

VOLVO

Service Manual

Fault tracing

Design

Repair

Function

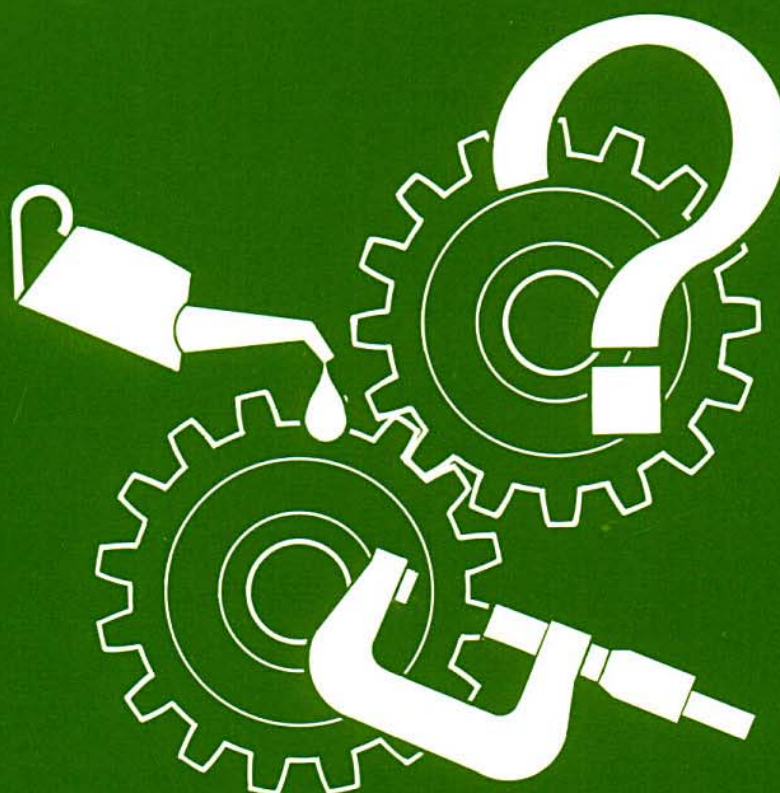
Maintenance

Section 3(39)

Wiring diagrams

LHD
960 1996

TP 3913202



Volvo Car Corporation

Cars with SRS/ SIPS (Side Impact Protection System) air bag

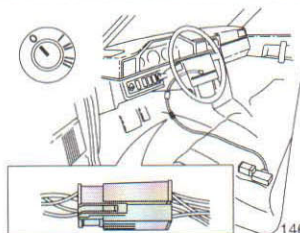
Warning

Cars equipped with a Supplemental Restraint System (SRS)/ SIPS (Side Impact Protection System) air bag must be treated extra carefully when repairs are being made. This is to help prevent: 1. Injuries when carrying out a repair. 2. Damage or malfunction of the SRS system. Repair to either the SRS itself or a related system or component must be carried out by an authorized Volvo workshop. Refer to the appropriate SRS/SIPS service manual for complete system information.

Is the car equipped with SRS/SIPS?

Cars with SRS are most easily recognized by the SRS letters on the steering wheel pad. If the car is also equipped with an air bag on the passenger side, the letters 'SRS' will be embossed on the instrument panel above the glove compartment. Most cars with SRS are also equipped with pyrotechnical seat belt tensioners in the B-posts.

The SIPS air bag is only installed on cars fitted with SRS (Air bag), from 1996 and on. The SIPS identifying label is attached to the windshield and on the side panels of the front seats.



700 series model years 1987-88

When carrying out any fault-tracing procedure on the electrical/electronic systems in the car, or when arc-welding, the yellow connector to the SRS system must be separated as shown.

Important! The ignition key must be in the 0 position when the connector is separated and when it is put back.

(On other model years the connector does not have to be separated.)

Dashboard or around steering column

Take care to avoid electric wiring being pinched, frayed or pierced by screws when working on firewall, knee bolster, ignition switch, steering column casings, glove compartment, instrument panel, door sills and B-posts.

Driver's seat, centre console or carpeting at left front seat

The SRS collision sensor is located under the left front seat. Do not disconnect the collision sensor connector. Never install accessories on or near the sensor. The crash sensor connector on 1992 and earlier models must **never** be disconnected.

Repairs to steering gear and column

When carrying out repairs to the steering wheel, steering gear or column always follow the repair procedures given in the appropriate SRS service manual. The contact reel in the steering column will be damaged if the steering wheel is turned more than three turns in either direction.

Seats

The sensor unit for the SIPS air bags is located in the center of the side panels on the front seats.

The SIPS air bag will activate if the side panel receives a hard blow or pressure, it will also activate if the door is closed and there is an object between the seat side panel and the door.

Test terminal

- 1992 : An unused terminal in the fusebox is used as a hook-up for SRS diagnostics. Do not install a fuse or connect an accessory to this terminal.

1993 - : Diagnostic unit B in the engine compartment is used for fault-tracing purposes.

1996 - : Data Link Connector socket in passenger compartment.

Modifications to September 1995 included

Modifications introduced after the above date are not covered in this manual.
See Service Bulletins as applicable.

Volvos are sold in versions adapted for different markets. These adaptations depend on many factors including legal, taxation and market requirements.
This manual may therefore show illustrations and text which do not apply to cars in your country.

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Order no. TP 3913032 (UK)
Supersedes TP 3913031 (UK)

Order no. TP 3913202 (USA/CDN)
Supersedes TP 3913201 (USA/CDN)

We reserve the right to make alterations without prior notification.

How to use the wiring diagrams

Look up the relevant electrical function in the index.

Let us say you want to look at the windshield wash/wipe system. According to the index, the windshield wash/wipe system is found on page 90.

Here is a schematic presentation of how the components are connected to each other and their internal appearance.

Each component has a component designation. At the end of the manual there is a component list where you can see what each component is called.

A chart is often used to illustrate the functions of a switch.

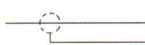
The chart will show which functions are associated with the different positions on the switch (in this case the ignition switch).

Wire colors are indicated with letters of the alphabet:

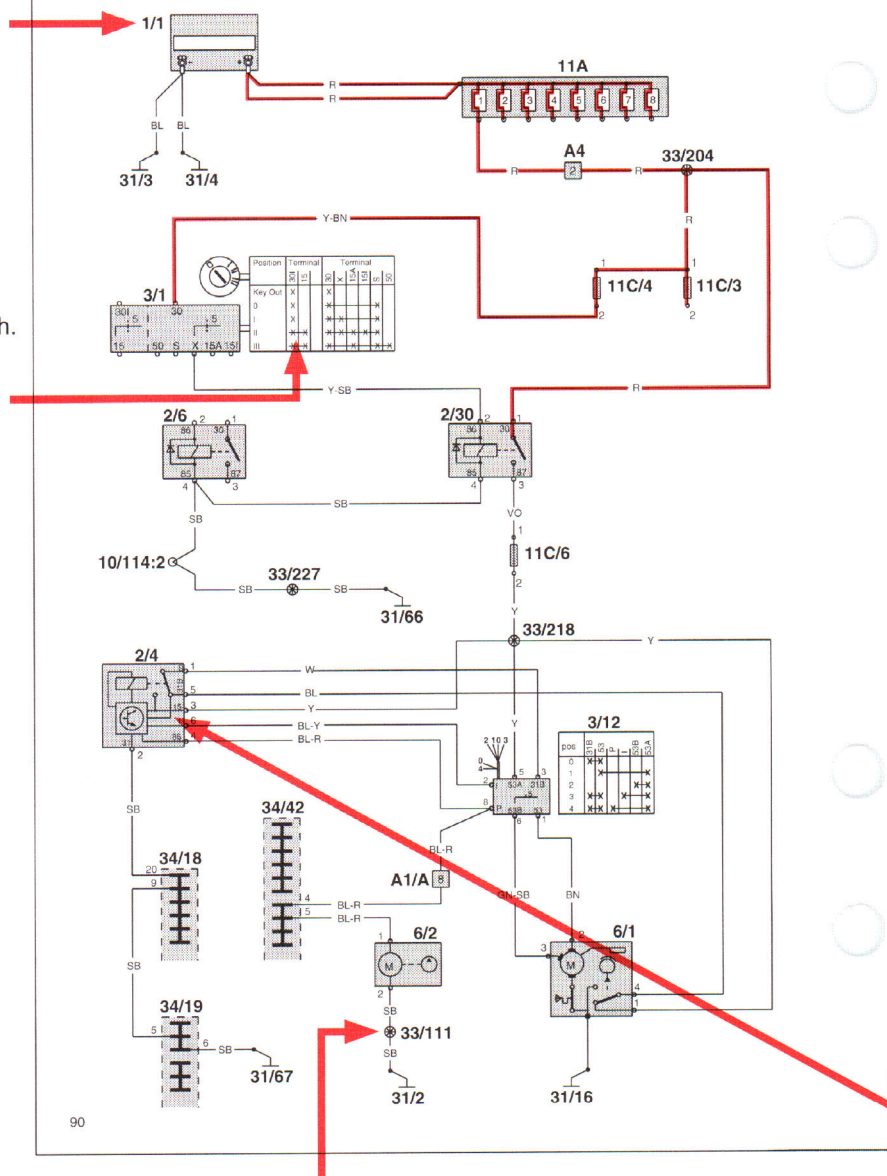
SB = Black	BN = Brown	GN = Green
GR = Gray	Y = Yellow	OR = Orange
W = White	P = Pink	VO = Purple
R = Red	BL = Blue,	

BL-R is thus = Blue-red.

Code to colors in the wiring diagram

-  = no voltage
-  = system voltage
-  = voltage lower than system voltage
-  = ground connection
-  = intertwined wires
-  = screened wire
-  = branch point
-  = cable continues to component

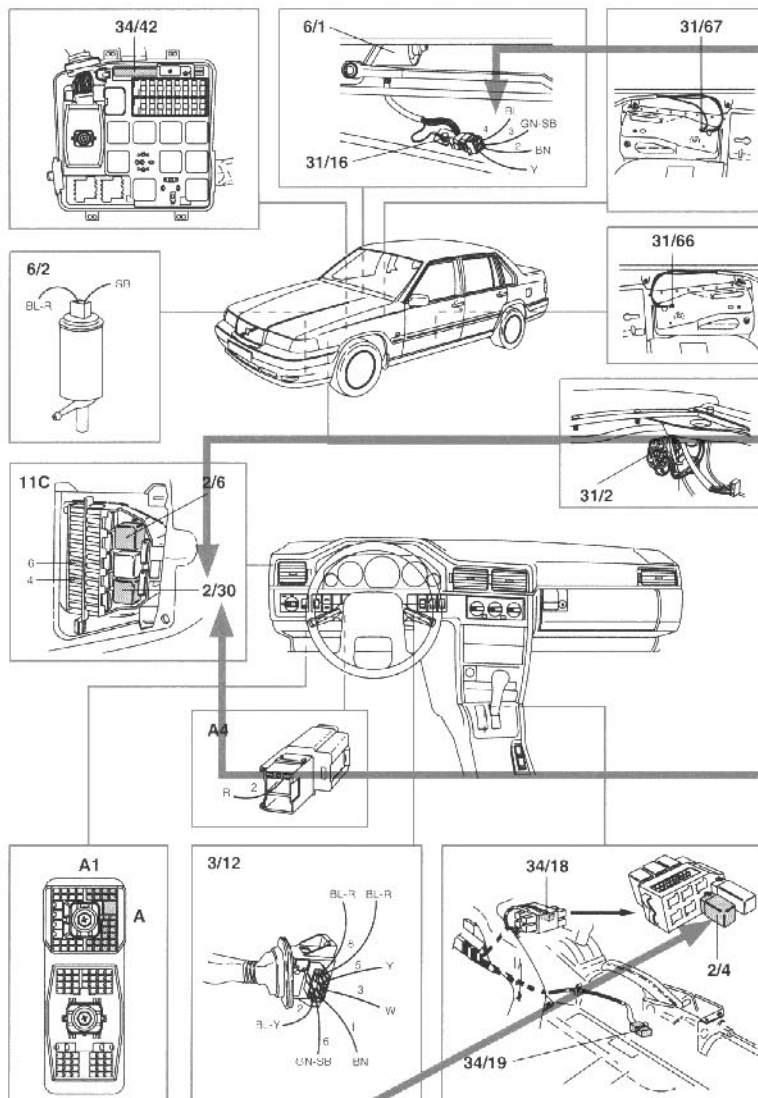
Windshield wash/wipe



Branching points are numbered. On pages 14-29 you will find a list of the branching points where you can see to which other components the branching point leads.

How to use the wiring diagrams

Here you can see where the function components are located in the car. On pages 9-13 you can see how the cable harness is routed in the car.



Here you can see how the various wires are connected to each respective component.

The component designation consists of a type number and a component number.

The type number (in this case 2) indicates which type of component it is, eg a switch, electric motor or sensor, see the list below. In this case it is a relay.

The connector type designation is by letter - A, B or D - instead of number.

The component number (30) indicates which specific component is intended. Thus 2/30 means an Overload Relay, X+.

List of type numbers

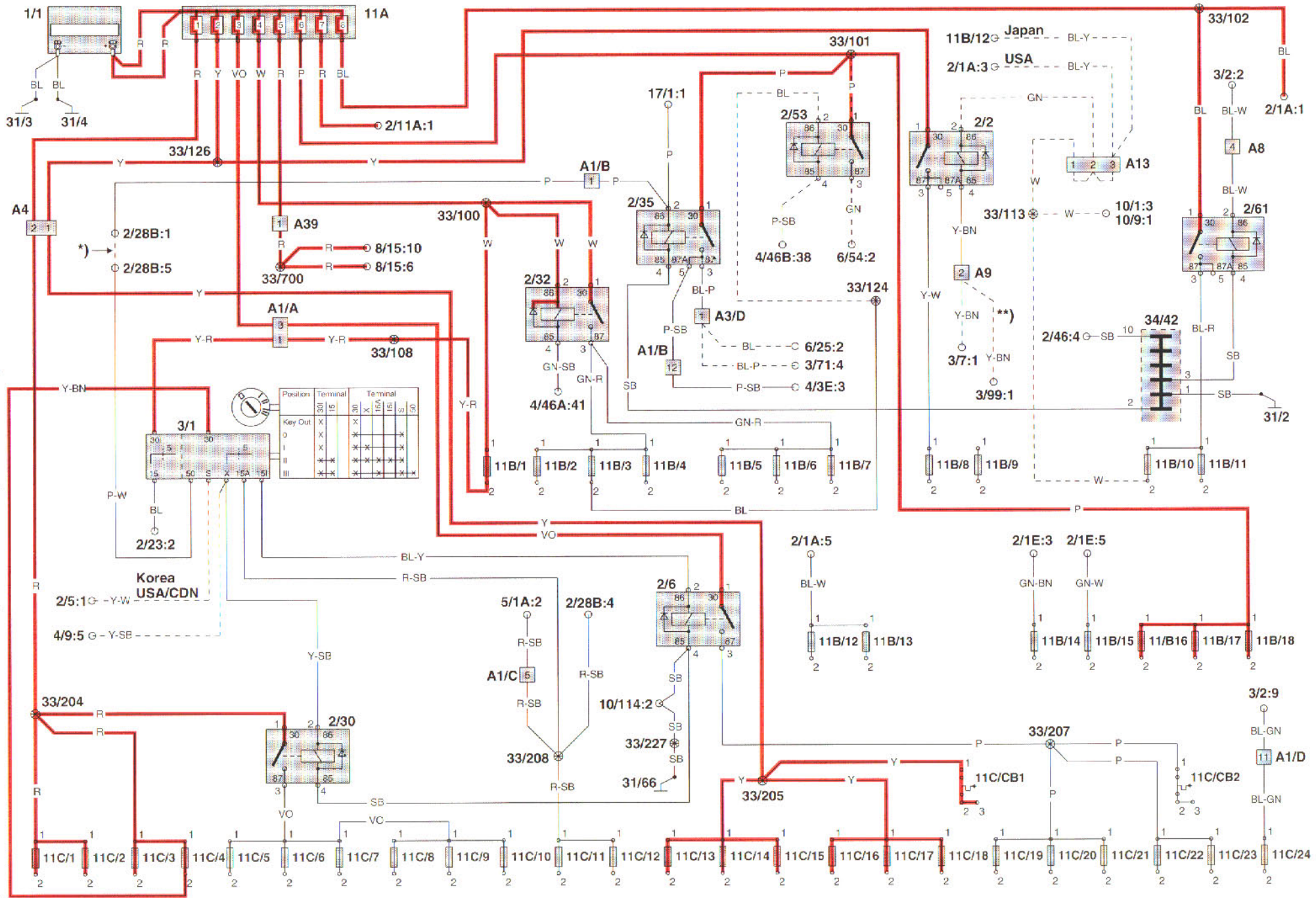
- 1 Battery
- 2 Relay
- 3 Switch
- 4 Control module
- 5 Combined instrument panel
- 6 Electric motor
- 7 Sensor
- 8 Actuator
- 9 Heater element
- 10 Bulb
- 11 Fuse
- 16 Audio
- 17 Service socket
- 19 Gauge
- 20 Ignition component
- 31 Ground connection
- 33 Branching point
- 34 Terminal block

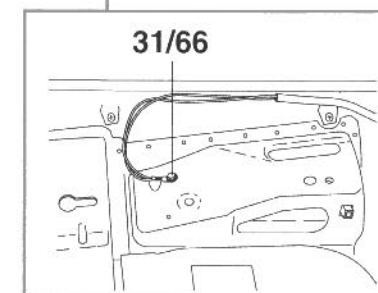
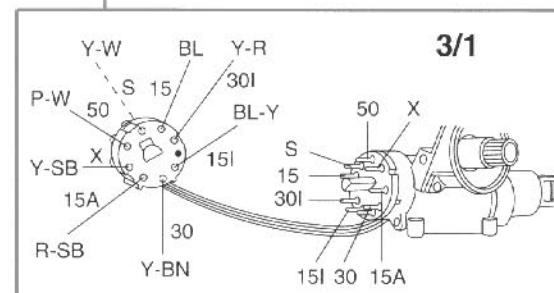
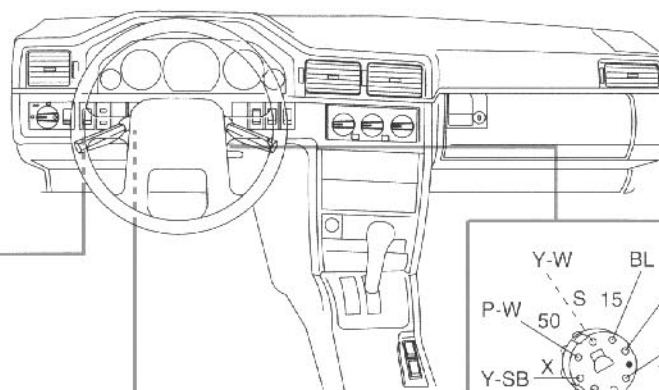
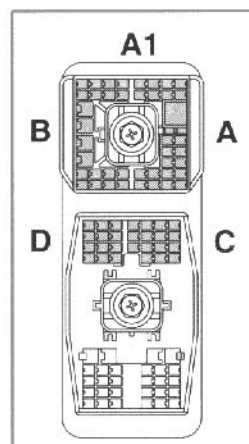
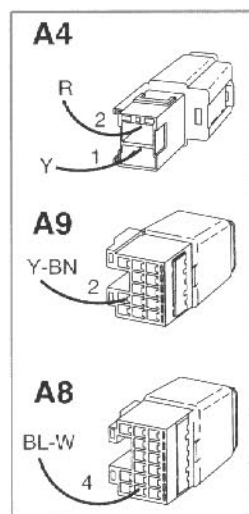
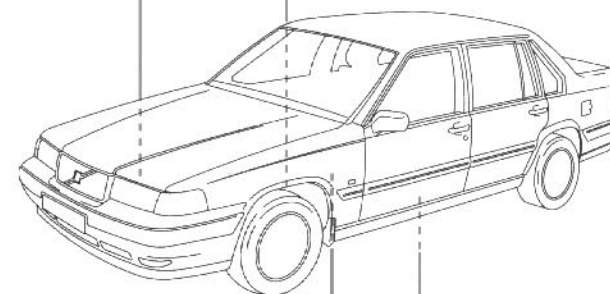
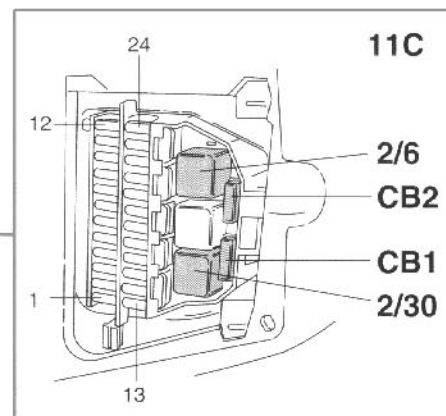
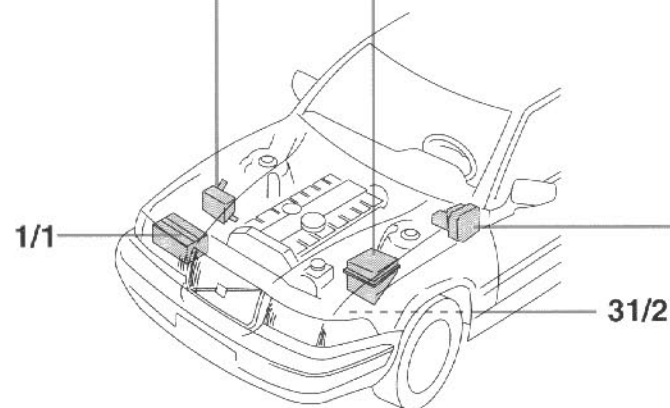
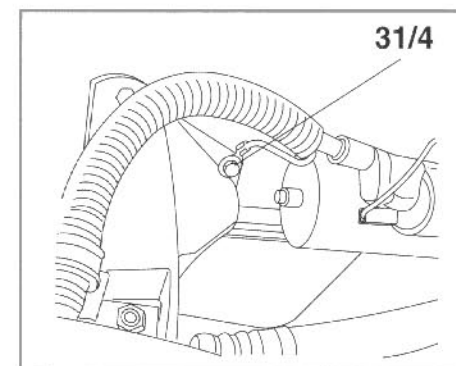
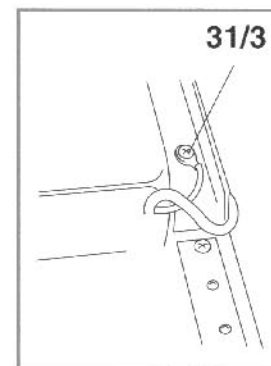
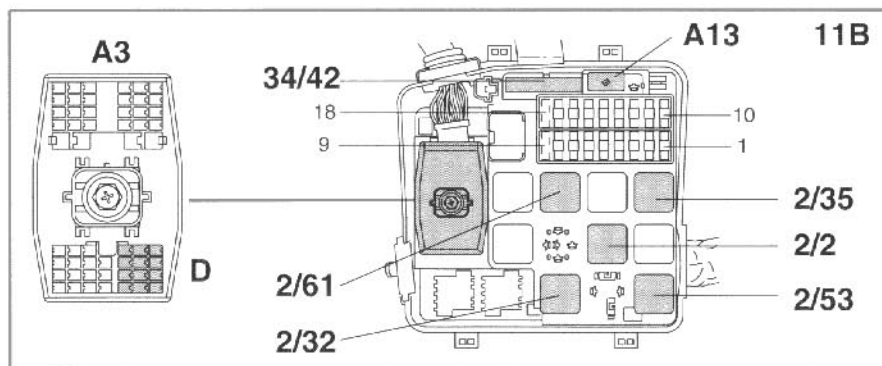
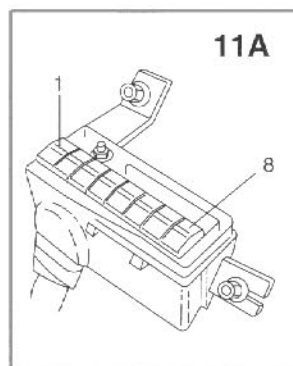
The component designation allows you to move easily from the component diagrams to the wiring diagram itself.

Power distribution

**** Late version (Not USA/CDN)**

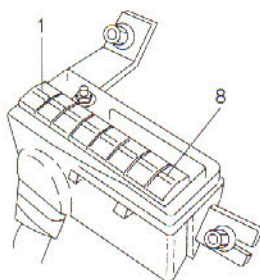
*) Cars without anti-theft alarm





Ignition switch, main fuse and relay-/fuse box in engine compartment

11A



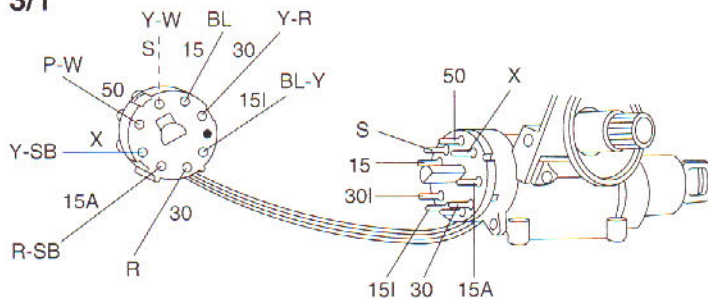
Main fuses, 11A at battery

8 fuses, 50 A each

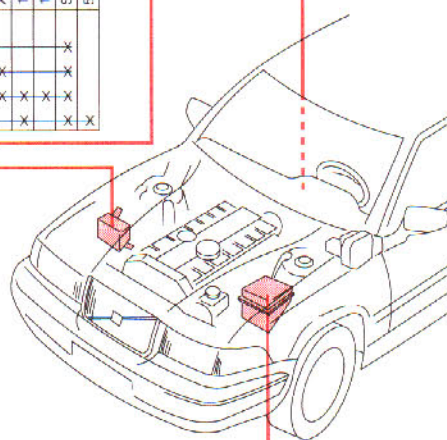
No. Supply 30+

- 1 Fuses 11C/1 up to and incl. 11C/4
Overload relay, X+(2/30)
- 2 Fuses 11C/13 up to and incl. 11C/18
Automatic fuse 11C/CB1
Relay, fog lights (2/2)
- 3 Overload relay, 15I+(2/6)
- 4 Fuse 11B/1 (for ignition connection 30I)
Fuses 11B/2 to 11B/7 via main fuel system relay (2/32)
- 5 ABS hydraulic unit, connections 6 and 10
- 6 Fuses 11B/16 up to and incl. 11B/18
Starter motor relay 50 (2/35)
Air pump relay (2/53)
- 7 Engine cooling fan relay (2/11)
- 8 Parking/side lights relay (2/61)
Main headlight relay with bulb malfunction indicator (2/1)

3/1

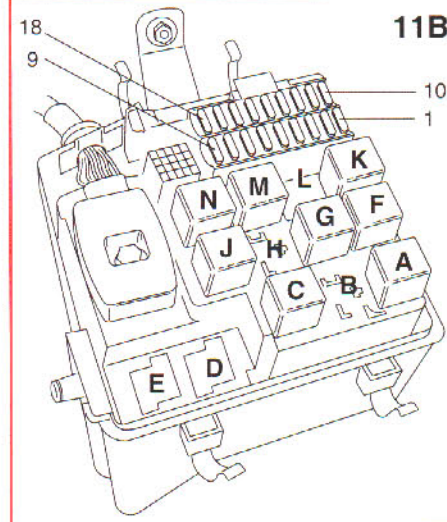


Position	Terminal	Terminal	Terminal	Terminal	Terminal	Terminal	Terminal
	30I	15	30	15A	15I	S	50
Key Out	X		X				
0	X		X	X	X	X	X
I	X		X	X	X	X	X
II	X	X	X	X	X	X	X
III	X	X	X	X	X	X	X



Fuses, 11B, in engine compartment relay/fuse box

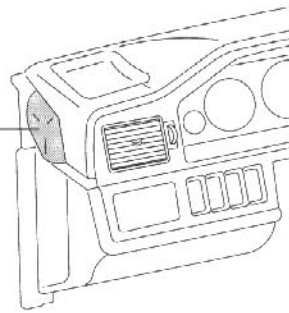
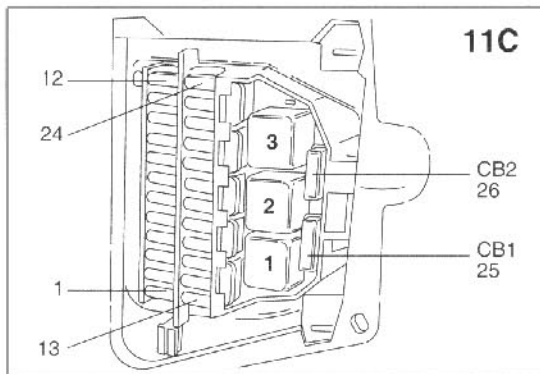
No.	Fused function	Amperes
1	Engine Control Module (ECM) Ignition switch, 30I- supply Control module, automatic transmission (AW30-40/43)	5
2	A/C relay	5
3	Oxygen sensor (HO2S) Relay, auxiliary air system Solenoid, aux. air system EVAP valve	5
4	Fuel pump relay	15
5	Fuel injection valve Mass air flow (MAF) sensor IAC idling valve Engine Control Module (ECM)	15
6	Control module, automatic transmission AW30-40/43	15
7	Ignition coil	25
8	Fog lights	25
9	Spare	15
10	Left marker/side indication light	15
11	Right marker/side indication light	15
12	High beam, left	15
13	High beam, right Accessories Warning light, high beam	15
14	Low beam, left	15
15	Low beam, right	15
16	A/C relay	15
17	Horn	15
18	Accessories,	



Relays in engine compartment relay/fuse box

- A Air pump relay, 2/53
- B Spare
- C Fuel system relay, 2/32
- D Spare
- E Spare
- F A/C relay, 2/22
- G Fog lights relay, 2/2
- H Spare
- J Ignition coil relay, 2/46
- K Starter motor relay, 2/35
- L Spare
- M Marker/parking light relay, 2/61
- N Horn relay, 2/17

Fuse box / relays in car



Relays in fuse box

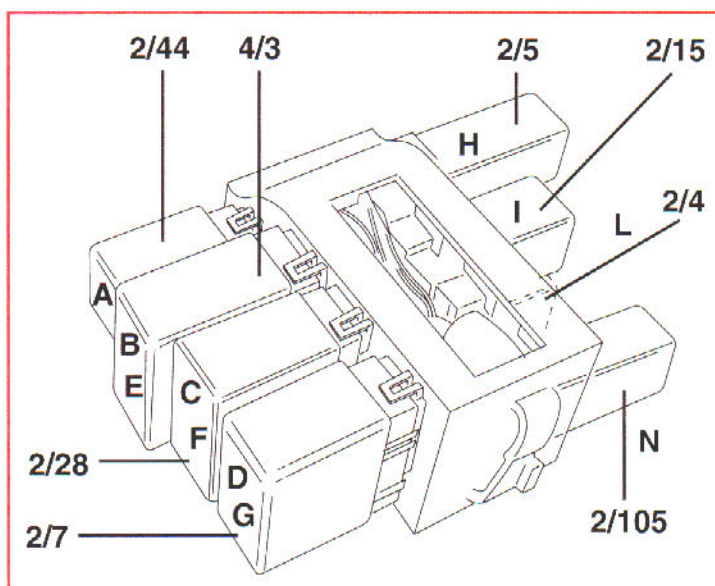
- 1 Overload relay X+, 2/30
- 2 Fuel pump relay, 2/23
- 3 Overload relay 15I+, 2/6

Fuses, 11C, in passenger compartment fusebox

No	Fuse function	Supply	Ampere
1	Relay, el. heated rear window/door mirrors	30+	25
2	Central locking Anti-theft alarm	30+	20
3	Brake lights Light switch	30+	15
4	Ignition switch	30+	10
5	Spare	X+	
6	Windshield wash/wipe Headlight wash/wipe Horn relay	X+	25
7	Climate unit	X+	20
8	Power seat Power door mirrors Tailgate wash/wipe 5-door Rheostat Ambient temperature sensor	X+	15
9	Radio (Remote control module, central lock/anti-theft alarm)	X+	15
10	Beam width control Cigar lighter (Mobile telephone)	X+	15
11	Central locking relay/interior lighting delay Mode selector, AW30-40/43	15A+	5
12	ABS	15A+	5
13	Clock Courtesy and glove compartment lighting (Remote control module, central lock/anti-theft alarm) Door warning lights Electronic start inhibitor (Immobilizer) Trunk lighting Vanity mirror lighting	30+	10
14	Anti-theft alarm, Data Link Connector DLC	30+	5
15	Power antenna High beam flash Indicator lamp, trailer	30+	20
16	(Parking heater) (Mobile telephone)	30+	20
17	Turn signal indicator-hazard flashers Anti-theft alarm	30+	20
18	Radio, Compact Disc changer	30+	15
19	Backup (reversing) lights Turn indicator Cruise control	15I+	15
20	Light switch	15I+	15
21	Seat belt reminder P-shift lock Heated rear window and door mirrors Rear bulb failure warning sensor conn. 8 and trailer +15I supply (not USA/CDN) Temperature sensor (Japan)	15I+	5
22	Heated driver seat +15I	15I+	15
23	Heated passenger seat +15I	15I+	15
24	Switch, rear fog light	15I+ (via 3/2)	5
Automatic fuses			
CB1	Power seat	30+	30
CB2	Power windows Power sunroof	15I+	30

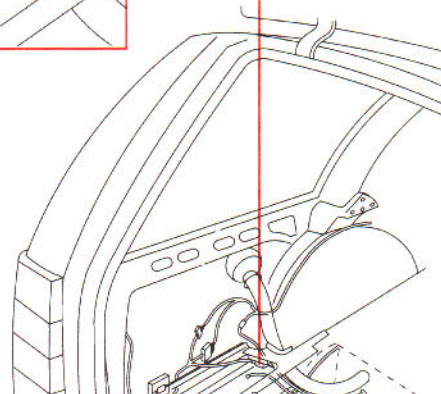
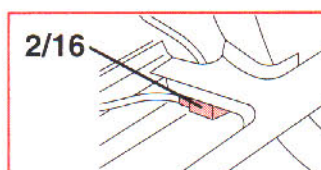
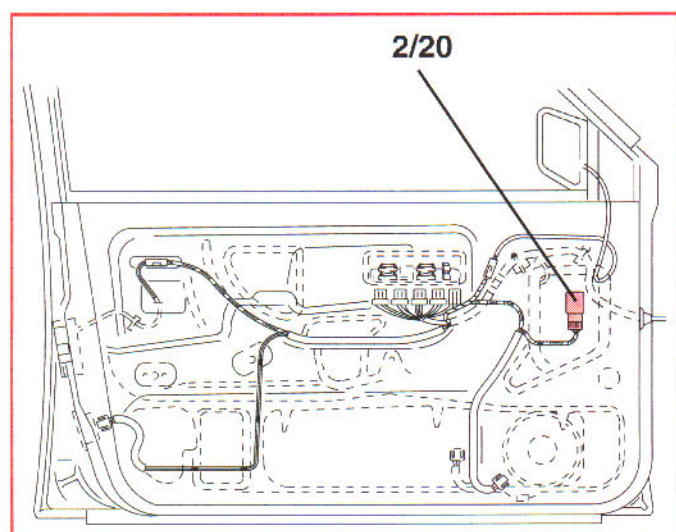
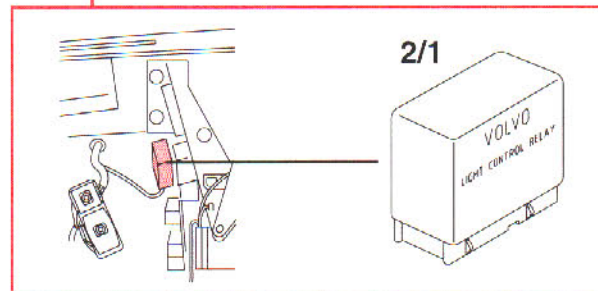
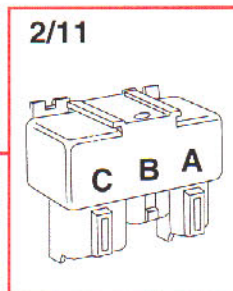
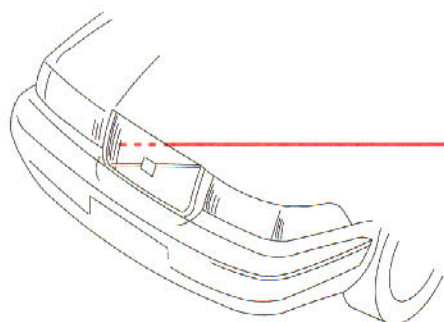
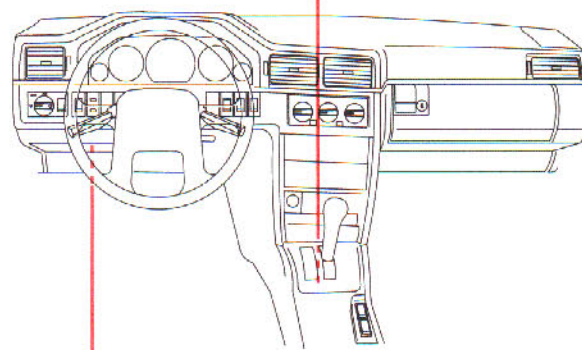
Central relay module in passenger compartment (tunnel)

- 2/4 Windshield wiper intermittent relay
- 2/5 Seat belt reminder/key warning relay
- 2/7 Central lock relay
- 2/15 Exhaust temperature sensor relay (Japan)
- 2/28 Anti-theft alarm relay
- 2/44 Rear window and door mirror heating relay
- 2/105 Driver door relay, 2-stage central locking (USA/CDN)
- 4/3 Control module, cruise control



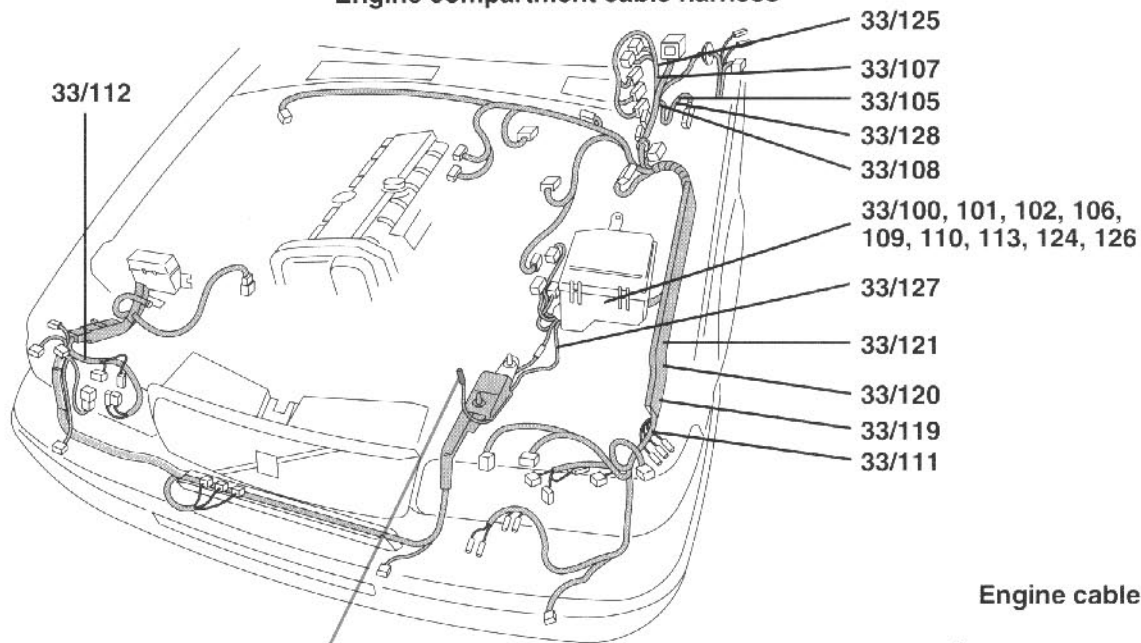
Other relays

- 2/1 Main headlight relay with bulb malfunction indicator
- 2/11 Engine cooling fan (FC) relay
- 2/16 Tailgate wiper, intermittent relay (5-door)
- 2/20 Relay auto-down power windows

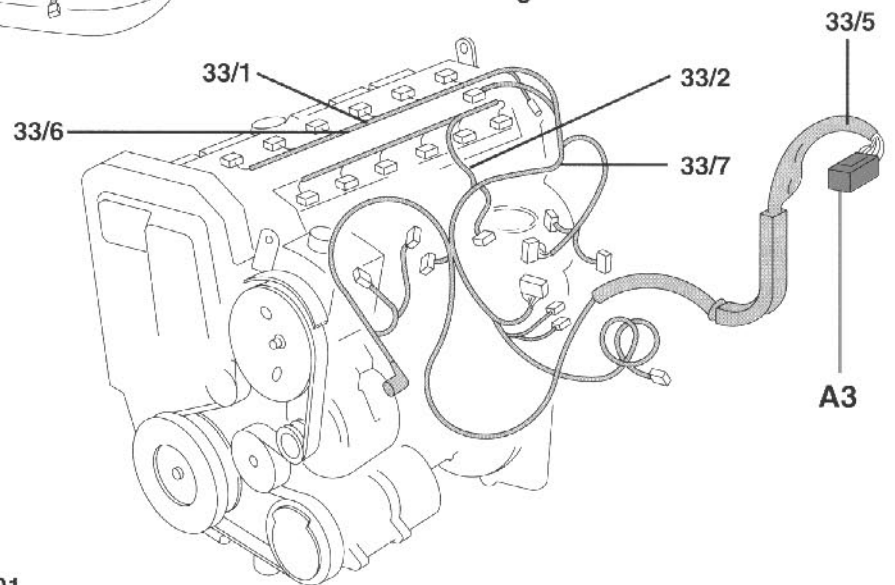


Cable harness routing in car

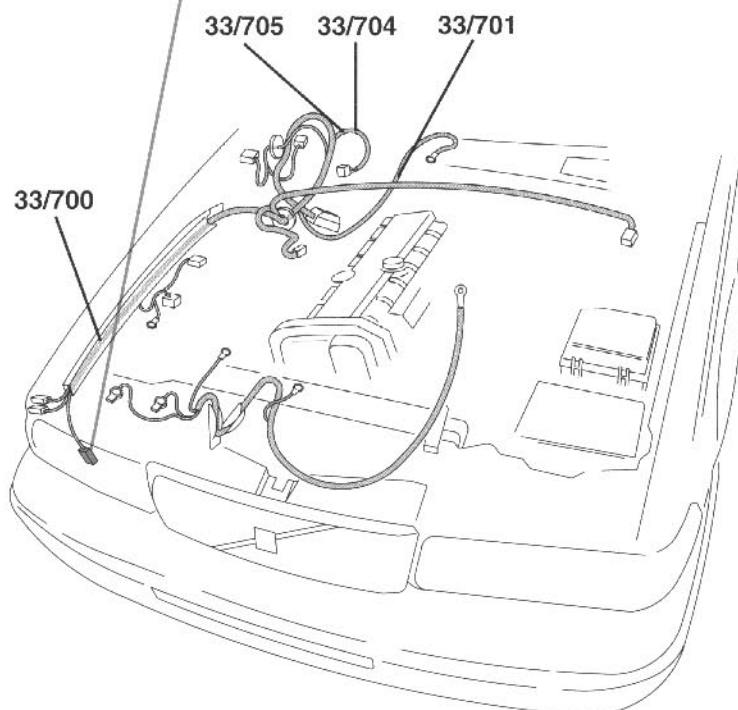
Engine compartment cable harness



Engine cable harness



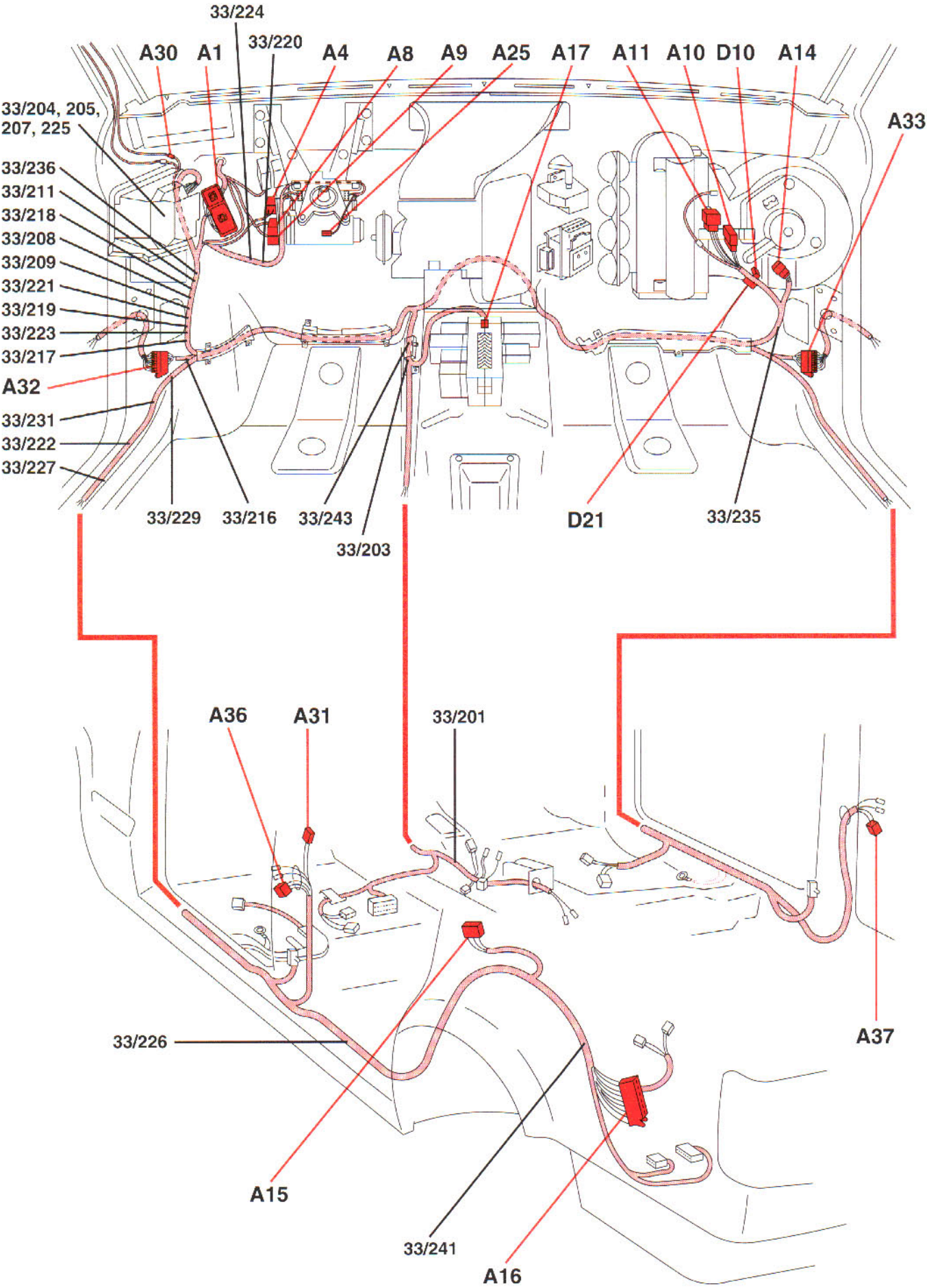
A39



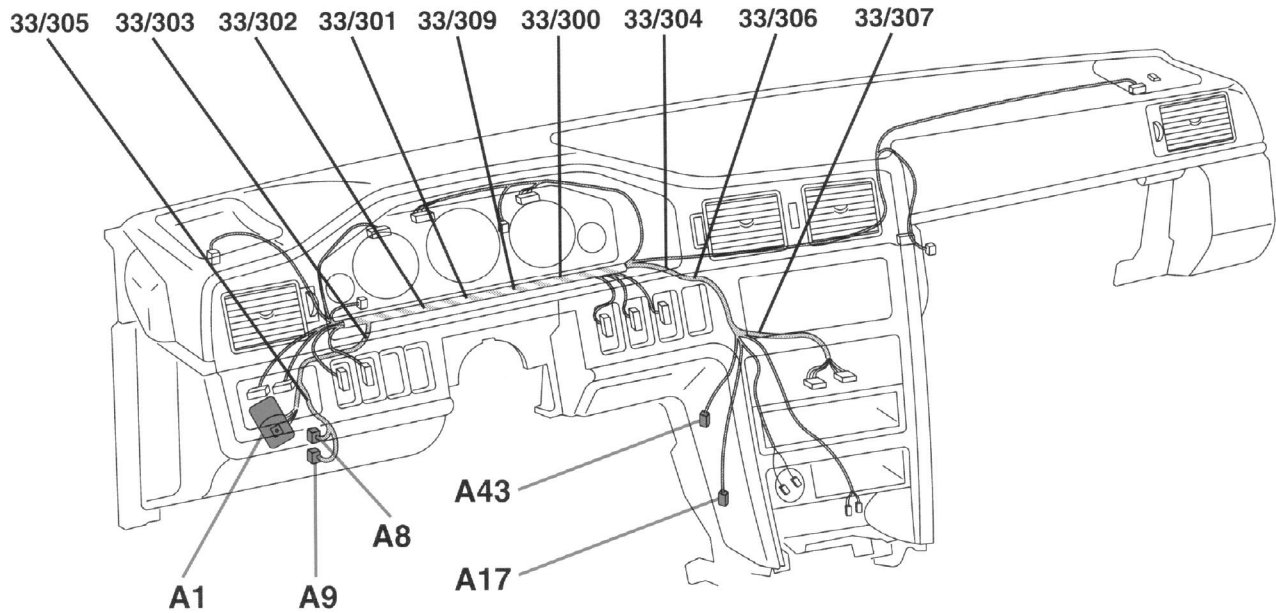
ABS cable harness

Cable harness routing in car

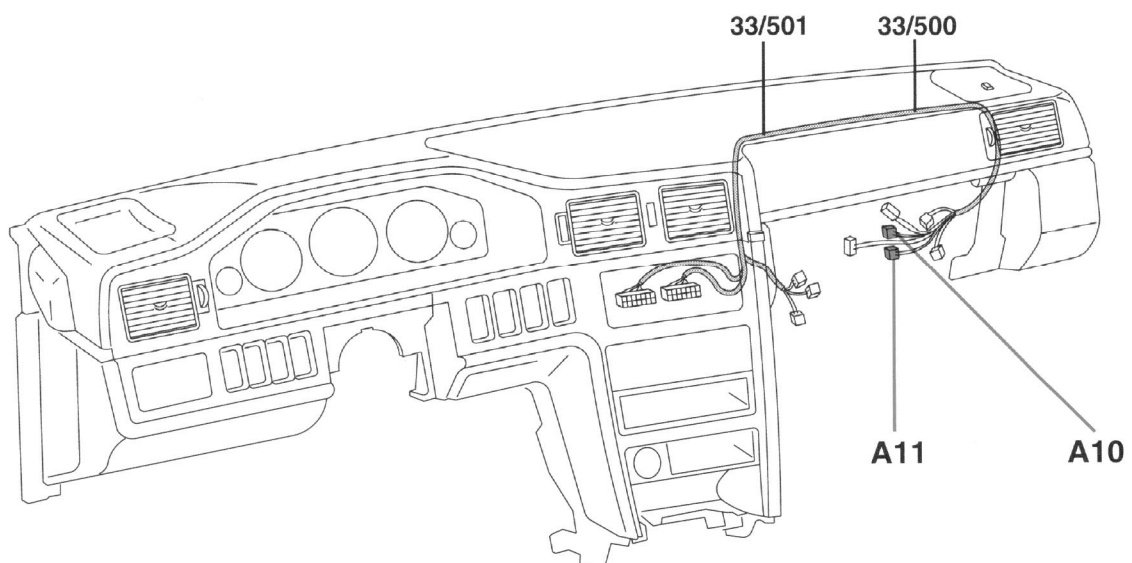
Cable harness, in car



Dashboard cable harness

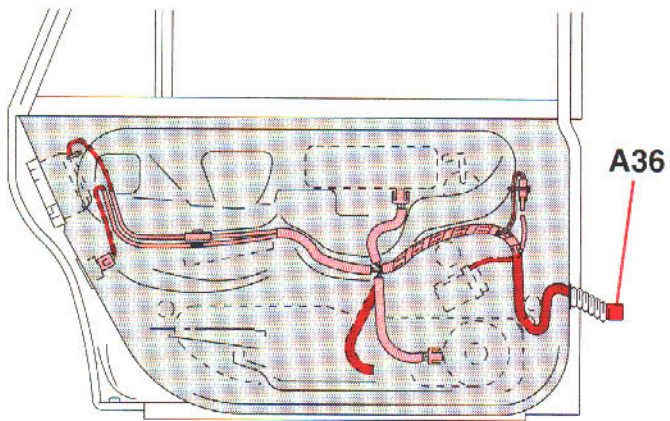


Blower fan/ECC unit cable harness

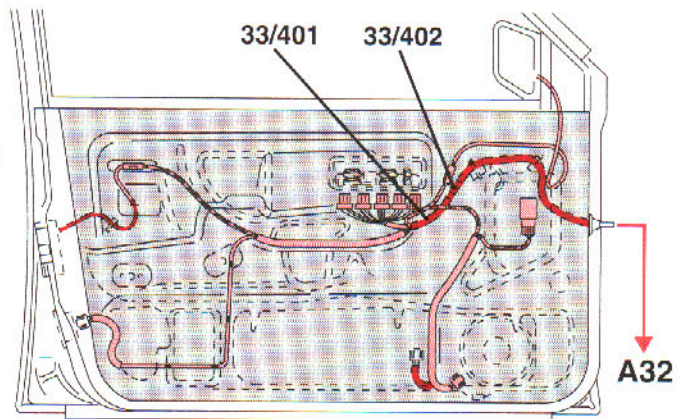


Cable harness routing in car

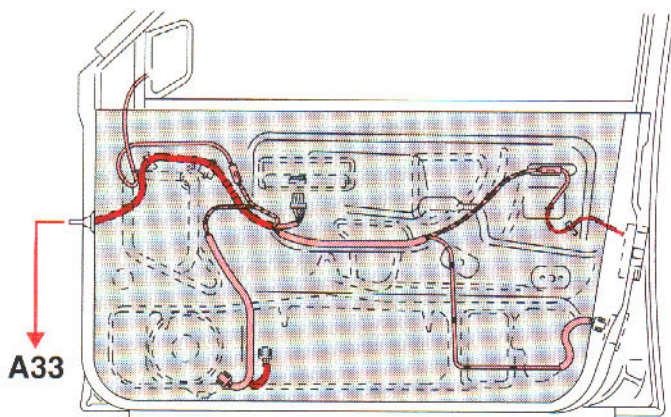
Left rear door cable harness



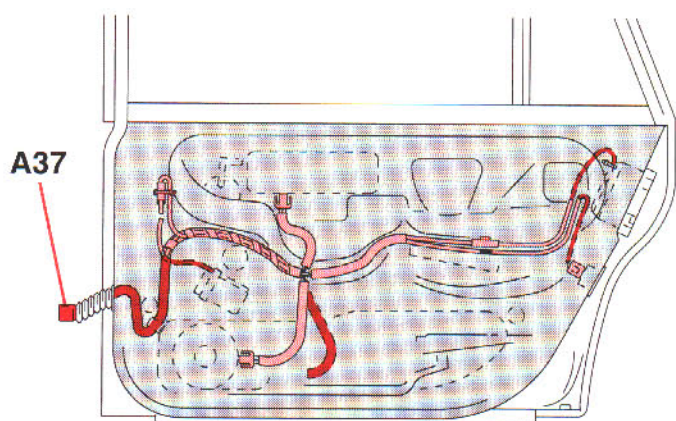
Left front door (driver door) cable harness



Right front door cable harness



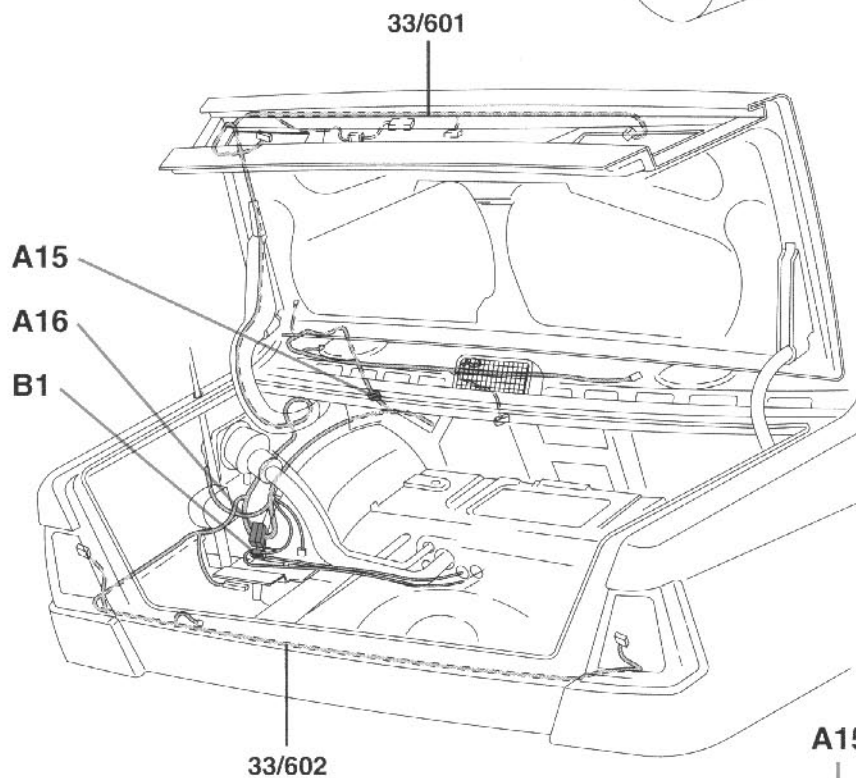
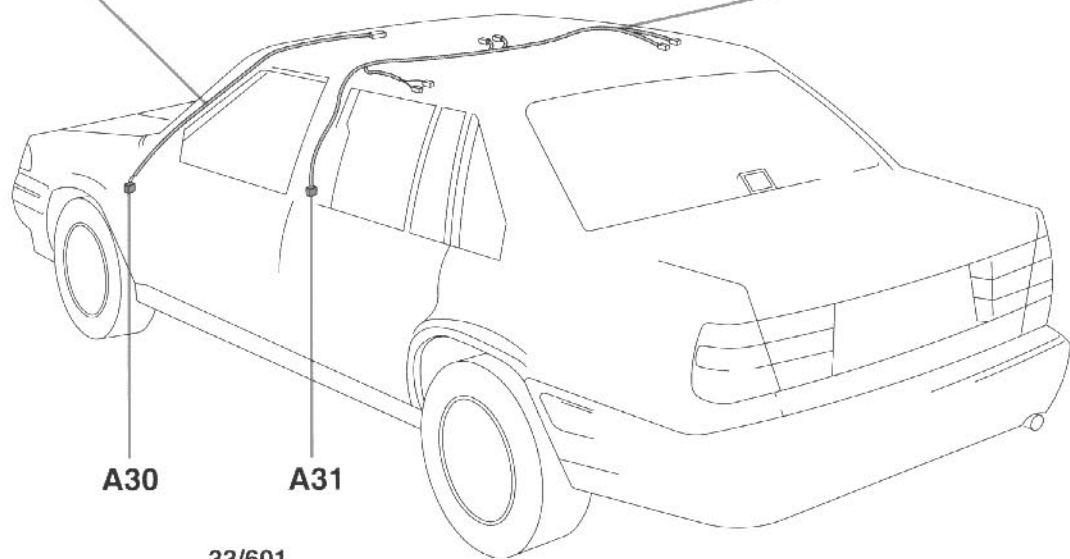
Right rear door cable harness



Cable harness routing in car

Power sunroof cable harness

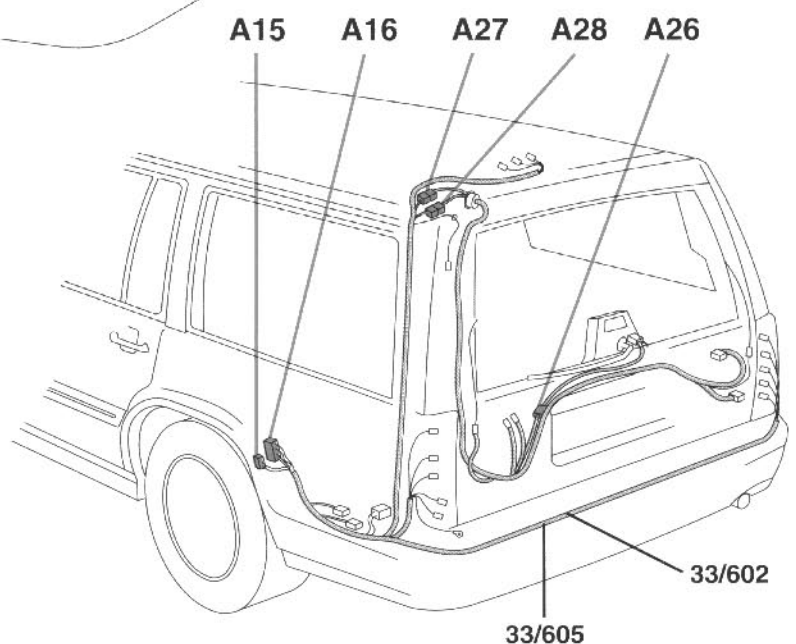
Courtesy lighting cable harness



Rear cable harness
4-door

Rear cable harness
5-door

Cable harness for high-level
stop (brake) light
5-door



33/102 (Relay/fusebox in engine compartment)

On/Off		Color	Note
11A/8	Fuse, at battery	BL	
2/1:1A	Main headlight relay with bulb failure warning sensor	BL	
2/61:1	Relay side marker/parking lights	BL	

33/105 (Harness engine compartment)

On/Off		Color	Note
4/46B:8	Motronic MFI control module	GN-GR	
7/16:2	Engine temperature sensor MFI system (via multi-connector A3/E:10 in integrated relay/fusebox engine compartment)	GN-GR	
7/21:1	Camshaft position sensor (CMP)	GN-GR	
7/54:1	Throttle position (TP) sensor (via multi-connector A3/F:8 in integrated relay/fusebox engine compartment)	GN-GR	
4/46A:18	Motronic engine control module (ECM)	GN-GR	

33/106 (Harness engine compartment)

On/Off		Color	Note
11B/5	Fuse, engine compartment	GN	
4/46A:27	Motronic MFI control module	GN	
7/17:3	Mass air flow (MAF) sensor	GN	
33/2	Branch point (Engine harness) (via multi-connector A3/E:14 in integrated relay/fusebox engine compartment)	GN	

33/107 (Harness engine compartment)

On/Off		Color	Note
31/66	Ground point left seat lifter (via multi-connector A1/B:3 at left A-post)	SB	
3/62:B	Alarm switch, hood (bonnet)	SB	
4/28:1	Automatic Transmission Control Module TCM	SB	
10/15:2	Left side flasher light	SB	

33/108 (Harness engine compartment)

On/Off		Color	Note
11B/1	Fuse, engine compartment	Y-R	
3/1:30I	Ignition switch (via multi-connector A1/A:1 at left A-post)	Y-R	
4/46:A26	Motronic MFI control module	Y-R	
4/28:30	Automatic Transmission Control Module TCM	Y-R	

Branching points

33/109 (Relay/fusebox in engine compartment)

	On/Off	Color	Note
33/127	Branch point (Engine harness)	BN	
3/42:2	Kickdown switch	BN	
4/46:A42	Motronic MFI control module	BN	
17/13:5	Data link connector (DLC) (via multi-connector A1/A:18 by left A-pillar)	BN	
4/28:15	Automatic transmission control module (TCM)	BN	
4/22:8	Immobilizer control module (via multi-connector A1/A:7 by left A-pillar)	BN	

33/110 (Relay/fusebox in engine compartment)

	On/Off	Color	Note
11B/8:2	Fuse, engine compartment	W-SB	
3/7:6	Fog light switch (+) (via connector A8:13 Engine compartment harness - dashboard harness)	W-SB	
10/5:1	Left front fog light	W-SB	
10/6:1	Right fog light assy.	W-SB	

33/111 (Harness engine compartment)

	On/Off	Color	Note
31/2	Ground point left front fender (wing)	SB	
2/1A:8	Main headlight relay with bulb failure warning sensor	SB	
6/2:2	Washer motor front	SB	
6/4:3	Left headlight wiper motor	SB	
6/30:2	Tailgate washer motor	SB	
7/4:2	Brake fluid level sensor (-)	SB	
7/5:2	Washer fluid level sensor	SB	
10/1:4	Left front light	SB	
10/5:2	Left front fog light	SB	
10/9:3	Left side marker light and turn signal, front	SB	Only USA/CDN
10/13:3	Left turn signal, front	SB	Only EU/OS

33/112 (Harness engine compartment)

	On/Off	Color	Note
31/1	Ground point right front fender (wing)	SB	
6/3:3	Right headlight wiper motor	SB	
10/2:4	Right front light	SB	
10/6:2	Right fog light assy.	SB	
10/10:3	Right side marker light and turn signal, front	SB	Only USA/CDN
10/14:3	Right turn signal, front	SB	Only EU/OS

33/113 (Relay/fusebox in engine compartment)

	On/Off	Color	Note
11B/10:2	Fuse, engine compartment	W	
A13:1	Connector fog light bridge	W	
10/9:1	Left side marker light, front	W	Only USA/CDN
10/1:3	Left side marker light, front	W	Only EU/OS

33/119 (Harness engine compartment)

	On/Off	Color	Note
33/303	Branch point (Dashboard harness) (via connector A8:5 Engine compartment harness - dashboard harness)	GR-R	
6/38:B1	Beam length control, left actuator	GR-R	
6/39:B1	Beam length control, right actuator	GR-R	

33/120 (Harness engine compartment)

	On/Off	Color	Note
33/301	Branch point (Dashboard harness) (via connector A8:7 Engine compartment harness - dashboard harness)	SB	
6/38:A	Beam length control, left actuator	SB	
6/39:A	Beam length control, right actuator	SB	

33/121 (Harness engine compartment)

	On/Off	Color	Note
3/59:4	Beam length control (Dashboard harness) (via connector A8:6 Engine compartment harness - dashboard harness)	GR	
6/38:B2	Beam length control, left actuator	GR	
6/39:B2	Beam length control, right actuator	GR	

33/124 (Engine compartment harness)

	On/Off	Color	Note
11B/3:2	Fuse in integrated relay/fusebox	BL	
33/7	Junction point in engine compartment harness (via multi-connector A3/F:14 in integrated relay/fusebox)	BL	
8/16:1	Secondary air injection system solenoid switch	BL	
8/18:1	Canister purge (CP) valve	BL	
2/53:2	Pulsed secondary air injection system (PAIR) pump relay	BL	

33/125 (Engine compartment harness, only USA/Canada)

	On/Off	Color	Note
34/18	Terminal block in passenger compartment central relay module (via multi-connector A1/A:19 by left A-pillar)	Y	
4/46:B36	Motronic engine control module (ECM)	Y	
4/28:21	AW30-40/43 transmission control module (TCM)	Y	

33/126 (Relay/fusebox in engine compartment)

	On/Off	Color	Note
11A/2	Fuse, at battery	Y	
2/2:1	Fog light relay	Y	
33/205	Branch point (In-car harness, in fusebox) (via connector A4:1 Engine compartment harness - in-car harness)	Y	

Branching points

33/127 (Engine compartment harness)

	On/Off	Color	Note
31/53	Ground terminal left side member in engine compartment	SB	
33/109	Junction point (engine compartment harness)	BN	
4/46:A13	Motronic engine control module (ECM)	SB	
4/46:A28	Motronic engine control module (ECM)	SB	

33/128 (Engine compartment harness)

	On/Off	Color	Note
4/46A:17	Motronic engine control module (ECM)	BL-R	
7/23:2	Knock sensor (KS) rear (via multi-connector A3/D:4 in integrated relay/fusebox)	BL-R	
7/24:2	Knock sensor (KS) front (via multi-connector A3/F:4 in integrated relay/fusebox)	BL-R	

33/201 (In-car harness)

	On/Off	Color	Note
34/19: 8, 19, 20	Connector: terminal block at parking brake bracket	SB	

33/203 (In-car harness)

	On/Off	Color	Note
33/232	Branch point (In-car harness)	SB	
2/7A:2	Central locking/delayed courtesy lighting relay	SB	
3/100:1	Locking module driver door	SB	
17/13:4	Data link connector (DLC)	SB	
9/22:A2	Heated driver's seat	SB	
2/105	Two stage locking relay	SB	

33/204 (In-car harness, in fusebox)

	On/Off	Color	Note
11A/1	Fuse, at battery (via connector A4:2 Engine compartment harness - in-car harness)	R	
2/30:1	Overload relay X+	R	
11C/1-2	Fuse, in-car	R	
11C/3-4	Fuse, in-car	R	

33/205 (In-car harness, in fusebox)

	On/Off	Color	Note
33/126	Branch point (Relay/fusebox in engine compartment) (via connector A4:1 Engine compartment harness - in-car harness)	Y	
11C/13-15	Fuse, in-car	Y	
11C/16-18	Fuse, in-car	Y	
11C/CB1:1	Automatic fuse, in-car	Y	

33/207 (In-car harness, in fusebox)

	On/Off	Color	Note
2/6:3	Overload relay 15l	P	
11C/19-21	Fuses, in-car	P	
11C/22-23	Fuses, in-car	P	
11C/CB2:1	Automatic fuse, in-car	P	

33/208 (In-car harness)

	On/Off	Color	Note
3/1:15A	Ignition switch	R-SB	
2/28B:4	Car alarm relay	R-SB	
5/1:A2	Combined instrument panel (via multi-connector A1/C:5 at left A-post)	R-SB	
11C/11-12	Fuse, in-car	R-SB	

33/209 (In-car harness)

	On/Off	Color	Note
6/26:D+	Generator (via multi-connector A1/B:2 at left A-post and multi-connector A3/D:2 in integrated relay/fusebox engine compartment)	R	
4/6A:20	Control module, ECC (via connector A10:5 In-car harness - ECC harness)	R	
4/9:12	SRS crash sensor module	R	
4/16:15	ABS control module (via connector A14:6 Anti-lock braking system ABS harness - in-car harness)	R	
5/1C:3	Combined instrument panel (via multi-connector A1/C:3 at left A-post)	R	

33/211 (In-car harness)

	On/Off	Color	Note
3/9:2	Stop (Brake) light switch	Y-BN	
4/3B:6	Control module, Cruise control	Y-BN	
4/16:25	ABS control module (via connector A14:5 Anti-lock braking system ABS harness - in-car harness)	Y-BN	Automatic transmission only
4/28:5	Automatic Transmission Control Module TCM (via multi-connector A1/A:15 at left A-post)	Y-BN	
7/1:12	Bulb failure warning sensor, rear (via connector A16:13 In-car harness - rear harness)	Y-BN	Only USA/CDN
7/1:12	Bulb failure warning sensor, rear (via connector A16:13 Passenger compartment harness - harness rear)	Y-BN	Only EU/OS
D5:6	Towing hitch connector (via connector A16:13 In-car harness - rear harness)	Y-BN	Only EU/OS

Branching points

33/216 (In-car harness)

On/Off		Color	Note
11C/CB2:2 Automatic fuse, in-car		Y-R	
3/20:4	Front passenger power window switch (via connector A33:24 In-car harness - front passenger door harness)	Y-R	
3/25:4	Switch, power sunroof (via multi-connector A1/C:13 at left A-post)	Y-R	
33/402	Branch point (Driver door harness) (via connector A32:20 In-car harness - driver door harness)	Y-R	

33/217 (In-car harness)

On/Off		Color	Note
11C/21:2 Fuse, in-car		Y-GR	
2/5:4	Seat belt reminder/key warning relay	Y-GR	
2/15:2	Relay, exhaust temperature sensor	Y-GR	
2/44:1	Relay rear window/door mirror heating	Y-GR	
3/9:4	Stop (Brake) light switch	Y-GR	
5/1A:7	Combined instrument panel (via multi-connector A1/E:4 at left A-post)	Y-GR	
7/1:8	Bulb failure warning sensor, rear (via connector A16:4 In-car harness - rear harness)	Y-GR	Only USA/CDN
7/1:8	Bulb failure warning sensor, rear	Y-GR	Only EU/OS
D5:10	Towing hitch connector (via connector A16:4 In-car harness - rear harness)	Y-GR	

33/218 (In-car harness)

On/Off		Color	Note
11C/6:2 Fuse, in-car		Y	
2/4:3	Windshield wiper intermittent relay	Y	
3/12:5	Switch, windshield wipe/wash	Y	
6/1:1	Windshield wiper motor	Y	
34/42:6	Connector: terminal block in integrated relay/fusebox engine compartment (via multi-connector A1/A:23 at left A-post)	Y	

33/219 (In-car harness)

	On/Off	Color	Note
11C/13:2	Fuse, in-car	GN-R	
4/19:5	Remote control module, central lock/anti-theft alarm	GN-R	
10/30:1	Door edge light, driver door (via connector A32:1 In-car harness - driver door harness)	GN-R	
10/31:1	Door edge light passenger side front (via connector A33:1 In-car harness - front passenger door harness)	GN-R	
10/32:1	Warning lamp, left rear door (via connector A32:1 In-car harness - driver door harness) and connector A36:3 In-car harness - left rear door harness)	GN-R	
10/33:1	Warning lamp, right rear door (via connector A33:1 In-car harness - front passenger door harness) and connector A37:3 In-car harness - right rear door harness)	GN-R	
10/114:1	Vanity mirror lighting, left side	GN-R	
10/115:1	Vanity mirror lighting, right side	GN-R	
A31:4	Connector (In-car harness - interior lighting harness)	GN-R	
10/125	Step-in lighting left side via 10/114:1	GN-R	
10/126	Step-in lighting left side via 10/115:1	GN-R	
10/24:1	Cargo compartment lighting	GN-R	
10/25:1	Cargo compartment roof light, 5-door (via connector A31 Passenger compartment harness - harness front passenger door and connector A15 passenger compartment harness - harness parcel shelf 4-door/ harness rear 5-door)	GN-R	

33/220 (In-car harness)

	On/Off	Color	Note
2/28A:3	Car alarm relay	GN	
3/3:3	Switch, Turn signal/High (main) and low beams	GN	
3/6:5	Switch, hazard lights with flasher relay (via multi-connector A1/D:8 at left A-post)	GN	
10/9:2	Left front turn indicator (via multi-connector A1/B:17 at left A-post)	GN	Only USA/CDN
10/15:1	Left side flasher light (via multi-connector A1/B:8 at left A-post)	GN	Not USA/CDN
10/13:2	Left front turn indicator (via multi-connector A1/B:17 at left A-post)	GN	Not USA/CDN
10/18:3K	Left rear turn indicator (4-door)	GN	
10/18:4	Left rear turn indicator (5-door)	GN	
D5:1	Towing hitch connector (Not USA/CDN) (via connector A16:7 In-car harness - rear harness)	GN	

Branching points

33/221 (In-car harness)

	On/Off	Color	Note
2/28A:5	Car alarm relay	BL-GN	
3/3:7	Switch, Turn signal/High (main) and low beams	BL-GN	
3/6:4	Switch, hazard lights with flasher relay (via multi-connector A1/D:9 at left A-post)	BL-GN	
10/14:2	Right turn signal, front (via multi-connector A1/B:18 at left A-post)	BL-GN	Not USA/CANADA
10/16:1	Right side flasher light (via connector A14:8 Anti-lock braking system ABS harness - in-car harness)	BL-GN	Not USA/CANADA
10/10:2	Right front turn indicator (via multi-connector A1/B:17 by left A-pillar)	BL-GN	Only USA/CANADA
10/17:3K	Right turn indicator (4-door)	BL-GN	
10/17:4	Right rear turn indicator (5-door)	BL-GN	
D5:4	Towing hitch connector (via connector A16:8 In-car harness - rear harness)	BL-GN	

33/222 (In-car harness)

	On/Off	Color	Note
3/22:2	Rear power windows switch (via connector A32:19 In-car harness - driver door harness)	P	
3/19:4	Power window switch driver side rear (via connector A36:5 In-car harness - left rear door harness)	P	
3/21:4	Power window switch passenger side rear (via connector A37:5 In-car harness - right rear door harness)	P	

33/223 (In-car harness)

	On/Off	Color	Note
11C/8:2	Fuse, in-car	OR	
2/16:3	Tailgate wiper intermittent relay (via connector A16:1 In-car harness - rear harness)	OR	
3/13:4	Tailgate wash/wipe switch	OR	
3/24:2	Switch power door mirror passenger side (via connector A32:10 In-car harness - driver door harness)	OR	
3/27:2	Controls module passenger seat	OR	

33/224 (In-car harness)

On/Off		Color	Note
11C/19:2	Fuse, in-car	BL-Y	
3/4:2	Cruise control stalk	BL-Y	
3/6:9	Switch, hazard lights with flasher relay (via multi-connector A1/D:10 at left A-post)	BL-Y	
3/10:1	Backup (reversing) light switch (via multi-connector A1/B:9 at left A-post and multi-connector A3/C:14 in integrated relay/fusebox engine compartment)	BL-Y	Manual transmission only
3/71:1	Transmission range selector indicator (via multi-connector A1/B:9 at left A-post and multi-connector A3/C:14 in integrated relay/fusebox engine compartment)	BL-Y	Automatic transmission only
4/3B:1	Control module, Cruise control	BL-Y	

33/225 (In-car harness, in fusebox)

On/Off		Color	Note
11C/CB1:2	Automatic fuse, in-car	R-SB	
3/27:1	Controls module passenger seat	R-SB	
4/52:A1	Power seat control module, driver, with NVRAM memory	R-SB	

33/226 (In-car harness)

On/Off		Color	Note
31/66	Ground point left seat lifter	SB	
4/52:A3	Power seat control module, driver, with NVRAM memory	SB	
6/34:4	Power antenna	SB	
10/22:1	Dome light (interior lighting)	SB	
10/26:2	Reading light, left rear	SB	
10/27:2	Reading light, right rear (via connector A31:2 In-car harness - interior lighting harness)	SB	
D5:3	Towing hitch connector	BN	Not USA/CANADA
7/100:1	Tilt sensor	SB	

33/227 (In-car harness)

On/Off		Color	Note
31/66	Ground point left seat lifter	SB	
3/13:3	Tailgate wash/wipe switch	SB	
4/3B:3	Control module, Cruise control	SB	
4/19:1	Remote control module, central lock/anti-theft alarm	SB	
5/1B:5	Combined instrument panel (via multi-connector A1/C:12 at left A-post)	SB	
6/33-2:4	Fuel pump	SB	
9/1:1	Cigar lighter (via multi-connector A1/F:1 at left A-post)	SB	Not sunroof
10/114:2	Vanity mirror lighting, left side	SB	
33/301	Branch point (Dashboard harness) (via multi-connector A1/E:1 at left A-post)	SB	
33/304	Branch point (Dashboard harness) (via multi-connector A1/F:1 at left A-post)	SB	
33/401	Branch point (Driver door harness) (via connector A32:21 In-car harness - driver door harness)	SB	

Branching points

33/229 (In-car harness)

	On/Off	Color	Note
2/7B:2	Central locking/delayed courtesy lighting relay	W-SB	
3/31	Door switch, driver door (via multi-connector A1/A:4 at left A-post)	W-SB	
3/32	Door switch front passenger door (via connector A14:11 Anti-lock braking system ABS harness - in-car harness)	W-SB	
3/33	Door switch rear left	W-SB	
3/34	Door switch rear right	W-SB	
10/125:2	Entry lighting, driver side	W-SB	
10/126:2	Entry lighting, passenger side	W-SB	

33/231 (In-car harness)

	On/Off	Color	Note
2/44:3	Relay rear window/door mirror heating	Y	
3/8:6	Switch with timer relay heated rear window/door mirrors (via multi-connector A1/E:14 at left A-post)	Y	
9/2:1	Heated rear window (via connector A15:9 In-car harness - parcel shelf harness)	Y	Only 4-door
9/2:1	Heated rear window (via connector A15:9 In-car harness - rear harness and connector A27:1 Rear harness - tailgate harness)	Y	Only 5-door

33/232 (In-car harness)

	On/Off	Color	Note
31/67	Ground point right seat lifter	SB	
3/27:3	Controls module passenger seat	SB	
6/14:3	Power door mirror passenger side (via connector A33:21 In-car harness - front passenger door harness)	SB	
9/23:2	Heated passenger seat	SB	
10/115:2	Vanity mirror lighting, right side	SB	
33/203	Branch point (In-car harness)	SB	
33/500	Branch point (ECC harness) (via connector A11:2 In-car harness - ECC harness)	SB	
D10:1	Connector (In-car harness - accessories)	SB	

33/235 (In-car harness)

	On/Off	Color	Note
7/33:2	Vehicle Speed Sensor VSS and Anti-lock braking ABS	GN-W	
4/16:7	ABS control module (via connector A14:1 Anti-lock braking system ABS harness - in-car harness)	GN-W	
5/1A:5	Combined instrument panel (via multi-connector A1/C:2 at left A-post)	GN-W	

33/236 (In-car harness)

On/Off		Color	Note
3/63:6	Driving mode selector, automatic transmission	BN-OR	
4/28:40	Automatic Transmission Control Module TCM (via multi-connector A1/A:11 at left A-post)	BN-OR	
5/1A:6	Combined instrument panel (via multi-connector A1/E:9 at left A-post)	BN-OR	

33/241 (In-car harness)

On/Off		Color	Note
11C/15:2	Fuse passenger compartment (30+ supply)	GN-SB	Not USA/CANADA
D5:9	Connector tow hitch, 30+ supply	GN-SB	Not USA/CANADA
6/34:1	Power antenna	GN-SB	Not USA/CANADA

33/243 (In-car harness)

On/Off		Color	Note
2/28C:5	Anti-theft alarm relay (Guard Alarm II)	OR	
7/100:3	Tilt sensor	OR	
7/101:3	Glass breakage sensor via multi-connector A1/E:12 by left A-pillar	OR	

33/300 (Dashboard harness)

On/Off		Color	Note
3/70:2	Clock/rheostat switch	BN-SB	
3/2:1	Light switch	BN-SB	
3/6:2	Switch, hazard lights with flasher relay	BN-SB	
3/7:2	Fog light switch (+)	BN-SB	
3/8:2	Switch with timer relay heated rear window/door mirrors	BN-SB	
3/25:2	Switch, power sunroof	BN-SB	
3/59:2	Beam length control	BN-SB	
5/1B:12	Combined instrument panel	BN-SB	
10/37:2	Cigar lighter lighting	BN-SB	
10/72:2	Ashtray lighting, front	BN-SB	
16/1A:10	Radio	BN-SB	
D8:2	Connector: (Dashboard harness - outer temp. sensor)	BN-SB	
34/18:16	Terminal block in passenger compartment central relay module (Passenger compartment harness) (via multi-connector A1/E:2 by left A-pillar)	BN-SB	
3/98:2	Switch, central locking	BN-SB	Only USA/CANADA
3/58:2	Switch rear fog lights	BN-SB	Not USA/CANADA
3/99:2	Switch front fog lights	BN-SB	Not USA/CANADA

Branching points

33/301 (Dashboard harness)

	On/Off	Color	Note
33/227	Branching point (via multi-connector A1/E:1 at left A-post)	SB	
3/2:10	Light switch	SB	
3/6:3	Switch, hazard lights with flasher relay	SB	
3/7:5	Fog light switch (+)	SB	
3/8:5	Switch with timer relay heated rear window/door mirrors	SB	
7/101:1	Glass breakage sensor (Guard Alarm II)	SB	
3/59:5	Beam length control	SB	
3/70:5	Clock/rheostat switch	SB	
10/29:2	Glove compartment lighting	SB	
10/37:1	Cigar lighter lighting	SB	
10/72:1	Ashtray lighting, front	SB	
16/1A:11	Radio	SB	
33/120	Branch point (Engine compartment harness) (via connector A8:7 Engine compartment harness - dashboard harness)	SB	
D8:1, 4	Connector: (Dashboard harness - outer temp. sensor)	SB	
3/98:4	Switch, central locking	SB	Only USA/CANADA
3/98:5	Switch, central locking	SB	Only USA/CANADA
3/58:5	Switch, rear fog lights	SB	Not USA/CANADA
3/99:5	Switch, front fog lights	SB	Not USA/CANADA

33/302 (Dashboard harness)

	On/Off	Color	Note
5/1D:1	Combined instrument panel, digital output	GN-OR	
34/19:12	Terminal block by parking brake bracket (via multi-connector A1/E:13 by left A-pillar)	GN-OR	
4/46B:18	Motronic engine control module (ECM) (via connector A9:5 engine compartment harness - dashboard harness)	GN-OR	
16/1B:7	Radio	GN-OR	

33/303 (Dashboard harness)

	On/Off	Color	Note
11C/10:2	Fuse, in-car (via multi-connector A1/E:7 at left A-post)	GR-R	
3/59:3	Beam length control	GR-R	
9/1:2	Cigar lighter	GR-R	
33/119	Branch point (Engine compartment harness) (via connector A8:5 Engine compartment harness - dashboard harness)	GR-R	

33/304 (Dashboard harness)

	On/Off	Color	Note
33/227	Branch point (In-car harness) (via multi-connector A1/F:1 at left A-post)	SB	
3/25:5	Switch, power sunroof	SB	
9/1:1	Cigar lighter	SB	Only sun roof

33/305 (Dashboard harness)

	On/Off	Color	Note
2/1E:7	Main headlight relay with bulb failure warning sensor (via connector A9:1 Engine compartment harness - dashboard harness)	P-SB	
7/1:11	Bulb failure warning sensor, rear (via multi-connector A1/E:10 at left A-post and connector A16:14 In-car harness - rear harness)	P-SB	
5/1C:2	Combined instrument panel	P-SB	

33/306 (Dashboard harness)

	On/Off	Color	Note
11C/18:2	Fuse, in-car (via multi-connector A1/F:2 at left A-post)	GN-GR	
16/1A:4,12	Radio	GN-GR	
16/15:30	Compact Disc changer (via connector A43:1 Dashboard harness - CD changer harness)	GN-GR	

33/307 (Dashboard harness)

	On/Off	Color	Note
31/18	Ground terminal at tunnel (Radio) (via connector A17:1 In-car harness - dashboard harness)	SB	
16/1A:6,14	Radio	SB	
16/15:31	Compact Disc changer (via connector A43:2 Dashboard harness - CD changer harness)	SB	

33/309 (Dashboard harness)

	On/Off	Color	Note
3/36:1	Glove compartment lighting switch, late version	GN-R	
7/101:2	Glass breakage sensor (Guard Alarm II)	GN-R	

33/401 (Driver door harness)

	On/Off	Color	Note
33/227	Branch point (In-car harness) (via connector A32:21 In-car harness - driver door harness)	SB	
2/20:5	Autodown relay	SB	
3/15:5	Power window switch, driver door for driver door	SB	
3/16:5	Power window switch, driver door for driver side rear	SB	
3/17:5	Power window switch driver door for front passenger side	SB	
3/18:5	Power window switch, driver door for passenger side rear	SB	
3/23:4	Switch power door mirror driver side	SB	
3/24:4	Switch power door mirror passenger side	SB	
6/13:3	Power door mirror driver side	SB	

Branching points

33/402 (Driver door harness)

On/Off		Color	Note
33/216	Branch point (In-car harness) (via connector A32:20 In-car harness - driver door harness)	Y-R	
2/20:3	Autodown relay	Y-R	
3/15:4	Power window switch, driver door for driver door	Y-R	
3/16:4	Power window switch, driver door for driver side rear	Y-R	
3/17:4	Power window switch driver door for front passenger side	Y-R	
3/18:4	Power window switch, driver door for passenger side rear	Y-R	
3/22:1	Rear power windows switch	Y-R	

33/500 (ECC harness)

On/Off		Color	Note
33/232	Branch point (In-car harness) (via connector A11:2 In-car harness - ECC harness)	SB	
4/6A:3	Control module, ECC	SB	
4/31A:2	Blower fan control module	SB	
4/40A:3	MCC control module	SB	
6/28:2	Blower fan	SB	Not ECC
10/113:1	Alarm diode	SB	

33/501 (ECC harness)

On/Off		Color	Note
11C/7:2	Fuse, in-car (via connector A11:1 In-car harness - ECC harness)	OR	
4/6:2, 21	Control module, ECC	OR	
4/40A:1	MCC control module	OR	
4/40C:1			
6/28:2	Blower fan	OR	Only ECC
8/2:1	ECC/MCC solenoid valve	OR	

33/601 (Rear harness, only 4-door models)

On/Off		Color	Note
31/13	Ground point in cargo area	SB	
10/3:2	License plate light	SB	
10/17:5B	Right tail light	SB	
10/18:5B	Left tail light	SB	
3/78:8	Lock module, trunk (boot)	SB	

33/602 (Rear harness)

	On/Off	Color	Note
31/13	Ground point in cargo area	SB	
2/16:31	Tailgate wiper intermittent relay	SB	
7/1:9	Bulb failure warning sensor, rear	SB	
6/32:3	Tailgate wiper motor	SB	
9/2:2	Heated rear window	SB	Only 5-door
10/3:2	License plate light	SB	Only 5-door
10/19:2	High-level brake light (via connector A27:6 Rear harness - tailgate harness and connector A26:2 High-level brake light harness - tailgate harness)	SB	Only 5-door
10/17:5K	Right tail light	SB	Only 4-door
10/18:5K	Left tail light	SB	Only 4-door
10/19:2	High-level brake light (via connector A16:16 In-car harness - rear harness and connector A15:3 In-car harness - parcel shelf harness)	SB	Only 4-door
10/25:2	Cargo area dome light	SB	

33/605 (Harness rear, only 5-door)

	On/Off	Color	Note
31/13	Ground terminal in cargo compartment	SB	
10/18:6	Left rear light	SB	
10/17:6	Right rear light	SB	

33/700 (Anti-lock Braking ABS harness)

	On/Off	Color	Note
11A/5	Fuse (via connector A39:1 Anti-lock braking ABS harness - engine compartment harness)	R	
8/15:6	ABS hydraulic modulator	R	
8/15:10	ABS hydraulic modulator	R	

33/701 (Anti-lock Braking ABS harness)

	On/Off	Color	Note
31/67	Ground point right seat lifter	SB	
4/16:20, 34	ABS control module	SB	
10/16:2	Right side flasher light	SB	
16/19:2	Car alarm horn	SB	
16/35:4	Siren anti-theft alarm (Guard Alarm II)	SB	

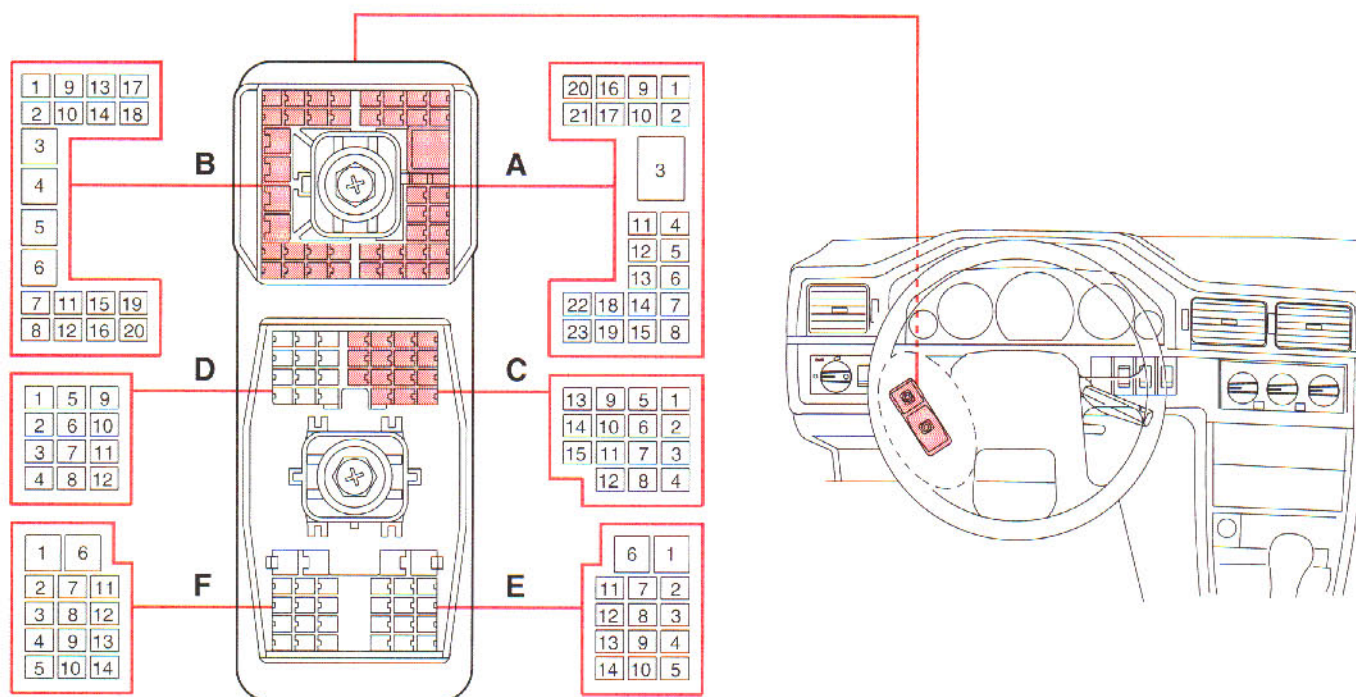
33/704 (Anti-lock Braking ABS harness)

	On/Off	Color	Note
4/16:29	ABS control module	GN	
8/15:11	ABS hydraulic modulator	GN	
5/1C:8	Combined instrument panel (via connector A14:3 Anti-lock braking system ABS harness - in-car harness and multi-connector A1/C:1 at left A-post)	GN	

33/705 (Harness ABS)

	On/Off	Color	Note
16/19:1	Horn anti-theft alarm, late version	BN-OR	
16/34:3	Siren anti-theft alarm (Guard Alarm II)	BN-OR	

Multi-connector A1 under dashboard, left A-post



A Cable harness in-car - cable harness engine compartment

Pos.	On/Off	Color
1	Ignition switch 30+supply, connection 30I via fuse 11B/1	Y-R
2	Horn switch on horn contact +	BN-SB
3	30+ supply to overload relay 2/6, connection. 1	VO
4	Door switch, driver door - Interior lighting w/delay - Anti-theft car alarm relay - Courtesy lighting	W-SB
5	Door switch, driver door	BL-SB
6	-	
7	Immobilizer control module connection 8	BN
8	Windshield wipe/wash switch	BL-R
9	Anti-theft alarm. connection A:4	BN-W
10	Ignition coil relay, connection 2	GN
11	Transmission control module, connection 40	BN-OR
12	-	
13	Transmission control module, connection 33	GR-R
14	Transmission control module, connection 6	GR
15	Transmission control module, connection 5	Y-BN
16	Fuel pump relay, connection 4	BN-P
17	Fuel pump relay, connection 1	Y-GR
18	OBDII (Diagnostic) socket B connection 6	BN
19	AW30-40/43 transmission control module (TCM) connection 21	Y
20	15+ supply from ignition lock via fuel pump relay	BL
21	A/C low-pressure switch connection 1	BN-GR
22	Motronic engine control module (ECM) connection B:36	Y-SB
23	X+ supply to terminal block, 34/42, in relay/fuse box in engine compartment	Y

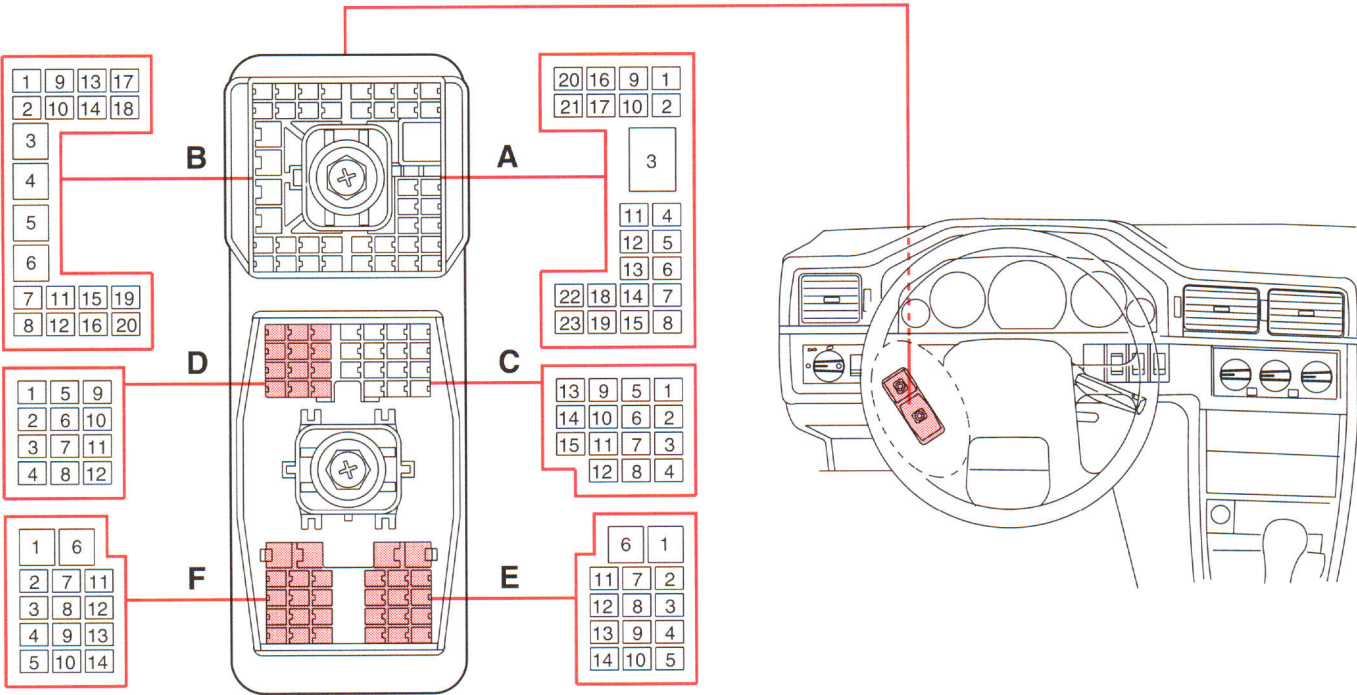
B Cable harness in-car - cable harness engine compartment

Pos.	On/Off	Color
1	Starter motor relay, connection 2	P
2	Connector A3/D:2	R
3	Ground connection	SB
4	Signal to high beam indicator light via connector A8	BL-GR
5	Tailgate washer motor (5-door)	BL-OR
6	High/lo beam switch, connection 8	BL-W
7	Switch, high/low beam, connection 1	GN-GR
8	Left side indicator light (not USA/CDN)	GN
9	15I+ supply to backup (reversing) lights	BL-Y
10	Backup (reversing) lights	BN-P
11	-	
12	Control module, cruise control, connection E:3	P-SB
13	Parking lights and registration plate lights	W
14	Parking lights	GR
15	Cruise control vacuum pump, connection 3	Y-W
16	Cruise control vacuum pump, connection 1	OR
17	Turn signal, left front	GN
18	Turn signal, right front	BL-GN
19	Cruise control vacuum pump, connection 2	GN-BN
20	-	

C Cable harness in-car - dashboard cable harness

Pos.	On/Off	Color
1	Combined instrument panel connection C:8, ABS indicator lamp	GN
2	Combined instrument panel connection A:5, speedometer signal	GN-W
3	Combined instrument panel connection C:3	R
4	Combined instrument panel connection A:11	OR-SB
5	Combined instrument panel connection A:2, 15A+ supply	R-SB
6	-	
7	Combined instrument panel, connection C:7	GR-W
8	Combined instrument panel, connection C:9	GR-OR
9	Relay, exhaust temperature sensor	W
10	Combined instrument panel connection B:2, fuel gauge +	OR-W
11	Combined instrument panel connection B:3, fuel gauge -	BN
12	Combined instrument panel connection B:5, ground	SB
13	Power sunroof switch, connection 4	Y-R
14	Power sunroof switch, connection 3	BL
15	Power sunroof switch, connection 1	R

Multi-connector A1 under dashboard, left A-post



D Cable harness in-car - dashboard cable harness

Pos.	On/Off	Color
1	Light switch, connection 6	GN-Y
2	-	
3	Rear fog lights	VO-W
4	Combined instrument panel connection A:4, ground	SB
5	-	
6	30+ supply for hazard light switch	R-W
7	Turn signal switch connection 5, from flasher relay	BL-OR
8	Left, flasher light	GN
9	Right, flasher light	BL-GN
10	Flasher relay, connection 9	BL-Y
11	Light switch, connection 9	BL-BN
12	Fog light switch, connection 3	BL-GR

E Cable harness in-car - dashboard cable harness

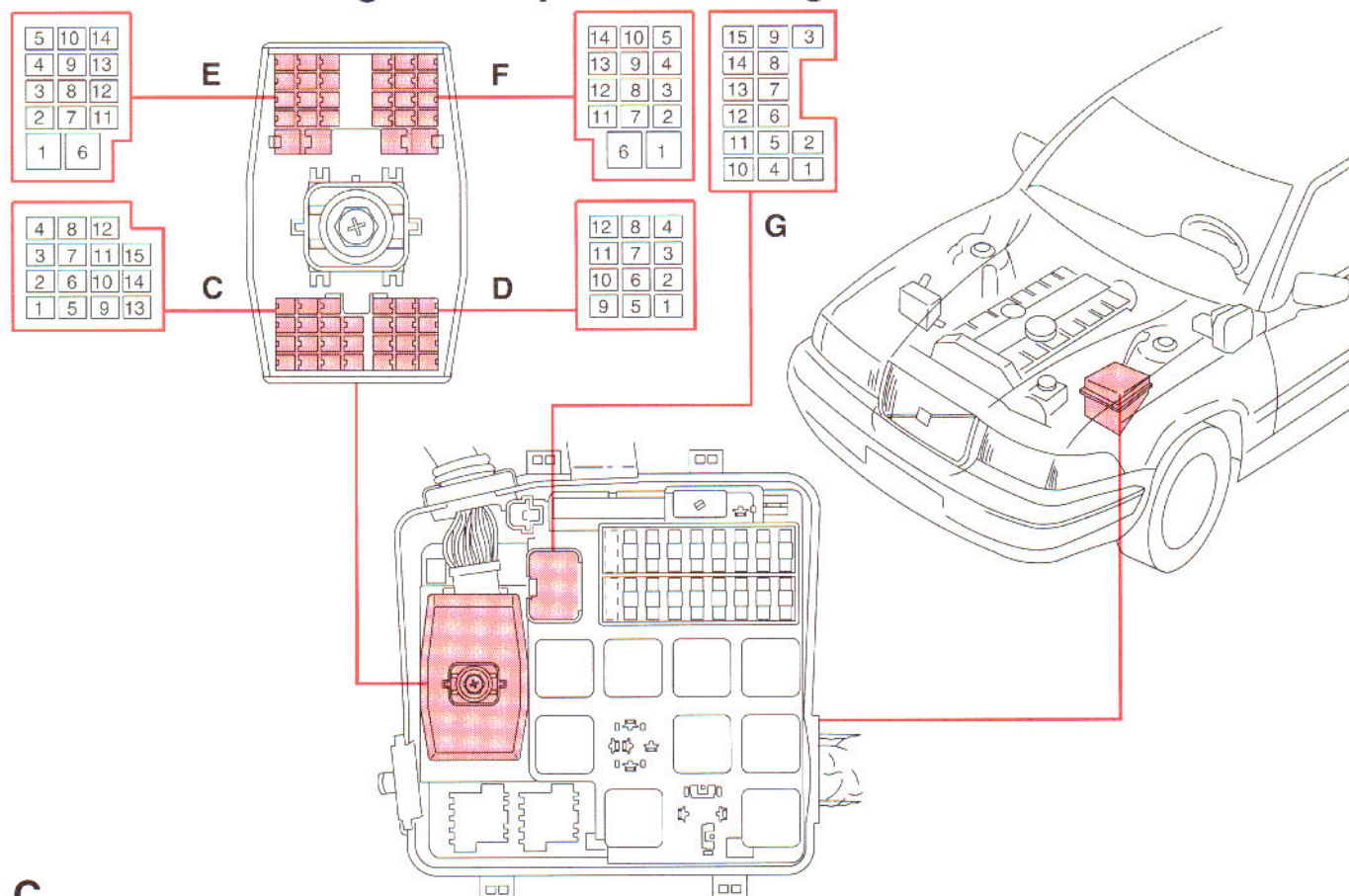
Pos.	On/Off	Color
1	Ground connection	SB
2	Terminal block in passenger compartment central relay module, 34/18:16	BN-SB
3	-	
4	Combined instrument panel, connection A:7	Y-GR
5	Combined instrument panel, connection A:8	GN-BN
6	Combined instrument panel, connection B:1	OR
	Ambient temperature sensor, connection 3	OR
7	X+ supply from fuse 11C/10	GR-R
8	30+ supply for glove compartment and clock	GN-R
9	Combined instrument panel connection A:6, indicator lamp change indicator	BN-OR
10	Combined instrument panel connection C:2, indicator lamp bulb malfunction indicator	P-SB
11	-	
12	-	
13	Cruise control control module connection B:8, via terminal block 34/19, vehicle speed signal (VSS)	GN-OR
14	Heated rear window switch, connection 6	Y

F Cable harness in-car - dashboard cable harness

Pos.	On/Off	Color
1	Ground connection	SB
2	30+ supply to: Radio connection A:4 and A:12 (Compact Disc player)	GN-GR
3	Radio connection B:4, left front loudspeaker (+)	W
4	Radio connection B:10, right front loudspeaker (+)	Y-W
5	Radio connection B:2, left rear loudspeaker (+)	GN-W
6	Light switch connection 7	Y-R
7	-	
8	Radio connection B:6, right rear loudspeaker (+)	BN-W
9	Power antenna connection 3 +signal	R
10	Radio connection B:5, right rear loudspeaker (-)	BN-SB
11	Radio connection A:13, X+ supply	Y-BN
12	Radio connection B:3, left front loudspeaker (-)	W-SB
13	Radio connection B:9, right front loudspeaker (-)	Y-SB
14	Radio connection B:1, left rear loudspeaker (-)	GN-SB

Connector A3 in engine compartment relay/fuse box

Cable harness engine compartment - engine cable harness



C

Pos.	On/Off	Color
1	Control signal to injector cyl. 1	BN-P
2	Control signal to injector cyl. 2	GN-Y
3	Control signal to injector cyl. 3	Y
4	Control signal to injector cyl. 4	P-W
5	Control signal to injector cyl. 5	BL-GR
6	Control signal to injector cyl. 6	BL-OR
7	Front heated oxygen sensor (HO2S) connection 2	Y-SB
8	Front heated oxygen sensor (HO2S) connection 3	GR-OR
9	Front heated oxygen sensor (HO2S) connection 4	OR
10	Rear heated oxygen sensor (HO2S) connection 2	P-SB
11	Rear heated oxygen sensor (HO2S) connection 3	Y-VO
12	Rear heated oxygen sensor (HO2S) connection 4	Y-GR
13	-	
14	Backup (reversing) light contact 1 or Transmission range selector indicator connection 1	BL-Y
15	Backup (reversing) light	BN-P

D

Pos.	On/Off	Color
1	50+ supply for Starter motor solenoid Manual transmission AW30-40/43 via Park/Neutral Position Switch PNP, 3/40	BL (BL-P) BL BL-P
2	Generator D+	R
3	Knock sensor (KS), rear	BN-OR
4	Knock sensor (KS), rear	BL-R
5	Solenoid coupling A/C	GN-W
6	-	
7	-	
8	-	
9	-	
10	-	
11	Oil pressure sensor (+)	SB
12	-	

E

Pos.	On/Off	Color
1	+ supply for ignition coil	GN-R
2	Power stage Motronic 4.3 MFI 1 connection 2	R-SB
3	Power stage Motronic 4.3 MFI 1 connection 5	BL-GN
4	Power stage Motronic 4.3 MFI 1 connection 7	BL-R
5	Engine temperature sensor, connection 1	GR-W
6	-	
7	Power stage Motronic 4.3 MFI 2 connection 2	BL-W
8	Power stage Motronic 4.3 MFI 2 connection 5	BL-BN
9	Power stage Motronic 4.3 MFI 2 connection 7	W
10	Engine temperature sensor, connection 2	GN-GR
11	IAC idling valve connection 3	GR-R
12	IAC idling valve connection 1	OR-SB
13	-	
14	15+ supply for injection valves and IAC idling valve	GN

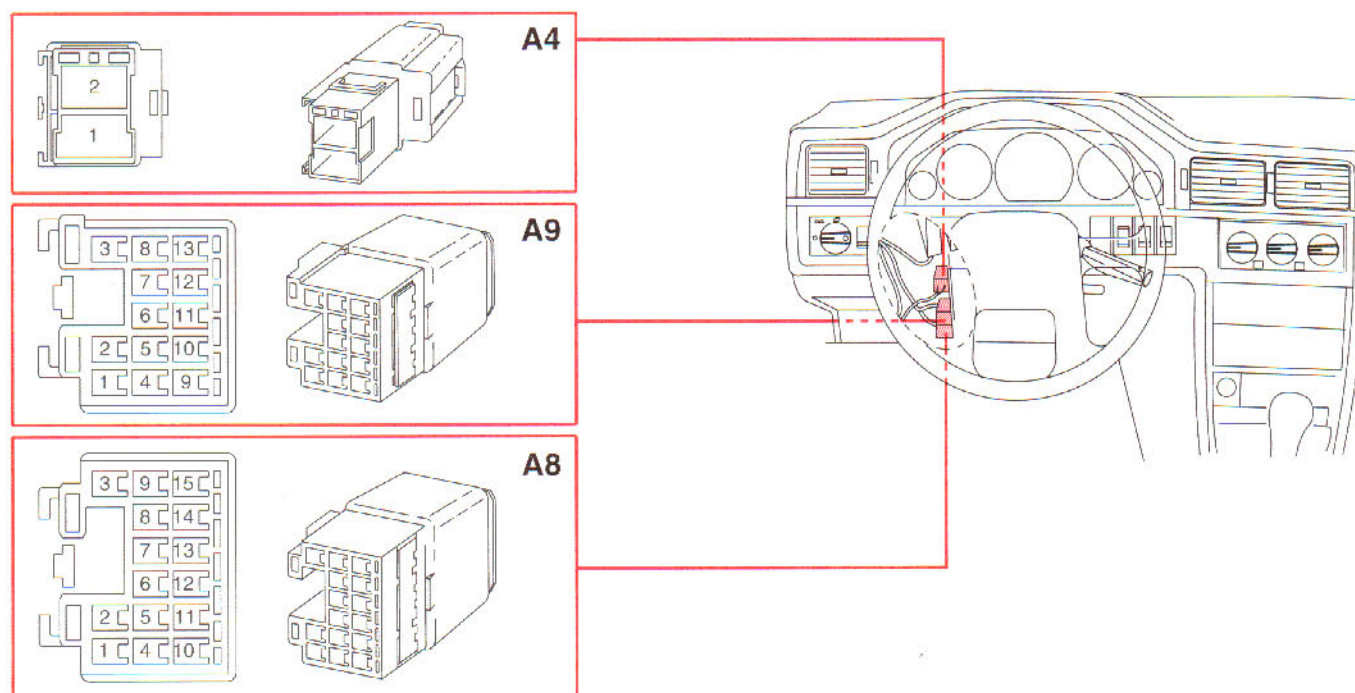
F

Pos.	On/Off	Color
1	-	
2	-	
3	Knock sensor (KS), front	GR
4	Knock sensor (KS), front	BL-R
5	-	
6	-	
7	-	
8	Throttle position (TP) sensor connection 1	GN-GR
9	-	
10	-	
11	Throttle position (TP) sensor connection 3	BL-SB
12	Throttle position (TP) sensor connection 2	Y-SB
13	-	
14	+ supply to heated oxygen sensor (HO2S) (via branching point 33/7)	BL

G

Pos.	On/Off	Color
1	-	
2	-	
3	Engine speed (RPM) sensor	W-SB
4	Engine speed (RPM) sensor	GN-SB
5	Oil temperature sensor AW30-40/43	R-W
6	Oil temperature sensor AW30-40/43	OR-W
7	Solenoids AW30-40/43 connection 1 (S1)	GN
8	Solenoids AW30-40/43 connection 2 (S2)	GR-OR
9	Solenoids AW30-40/43 connection 3 (SL)	Y-W
10	Solenoids AW30-40/43 connection 4 (STH)	P
11	Solenoids AW30-40/43 connection 5 (STHG)	BN-SB
12	Gear shift sensor connection 5 (A)	BL-GR
13	Gear shift sensor connection 6 (B)	BN-W
14	Gear shift sensor connection 7 (C)	GN-BN
15	Gear shift sensor connection 8 (PA)	GN-W

Connectors A4, A8 and A9



A4 2-pin connector, Engine compartment - in-car harness

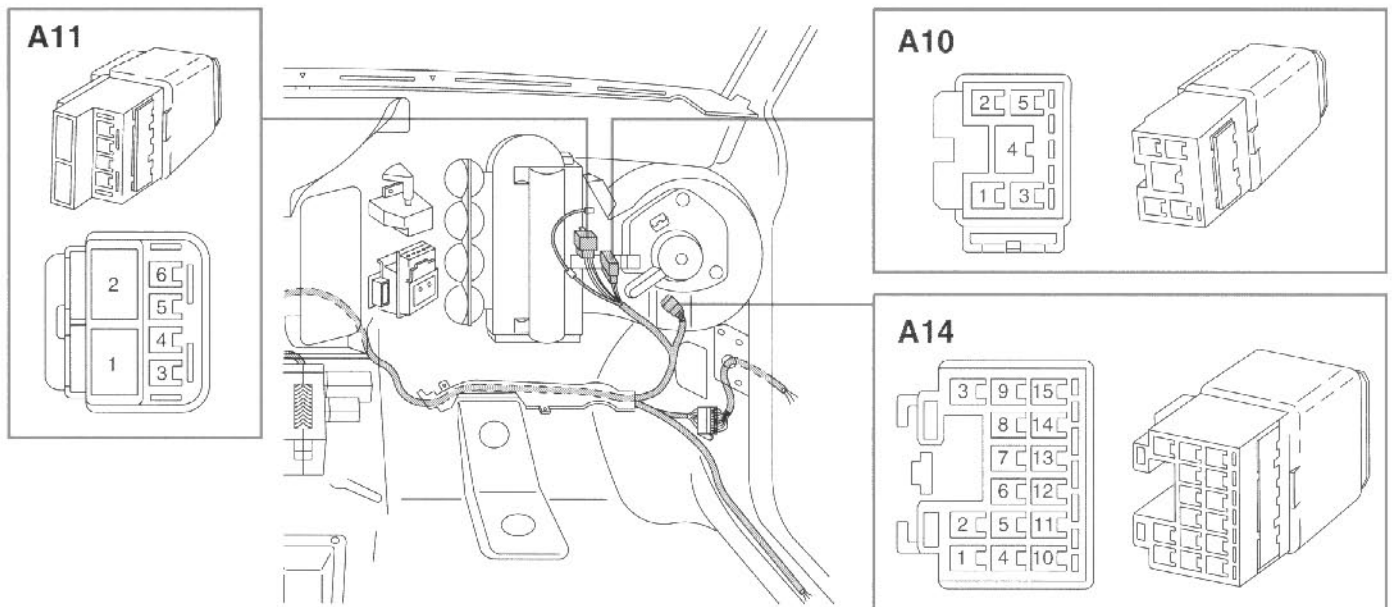
Pos.	On/Off	Color
1	30+ supply for fuses 11C/13 to 11C/18 and automatic fuse 11C/CB1	Y
2	30+ supply for fuses 11C1 to 11C4 and overload relay 2/30	R

A8 15 pin connector, Engine compartment - dashboard harness

Pos.	On/Off	Color
1	Light switch, connection 5	BL-R
2	Light switch, connection 9	BL-BN
3	Combined instrument panel connection C:5, high beam warning light	BL-GR
4	Light switch, connection 2	BL-W
5	Actuator, beam width control, connection B:1	GR-R
6	Actuator, beam width control, connection B:2	GR
7	Actuator, beam width control, connection A, ground point	SB
8	-	
9	Temperature gauge, connection A:14	Y-W
10	Brake fluid level sensor	Y-R
11	-	
12	-	
13	Fog light switch, connection 6	W-SB
14	-	
15	-	

A9 13-pin connector, Engine compartment - Dashboard harness

Pos.	On/Off	Color
1	Main light relay with bulb malfunction indicator, connection E:7	P-SB
2	Fog light switch, connection 1	Y-BN
3	Control module Motronic MFI, connection 7, warning lamp check engine	OR
4	Control module Motronic MFI, connection 21, RPM sensor	R-W
5	Control module Motronic MFI, connection 18, vehicle speed signal (VSS)	GN-OR
6	Combined instrument panel connection C:4	SB
7	Washer fluid level sensor	BL-Y
8	Ambient temperature sensor, connection 1	GN-Y
9	Ambient temperature sensor, connection 2	GN-BN
10	Control module, transmission AW 30-40/43, vehicle speed signal (VSS)	GN-GR
11	-	
12	-	
13	-	



A10 5-pin connector, in-car - climate unit harness

Pos.	On/Off	Color
1	Control module ECC, connection A:6 (speed sensor signal)	Y-GR
2	Control module ECC, connection B:4 (coolant temperature sensor)	GN-SB
3	Control module ECC, connection B:3 (coolant temperature sensor)	GN
4	-	
5	Control module ECC, connection A:20	R

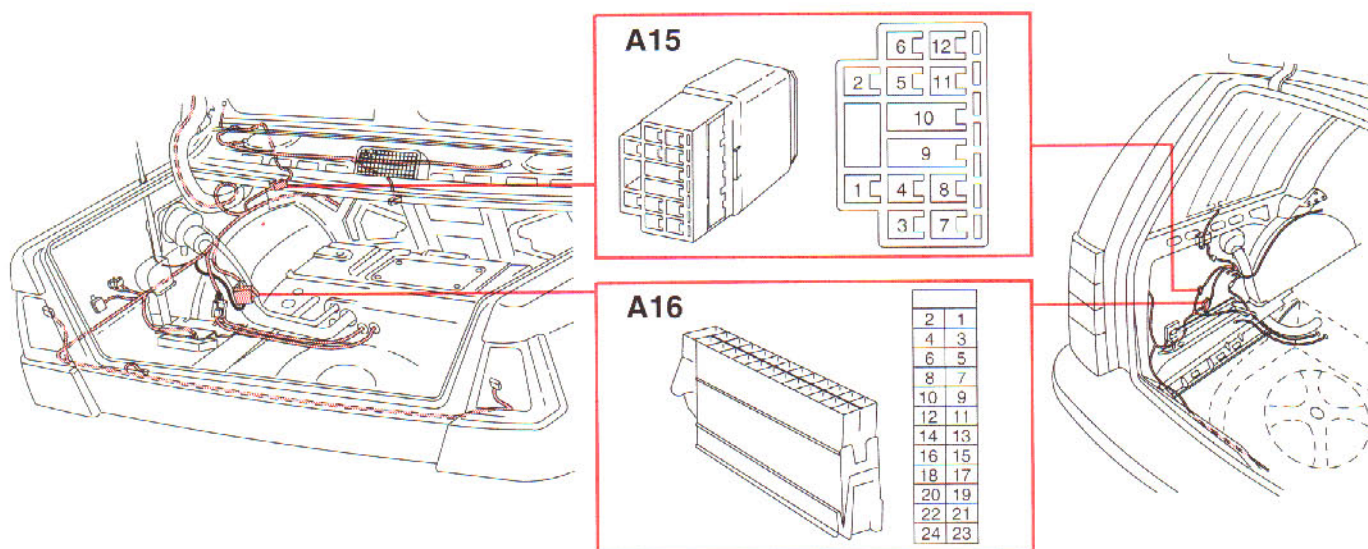
A11 6-pin connector, in-car - climate unit harness

Pos.	On/Off	Color
1	X+ supply for climate unit	OR
2	Ground connection blower and control module ECC climate unit	SB
3	Alarm diode, anti-theft alarm	Y-W
4	-	
5	Controls lighting, control module ECC climate unit	BN-SB
6	Climate control control module	BN

A14 15-pin connector, in-car - ABS harness

Pos.	On/Off	Color
1	ABS control module, connection 7	GN-W
2	+15 A supply for ABS control module, connection 1	BL-R
3	ABS indicator lamp in combined instrument panel via connector A1/C:1	GN
4	ABS control module, connection 9	BN-W
5	ABS control module, connection 25, Brake signal	Y-BN
6	ABS control module, connection 15	R
7	Engine coolant level sensor, connection 1	GR-OR
8	Right side indicator light (not USA/CDN)	BL-GN
9	Anti-theft alarm relay, connection A:8	BN-OR
10	Door switch, front passenger door	BL-SB
11	Door switch, front passenger door Courtesy lighting Interior lighting w/delay Car alarm relay	W-SB
12	-	
13	-	
14	-	
15	Data link connector (DLC) connection 12	Y

Connectors A15 and A16



A15 Cable harness in-car - harness parcel shelf (4-door)

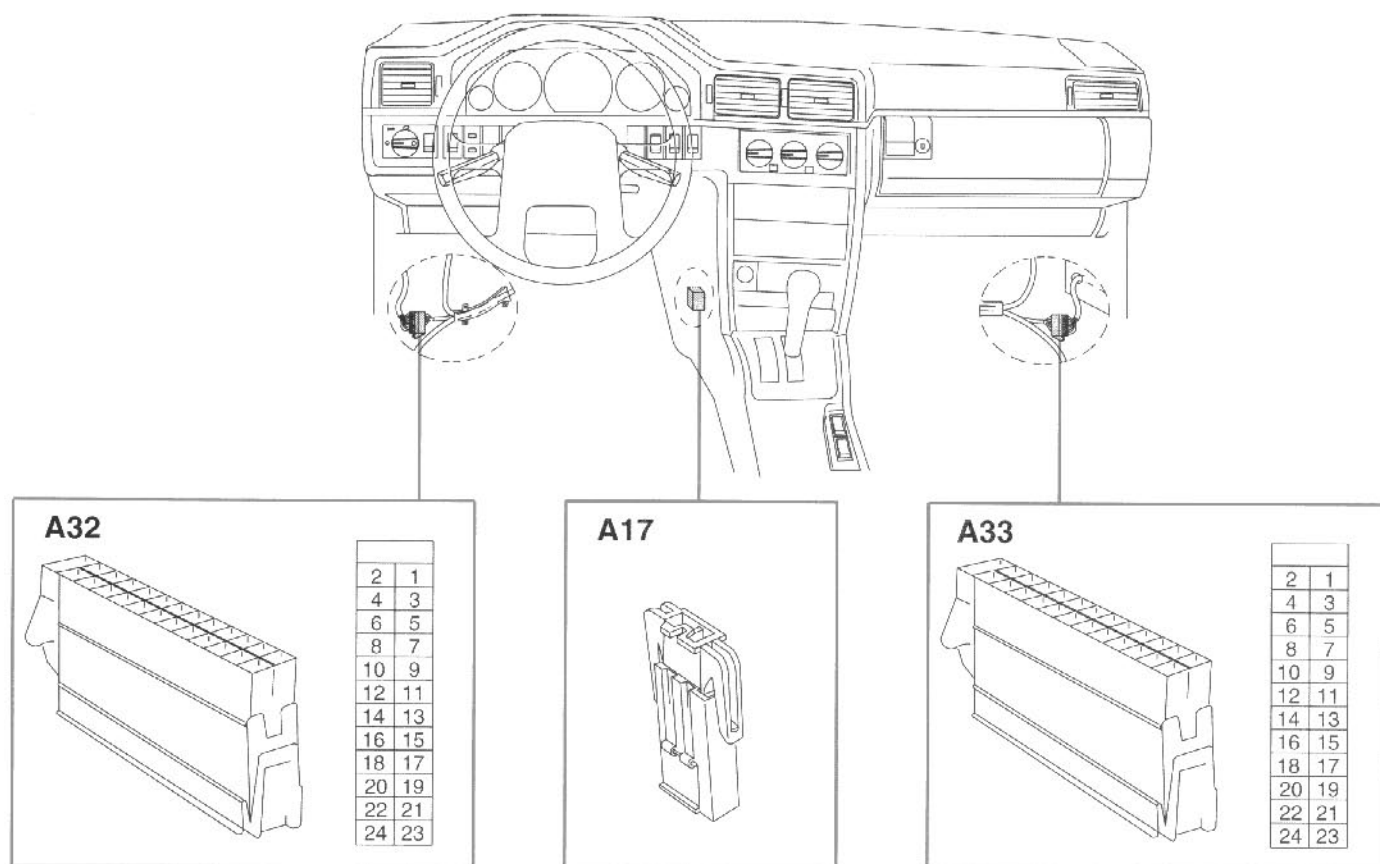
Cable harness in-car - rear cable harness (5-door)

Pos.	On/Off	Color
1	-	
2	Extra braking light (not 5-door)	Y-SB
3	Extra braking light ground (not 5-door)	SB
4	30+ supply to trunk lighting	GN-R
5	Connector A16 pos. 9	BL-SB
6	-	
7	Loudspeaker rear shelf left (+) not 5-door	GN-W
8	Loudspeaker rear shelf left (-) not 5-door	GN-SB
9	Heated rear window	Y
10	-	
11	Loudspeaker rear shelf right (+) not 5-door	BN-W
12	Loudspeaker rear shelf right (-) not 5-door	BN-SB

A16 Cable harness in-car - rear harness

Pos.	On/Off	Color
1	Rear window wiper, intermittent relay, connection 3	OR
2	Rear parking lights (via bulb failure warning sensor 7/1) License plate lighting	W
3	Rear bulb failure warning sensor connection 4	GR
4	Rear bulb malfunction indicator, connection 8, 15+ supply	Y-GR
5	Rear fog light	VO-W
6	Backup (reversing) light, right tail light, connection B:3	BN-P
7	Lamp, left turn indicator, rear	GN
8	Lamp, right turn indicator, rear	BL-GN
9	Locking unit tailgate connection 1 Car alarm relay connection B:9 Connector A15 pos. 5	BL-SB (BL-SB) BL-SB BL-SB
10	-	
11	Locking unit tailgate/central locking motor tailgate +	R-W
12	Locking unit tailgate/central locking motor tailgate -	BL-R
13	Rear bulb malfunction indicator, connection 12, brake light	Y-BN
14	Rear bulb malfunction indicator, connection 11, warning light	P-SB
15	Rear bulb malfunction indicator, connection 10, extra brake light	Y-SB
16	High level stop (brake) light, ground terminal (not 5-door)	SB
17	Rear window wiper, intermittent relay, connection 4	BL-OR
18	Rear window wiper, intermittent relay, connection 6	R
19	Rear window wiper, intermittent relay, connection 5	Y
20	-	
21	-	
22	-	
23	-	
24	-	

Connectors A17, A32 and A33



A17 Cable harness in-car - dashboard cable harness

Pos.	On/Off	Color
1	Radio connection A:6 and A:14, ground Compact Disc changer, ground terminal	SB
2	Switch, power rear window, connection 1	Y-SB

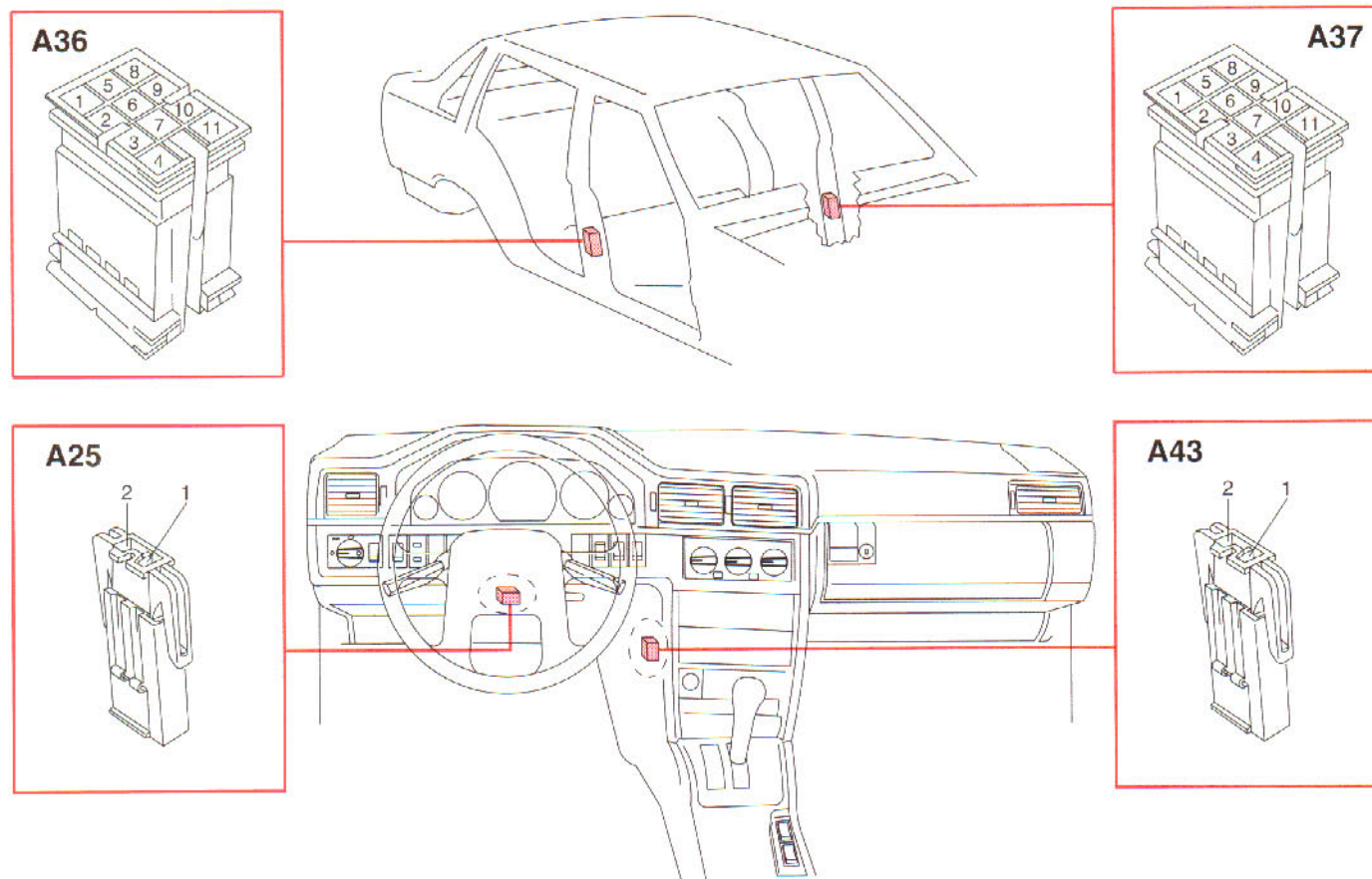
A32 Cable harness in-car - driver door harness

Pos.	On/Off	Color
1	Open door warning light 30+ supply	GN-R
2	Open door warning light -	BL-SB
3	Loudspeaker +	W
4	Loudspeaker -	W-SB
5	Switch, central locking +	R-W
6	Switch, central locking -	BL-R
7	Heated door mirrors	BL-GN
8	Switch, heated door mirrors	BL-W
9	Switch, heated door mirrors	BN-W
10	+ supply, heated door mirrors	OR
11	Switch, power mirror	GN-W
12	Power mirror switch, ground terminal	SB
13	Switch, central lock, unlocking	GN-SB
14	Switch, central lock, locking	BN-SB
15	Switch, power window, right rear	GN-BN
16	Switch, power window, right rear	Y-GR
17	Switch, power window, left rear	GN
18	Switch, power window, left rear	GR
19	ON/OFF switch, power window, rear	P
20	+ supply for switch, power windows	Y-R
21	Ground, power mirror	SB
	Ground, power window	SB
22	Switch, power window passenger door	BL
23	Switch, power window passenger door	R
24	Switch, central lock	Y-SB

A33 Cable harness in-car - passenger door harness

Pos.	On/Off	Color
1	Open-door, warning light 30+ supply	GN-R
2	Open-door, warning light -	BL-SB
3	Loudspeaker +	Y-W
4	Loudspeaker -	Y-SB
5	Switch, central lock +	R-W
6	Switch, central lock -	BL-R
7	Heated door mirrors	BL-GN
8	Power door mirrors	BL-W
9	Power door mirrors	BN-W
10	-	
11	Power door mirrors	GN-W
12	-	
13	Central locking switch, unlocking	Y-SB
14	Central locking switch, locking	BN-SB
15	-	
16	-	
17	-	
18	-	
19	-	
20	-	
21	Ground, power door mirrors	SB
	Central locking switch	SB
22	Switch, power window	BL
23	Switch, power window	R
24	Switch, power window	Y-R

Connectors A25, A34, A36, A3 and A43



A25 Cable harness in-car - pedal mounting harness

Pos.	On/Off	Color
1	Cruise control controls connection 1	W-SB
2	Control module cruise control connection E:9	OR-SB

A34 Harness passenger compartment - solenoid Shift-lock

Pos.	On/Off	Color
1	Gear position light +	BN-SB
2	Solenoid Shift-lock +	W
3	Gear position light -	SB
4	Solenoid Shift-lock	SB

A36 Cable harness in car - left rear door harness

Pos.	On/Off	Color
1	Central locking +	R-W
2	Central locking -	BL-R
3	Open door, warning light 30+ supply	GN-R
4	Open door, warning light -	BL-SB
5	Power window	P
6	Power window	GN
7	Power window	GR
8	Loudspeaker -	GN-SB
9	Loudspeaker +	GN-W
10	-	
11	-	

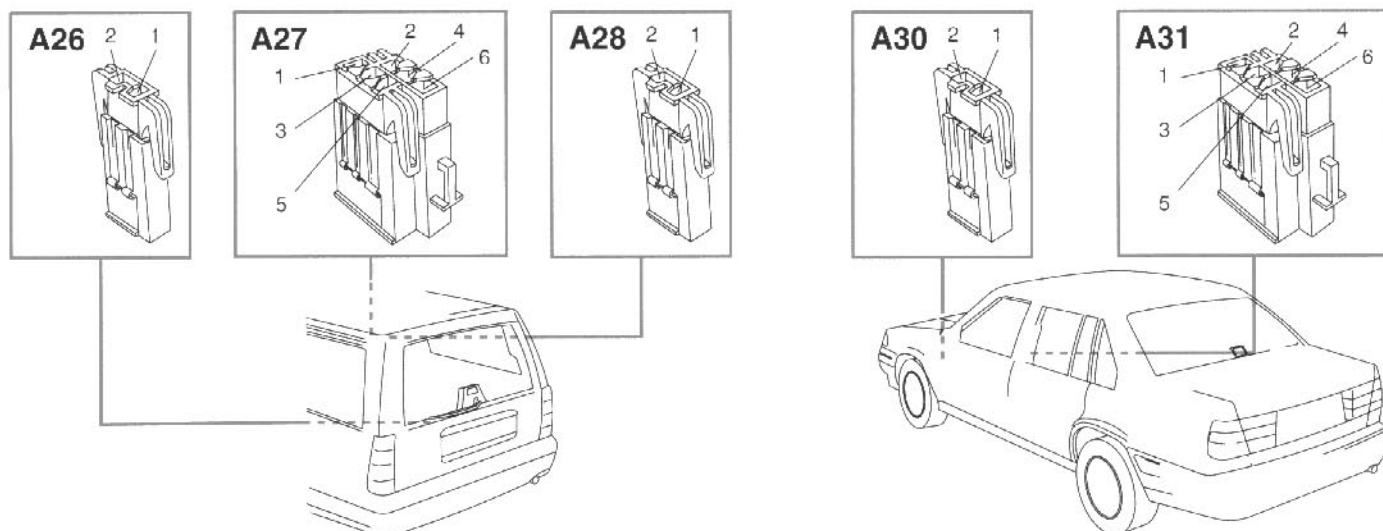
A37 Cable harness in car - right rear door harness

Pos.	On/Off	Color
1	Central locking +	R-W
2	Central locking -	BL-R
3	Open door, warning light 30+ supply	GN-R
4	Open door, warning light -	BL-SB
5	Power window	P
6	Power window	GN-BN
7	Power window	Y-GR
8	Loudspeaker -	GN-SB
9	Loudspeaker +	GN-W
10	-	
11	-	

A43 Cable harness dashboard - Compact Disc changer

Pos.	On/Off	Color
1	Compact Disc changer +	GN-GR
2	Compact Disc changer, ground terminal	SB

Connectors A26, A27, A28, A30 and A31



A26 High-level brake light harness - tailgate harness (5-door)

Pos.	On/Off	Color
1	High-level brake light pos. 1	Y-SB
2	Ground terminal for: High-level brake light Heated rear window Tailgate wiper motor number plate lighting	SB

A27 Rear harness - tailgate harness (5-door)

Pos.	On/Off	Color
1	+Supply heated rear window	Y
2	+Supply, license plate lighting	W
3	Intermittent wipe, tailgate wiper pos. 3	OR
4	Intermittent wipe, tailgate wiper pos. 1	Y-W
5	Rear bulb failure warning sensor pos. 10 (high-level brake light)	Y-SB
6	Ground terminal for: High-level brake light Heated rear window Tailgate wiper motor License plate lighting	SB

A28 Rear harness - tailgate harness (5-door)

Pos.	On/Off	Color
1	Connector A16 pos. 11	R-W
2	Connector A16 pos. 12	BL-R

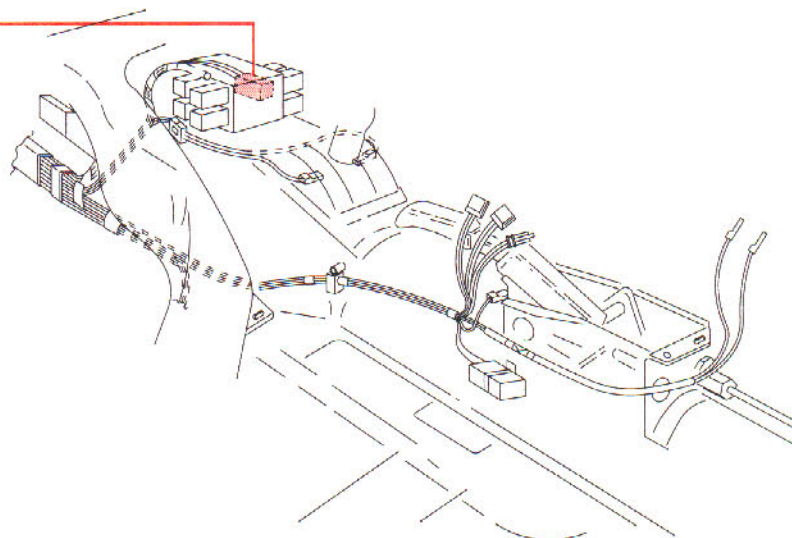
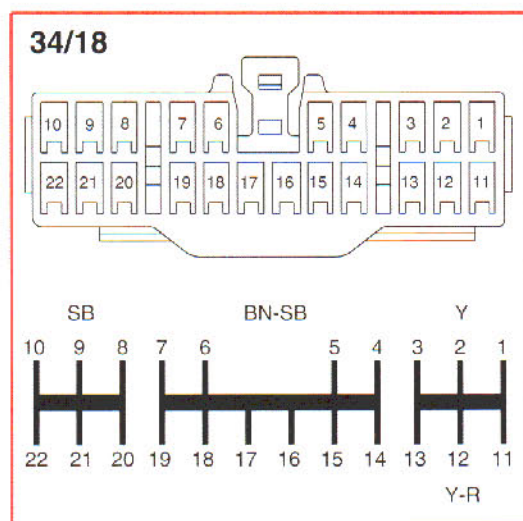
A30 In-car harness - power sunroof harness

Pos.	On/Off	Color
1	Connector A1/C pos. 14	BL
2	Connector A1/C pos. 15	R

A31 In-car harness - interior lighting harness)

Pos.	On/Off	Color
1	Dome light pos. 3	BL-SB
2	Ground terminal dome light and reading lights	SB
3	-	
4	30+ supply to: Dome light pos. 4 Rear reading lights pos. 1 Trunk (boot) lighting pos. 1 (via connector A15:4) Cargo area lighting pos. 1 (5-door) (via connector A15:4)	GN-R
5	In-car temperature sensor terminal 3	GN
6	In-car temperature sensor terminal 5	GN-SB

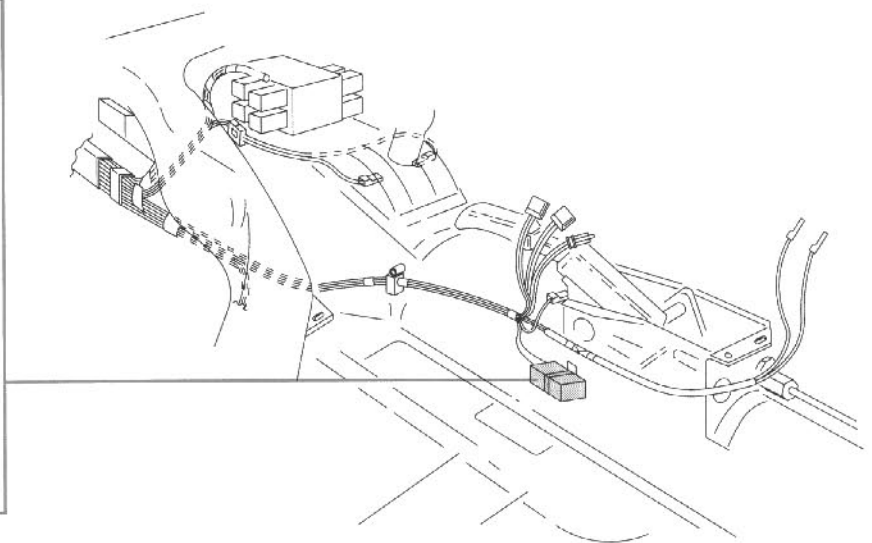
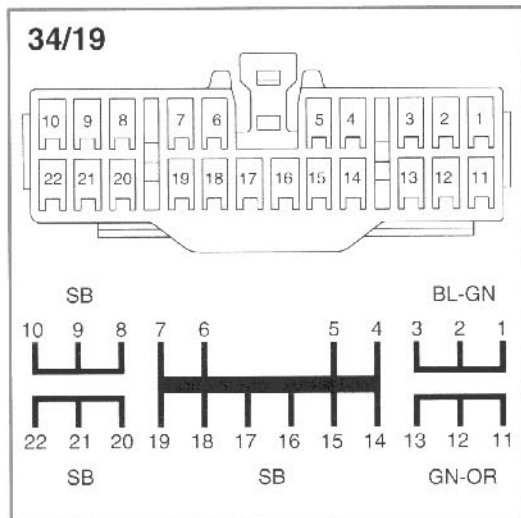
Terminal block in central relay module in-car



34/18 22-pin connector: terminal block in central relay module in-car

Pos.	On/Off	Color
1	4/52:4 Power seat control module with memory	Y
2	17/13:7 Data link connector (DLC)	Y
3	4/28:21 AW30-40/43 transmission control module (TCM) 4/46B:36 Motronic engine control module (ECM) (only USA/CDN) via multi-connector A1/A:19	Y
4	3/63:4 Program selector AW30-40/43 (via multi-connector A1/A:19)	BN-SB
5	10/40:1 Gear position light (via connector A34:1 harness passenger compartment)	BN-SB
6	-	
7	-	
8	2/15:4 Exhaust temperature sensor relay	SB
9	34/19:5 22-pin connector: terminal block by parking brake bracket	SB
10	2/44:6 Rear windshield/door mirror heating relay	SB
11	-	
12	4/9:9 SRS sensor module	Y-R
13	4/22:3 Immobilizer control module or 4/46B:36 Motronic engine control module (ECM) via multi-connector A1/A:22	Y-R
14	D10:4 Connector passenger compartment harness - accessories (parking heater)	BN-SB
15	10/39:1 Heated seat switch light	BN-SB
16	33/300 Junction point dashboard harness (via multi-connector A1/E:2)	BN-SB
17	10/38:1 Rear ashtray light	BN-SB
18	4/6A:7 ECC control module (via connector A11) 4/40A:5 MCC connector (via connector A11)	BN-SB BN-SB
19	-	
20	2/4:2 Intermittent windshield wiper relay	SB
21	2/5:2 Seat belt reminder/key reminder relay	SB
22	2/28A:2 Anti-theft alarm relay	SB

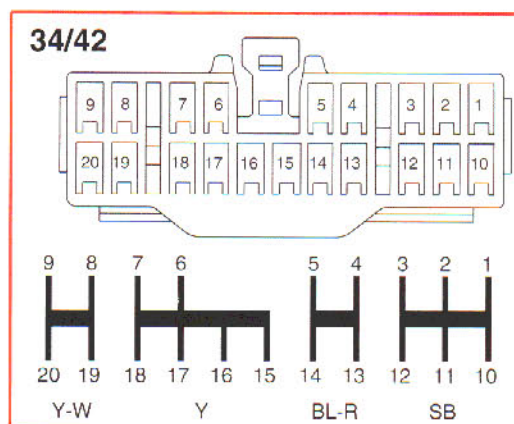
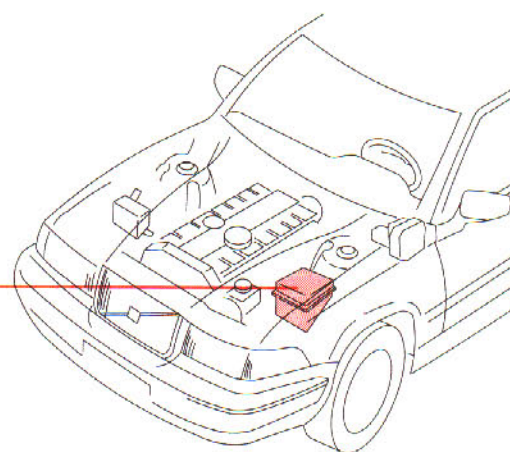
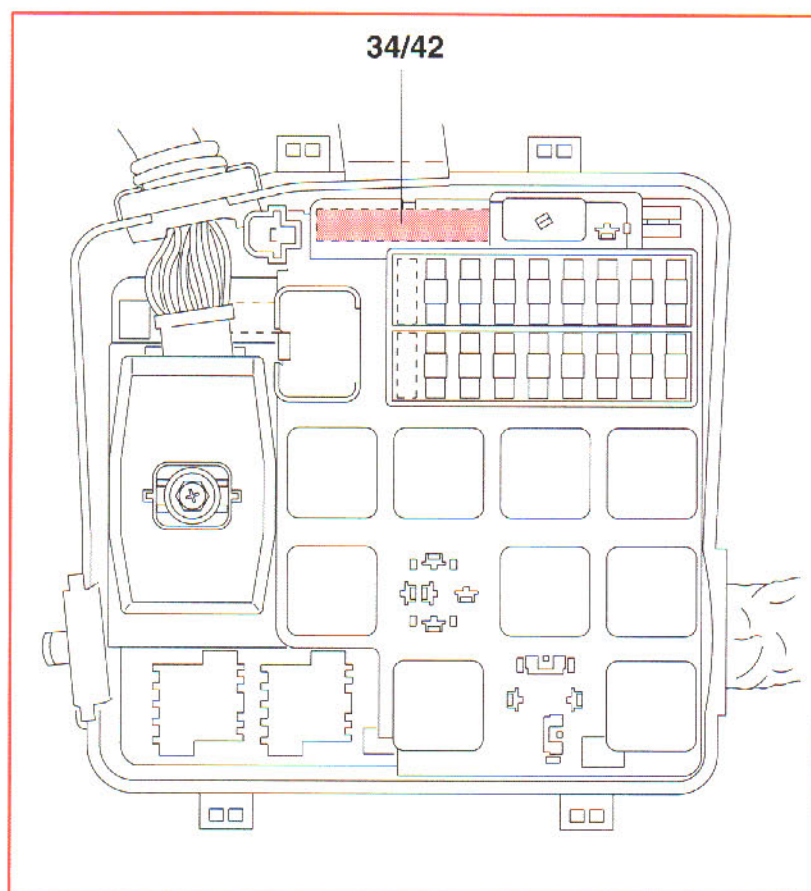
Terminal block at parking brake bracket



34/19 22-pin connector: terminal block at parking brake bracket

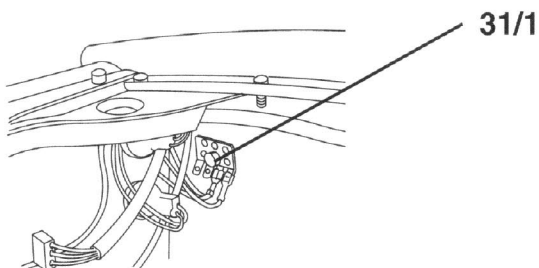
Pos.	On/Off	Color
1	3/63:7 Driving mode selector, automatic transmission	BL-GN
2	11C/11:2 Fuse, in-car	BL-GN
3	2/7B:4 Central locking/delayed courtesy lighting relay	BL-GN
4	3/63:3 Program selector automatic transmission	SB
5	34/18:9 22-pin connector: Terminal block in-car central relay module	SB
6	31/67 Ground point right seat lifter	SB
7	8/36:4 Solenoid Shift-lock (via connector A34:4 passenger compartment harness)	SB
8	33/201 Branch point (In-car harness)	SB
9	9/22B:4 Seat belt buckle, Driver	SB
10	3/63:5 Driving mode selector, automatic transmission	SB
11	4/6:6 Control module, ECC (via connector A10:1 In-car harness - ECC)	GN-OR
12	5/1D:1 Combined instrument panel (via multi-connector A1/E:13 at left A-post)	GN-OR
13	4/3B:8 Control module, Cruise control	GN-OR
14	10/39:2 Heated seat switch	SB
15	10/40:2 Gear position light (via connector A34:2 passenger compartment harness)	SB
16	10/38:2 Ashtray lighting, rear	SB
17	3/28:3 Heated driver seat switch	SB
18	3/29:3 Heated passenger seat switch	SB
19	33/201 Branch point (In-car harness)	SB
20	33/201 Branch point (In-car harness)	SB
21	-	
22	5/1A:4 Speedometer, ground terminal (via multi-connector A1/D:4 under dashboard by left A-pillar)	SB

Terminal blocks in integrated relay/fusebox engine compartment

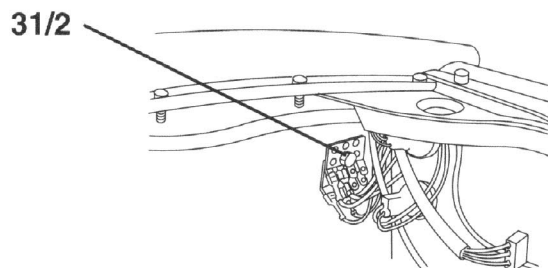


34/42 20-pin connector: terminal block in relay-/fusebox engine compartment

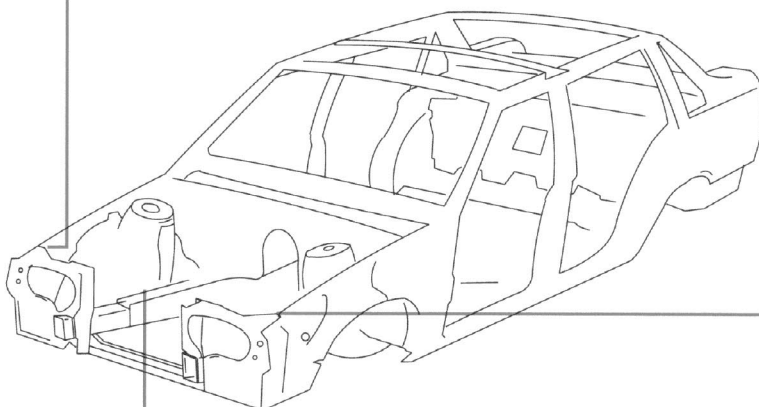
Pos.	On/Off	Color
1	31/2 Ground terminal left front fender	SB
2	2/35:4 Starter motor relay 50	SB
3	2/61:4 Relay side marker/parking lights	SB
4	3/12:8 Switch, windshield wipe/wash (via multi-connector A1/A:8 at left A-post)	BL-R
5	6/2:1 Washer motor front	BL-R
6	33/218 Branching point (via multi-connector A1/A:23 at left A-post)	Y
7	-	
8	16/11:1 Horn 2	Y-W
9	16/10:1 Horn 1	Y-W
10	2/46:4 Ignition coil relay	SB
11	Cable shield,	
12	-	
13	6/4:1 Left headlight wiper motor	BL-R
14	6/3:1 Right headlight wiper motor	BL-R
15	-	
16	6/4:2 Left headlight wiper motor	Y
17	6/3:2 Right headlight wiper motor	Y
18	2/17:2 Horn relay	Y
19	-	
20	2/17:3 Horn relay	Y-W



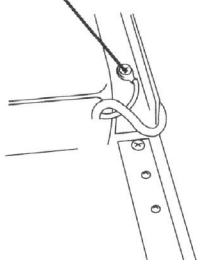
Right front light
Right flasher light
Right parking light
Right fog light
Right headlight wiper motor
Hydraulic modulator ABS
Air pump motor (Motronic 4.4 MFI)
Coolant level sensor



Horn
Left front light
Left flasher light
Left parking light
Left headlight wiper motor
Main headlight relay with bulb malfunction warning
Washer motors
Washer fluid level indicator
Left fog light
Terminal block, 34/42, in relay/fuse box in engine compartment
Brake fluid level sensor

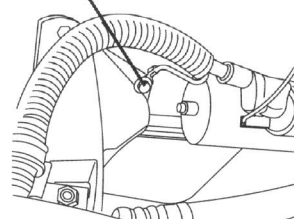


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Ground connection
battery - chassis

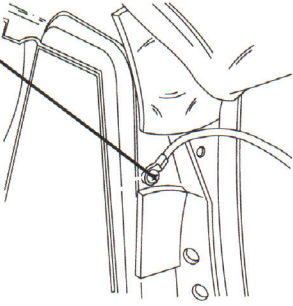
31/4



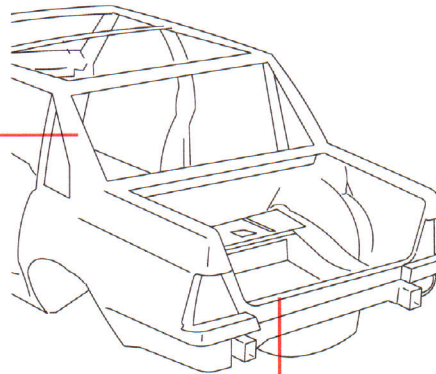
Ground connection
battery - engine

Ground connections

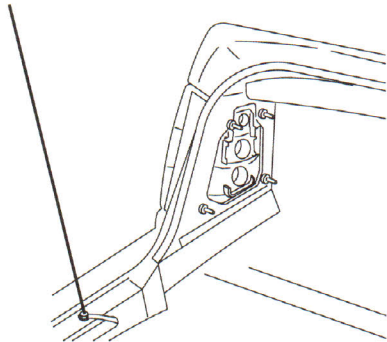
31/5



Heated rear window (4-door)

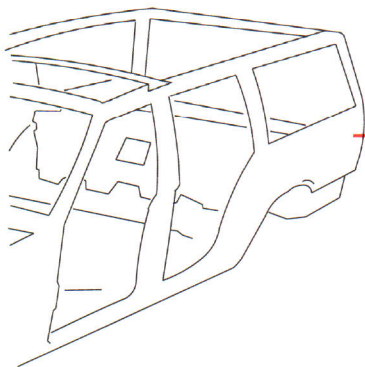


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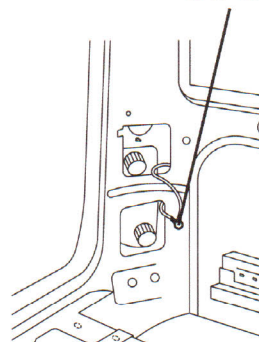


4-door:

Left tail light
Lock, boot
License plate light
Bulb malfunction indicator, rear
High-level brake light
Trunk lighting
Tail light, right side

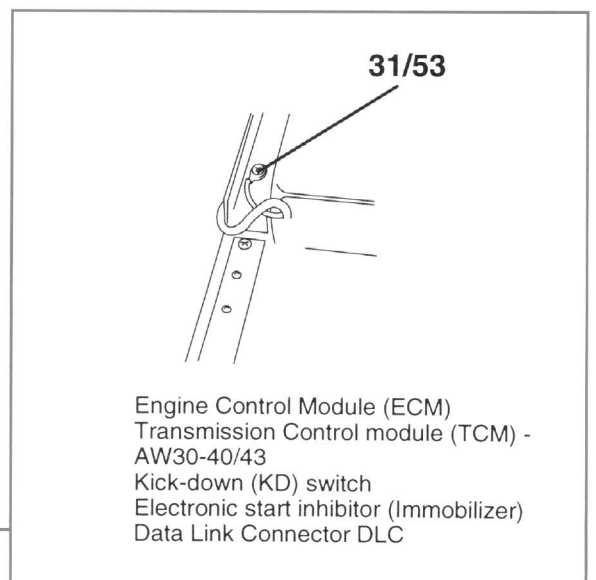
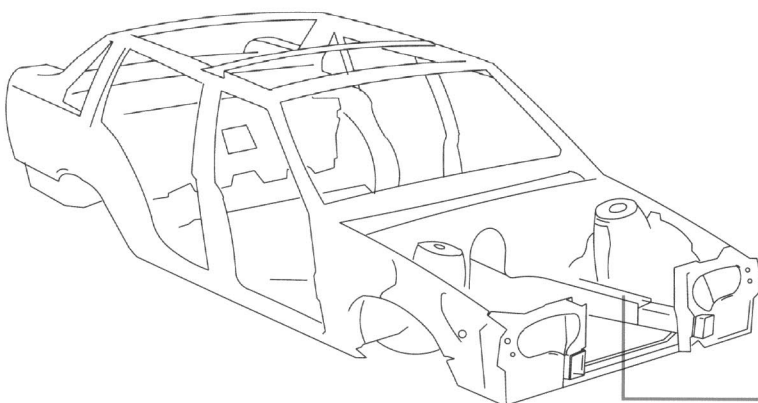
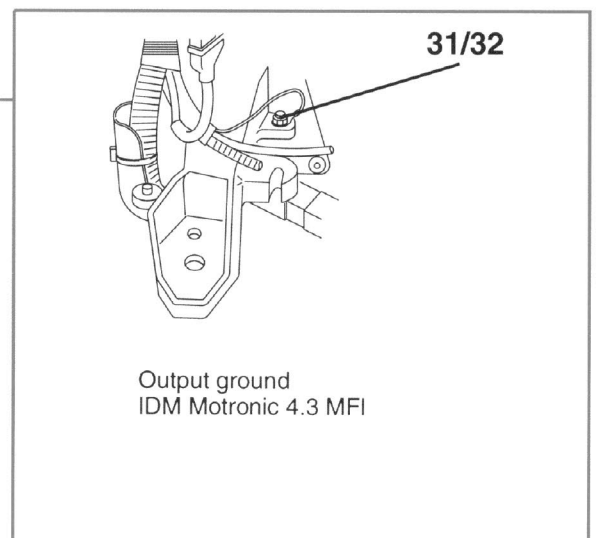
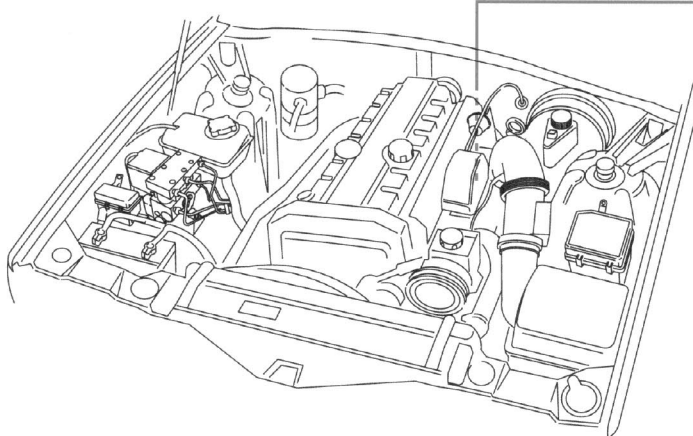
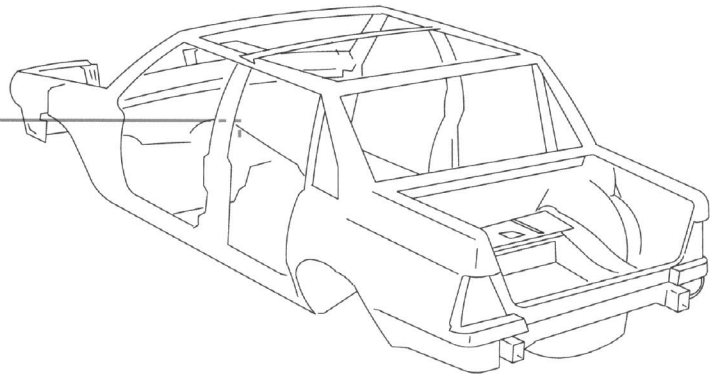
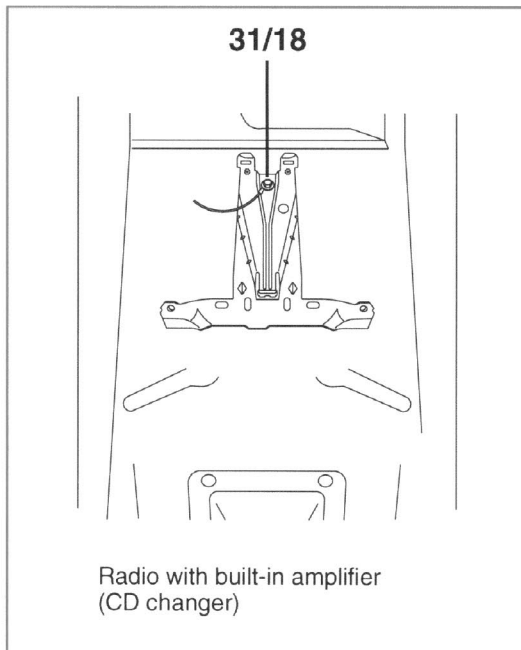


31/13

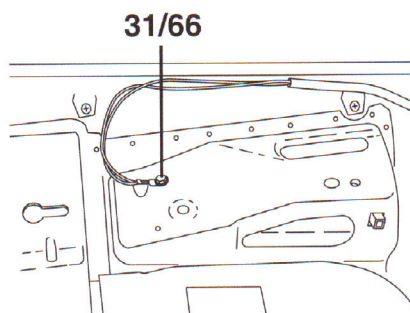
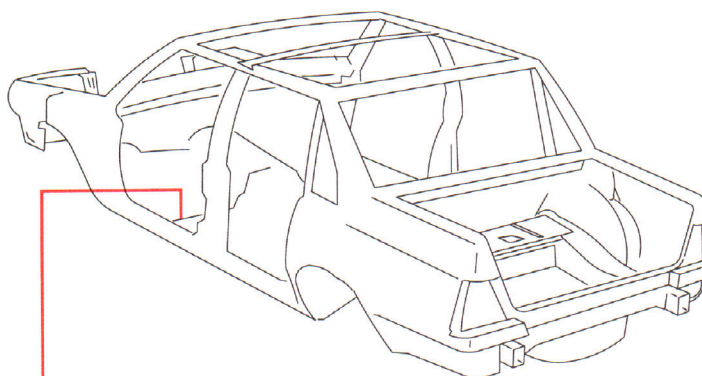


5-door:

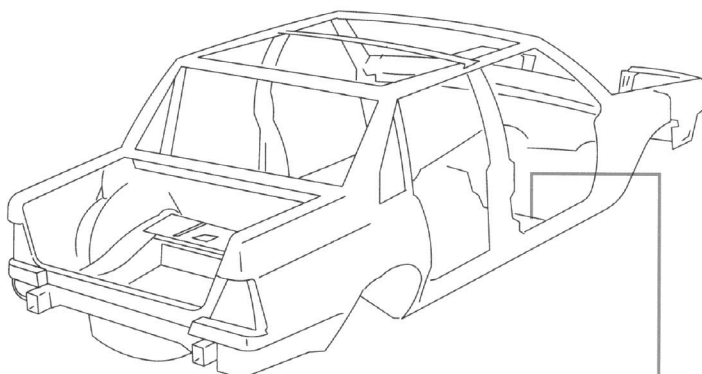
Tail light, left side
License plate lighting
Bulb malfunction indicator, rear
Tailgate wiper
Trunk lighting
Heated rear window
High-level brake light
Tail light, right side



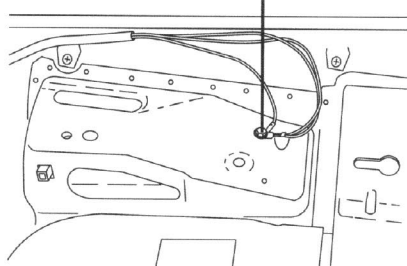
Ground connections



Fuel pump
Switch, hazard lights with flasher relay
Power seat, driver side
Anti-theft alarm switch, engine hood
Reading lamp
Inside light, ceiling
Glove box lighting
Controls lighting
Control module, remote control central locking
Switch, tailgate wiper (5-door)
Indicator light, left side (not USA/Canada)
Power windows
Switch, power sunroof
Power door mirrors
Combined instrument panel
Switch, heated rear window/door mirrors
Heated door mirror, left side
Control module, transmission (AW30-40/43)
Power antenna/signal amplifier
Vanity mirror lighting, left side
Cruise control
Cigar lighter
Ashtray lighting, front
Radio lighting
Switch lighting, central locking USA/Canada
Power seat control module with memory
Overload relay, 2/6 and 2/30
Light switch
Fog light switch
Beam width control
Ambient temperature sensor
Trailer (not USA/Canada)

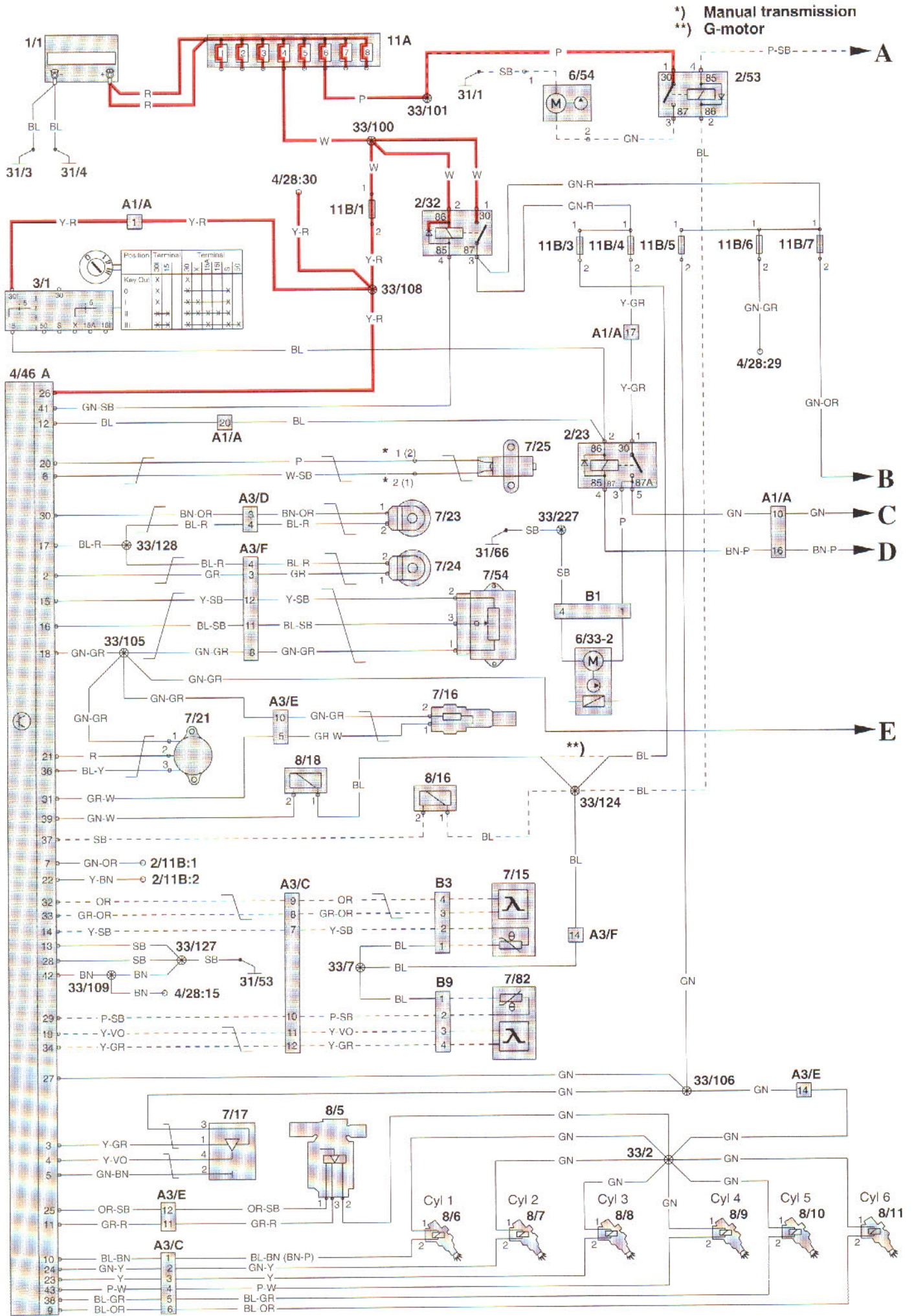


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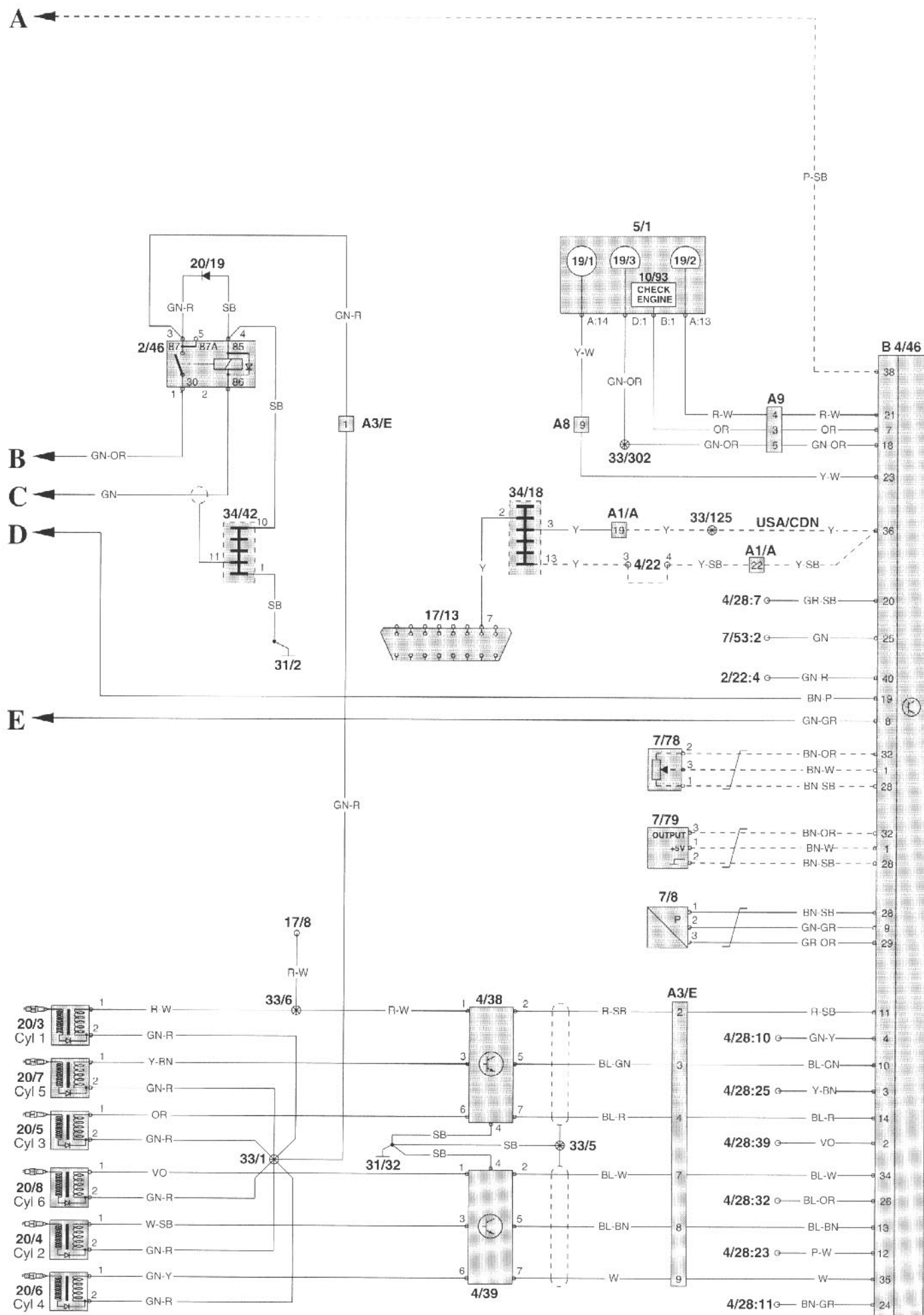


- Heated seats
- Central locking
- Climate unit
- Heated door mirrors, right side
- Vanity mirror lighting, right side
- Alarm diode
- Turn indicator light, right side (not USA/Canada)
- ABS control module
- Data Link Connector DLC
- Anti-theft alarm siren
- Power seat, passenger side
- Driver door relay, 2-stage central locking (USA/CDN)
- Accessories
- Ground terminal block 34/19 (at parking brake bracket)
 - Ashtray lighting
 - Gear selector lighting AW30-40/43
 - Mode-switch AW30-40/43
 - Switch lighting heated seat
 - Speedometer (signal ground)
 - P-shift lock
 - Seat belt reminder
 - Relay, temperature sensor (Japan)
- via ground terminal block 34/18 (at central relay module tunnel)
 - Heating relay, rear window/door mirror
 - Windshield wiper intermittent relay
 - Anti-theft alarm relay
 - Seat belt reminder/key warning relay (USA/CDN)

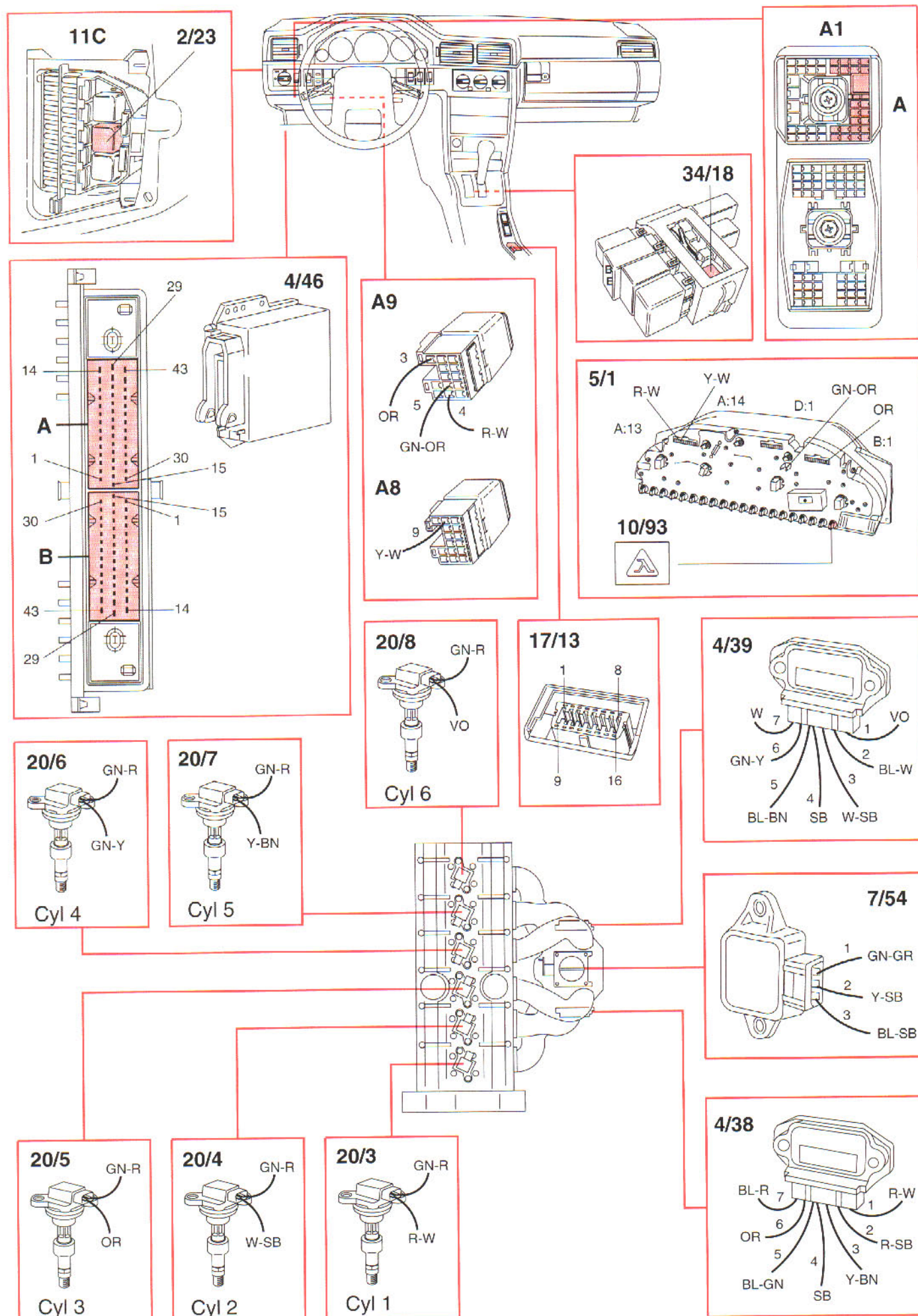
Fuel and ignition system Motronic 4.4 MFI



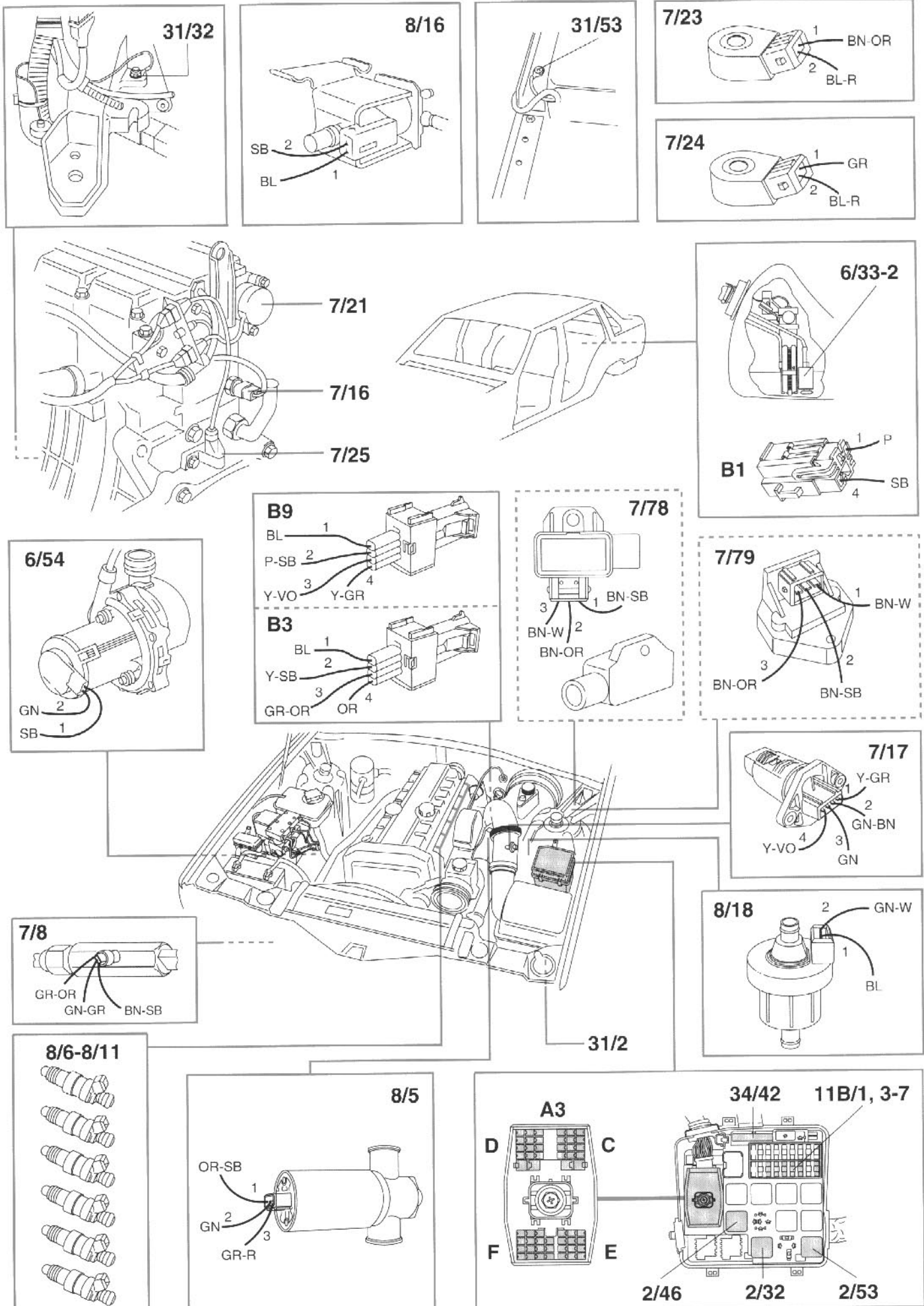
Fuel and ignition system Motronic 4.4 MFI



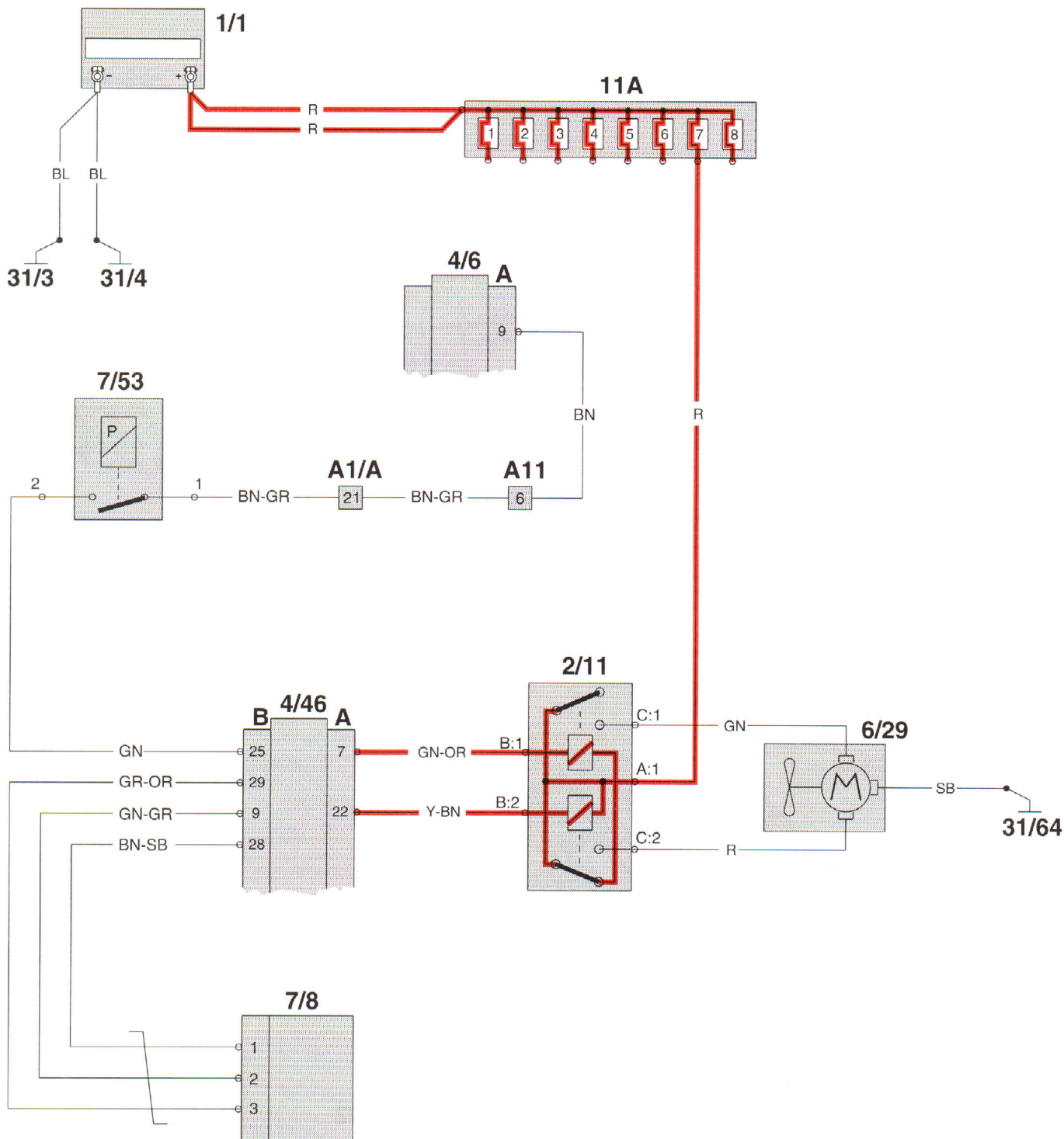
Fuel and ignition system Motronic 4.4 MFI

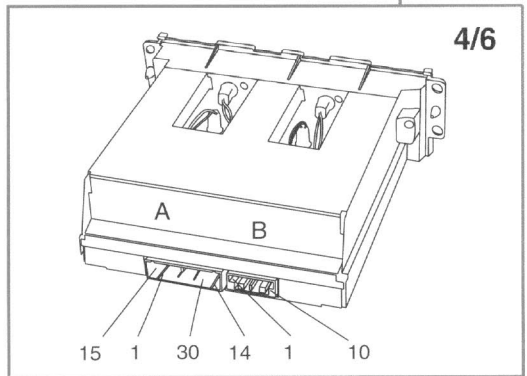
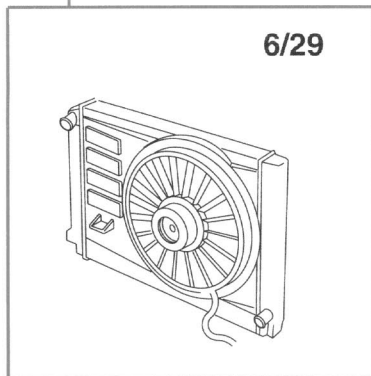
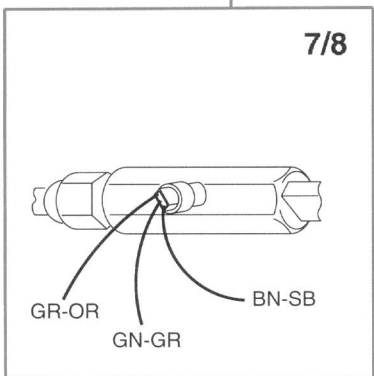
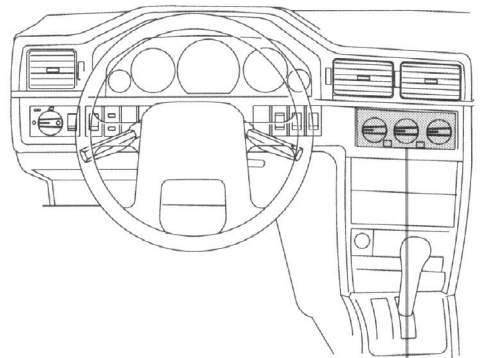
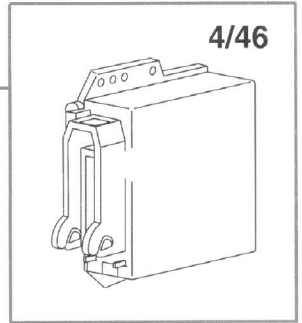
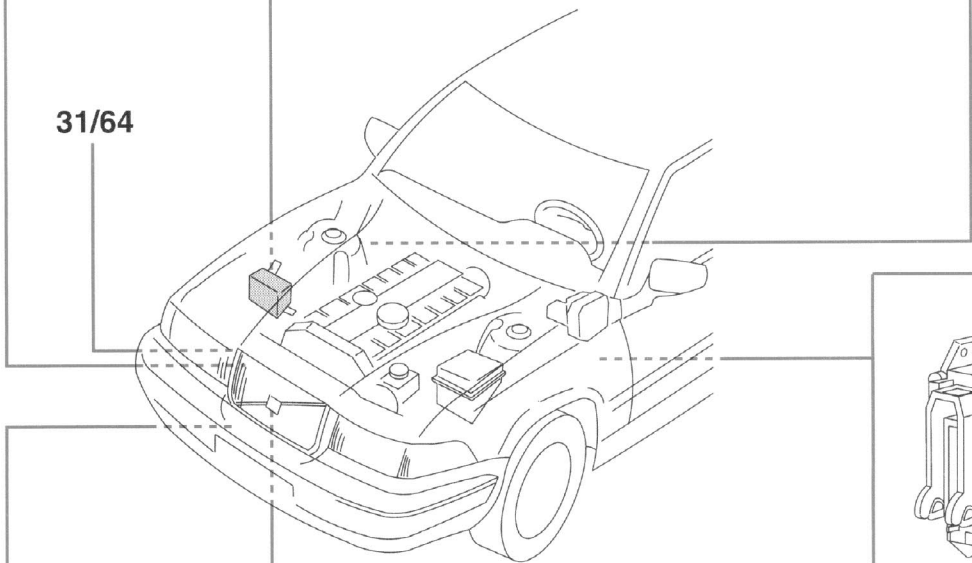
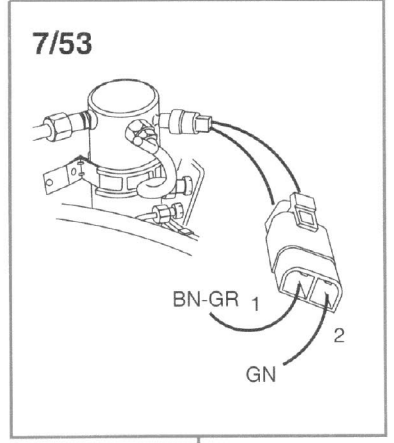
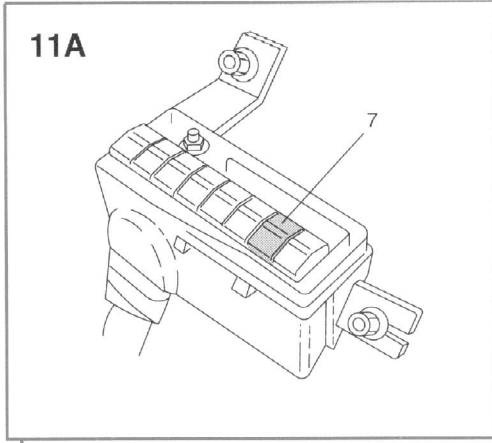
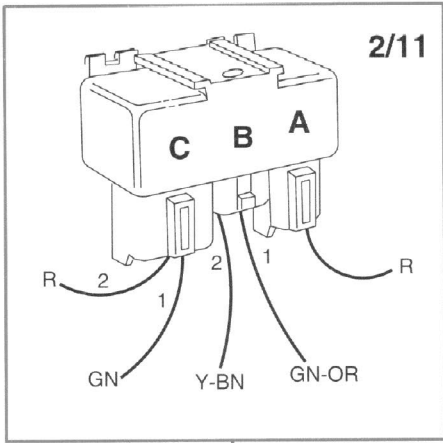


Fuel and ignition system Motronic 4.4 MFI

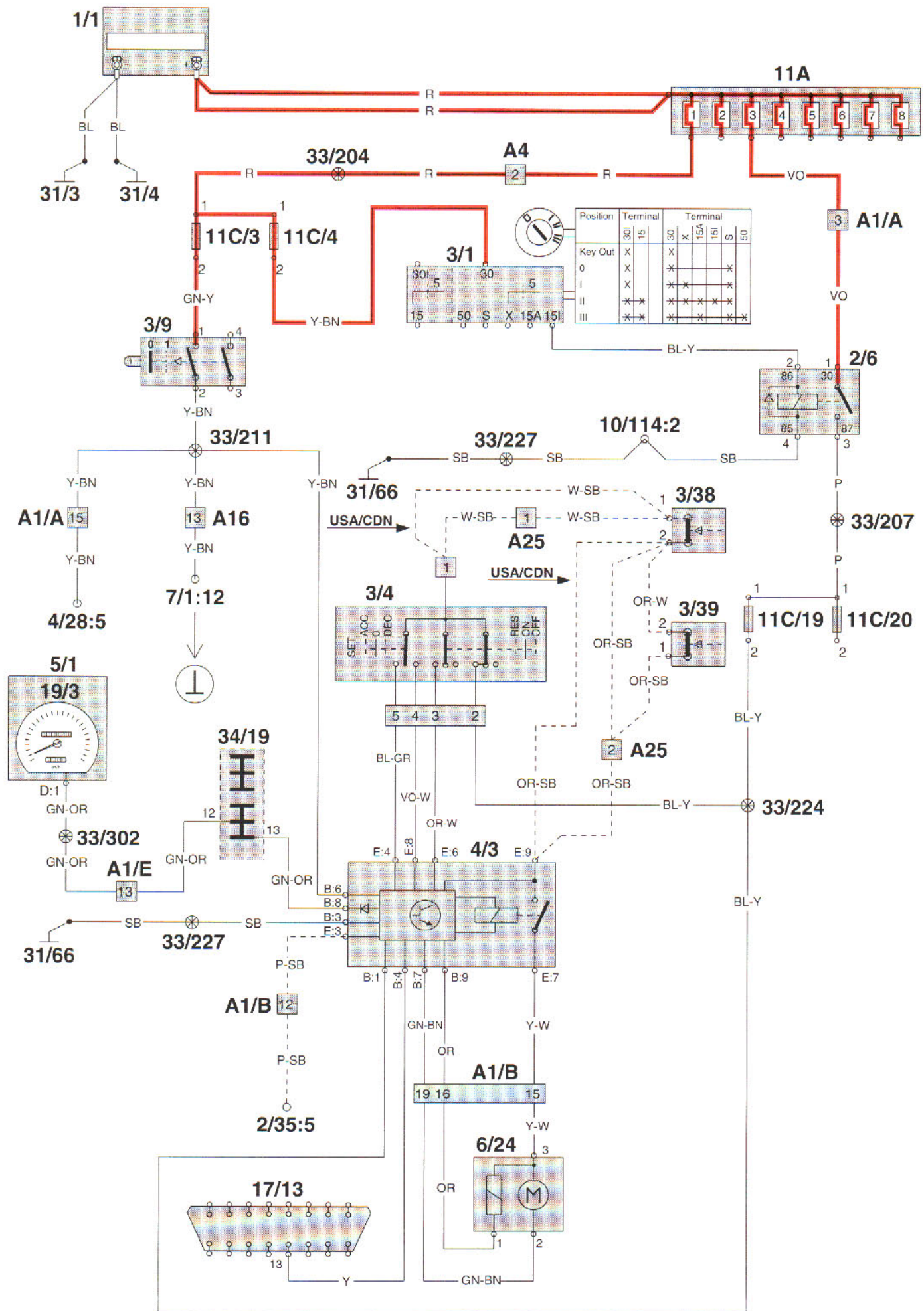


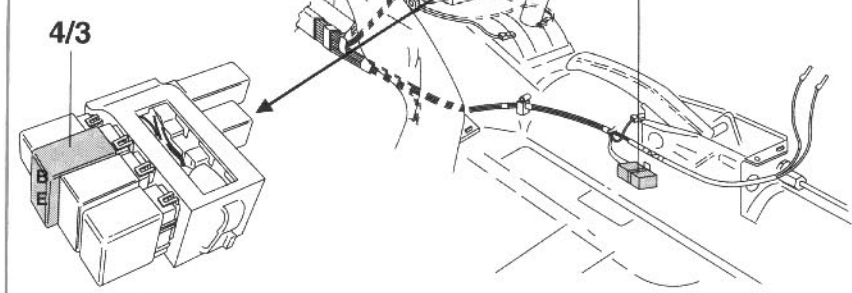
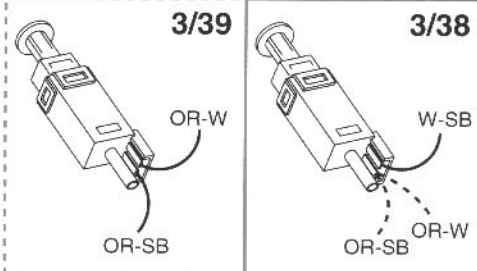
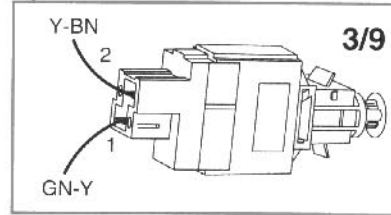
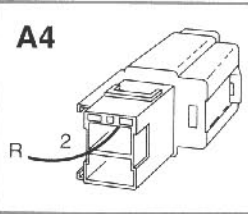
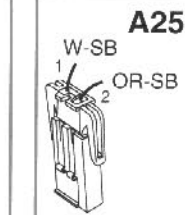
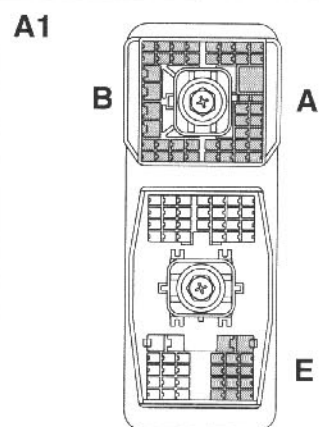
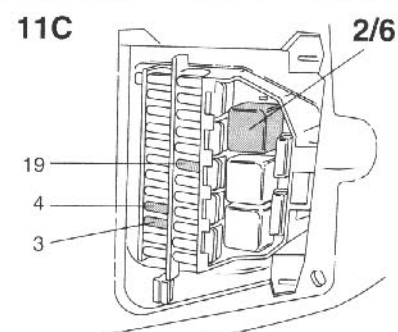
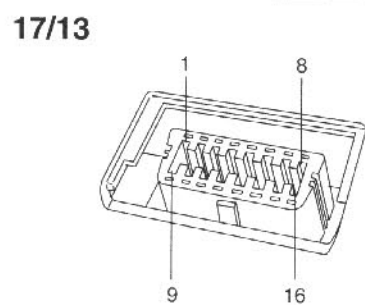
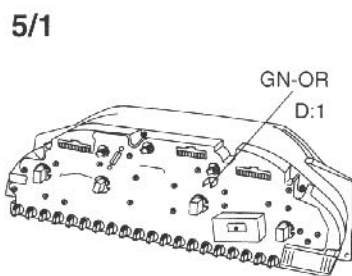
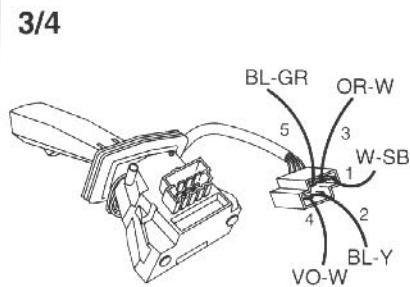
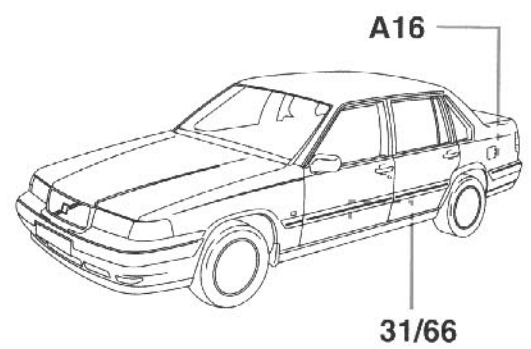
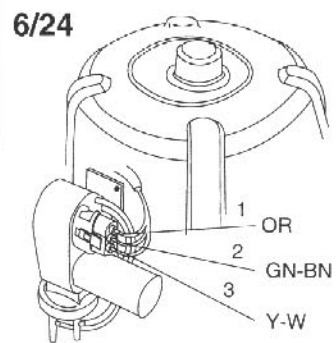
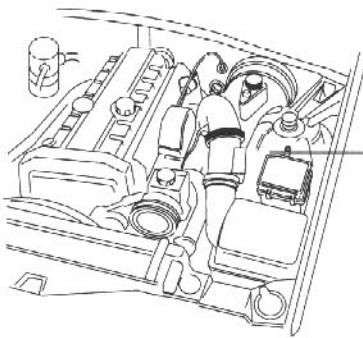
Engine coolant fan FC





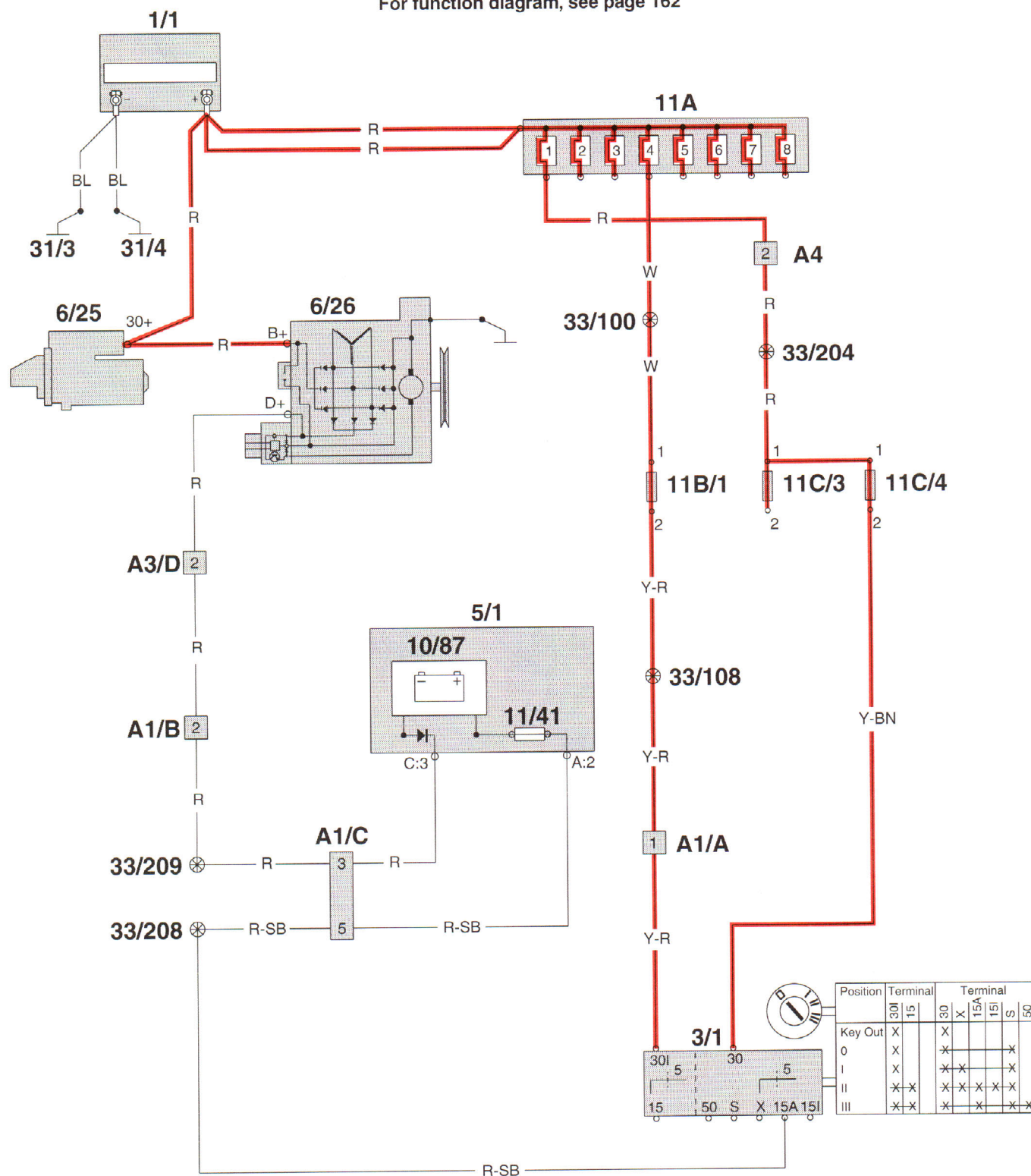
Cruise control

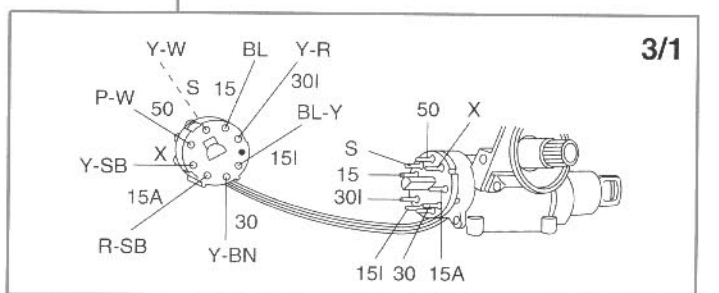
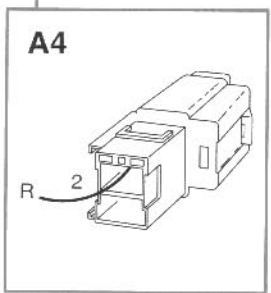
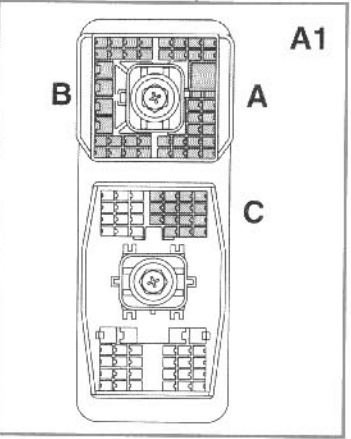
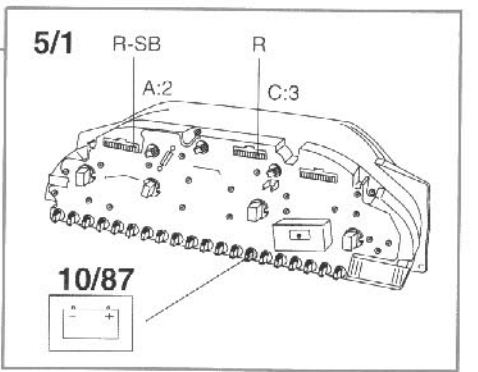
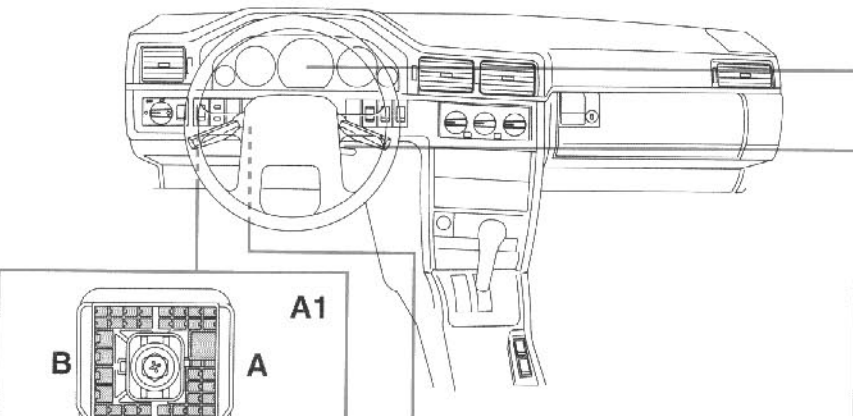
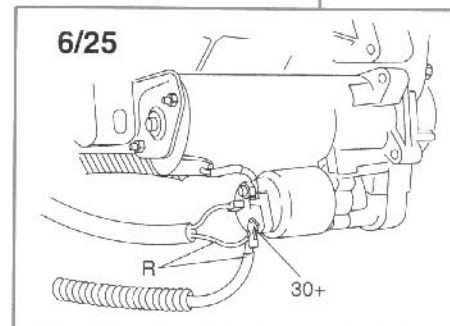
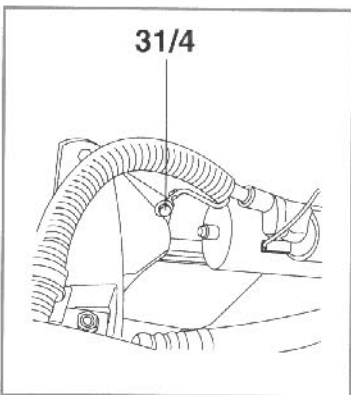
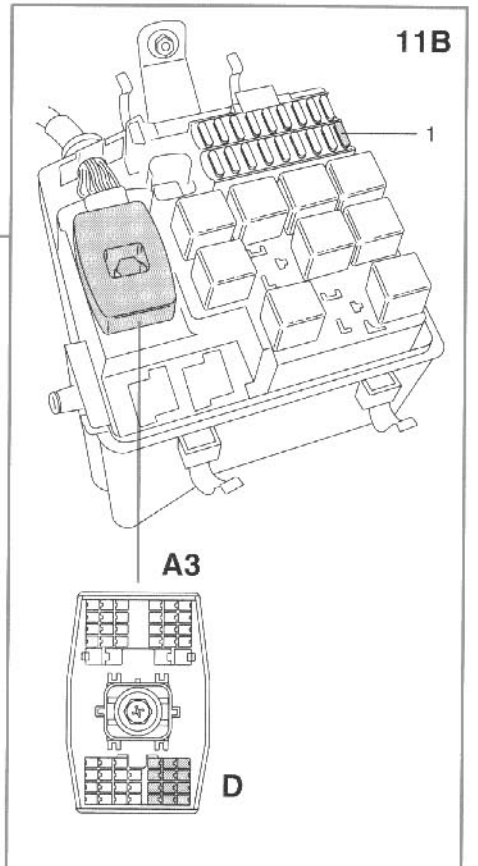
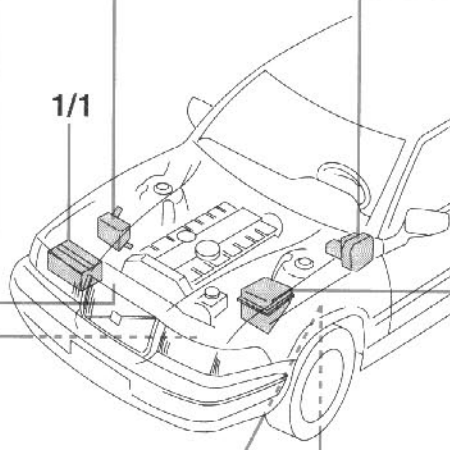
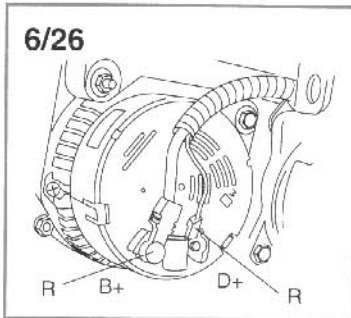
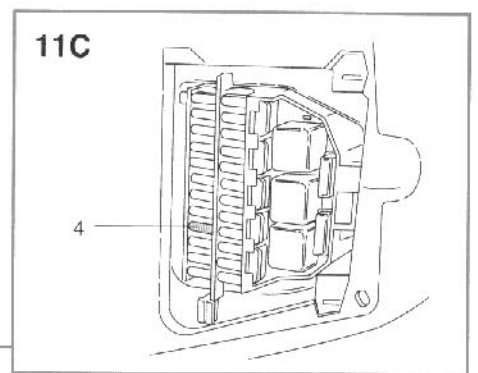
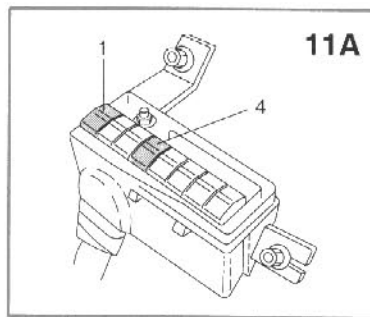
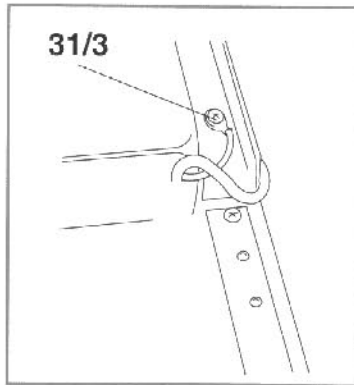




Power supply

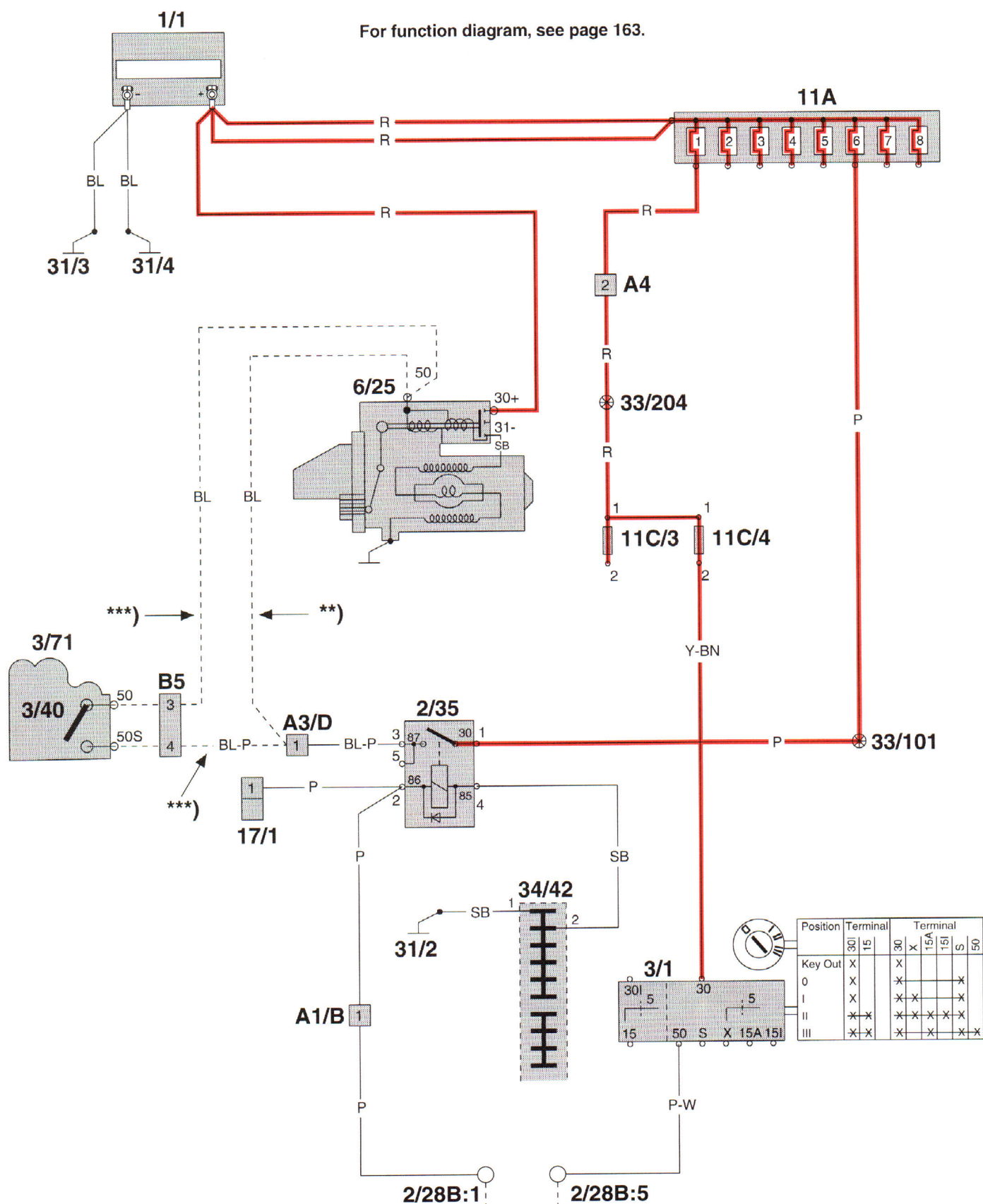
For function diagram, see page 162





Starting system

For function diagram, see page 163.

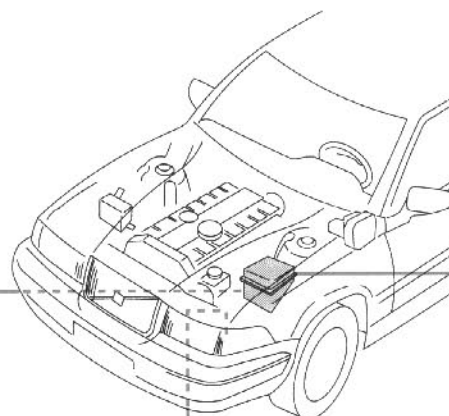
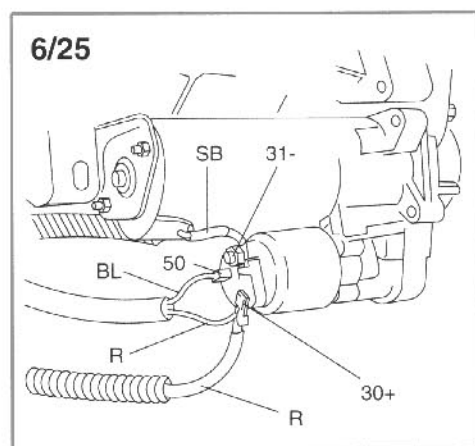
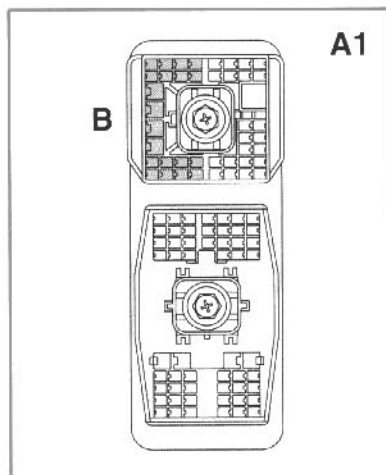
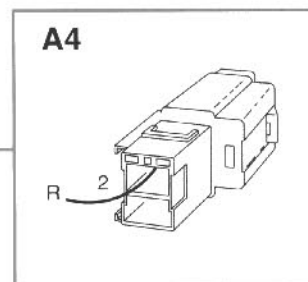
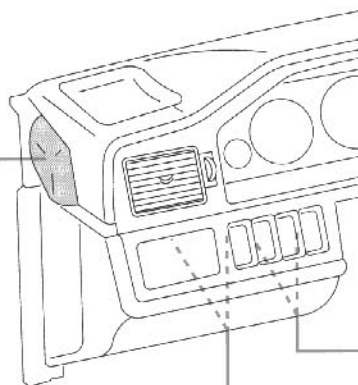
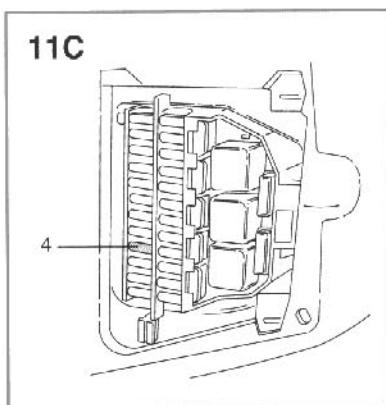


*) Cars without anti-theft alarm
(Cars with anti-theft alarm please also refer to page 98, 100)

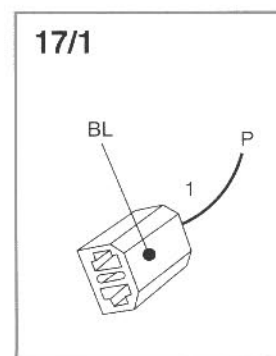
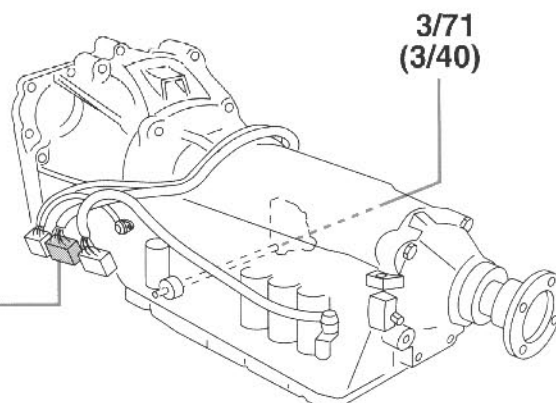
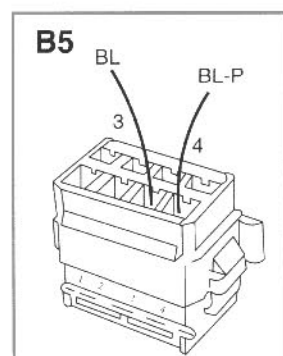
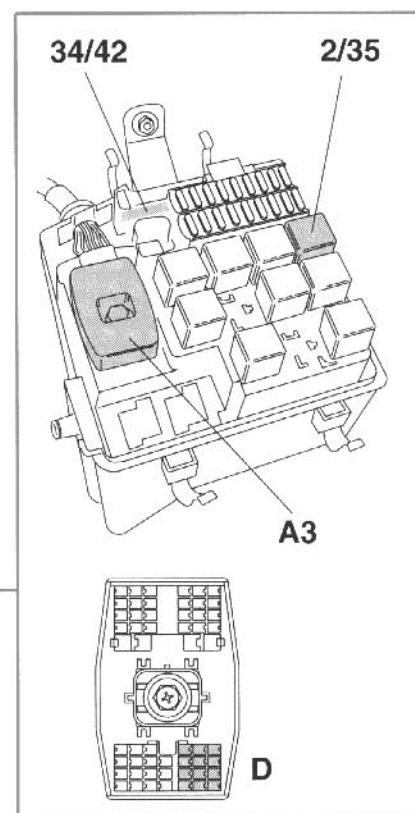
**) Manual transmission

***) Automatic transmission

*)

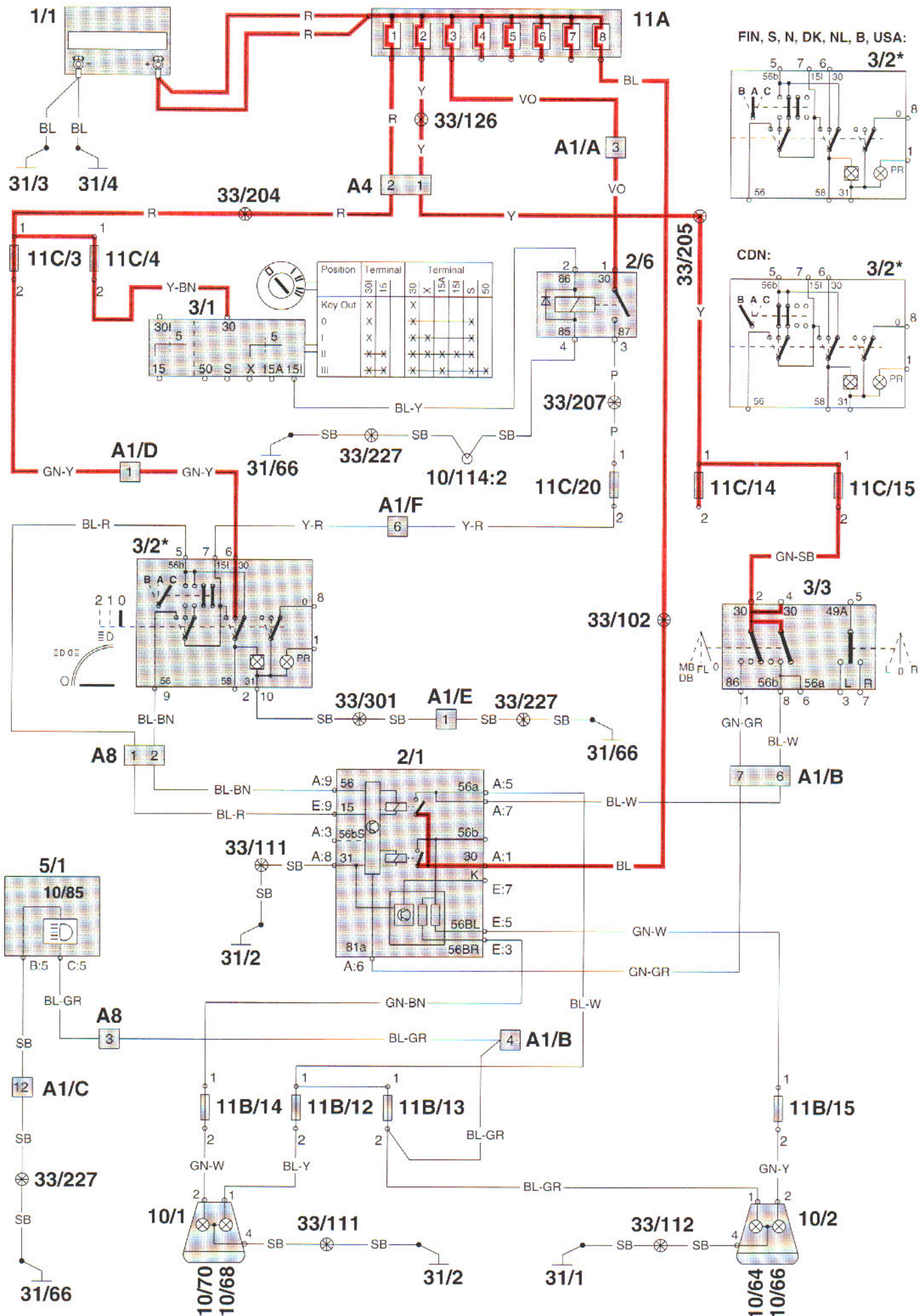


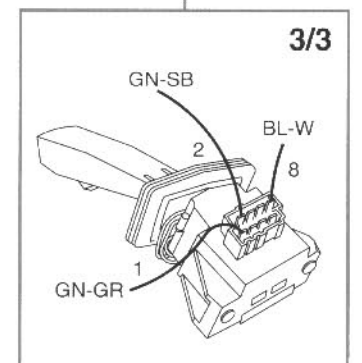
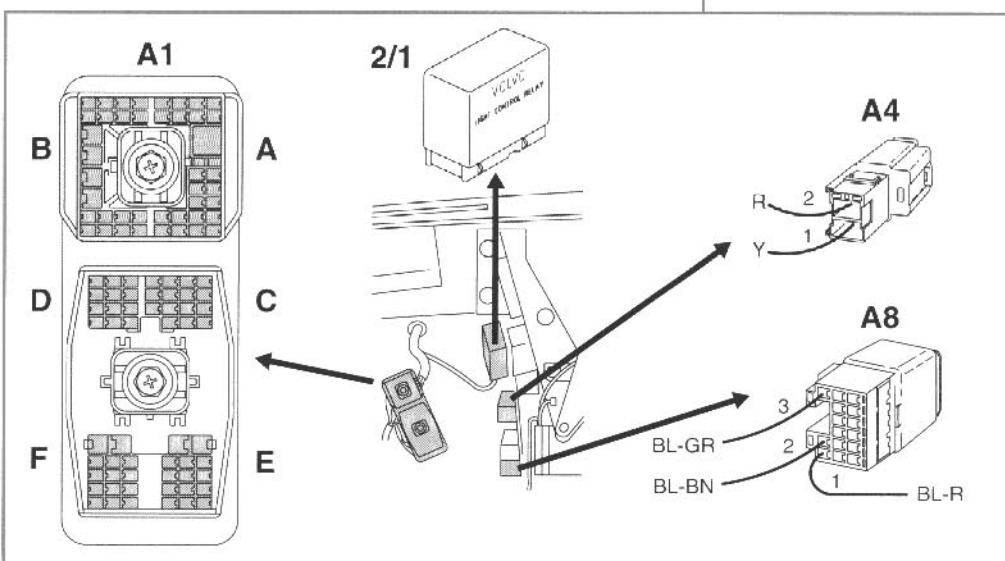
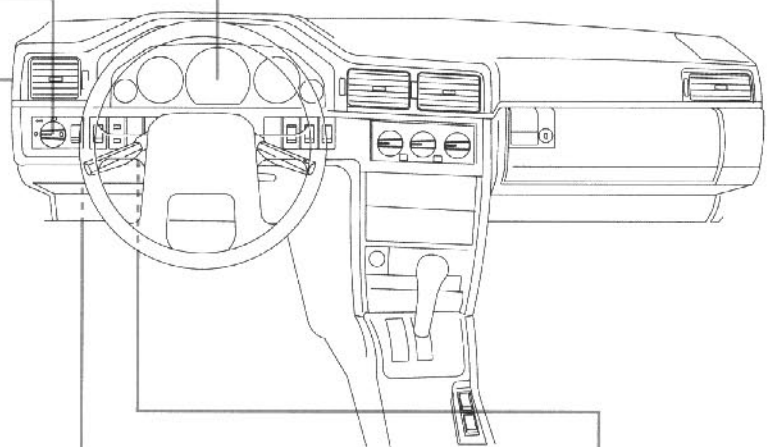
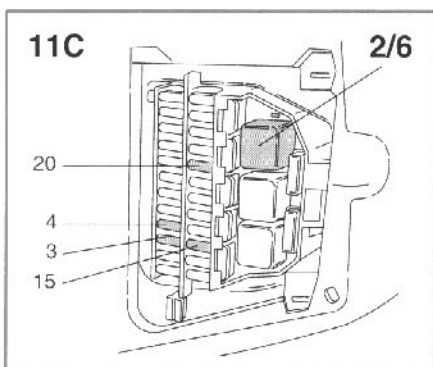
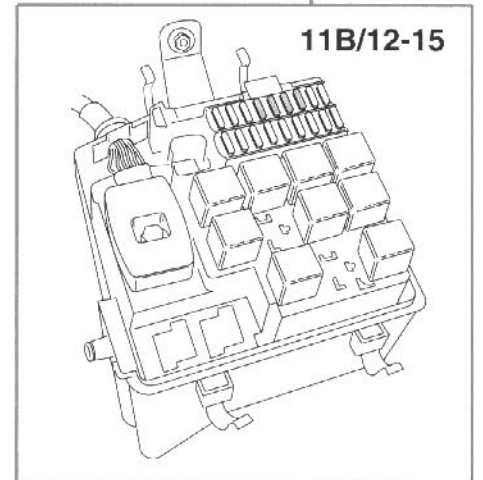
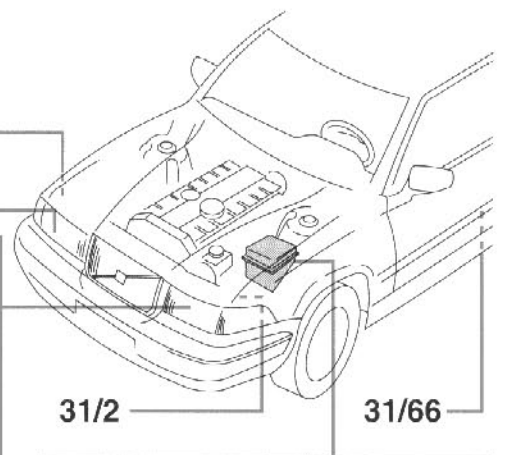
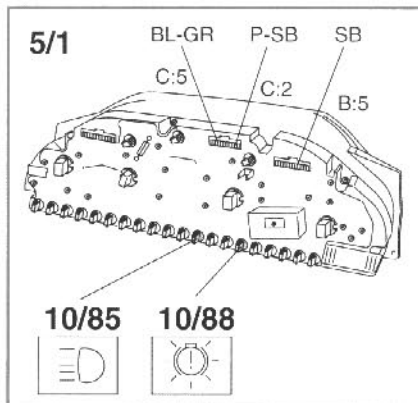
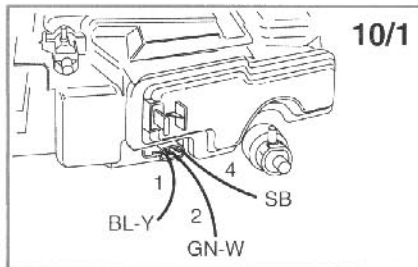
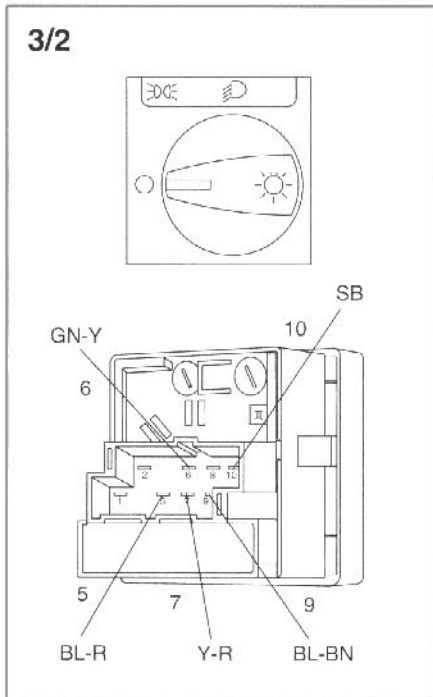
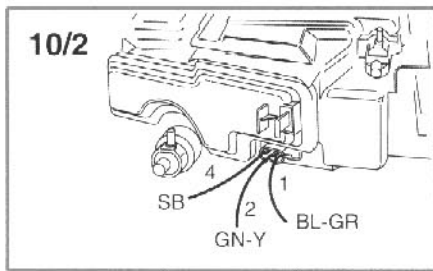
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High and low beams

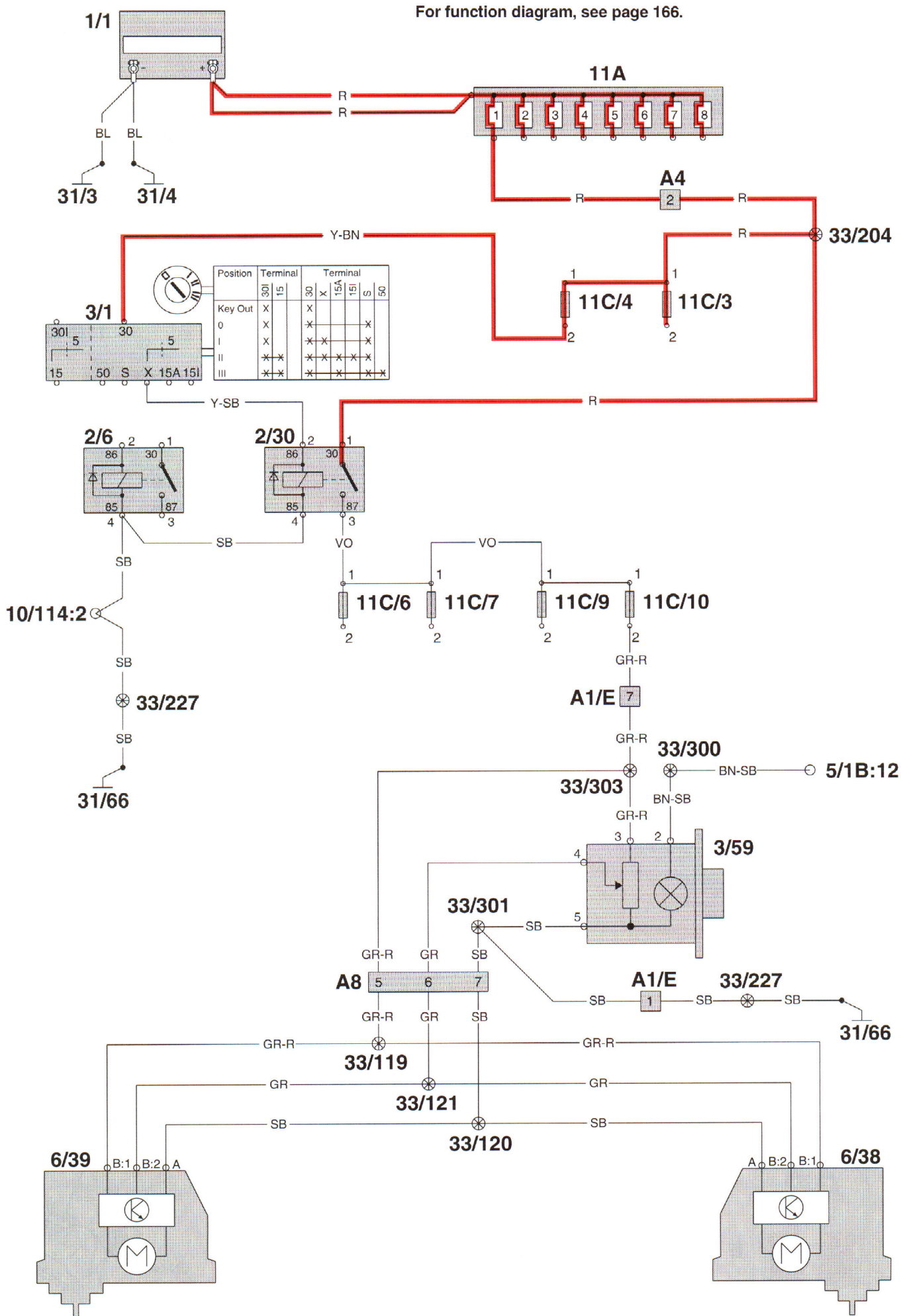
For function diagram, see pages 164 -165.



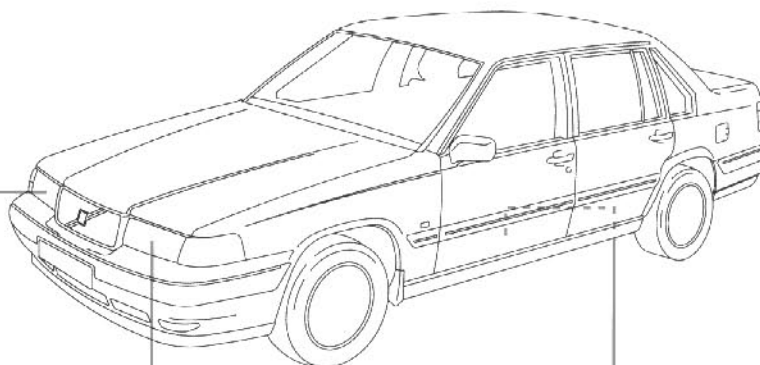
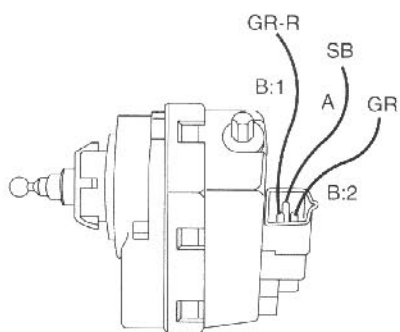


Beam width control

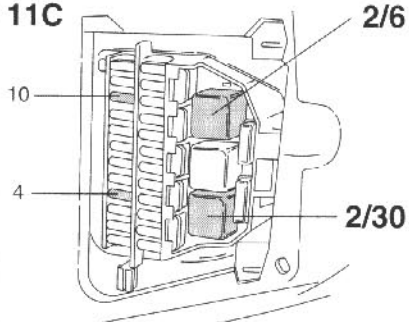
For function diagram, see page 166.



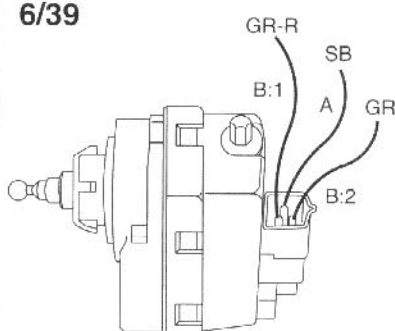
6/38



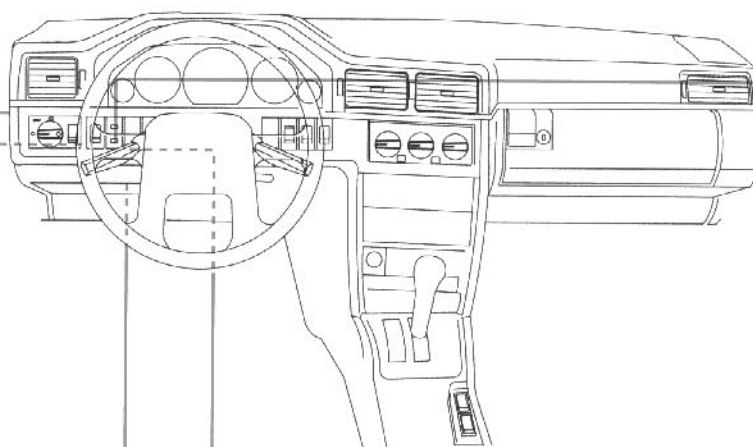
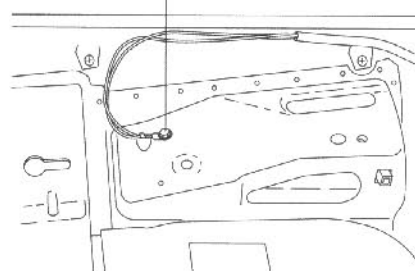
11C



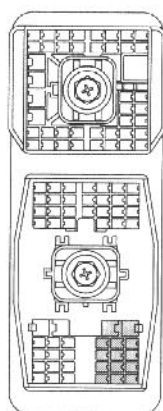
6/39



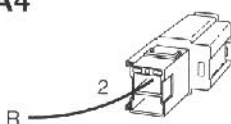
31/66



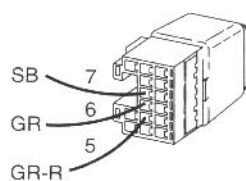
A1



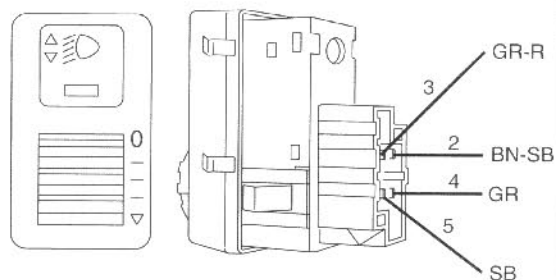
A4



A8

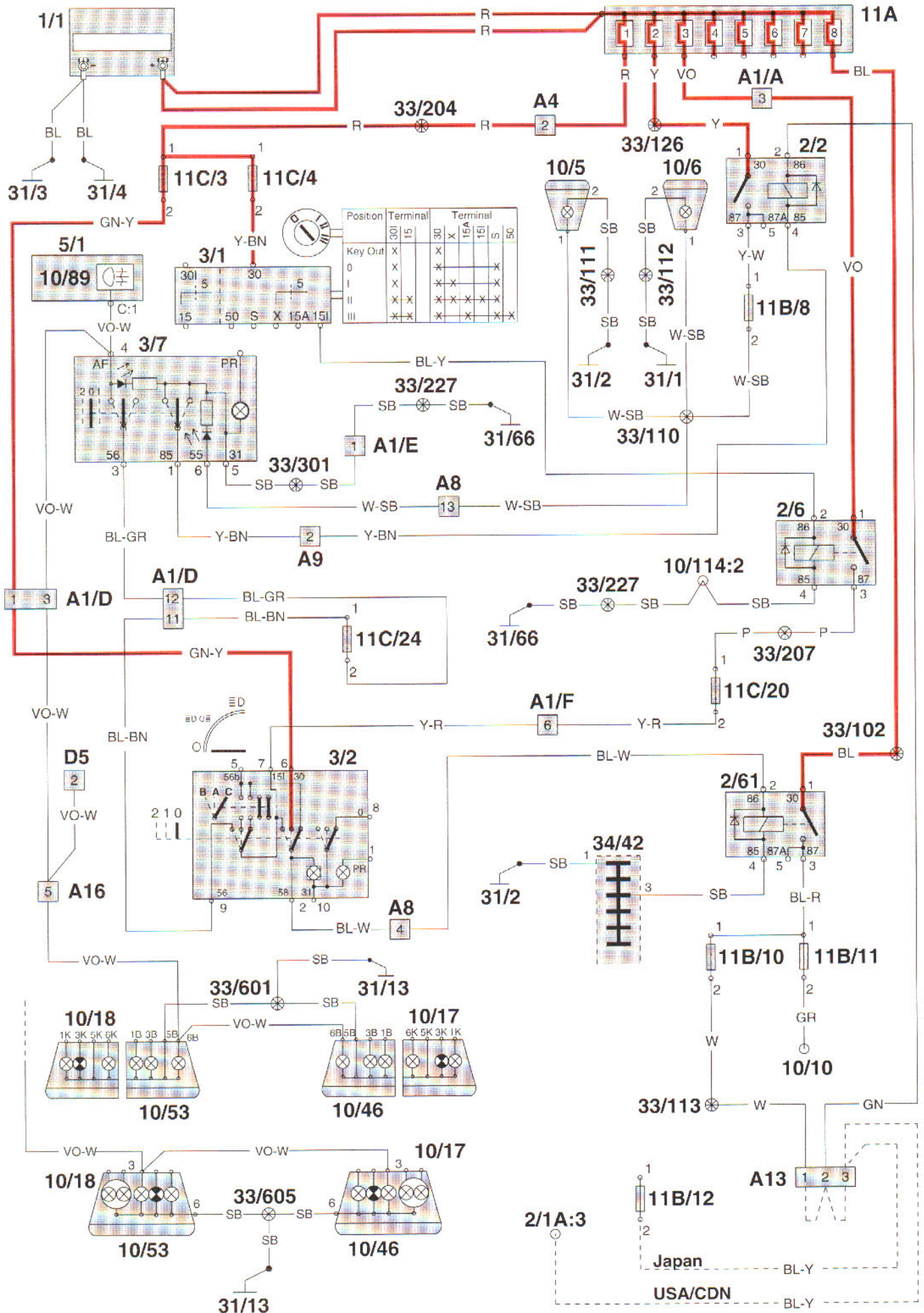


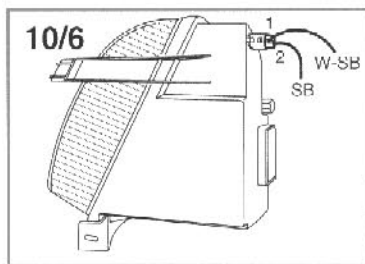
3/59



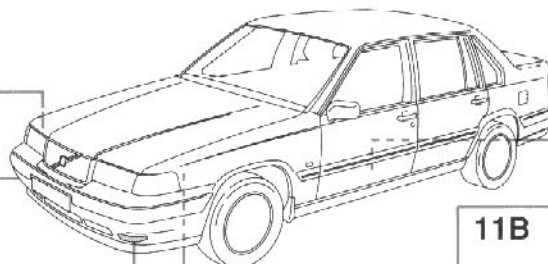
Fog lights

For function diagram, see pages 167 - 170.

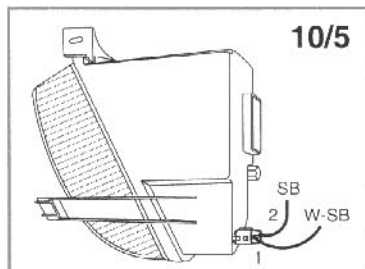




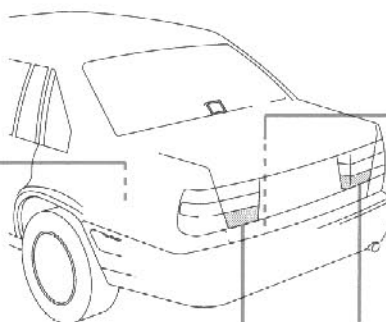
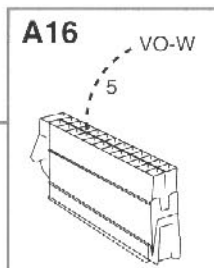
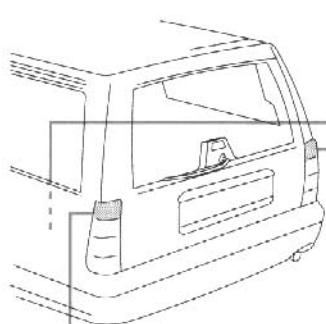
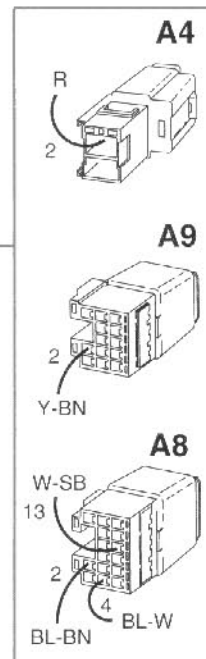
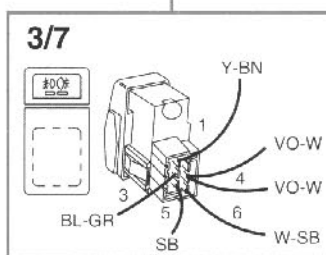
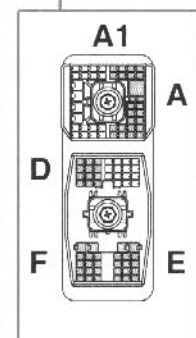
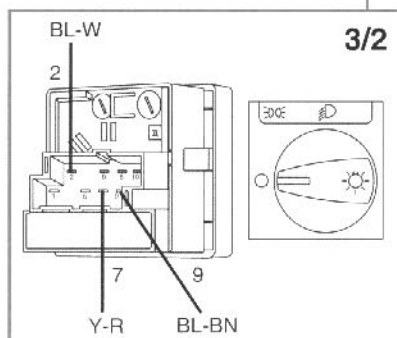
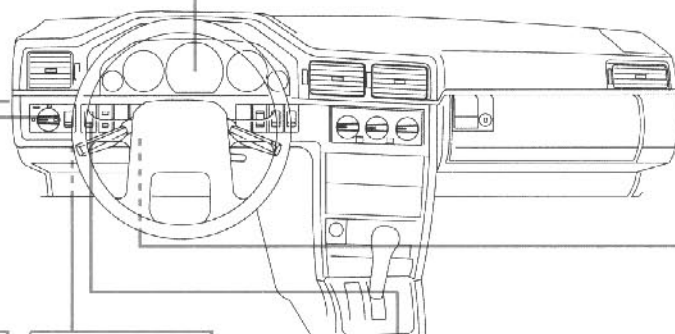
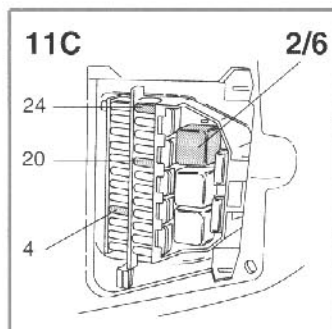
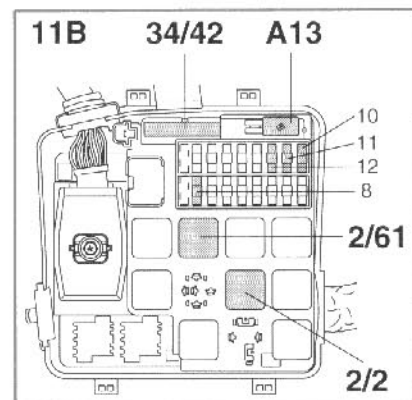
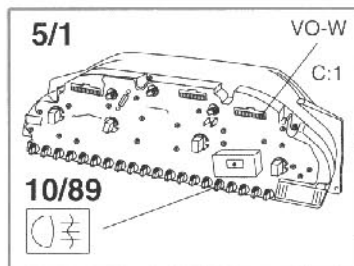
31/1



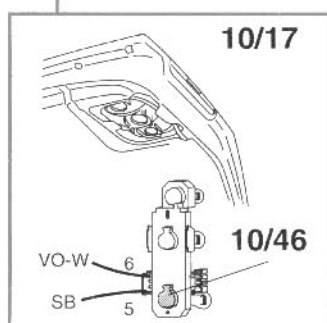
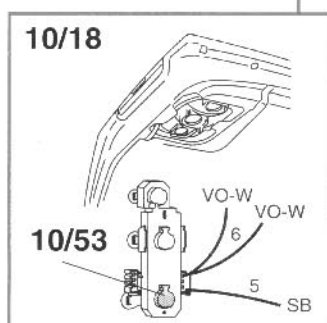
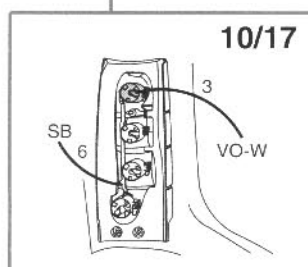
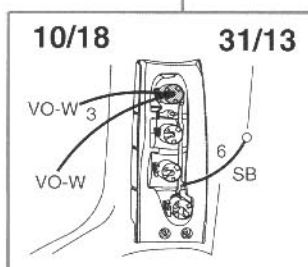
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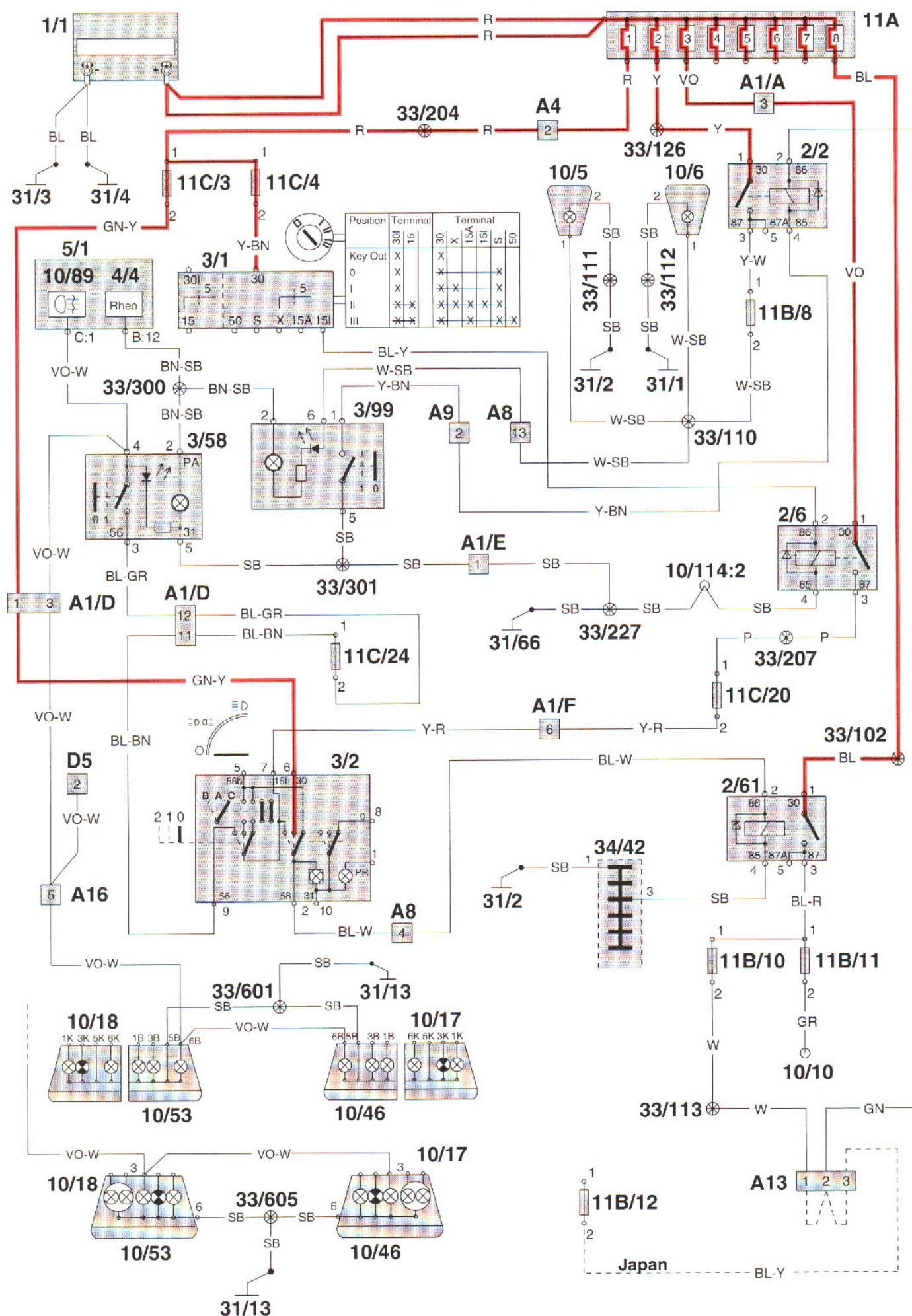
31/2

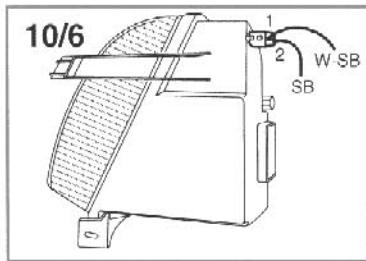


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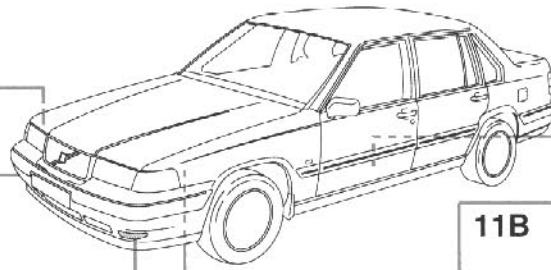


Fog lights, late version (Not USA/Canada)

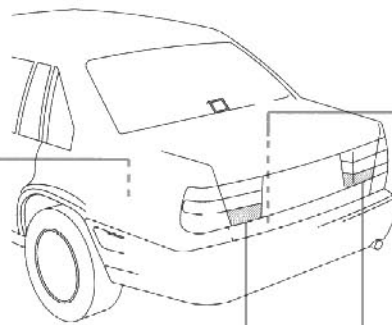
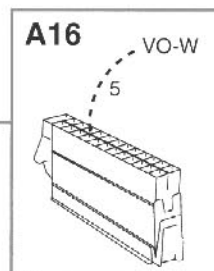
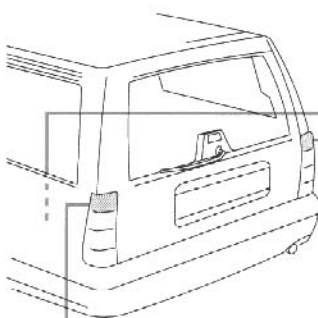
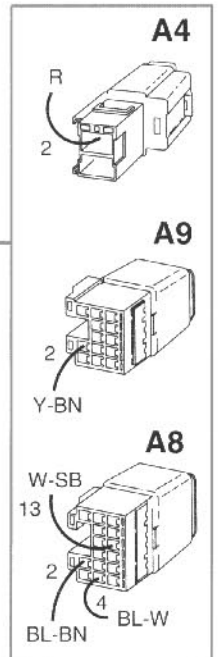
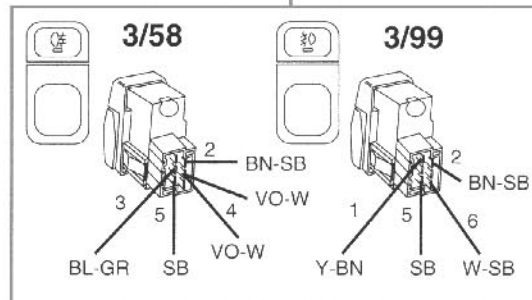
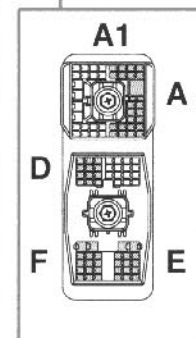
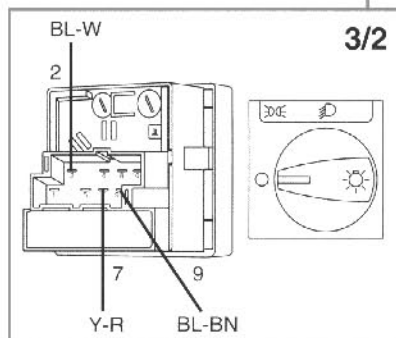
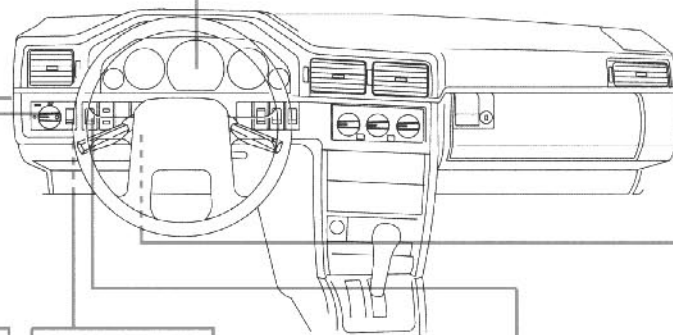
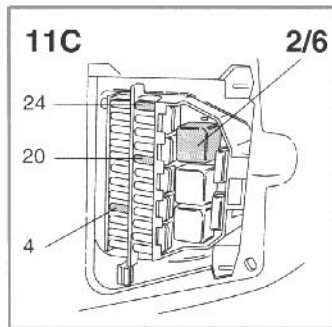
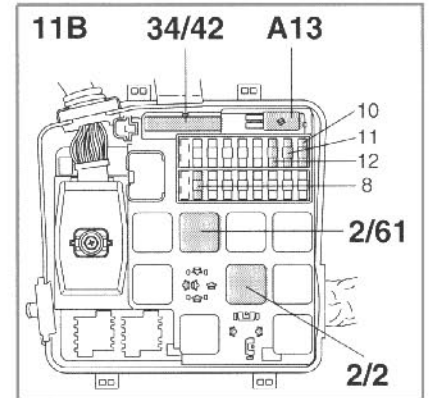
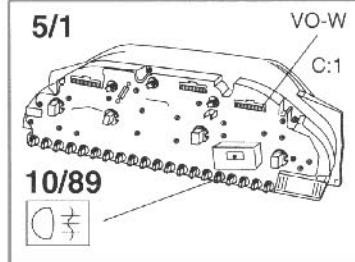
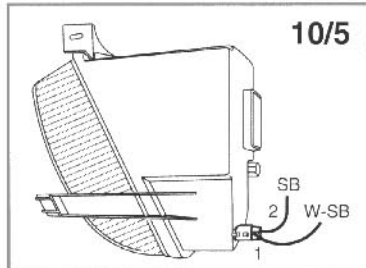




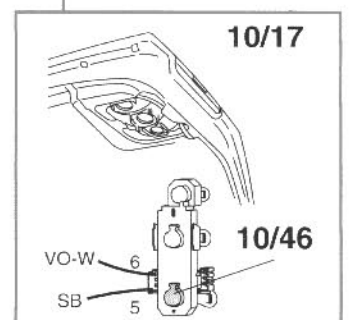
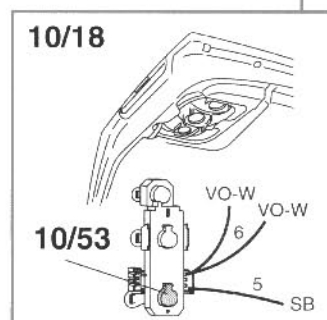
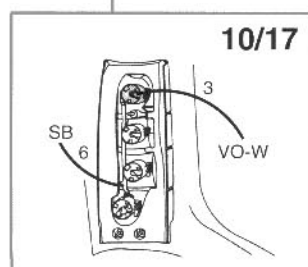
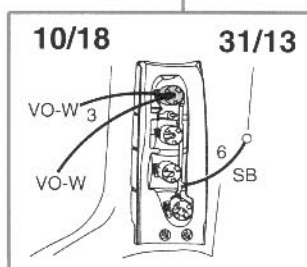
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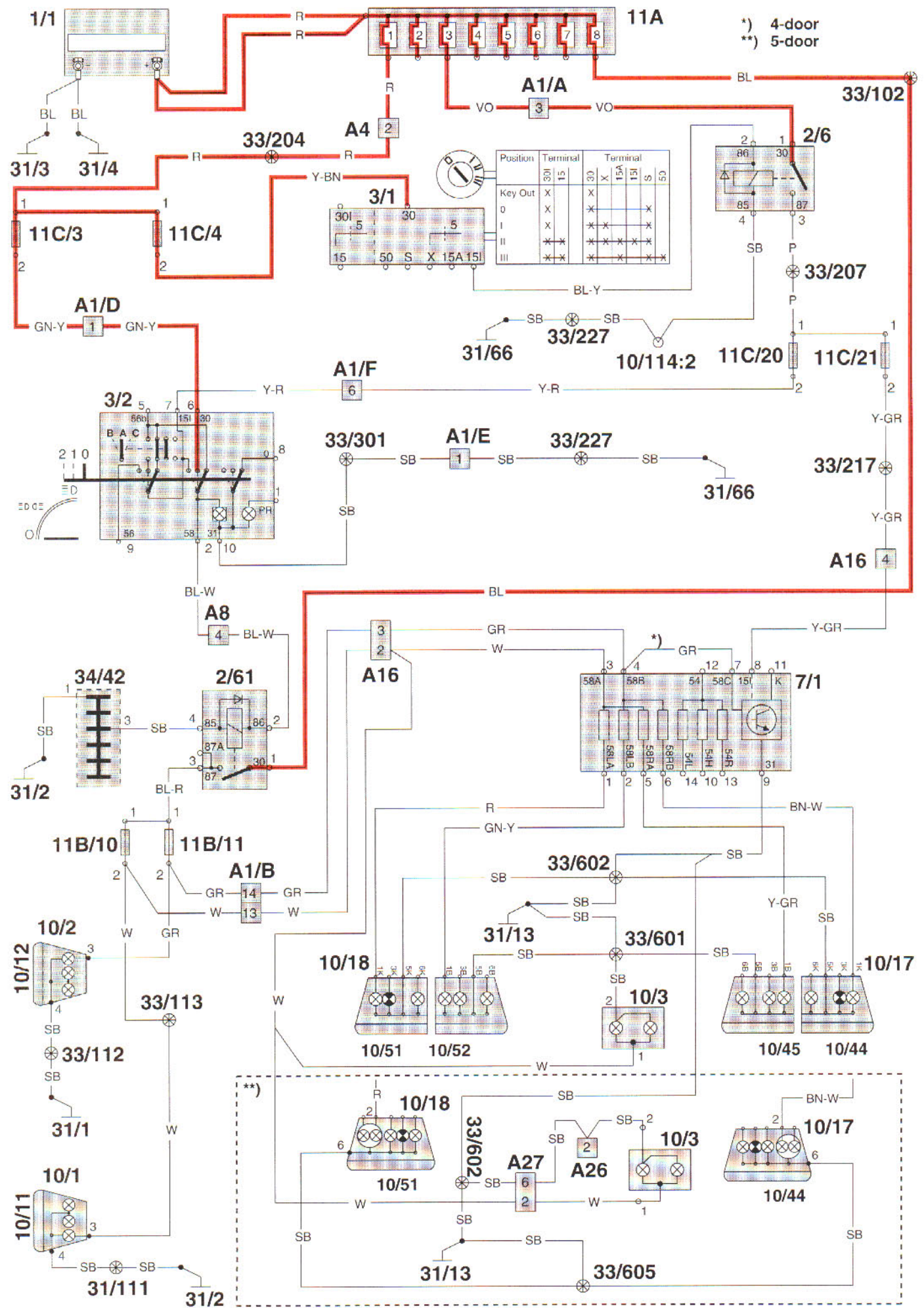
31/66

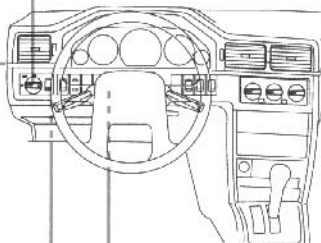
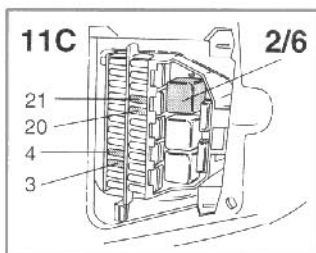
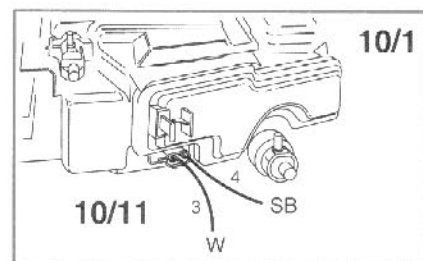
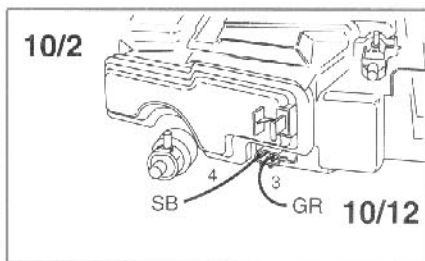
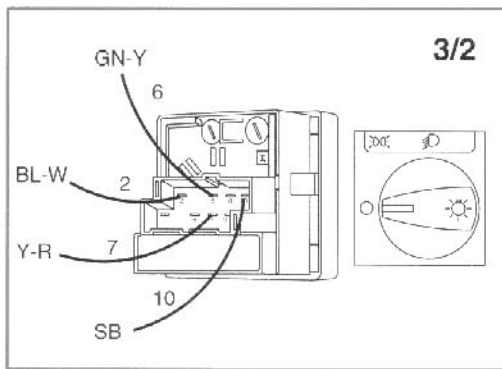


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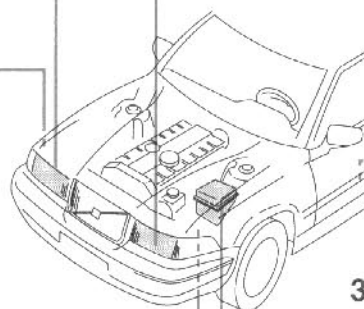


Parking lights, tail lights and license plate lights



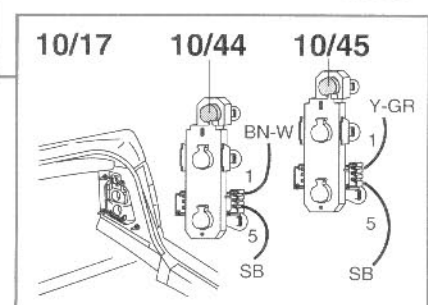
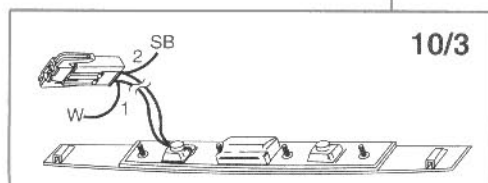
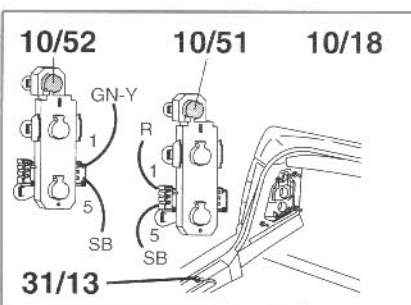
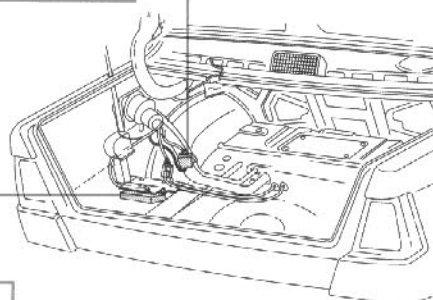
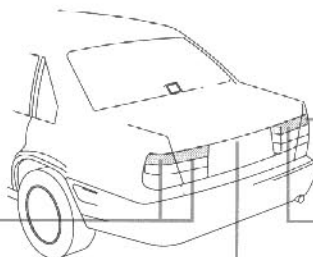
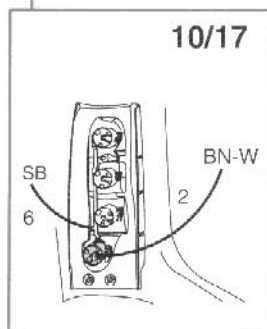
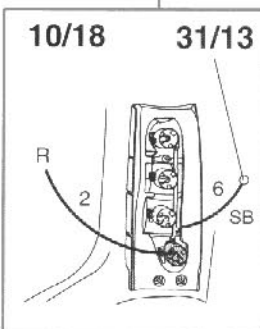
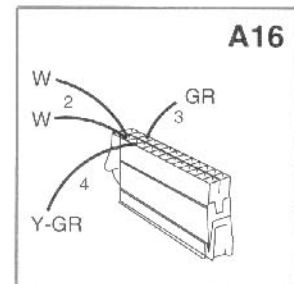
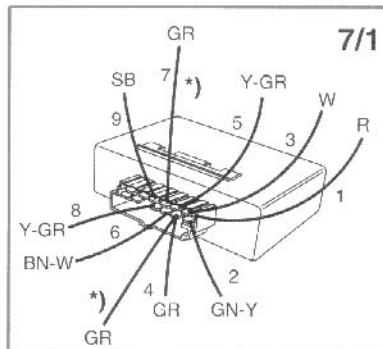
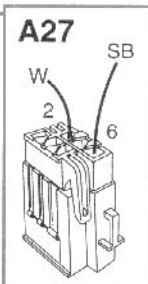
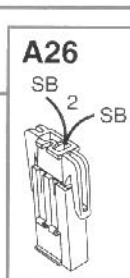
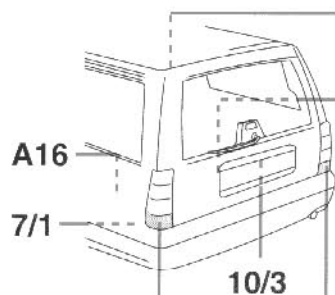
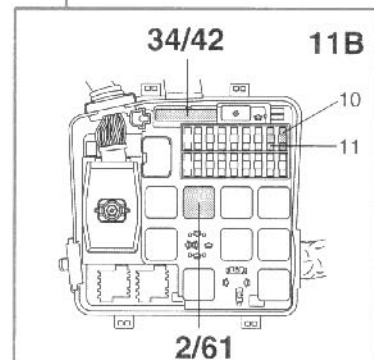
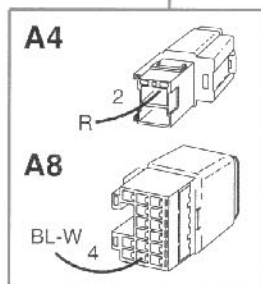
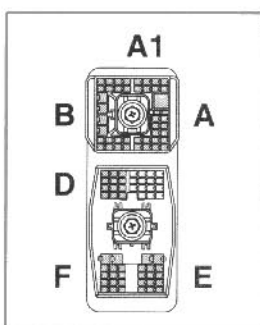


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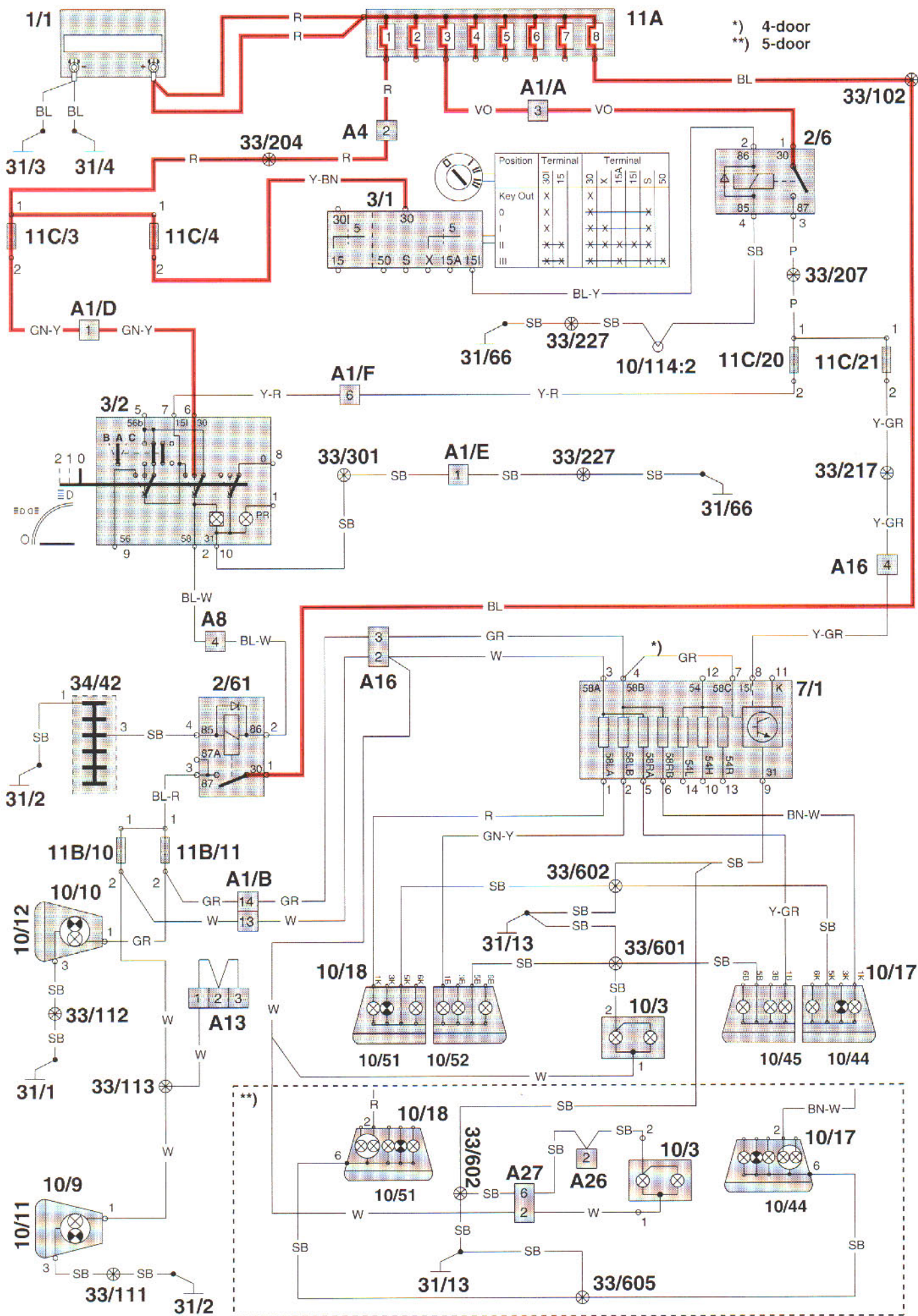


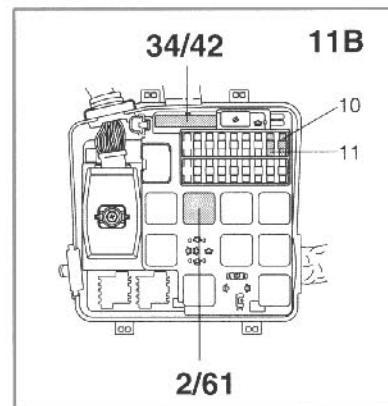
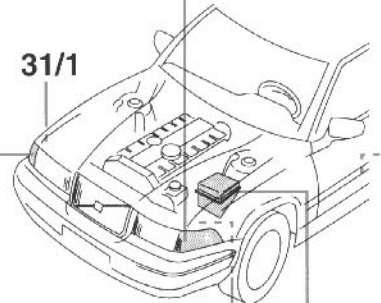
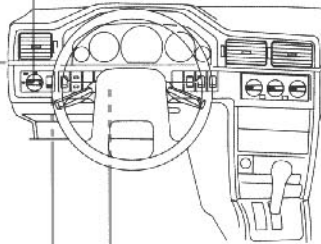
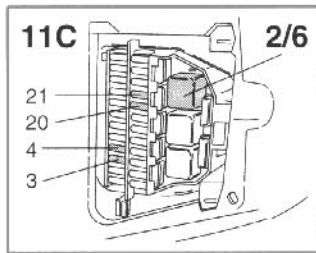
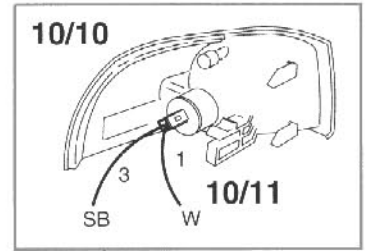
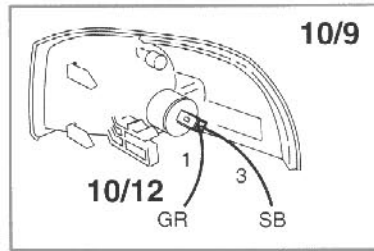
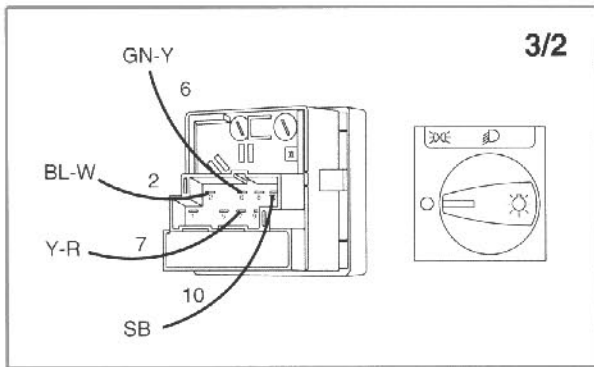
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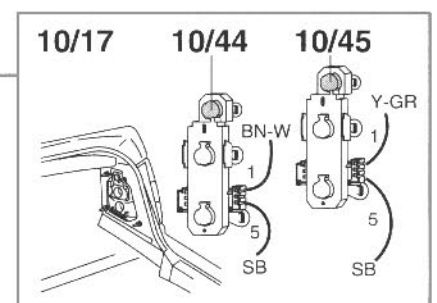
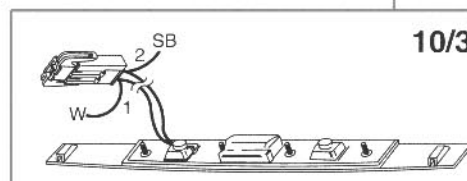
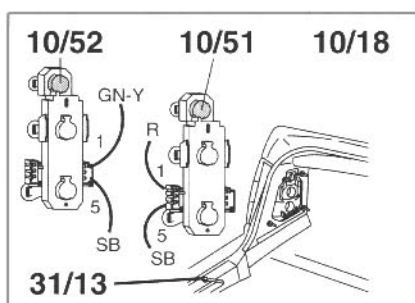
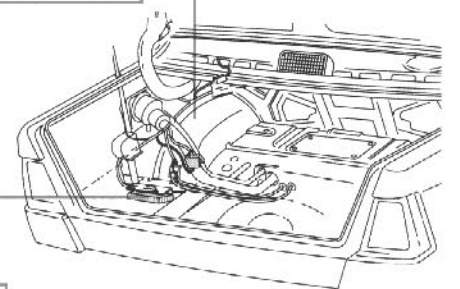
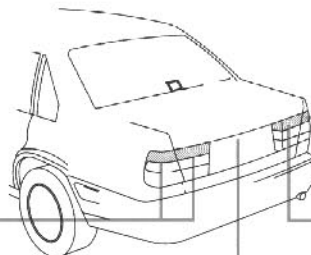
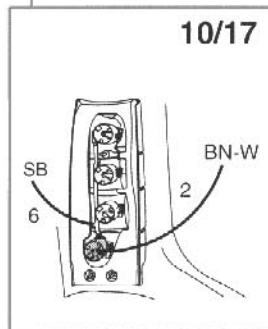
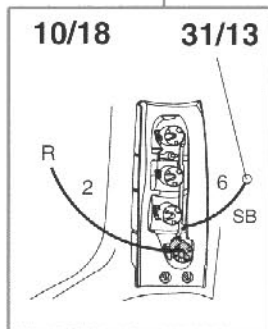
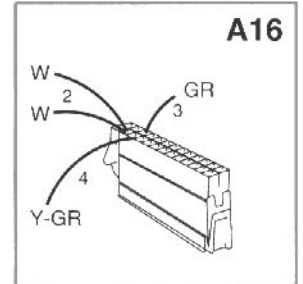
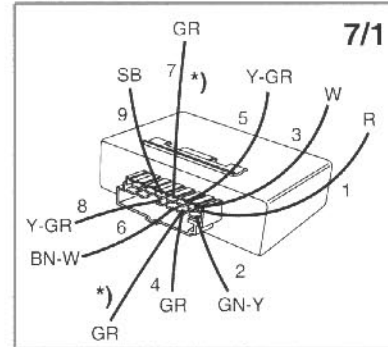
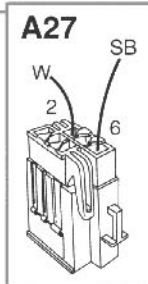
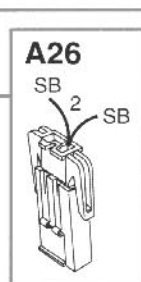
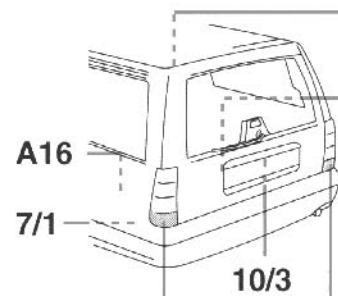
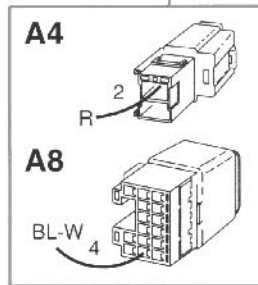
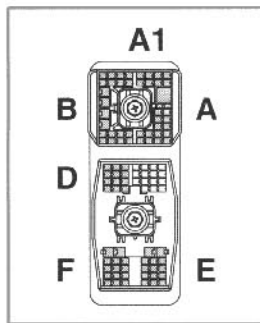
Parking lights, tail lights and license plate lights USA, Canada



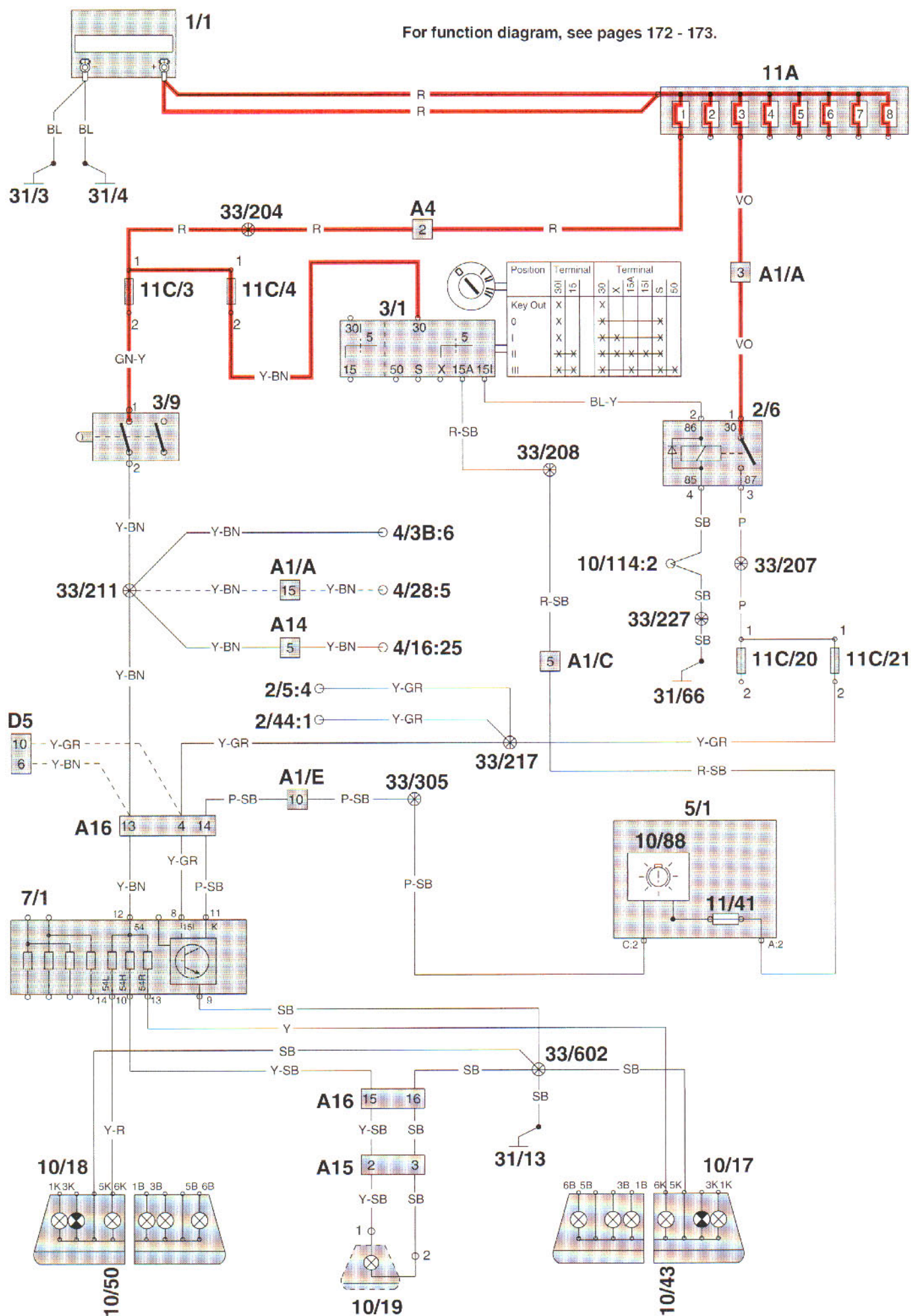
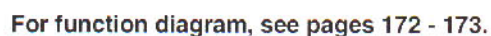


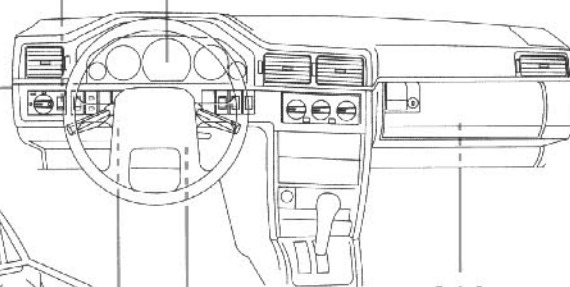
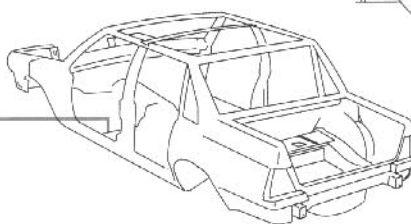
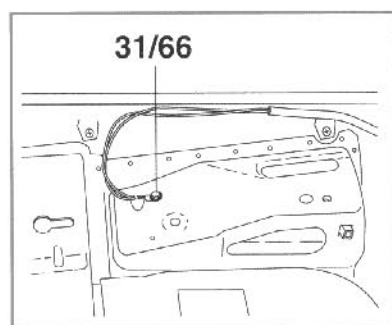
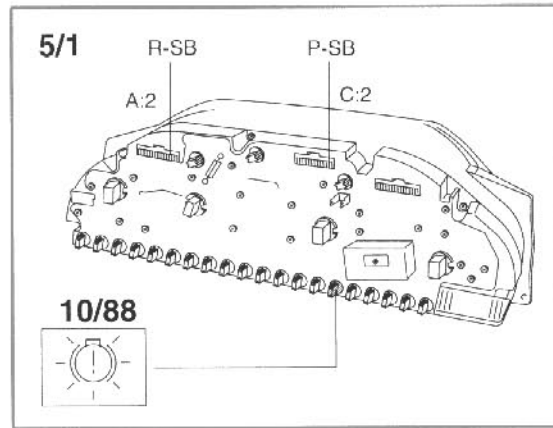
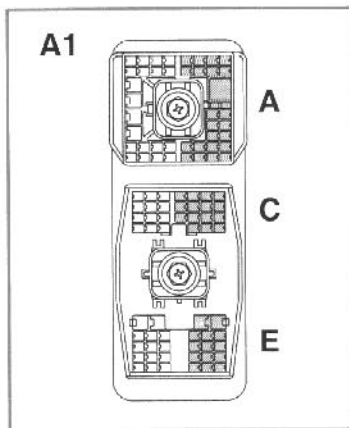
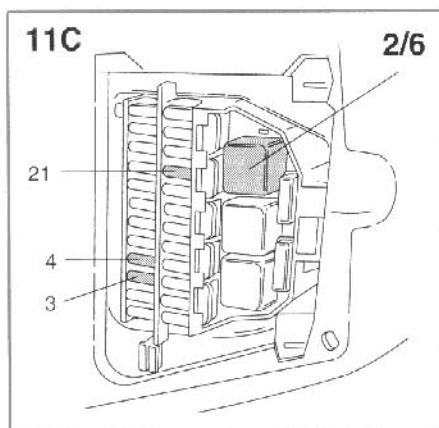
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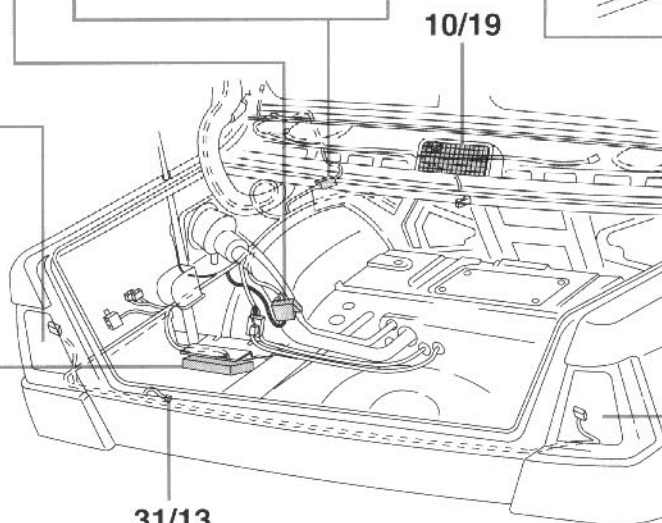
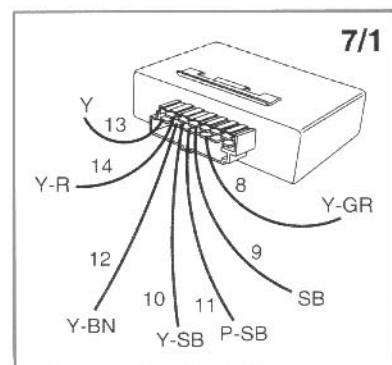
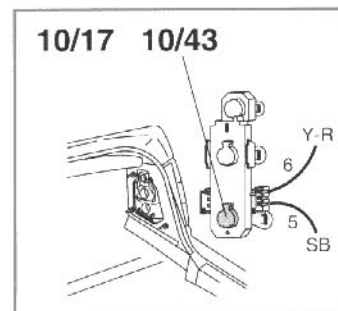
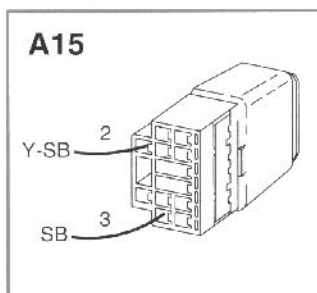
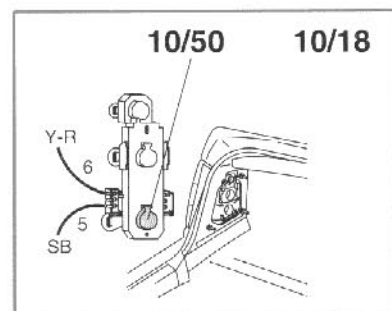
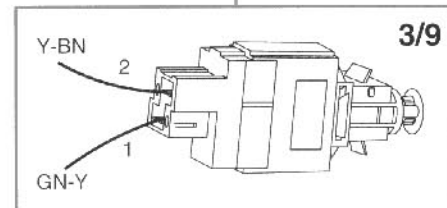
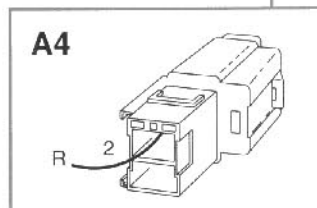
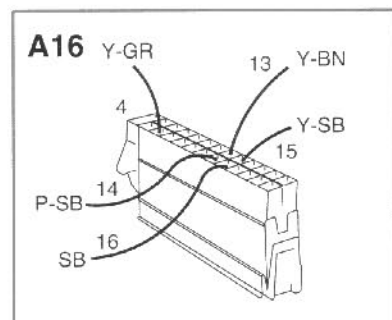


Stop (brake) light 4-door



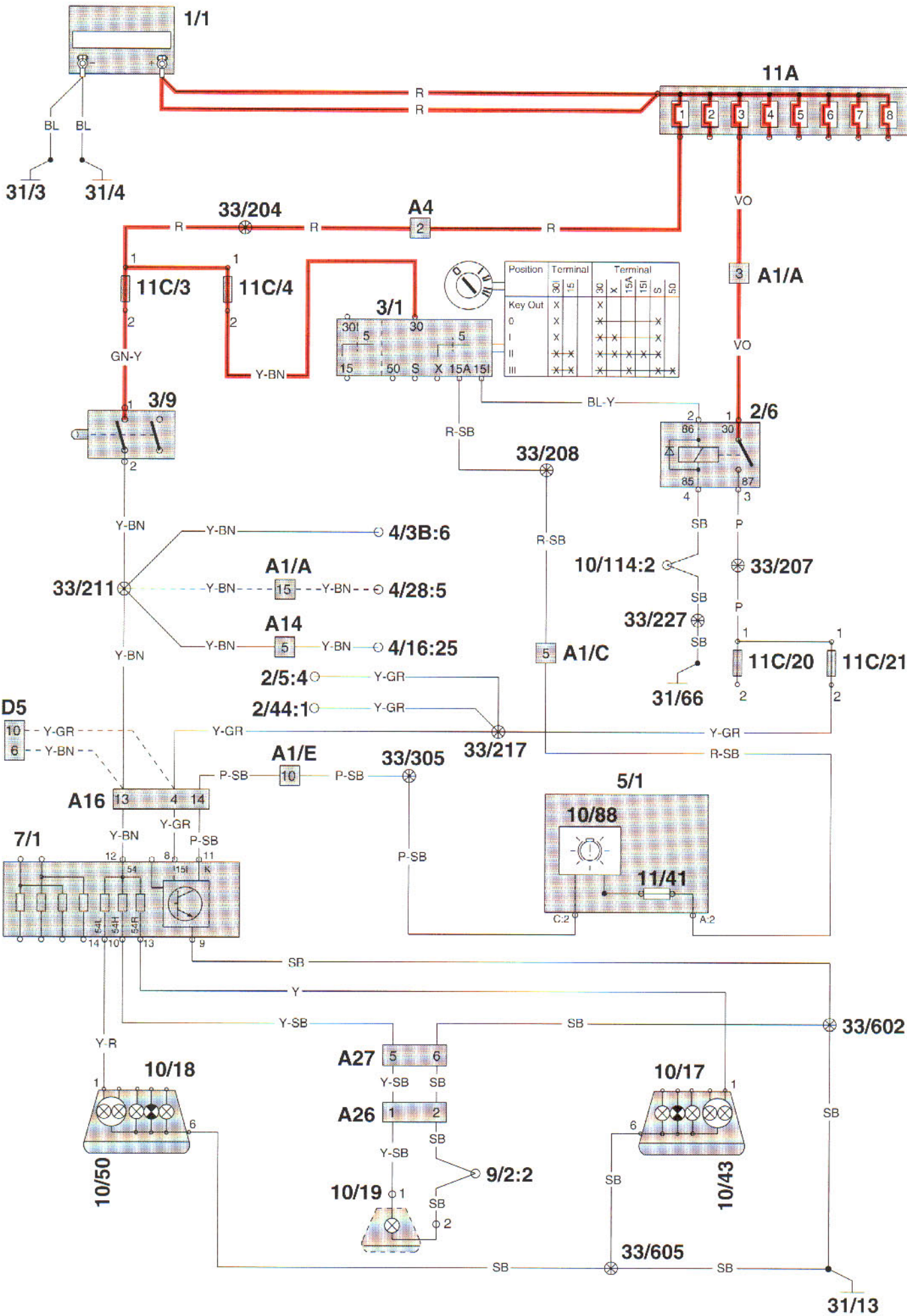


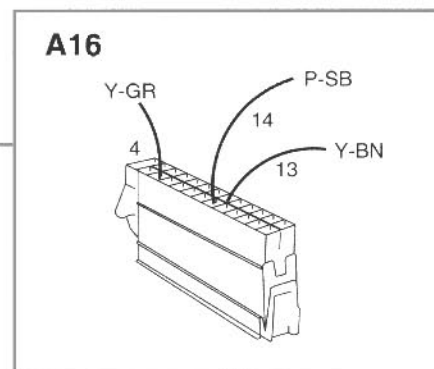
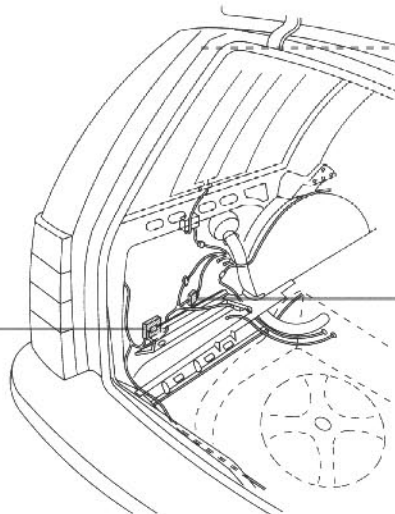
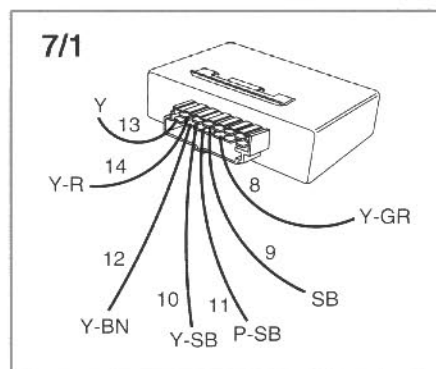
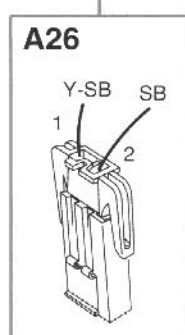
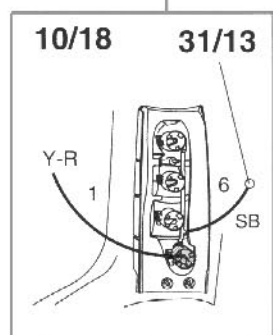
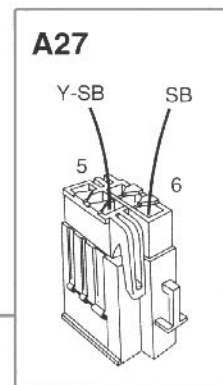
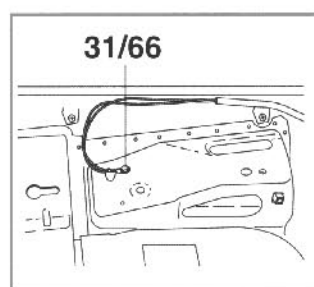
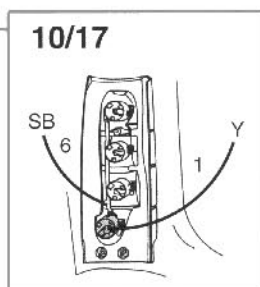
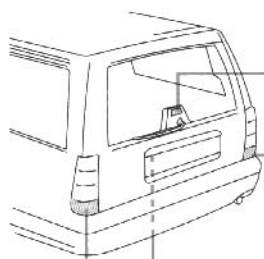
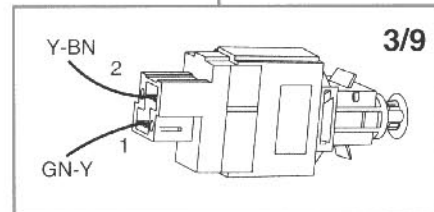
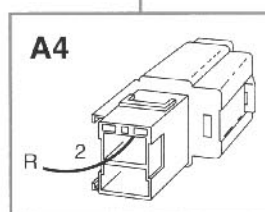
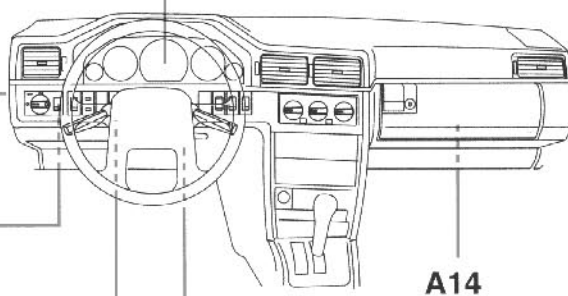
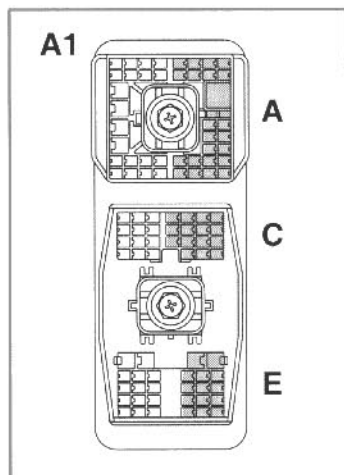
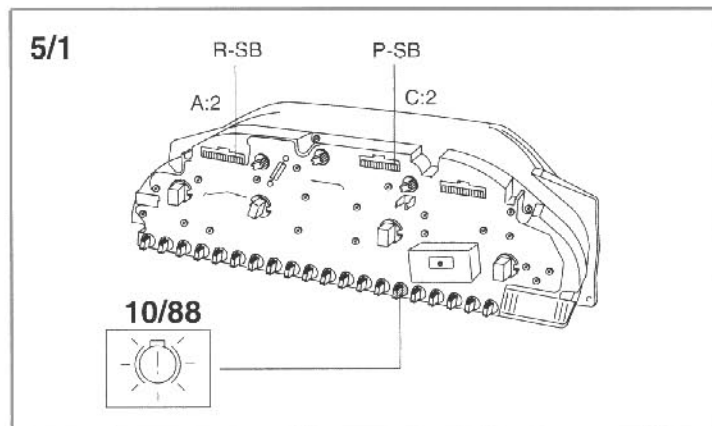
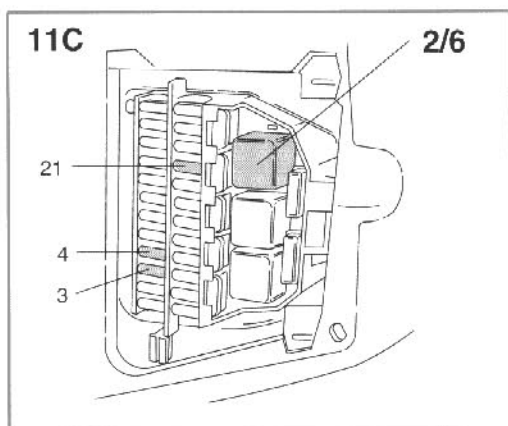
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Stop (brake) light 5-door

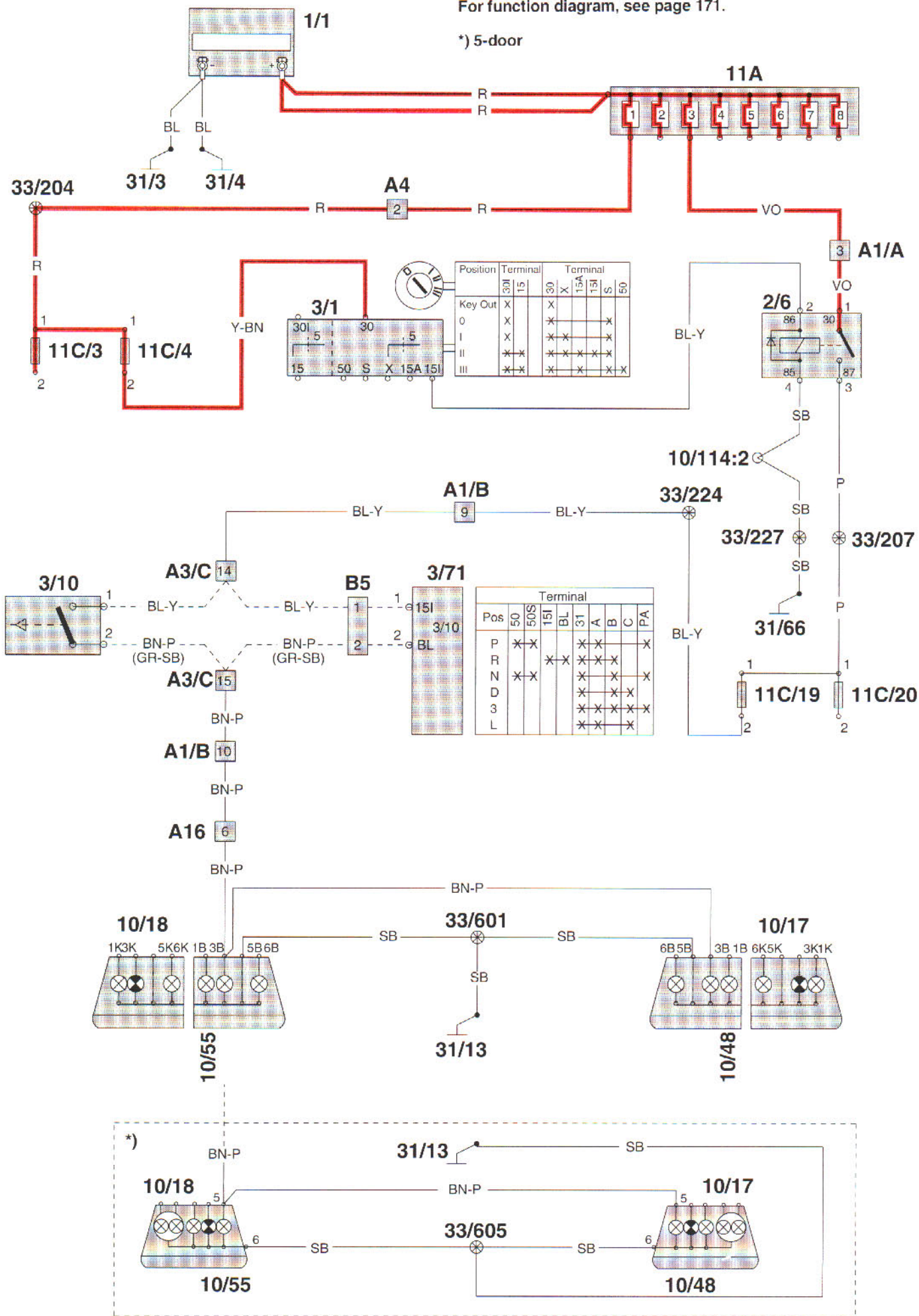


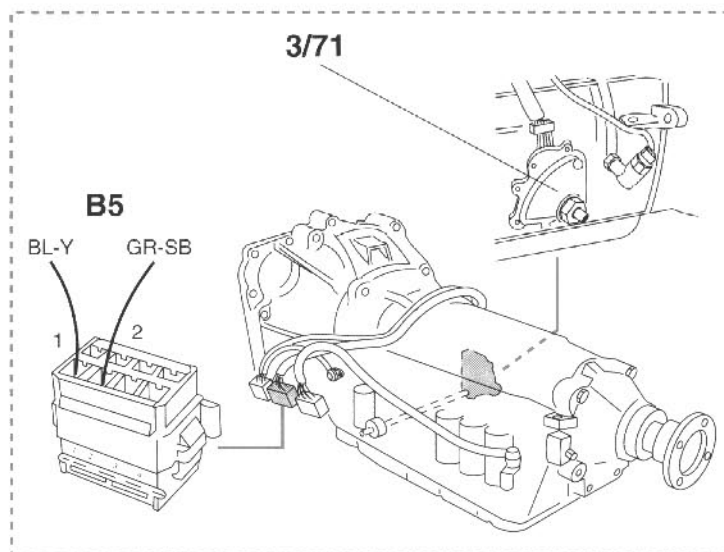
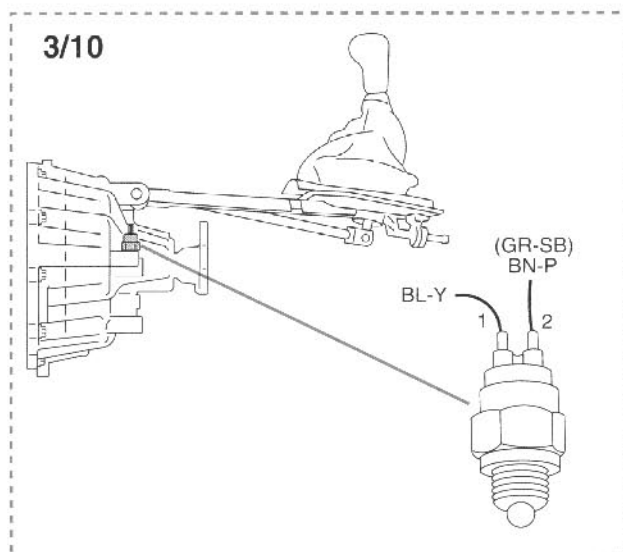
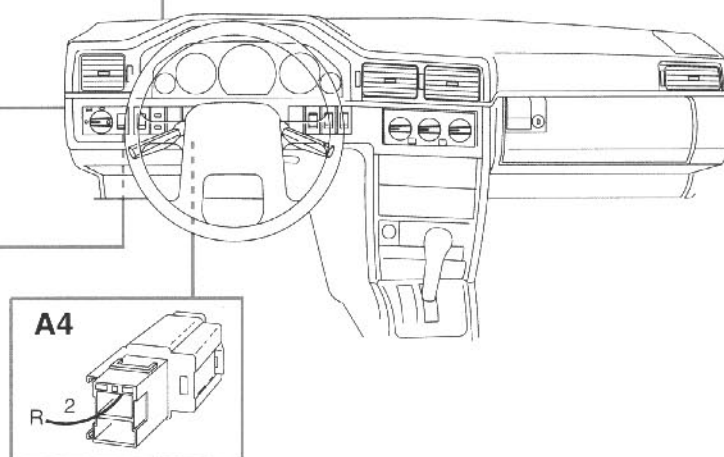
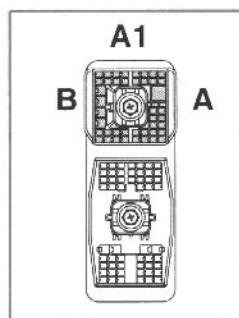
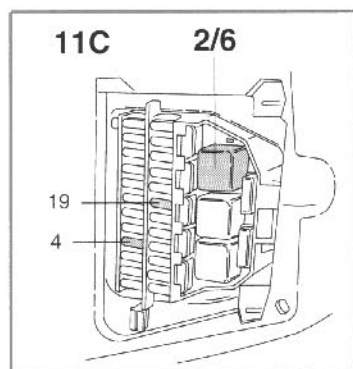
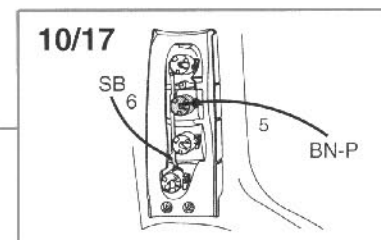
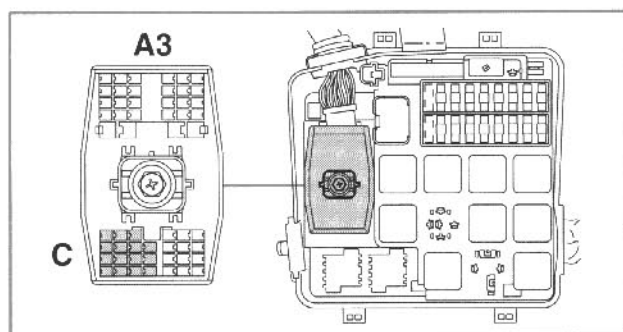
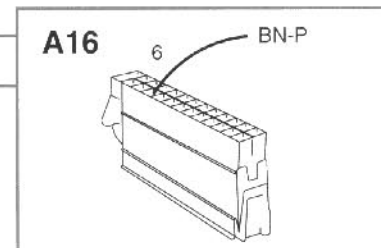
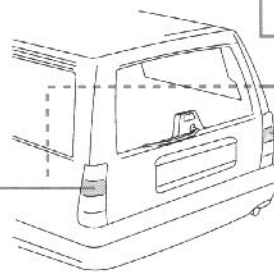
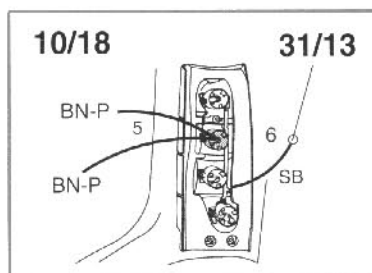
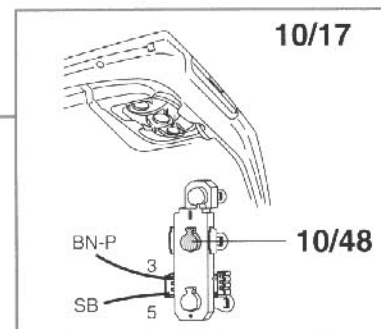
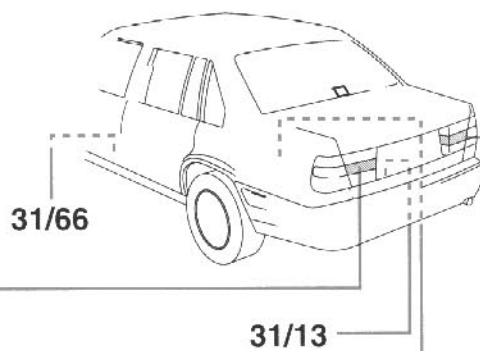
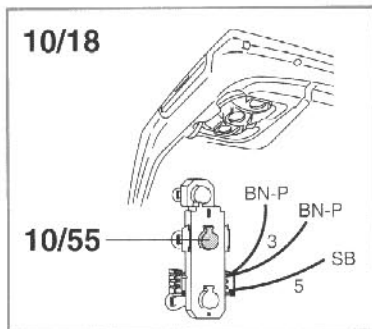


Backup (reversing) light

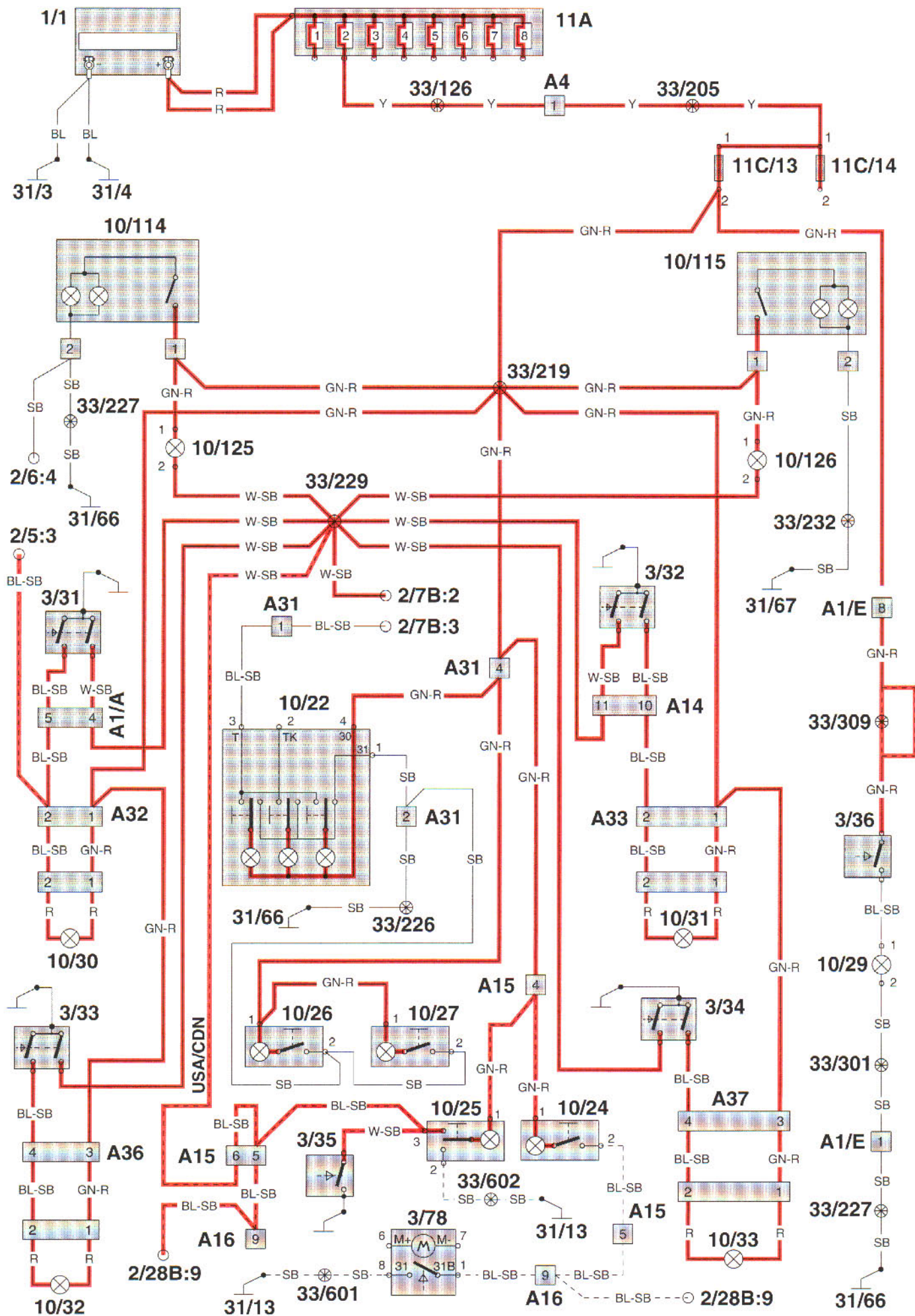
For function diagram, see page 171.

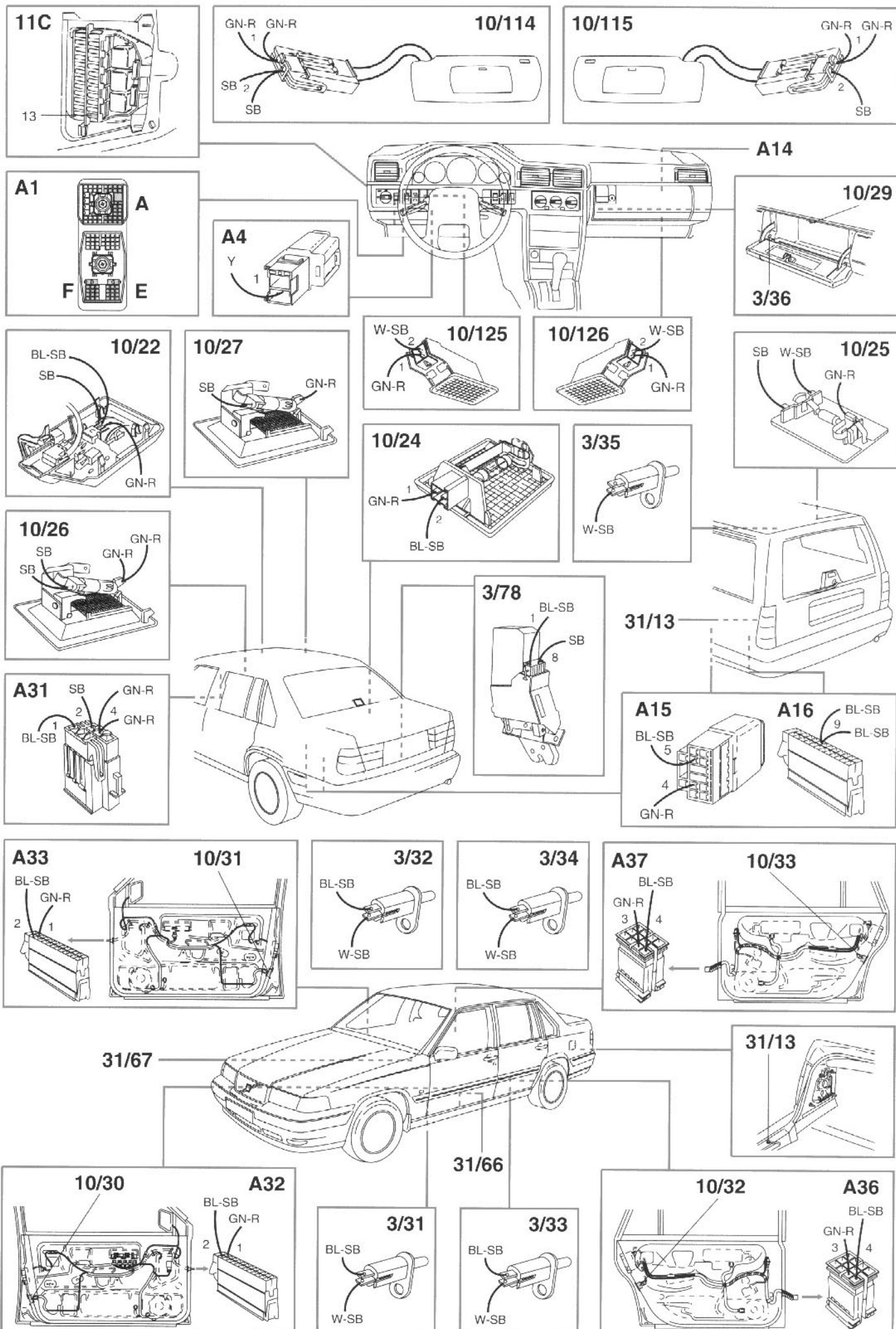
*) 5-door



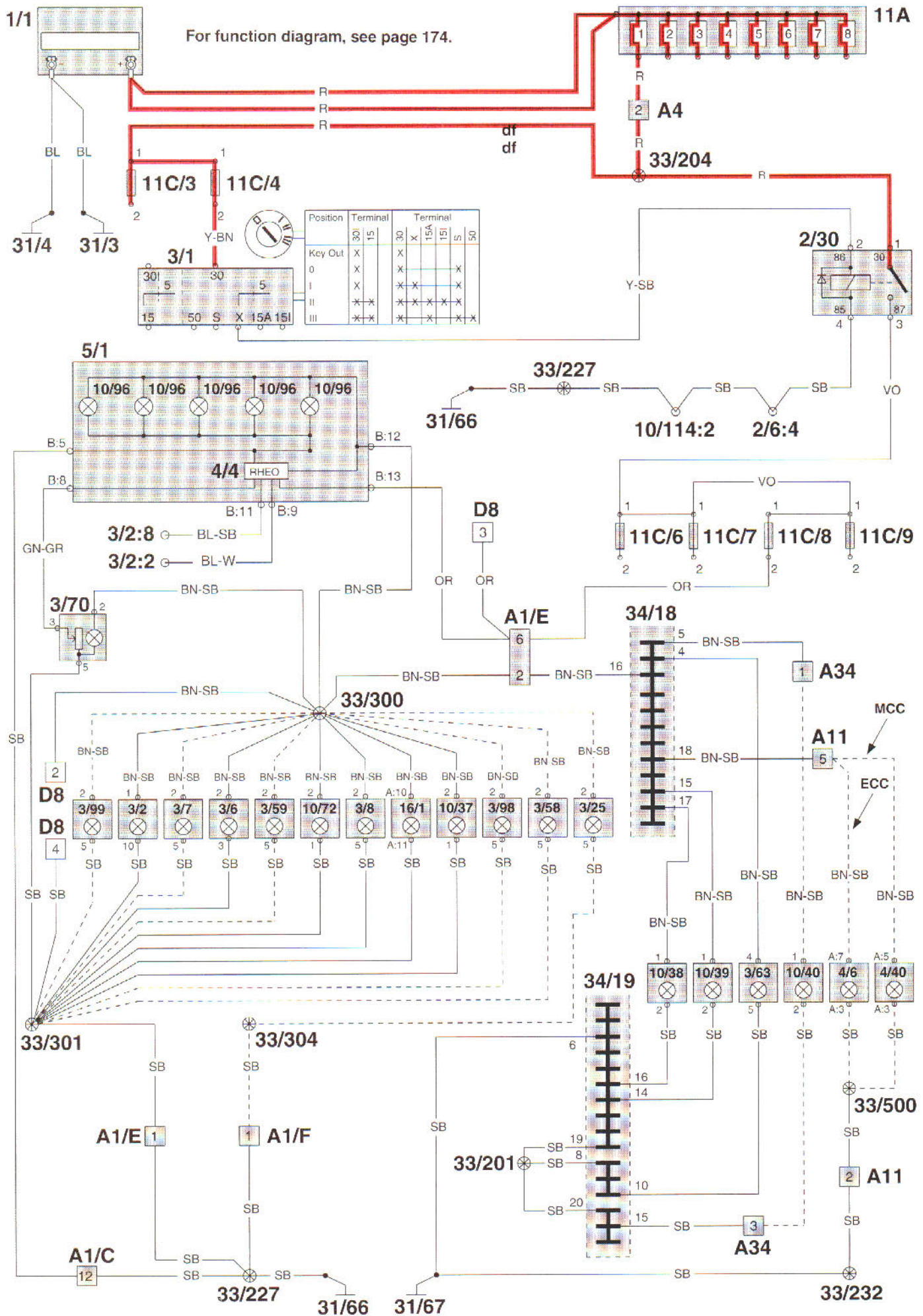


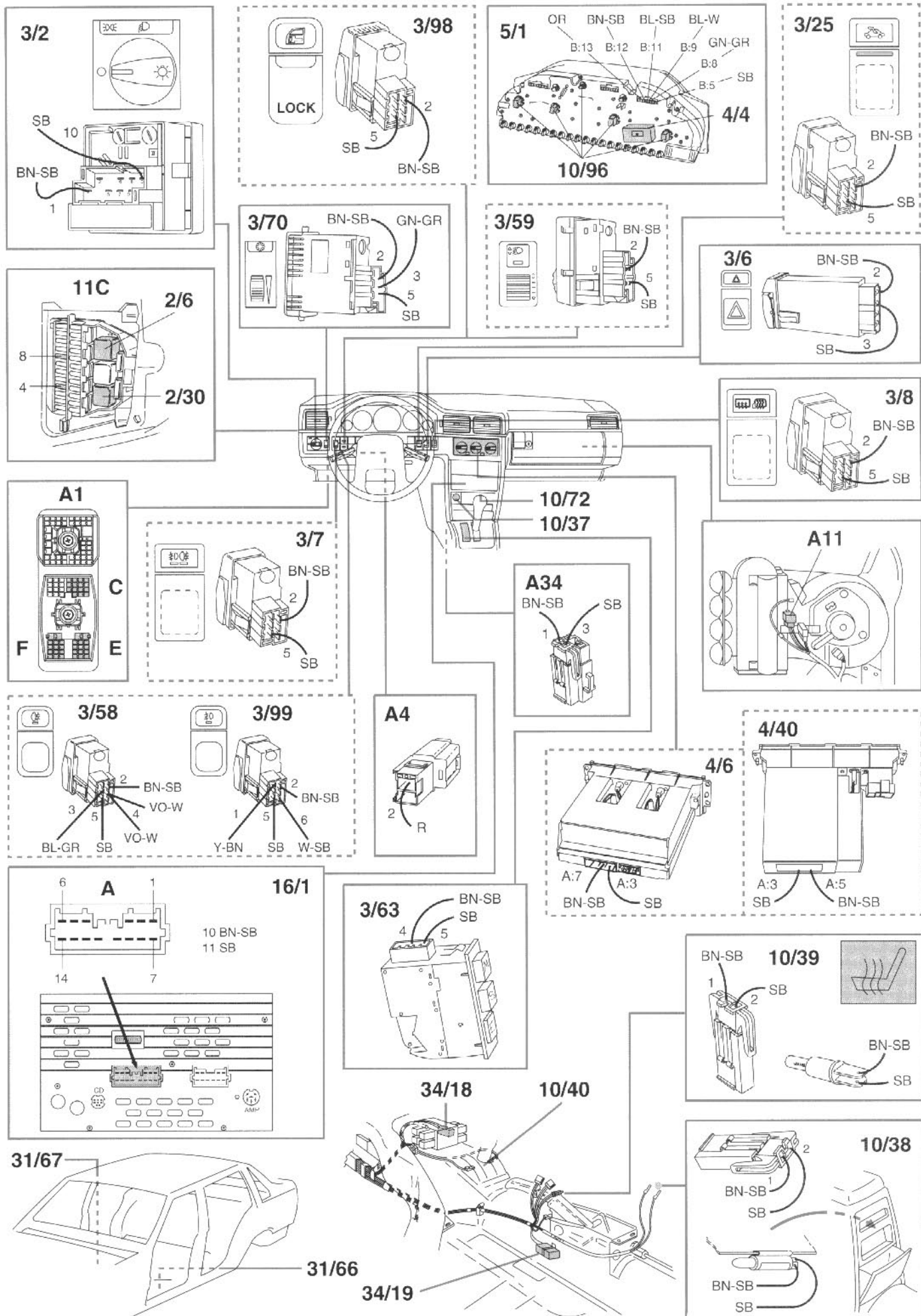
Interior, cargo area and door warning lights





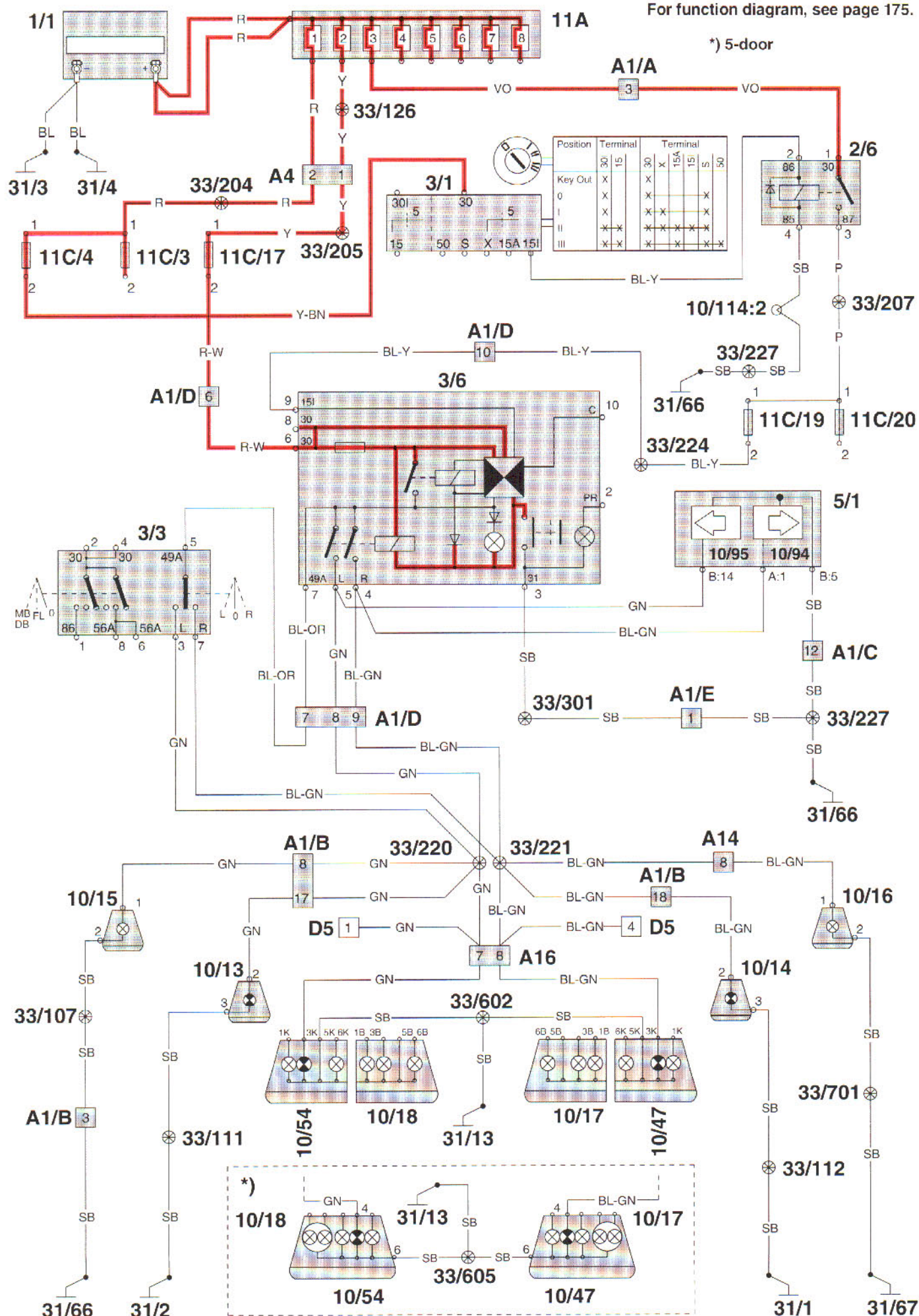
Instrumentation and controls lighting

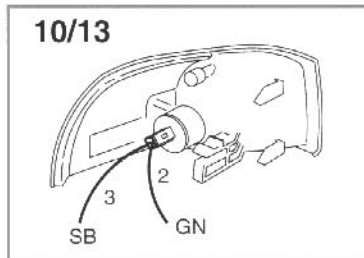
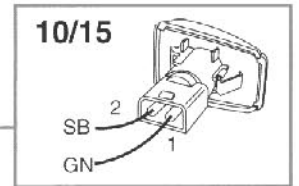
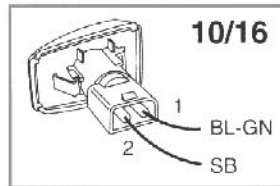
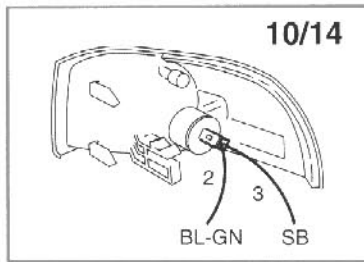




Turn indicator signal, hazard flashers

For function diagram, see page 175.



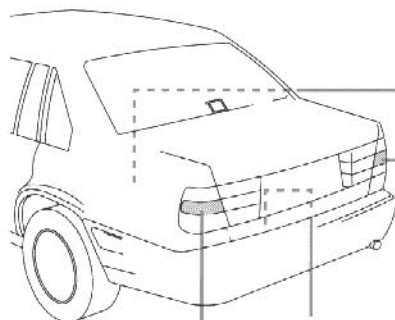
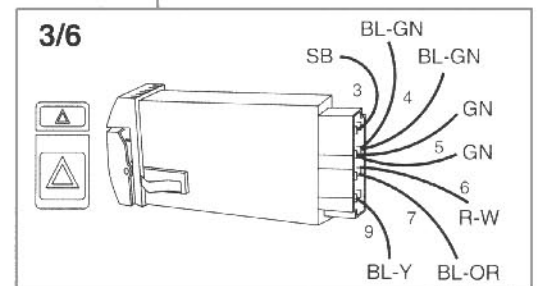
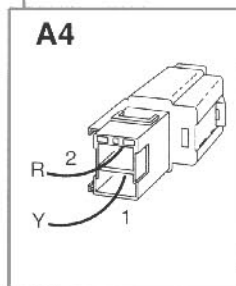
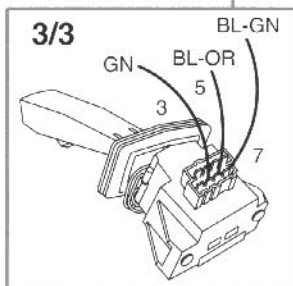
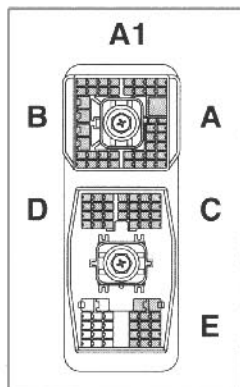
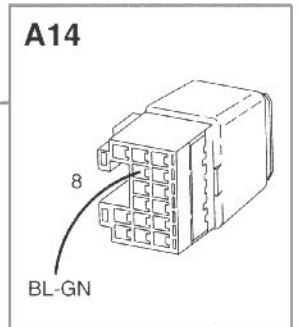
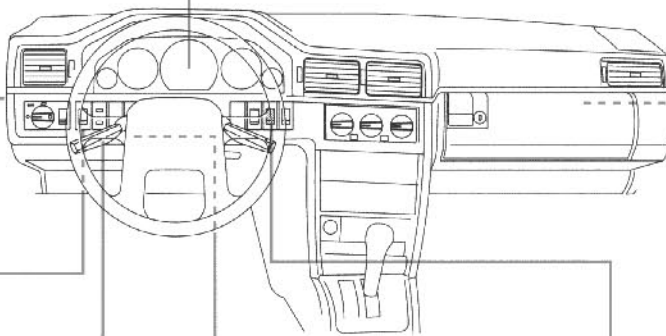
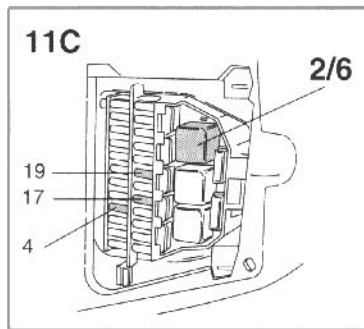
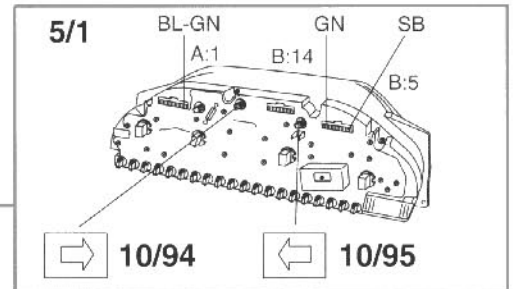


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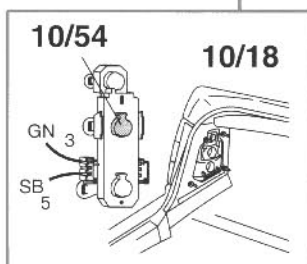
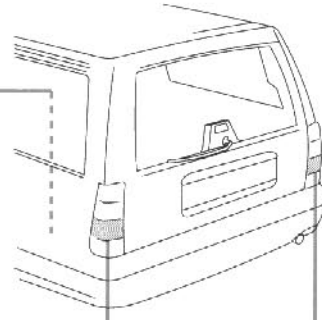
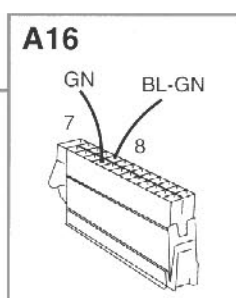
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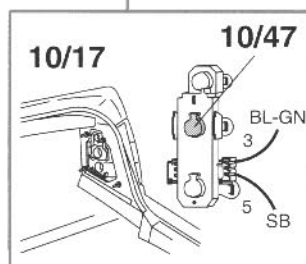
31/2



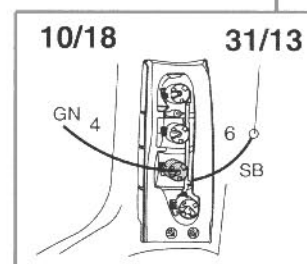
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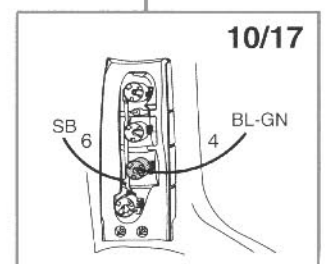
10/18



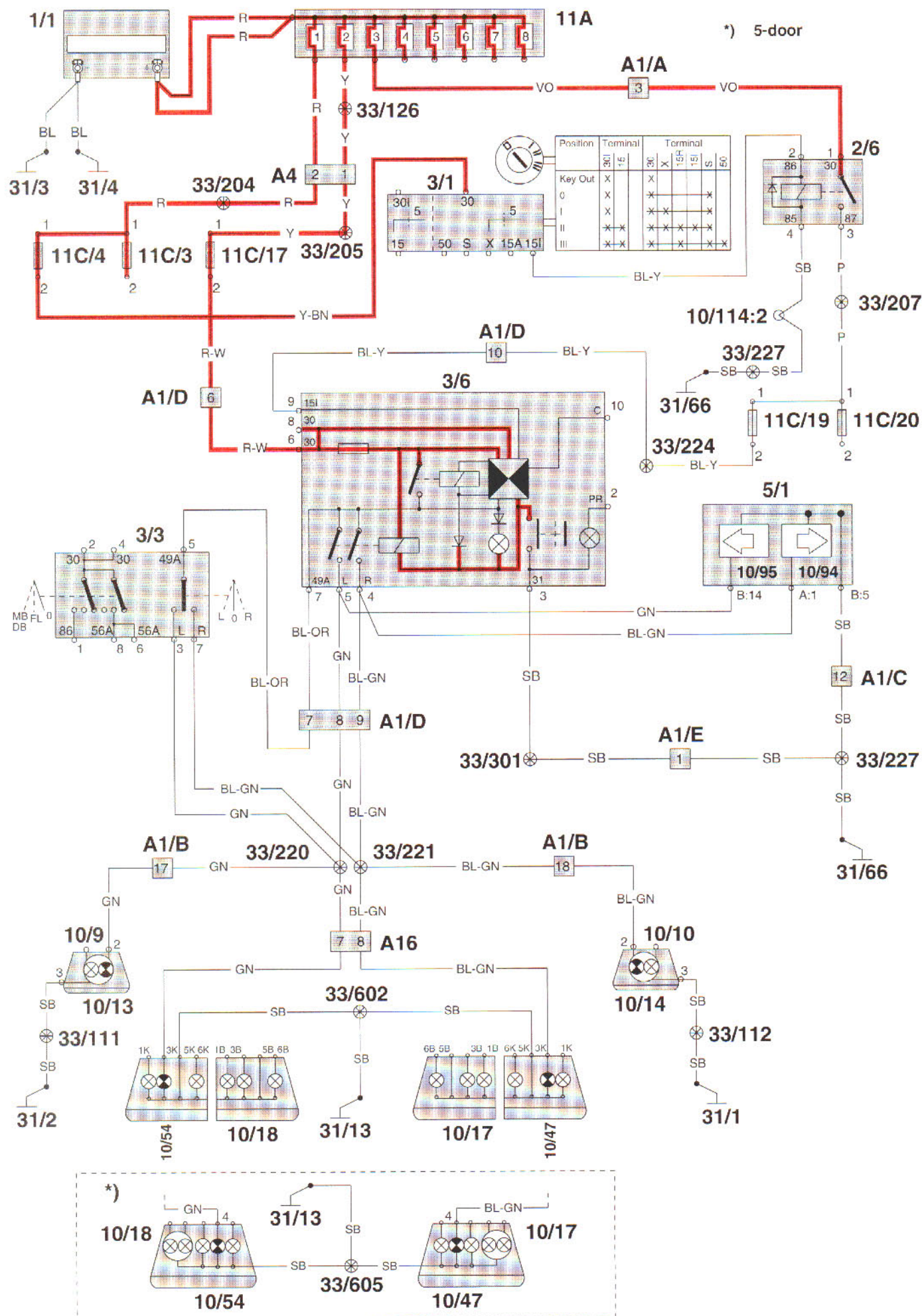
10/47

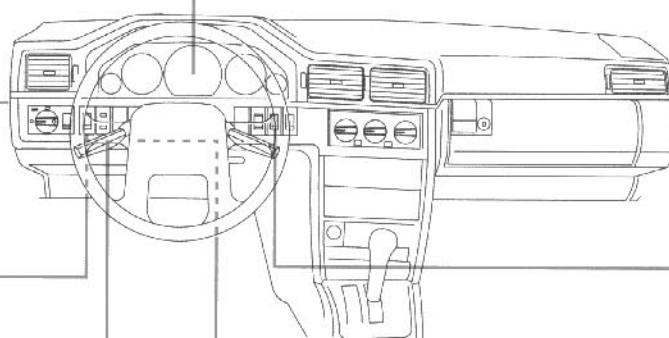
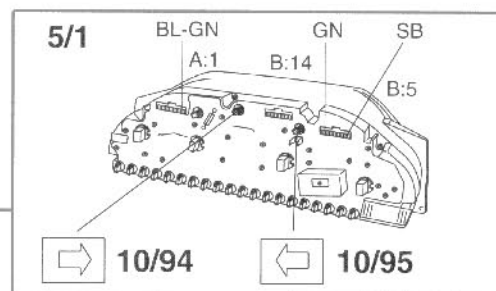
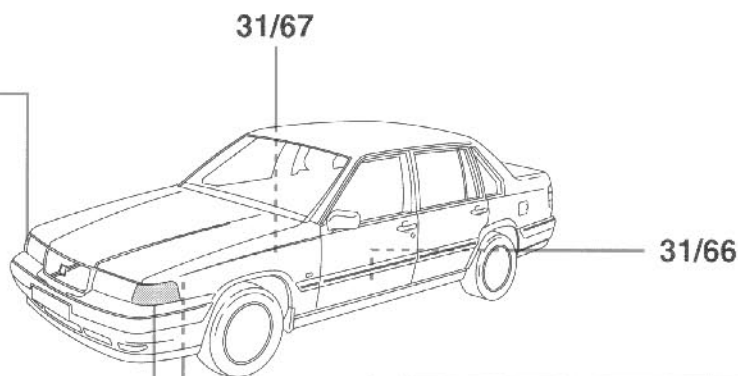
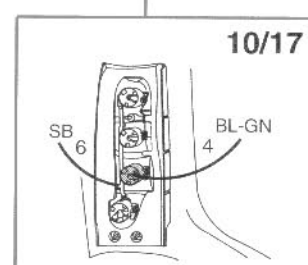
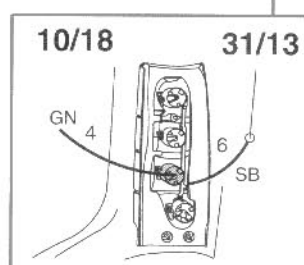
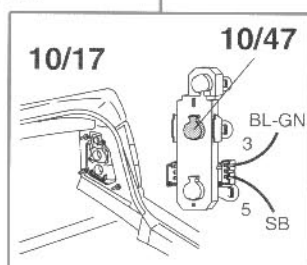
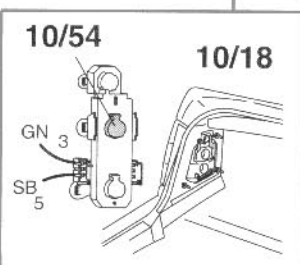
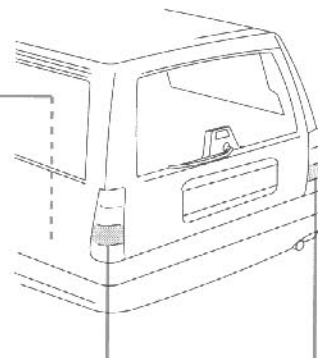
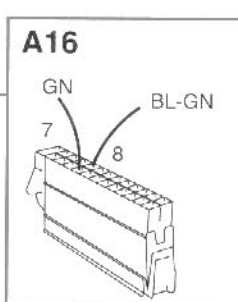
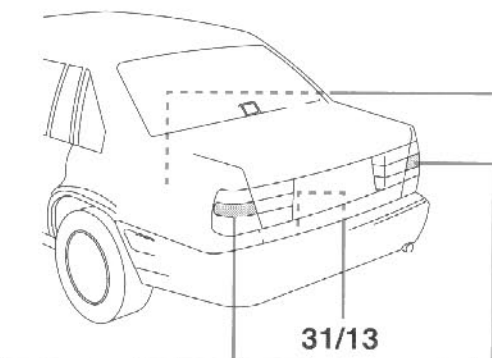
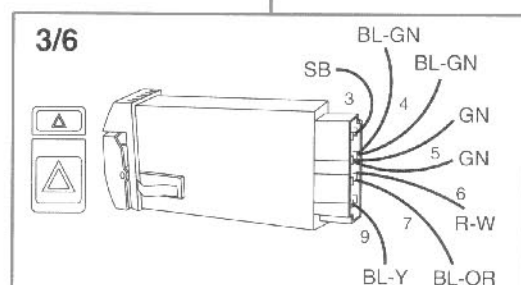
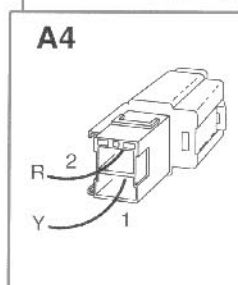
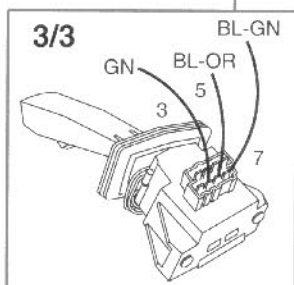
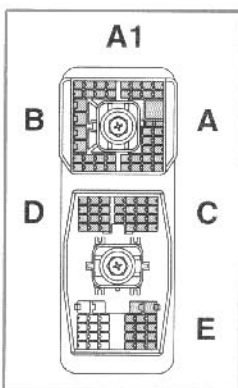
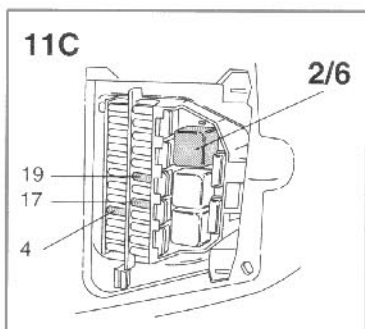
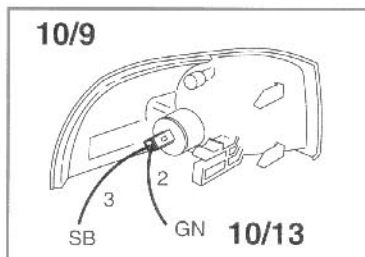
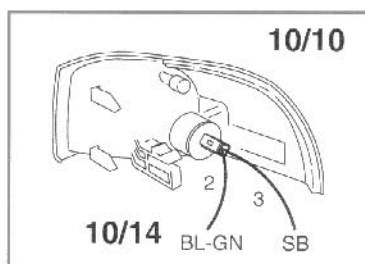


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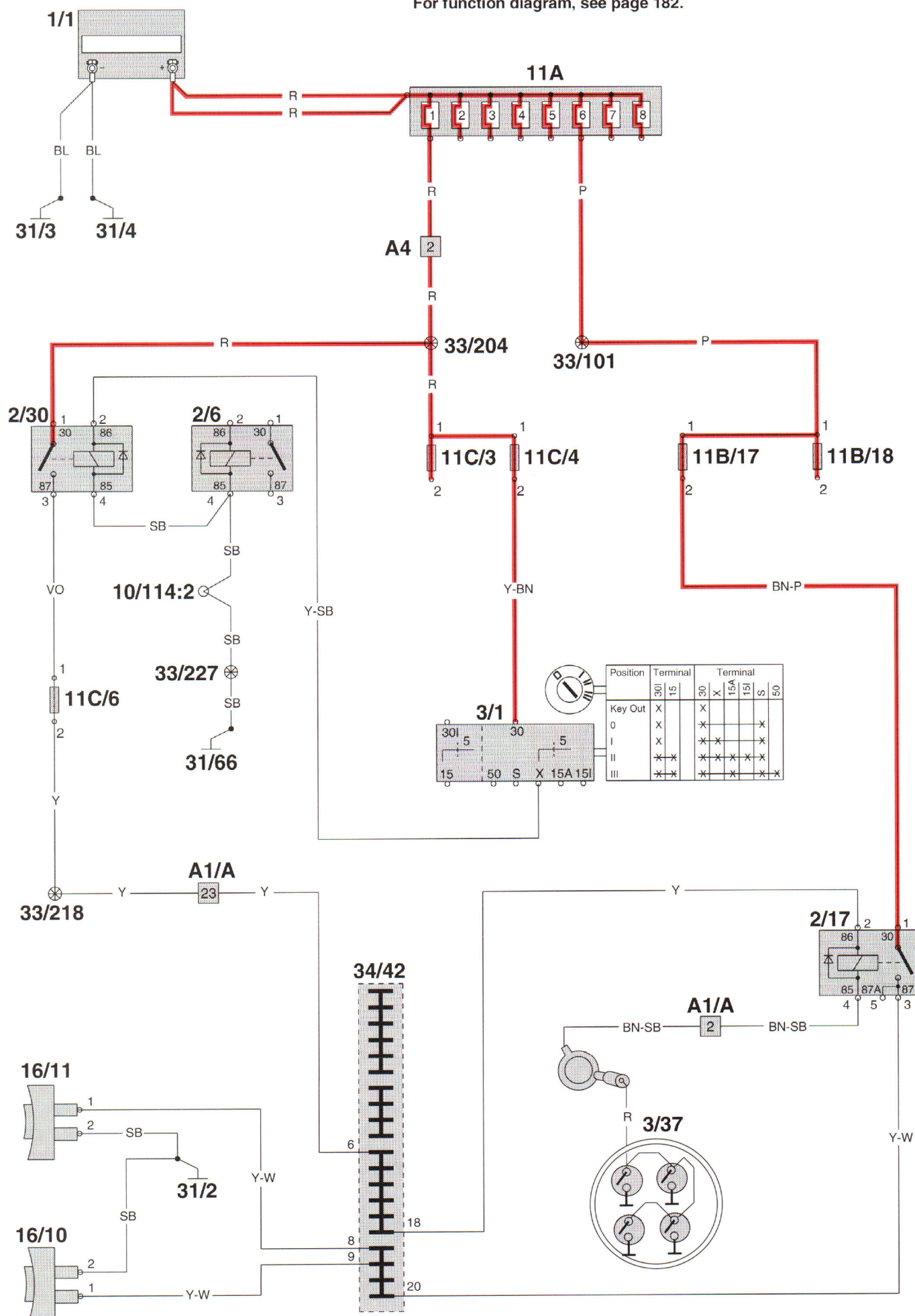
Turn indicator signal, hazard flashers USA/Canada

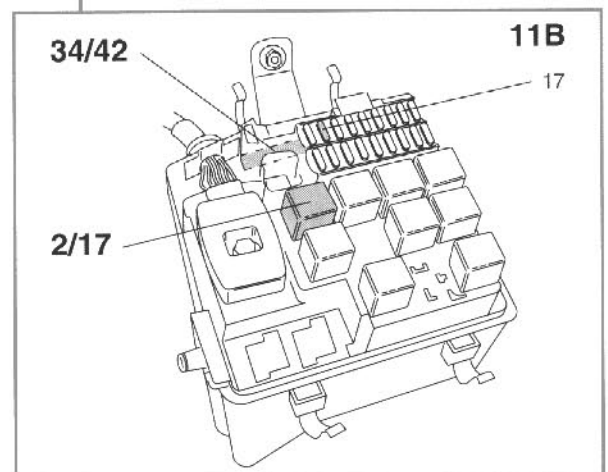
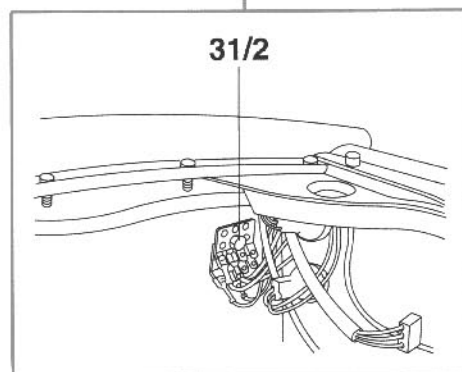
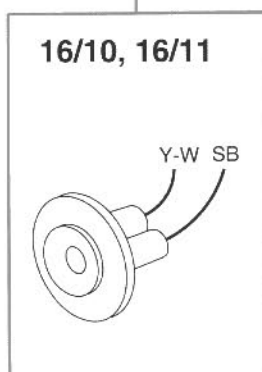
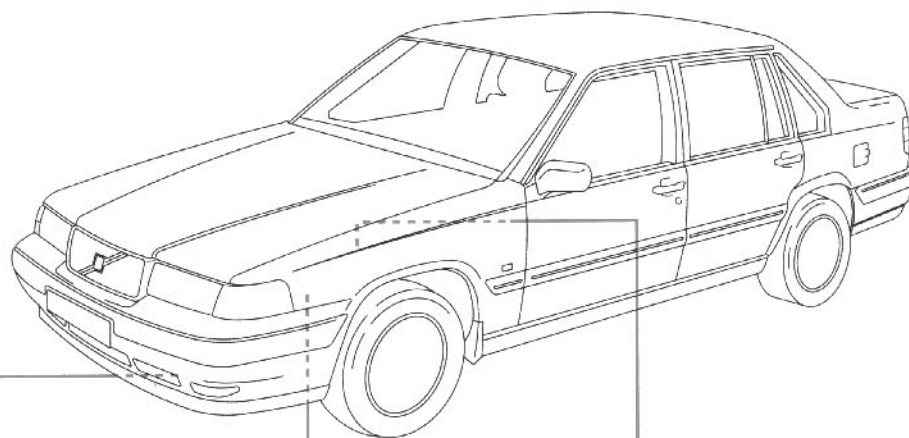
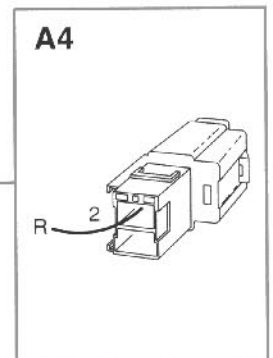
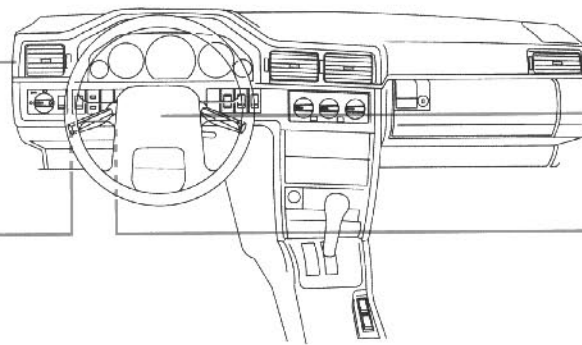
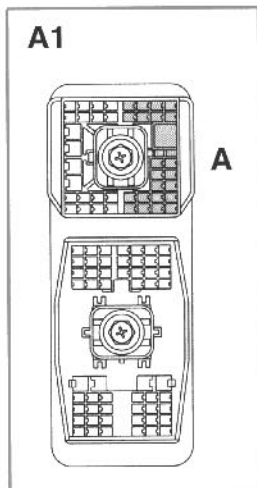
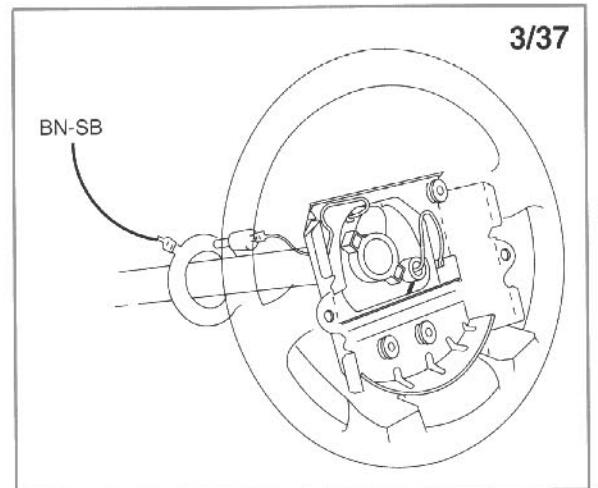
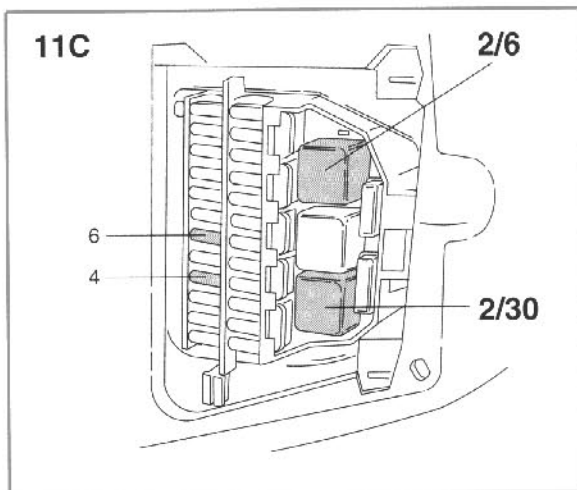




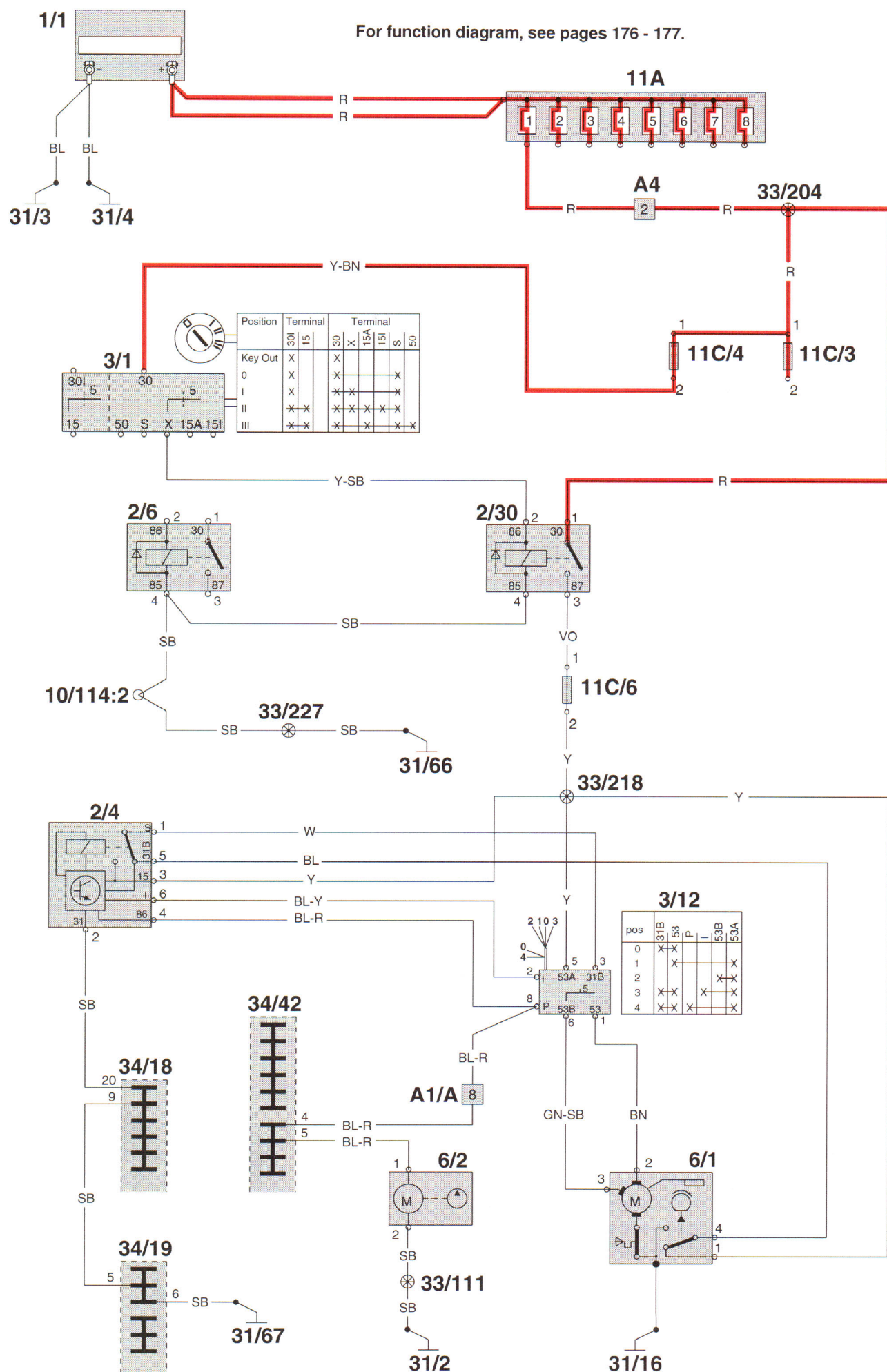
Horn

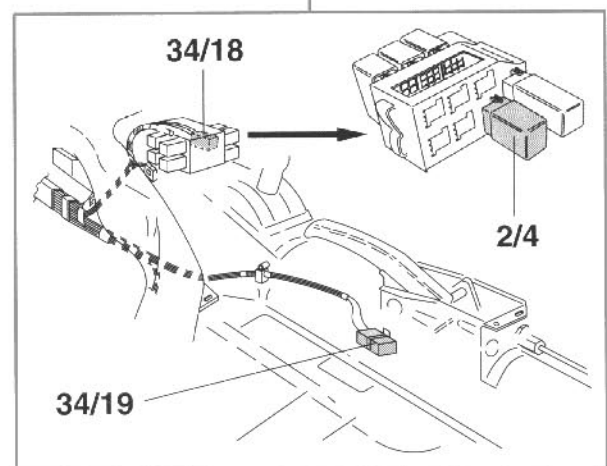
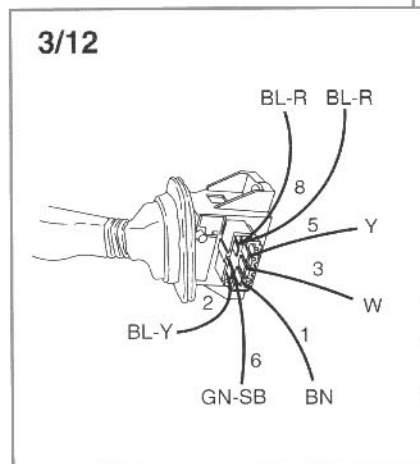
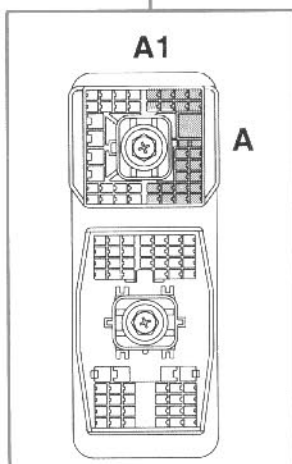
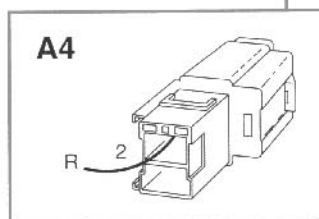
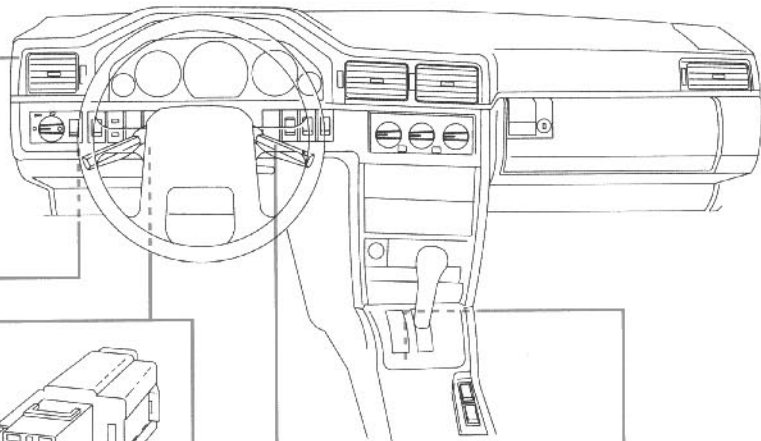
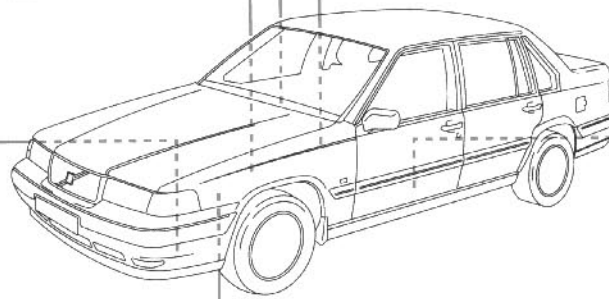
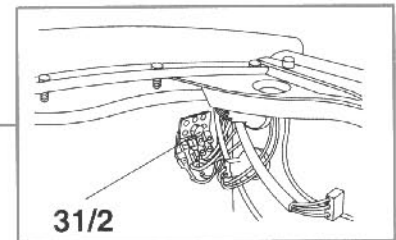
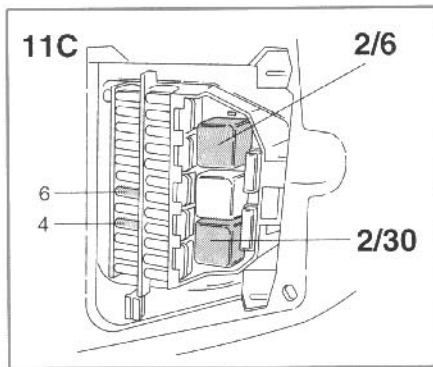
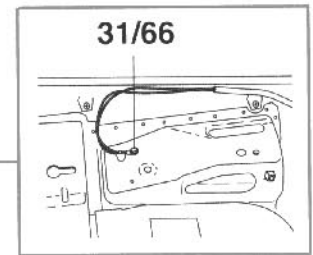
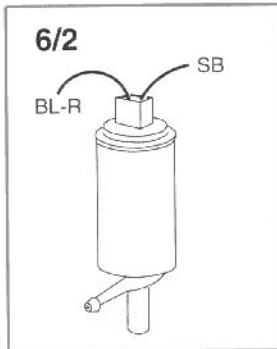
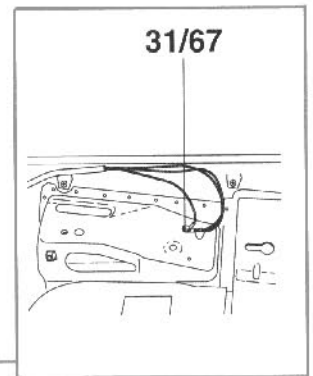
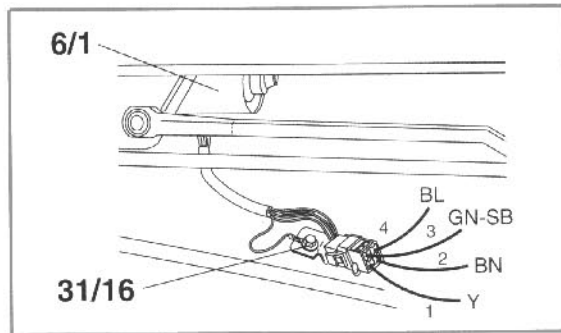
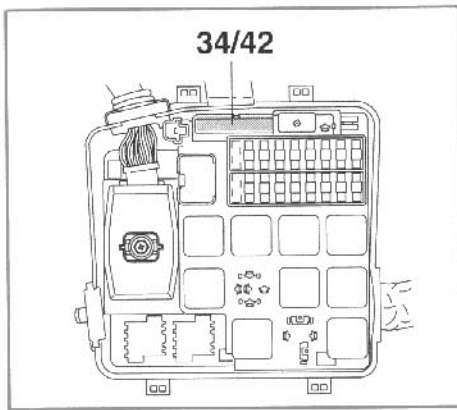
For function diagram, see page 182.





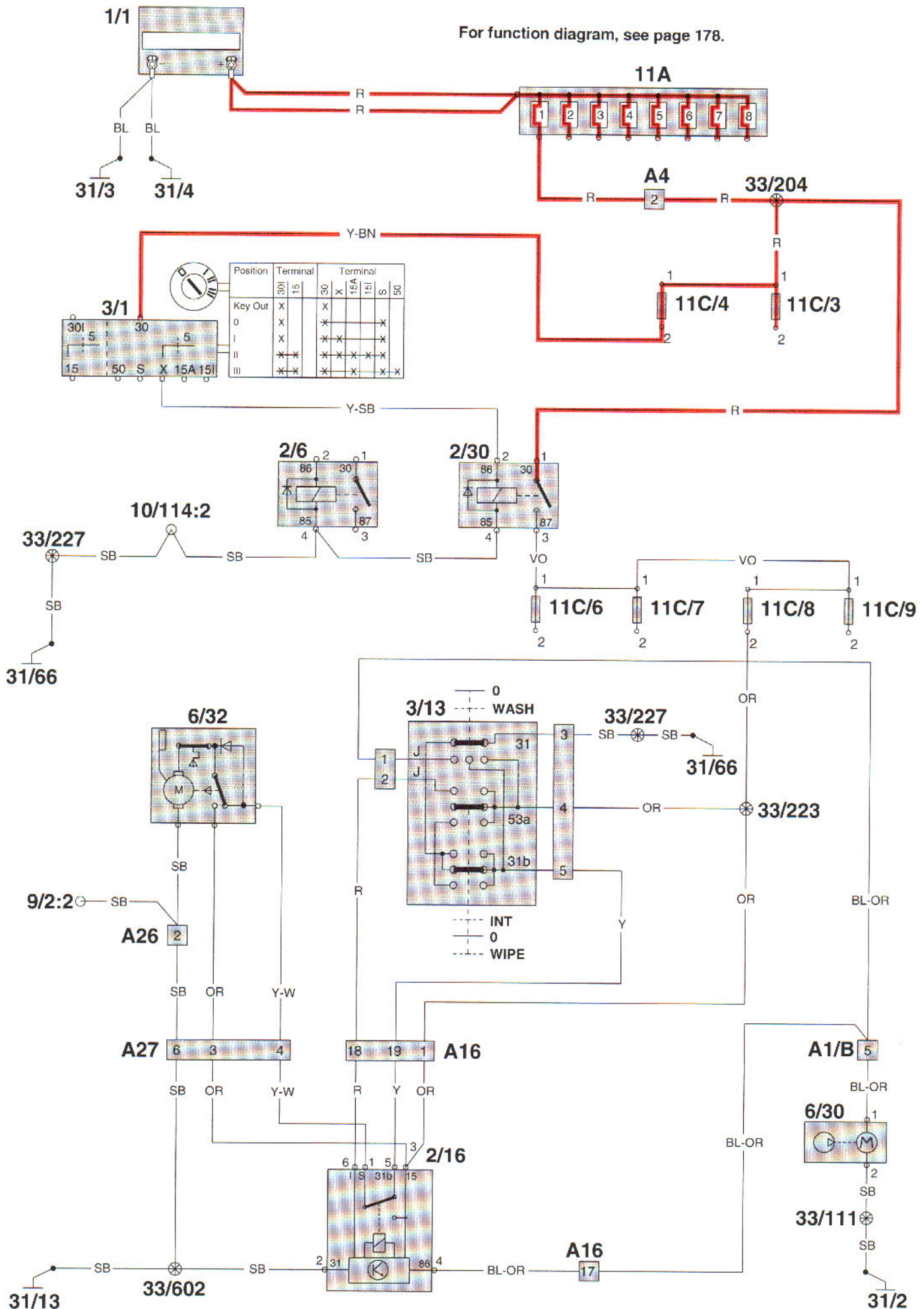
Windshield wash/wipe

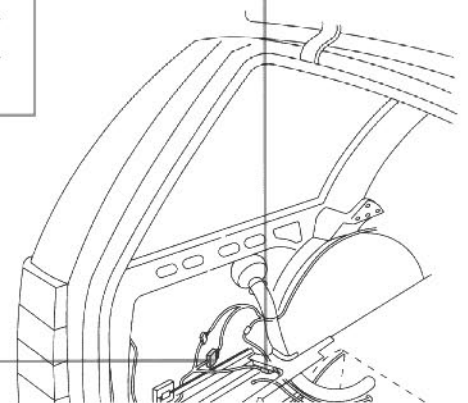
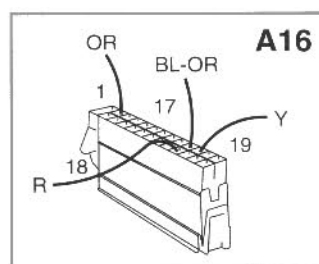
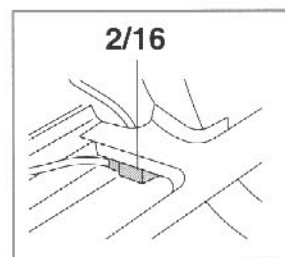
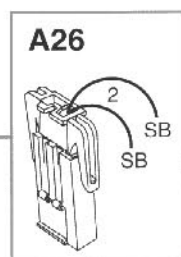
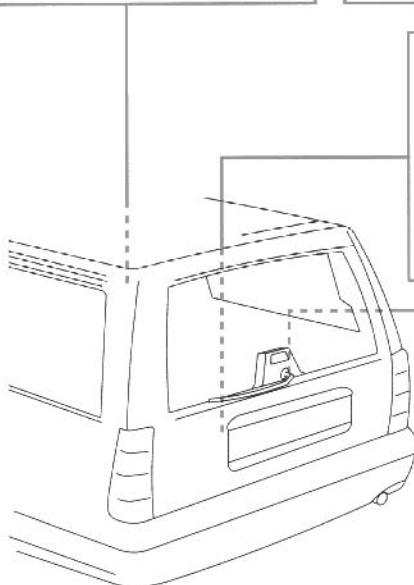
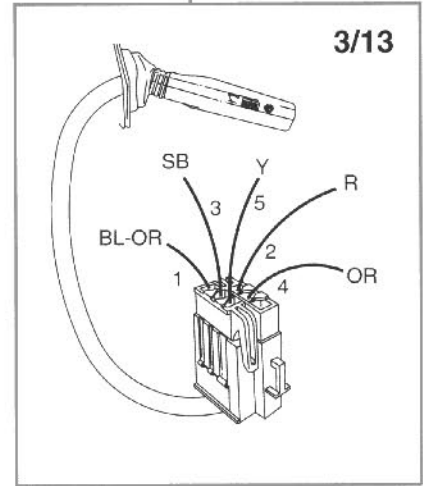
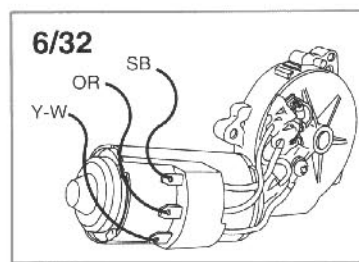
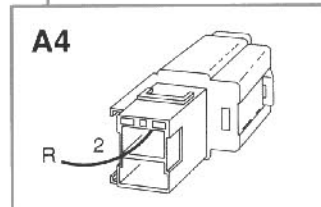
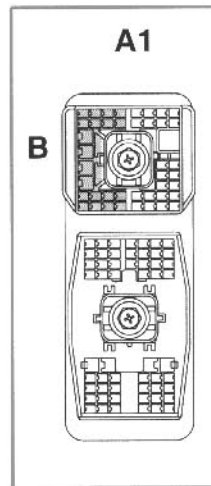
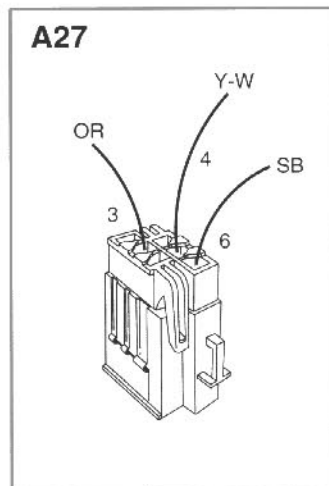
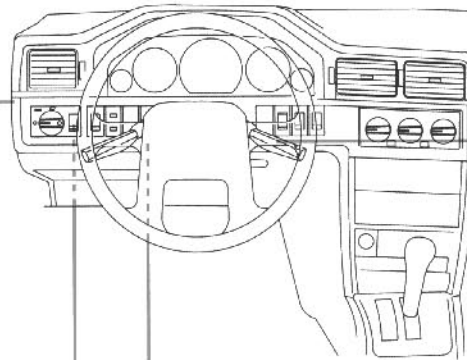
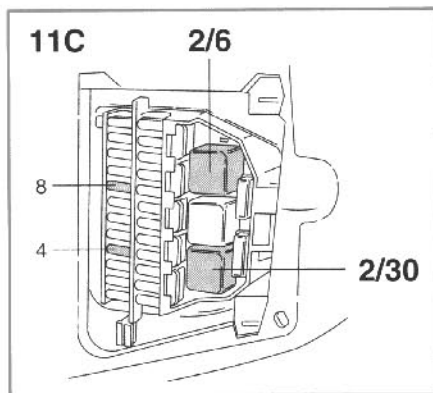
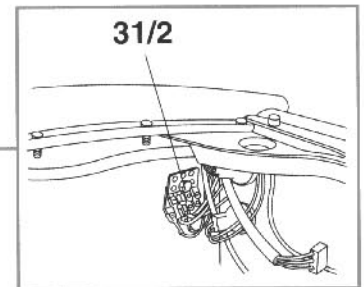
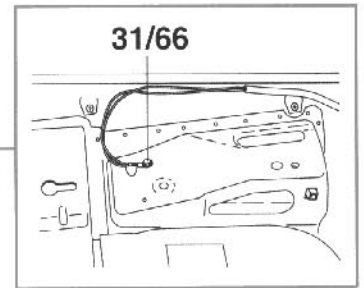
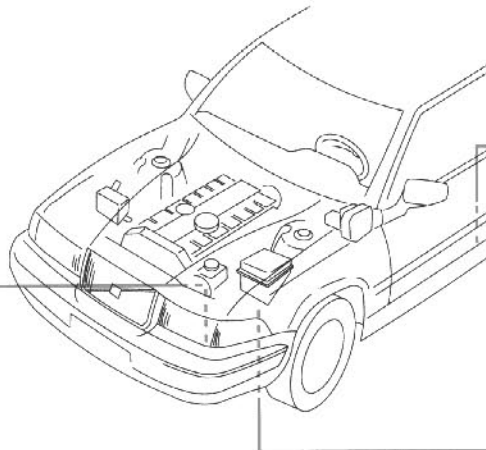
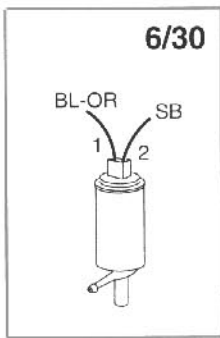




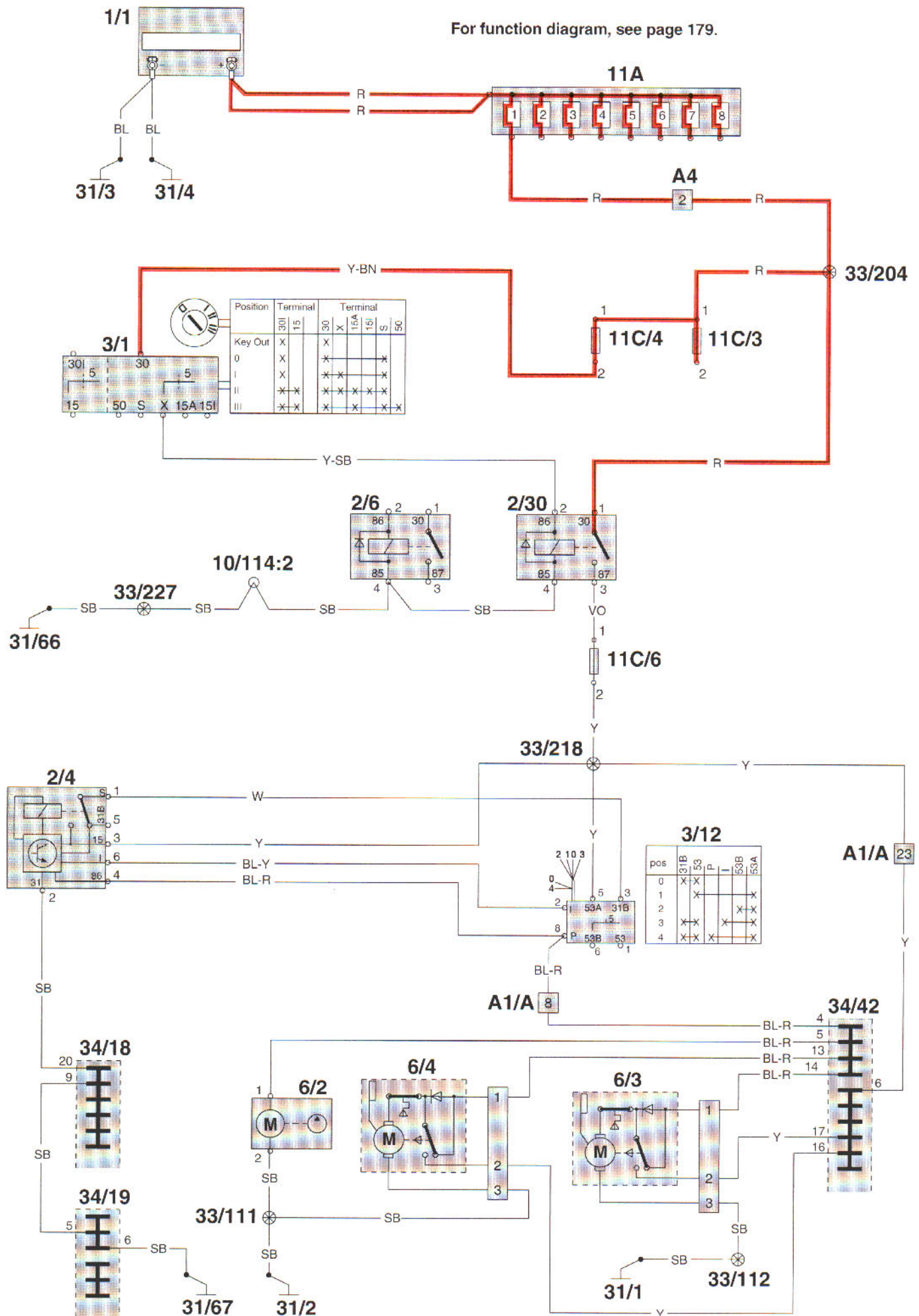
Tailgate wash/wipe

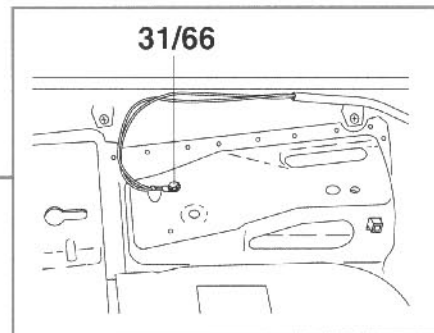
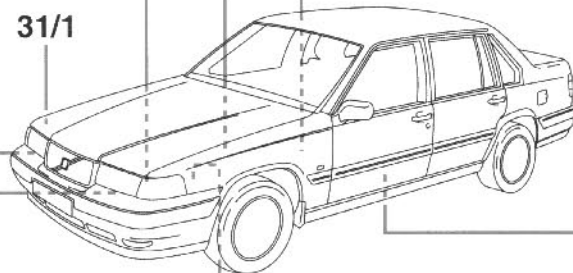
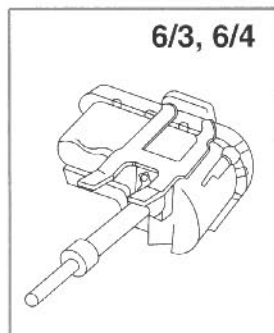
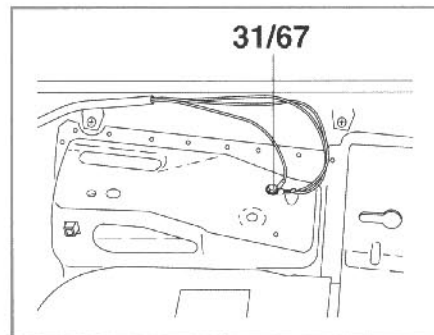
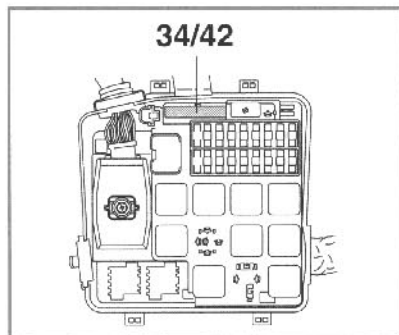
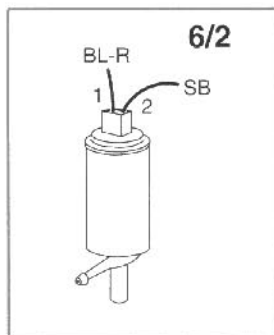
For function diagram, see page 178.



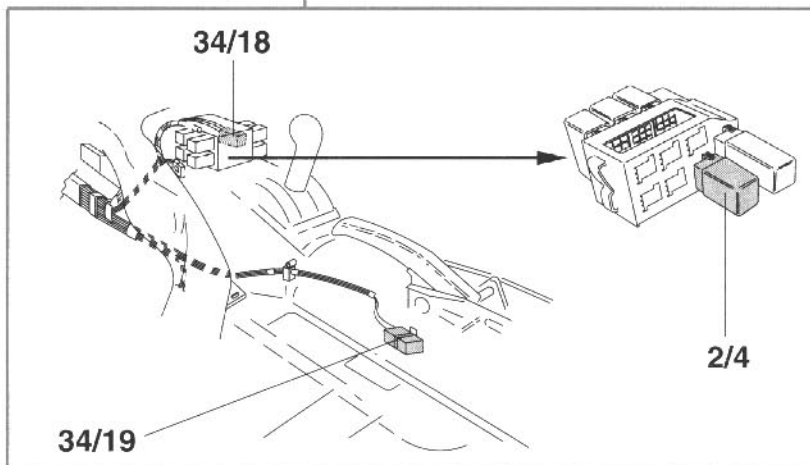
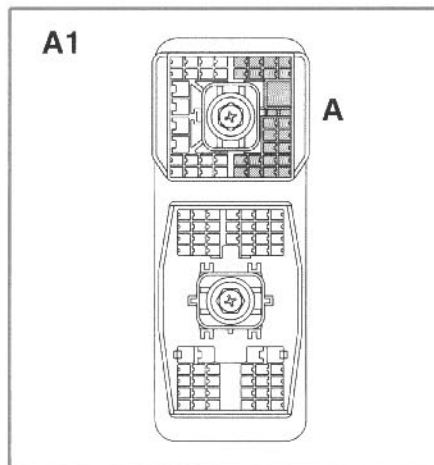
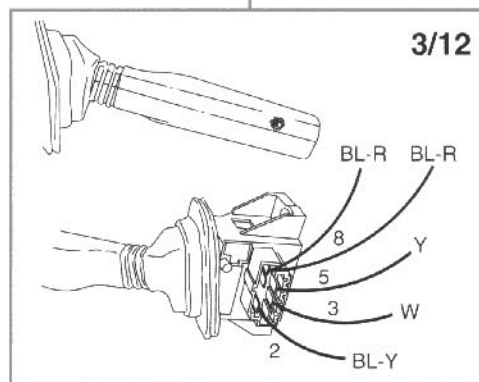
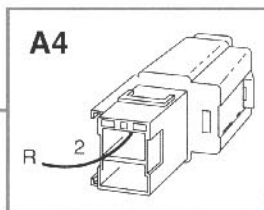
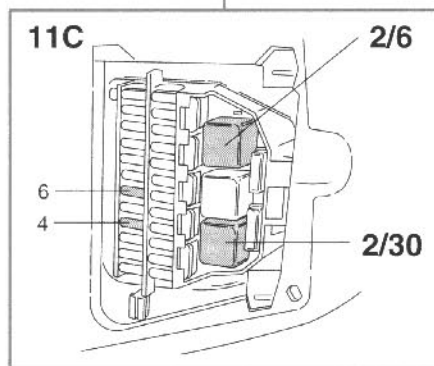
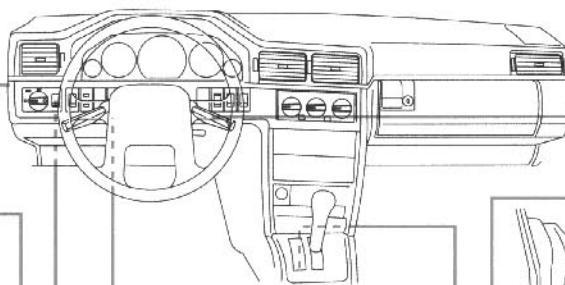


Headlamps wash/wipe

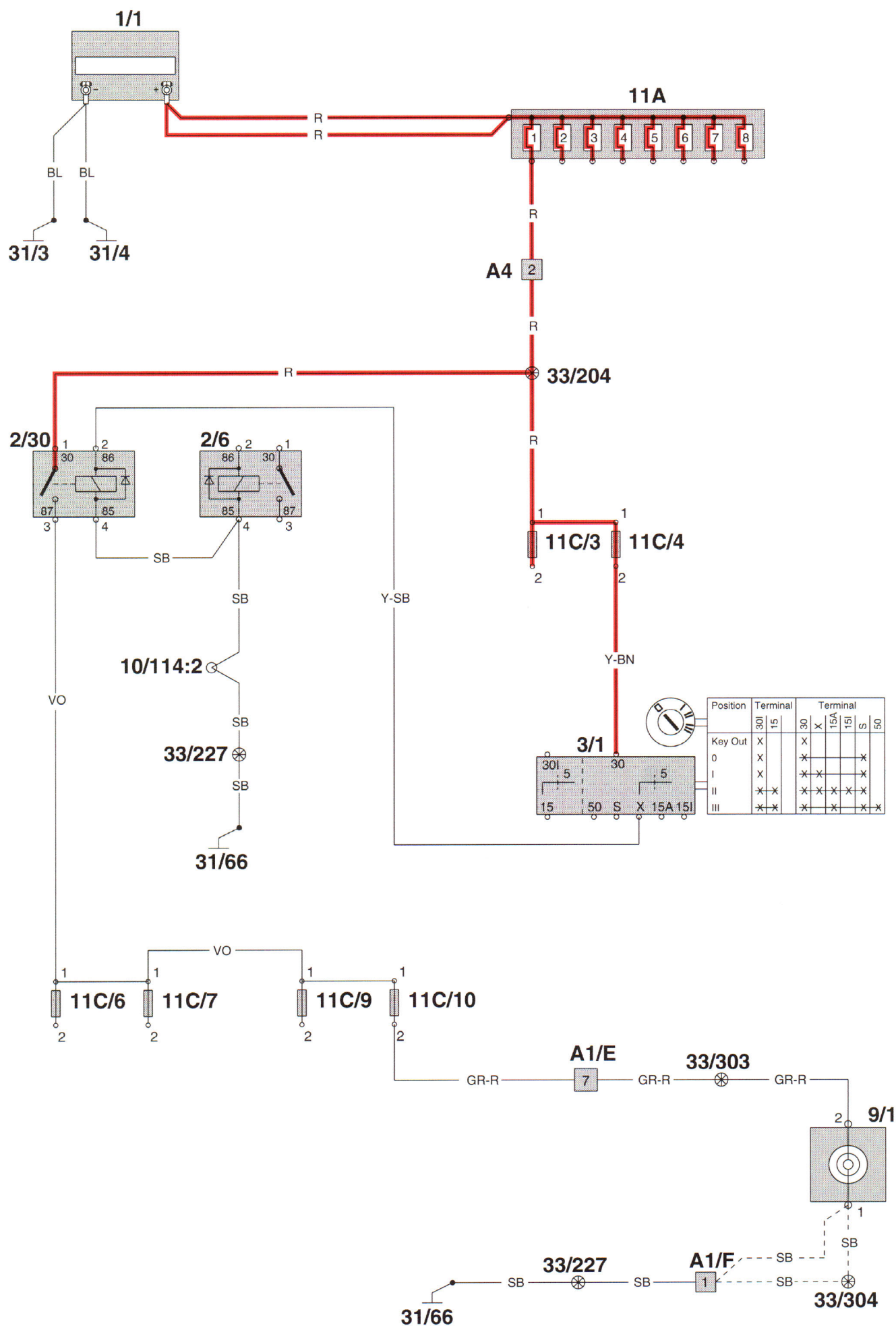


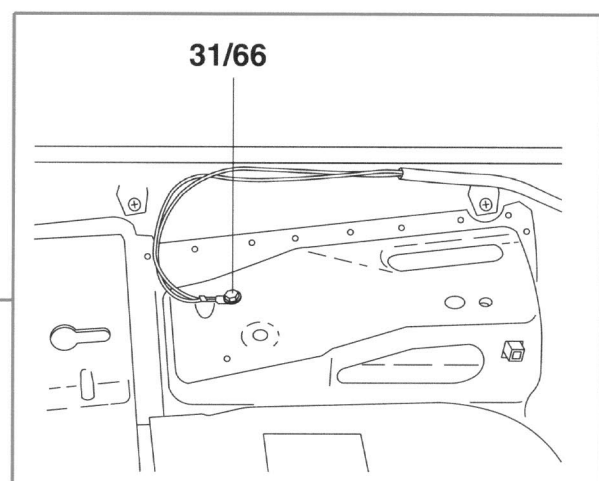
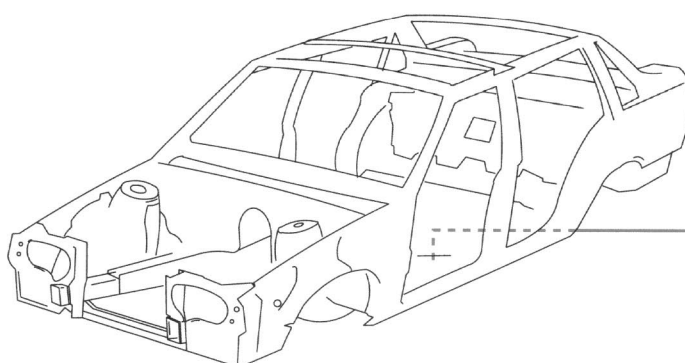
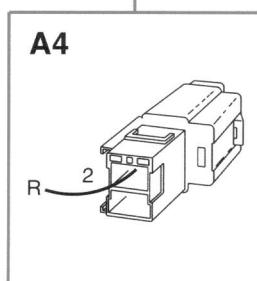
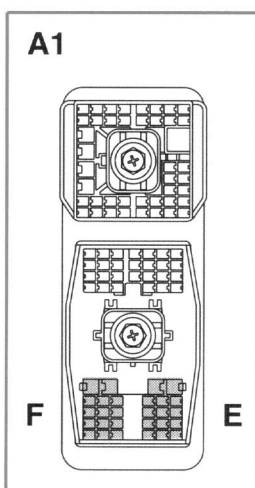
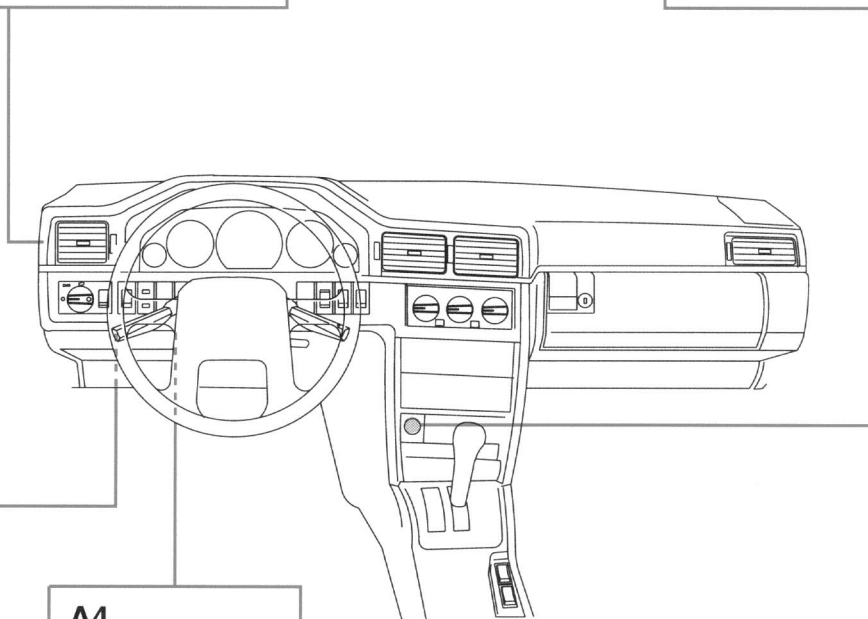
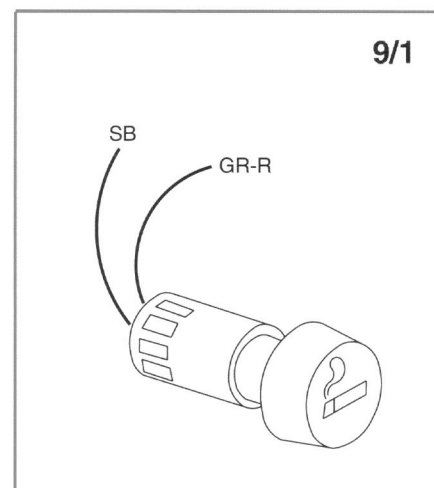
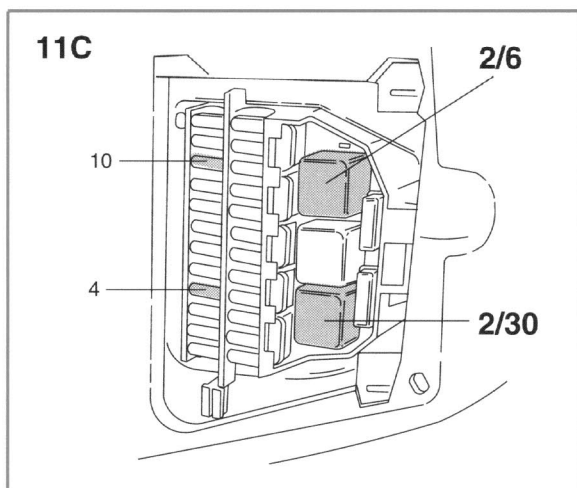


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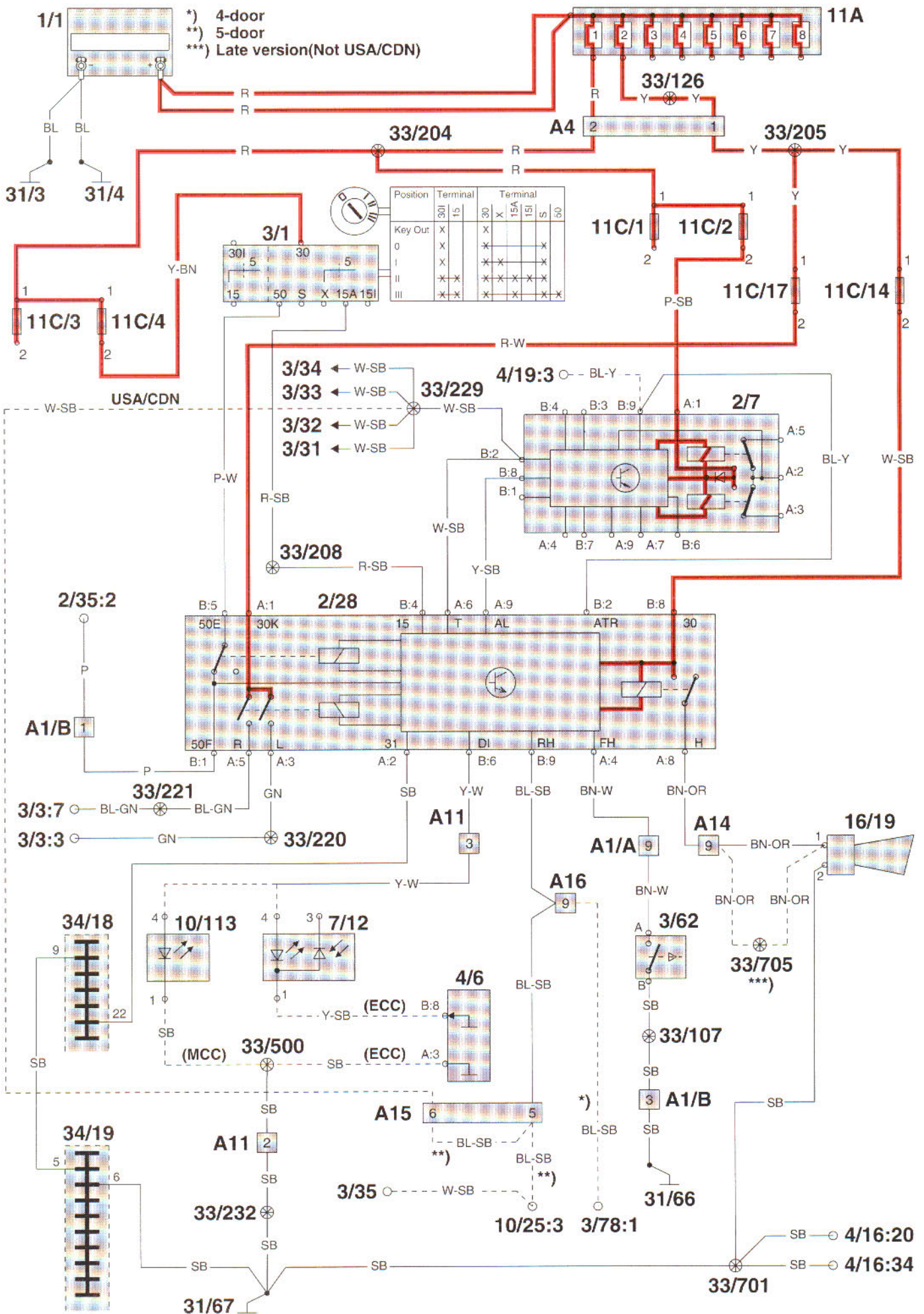


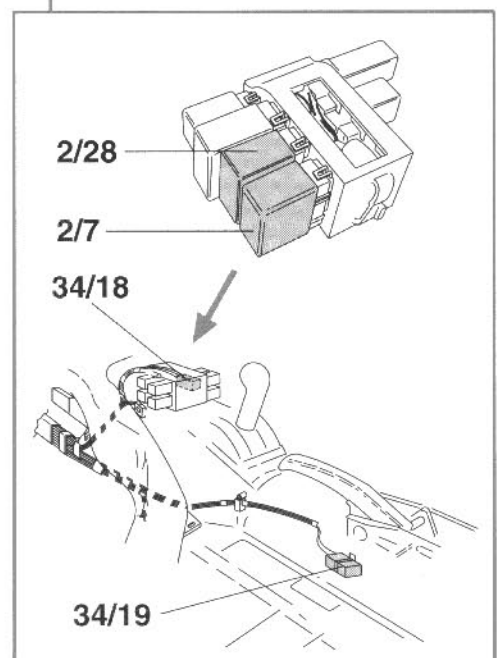
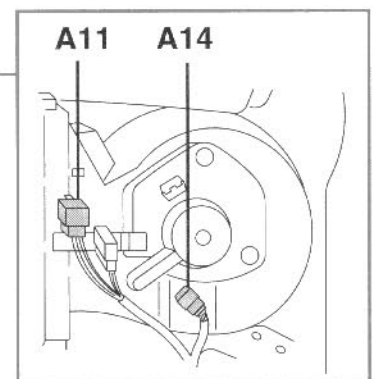
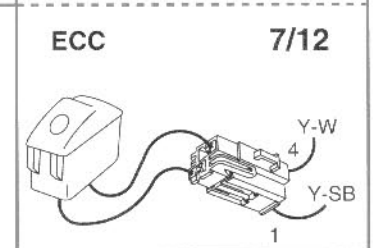
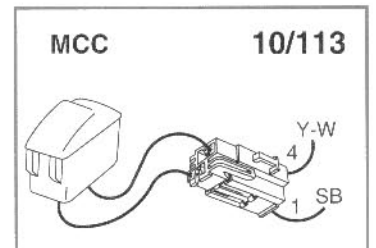
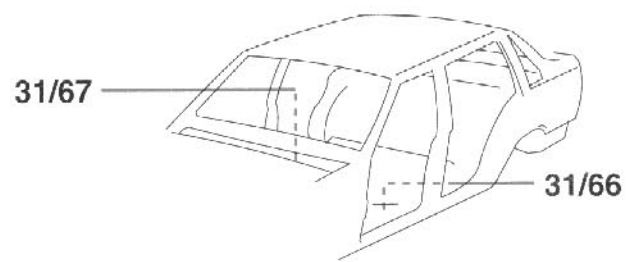
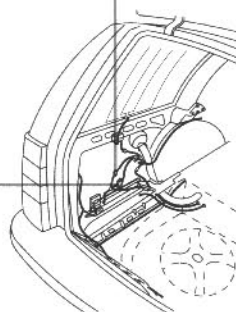
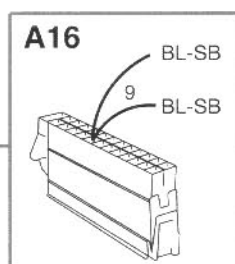
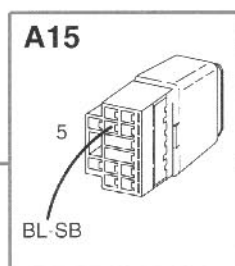
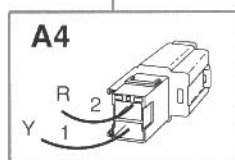
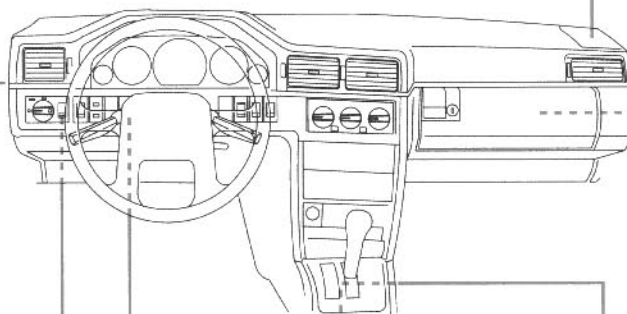
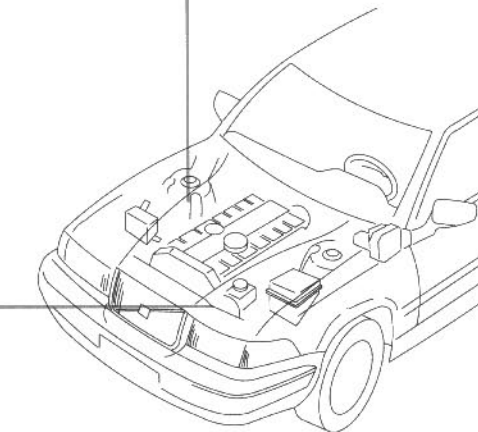
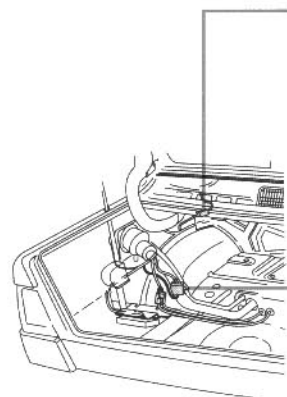
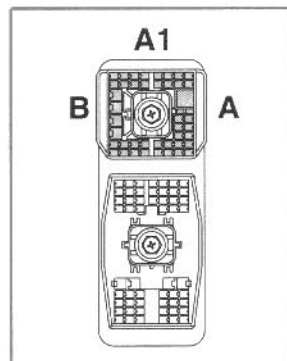
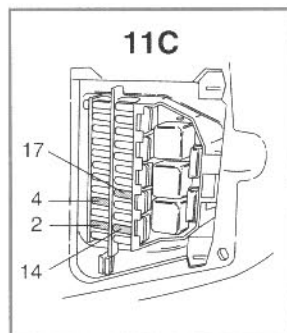
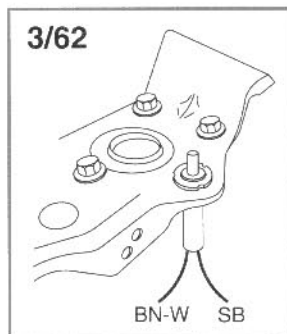
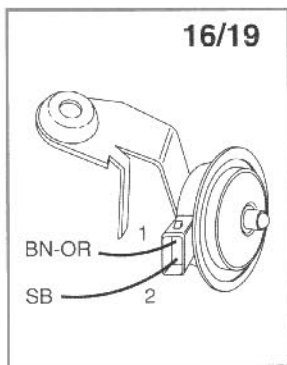
Cigar lighter



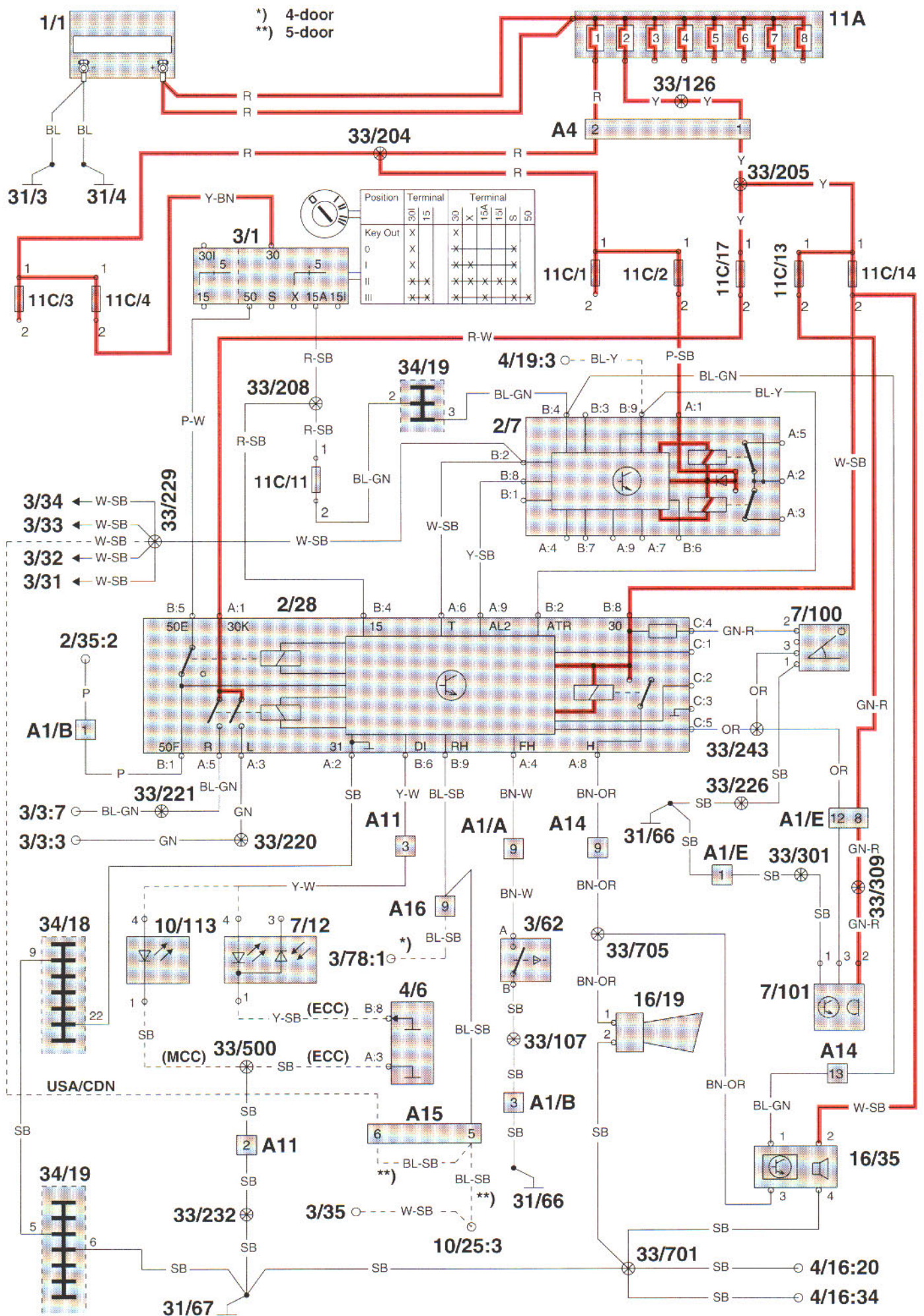


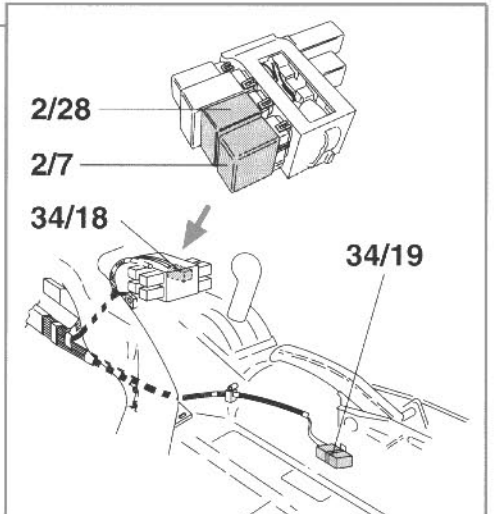
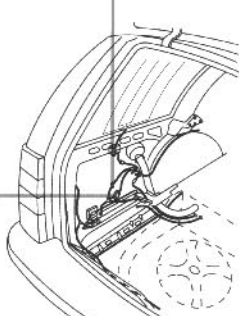
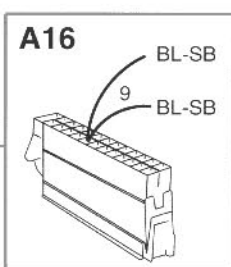
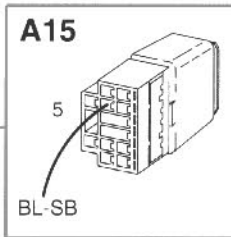
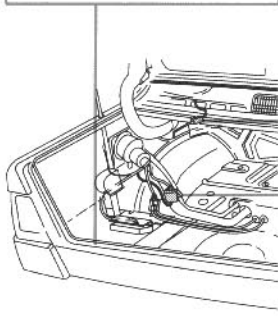
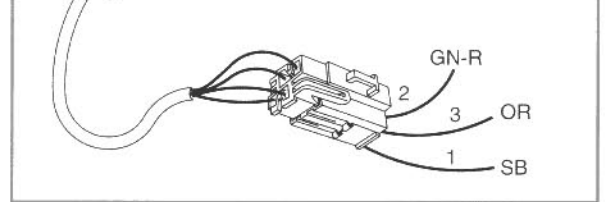
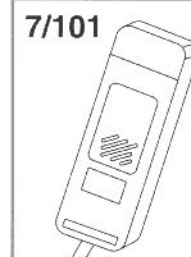
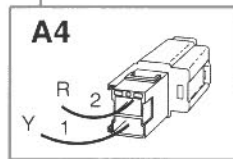
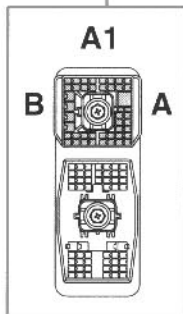
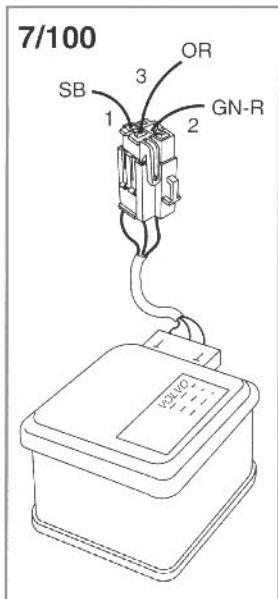
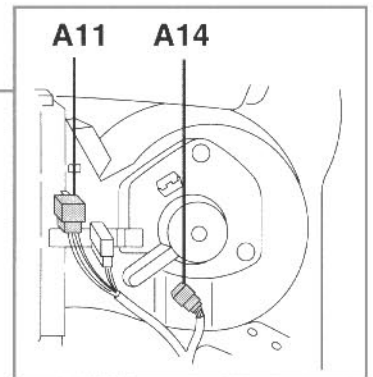
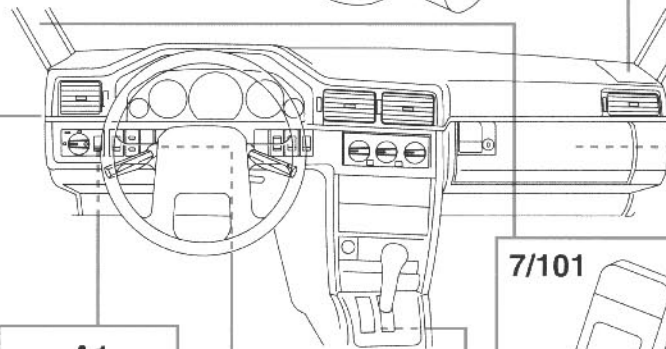
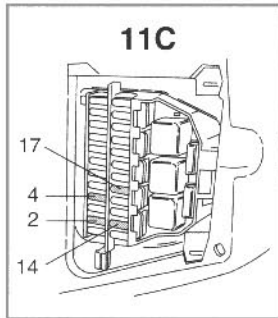
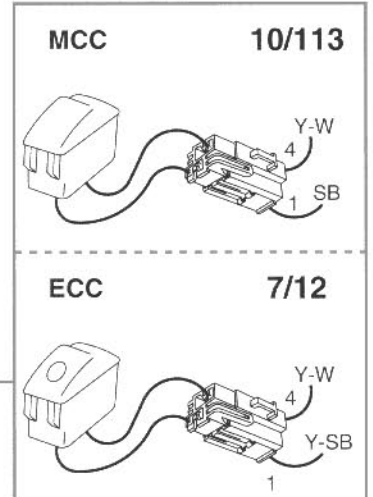
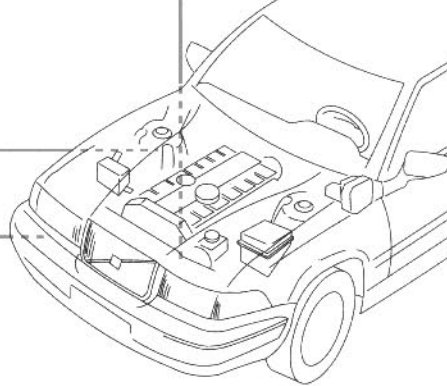
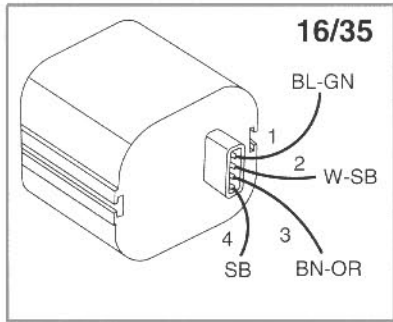
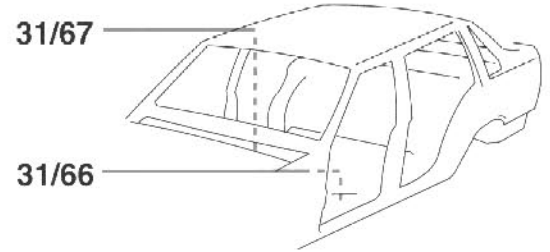
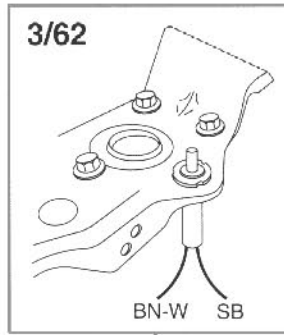
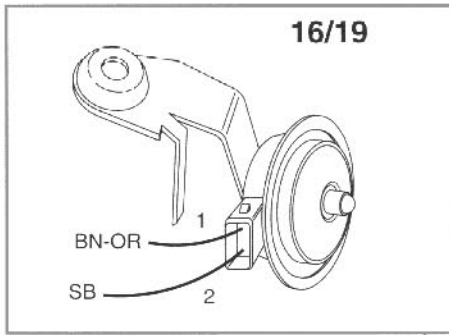
Car alarm system



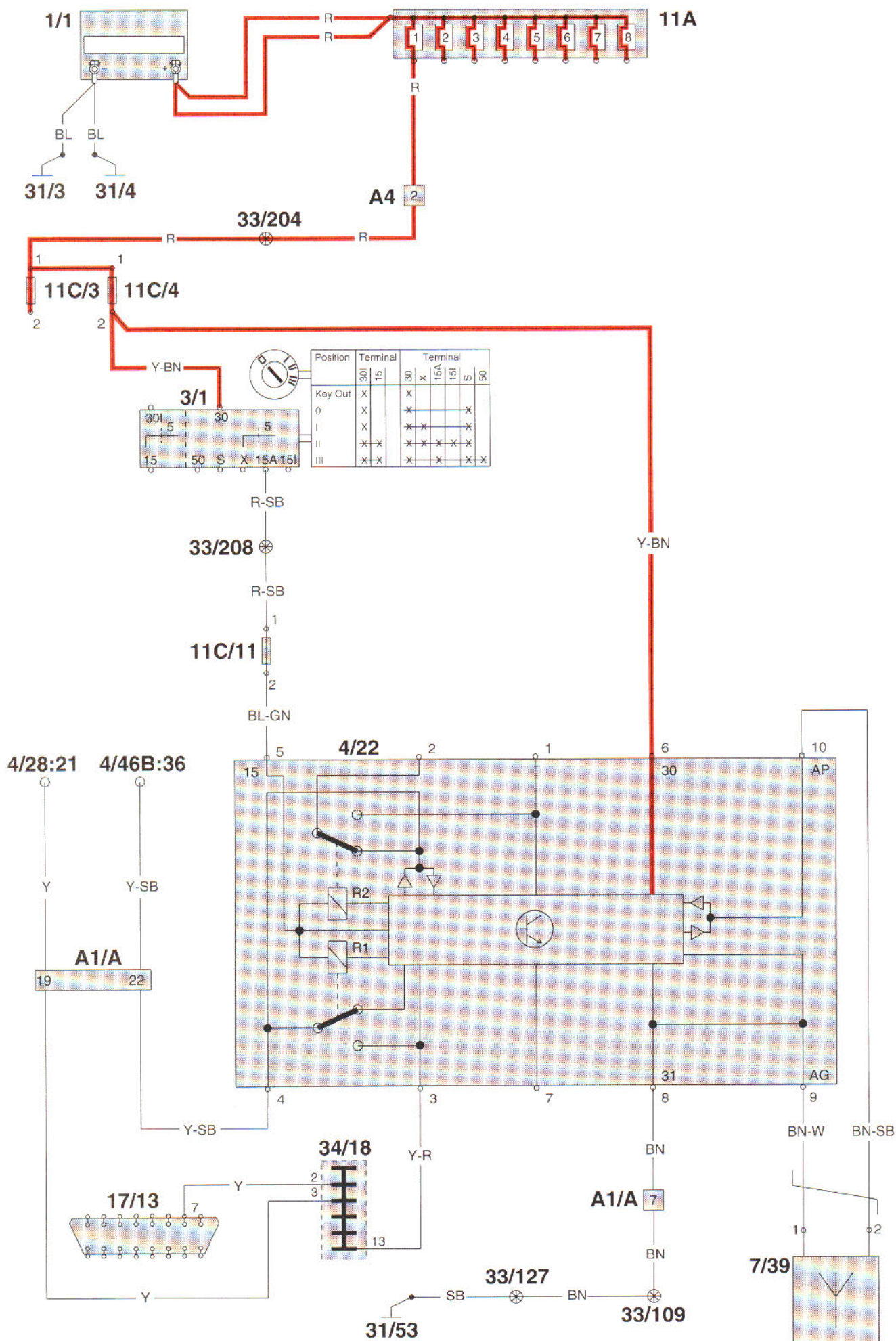


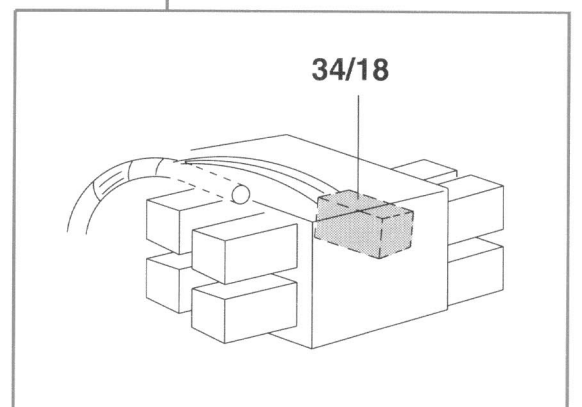
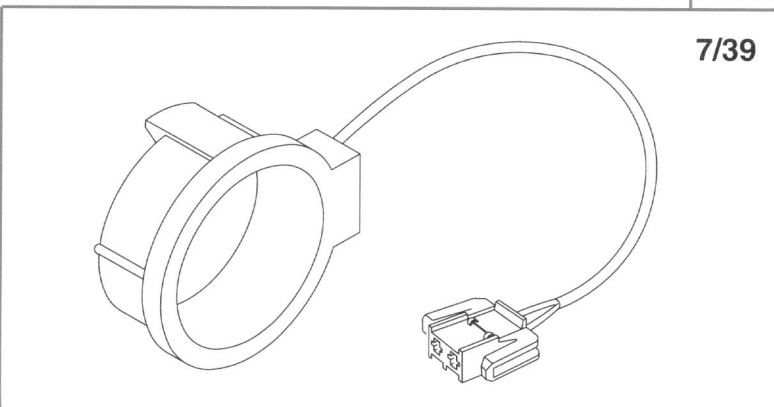
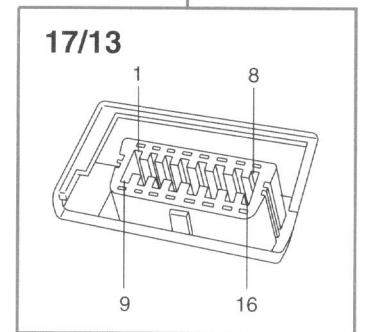
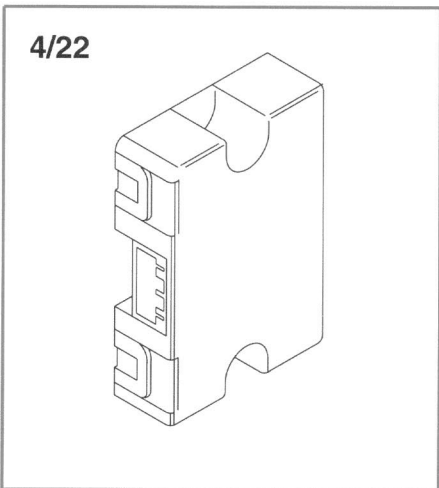
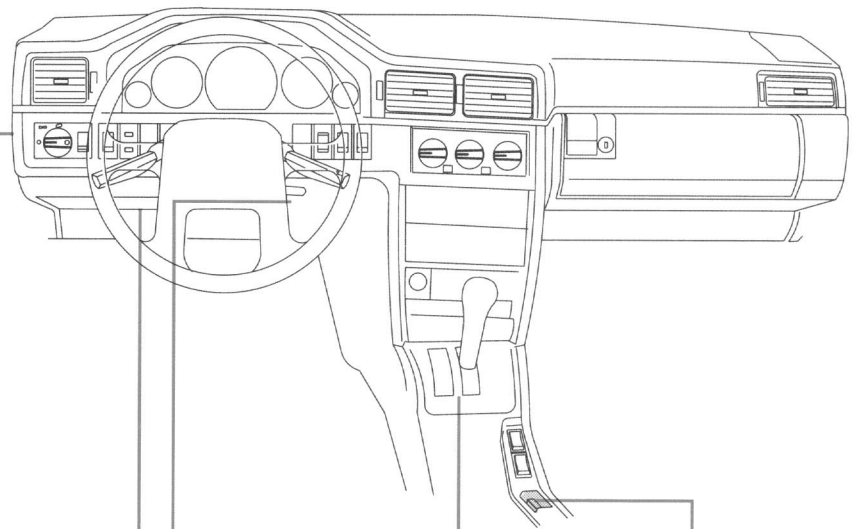
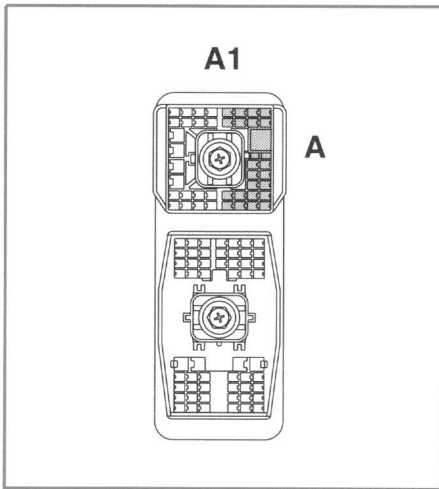
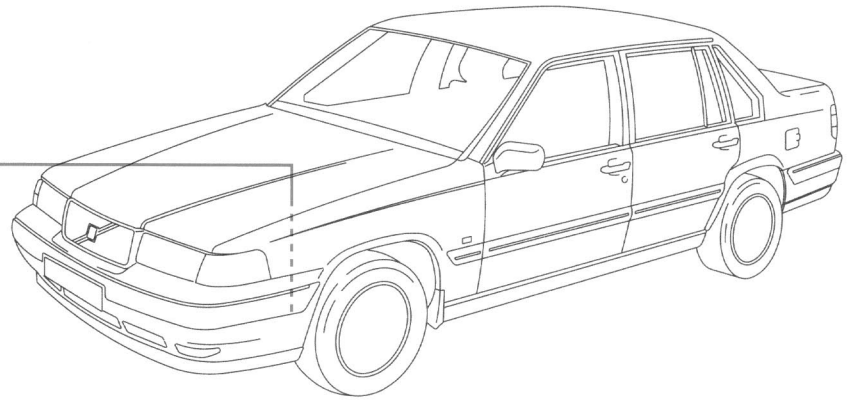
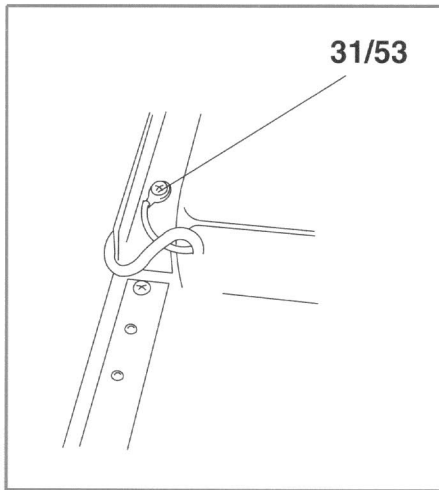
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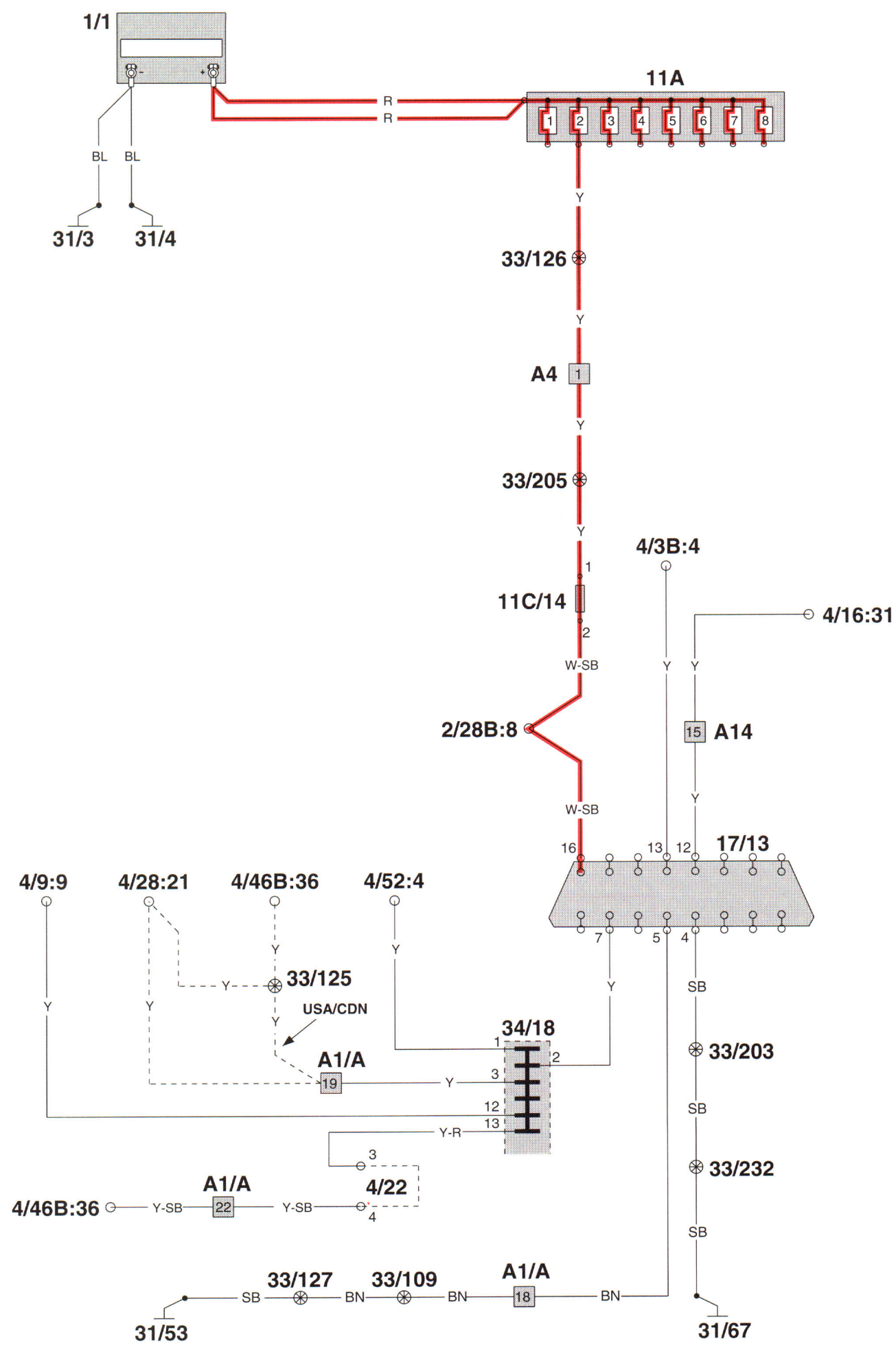


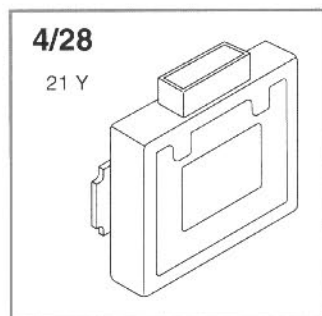
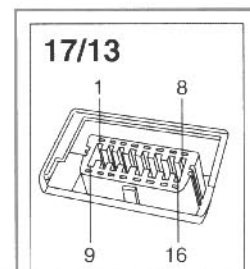
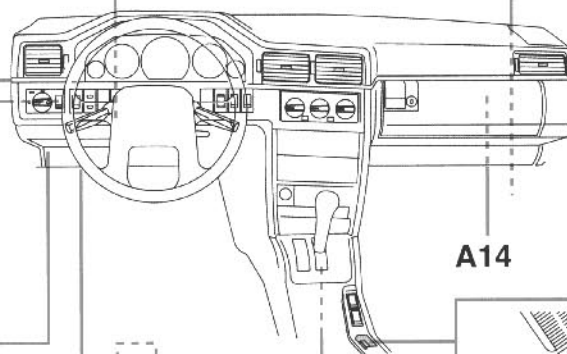
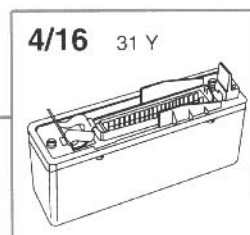
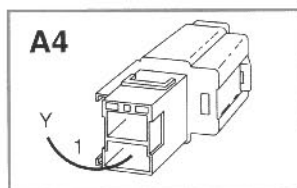
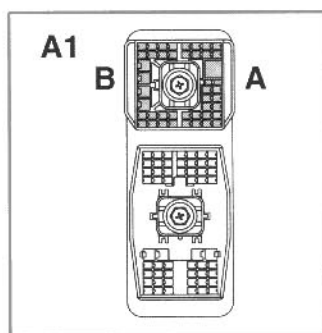
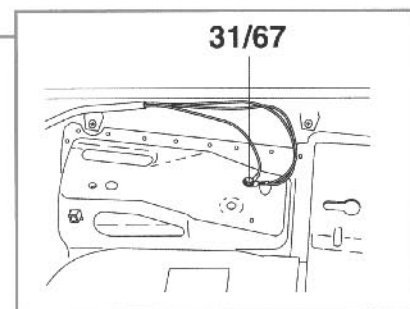
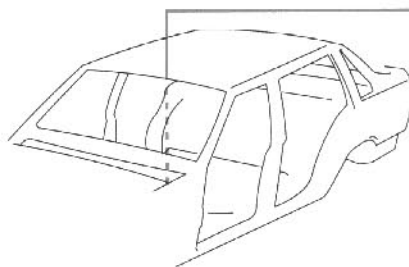
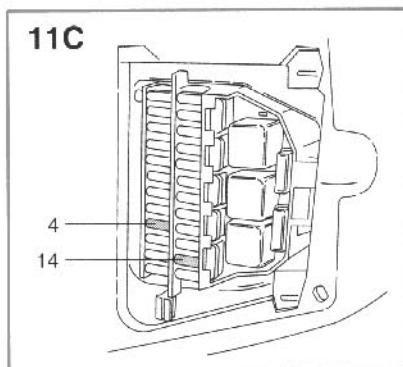
Electronic start inhibitor (Immobilizer)



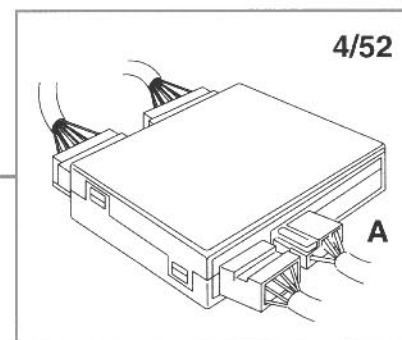
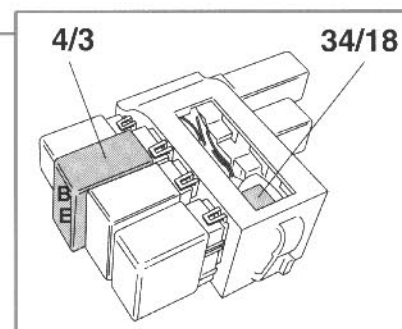
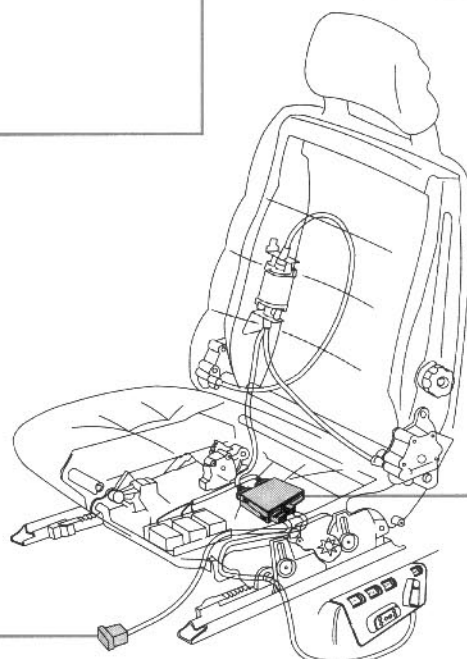
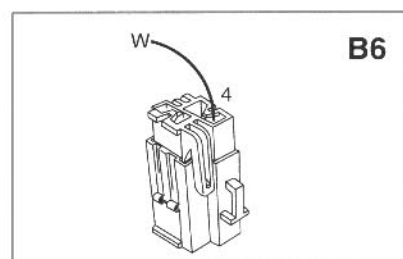
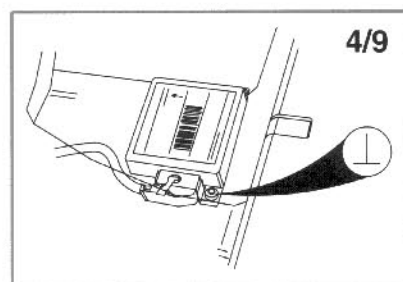
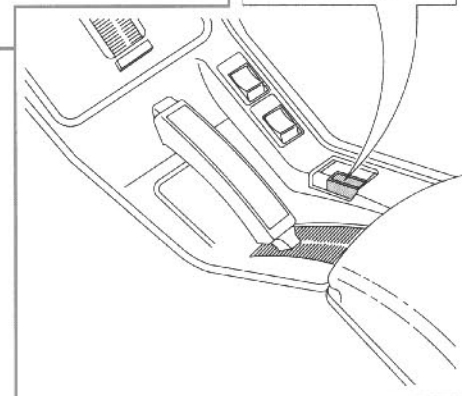


Diagnostics

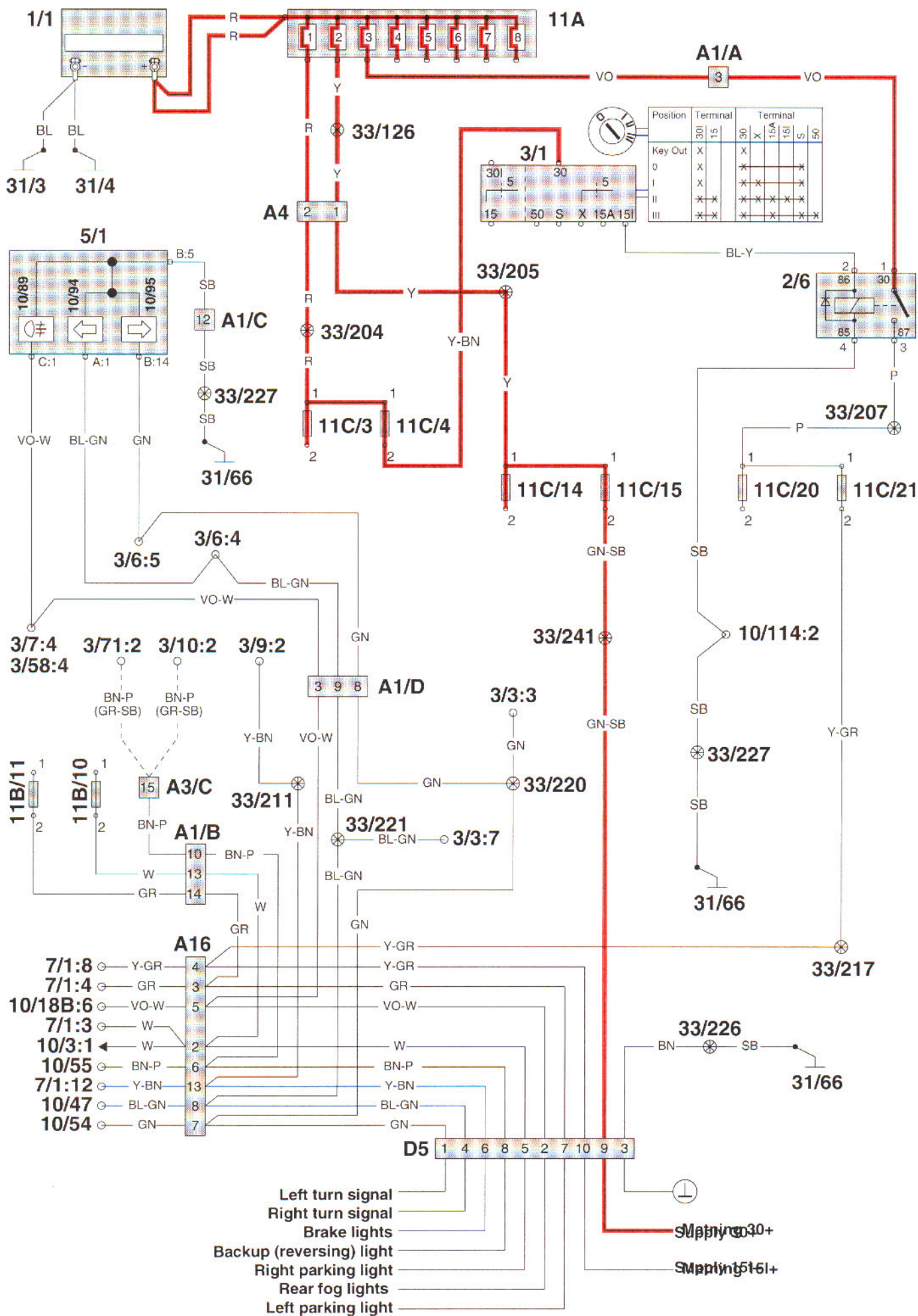


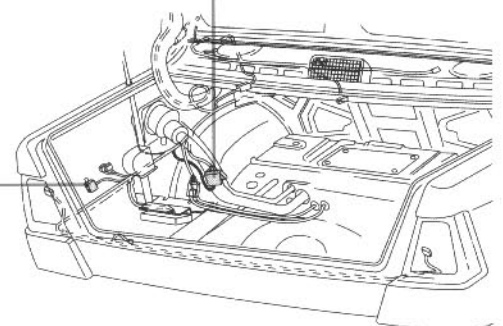
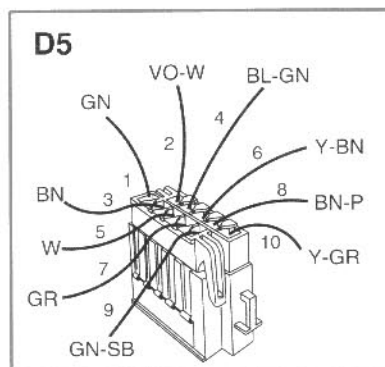
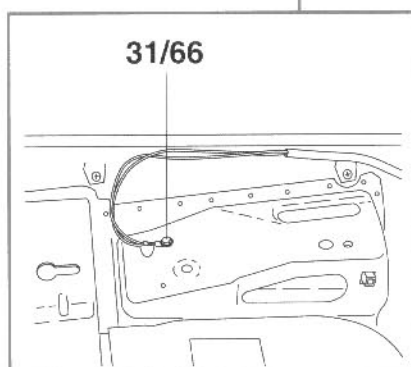
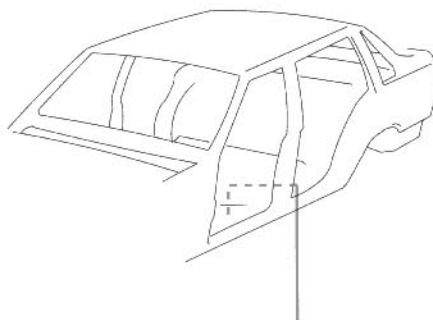
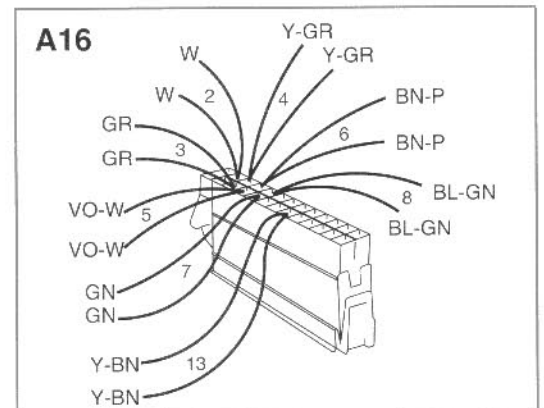
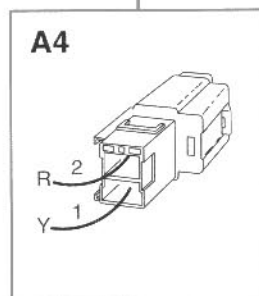
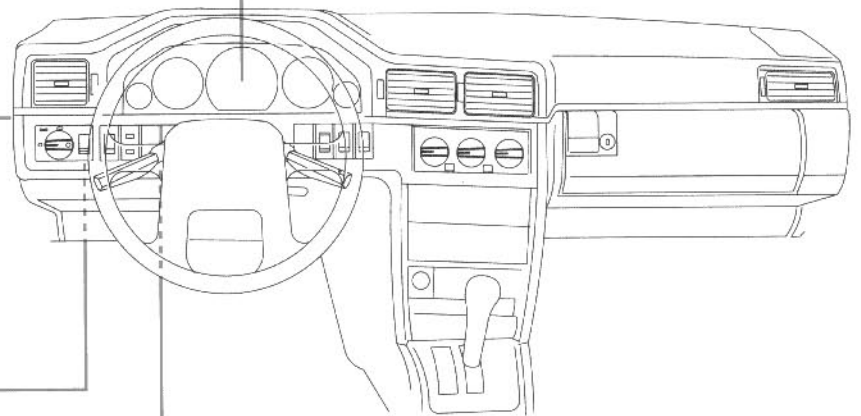
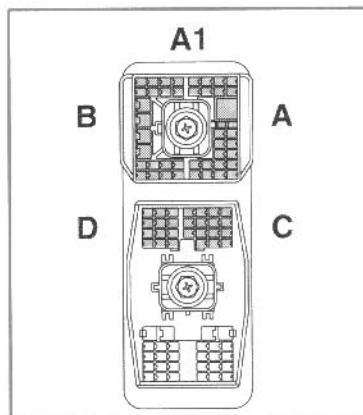
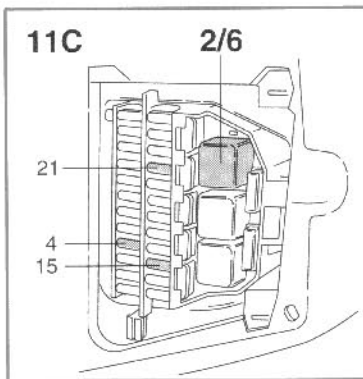
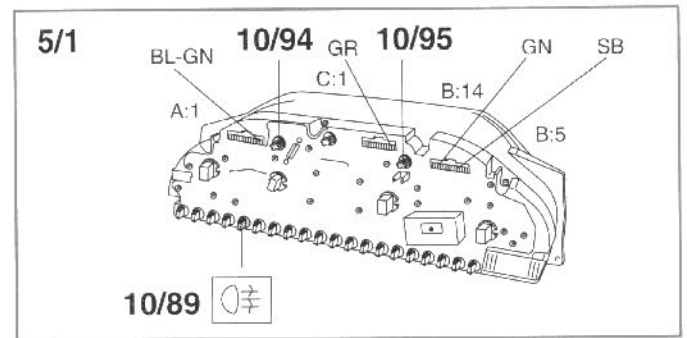
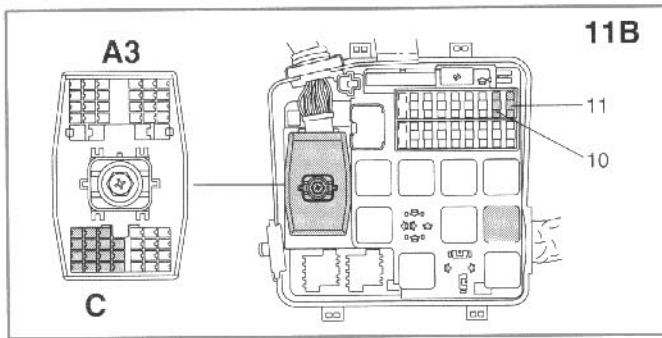


A14

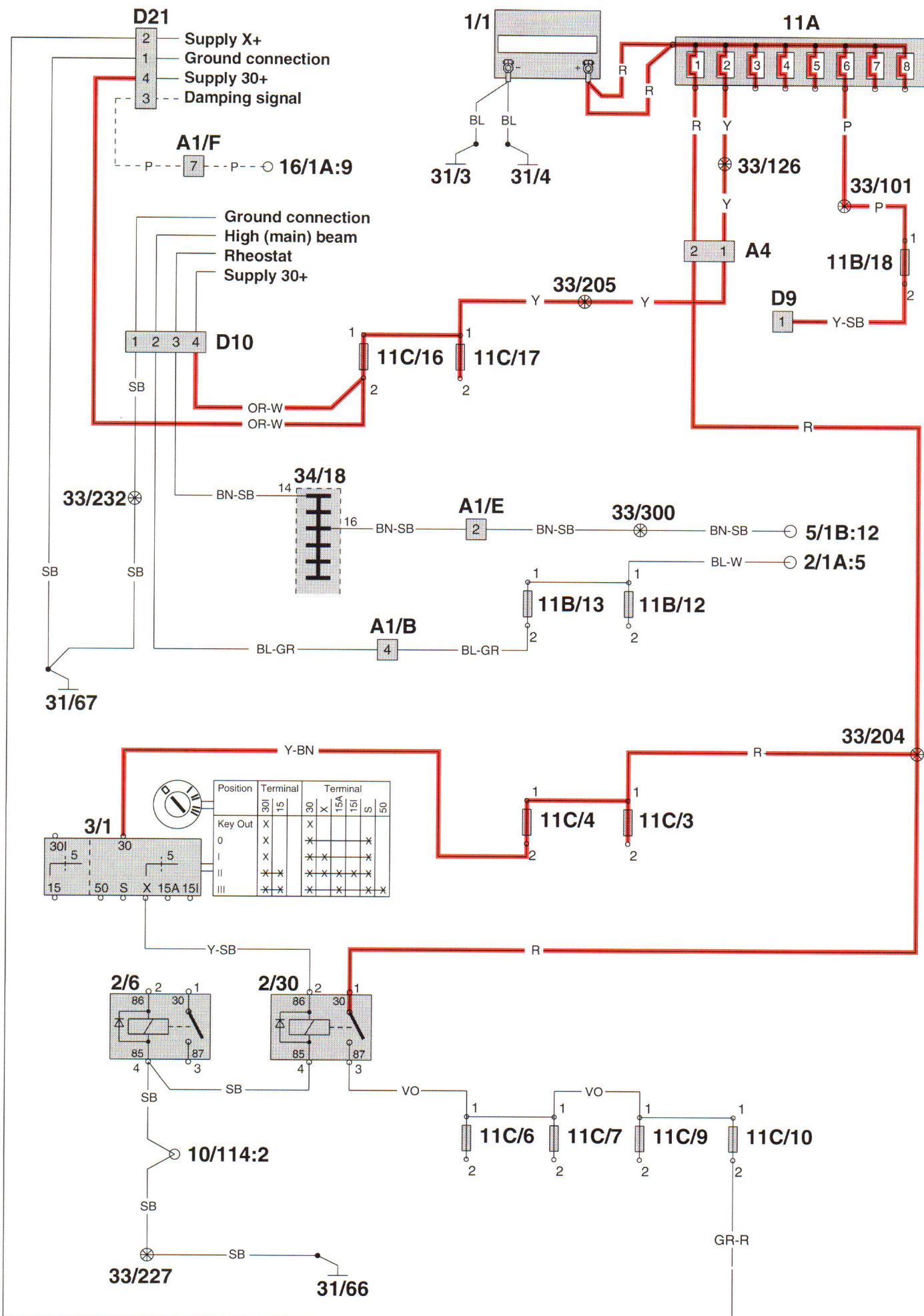


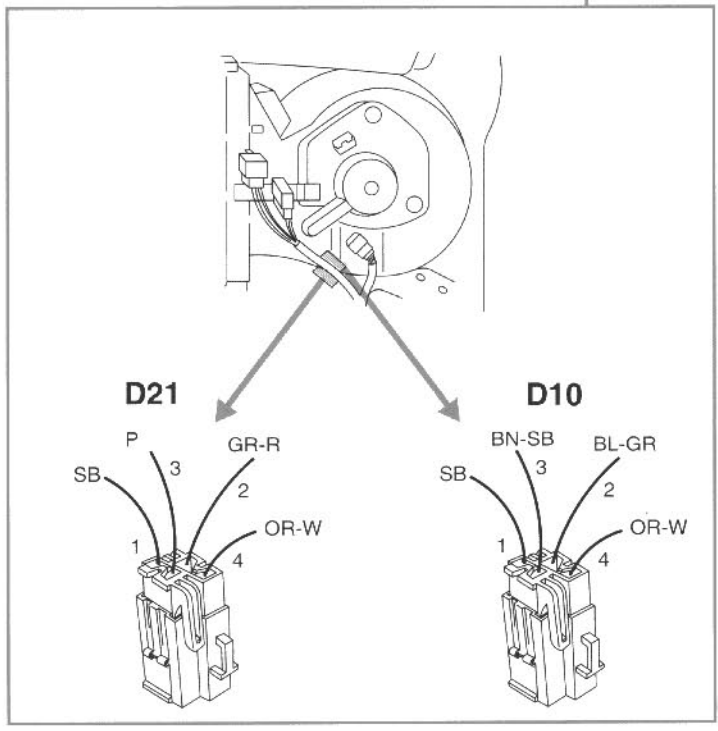
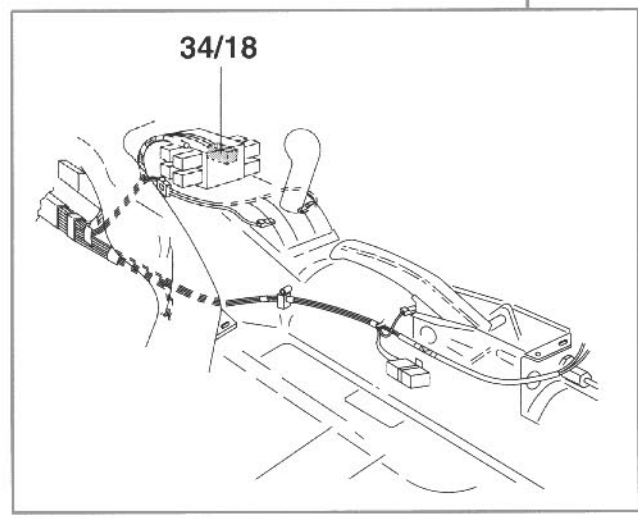
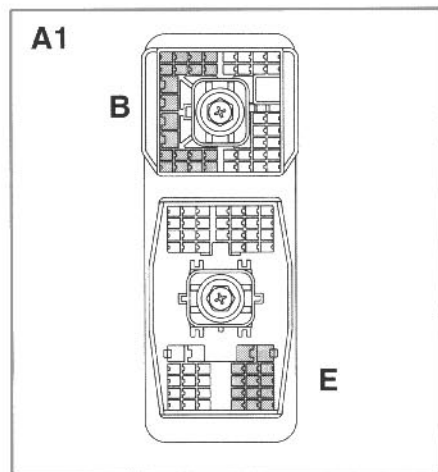
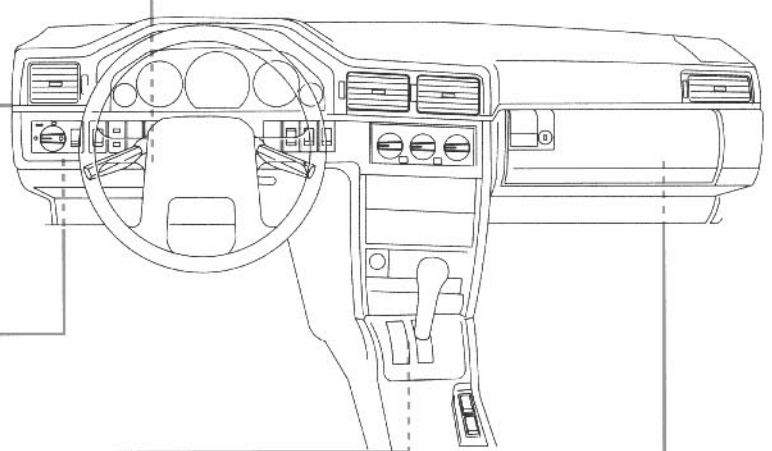
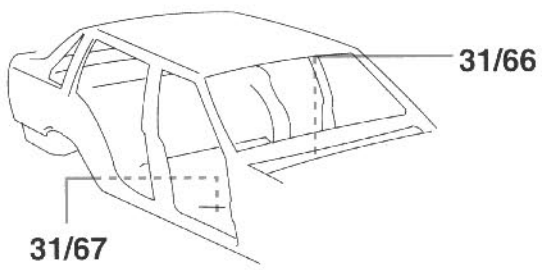
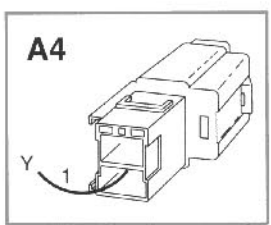
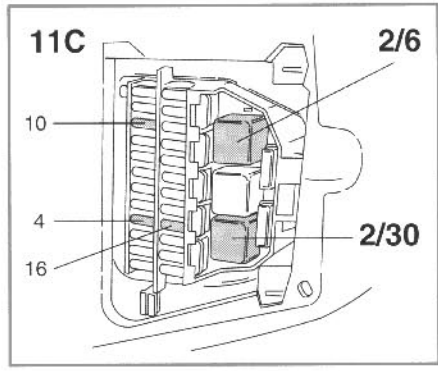
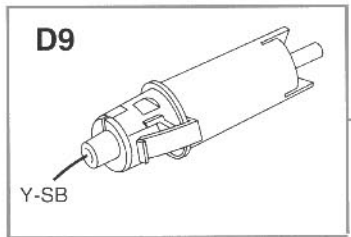
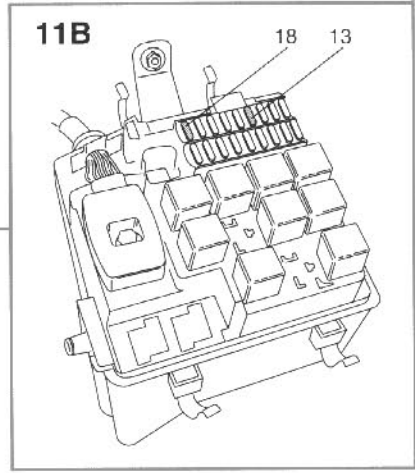
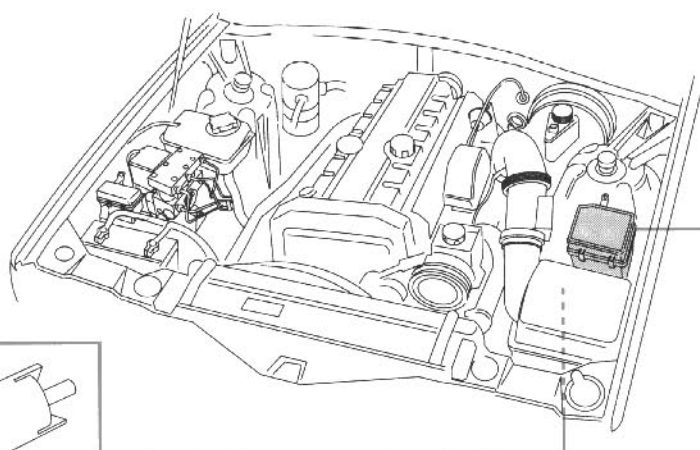
Tow hitch harness

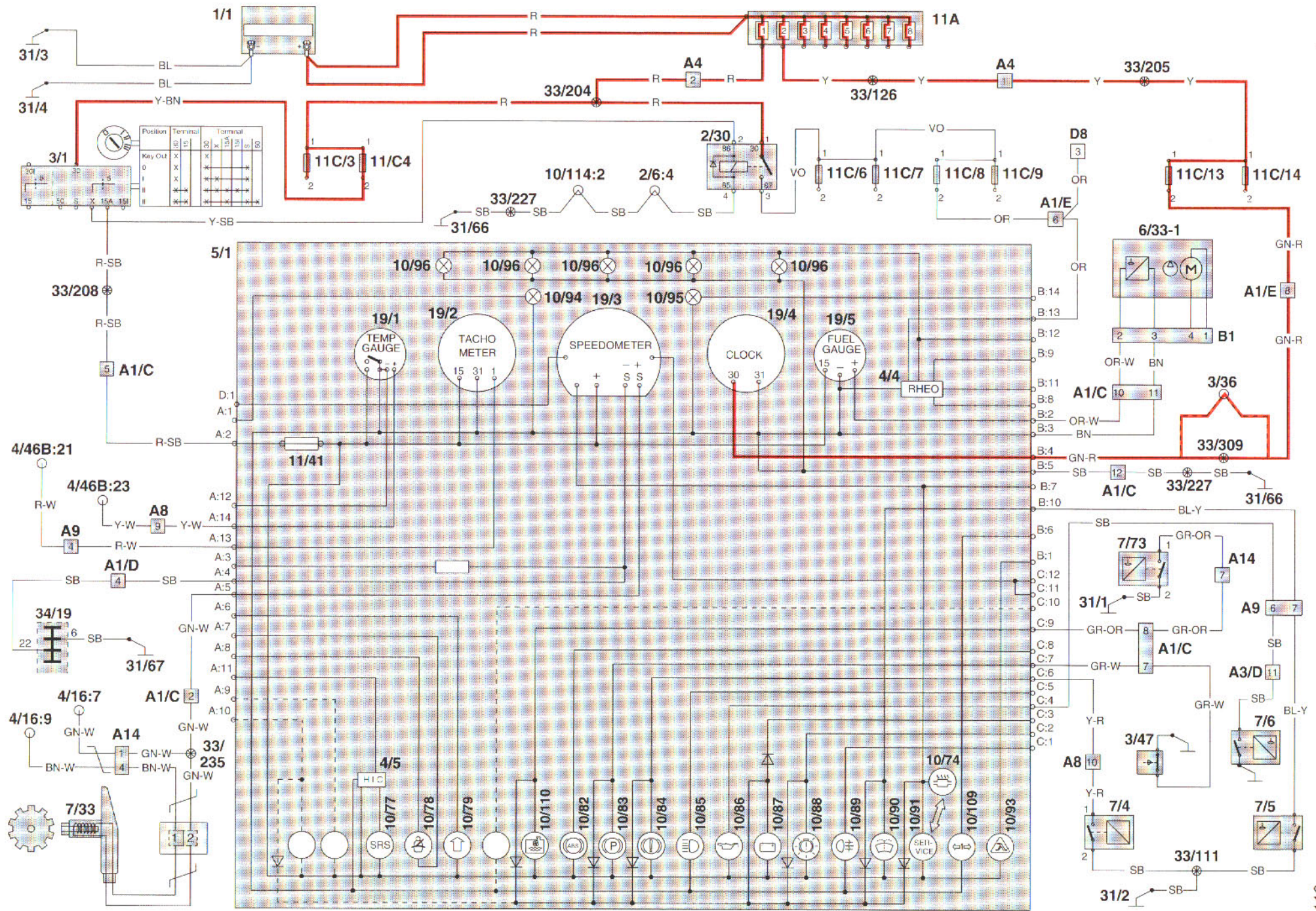


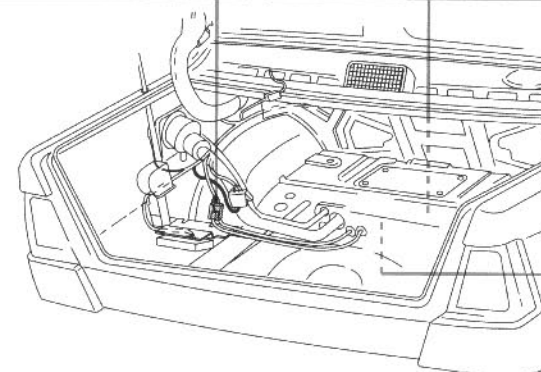
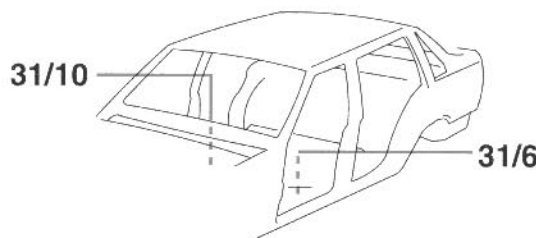
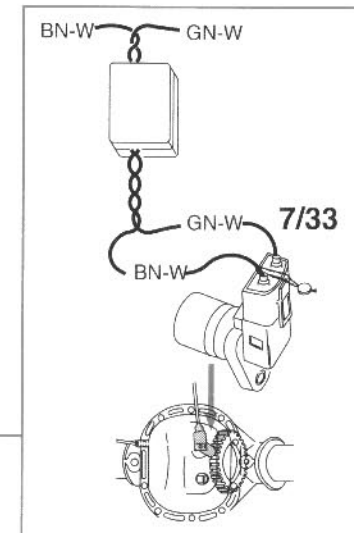
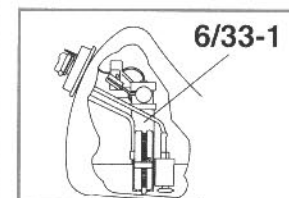
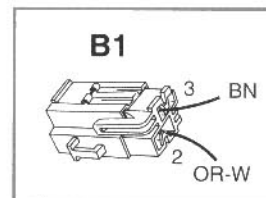
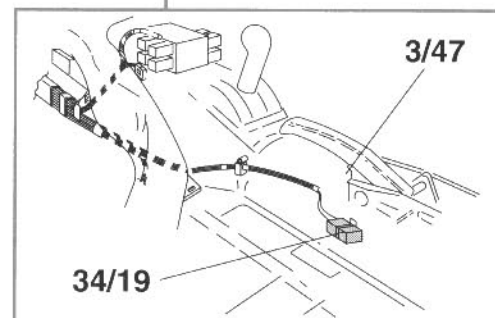
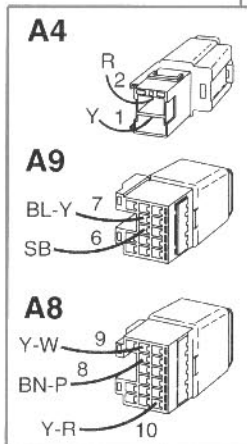
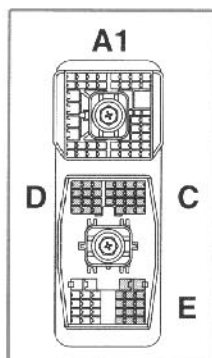
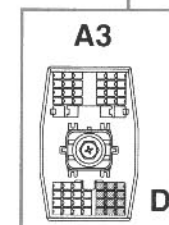
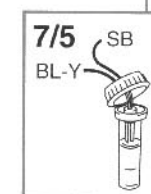
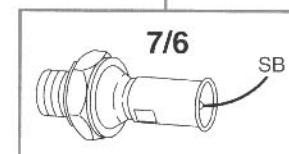
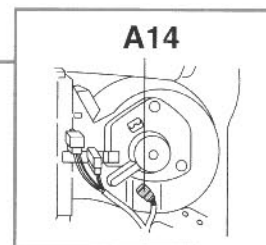
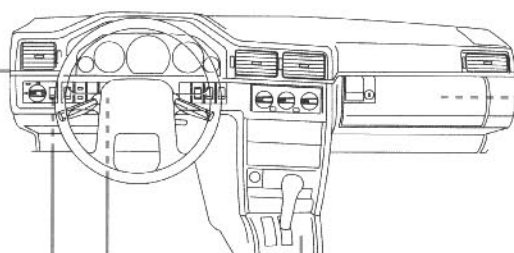
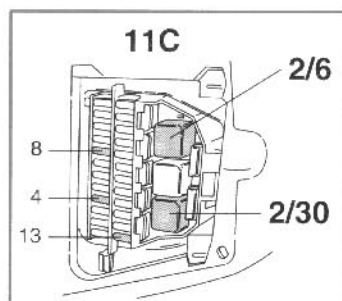
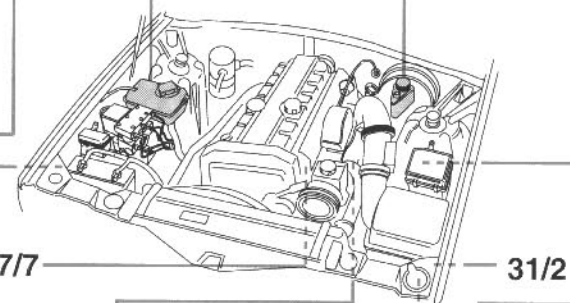
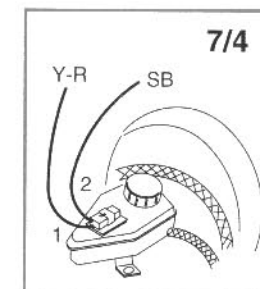
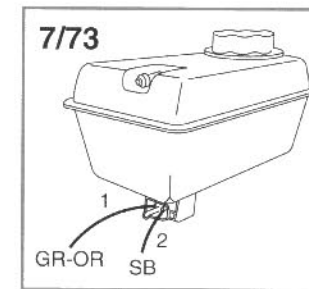
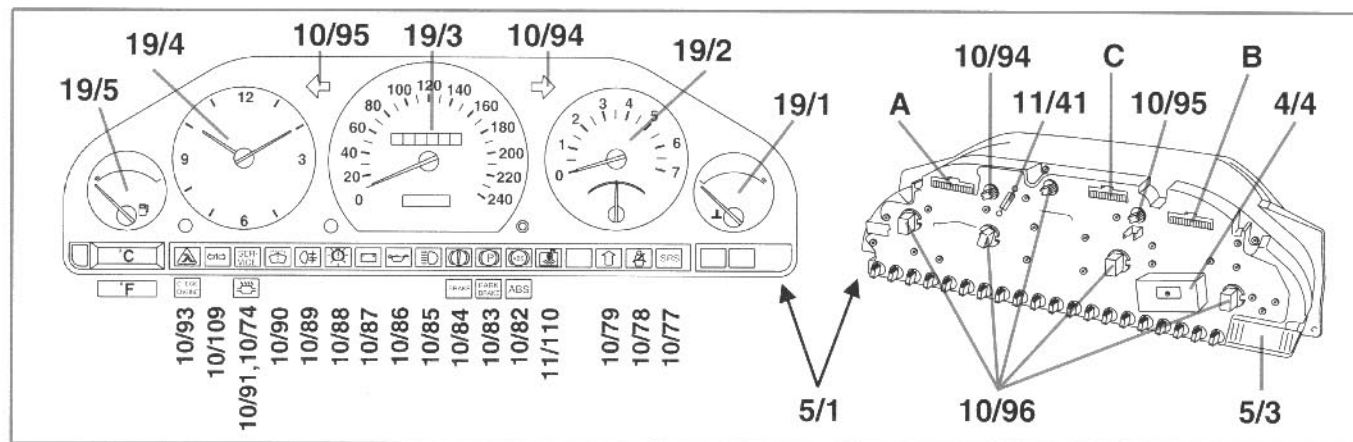


Accessories harness









Combined instrument panel

Instrument lights

10/74	Warning lamp, exhaust gas temperature	10/88	Warning light, bulb malfunction indicator
10/77	Warning lamp, SRS	10/89	Warning lamp, rear fog lights
10/78	Warning lamp, seat belt	10/90	Washer level warning lamp
10/79	Warning lamp, selector indicator	10/91	Service reminder indicator
10/82	Warning lamp, ABS	10/93	Check engine (MIL) warning lamp
10/83	Warning lamp, hand brake	10/94	Warning lamp, right turn signal
10/84	Brake warning lamp	10/95	Warning lamp, left turn signal
10/85	Warning light, high beam	10/96	Instrument lighting
10/86	Oil pressure warning lamp	10/109	Warning lamp, trailer
10/87	Warning lamp, charging	10/110	Coolant level warning lamp

Combined instrument panel connection points

A 14-pin connector

1	Right turn signal (+)	BL-GN
2	15 Amp.+ supply	R-SB
3	-	
4	Reference, ground point 31/67	SB
5	Speed sensor signal (+)	GN-W
6	Selector indicator	BN-OR
7	Seat belt reminder	Y-GR
8	Seat belt reminder	GN-BN
9	-	
10	-	
11	Collision sensor SRS pos 7	OR-SB
12	-	
13	Control module, Motronic 4.3 MFI, pos. B:21	R-W
14	Control module, Motronic 4.3 MFI, pos. B:23	Y-W

B 14-pin connector

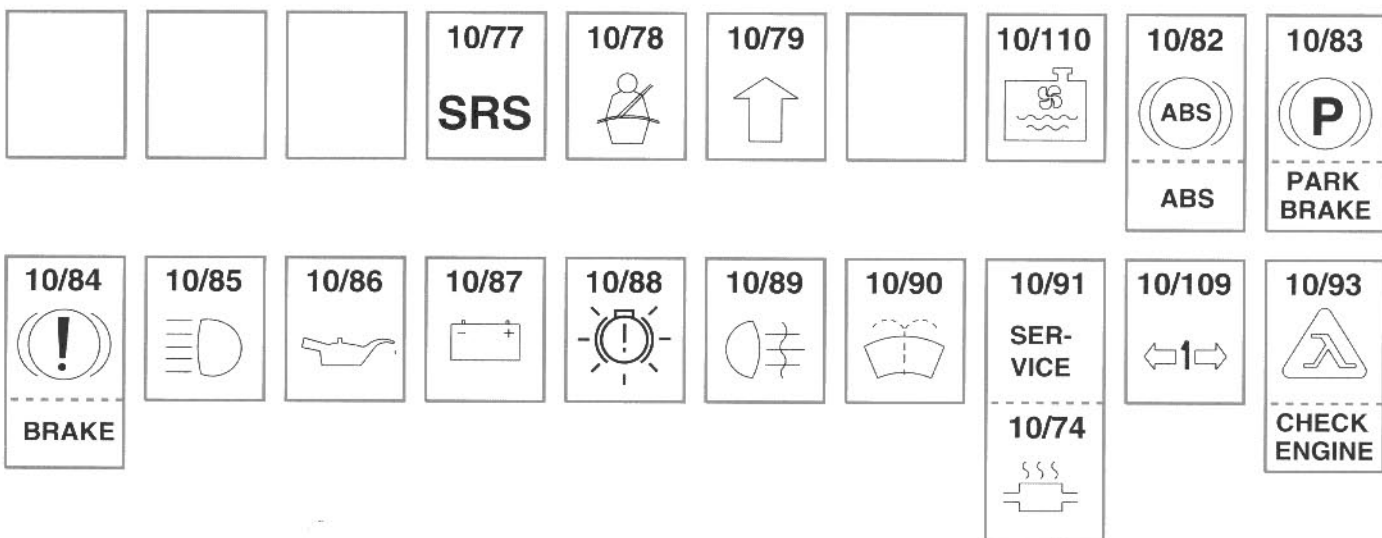
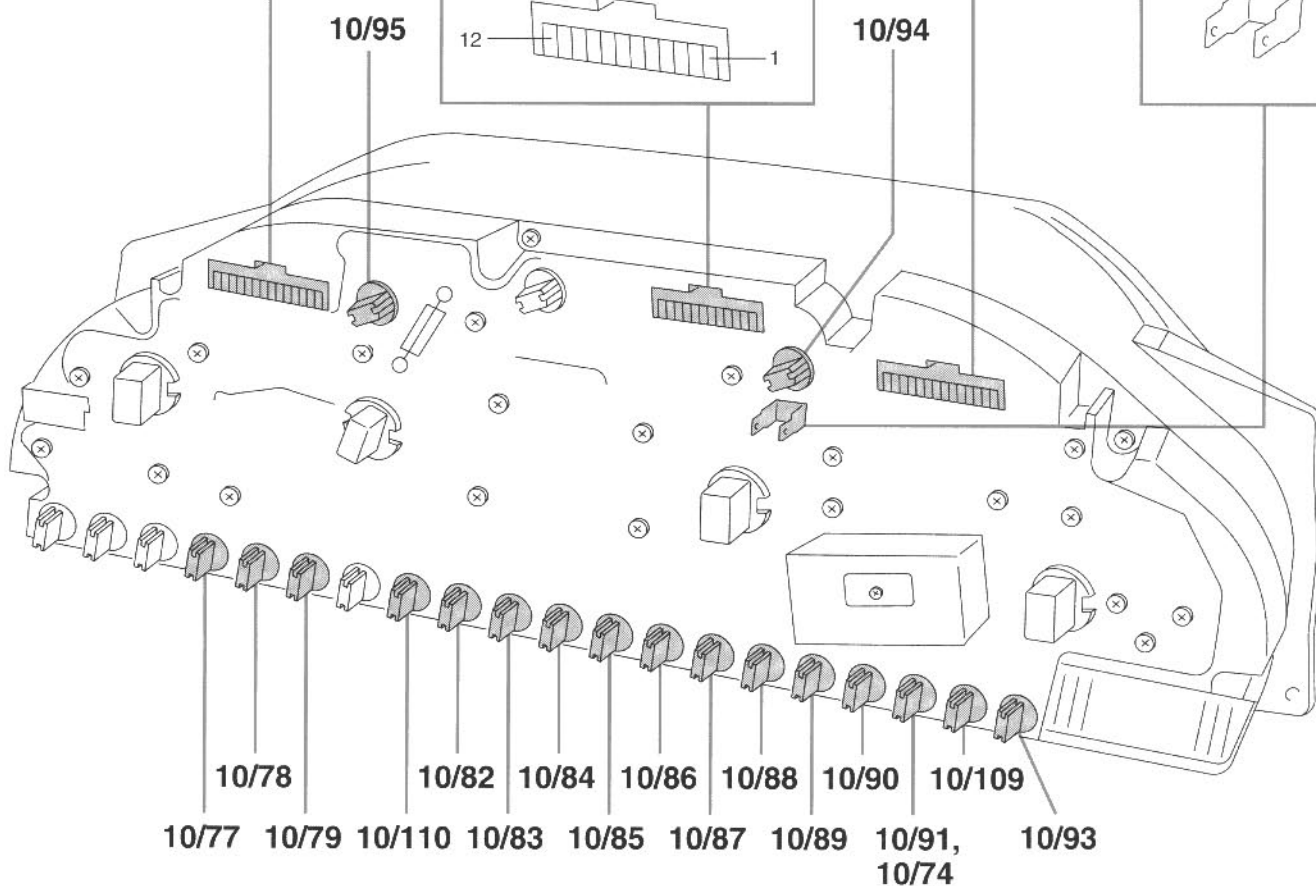
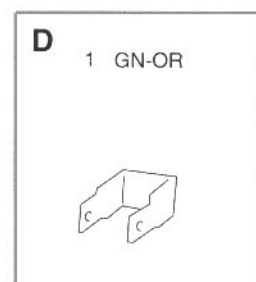
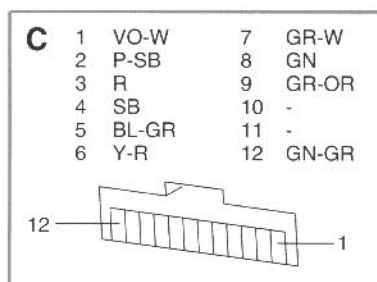
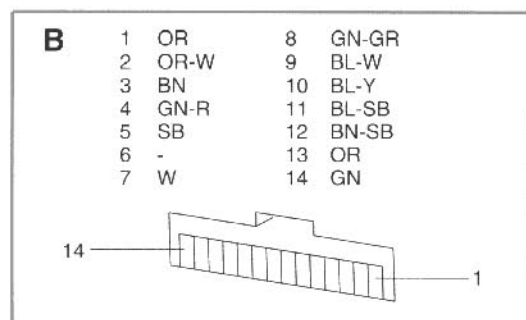
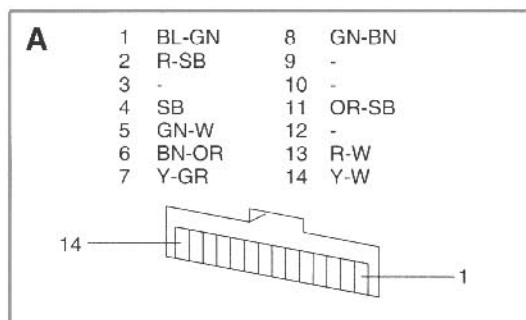
1	Control module, Motronic 4.3 MFI, pos.B:7	BL-GN
2	Fuel level sensor (+)	R-SB
3	Fuel level sensor (-)	
4	30+ supply	SB
5	Ground connection 31/66	GN-W
6	-	BN-OR
7	Relay, exhaust temperature sensor (Japan)	Y-GR
8	Switch, Rheostat (-)	GN-BN
9	Light switch, pos. 2	
10	Washer level sensor	
11	Light switch, pos. 8	OR-SB
12	Rheostat, output	
13	X+ supply	R-W
14	Left turn signal, front	Y-W

C 12-pin connector

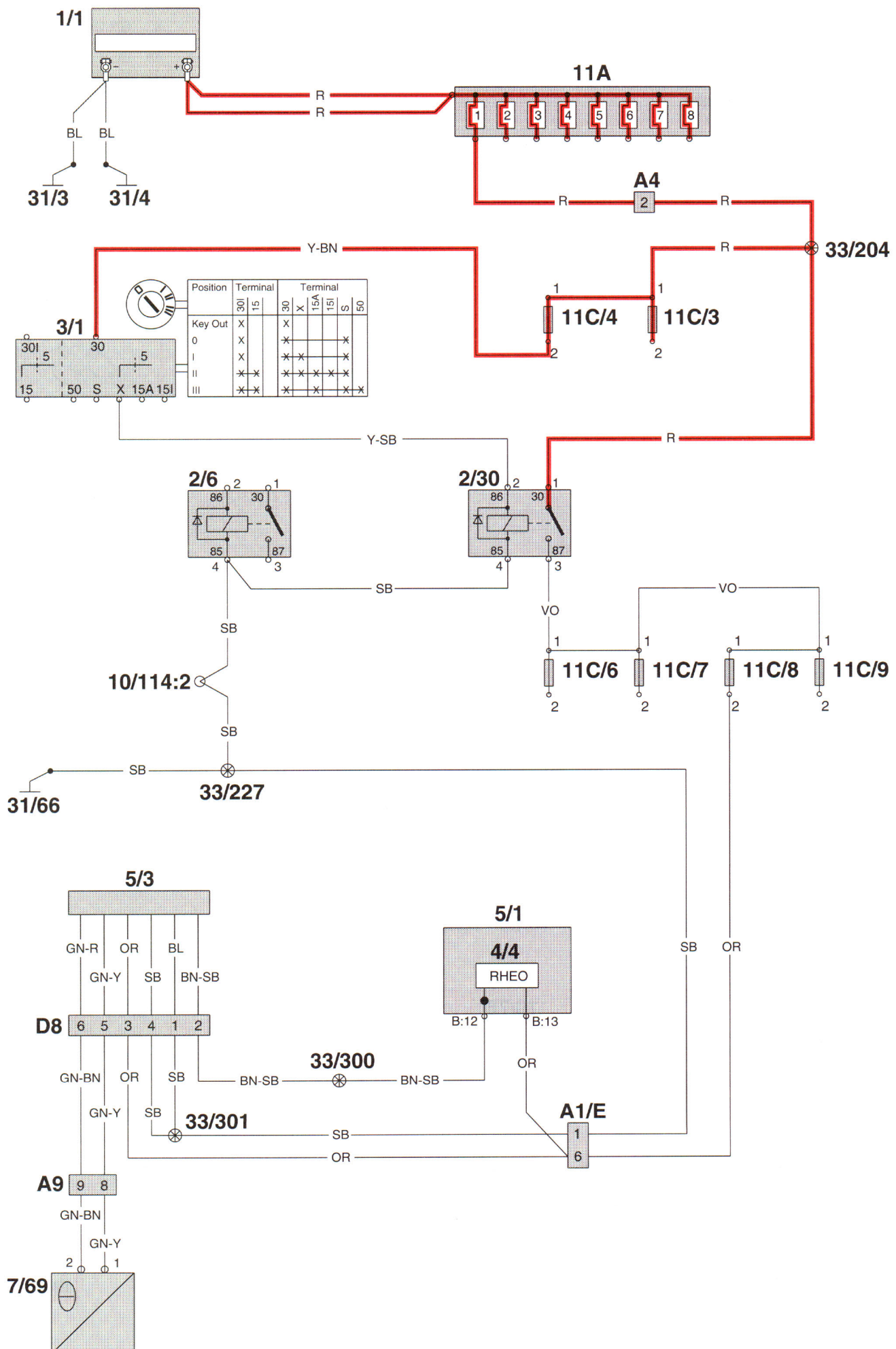
1	Switch, rear fog light	
2	Bulb failure warning sensor	SB
3	Generator D+	GN-W
4	Oil pressure sensor (-)	BN-OR
5	High beam signal	Y-GR
6	Brake fluid level sensor	GN-BN
7	Parking brake switch	
8	ABS	
9	Coolant level sensor	OR-SB
10	-	
11	-	R-W
12	Digital output to transmission control module	Y-W

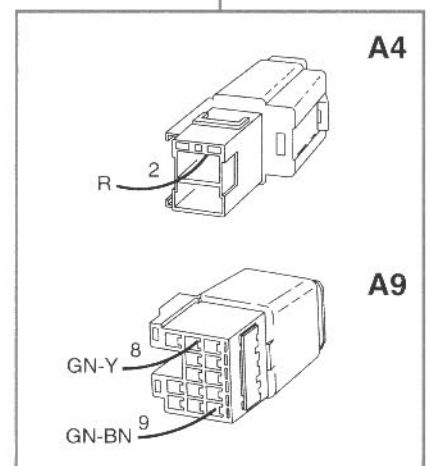
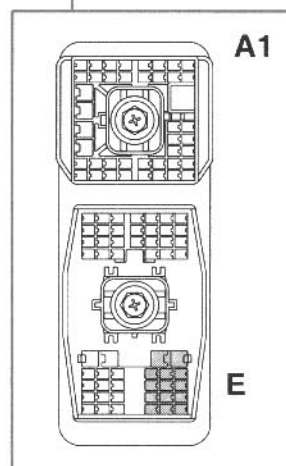
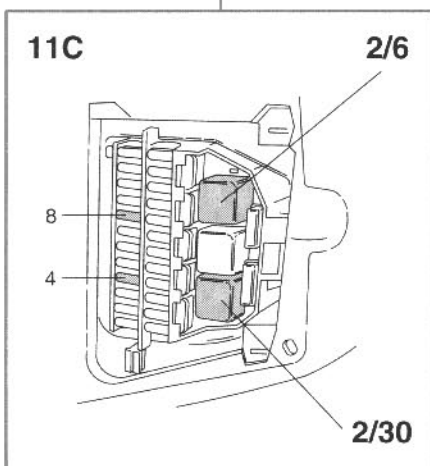
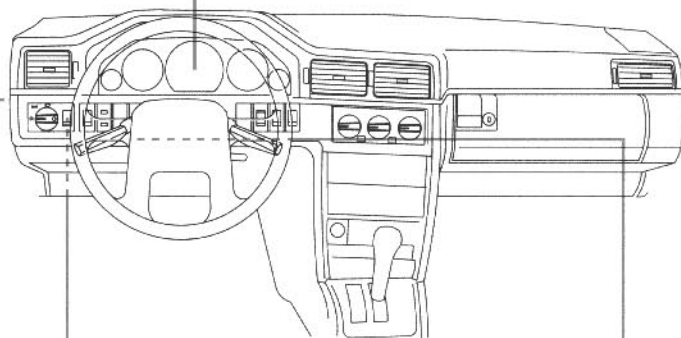
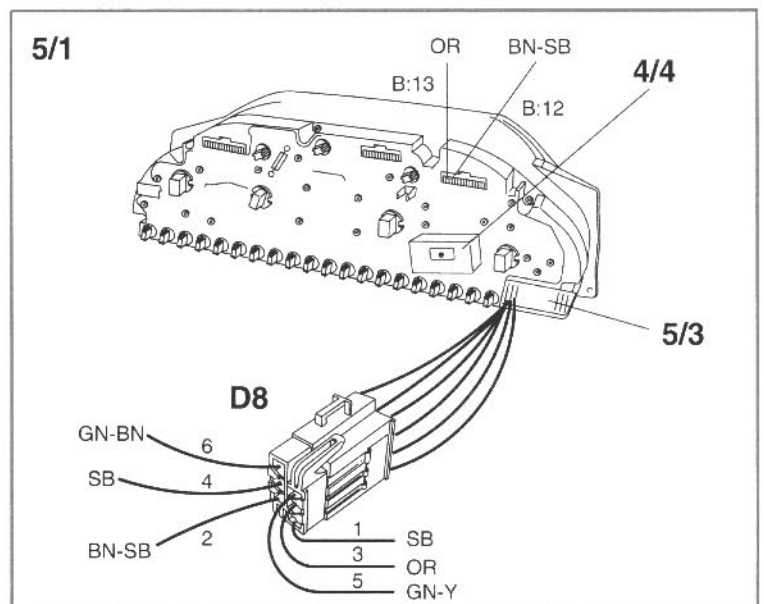
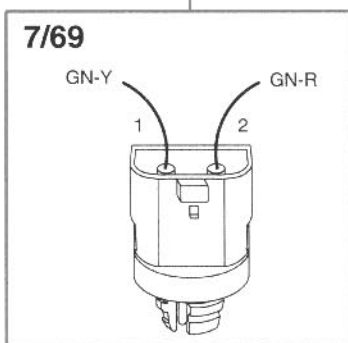
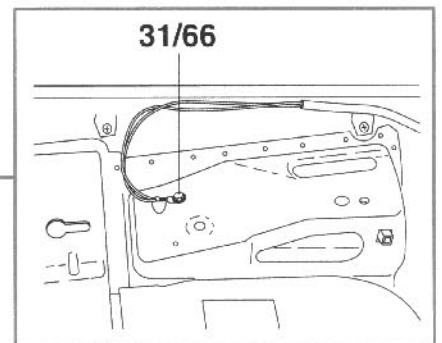
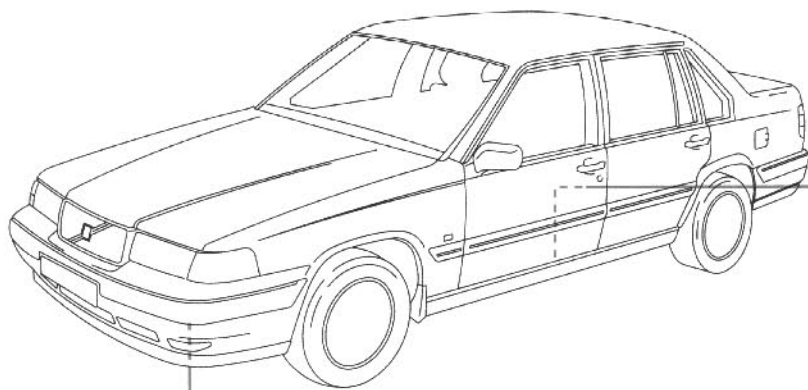
Single pin connection (double tab)

1	Digital output to Motronic 4.3 MFI control module pos. B:18 Cruise control pos B:8 ECC pos A:6	GN-OR
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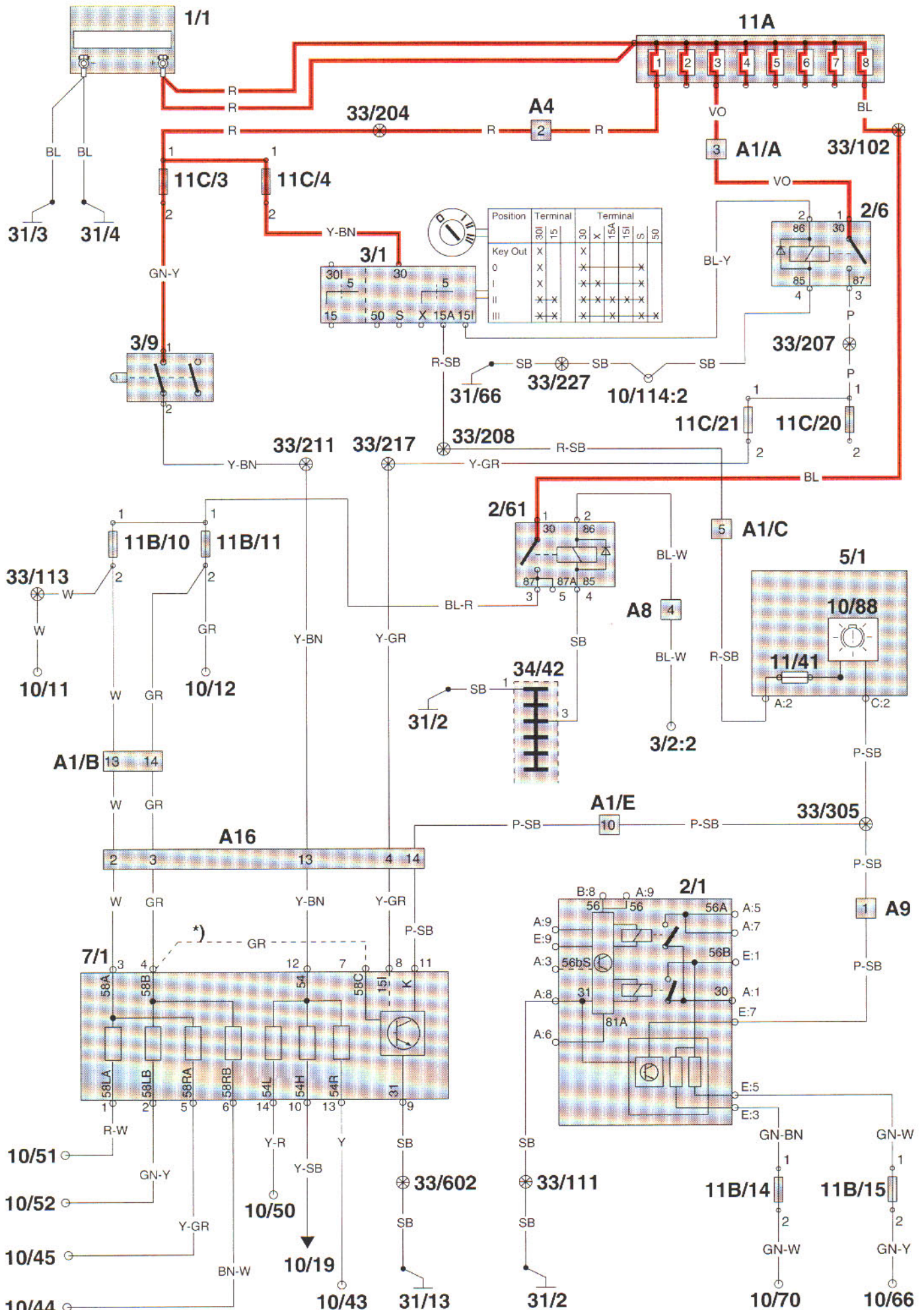
Outer temperature sensor

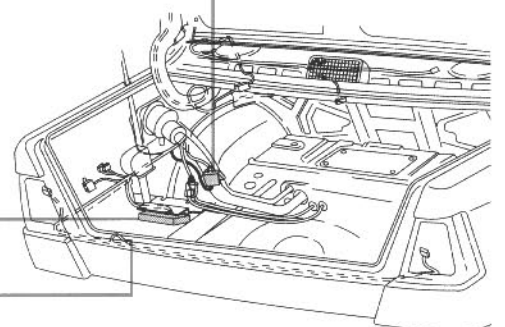
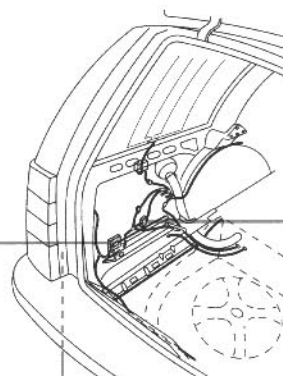
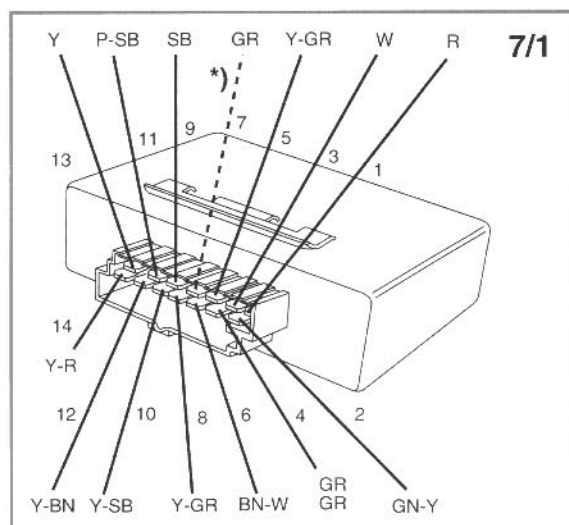
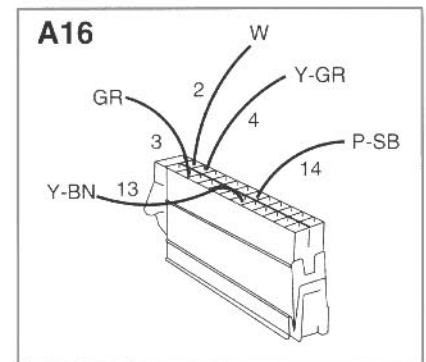
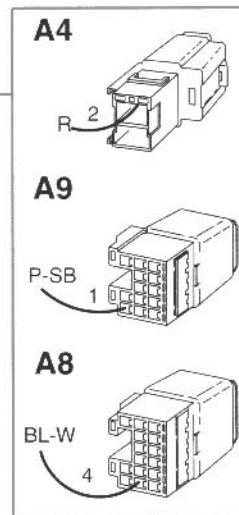
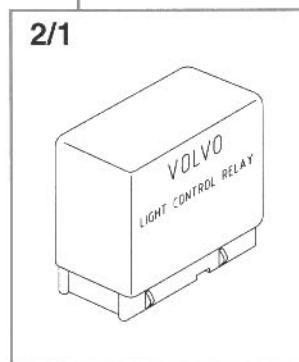
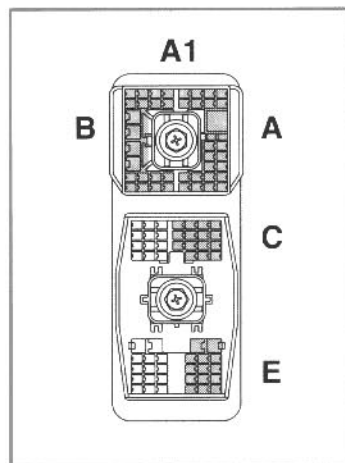
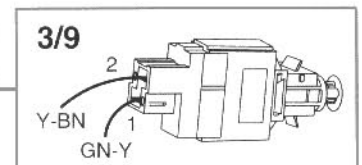
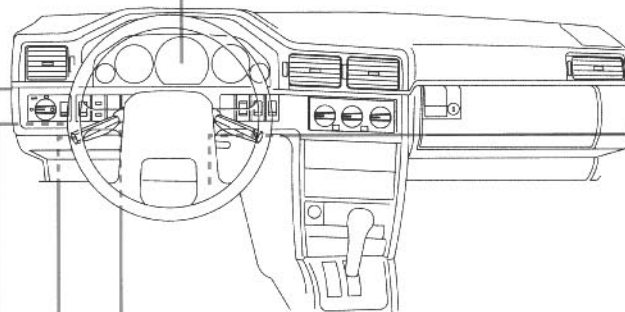
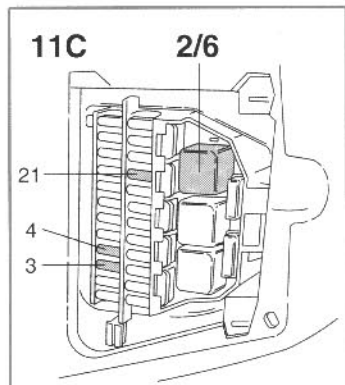
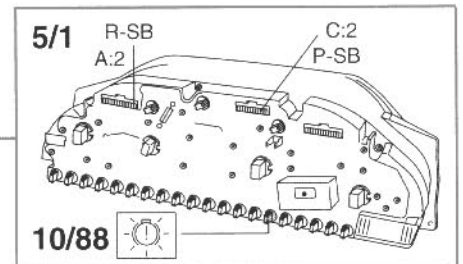
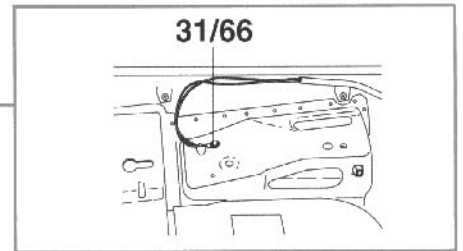
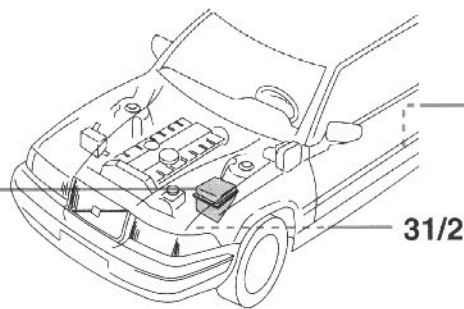
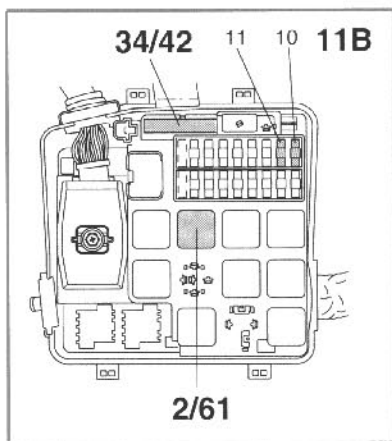




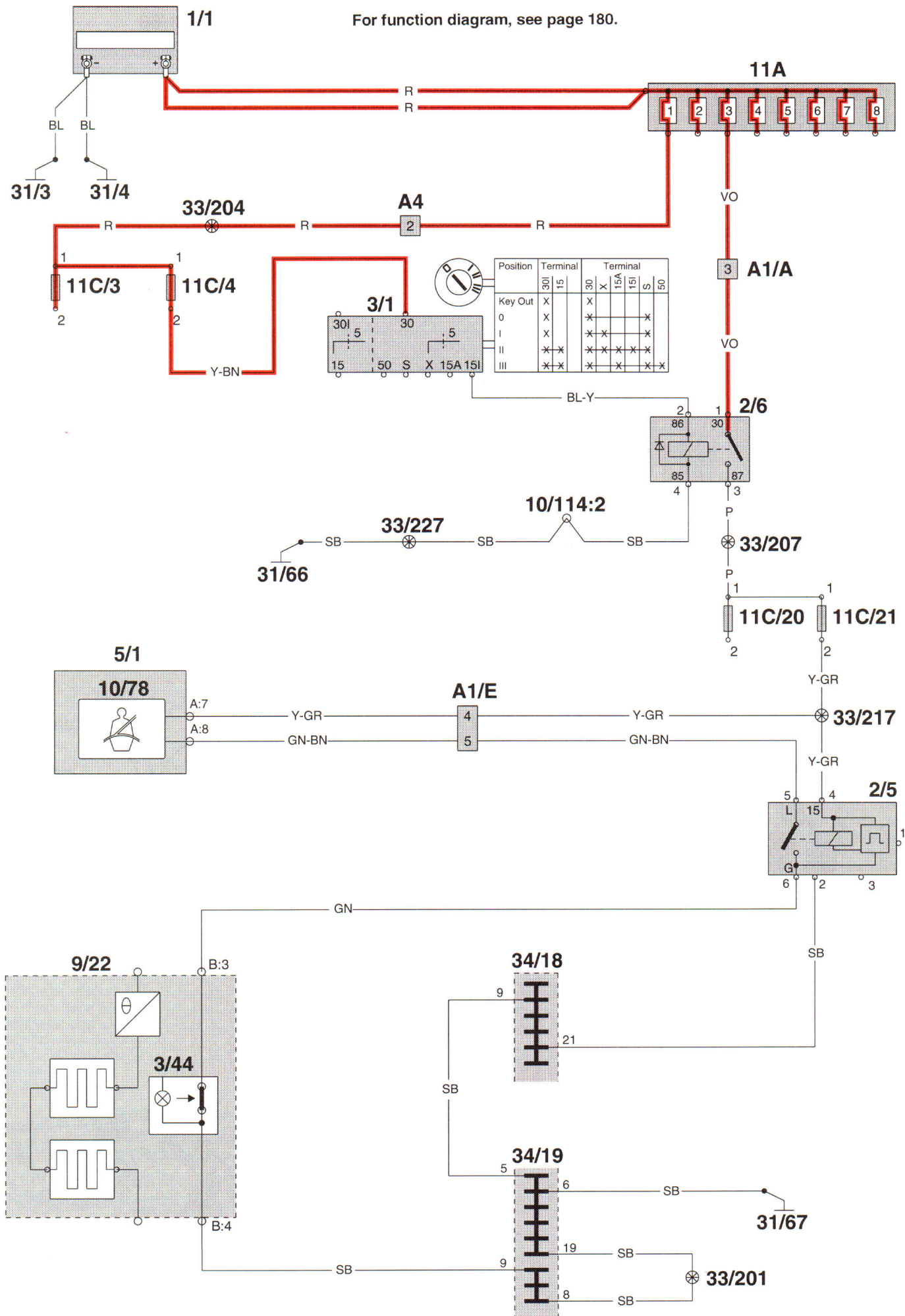
Bulb failure warning sensor

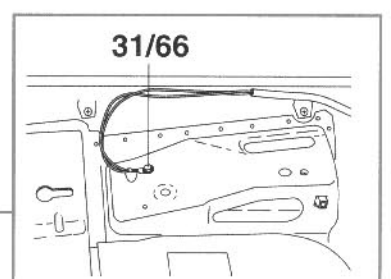
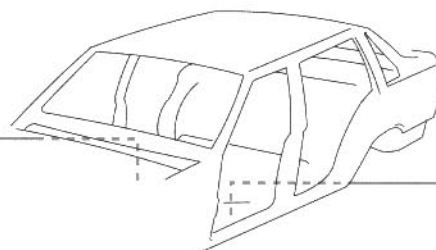
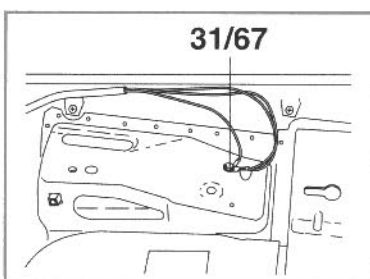
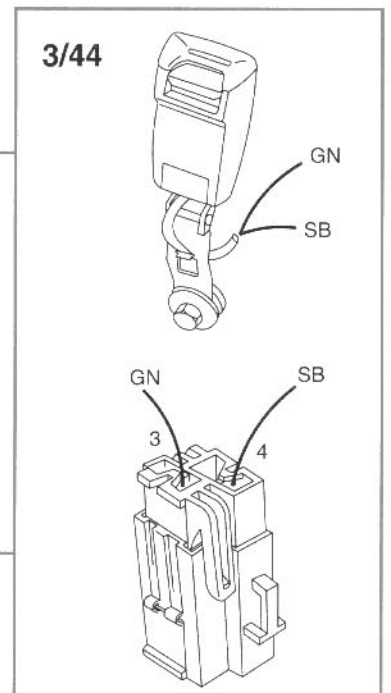
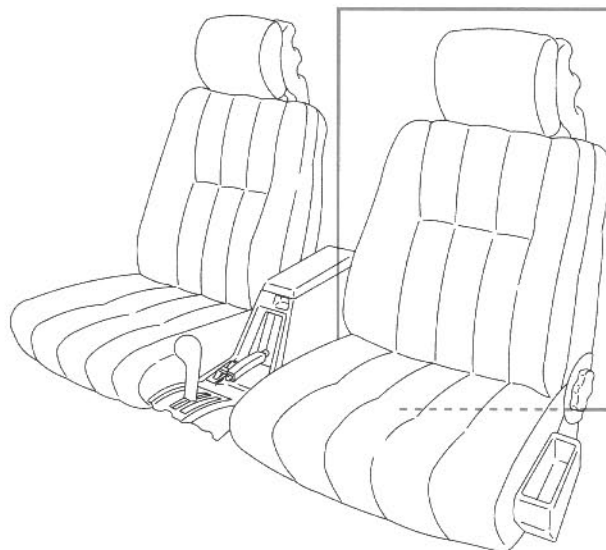
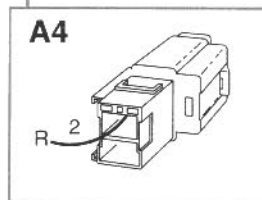
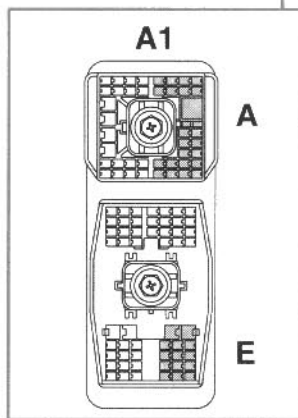
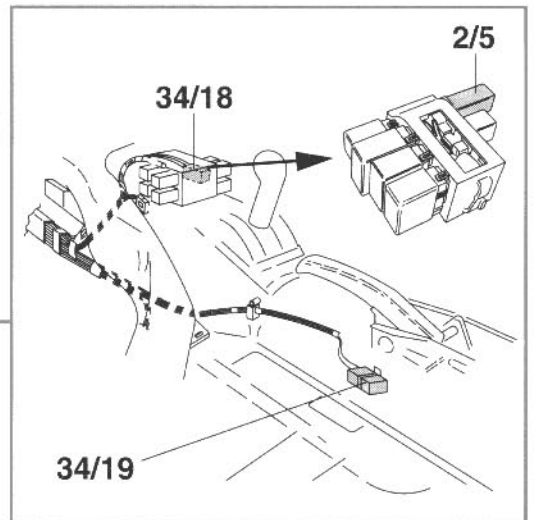
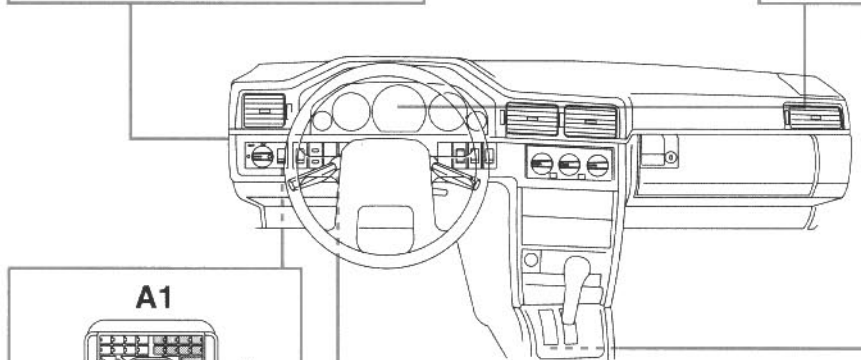
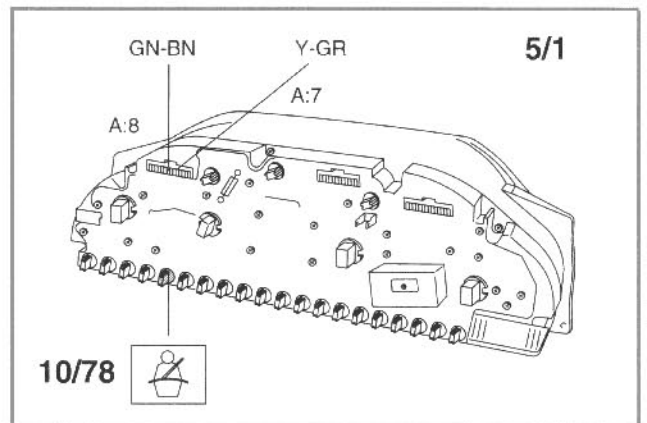
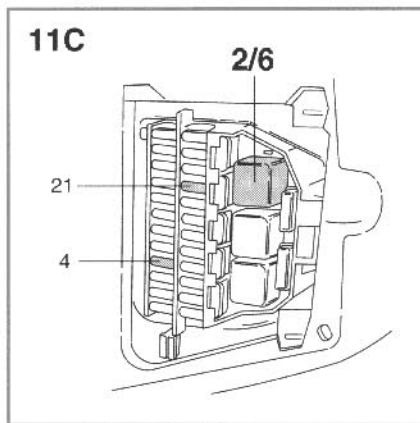
*) 4-door





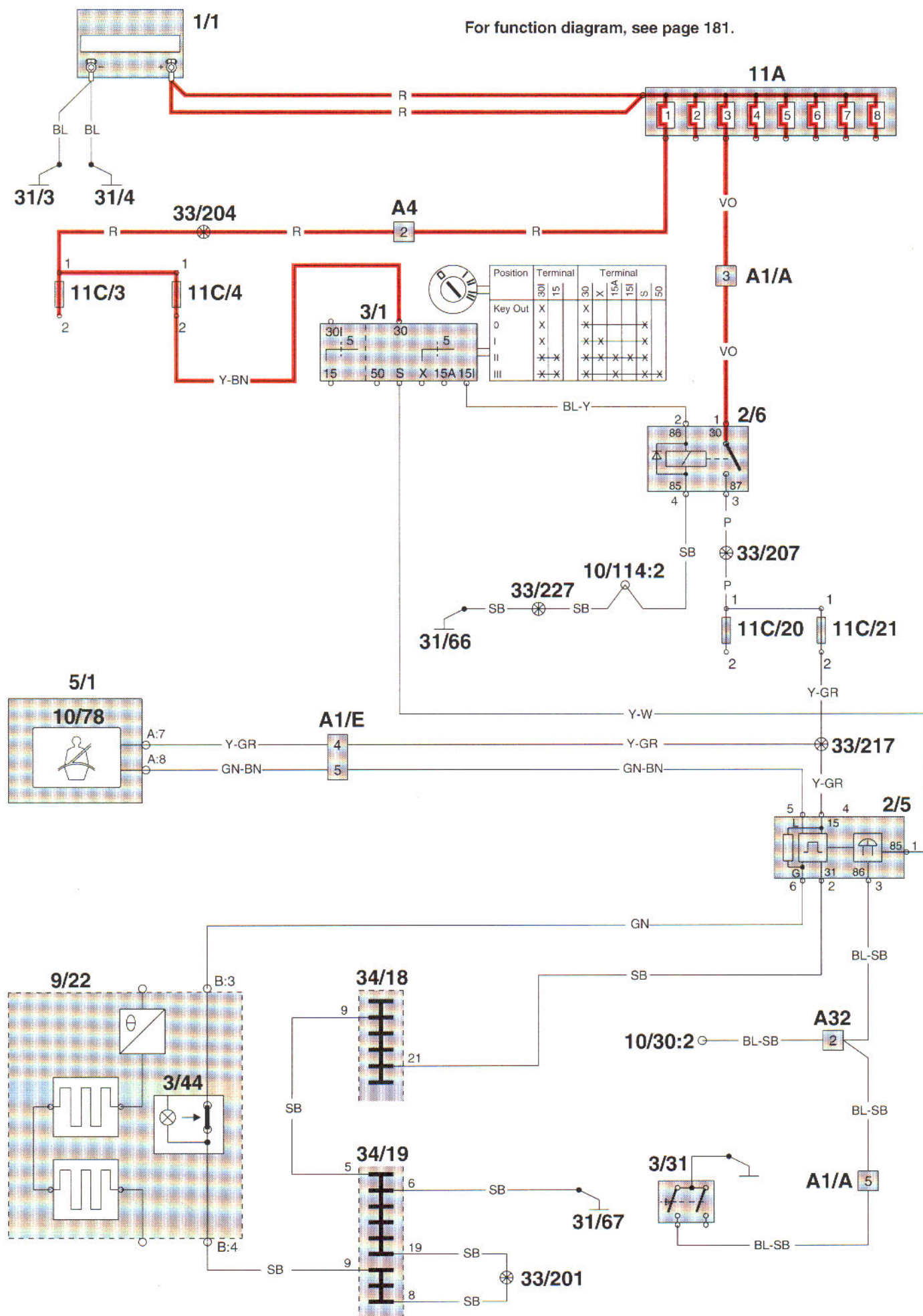
Seat belt reminder

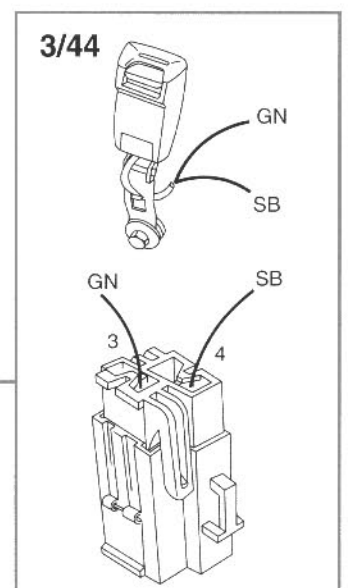
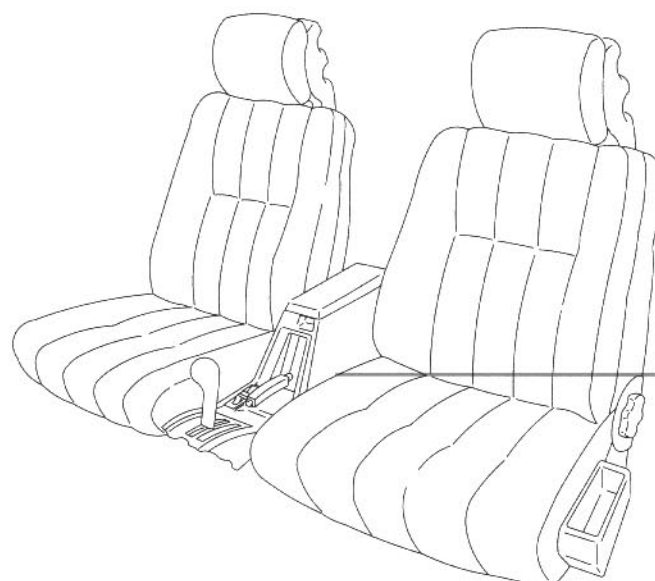
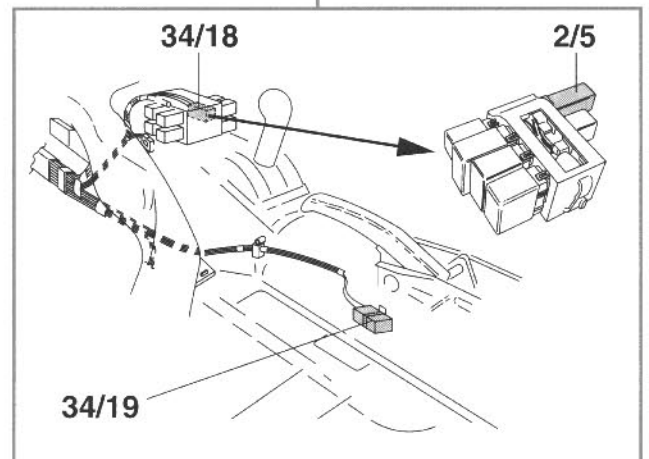
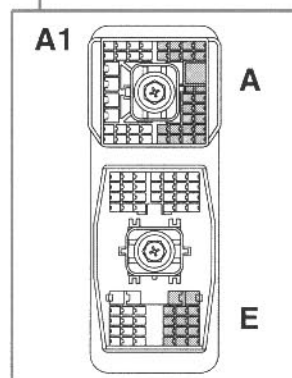
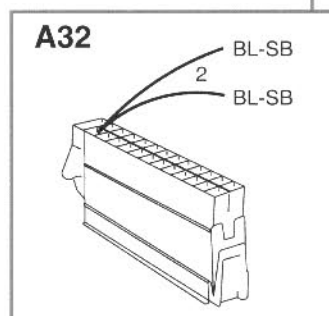
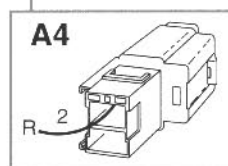
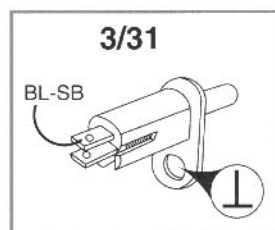
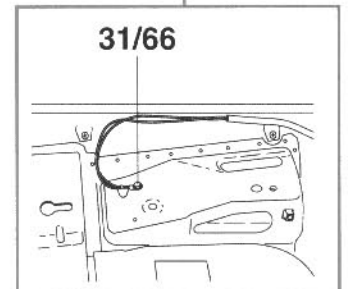
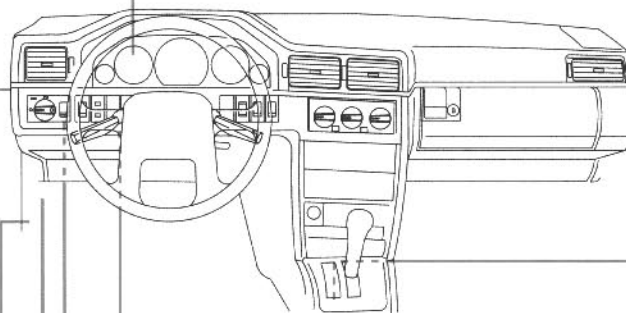
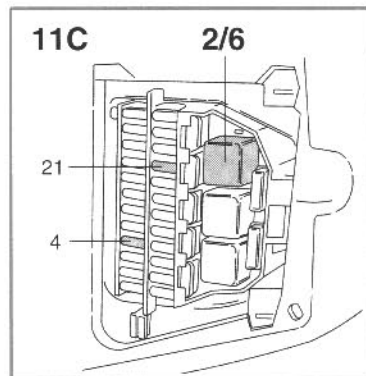
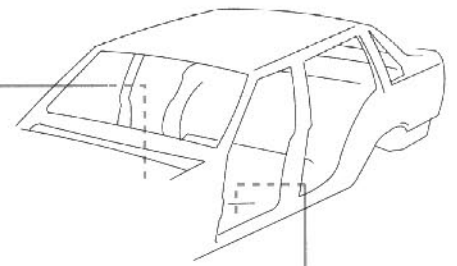
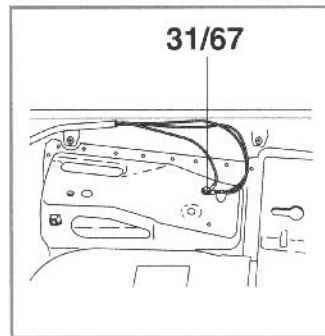
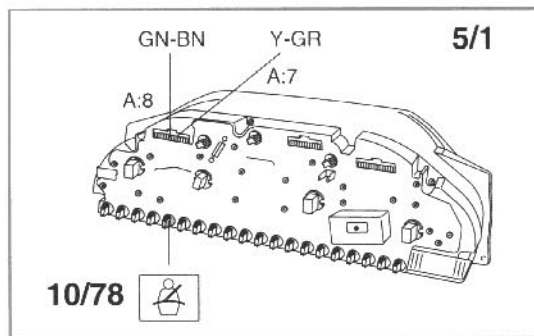




Seat belt reminder and key reminder USA/Canada and Korea

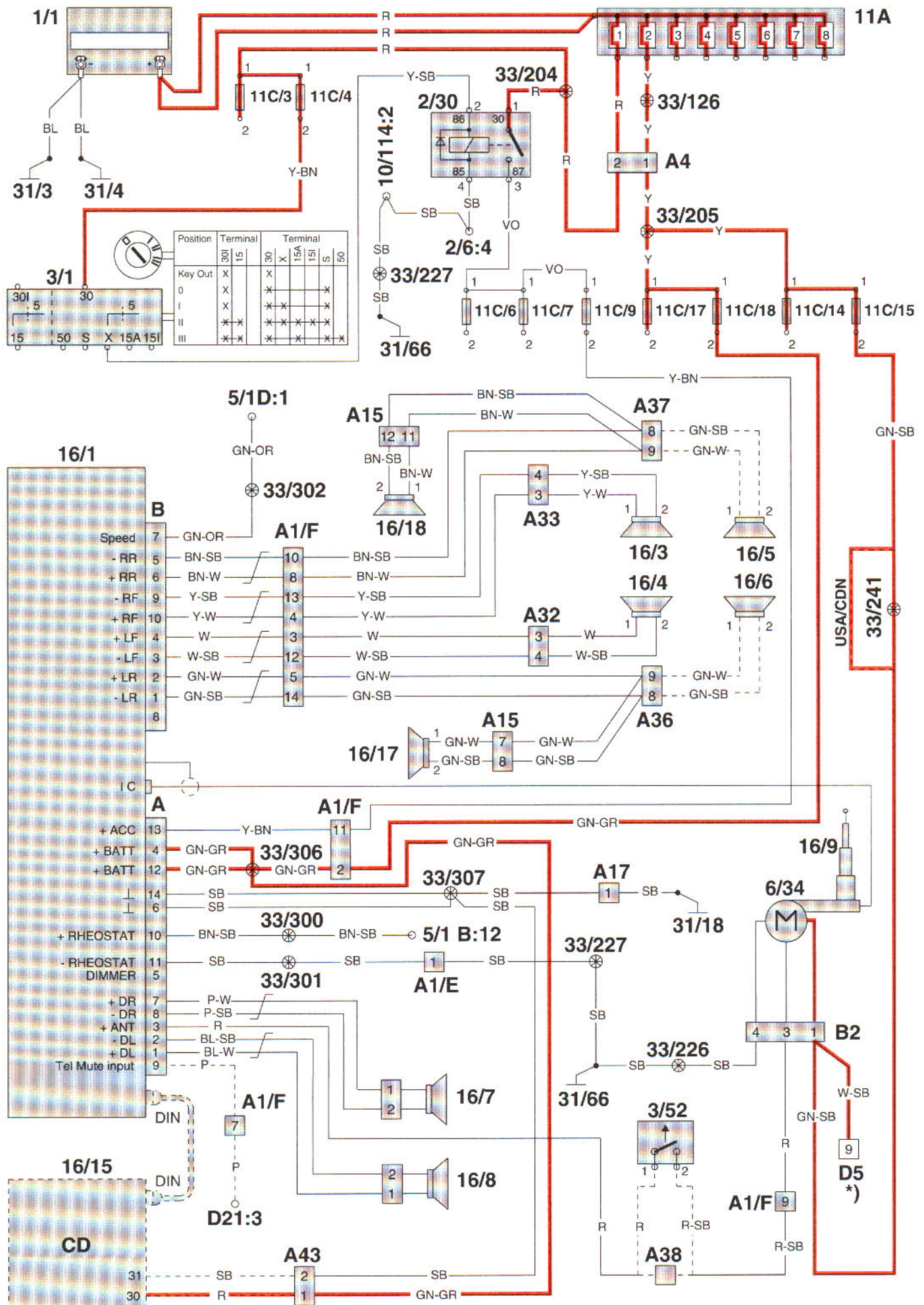
For function diagram, see page 181.

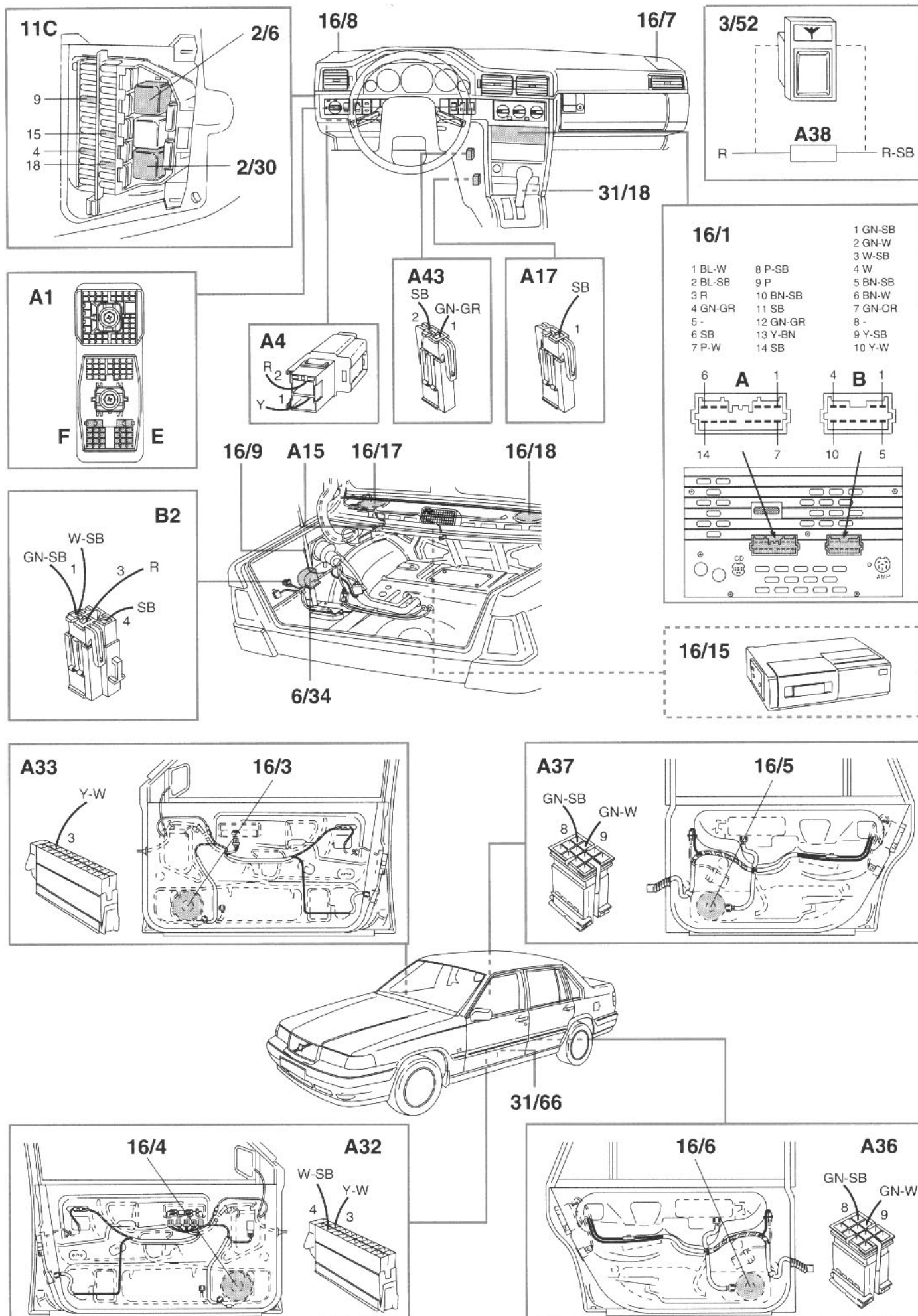




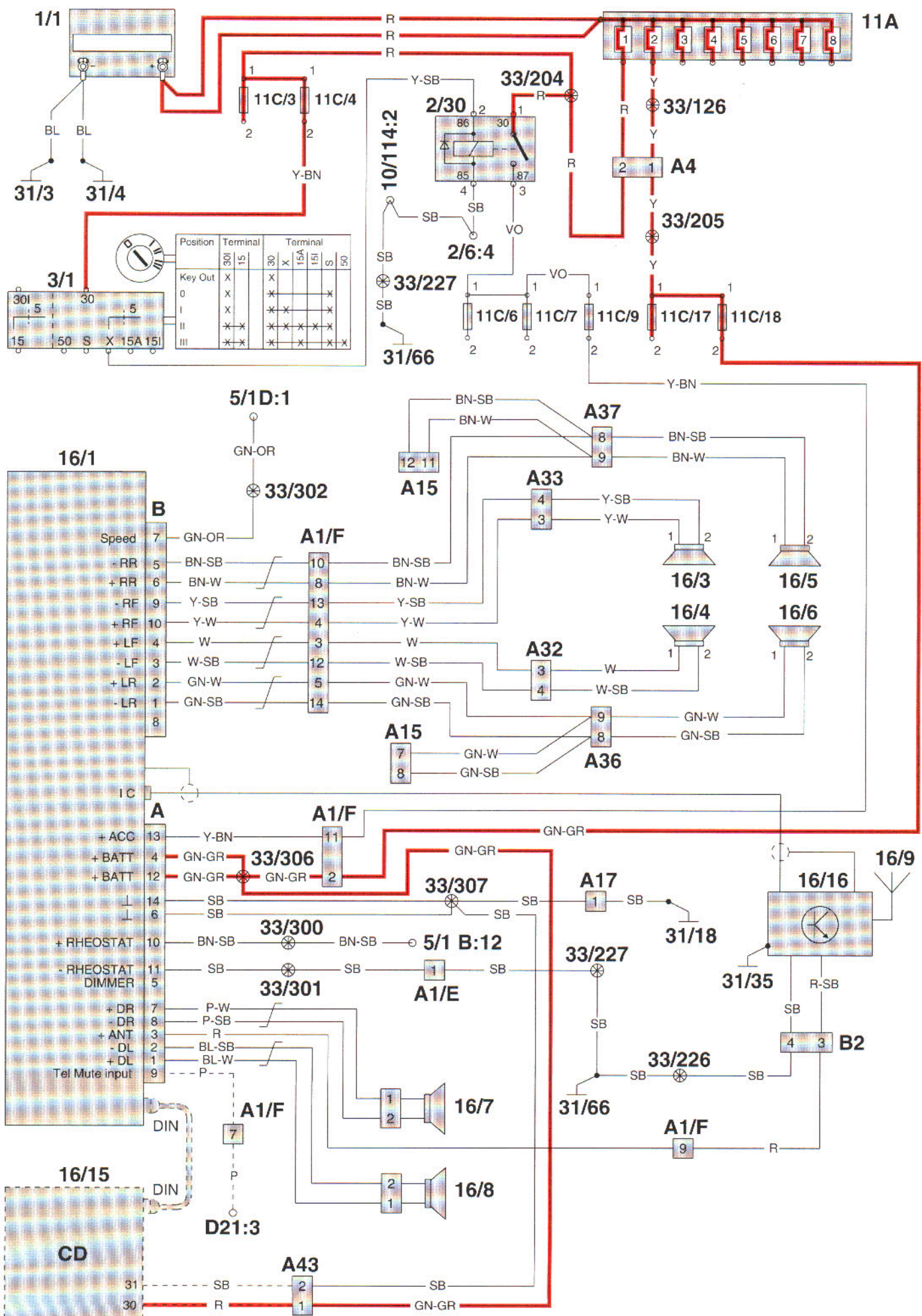
Radio connections, 4-door

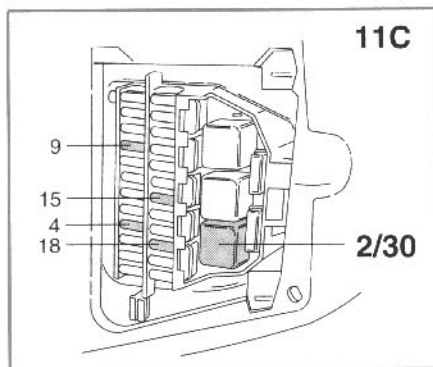
*) Not for USA/CDN





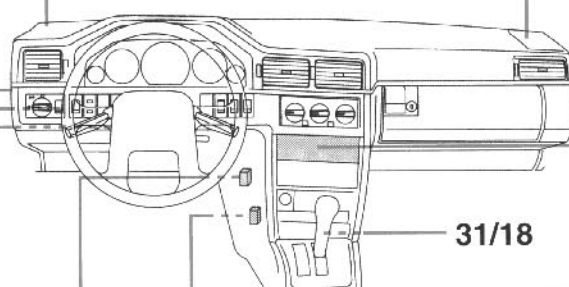
Radio connections, 5-door





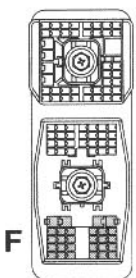
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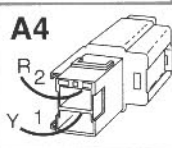


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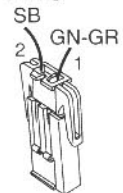
A1



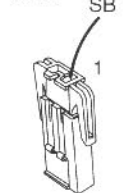
A4



A43

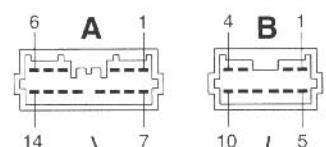


A17

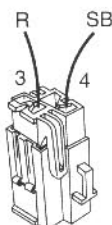


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- | | | |
|---------|----------|---------|
| 1 BL-W | 8 P-SB | 1 GN-SB |
| 2 BL-SB | 9 P | 2 GN-W |
| 3 R | 10 BN-SB | 3 W-SB |
| 4 GN-GR | 11 SB | 4 W |
| 5 - | 12 GN-GR | 5 BN-SB |
| 6 SB | 13 Y-BN | 6 BN-W |
| 7 P-W | 14 SB | 7 GN-OR |
| | | 8 - |
| | | 9 Y-SB |
| | | 10 Y-W |

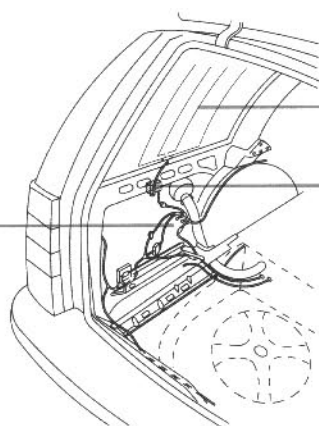


B2

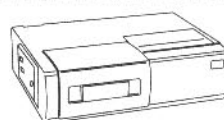


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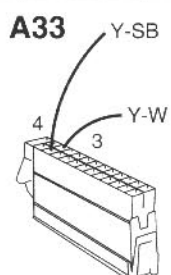
16/16



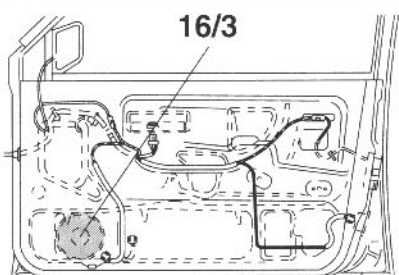
16/15



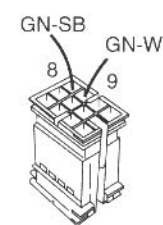
A33



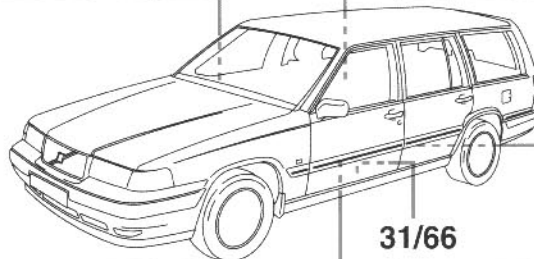
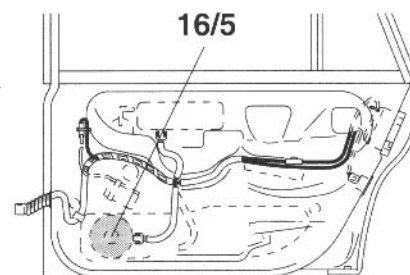
16/3



A37



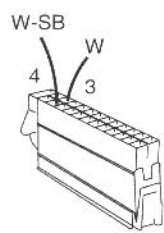
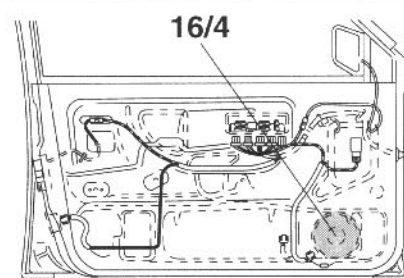
16/5



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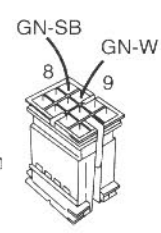
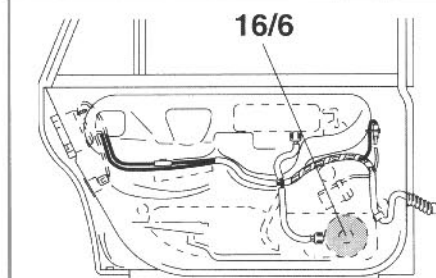
16/4

A32

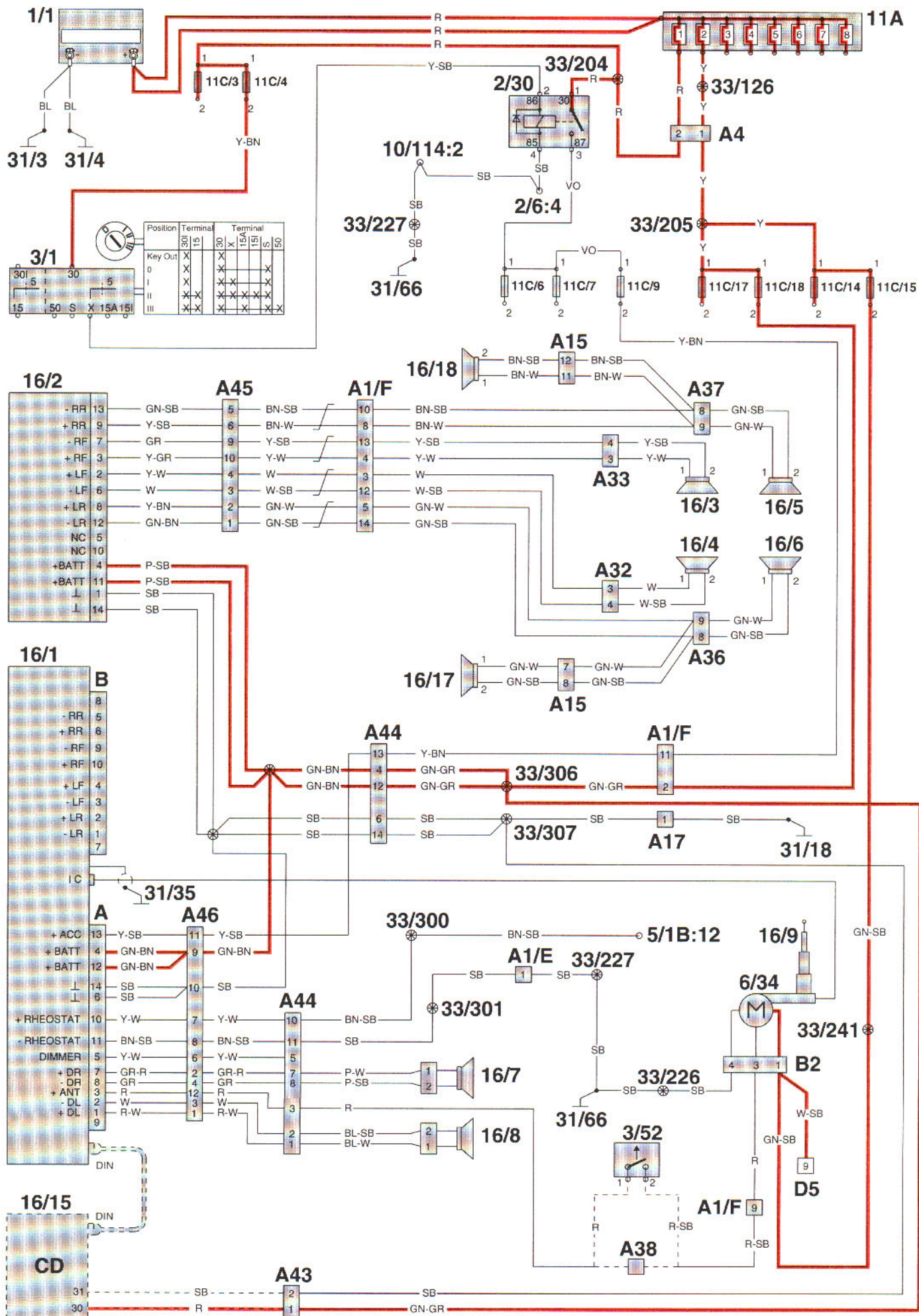


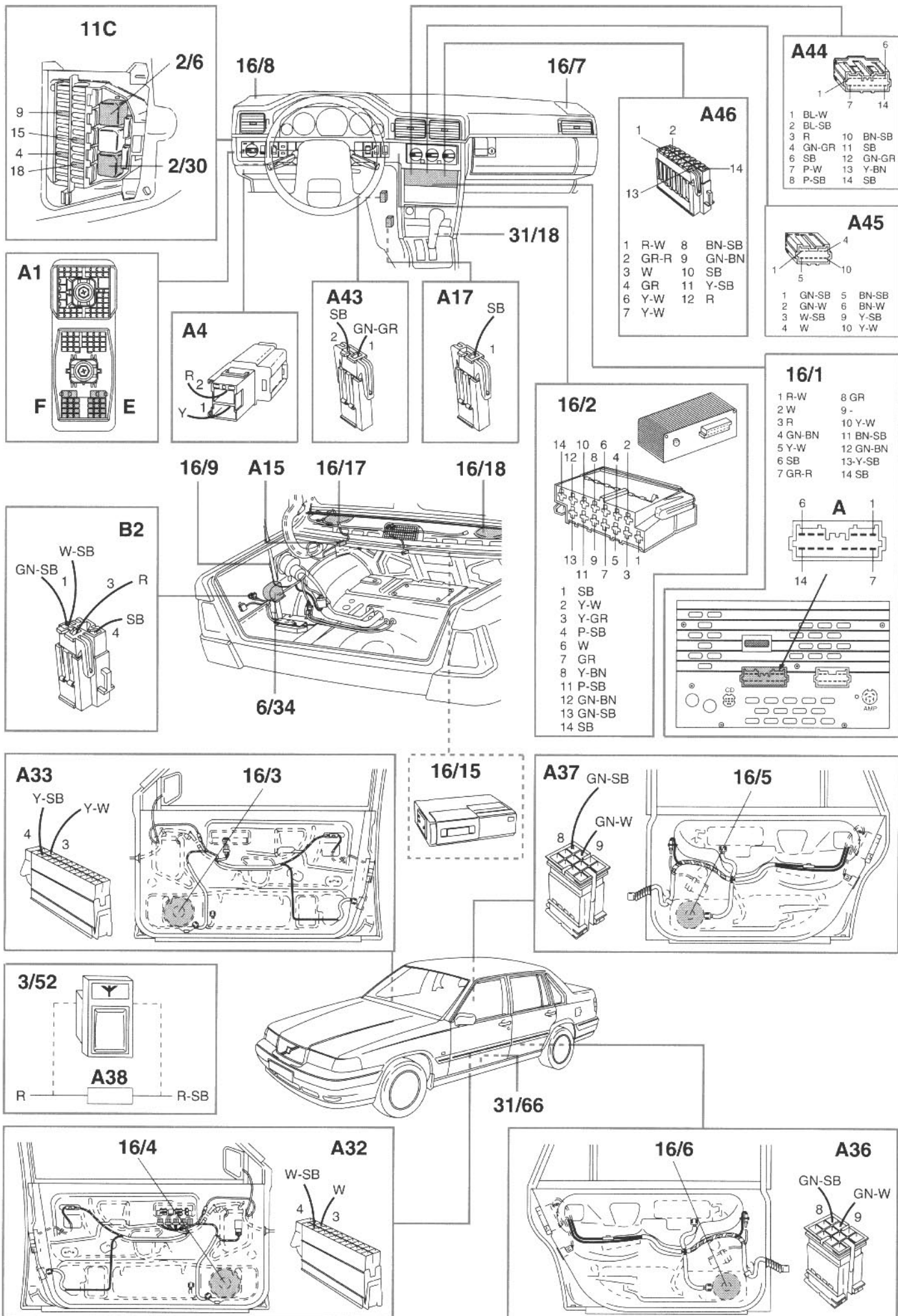
16/6

A36

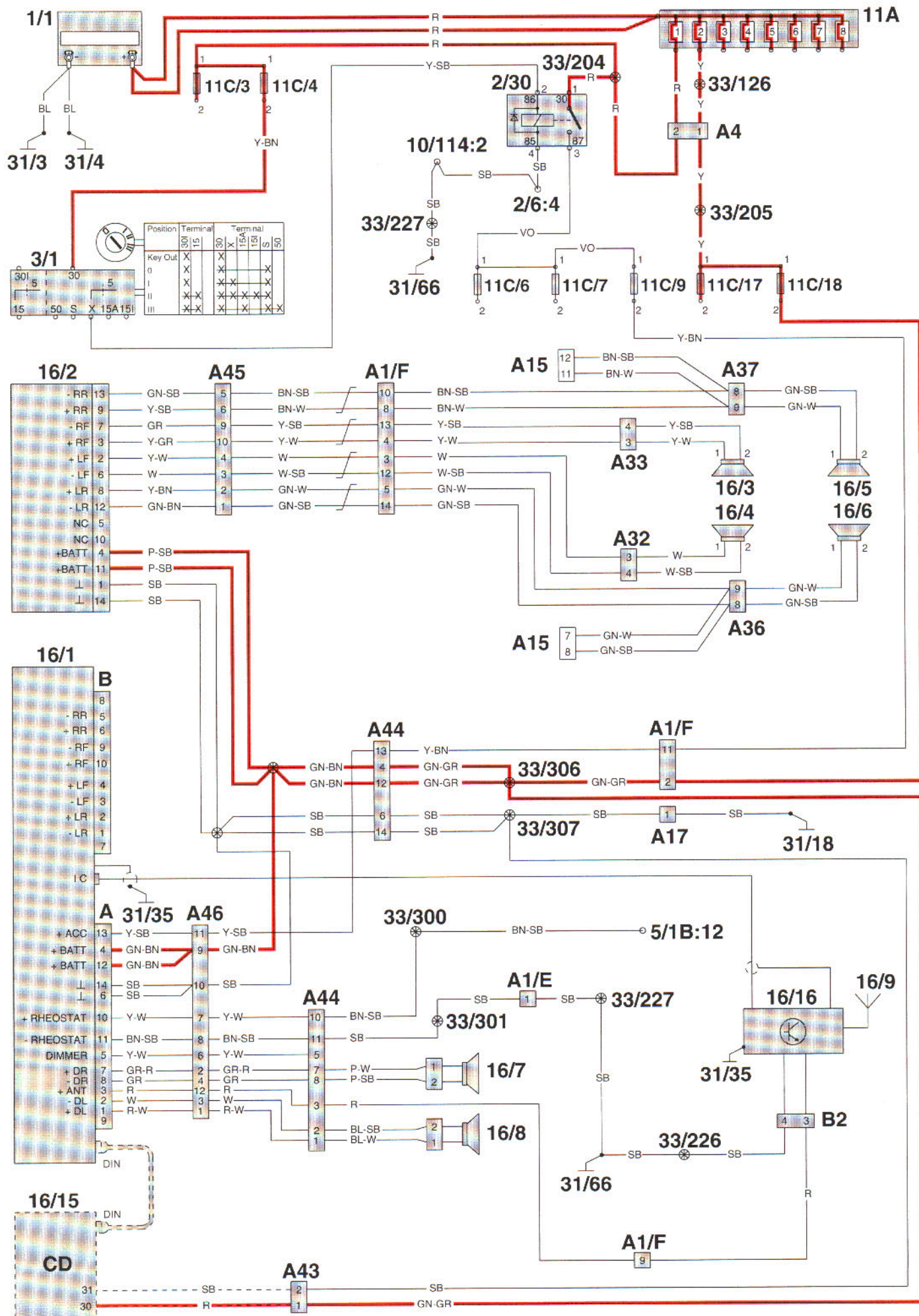


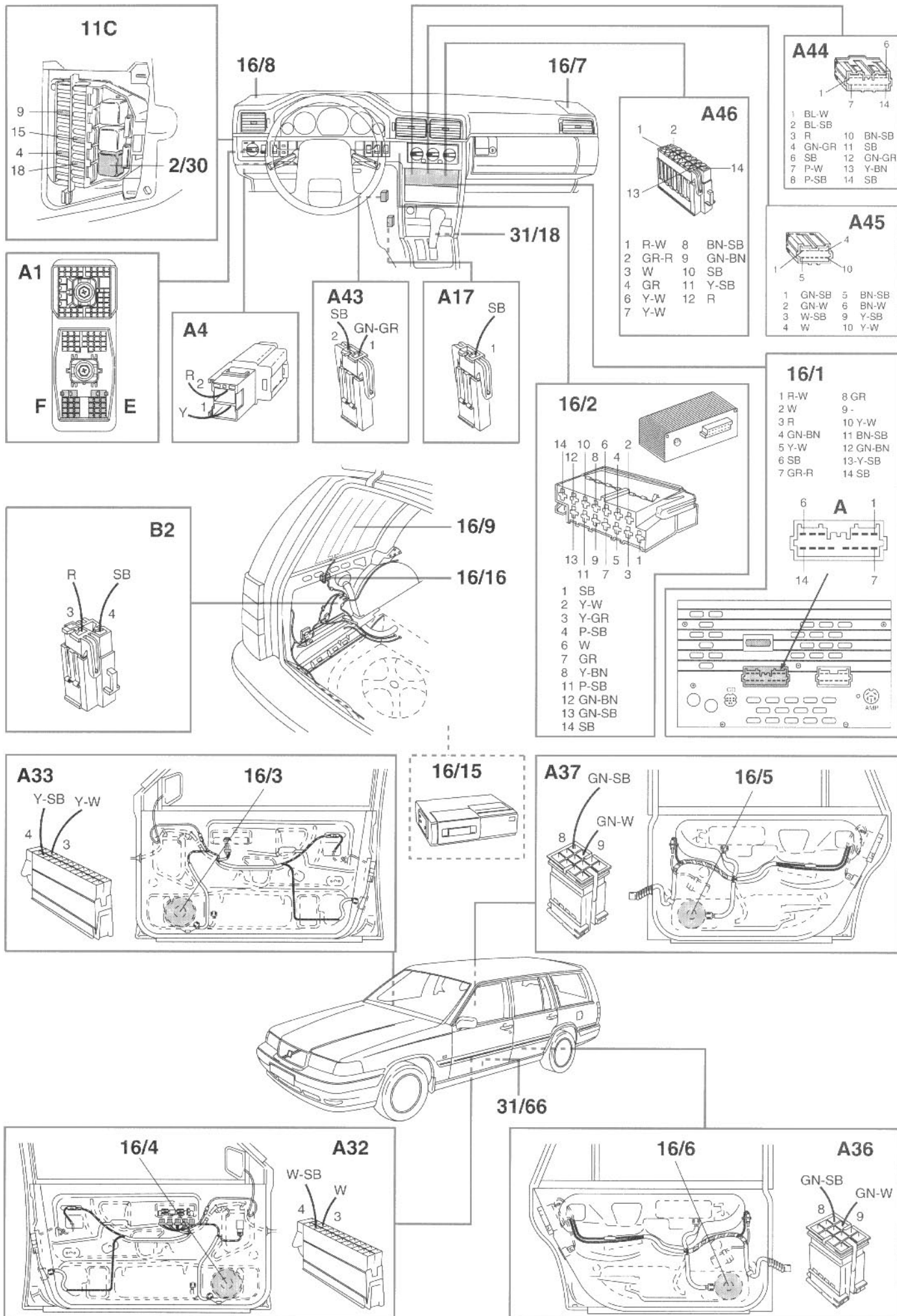
Radio connections with booster amplifier, 4-door



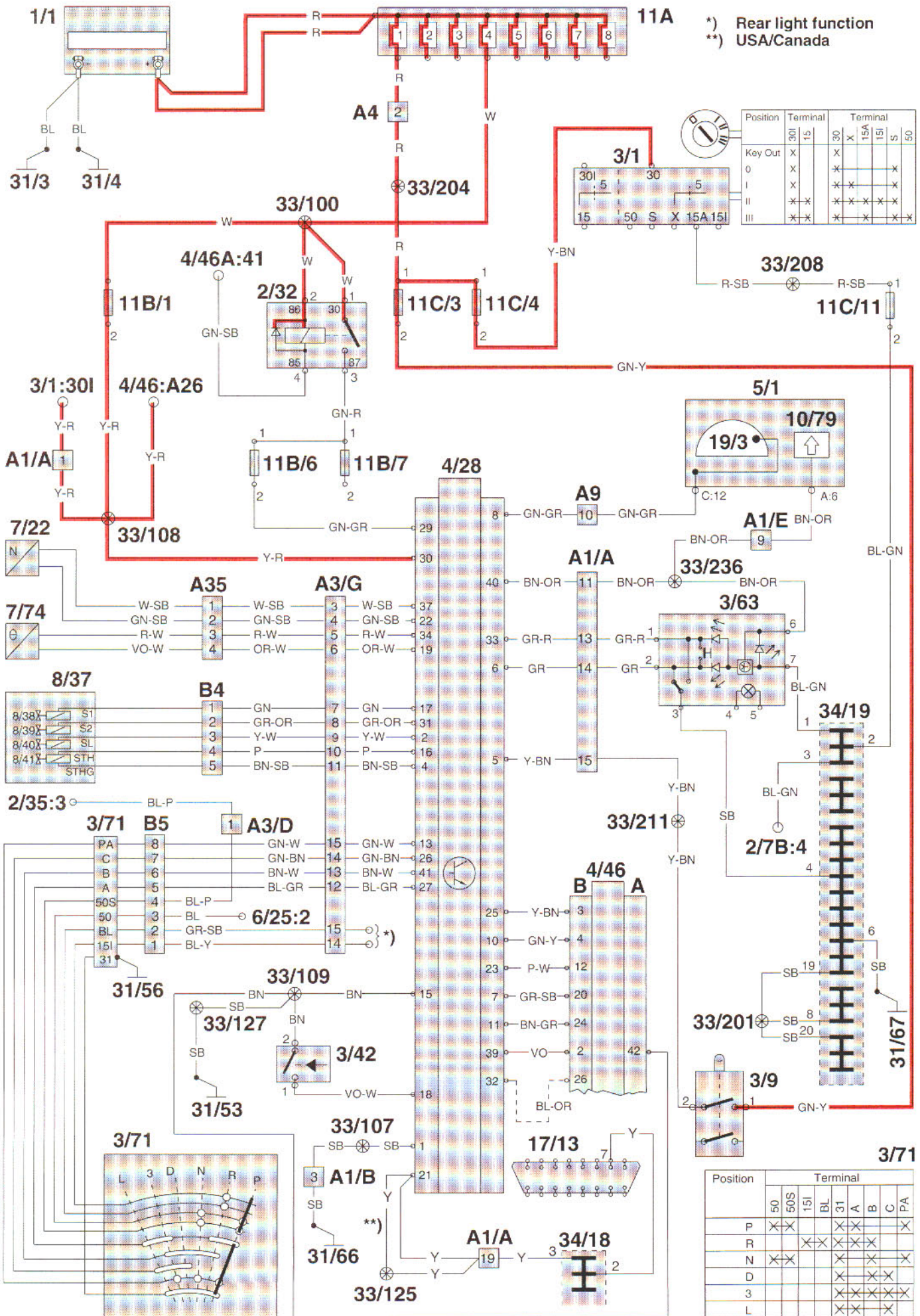


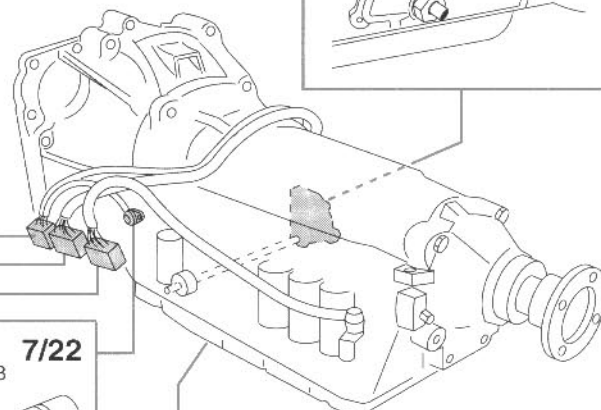
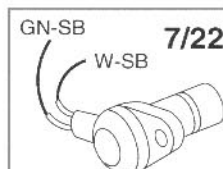
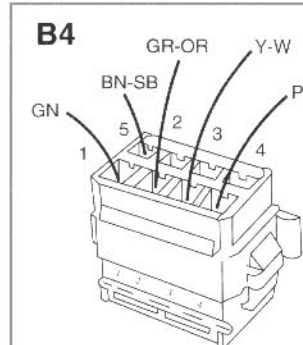
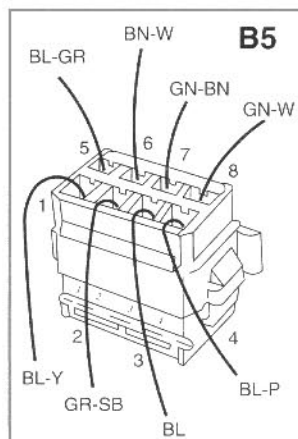
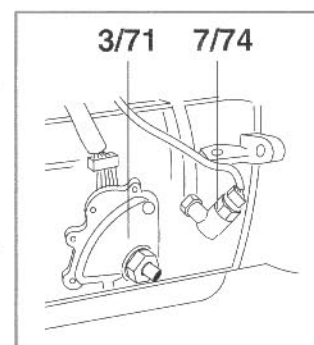
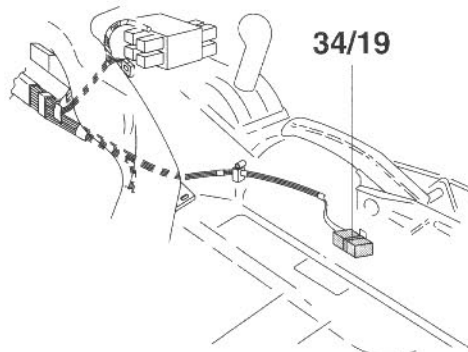
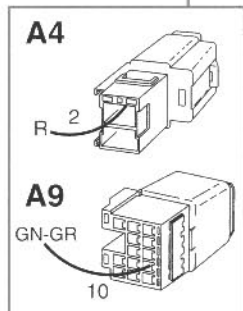
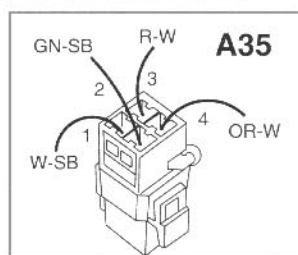
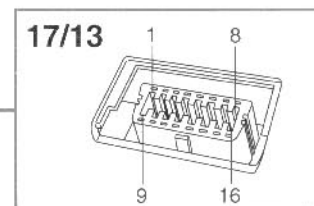
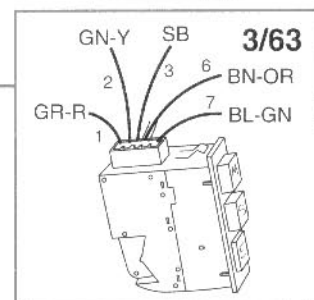
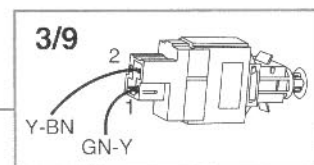
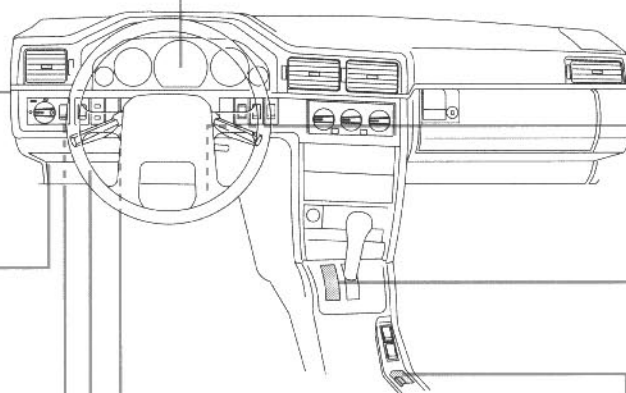
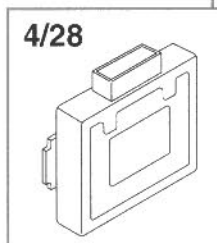
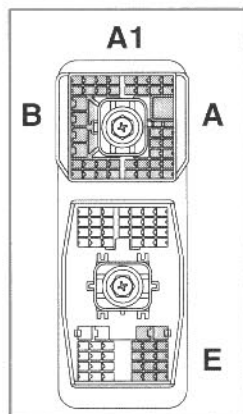
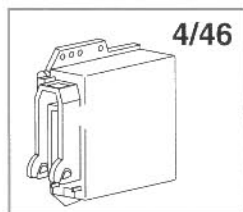
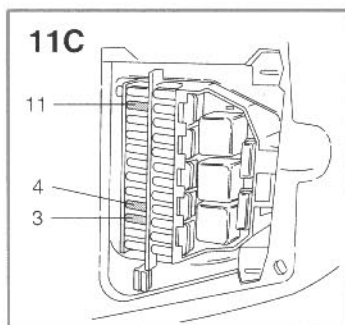
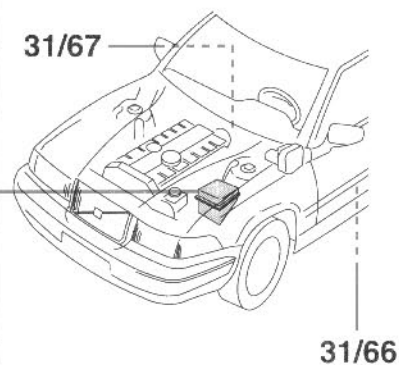
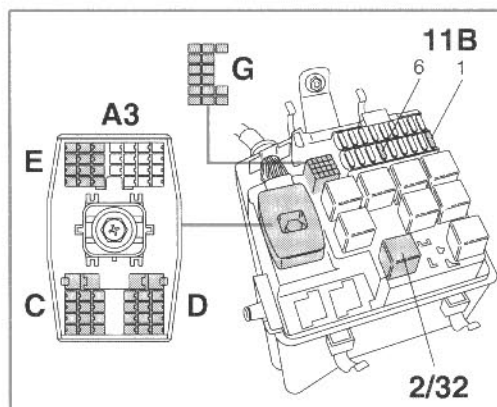
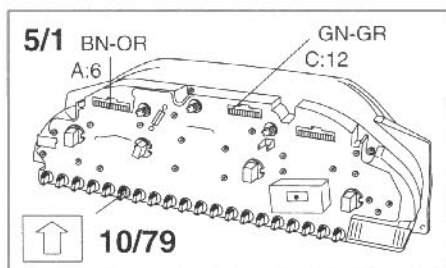
Radio connections with booster amplifier, 5-door





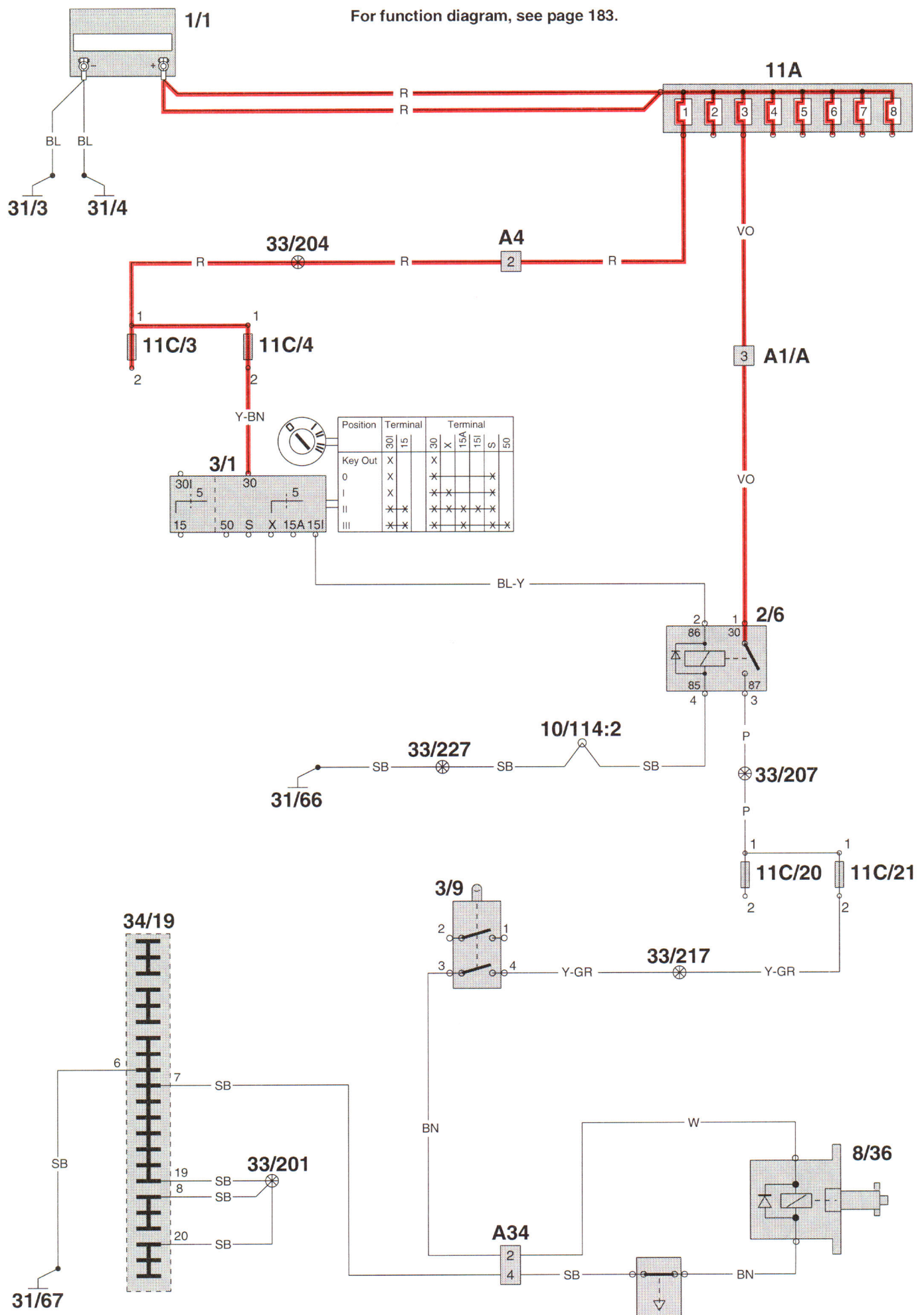
Electronically controlled automatic transmission AW30-40/43

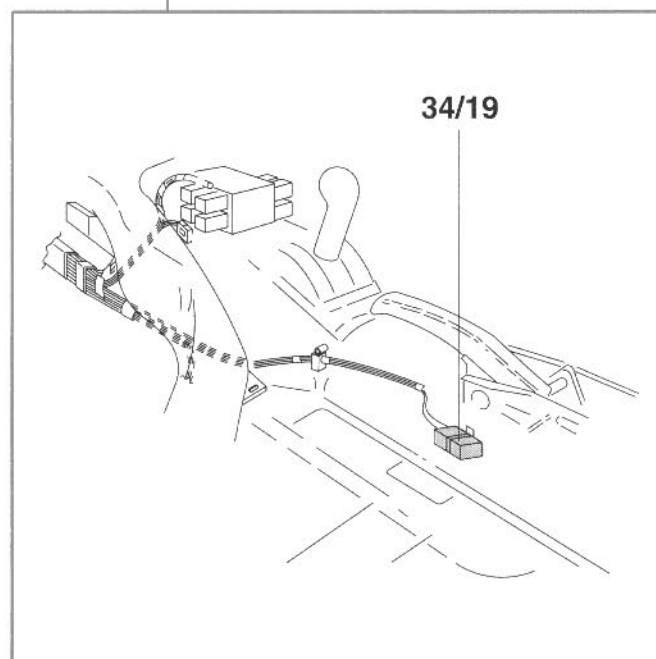
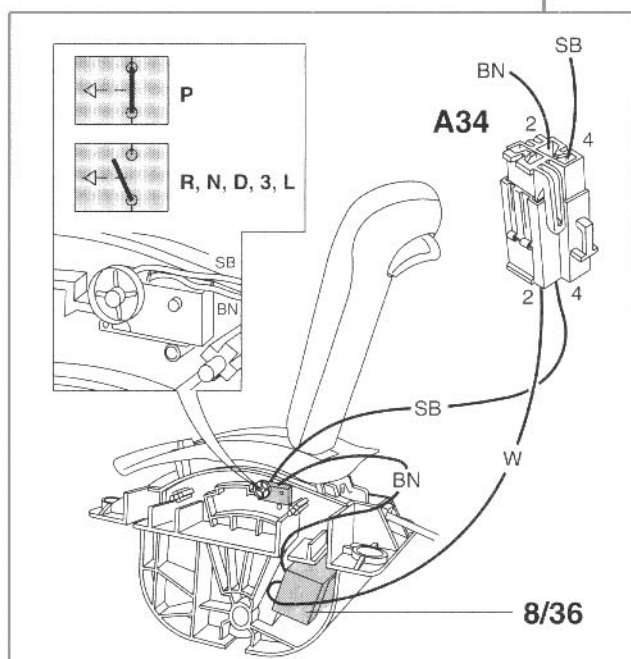
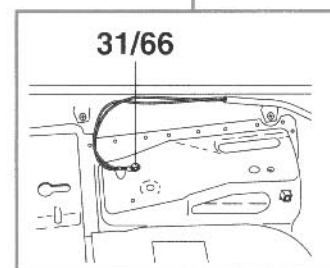
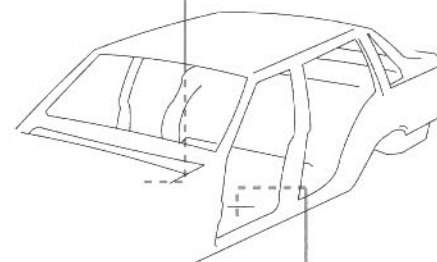
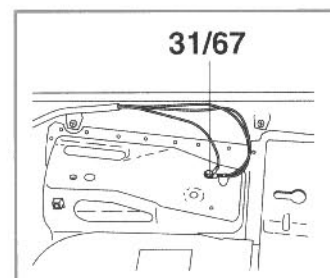
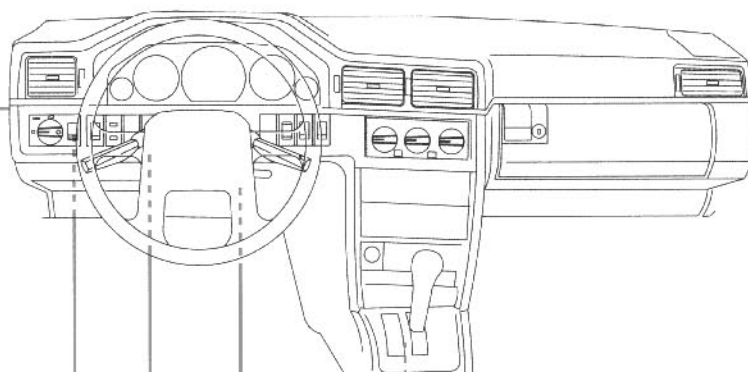
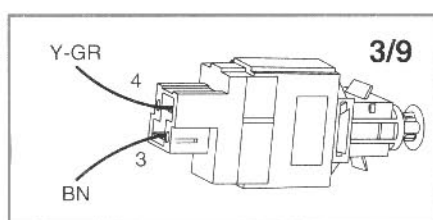
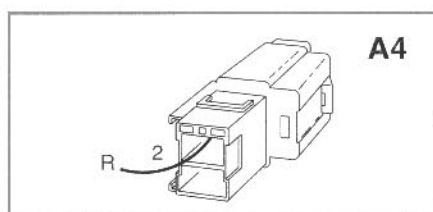
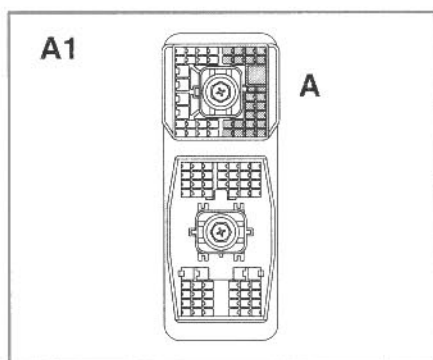
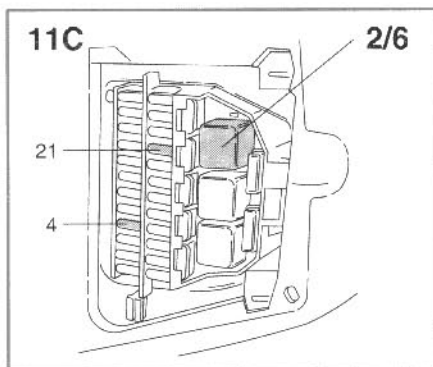




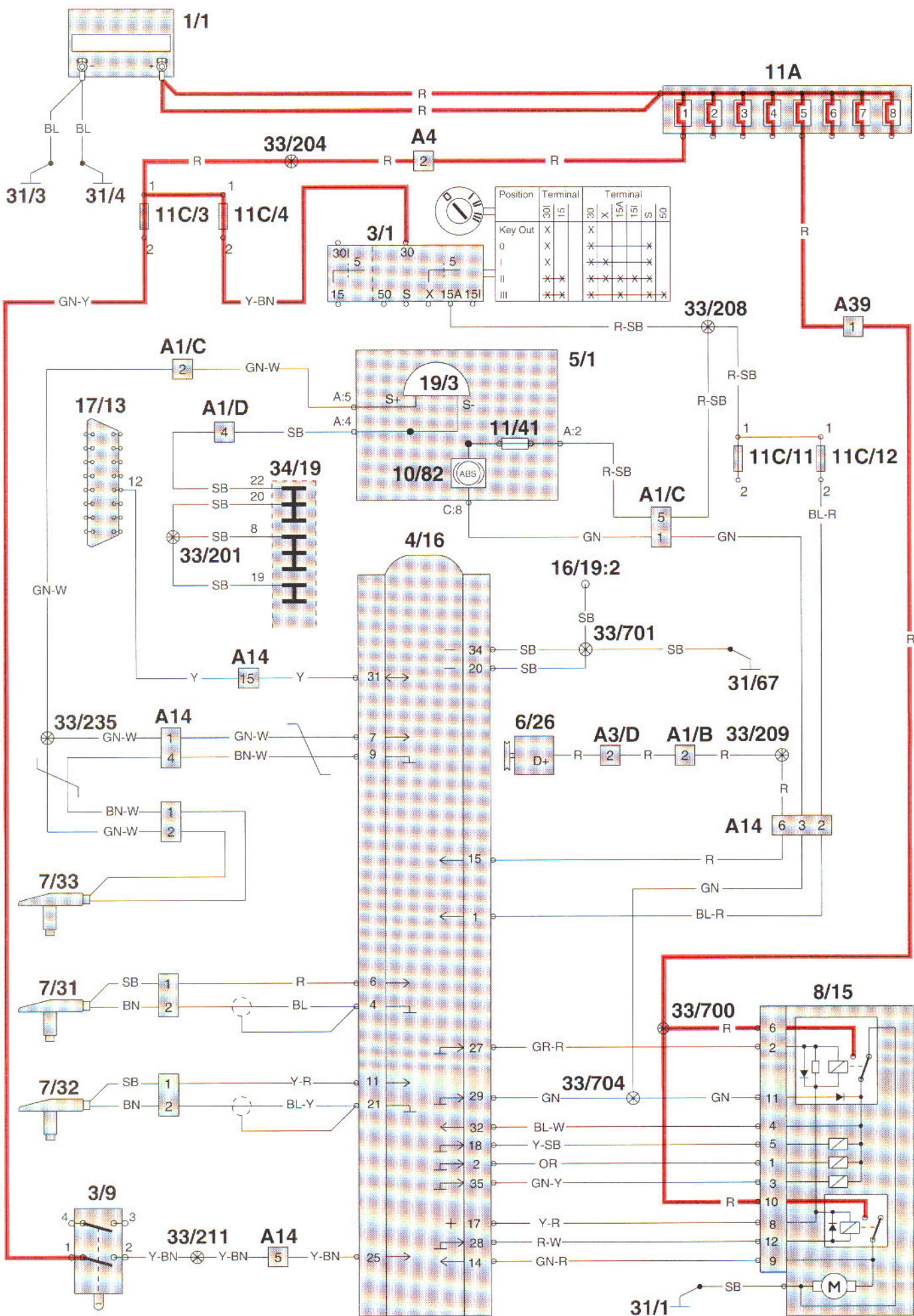
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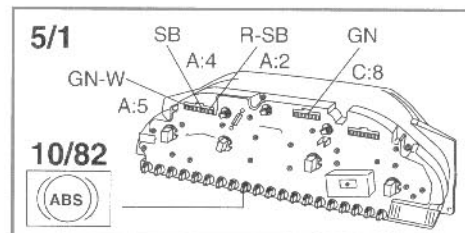
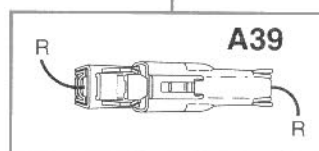
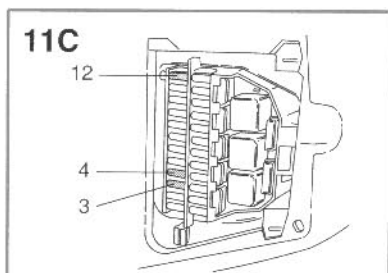
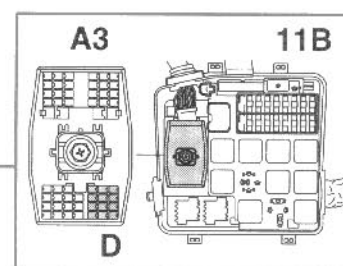
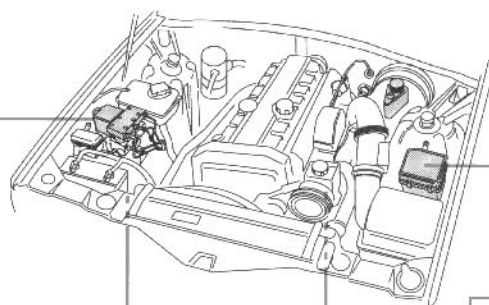
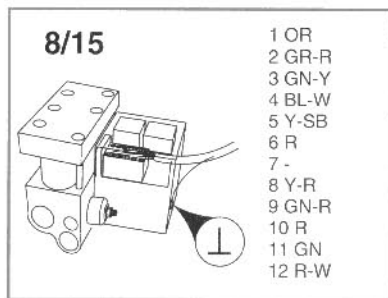
P-shift lock, automatic transmission



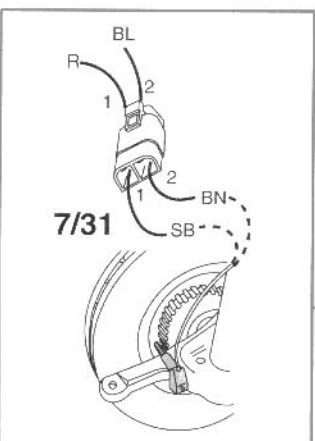
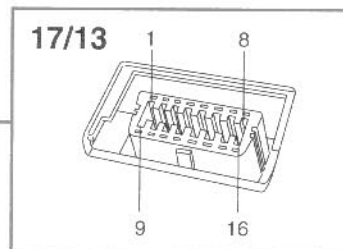
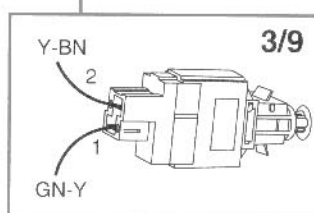
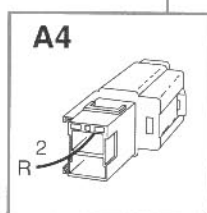
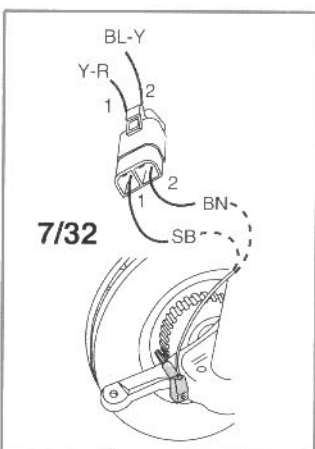
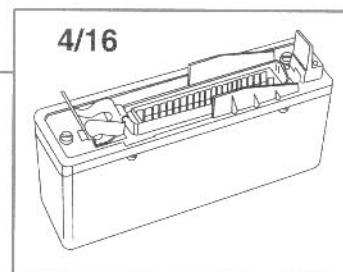
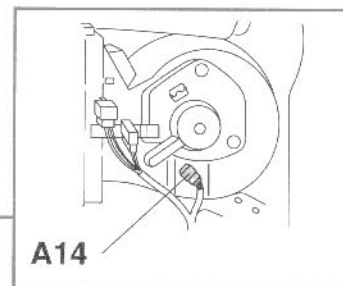
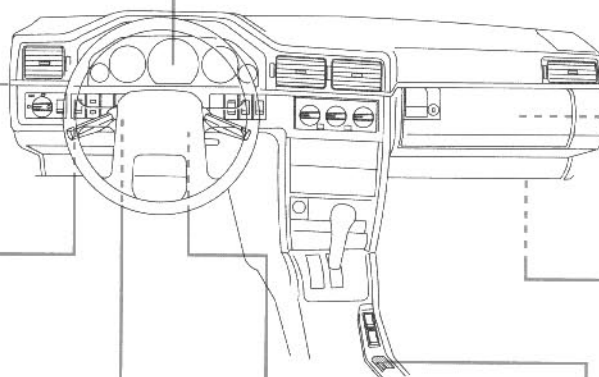
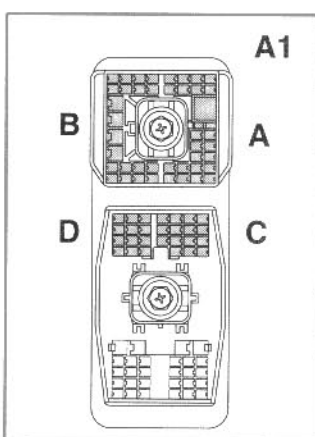


Anti-lock braking system ABS



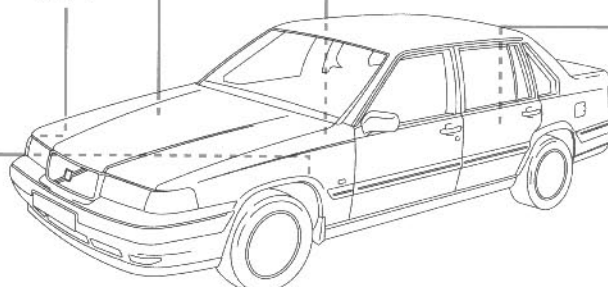


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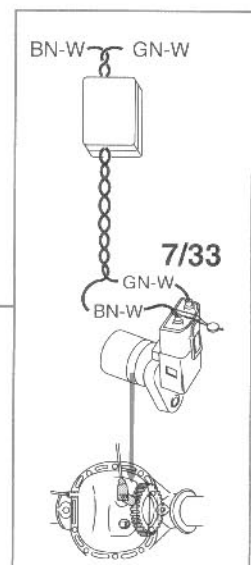
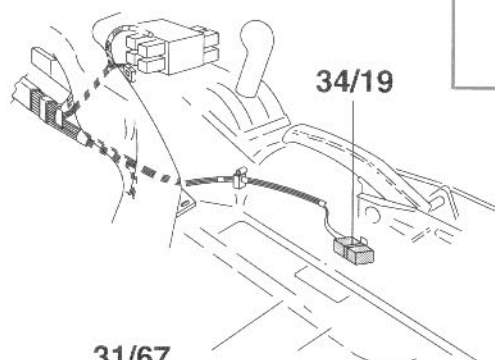


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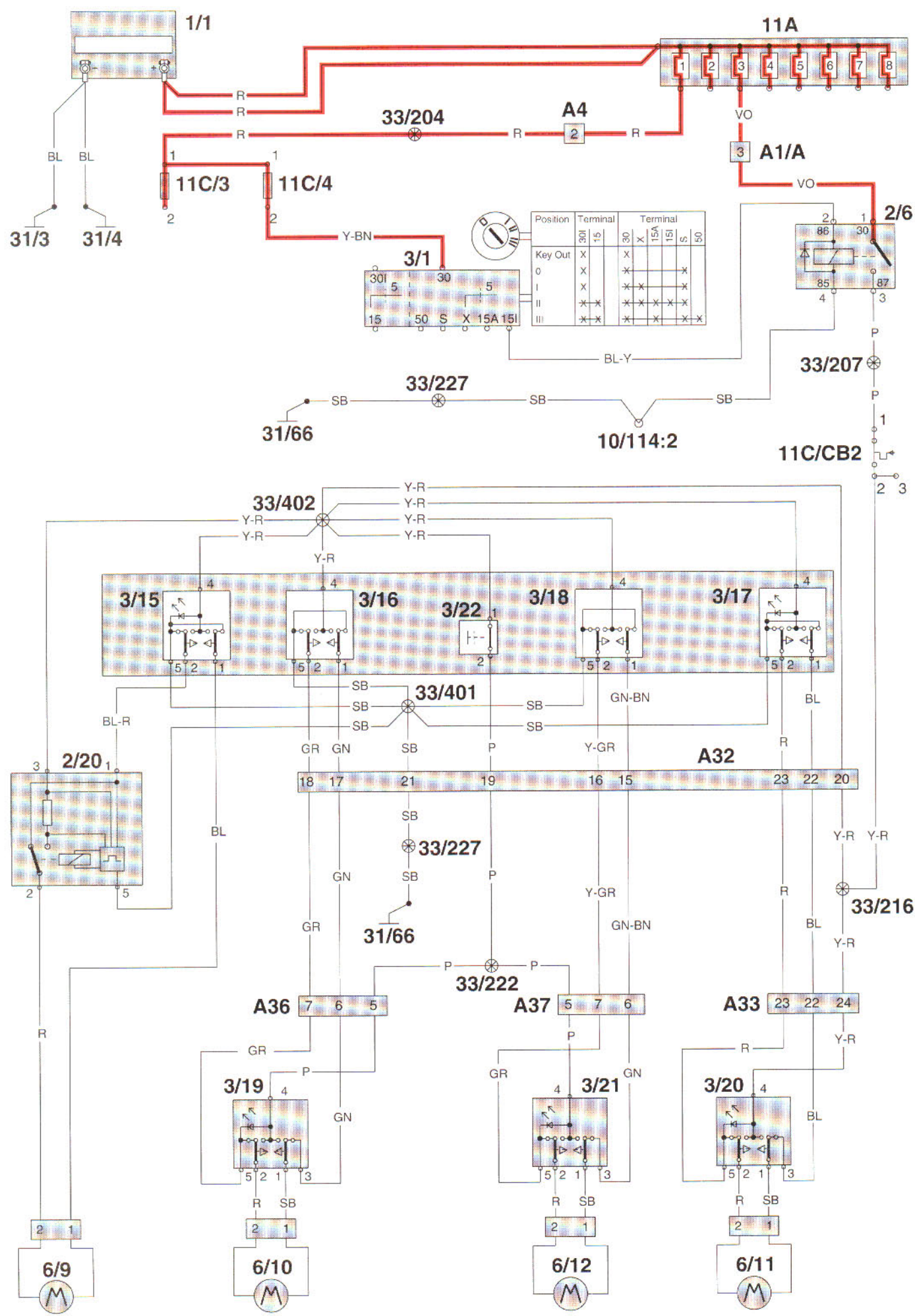


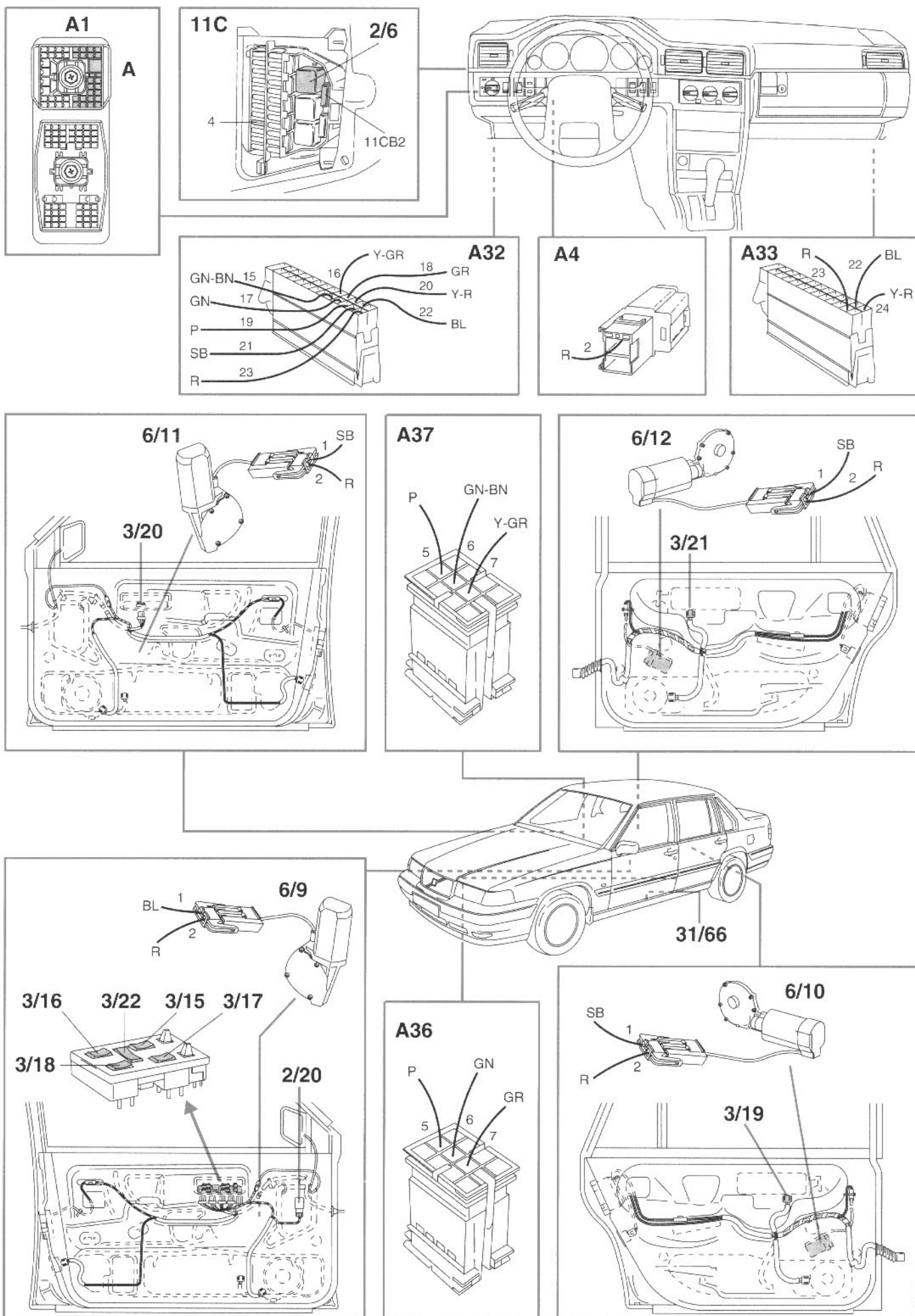
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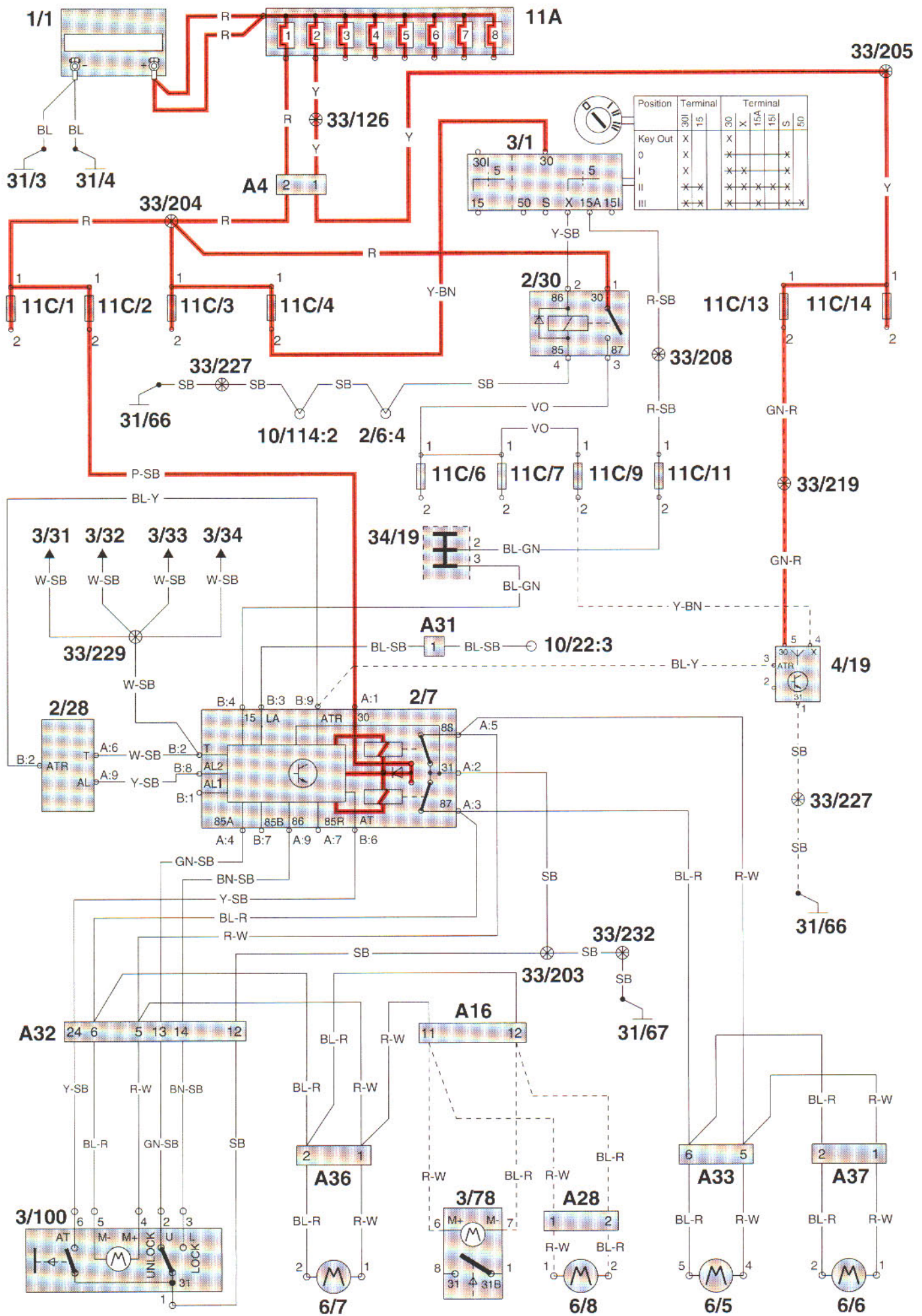
Power windows

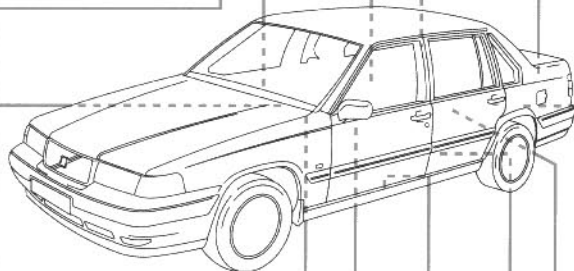
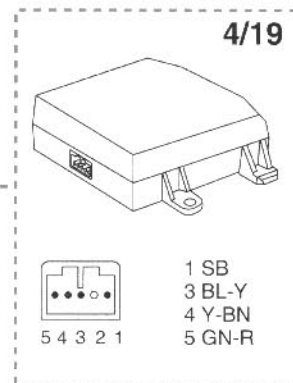
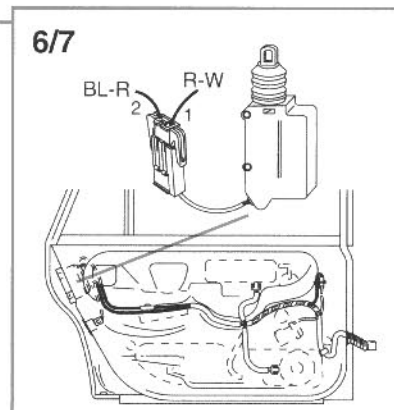
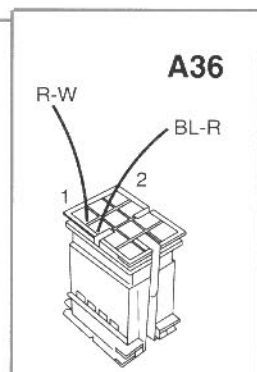
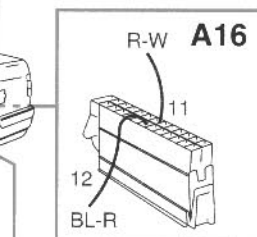
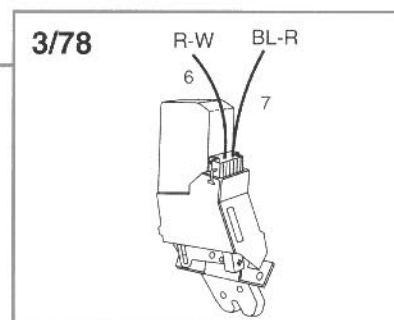
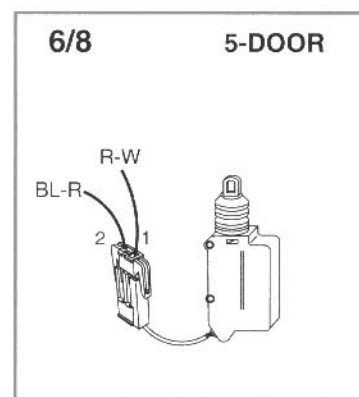
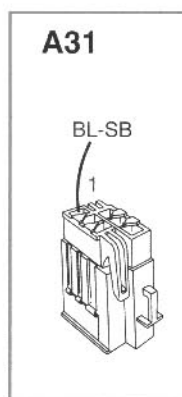
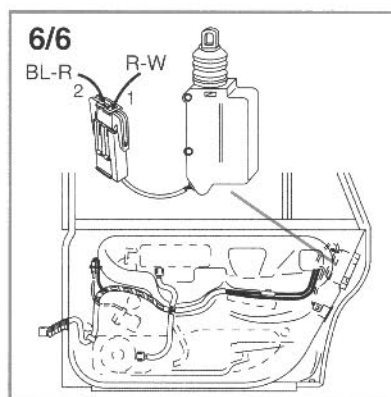
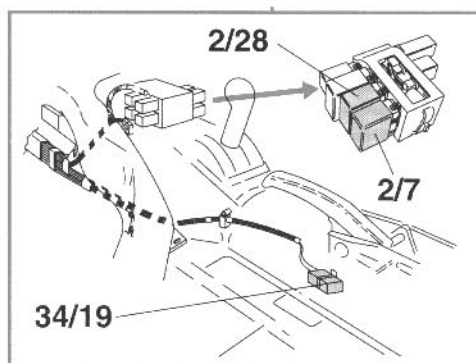
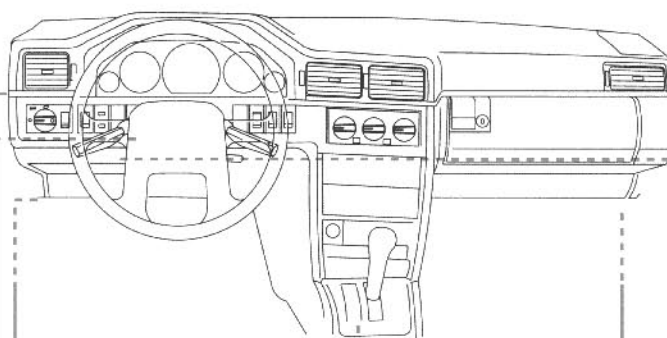
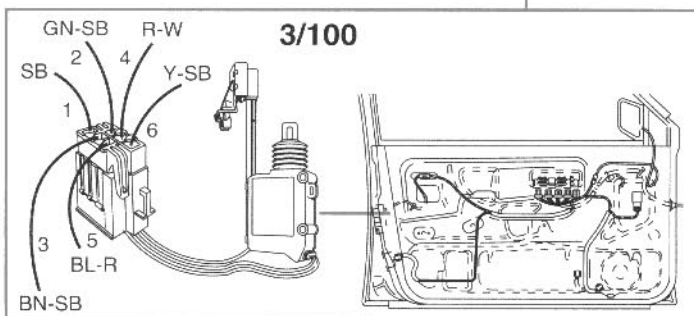
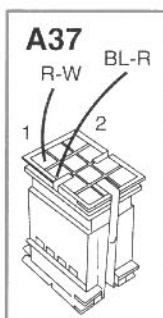
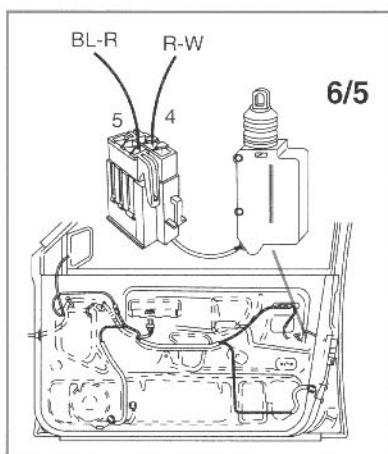
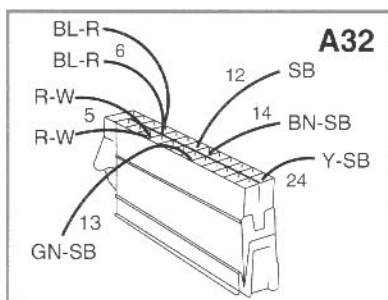
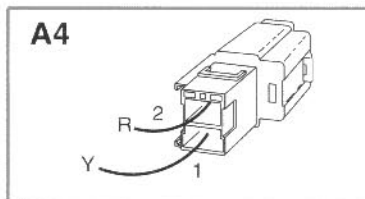
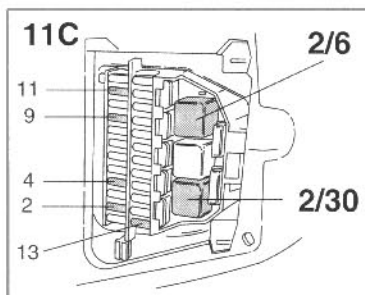
For function diagram, see pages 184 - 188.



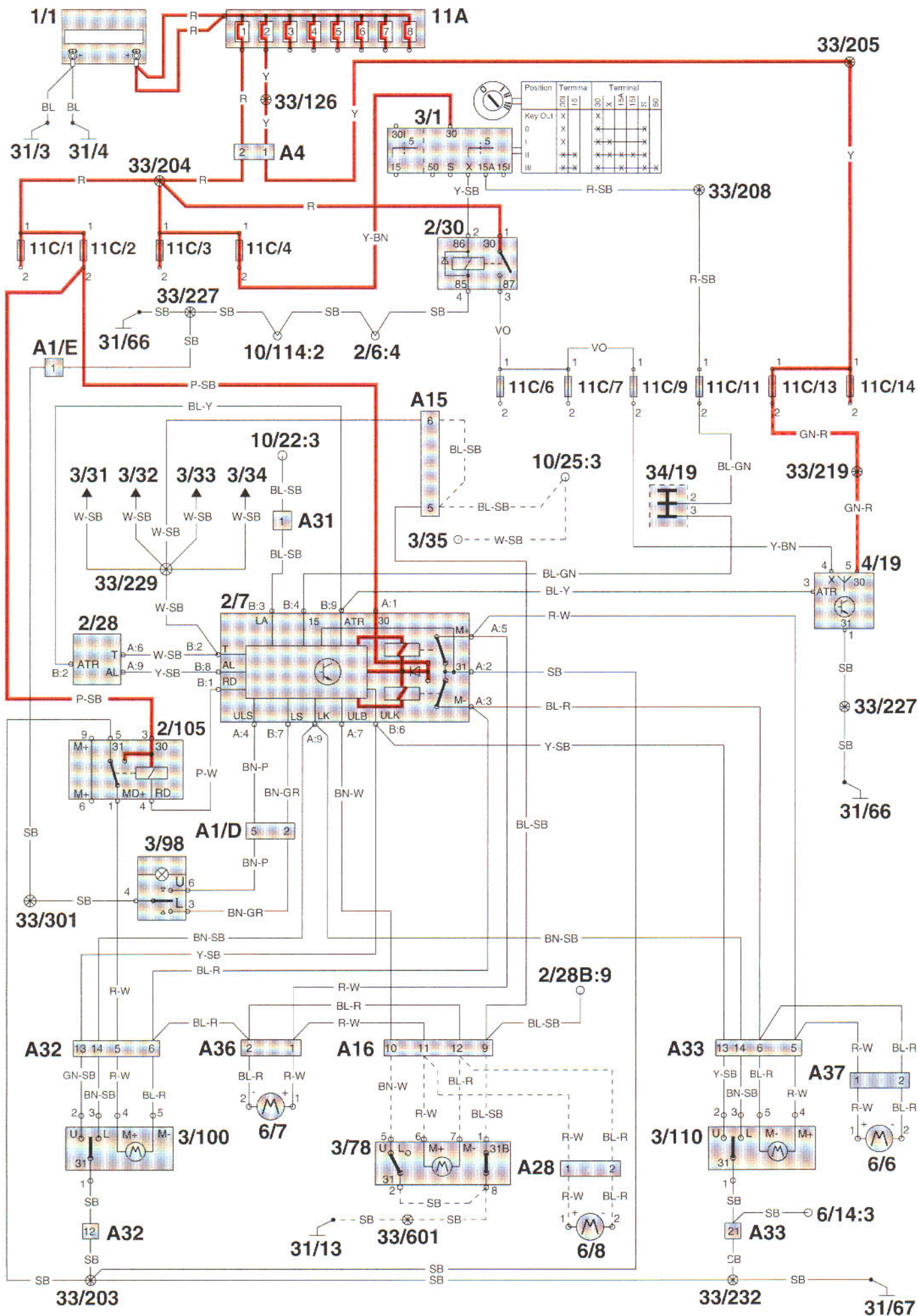


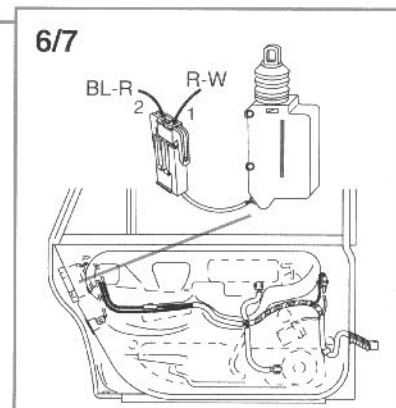
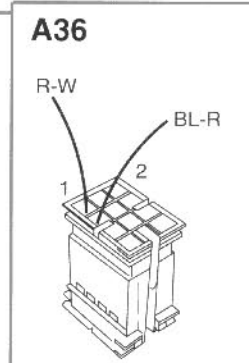
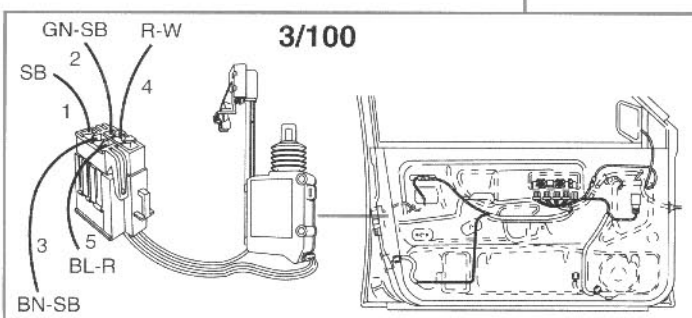
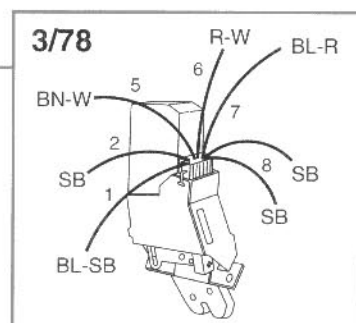
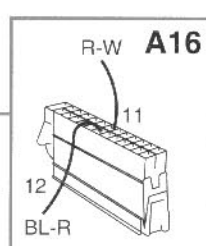
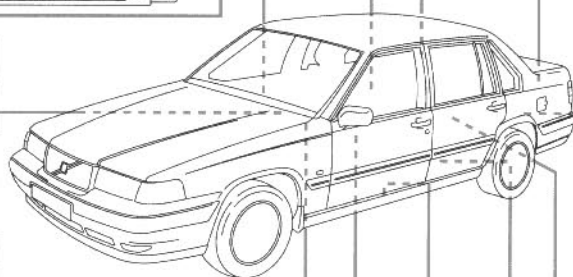
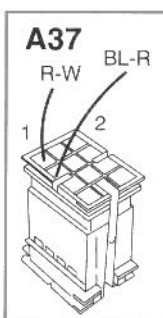
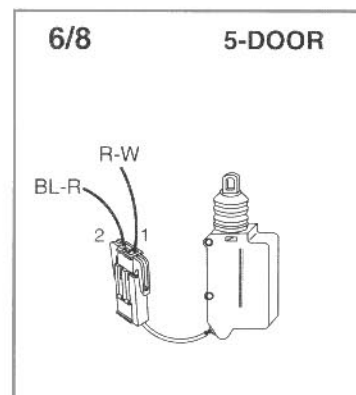
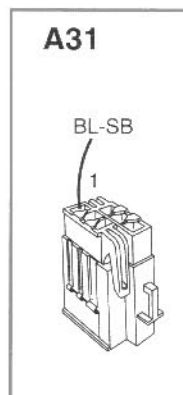
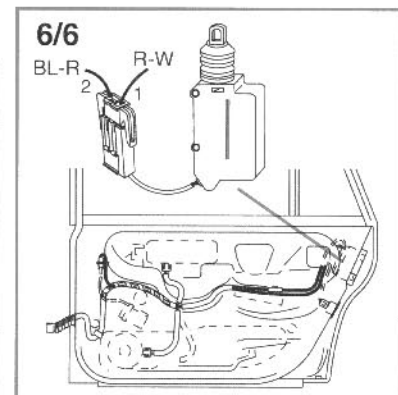
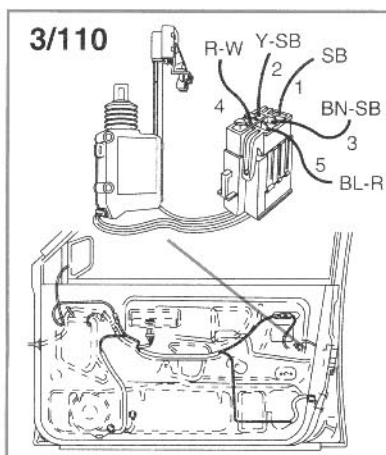
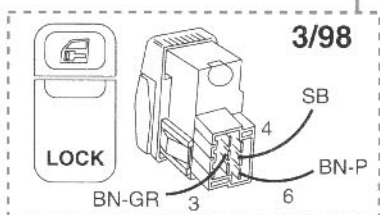
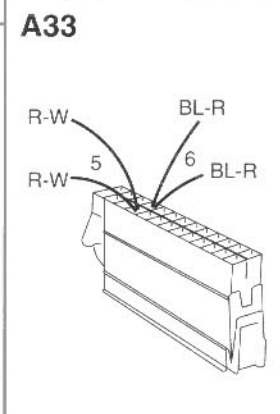
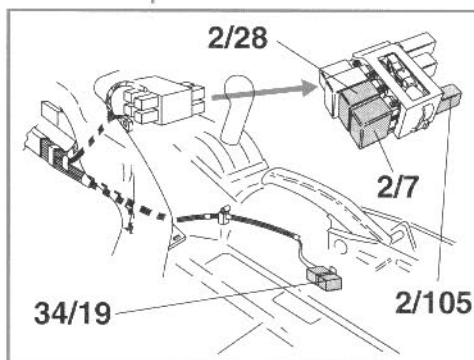
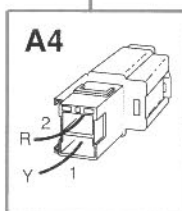
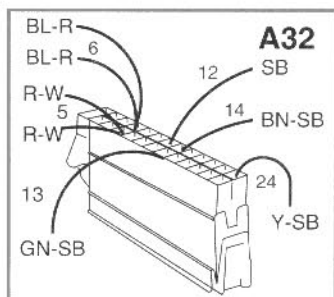
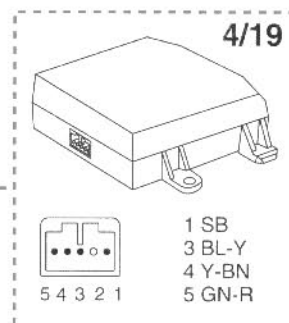
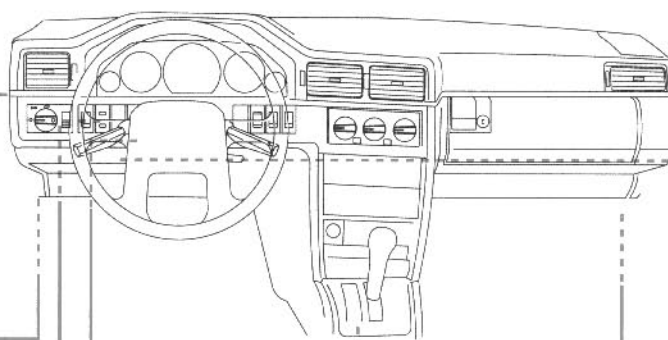
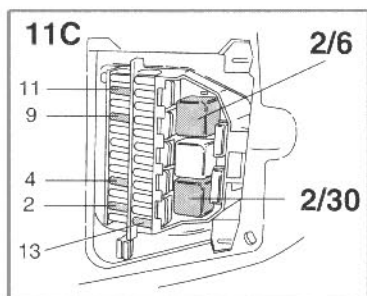
Central locking



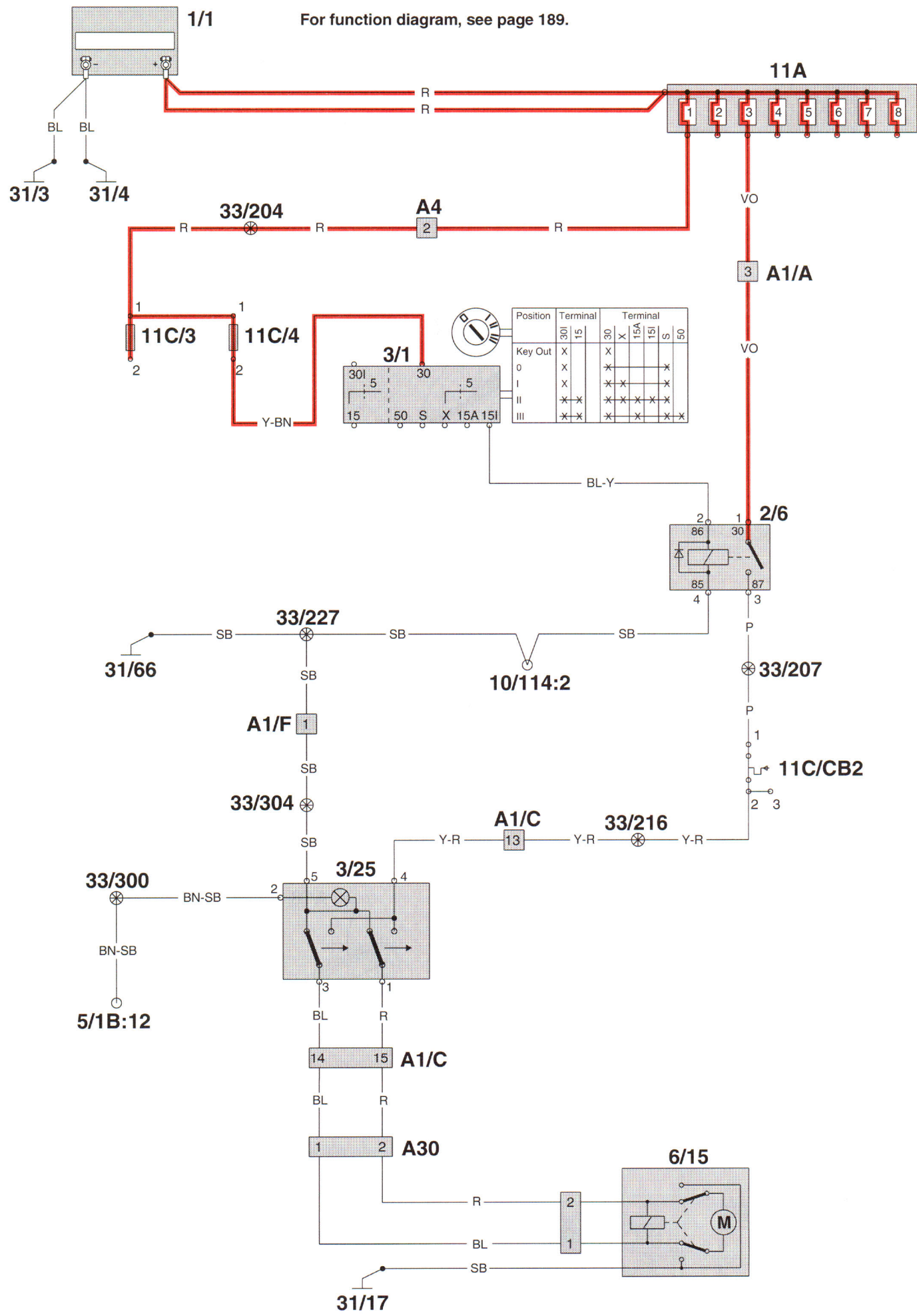


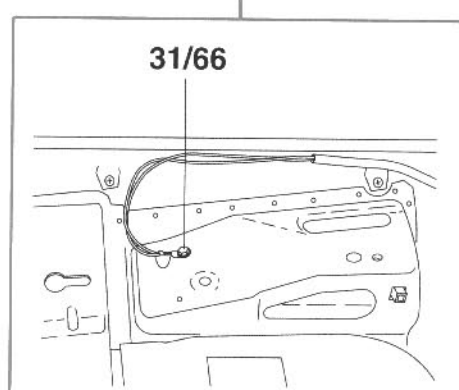
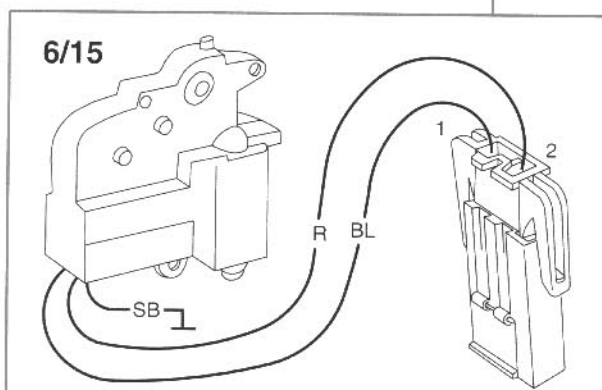
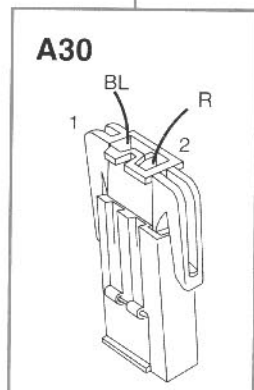
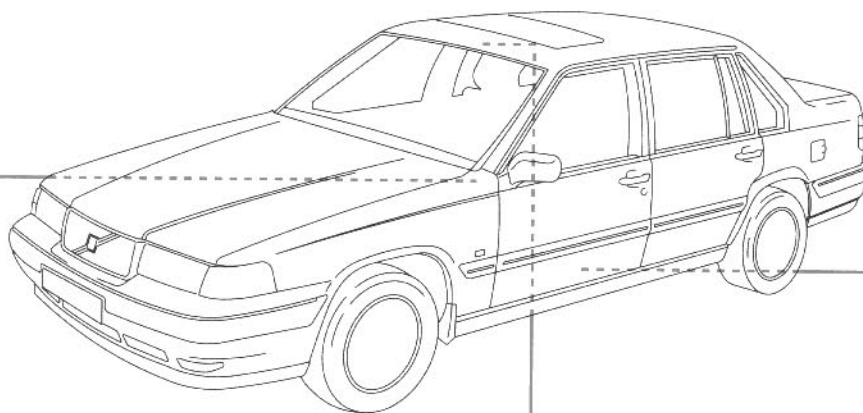
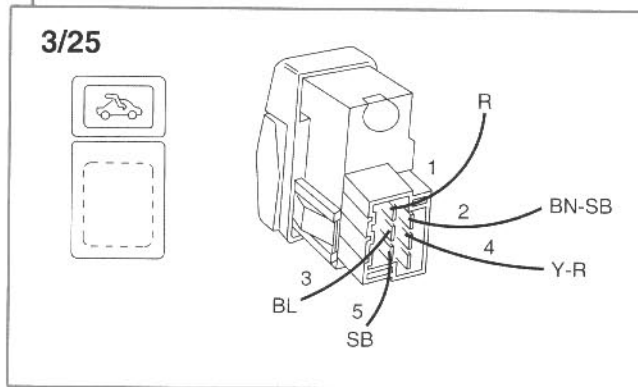
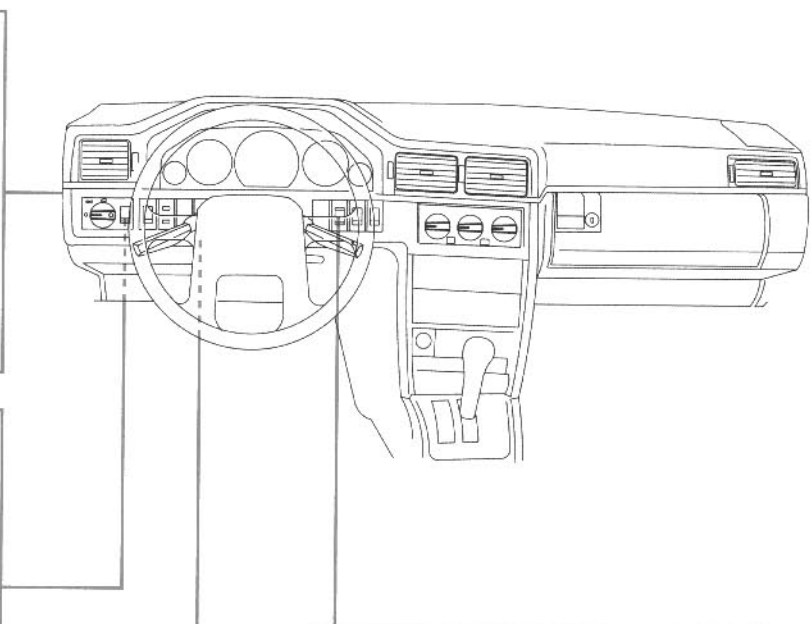
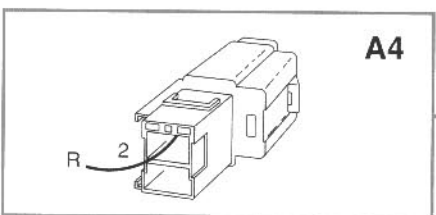
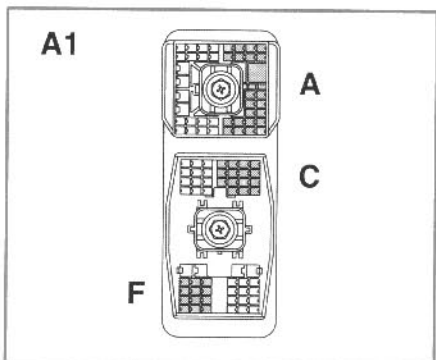
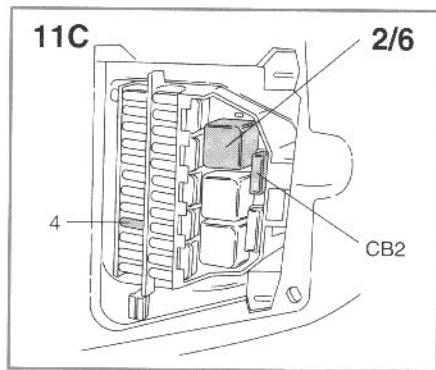
Central locking USA/Canada





Power sunroof



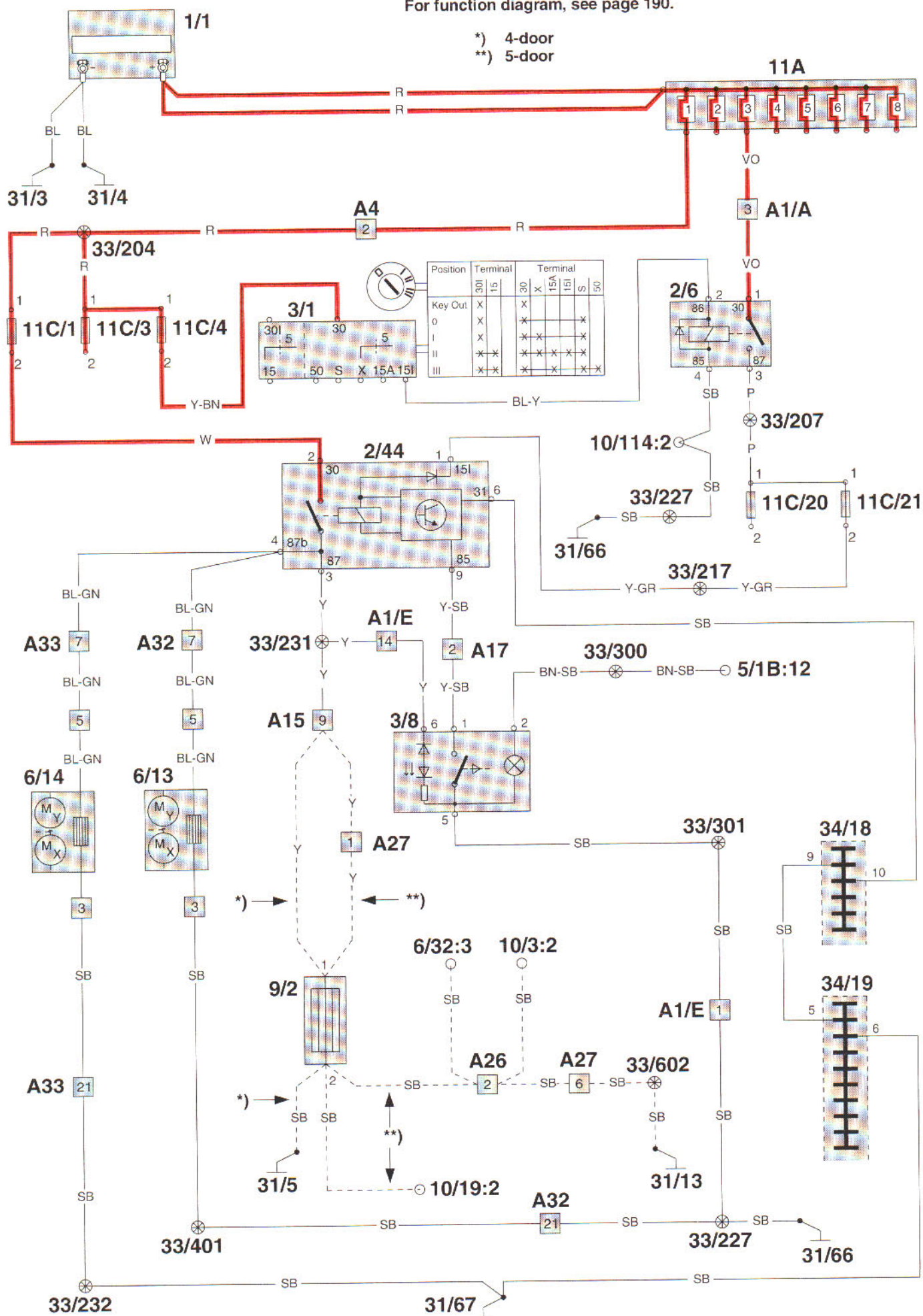


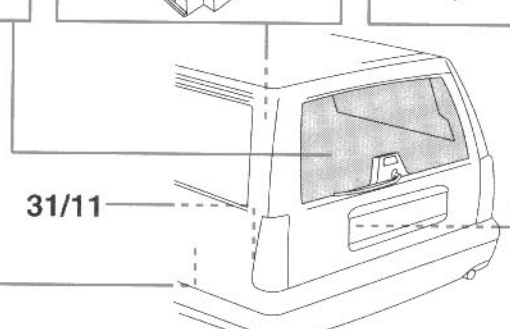
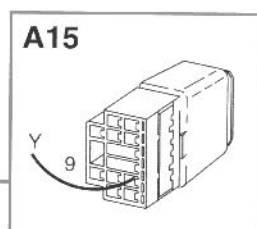
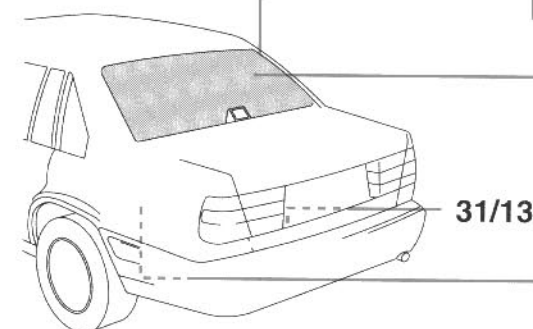
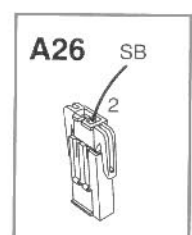
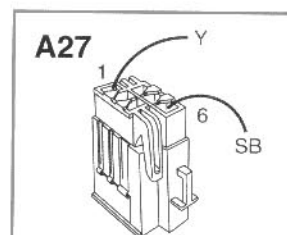
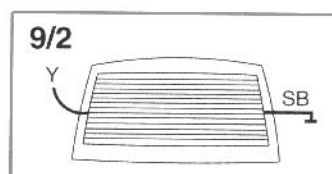
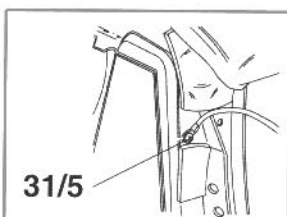
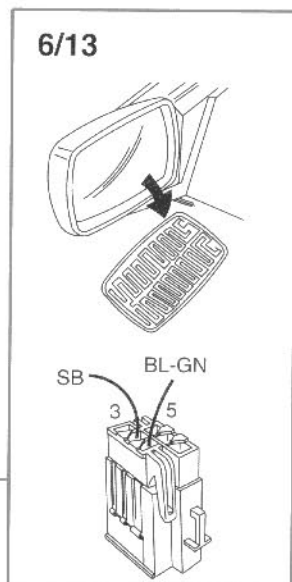
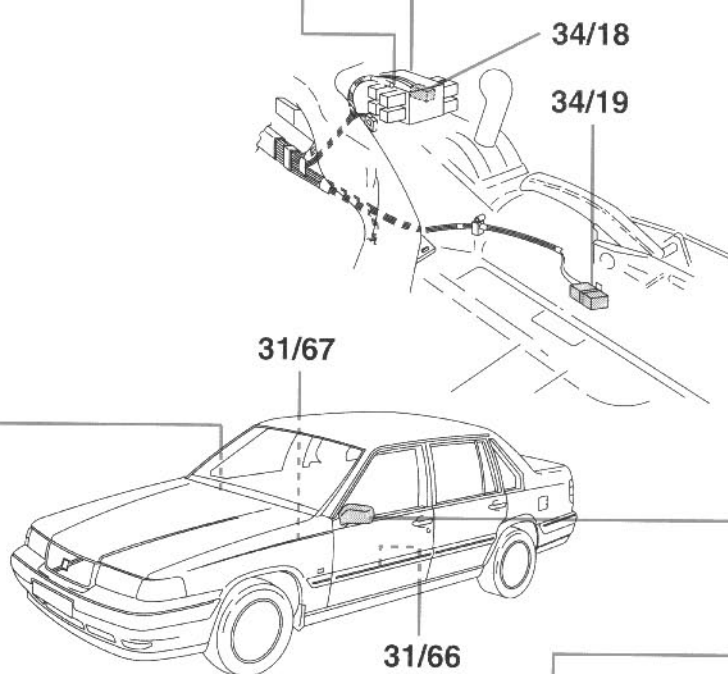
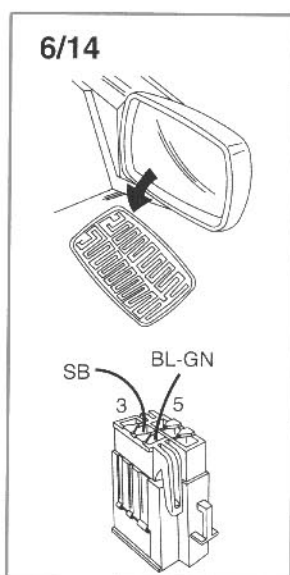
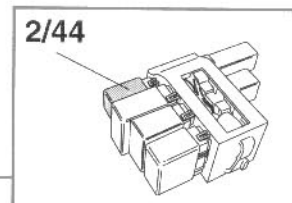
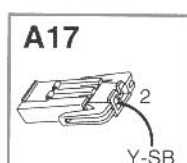
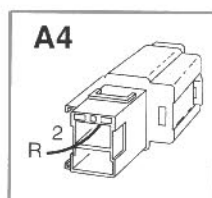
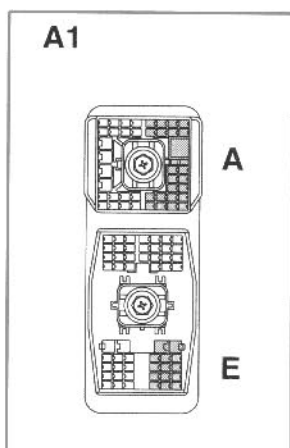
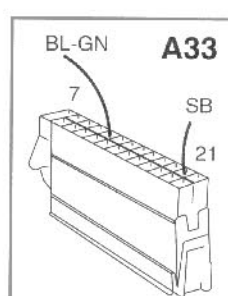
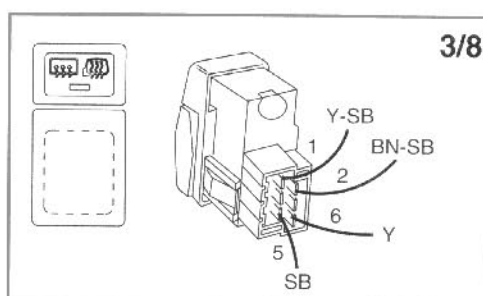
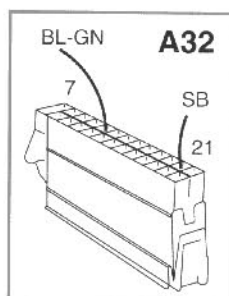
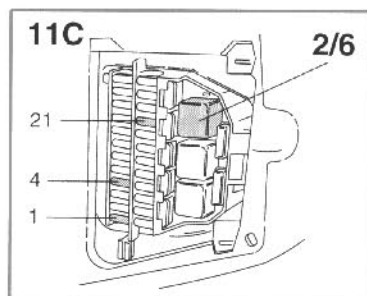
Heated rear window and door mirrors with delay relay

For function diagram, see page 190.

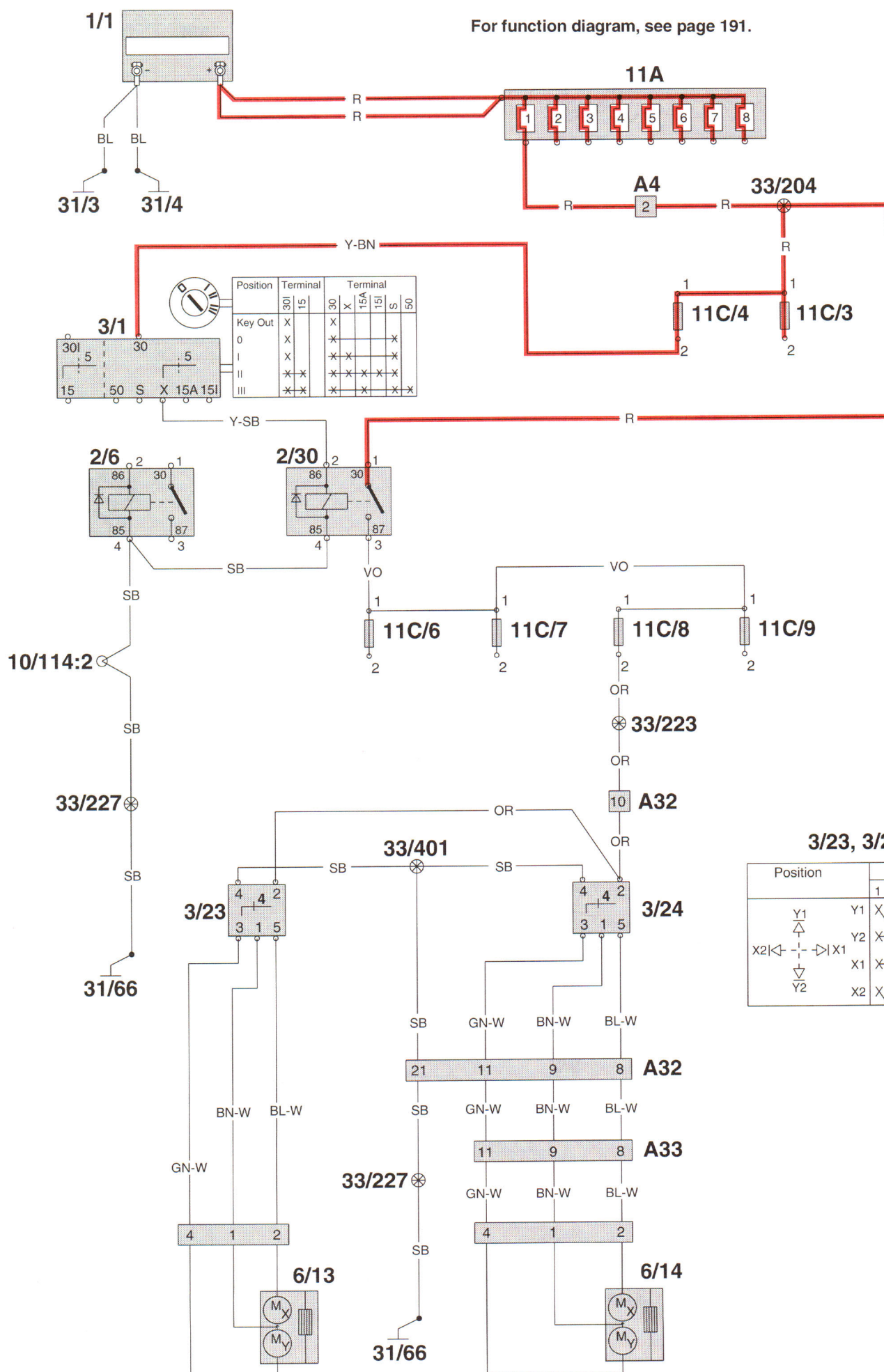
*) 4-door

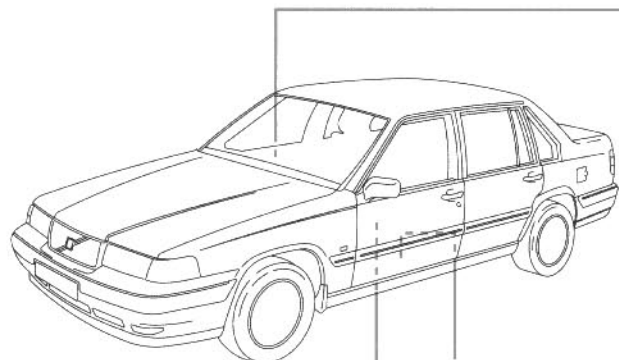
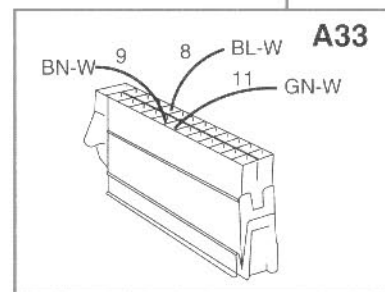
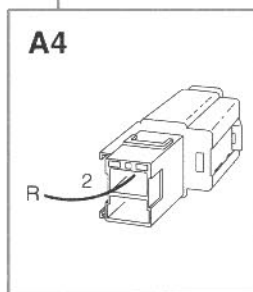
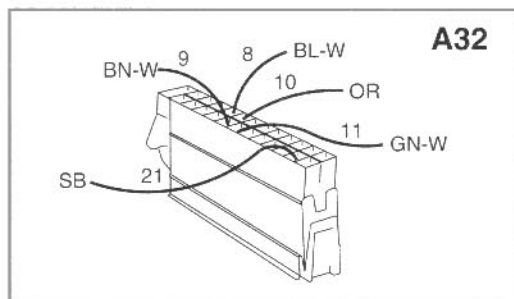
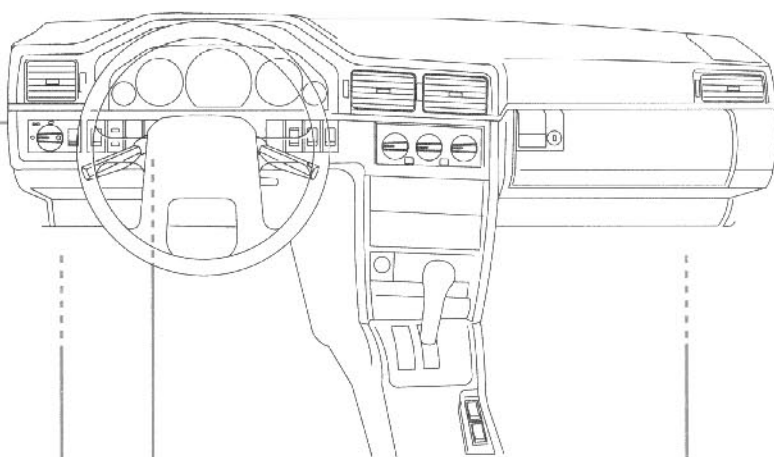
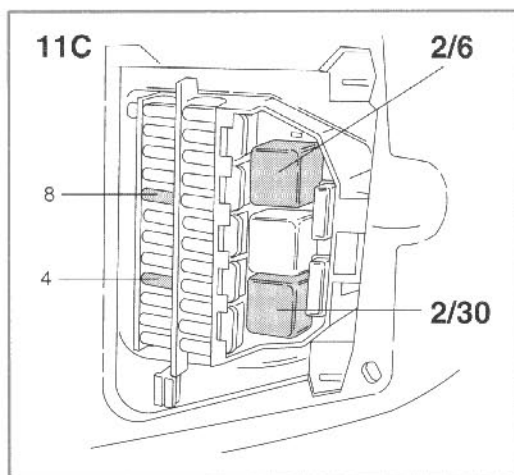
**) 5-door



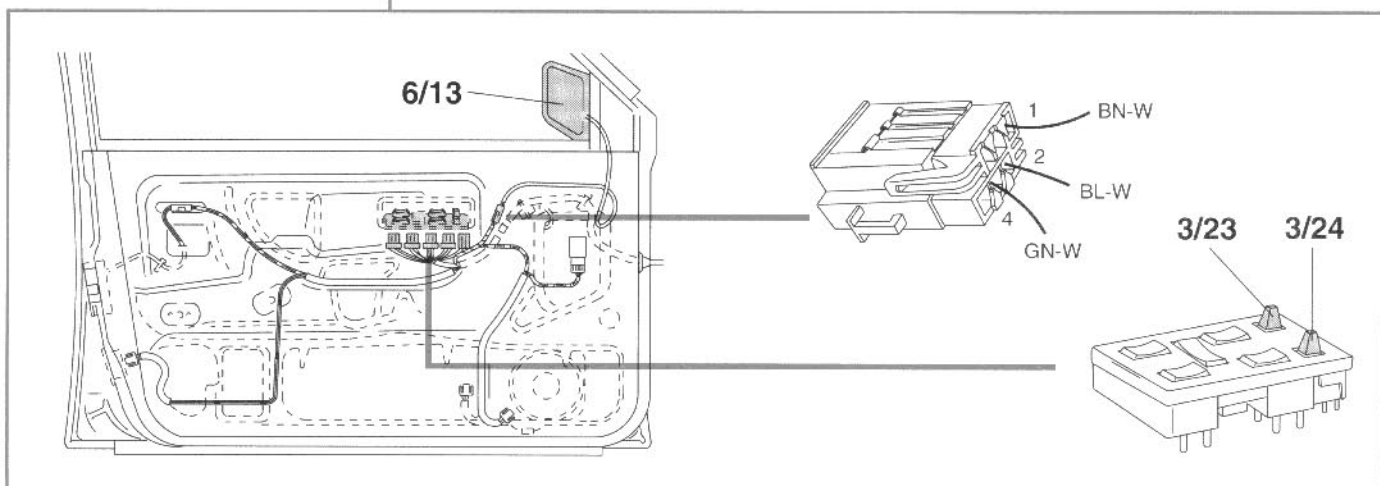
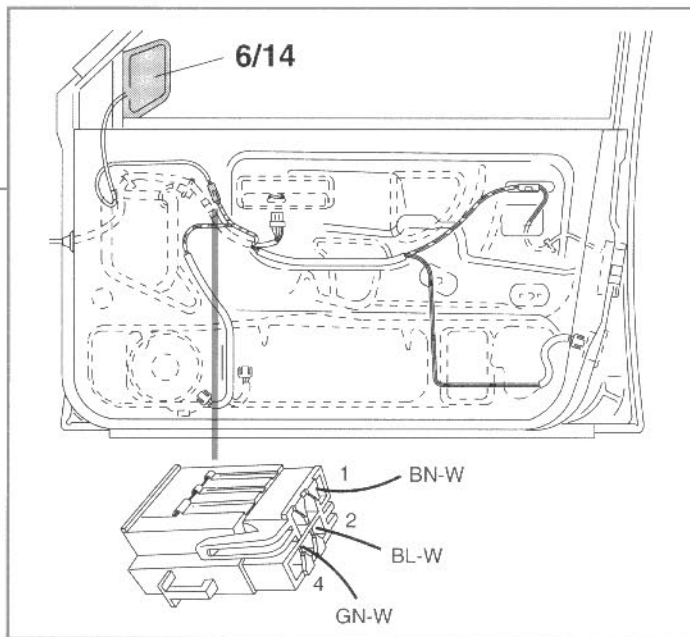


Power door mirrors

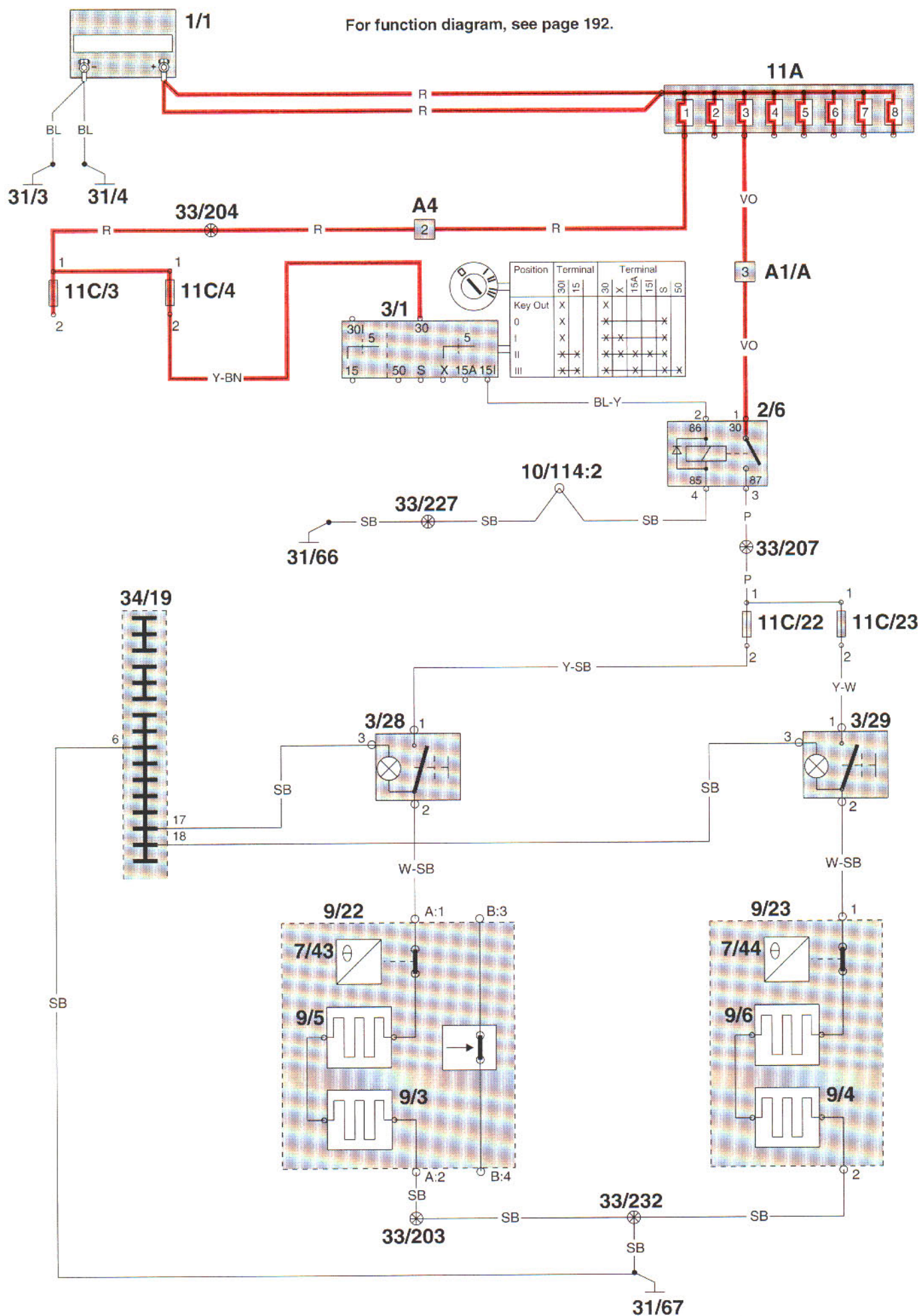


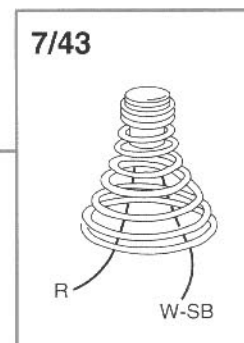
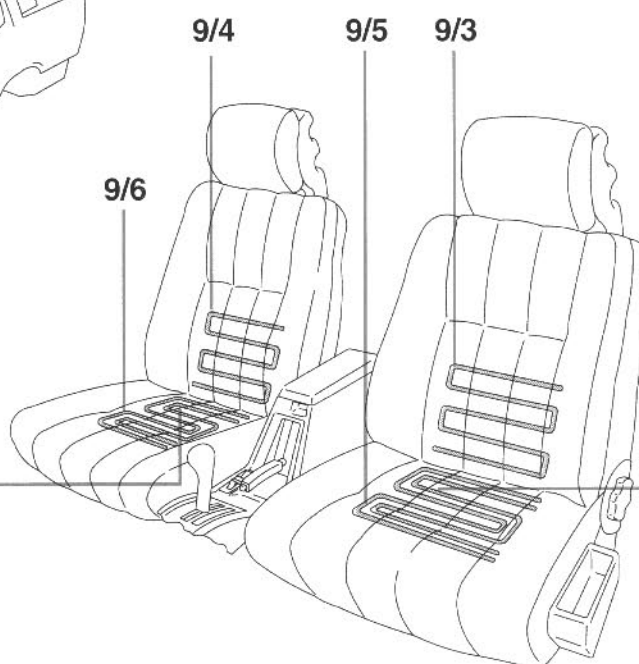
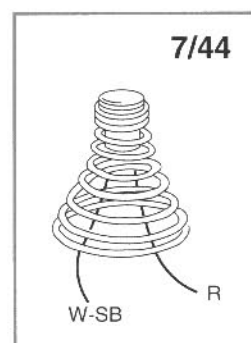
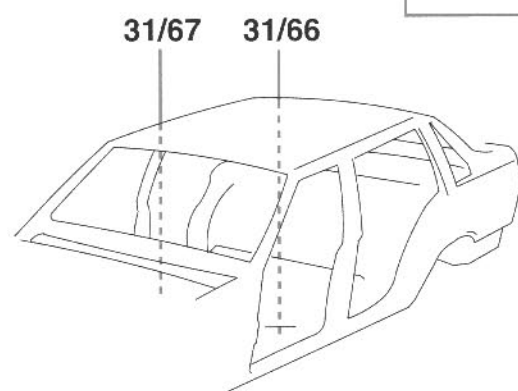
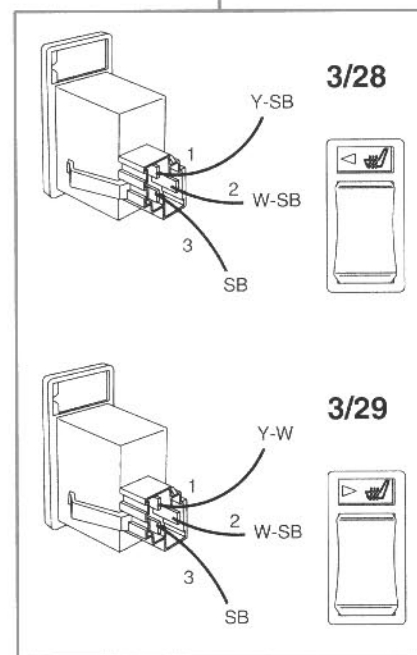
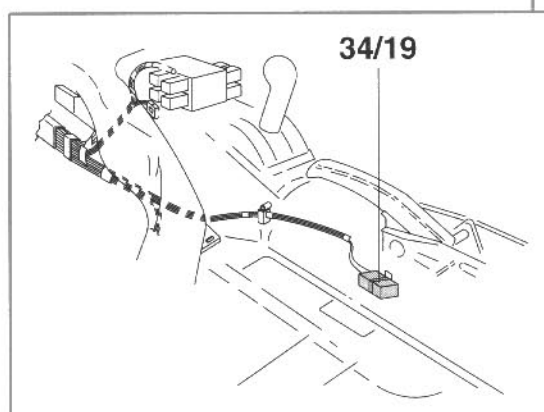
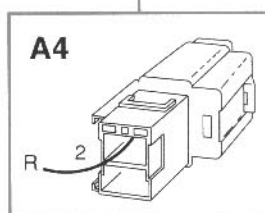
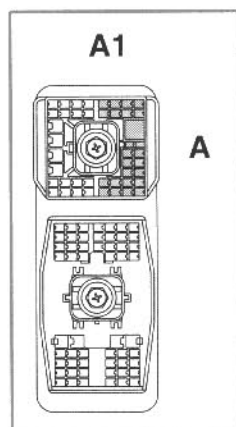
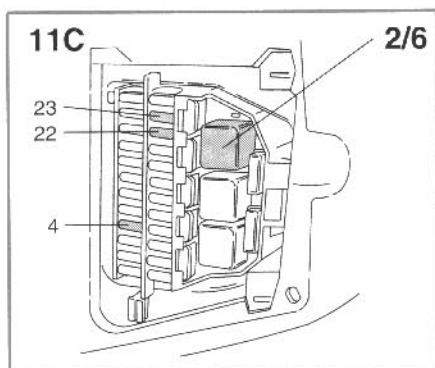


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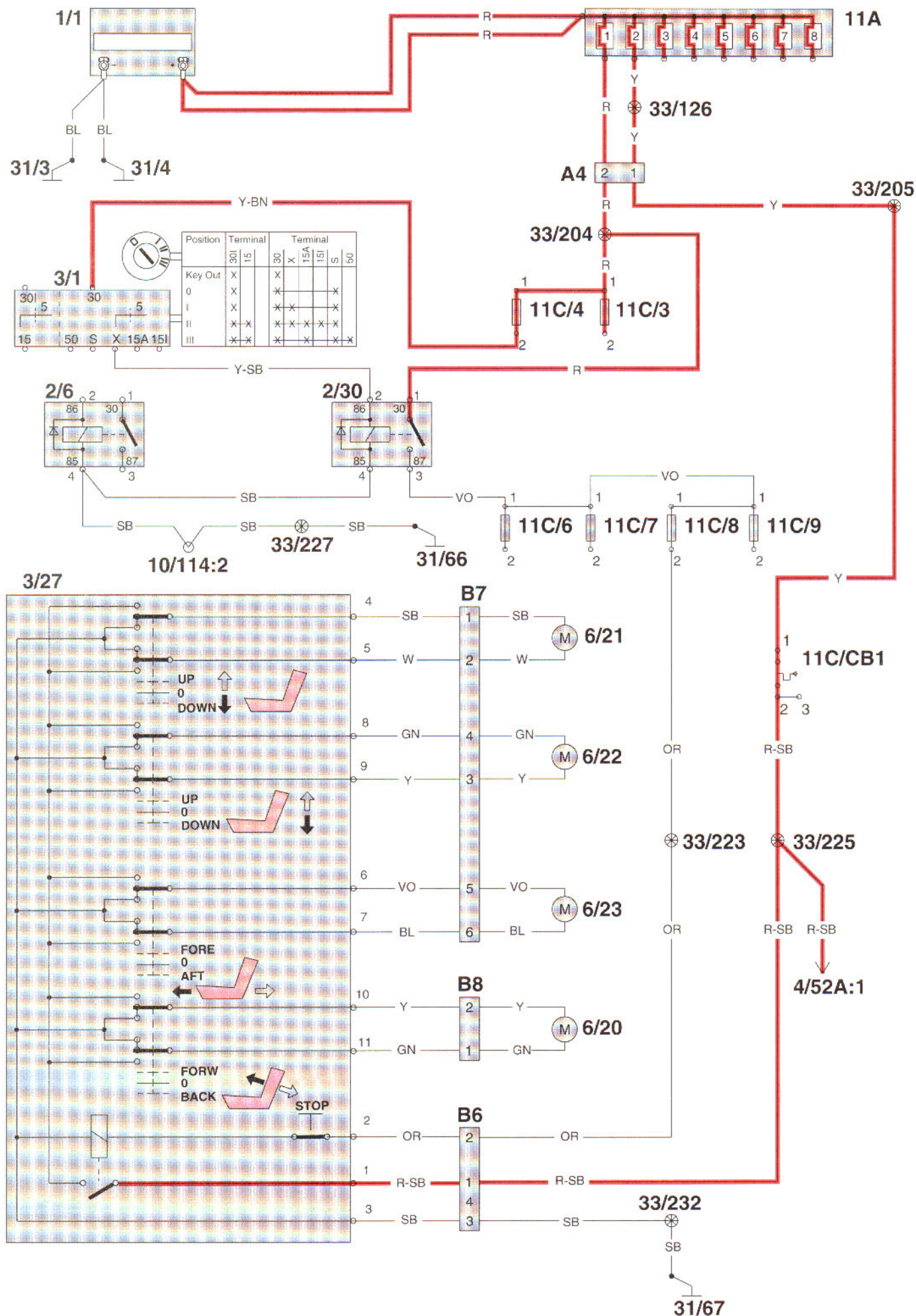


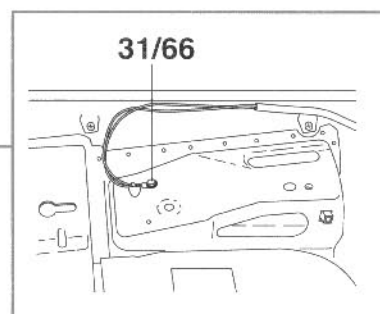
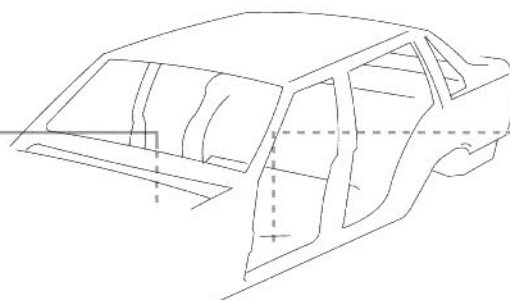
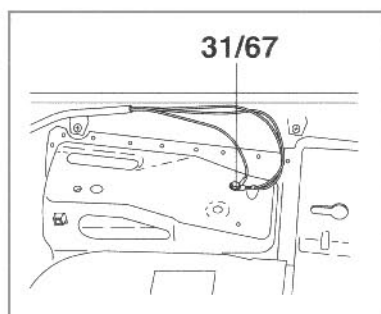
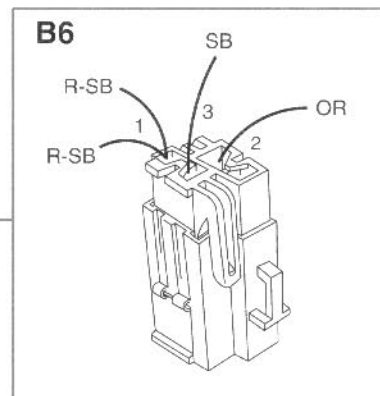
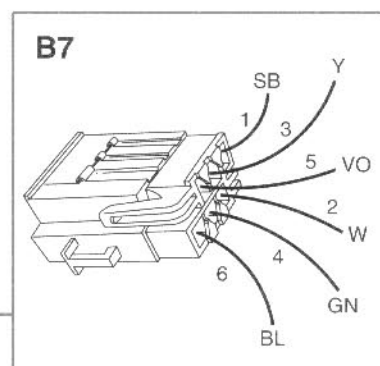
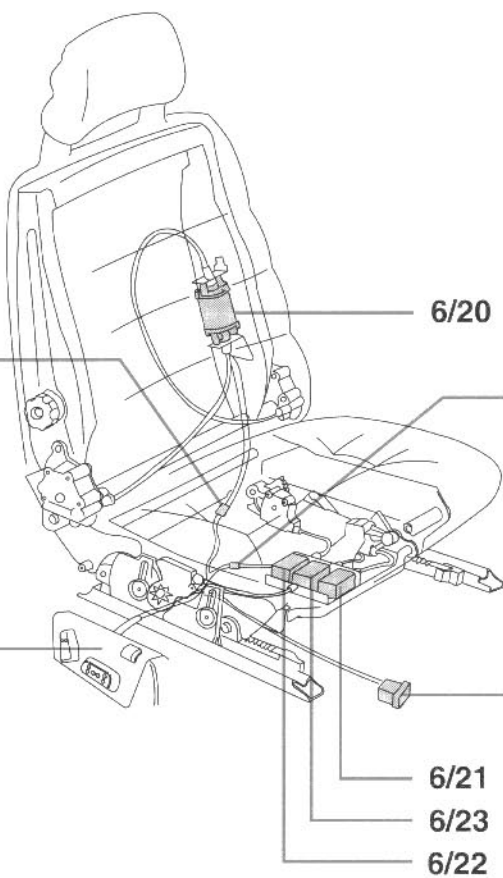
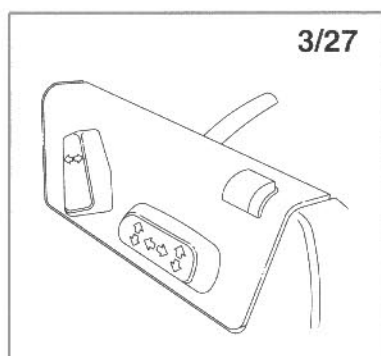
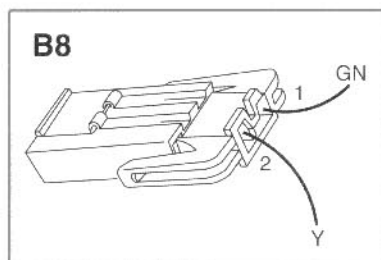
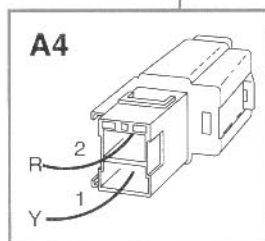
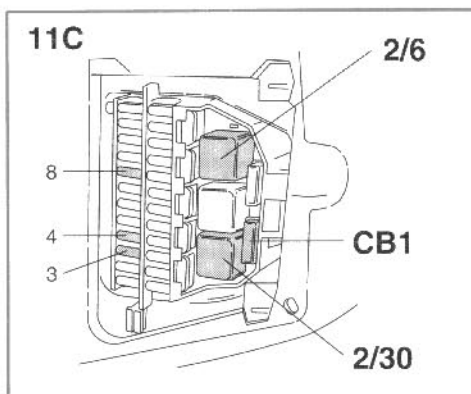
Heated driver/passenger seats



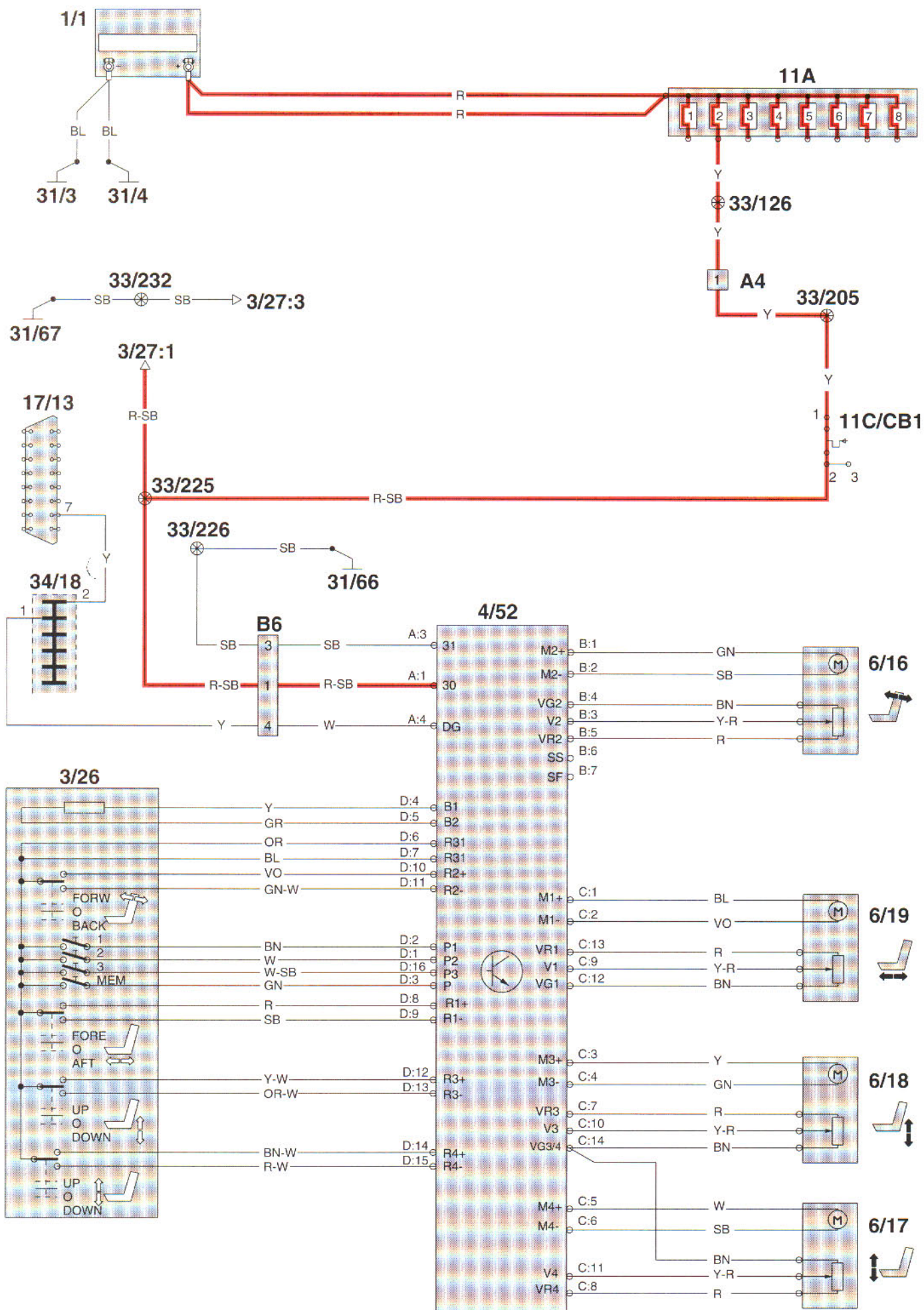


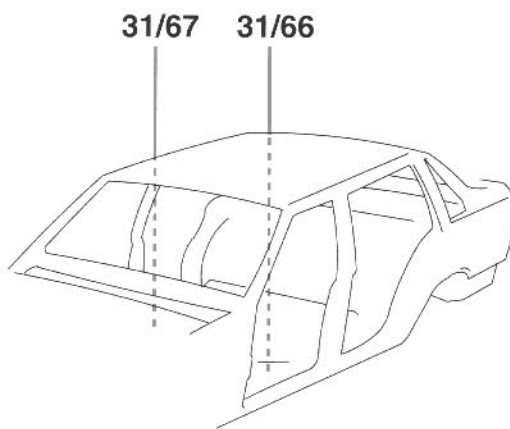
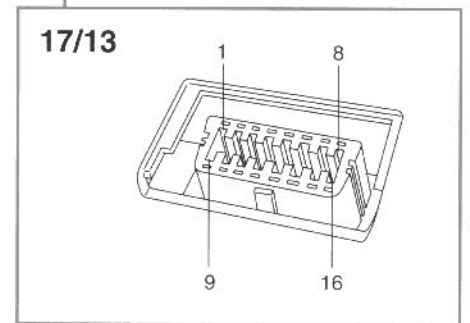
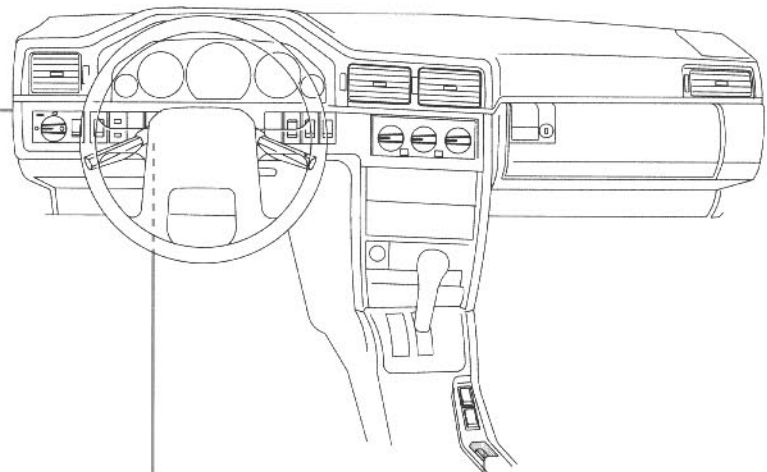
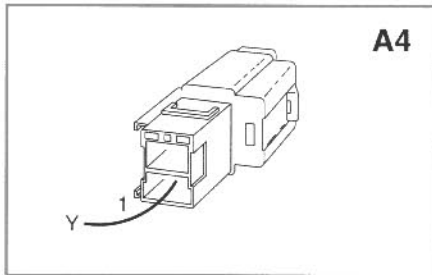
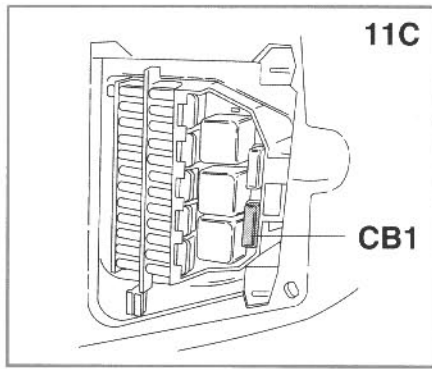
Power seat





Power seat with memory



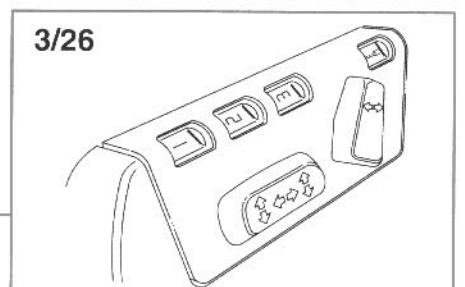
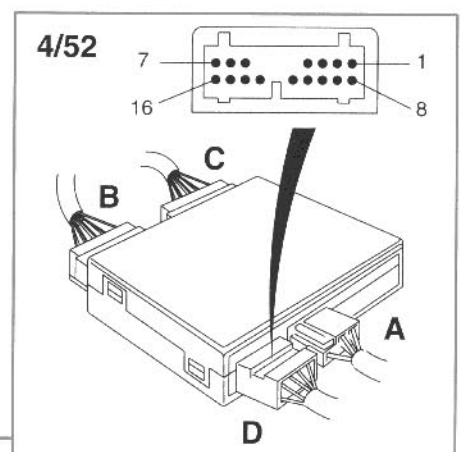
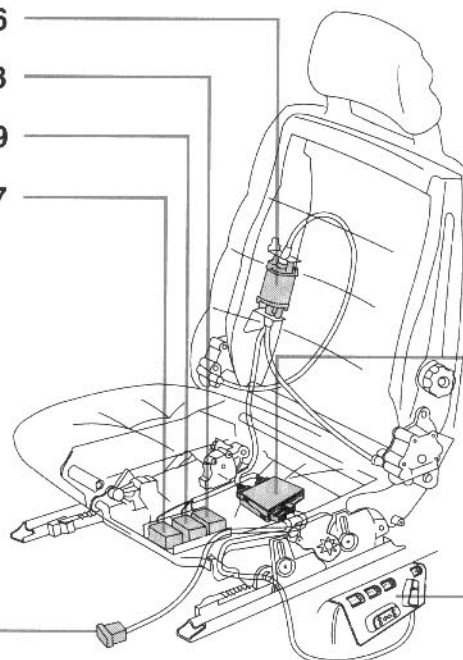
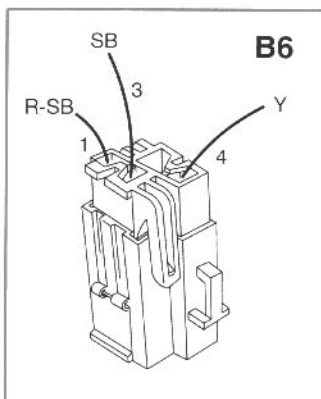


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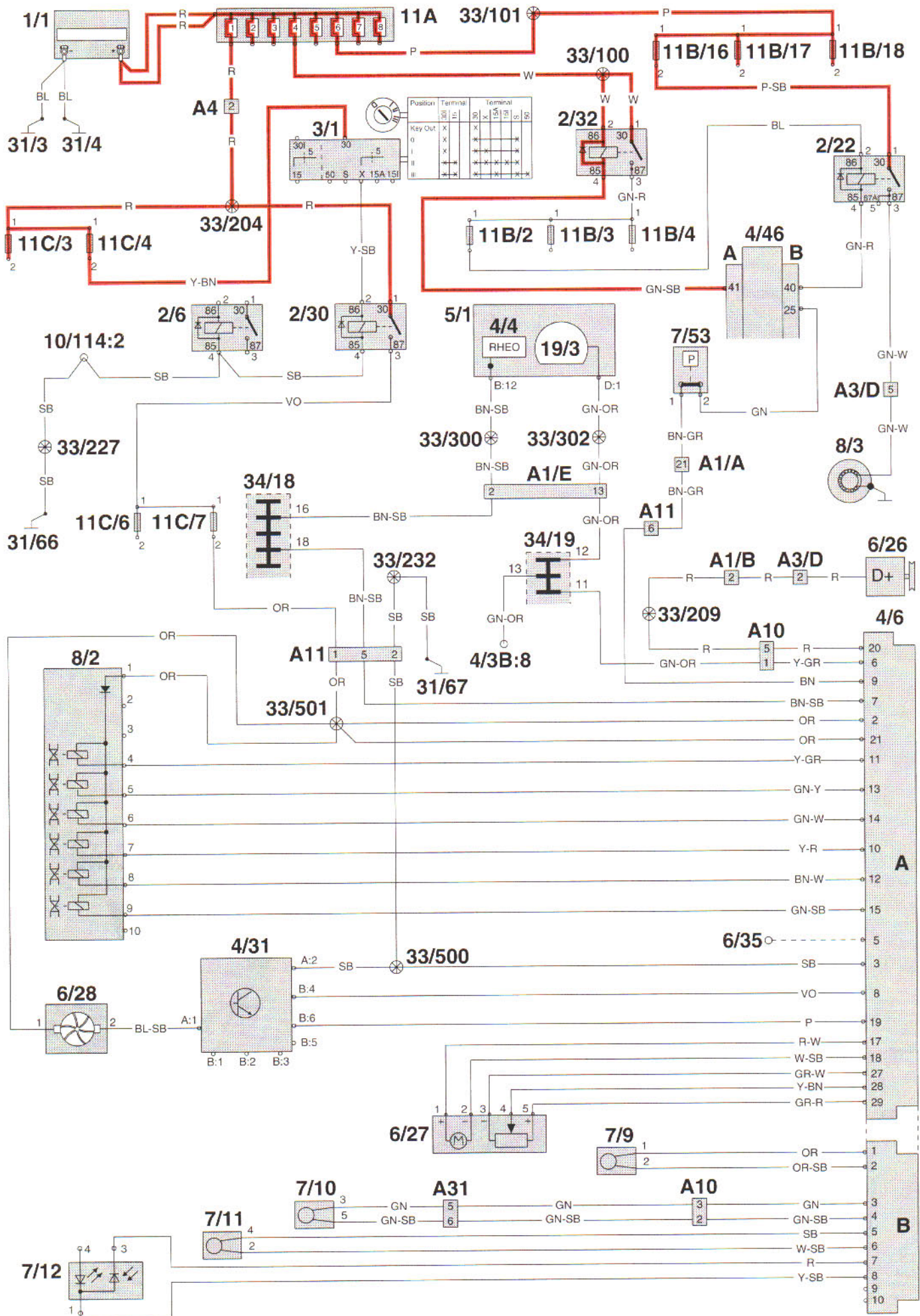
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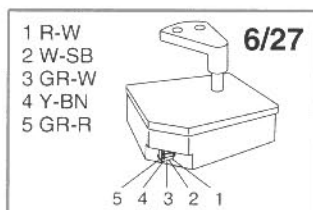
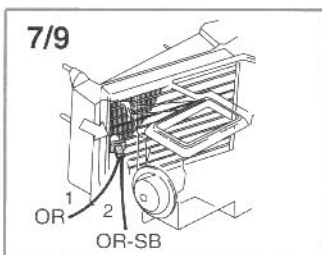
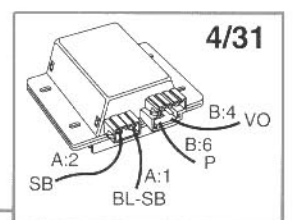
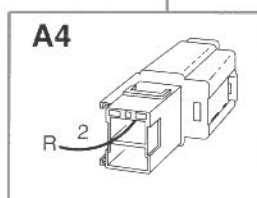
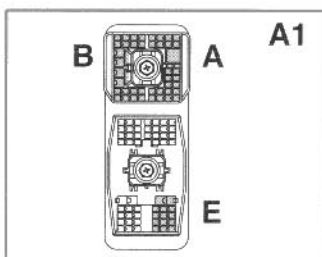
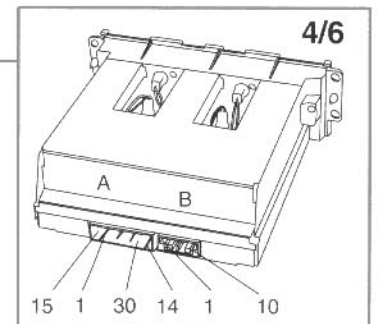
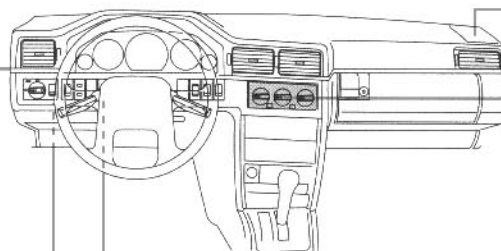
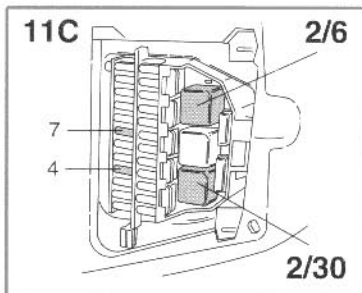
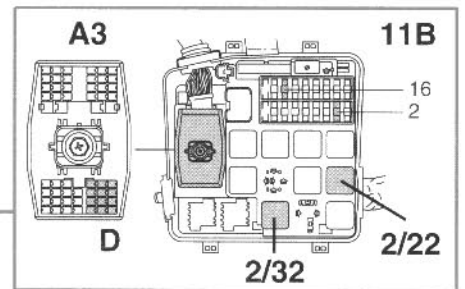
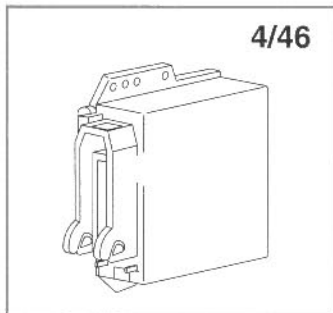
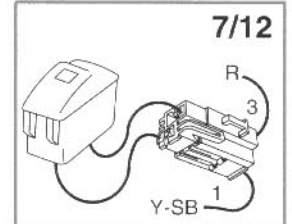
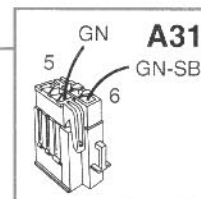
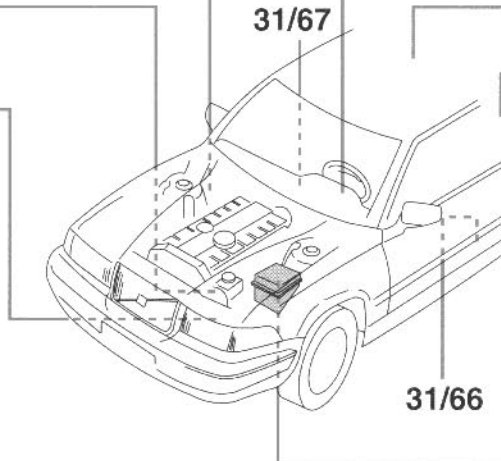
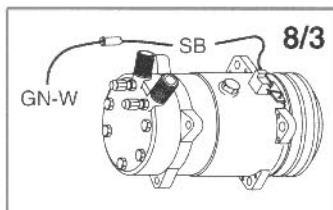
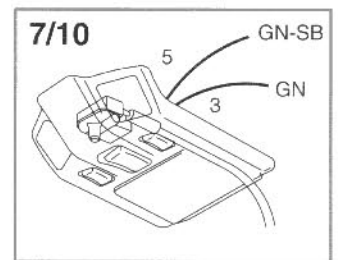
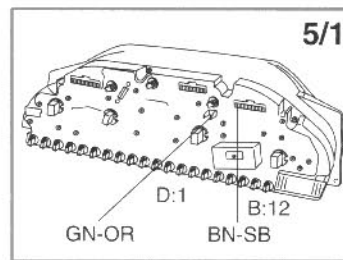
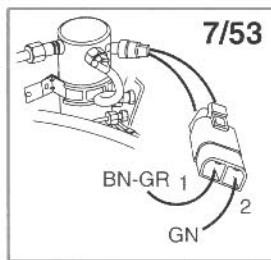
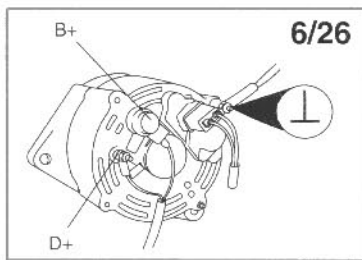
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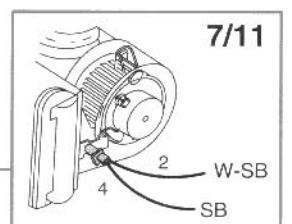
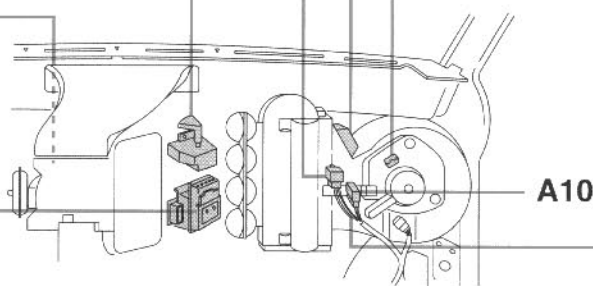
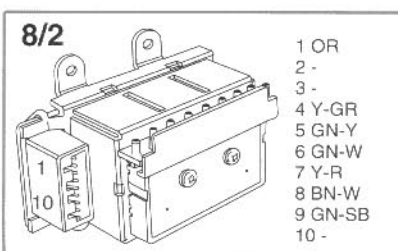
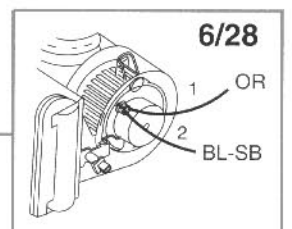


Electronic Climate Control, ECC

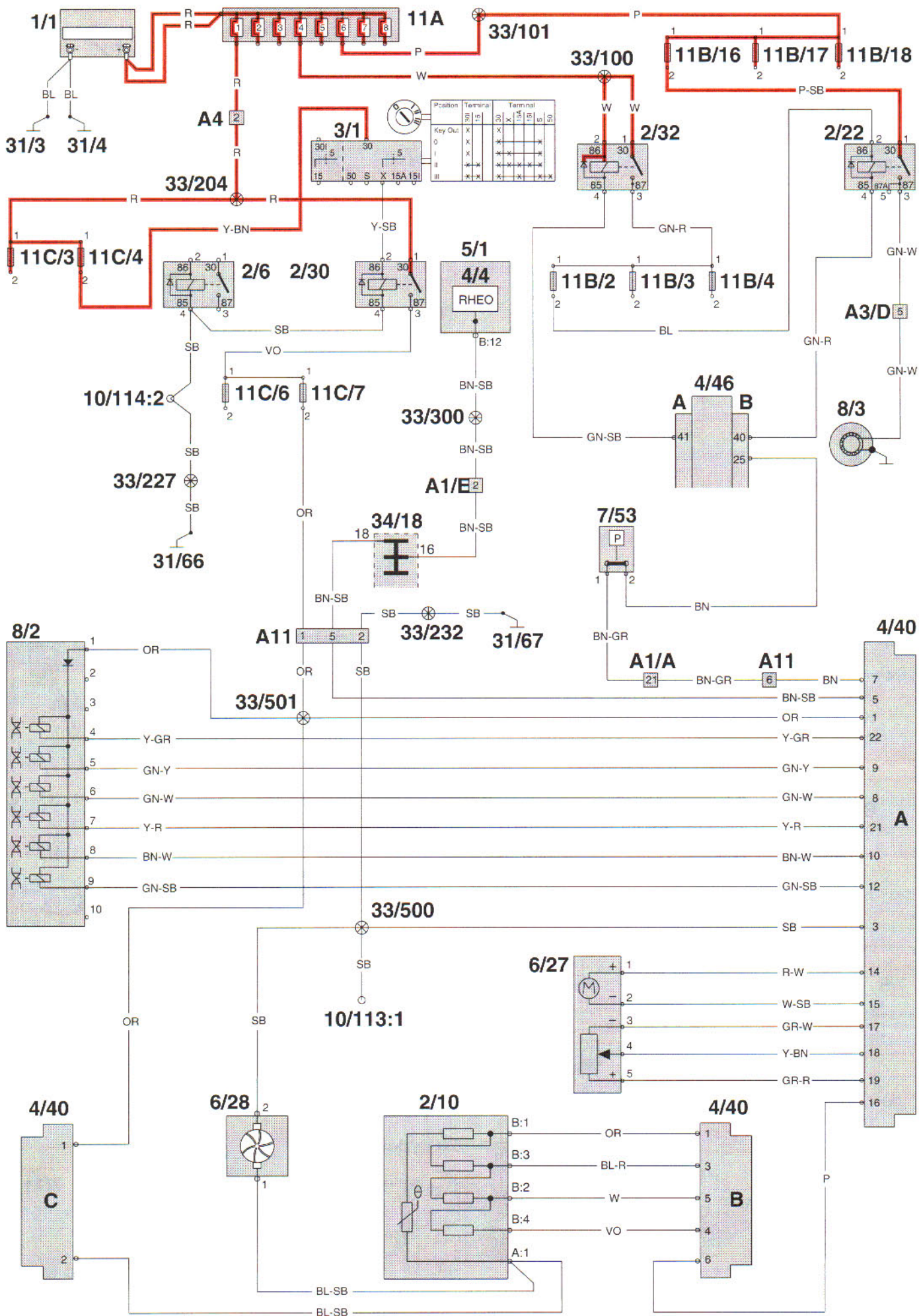


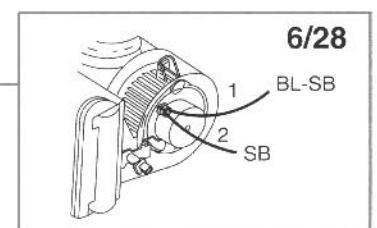
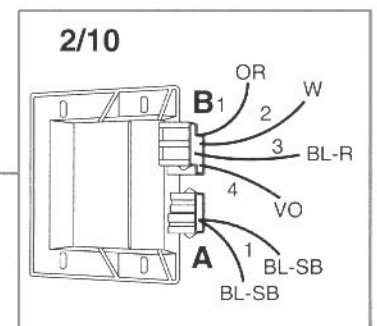
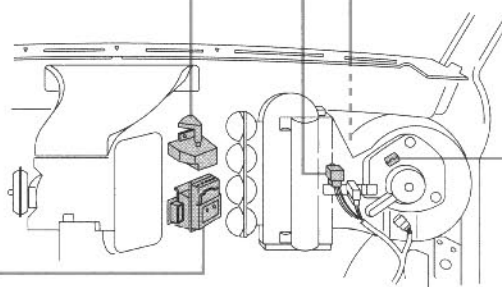
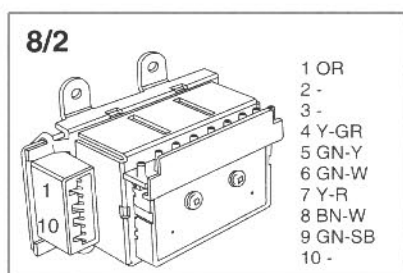
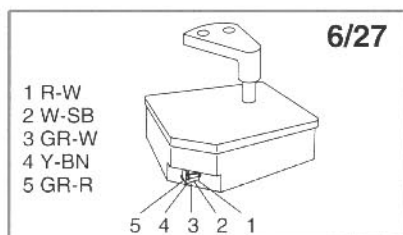
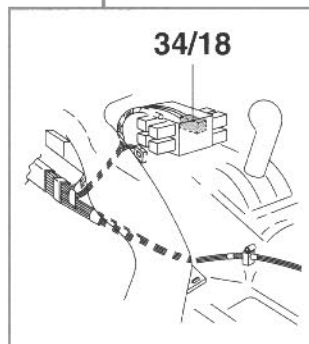
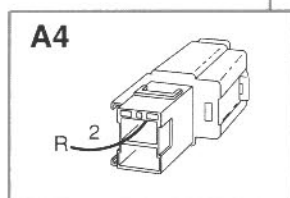
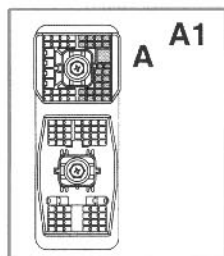
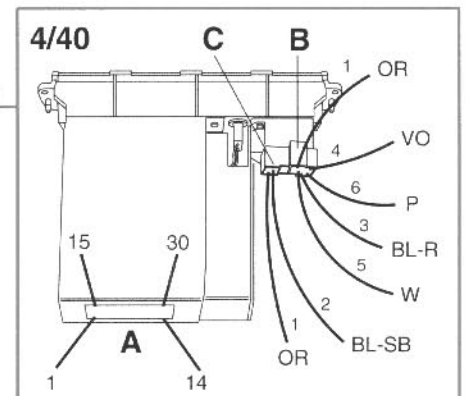
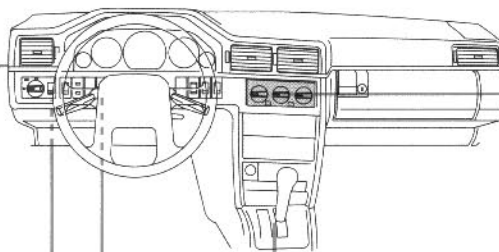
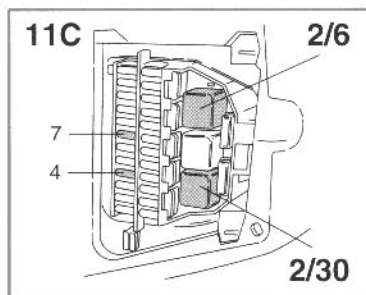
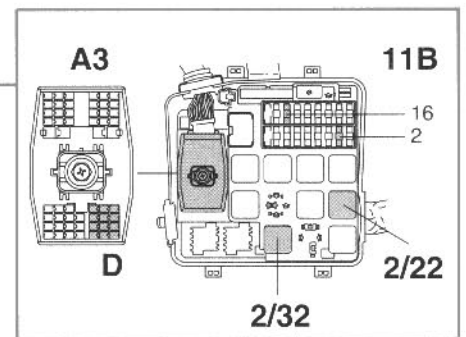
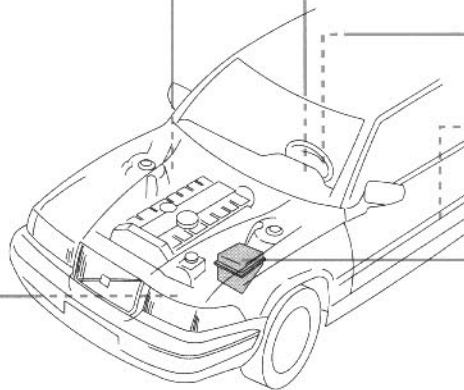
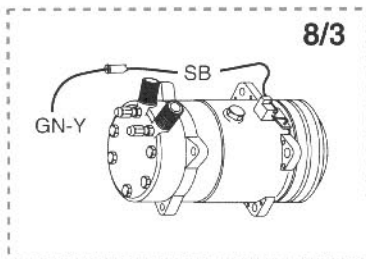
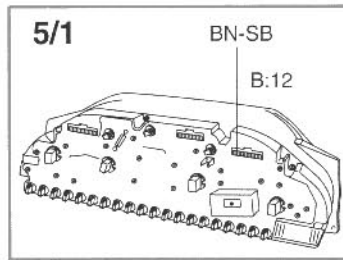
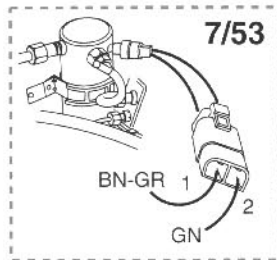
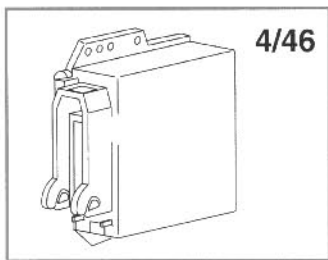


A11



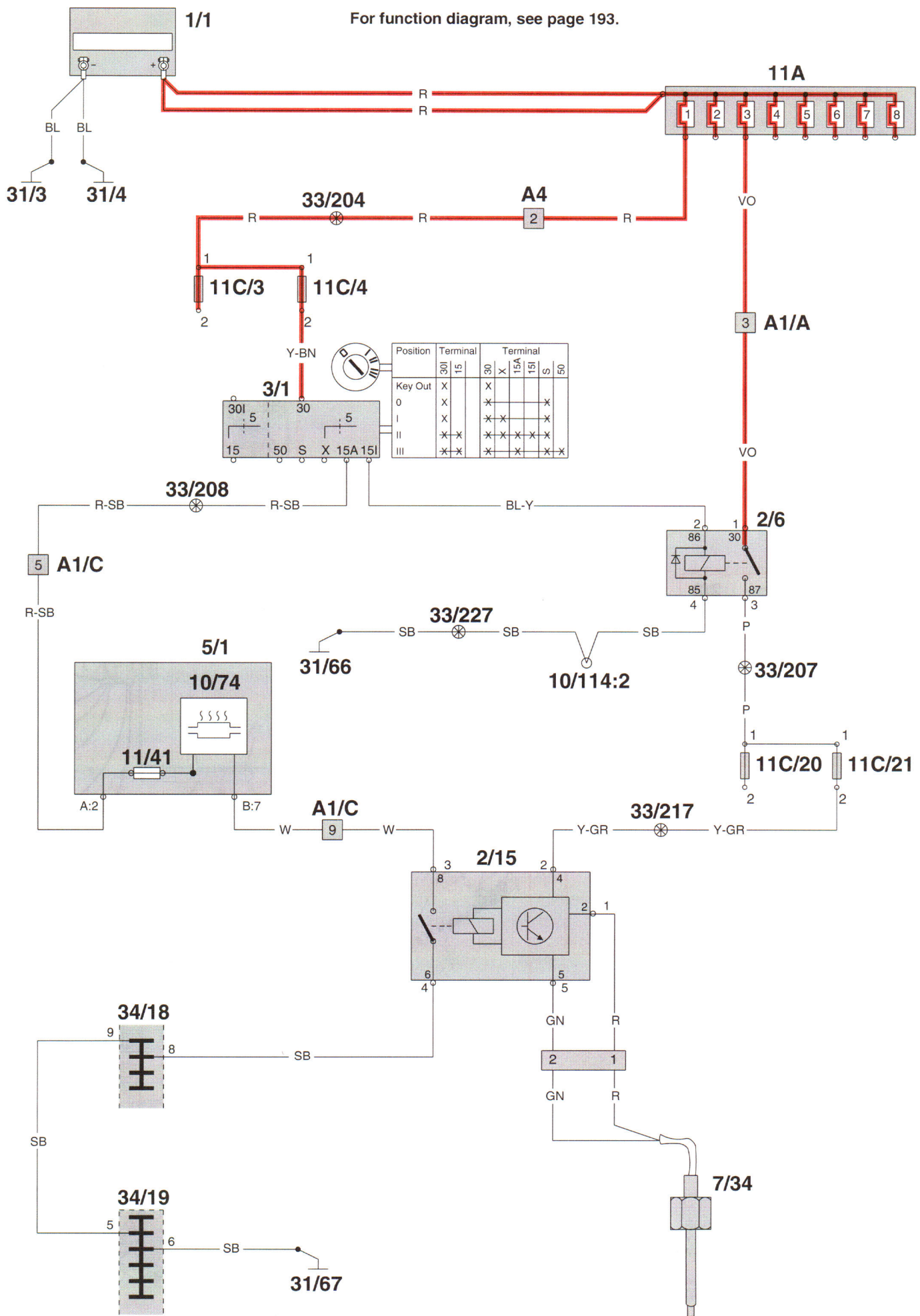
Manual Climate Control, MCC

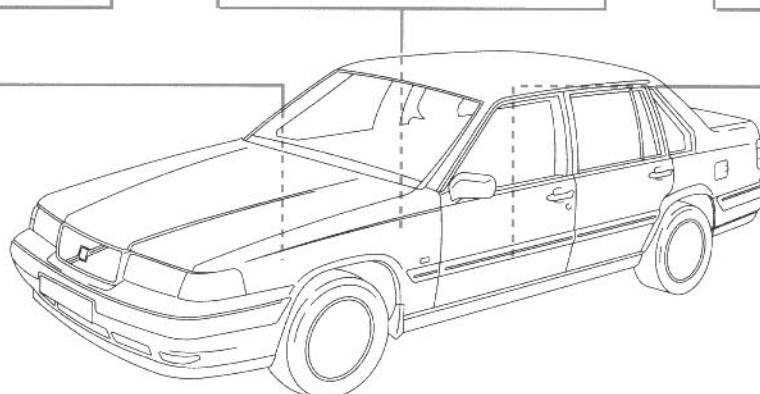
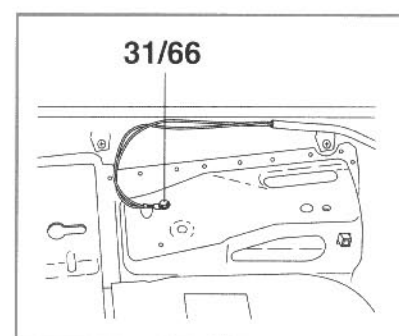
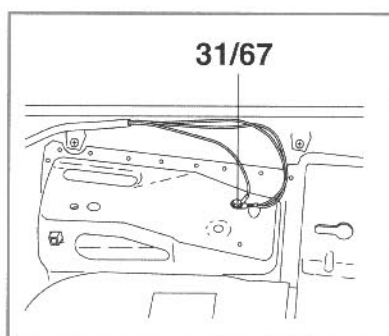
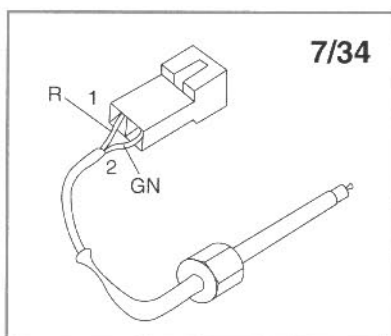
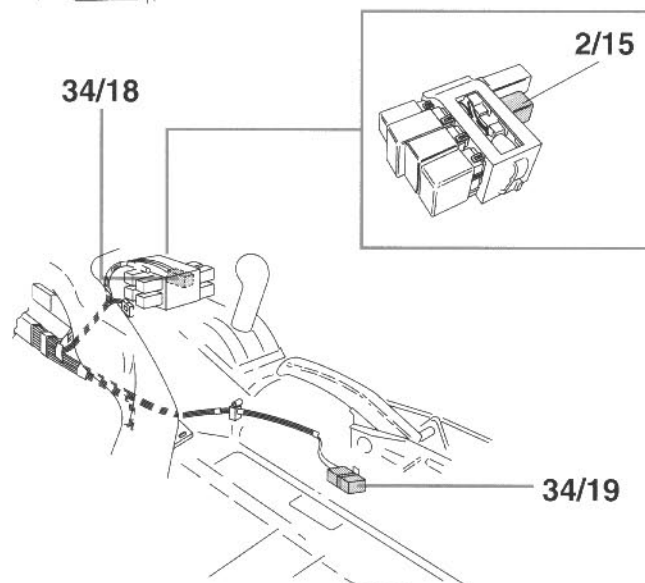
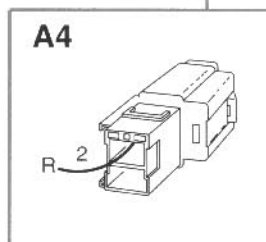
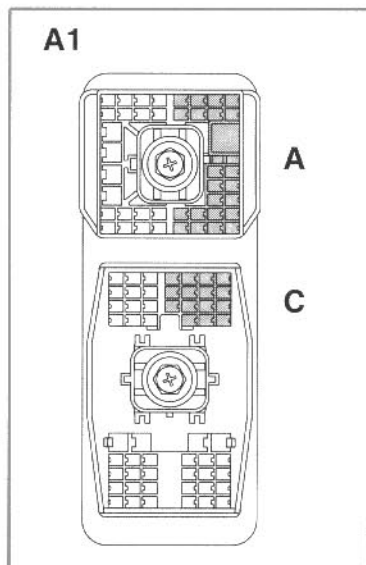
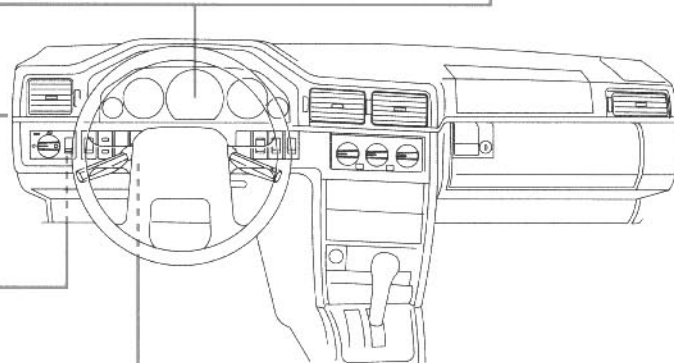
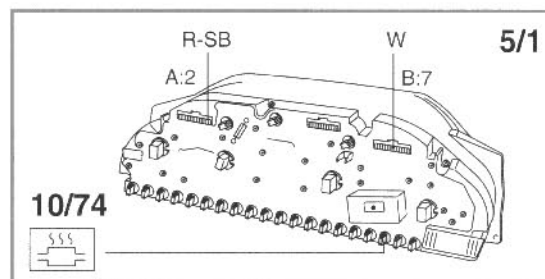
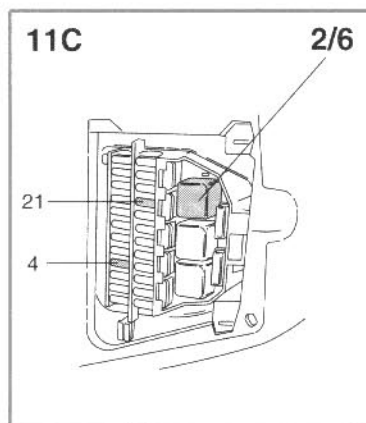




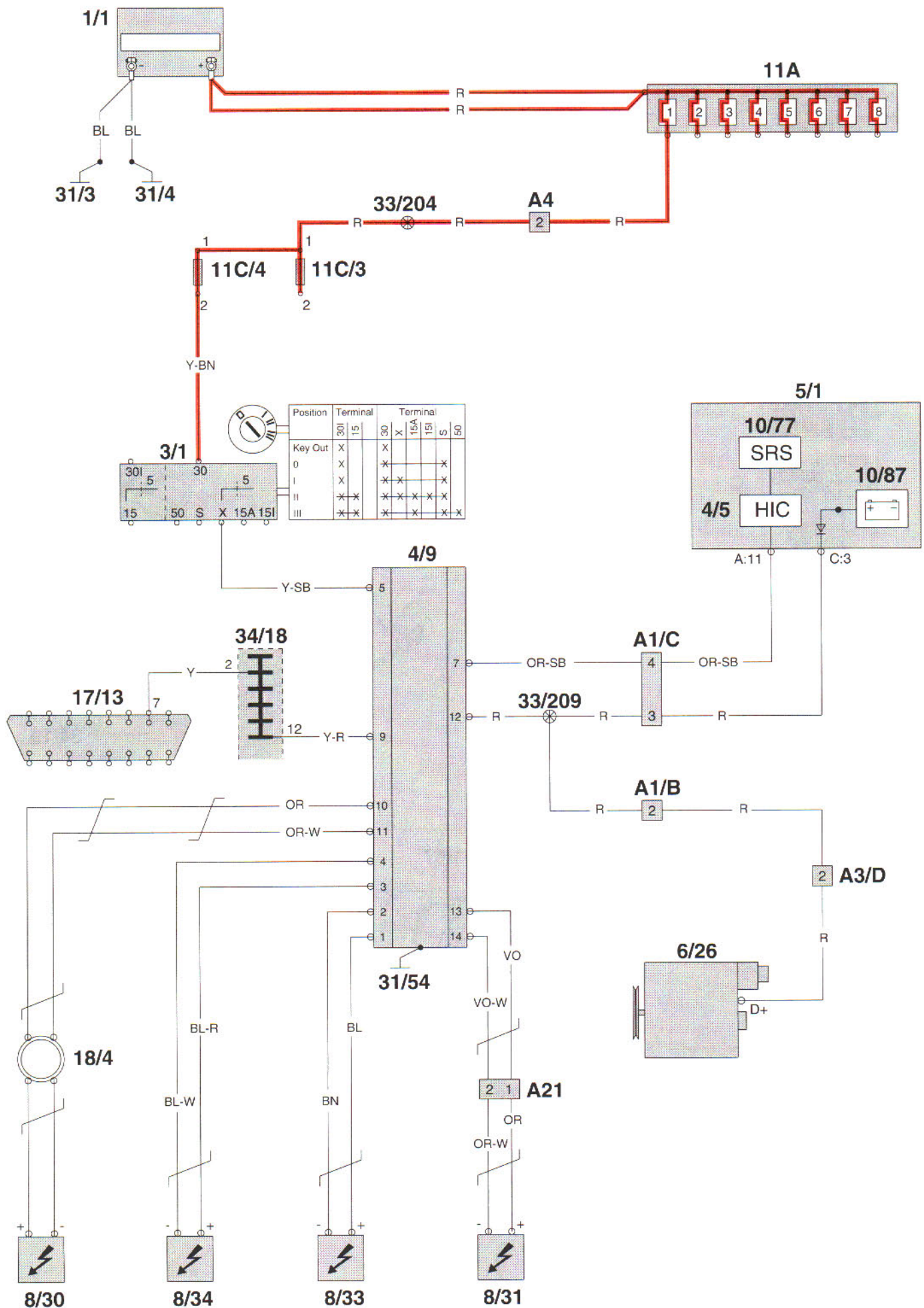
Temperature sensor Japan

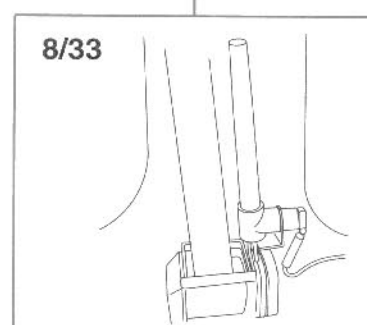
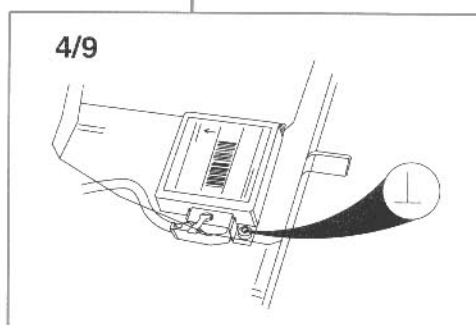
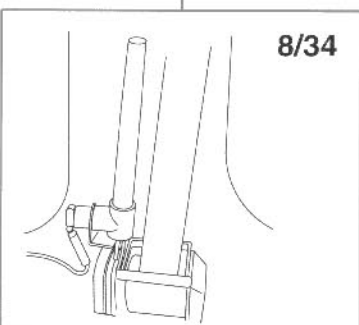
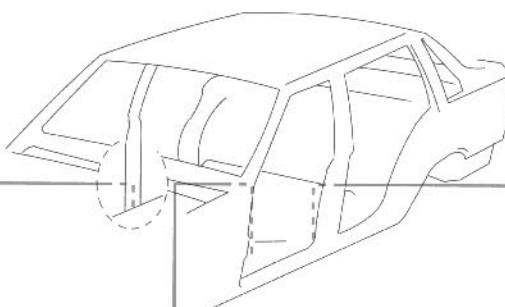
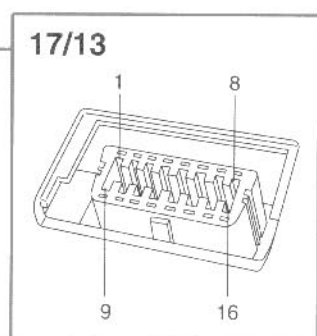
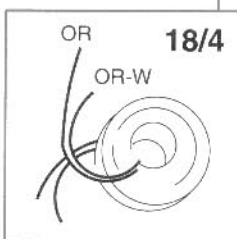
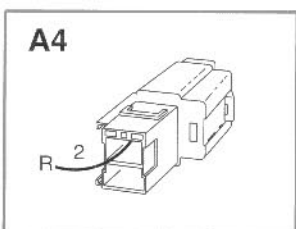
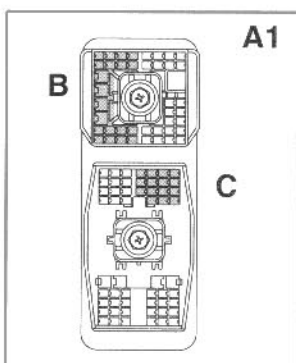
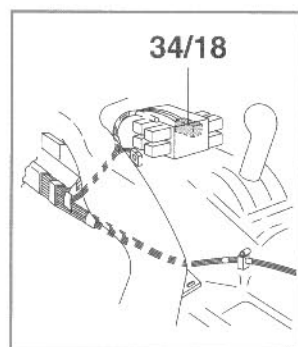
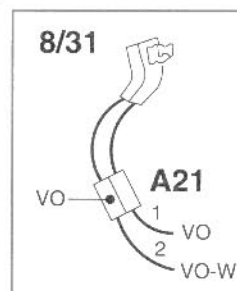
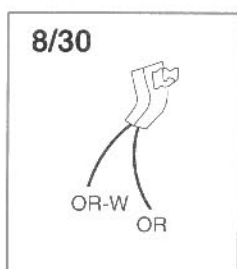
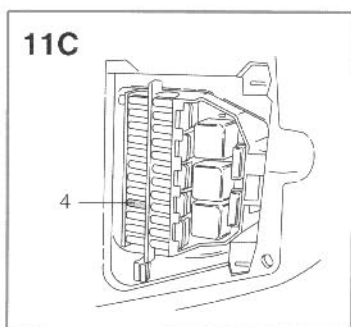
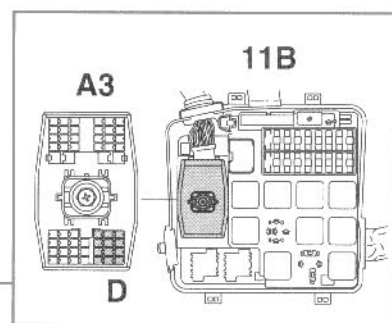
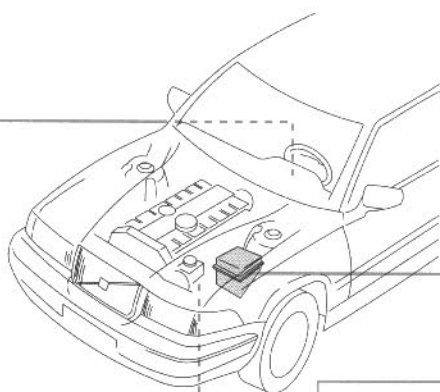
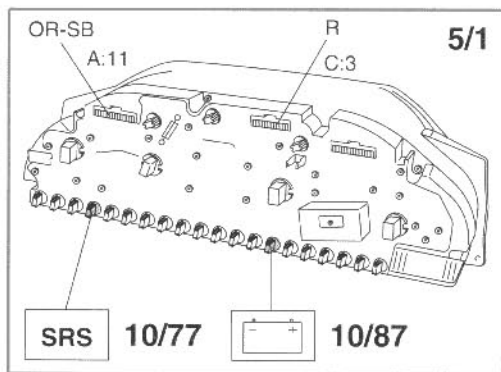
For function diagram, see page 193.



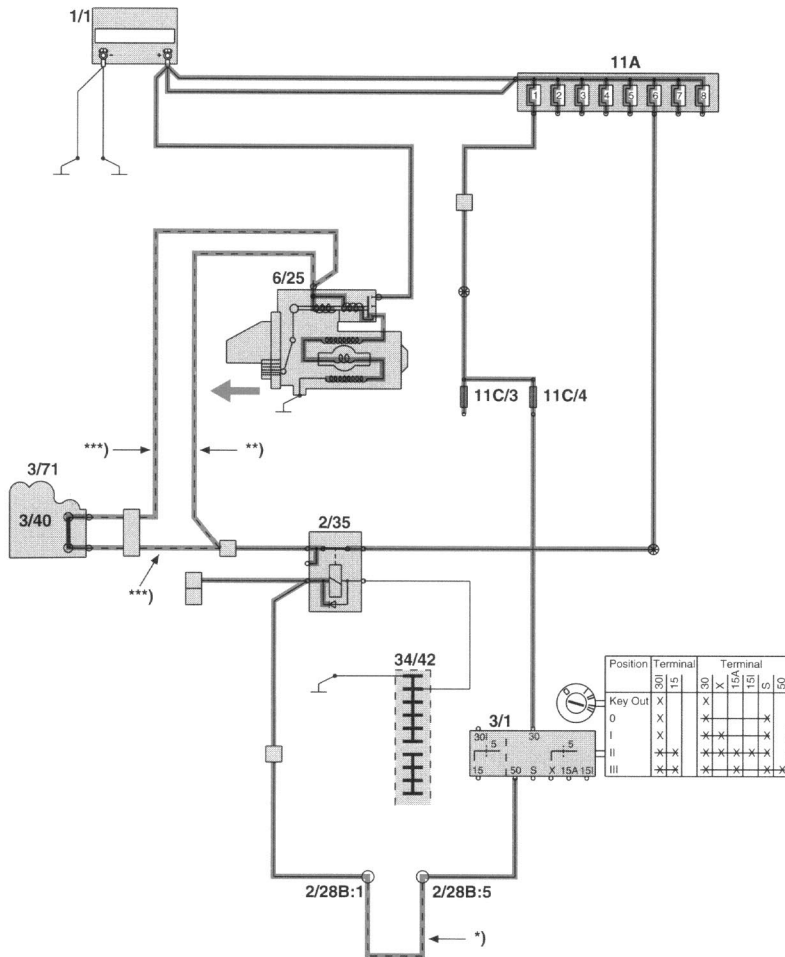


Supplemental Restraint System (SRS)



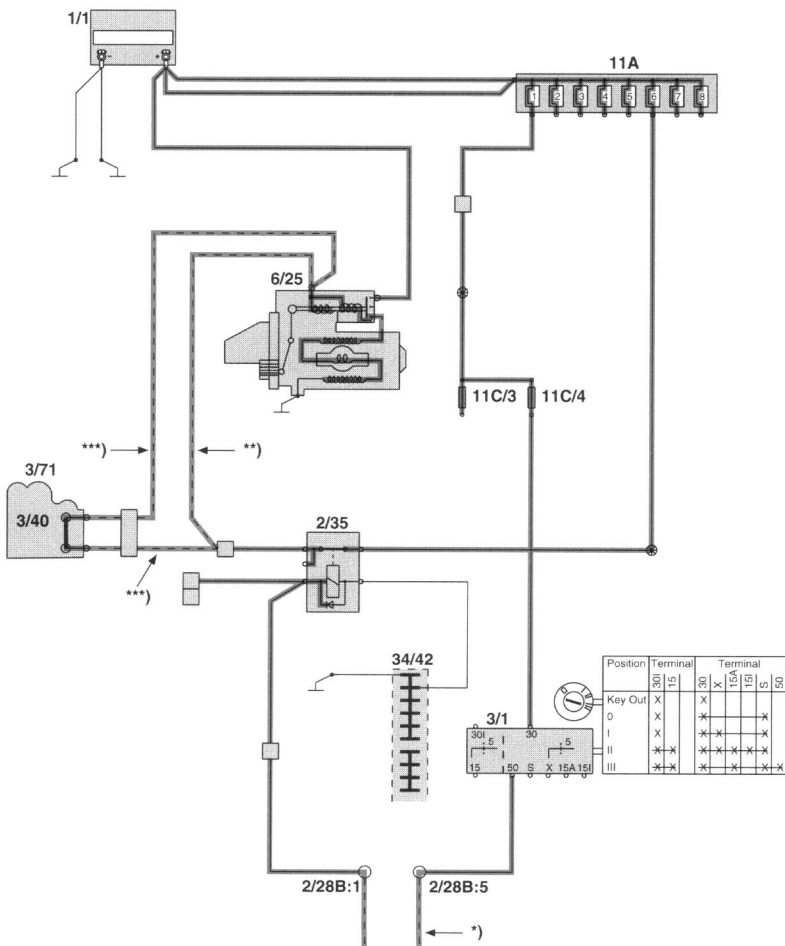


Starter system Function diagram



Solenoid meshes the starter sprocket with the ring gear.

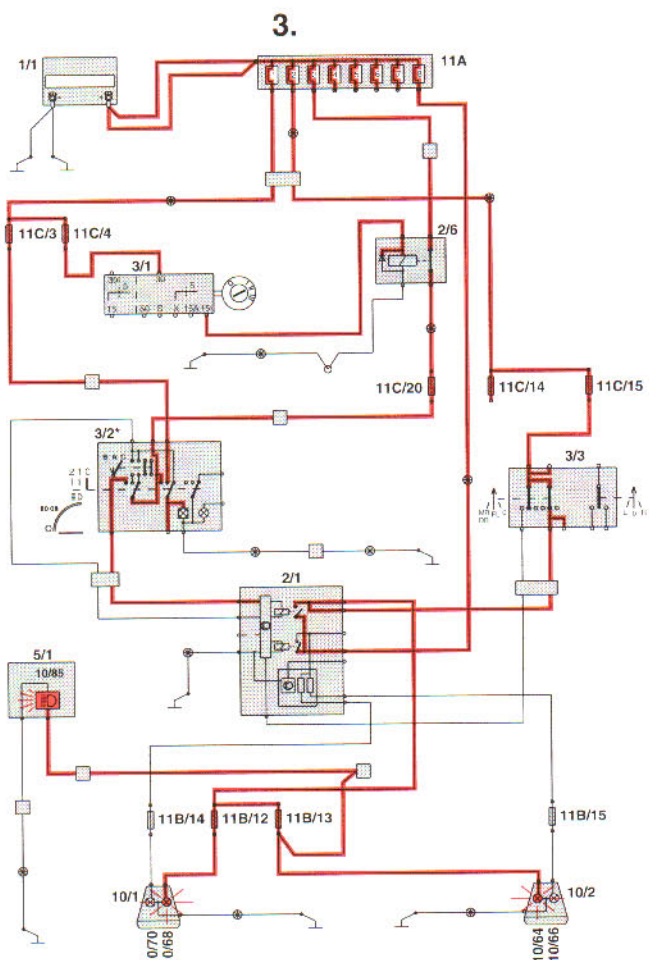
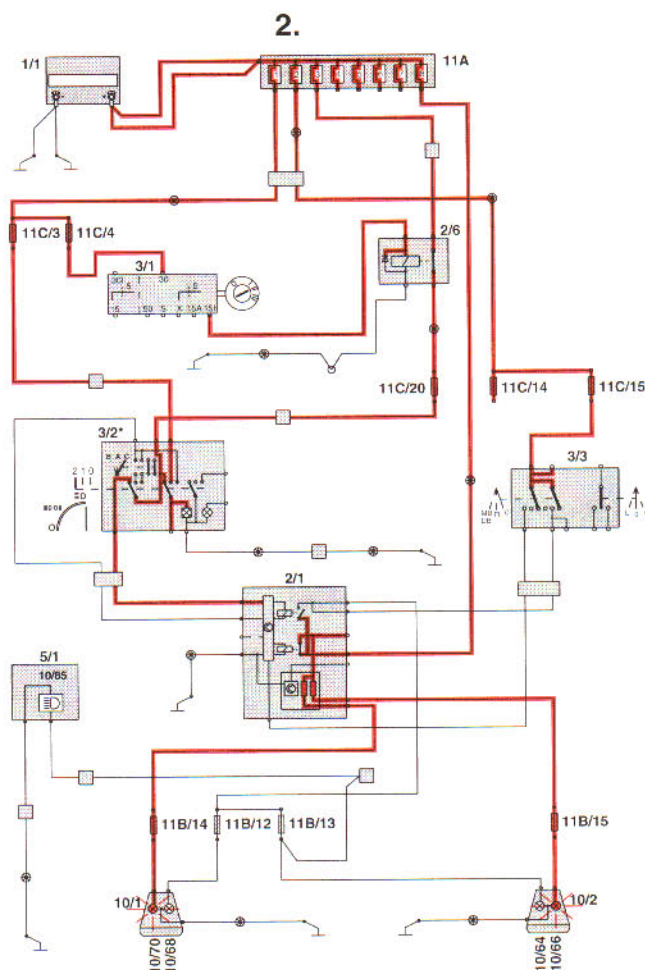
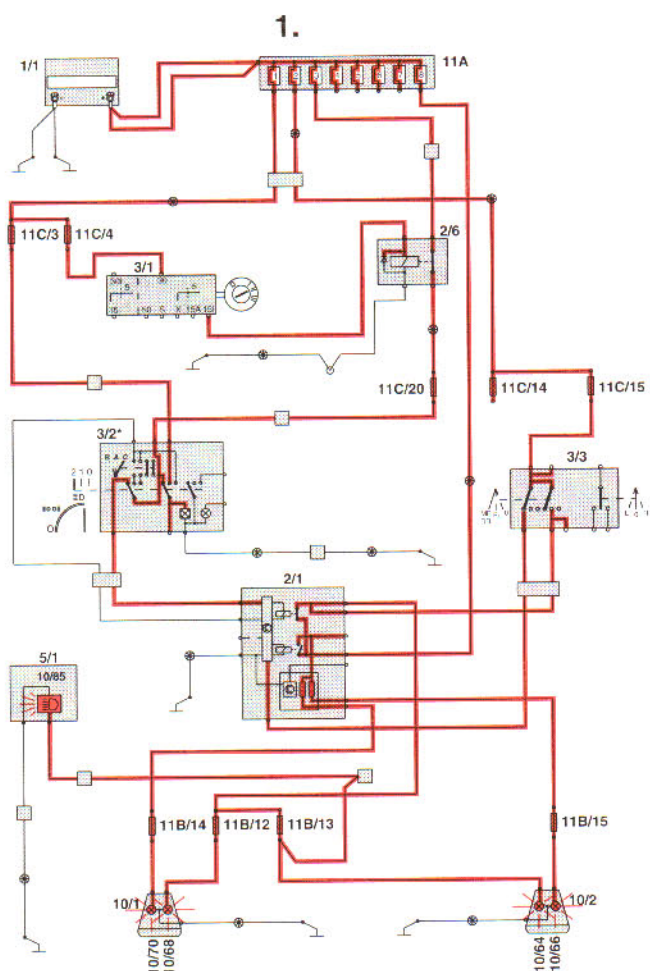
In cars with automatic transmission the park/neutral position (PNP) switch, 3/40, must be closed before the starter motor receives power.



Starter sprocket meshes, contact close and the starter motor starts turning.

- ***) Cars without anti-theft alarm**
(Cars with anti-theft alarm
see also pages 98 and 100
- ****) Manual transmission**
- *****) Automatic transmission**

High and low beam Function diagram



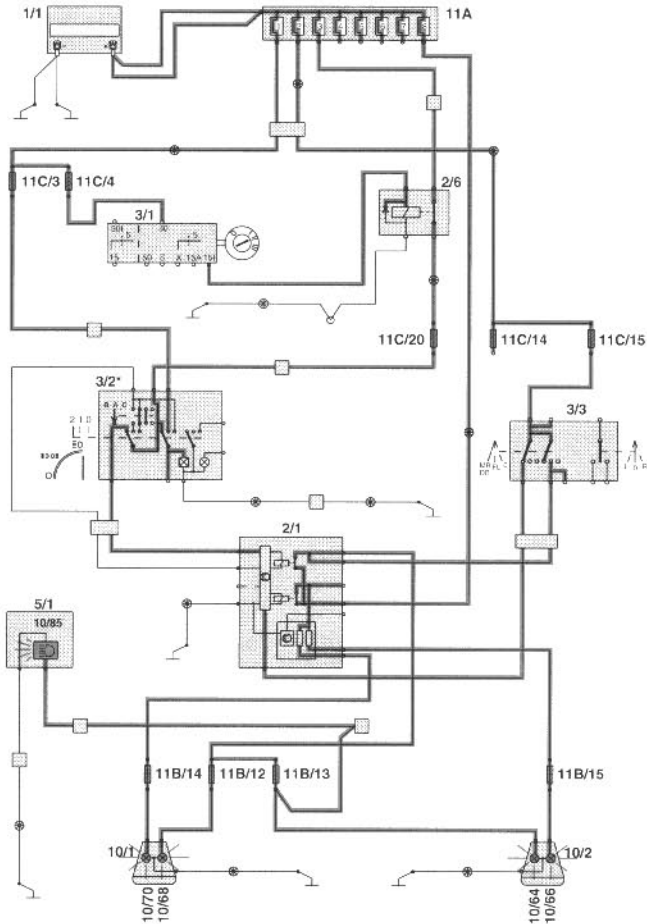
Ignition on.

1. High beam.
Light switch in headlamps position
and high/low beam switch on high
beam.
2. Low beam.
Light switch in headlamps position
and high/low beam switch on low
beam.
3. High beam flash.
Light switch off and high/low beam
switch on high beam.

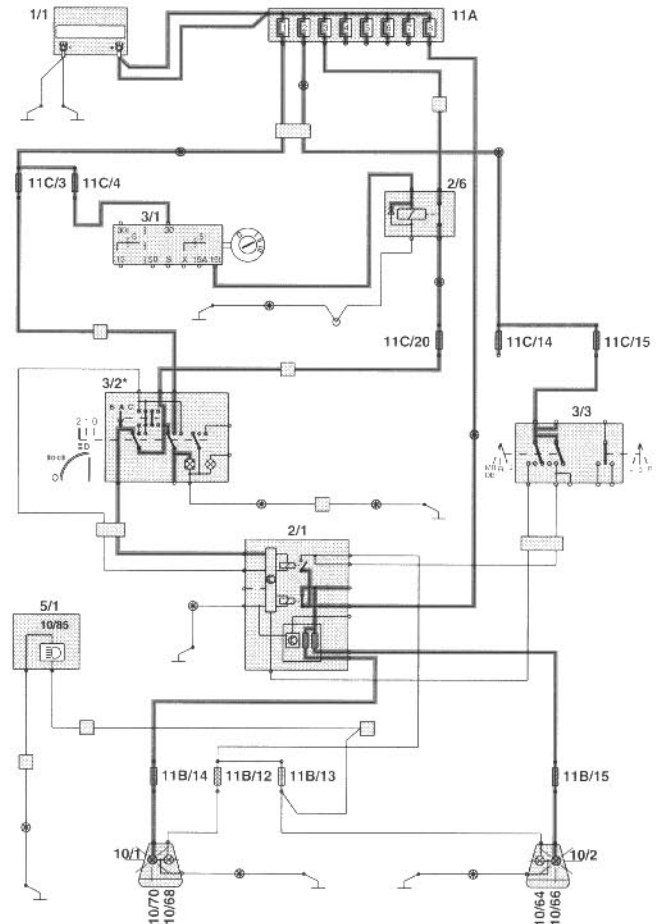
High and low beam Scandinavia, Holland, Belgium, USA

Function diagram

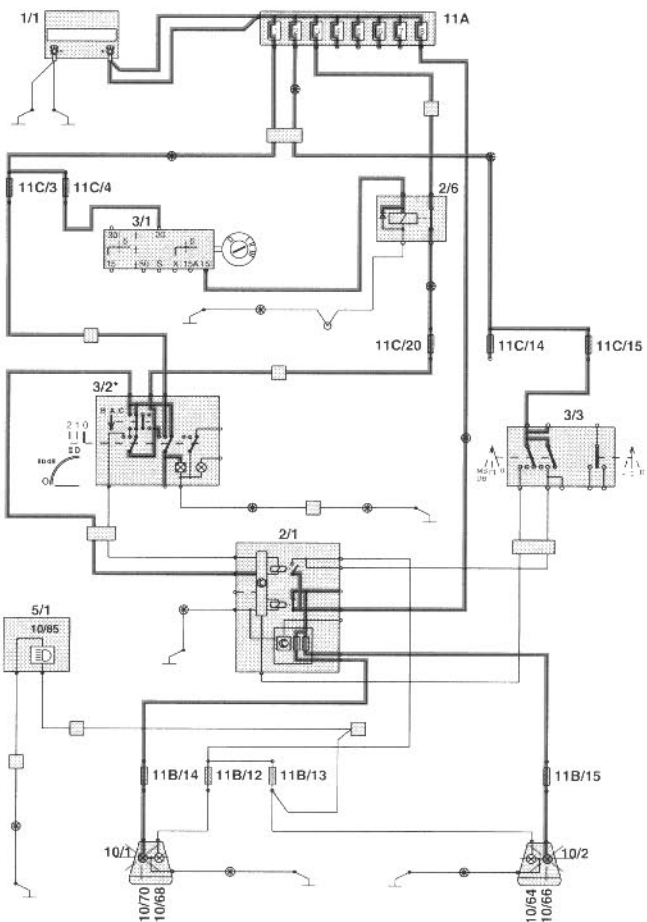
High beam



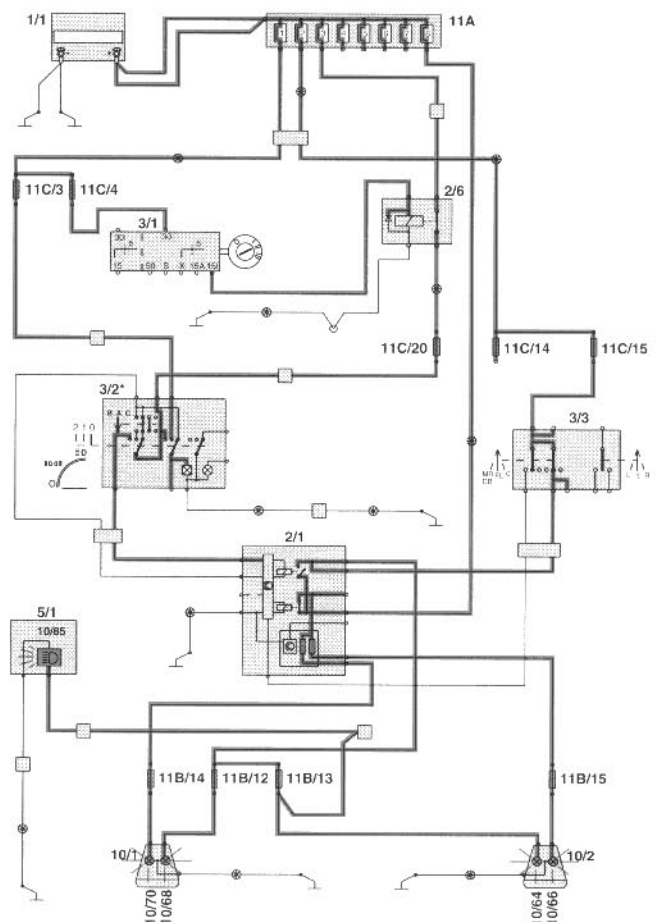
Low beam



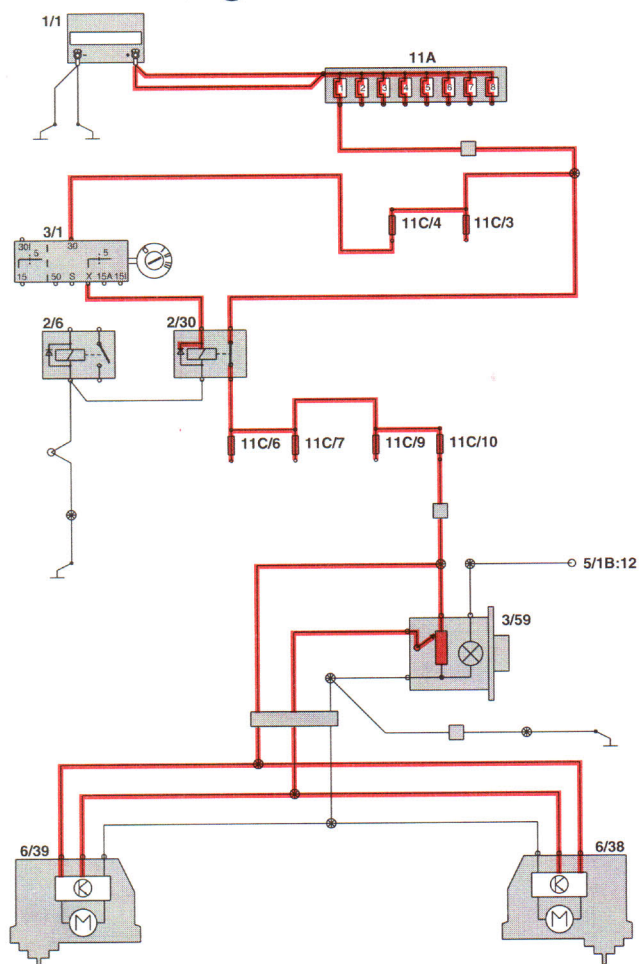
Automatic low beam



High beam flash

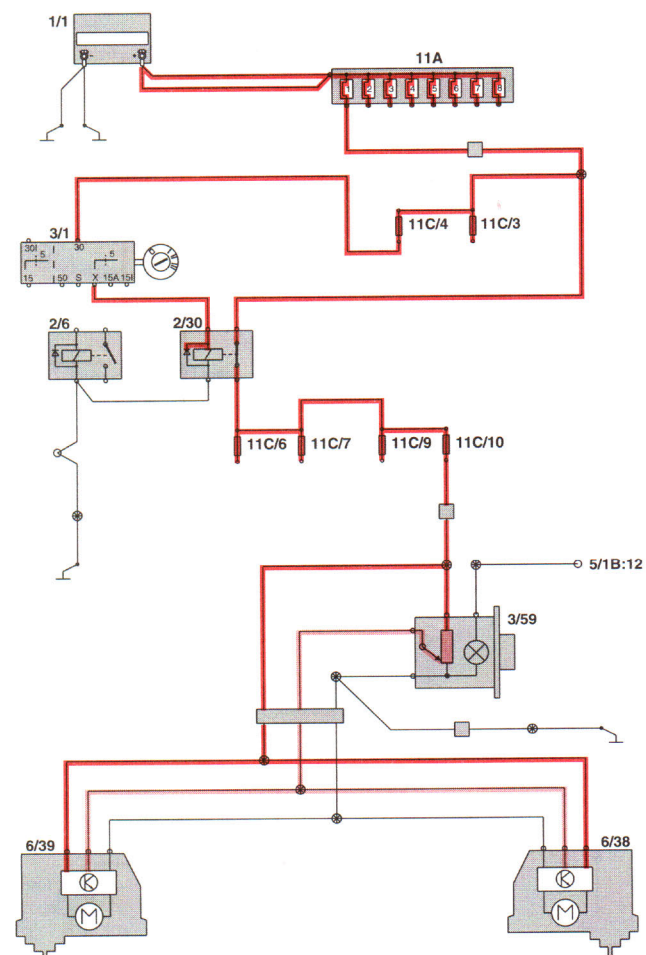


Beam width control Function diagram



Ignition on.

Headlamps in highest position.
Output signal from beam width
control, 3/59, approx. 11 volt.

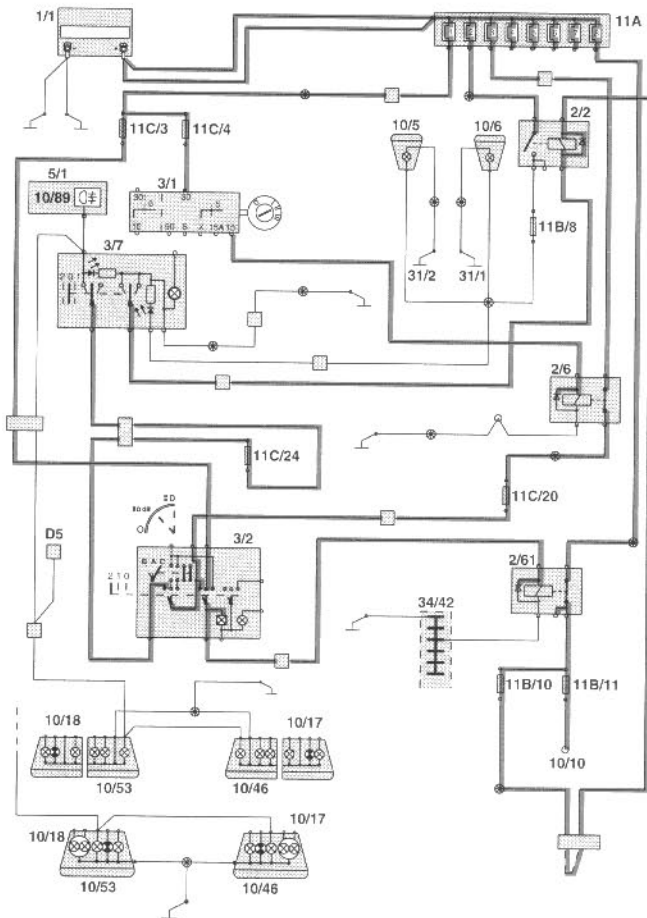


Ignition on.

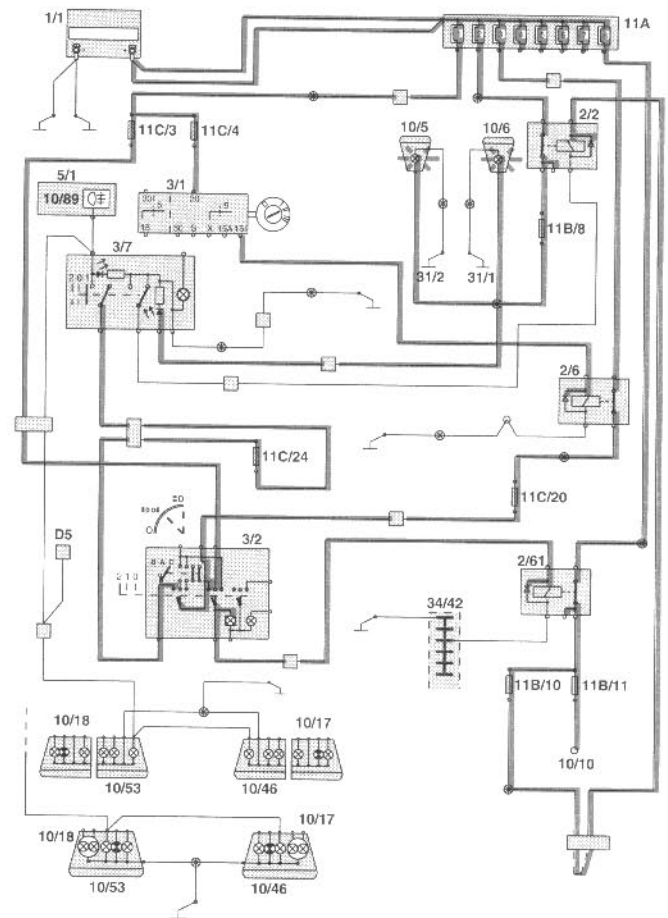
Headlamps in lowest position.
Output signal from beam width
control, 3/59, ca. 0 volt.

Fog lights Function diagram

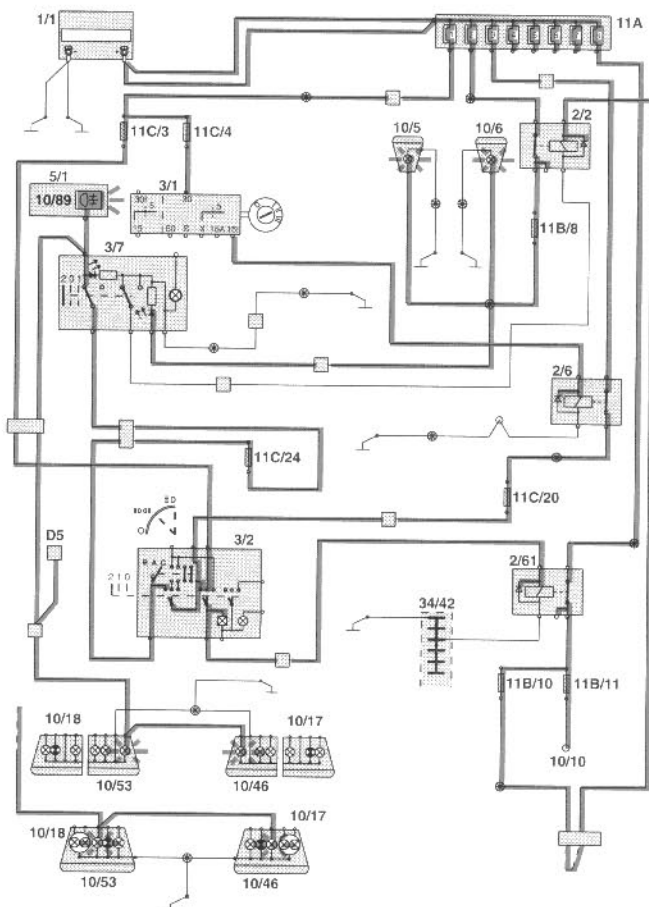
1.



2.



3.



Ignition on.

1. Fog lights switch in position 0.

2. Light switch in position side lights or headlamps.
Fog lights switch in position 1.

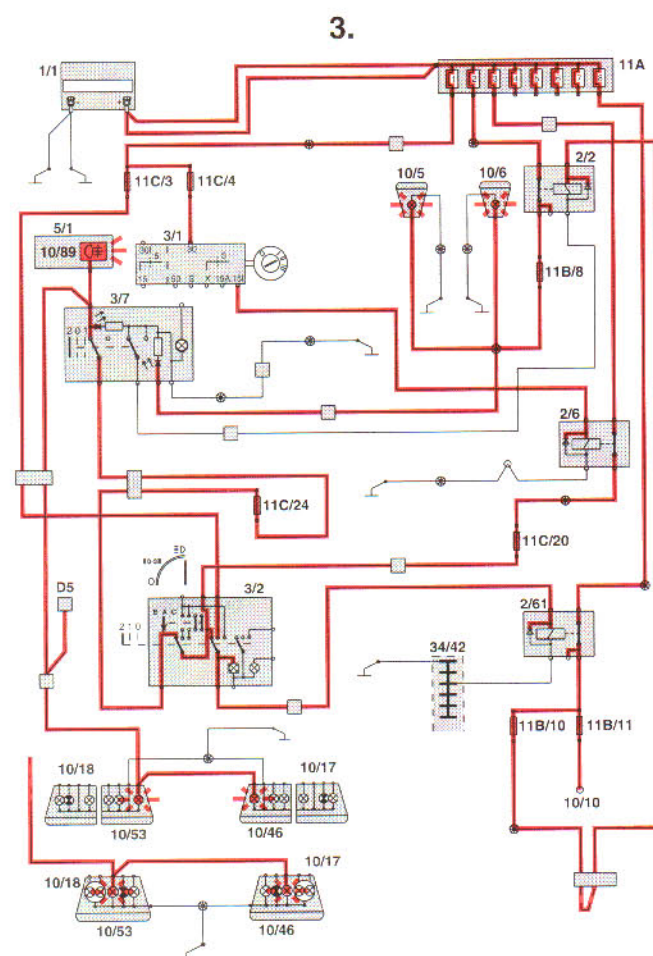
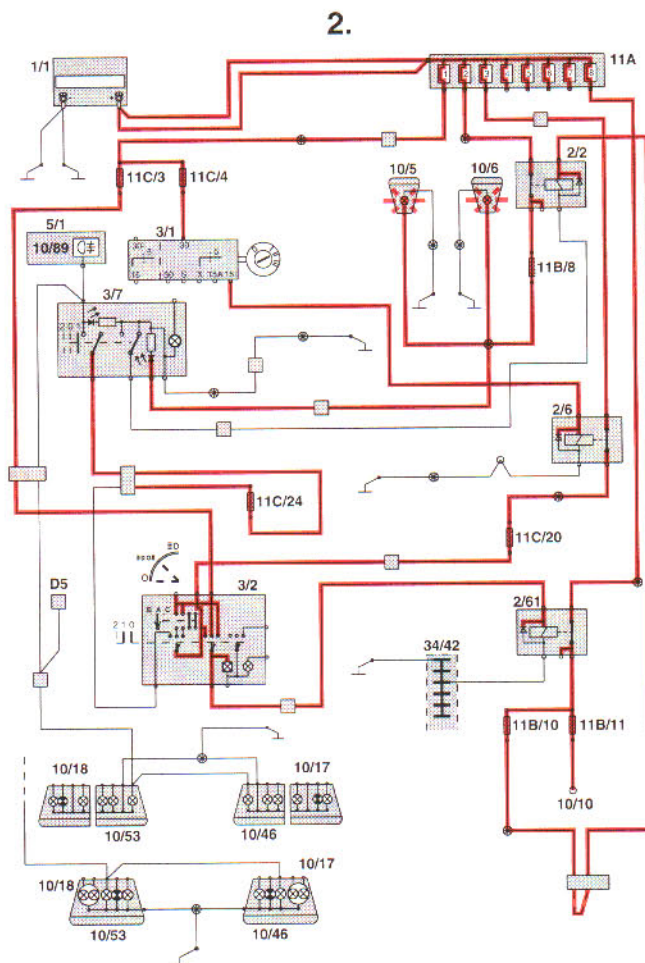
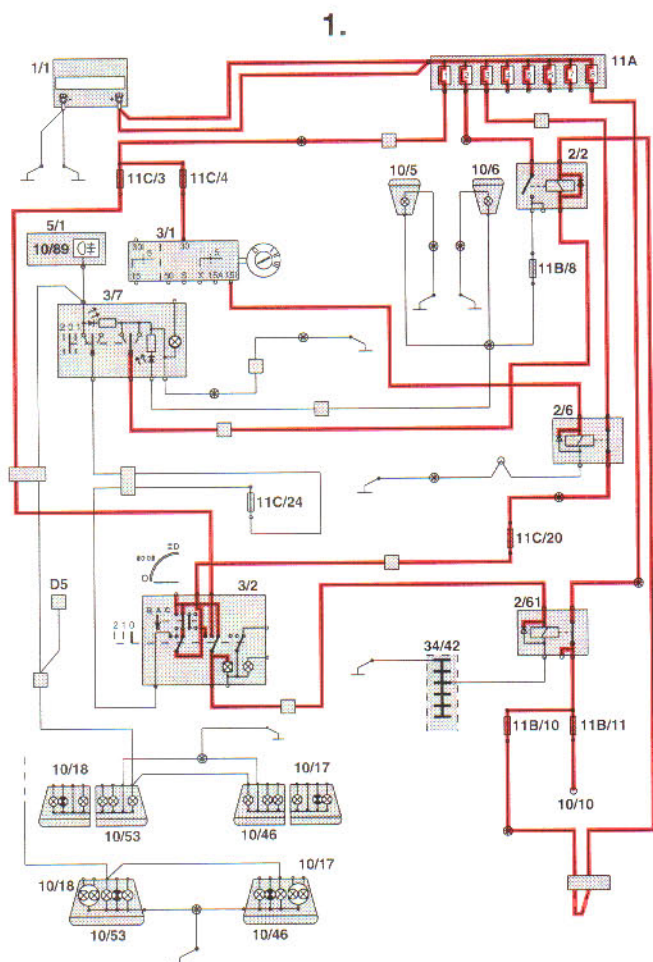
Front fog light lit.

3. Light switch in head light position.
Fog lights switch in position 2.

Front fog lights and rear fog lights lit.

Fog lights Scandinavia, Holland, Belgium

Function diagram



Ignition on.

1. Fog lights switch in position 0.

Fog light off.

2. Light switch in any position.
Fog lights switch in position 1.

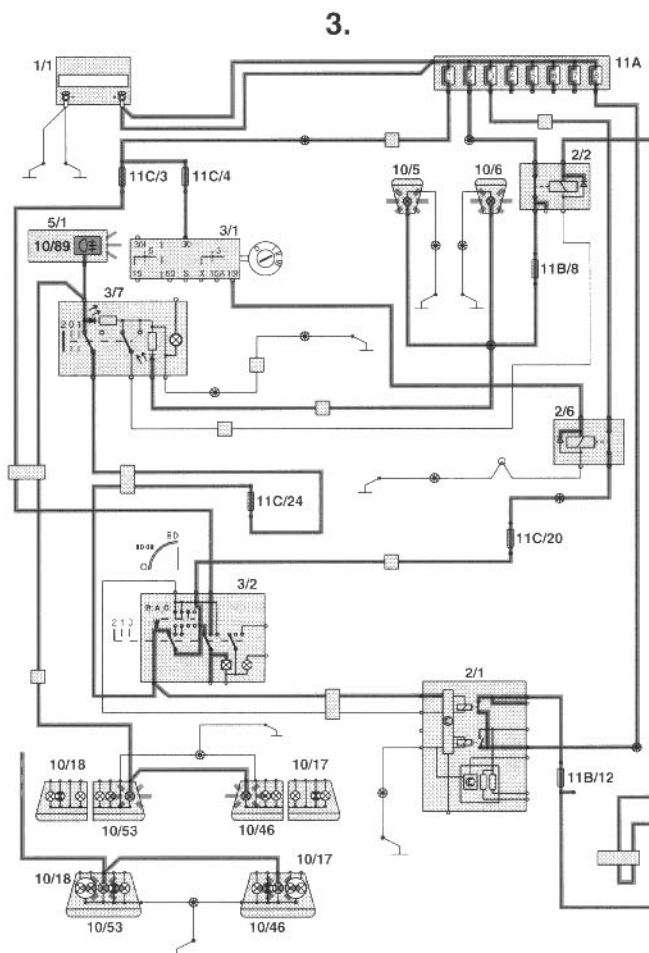
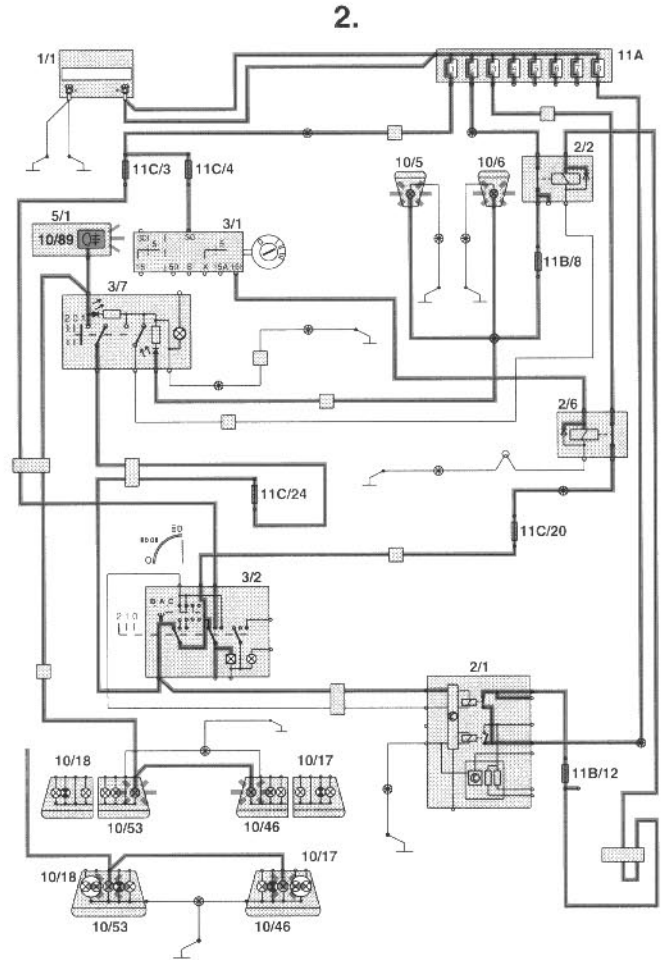
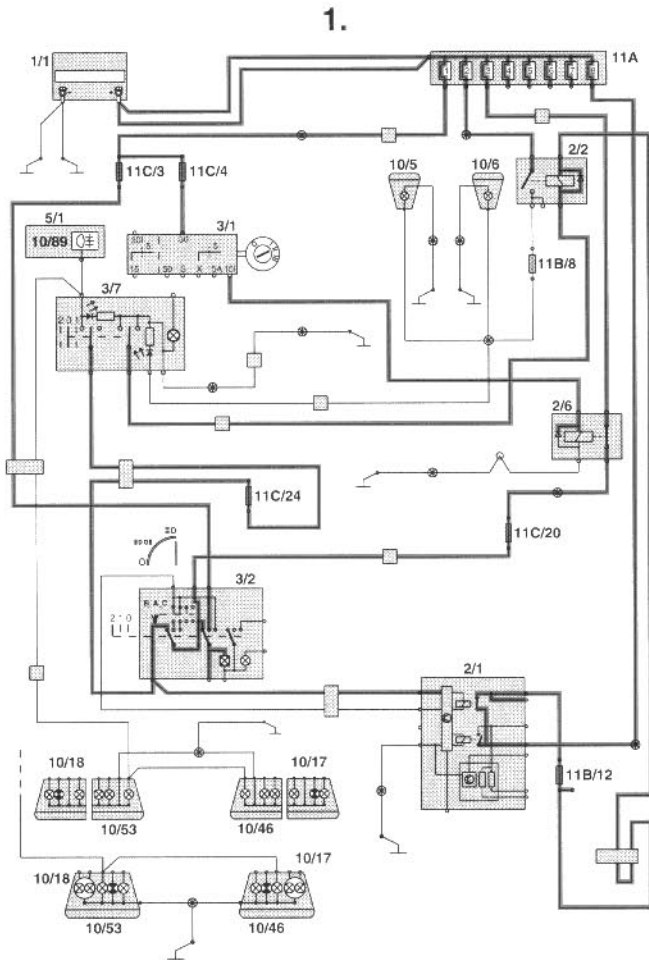
Front fog light lit.

3. Light switch in head light position.
Fog lights switch in position 2.

Front fog lights and rear fog lights lit.

Fog lights Japan

Function diagram



Ignition on.
Light switch in head light position.
High beam on.

1. Fog lights switch in position 0.

Fog light off.'

2. Fog lights switch in position 1.

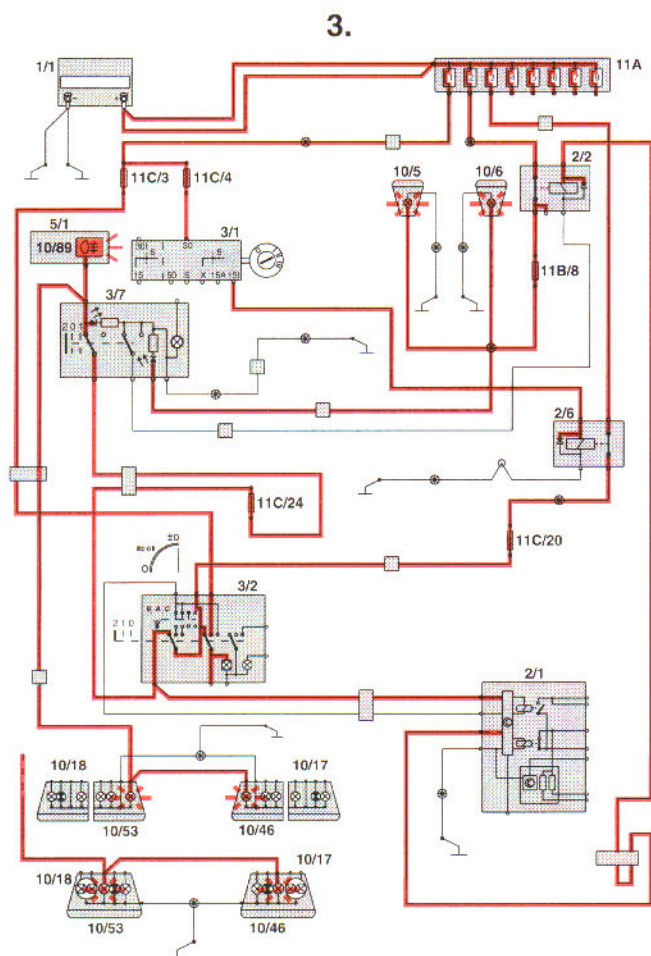
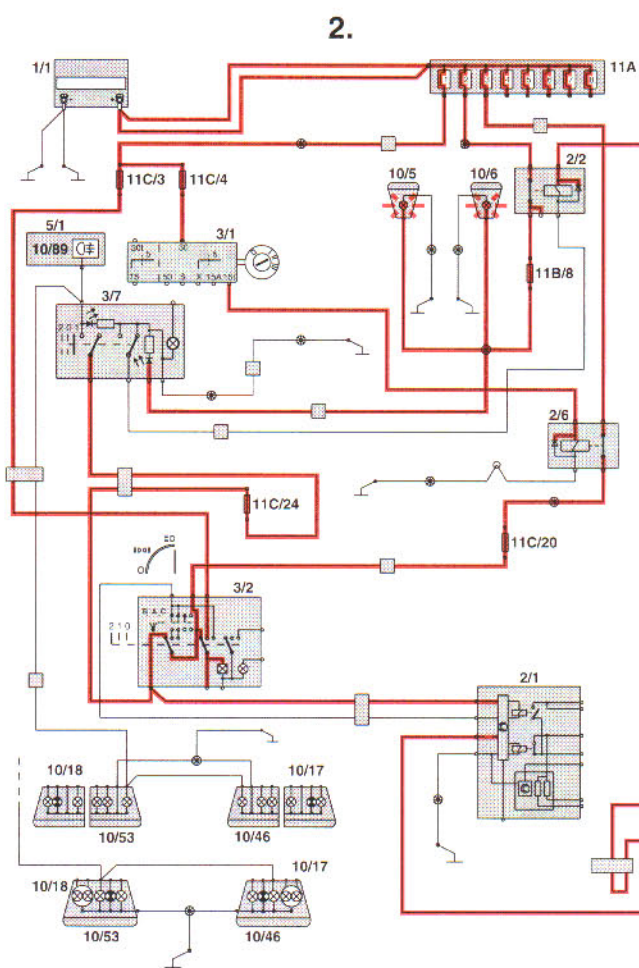
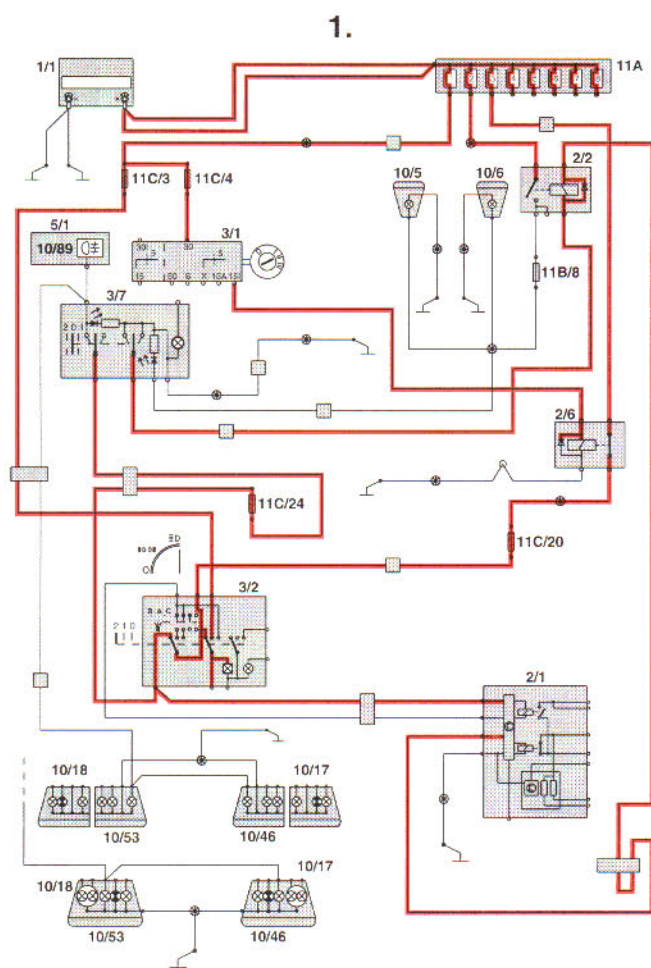
Front fog light lit.

3. Fog lights switch in position 2.

Front fog lights and rear fog lights lit.

Fog lights USA/Canada

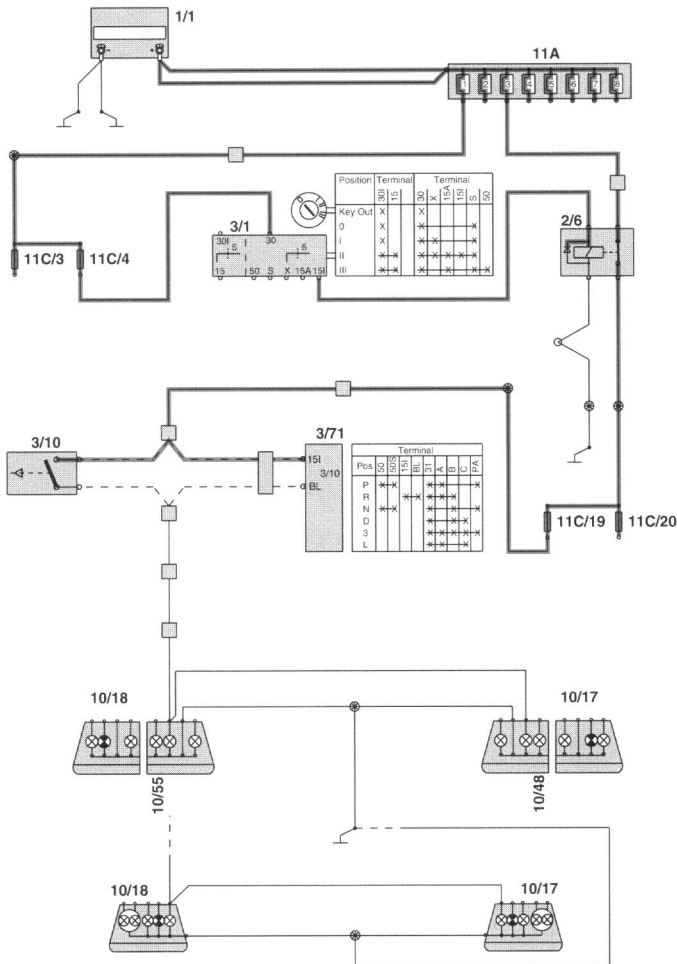
Function diagram



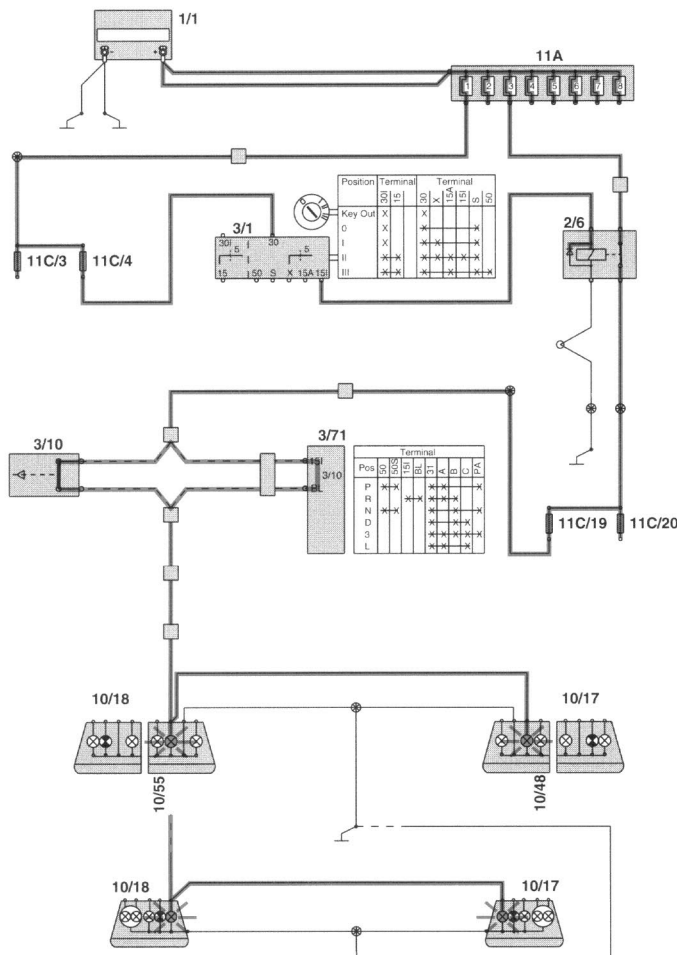
Ignition on.
Light switch in head light position.
Low beam on.

1. Fog lights switch in position 0.
Fog light off.
2. Fog lights switch in position 1.
Front fog light lit.
3. Fog lights switch in position 2.
Front fog lights and rear fog lights lit.

Backup (reversing) light Function diagram

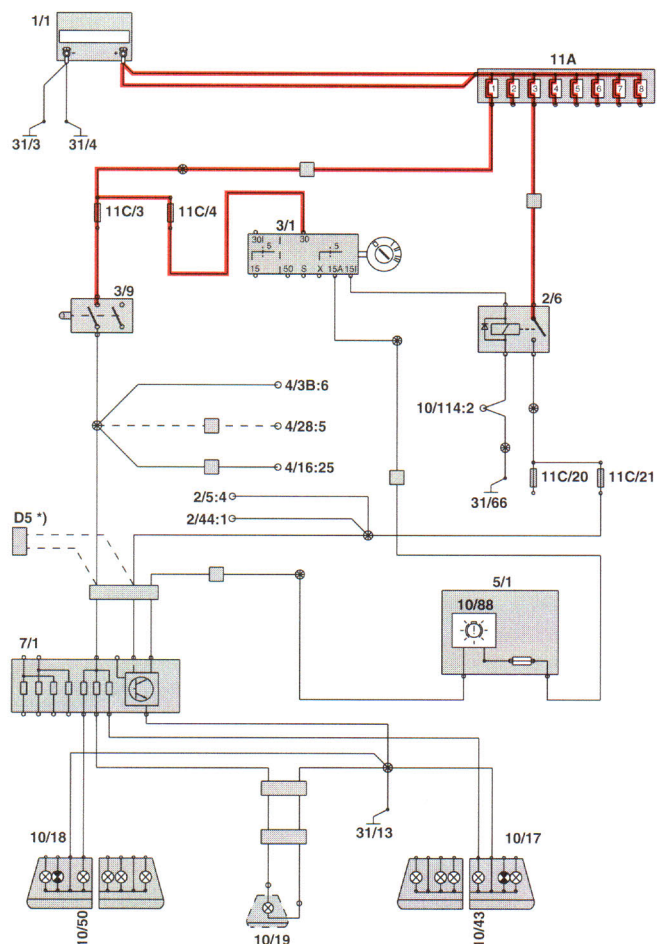


Ignition on
Backup (reverse) gear not en-
gaged.

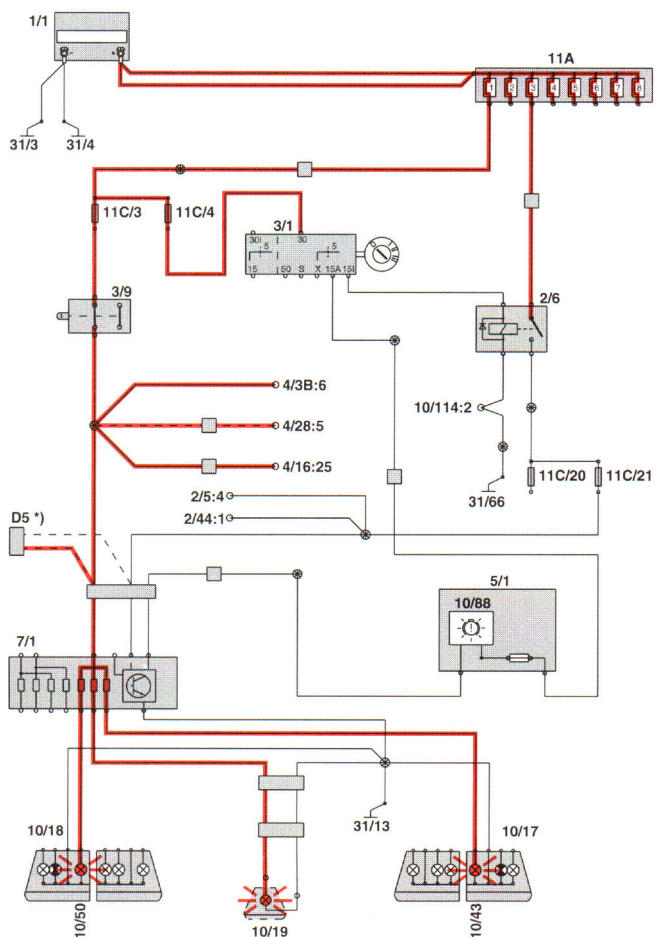


Ignition on
Backup (reverse) gear engaged.

Brake light, 4-door Function diagram



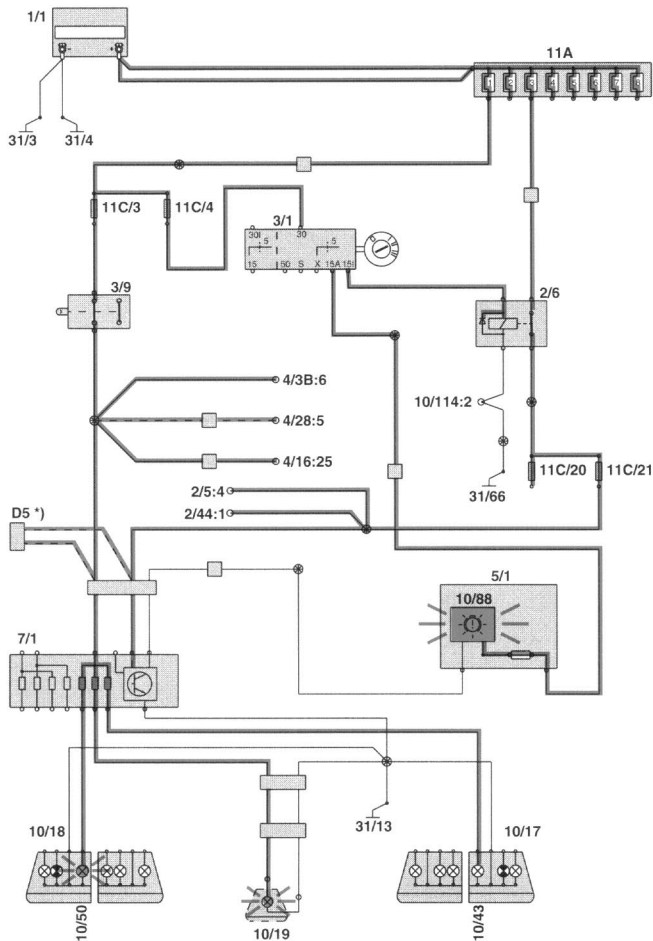
Brakes not on



Brake pedal depressed

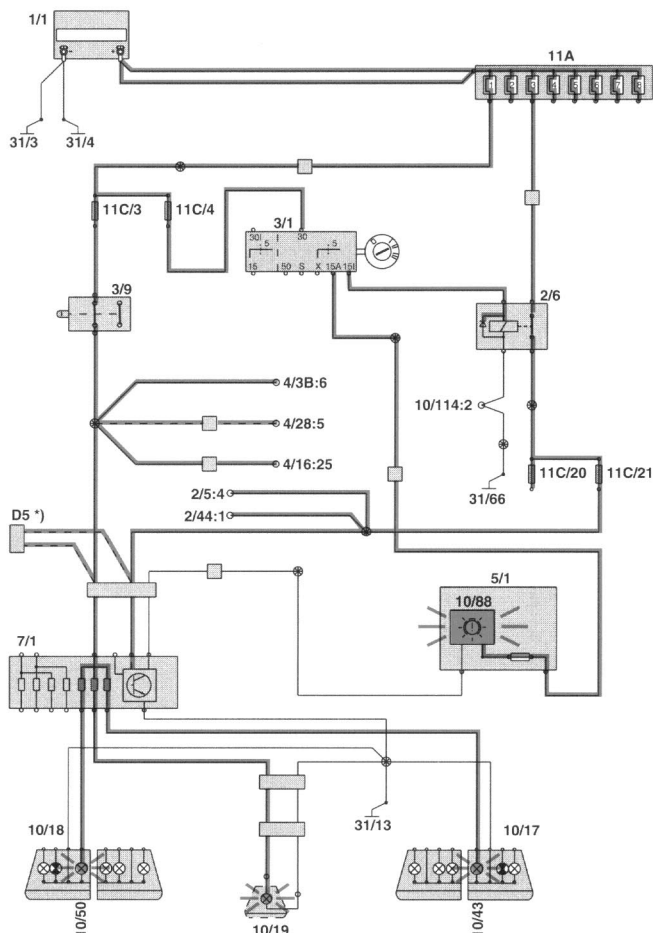
*) Not USA/Canada

Brake light, 4-door Function diagram



Ignition on.
Brake pedal depressed.
Right brake light bulb defective.

Bulb failure warning sensor, 7/1, senses imbalance in power and connects the bulb failure warning sensor warning lamp to ground, lighting it.



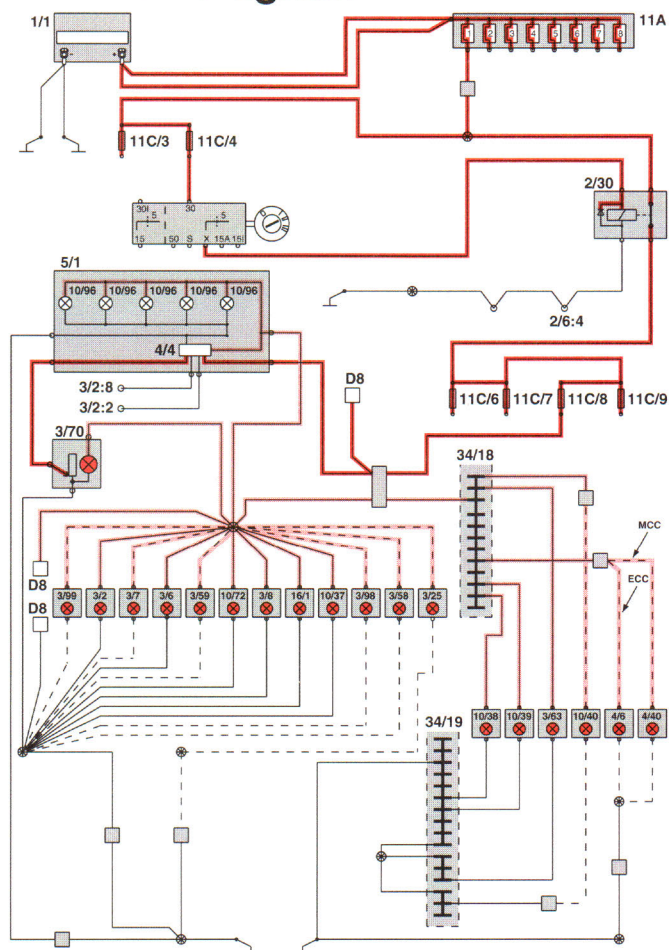
Brake cable check (certain markets)

Ignition on and bulb failure warning sensor lamp lit.
When the brake pedal is depressed the bulb failure warning sensor lamp goes out if the system is OK.

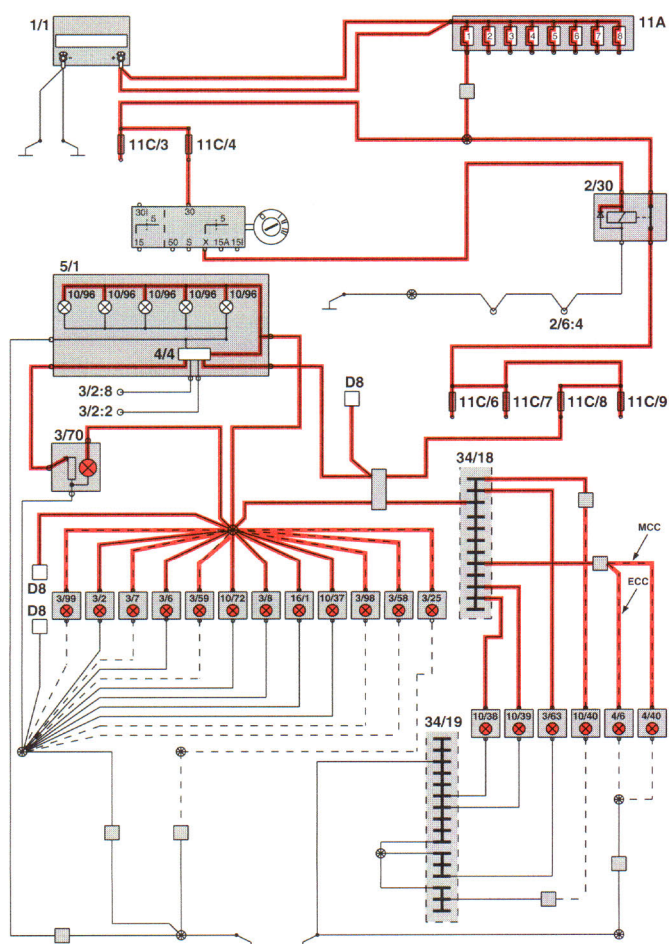
*) Not USA/Canada

Instrumentation and controls lighting

Function diagram

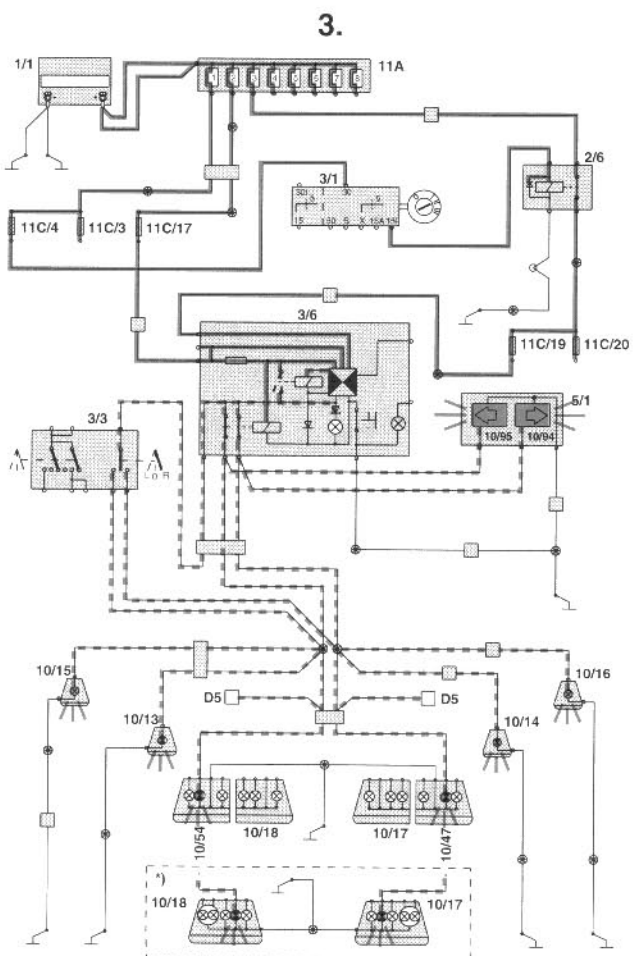
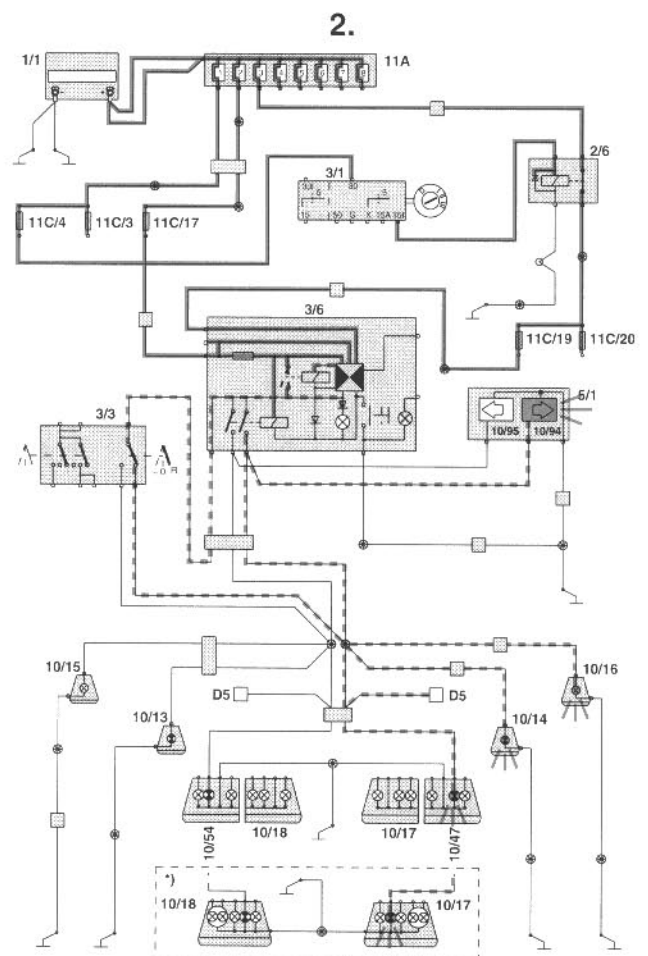
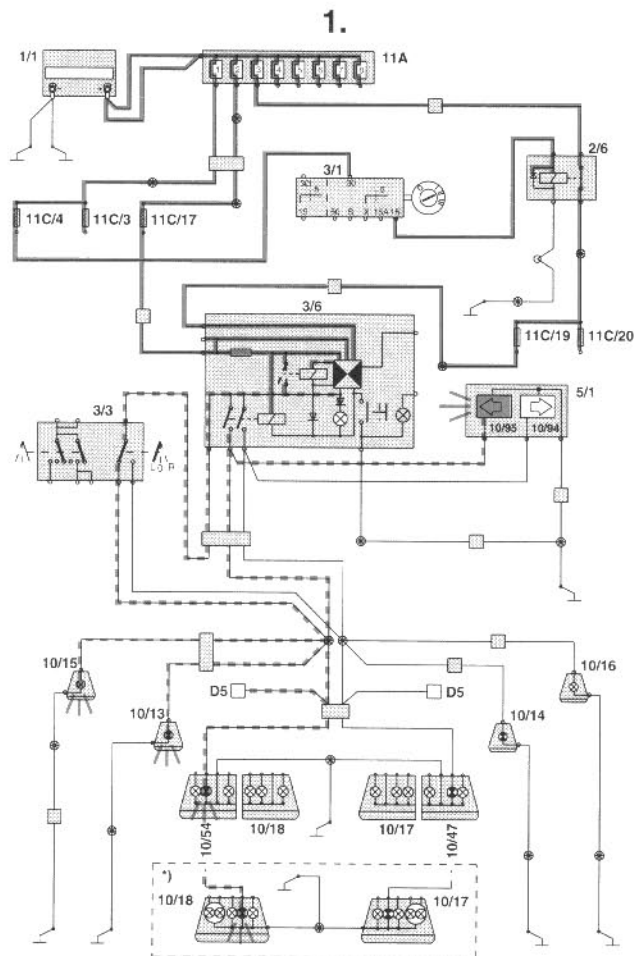


Rheostat, 3/70, set to minimum.
Weak instrumentation and controls
lighting.



Rheostat, 3/70, set to maximum.
Strong instrumentation and controls
lighting.

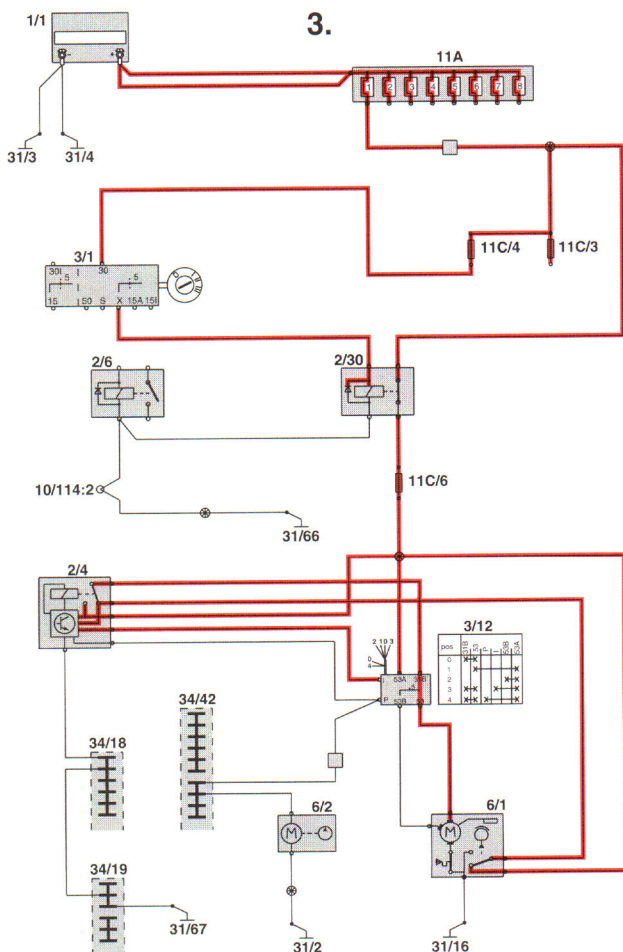
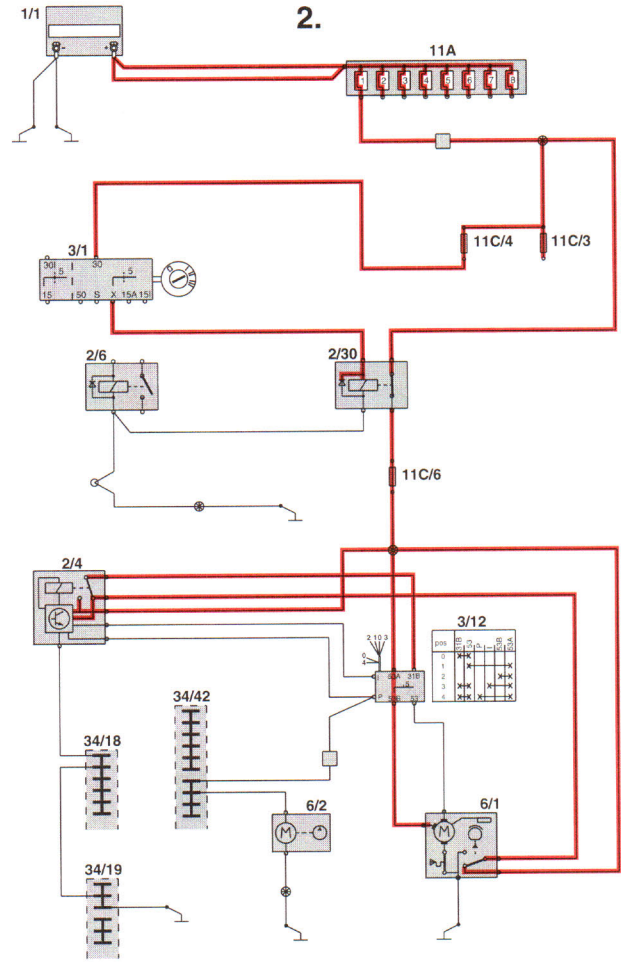
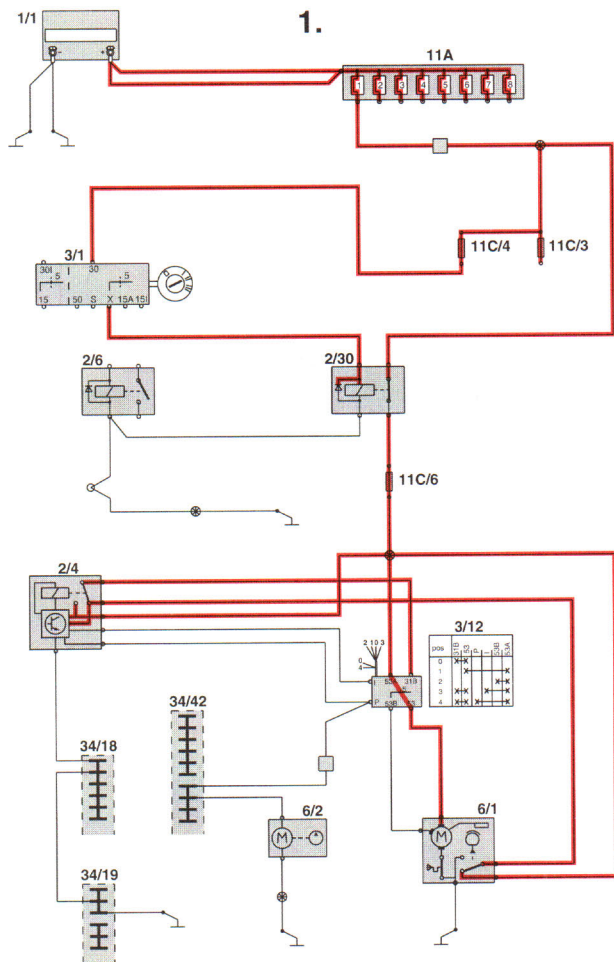
Turn indicator signal, hazard flashers Function diagram



Ignition on.

1. Left turn indicator on.
2. Right turn indicator on.
3. Hazard flashers on.

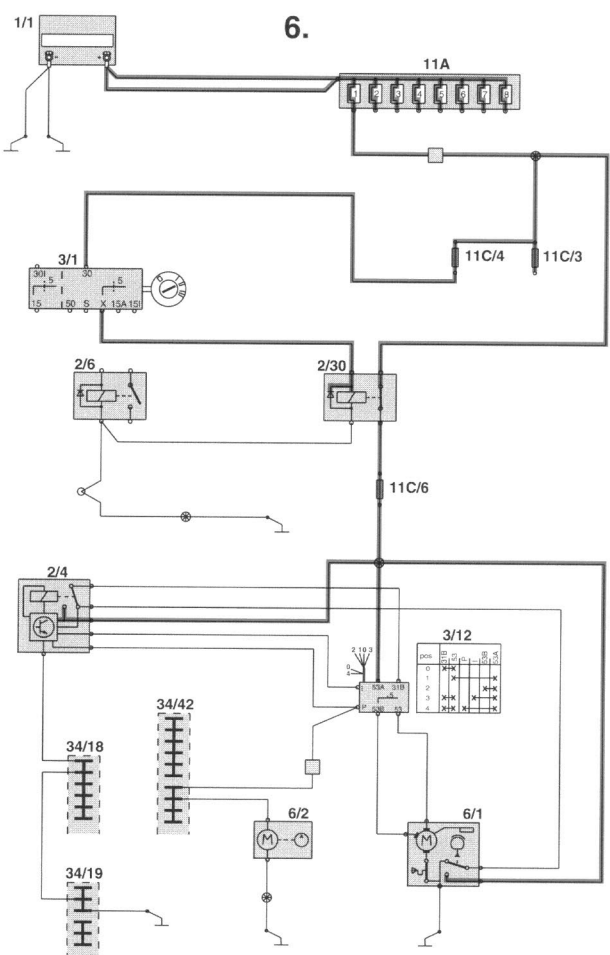
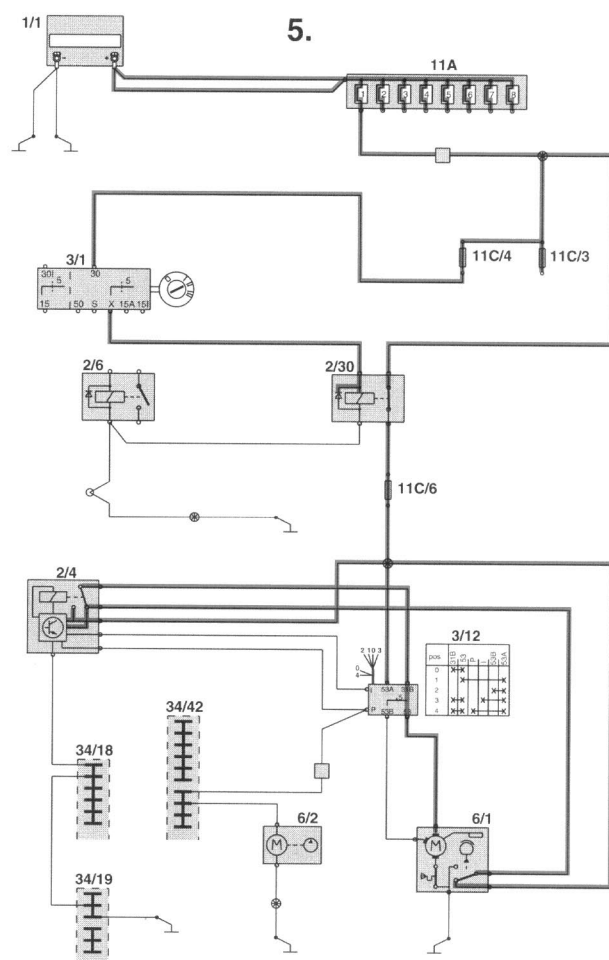
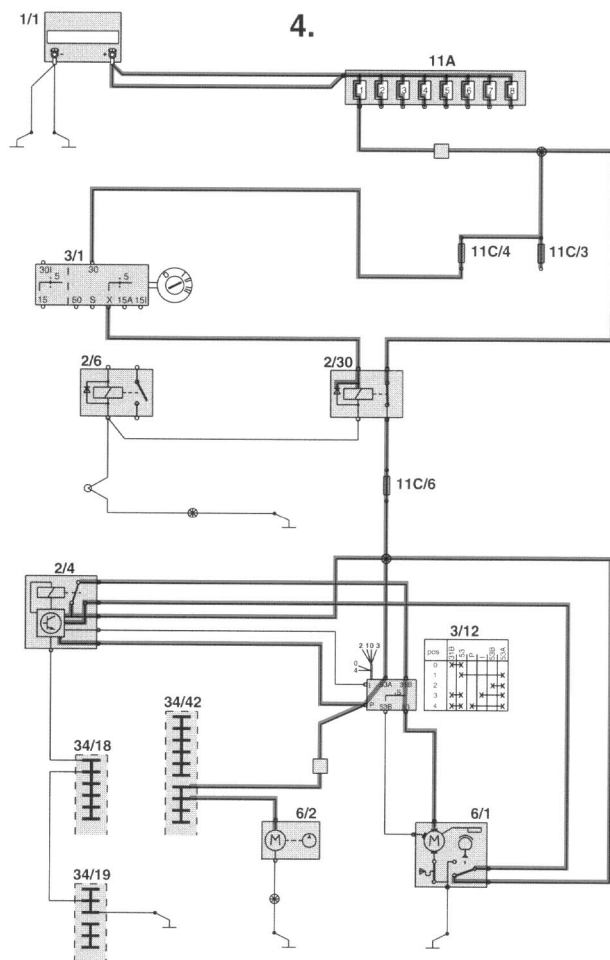
Windshield wiper/-washer Function diagram



Ignition on.

1. Windshield wiper runs at normal speed.
2. Windshield wiper runs at high speed.
3. Windshield wiper runs at intermittent.

Windshield wiper/-washer Function diagram

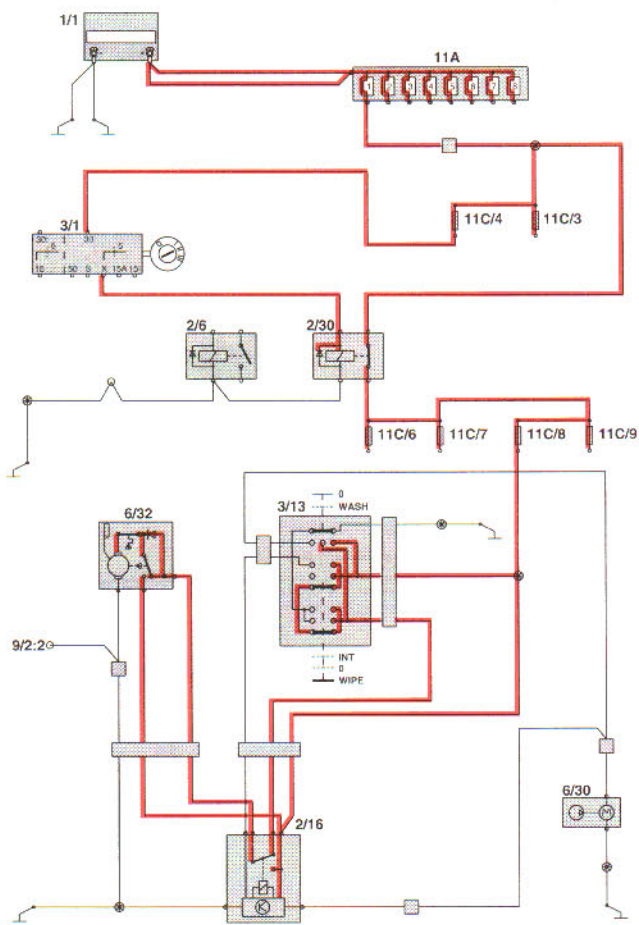


Ignition on.

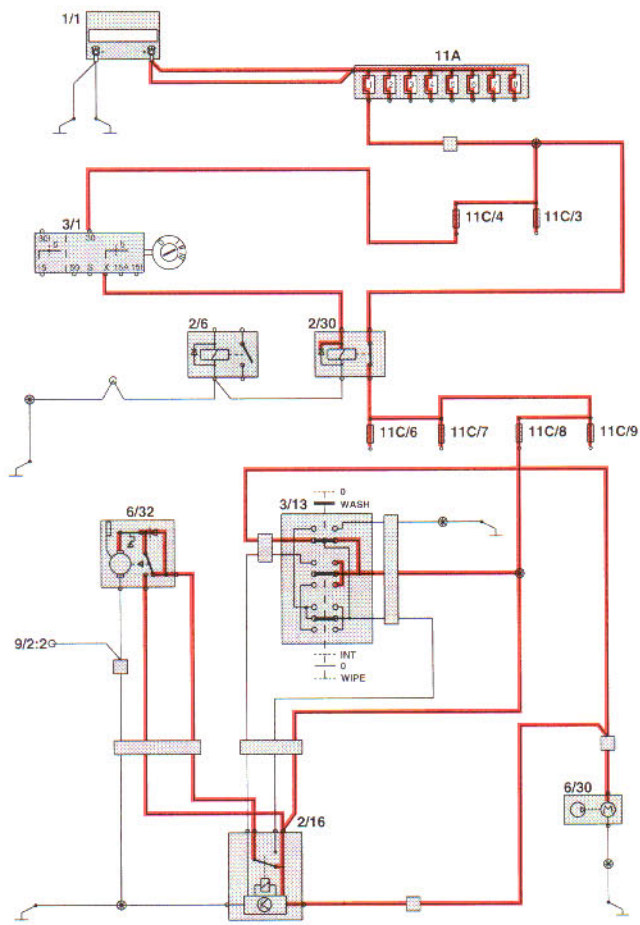
4. Windshield wiper and washer on.
The wiper makes 2-3 passes when the lever released.
5. Windshield wiper runs at parking speed.
6. Windshield wiper in parking mode.

Tailgate wiper/-washer Function diagram

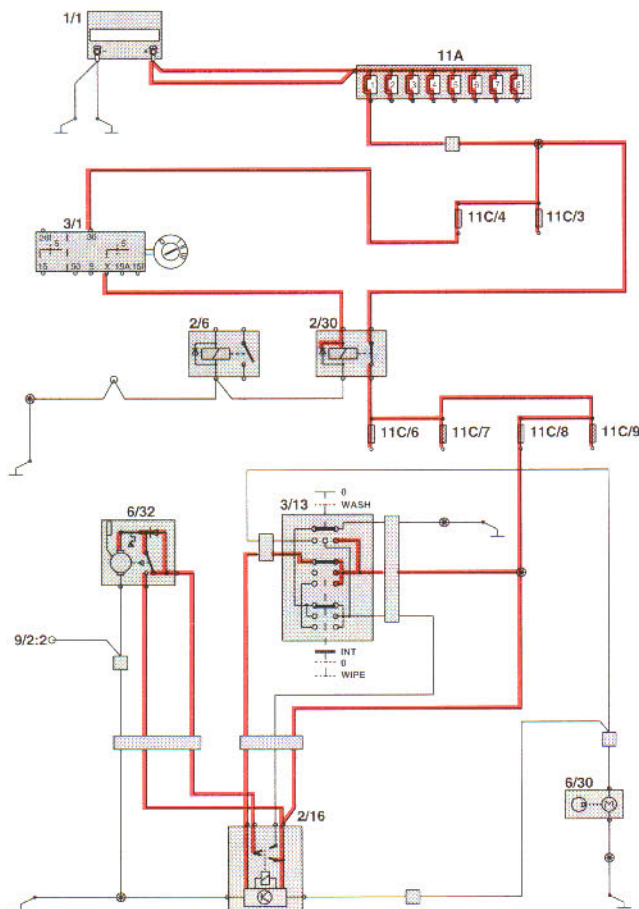
Tailgate wiper on.



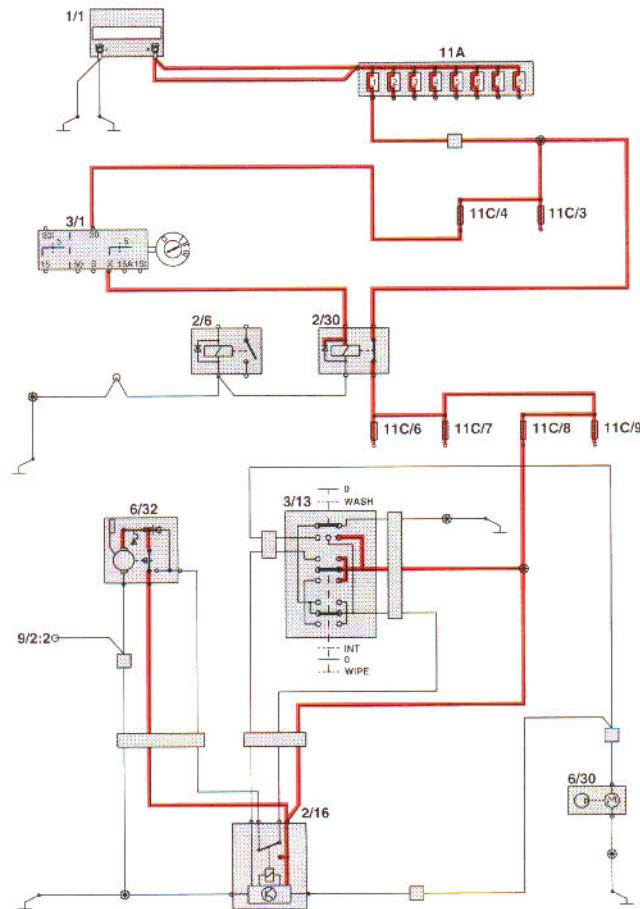
Tailgate wiper and washer on.
The wiper makes 2-3 passes when the
washer button is released.



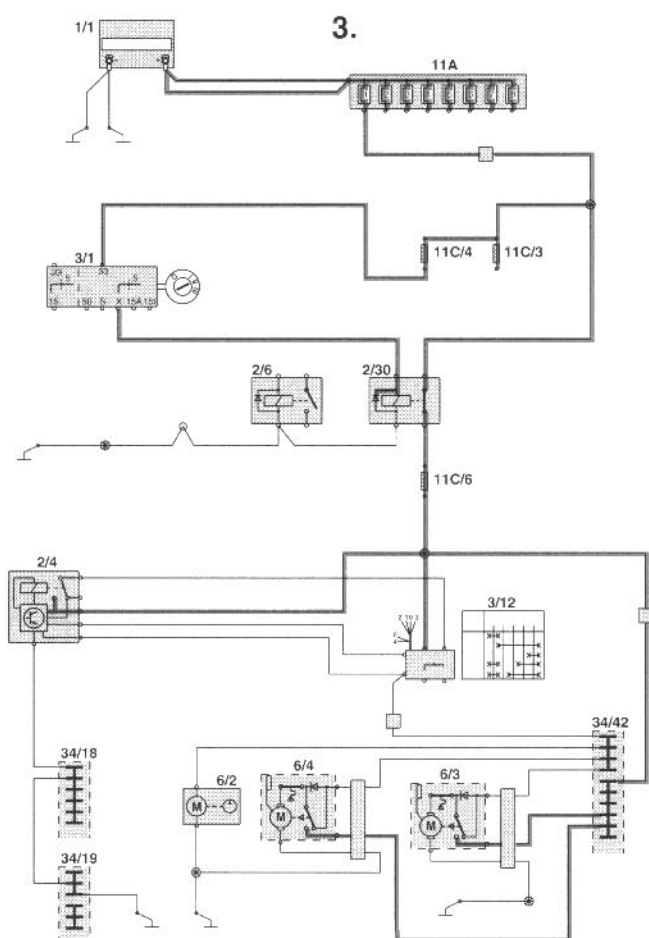
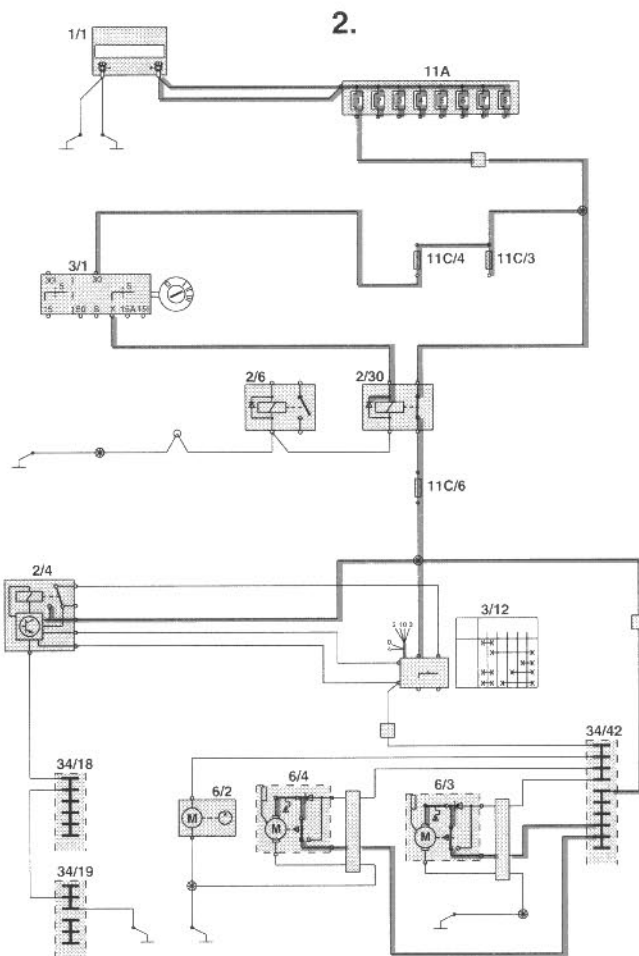
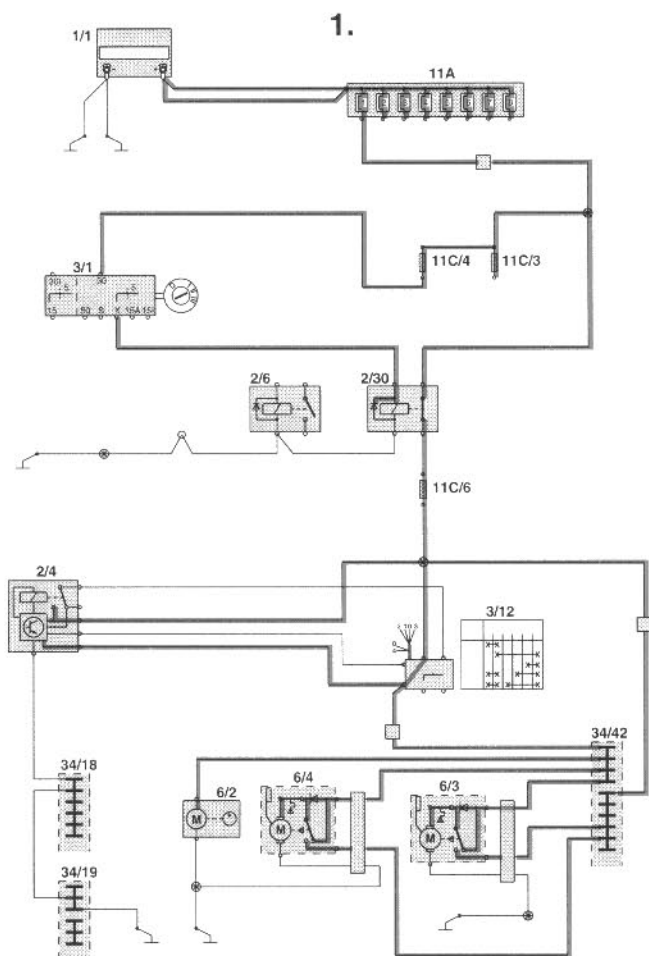
The tailgate wiper runs at intermittent.



Tailgate wiper runs at parking speed.



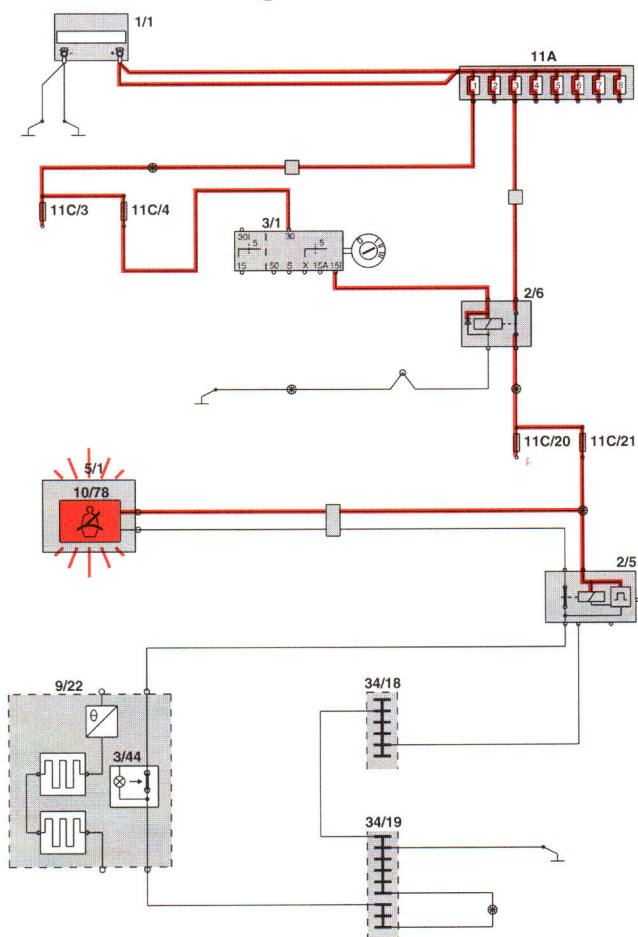
Headlamp wiper/-washer Function diagram



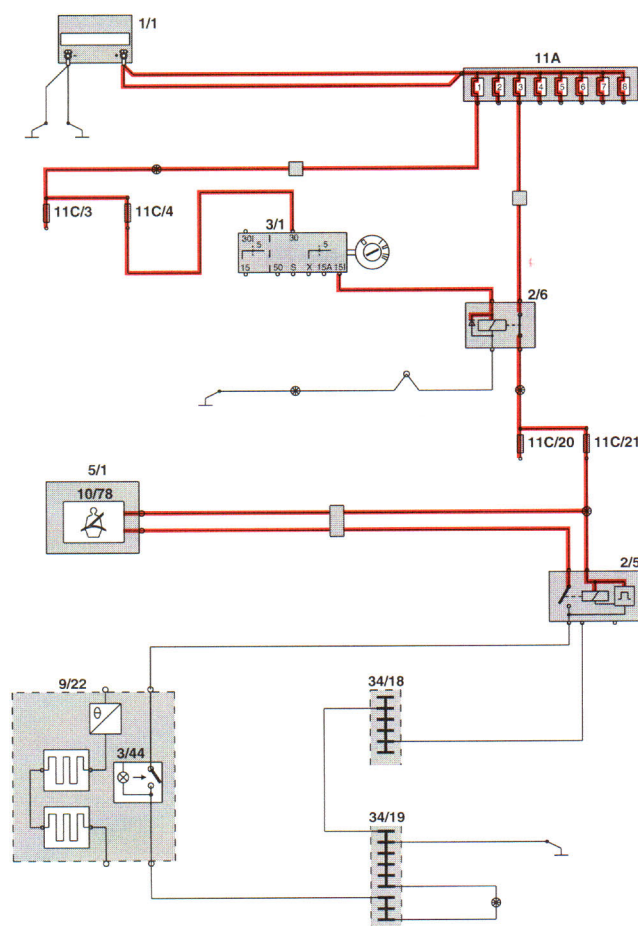
Ignition on.

1. Headlamp wiper and washer on.
The wipers make 2-3 passes when the lever is released.
2. Headlamp wipers running at parking speed.
3. Headlamp wiper in parking mode.

Seat belt reminder Function diagram

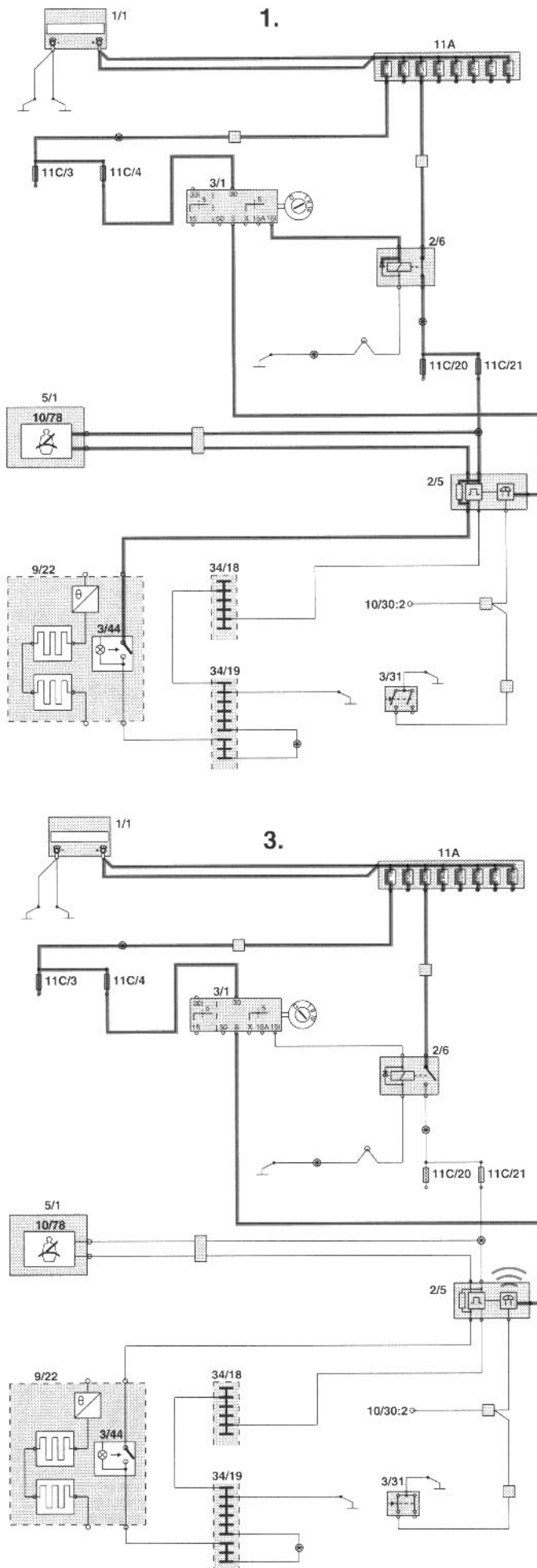


Ignition on.
Seat belt not connected.



Ignition on.
Seat belt connected.

Seat belt reminder and key reminder, USA, Canada and Korea Function diagram



1. Ignition on.
Seat belt connected.

2. Ignition on.
Seat belt not connected.

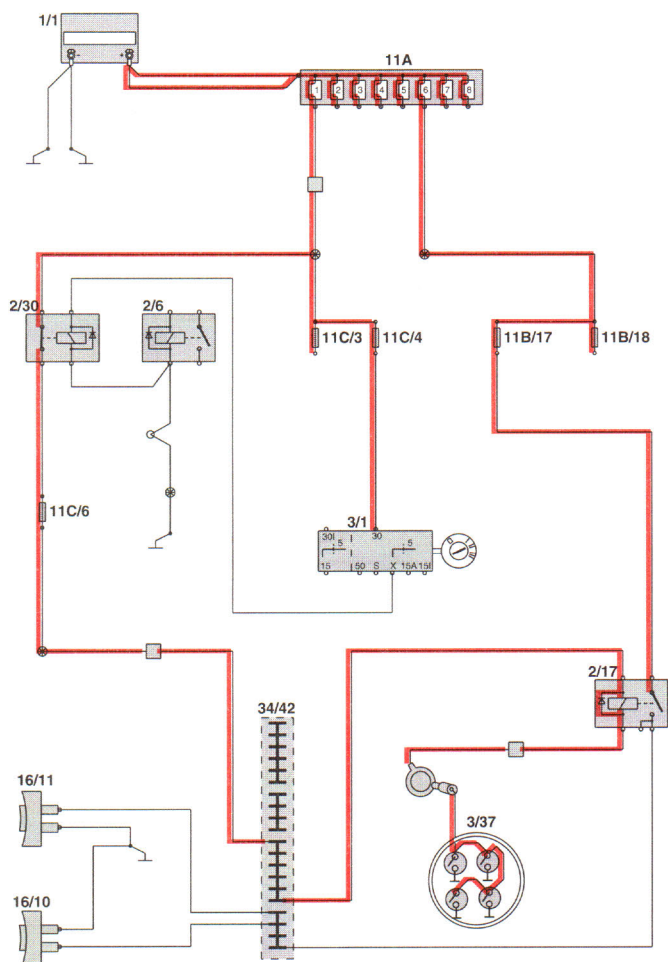
The seat belt warning lamp lights
and the bell sounds for a few seconds.

3. Key in ignition switch and driver's
door open.

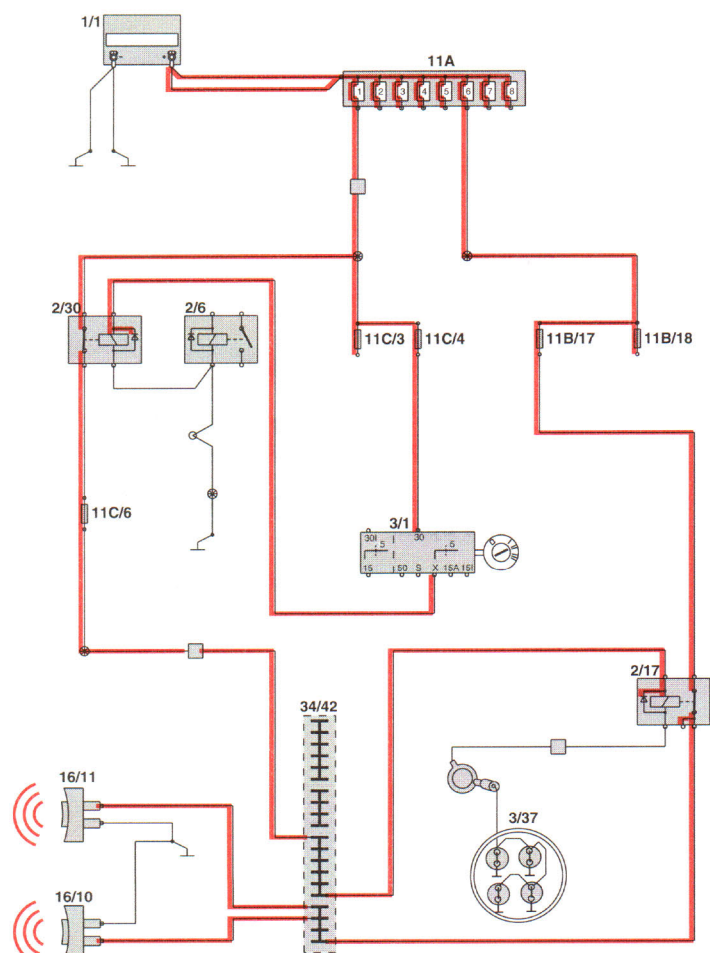
The key reminder sounds for a few
seconds.

Horn

Function diagram

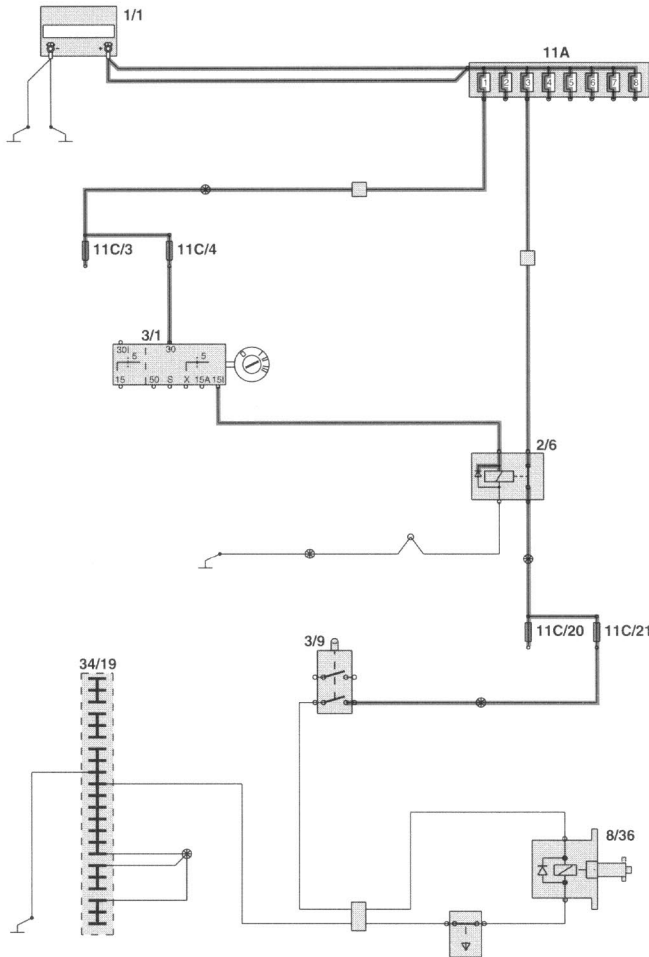


Ignition on.
Horn not activated

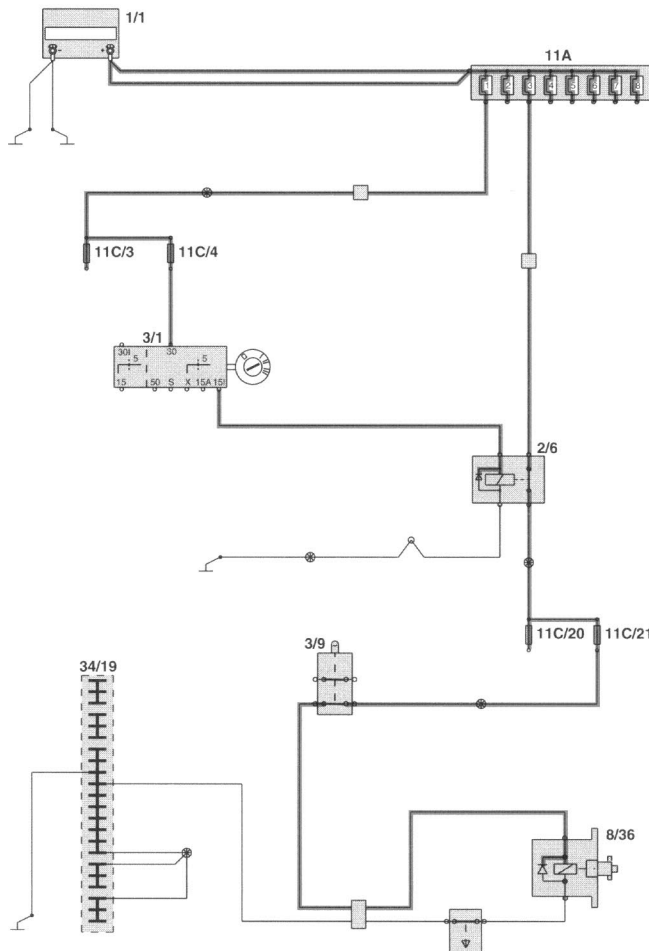


Ignition on and horn contacts
closed.
Signal sounds.

Shift-lock, automatic transmission Function diagram

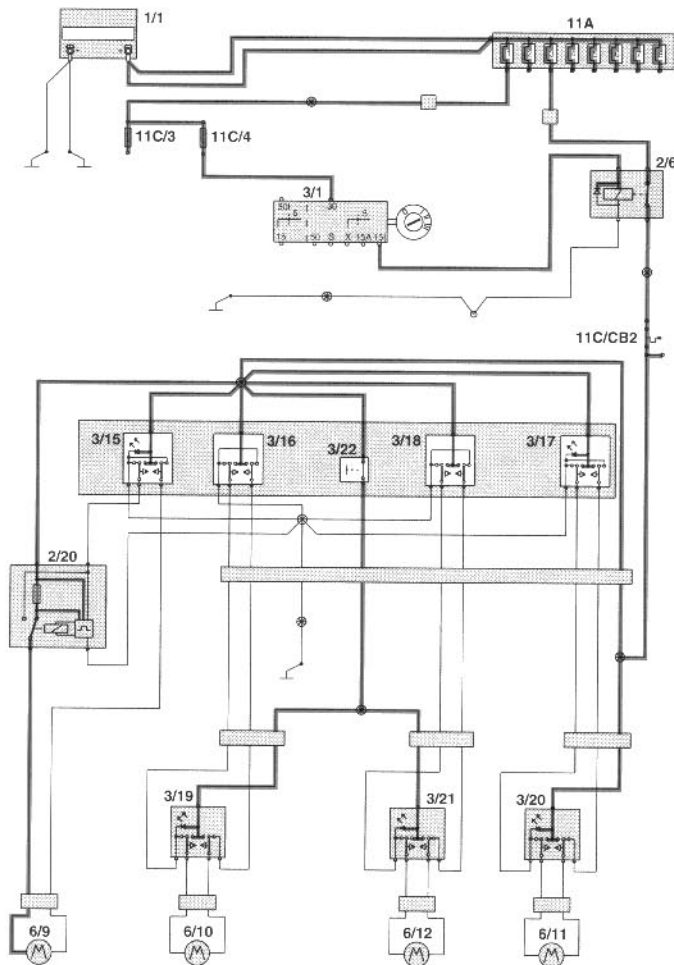


Ignition on.
Gear selector shift locked.



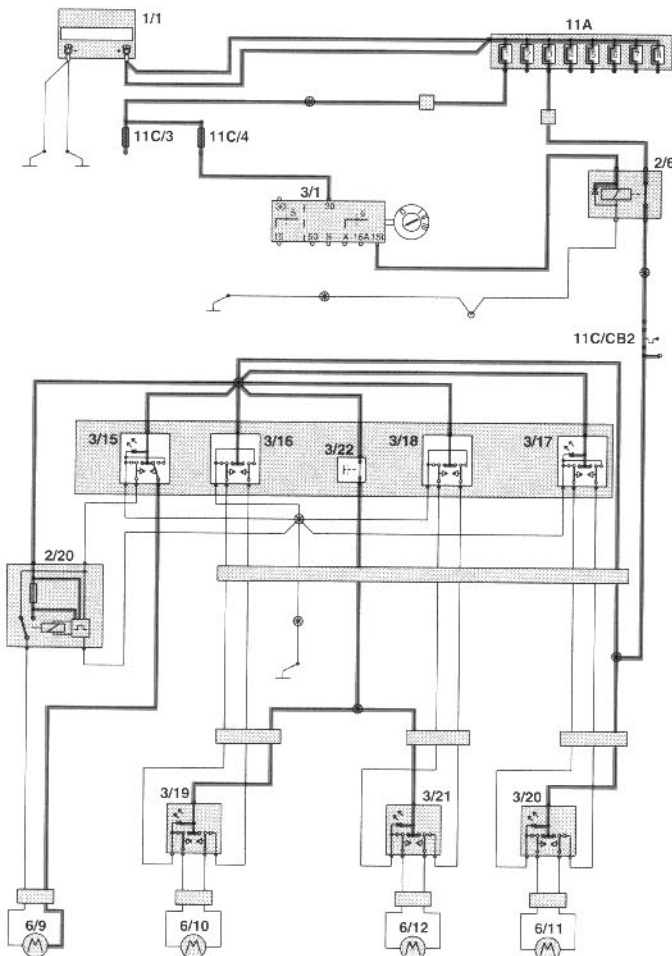
Ignition on.
Brake light switch closed and the
shift-lock solenoid activated.
Gear selector can now be moved
from P.

Power windows Function diagram



Ignition on.

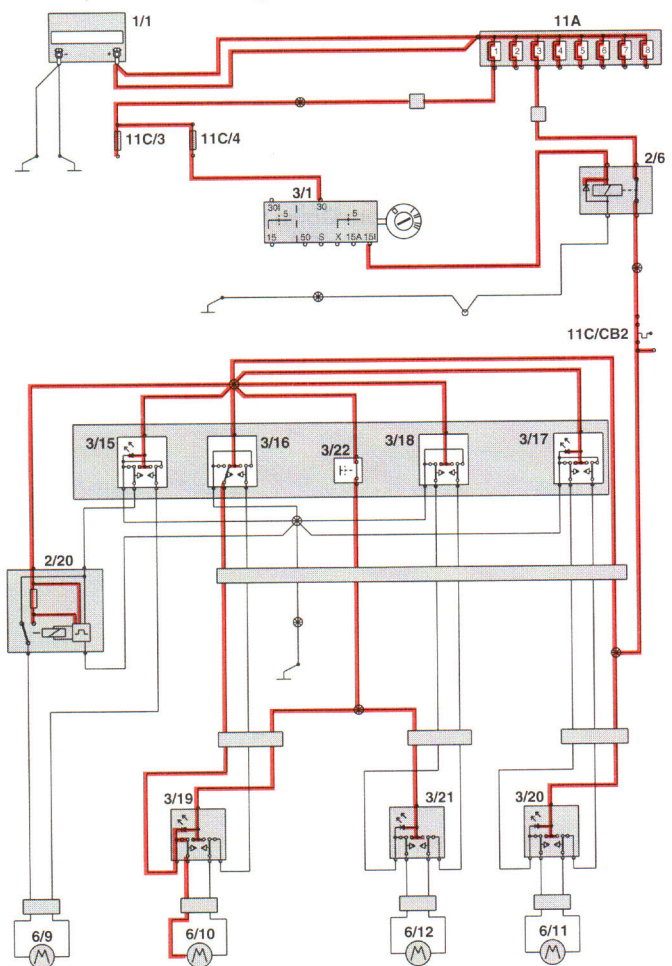
When the driver's door power windows switch is released from Down the power to the power window motor 6/9, is maintained by the Auto-down relay, 2/20, until the window reaches its bottom limit position.



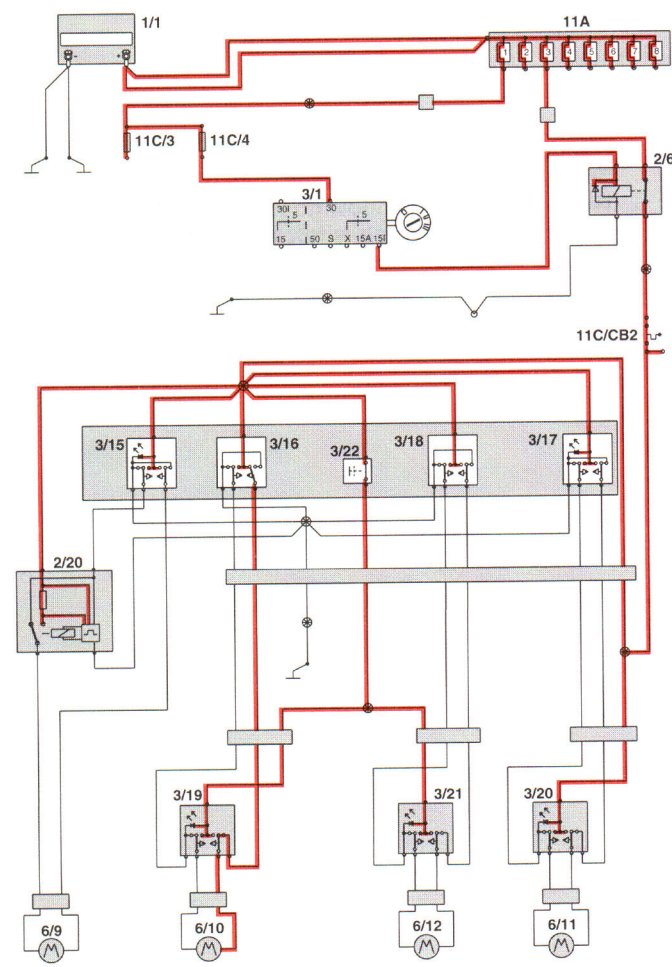
Ignition on.

Driver's door power windows switch Up.
The driver's door window goes down until the power windows switch is released or until the window reaches its upper limit position.

Power windows
Function diagram

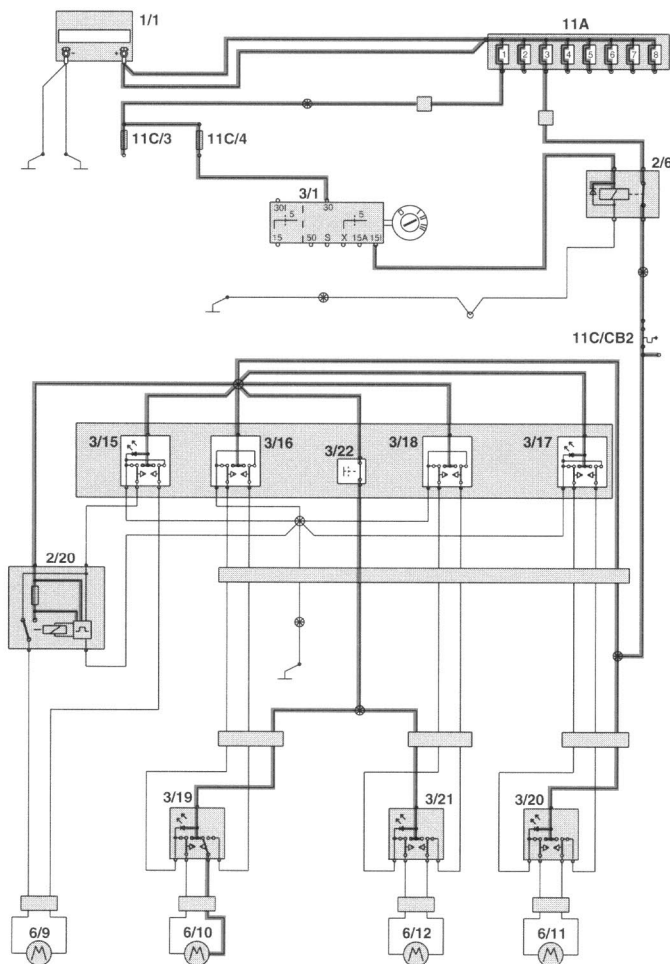


Ignition on.
Opening left rear door window with
driver's door power windows
switch.

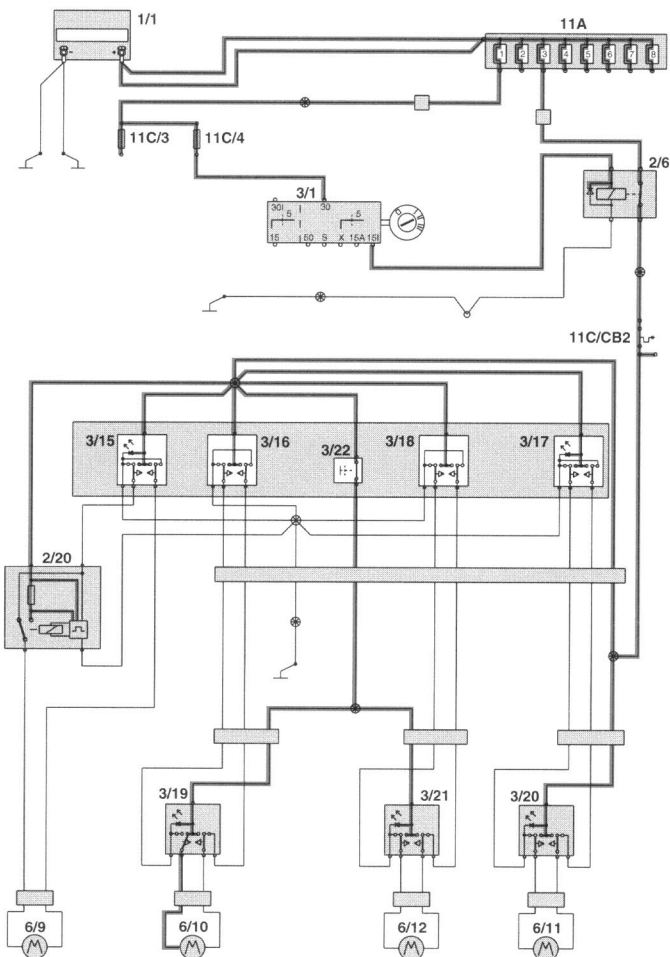


Ignition on.
Closing left rear door window with
driver's door power windows
switch.

Power windows Function diagram



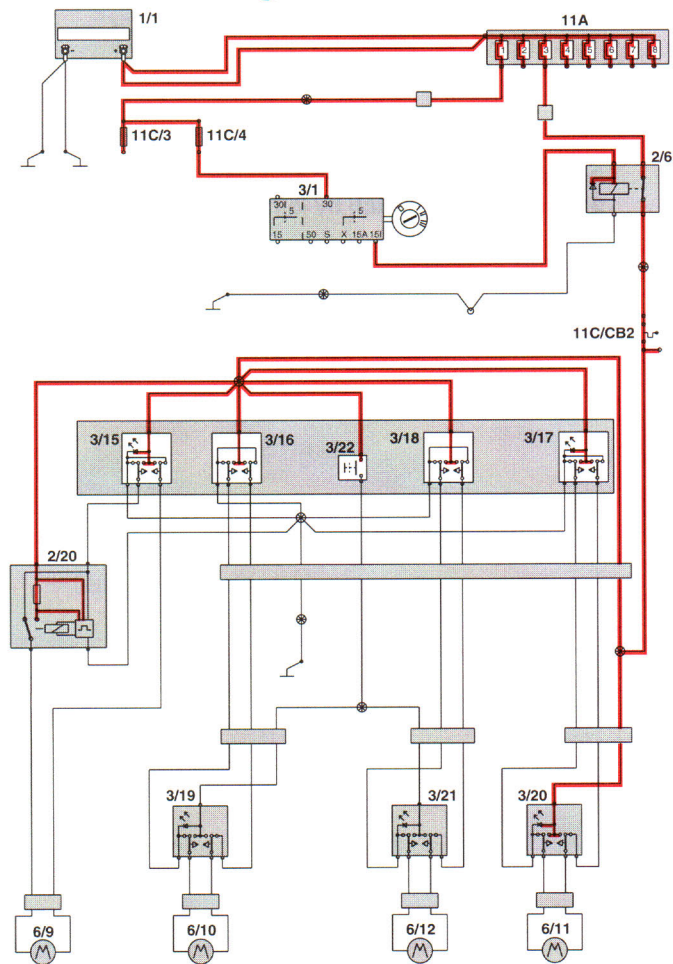
Ignition on.
Opening left rear door window with
power windows switch by left rear door.



Ignition on.
Closing left rear door window with
power windows switch by left rear door

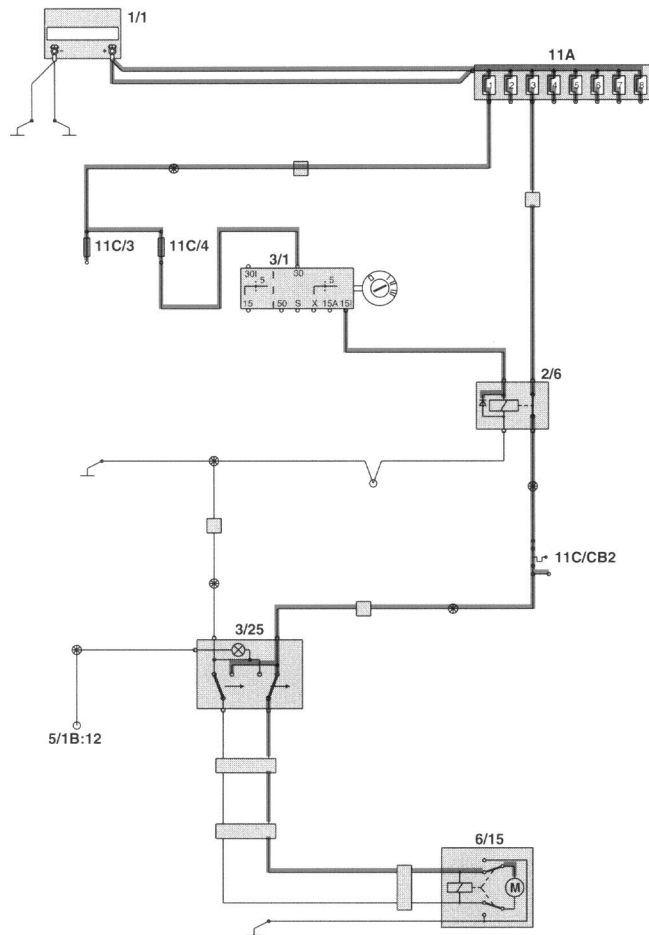
Power windows

Function diagram

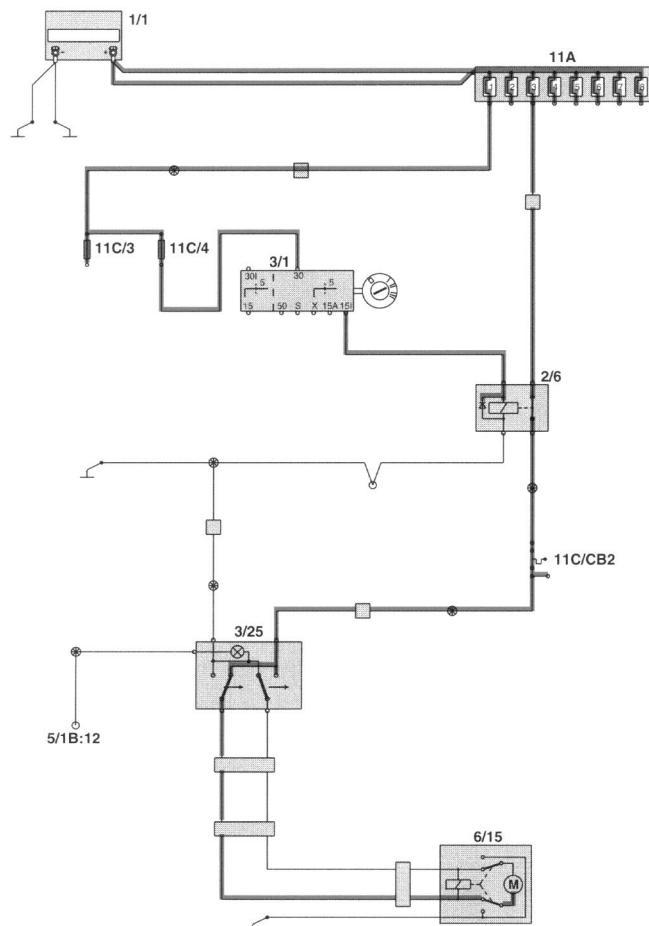


Ignition on.
Blocking rear door power windows
with switch 3/22 by driver's door.

Power sunroof Function diagram



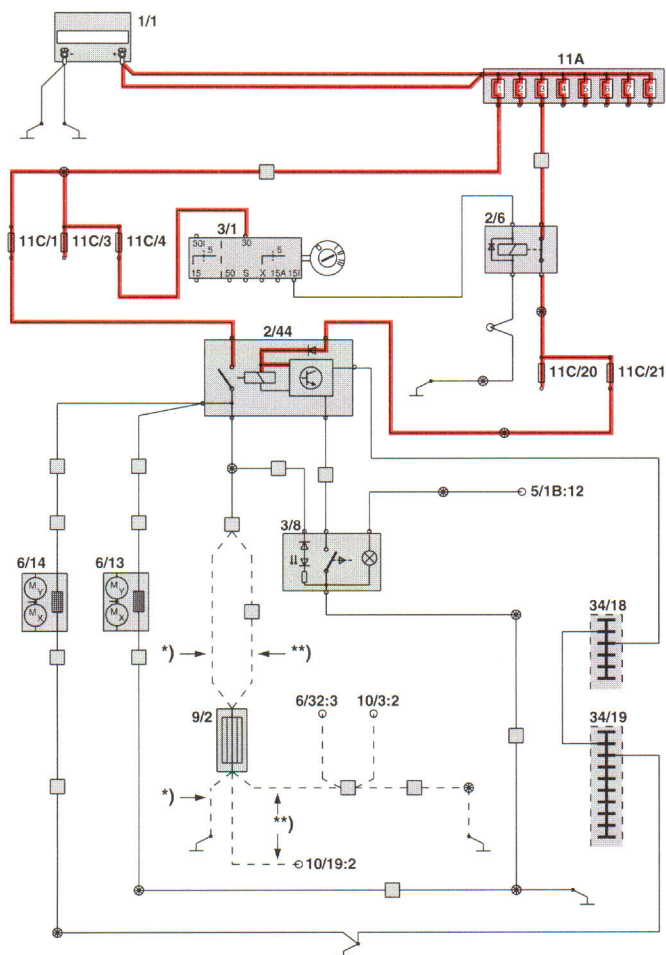
Ignition on.
Opening sunroof.



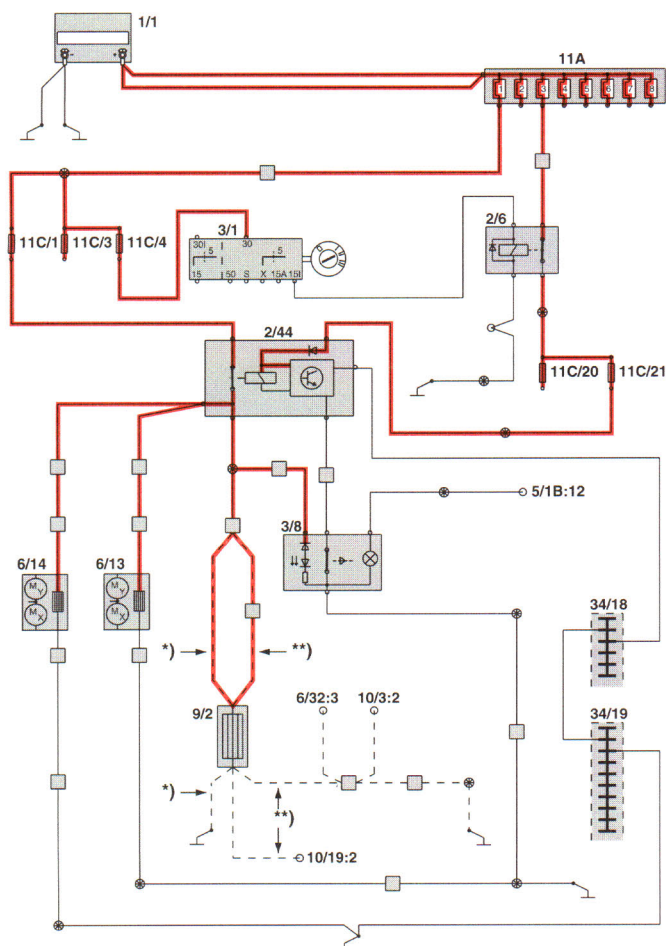
Ignition on.
Closing sunroof.

Heated rear windshield and door mirrors with delay relay

Function diagram



Ignition on.
Delay relay, 2/44, for heated rear
windshield and door mirrors not
activated.



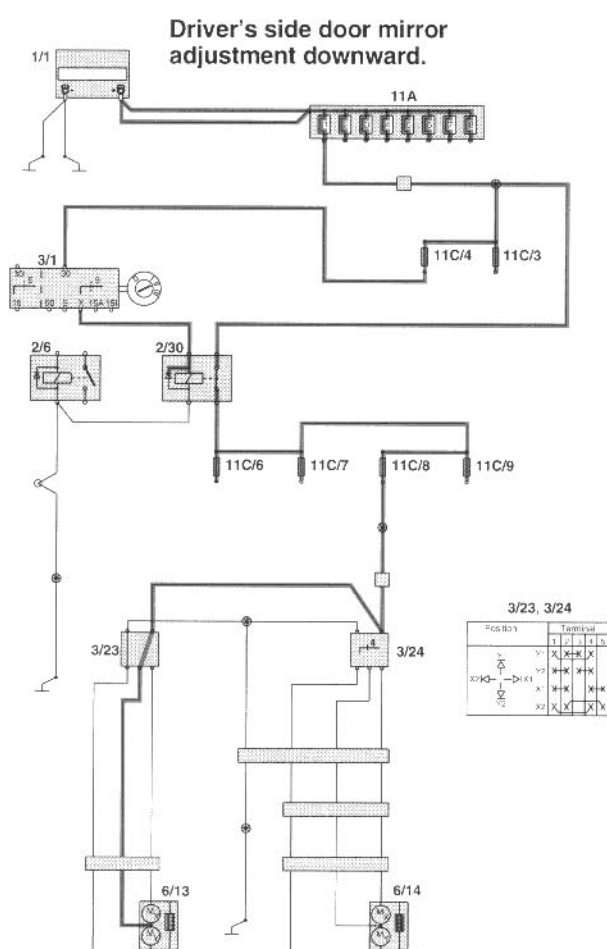
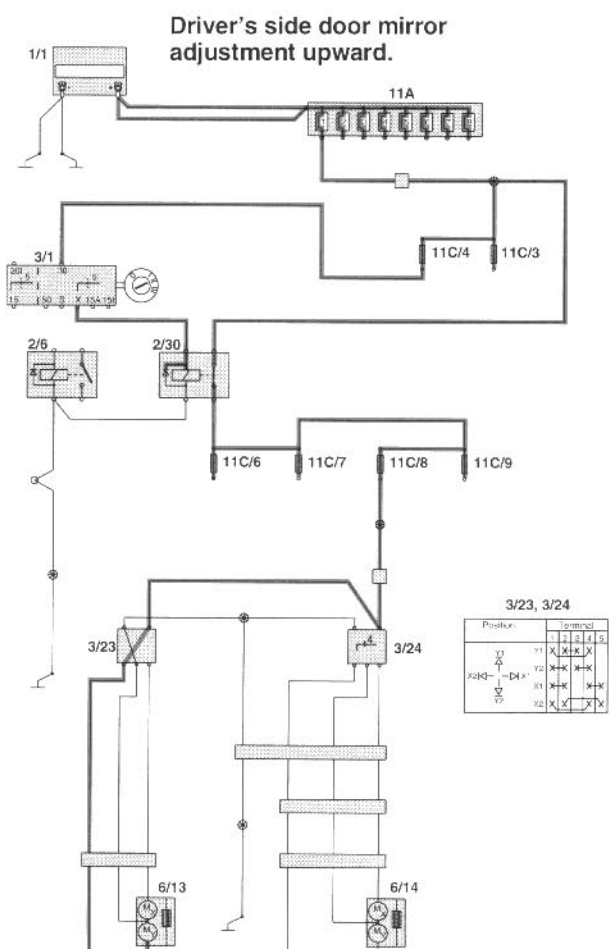
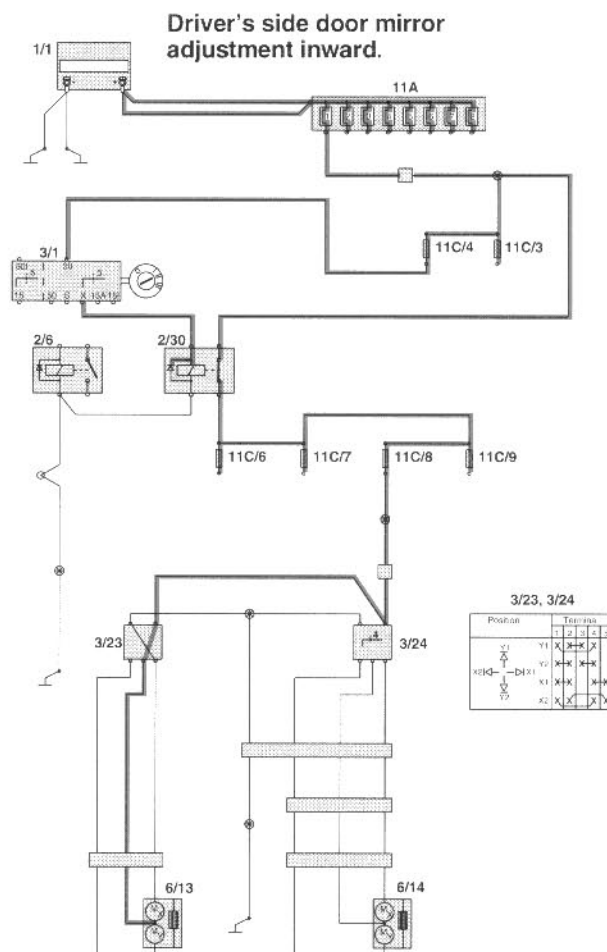
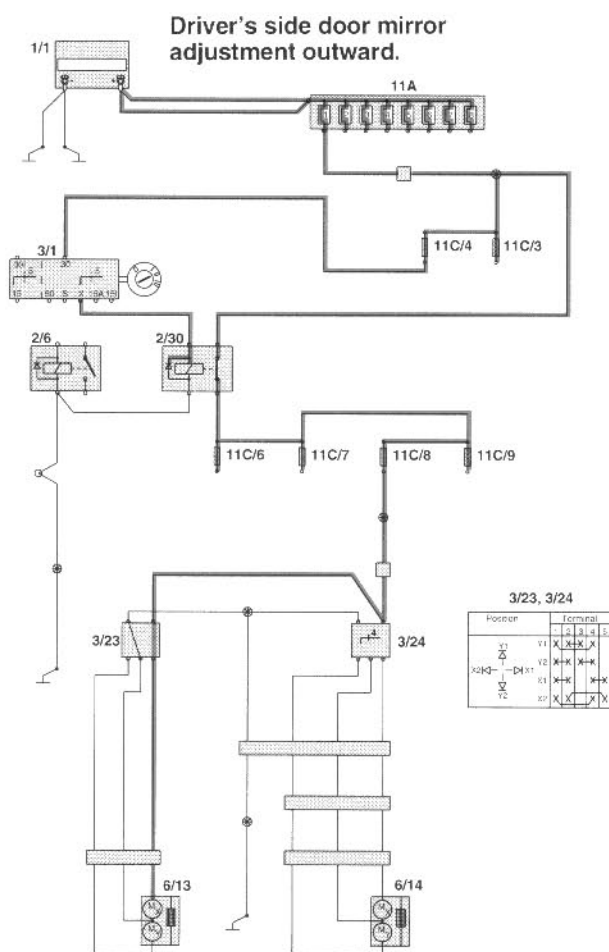
Ignition on.
Delay relay, 2/44, for heated rear
windshield and door mirrors acti-
vated with switch 3/8.

Delay relay is activated for a few
minutes after the switch is re-
leased

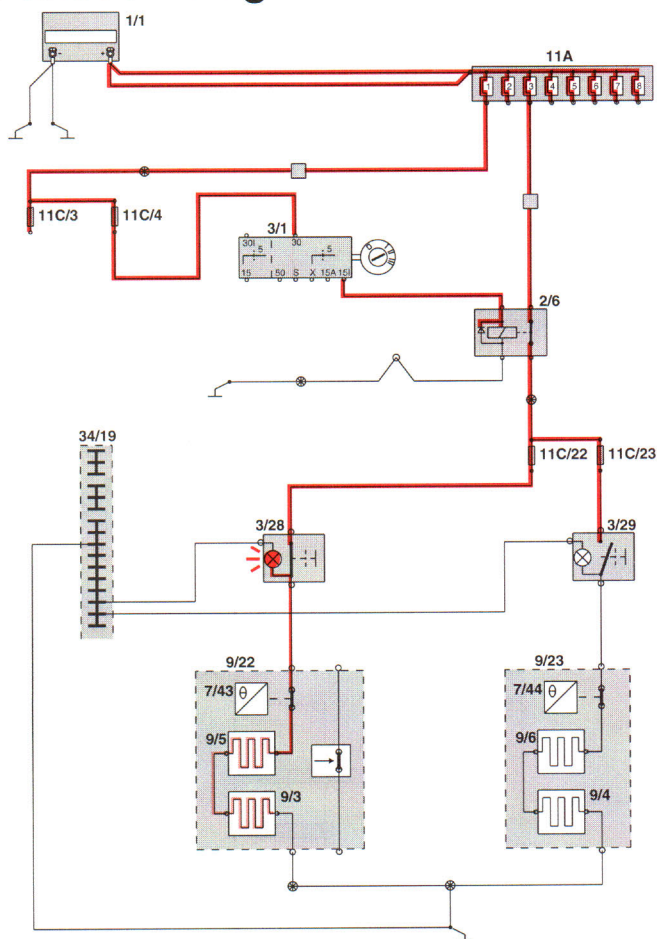
*) 4-door
**) 5-door

Power door mirrors

Function diagram

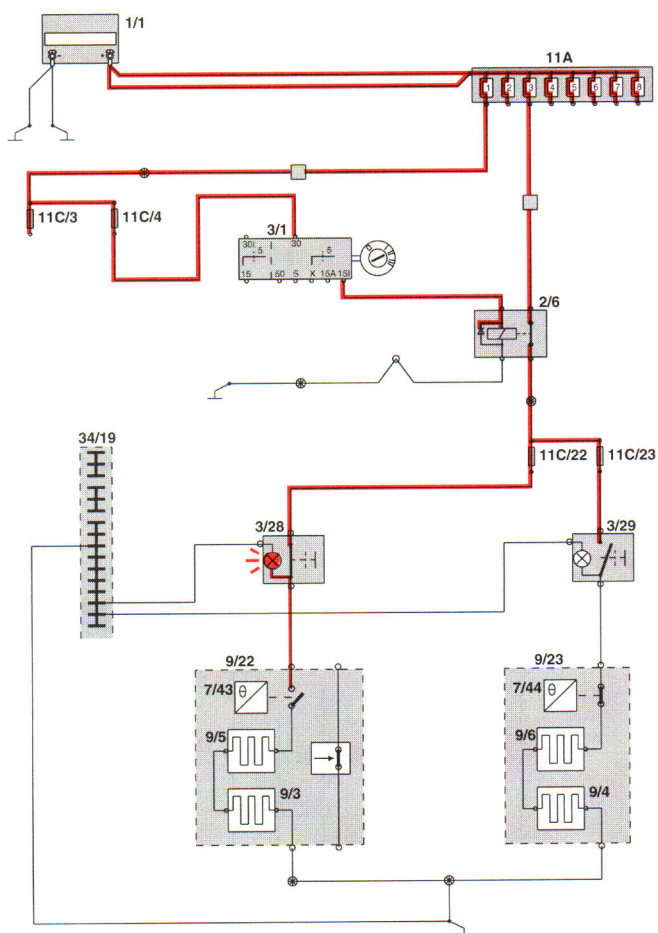


Heated driver/passenger seat Function diagram



Ignition on.
Drivers seat switch on.

Thermostat on and driver's seat
heating element connected.
(Thermostat switches on at approx.
+14 °C and off at approx. +26 °C.



Ignition on.
Temperature above +26 °C.

Heating element switched off by
thermostat.

Ignition on.
Exhaust temperature under 850 °C.



Comments

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If you have any suggestions or comments about this manual make a copy of this page, write down your comments and send to us.

Component list

1/1	Battery	4/3	Control module, Cruise control
2/1	Headlight relay with bulb failure sensor	4/4	Rheostat
2/2	Fog light relay	4/5	Safety circuit, SRS
2/4	Intermittent wiper relay, windshield wipers	4/6	Control module ECC
2/5	Relay, seat belt reminder/ignition key warning	4/9	Sensor unit SRS
2/6	Overload relay 15l	4/16	Control module ABS
2/7	Central lock relay / Inside lighting, delayed action	4/19	Control module, remote control central locking and car alarm
2/10	MCC Passenger compartment blower fan resistor	4/22	Control module electronic start inhibitor (Immobilizer)
2/11	Relay, engine cooling fan	4/28	Control module AW30-40/43
2/15	Relay exhaust temperature sensor	4/31	Control module, cabin fan
2/16	Intermittent wiper relay, tailgate wiper	4/38	Power stage Motronic 1 (MFI) system
2/17	Horn relay	4/39	Power stage Motronic 2 (MFI) system
2/20	Relay auto down power windows	4/40	Control module, Manual Climate Control MCC
2/22	Automatic climate control A/C relay	4/46	Engine control module (ECM)
2/23	Relay, fuel pump	4/52	Control module, power seat with memory, driver's side
2/28	Anti-theft relay		
2/30	Overload relay, +X	5/1	Combined instrument panel
2/32	Main relay, Fuel injection system	5/3	Ambient temperature sensor
2/35	Start motor 50 relay		
2/44	Relay rear window/door mirror heating	6/1	Windshield wiper motor
2/46	Relay ignition coil	6/2	Washer motor, front
2/53	Air pump relay	6/3	Right headlight wiper motor
2/61	Parking lights relay	6/4	Left headlight wiper motor
2/105	Central locking, 2-stage, drivers door relay (USA/Canada)	6/5	Central locking motor passenger's side front
		6/6	Central locking motor passenger's side rear
3/1	Ignition lock	6/7	Central locking motor driver's side rear
3/2	High and low beam switch	6/8	Central locking motor tailgate
3/3	Switch, turn signal/high-low beam	6/9	Power window lift motor driver's door
3/4	Cruise control operation	6/10	Power window lift motor driver's side rear
3/6	Switch, hazard warning with flasher relay	6/11	Power window lift motor passenger's side front
3/7	Fog light switch	6/12	Power window lift motor passenger's side rear
3/8	Switch with timer relay, heated rear window/door mirrors	6/13	Power door mirror, driver's side
3/9	Brake light switch	6/14	Power door mirror, passenger's side
3/10	Backup (reversing) light switch	6/15	Motor, power sunroof
3/12	Windshield wash/wipe switch	6/16	Motor driver's seat backrest
3/13	Rear window wash/wipe switch	6/17	Motor up-down, front edge of driver's seat
3/15	Power window lift switch driver's door for driver's door	6/18	Motor up-down, rear edge of driver's seat
3/16	Power window lift switch driver's door for driver's side, rear	6/19	Motor fore-aft driver's seat
3/17	Power window lift switch driver's door for passenger's side front	6/20	Motor passenger seat backrest
3/18	Power window lift switch driver's door for passenger's side rear	6/21	Motor up-down front edge passenger seat
3/19	Power window lift switch driver's side rear	6/22	Motor up-down rear edge passenger seat
3/20	Power window lift switch passenger's side front	6/23	Motor forward-backward passenger seat
3/21	Power window lift switch passenger's side rear	6/24	Cruise control vacuum pump
3/22	Switch for rear power window lifts	6/25	Starter motor
3/23	Switch for power door mirror, driver's side	6/26	Generator
3/24	Switch for power door mirror, passenger's side	6/27	Servo motor throttle control
3/25	Switch, power sunroof	6/28	Cabin fan motor
3/26	Control module, driver's seat	6/29	Engine cooling fan
3/27	Control module, passenger's seat	6/30	Wiper motor, tailgate
3/28	Switch for heated driver's seat	6/32	Tailgate wiper motor
3/29	Switch for heated passenger's seat	6/33-1	Fuel level sensor
3/31	Door switch driver's door	6/33-2	Fuel primer pump
3/32	Door switch passenger's side front	6/34	Power antenna
3/33	Door switch driver's side rear	6/35	Parking heater
3/34	Door switch passenger's side rear	6/38	Actuator, left beam width control
3/35	Door switch tailgate (5-door)	6/39	Actuator, right beam width control
3/36	Switch, glove compartment light	6/54	Air pump motor
3/37	Horn contacts		
3/38	Switch, brake pedal	7/1	Bulb failure sensor, rear
3/39	Switch, clutch pedal	7/4	Brake fluid level sensor
3/40	Park/neutral position switch, automatic transmission	7/5	Washer fluid level sensor
3/42	Kickdown switch	7/6	Oil pressure sensor
3/44	Seat belt lock, driver's seat	7/8	A/C Linear pressure sensor
3/47	Parking brake switch	7/9	Engine coolant temperature (ECT) sensor, ECC
3/52	Power antenna switch	7/10	Cabin temperature sensor
3/58	Fog lamp, rear, switch (not USA/Canada)	7/11	Ambient temperature sensor
3/59	Beam width control	7/12	Solar sensor ECC alarm diode
3/62	Alarm switch, hood	7/15	Front oxygen sensor (HO2S)
		7/16	Engine coolant temperature (ECT) sensor, fuel/ignition system
3/63	Mode selector AW30-40/43	7/17	Mass air flow (MAF) sensor
3/70	Switch, clock/rheostat	7/21	Camshaft position (CMP) sensor
3/71	Gear position sensor	7/22	Engine speed (RPM) sensor
3/78	Lock unit, tailgate	7/23	Knock sensor (KS), rear
3/98	Switch, central locking USA/Canada	7/24	Knock sensor (KS), front
3/99	Fog lamps, front, switch (not USA/Canada)	7/25	Impulse sensor
3/100	Lock module driver's door	7/31	Sensor ABS left front
3/110	Passenger door locking module	7/32	Sensor ABS right front
		7/33	Sensor speedometer and ABS
		7/34	Thermoelement three-way catalytic converter (TWC)

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