

List of components

1/1	Battery	3/95	TRACS switch unit
2/1	Headlight relay with bulb failure sensor	3/97	Driver-door electric-window switch unit
2/2	Fog-light relay	3/99	Front fog-light switch unit
2/4	Windshield-wiper relay	3/100	Driver-door lock unit
2/5	Seat-belt reminder/key-warning relay	3/109	Trunk-lid/tank-hatch switch unit
2/6	15l supply overload relay	3/110	Passenger-door lock unit
2/11	Electric cooling-fan relay	3/120	Hood switch unit
2/14	Glow plug control relay	3/144	Trunk-lid lock unit
2/22	A/C relay	3/146	Rear base-speaker switch unit
2/23	Fuel pump relay	3/160	Interior-lighting switch unit
2/30	X supply overload relay	3/161	Make-up mirror-lighting switch unit LH side
2/32	Fuel-system main relay	3/162	Make-up mirror-lighting switch unit RH side
2/33	Fuel-pump relay 2	3/168	Upper backrest switch
2/35	Starter-motor relay	3/170	Lower backrest switch
2/43	Electrically heated rear-seat relay	3/171	Electrically folding rear-view-mirror switch unit
2/44	Electrically heated rear-window/rear-view-mirror relay	3/184	Gas/petrol operation switch unit
2/54	Boot 30 supply relay	3/186	Tension-frame lock microswitch
2/67	Boot lid opening relay	3/187	Tension-frame lock microswitch
2/74	Coolant heater-plugs relay	3/188	Tension-frame microswitch
2/76	Central-locking/anti-theft-alarm control unit	3/189	Lock-arm microswitch
2/77	Warning-horn relay	3/190	Lock-arm microswitch
2/99	LH-side electric-window relay	3/191	Compartment cover-lock microswitch
2/100	RH-side electric-window relay	3/192	Compartment cover-lock microswitch
2/130	Immobilizer relay		
2/131	Rear window-wiper relay	4/4	Rheostat
2/140	Inversion relay	4/9	Supplemental restraint system (SRS) control unit
		4/16	Anti-lock brake (ABS) control unit
		4/19	Central-locking/anti-theft-alarm remote-control unit
3/1	Ignition lock	4/22	Electronic starter inhibitor
3/2	Light switch	4/28	Transmission control module (TCM)
3/3	Switch unit for direction indicators/ High beam and low beam headlight	4/29	LH-seat control unit
3/4	Cruise-control switch unit	4/30	ECC control unit
3/6	Hazard warning flashers switch unit	4/31	Blower control unit
3/8	Switch unit for electrically heated rear window/ rear-view mirrors	4/33	Electric-sunroof control unit
3/9	Brake light switch	4/37	RH-seat control unit
3/10	Reverse light contact	4/46	Engine control module (ECM)
3/12	Windshield-wiper/washer switch unit	4/50	Electronic throttle module (ETM)
3/13	Rear window-wiper/washer switch unit	4/59	Hood control unit
3/20	Front passenger-door electric-window switch unit	4/60	Electric-window control unit
3/25	Electrically operated sunroof switch unit	4/61	Roll-bar control unit
3/37	Horn contacts	4/76	Garage-opening remote control
3/41	Electrically operated rear-view-mirrors switch unit		
3/44	Driver-seat seatbelt-buckle switch unit	5/1	Combination instrument (CDM)
3/45	Passenger-seat seatbelt-buckle switch unit		
3/47	Parking-brake contact	6/1	Windshield wiper motor
3/57	Climate control	6/2	Front washer motor
3/58	Rear fog-light switch unit	6/3	RH headlamp-wiper motor
3/59	Beam adjustment	6/4	LH headlamp-wiper motor
3/61	Trip-computer control	6/9	Driver-door electric-window motor
3/62	Bonnet alarm contact	6/11	Front passenger-door electric-window motor
3/63	Automatic gearbox program selector	6/13	Driver-side electric rear-view mirror
3/65	Electrically heated rear-seat switch unit	6/14	Passenger-side electric rear-view mirror
3/71	Gear position sensor	6/15	Electric-sunroof motor
3/76	LH rear-door lock unit	6/25	Starter motor
3/77	RH rear-door lock unit	6/26	Alternator
3/78	Trunk-lid lock unit	6/28	Blower
3/84	Trunk-fan switch unit	6/29	Electric cooling fan
3/85	LH rear-door electric-window switch unit	6/30	Rear-window washer motor
3/86	RH rear-door electric-window switch unit	6/31	Fuel pump/Injection pump
3/89	Seat control panel		
3/91	Electrically heated LH seat switch unit		
3/92	Electrically heated RH seat switch unit		

Abbreviations

A number of abbreviations are used in this manual. These are explained below.

Countries/Markets:

A	= Austria
AUS	= Australia
B	= Belgium
CDN	= Canada
CH	= Switzerland
D	= Germany
DK	= Denmark
E	= Spain
EU/OS	= Markets outside USA and Canada
FIN	= Finland
GB	= Great Britain
J	= Japan
KOR	= Korea
N	= Norway
NL	= Netherlands
S	= Sweden
WEU	= Western Europe

Colors:

BL	= Blue
BN	= Brown
GN	= Green
GR	= Grey
OR	= Orange
P	= Pink
R	= Red
SB	= Black
VO	= Violet
W	= White
Y	= Yellow

Other:

ALTER	= Alternative
AUTO	= Automatic gearbox
AWD	= Four wheel drive
CAN	= CAN communication
CONV	= C70 cabriolet
COUP	= C70 coupé
DENSO	= 5 cylinders / 20 valves without turbo
EARLY	= Early design
ECC	= Electronic climate control
EXC	= Exclusive
INT	= Interval
IMMO	= Electronic starter inhibitor
LATE	= Late design
LH	= Left-hand side
LHD	= Left-hand drive
MAN	= Manual gearbox
MCC	= Manual climate control
MSA	= Diesel
OTHERS	= Others
ME7	= 5 cylinders / 20 valves with turbo
RH	= Right-hand side
RHD	= Right-hand drive
RTI	= Road Traffic Information
SIGN	= Signal
STD	= Standard heater
W/O	= Without

How to use the wiring diagram

A. Component description

For each component there is a component description. As a rule it consists of a type number and a component number.

At the back of the manual you will find a list of components that allows you to look up the component name using the descriptions.

B. Type number

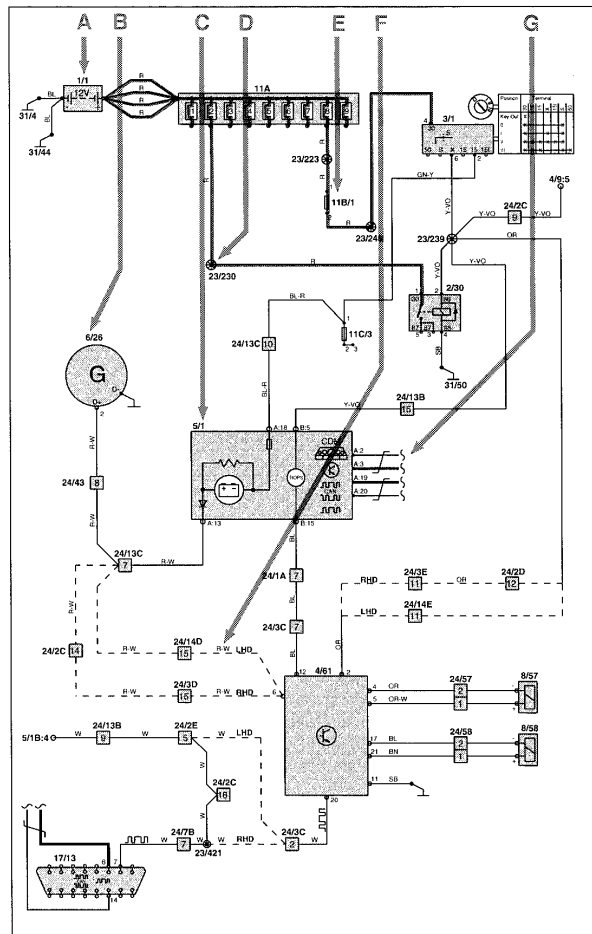
The first part of the component description concerns the type of component specified, e.g. switch unit, electric motor, etc.

List of type numbers:

- 1 Battery
- 2 Relay
- 3 Switch unit
- 4 Control unit
- 5 Combination instrument
- 6 Electric motor
- 7 Sensor
- 8 Actuator
- 9 Heating element
- 10 Lamp
- 11 Fuse
- 15 Distribution rail, power supply
- 16 Radio
- 17 Service/diagnosis
- 18 Contact reel
- 19 Indicating instrument
- 20 Ignition component/resistor
- 23 Junction point
- 24 Connector
- 31 Ground connection
- 34 Terminal block/brace
- C Connector

C. Component number

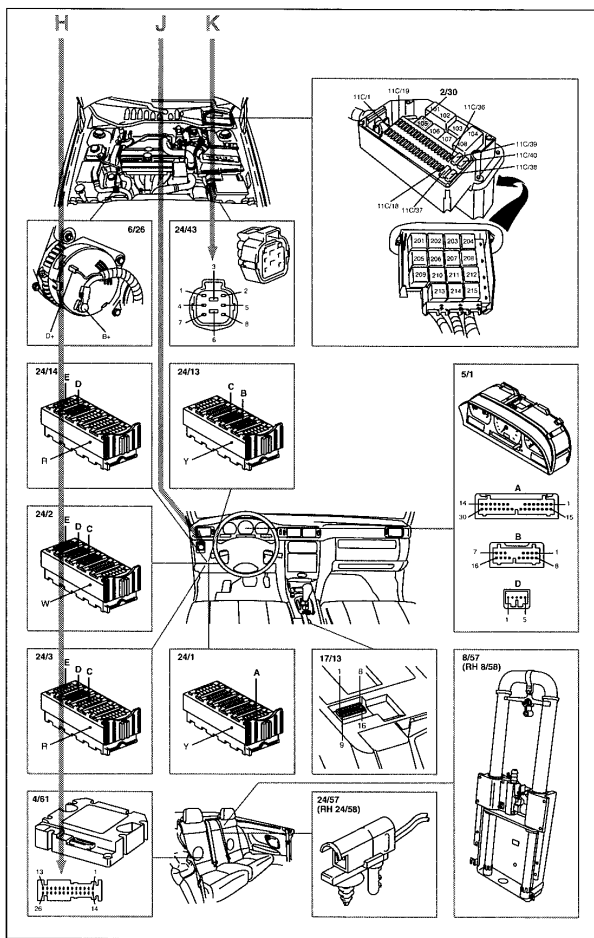
The second part of the component description concerns the specific component itself, e.g. light switch, central locking motor, etc.



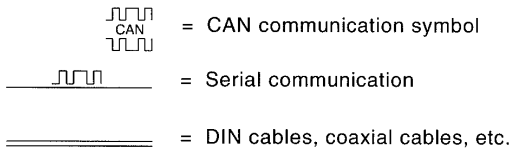
List of symbols

- | | |
|--|----------------------------|
| | = System voltage |
| | = Ground connection |
| | = Screened wire |
| | = Junction point |
| | = Twisted wires |
| | = Electrical connection |
| | = No electrical connection |
| | = Variant |
| | = CAN communication |
| | = CAN high signal (CAN H) |
| | = CAN low signal (CAN L) |

How to use the wiring diagram



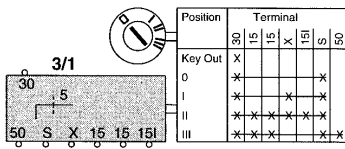
List of symbols, cont.



Table

Certain multi-way switches are described in the manual according to a table; see example below. The table indicates when the various connections are electrically connected to one another.

E.g. in position III connection 30 is connected with connections 15A, S and 50.



Position	Terminal
Key Out	30 15 15 15 15 15
0	X X X X X X
I	X X X X X X
II	X X X X X X
III	X X X X X X

D. Junction points

Junction points are numbered. The manual contains a list of the various junction points, showing which other components the points are joined to. The section "Cable harness routing in vehicle" shows where they are located.

E. Electrical distribution

The supply to the fuse is shown in its entirety in the section "Electrical distribution".

F. Abbreviations

A number of different abbreviations are used in this manual. These are explained in the section "Abbreviations".

E.g. R-W = red-white

G. CAN communication

Disconnected wires are shown in their entirety in the section "Data communication".

H. Components

This shows which positions the various wires can be connected to for each component.

J. Location of components

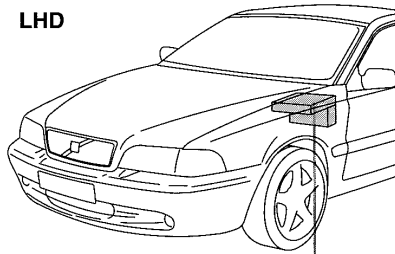
This shows where in the vehicle the components are located.

K. Connectors

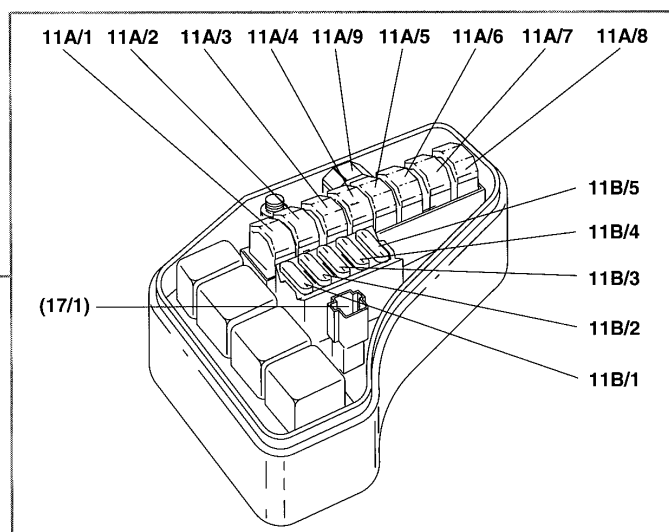
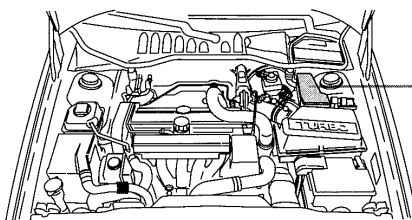
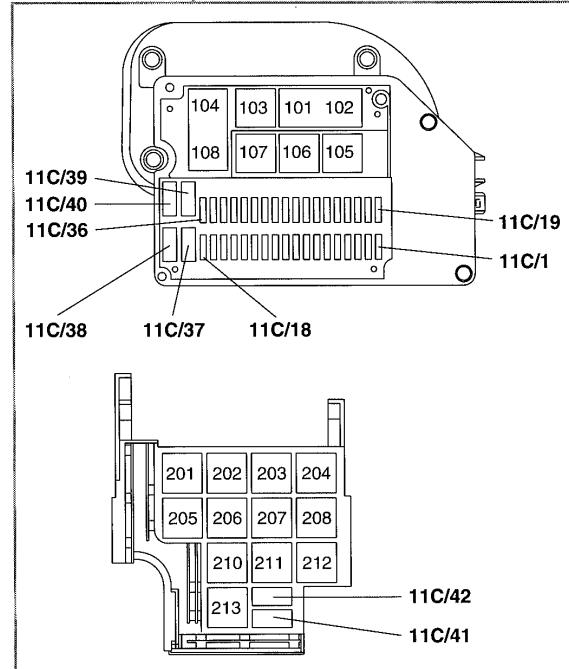
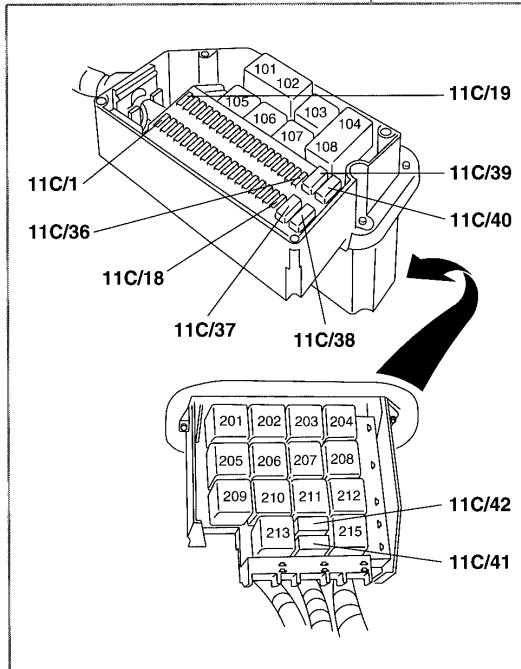
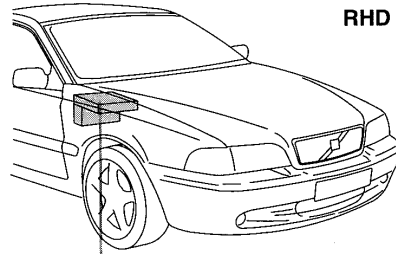
Connectors linking the cable harnesses to each other are described in the section "Connectors".

Fuses

LHD



RHD



Fuses

Main fuses, 11A/1-9 in the engine-compartment relay/fuse box.

No.	Fuse function	A
11A/1	Electric cooling fan	60
11A/2	Fuses 11C/25-29 via overload relay 15I, Fuses 11C/30-37 (CONV 11C/30-36) via overload relay X	50
11A/3	Starter motor (Not MSA), heater plugs for coolant (MSA)	50
11A/4	ABS control unit	50
11A/5	Headlamp relay with bulb failure sensor	50
11A/6	Fuses 11C/5-10, Starter motor (MSA)	60
11A/7	Fuses 11C/11-17, 11C/39-40 and 11C/41-42 (CONV)	50 60 (MSA)
11A/8	Fuse 11B/1, Fuses 11B/2-5 via main relay for fuel system	60
11A/9	Glow plug 1-5 via glow plug control relay (MSA), Fuse 11C/37 via relay for RH electric windows (CONV), Fuse 11C/38 via relay for LH electric windows (CONV)	60

Fuses, 11B/1-5 in the engine-compartment relay/fuse box

No.	Fuse function	A
11B/1	Ignition lock, Engine control system (Not MSA), Emission control, Electric cooling fan (DENSO/ME7), Electronically controlled automatic gearbox, Cruise control (DENSO/ME7), Electronic climate control ECC (DENSO/ME7)	10 (15 S70/V70 DENSO/ME7)
11B/2	Engine control system, Electric cooling fan (DENSO/ME7), Cruise control (DENSO/ME7), Electronically controlled automatic gearbox, Manual climate control MCC (DENSO/ME7), Electronic climate control ECC (DENSO/ME7)	15 (10 MSA)
11B/3	Engine control system	15
11B/4	Electronically controlled automatic gearbox AW 50-42 (MSA), Engine control system (DENSO/ME7)	15 (10 MSA)
11B/5	Engine control system, Electric cooling fan (MSA), Manual climate control MCC (MSA), Electronic climate control ECC (MSA), Emission control	20 (10 MSA)

Fuses

Fuses, 11C/1-24 in the electrical distribution unit

No.	Fuse function	A
11C/1	Central locking (C70), Hood operation	10
11C/2	Fog light, Towing hook wiring, Combination instrument	10 (15 CONV)
11C/3	Road Traffic Information RTI, Anti-theft alarm, Interior lighting, Central locking, Electronically controlled automatic gearbox AW 50-42 (MSA)	10 (15 CONV)
11C/4	Engine control system (DENSO/ME7), Electronic starter inhibitor, P position lock for automatic gearbox, ABS brake system	10
11C/5	Electric cooling fan, Diagnostics, Standard heater STD, Manual climate control MCC, Electronic climate control ECC	15
11C/6	Anti-theft alarm, Interior lighting, Central locking	20
11C/7	Radio, Radio with 4x50W extra amplifier	20
11C/8	Light switch, Instrument and control lighting, Electronic starter inhibitor, Combination instrument	15
11C/9	Radio (C70), Electrically heated rear seat	20 (30 C70)
11C/10	Anti-theft alarm, Central locking	10
11C/11	Brake lights, Cruise control (MSA), Electronically controlled automatic gearbox AW 50-42 (MSA), ABS brake system, Towing hook wiring	10 (15 S70/V70 DENSO/ME7)
11C/12	Radio (C70), Auxiliary heater	30
11C/13	High beam and low beam headlight, Anti-theft alarm, Direction indicators and hazard warning flashers, Central locking, Interior lighting (S70/V70)	20 (15 C70)
11C/14	Electrically folding rear view mirrors, Electrically heated rear window and electrically heated rear view mirrors	30 (40 COUP)
11C/15	Interior lighting, Seat-belt reminder, Seat-belt reminder and key warning, Road Traffic Information RTI, Electric windows (CONV)	10
11C/16	Radio, Towing hook wiring, Accessory wiring, Cooler box wiring, Radio with 4x50W extra amplifier (S70/V70)	30
11C/17	Fog light	20
11C/18	Seat-belt reminder and key warning, High beam and low beam headlight	10
11C/19	High beam, Accessory wiring	15
11C/20	High beam, Combination instrument	15
11C/21	Low headlight	15
11C/22	Low headlight	15
11C/23	Fog light (EU/OS), Parking light, tail lights and license plate lighting, Towing hook wiring	10
11C/24	Parking light, tail lights and license lighting	10

Fuses

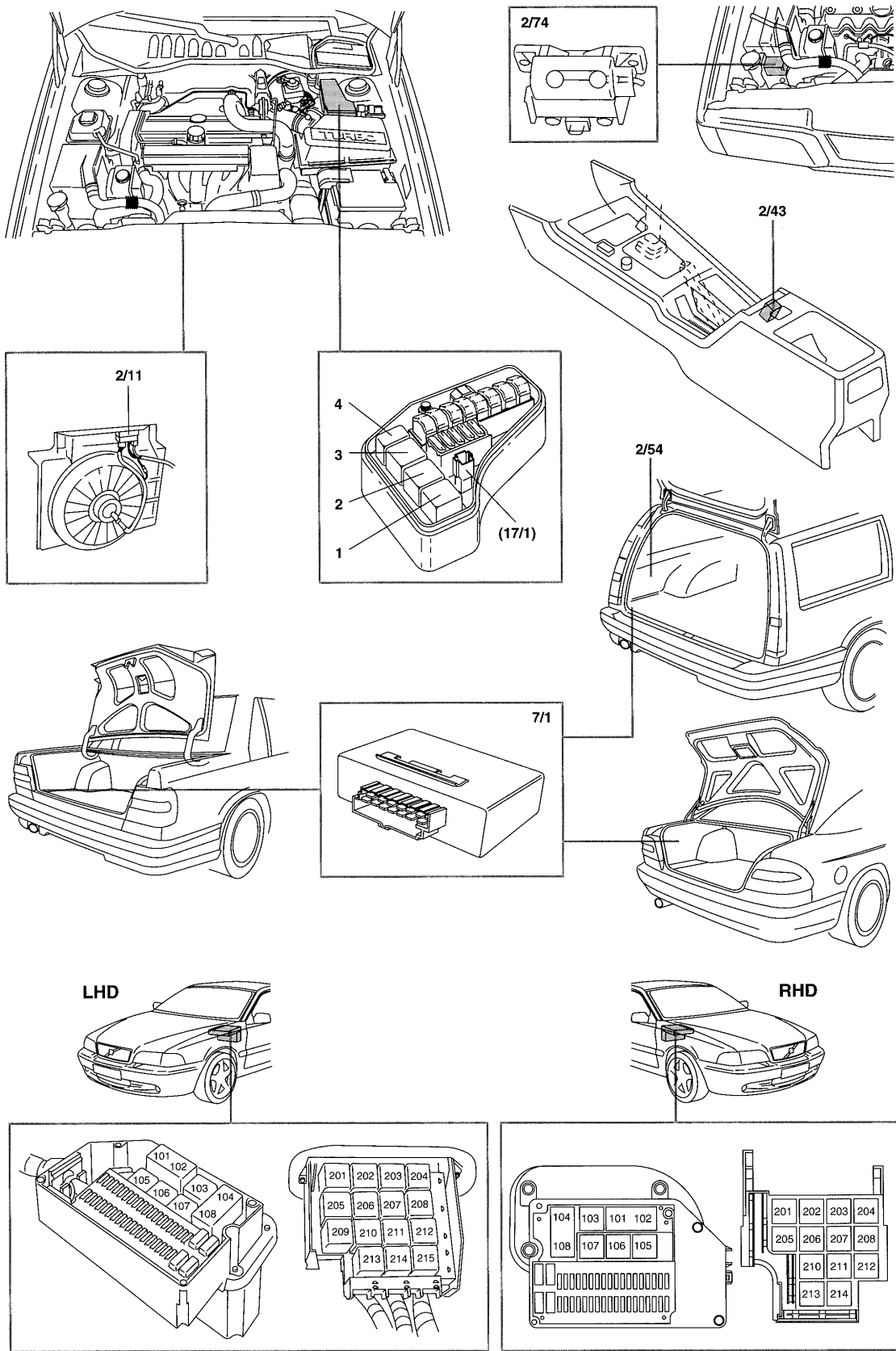
Fuses, 11C/25-42 in the electrical distribution unit

No.	Fuse function	A
11C/25	-	10
11C/26	Light switch, Instrument and control lighting	15
11C/27	Reversing light, Direction indicators and hazard warning flashers, Road Traffic Information RTI,,Electronically controlled automatic gearbox AW 50-42, Inner rear view mirror with automatic dimmer	15
11C/28	Electrically heated seats, Electrically heated rear seat	25
11C/29	15-rail (15/4): Cruise control (MSA), Parking light, tail lights and license plate lighting, Brake lights, Anti-theft alarm, Cooler box wiring, Seat-belt reminder, Seat-belt reminder and key warning, Electrically heated rear window and electrically heated rear view mirrors, Electrically folding rear view mirrors, Auxiliary heater, Towing hook wiring, Hood operation	10
11C/30	Cigarette lighter/12V outlet	15 (10 CONV) (20 S70/V70 DENSO/ME7)
11C/31	Standard heater STD, Manual climate control MCC, Electronic climate control ECC	25 (20 CONV)
11C/32	Instrument and control lighting, Radio, Radio with 4x50W extra amplifier (S70/V70), Electrically operated sunroof, Electrically folding rear view mirrors, Electronic climate control ECC, Central locking (CONV), Hood operation	10
11C/33	X-rail (15/8): Beam adjustment, Rear window cleaner	15
11C/34	Horn, Windscreen and headlight cleaner	25
11C/35	Interior lighting, Accessory wiring, Road Traffic Information RTI, Electrically operated seat without memory, Luggage compartment fans, Garage opening remote control, Electric windows (CONV), Hood operation, Inner rear view mirror with automatic dimmer, Electrically heated rear window and electrically heated rear view mirrors (CONV), Electrically operated rear view mirrors (CONV), Electrically folding rear view mirrors (CONV)	10
11C/36	Seat-belt reminder, Seat-belt reminder and key warning, Supplemental Restraint System SRS	15 (10 CONV) (10 S70/V70 DENSO/ME7)

Automatic fuses

11C/37	Electric windows, Electrically operated sunroof (Not CONV), Electrically operated rear view mirrors (Not CONV), Electrically folding rear view mirrors (Not CONV), Electrically heated rear window and electrically heated rear view mirrors (Not CONV)
11C/38	Electric windows (CONV)
11C/39	Electrically operated seats (LH)
11C/40	Electrically operated seats (RH)
11C/41	Hood operation (CONV)
11C/42	Hood operation (CONV)

Relays



Relays

Relays in the engine-compartment relay/fuse box

1	Fuel system main relay (2/32)
2	Glow plug control relay (2/14) (MSA)
3	Starter motor relay (2/35)
4	A/C relay (2/22)

Relays in electrical distribution unit

101-102	-
103	Fuel pump relay (2/23) (Not MSA)
104, 108	Headlight relay with bulb failure sensor (2/1)
105	X supply overload relay (2/30)
106	15l supply overload relay (2/6)
107	Fuel pump relay 2 (2/33) (BIFUEL)
201	Fog light relay (2/2)
202	Warning horn relay (2/77)
203	Windshield wiper relay (2/4)
204	Rear window wiper relay (2/131) (V70) Hood sound signal (7/117) (CONV)
205	Trunk lid opening relay (2/67) (CONV)
206	Relay for LH electric windows (2/99) (CONV)
208	Electrically heated rear window/rear view mirror relay (2/44)
210	Relay for RH electric windows (2/100) (CONV) Immobilizer relay (2/130) (BIFUEL)
211	Inversion relay (2/140) (BIFUEL)
212	Seat-belt reminder/key warning relay (2/5)
214	Automatic fuses 11C/41-42 (CONV)

Other relays

- 2/11 Electric cooling fan relay
- 2/43 Electrically heated rear seat relay (S70/V70)
- 2/54 Cooler box relay (V70)
- 2/74 Coolant heater plugs relay (MSA)
- 7/1 Rear bulb failure sensor