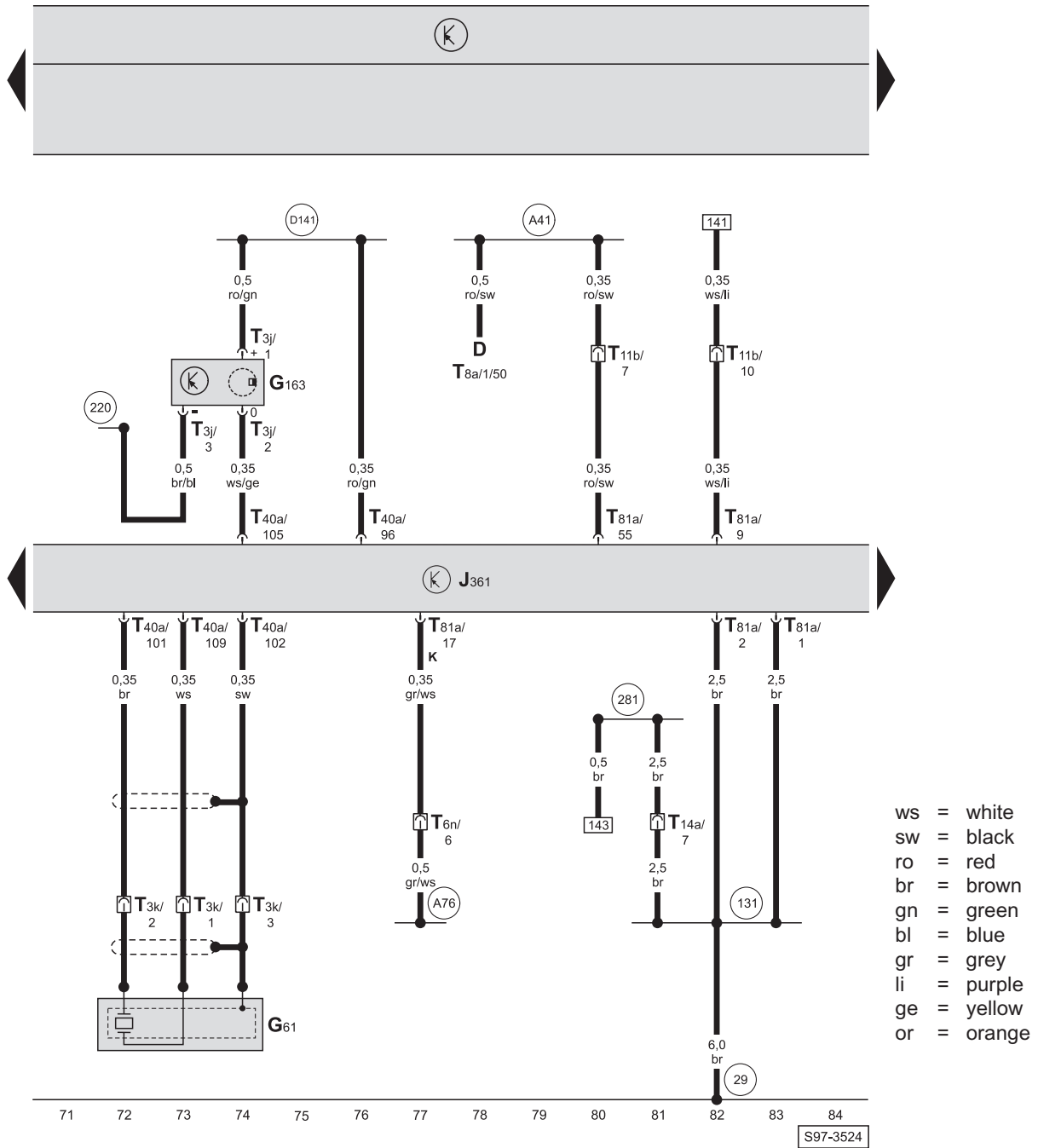


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- (A18) - Connection (54), in wiring loom behind dash panel
- (A100) - Connection (87a), in wiring loom behind dash panel
- (D73) - Connection (54), in left of engine compartment wiring loom
- (D101) - Connection (brake pedal switch), in engine compartment wiring loom

- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G79 - Accelerator position sender
- G185 - Accelerator pedal position sender -2-
- J361 - Simos control unit
- SB2 - Fuse, in fuse holder
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11c - 11-pin connector, at left of bulkhead (blue)
- T81a - 81-pin connector, at engine control unit

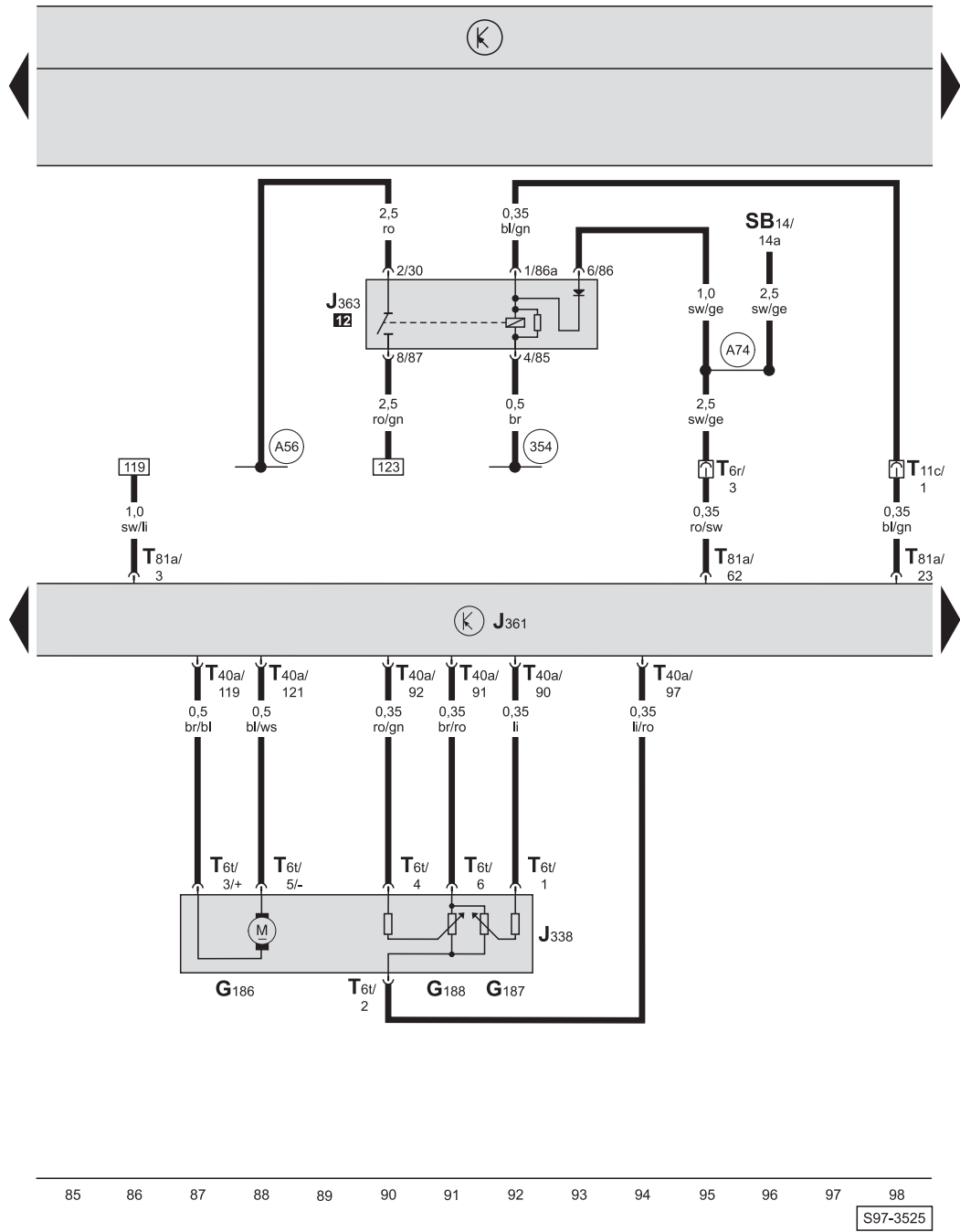
Simos control unit, knock sensor I, camshaft position sender



- D - Ignition/starter switch
- G61 - Knock sensor I
- G163 - Camshaft position sender
- J361 - Simos control unit
- T3j - 3-pin connector, at camshaft position sender
- T3k - 3-pin connector, at knock sensor I
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- 220 - Earth connection (sender earth), in engine pre-wiring wiring harness
- 281 - Earth connection -1-, in engine pre-assembly wiring loom
- A41 - Positive connection (50), in wiring loom behind dash panel
- A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- D141 - Connection (5V), in engine assembly wiring loom

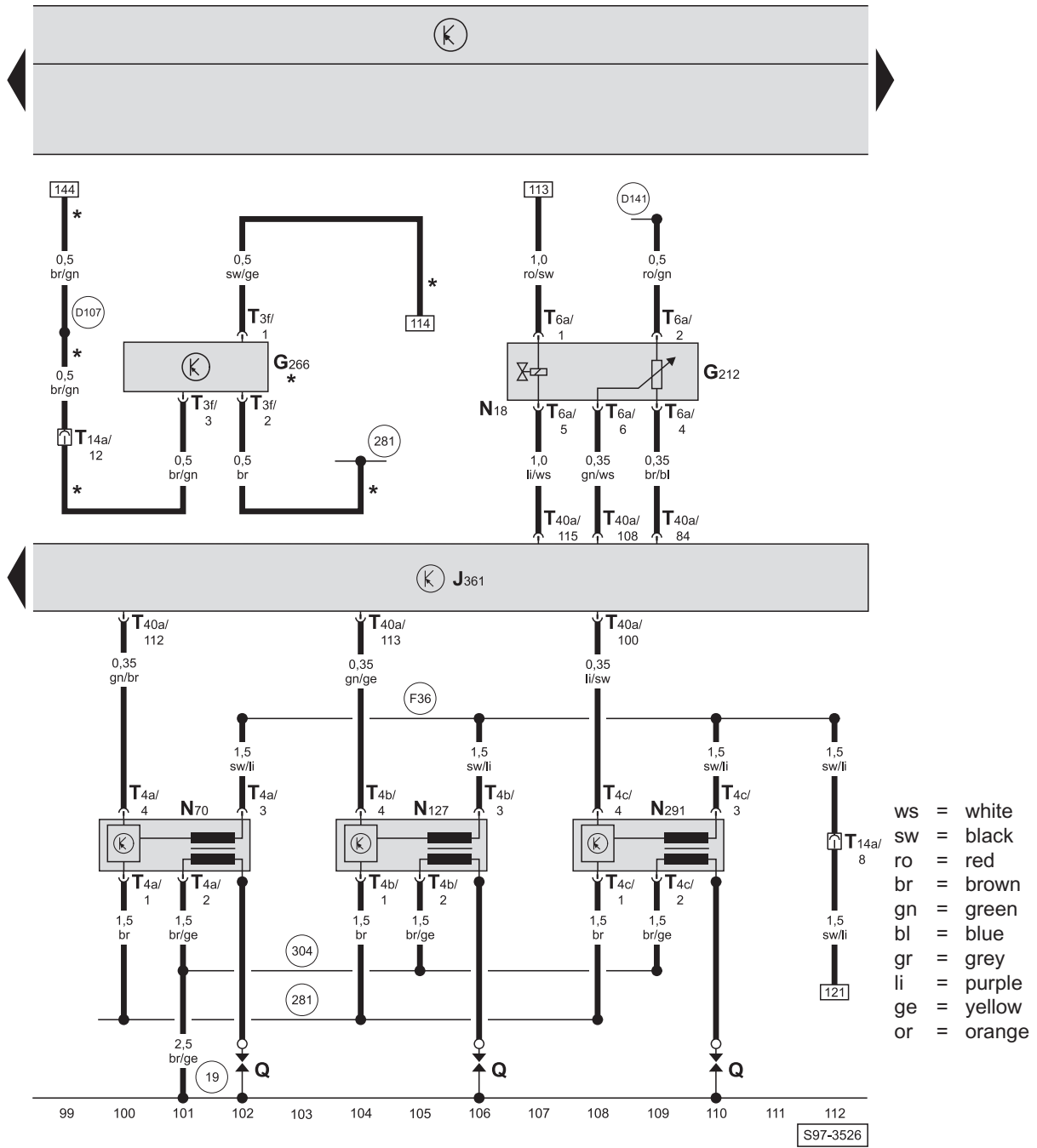
Simos control unit, throttle valve control unit, Simos power supply relay



- G186 - Throttle valve drive (electric throttle operation)
- G187 - Angle sender -1- for throttle valve drive (electric throttle operation)
- G188 - Angle sender -2- for throttle valve drive (electric throttle operation)
- J338 - Throttle valve control unit
- J361 - Simos control unit
- J363 - Simos power supply relay
- SB14 - Fuse, in fuse holder
- T6r - 6-pin connector, at left of bulkhead (brown)
- T6t - 6-pin connector, at throttle valve control unit
- T11c - 11-pin connector, at left of bulkhead (blue)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (354) - Earth connection -2-, in wiring loom behind dash panel
- (A56) - Positive connection (30a), in wiring loom behind dash panel
- (A74) - Positive connection (15a), in wiring loom behind dash panel

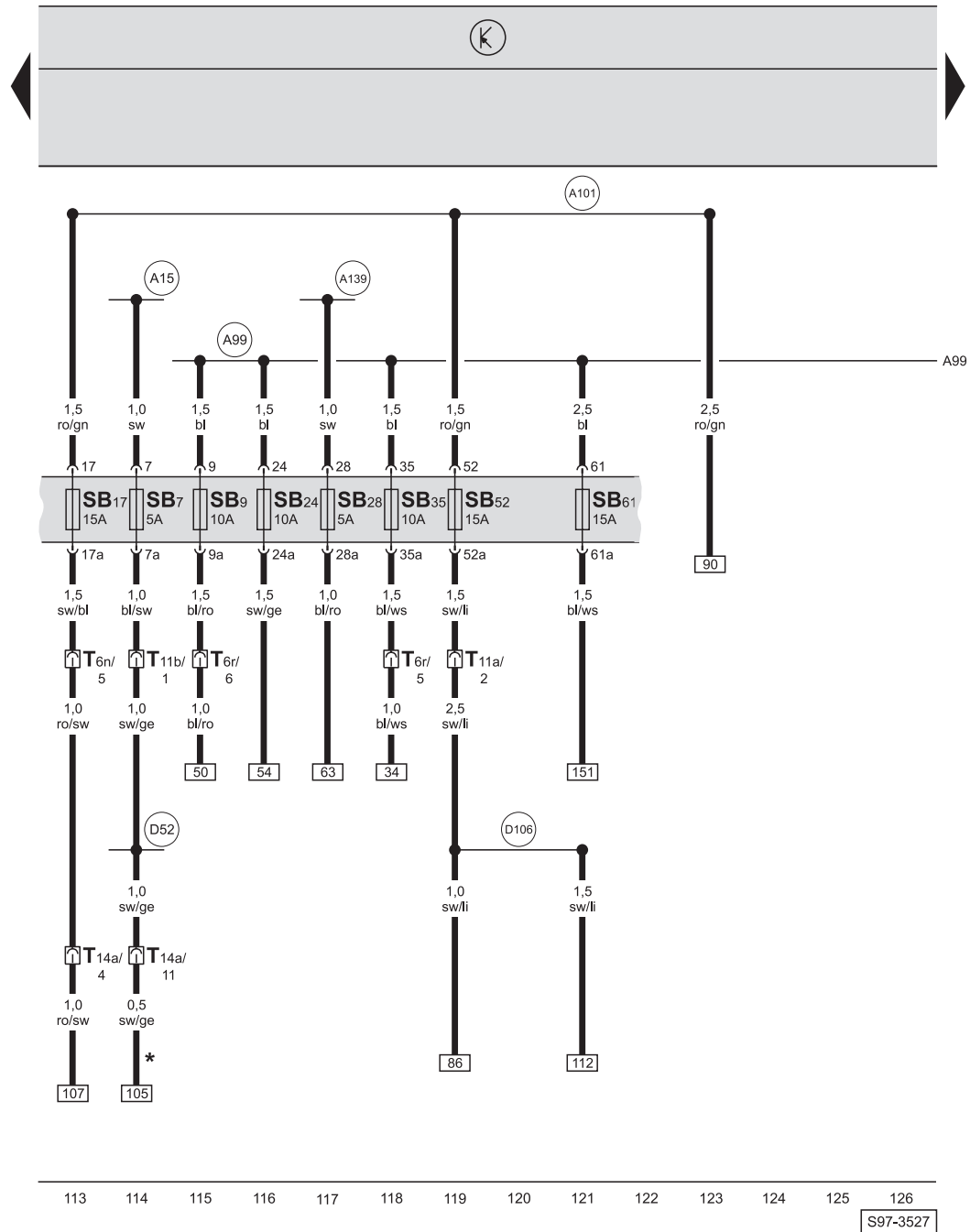
Simos control unit, exhaust gas recirculation valve, exhaust gas recirculation potentiometer, oil level/oil temperature sender, ignition system



- G212 - Exhaust gas recirculation potentiometer
- G266 - Oil level/oil temperature sender
- J361 - Simos control unit
- N18 - EGR valve
- N70 - Ignition coil 1 with output stage
- N127 - Ignition coil 2 with output stage
- N291 - Ignition coil 3 with output stage
- Q - Spark plugs
- T3f - Connector, 3-pin, at oil level/oil temperature sender
- T4a - Connector, 4-pin, at ignition coil 1
- T4b - Connector, 4-pin, at ignition coil 2
- T4c - Connector, 4-pin, at ignition coil 3
- T6a - Connector, 6-pin, at EGR valve
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)
- T40a - 40-pin connector, at engine control unit

- (19) - Earth point, near coil
- (281) - Earth connection -1-, in engine pre-assembly wiring loom
- (304) - Earth connection (ignition coils), in engine pre-assembly wiring loom
- (D107) - Connection -5- (Oil level/oil temperature sender), left in engine compartment wiring harness
- (D141) - Connection (5V), in engine assembly wiring loom
- (F36) - Connection (87a), in engine preassembly wiring loom
- * - applies only to models with extended service interval (ESI)

Fuse holder



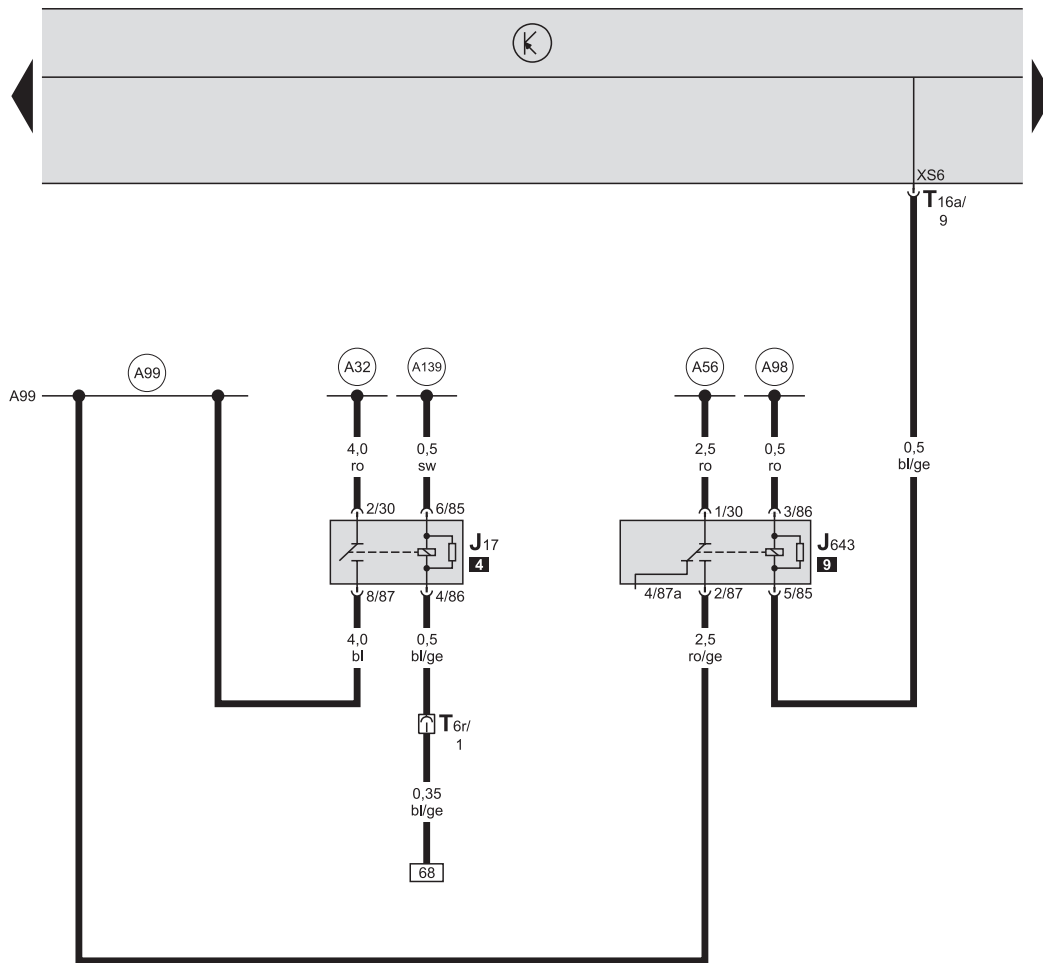
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- T6n - 6-pin connector, at left of bulkhead (blue)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- A15 - Positive connection (15), in wiring loom behind dash panel
- A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- A99 - Connection (87), in wiring loom behind dash panel
- A101 - Connection (87), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel
- D52 - Positive connection (15a), in engine compartment wiring loom
- D106 - Connection -4- (87a), in wiring loom on left of engine compartment

* - applies only to models with extended service interval (ESI)

Fuel pump relay, fuel feed relay



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

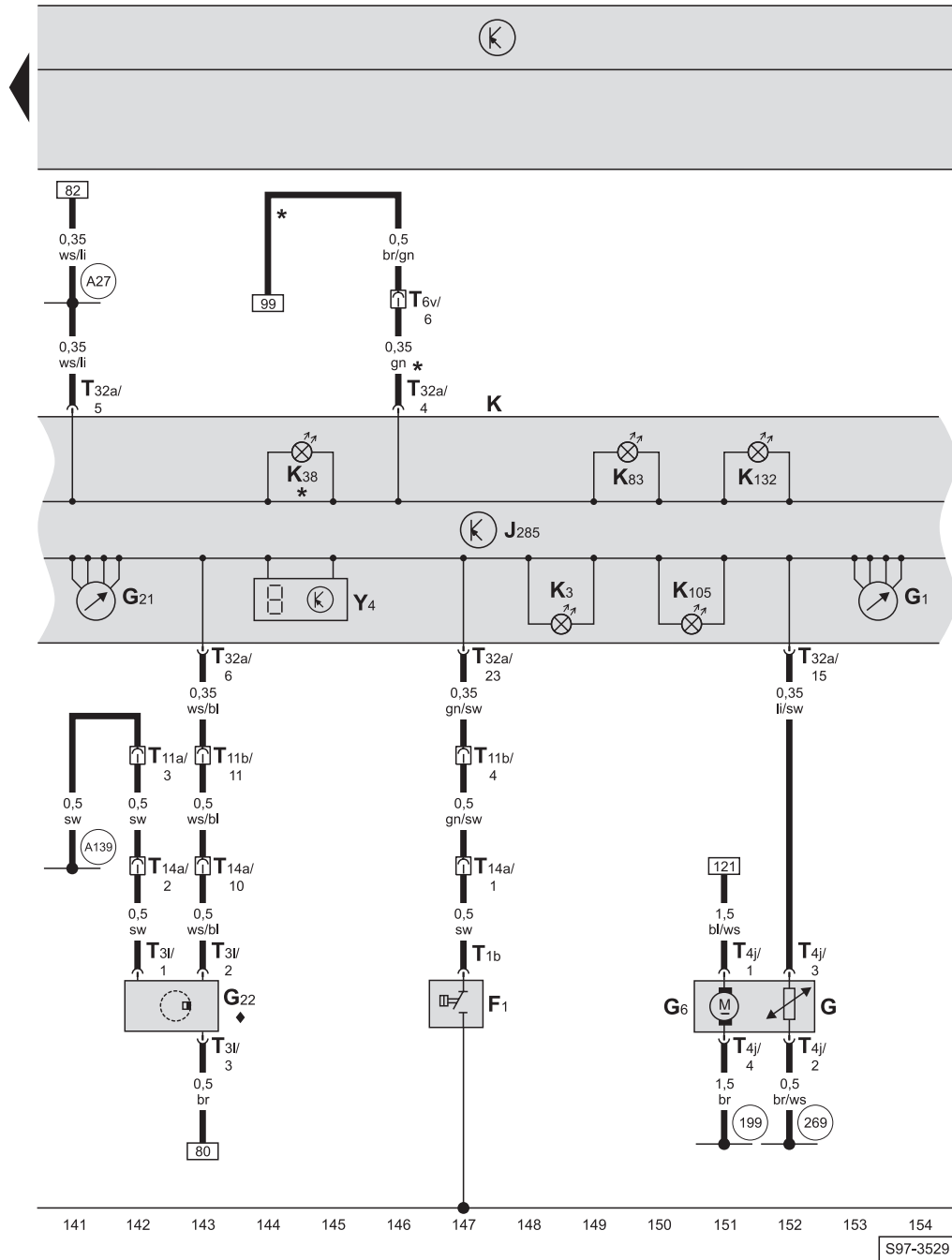
127 128 129 130 131 132 133 134 135 136 137 138 139 140

S97-3528

- J17 - Fuel pump relay
- J643 - Fuel feed relay
- T6r - 6-pin connector, at left of bulkhead (brown)
- T16a - 16-pin connector, at electrical system control unit (black)

- (A32) - Positive connection (30a), in wiring loom behind dash panel on left
- (A56) - Positive connection (30a), in wiring loom behind dash panel
- (A98) - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- (A99) - Connection (87), in wiring loom behind dash panel
- (A139) - Positive connection (15), in wiring loom behind dash panel

Dash panel insert, control unit in dash panel insert, warning lights, oil pressure switch, fuel gauge sender, fuel pump, speedometer sender, fuel gauge, speedometer, odometer display

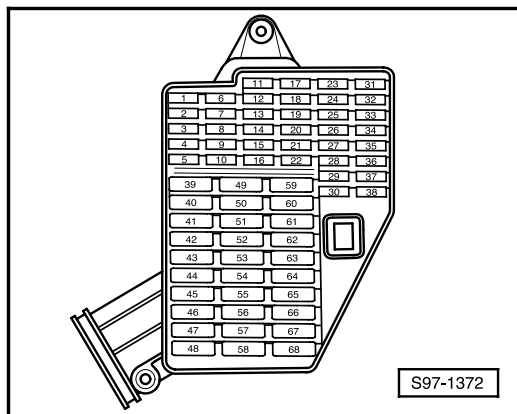


- ws = white
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- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- F1 - Oil pressure switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G6 - Fuel pump
- G21 - Speedometer
- G22 - Speedometer sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K3 - Oil pressure warning lamp
- K38 - Oil level indicator light
- K83 - Exhaust gas warning lamp
- K105 - Reserve fuel warning lamp
- K132 - Electric throttle control fault lamp
- T1b - 1-pin connector, at oil pressure switch
- T3l - 3-pin connector, at speedometer sender
- T4j - 4-pin connector, at fuel pump
- T6v - 6-pin connector, at left of bulkhead (green)
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T32a - 32-pin connector, at dash panel insert
- Y4 - Odometer display
- 199 - Earth connection, in wiring harness behind dash panel
- 269 - Earth connection (sender earth) -1-, in wiring harness behind dash panel
- A27 - Connection (vehicle speed signal), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel
- * - applies only to models with extended service interval (ESI)
- ◆ - not valid for vehicles with ABS/ABS with EDL and TCS/ESP

1.4 I - TDI with unit injection system/55 kW, engine code AMF, from May 2003

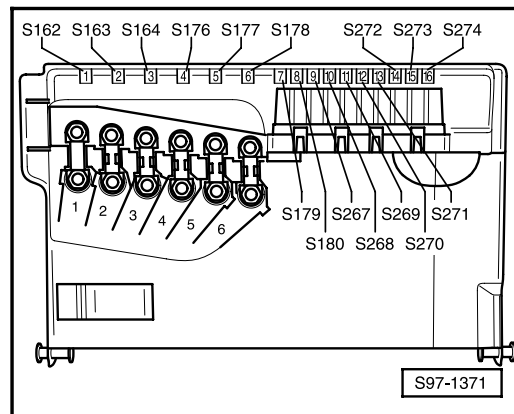
Fuse holder:



Fuse colours

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

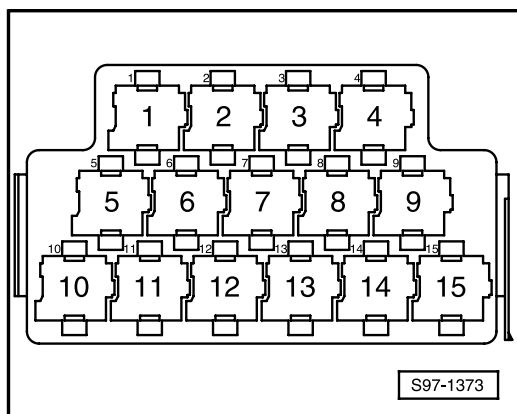
Fuse holder on battery:



Fuse colours

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

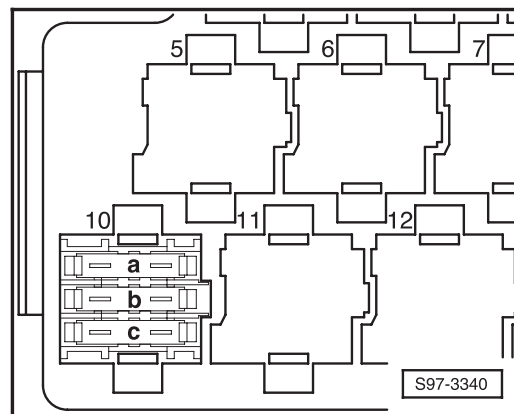
Relay holder:



Relay position assignment:

- 3** - Glow plug relay
- 4** - Fuel pump relay
- 8** - Low heating capacity relay
- 9** - High heating capacity relay
- 15** - Diesel direct injection system relay

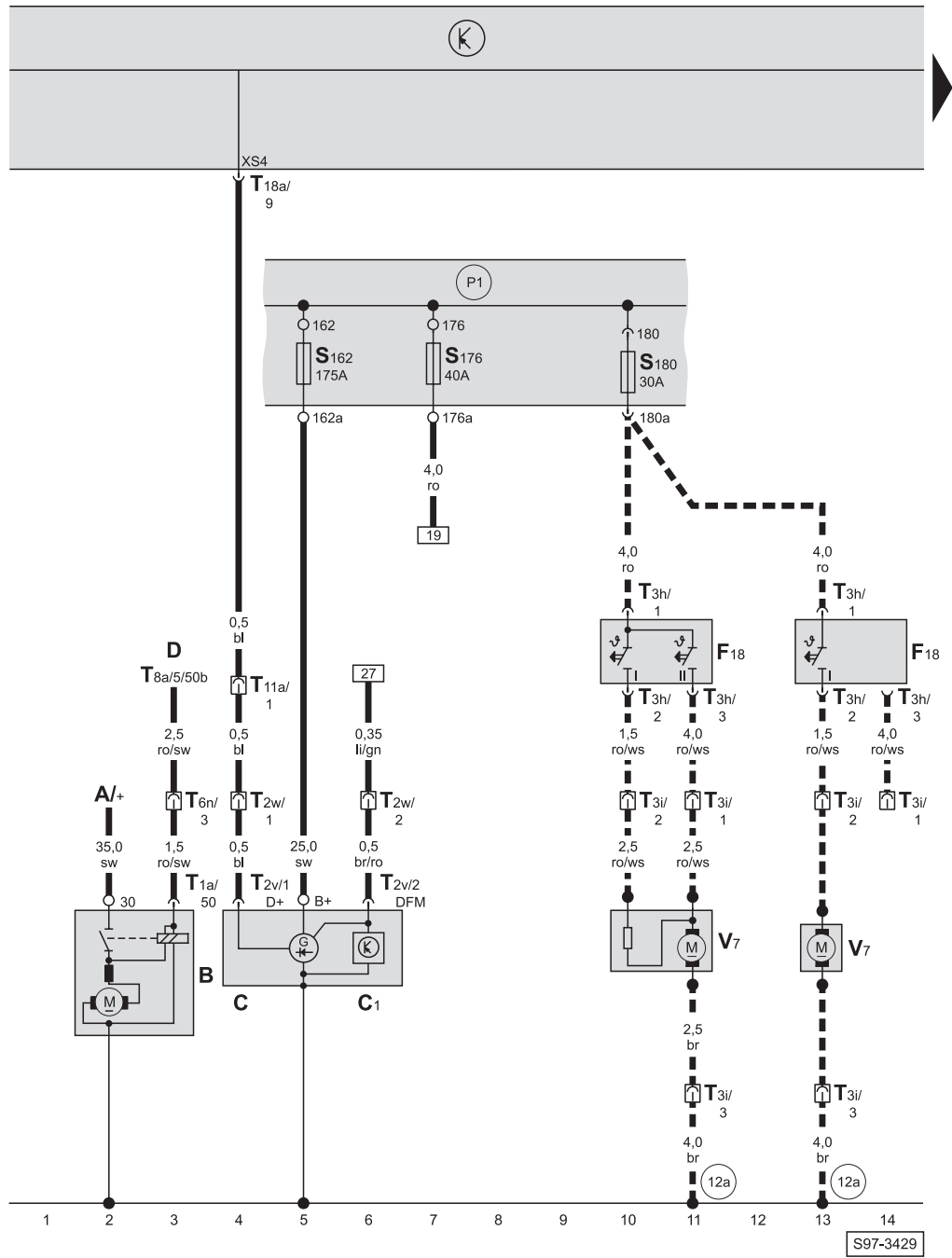
Additional fuse holder:



Fuse position assignment:

- a** - S276 - Fuse -1- for heating element
- b** - S277 - Fuse -2- for heating element
- c** - S278 - Fuse -3- for heating element

Starter, alternator, radiator fan, fuse holder on battery



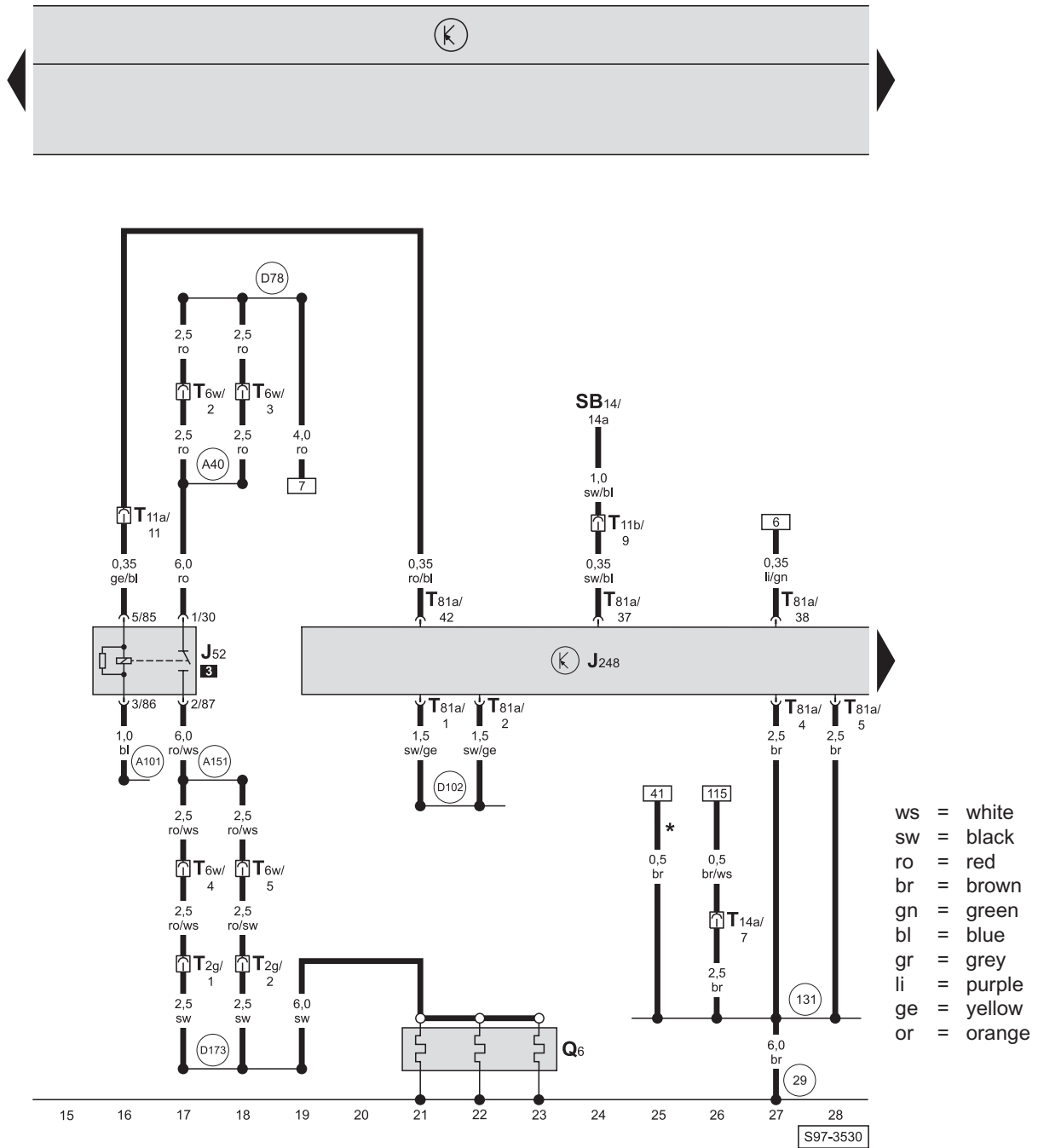
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermoswitch
- S162 - Fuse -1- (30), in fuse holder on battery
- S176 - Fuse -4- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- T2w - 2-pin connector, in bracket at gearbox
- T3h - 3-pin connector, at radiator fan thermoswitch
- T3i - 3-pin connector, in bracket on left of radiator
- T6n - 6-pin connector, at left of bulkhead (blue)
- T8a - 8-pin connector, at ignition/starter switch
- T11a - 11-pin connector, at left of bulkhead (white)
- T18a - 18-pin connector, at electrical system control unit (brown)
- V7 - Radiator fan

- (12a) - Earth point -2-, in engine compartment, on left below battery (at side member)
- (P1) - Positive connection (30), in fuse holder on battery
- - Thermoswitch and radiator fan vary according to optional equipment (does not apply to models with air conditioning)

S97-3429

Diesel direct injection system control unit, glow plug relay, glow plugs

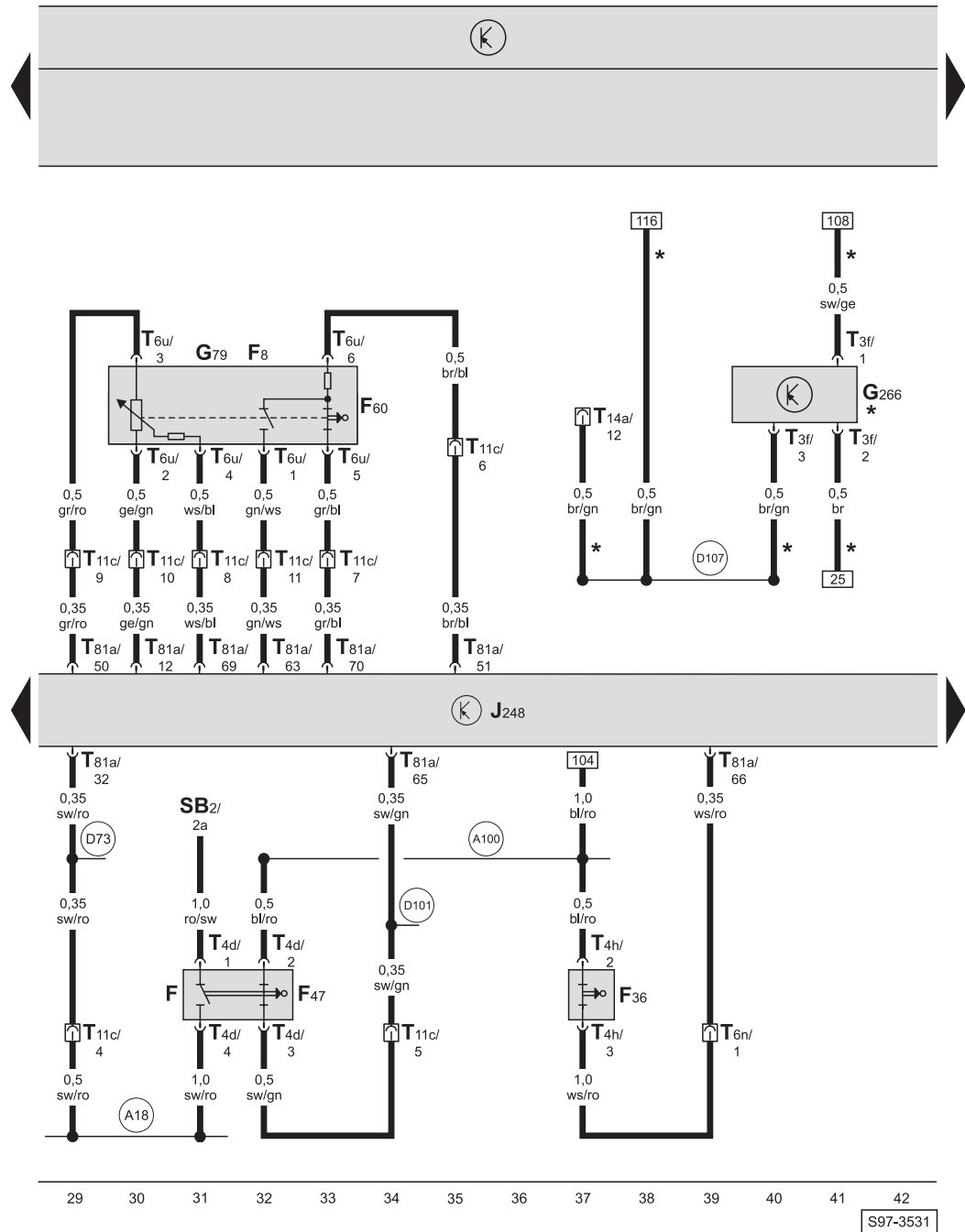


- J52 - Glow plug relay
- J248 - Diesel direct injection system control unit
- Q6 - Glow plugs
- SB14 - Fuse, in fuse holder
- T2g - 2-pin connector, in left of engine compartment (connection of engine assembly wiring loom/engine compartment wiring loom)
- T6w - 6-pin connector, at left of bulkhead (grey)
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T81a - 81-pin connector, at engine control unit

- 29 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 131 - Earth connection -2-, in engine compartment wiring harness
- A40 - Positive connection (30a), in wiring loom behind dash panel
- A101 - Connection (87), in wiring loom behind dash panel
- A151 - Connection (87), in wiring loom behind dash panel
- D78 - Positive connection -1- (30a), in engine compartment wiring loom
- D102 - Connection -2- (87a), in wiring loom in left of engine compartment
- D173 - Connection (87), in engine assembly wiring loom

* - applies only to models with extended service interval (ESI)

Control unit for Diesel direct injection system, Accelerator pedal position sender, Brake pedal switch, Clutch pedal switch, Oil level/oil temperature sender



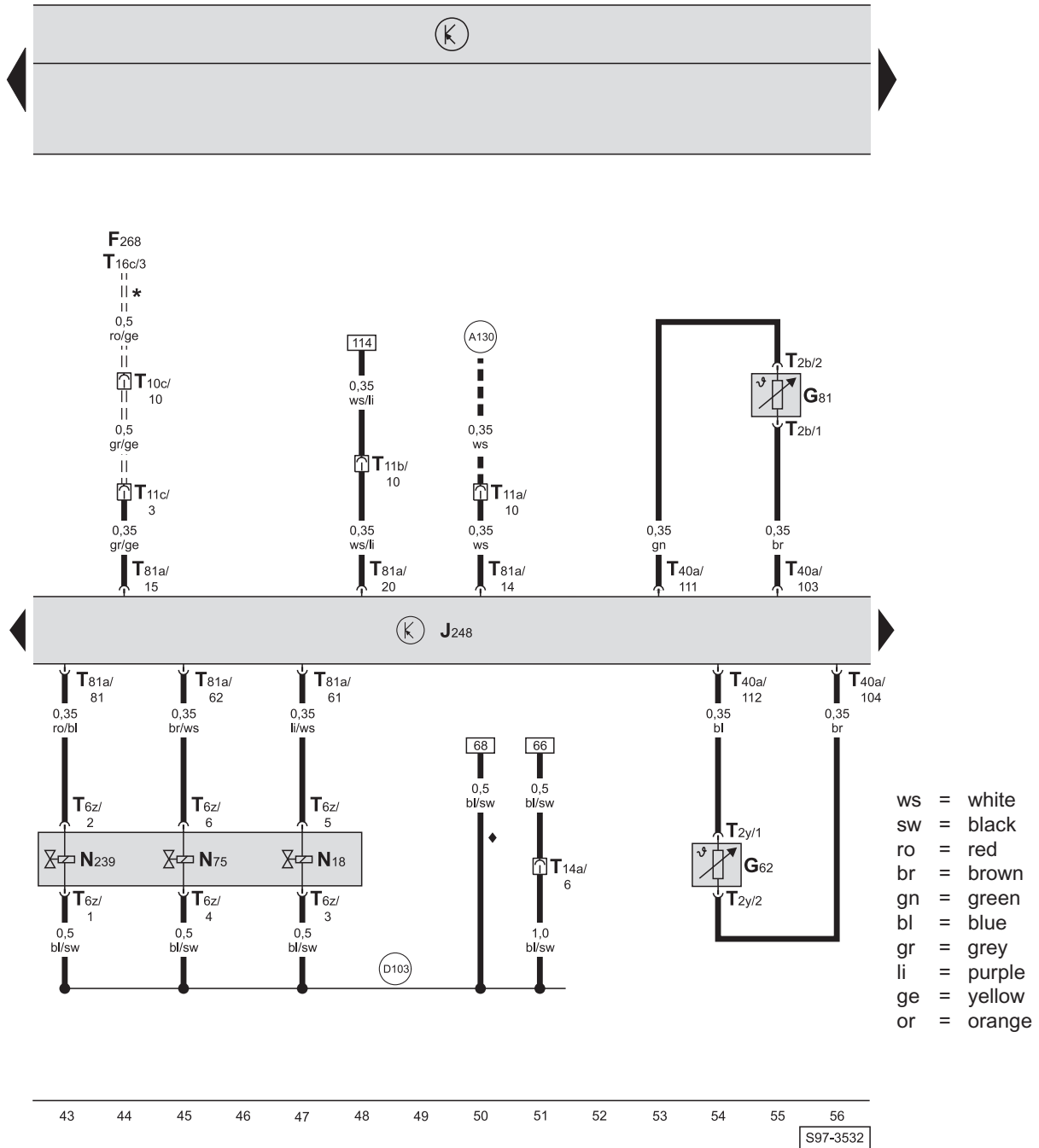
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- F - Brake light switch
- F8 - Kickdown switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- F60 - Idling speed switch
- G79 - Accelerator position sender
- G266 - Oil level/oil temperature sender
- J248 - Diesel direct injection system control unit
- SB2 - Fuse, in fuse holder
- T3f - Connector, 3-pin, at oil level/oil temperature sender
- T4d - 4-pin connector, at brake pedal switch
- T4h - 4-pin connector, at clutch pedal switch
- T6n - 6-pin connector, at left of bulkhead (blue)
- T6u - 6-pin connector, at accelerator pedal position sender
- T11c - 11-pin connector, at left of bulkhead (blue)
- T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/engine compartment wiring loom)
- T81a - 81-pin connector, at engine control unit

- (A18) - Connection (54), in wiring loom behind dash panel
- (A100) - Connection (87a), in wiring loom behind dash panel
- (D73) - Connection (54), in left of engine compartment wiring loom
- (D101) - Connection (brake pedal switch), in engine compartment wiring loom
- (D107) - Connection -5- (Oil level/oil temperature sender), left in engine compartment wiring harness
- * - applies only to models with extended service interval (ESI)

S97-3531

Diesel direct injection system control unit, coolant temperature sender, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, intake manifold flap changeover valve

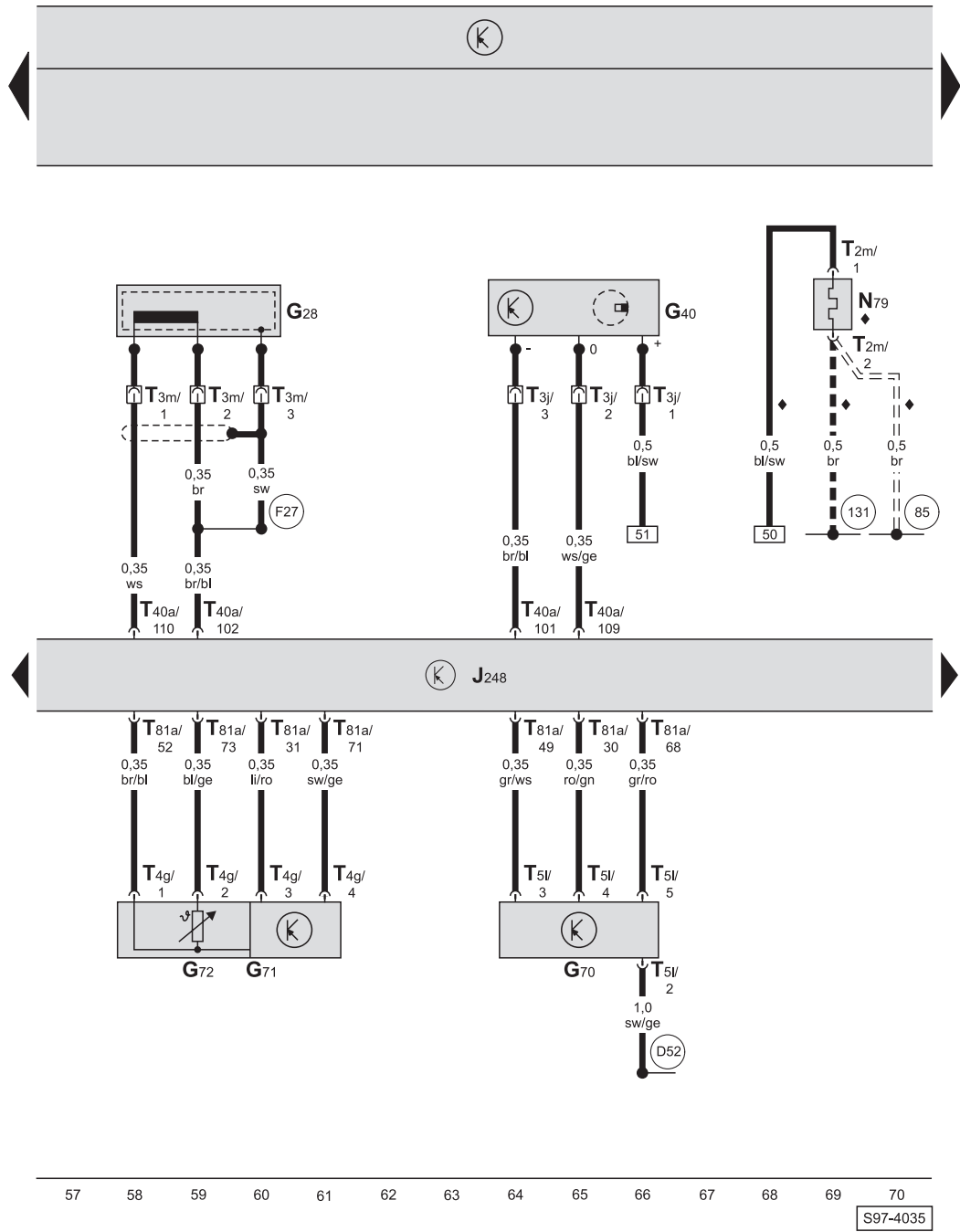


- F268 - Heater element contact switch (PTC)
- G62 - Coolant temperature sender
- G81 - Fuel temperature sender
- J248 - Diesel direct injection system control unit
- N18 - EGR valve
- N75 - Boost pressure control solenoid valve
- N239 - Intake manifold flap changeover valve
- T2b - Plug connection, 2-pin, at fuel temperature sender
- T2y - 2-pin connector, at coolant temperature sender
- T6z - Connector, 6-pin, at valve block
- T10c - 10-pin connector, behind dash panel on right
- T11a - 11-pin connector, at left of bulkhead (white)
- T11b - 11-pin connector, at left of bulkhead (red)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T14a - Connector, 14-pin, in left of engine compartment
(connection of the engine pre-assembly wiring loom/
engine compartment wiring loom)
- T16c - 16-pin connector, at fresh air controls

- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit
- A130 - Connection (CCS), in wiring loom behind dash panel on left
- D103 - Connection -3- (87a), in engine compartment wiring loom

- * - does not apply to models with air conditioning
- ◆ - Applies only to models with optional equipment
- ■ ■ - Applies only to models with CCS
- === - Applies only to models with heating element (PTC)

Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender



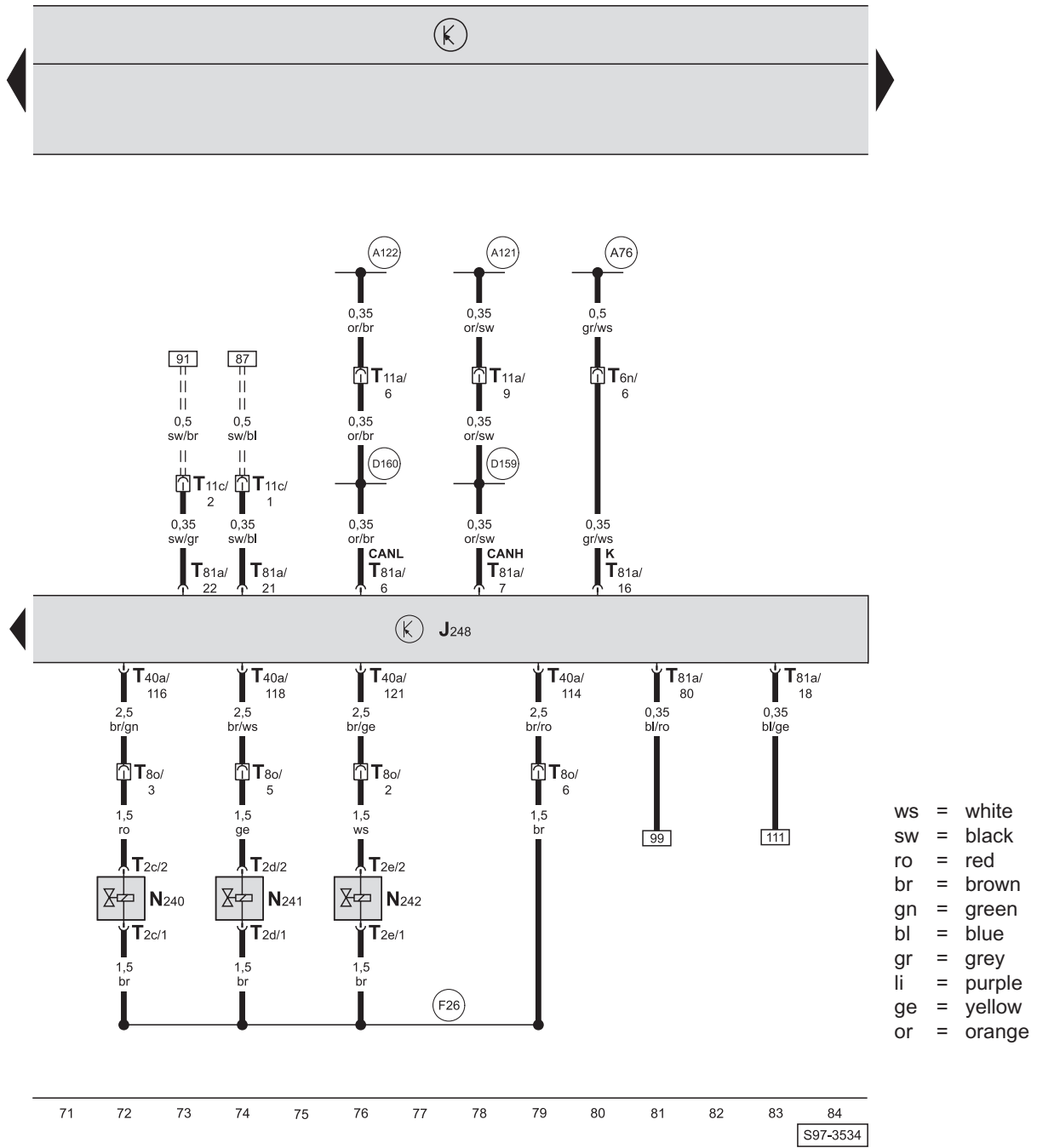
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange

- G28 - Engine speed sender
- G40 - Camshaft position sender
- G70 - Air mass meter
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- N79 - Crankcase breather heater element
- J248 - Diesel direct injection system control unit
- T2m - 2-pin connector, at crankcase breather heater element
- T3j - 3-pin connector, at camshaft position sender
- T3m - 3-pin connector, at engine speed sender
- T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
- T5l - 5-pin connector, at air mass meter
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- 85 - Earth connection -1-, in wiring loom in left of engine compartment
- 131 - Earth connection -2-, in engine compartment wiring harness
- D52 - Positive connection (15a), in engine compartment wiring loom
- F27 - Connection (screening), in engine pre-wiring wiring harness

- ◆ - Applies only to models with optional equipment
- ■ ■ - valid up to 07.03
- === - valid as of 08.03

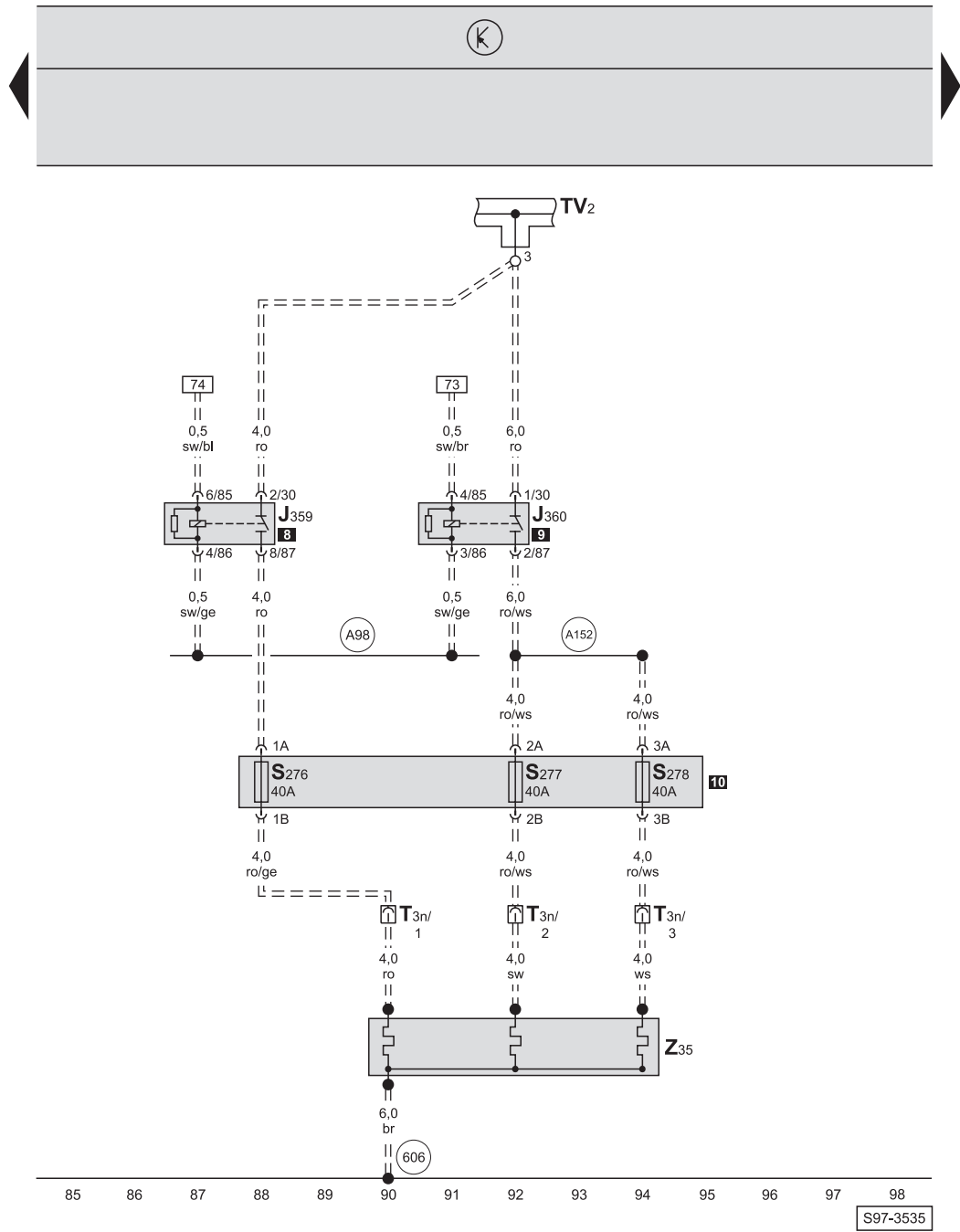
Diesel direct injection system control unit, unit injectors



- J248 - Diesel direct injection system control unit
- N240 - Unit injector, cylinder 1
- N241 - Unit injector, cylinder 2
- N242 - Unit injector, cylinder 3
- T2c - 2-pin connector at unit injector valves, No. 1 cyl
- T2d - Plug connection, 2-pin, at unit injector, cylinder 2
- T2e - Plug connection, 2-pin, at unit injector, cylinder 3
- T6n - 6-pin connector, at left of bulkhead (blue)
- T80a - Plug connection, 8-pin, at cylinder head
- T11a - 11-pin connector, at left of bulkhead (white)
- T11c - 11-pin connector, at left of bulkhead (blue)
- T40a - 40-pin connector, at engine control unit
- T81a - 81-pin connector, at engine control unit

- (A76) - Connection (K diagnosis wire), in wiring loom behind dash panel on left
- (A121) - Connection (CAN-H), in wiring loom behind dash panel on
- (A122) - Connection (CAN-L), in wiring loom behind dash panel
- (D159) - Connection (CAN-H), in engine compartment wiring loom
- (D160) - Connection (CAN-L), in engine compartment wiring loom
- (F26) - Connection (earth), in cylinder head wiring loom
- === - Applies only to models with heating element (PTC)

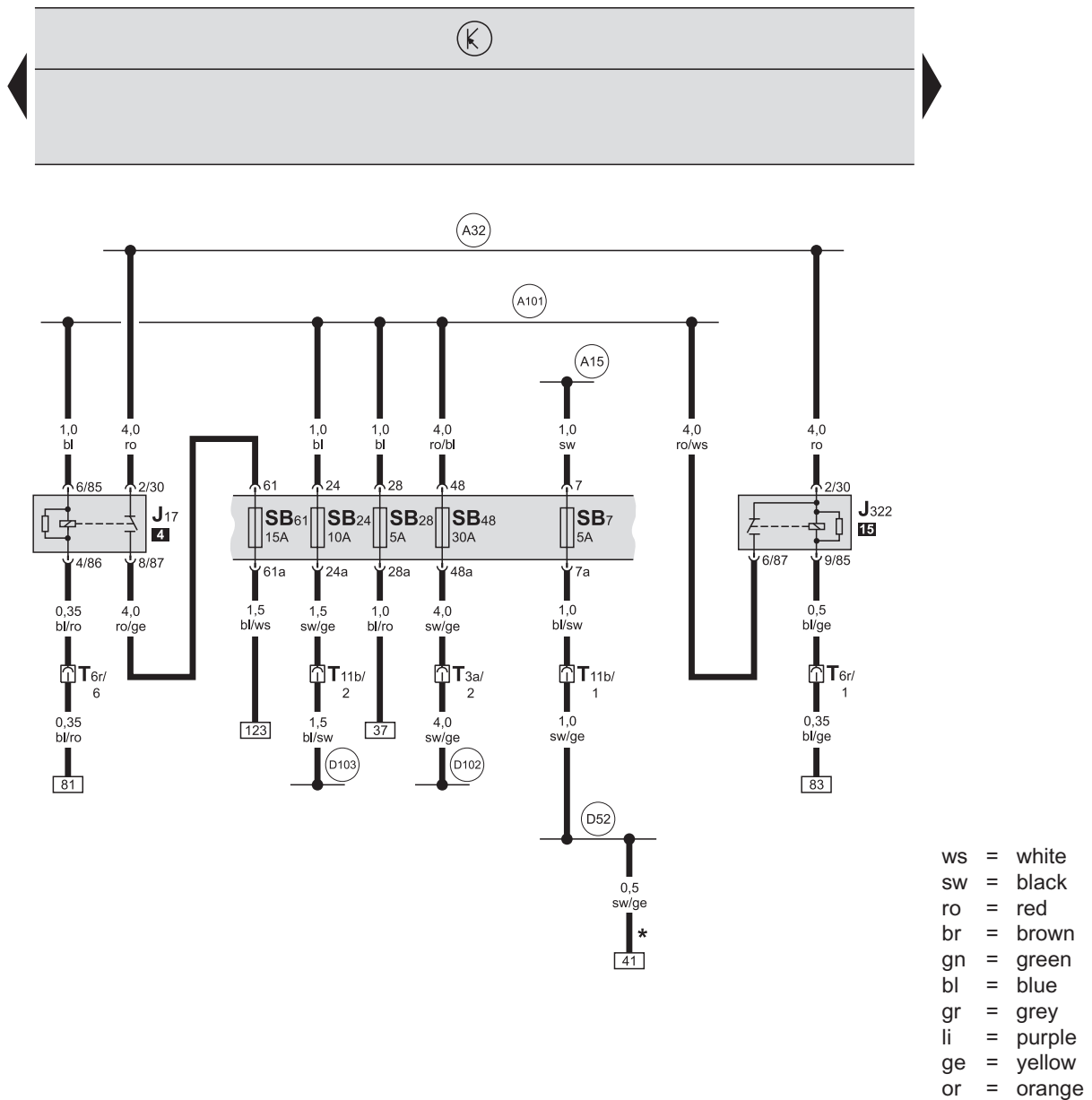
Low heating capacity relay, high heating capacity relay, heating element for additional heater (PTC), additional fuse holder



- J359 - Low heating capacity relay
- J360 - High heating capacity relay
- S276 - Fuse -1- for heater element
- S277 - Fuse -2- for heater element
- S278 - Fuse -3- for heater element
- T3n - 3-pin connector, behind dash panel (at PTC heating element)
- TV2 - Terminal 30 junction, behind dash panel on left
- Z35 - Additional heating heater element (PTC)

- 606 - Earth point, under the centre console, near gear stick
- A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
- A152 - Connection (87), in wiring harness behind dash panel
- === - Applies only to models with heating element (PTC)

Fuel pump relay, diesel direct injection system relay, fuse holder



99 100 101 102 103 104 105 106 107 108 109 110 111 112
S97-3536

- J17 - Fuel pump relay
- J322 - Diesel direct injection system relay
- T3a - 3-pin connector, at left of bulkhead (grey)
- T6r - 6-pin connector, at left of bulkhead (brown)
- T11b - 11-pin connector, at left of bulkhead (red)

- A15 - Positive connection (15), in wiring loom behind dash panel
- A32 - Positive connection (30a), in wiring loom behind dash panel on left
- A101 - Connection (87), in wiring loom behind dash panel
- D52 - Positive connection (15a), in engine compartment wiring loom
- D102 - Connection -2- (87a), in wiring loom in left of engine compartment
- D103 - Connection -3- (87a), in engine compartment wiring loom

* - applies only to models with extended service interval (ESI)