

VOLVO

Service Manual

Fault tracing

Repairs

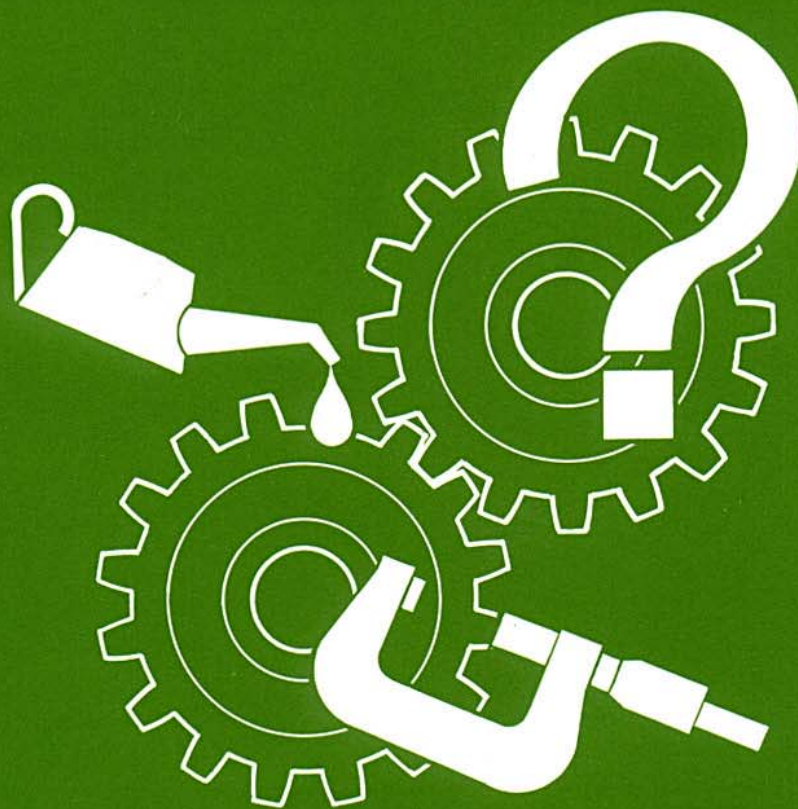
Maintenance

Section 3 (39)

Wiring Diagrams

940 1995

TP 3908202



Volvo Car Corporation

Cars with SRS

Warning

Cars equipped with a Supplemental Restraint System (SRS) 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 service manual for complete system information.

Is the car equipped with SRS?

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.

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.

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.

Modifications to September 1994 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.

Volvo owners planning to export their car(s) to another country should investigate the applicable safety and exhaust emission requirements. In some cases it may be impossible to comply with these requirements.

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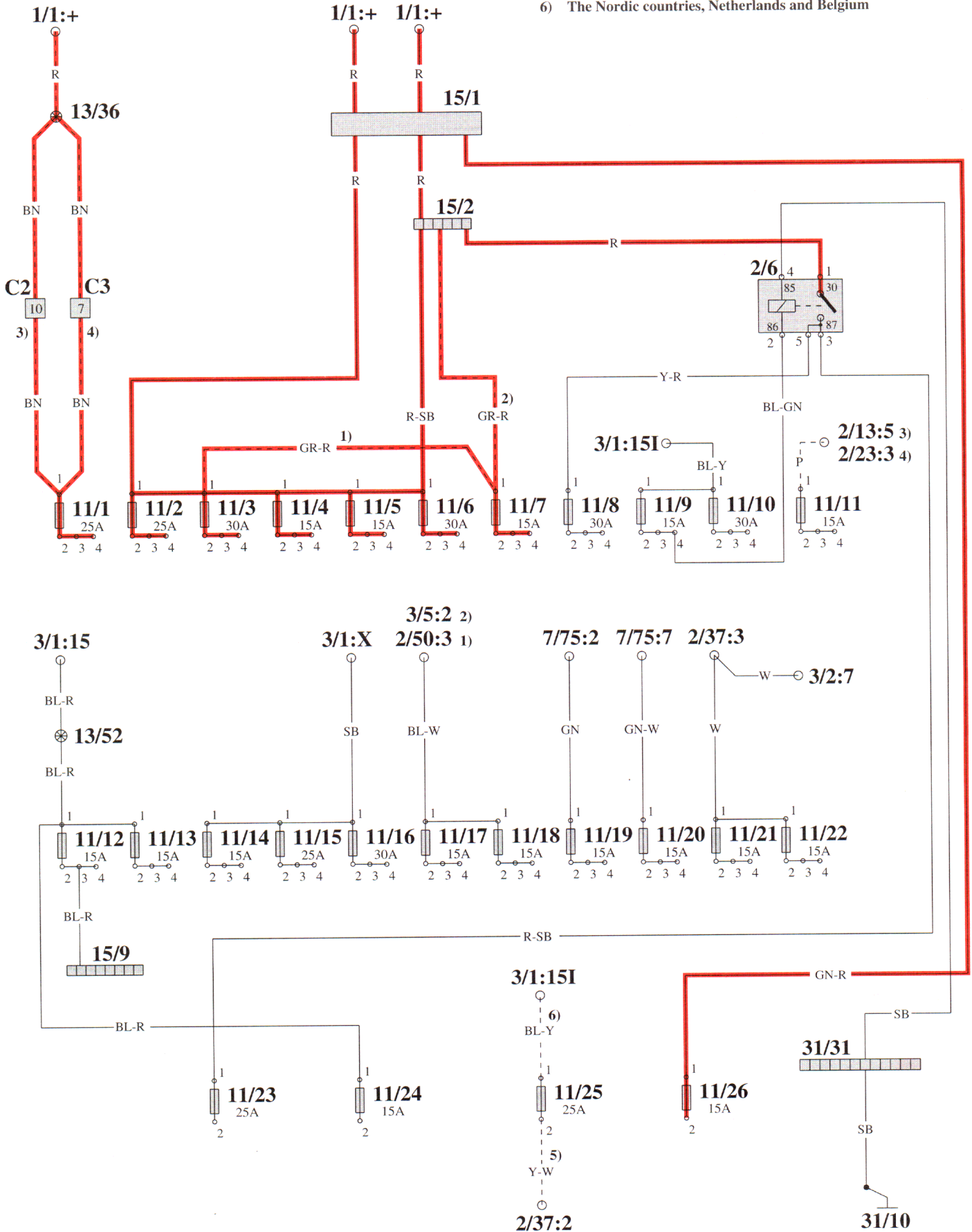
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Order no. TP 3908032 (UK) Supersedes TP 3908031	Order no. TP 3908202 (USA/CDN) Supersedes TP 3908201
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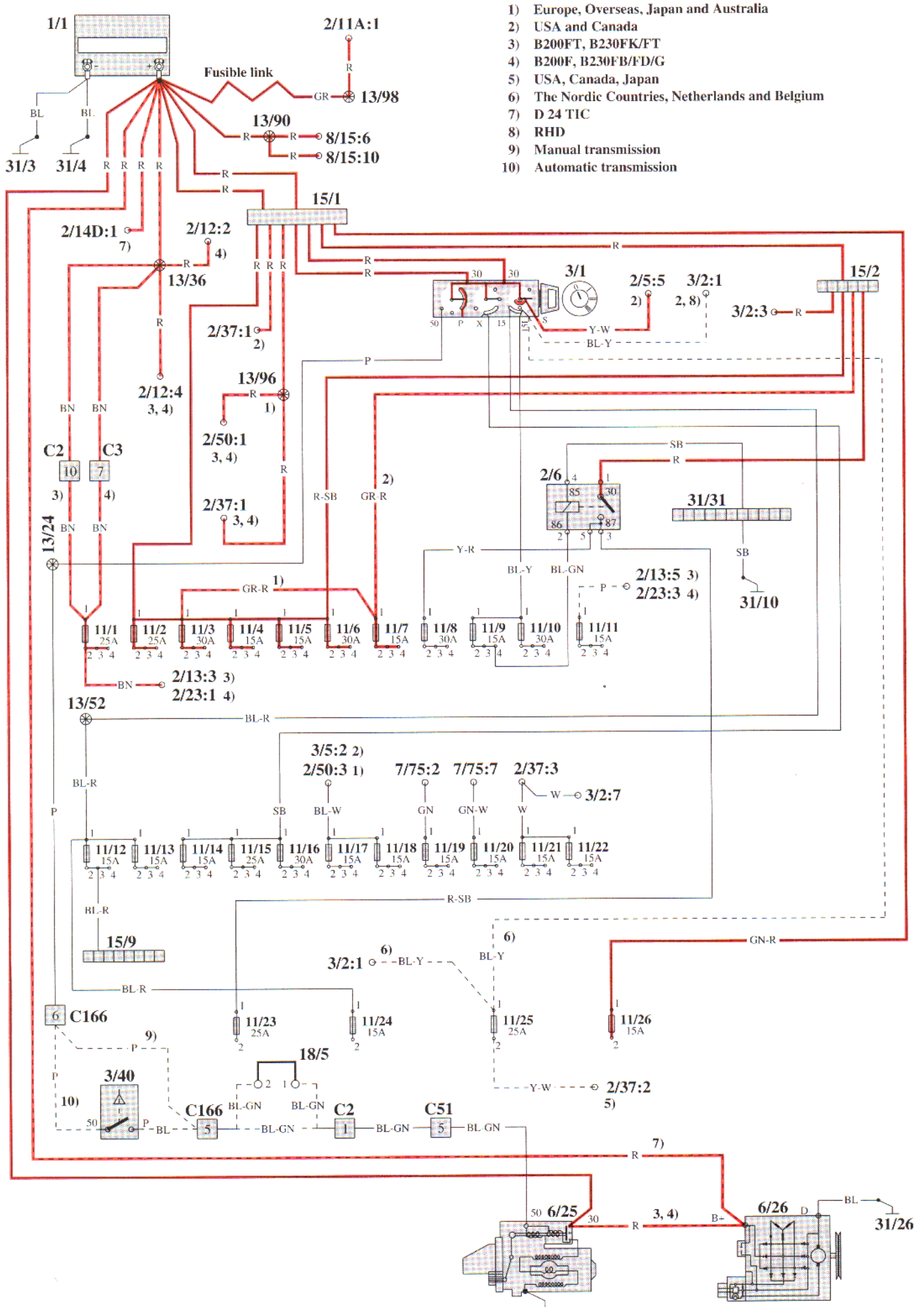
We reserve the right to make alterations to specification

Fuses

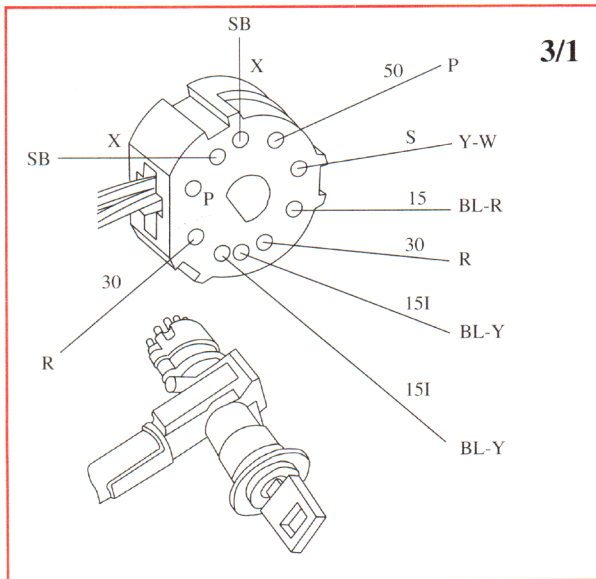
- 1) Europe, Overseas, Japan and Australia
- 2) USA and Canada
- 3) B200FT, B230FK/FT
- 4) B200F, B230FB/FD/G
- 5) USA, Canada, Japan
- 6) The Nordic countries, Netherlands and Belgium



Electrical distribution unit



Ignition switch



Ignition lock

Inputs

30: two leads from battery

Outputs

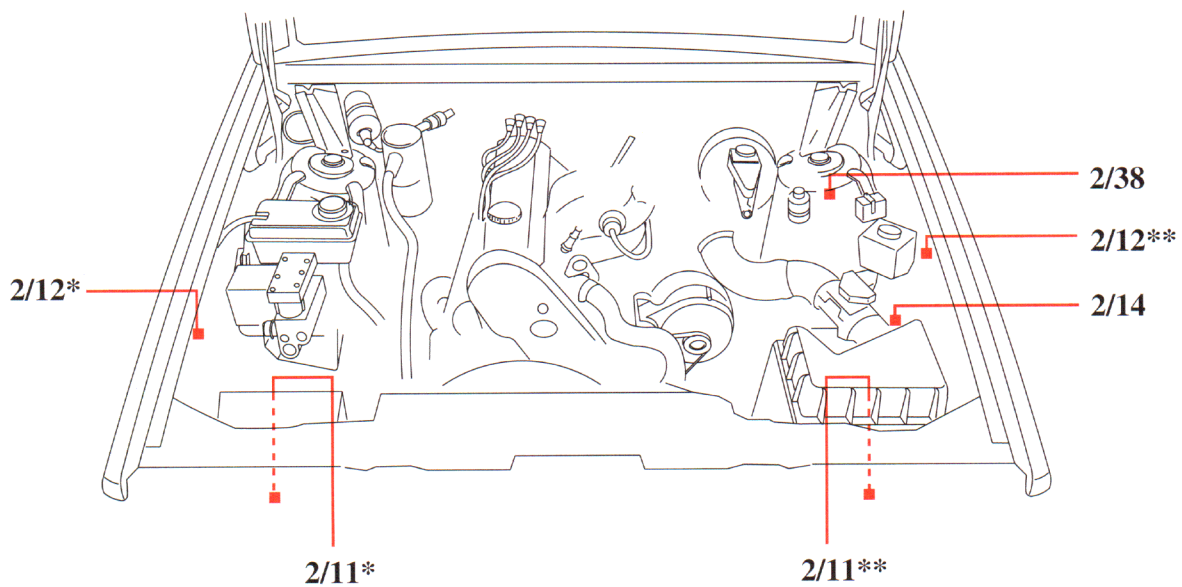
Key position:

-	Key withdrawn
0	Off
I	Radio
II	Drive
III	Start

Voltage at connection:

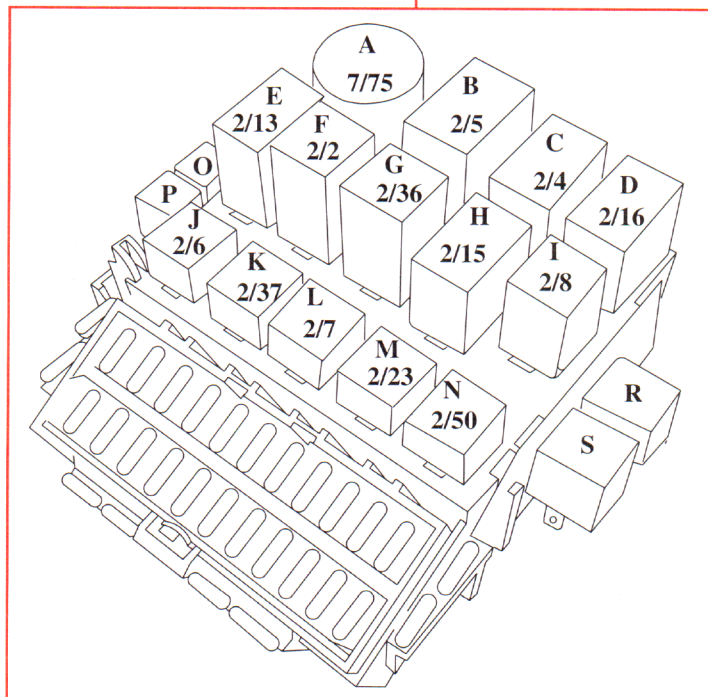
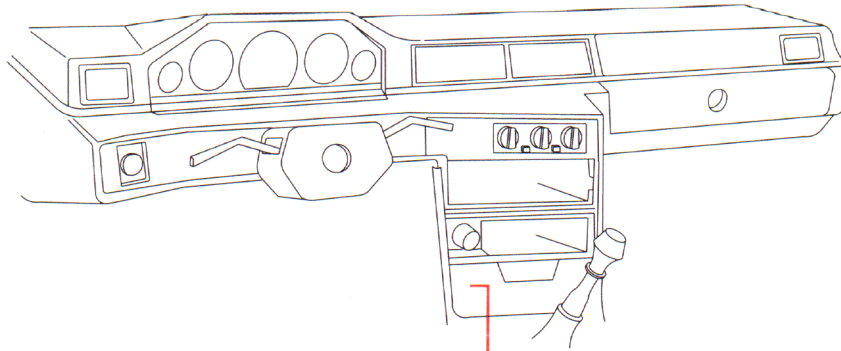
P
S,P
X,S,P
X,15,15I,S
15,50,S

Relay location in engine compartment



- 2/11* Relay, engine cooling fan (B 200 F, B 230 FB/FD/G)
- 2/11** Relay, engine cooling fan (B 200 FT, B 230 FK/FT)
- 2/12* Relay, interference suppression (B 200 F, B 230 FB/FD/G)
- 2/12** Relay, interference suppression (B 200 FT, B 230 FK/FT)
- 2/14 Relay, glow plug (D 24 TIC)
- 2/38 Timer relay, exhaust feedback EGR (D 24 TIC)

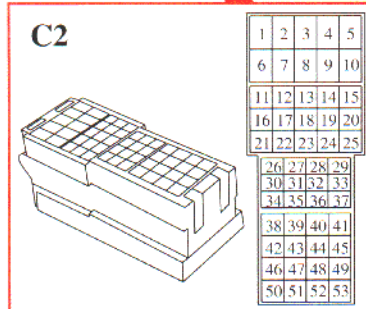
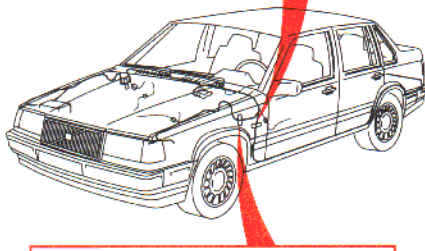
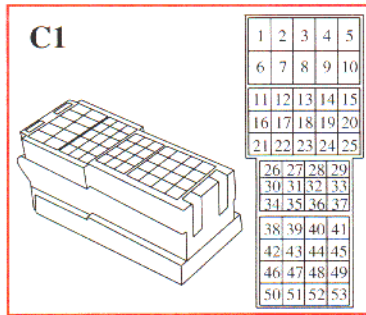
Relay location, electrical dist. unit



- | | | | |
|----------|--|----------|---|
| A | Bulb failure warning sensor (7/75) | J | Overload relay 15I (2/6)
(power windows/seat heater) |
| B | Seat belt reminder/key warning (2/5)
(USA, Canada, Korea) | K | Headlight (2/37) |
| C | Windshield wiper intermittent relay (2/4) | L | Central lock (2/7) |
| D | Tailgate wiper intermittent relay (2/16) | M | Fuel injection (2/23) |
| E | Fuel injection (2/13) | N | Overload relay high beam (2/50)
(not USA, Canada) |
| F | Foglights, front (2/2) | O | - |
| G | Headlight flasher (2/36) | P | - |
| H | Exhaust temp. sensor (2/15) (Japan) | R | - |
| I | Overdrive (2/8) | S | - |

Connector at left A-post (bottom rail harness)

White connector C1 (53-pin) Instrument panel harness - sill harness



all models		
1	Tail lights	BN-W
2	Tail lights	R
3	Brake light, left	Y-R
4	Brake light, right	Y
5	Backup (reversing) lights	SB
6	License plate lights	W
7	Turn signal, left rear	GN
8	Turn signal, right rear	BL-GN
9	Fuel level sensor/primer pump (pump)	GR-W
10	Heated rear window	Y
11	Sensor, speedometer -	BN-W
12	Sensor, speedometer +	GN-W
13	Door switch, pre-routed interior lighting	W-SB
14	Towing hook pos. 10	BL-GN
15	Rear foglights	GR
16	Fuel level sensor/primer pump (pump)	BN
17	Fuel level sensor/primer pump (pump)	P
18	Extra brake light	Y-SB
19	Tailgate wiper	OR
20	Tailgate wiper	Y-W
21	Power antenna pos. 3	GN-GR
22	-	
23	-	
24	Ground connector, left A-post	BN-GR
25	Towing hook pos. 9	W-SB
26	Towing hook pos. 7	W
27	Towing hook pos. 5	GR
28	Towing hook pos. 6	Y-BN
29	Door-open warning light, left rear Interior lighting Trunk light Power antenna pos. 1	GN-R
30	Interior lighting	BN-SB
31	Connector, tailgate/trunk (anti-theft alarm)	BN-OR
32	-	
33	Loudspeaker rear parcel shelf right side +	P-W
34	Loudspeaker rear parcel shelf right side -	P-SB
35	Loudspeaker left rear door + Loudspeaker rear parcel shelf left side +	BL-P
36	Loudspeaker left rear door - Loudspeaker rear parcel shelf left side -	BN-P
37	-	
38	Central locking, rear door Central locking, tailgate/trunk	R-W
39	-	
40	-	
41	Central locking rear door Central locking, tailgate/trunk	BL-R
42	-	
43	-	
44	-	
45	-	
46	-	
47	-	
48	-	
49	-	
50	Power window lift motor, rear door	GN
51	Power window lift motor, rear door	GR
52	-	
53	Power window lift motor, rear door ON/OFF	P

Branching points

General

For location of branching points in the car refer to section
Cable harnesses and branching points pages 34-41

13/2 (Dashboard harness)

On/Off	Color	Remarks
2/37:2 Main lighting relay	Y-W	Only USA/CDN
3/2:4 Light switch	Y-W	Only USA/CDN
16/1A:5 Radio	Y-W	Only USA/CDN

13/3 (Dashboard harness)

On/Off	Color	Remarks
2/2:3 Relay, front fog light	W-SB	Only EU/OS
3/7:6 Foglight switch (+)	W-SB	Only EU/OS
10/5:3 Left front fog light (via connector C2:3 Left wheelhousing harness-Dashboard harness)	W-SB	Only EU/OS
10/6:3 Right fog light assy. (via connector C3:13 Right wheelhousing harness-Dashboard harness)	W-SB	Only EU/OS

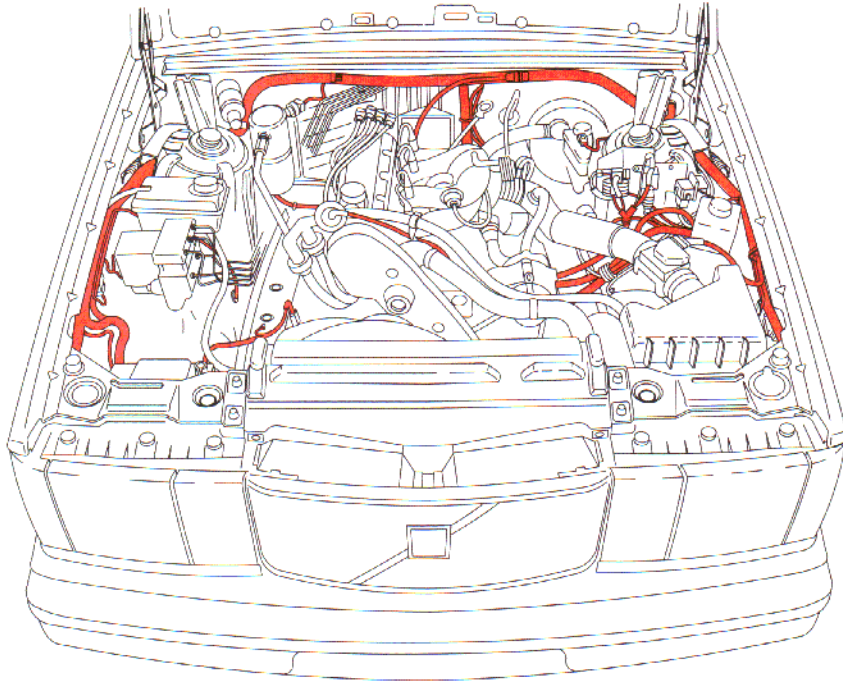
13/6 (Dashboard harness)

On/Off	Color	Remarks
3/5:4 Switch, Turn signal/High (main) and low beams	BL-GN	
5/1A:1 Combined instrument	BL-GN	
10/14:3 Right turn signal, front (via connector C3:3 Right wheelhousing harness-Dashboard harness)	BL-GN	
10/47:3 Lamp, right turn signal, rear (via connector C1:8 Rocker panel (door sill) harness - Dashboard harness)	BL-GN	Only 4-door
10/47:4 Right turn signal light, rear (via connector C1:8 Rocker panel (door sill) harness - Dashboard harness)	BL-GN	Only 5-door
10/16:1 Right side flasher light (via connector C3:32 Dashboard harness-Right wheelhousing harness)	BL-GN	Not USA/CDN
D2:2 Connector alarm	BL-GN	

13/9 (Left wheelhousing harness)

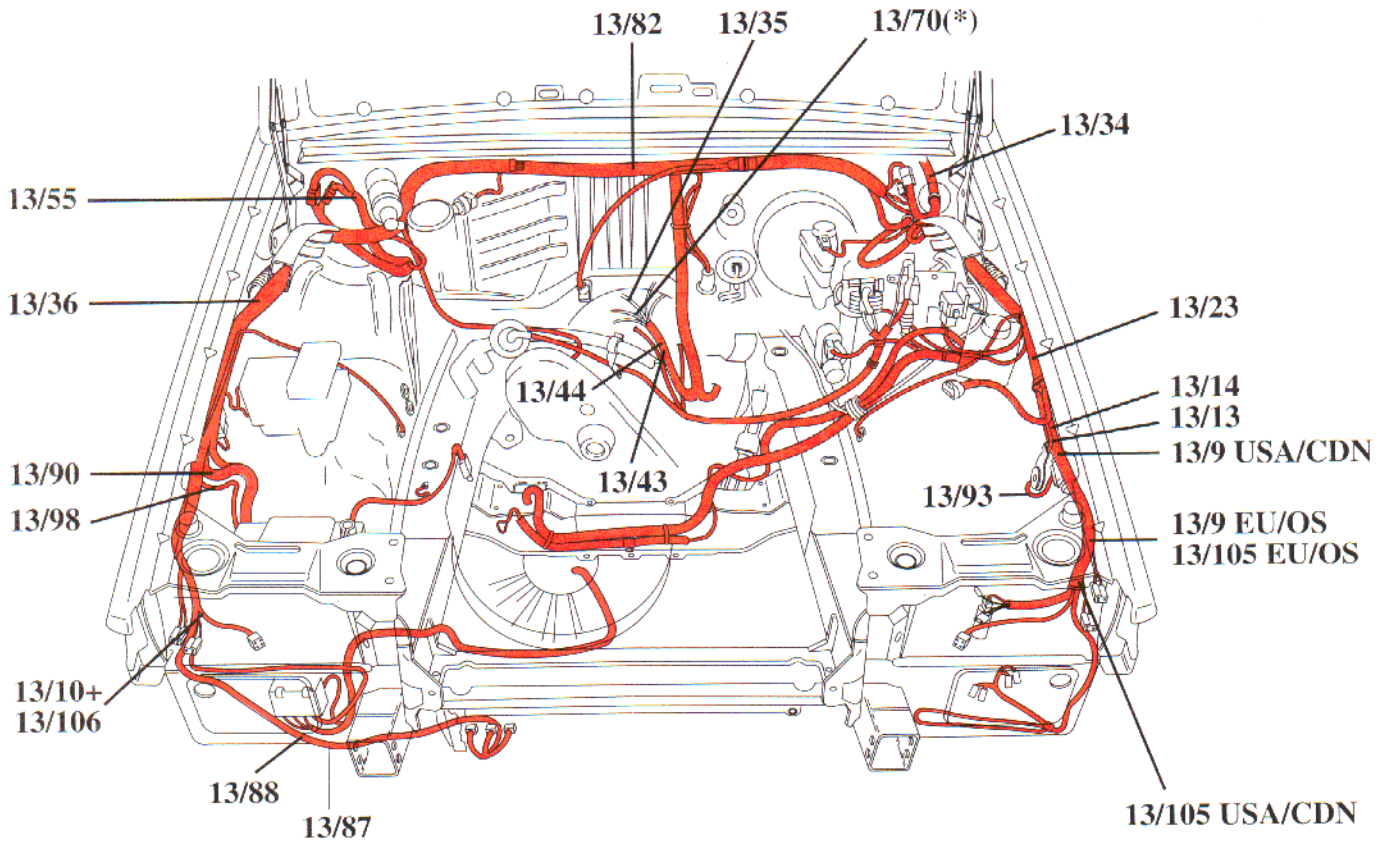
On/Off	Color	Remarks
31/2 Ground point left front fender (wing)	SB	
2/12:1 Relay radio interference suppressor	SB	Only B230FT/FK engine
2/14:B1 Glow plug relay	SB	Only D24TIC engine
6/2:2 Washer motor front	SB	Not B230FT/FK engine
6/4:3 Left headlight wiper motor	SB	Not USA/CDN
6/30:2 Tailgate washer motor	SB	Only 5-door
6/38:3 Actuator motor left	BN	Not USA/CDN
7/4:2 Brake fluid level sensor (-)	SB	Only B200F, B230FB/FD/G
7/5:2 Washer fluid level sensor	SB	
17/11:8 Data Link Connector DLC	SB	

Cable harnesses and branching points



B200F, B230FB/FD/G

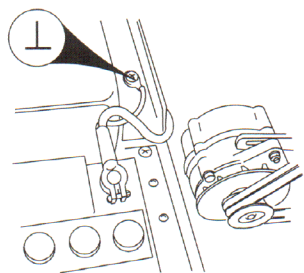
- Left wheelhousing harness
- Right wheelhousing harness
- Engine coolant (FC) fan
- Engine harness
- Anti-lock braking harness



(*) on brown ground cable

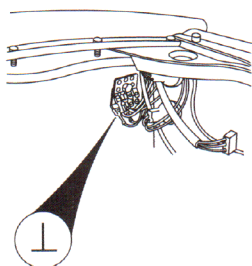
Ground connections

31/3

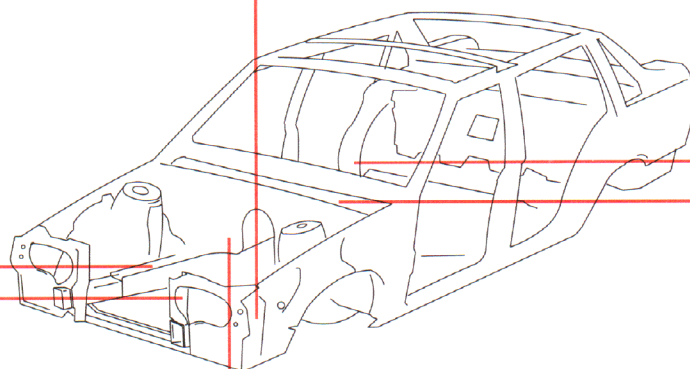


Ground connection
battery-body

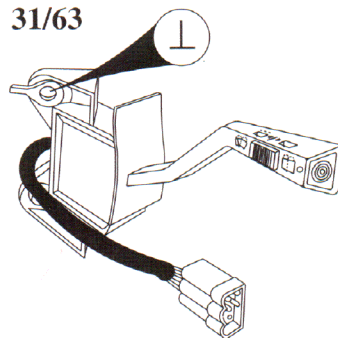
31/2



- Left front light
- Left turn signal, front
- Left parking light, front
- Left headlight wiper motor
- Relay radio interference suppressor (B 200 FT/B, B 230 FK/FT)
- Washer motors (B 200 F, B 230 FB/FD/G)
- Washer fluid level sensor (B 200 F, B 230 FB/FD/G)
- Left side indicator light
- Brake fluid level sensor
- Hydraulic unit ABS (B 200 FT, B 230 FK/FT)
- Left front fog light
- Glow plug relay
- Left beam length control
- Data Link Connector DLC
- Low speed pressure sensor engine cooling fan FC (B 200 FT, B 230 FK/FT)
- High speed pressure sensor engine cooling fan FC (B 200 FT, B 230 FK/FT)
- Car alarm system



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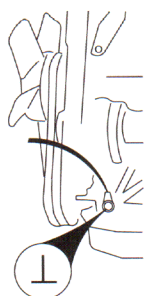
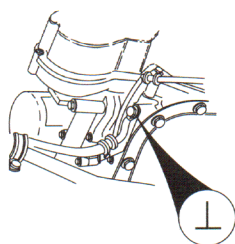


Tailgate wash/wipe switch

31/4

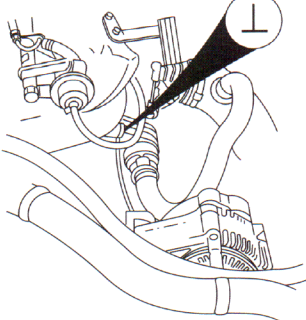
Gasoline (petrol) engine

Diesel engine



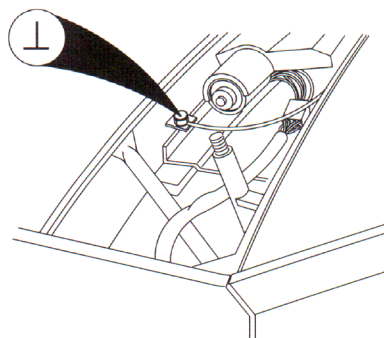
Ground connection
battery-engine

31/26



Generator

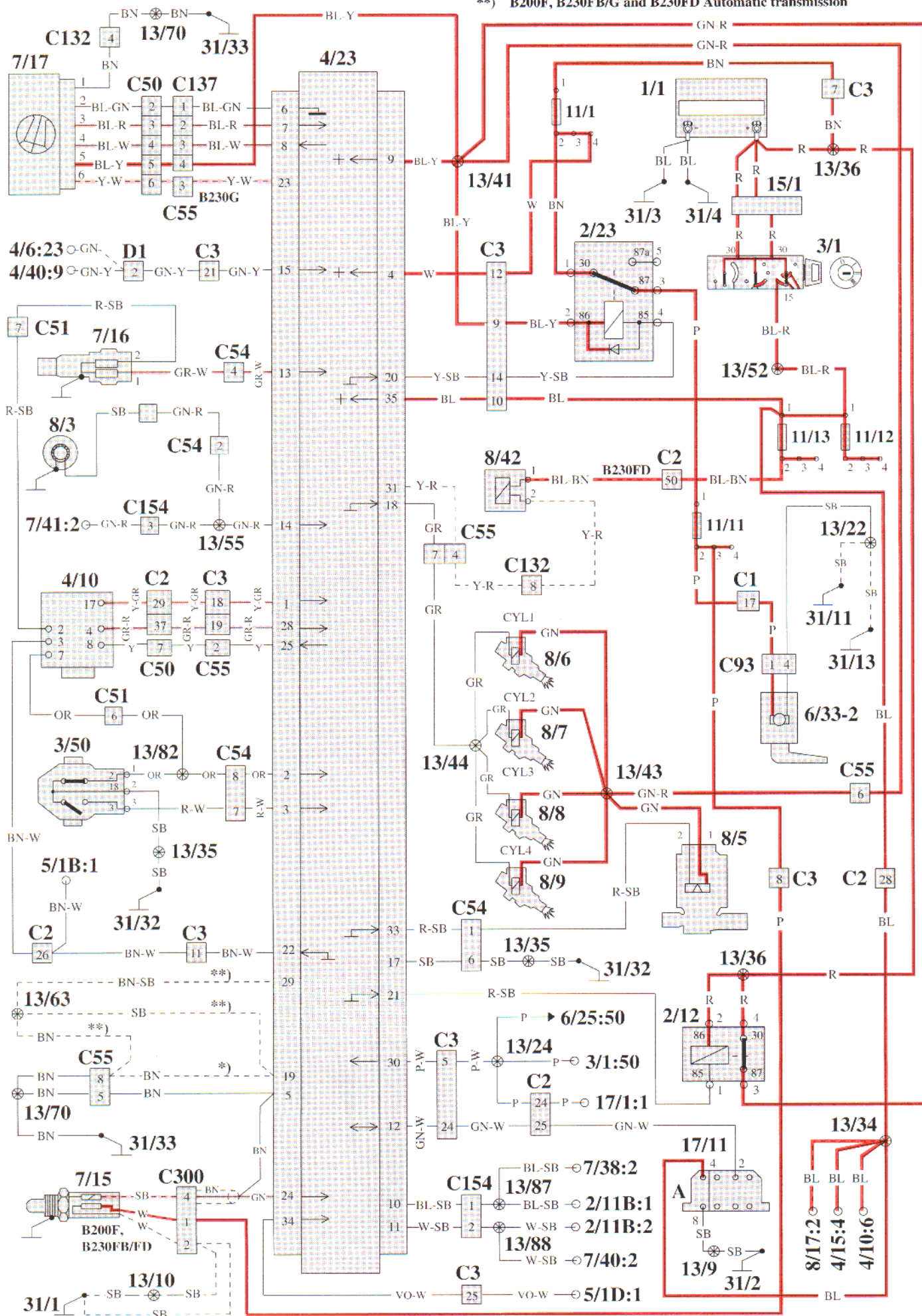
31/16



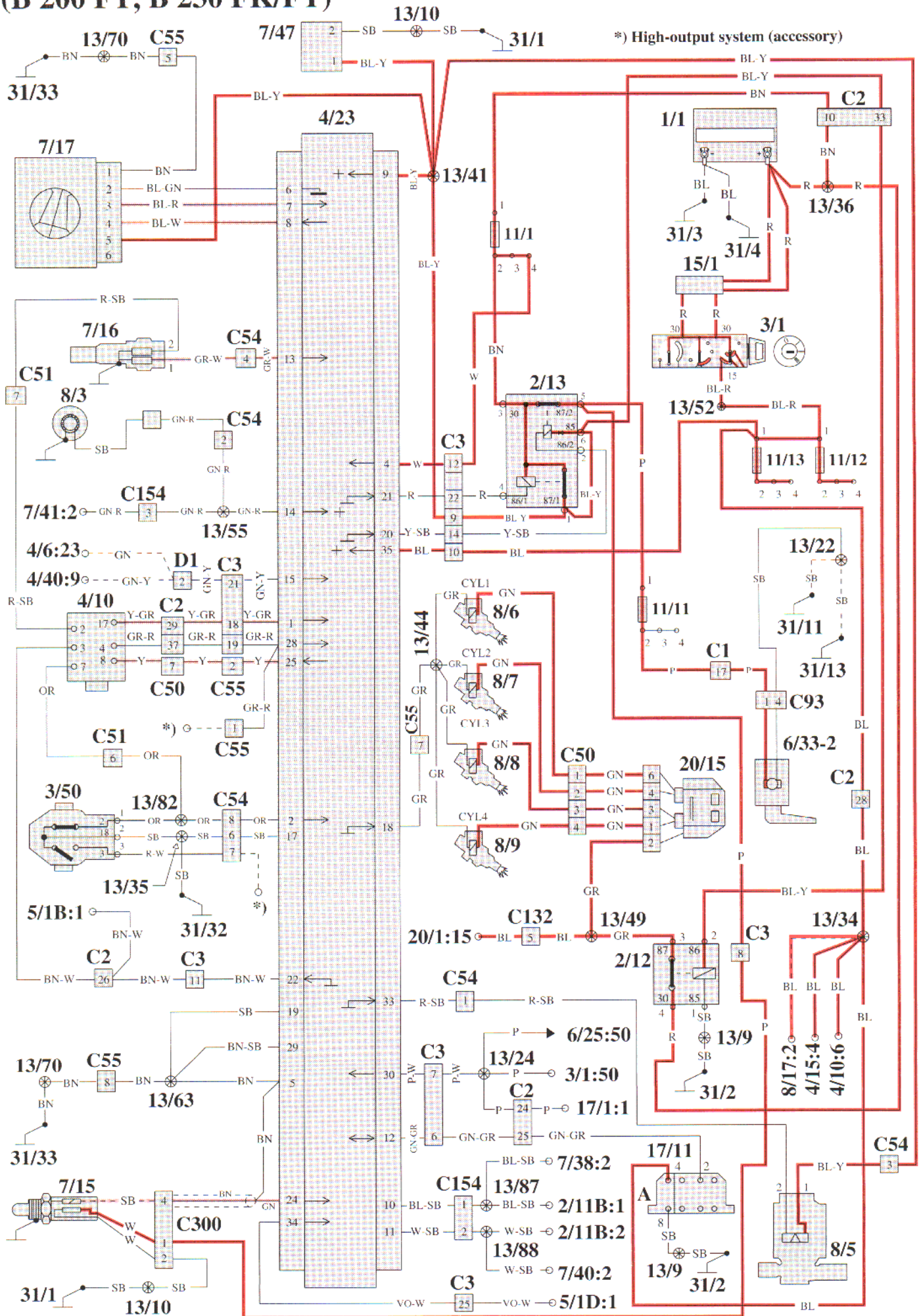
Windshield wiper motor

LH-jetronic 2.4 multipoint fuel injection system (MFI) (B 200F, B 230FB/FD/G)

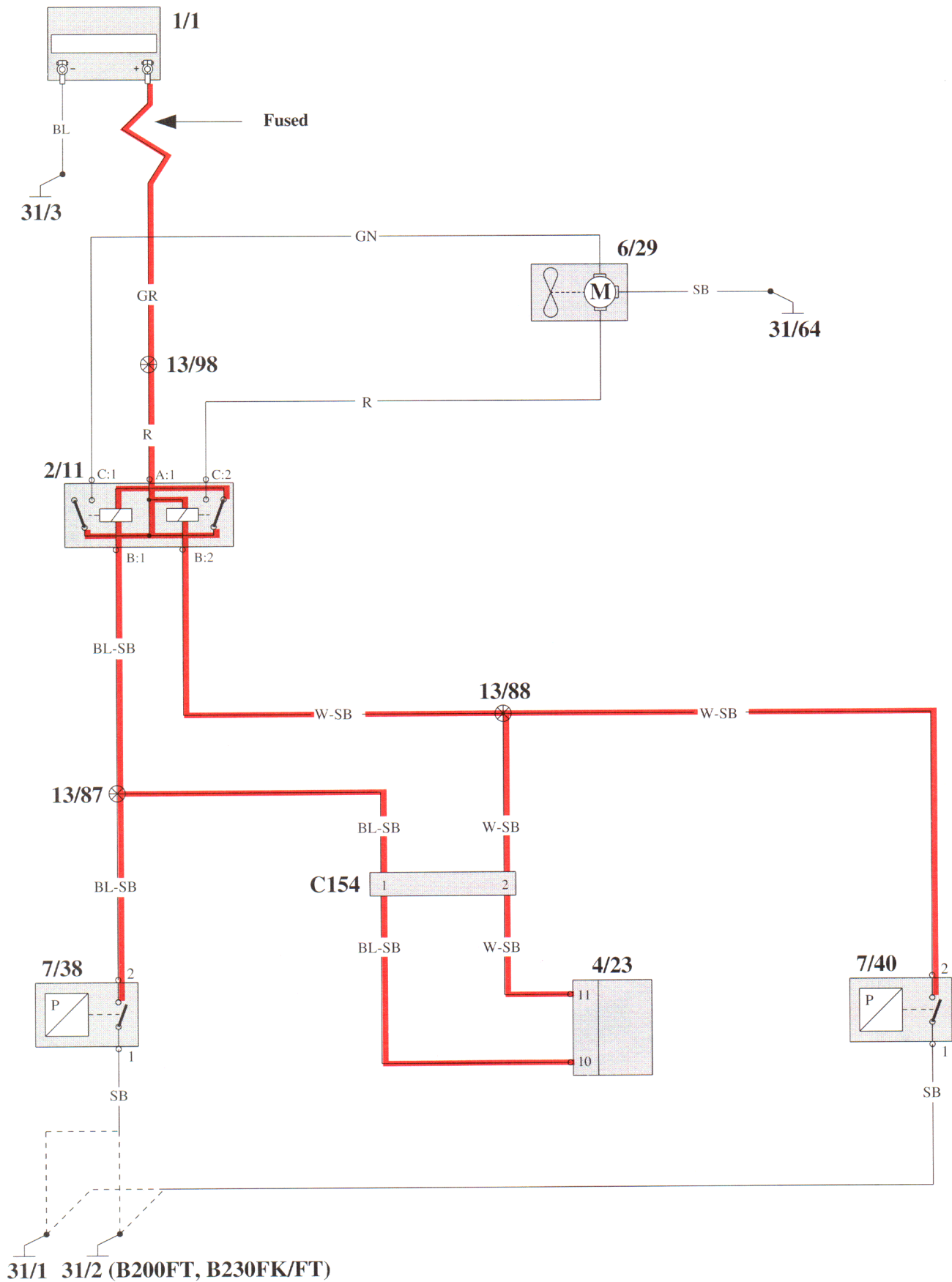
*) B230FD Manual transmission
 **) B200F, B230FB/G and B230FD Automatic transmission



LH-jetronic 2.4 multiport fuel injection system (MFI) (B 200 FT, B 230 FK/FT)

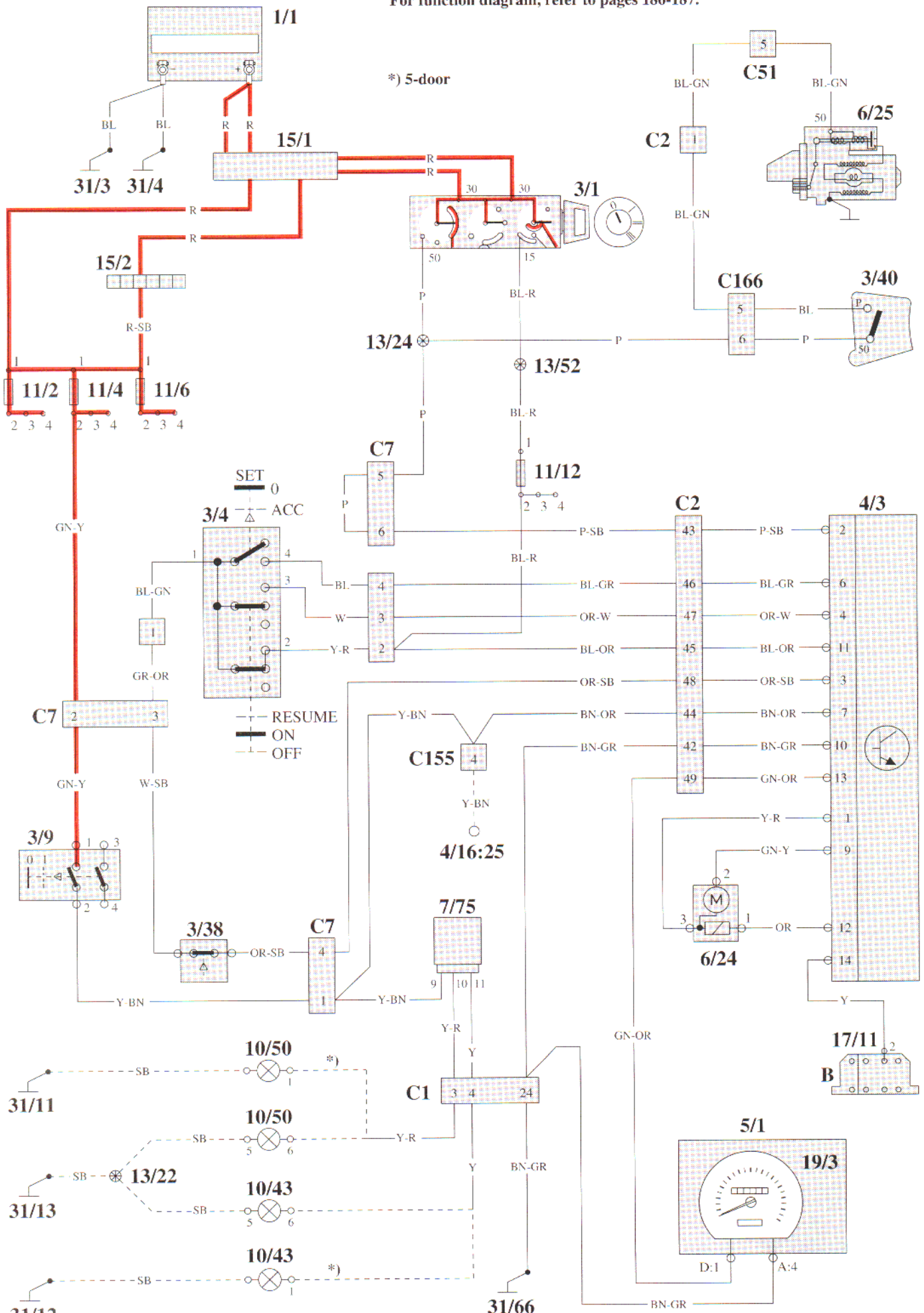


Engine cooling fan



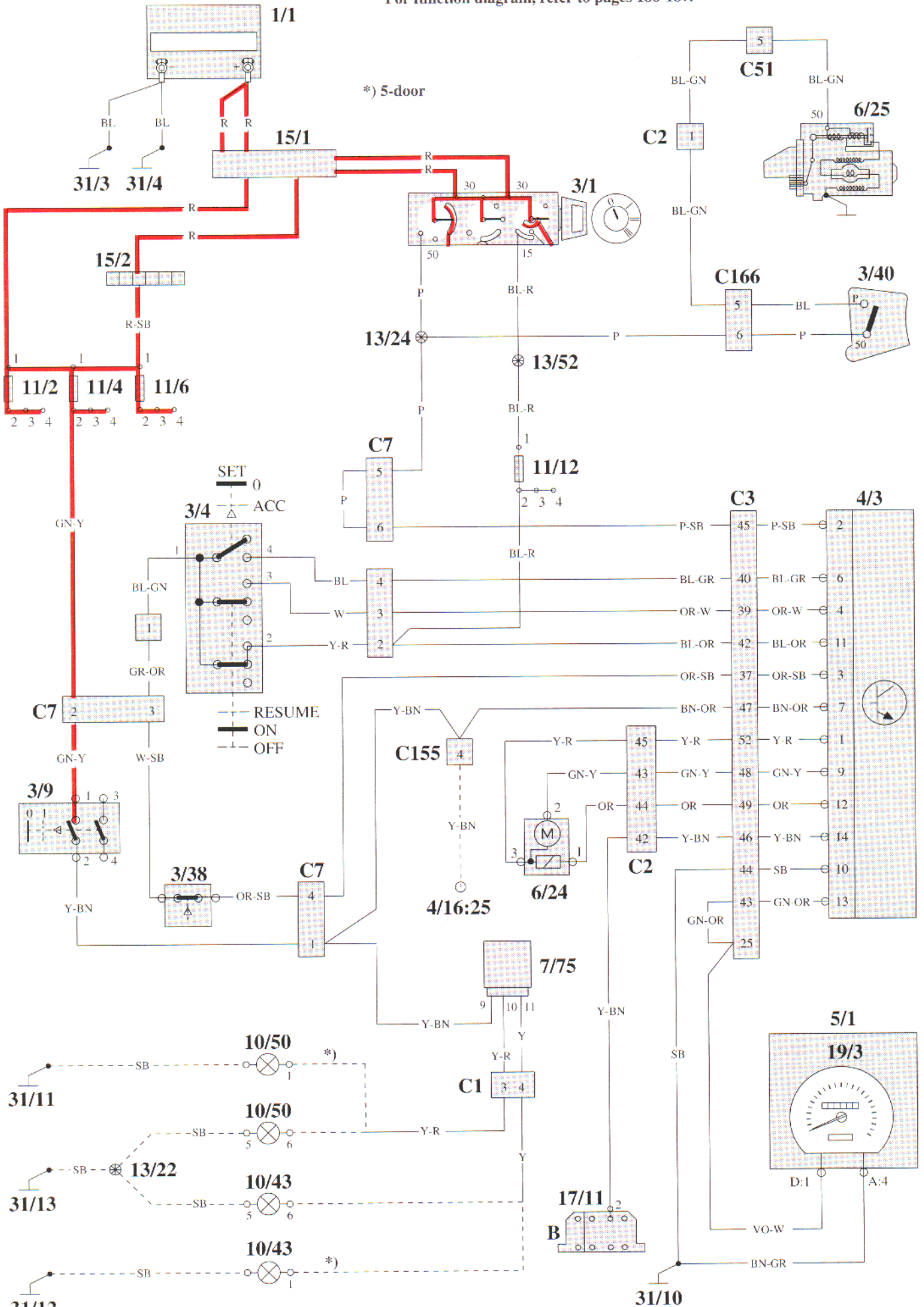
Cruise control

For function diagram, refer to pages 186-187.

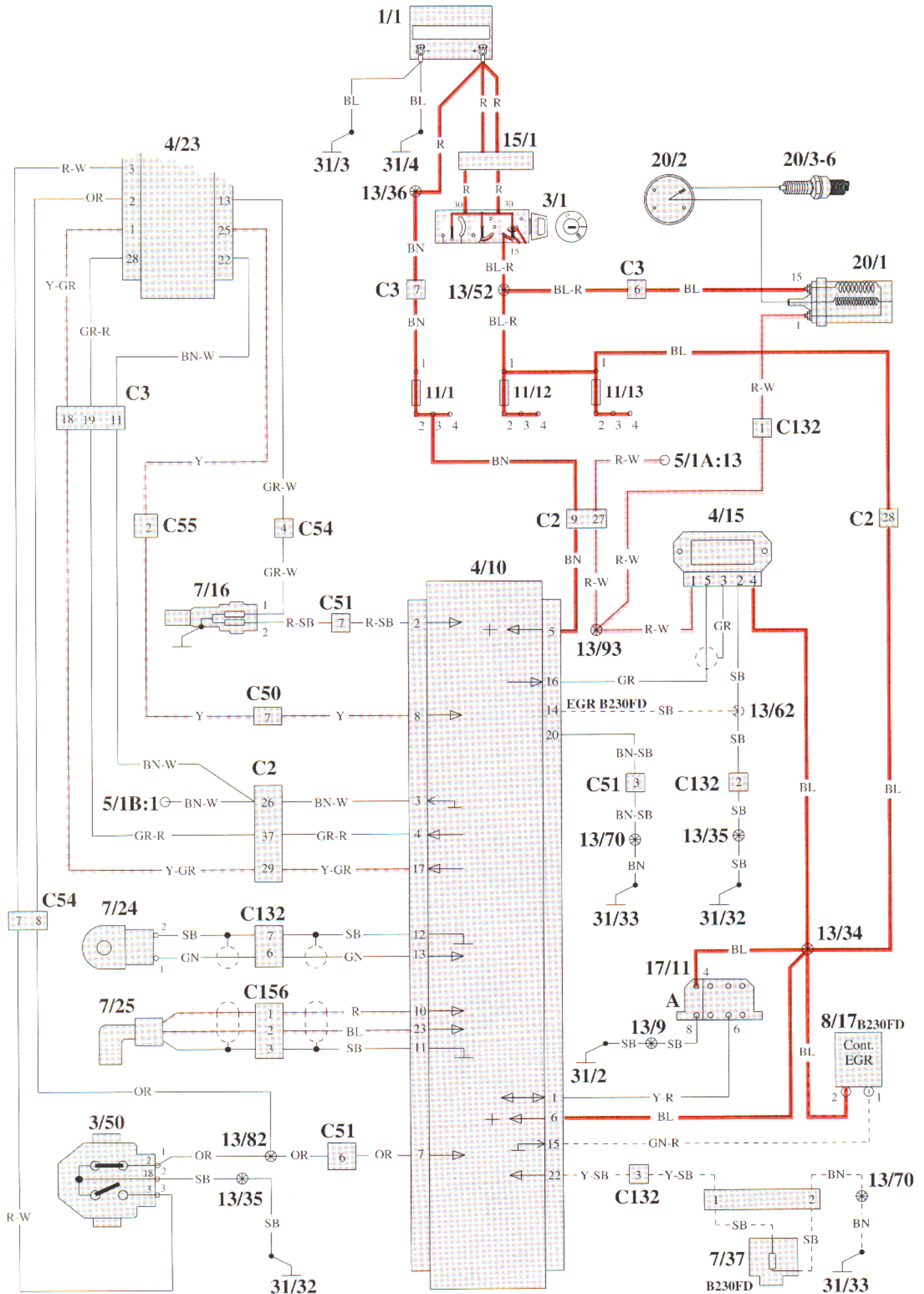


Cruise control, Japan

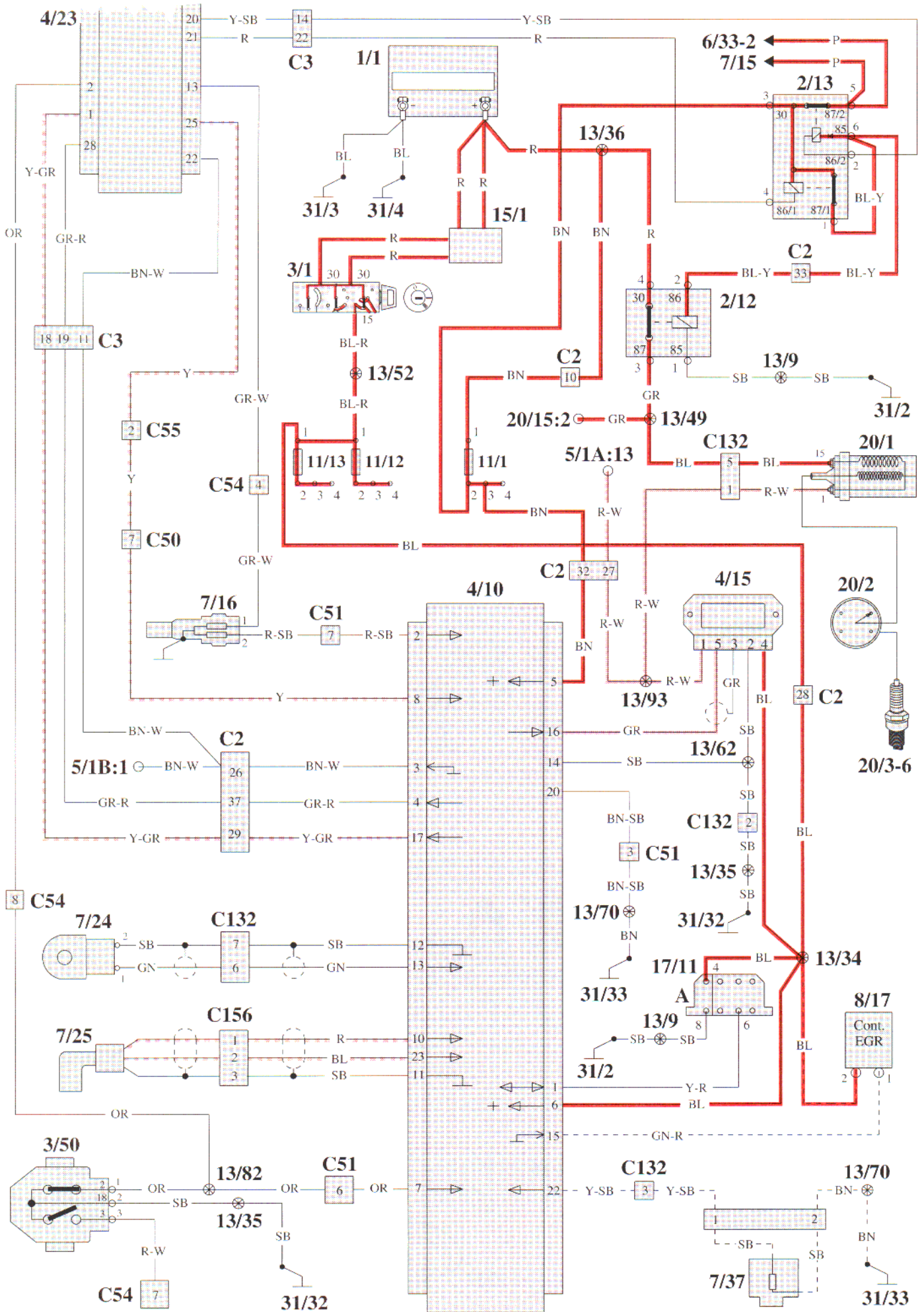
For function diagram, refer to pages 186-187.



Electronic ignition system (EI) EZ 116 K (B200F, B230FB/FD/G)

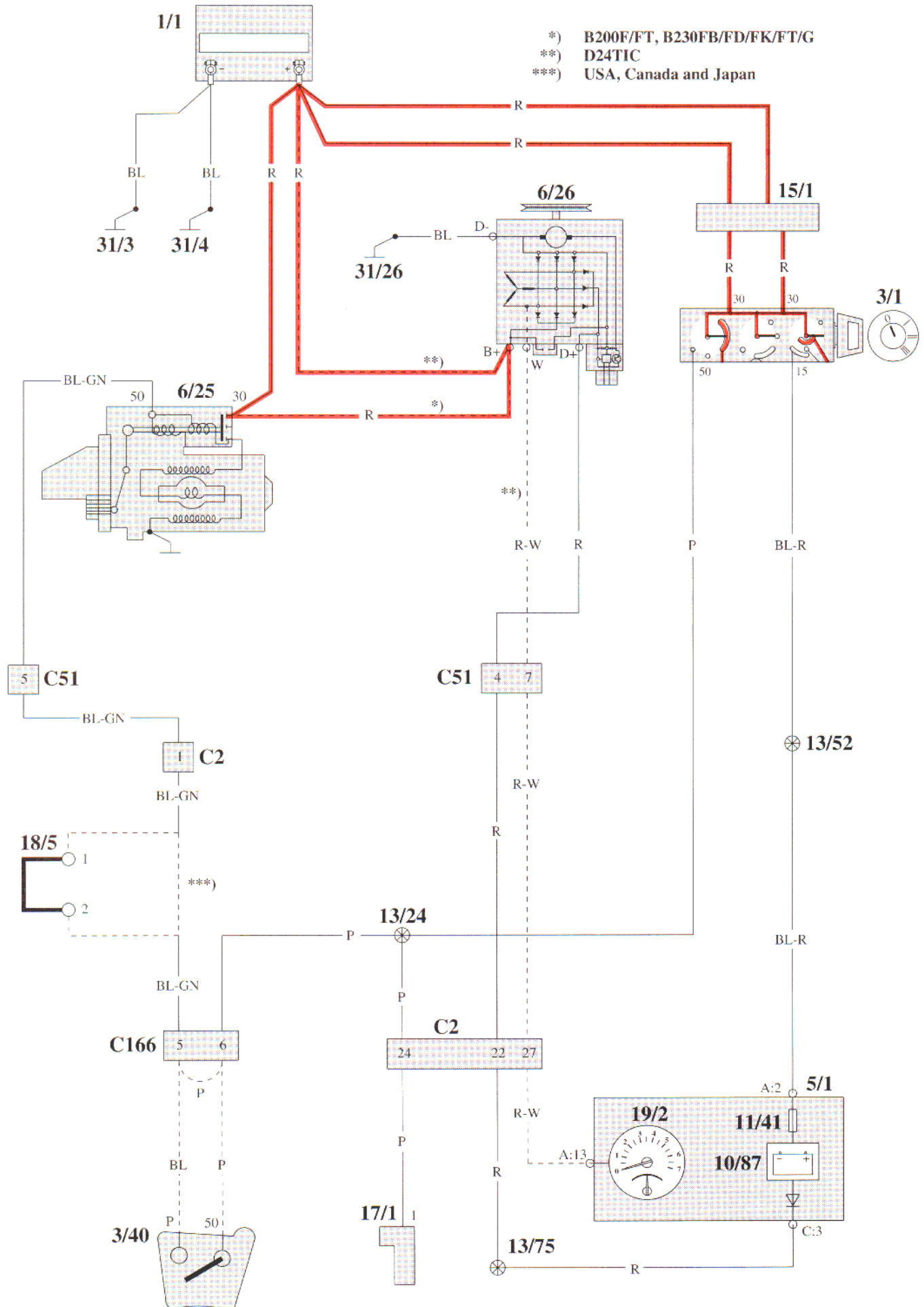


Electronic ignition system (EI) EZ 116 K (B200FT, B230FK/FT)



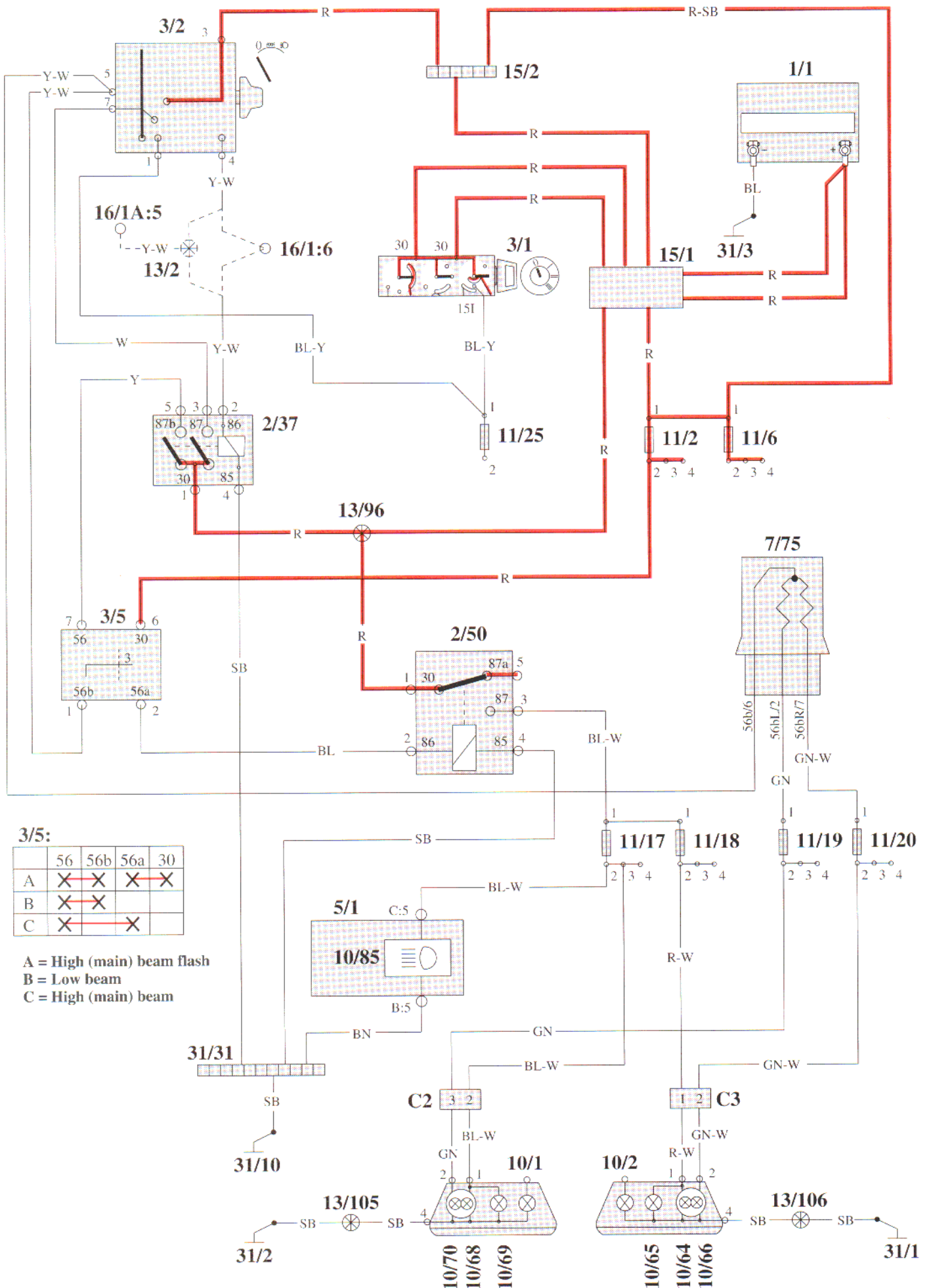
Power supply and starter system

For function diagram, refer to pages 188-189.



High and low beam

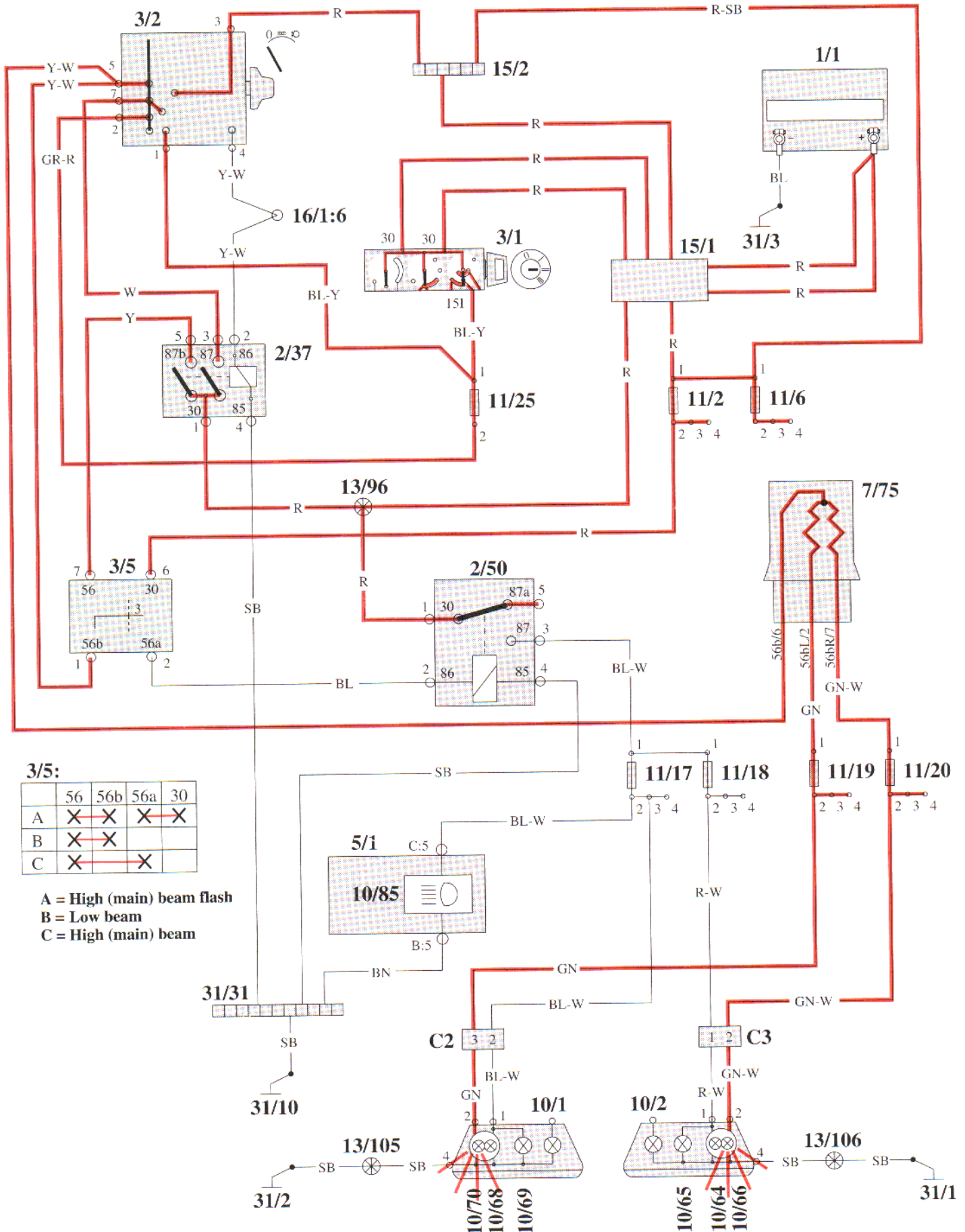
For function diagram, refer to page 190.



High and low beam, Nordic region, Netherlands, Belgium

Automatic low beam with ignition lock (3/1) in position II and light switch (3/2) in position 0 (can be disconnected if fuse no. 25 is removed)

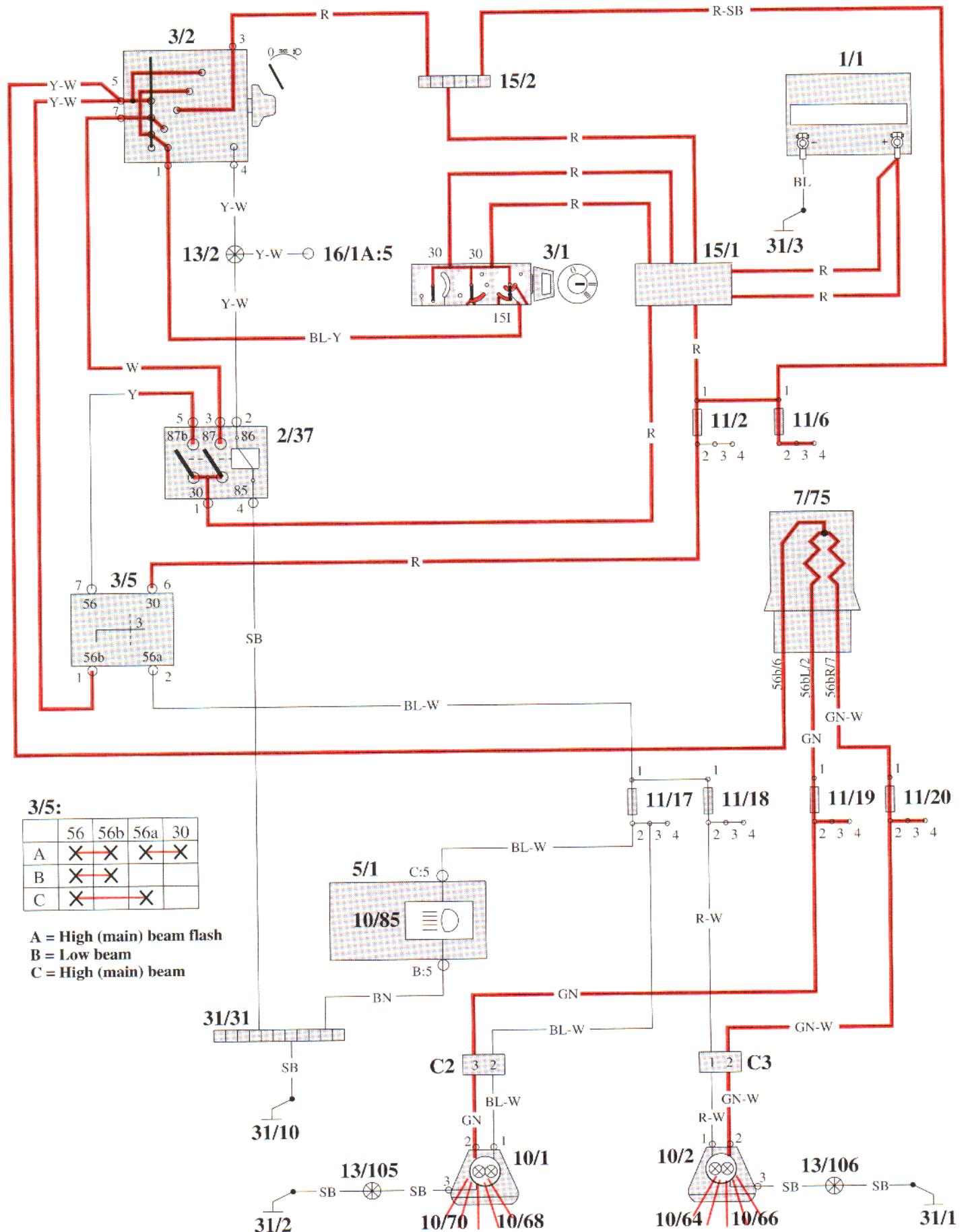
For function diagram, refer to page 191.



High and low beam, Canada

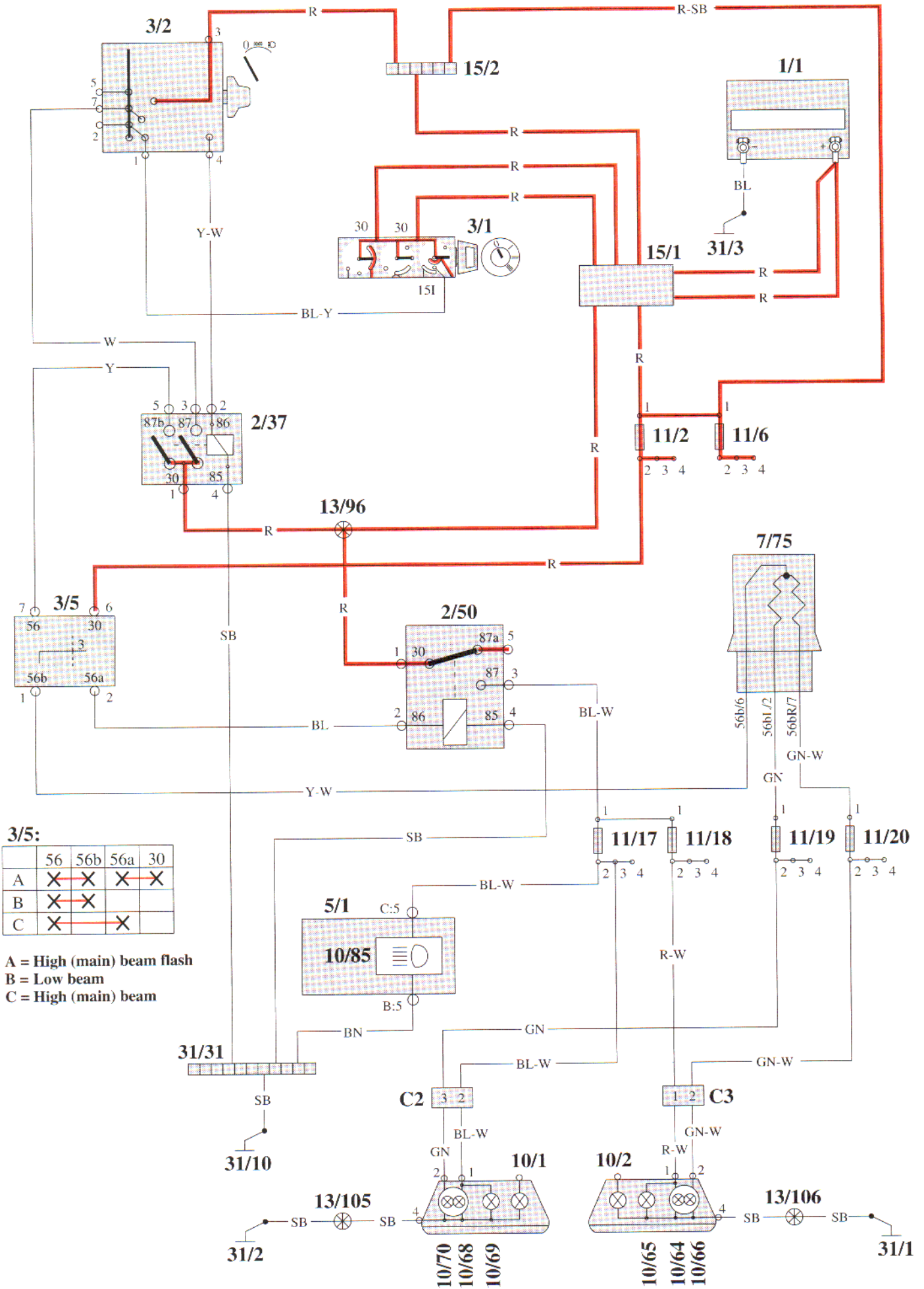
Automatic low beam with ignition lock (3/1) in pos. II

For function diagram, refer to page 192.



High and low beam, Great Britain

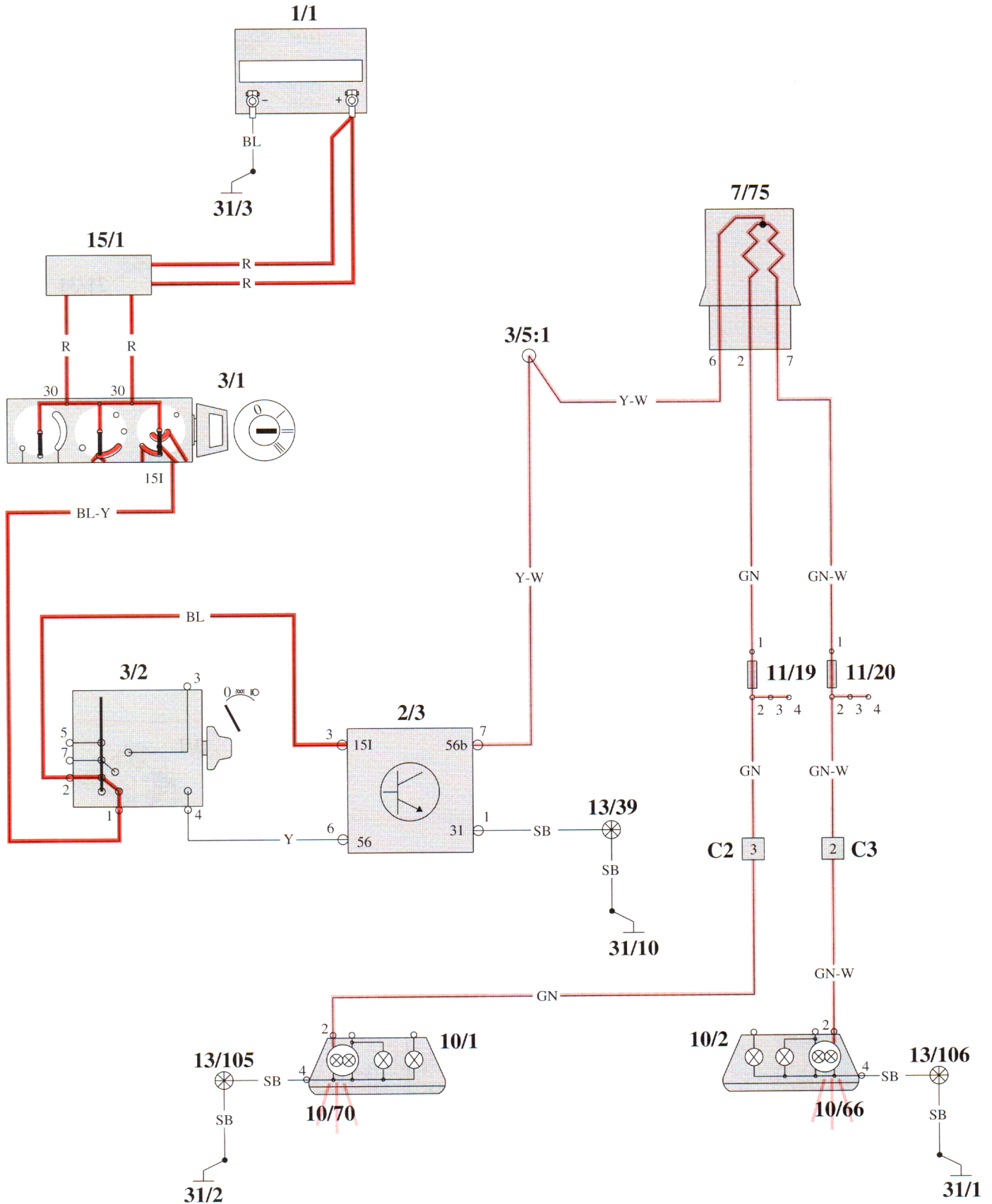
For function diagram, refer to page 193.



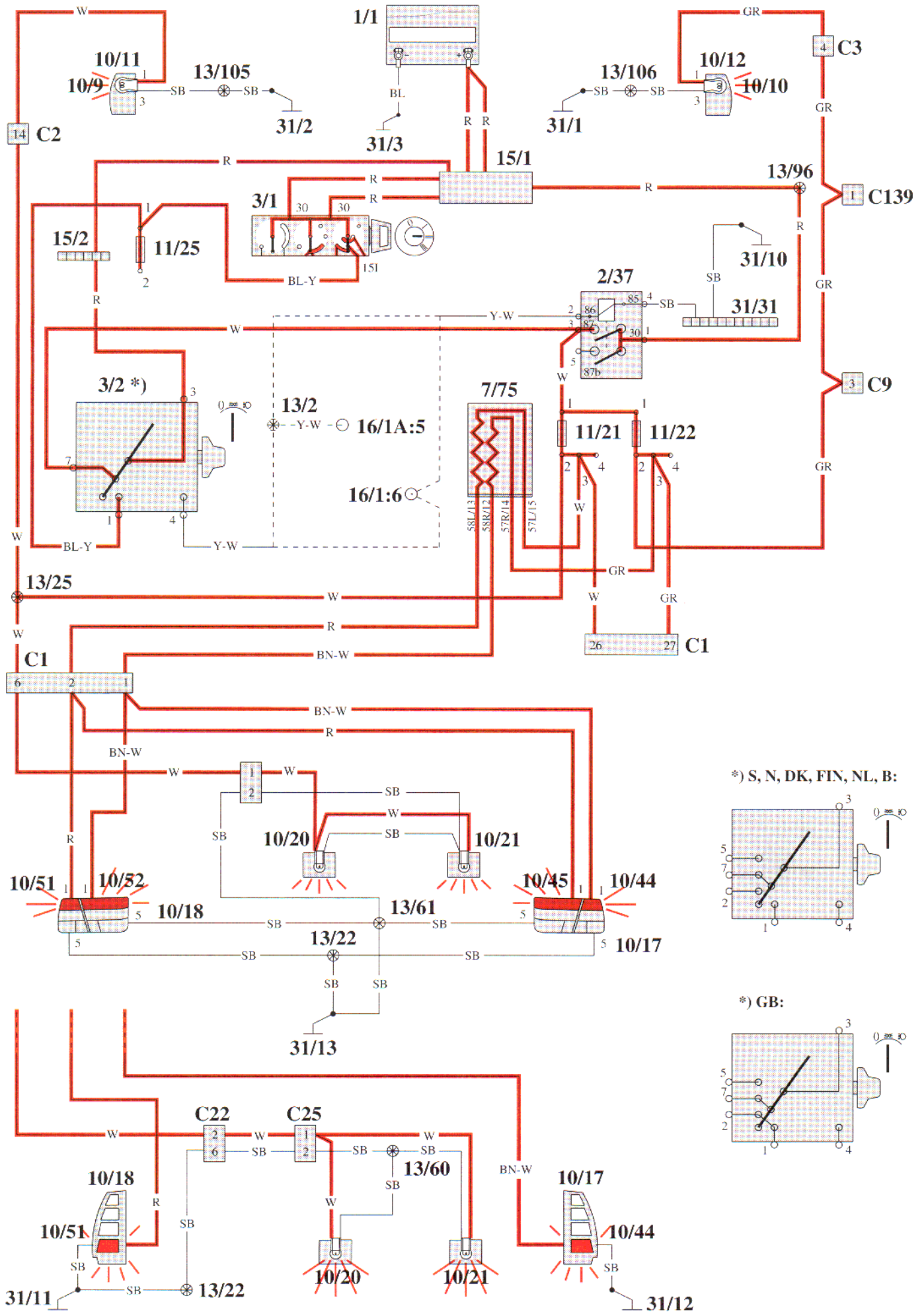
Reduced intensity low beam (DIM-DIP) Great Britain

Reduced intensity low beam activated
when the regulator (2/3) receives
the following signals:

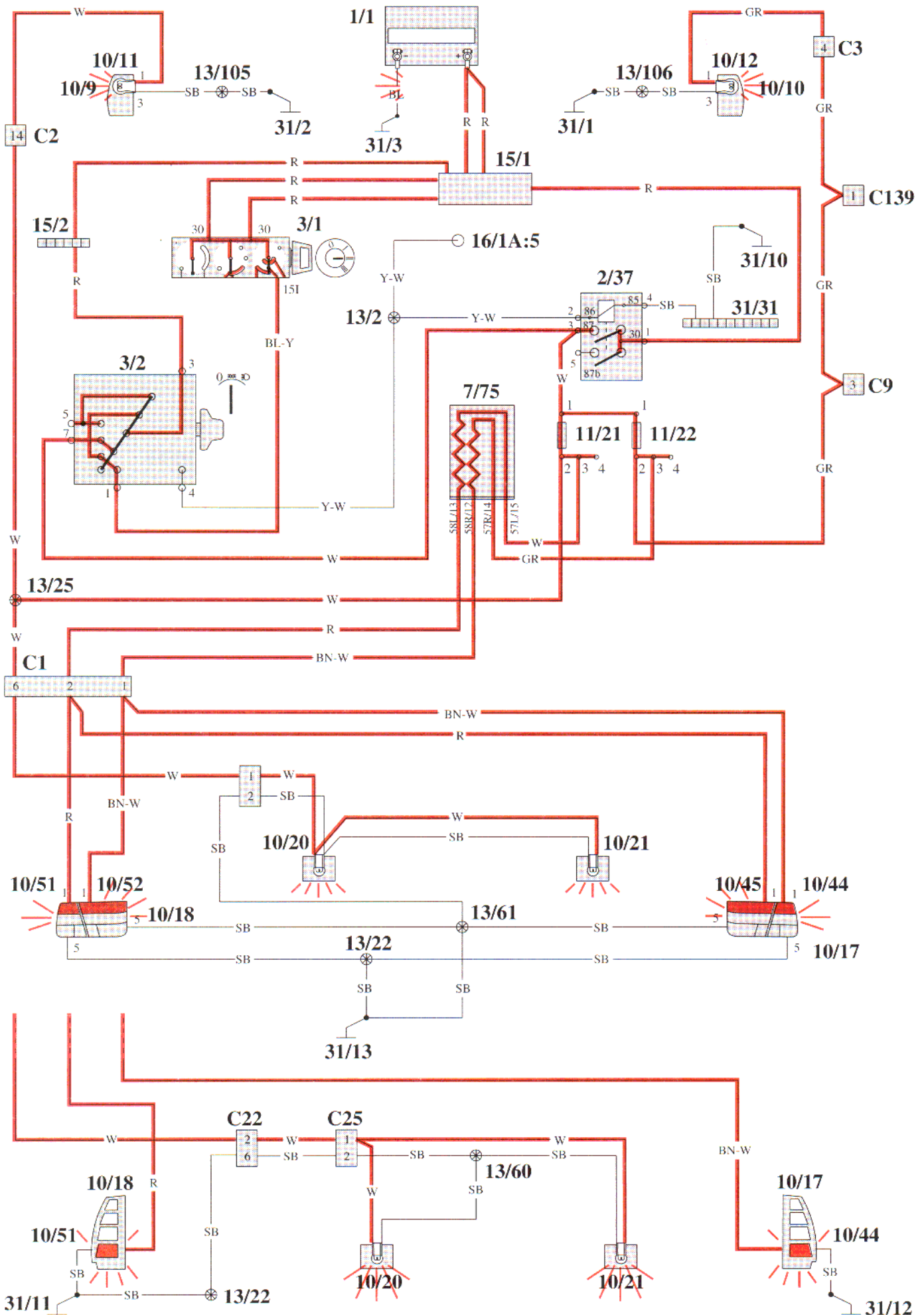
15I	56
1	0



Parking lights, tail lights and license plate lights

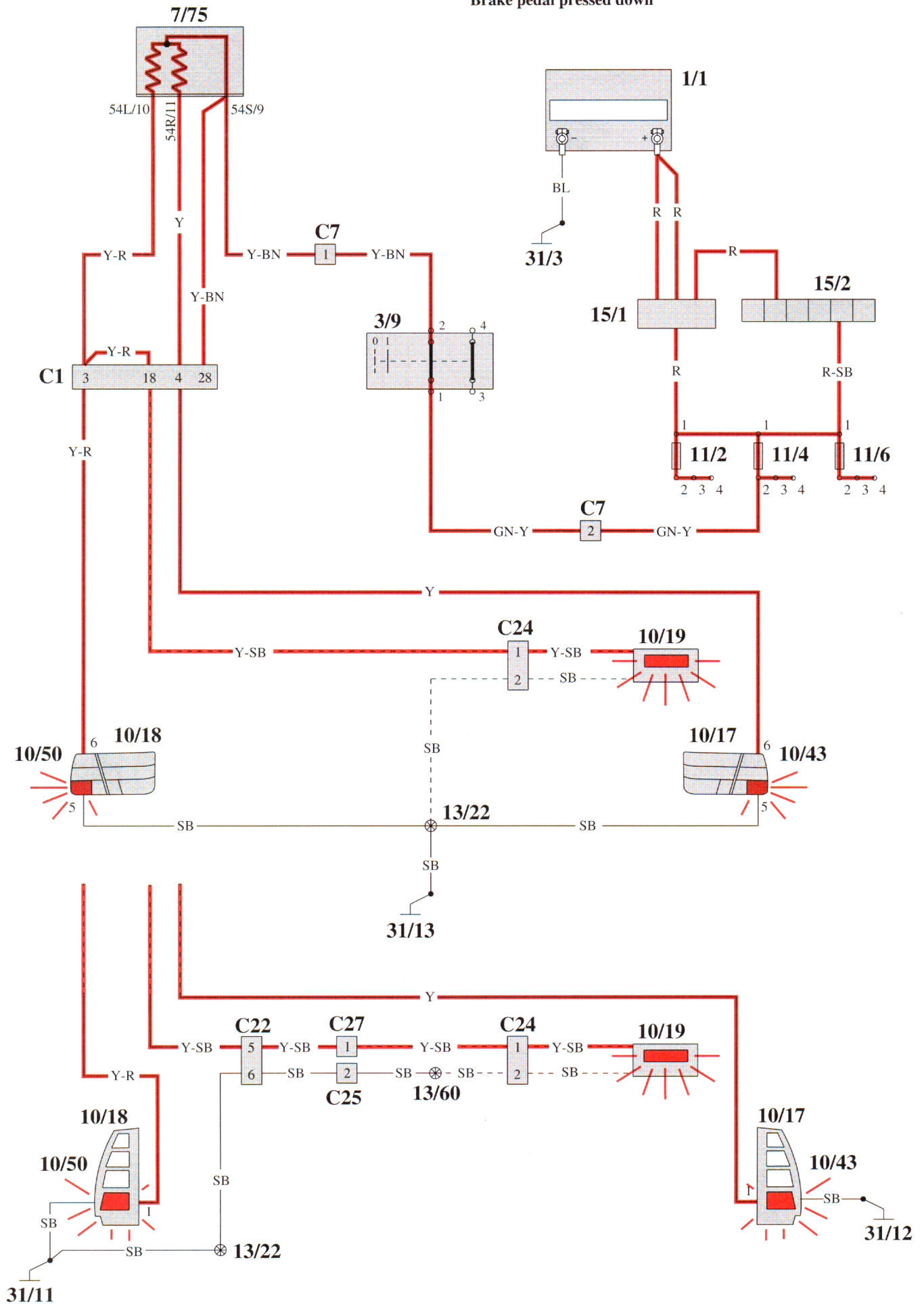


Parking lights, tail lights and license plate lights USA, Canada



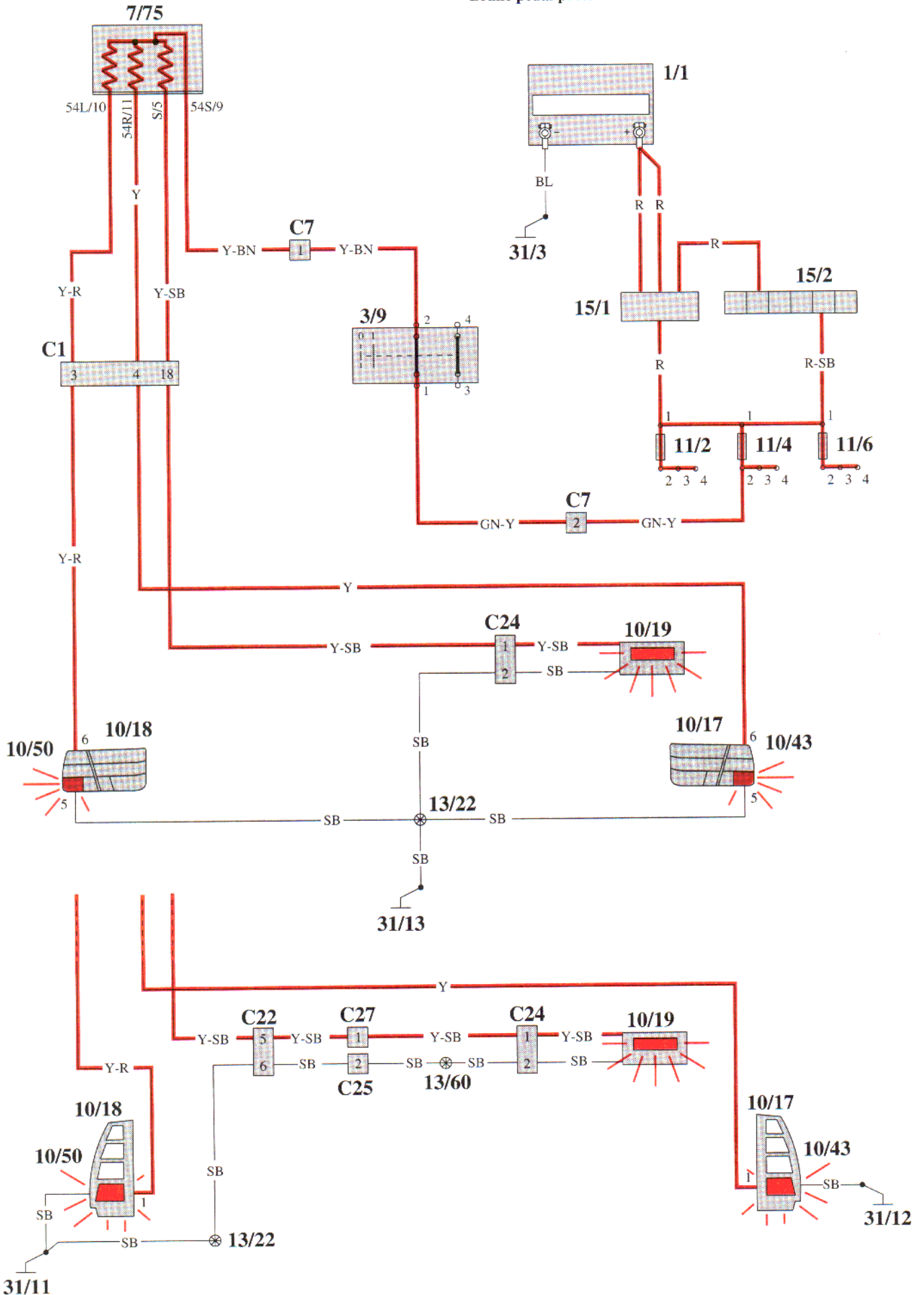
Brake lights

Brake pedal pressed down

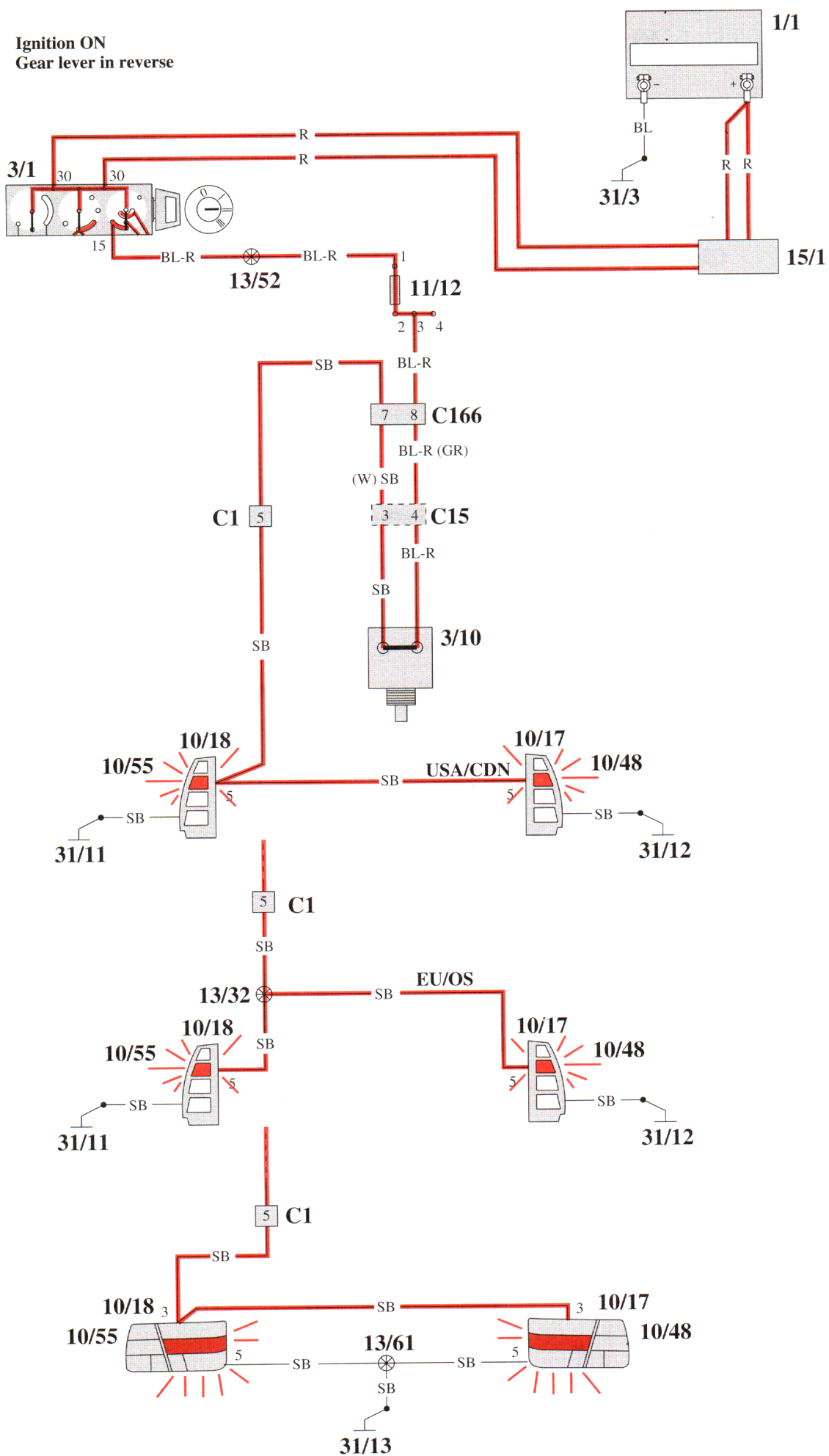


Brake lights, USA, Canada

Brake pedal pressed down

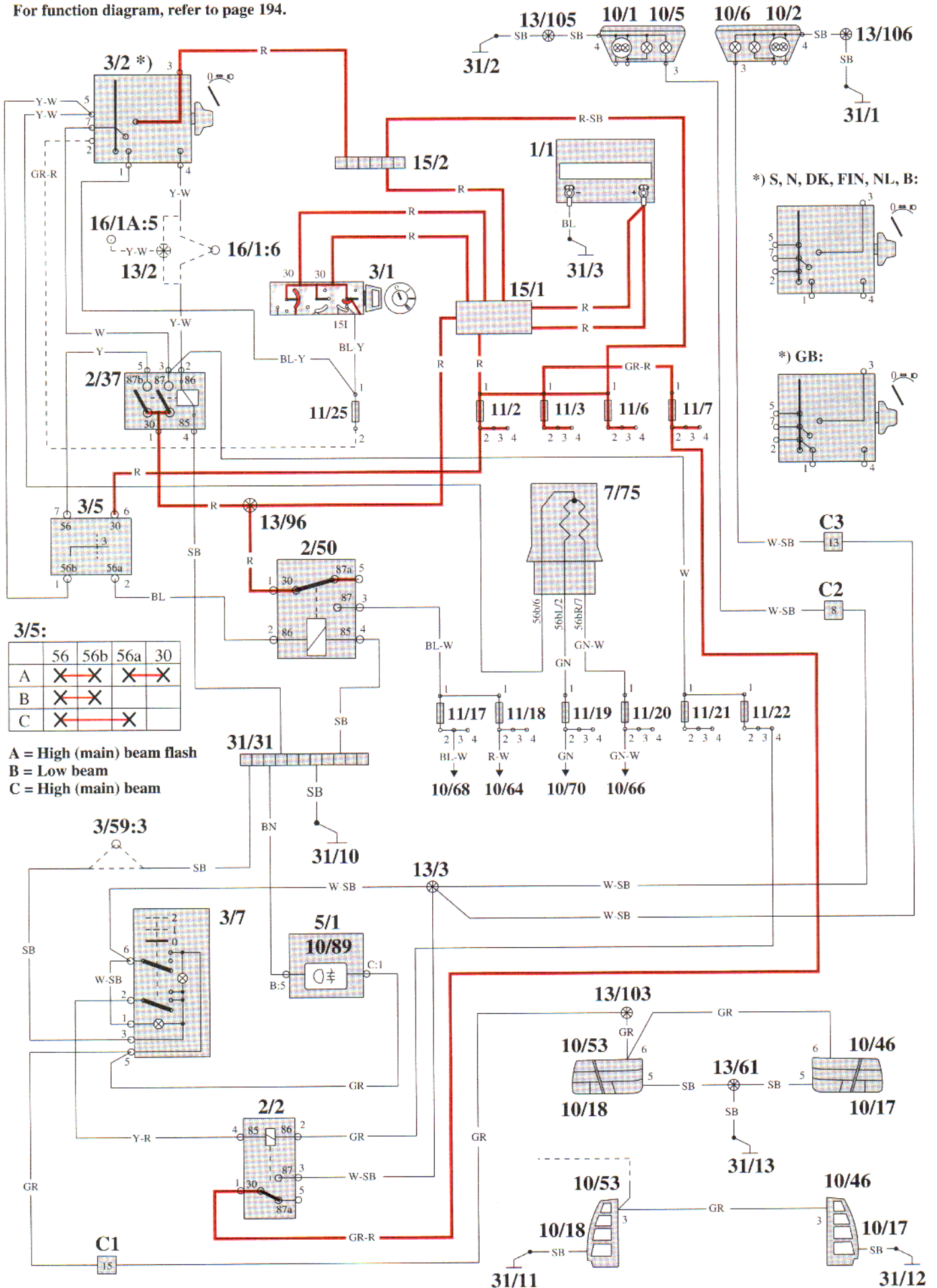


Back-up (reversing) lights



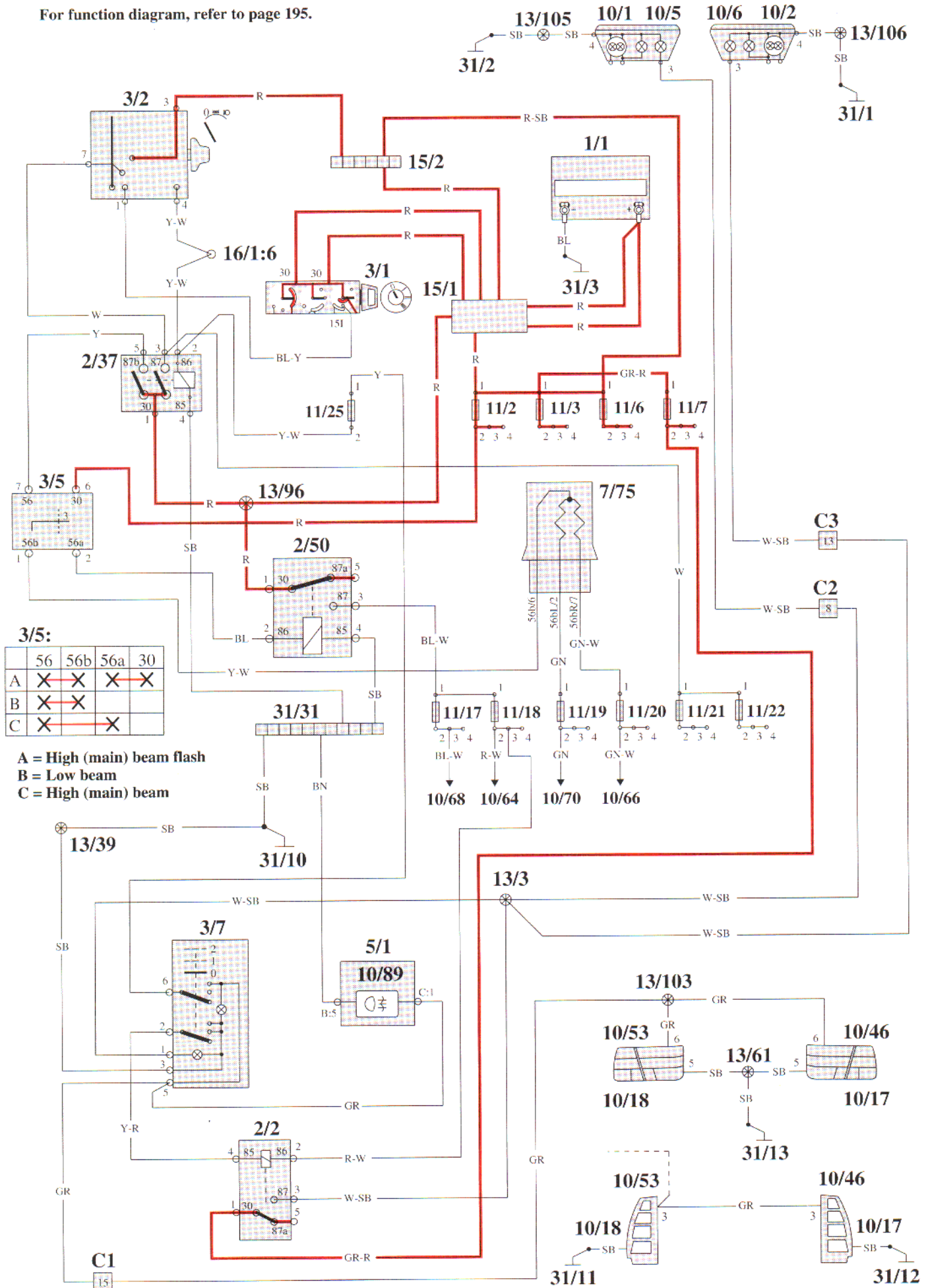
Foglights

For function diagram, refer to page 194.



Foglights Japan

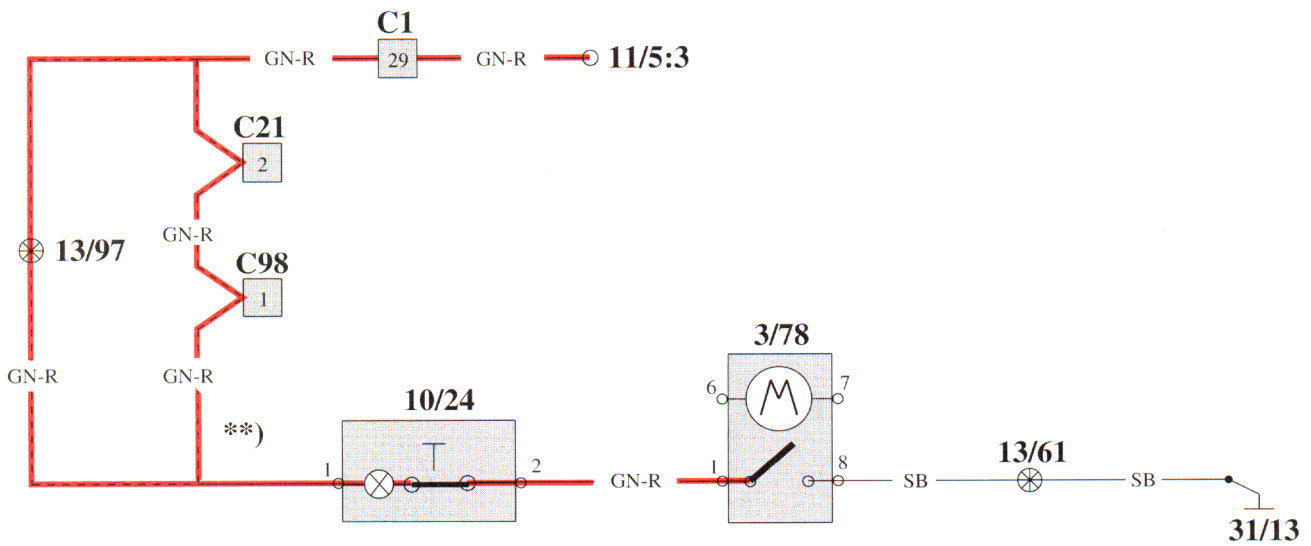
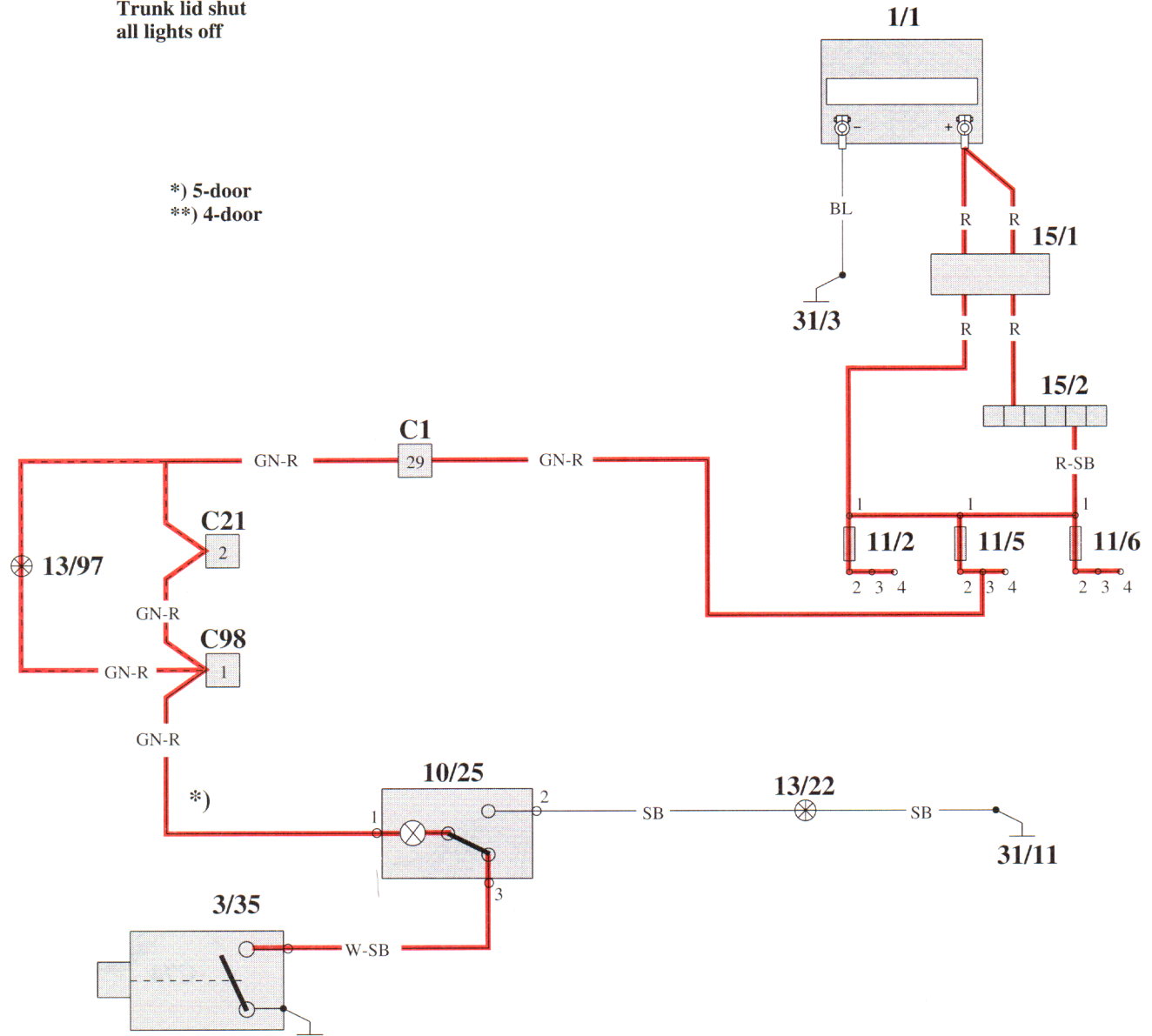
For function diagram, refer to page 195.



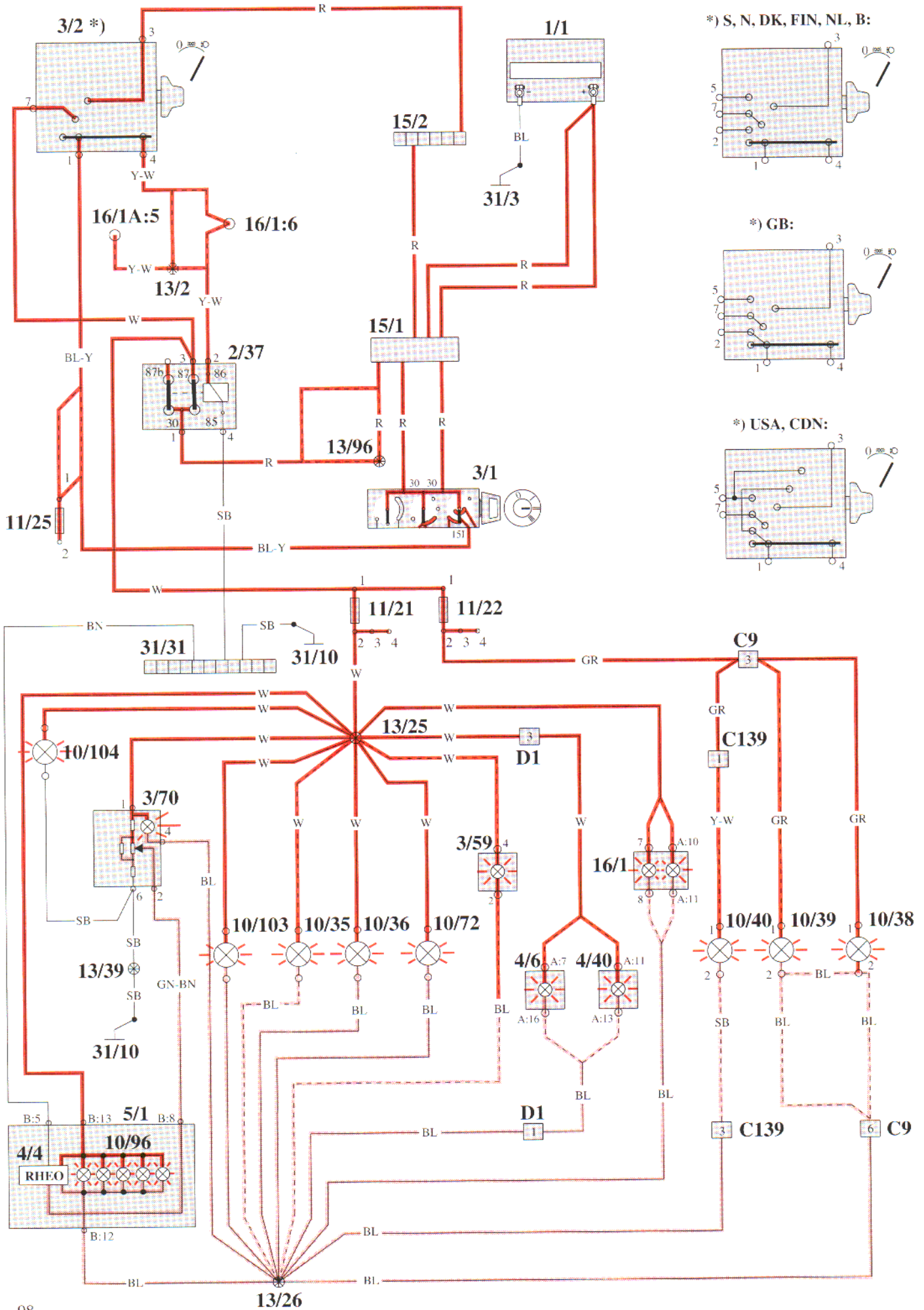
Trunk light

Trunk lid shut
all lights off

*) 5-door
**) 4-door

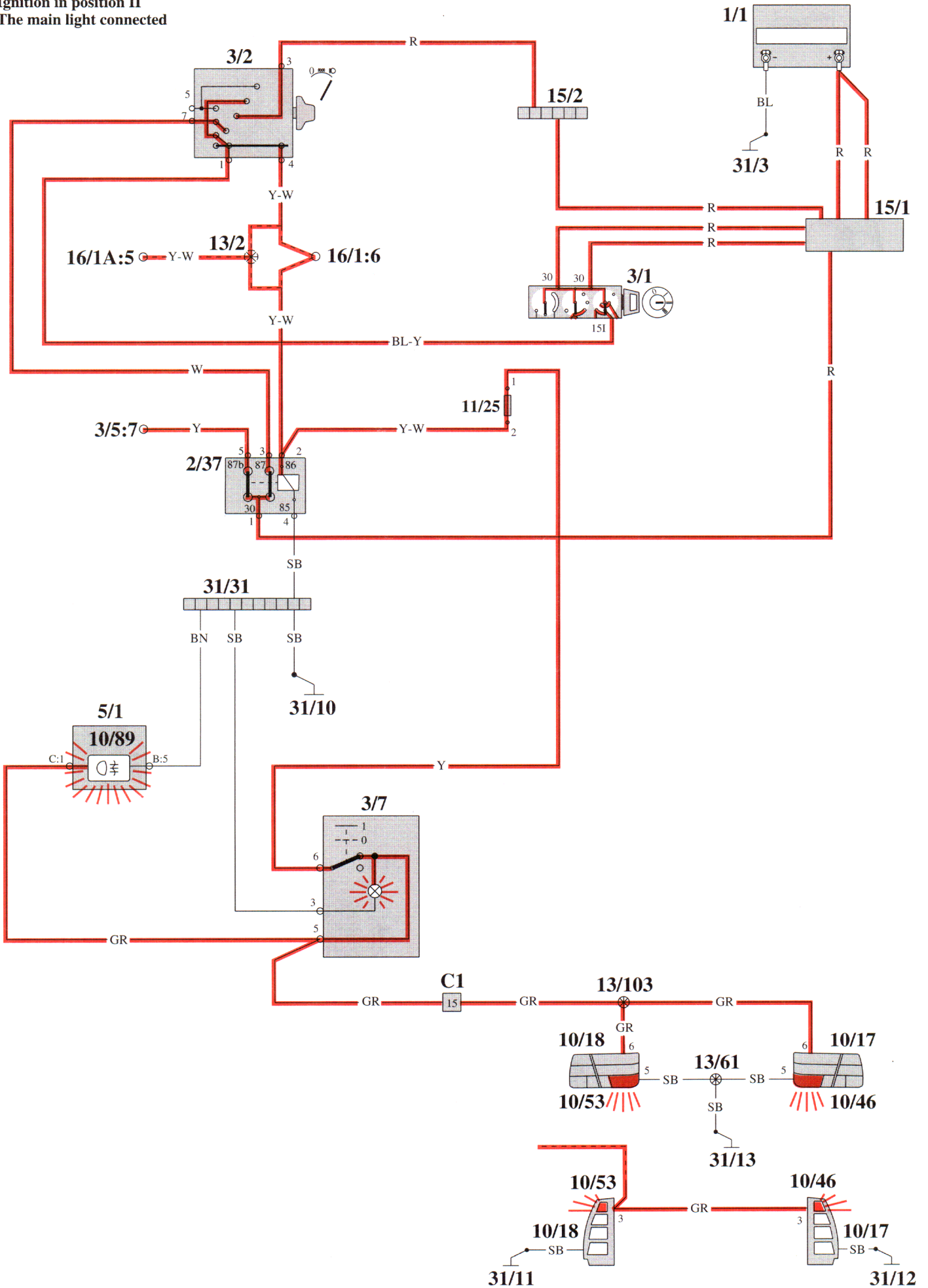


Instrumentation and controls lighting



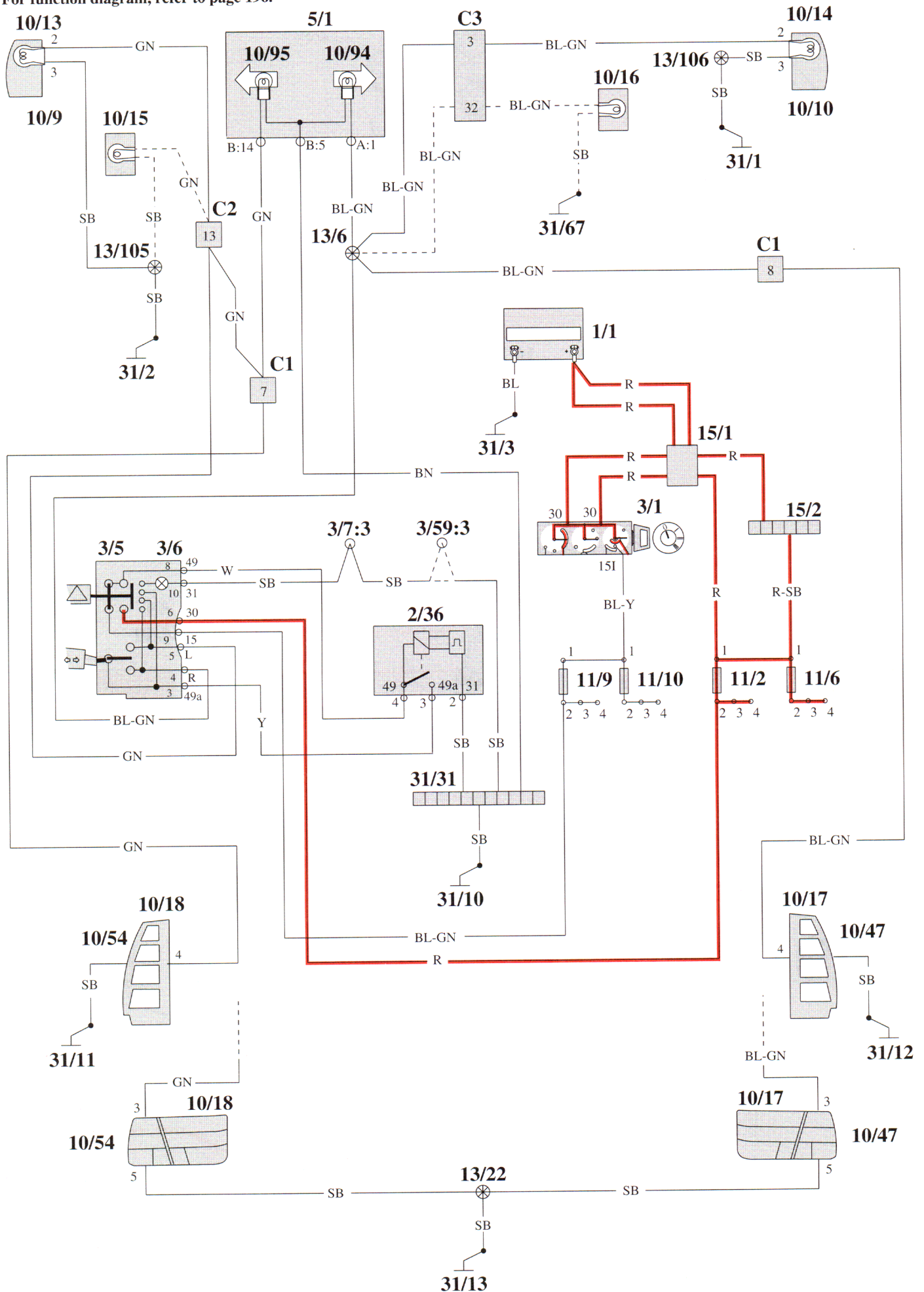
Foglights, USA, Canada

Ignition in position II
The main light connected

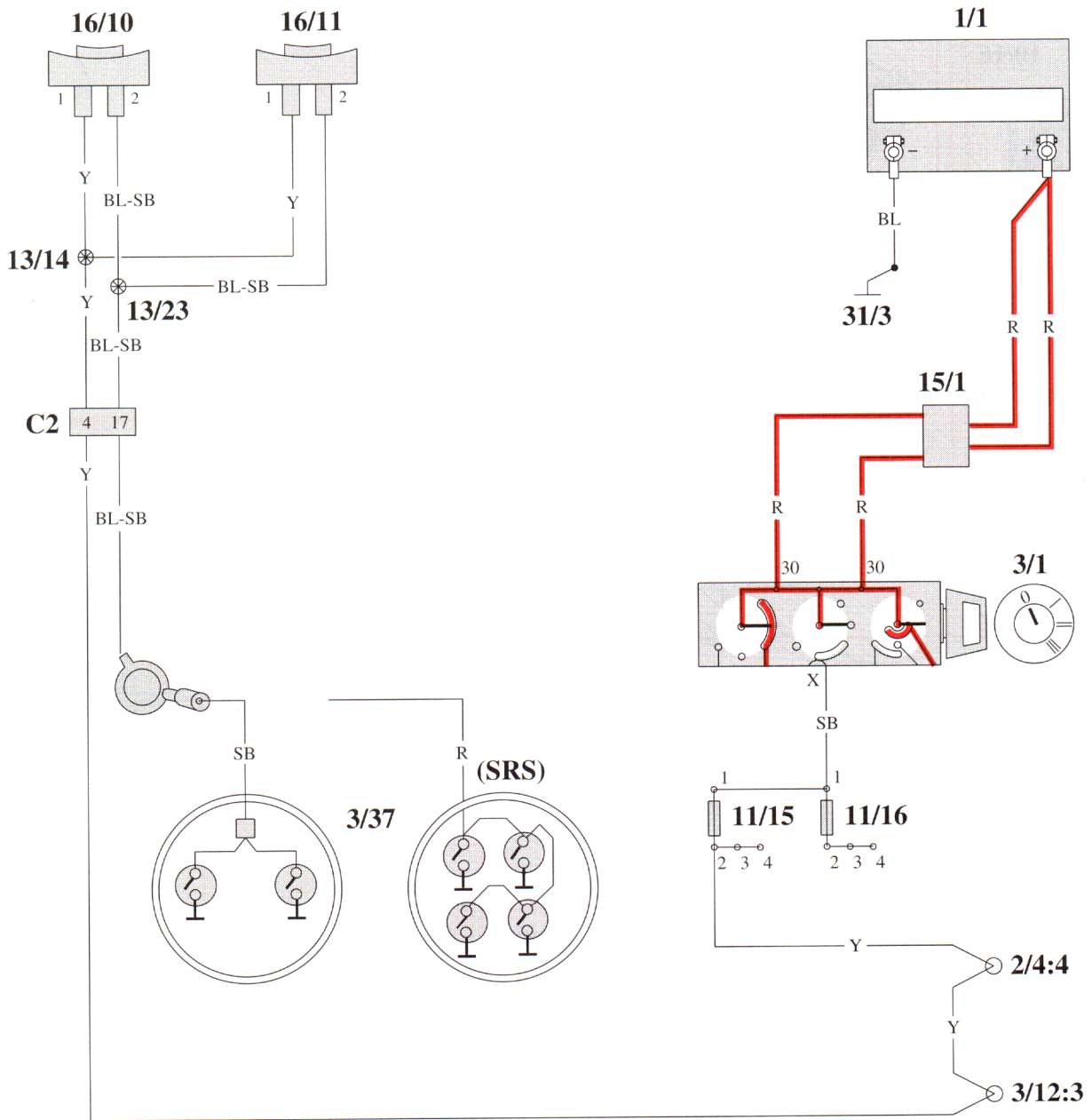


Turn signals and hazard warning flashers

For function diagram, refer to page 196.

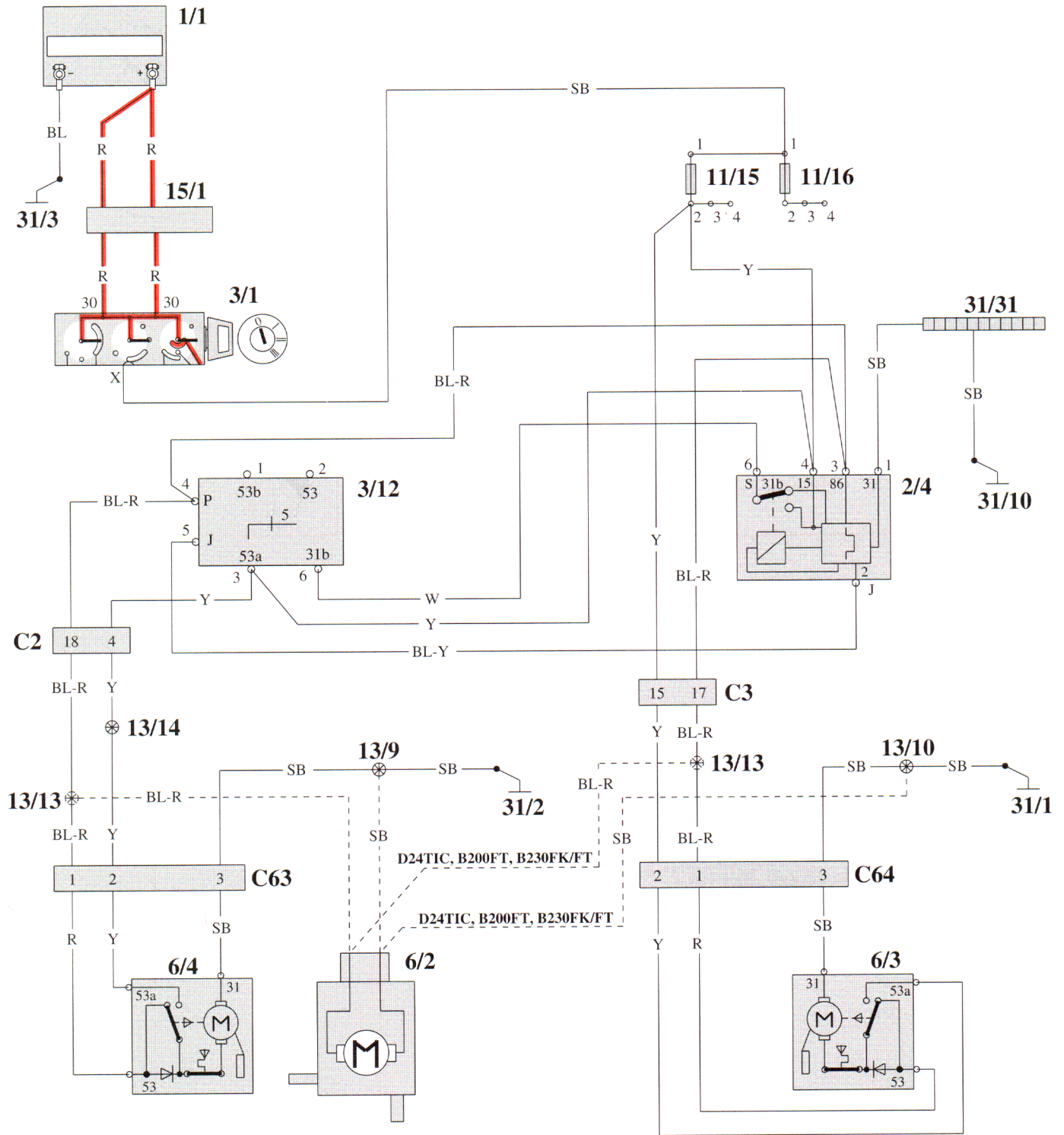


Horn



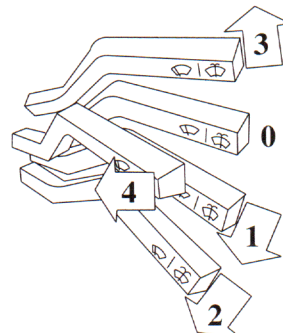
Headlight wash/wipe

For function diagram, refer to page 197.



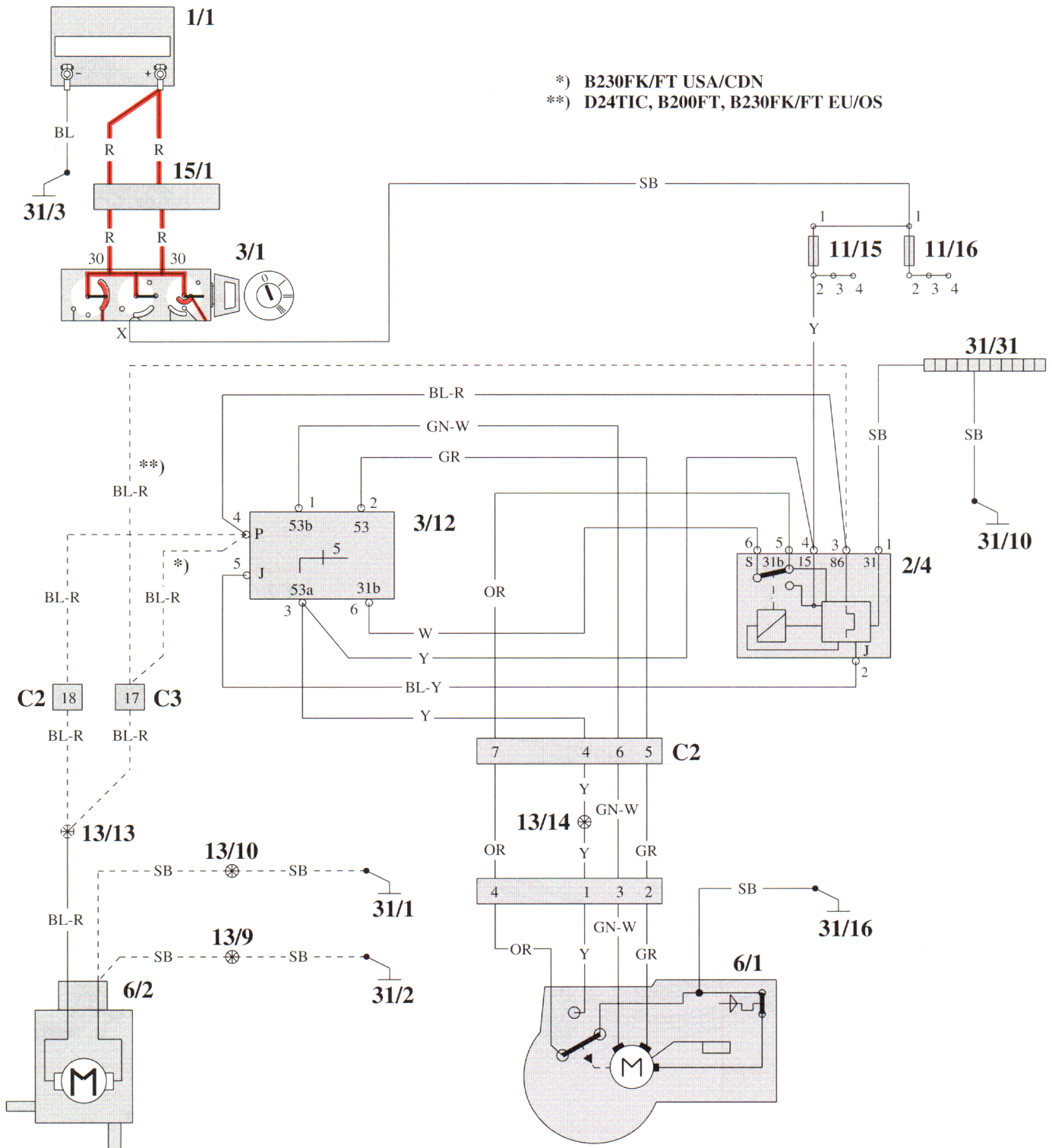
3/12

	+53a	53b	J	P	53	31b
0					X	X
1	X				X	
2	X	X				
3	X		X		X	X
4	X			X	X	X




Windshield wash/wipe

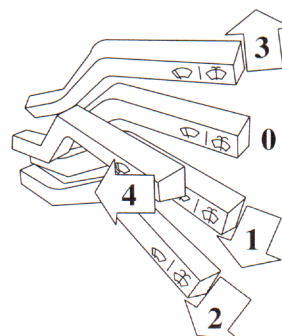
For function diagram, refer to pages 198-199.



*) B230FK/FT USA/CDN
 **) D24TIC, B200FT, B230FK/FT EU/OS

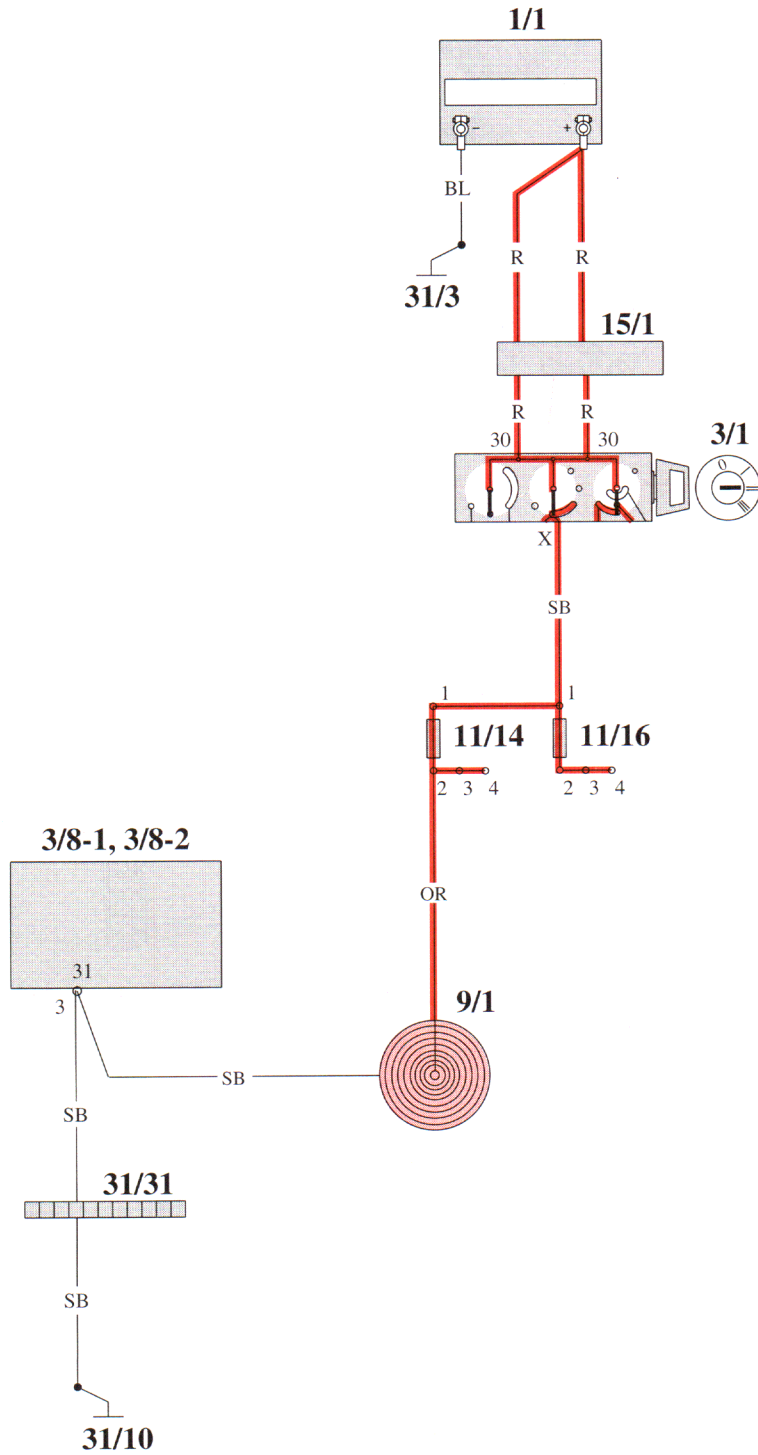
3/12

	+53a	53b	J	P	53	31b
0					X	X
1	X				X	
2	X	X				
3	X		X		X	X
4	X			X	X	X

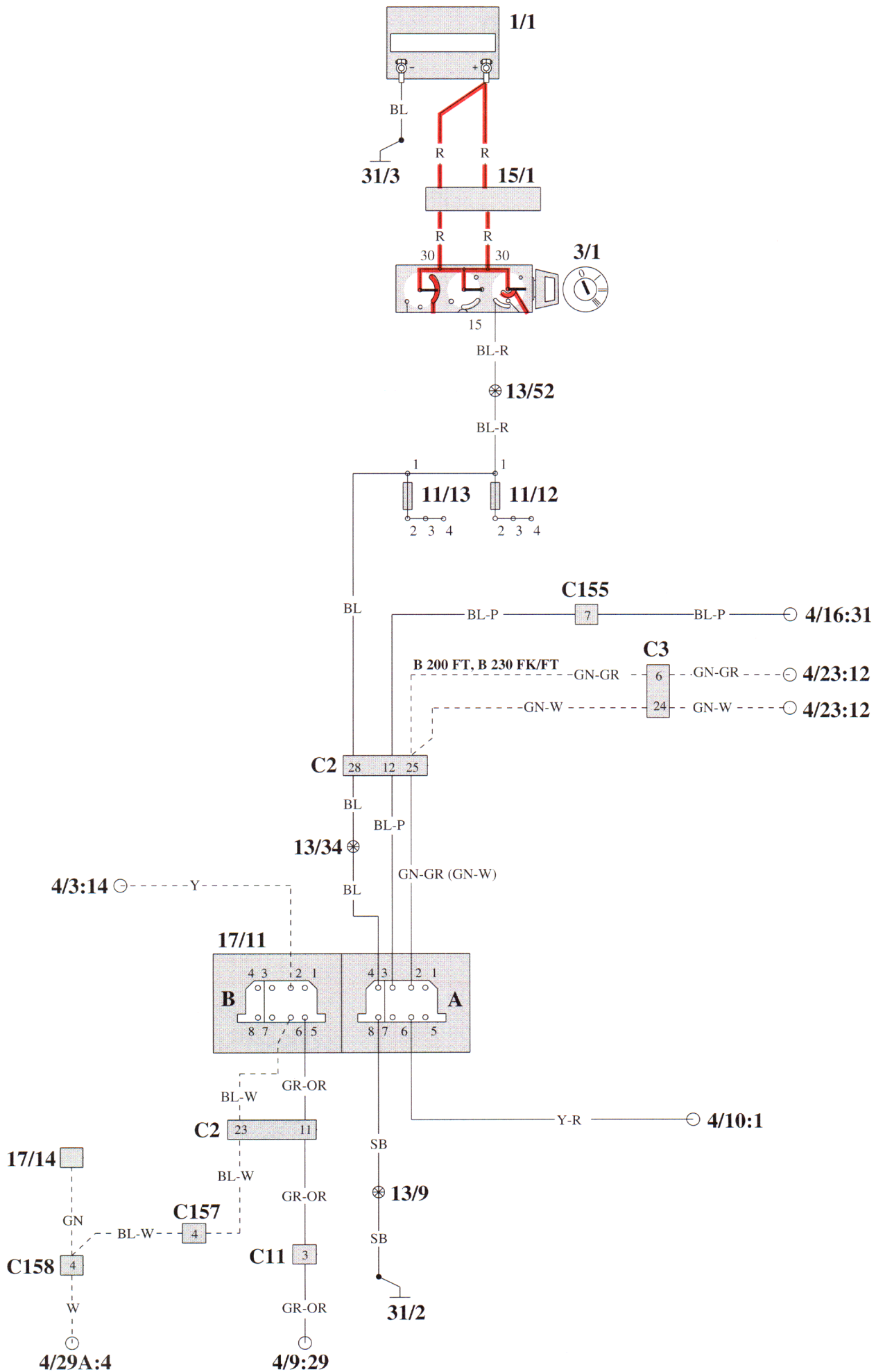


Cigar lighter

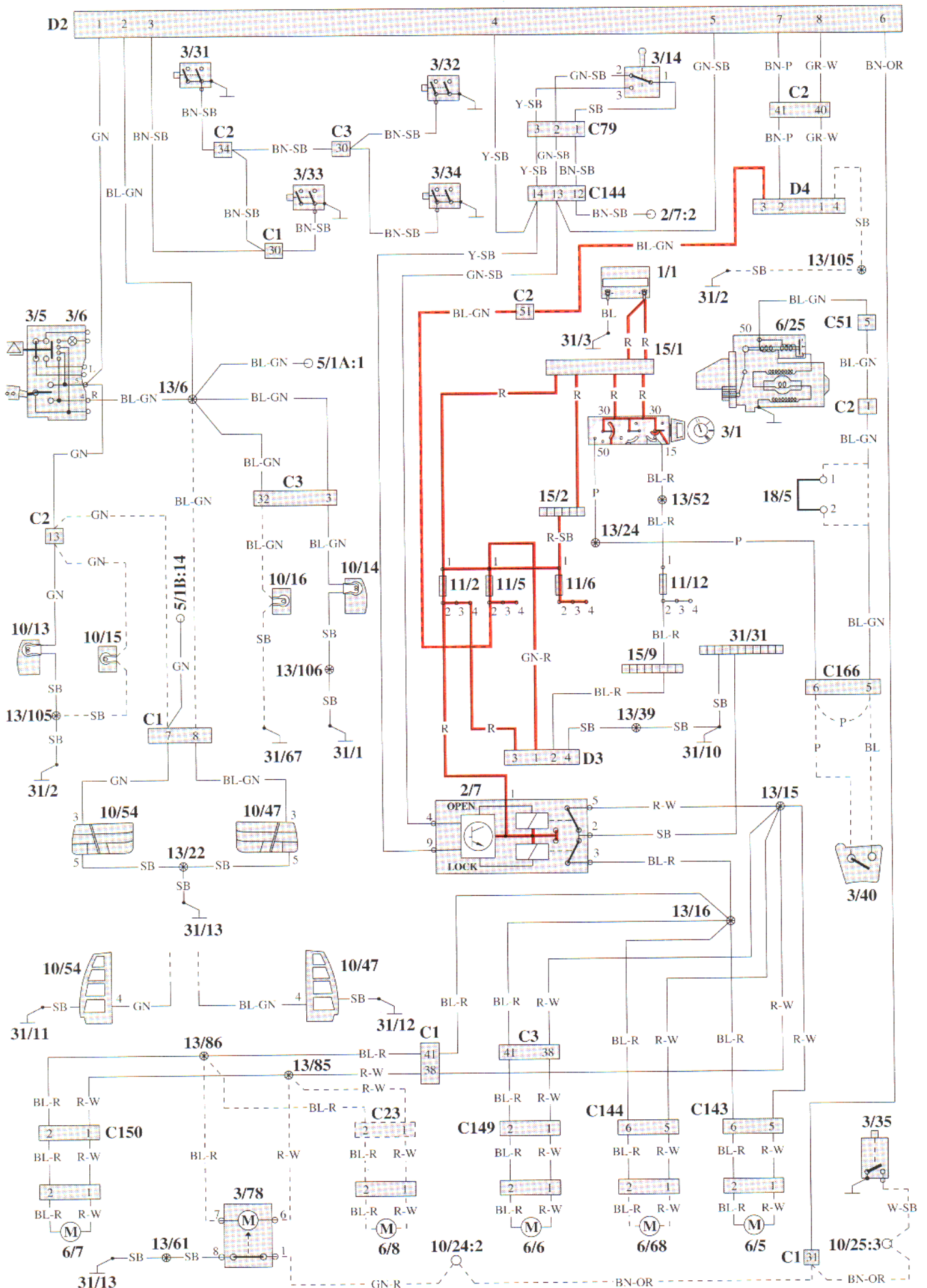
Cigar lighter pushed IN



Diagnostics



Car alarm cable harness



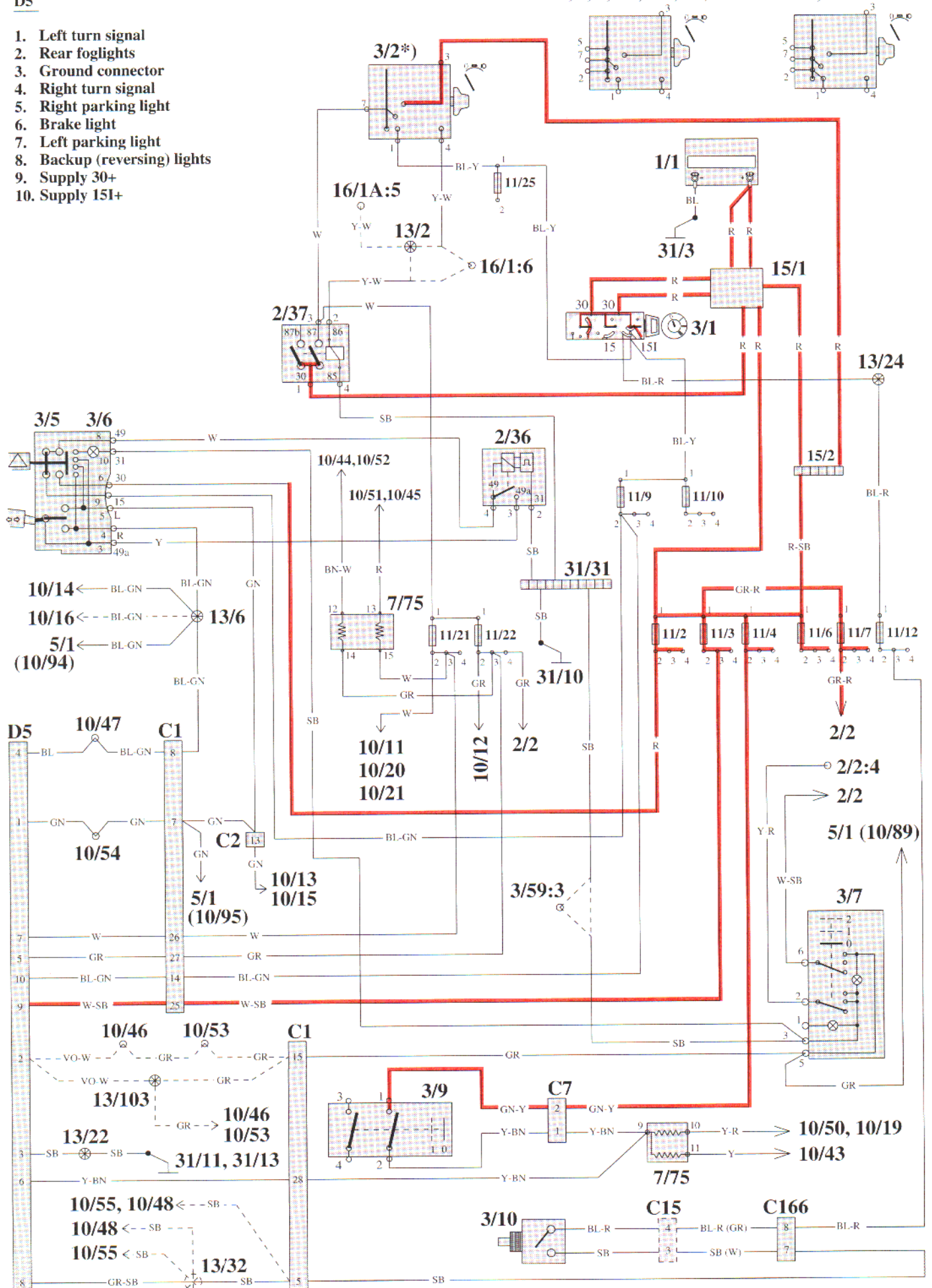
Pre-routed wiring for towing hook

D5

1. Left turn signal
2. Rear foglights
3. Ground connector
4. Right turn signal
5. Right parking light
6. Brake light
7. Left parking light
8. Backup (reversing) lights
9. Supply 30+
10. Supply 15I+

*) S, N, DK, FIN, NL, B:

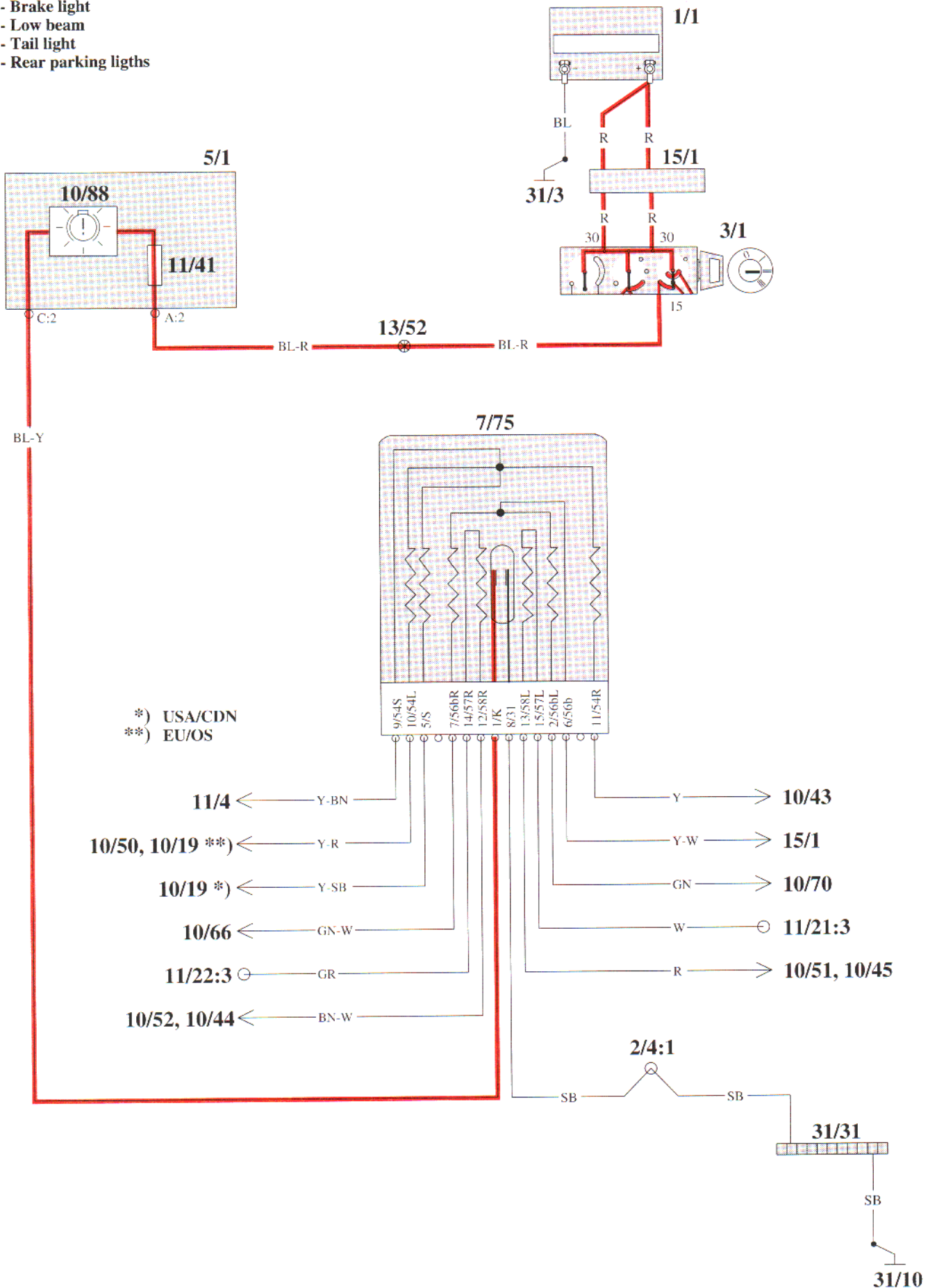
*) GB:



Bulb malfunction indicator

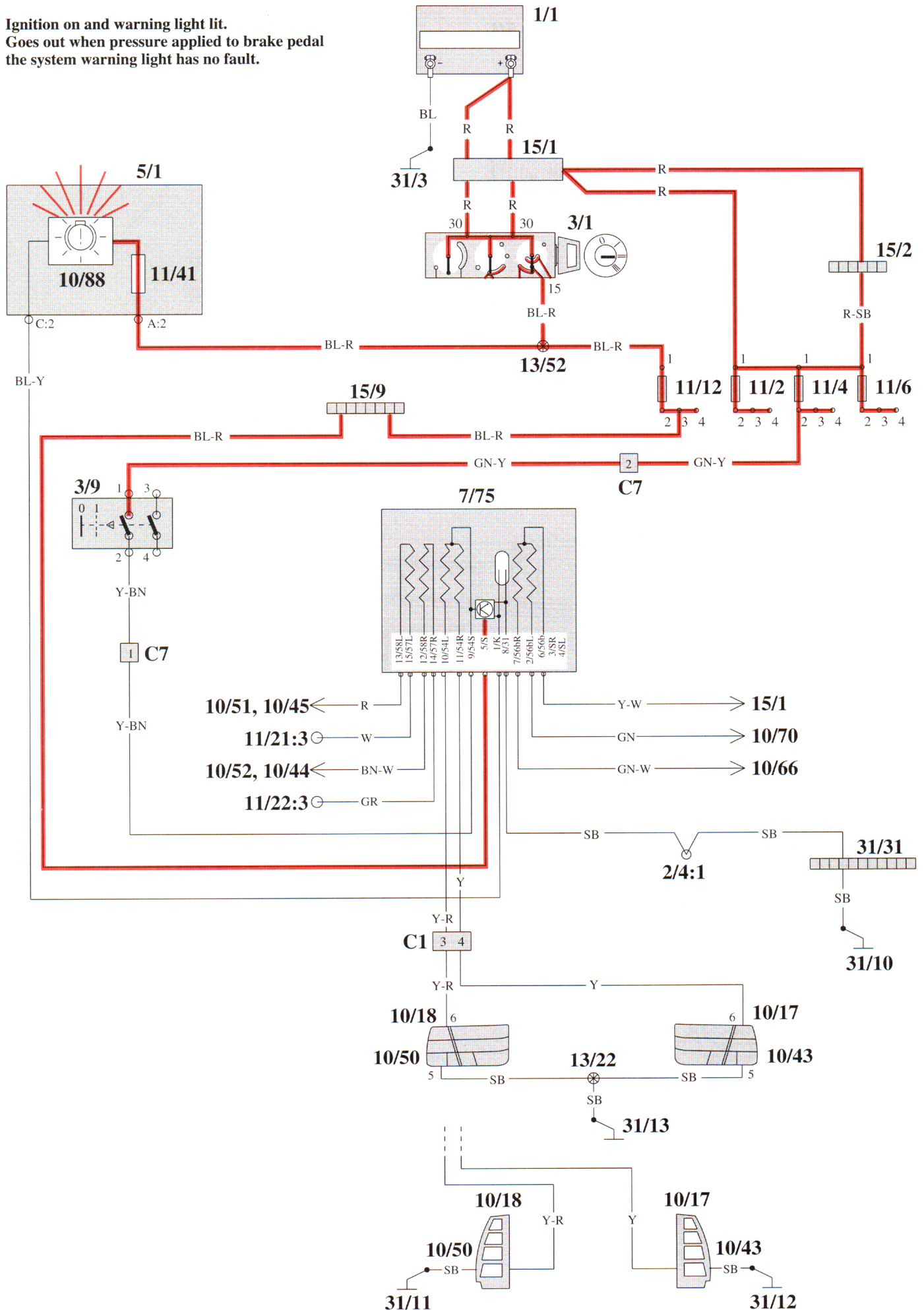
Indicator lamp, 10/88, lights up when a bulb fails in any of the following circuits:

- Brake light
- Low beam
- Tail light
- Rear parking lights



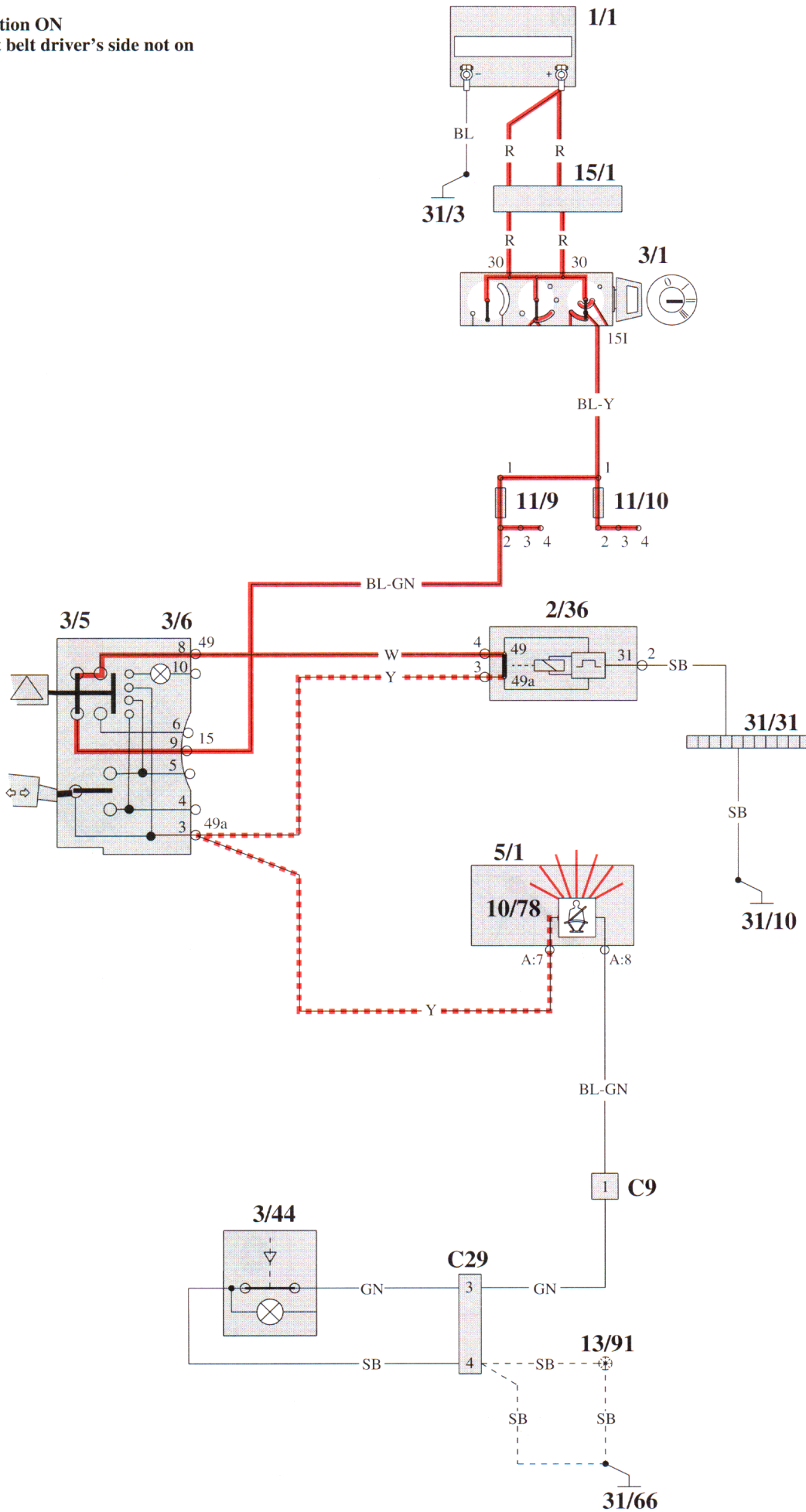
Bulb malfunction indicator with brake monitor

Ignition on and warning light lit.
Goes out when pressure applied to brake pedal
the system warning light has no fault.



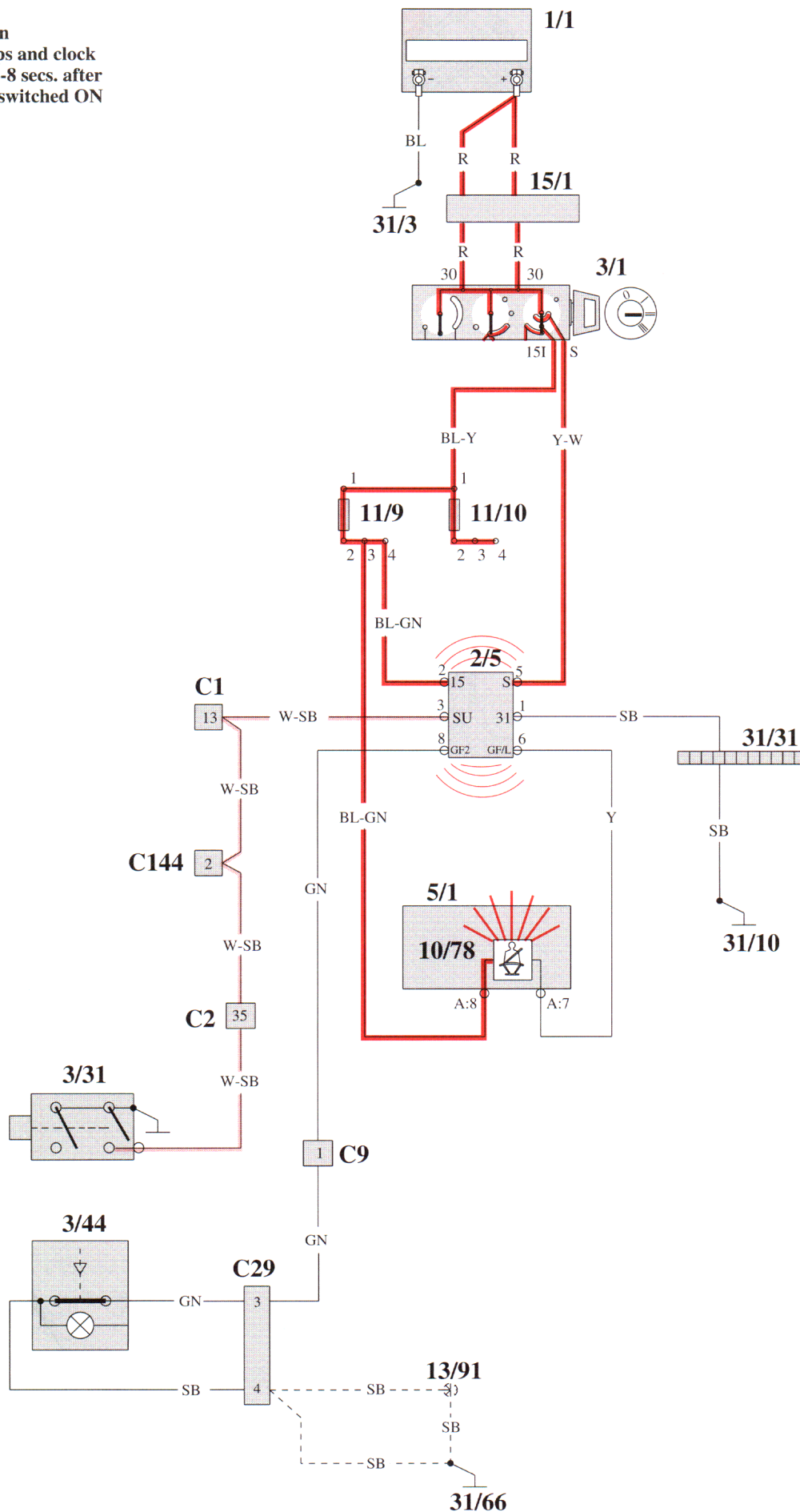
Seat belt reminder

Ignition ON
Seat belt driver's side not on

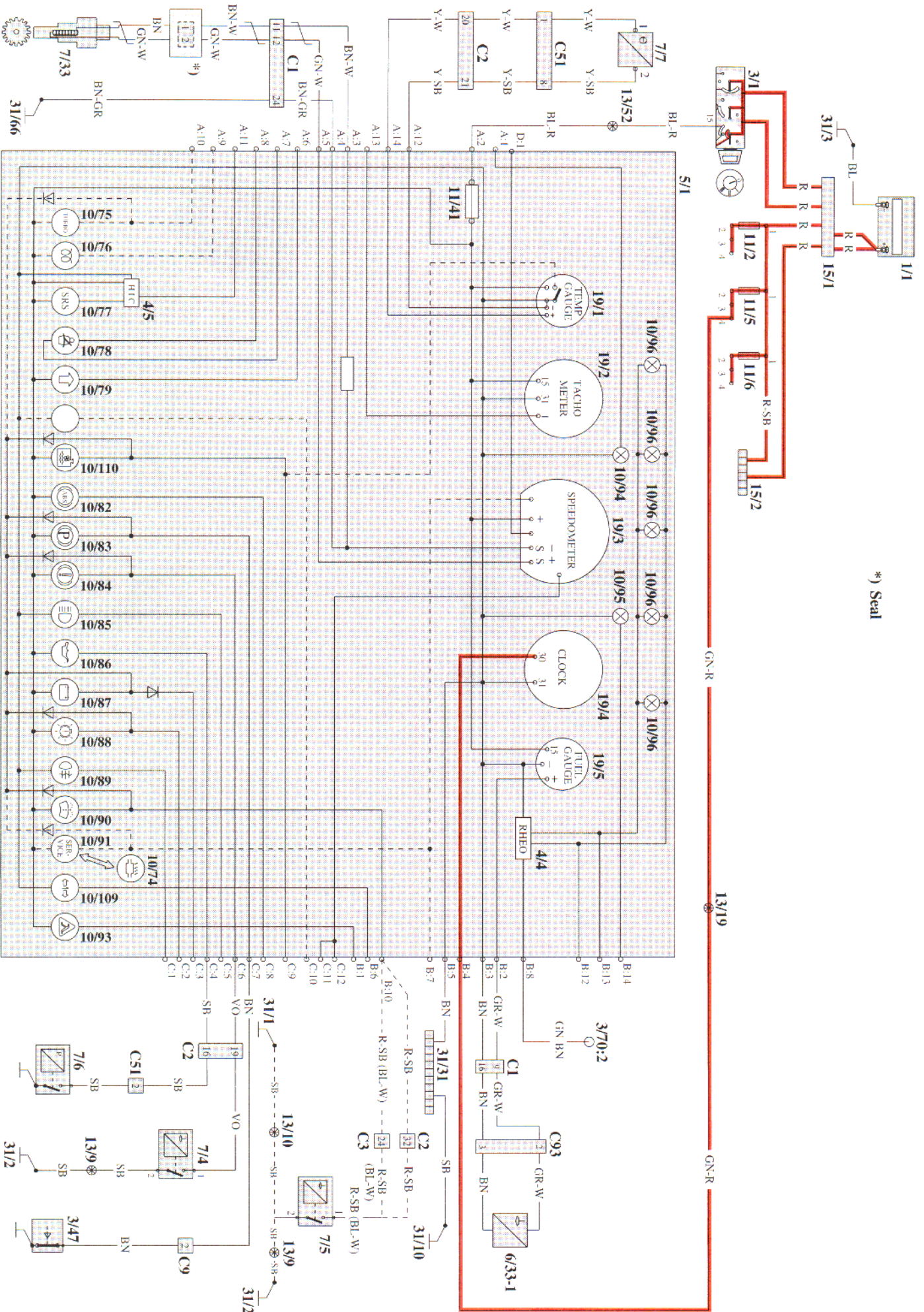


Seat belt reminder with ignition key warning, USA, Canada, Korea

Ignition ON
 Seat belt not on
 Indicator lamps and clock
 activated for 4-8 secs. after
 the ignition is switched ON

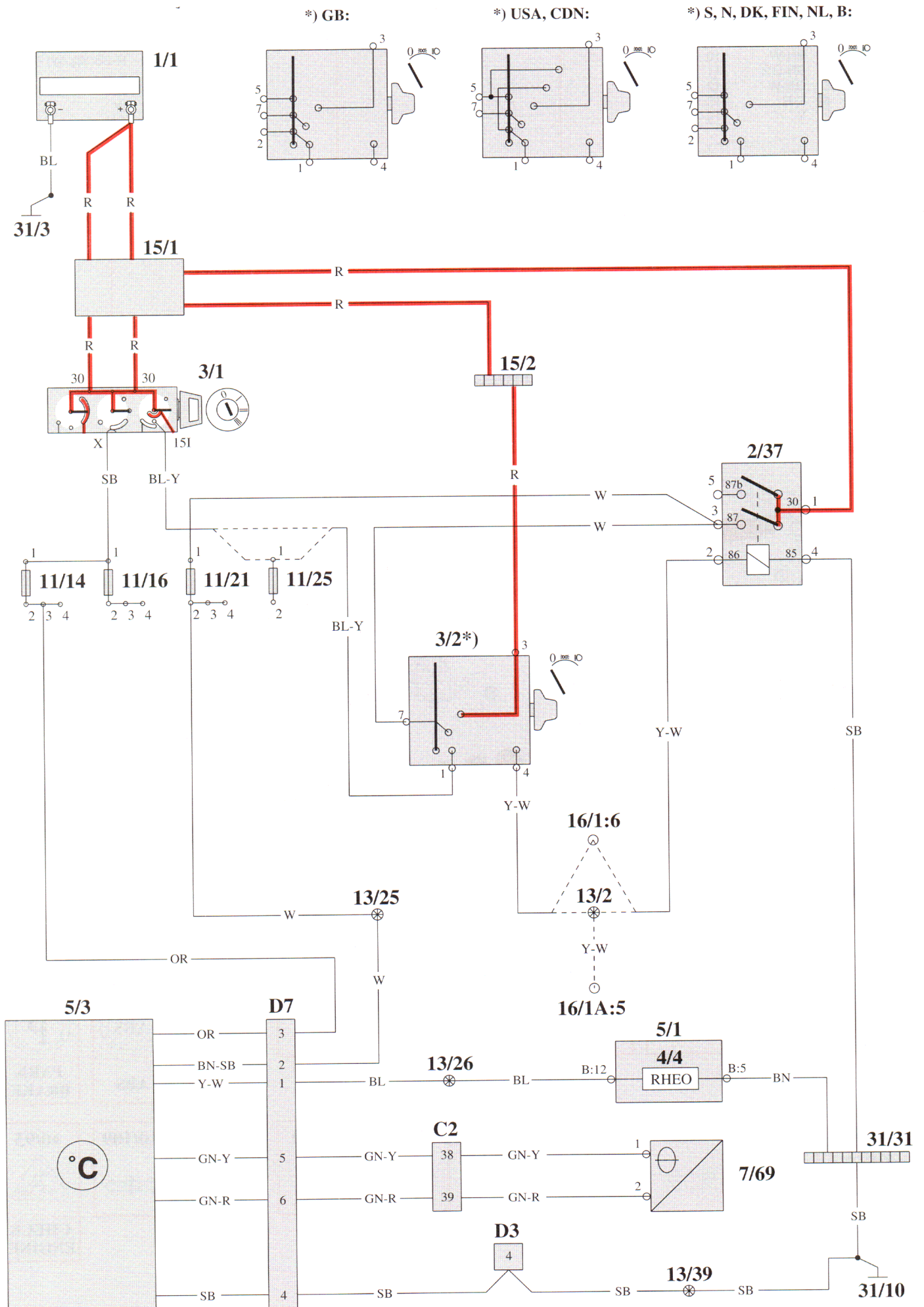


Combined instrument

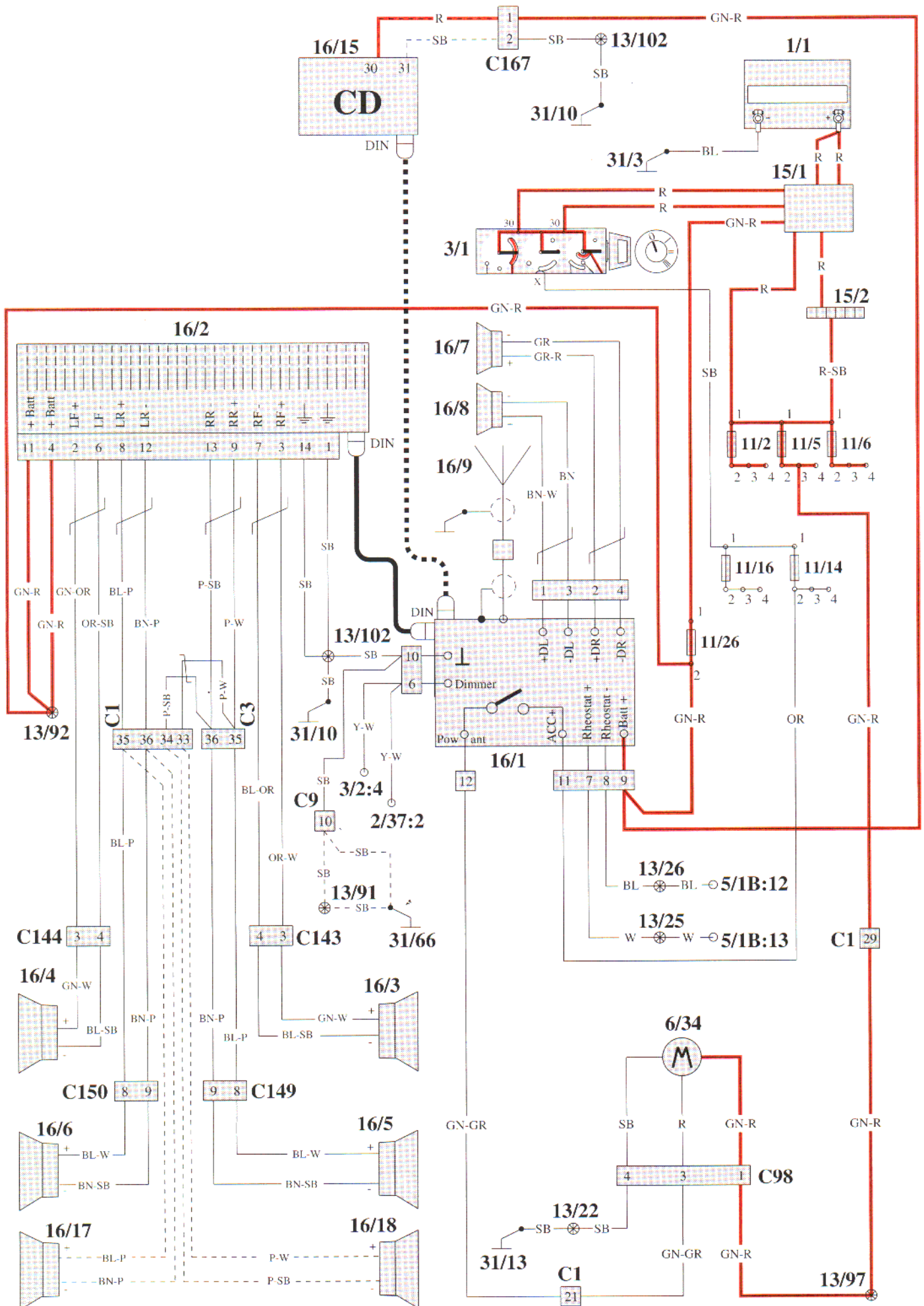


*) Seal

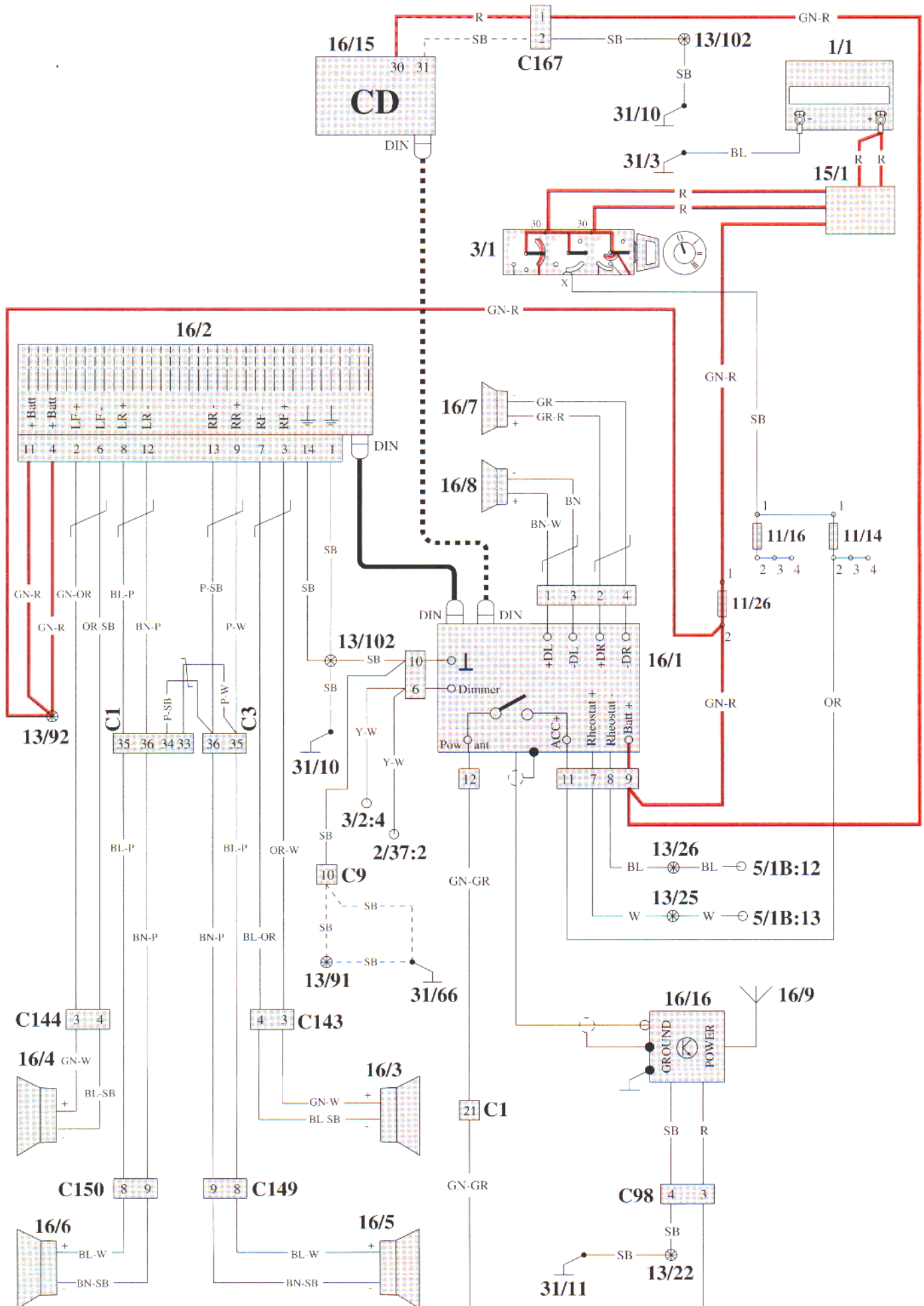
Outer temperature sensor



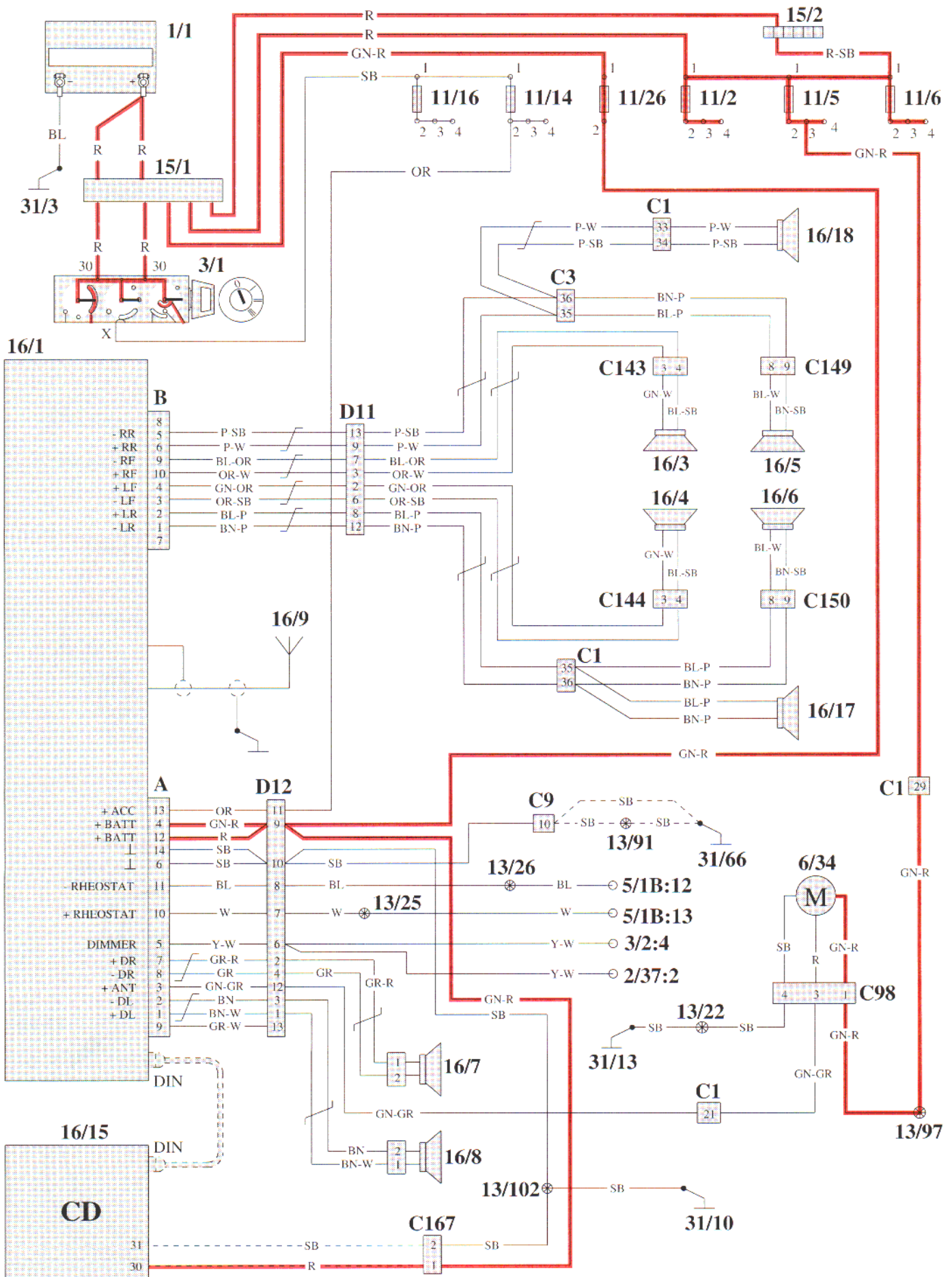
Radio connections, 4-door (Radio with separate amplifier)



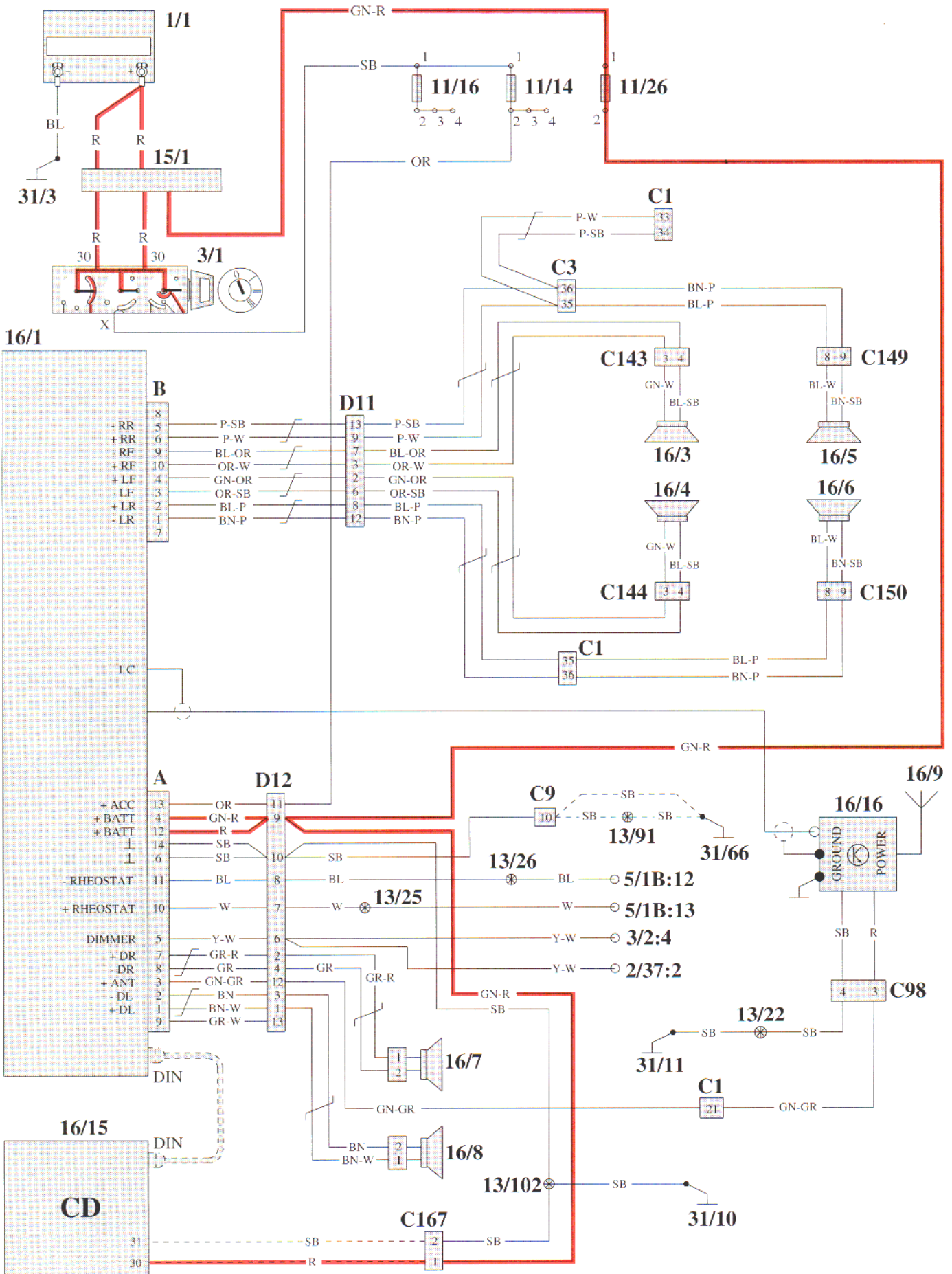
Radio connections, 5-door (Radio with separate amplifier)



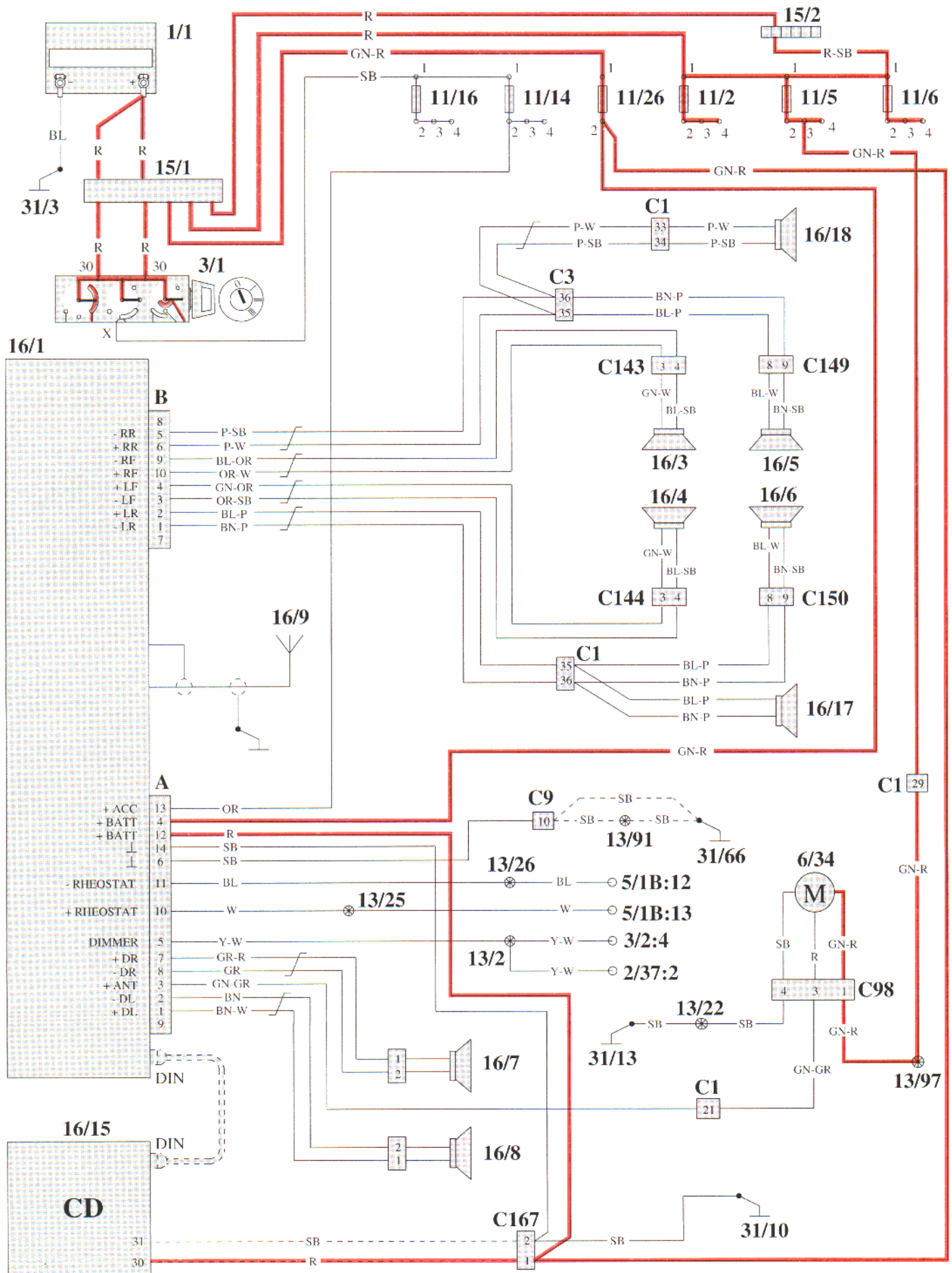
Radio connections, 4-door (Radio with integral amplifier)



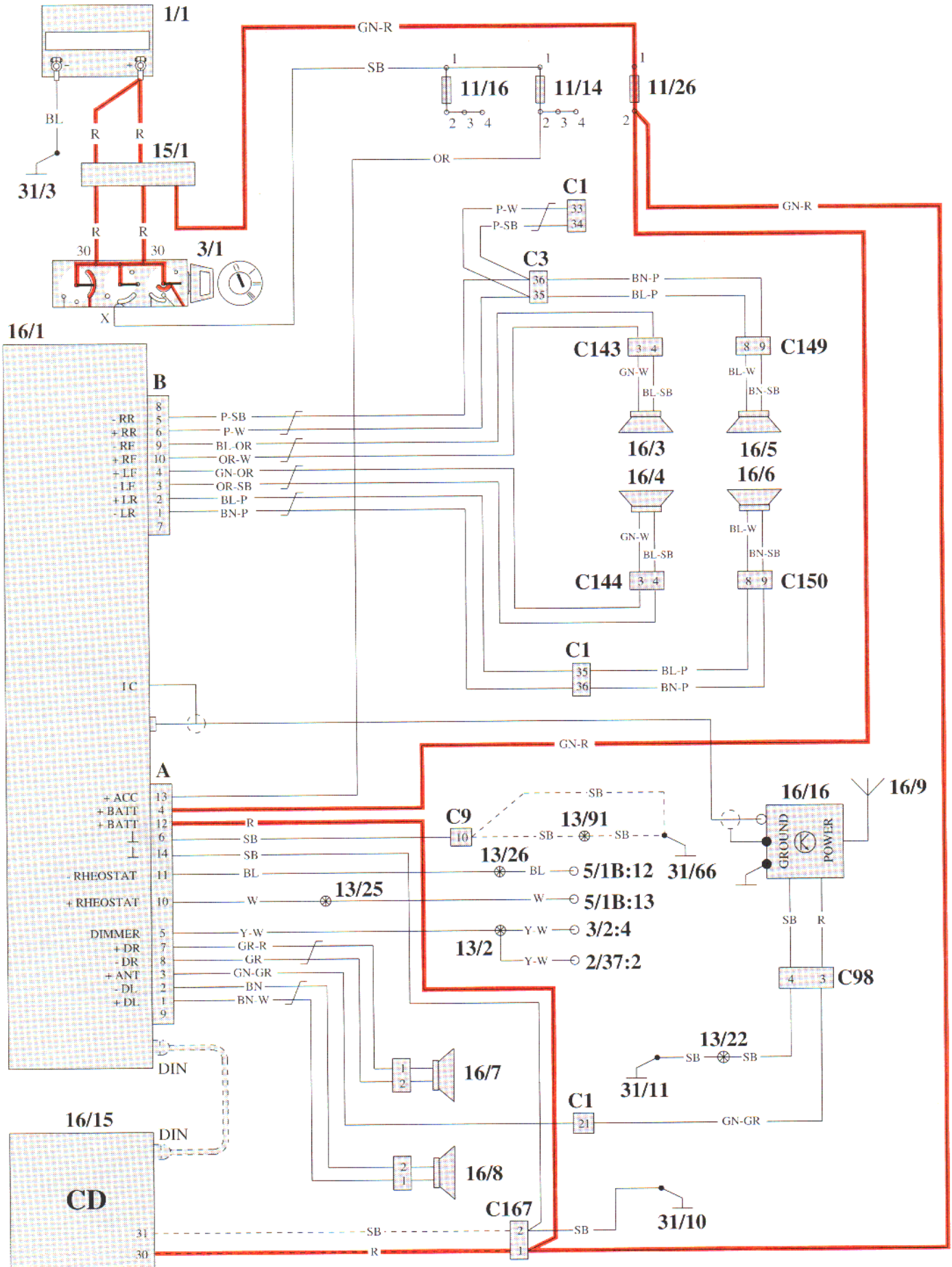
Radio connections, 5-door (Radio with integral amplifier)



Radio connections, 4-door (Radio with integral amplifier) USA, Canada



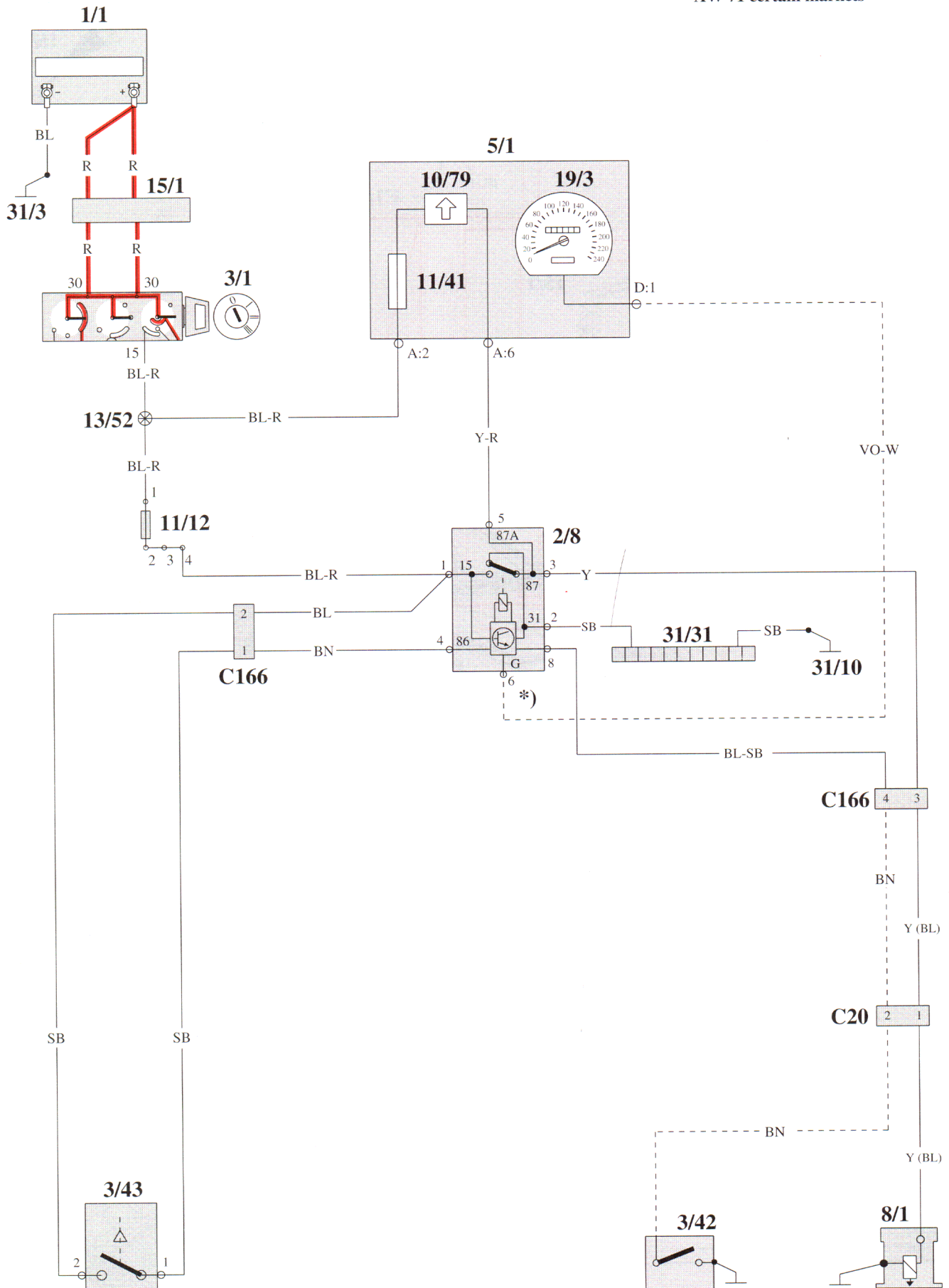
Radio connections, 5-door (Radio with integral amplifier) USA, Canada



AW 70/71 Overdrive with kickdown inhibitor AW 71

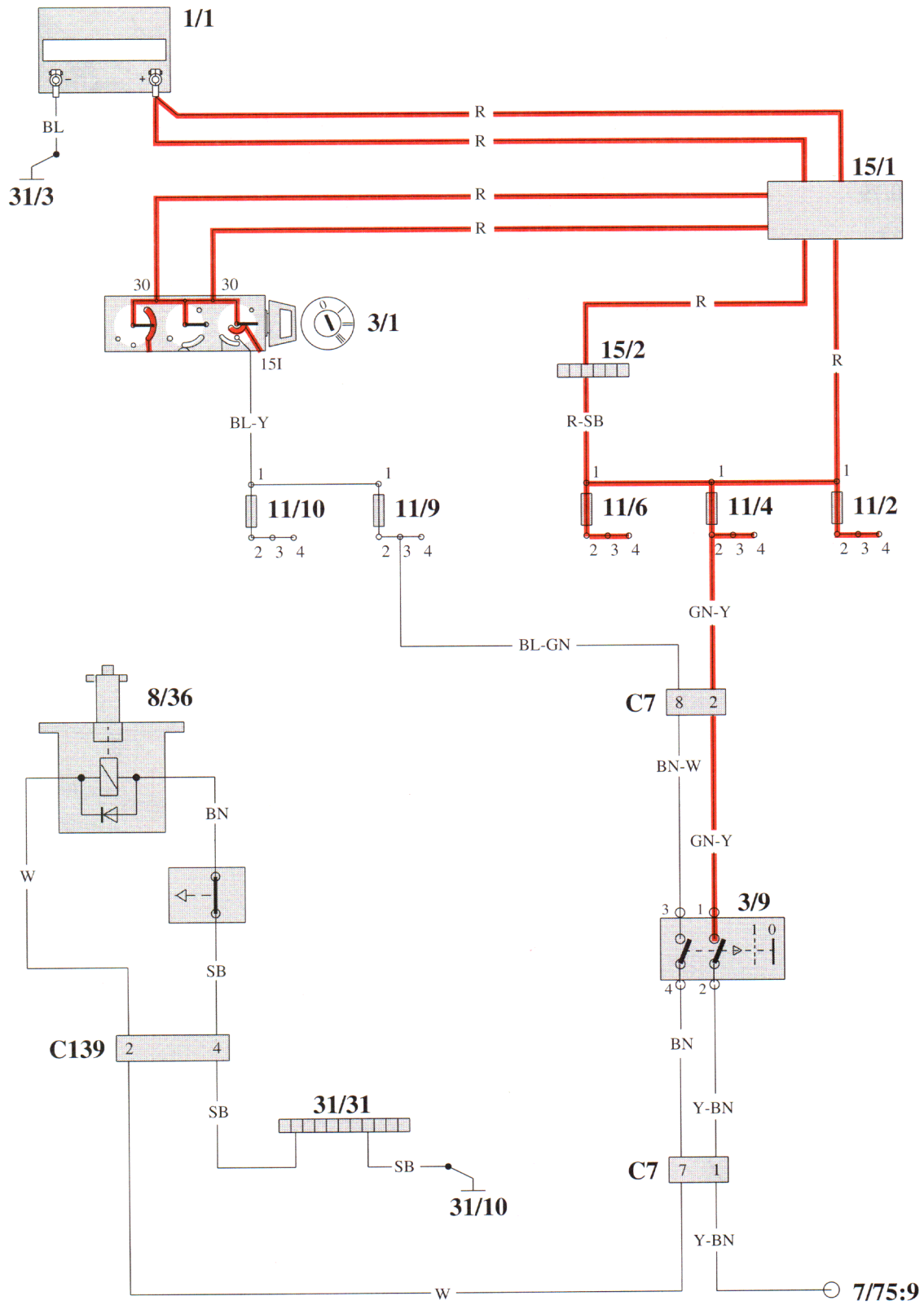
For function diagram, refer to page 202.

* AW 71 certain markets

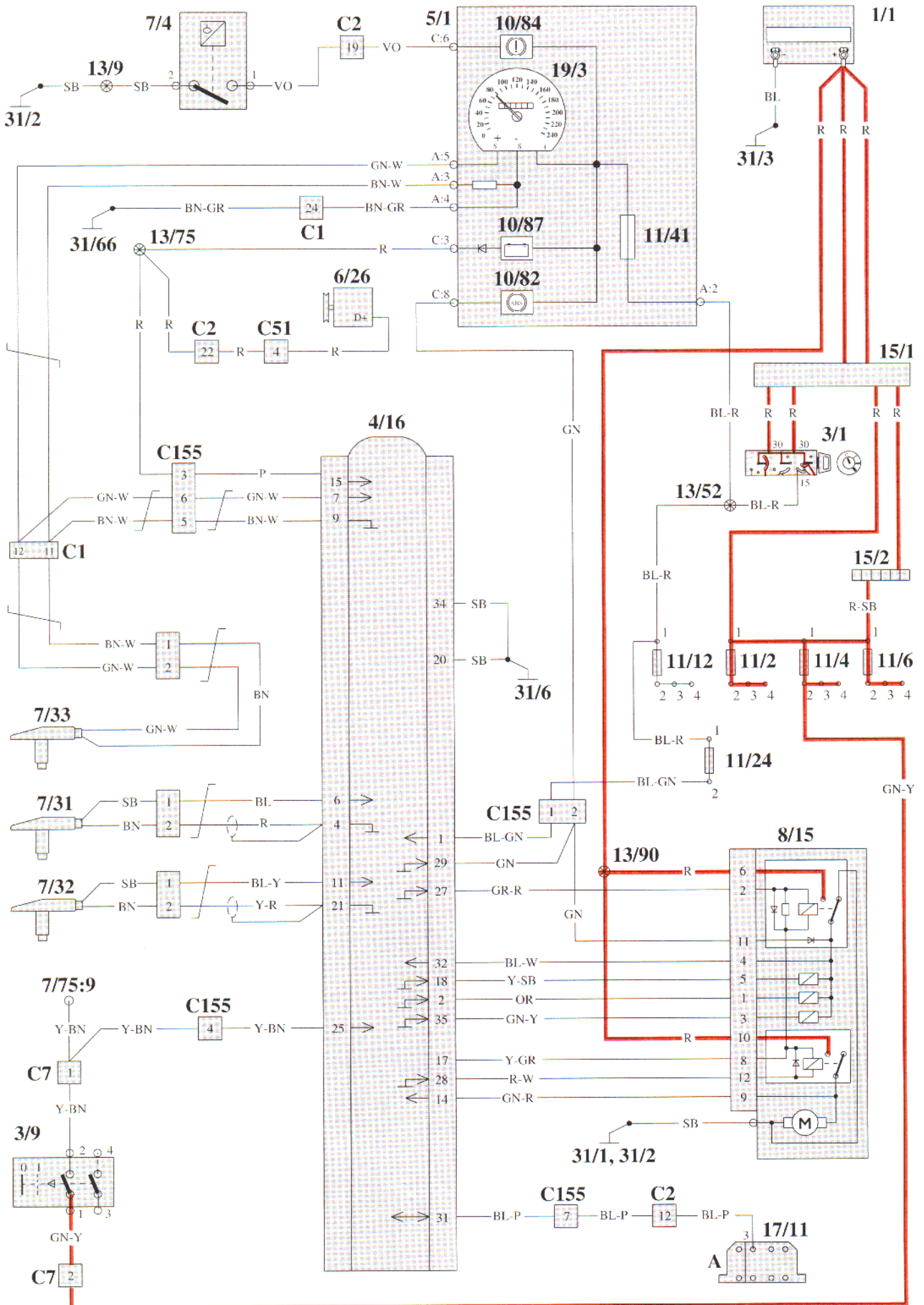


P-shift lock, automatic transmission

For function diagram, refer to page 203.

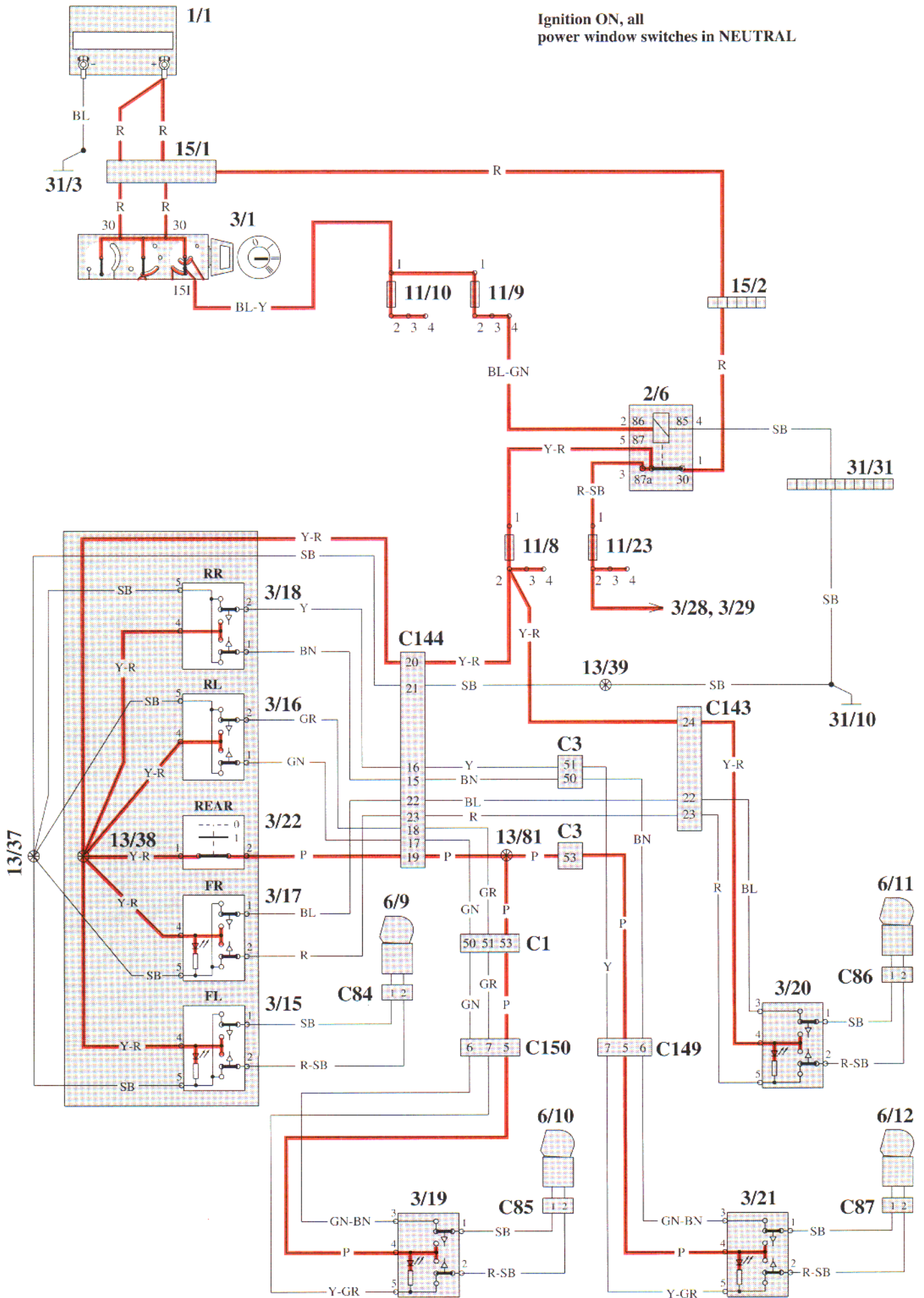


Anti-lock braking system ABS



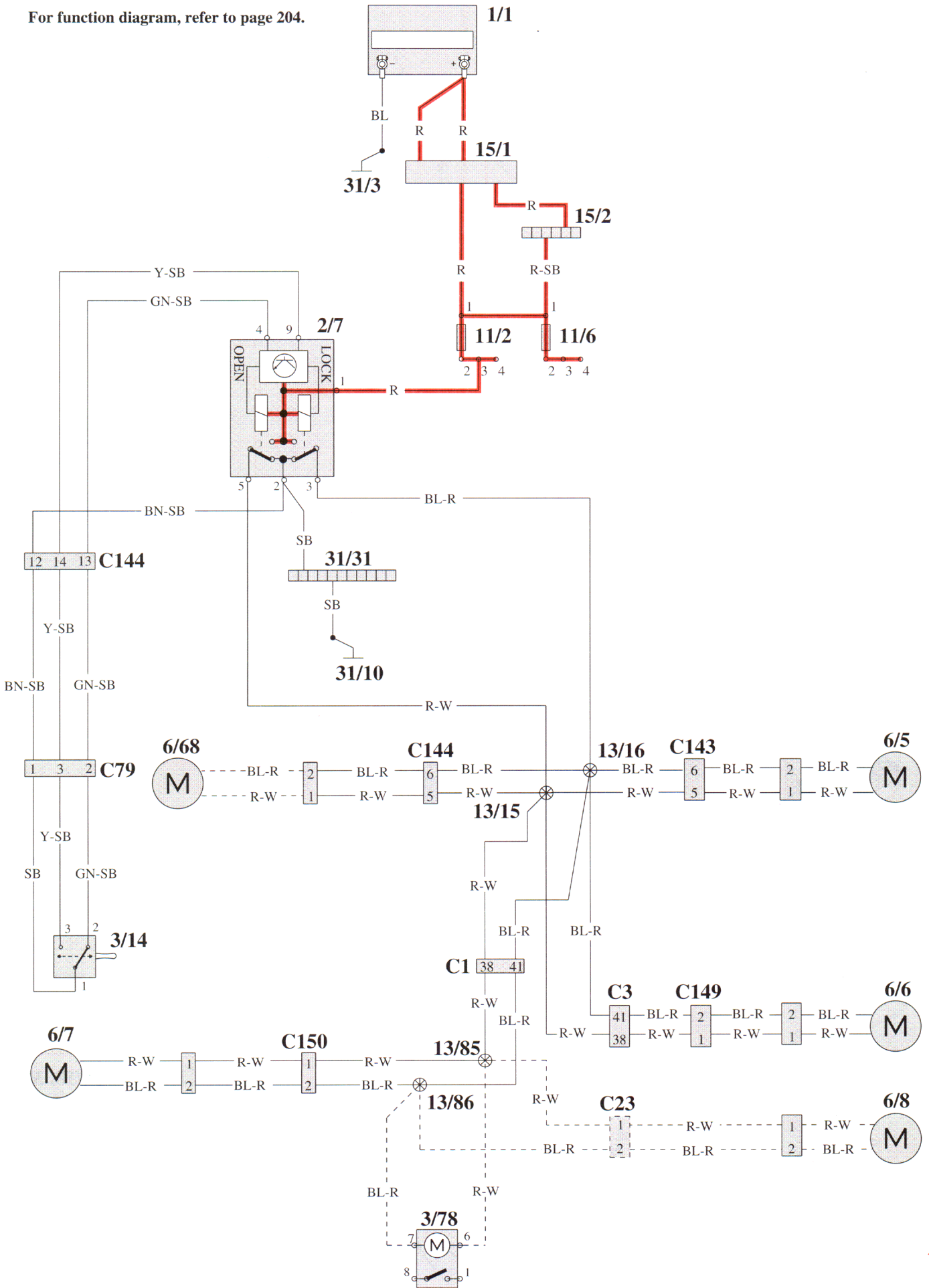
Power window lifts

Ignition ON, all power window switches in NEUTRAL

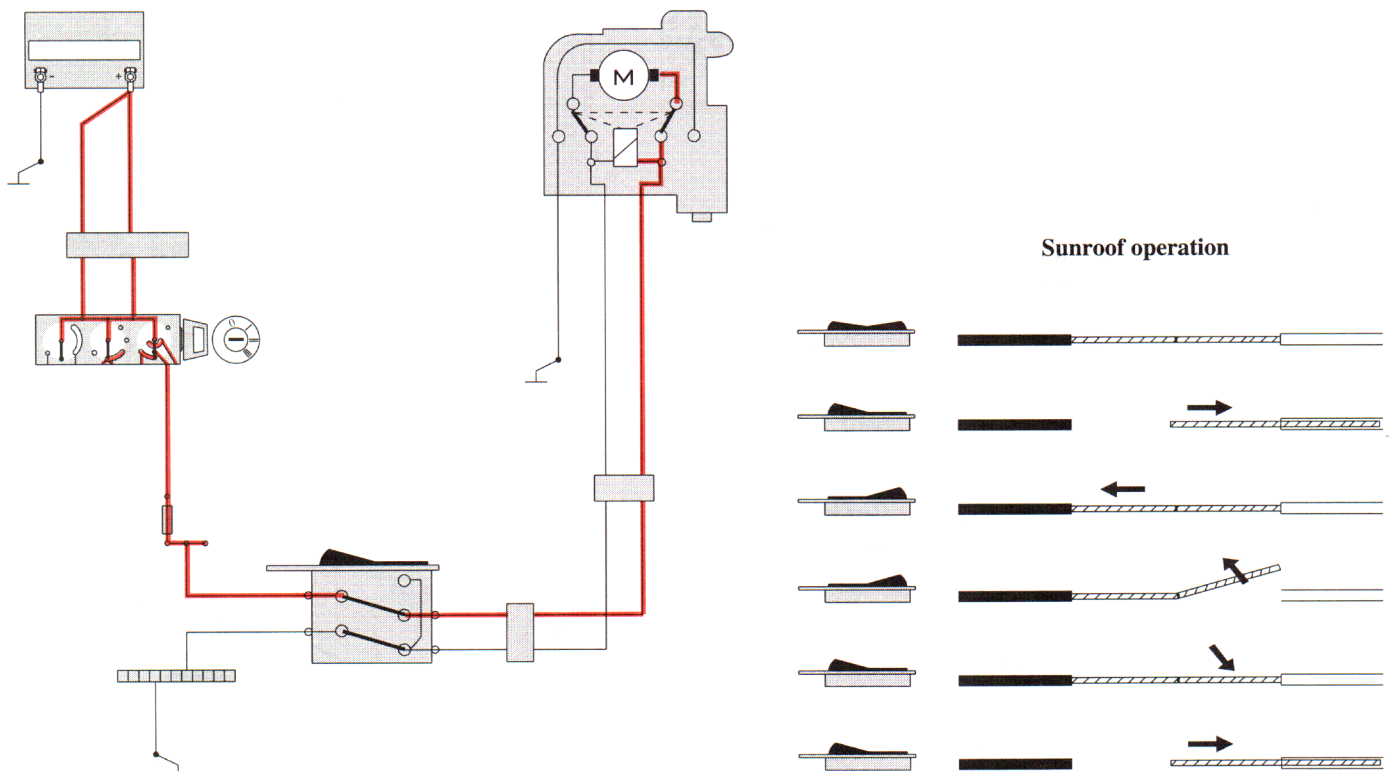
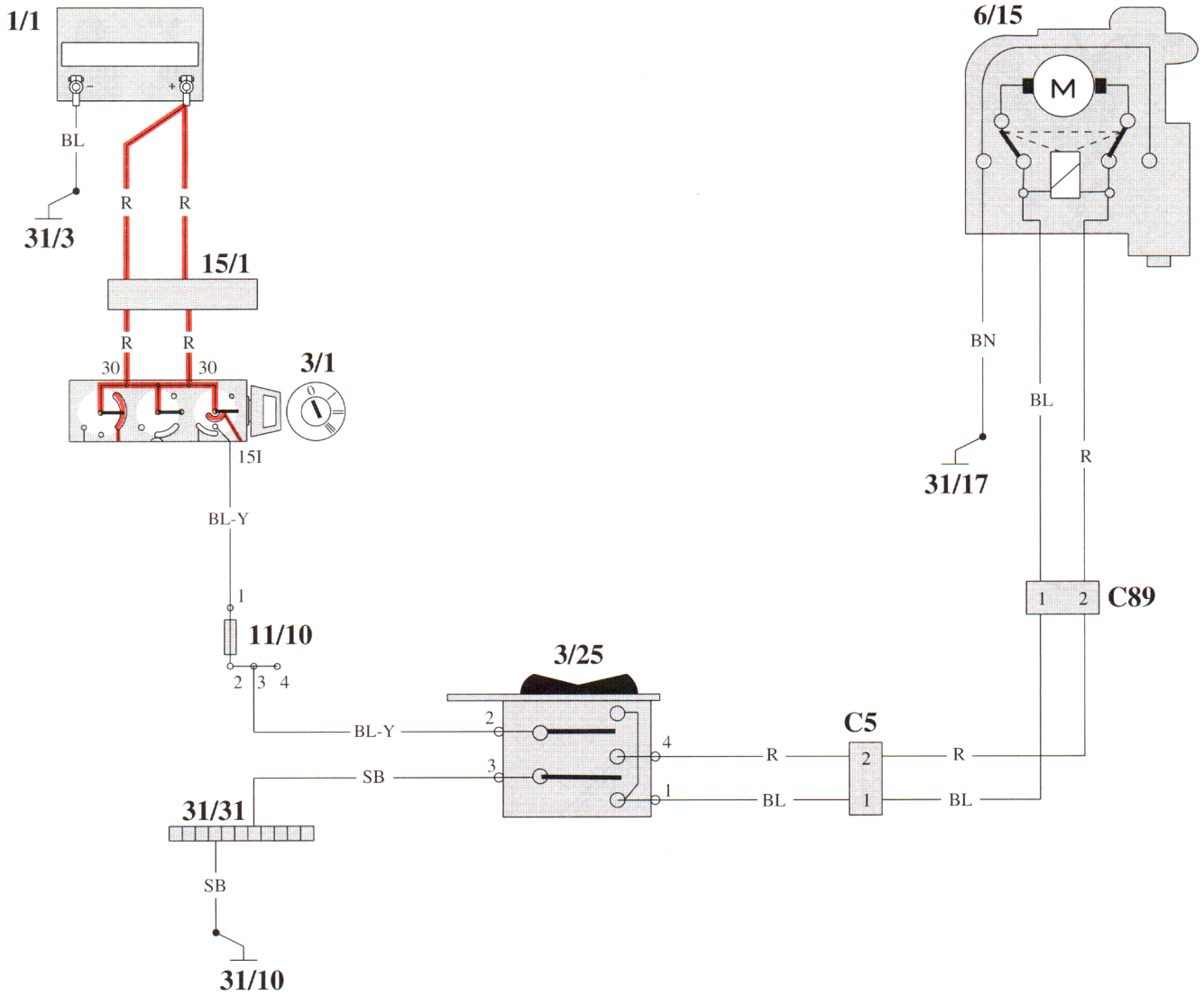


Central locking

For function diagram, refer to page 204.

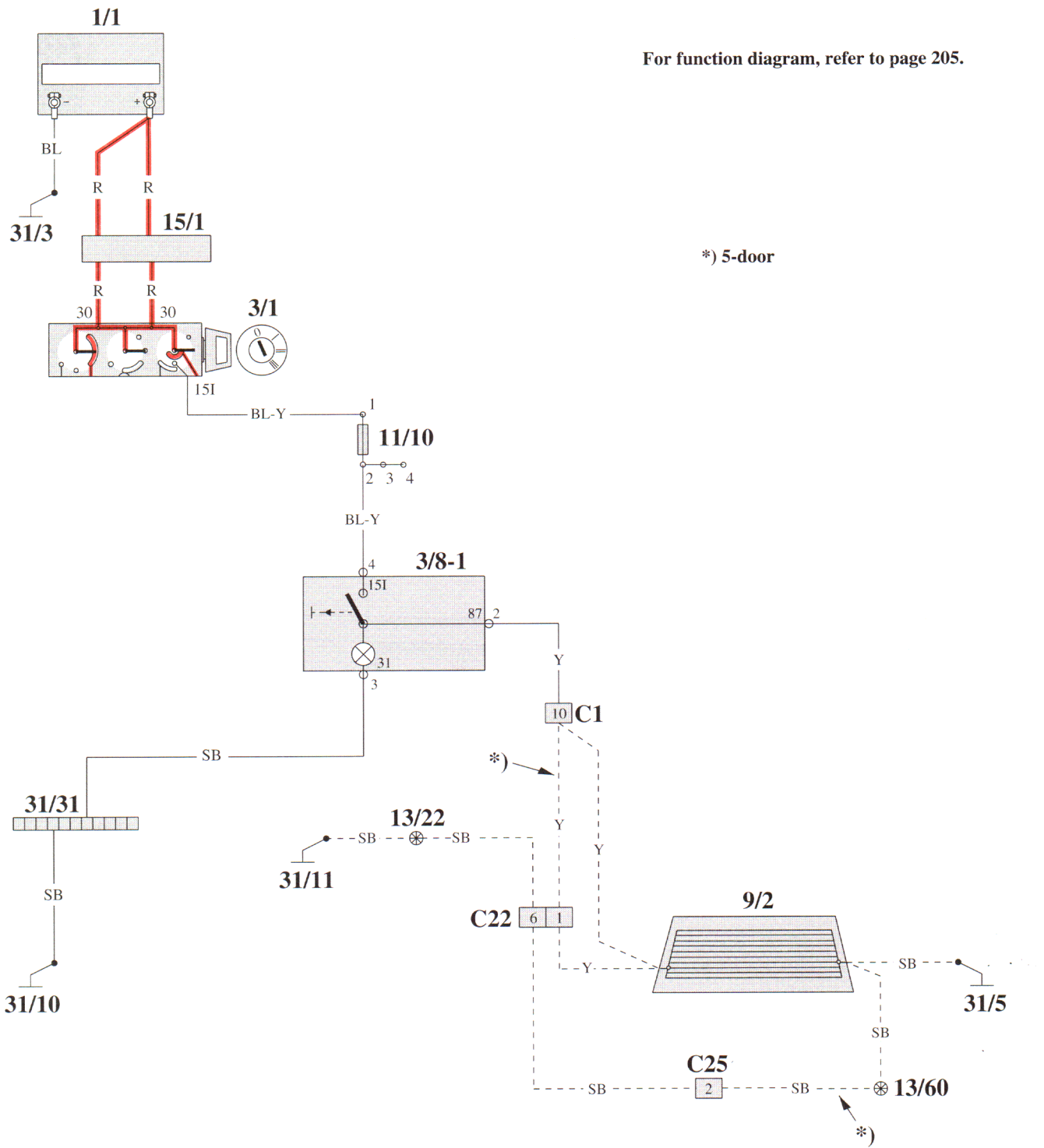


Power sunroof



Heated rear window

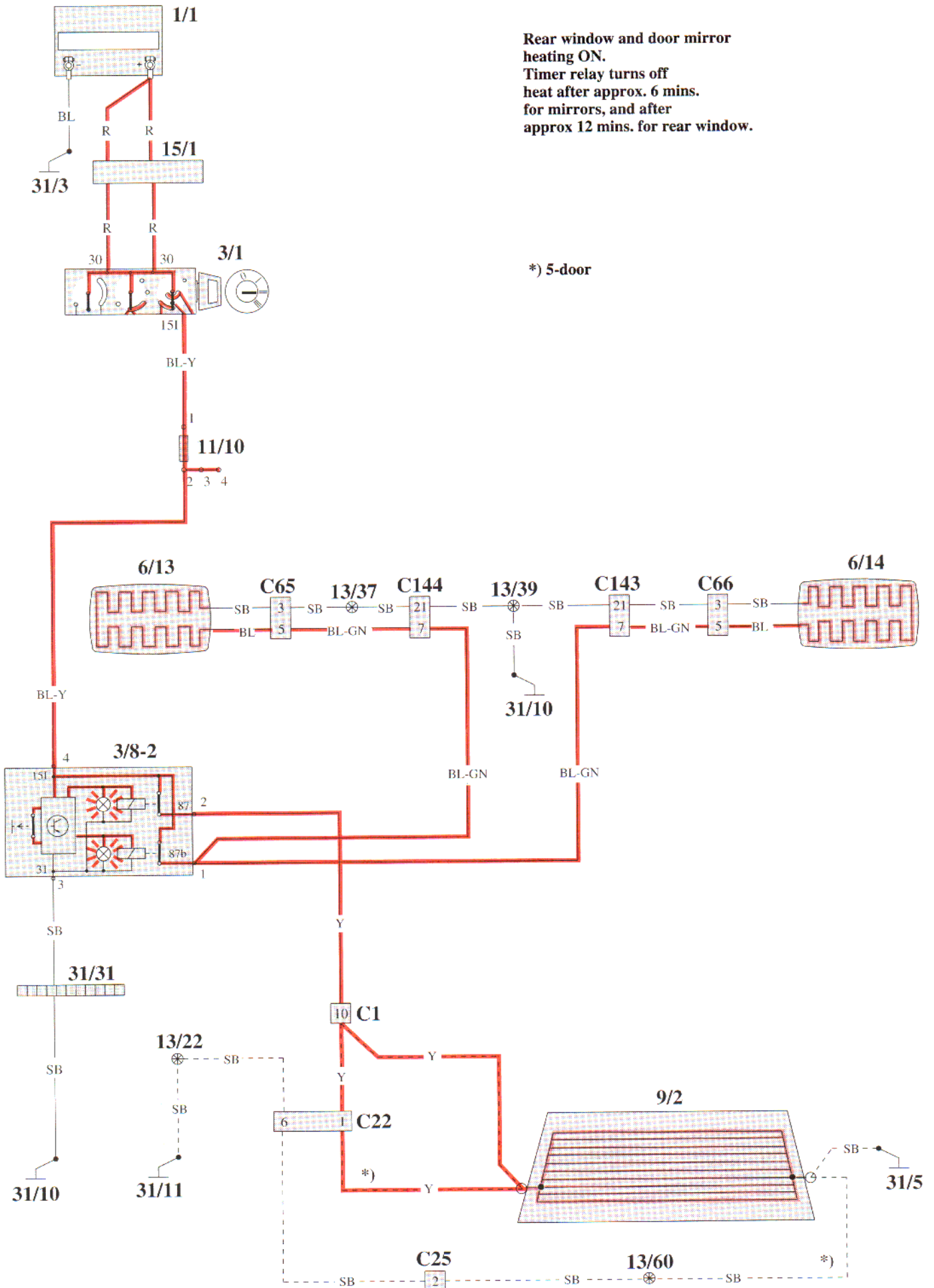
For function diagram, refer to page 205.



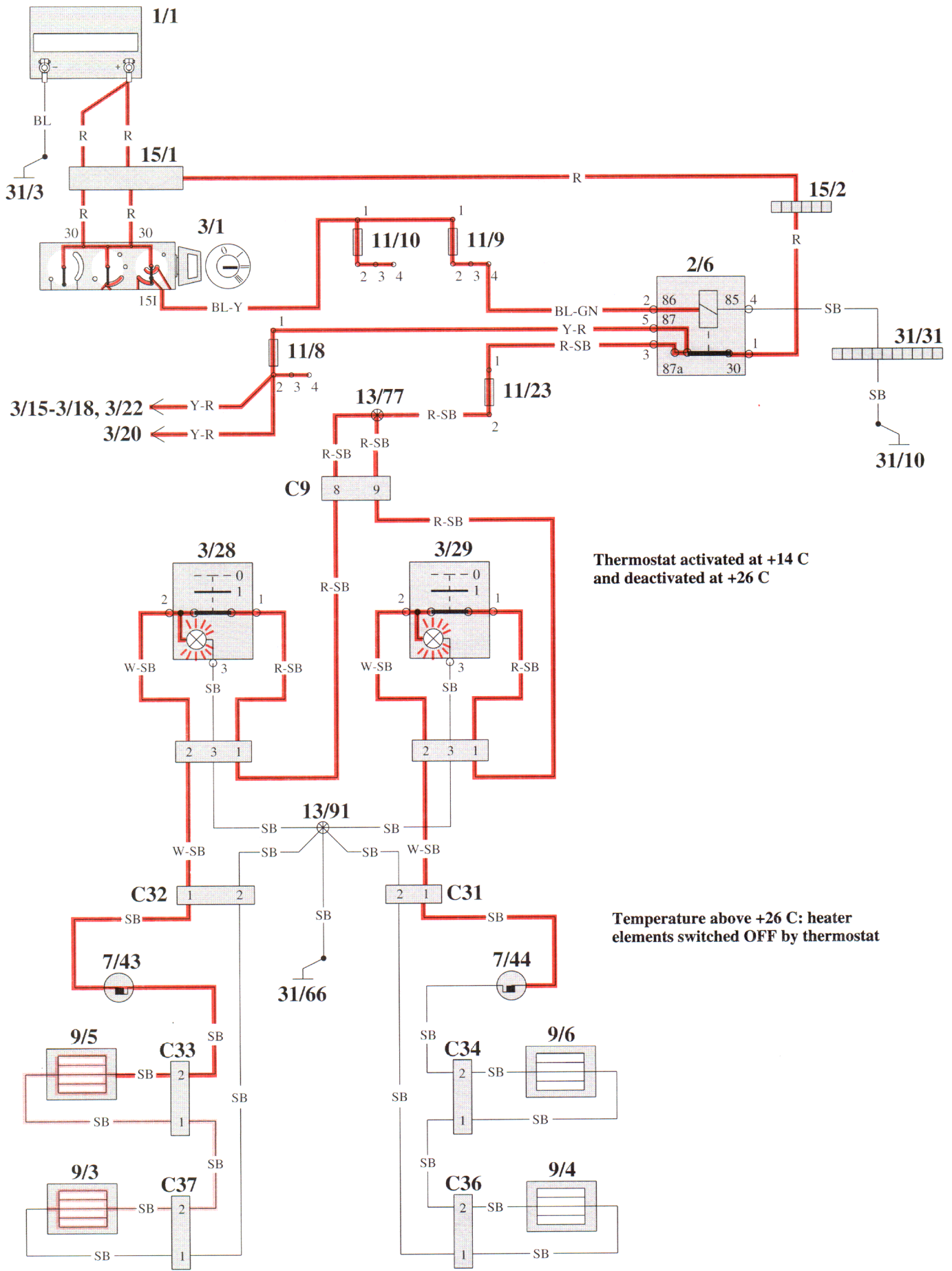
Heated rear window and door mirrors with timer relay

Rear window and door mirror heating ON.
 Timer relay turns off heat after approx. 6 mins. for mirrors, and after approx 12 mins. for rear window.

*) 5-door



Heated driver's/passenger's seat, normal output

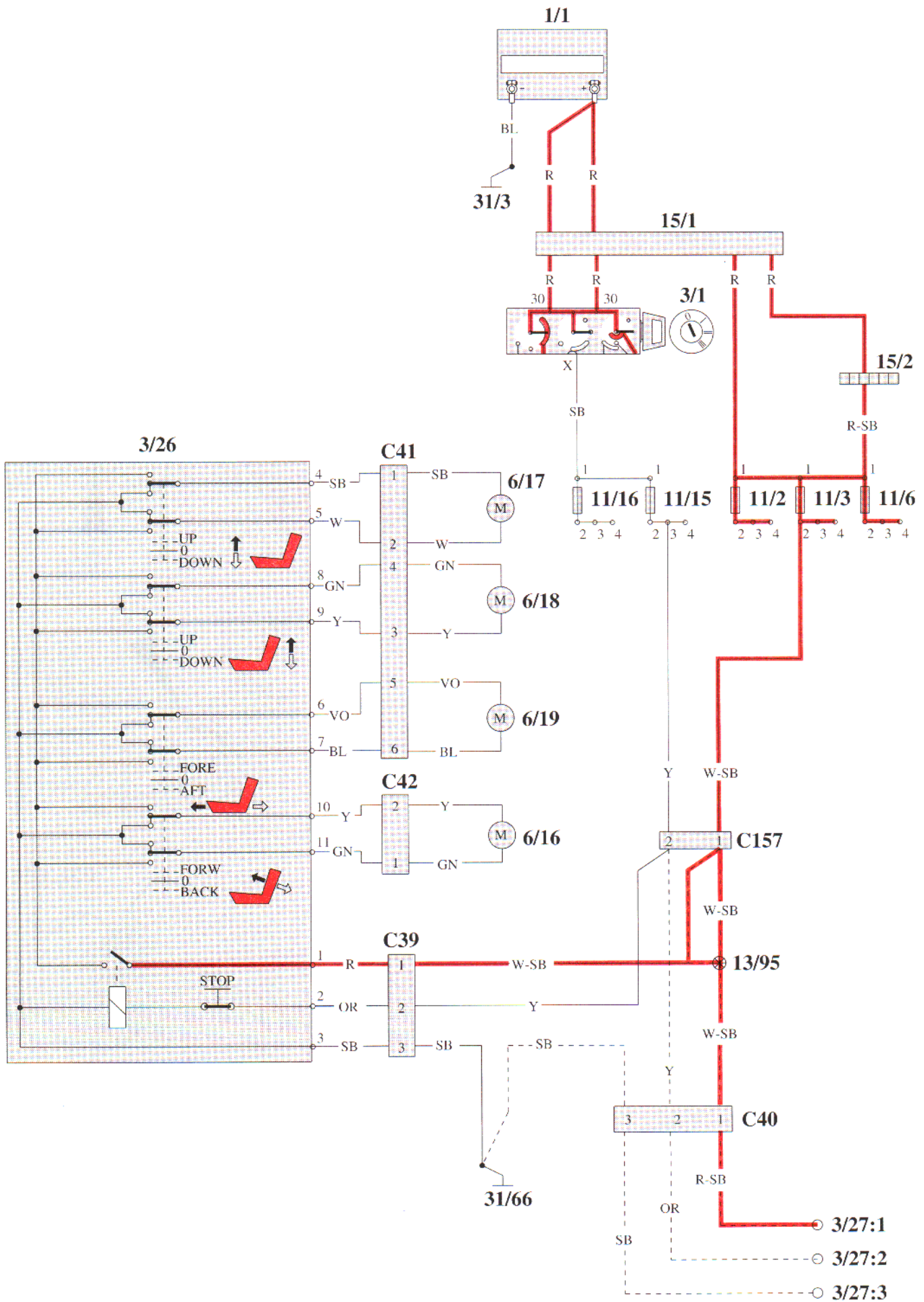


Thermostat activated at +14 C
and deactivated at +26 C

Temperature above +26 C: heater
elements switched OFF by thermostat

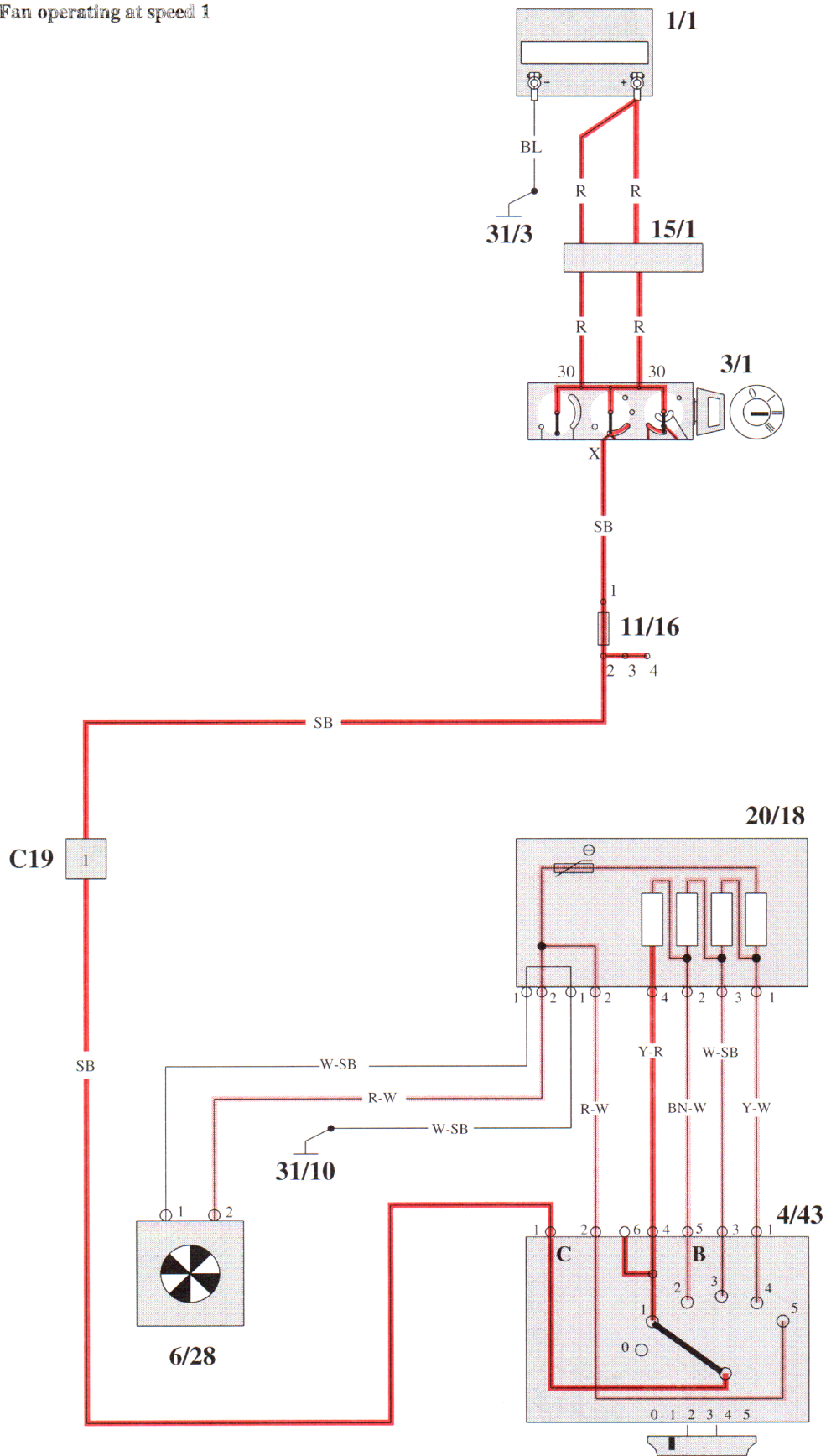
Ignition ON and passenger's
seat also ON

Power seat

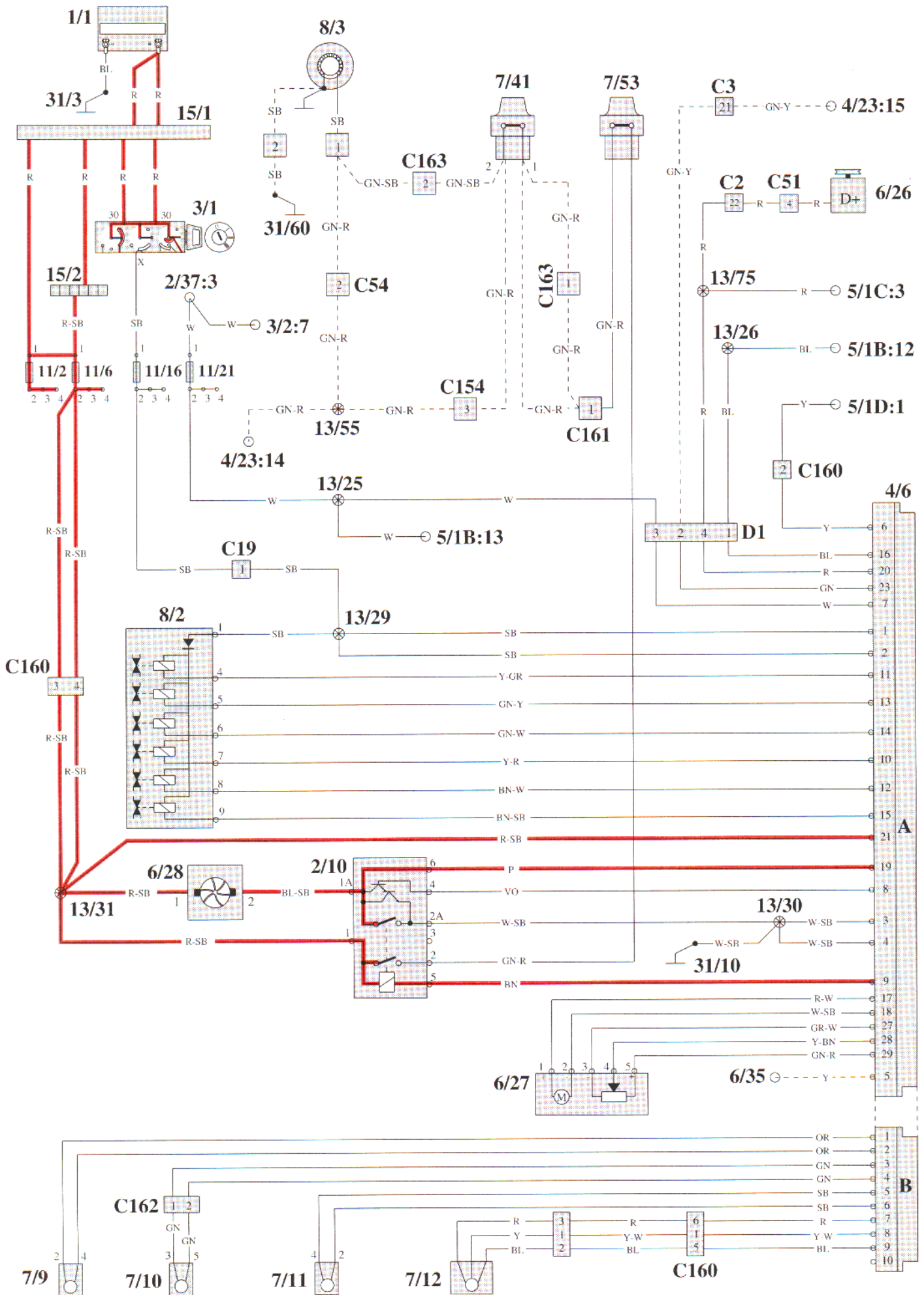


Cabin fan, standard heater

Fan operating at speed 1

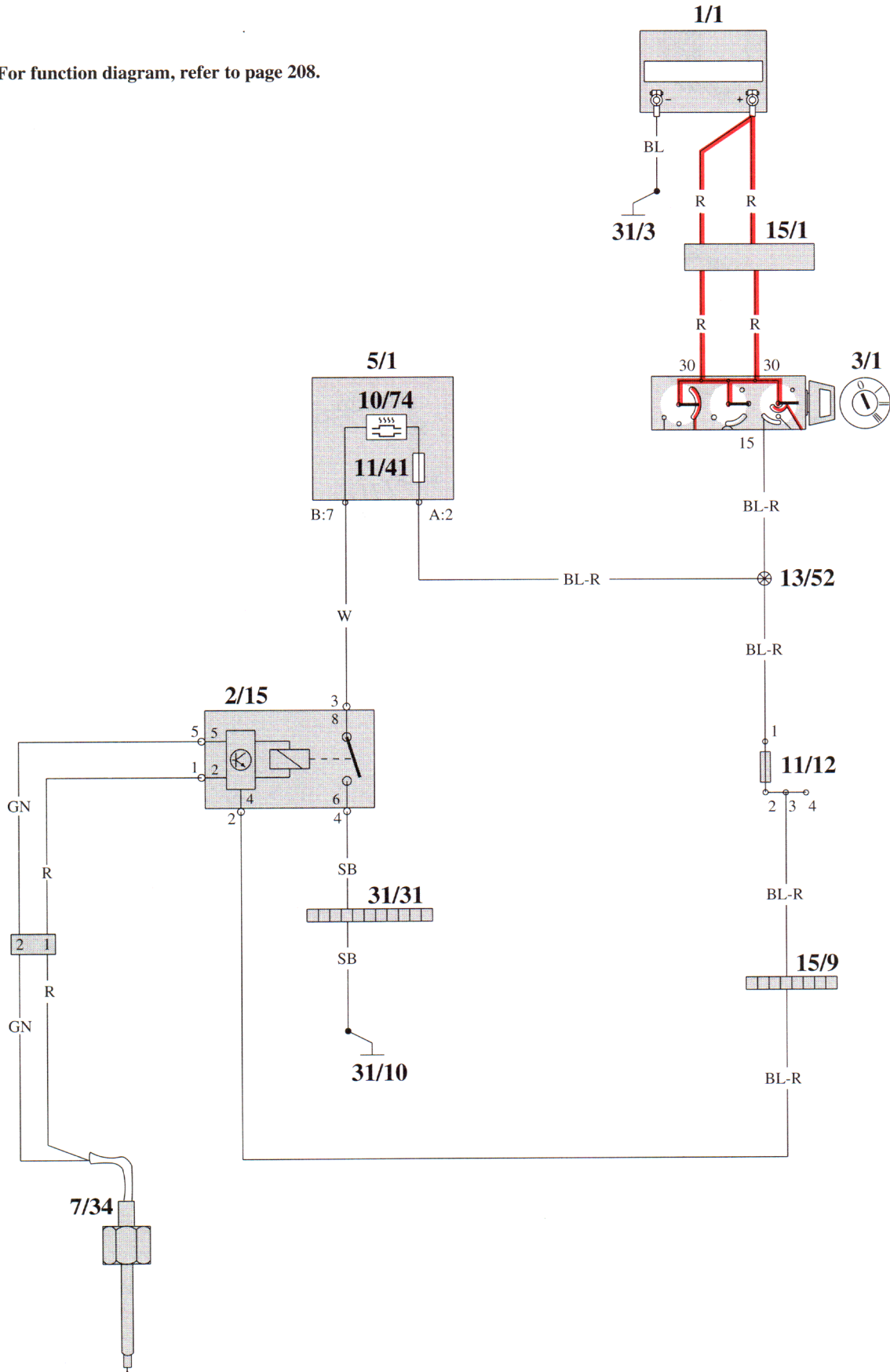


Electronic Climate Control (ECC)

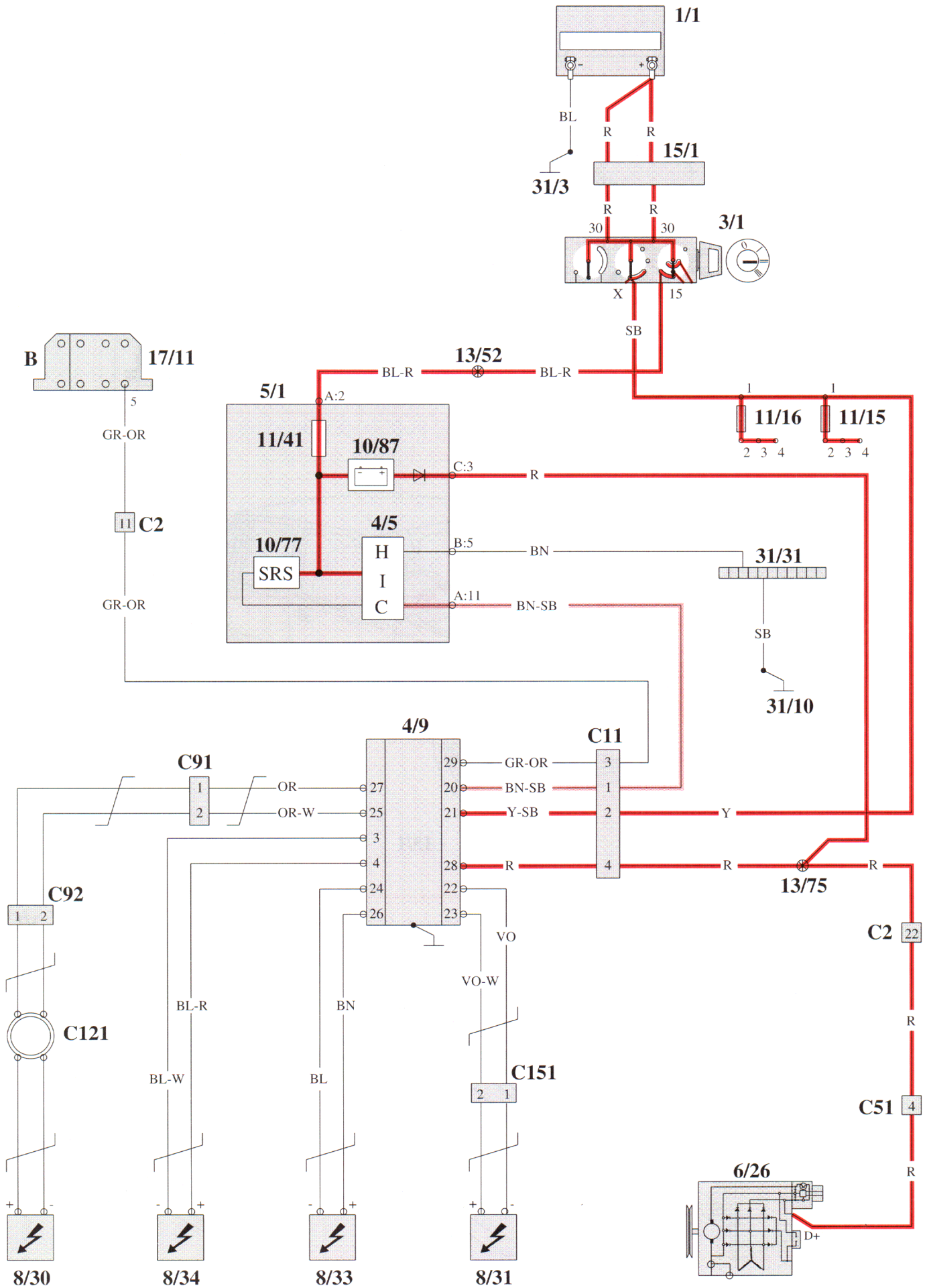


Exhaust temperature sensor (Japan)

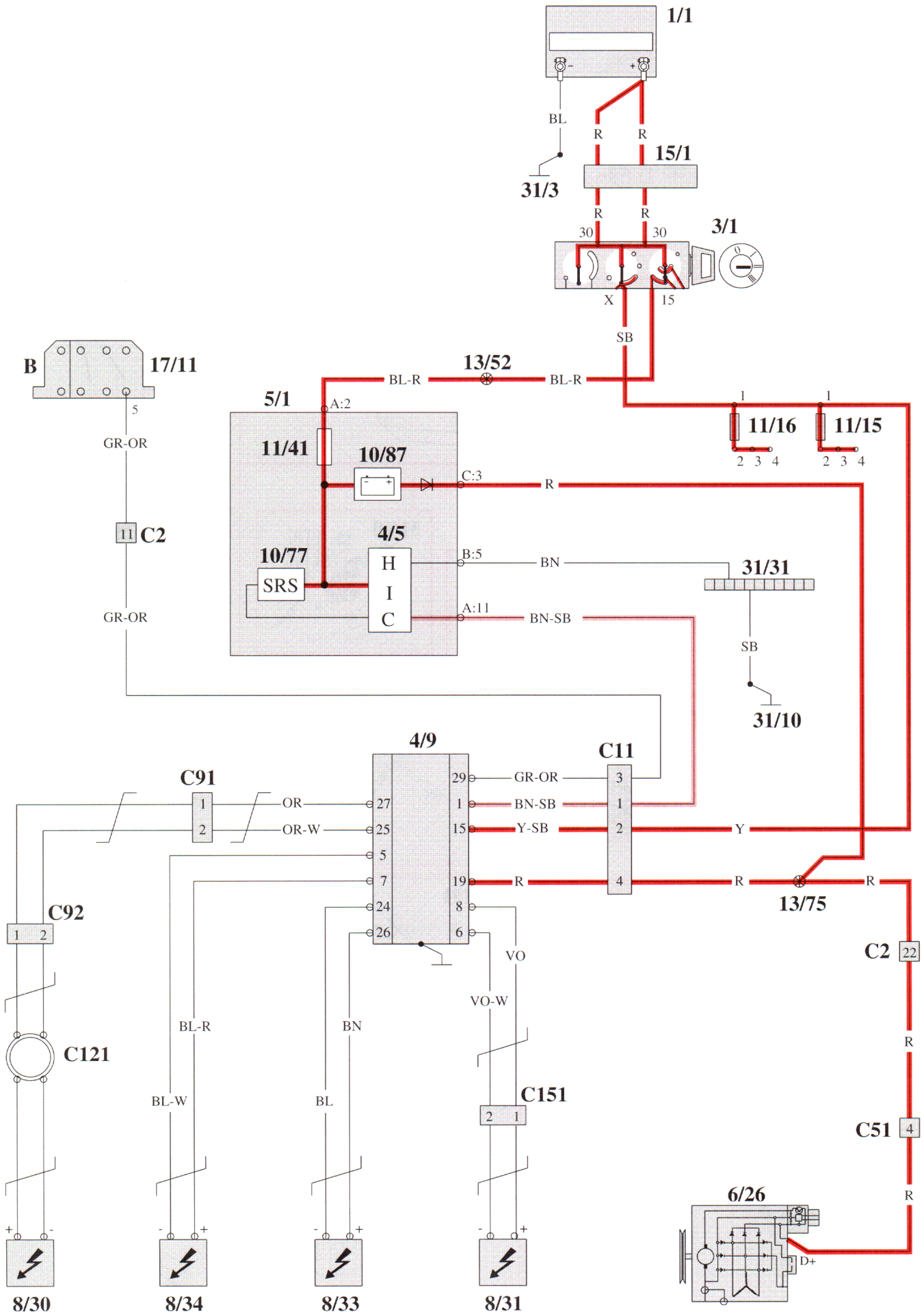
For function diagram, refer to page 208.



SRS Supplemental Restraint System (airbag)

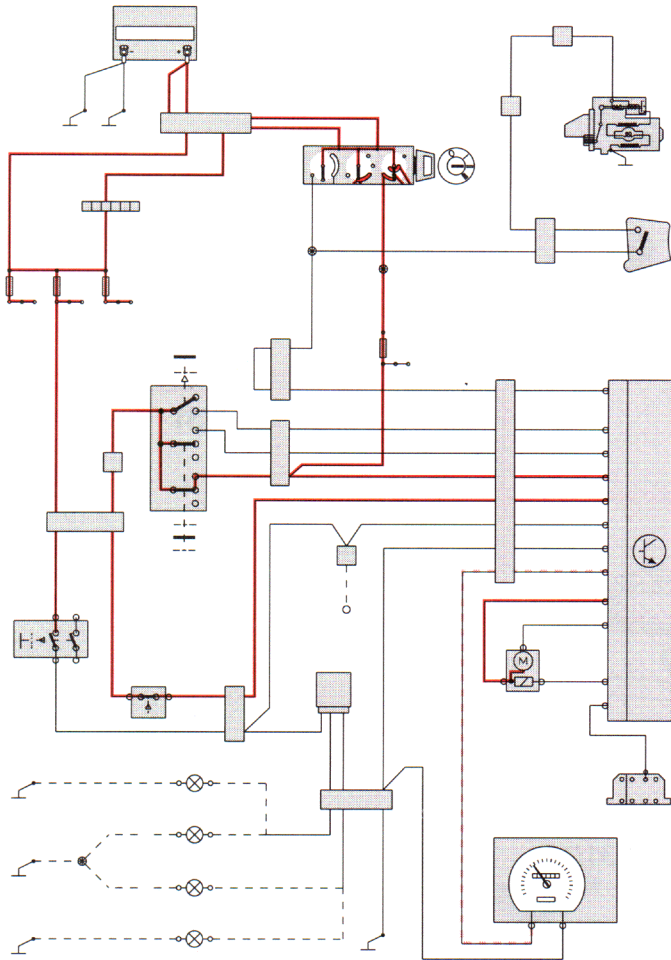


SRS Supplemental Restraint System (airbag) USA, Canada



Cruise control

Schematic presentation

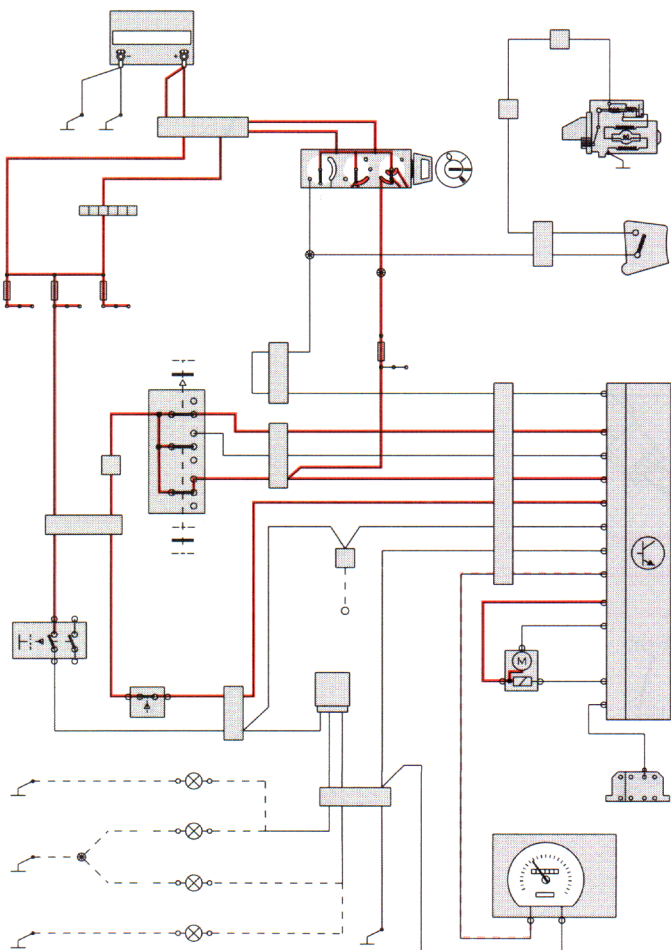


Setting speed

Switch set to ON.
 SET-button pressed in and released.
 Speed above 35 km/h (20 mph) and
 neither brake nor clutch pedal
 pressed.

Maintaining set speed

Switch set to ON.
 Speed above 35 km/h (20 mph) and
 neither brake nor clutch pedal
 pressed.



Increasing set speed

Switch set to ON.

The cruise control regulates
 throttle setting.

If the SET-button is held pressed for more
 than 0.5 seconds, the speed will slowly
 increase until the SET-button is released.

If the SET-button is held pressed for less
 than 0.5 seconds, the speed will increase by
 1.6 km/h (1 mph).

Comments

To

VOLVO CAR CORPORATION
 Aftersales
 Dept. 57920 PVÖP32
 S-405 08 GOTHENBURG
 Sweden

From

.....

Publication:

Section: Page TP No

Suggestion/Reason:

Date

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

List of components

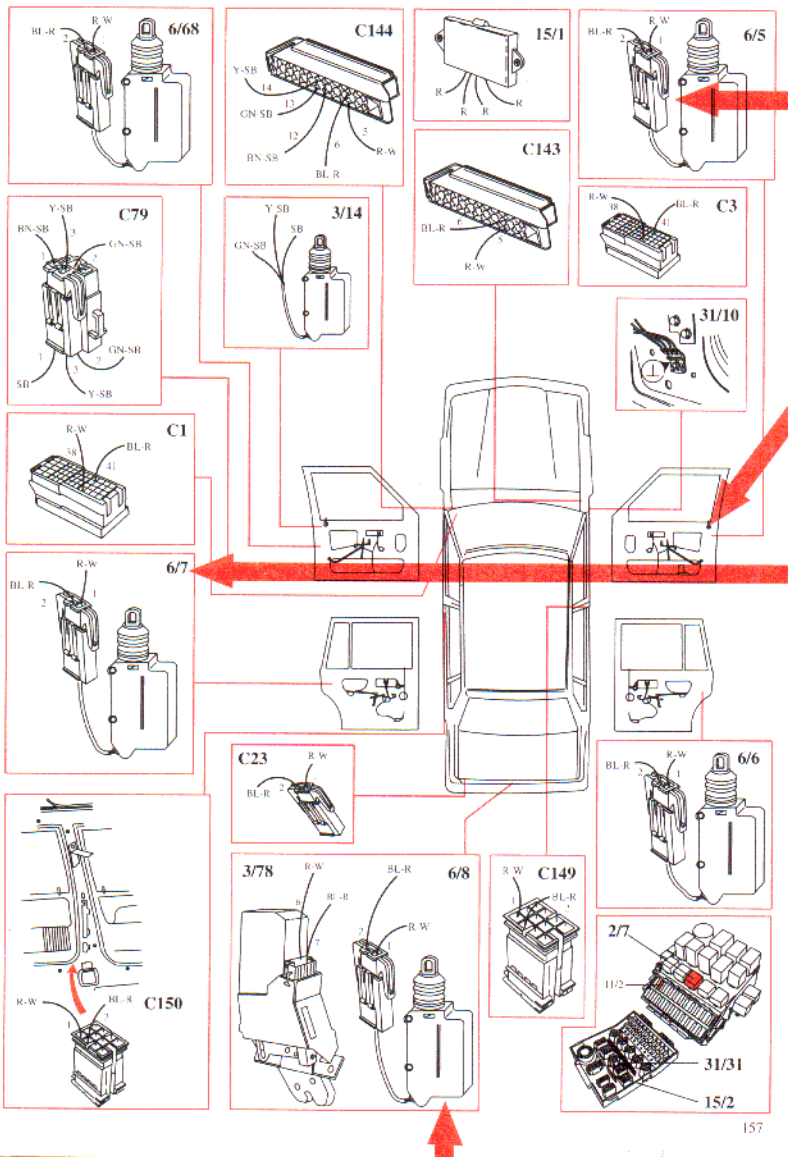
1/1	Battery	3/66	Idle air control (IAC) control, EGR
		3/67	Aneroid switch
2/2	Relay, front foglights	3/70	Rheostat setting
2/3	Regulator DIM-DIP	3/78	Lock unit, tailgate
2/4	Intermittent relay, windshield wipers		
2/5	Relay, seat belt reminder/ignition key warning	4/1	Overheating protector, driver's seat
2/6	Bypass relay 15I	4/2	Overheating protector, passenger's seat
2/7	Central locking relay	4/3	Control module, cruise control
2/8	Overdrive relay	4/4	Rheostat
2/10	Power unit ECC	4/5	Safety circuit, SRS (airbag)
2/11	Relay, engine cooling fan	4/6	Control module, ECC
2/12	Relay, radio interference suppression	4/9	Sensor module, SRS (airbag)
2/13	Relay, fuel injection (MFI)	4/10	Control module EZ-K (DI) system
2/14	Relay, glowplug mechanism	4/15	Power amplifier, EZ-K (DI) system
2/15	Relay, exhaust gas temperature sensor	4/16	Control module ABS
2/16	Tailgate intermittent wiper relay	4/23	Control module LH-jetronic 2.4 (MFI) system
2/23	Relay, fuel injection	4/29	Control module driver's seat
2/36	Headlight flasher	4/40	A/C controls, MCC
2/37	Headlight relay	4/43	Heater controls
2/38	Timer relay, exhaust gas recirculation (EGR)		
2/50	Bypass relay, high beam	5/1	Combined instrument
		5/3	Ambient temperature sensor
3/1	Ignition lock		
3/2	Light switch	6/1	Windshield wiper motor
3/4	Cruise control operation	6/2	Washer motor, front
3/5	Switch, turn signal/high-low beam	6/3	Right headlight wiper motor
3/6	Switch, hazard warning flashers	6/4	Left headlight wiper motor
3/7	Foglight switch	6/5	Central locking motor, passenger's side front
3/8-1	Switch, heated rear window	6/6	Central locking motor, passenger's side rear
3/8-2	Switch with timer relay, heated rear window/door mirrors	6/7	Central locking motor, driver's side rear
3/9	Brake light switch	6/8	Central locking motor, tailgate
3/10	Backup (reversing) light switch	6/9	Window lift motor driver's door
3/12	Switch, windshield wash/wipe	6/10	Window lift motor driver's side rear
3/13	Switch, tailgate wash/wipe	6/11	Window lift motor passenger's side front
3/14	Switch, lock button	6/12	Window lift motor passenger's side rear
3/15	Power window switch, driver's door for driver's door	6/13	Power door mirror, driver's side
3/16	Power window switch, driver's door for driver's side rear door	6/14	Power door mirror, passenger's side
3/17	Power window switch, driver's door for passenger's side front	6/15	Motor, power sunroof
3/18	Power window switch, driver's door for passenger's side rear	6/16	Motor, driver's seat backrest
3/19	Power window switch, driver's side rear	6/17	Motor, up-down, front edge of driver's seat
3/20	Power window switch, passenger's side front	6/18	Motor, up-down, rear edge of driver's seat
3/21	Power window switch, passenger's side rear	6/19	Motor, fore-aft, driver's seat
3/22	Switch for rear power window lifts	6/24	Vacuum pump, cruise control
3/23	Switch for power door mirror, driver's side	6/25	Starter motor
3/24	Switch for power door mirror, passenger's side	6/26	Generator
3/25	Switch for power sunroof	6/27	Servo motor, throttle control
3/26	Operating module, driver's seat	6/28	Cabin fan motor
3/27	Operating module, passenger's seat	6/29	Engine cooling fan
3/28	Switch for heated driver's seat	6/30	Washer motor, tailgate
3/29	Switch for heated passenger's seat	6/32	Tailgate wiper motor
3/31	Door switch, driver's door	6/33-1	Fuel level sensor
3/32	Door switch, passenger's side front	6/33-2	Fuel pump
3/33	Door switch, driver's side rear	6/34	Power antenna
3/34	Door switch, passenger's side rear	6/35	Parking heater
3/35	Door switch, tailgate (5-door estate)	6/38	Actuator, left
3/36	Switch, glove compartment	6/39	Actuator, right
3/37	Horn contacts	6/68	Central locking motor, driver side front
3/38	Switch, brake pedal		
3/40	Start inhibit switch, automatic transmission	7/4	Brake fluid level sensor
3/42	Oil pressure sensor, kick-down valve	7/5	Washer fluid level sensor
3/43	Switch in gear lever	7/6	Oil pressure sensor
3/44	Seat belt lock, driver's seat	7/7	Engine coolant temperature (ECT) sensor
3/47	Parking brake switch	7/9	Engine coolant temperature (ECT) sensor, ECC
3/50	Throttle position (TP) switch	7/10	Cabin temperature sensor
3/59	Beam width control	7/11	Ambient temperature sensor, ECC
		7/12	Solar sensor
		7/15	Heated oxygen sensor (HO2S)
		7/16	Engine coolant temperature (ECT) sensor, fuel/ignition (MFI/DI) system

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How to use the wiring diagrams

This shows supply status.
For supply status in operating position,
refer to the appropriate function diagram.



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

You can also see where in the car the relevant components are located and how the wires are routed.

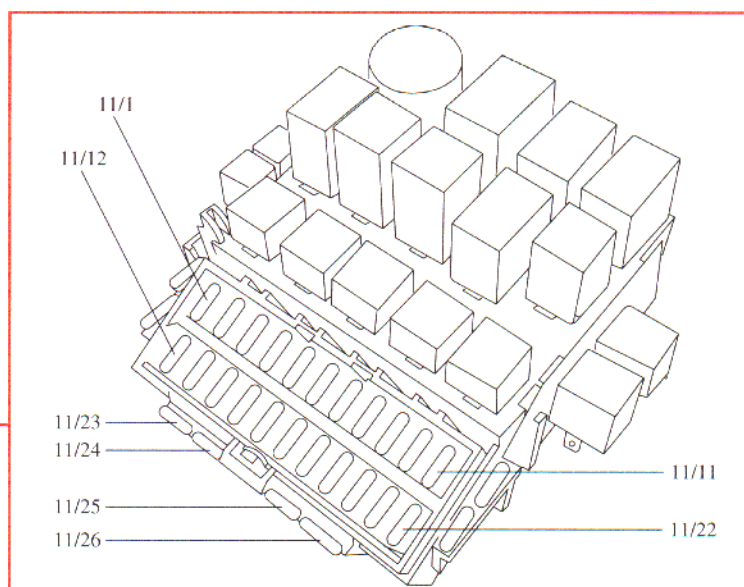
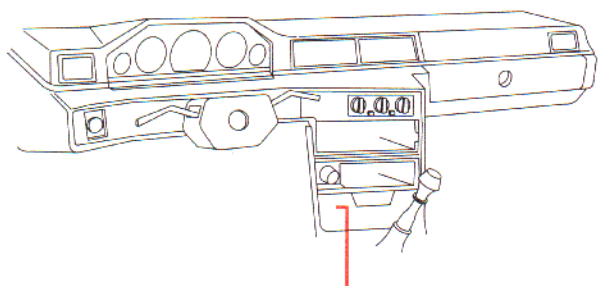
The component designation consists of a type number and a component number, except for the connectors which feature the letters C or D and a number.

The type number (in this case 6) indicates what type of component it is, eg switch, electric motor or sensor, see the list below. The component number (7) indicates which specific component we are dealing with, eg light switch, central lock motor driver's side rear or knock sensor (KS).

List of type numbers

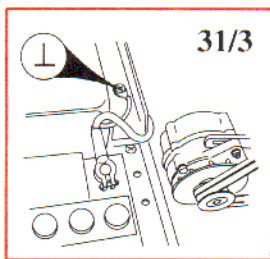
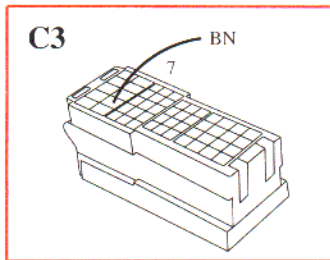
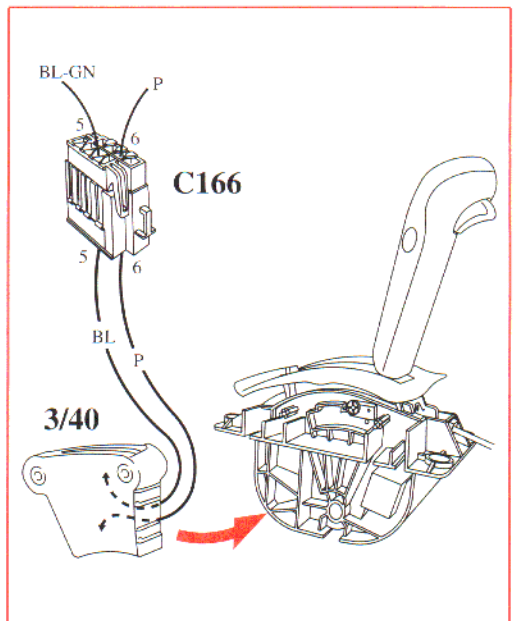
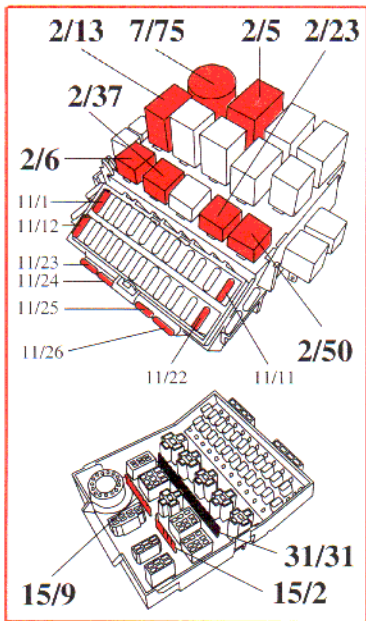
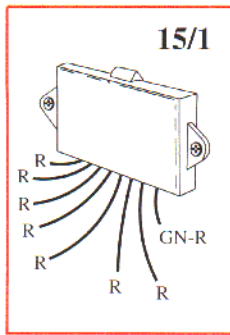
- 1 Battery
- 2 Relay
- 3 Switch
- 4 Control module
- 5 Combined instrument
- 6 Electric motor
- 7 Sensor
- 8 Actuator
- 9 Heater element
- 10 Lamp
- 11 Fuse
- 15 Distribution rail, current supply
- 16 Service socket
- 17 Bridge connector
- 19 Gauge
- 20 Ignition component
- 31 Ground connection

Use of the component ID makes it easy to switch from the component diagrams to the electrical wiring diagram itself.

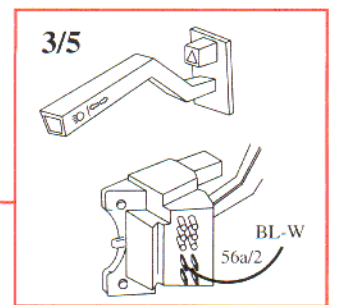
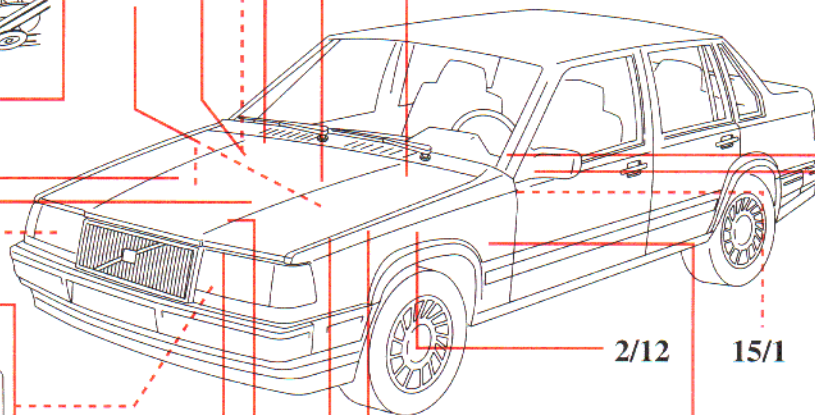


Fuse no.	Connected functions
1	Fuse 11 Fuel system Distributor Ignition (DI) system Oxygen sensor (HO2S) heating (B200FT, B230FK/FT)
2	Hazard warning flashers Headlight flasher (via fuse 17 and 18) Central locking Anti-theft alarm
3	Power seats Towing hook
4	Brake lights
5	Clock Vanity mirror light Glove compartment lighting Trunk light Interior lighting Power antenna Door-open warning lights Anti-theft alarm
6	Electronic Climate Control (ECC) Cabin fan, Electronic Climate Control (ECC)
7	Front foglights Rear foglights (not USA, Canada)
8	Power windows
9	Turn signals Warning lights for seat belts Seat belt reminder Ignition key warning Bypass relay 15I (power windows/seat heating) Solenoid, P-shift lock Towing hook
10	Heated rear window Power sunroof Heated door mirrors
11	Fuel primer pump in fuel tank (LH-2.4 MFI) (via fuse 1) Oxygen sensor (HO2S) heating (B 200 F, B 230 FB/FD)
12	Backup (reversing) lights Overdrive relay Exhaust temperature sensor (Japan) Cruise control +15 busbar (15/9) Anti-theft alarm Bulb malfunction indicator with brake monitor
13	Fuel valve, diesel Pre-heating mechanism, diesel EGR diesel Solenoid, pulsed secondary air injection (PAIR) (B230FD)

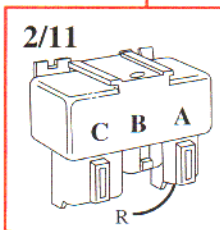
Fuse no.	Connected functions
14	Power door mirrors Cigar lighter Radio Tailgate washer Tailgate wiper Ambient temperature sensor
15	Relays, power seats Horn Windshield wash/wipe Headlight wash/wipe
16	Cabin fan, standard heater Cabin fan, Manual Climate Control (MCC) Manual Climate Control (MCC) Electronic Climate Control (ECC)
17	Left high beam Indicator light, high beam
18	Right high beam Front fog lights (Japan)
19	Left low beam Beam width control
20	Right low beam Beam width control
21	Parking lights, front and rear License plate lights Instrument and control panel lights Ambient temperature sensor Ashtray light, front Electronic climate unit (ECC) Towing hook
22	Relay, front foglights (Europe) Parking lights, front and rear Ashtray light, rear Automatic transmission selector illumination Switch lighting, heated seats Towing hook
23	Heated front seats
24	ABS
25	Rear foglights (USA, Canada, Japan) Disconnectable low beam (Nordic market, Netherlands, Belgium)
26	Amplifier, radio Radio Compact Disc changer



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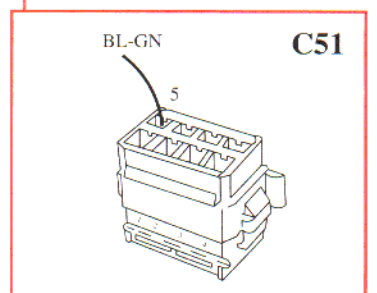
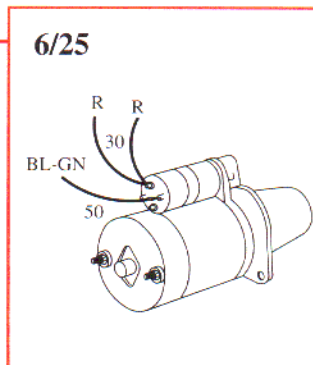
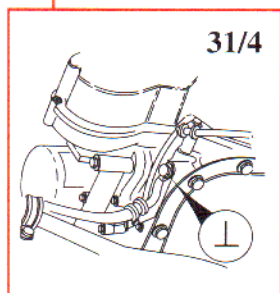
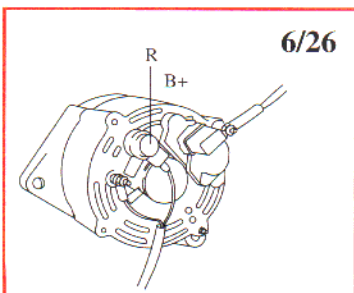
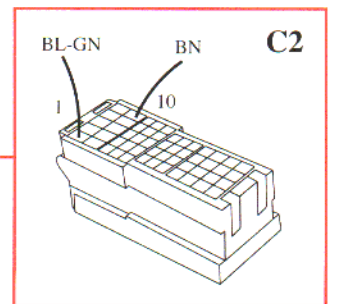
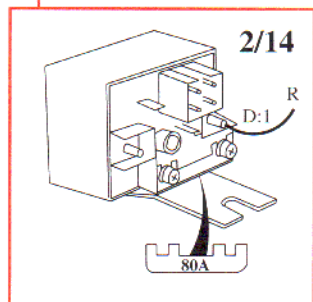
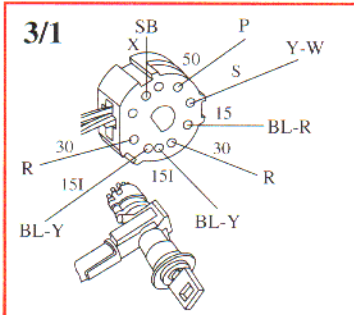
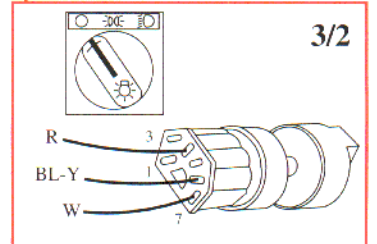


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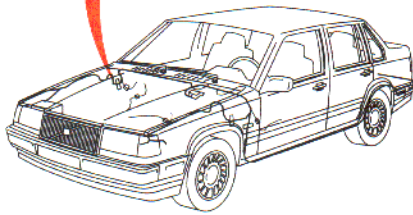
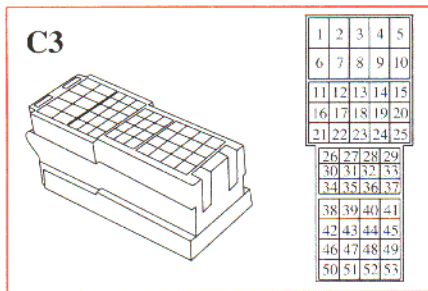
Connector at left A-post (wheel housing harness)

Black connector C2 (53-pin)
Instrument panel - left wheel housing

B200F/FT, B230FB/FD/FK/FT/G (DI)			D24/TIC	
1	Starter motor 50	BL-GN	Starter motor 50 Relay, glowplug mechanism pos. 3	BL-GN BL-GN
2	High beam, left	BL-W	High beam, left	BL-W
3	Low beam, left Beam width control	GN GN-BN	Low beam, left Beam width control	GN GN-BN
4	Horn + Windshield wiper motor pos. 1 Headlight wiper motor	Y	Horn + Windshield wiper motor pos. 1 Headlight wiper motor	Y
5	Windshield wiper motor pos. 2	GR	Windshield wiper motor pos. 2	GR
6	Windshield wiper motor pos. 3	GN-W	Windshield wiper motor pos. 3	GN-W
7	Windshield wiper motor pos. 4	OR	Windshield wiper motor pos. 4	OR
8	Front foglights	W-SB	Front foglights	W-SB
9	Control module EZK (DI) pos. 5 (not FK/FT)	BN	Relay, glowplug mechanism pos. 4 Pos. 3, connector C51 at left suspension tower	BL
10	<u>B200FT, B230FK/FT:</u> Battery + Relay, radio interference suppression pos. 4	BN	-	
11	On-board diagnostic (OBD) socket B pos. 5	GR-OR	On-board diagnostic (OBD) socket B pos. 5	GR-OR
12	On-board diagnostic (OBD) socket A pos. 3	BL-P	On-board diagnostic (OBD) socket A pos. 3	BL-P
13	Turn signal, left	GN	Turn signal, left	GN
14	Parking lights, left	W	Parking lights, left	W
15	Beam width control	GR	Beam width control	GR
16	Oil pressure sensor	SB	Oil pressure sensor	SB
17	Horn -	BL-SB	Horn -	BL-SB
18	Headlight wiper motor Windshield washer motor (not FK/FT)	BL-R	Headlight wiper motor	BL-R
19	Brake fluid level sensor	VO	Brake fluid level sensor	VO
20	Engine coolant temperature (ECT) sensor pos. 1	Y-W	Engine coolant temperature (ECT) sensor pos. 1	Y-W
21	Engine coolant temperature (ECT) sensor pos. 2	Y-SB	Engine coolant temperature (ECT) sensor pos. 2	Y-SB
22	Generator D+	R	Generator D+	R
23	On-board diagnostic (OBD) socket B pos. 6	BL-W	-	
24	Service socket	P	Service socket	P
25	On-board diagnostic (OBD) socket A pos. 2	GN-GR (GN-W)	-	
26	Ignition Control Module (ICM) pos. 3	BN-W	-	
27	Power amplifier EZK (DI) pos. 1 Ignition coil 1	R-W	Generator W	R-W
28	Ignition Control Module (ICM) pos. 6 Power amplifier EZK (DI) pos. 4 On-board diagnostic (OBD) socket A pos. 4 Converter, EGR	BL	On-board diagnostic (OBD) socket A pos. 4	BL
29	Ignition Control Module (ICM) pos. 17	Y-GR	-	
30	-		Pressure sensor, turbodiesel	Y-R
31	-		-	
32	<u>B200FT, B230FK/FT:</u> Ignition Control Module (ICM) pos. 5 Others: Washer fluid level sensor	BN R-SB	-	
33	<u>B200FT, B230FK/FT:</u> Relay, radio interference suppression pos. 2 Others: Wiper motor, tailgate	BL-Y	-	
34	Door switch	BN-SB	Door switch	BN-SB
35	Door switch	W-SB	Door switch	W-SB
36	-		-	
37	Ignition Control Module (ICM) pos. 4	GR-R	Relay, glowplug mechanism pos. 1	OR
38	Ambient temperature sensor	GN-Y	Ambient temperature sensor	GN-Y
39	Ambient temperature sensor	GN-R	Ambient temperature sensor	GN-R
40	Anti-theft alarm, connector D4 pos. 1	GR-W	Anti-theft alarm, connector D4 pos. 1	GR-W
41	Anti-theft alarm, connector D4 pos. 2	BN-P	Anti-theft alarm, connector D4 pos. 2	BN-P
42	Control module cruise control pos. 10	BN-GR	-	
43	Control module cruise control pos. 2	P-SB	-	
44	Control module cruise control pos. 7	BN-OR	-	
45	Control module cruise control pos. 11	BL-OR	-	
46	Control module cruise control pos. 6	BL-GR	-	
47	Control module cruise control pos. 4	OR-W	-	
48	Control module cruise control pos. 3	OR-SB	-	
49	Control module cruise control pos. 13	GN-OR	-	
50	Solenoid valve, pulsed secondary air injection (PAIR)	BL-BN	-	
51	Anti-theft alarm, connector D4 pos. 3	BL-GN	-	
52	-		-	
53	-		-	

Connector at right A-post (wheel housing harness and sill harness)

Connector C3 (pos. 1-25 in 53-pin)
Instrument panel harness - right wheel
housing harness



Connector C3 (pos. 26-53 in 53-pin)
Instrument panel harness - sill harness

B200F/FT, B230FB/FD/FK/FT/G

1	High beam, right	R-W
2	Low beam, right Beam width control	GN-W GN-BN
3	Turn signal, right	BL-GN
4	Parking light, right	GR
5	B200FT, B230FK/FT: Washer motor, tailgate Others: LH control module (MFI) pos. 30	BL-Y P-W
6	B200FT, B230FK/FT: LH (MFI) control module pos. 12 Others (DI): Ignition coil 15	GN-GR BL
7	B200FT, B230FK/FT: LH (MFI) control module pos. 30 Others: Battery + Relay, radio interference suppression pos. 2 and 4	P-W BN
8	Oxygen sensor (HO2S) heating	P
9	LH control module (MFI) pos. 9 Idle air control (IAC) valve pos. 1 Mass air flow sensor (MAF) pos. 5 Relay, radio interference suppression pos. 2 (not FK/FT) Injectors (not FK/FT) B200FT, B230FK/FT: PTC-resistor	BL-Y
10	LH control module (MFI) pos. 35	BL
11	LH control module (MFI) pos. 22	BN-W
12	LH control module (MFI) pos. 4	W
13	Front foglights	W-SB
14	LH control module (MFI) pos. 20	Y-SB
15	Headlight wiper motor	Y
16	Beam width control	GR
17	Headlight wiper motor B200FT, B230FK/FT: Washer motor	BL-R
18	LH control module (MFI) pos. 1	Y-GR
19	LH control module (MFI) pos. 28	GR-R
20	-	
21	LH control module (MFI) pos. 15	GN-Y
22	B200FT, B230FK/FT: LH control module (MFI) pos. 21	R
23	-	
24	B200FT, B230FK/FT: Washer fluid level sensor Others: LH control module (MFI) pos. 12	BL-W GN-W
25	LH control module (MFI) pos. 34	VO-W

26	-	
27	-	
28	-	
29	Door-open warning light, right rear	GN-R
30	Door switch rear door Door switch right front door	BN-SB BN-SB
31	Door switch right front door	W-SB
32	Side turn signal repeaters	BL-GN
33	-	
34	-	
35	Loudspeaker, right rear door +	BL-P
36	Loudspeaker, right rear door -	BN-P
37	-	
38	Central locking, rear door	R-W
39	-	
40	-	
41	Central locking, rear door	BL-R
42	-	
43	-	
44	-	
45	-	
46	-	
47	-	
48	-	
49	-	
50	Power window lift motor, rear door	BN
51	Power window lift motor, rear door	Y
52	-	
53	Power window lift motor, rear door ON/OFF	P

Connector at right A-post (wheel housing harness and door sill harness)

Connector **C3** (pos. 1-25 in 53-pin)
Instrument panel harness - right wheel
housing harness

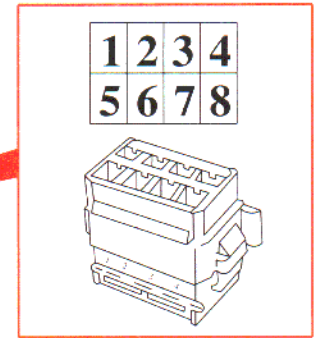
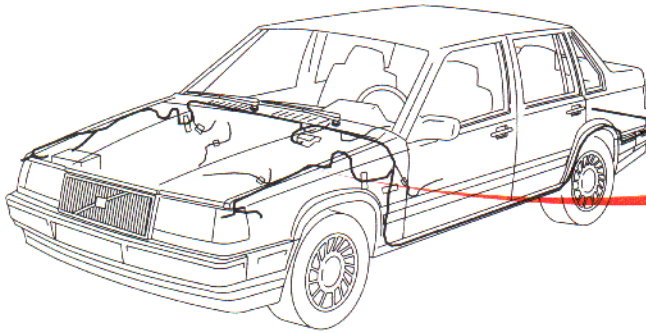
D24TIC

1	High beam, right	R-W
2	Low beam, right Beam width control	GN-W GN-BN
3	Turn signal, right	BL-GN
4	Parking light, right	GR
5	Washer motor, tailgate	BL-Y
6	-	
7	-	
8	-	
9	-	
10	-	
11	-	
12	-	
13	Front foglights	W-SB
14	-	
15	Headlight wiper motor	Y
16	Beam width control	GR
17	Headlight wiper motor Windshield washer motor	BL-R
18	-	
19	-	
20	-	
21	-	
22	-	
23	-	
24	Washer fluid level sensor	BL-W
25	-	

Connector **C3** (pos. 26-53 in 53-pin)
Instrument panel harness - door sill harness

26	-	
27	-	
28	-	
29	Door-open warning light, right rear	GN-R
30	Door switch rear door Door switch right front door	BN-SB BN-SB
31	Door switch right front door	W-SB
32	Side turn signal repeater	BL-GN
33	-	
34	-	
35	Loudspeaker, right rear door +	BL-P
36	Loudspeaker, right rear door -	BN-P
37	-	
38	Central locking, rear door	R-W
39	-	
40	-	
41	Central locking, rear door	BL-R
42	-	
43	-	
44	-	
45	-	
46	-	
47	-	
48	-	
49	-	
50	Power window lift motor, rear door	BN
51	Power window lift motor, rear door	Y
52	-	
53	Power window lift motor, rear door ON/OFF	P

Connector in engine compartment at left suspension tower



B200F, B230FB/FD/G

B200FT, B230FK/FT

Connector C50 (8-pin)

Connector C50 (8-pin)

1	-		Injector 1	GN
2	Pos. 1, connector C137 at right suspension tower (4-pin)	BL-GN	Injector 2	GN
3	Pos. 2, connector C137 at right suspension tower (4-pin)	BL-R	Injector 3	GN
4	Pos. 3, connector C137 at right suspension tower (4-pin)	BL-W	Injector 4	GN
5	Pos. 4, connector C137 at right suspension tower (4-pin)	BL-Y	-	
6	Pos. 3, connector C55 at right suspension tower (4-pin)	Y-W	-	
7	Control module LH (MFI) pos. 25 via pos. 2, connector C55 at right suspension tower	Y	Control module LH (MFI) pos. 25 via pos. 2, connector C55 at right suspension tower	Y
8	-		-	

Connector C51 (8-pin)

Connector C51 (8-pin)

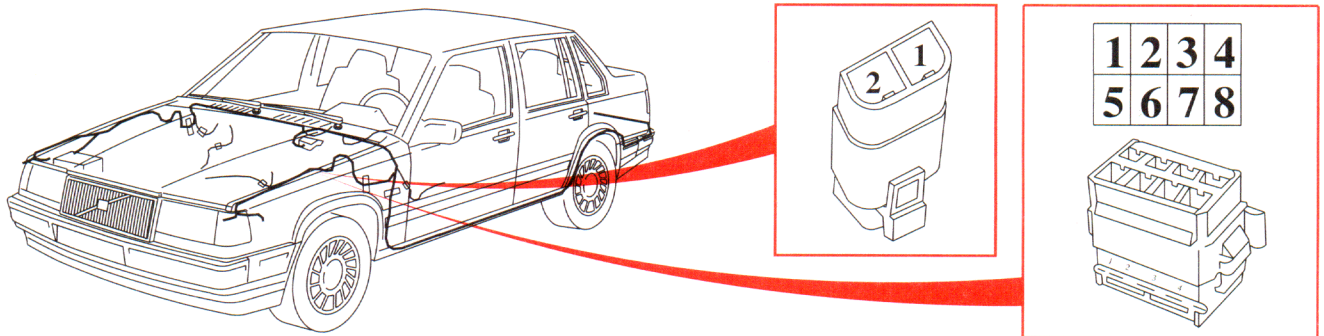
1	Engine coolant temperature (ECT) sensor pos. 1	Y-W	Engine coolant temperature (ECT) sensor pos. 1	Y-W
2	Oil pressure sensor	SB	Oil pressure sensor	SB
3	Ground, control module EZK pos. 20	BN-SB	Ground, ICM pos. 20	BN
4	Generator D+	R	Generator D+	R
5	Starter motor 50	BL-GN	Starter motor 50	BL-GN
6	Throttle position (TP) switch pos. 1 Pos. 8, connector C54 at right suspension tower	OR	Throttle position (TP) switch pos. 1 Pos. 8, connector C54 at right suspension tower	OR
7	Engine coolant temperature (ECT) sensor fuel/ignition (MFI/DI) system pos. 2	R-SB	Engine coolant temperature (ECT) sensor fuel/ignition (MFI/DI) system pos. 2	R-SB
8	Engine coolant temperature (ECT) sensor pos. 2	Y-SB	Engine coolant temperature (ECT) sensor pos. 2	Y-SB

Connector C132 (8-pin)

Connector C132 (8-pin)

1	Ignition coil 1	R-W	Ignition coil 1	R-W
2	<u>All:</u> Ground, power amplifier EZK (DI) <u>B230FD:</u> Ground, control module EZK (DI) pos. 14	SB	<u>All:</u> Ground, power amplifier EZK (DI) <u>B:230FK/FT:</u> Ground, ICM pos. 14	SB
3	Temp. sensor, EGR pos. 1	Y-SB	Temperature sensor EGR pos. 1	Y-SB
4	Mass air flow (MAF) sensor pos. 1	BN	-	
5	-		Ignition coil 15	BL
6	Knock sensor (KS) pos. 1	GN	Knock sensor (KS) pos. 1	GN
7	Knock sensor (KS) pos. 2	SB	Knock sensor (KS) pos. 2	SB
8	Control module LH (MFI) pos. 31 via pos. 4, connector C55 at right suspension tower (B230FD)	Y-R	-	

Connectors in engine compartment at left suspension tower



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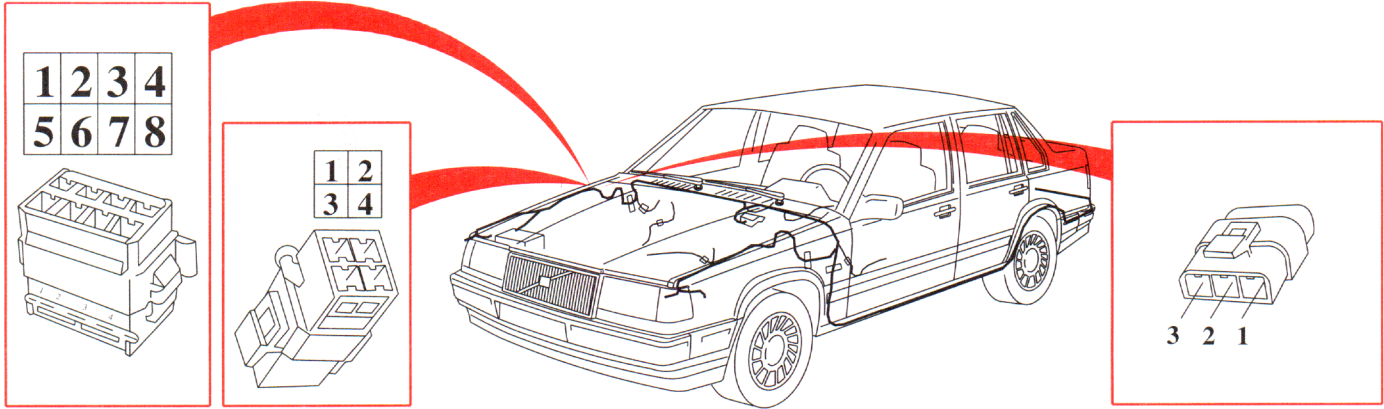
Connector C51 (8-pin)

1	Engine coolant temperature (ECT) sensor pos. 1	Y-W
2	Oil pressure sensor	SB
3	Timer relay, exhaust gas recirculation (EGR) pos. 4 Idle air control (IAC) switch, EGR Fuel valve Aneriod switch pos. 1	BL
4	Generator D+	R
5	Starter motor 50	BL-GN
6	Engine coolant temperature (ECT) sensor diesel	BN
7	Generator W	R-W
8	Engine coolant temperature (ECT) sensor pos. 2	Y-SB

Connector C117 (2-pin)

1	Pressure sensor, turbodiesel	Y-R
2	-	

Connectors in engine compartment at right suspension tower



B200FT, B230FK/FT

Connector C54 (8-pin)

1	Idle air control (IAC) valve pos. 2	R-SB
2	Solenoid coupling A/C	GN-R
3	Idle air control (IAC) valve pos. 1	BL-Y
4	Engine coolant temp. (ECT) sensor fuel/ignition (MFI/DI) system pos. 1	GR-W
5	-	
6	Ground, LH (MFI) control module pos. 17	SB
7	Throttle position (TP) switch pos. 3 from high-output system (accessory)	R-W
8	Throttle position (TP) switch pos. 1 Pos. 6, connector C51 at left suspension tower	OR

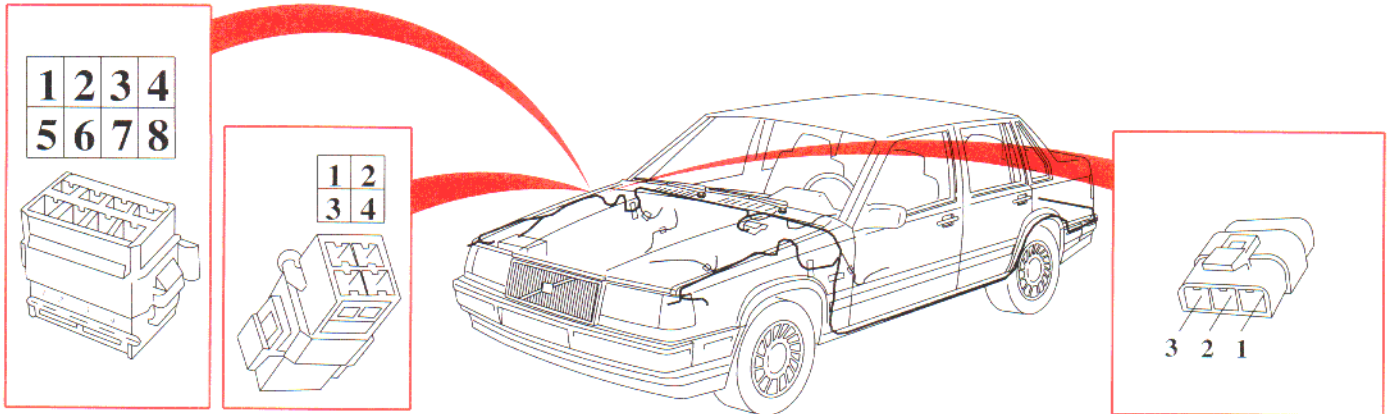
Connector C55 (8-pin)

1	High-power system (accessory) from LH (MFI) control module pos. 28	GR-R
2	EZK MFI control module pos. 8 via connector C50 pos. 7 at left suspension tower	Y
3	-	
4	-	
5	Ground, mass air flow (MAF) sensor	BN
6	-	
7	Injectors	GR
8	Ground, LH (MFI) control module	BN

Connector C154 (3-pin)

1	Low-speed pressure sensor, engine cooling fan pos. 2 Relay, engine cooling fan pos. B1	BL-SB
2	High-speed pressure sensor, engine cooling fan pos. 2 Relay, engine cooling fan pos. B2	W-SB
3	High-pressure sensor A/C pos. 2	GN-R

Connectors in engine compartment at right suspension tower



B200F, B230FB/FD/G (DI)

Connector C54 (8-pin)

1	Idle air control (IAC) valve pos. 2	R-SB
2	Solenoid coupling A/C	GN-R
3	-	
4	Engine coolant temperature (ECT) sensor, fuel/ignition (MFI/DI) system pos. 1	GR-W
5	-	
6	Ground, LH (MFI) control unit pos. 17	SB
7	Throttle position (TP) switch pos. 3	R-W
8	Throttle position (TP) switch pos. 1 Pos. 6, connector C51 at left suspension tower	OR

Connector C55 (8-pin)

1	-	
2	Control module EZK (DI) pos. 8 via pos. 7, connector C50 at left suspension tower	Y
3	Mass air flow (MAF) sensor pos. 6 via pos. 6, connector C50 at left suspension tower (B230G)	Y-W
4	Solenoid valve pulsed secondary air injection (PAIR) connector C132 pos. 8, at left suspension tower	Y-R
5	Ground, LH (MFI) control unit pos 5	BN
6	Injectors Idle air control (IAC) valve pos. 1	GN-R
7	Injectors	GR
8	Ground, LH (MFI) control module	BN

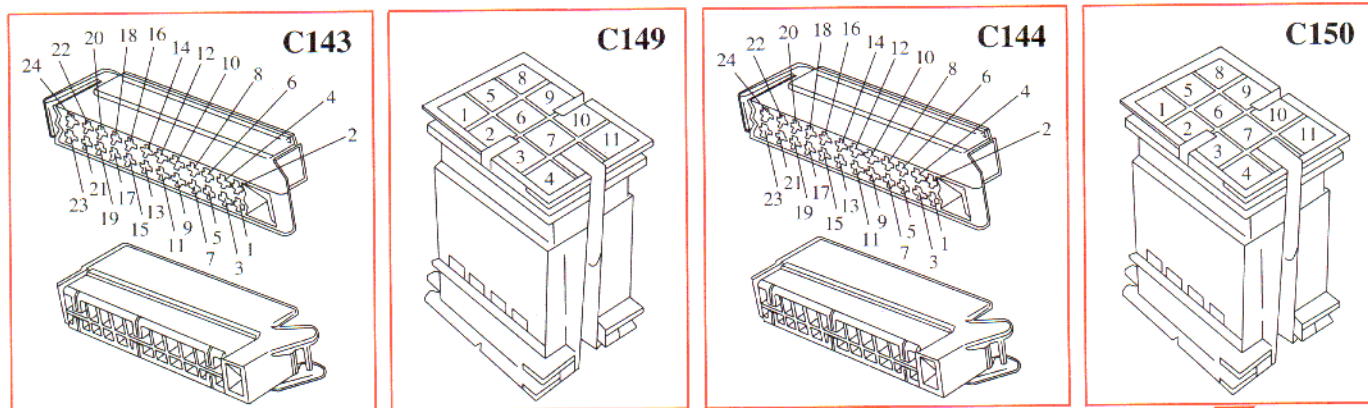
Connector C137 (4-pin)

1	Mass air flow (MAF) sensor pos. 2 via pos. 2, connector C50 at left suspension tower	BL-GN
2	Mass air flow (MAF) sensor pos. 3 via pos. 3, connector C50 at left suspension tower	BL-R
3	Mass air flow (MAF) sensor pos. 4 via pos. 4, connector C50 at left suspension tower	BL-W
4	Mass air flow (MAF) sensor pos. 5 via pos. 5, connector C50 at left suspension tower	BL-Y

Connector C154 (3-pin)

1	Low-speed pressure sensor, engine cooling fan pos. 2 Relay, engine cooling fan pos. B1	BL-SB
2	High-speed pressure sensor, engine cooling fan pos. 2 Relay, engine cooling fan pos. B2	W-SB
3	High-pressure sensor, A/C	GN-R

Connectors for doors



Connector **C143** (24-pin) at A-post passenger's side

1	Warning light	GN-R
2	Warning light	W-SB
3	Loudspeaker +	GN-W
4	Loudspeaker -	BL-SB
5	Central lock, unlocking	R-W
6	Central lock, locking	BL-R
7	Heating, power 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	-	
14	-	
15	-	
16	-	
17	-	
18	-	
19	-	
20	-	
21	Ground connector, power door mirrors	SB
22	Window lift motor	BL
23	Window lift motor	R
24	Window lift motor, supply	Y-R

Connector **C144** (24-pin) at A-post, driver's side

1	Warning light	GN-R
2	Warning light	W-SB
3	Loudspeaker +	GN-W
4	Loudspeaker -	BL-SB
5	Central lock, unlocking	R-W
6	Central lock, locking	BL-R
7	Heating, power door mirrors	BL-GN
8	Power door mirrors passenger's door	BL-W
9	Power door mirrors passenger's door	BN-W
10	Power door mirrors, supply	OR
11	Power door mirrors passenger's door	GN-W
12	Ground connection, central locking	BN-SB
13	Central lock, unlocking	GN-SB
14	Central lock, locking	Y-SB
15	Window lift motor rear door pass. side	BN
16	Window lift motor rear door pass. side	Y
17	Window lift motor rear door driver's side	GN
18	Window lift motor rear door driver's side	GR
19	ON/OFF power window lift motors, rear doors	P
20	Window lift motor supply	Y-R
21	Ground connection, power window lift motors, power door mirrors	SB
22	Window lift motor passenger's door	BL
23	Window lift motor passenger's door	R
24	-	

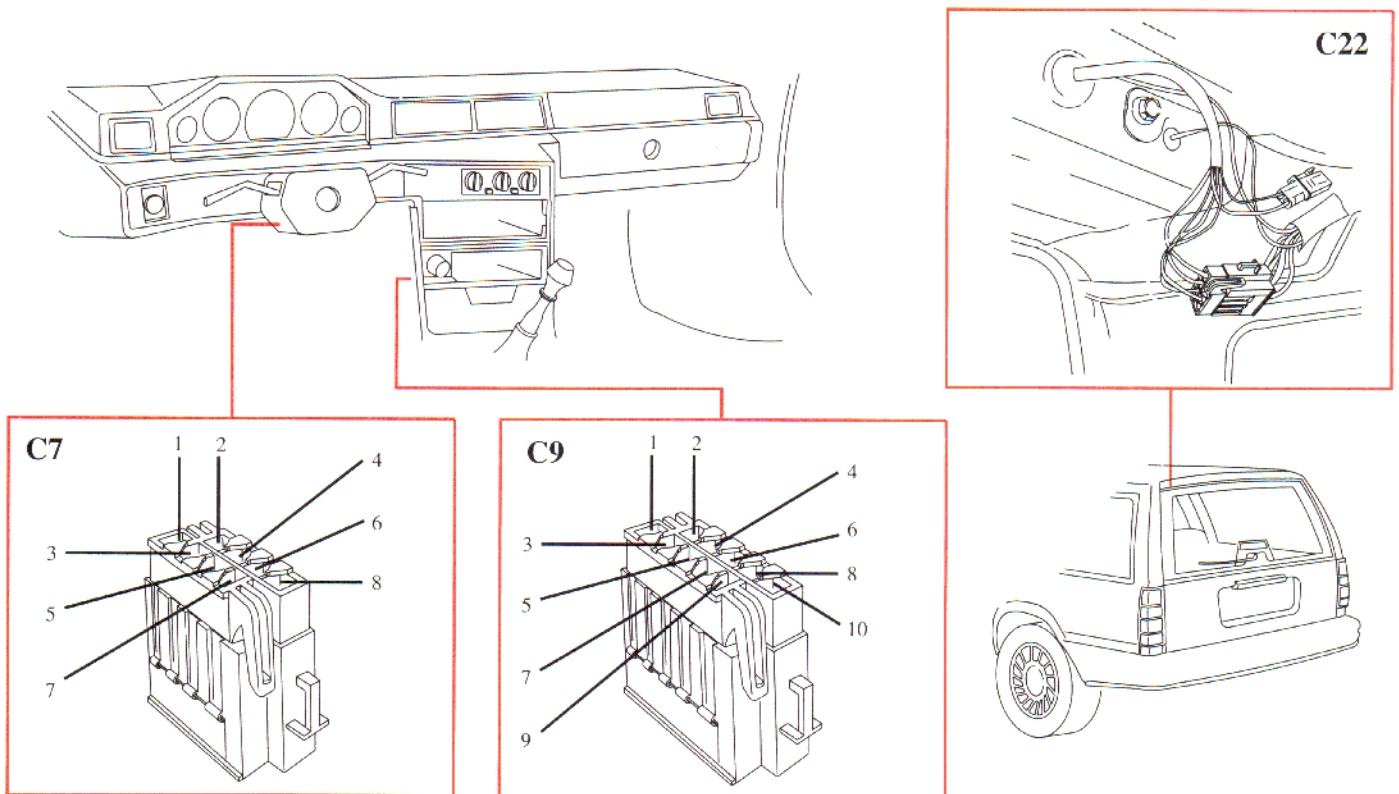
Connector **C149** (11-pin) at B-post, passenger's side

1	Central lock, unlocking	R-W
2	Central lock, locking	BL-R
3	Warning light door	GN-R
4	Warning light door	BL-SB
5	Window lift motor ON/OFF	P
6	Window lift motor	GN-BN
7	Window lift motor	Y-GR
8	Loudspeaker +	BL-W
9	Loudspeaker -	BN-SB
10	-	
11	-	

Connector **C150** (11-pin) at B-post, driver's side

1	Central lock, unlocking	R-W
2	Central lock, locking	BL-R
3	Warning light door	GN-R
4	Warning light door	BL-SB
5	Window lift motor ON/OFF	P
6	Window lift motor	GN-BN
7	Window lift motor	Y-GR
8	Loudspeaker +	BL-W
9	Loudspeaker -	BN-SB
10	-	
11	-	

Connectors C7, C9, C22



Connector **C7** (8-pin) at steering column

1	Brake light switch pos. 2	Y-BN
2	Brake light switch pos. 1	GN-Y
3	Switch, brake pedal	W-SB
4	Switch, brake pedal	OR-SB
5	Bridge connector to pin 6	P
6	Bridge connector to pin 5	P
7	Brake light switch pos. 4	BN
8	Brake light switch pos. 3	BN-W

Connector **C9** (10-pin) at centre console

1	Seat belt lock, driver's seat pos. 3	GN
2	Parking brake switch	BN
3	Ashtray lighting	GR
	Switch light, seat heater	GR
4	-	
5	-	
6	Ashtray lighting	BL
	Switch lighting, seat heating	
7	-	
8	Switch, heated driver's seat	R-SB
9	Switch, heated passenger's seat	R-SB
10	Ground connection, radio	SB

Connector **C22** (6-pin) at tailgate (5-door estate)

1	Heated rear window	Y
2	Number plate lights	W
3	Tailgate wiper	OR
4	Tailgate wiper	Y-W
5	Extra brake light	Y-SB
6	License plate lights	SB
	Tailgate wiper	
	Heated rear window	
	Extra brake light	

13/10 (Right wheelhousing harness)

On/Off	Color	Remarks
31/1 Ground point right front fender (wing)	SB	
6/2:2 Washer motor front	SB	Not B200F, B230FB/FD/G
6/3:3 Right headlight wiper motor	SB	Not USA/CDN
6/30:2 Tailgate washer motor	SB	Only B200FT, B230FT/FK, D24TIC 5-door
6/39:3 Actuator motor right	BN	Not USA/CDN
7/5:2 Washer fluid level sensor	SB	Not B200F, B230FB/FD/G
7/15:2 Oxygen sensor (HO2S)	SB	Not D24TIC
7/47:2 PTC resistor, pre-heater	SB	Only B200FT, B230FT/FK

13/13 (Left wheelhousing harness on B200F, B230FB/FD/G)

13/13 (Right wheelhousing harness on B200FT, B230FT/FK, D24TIC)

On/Off	Color	Remarks
6/2:1 Washer motor front	BL-R	Only EU/OS
6/3:1 Right headlight wiper motor	BL-R	Only B200FT, B230FT/FK, D24TIC, EU/OS
6/4:1 Left headlight wiper motor	BL-R	Only B200F, B230FB/FD/G EU/OS
2/4:3 Windshield wiper intermittent relay (via connector C3:7 Dashboard harness-Right wheelhousing harness)	BL-R	Only B200FT, B230FT/FK EU/OS
3/12 Switch, windshield wipe/wash (via connector C2:18 Dashboard harness-Left wheelhousing harness)	BL-R	Only B200F, B230FB/FD/G EU/OS

13/14 (Left wheelhousing harness)

On/Off	Color	Remarks
3/12:3 Switch, windshield wipe/wash (via connector C2:4 Dashboard harness-Left wheelhousing harness)	Y	
6/3:2 Right headlight wiper motor	Y	Not USA/CDN
6/4:2 Left headlight wiper motor	Y	Not USA/CDN
16/10:1 Horn 1	Y	
16/11:1 Horn 2	Y	

13/15 (Dashboard harness)

On/Off	Color	Remarks
2/7:5 Central Locking relay	R-W	
6/5:1 Central locking motor passenger side, front (via connector C143:5 at A-post on passenger side)		
6/68:1 Central locking motor driver side front (via connector C144:5 at A-post driver side)	R W	
6/6:1 Central locking motor passenger side rear (via connector C3:38 Dashboard harness-Right wheelhousing harness and connector C149:1 at B-post passenger side)	R-W	
13/85 Branching point (via connector C1:38 Dashboard-Rocker panel (door sill) harness)	R-W	

Branching points

13/16 (Dashboard harness)

	On/Off	Color	Remarks
2/7:3	Central Locking relay	BL-R	
6/5:2	Central locking motor passenger side, front (via connector C143:6 at A-post on passenger side)	BL-R	
6/68:2	Central locking motor driver side front (via connector C144:6 at A-post driver side)	BL-R	
6/6:2	Central locking motor passenger side rear (via connector C3:41 Dashboard harness-Right wheelhousing harness and connector C149:2 at B-post passenger side)	BL-R	
13/86	Branching point (via connector C1:41 Dashboard-Rocker panel (door sill) harness) BL-R	BL-R	

13/19 (Dashboard harness)

	On/Off	Color	Remarks
11/5:4	Fuse	GN-R	
5/1B:4	Combined instrument	GN-R	
10/30:1	Door edge light, driver door (via connector C144:1 at A-post driver side)	GN-R	
10/31:1	Door edge light passenger side front (via connector C143:1 at A-post on passenger side)	GN-R	
10/33:1	Door edge light passenger side rear (via connector C3:29 Dashboard harness-Right wheelhousing harness and connector C149:3 at B-post passenger side)	GN-R	
3/36	Switch, glove compartment lighting	GN-R	
10/114	Make-up mirror lighting, driver side	GN-R	Only USA/CDN

13/22 (Rocker (door sill) panel harness)

	On/Off	Color	Remarks
31/11	Ground point left tail light assy	SB	Only 5-door
31/13	Ground point in cargo area	SB	Only 4-door
6/33-2:4	Fuel pump	SB	
6/34:4	Power antenna	SB	Only 4-door
16/16:4	Antenna booster	SB	Only 5-door
10/17:5	Right tail light	SB	Only 4-door
10/18:5	Left tail light	SB	Only 4-door
10/19:2	High-level brake light	SB	Only 4-door
10/25:2	Cargo area dome light	SB	Only 5-door
13/60	Branching point (via connector C22:6 at tailgate and connector C25:2 at tailgate)	SB	Only 5-door
10/22	Dome light (interior lighting) (via connector C21:3 left B-post)	SB	
D5:3	Towing hitch connector	SB	Not USA/CDN

13/23 (Left wheelhousing harness)

On/Off	Color	Remarks
3/37:1 Horn switch (via connector C2:17)	BL-SB	
16/10:2 Horn 1	BL-SB	
16/11:2 Horn 2	BL-SB	

13/24 (Dashboard harness)

On/Off	Color	Remarks
3/1:50 Ignition switch	P	
3/40:50 Park/Neutral Position (PNP) Switch automatic transmission (via connector C166:6 at CEM)	P	Automatic transmission only
6/25:15 Starter motor (via connector C166:6 at CEM) connector C166:5 at CEM, connector C2:1 Dashboard harness-Left wheelhousing harness and connector C51:5 Left wheelhousing harness-Engine harness)	P	Manual transmission only Not D24TIC
17/1:1 Service socket for turning over starter motor (via connector C2:24 Left wheelhousing harness-Dashboard harness)	P	Only D24TIC engine
4/23:30 Control module LH-Jetronic 2,4 (via connector C3:5 Right wheelhousing harness-Dashboard harness)	P-W	Only B200F, B230FB/FD/G
4/23:30 Control module LH-Jetronic 2,4 (via connector C3:7 Right wheelhousing harness-Dashboard harness)	P-W	Only B200FT, B230FT/FK
4/3:2 Control module, cruise control (via connector C7:5 at steering column, connector C7:6 at steering column and connector C2:43 Dashboard harness-Left wheelhousing harness)	P	Only USA/CDN and Japan with automatic transmission

Branching points

13/25 (Dashboard harness)

	On/Off	Color	Remarks
2/37:3	Main lighting relay (via fuse 11/21)	W	
3/59:4	Beam length control	W	
3/70:1	Rheostat setting	W	
5/1B:13	Combined instrument	W	
10/36	Control panel lighting	W	
10/72	Ashtray lighting, front	W	
10/103	Lighting for switch, heated rear window/power door mirrors	W	
10/104	Lighting for light switch	W	
10/20:1	Left display light	W	Only 4-door
10/21:1	Right display light (via connector C1:6 Dashboard-Rocker panel (door sill) harness)	W	
10/20:1	Left display light	W	Only 5-door
10/21:1	Right display light (via connector C1:6 Dashboard-Rocker panel (door sill) harness) connector C22:2 at tailgate and connector C25:1 at tailgate)	W	
10/9:1	Left side marker light (via connector C2:14 Dashboard harness-Left wheelhousing harness)	W	Only 5-door
16/1:A7	Radio	W	Only EU/OS
16/1:A10	Radio	W	Only USA/CDN
4/6:7	Control module, ECC (via connector D1:1 at dashboard)	W	
4/40:11	MCC climate controls (via connector D1:1 at dashboard)	W	
5/3	Outer temperature sensor (via connector D7:2 outer temp. sensor)	W	

13/26 (Dashboard harness)

	On/Off	Color	Remarks
5/1B:12	Combined instrument	BL	
3/59:2	Beam length control	BL	
3/70:4	Rheostat setting	BL	
10/36	Control panel lighting	BL	
10/72	Ashtray lighting, front	BL	
10/103	Lighting for switch, heated rear window/power door mirrors	BL	
10/40:2	Gear selector light (via connector C139:3 at gear shift selector)	BL	Automatic transmission only
10/39:2	Lighting, switch for heated seat (via connector C9:6 at center console)	BL	
16/1:A8	Radio	BL	Only EU/OS
16/1:A11	Radio	BL	Only USA/CDN
4/6:16	Control module, ECC (via connector D1:1 at dashboard)	BL	
4/40:13	MCC climate controls (via connector D1:1 at dashboard)	BL	
5/3	Outer temperature sensor (via connector D7:1 outer temp. sensor)	BL	

13/29 (Climate unit harness, not shown in diagram)

On/Off	Color	Remarks
11/16 Fuse (via connector C19:1 at dashboard)	SB	
4/6:1, 2 Control module, ECC	SB	
4/40:1, 12 MCC climate controls	SB	
8/2:1 ECC solenoid valves	SB	

13/30 (Climate unit harness, not shown in diagram)

On/Off	Color	Remarks
31/10 Ground point right A-post	W-SB	
2/10:A2 ECC Power stage	W-SB	
4/6:3, 4 Control module, ECC	W-SB	
20/18:1 Blower fan resistor	W-SB	Only MCC
6/28:1 Blower fan	W-SB	Only MCC

13/31 (Climate unit harness, not shown in diagram)

On/Off	Color	Remarks
11/6 Fuse (via connector C160:3,4 at dashboard)	R-SB	
2/10:1 ECC Power stage	R-SB	
4/6:21 Control module, ECC	R-SB	
6/28:1 Blower fan	R-SB	Only ECC

13/32 (Rocker (door sill) panel harness)

On/Off	Color	Remarks
3/10:1 Backup (reversing) light switch (via connector C1:5 Dashboard harness- Rocker panel (door sill) harness, connector C166:7 at CEM and for manual transmission connector C15 at transmission)	SB	Only 5-door EU/OS
10/17:5 Right tail light	SB	Only 5-door EU/OS
10/18:5 Left tail light	SB	Only 5-door EU/OS
D5:8 Towing hitch connector	GR-SB	Only 5-door EU/OS

13/34 (Left wheelhousing harness)

On/Off	Color	Remarks
3/1:15 Ignition switch (via connector C2:28 Dashboard harness-Left wheelhousing harness)	BL	Not D24TIC
4/10:6 Control module EZK (DI) ignition system	BL	Not D24TIC
4/15:4 Ignition Discharge Module (IDM) EZ-K DI system	BL	Not D24TIC
8/17:2 EGR converter	BL	Only EGR system
17/11:4 Data Link Connector DLC	BL	Not D24TIC

Branching points

13/35 (Engine harness)

	On/Off	Color	Remarks
31/32	Engine ground point (power ground)	SB	
2/38:B1	Exhaust Gas Recirculation System (EGR) time relay	SB	Only D24TIC engine
3/50:2	Throttle Position Switch TP	SB	
7/30:2	Pressure Switch Turbo diesel charge pressure	SB	Only D24TIC engine
8/24:2	Exhaust Gas Recirculation 3-way valve	SB	Only D24TIC engine
4/23:17	Control module, LH Jetronic 2,4 MFI (via connector C54:6 Right wheelhousing harness-Engine harness)	SB	
13/62	Branching point (via connector C132:2 Left wheelhousing harness-Engine harness)	SB	Not B200F, B230FB/G EU/OS
4/15:2	Ignition Discharge Module (IDM) EZ-K DI system (via connector C132:2 Left wheelhousing harness-Engine harness)	SB	Only B200F, B230FB/G EU/OS

13/36 (Left wheelhousing harness on B200FT, B230FT/FK)

13/36 (Right wheelhousing harness on B200F, B230FB/FD/G)

	On/Off	Color	Remarks
1/1	Battery	R	Not D24TIC
2/12:2, 4	Relay radio interference suppressor	R	Only B200F, B230FB/FD/G
2/12:4	Relay radio interference suppressor	R	Only B200FT, B230FT/FK
2/23:3	Fuel injection relay (via connector C2:10 Dashboard- Left wheelhousing harness and Fuse 11/1)	R	Only B200FT, B230FT/FK

13/37 (Driver door harness)

	On/Off	Color	Remarks
13/39	Branching point (via connector C144:21 at A-post driver side)	SB	
6/13:3	Power door mirror driver side	SB	
3/16:5	Power window switch, driver door for driver side rear	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	

13/38 (Driver door harness)

	On/Off	Color	Remarks
11/8	Fuse (via connector C144:20 at A-post driver side)	Y-R	
3/15:4	Power window switch, driver door for driver door	Y-R	
3/17:4	Power window switch driver door for front passenger side	Y-R	
3/16:4	Power window switch, driver door for driver side rear	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	

13/39 (Dashboard harness)

	On/Off	Color	Remarks
31/10	Ground point right A-post	SB	
10/115	Vanity mirror lighting passenger side	SB	
10/114	Make-up mirror lighting, driver side	SB	Only USA/CDN
6/14:3	Power door mirror passenger side (via connector C143:21 at A-post passenger side)	SB	
13/37	Branching point (via connector C144:21 at A-post driver side)	SB	
5/3	Outer temperature sensor (via connector D3:4 Alarm and connector D7:4 outer temp. sensor)	SB	
3/70:6	Rheostat setting	SB	
10/104	Lighting for light switch	SB	
10/29	Glove compartment lighting	SB	

13/41 (Right wheelhousing harness)

	On/Off	Color	Remarks
2/23	Fuel injection relay (via connector C3:9 Dashboard harness-Right wheelhousing harness)	BL-Y	Not D24TIC
4/23:9	Control module, LH Jetronic 2,4 MFI	BL-Y	Not D24TIC
7/17:5	Mass air flow (MAF) sensor	BL-Y	Only B200FT, B230FT/FK
7/47:1	PTC resistor, pre-heater	BL-Y	Only B200FT, B230FT/FK
2/12:3	Relay radio interference suppressor	GN-R	Only B200F, B230FB/FD/G
8/5:1	IAC idling valve (via connector C54:3 Engine harness-right wheelhousing harness)	BL-Y	Not D24TIC
13/43	Branching point (via connector C55:6 Engine harness-Right wheelhousing)	GN-R	Only B200F, B230FB/FD/G
7/17:5	Mass air flow (MAF) sensor (via connector C50:5 Right wheelhousing-Engine harness and connector C137:2 Engine harness-Right wheelhousing harness)	BL-Y	Only B200F, B230FT/FK

13/43 (Engine harness)

	On/Off	Color	Remarks
13/41	Branching point (via connector C55:6 Right wheelhousing harness-Engine harness)	GN-R	Only B200F and B230FB/FD/G
8/5:1	IAC idling valve	GN	Only B200F, B230FB/FD/G
8/6:1- 8/9:1	Injectors	GN	Only B200F, B230FB/FD/G

13/44 (Engine harness)

	On/Off	Color	Remarks
4/23:18	Control module, LH Jetronic 2,4 MFI (via connector C55:7 Right wheelhousing harness-Engine harness)	GR	Not D24TIC
8/6:2- 8/9:2	Injectors	GR	Not D24TIC

Branching points

13/47 (Engine harness)

On/Off	Color	Remarks
11/13:3 Fuse (via connector C51:3 Left wheelhousing harness-Engine harness and connector C2:9 Dashboard harness-Left wheelhousing harness)	BL	Only D24TIC engine
3/66:B1 Exhaust Gas Recirculation idling switch	BL	Only D24TIC engine
2/38:4 Exhaust Gas Recirculation System (EGR) time relay	BL	Only D24TIC engine
3/67:1 Aneroid pressure switch	BL	Only D24TIC engine
8/13:1 Diesel fuel valve	BL	Only D24TIC engine

13/49 (Left wheelhousing harness)

On/Off	Color	Remarks
2/12:3 Relay radio interference suppressor	GR	Only B200FT, B230FT/FK
20/1:15 Ignition coil (via connector C132:5 Left wheelhousing harness-Engine harness)	BL	Only B200FT, B230FT/FK
20/15:2 Ballast resistor	GR	Only B200FT, B230FT/FK

13/52 (Dashboard harness)

On/Off	Color	Remarks
3/1:15 Ignition switch	BL-R	
15/9 Fused 15 rail in CEM (via fuse 11/12)	BL-R	
5/1A:2 Combined instrument (fuse 11/41 in the instrument)	BL-R	
11/12 Fuse	BL-R	
11/13 Fuse	BL-R	
11/24 Fuse	BL-R	
20/1:15 Ignition coil (via connector C3:6 Dashboard harness-Right wheelhousing harness)	BL-R	Not D24TIC

13/55 (Right wheelhousing harness)

On/Off	Color	Remarks
8/3:1 A/C magnetic clutch via connector C54:2 Engine harness-Right wheelhousing harness	GN-R	
4/23:14 Control module, LH Jetronic 2,4 MFI	GN-R	Not D24TIC
7/41:2 High-pressure sensor, A/C (via connector C154:3 Right wheelhousing harness-Engine coolant fan FC harness)	GN-R	Not D24TIC

13/60 (Harness registration plate lighting)

On/Off	Color	Remarks
13/22 Branching point (via connector C22:6 at tailgate and connector C25:2 at tailgate)	SB	Only 5-door
6/32:3 Tailgate wiper motor	SB	Only 5-door
10/20:2 Left display light	SB	Only 5-door
10/21:2 Right display light	SB	Only 5-door
9/2:2 Heated rear window	SB	Only 5-door
10/19:2 High-level brake light	SB	Only 5-door

13/61 (Rocker (door sill) panel harness)

On/Off	Color	Remarks
31/13 Ground point in cargo area	SB	Only 4-door
10/18:5 Left tail light	SB	Only 4-door
10/17:5 Right tail light	SB	Only 4-door
10/20:2 Left display light	SB	Only 4-door
10/21:2 Right display light	SB	Only 4-door
3/78:8 Lock module, trunk (boot)	SB	Only 4-door

13/62 (Left wheelhousing harness)

On/Off	Color	Remarks
31/32 Engine ground point (power ground) (via connector C132:2 Left wheelhousing harness-Engine harness)	SB	Only B200FT, B230FT/FK
4/10:14 Control module EZK (DI) ignition system	SB	Only B200FT, B230FT/FK
4/15:2 Ignition Discharge Module (IDM) EZ-K DI system	SB	Only B200FT, B230FT/FK

13/63 (Right wheelhousing harness)

On/Off	Color	Remarks
31/33 Engine ground point (signal ground)	BN	Not D24TIC
4/23:5, 19, 29 Control module, LH Jetronic 2,4 MFI	SB	Only B200FT, B230FT/FK
4/23:19, 29 Control module, LH Jetronic 2,4 MFI	BN-SB	Only B200FT, B230FT/FK with automatic transmission

13/70 (Engine harness)

On/Off	Color	Remarks
31/33 Engine ground point (signal ground)	BN	Not D24TIC
7/37:2 Temperature sensor, EGR	BN	Not D24TIC, B200F, B230FB/FD/G EU/OS
4/10:20 Control module EZK (DI) ignition system (via connector C51:3 Left wheelhousing harness-Engine harness)	BN	Not D24TIC
7/17:1 Mass air flow (MAF) sensor (via connector C55:5 Right wheelhousing harness-Engine harness)	BN	Only B200FT, B230FT/FK
4/23:5 Control module, LH Jetronic 2,4 MFI (via connector C55:5 Right wheelhousing harness-Engine harness)	BN	Only B200F, B230FB/FD/G
13/63 Branching point (via connector C55:8 Right wheelhousing harness-Engine harness)	BN	Not B230FD with manual transmission
4/23:19 Control module, LH Jetronic 2,4 MFI (via connector C55:8 Right wheelhousing harness-Engine harness)	BN	Only B230FD with manual transmission
7/17:2 Mass air flow (MAF) sensor (via connector C132:4 Left wheelhousing harness-Engine harness)	BN	Only B200F, B230FB/FD/G

Branching points

13/75 (Dashboard harness)

On/Off	Color	Remarks
4/9:19 SRS crash sensor module (via connector C11:4 at CEM)	R	Only USA/CDN
4/9:28 SRS crash sensor module (via connector C11:4 at CEM)	R	Only EU/OS
4/16:15 ABS control module (via connector C155:3 at left A-post)	R	
5/1C:3 Combined instrument	R	
4/6:20 Control module, ECC (via connector D1:4 at dashboard)	R	
4/40A:8 MCC climate controls (via connector D1:4 at dashboard)	R	
6/26:D+ Generator (via connector C2:22 Dashboard harness-Left wheelhousing harness) and connector C51:4 Left wheelhousing harness-Engine harness)	R	

13/77 (Dashboard harness)

On/Off	Color	Remarks
2/6:3 Overload relay 15I (via fuse 11/23)	R-SB	
11/23 Fuse	R-SB	
3/29:1 Heated passenger seat switch (via connector C9:9 at center console)	R-SB	
3/28:1 Heated driver seat switch (via connector C9:8 at center console)	R-SB	

13/81 (Dashboard harness)

On/Off	Color	Remarks
3/22:2 Rear power windows switch (via connector C144:9 at A-post driver side)	P	
3/19:4 Power window switch driver side rear (via connector C1:53 Dashboard harness-Rocker panel (door sill) and connector C150:5 at B-post driver side)	P	
3/21:4 Power window switch passenger side rear (via connector C3:53 Dashboard harness-Right wheelhousing harness and connector C149:5 at B-post passenger side)	P	

13/82 (Engine harness)

On/Off	Color	Remarks
3/50:1 Throttle Position Switch TP	OR	Not D24TIC
4/10:7 Control module EZK (DI) ignition system (via connector C51:6 Left wheelhousing harness-Engine harness)	OR	Not D24TIC
4/23:2 Control module, LH Jetronic 2,4 MFI (via connector C54:8 Right wheelhousing harness-Engine harness)	OR	Not D24TIC

13/85 (Rocker (door sill) panel harness)

	On/Off	Color	Remarks
13/15	Branching point (via connector C1:38 Dashboard-Rocker panel (door sill) harness)	R-W	
3/78:6	Lock module, trunk (boot)	R-W	Only 4-door
6/8:1	Central locking motor, tailgate (via connector C23:1 at tailgate)	R-W	Only 5-door
6/7:1	Central locking motor driver side rear (via connector C150:1 at B-post driver side)	R-W	

13/86 (Rocker (door sill) panel harness)

	On/Off	Color	Remarks
13/16	Branch point (via connector C1:41 Dashboard-Rocker panel (door sill) harness)	BL-R	
3/78:7	Lock module, trunk (boot)	BL-R	Only 4-door
6/8:2	Central locking motor, tailgate (via connector C23:2 at tailgate)	BL-R	Only 5-door
6/7:2	Central locking motor driver side rear (via connector C150:2 at B-post driver side)	BL-R	

13/87 (Engine coolant fan (FC) harness)

	On/Off	Color	Remarks
4/23:10	Control module, LH Jetronic 2,4 MFI (via connector C154:1 Right wheelhousing harness-Engine coolant fan FC harness)	BL-SB	Not D24TIC
2/11:B1	Engine coolant fan FC relay	BL-SB	Not D24TIC
7/38:2	Low speed pressure sensor engine coolant fan FC	BL-SB	Not D24TIC

13/88 (Engine coolant fan (FC) harness)

	On/Off	Color	Remarks
4/23:11	Control module, LH Jetronic 2,4 MFI (via connector C154:2 Right wheelhousing harness-Engine coolant fan FC harness)	W-SB	Not D24TIC
2/11:B2	Engine coolant fan FC relay	W-SB	Not D24TIC
7/40:2	High speed pressure sensor engine coolant fan FC	W-SB	Not D24TIC

13/90 (Anti-lock braking system harness)

	On/Off	Color	Remarks
1/1	Battery	R	
8/15:6	ABS hydraulic modulator	R	
8/15:10	ABS hydraulic modulator	R	

Branching points

13/91 (Tunnel harness)

On/Off	Color	Remarks
31/66 Ground point left seat lifter	SB	
3/44:4 Seat belt lock, driver seat	SB	
4/2:31 Overheating cutout, passenger seat	SB	
9/4 Heating element, back rest passenger seat (via connector C31:2 at passenger seat and connector C34:2 below passenger seat)	SB	
4/1:31 Overheating cutout driver seat	SB	
9/3 Heating element driver seat backrest (via connector C32:2 at driver seat and connector C33:2 below driver seat)	SB	

13/92 (Dashboard harness)

On/Off	Color	Remarks
11/25:2 Fuse	GN-R	Not USA/CDN
16/2:A4, A11 Amplifier	GN-R	

13/93 (Left wheelhousing harness)

On/Off	Color	Remarks
4/15:1 Ignition Discharge Module (IDM) EZ-K DI system	R-W	Only USA/CDN
20/1:1 Ignition coil (via connector C132:1 Left wheelhousing harness-Engine harness)	R-W	Only USA/CDN
5/1A:13 Combined instrument (via connector C2:27 Dashboard harness-Left wheelhousing harness)	R-W	Only USA/CDN

13/95 (Power seats harness, not shown in diagram)

On/Off	Color	Remarks
11/3:2 Fuse (via connector C157:1 at CEM)	W-SB	
3/26 Controls module, driver seat (via connector C39:2 at driver seat)	W-SB	
3/27 Controls module passenger seat (via connector C40:1 at passenger seat)	W-SB	
4/29:30 Power seat control module with memory (via connector C158:1 at driver seat)	W-SB	

13/96 (Dashboard harness)

On/Off	Color	Remarks
15/1 Positive terminal block	R	Not D24TIC, USA/CDN
2/37:1 Main lighting relay	R	Not D24TIC, USA/CDN
2/50:1 Overload relay main beam	R	Not D24TIC, USA/CDN

13/97 (Rocker (door sill) panel harness)

On/Off	Color	Remarks
11/5:3 Fuse (via connector C1:29 Dashboard-Rocker panel (door sill) harness)	GN-R	Only EU/OS
10/32:1 Door edge light driver side rear (via connector C150:3 at B-post driver side)	GN-R	Only EU/OS
10/22:4 Dome light (interior lighting) (via connector C21:2 B-post driver side)	GN-R	Only EU/OS
10/24:1 Trunk (boot) lighting	GN-R	Only 4-door EU/OS
10/25:1 Cargo area dome light (via connector C98:1 at power antenna)	GN-R	Only 5-door EU/OS
6/34:1 Power antenna (via connector C98:1 at power antenna)	GN-R	Only 4-door EU/OS

13/98 (Engine coolant fan (FC) harness)

On/Off	Color	Remarks
1/1 Battery	GR	Not D24TIC
2/11:A1 Engine coolant fan FC relay	R	Not D24TIC

13/102 (Dashboard harness)

On/Off	Color	Remarks
31/10 Ground point right A-post	SB	Not USA/CDN
16/2:A1, A14 Amplifier	SB	Not USA/CDN
16/15:3 Compact Disc changer (via connector C167:2 at CD changer)	SB	Not USA/CDN
16/1:A6, A14 Radio (via connector D12:10 at radio)	SB	Not USA/CDN

13/103 (Rocker (door sill) panel harness)

On/Off	Color	Remarks
3/7:5 Foglight switch (+) (via connector C1:15 Dashboard-Rocker panel (door sill) harness)	GR	Only 4-door
10/46:6 Right rear fog light	GR	Only 4-door
10/53:6 Left rear fog light	GR	Only 4-door
D5:2 Towing hitch connector	VO-W	Only 4-door

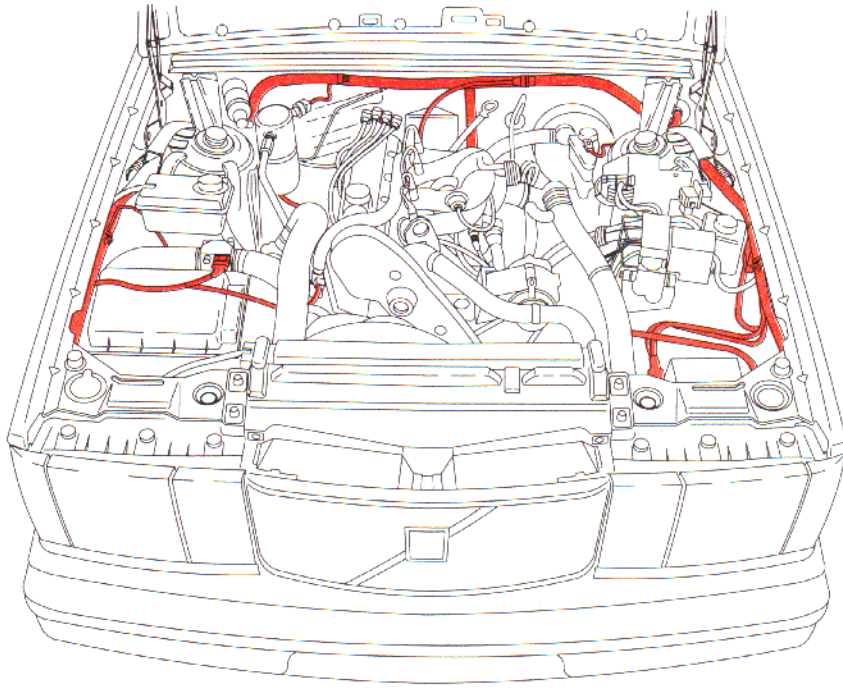
13/105 (Left wheelhousing harness)

On/Off	Color	Remarks
31/2 Ground point left front fender (wing)	SB	
D4:4 connector alarm	SB	
10/9:3 Left side marker light and turn signal, front	SB	
10/1:3, 4 Left front light	SB	
10/15:2 Left side flasher light	SB	Not USA/CDN

13/106 (Right wheelhousing harness)

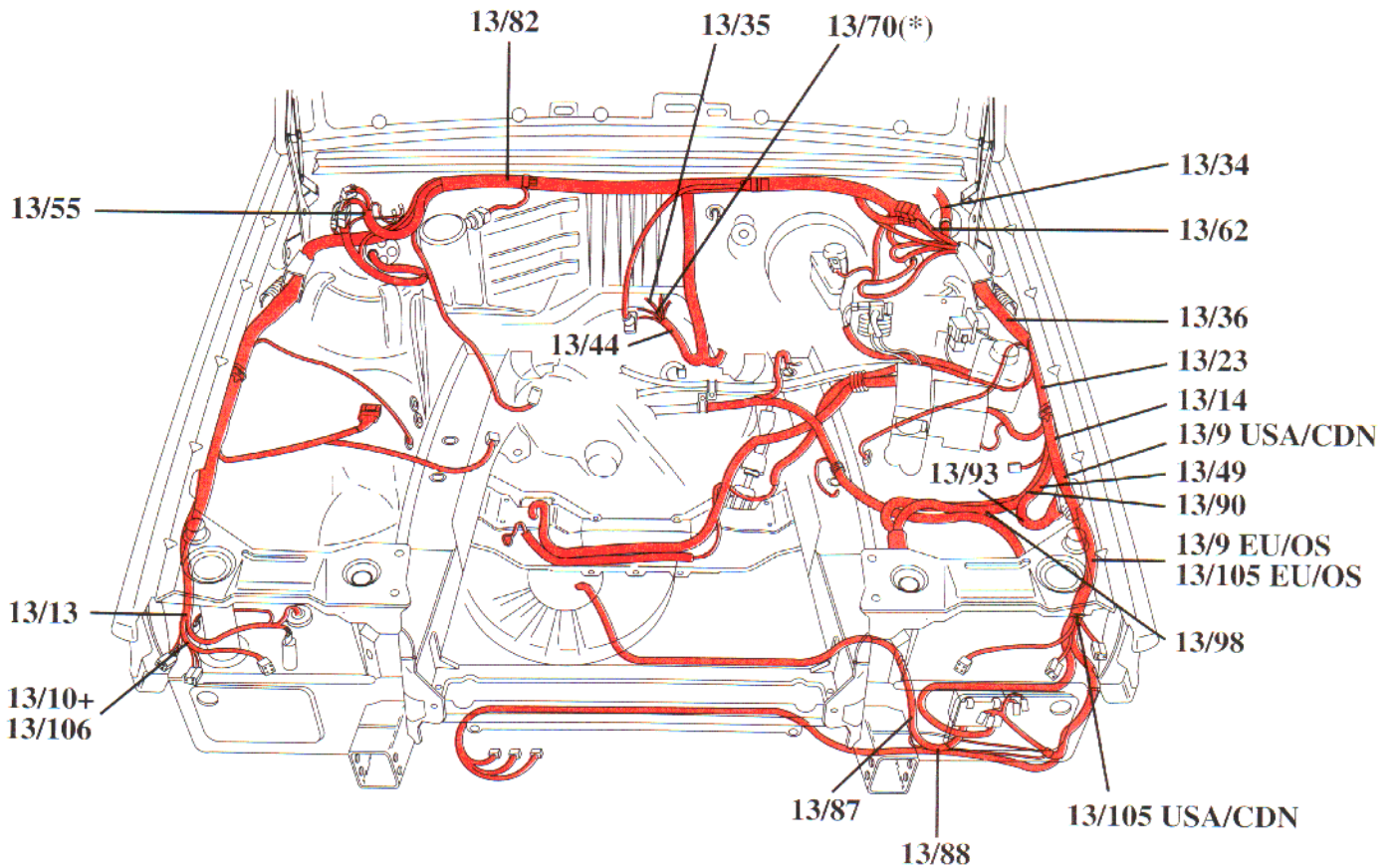
On/Off	Color	Remarks
31/1 Ground point right front fender (wing)	SB	
10/2:3, 4 Right front light	SB	
10/10:3 Right parking light and front turn signal	SB	

Cable harnesses and branching points



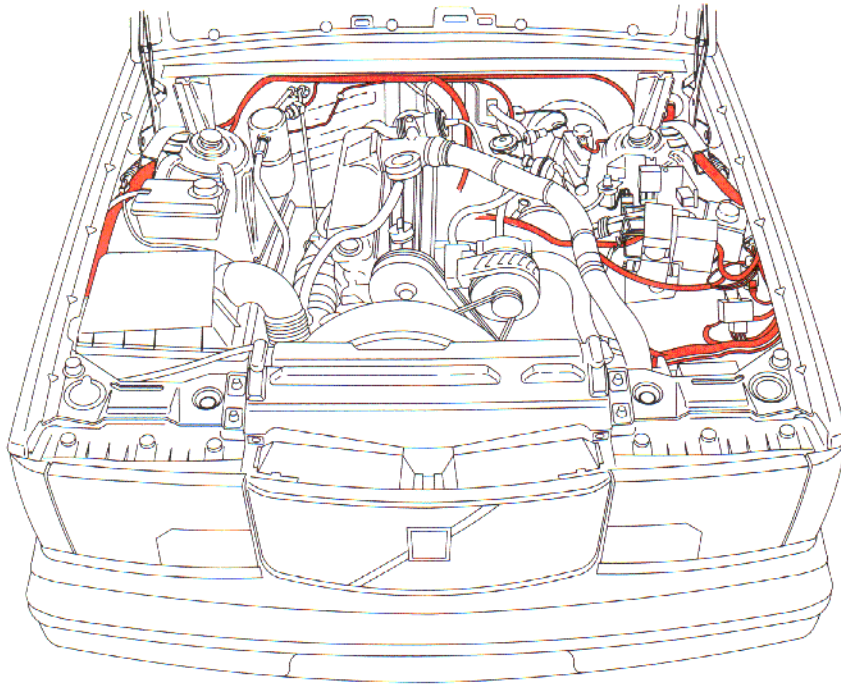
B200FT, B230FK/FT

- Left wheelhousing harness
- Right wheelhousing harness
- Engine coolant (FC) fan
- Engine harness
- Anti-lock braking harness



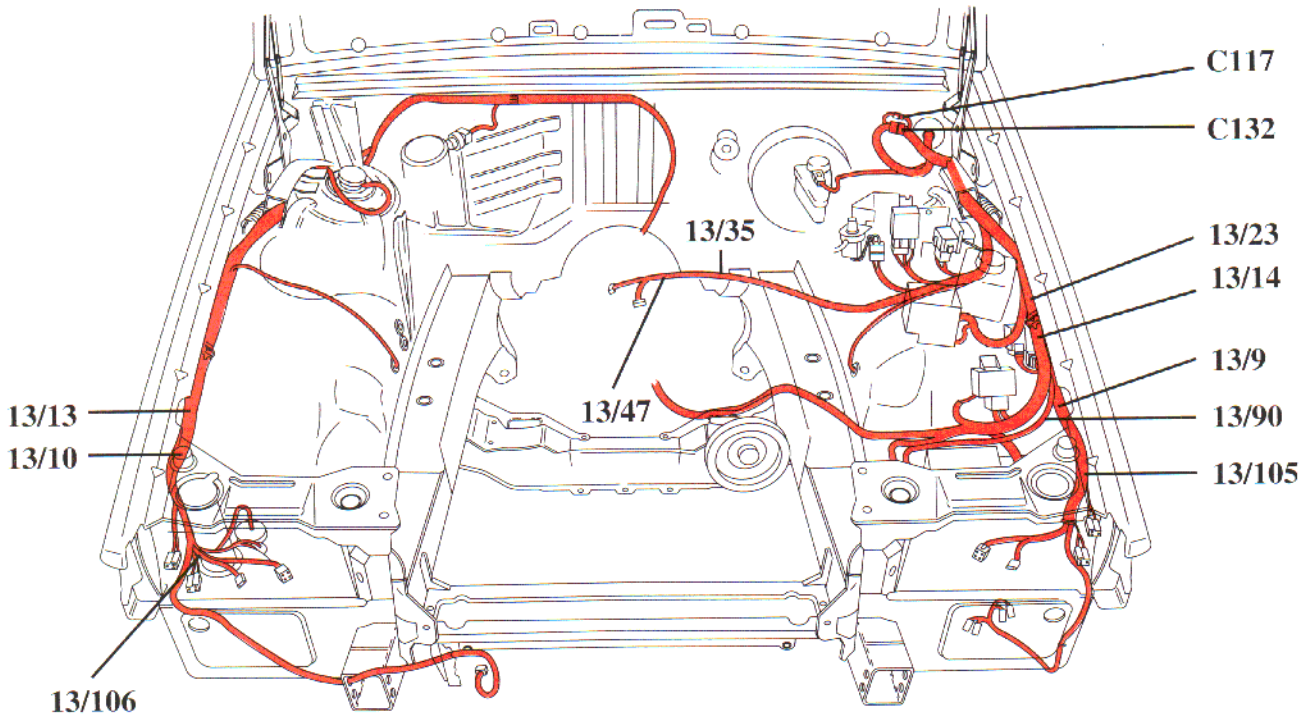
(*) on brown ground cable

Cable harnesses and branching points



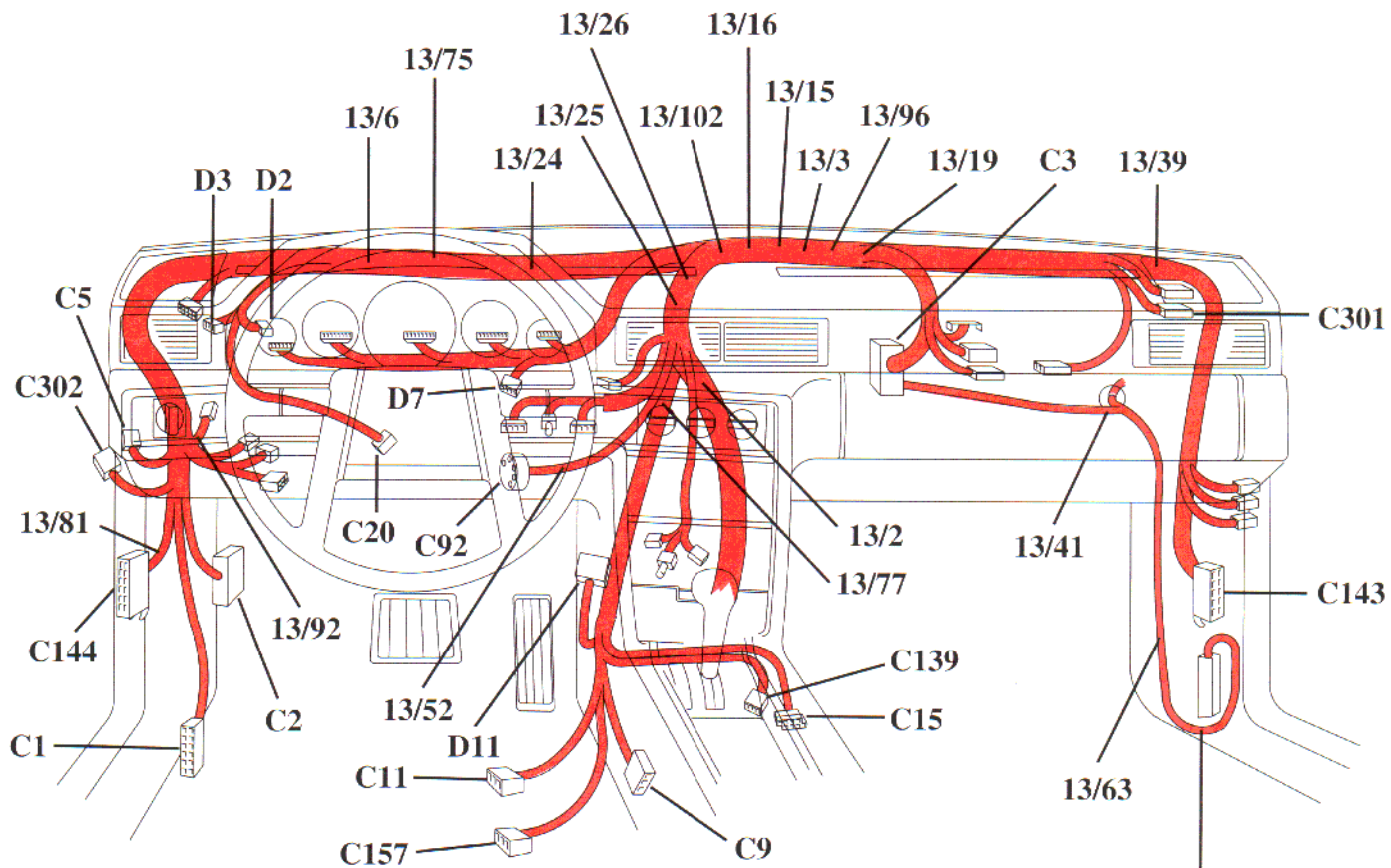
D24TIC

- Left wheelhousing harness
- Right wheelhousing harness
- Engine harness
- Anti-lock braking harness



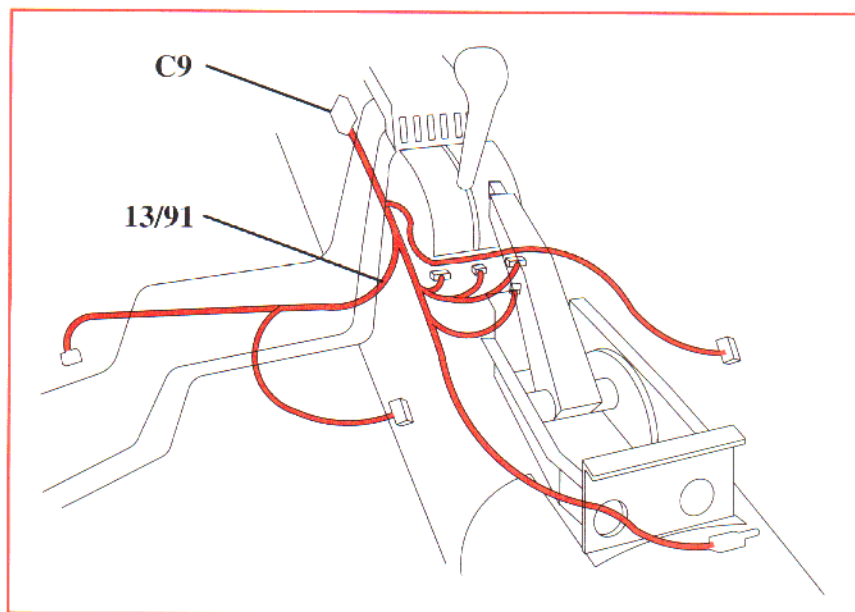
Cable harnesses and branching points

Dashboard harness



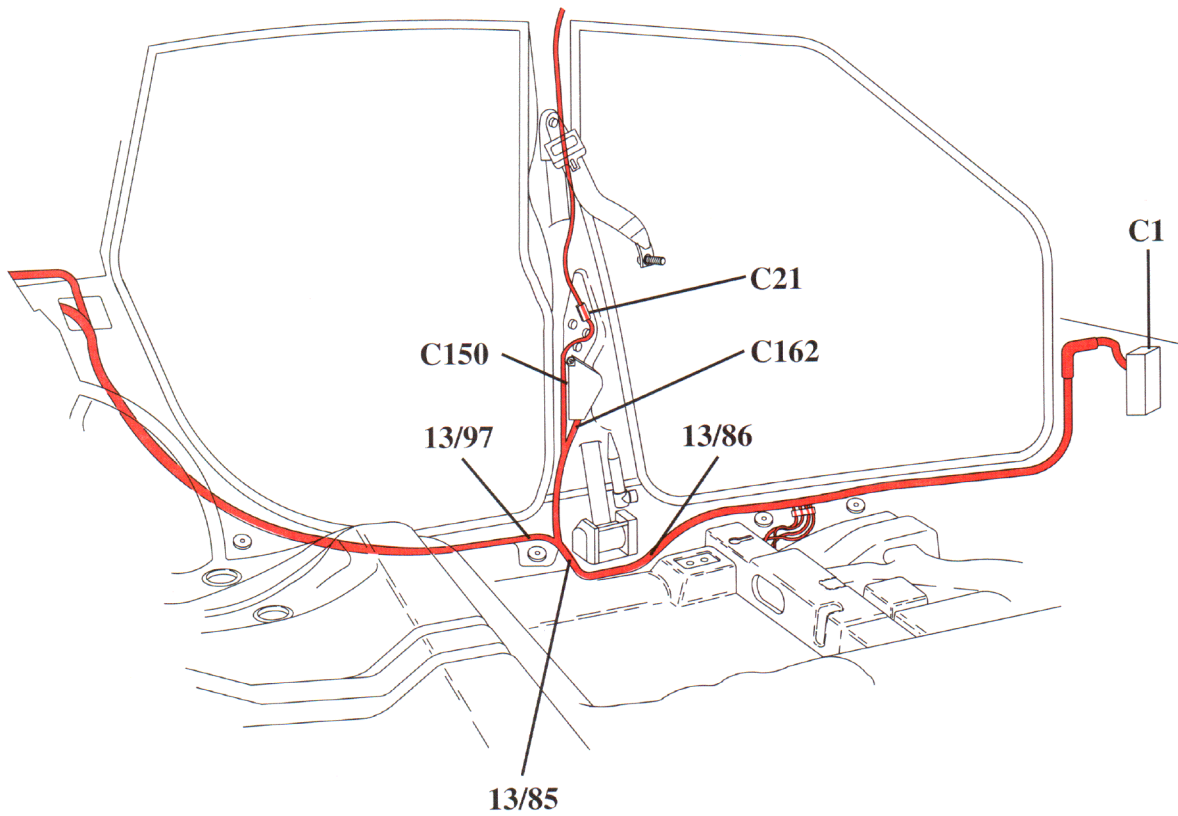
Right wheelhousing harness

Tunnel harness

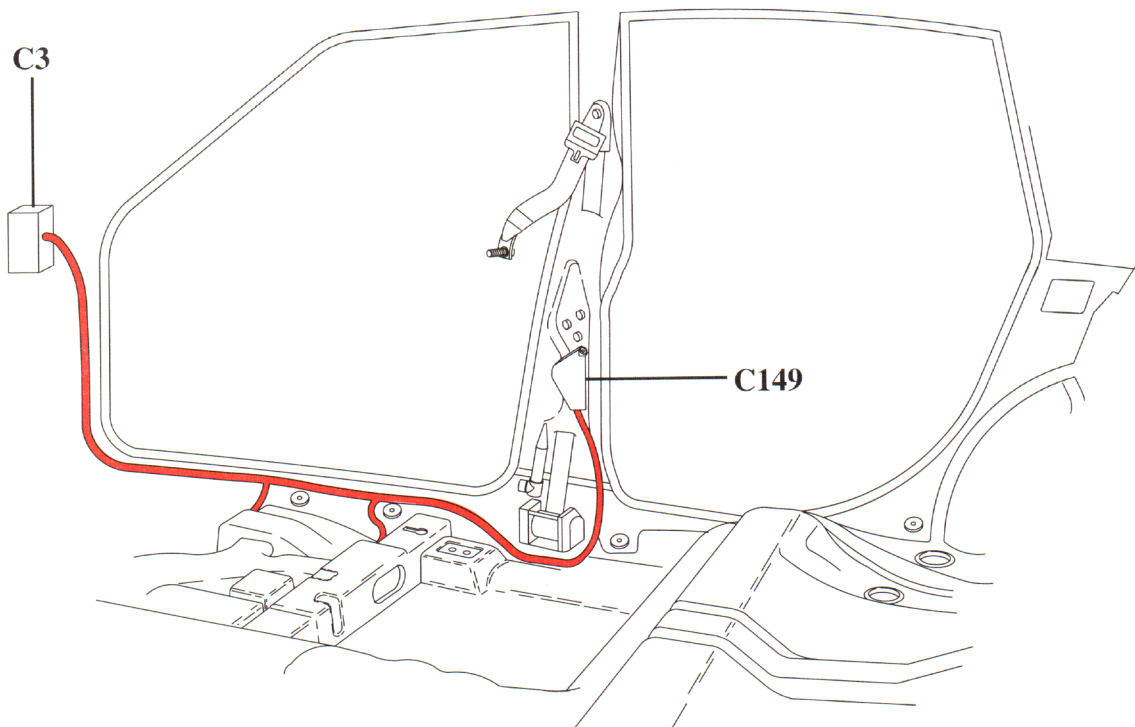


Cable harnesses and branching points

Rocker panel (door sill) harness

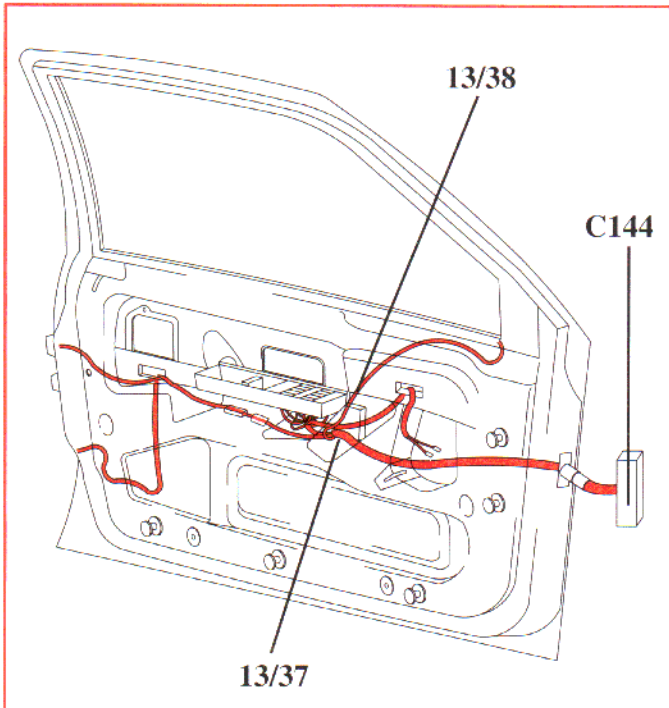


Rocker panel (door sill) harness

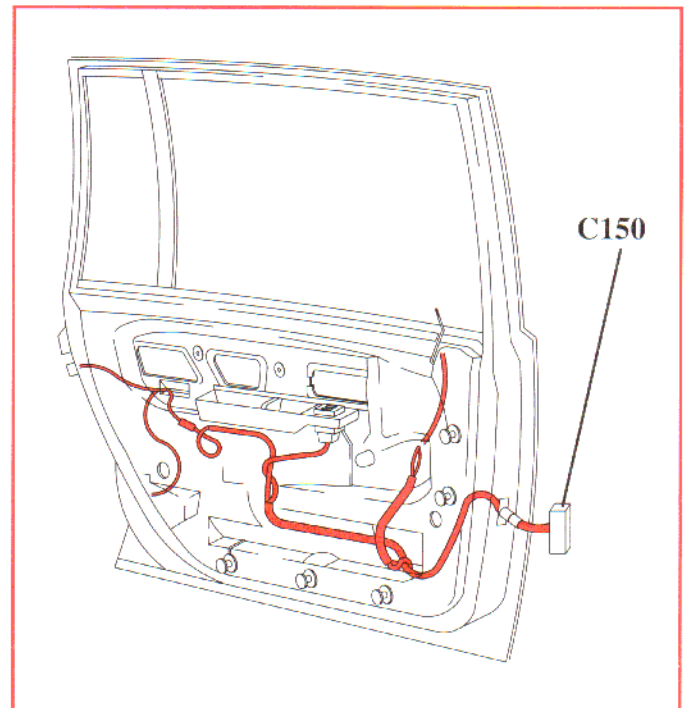


Cable harnesses and branching points

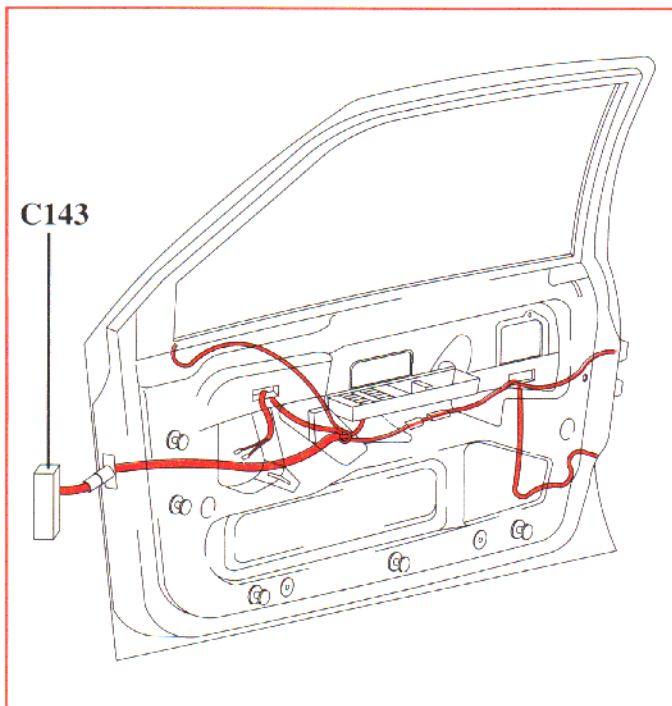
Driver door harness



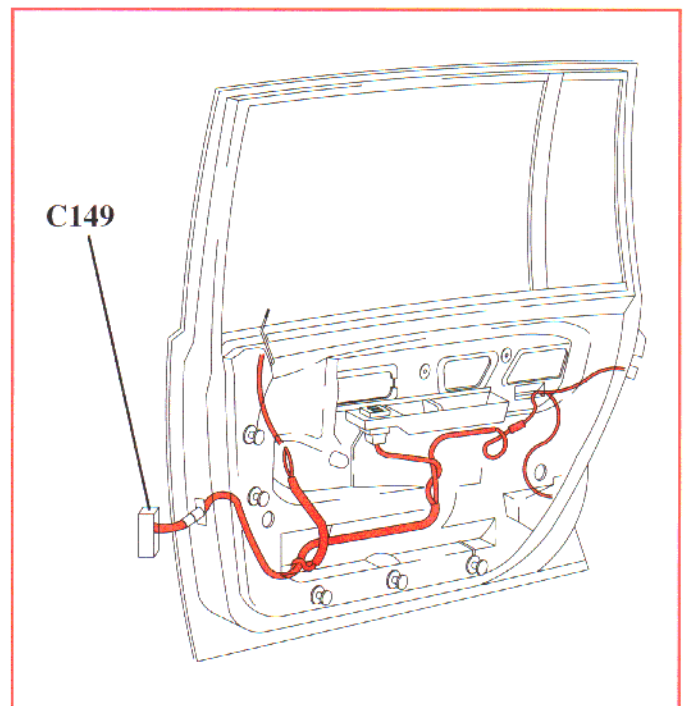
Left rear door harness



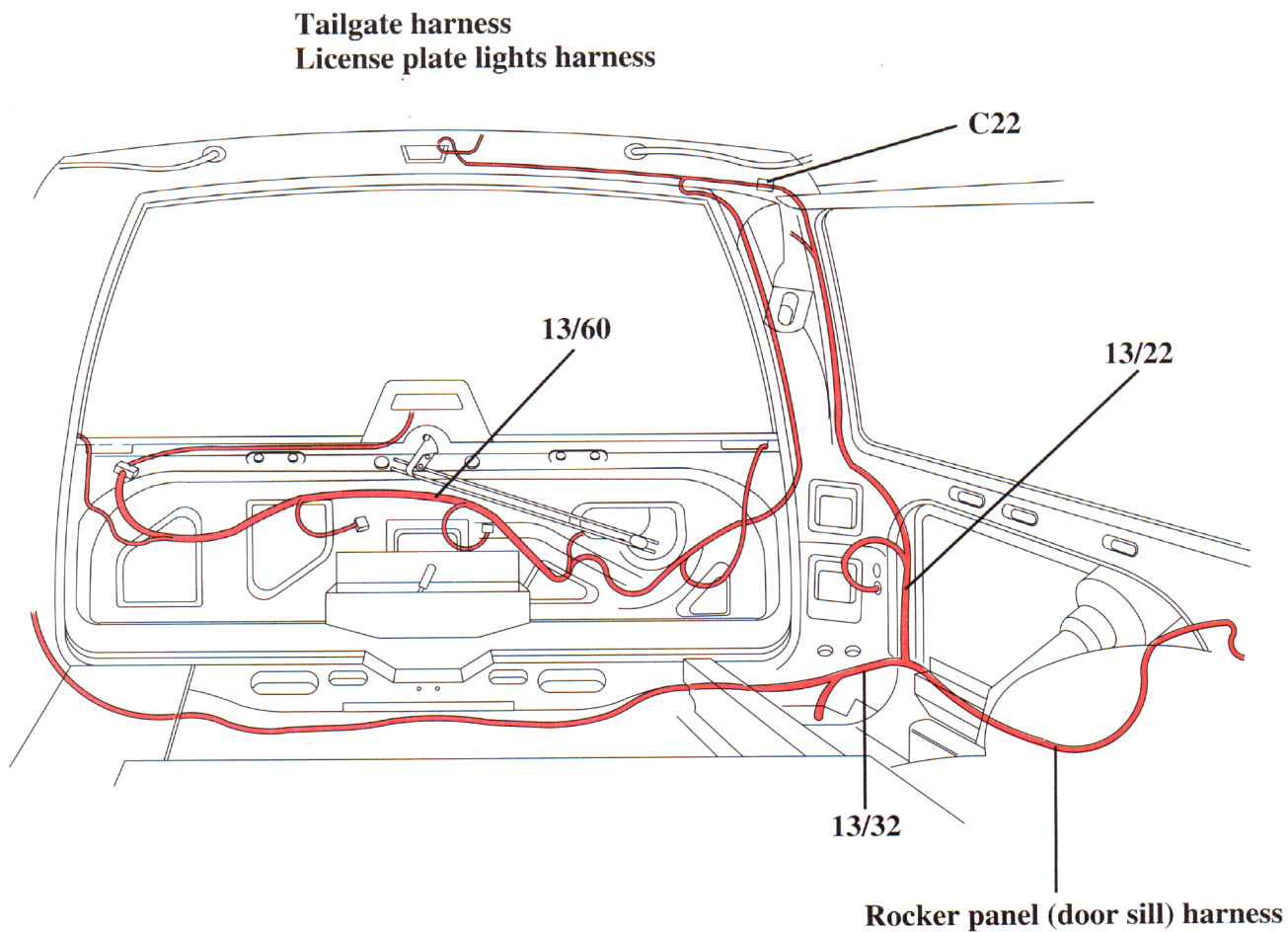
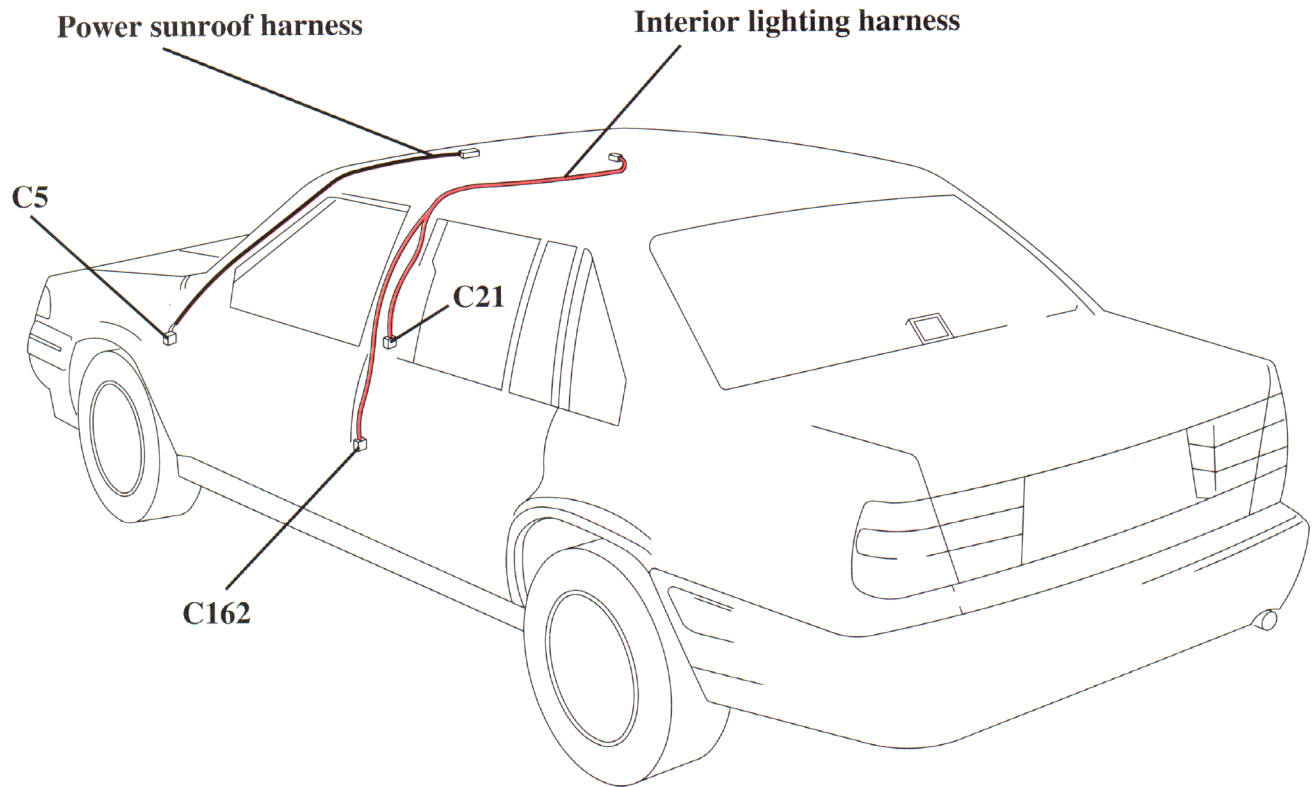
Passenger door harness



Right rear door harness

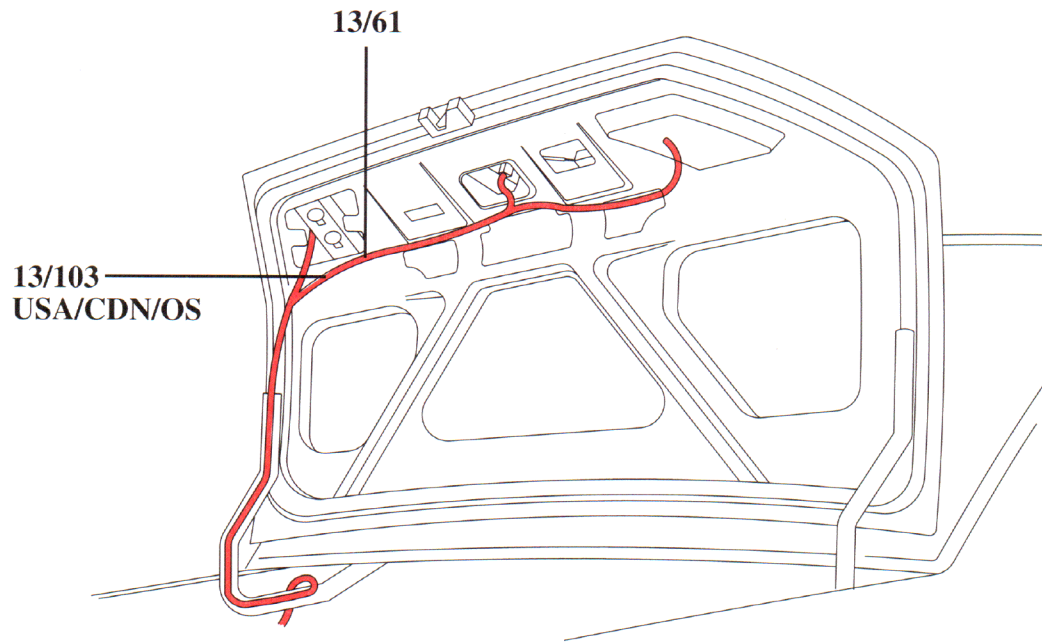


Cable harnesses and branching points

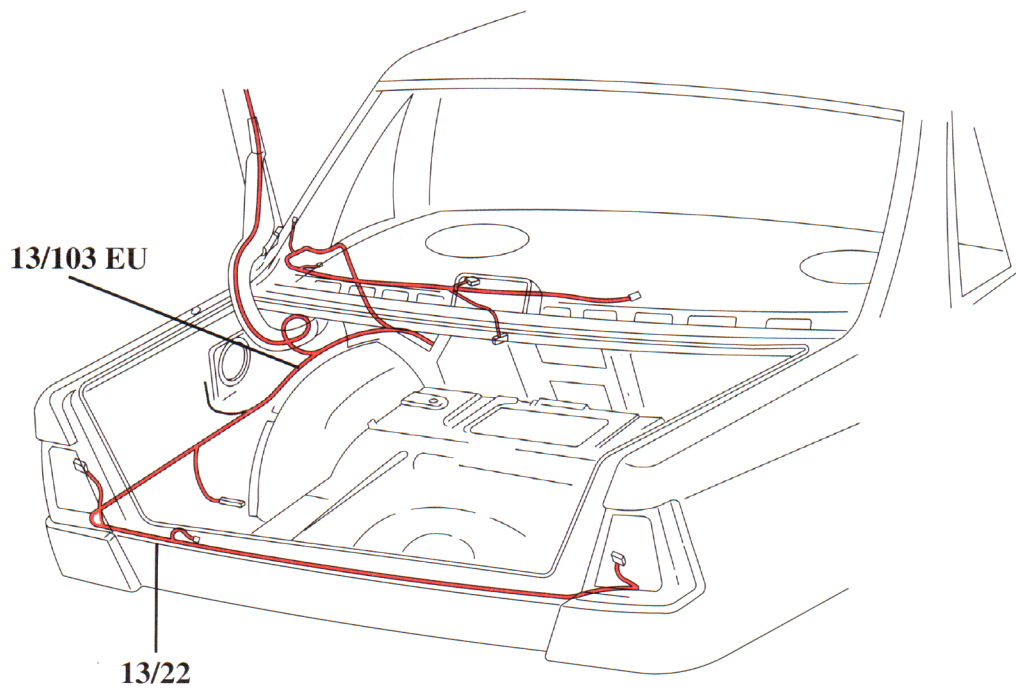


Cable harnesses and branching points

Rocker panel (door sill) harness

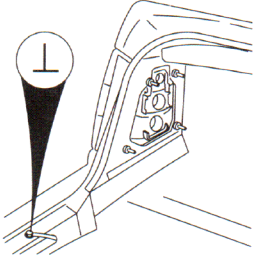


Rocker panel (door sill) harness



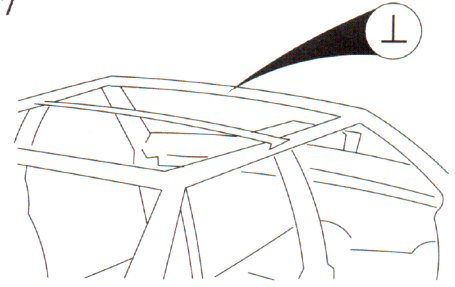
Ground connections

31/13



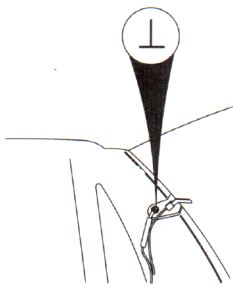
Fuel pump
Tail lights
License plate light
Trunk lighting
High-level brake light
Power antenna
Courtesy light
Reading lights
Tow hitch

31/17

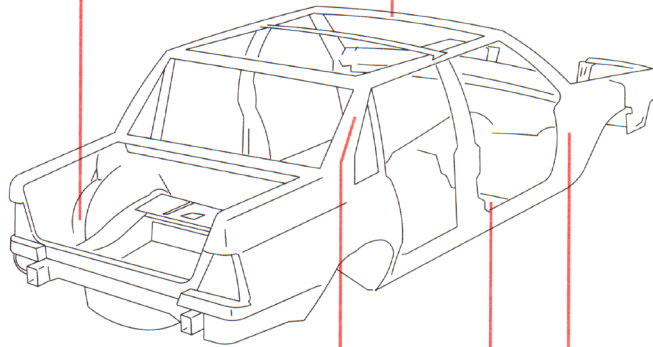


Power sunroof

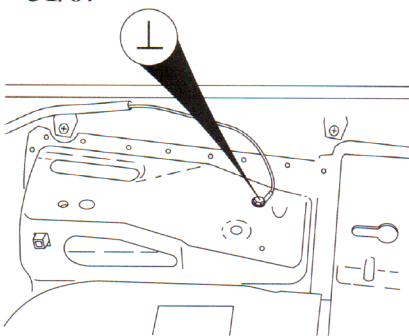
31/5



Heated rear window

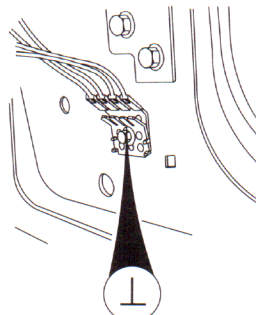


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Right side indicator light

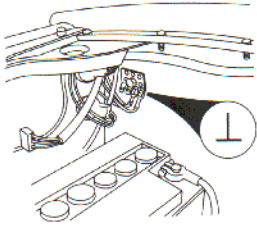
31/10



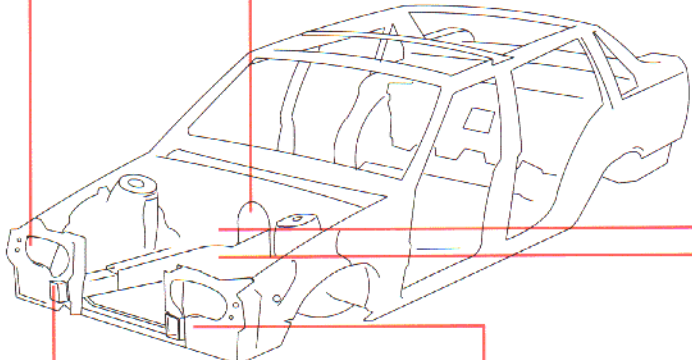
Ground connection rail(31/31)
Blower fan
Power door mirrors
Power windows
Radio
Glove compartment
Separate amplifier, radio
Fog light switch
Combined instrument
Climate unit ECC
Regulator, DIM-DIP
Vanity mirror light
Outer temperature sensor
Cruise control control module
Accessories
Alarm
Compact Disc changer

Ground connections

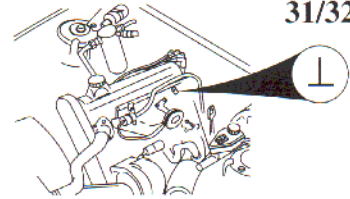
31/1



- Right front light
- Right turn signal, front
- Right parking light assy., front
- Washer motors (B 200 FT, B 230 FK/FT)
- Washer fluid level sensor (B 200 FT, B 230 FK/FT)
- Heating, heated oxygen sensor HO2S (lambdasond)
- Relay radio interference suppressor (B 200 F, B 230 FB/FD/G)
- Right headlight wiper motor
- Hydraulic unit ABS (B 200 F, B 230 FB/FD/G)
- Right fog light
- Right beam width control
- Low speed pressure sensor engine cooling fan FC (B 200 F, B 230 FB/FD/G)
- High speed pressure sensor engine cooling fan FC (B 200 F, B 230 FB/FD/G)
- PTC resistor, pre-heater

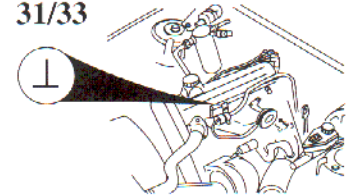


31/32



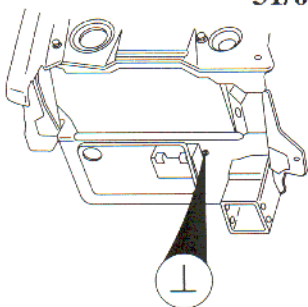
- Control module, LH Jetronic 2.4 MFI
- Control module EZK (DI) ignition system
- Ignition Discharge Module (IDM) EZ-K
- DI system
- Throttle Position Switch TP

31/33



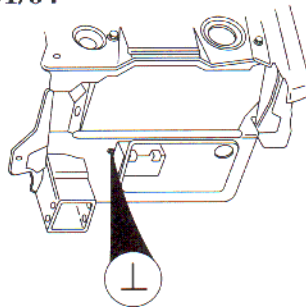
- Control module, LH Jetronic 2.4 MFI
- Control module EZK (DI) ignition system
- Mass air flow (MAF) sensor
- Temperature sensor, EGR

31/64



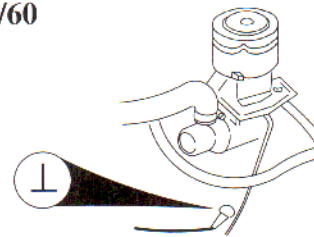
- Engine cooling fan FC
- B 200 F, B 230 FB/FD/G

31/64



- Engine cooling fan FC
- B 200 FT, B 230 FK/FT

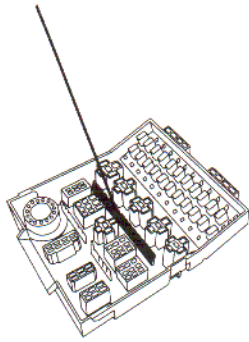
31/60



- Magnetic clutch A/C (Diesel)
- Diesel charge pressure switch
- Exhaust Gas Recirculation System (EGR) time relay
- EGR pressure switch
- Exhaust Gas Recirculation 3-way valve

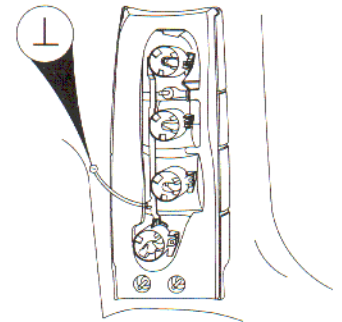
Ground connections

31/31



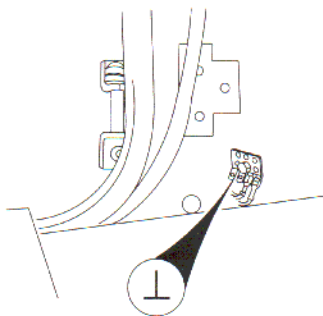
- Overload relay 15I (power windows/heated seats)
- Main lighting relay
- Overload relay main beam
- Combined instrument
- Beam width control
- Fog light switch
- Flasher switch
- Switch, hazard flashers
- Intermittent operation relays
- Switch, el. heated rear window/door mirrors
- Central Locking relay
- Bulb failure warning sensor
- Seatbelt reminder/key warning relay
- Overdrive relay
- Solenoid, P-shift lock
- Central locking motors
- Sunroof
- Relay, exhaust temperature sensor (Japan)
- Lighting controls
- Cigar lighter

31/12

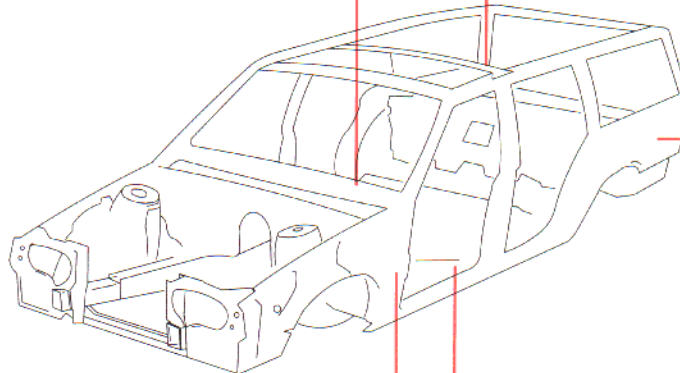


Right tail light

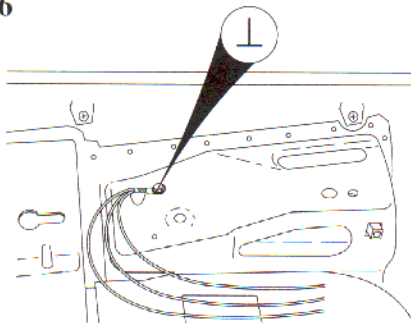
31/6



ABS control module

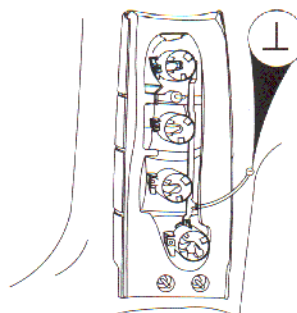


31/66

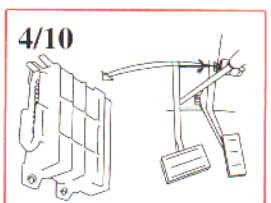
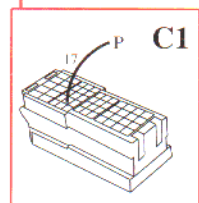
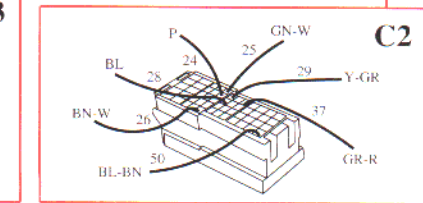
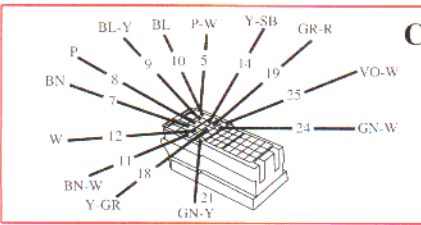
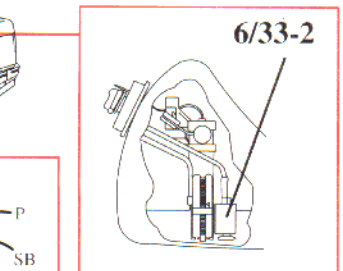
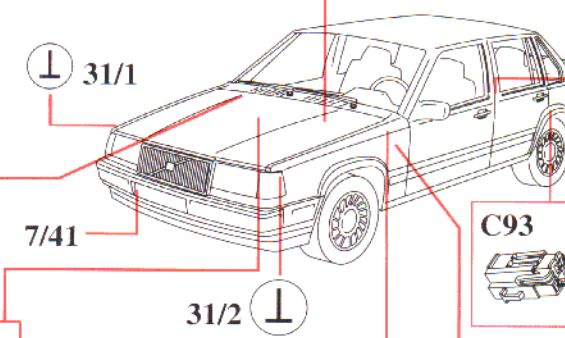
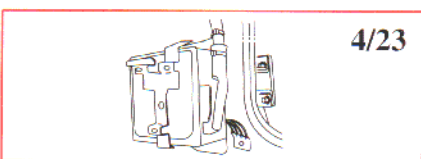
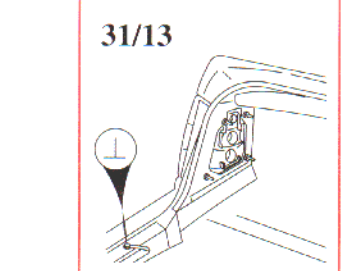
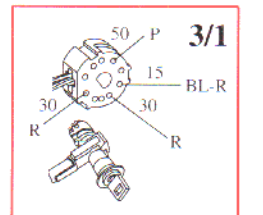
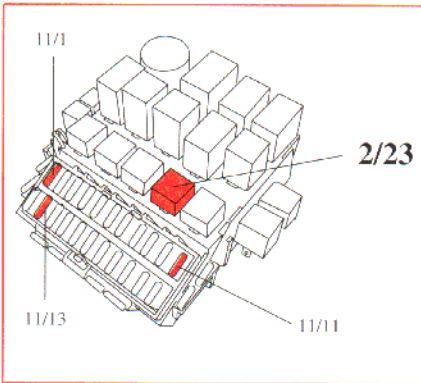
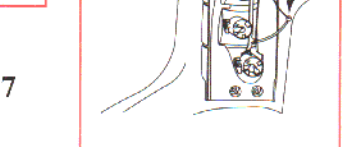
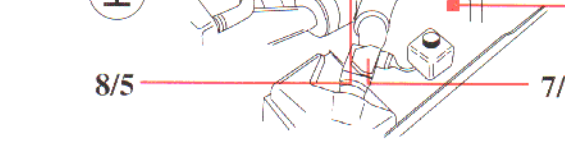
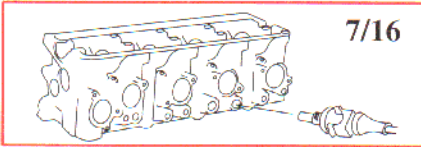
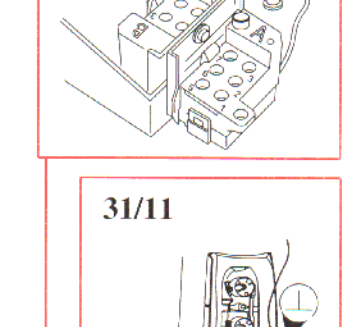
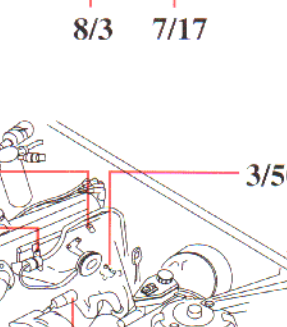
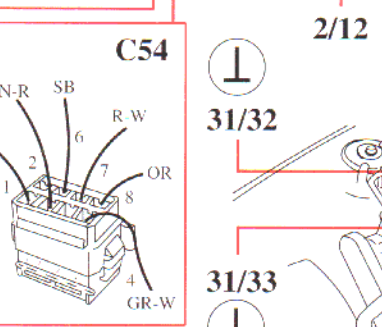
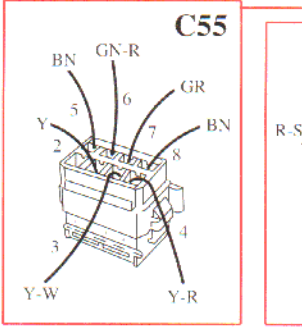
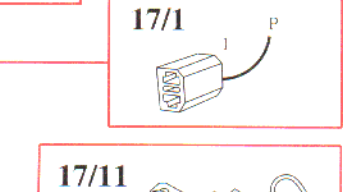
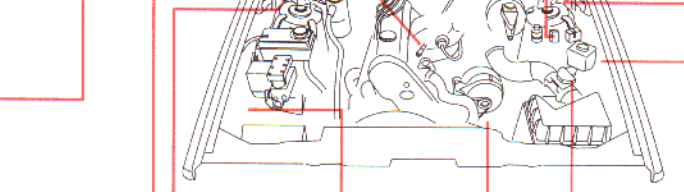
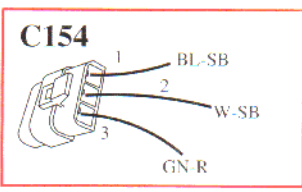
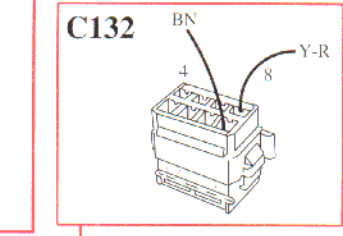
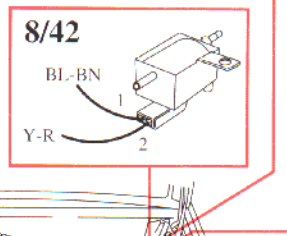
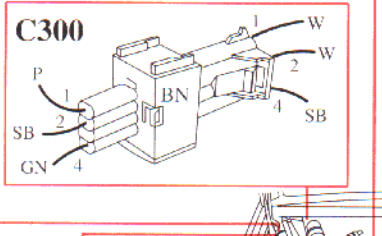
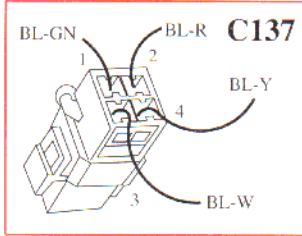
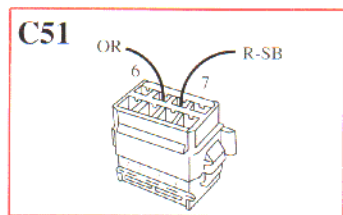
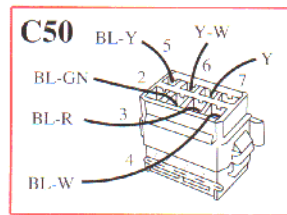
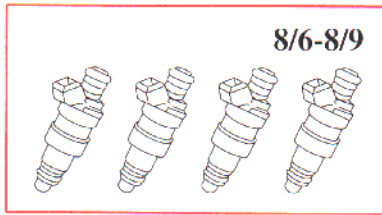
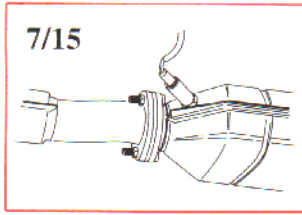


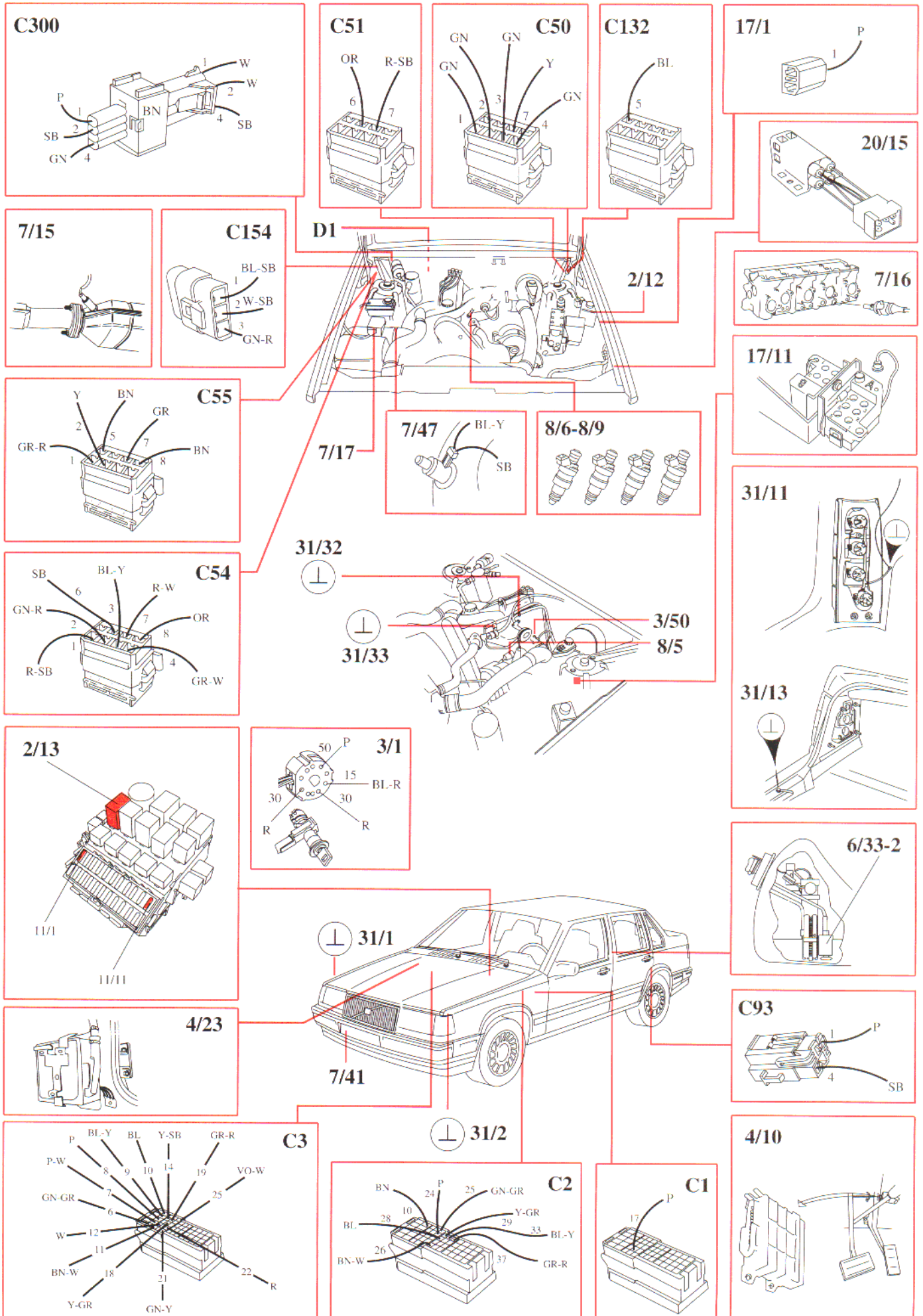
- Cruise control control module
- Combined instrument
- Seat belt lock, driver seat
- Radio
- Separate amplifier, radio
- Compact Disc changer
- Switch, heated seat
- Power seat

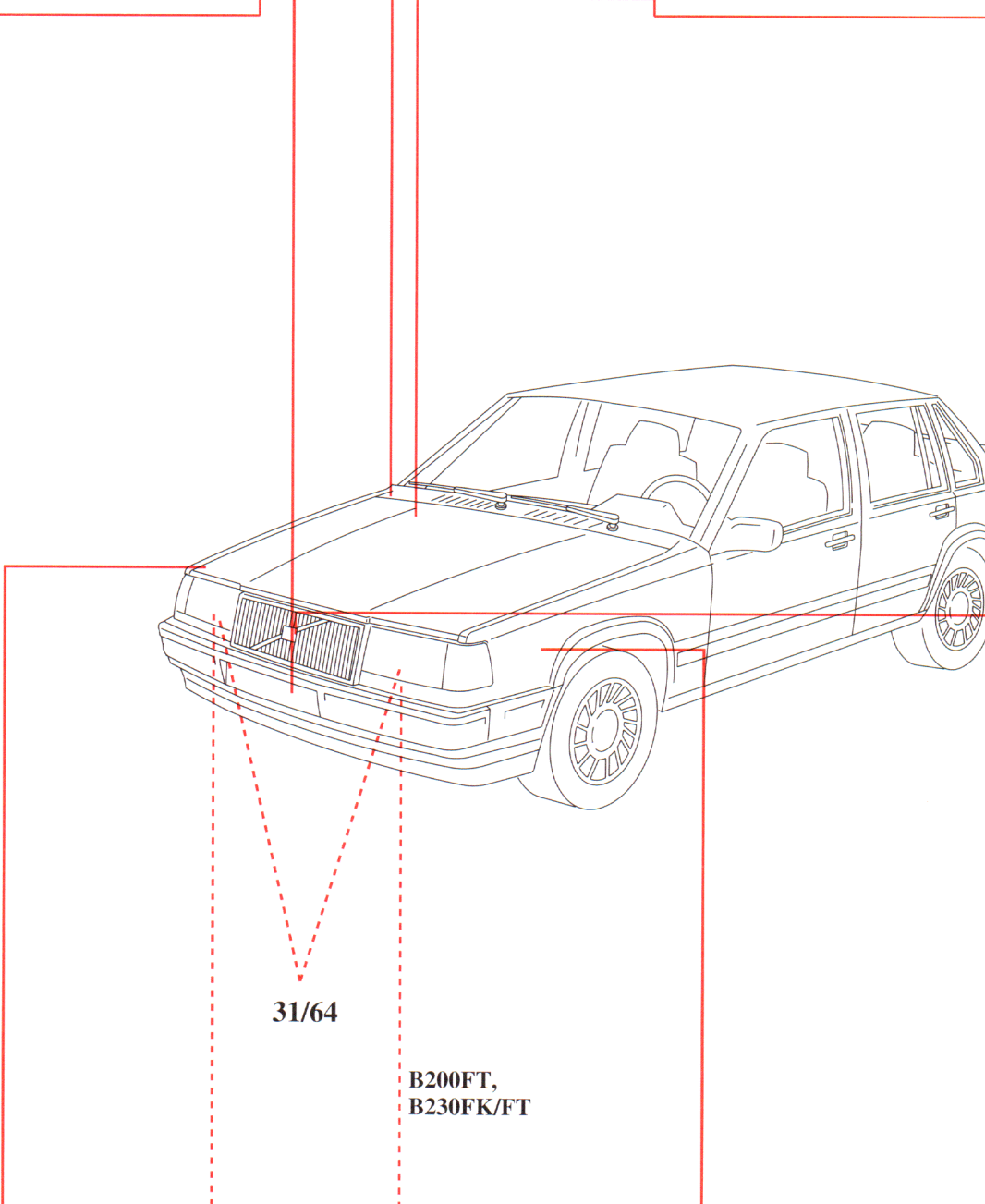
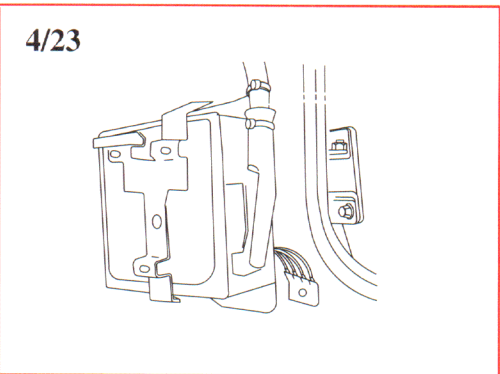
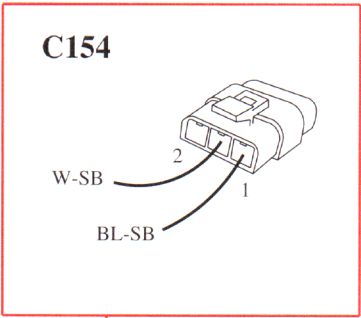
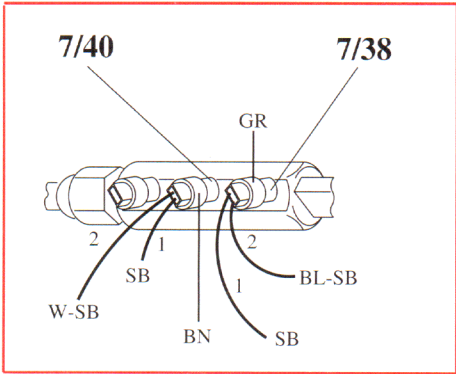
31/11



- Left tail light
- High-level brake light
- Antenna
- Tailgate wiper motor
- Trunk lighting
- License plate light
- Fuel pump
- Courtesy light
- Reading lights
- Tow hitch
- Heated rear window

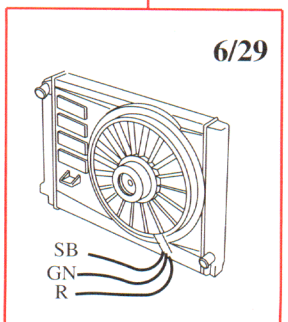
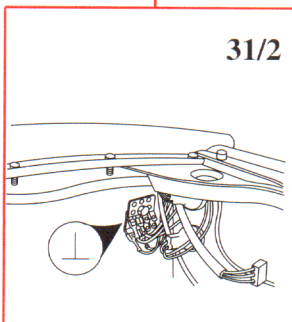
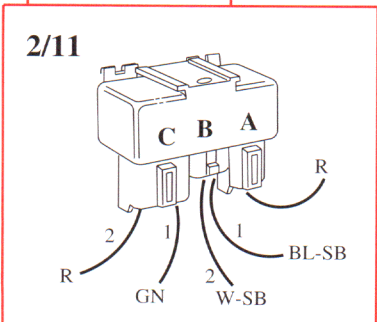
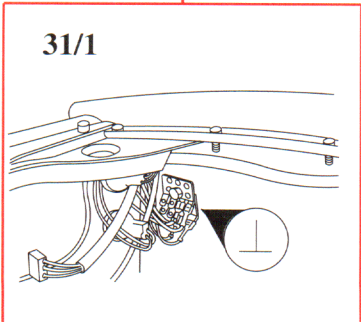


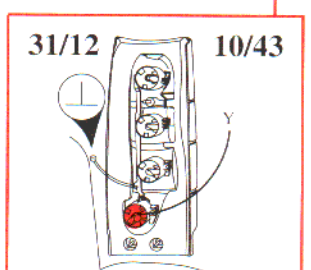
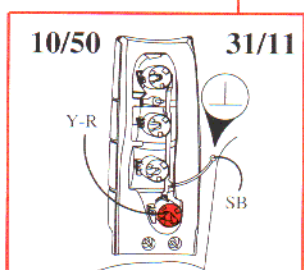
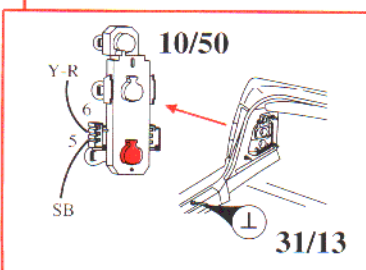
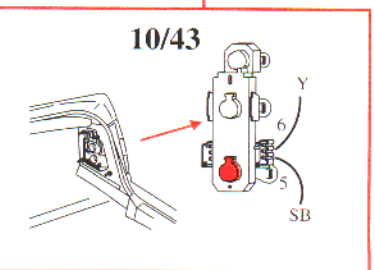
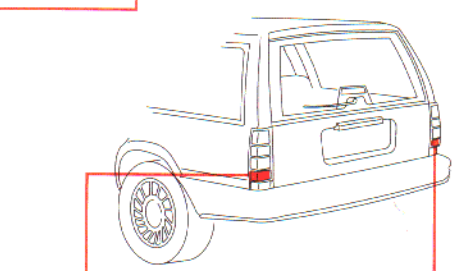
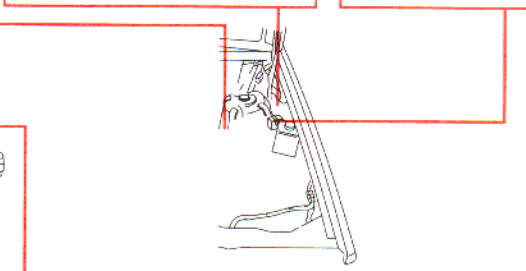
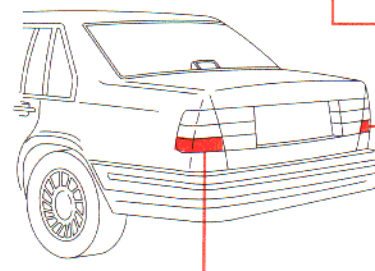
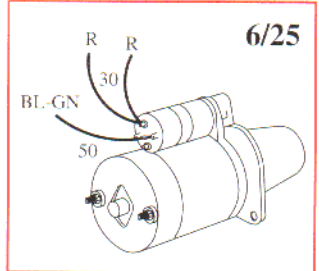
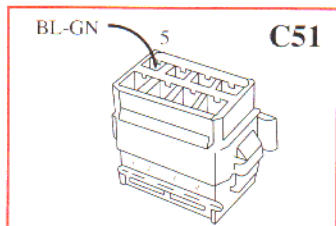
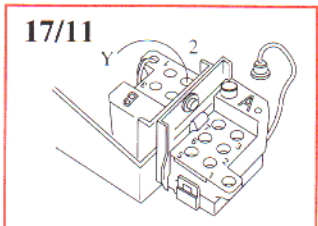
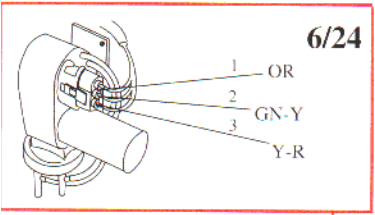
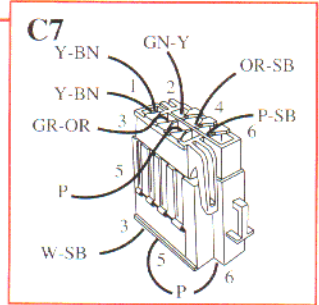
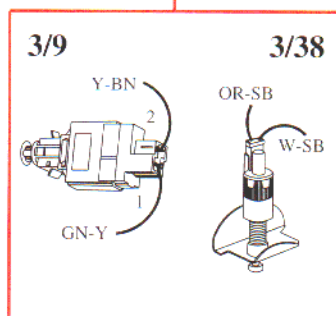
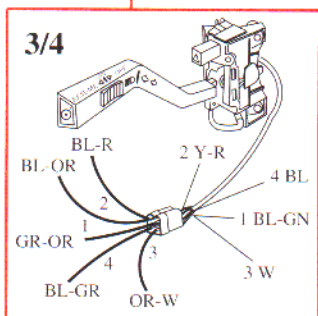
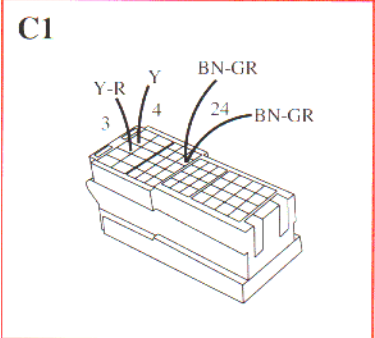
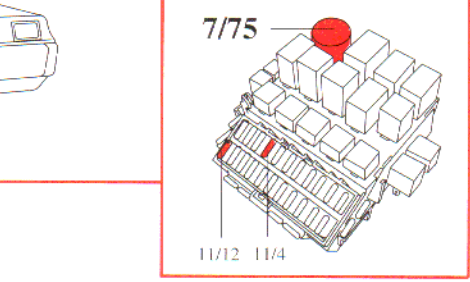
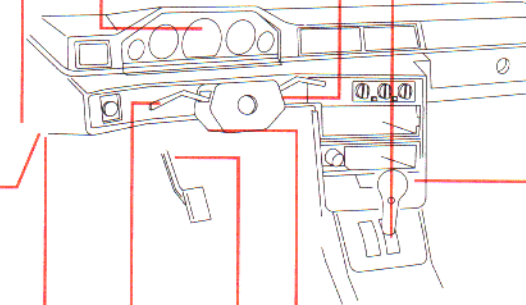
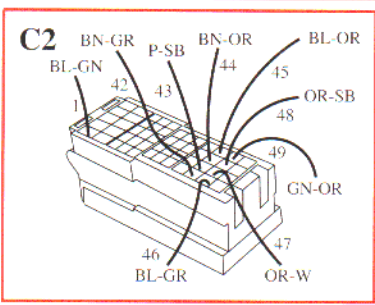
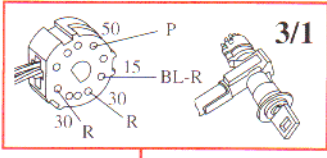
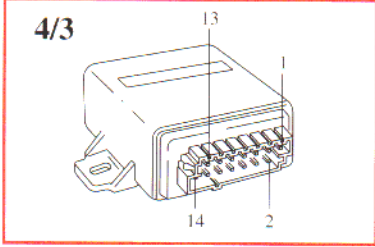
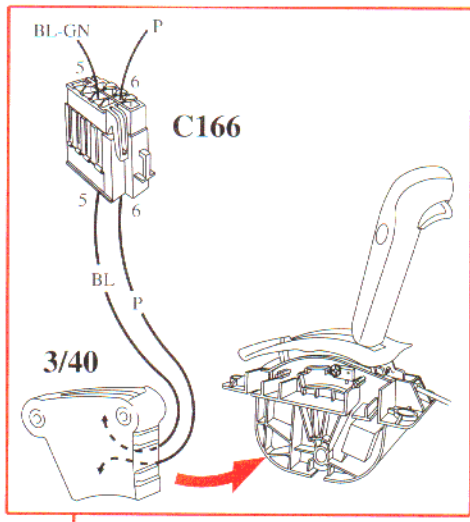
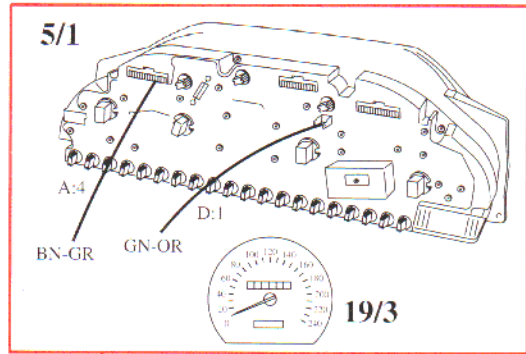
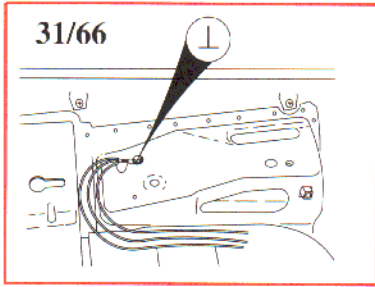


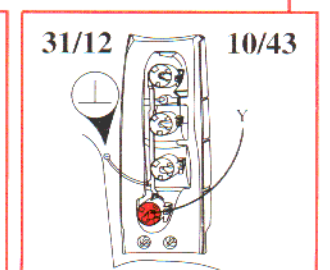
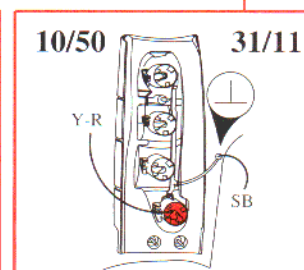
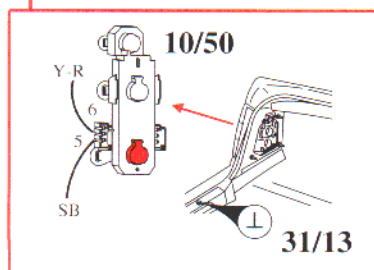
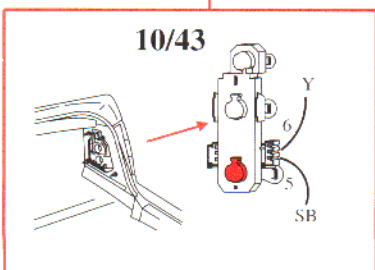
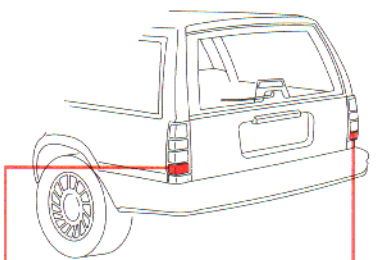
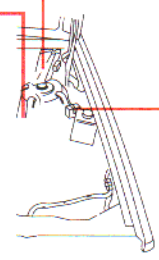
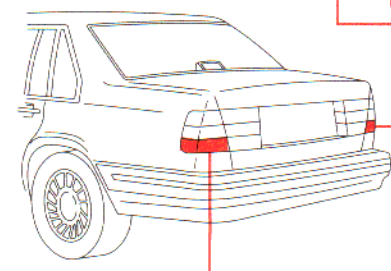
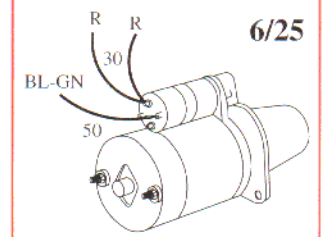
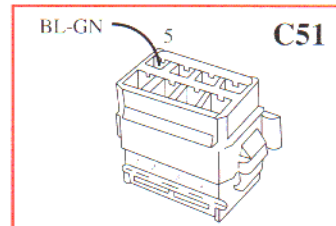
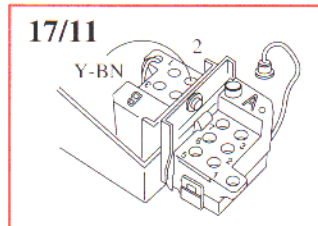
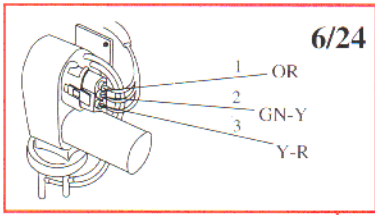
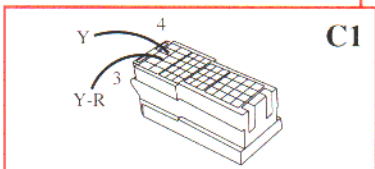
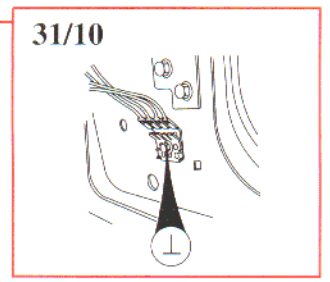
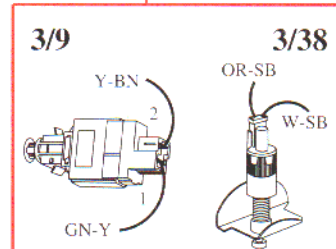
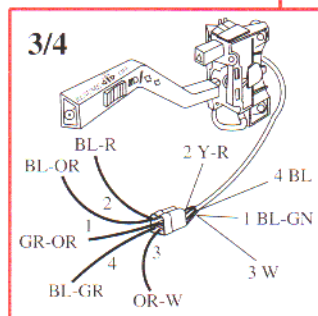
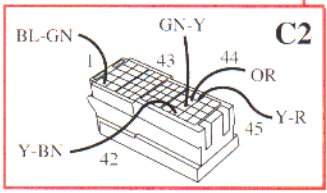
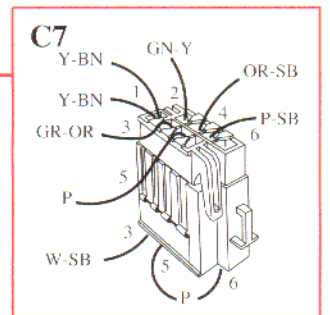
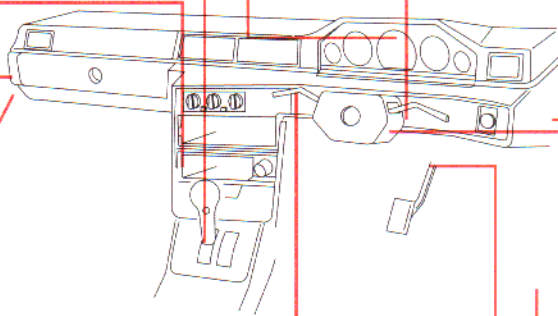
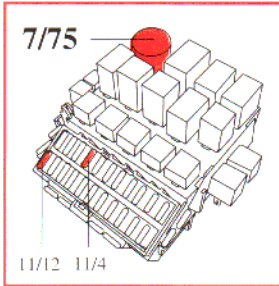
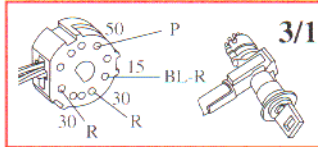
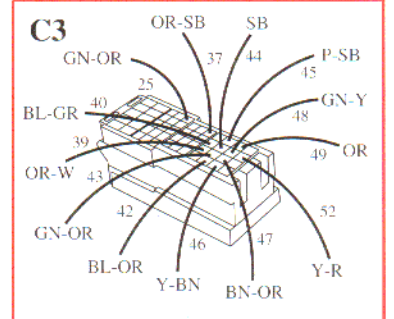
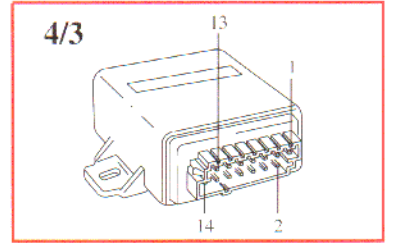
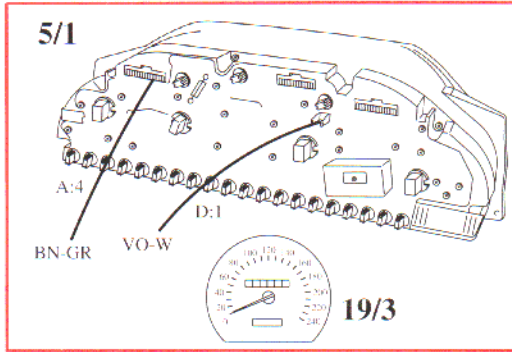
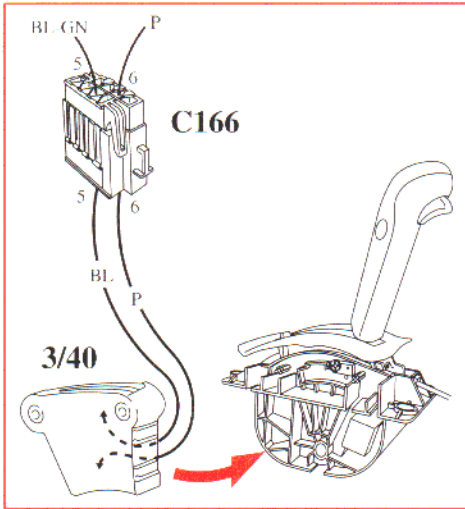


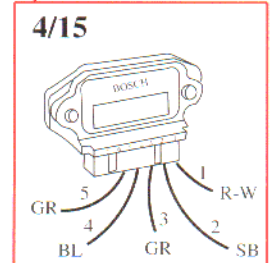
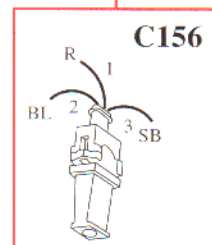
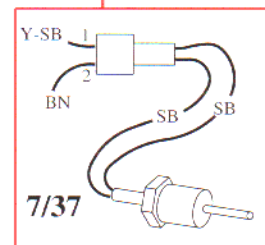
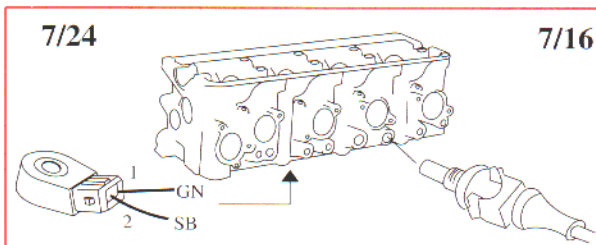
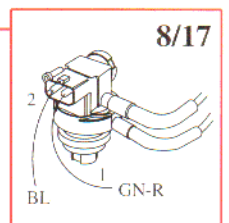
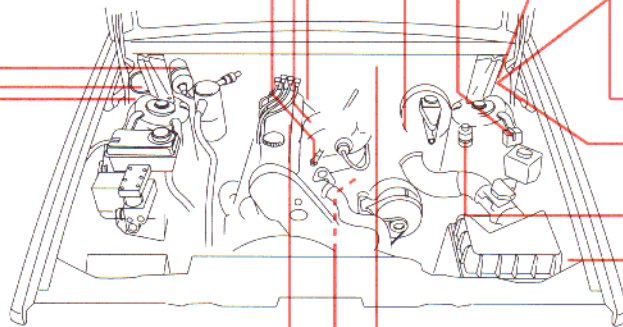
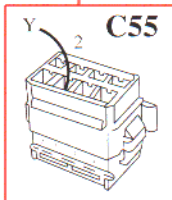
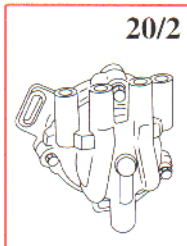
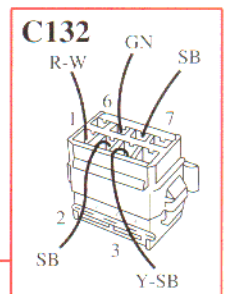
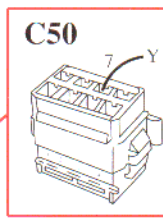
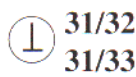
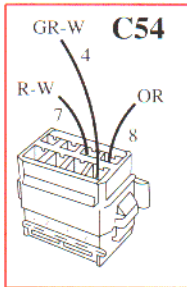
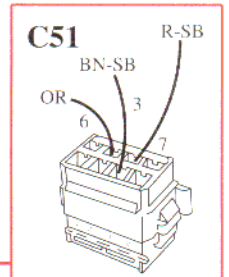
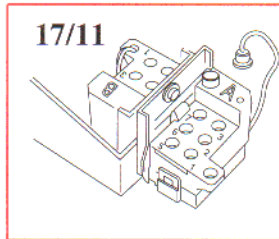
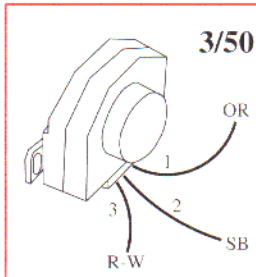
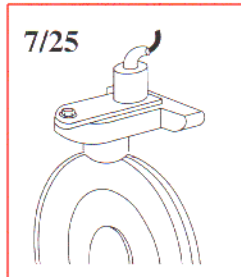
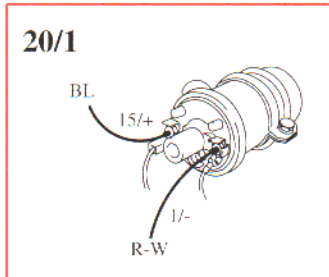
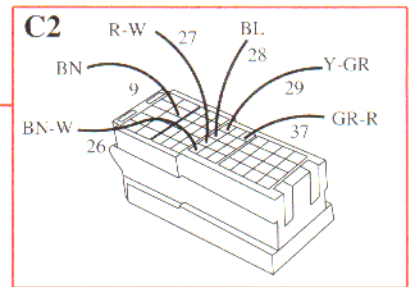
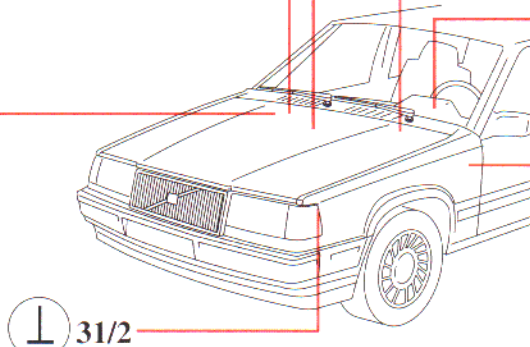
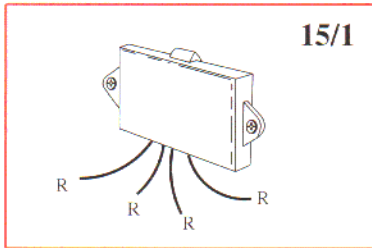
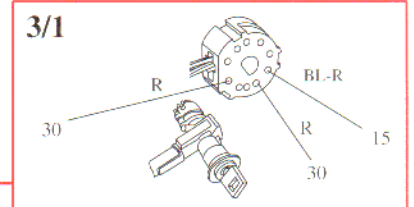
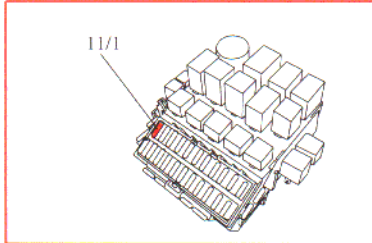
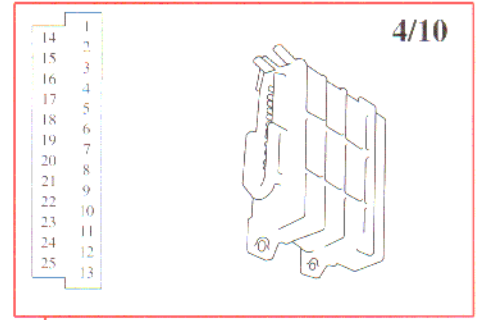
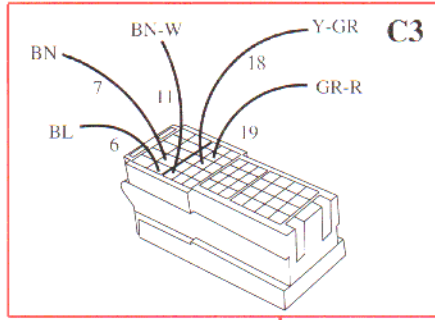
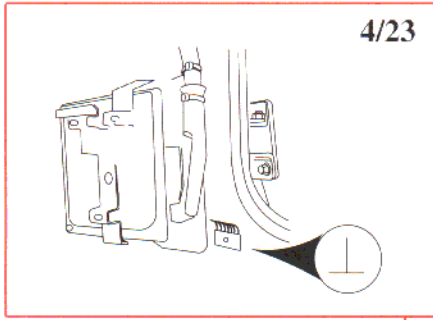
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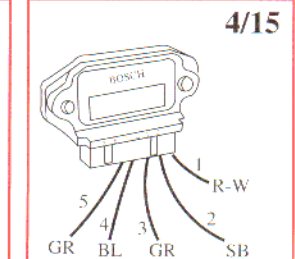
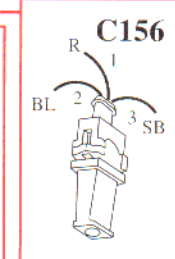
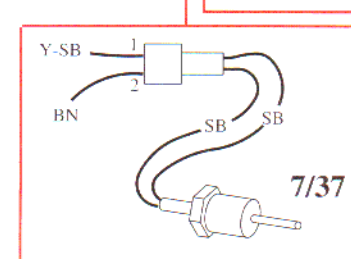
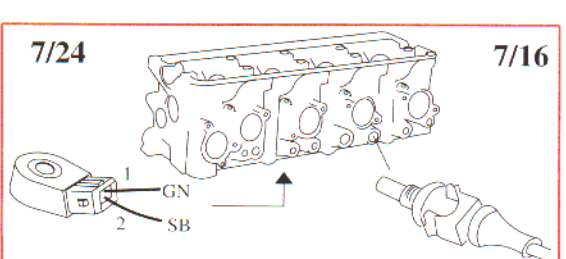
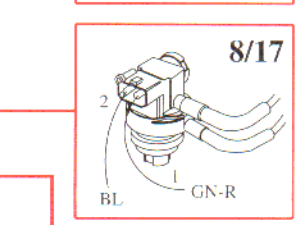
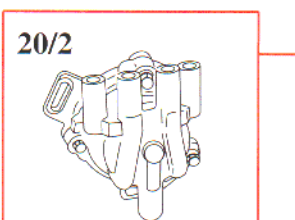
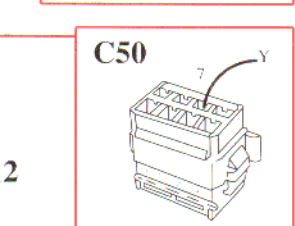
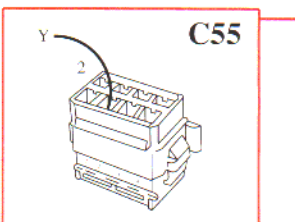
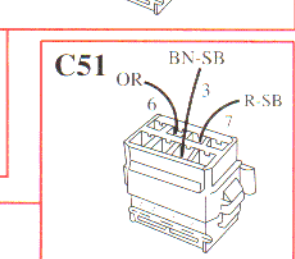
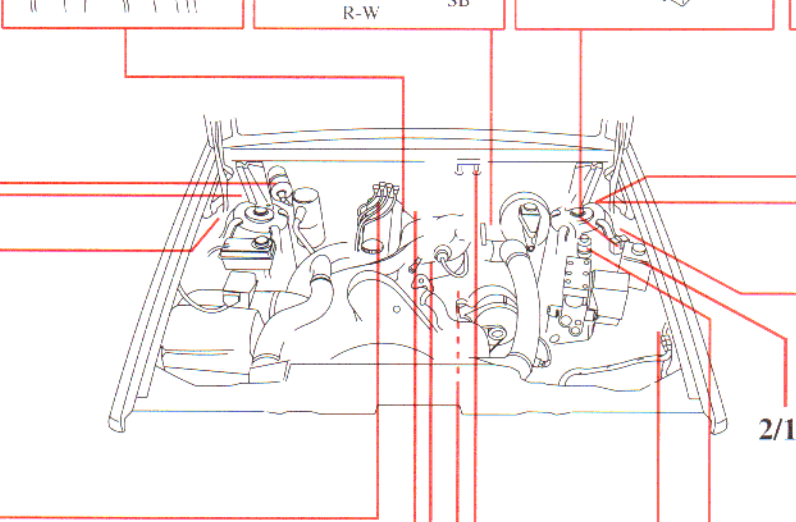
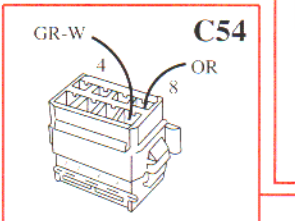
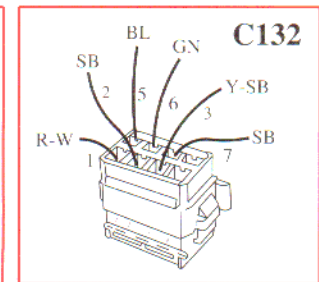
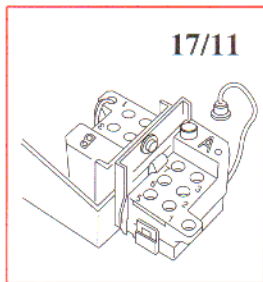
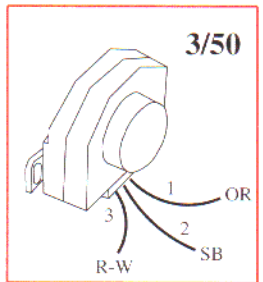
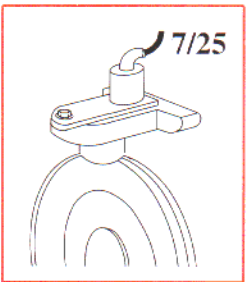
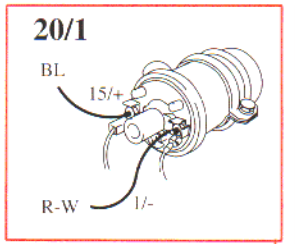
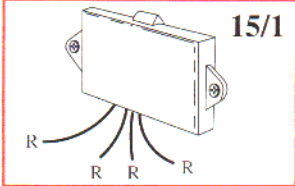
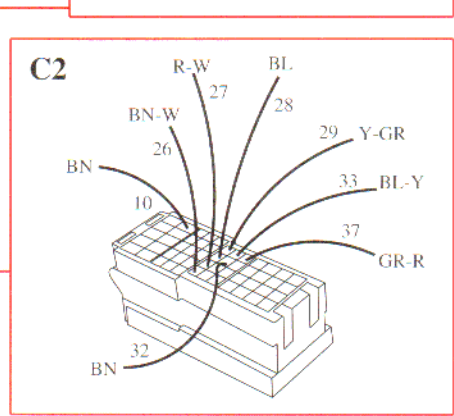
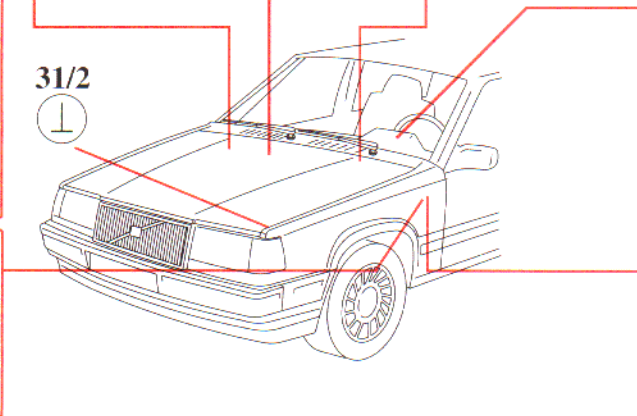
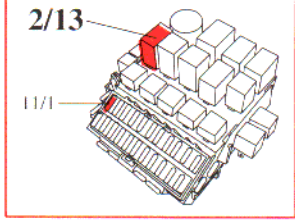
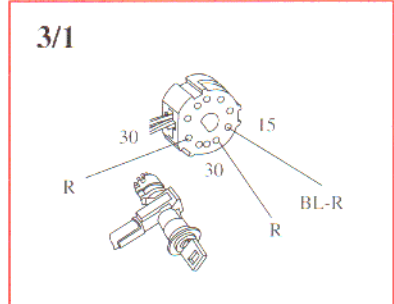
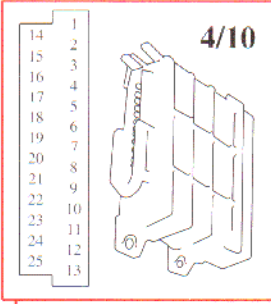
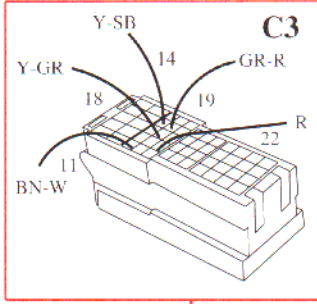
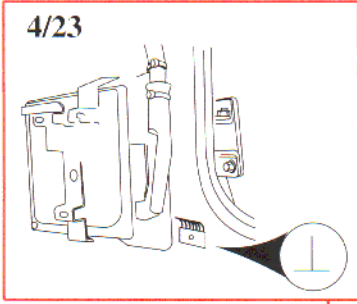
**B200FT,
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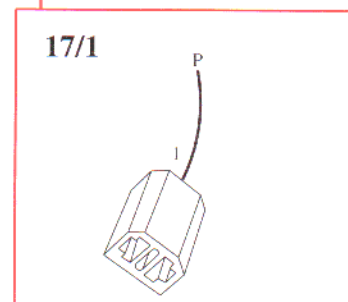
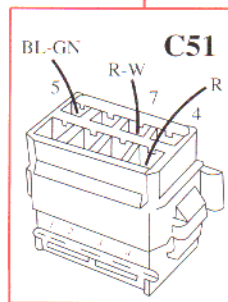
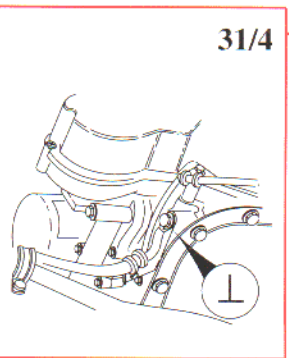
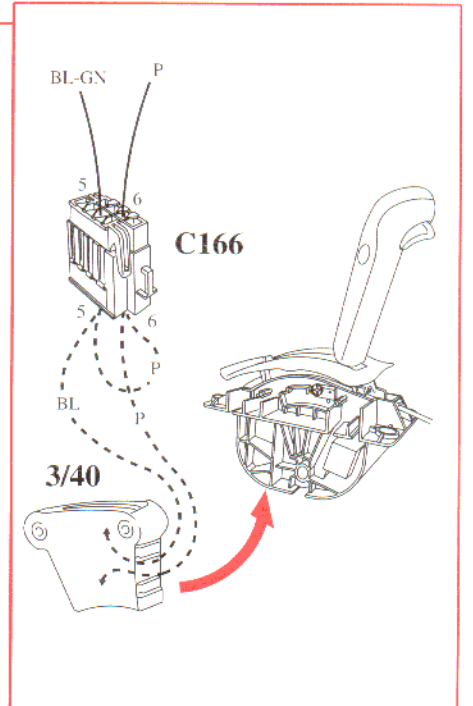
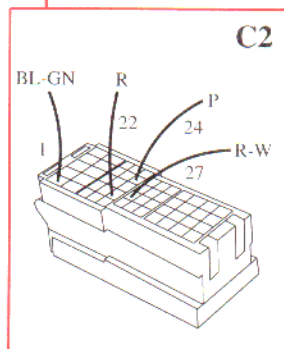
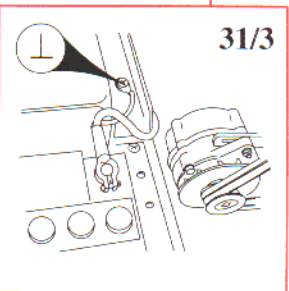
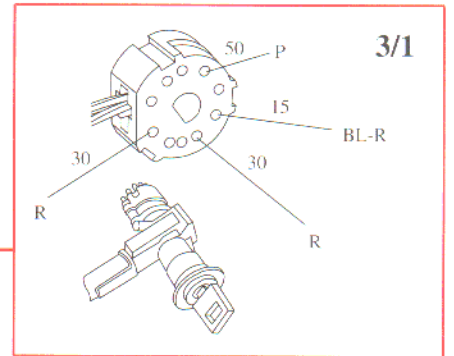
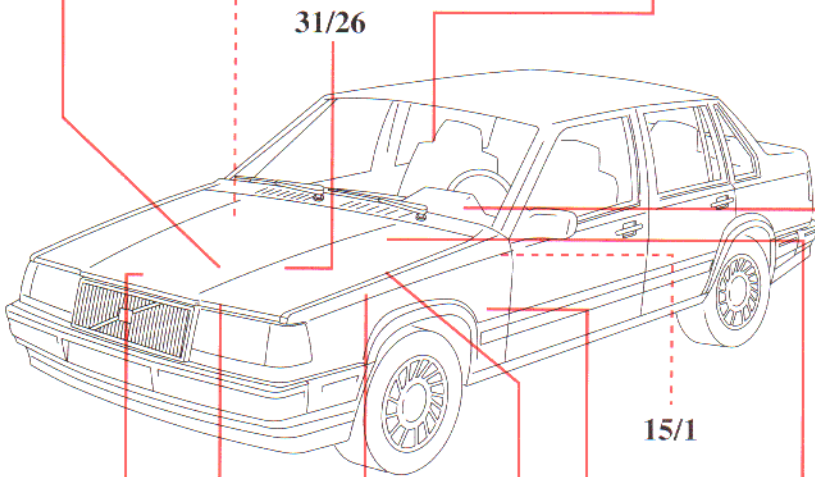
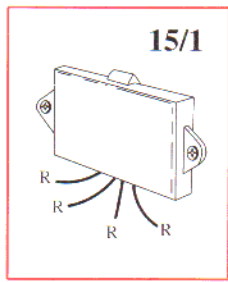
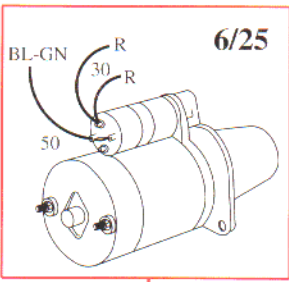
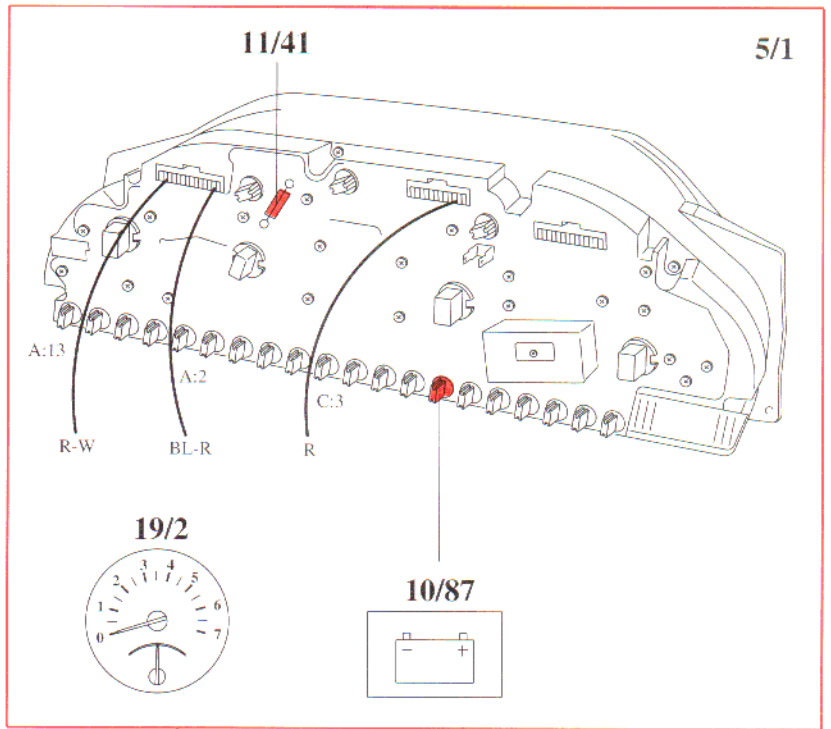
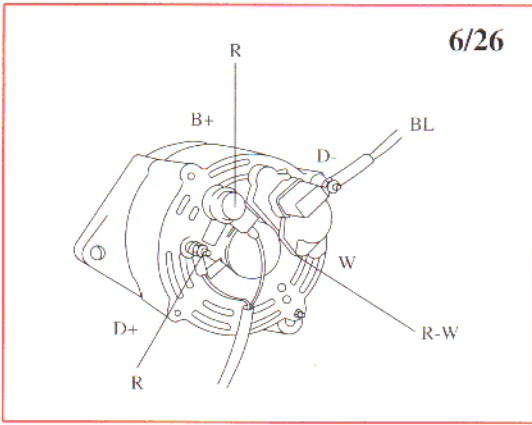


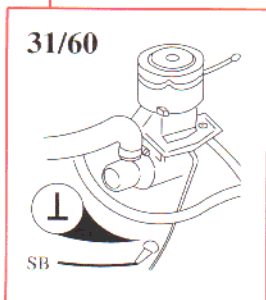
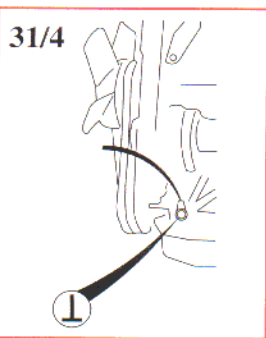
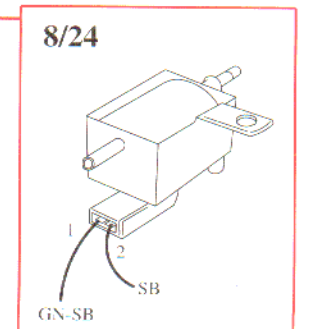
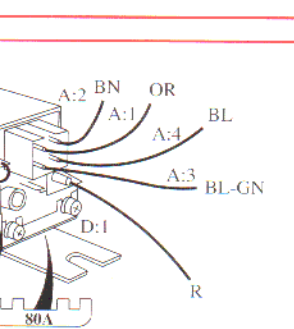
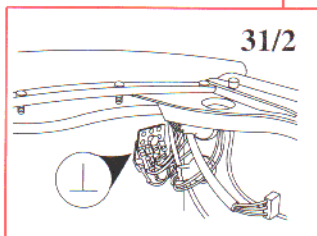
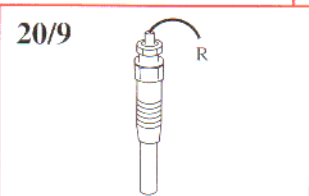
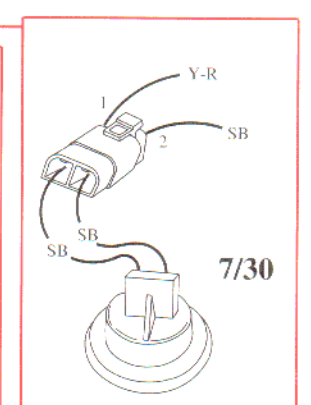
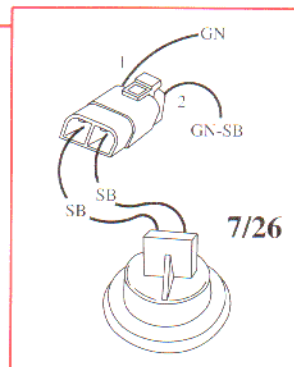
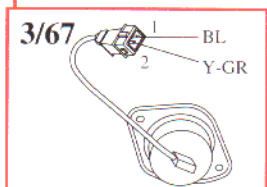
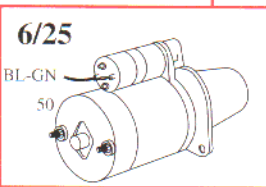
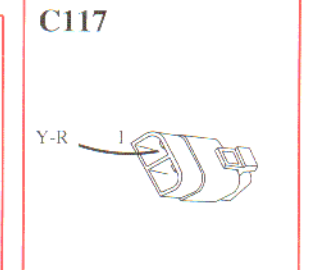
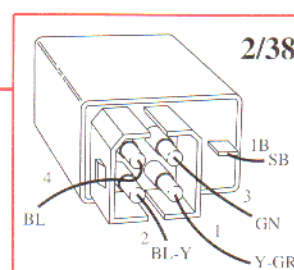
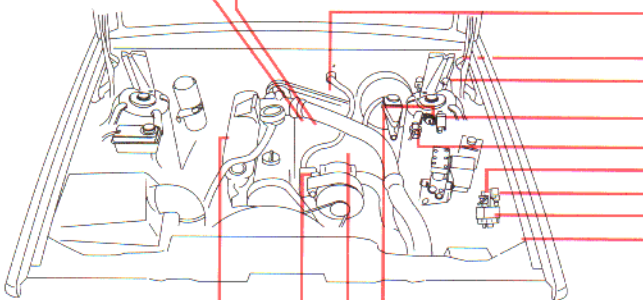
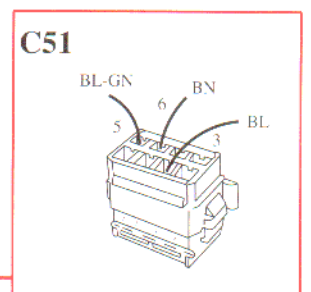
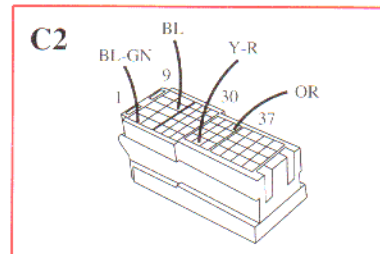
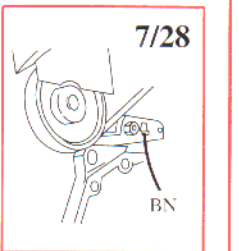
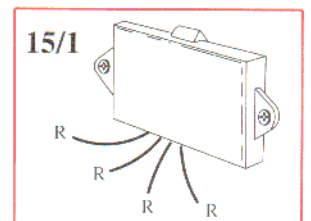
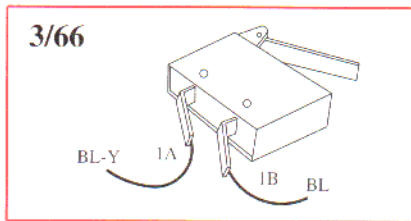
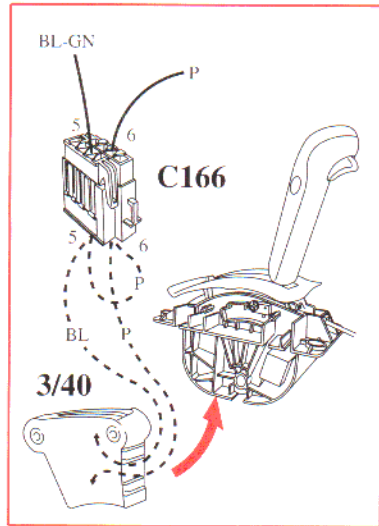
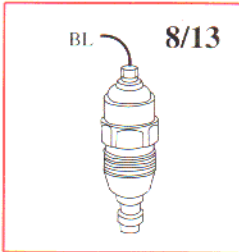
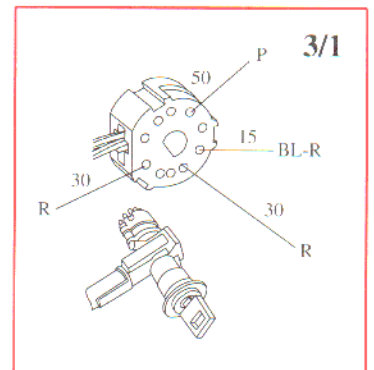
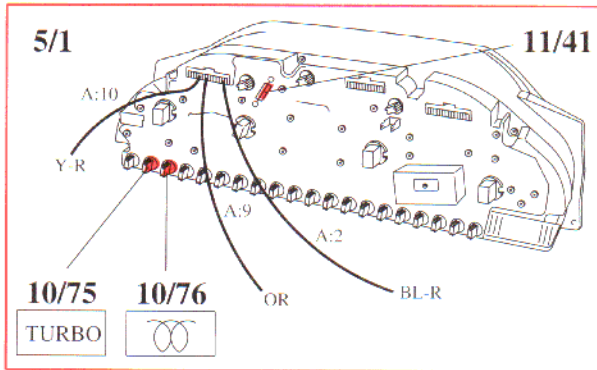
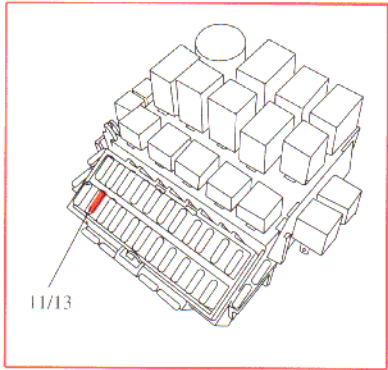


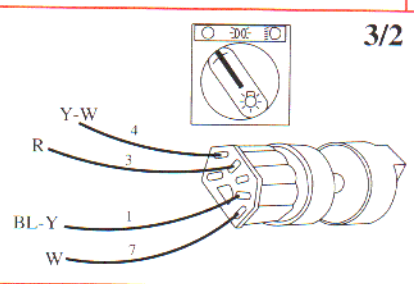
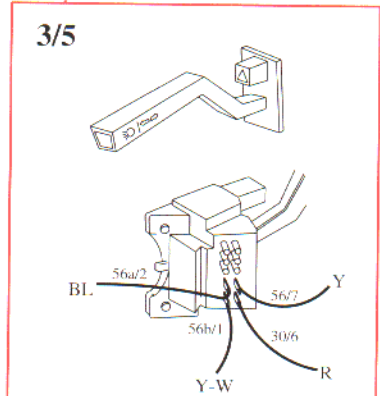
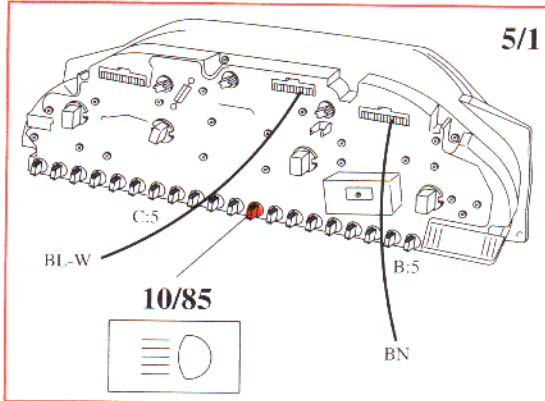
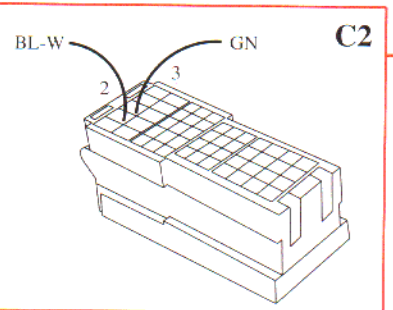
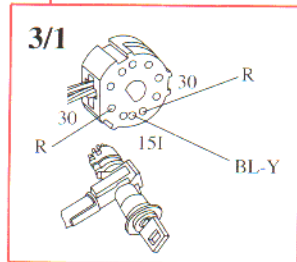
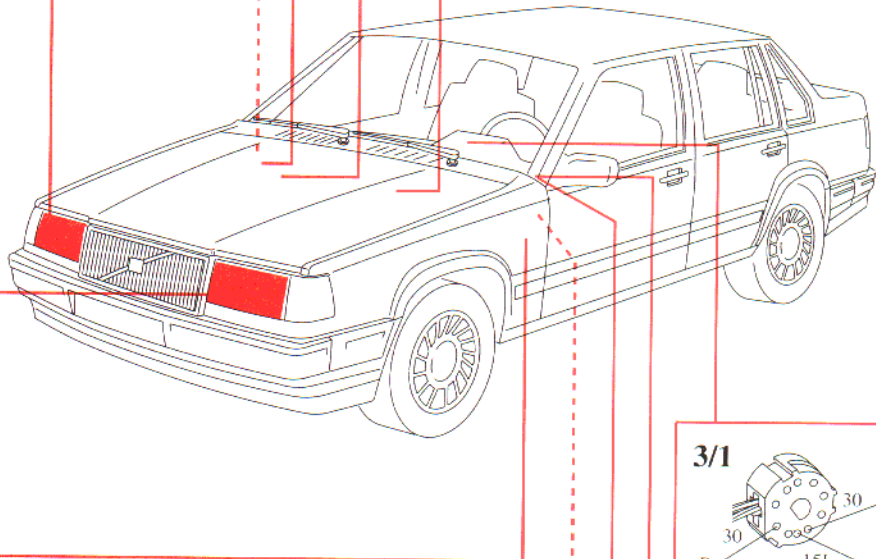
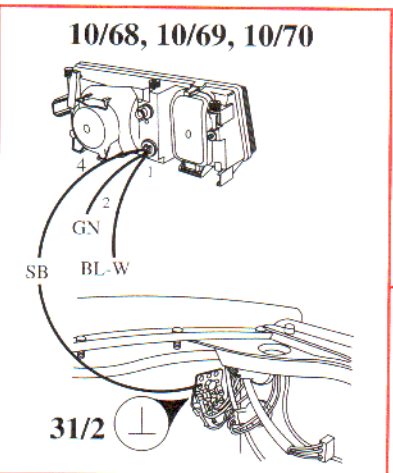
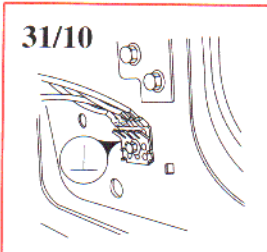
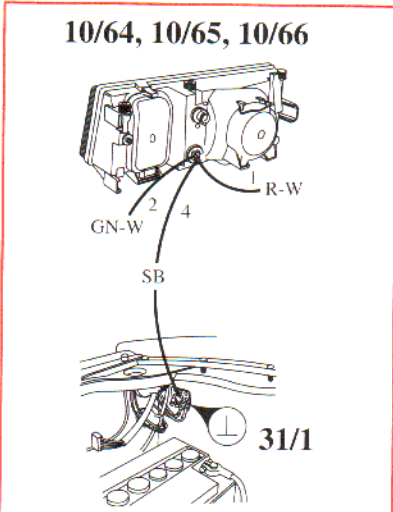
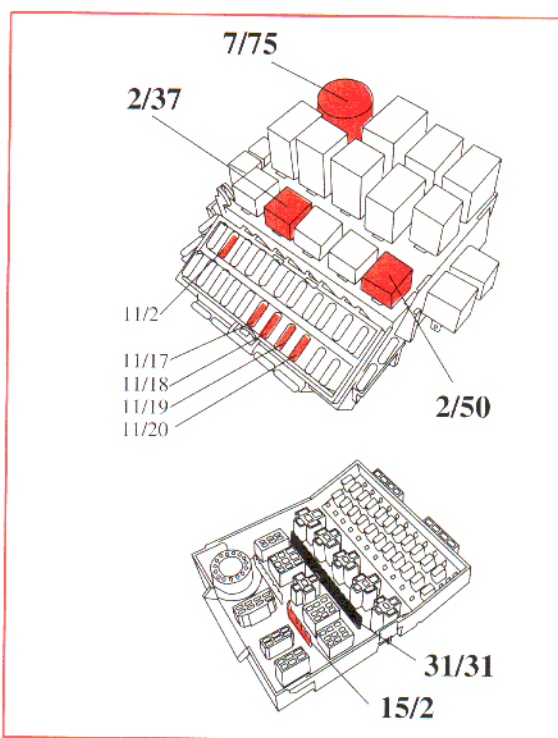
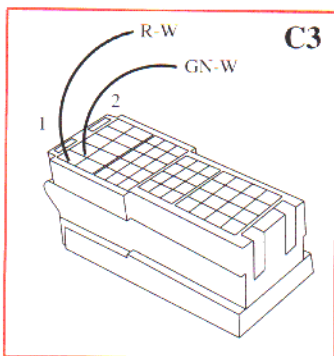
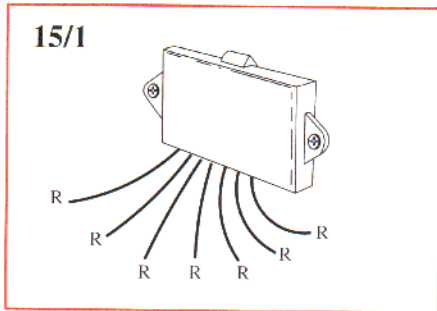


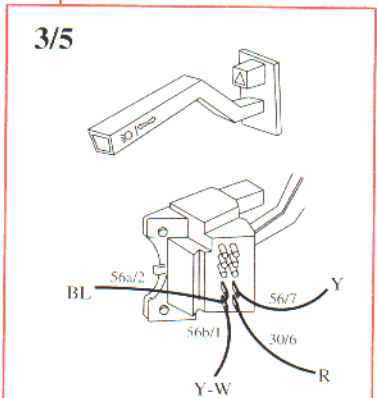
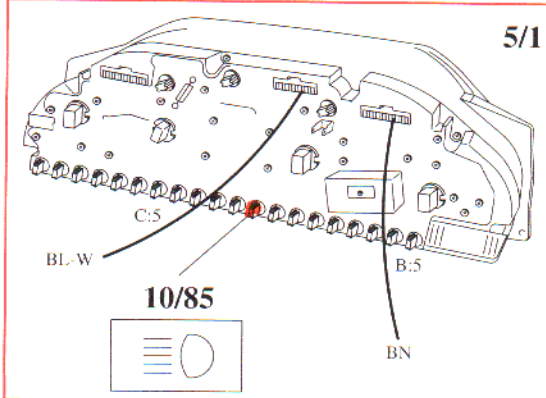
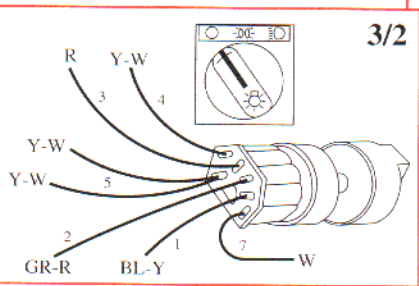
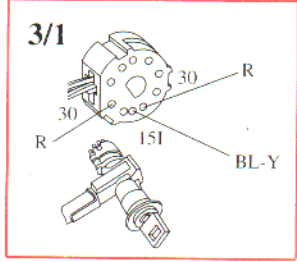
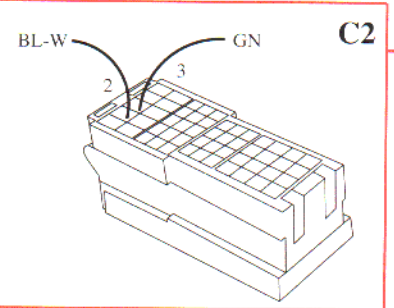
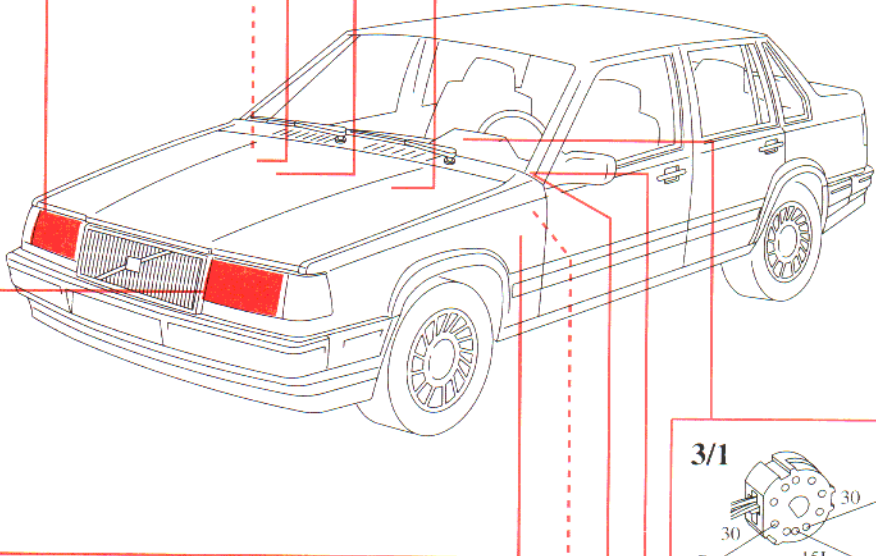
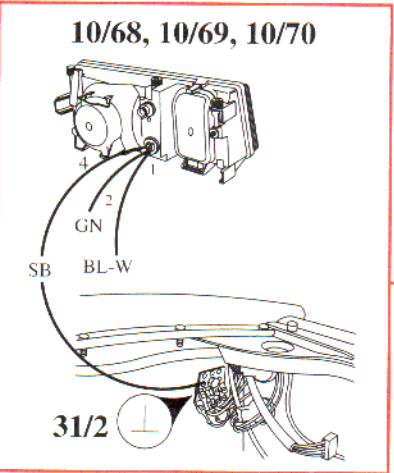
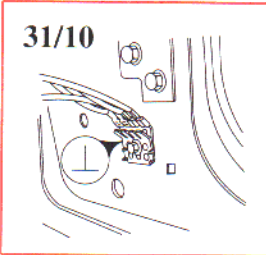
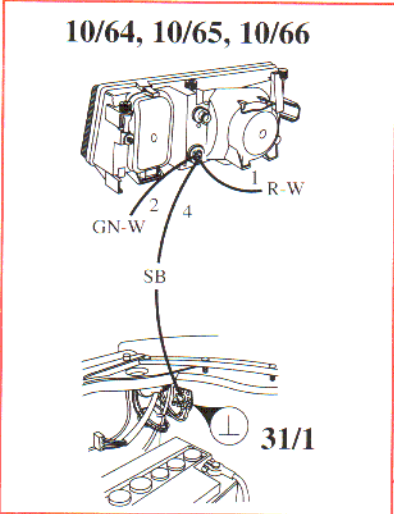
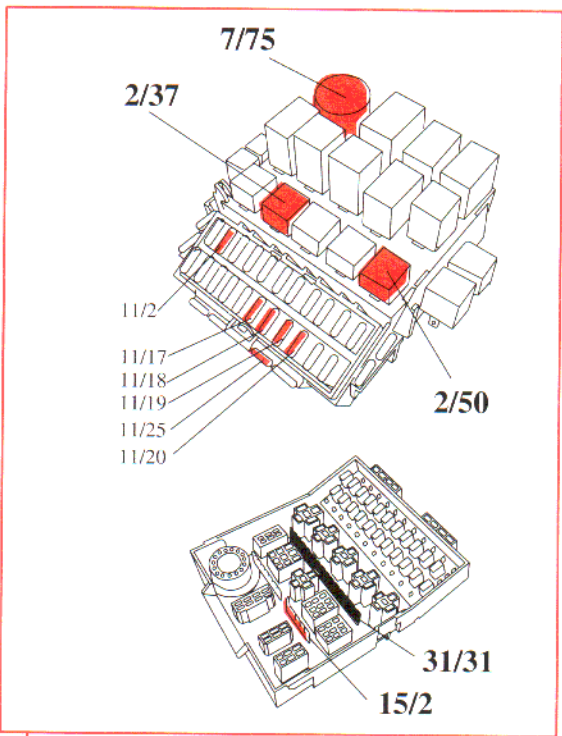
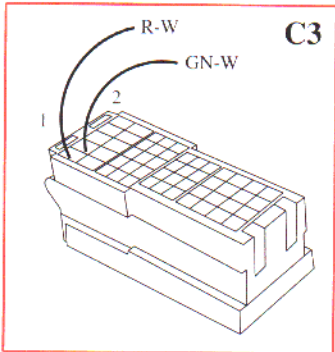
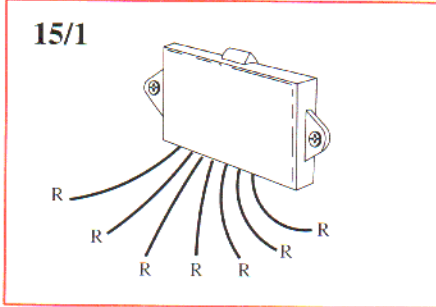


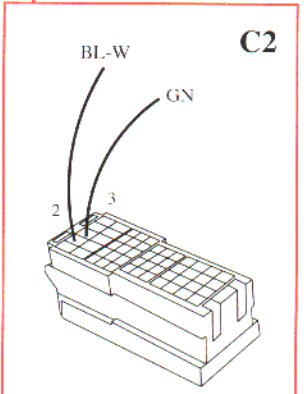
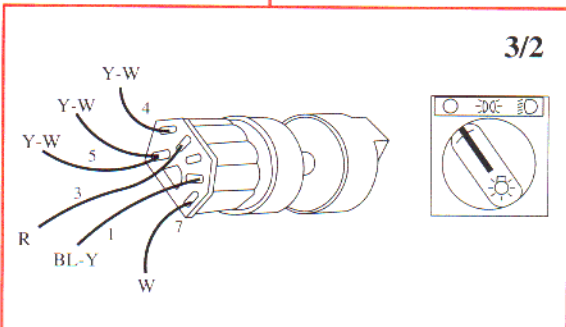
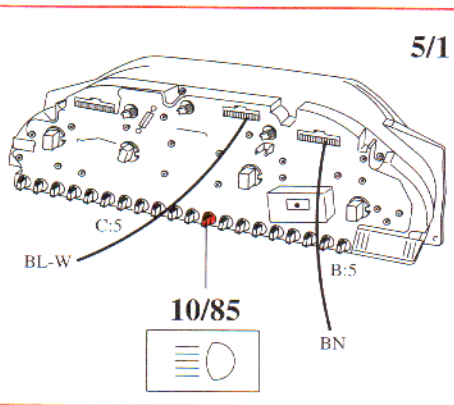
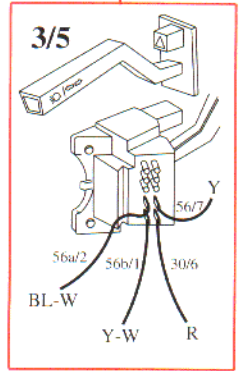
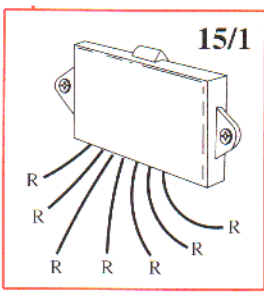
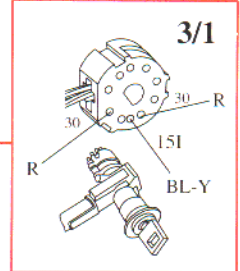
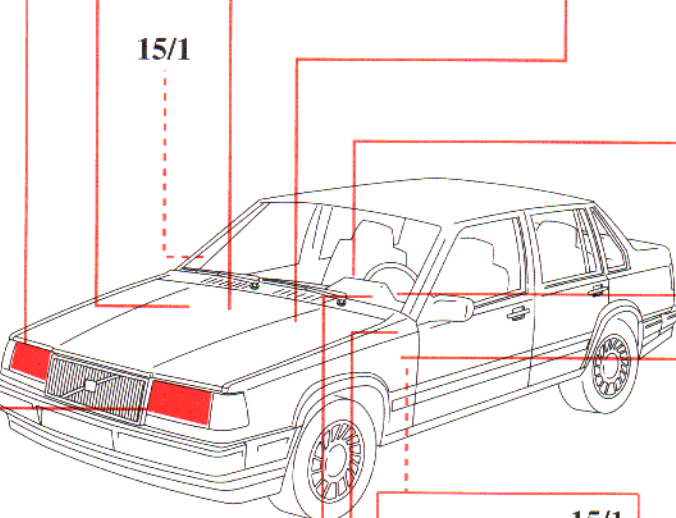
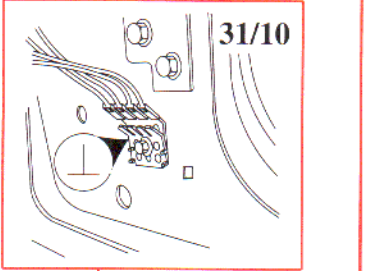
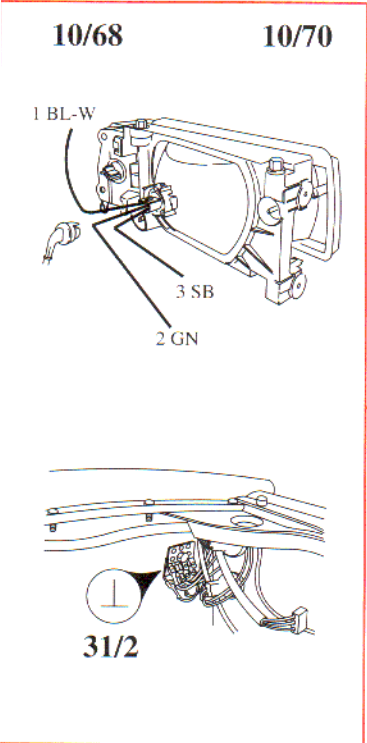
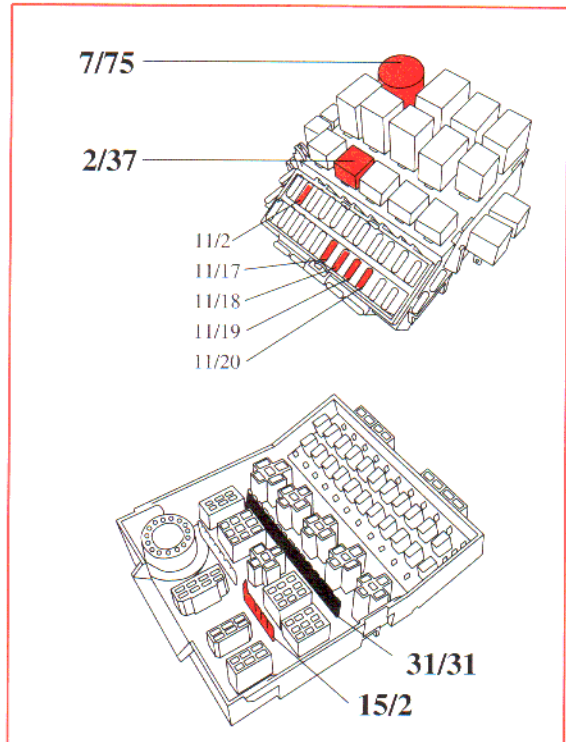
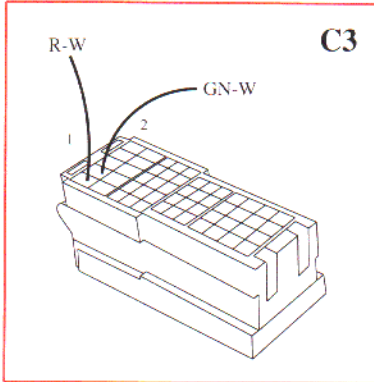
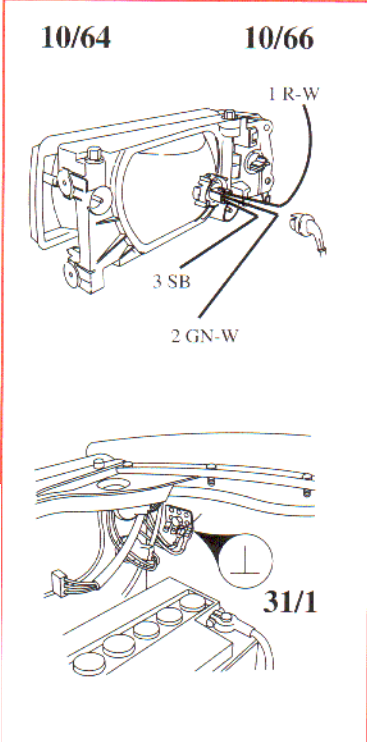


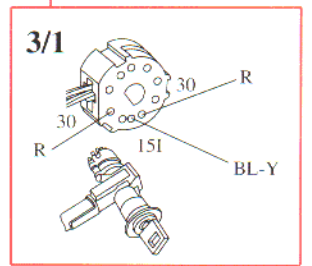
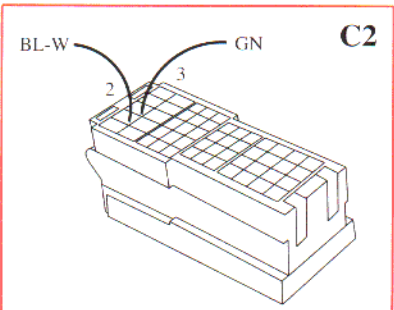
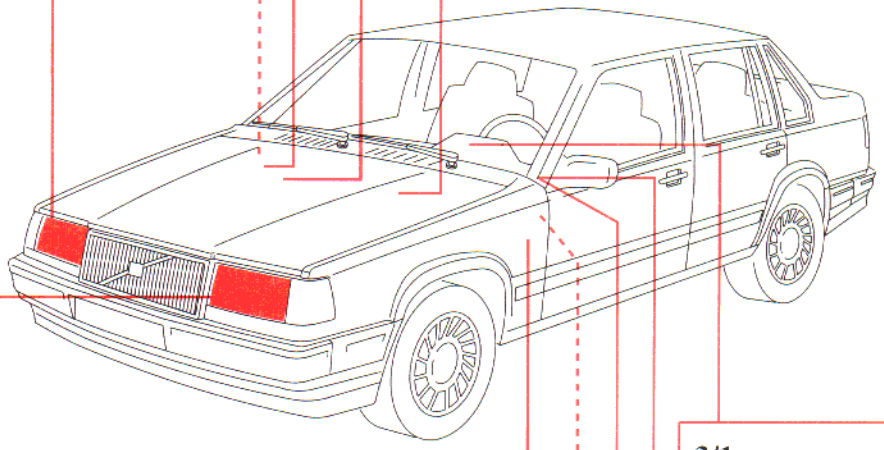
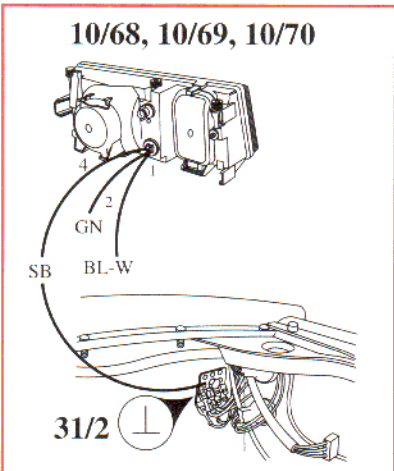
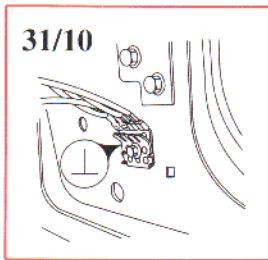
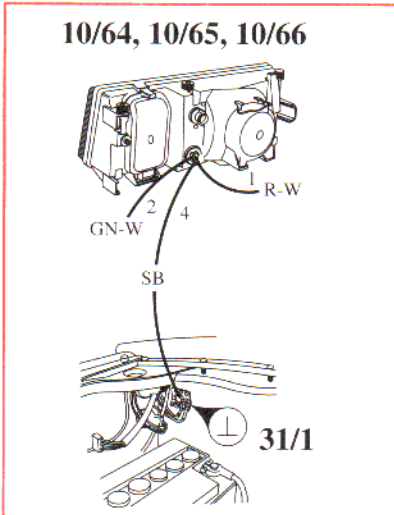
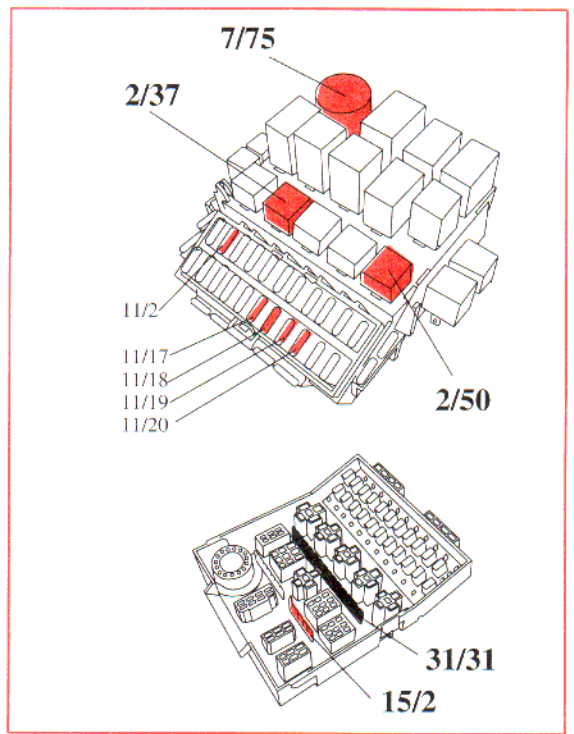
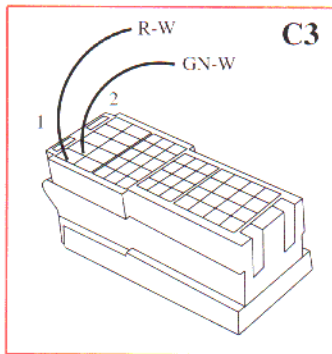
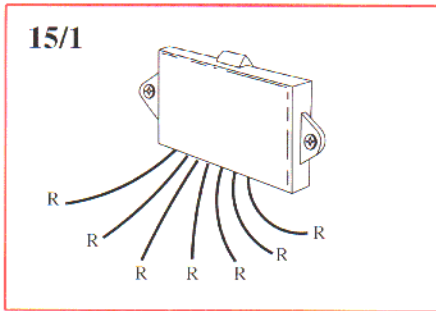




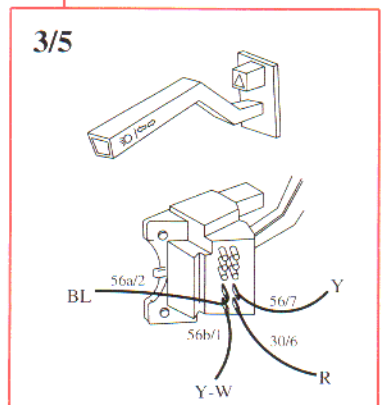
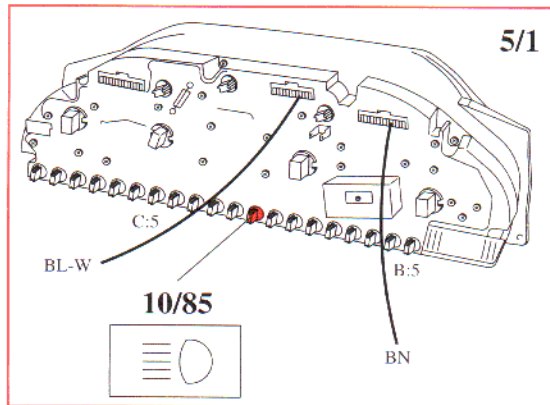
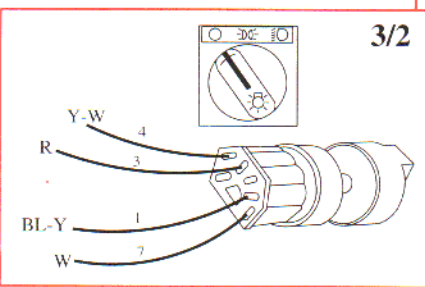


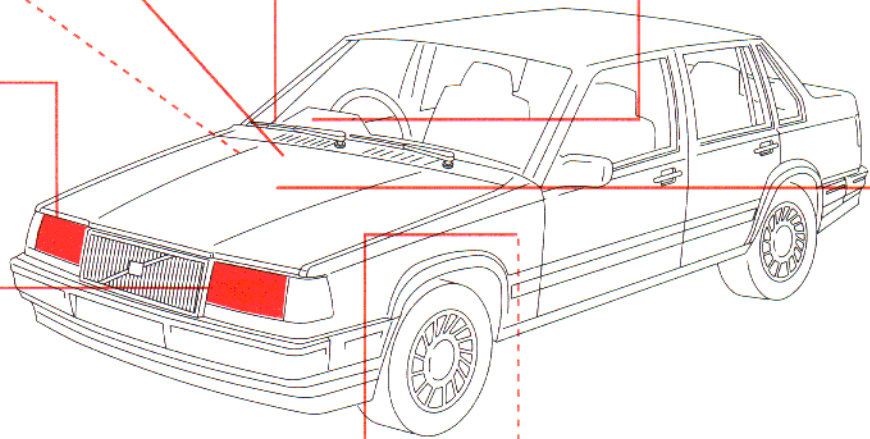
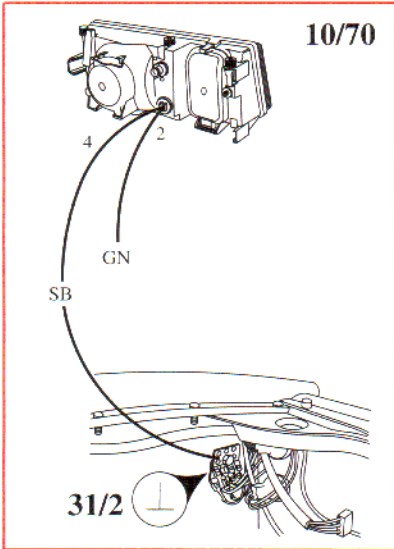
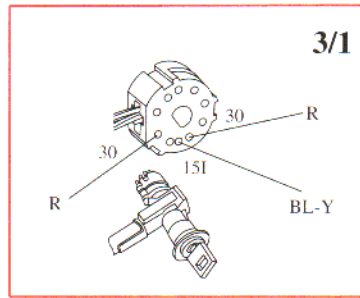
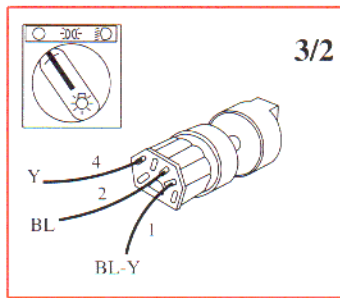
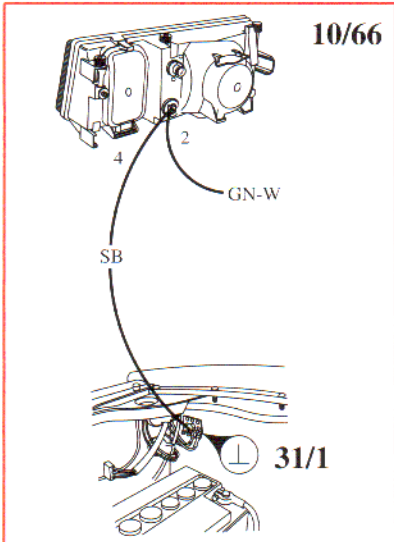
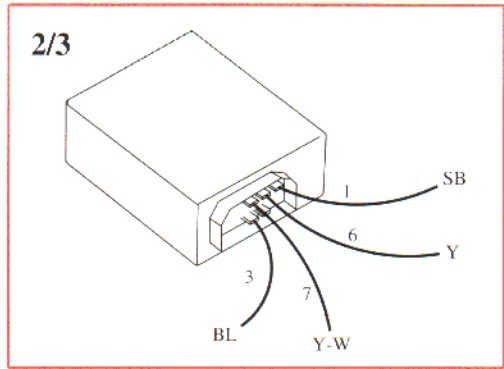
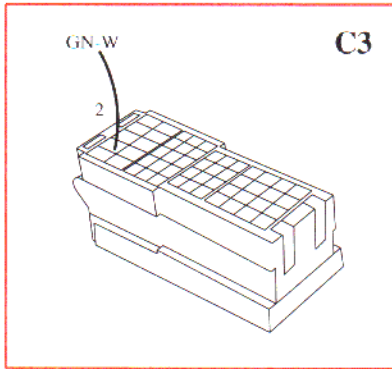
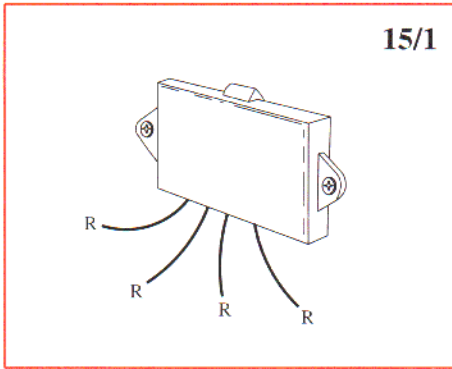




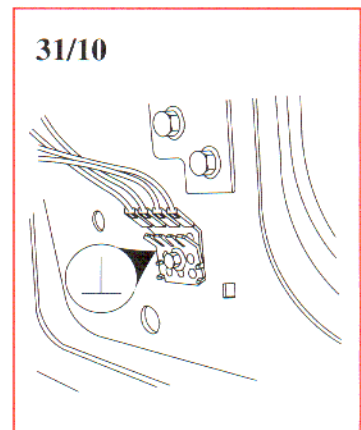
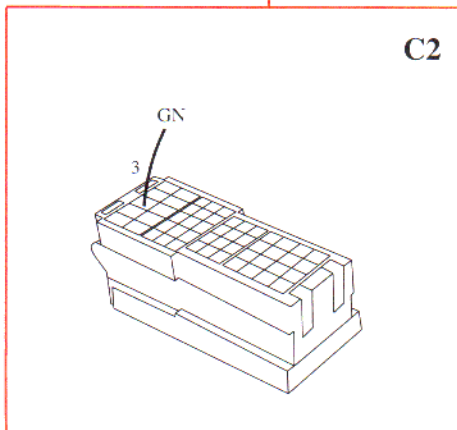
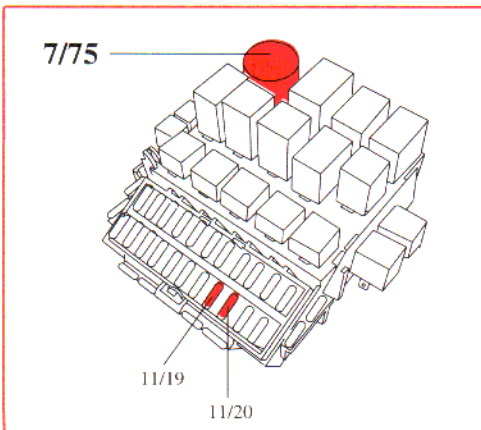


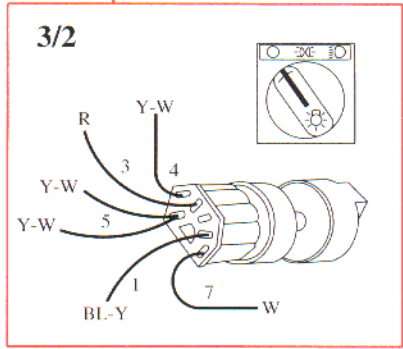
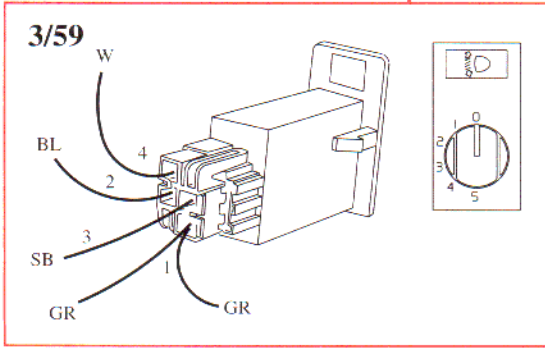
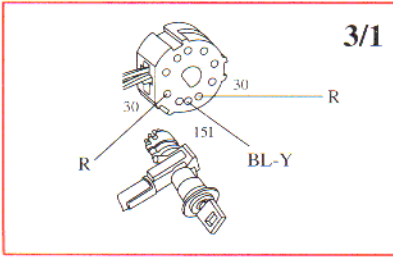
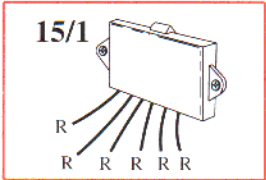
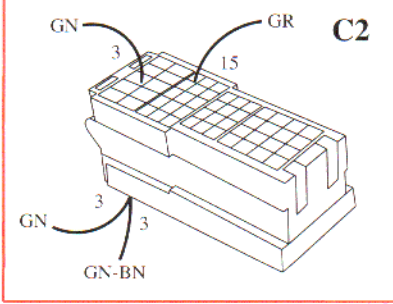
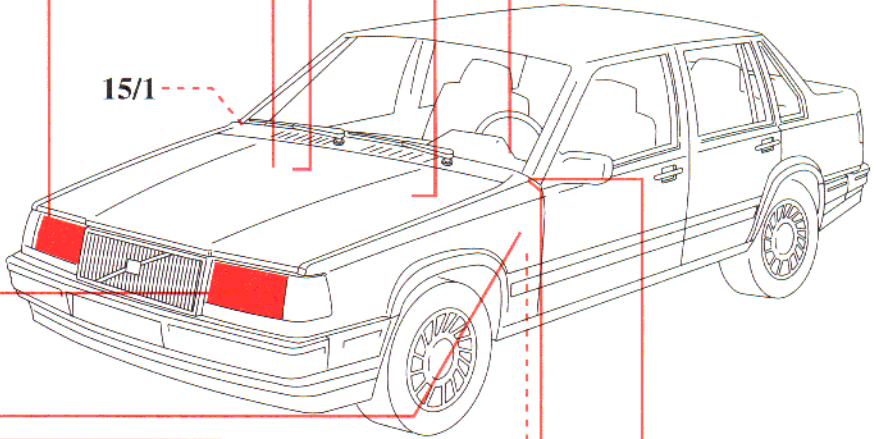
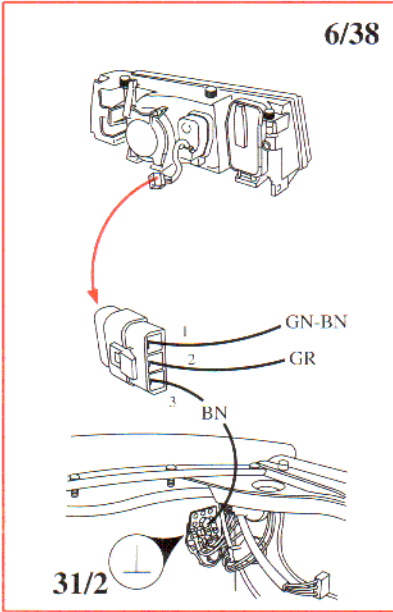
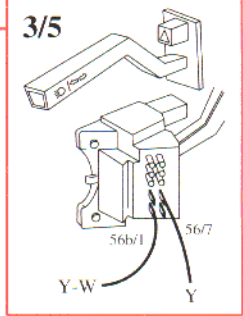
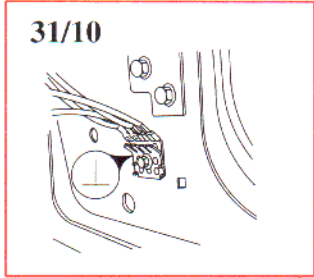
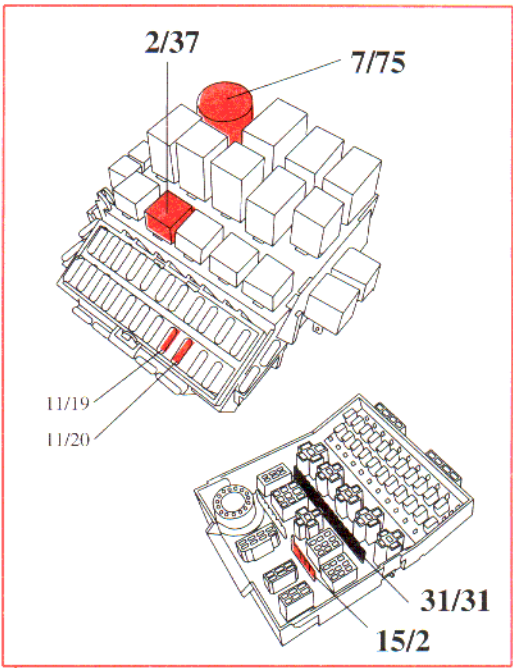
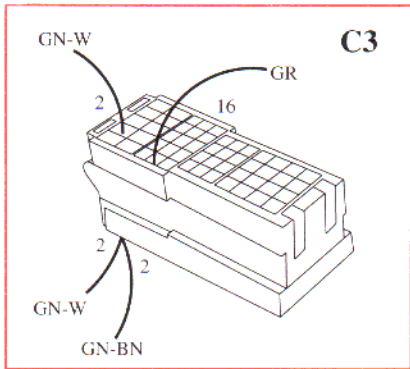
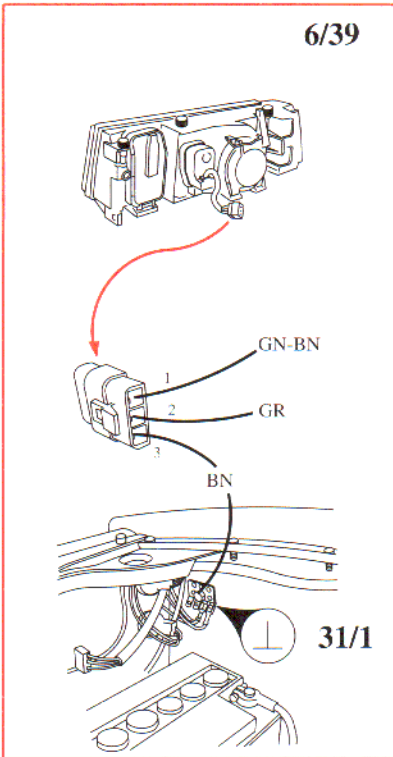
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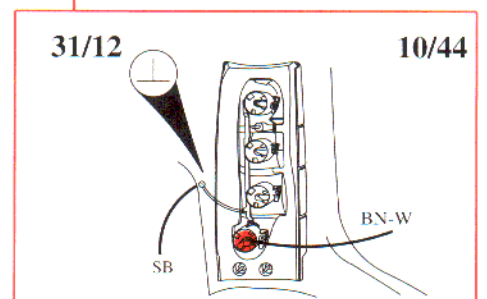
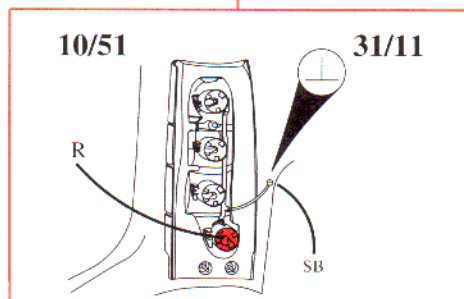
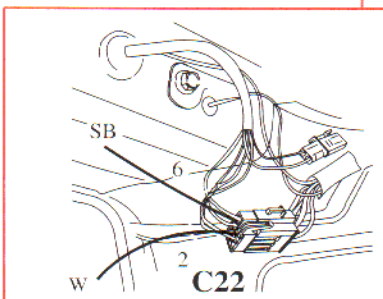
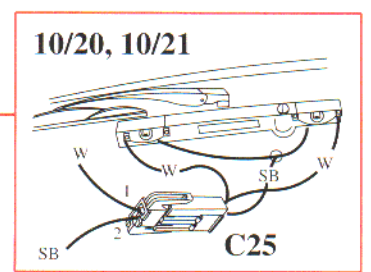
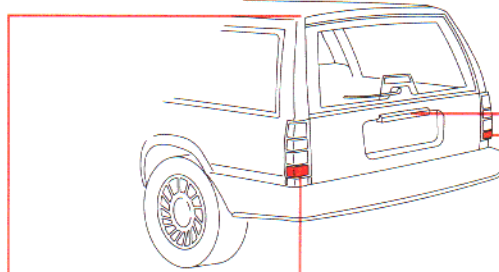
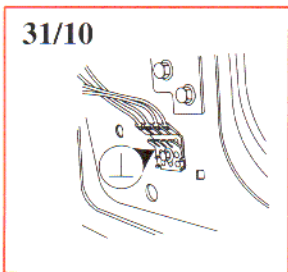
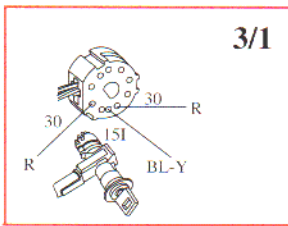
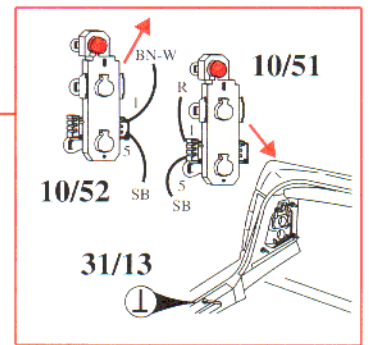
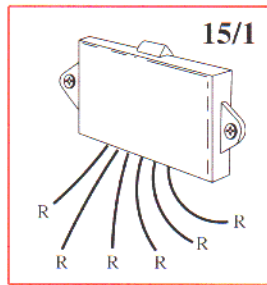
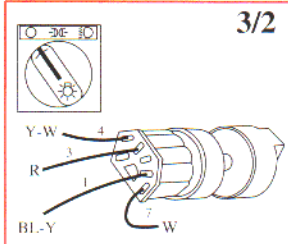
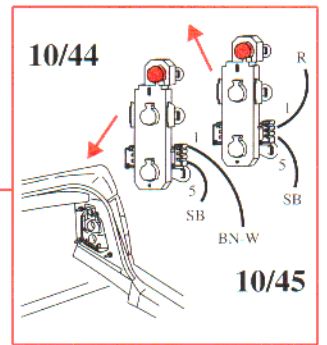
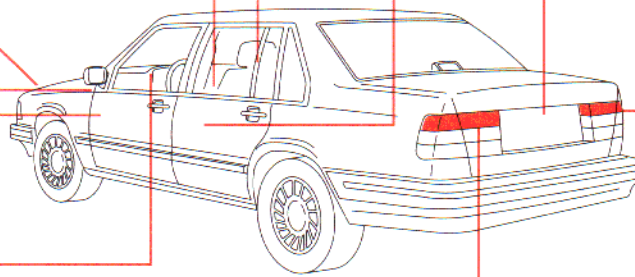
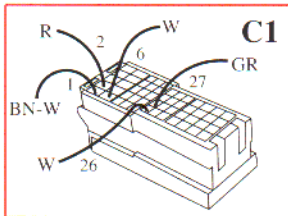
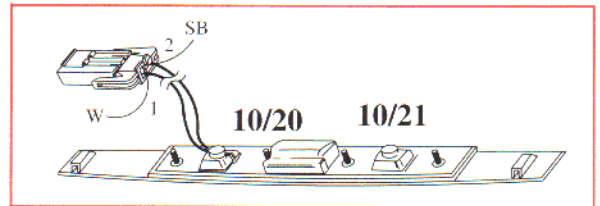
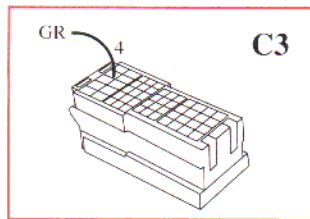
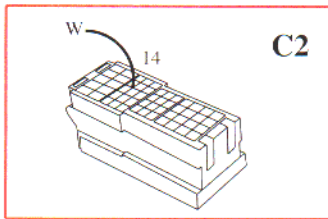
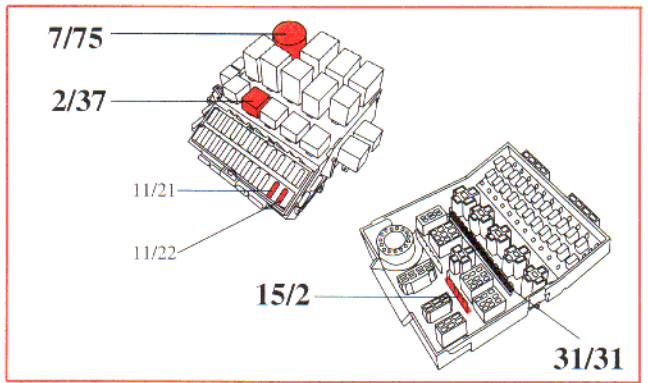
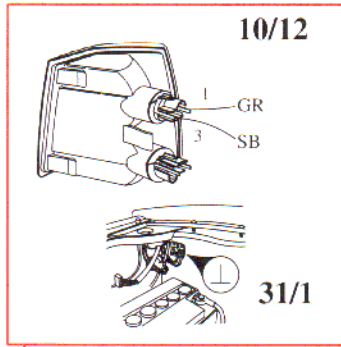
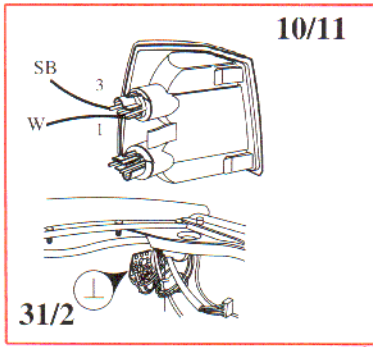


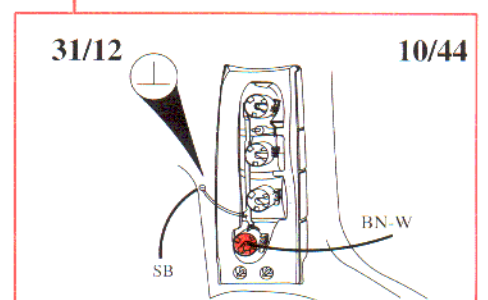
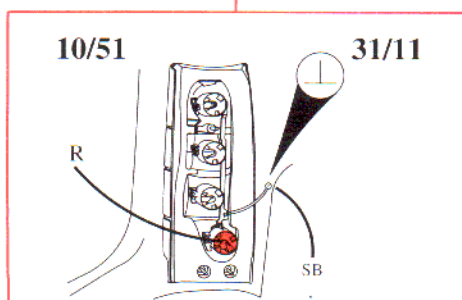
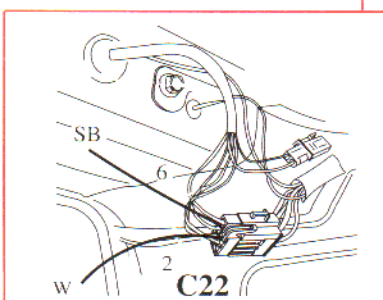
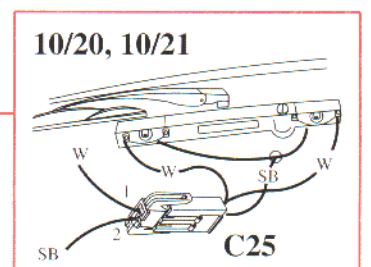
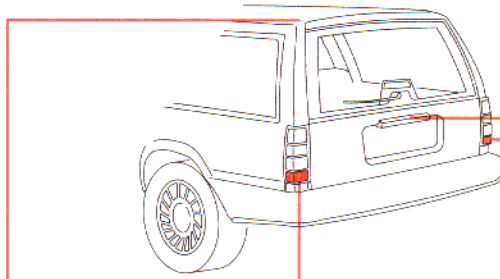
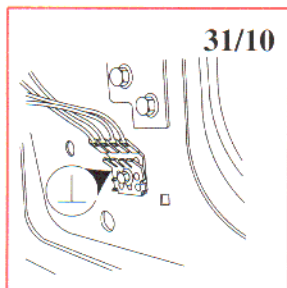
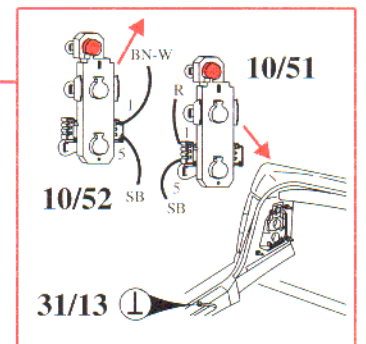
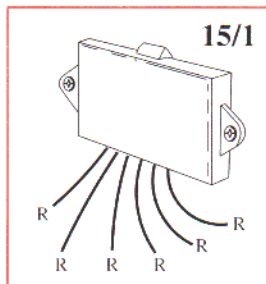
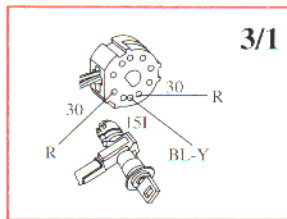
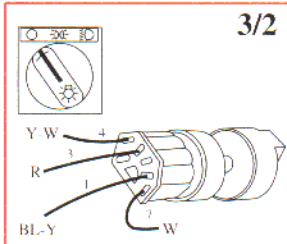
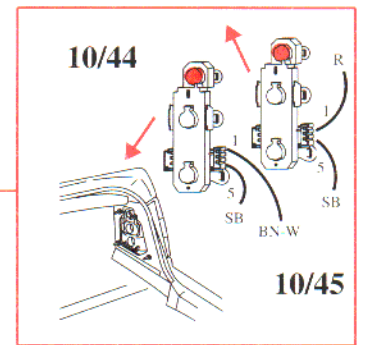
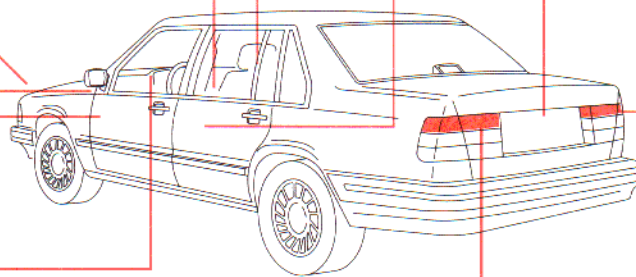
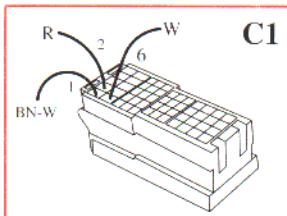
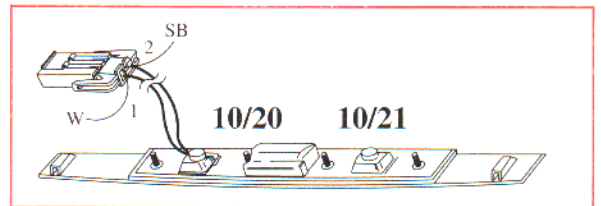
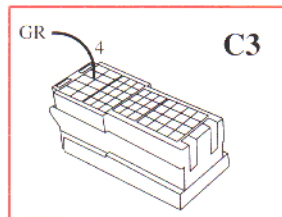
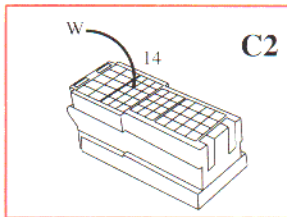
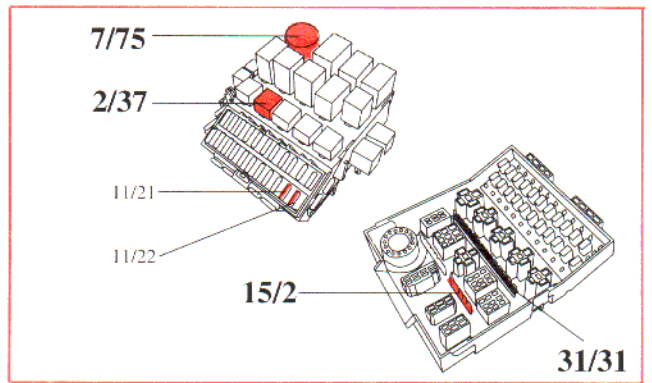
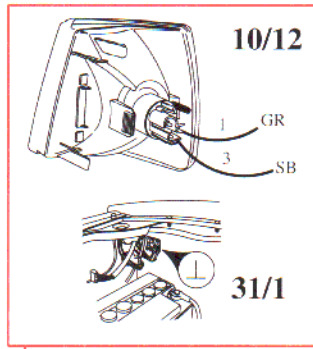
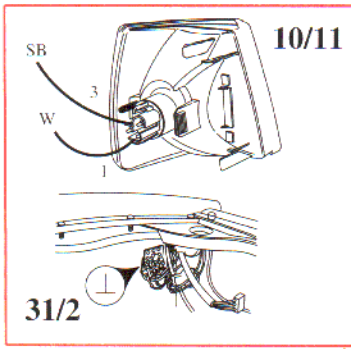


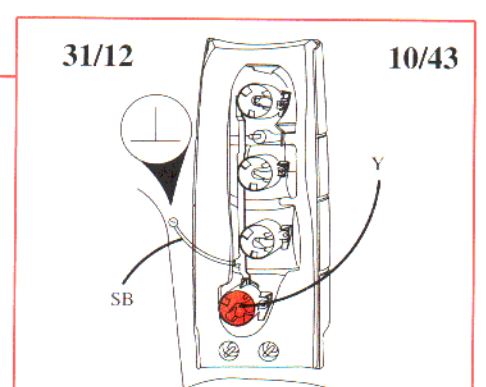
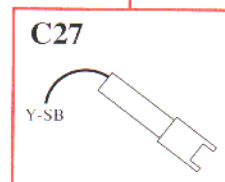
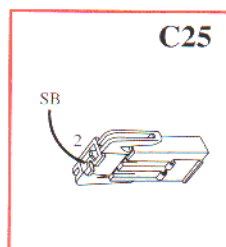
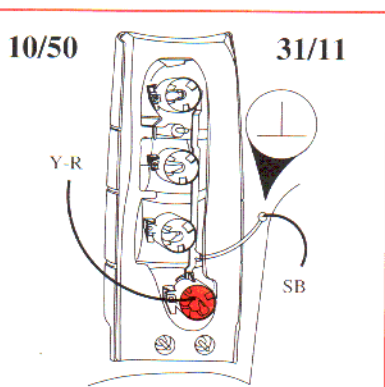
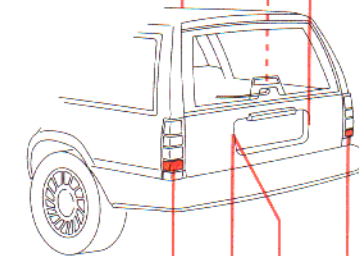
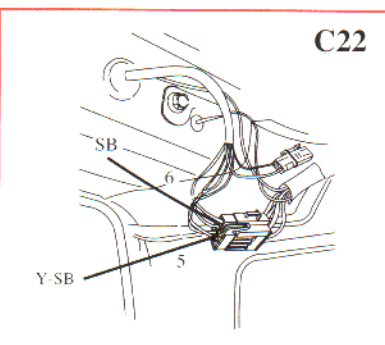
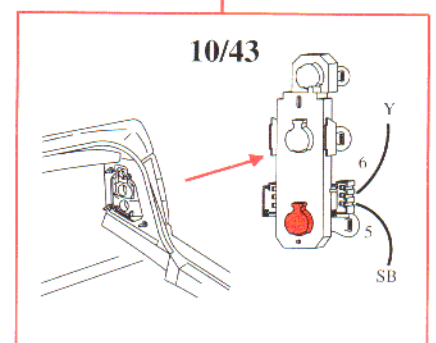
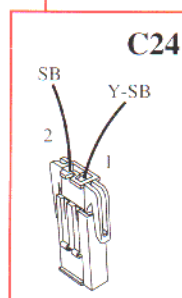
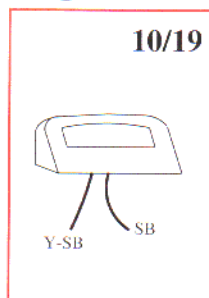
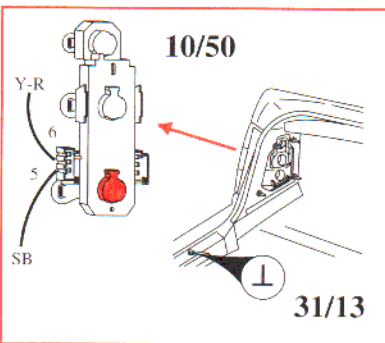
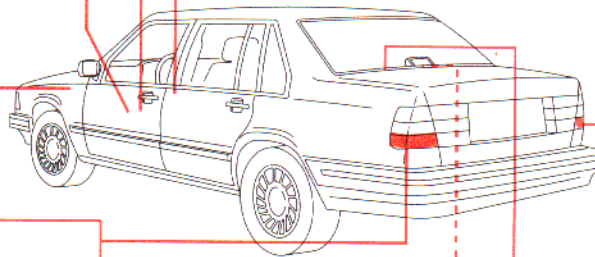
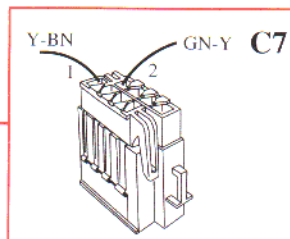
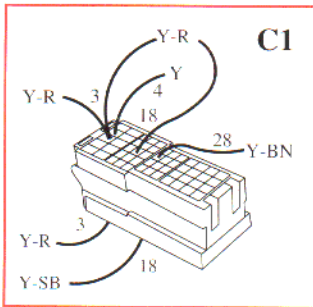
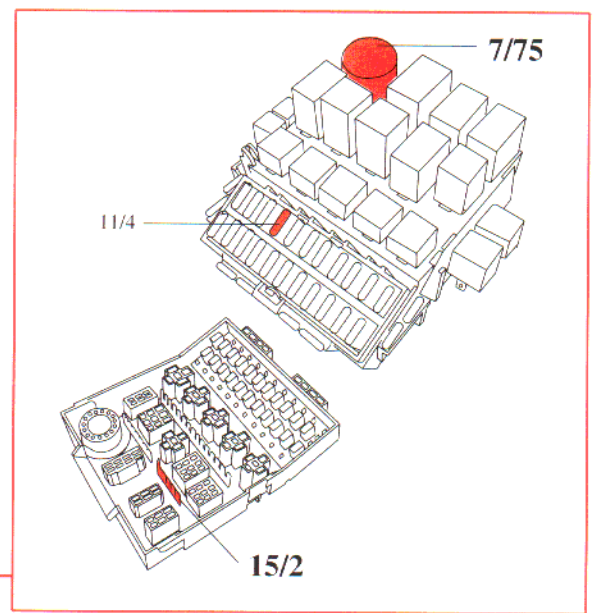
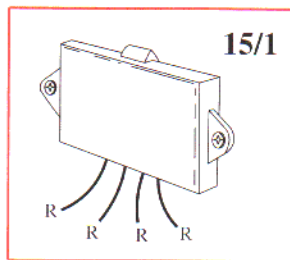
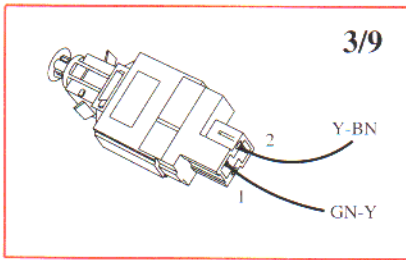
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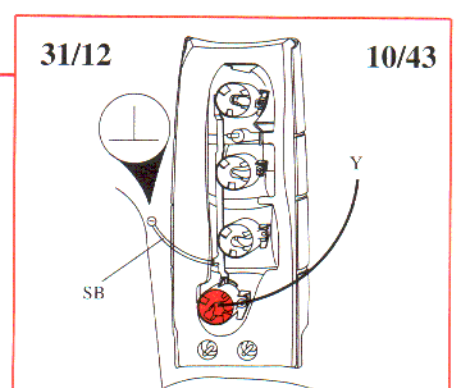
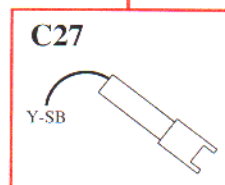
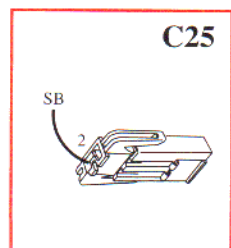
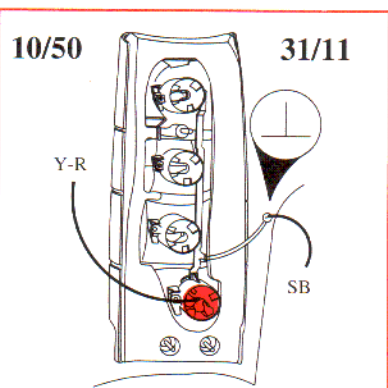
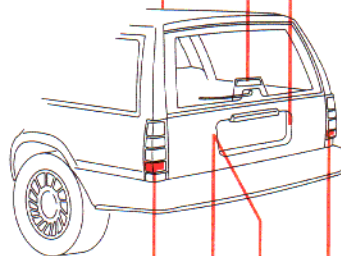
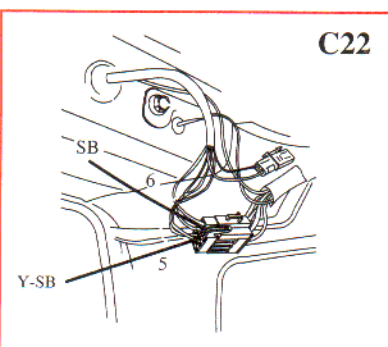
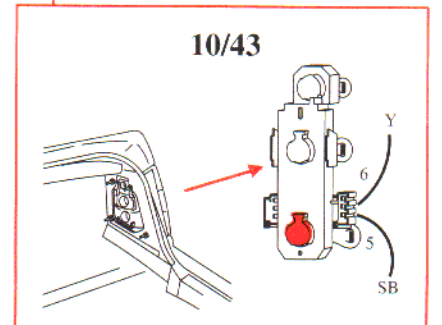
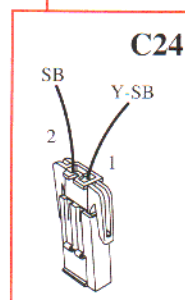
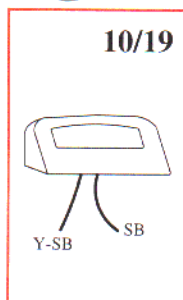
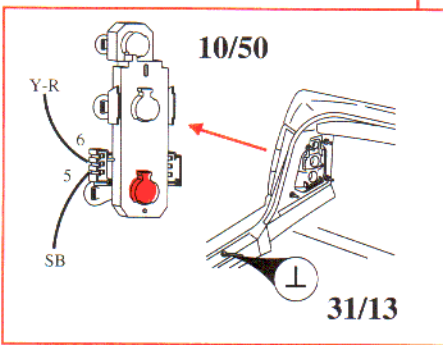
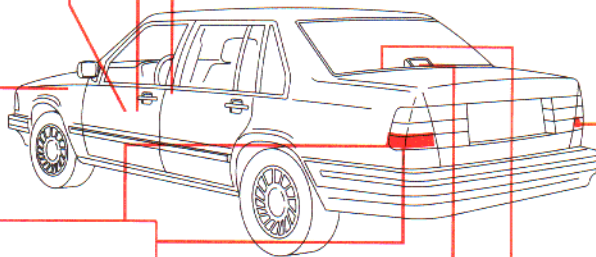
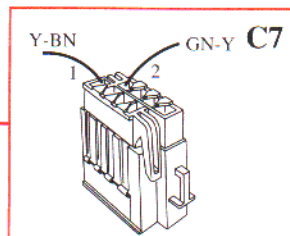
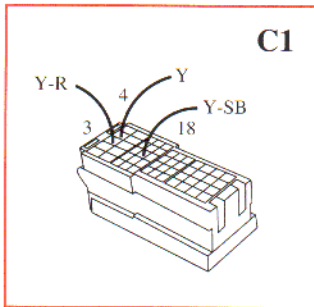
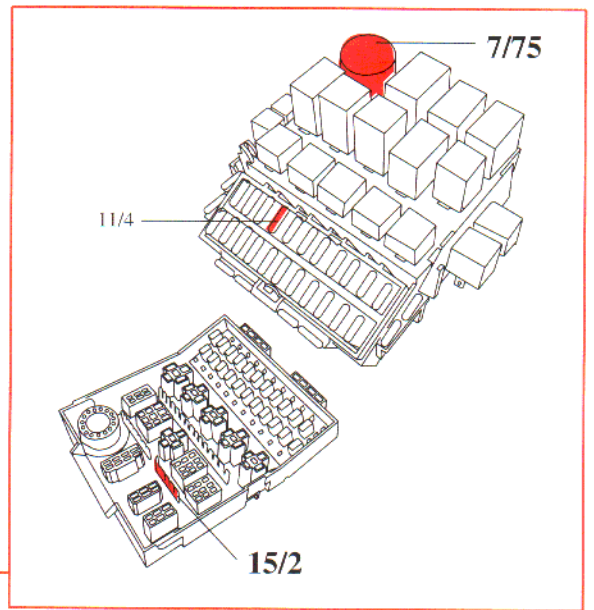
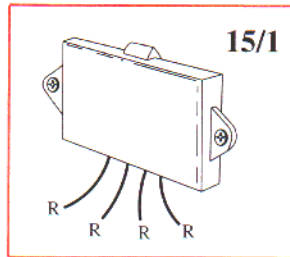
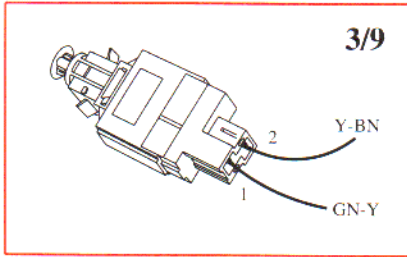


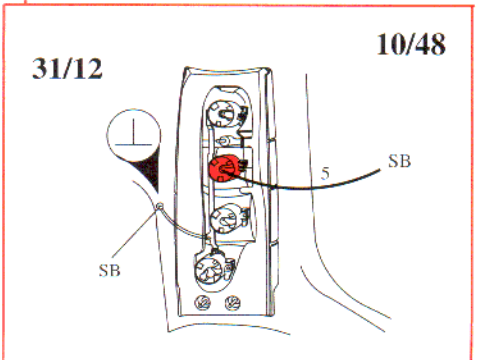
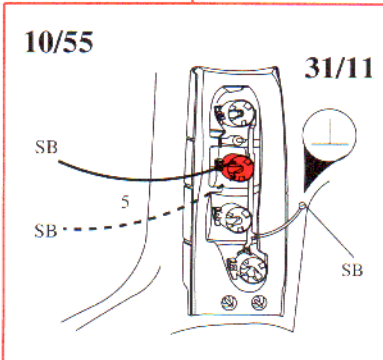
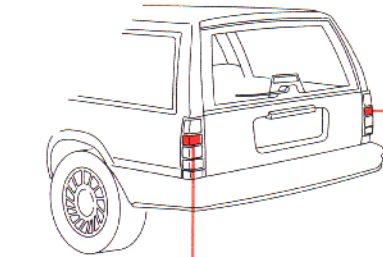
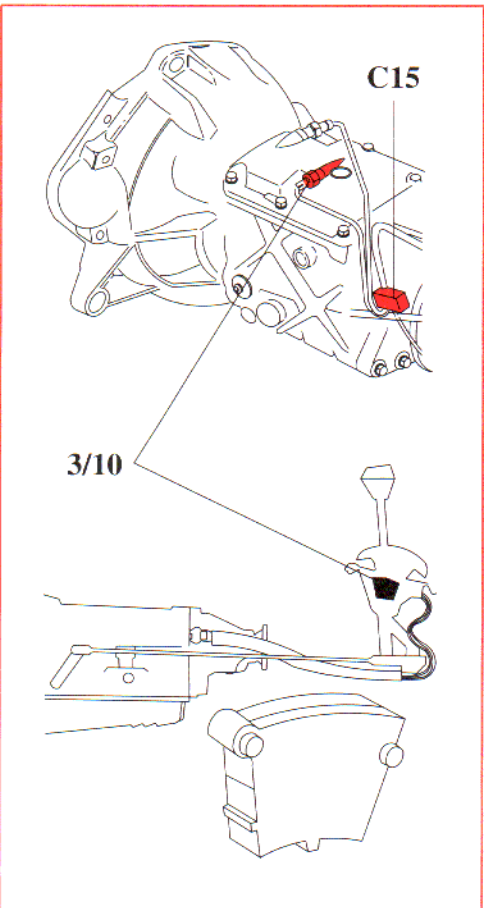
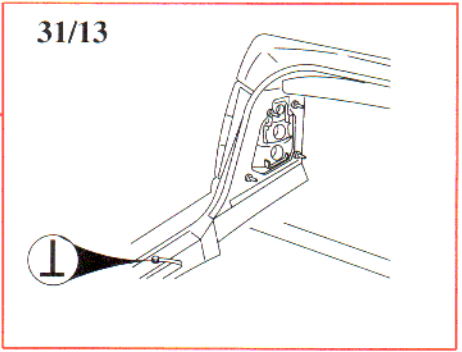
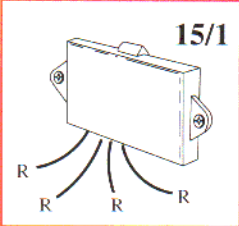
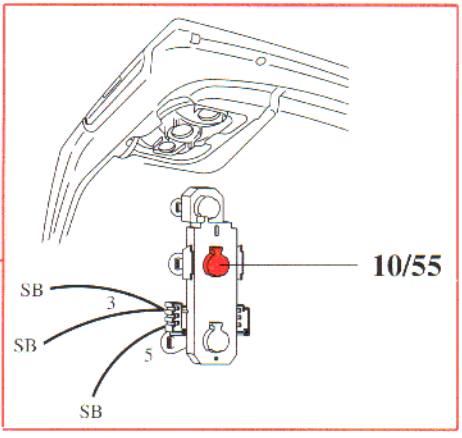
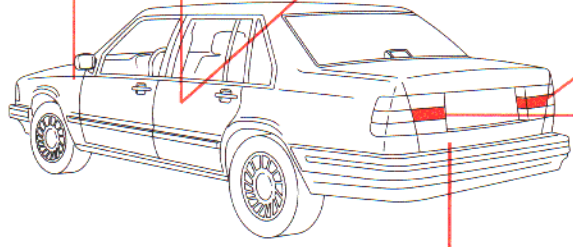
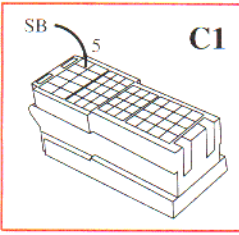
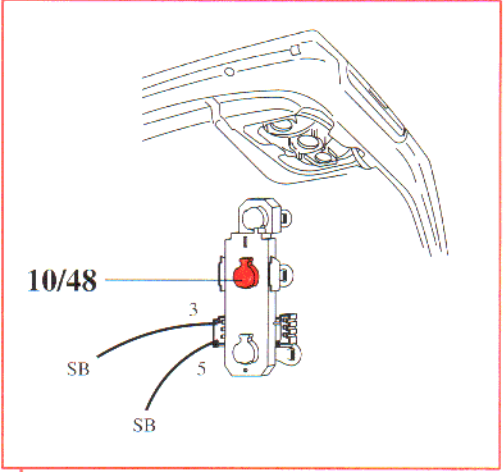
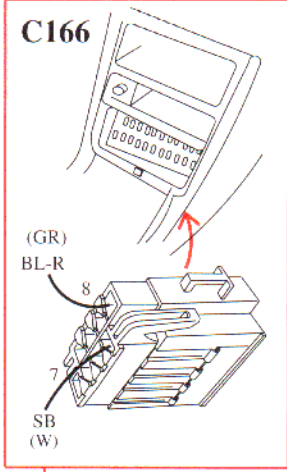
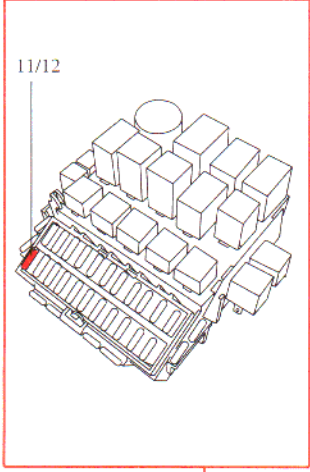
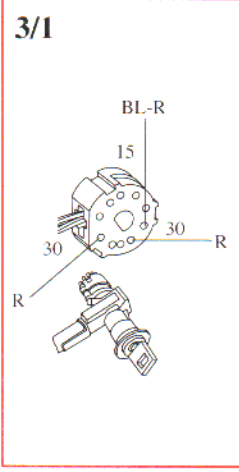


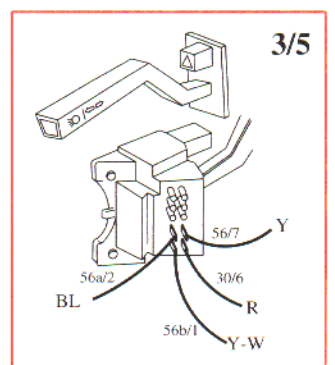
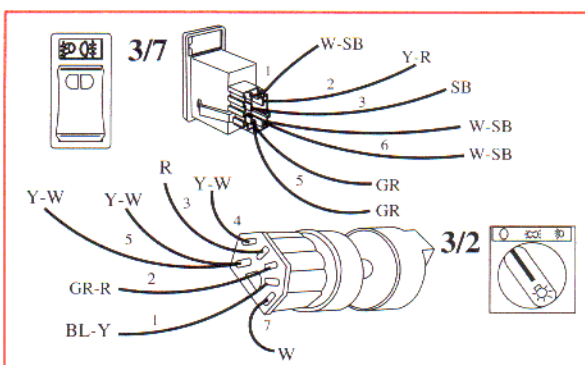
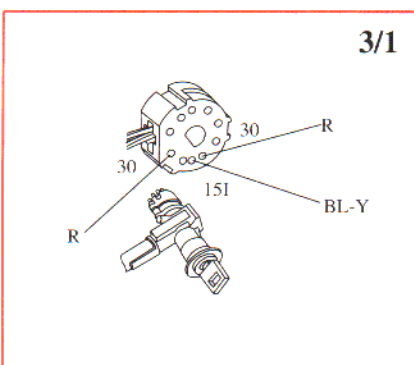
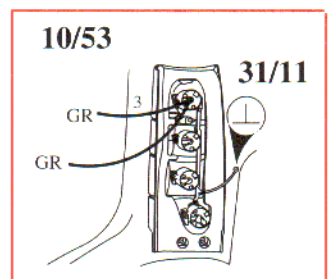
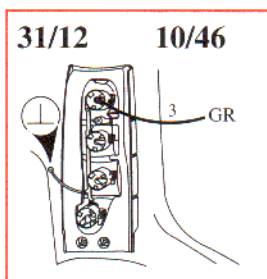
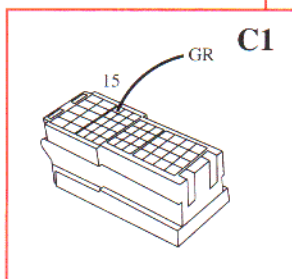
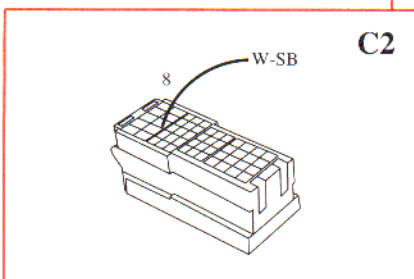
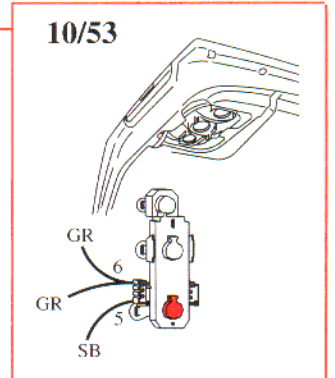
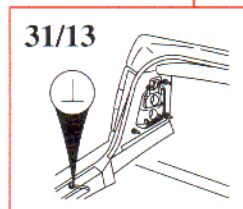
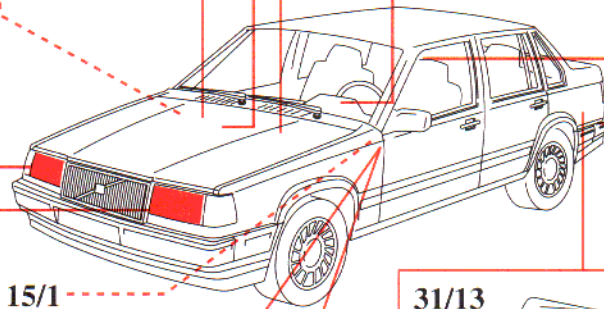
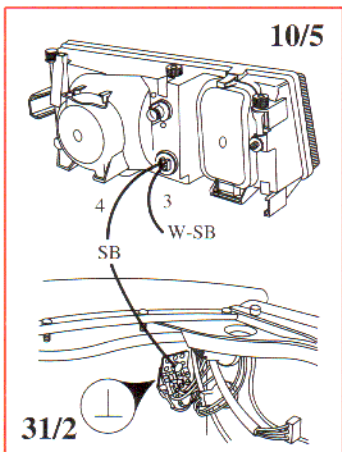
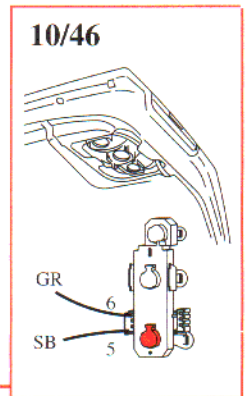
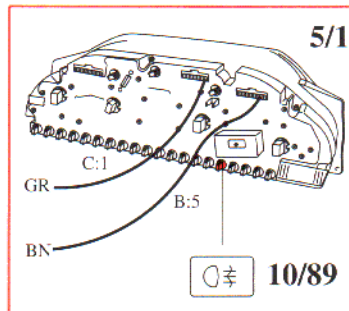
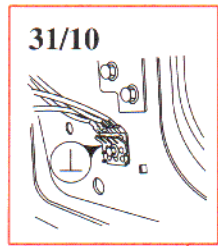
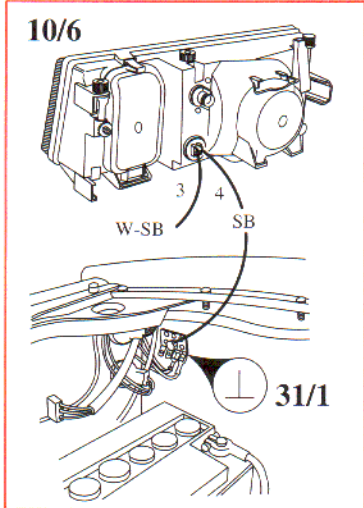
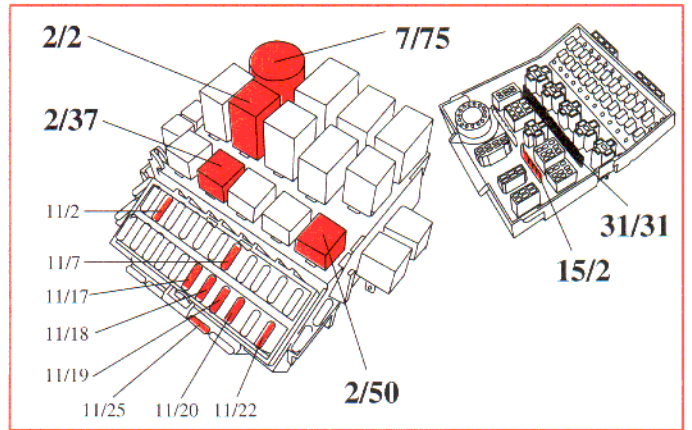
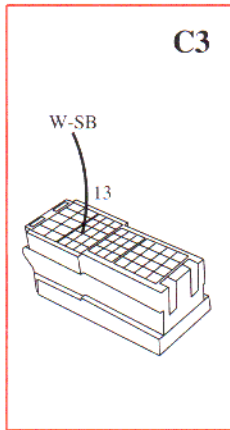
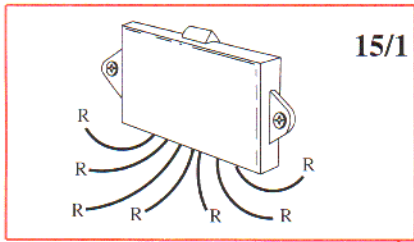


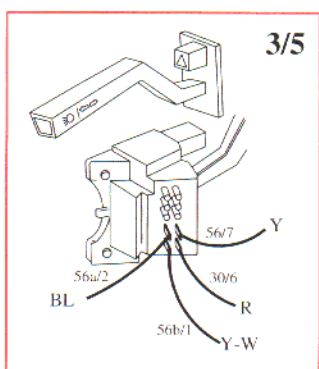
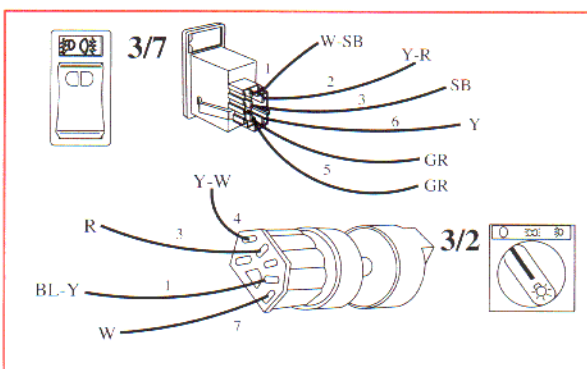
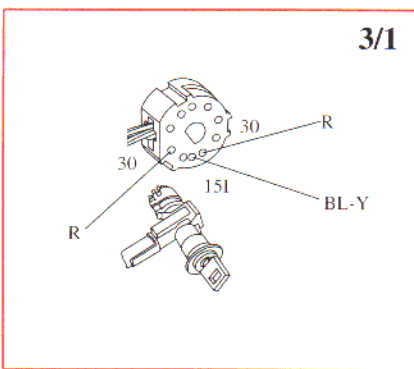
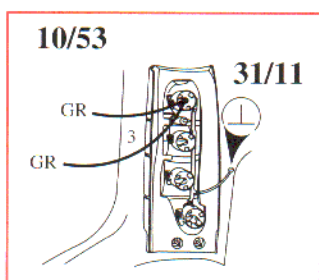
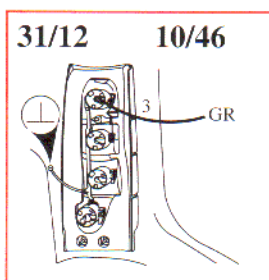
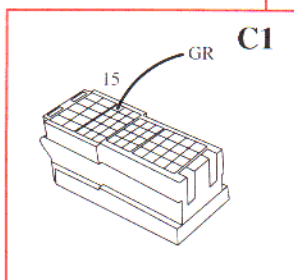
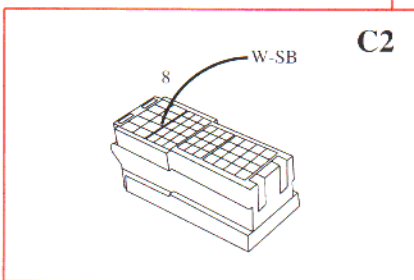
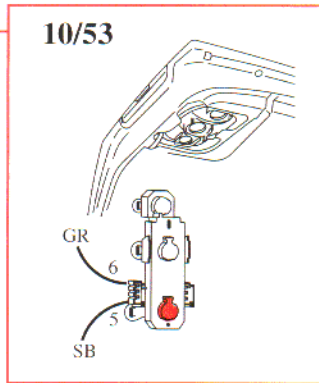
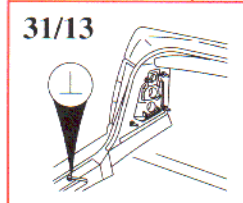
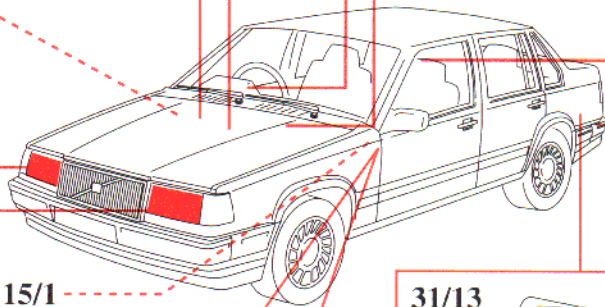
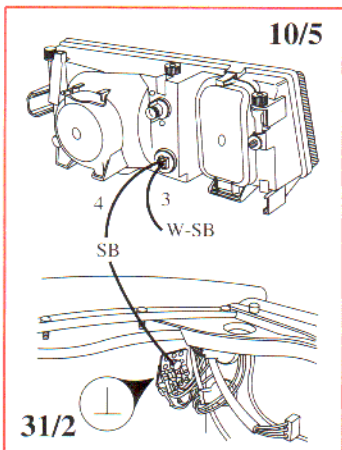
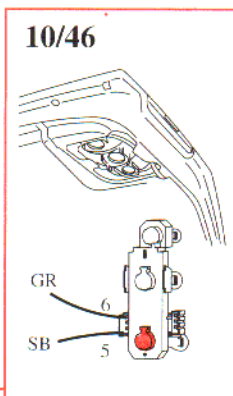
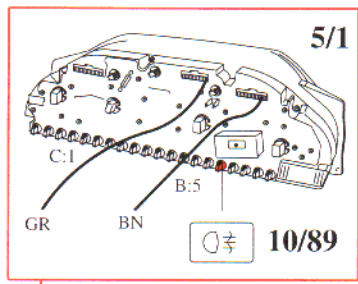
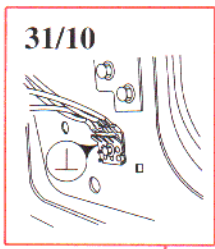
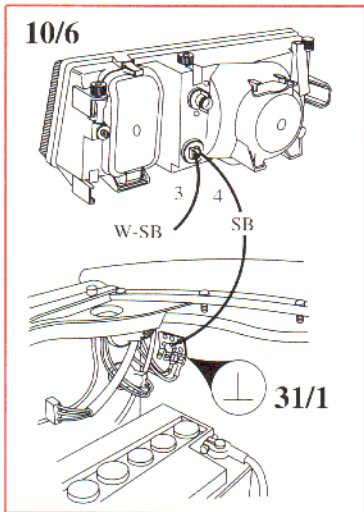
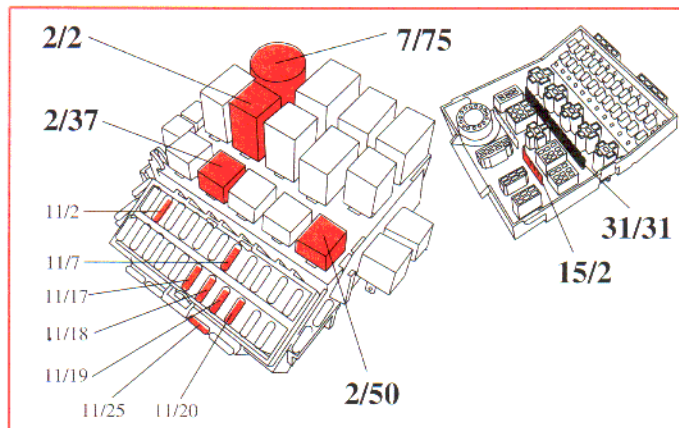
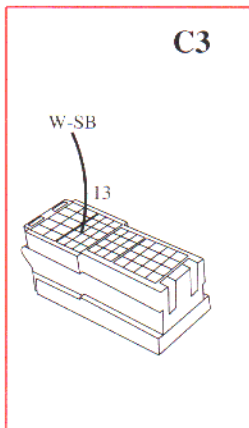
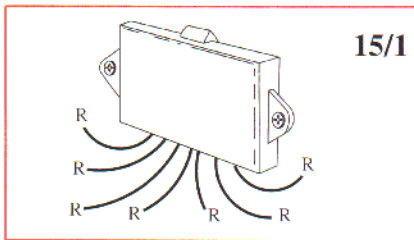


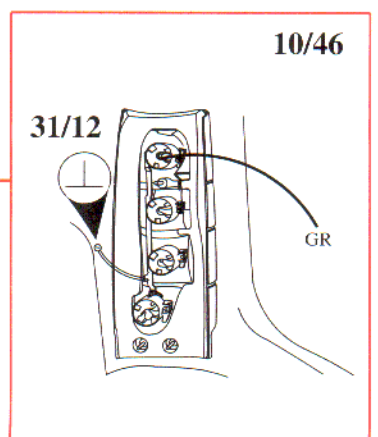
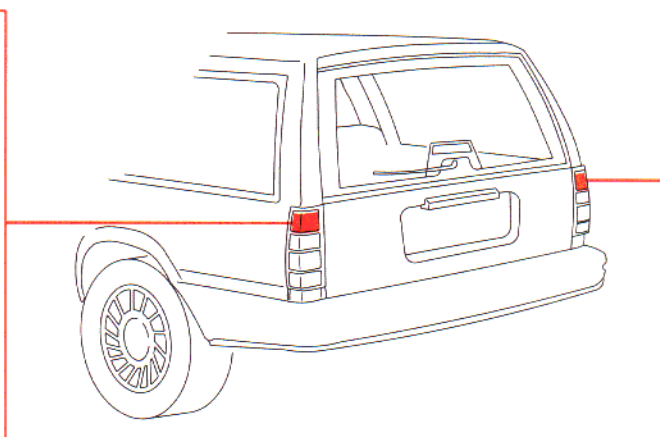
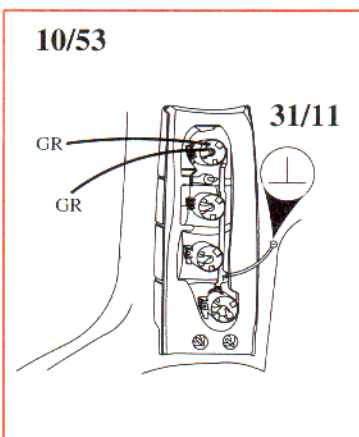
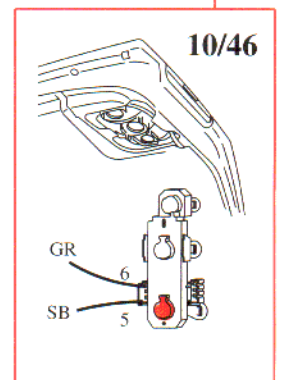
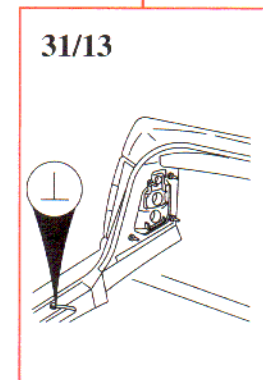
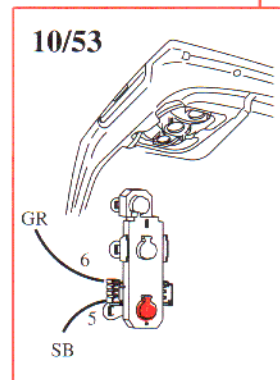
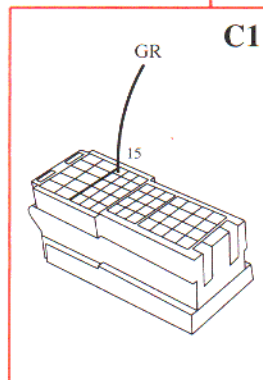
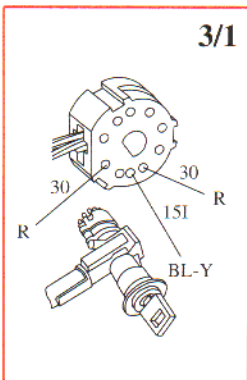
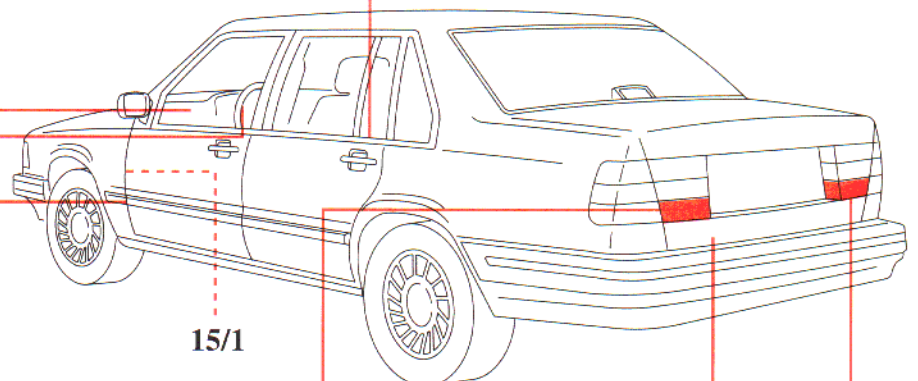
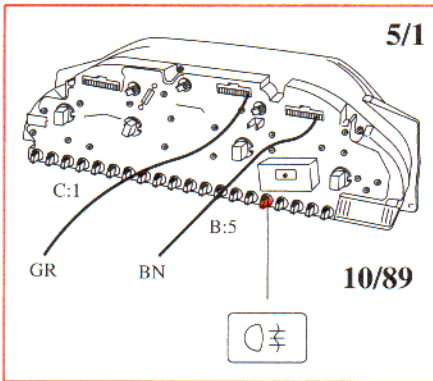
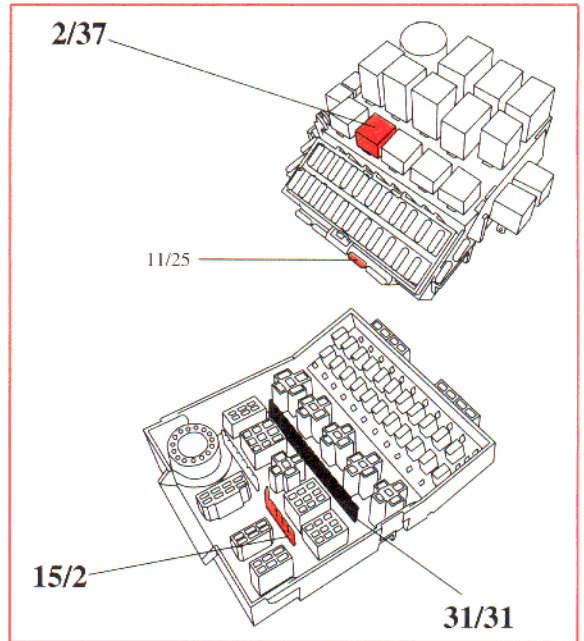
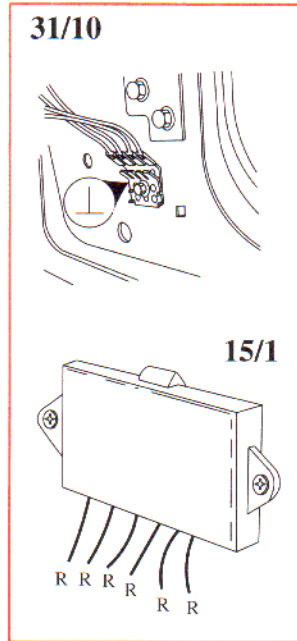
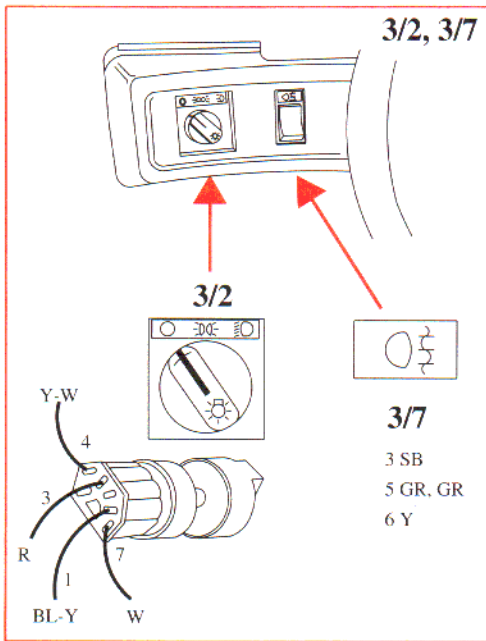


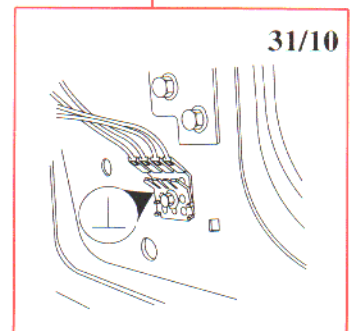
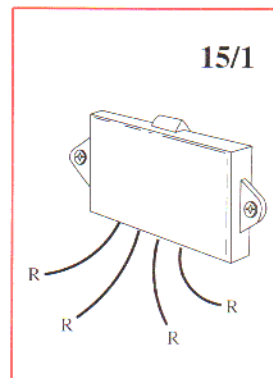
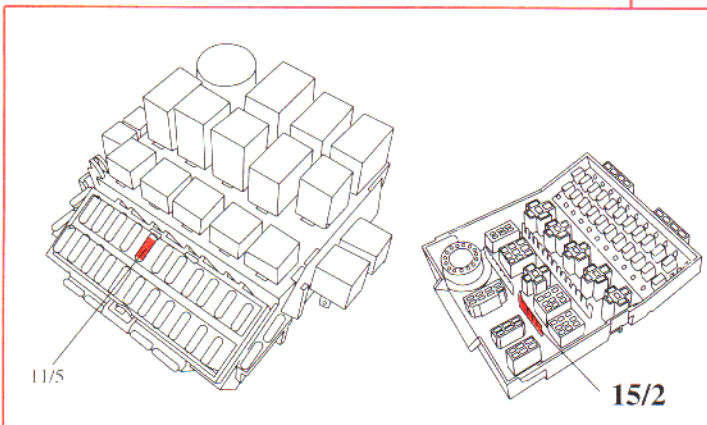
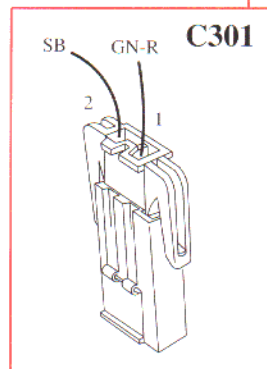
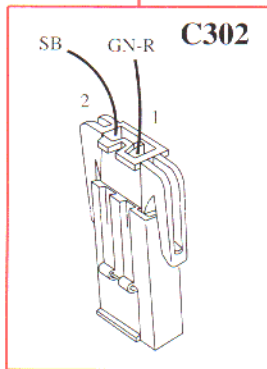
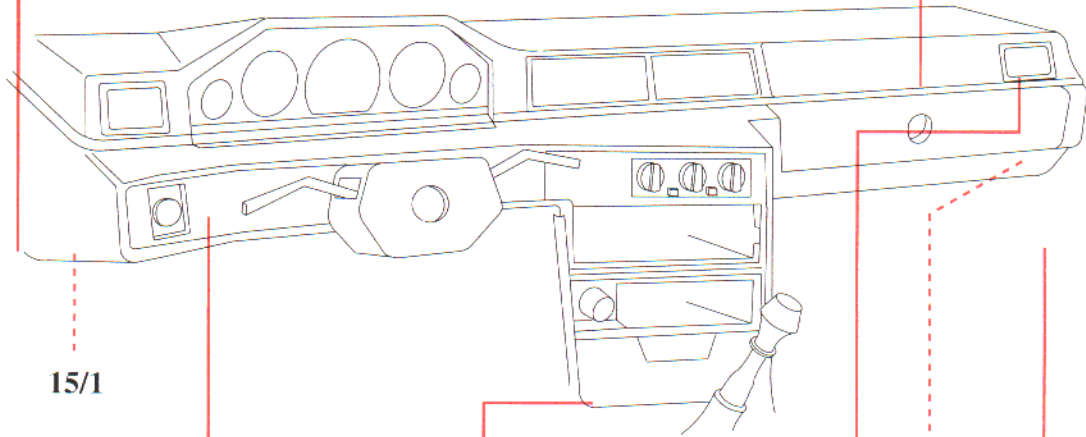
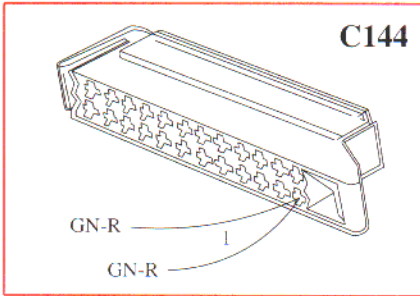
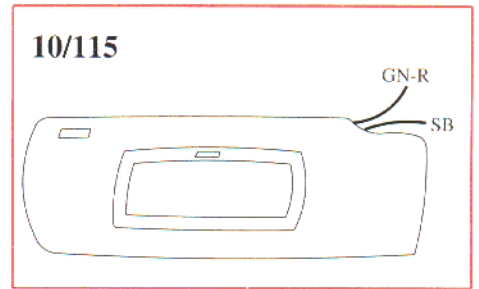
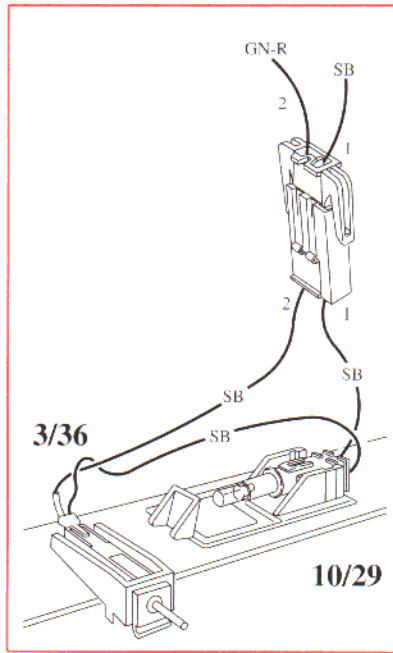
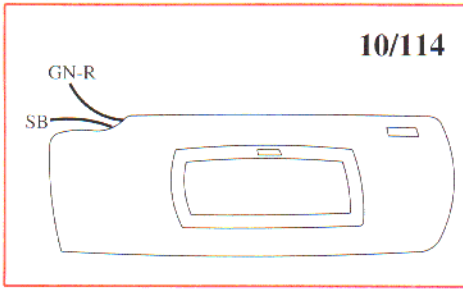


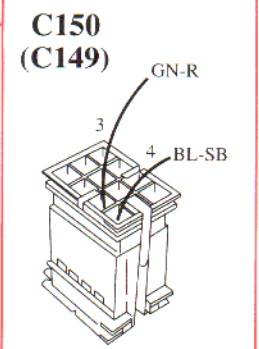
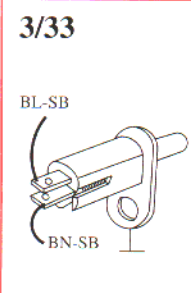
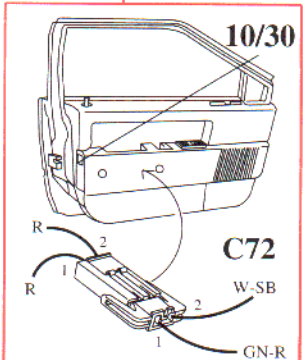
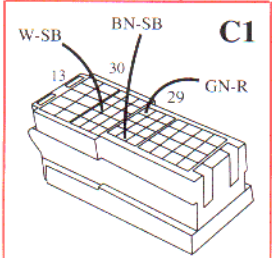
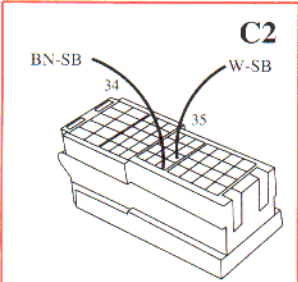
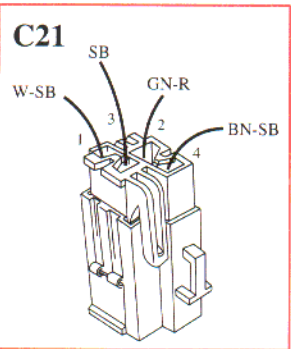
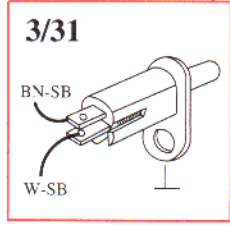
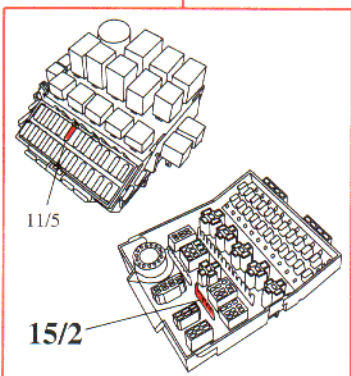
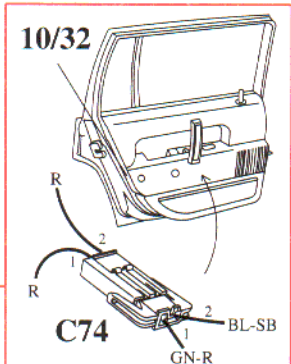
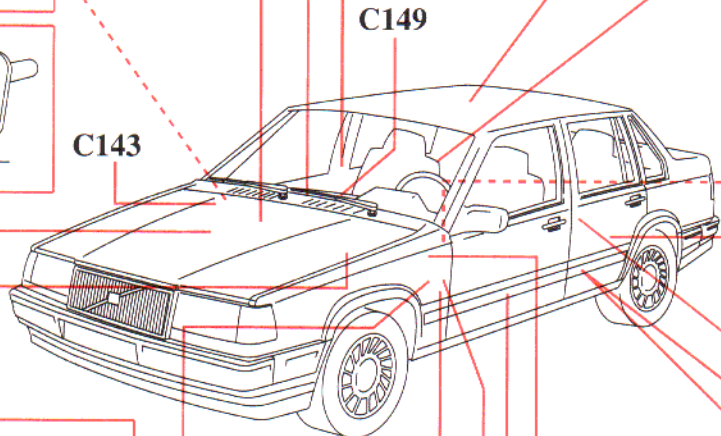
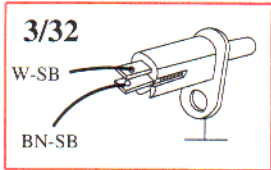
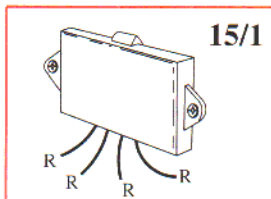
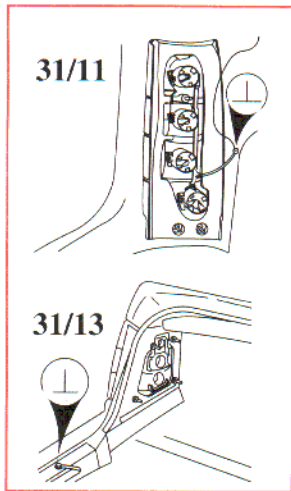
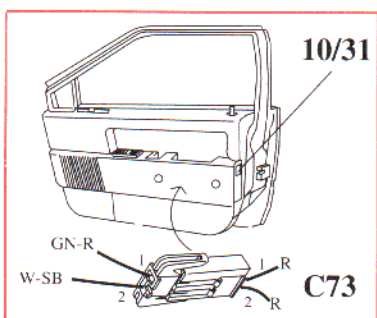
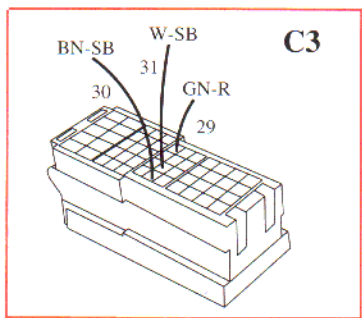
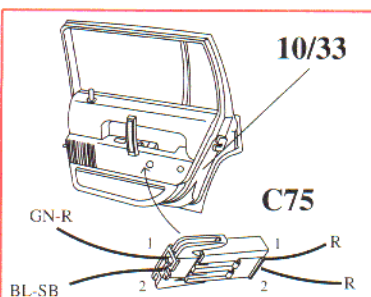
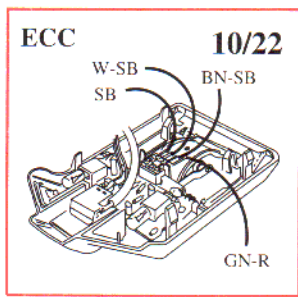
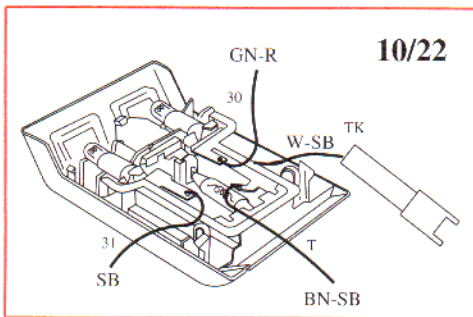
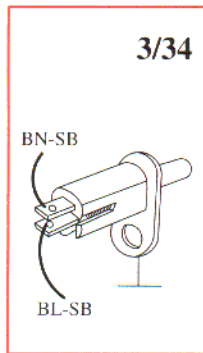


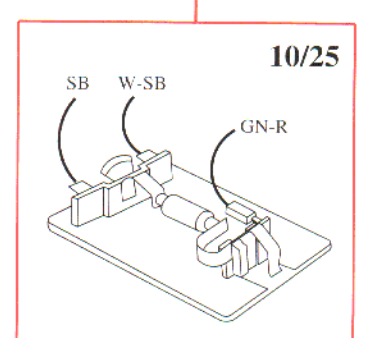
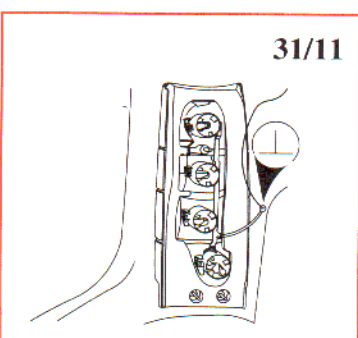
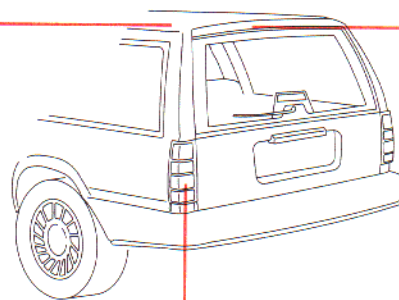
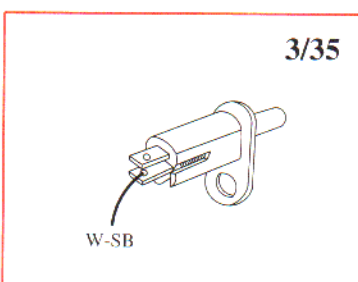
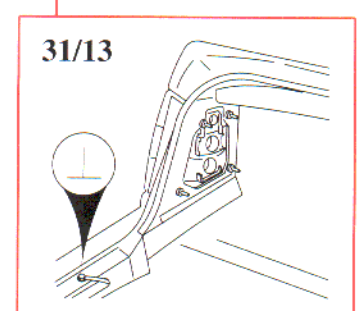
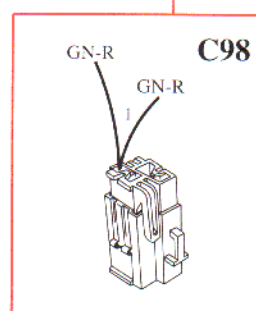
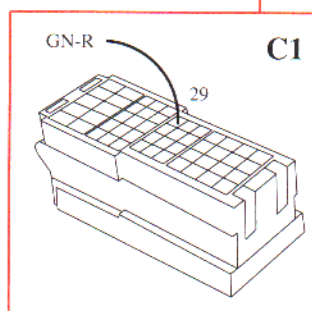
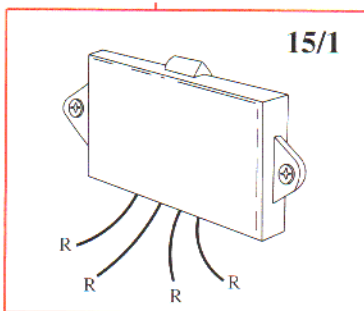
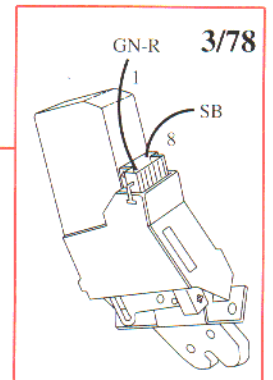
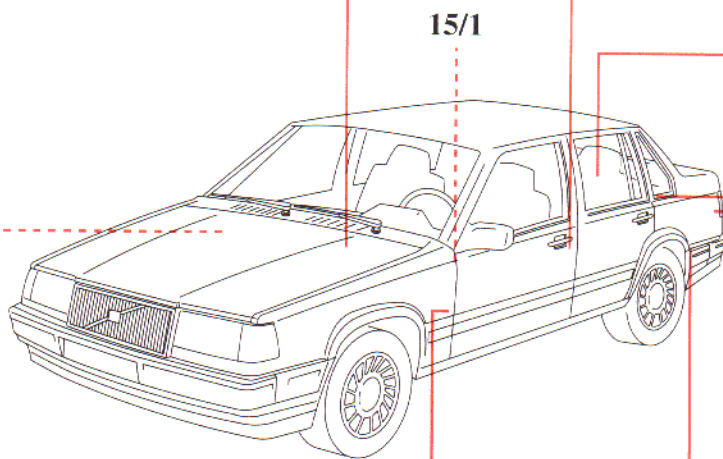
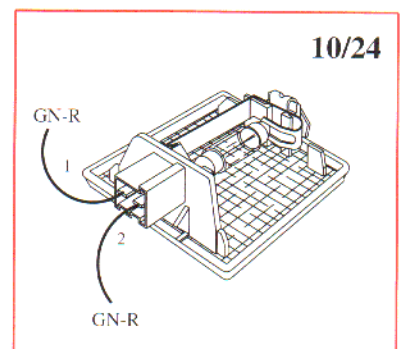
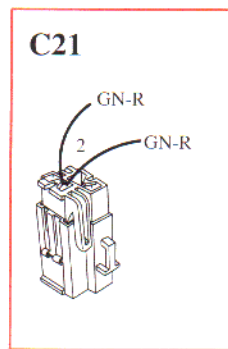
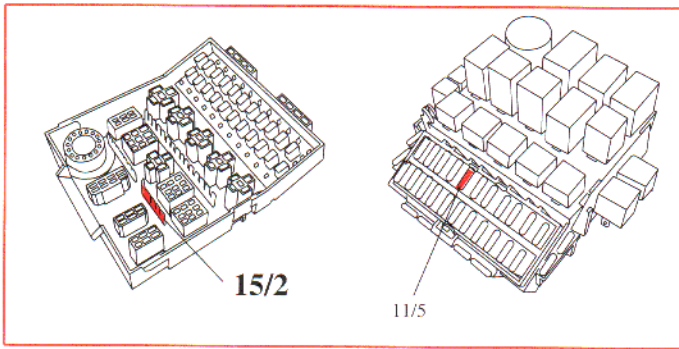


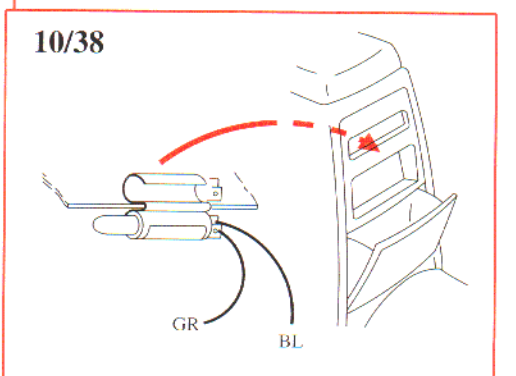
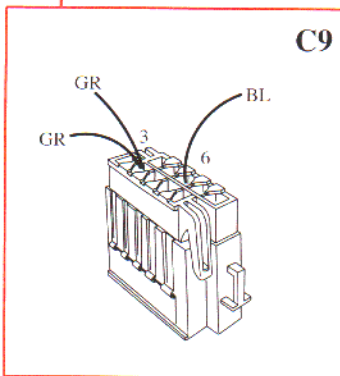
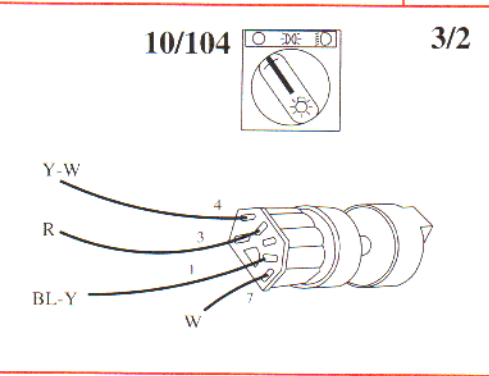
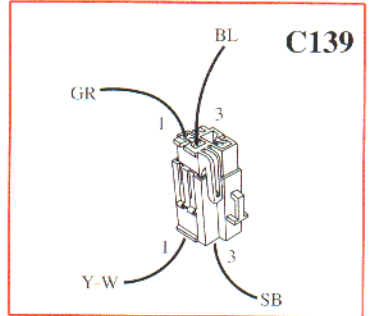
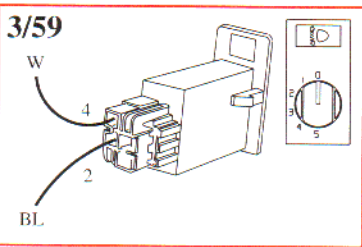
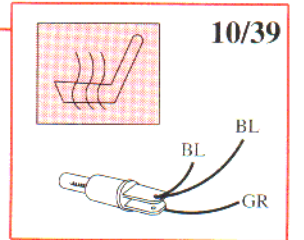
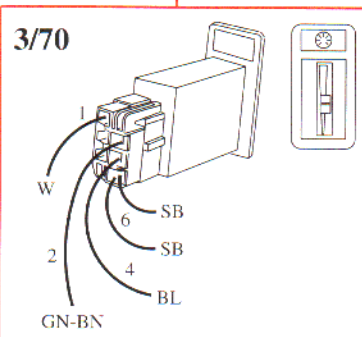
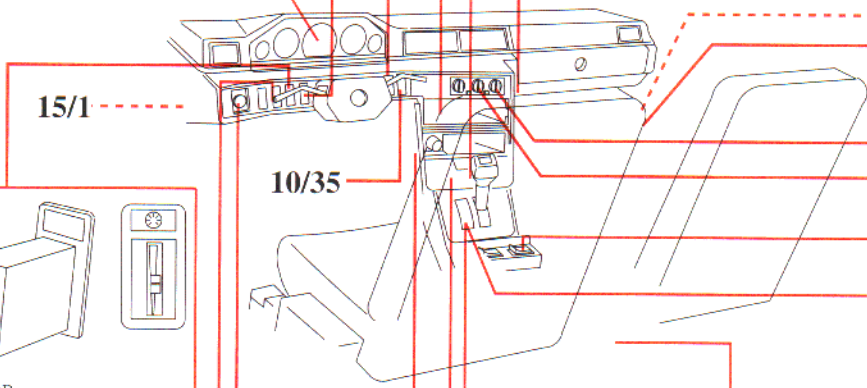
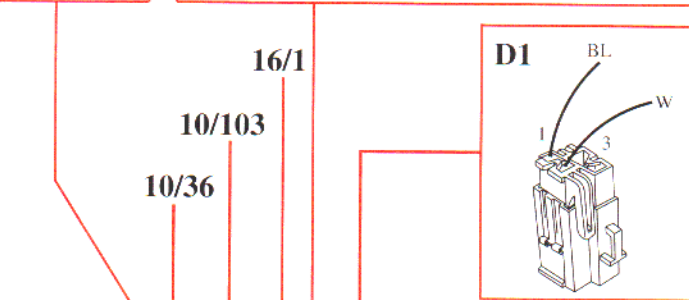
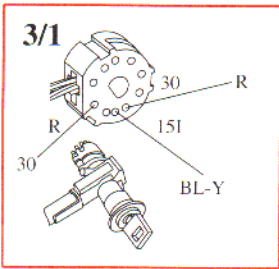
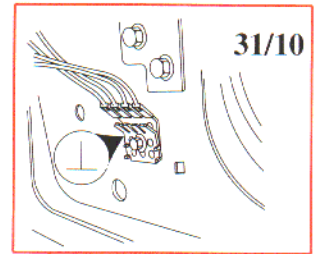
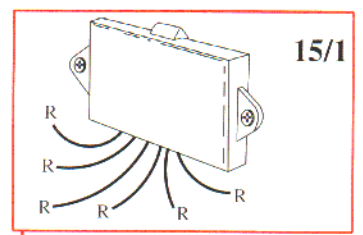
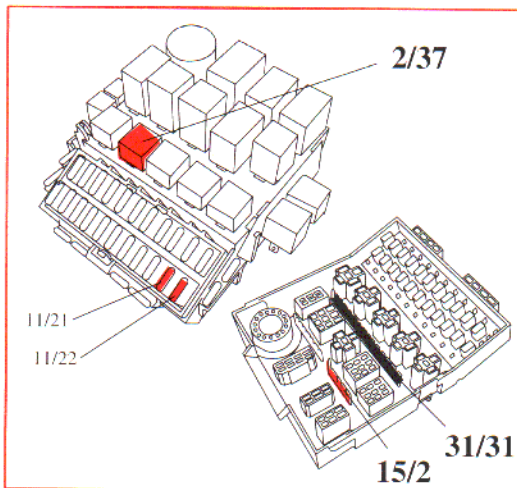
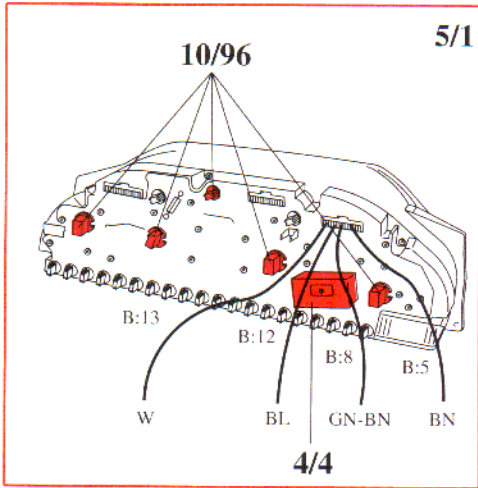


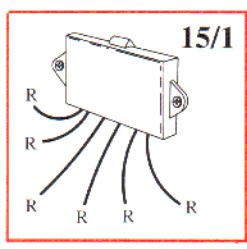
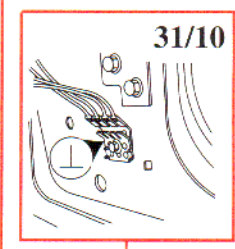
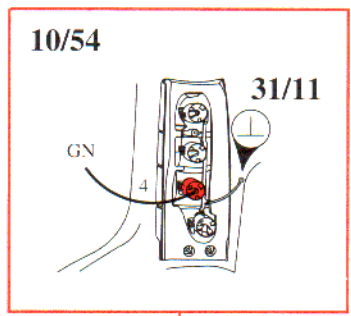
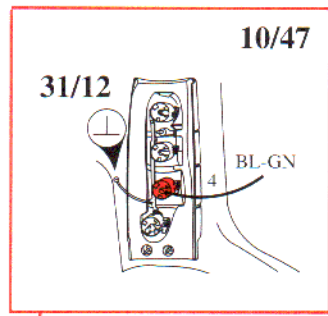
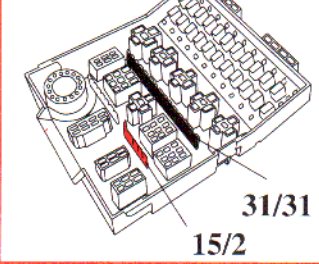
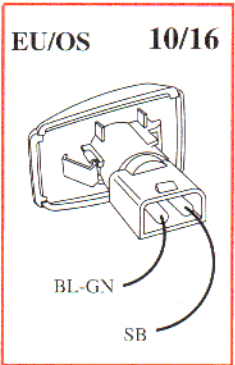
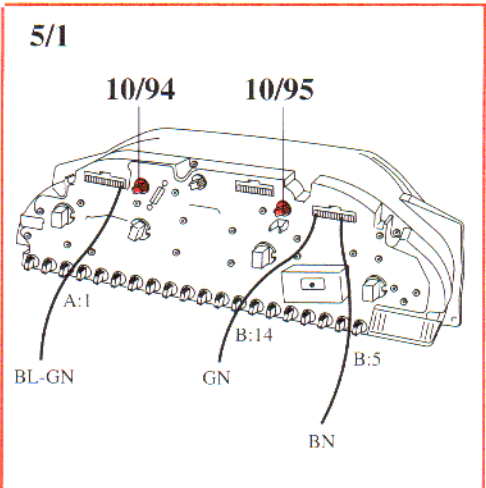
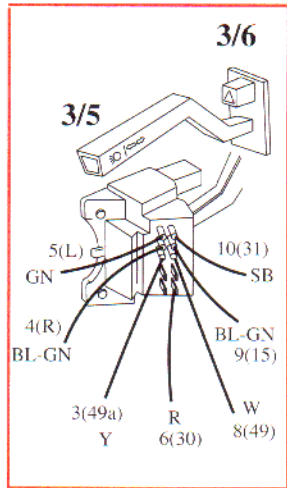
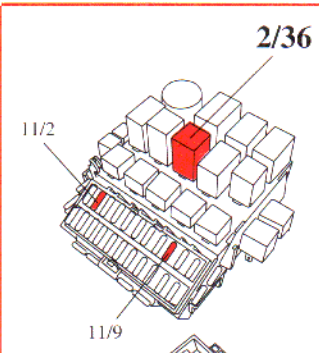
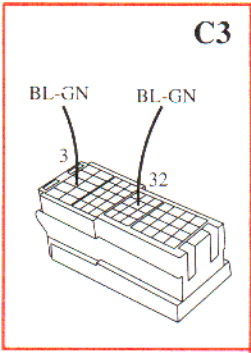




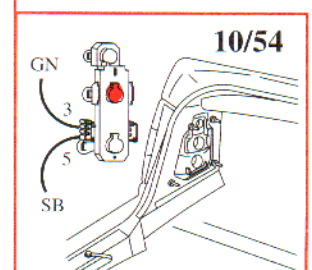
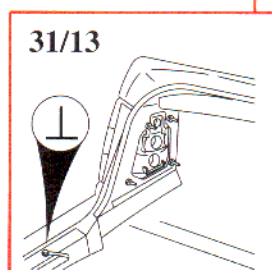
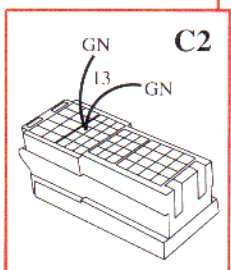
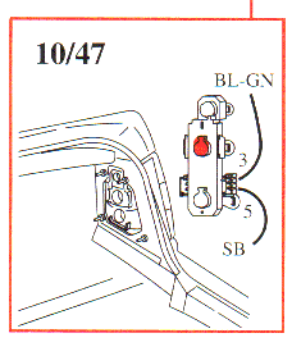
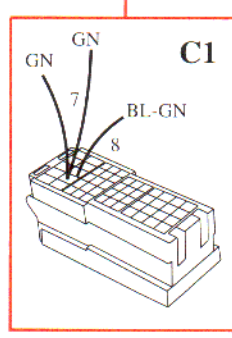
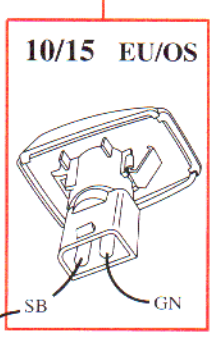
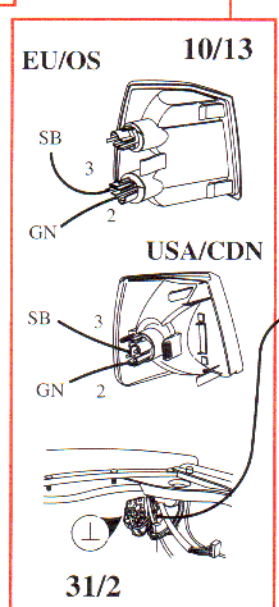
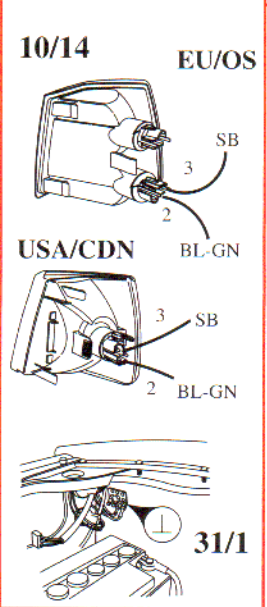
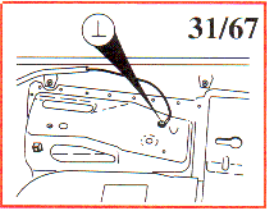
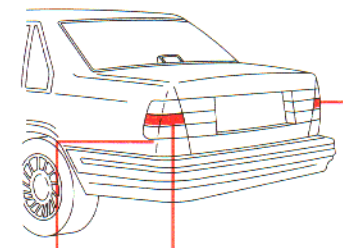
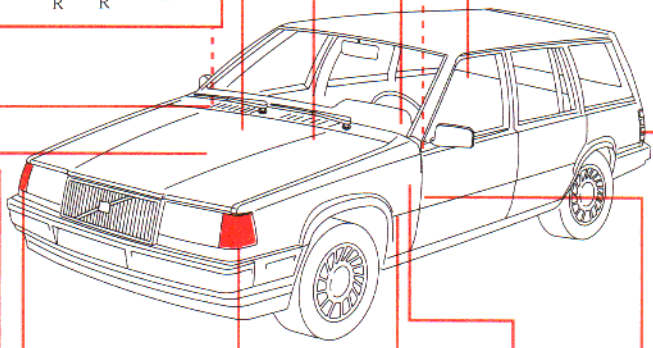


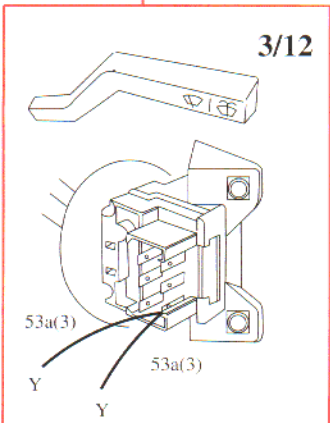
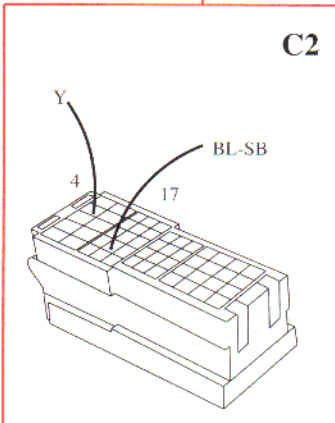
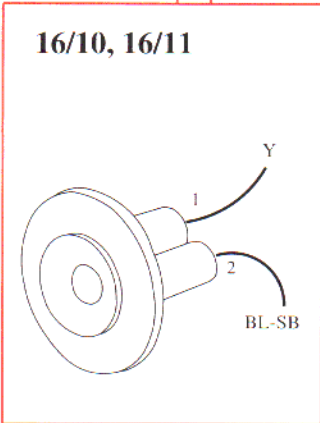
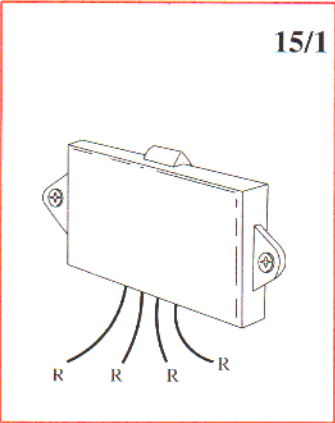
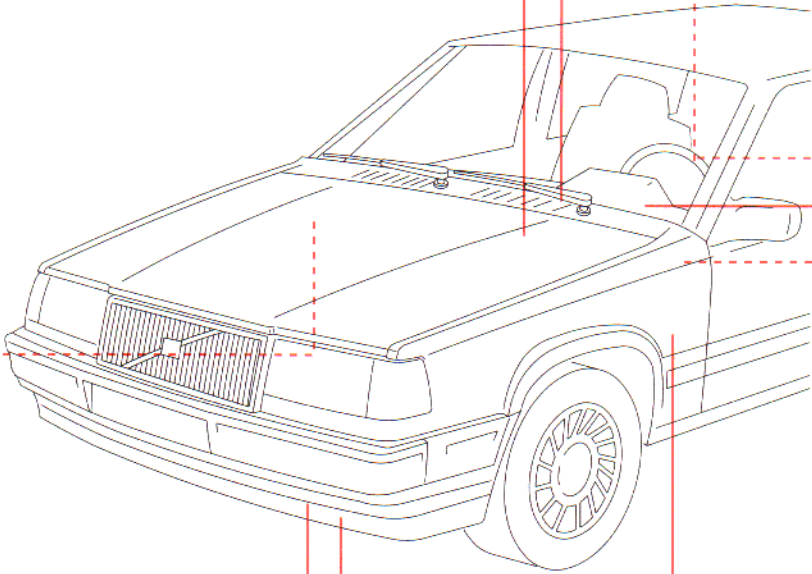
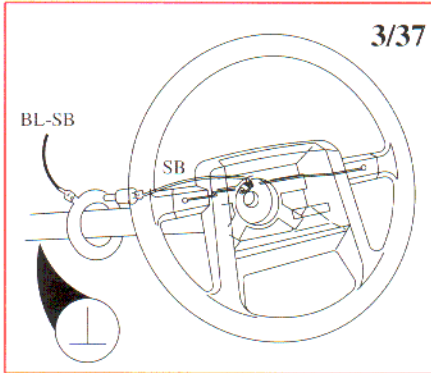
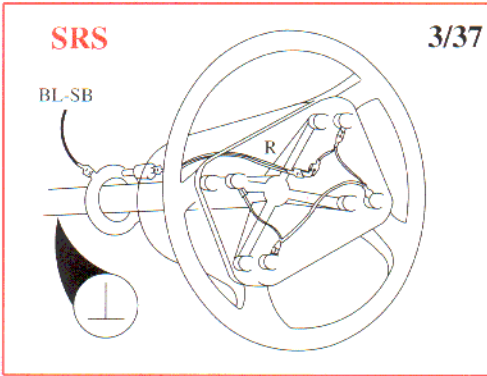
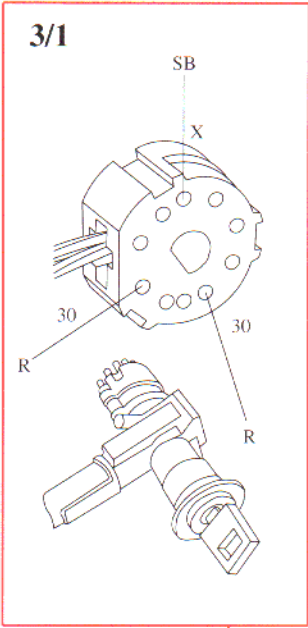
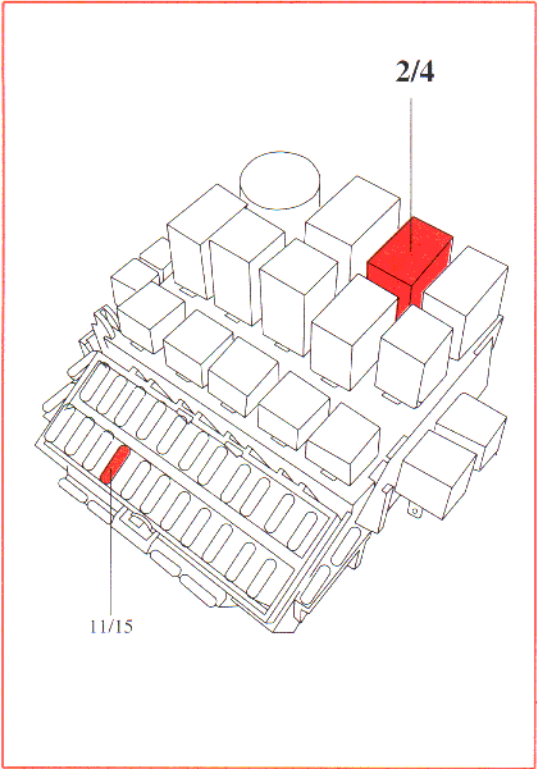


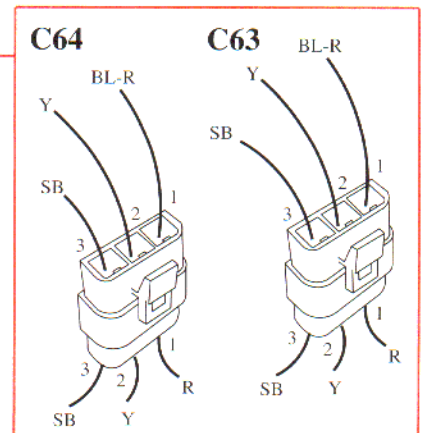
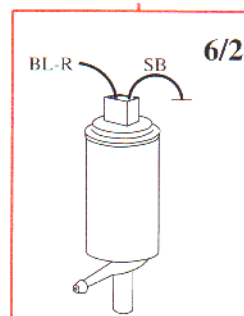
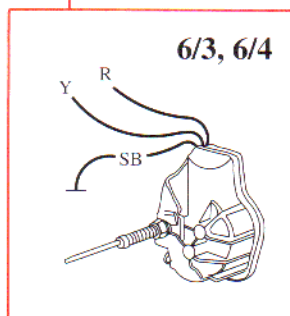
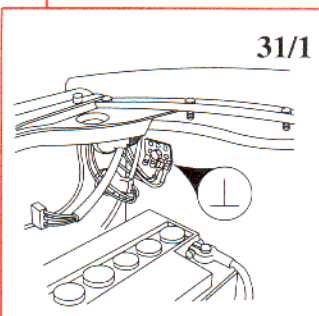
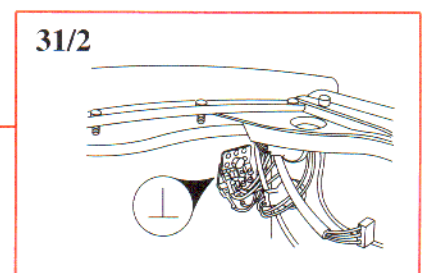
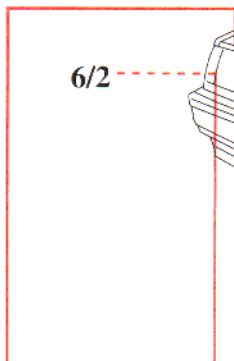
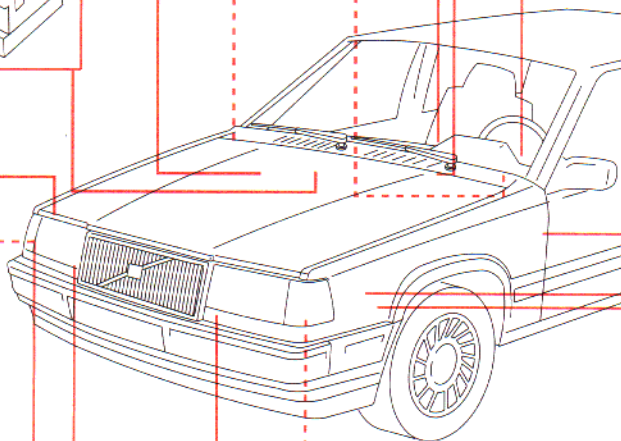
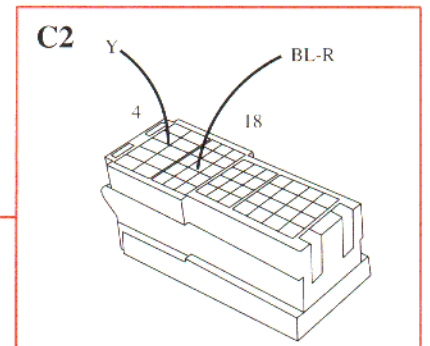
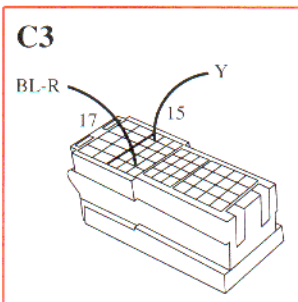
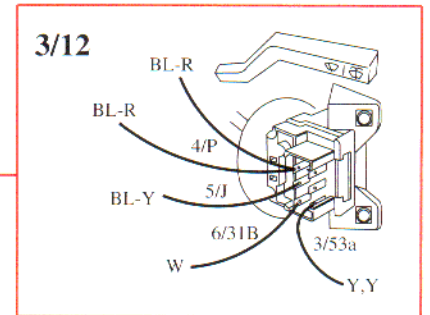
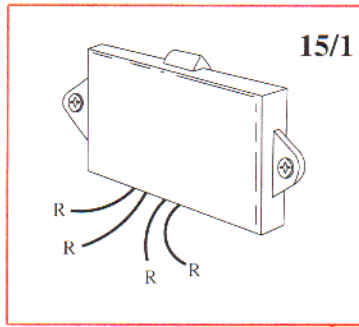
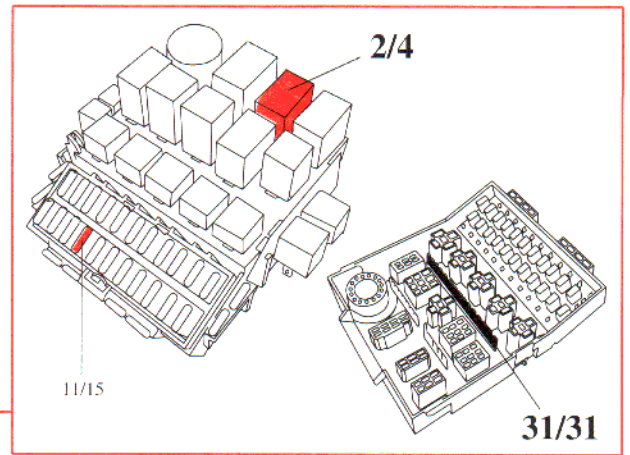
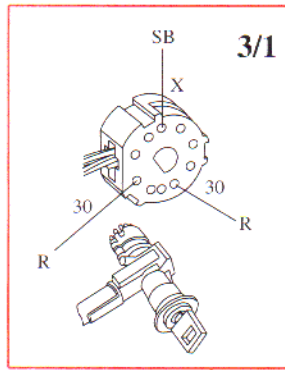
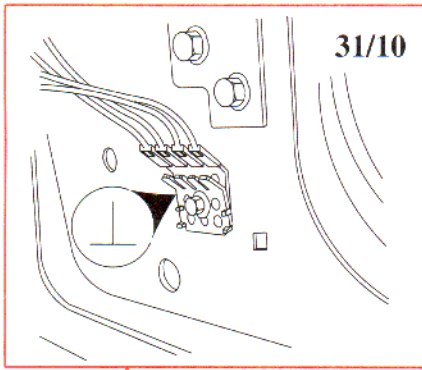


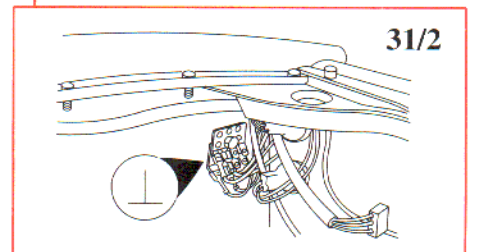
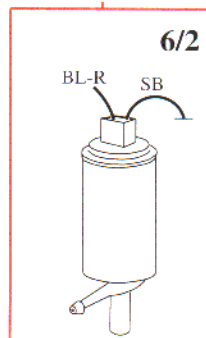
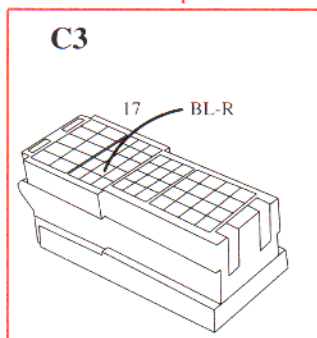
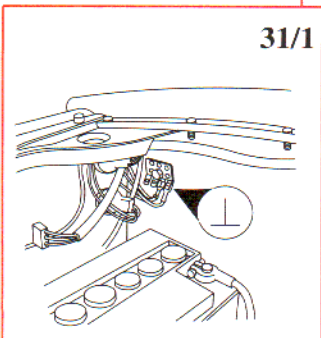
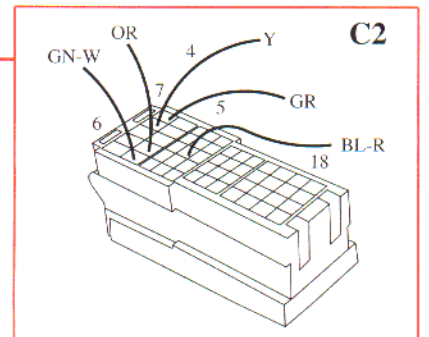
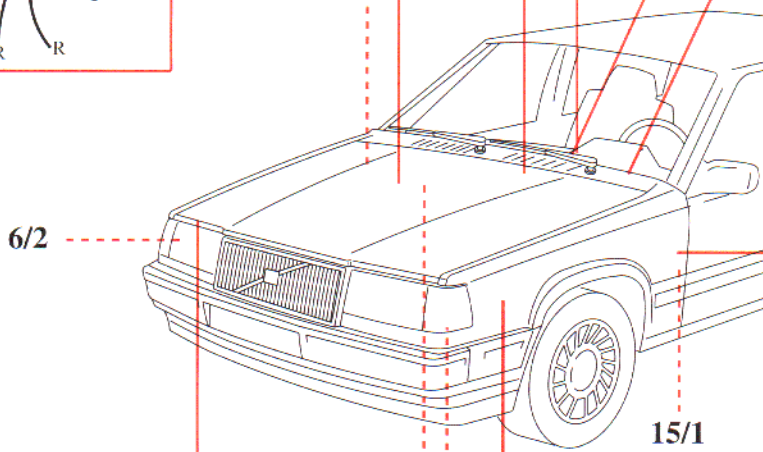
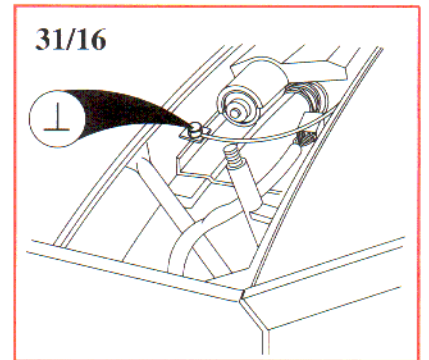
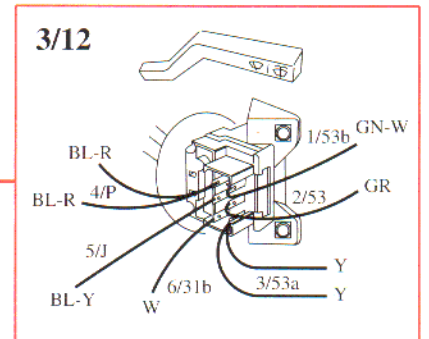
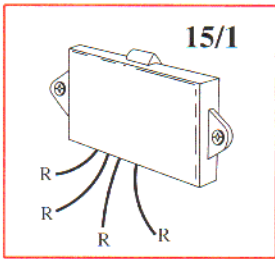
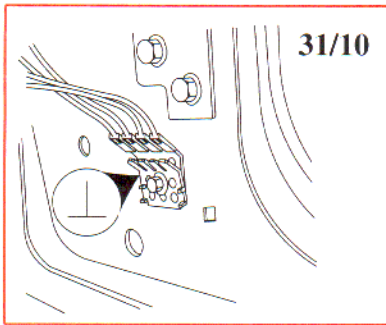
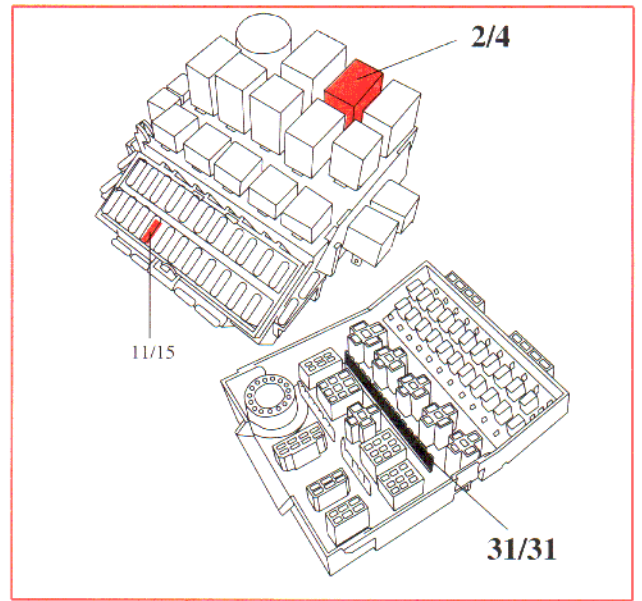
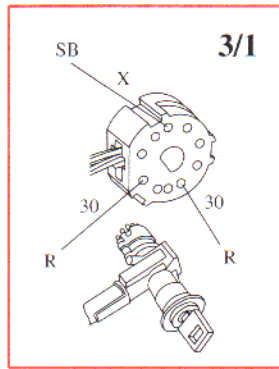
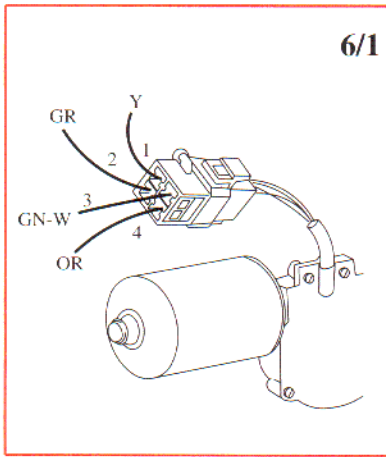


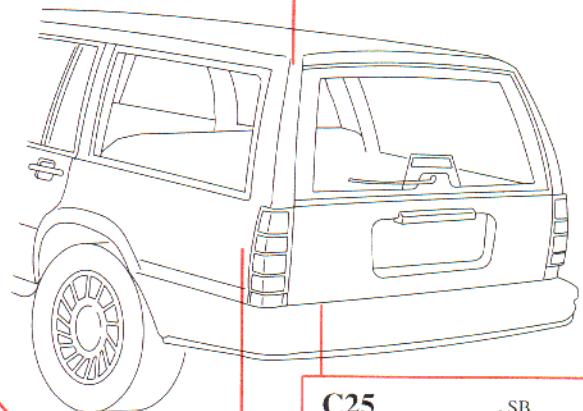
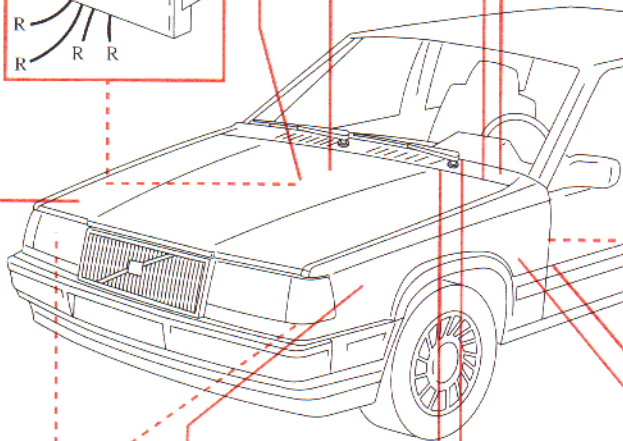
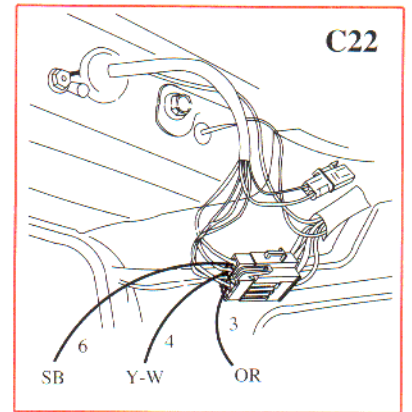
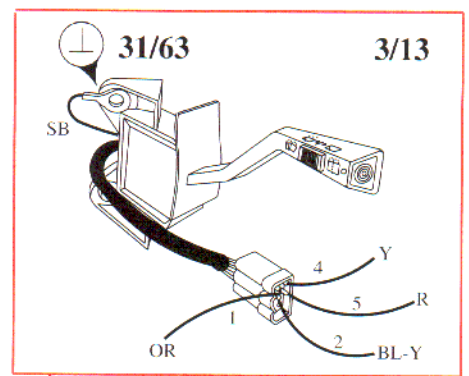
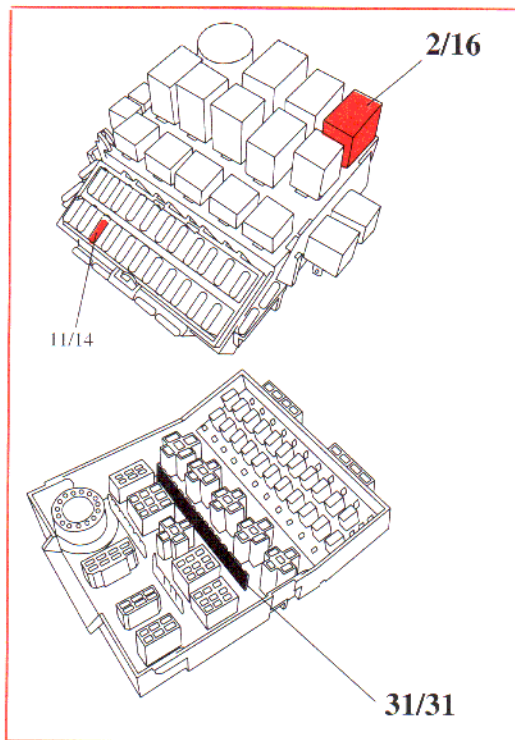
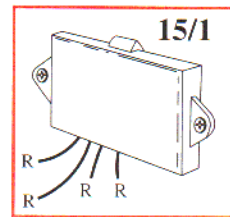
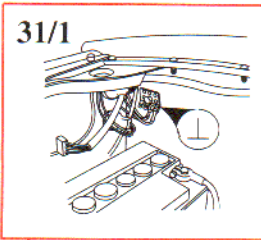
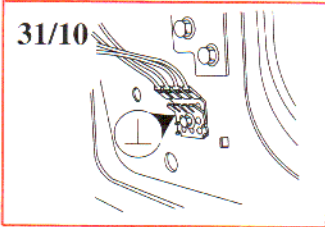
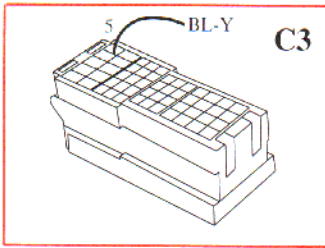
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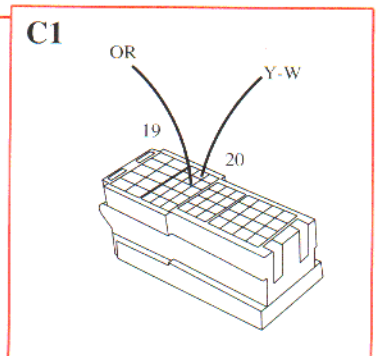
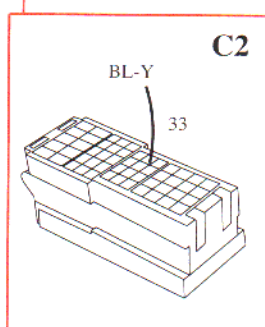
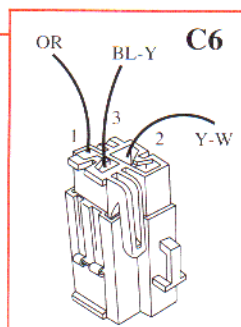
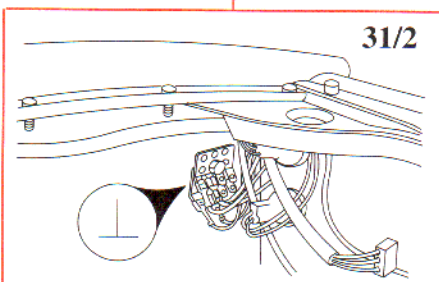
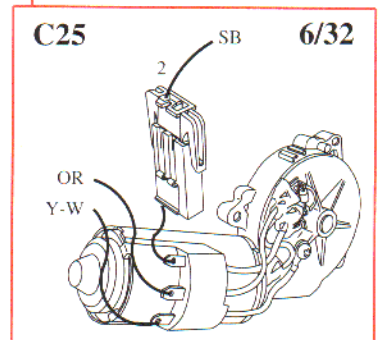
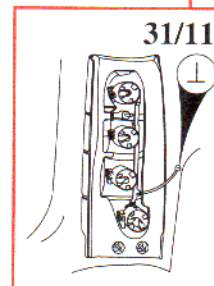
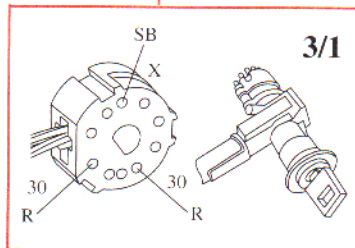
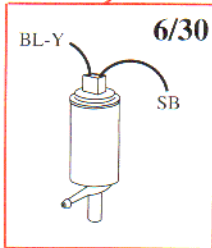


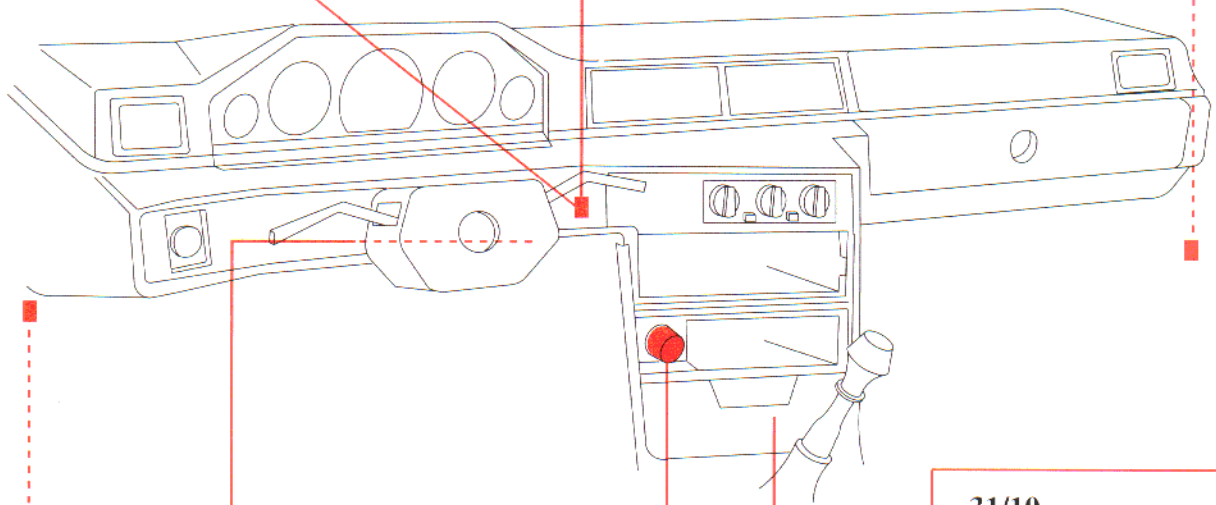
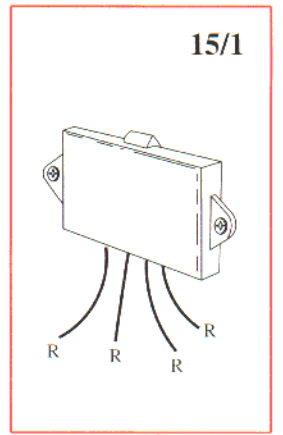
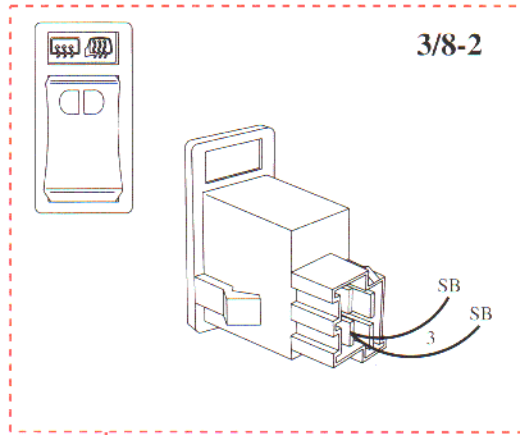
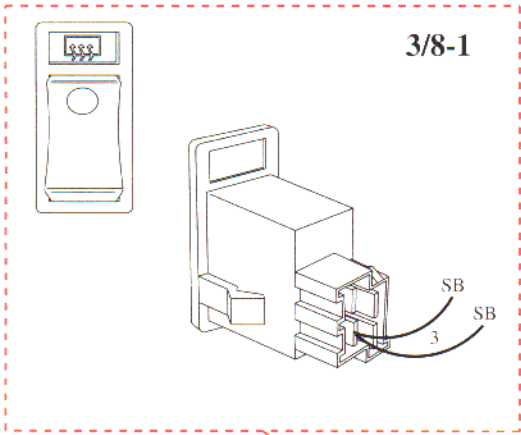




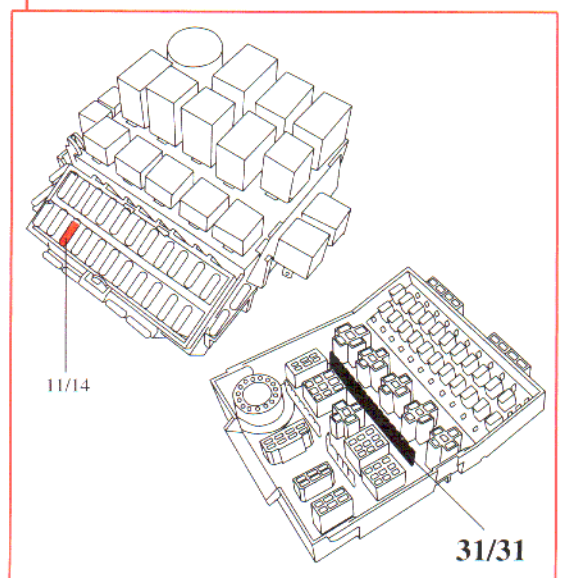
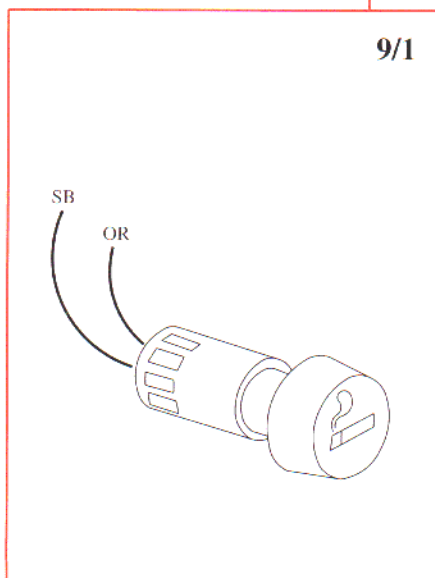
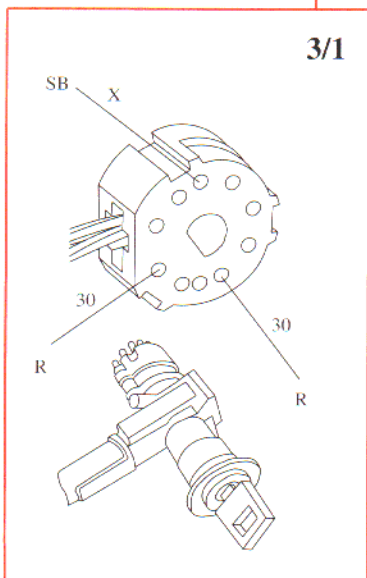
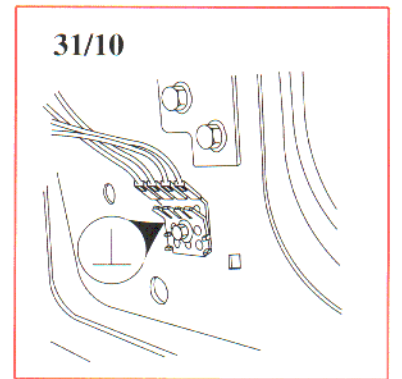


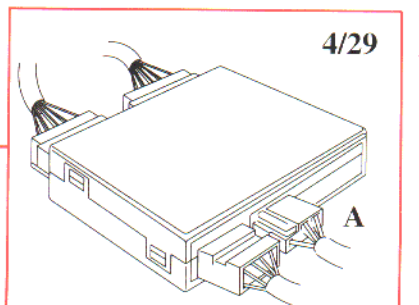
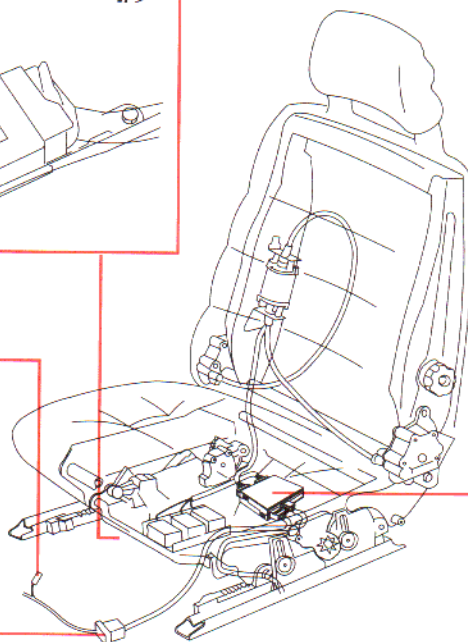
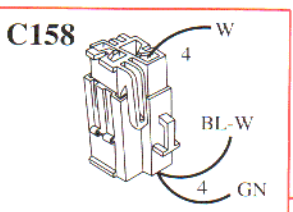
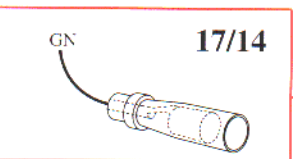
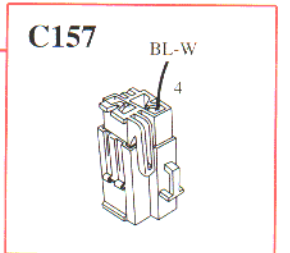
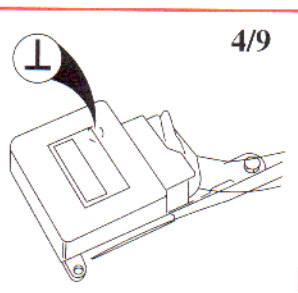
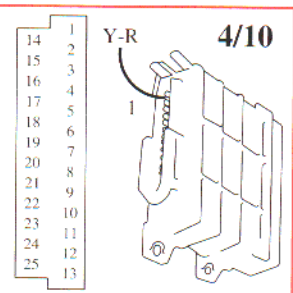
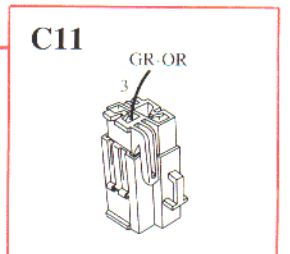
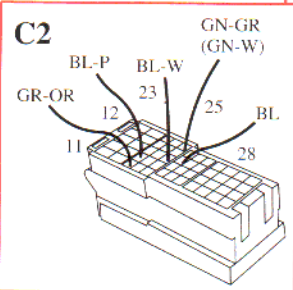
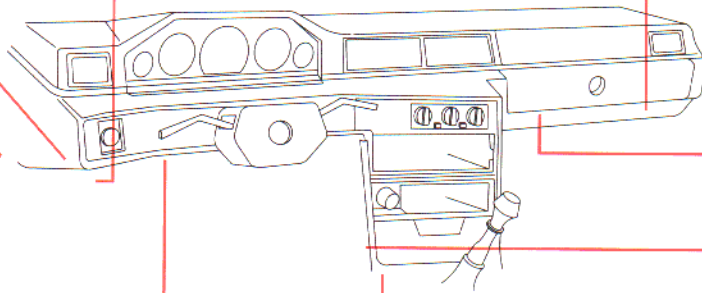
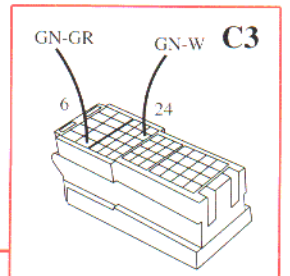
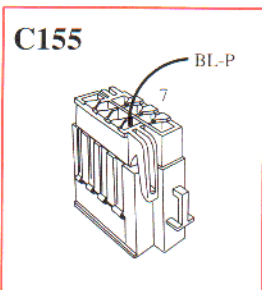
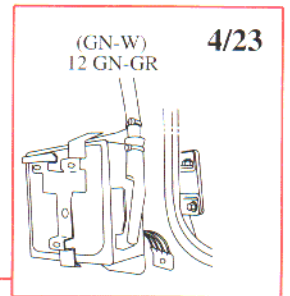
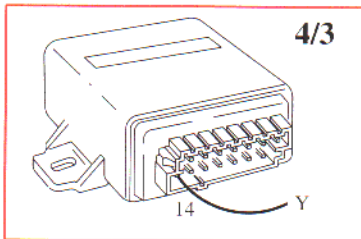
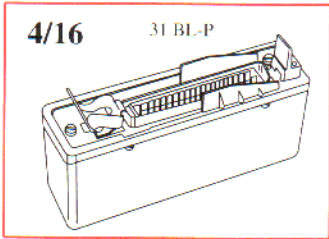
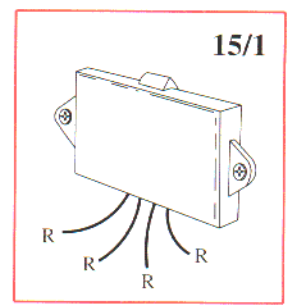
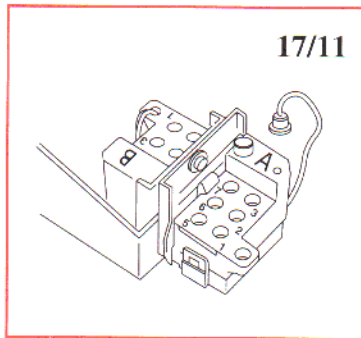
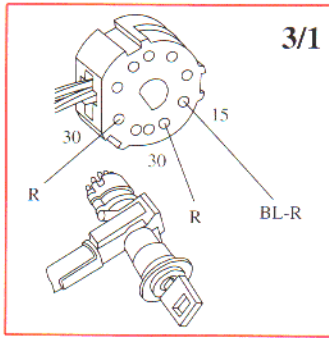
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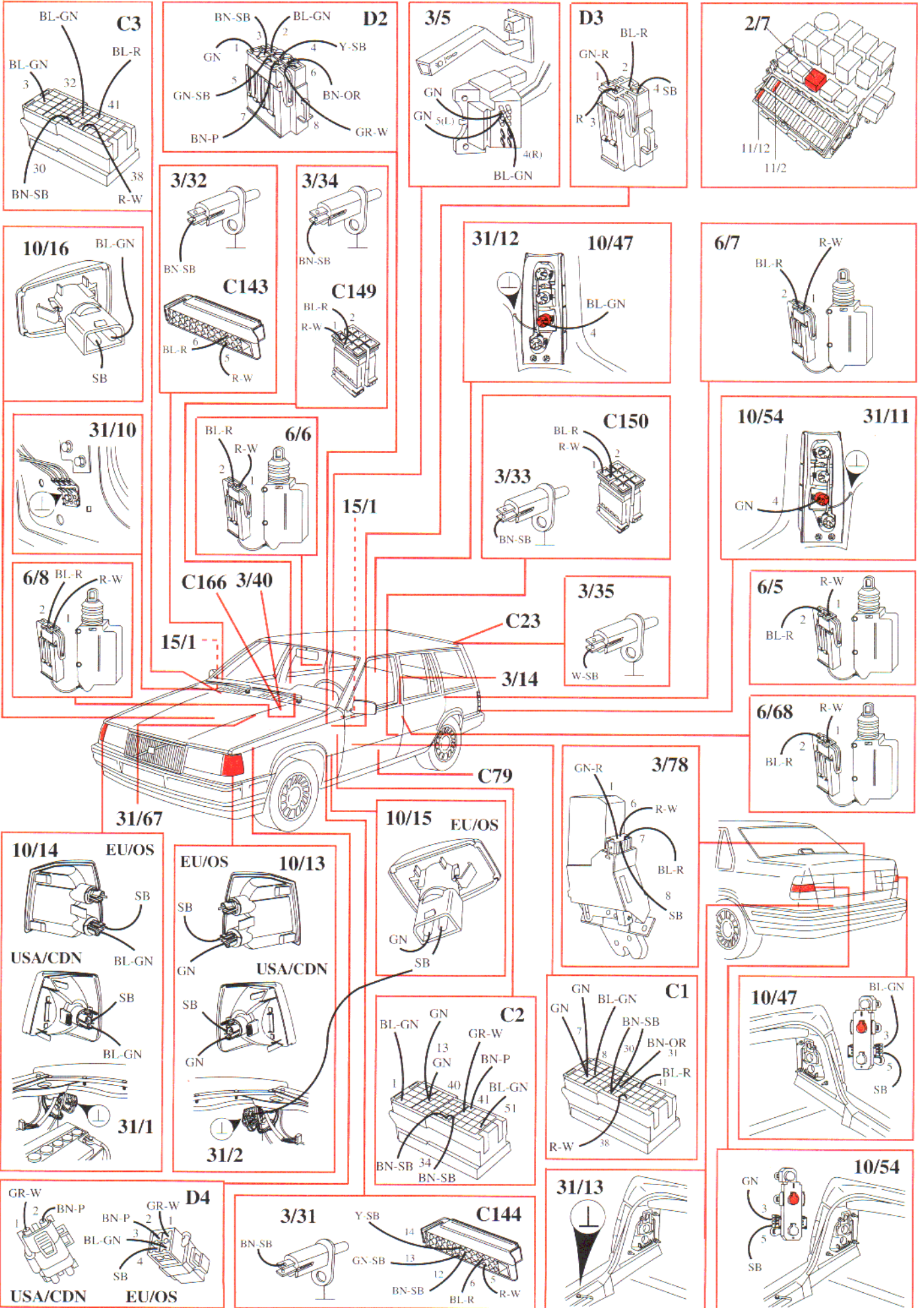


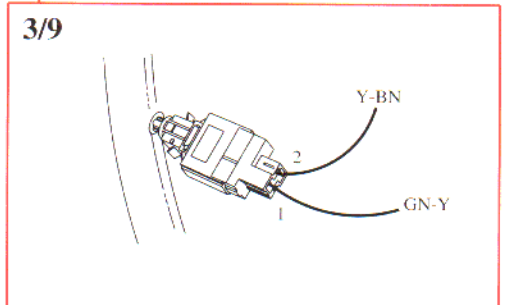
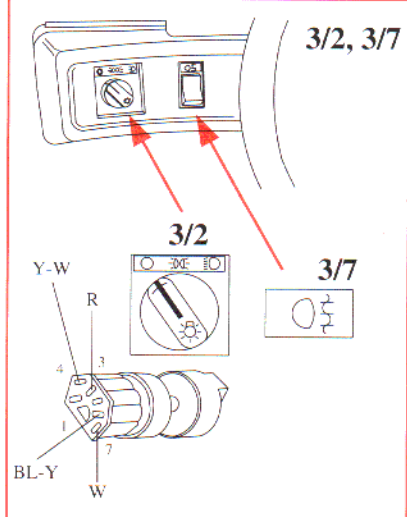
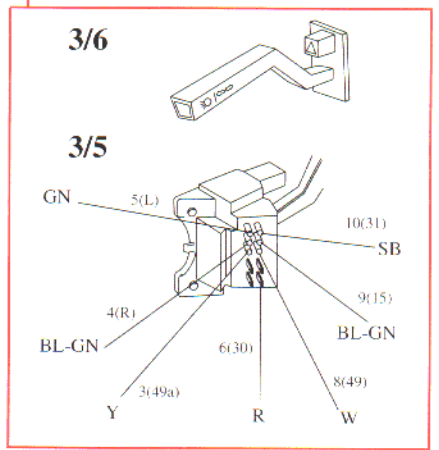
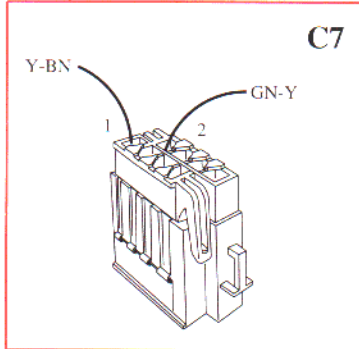
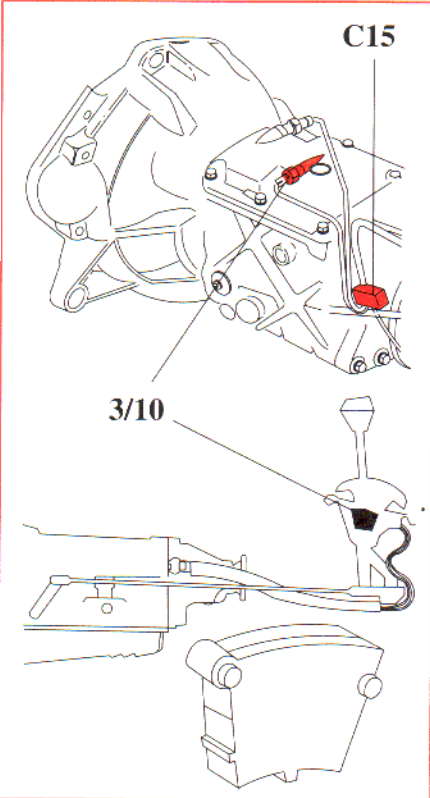
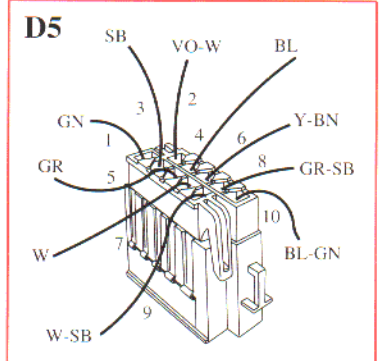
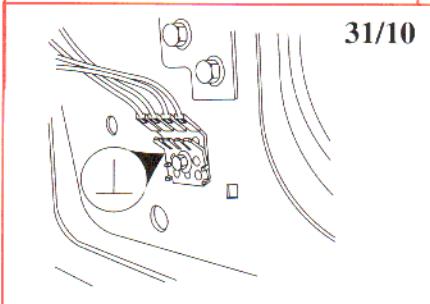
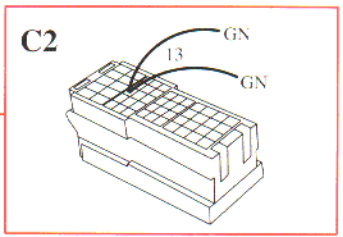
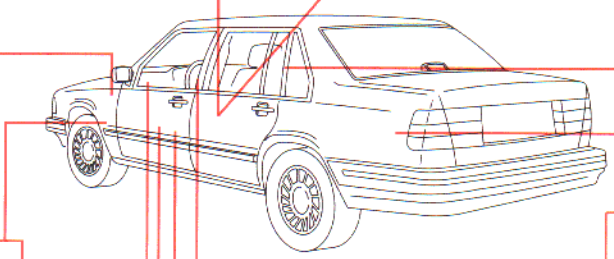
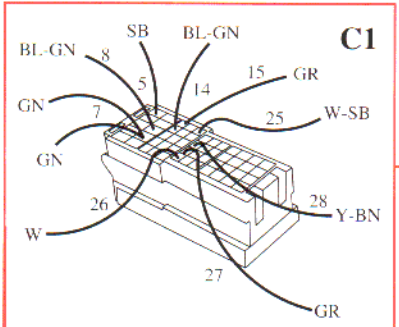
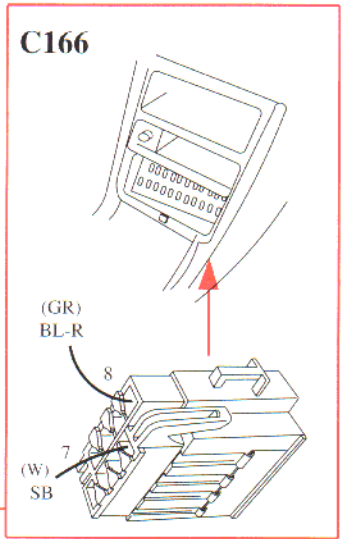
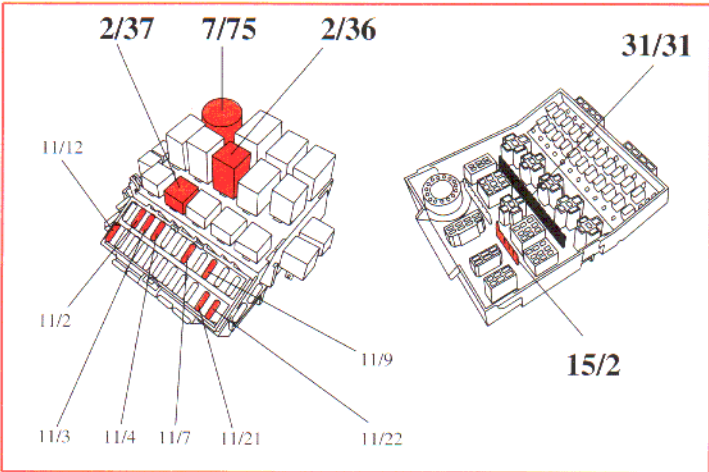
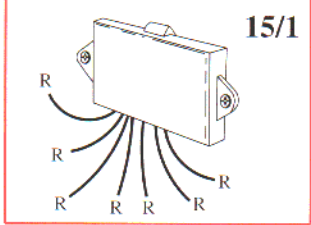
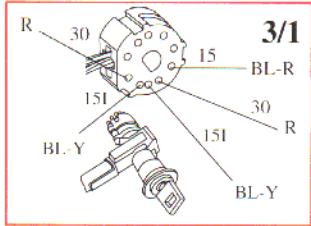


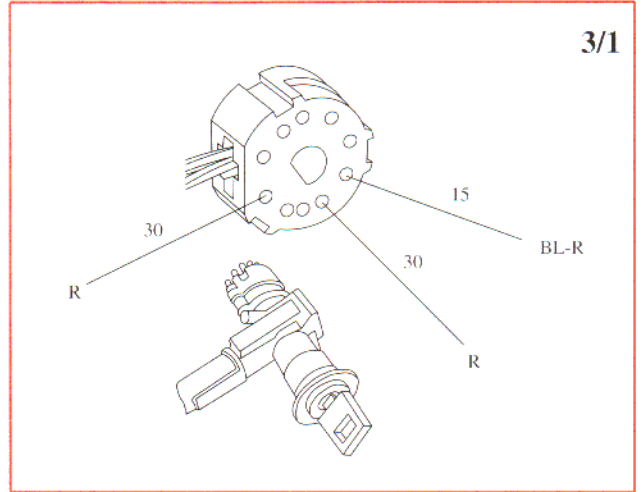
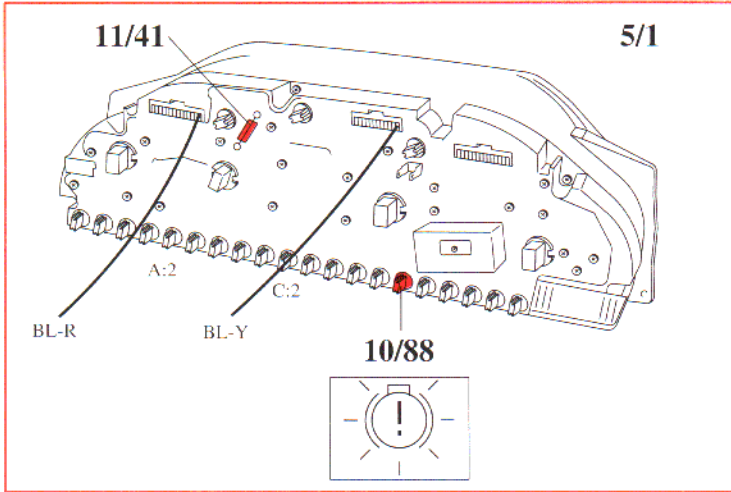
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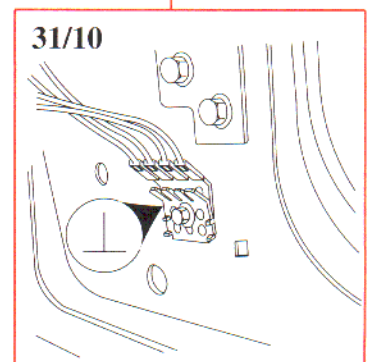
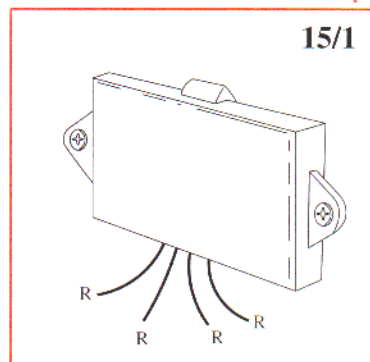
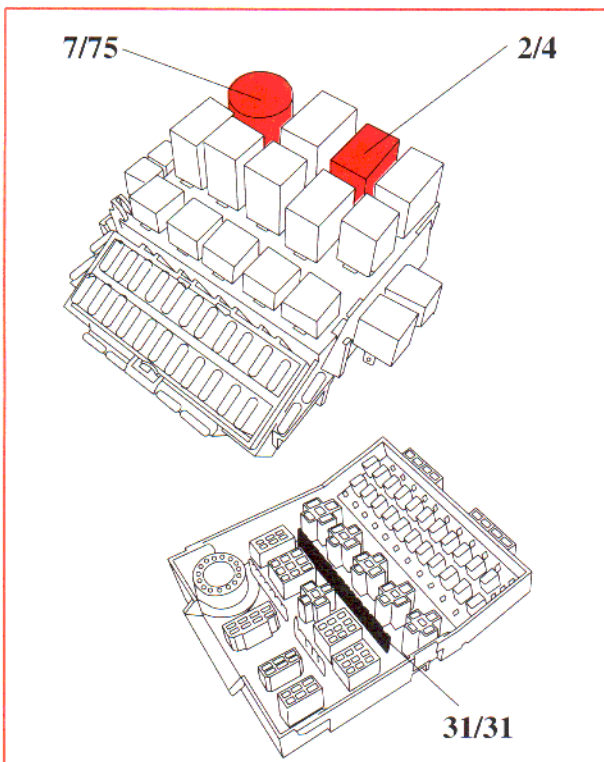
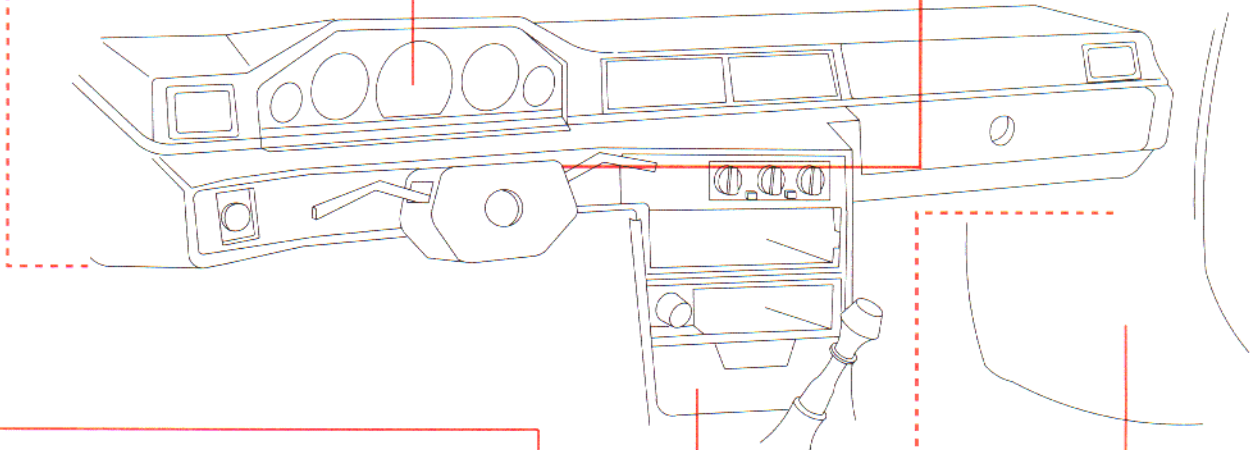


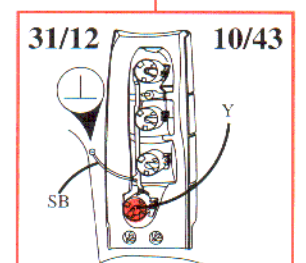
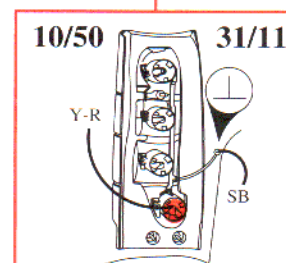
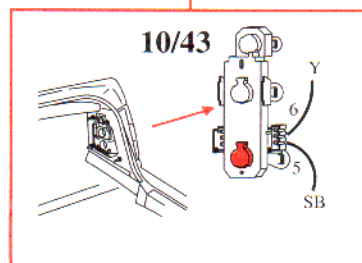
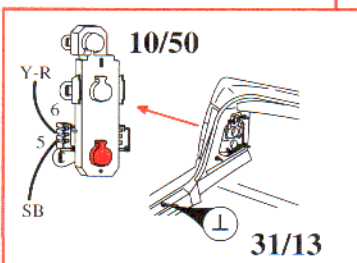
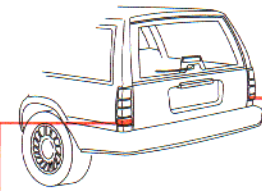
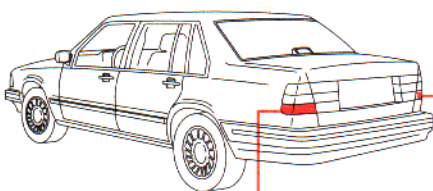
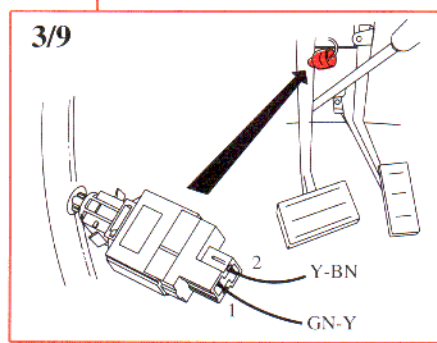
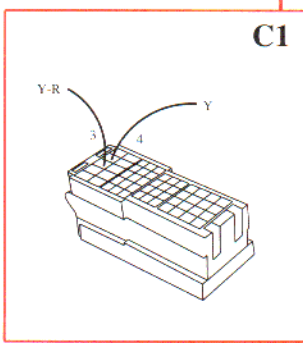
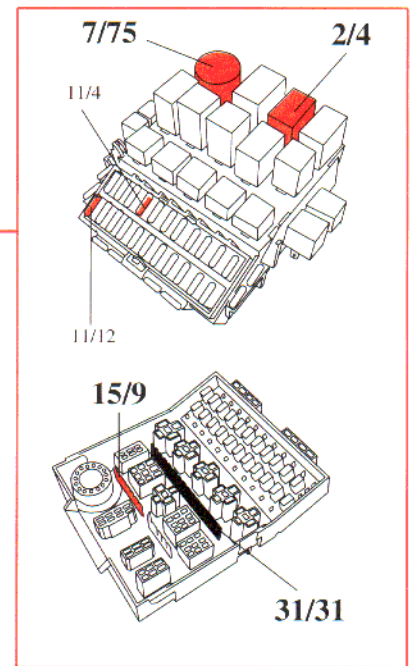
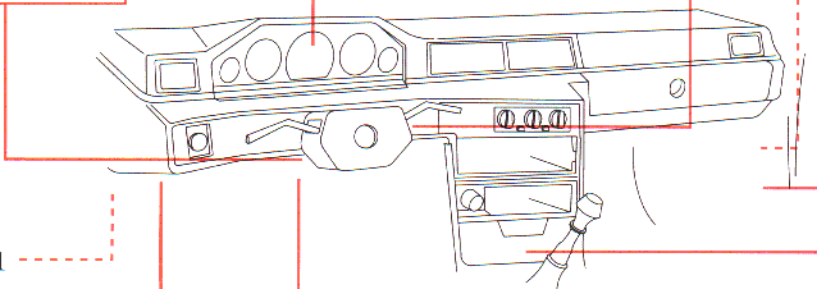
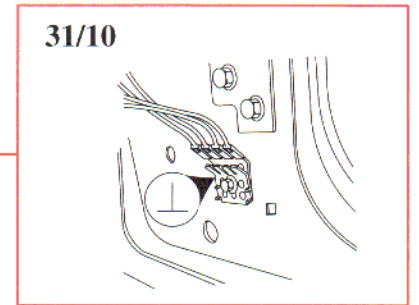
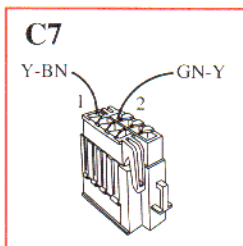
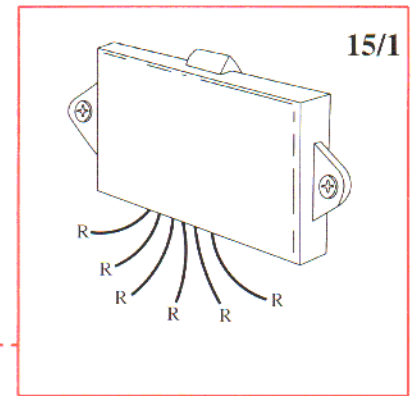
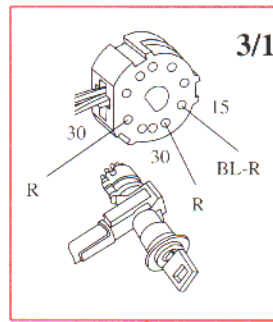
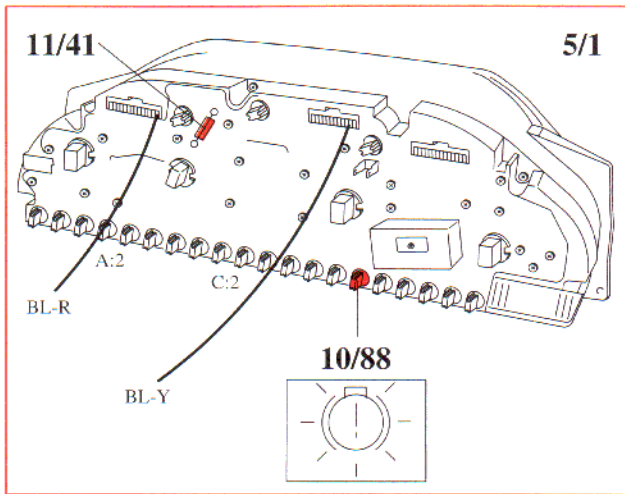


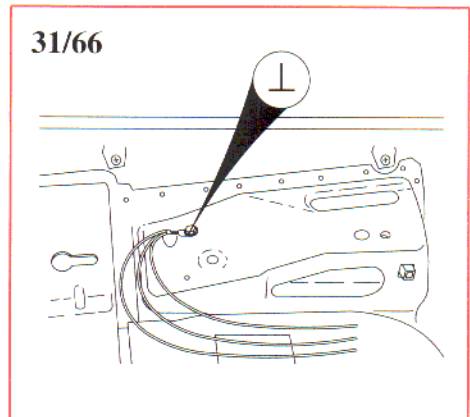
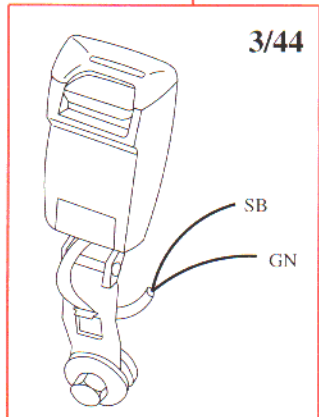
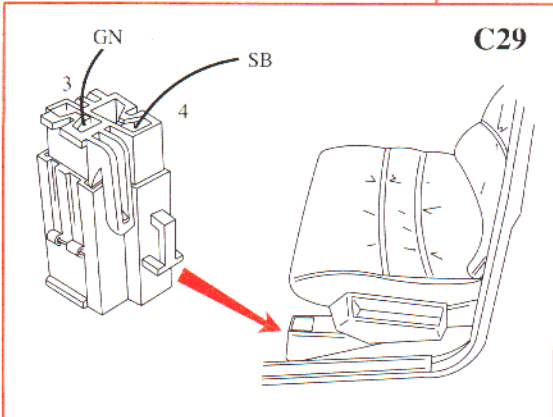
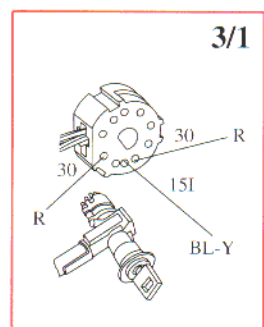
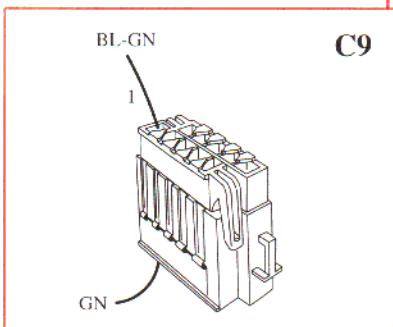
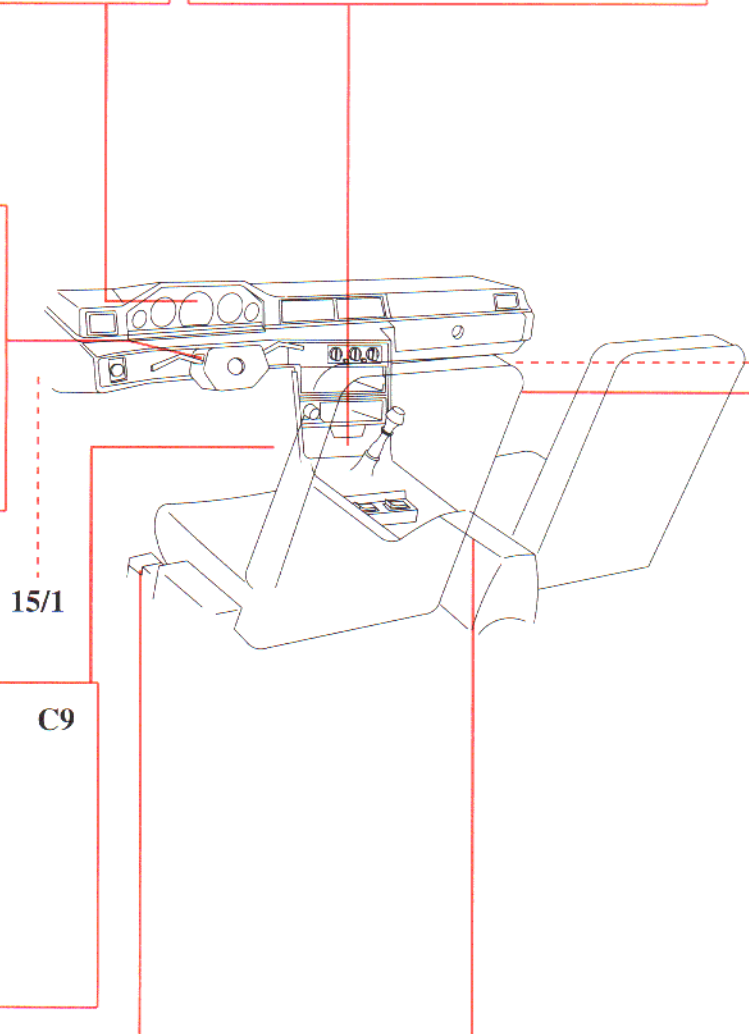
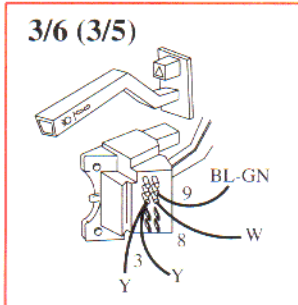
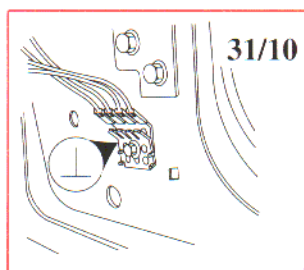
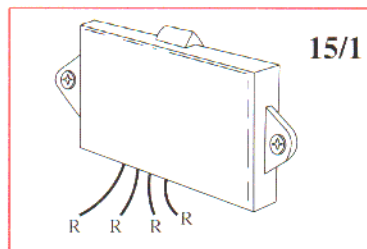
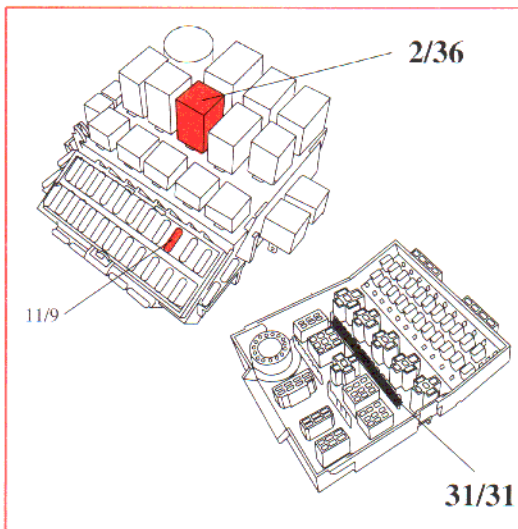
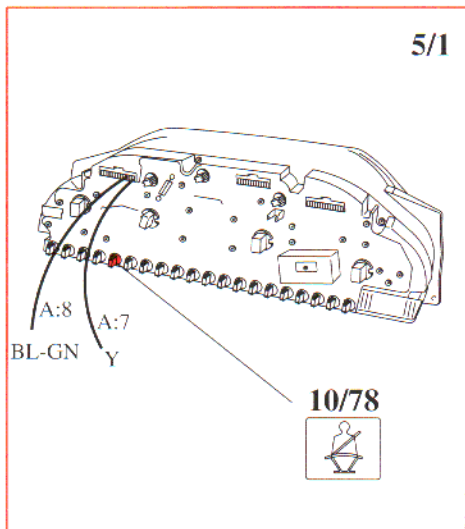


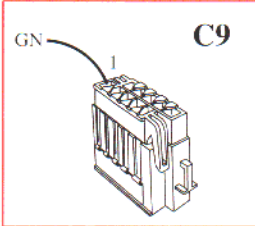
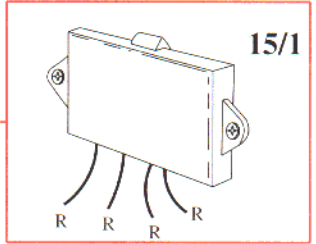
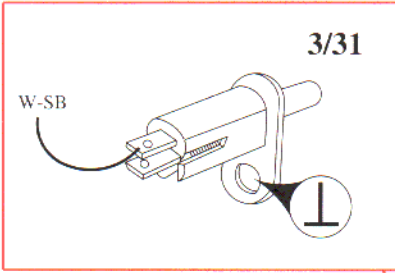
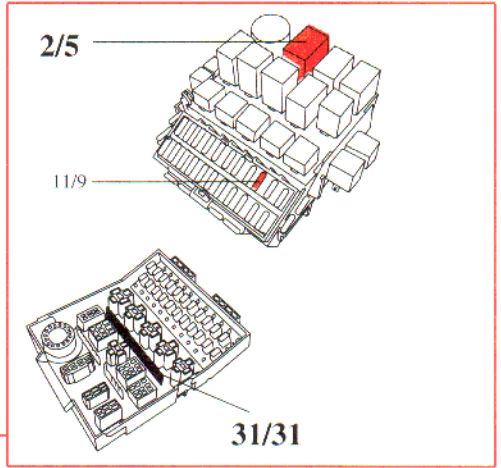
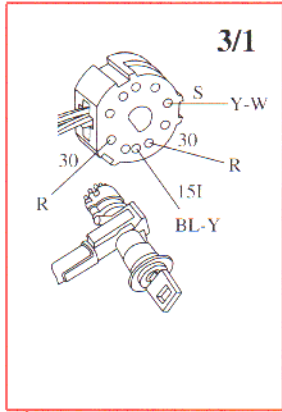
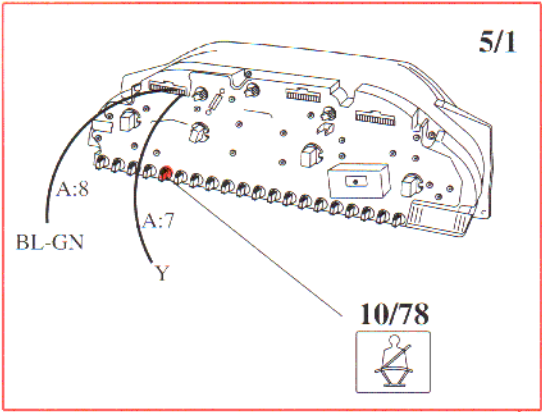


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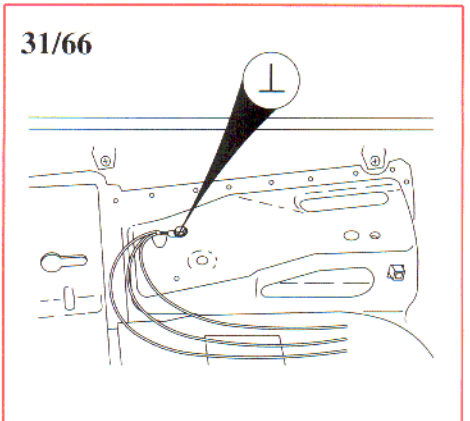
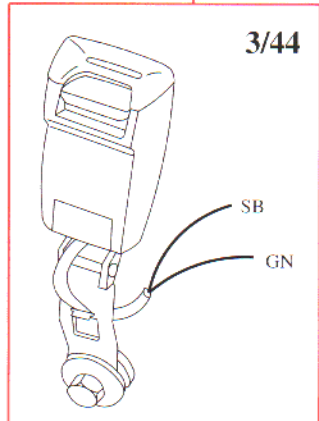
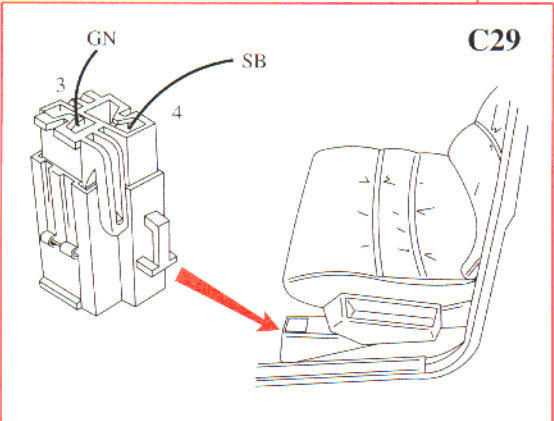
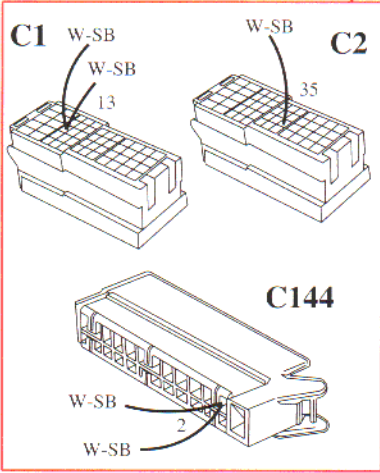
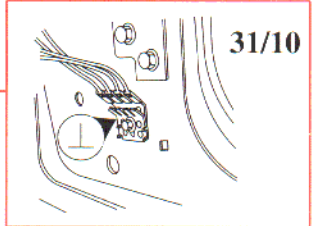
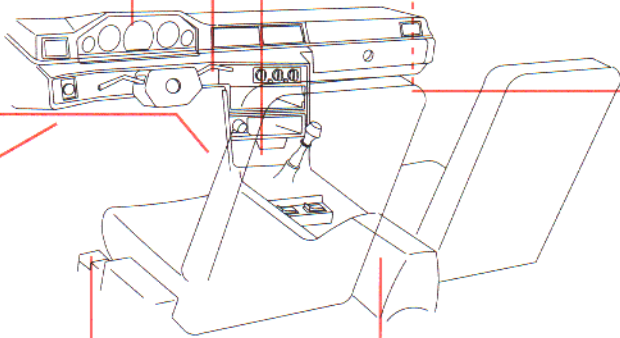




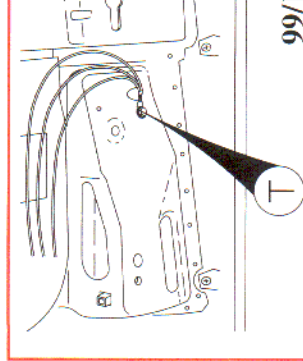
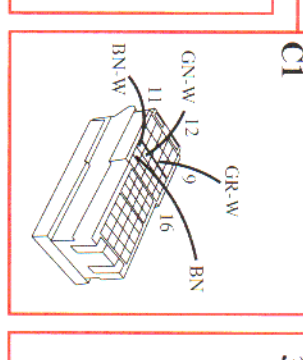
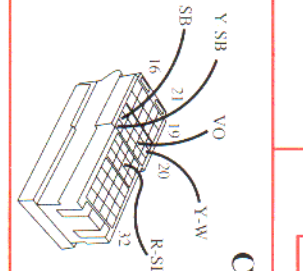
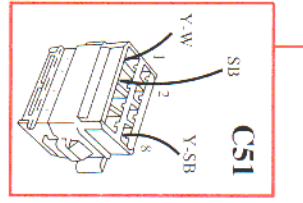
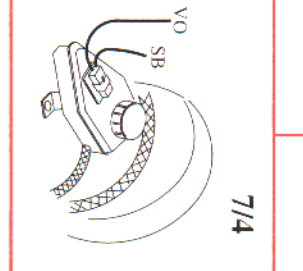
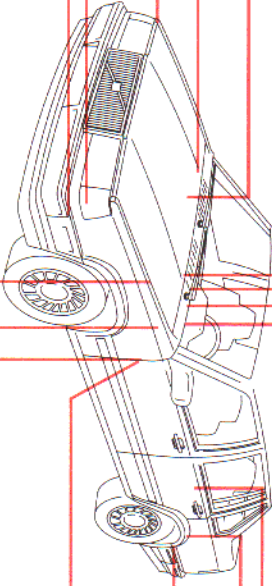
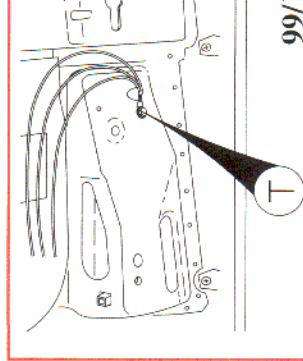
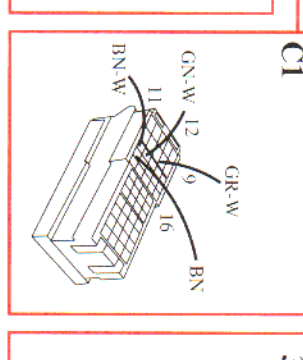
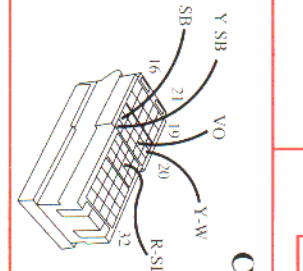
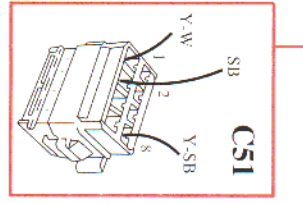
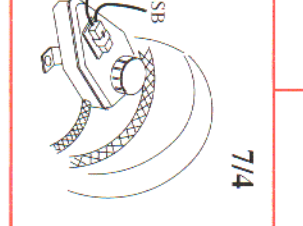
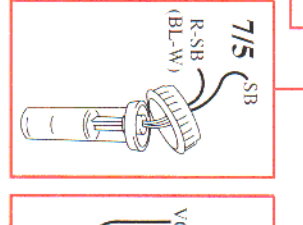
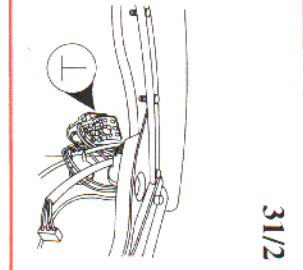
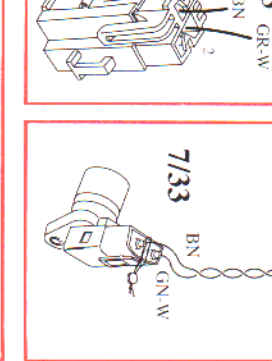
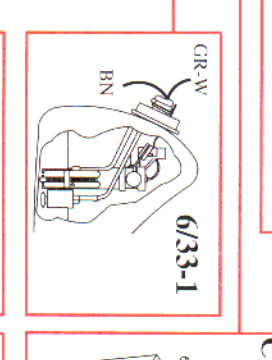
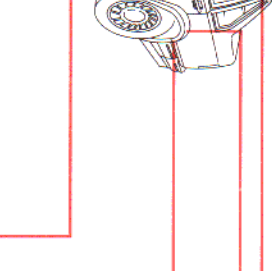
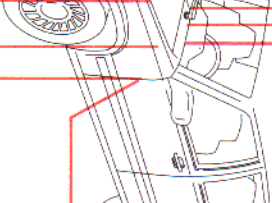
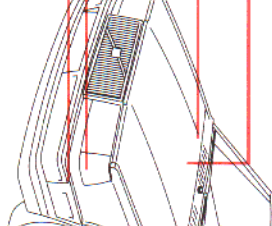
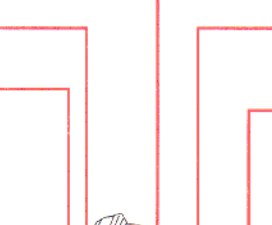
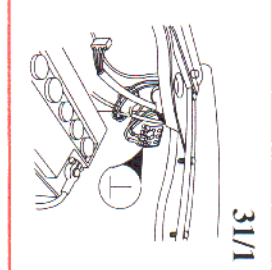
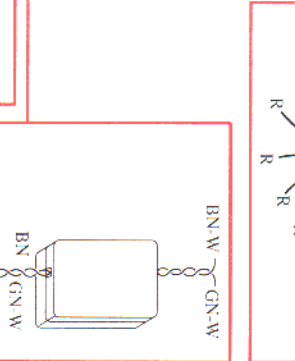
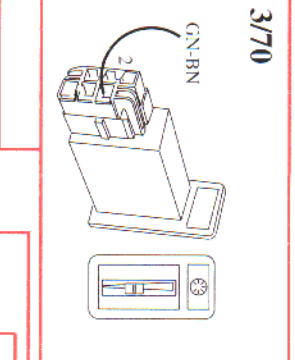
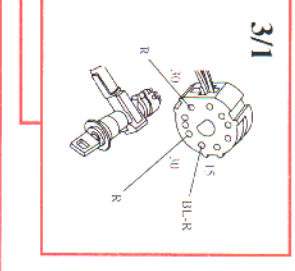
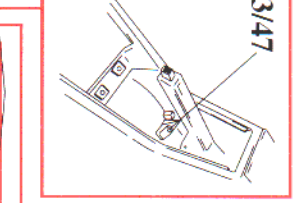
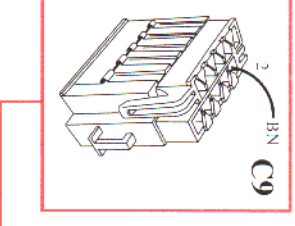
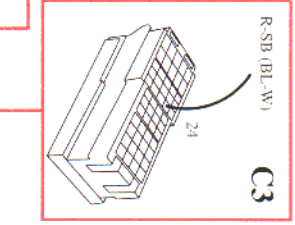
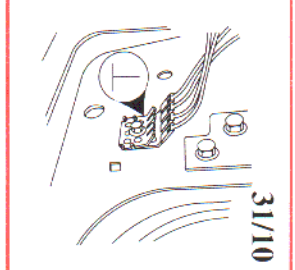
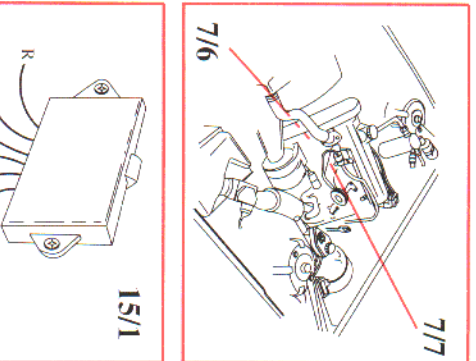
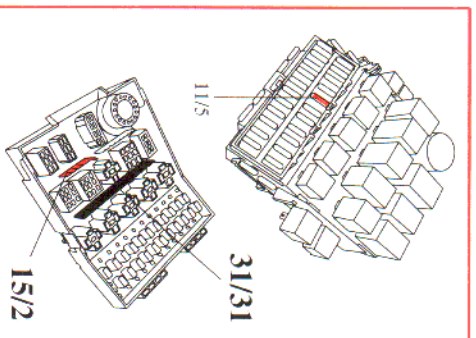
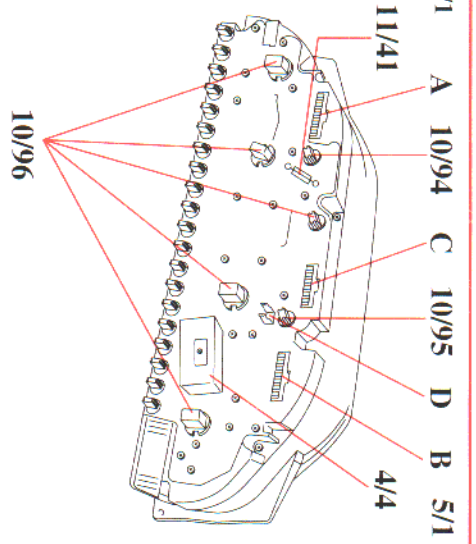
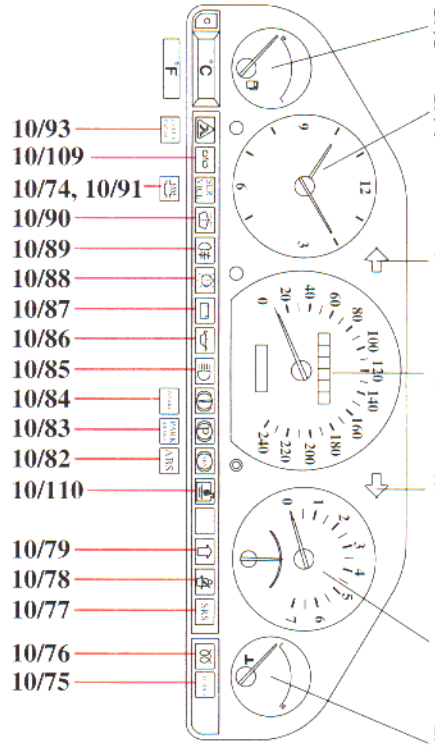




15/1



19/5 19/4 10/95 19/3 10/94 19/2 19/1 A 10/94 C 10/95 D B 5/1



Combined instrument

Combined instrument connectors

A Connector, 14-pin

- 1 Turn indicator, right (+)
- 2 Power supply +15
- 3 Vehicle Speed Sensor VSS (-)
- 4 Ground point reference (31/66)
- 5 Vehicle Speed Sensor VSS (-)
- 6 Overdrive relay
- 7 Seat belt reminder
- 8 Seat belt reminder
- 9 Glow plug relay
- 10 Pressure switch, Turbo diesels
- 11 SRS sensor module
- 12 Engine temperature sensor
- 13 Ignition coil, outlet 1 or generator outlet W
- 14 Engine temperature sensor (+)

B Connector, 14-pin

- 1 Control module, fuel system, control module ignition system
- 2 Fuel level sensor
- 3 Fuel level sensor
- 4 Power supply +30
- 5 Ground connection rail(31/31)
- 6 Trailer (+)
- 7 Relay, exhaust temperature sensor
- 8 Rheostat adjustment
- 9 Spare
- 10 Washer fluid level sensor
- 11 Spare
- 12 Instruments and controls lighting (-)
- 13 Instruments and controls lighting (-)
- 14 Left turn indicator (+)

C Connector, 12-pin

- 1 Fog light switch (+)
- 2 Bulb failure warning sensor (-)
- 3 Generator D+
- 4 Oil pressure sensor (-)
- 5 High beam (+)
- 6 Brake fluid level sensor (-)
- 7 Parking brake switch (-)
- 8 ABS
- 9 Spare
- 10 Spare
- 11 Digital outlet
- 12 Digital outlet

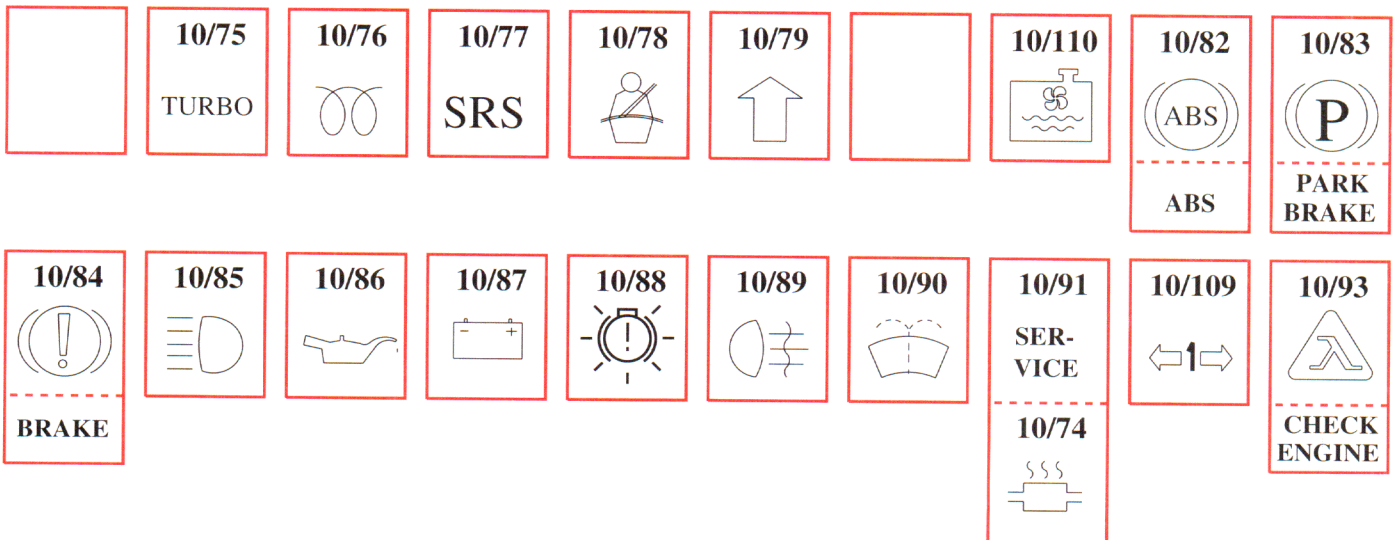
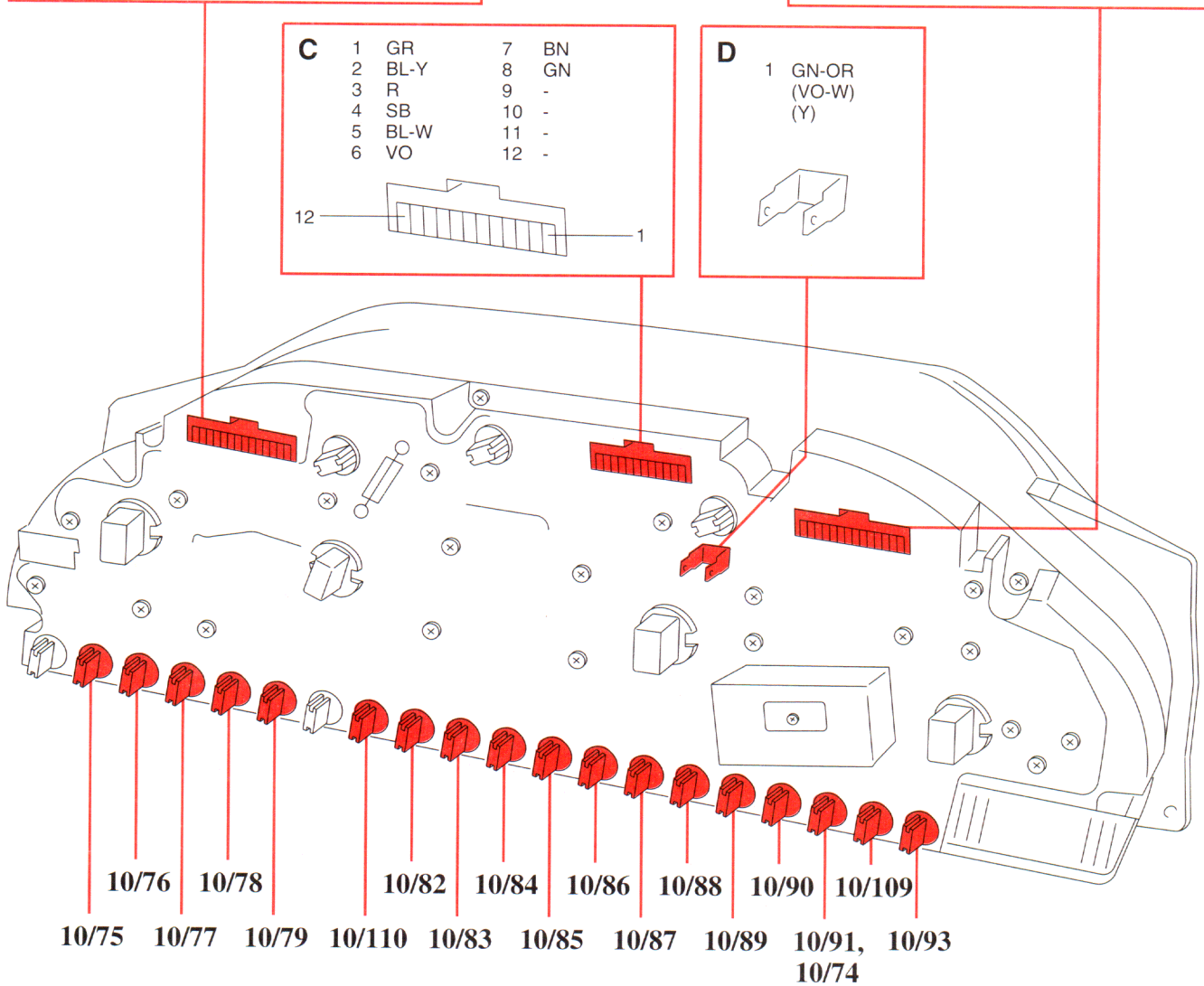
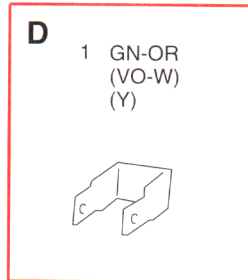
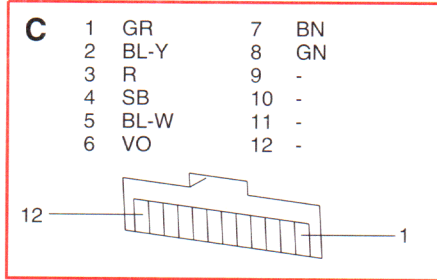
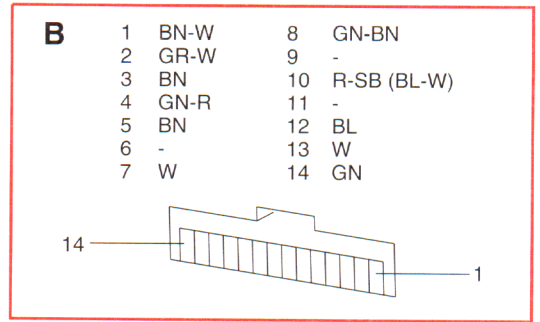
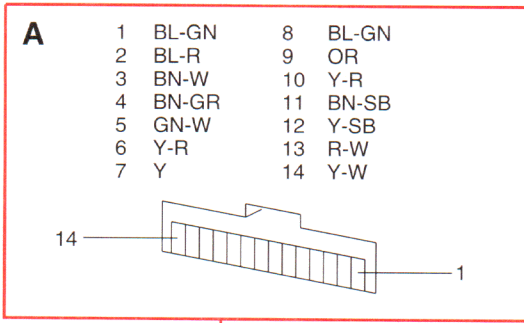
D Connector, 1-pin (double cable terminal)

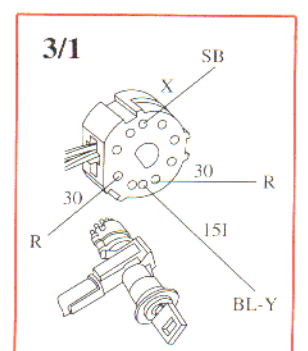
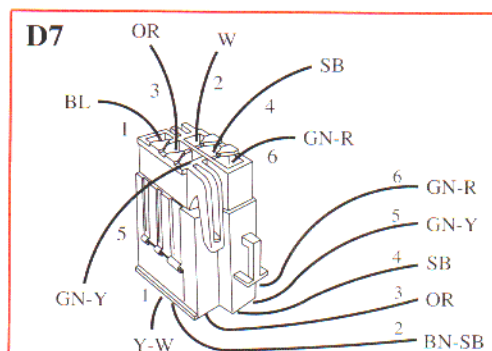
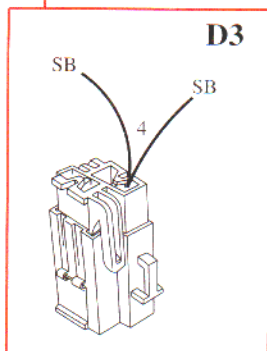
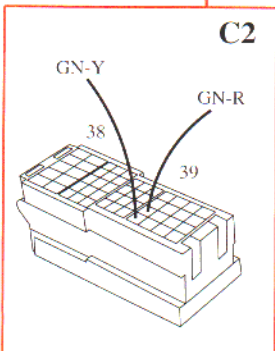
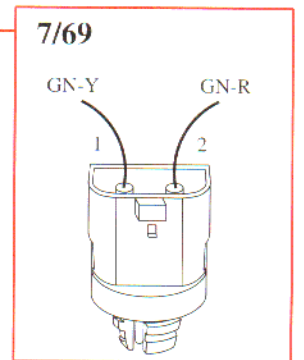
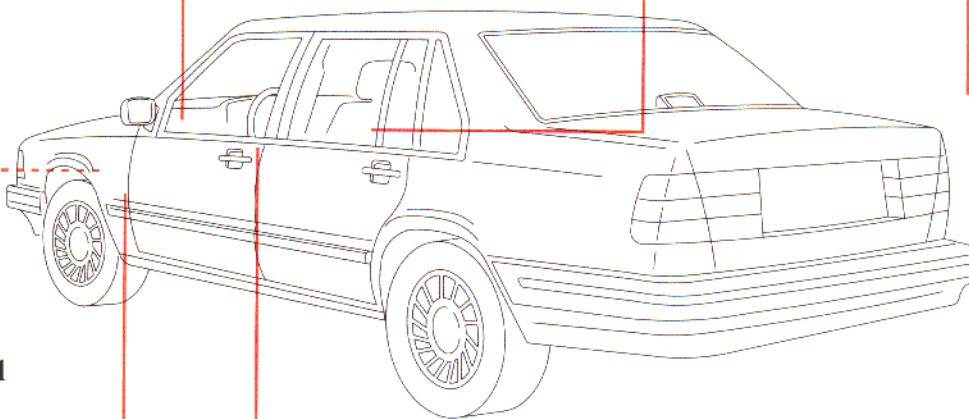
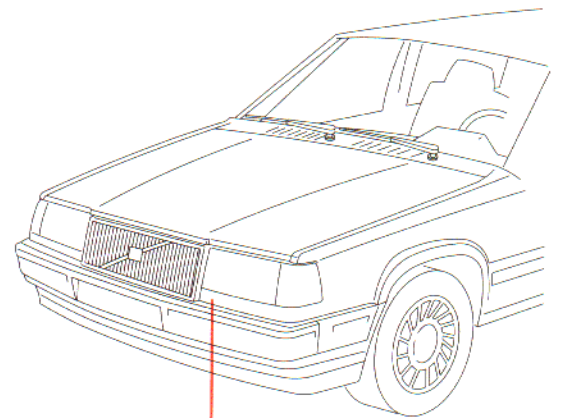
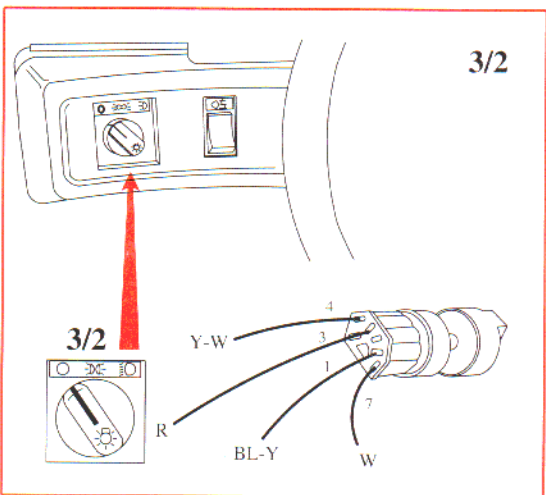
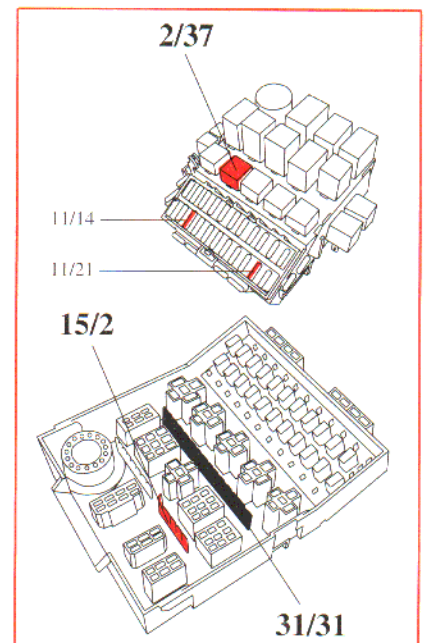
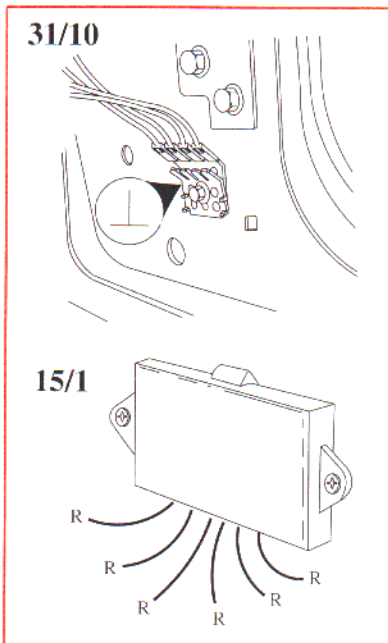
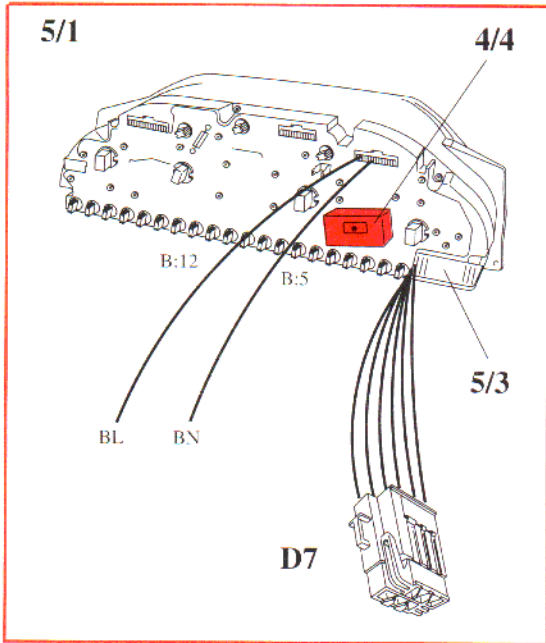
- Digital outlet, cruise control
- Control module, ECC, Overdrive relay (aut.)/
- Control module, fuel system

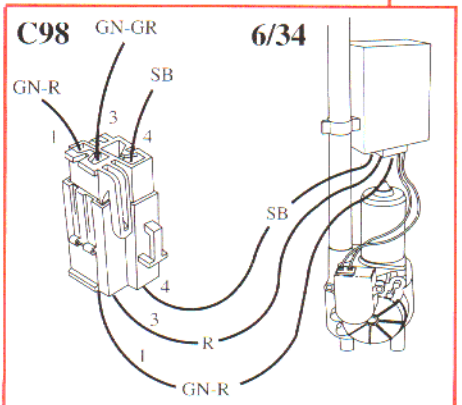
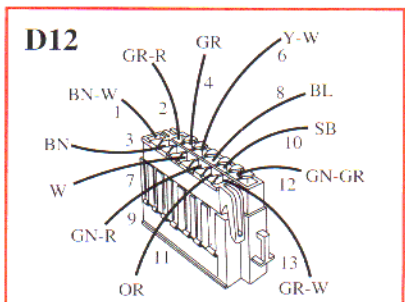
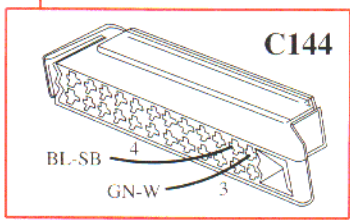
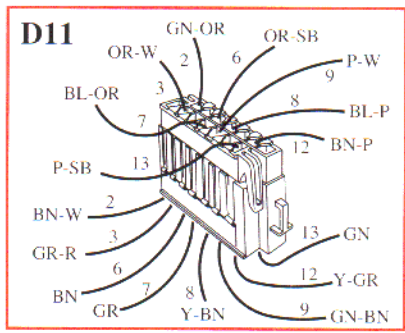
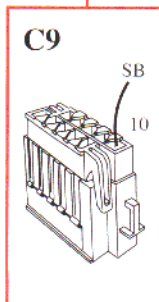
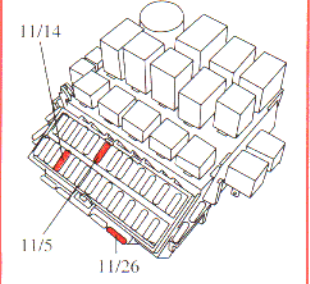
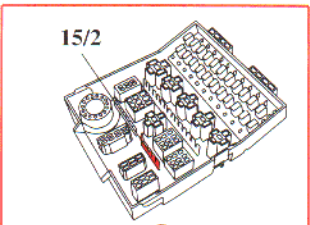
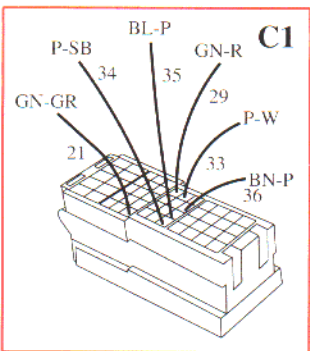
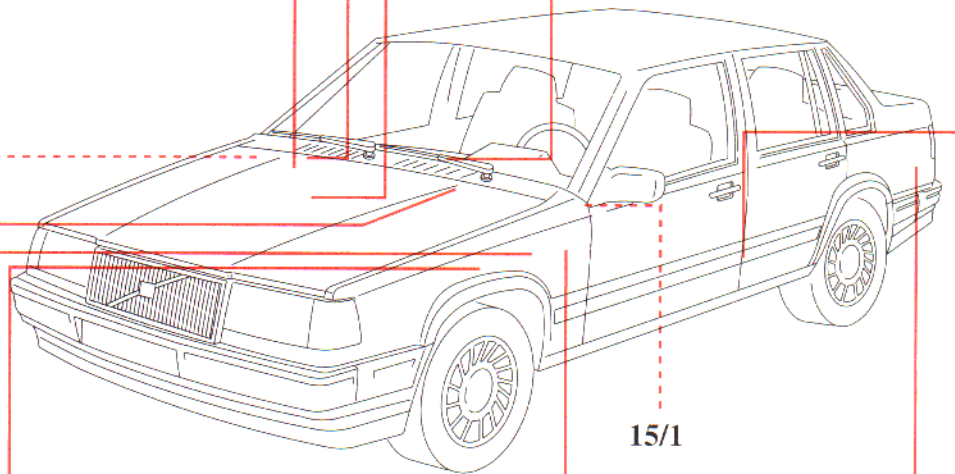
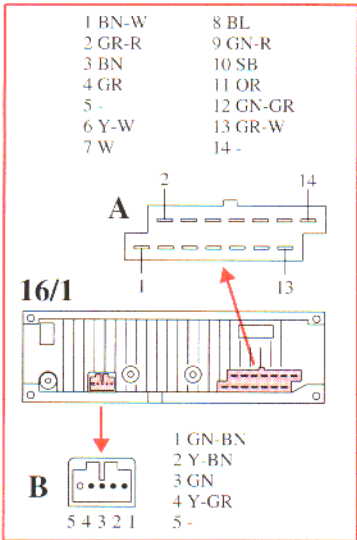
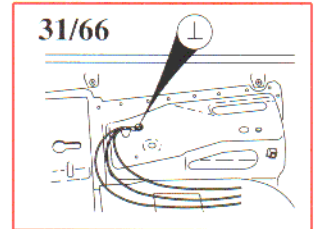
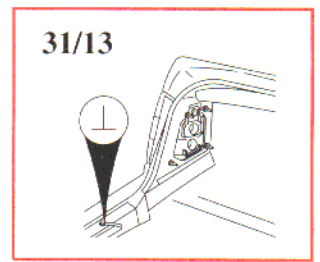
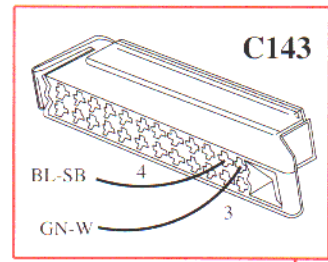
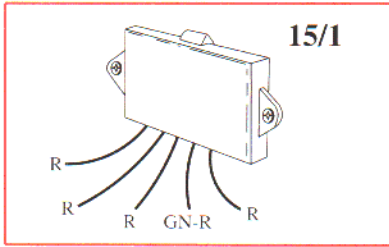
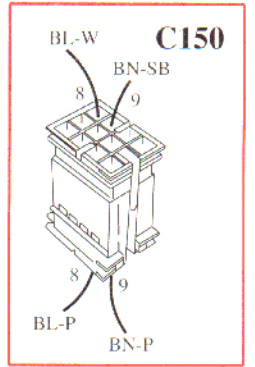
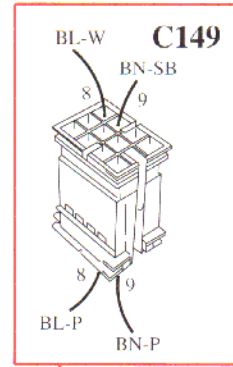
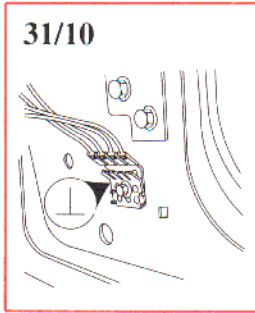
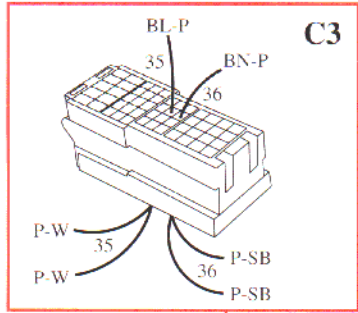
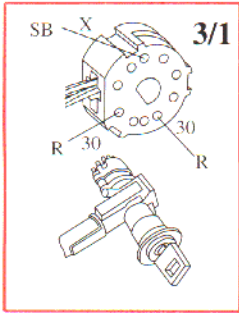
Instrument panel lamps

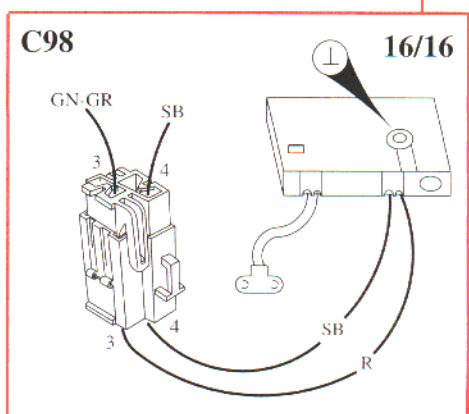
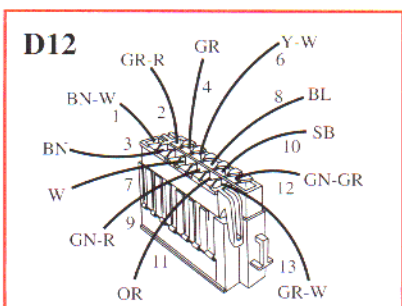
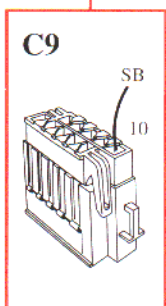
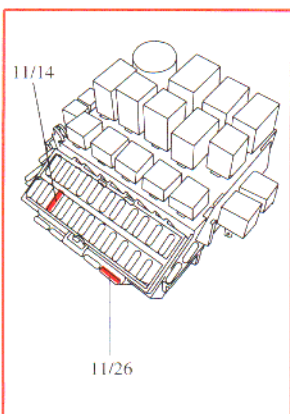
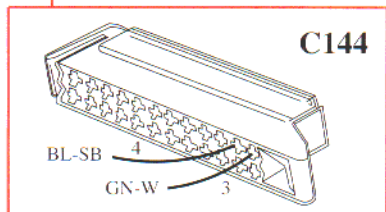
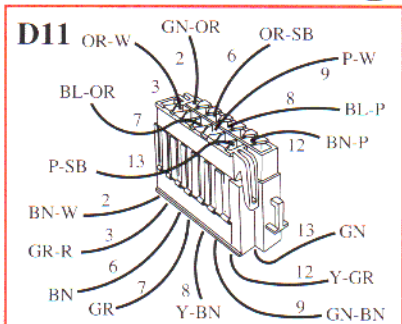
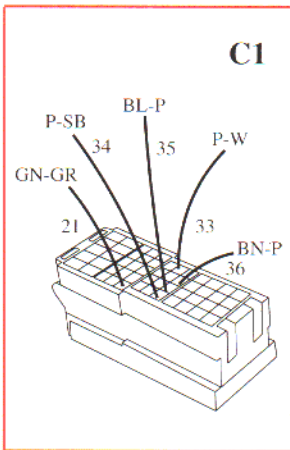
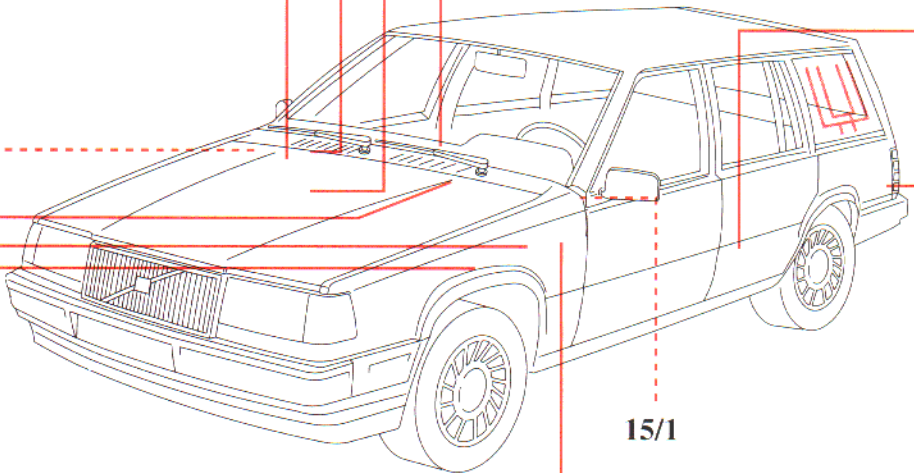
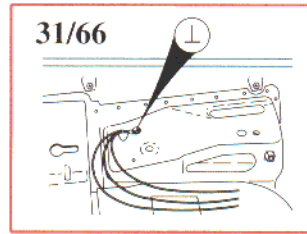
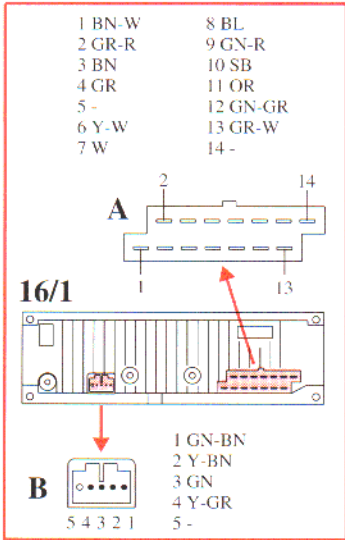
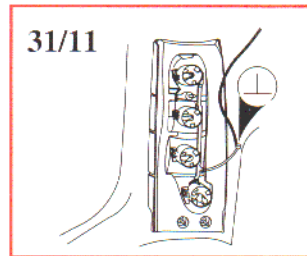
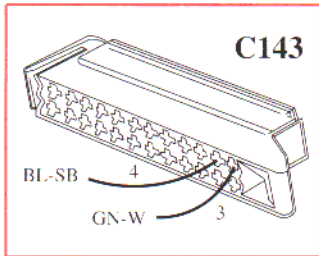
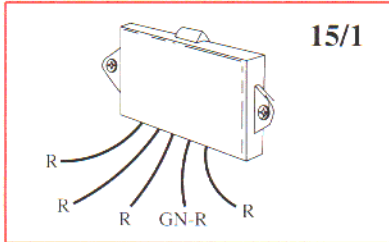
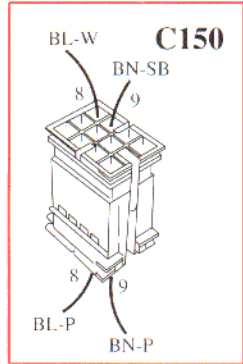
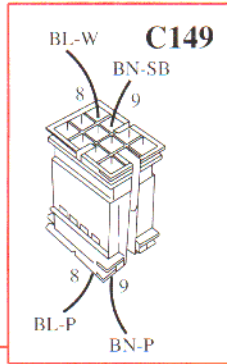
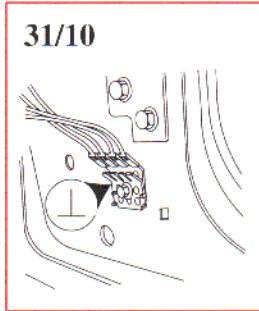
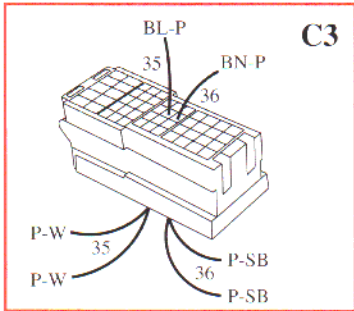
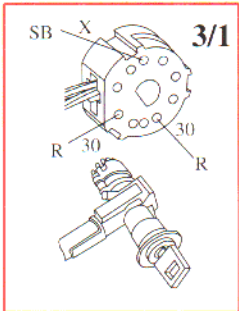
- 10/74 Warning lamp, exhaust gas temperature
- 10/75 Warning lamp, turbodiesel charge pressure
- 10/76 Warning lamp, diesel preheating
- 10/77 Warning lamp, SRS
- 10/78 Warning lamp, seat belts
- 10/79 Warning lamp, overdrive (aut.)/Gearshift indicator
- 10/82 Warning lamp, ABS
- 10/83 Warning lamp, parking brake
- 10/84 Warning lamp, brake warning
- 10/85 Warning lamp, high beam
- 10/86 Warning lamp, oil pressure

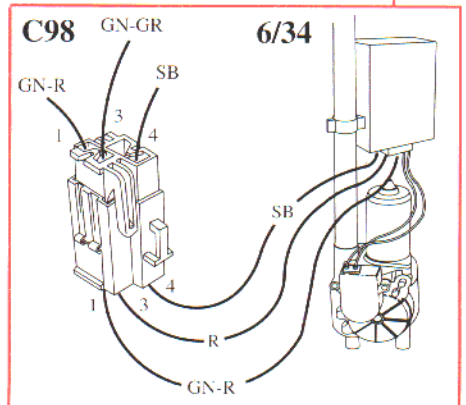
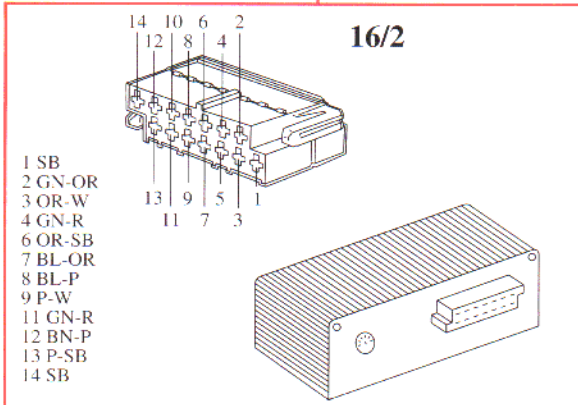
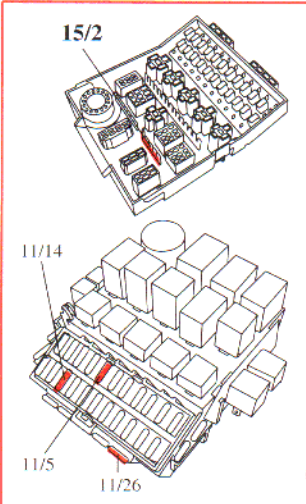
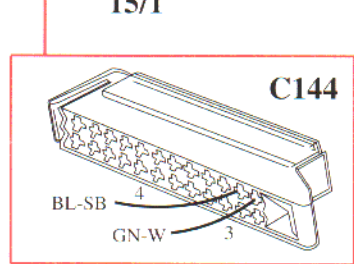
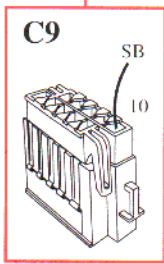
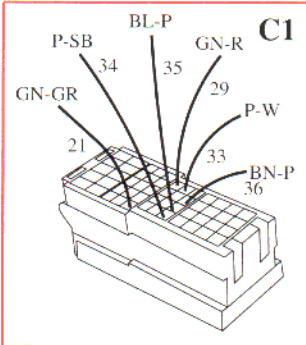
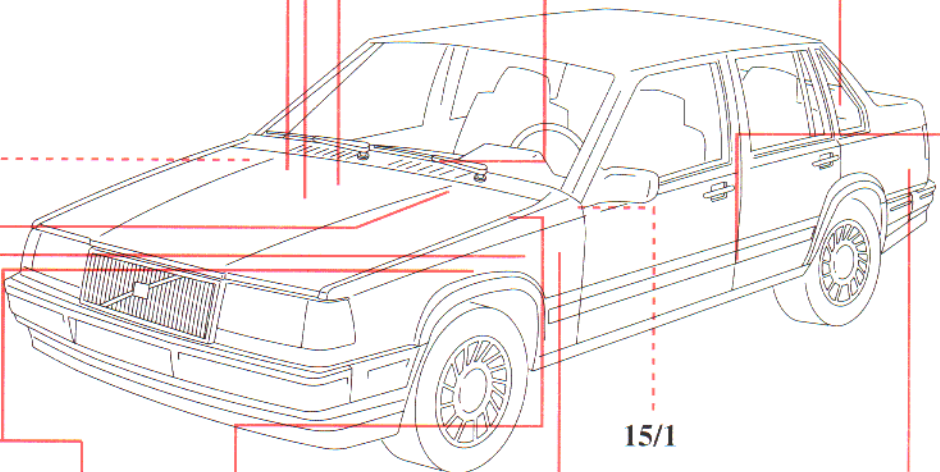
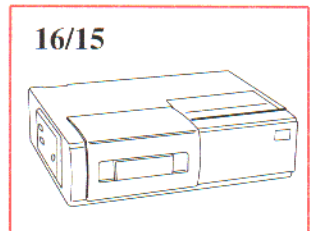
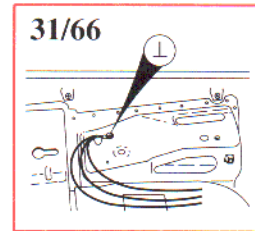
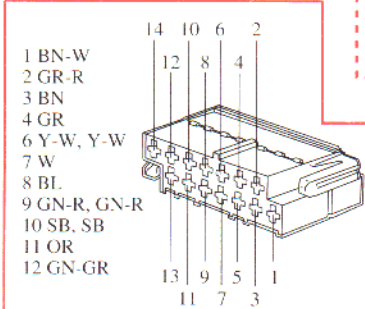
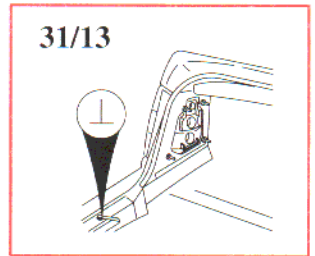
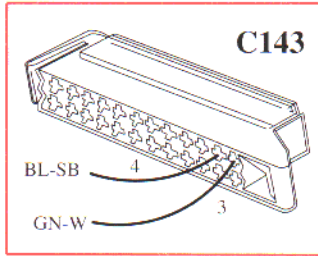
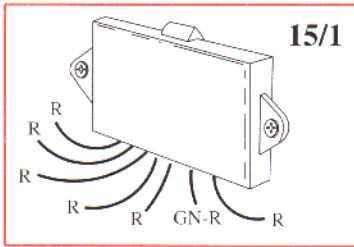
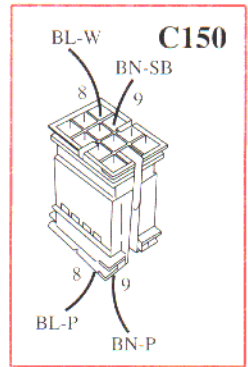
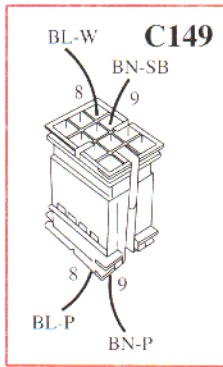
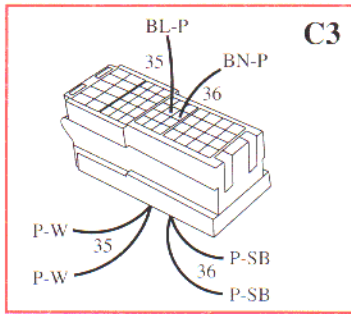
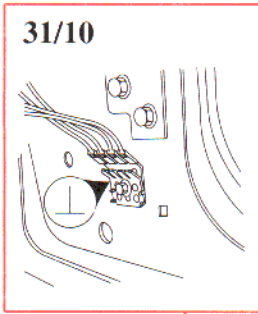
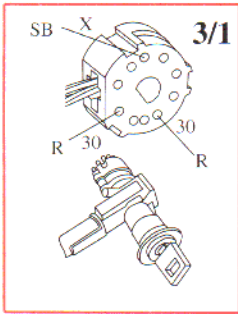
- 10/87 Warning lamp, charging
- 10/88 Warning lamp, bulb malfunction indicator
- 10/89 Warning lamp, rear foglights
- 10/90 Warning lamp, washer fluid level
- 10/91 Service indicator
- 10/93 Warning lamp,
Malfunction indicator lamp (MIL)
- 10/94 Warning lamp, right turn signal
- 10/95 Warning lamp, left turn signal
- 10/109 Trailer warning lamp
- 10/110 Engine temp. warning lamp (D24TIC)

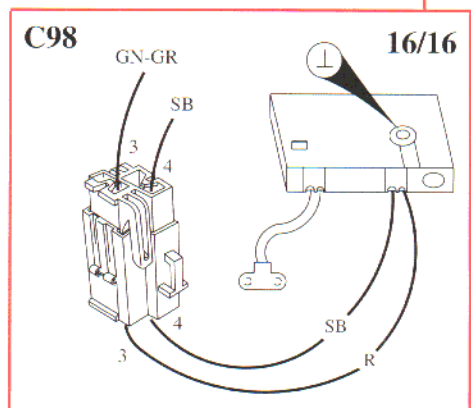
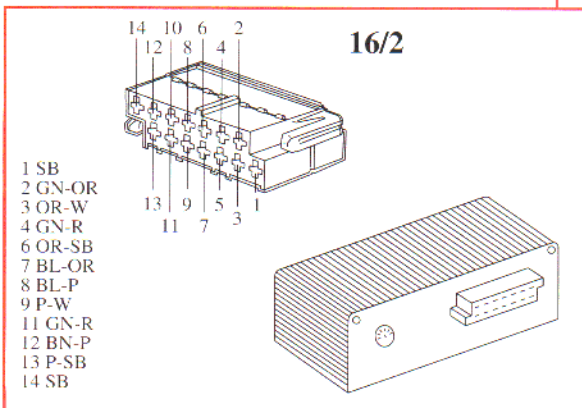
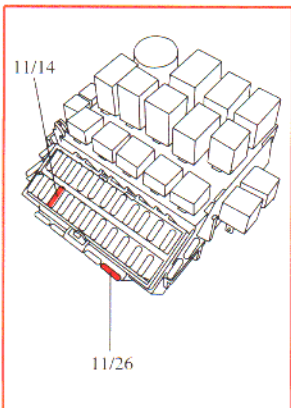
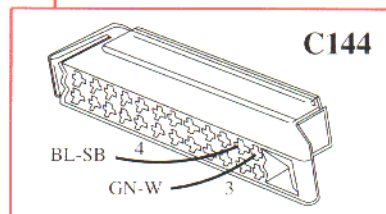
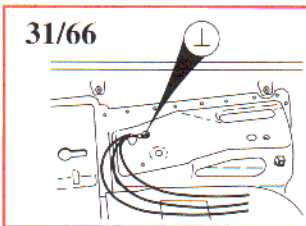
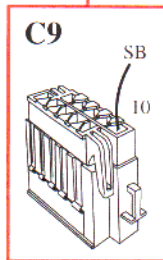
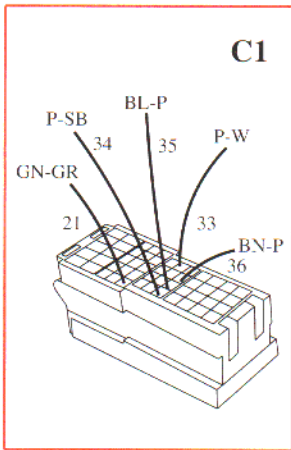
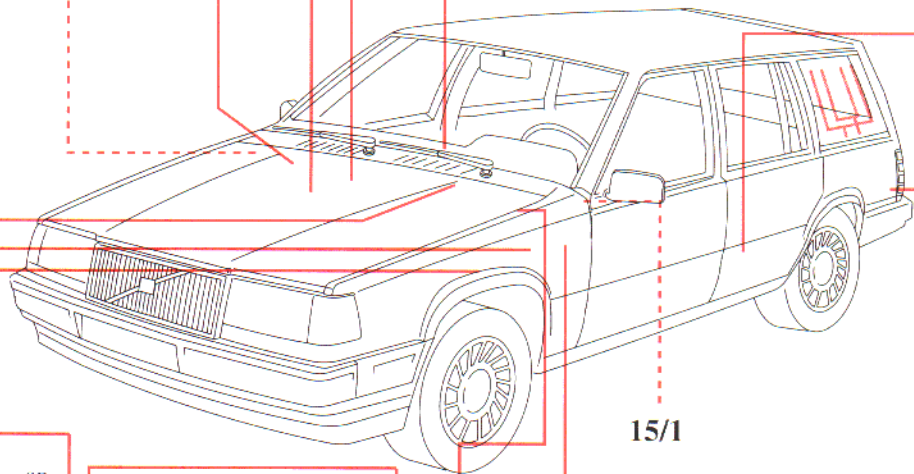
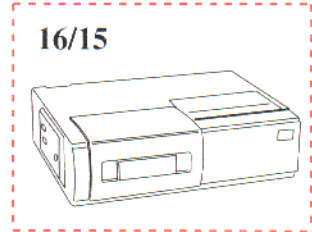
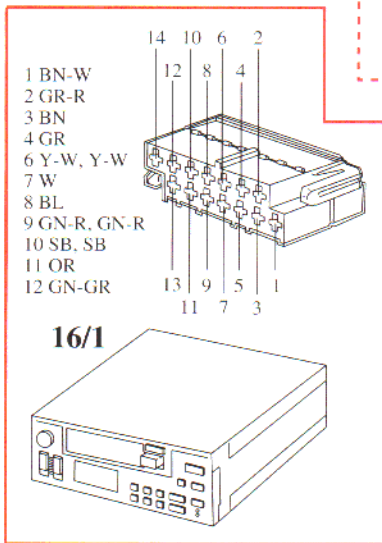
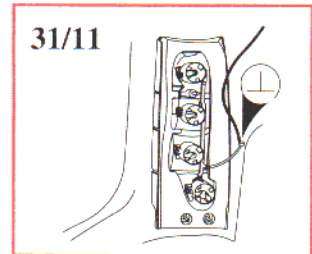
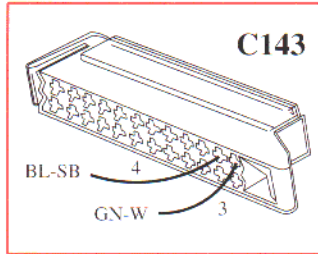
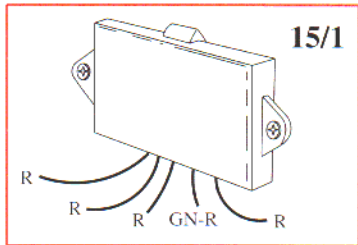
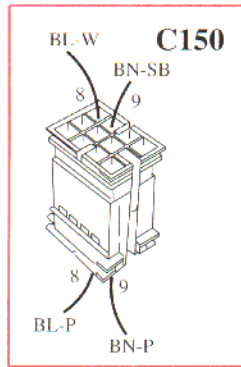
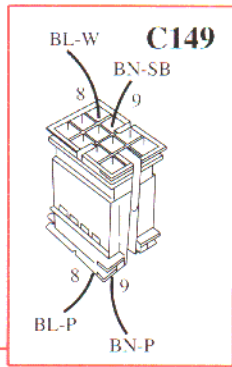
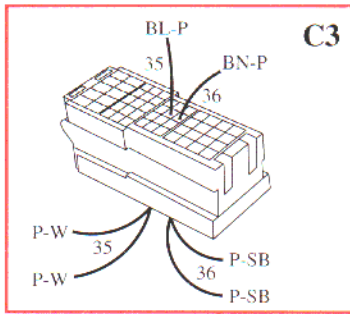
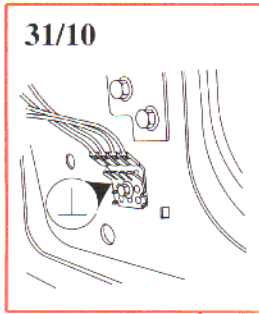
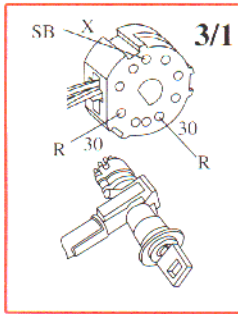


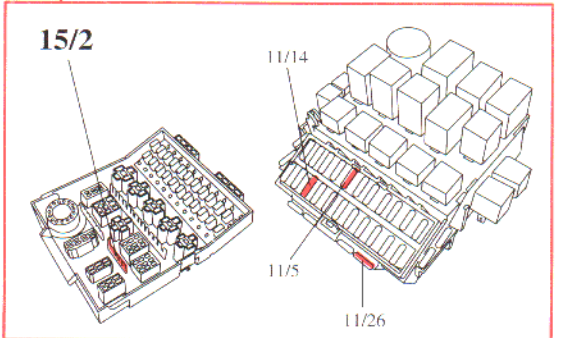
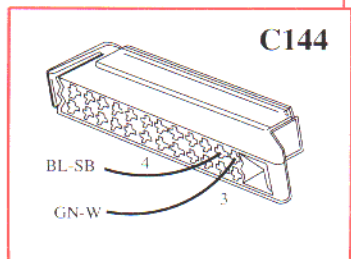
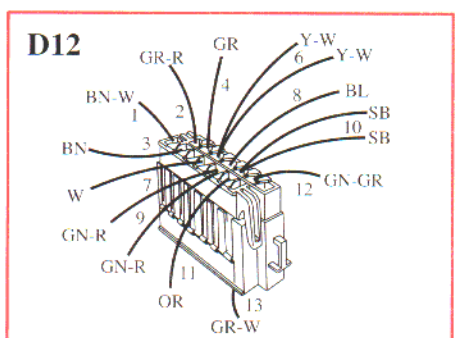
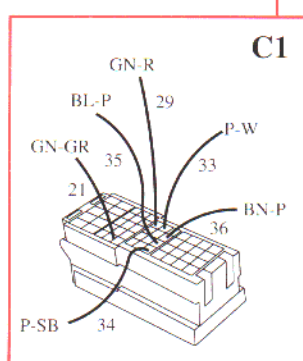
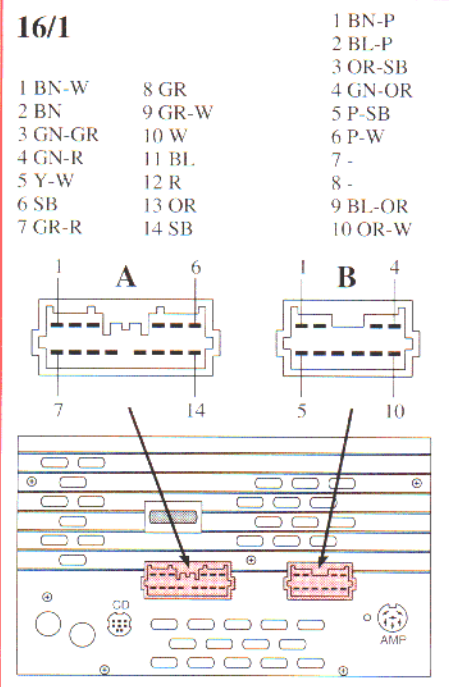
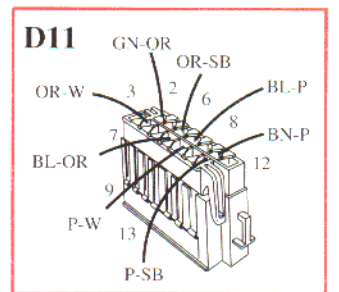
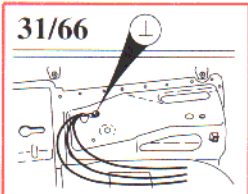
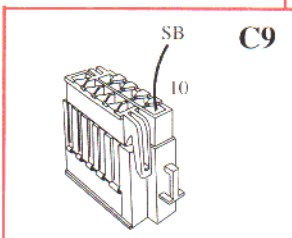
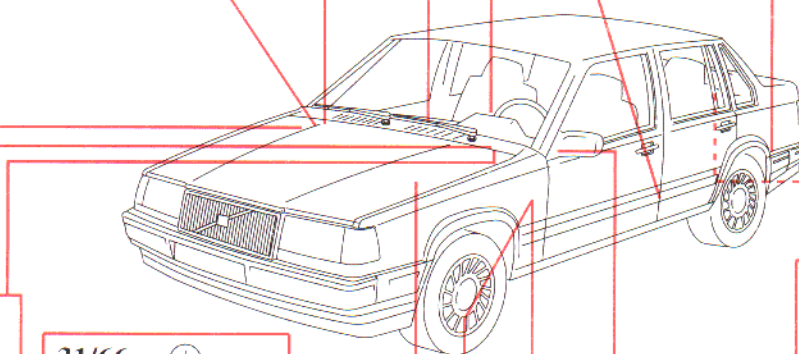
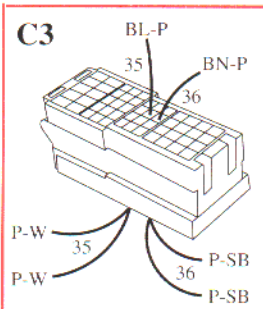
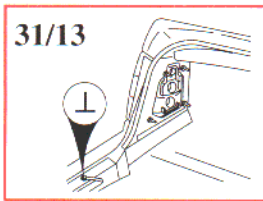
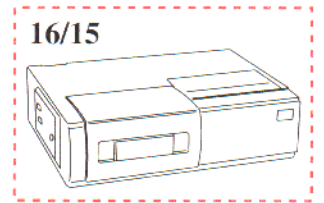
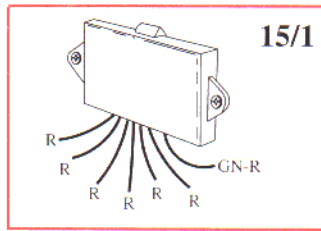
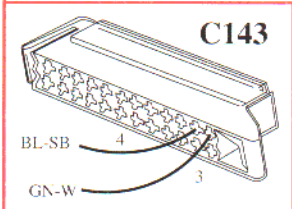
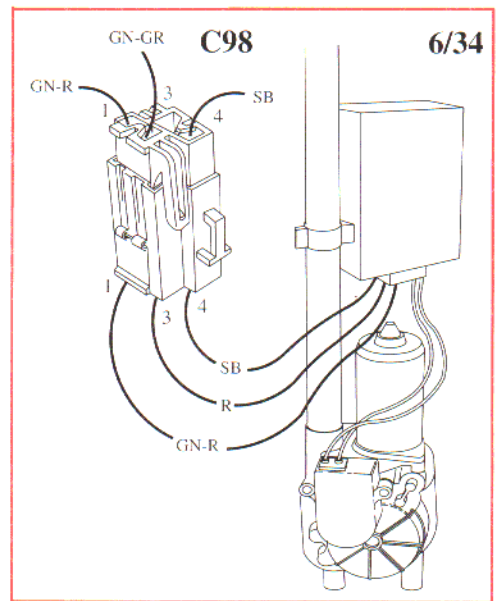
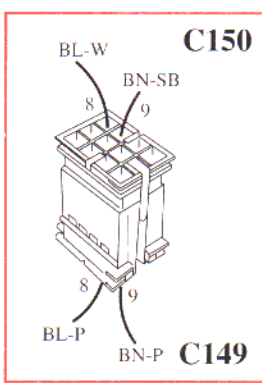
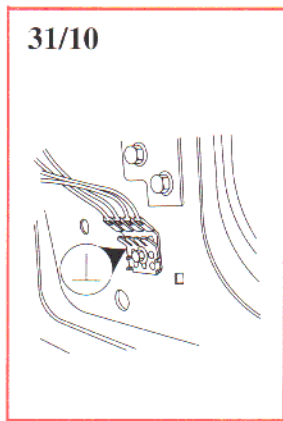
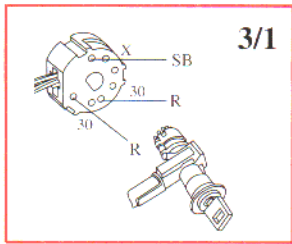


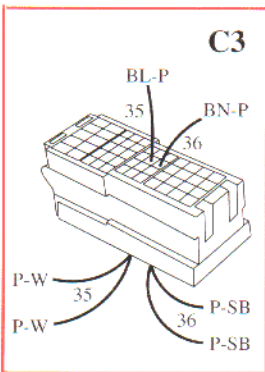
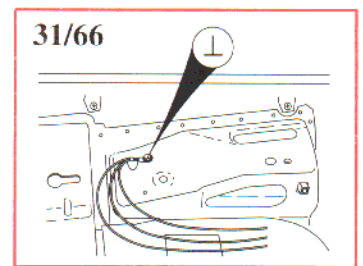
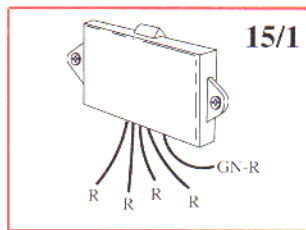
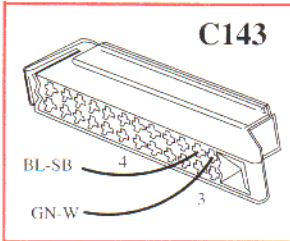
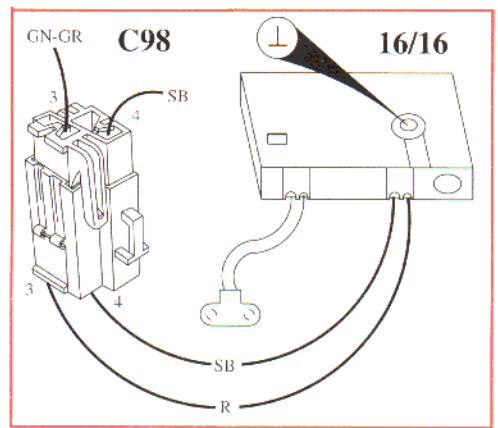
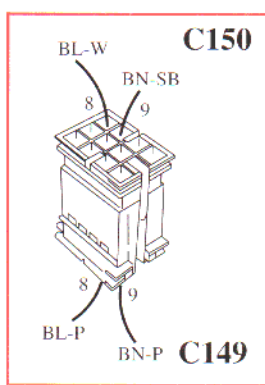
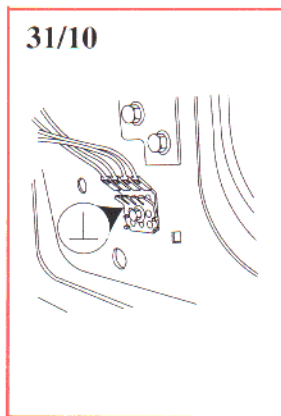
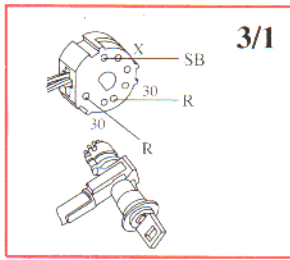




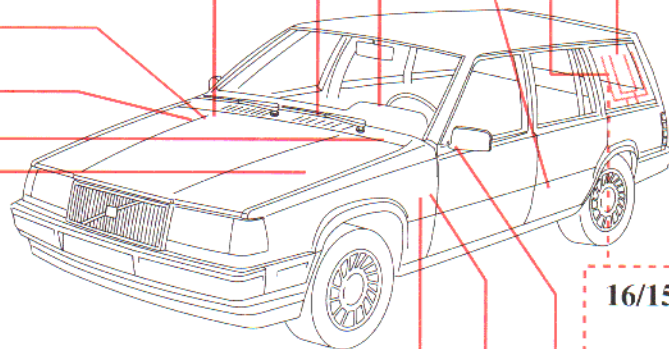
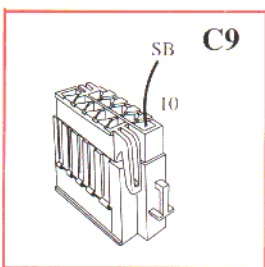
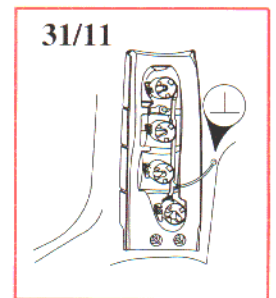




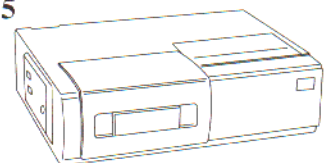




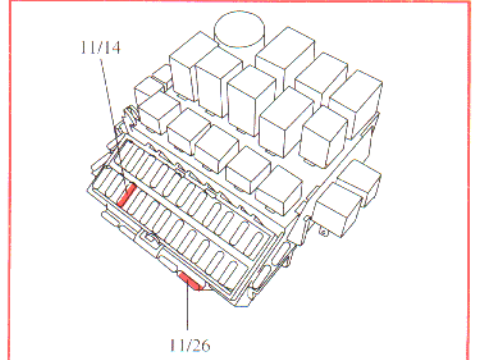
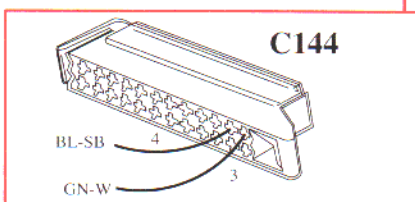
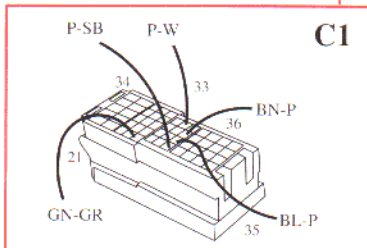
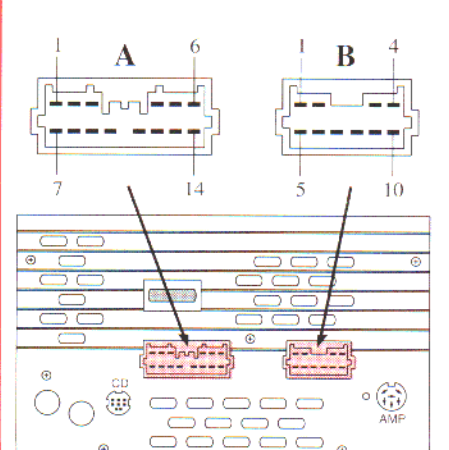
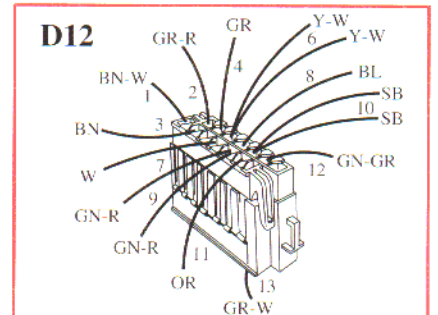
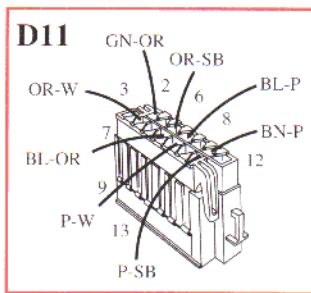
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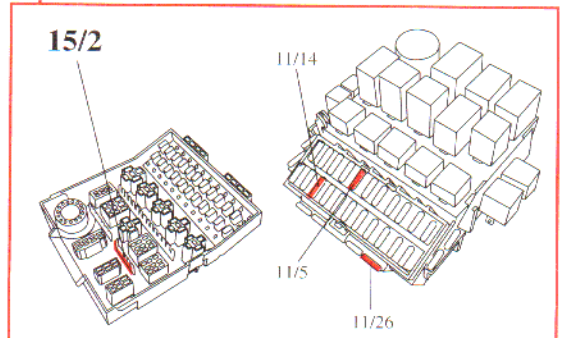
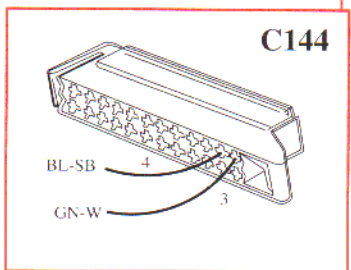
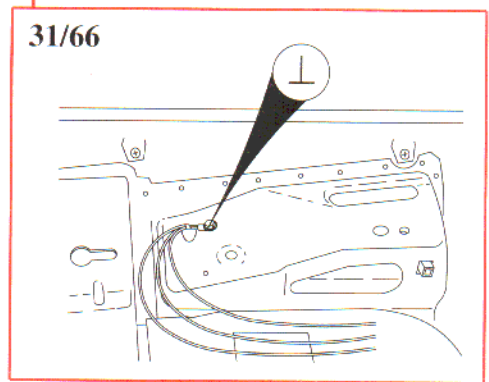
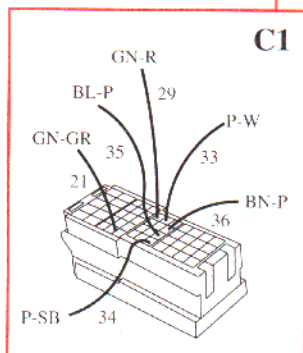
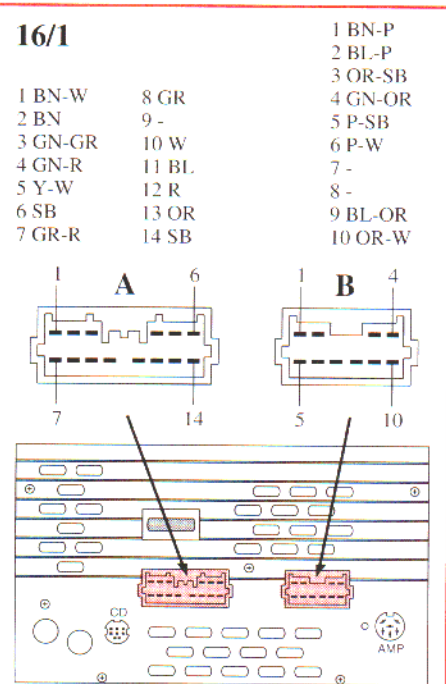
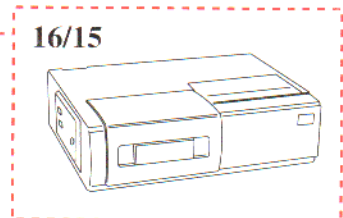
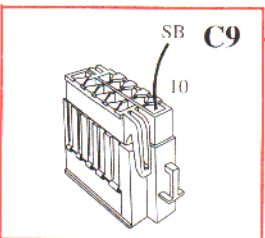
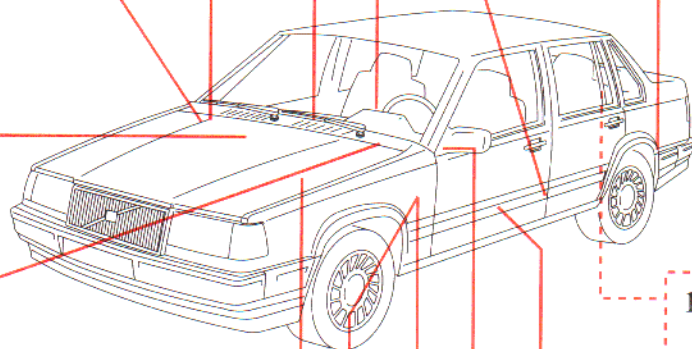
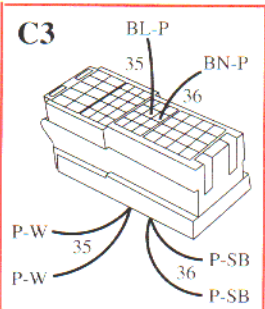
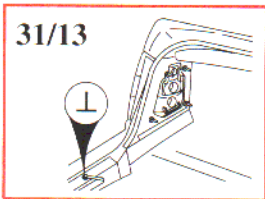
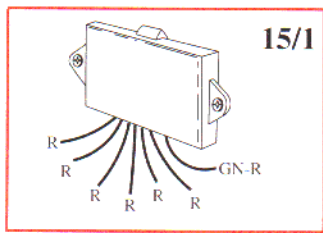
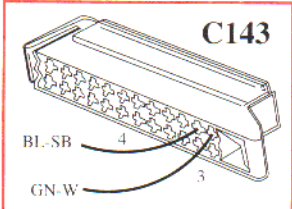
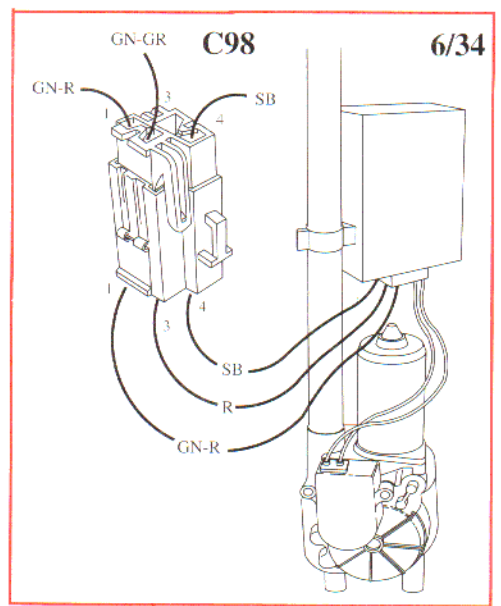
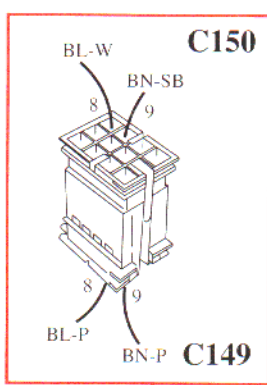
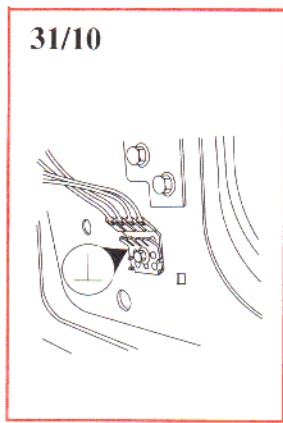
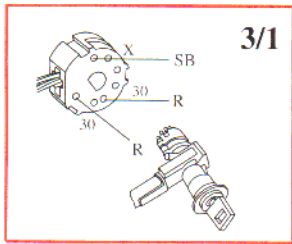


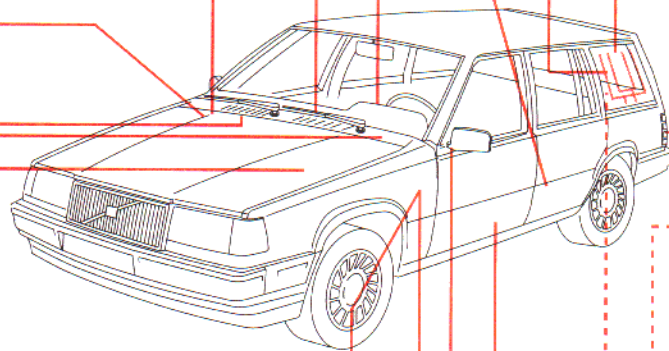
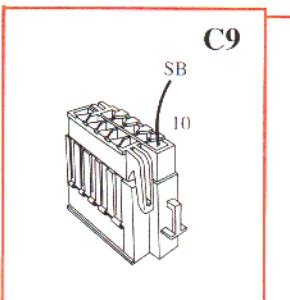
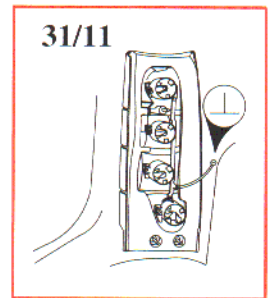
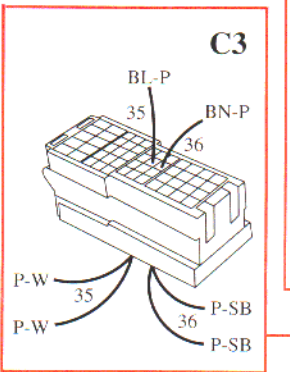
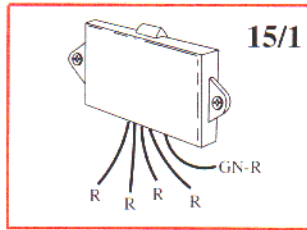
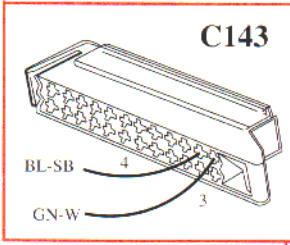
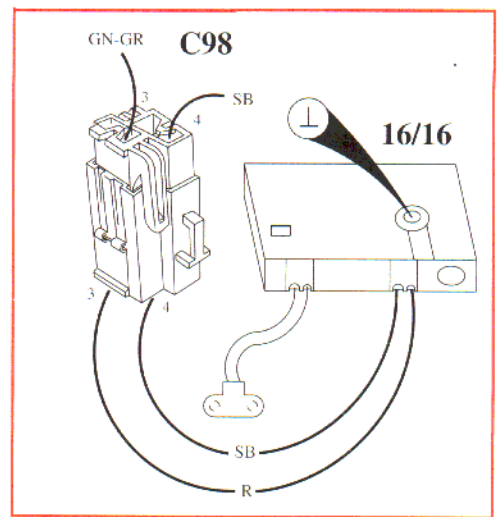
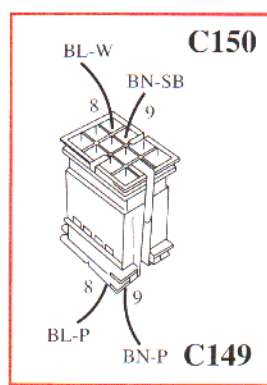
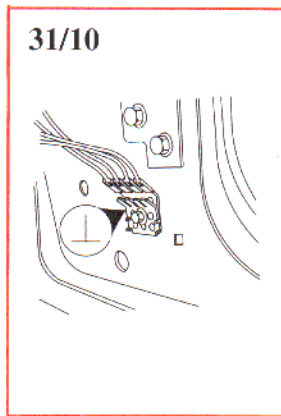
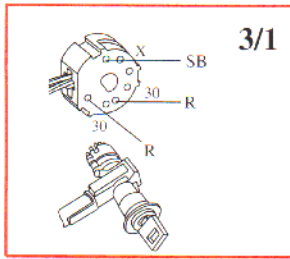
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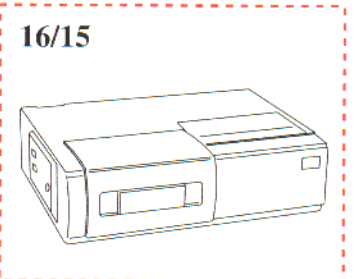
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- | | | |
|---------|--------|---------|
| 1 BN-W | 8 GR | 1 BN-P |
| 2 BN | 9 GR-W | 2 BL-P |
| 3 GN-GR | 10 W | 3 OR-SB |
| 4 GN-R | 11 BL | 4 GN-OR |
| 5 Y-W | 12 R | 5 P-SB |
| 6 SB | 13 OR | 6 P-W |
| 7 GR-R | 14 SB | 7 - |
| | | 8 - |
| | | 9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





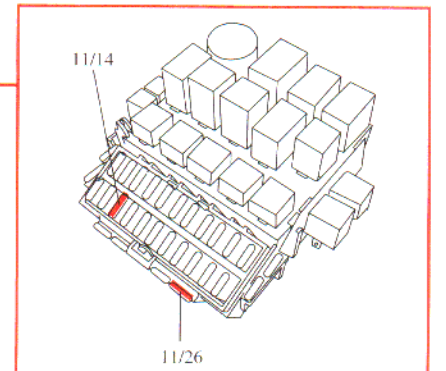
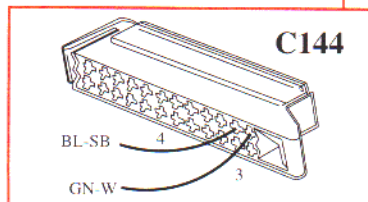
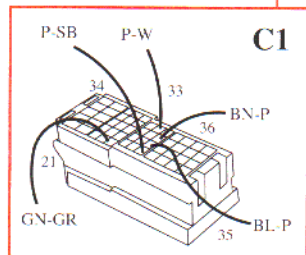
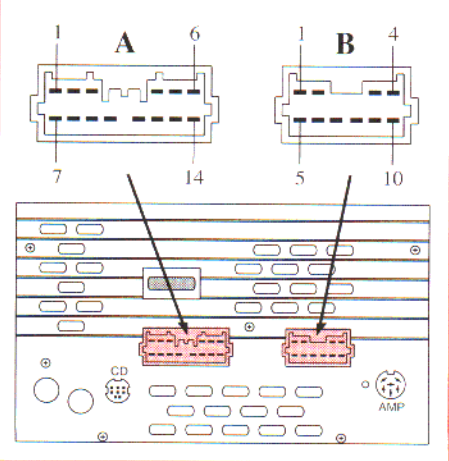
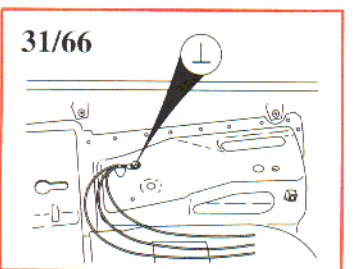


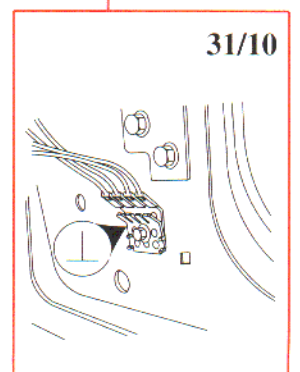
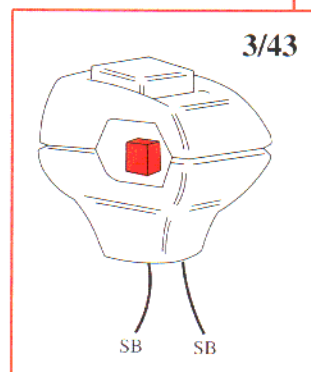
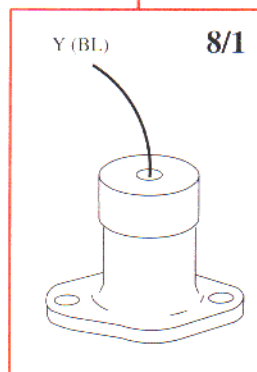
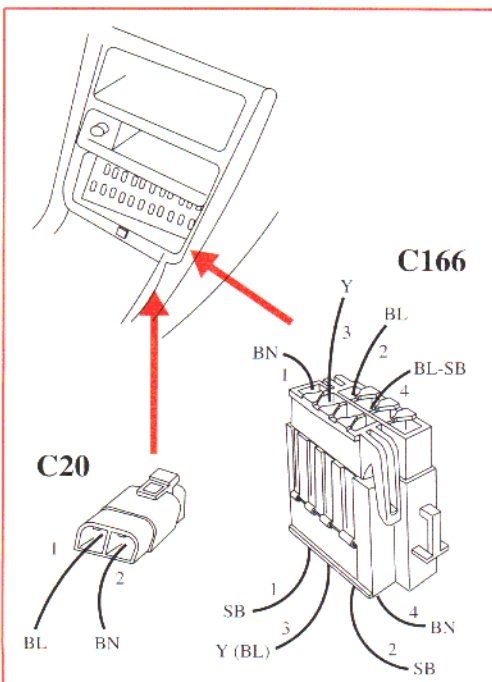
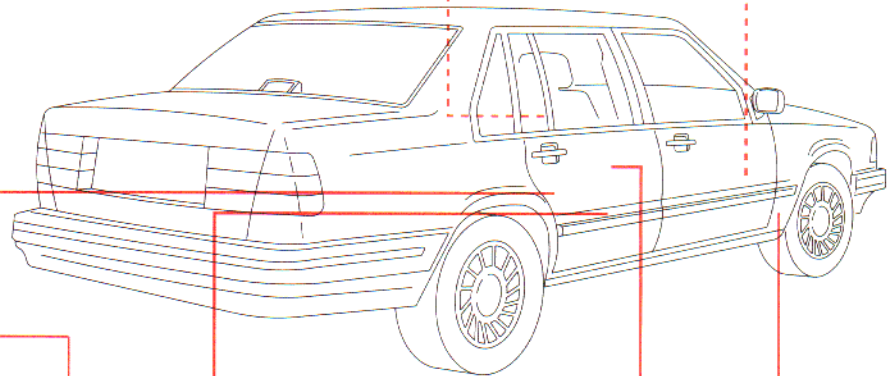
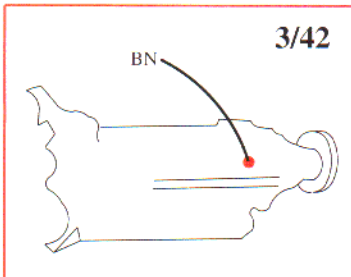
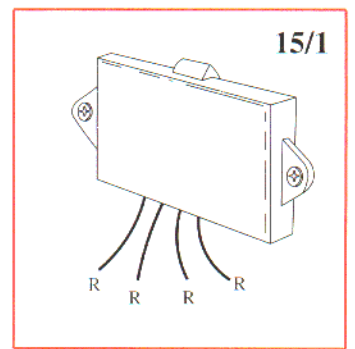
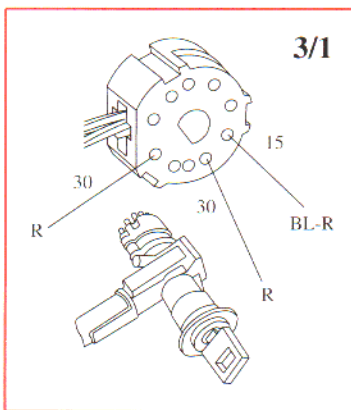
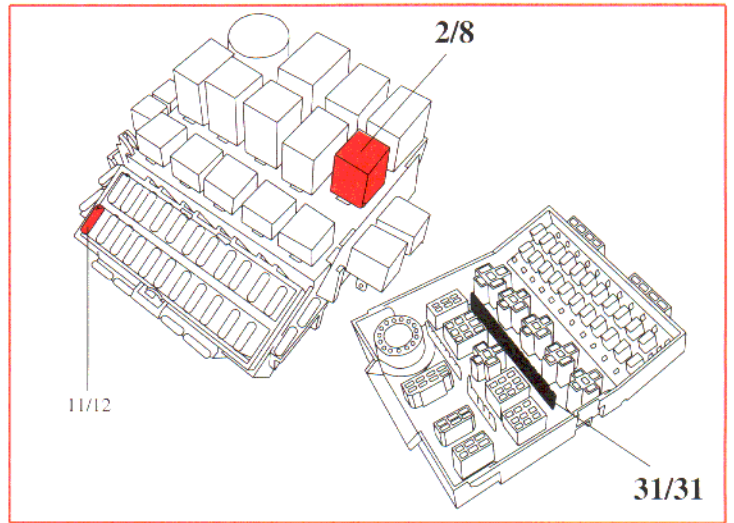
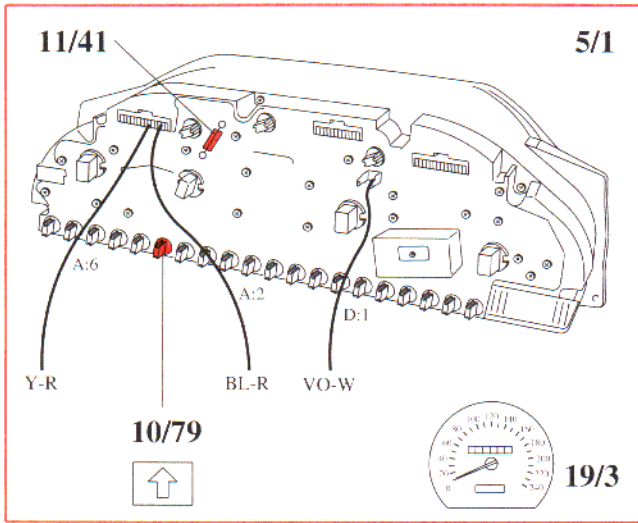
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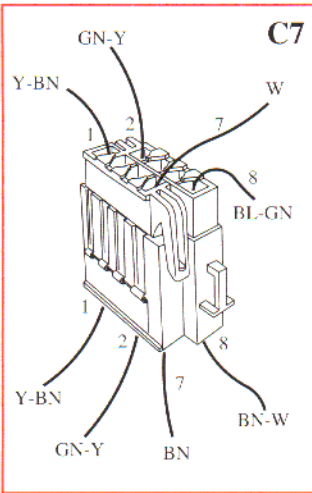
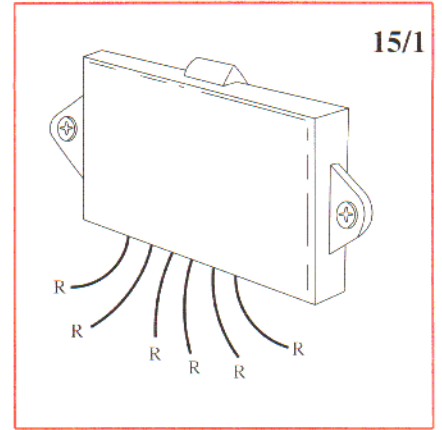
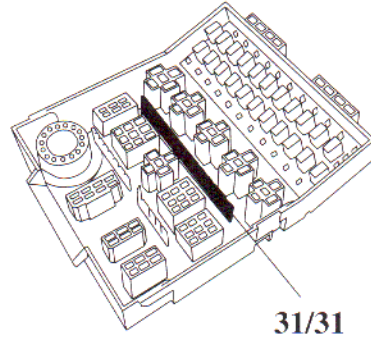
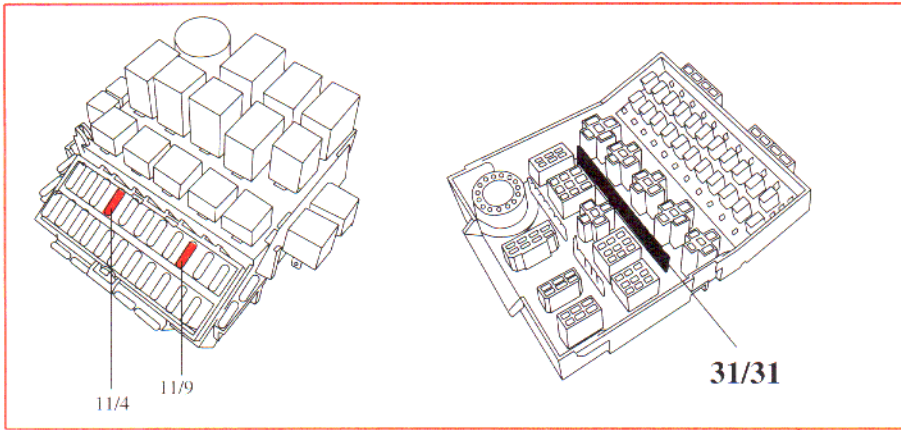


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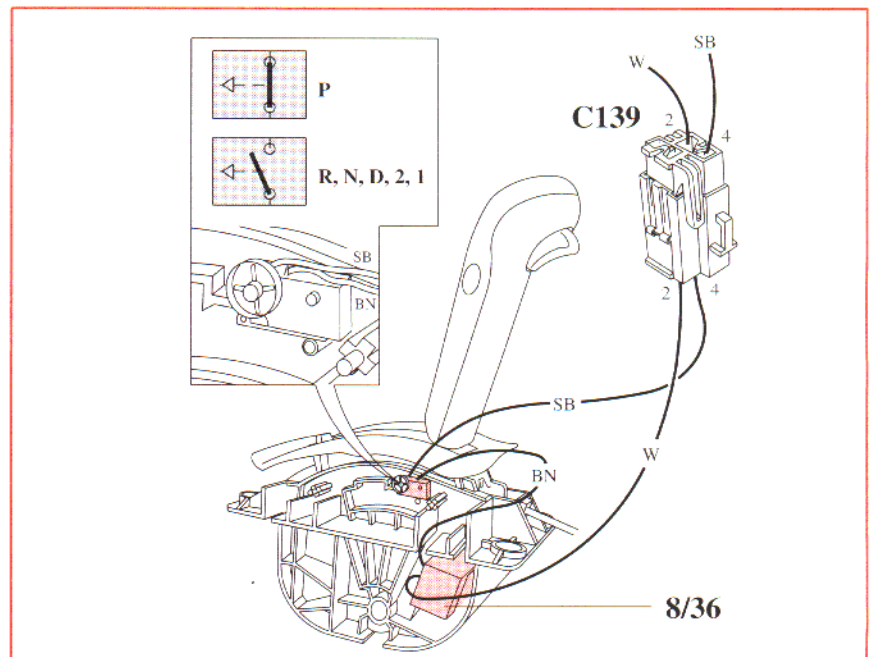
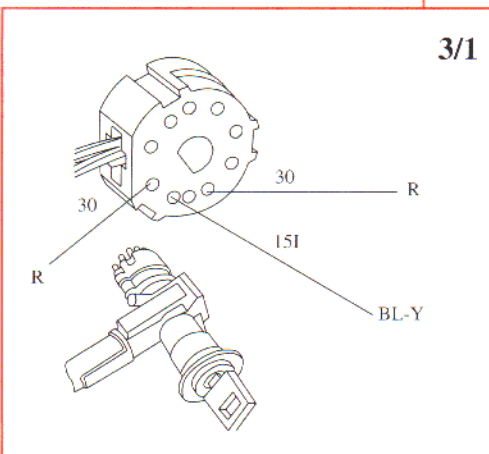
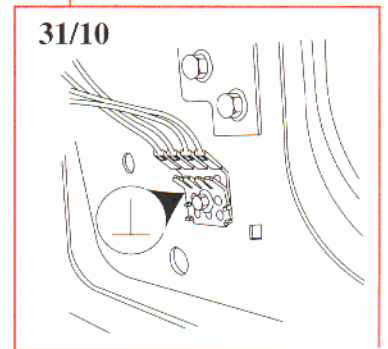
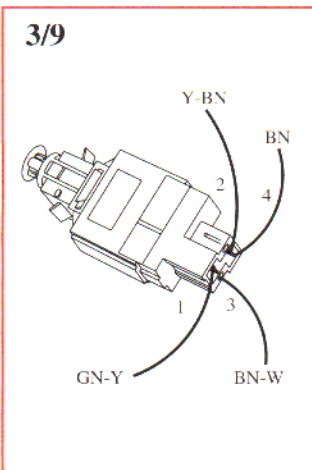
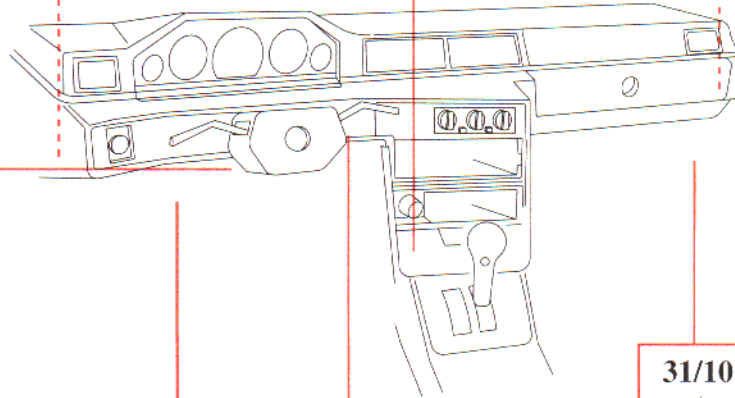
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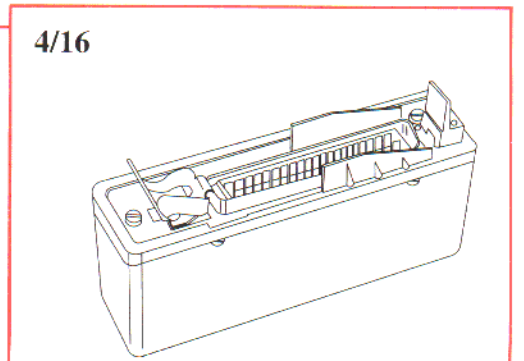
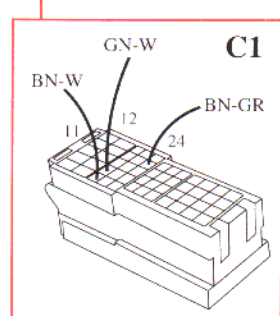
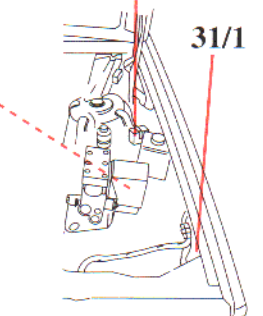
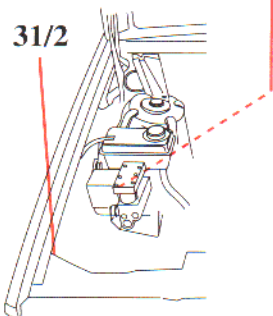
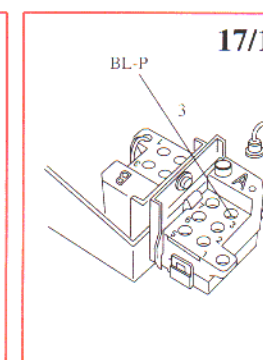
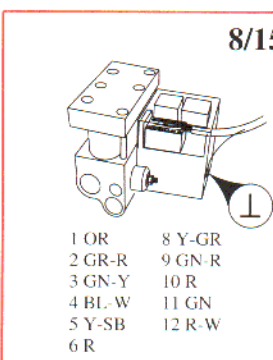
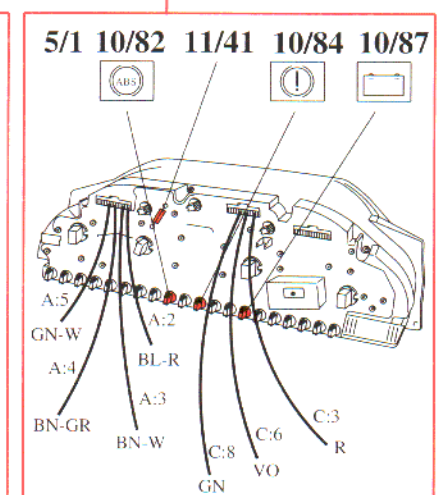
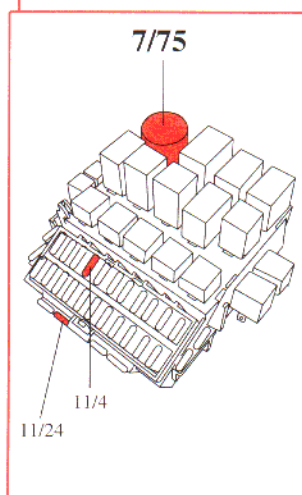
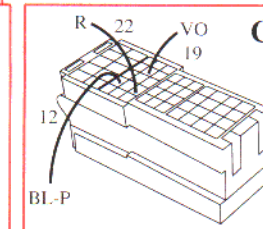
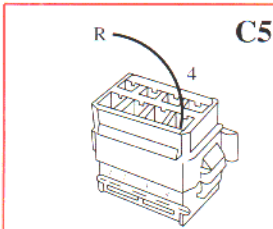
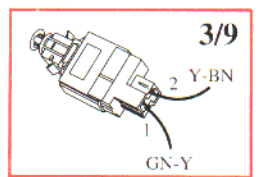
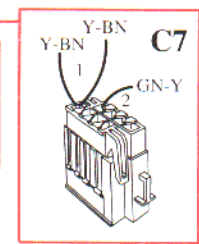
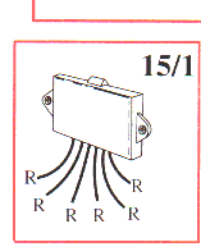
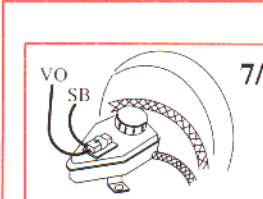
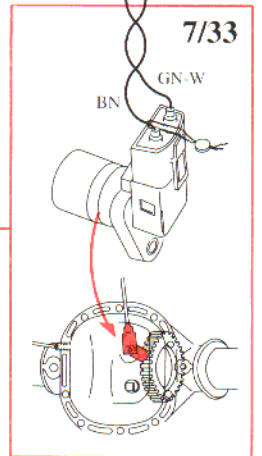
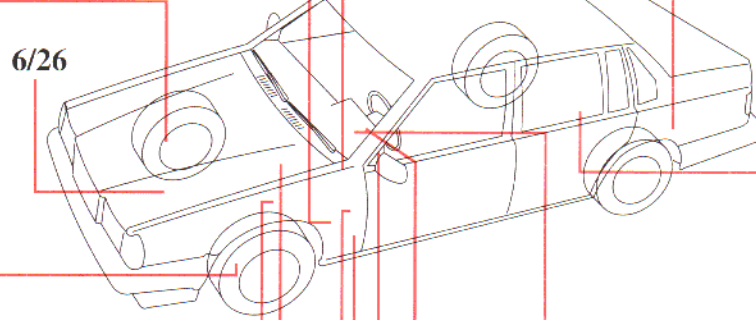
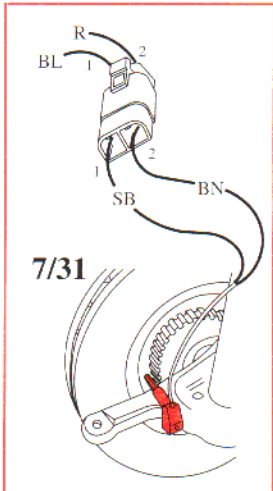
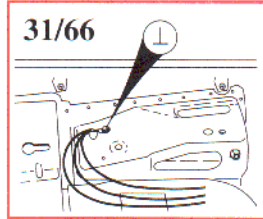
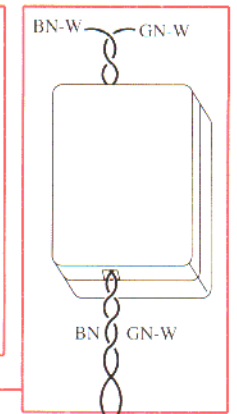
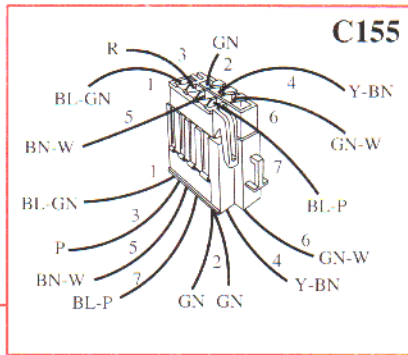
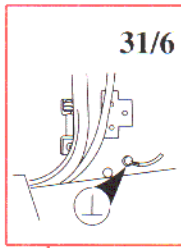
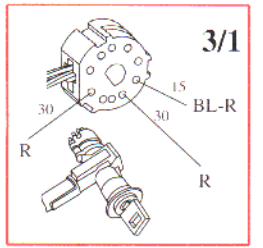
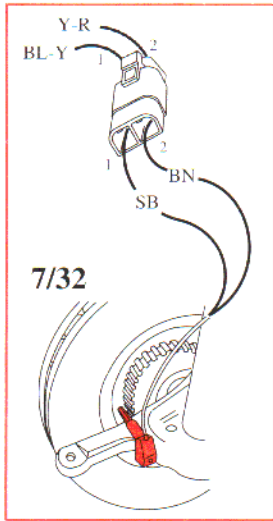


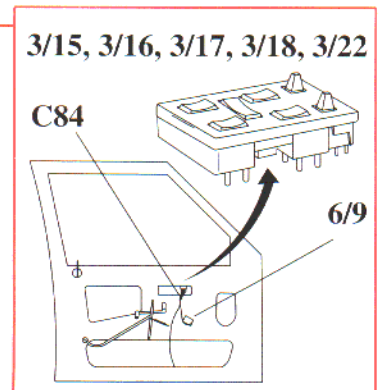
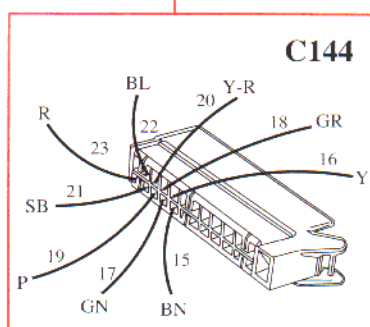
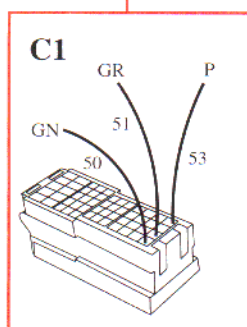
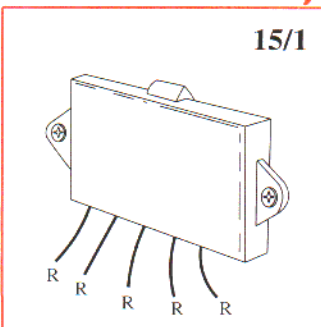
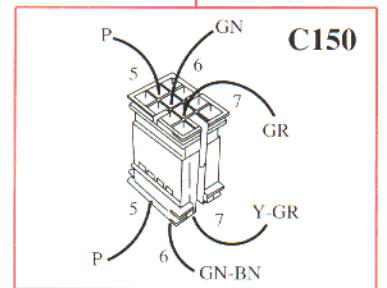
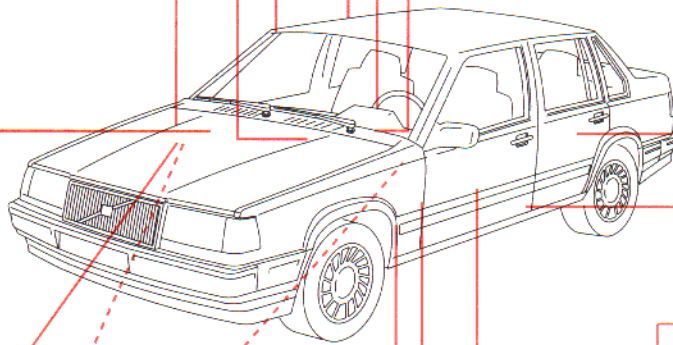
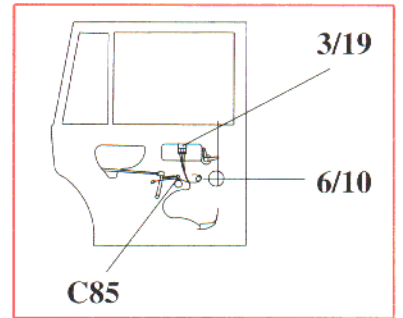
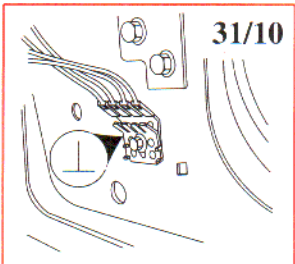
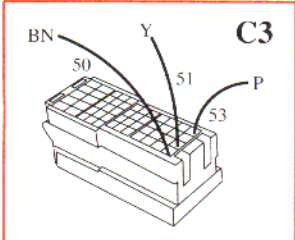
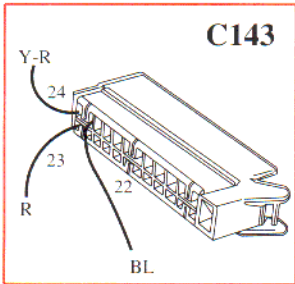
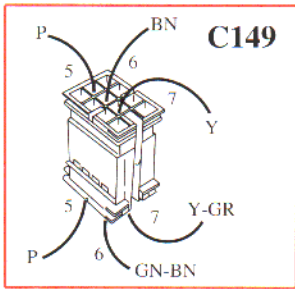
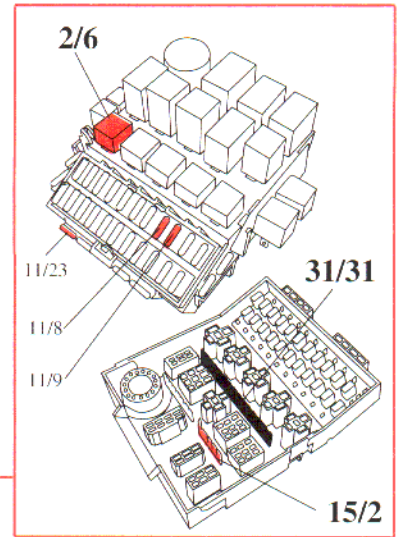
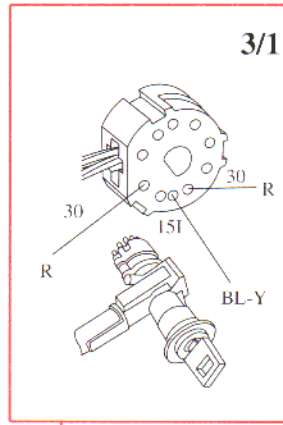
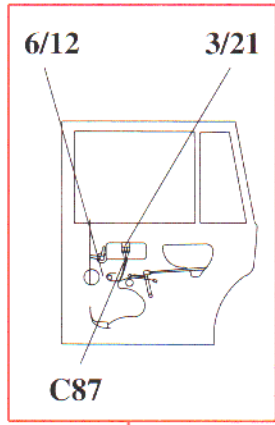
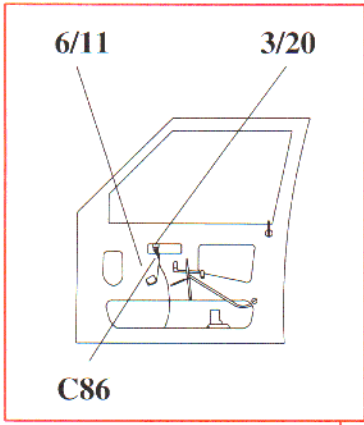


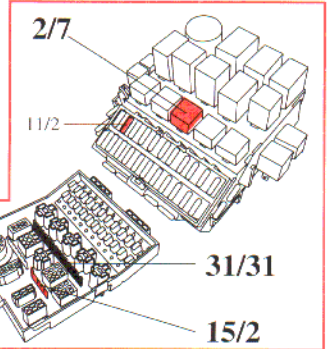
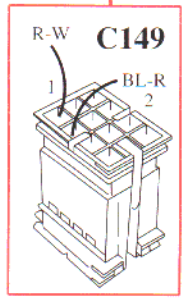
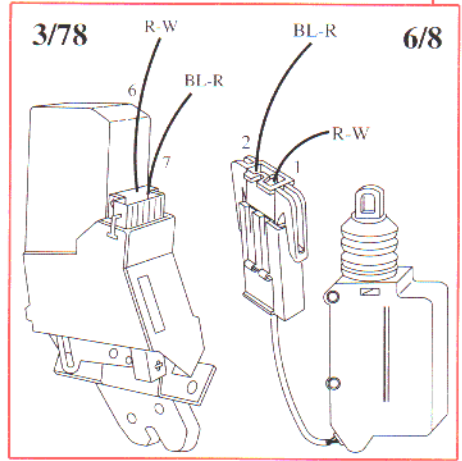
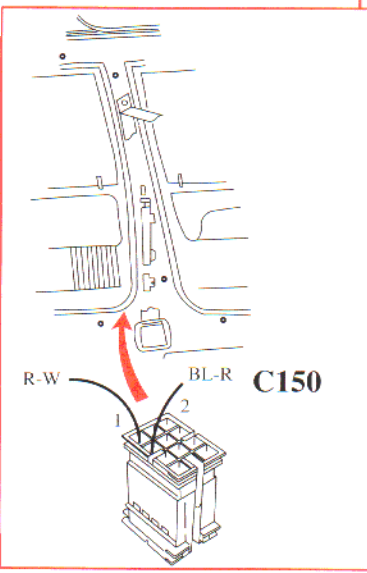
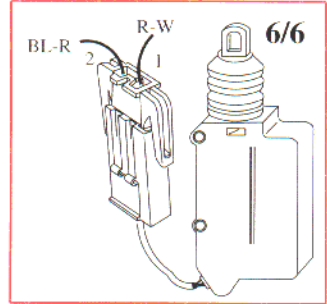
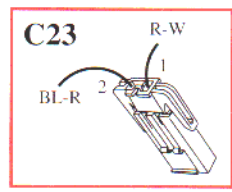
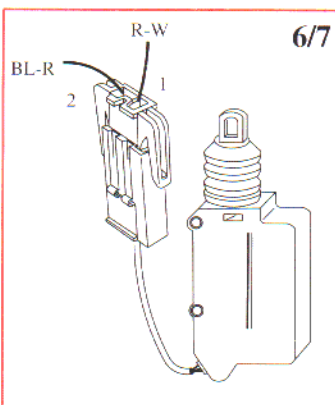
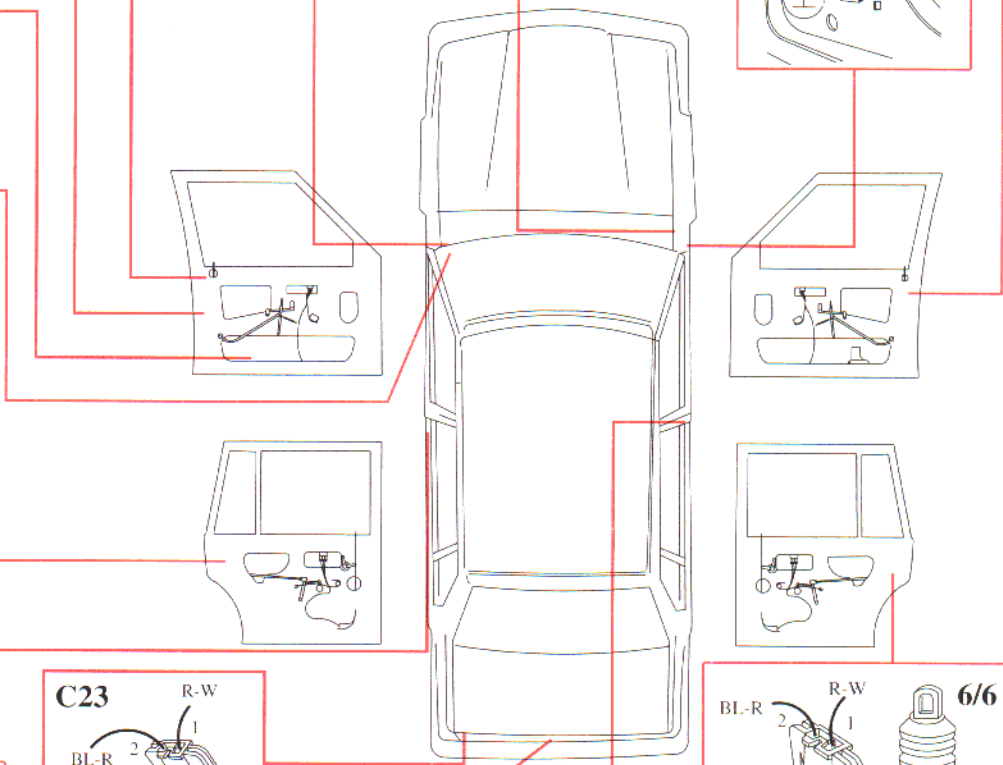
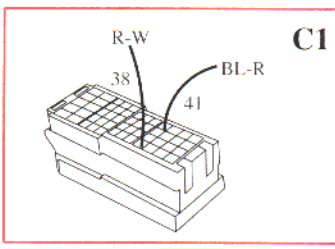
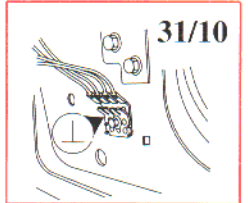
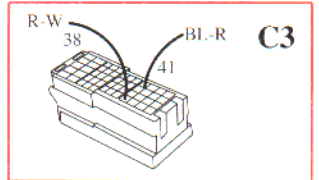
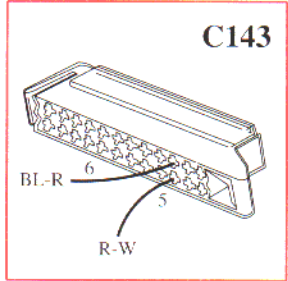
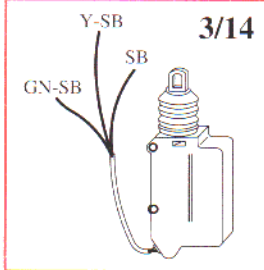
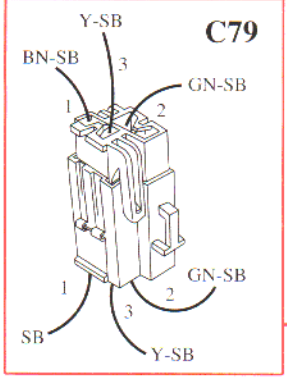
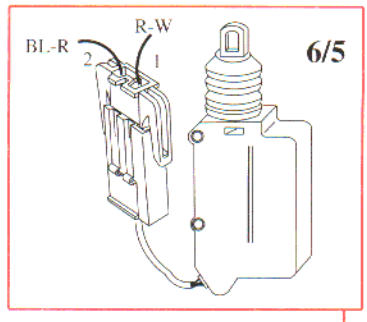
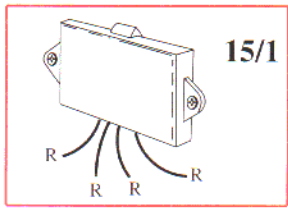
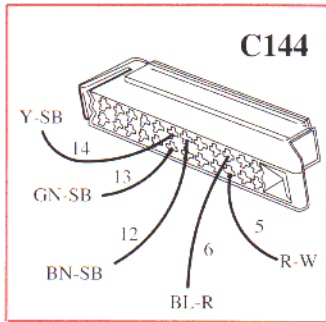
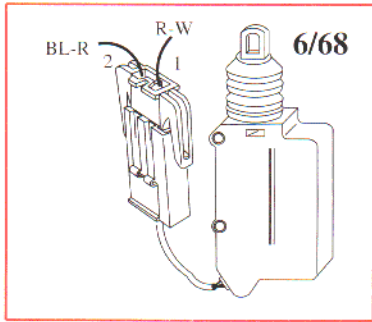


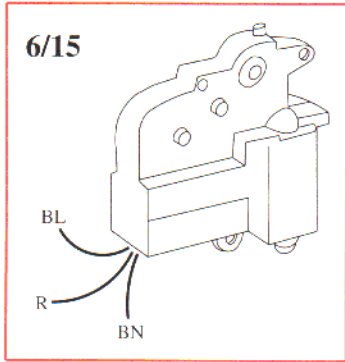
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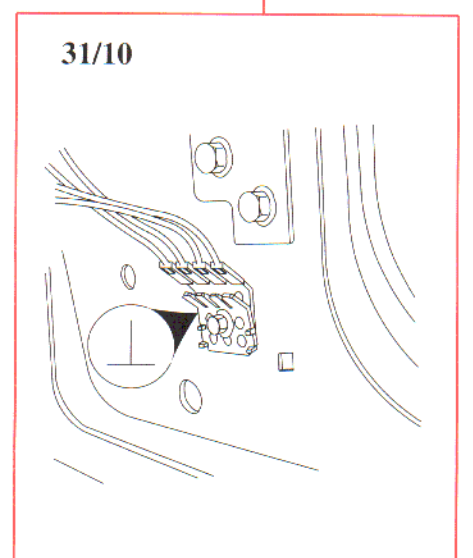
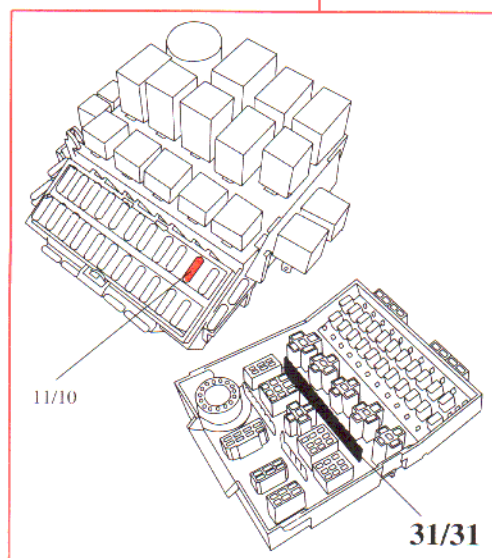
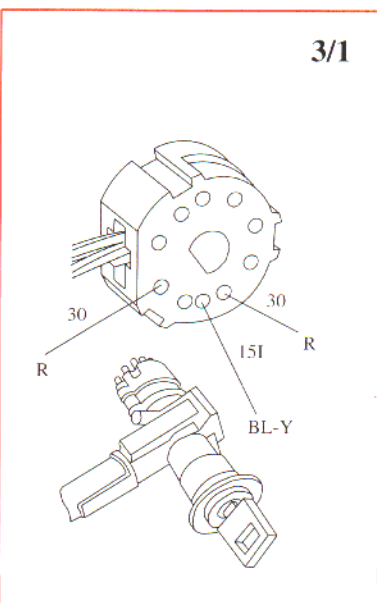
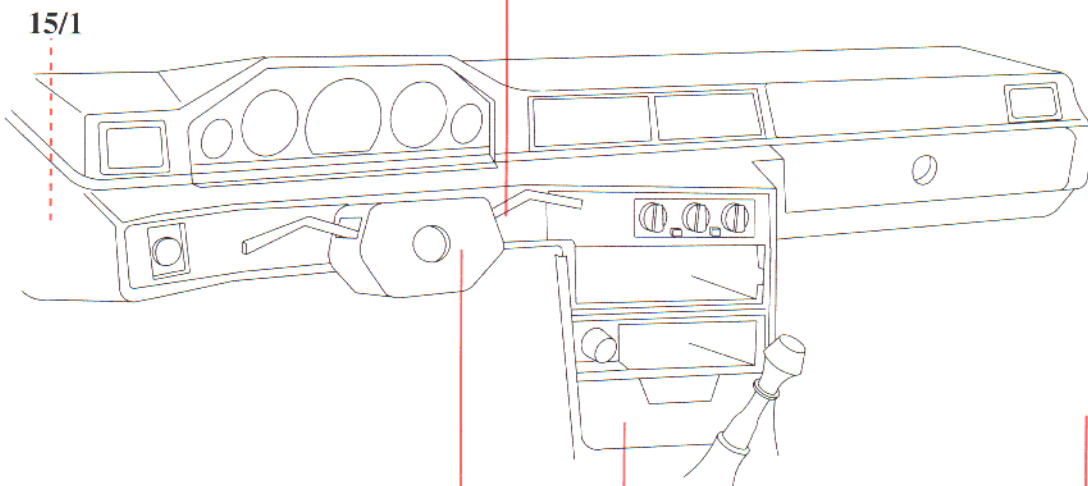
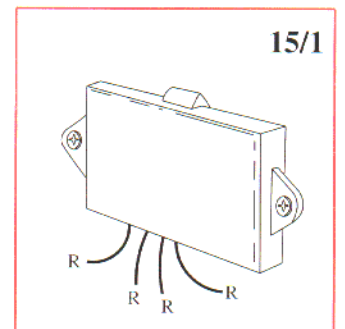
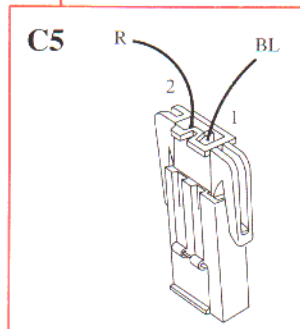
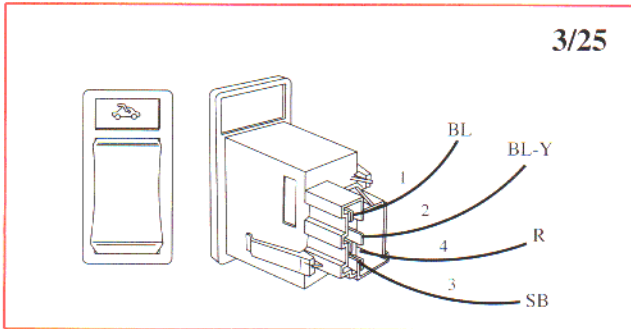
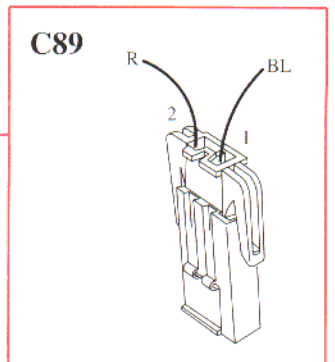
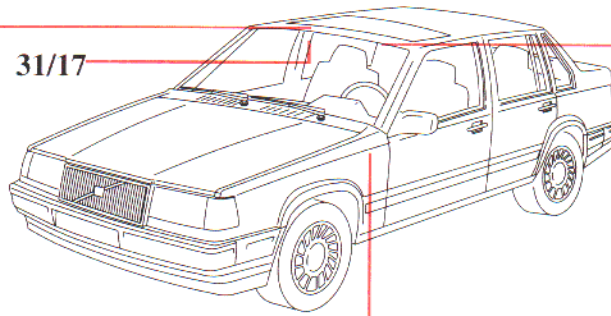


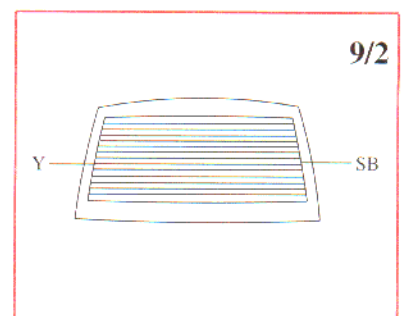
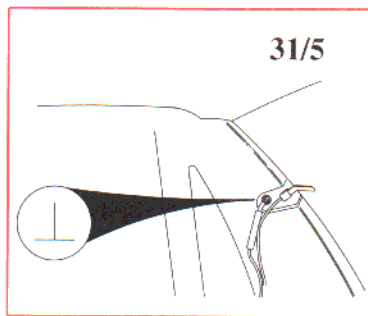
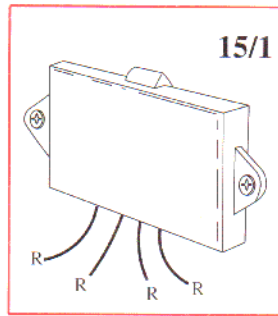
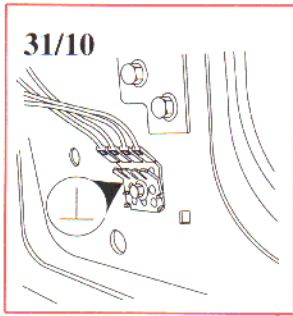




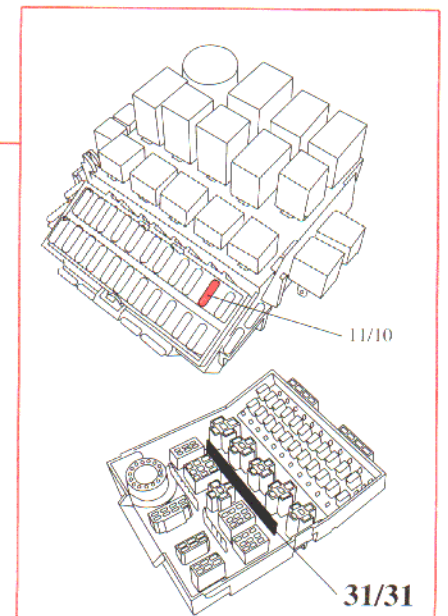
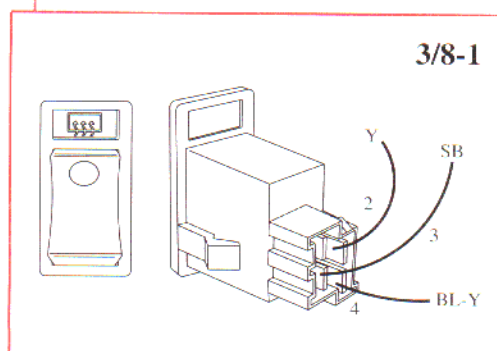
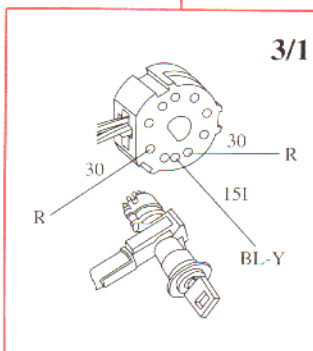
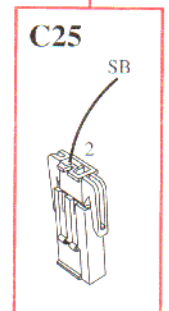
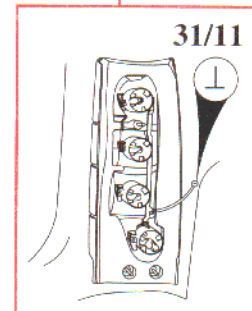
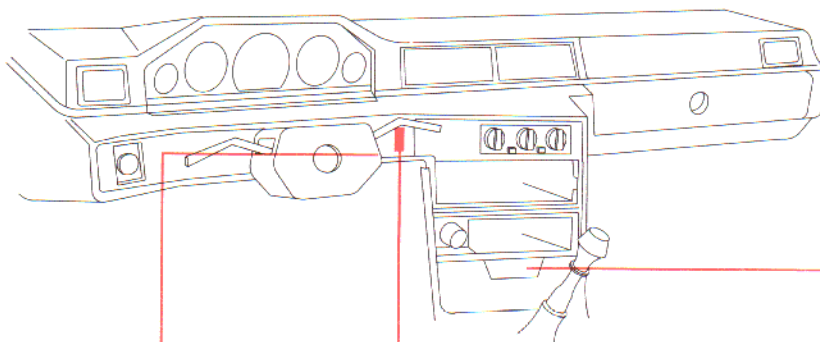
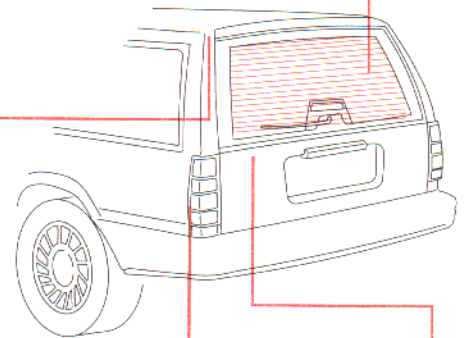
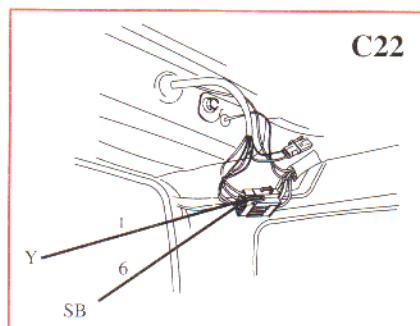
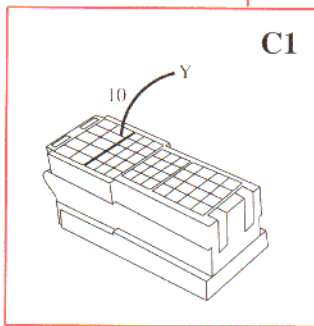
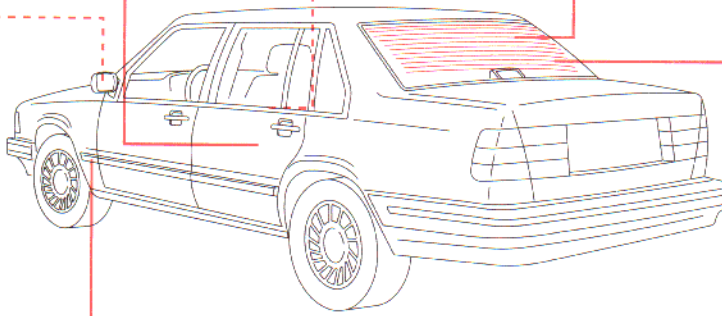


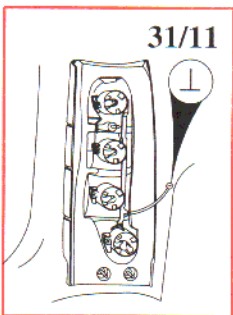
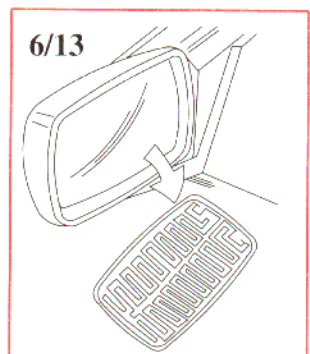
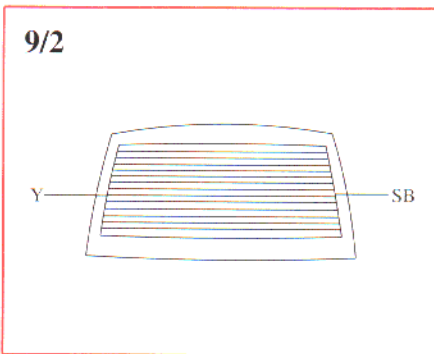
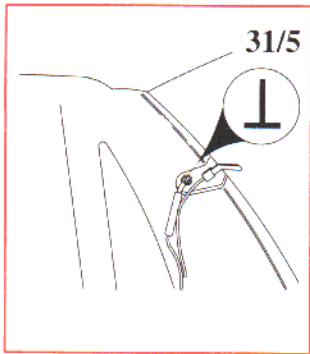
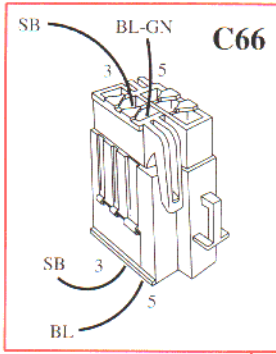
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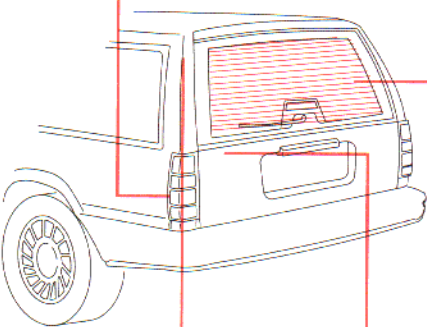
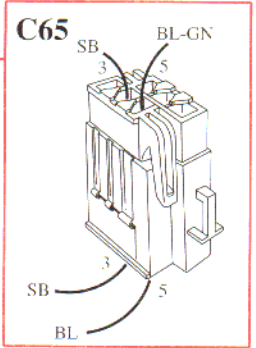
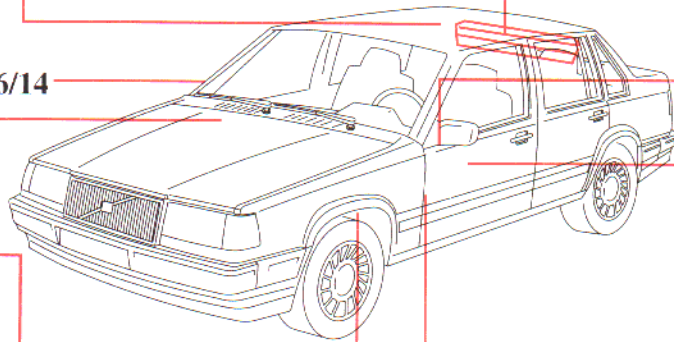


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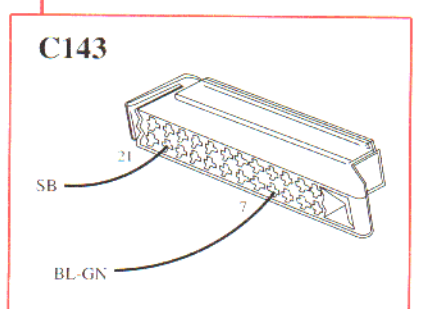
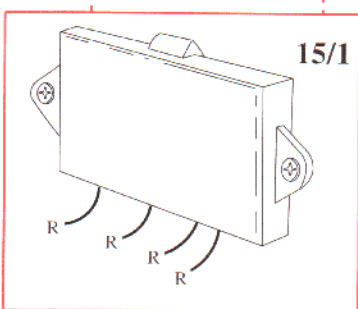
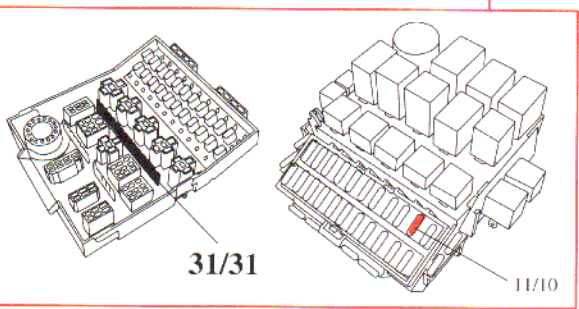
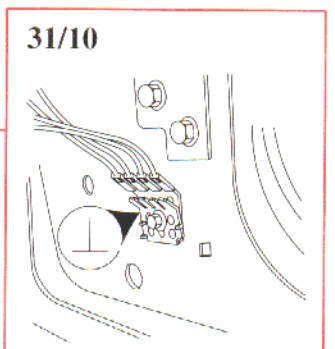
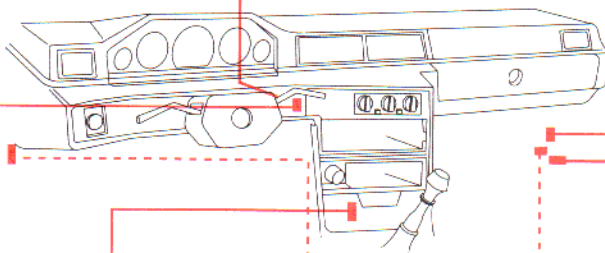
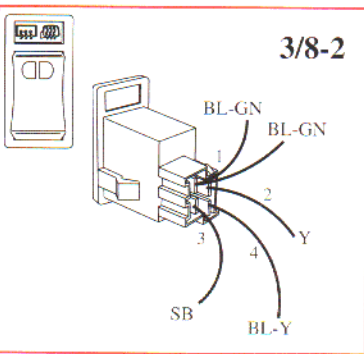
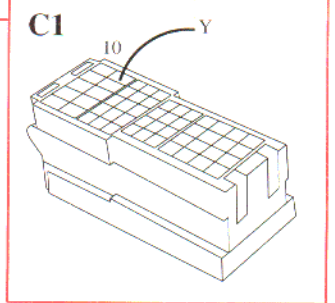
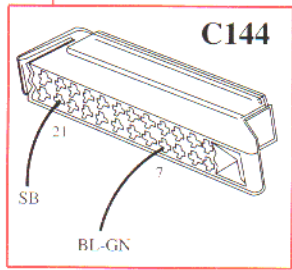
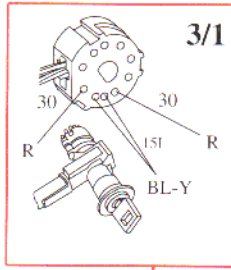
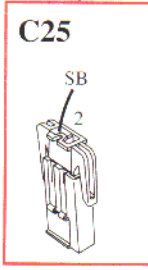
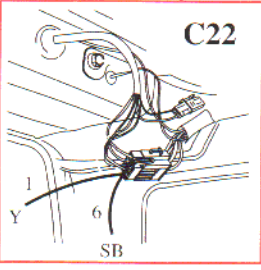




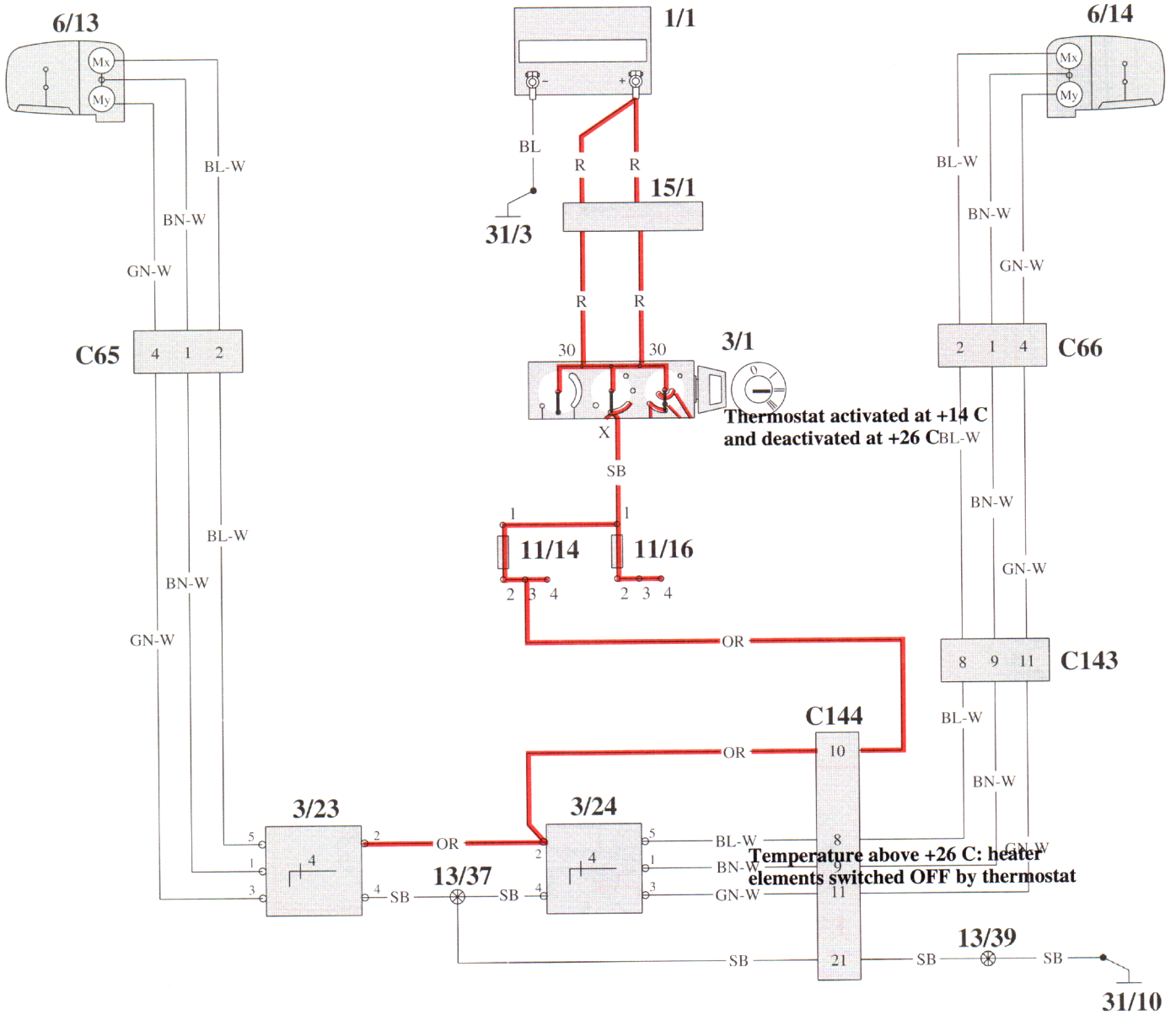
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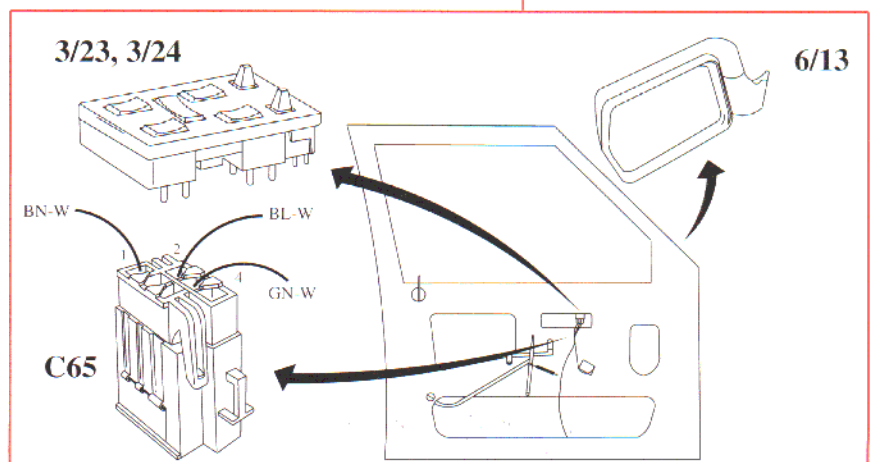
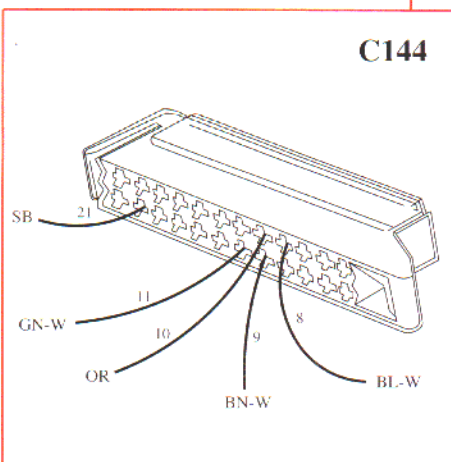
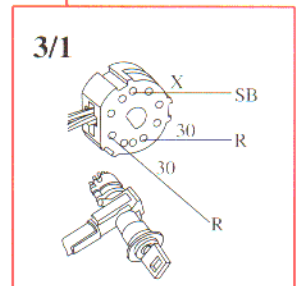
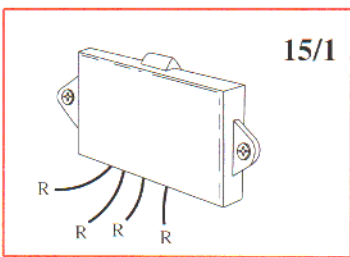
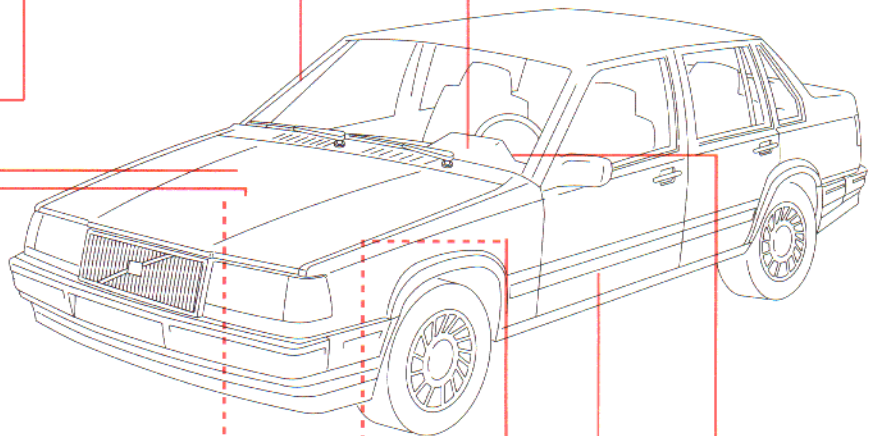
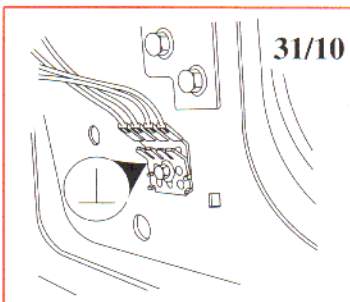
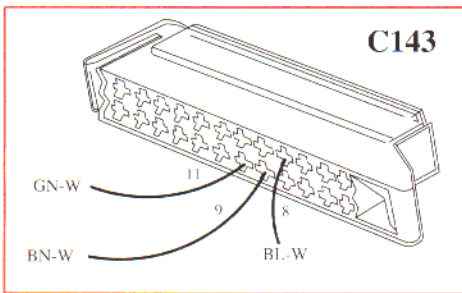
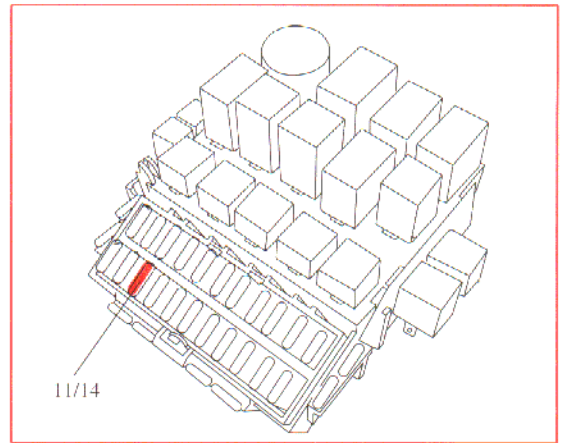
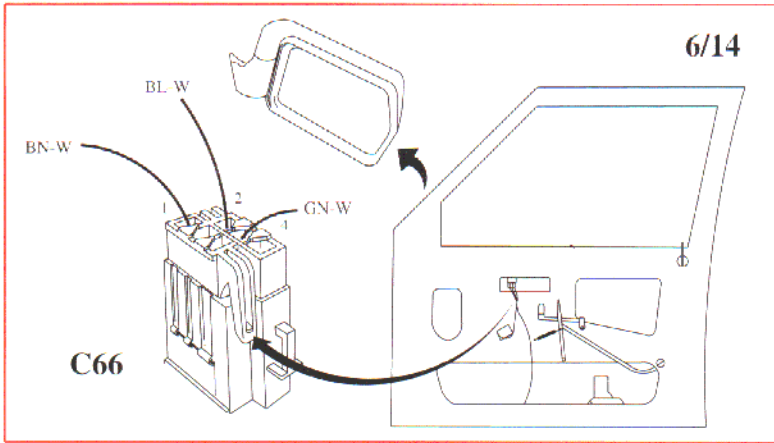
Heated driver's/passenger's seat, normal output

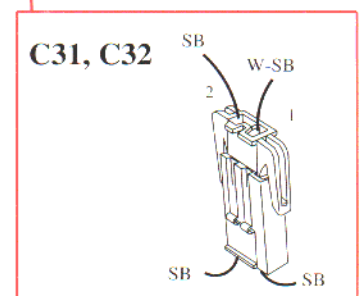
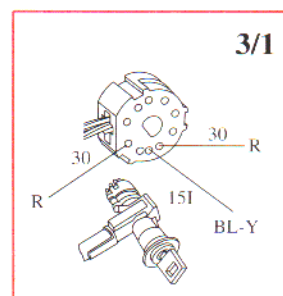
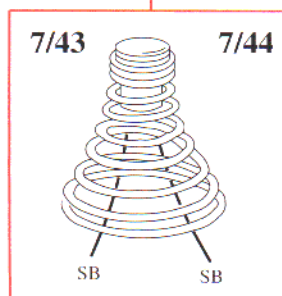
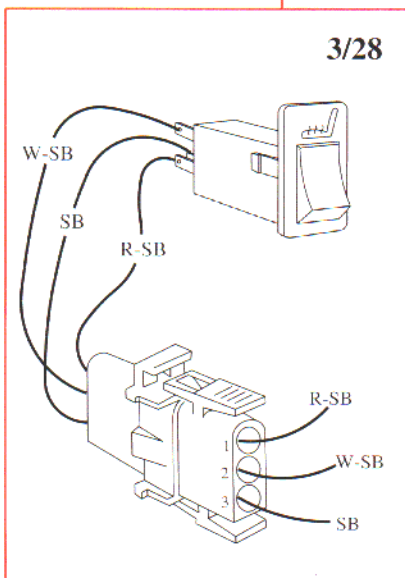
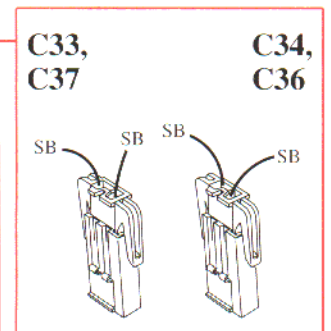
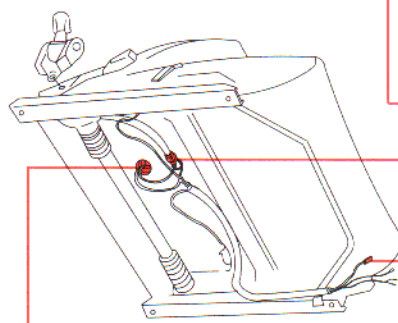
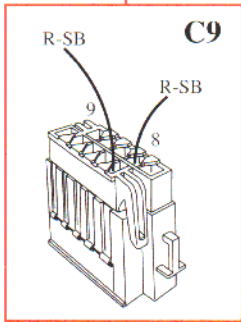
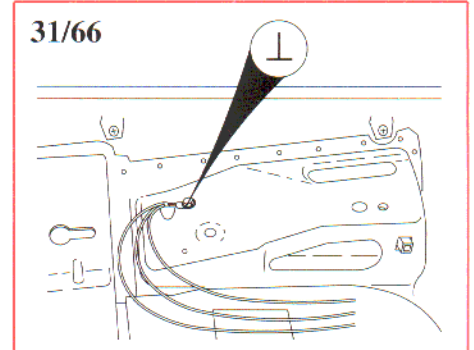
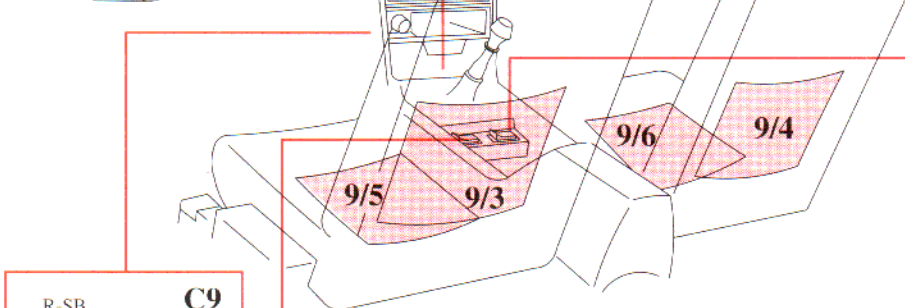
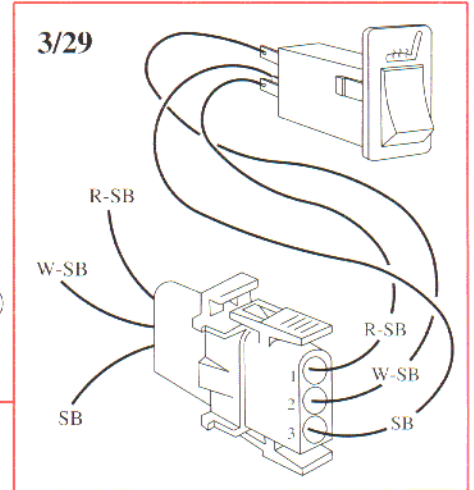
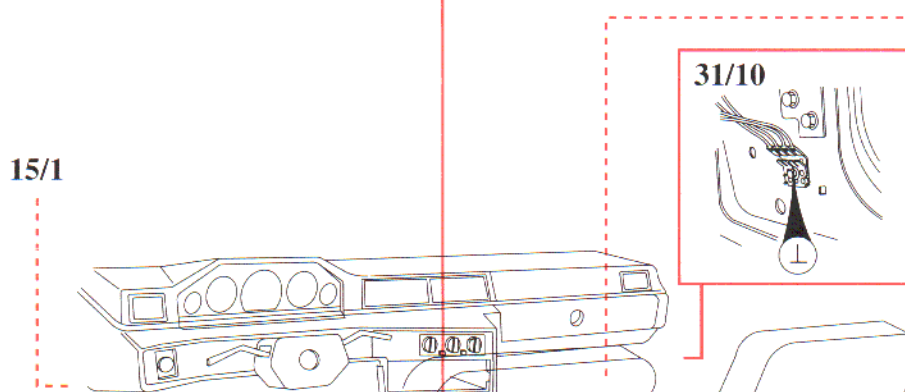
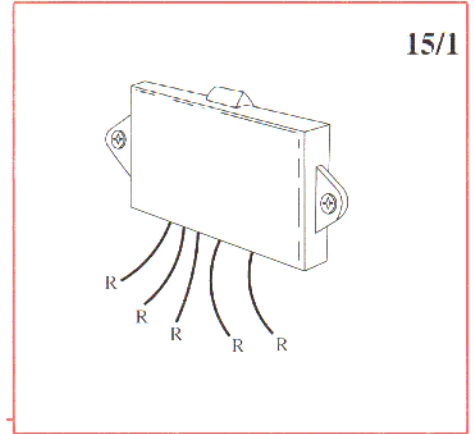
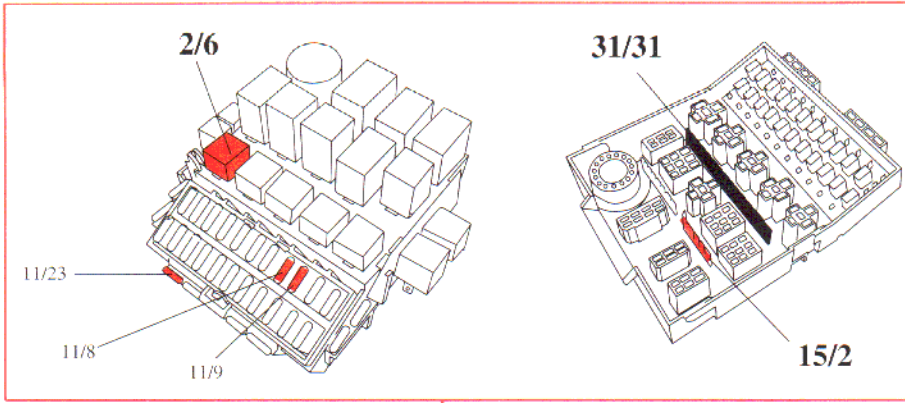


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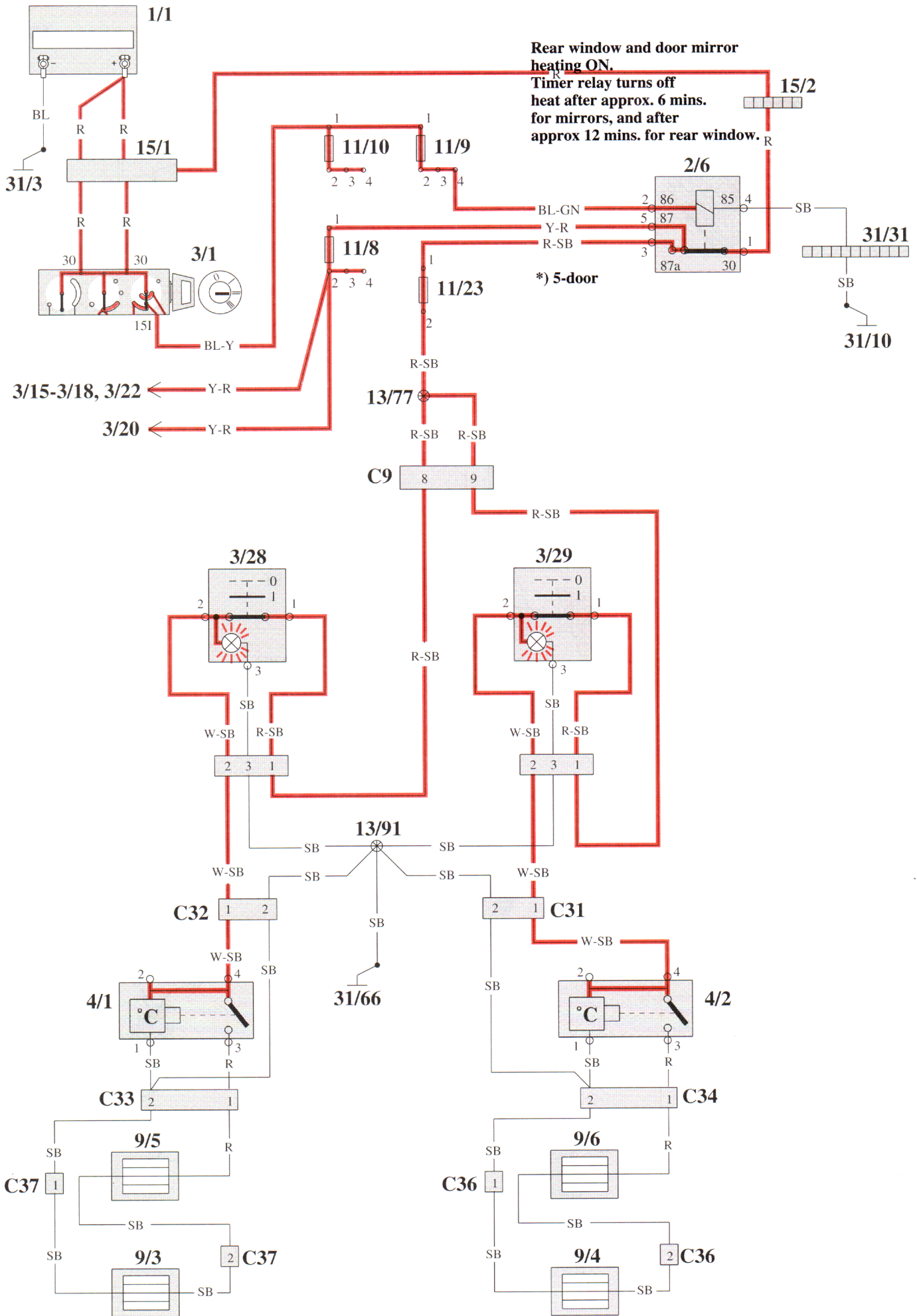
Position	Terminal	Terminal				
		1	2	3	4	5
Y1	Y1	X	X	X	X	
Y2	Y2	X	X	X	X	
X2	X1	X	X		X	X
Y2	X2	X	X		X	X

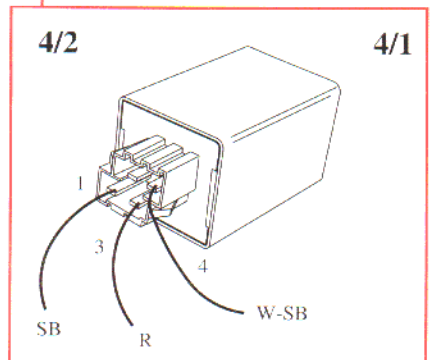
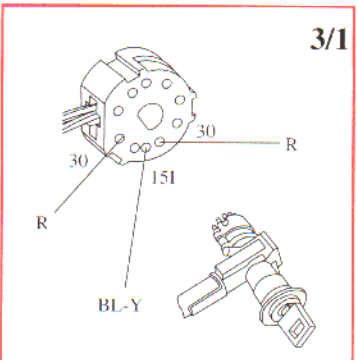
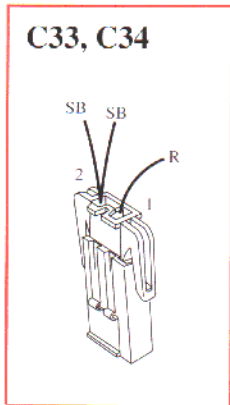
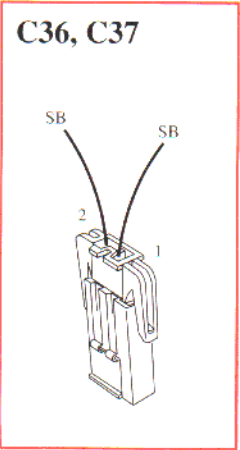
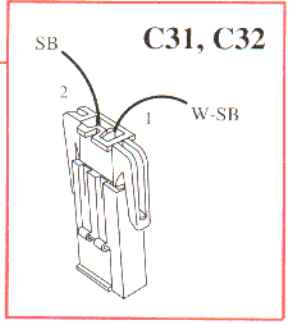
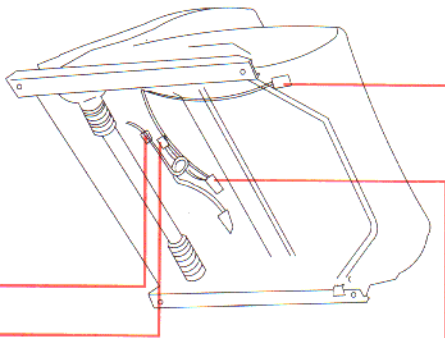
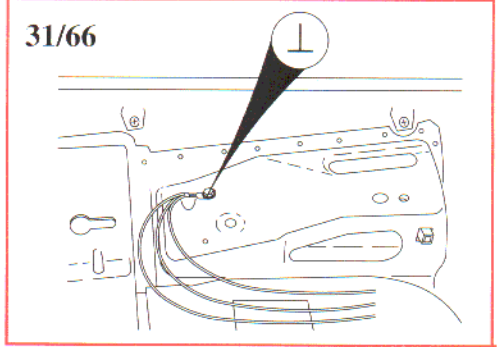
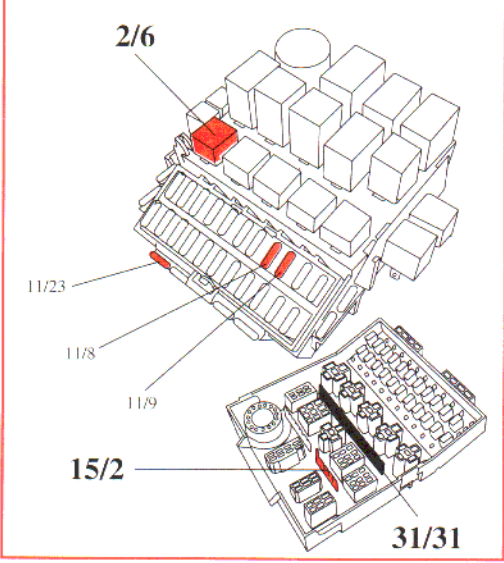
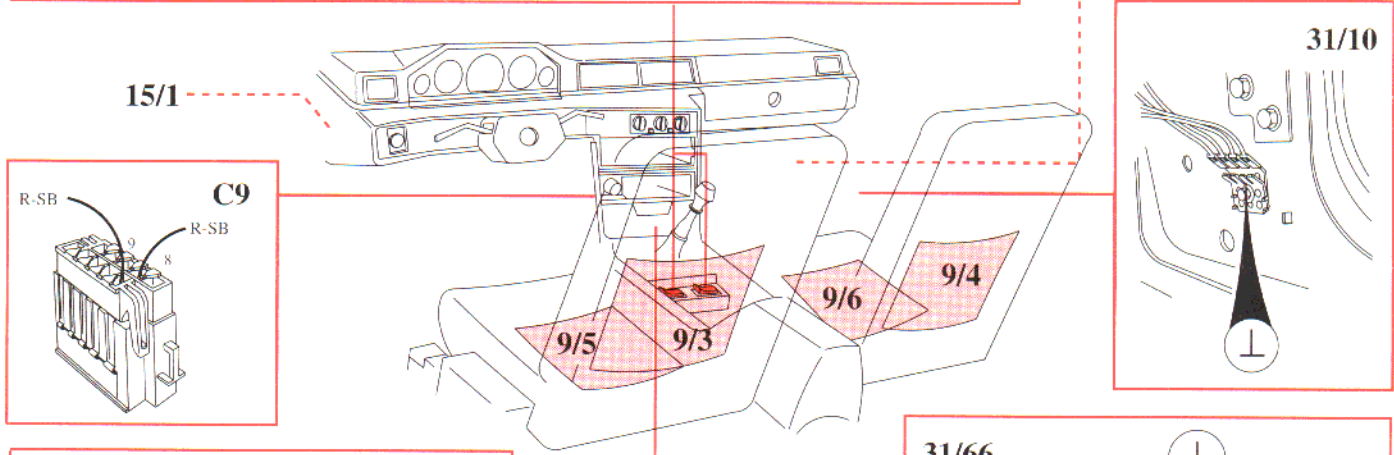
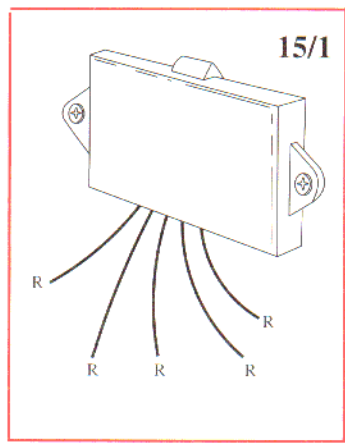
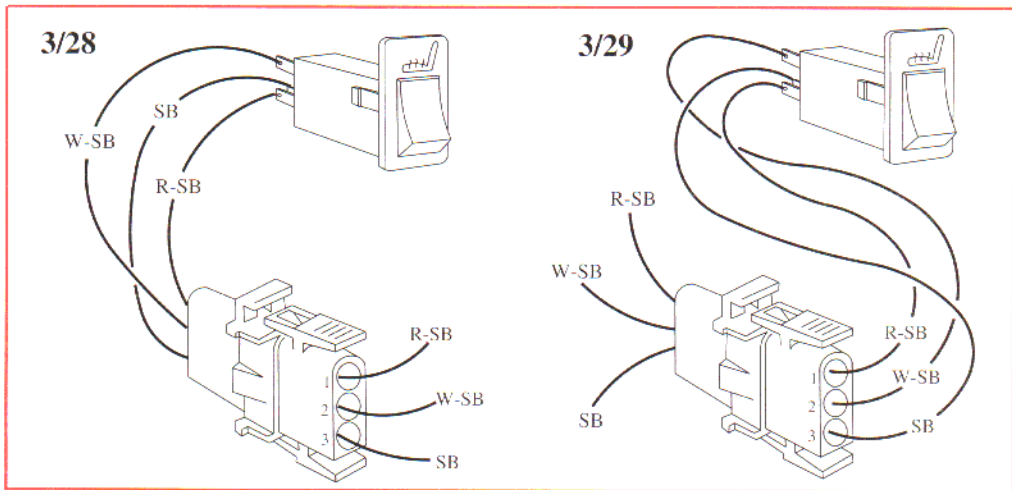
Ignition ON and passenger's seat also ON

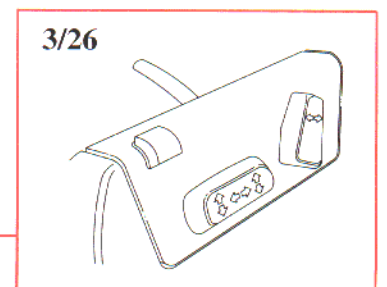
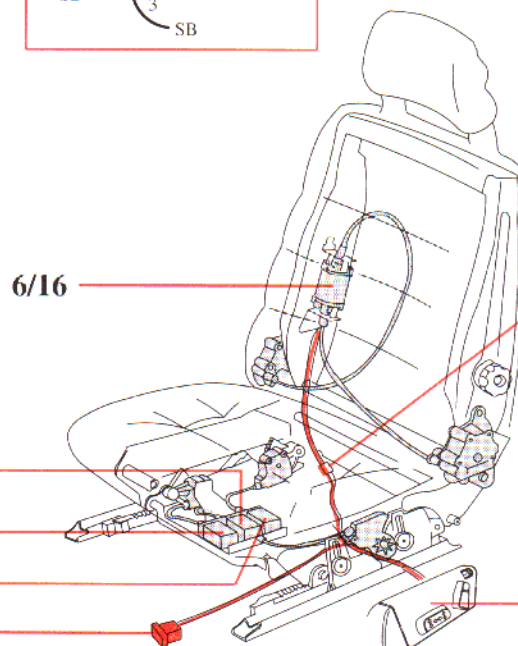
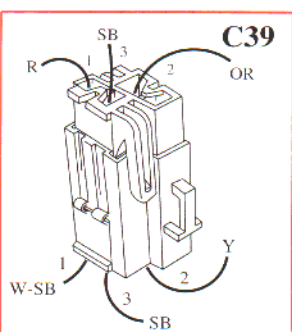
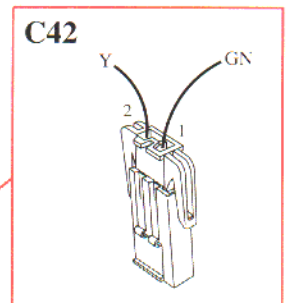
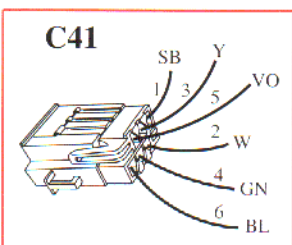
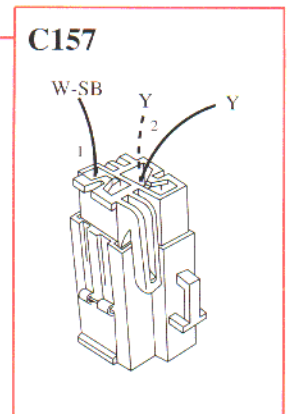
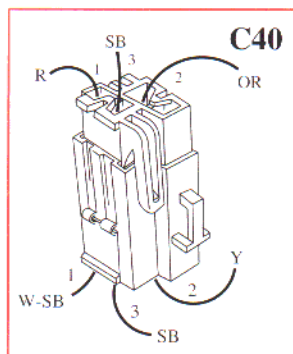
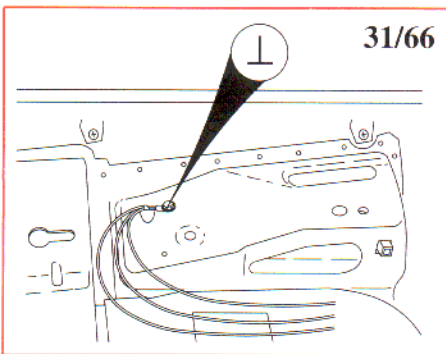
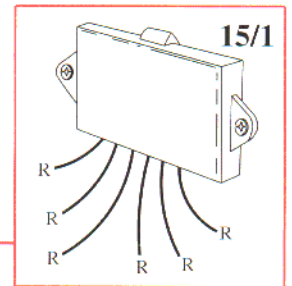
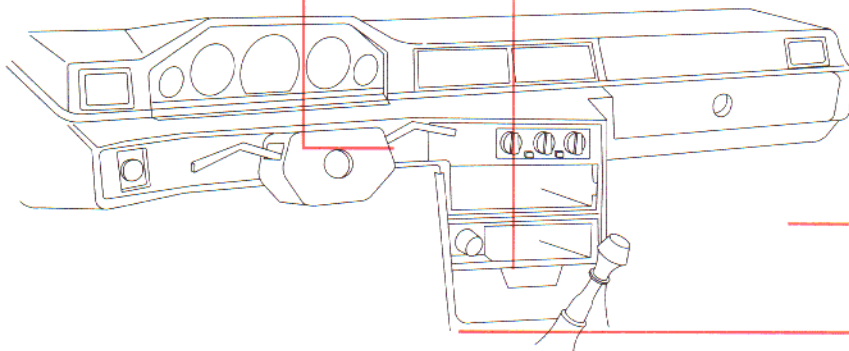
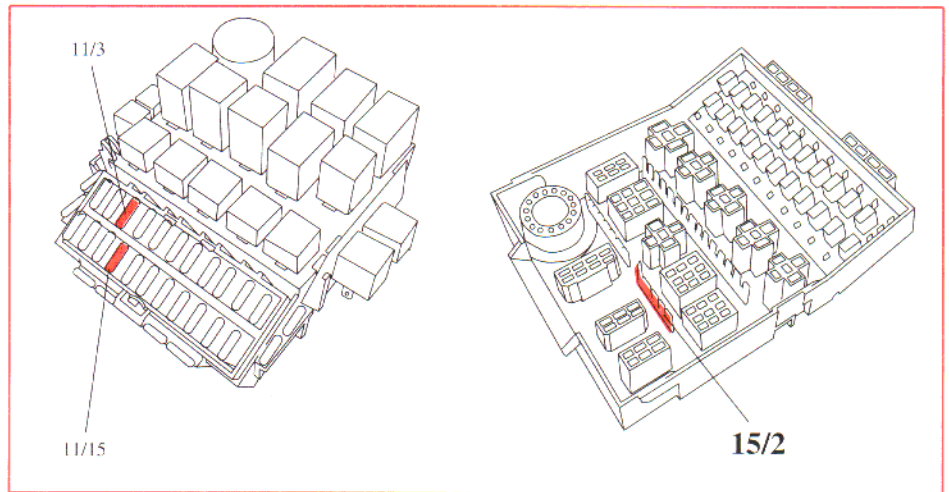
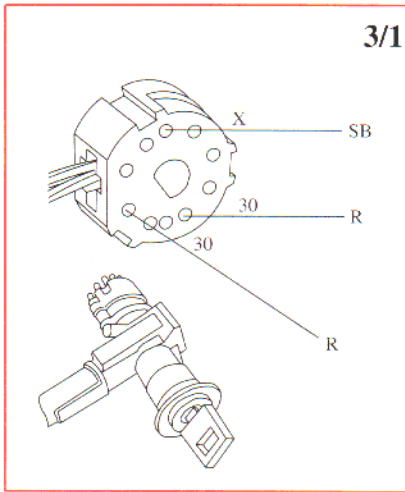




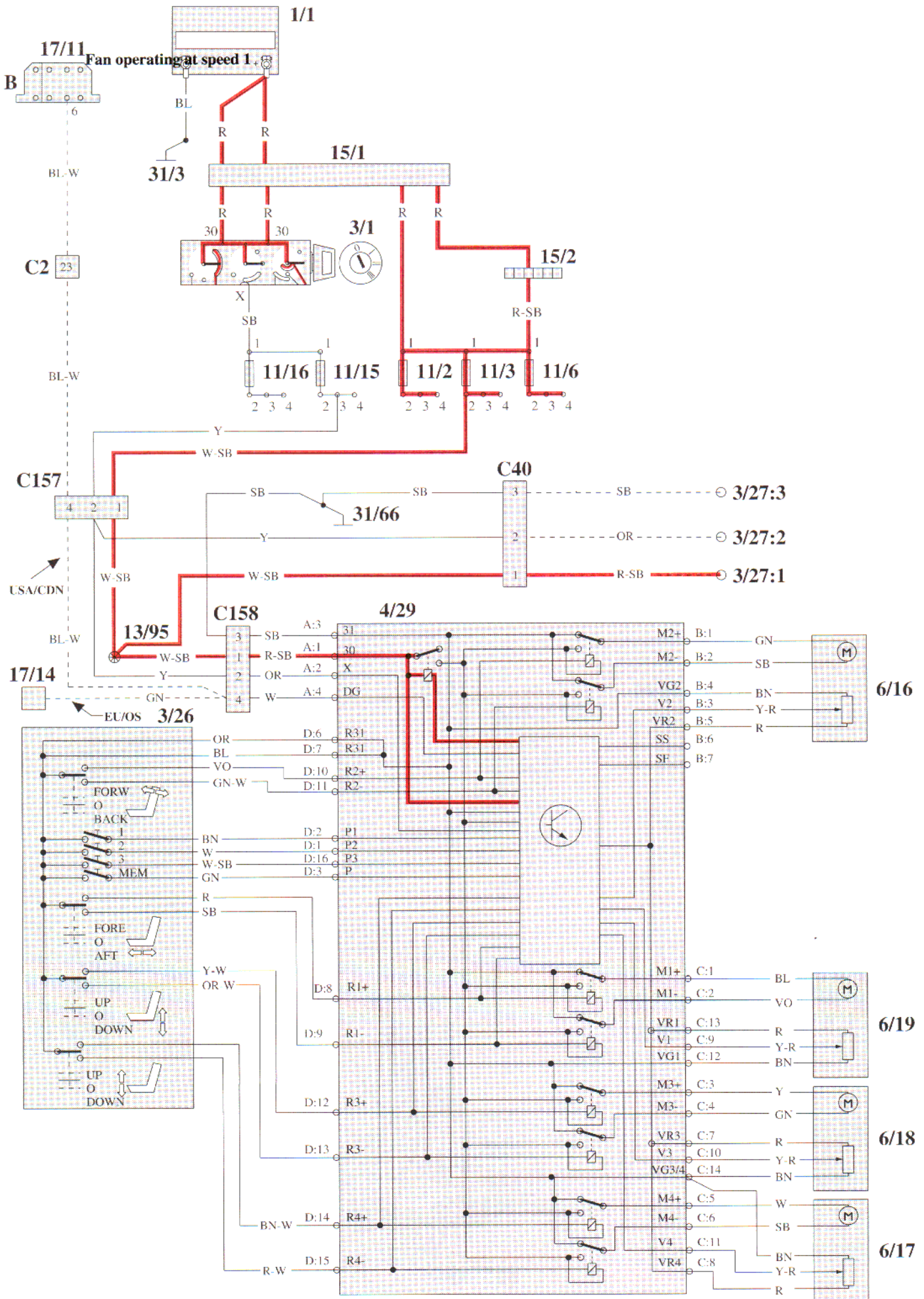
Heated rear window and door mirrors with timer relay

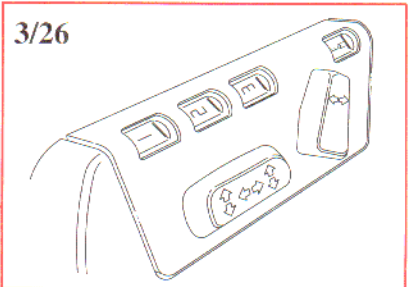
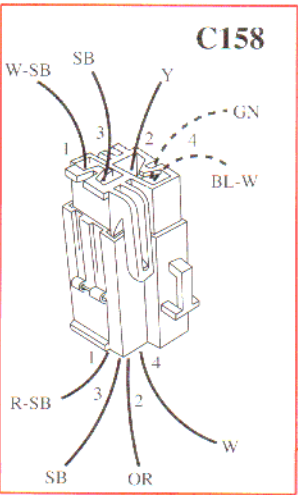
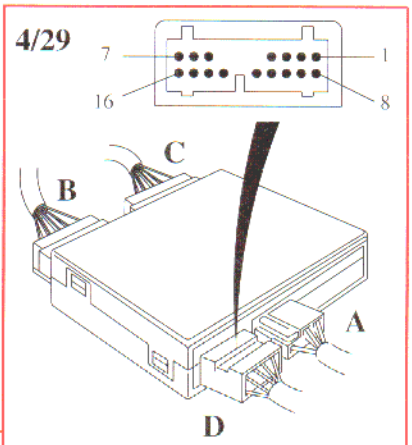
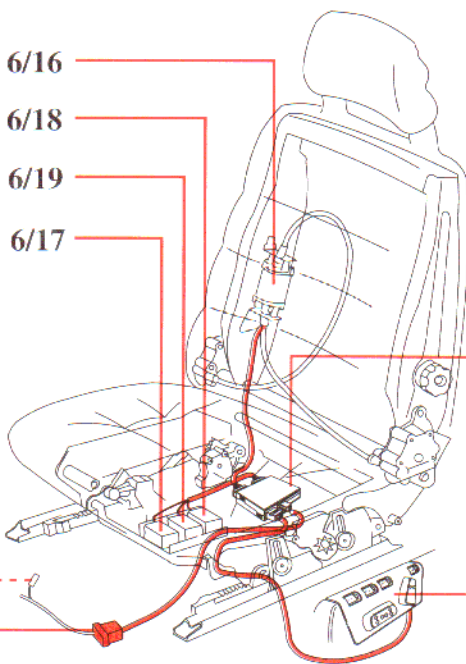
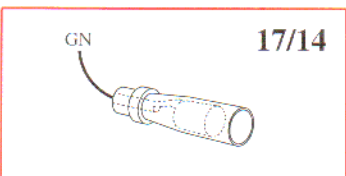
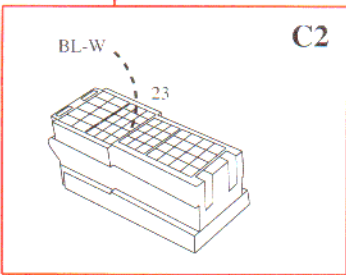
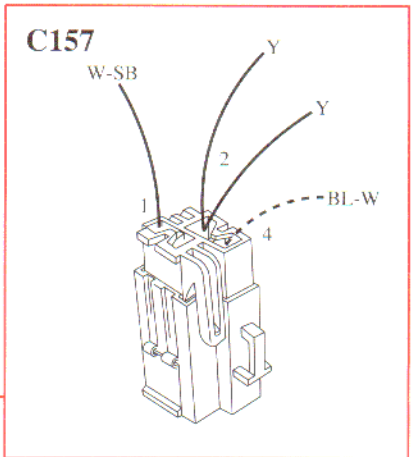
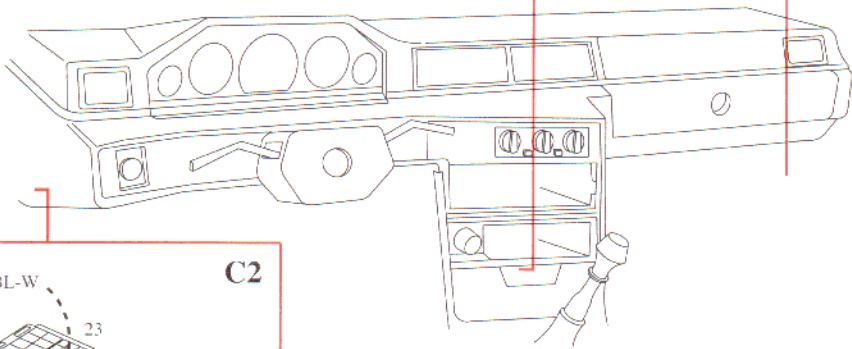
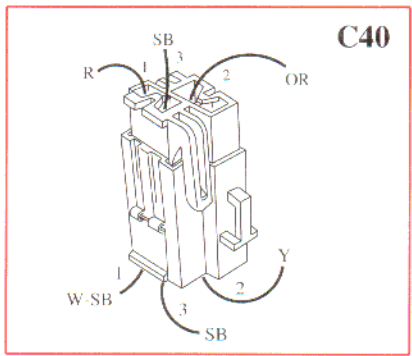
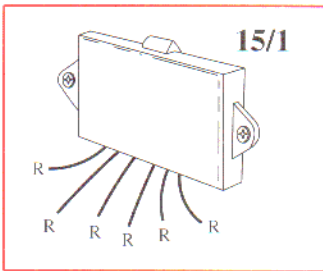
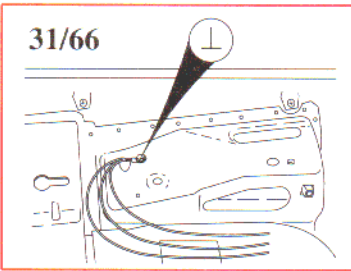
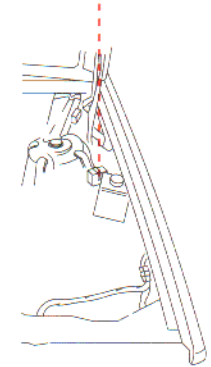
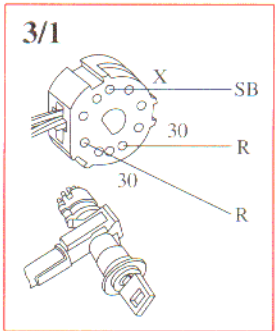
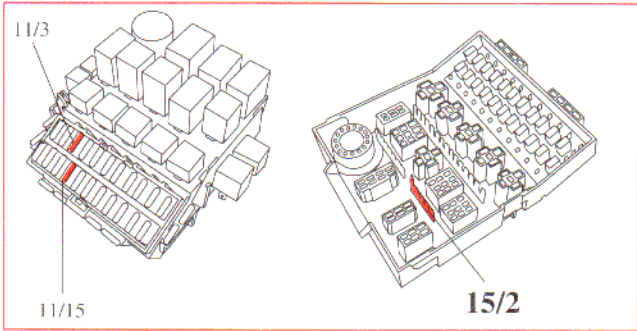
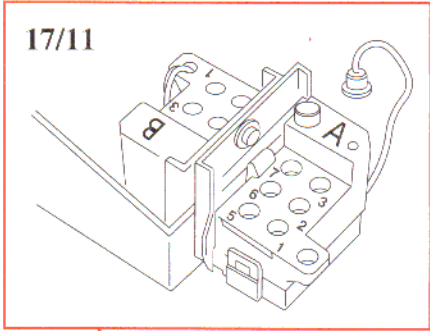


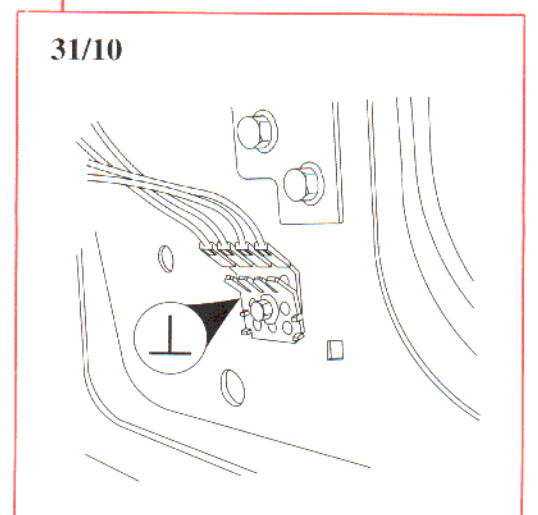
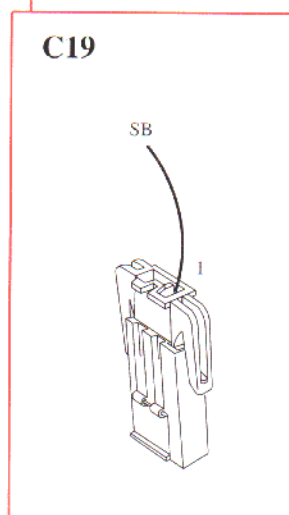
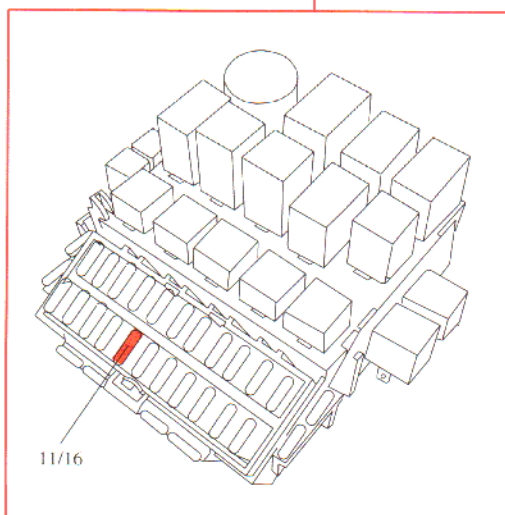
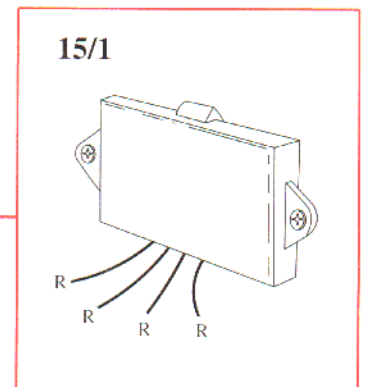
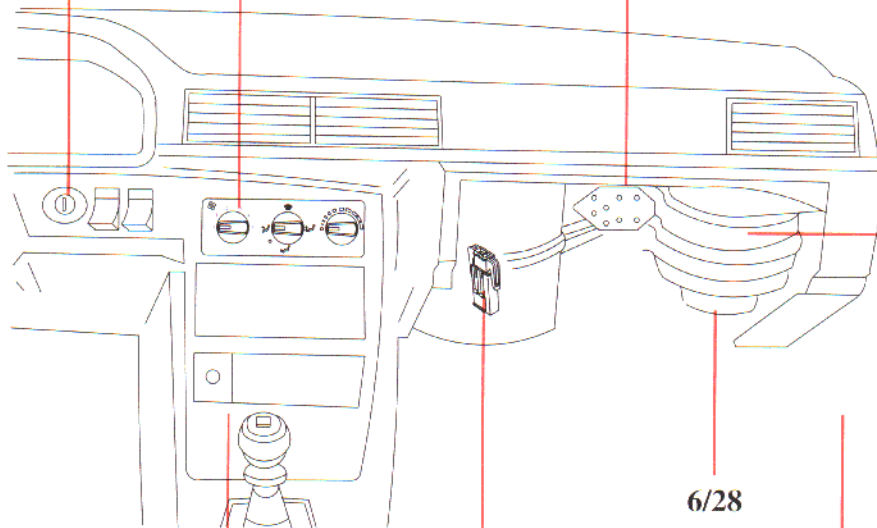
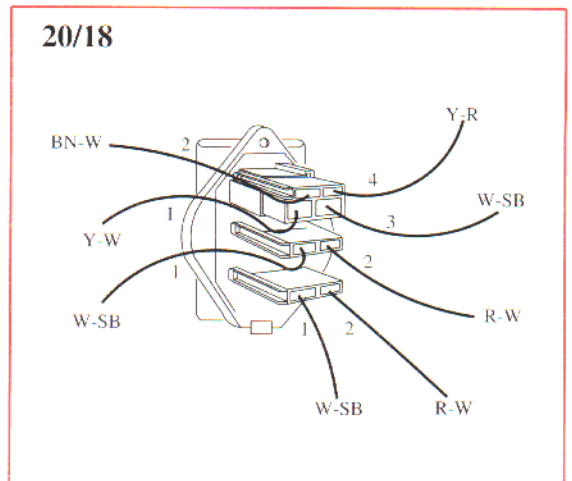
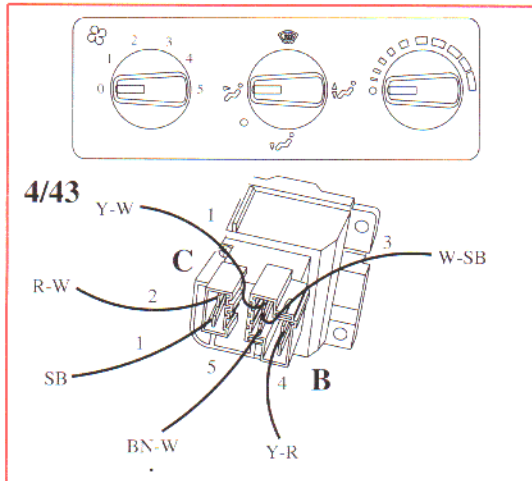
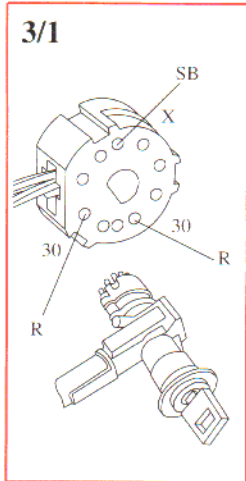




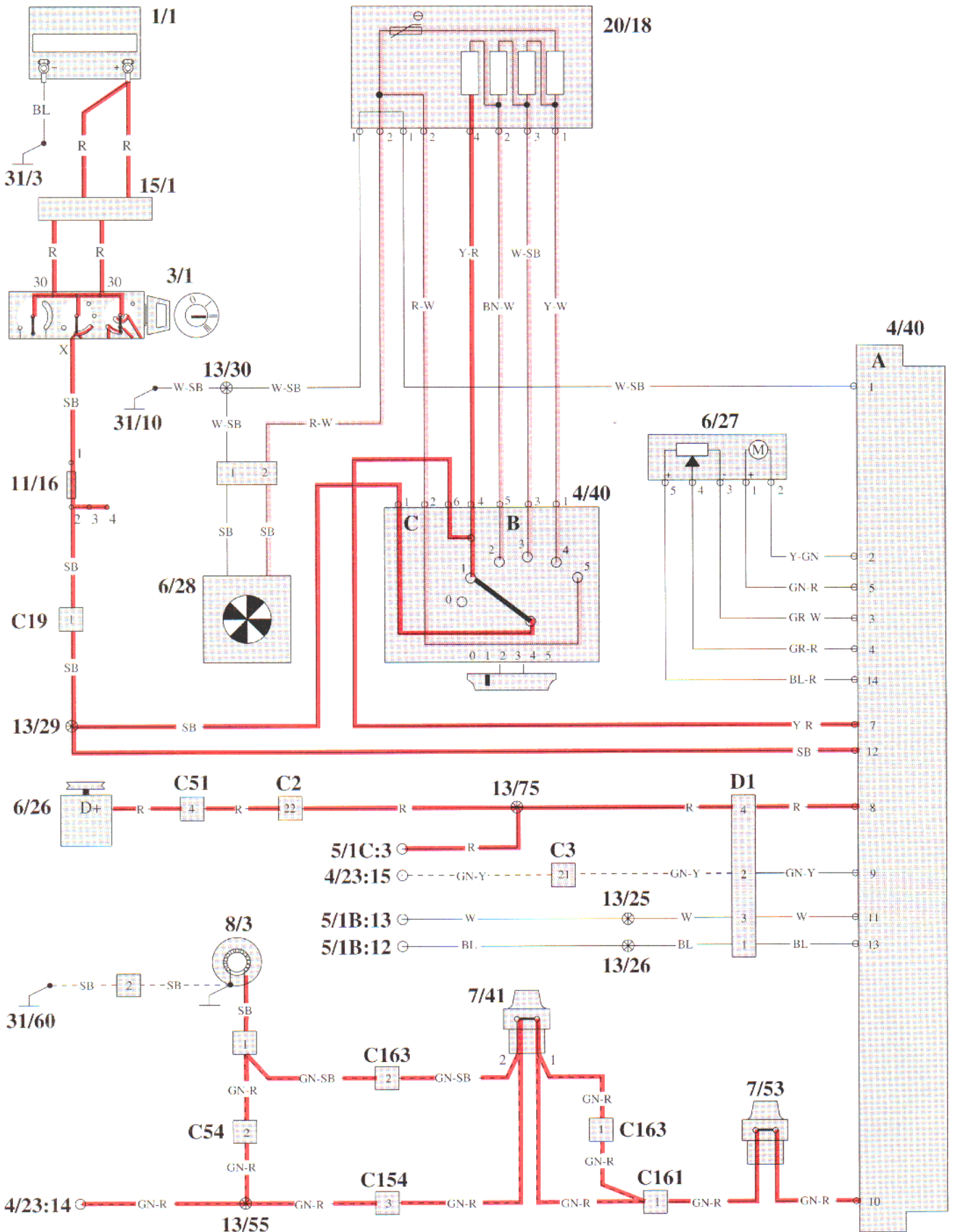
Cabin fan, standard heater

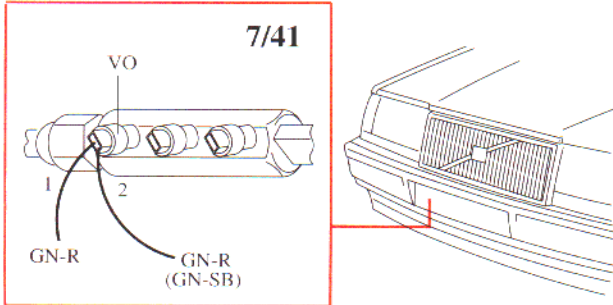
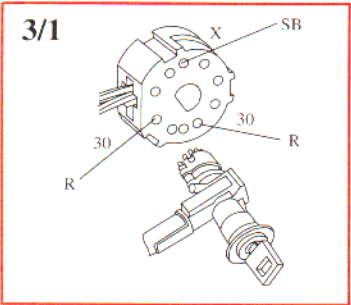
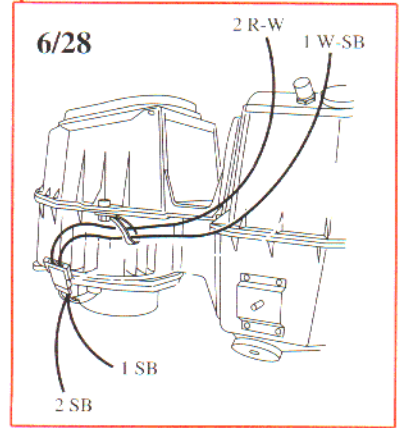
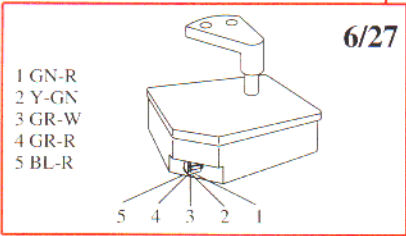
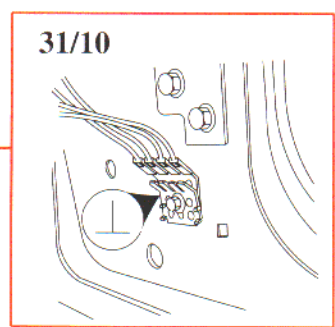
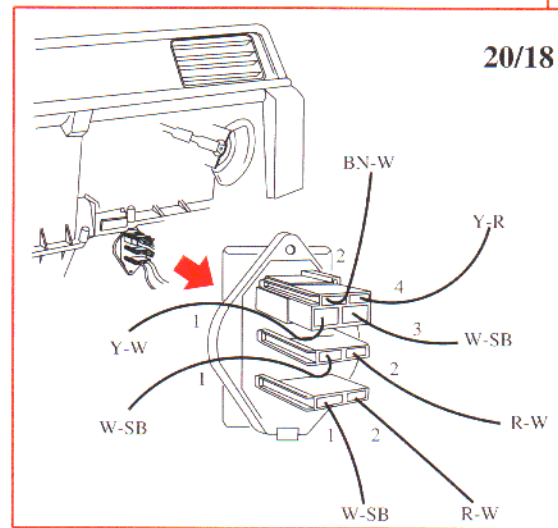
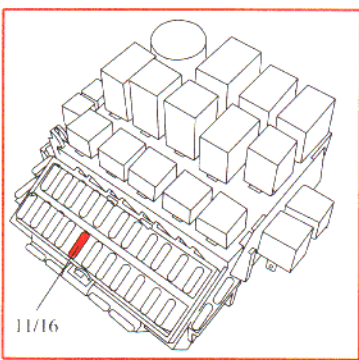
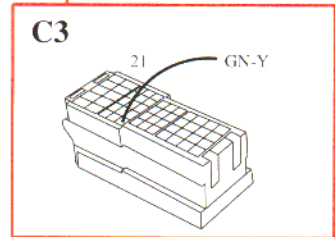
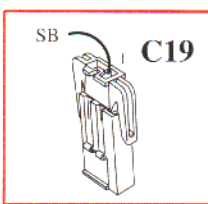
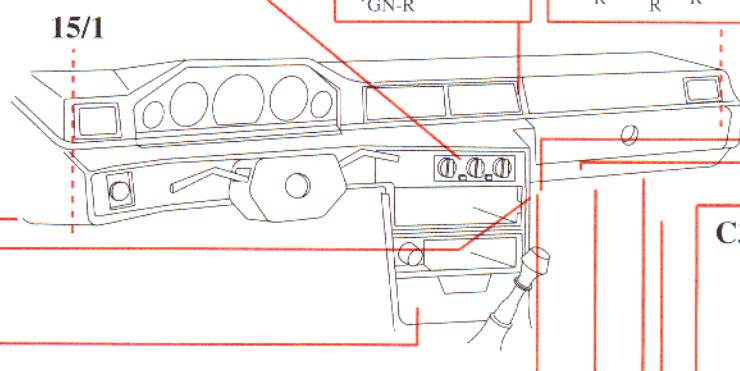
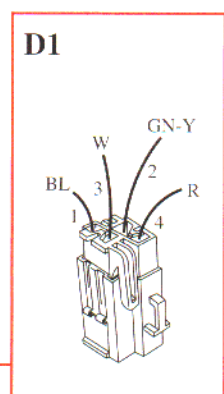
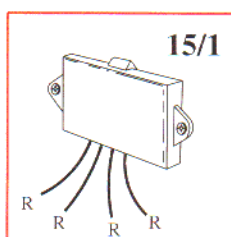
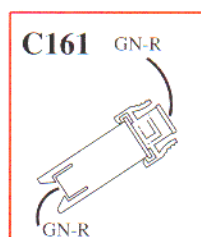
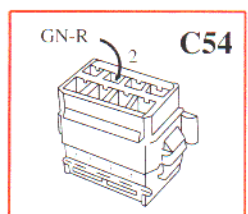
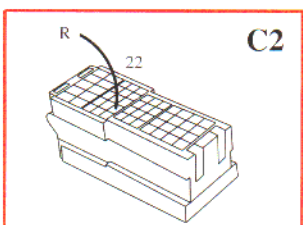
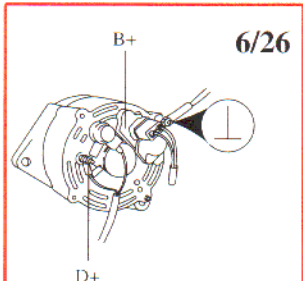
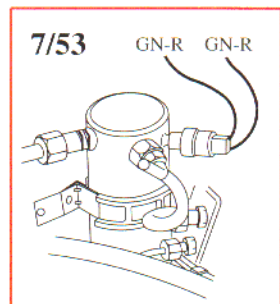
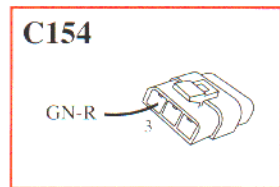
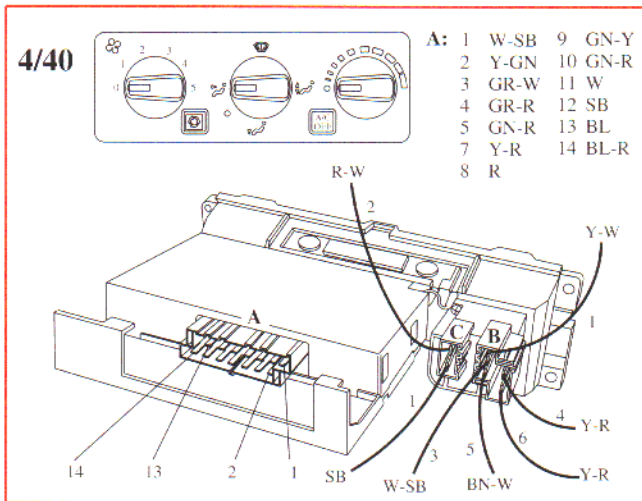
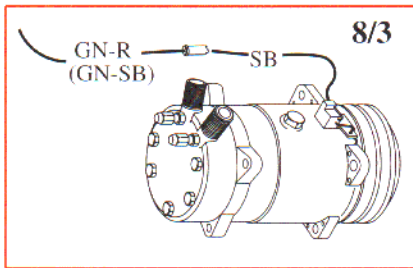


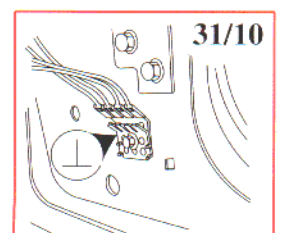
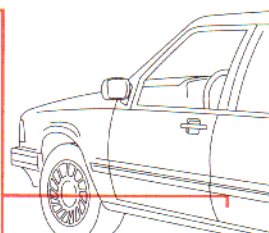
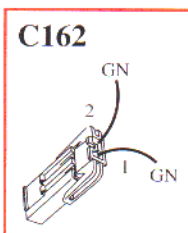
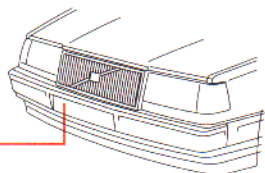
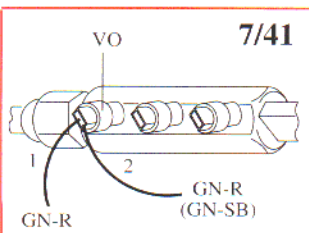
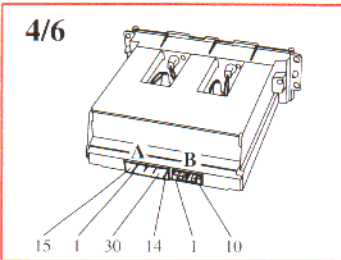
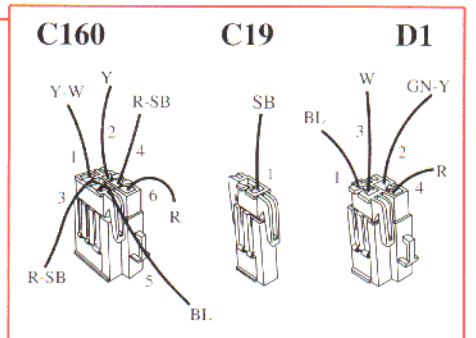
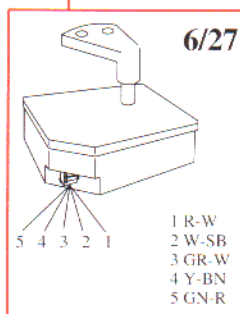
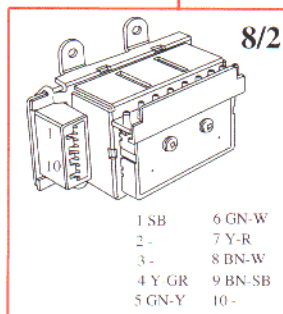
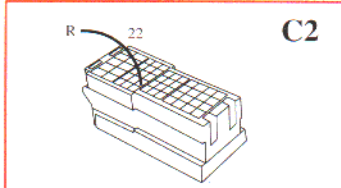
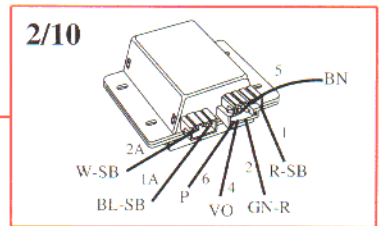
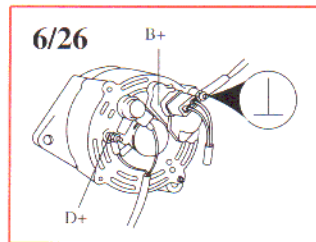
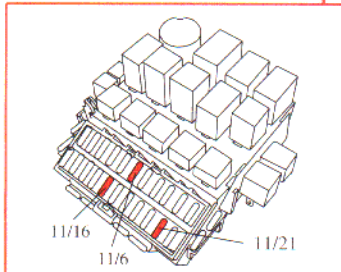
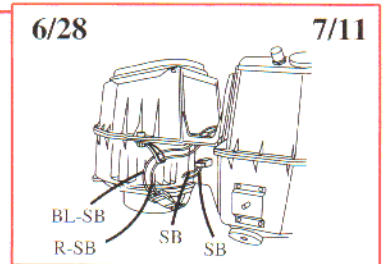
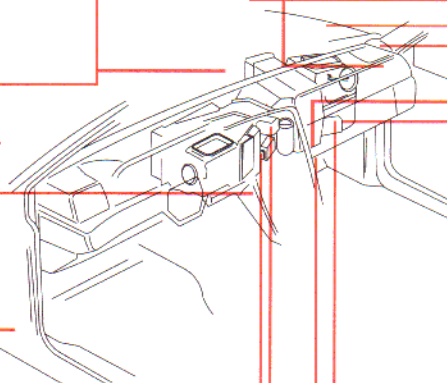
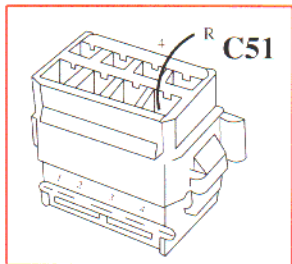
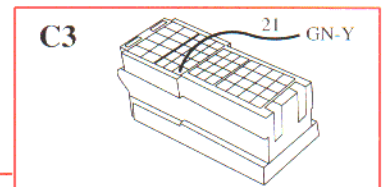
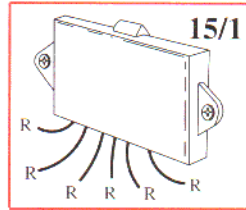
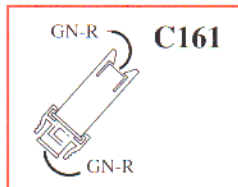
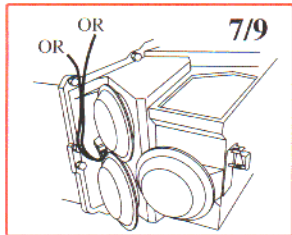
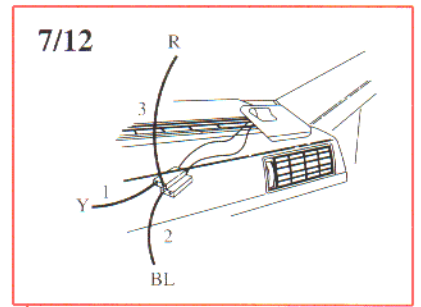
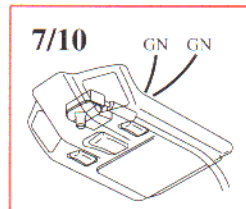
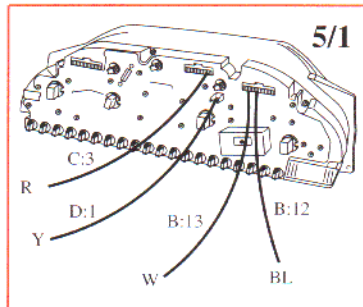
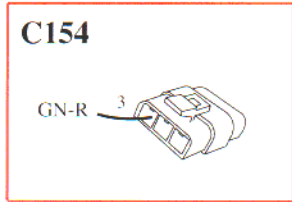
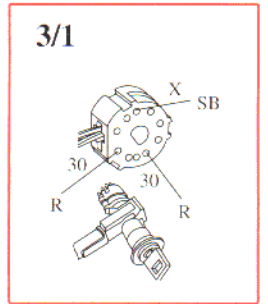
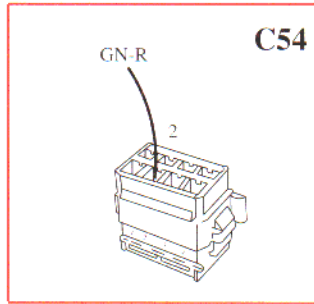
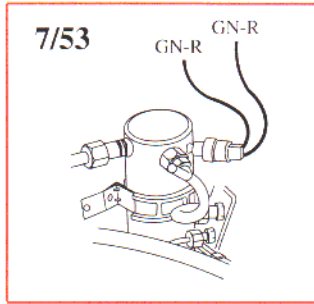
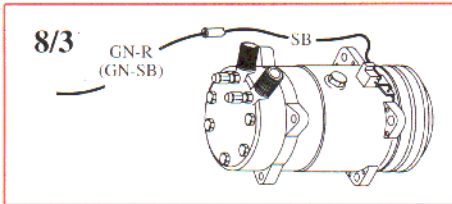


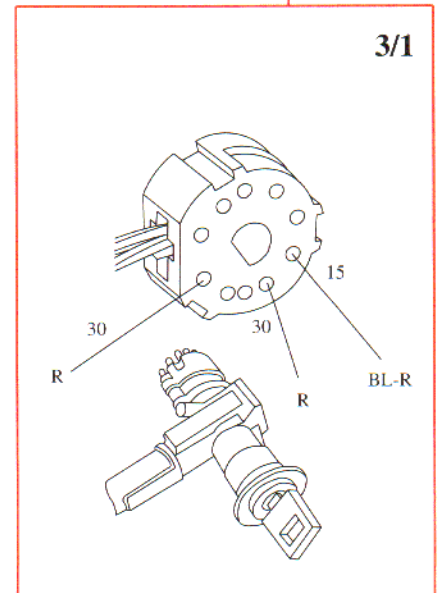
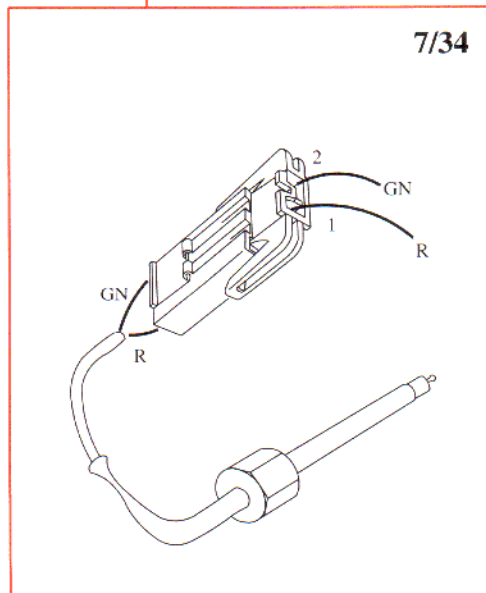
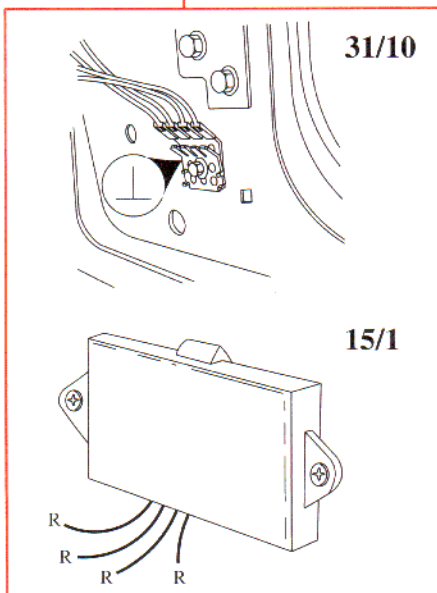
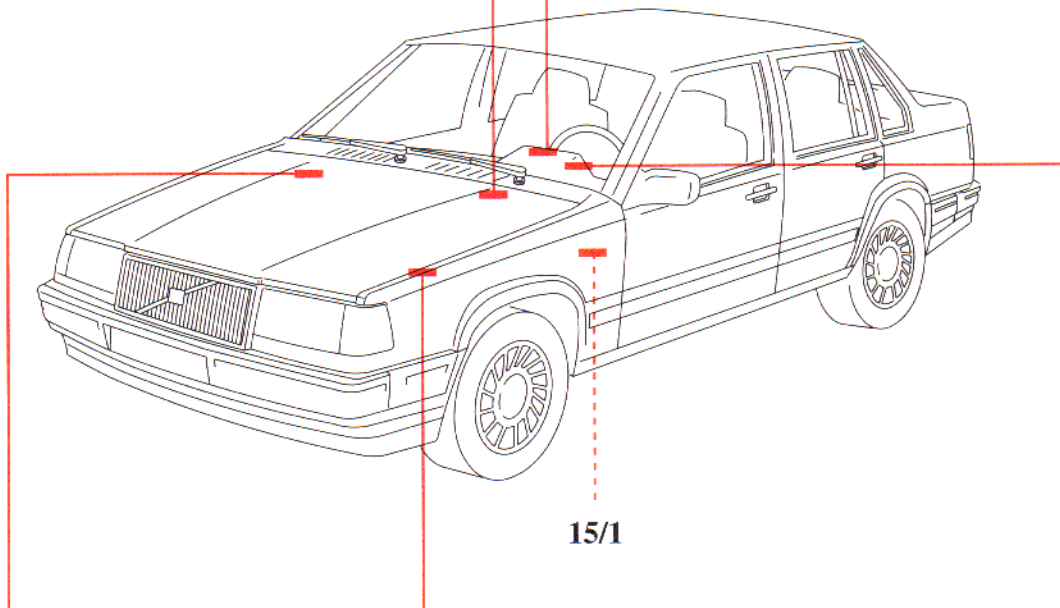
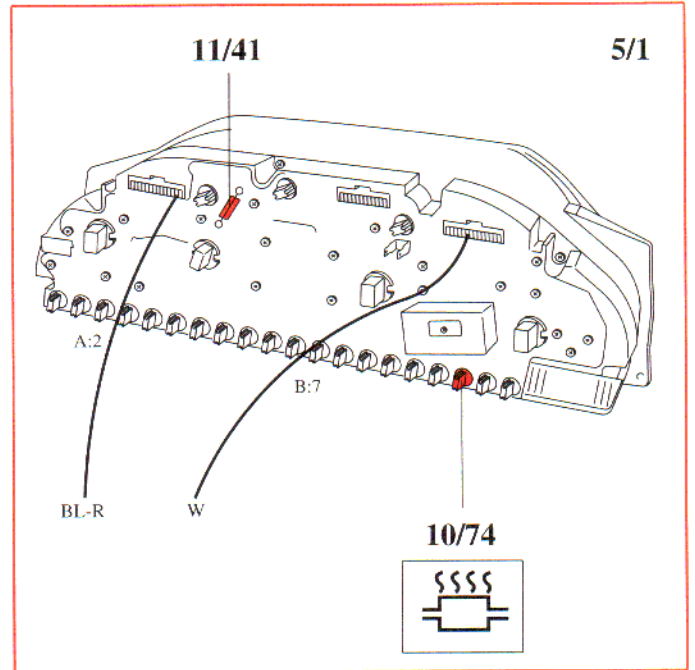
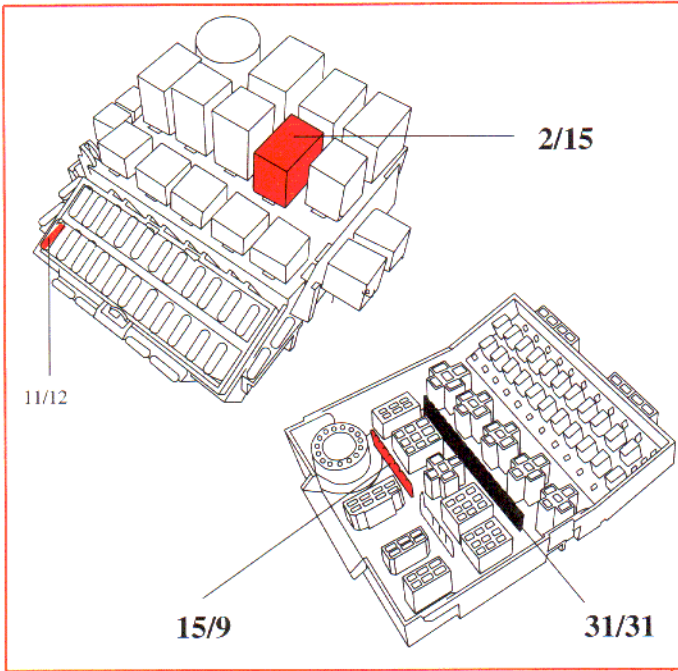


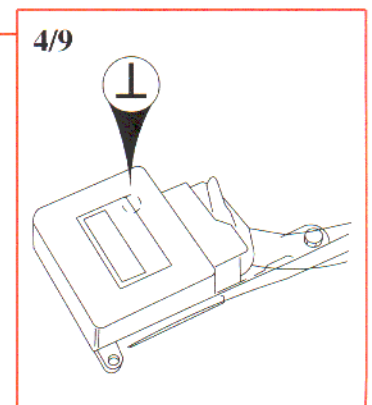
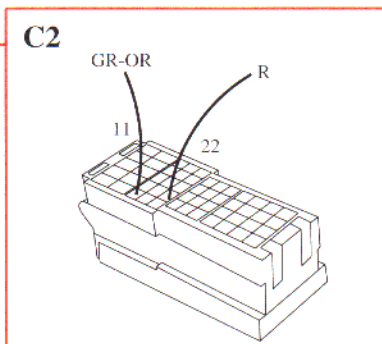
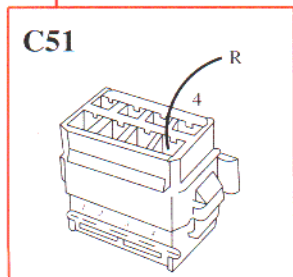
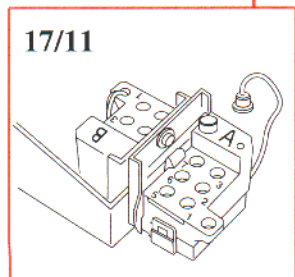
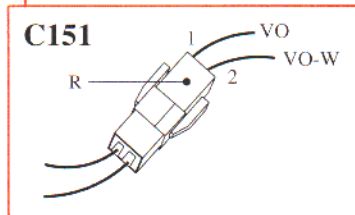
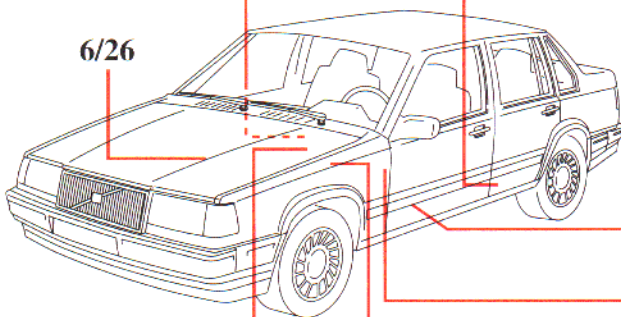
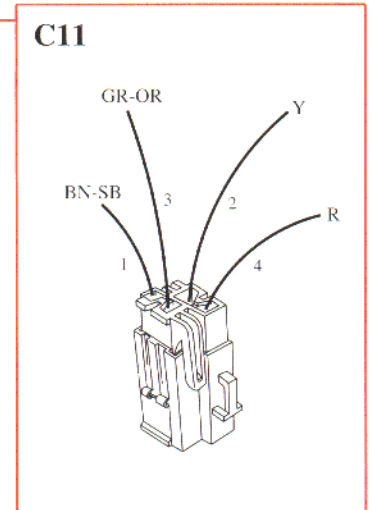
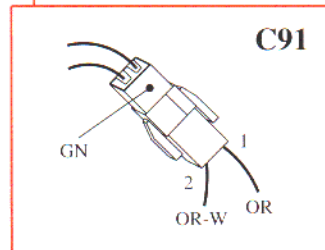
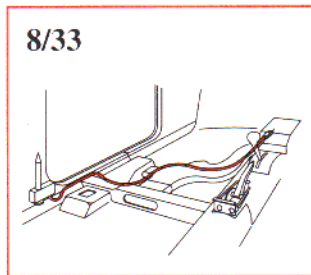
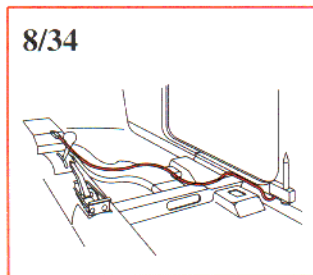
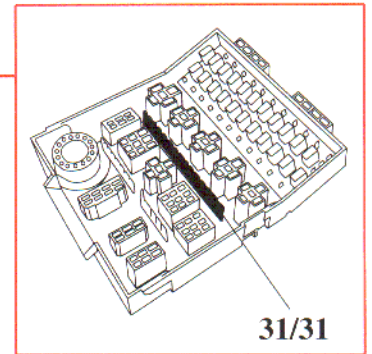
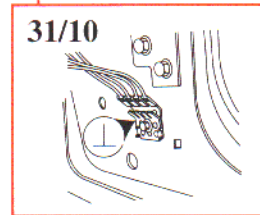
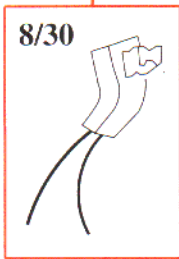
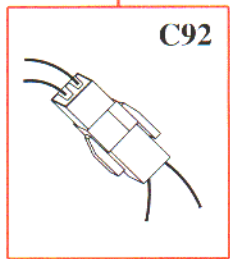
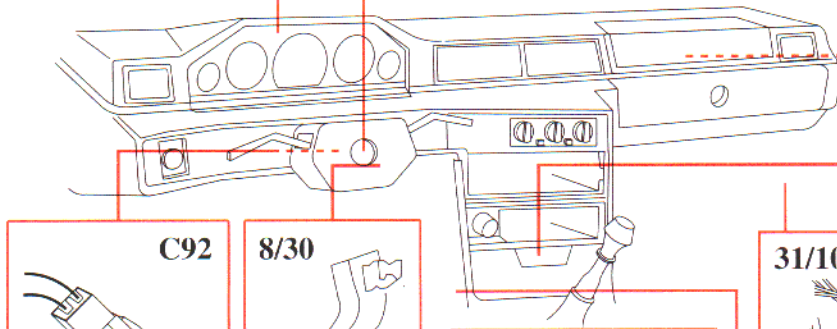
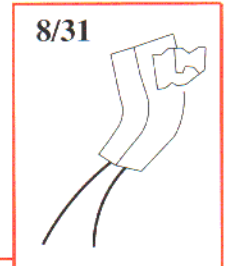
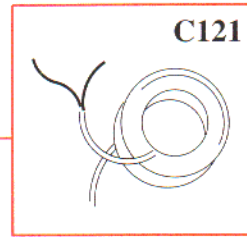
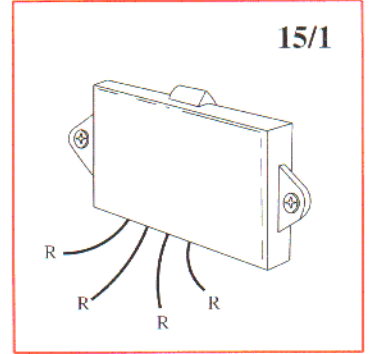
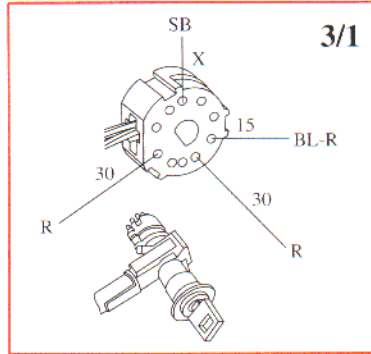
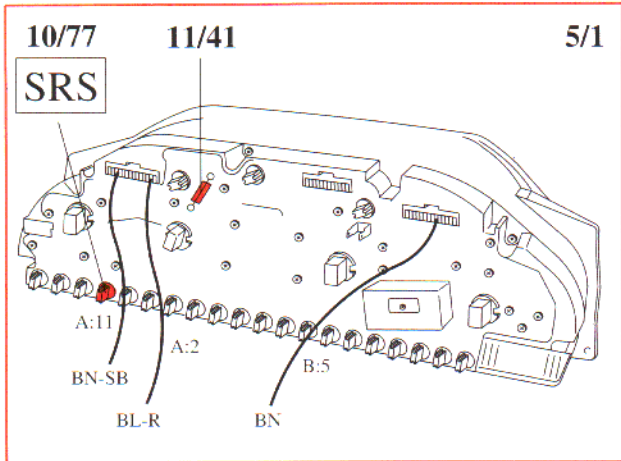
Power seat

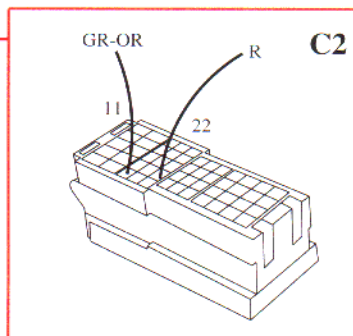
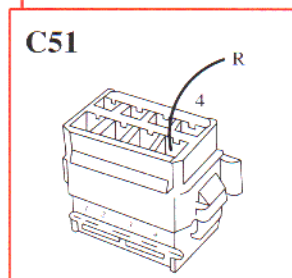
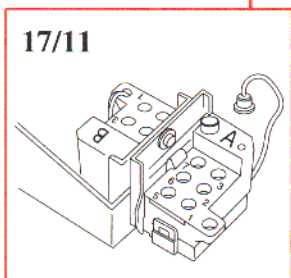
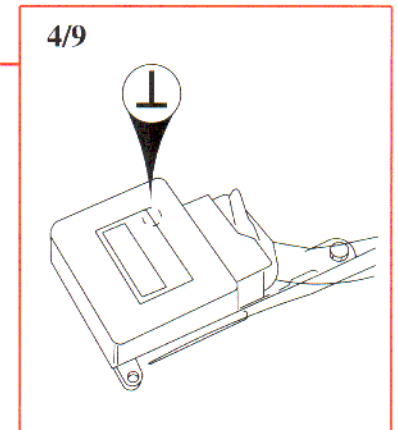
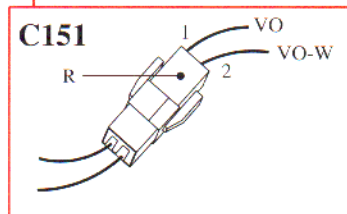
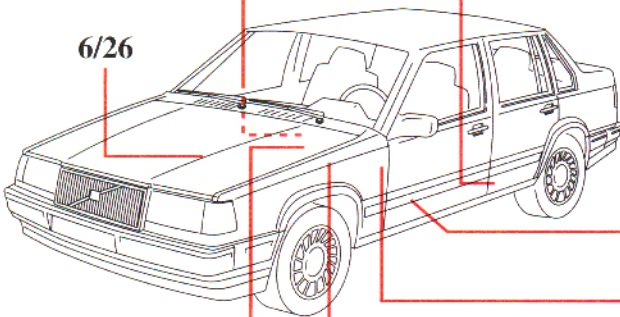
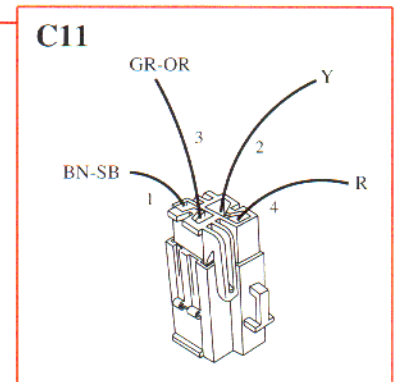
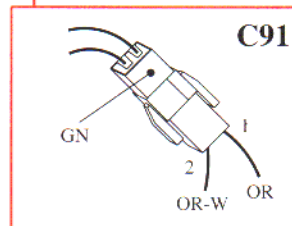
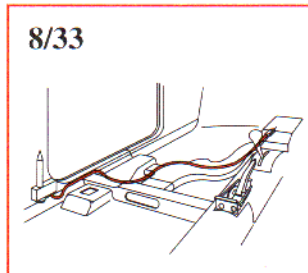
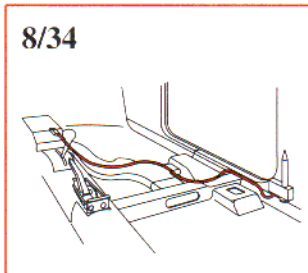
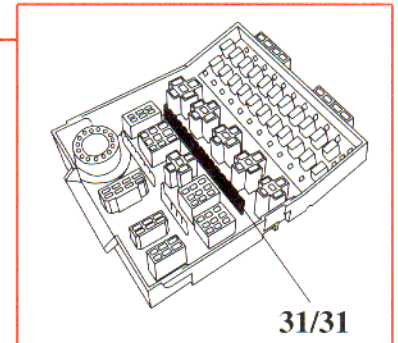
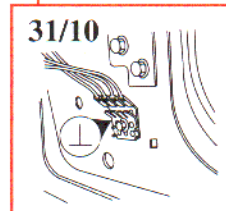
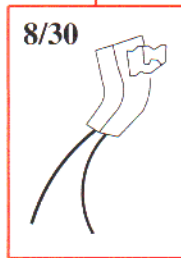
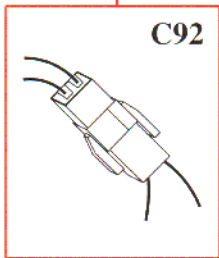
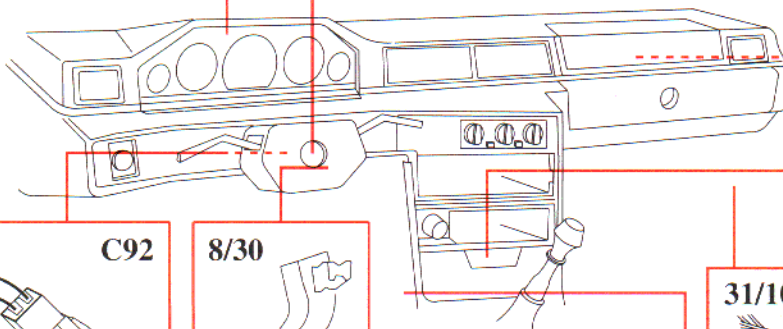
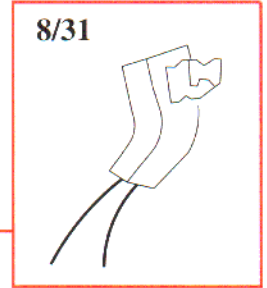
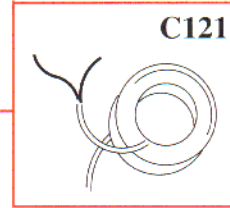
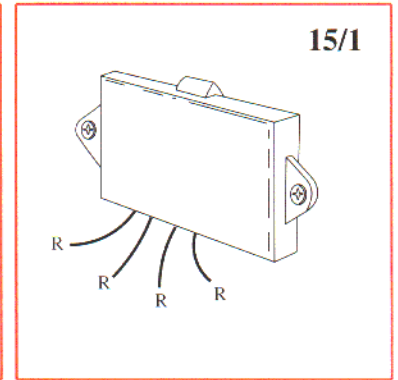
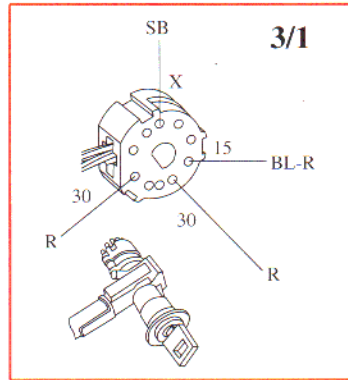
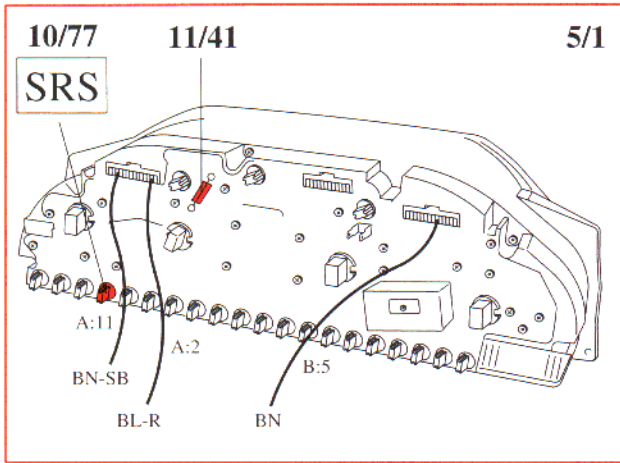




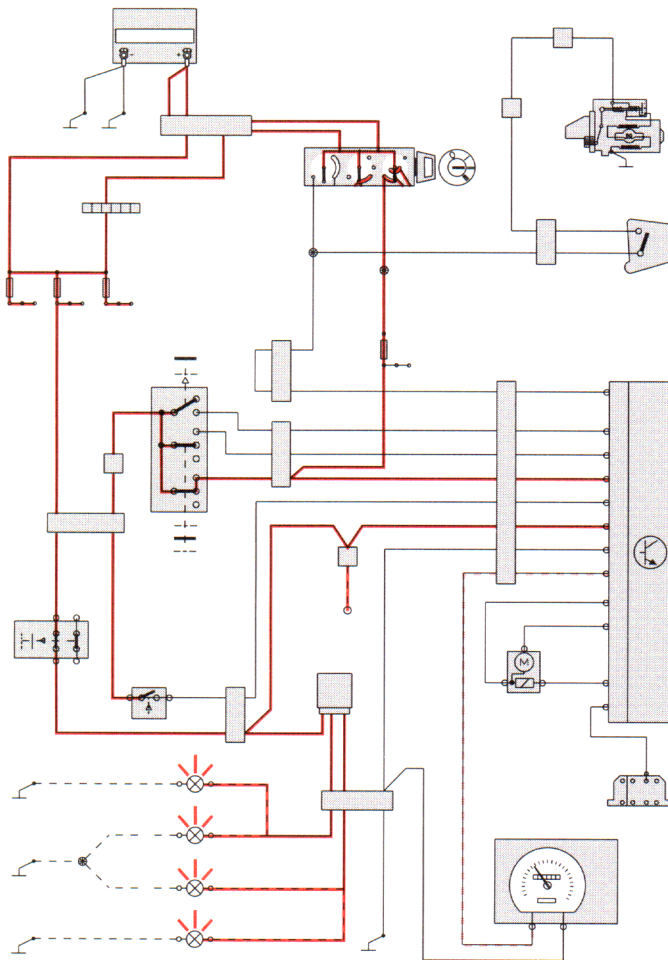








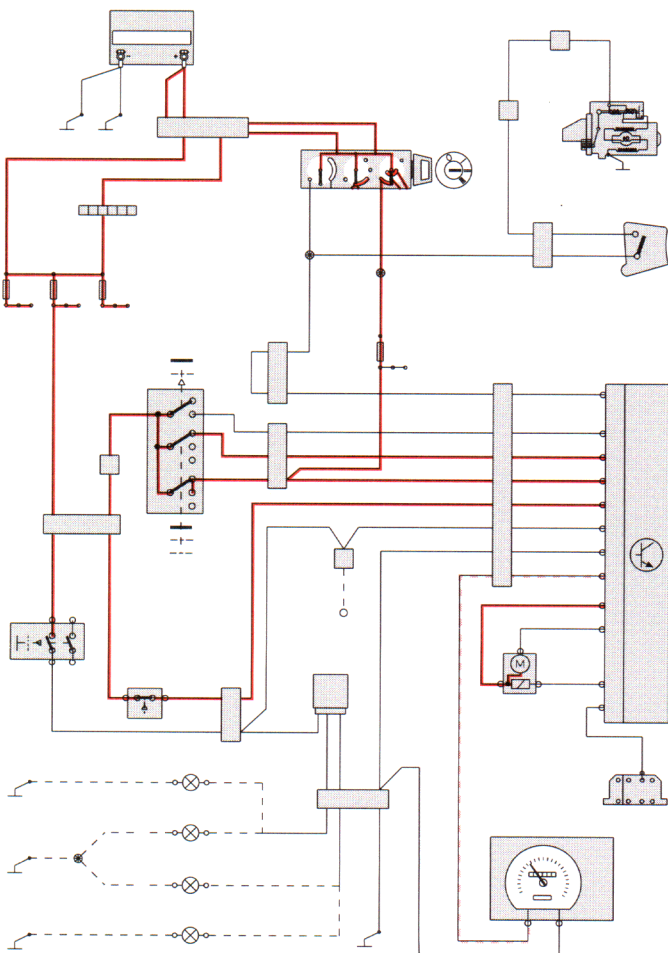
Cruise control Schematic presentation



Braking

Switch set to ON.
Brake pedal pressed down.

The brake valve breaks the supply of voltage to connection 3 and the brake light switch closes, diverting battery voltage to connection 7. This disengages the cruise control.



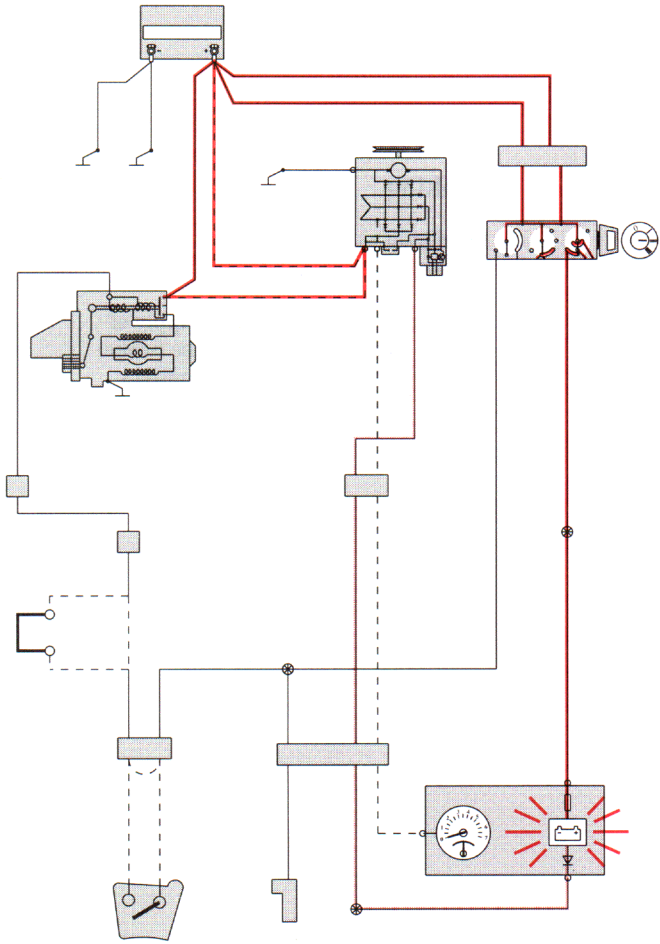
Resuming set speed

Switch set to RESUME.

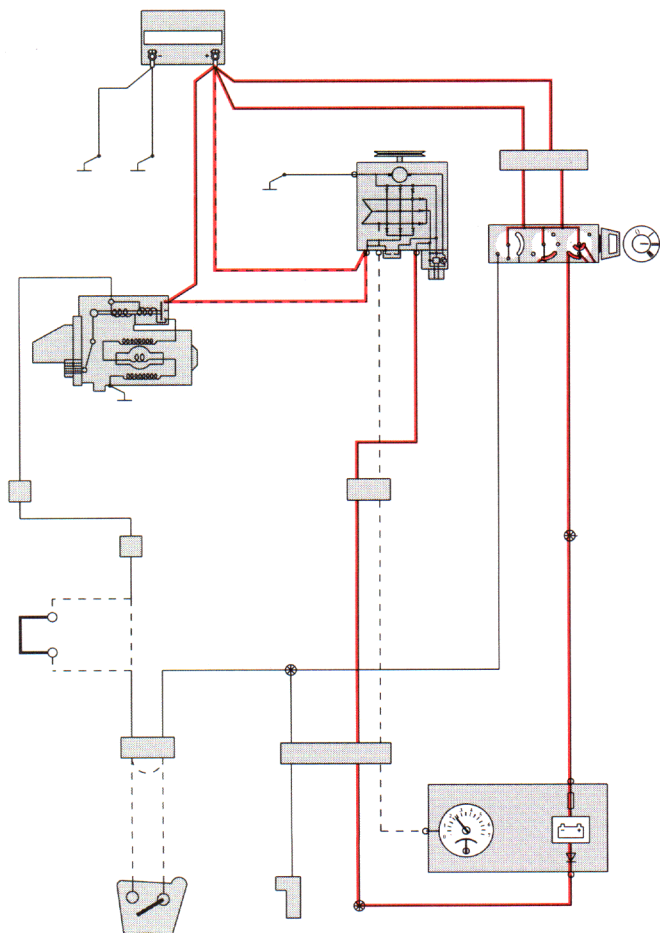
The car resumes its previously set speed.

Power supply

Schematic presentation

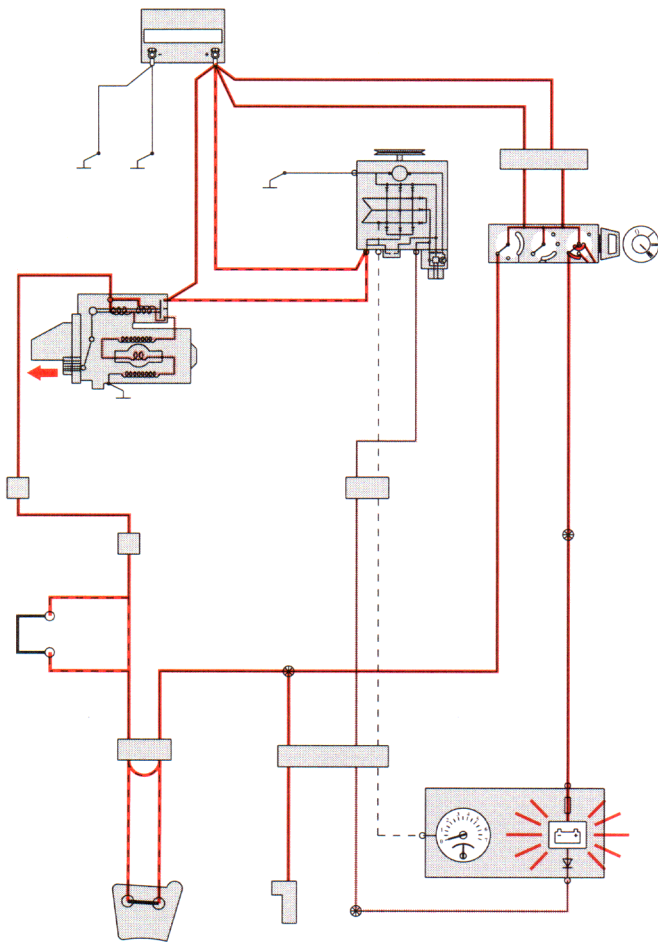


Ignition switched ON
(engine not running)



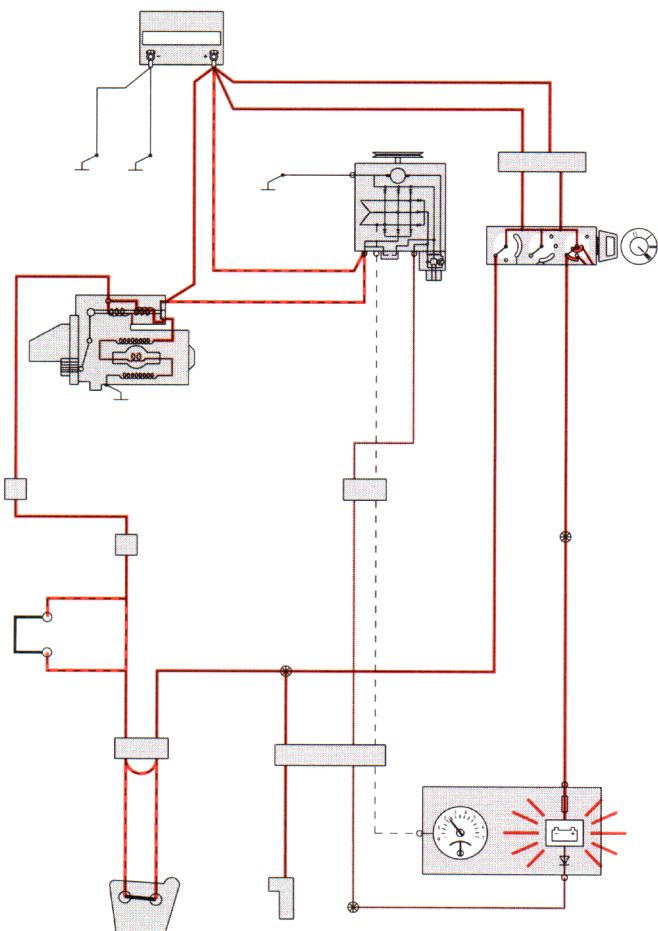
Engine running
Generator charging

Starter system Schematic presentation



Control solenoid engages
pinion in ring gear

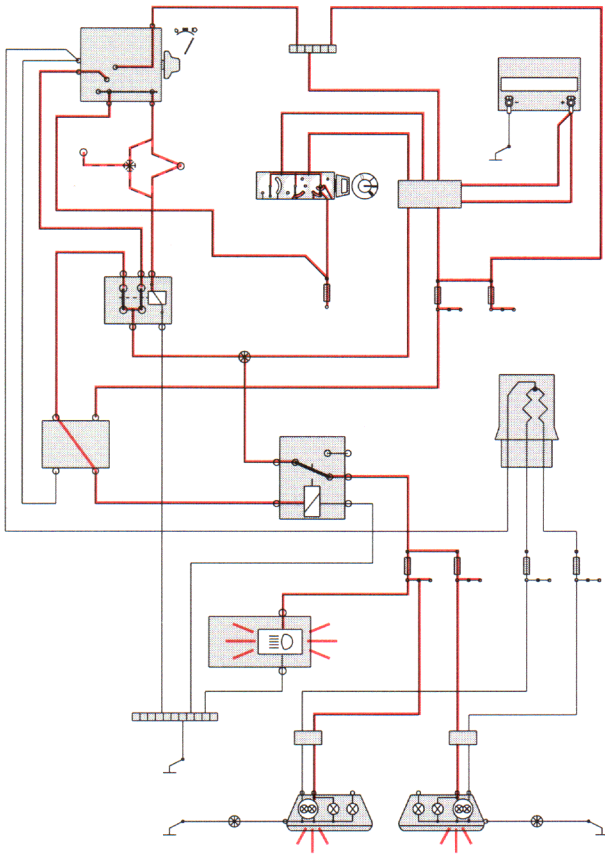
On vehicles with automatic transmission,
the start inhibit switch, 3/40, must be closed
for the starter motor to be energized



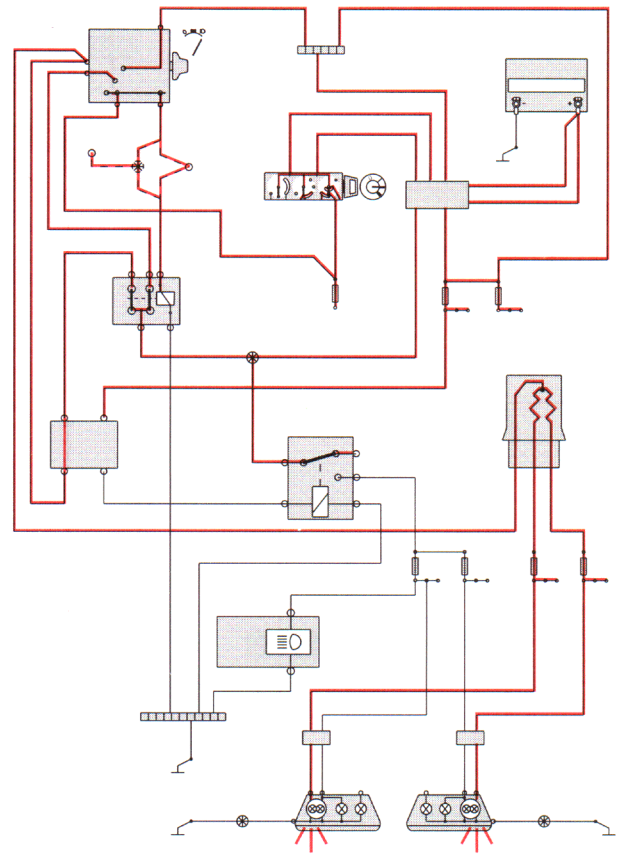
Pinion engaged, connections closed
and starter motor operates

High and low beam Schematic presentation

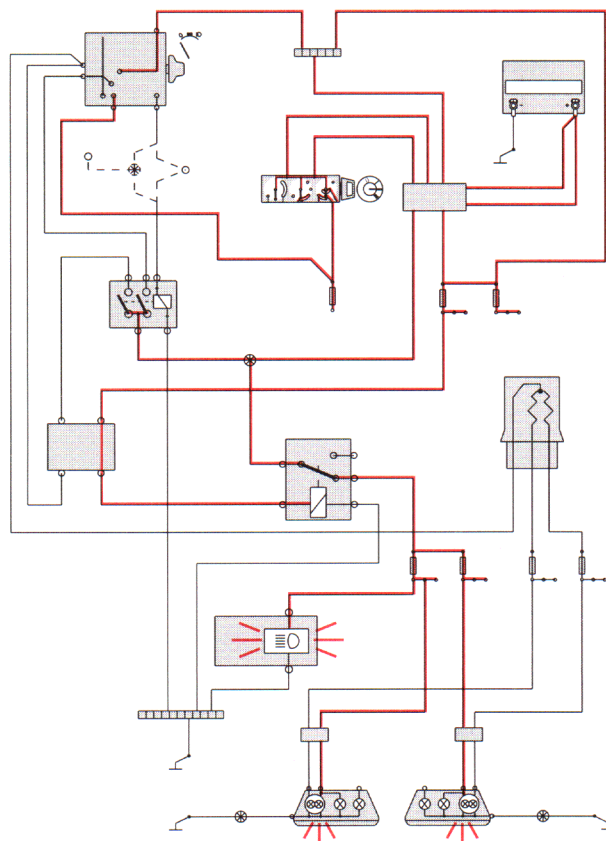
High beam



Low beam

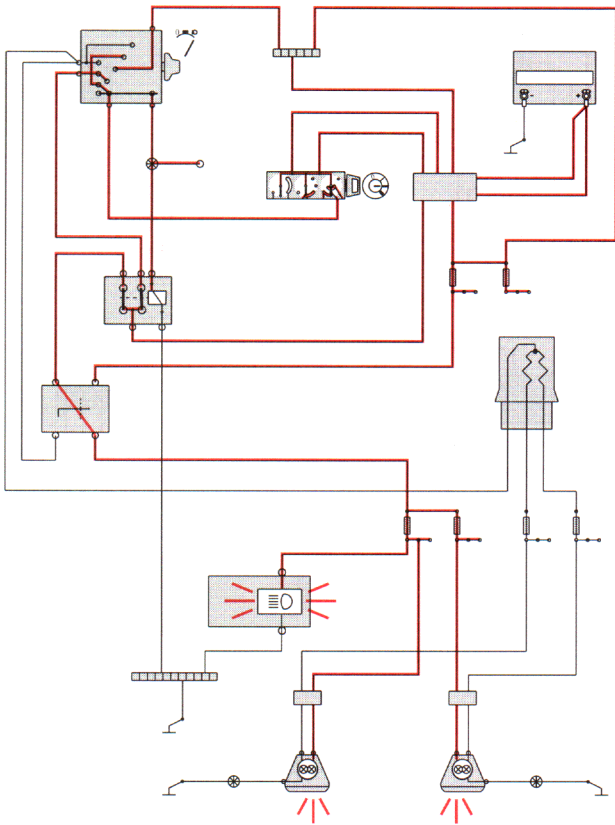


High (main) beam flash (signal)

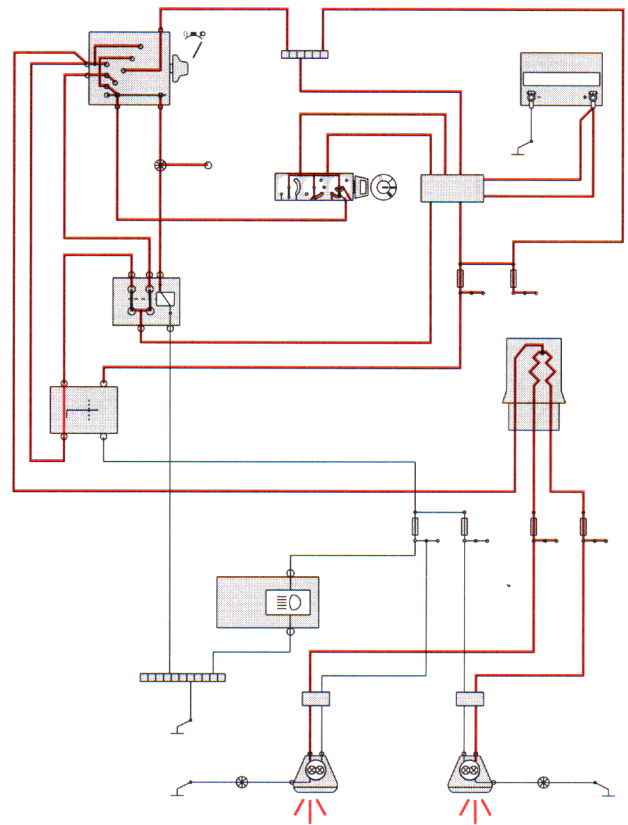


High and low beam, Canada Schematic presentation

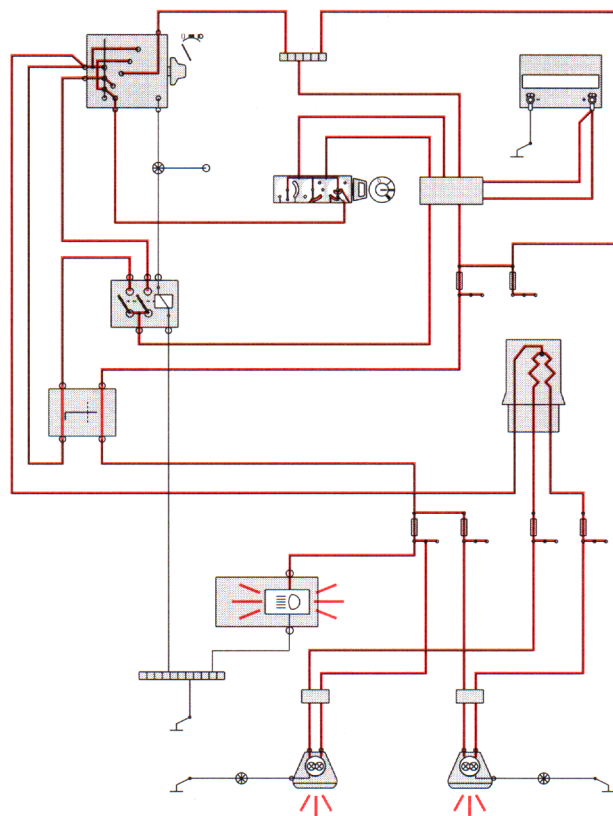
High beam



Low beam

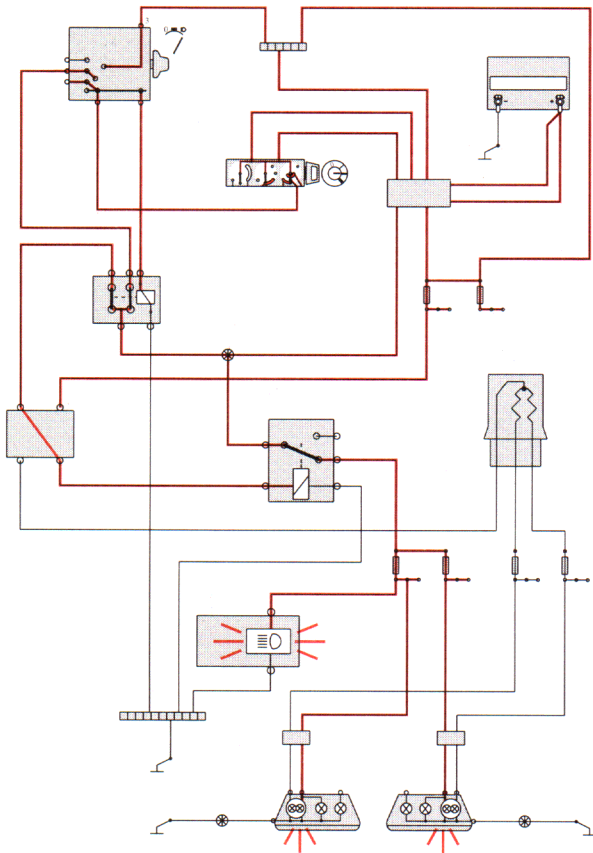


High (main) beam flash (signal)

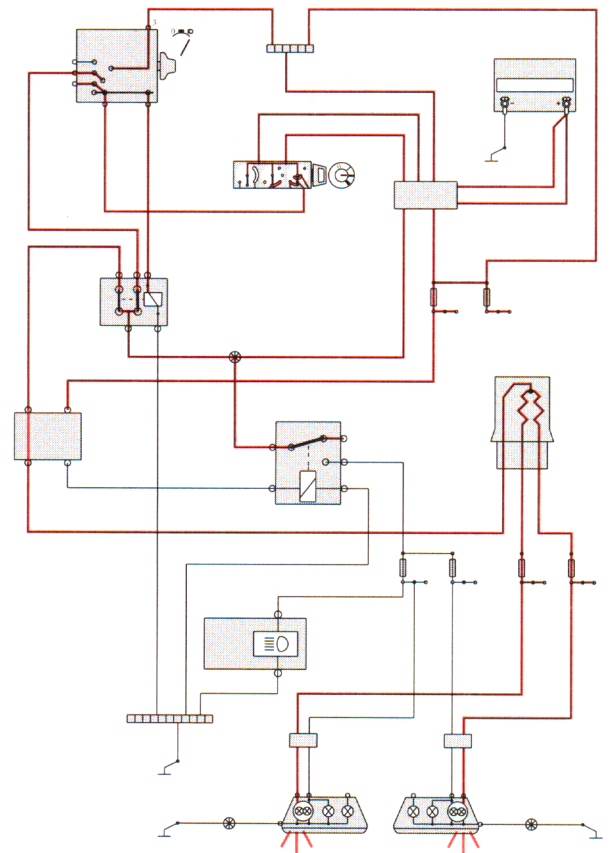


High and low beam, Great Britain Schematic presentation

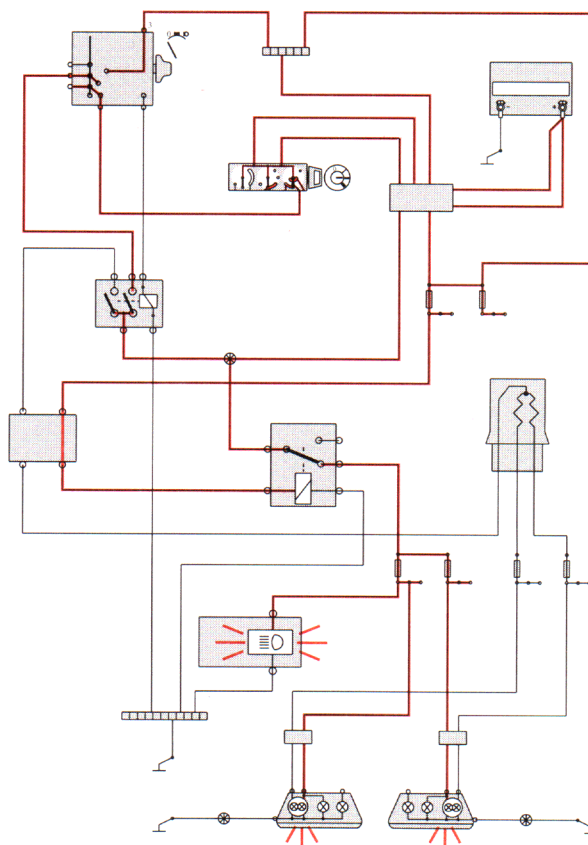
High beam



Low beam

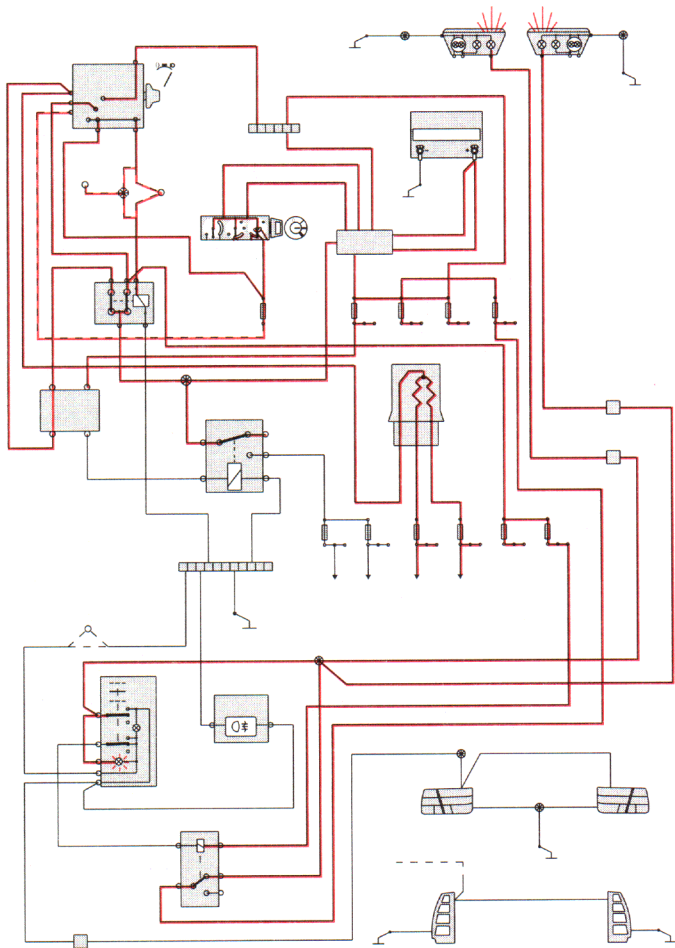


High (main) beam flash (signal)

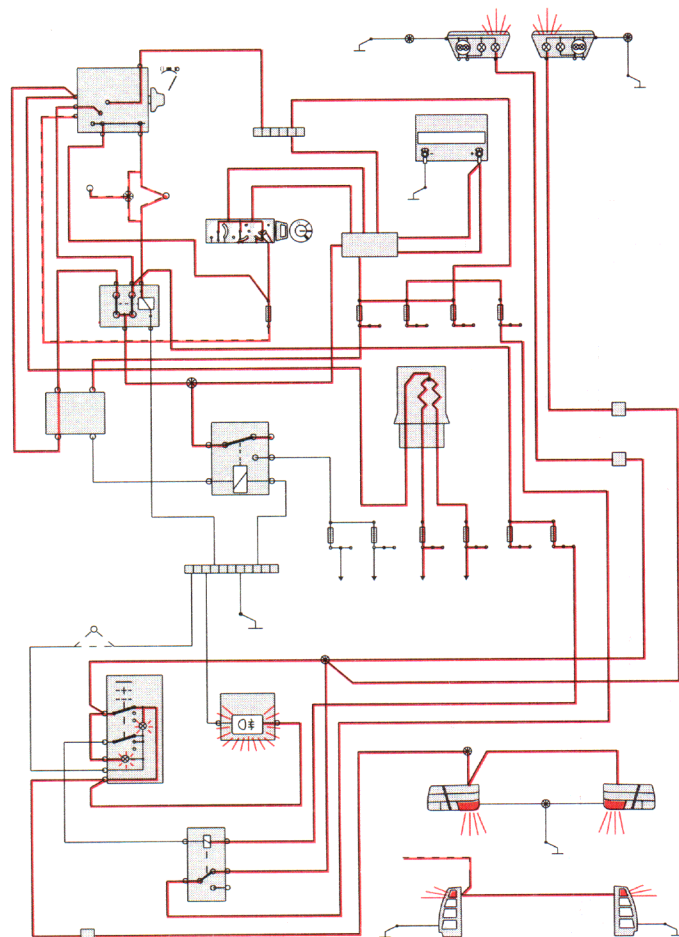


Foglights

Schematic presentation

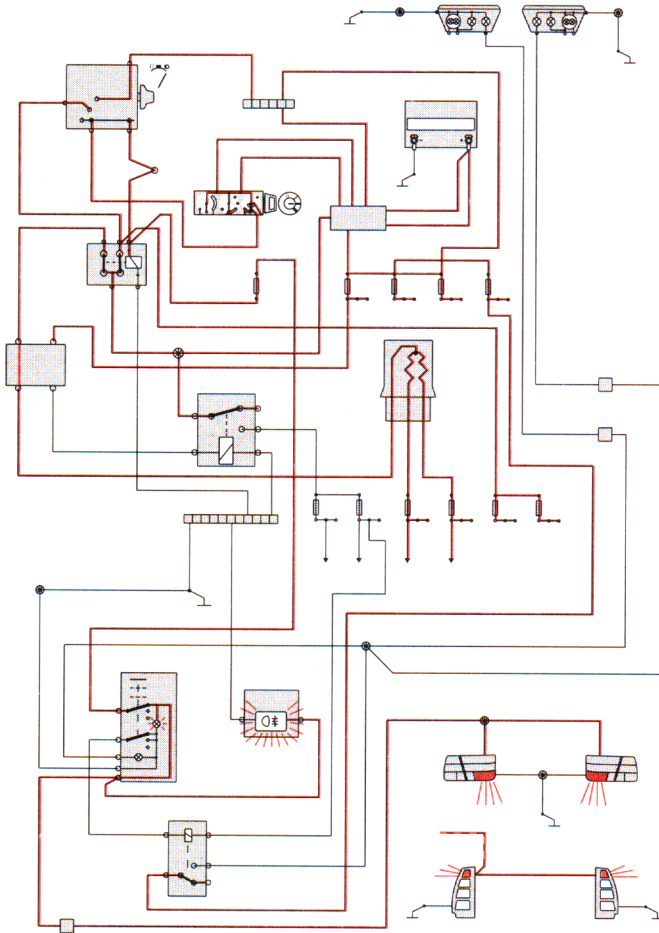


Switch, 3/5, for High (main)/low beam in position low beam and only front fog lights turned on.

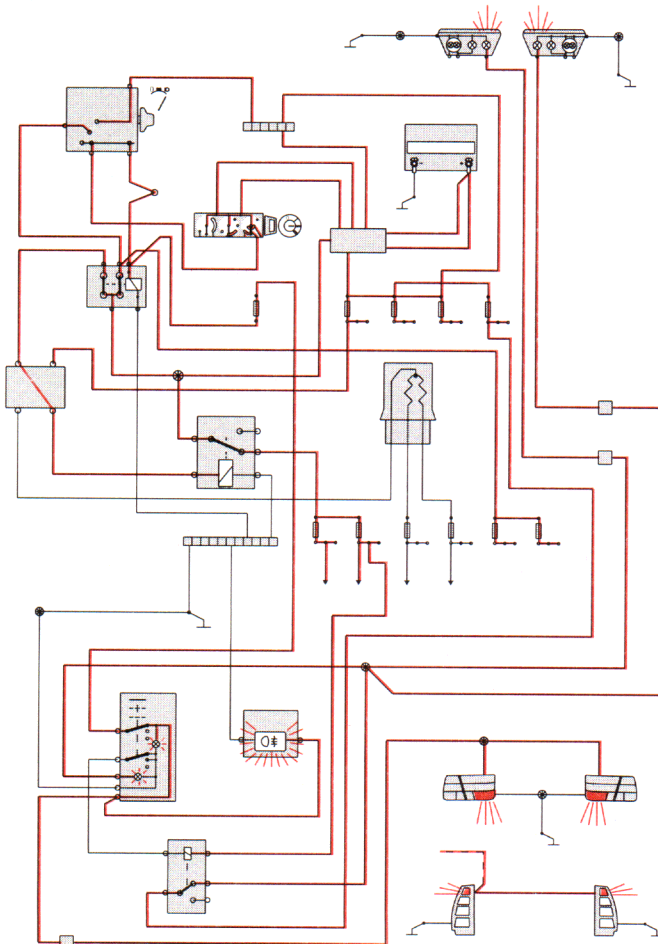


Switch, high/low beam 3/5 in low-beam position and with both front and rear foglights on

Foglights Japan Schematic presentation



Switch, 3/5, for High (main)/low beam in position low beam and front fog lights and rear fog lights turned on. Only rear foglamp lights up.

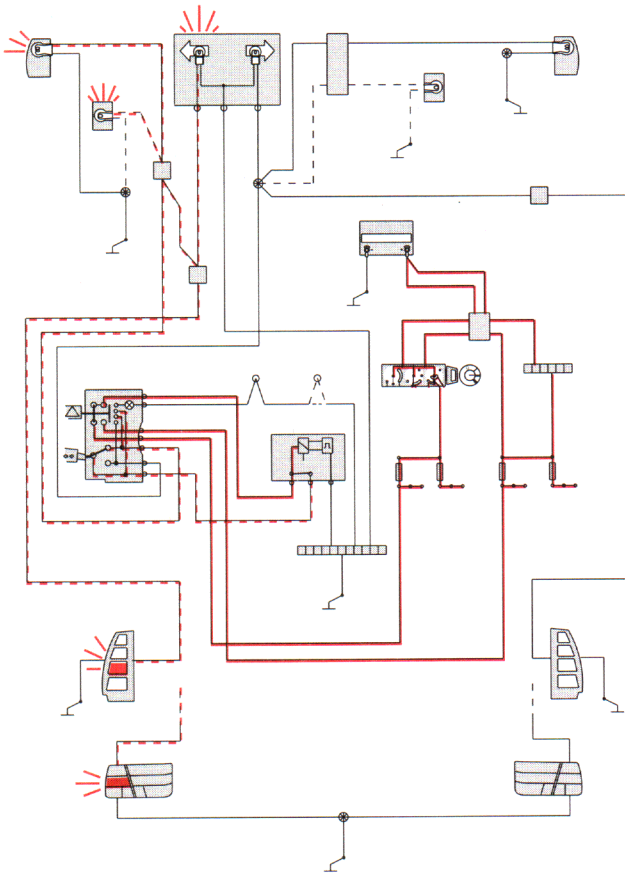


Switch, 3/5, for High (main)/low beam in position low beam and front fog lights and rear fog lights turned on. Both front and rear fog lamps light.

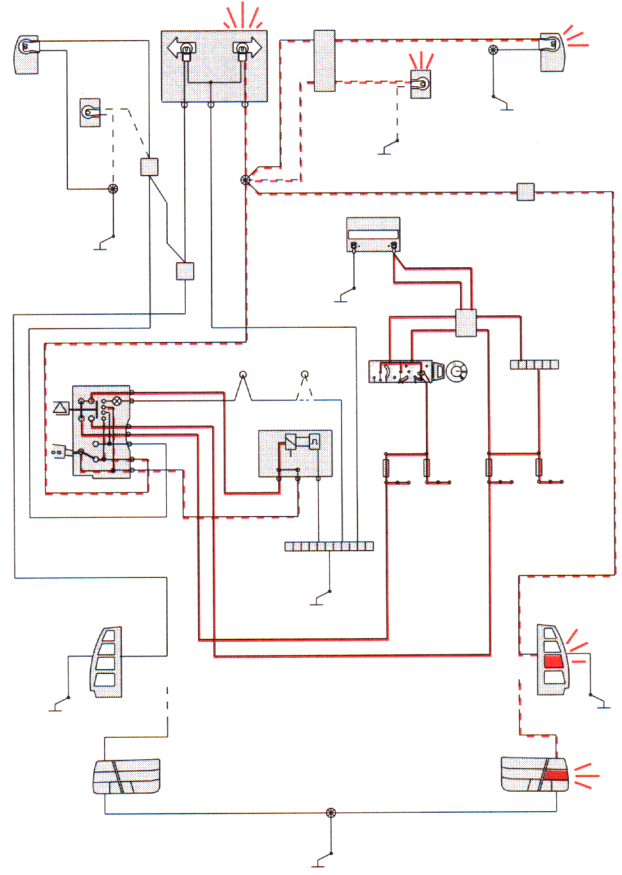
Turn signals and hazard warning flashers

Schematic presentation

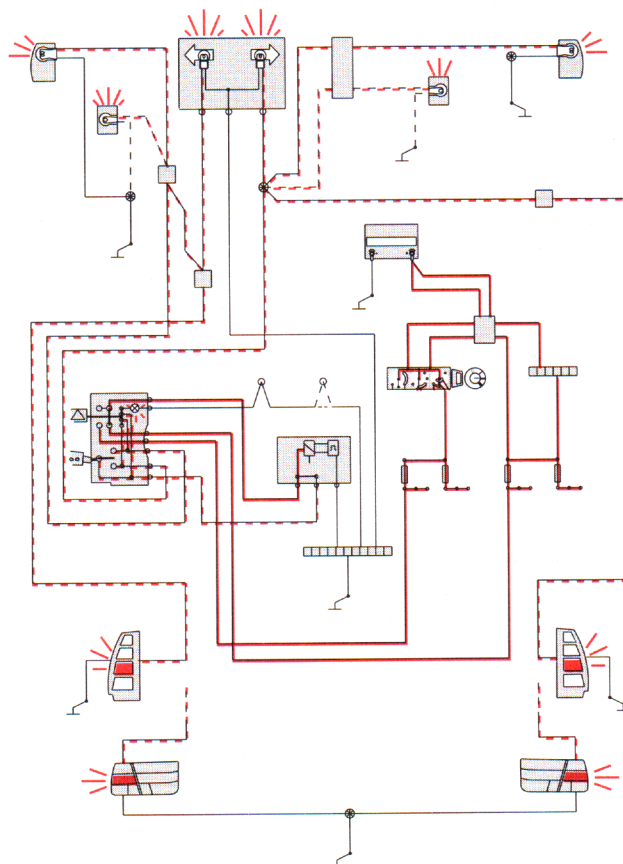
Left turn signal on



Right turn signal on

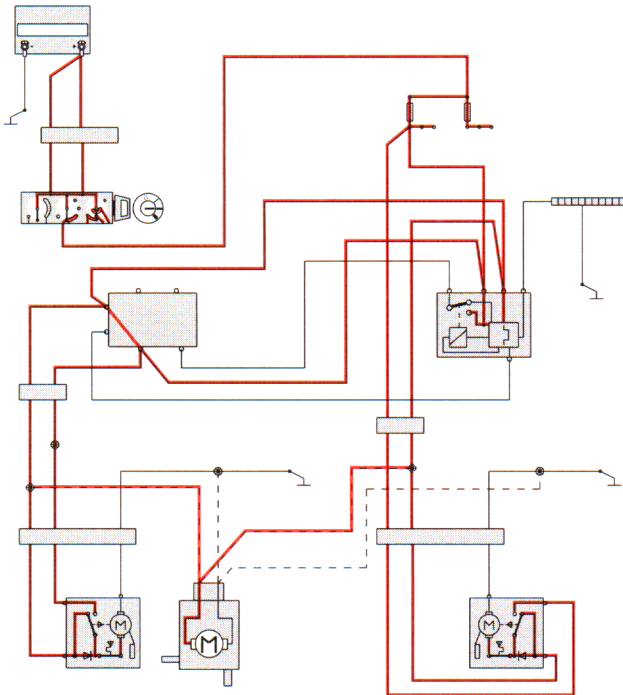


Hazard warning lights on

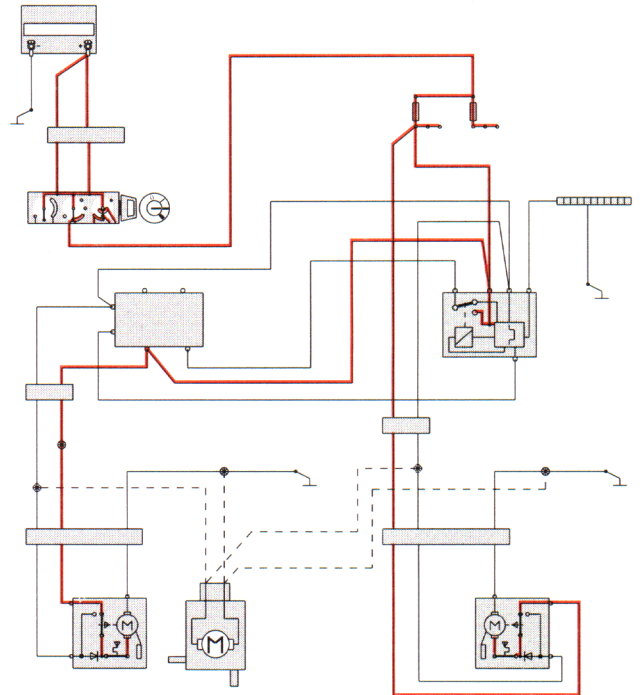


Headlight wash/wipe Schematic presentation

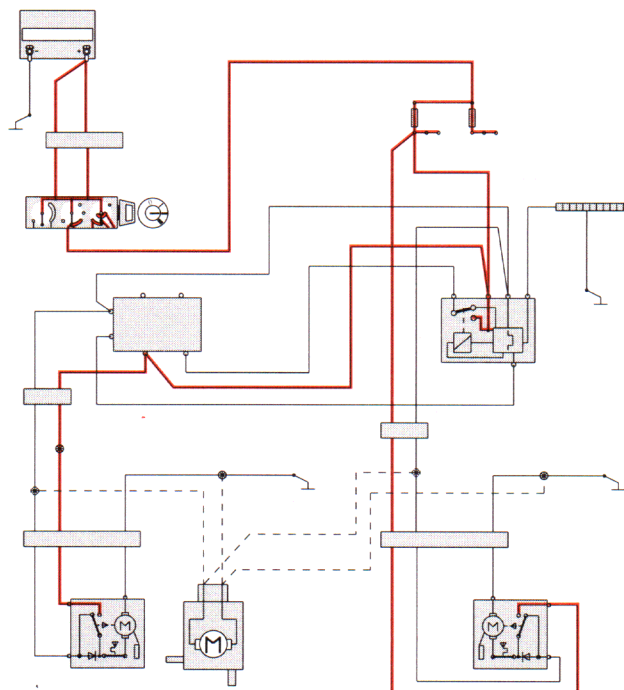
Headlight washers and wipers in use.
The wiper works 2-3 strokes after releasing lever.



The headlight wipers are active for parking cycle.



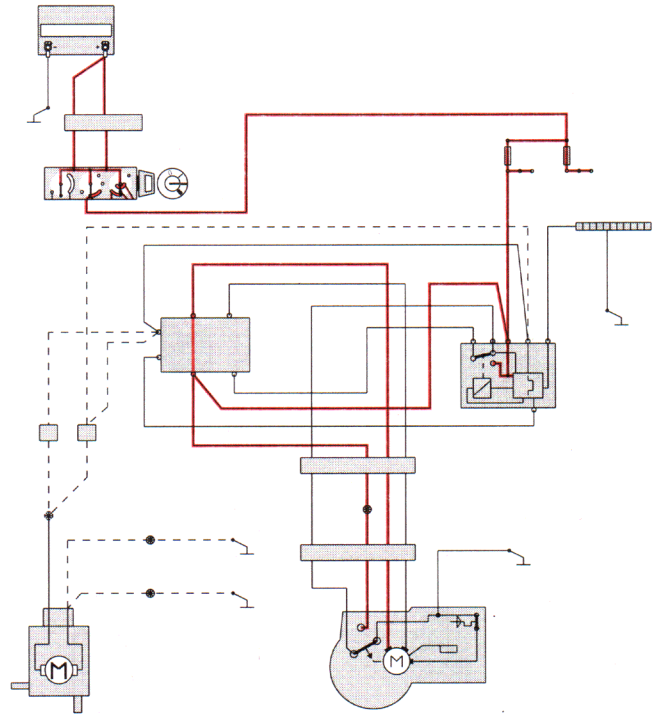
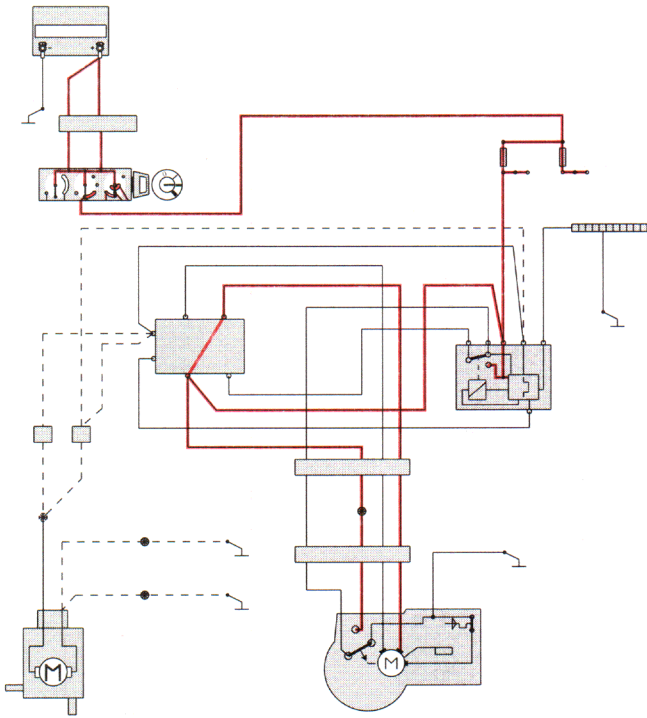
The headlight wipers in the parked position.



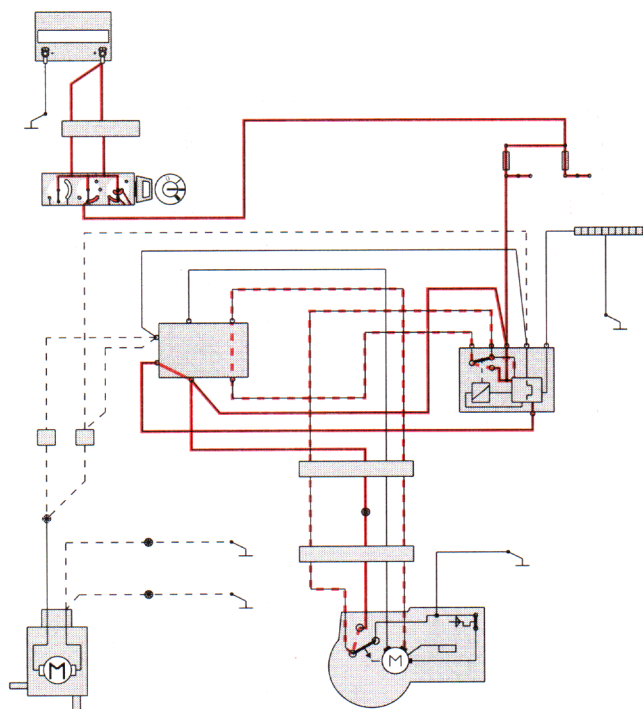
Windshield wash/wipe Schematic presentation

Windshield wipers at normal speed.

Windshield wipers at max. speed.



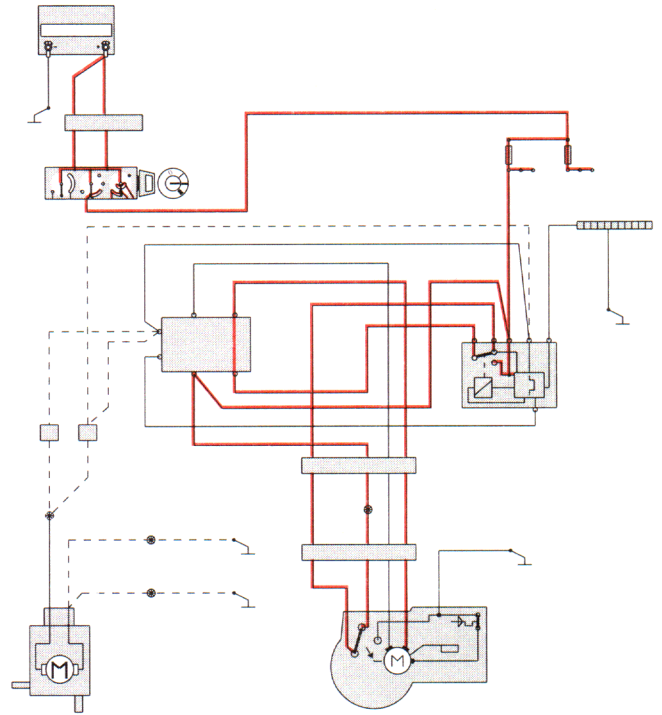
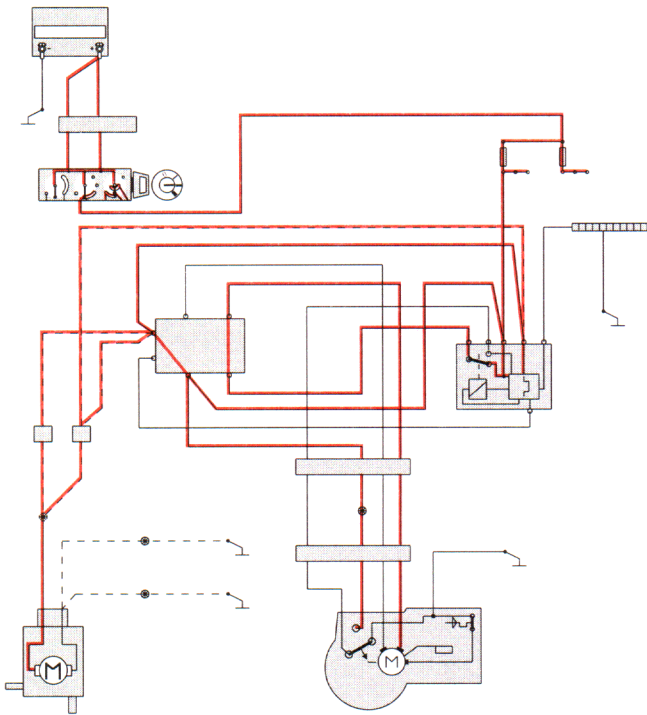
Windshield wipers at intermittent wipe.



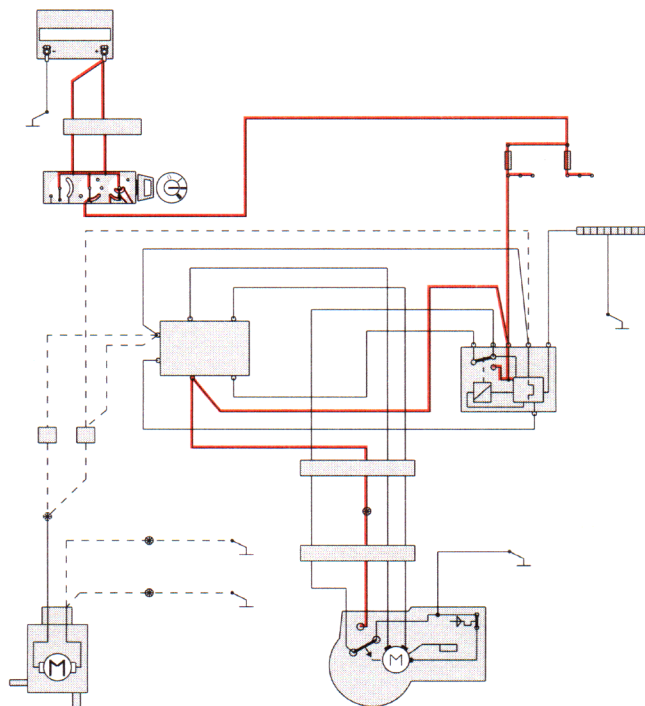
Windshield wash/wipe Schematic presentation

Windshield wash/wipe turned on.
Wiper continues 2-3 strokes after releasing
the lever.

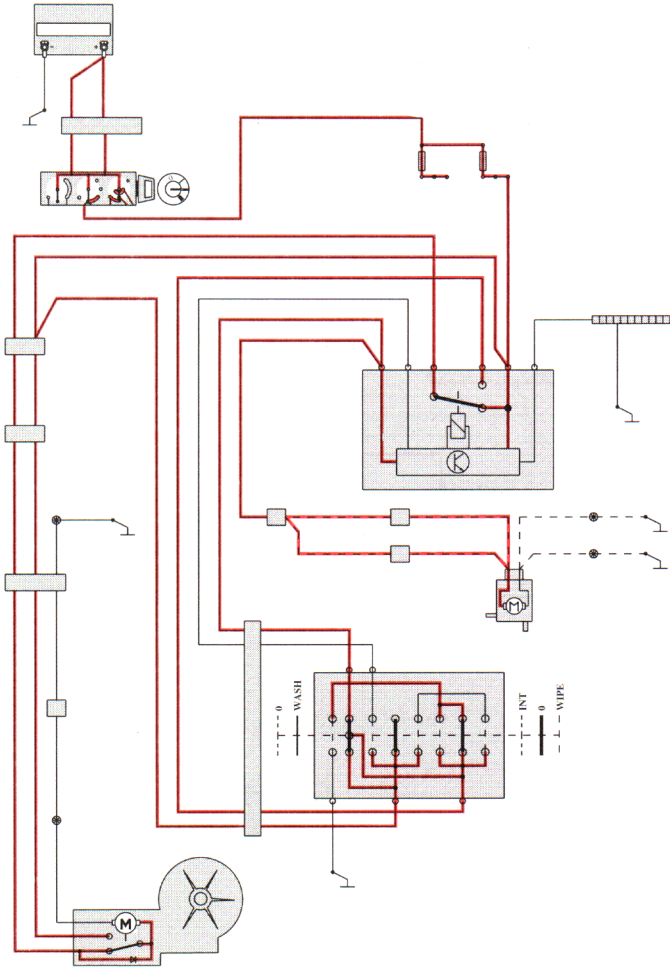
The windshield wiper enters the wiper parking cycle.



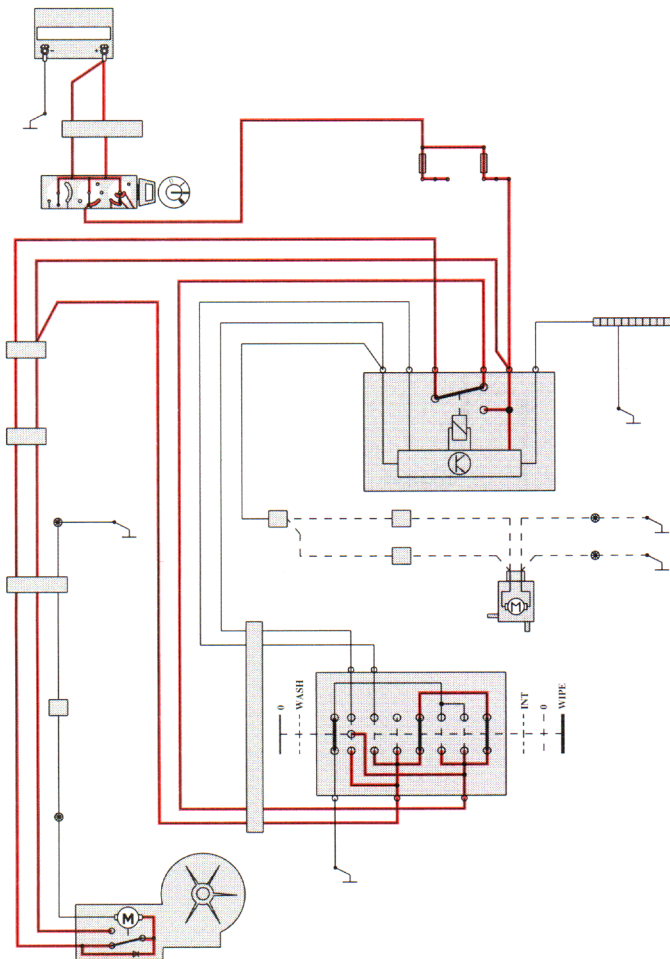
Windshield wiper in the parked position.



Tailgate wash/wipe Schematic presentation

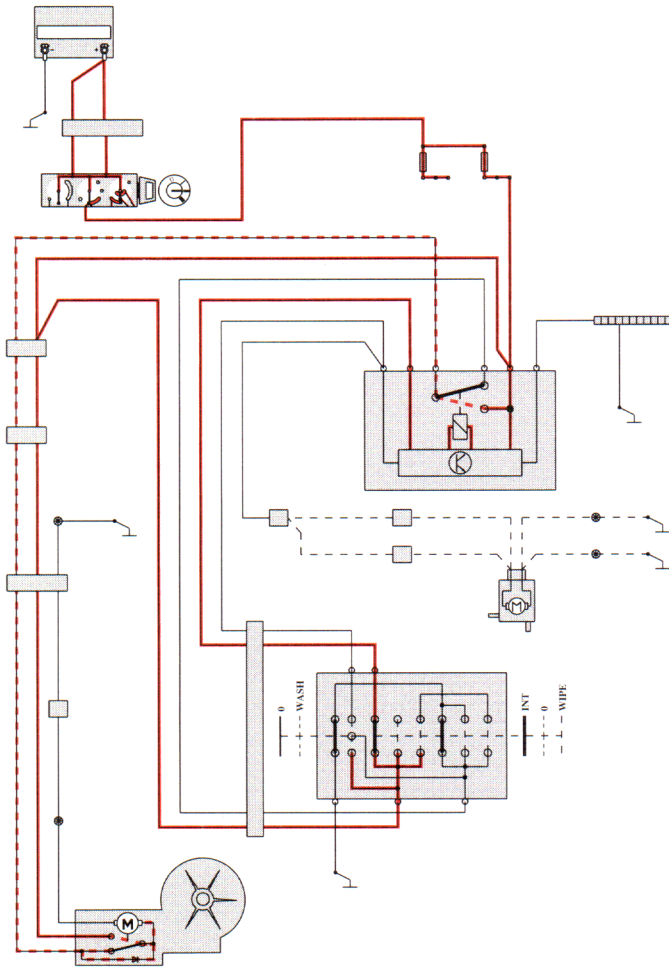


Tailgate wash/wipe turned on.
Wiper continues 2-3 strokes after releasing the button.

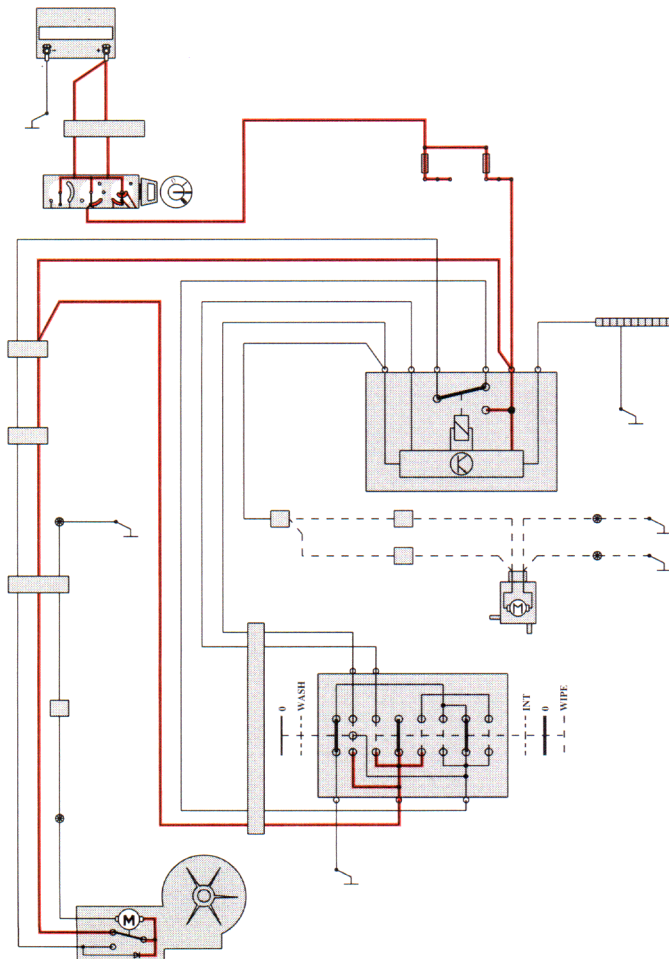


The tailgate wiper is turned on.

Tailgate wash/wipe Schematic presentation



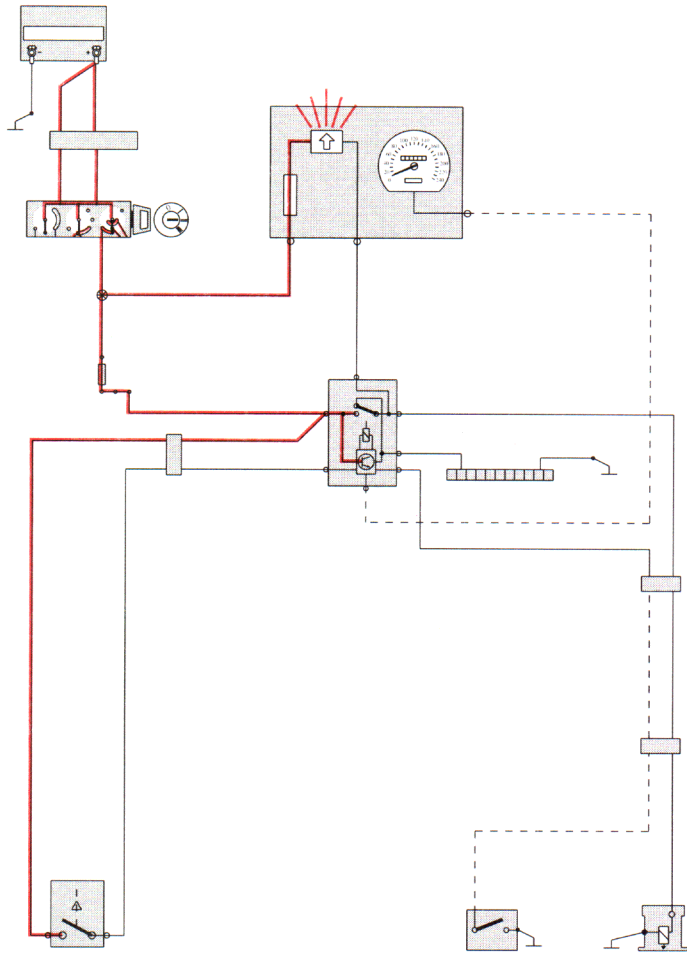
The tailgate wiper in intermittent mode.



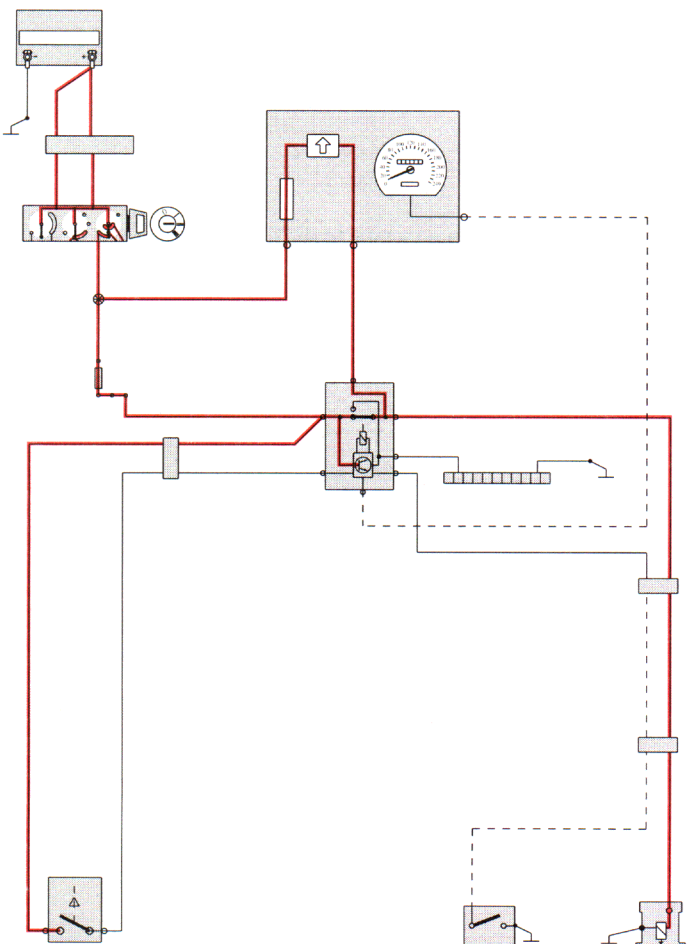
The taligate wiper in the parking cycle.

AW 70/71 Overdrive with kickdown inhibitor AW 71

Schematic presentation

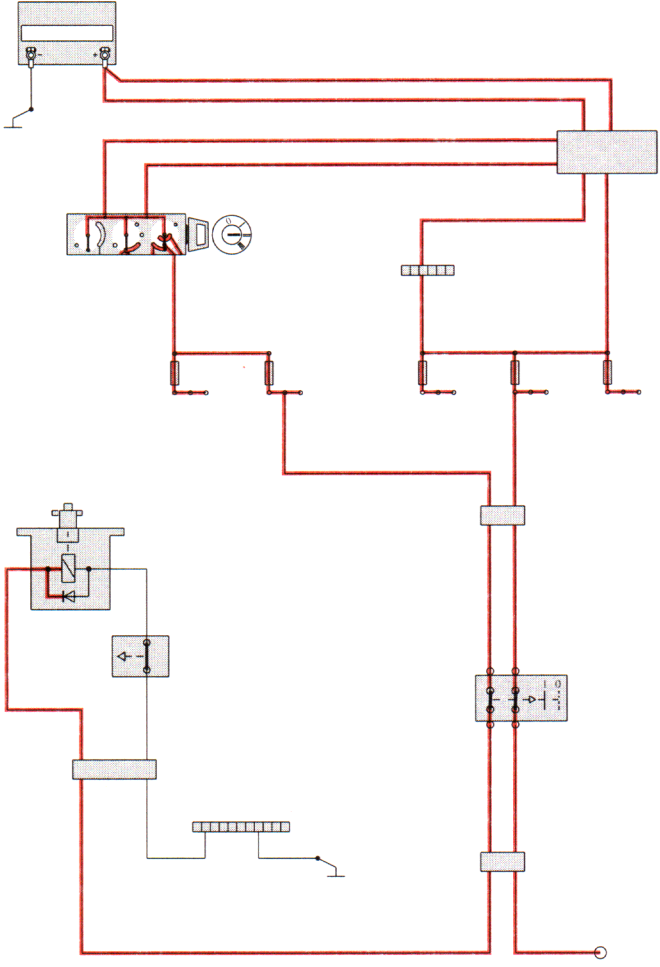


**Overdrive disengaged
Indicator lamp ON**

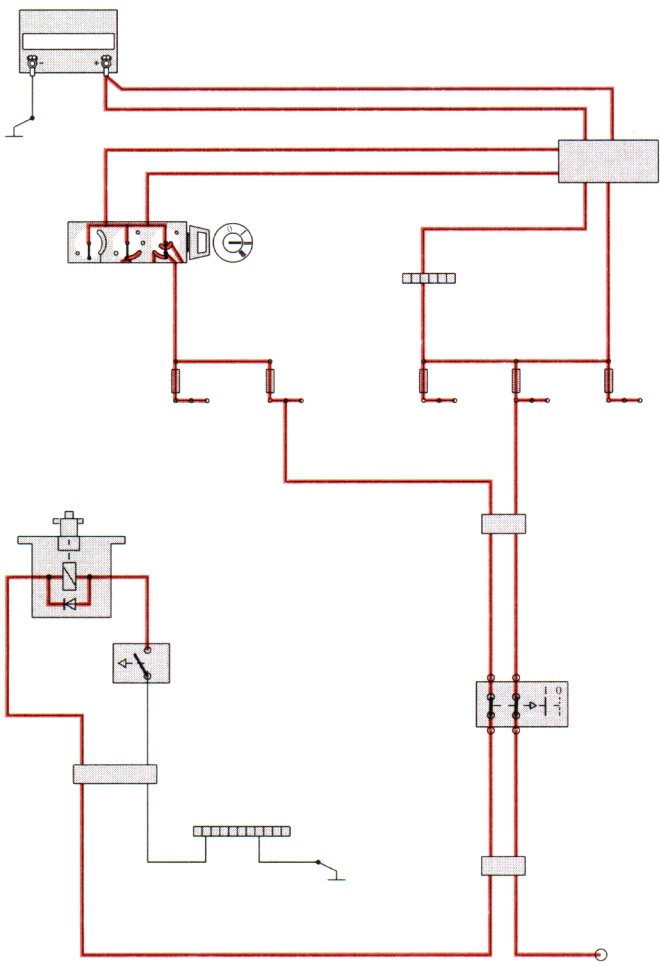


**Overdrive engaged
Indicator lamp OFF**

P-shift lock, automatic transmission Schematic presentation

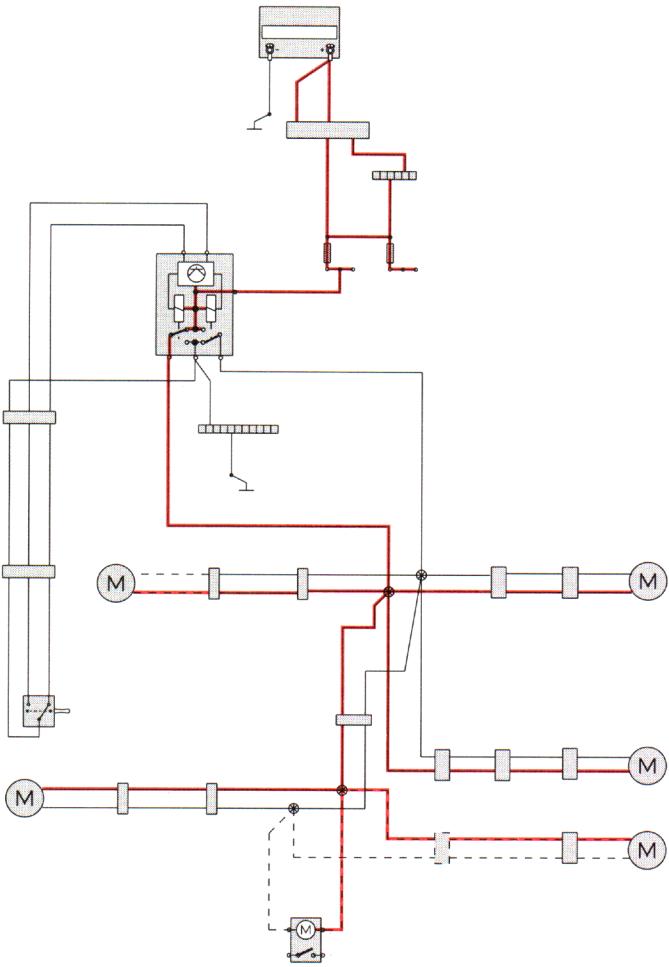


Ignition on, brake pedal depressed.
PNP switch released, the shift can be moved.

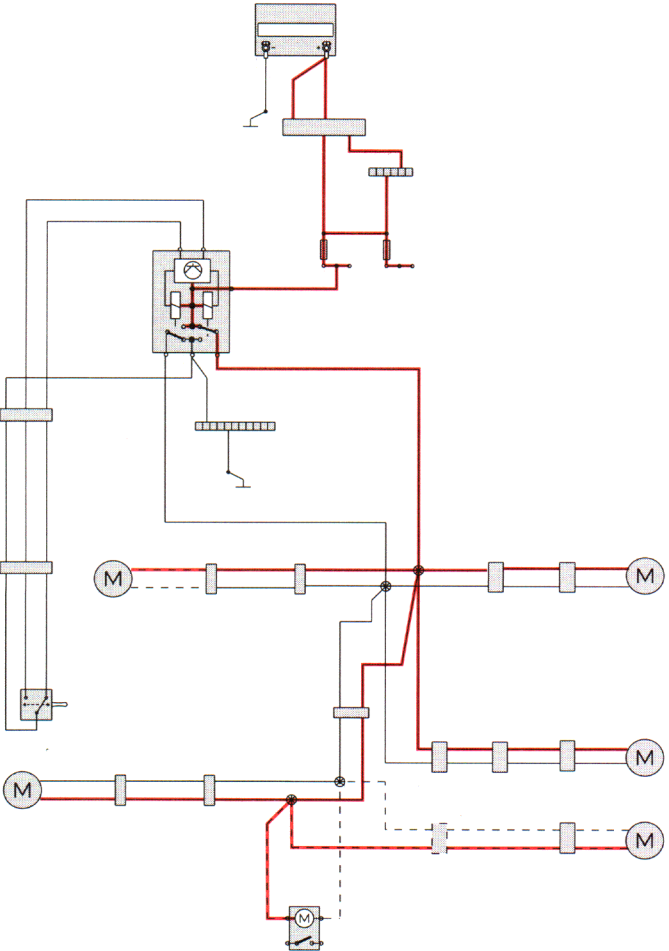


Ignition on, brake pedal depressed.
Gear shift selector moved from the P position.

Central locking Schematic presentation

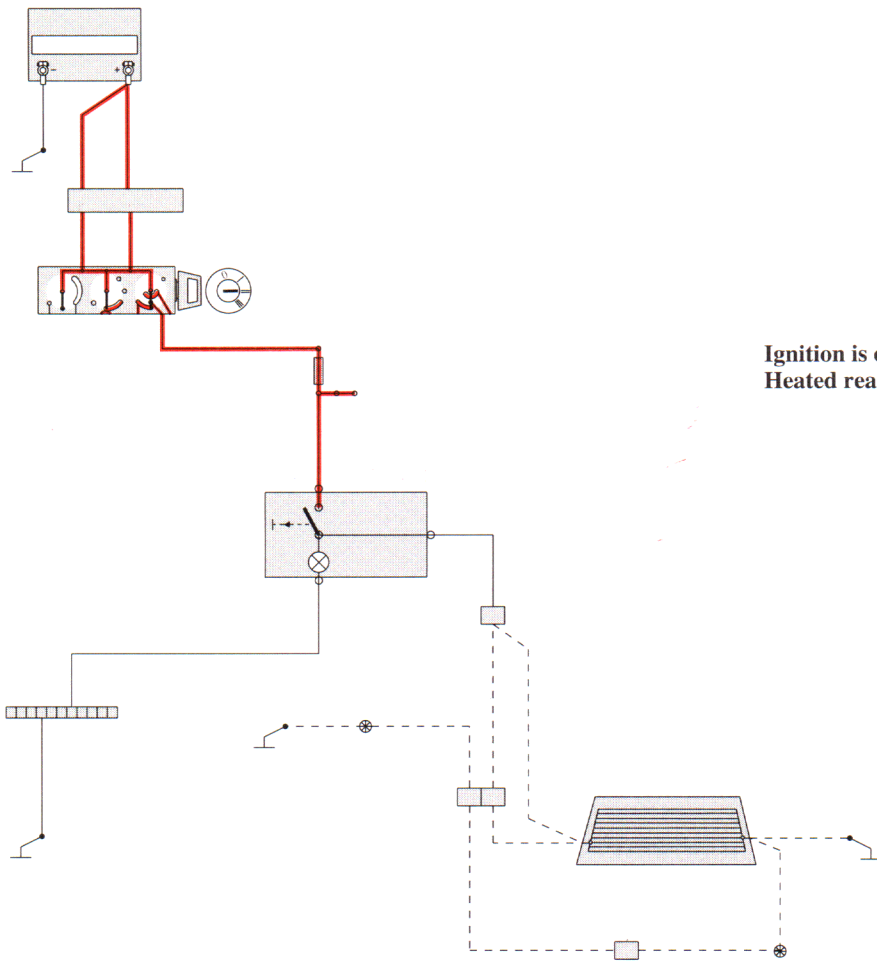


Unlocking with key

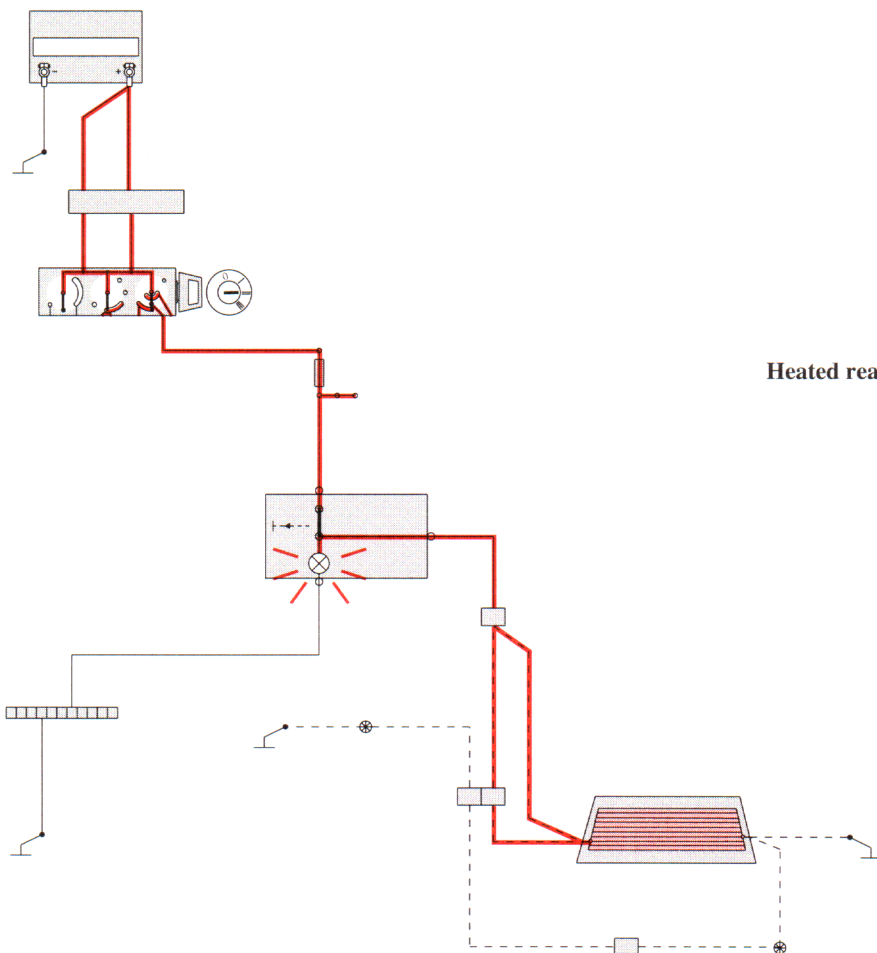


Locking with key

Heated rear window Schematic presentation



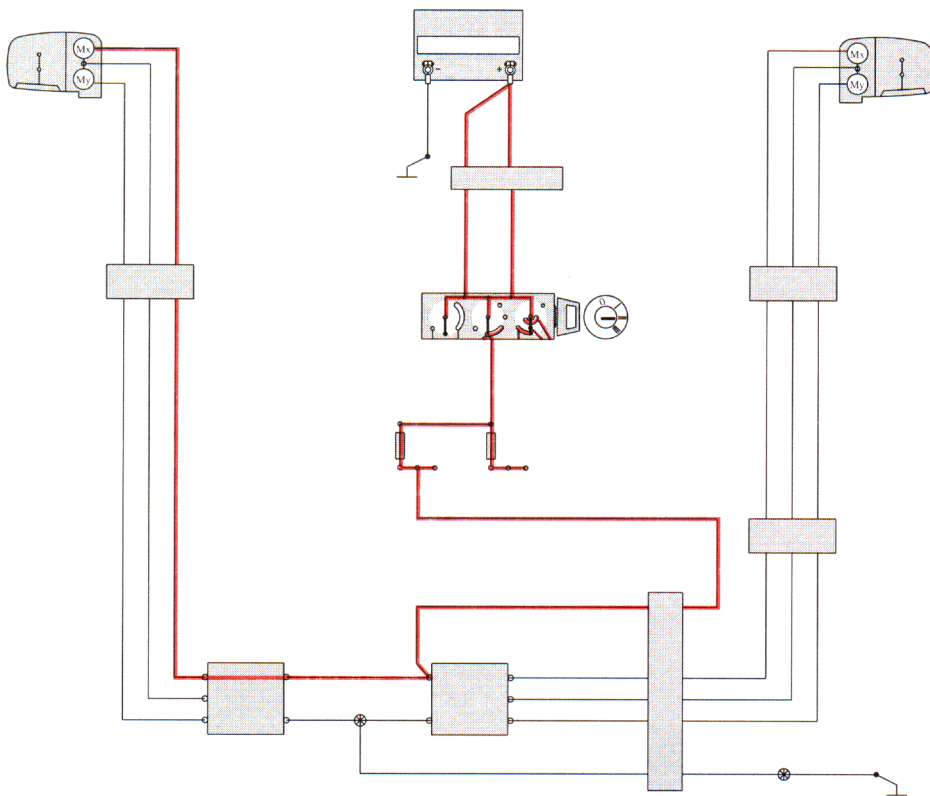
Ignition is on.
Heated rear window off.



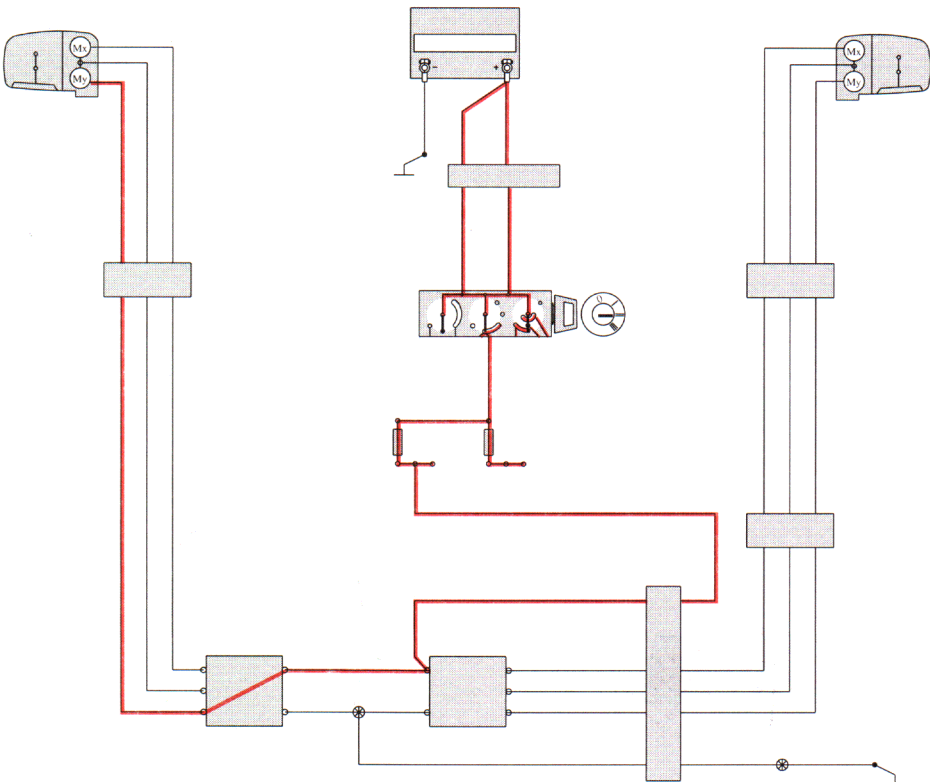
Heated rear window on.

Power door mirrors

Schematic presentation

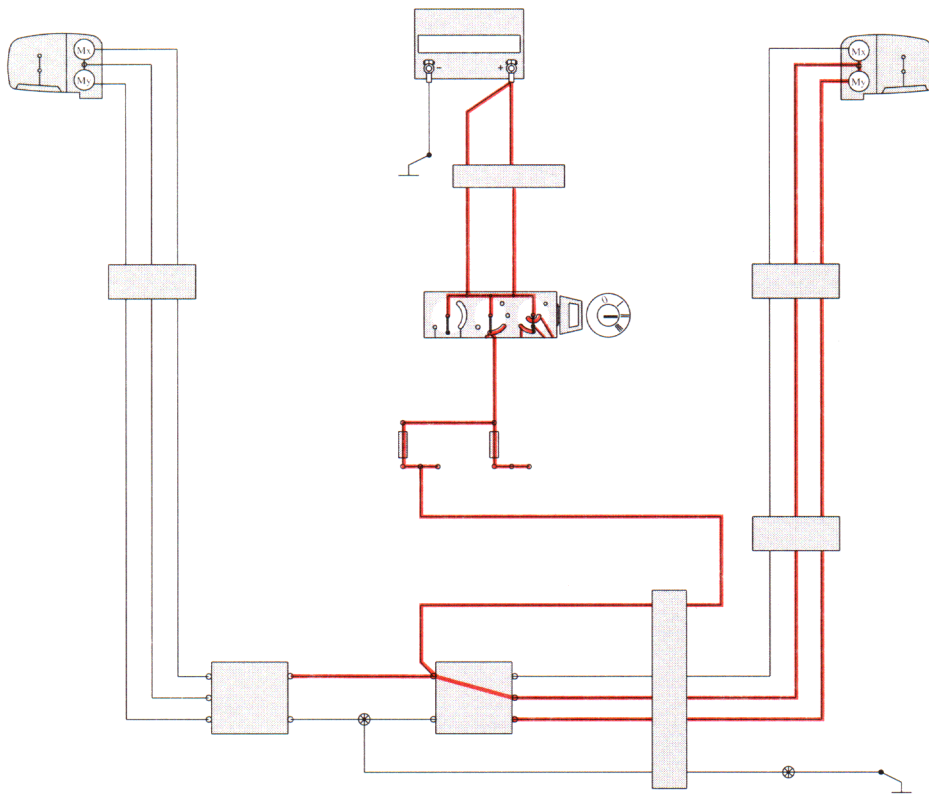


**Driver side power mirror
adjusted to the left.**

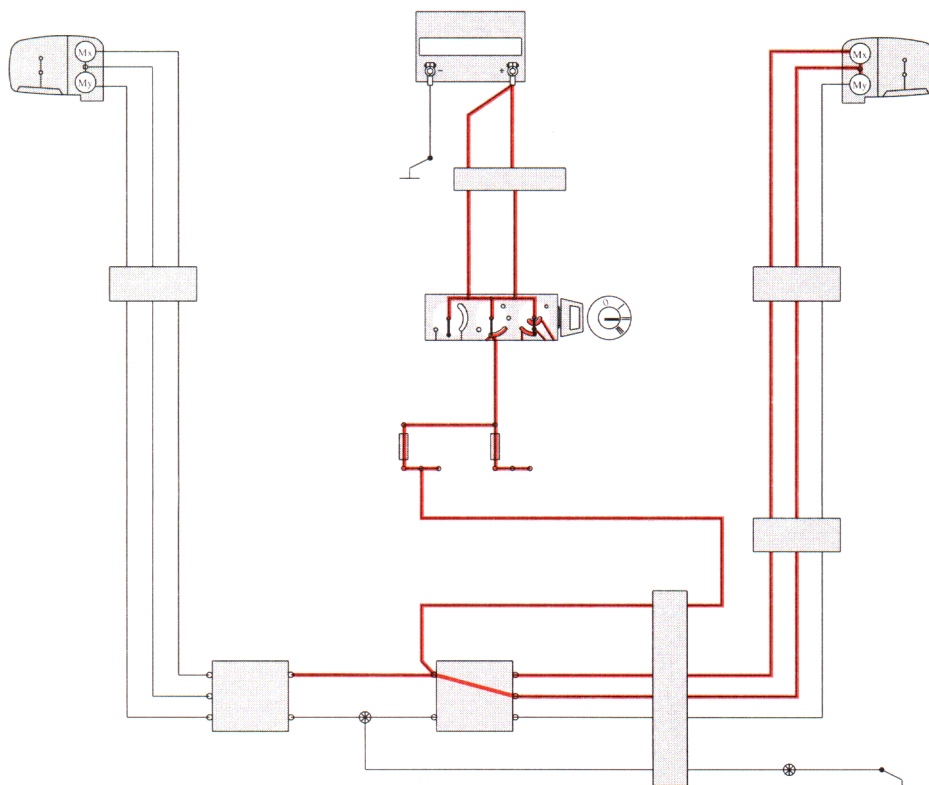


**Driver side power mirror
adjusted upward.**

Power door mirrors Schematic presentation

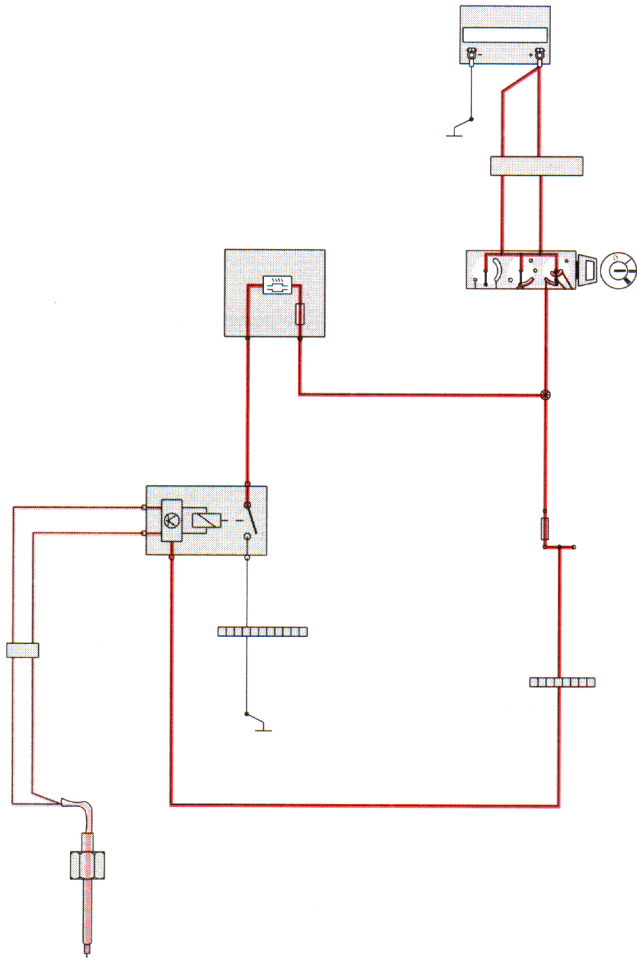


Passenger side power mirror
adjusted to the right.

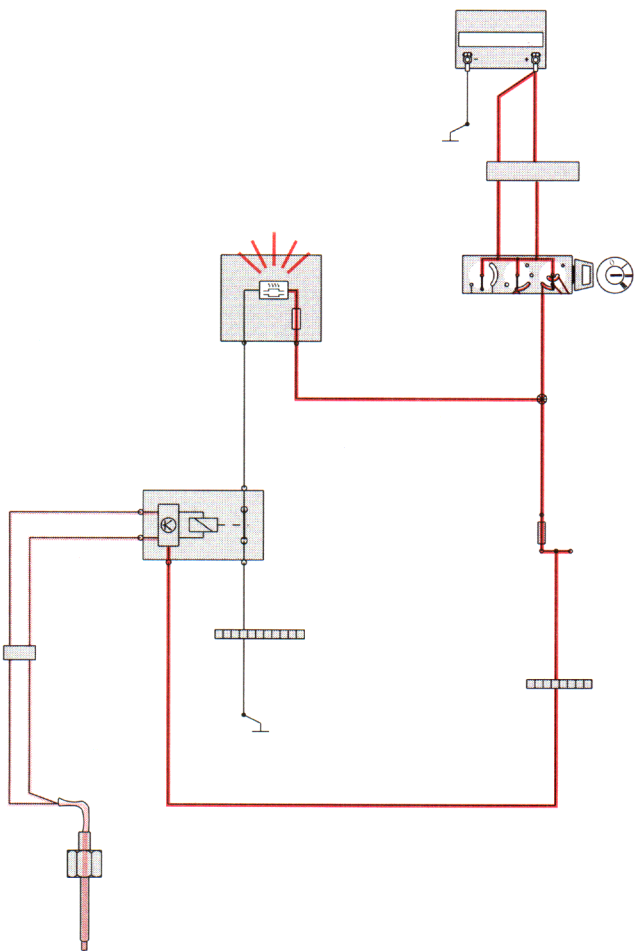


Passenger side power mirror
adjusted downward.

Exhaust temperature sensor (Japan) Schematic presentation



Exhaust gas temperature below 850°C



Exhaust gas temperature above 850°C

7/17	Mass air flow (MAF) sensor	10/35	Power sunroof lighting switch
7/24	Knock sensor (KS)	10/36	Control panel lighting
7/25	Engine speed (RPM) sensor	10/38	Ashtray lighting, rear
7/26	Pressure sensor, EGR	10/39	Switch lighting, seat heater
7/28	Engine coolant temperature (ECT) sensor, diesel	10/40	Gear selector lighting
7/30	Pressure sensor for charge pressure, turbodiesel	10/43	Right brake light
7/31	Sensor, ABS left front	10/44	Right parking light, rear
7/32	Sensor, ABS right front	10/45	Right parking/tail light
7/33	Sensor, vehicle speed (VSS) and ABS	10/46	Right rear foglight
7/34	Thermoelement, three-way catalytic converter (TWC)	10/47	Bulb, right rear turn signal
7/37	Temperature sensor, EGR	10/48	Right backup (reversing) light
7/38	Low-speed pressure sensor, engine cooling fan	10/50	Left brake light
7/40	High-speed pressure sensor, engine cooling fan	10/51	Left parking light, rear
7/41	High-pressure sensor, A/C	10/52	Left parking/tail light
7/43	Thermostat, driver's seat	10/53	Left rear foglight
7/44	Thermostat, passenger's seat	10/54	Bulb, left rear turn signal
7/47	PTC-resistor, air pre-heating	10/55	Left backup (reversing) light
7/53	Low-pressure sensor, A/C	10/64	Right high beam
7/69	Ambient temperature sensor	10/65	Right extra high beam
7/75	Bulb malfunction indicator	10/66	Right low beam
		10/68	Left high beam
		10/69	Left extra high beam
		10/70	Left low beam
		10/72	Ashtray lighting, front
		10/74	Indicator light, exhaust gas temperature
		10/75	Indicator light, charge pressure, turbodiesel
		10/76	Indicator light, diesel preheating
		10/77	Indicator light, SRS (airbag)
		10/78	Indicator light, seat belt
		10/79	Indicator light, overdrive (auto.)/Gear selection indicator
8/1	Operating solenoid, overdrive	10/82	Indicator light, ABS
8/2	Solenoids, ECC	10/83	Indicator light, parking brake
8/3	Solenoid coupling, A/C	10/84	Indicator light, brake warning
8/5	Idle air control (IAC) valve	10/85	Indicator light, high beam
8/6-9	Injection valves	10/86	Indicator light, oil pressure
8/13	Fuel valve, diesel	10/87	Indicator light, charge
8/15	Hydraulic unit, ABS	10/88	Indicator light, bulb failure
8/17	Converter, EGR	10/89	Indicator light, rear foglights
8/24	3-way valve, EGR	10/90	Indicator light, washer fluid level
8/30	Steering wheel module, SRS (airbag)	10/91	Service indicator
8/31	SRS passenger module	10/93	Indicator light, malfunction indicator lamp (MIL)
8/33	Igniter for left seat belt tensioner	10/94	Indicator light, right turn signal
8/34	Igniter for right seat belt tensioner	10/95	Indicator light, left turn signal
8/36	Solenoid P-shift lock	10/96	Instrument lighting
8/42	Solenoid, pulsed secondary air injection (PAIR)	10/103	Switch lighting, heated rear window/door mirrors
9/1	Cigar lighter	10/104	Switch lighting
9/2	Heated rear window	10/109	Trailer warning lamp
9/3	Heater element, driver's seat backrest	10/110	Engine temp. warning lamp
9/4	Heater element, passenger's seat backrest	10/114	Vanity mirror lighting, driver's side
9/5	Heater element, driver's seat cushion	10/115	Vanity mirror lighting, passenger's side
9/6	Heater element, passenger's seat cushion		
		11/1-26	Fuses
		11/41	Fuse, combined instrument
		13/2-13/106	Branching points
10/1	Left front light		
10/2	Right front light	15/1	Positive terminal
10/5	Left front foglight	15/2	30-rail in el. distribution unit
10/6	Right front foglight	15/9	Fuse-protected 15-rail in el. distribution unit
10/9	Left parking light and front turn signal indicator		
10/10	Right parking light and front turn signal indicator	16/1	Radio
10/11	Left front parking light	16/2	Amplifier
10/12	Right front parking light	16/3	Loudspeaker, right front door
10/13	Left front turn signal	16/4	Loudspeaker, left front door
10/14	Right front turn signal	16/5	Loudspeaker, right rear door
10/15	Left turn signal repeater (not USA/CDN)	16/6	Loudspeaker, left rear door
10/16	Right turn signal repeater (not USA/CDN)	16/7	Loudspeaker, instrument panel, right side
10/17	Right tail light	16/8	Loudspeaker, instrument panel, left side
10/18	Left tail light		
10/19	Extra brake light		
10/20	Left license plate light		
10/21	Right license plate light		
10/22	Roof light		
10/24	Trunk light		
10/25	Roof light, load area (5-door)		
10/29	Glove compartment light		
10/30	Door-open warning light, driver's door		
10/31	Door-open warning light, front passenger's side		
10/32	Door-open warning light, rear driver's side		
10/33	Door-open warning light, rear passenger's side		

The component list continues on the next page

16/9	Antenna	C33	Connector, under driver's seat, 2-pin
16/10	Horn 1	C34	Connector, under passenger's seat, 2-pin
16/11	Horn 2	C36	Connector, under passenger's seat, 2-pin
16/15	CD-autochanger	C37	Connector, under driver's seat, 2-pin
16/16	Antenna booster	C39	Connector, at driver's seat, 4-pin
16/17	Loudspeaker, rear parcel shelf, left side	C40	Connector, at passenger's seat, 4-pin
16/18	Loudspeaker, rear parcel shelf, right side	C41	Connector, under driver's seat, 6-pin
17/1	Service data link connector for starter motor operation	C42	Connector, under driver's seat, 2-pin
17/11	OBD data link connector	C50	Connector, 8-pin
17/14	Data link connector for diagnosis of power seat		Left wheel housing harness - Engine harness
18/5	Transfer box alarm	C51	Connector, 8-pin
19/1	Engine coolant temperature (ECT) gauge		Left wheel housing harness - Engine harness
19/2	Rev. counter (RPM gauge)	C54	Connector, 8-pin
19/3	Speedometer		Right wheel housing harness - Engine harness
19/4	Clock	C55	Connector, 8-pin
19/5	Fuel gauge		Right wheel housing harness - Engine harness
20/1	Ignition coil	C63	Connector, at left headlight, 3-pin
20/2	Distributor	C64	Connector, at right headlight, 3-pin
20/3-6	Spark plugs	C65	Connector, driver's door, 6-pin
20/9	Glowplugs	C66	Connector, passenger's door, 6-pin
20/15	Series resistance	C72	Connector, driver's door, 2-pin
20/18	Cabin fan resistor	C73	Connector, passenger's door, 2-pin
31/1	Ground connector right front wing	C74	Connector, rear door driver's side, 2-pin
31/2	Ground connector left front wing	C75	Connector, rear door passenger's side, 2-pin
31/3	Ground connector body (ground connection, battery-body)	C79	Connector, driver's door, 4-pin
31/4	Ground connector engine (ground connection, battery-engine)	C84	Connector, driver's door, 2-pin
31/5	Ground connector for heated rear window (4-door)	C85	Connector, rear door driver's side, 2-pin
31/6	Ground connector left A-post	C86	Connector, passenger's door, 2-pin
31/10	Ground connector right A-post	C87	Connector, rear door passenger's side, 2-pin
31/11	Ground connector left tail light	C89	Connector, at sunroof motor, 2-pin
31/12	Ground connector right tail light	C91	Connector, at el. dist. unit, 2-pin
31/13	Ground connector in load area	C92	Connector, behind steering wheel, 2-pin
31/16	Ground connector at windshield wiper motor	C93	Connector, left rear wheel housing, 4-pin
31/17	Ground connector at power sunroof motor	C98	Connector, at power antenna, 4-pin
31/26	Ground connector, generator	C117	Connector, 2-pin
31/31	Ground connection rail in el. distribution unit		Left wheel housing harness - Engine harness
31/32	Ground connector on engine (power ground)	C121	Coupling reel, steering wheel, SRS (airbag)
31/33	Ground connector on engine (signal ground)	C132	Connector, 8-pin
31/60	Ground connector on engine (diesel)		Left wheel housing harness - Engine harness
31/63	Ground connector at steering column bracket	C137	Connector, 4-pin
31/64	Ground connector engine cooling fan		Right wheel housing harness - Engine harness
31/66	Left seat lift ground terminal	C139	Connector, at gear selector, 4-pin
31/67	Right seat lift ground terminal	C143	Connector, at A-post passenger's side, 24-pin
C1	Connector, 53-pin	C144	Connector, at A-post driver's side, 24-pin
	Instrument panel harness - Door sill harness	C149	Connector, at B-post passenger's side, 11-pin
C2	Connector, 53-pin	C150	Connector, at B-post driver's side, 11-pin
	Instrument panel harness - Left wheel housing harness	C151	Connector at central electronics module, 2-pin
C3	Connector, 53-pin	C154	Connector, 3-pin or 1-pin
	Instrument panel harness - Right wheel housing harness		Right wheel housing harness - engine cooling fan harness
C5	Connector, left A-post, 2-pin	C155	Connector, left A-post, 8-pin
C6	Connector, at el. dist. unit, 4-pin	C156	Connector, at firewall, 3-pin
C7	Connector, at steering column, 8-pin	C157	Connector, at el. dist. unit, 4-pin
C9	Connector, at centre console, 10-pin	C158	Connector, at driver's seat, 4-pin
C11	Connector, at el. dist. unit, 4-pin	C160	Connector, at instrument panel, 6-pin
C15	Connector, at gearbox	C161	Connector, at firewall, 1-pin
C19	Connector, at instrument panel, 2-pin	C162	Connector, left B-post, 2-pin
C20	Connector, under gear lever carrier, 1-pin or 2-pin	C163	Connector, at firewall, 2-pin (diesel)
C21	Connector, left B-post, 4-pin	C166	Connector, at el. dist. unit, 8-pin
C22	Connector, at tailgate, 6-pin (5-door)	C167	Compact Disc changer connector, 2-pin
C23	Connector, at tailgate, 2-pin (5-door)	C300	Connector, at firewall, 4-pin
C24	Connector, at extra brake light, 2-pin		(for heated oxygen sensor (HO2S))
C25	Connector, tailgate, 2-pin, (5-door)	C301	Connector, at instrument panel for vanity mirror, passenger's side
C27	Connector, tailgate, 1-pin, (5-door)	C302	Connector, at instrument panel for vanity mirror, driver's side
C29	Connector, at driver's seat, 4-pin	D1	Connector, at instrument panel, 4-pin
C31	Connector, at passenger's seat, 2-pin	D2	Connector, alarm, 8-pin at steering column
C32	Connector, at driver's seat, 2-pin	D3	Connector, alarm, 4-pin at steering column
		D4	Connector, alarm, 2-pin (US/CA), 4-pin (EU/OS) in engine compartment, left front
		D5	Connector, towing hook, 10-pin (not USA/CDN)
		D7	Connector, ambient temperature sensor, 6-pin
		D11	Radio connector, 14-pin
		D12	Radio connector, 14-pin