

No.1/2

Battery, Ignition/starter switch, Fuse holder on battery

Circuit complex (function-oriented with consecutive No.)

Designation of the circuit shown on this page

J519 - Onboard supply control unit marked by a grey field (furthermore this control unit is no longer shown in the Current Flow Diagrams)

Load circuits with cable guide
All switches and contacts are marked in mechanical rest position.

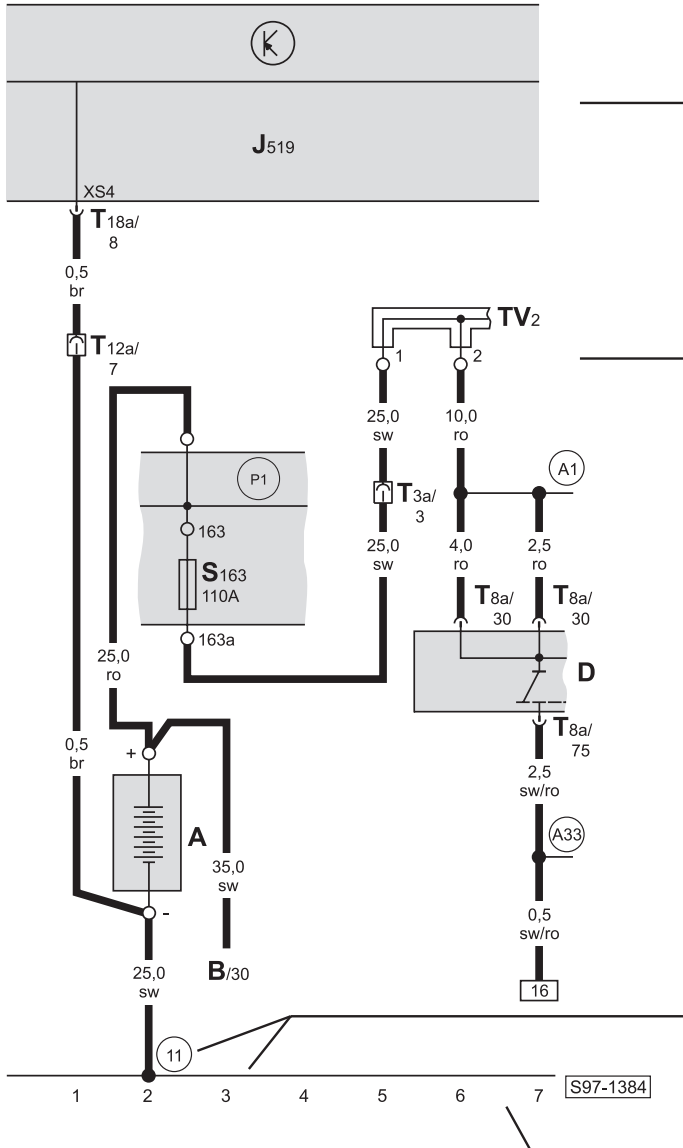
Key to cable colours

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

Vehicle mass
Numbers in chalk mark the fitting location (see Legends).

Current path No.
In order to easily find the combinations.

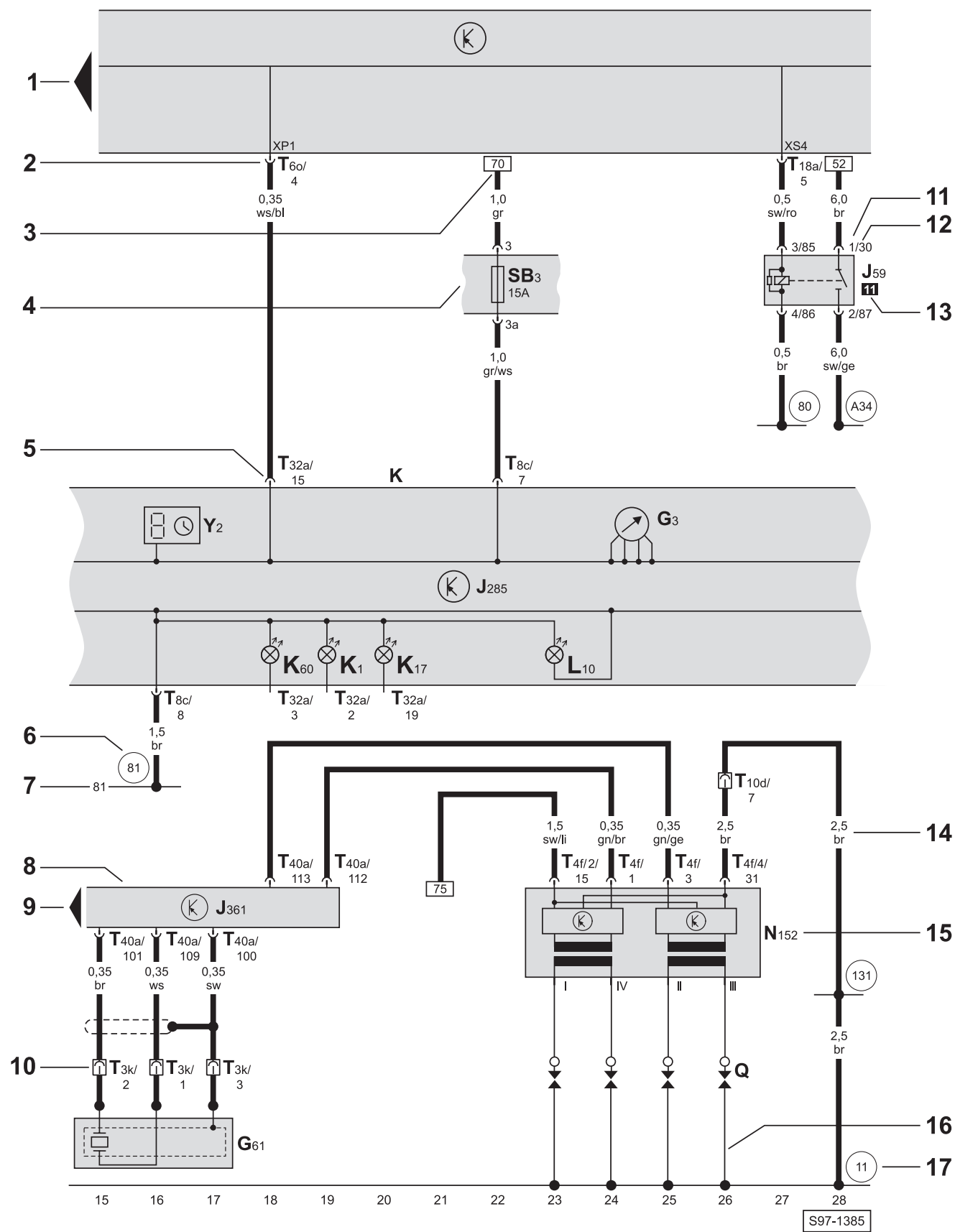
Legend
The same part designations are used in all the current flow diagrams for the same components, e.g. always A for battery.



- A - Battery
- B - Starter
- D - Ignition/starter switch
- J519 - Onboard supply control unit
- T3a - 3-pin connector, at left of bulkhead (grey)
- T18a - 18-pin connector, at electrical system control unit (brown)

- 11 - Earth point, left in engine compartment
- A1 - Positive connection (30a), in wiring loom behind dash panel
- P1 - Positive connection (30), in fuse holder on battery

Explanation of symbols



- 1 - The **arrow** points to the next circuit forming part of the current flow diagram.
- 2 - **Designation of a connector at onboard supply control unit**
If there is an assignment of a multipin connector with a cable, e. g. T6o/4 - 6-pin connector, T6o, contact 4.
- 3 - **Reference to continuation of cable**
The number within a frame indicates the current path in which the cable is continued.
- 4 - **Designation of a fuse**
e. g. Fuse No. 3 (15 amps) in fuse holder.
- 5 - **Designation of a plug connection at a component**
Indicates the designation of the multipin connector, the number of contacts and the assigned contact number, e.g. T32a/15 - Multipin connector T32a - 32-pin, contact 15.
- 6 - **Designation for connection in wiring loom**
You can find information in the legend regarding the wiring loom in which this non-detachable connection (cable weld point) is located.
- 7 - **Reference to continuation of internal connection**
The number indicates the point at which the connection is continued in the next section of the current flow diagram.
- 8 - **Symbol for component (refer to p. IV, V)**
- 9 - The **arrow** refers to continuation of the component in the next current flow diagram.
- 10 - **Designation of a plug connection in wiring harness**
Indicates the designation of the multipin connector, the number of contacts and the assigned contact number, e.g. T3k/2 - Multipin connector T3k, 3-pin, contact 2.
- 11 - **Designation of a terminal**
Terminal designation indicated on the original part and/or contact number of a multipin connector.
- 12 - **Designation of connection - Relay in relay holder**
It indicates the individual contact of relay, e.g. 30 = contact 30 at relay.
- 13 - **Relay position - Designation in relay holder**
- 14 - **Cable cross section** (mm²) and **cable colour** (the abbreviations are explained in the key for cable colours next to the current flow diagram).
- 15 - **Parts designation**
You can find in the legend the name of the part.
- 16 - **Internal connection** (thin line)
This connection does not exist as a cable. Internal connections are electrically conductive connections, however. They make it possible to trace the current flow within components and wiring looms.
- 17 - **Designation of an earth point**
You can find information in the legend regarding the position of the earth point in the vehicle.

Symbols for current flow diagrams

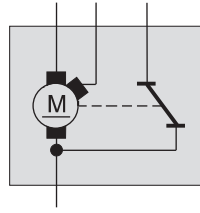
	Plug connection in wiring loom		Bulb
	Plug connection at component		Bulb (twin-filament bulb)
	Screw connection at component		Electric motor
	Connection, non-detachable		Diode
	Internal connection in component		Zener diode
	Fuse		Light-emitting diode
	Switch, manually operated		Electronic control unit/ component
	Pushbutton switch, manually operated		Relay (electronically controlled)
	Switch, mechanically operated		Gauge
	Switch, pressure operated		Cigar lighter
	Switch, temperature-dependent		Spark plug
	Switch, multi-pin manually operated		Relay
	Resistor		Screening
	Resistor, variable		Coil
	Resistance, temperature dependent		Lambda probe

S97-1386

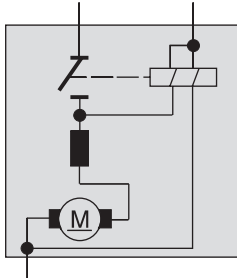
Symbols for current flow diagrams



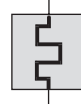
Battery



Wiper motor, 2-stage



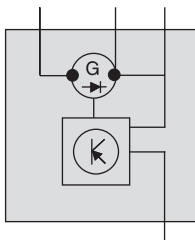
Starter



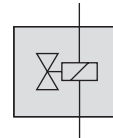
Heated rear window



Heating resistor/glow plug



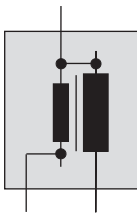
Alternator



Solenoid valve



Aerial



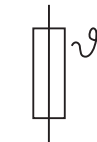
Ignition coil



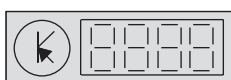
Loudspeaker



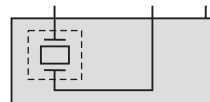
Digital clock



Thermo-fuse



Multifunction display



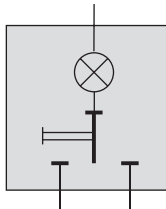
Knock sensor



Hall sender



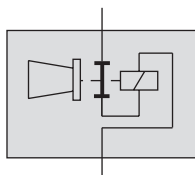
Speedometer sender



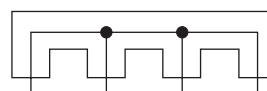
Interior light



Coil spring in steering wheel



Horn



Wiring junction

S97-1387

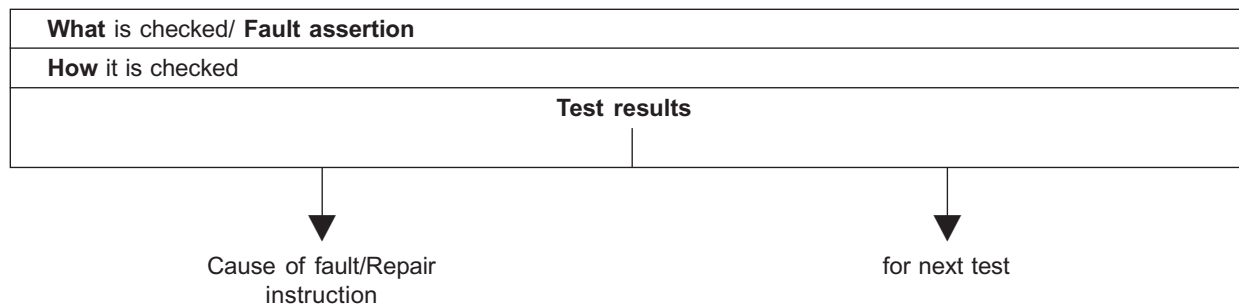
Terminal designations

Terminal	Meaning
15	Switched positive behind battery (output contact from ignition/starter switch)
15a	Switched positive from ignition/starter switch (behind fuse)
30	Output directly from battery positive
30a	Output directly from battery positive (behind fuse)
30al	Positive of onboard supply control unit for interior lights switched off
31	Battery negative, or vehicle earth
50	Output contact from ignition/starter switch for starter
53c	Wash system with automatic wipe
54	Brake lights
56a	Main beam
56aL	Left main beam
56b	Dipped beam
56bL	Left dipped beam
56bR	Right dipped beam
57L	Left side and tail light or parking light
57R	Right side and tail light or parking light
58	Side and tail light, licence plate light
58b	Illumination of switches and dash panel insert (set illumination intensity)
58L	Left side light, tail light and parking light
58R	Right side light, tail light and parking light
71	Input for horn
75	Output contact from ignition/starter switch for switching off consumers to relieve battery when starting
75al	Positive switched off via heater switch or ignition/starter switch when starting engine
75x	Switched-off positive behind relief relay of battery when starting (relay controlled via ignition/starter switch)
86s	Switched-off positive by ignition/starter switch when key removed completely from ignition/starter switch
87	Output contact from fuel pump relay or from diesel direct injection system relay
87a	Output contact from fuel pump relay or from diesel direct injection system relay behind fuse
CAN - H } CAN - L }	Data bus between drive control units (engine, automatic gearbox, ABS, dash panel insert, onboard supply control unit,...)
CAN - H, Komfort } CAN - L, Komfort }	Convenience data bus between convenience system control units (door control units, air conditioning system, dash panel insert, onboard supply control unit,...)
K	Diagnostic cable between control units

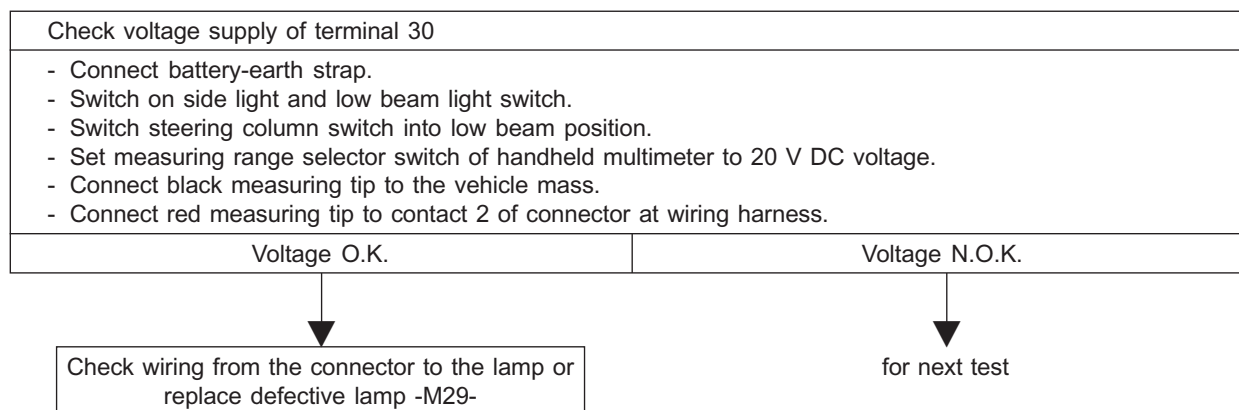
Structure and explanation of the fault finding programs

Starting from the reported complaint, it is shown step by step what and how it is checked, in order to be sure to find the fault in a rational manner. The fault finding programs in their written and symbolic form always have the same structure.

Structure of a test step:



An example for a fault finding program:



Supplement

FABIA

Binder No. 10

No. 1

Workshop Manual: Current Flow Diagrams, Electrical Fault Finding and Fitting Locations

Model Year 2003 ►

Edition: 06.04

Please note the following points regarding this supplement:

- Replace the pages 1, 5, 7, 11 of the previous table of contents.
- File in the pages 13, 15, 17, 19 of the table of contents.
- Replace Current Flow Diagrams 1/11, 7/5, 32/1, 36/1, 37/1, 53/5, 59/5.
- File Current Flow Diagrams 61 - 75.
- Replace Fitting Locations 1/1, 1/3, 1/5, 2/3, 2/5, 2/9.
- File Fitting Locations 1/7, 1/9.



Repairs to the wiring looms must only be carried out by using the service case.

Model Year 2003

Fitting Locations No.

● Fuse holder, fuse holder on battery, relay holder	1/1
● Multi-pin connectors	2/1
● Earth points	3/1

Fault Finding Programmes No.

Note: Measures for rectifying current faults of specific models see „Technical Service Handbook“.

● Battery discharges by itself	1/1
● Starter does not rotate	2/1
● Windscreen wiper system faulty	3/1
● Windscreen washer system faulty	4/1
● Wiper intermittent operation faulty	5/1
● Testing rear window wiper	6/1
● Heated rear window does not operate	7/1
● Testing fresh air blower	8/1
● Testing fresh and recirculated air flap positioning motor	9/1
● Testing heater element for additional heater (PTC) -Z35-	10/1
● Electrically adjustable and heated exterior mirrors (without power windows)	11/1
● Testing electric sliding roof	12/1
● Testing seat heater	13/1
● Testing headlight washer system	14/1
● Testing light failure indicator	15/1

Current Flow Diagrams	No.
● Basic equipment - FABIA, from August 2002	1/1
- Battery, fuse holder on battery	1/2
- Ignition/starter switch, fuse holder	1/3
- Relief relay for X contact, fuse holder on battery	1/4
- Light switch	1/5
- Headlight dipper/flasher switch, Headlight, Fuse holder (not valid for vehicles with gas discharge lamps)	1/6
- Turn signal light switch, parking light switch, hazard warning light pushbutton, side turn signal light	1/7
- Lighting rheostat - switches and instruments, headlamp beam control adjuster, headlamp beam control, headlamp beam control adjuster, fuse holder (does not apply to models with gas discharge bulbs)	1/8
- Brake light switch, left tail light, fuse holder	1/9
- Right tail light, centre high-mounted brake light, licence plate light	1/10
- Glove box light, luggage compartment light	1/11
- Windshield wiper and rear window wiper switch, windshield wiper motor (not applicable to Notchback)	1/12
- Windshield wiper and rear window wiper switch, windshield wiper motor (applicable only to Notchback)	1/13
- Rear window wiper motor, windscreen and rear window washer pump	1/14
- Button for heated rear window, heated rear window	1/15
- Heating	1/16
- Front interior light, door contact switch (does not apply to models with central locking)	1/17
- Horn	1/18
- Socket, cigarette lighter, ashtray illumination, glove box light, fuse holder	1/19
- Reversing lights switch, luggage compartment socket, fuse holder	1/20
- Dash panel insert, control unit in dash panel insert, warning lights, digital clock	1/21
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Coolant temperature gauge, Rev. Counter, Driver side belt switch	1/22
- Immobiliser, dash panel insert, control unit in dash panel insert, warning lights, buzzer/gong	1/23
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Handbrake warning switch, Brake fluid level warning contact, Coolant shortage indicator sender, Windscreen washer fluid level sender	1/24
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Brake lining/pad wear sender	1/25
- Plug connection for radio or navigation system control unit, plug connection for diagnostic socket, databus diagnostic interface	1/26

Current Flow Diagrams	No.
● 1.2 I - Simos 3 PD/40 kW), engine code AWY, from August 2002 until October 2002	2/1
- Starter, alternator, fuse holder on battery, radiator fan (models without trailer coupling)	2/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan, (models with trailer coupling)	2/3
- Simos control unit, injectors, engine speed sender, coolant temperature sender	2/4
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	2/5
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	2/6
- Simos control unit, knock sensor I, camshaft position sender	2/7
- Simos control unit, throttle valve control unit, Simos power supply relay	2/8
- Simos control unit, Oil level/oil temperature sender, Ignition system	2/9
- Fuel pump relay, fuse holder	2/10
- 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	2/11

Current Flow Diagrams	No.
● 1.4 I - Simos 3 PB/44 kW, engine code AZE, from August 2002 up to October 2002	3/1
● 1.4 I - Simos 3 PB/50 kW, engine code AME, from August 2002 up to October 2002	3/1
- Starter, alternator, radiator fan, fuse holder on battery	3/2
- Simos control unit, injectors, engine speed sender, coolant temperature sender	3/3
- Simos control unit, lambda probe, intake manifold pressure and intake manifold temperature sender, activated charcoal filter system solenoid valve	3/4
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	3/5
- Simos control unit, knock sensor I, camshaft position sender	3/6
- Simos control unit, throttle valve control unit, ignition system	3/7
- Fuel pump relay, fuse holder	3/8
- 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	3/9
Current Flow Diagrams	No.
● 1.4 I - Simos 3 PA/44 kW, engine code AZF, from August 2002 up to October 2002	4/1
● 1.4 I - Simos 3 PA/50 kW, engine code AQW, from August 2002 up to October 2002	4/1
- Starter, alternator, radiator fan, fuse holder on battery	4/2
- Simos control unit, injectors, engine speed sender, coolant temperature sender	4/3
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	4/4
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	4/5
- Simos control unit, knock sensor I, camshaft position sender	4/6
- Simos control unit, throttle valve control unit, ignition system	4/7
- Fuel pump relay, fuse holder	4/8
- 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	4/9
Current Flow Diagrams	No.
● 1.4 I - 4MV/55 kW, engine code BBY, from August 2002 up to October 2002	5/1
● 1.4 I - 4MV/74 kW, engine code BBZ, from August 2002 up to October 2002	5/1
- Starter, alternator, radiator fan, fuse holder on battery	5/2
- 4MV control unit, injectors, engine speed sender, coolant temperature sender, exhaust gas recirculation valve, exhaust gas recirculation potentiometer	5/3
- 4MV control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure and intake manifold temperature sender, actuated charcoal filter system solenoid valve	5/4
- 4MV control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	5/5
- 4MV control unit, knock sensor I, camshaft position sender	5/6
- 4MV control unit, throttle valve control unit	5/7
- 4MV control unit, ignition system	5/8
- Fuse holder	5/9
- Fuel pump relay, fuel feed relay	5/10
- 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	5/11

Current Flow Diagrams	No.
● 2.0 I - Motronic/85 kW), engine code AZL, from August 2002 up to October 2002	6/1
- Starter, alternator, fuse holder on battery	6/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	6/3
- Motronic control unit, injectors, engine speed sender, coolant temperature sender	6/4
- 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	6/5
- Motronic control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	6/6
- Motronic control unit, knock sensor I, knock sensor II, camshaft position sender	6/7
- Motronic control unit, throttle valve control unit, secondary air pump motor	6/8
- Motronic control unit, ignition system, secondary air pump relay	6/9
- Fuse holder	6/10
- Fuel pump relay, fuel feed relay	6/11
- 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	6/12

Current Flow Diagrams	No.
● 1.9 I - SDI/47 kW, engine code ASY, from August 2002 up to October 2002	7/1
- Starter, alternator, radiator fan, fuse holder on battery	7/2
- Diesel direct injection system control unit, glow plug relay, glow plugs, EGR valve	7/3
- Diesel direct injection system control unit, accelerator pedal position sender, intake manifold temperature sender, brake pedal switch, clutch pedal switch	7/4
- Diesel direct injection system control unit, fuel temperature sender, modulating piston movement sender, quantity positioner	7/5
- Diesel direct injection system control unit, Engine speed sender, Coolant temperature sender, Needle lift sender, Intake manifold flap motor	7/6
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	7/7
- Diesel direct injection system relay, fuse holder	7/8
- Dash Panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Fuel gauge sender, Speedometer sender, Fuel gauge, Speedometer, Odometer display	7/9

Current Flow Diagrams	No.
● 1.9 I - TDI with unit injector/74 kW, engine identification characters ATD, from August 2002 up to October 2002	8/1
- Starter, alternator, fuse holder on battery	8/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	8/3
- Diesel direct injection system control unit, glow plug relay, glow plugs	8/4
- Diesel direct injection system control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	8/5
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	8/6
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	8/7
- Diesel direct injection system control unit, unit injectors	8/8
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	8/9
- Fuel pump relay, diesel direct injection system relay, fuse holder	8/10
- 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	8/11

Current Flow Diagrams	No.
● 1.2 I - Simos 3 Unit Injection/40 kW, engine code AWY, from November 2002	48/1
- Starter, alternator, fuse holder on battery, radiator fan (models without trailer coupling)	48/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan, (models with trailer coupling)	48/3
- Simos control unit, injectors, engine speed sender, coolant temperature sender	48/4
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	48/5
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	48/6
- Simos control unit, knock sensor I, camshaft position sender	48/7
- Simos control unit, throttle valve control unit, Simos power supply relay	48/8
- Simos control unit, Oil level/oil temperature sender, Ignition system	48/9
- Fuel pump relay, fuse holder	48/10
- 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	48/11

Current Flow Diagrams	No.
● 1.4 I - Simos 3 PB/44 kW, engine code AZE, from August 2002 up to October 2003	49/1
● 1.4 I - Simos 3 PB/50 kW, engine code AME, from August 2002 up to October 2003	49/1
- Starter, alternator, radiator fan, fuse holder on battery	49/2
- Simos control unit, injectors, engine speed sender, coolant temperature sender	49/3
- Simos control unit, Lambda probe, Intake manifold pressure and intake manifold temperature sender, Activated charcoal filter system solenoid valve	49/4
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	49/5
- Simos control unit, knock sensor I, camshaft position sender	49/6
- Simos control unit, throttle valve control unit, ignition system	49/7
- Fuel pump relay, fuse holder	49/8
- 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	49/9

Current Flow Diagrams	No.
● 1.4 I - Simos 3 PA/44 kW, engine code AZF, from November 2002 up to October 2003	50/1
● 1.4 I - Simos 3 PA/50 kW, engine code AQW, from November 2002 up to October 2003	50/1
- Starter, alternator, radiator fan, fuse holder on battery	50/2
- Simos control unit, injectors, engine speed sender, coolant temperature sender	50/3
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	50/4
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	50/5
- Simos control unit, knock sensor I, camshaft position sender	50/6
- Simos control unit, throttle valve control unit, ignition system	50/7
- Fuel pump relay, fuse holder	50/8
- 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	50/9

Current Flow Diagrams	No.
● 1.4 I - 4MV/55 kW, engine identification letters BBY, form November 2002	51/1
● 1.4 I - 4MV/74 kW, engine identification letters BBZ, from November 2002	51/1
- Starter, alternator, radiator fan, fuse holder on battery	51/2
- 4MV control unit, injectors, engine speed sender, coolant temperature sender, exhaust gas recirculation valve, exhaust gas recirculation potentiometer	51/3
- 4MV control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure and intake manifold temperature sender, actuated charcoal filter system solenoid valve	51/4
- 4MV control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	51/5
- 4MV control unit, knock sensor I, camshaft position sender	51/6
- 4MV control unit, throttle valve control unit	51/7
- 4MV control unit, ignition system	51/8
- Fuse holder	51/9
- Fuel pump relay, fuel feed relay	51/10
- 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	51/11

Current Flow Diagrams	No.
● 2.0 I - Motronic/85 kW, engine identification letters AZL, from November 2002	52/1
- Starter, alternator, fuse holder on battery	52/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	52/3
- Motronic control unit, injectors, engine speed sender, coolant temperature sender	52/4
- Motronic control unit, Lambda probe, Lambda probe after catalytic converter, Air mass meter and intake manifold temperature sender, Activated charcoal filter system solenoid valve	52/5
- Motronic control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	52/6
- Motronic control unit, knock sensor I, knock sensor II, camshaft position sender	52/7
- Motronic control unit, throttle valve control unit, secondary air pump motor	52/8
- Motronic control unit, ignition system, secondary air pump relay	52/9
- Fuse holder	52/10
- Fuel pump relay, fuel feed relay	52/11
- 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	52/12

Current Flow Diagrams	No.
● 1.9 I - SDI/47 kW, engine identification letters ASY, from November 2002	53/1
- Starter, alternator, radiator fan, fuse holder on battery	53/2
- Diesel direct injection system control unit, glow plug relay, glow plugs, EGR valve	53/3
- Diesel direct injection system control unit, accelerator pedal position sender, intake manifold temperature sender, brake pedal switch, clutch pedal switch	53/4
- Diesel direct injection system control unit, fuel temperature sender, modulating piston movement sender, quantity positioner	53/5
- Diesel direct injection system control unit, Engine speed sender, Coolant temperature sender, Needle lift sender, Intake manifold flap motor	53/6
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	53/7
- Diesel direct injection system relay, fuse holder	53/8
- Dash Panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Fuel gauge sender, Speedometer sender, Fuel gauge, Speedometer, Odometer display	53/9

Current Flow Diagrams	No.
● 1.9 I - TDI with Pump nozzle unit/74 kW, engine identification characters ATD, from November 2002	54/1
- Starter, alternator, fuse holder on battery	54/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	54/3
- Diesel direct injection system control unit, glow plug relay, glow plugs	54/4
- Diesel direct injection system control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	54/5
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	54/6
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	54/7
- Diesel direct injection system control unit, unit injectors	54/8
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	54/9
- Fuel pump relay, diesel direct injection system relay, fuse holder	54/10
- 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	54/11

Current Flow Diagrams	No.
● 1.2 I - Simos 3 PB/47 kW, engine code AZQ, from February 2003	58/1
- Starter, alternator, fuse holder on battery, radiator fan (models without trailer coupling)	58/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan, (models with trailer coupling)	58/3
- Simos control unit, injectors, engine speed sender, coolant temperature sender	58/4
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	58/5
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	58/6
- Simos control unit, knock sensor I, camshaft position sender	58/7
- Simos control unit, throttle valve control unit, Simos power supply relay	58/8
- Simos control unit, exhaust gas recirculation valve, exhaust gas recirculation potentiometer, oil level/oil temperature sender, ignition system	58/9
- Fuse holder	58/10
- Fuel pump relay, fuel feed relay	58/11
- 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	58/12

Current Flow Diagrams	No.
● 1.4 I - TDI with unit injector/55 kW, engine identification characters AMF, from May 2003	59/1
- Starter, alternator, radiator fan, fuse holder on battery	59/2
- Diesel direct injection system control unit, glow plug relay, glow plugs	59/3
- Control unit for Diesel direct injection system, Accelerator pedal position sender, Brake pedal switch, Clutch pedal switch, Oil level/oil temperature sender	59/4
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	59/5
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	59/6
- Diesel direct injection system control unit, unit injectors	59/7
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	59/8
- Fuel pump relay, diesel direct injection system relay, fuse holder	59/9
- 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	59/10

Current Flow Diagrams	No.
● 1.9 I - TDI with unit injector/96 kW, engine identification characters ASZ, from June 2003	60/1
- Starter, alternator, fuse holder on battery	60/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	60/3
- Diesel direct injection system control unit, glow plug relay, glow plugs	60/4
- Diesel direct injection system control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	60/5
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	60/6
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	60/7
- Control unit for Diesel direct injection system, Unit injector valves, Oil level/oil temperature sender	60/8
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	60/9
- Fuel pump relay, diesel direct injection system relay, fuse holder	60/10
- Dash Panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Fuel gauge sender, Fuel pump, Fuel gauge, Speedometer sender, Odometer display	60/11

Current Flow Diagrams	No.
● Air conditioning, from August 2002	32/1
● Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS), electronic stabilisation program (ESP), from August 2002	12/1
● Antilock brake system (ABS) Antilock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS), from August 2002	11/1
● Anti-theft alarm system, from August 2002	24/1
● Automatic gearbox, from August 2002	17/1
● Bulb failure indicator, from August 2002	29/1
● CAN databus networking - Drive, from August 2002	46/1
● CAN-Bus Networking - Convenience, from August 2002	47/1
● Central locking Door warning lamps, from November 2002	55/1
● Central locking Door warning lamps, from August 2002 up to October 2002	18/1
● Cruise control system, from August 2002	22/1
● Daytime running lights- gas discharge lights, from August 2002	27/1
● Daytime running lights, from August 2002 (does not apply to models with gas discharge lights)	26/1
● Driver and Front passenger airbag, from August 2002	13/1
(Without deactivation of the front passenger airbag)	
● Driver and Front passenger airbag, from August 2002	14/1
(With deactivation of the front passenger airbag)	
● Electric sliding roof, from August 2002	30/1
● Fog light, from November 2002	56/1
● Fog light, from August 2002 up to October 2002	28/1
● Front and rear power windows Heated and adjustable exterior mirrors, from August 2002	20/1
● Front power windows Heated and adjustable exterior mirrors, from August 2002	19/1
● Gas discharge lights, from August 2002	25/1
● Headlight range control for vehicles Junior and Classic, from August 2002	43/1
● Headlight washer system, from August 2002	38/1
● Heated and adjustable exterior mirrors (without power windows), from August 2002	21/1
● Heated seats, from August 2002	31/1
● Heated washer nozzles, from August 2002	39/1

Current Flow Diagrams	No.
● Luggage compartment light - Praktik, from August 2002	44/1
● Mobile telephone preinstallation, from August 2002	36/1
● Multifunction display (MFD), from August 2002	23/1
● Navigation system with CD changer, from August 2002	35/1
● Parking aid, from August 2002	41/1
● Power assisted steering (KOYO), from August 2002	10/1
● Power assisted steering (TRW), from August 2002	9/1
● Radio system with CD changer, from August 2002	34/1
● Radio system, from August 2002	33/1
● Rear reading lights, from November 2002	57/1
● Rear reading lights, from August 2002 up to October 2002	42/1
● Side airbag, from August 2002	15/1
(Without deactivation of the front passenger airbag)	
● Side airbag, from August 2002	16/1
(With deactivation of the front passenger airbag)	
● Telephone preinstallation 2 - Cullmann, from August 2002	37/1
● Trailer coupling, from August 2002	40/1
● Windscreen wiper motor for 1.4 I/50 kW with Cruise control system without ABS, from August 2002 up to April 2003	45/1

Model Year 2004

Fitting Locations

No.

● Fuse holder, fuse holder on battery, relay holder	1/1
● Multi-pin connectors	2/1
● Earth points	3/1

Fault Finding Programmes

No.

Note: Measures for rectifying current faults of specific models see „Technical Service Handbook“.

● Battery discharges by itself	1/1
● Starter does not rotate	2/1
● Windscreen wiper system faulty	3/1
● Windscreen washer system faulty	4/1
● Wiper intermittent operation faulty	5/1
● Testing rear window wiper	6/1
● Heated rear window does not operate	7/1
● Testing fresh air blower	8/1
● Testing fresh and recirculated air flap positioning motor	9/1
● Testing heater element for additional heater (PTC) -Z35-	10/1
● Electrically adjustable and heated exterior mirrors (without power windows)	11/1
● Testing electric sliding roof	12/1
● Testing seat heater	13/1
● Testing headlight washer system	14/1
● Testing light failure indicator	15/1

Current Flow Diagrams	No.
● Basic equipment - FABIA, from August 2003	61/1
- Battery, fuse holder on battery	61/2
- Ignition/starter switch, fuse holder	61/3
- Relief relay for X contact, fuse holder on battery	61/4
- Light switch	61/5
- Headlight dipper/flasher switch, Headlight, Fuse holder (not valid for vehicles with gas discharge lamps)	61/6
- Turn signal light switch, parking light switch, hazard warning light pushbutton, side turn signal light	61/7
- Lighting rheostat - switches and instruments, headlamp beam control adjuster, headlamp beam control, headlamp beam control adjuster, fuse holder (does not apply to models with gas discharge bulbs)	61/8
- Brake light switch, left tail light, fuse holder	61/9
- Right tail light, centre high-mounted brake light, licence plate light	61/10
- Glove box light, luggage compartment light	61/11
- Windshield wiper and rear window wiper switch, windshield wiper motor (not applicable to Notchback)	61/12
- Windshield wiper and rear window wiper switch, windshield wiper motor (applicable only to Notchback)	61/13
- Rear window wiper motor, windscreen and rear window washer pump	61/14
- Button for heated rear window, heated rear window	61/15
- Heating	61/16
- Front interior light, door contact switch (does not apply to models with central locking)	61/17
- Horn	61/18
- Socket, cigarette lighter, ashtray illumination, glove box light, fuse holder	61/19
- Reversing lights switch, luggage compartment socket, fuse holder	61/20
- Dash panel insert, control unit in dash panel insert, warning lights, digital clock	61/21
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Coolant temperature gauge, Rev. Counter, Driver side belt switch	61/22
- Immobiliser, dash panel insert, control unit in dash panel insert, warning lights, buzzer/gong	61/23
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Handbrake warning switch, Brake fluid level warning contact, Coolant shortage indicator sender, Windscreen washer fluid level sender	61/24
- Dash panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Brake lining/pad wear sender	61/25
- Plug connection for radio or navigation system control unit, plug connection for diagnostic socket, databus diagnostic interface (Gateway)	61/26

Current Flow Diagrams	No.
● 1.2 I - Simos 3 Unit Injection/40 kW, engine code AWY, from August 2003	62/1
- Starter, alternator, fuse holder on battery, radiator fan (models without trailer coupling)	62/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan, (models with trailer coupling)	62/3
- Simos control unit, injectors, engine speed sender, coolant temperature sender	62/4
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender , activated charcoal filter system solenoid valve	62/5
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	62/6
- Simos control unit, knock sensor I, camshaft position sender	62/7
- Simos control unit, throttle valve control unit, Simos power supply relay	62/8
- Simos control unit, Oil level/oil temperature sender, Ignition system	62/9
- Fuel pump relay, fuse holder	62/10
- 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	62/11

Current Flow Diagrams	No.
● 1.2 I - Simos 3 PB/47 kW, engine code AZQ, from August 2003	58/1
- Starter, alternator, fuse holder on battery, radiator fan (models without trailer coupling)	58/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan, (models with trailer coupling)	58/3
- Simos control unit, injectors, engine speed sender, coolant temperature sender	58/4
- Simos control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure intake manifold temperature sender, activated charcoal filter system solenoid valve	58/5
- Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	58/6
- Simos control unit, knock sensor I, camshaft position sender	58/7
- Simos control unit, throttle valve control unit, Simos power supply relay	58/8
- Simos control unit, exhaust gas recirculation valve, exhaust gas recirculation potentiometer, oil level/oil temperature sender, ignition system	58/9
- Fuse holder	58/10
- Fuel pump relay, fuel feed relay	58/11
- 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	58/12

Current Flow Diagrams	No.
● 1.4 I - 4MV/55 kW, engine identification letters BBY, form August 2003	63/1
● 1.4 I - 4MV/74 kW, engine identification letters BBZ, form August 2003	63/1
- Starter, alternator, radiator fan, fuse holder on battery	63/2
- 4MV control unit, injectors, engine speed sender, coolant temperature sender, exhaust gas recirculation valve, exhaust gas recirculation potentiometer	63/3
- 4MV control unit, lambda probe, lambda probe downstream of catalytic converter, intake manifold pressure and intake manifold temperature sender, actuated charcoal filter system solenoid valve	63/4
- 4MV control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	63/5
- 4MV control unit, knock sensor I, camshaft position sender	63/6
- 4MV control unit, throttle valve control unit	63/7
- 4MV control unit, Ignition system, Oil level/oil temperature sender	63/8
- Fuse holder	63/9
- Fuel pump relay, fuel feed relay	63/10
- 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	63/11

Current Flow Diagrams	No.
● 2.0 I - Motronic/85 kW, engine identification letters AZL, from August 2003	64/1
- Starter, alternator, fuse holder on battery	64/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	64/3
- Motronic control unit, Injectors, Engine speed sender, Coolant temperature sender, Oil level/oil temperature sender	64/4
- Motronic control unit, Lambda probe, Lambda probe after catalytic converter, Air mass meter and intake manifold temperature sender, Activated charcoal filter system solenoid valve	64/5
- Motronic control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	64/6
- Motronic control unit, knock sensor I, knock sensor II, camshaft position sender	64/7
- Motronic control unit, throttle valve control unit, secondary air pump motor	64/8
- Motronic control unit, ignition system, secondary air pump relay	64/9
- Fuse holder	64/10
- Fuel pump relay, fuel feed relay	64/11
- 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	64/12

Current Flow Diagrams	No.
● 1.4 I - TDI with unit injector/55 kW, engine identification characters AMF, from August 2003	59/1
- Starter, alternator, radiator fan, fuse holder on battery	59/2
- Diesel direct injection system control unit, glow plug relay, glow plugs	59/3
- Control unit for Diesel direct injection system, Accelerator pedal position sender, Brake pedal switch, Clutch pedal switch, Oil level/oil temperature sender	59/4
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	59/5
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	59/6
- Diesel direct injection system control unit, unit injectors	59/7
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	59/8
- Fuel pump relay, diesel direct injection system relay, fuse holder	59/9
- 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	59/10

Current Flow Diagrams	No.
● 1.9 I - SDI/47 kW, engine identification letters ASY, from August 2003	65/1
- Starter, alternator, radiator fan, fuse holder on battery	65/2
- Diesel direct injection system control unit, glow plug relay, glow plugs, EGR valve	65/3
- Diesel direct injection system control unit, accelerator pedal position sender, intake manifold temperature sender, brake pedal switch, clutch pedal switch	65/4
- Diesel direct injection system control unit, fuel temperature sender, modulating piston movement sender, quantity positioner	65/5
- Diesel direct injection system control unit, engine speed sender, coolant temperature sender, needle motion sender	65/6
- Diesel direct injection system control unit, Intake manifold flap motor, Oil level/oil temperature sender	65/7
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	65/8
- Diesel direct injection system relay, fuse holder	65/9
- Dash Panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Fuel gauge sender, Speedometer sender, Fuel gauge, Speedometer, Odometer display	65/10

Current Flow Diagrams	No.
● 1.9I - TDI with unit injection system/74 kW, engine code ATD, from August 2003	66/1
- Starter, alternator, fuse holder on battery	66/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	66/3
- Diesel direct injection system control unit, glow plug relay, glow plugs	66/4
- Control unit for Diesel direct injection system, Accelerator pedal position sender, Brake pedal switch, Clutch pedal switch, Oil level/oil temperature sender	66/5
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	66/6
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	66/7
- Diesel direct injection system control unit, unit injectors	66/8
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	66/9
- Fuel pump relay, diesel direct injection system relay, fuse holder	66/10
- 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	66/11

Current Flow Diagrams

No.

● 1.9 I - TDI with unit injector/96 kW, engine identification characters ASZ, from August 2003	60/1
- Starter, alternator, fuse holder on battery	60/2
- Radiator fan control unit, radiator fan thermoswitch, radiator fan	60/3
- Diesel direct injection system control unit, glow plug relay, glow plugs	60/4
- Diesel direct injection system control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch	60/5
- Control unit for Diesel direct injection system, Coolant temperature sender, Fuel temperature sender, Exhaust gas recirculation valve, Charge pressure control solenoid valve, Variable intake manifold flap change-over valve	60/6
- Diesel direct injection system control unit, engine speed sender, camshaft position sender, air mass meter, intake manifold pressure and intake manifold temperature sender	60/7
- Control unit for Diesel direct injection system, Unit injector valves, Oil level/oil temperature sender	60/8
- Low heating capacity relay, high heating capacity relay, additional heater heating element (PTC), additional fuse holder	60/9
- Fuel pump relay, diesel direct injection system relay, fuse holder	60/10
- Dash Panel insert, Control unit in dash panel insert, Warning lamps, Oil pressure switch, Fuel gauge sender, Fuel pump, Fuel gauge, Speedometer sender, Odometer display	60/11

Current Flow Diagrams	No.
● Trailer coupling, from August 2002	40/1
● Antilock brake system (ABS) Antilock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS), from August 2003	67/1
● Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS), electronic stabilisation program (ESP), from August 2003	68/1
● Heated and adjustable exterior mirrors (without power windows), from August 2002	21/1
● Automatic gearbox, from August 2002	17/1
● Heated washer nozzles, from August 2002	39/1
● CAN databus networking - Drive, from August 2002	46/1
● CAN-Bus Networking - Convenience, from August 2003	73/1
● Anti-theft alarm system, from August 2002	24/1
● Parking aid, from August 2002	41/1
● Front power windows Heated and adjustable exterior mirrors, from August 2002	19/1
● Front and rear power windows Heated and adjustable exterior mirrors, from August 2002	20/1
● Electric sliding roof, from August 2002	30/1
● Driver and Front passenger airbag, from August 2002	13/1
(Without deactivation of the front passenger airbag)	
● Driver and Front passenger airbag, from August 2002	14/1
(With deactivation of the front passenger airbag)	
● Gas discharge lights, from August 2002	25/1
● Cruise control system, from August 2002	22/1
● Air conditioning, from August 2003	69/1
● Luggage compartment light - Praktik, from August 2002	44/1
● Bulb failure indicator, from August 2002	29/1
● Inspection of the rear seat backrest lock, as of August 2003	75/1
● Rear reading lights, from August 2003	74/1
● Headlight range control for vehicles Junior and Classic, from August 2002	43/1
● Multifunction display (MFD), from August 2002	23/1
● Navigation system with CD changer, from August 2003	72/1
● Fog light, from November 2002	56/1

Current Flow Diagrams	No.
● Radio system, from August 2003	70/1
● Radio system with CD changer, from August 2003	71/1
● Side airbag, from August 2002	15/1
(Without deactivation of the front passenger airbag)	
● Side airbag, from August 2002	16/1
(With deactivation of the front passenger airbag)	
● Power assisted steering (KOYO), from August 2002	10/1
● Power assisted steering (TRW), from August 2002	9/1
● Headlight washer system, from August 2002	38/1
● Heated seats, from August 2002	31/1
● Daytime running lights, from August 2002	
(does not apply to models with gas discharge lights)	26/1
● Daytime running lights- gas discharge lights, from August 2002	27/1
● Mobile telephone preinstallation, from August 2002	36/1
● Telephone preinstallation 2 - Cullmann, from August 2002	37/1
● Central locking	
Door warning lamps, from November 2002	55/1

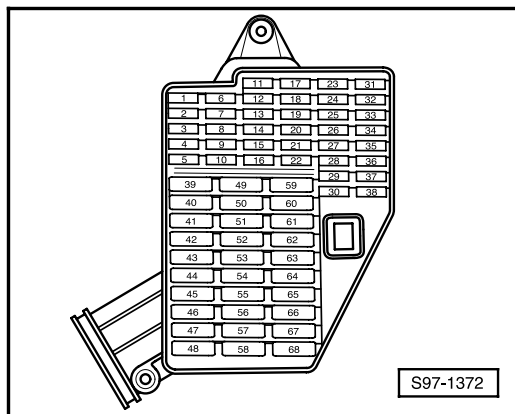
List of Current Flow Diagrams, Fault Finding Programmes and Fitting Locations published so far

Current Flow Diagram No.	Fault Finding Programme No.	Fitting Locations No.	Published under Article No.
1 - 60	1 - 15	1 - 3	S00.5324.00.20
61 - 75	-	-	S00.5324.01.20

Please always quote the Article No. when ordering Current Flow Diagrams, Fault Finding Programmes and Fitting Locations.

Base equipment - FABIA, from August 2002

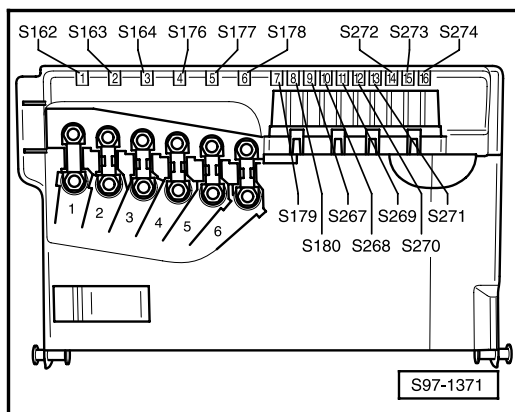
Fuse holder:



Fuse colours

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

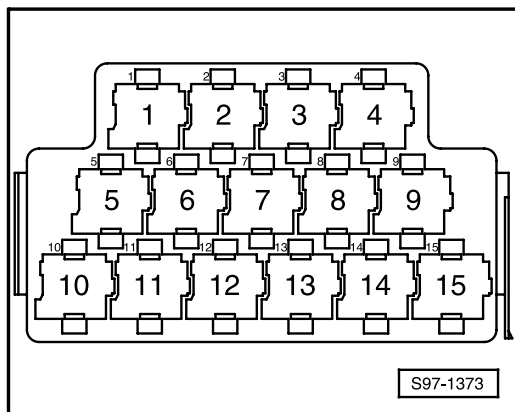
Fuse holder on battery:



Fuse colours

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

Relay holder:



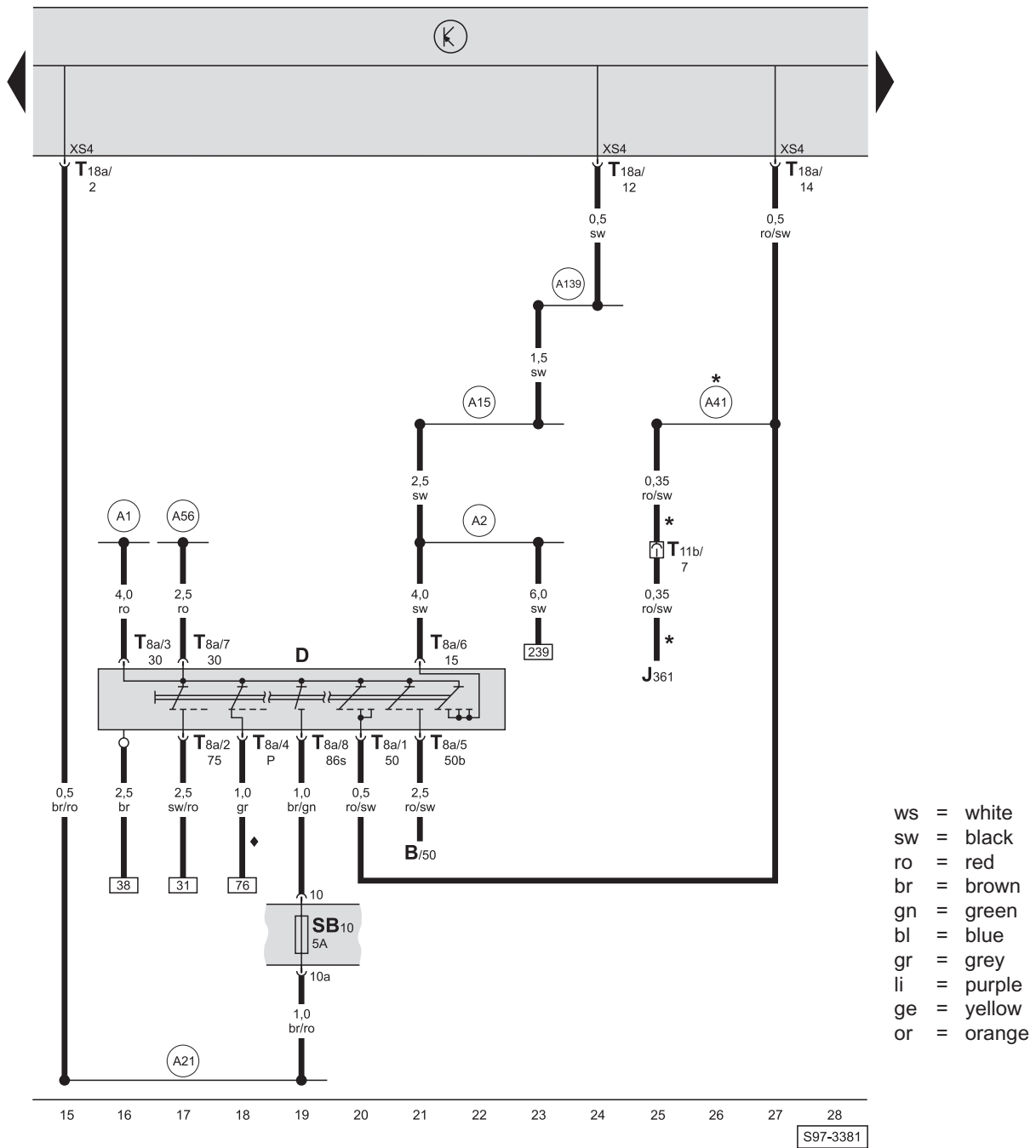
Relay position assignment

- 11** - X contact relief relay

[illegible]

- 11 - Earth point, in left of engine compartment, behind battery (at suspension strut mounting)
- 12 - Earth point, in left of engine compartment, below battery (at side member)
- 14 - Earth point, on gearbox
- A1 - Positive connection (30a), in wiring loom behind dash panel
- A32 - Positive connection (30a), in wiring loom behind dash panel on left
- A56 - Positive connection (30a), in wiring loom 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)
- P1 - Positive connection (30), in fuse holder on battery
- * - Applies only to models with heating element (PTC)

Ignition/starter switch, fuse holder

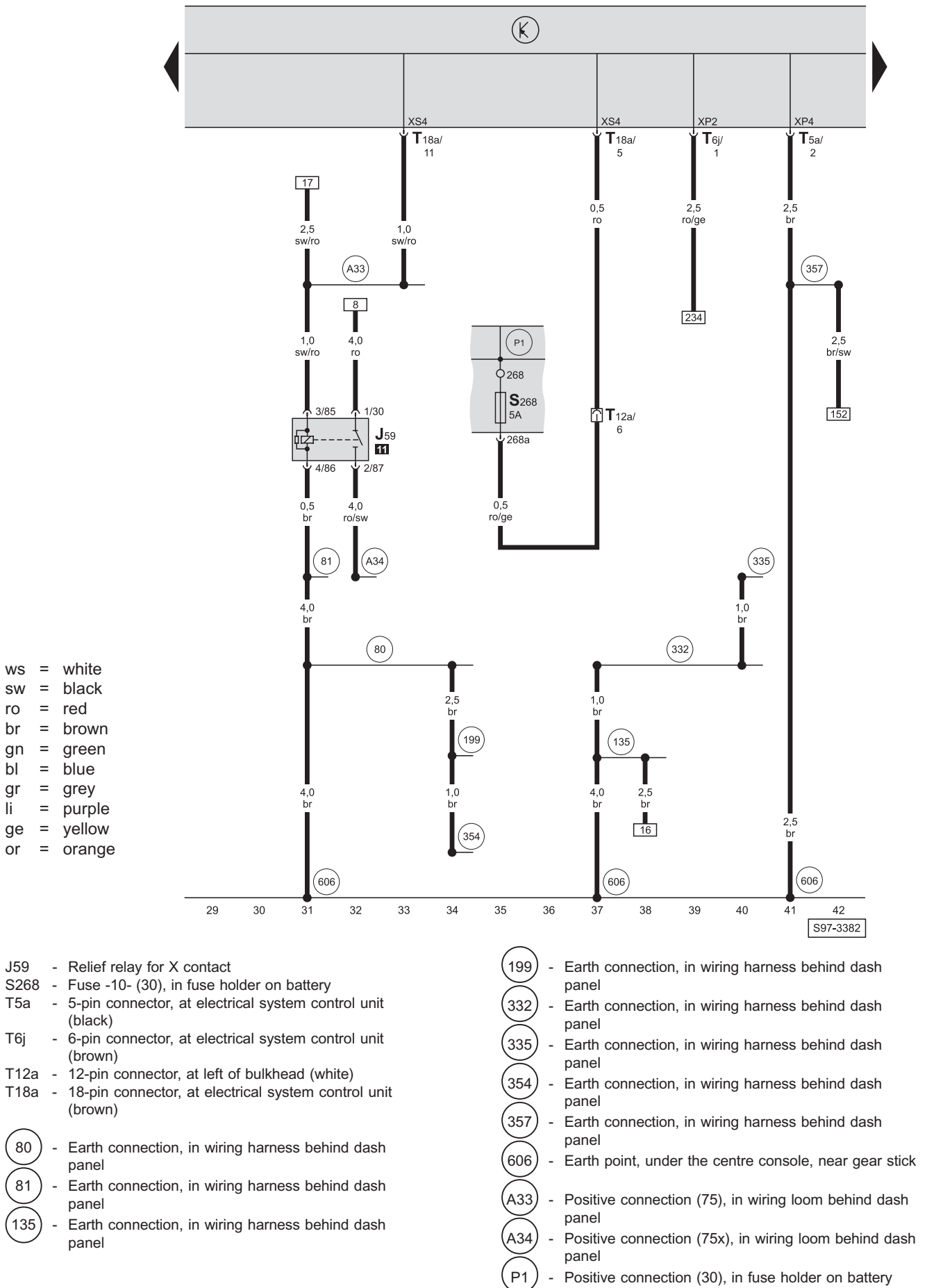


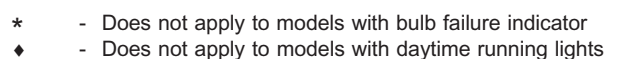
- B - Starter
D - Ignition/starter switch
J361 - Simos control unit
T8a - 8-pin connector, at ignition/starter switch
T11b - 11-pin connector, at left of bulkhead (red)
T18a - 18-pin connector, at electrical system control unit (brown)

- A1 - Positive connection (30a), in wiring loom behind dash panel
A2 - Positive connection (15), in wiring loom behind dash panel
A15 - Positive connection (15), in wiring loom behind dash panel
A21 - Positive connection (86s), in wiring loom behind dash panel
A41 - Positive connection (50), in wiring loom behind dash panel
A56 - Positive connection (30a), in wiring loom behind dash panel
A139 - Positive connection (15), in wiring loom behind dash panel

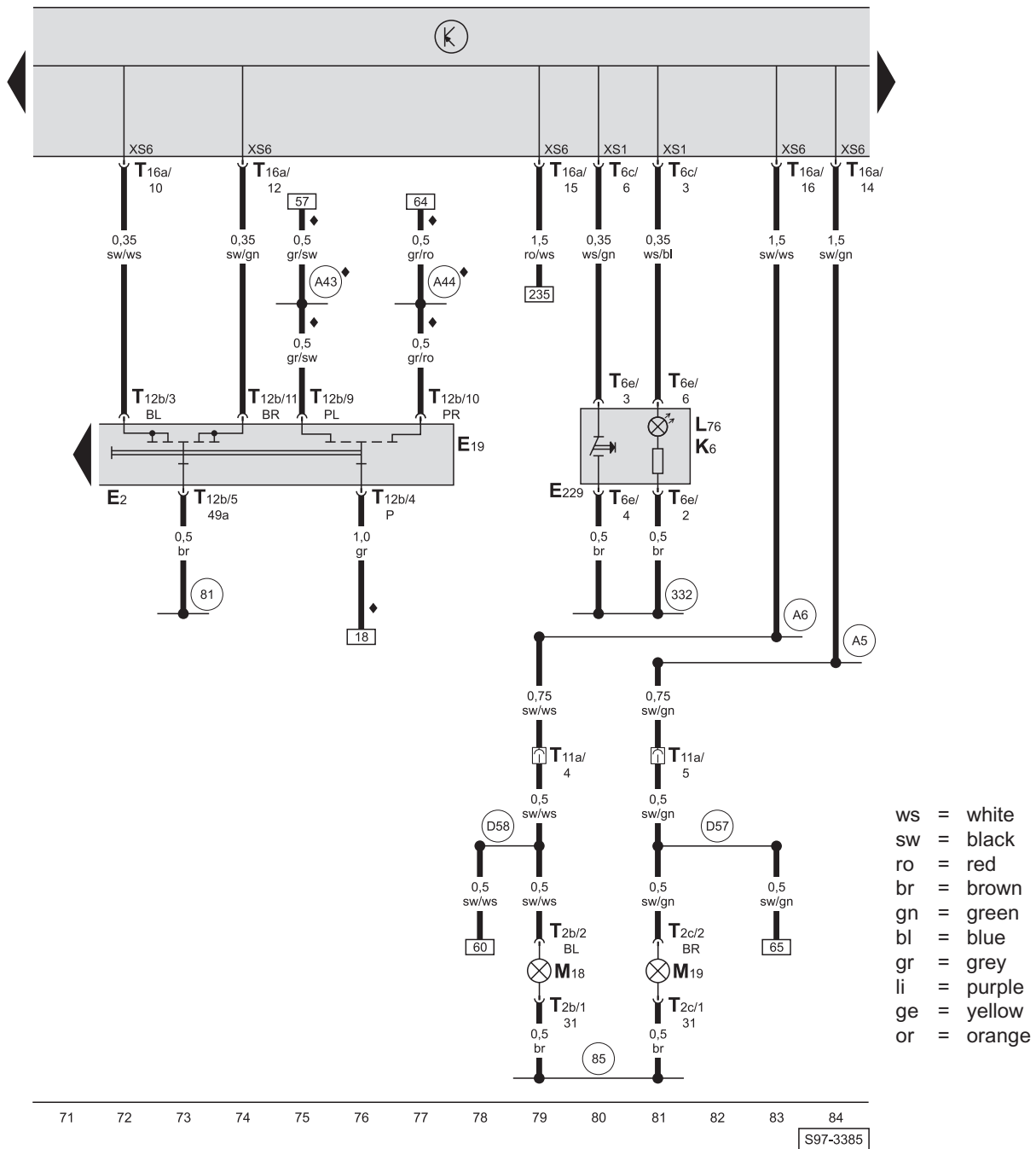
- * - applies only to engine codes AZQ
♦ - Does not apply to models with daytime running lights

Relief relay for X contact, fuse holder on battery





Turn signal light switch, parking light switch, hazard warning light pushbutton, side turn signal light

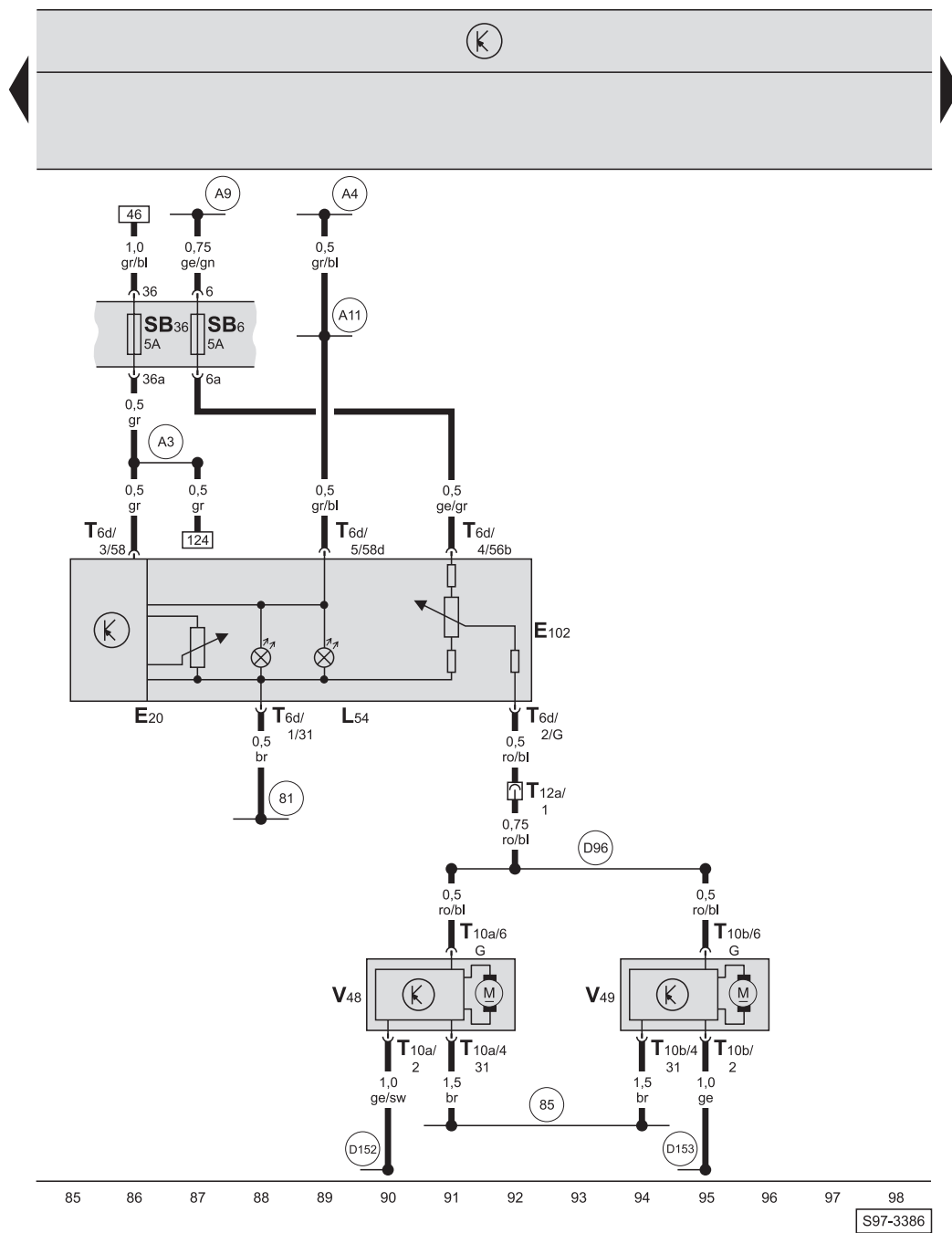


- E2 - Turn signal switch
- E19 - Parking light switch
- E229 - Button for hazard warning lights
- K6 - Hazard warning light system warning lamp
- L76 - Switch/button illumination
- M18 - Side turn signal bulb, left
- M19 - Side turn signal bulb, right
- T2b - 2-pin connector, at left side turn signal light
- T2c - 2-pin connector, at right side turn signal light
- T6c - 6-pin connector, at electrical system control unit (black)
- T6e - 6-pin connector, at hazard warning light pushbutton
- T11a - 11-pin connector, at left of bulkhead (white)
- T12b - 12-pin connector, at turn signal light switch
- T16a - 16-pin connector, at electrical system control unit (black)

- 81 - Earth connection, in wiring harness behind dash panel
- 85 - Earth connection -1-, in wiring loom in left of engine compartment
- 332 - Earth connection, in wiring harness behind dash panel
- A5 - Positive connection (right turn signal light), in wiring loom behind dash panel
- A6 - Positive connection (left turn signal light), in wiring loom behind dash panel
- A43 - Connection (57L), in wiring loom behind dash panel
- A44 - Connection (57R), in wiring loom behind dash panel
- D57 - Connection (right turn signal light), in right engine compartment wiring loom
- D58 - Connection (left turn signal light), in left engine compartment wiring loom

♦ - Does not apply to models with daytime running lights

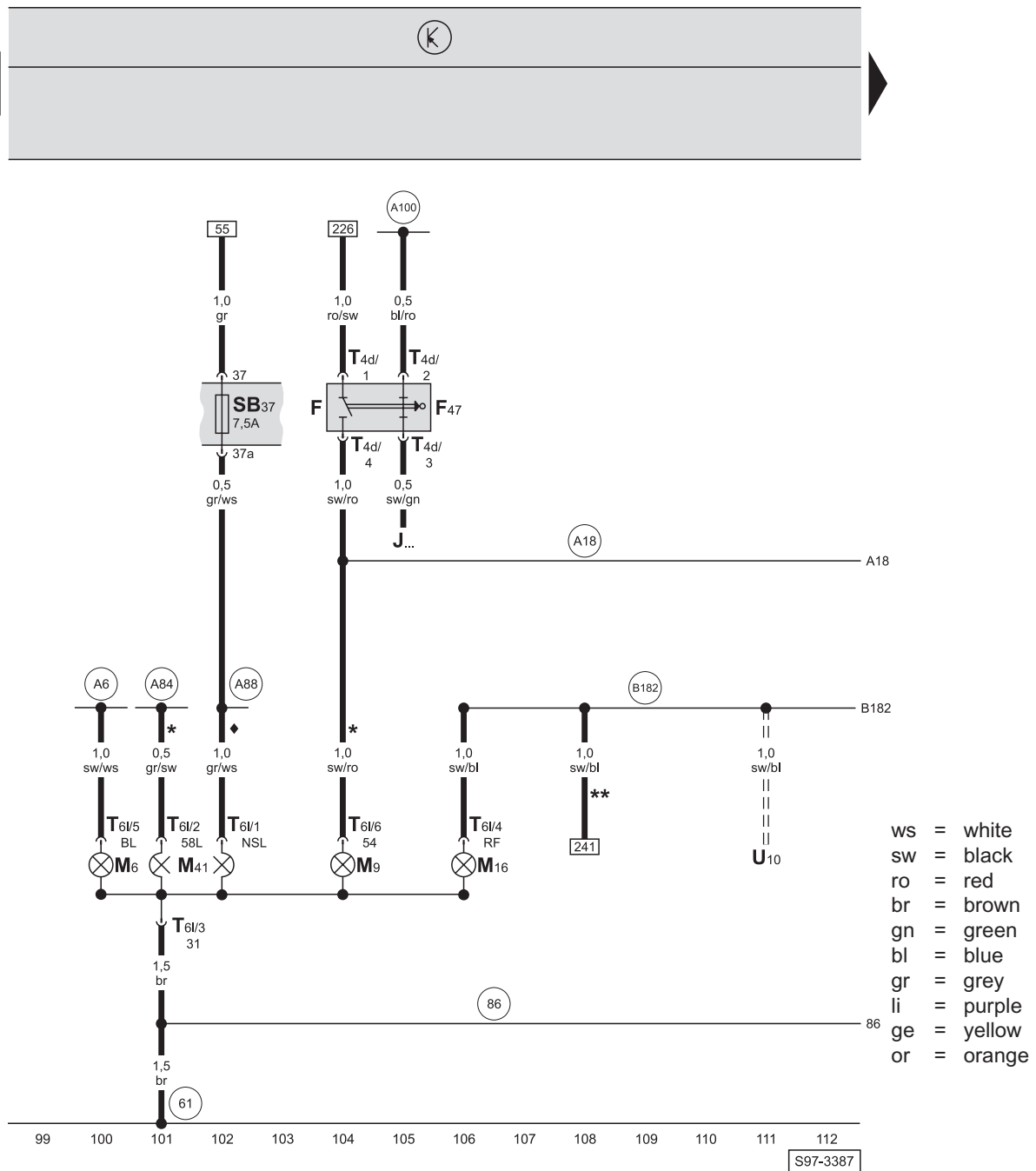
Lighting rheostat - switches and instruments, headlight range control adjuster, headlight range control, headlight range control adjuster, fuse holder (does not apply to models fitted with gas discharge bulbs)



- E20 - Switches and instruments lighting control
- E102 - Headlight range control adjuster
- L54 - Headlight range control regulator illumination
- T6d - 6-pin connector, at lighting control and headlight range control adjuster
- T10a - 10-pin connector, at left headlight
- T10b - 10-pin connector, at right headlight
- T12a - 12-pin connector, at left of bulkhead (white)
- V48 - Headlight range control motor, left
- V49 - Headlight range control motor, right

- 81 - Earth connection, in wiring harness behind dash panel
- 85 - Earth connection -1-, in wiring loom in left of engine compartment
- A3 - Positive connection (58), in wiring loom behind dash panel
- A4 - Positive connection (58b), in wiring loom behind dash panel
- A9 - Connection (56b), in wiring loom behind dash panel
- A11 - Positive connection (58b), in wiring loom behind dash panel
- D96 - Connection (headlight range control), in engine compartment wiring loom
- D152 - Positive connection (56bL), in left engine compartment wiring loom
- D153 - Positive connection (56bR), in right engine compartment wiring loom

Brake light switch, left tail light, fuse holder



- F - Brake light switch
- F47 - Brake pedal switch
- J... - Engine control units
- M6 - Turn signal bulb, rear left
- M9 - Brake light bulb, left
- M16 - Reversing light bulb left
- M41 - Left tail light and rear fog light bulb
- T4d - 4-pin connector, at brake pedal switch
- T6l - 6-pin connector, at left tail light
- U10 - Trailer socket

- 61 - Earth point, C-pillar left

- 86 - Earth connection -1-, in rear interior wiring loom
- A6 - Positive connection (left turn signal light), in wiring loom behind dash panel
- A18 - Connection (54), in wiring loom behind dash panel
- A84 - Connection (58L), in wiring loom behind dash panel
- A88 - Connection (NSL), in wiring loom behind dash panel
- A100 - Connection (87a), in wiring loom behind dash panel
- B182 - Connection (RF), in interior wiring loom

- * - Does not apply to models with bulb failure indicator
- ** - Does not apply to models with automatic gearbox
- ♦ - does not apply to models with trailer coupling
- == - applies only to models with trailer coupling

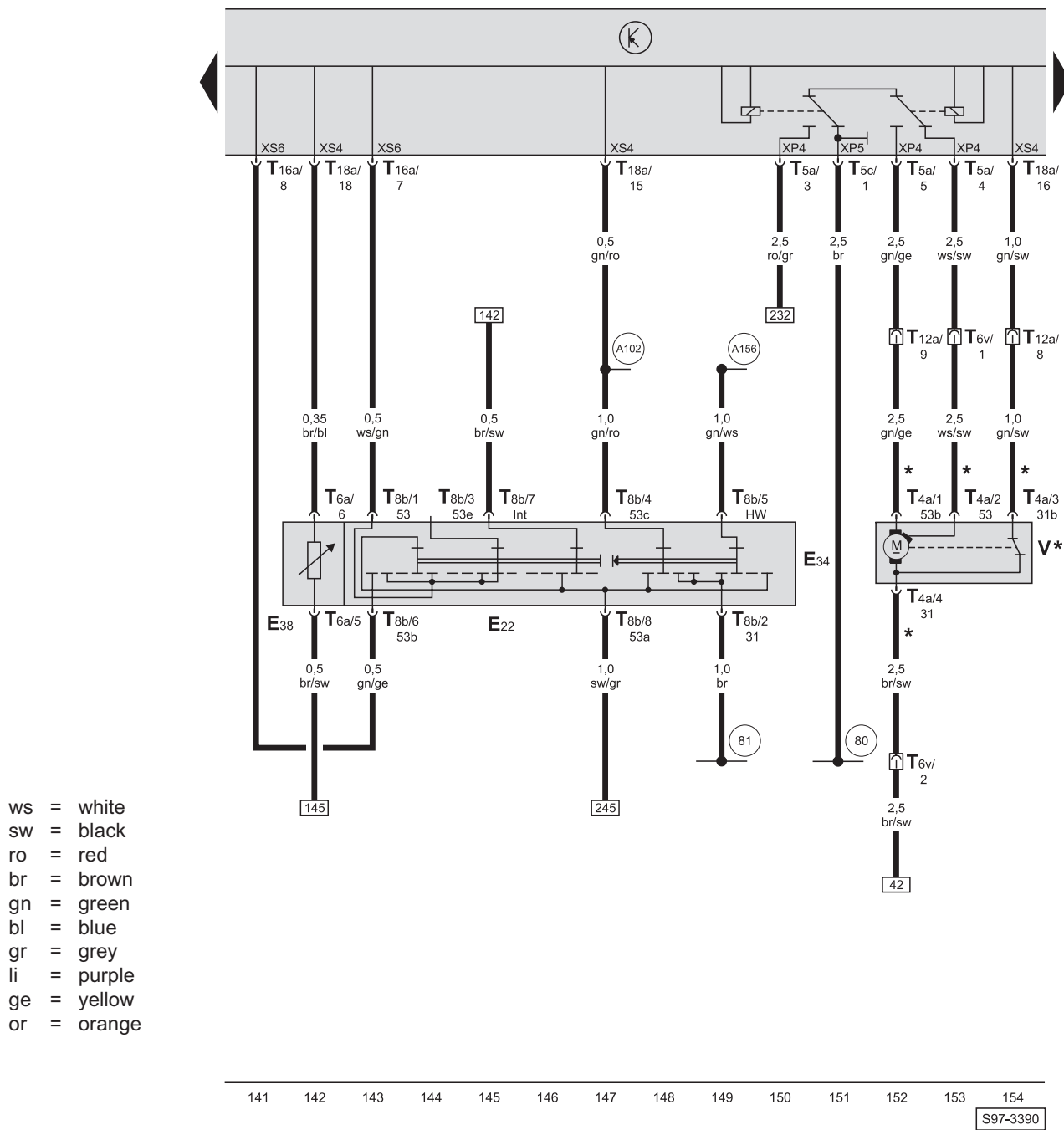
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange

- * - Does not apply to models with bulb failure indicator
- ** - Does not apply to models with automatic gearbox
- ◆ - does not apply to Saloon models
- = = - applies only to Saloon models

The diagram illustrates the electrical distribution system for a building, showing a main horizontal busbar at the top with a meter 'K'. Four vertical distribution lines descend from the busbar. The first line (left) has a switch 'W6' and a terminal 'T2el/1' with a 0.5 ro/sw cable. The second line has a switch 'W3' and a terminal 'T2ol/2' with a 1.0 ro/sw cable. The third line has a switch 'W18' and a terminal 'T2fl/2' with a 1.0 ro/sw cable. The fourth line has a switch 'W35' and a terminal 'T2gl/2' with a 1.0 ro/sw cable. Various other components like switches 'W15', 'W218', 'F5', and terminals 'T5e/5', 'T4c/1', 'T4c/2' are shown. Cable types and sizes are indicated throughout the diagram.

- 98 - Earth connection, in engine compartment wiring harness
 - 335 - Earth connection, in wiring harness behind dash panel
 - A23 - Positive connection (30al), in wiring loom behind dash panel
 - Q22 - Connection -1-, in tailgate wiring loom
 - W15 - Connection -1- (luggage compartment light), in rear wiring loom
-
- * - Applies to tailgate models only with central locking
 - ** - Applies only to Estate
 - ◆ - applies only to Combi models with optional equipment
 - ■ ■ - Applies only to models with optional equipment
 - = = = - applies only to Saloon models

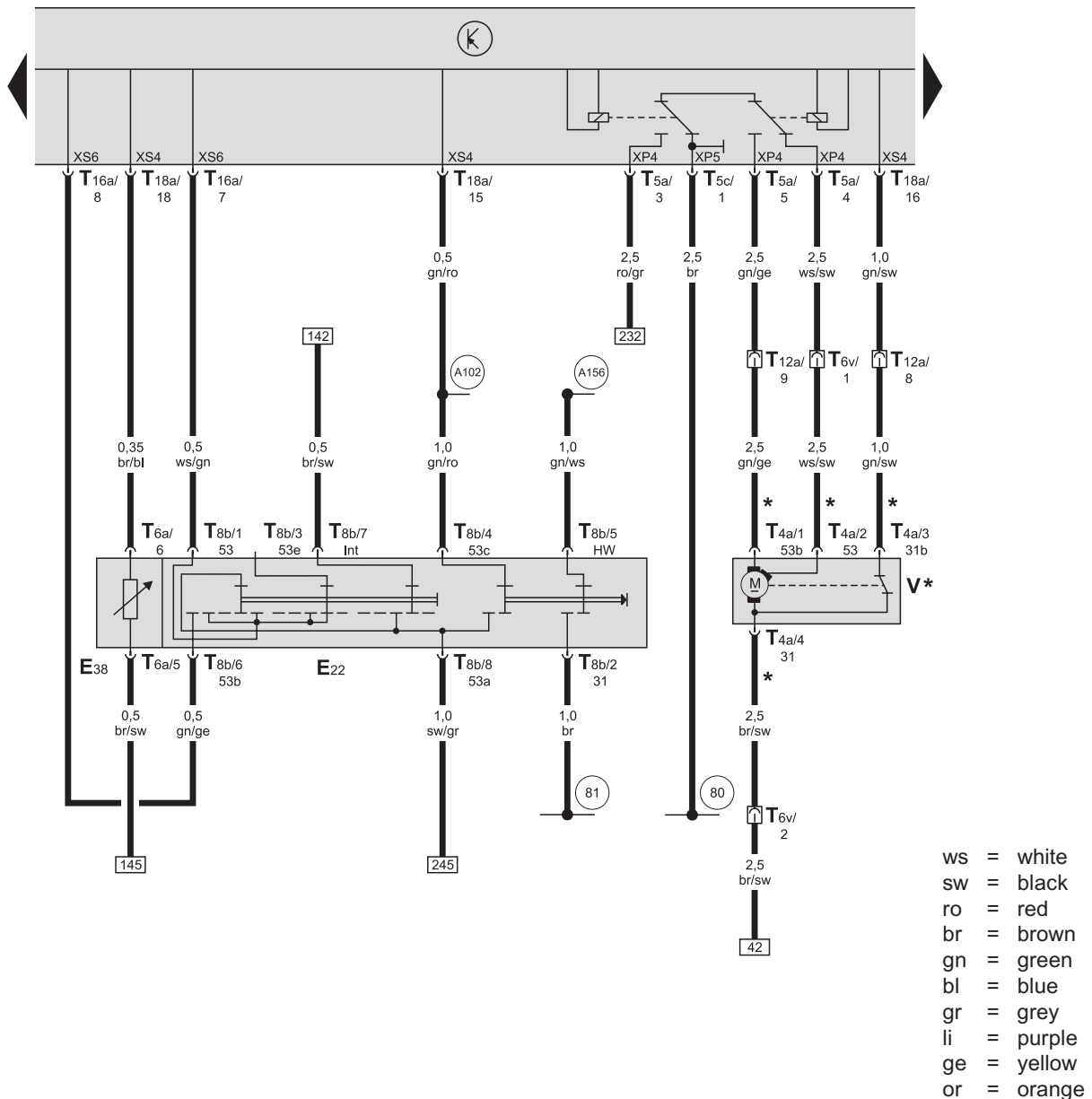
Windshield wiper and rear window wiper switch, windshield wiper motor (does not apply to Notchback models)



- E22 - Intermittent wiper switch
- E34 - Rear wiper switch
- E38 - Intermittent wiper control
- T4a - 4-pin connector, at windscreen wiper motor
- T5a - 5-pin connector, at electrical system control unit (black)
- T5c - 5-pin connector, at electrical system control unit (brown)
- T6a - 6-pin connector, at windscreen wiper intermittent switch
- T6v - 6-pin connector, at left of bulkhead (green)
- T8b - 8-pin connector, at windscreen wiper intermittent switch
- T12a - 12-pin connector, at left of bulkhead (white)
- T16a - 16-pin connector, at electrical system control unit (black)
- T18a - 18-pin connector, at electrical system control unit (brown)
- V - Windscreen wiper motor

- 80 - Earth connection, in wiring harness behind dash panel
- 81 - Earth connection, in wiring harness behind dash panel
- A102 - Connection (wiper), in wiring loom behind dash panel
- A156 - Connection (53c), in wiring loom behind dash panel
- * - does not apply to 1.4/50 kW engine fitted with cruise control system but not fitted with ABS

Windshield wiper and rear window wiper switch, windshield wiper motor (applies only to Notchback models)

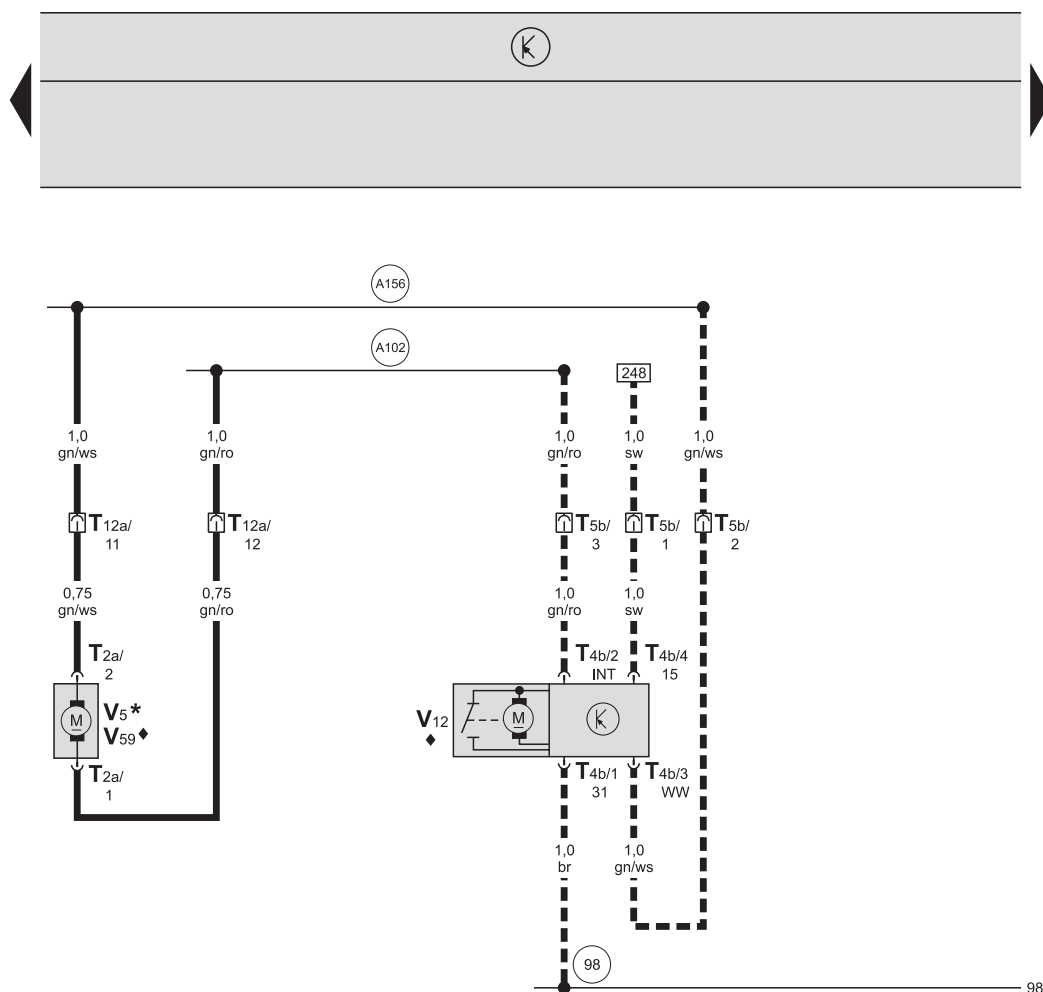


141 142 143 144 145 146 147 148 149 150 151 152 153 154
S97-3391

- E22 - Intermittent wiper switch
E38 - Intermittent wiper control
T4a - 4-pin connector, at windscreen wiper motor
T5a - 5-pin connector, at electrical system control unit (black)
T5c - 5-pin connector, at electrical system control unit (brown)
T6a - 6-pin connector, at windscreen wiper intermittent switch
T6v - 6-pin connector, at left of bulkhead (green)
T8b - 8-pin connector, at windscreen wiper intermittent switch
T12a - 12-pin connector, at left of bulkhead (white)
T16a - 16-pin connector, at electrical system control unit (black)
T18a - 18-pin connector, at electrical system control unit (brown)
V - Windscreen wiper motor

- 80 - Earth connection, in wiring harness behind dash panel
81 - Earth connection, in wiring harness behind dash panel
A102 - Connection (wiper), in wiring loom behind dash panel
A156 - Connection (53c), in wiring loom behind dash panel
* - does not apply to 1.4/50 kW engine fitted with cruise control system but not fitted with ABS

Rear window wiper motor, windscreen and rear window washer pump

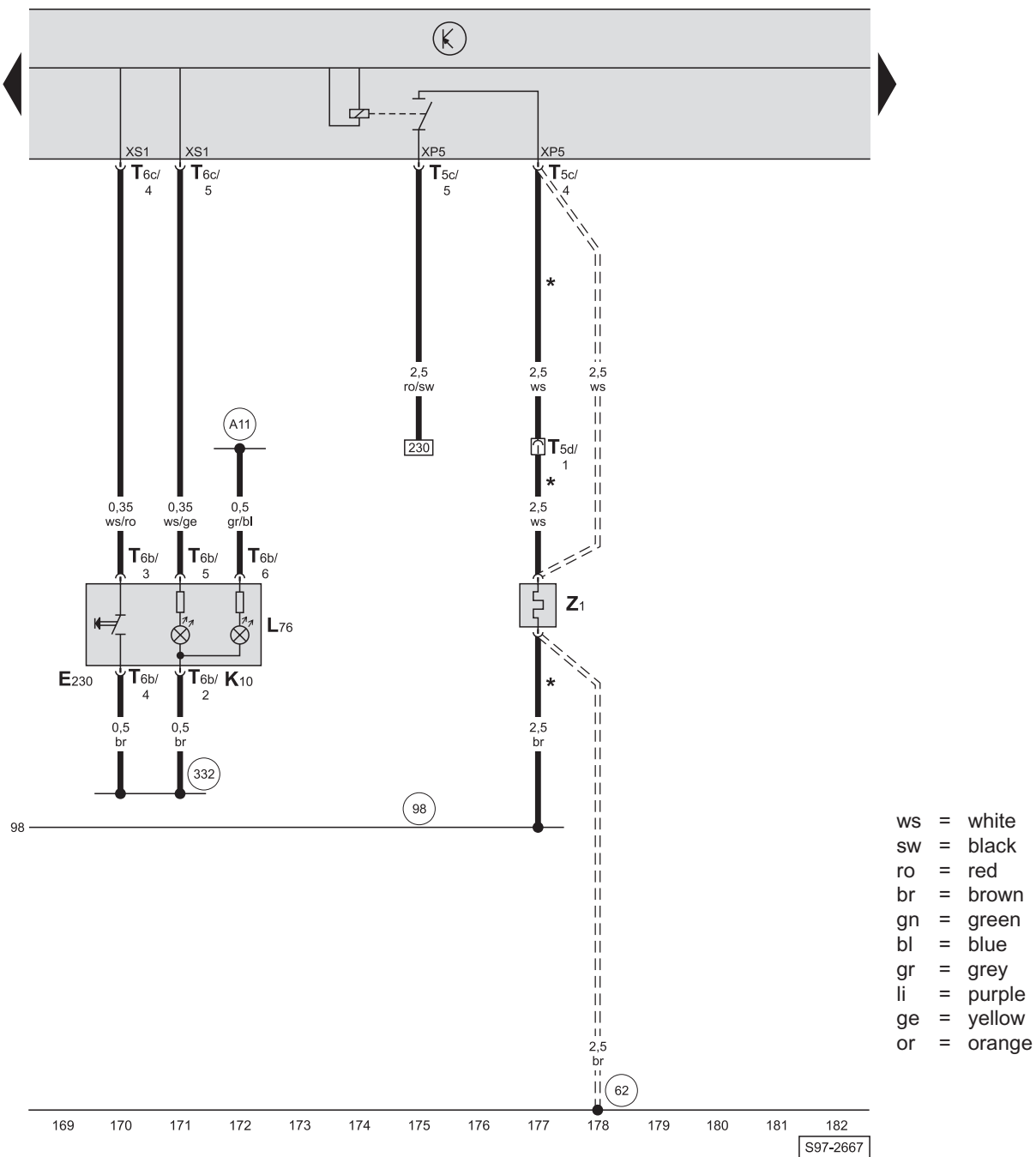


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange

T2a - 2-pin connector, on windscreen and rear window washer pump
 T4b - 4-pin connector, at rear window wiper motor
 T5b - 5-pin connector, at left C pillar (brown)
 T12a - 12-pin connector, at left of bulkhead (white)
 V5 - Windscreen washer pump
 V12 - Rear window wiper motor
 V59 - Windscreen and rear window washer pump

98 - Earth connection, in engine compartment wiring harness
 A102 - Connection (wiper), in wiring loom behind dash panel
 A156 - Connection (53c), in wiring loom behind dash panel
 * - applies only to Saloon models
 ♦ - does not apply to Saloon models
 ■ ■ ■ - does not apply to Notchback models

Heated rear window pushbutton, heated rear window

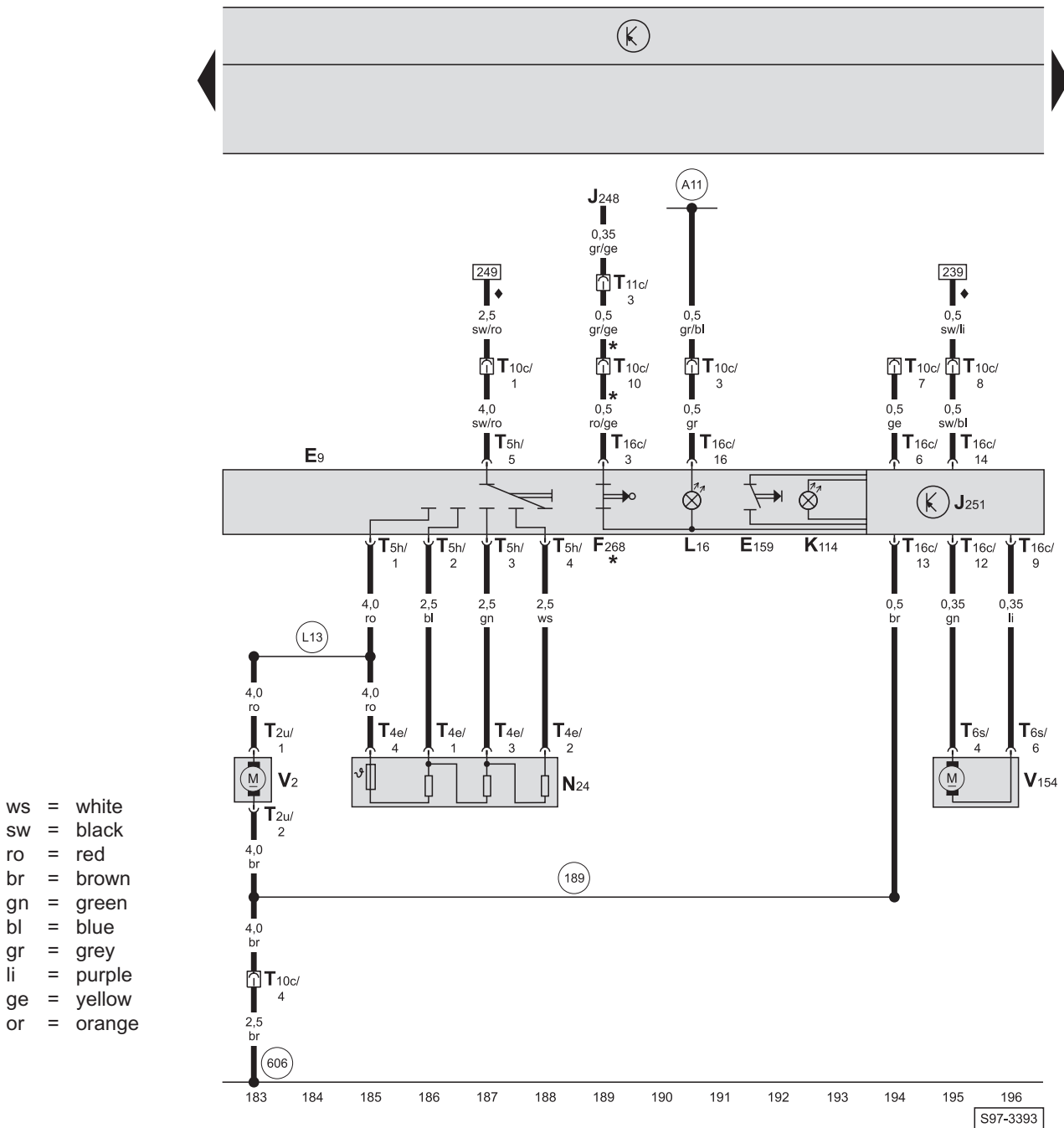


- E230 - Button for heated rear window
 K10 - Heated rear window warning lamp
 L76 - Switch/button illumination
 T5c - 5-pin connector, at electrical system control unit (brown)
 T5d - 5-pin connector, at left C pillar (pink)
 T6b - 6-pin connector, at heated rear window button
 T6c - 6-pin connector, at electrical system control unit (black)
 Z1 - Heated rear window

- 62 - Earth point, at right C pillar
 98 - Earth connection, in engine compartment wiring harness
 332 - Earth connection, in wiring harness behind dash panel
 A11 - Positive connection (58b), in wiring loom behind dash panel

- * - does not apply to Saloon models
 == - applies only to Saloon models

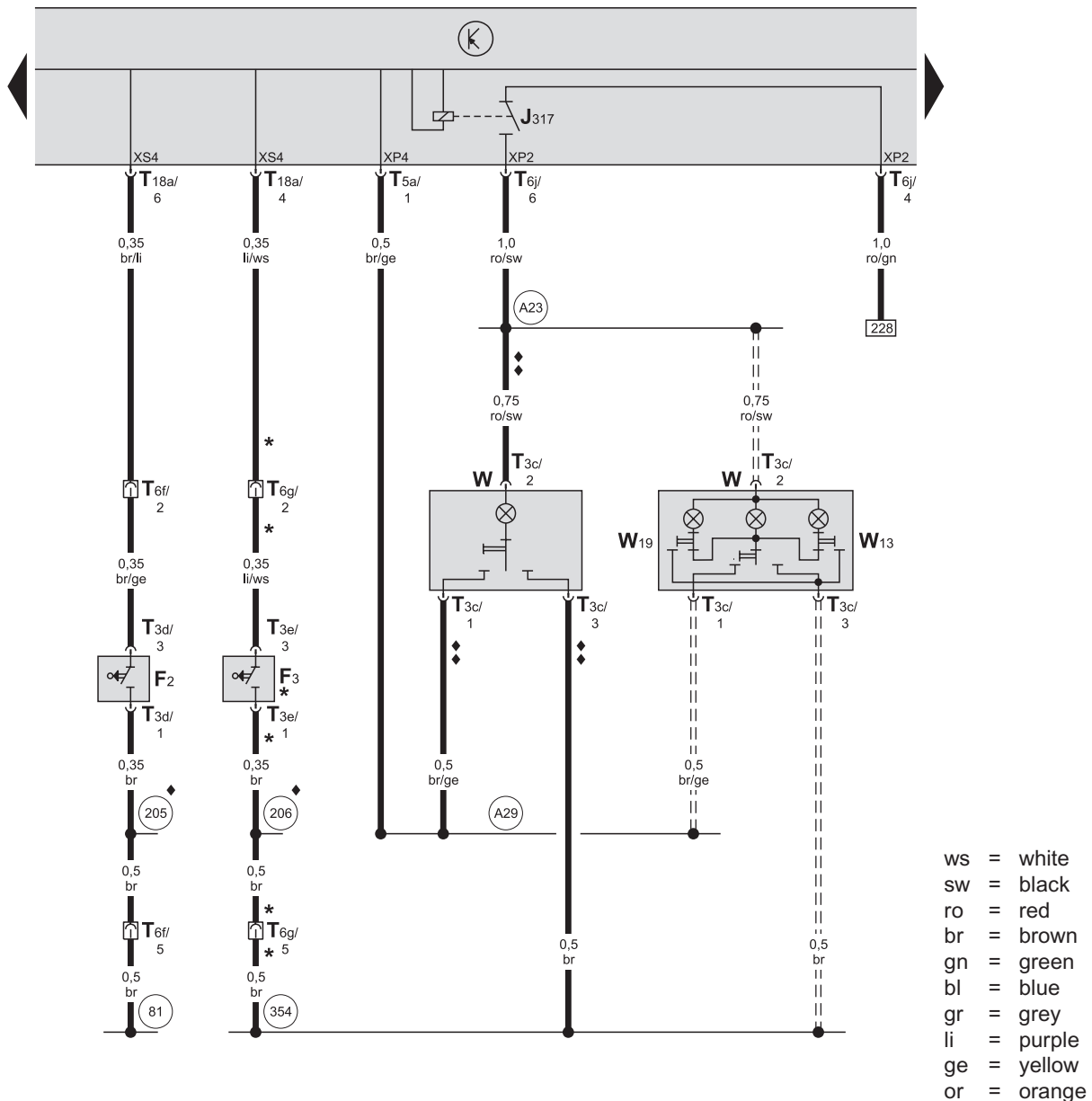
Heating



- E9 - Fresh air blower switch
- E159 - Fresh and recirculated air flap switch
- F268 - Heater element contact switch (PTC)
- J248 - Diesel direct injection system control unit
- J251 - Fresh/recirculating air flap control unit
- K114 - Fresh air and air recirculation operation warning lamp
- L16 - Fresh air control lighting
- N24 - Series resistor with overheating fuse
- T2u - 2-pin connector, at fresh air blower
- T4e - 4-pin connector, at fresh air blower series resistor
- T5h - 5-pin connector, at fresh air blower switch
- T6s - 6-pin connector, at fresh/recirculated air flap positioning motor
- T10c - 10-pin connector, behind dash panel on right
- T11c - 11-pin connector, at left of bulkhead (blue)
- T16c - 16-pin connector, at fresh air controls
- V2 - Fresh air blower
- V154 - Fresh and recirculated air flap motor

- 189 - Earth connection -1-, in fresh air blower wiring loom
- 606 - Earth point, under the centre console, near gear stick
- A11 - Positive connection (58b), in wiring loom behind dash panel
- L13 - Positive connection (75al), in fresh air blower wiring loom
- * - Applies only to models with heating element (PTC)
- ♦ - does not apply to models with air conditioning

Front interior light, door contact switch (does not apply to models with central locking)



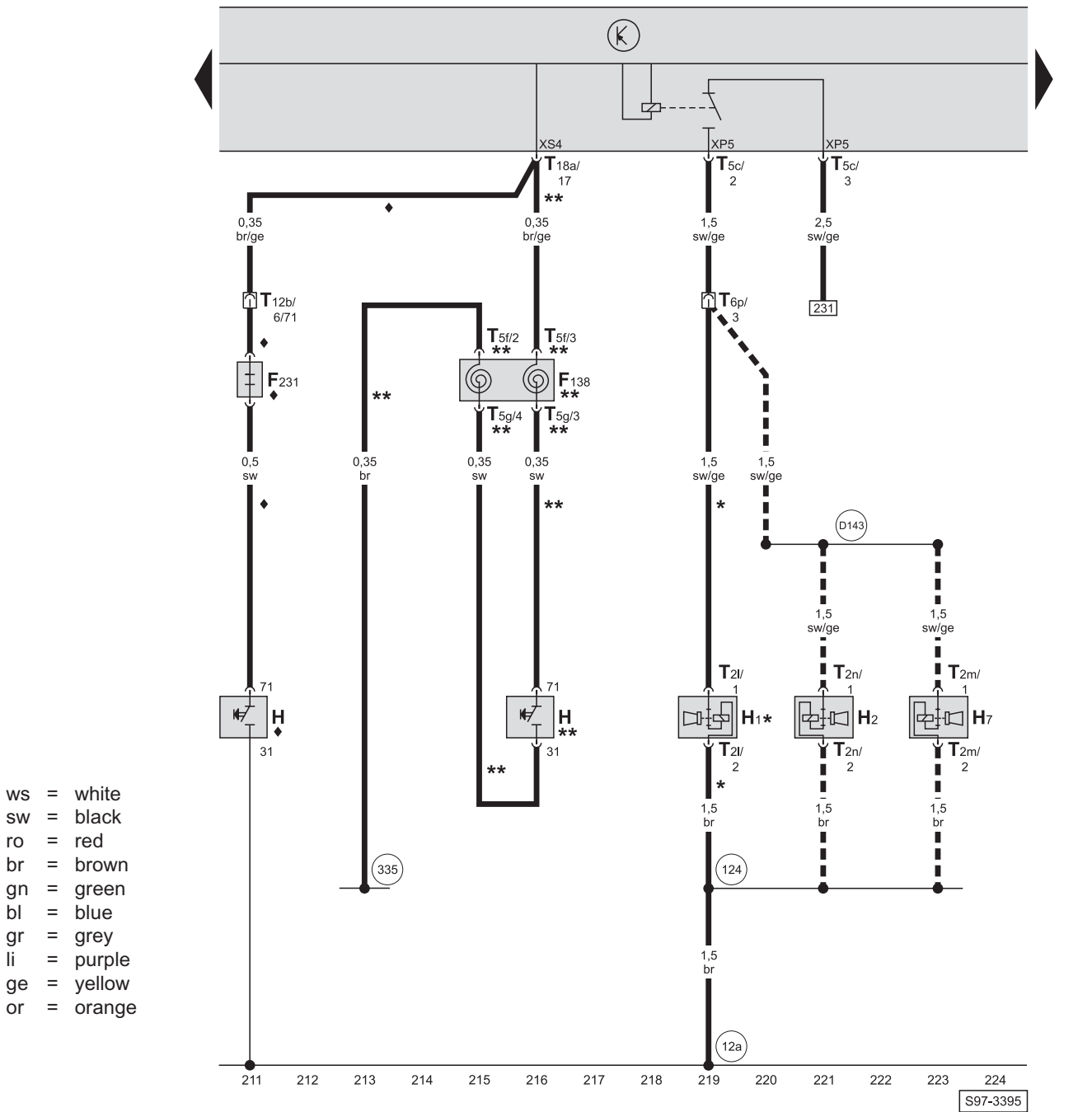
197 198 199 200 201 202 203 204 205 206 207 208 209 210
S97-3394

- F2 - Driver's door contact switch
F3 - Door contact switch, rear right
J317 - Voltage supply relay terminal (30)
T3c - 3-pin connector, at front interior light bulb
T3d - 3-pin connector, at left front door contact switch
T3e - 3-pin connector, at right front door contact switch
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

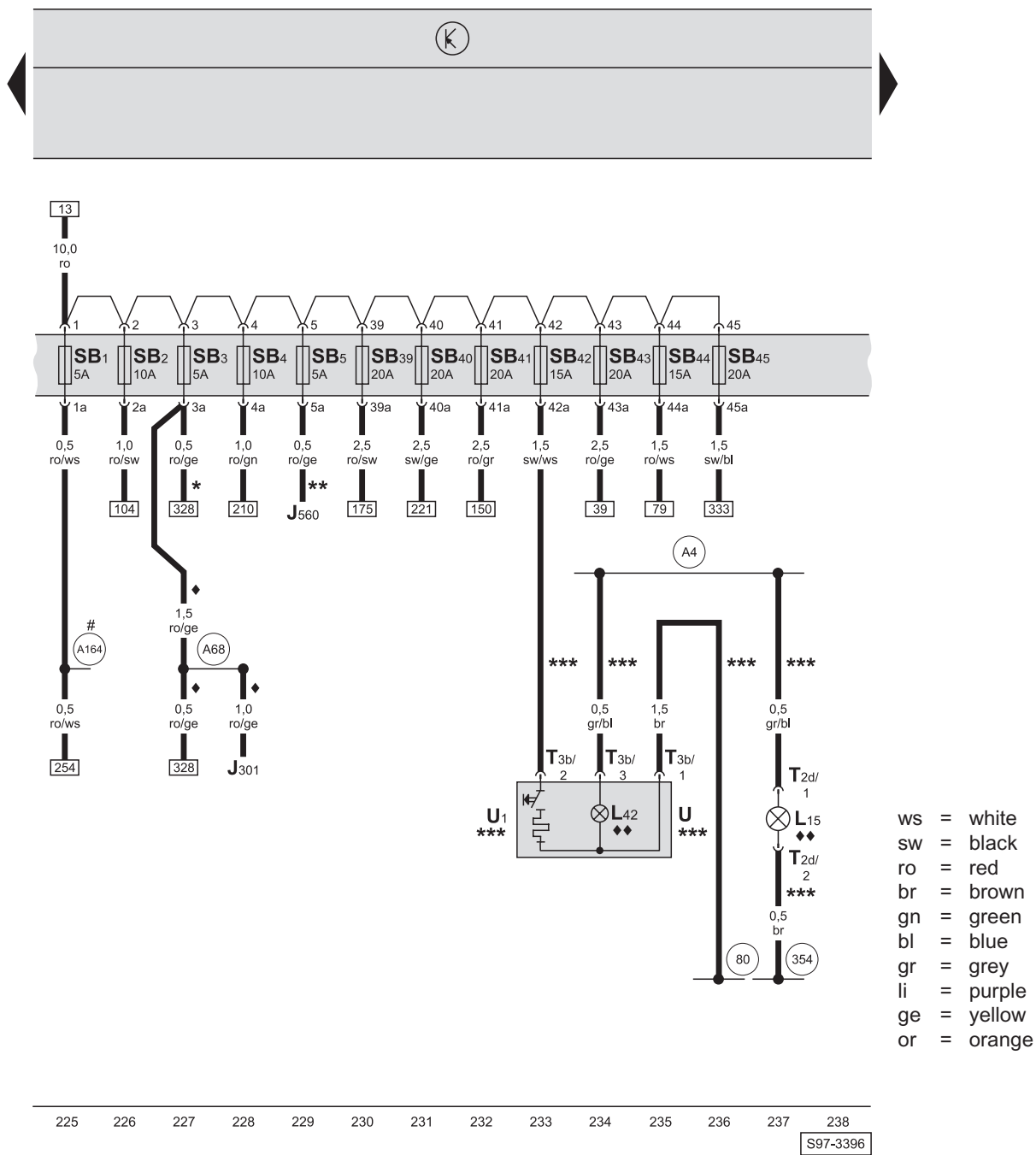
- 81 - Earth connection, in wiring harness behind dash panel
205 - Earth connection, in wiring harness of door assembly wiring driver side
206 - Earth connection, in door wiring loom - passenger side
354 - Earth connection, in wiring harness behind dash panel
A23 - Positive connection (30a), in wiring loom behind dash panel
A29 - Connection (interior light 31), in wiring loom behind dash panel

- * - not valid for vehicles Junior
♦ - Applies only to models with heated and adjustable exterior mirrors (without power windows)
♦♦ - Applies only to models without optional equipment
== - Applies only to models with optional equipment

Horn



Socket, cigarette lighter, ashtray illumination, glove box light, fuse holder

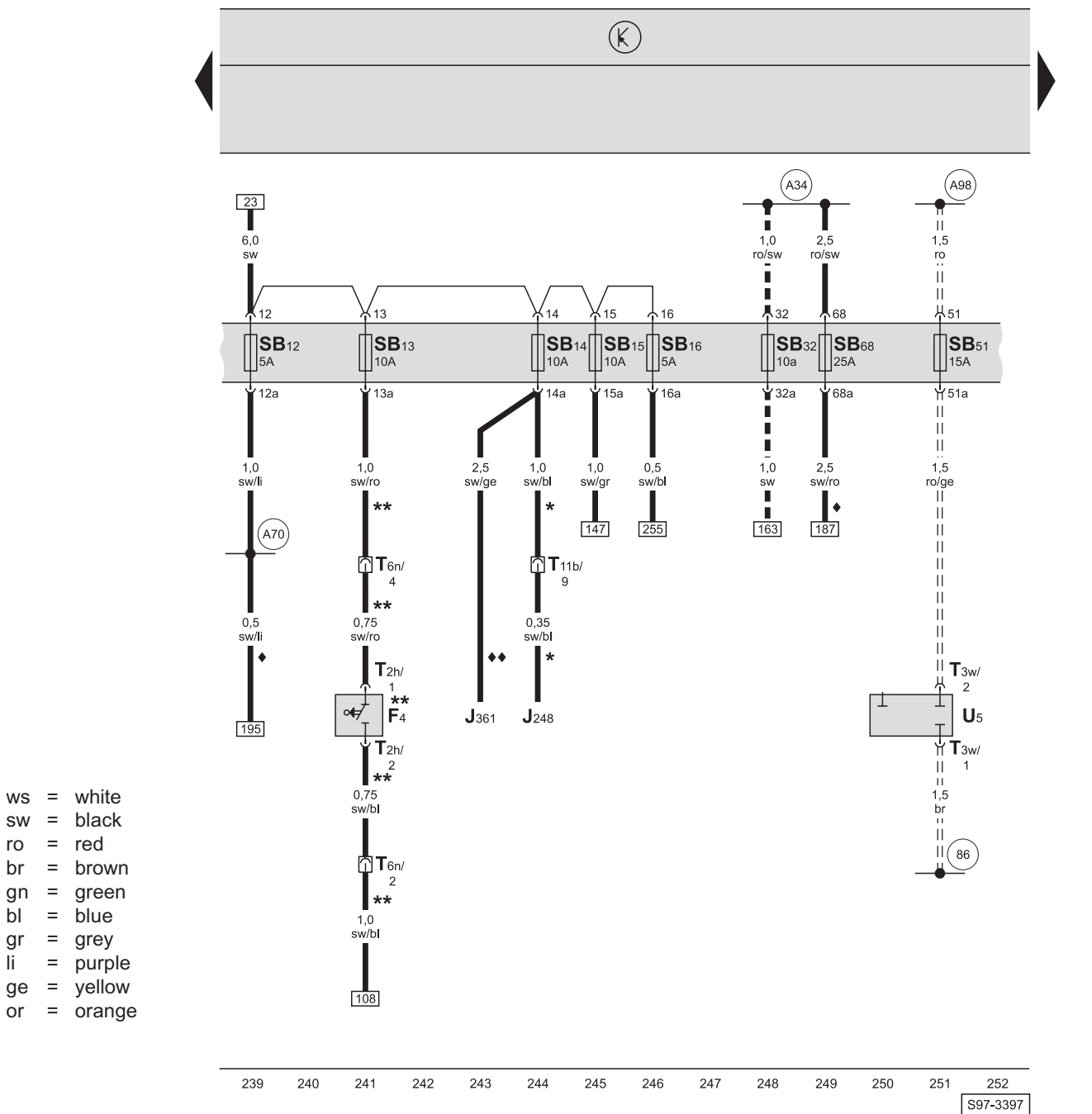


- J301 - AC control unit
- J560 - Door warning lights relay
- L15 - Earth point, at cylinder head
- L42 - Electric socket illumination bulb
- T2d - 2-pin connector, at bulb for ashtray illumination
- T3b - 3-pin connector, at socket
- U - Socket
- U1 - Cigarette lighter

- 80 - Earth connection, in wiring harness behind dash panel
- 354 - Earth connection, in wiring harness behind dash panel
- A4 - Positive connection (58b), in wiring loom behind dash panel
- A68 - Positive connection (30a, AC), in wiring loom behind dash panel
- A164 - Positive connection (30a), in wiring loom behind dash panel

- * - does not apply to models with air conditioning
- ** - only for vehicles with door warning lamps (up to 10.02)
- *** - not valid for vehicles Junior
- ◆ - Applies only to models with air conditioning
- ◆◆ - not valid for vehicles Junior und Classic
- # - Applies only to models with ESP

Reversing lights switch, luggage compartment socket, fuse holder

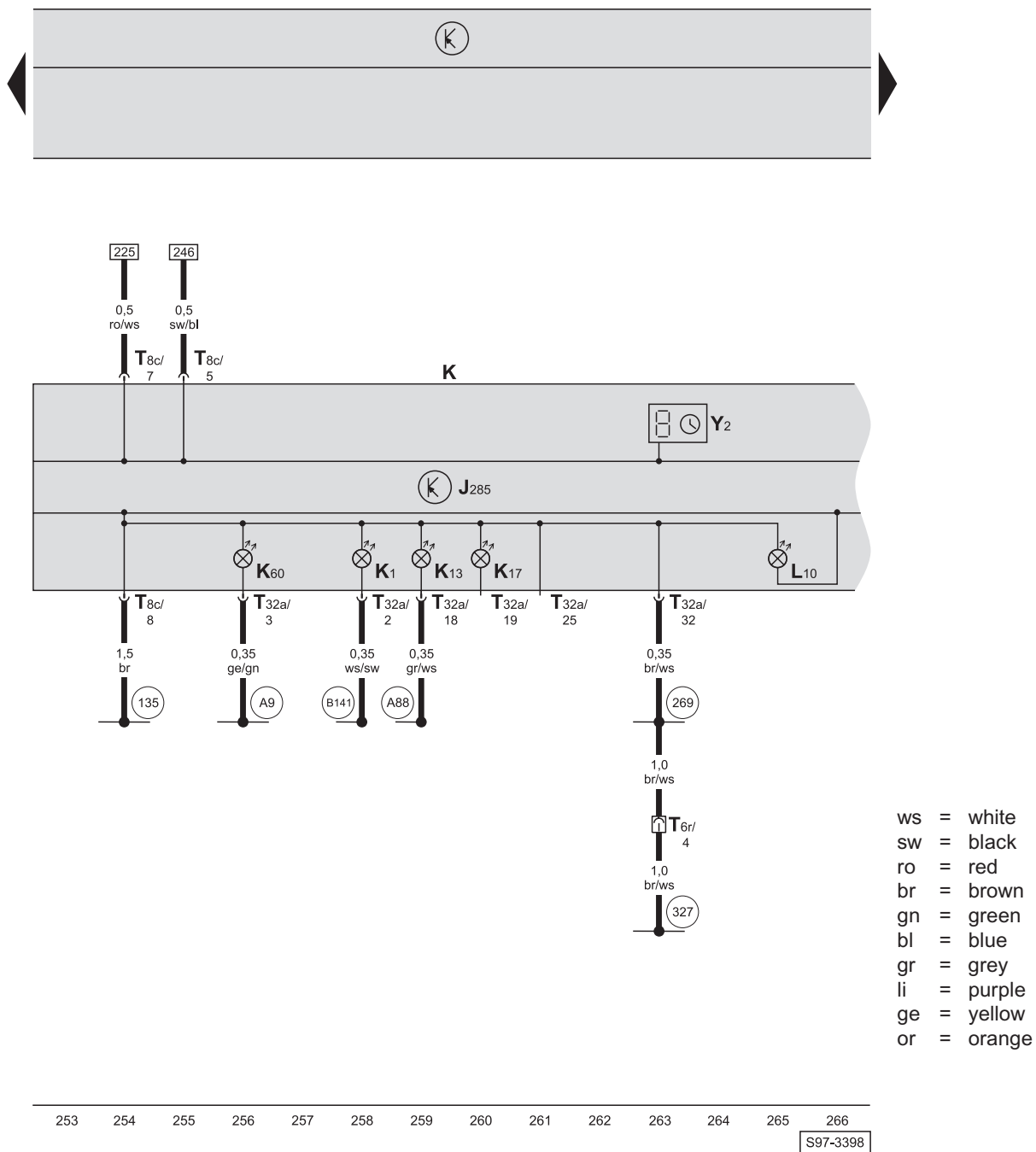


- F4 - Reversing light switch
J248 - Diesel direct injection system control unit
J361 - Simos control unit
T2h - 2-pin connector, at reversing light switch
T3w - Plug connection, 3-pin, at 12 V socket, in luggage compartment
T6n - 6-pin connector, at left of bulkhead (blue)
T11b - 11-pin connector, at left of bulkhead (red)
U5 - 12 V socket, in luggage compartment

- 86 - Earth connection -1-, in rear interior wiring loom
A34 - Positive connection (75x), in wiring loom behind dash panel
A70 - Positive connection (15a), in wiring loom behind dash panel
A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)

- * - Applies only to engine codes AMF, ASY, ATD, ASZ
** - Does not apply to models with automatic gearbox
♦ - does not apply to models with air conditioning
♦♦ - applies only to engine codes AZQ
= = = - applies only to Combi and Notchback models
■■■ - does not apply to Notchback models

Dash panel insert, control unit in dash panel insert, warning lights, digital clock



J285 - Control unit in dash panel insert

K - Dash panel insert

K1 - Main beam warning lamp

K13 - Rear fog light warning lamp

K17 - Fog light warning lamp

K60 - Dipped beam and rear lights warning lamp

L10 - Dash panel insert illumination bulb

T6r - 6-pin connector, at left of bulkhead (brown)

T8c - 8-pin connector, at dash panel insert

T32a - 32-pin connector, at dash panel insert

Y2 - Digital clock

(135) - Earth connection, in wiring harness behind dash panel

(269) - Earth connection (sender earth) -1-, in wiring harness behind dash panel

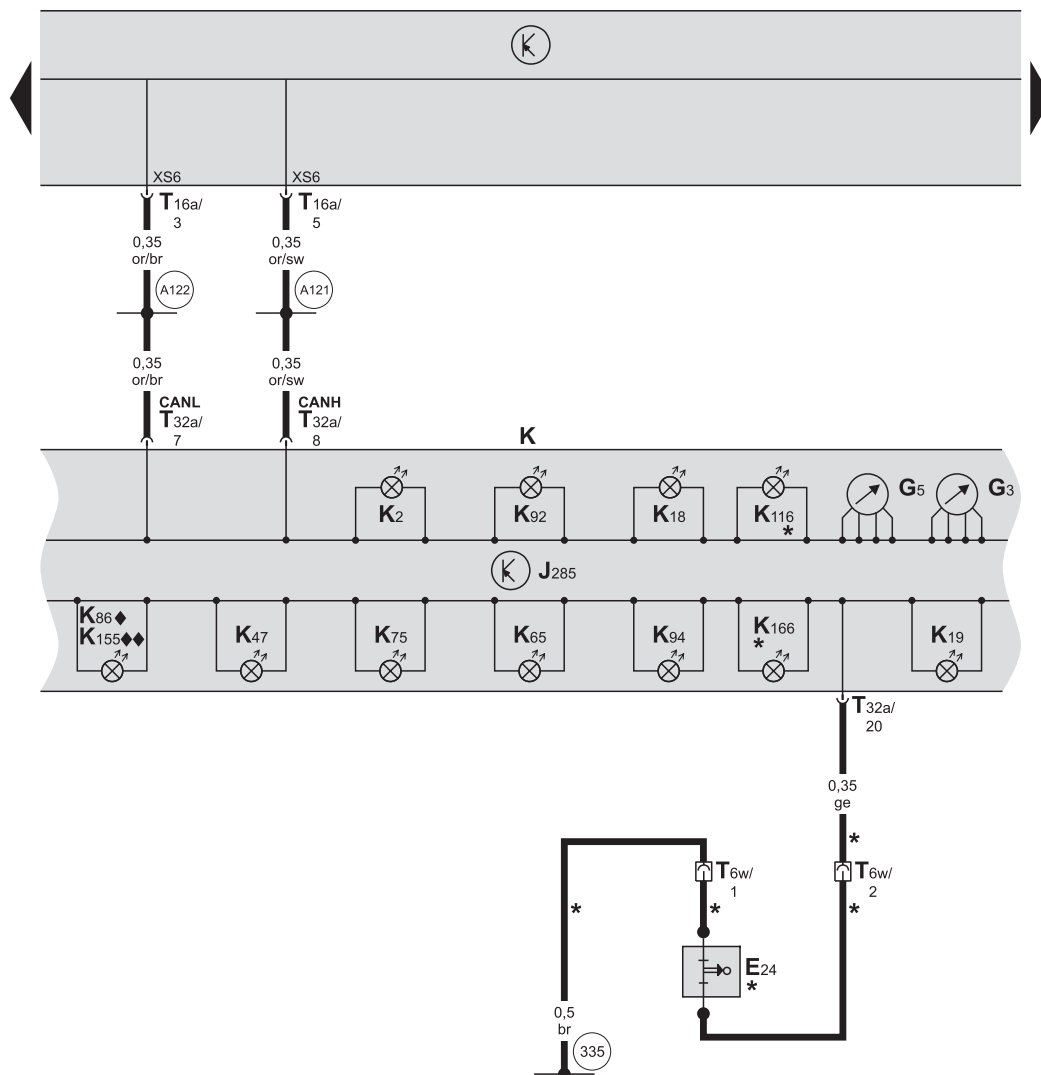
(327) - Earth connection (sender earth), in engine compartment wiring harness

(A9) - Connection (56b), in wiring loom behind dash panel

(A88) - Connection (NSL), in wiring loom behind dash panel

(B141) - Connection (56aL), in wiring loom behind dash panel

Dash panel insert, control unit in dash panel insert, warning lights, coolant temperature gauge, rev counter, driver side seat belt switch



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

267 268 269 270 271 272 273 274 275 276 277 278 279 280

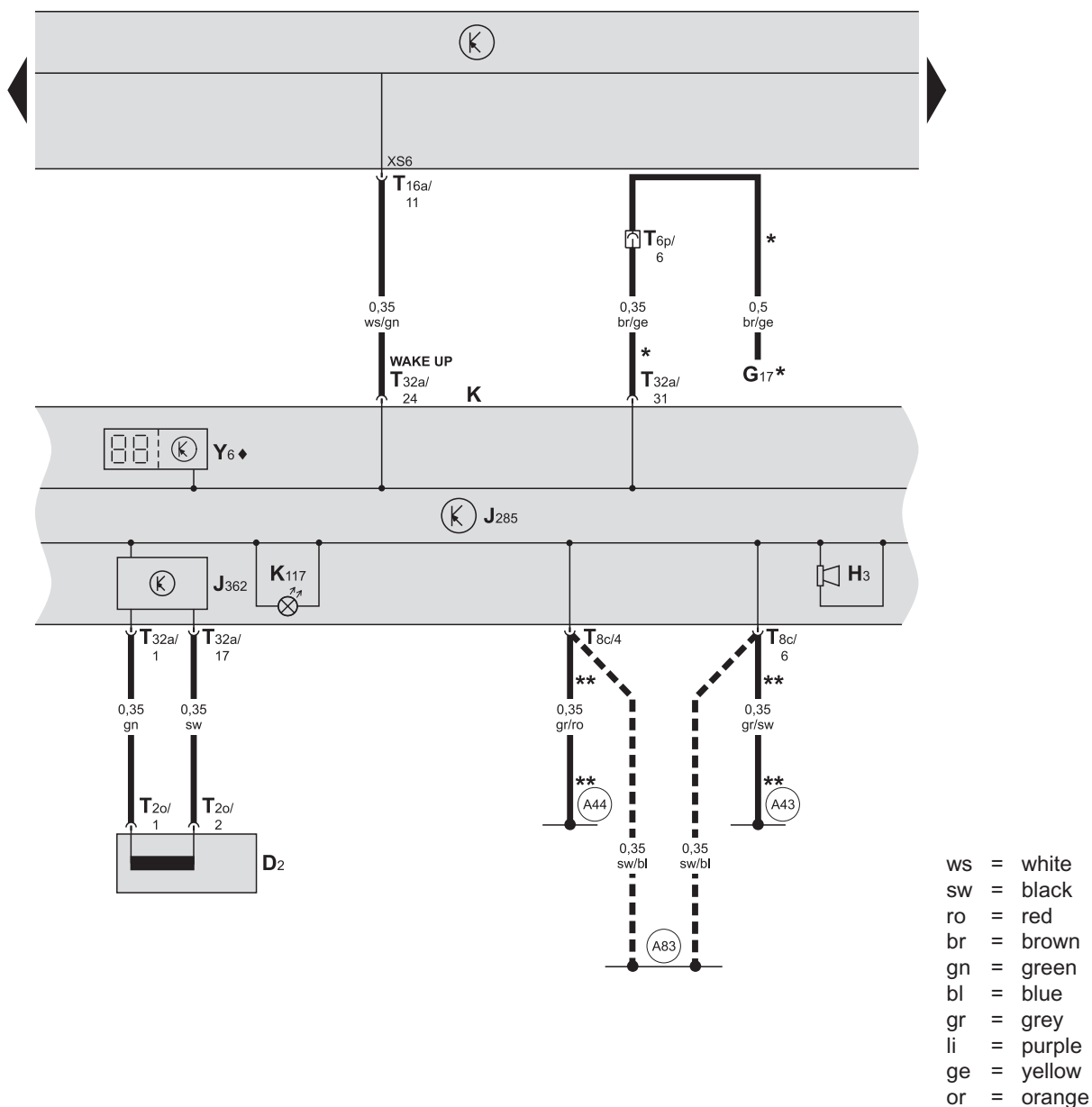
S97-2045

E24 - Driver side seat belt switch
G3 - Coolant temperature gauge
G5 - Rev counter
J285 - Control unit in dash panel insert
K - Dash panel insert
K2 - Generator warning lamp
K18 - Trailer operation warning lamp
K19 - Seat belt warning system warning lamp
K47 - ABS warning lamp
K65 - Turn signal warning lamp, left
K75 - Airbag warning lamp
K86 - Traction control system warning lamp
K92 - Servotronic warning lamp
K94 - Turn signal warning lamp, right
K116 - Tailgate unlocked warning light
K155 - Warning lamp for stability programme
K166 - Door open warning light
T6w - 6-pin connector, below driver seat (red)
T16a - 16-pin connector, at electrical system control unit (black)
T32a - 32-pin connector, at dash panel insert

335 - Earth connection, in wiring harness behind dash panel
A121 - Connection (CAN-H), in wiring loom behind dash panel on
A122 - Connection (CAN-L), in wiring loom behind dash panel

* - Applies only to models with optional equipment
♦ - Applies only to models with TCS
♦♦ - Applies only to models with ESP

Immobiliser, dash panel insert, control unit in dash panel insert, warning lights, buzzer/gong



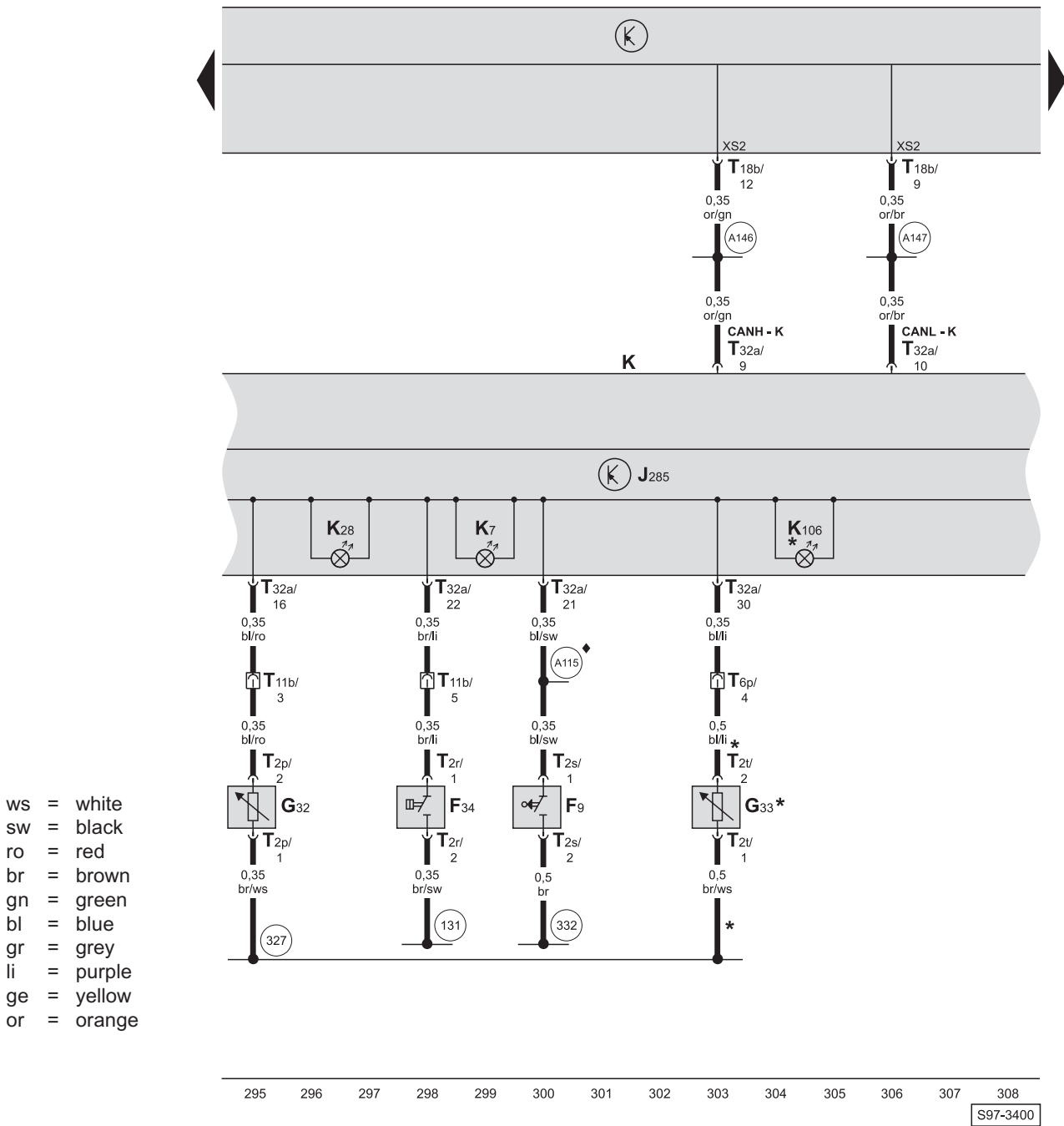
281 282 283 284 285 286 287 288 289 290 291 292 293 294
S97-3399

- D2 - Immobiliser reader coil (at ignition/starter switch)
G17 - Ambient temperature sensor
H3 - Buzzer/gong
J285 - Control unit in dash panel insert
J362 - Immobiliser control unit
K - Dash panel insert
K117 - Immobiliser warning lamp
T2o - 2-pin connector, at immobiliser reader coil
T8c - 8-pin connector, at dash panel insert
T16a - 16-pin connector, at electrical system control unit (black)
T32a - 32-pin connector, at dash panel insert
Y6 - Selector lever position indicator

- A43 - Connection (57L), in wiring loom behind dash panel
A44 - Connection (57R), in wiring loom behind dash panel
A83 - Connection (58, daytime running lights), in wiring loom behind dash panel on left

- * - Applies only to models with multifunction display
** - Does not apply to models with daytime running lights
◆ - Applies only to models with automatic gearbox
■ ■ ■ - applies only to models with daytime running lights

Dash panel insert, control unit in dash panel insert, warning lights, handbrake indicator switch, brake fluid level warning contact, low coolant level indicator sender, windscreen washer fluid level sender

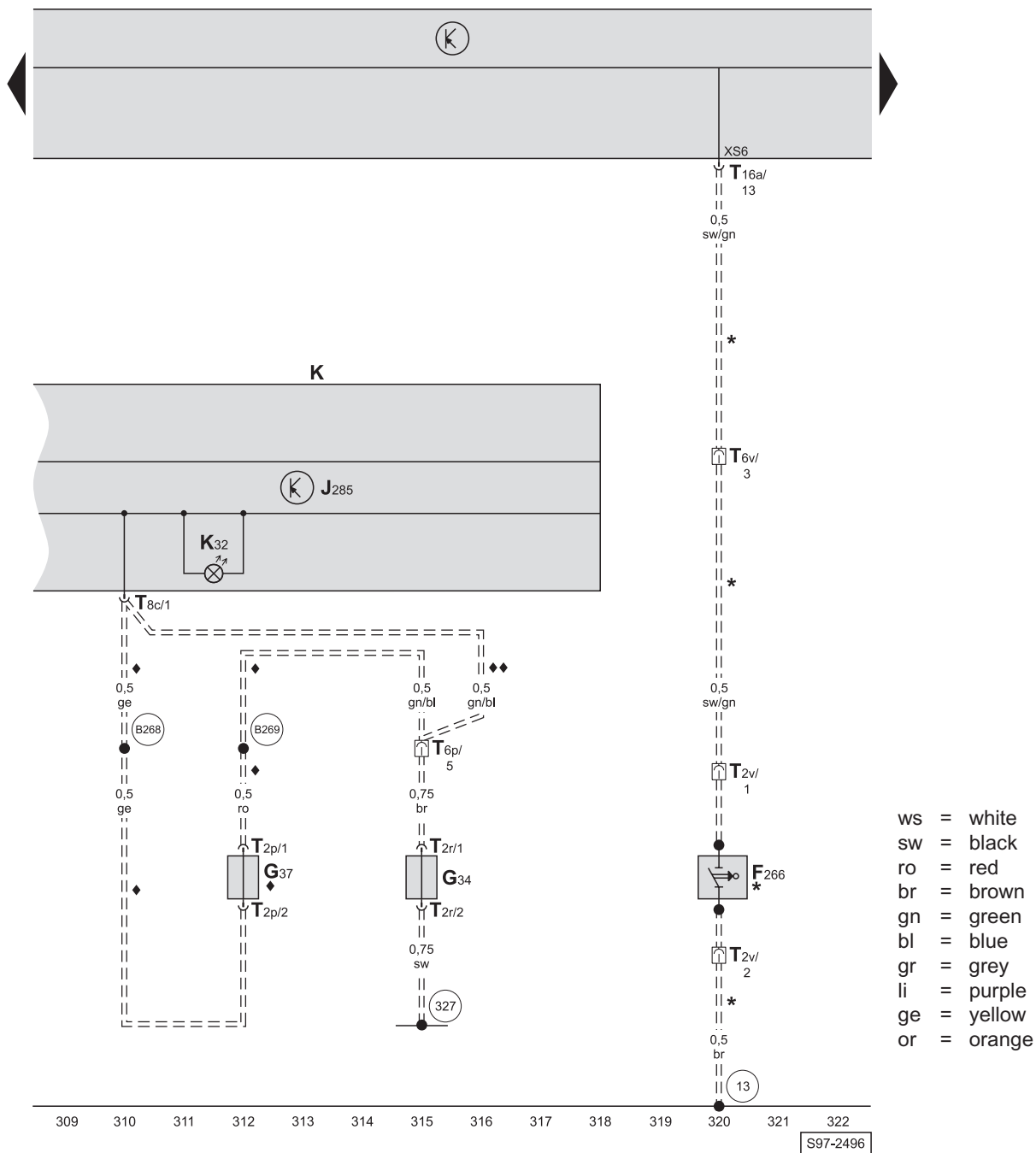


- F9 - Handbrake warning switch
- F34 - Brake fluid level warning contact
- G32 - Coolant shortage indicator sender
- G33 - Windscreen washer fluid level sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K7 - Twin circuit brake and handbrake warning lamp
- K28 - Coolant temperature/coolant shortage warning lamp
- K106 - Washer water shortage warning lamp
- T2p - 2-pin connector, at low coolant level indicator sender
- T2r - 2-pin connector, at brake fluid level warning contact
- T2s - 2-pin connector, at handbrake indicator switch
- T2t - 2-pin connector, at windscreen washer fluid level sender
- T6p - 6-pin connector, at left of bulkhead (red)
- T11b - 11-pin connector, at left of bulkhead (red)
- T18b - 18-pin connector, at electrical system control unit (black)
- T32a - 32-pin connector, at dash panel insert

- 131 - Earth connection -2-, in engine compartment wiring harness
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- 332 - Earth connection, in wiring harness behind dash panel
- A115 - Connection (handbrake indicator), in wiring loom behind dash panel
- A146 - Connection (CAN-H, convenience), in wiring loom behind dash panel
- A147 - Connection (CAN-L, convenience), in wiring loom behind dash panel

- * - Applies only to models with optional equipment
- ♦ - Applies only to models with ESP

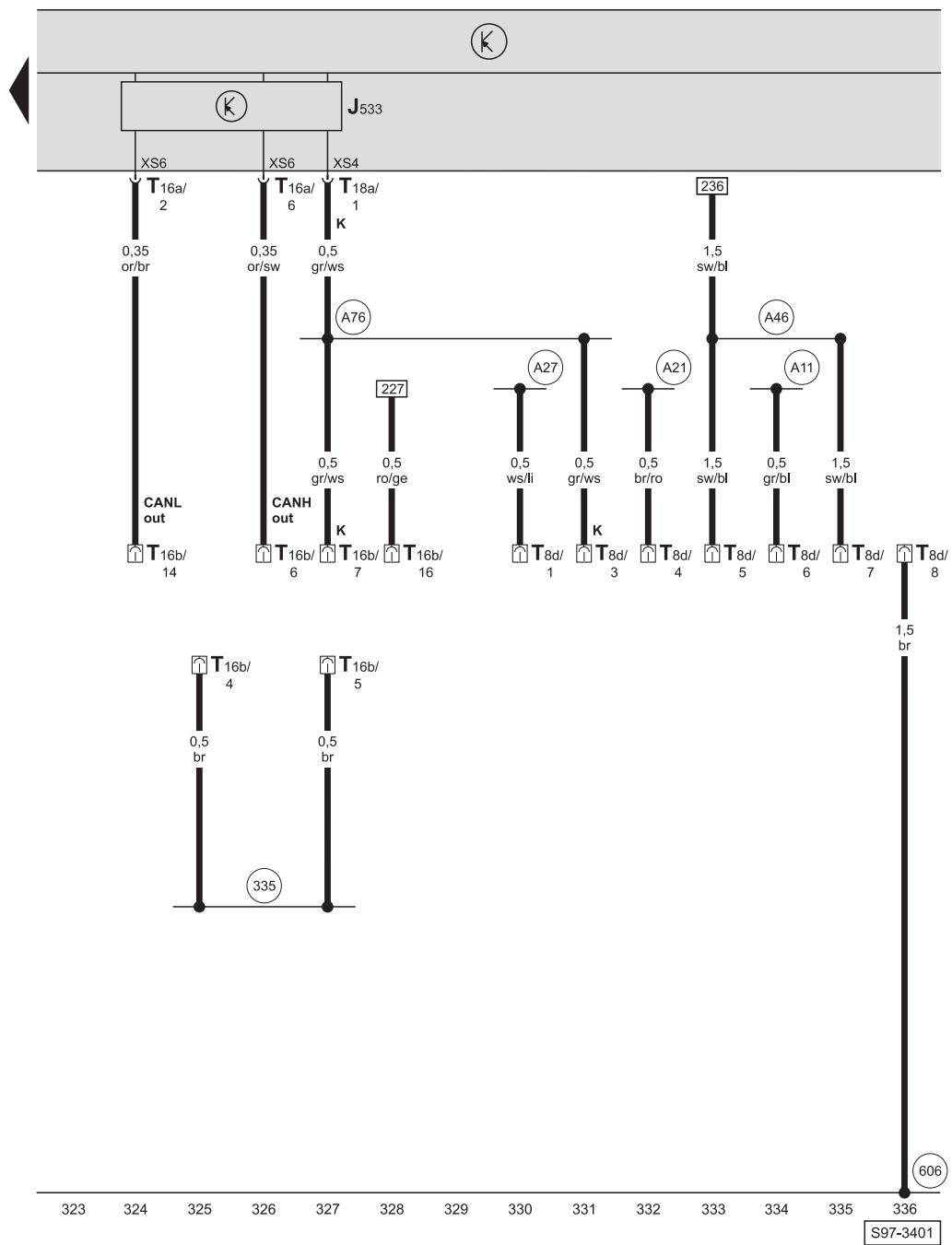
Dash panel insert, control unit in dash panel insert, warning lights, bonnet contact switch, brake pad wear sender



- F266 - Vermin repellent system contact switch
- G34 - Left front brake wear indicator sender
- G37 - Rear right brake wear sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K32 - Brake pad warning lamp
- T2p - Connector, 2-pin, at rear right brake pad wear sender
- T2r - Connector, 2-pin, at front left brake pad wear sender
- T2v - 2-pin connector, at bonnet contact switch
- T6p - 6-pin connector, at left of bulkhead (red)
- T6v - 6-pin connector, at left of bulkhead (green)
- T8c - 8-pin connector, at dash panel insert
- T16a - 16-pin connector, at electrical system control unit (black)

- 13 - Earth point, in front right of engine compartment
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- B268 - Connection -1- (brake pad wear), in rear right wiring loom
- B269 - Connection -2- (brake pad wear), in rear right wiring loom
- * - does not apply to models with anti-theft alarm system
- ◆ - applies only to models fitted with disc brakes at rear
- ◆◆ - applies only to models fitted with drum brakes at rear
- = = = - applies only to models with extended service interval (ESI)

Plug connection for radio or navigation system control unit, plug connection for diagnostic socket, databus diagnostic interface



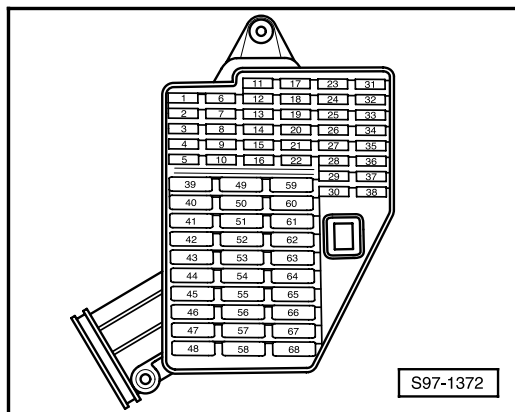
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange

J533 - Databus diagnostic interface
T8d - 8-pin connector, for radio or navigation system control unit (black)
T16a - 16-pin connector, at electrical system control unit (black)
T16b - 16-pin connector, in glove box on driver's side (diagnosis connection)
T18a - 18-pin connector, at electrical system control unit (brown)

335 - Earth connection, in wiring harness behind dash panel
606 - Earth point, under the centre console, near gear stick
A11 - Positive connection (58b), in wiring loom behind dash panel
A21 - Positive connection (86s), in wiring loom behind dash panel
A27 - Connection (vehicle speed signal), in wiring loom behind dash panel
A46 - Positive connection (30 - from radio), in wiring loom behind dash panel
A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left

1.2 I - Simos 3 Unit Injection/40 kW, engine code AWY, from August 2002

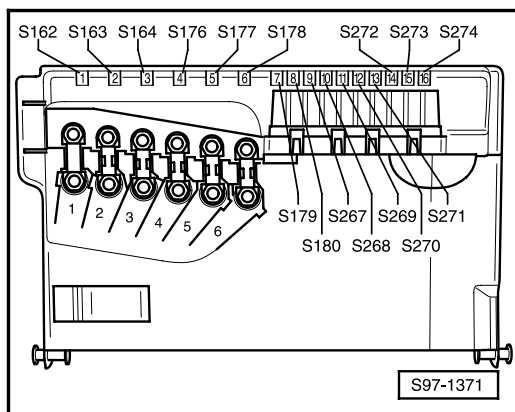
Fuse holder:



Fuse colours

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

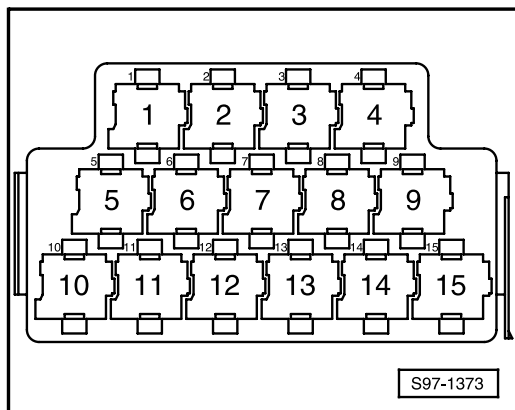
Fuse holder on battery:



Fuse colours

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

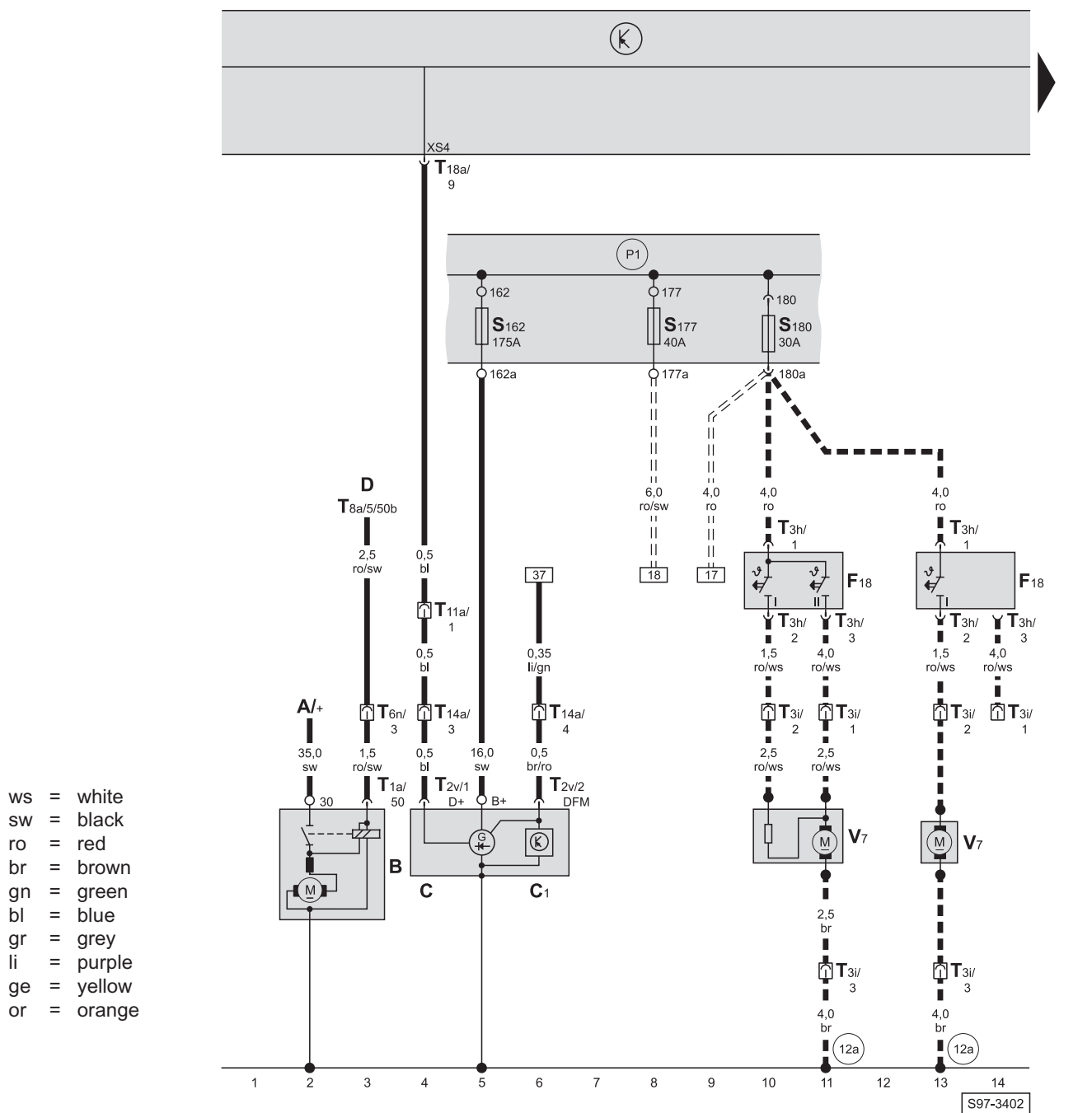
Relay holder:



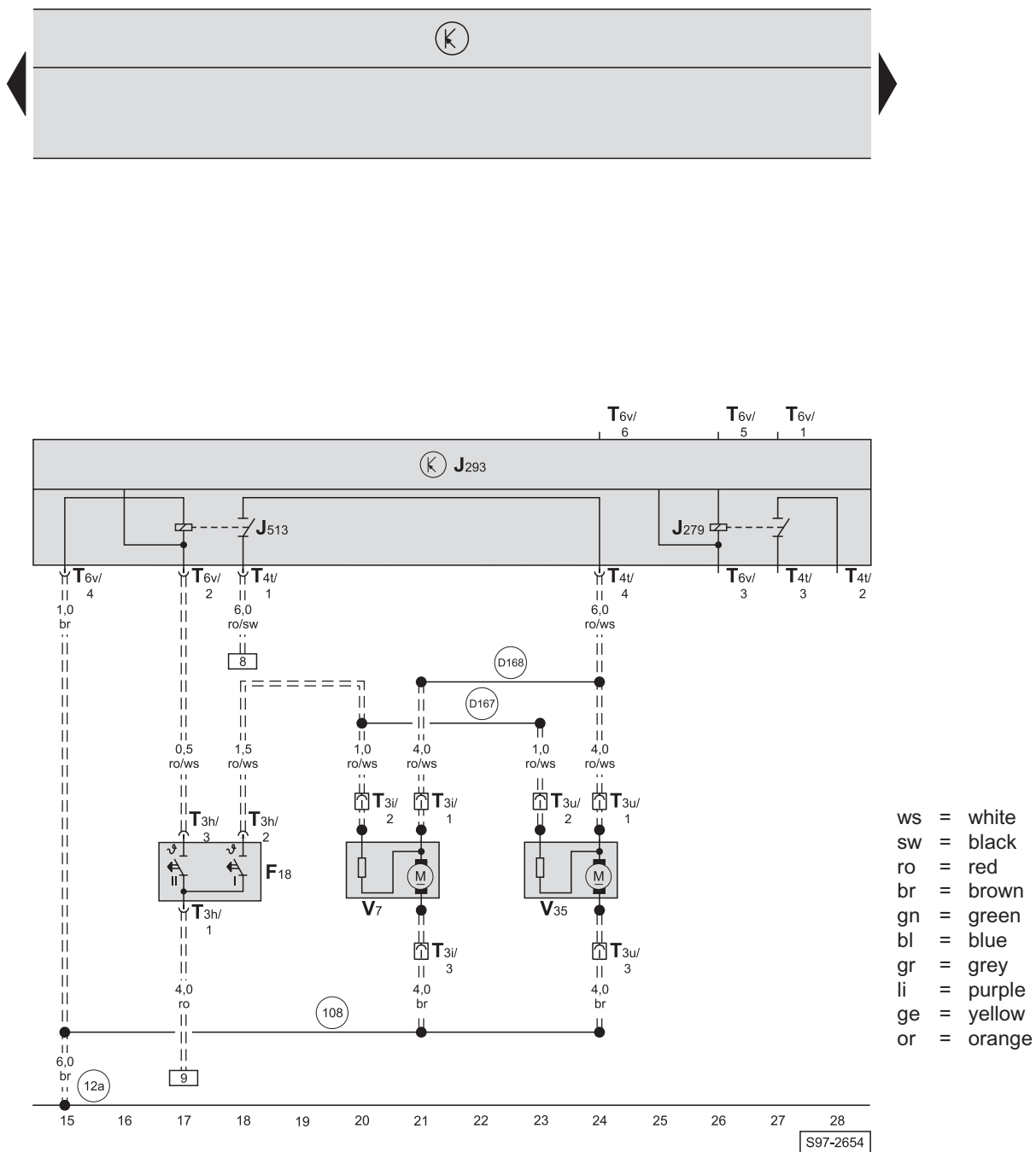
Relay position assignment

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

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



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

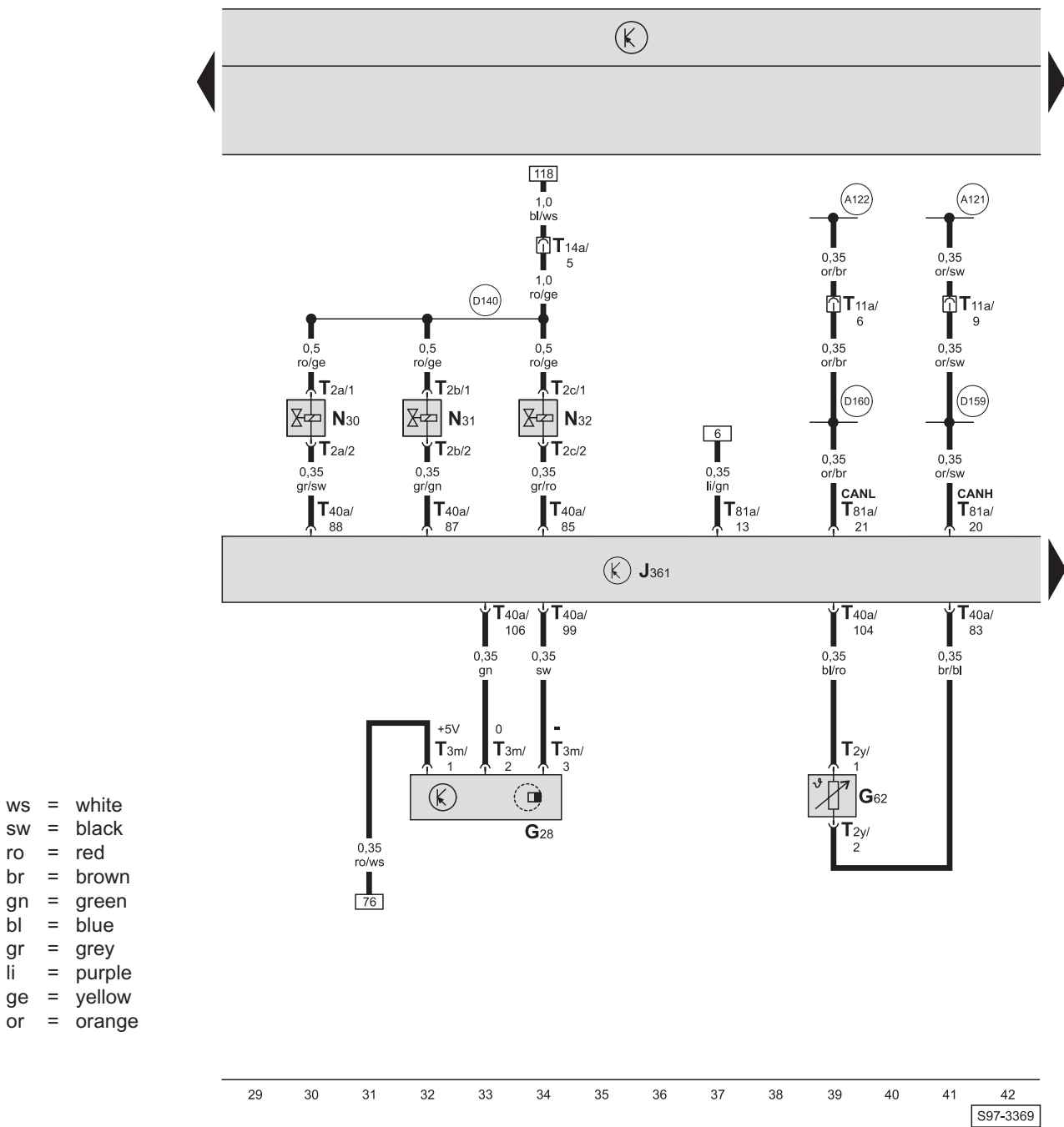


- F18 - Radiator fan thermoswitch
J279 - Radiator fan relay, stage 1
J293 - Radiator fan control unit
J513 - Radiator fan relay, stage 2
T3h - 3-pin connector, at radiator fan thermoswitch
T3i - 3-pin connector, in bracket on left of radiator
T3u - 3-pin connector, in bracket on left of radiator
T4t - 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

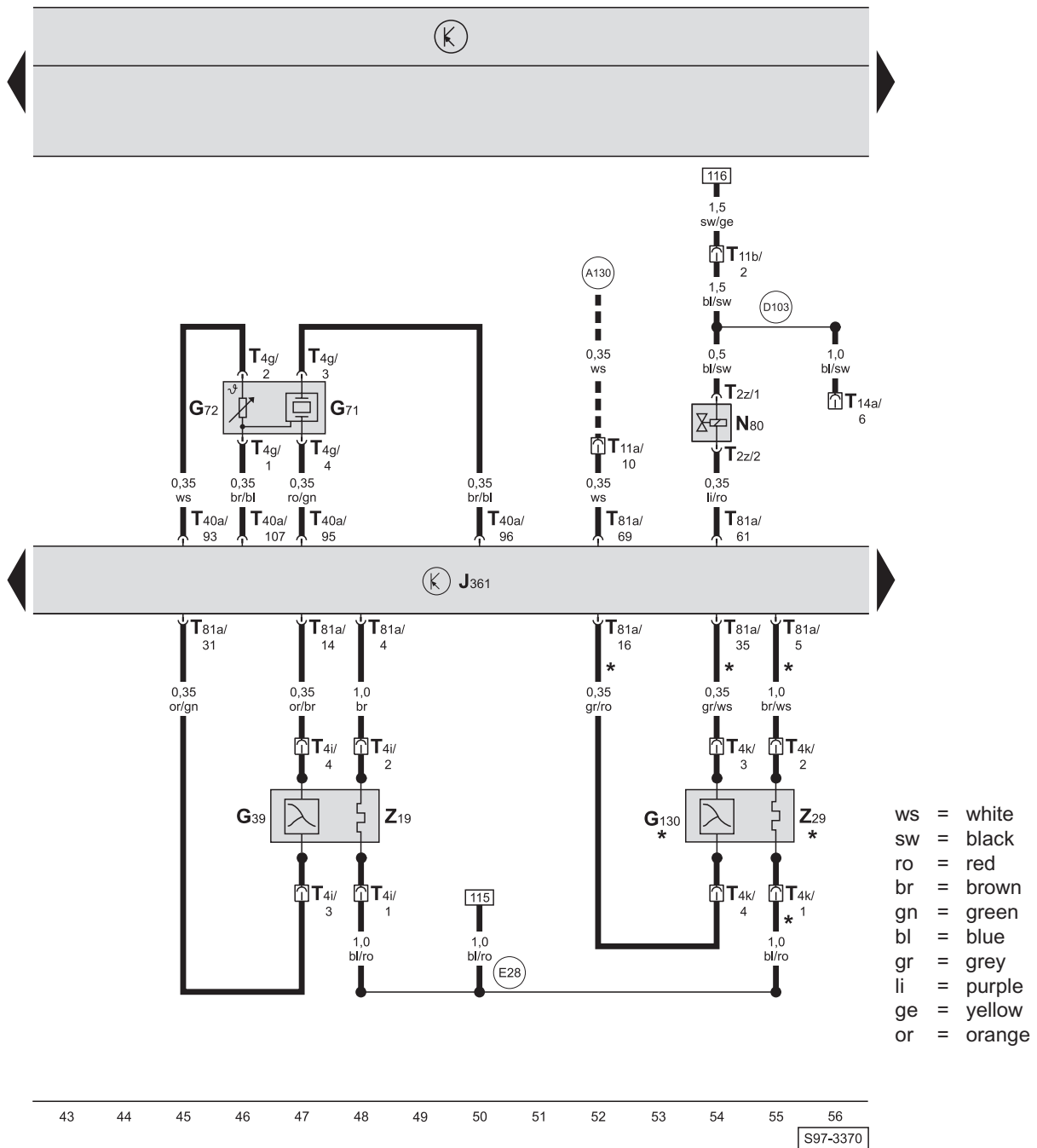
Simos control unit, injectors, engine speed sender, coolant temperature sender



- 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

- 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

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

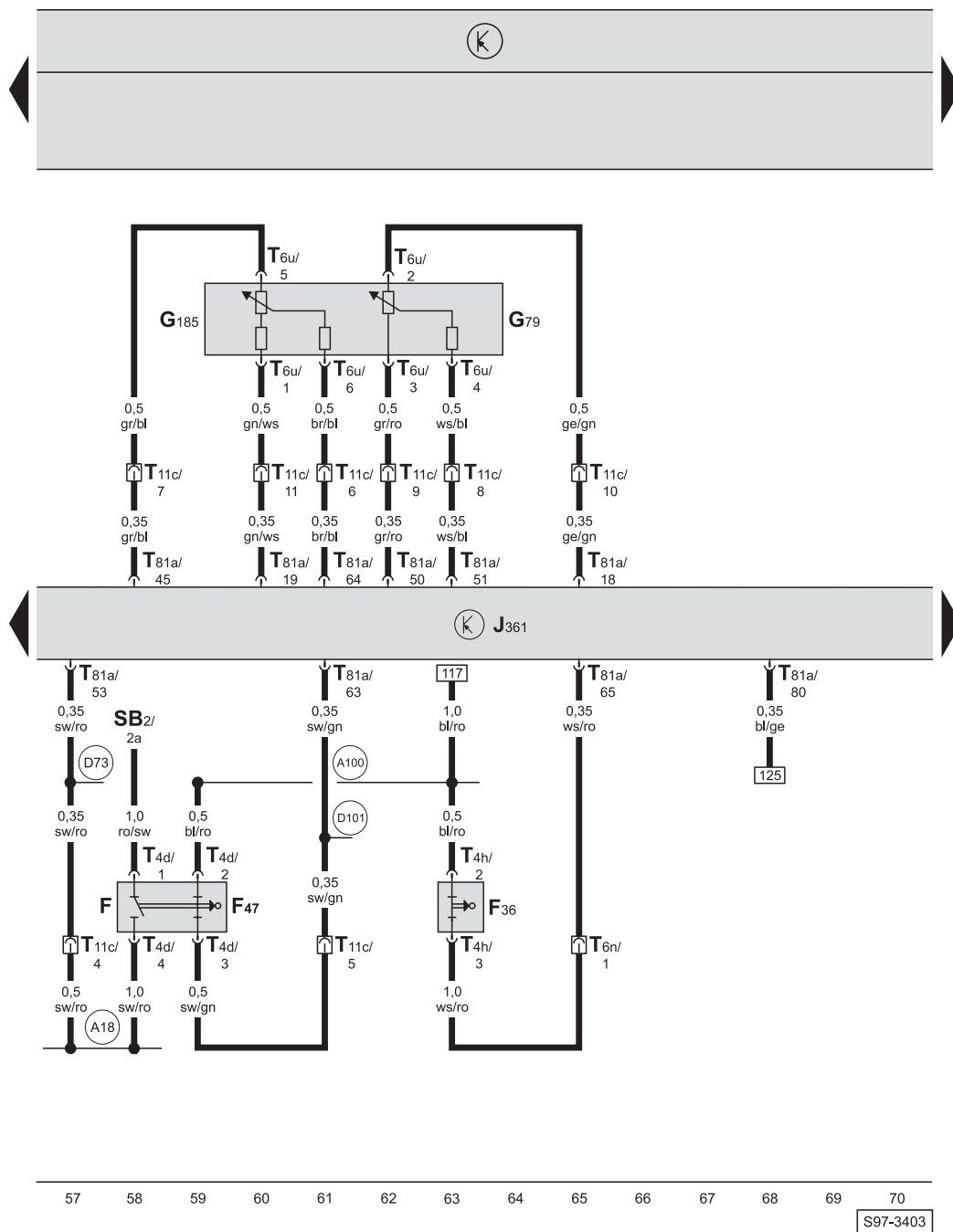


- G39 - Lambda probe
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J361 - Simos control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system solenoid valve
- T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
- T4i - 4-pin connector, close to lambda probe
- T4k - Connector, 4-pin, close to lambda probe downstream of catalytic converter
- 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

- (A130) - Connection (CCS), in wiring loom behind dash panel on left
- (D103) - Connection -3- (87a), in engine compartment wiring loom
- (E28) - Connection (lambda probe heater), in engine compartment wiring loom

- * - not valid for EU-2 DDK
- ■ ■ - Applies only to models with CCS

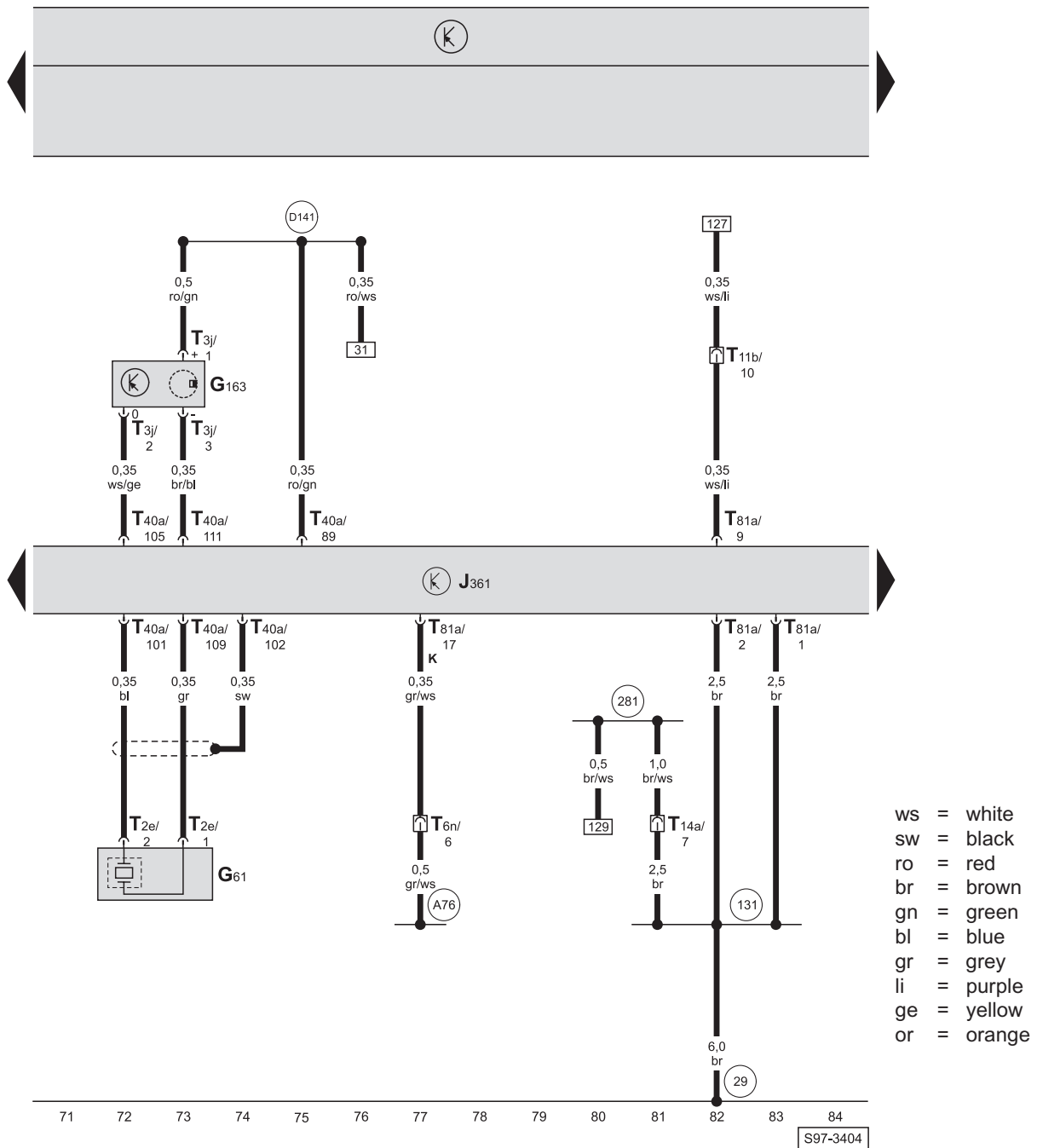
Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G79 - Accelerator position sender
- G185 - Accelerator pedal position sender -2-
- 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

- (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

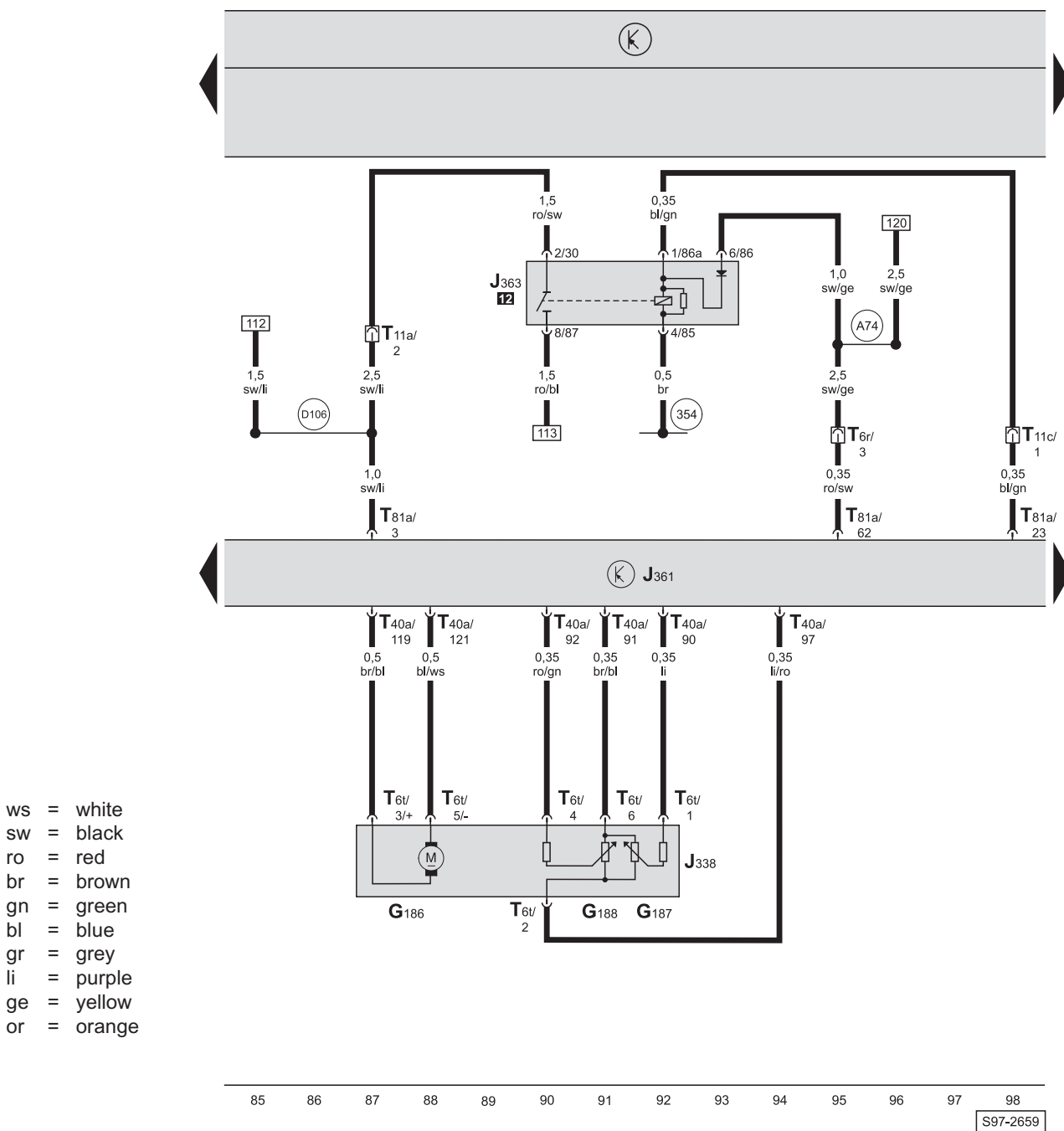
Simos control unit, knock sensor I, camshaft position sender



- G61 - Knock sensor I
G163 - Camshaft position sender
J361 - Simos 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
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

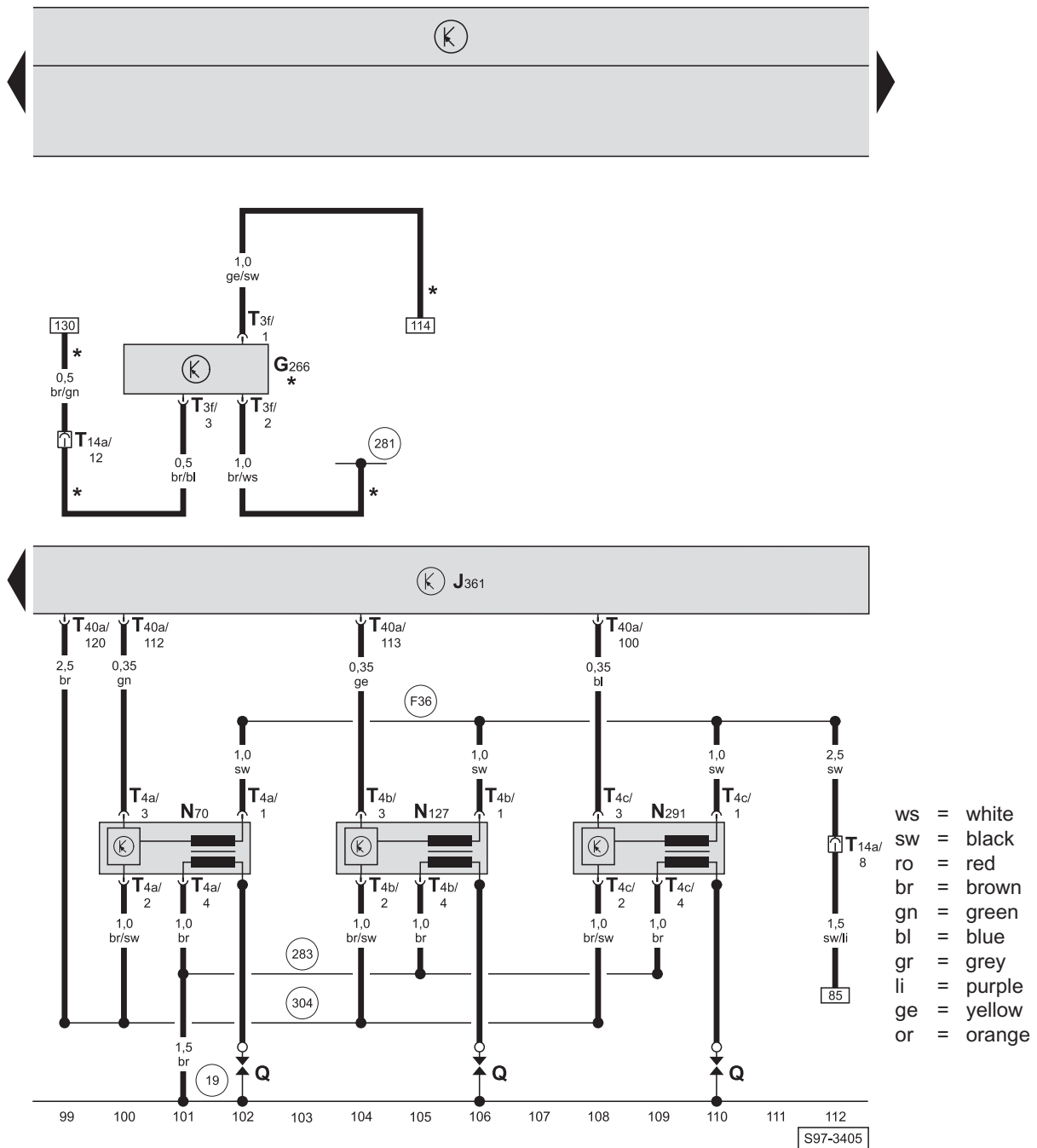
Simos control unit, throttle valve control unit, Simos power supply relay



- 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
- T6r - 6-pin connector, at left of bulkhead (brown)
- T6t - 6-pin connector, at throttle valve control unit
- 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

- 354 - Earth connection -2-, in wiring loom behind dash panel
- A74 - Positive connection (15a), in wiring loom behind dash panel
- D106 - Connection -4- (87a), in wiring loom on left of engine compartment

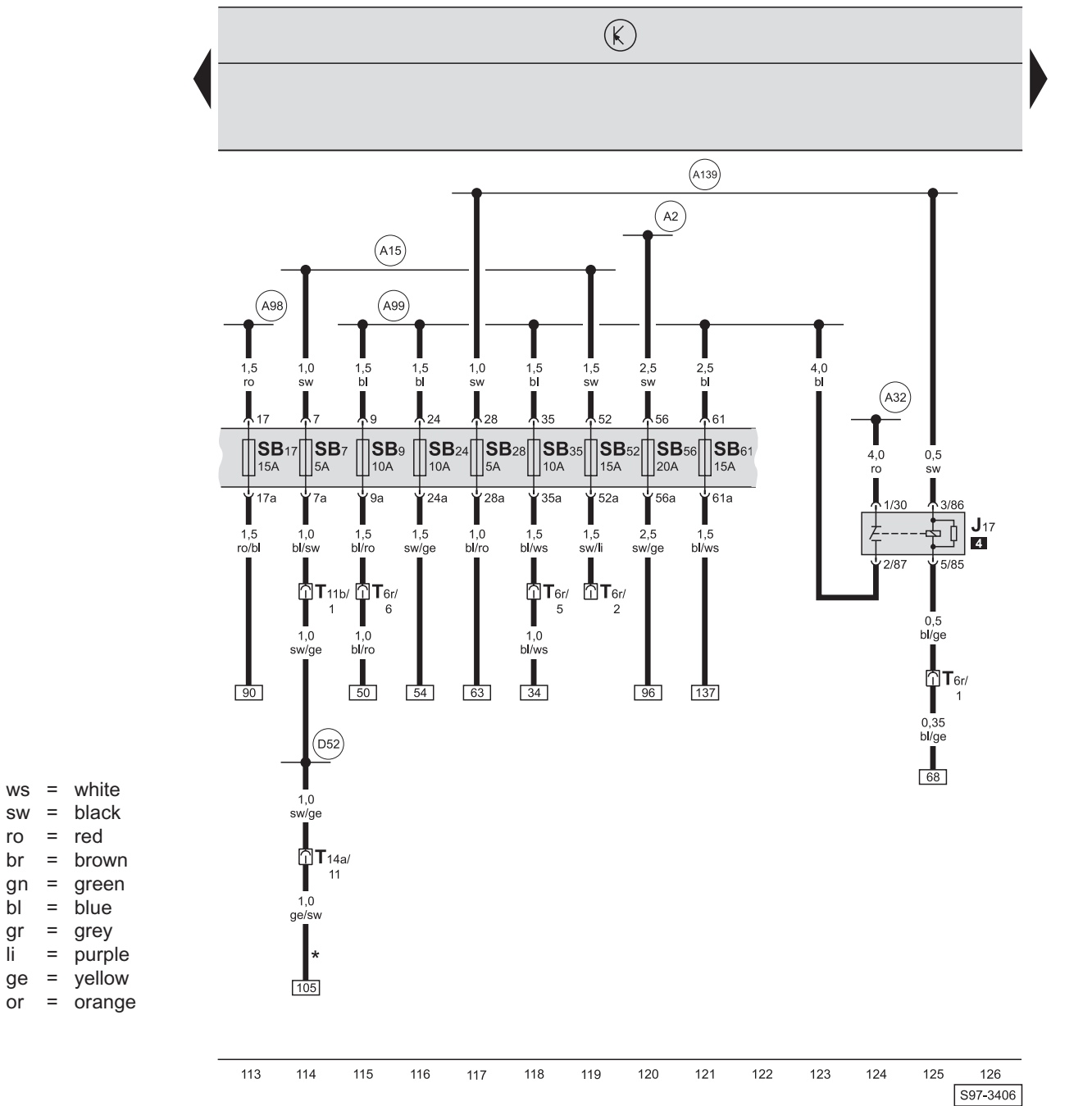
Simos control unit, Oil level/oil temperature sender, Ignition system



- G266 - Oil level/oil temperature sender
- J361 - Simos control unit
- 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
- 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
- 283 - Earth connection -2-, in engine pre-assembly wiring loom
- 304 - Earth connection (ignition coils), in engine pre-assembly wiring loom
- F36 - Connection (87a), in engine preassembly wiring loom
- * - applies only to models with extended service interval (ESI)

Fuel pump relay, fuse holder

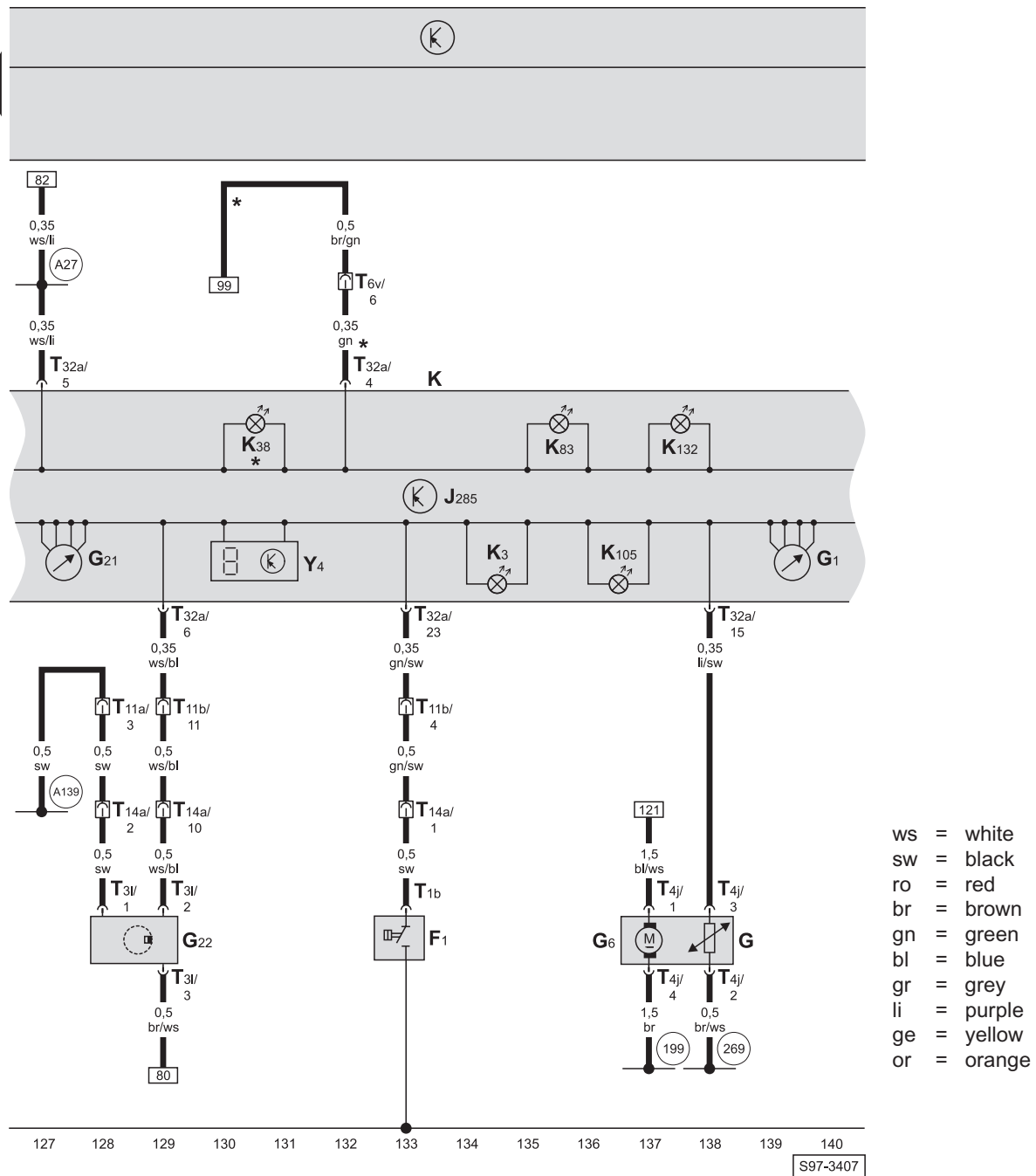


- J17 - Fuel pump relay
T6r - 6-pin connector, at left of bulkhead (brown)
T11b - 11-pin connector, at left of bulkhead (red)
T14a - Connector, 14-pin, in left of engine compartment (connection of the engine pre-assembly wiring loom/ engine compartment wiring loom)

- A2 - Positive connection (15), in wiring loom behind dash panel
A15 - Positive connection (15), in wiring loom behind dash panel
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

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

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
- 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

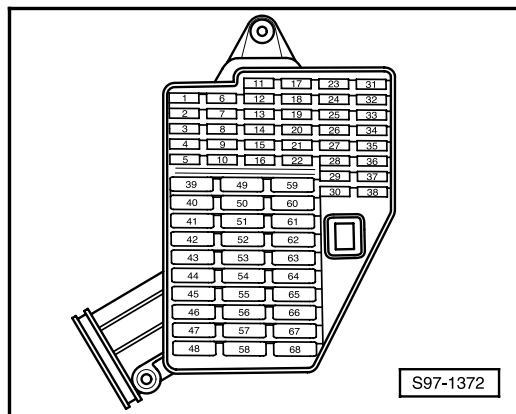
- 199 - Earth connection, in wiring harness behind dash panel
- 269 - Earth connection (sender earth) -1-, in wiring harness behind dash panel
- A27 - Connection (vehicle speed signal), in wiring loom behind dash panel
- A139 - Positive connection (15), in wiring loom behind dash panel

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

1.4 I - Simos 3 PB/44 kW, engine code AZE, from August 2002

1.4 I - Simos 3 PB/50 kW, engine code AME, from August 2002

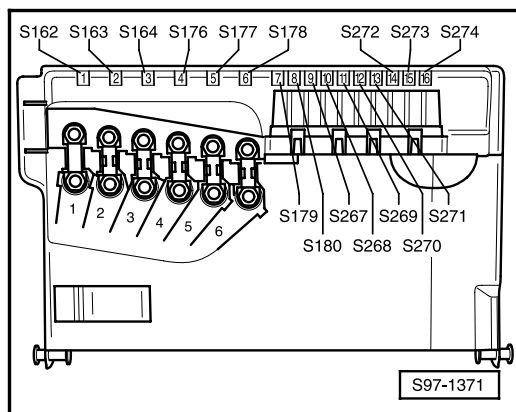
Fuse holder:



Fuse colours

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

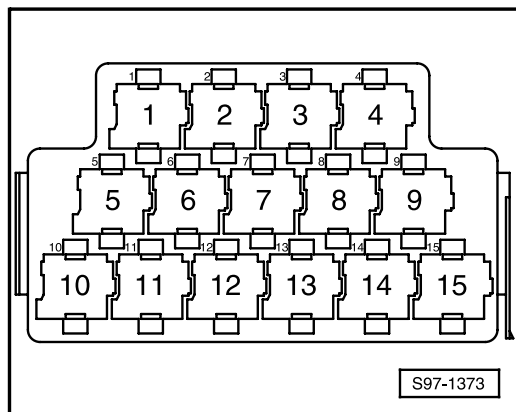
Fuse holder on battery:



Fuse colours

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

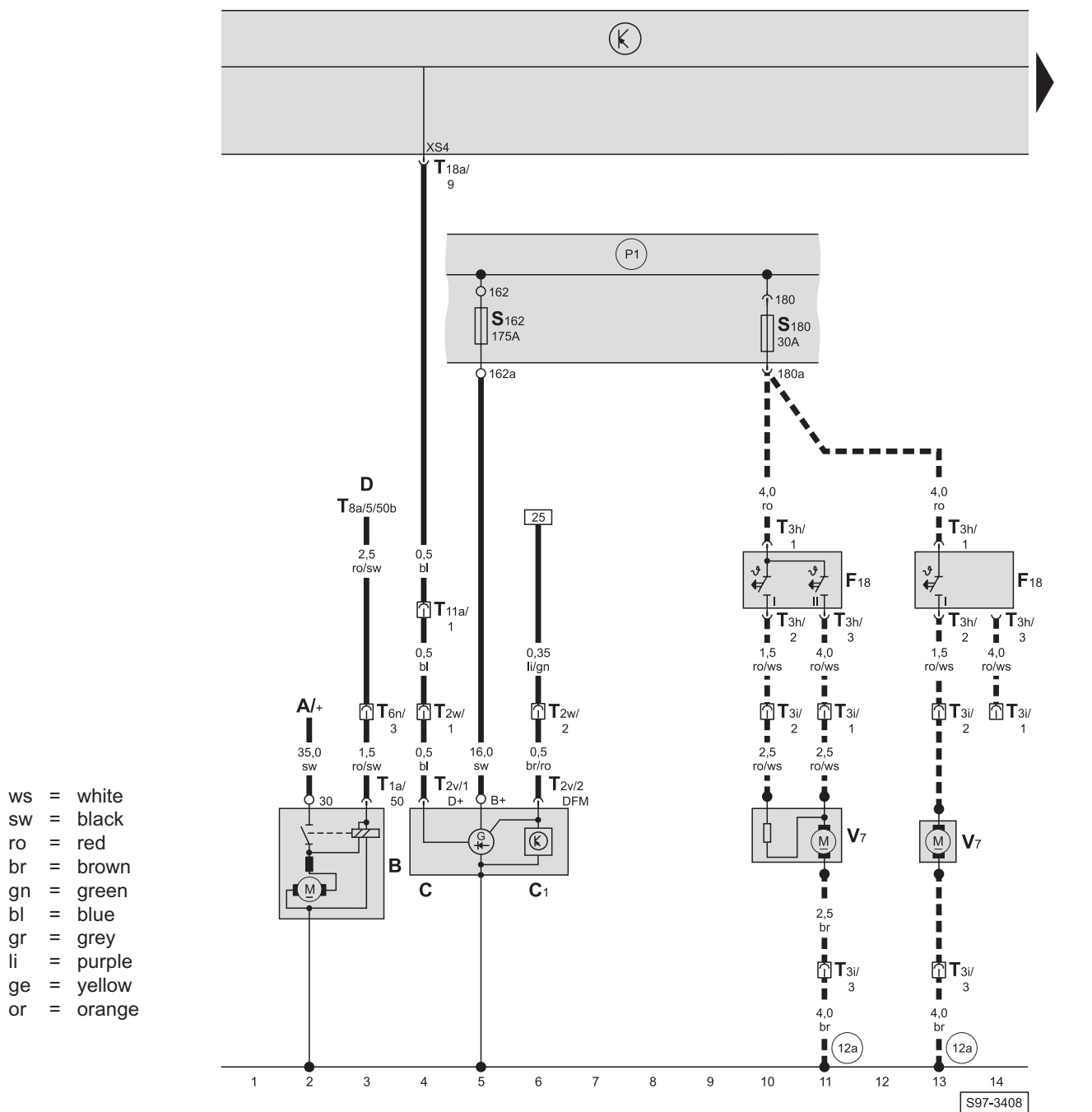
Relay holder:



Relay position assignment

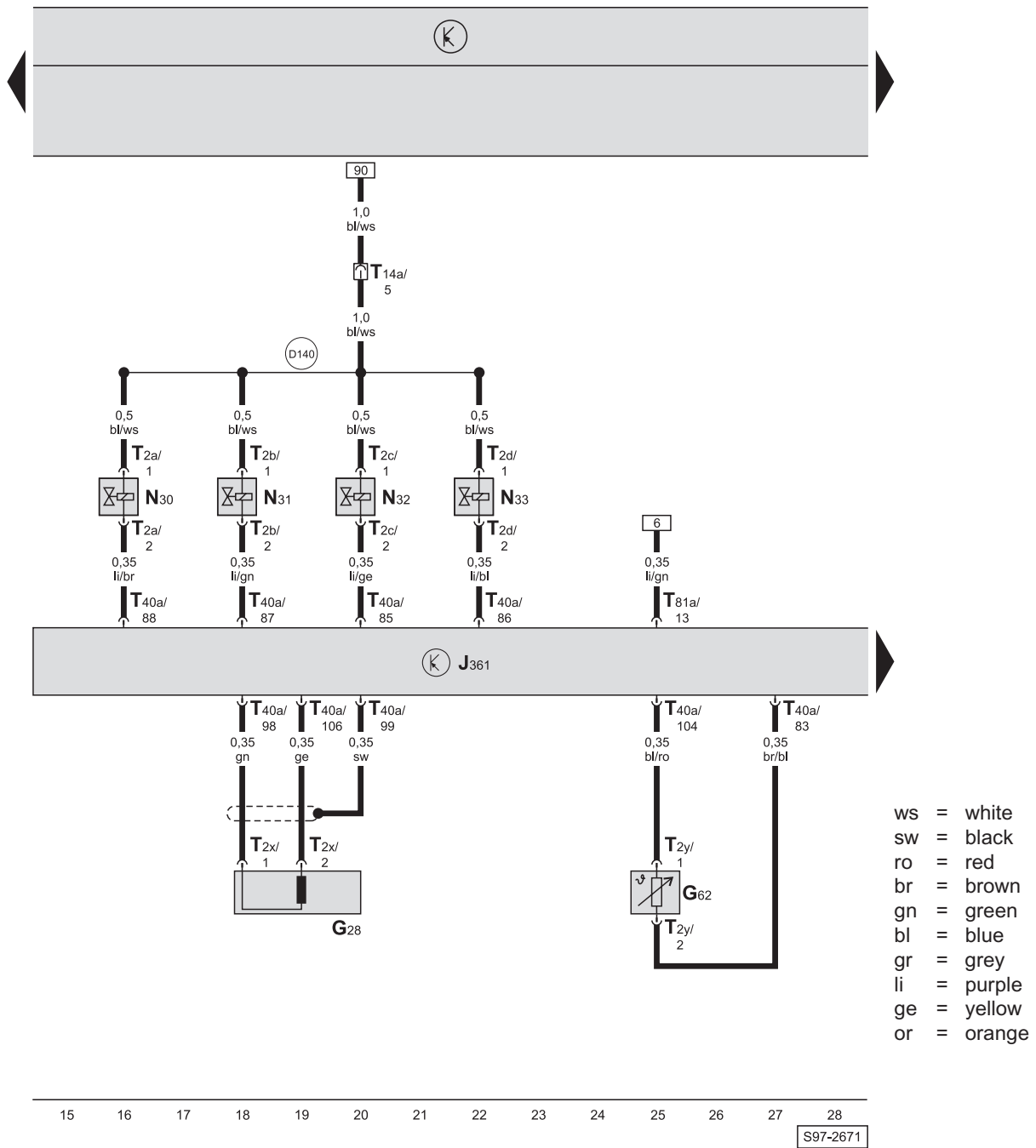
4 - Fuel pump relay

Starter, alternator, radiator fan, fuse holder on battery



- 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
- 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

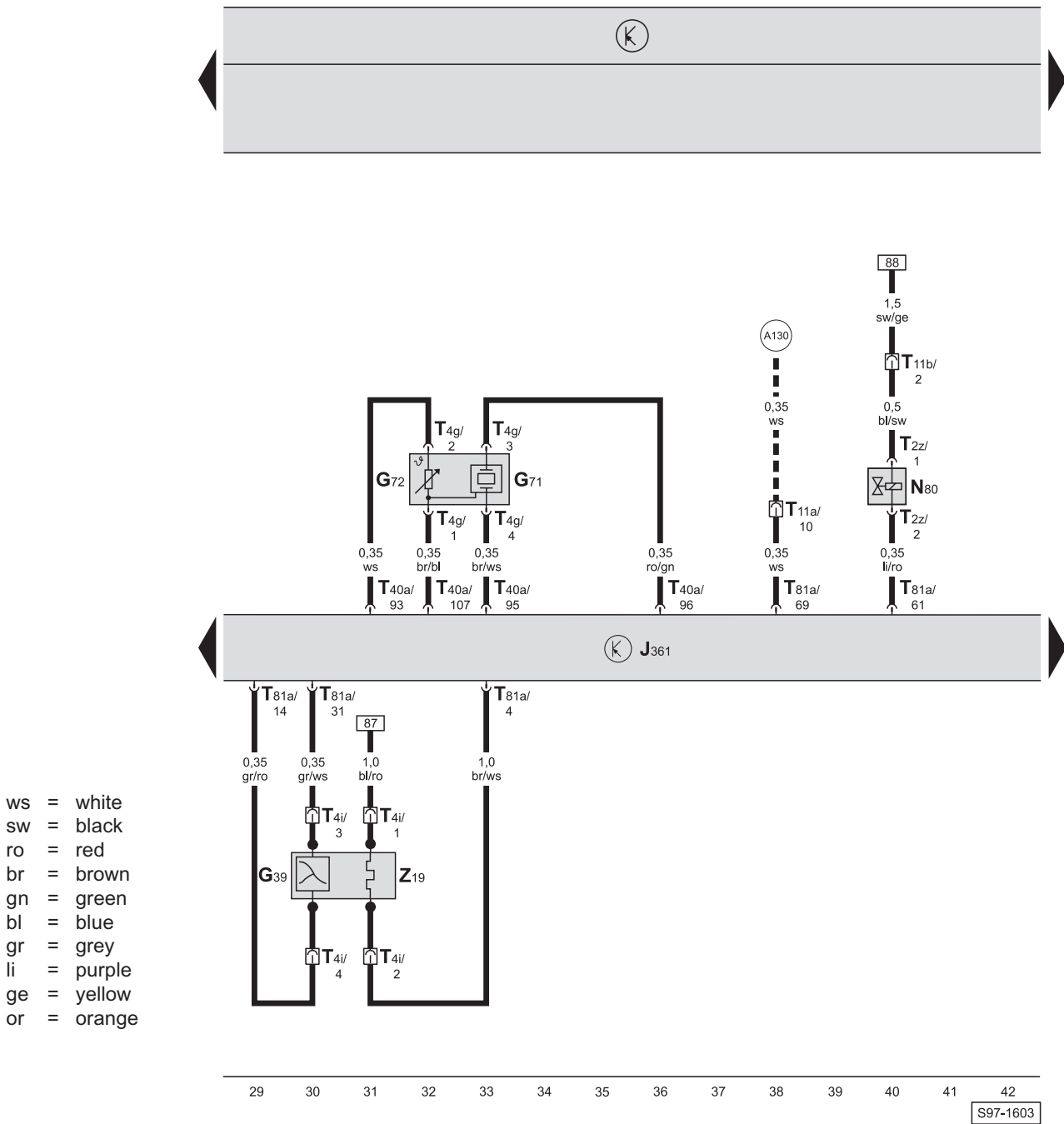
Simos control unit, injectors, engine speed sender, coolant temperature sender



- G28 - Engine speed sender
G62 - Coolant temperature sender
J361 - Simos 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
T2x - 2-pin connector, at engine speed sender
T2y - 2-pin connector, at coolant temperature 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

D140 - Connection (injectors), in engine assembly wiring loom

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

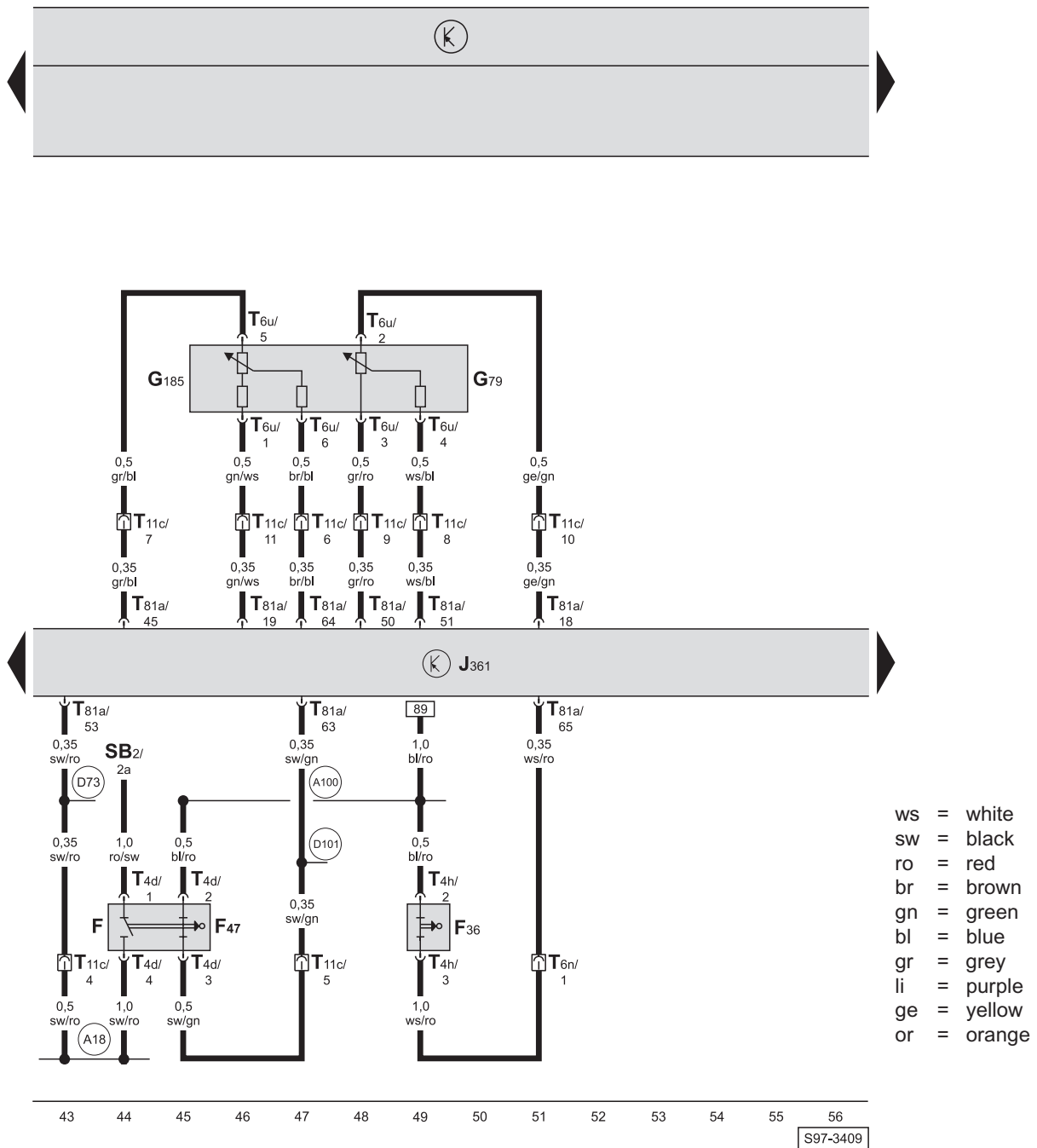


- G39 - Lambda probe
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- J361 - Simos control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system solenoid valve
- T4g - 4-pin connector, at intake manifold pressure and intake manifold temperature sender
- T4i - 4-pin connector, 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

(A130) - Connection (CCS), in wiring loom behind dash panel on left

■■■ - Applies only to models with CCS

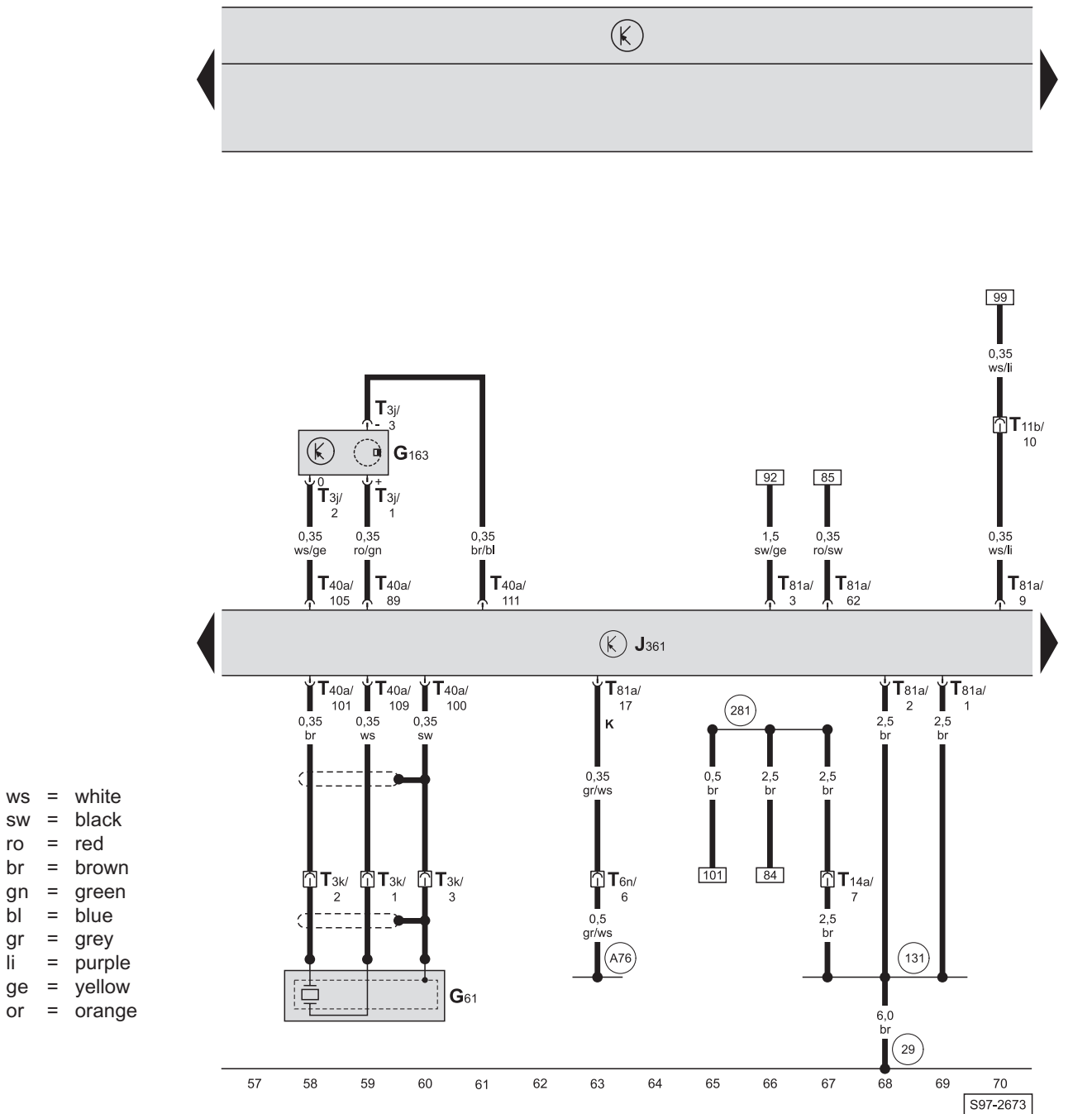
Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- F - Brake light switch
- F36 - Clutch pedal switch
- F47 - Brake pedal switch
- G79 - Accelerator position sender
- G185 - Accelerator pedal position sender -2-
- 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

- (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

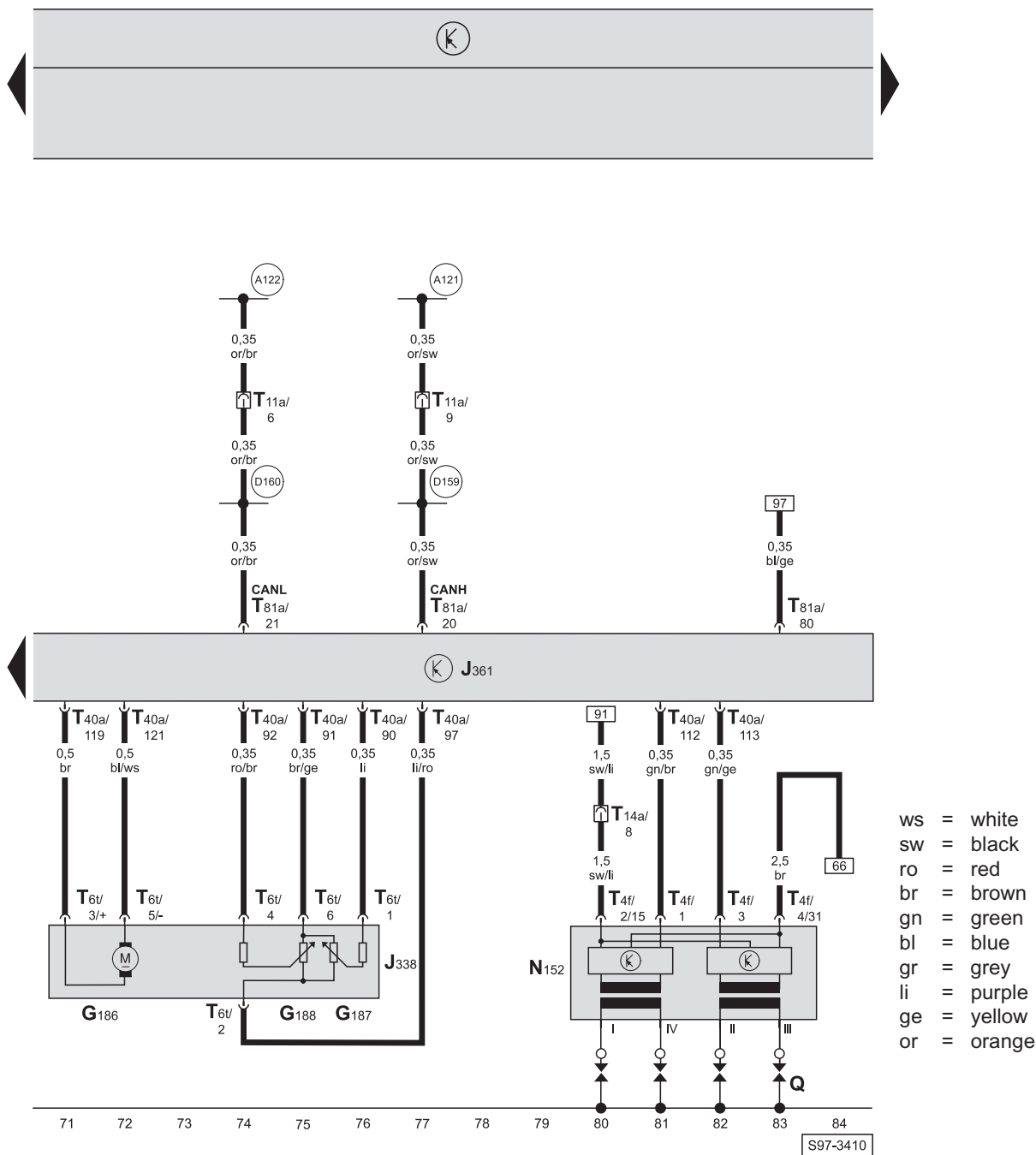
Simos control unit, knock sensor I, camshaft position sender



- 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)
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
281 - Earth connection -1-, in engine pre-assembly wiring loom
A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left

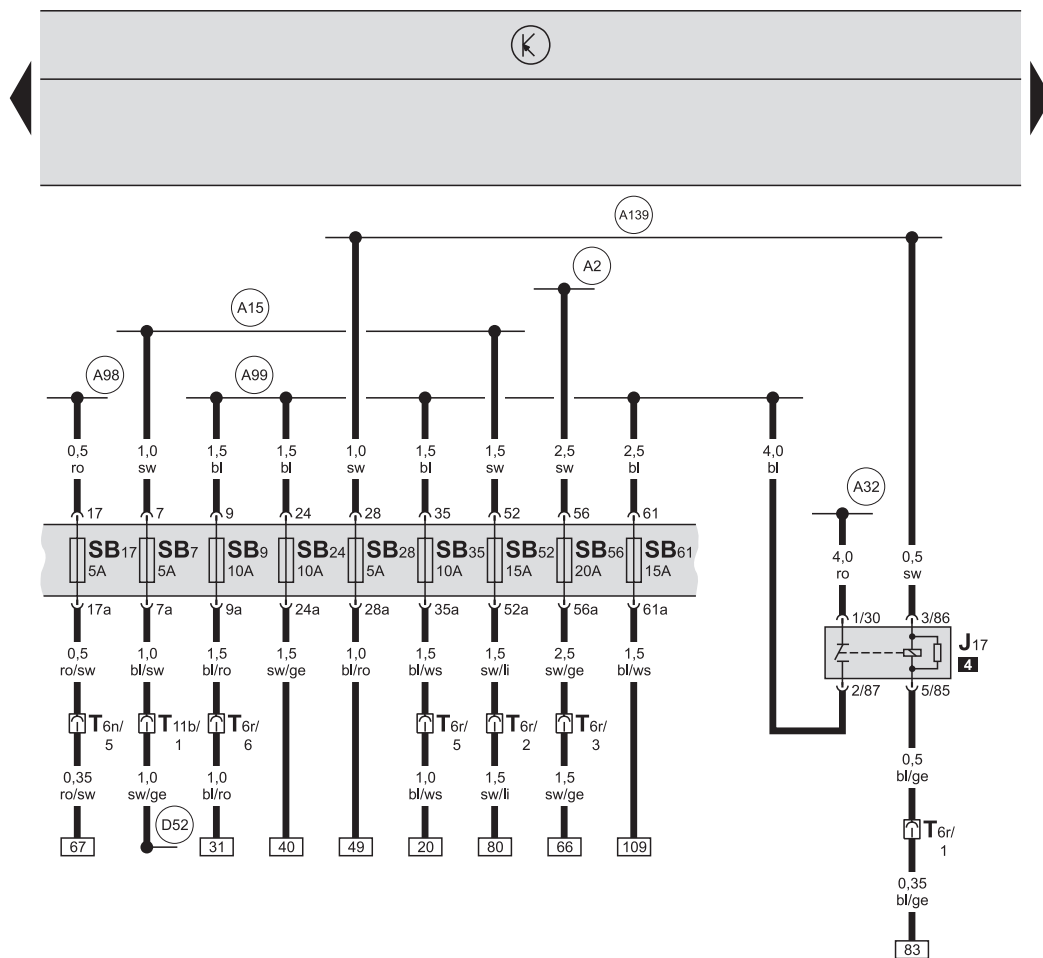
Simos control unit, throttle valve control unit, ignition system



- 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
- N152 - Ignition transformer (ignition terminal strip)
- Q - Spark plugs
- T4f - 4-pin connector, at ignition transformer (ignition terminal strip)
- T6t - 6-pin connector, at throttle valve control unit
- 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

- 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

Fuel pump relay, fuse holder



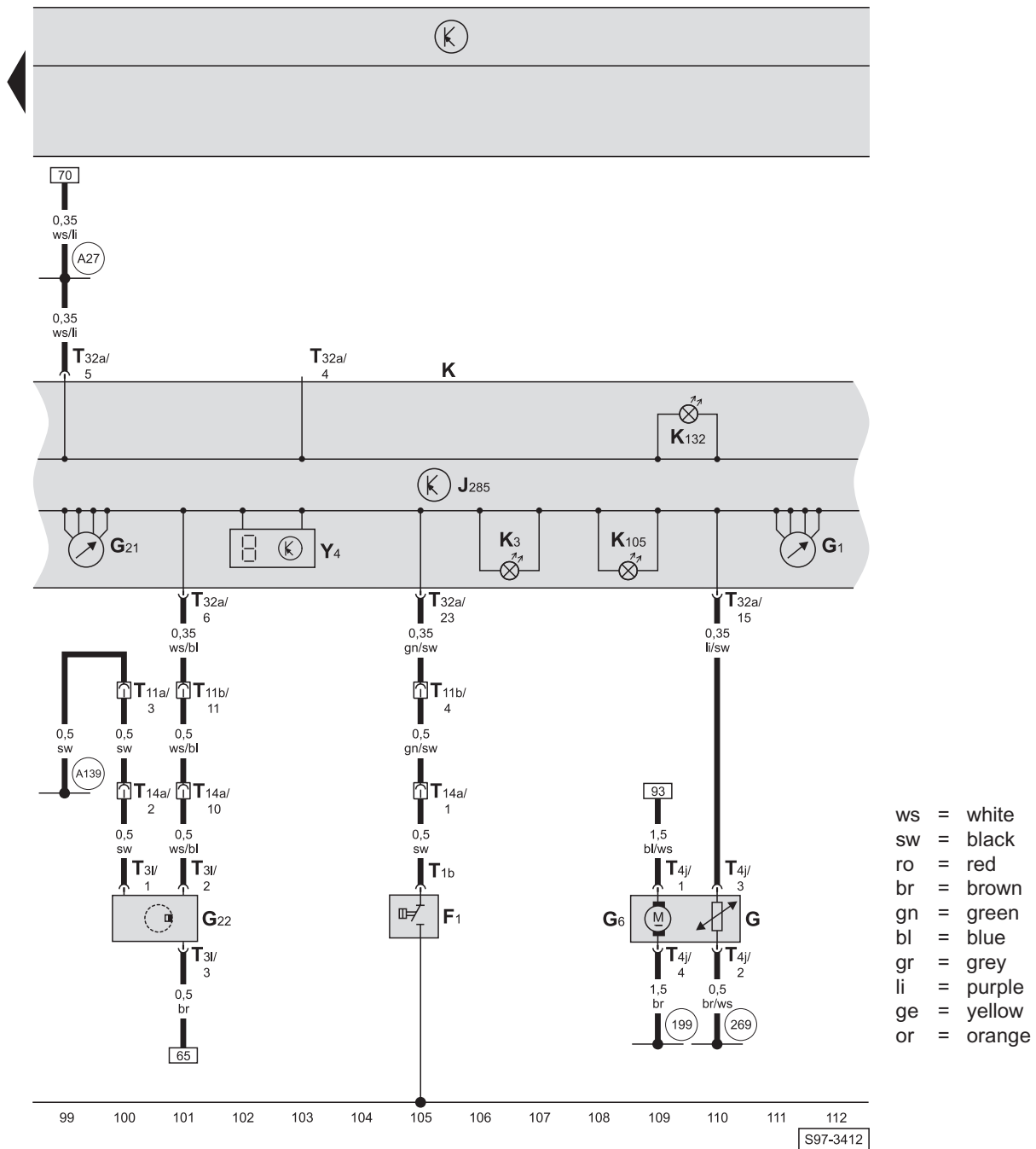
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange

85 86 87 88 89 90 91 92 93 94 95 96 97 98
 S97-3411

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

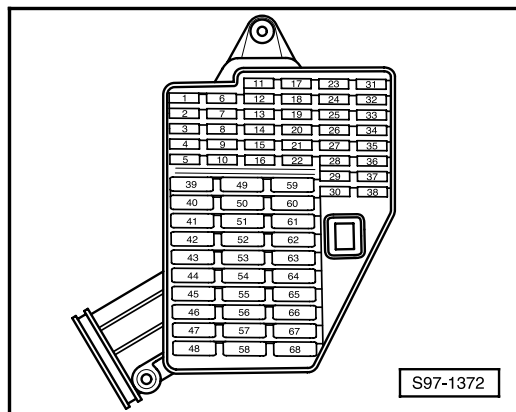


- F1 - Oil pressure switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G6 - Fuel pump
- G21 - Speedometer
- G22 - Speedometer sender
- J285 - Control unit in dash panel insert
- K - Dash panel insert
- K3 - Oil pressure warning lamp
- K105 - Reserve fuel warning lamp
- K132 - Electric throttle control 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

1.4 I - Simos 3 PA/44 kW, engine code AZF, from August 2002

1.4 I - Simos 3 PA/50 kW, engine code AQW, from August 2002

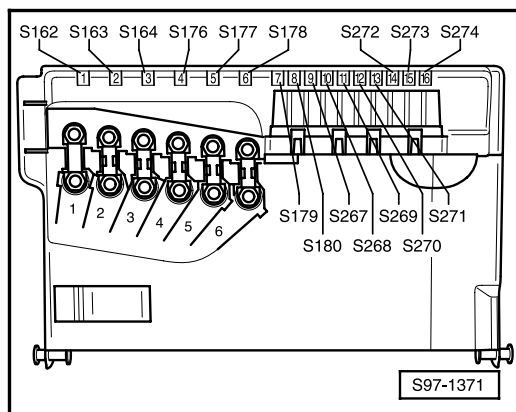
Fuse holder:



Fuse colours

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

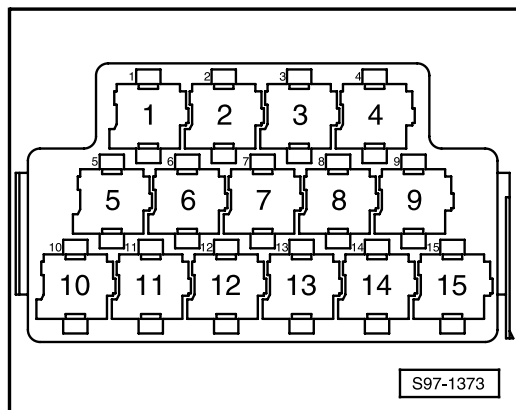
Fuse holder on battery:



Fuse colours

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

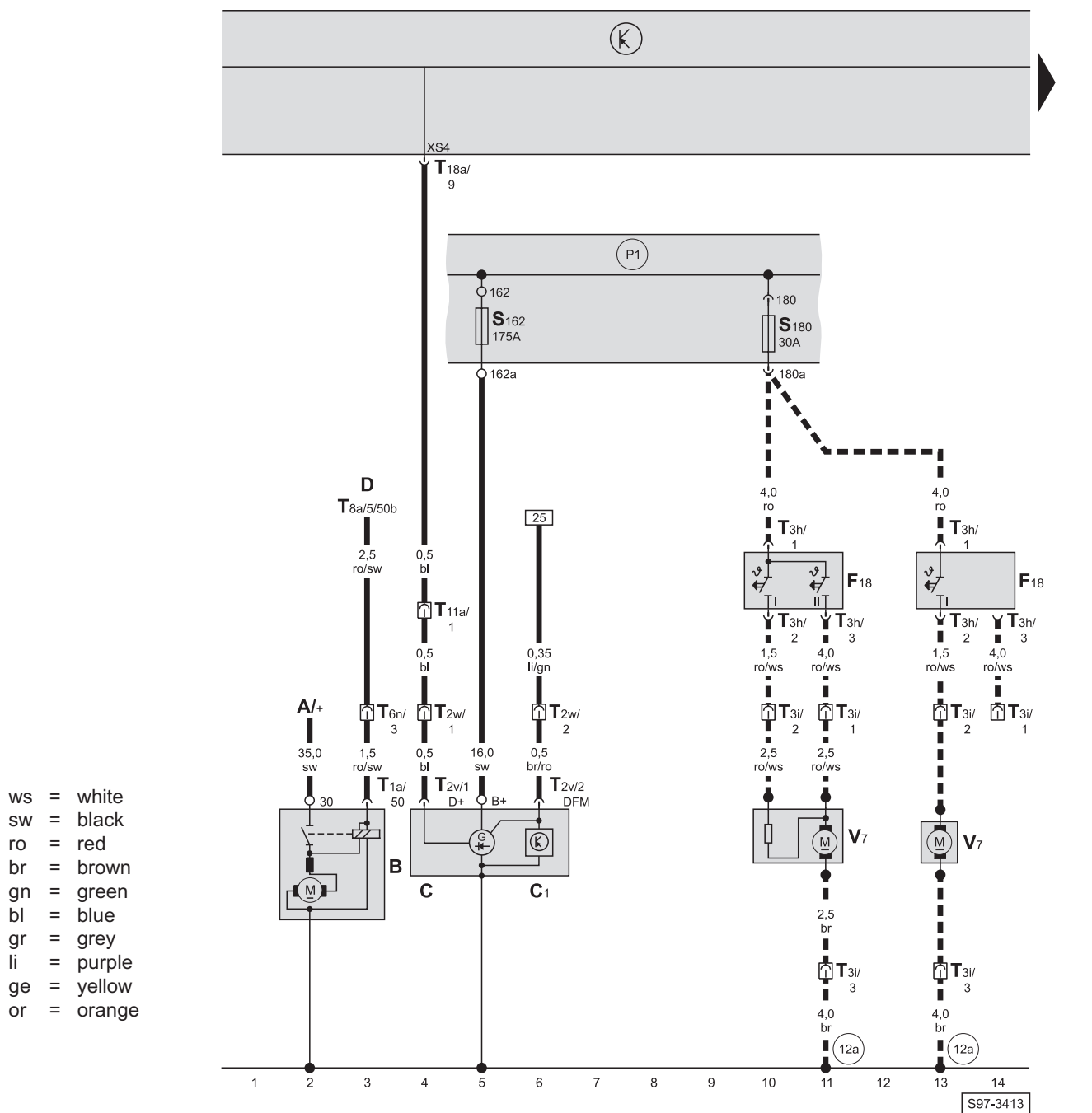
Relay holder:



Relay position assignment

4 - Fuel pump relay

Starter, alternator, radiator fan, fuse holder on battery

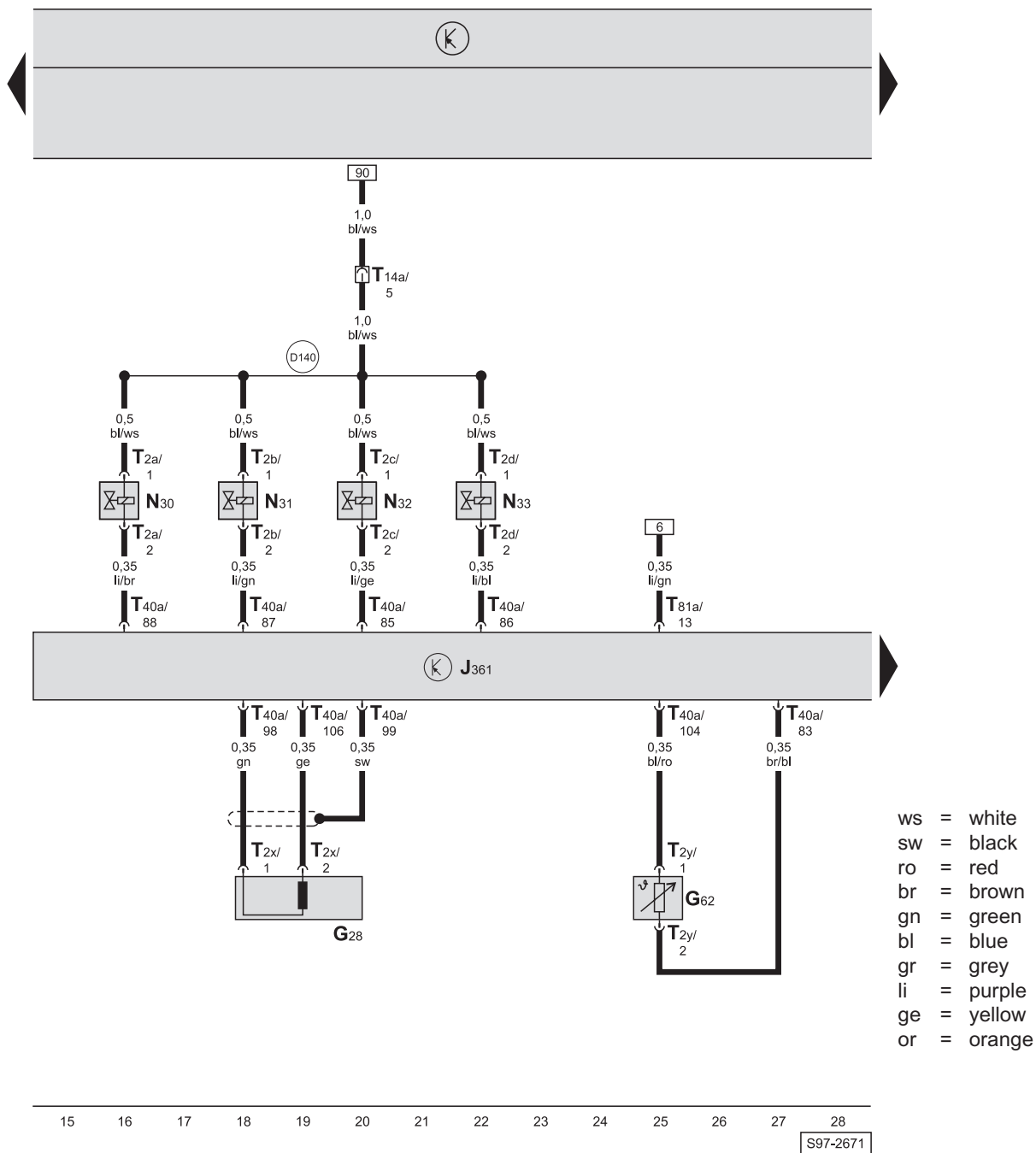


- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- F18 - Radiator fan thermostats
- S162 - Fuse -1- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- T1a - 1-pin connector, at starter
- T2v - 2-pin connector, at alternator
- 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 vary according to optional equipment (does not apply to models with air conditioning)

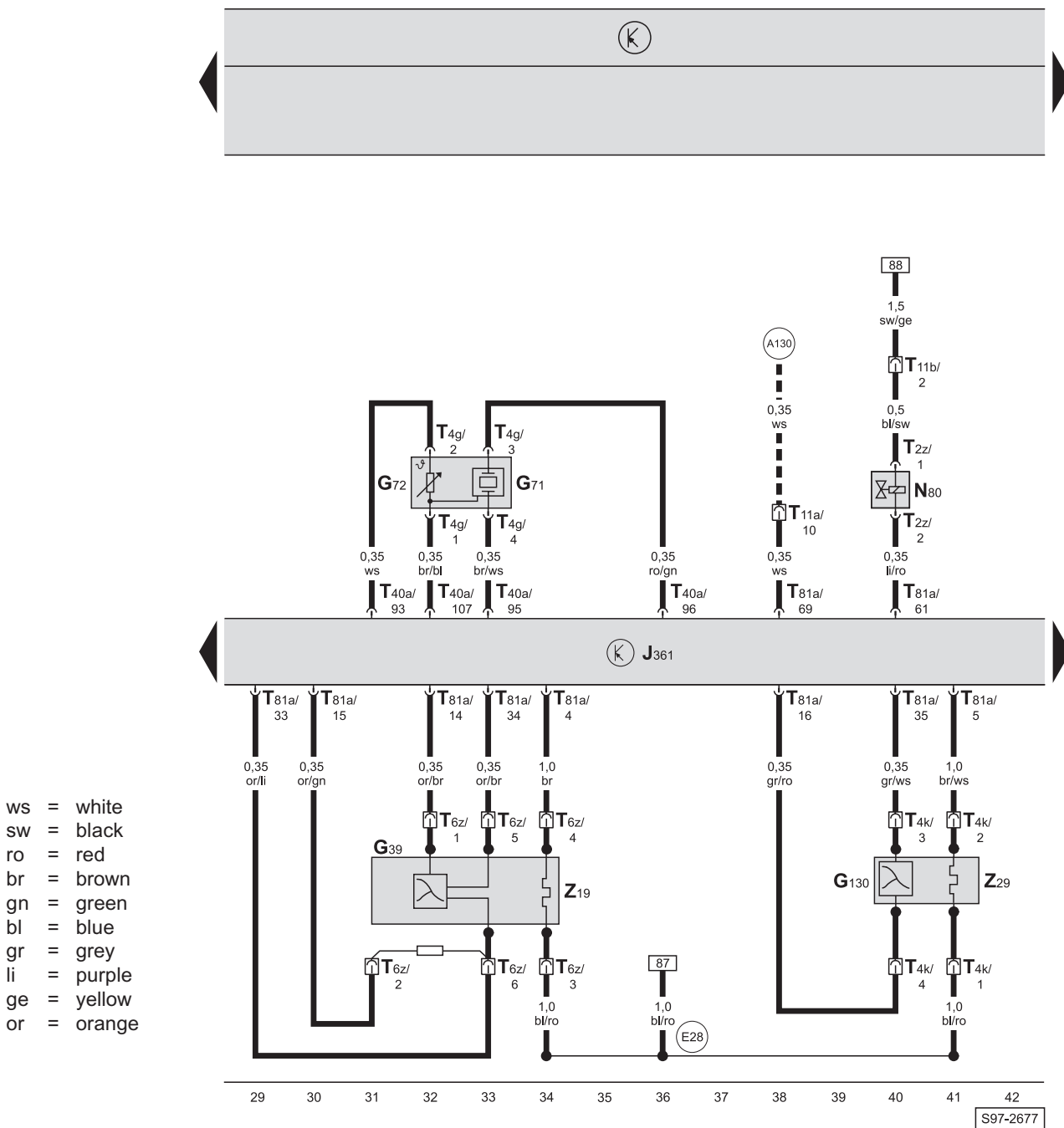
Simos control unit, injectors, engine speed sender, coolant temperature sender



- G28 - Engine speed sender
- G62 - Coolant temperature sender
- J361 - Simos 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
- T2x - 2-pin connector, at engine speed sender
- T2y - 2-pin connector, at coolant temperature 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

(D140) - Connection (injectors), in engine assembly wiring loom

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

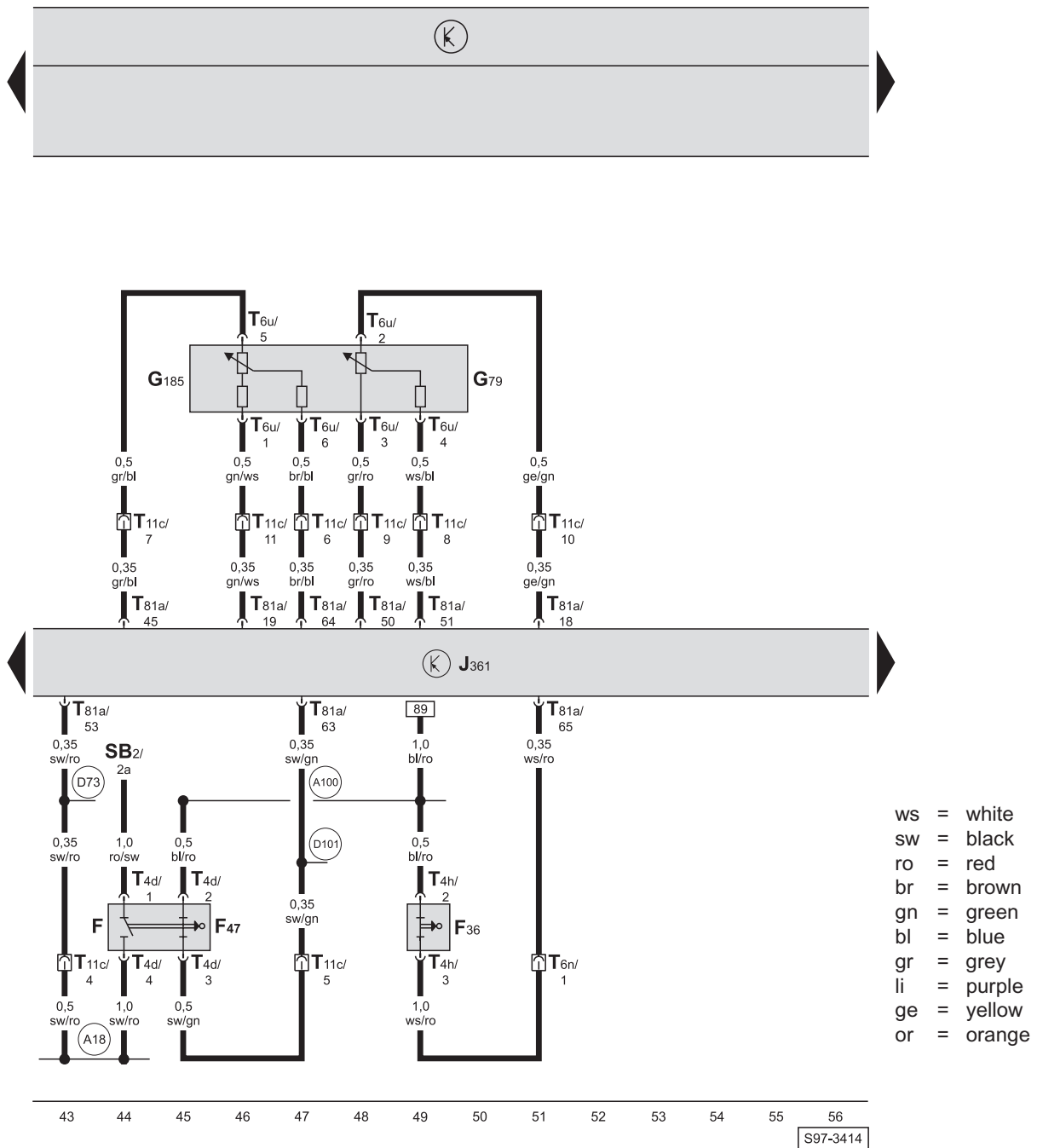


- G39 - Lambda probe
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J361 - Simos control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system 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

- A130 - Connection (CCS), in wiring loom behind dash panel on left
- E28 - Connection (lambda probe heater), in engine compartment wiring loom

■■■ - Applies only to models with CCS

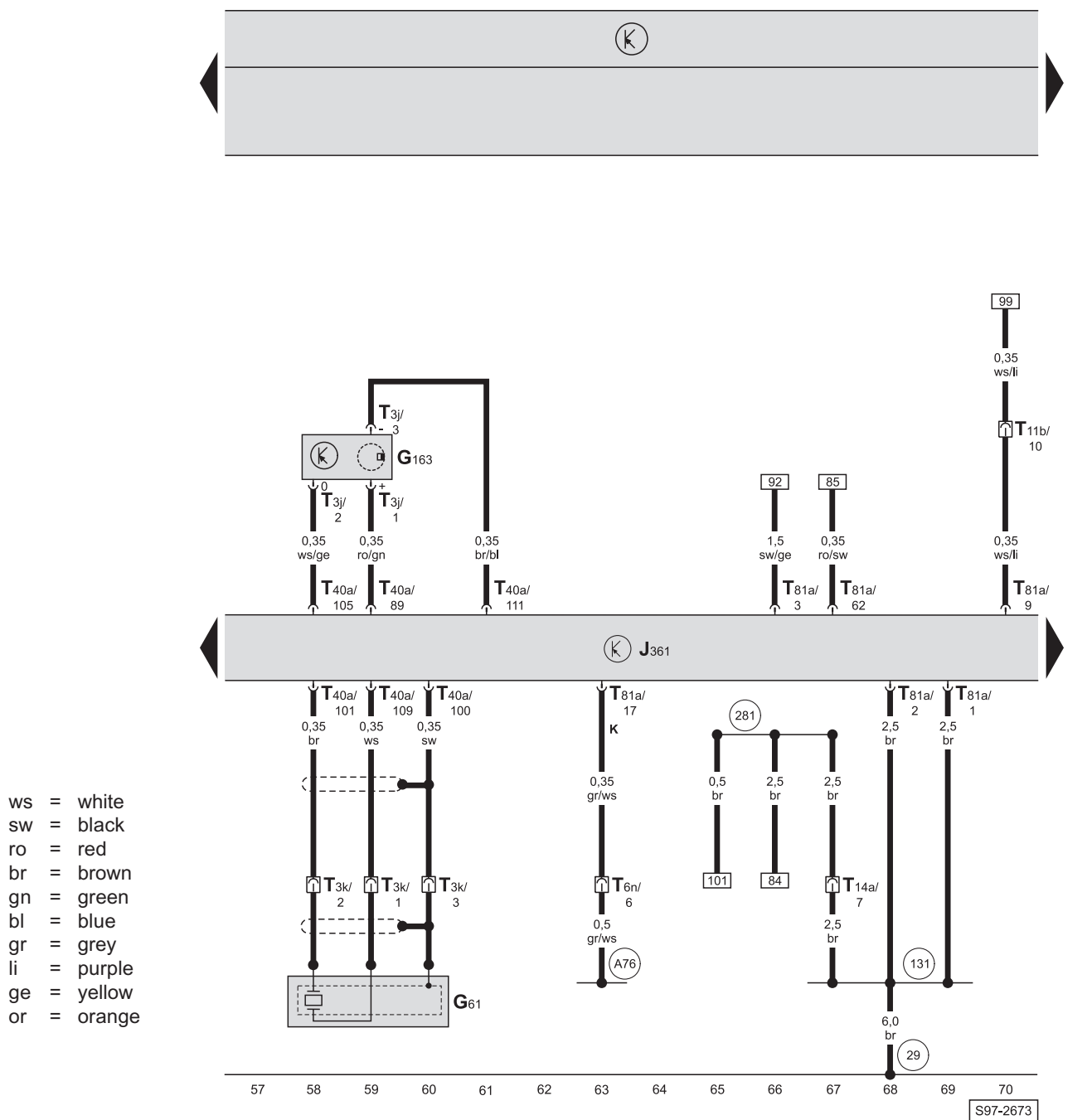
Simos control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- 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

- (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

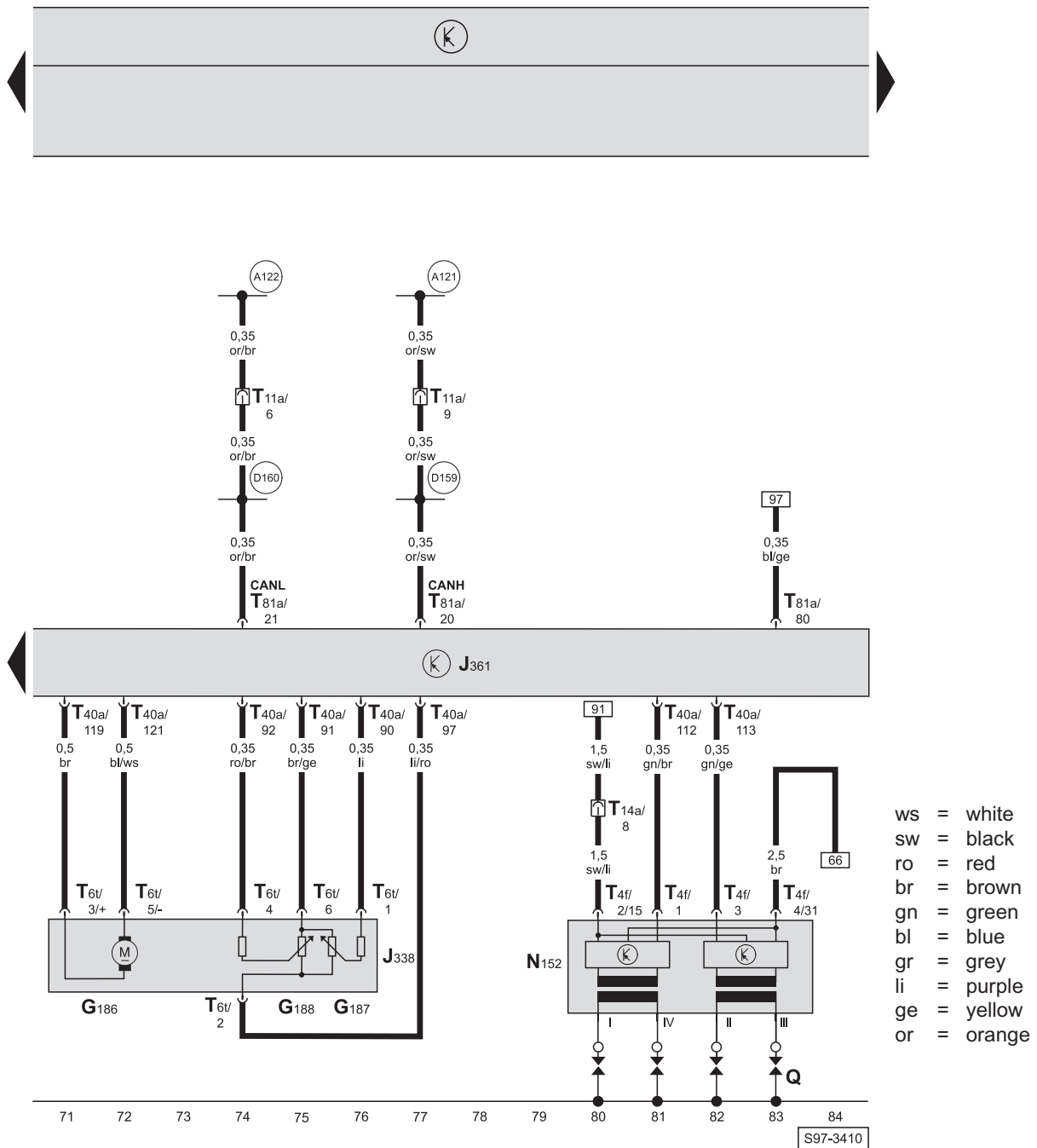
Simos control unit, knock sensor I, camshaft position sender



- 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)
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
281 - Earth connection -1-, in engine pre-assembly wiring loom
A76 - Connection (K diagnosis wire), in wiring loom behind dash panel on left

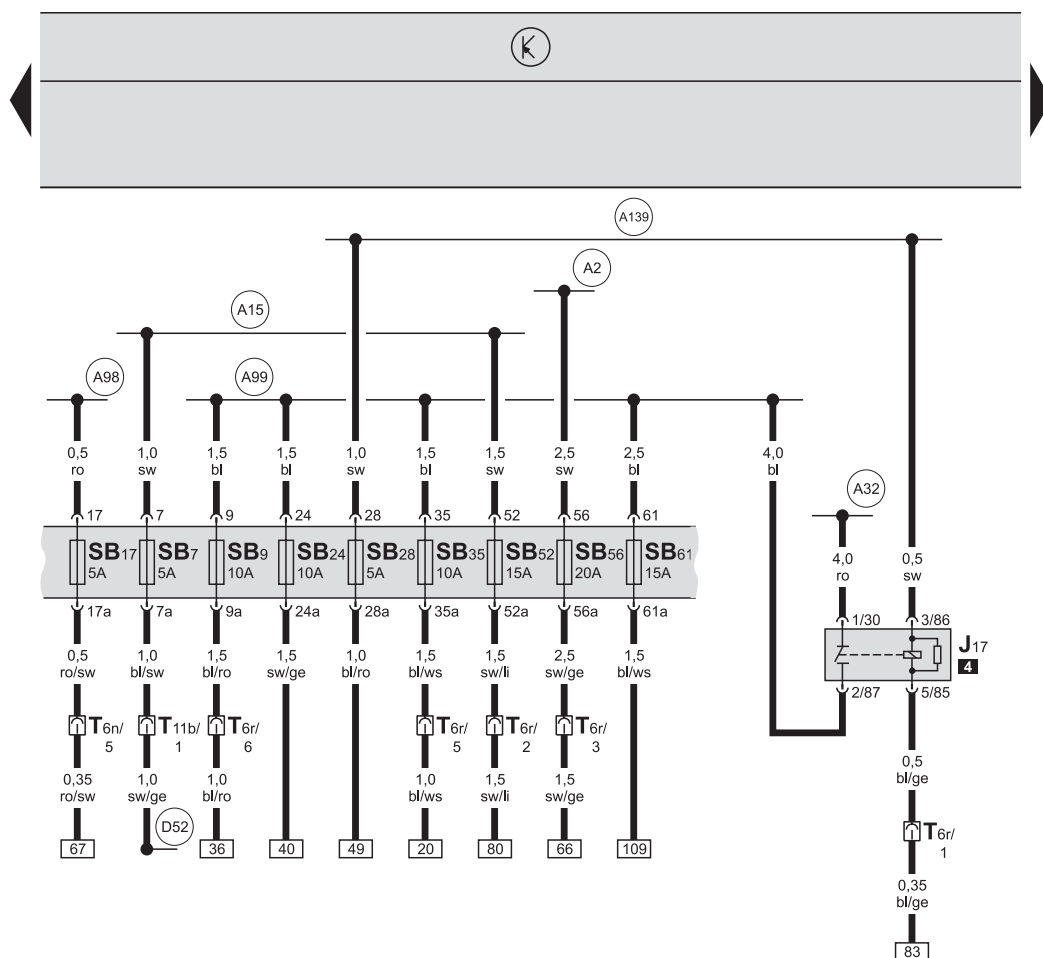
Simos control unit, throttle valve control unit, ignition system



- 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
- N152 - Ignition transformer (ignition terminal strip)
- Q - Spark plugs
- T4f - 4-pin connector, at ignition transformer (ignition terminal strip)
- T6t - 6-pin connector, at throttle valve control unit
- 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

- 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

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
 S97-3415

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

The diagram illustrates the electrical distribution system for a building, showing a main busbar (K) with various branch circuits. The system includes components like switches (T), relays (K), and motors (G). The diagram also shows a detailed view of a specific circuit (A139) and a motor control circuit (G6).

Main Busbar (K) and Branch Circuits:

- Top Left:** A 70V supply line (0,35 ws/li) connects to a switch (T_{32a/5}) and a relay (A27).
- Top Center:** A 32a/4 switch (T_{32a/4}) is connected to the main busbar.
- Top Right:** Two relays (K₈₃ and K₁₃₂) are connected to the main busbar.
- Center:** A 32a/23 switch (T_{32a/23}) is connected to the main busbar.
- Bottom Left:** A 32a/6 switch (T_{32a/6}) is connected to the main busbar.
- Bottom Center:** A 32a/15 switch (T_{32a/15}) is connected to the main busbar.

Other Components and Circuits:

- Relays (K):** K₈₃, K₁₃₂, K₃, K₁₀₅, K₁₀₅, K₁₀₅.
- Switches (T):** T_{32a/5}, T_{32a/4}, T_{32a/23}, T_{32a/6}, T_{32a/15}, T_{11a/3}, T_{11b/11}, T_{14a/2}, T_{14a/10}, T_{3/1}, T_{3/2}, T_{3/3}, T_{1b}, T_{4j/1}, T_{4j/3}, T_{4j/4}, T_{4j/2}.
- Motors (G):** G₂₁, G₁, G₂₂, G₆.
- Other Components:** A₁₃₉, Y₄, F₁, A₁₉₉, A₂₆₉.

Wiring and Connections:

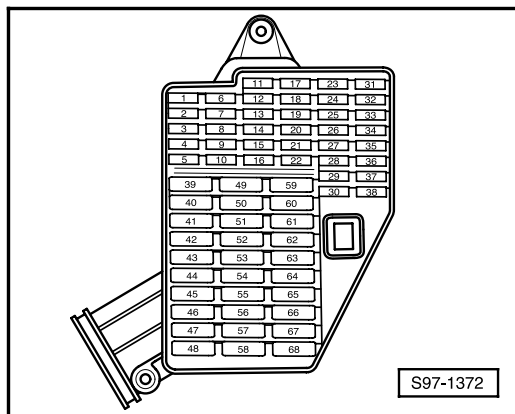
- 0,35 ws/li:** Wire type for the top left supply line.
- 0,35 ws/bl:** Wire type for the bottom left branch circuit.
- 0,35 gn/sw:** Wire type for the center branch circuit.
- 0,35 li/sw:** Wire type for the bottom right branch circuit.
- 0,5 sw:** Wire type for the bottom left branch circuit.
- 0,5 ws/bl:** Wire type for the bottom left branch circuit.
- 0,5 gn/sw:** Wire type for the center branch circuit.
- 0,5 sw:** Wire type for the center branch circuit.
- 0,5 br:** Wire type for the bottom left branch circuit.
- 1,5 bl/ws:** Wire type for the bottom right branch circuit.
- 1,5 br:** Wire type for the bottom right branch circuit.
- 0,5 br/ws:** Wire type for the bottom right branch circuit.

- 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

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

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

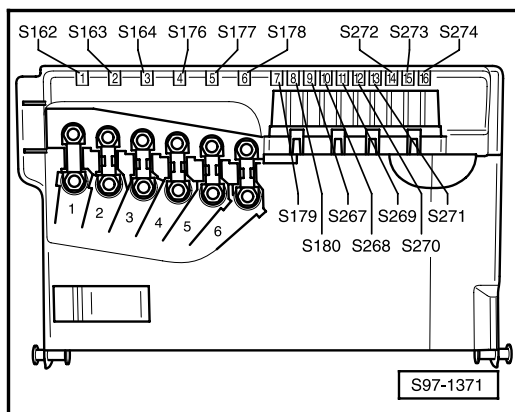
Fuse holder:



Fuse colours

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

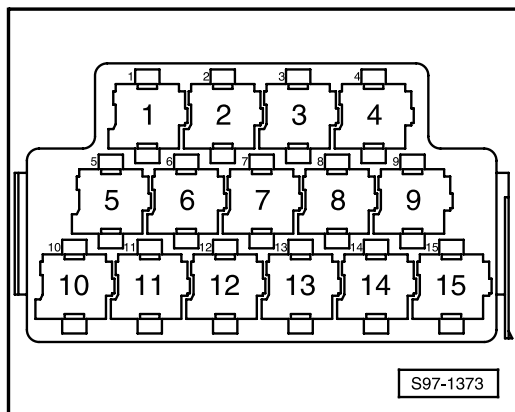
Fuse holder on battery:



Fuse colours

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

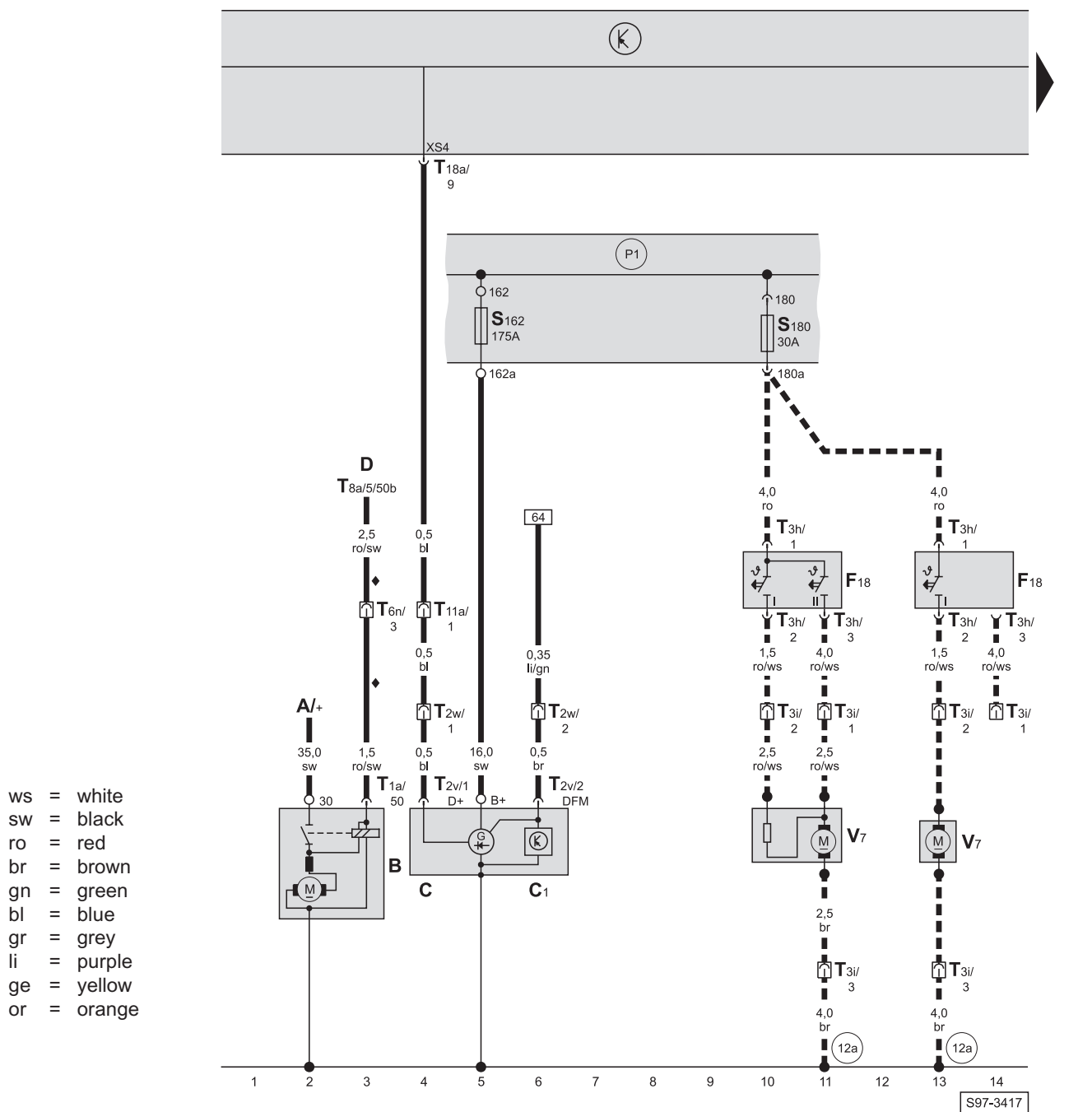
Relay holder:



Relay position assignment

4 - Fuel pump relay
9 - Fuel feed relay

Starter, alternator, radiator fan, fuse holder on battery



The diagram illustrates the wiring for a 24-pin connector. The top section, labeled with a circled 'K', shows a 24-pin connector with the following connections:

- Pin 1: 0,5 bl/ws to T2a/1, then 0,35 li/br to T40a/96.
- Pin 2: 0,5 bl/ws to T2b/1, then 0,35 li/gn to T40a/97.
- Pin 3: 0,5 bl/ws to T2c/1, then 0,35 li/ge to T40a/88.
- Pin 4: 0,5 bl/ws to T2d/1, then 0,35 li/bl to T40a/89.
- Pin 5: 1,0 bl/ws to T14a/5, then 1,0 bl/ws to T6a/1.
- Pin 6: 1,0 sw/ro to T6a/5.
- Pin 7: 0,5 ro/gn to T6a/2.
- Pin 8: 0,5 br/bl to T6a/4.
- Pin 9: 1,0 li/ws to T40a/114.
- Pin 10: 0,35 gn/ws to T40a/100.

The bottom section, labeled with a circled 'J687', shows a 24-pin connector with the following connections:

- Pin 1: 0,35 ge to T3m/1.
- Pin 2: 0,35 ws to T3m/2.
- Pin 3: 0,35 ws to T3m/3.
- Pin 4: 0,5 br/bl to T2y/1.
- Pin 5: 0,5 br/bl to T2y/2.
- Pin 6: 0,35 bl to T2y/1.
- Pin 7: 0,35 br/bl to T2y/2.
- Pin 8: 0,35 br/bl to T40a/108.

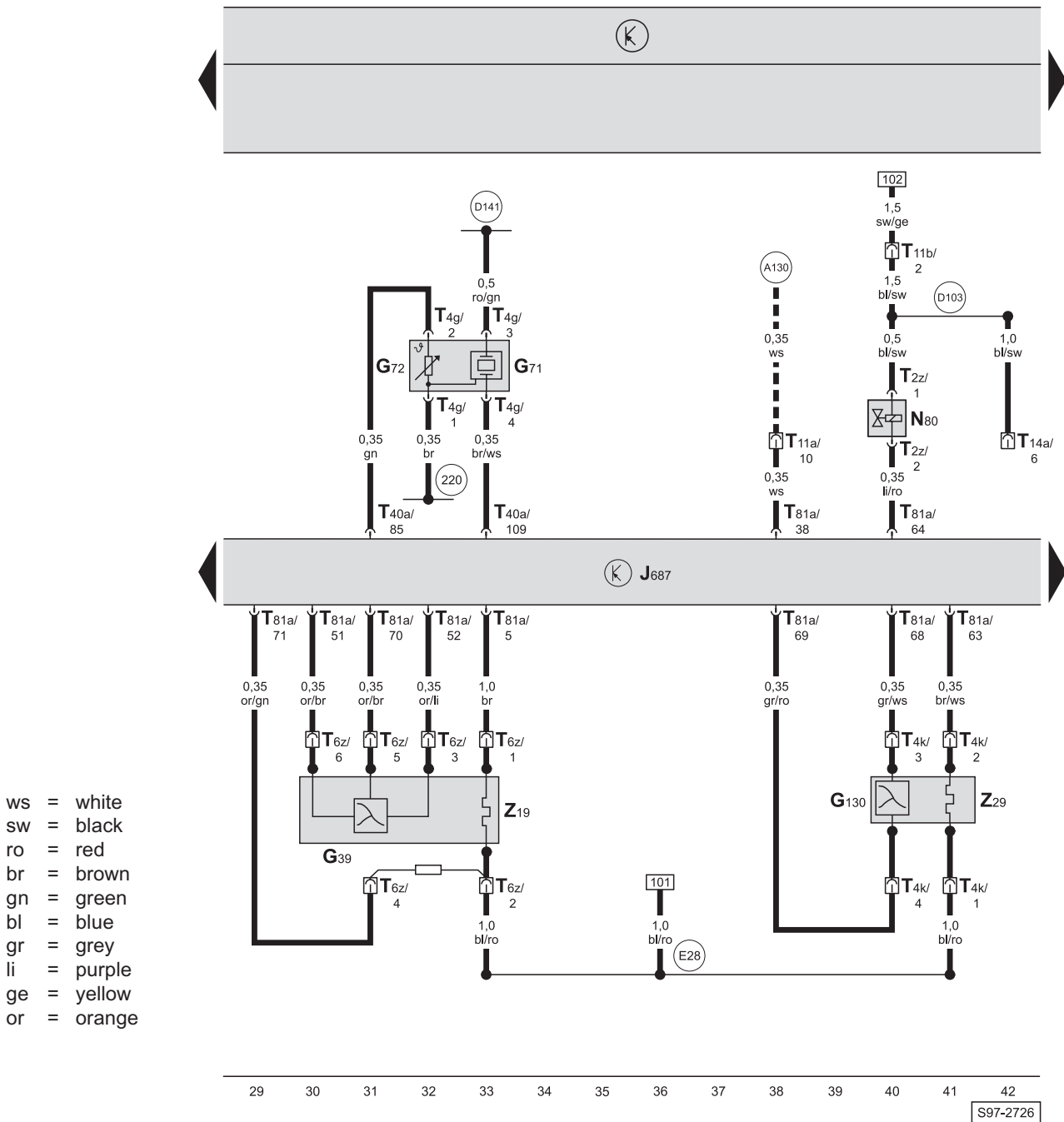
The diagram also shows the following components and their connections:

- N30, N31, N32, N33:** 4-pin connectors with 2 pins each.
- N18:** 4-pin connector with 2 pins.
- G212:** 4-pin connector with 2 pins.
- D140:** 4-pin connector with 2 pins.
- G28:** 4-pin connector with 2 pins.
- G62:** 4-pin connector with 2 pins.
- D220:** 4-pin connector with 2 pins.

The diagram is a detailed wiring diagram for a 24-pin connector, showing the connections between the top and bottom sections. The top section is labeled with a circled 'K' and the bottom section with a circled 'J687'. The diagram shows the wiring connections between the two sections, including component labels, pin numbers, and wire colors.

- 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

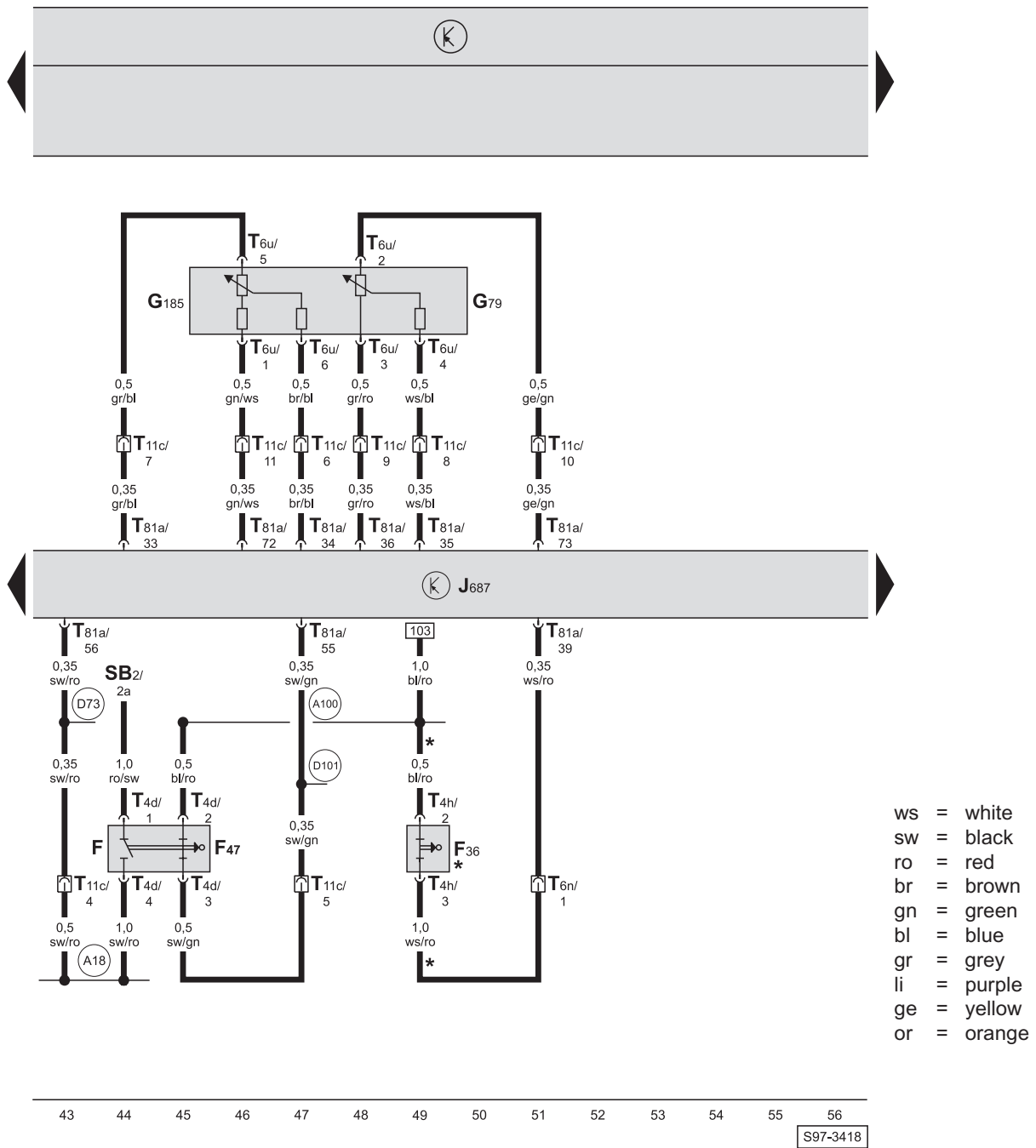


- G39 - Lambda probe
- G71 - Intake manifold pressure sender
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J687 - 4MV control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system 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

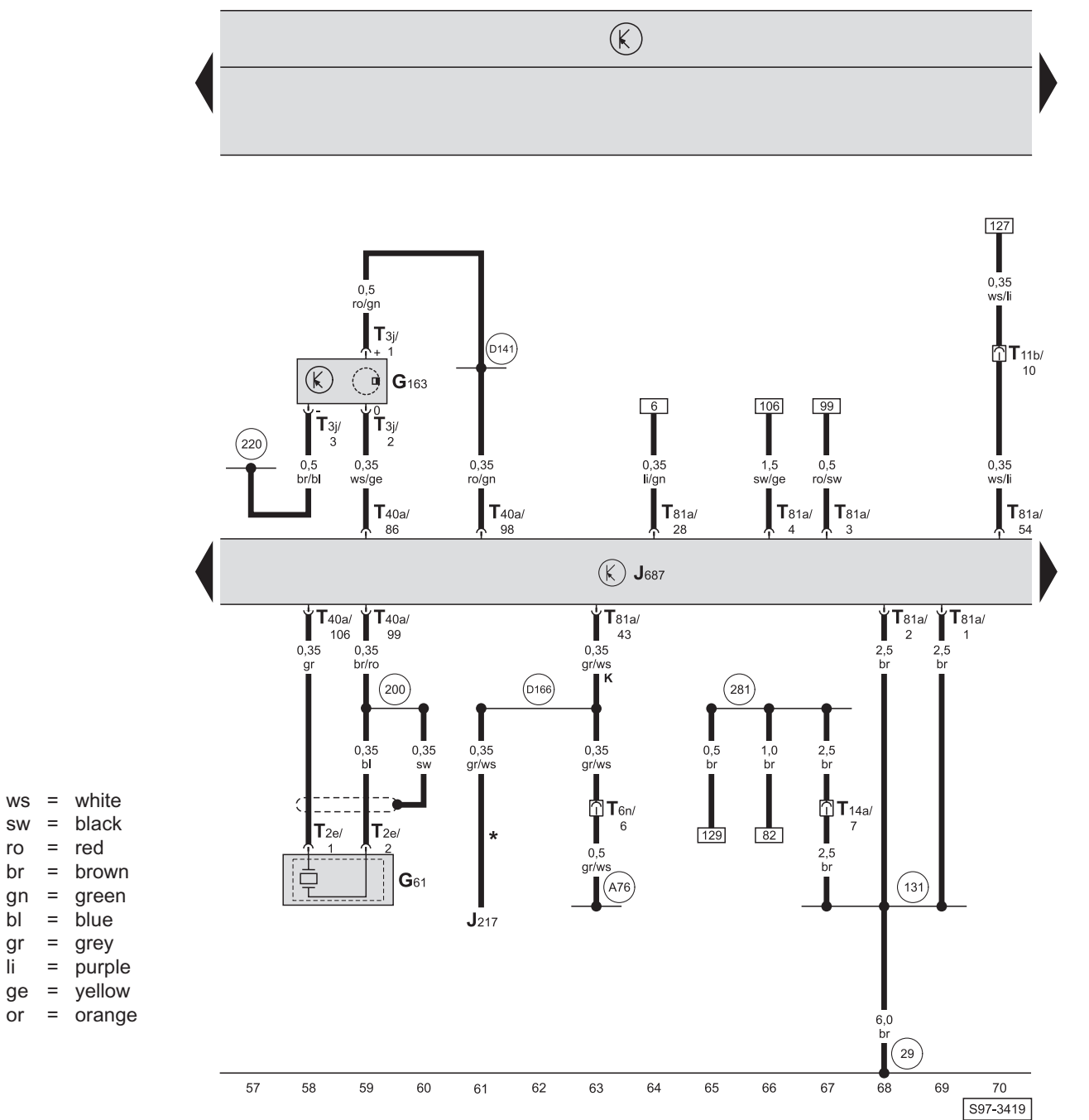
4MV control unit, accelerator pedal position sender, brake pedal switch, clutch pedal switch



- 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

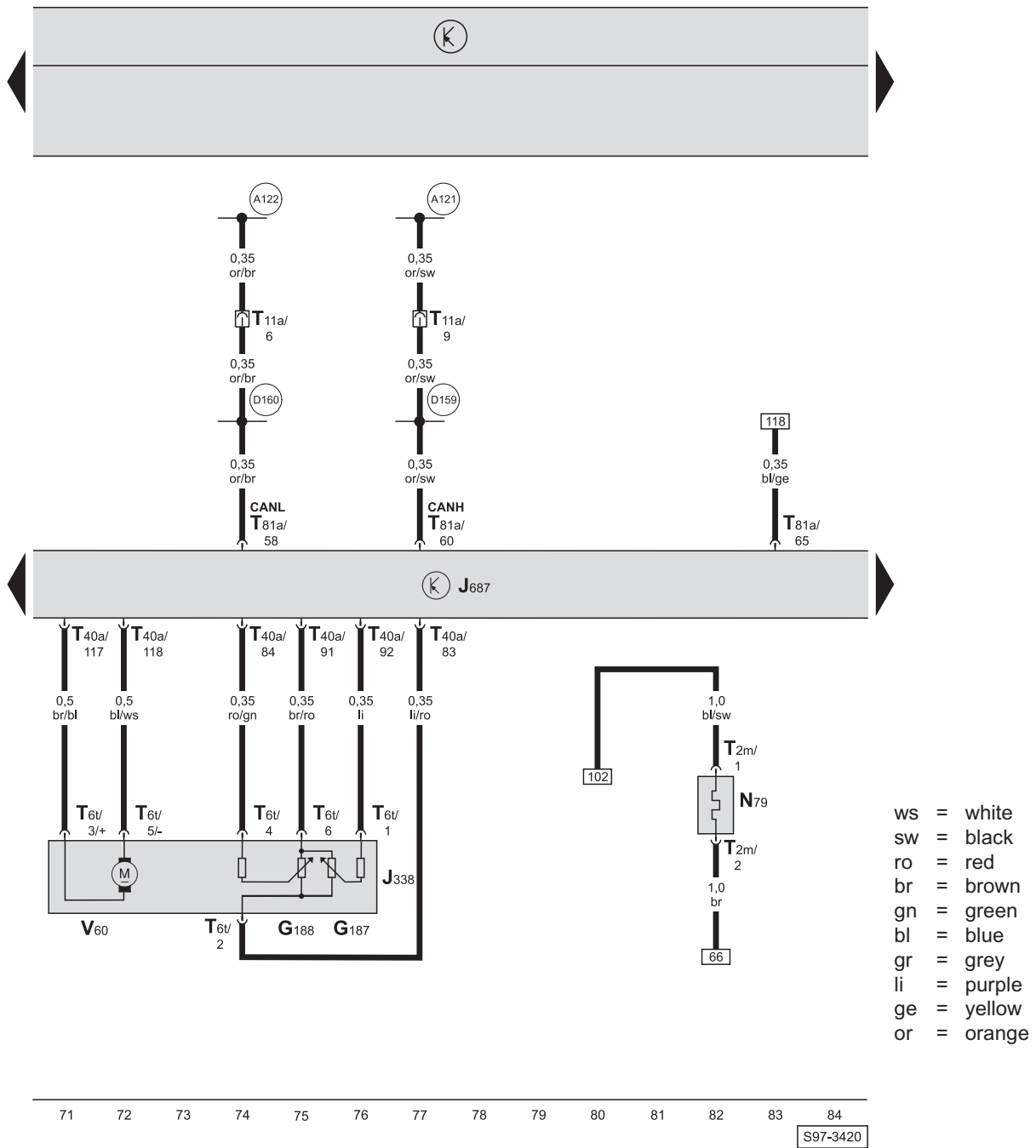


- G61 - Knock sensor I
G163 - Camshaft position sender
J217 - Automatic gearbox control unit
J687 - 4MV control unit
T2e - 2-pin connector, at knock sensor I
T3j - 3-pin connector, at camshaft position sender
T6n - 6-pin connector, at left of bulkhead (blue)
T11b - 11-pin connector, at left of bulkhead (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

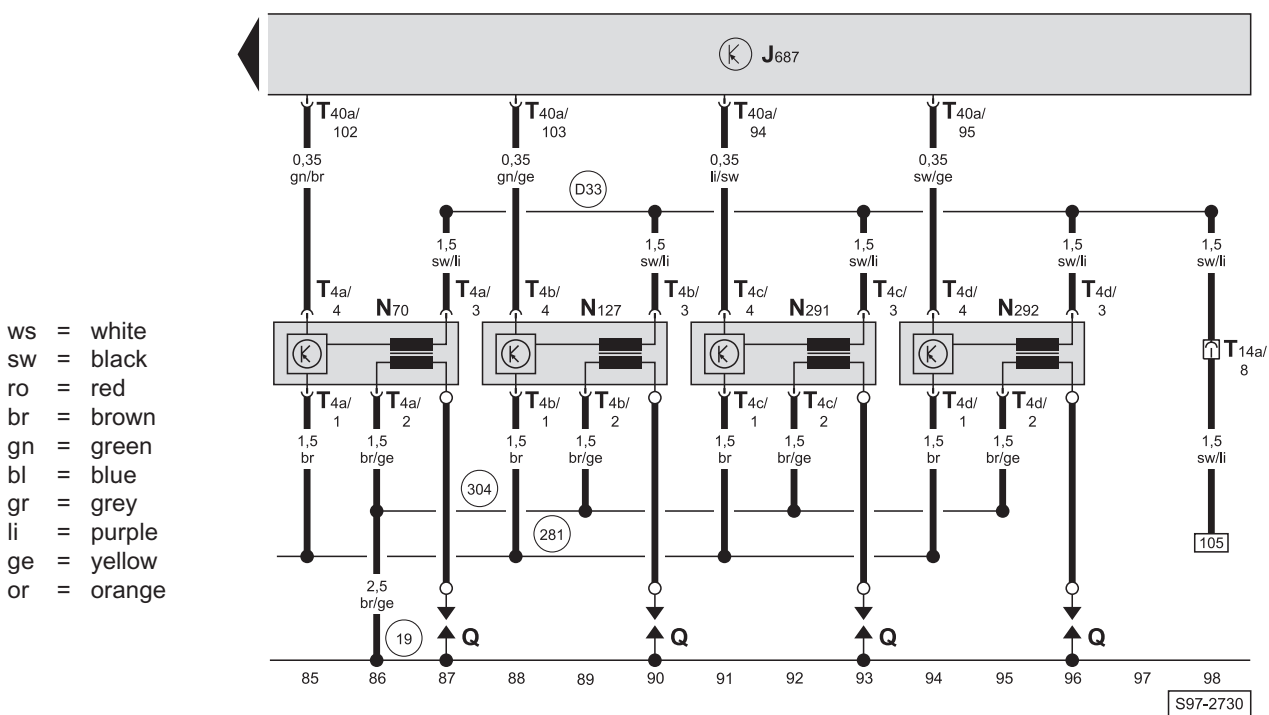
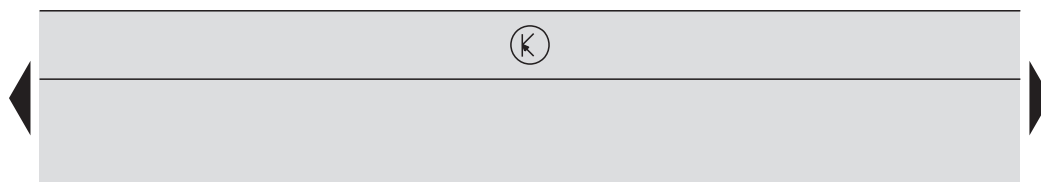
4MV control unit, throttle valve control unit



- 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

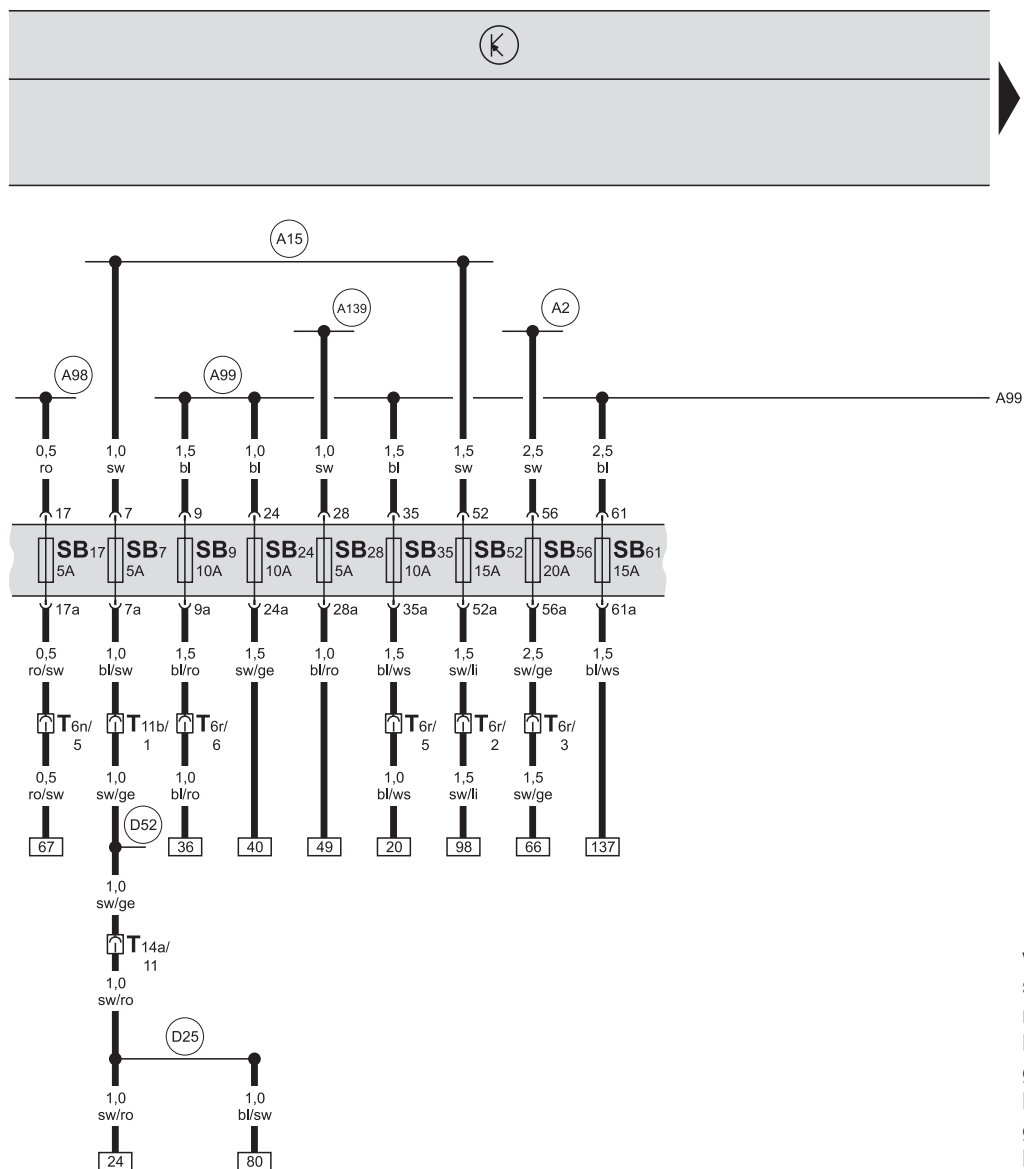
4MV control unit, ignition system



- 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

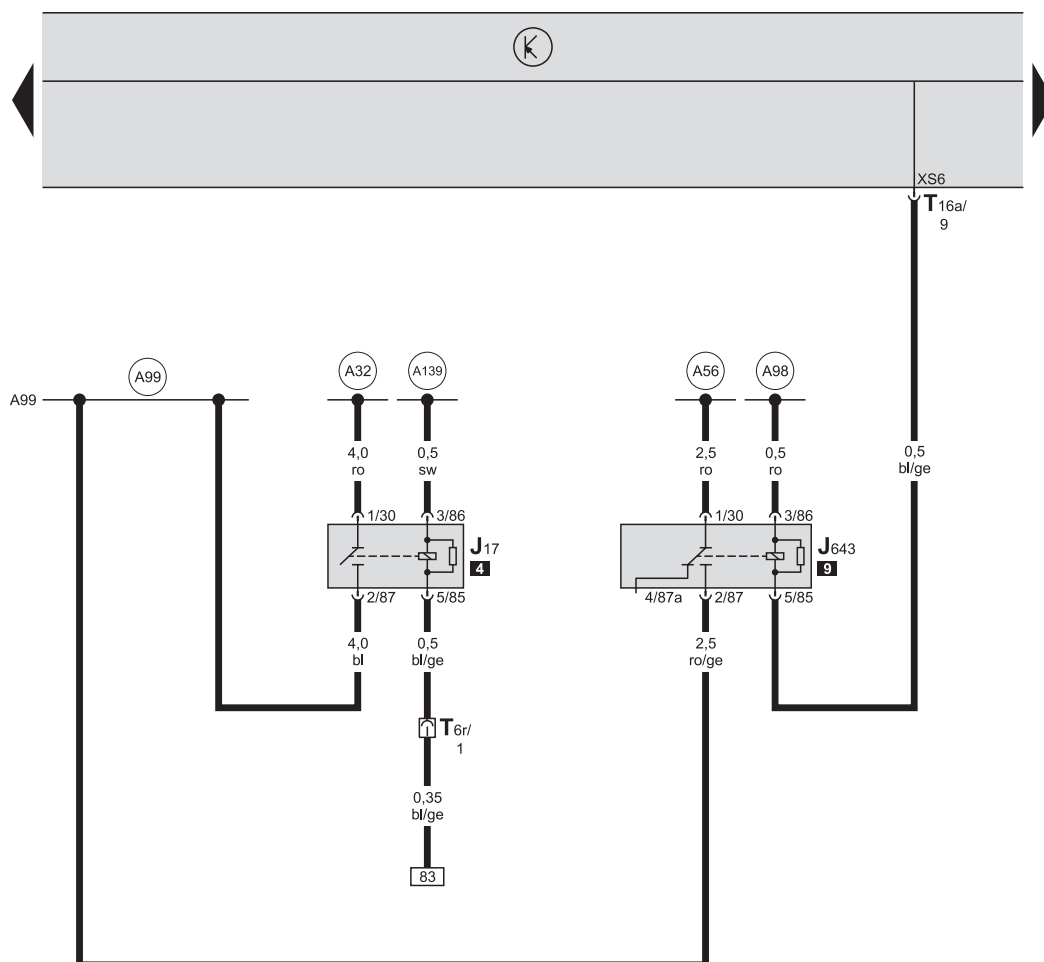
Fuse holder



- 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

S97-2732

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)

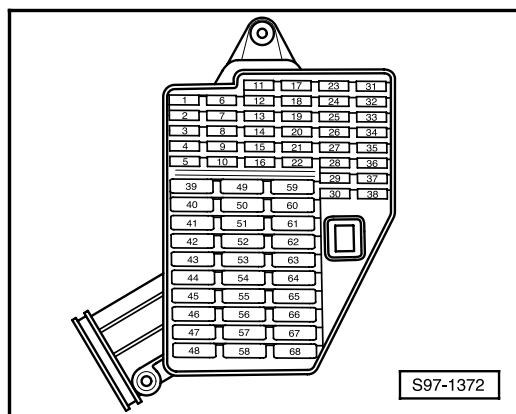
A32 - Positive connection (30a), in wiring loom behind dash panel on left
 A56 - Positive connection (30a), in wiring loom behind dash panel
 A98 - Positive connection (30a), in wiring loom behind dash panel (applies only to models with telephone system)
 A99 - Connection (87), in wiring loom behind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

[illegible]

- 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

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

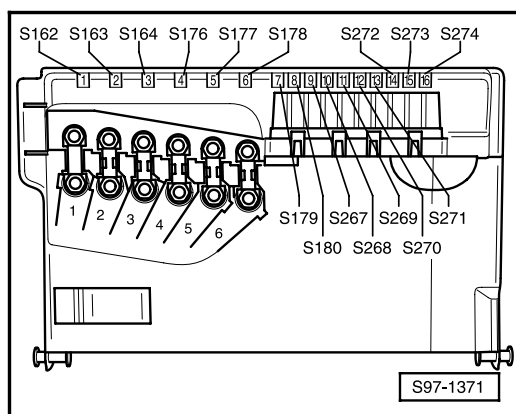
Fuse holder:



Fuse colours

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

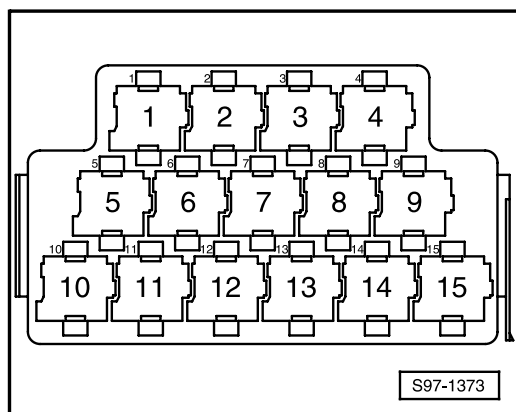
Fuse holder on battery:



Fuse colours

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

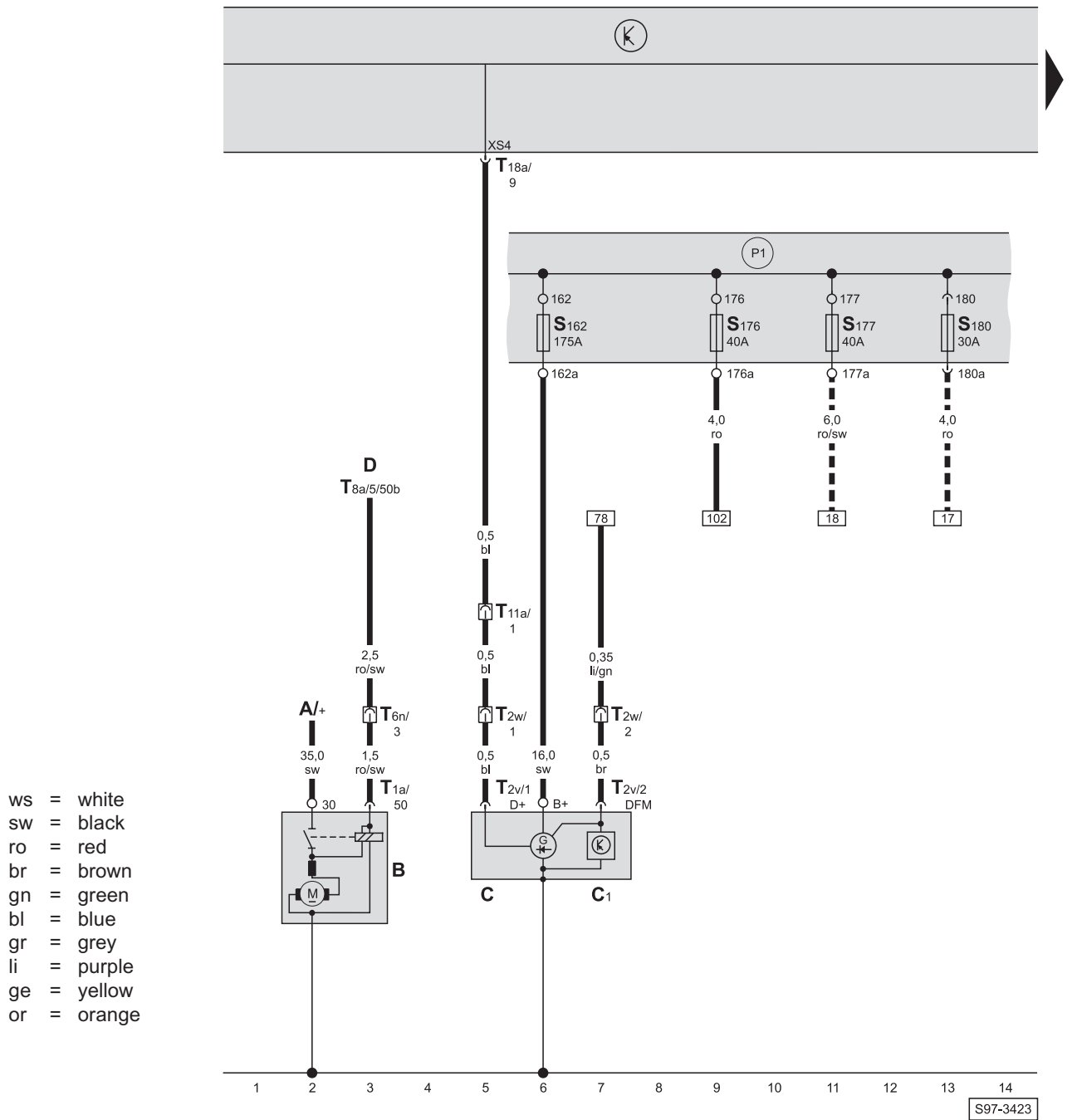
Relay holder:



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

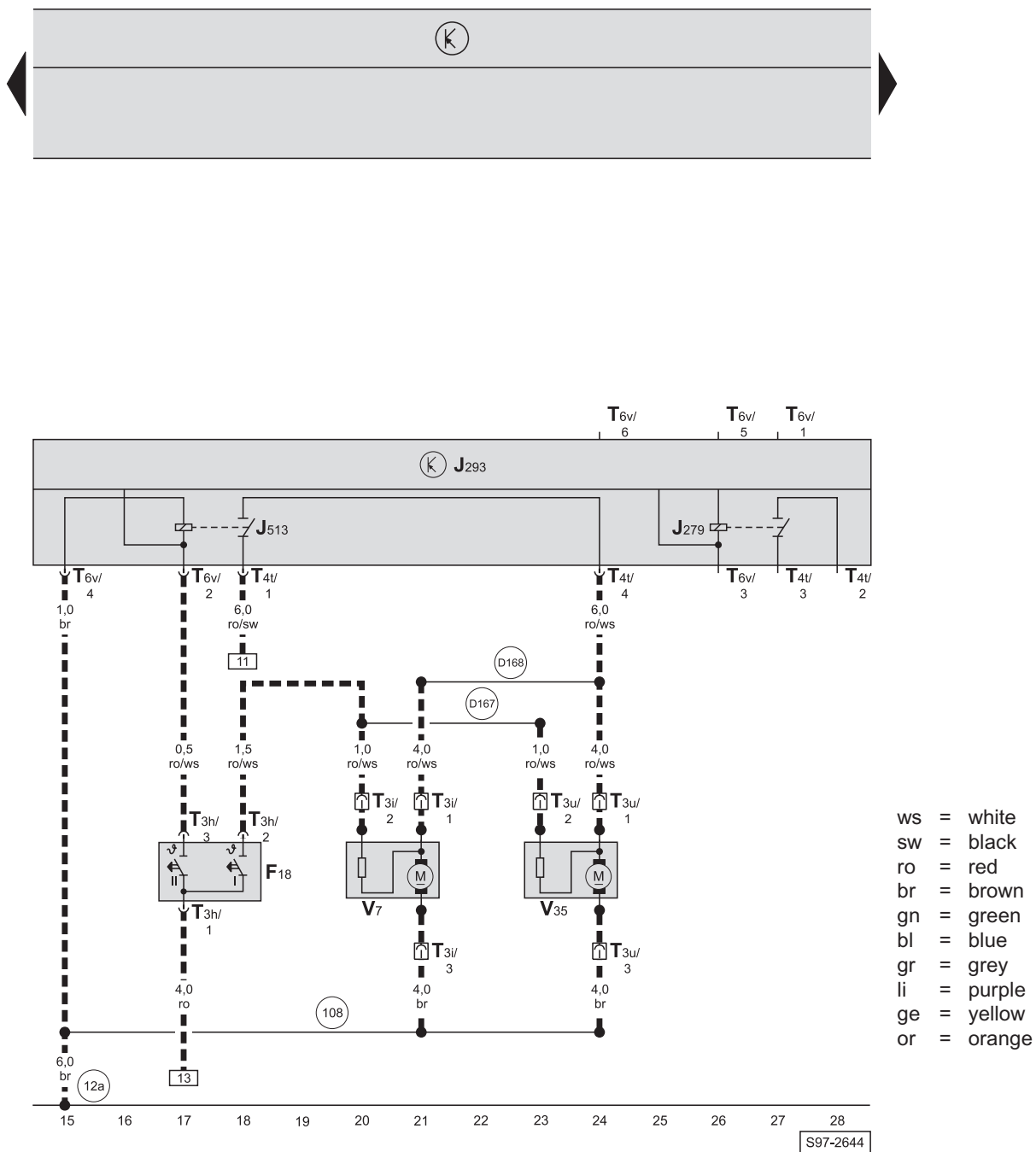


- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- D - Ignition/starter switch
- S162 - Fuse -1- (30), in fuse holder on battery
- S176 - Fuse -4- (30), in fuse holder on battery
- S177 - Fuse -5- (30), in fuse holder on battery
- S180 - Fuse -8- (30), in fuse holder on battery
- 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

Radiator fan control unit, radiator fan thermoswitch, radiator fan

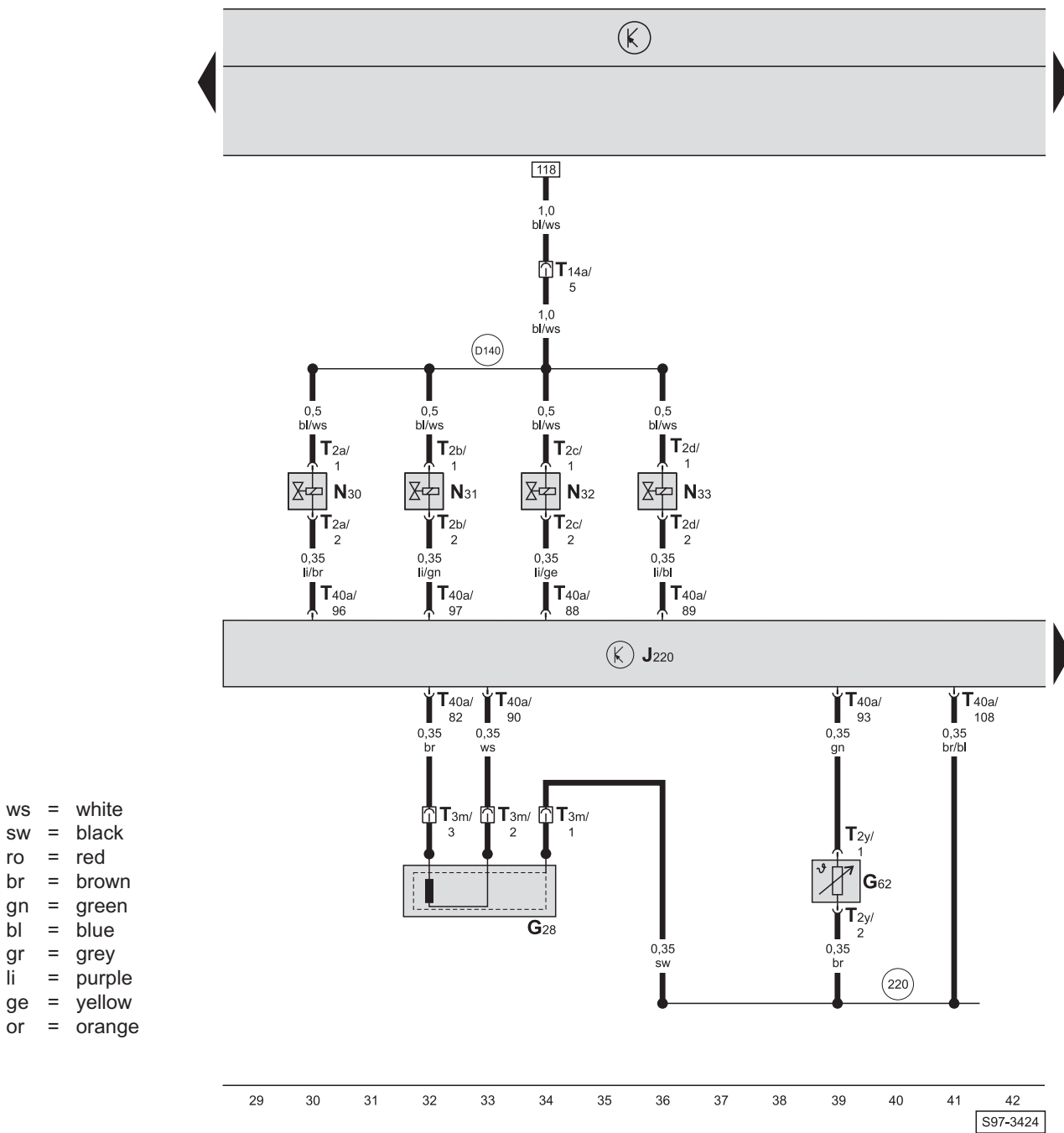


- F18 - Radiator fan thermoswitch
- J279 - Radiator fan relay, stage 1
- J293 - Radiator fan control unit
- J513 - Radiator fan relay, stage 2
- T3h - 3-pin connector, at radiator fan thermoswitch
- T3i - 3-pin connector, in bracket on left of radiator
- T3u - 3-pin connector, in bracket on left of radiator
- 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

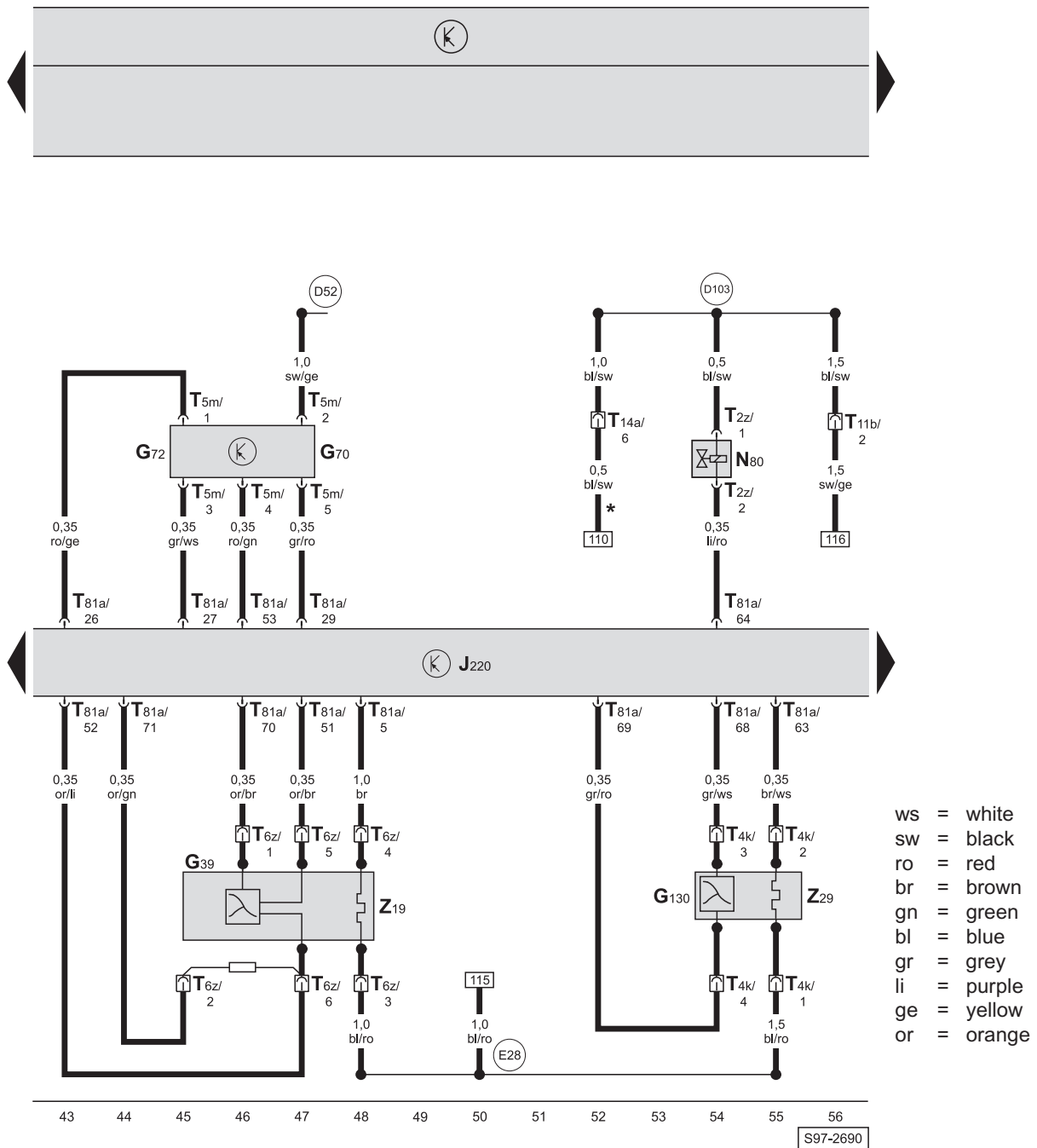
Motronic control unit, injectors, engine speed sender, coolant temperature sender



- 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 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

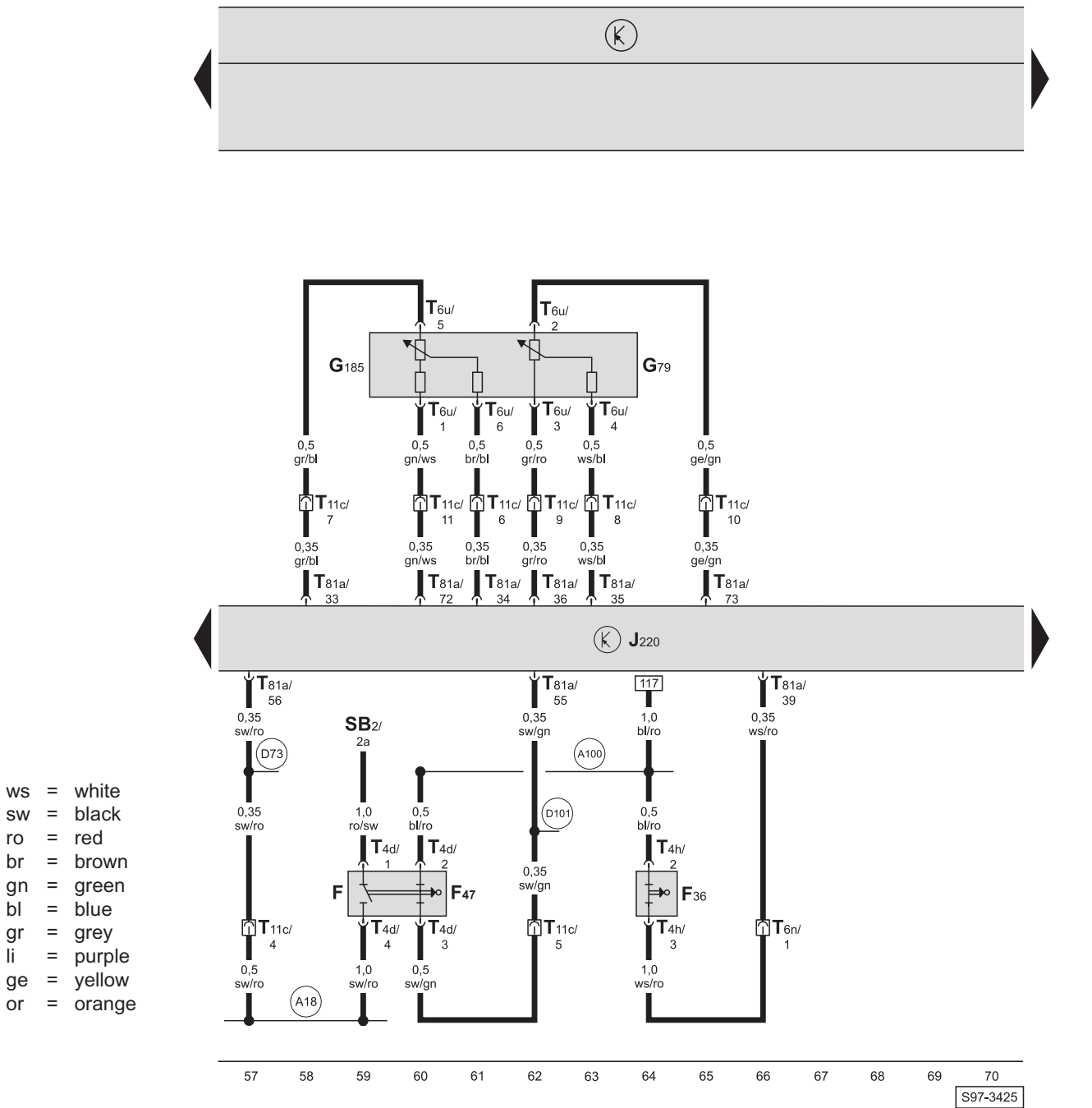


- G39 - Lambda probe
- G70 - Air mass meter
- G72 - Intake manifold temperature sender
- G130 - Lambda probe downstream of catalytic converter
- J220 - Motronic control unit
- N80 - Activated charcoal filter system solenoid valve
- T2z - 2-pin connector, at activated charcoal filter system solenoid valve
- 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



- 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