

VOLVO

Service Manual

Fault tracing

Design

Repair

Function

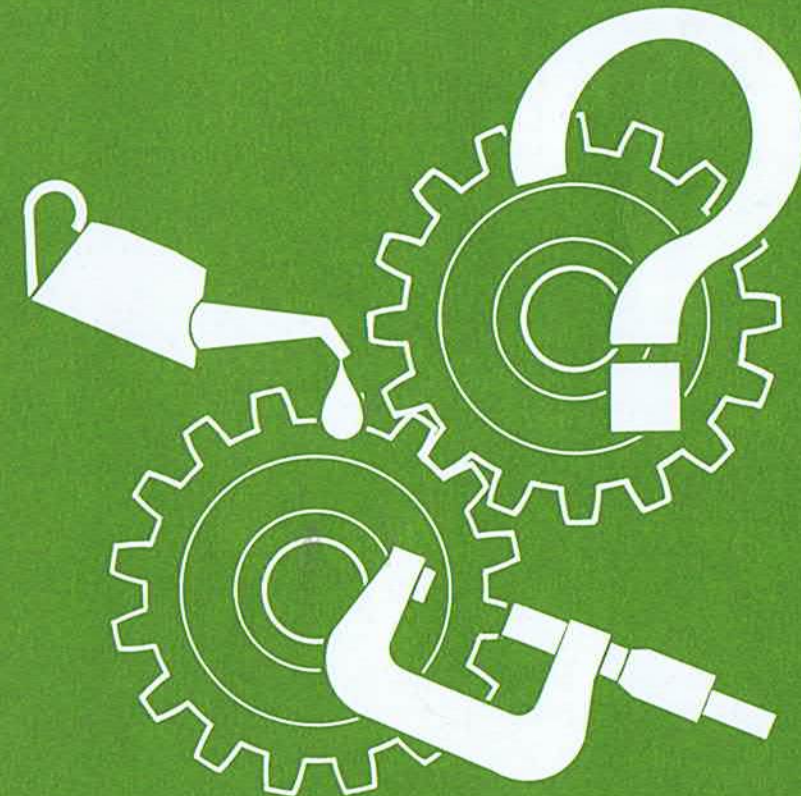
Maintenance

Section 3 (39)

Wiring diagrams

940 1997-98

TP 3933032



Volvo Car Corporation

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

Warning

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

Is the car equipped with SRS/SIPS?

Cars with SRS are most easily recognized by the SRS letters on the steering wheel pad. If the car is also equipped with an air bag on the passenger side, the letters 'SRS' will be embossed on the instrument panel above the glove compartment. Most cars with SRS are also equipped with pyrotechnical seat belt tensioners in the B-posts. The SIPS air bag is only installed on cars fitted with SRS (Air bag), from 1996 and on. The SIPS identifying label is attached to the windshield and on the side panels of the front seats.

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.

Repairs to steering gear and column

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

Seats

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

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

Test terminal

Data Link Connector socket in passenger compartment.

Modifications introduced up to and including May 1997

Any modifications made to the car after this date are not included in this manual. See Service Bulletin if necessary.

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

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Order number: TP 3933032

Replaces earlier manuals TP 3933031 and TP 3923031

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There are a number of abbreviations in the book which are explained below.

Countries/Markets:

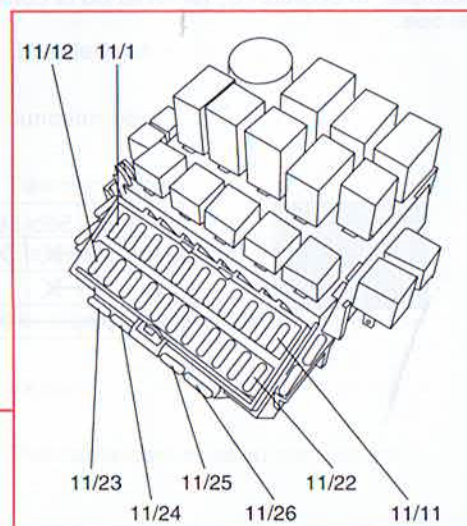
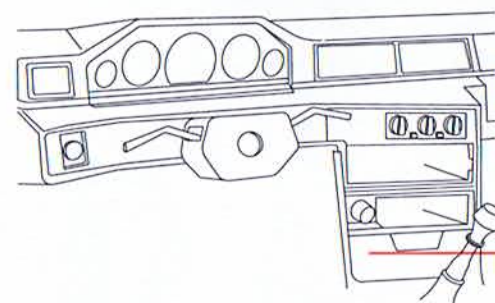
A	= Austria
AUS	= Australia
B	= Belgium
CDN	= Canada
CH	= Switzerland
D	= Germany
DK	= Denmark
E	= Spain
EU/OS	= Markets outside the USA and Canada
FIN	= Finland
GB	= Great Britain
J	= Japan
KOR	= Korea
N	= Norway
NL	= Holland
S	= Sweden
WEU	= Western Europe

Other:

ALTER	= Alternative
AUTO	= Automatic transmission
AWD	= All wheel drive
EARLY	= Early version
EXC	= Exclusive
GA	= Anti-theft alarm
IMMO	= Immobilizer
LATE	= Late version
LHD	= Left-hand drive
MAN	= Manual transmission
OTHERS	= Others
RHD	= Right-hand drive
W/O	= Without
YM97	= model year 1997
YM98	= model year 1998
4DRS	= 4-doors
5DRS	= 5-doors

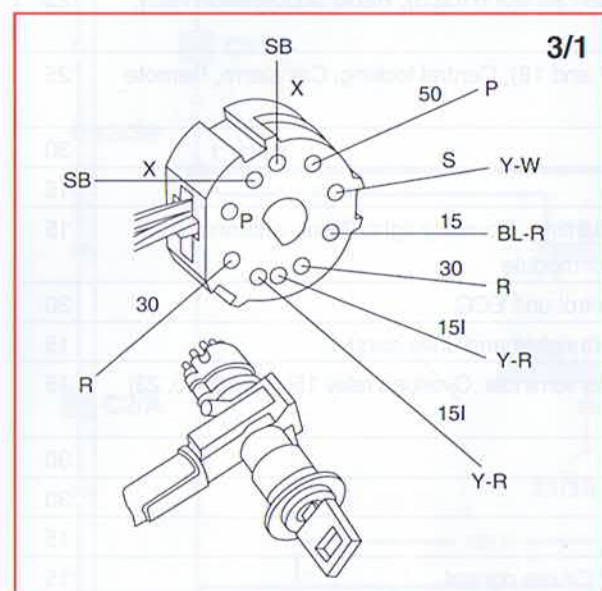
Colors:

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



No.	Fuse function	A
1	Fuse 11, Fuel injection system, Ignition system, Heated oxygen sensor (HO2S), Radio suppression relay, Immobilizer (from late version 97 model year onwards)	25
2	Hazard flashers, Visual acknowledgement signal (via fuse 17 and 18), Central locking, Car alarm, Remote central locking module	25
3	Power seat, Tow hitch	30
4	Stop (brake) lamp, immobilizer (early version model year 97)	15
5	Clock, Vanity mirror lighting, Glove box lighting, Trunk (boot) lighting, Courtesy light, Power antenna, Door edge warning lights, Car alarm, Central locking remote control module	15
6	Electronic climate unit ECC, Blower fan electronic climate control unit ECC	30
7	Data link connector (DLC), Front fog lamps, Fog tail lamps (not right-hand drive cars)	15
8	Turn indicator, Indicator lamp for seat belts, Seat belt reminder, Key reminder, Overload relay 15I (fuse 9, 10, 23) Shift lock solenoid, Tow hitch	15
9	Power windows	30
10	Heated rear window, Power sunroof, Heated door mirrors	30
11	Fuel pump (via fuse 1)	15
12	Backup (reversing) lights, Overdrive relay, Kickdown inhibitor, Cruise control +15-rail (15/9):	15
13	Electronic start inhibitor (Immobilizer)	15
14	Power door mirrors, cigarette lighter, Radio, Tailgate wiper/-washer, Outside temperature gauge, Accessories, Power seats relay (model year 97)	15
15	Horn, Windshield wash/wipe, Headlight wash/wipe	25
16	Blower fan standard heater, Blower fan manual climate control MCC, Manual climate control unit MCC, Electronic climate control unit ECC	30
17	Left high beam, High beam indicator light	15
18	Right high beam, Front fog lamp relay (Japan)	15
19	Left low beam, Headlamp range adjustment	15
20	Right low beam, Headlamp range adjustment	15
21	Parking lights front and rear, License (registration) plate lighting, Instruments and controls lighting, Outside temperature gauge, Front ashtray lighting, Tow hitch	15
22	Front fog lamps relay (not Japan), Parking lights front and rear, Rear ashtray lighting, Gear shift position lighting, Heated seat switch lighting, Tow hitch	15
23	Heated front seats	25
24	ABS	15
25	Rear fog lamps (right-hand drive cars), Disconnectable low beam (Nordic countries, the Netherlands, Belgium)	25
26	Amplifier, Radio, Compact Disc changer, Accessory	15

Ignition switch



3/1

Ignition switch

Inputs

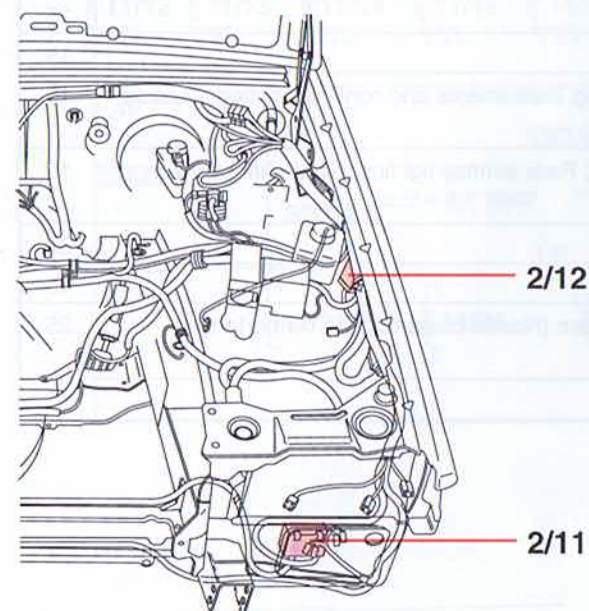
30: two power supplies from battery

Outputs

Key position:

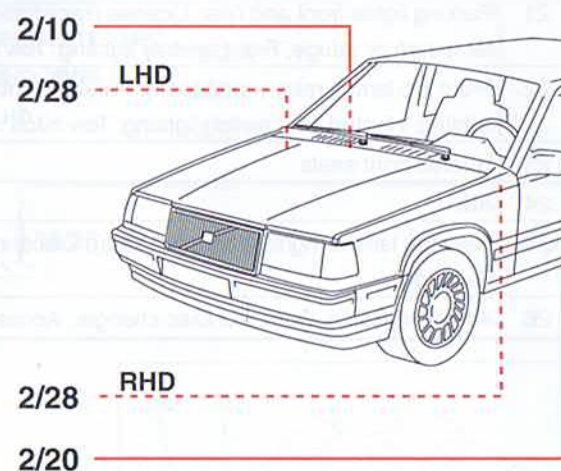
	Voltage on terminal
- Key out	P
0 Switched off	S, P
I Radio position	X, S, P
II Driving position	X, 15, 15I, S
III Start position	15, 50, S

Relay locations outside central electrical unit



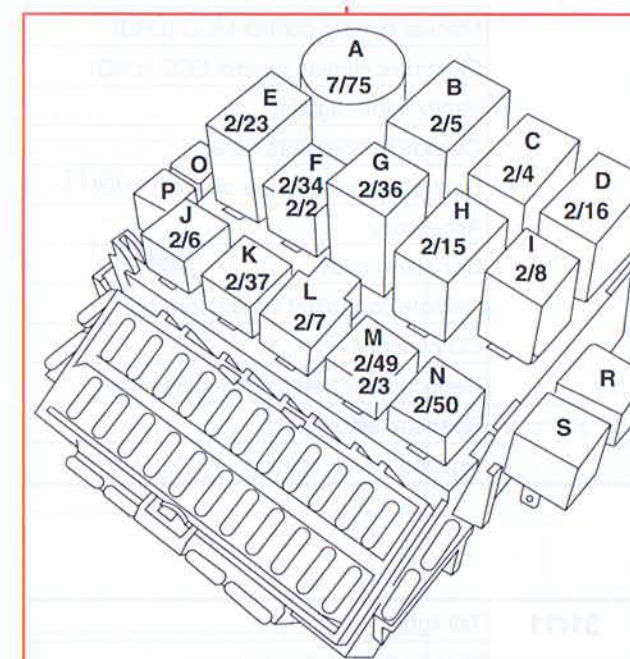
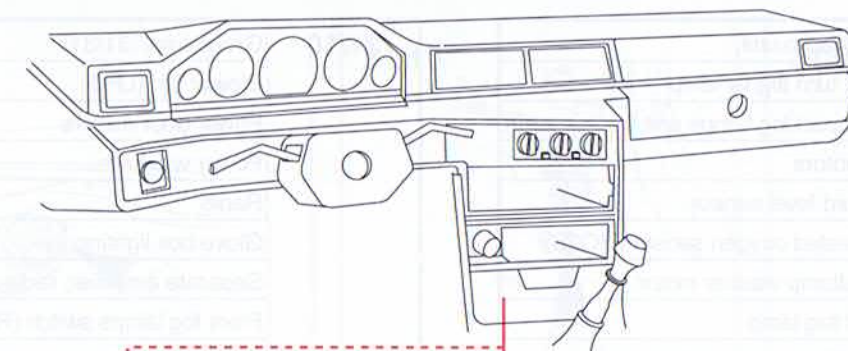
B200FT, B230FK/GK/FT

- 2/11 Relay engine coolant fan (FC)
2/12 Radio interference suppressor relay

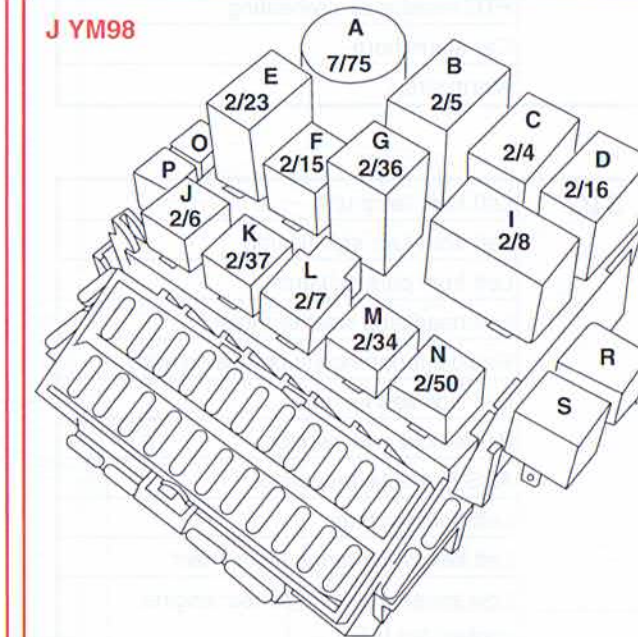


- 2/10 Power unit ECC
2/20 Relay auto-down power window
2/28 Car alarm relay

Relay location, central electronics module



J YM98



A	Bulb failure warning sensor, 7/75
B	Seat belt reminder/key warning 2/5 (Korea)
C	Windshield intermittent wash/wipe, 2/4
D	Rear windshield intermittent wash/wipe, 2/16
E	Fuel injection, 2/23
F	Front fog lamps, 2/34 (Japan, late version 1997) Fog lamps, 2/2 (Japan, early version 1997) Exhaust temperature sensor, 2/15 (Japan 1998)
G	Flasher stalk, 2/36
H	Exhaust temperature sensor, 2/15 (Japan 1997)
I	Overdrive, 2/8
J	Overload relay 15I (power windows/heated seats), 2/6
K	Headlamps, 2/37
L	Central locking, 2/7
M	Fog tail lamp, 2/49 (left-hand drive cars) Reduced low beam (DIM-DIP), 2/3 (Great Britain) Front fog lamps, 2/34 (Japan 1998)
N	Overload relay high beam, 2/50
O	-
P	-
R	-
S	-

31/1	Right front lamp unit
	Right front turn signal lamp
	Right front parking lamps unit
	Washer motors
	Washer fluid level sensor
	Heating heated oxygen sensor (HO2S)
	Right headlamp washer motor
	Right front fog lamp
	Right headlamp range adjustment
	PTC resistor air preheating
	Car alarm horn
	Alarm siren

31/2	Left front lamp unit
	Left front turn signal lamp
	Left front parking lamp
	Left headlamp washer motor
	Radio interference suppression relay
	Left side flasher unit
	Brake fluid level sensor
	ABS hydraulic modulator
	Left front fog lamp
	Left headlamp range adjustment
	Low speed pressure sensor engine coolant fan (FC)
	High-speed pressure switch engine coolant fan (FC)
	Car alarm

31/3	Ground point battery-body
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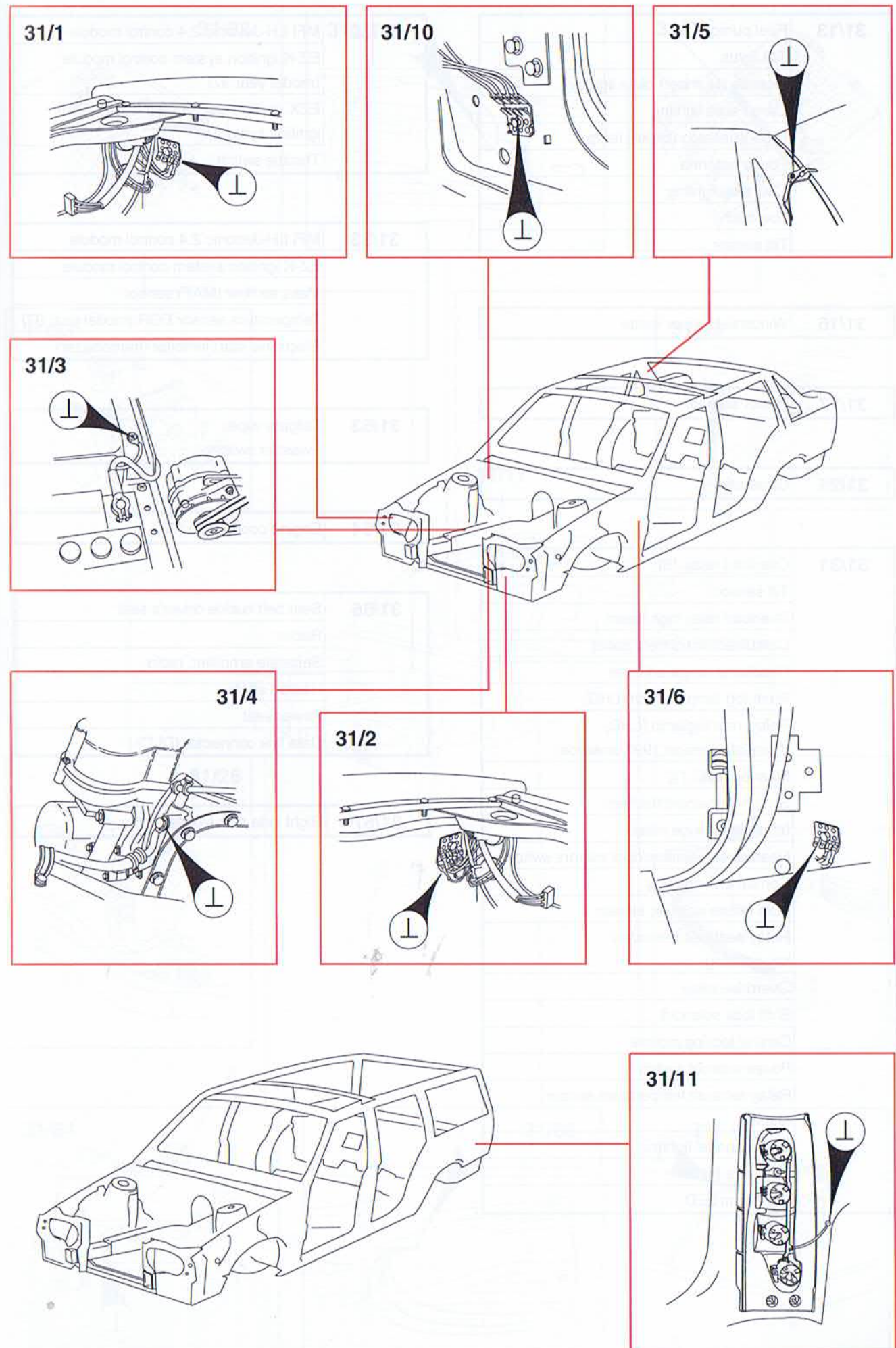
31/4	Ground point battery-engine
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31/5	Heated rear window
-------------	--------------------

31/6	ABS control module
	Blower fan (RHD)
	Manual climate control MCC (RHD)
	Electronic climate control ECC (RHD)
	Control module cruise control (LHD)
	Combined instrument panel (LHD)

31/10	Ground rail (31/31)
	Blower fan (LHD)
	Power door mirrors
	Power windows
	Radio
	Glove box lighting
	Separate amplifier, radio
	Front fog lamps switch (RHD)
	Combined instrument panel (RHD)
	Manual climate control MCC (LHD)
	Electronic climate control ECC (LHD)
	Vanity mirror lighting
	Outside temperature sensor
	Control module, cruise control (RHD)
	Accessory
	Car alarm relay
	Remote controlled central locking
	CD changer
	Reduced low beam (DIM-DIP) relay
	Rheostat adjustment
	Lighting switch lighting

31/11	Tail lights
	High-level stop (brake) lamp
	Antenna
	Tailgate wiper motor
	Cargo area lighting
	License (Number) plate lighting
	Fuel pump
	Courtesy lighting
	Tow hitch
	Heated rear window
	Tilt sensor



Ground points

31/13	Fuel pump
	Tail lights
	License (Number) plate lighting
	Cargo area lighting
	High-level stop (brake) lamp
	Power antenna
	Courtesy lighting
	Tow hitch
	Tilt sensor

31/16	Windshield wiper motor
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31/17	Power sunroof
--------------	---------------

31/26	Generator
--------------	-----------

31/31	Overload relay 15I
	Tilt sensor
	Overload relay high beam
	Combined instrument panel
	Headlamp range adjuster
	Front fog lamps switch (LHD)
	Relay, rear foglamp (LHD)
	(from late version 1997 onwards)
	Flasher stalk
	Switch for hazard flashers
	Intermittent wipe relay
	Heated rear window/door mirrors switch
	Central locking relay
	Bulb failure warning sensor
	Relay seat belt reminder/
	key warning
	Overdrive relay
	Shift lock solenoid
	Central locking motors
	Power sunroof switch
	Relay exhaust temperature sensor
	(Japan)
	Control panel lighting
	Cigarette lighter
	Car alarm LED

31/32	MFI LH-Jetronic 2.4 control module
	EZ-K ignition system control module
	(model year 97)
	EZK ignition discharge module (IDM)
	ignition system
	Throttle switch

31/33	MFI LH-Jetronic 2.4 control module
	EZ-K ignition system control module
	Mass air flow (MAF) sensor
	Temperature sensor EGR (model year 97)
	Electronic start inhibitor (Immobilizer)

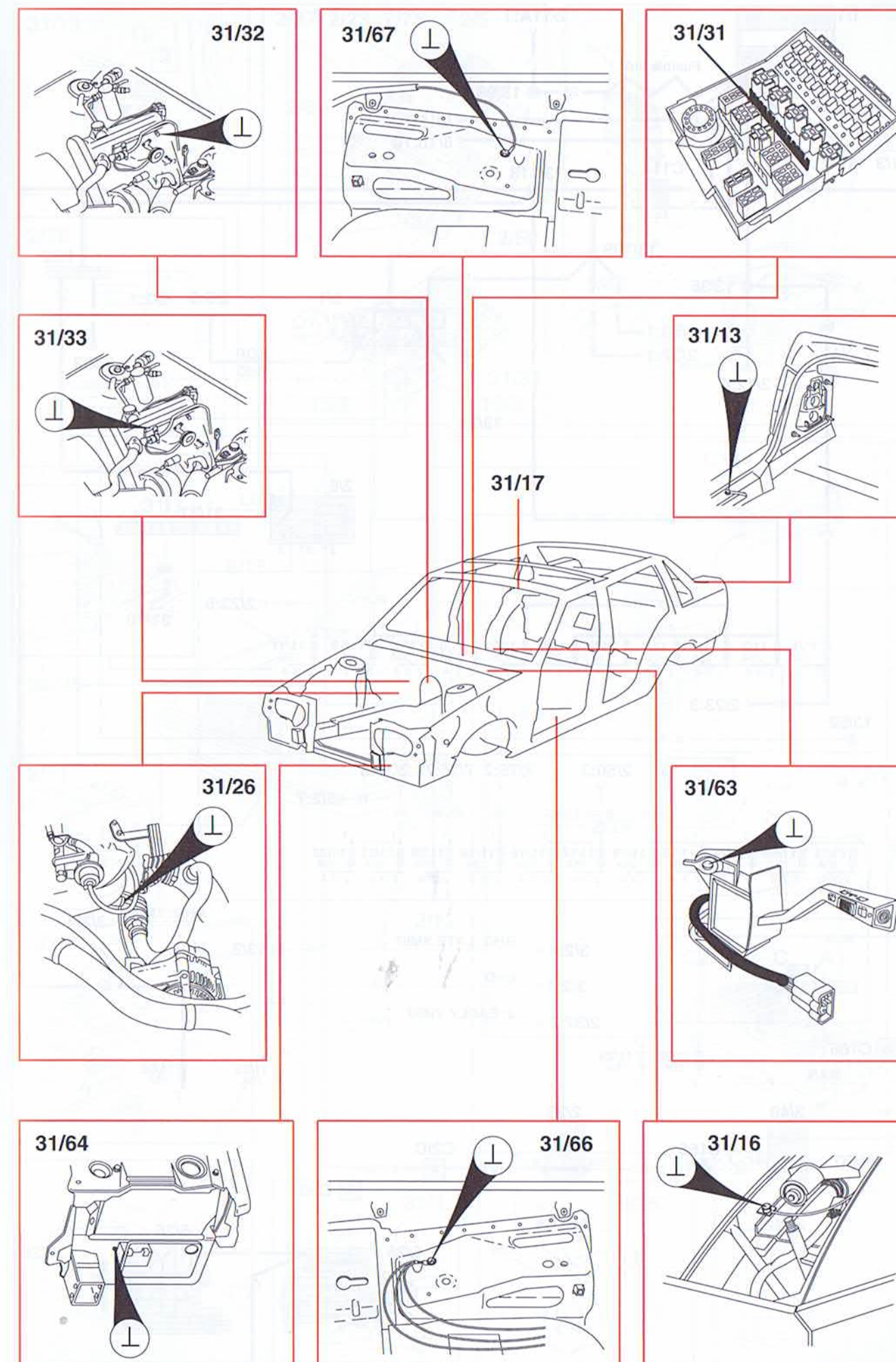
31/63	Tailgate wipe/
	-washer switch

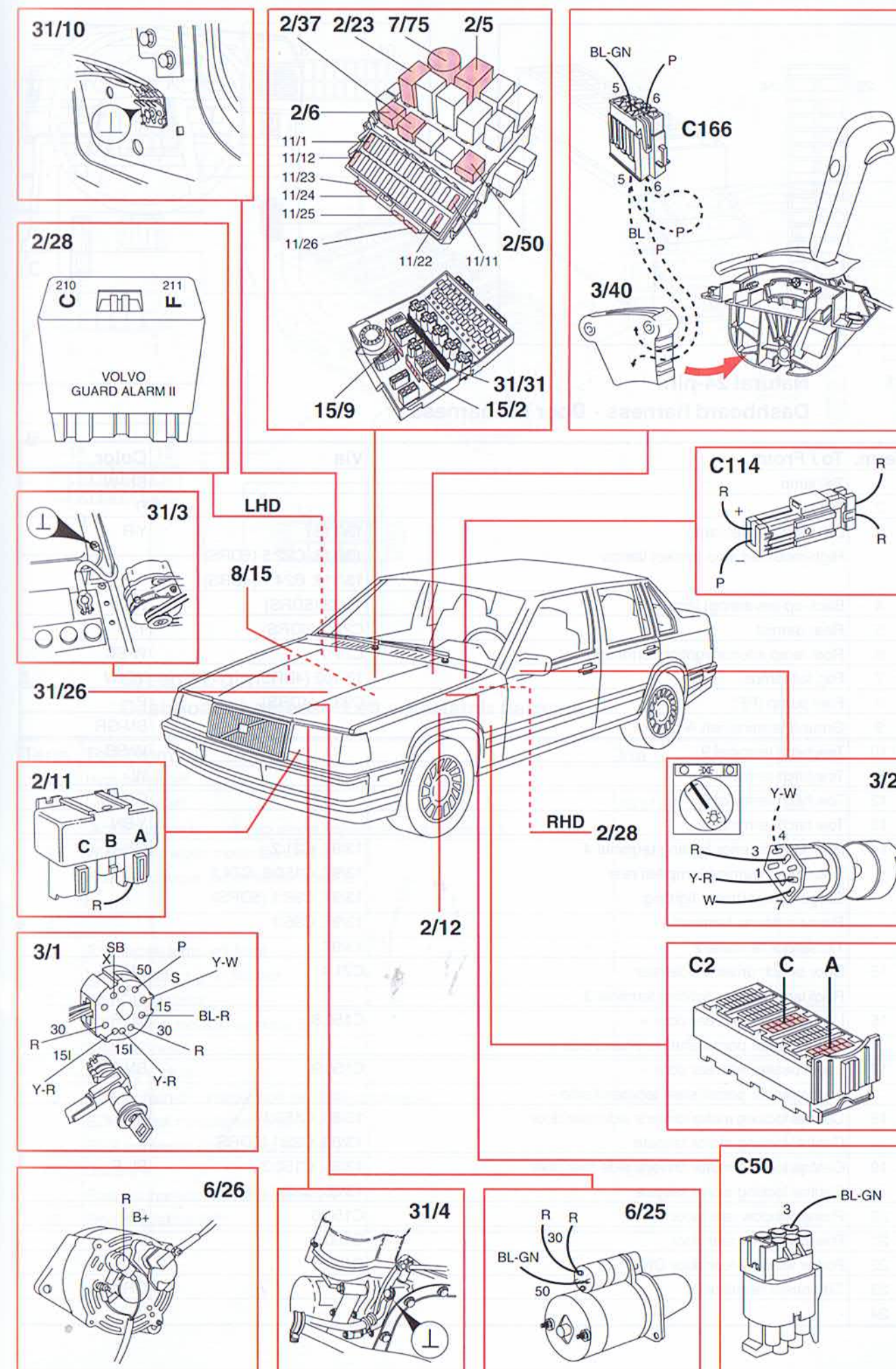
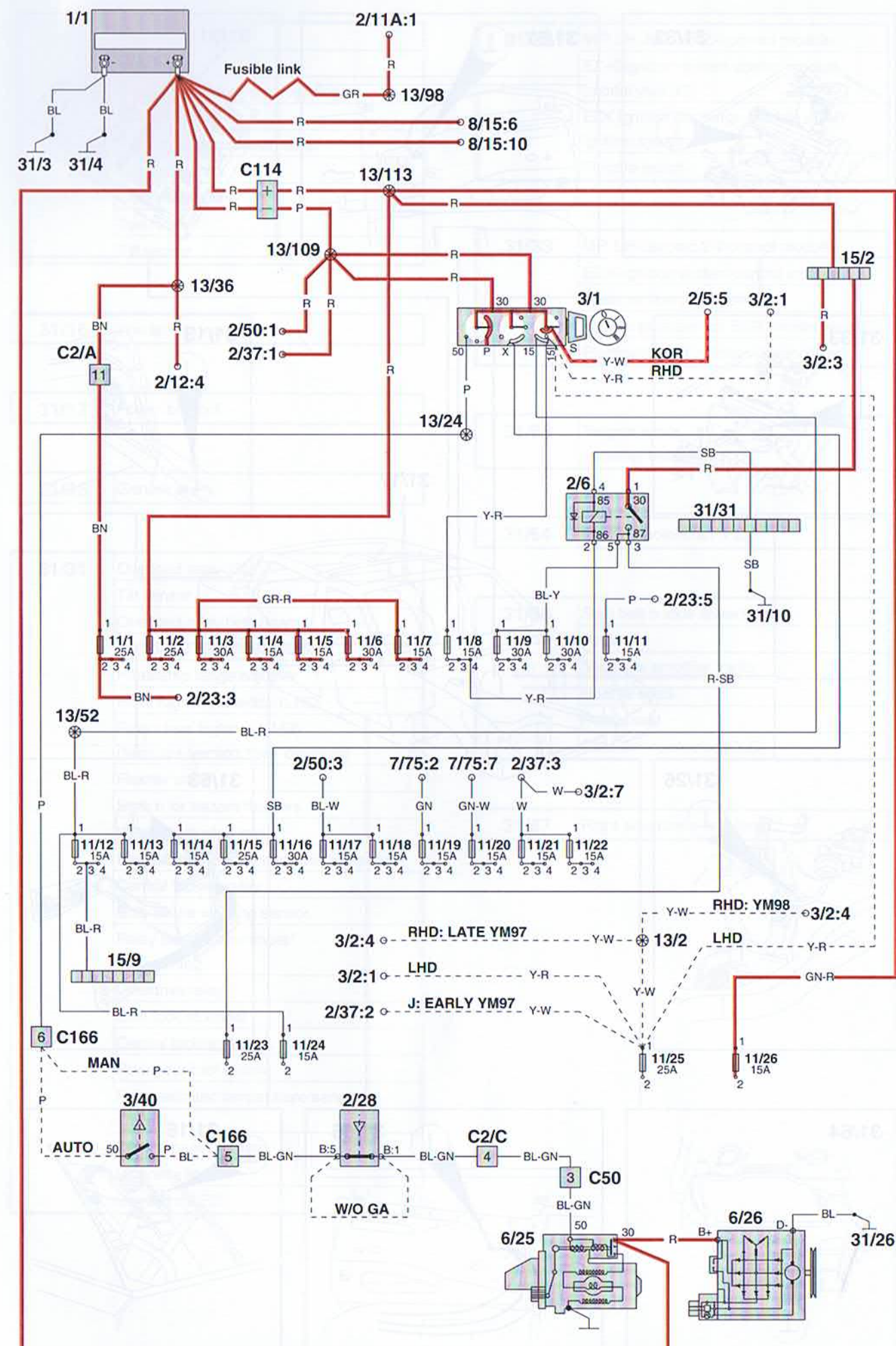
31/64	Engine coolant fan (FC)
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31/66	Seat belt buckle driver's seat
	Radio
	Separate amplifier, radio
	Heated seats
	Power seat
	Data link connector (DLC)

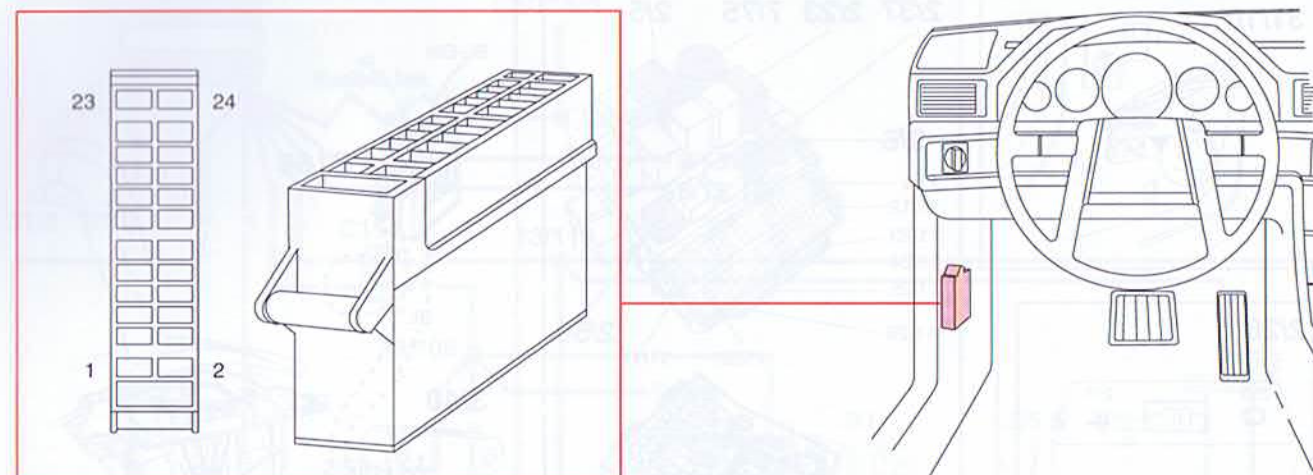
31/67	Right side turn signal lamp
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Ground points





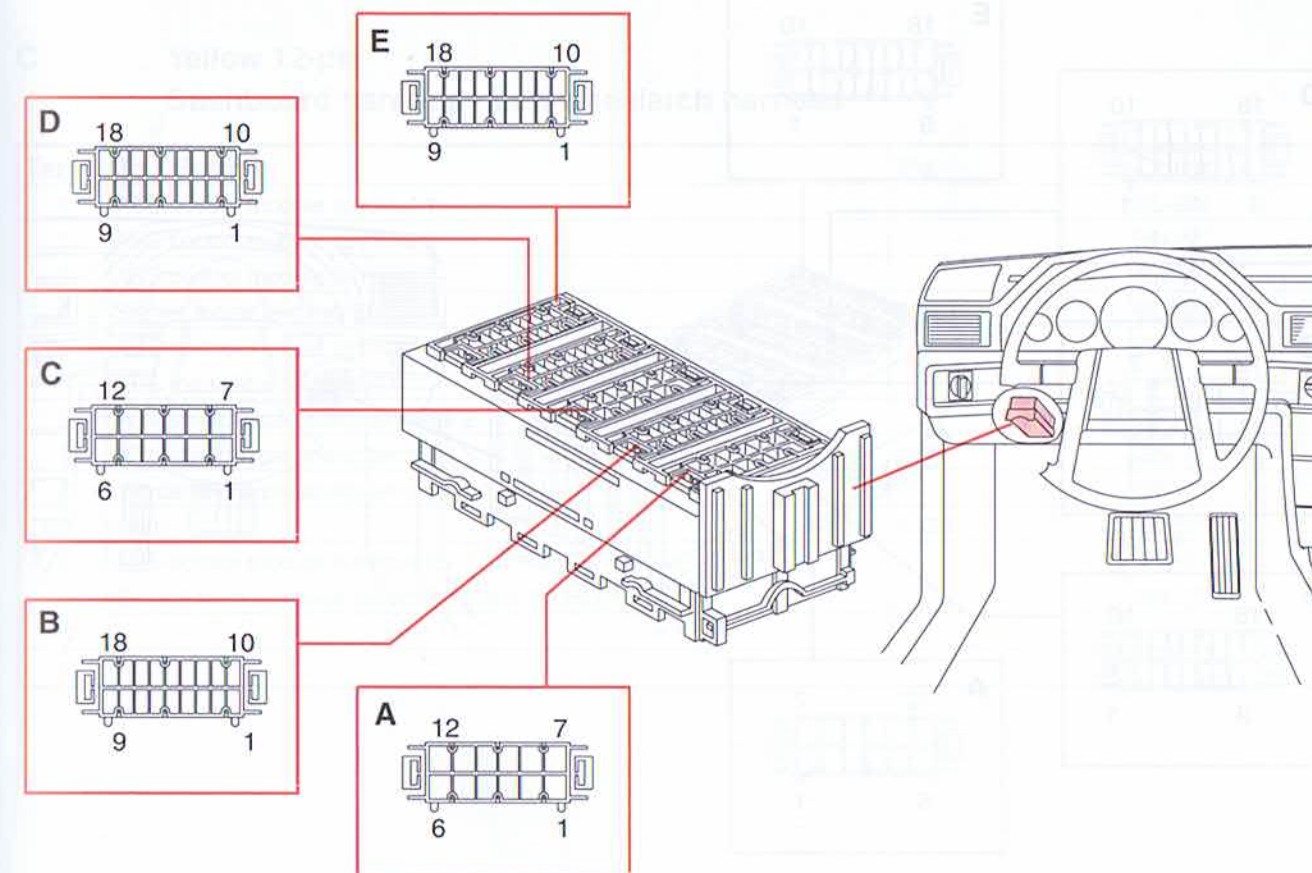
Connector C1



C1 Natural 24-pin
Dashboard harness - Door sill harness

Term.	To / From	Via	Color
1	Tail lamp		BN-W
2	Tail lamp		R
3	Left stop (brake) lamp High-mounted stop (brake) lamps	13/118 13/118, C22:5 (5DRS) 13/118, C24:1 (4DRS)	Y-R
4	Back-up (reversing) lamp	13/32 (5DRS)	BN-P
5	Rear demist	C22:1 (5DRS)	Y
6	Roof lamp interior lighting terminal 2	C21:1	W-SB
7	Fog tail lamps	13/103 (4DRS)	VO-W
8	Fuel pump (FP)	C93:1 (4DRS)	P
9	Ground terminal left A-post		BN-GR
10	Tow hitch terminal 9		W-SB
11	Tow hitch terminal 7		W
12	Tow hitch terminal 5		GR
13	Tow hitch terminal 6		Y-BN
14	Roof lamp interior lighting terminal 4 Door open warning lamp left rear Cargo compartment lighting Power antenna terminal 1 Tilt sensor terminal 2	13/97, C21:2 13/97, C150:3, C74:1 13/97, C98:1 (5DRS) 13/97, C98:1 13/97	GN-R
15	Door switch driver's side rear Roof lamp interior lighting terminal 3	C21:4	BN-SB
16	Loudspeaker left rear door + Loudspeaker parcel shelf left-hand side +	C150:8	BL-P
17	Loudspeaker left rear door - Loudspeaker parcel shelf left-hand side -	C150:9	BN-P
18	Central locking motor driver's side rear door Central locking motor tailgate	13/86, C150:1 13/86, C23:1 (5DRS)	R-W
19	Central locking motor driver's side rear door Central locking motor tailgate	13/85, C150:2 13/85, C23:2 (5DRS)	BL-R
20	Power window rear door	C150:6	GN
21	Power window rear door	C150:7	GR
22	Power window rear door ON/OFF	C150:5	P
23	Tilt sensor terminal 3		OR
24	-		

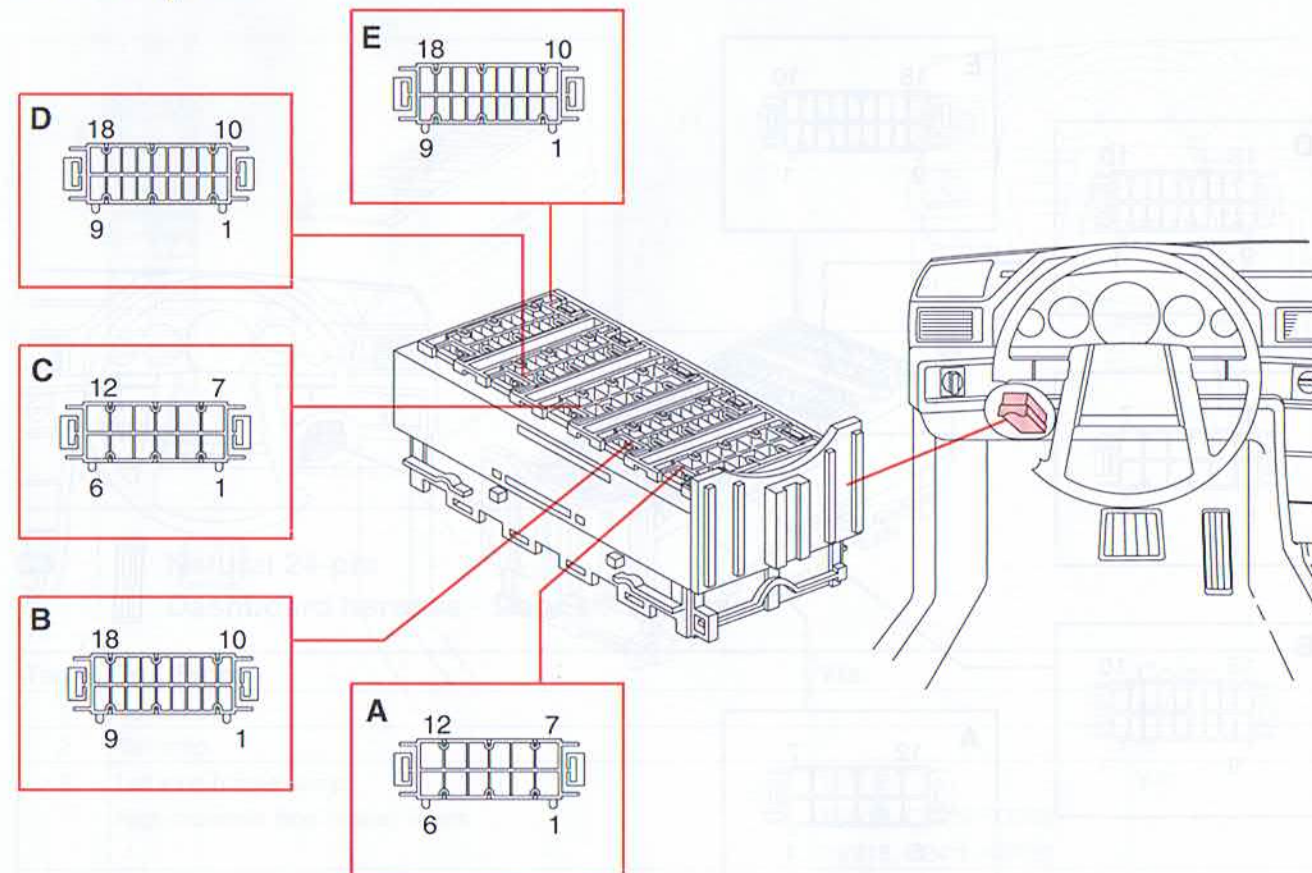
Multi-connector C2 (light blue) at left A-post



A Green 12-pin
Dashboard harness - Left wheelarch harness

Term.	To / From	Via	Color
1	High beam left		BL-W
2	Low beam left Actuator motor headlamp range adjustment left terminal 1	13/110 (LHD)	GN
3	Windshield wiper motor terminal 1 Headlamp wiper motor left terminal 2 horn +	13/14	Y
4	-		
5	Turn signal lamp left front Left side turn signal flasher		GN
6	DIM-DIP resistor		Y-SB
7	EZK control module terminal 5		BN
8	DIM-DIP resistor		Y-W
9	Service socket		P
10	EZK ignition discharge module (IDM) terminal 4 EZK control module terminal 6 EGR converter (early version 1997)	13/34	BL
11	Battery + Radio suppression relay terminal 4	13/36	BN
12	Front fog lamps left		W-SB

Multi-connector C2 (light blue) at left A-post



B Light blue 18-pin Dashboard harness - Left wheelarch harness

Term.	To / From	Via	Color
1	-		
2	-		
3	-		
4	Left parking lamps front		W
5	Actuator motor headlamp range adjustment left terminal 2		GN-GR
6	Headlamp wiper motor left terminal 1		BN-OR
7	-		
8	EZK control module terminal 3		BN-W
9	EZK control module terminal 17		Y-GR
10	EZK control module terminal 4		GR-R
11	-		
12	Radio suppression relay terminal 2		BL-Y
13	ABS control module terminal 31		BL-P
14	EZK ignition discharge module (IDM) terminal 1	13/93	R-W
	Ignition coil terminal 1	13/93, C50:8	
15	Brake fluid level switch		VO
16	Engine coolant temperature (ECT) sensor terminal 1	C50:1	Y-W
17	Engine coolant temperature (ECT) sensor terminal 2	C50:7	Y-SB
18	ABS control module terminal 15	13/112	R
	Generator D+	13/112, C50:2	

Multi-connector C2 (light blue) at left A-post

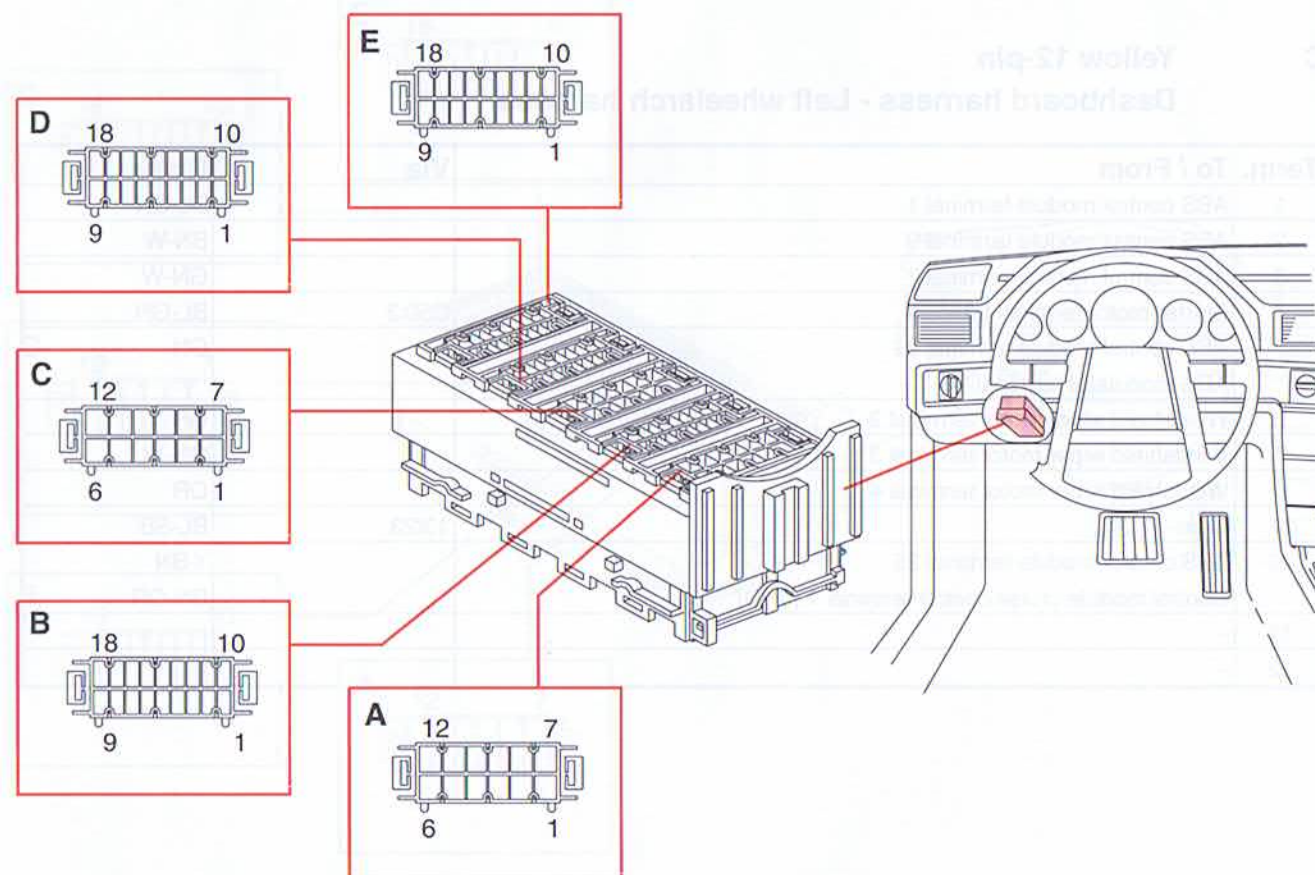
C Yellow 12-pin Dashboard harness - Left wheelarch harness

Term.	To / From	Via	Color
1	ABS control module terminal 1		BL-GN
2	ABS control module terminal 9		BN-W
3	ABS control module terminal 7		GN-W
4	Starter motor terminal 50	C50:3	BL-GN
5	ABS control module terminal 29		GN
	ABS modulator terminal 11		
6	Windshield wiper motor terminal 2		GR
7	Windshield wiper motor terminal 3		GN-W
8	Windshield wiper motor terminal 4		OR
9	Horn -	13/23	BL-SB
10	ABS control module terminal 25		Y-BN
	Control module cruise control terminal 7 (LHD)		BN-OR
11	-		
12	-		

D Red 18-pin Dashboard harness - Left wheelarch harness

Term.	To / From	Via	Color
1	Door switch		BN-SB
2	Door switch		W-SB
3	Control module cruise control terminal 10 (LHD)		BN-GR
4	Control module cruise control terminal 2 (LHD)		P-SB
	Vacuum pump cruise control terminal 2 (RHD)		GN-Y
5	Vacuum pump cruise control terminal 1 (RHD)		OR
6	Control module cruise control terminal 11 (LHD)		BL-OR
	Vacuum pump cruise control terminal 3 (RHD)		Y-R
7	Control module cruise control terminal 6 (LHD)		BL-GR
8	Control module cruise control terminal 4 (LHD)		OR-W
9	Control module cruise control terminal 3 (LHD)		OR-SB
10	Control module cruise control terminal 13 (LHD)		GN-OR
11	Control module cruise control terminal 14 (LHD)		Y
12	Oil pressure switch	C50:4	SB
13	Anti theft alarm, connector D4 terminal 3		BL-R
14	EZK control module terminal 1		Y-R
15	Outside temperature sensor terminal 1		GN-Y
16	Outside temperature sensor terminal 2		GN-R
17	Anti theft alarm, connector D4 terminal 1 (early version 1997)		GR-W
18	Anti theft alarm, connector D4 terminal 2 (early version 1997)	13/120	BN-P
	Alarm switch, hood		

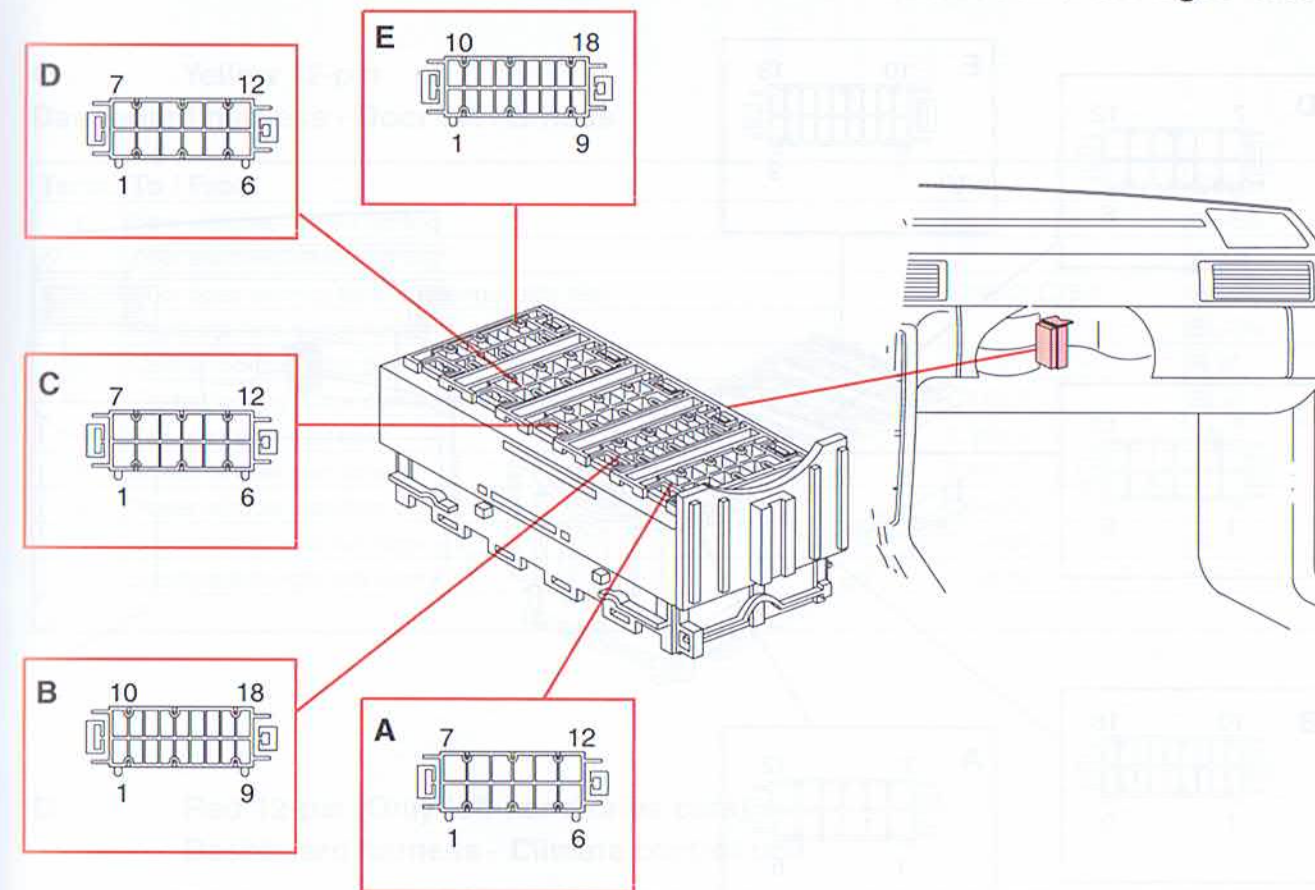
Multi-connector C2 (light blue) at left A-post



E White 18-pin Dashboard harness - Door sill harness

Term.	To / From	Via	Color
1	Stop (brake) lamp right		Y
2	License plate lighting	C22:2 (5DRS)	W
3	Turn signal lamp left rear		GN
4	Turn signal lamp right rear		BL-GN
5	Fuel level sensor terminal 2		GR-W
6	Speedometer pick-up -		BN-W
7	Speedometer pick-up +		GN-W
8	Tow hitch terminal 10		BL-GN
9	Fuel level sensor terminal 3		BN
10	-		
11	Tailgate wiper	C22:3	OR
12	Tailgate wiper	C22:4	Y-W
13	Power antenna terminal 3 antenna amplifier terminal 3		GN-GR
14	Tailgate switch (theft alarm)		BN-OR
15	Loudspeakers parcel shelf right-hand side + (not 5DRS, early version 1997)		P-W
16	Loudspeaker parcel shelf right-hand side - (not 5DRS, early version 1997)		P-SB
17	-		
18	-		

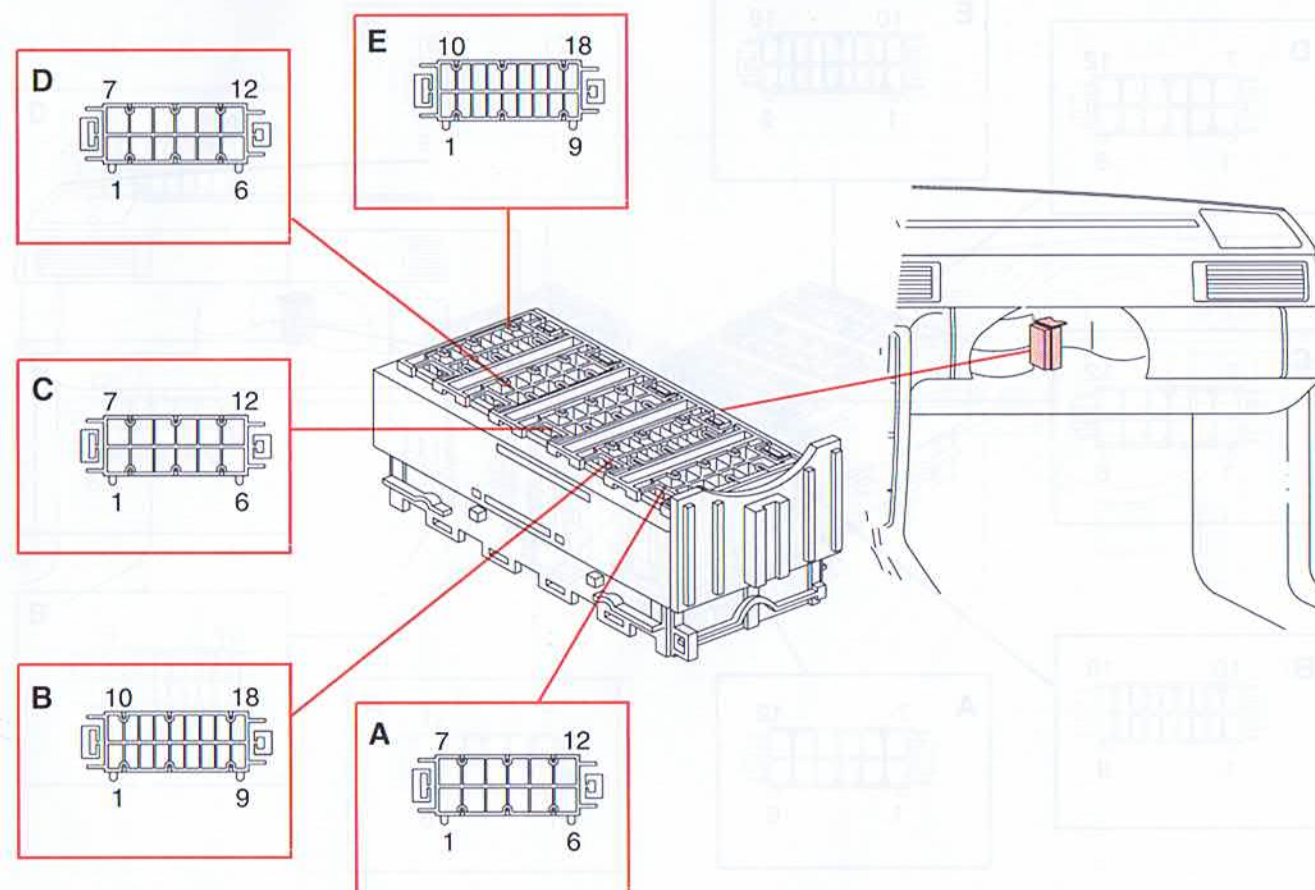
Multi-connector C3 (yellow) below dashboard on right side



A Green 12-pin Dashboard harness - Right wheelarch harness

Term.	To / From	Via	Color
1	High beam right		R-W
2	Low beam right	13/111 (LHD)	GN-W
	Actuator motor headlamp range adjustment right terminal 1		
3	Headlamp wiper motor right terminal 2		Y
4	Washer motor rear windshield terminal 1		BL-Y
5	Turn signal lamp right front		BL-GN
6	-		
7	Control module LH-Jetronic 2.4 terminal 4		W
8	-		
9	LH-Jetronic control module 2.4 terminal 30		P
10	LH-Jetronic 2.4 control module terminal 35		BL
11	LH-Jetronic 2.4 control module terminal 9	13/41	BL-Y
	Mass air flow (MAF) sensor terminal 5	13/41	
	PTC resistor preheating of air terminal 1	13/41	
	Idle air control (IAC) valve terminal 1	13/41, C54:4	
12	Front fog lamps		W-SB

**Multi-connector C3 (yellow)
below dashboard on right side**



**B Light blue 18-pin
Dashboard harness - Right wheelarch harness**

Term.	To / From	Via	Color
1	Alarm siren terminal 2		GN-R
2	Alarm siren terminal 3 Anti theft alarm horn terminal 1	13/119	BL-Y
3	Engine ground terminal (signal ground)	C55:2, 13/63	BN
4	Right parking lamps front		GR
5	Actuator motor headlamp range adjustment right terminal 2		GN-GR
6	Headlamp wiper motor right terminal 1 Windshield washer motor terminal 1	13/13	BN-OR
7	LH-Jetronic 2.4 control module terminal 12		GN-W
8	LH-Jetronic 2.4 control module terminal 22		BN-W
9	LH-Jetronic 2.4 control module terminal 1		Y-GR
10	LH-Jetronic 2.4 control module terminal 28		GR-R
11	Heated oxygen sensor (HO2S) terminal 1		P
12	LH-Jetronic 2.4 control module terminal 20		Y-SB
13	LH-Jetronic 2.4 control module terminal 15		GN-Y
14	LH-Jetronic 2.4 control module terminal 34		VO-W
15	Washer fluid level switch terminal 1		BL-W
16	LH-Jetronic 2.4 control module terminal 21		R
17	Alarm siren terminal 1		BL-R
18	-		

**Multi-connector C3 (yellow)
below dashboard on right side**

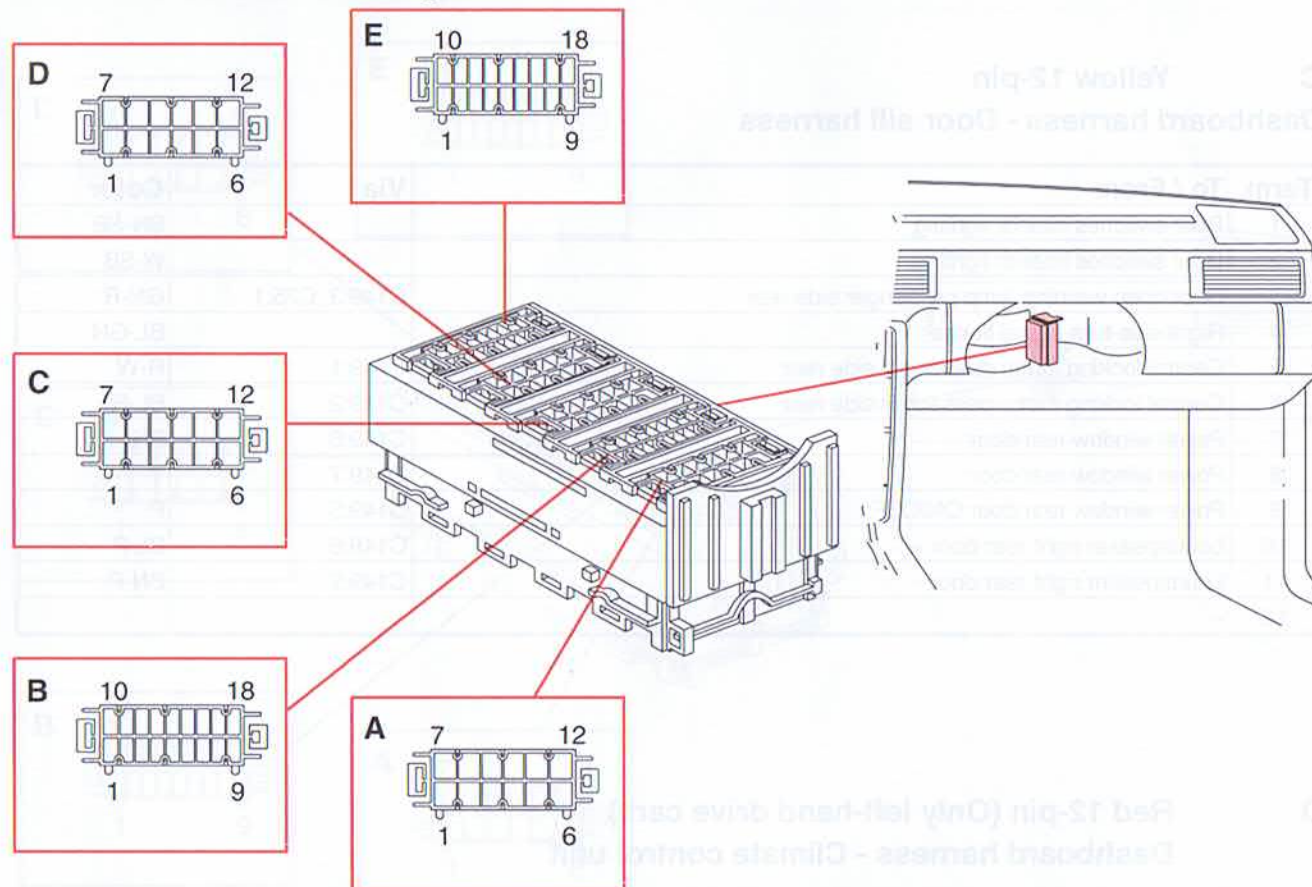
**C Yellow 12-pin
Dashboard harness - Door sill harness**

Term.	To / From	Via	Color
1	Door switches interior lighting		BN-SB
2	Door switches interior lighting		W-SB
3	Door open warning lamp passenger side rear	C149:3, C75:1	GN-R
4	Right side turn signal flasher		BL-GN
5	Central locking motor passenger side rear	C149:1	R-W
6	Central locking motor passenger side rear	C149:2	BL-R
7	Power window rear door	C149:6	BN
8	Power window rear door	C149:7	Y
9	Power window rear door ON/OFF	C149:5	P
10	Loudspeaker right rear door +	C149:8	BL-P
11	Loudspeaker right rear door -	C149:9	BN-P
12	-		

**D Red 12-pin (Only left-hand drive cars)
Dashboard harness - Climate control unit**

Term.	To / From	Via	Color
1	-		
2	Control module ECC terminal A:1 Control module ECC terminal A:2 Solenoid valves ECC terminal 1 Climate control system MCC terminal A:12 Climate control system MCC terminal C:1 Heater control terminal C:1	13/29 13/29 13/29 13/29 13/29	SB
3	Control module ECC terminal A:7 Climate control system MCC terminal A:11 Heater control terminal A:2		W
4	Control module ECC terminal A:20 Climate control system MCC terminal A:8		R
5	-		
6	-		
7	-		
8	-		
9	Control module ECC terminal A:16 Climate control system MCC terminal A:13 Heater control terminal A:1		BL
10	Control module ECC terminal A:23 Climate control system MCC terminal A:9		GN GN-Y
11	-		
12	-		

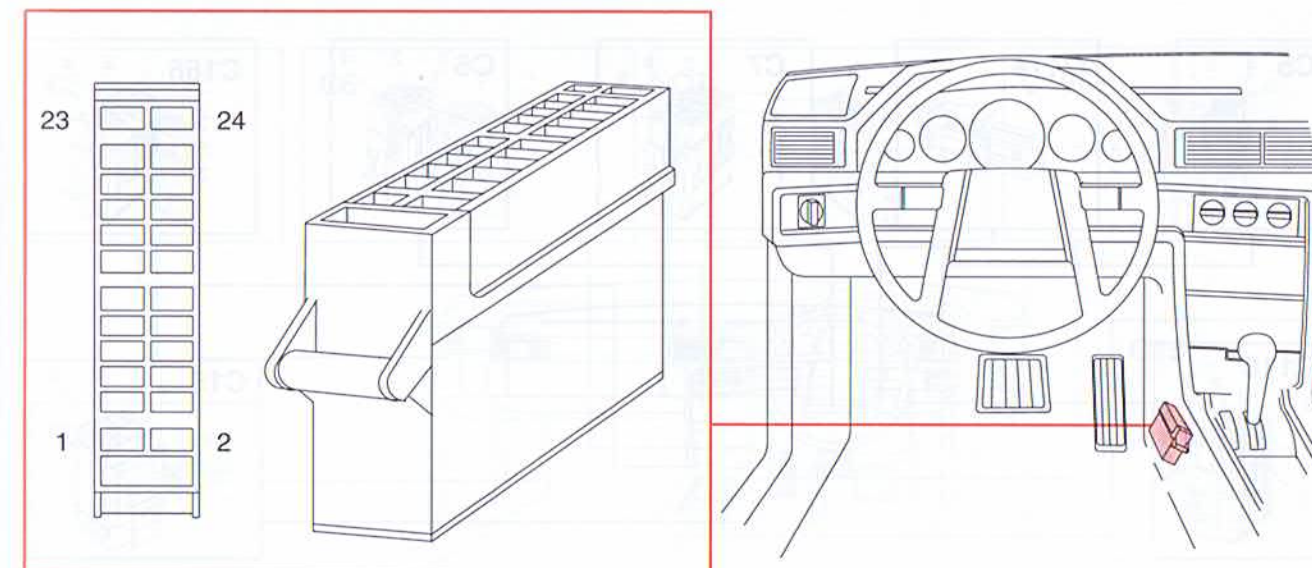
**Multi-connector C3 (yellow)
below dashboard on right side**



**E White 18-pin (Only right-hand drive cars)
Dashboard harness - Door sill harness**

Term.	To / From	Via	Color
1	-		
2	-		
3	Control module cruise control terminal 10		BN-GR
4	Control module cruise control terminal 2		P-SB
5	Control module cruise control terminal 7		BN-OR
6	Control module cruise control terminal 11		BL-OR
7	Control module cruise control terminal 6		BL-GR
8	Control module cruise control terminal 4		OR-W
9	Control module cruise control terminal 3		OR-SB
10	Control module cruise control terminal 13		GN-OR
11	Control module cruise control terminal 14		Y
12	-		
13	-		
14	-		
15	-		
16	Control module cruise control terminal 12		OR
17	Control module cruise control terminal 9		GN-Y
18	Control module cruise control terminal 1		Y-R

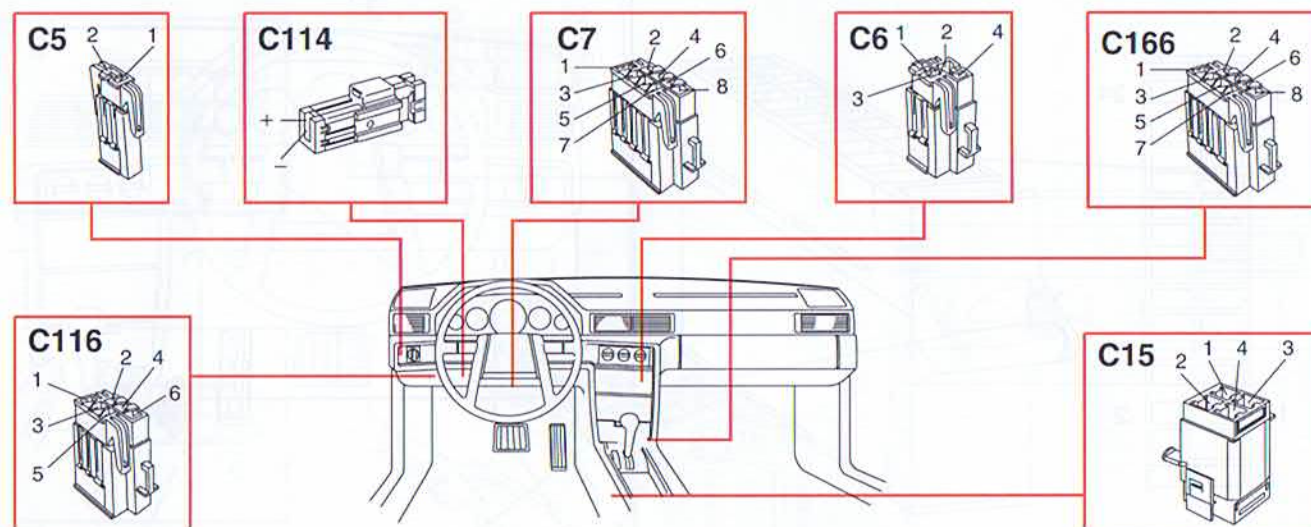
Connector C9



**C9 Black 24-pin
Dashboard harness-Tunnel harness**

Term.	To / From	Via	Color
1	Left-hand side heated seat switch terminal 1		R-SB
2	Driver's seat seat belt buckle terminal 3		GN
3	Right-hand side heated seat switch terminal 1		R-SB
4	Parking brake switch		BN
5	Ground terminal left seat support	13/91	SB
6	Switch illumination, seat heating terminal 1 Ashtray lighting rear		GR
7	Switch illumination, seat heating terminal 2 Ashtray lighting rear		BL
8	-		
9	-		
10	Data link connector (DLC) terminal 16		GR-R
11	Data link connector (DLC) terminal 13		Y
12	Data link connector (DLC) terminal 3		GN-GR
13	Data link connector (DLC) terminal 1		Y-R
14	Data link connector (DLC) terminal 12		BL-P
15	Data link connector (DLC) terminal 7 Supplemental Restraint System Crash Sensor terminal 9 Control module driver's seat terminal A:4	13/107 13/107 13/107, C39:4	GR-OR
16	-		
17	Control module driver's seat terminal A:1	C39:1	W-SB
18	Control module driver's seat terminal 2	C39:2	OR
19	-		
20	-		
21	-		
22	Supplemental Restraint System Crash Sensor terminal 7		BN-SB
23	Supplemental Restraint System Crash Sensor terminal 5		Y-SB
24	Supplemental Restraint System Crash Sensor terminal 12		R

Connectors C5, C6, C7, C15, C114, C116 and C166



C5 Black 2-pin
Instrument panel cable harness - Power sun roof cable harness

Term.	To / From	Via	Color
1	Sunroof motor terminal 1		BL
2	Sunroof motor terminal 2		R

C6 Natural 4-pin
Dashboard harness - Tailgate wiper harness

Term.	To / From	Via	Color
1	Tailgate wiper/washer switch terminal 1 Intermittent relay tailgate wiper terminal 4		OR
2	Intermittent relay tailgate wiper terminal 6		Y-W
3	Intermittent relay tailgate wiper terminal 3		BL-Y
4	-		

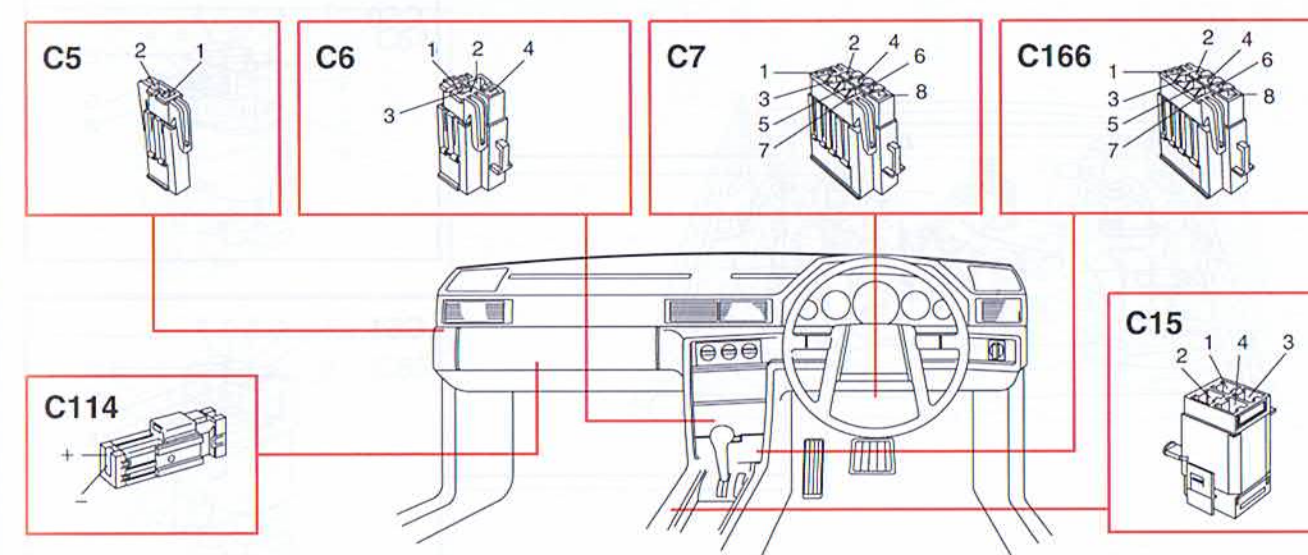
C7 Natural 8-pin
Dashboard harness - Pedal box harness

Term.	To / From	Via	Color
1	Stop (brake) lamp switch terminal 2		Y-BN
2	Stop (brake) lamp switch terminal 1		GN-Y
3	Brake switch		W-SB
4	Brake switch or Clutch switch		OR-SB
5	By-pass unit to terminal 6 (AUTO)		P
6	By-pass unit to terminal 5 (AUTO)		P
7	Stop (brake) lamp switch terminal 4 (AUTO)		BN
8	Stop (brake) lamp switch terminal 3 (AUTO)		BN-W

C15 Gray 4-pin
Passenger compartment transmission harness - Transmission harness

Term.	To / From	Via	Color
1	-		
2	-		
3	Back-up (reversing) lamp switch		SB
4	Back-up (reversing) lamp switch		BL-R

Connectors C5, C6, C7, C15, C114, C116 and C166



C114 Brown/black 2-pin
Dashboard harness - Left wheelarch harness

Term.	To / From	Via	Color
+	Junction point 13/113 (from battery)		R
-	Junction point 13/109 (from battery)		P

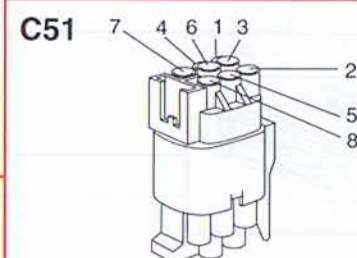
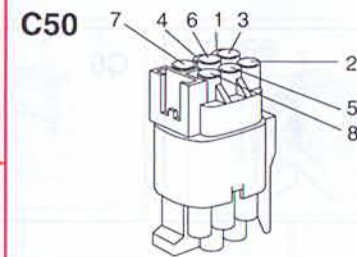
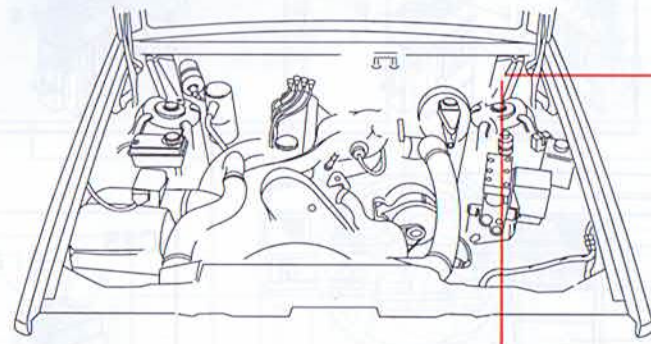
C116 Natural 6-pin (left-hand drive cars, early version 1997)
Dashboard - Immobilizer harness

Term.	To / From	Via	Color
1	Immobilizer control module terminal 6		GN-Y
2	Immobilizer control module terminal 5		BL
3	Immobilizer terminal terminal 8		BN
4	Immobilizer control module terminal 2		GN-W
5	Immobilizer control module terminal 1		GN-GR
6	Immobilizer control module terminal 3		GR-OR

C166 Black 8-pin
Dashboard harness - Passenger compartment transmission harness

Term.	To / From	Via	Color
1	Gear selector lever switch terminal 1 (AUTO)		SB
2	Gear selector lever switch terminal 2 (AUTO)		SB
3	Overdrive solenoid (AUTO)	C20:1 *)	Y BN *)
4	Oil pressure switch in the kick down (AUTO) *)	C20:2	BL
5	Park/Neutral position (PNP) switch (AUTO) By-pass unit to terminal 6 (MAN)		
6	Park/Neutral position (PNP) switch (AUTO) By-pass unit to terminal 5 (MAN)		
7	Back-up (reversing) lamp switch	C15:3 (MAN)	W (MAN) SB (AUTO)
8	Back-up (reversing) lamp switch	C15:4 (MAN)	GR (MAN) BL-R(AUTO)

*) AW71 certain markets

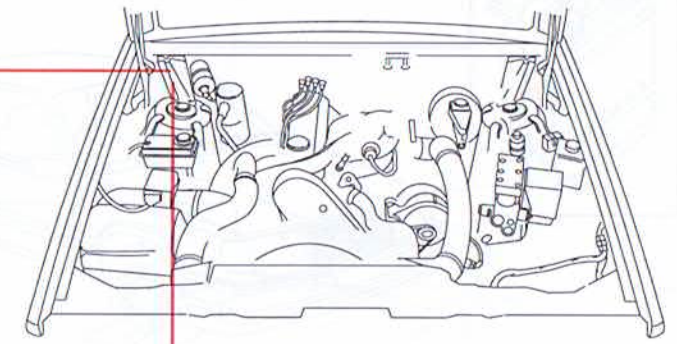
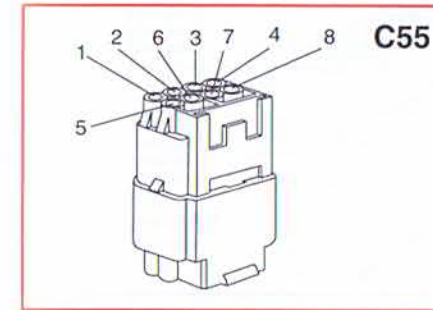
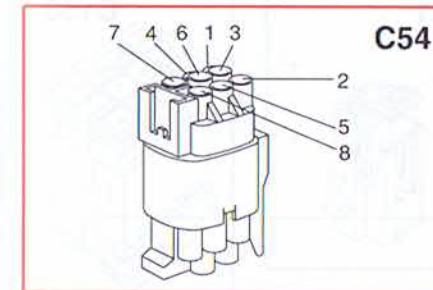


C50 Gray 8-pin
Left wheelarch harness - Engine harness

Term.	To / From	Via	Color
1	Engine coolant temperature (ECT) sensor terminal 1		Y-W
2	Generator (GEN) D+		R
3	Starter motor 50		BL-GN
4	Oil pressure switch		SB
5	Control module LH terminal 10	C54:5	BL-SB
6	Magnetic clutch A/C Terminal 2, connector C54 by the right suspension turret	13/55	GN-R
7	Engine coolant temperature (ECT) sensor terminal 2		Y-SB
8	Ignition coil 1		R-W

C51 Black 8-pin
Left wheelarch harness - Engine harness

Term.	To / From	Via	Color
1	Control module LH terminal 25	C55:1	Y
2	Ground, control module EZK terminal 20 Ground, temperature sensor EGR (early version 1997) Terminal 2, connector C55 by the right suspension turret	13/70	BN
3	Knock sensor (KS) terminal 1		GN
4	Control module LH terminal 2 Throttle position (TP) switch terminal 1	13/82	C55:4 13/82.
5	Temperature sensor EGR (early version 1997)		Y-SB
6	Knock sensor terminal 2		SB
7	Engine coolant temperature (ECT) sensor fuel-/ ignition system terminal 2		R-SB
8	Ground, ignition discharge module (IDM) EZK terminal 2 Ground, control module EZK terminal 14 (early version 1997) Ground, throttle position (TP) switch terminal 2 Terminal 6, connector C54 by right suspension turret	13/62 13/35	SB

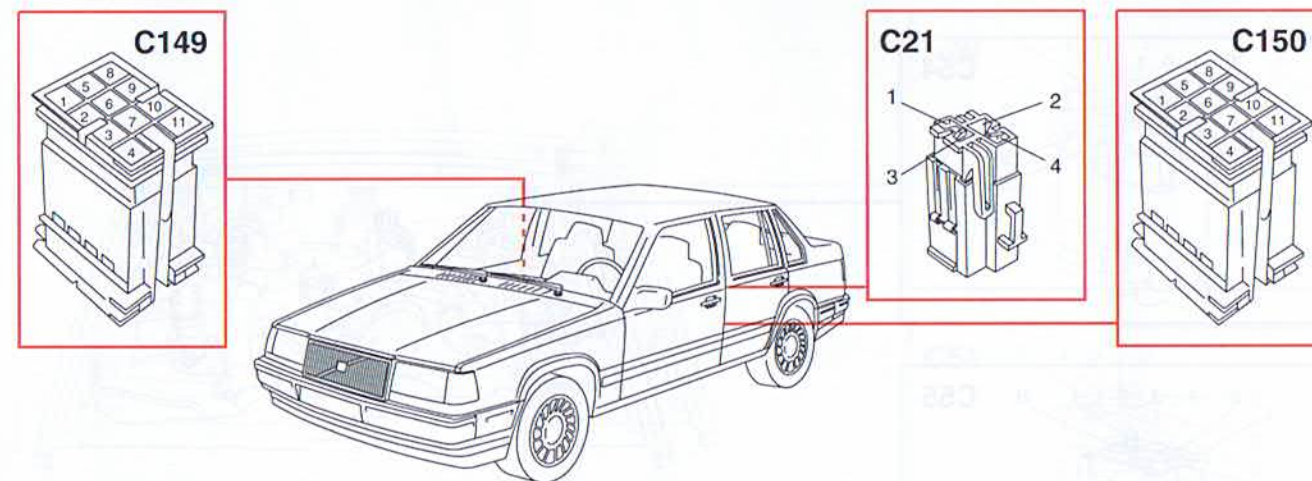


C54 Black 8-pin
Right wheelarch harness-Engine harness

Term.	To / From	Via	Color
1	High power system (accessories) from control module LH terminal 28		GR-R
2	Magnetic clutch A/C High-Pressure Switch air conditioning (A/C) terminal 2	13/55 13/55	C50:6
3	Injectors	13/44	GR
4	Idle air control (IAC) valve terminal 1		BL-Y
5	Low speed pressure switch engine cooling fan (FC) terminal 2 Engine cooling fan (FC) relay terminal B1	C50:5, 13/87	BL-SB
6	Ground, control module LH terminal 17 Terminal 8, connector C51 by left suspension turret	13/35	SB
7	Idle air control (IAC) valve terminal 2		R-SB
8	-		

C55 Gray 8-pin
Right wheelarch harness - Engine harness

Term.	To / From	Via	Color
1	Control module EZK terminal 8	C51:1	Y
2	Ground, control module LH terminal 5, 19 and 29 Ground, mass air flow (MAF) sensor terminal 1 Terminal 2, connector C51 by left suspension turret	13/70	BN
3	-		
4	Control module EZK terminal 7 Throttle position (TP) switch terminal 1	13/82, C51:4 13/82	
5	-		
6	Control module LH terminal 11, from connector C132 terminal 6		W-SB
7	Engine coolant temperature (ECT) sensor fuel/ ignition system terminal 1		GR-W
8	High power system (Accessories) from throttle position (TP) switch terminal 3		R-W



C21 **Black 4-pin**
Door sill harness - Interior lighting harness

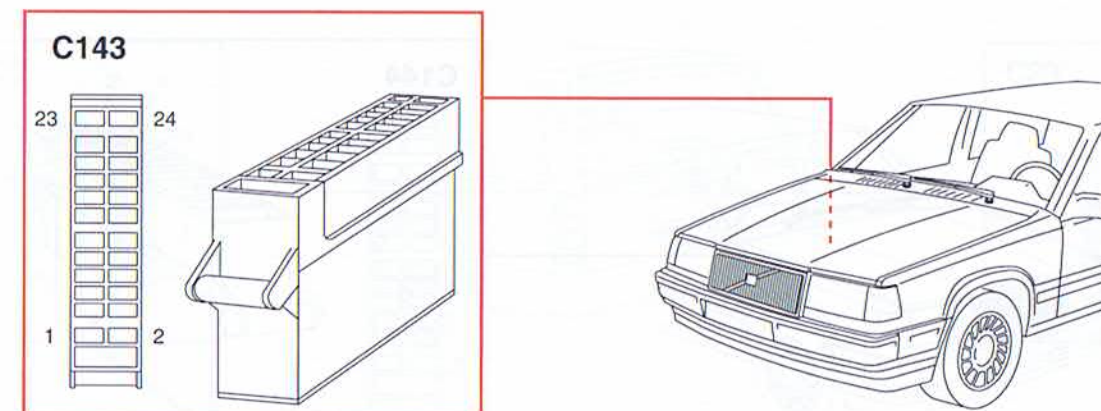
Term.	To / From	Via	Color
1	Roof lamp interior lighting terminal 2		W-SB
2	Roof lamp interior lighting terminal 4		GN-R
3	Roof lamp interior lighting terminal 1		SB
4	Roof lamp interior lighting terminal 3		BN-SB

C149 **Natural 11-pin**
Right door sill harness - Rear door harness

Term.	To / From	Via	Color
1	Central locking opening		R-W
2	Central locking closing		BL-R
3	Door open warning lamp		GN-R
4	Door open warning lamp		BL-SB
5	Power window ON/OFF		P
6	Power window motor		GN-BN
7	Power window motor		Y-GR
8	Loudspeaker +		BL-W
9	Loudspeaker -		BN-SB
10	-		
11	-		

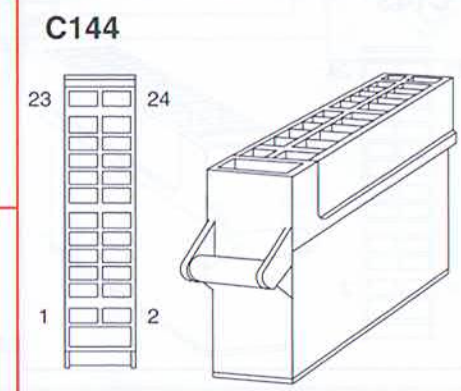
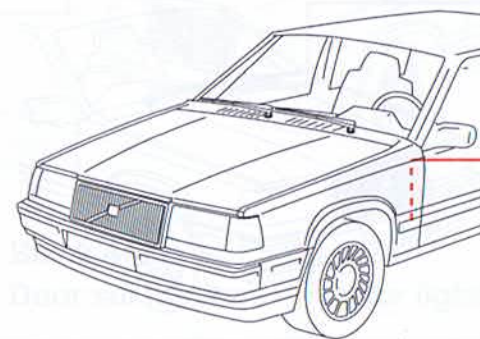
C150 **Natural 11-pin**
Door sill harness - Rear door harness

Term.	To / From	Via	Color
1	Central locking opening		R-W
2	Central locking closing		BL-R
3	Door open warning lamp		GN-R
4	Door open warning lamp		BL-SB
5	Power window ON/OFF		P
6	Power window motor		GN-BN
7	Power window motor		Y-GR
8	Loudspeaker +		BL-W
9	Loudspeaker -		BN-SB
10-11	-		



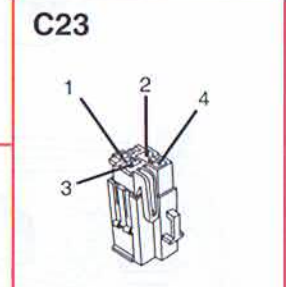
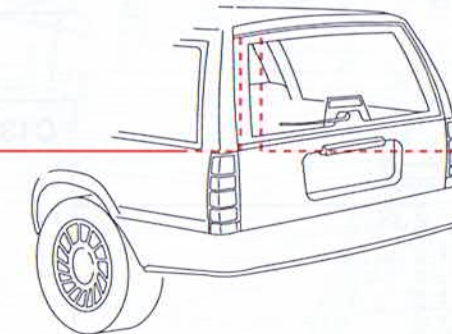
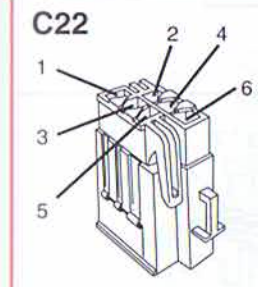
C143 **Black 24-pin**
Dashboard harness - Passenger door harness

Term.	To / From	Via	Color
1	Warning lamp		GN-R
2	Warning lamp		W-SB
3	Loudspeaker +		GN-W
4	Loudspeaker -		BL-SB
5	Central locking opening		R-W
6	Central locking closing		BL-R
7	Heated door mirror terminal 5		BL-GN
8	Power door mirror terminal 2		BL-W
9	Power door mirror terminal 1		BN-W
10	-		
11	Power door mirror terminal 4		GN-W
12	-		
13	-		
14	-		
15	-		
16	-		
17	-		
18	-		
19	-		
20	-		
21	Ground lead, power door mirror terminal 3		SB
22	Power window motor terminal 3		BL
23	Power window motor terminal 5		R
24	Power window motor supply terminal 4		Y-R



C144 Black 24-pin
Dashboard - Driver's door harness

Term.	To / From	Via	Color
1	Warning lamp		GN-R
2	Warning lamp		W-SB
3	Loudspeaker +		GN-W
4	Loudspeaker -		BL-SB
5	Central locking opening		R-W
6	Central locking closing		BL-R
7	Heated door mirror		BL-GN
8	Power door mirror passenger door		BL-W
9	Power door mirror passenger door		W
10	Power door mirror supply		OR
11	Power door mirror passenger door		GN-W
12	Ground lead, central locking		BN-SB
13	Central locking opening		GN-SB
14	Central locking closing		Y-SB
15	Power window motor rear door passenger side terminal 1		BN
16	Power window motor rear door passenger side terminal 2		Y
17	Power window motor rear door driver's side terminal 1		GN
18	Power window motor rear door driver's side terminal 2		GR
19	ON/OFF power window motor rear doors		P
20	Power window motor supply	13/38	BL-GN
21	Ground lead power window motor power door mirror	13/37	SB
22	Power window motor passenger door		BL
23	Power window motor passenger door		R
24	-		

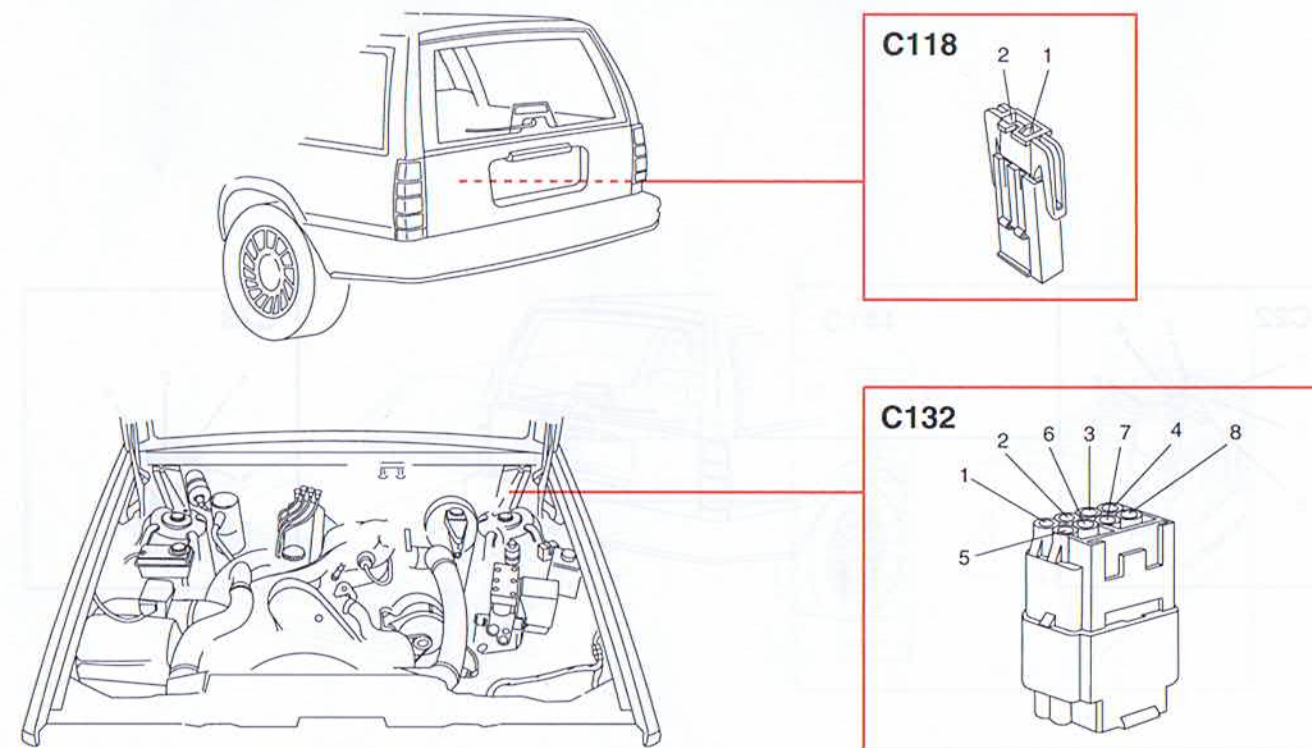


C22 Black 6-pin (Only 5-door)
Door sill harness - Tailgate harness

Term.	To / From	Via	Color
1	Rear demist		Y
2	License (number) plate lighting		W
3	Tailgate wiper		OR
4	Tailgate wiper		Y-W
5	High-mounted stop (brake) lamps	C118:1	Y-SB
6	License (number) plate lighting	C118:2	SB
	Contact breaker central locking motor tailgate	C118:2	SB

C23 Black 4-pin (Only 5-door)
Door sill harness - Tailgate harness

Term.	To / From	Via	Color
1	Central locking motor tailgate		R-W
2	Central locking motor tailgate		BL-R
3	-		
4	Contact breaker central locking motor tailgate		BN-W

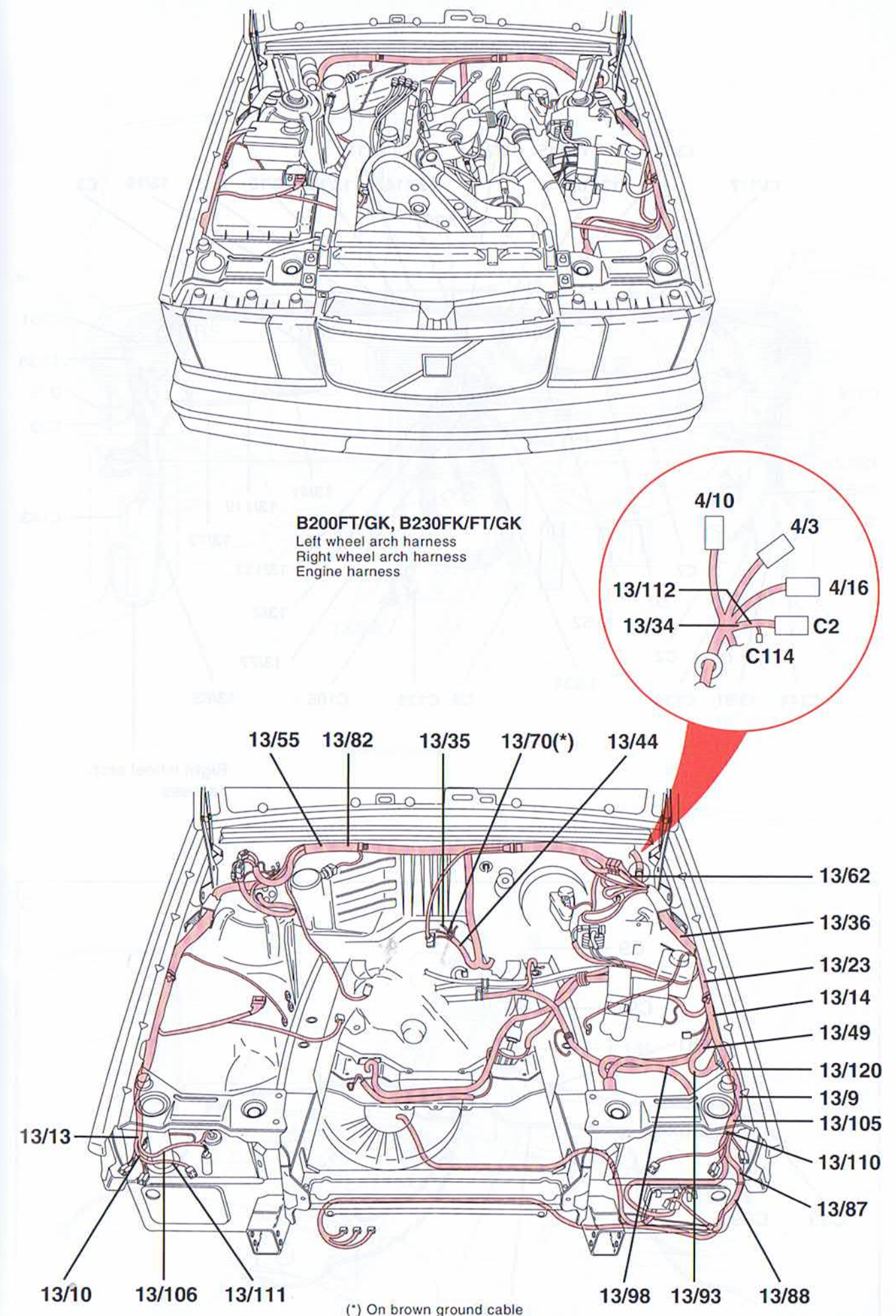


C118 Gray 2-pin (Only 5-door)
Tailgate harness - High-mounted stop (brake) lamps harness

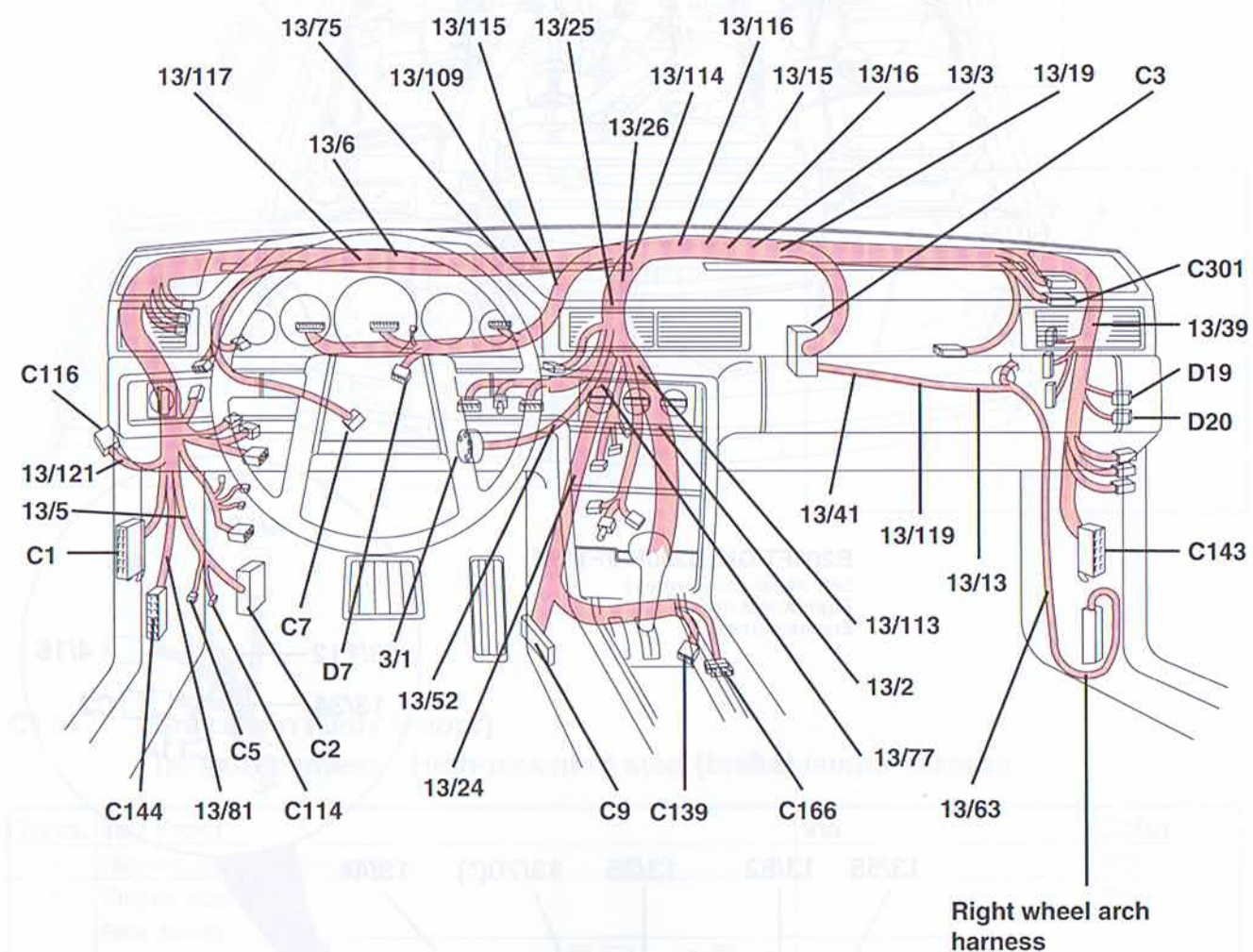
Term.	To / From	Via	Color
1	High-mounted stop (brake) lamps		Y-SB
2	Tailgate wiper Rear demist High-mounted stop (brake) lamps		SB

C132 Gray 8-pin
Left wheelarch harness - Engine harness

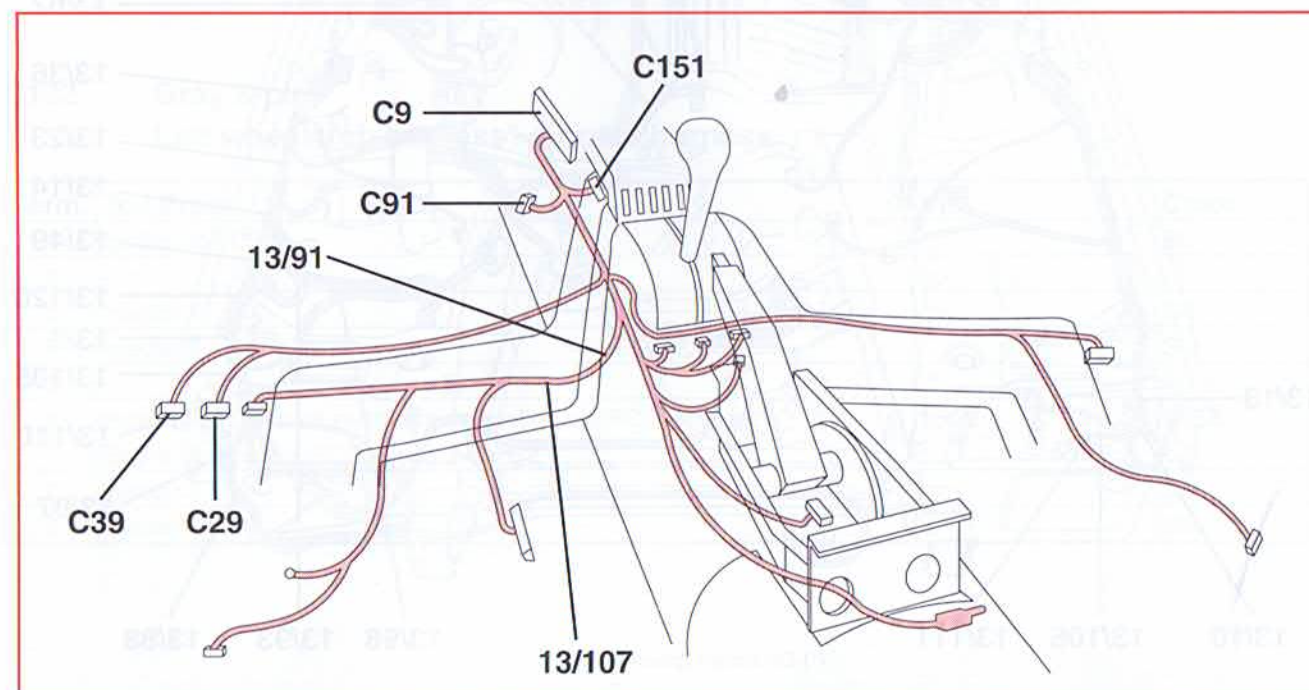
Term.	To / From	Via	Color
1	Ignition coil 15		BL
2	-		
3	Injector 1		GN
4	Injector 2		GN
5	-		
6	High-speed pressure switch engine cooling fan (FC) terminal 2 Engine cooling fan (FC) relay terminal B2	13/88	W-SB
7	Injector 3		GN
8	Injector 4		GN



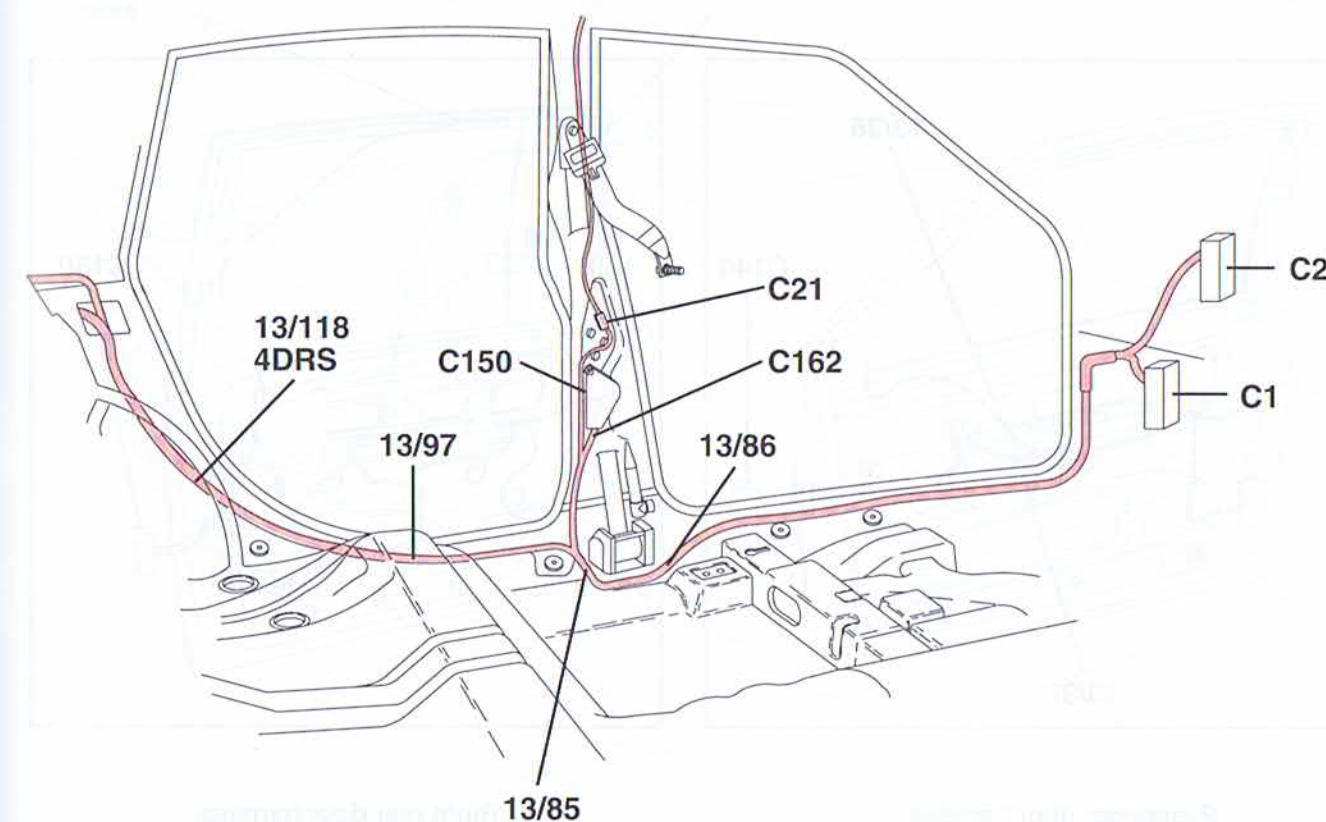
Instrument panel harness



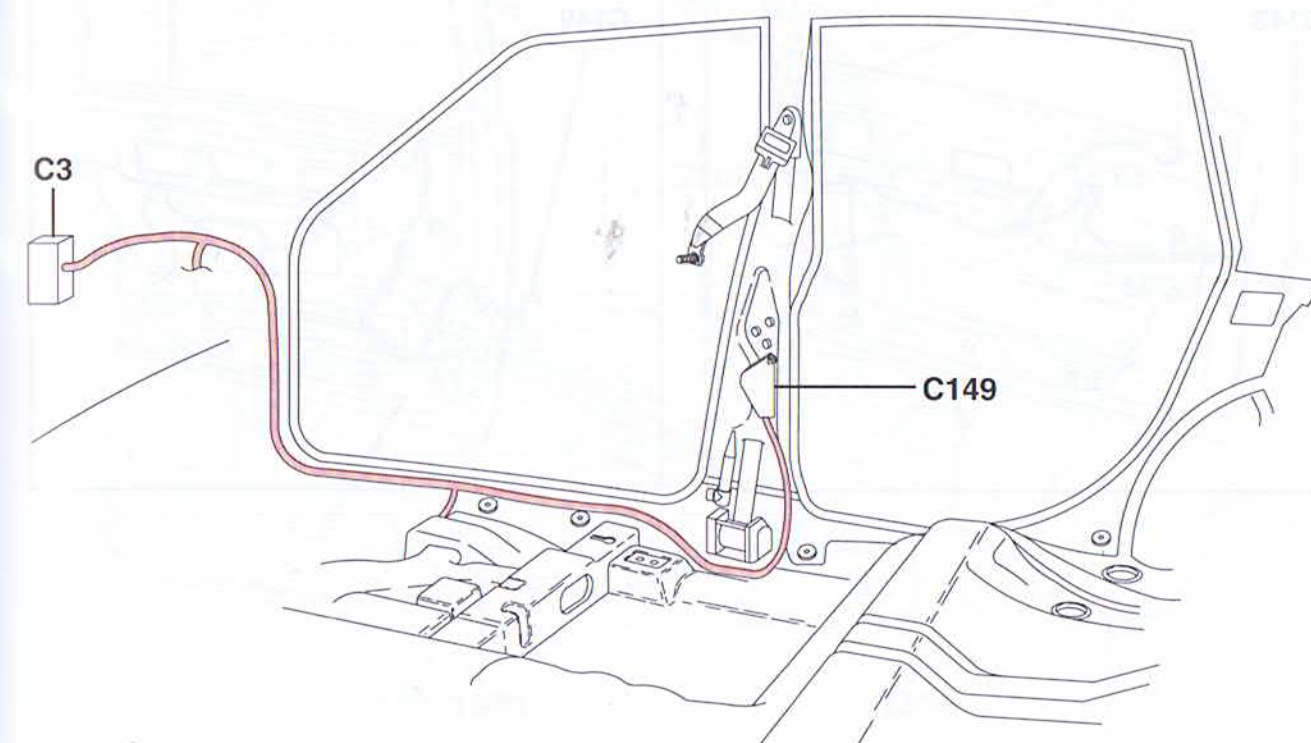
Tunnel harness



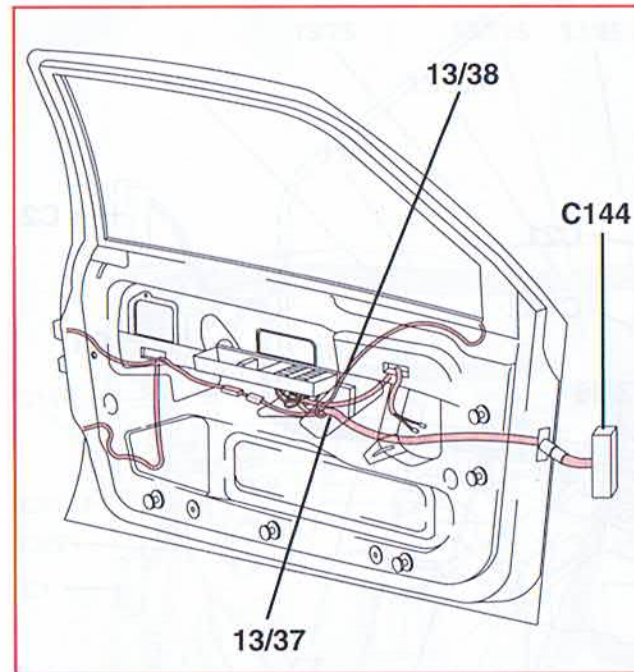
Door sill harness



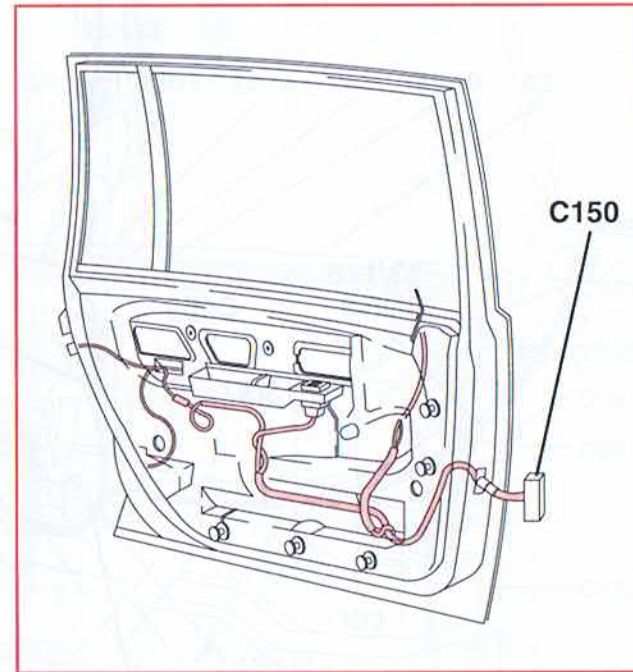
Sill harness



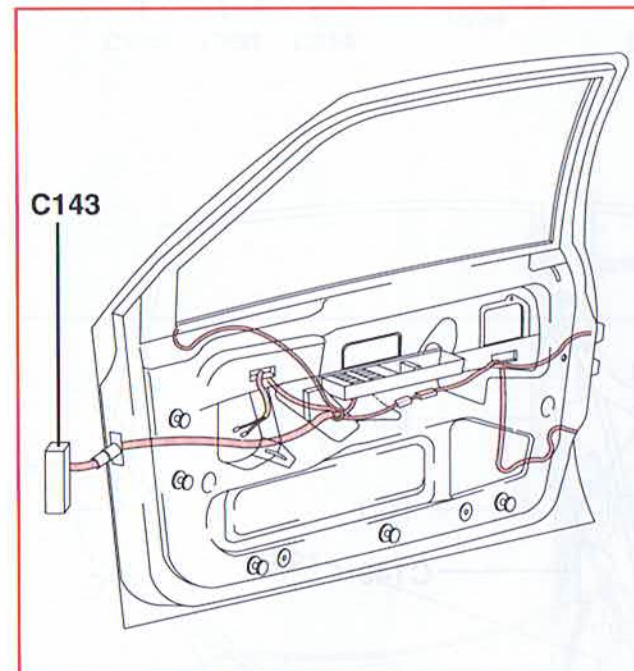
Driver door harness



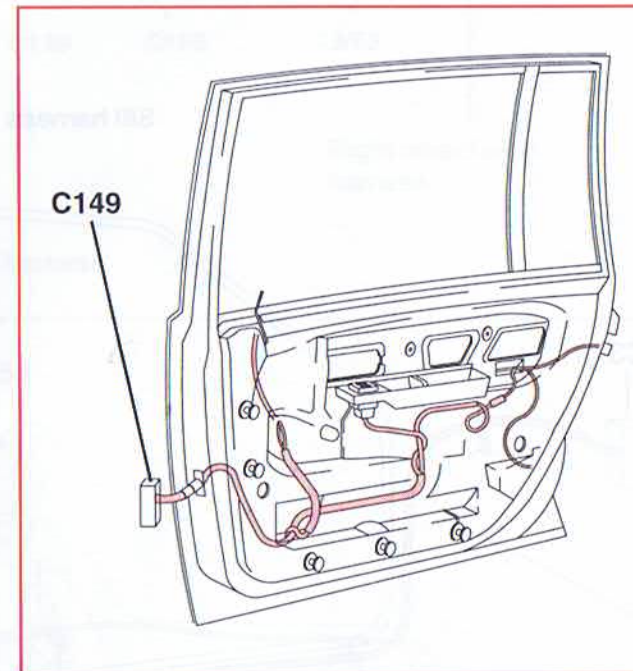
Left rear door harness



Passenger door harness

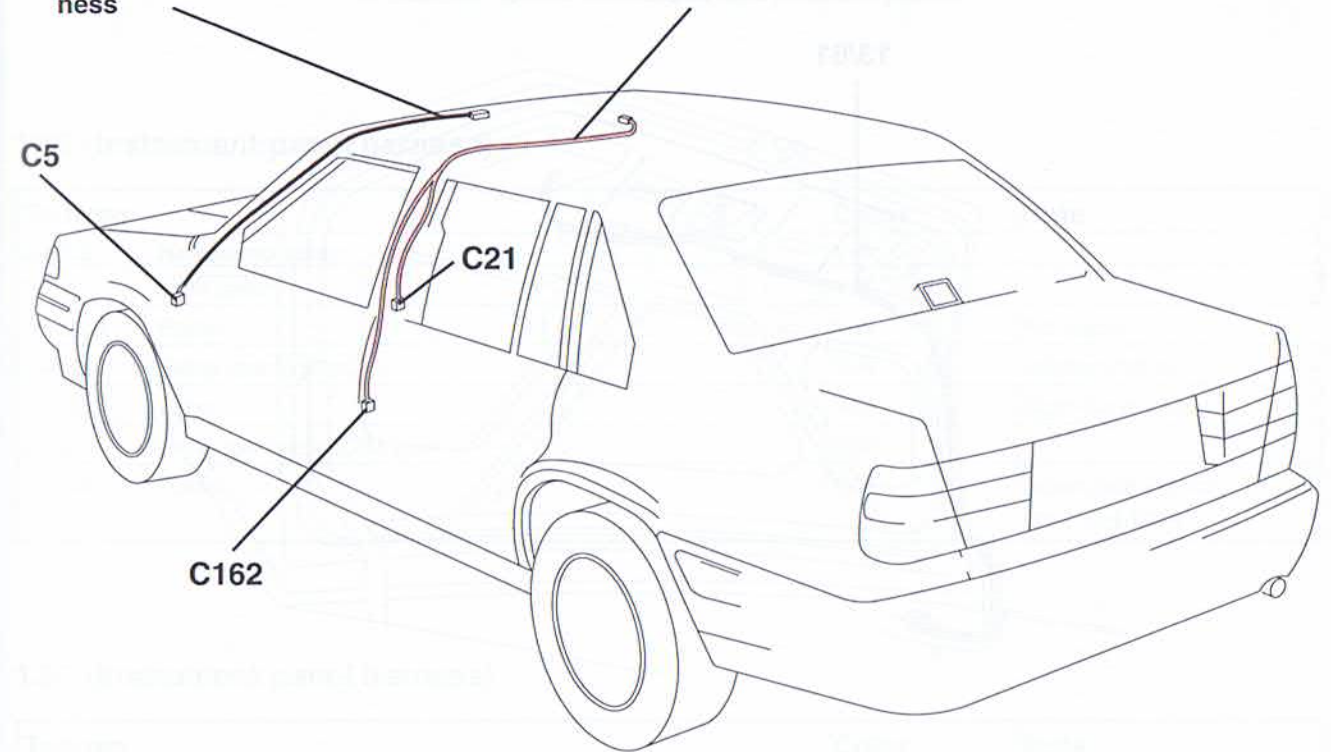


Right rear door harness

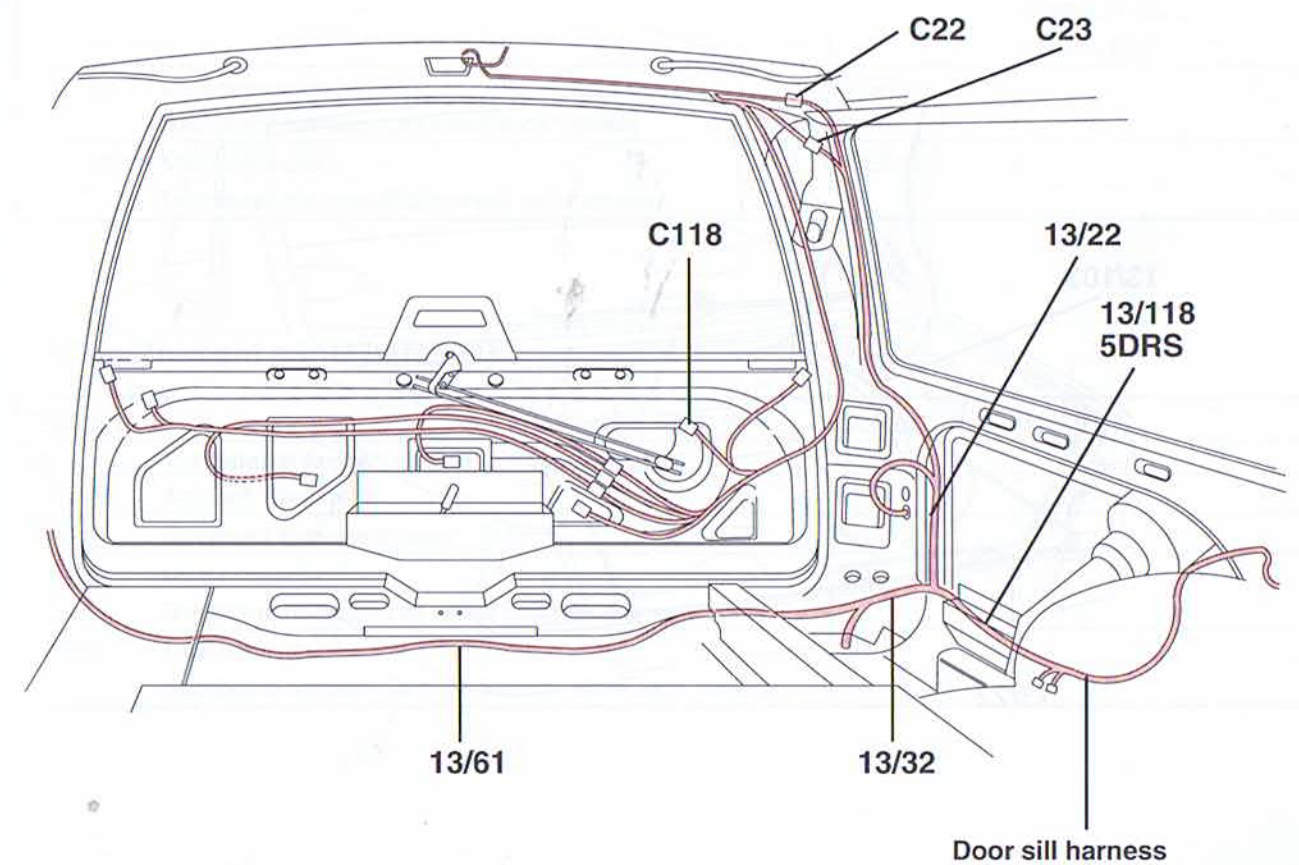


Power sunroof harness

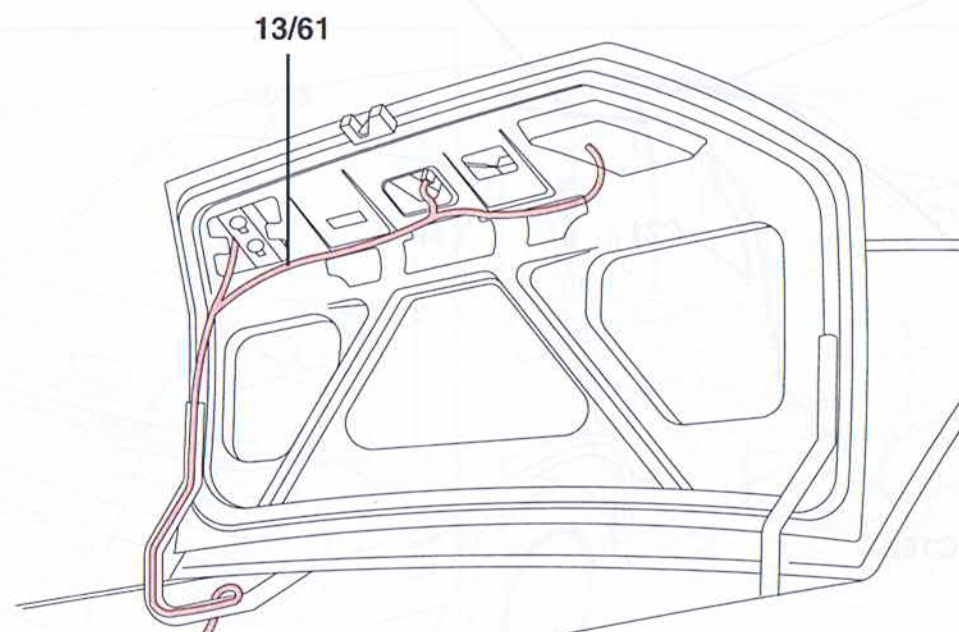
Interior lighting harness



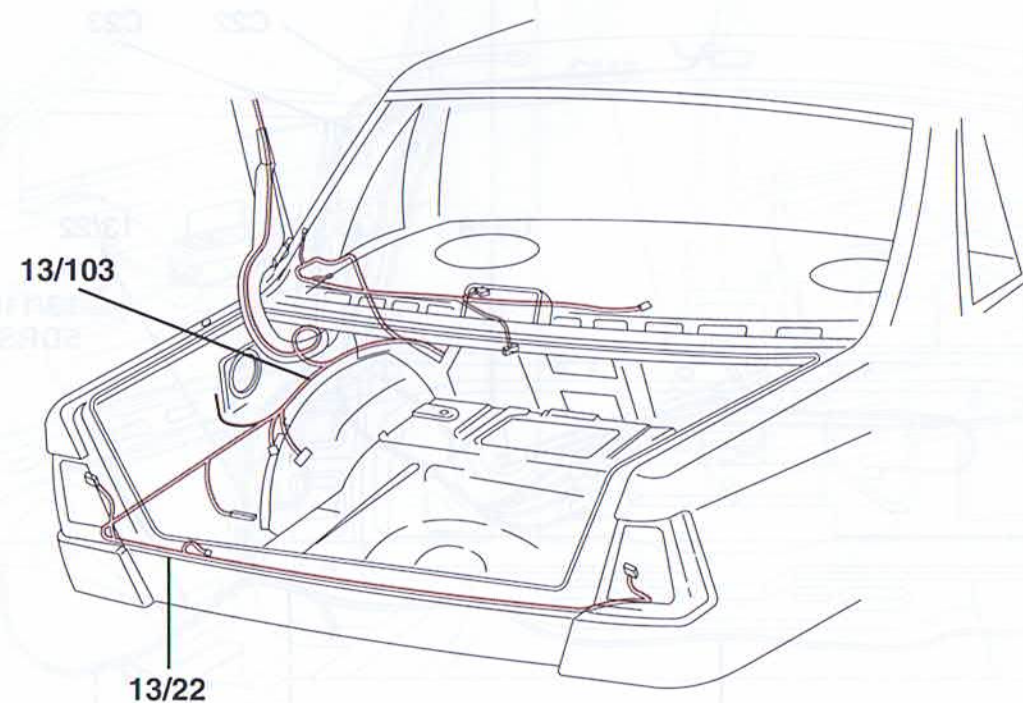
Tailgate harness



Door sill harness



Door sill harness



General

Junction point locations in car, see pages 35-40
in section "Cable harnesses and junction points"

13/2 (Instrument panel harness)

To/from		Color	Note
2/37:2	Headlamp relay	Y-W	
3/2:4	Light switch	Y-W	
16/1A:5	Radio	Y-W	Not Japan
2/49:2	Relay rear foglamp	Y-W	Left-hand drive
11/25:1	Fuse	Y-W	Right-hand drive
2/3:2	Relay low beam (DIM-DIP)	Y-W	
16/1:4	Radio	Y-W	Japan, late version 1997 and 1998

13/3 (Instrument panel harness)

To/from		Color	Note
2/34:3	Front fog lamps relay	W-SB	
2/49:5	Relay rear foglamp	W-SB	Left-hand drive
3/99:3	Front fog lamps switch	W-SB	Early version 1997. Only Sweden Thereafter all
3/7:6	Fog lamp switch	W-SB	Does not apply to Sweden Applies to early version 1997
C2/A:12	Multi-connector Dashboard harness- Left wheel arch harness	W-SB	
C3/A:12	Multi-connector Dashboard harness- Right wheel arch harness	W-SB	

13/5 (Instrument panel harness)

To/from		Color	Note
3/5:5	Turn signal lamp/high and low beam switch	GN	
2/28A:3	Anti theft alarm relay	GN	
5/1B:14	Combined instrument panel	GN	
C2/A:5	Multi-connector Dashboard harness- Left wheel arch harness	GN	
C2/E:3	Multi-connector Dashboard harness- Door sill harness wheel arch harness	GN	

13/6 (Instrument panel harness)

To/from	Color	Note
3/5:4 Turn signal lamp/high and low beam switch	BL-GN	
2/28A:5 Anti theft alarm relay	BL-GN	
5/1A:1 Combined instrument panel	BL-GN	
C2/E:4 Multi-connector Dashboard harness- Door sill harness wheel arch harness	BL-GN	
C3/A:5 Multi-connector Dashboard harness- Right wheel arch harness	BL-GN	
C3/C:4 Multi-connector Dashboard harness- Door sill harness wheel arch harness	BL-GN	

13/9 (Left wheelarch harness)

To/from	Color	Note
31/2 Ground left front fender	SB	
2/12:1 Radio suppression relay	SB	
6/4:3 Left headlamp wiper motor	SB	
6/38:3 Actuator motor left	SB	Left-hand drive
7/4:2 Brake fluid level switch	SB	

13/10 (Right wheel arch harness)

To/from	Color	Note
31/1 Ground right front fender	SB	
6/2:2 Windshield washer motor	SB	
6/3:3 Right headlamp wiper motor	SB	
6/30:2 Rear windshield washer motor	SB	5 doors
6/39:3 Actuator motor right	SB	Left-hand drive
7/5:2 Washer fluid level sensor	SB	
7/15:2 Heated oxygen sensor (HO2S)	SB	
7/47:2 PTC resistor preheating of air	SB	

13/13 (Right wheel arch harness)

To/from	Color	Note
6/2:1 Windshield washer motor	BN-OR	
6/3:1 Right headlamp wiper motor	BN-OR	
C3/B:6 Multi-connector Dashboard harness- Right wheel arch harness	BN-OR	

13/14 (Left wheelarch harness)

To/from	Color	Note
C2/A:3 Multi-connector Dashboard harness- Left wheel arch harness	Y	
6/1:1 Windshield wiper motor	Y	
6/4:2 Left headlamp wiper motor	Y	
16/10:1 Horn 1	Y	
16/11:1 Horn 2	Y	

13/15 (Dashboard harness)

To/from	Color	Note
2/7:5 Central locking relay	R-W	
C1:18 Connector Dashboard harness-Door sill harness	R-W	
C3/C:5 Multi-connector Dashboard harness- Right wheel arch harness	R-W	
C143:5 Connector by A pillar passenger side	R-W	
C144:5 Connector by A pillar driver's side	R-W	

13/16 (Instrument panel harness)

To/from	Color	Note
2/7:3 Central locking relay	BL-R	
C1:19 Connector Dashboard harness-Door sill harness	BL-R	
C3/C:6 Multi-connector Dashboard harness- Right wheel arch harness	BL-R	
C143:6 Connector by A pillar passenger side	BL-R	
C144:6 Connector by A pillar driver's side	BL-R	

13/19 (Instrument panel harness)

To/from	Color	Note
11/5:4 Fuse	GN-R	
3/36:2 Contact breaker glove compartment lighting	GN-R	
5/1B:4 Combined instrument panel	GN-R	
10/115 Vanity mirror lighting passenger side	GN-R	
C3/C:3 Multi-connector Dashboard-Sill harness	GN-R	
C143:1 Connector at A-post passenger side	GN-R	
C144:1 Connector at A-post driver's side	GN-R	

13/22 (Door sill harness)

To/from	Color	Note
31/11 Ground terminal left tail lamp	SB	5-doors
31/13 Ground terminal in the cargo compartment	SB	4 door
6/33-2:4 Fuel pump (FP)	SB	
6/34:4 Power antenna	SB	4-door
10/17:5 Right tail lamp	SB	4-door
10/18:5 Left tail lamp	SB	4-door
10/19:2 High-mounted stop (brake) lamps	SB	4-doors
10/22 Roof lamp (via connector C21:3 left B-post)	SB	
10/25:2 Cargo compartment lamp	SB	5-doors
16/16:4 Antenna amplifier	SB	5-doors
C22:6 Connector at tailgate	SB	5 doors
D5:3 Connector tow hitch	SB	

13/23 (Left wheelarch harness)

To/from	Color	Note
C2/C:9 Multi-connector Dashboard harness-left wheel arch harness	BL-SB	
16/10:2 Horn 1	BL-SB	
16/11:2 Horn 2	BL-SB	

13/24 (Instrument panel harness)

To/from	Color	Note
3/1:50 Ignition switch	P	
C2/A:9 Multi-connector Dashboard harness-Left wheel arch harness	P	
C3/A:9 Multi-connector Dashboard harness-Right wheel arch harness	P	
C7:5 Connector at steering column	P	
C166:6 Connector at central electrical unit	P	

13/25 (Instrument panel harness)

To/from	Color	Note
11/21:2 Fuse	W	
3/59:4 Headlamp range adjustment	W	
3/70:1 Rheostat setting	W	
5/1B:13 Combined instrument panel	W	
5/3 Outside temperature gauge (via connector D7:2 outside temperature gauge)	W	
10/35 Power sun roof switch lighting	W	Right-hand drive
10/36 Control panel lighting	W	
10/72 Ashtray lighting front	W	
10/103 Heated rear windshield/door mirrors switch lighting	W	
10/104 Light switch illumination	W	
16/1:7 Radio	W	Japan
16/1:A10 Radio	W	Not Japan
C2/B:4 Multi-connector Dashboard harness-Left wheel arch harness	W	
C2/E:2 Multi-connector Dashboard harness-Door sill harness	W	
C3/D:3 Multi-connector Dashboard harness-Climate control	W	Left-hand drive
D1:3 Connector at dashboard	W	Left-hand drive

13/26 (Instrument panel harness)

To/from	Color	Note
5/1B:12 Combined instrument panel	BL	
3/59:2 Headlamp range adjustment	BL	
3/70:4 Rheostat setting	BL	
5/3 Outside temperature gauge (via connector D7:1 outside temperature gauge)	BL	
10/35 Power sun roof switch lighting	BL	Right-hand drive
10/36 Control panel lighting	BL	
10/72 Ashtray lighting front	BL	
10/103 Heated rear windshield/door mirrors switch lighting	BL	
16/1:8 Radio	BL	Japan
16/1:A11 Radio	BL	Not Japan
C3/D:9 Multi-connector Dashboard harness-Climate control	BL	Left-hand drive
C9:7 Connector Dashboard harness- Tunnel harness	BL	
C139:3 Connector at gear selector	BL	
D1:1 Connector at dashboard	BL	Right-hand drive
D20:3 Accessories connector at A-post passenger side	BL	

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

To/from		Color	Note
11/16	Fuses (via multi-connector C3/D:2 for left-hand drive and via connector C19:1 at the dashboard for right-hand drive)	SB	
4/6:1,2	Control module ECC	SB	
4/40A:12, C:1	MCC climate control system	SB	
8/2:1	ECC solenoid valves	SB	

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

To/from		Color	Note
31/10	Ground terminal right A-post	W-SB	Left-hand drive
31/6	Ground terminal left A-post	W-SB	Right-hand drive
2/10:A2	Power unit ECC	W-SB	
4/6:3,4	ECC control module	W-SB	
6/28:1	Blower fan motor	W-SB	MCC
20/18:1	Blower fan resistance	W-SB	MCC

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

To/from		Color	Note
11/6	Fuse (via connector C160:3,4 at dashboard)	R-SB	ECC
2/10:1	Power unit ECC	R-SB	
4/6:21	Control module ECC	R-SB	
6/28:1	Blower fan motor	R-SB	ECC

13/32 (Door sill harness)

To/from		Color	Note
C1:4	Connector Dashboard harness-Door sill harness	BN-P	
10/48	Right back-up (reversing) lamp	BN-P	5-door
10/55	Left back-up (reversing) lamp	BN-P	5-door
D5:8	Connector tow hitch	GR-SB	5-door

13/34 (Left wheelarch harness)

To/from		Color	Note
C2A:10	Multi-connector Dashboard harness-Left wheel arch harness	BL	
4/10:6	EZ-K ignition system control module	BL	
4/15:4	Ignition discharge module (IDM) EZK ignition system	BL	
8/17:2	EGR converter	BL	Only early version EGR-system 1997

13/35 (Engine harness)

To/from		Color	Note
31/32	Ground terminal on engine (power ground)	SB	
3/50:2	Throttle position (TP) switch	SB	
C51:8	Connector Left wheel arch harness-Engine harness	SB	
C54:6	Connector Right wheel arch harness-Engine harness	SB	

13/36 (Left wheelarch harness)

To/from		Color	Note
1/1	Battery	R	
2/12:4	Radio suppression relay	R	
C2/A:11	Multi-connector Dashboard harness-Left wheel arch harness	BN	

13/37 (Driver door harness)

To/from		Color	Note
C144:21	Connector at A-post driver's side	SB	
3/15:5	Power window switch driver's door for driver's door	SB	
3/16:5	Power window switch driver's door for driver's side rear	SB	
3/17:5	Power window switch driver's door for passenger side front	SB	
3/18:5	Power window switch driver's door for passenger side rear	SB	
3/23:4	Power door mirror switch driver's side	SB	
3/24:4	Power door mirror switch passenger side	SB	
6/13:3	Power door mirror driver's side	SB	
2/20:5	Power window relay autodown	SB	

13/38 (Driver door harness)

To/from		Color	Note
C144:20	Connector at A-post driver's side	BL-GN	
3/15:4	Power window switch driver's door for driver's door	BL-GN	
3/16:4	Power window switch driver's door for driver's side rear	BL-GN	
3/17:4	Power window switch driver's door for passenger side front	BL-GN	
3/18:4	Power window switch driver's door for passenger side rear	BL-GN	
3/22:1	Contact breaker for rear power windows	BL-GN	
2/20:3	Power window relay autotdown	BL-GN	

13/39 (Instrument panel harness)

To/from		Color	Note
31/10	Ground terminal right A-post	SB	
2/3:4	Relay low beam (DIM-DIP)	SB	Great Britain
2/28A:2	Anti theft alarm	SB	
3/7:3	Fog lamp switch	SB	Right-hand drive
3/70:6	Rheostat setting	SB	
10/29	Glove compartment lighting	SB	
10/104	Light switch illumination	SB	Right-hand drive
10/115	Vanity mirror lighting passenger side	SB	Left-hand drive
C143:21	Connector at A-post passenger side	SB	
C144:21	Connector at A-post driver's side	SB	
D7:4	Connector outside temperature gauge	SB	

13/41 (Right wheel arch harness)

To/from		Color	Note
C3/A:11	Multi-connector Dashboard harness-Right wheel arch harness	BL-Y	
4/23:9	LH-Jetronic 2.4 control module	BL-Y	
7/17:5	Mass air flow (MAF) sensor	BL-Y	
7/47:1	PTC resistor preheating of air	BL-Y	
C54:4	Connector Engine harness-Right wheel arch harness	BL-Y	

13/44 (Engine harness)

To/from		Color	Note
C54:3	Connector Right wheel arch harness-Engine harness	GR	
8/6:2-8/9:2	Injectors	GR	

13/49 (Left wheelarch harness)

To/from		Color	Note
2/12:3	Radio suppression relay	BL	
20/15:2	Ballast resistor	BL	
C132:1	Connector Left wheel arch harness-Engine harness	BL	

13/52 (Instrument panel harness)

To/from		Color	Note
3/1:15	Ignition switch	BL-R	
5/1A:2	Combined instrument panel (fuse 11/41 in the instrument)	BL-r	
11/12:1	Fuse	BL-R	

13/55 (Engine harness)

To/from		Color	Note
8/3:1	Air conditioning (A/C) magnetic clutch	GN-R	
C50:6	Connector Left wheel arch harness-engine harness	GN-R	
C54:2	Connector Right wheel arch harness-engine harness	GN-R	

13/61 (Door sill harness)

To/from	Color	Note
31/13 Ground terminal in the cargo compartment	SB	
3/78:8 Tailgate lock unit	SB	4 door
10/3:2 Number plate lamp	SB	4 door
10/17:5 Right tail lamp	SB	
10/18:5 Left tail lamp	SB	

13/62 (Left wheelarch harness)

To/from	Color	Note
C51:8 Connector Left wheel arch harness-Engine harness	SB	
4/10:14 EZ-K ignition system control module	SB	
4/15:2 Ignition discharge module (IDM) ignition system EZK	SB	

13/63 (Right wheel arch harness)

To/from	Color	Note
C3/B:3 Multi-connector Dashboard harness-Right wheel arch harness,	BN	
4/23:5 LH-Jetronic 2.4 control module	BN	
4/23:19 LH-Jetronic 2.4 control module	SB	
4/23:29 LH-Jetronic 2.4 control module	BN-SB	
7/17:1 Mass air flow (MAF) sensor	BN	
C55:2 Connector Right wheel arch harness-Engine harness	BN	

13/70 (Engine harness)

To/from	Color	Note
31/33 Ground terminal on motor (ground terminal)	BN	
7/37:2 Temperature sensor EGR	BN	
C51:2 Connector Left wheel arch harness-Engine harness	BN	
C55:2 Connector Right wheel arch harness-Engine harness	BN	

13/75 (Instrument panel harness)

To/from	Color	Note
5/1C:3 Combined instrument panel	R	
C2/B:18 Multi-connector Dashboard harness-Left wheel arch harness	R	
C3/D:4 Multi-connector Dashboard harness-Climate control	R	Left-hand drive
C9:24 Connector Dashboard harness-Tunnel harness	R	
D1:4 Connector at the dashboard	R	Right-hand drive

13/81 (Instrument panel harness)

To/from	Color	Note
C144:19 Connector by A-post driver's side	P	
C1:22 Connector Dashboard harness-Door sill harness	P	
C3/C:9 Connector Dashboard harness-Sill harness	P	

13/82 (Engine harness)

To/from	Color	Note
3/50:1 Throttle position (TP) switch	OR	
C51:4 Connector Left wheel arch harness-Engine harness	OR	
C55:4 Connector Right wheel arch harness-Engine harness	OR	

13/85 (Door sill harness)

To/from		Color	Note
C1:18	Connector Dashboard harness-Door sill harness	R-W	
3/78:6	Lock unit trunk lid	R-W	4-door
C23:1	Connector at tailgate	R-W	5-door
C150:1	Connector at B-post left-hand side	R-W	

13/86 (Door sill harness)

To/from		Color	Note
C1:19	Connector Dashboard harness-Door sill harness	BL	
3/78:7	Trunk lid lock unit	BL-R	4-door
C23:2	Connector at tailgate	BL-R	5-door
C150:2	Connector at B-post left-hand side	BL-R	

13/87 (Left wheelarch harness)

To/from		Color	Note
C50:5	Connector Left wheel arch harness-engine harness	BL-SB	
2/11:B1	Relay engine cooling fan (FC)	BL-SB	
7/38:2	Low speed pressure switch engine cooling fan (FC)	BL-SB	

13/88 (Left wheelarch harness)

To/from		Color	Note
C132:6	Connector Left wheel arch harness-Engine harness	W-SB	
2/11:B2	Relay engine cooling fan (FC)	W-SB	
7/40:2	High-speed pressure switch engine cooling fan (FC)	W-SB	

13/91 (Tunnel harness)

To/from		Color	Note
31/66	Ground terminal left seat support	SB	
3/44:4	Seat belt buckle driver's seat	SB	
3/91	Heated seat switch left-hand side	SB	
3/92	Heated seat switch right-hand side	SB	
9/12	Heated driver's seat	SB	
9/13	Heated front passenger seat	SB	
C9:5	Connector Dashboard harness-Tunnel harness	SB	

13/92 (Dashboard harness not shown in illustration)

To/from		Color	Note
11/26:2	Fuse	GN-R	Japan
16/2:4, 11	Amplifier	GN-R	Japan
D19:4	Connector carphone at A-post passenger side	GN-R	
D20:4	Accessories connector at A-post passenger side	GN-R	

13/93 (Left wheelarch harness)

To/from		Color	Note
4/15:1	Ignition discharge module (IDM) ignition system EZK	R-W	
C2/B:14	Multi-connector Dashboard harness-Left wheel arch harness	R-W	
C50:8	Connector Left wheel arch harness-Engine harness	R-W	

13/97 (Door sill harness)

To/from		Color	Note
C1:14	Connector Dashboard-Door sill harness	GN-R,	
6/34:1	Power antenna (via connector C98:1 by power antenna)	GN-R	4-door
7/100:2	Tilt sensor	GN-R	
10/22:4	Roof lamp (via connector C21:2 B-post left-hand side)	GN-R	
10/24:1	Cargo compartment lighting	GN-R	4-door
10/25:1	Cargo compartment lamp (via connector C98:1 by power antenna)	GN-R	5-door
C150:3	Connector at B-post right-hand side	GN-R	

13/98 (Left wheelarch harness)

To/from		Color	Note
1/1	Battery	GR	
2/11A:1	Relay engine cooling fan (FC)	R	

Junction points

13/102 (Dashboard harness not shown in illustration)

To/from		Color	Note
31/10	Ground terminal right A-post	SB	
16/1:10	Radio	SB	
16/2:1,14	Amplifier	SB	
16/15:2	CD changer (via connector C167:2 by CD changer)	SB	

13/103 (Door sill harness)

To/from		Color	Note
C1:7	Connector Dashboard harness-Door sill harness	VO-W	4-door
10/46:6	Right rear fog lamp	VO-W	4-doors
10/53:6	Left rear fog lamp	VO-W	4-door
D5:2	Tow hitch connector	VO-W	4-doors

13/105 (Left wheelarch harness)

To/from		Color	Note
31/2	Ground left front fender	SB	
3/62:B	Alarm switch hood	SB	
7/38:1	Low speed pressure switch engine cooling fan (FC)	SB	
7/40:1	High-speed pressure switch	SB	
10/1:4	Left headlamp	SB	
10/11:3	Left front parking lamps	SB	
10/13:3	Left turn signal lamp front	SB	
10/15:2	Left side turn signal flasher	SB	

13/106 (Right wheel arch harness)

To/from		Color	Note
31/1	Ground right front fender	SB	
10/2:4	Right headlamp	SB	
10/12:3	Right parking lamps front	SB	
10/14:3	Right turn signal lamp front	SB	
16/19:2	Anti theft alarm horn	SB	
16/35:4	Alarm siren	SB	

Junction points

13/107 (Tunnel harness)

To/from		Color	Note
17/13: 7	Data link connector (DLC)	GR-OR	
4/9:9	Supplemental Restraint System Crash Sensor	GR-OR	
4/29A:4	Driver's seat control module (via connector C39:4 by driver's seat)	GR-OR	
C9:15	Connector Dashboard harness-Tunnel harness	GR-OR	

13/109 (Instrument panel harness)

To/from		Color	Note
C114	Connector Dashboard harness-Left wheel arch harness	P	
2/37:1	Headlamp relay	R	
2/50:1	Overload relay high beam	R	
3/1:30	Ignition switch	R	

13/110 (Left wheelarch harness)

To/from		Color	Note
C2/A:2	Multi-connector Dashboard harness-Left wheel arch harness	GN	Left-hand drive
6/38:1	Actuator motor left	GN	Left-hand drive
10/70:2	Left low beam	GN	Left-hand drive

13/111 (Right wheel arch harness)

To/from		Color	Note
C3/A:2	Multi-connector Dashboard harness-Right wheel arch harness	GN-W	Left-hand drive
6/39:1	Actuator motor right	GN-W	Left-hand drive
10/66:2	Right low beam	GN-W	Left-hand drive

13/112 (Left wheelarch harness)

To/from		Color	Note
C2/B:18	Multi-connector Dashboard harness-Left wheel arch harness	R	
4/16:15	ABS control module	R	
C50:2	Connector Left wheel arch harness-Engine harness	R	

Junction points

13/113 (Instrument panel harness)

To/from		Color	Note
C114	Connector Dashboard harness-Left wheel arch harness	R	
11/2:1	Fuse	R	
11/26:1	Fuse	GN-R	
15/2	30-rail in the central electrical unit	R	

13/114 (Instrument panel harness)

To/from		Color	Note
11/26:2	Fuse	GN-R	
16/1A:12	Radio	R	
16/15	CD-changer (via connector C167:1 at CD player)	GN-R	
D19:4	Carphone connector at the A-post passenger side	GN-R	
D20:4	Accessories connector at A-post passenger side	GN-R	

13/115 (Instrument panel harness)

To/from		Color	Note
5/1D:1	Combined instrument panel	VO-W	
2/8:6	Overdrive relay	VO-W	
C2/D:10	Multi-connector Dashboard harness-Left wheel arch harness	GN-OR	Left-hand drive
C3/B:14	Multi-connector Dashboard harness-Right wheel arch harness	VO-W	
C3/E:10	Multi-connector Dashboard harness-Sill harness	GN-OR	Right-hand drive

13/116 (Instrument panel harness)

To/from		Color	Note
11/14:3	Fuse	OR	
5/3	Outside temperature gauge (via connector D7:3 outside temperature gauge)	OR	
C9:18	Connector Dashboard harness-Tunnel harness	OR	
D19:2	Carphone connector at A-post passenger side	OR	

Junction points

13/117 (Instrument panel harness)

To/from		Color	Note
2/28C:5	Anti theft alarm relay	OR	
7/101:3	Glass breakage sensor	OR	
C1:23	Connector Dashboard harness-door sill harness	UR	

13/118 (Door sill harness)

To/from		Color	Note
C1:3	Connector Dashboard harness-Door sill harness	Y-R	
10/19:1	High-mounted stop (brake) lamps	Y-R	4-door
10/50:1	Left stop (brake) lamp	Y-R	5-door
10/50:6	Left stop (brake) lamp	Y-R	4-door
C22:5	Connector at tailgate	Y-R	5-door

13/119 (Right wheel arch harness)

To/from		Color	Note
C3/B:2	Multi-connector Dashboard harness-Right wheel arch harness	BL-Y	
16/19:1	Anti theft alarm horn	BL-Y	
16/35:3	Alarm siren	BL-Y	

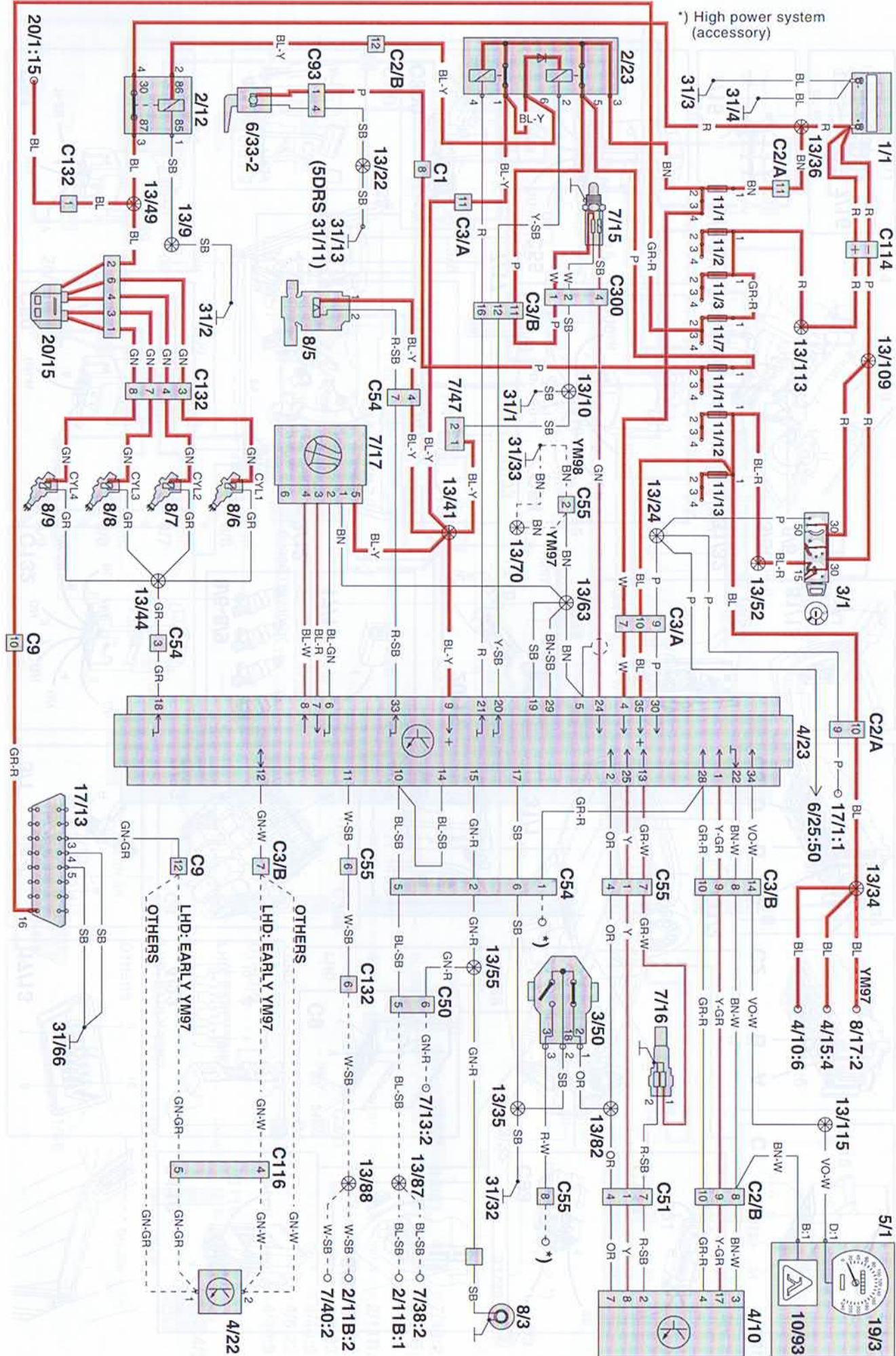
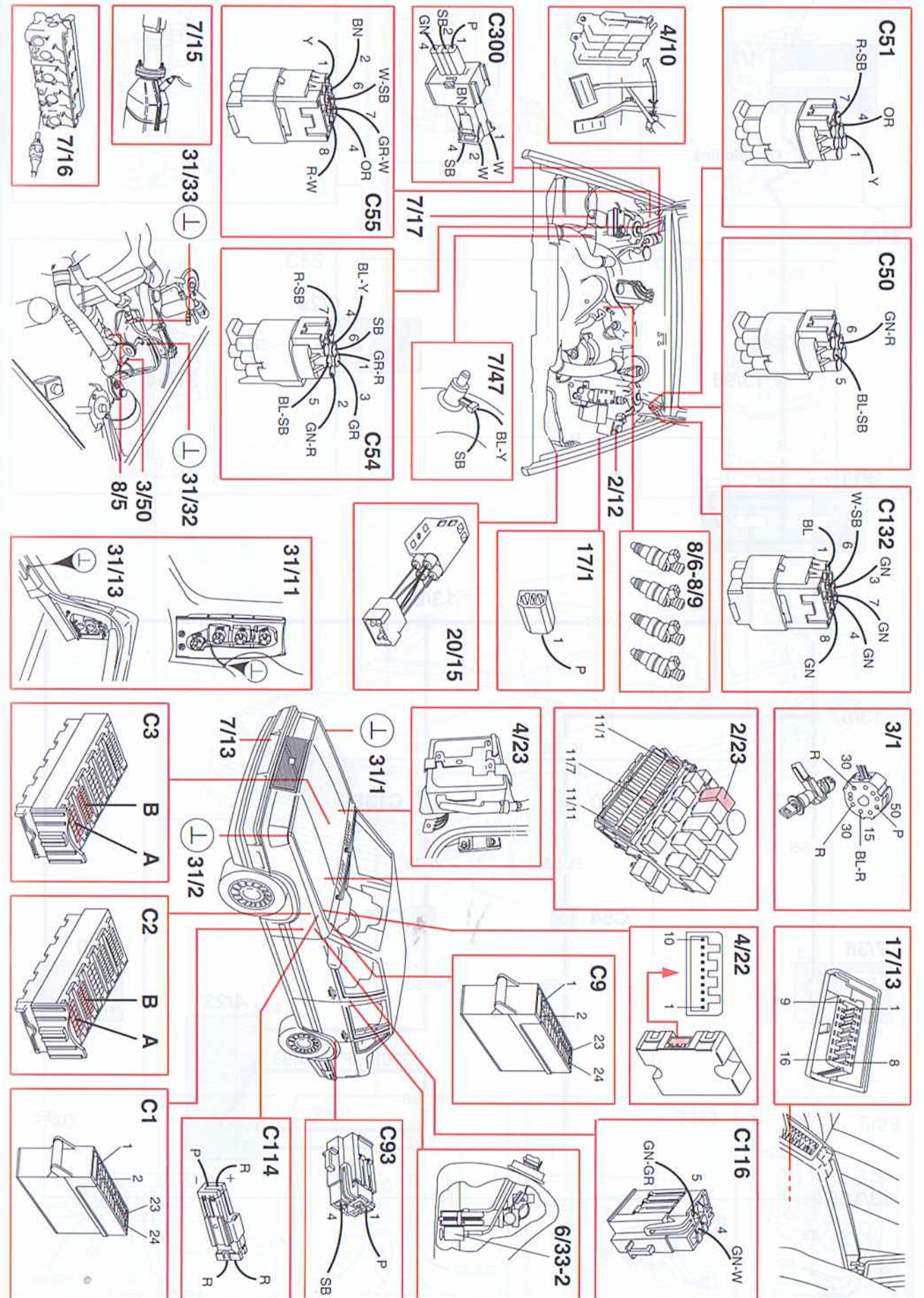
13/120 (Left wheelarch harness)

To/from		Color	Note
C2/D:18	Multi-connector Dashboard harness-Left wheel arch harness	BN-P	
3/62:A	Alarm switch hood	BN-P	

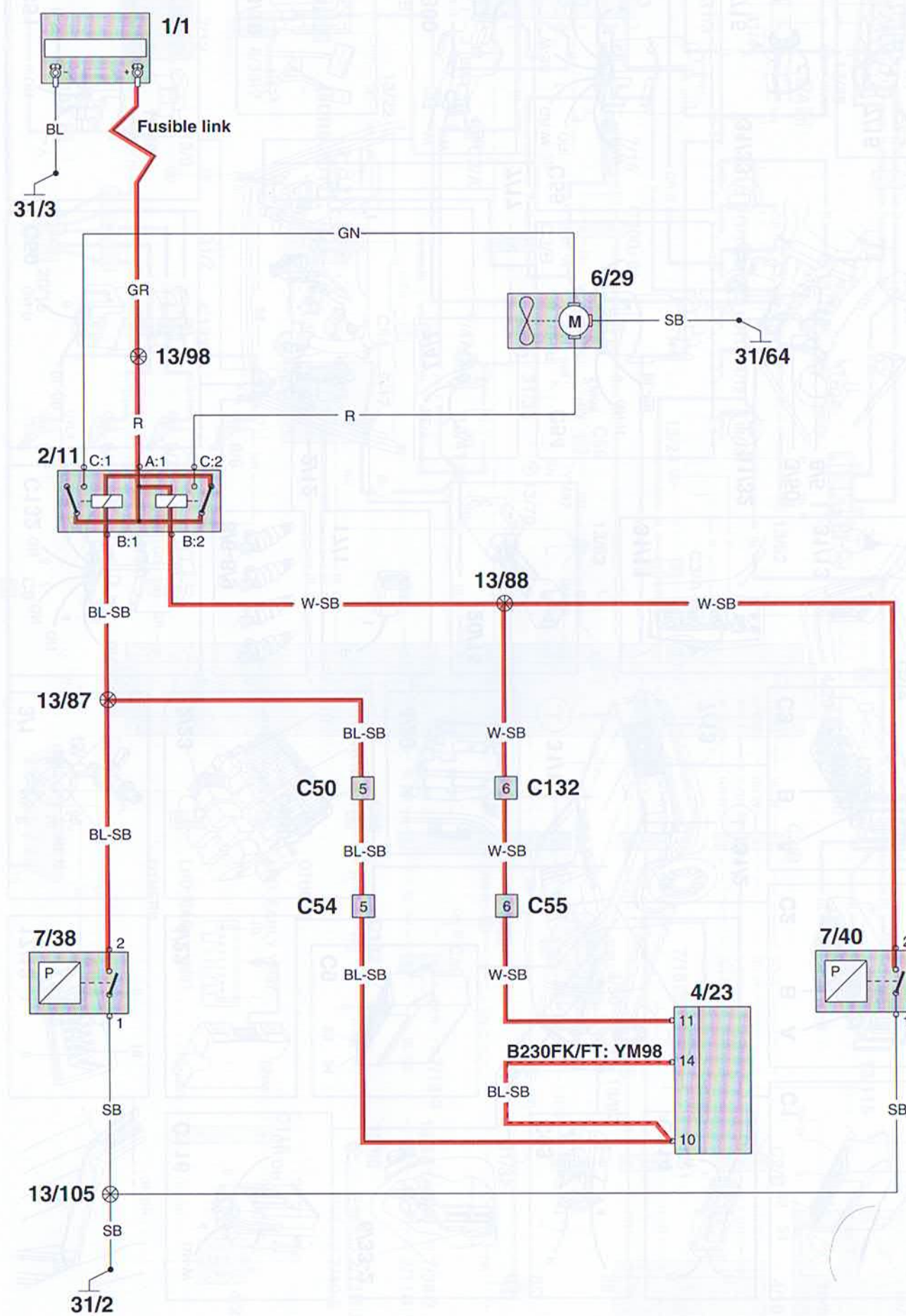
13/121 (Instrument panel harness)

To/from		Color	Note
11/1:4	Fuse	W,	
4/22:6	Immobilizer control module	W,	

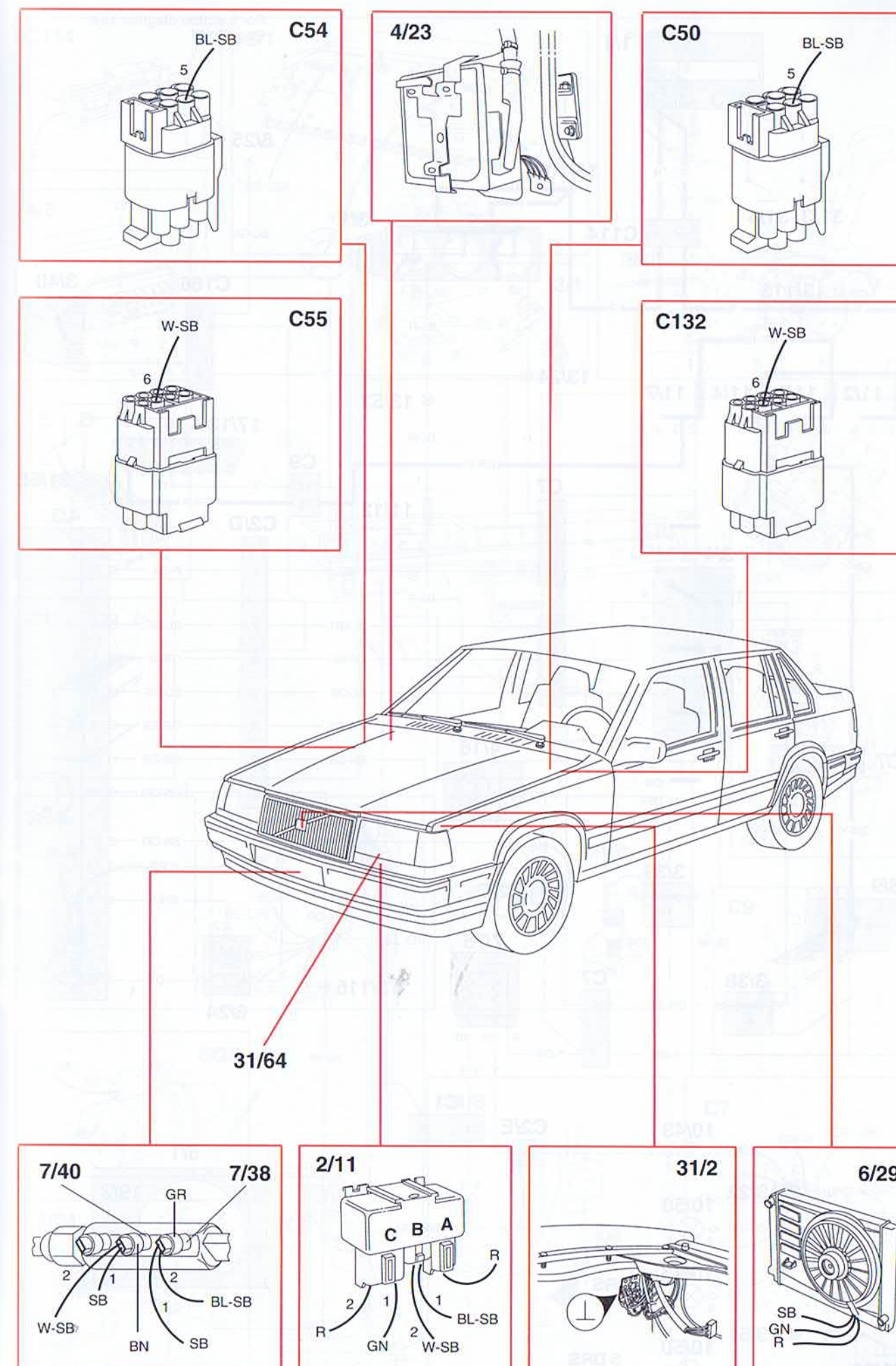




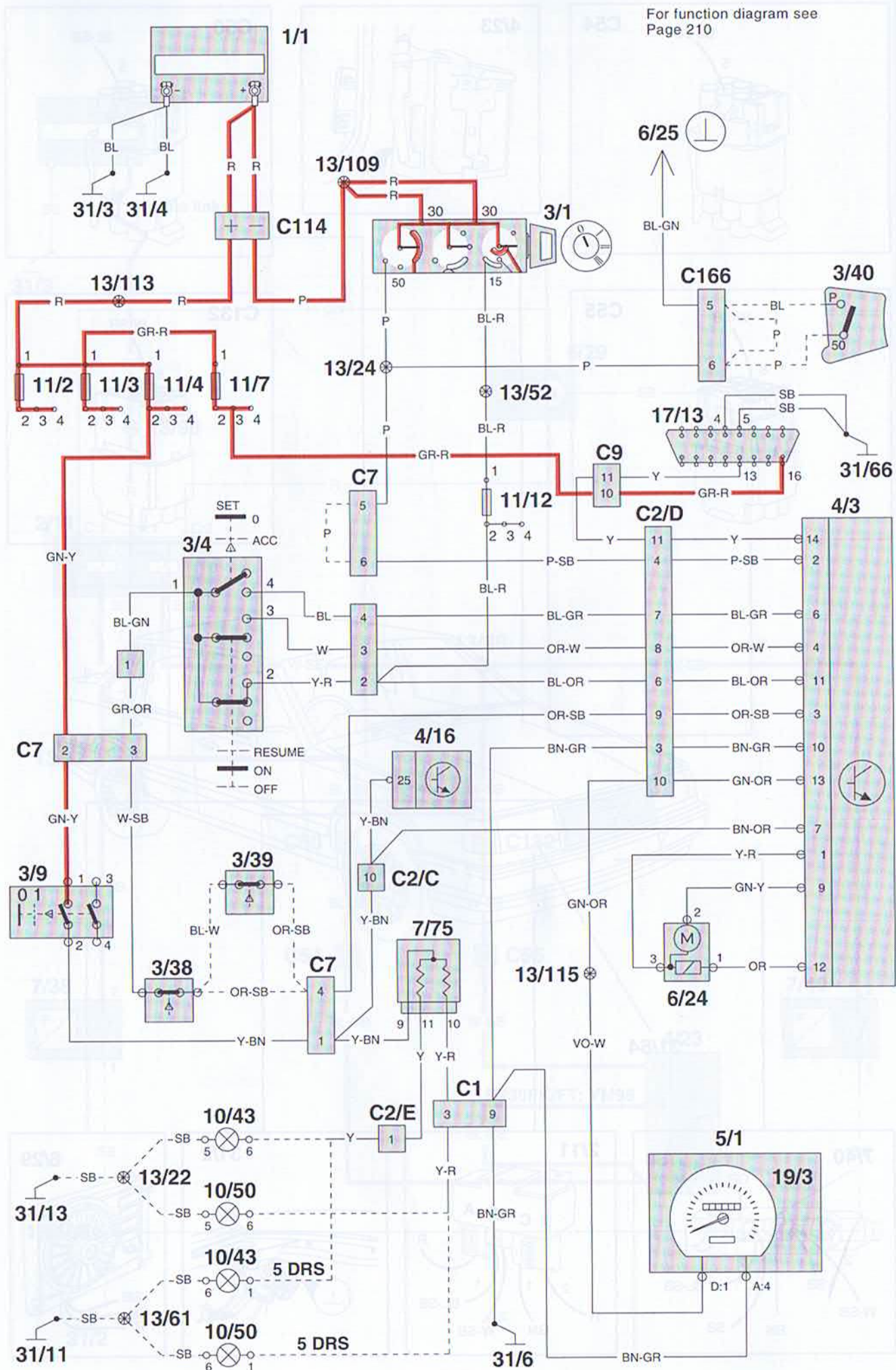
Engine cooling fan (FC)



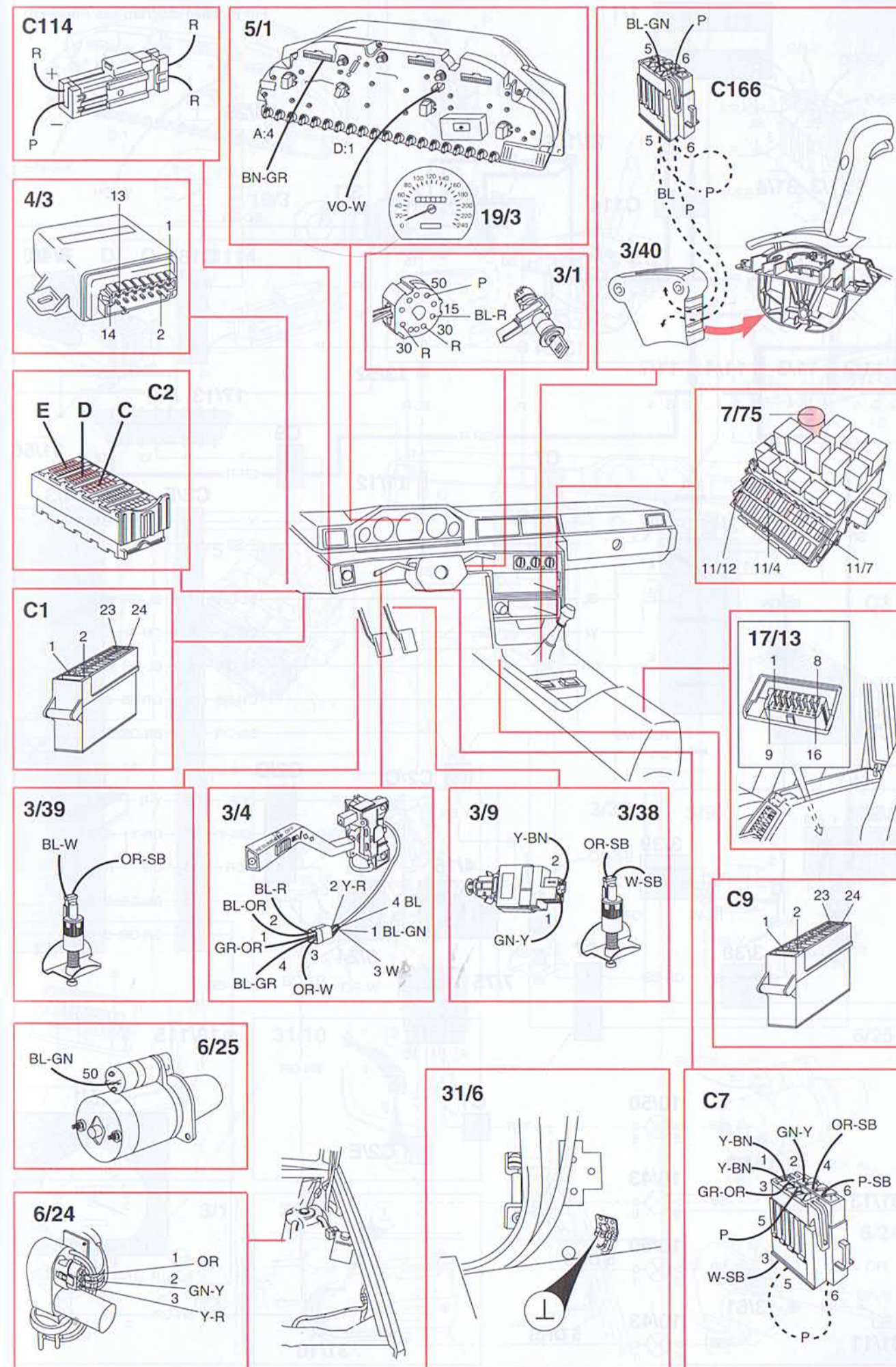
Engine cooling fan (FC)



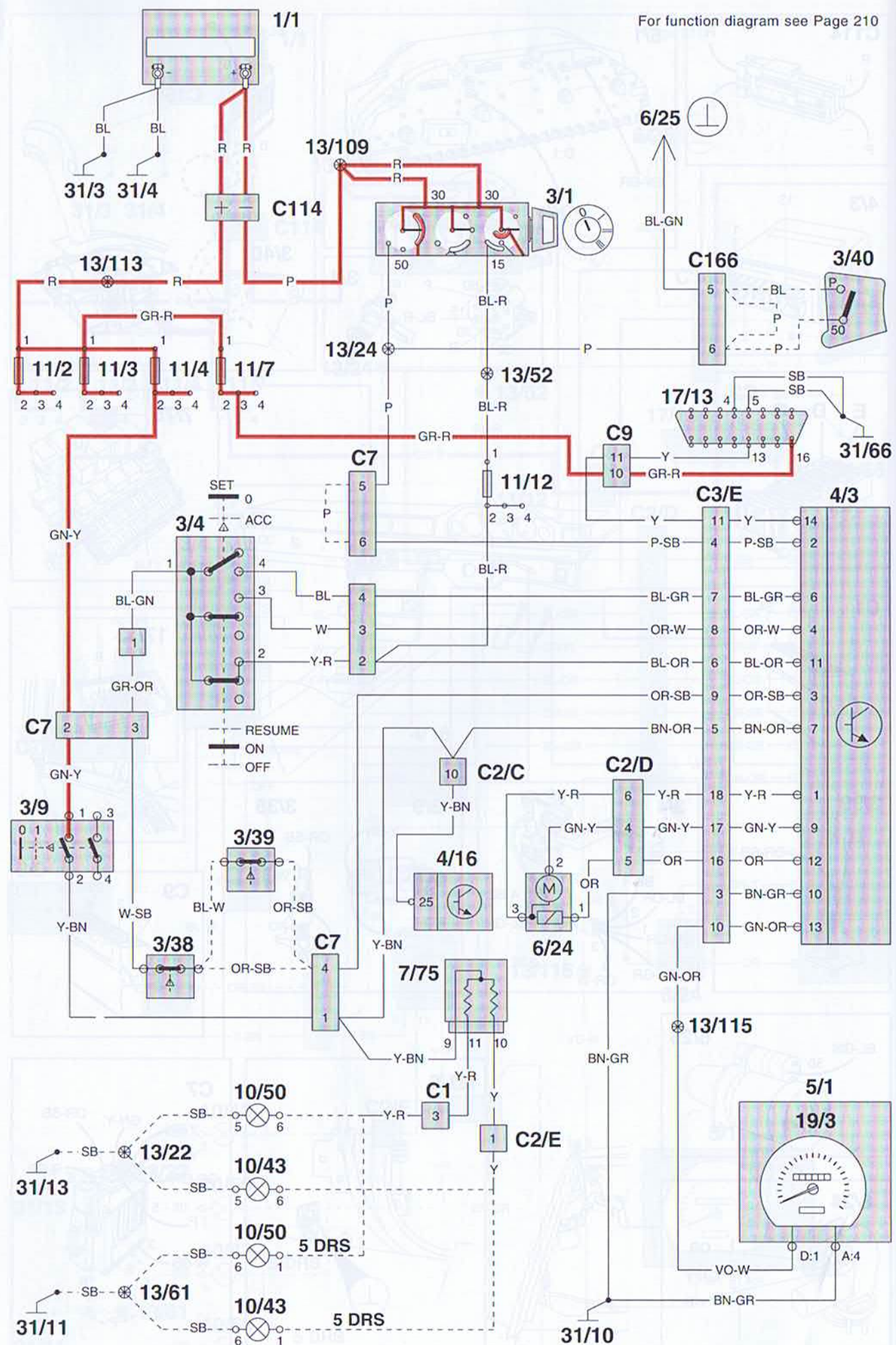
Cruise control left-hand drive cars



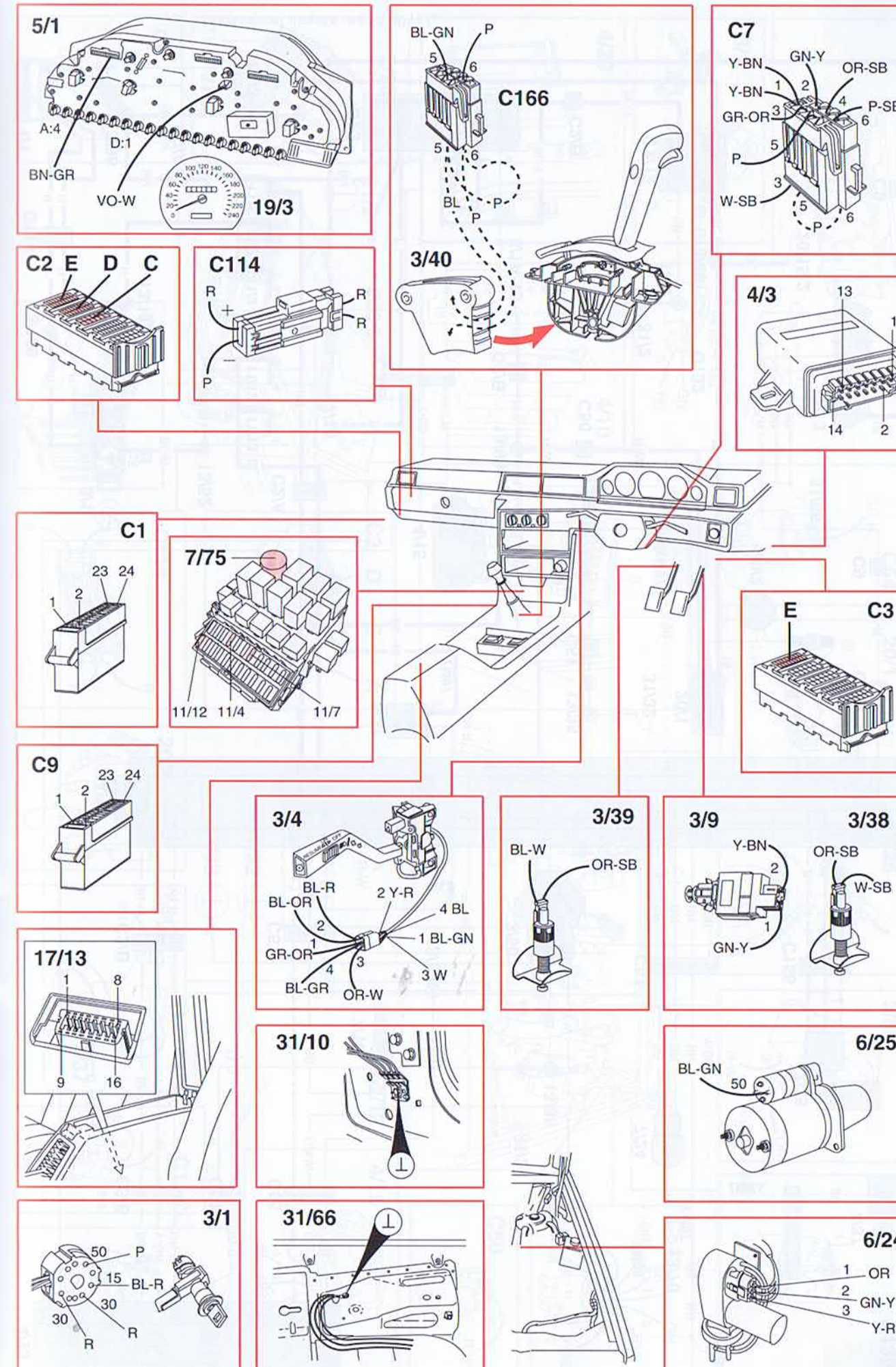
Cruise control left-hand drive cars

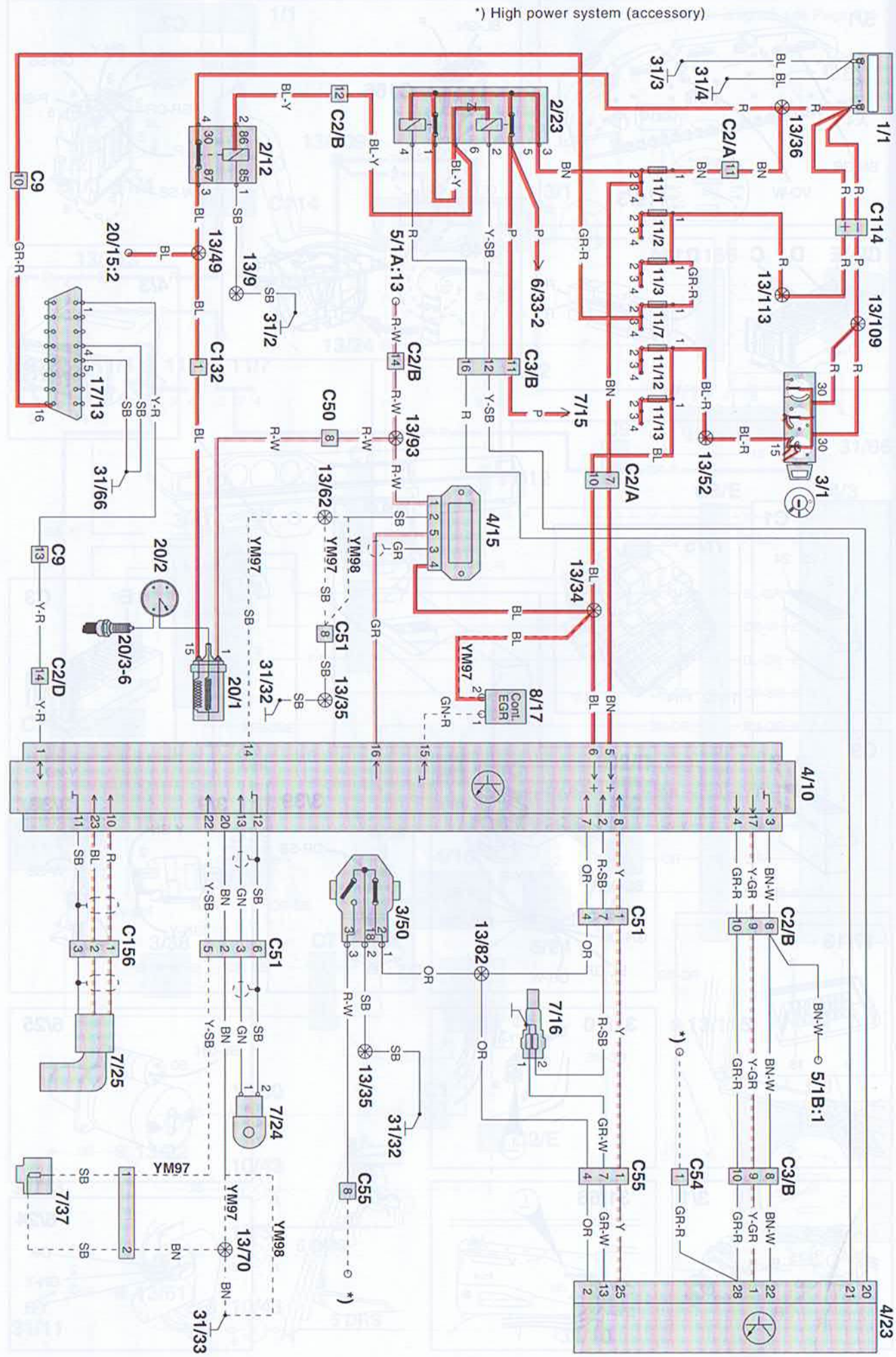


Cruise control right-hand drive cars

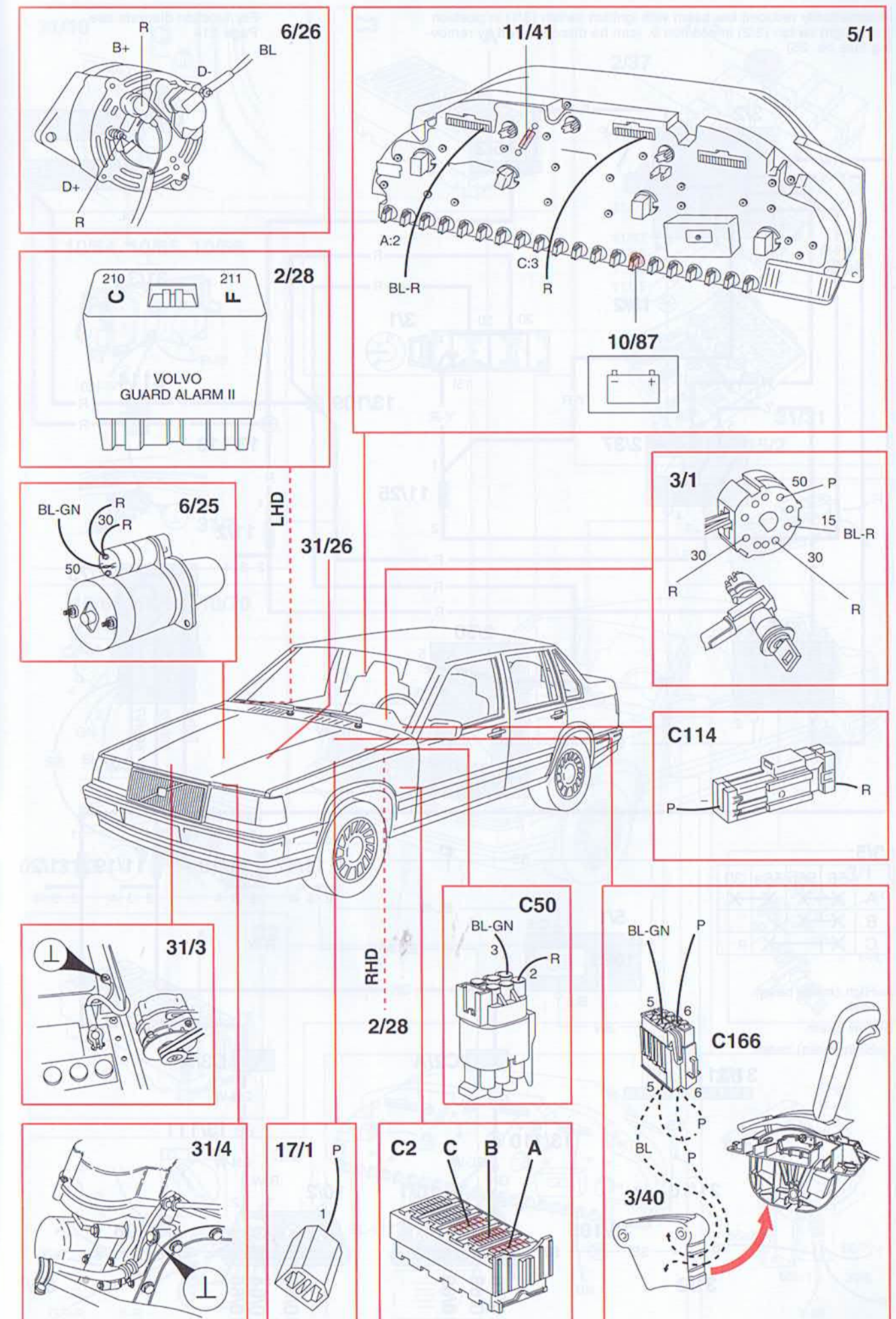
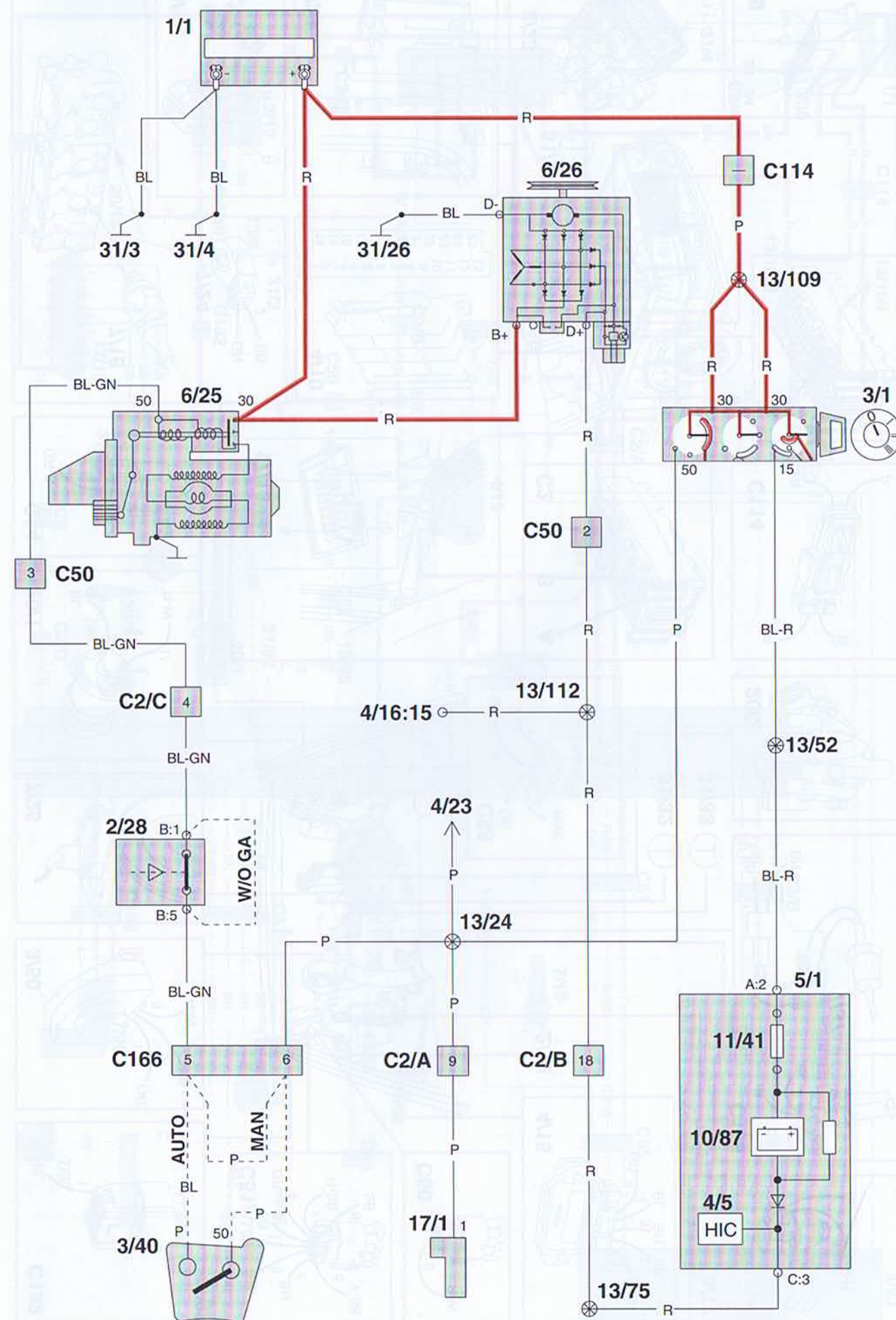


Cruise control right-hand drive cars





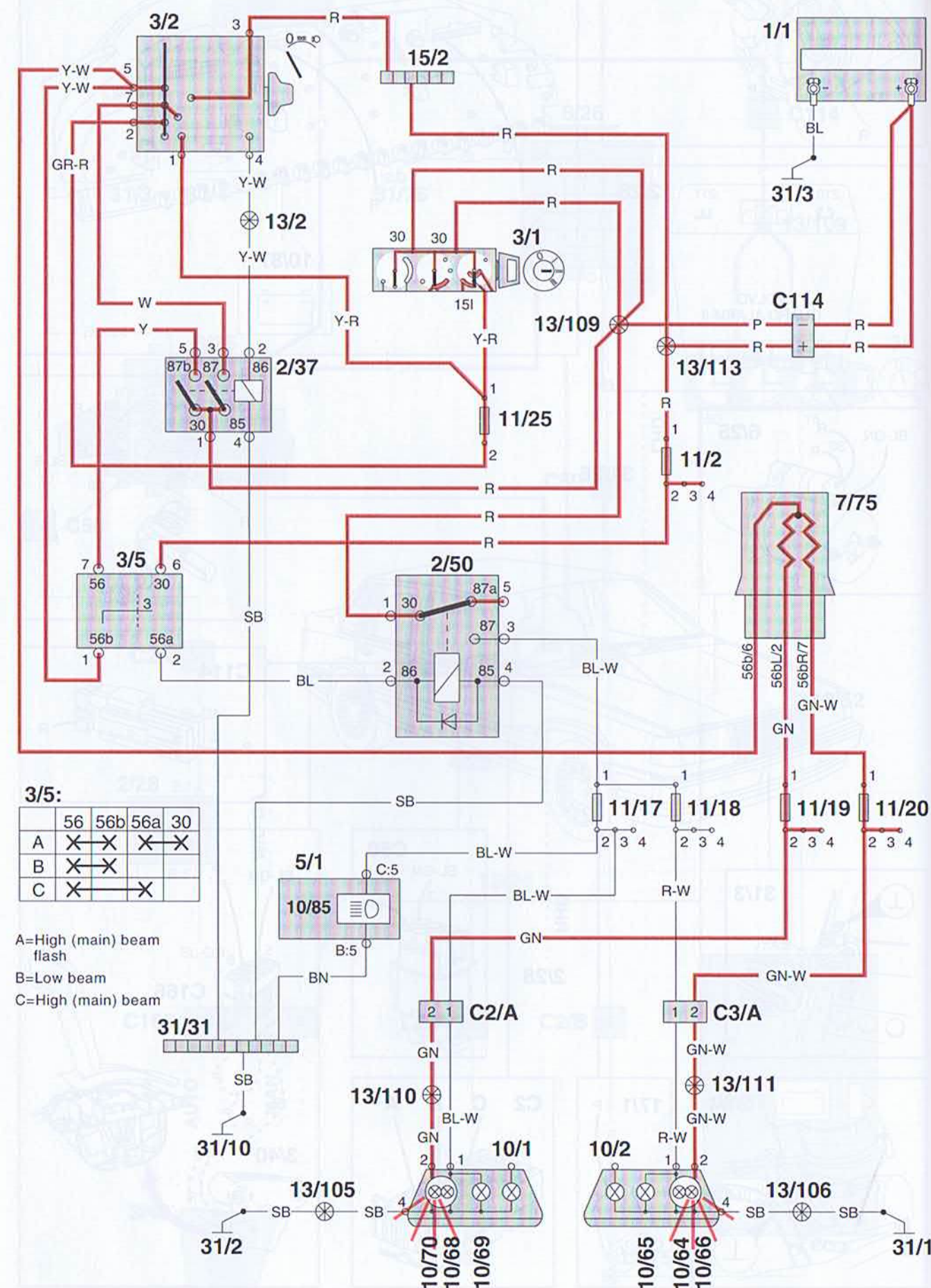
For function diagram see Page 212-213



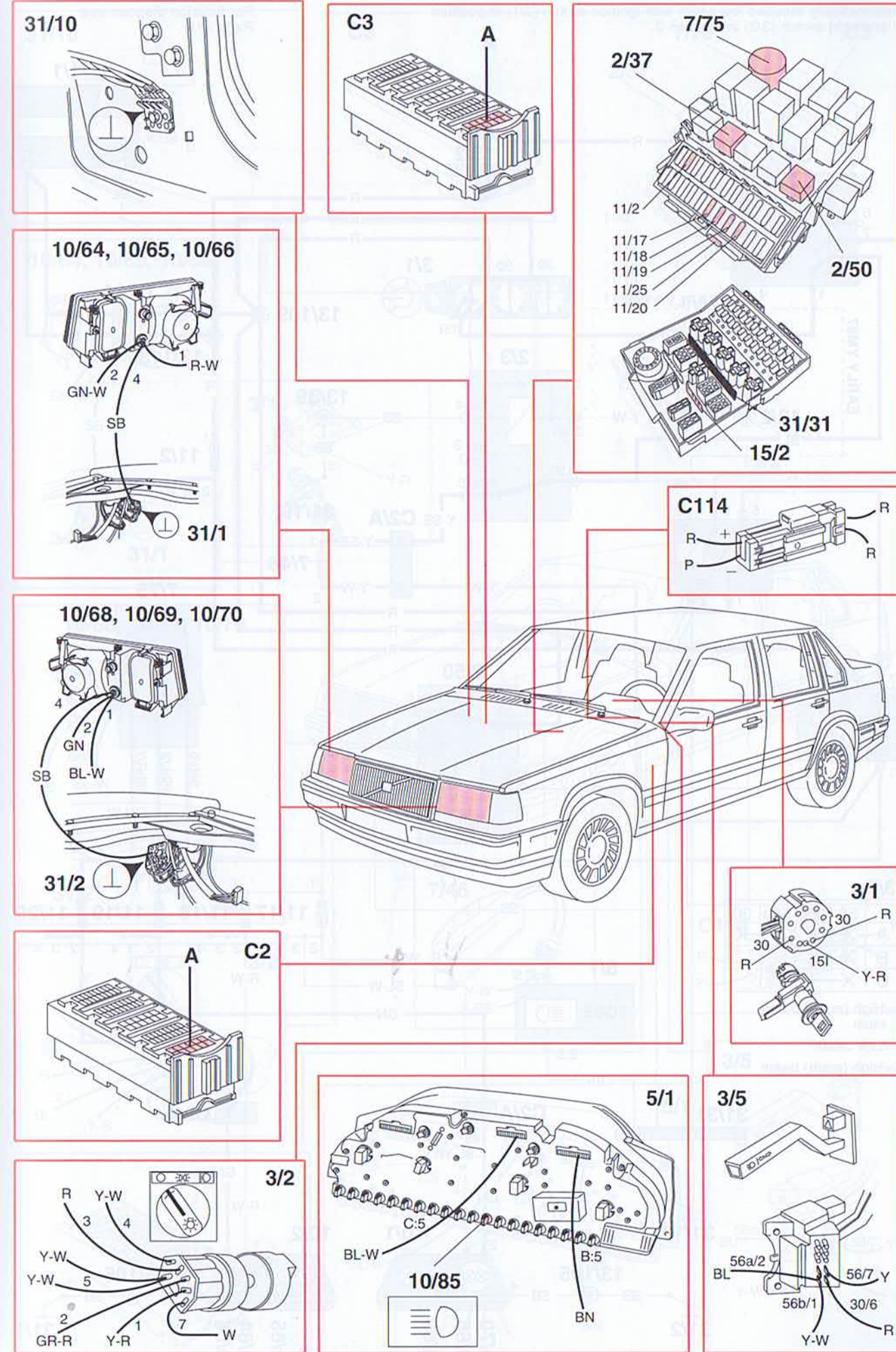
High and low beams Nordic countries, Holland, Belgium

Automatically reduced low beam with ignition switch (3/1) in position II and light switch (3/2) in position 0. (can be disconnected by removing fuse no. 25)

For function diagram see Page 214



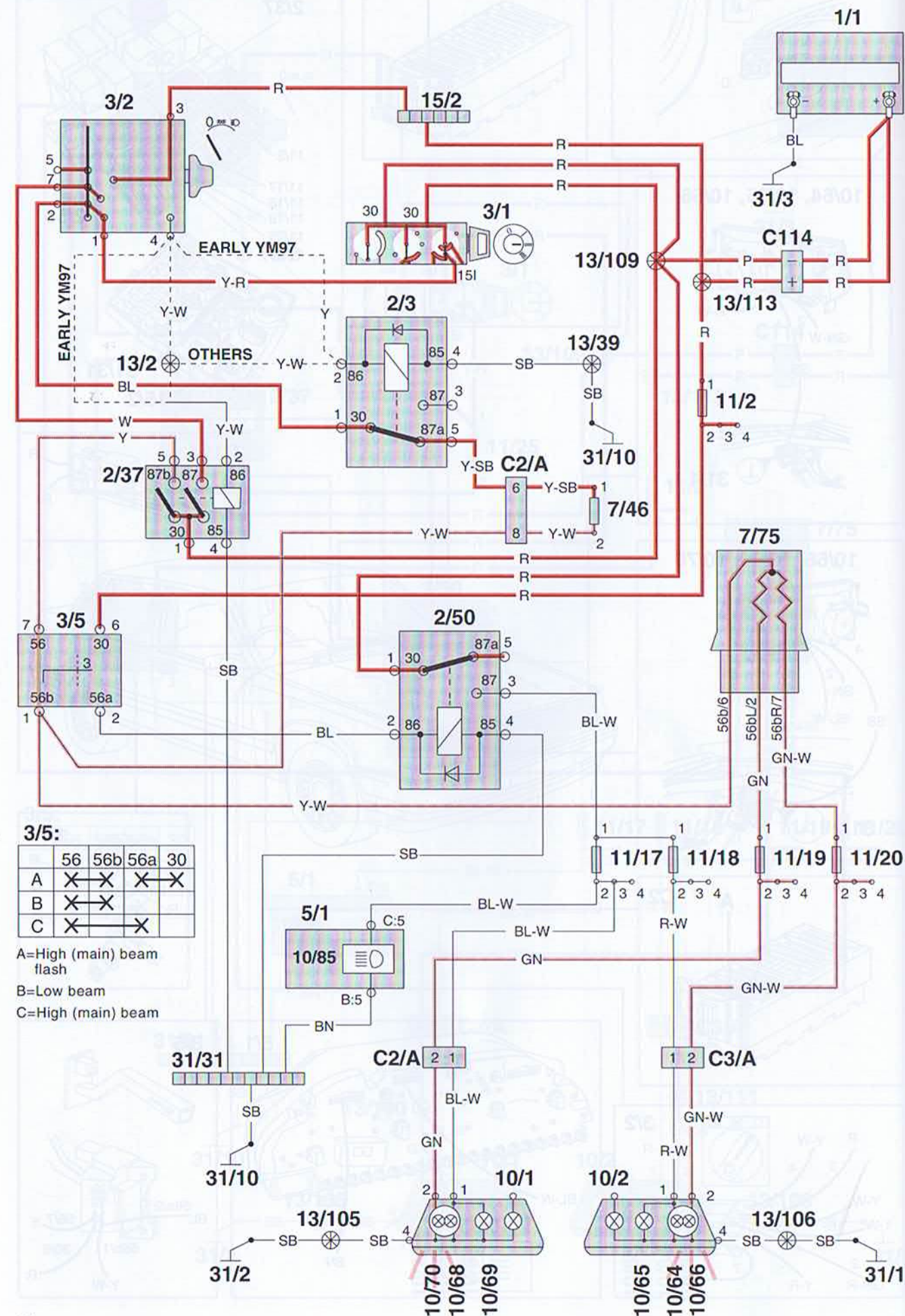
High and low beams Nordic countries, Holland, Belgium



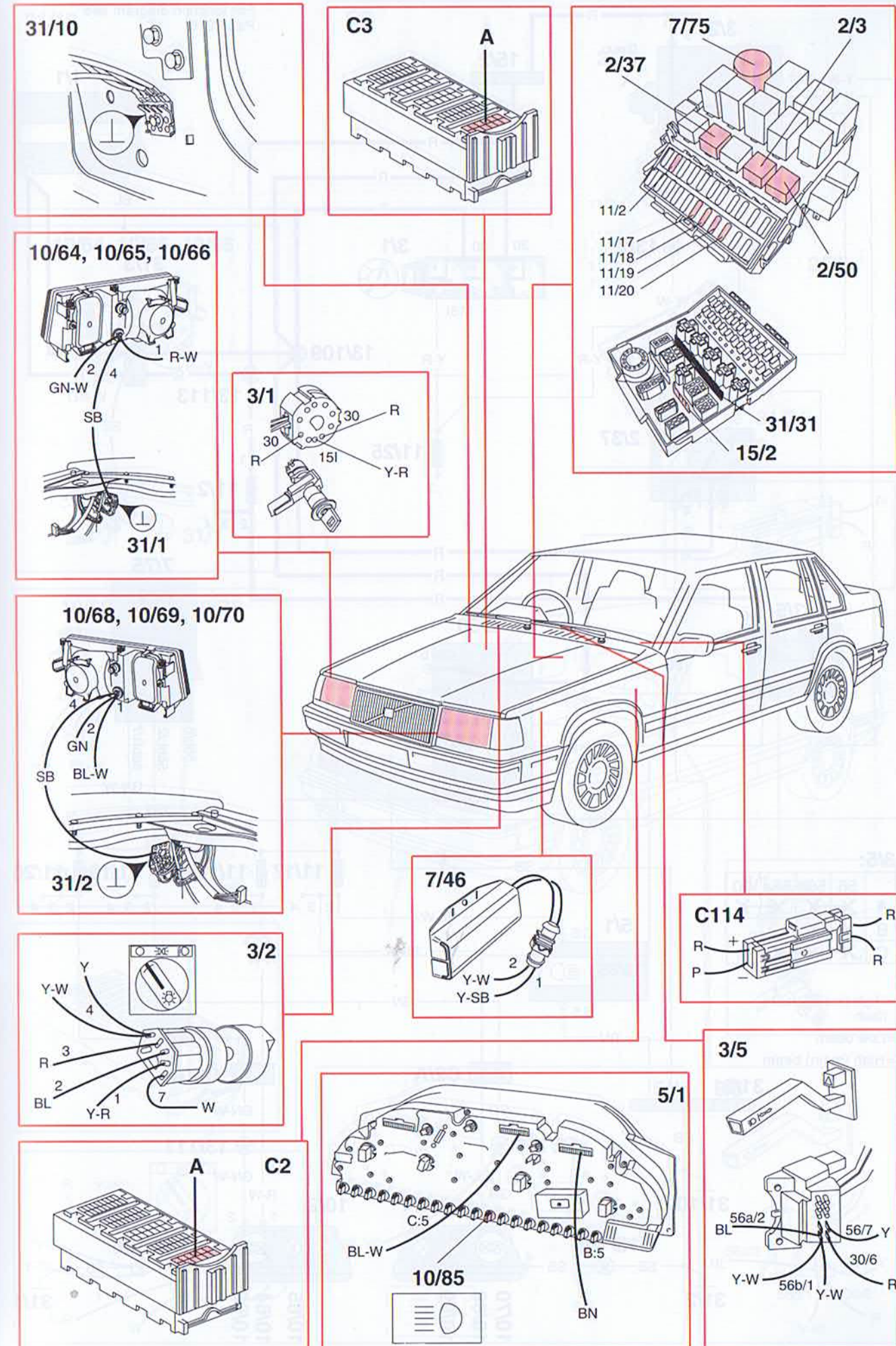
High and low beams Great Britain

Automatically reduced low beam with ignition switch (3/1) in position II and light switch (3/2) in position 0.

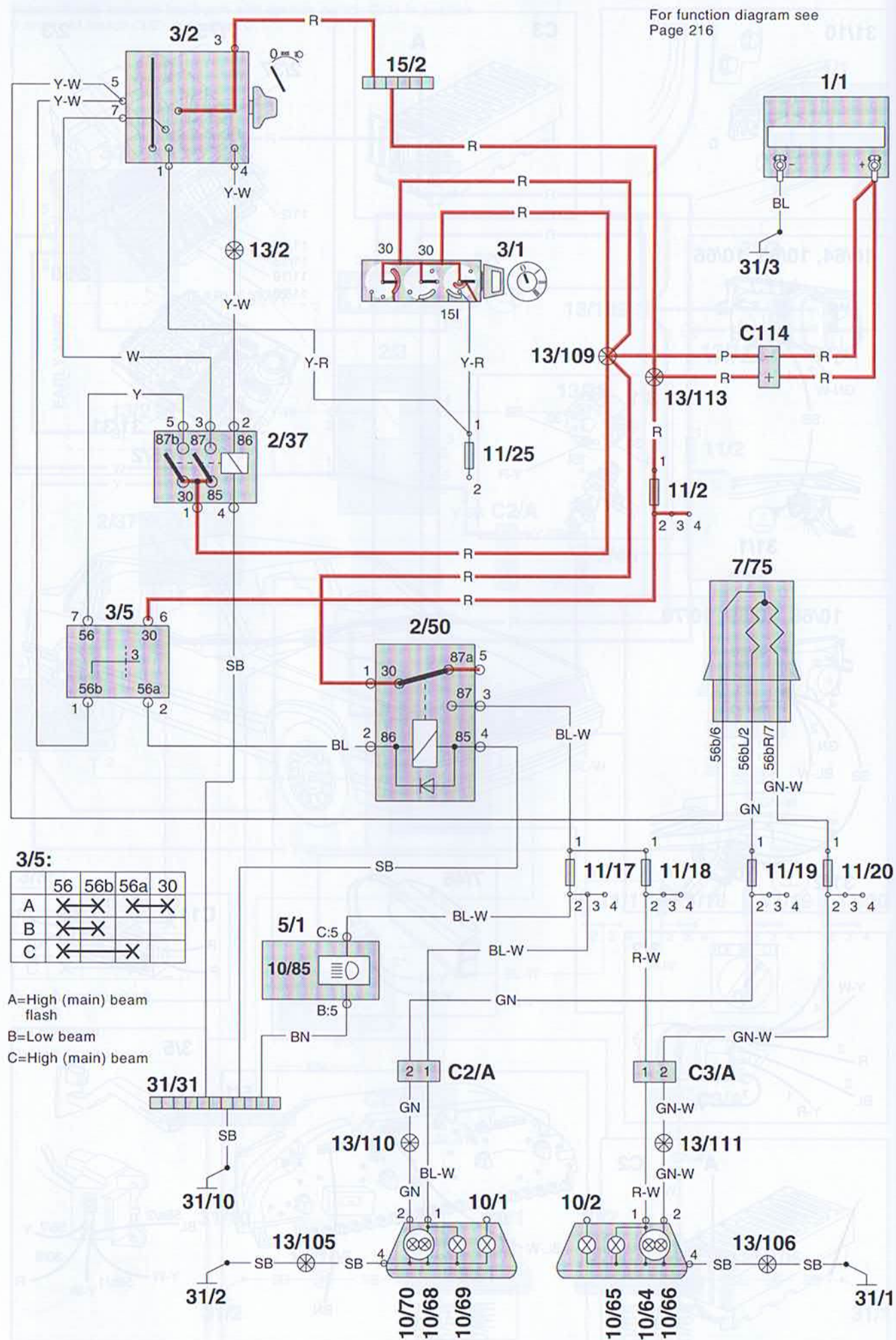
For function diagram see Page 215



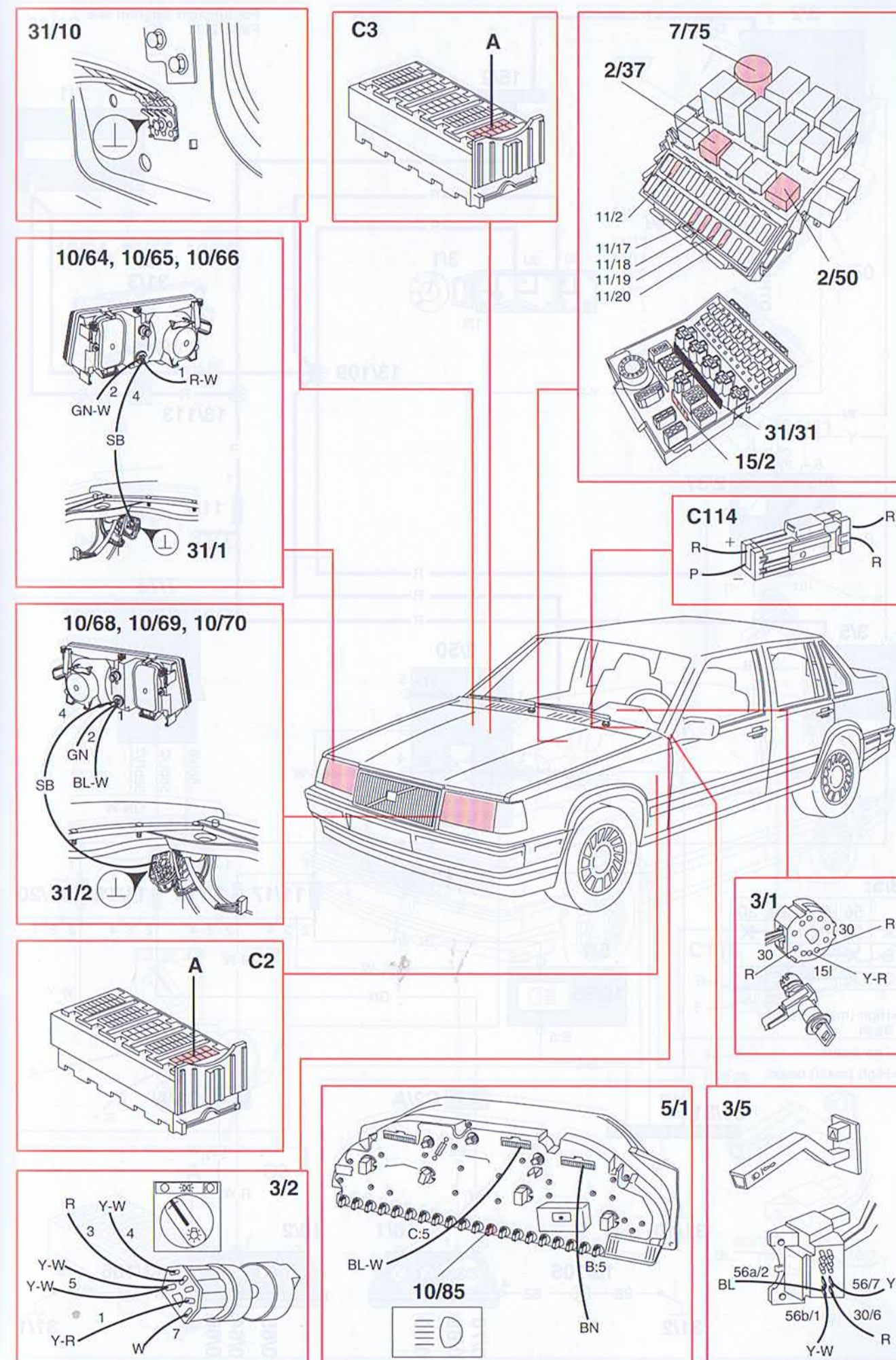
High and low beams Great Britain



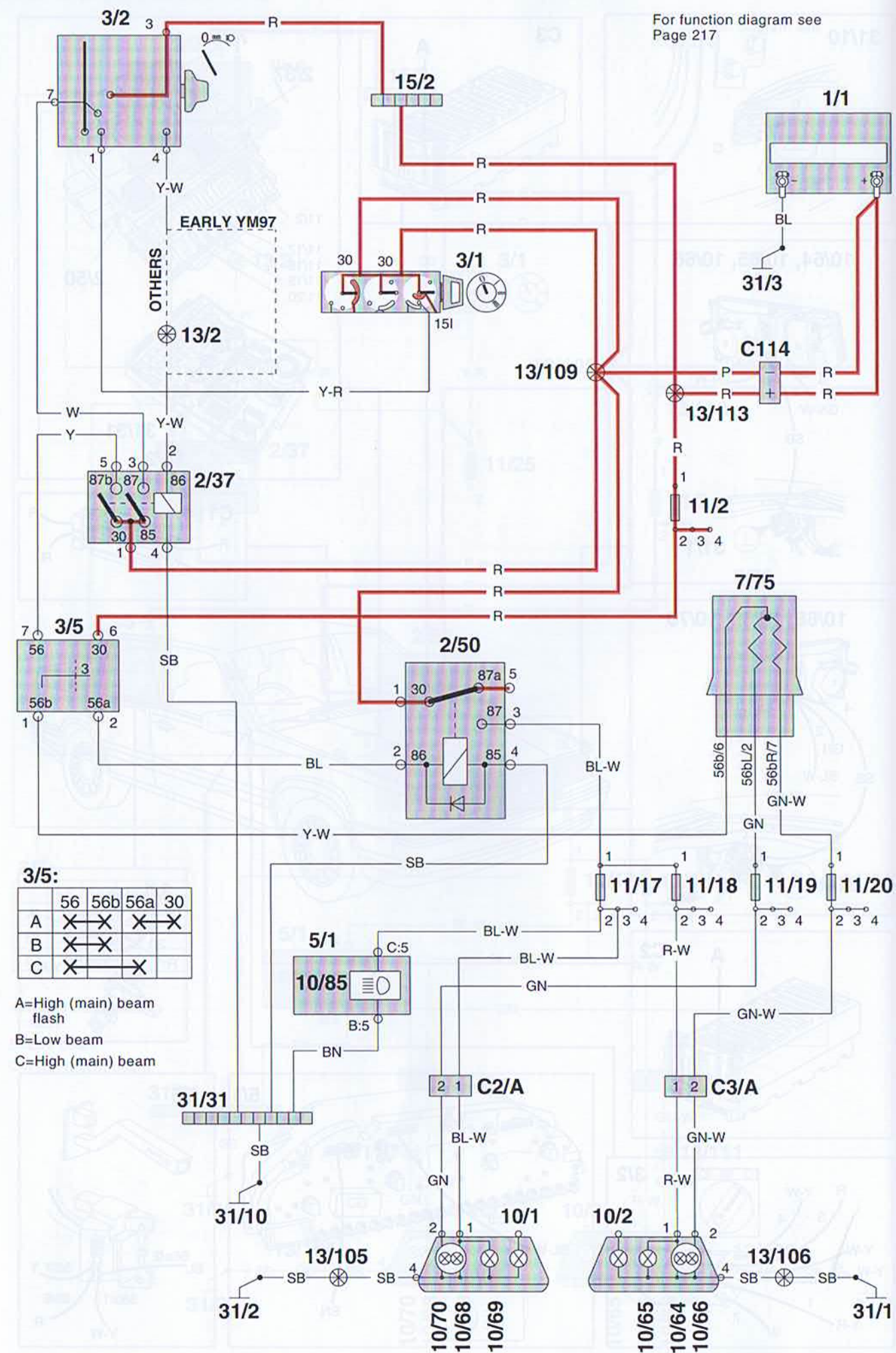
High and low beams left-hand drive cars



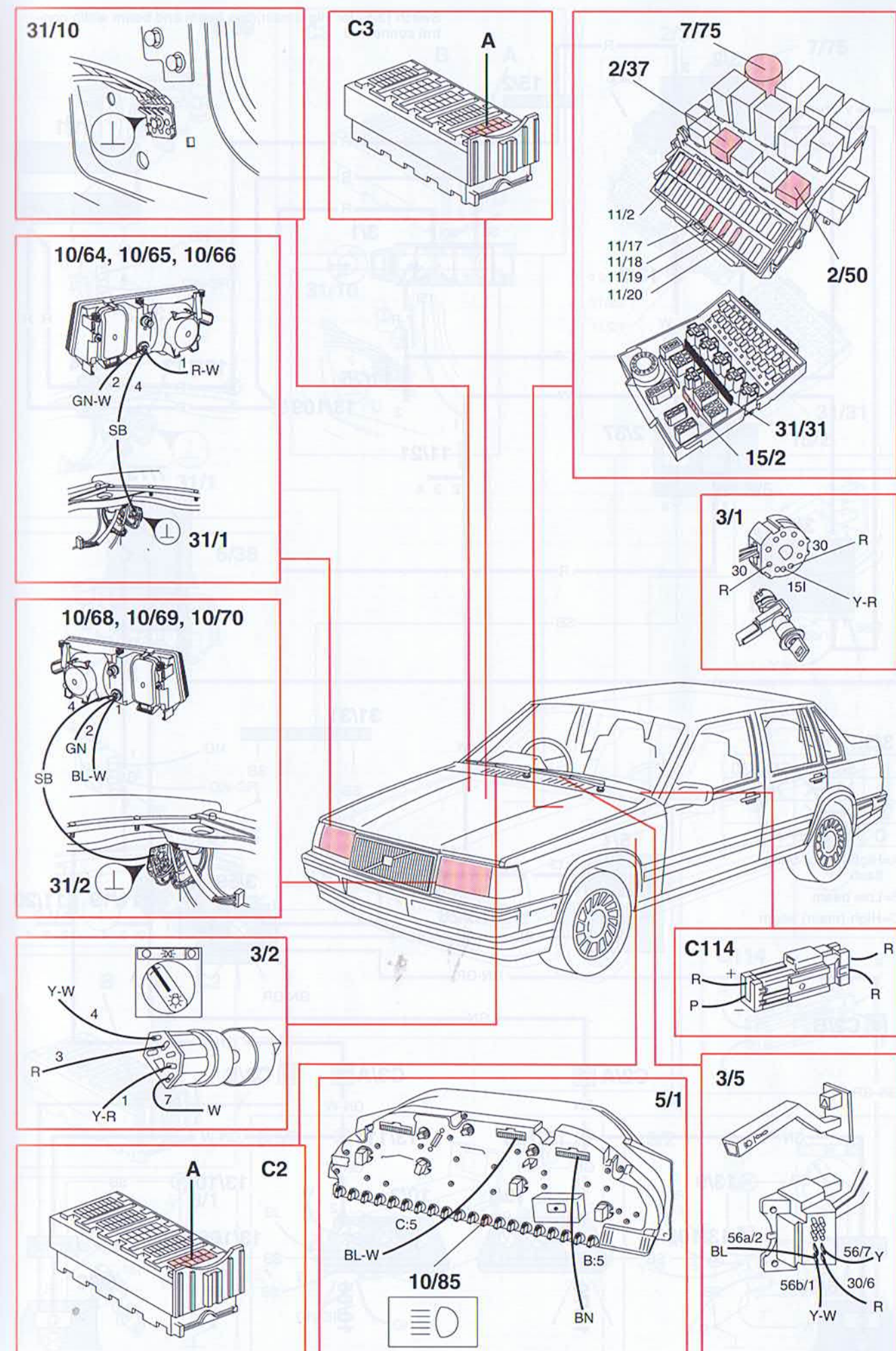
High and low beams left-hand drive cars



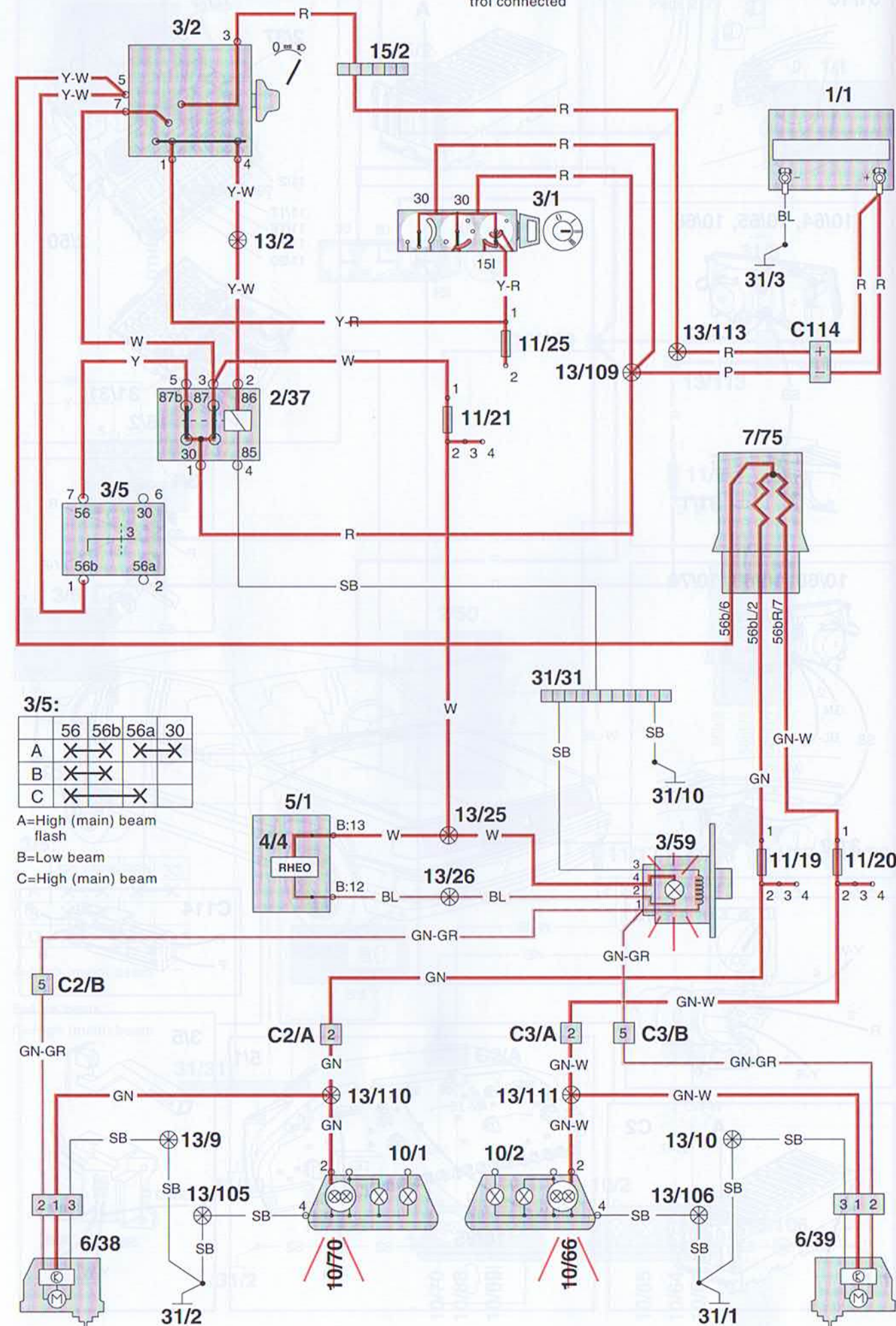
High and low beams right-hand drive cars



High and low beams right-hand drive cars

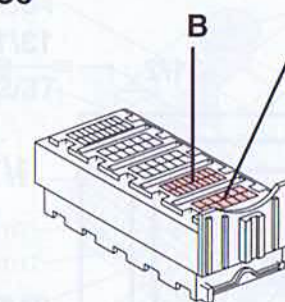


Switch (3/5) for High(main)/low beam and beam width control connected

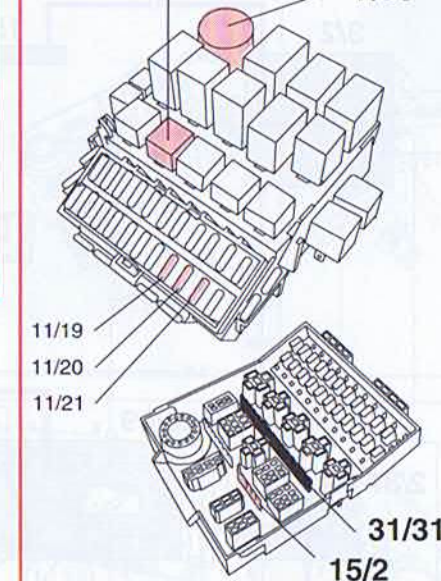


6/39

C3



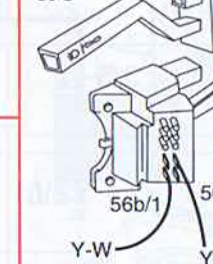
2/37 7/75



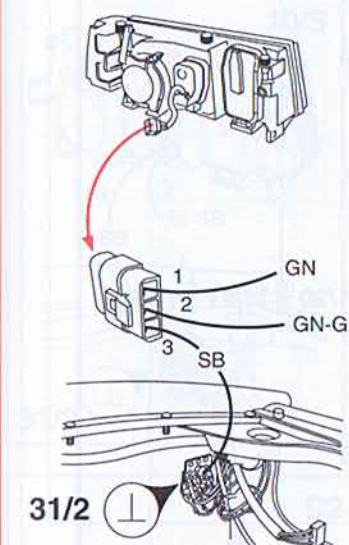
31/10



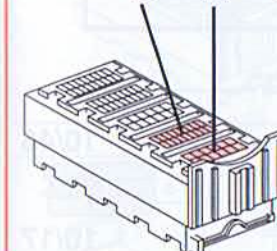
3/5



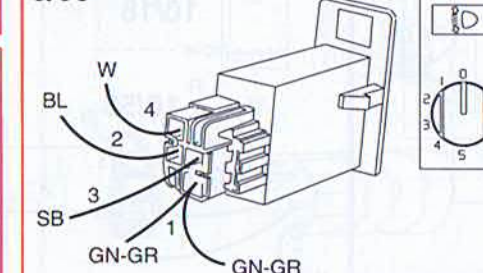
6/38



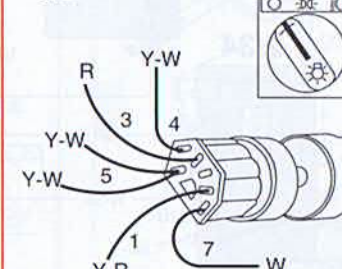
B A C2



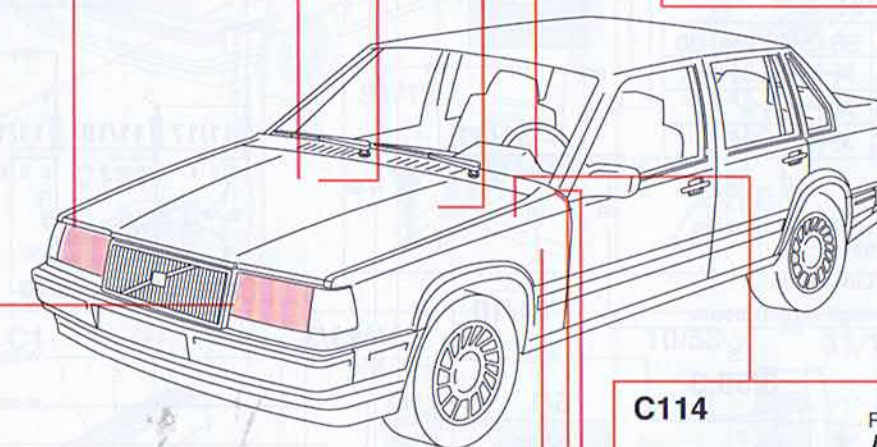
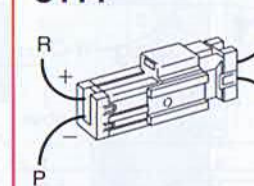
3/59



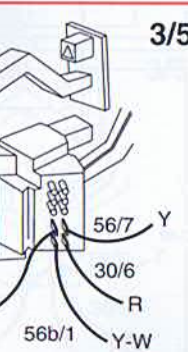
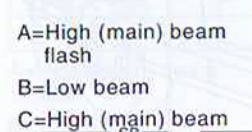
3/2



C114



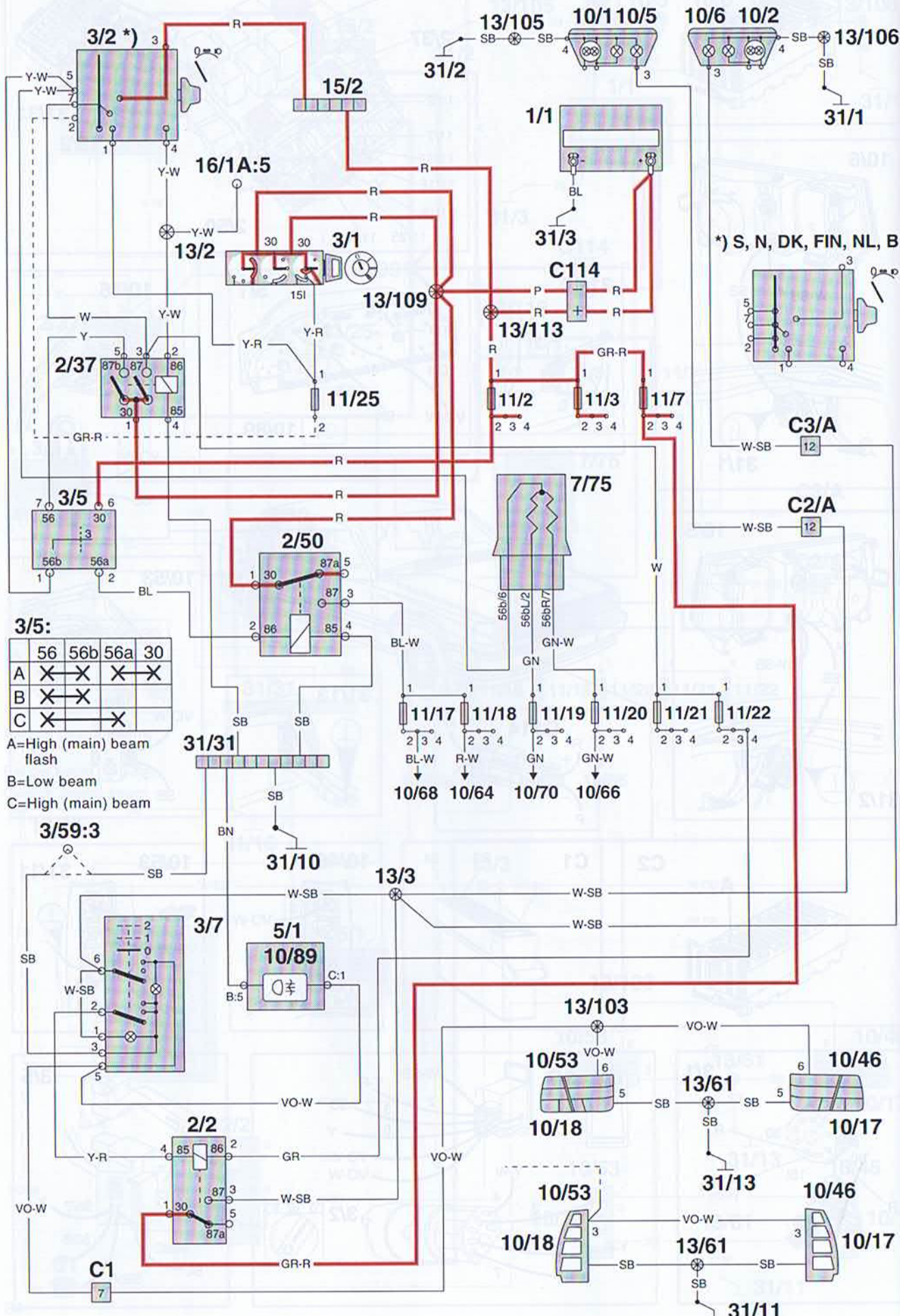
Page 218



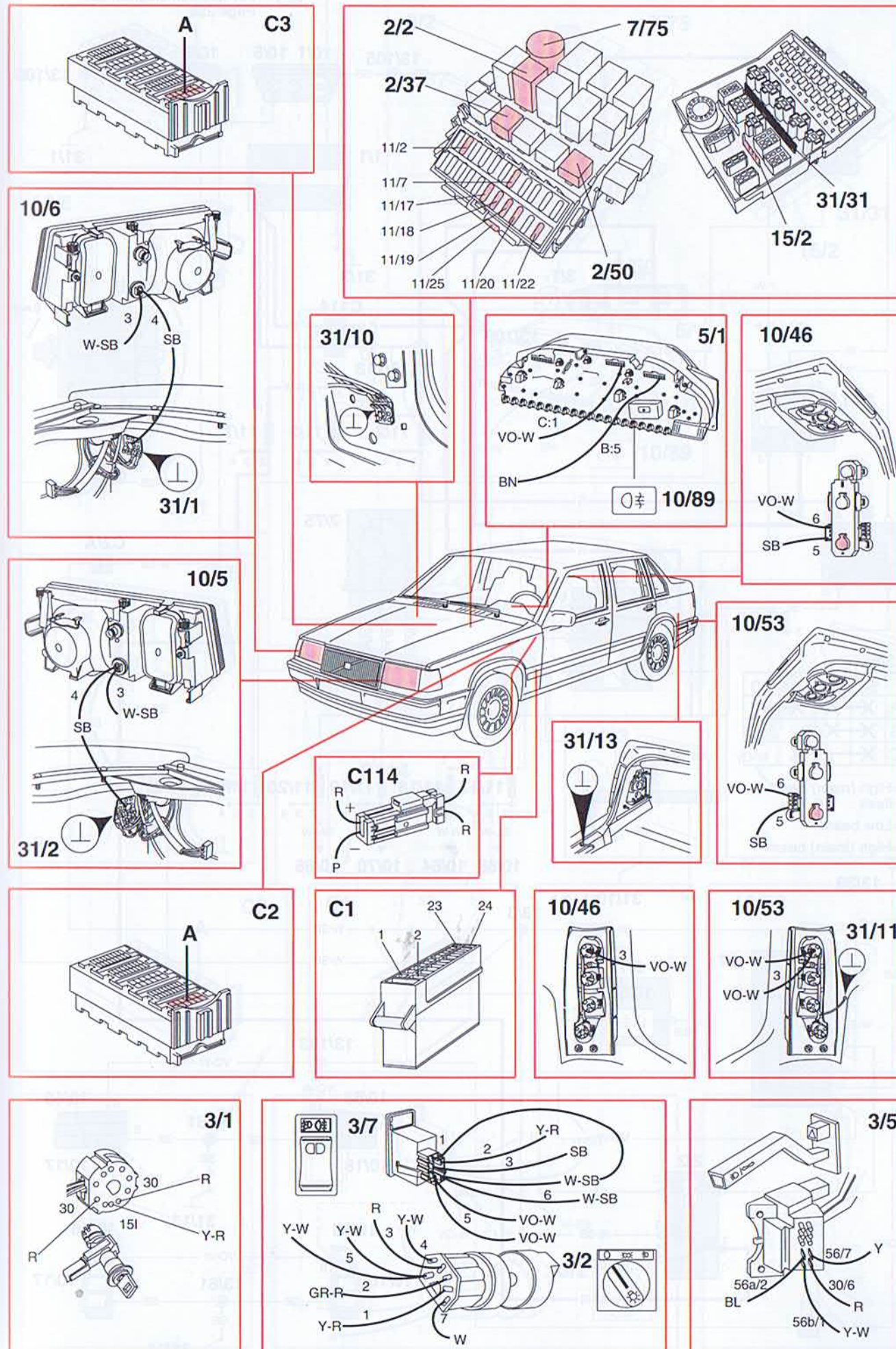


Fog lamps
left-hand drive cars, early version 1997

For function diagram see
Page 220

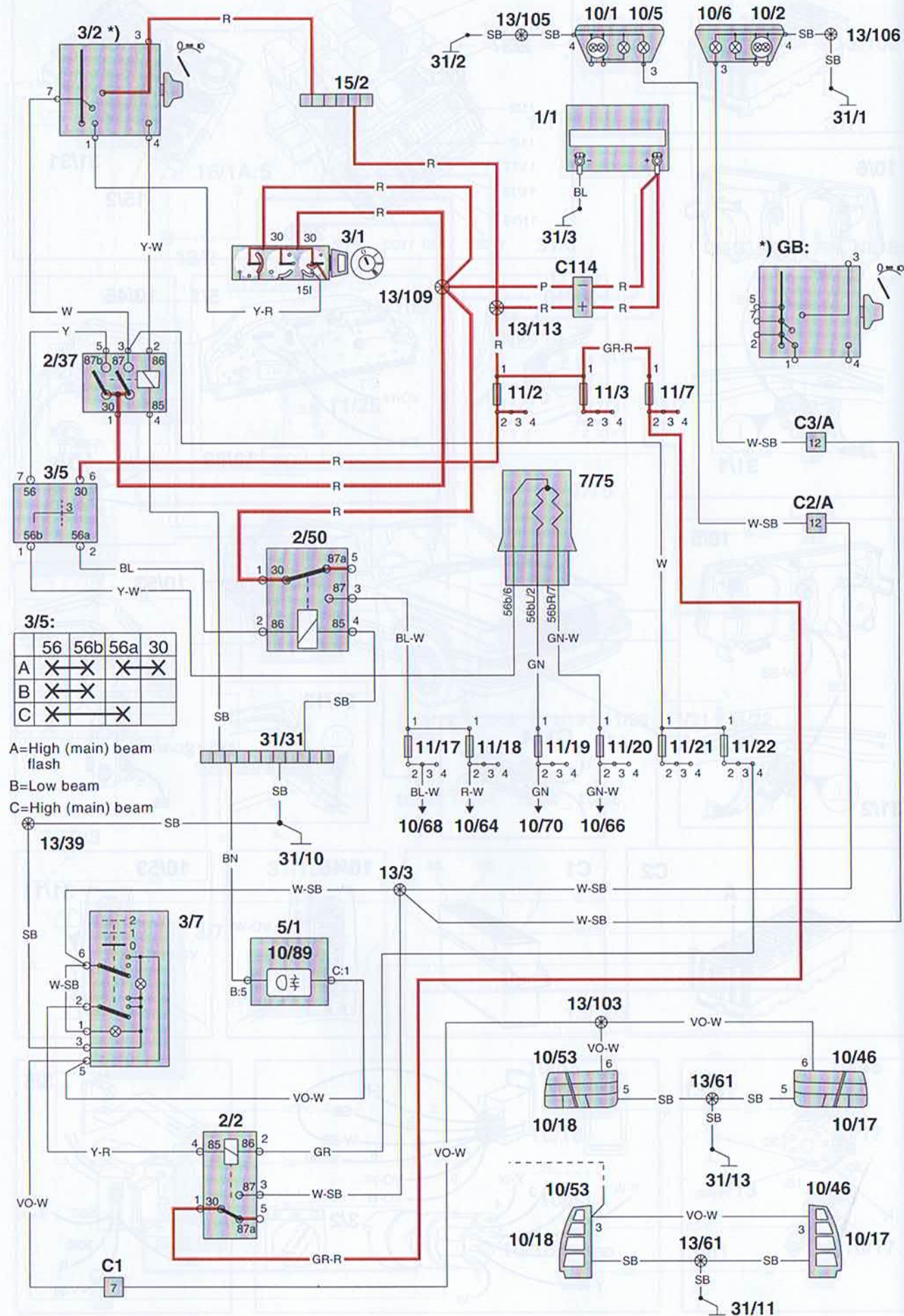


Fog lamps
left-hand drive cars, early version 1997

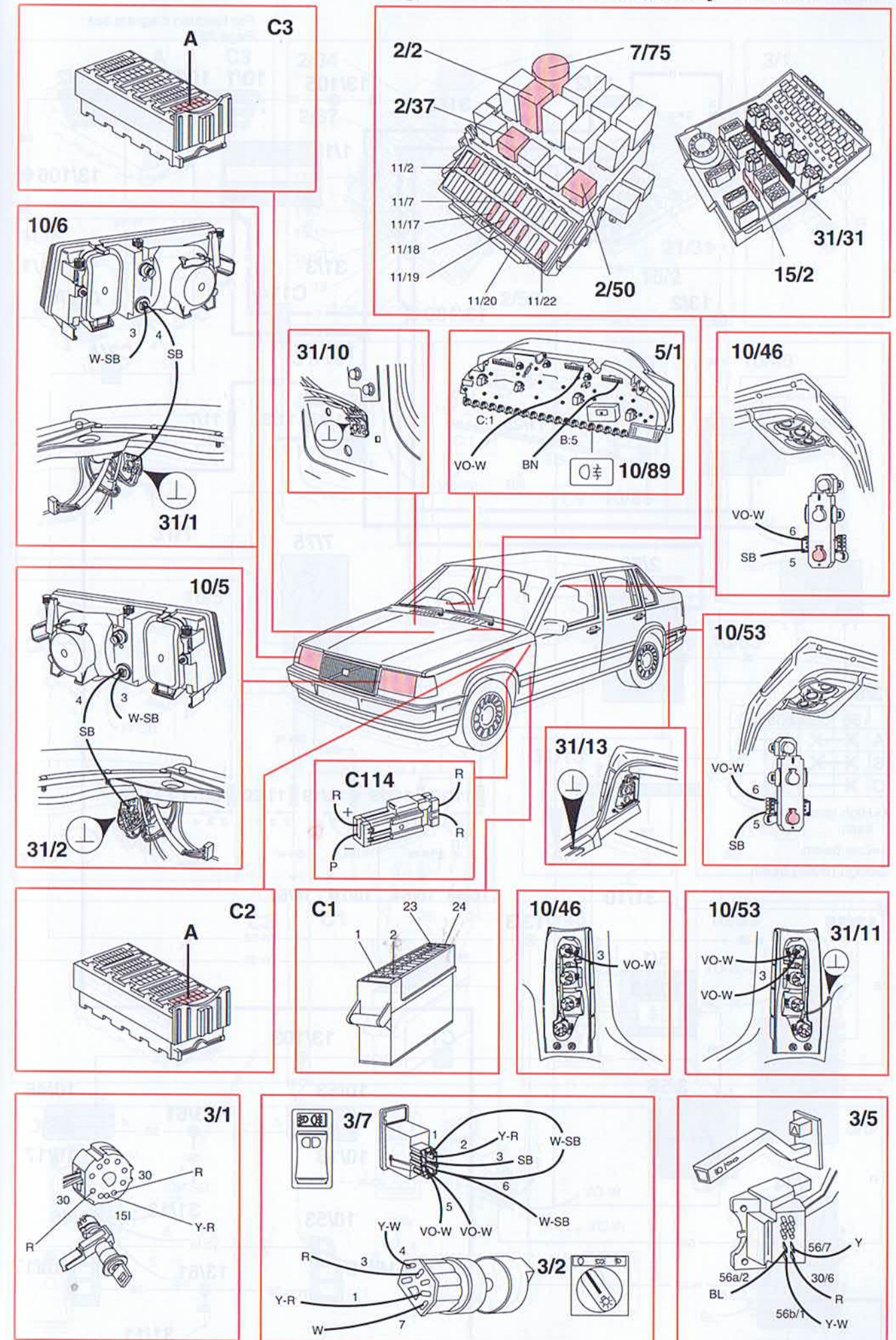


Fog lamps
right-hand drive cars, early version 1997

For function diagram see
Page 220

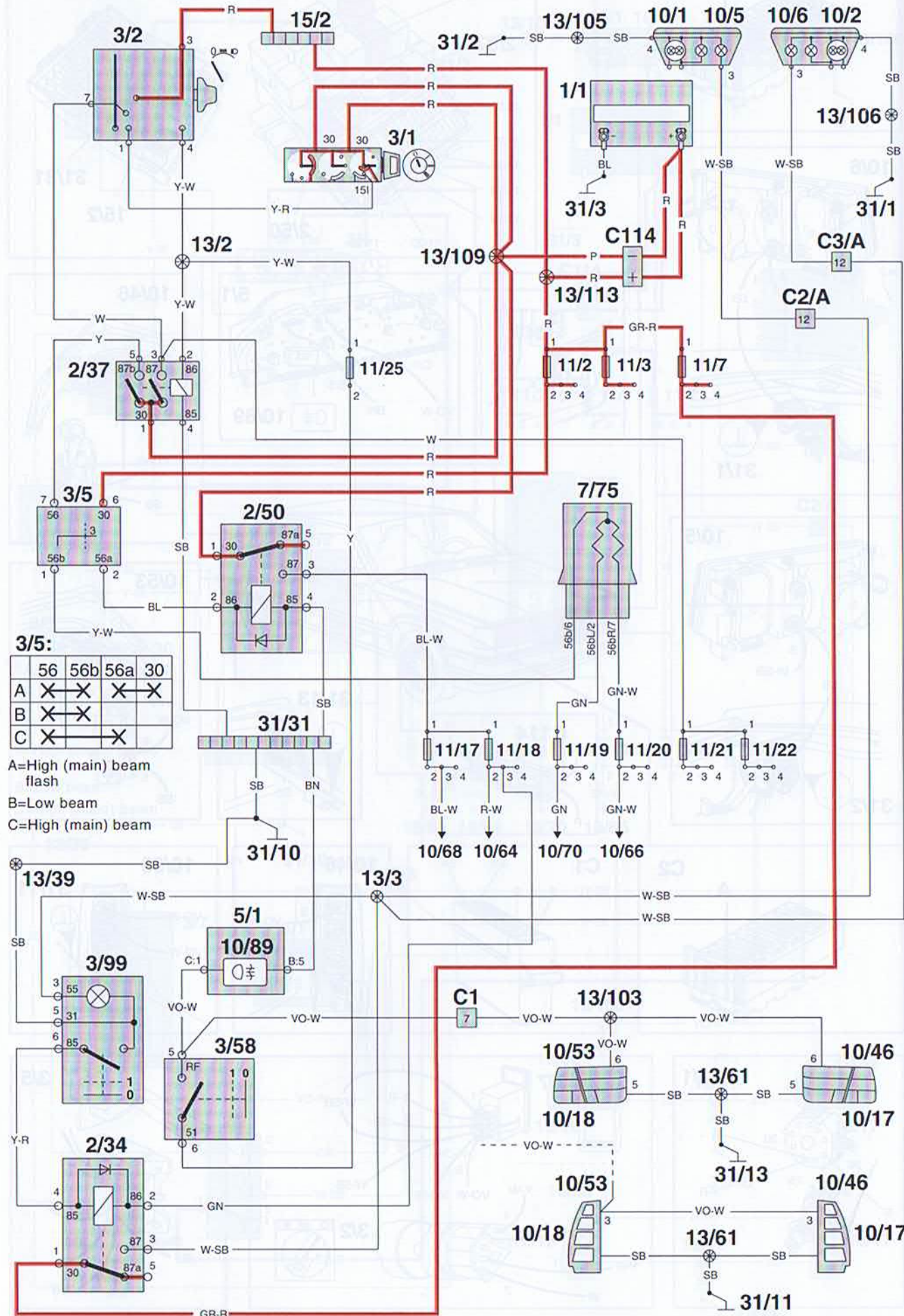


Fog lamps
right-hand drive cars, early version 1997

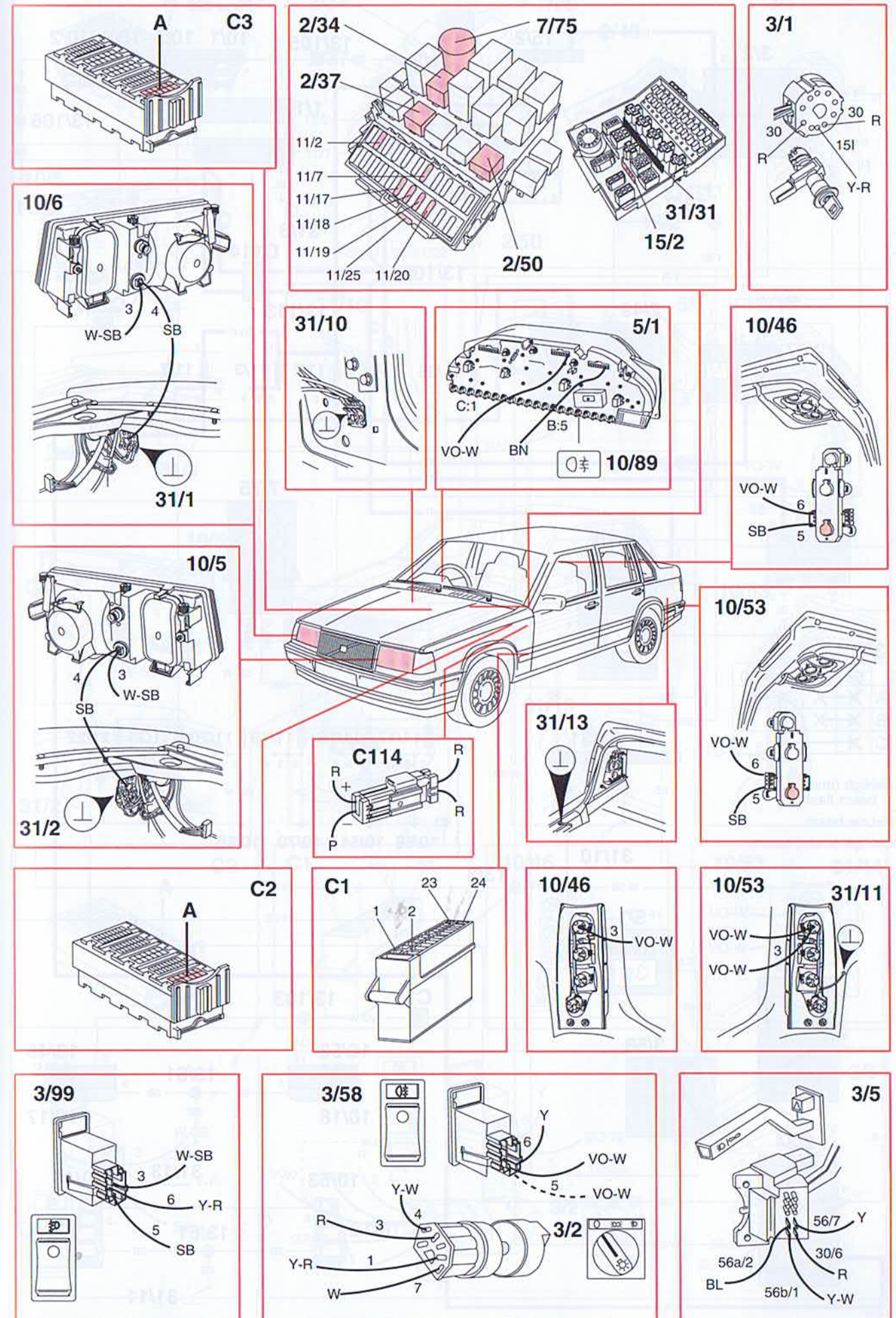


Fog lamps
Japan, late version 1997 and 1998

For function diagram see
Page 221

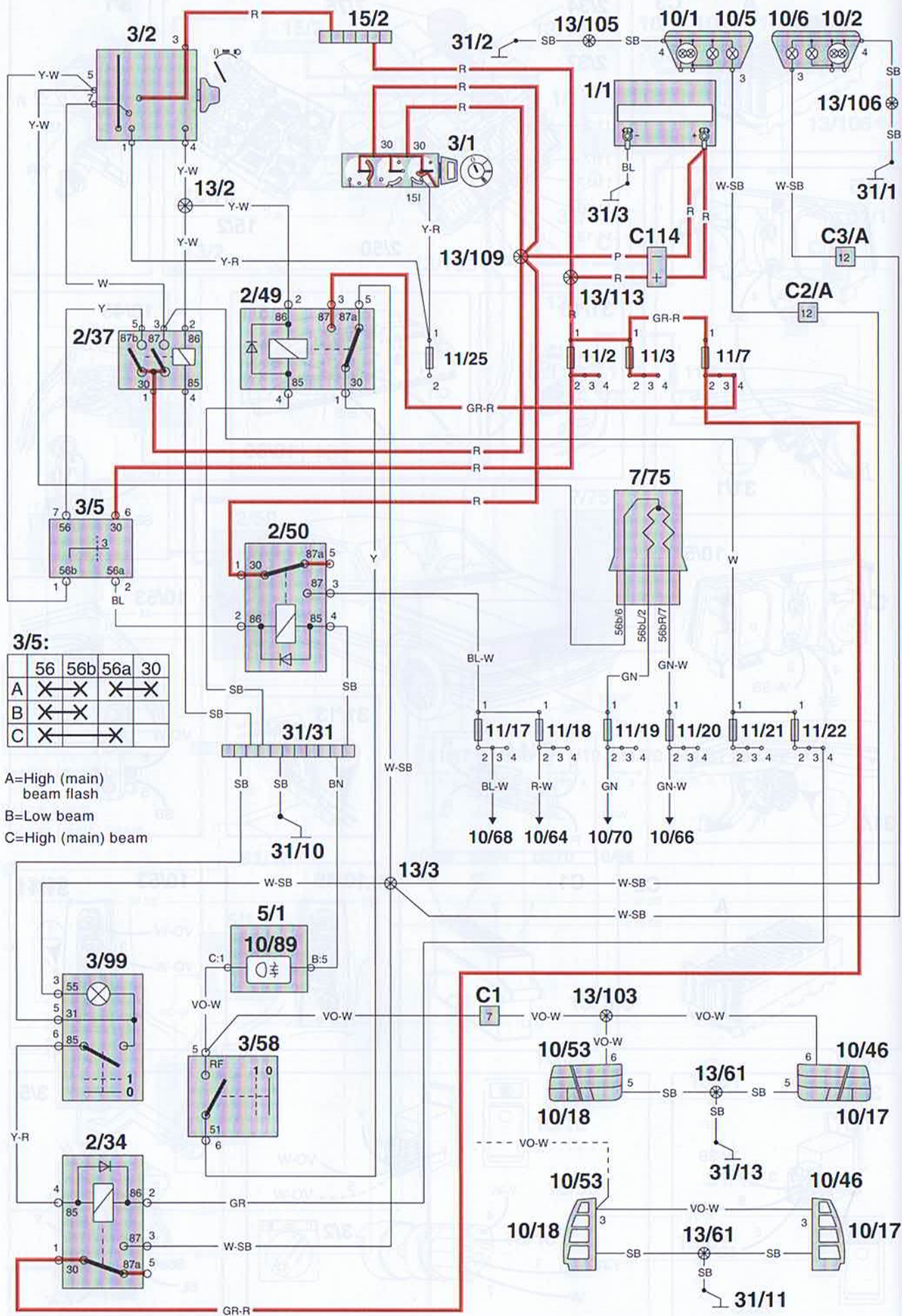


Fog lamps
Japan, late version 1997 and 1998

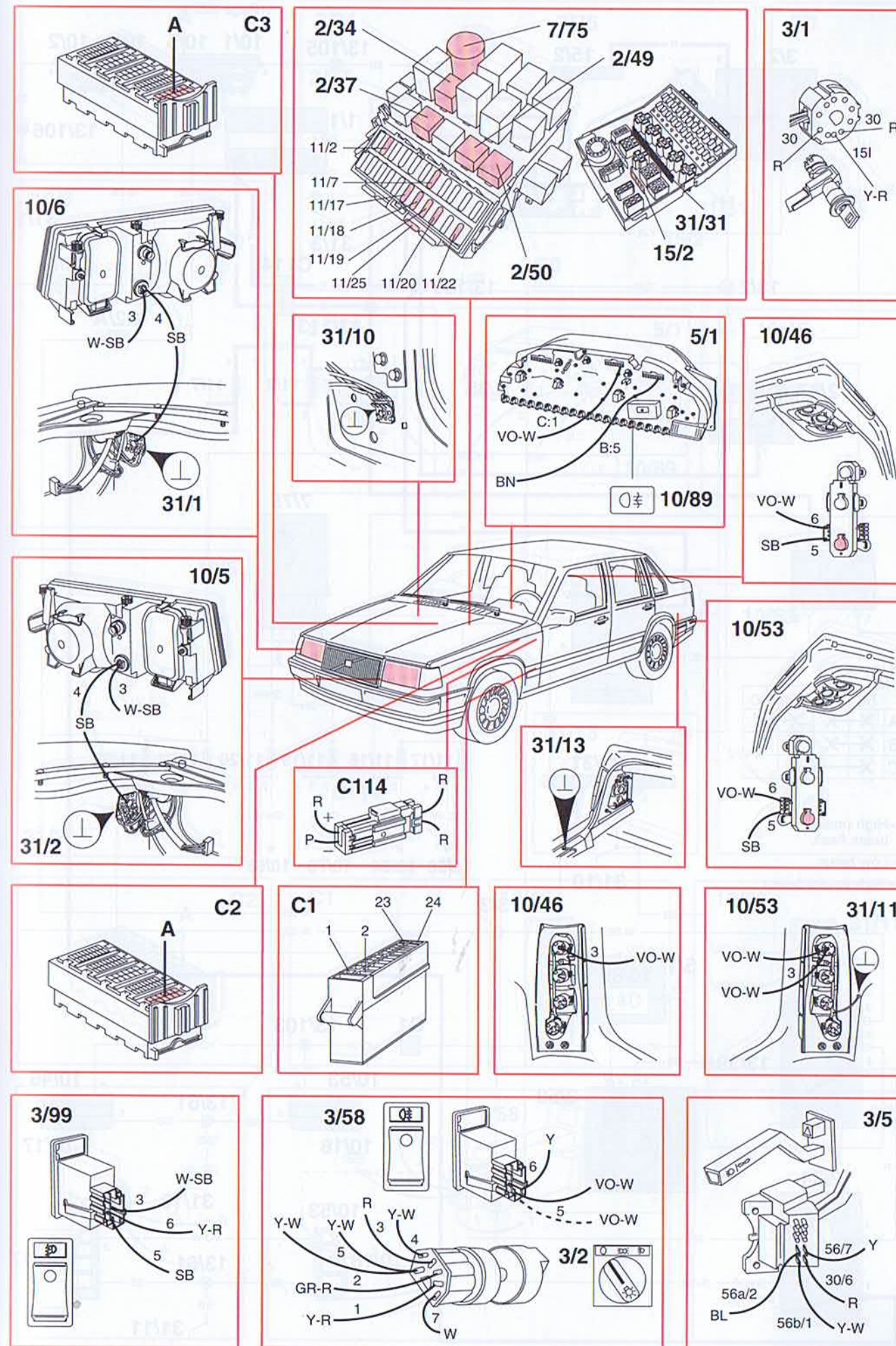


Korea, late version 1997 and 1998

For function diagram see
Page 222

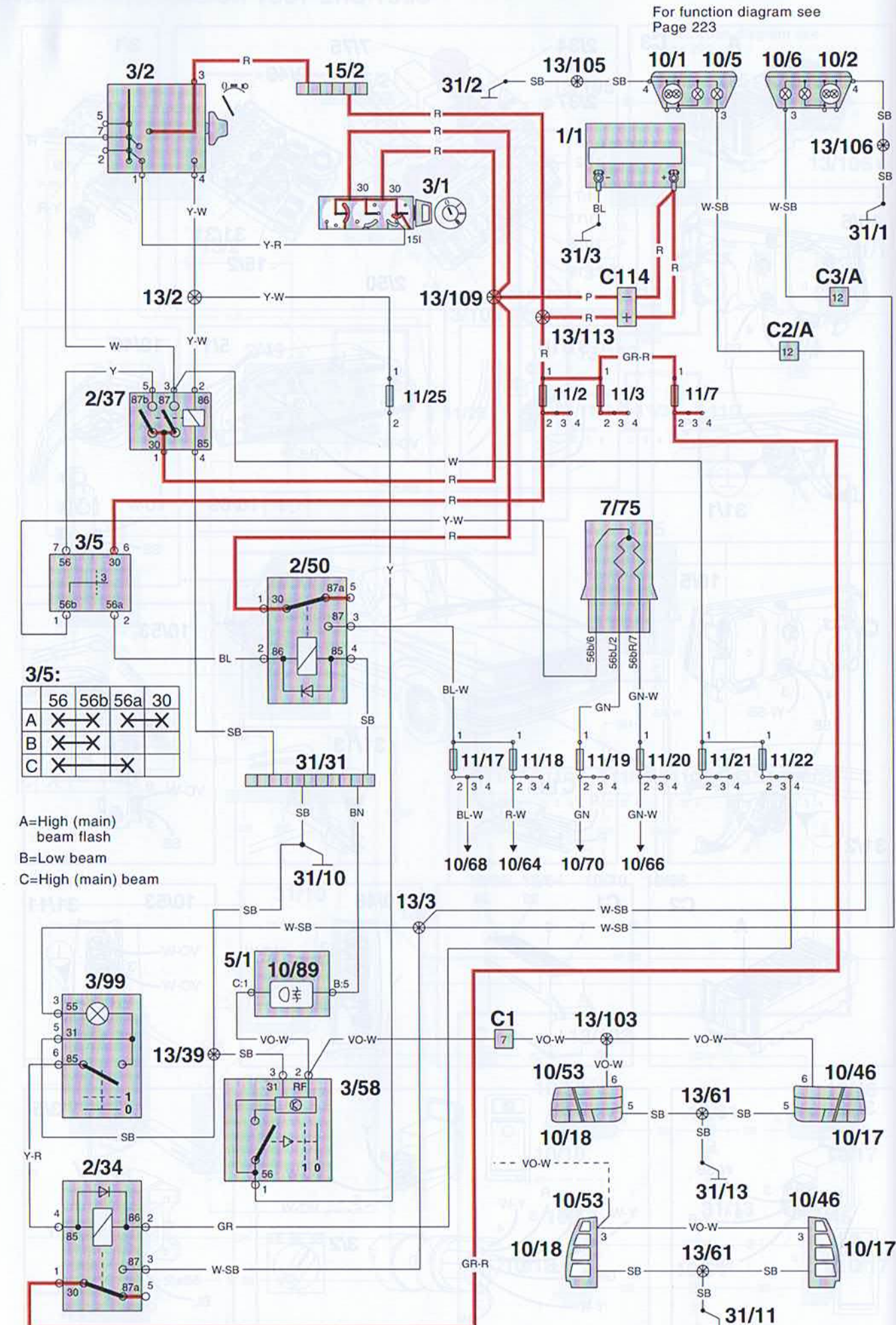


Korea, late version 1997 and 1998

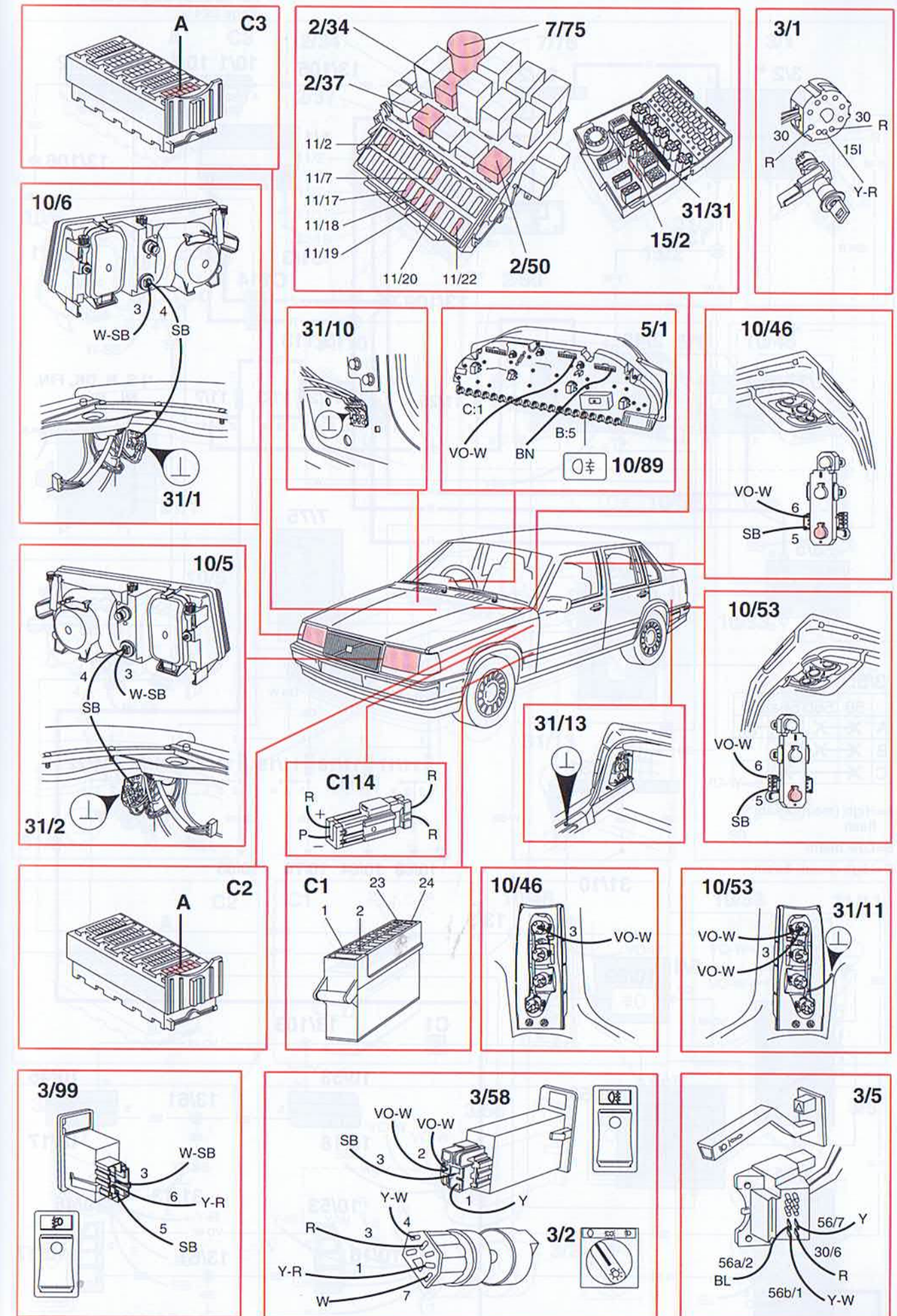


Fog lamps
Great Britain, late version 1997 and 1998

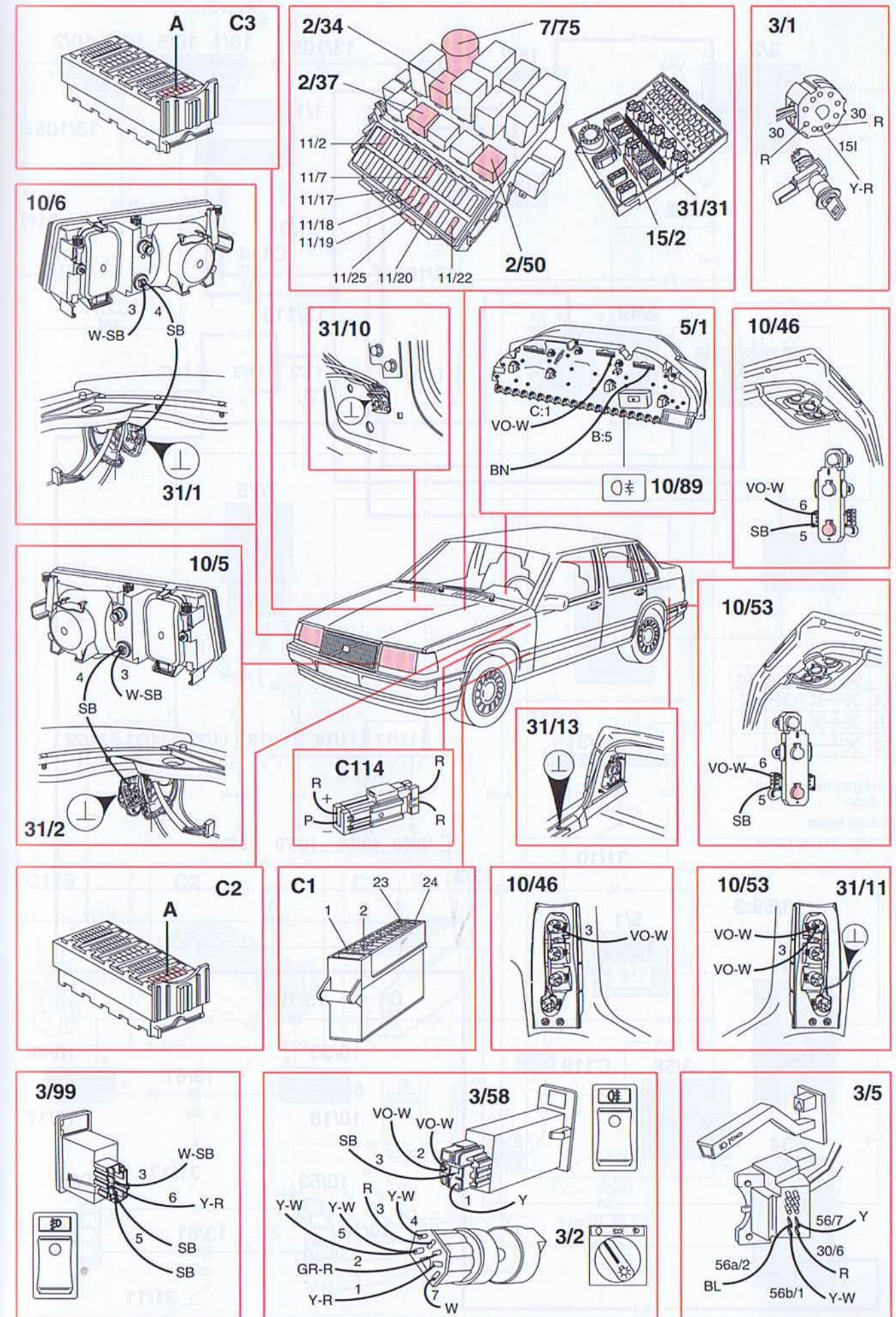
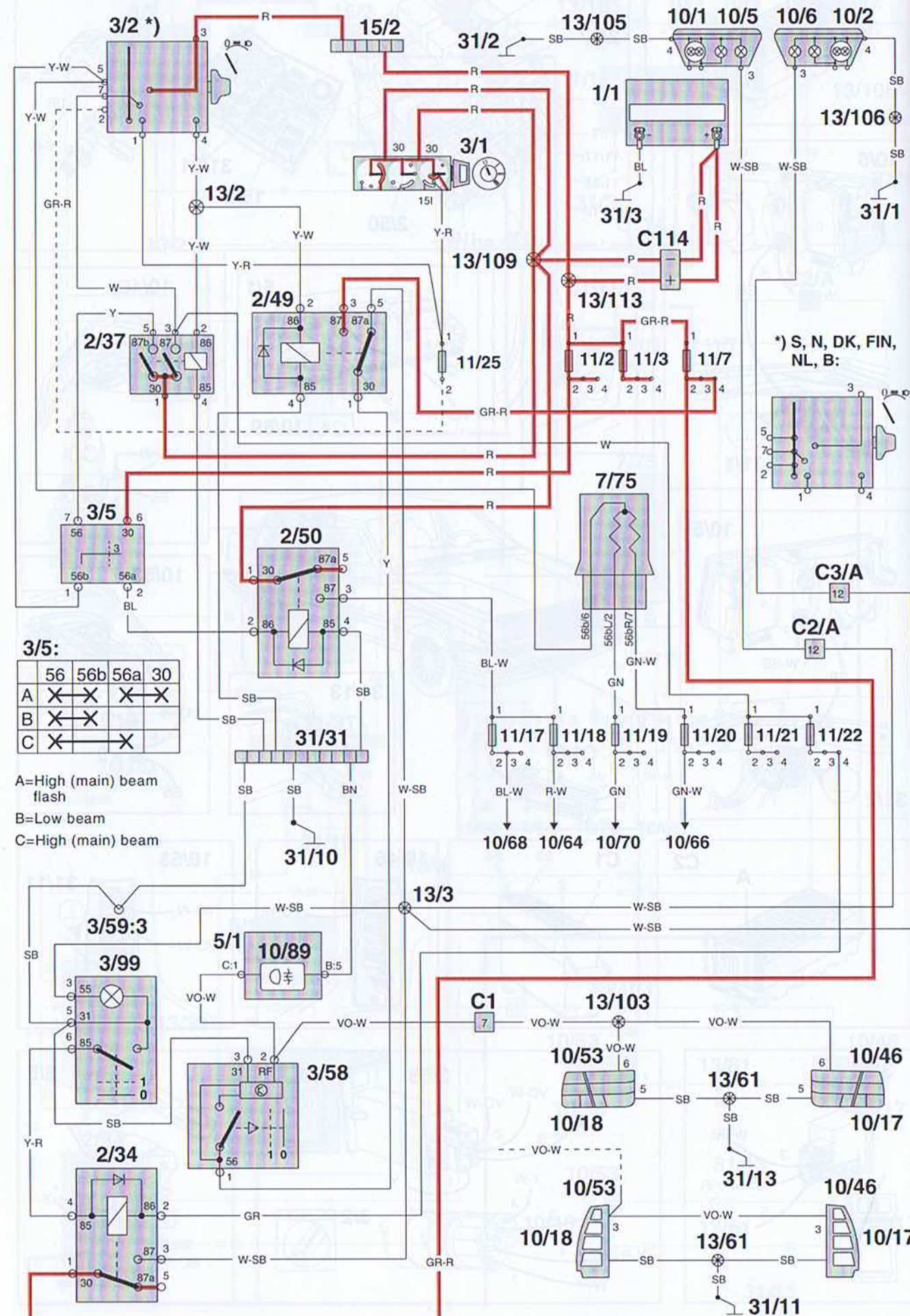
For function diagram see
Page 223



Fog lamps
Great Britain, late version 1997 and 1998

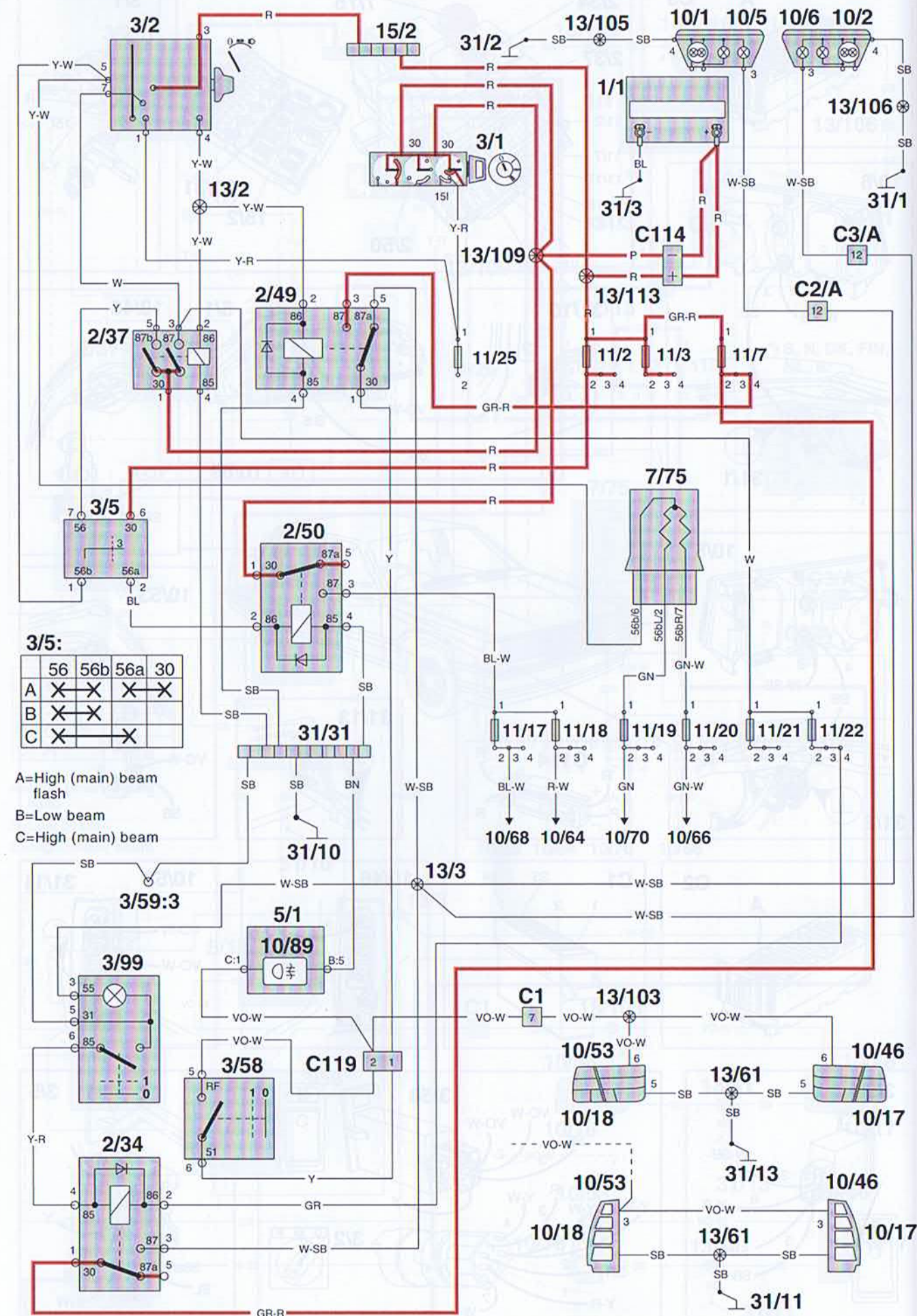


For function diagram see
Page 224

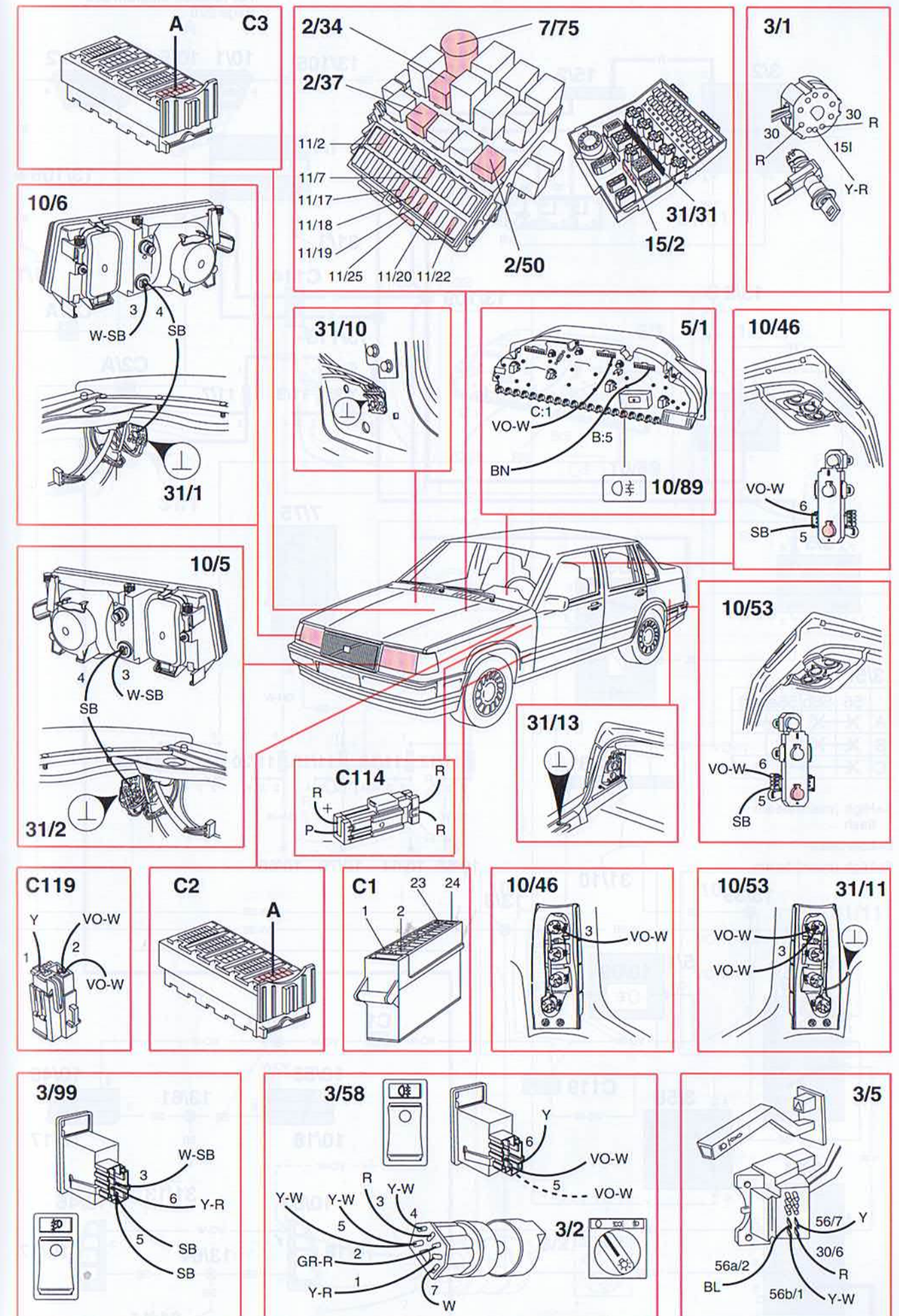


Fog lamps
left-hand drive, late version 1997 and 1998

For function diagram see
Page 225

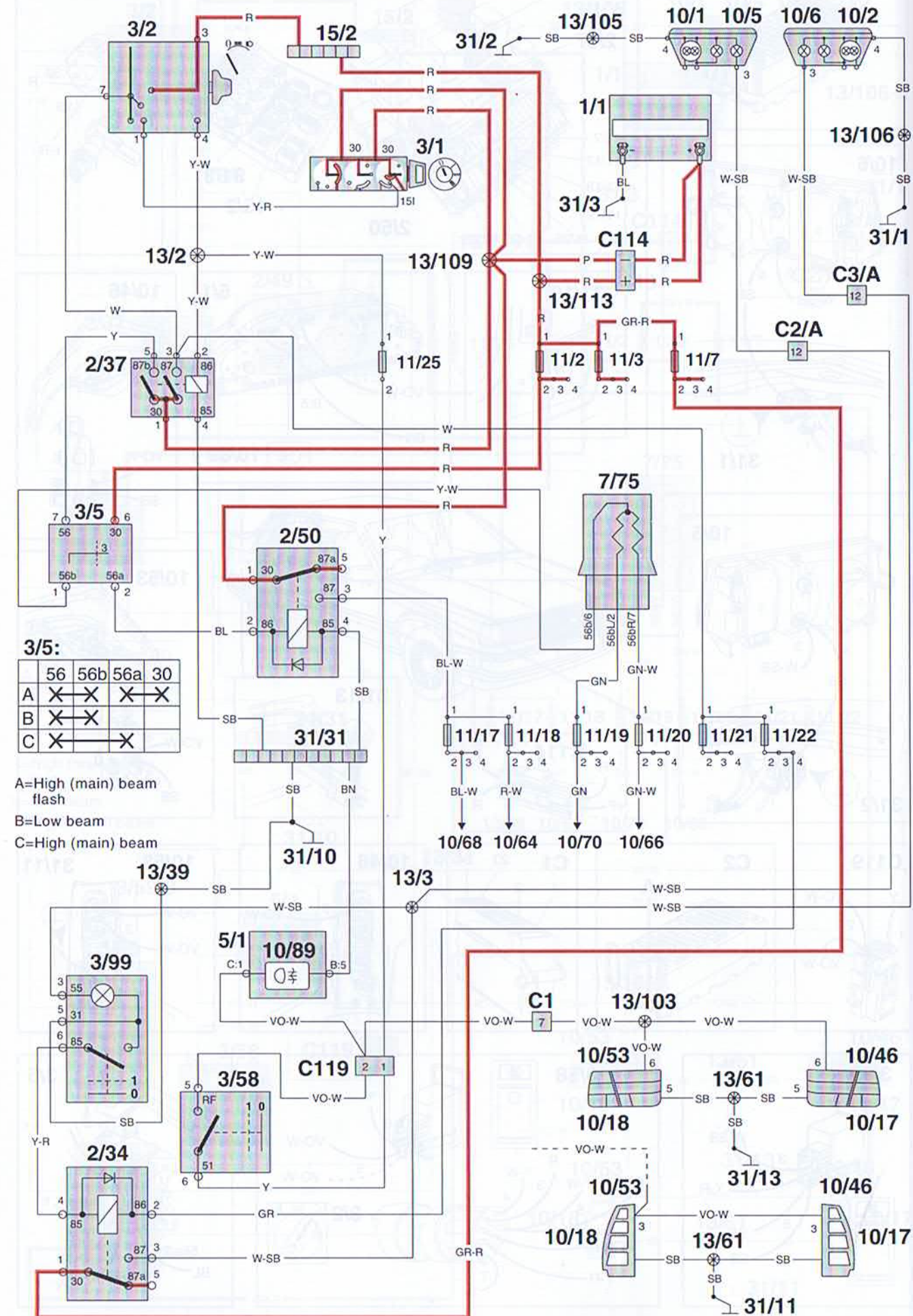


Fog lamps
left-hand drive, late version 1997 and 1998

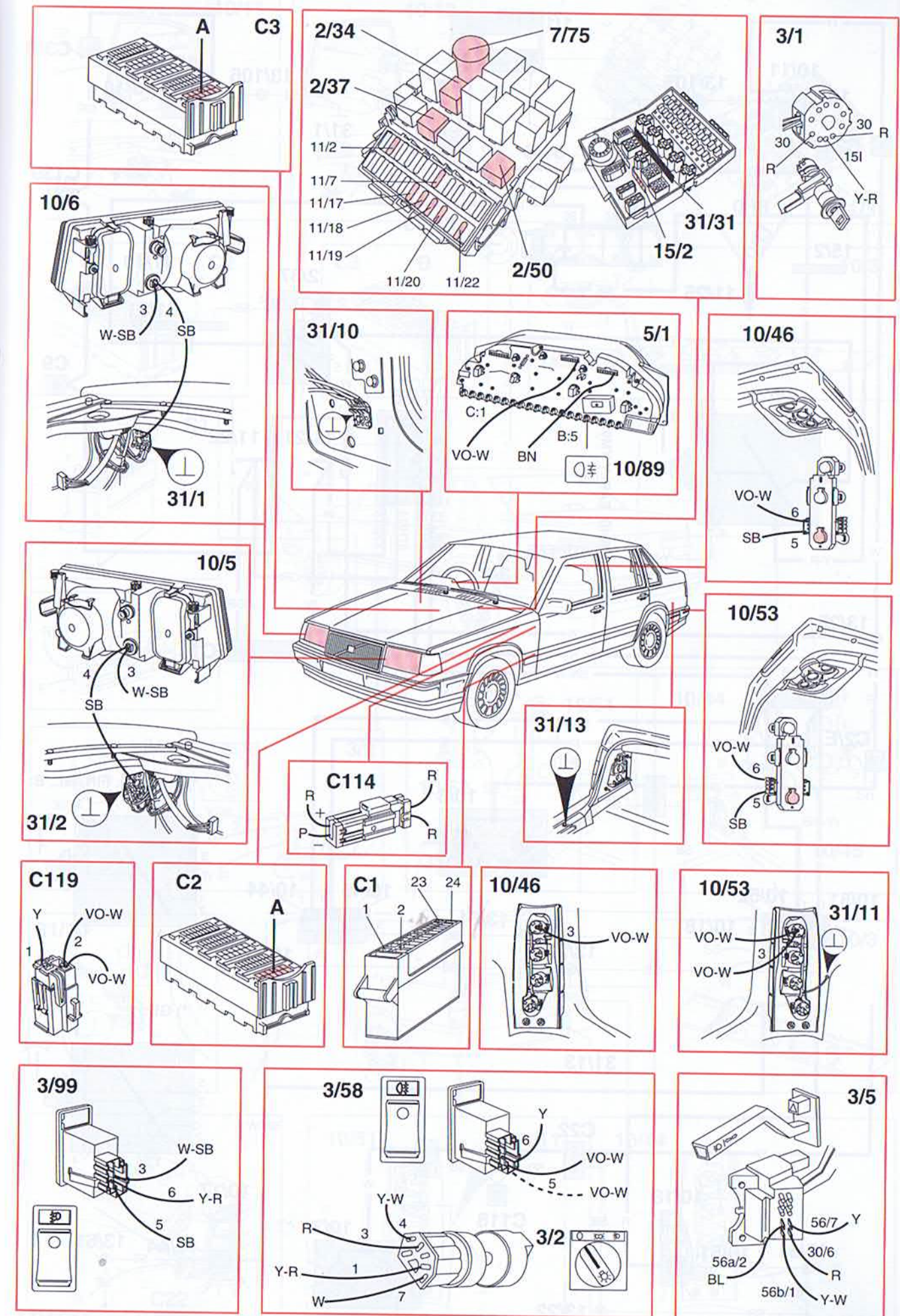


Fog lamps
right-hand drive, late version 1997 and 1998

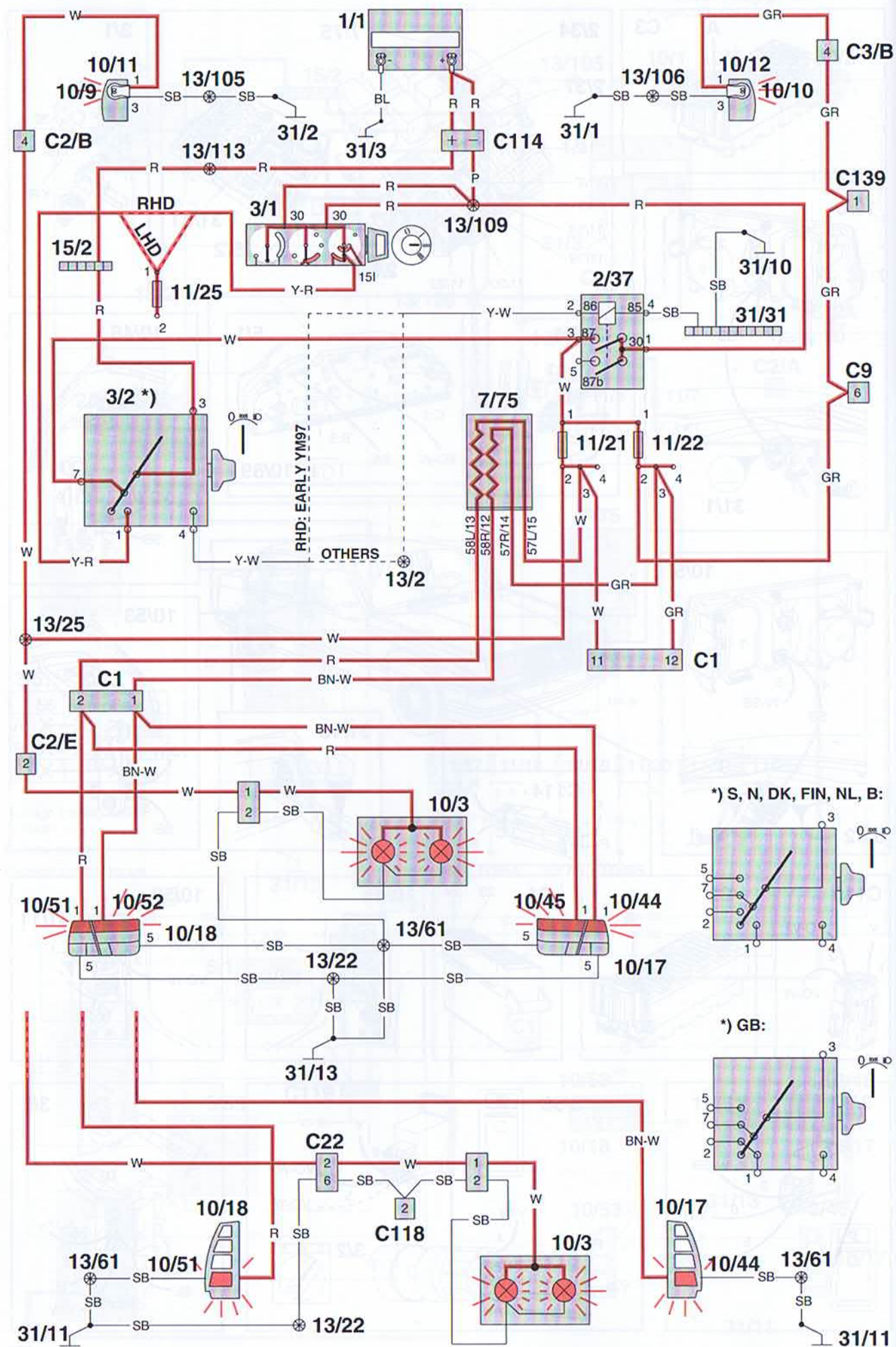
For function diagram see
Page 226



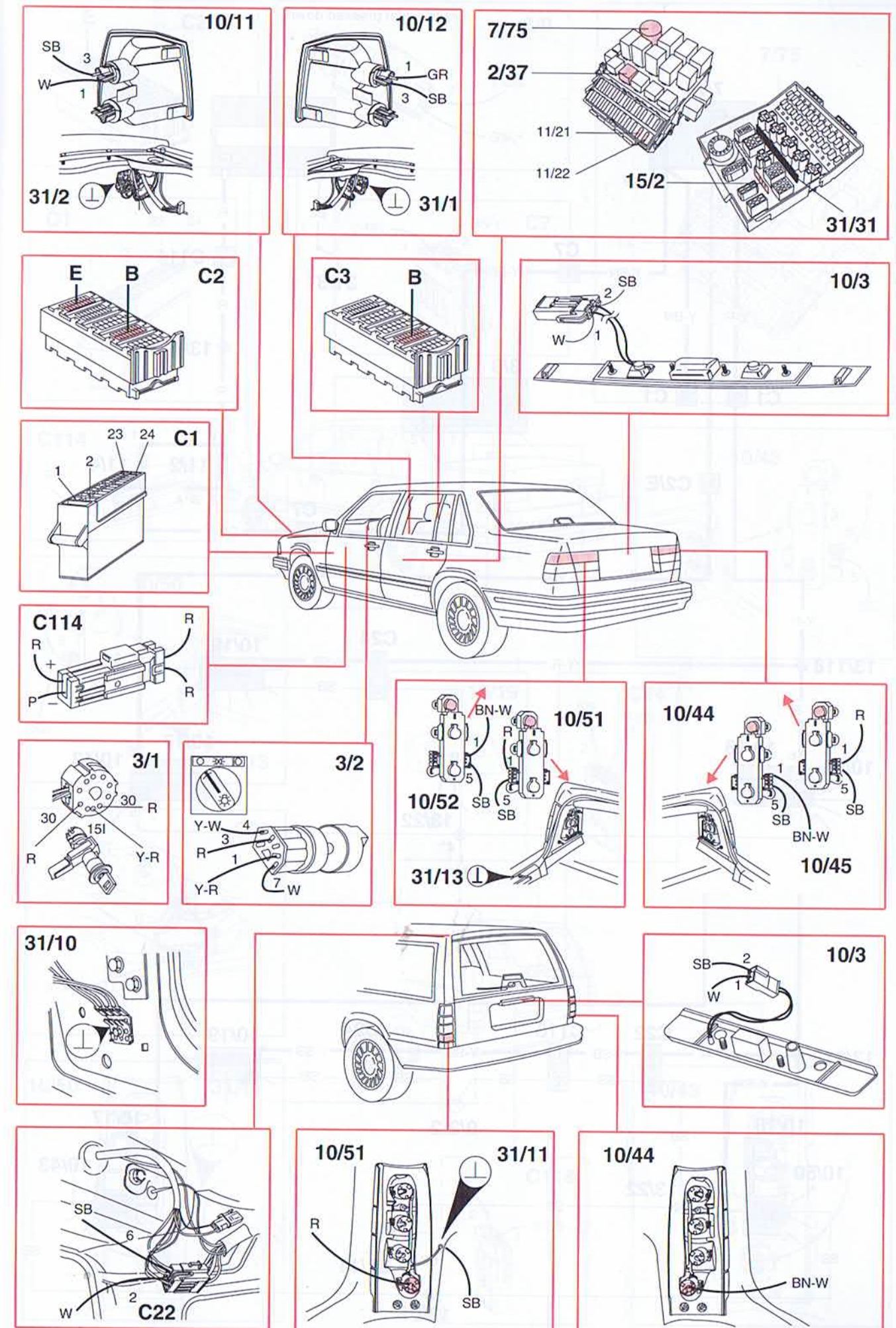
Fog lamps
right-hand drive, late version 1997 and 1998



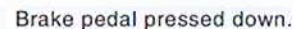
Parking lamps, tail lamps and license (number) plate lighting



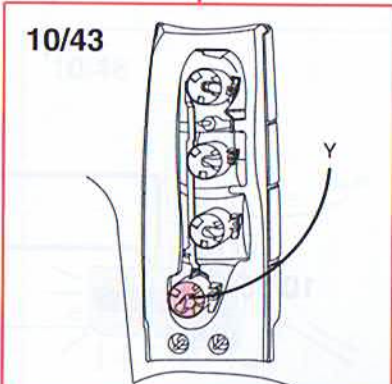
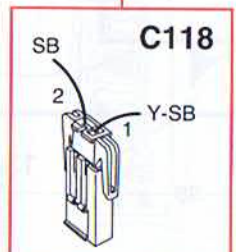
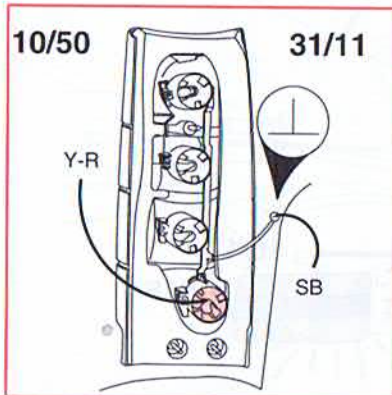
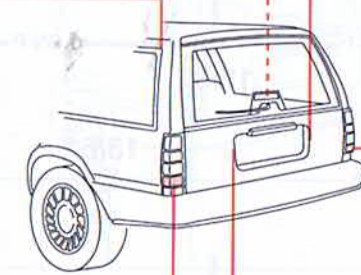
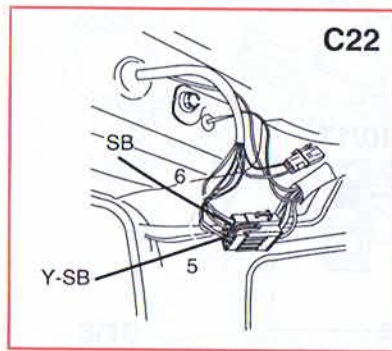
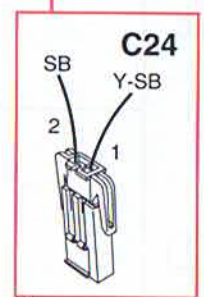
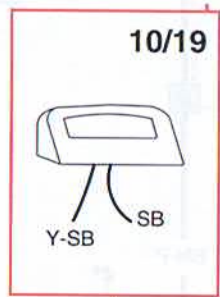
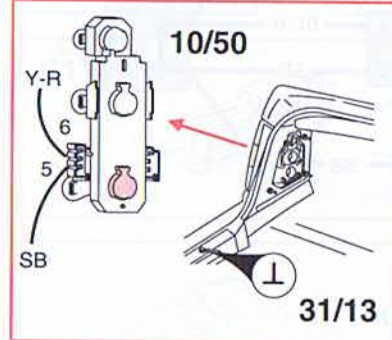
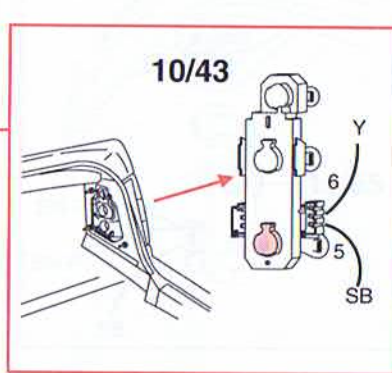
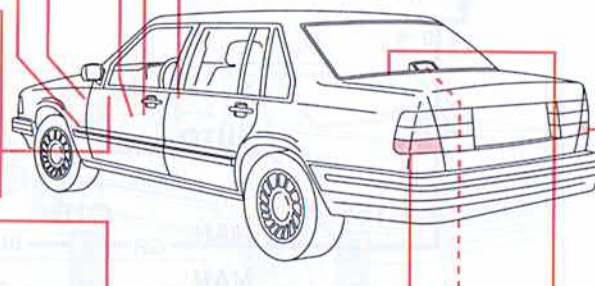
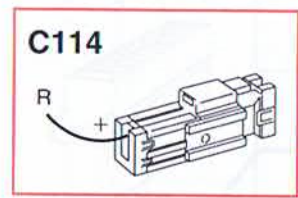
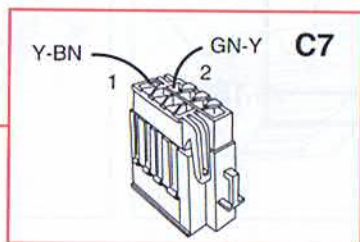
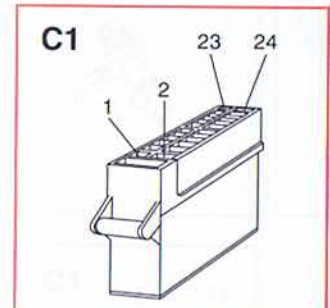
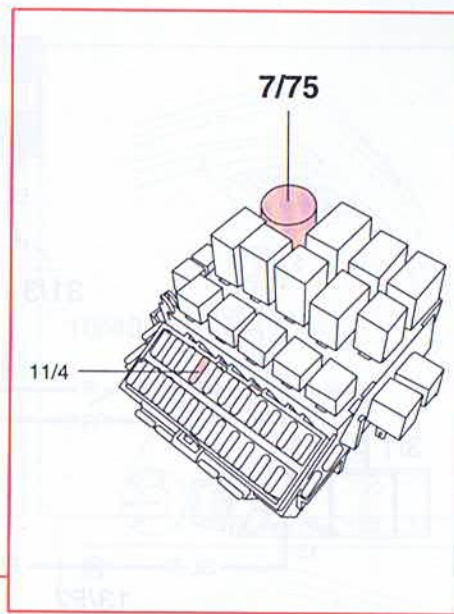
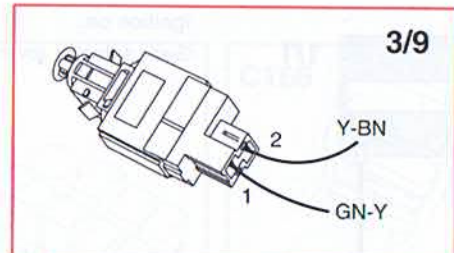
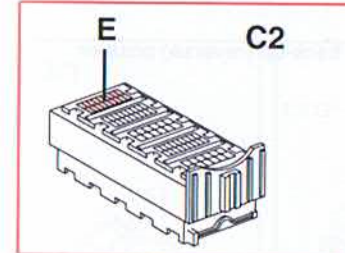
Parking lamps, tail lamps and license (number) plate lighting

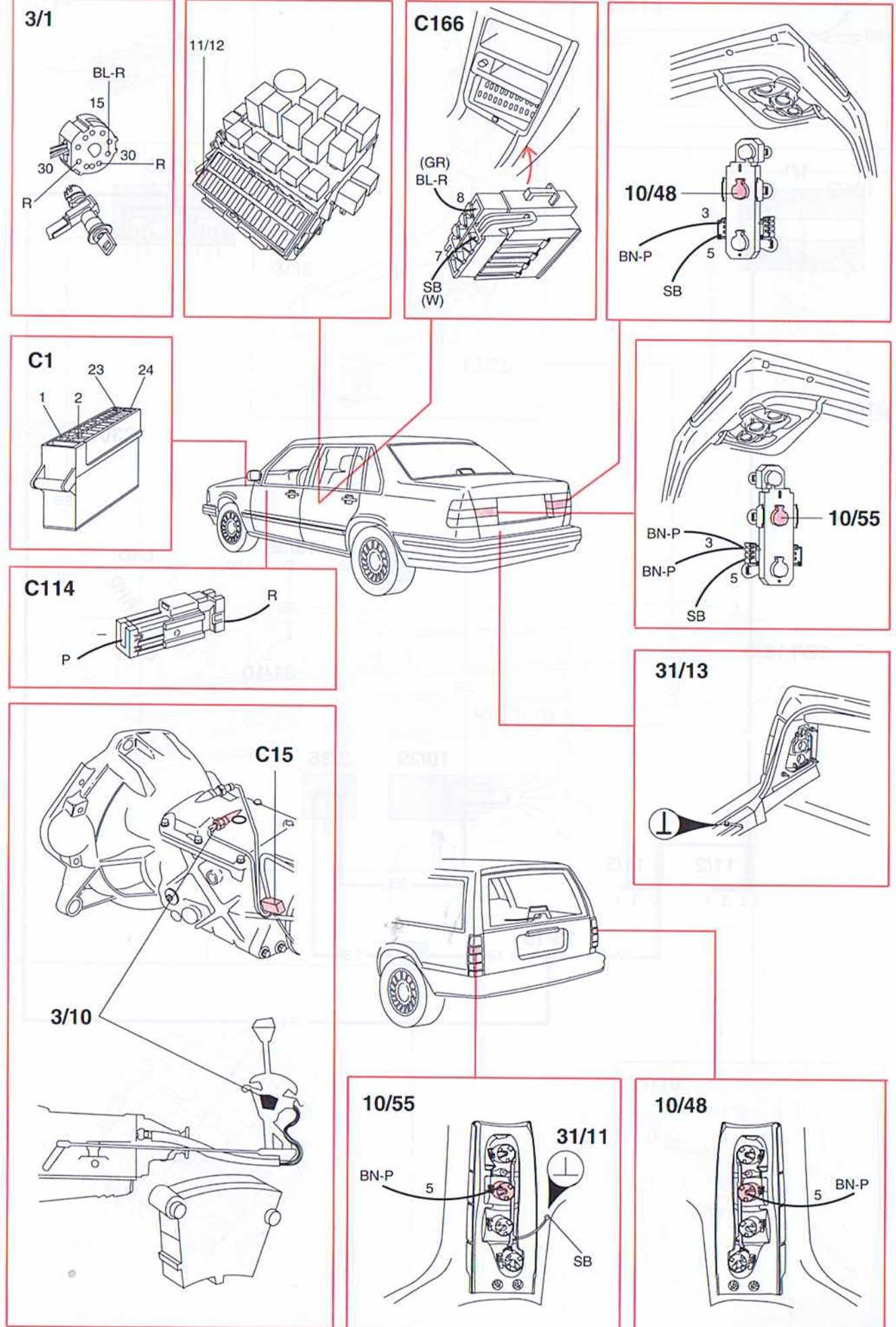
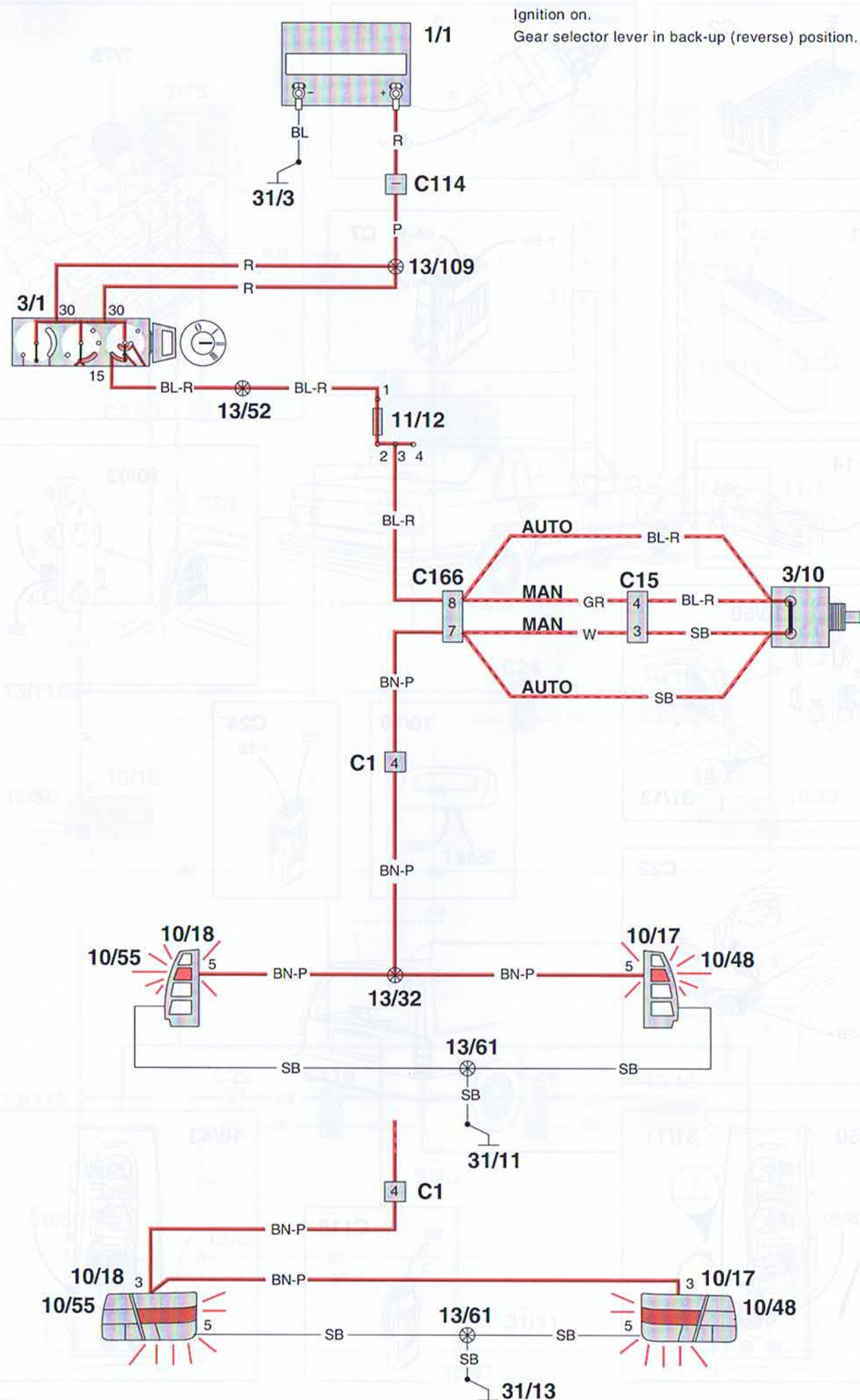


Stop (brake) lamps



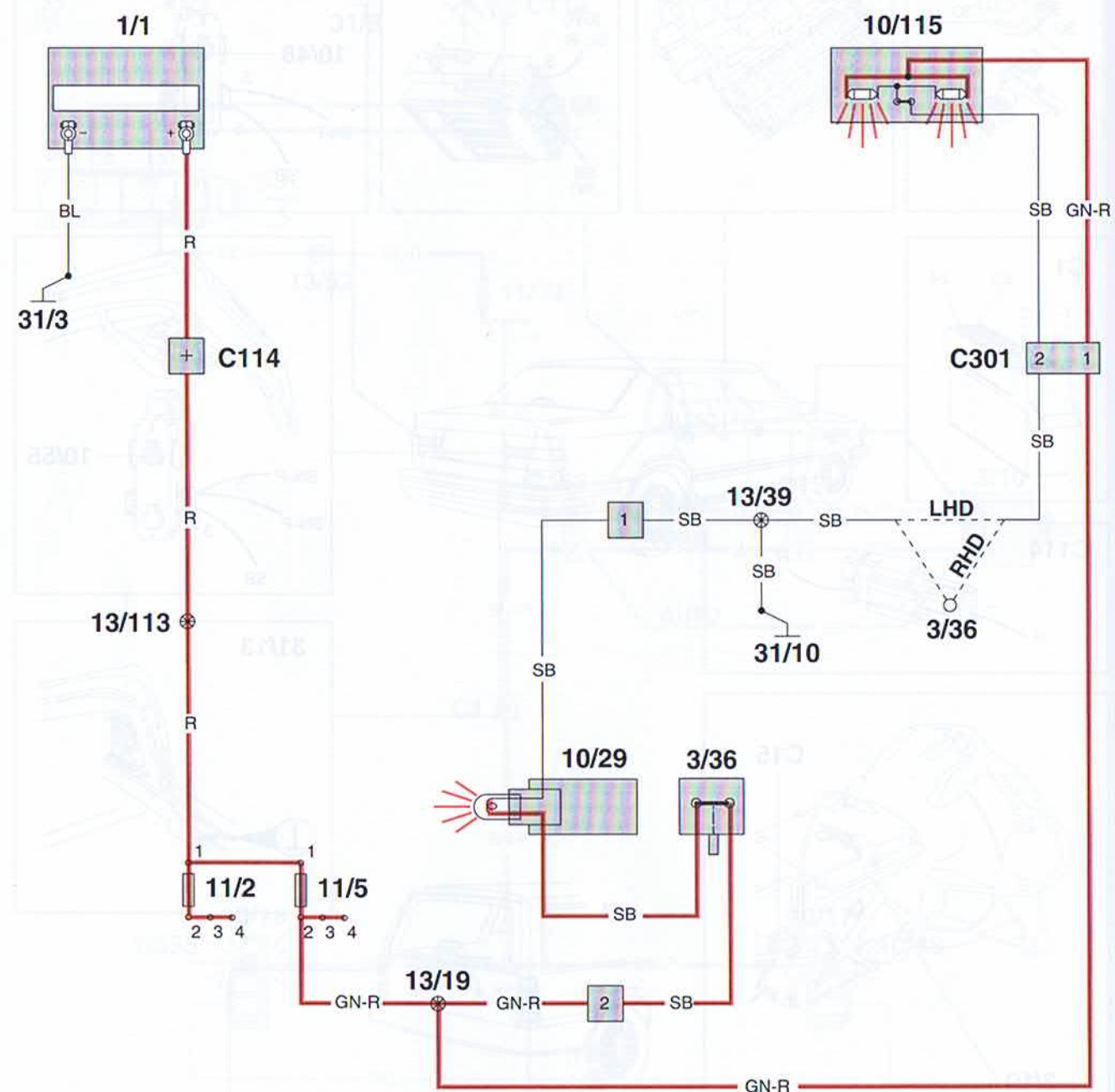
Stop (brake) lamps



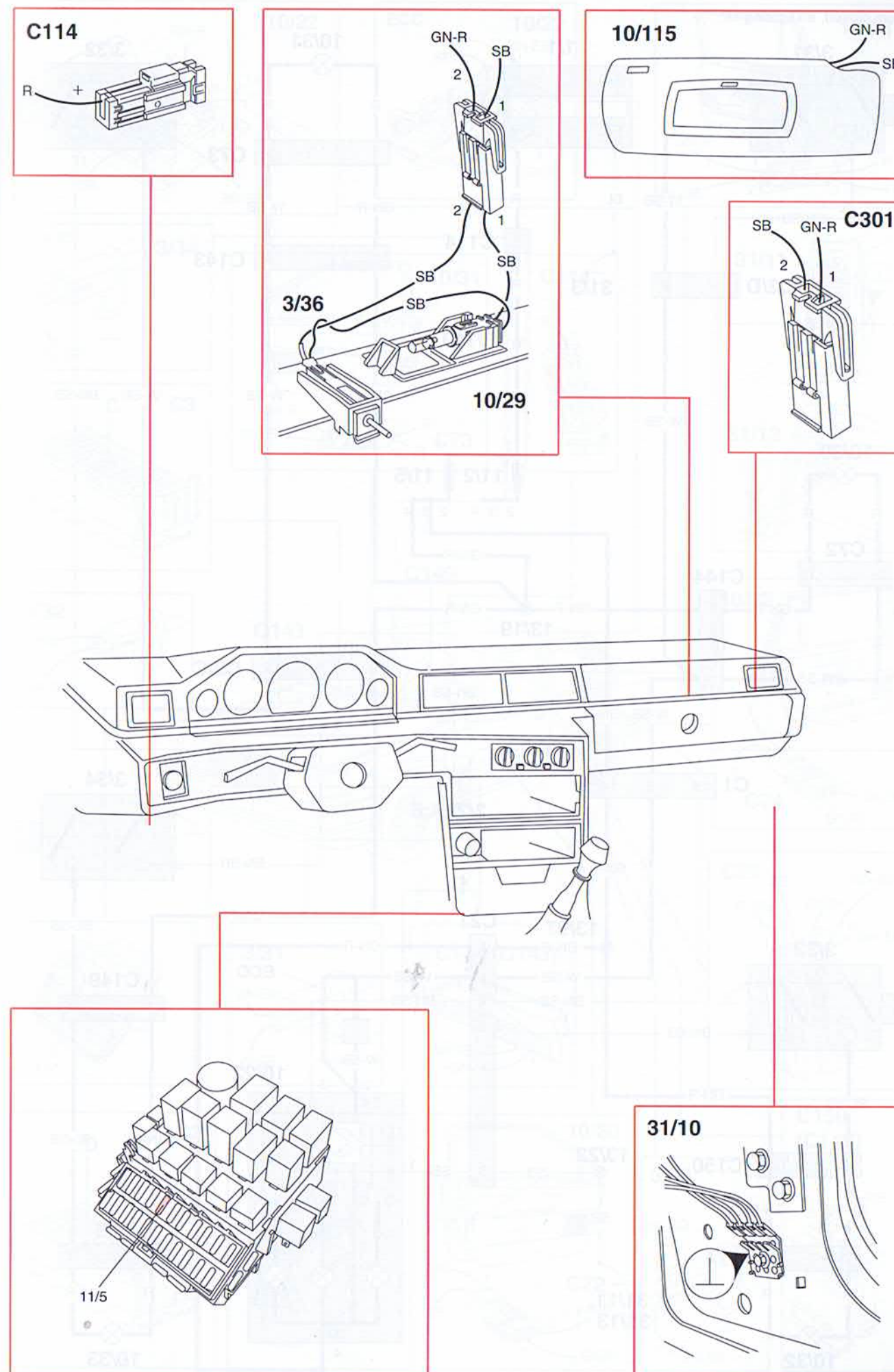


Glove box and Vanity mirror lighting

Glove box lid open and vanity mirror cover open.

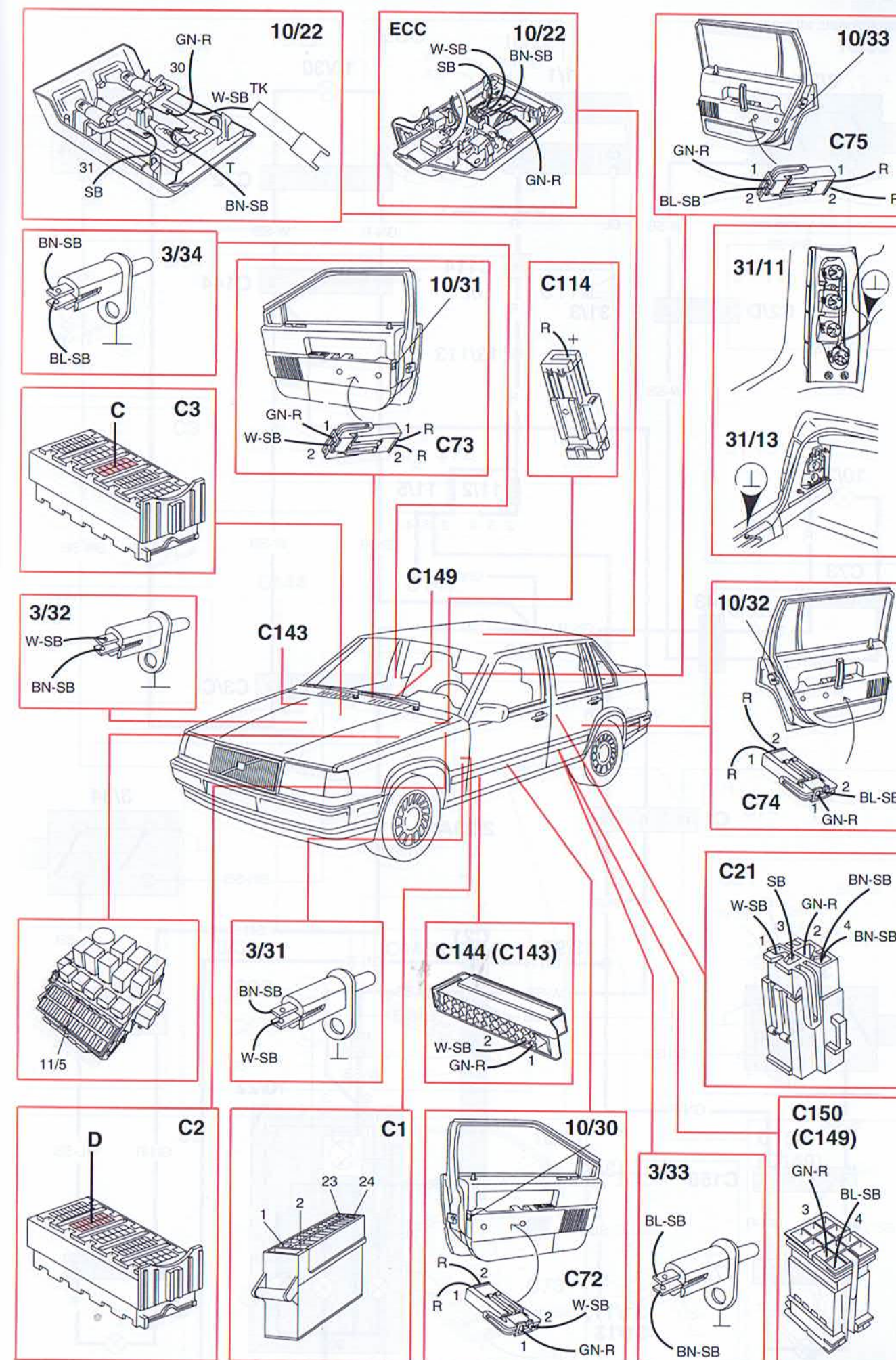
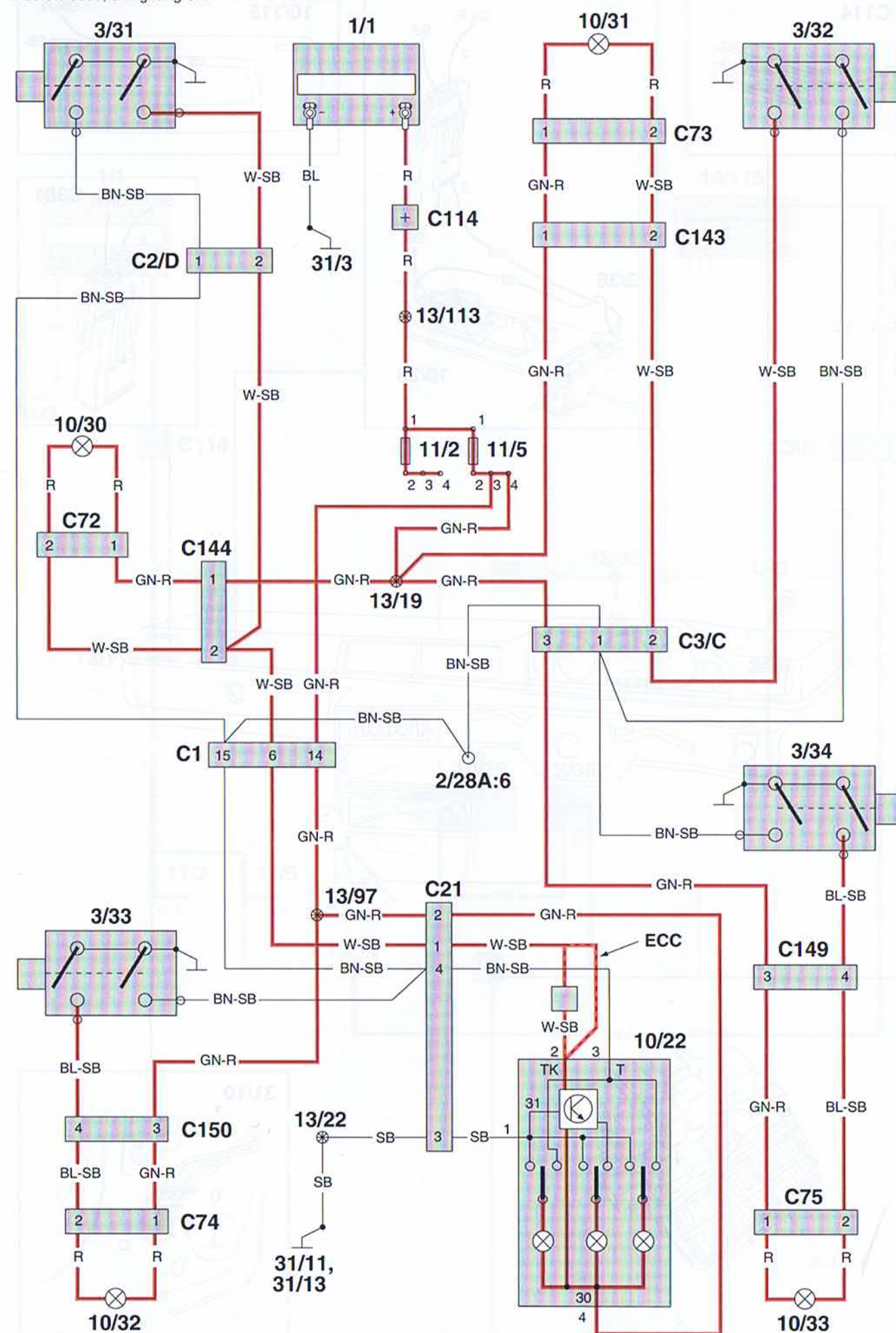


Glove box and Vanity mirror lighting



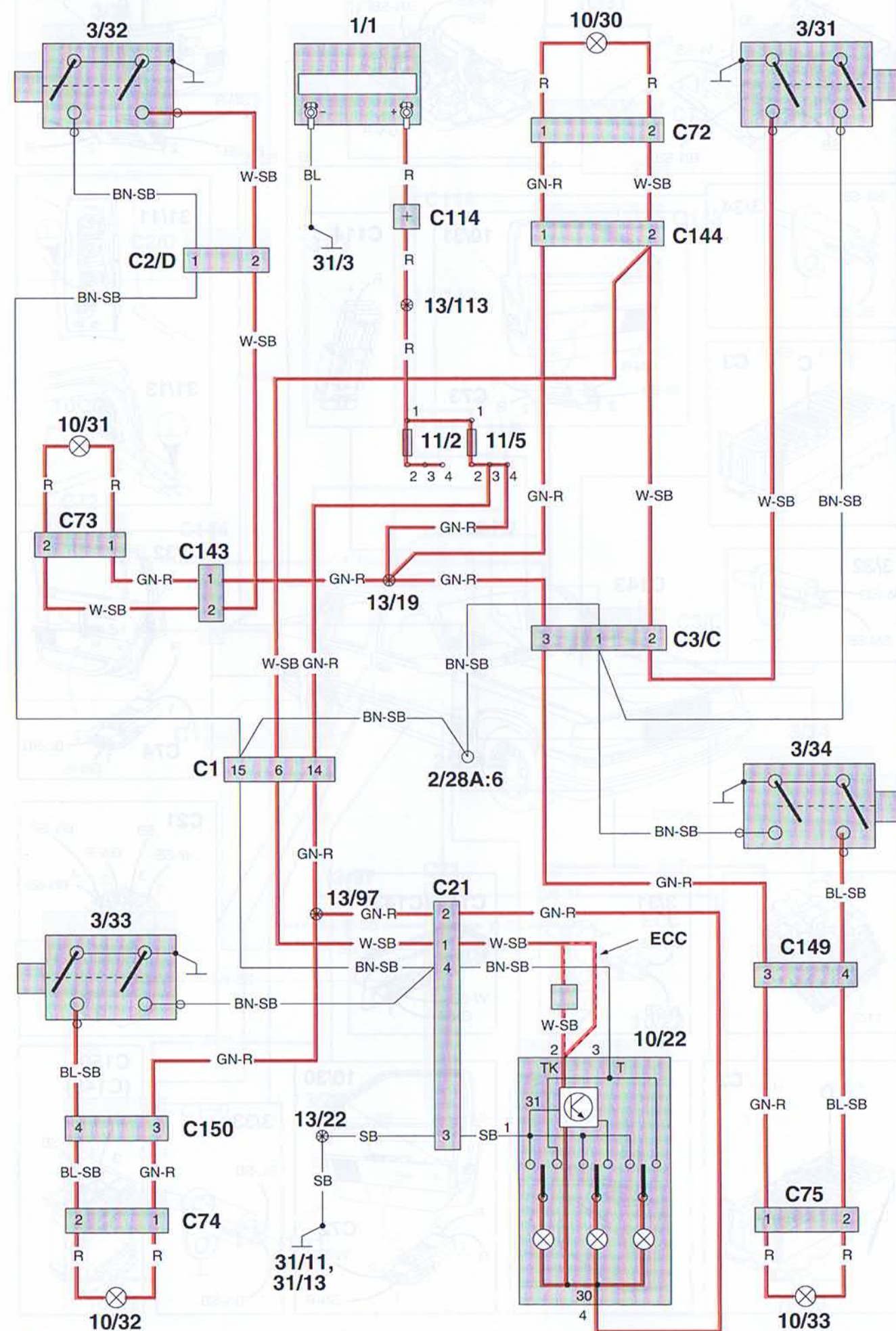
Doors closed, all lighting off.

Doors closed, all lighting off.

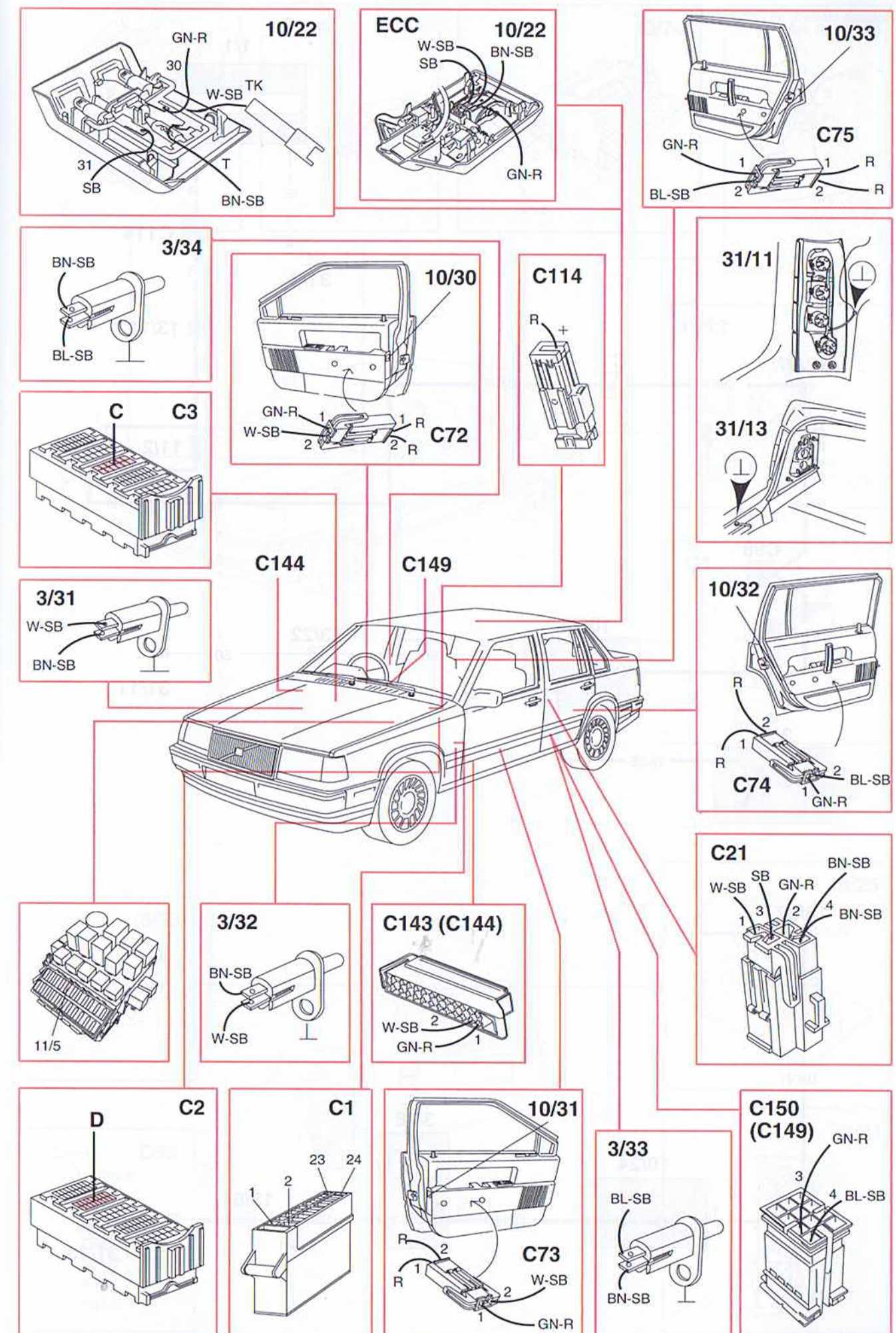


Courtesy lighting right-hand drive cars

Doors closed, all lighting off.

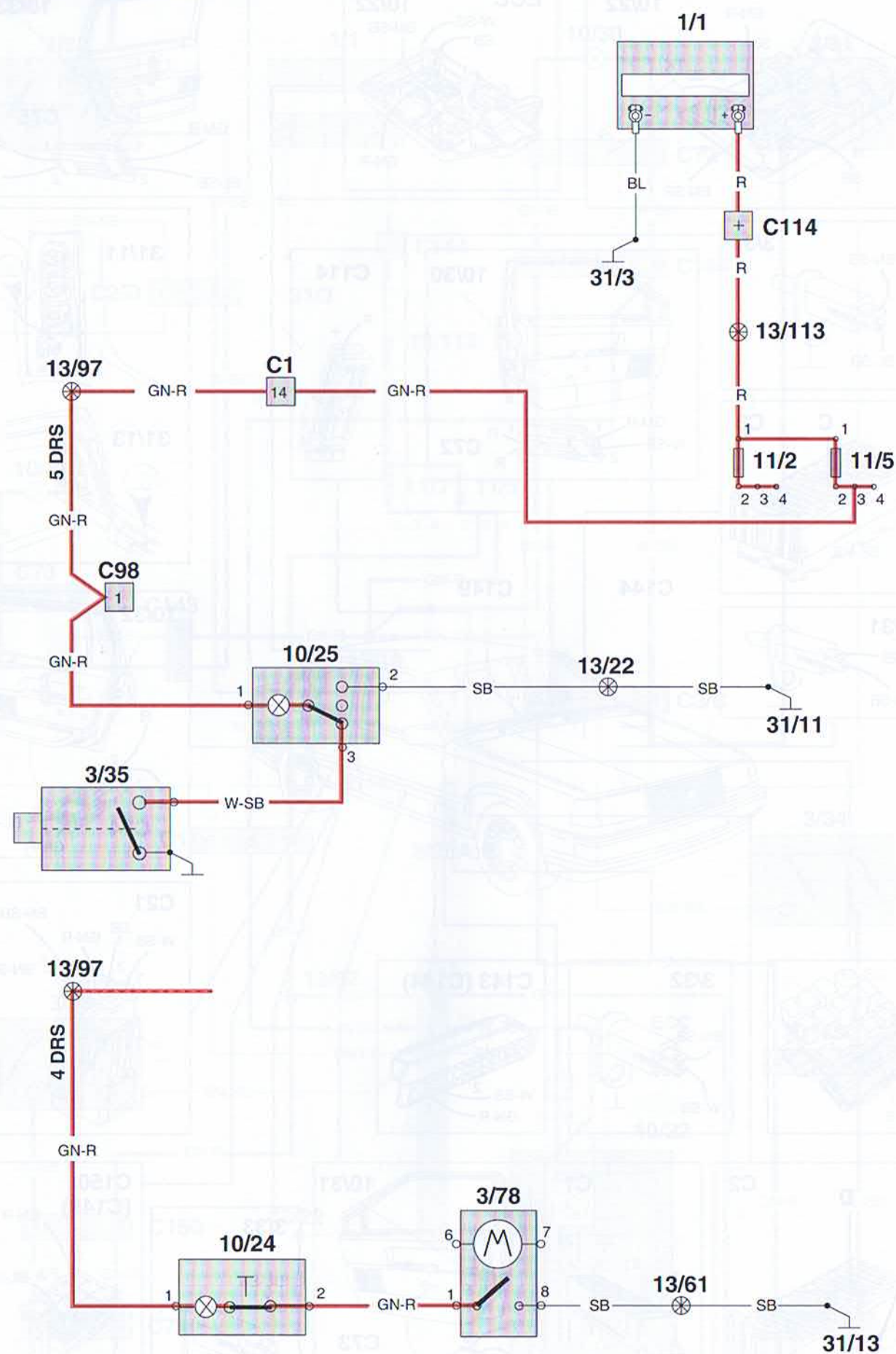


Courtesy lighting right-hand drive cars

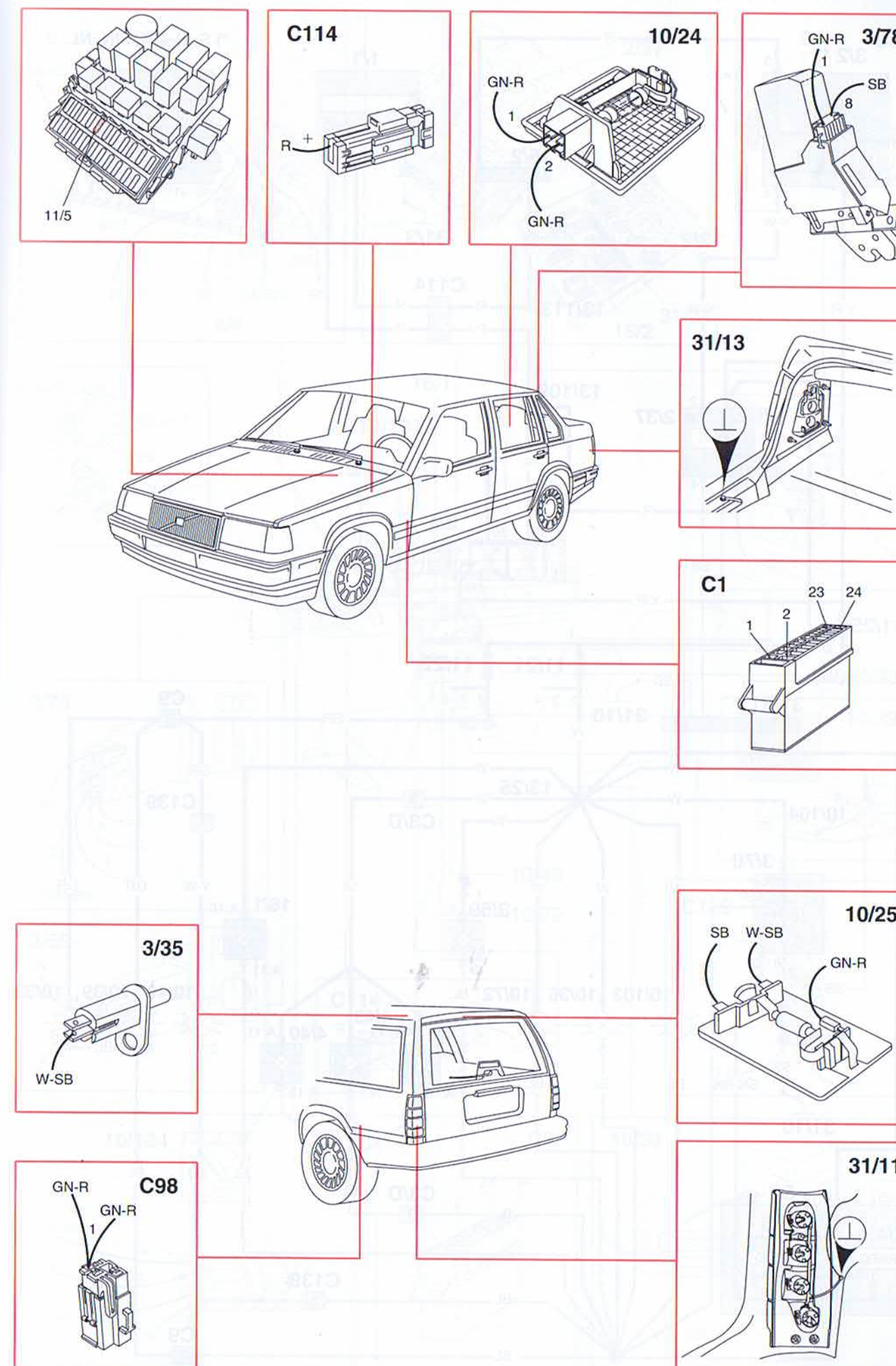


Cargo area lighting

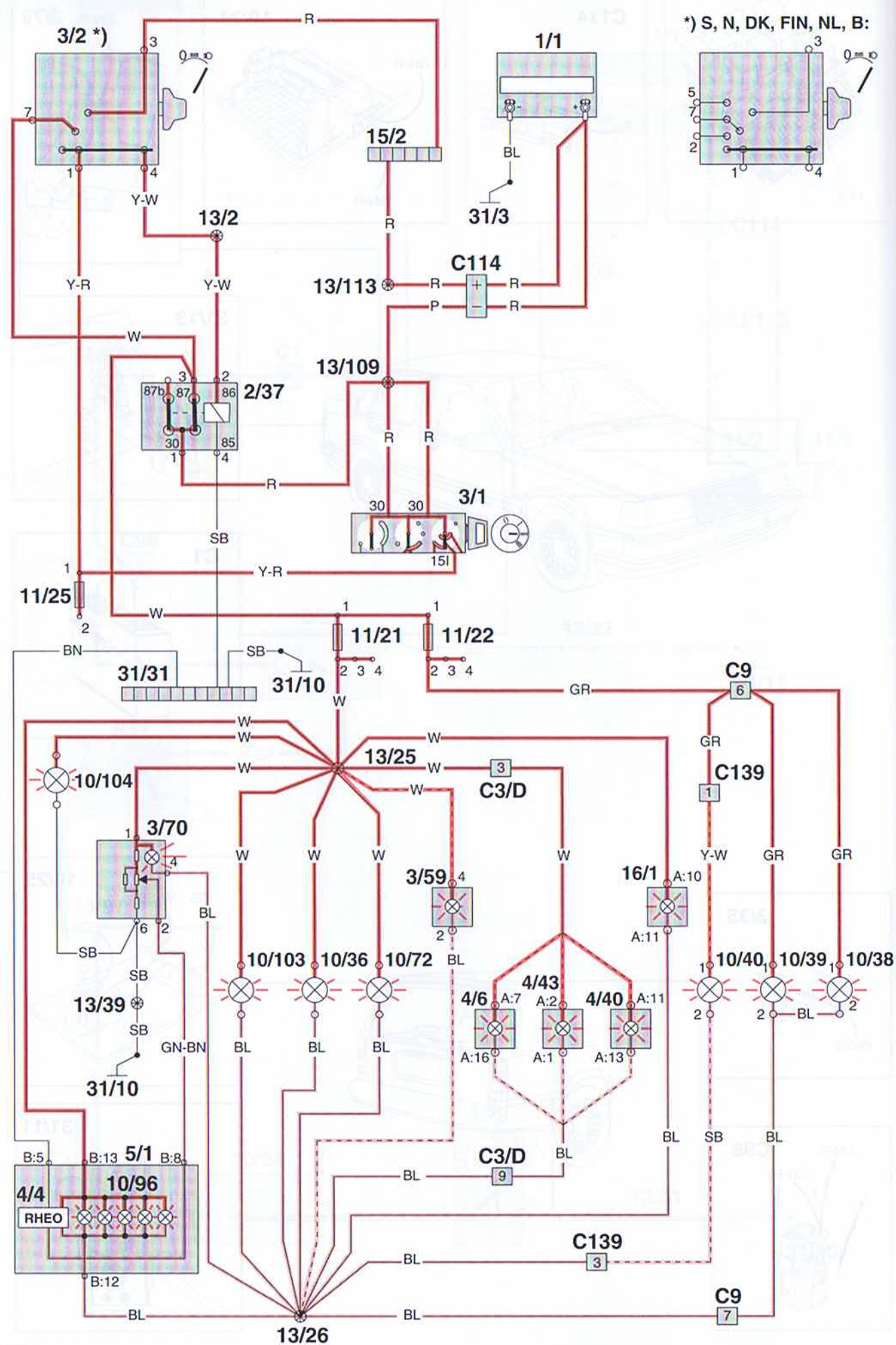
Tailgate closed, all lighting off.



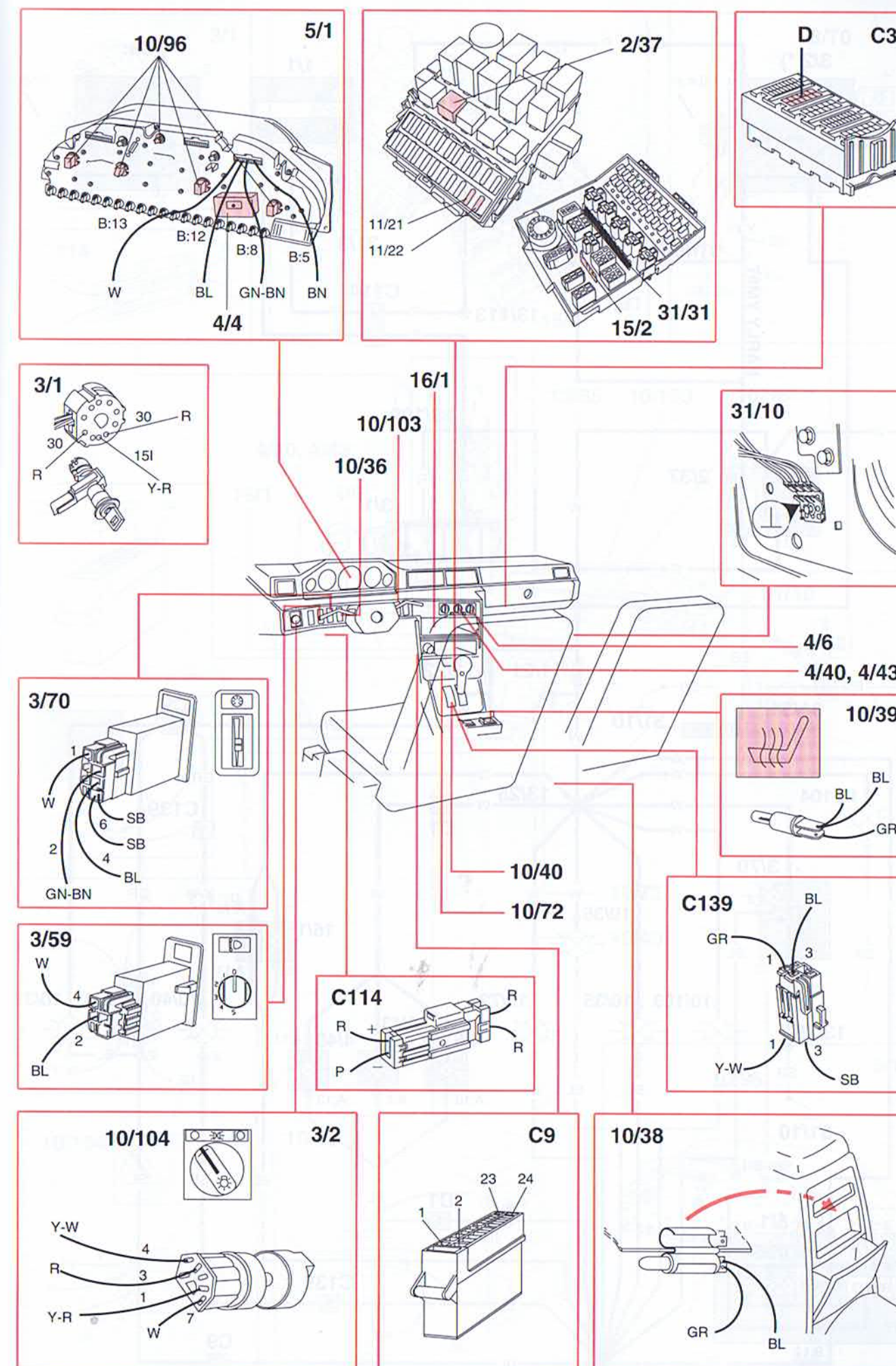
Cargo area lighting



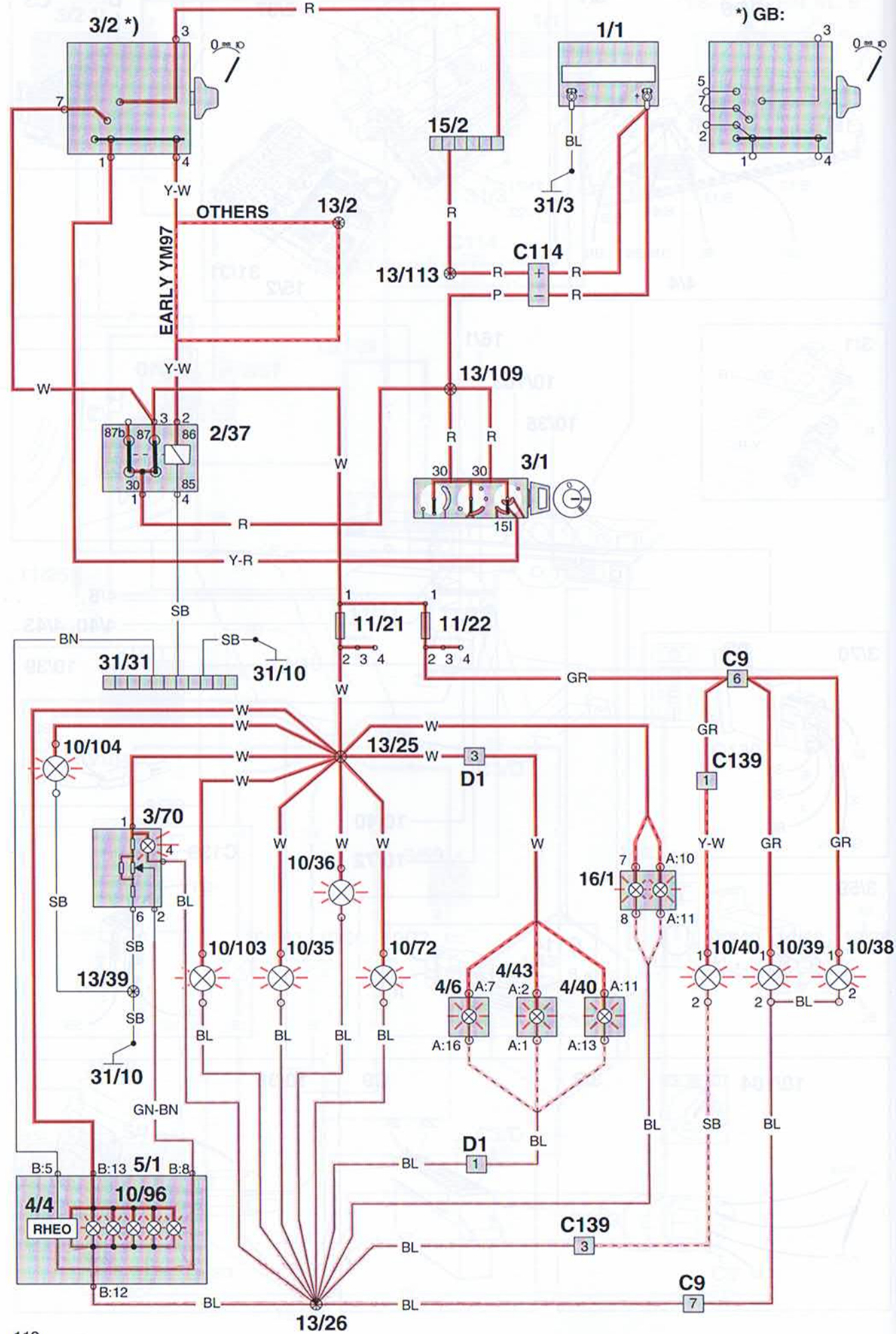
Instrument and control lighting left-hand drive cars



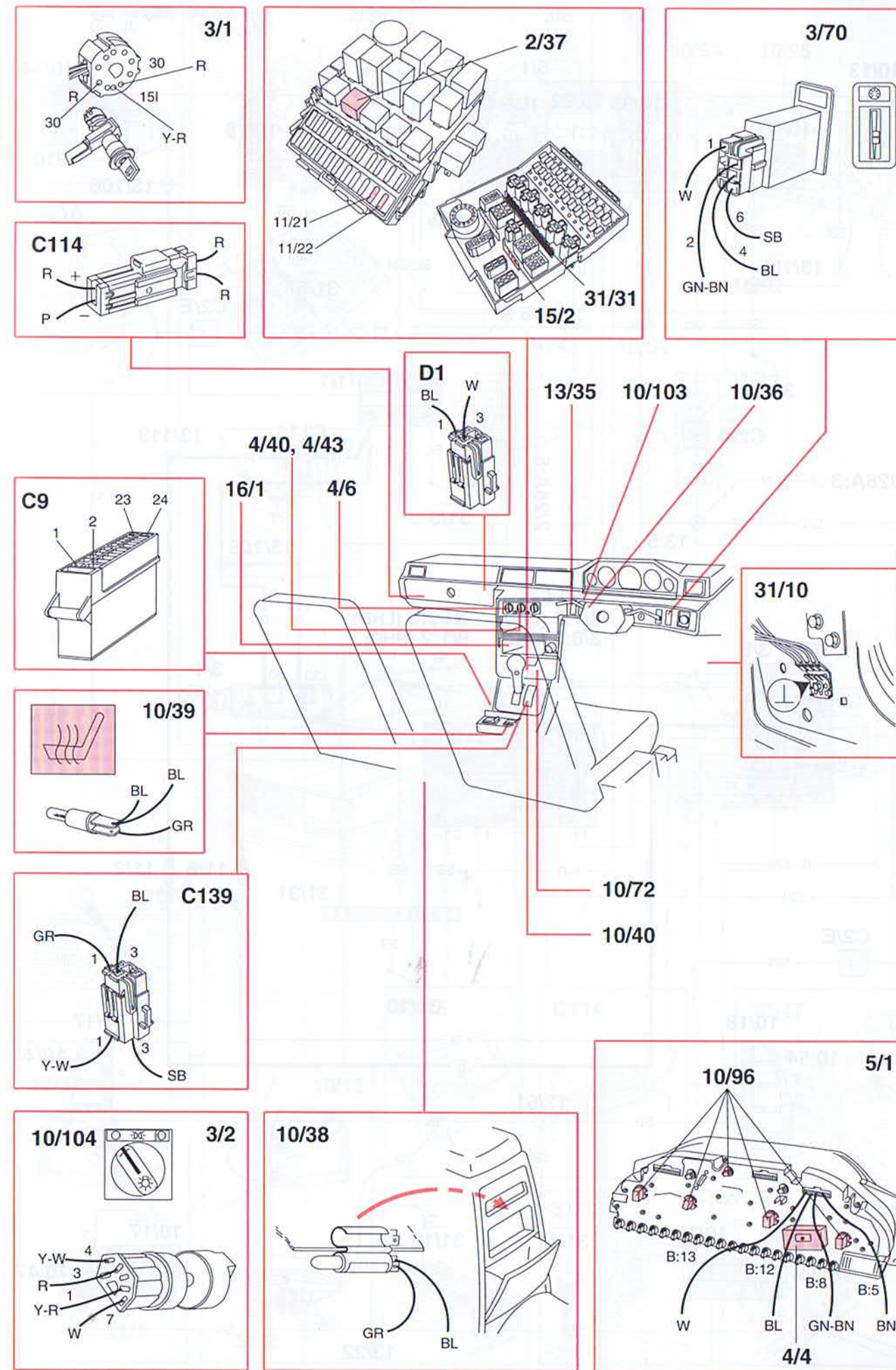
**Instrument and control lighting
left-hand drive cars**



Instrument and control lighting right-hand drive cars

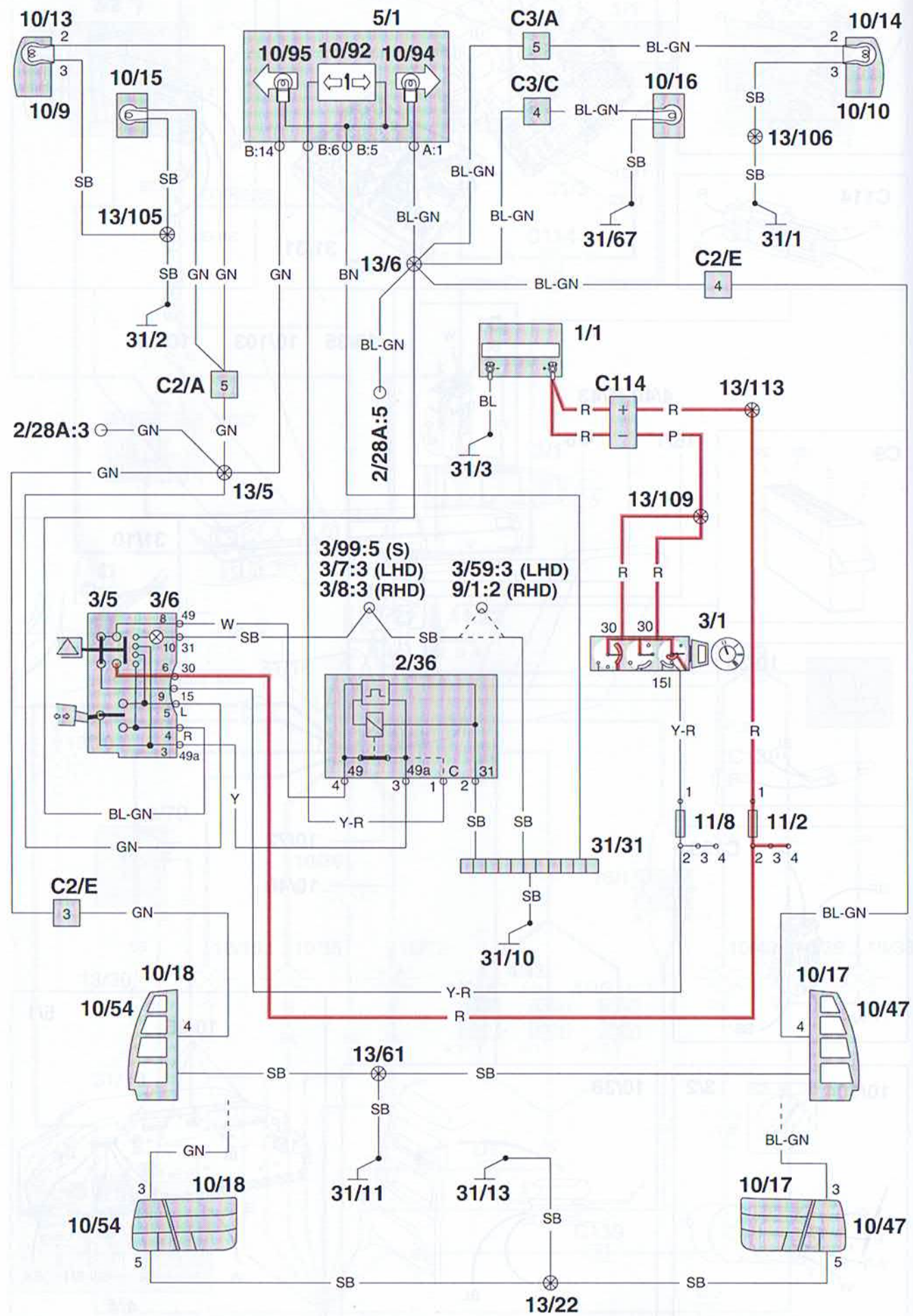


Instrument and control lighting right-hand drive cars

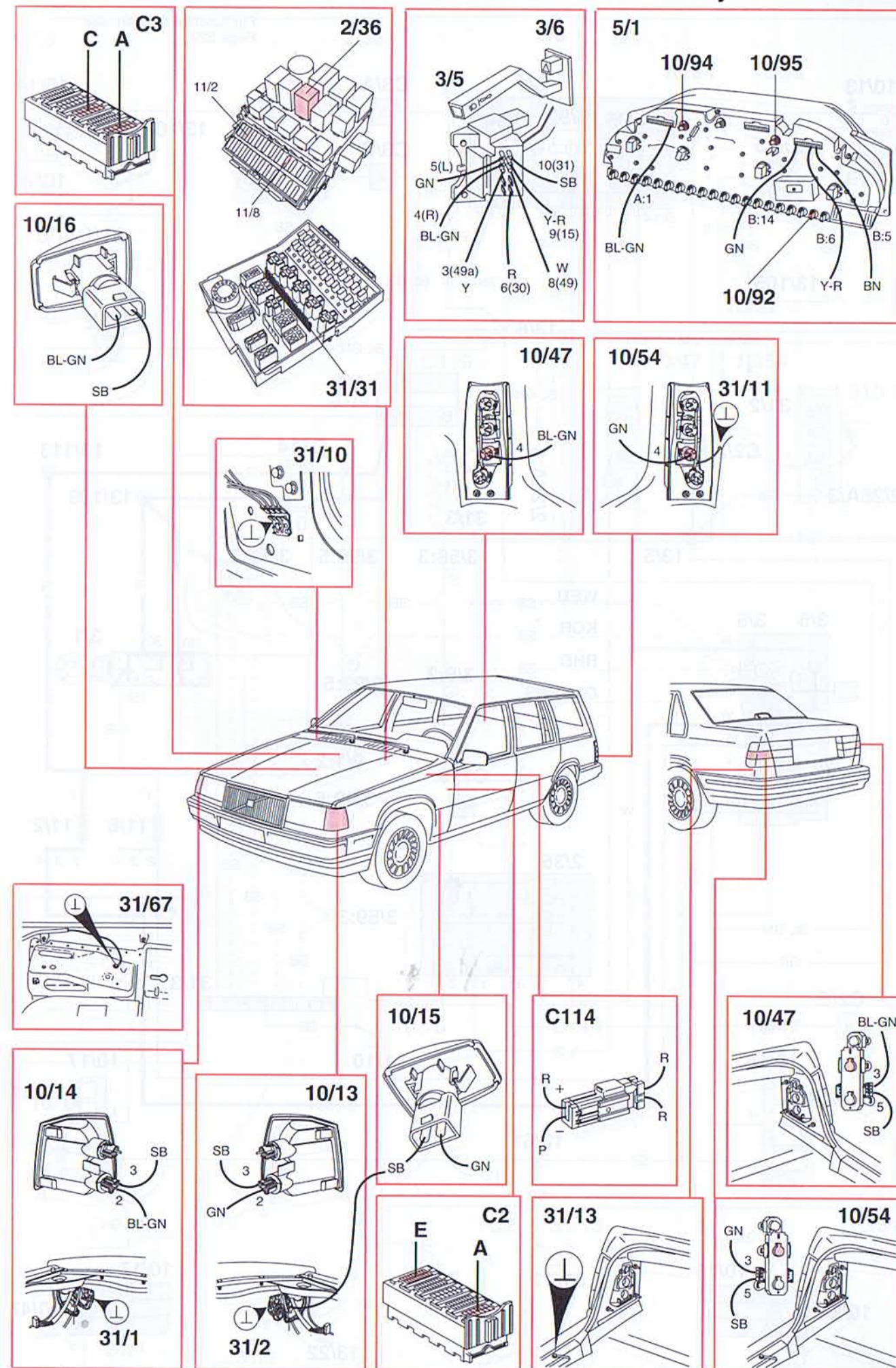


Turn signal lamp/hazard warning signal flashers early version 1997

For function diagram see
Page 227

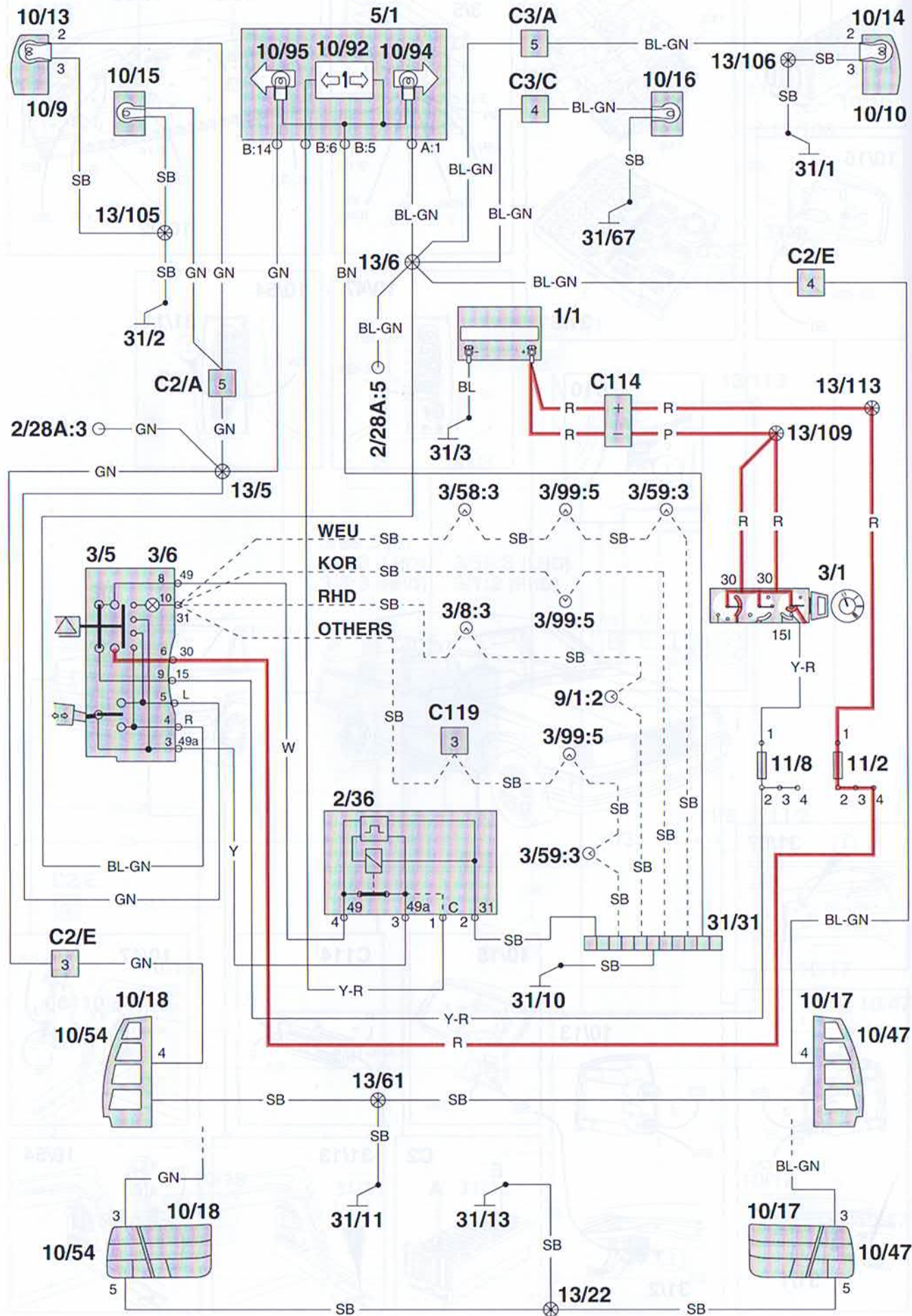


Turn signal lamp/hazard warning signal flashers
early version 1997

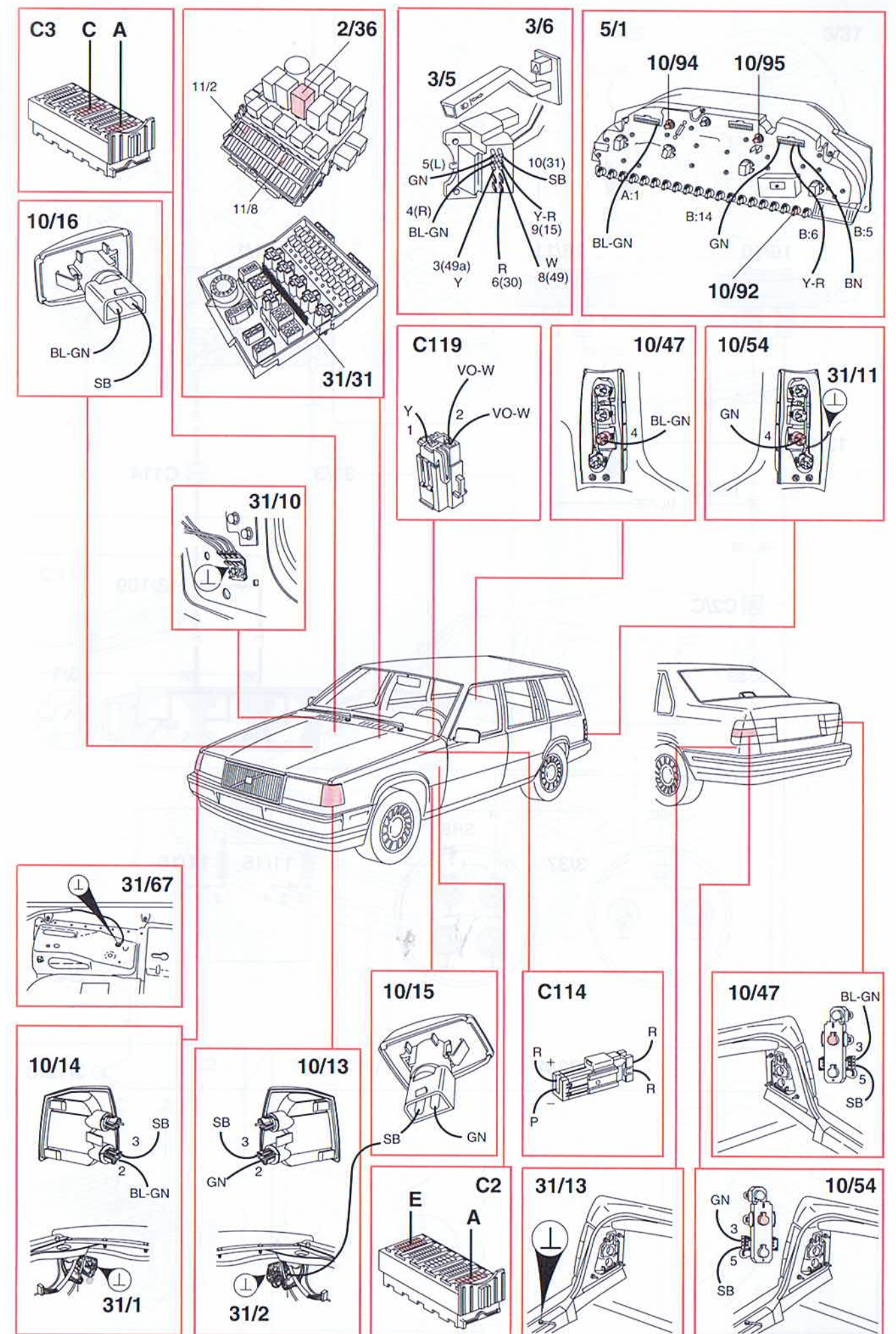


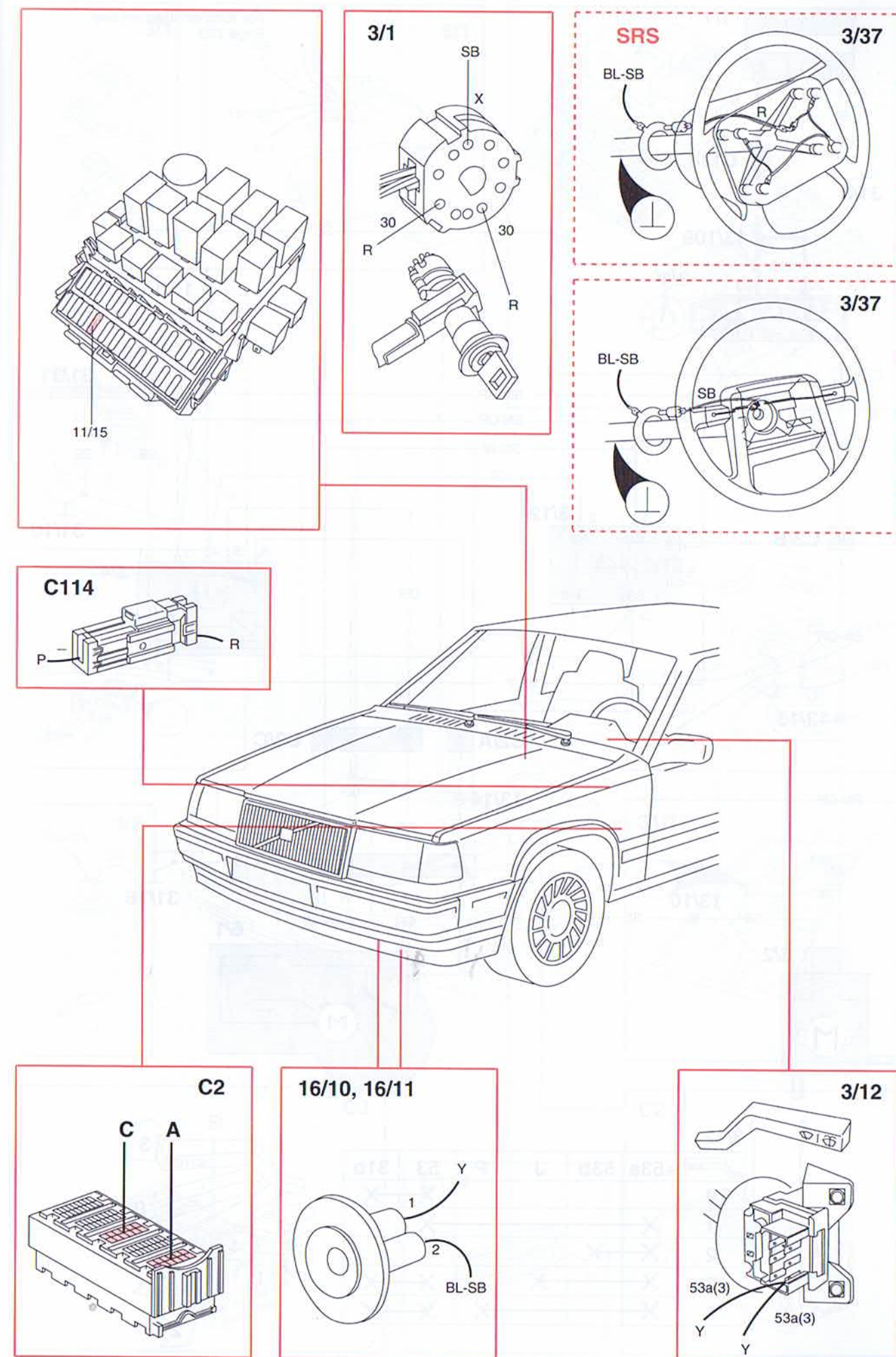
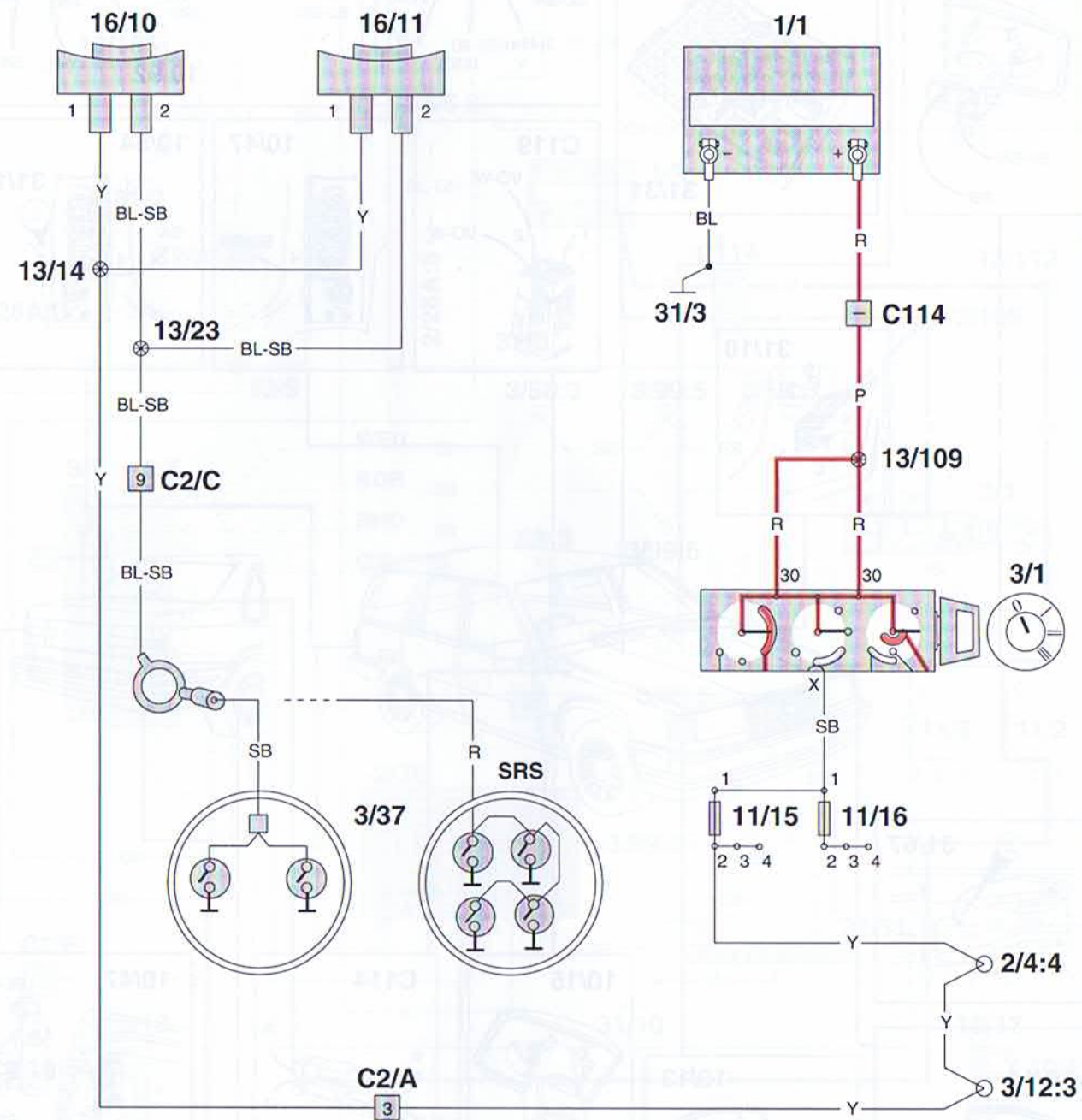
Turn signal lamp/hazard warning signal flashers late version 1997 and 1998

For function diagram see
Page 227

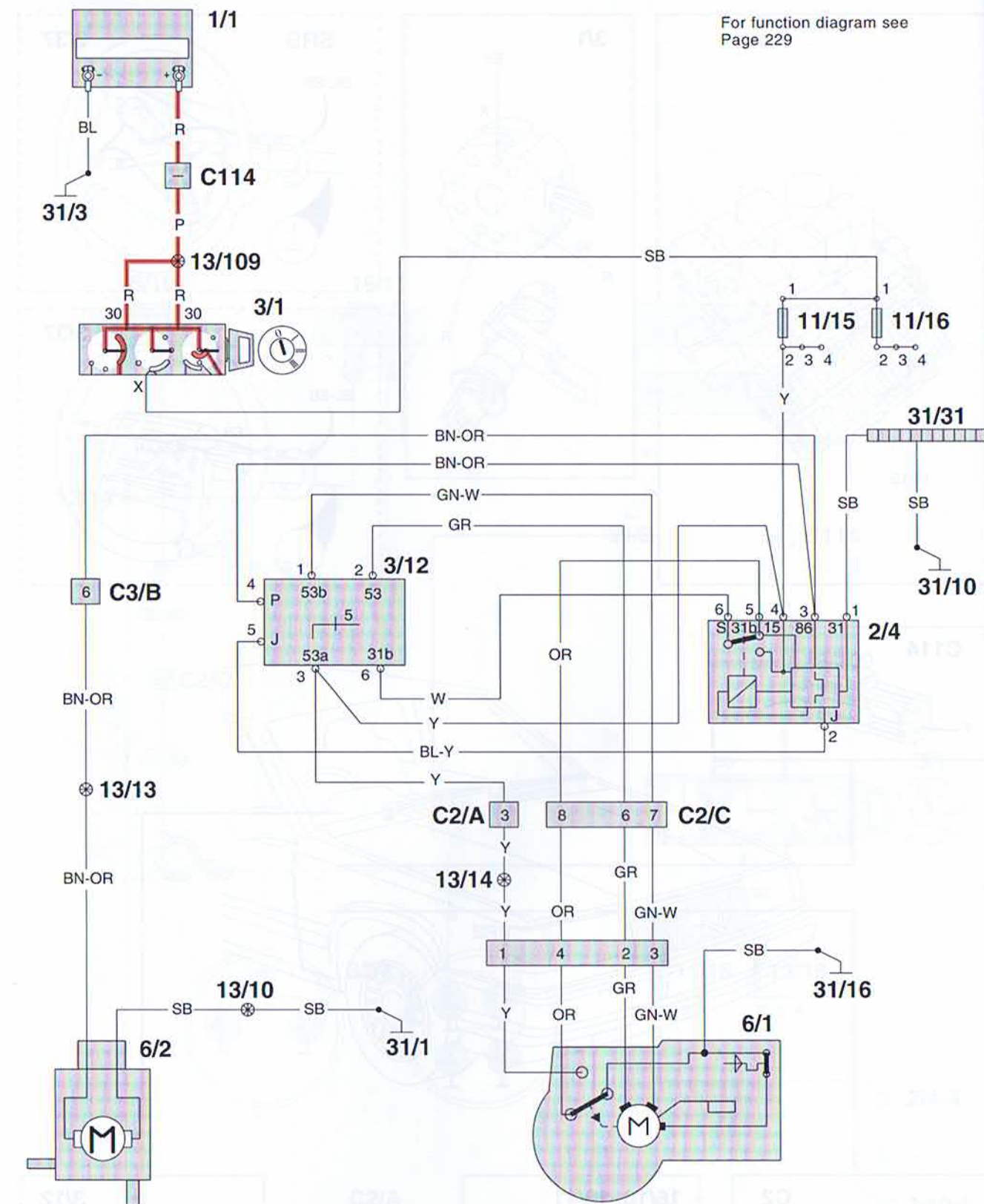


Turn signal lamp/hazard warning signal flashers late version 1997 and 1998



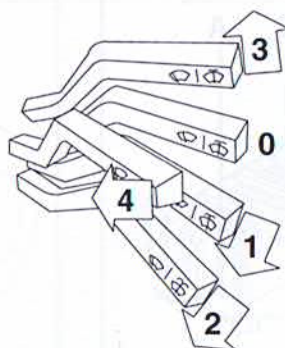


Washer windshield

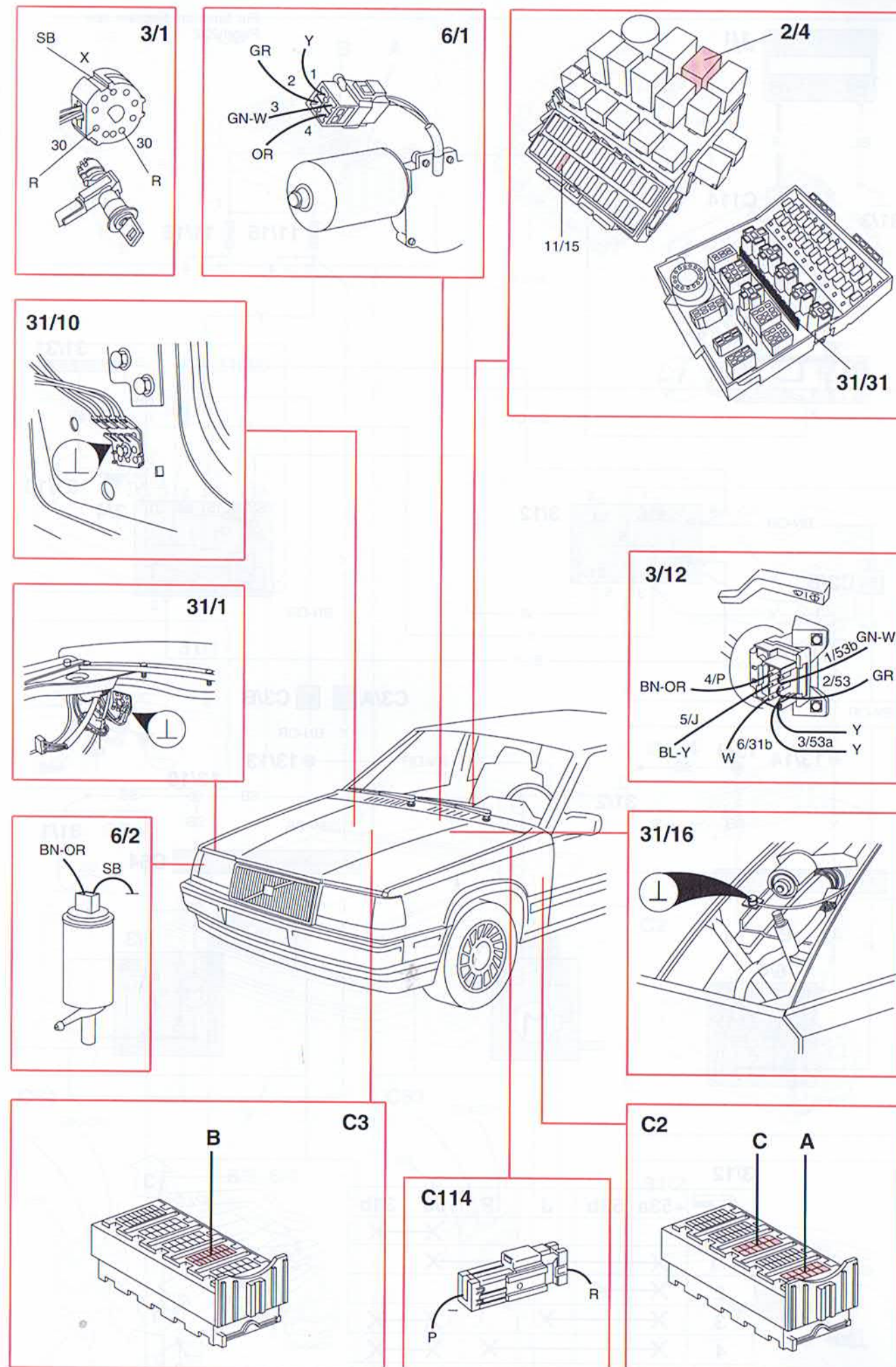


3/12

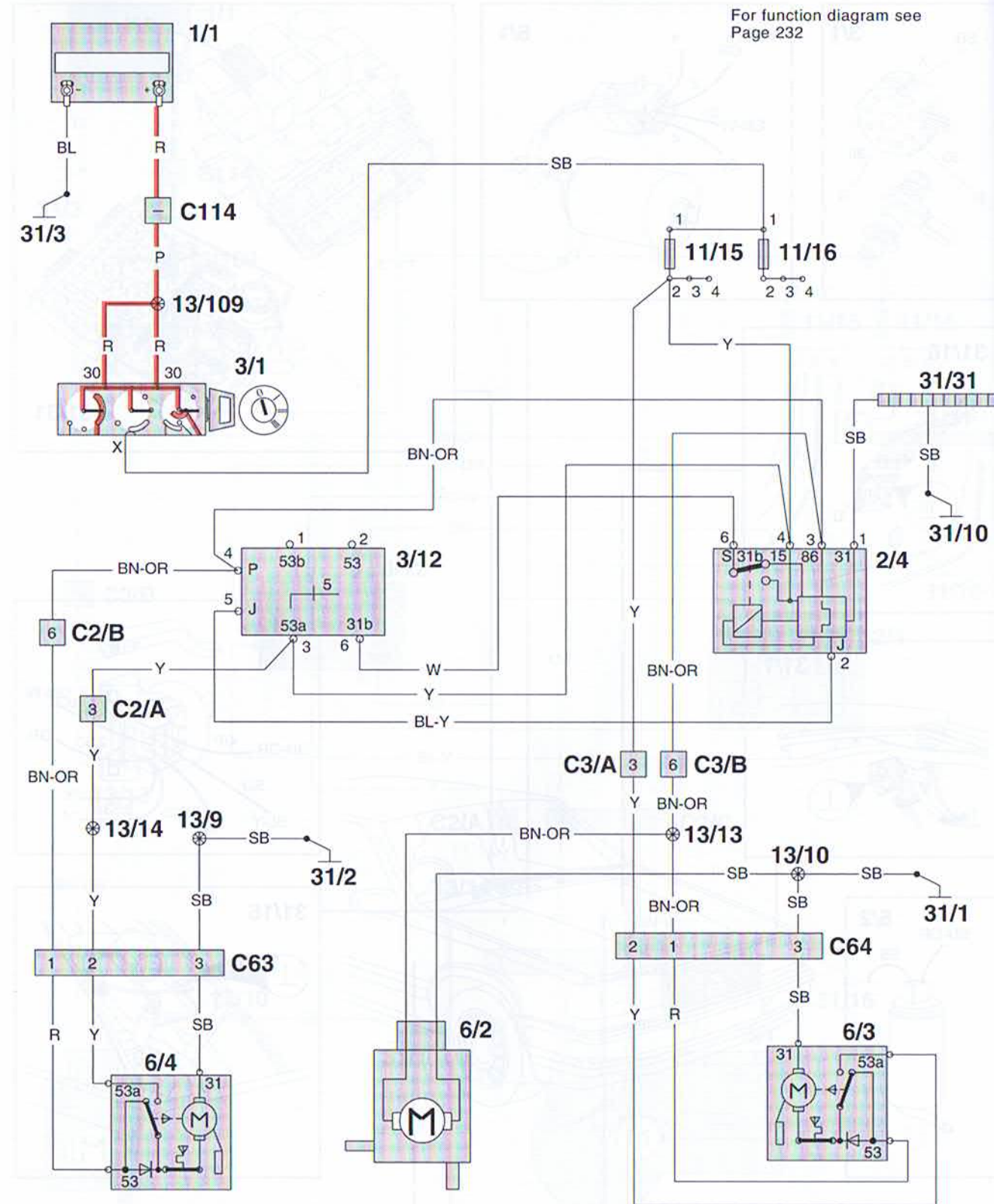
	+53a	53b	J	P	53	31b
0					X	X
1	X				X	
2	X	X				
3	X		X		X	X
4	X			X	X	X



Washer windshield

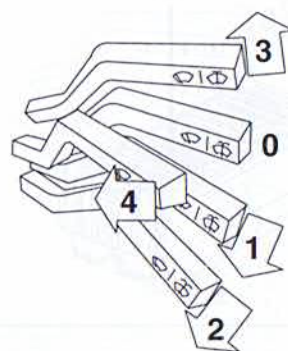


Washer headlamps

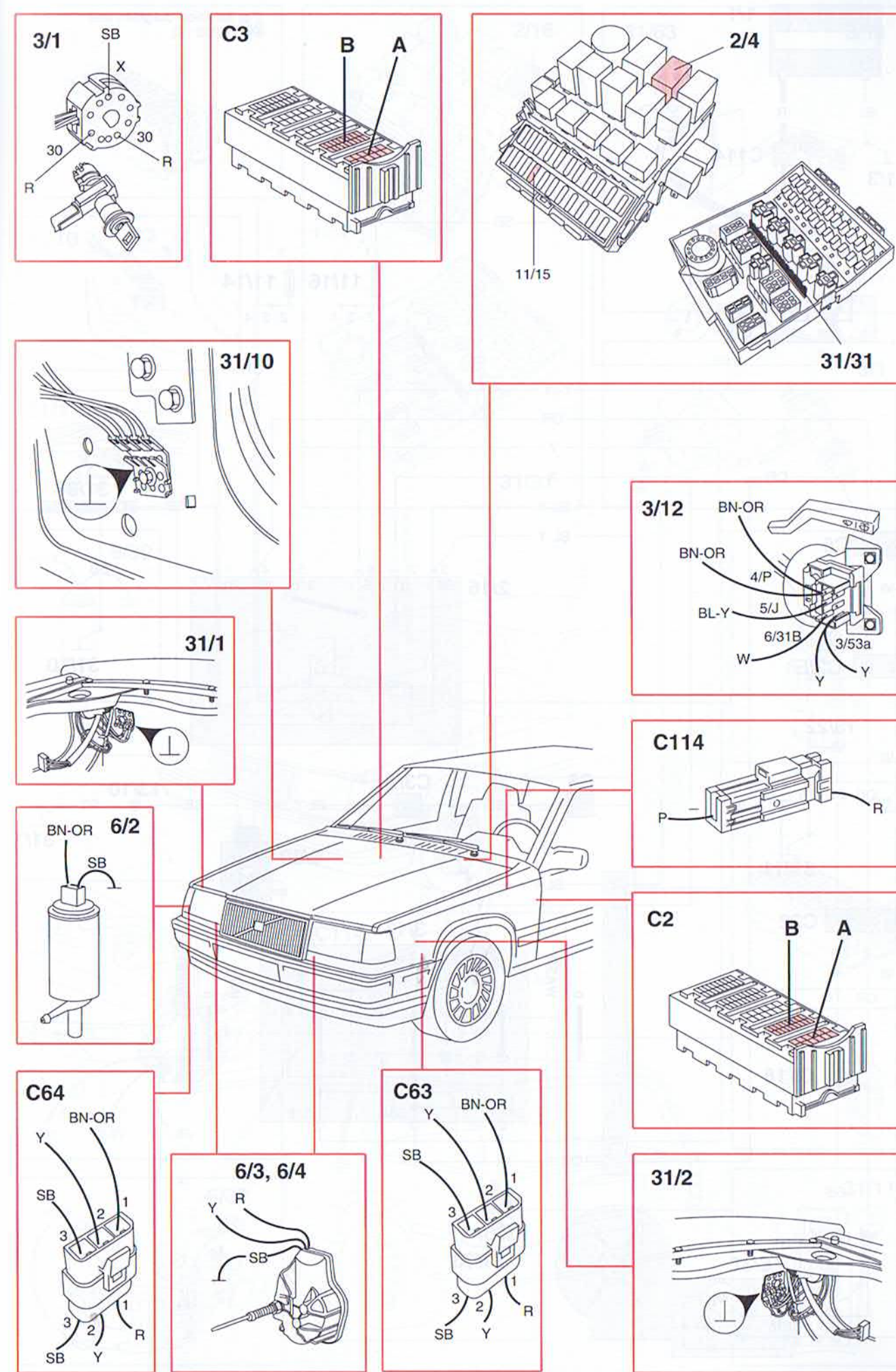


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	+53a	53b	J	P	53	31b
0					X	X
1	X				X	
2	X	X				
3	X		X		X	X
4	X			X	X	X



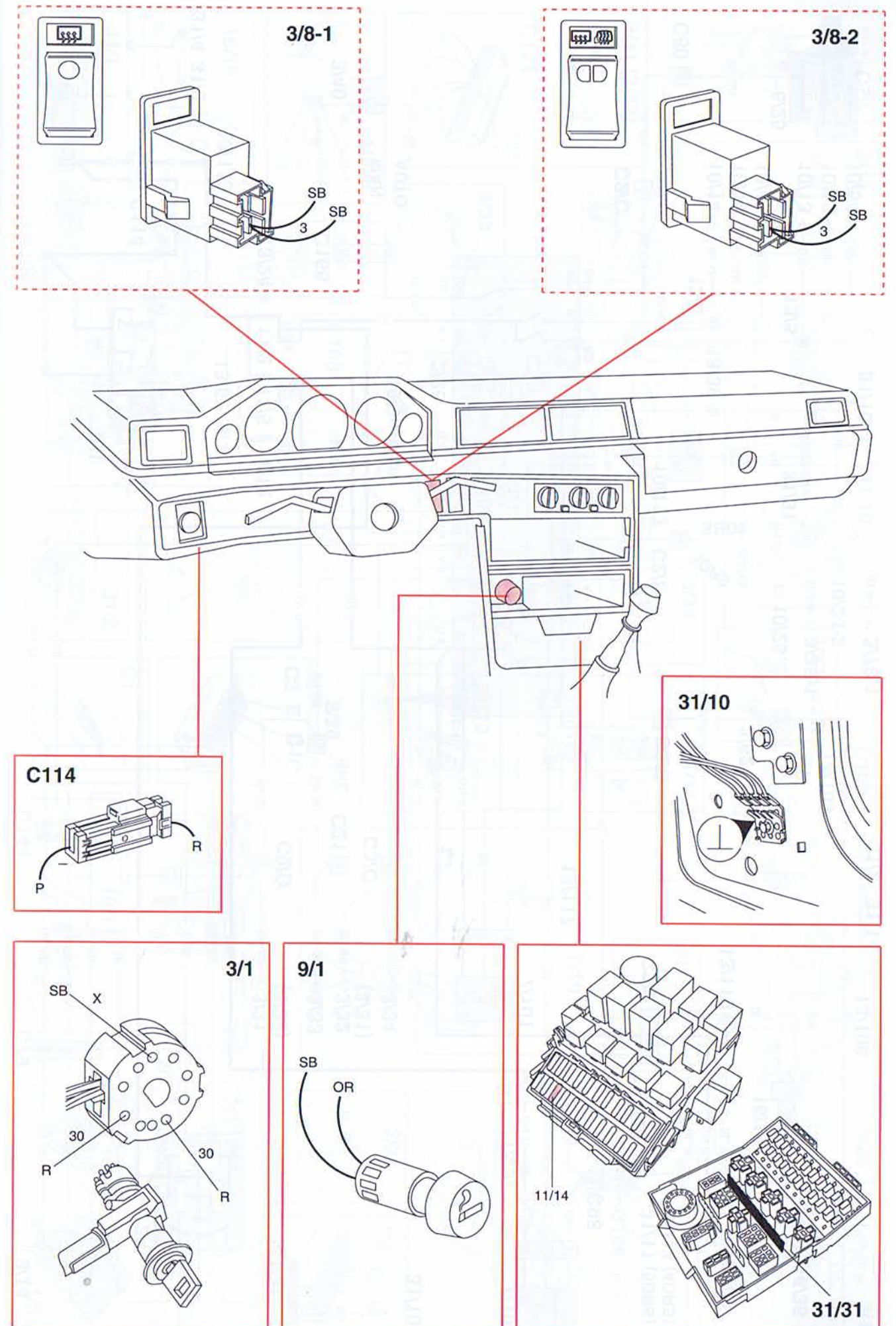
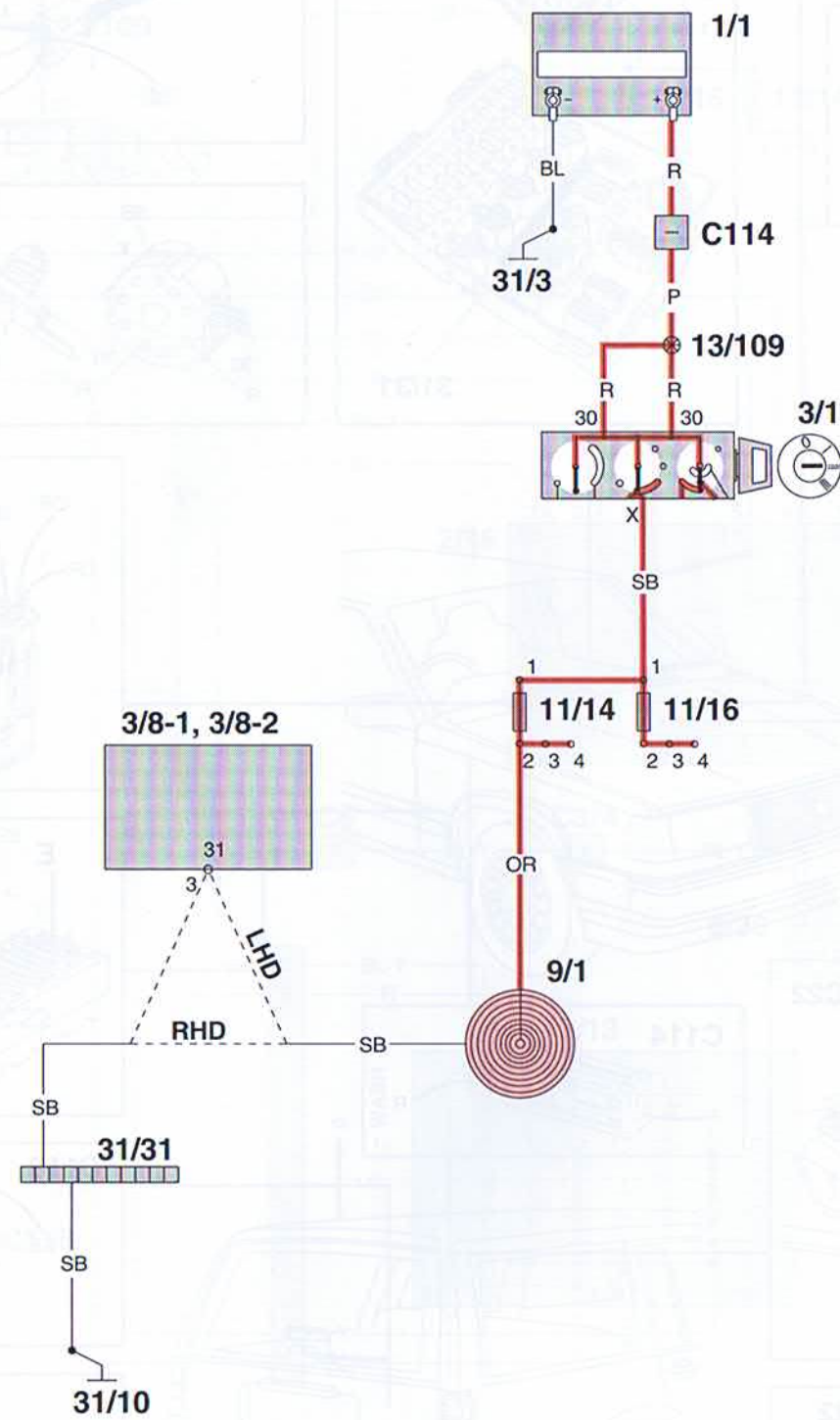
Washer headlamps

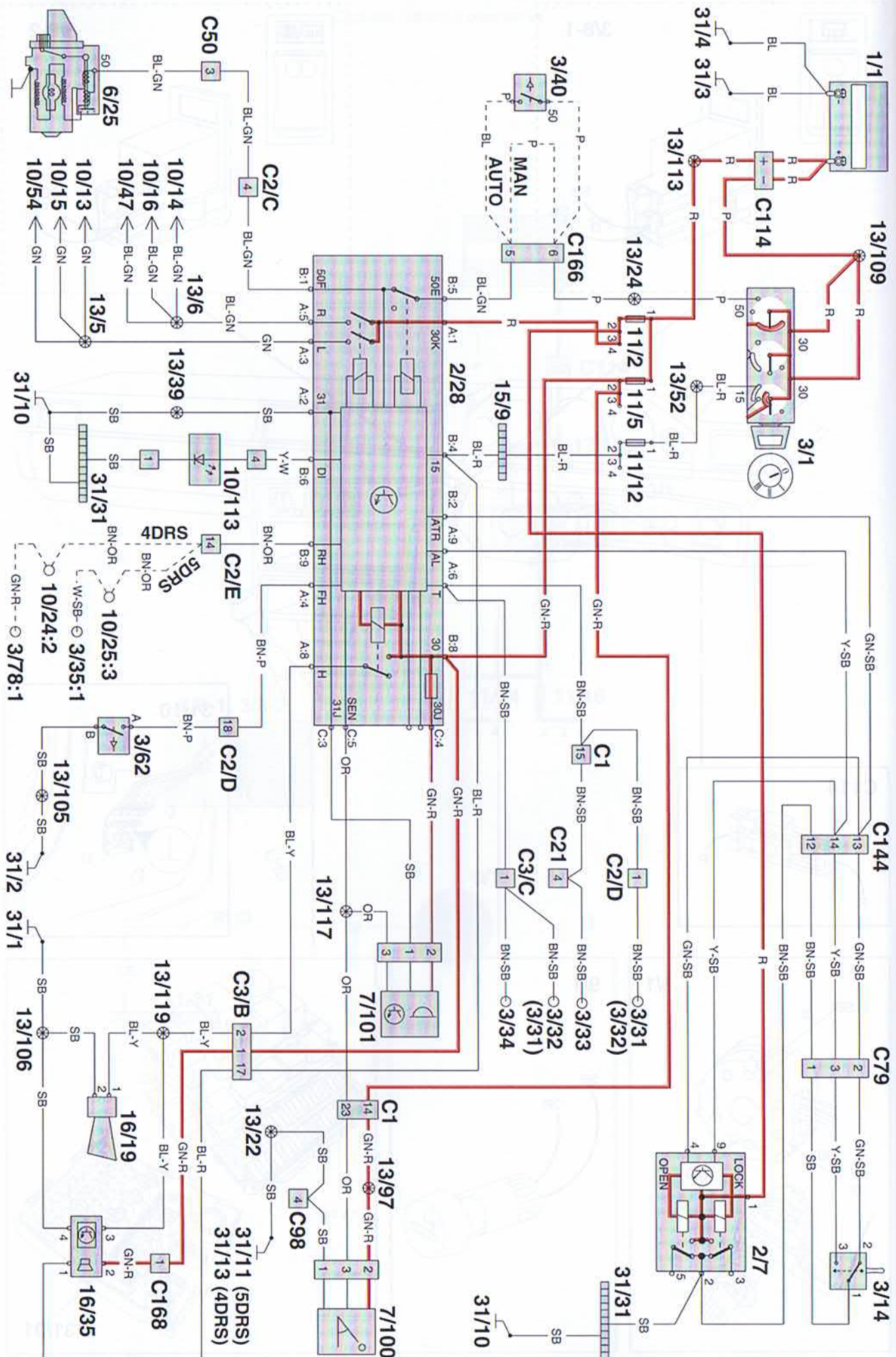
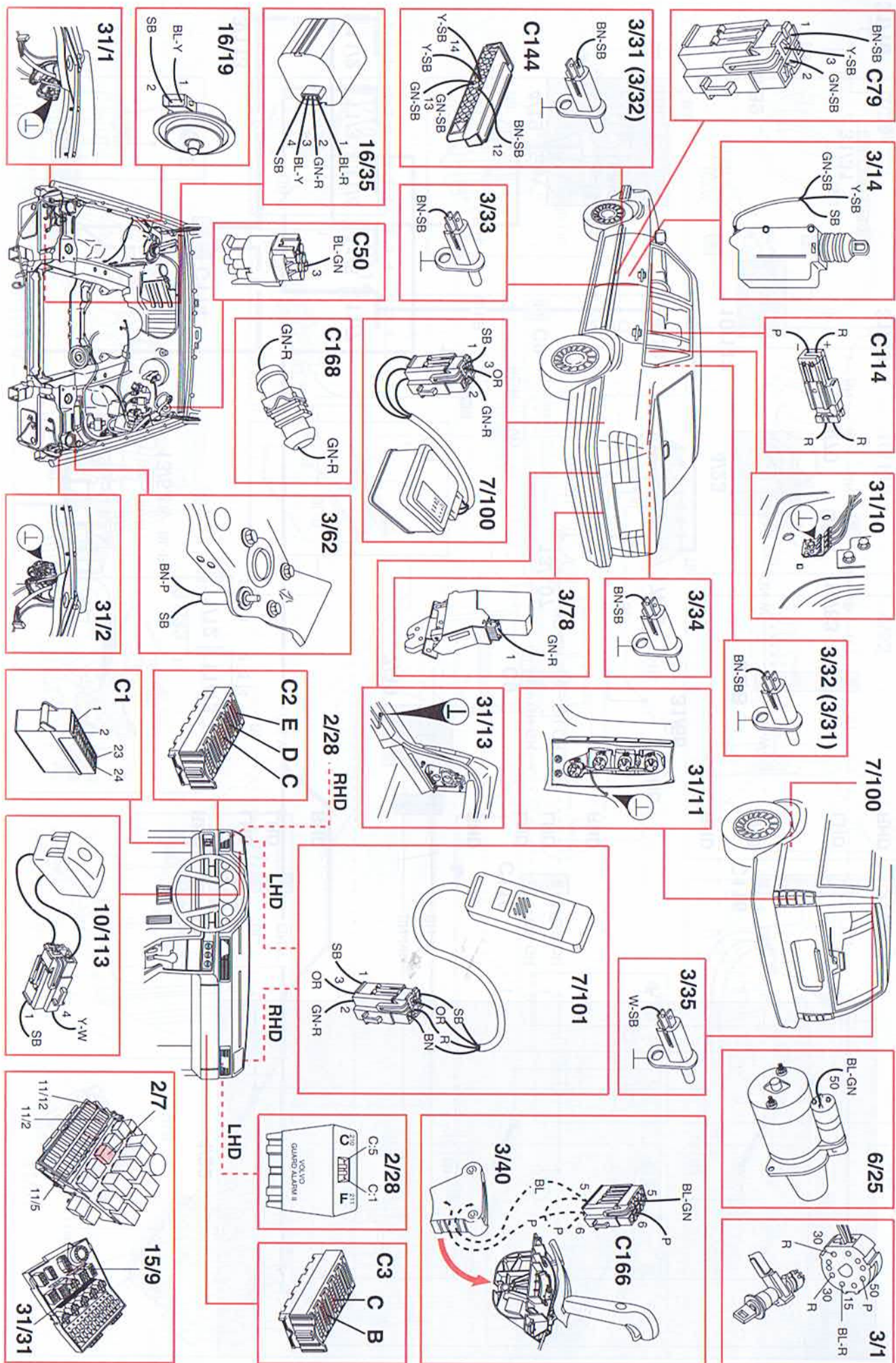


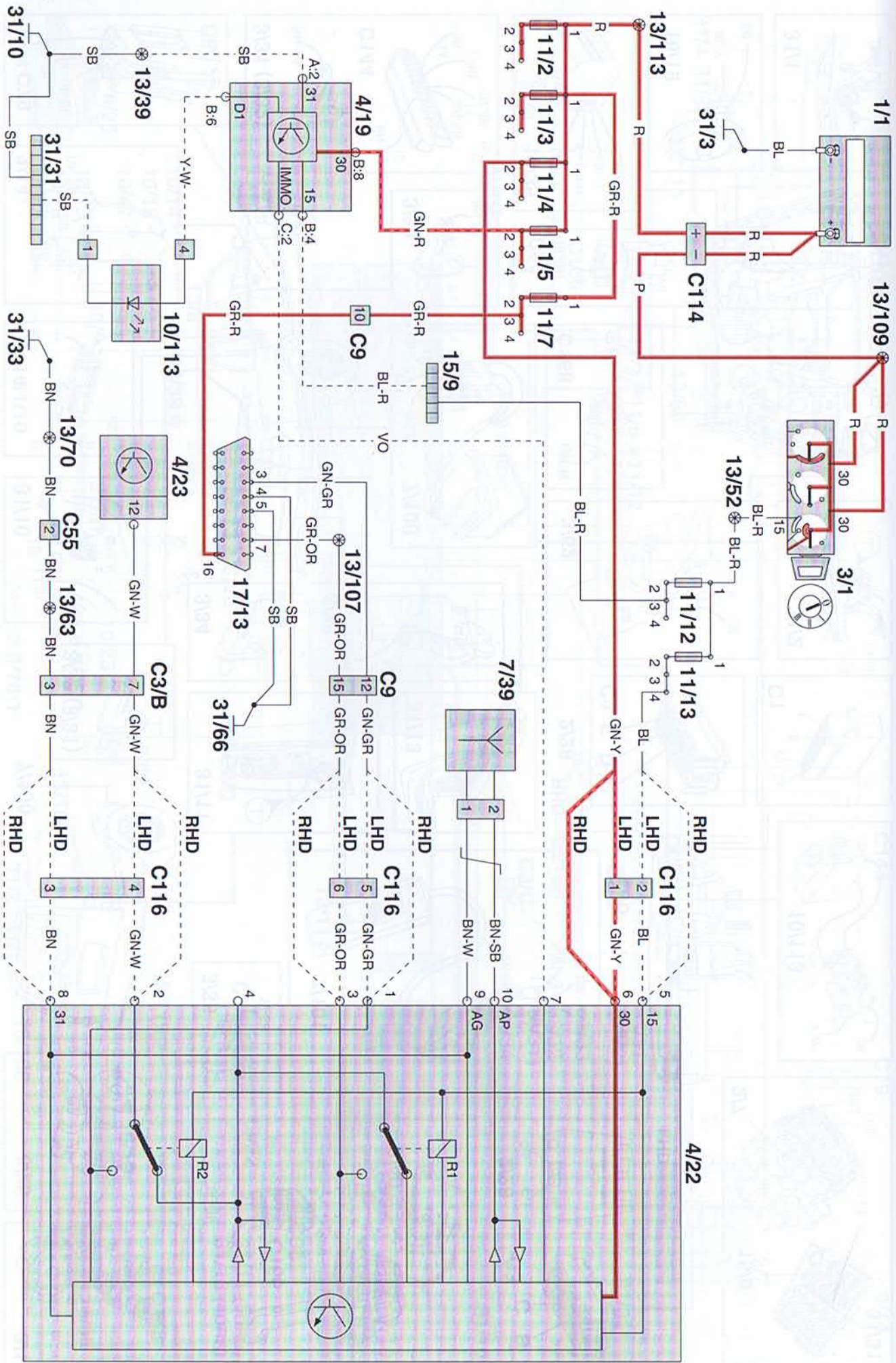
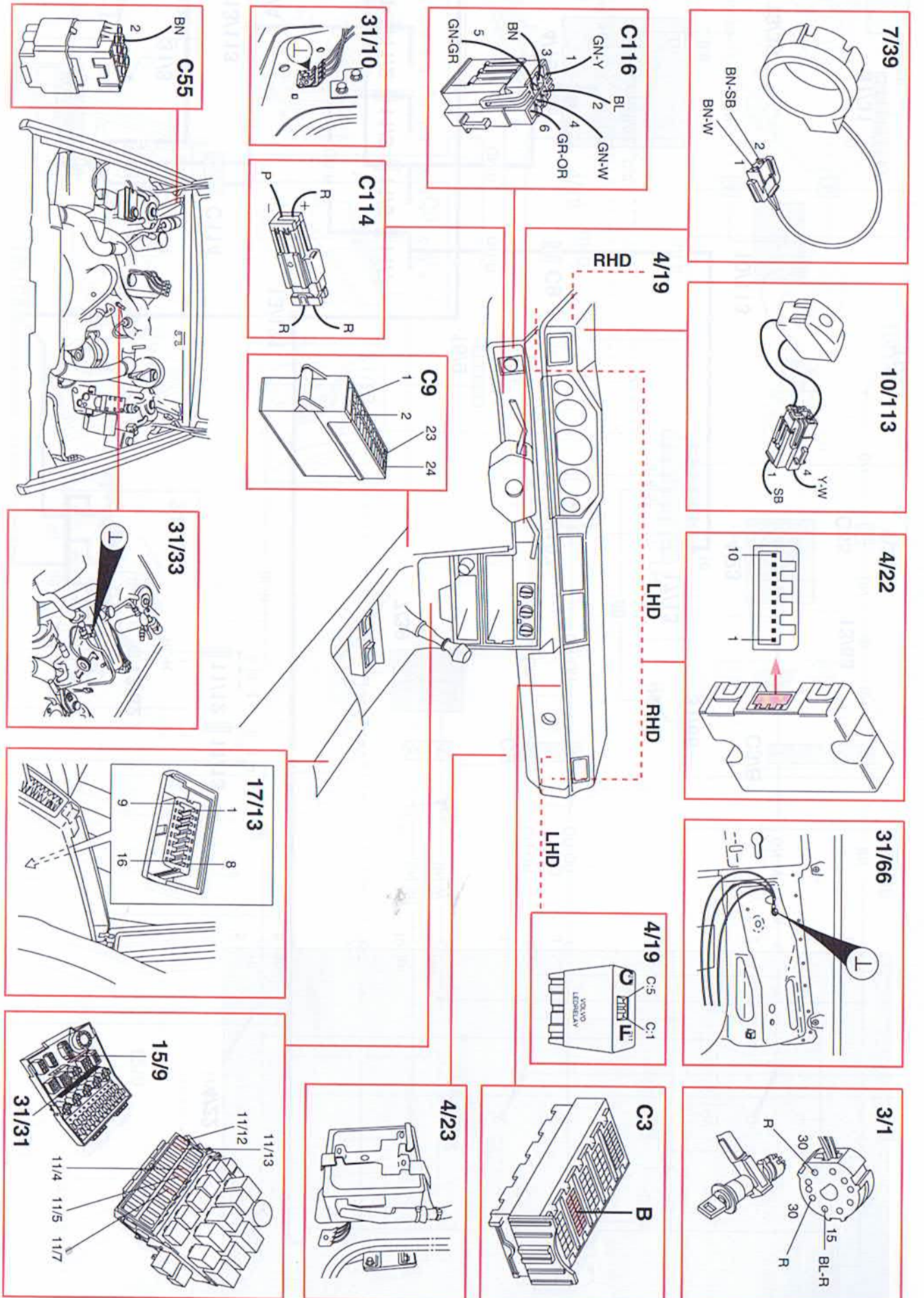
The diagram illustrates the electrical wiring for a vehicle, likely a truck or heavy-duty car, showing the connection between various components and their respective terminals. The components and their connections are as follows:

- Top Left Inset:** A simplified diagram showing a battery (13/109) connected to a relay (3/1) and a switch (X).
- Top Right:** Two relays, 11/16 and 11/14, connected to a common terminal (1) and a switch (4).
- Left Side:** A series of components connected to a common terminal (Y-W):
 - Relay C6 (terminals 2, 1)
 - Relay C2/E (terminals 12, 11)
 - Switch 13/22
 - Relay C22 (terminals 4, 3, 6)
 - Relay C118 (terminal 2)
- Center:** A large relay assembly (2/16) with terminals 86, J, S, 31b, 15, and 31. It is connected to a switch (31/10) and a motor (6/30).
- Bottom Center:** A relay assembly (3/13) with terminals P, J, 31, 53a, and 31b. It is connected to a switch (31/63) and a motor (6/32).
- Right Side:** A switch (31/31) connected to a common terminal (SB) and a switch (31/10).
- Bottom Right:** A switch (31/10) connected to a common terminal (SB) and a switch (31/1).
- Wiring Labels:** Various wires are labeled throughout the diagram, including Y-W, OR, R, BL-Y, SB, and INT.

Cigarette lighter is pressed in.



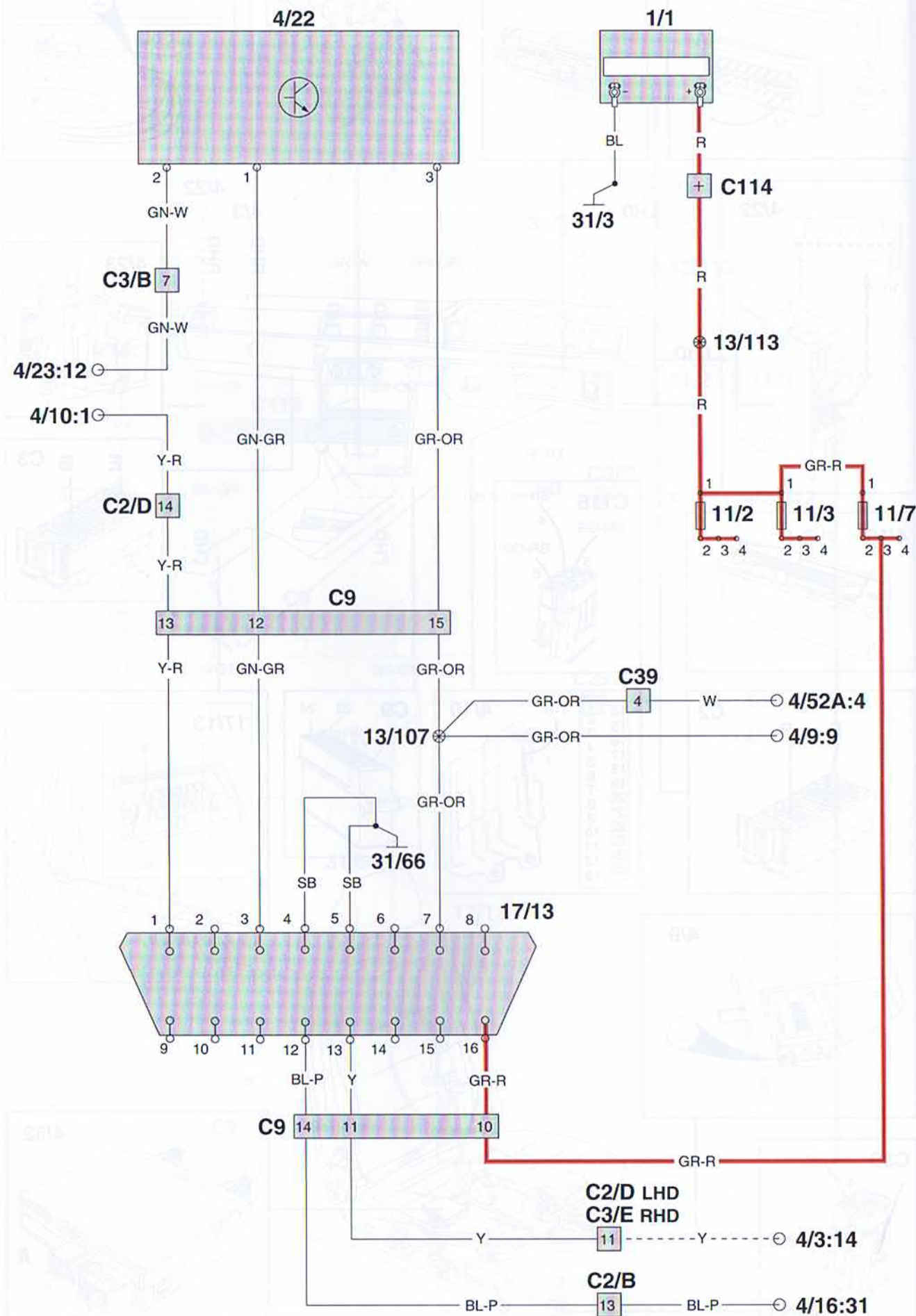




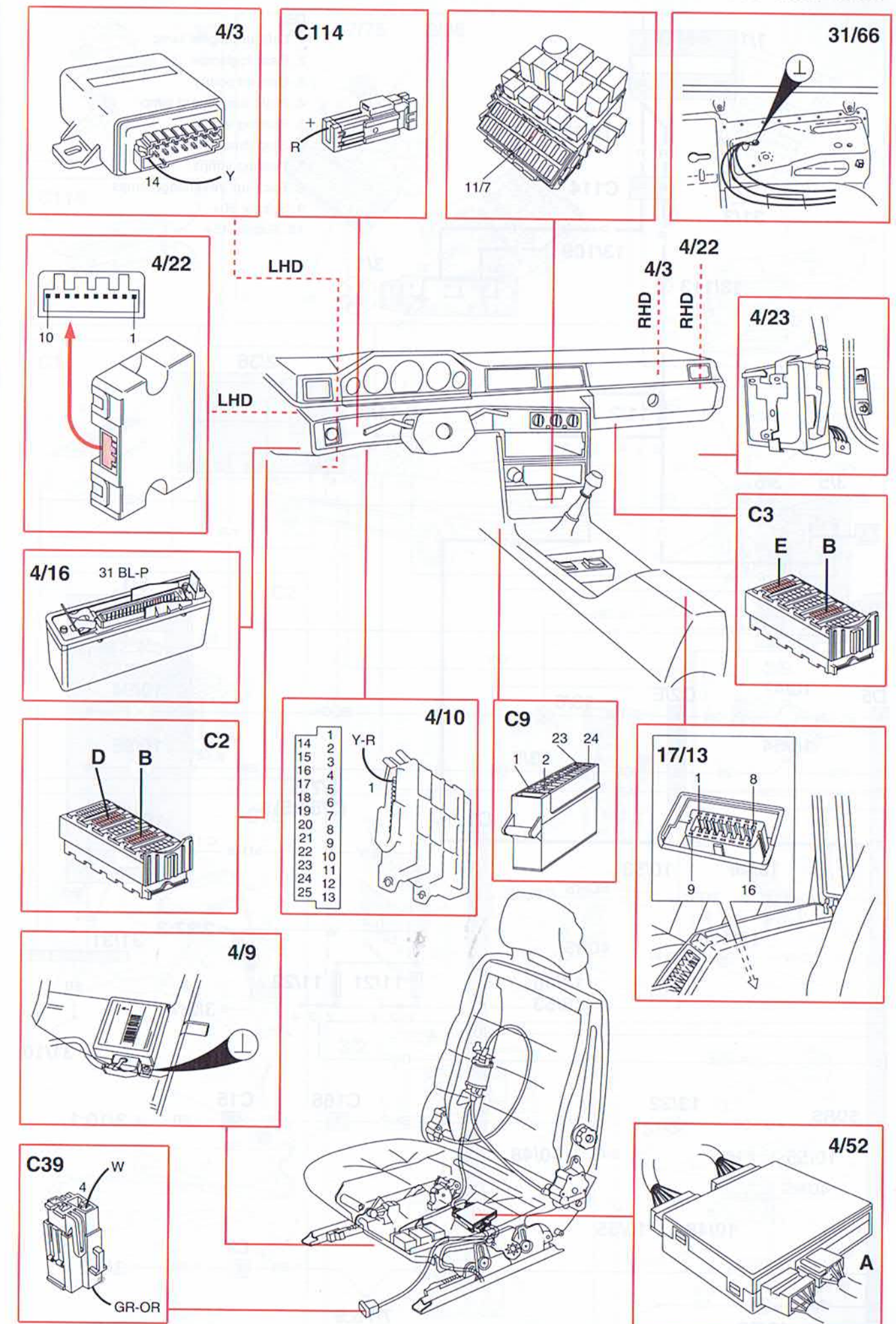




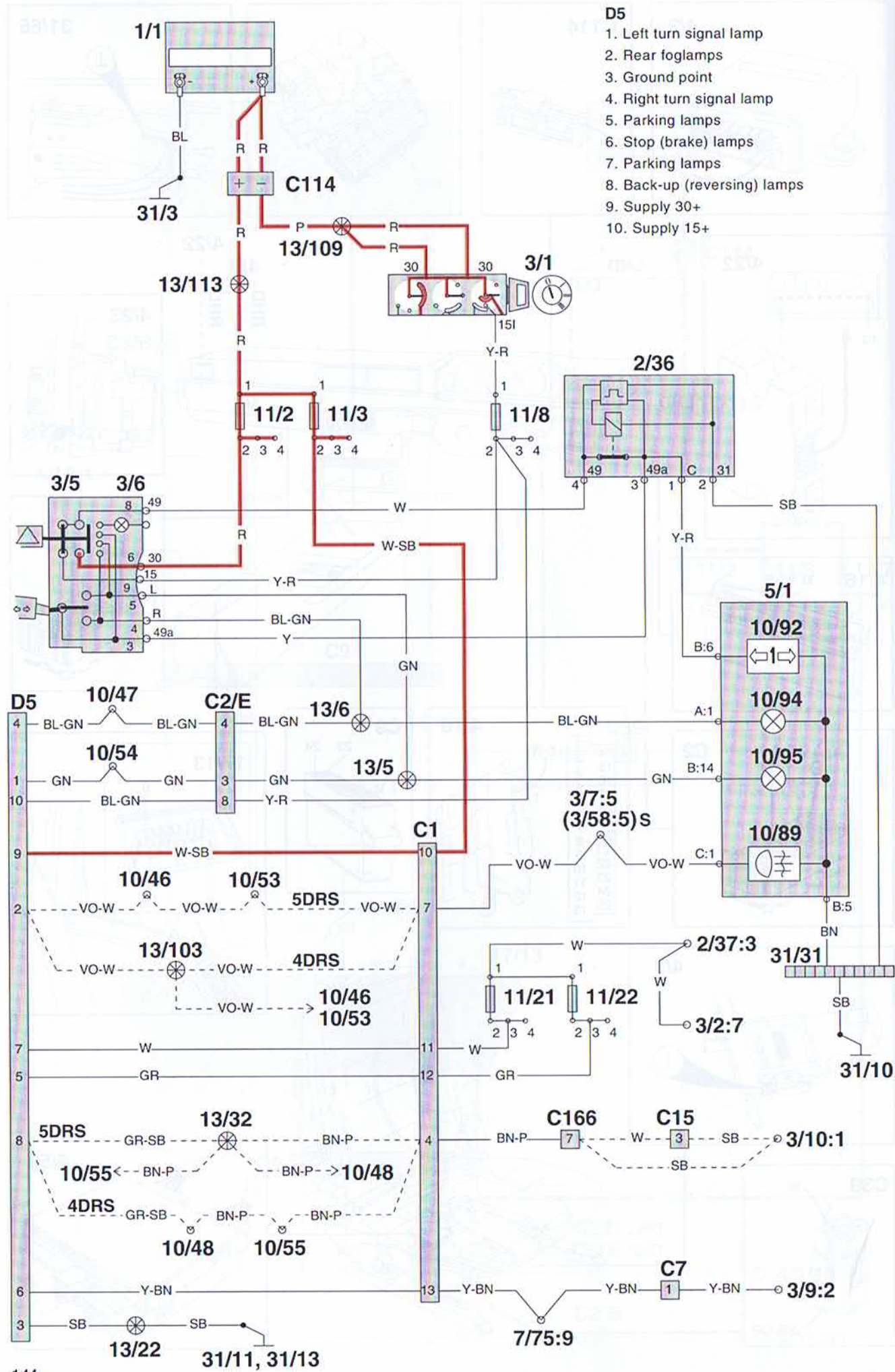
On-board diagnostic system (OBD system) late version 1997 and 1998



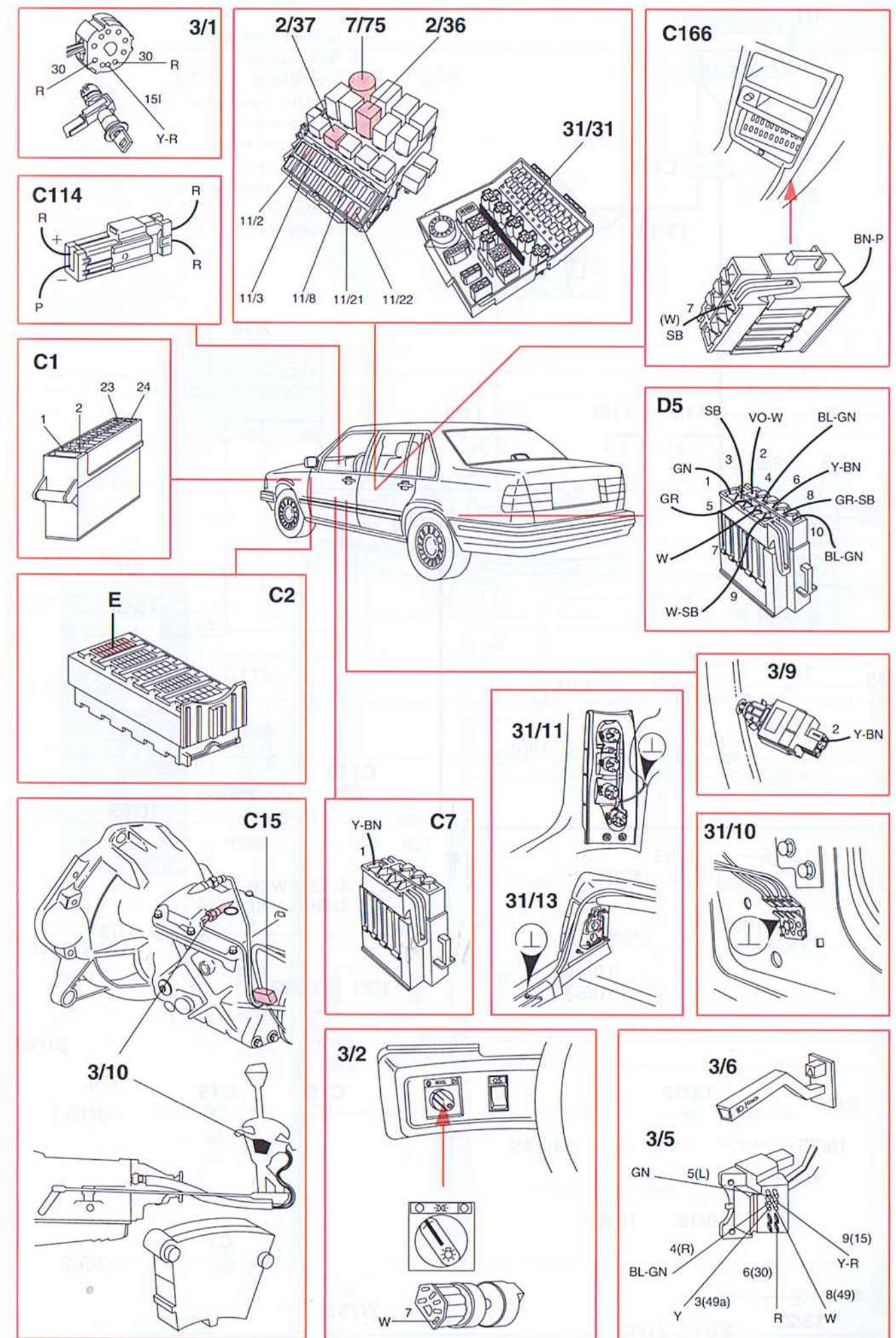
On-board diagnostic system (OBD system) late version 1997 and 1998



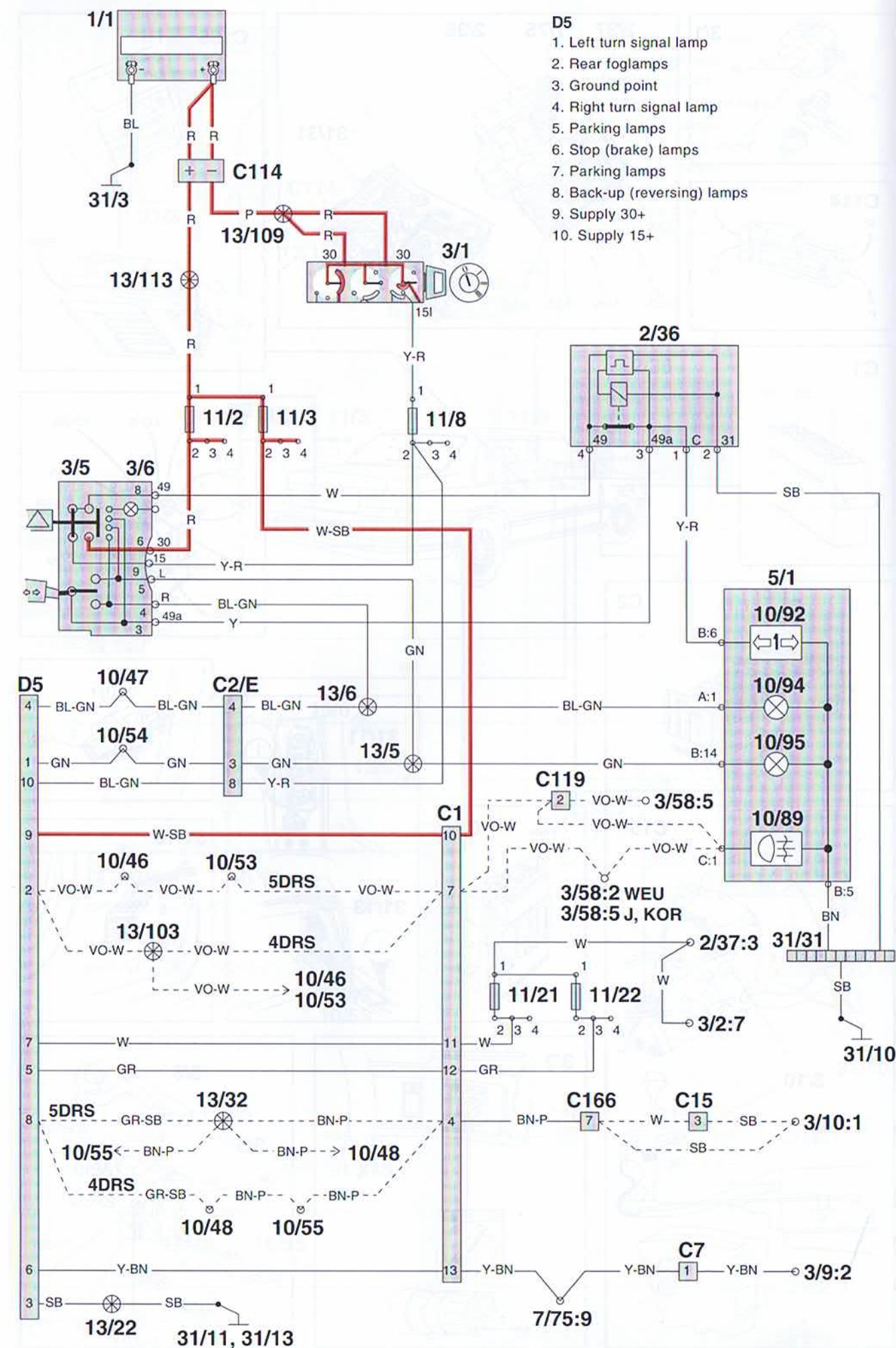
**Tow hitch cable harness
early version 1997**



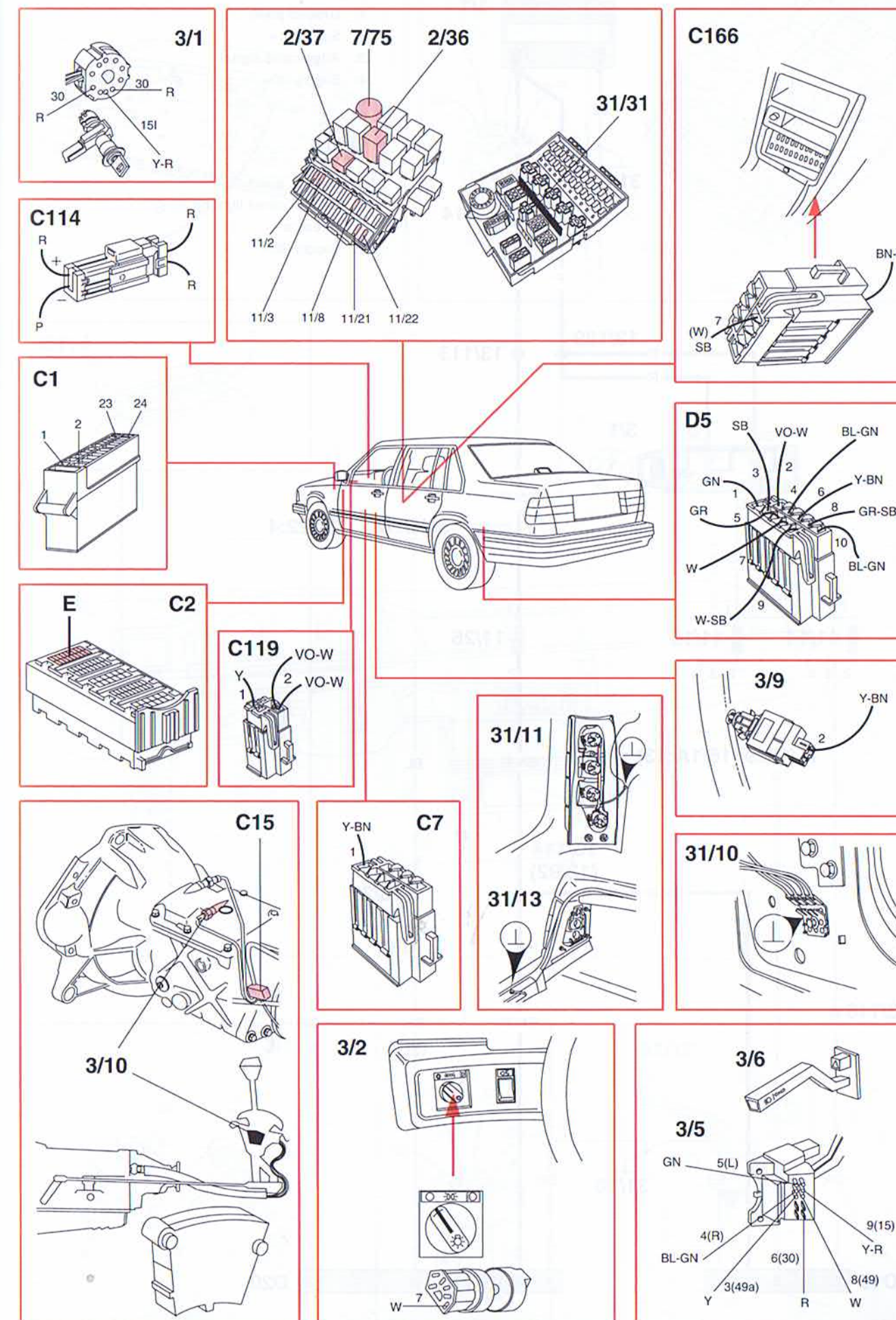
Tow hitch cable harness early version 1997

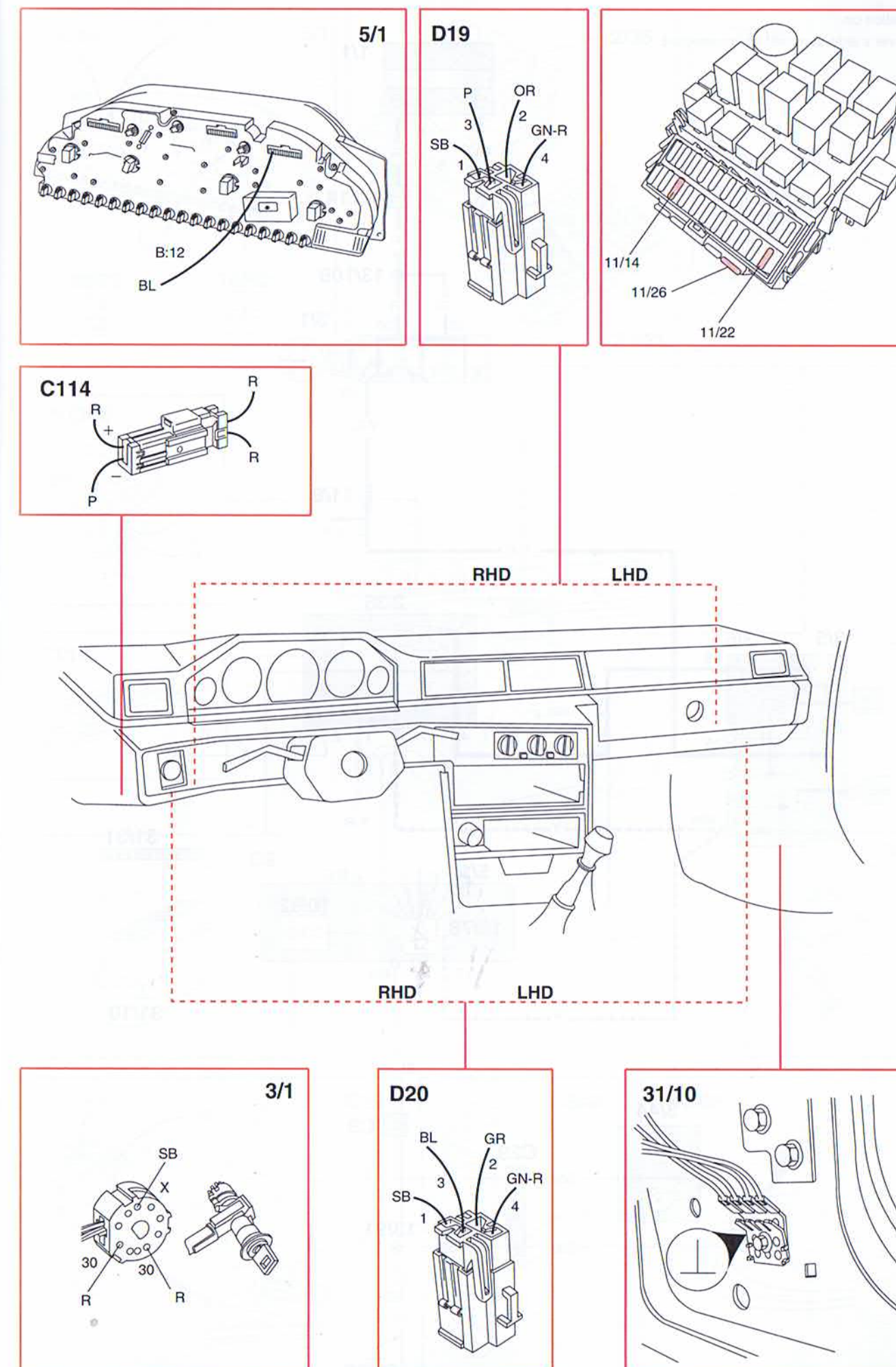
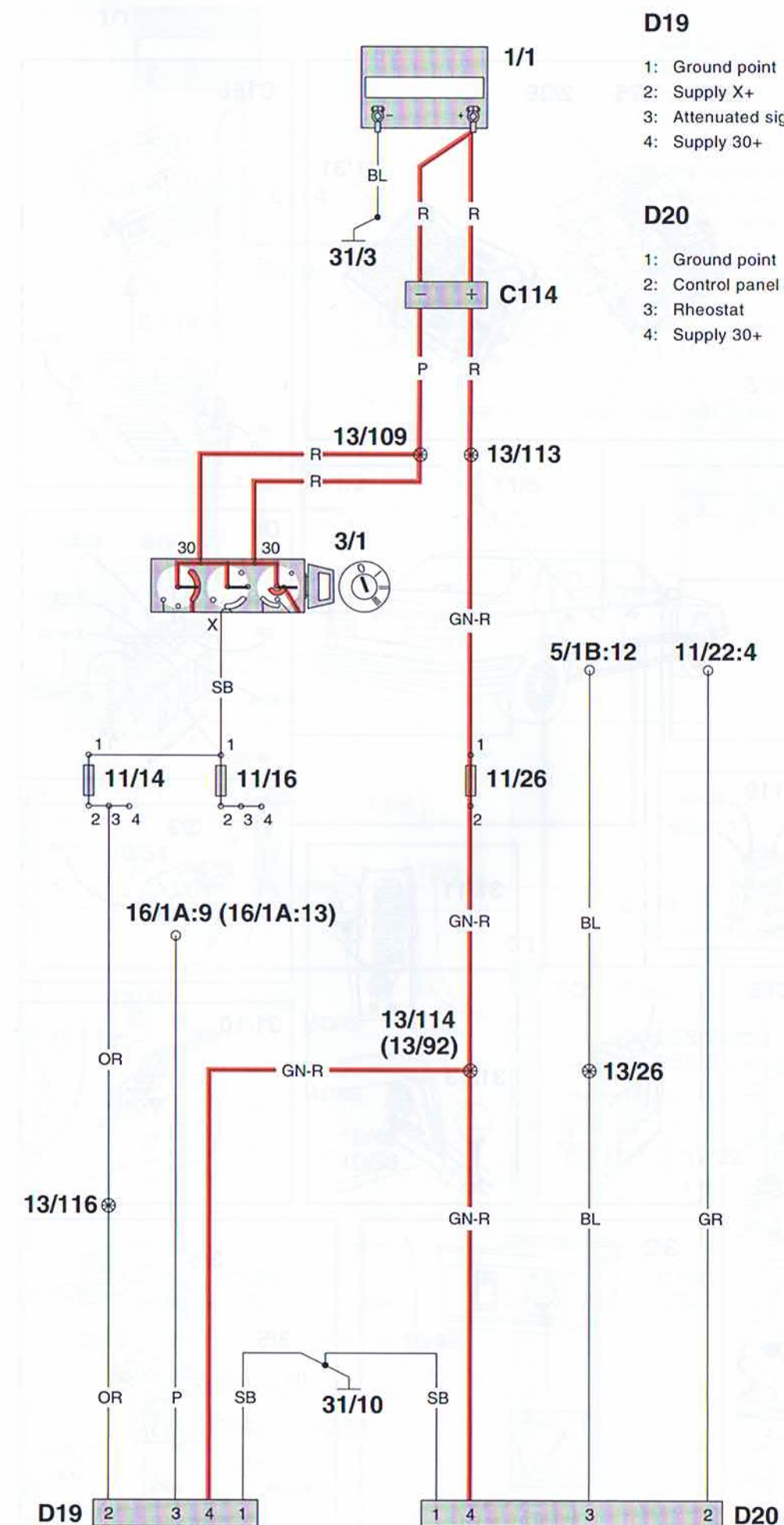


Tow hitch cable harness late version 1997 and 1998



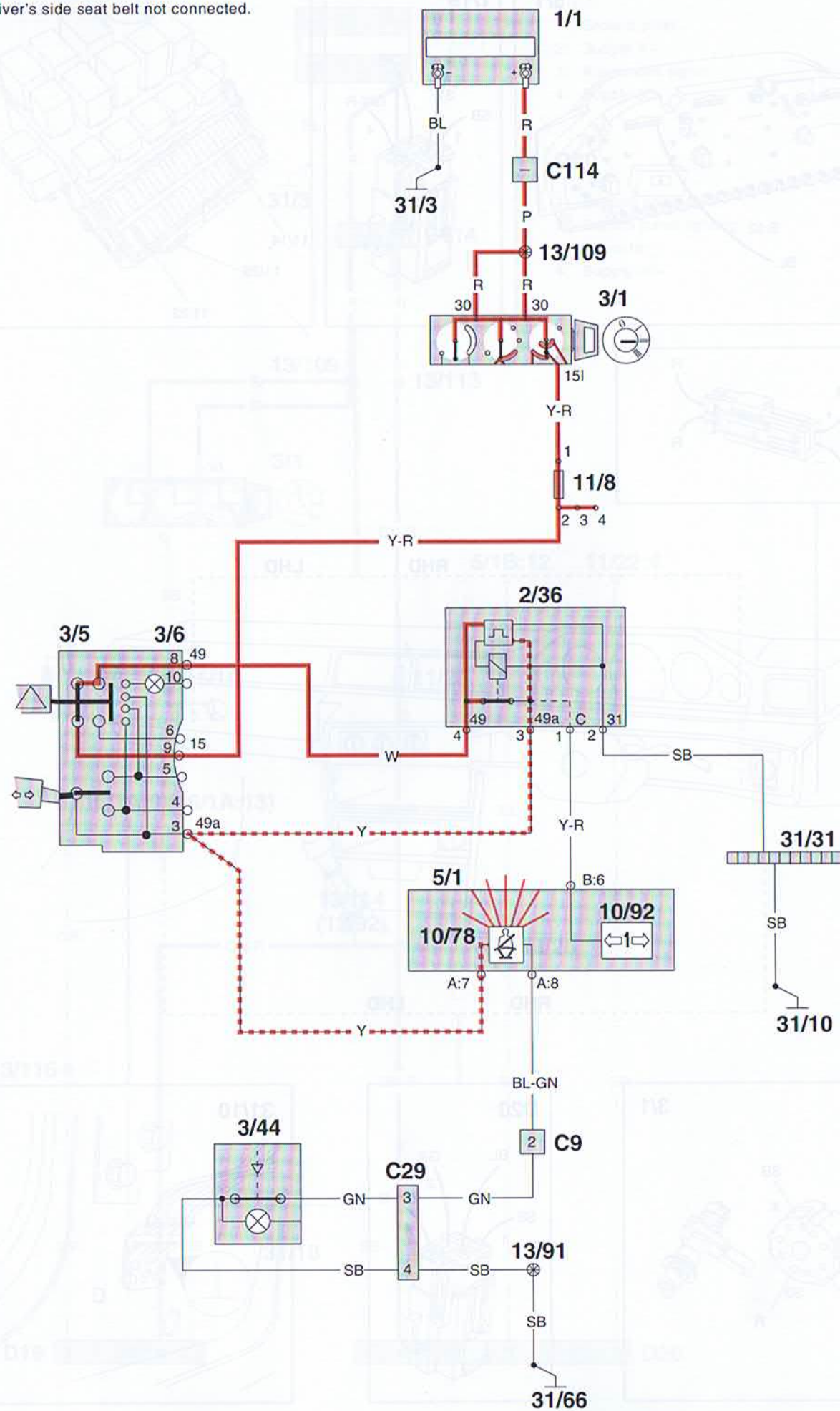
Tow hitch cable harness late version 1997 and 1998



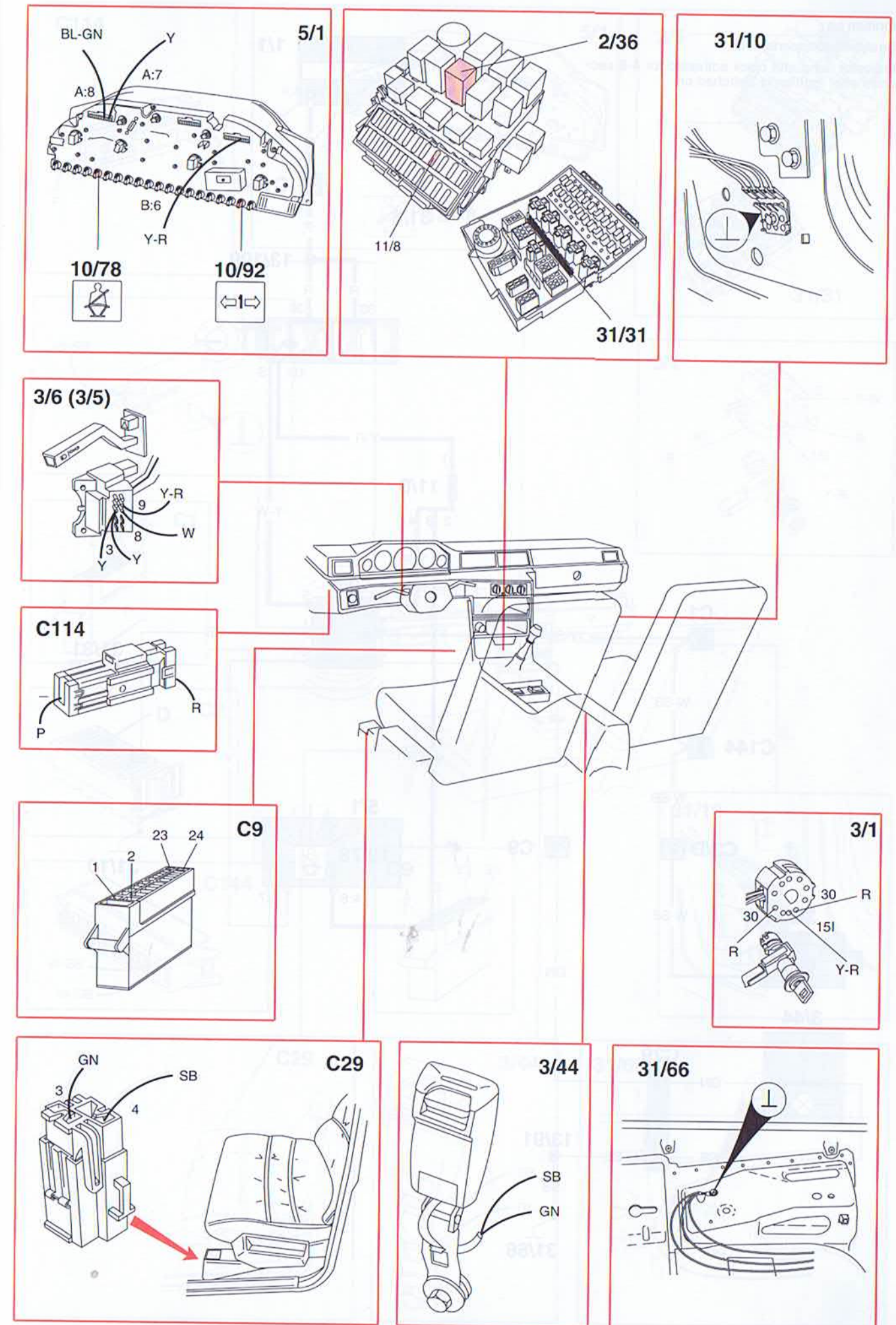


Seat belt reminder

Ignition on.
Driver's side seat belt not connected.

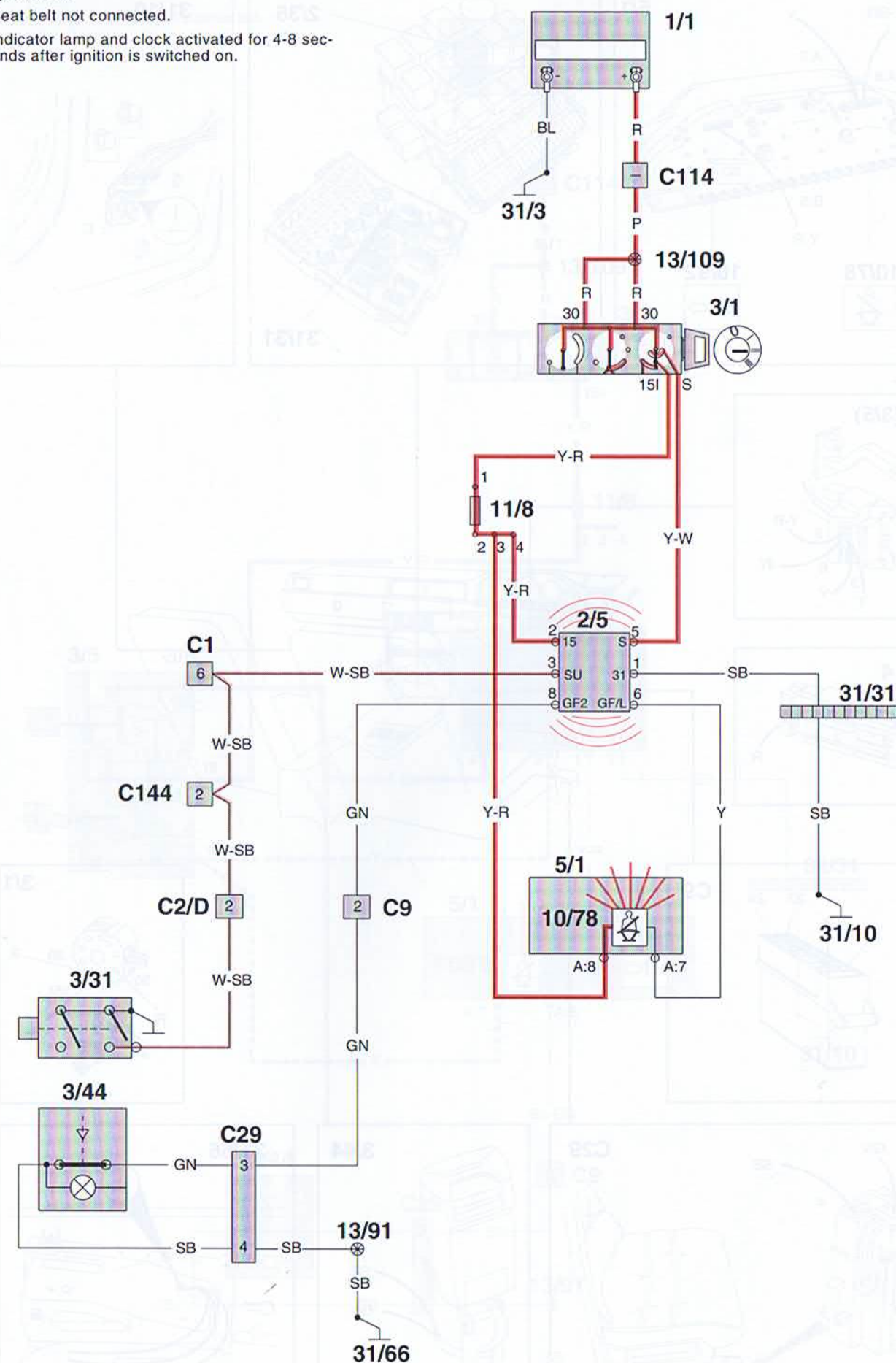


Seat belt reminder

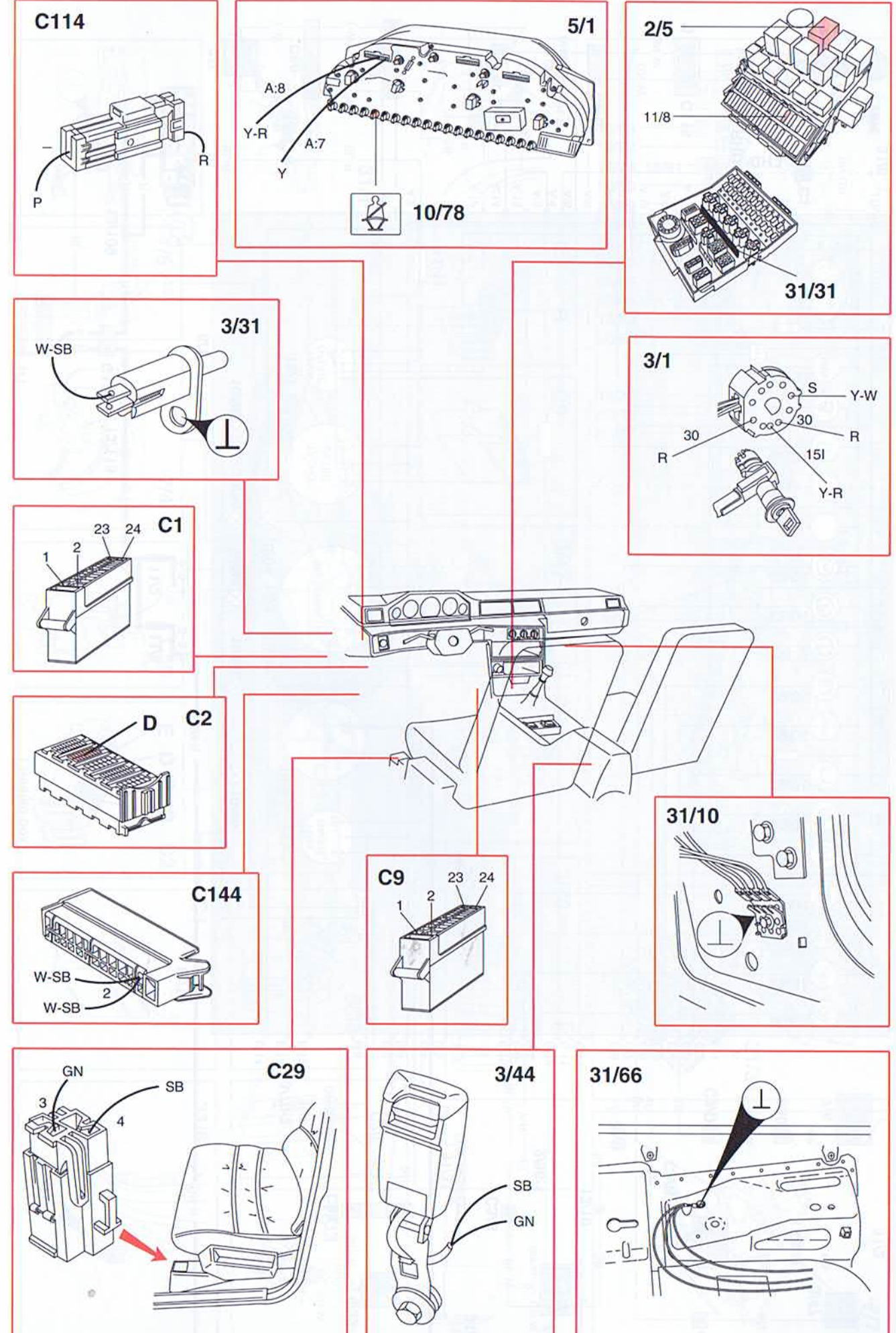


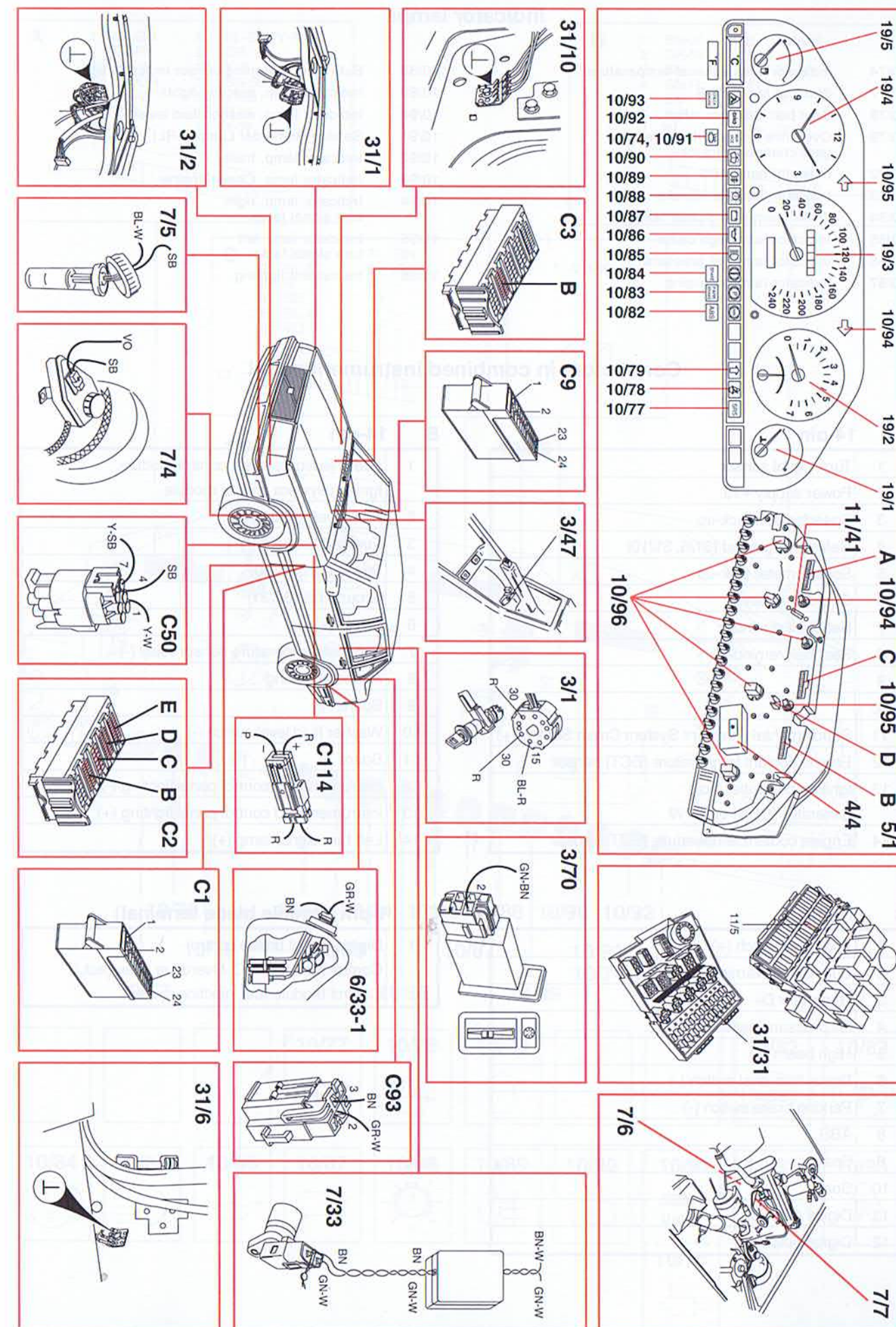
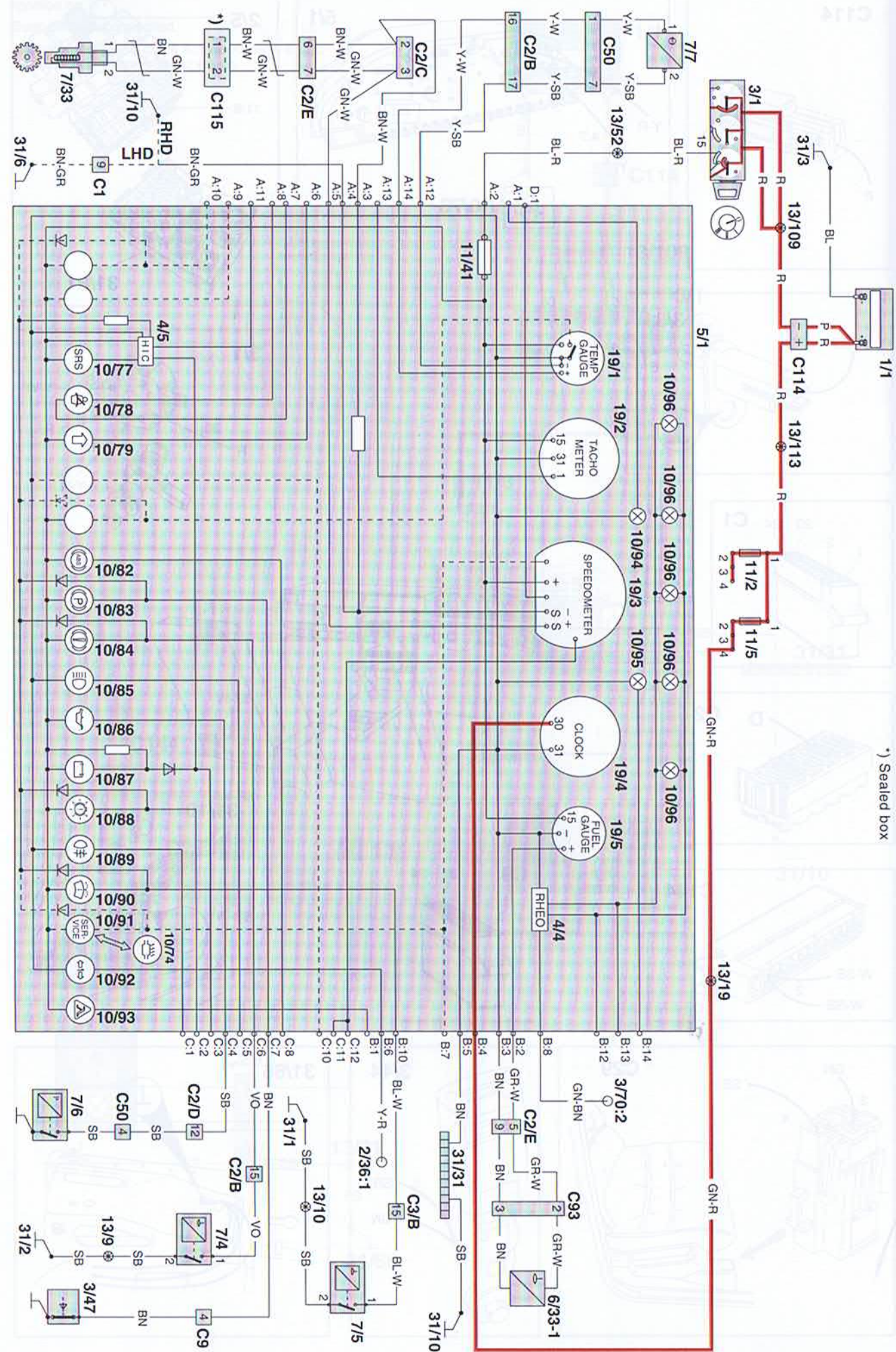
Seat belt reminder and key warning Korea

Ignition on.
Seat belt not connected.
Indicator lamp and clock activated for 4-8 seconds after ignition is switched on.



Seat belt reminder and key warning Korea





Indicator lamps

10/74	Indicator lamp exhaust temperature	10/88	Bulb failure warning sensor indicator light
10/77	Warning lamp, SRS	10/89	Indicator lamp, rear fog lights
10/78	Seat belt indicator lamp	10/90	Indicator lamp, washer fluid level
10/79	Overdrive indicator lamp (aut.)/ gear change indicator	10/91	Service Reminder Lamp (SRL)
10/82	Indicator lamp ABS	10/92	Indicator lamp, trailer
10/83	Indicator lamp handbrake	10/93	Indicator lamp, Check engine
10/84	Brake warning indicator lamp	10/94	Indicator lamp, right turn signal lamp
10/85	Indicator lamp high beam	10/95	Indicator lamp left turn signal lamp
10/86	Indicator lamp, oil pressure	10/96	Instrument lighting
10/87	Indicator lamp, charging		

Connectors in combined instrument panel

A 14-pin

1	Turn signal sensor
2	Power supply +15
3	Speedometer pick-up
4	Reference ground (31/6, 31/10)
5	Speedometer pick-up
6	Overdrive relay (-)
7	Seat belt reminder
8	Seat belt reminder
9	-
10	-
11	Supplemental Restraint System Crash Sensor (+)
12	Engine coolant temperature (ECT) sensor
13	Ignition coil outlet 1 or generator (GEN) outlet W
14	Engine coolant temperature (ECT) sensor

B 14-pin

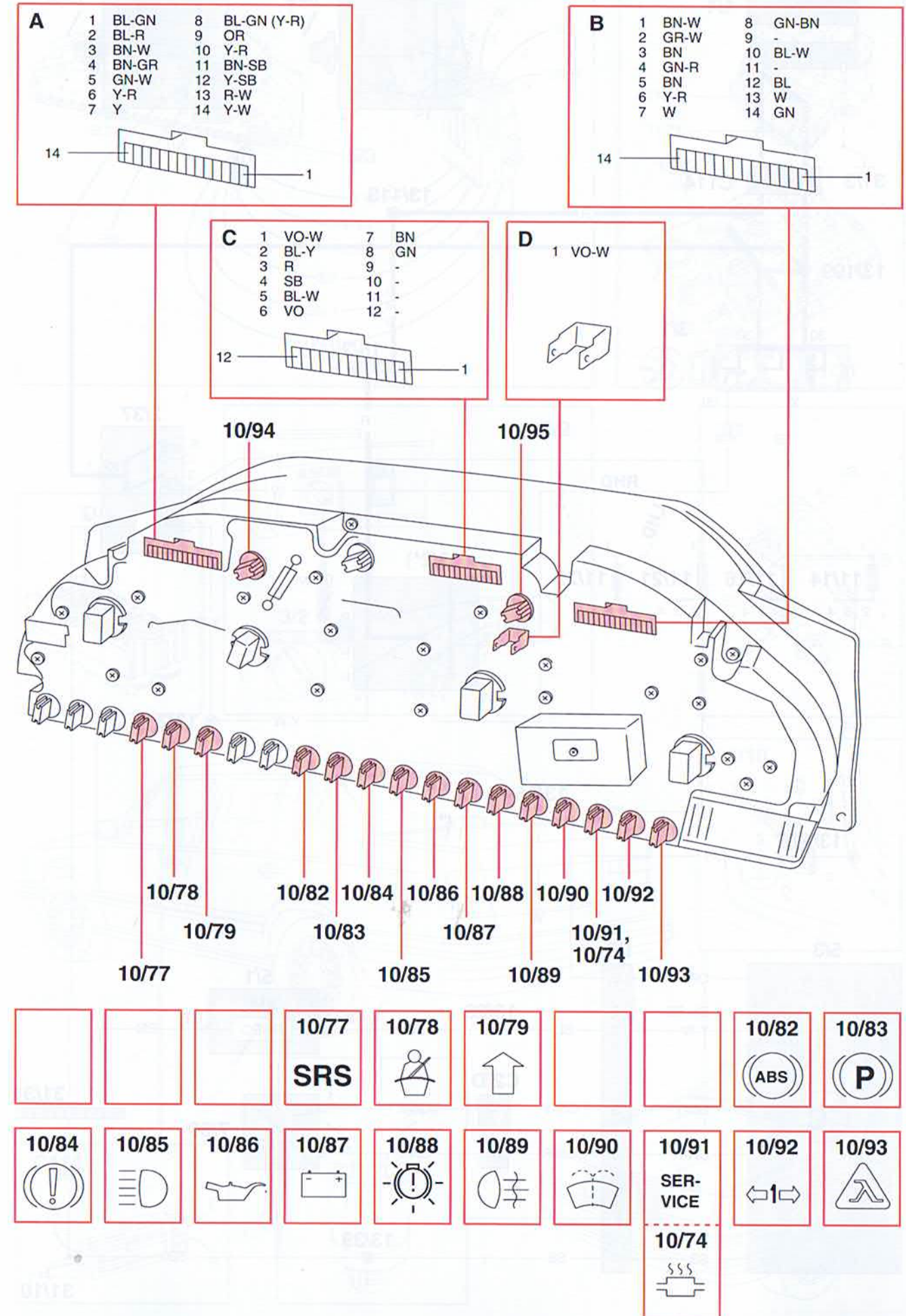
1	Fuel injection system control module, Ignition system control module
2	Fuel level sensor (+)
3	Fuel level sensor (-)
4	Power supply +30
5	Ground rail (31/31)
6	Trailer (+)
7	Exhaust temperature sensor relay (-)
8	Rheostat setting
9	Spare
10	Washer fluid level switch (-)
11	Spare
12	Instrument and control panel lighting (-)
13	Instrument and control panel lighting (+)
14	Left turn signal lamp (+)

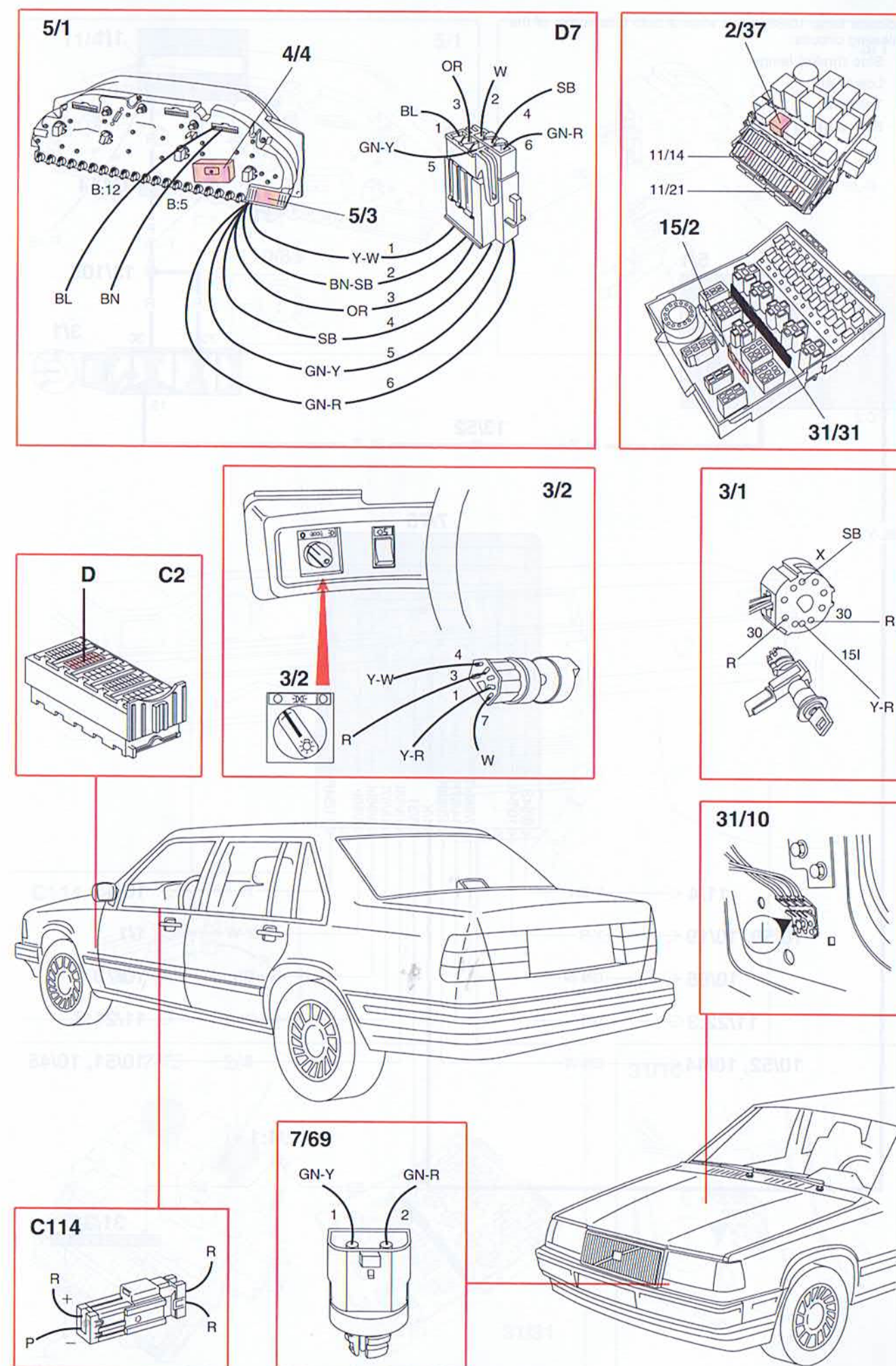
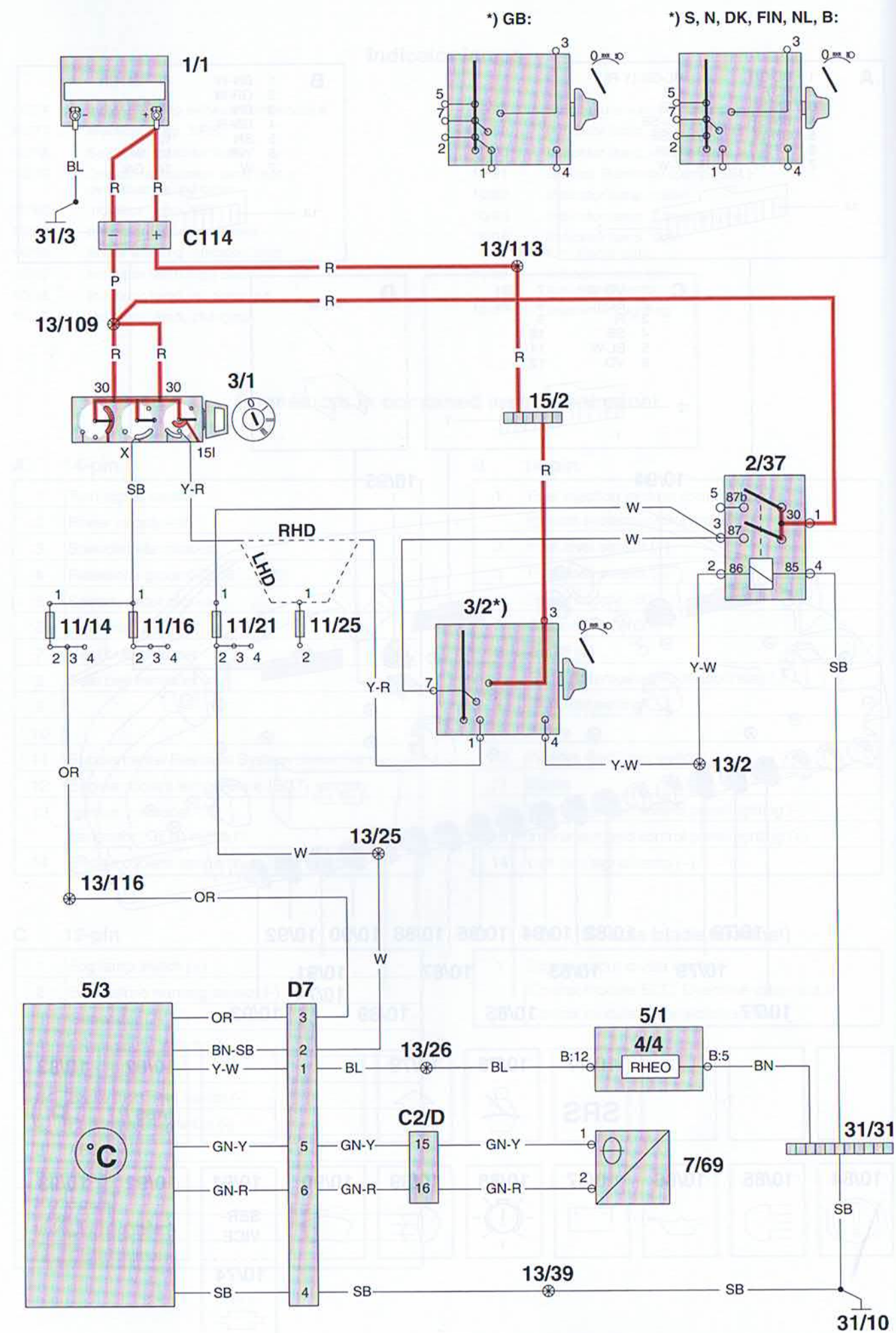
C 12-pin

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

D 1-pin (Double blade terminal)

1	Digital output cruise control Control module ECC, Overdrive relay (aut.)/ Control module fuel injection system
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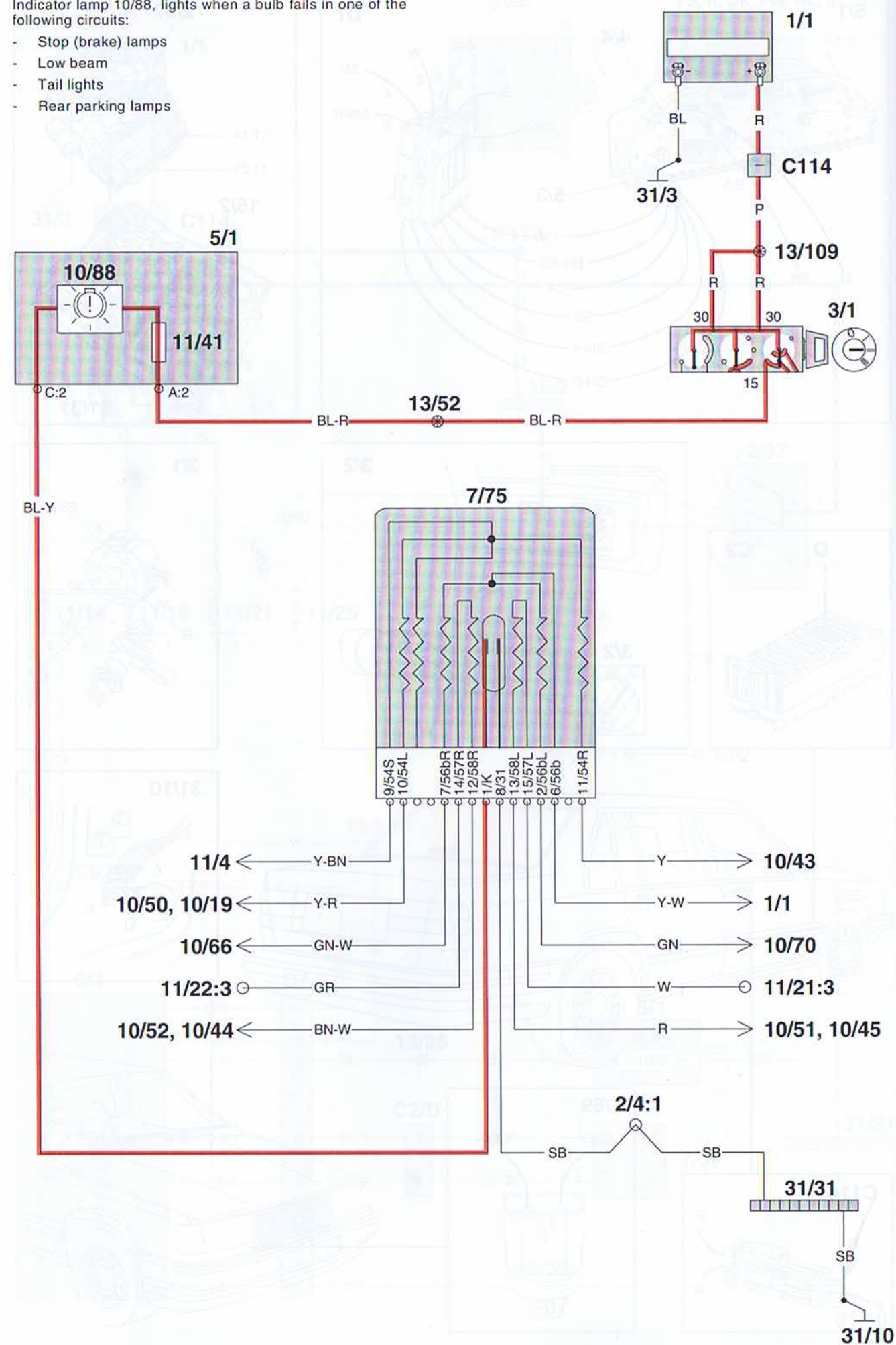




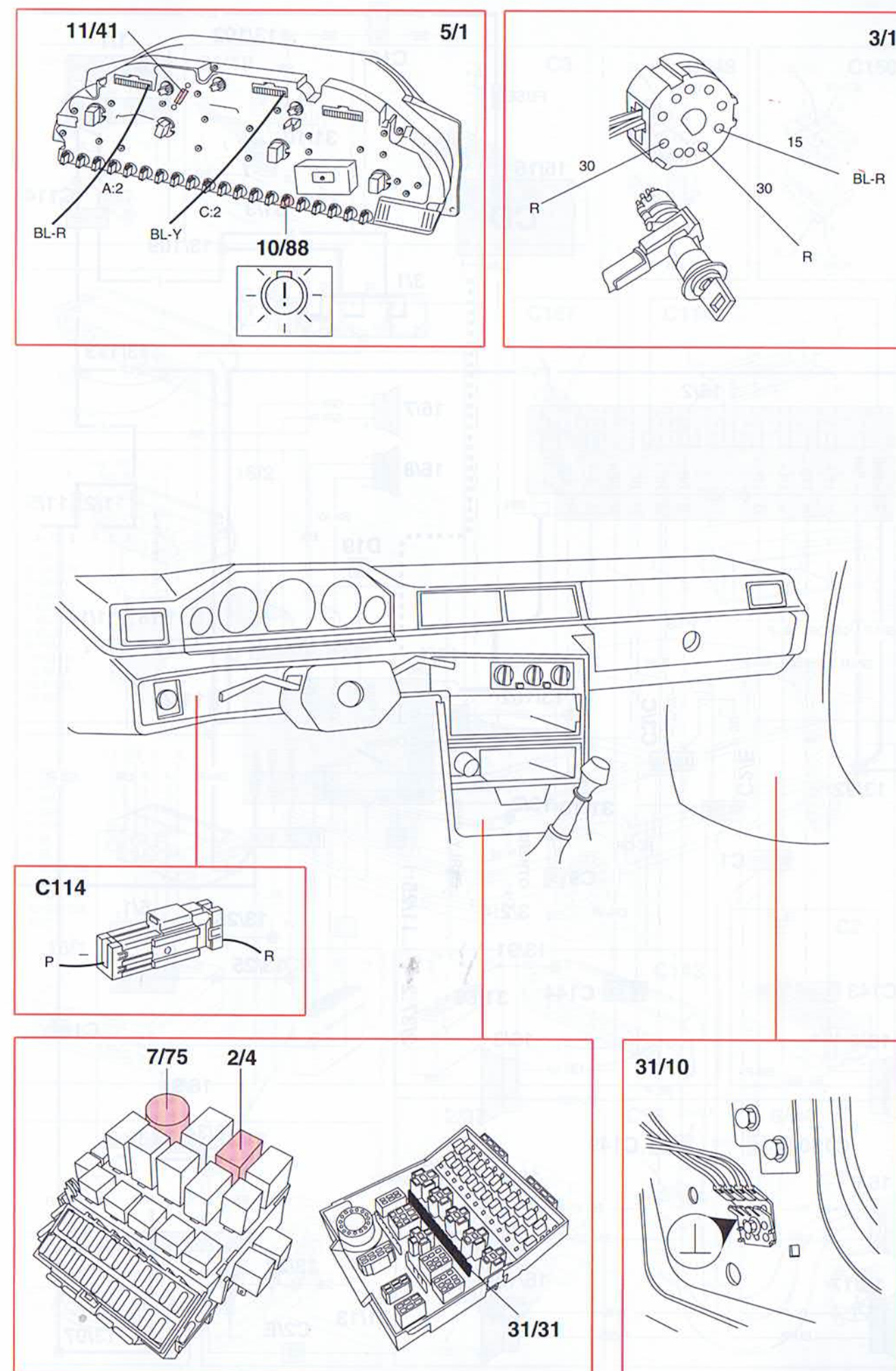
Bulb failure warning sensor

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

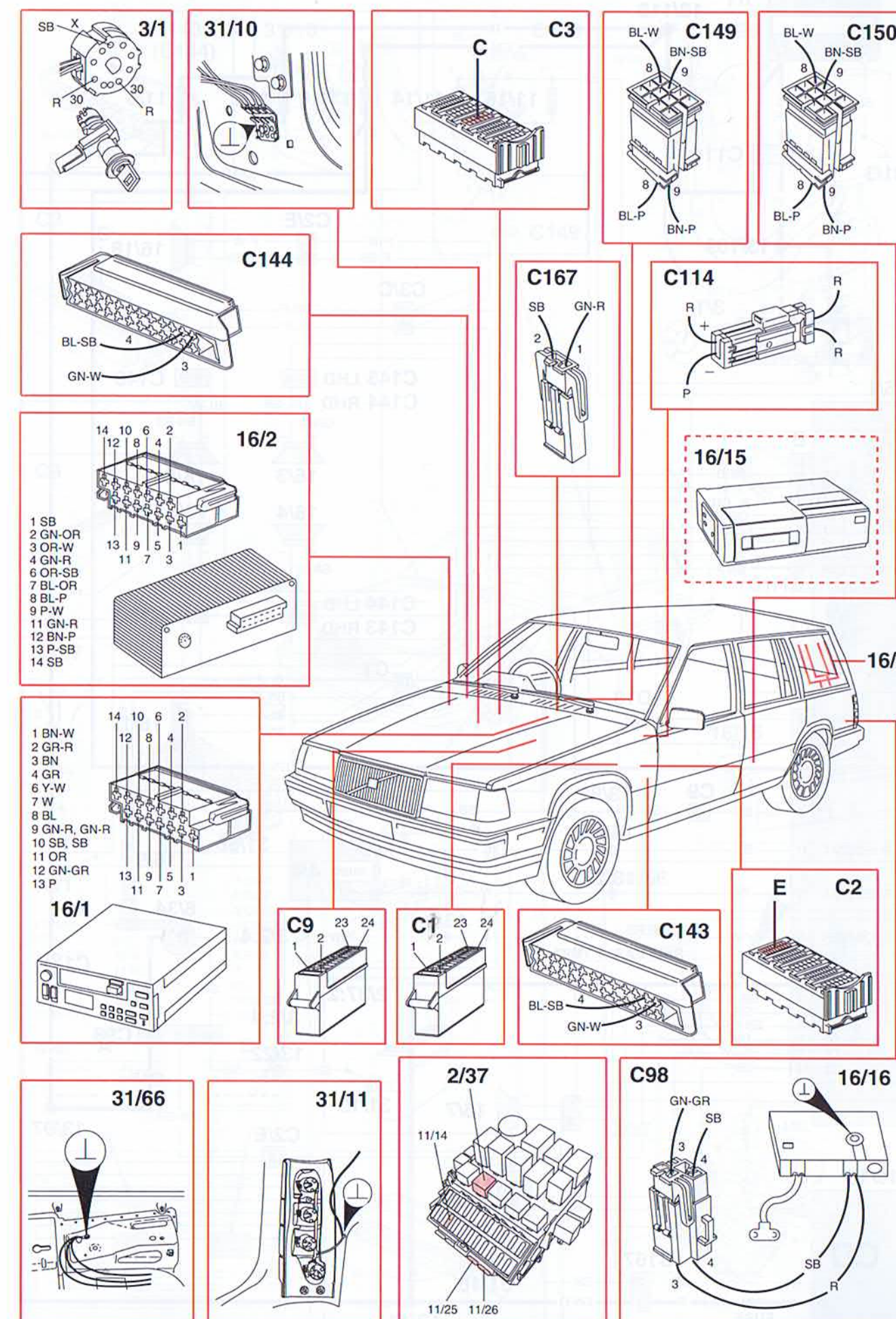
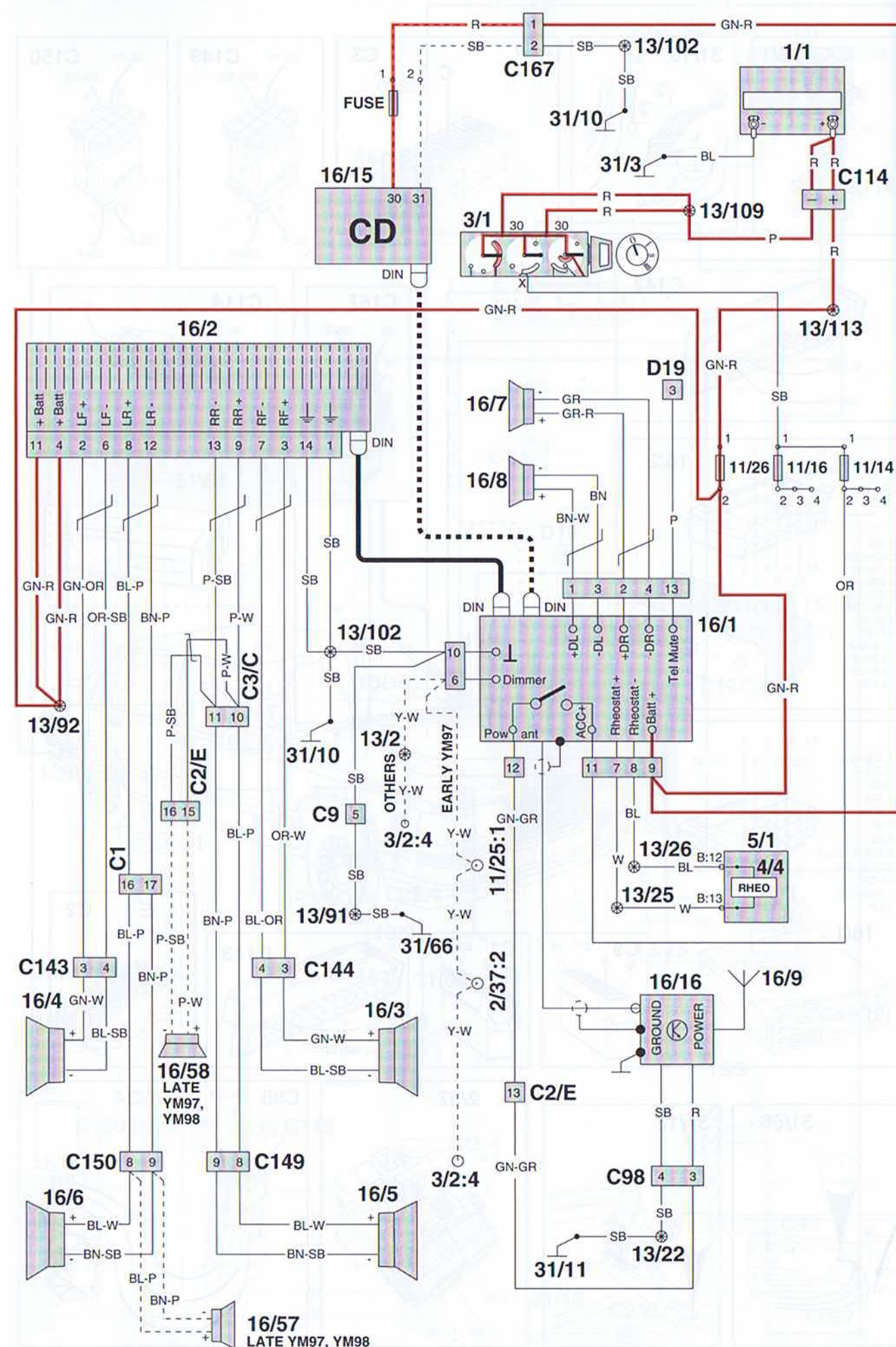
- Stop (brake) lamps
- Low beam
- Tail lights
- Rear parking lamps

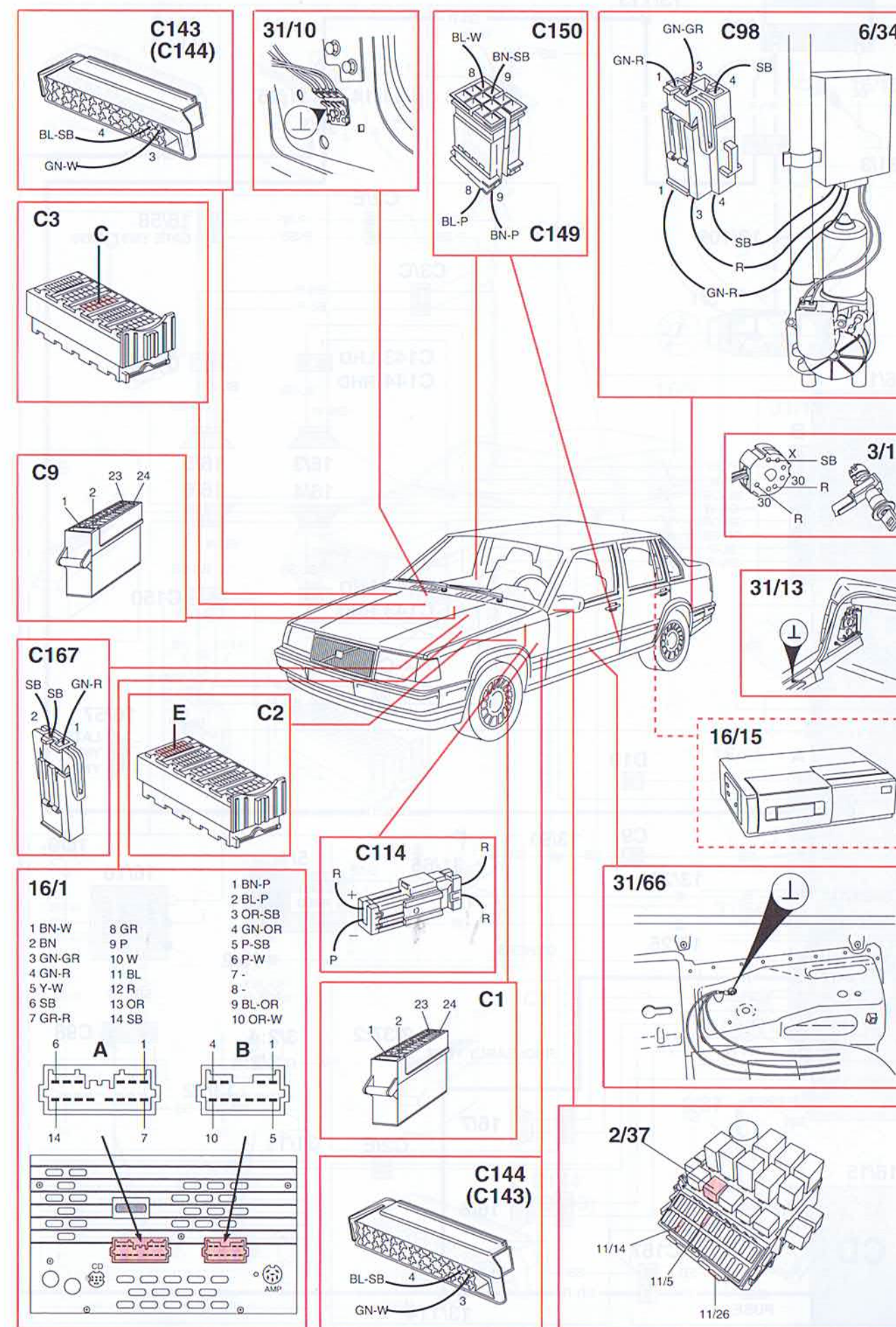
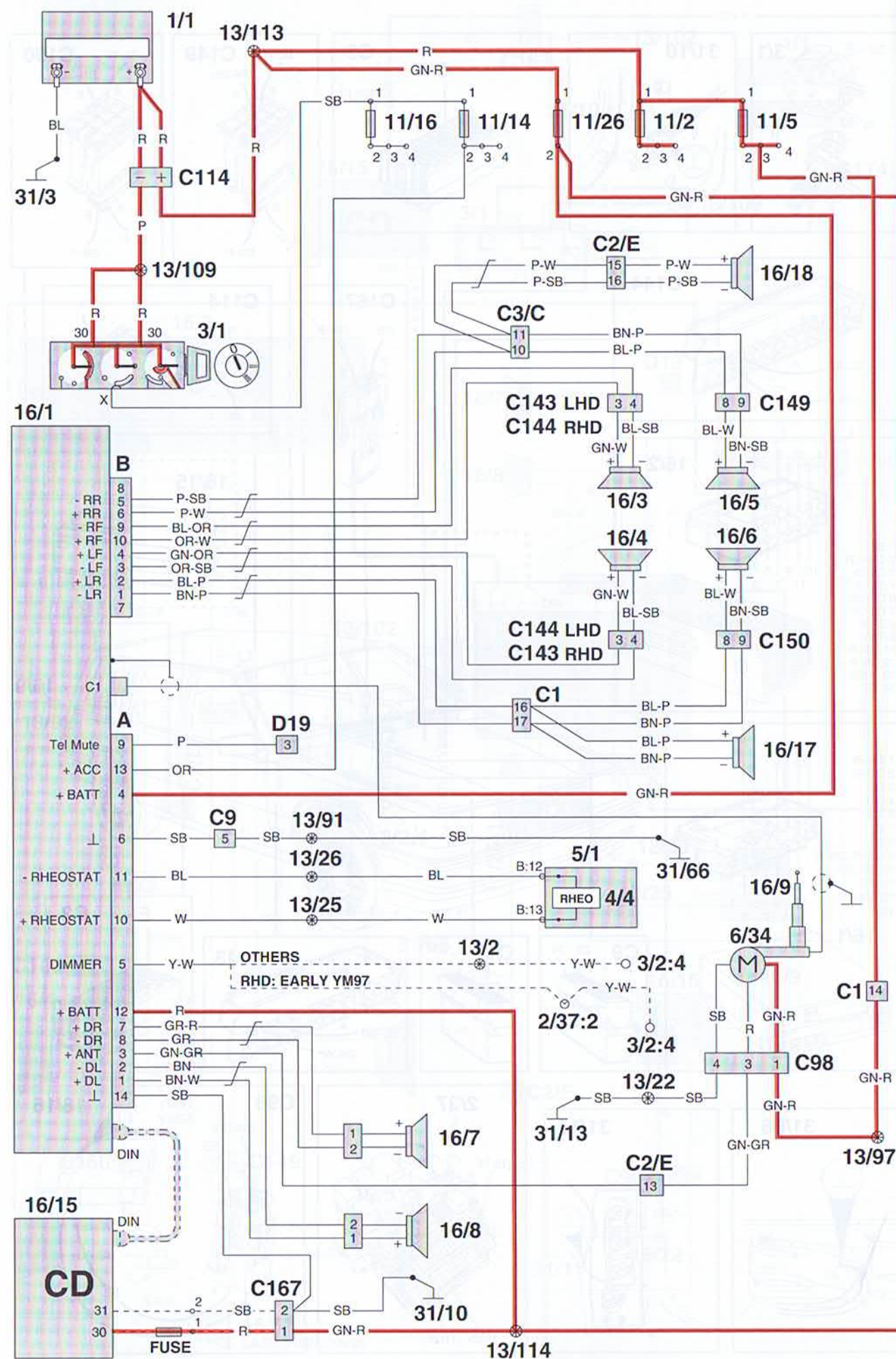


Bulb failure warning sensor

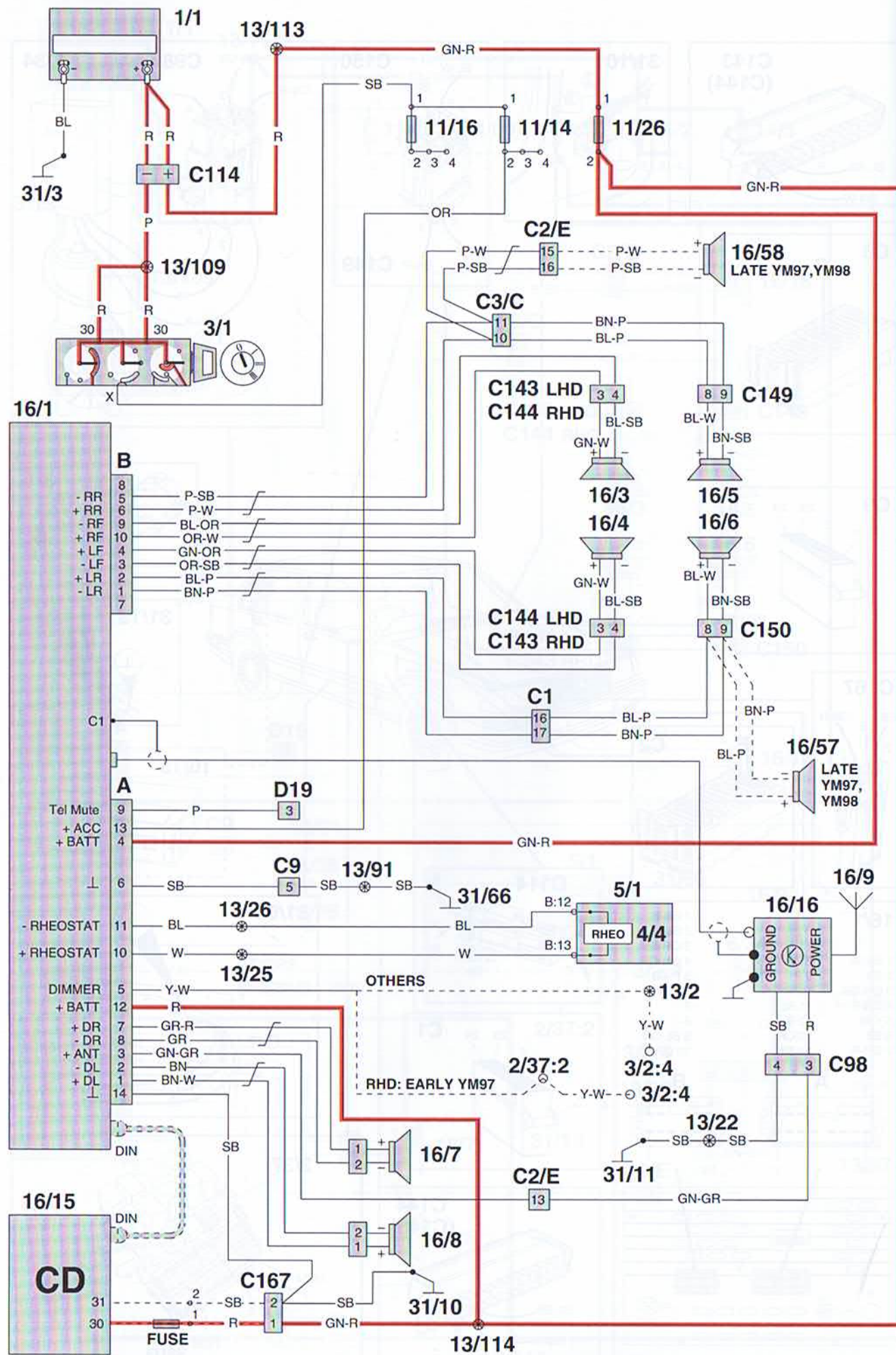




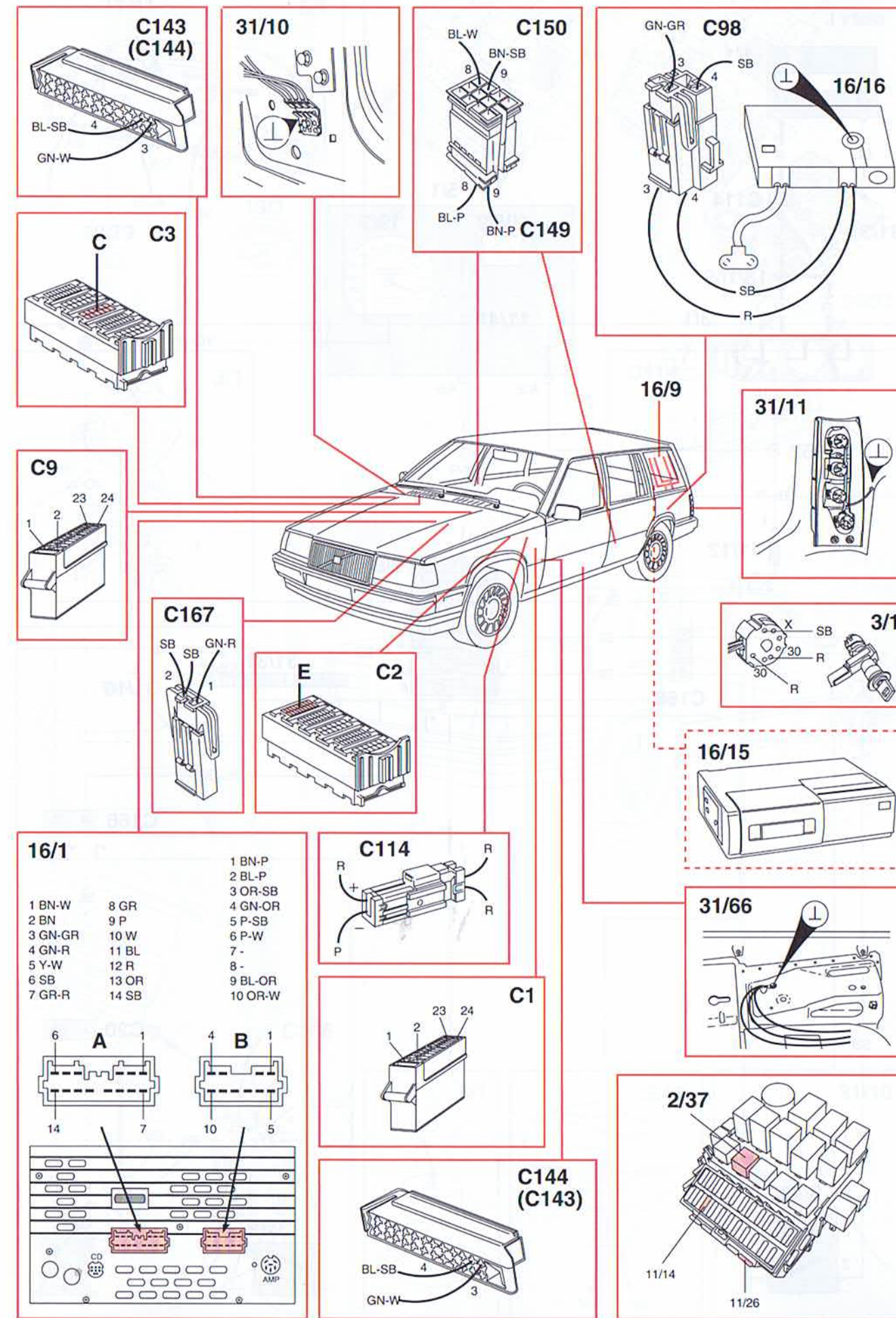




Radio
Other, 5 door

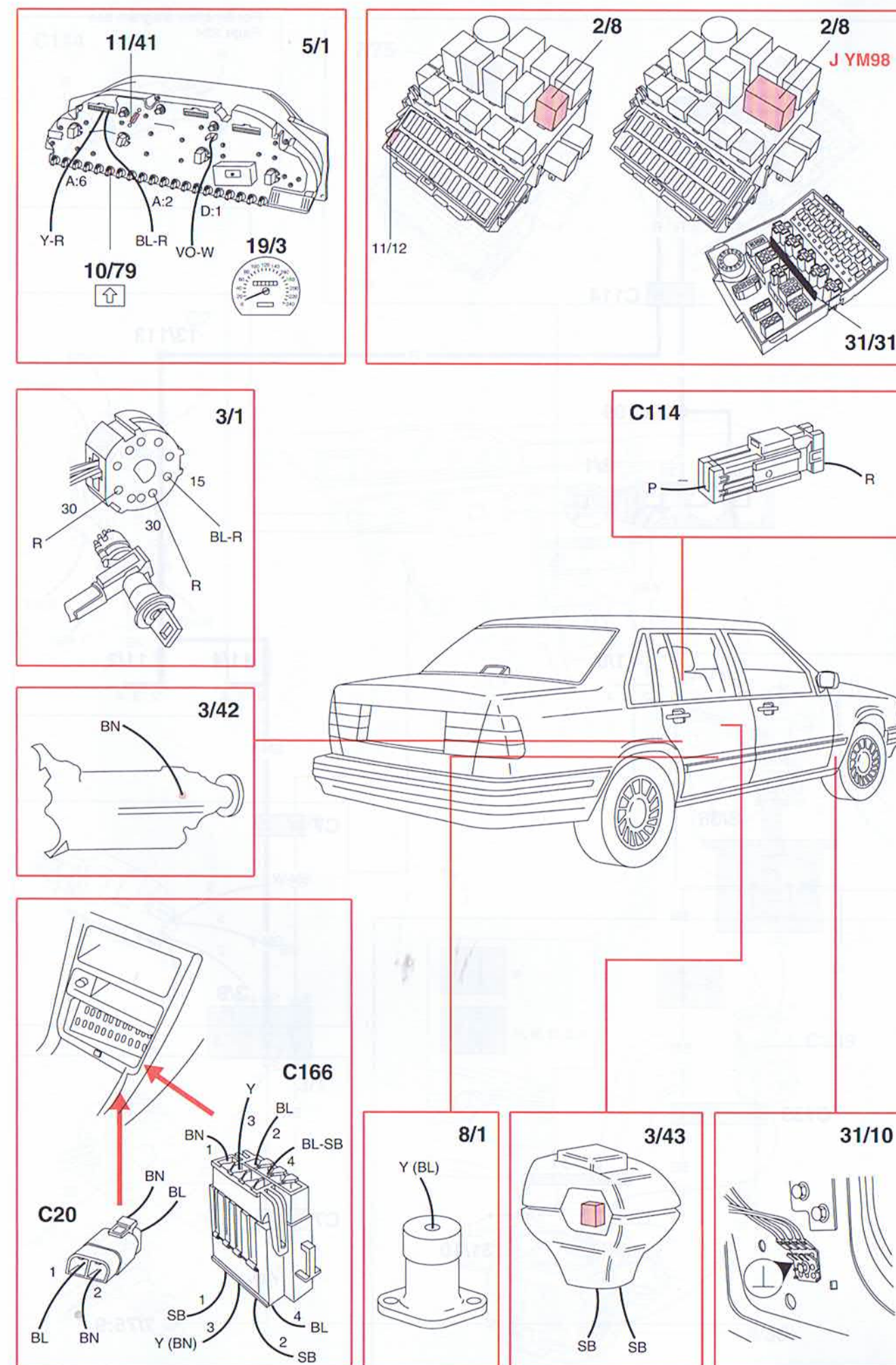
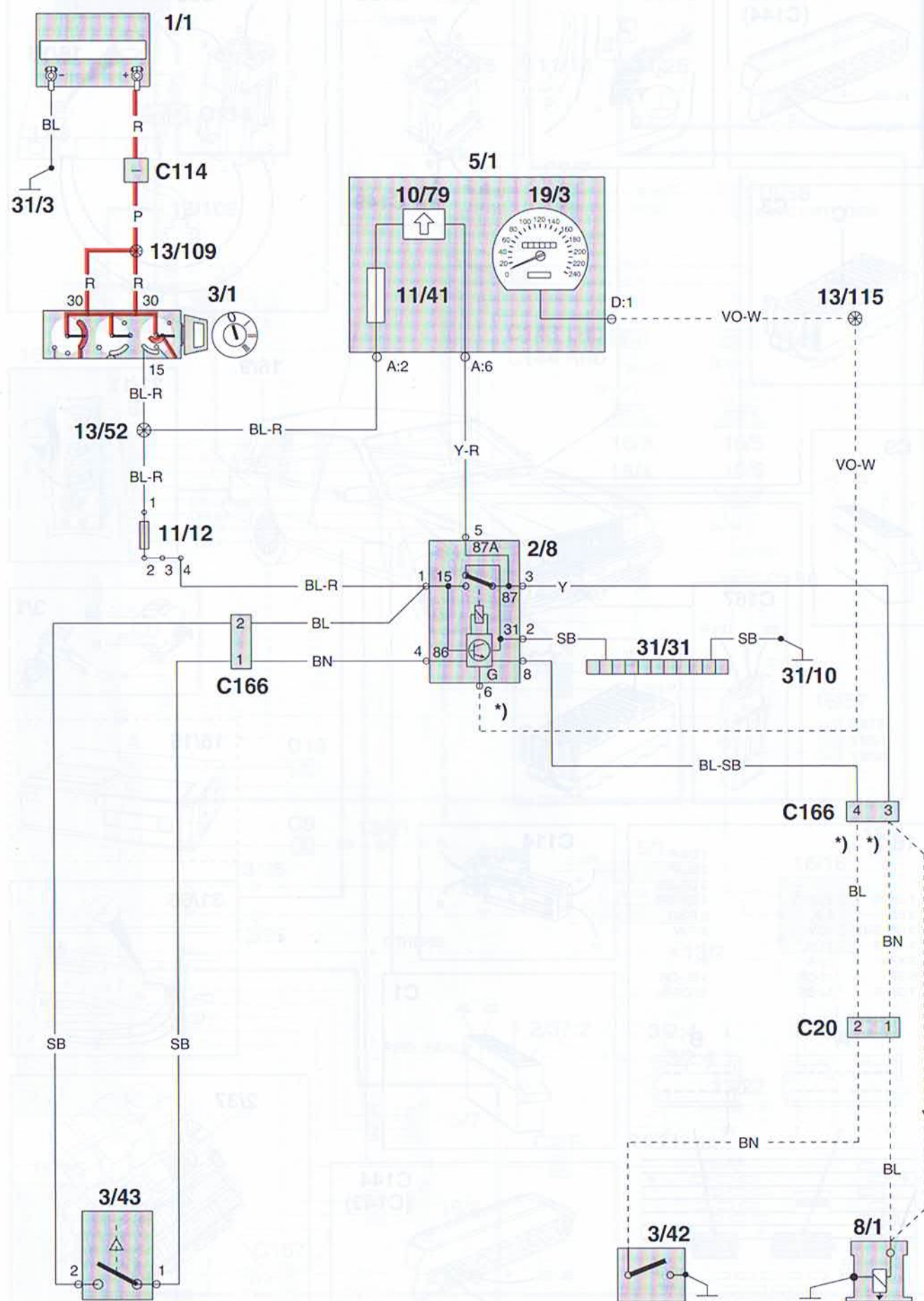


Radio
Other, 5 door

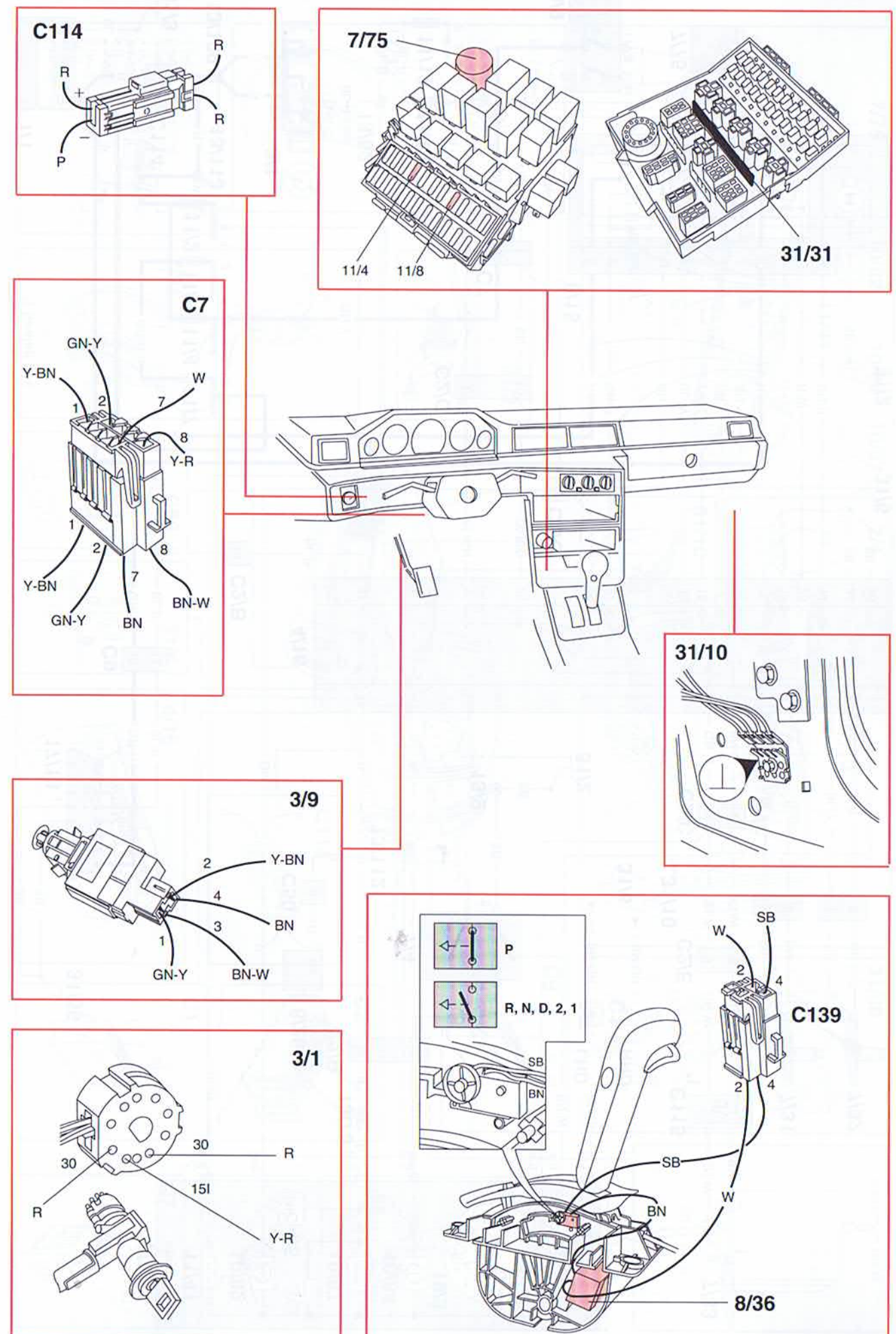
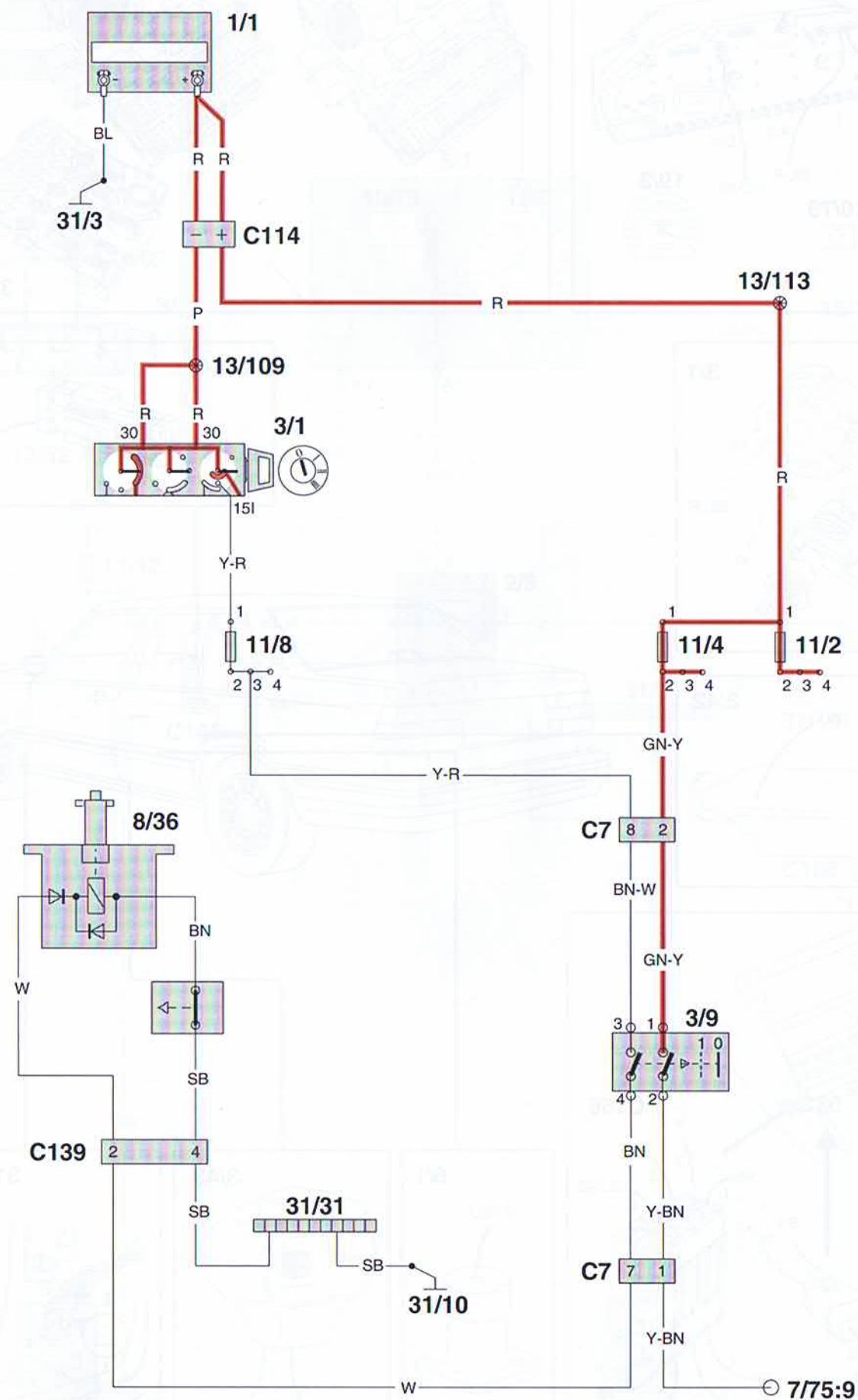


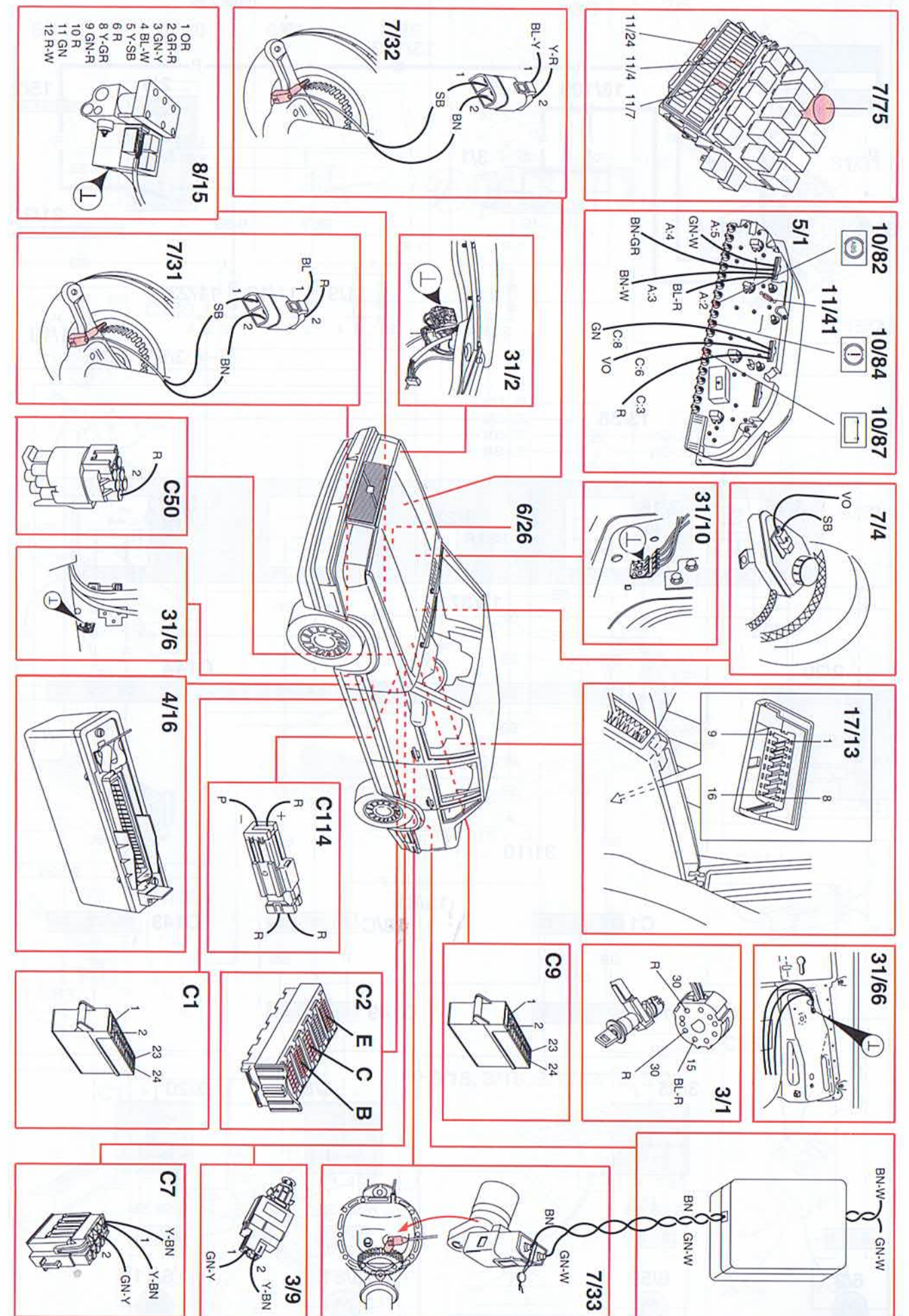
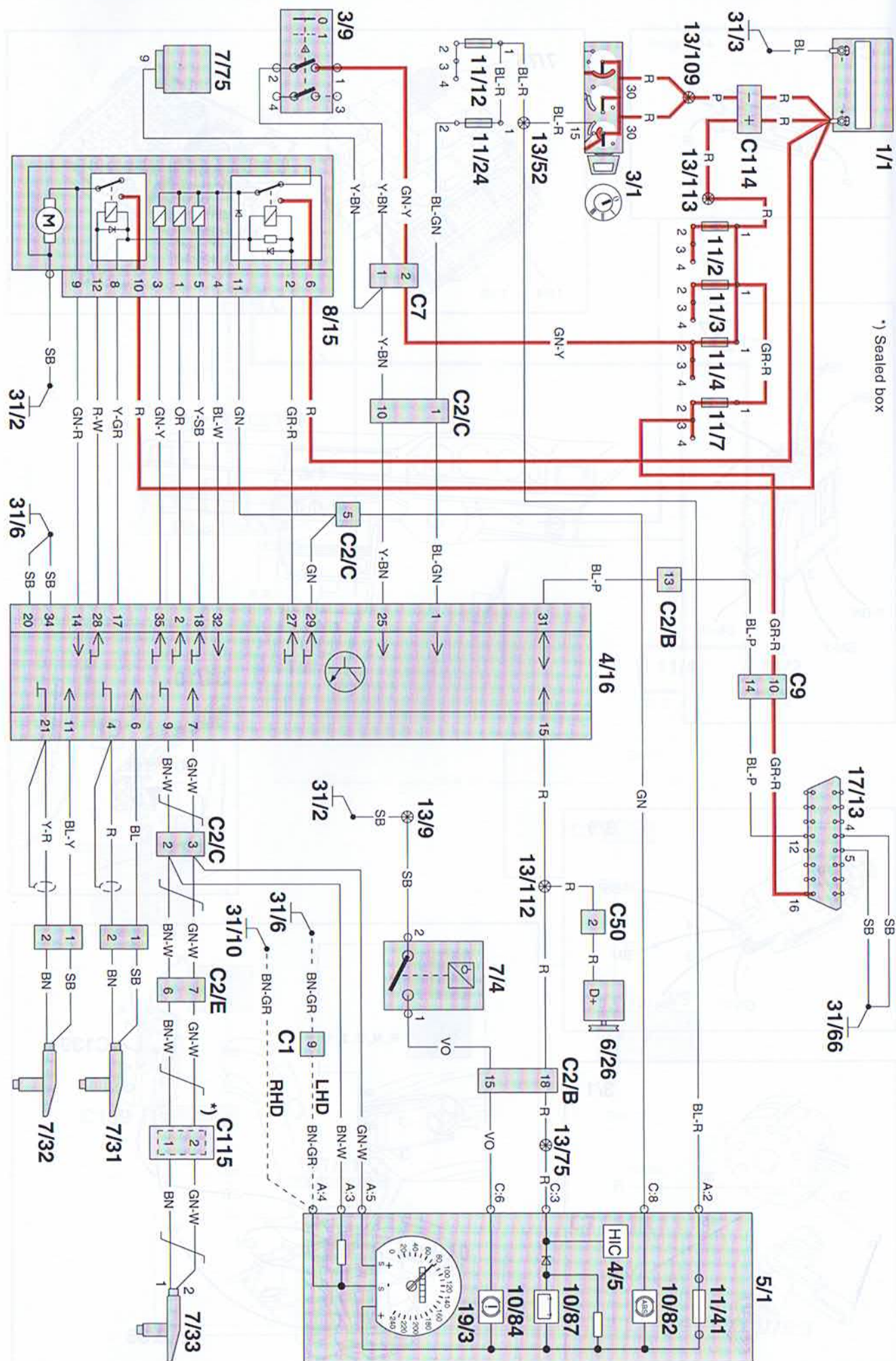
*) AW 71 certain markets

For function diagram see
Page 233



For function diagram see
Page 234





Power windows

For function diagram see
Page 235

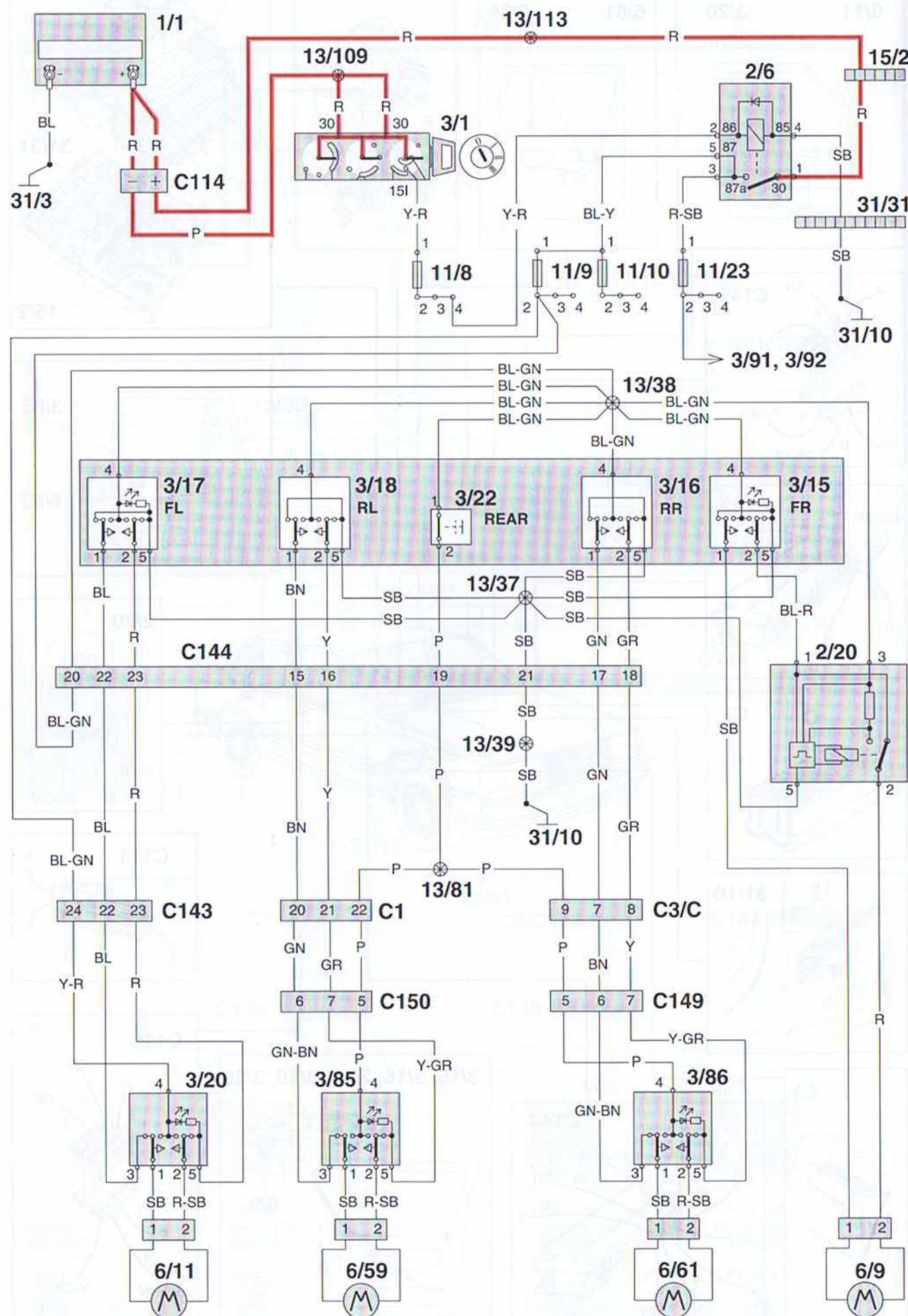


Power windows

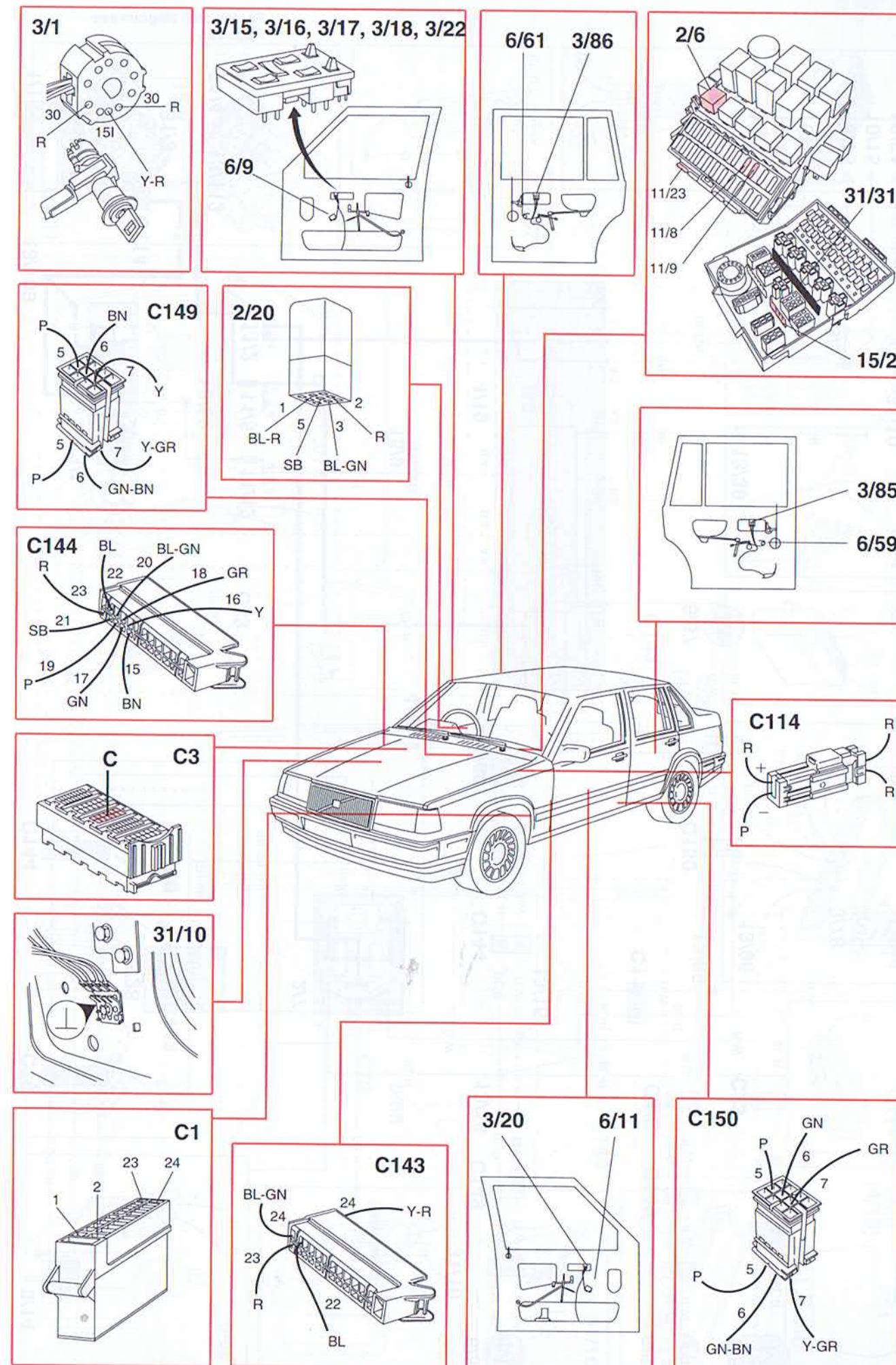


Power windows right-hand drive cars

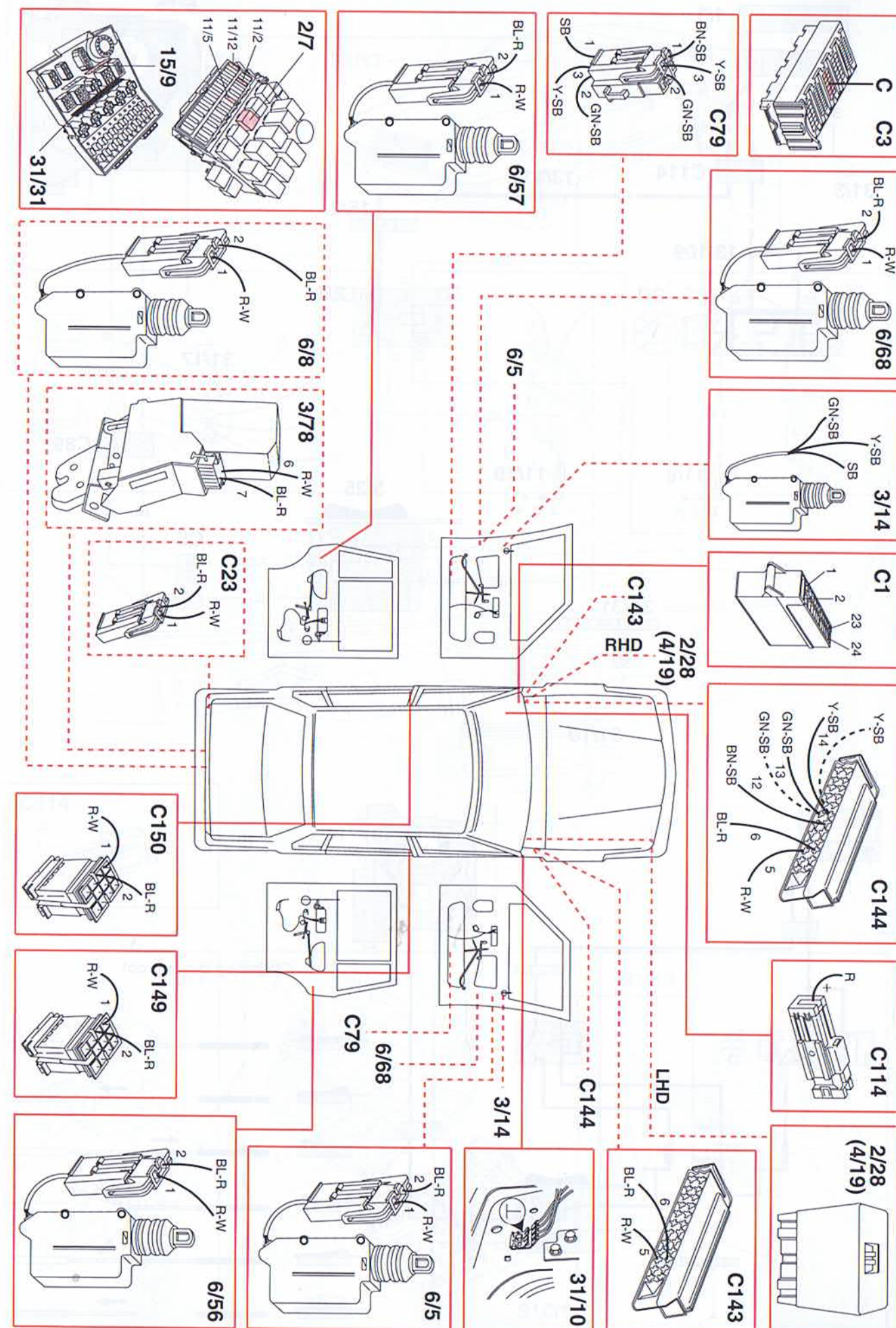
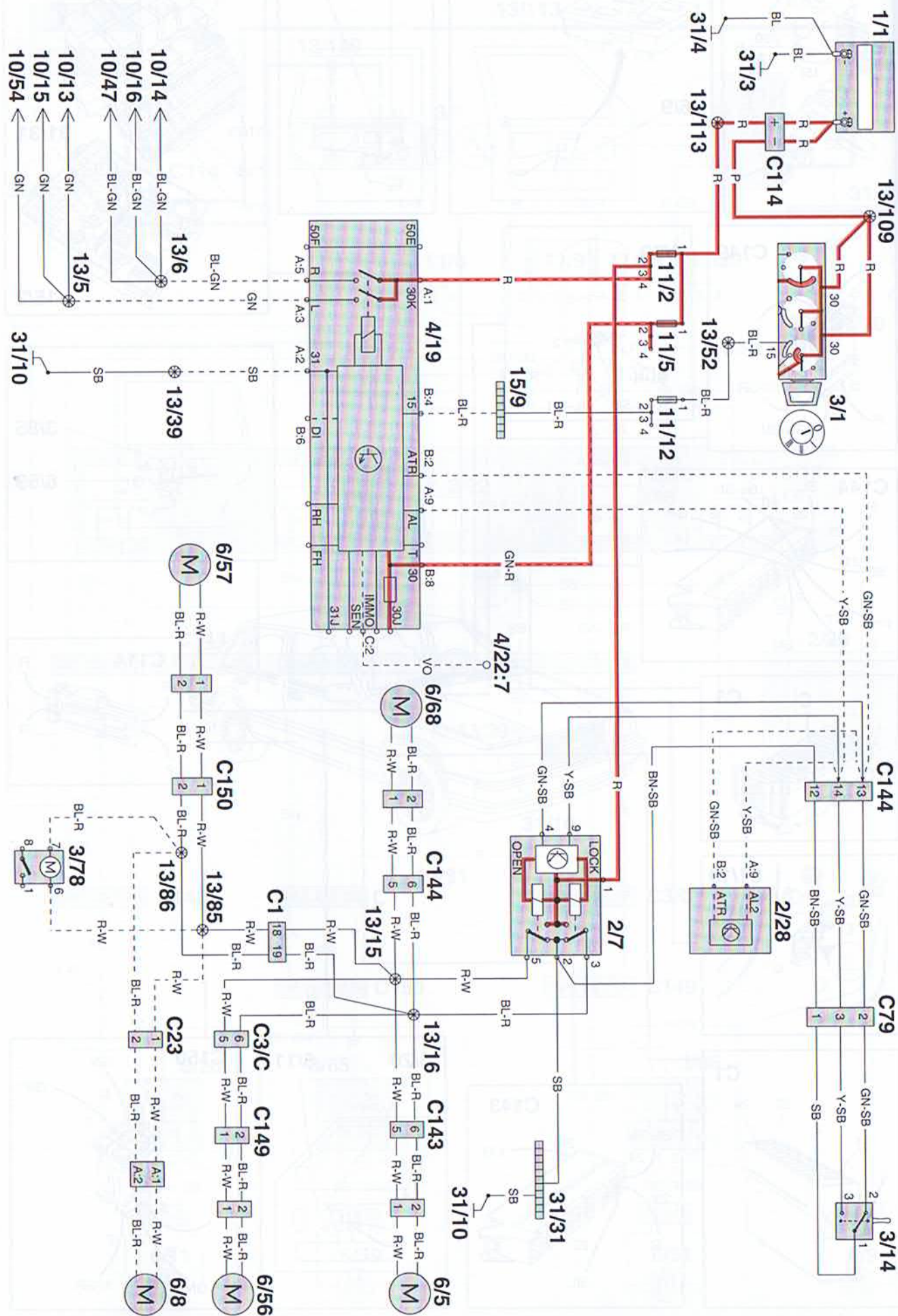
For function diagram see
Page 235

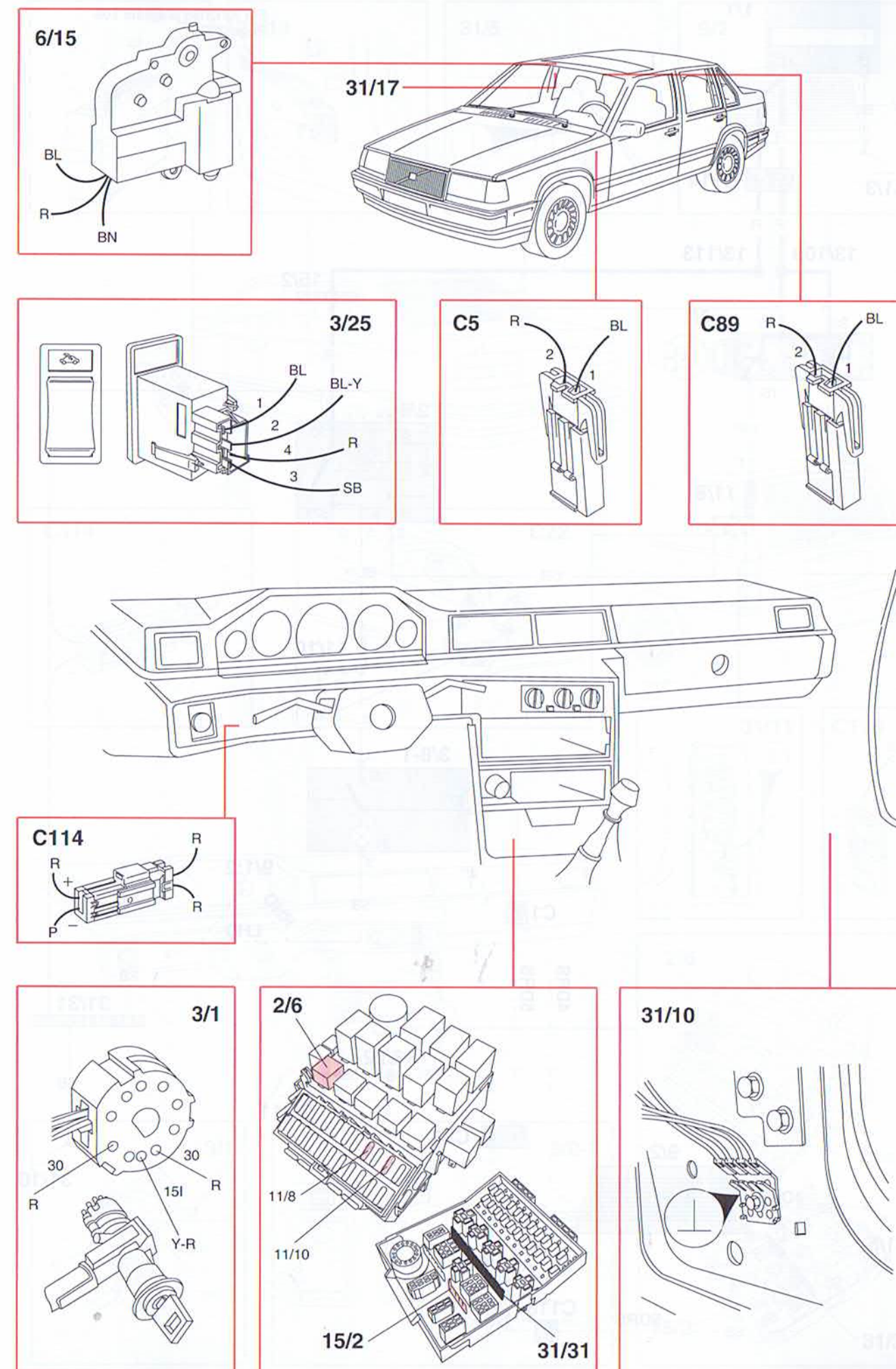
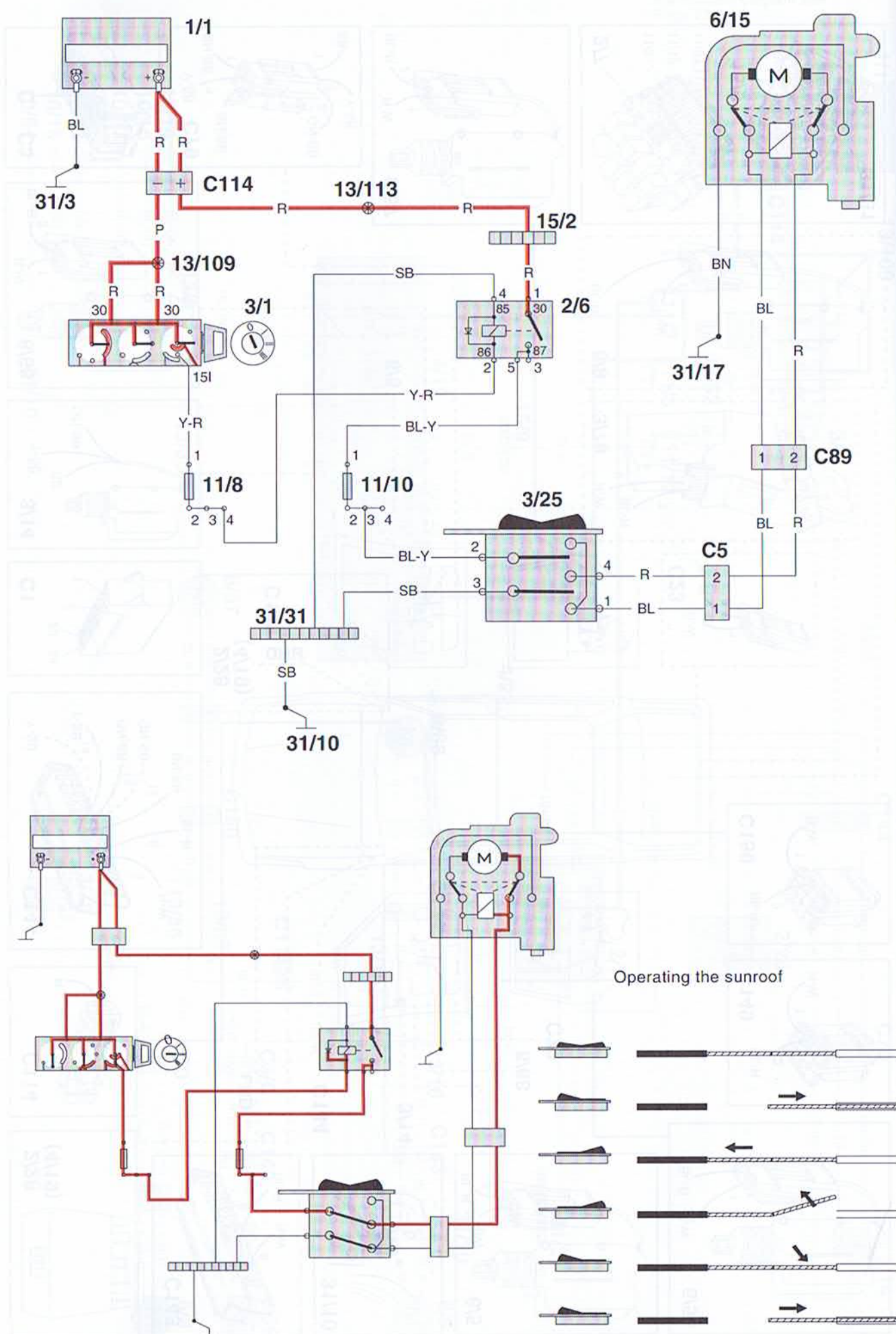


Power windows right-hand drive cars

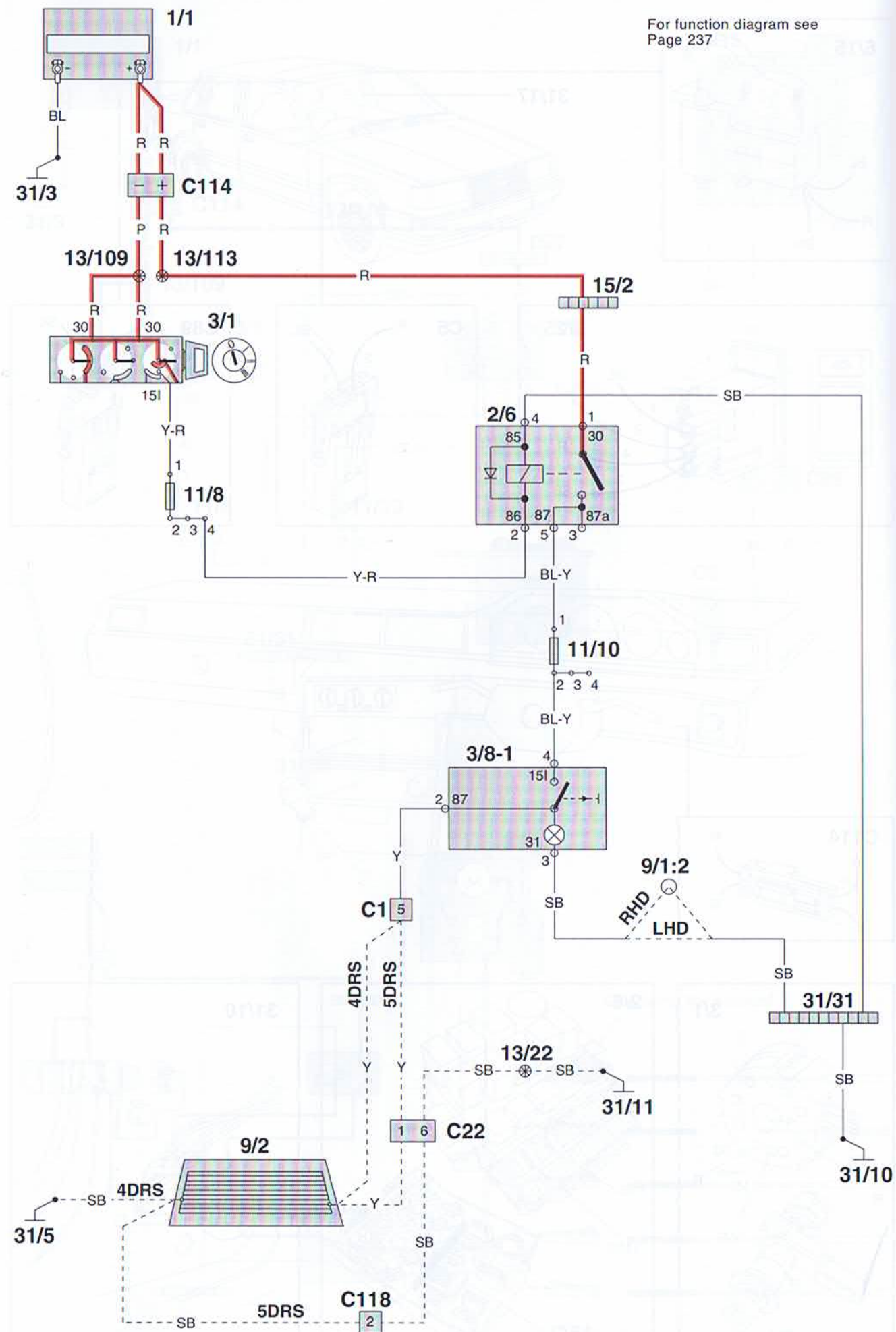


For function diagram see
Page 236

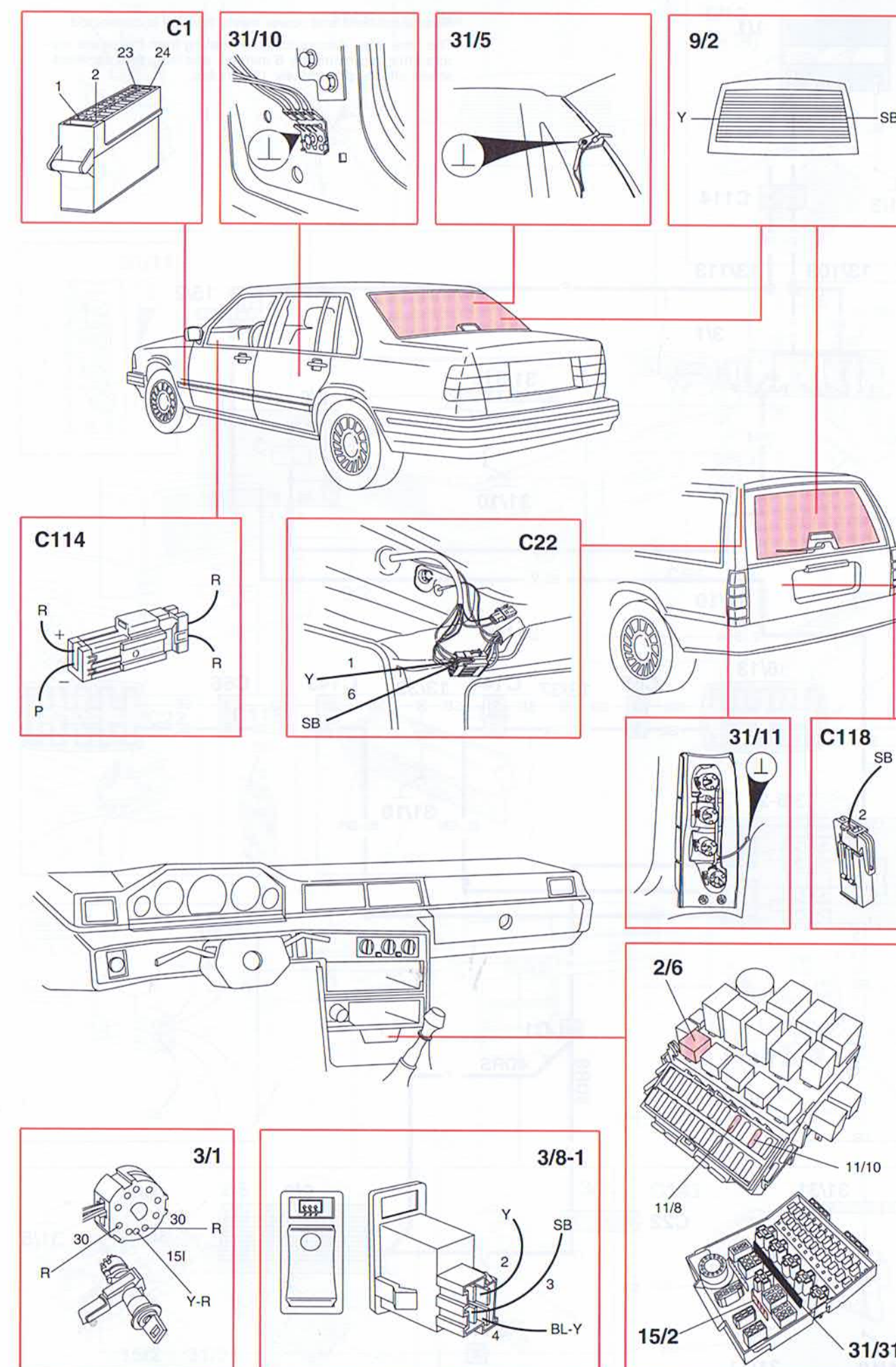




Heated rear window



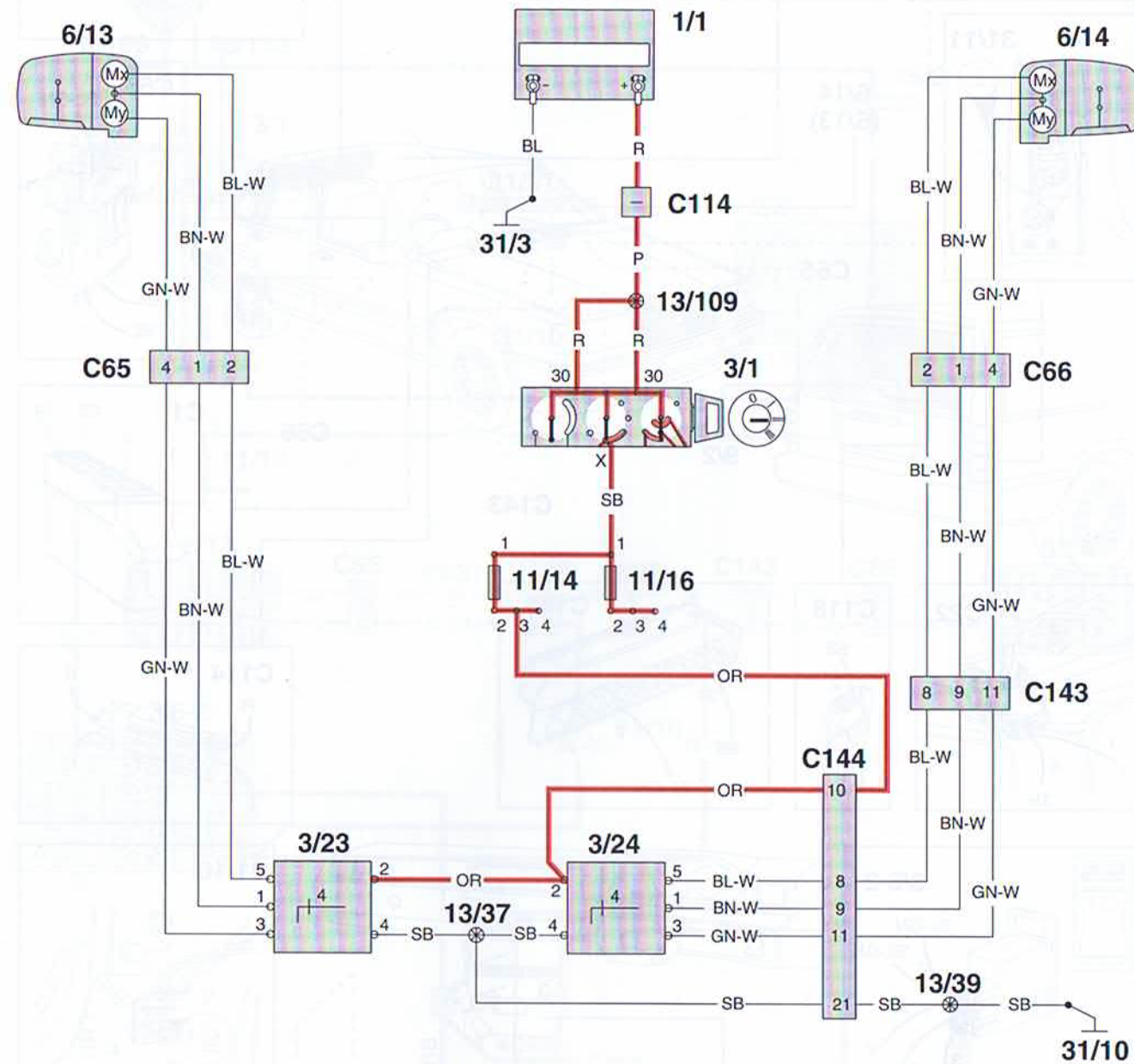
Heated rear window



Rear windshield and power mirror heating is connected.

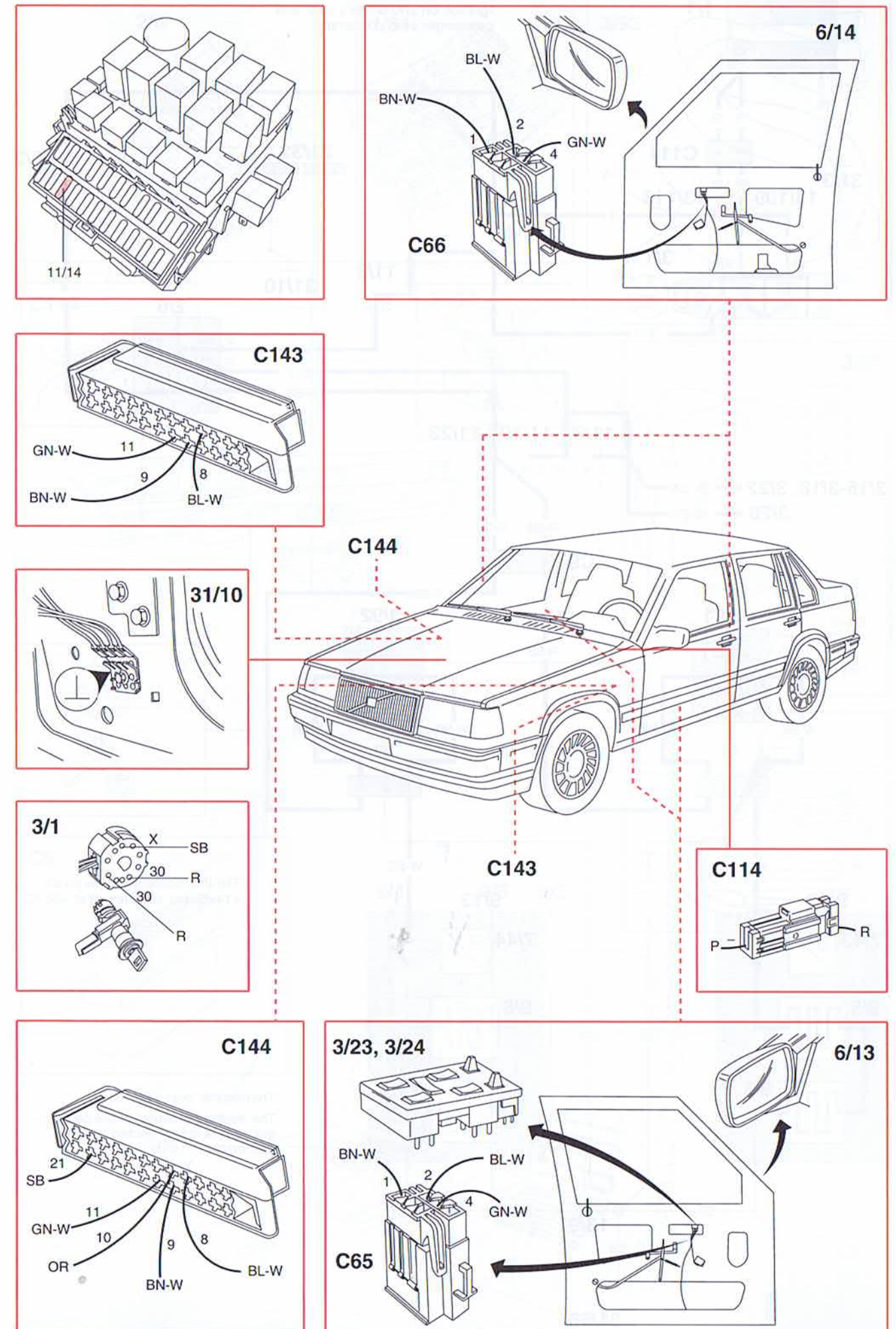
The time relay disconnects the heating from the power mirrors after approximately 6 minutes and from the rear windshield after approximately 12 minutes.

For function diagram see
Page 238

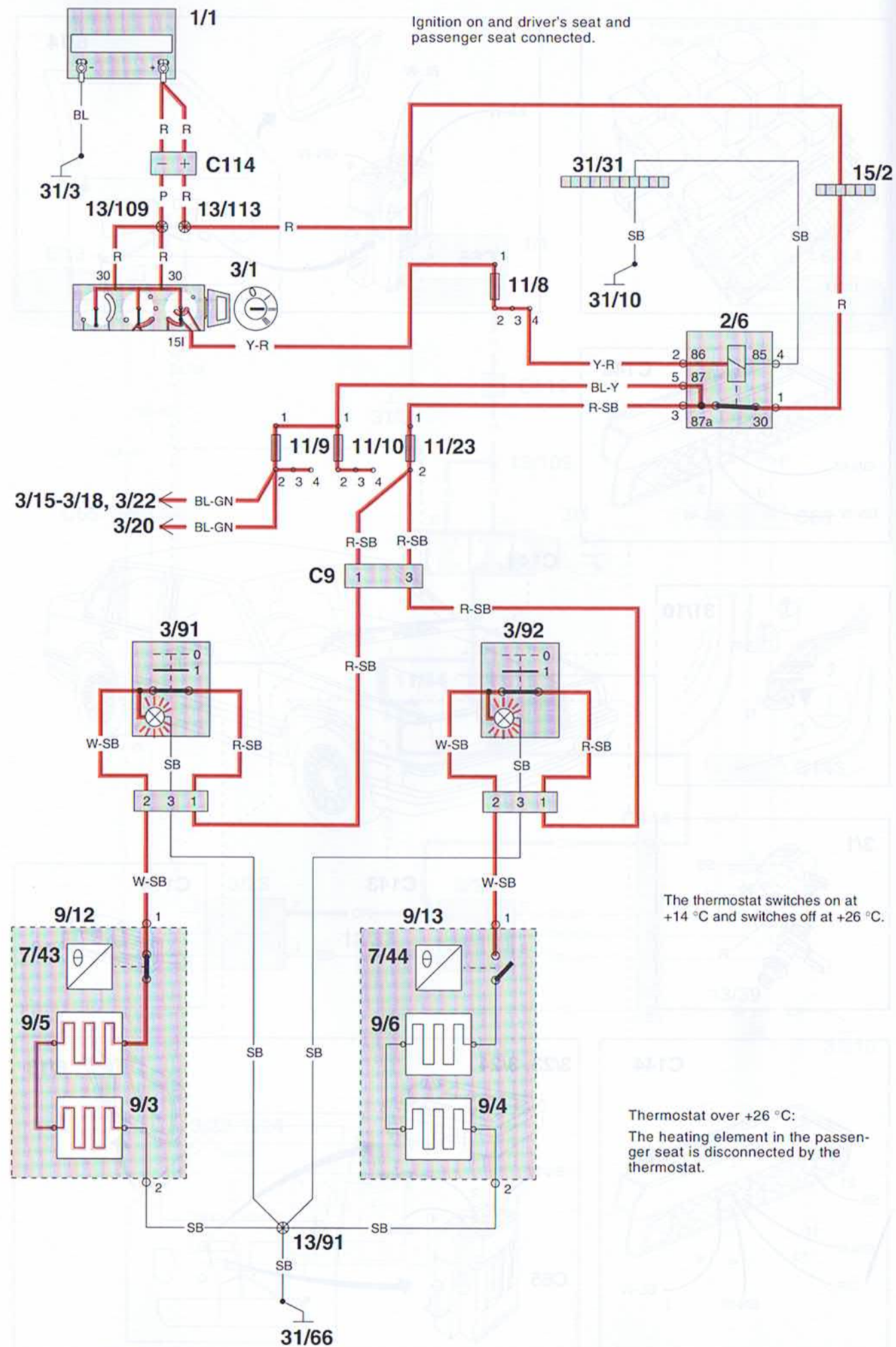


3/23, 3/24

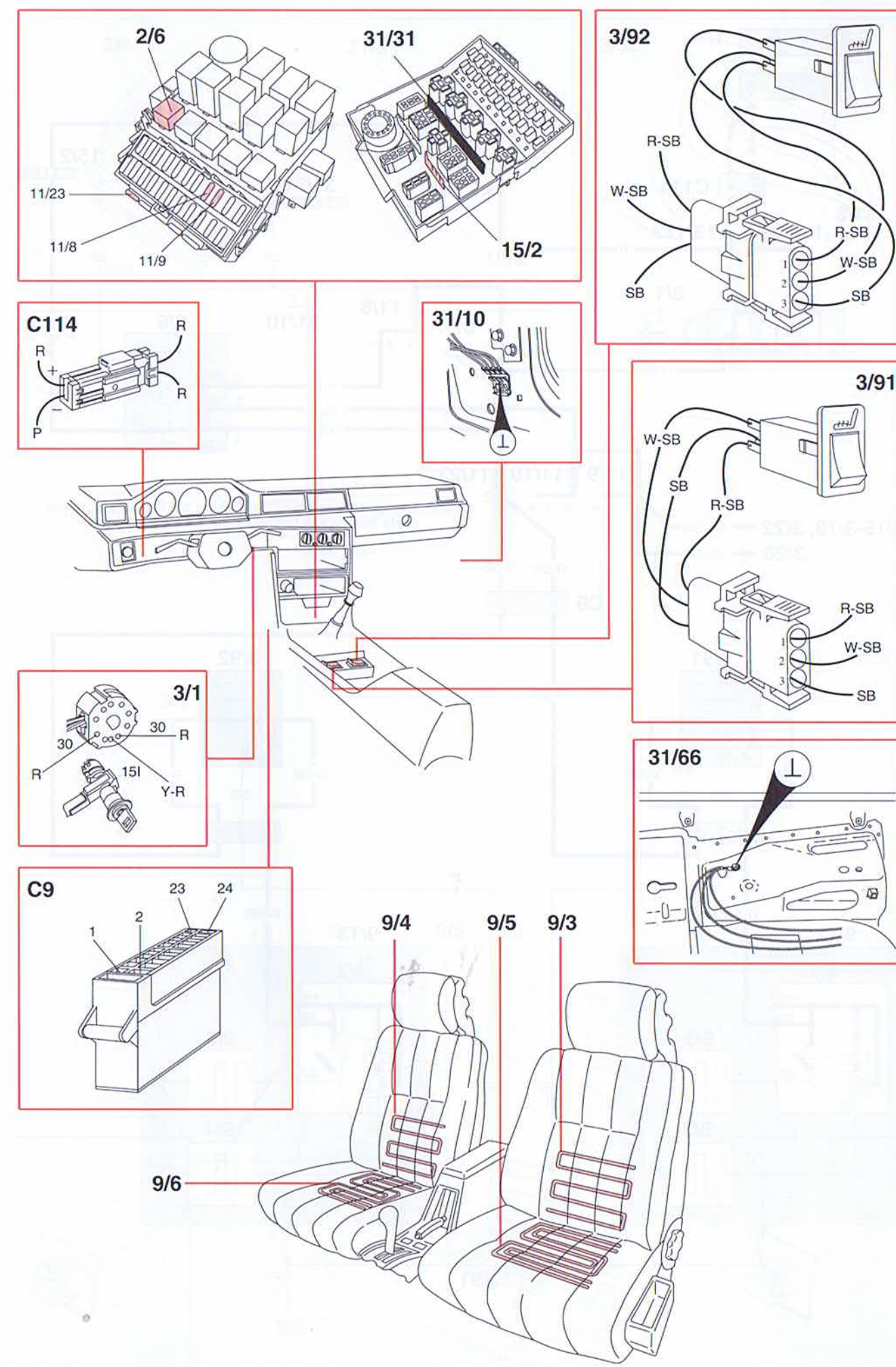
Position	Terminal	1	2	3	4	5
Y1	Y1	X	X	X	X	
Y2	Y2	X	X	X	X	
X2	X1	X	X			X
Y2	X2	X	X			X



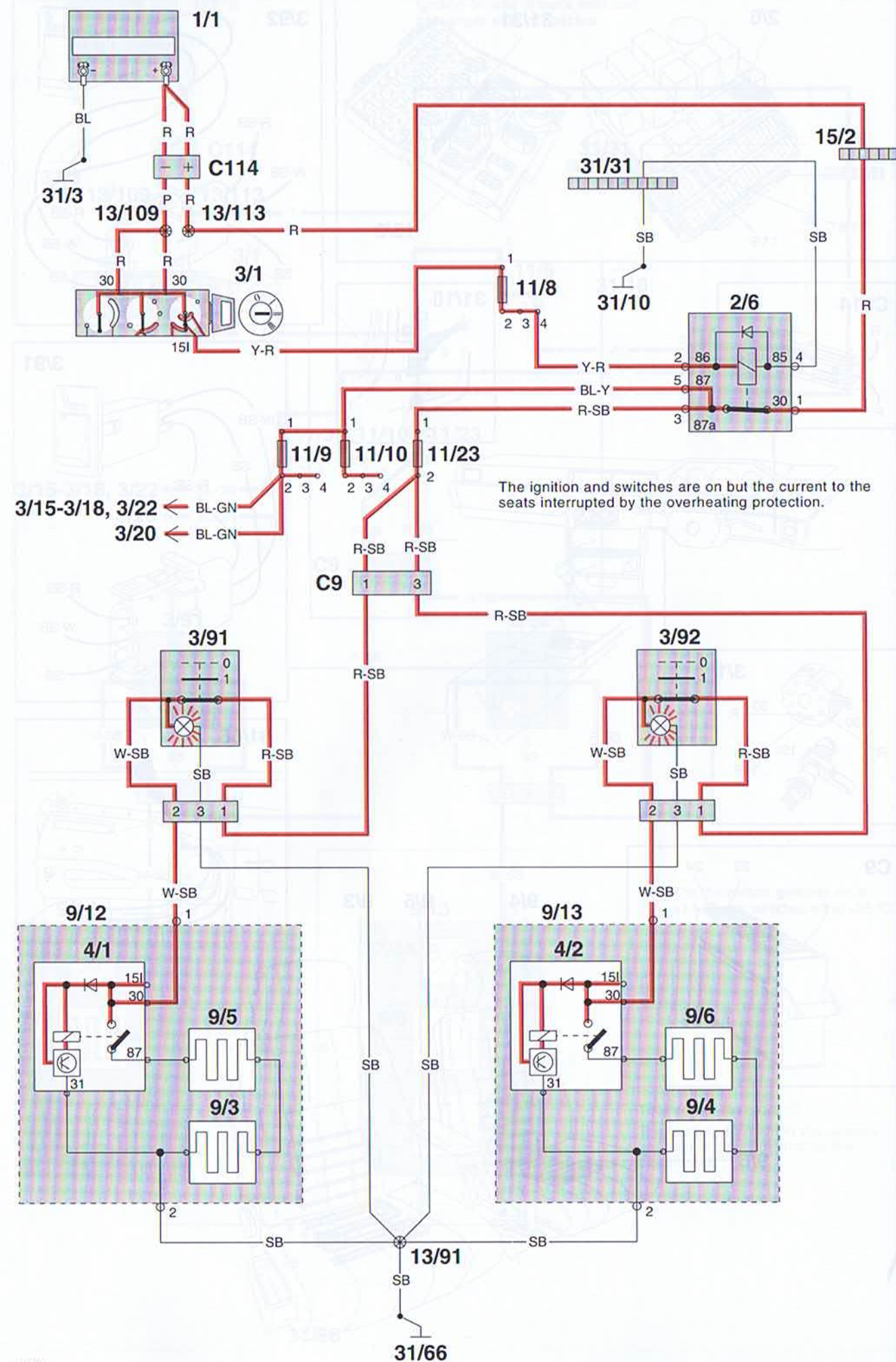
Electrically heated seats normal power



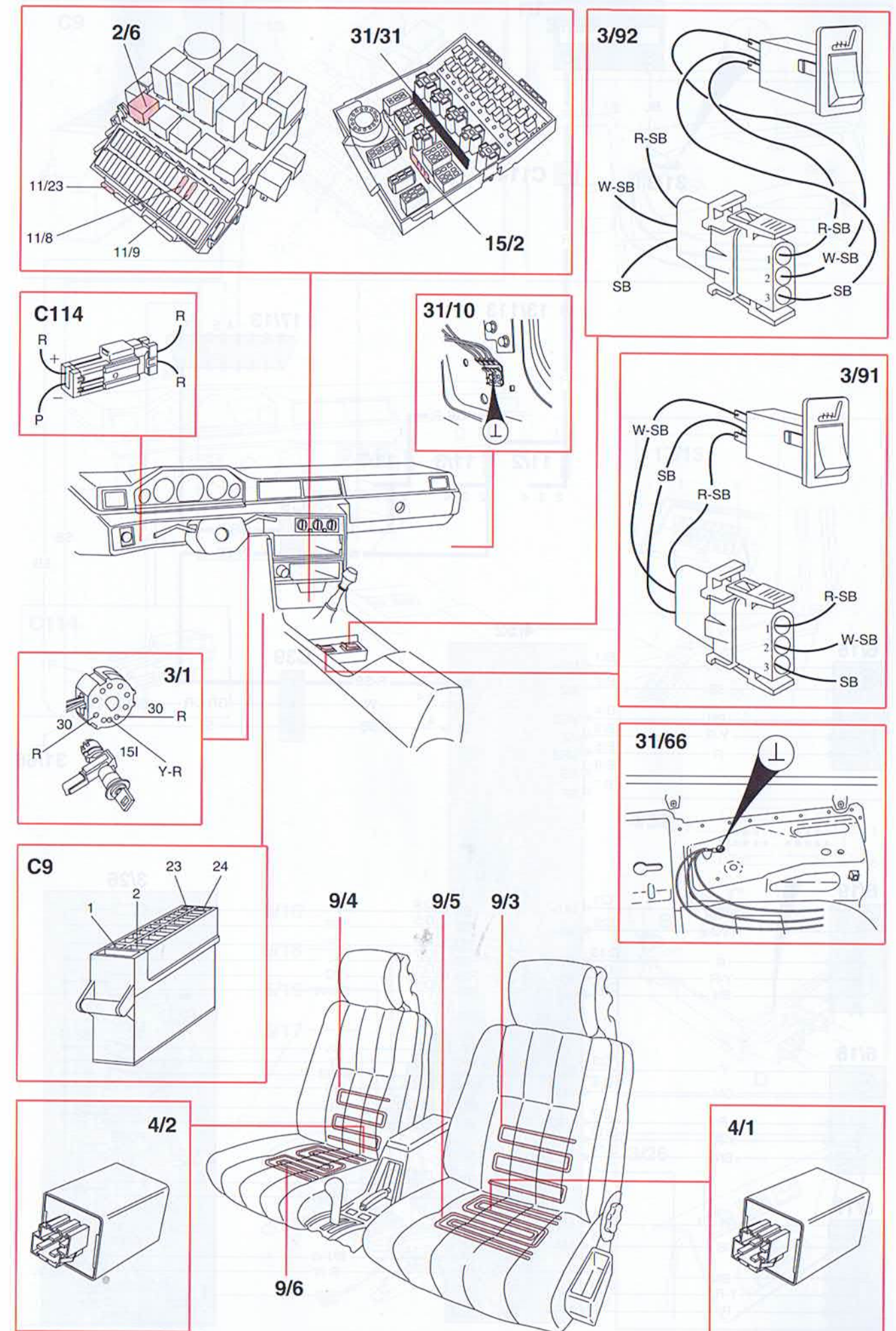
Electrically heated seats normal power

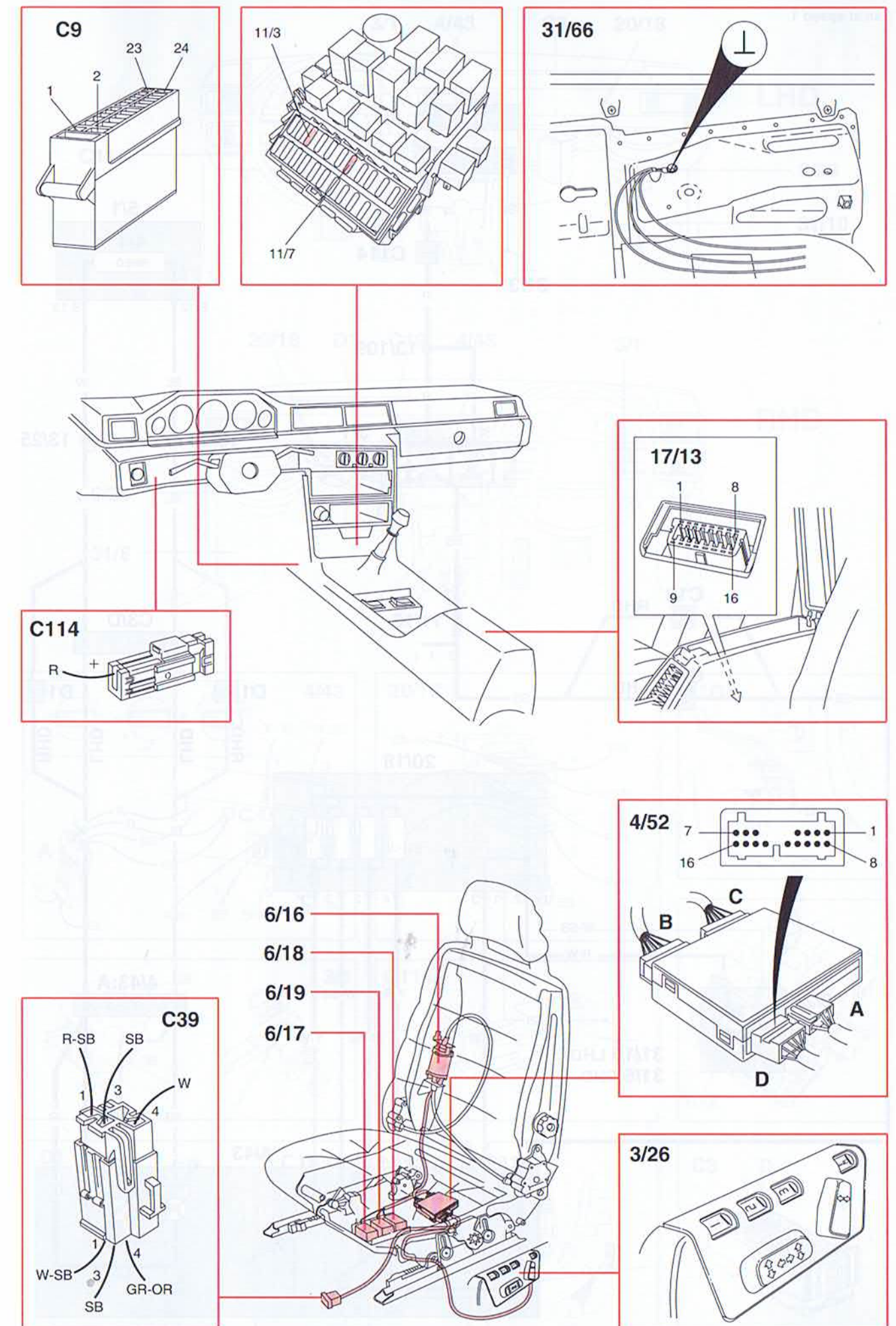
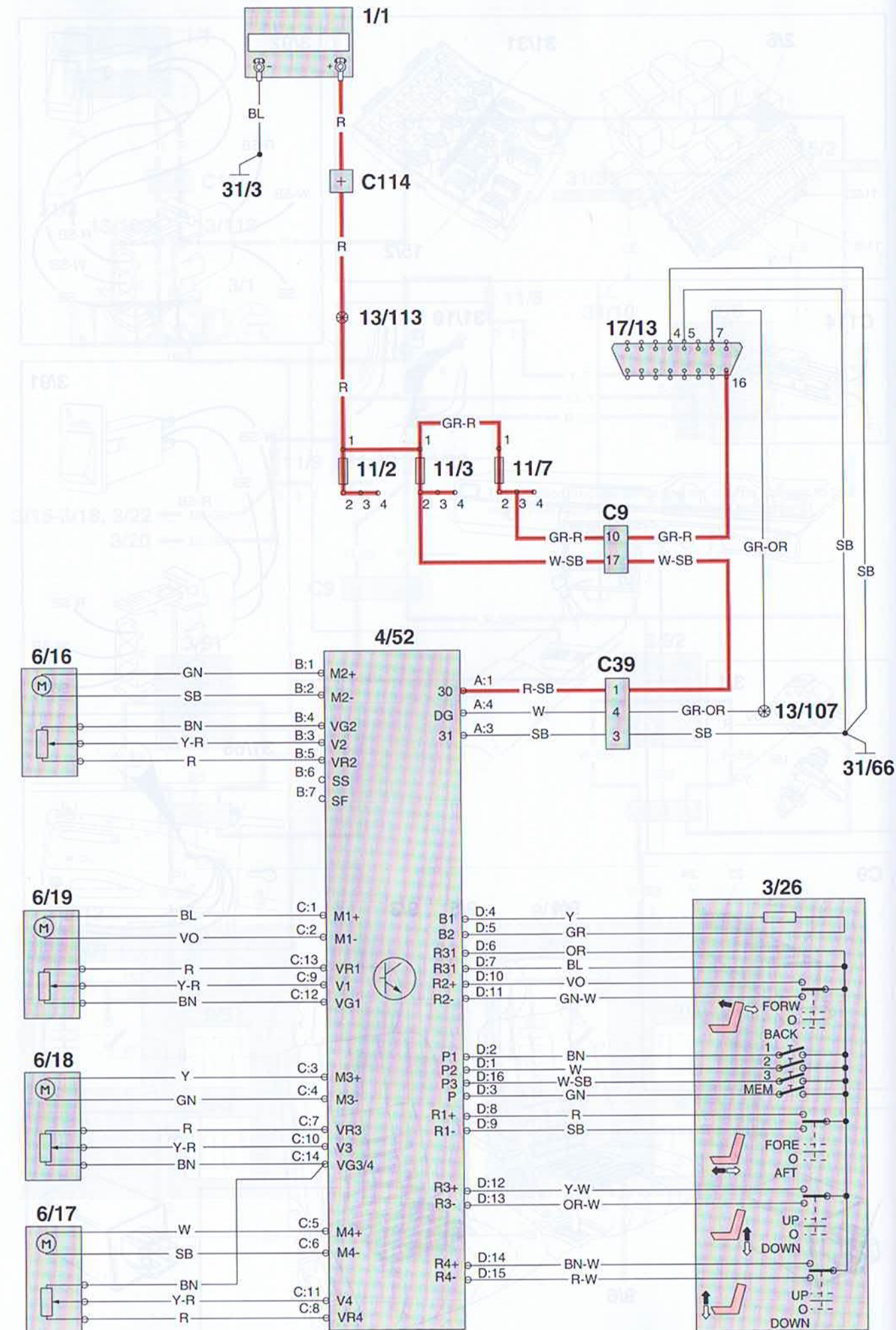


Electrically heated seats high power



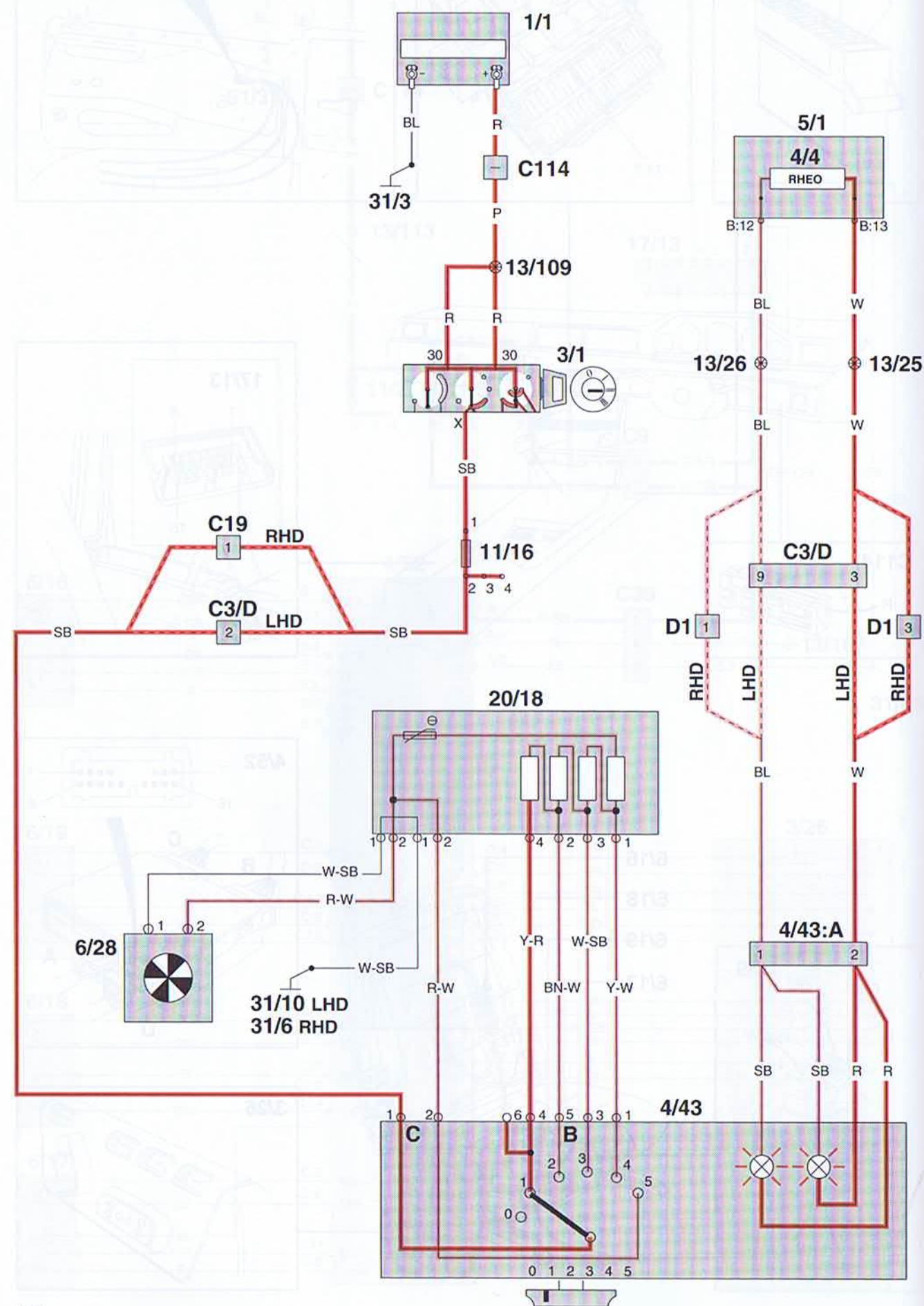
Electrically heated seats high power



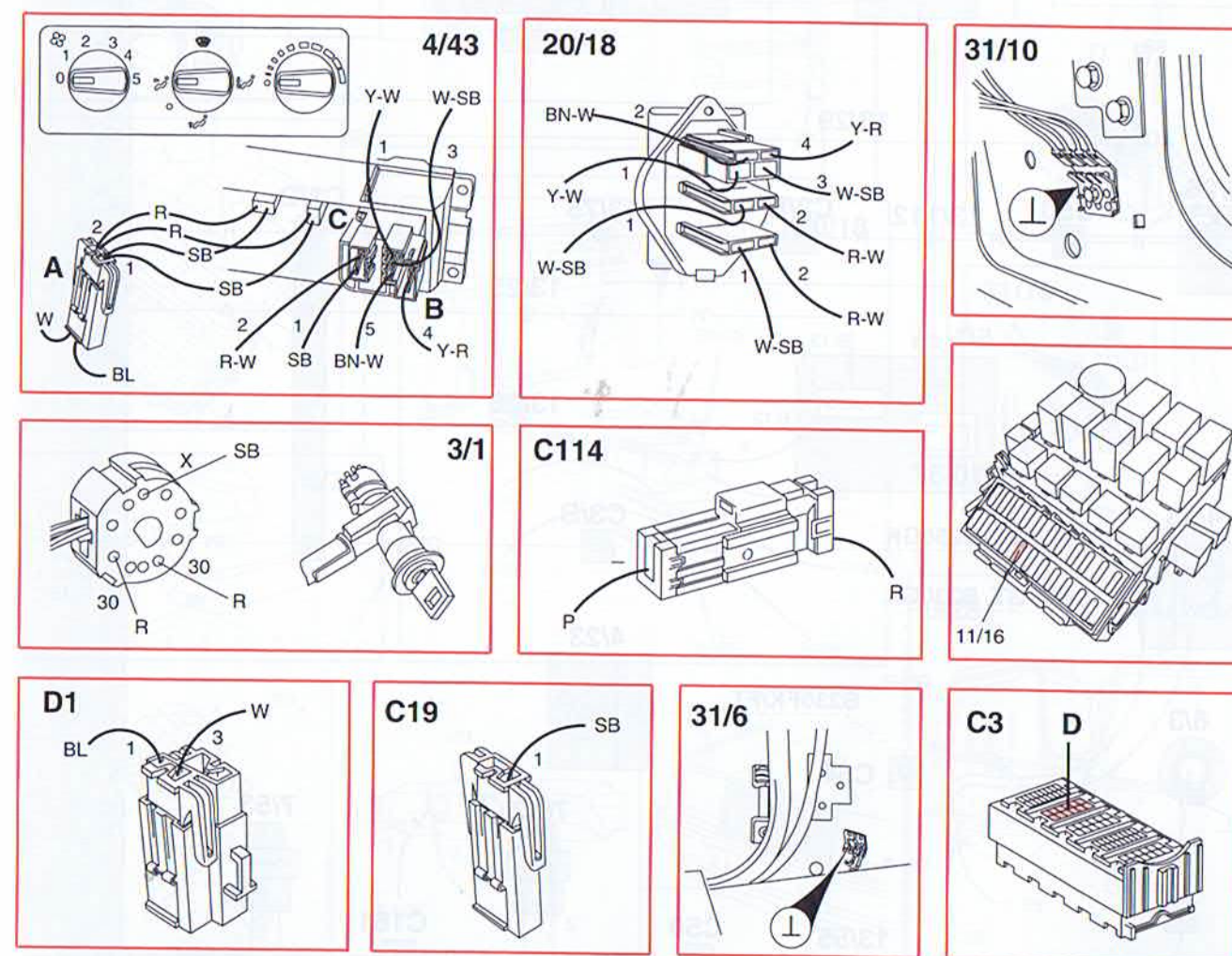
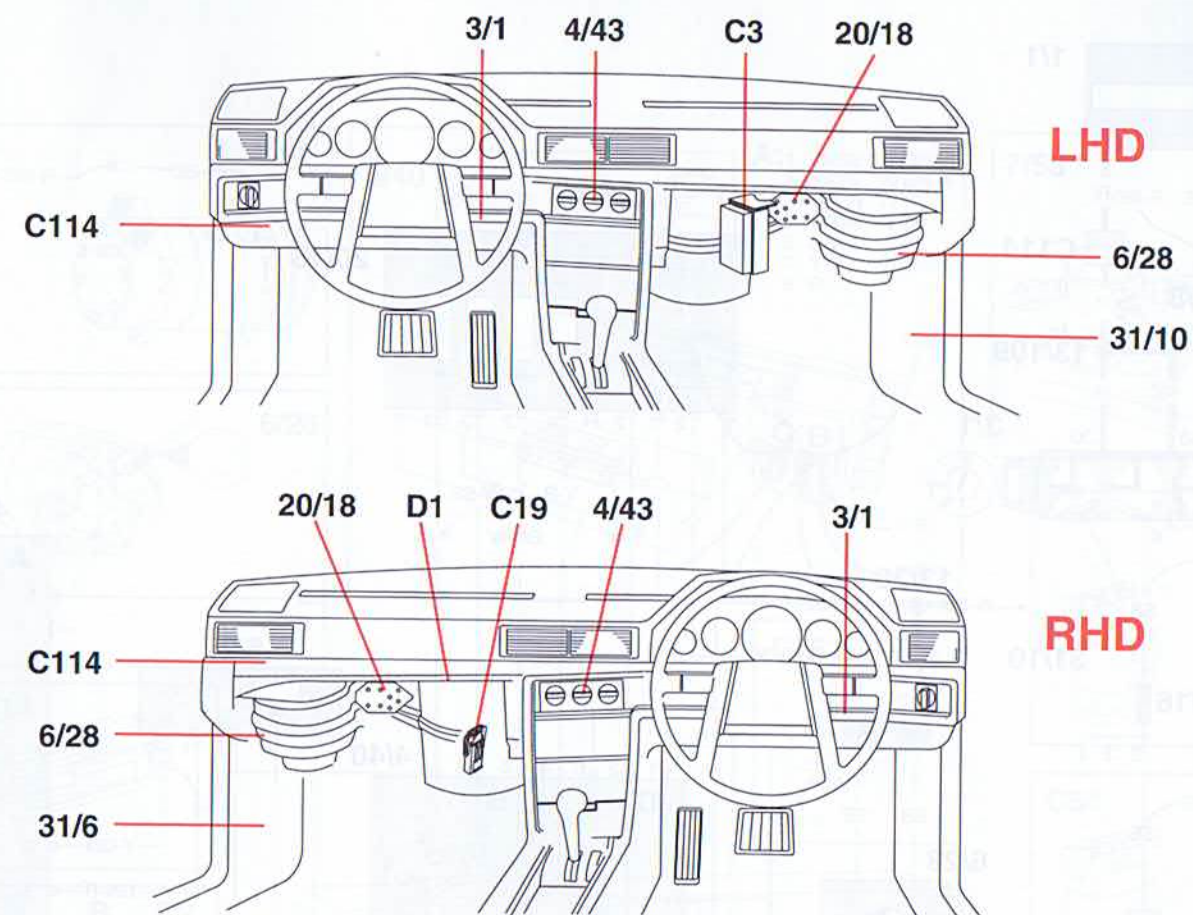


Blower Motor, standard heater

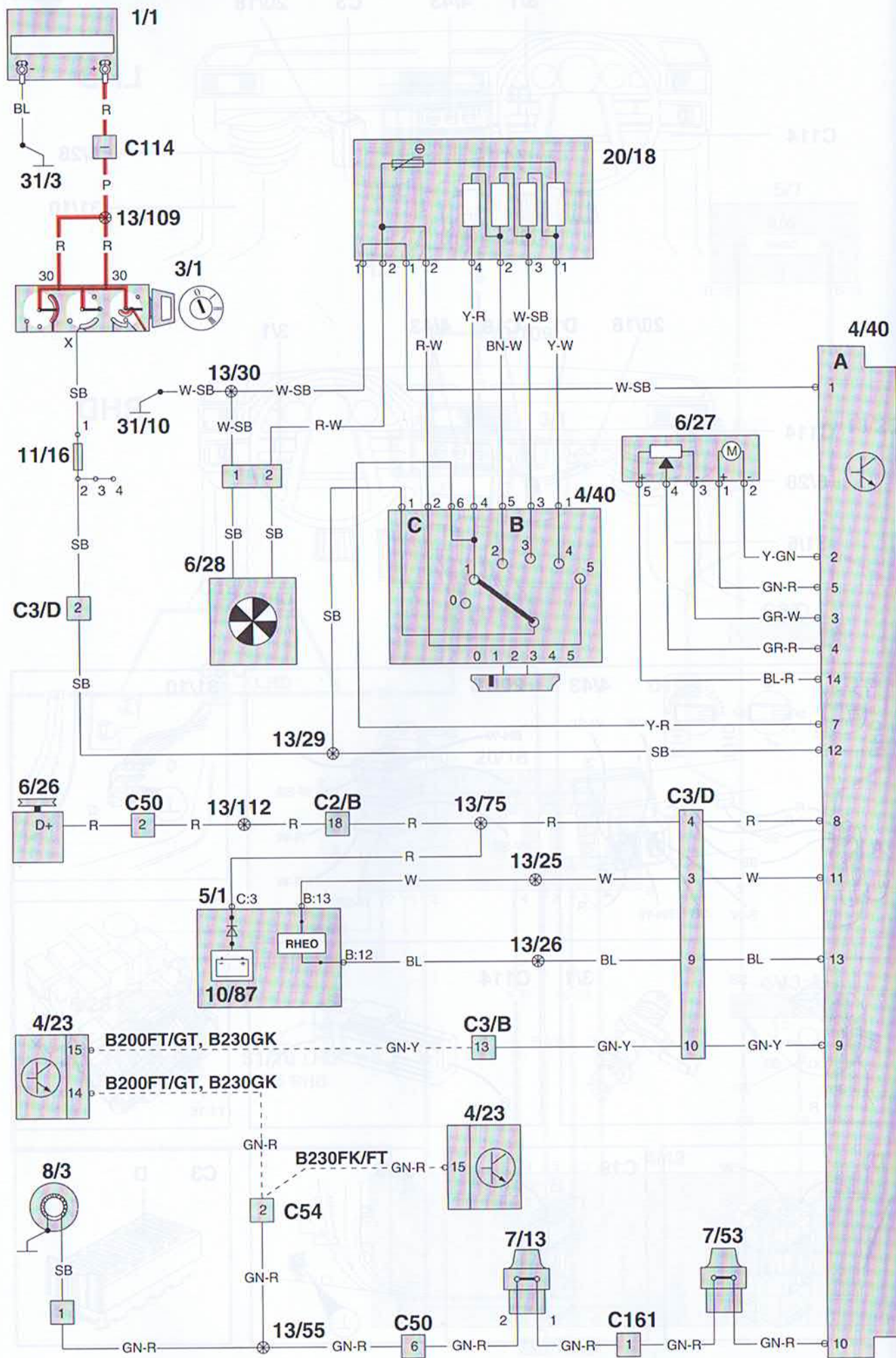
Fan at speed 1.



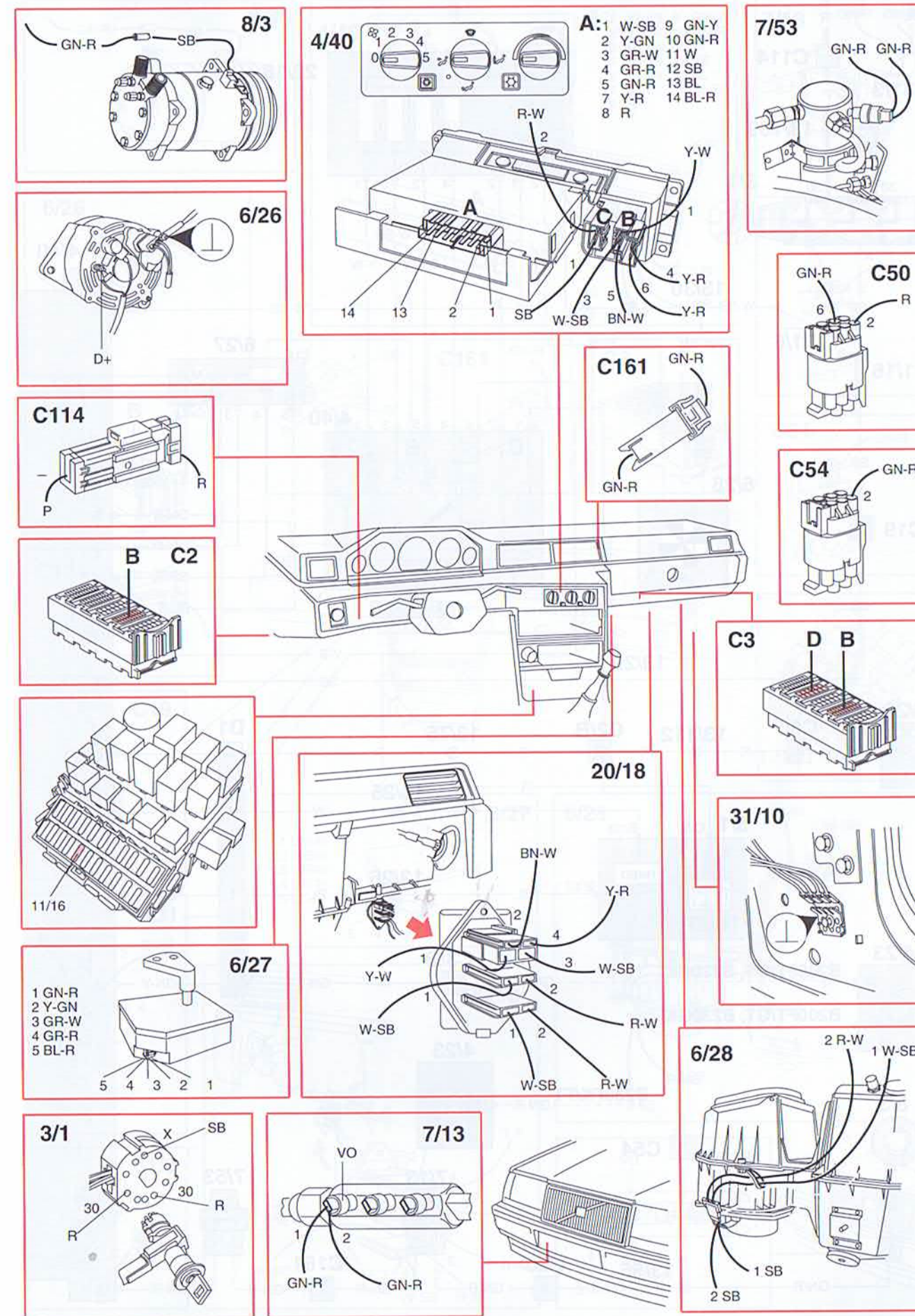
Blower Motor, standard heater



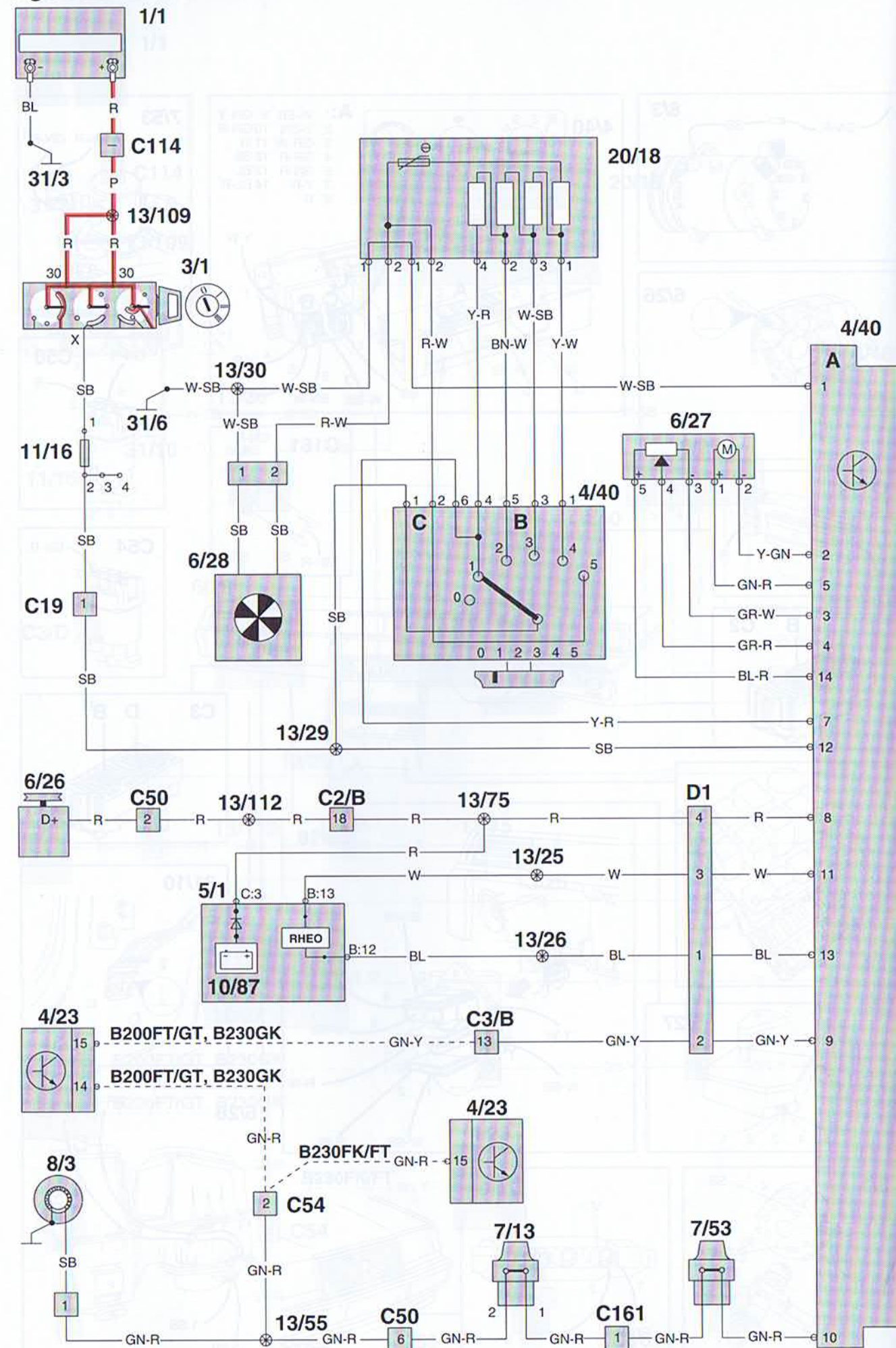
Manual Climate Control unit MCC left-hand drive cars



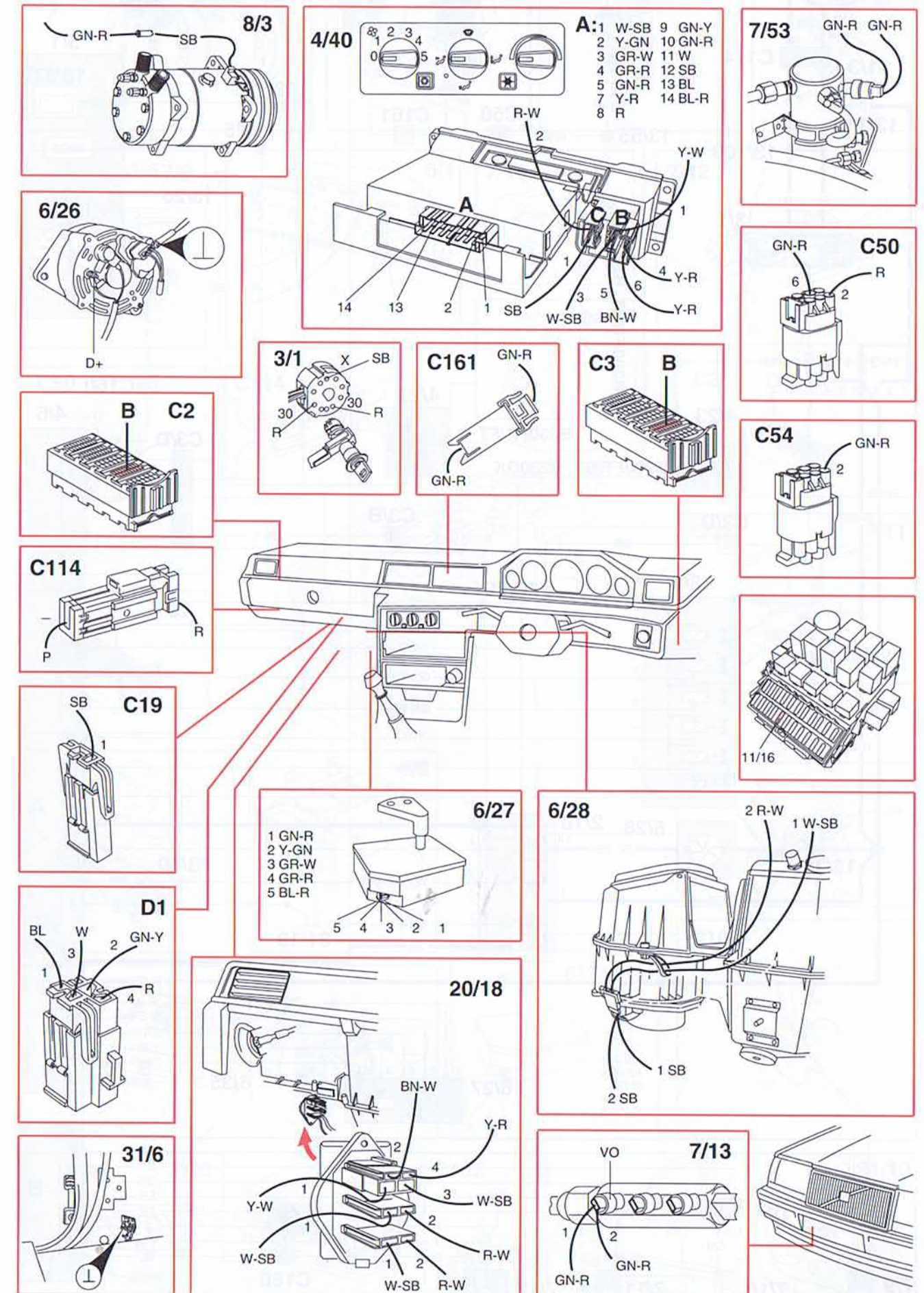
Manual Climate Control unit MCC left-hand drive cars



Manual Climate Control unit MCC right-hand drive cars



Manual Climate Control unit MCC right-hand drive cars



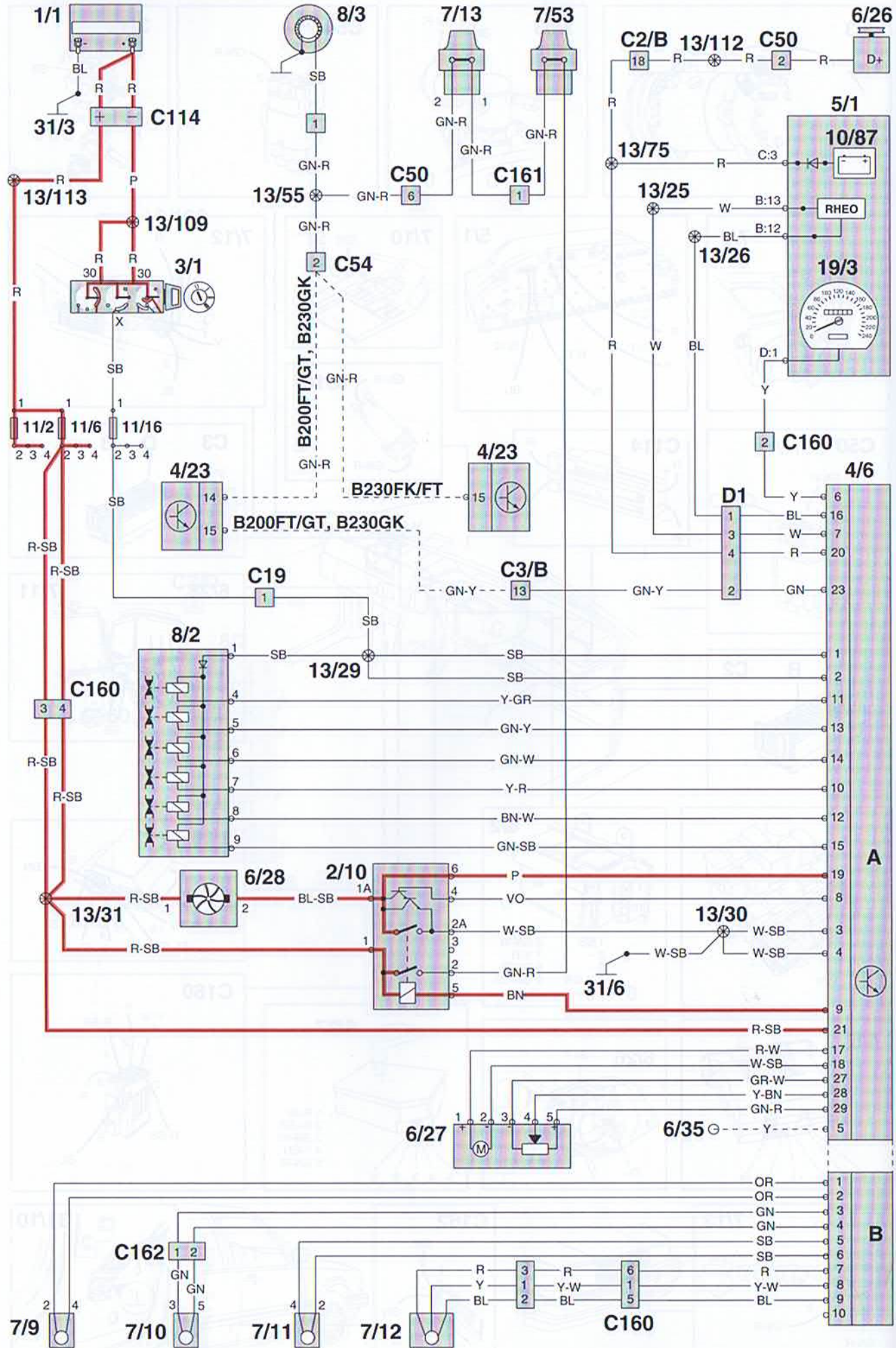
Electronic climate control ECC left-hand drive cars



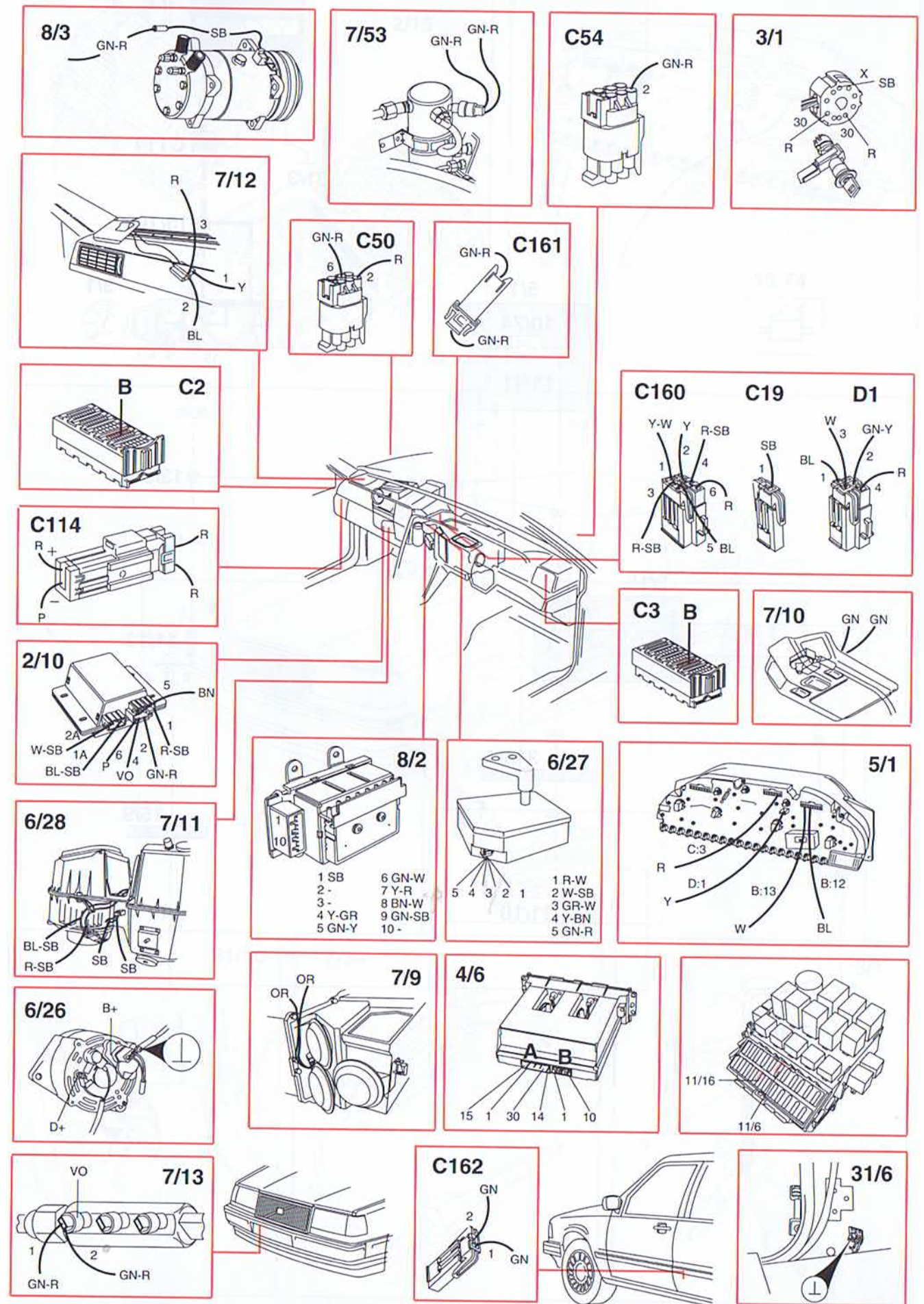
Electronic climate control ECC
left-hand drive cars



Electronic climate control ECC right-hand drive cars

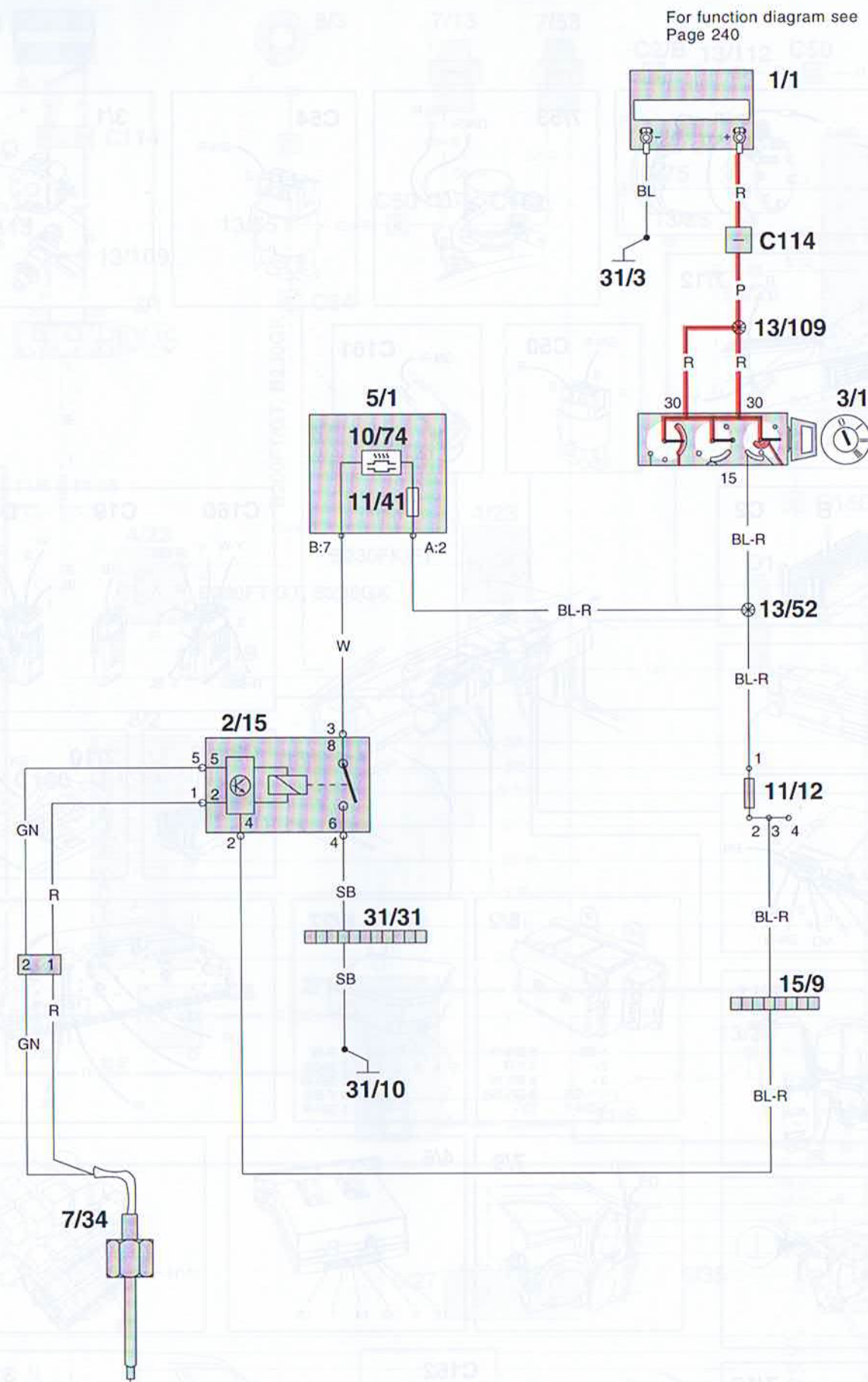


Electronic climate control ECC
right-hand drive cars

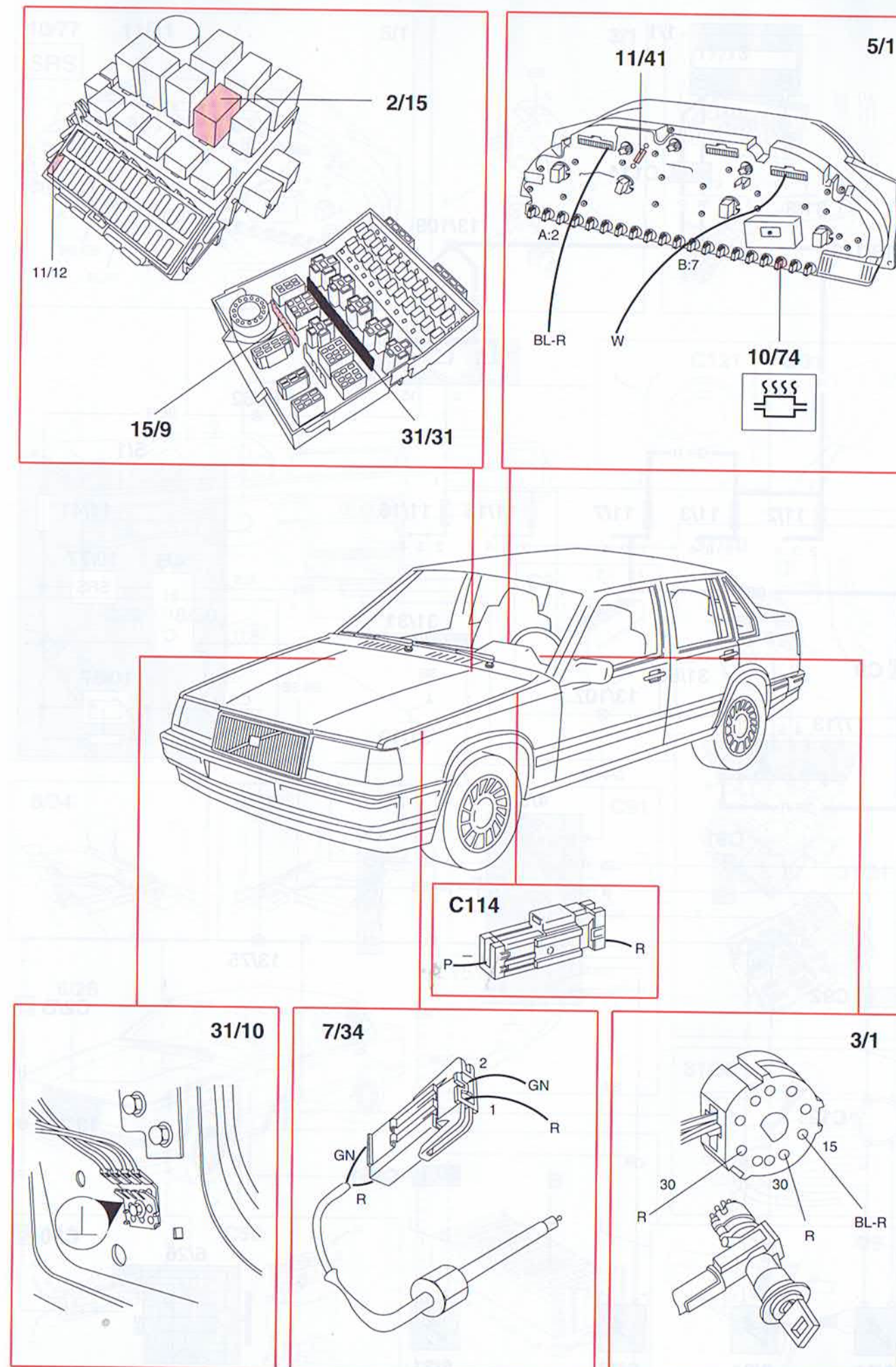


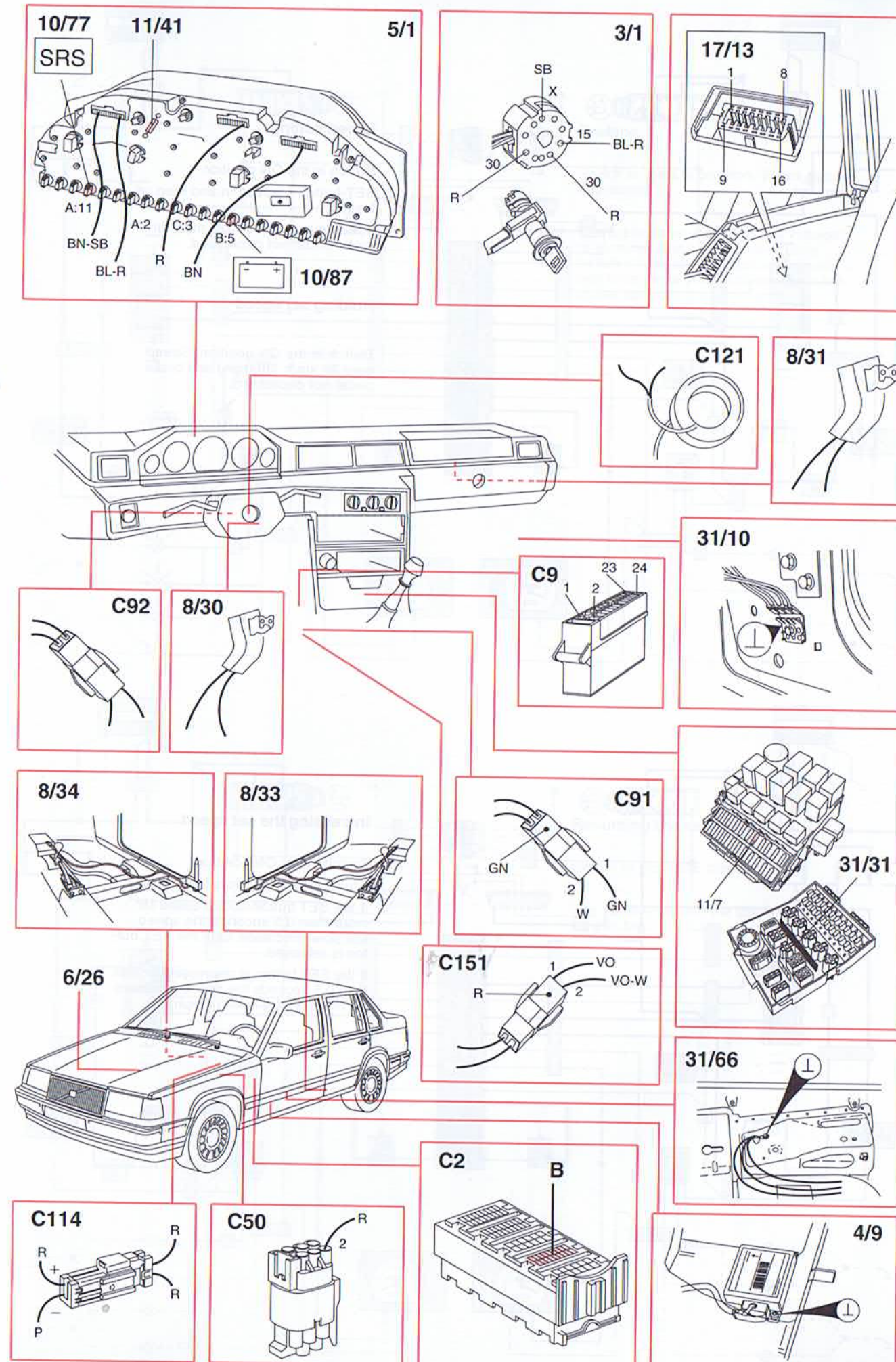
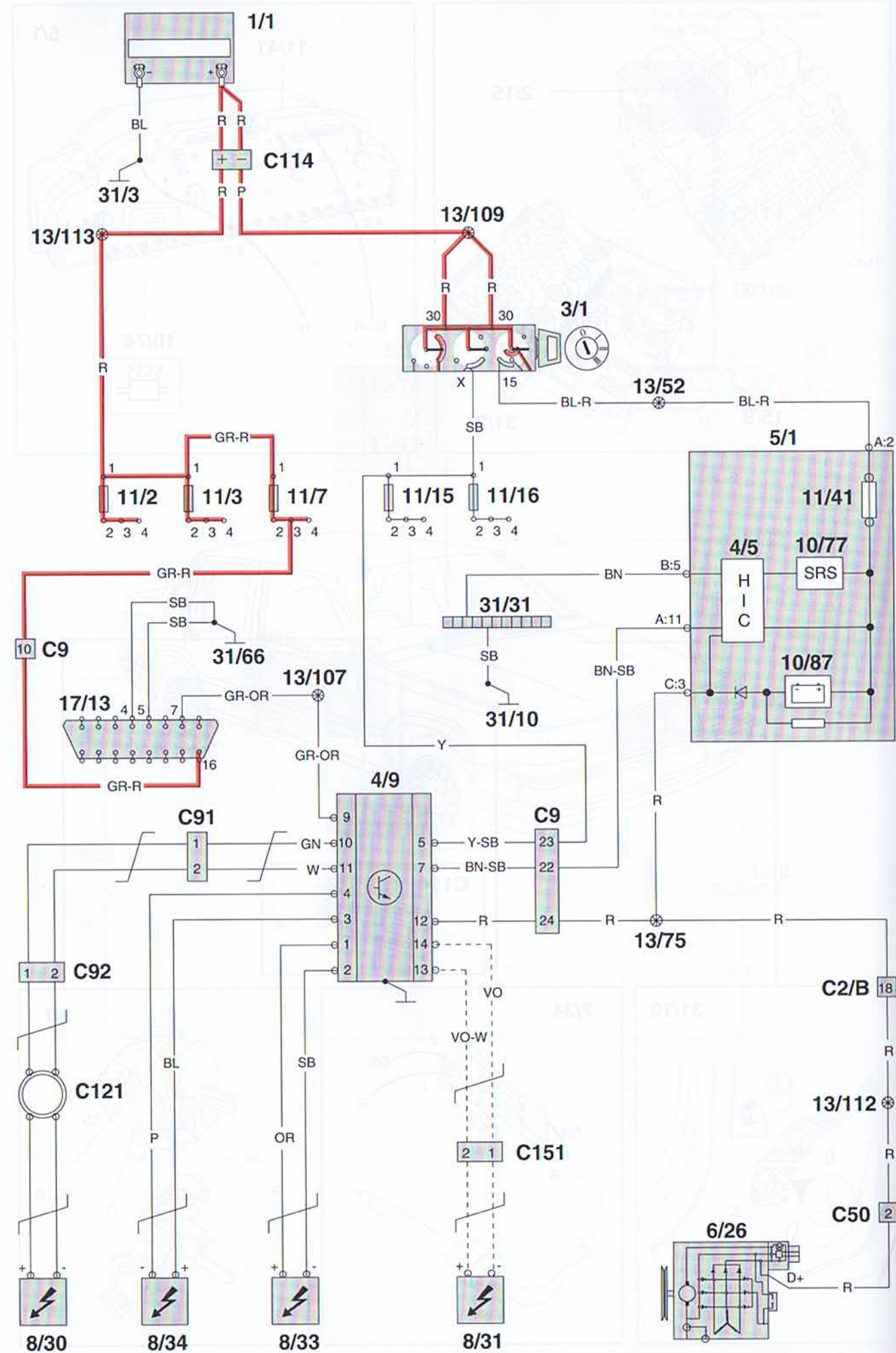
Exhaust temperature switch

For function diagram see
Page 240

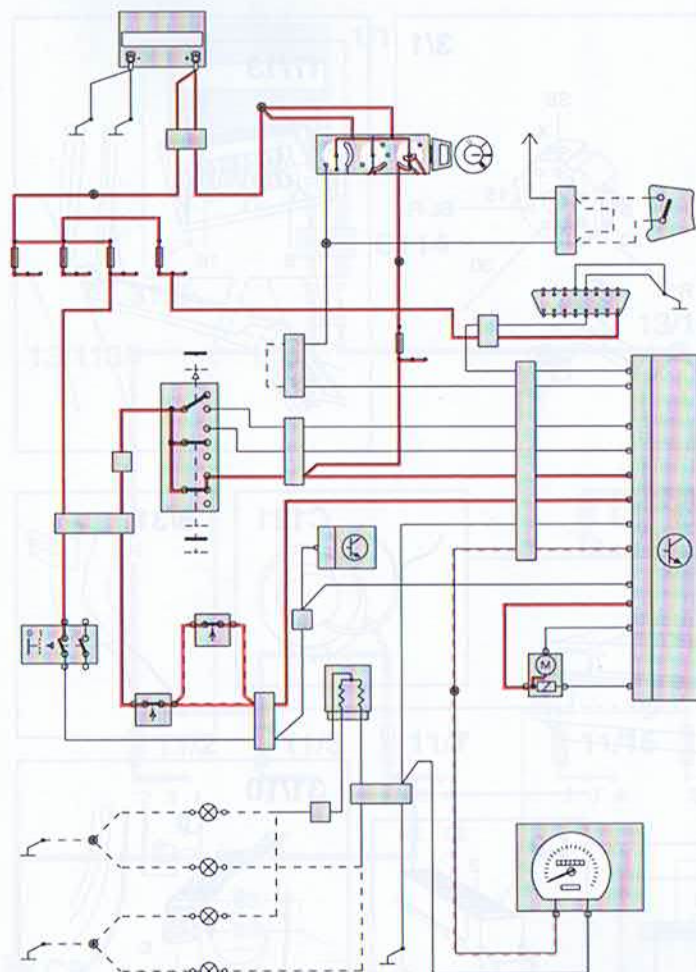


Exhaust temperature switch





Function diagrams Cruise control



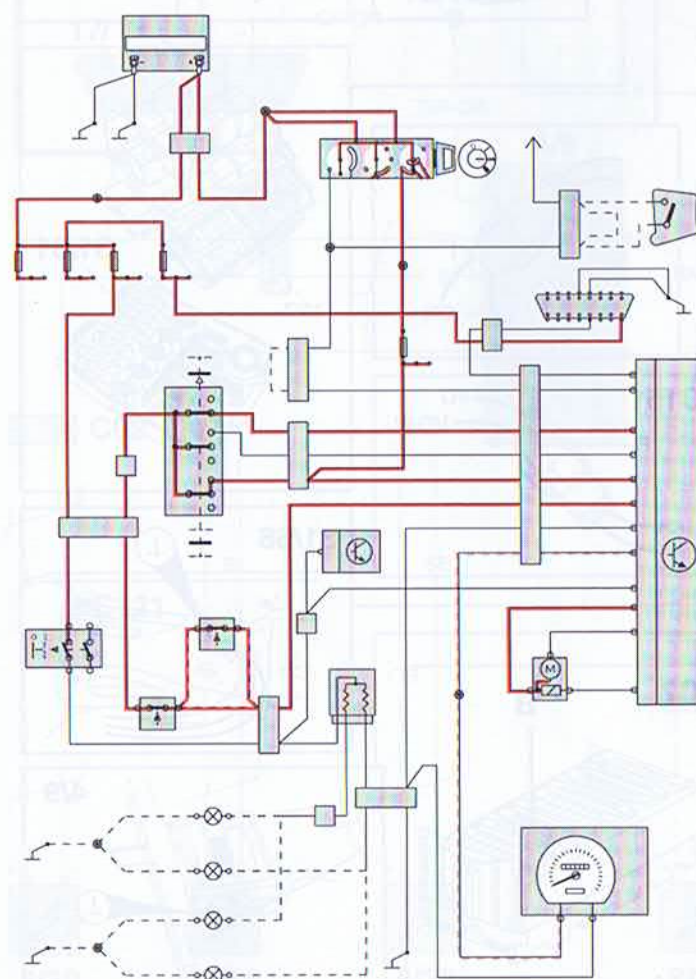
Speed setting

Switch in the ON position
SET-button pressed in and then re-
leased.

Speed over 35 km/h (20 mph) and
brake pedal not depressed.

Holding set speed

Switch in the ON position. Speed
over 35 km/h (20 mph) and brake
pedal not depressed.



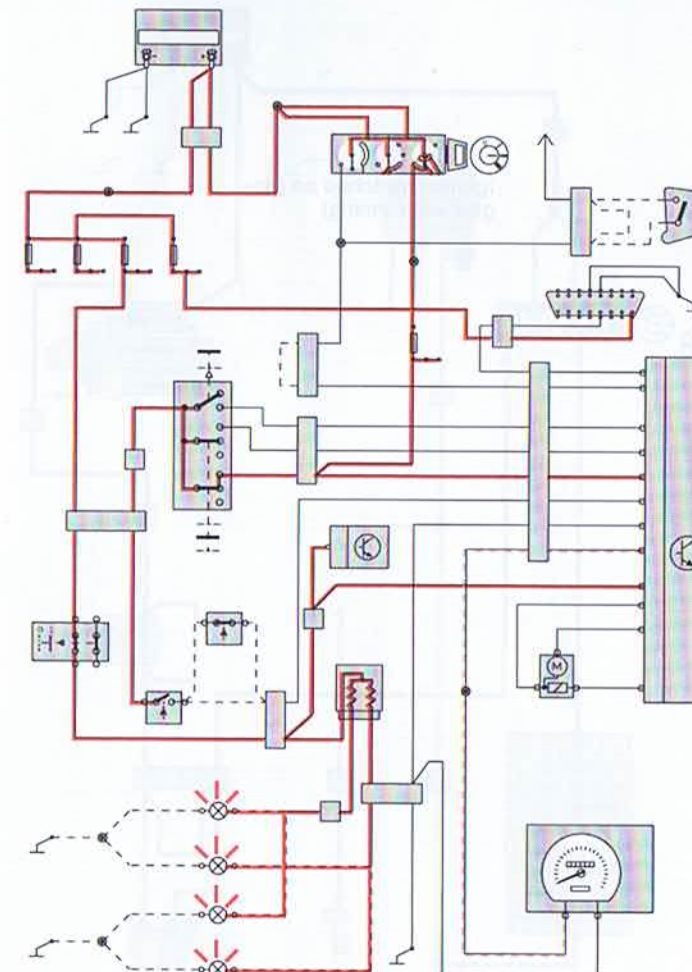
Increasing the set speed

Switch in the ON position
Cruise control controls the throttle.

If the SET button is depressed for
more than 0.5 seconds the speed
will slowly increase until the SET but-
ton is released.

If the SET button is depressed for less
than 0.5 seconds the speed increases
by less than 1.6 km/h (1 mph).

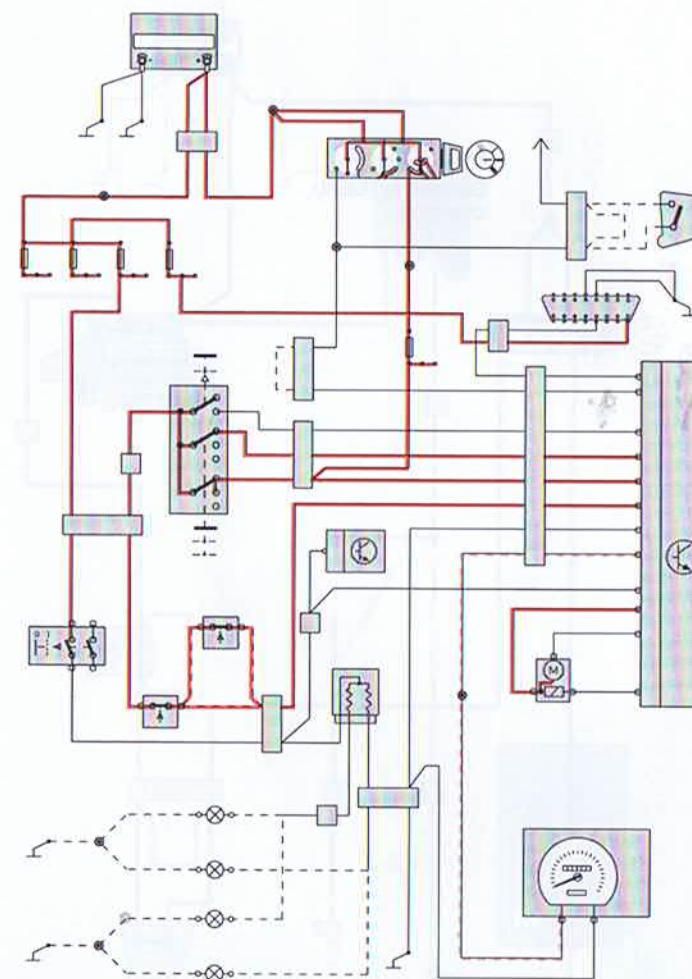
Function diagrams Cruise control



Braking

Switch in the ON position. Brake pedal
depressed.

The brake valve interrupts the voltage
to terminal 3 and stop (brake) lamp
switch closes and applies battery volt-
age to terminal 7. This disconnects the
cruise control.

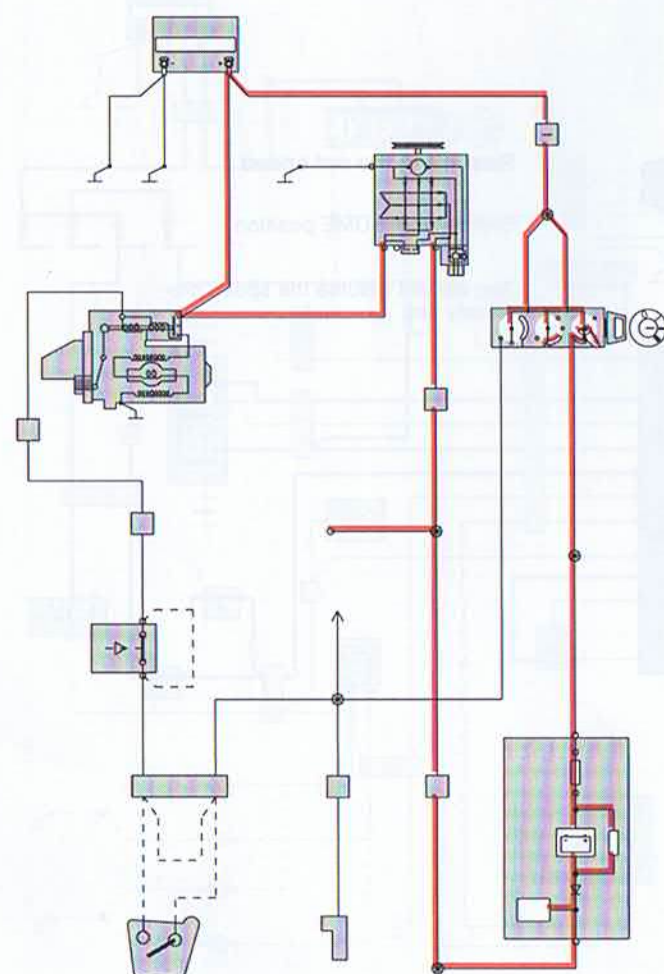
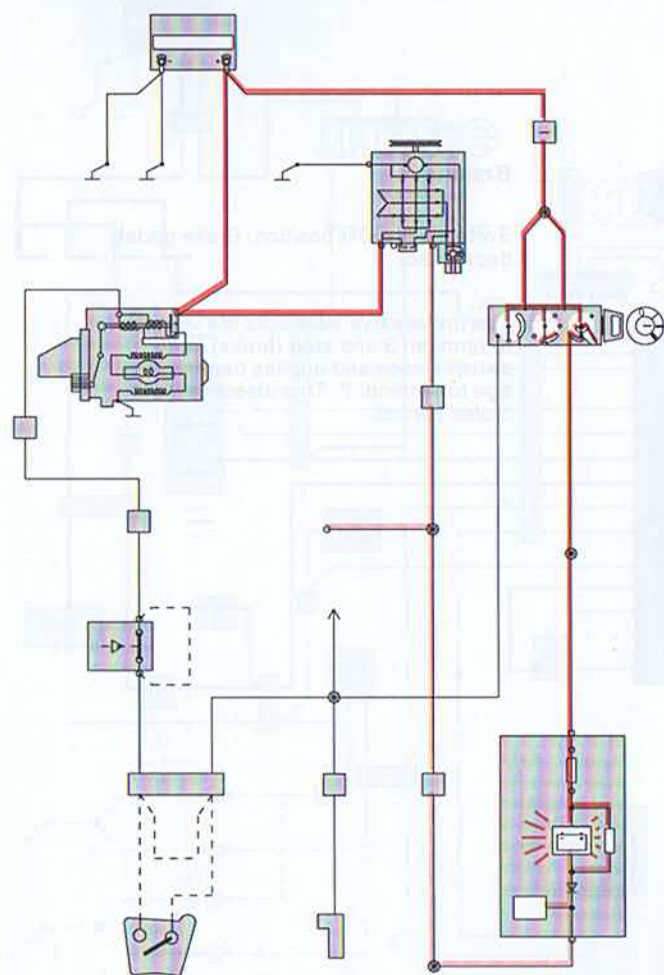


Resuming the set speed

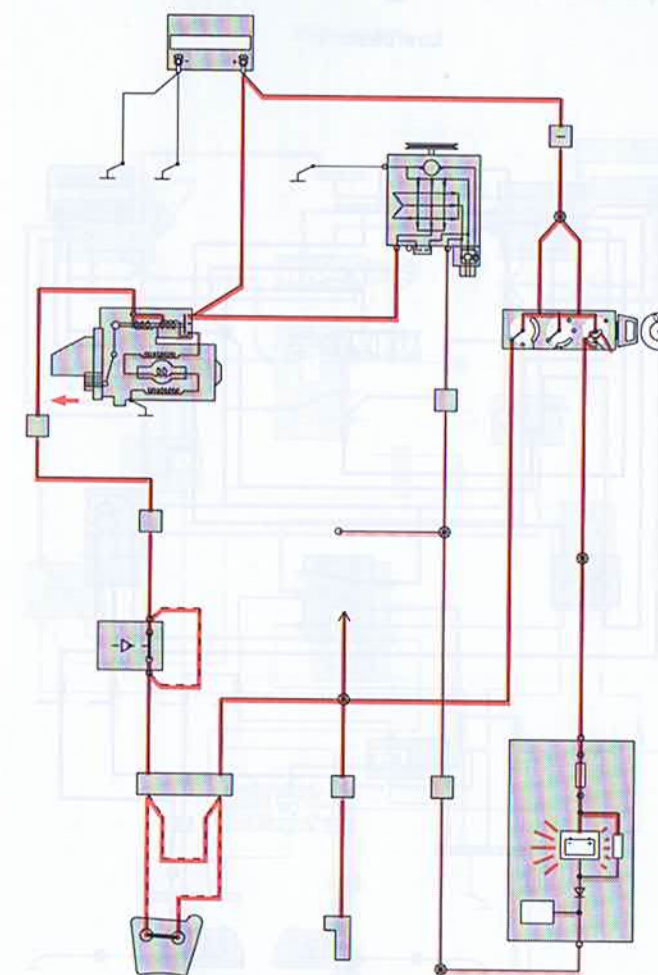
Switch in RESUME position.

The car will resume the speed pre-
viously set.

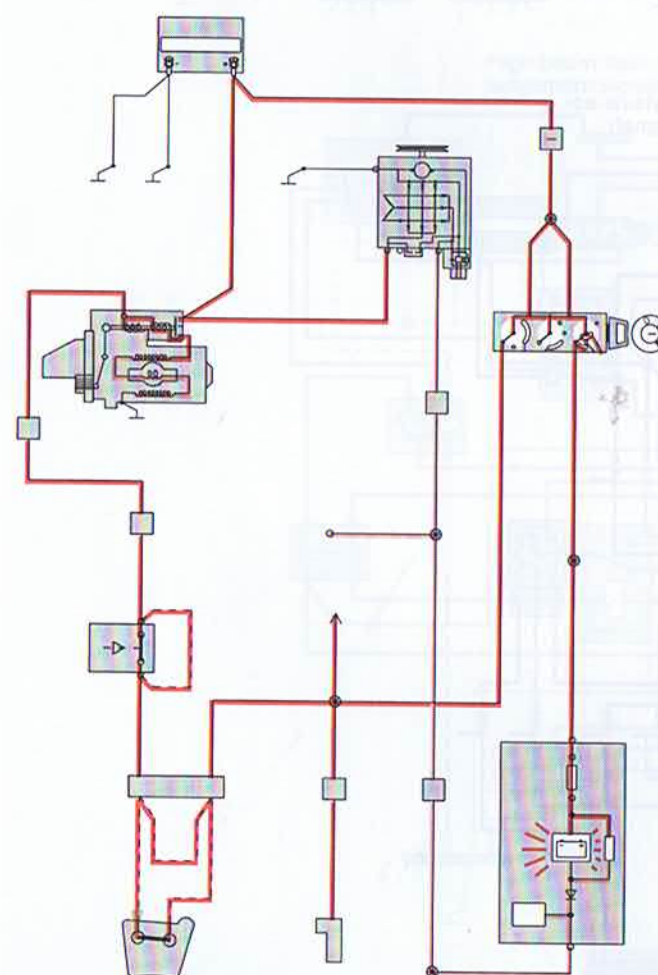
Function diagrams Power supply



Function diagram Starter system



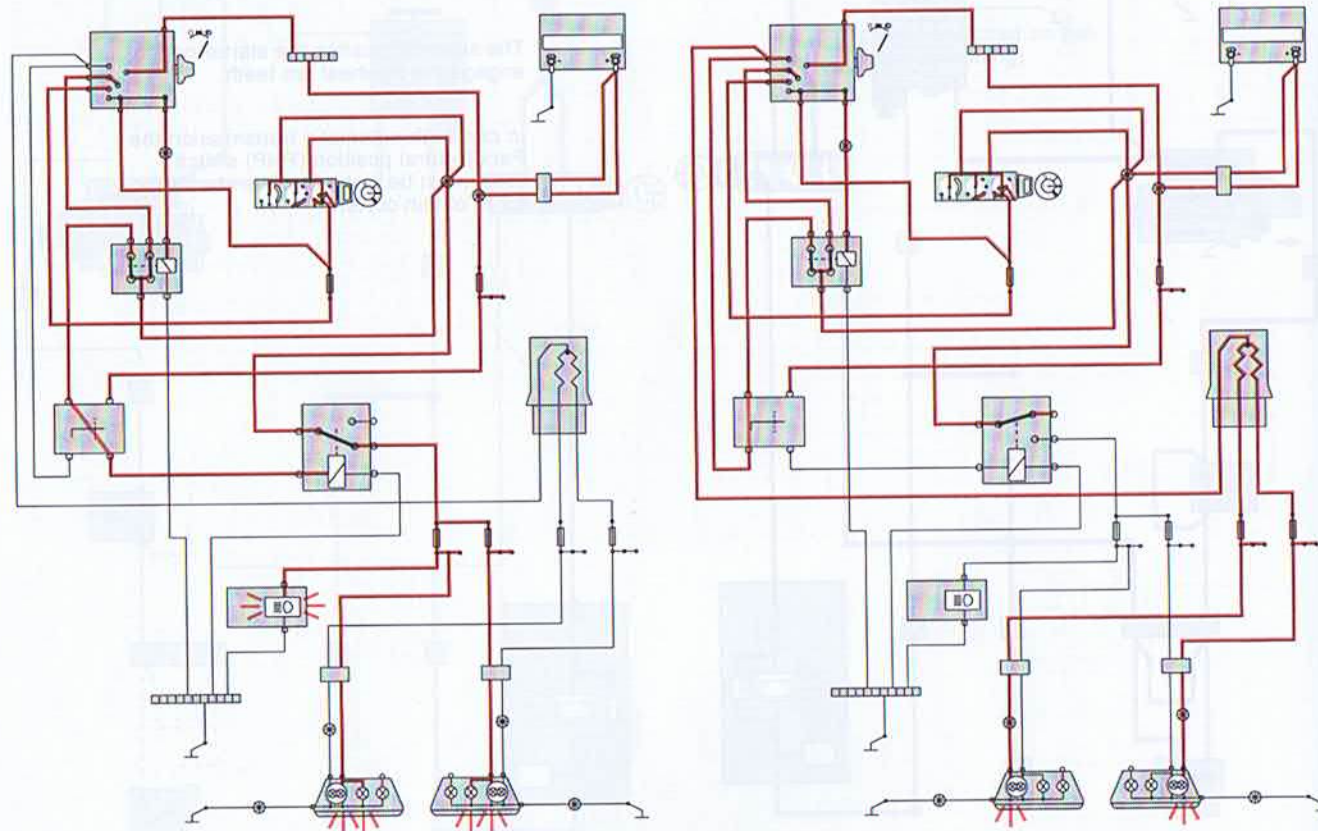
In cars with automatic transmission the Park/Neutral position (PNP) switch, 3/40, must be closed for the starter motor to obtain current.



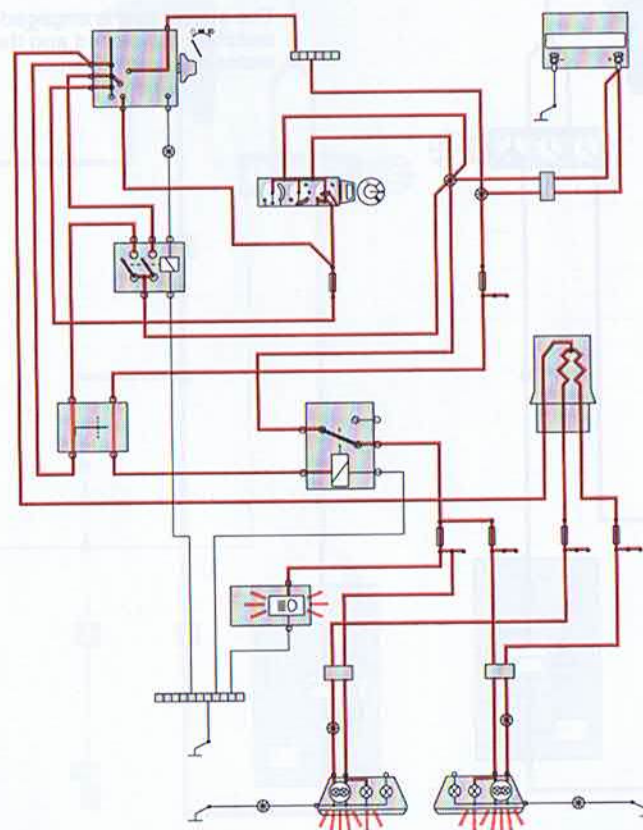
Function diagrams High and Low beam Nordic countries, Holland, Belgium

High beam

Low beam



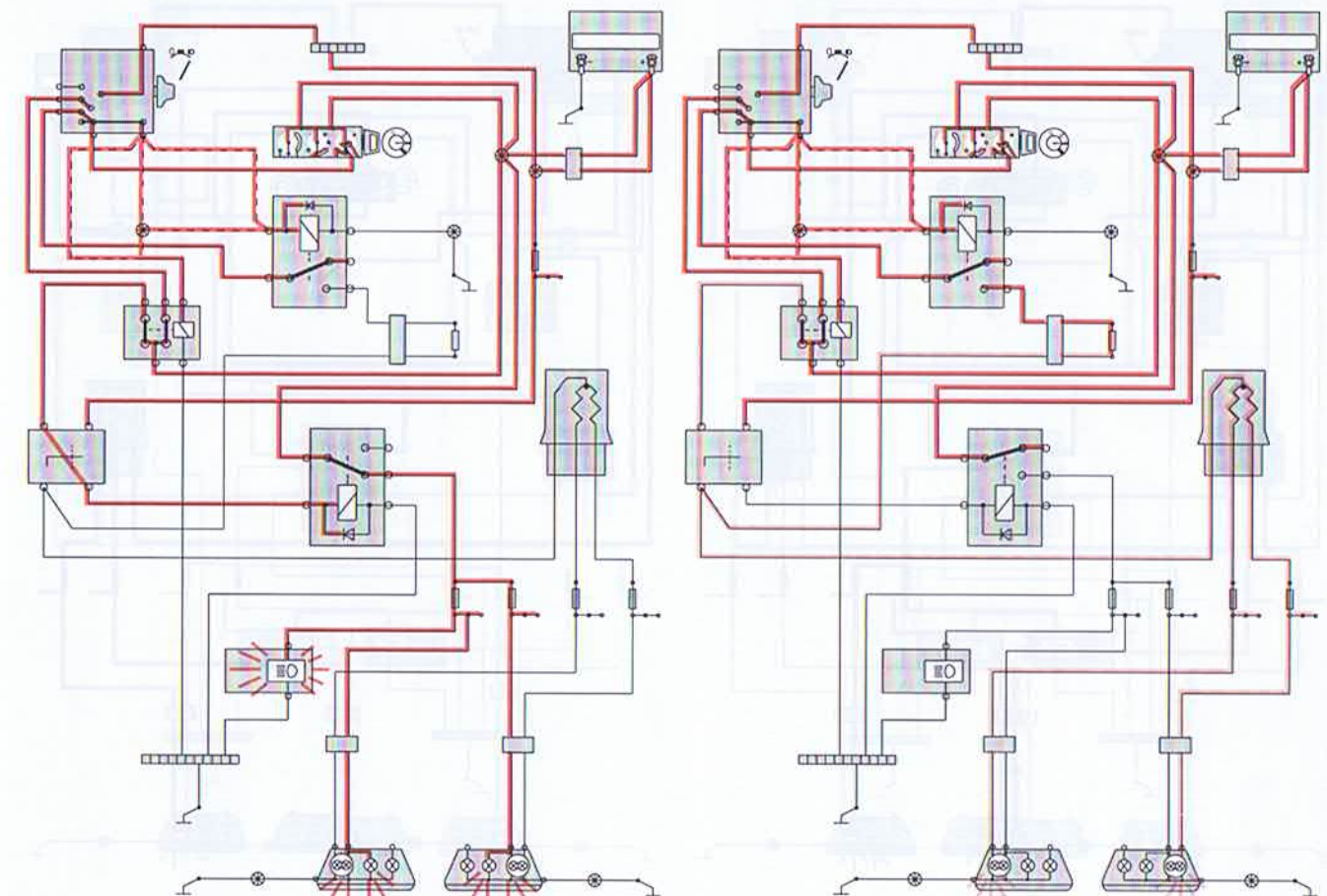
High beam flash (visual acknowledgement signal)



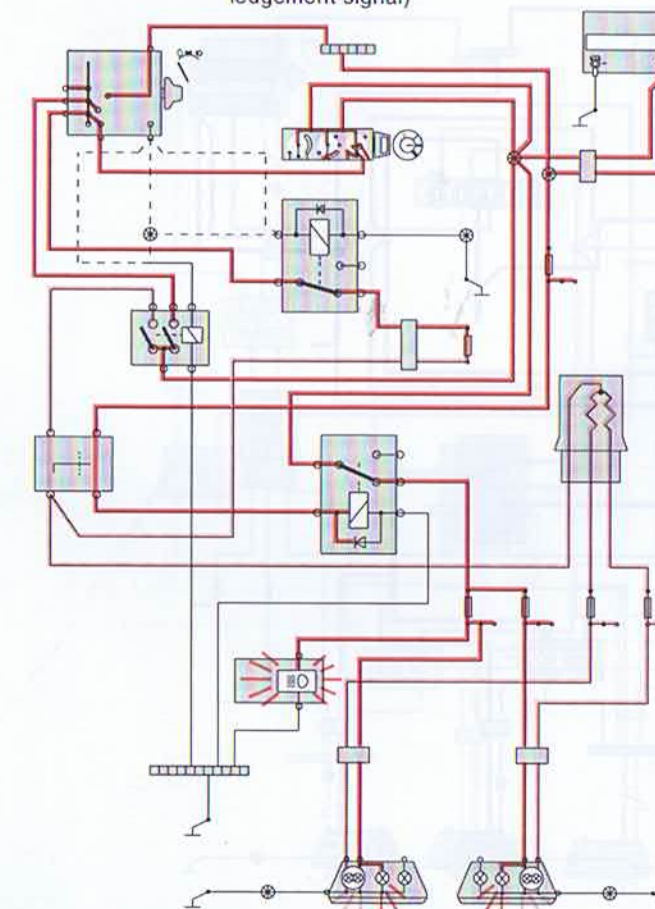
Function diagrams High and low beam Great Britain

High beam

Low beam



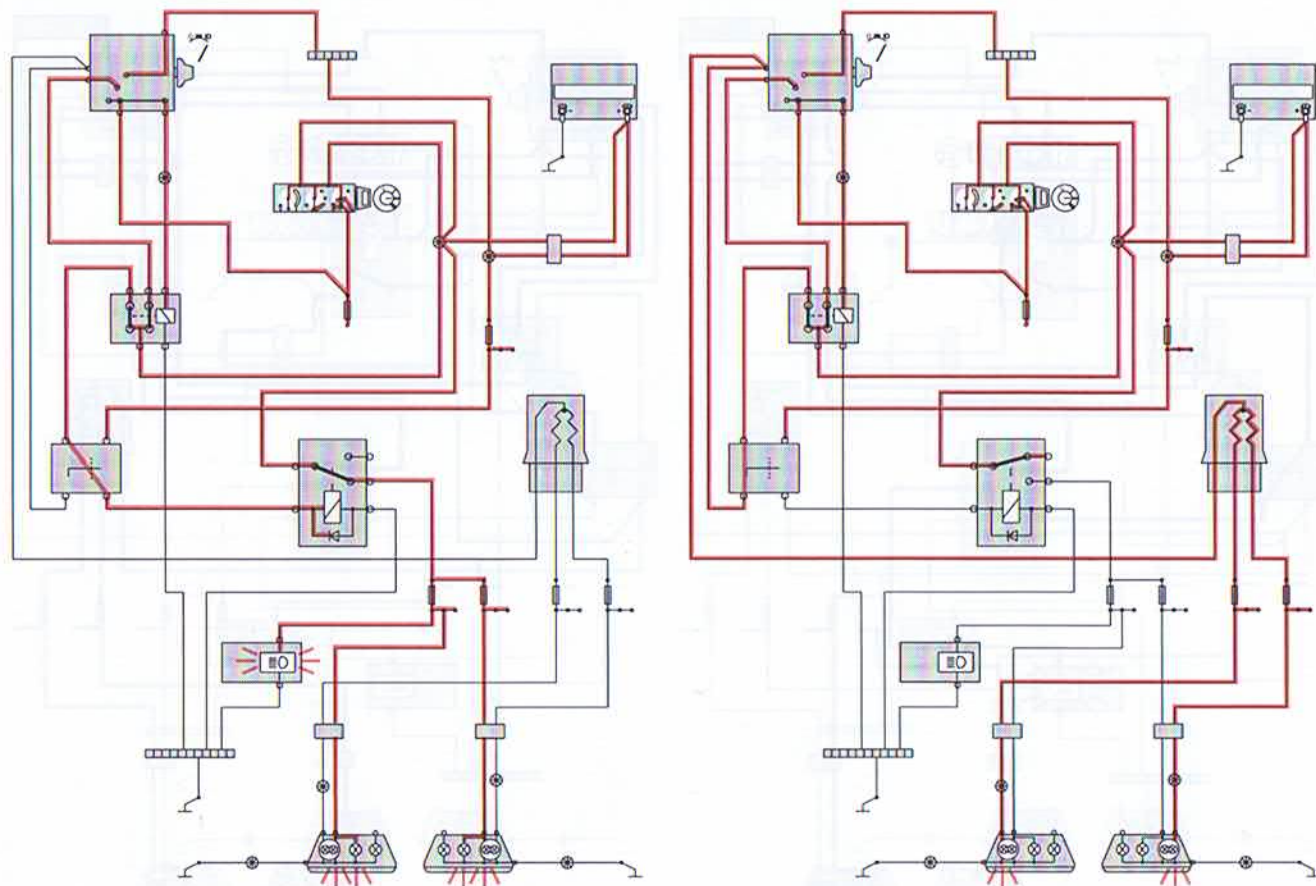
High beam flash (visual acknowledgement signal)



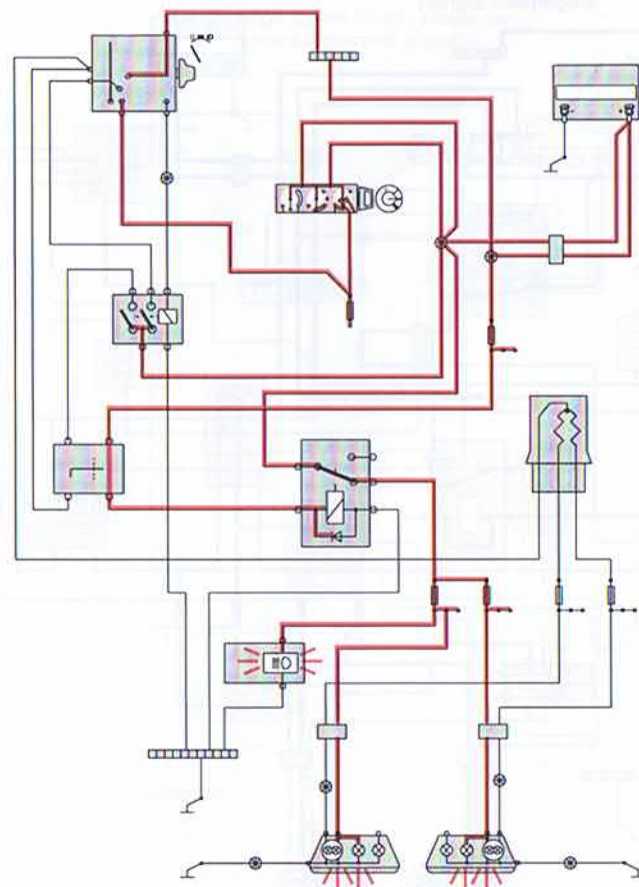
Function diagrams High and Low beams, left-hand drive cars

High beam

Low beam



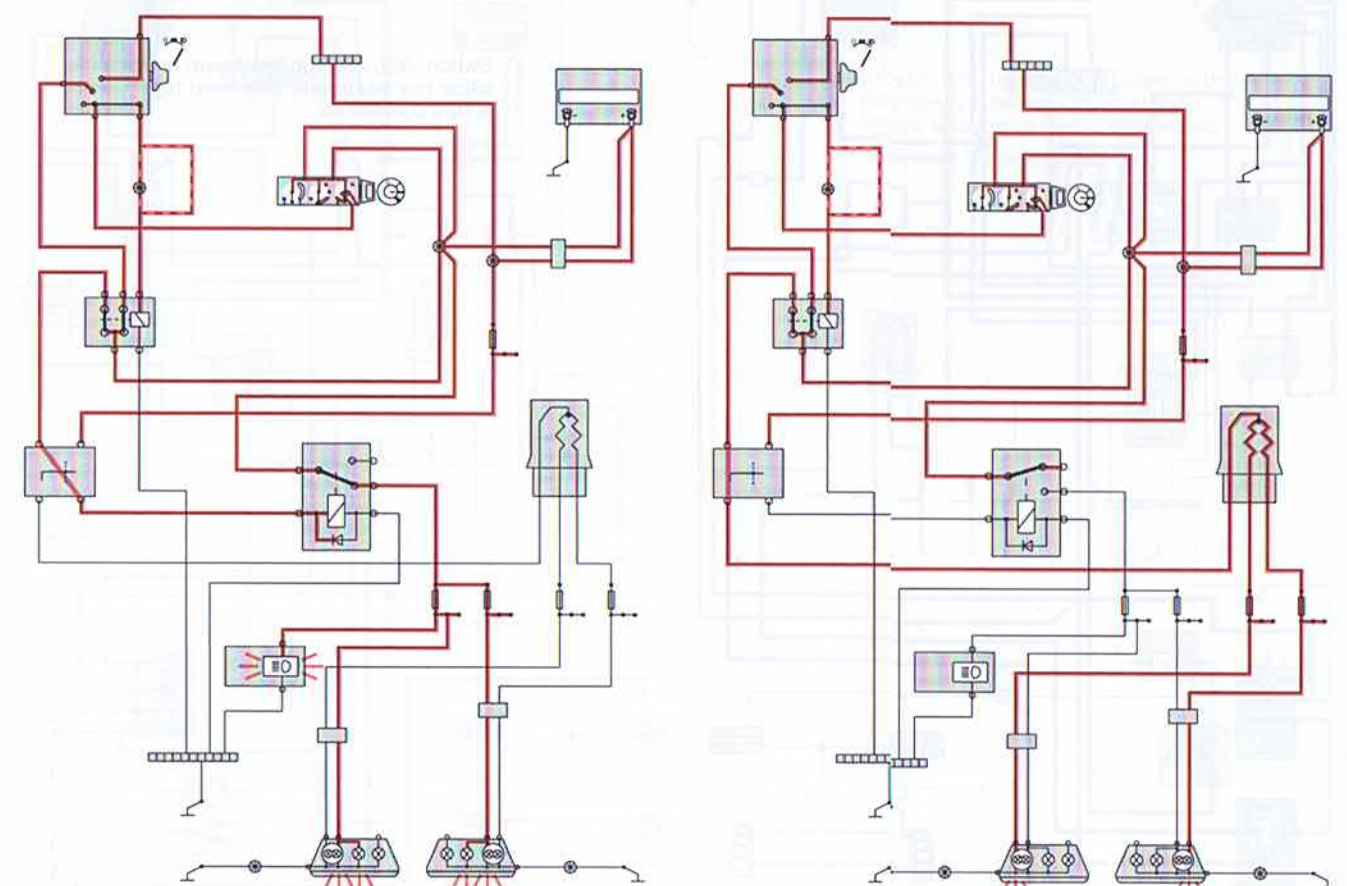
High beam flash (visual acknowledgement signal)



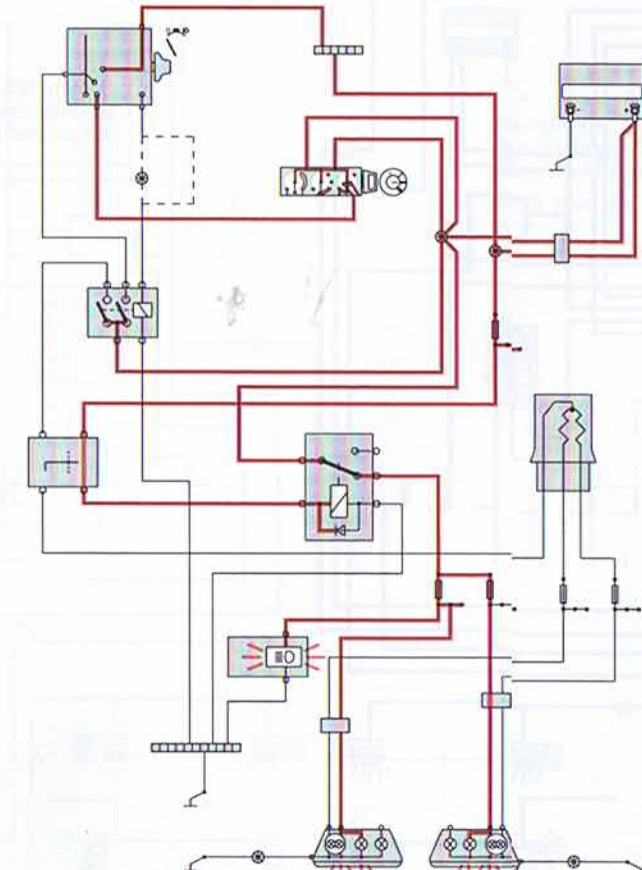
Function diagrams High and Low beams, right-hand drive cars

High beam

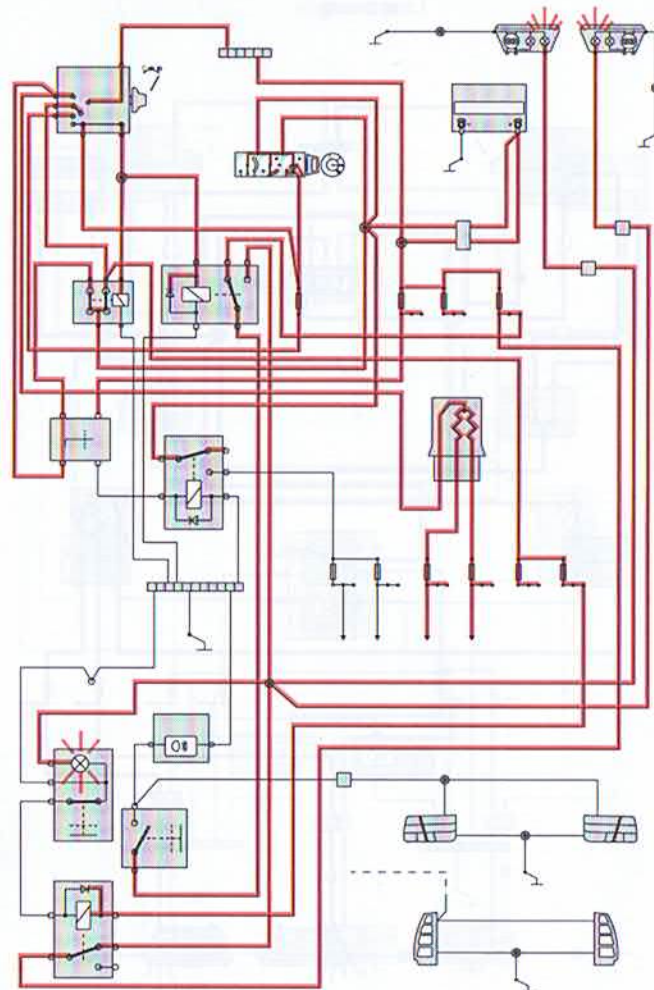
Low beam



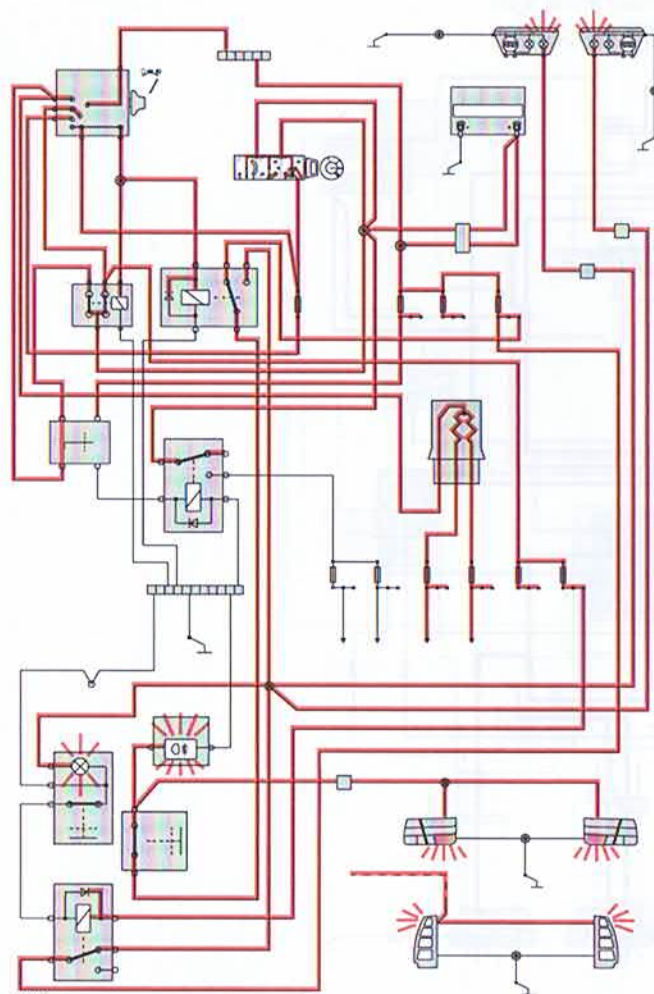
High beam flash (visual acknowledgement signal)



Function diagrams Foglamps Sweden, early version 1997

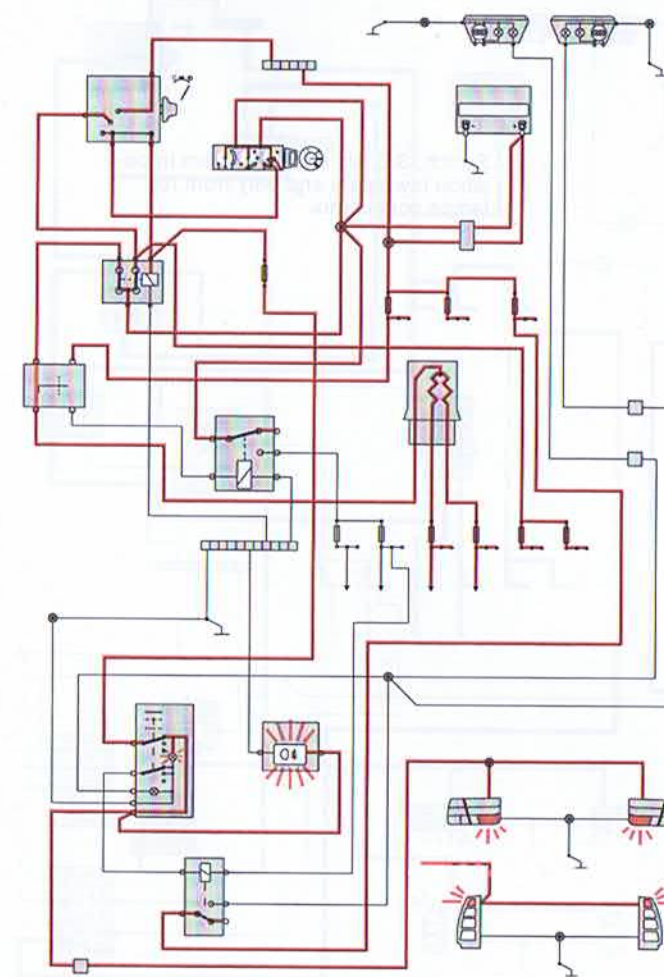


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

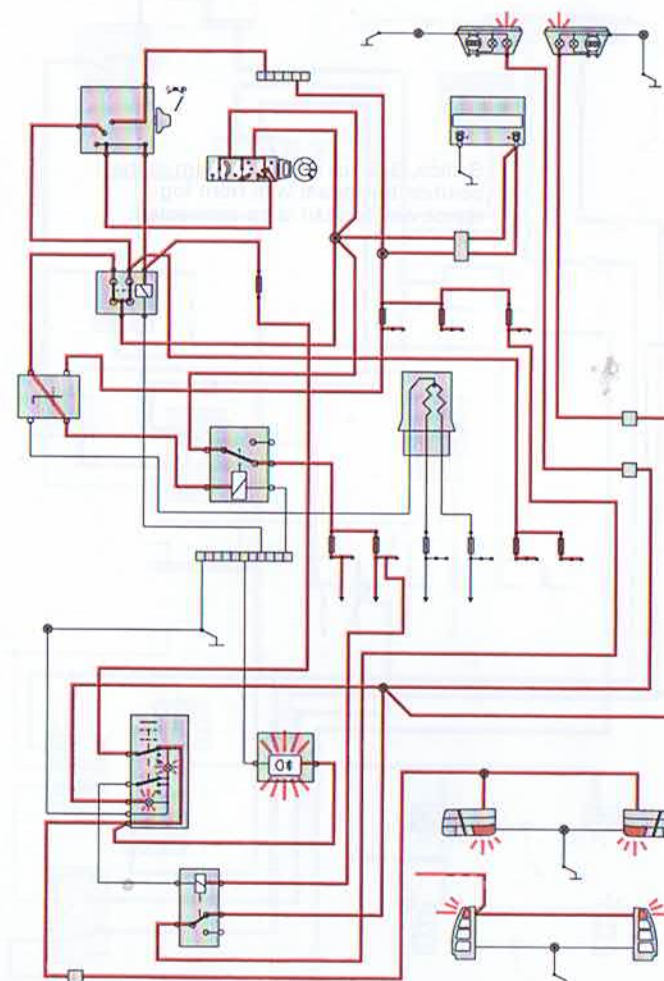


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamps Japan, early version 1997

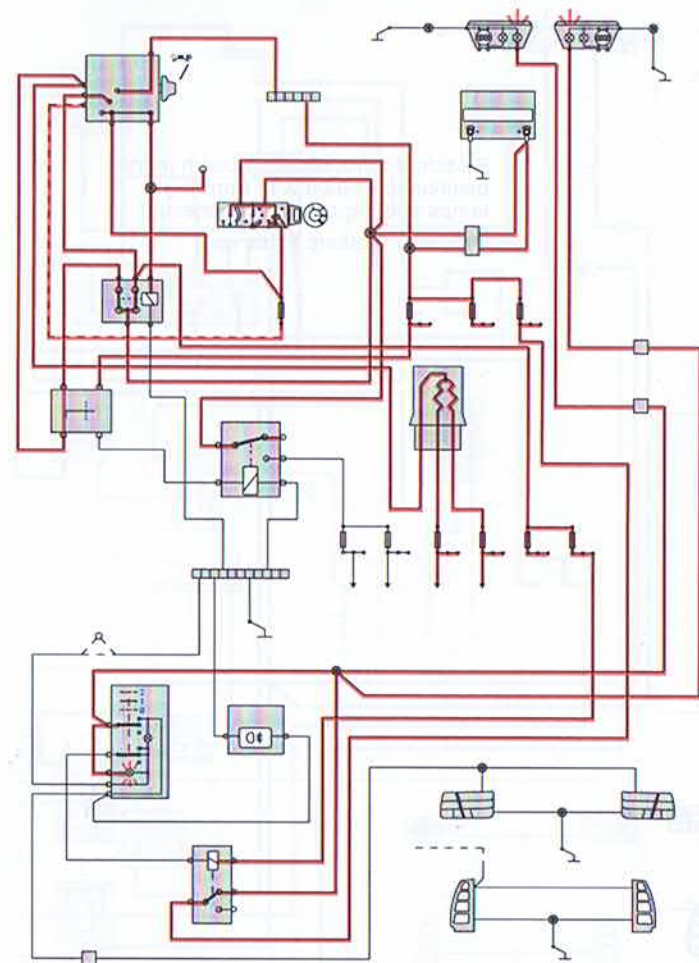


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.
Only rear foglamp lights up.

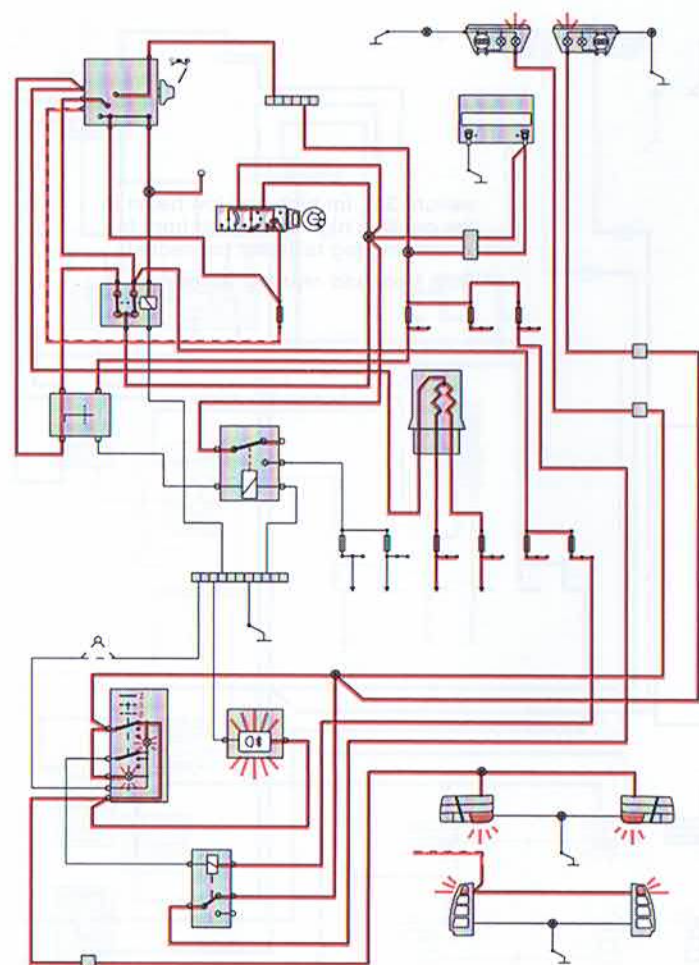


switch, 3/5, for high and low beam in the position high beam with front fog lamps and fog tail lamp connected.
Both front and rear fog lamps light.

Function diagrams Fog lamps, early version 1997

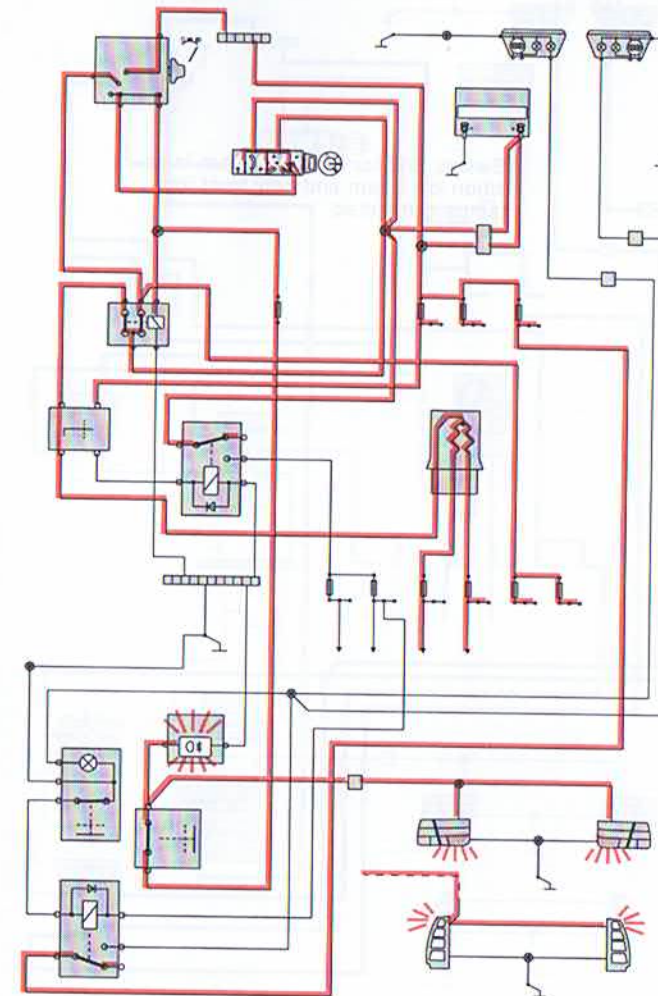


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

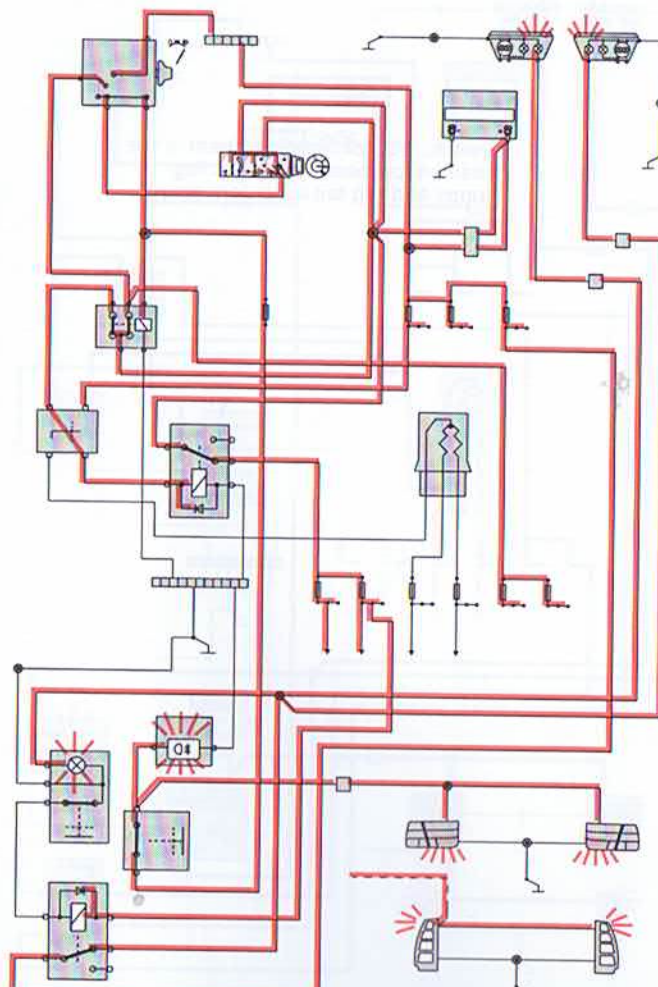


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamp Japan, late version 1997 and 1998

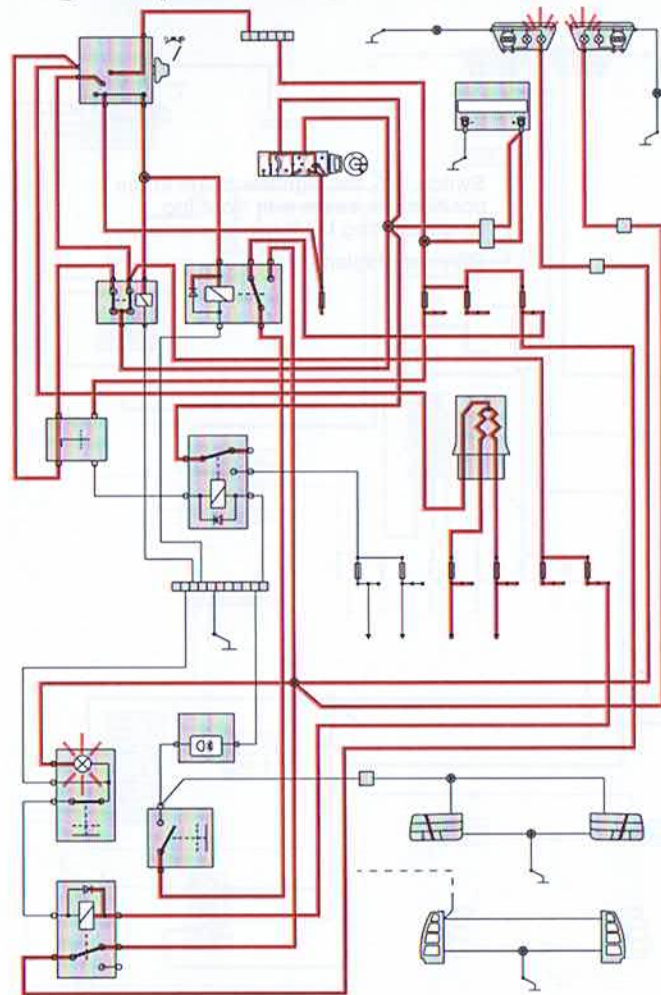


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.
Only rear foglamp lights up.

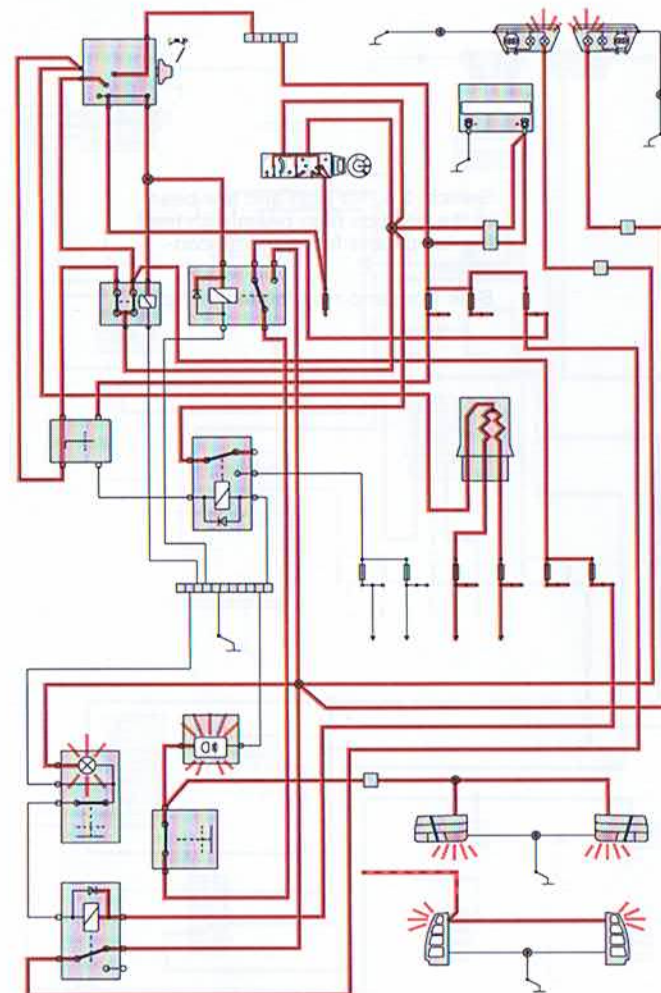


Switch, 3/5, for high and low beam in the position high beam with front fog lamps and fog tail lamp connected.
Both front and rear fog lamps light.

Function diagrams Fog lamps Korea, late version 1997 and 1998

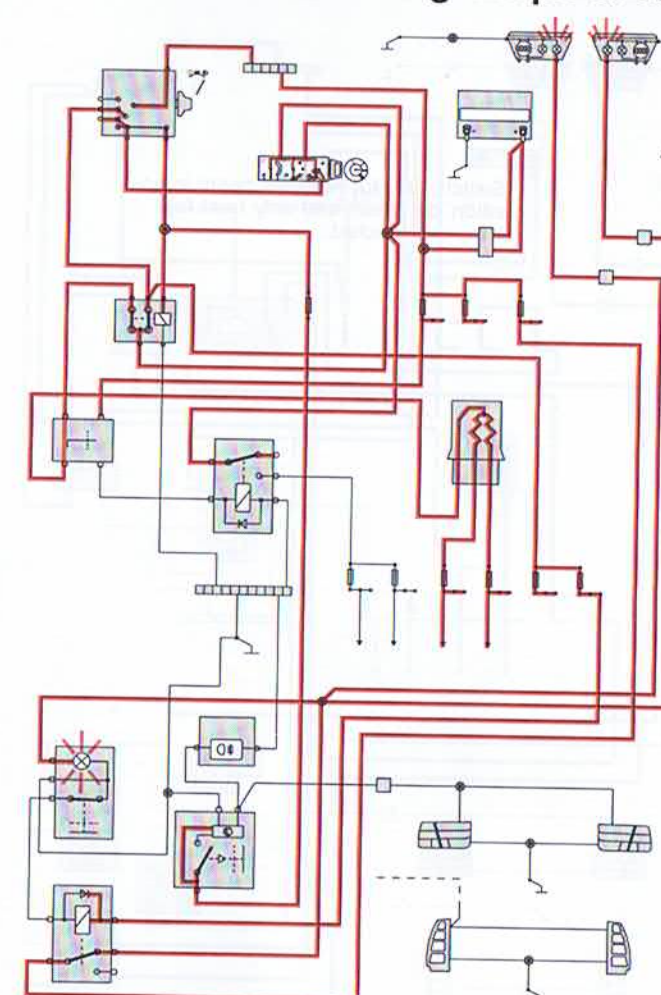


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

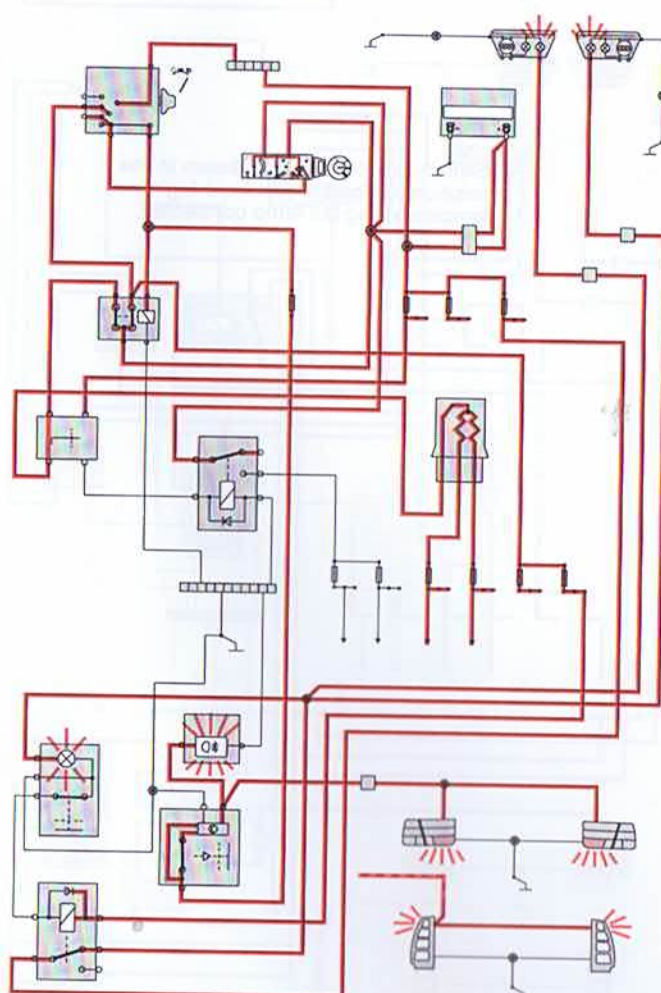


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamps Great Britain, late version 1997 and 1998

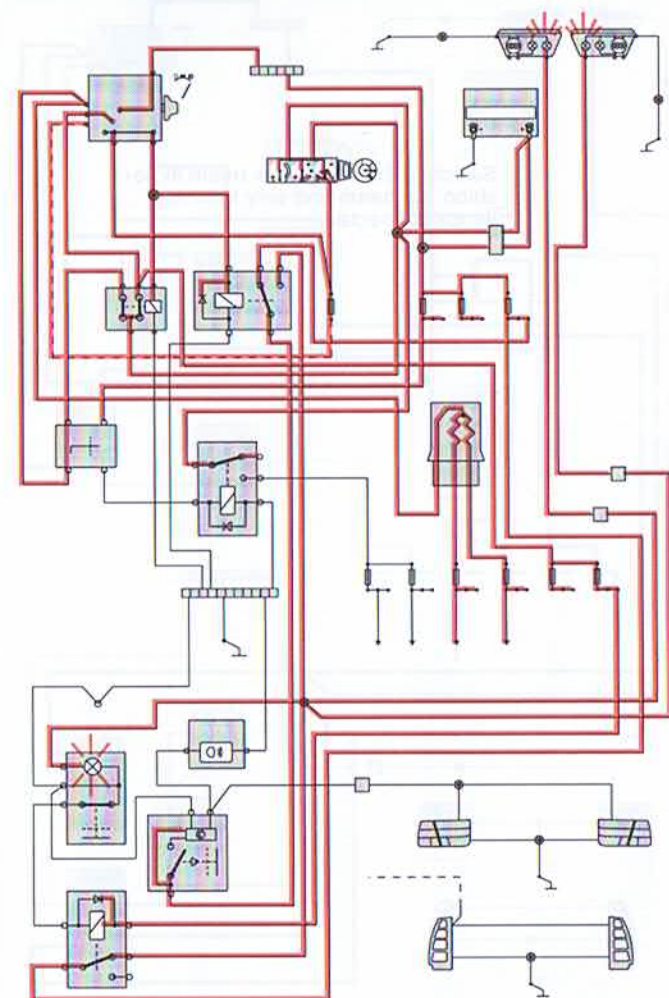


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

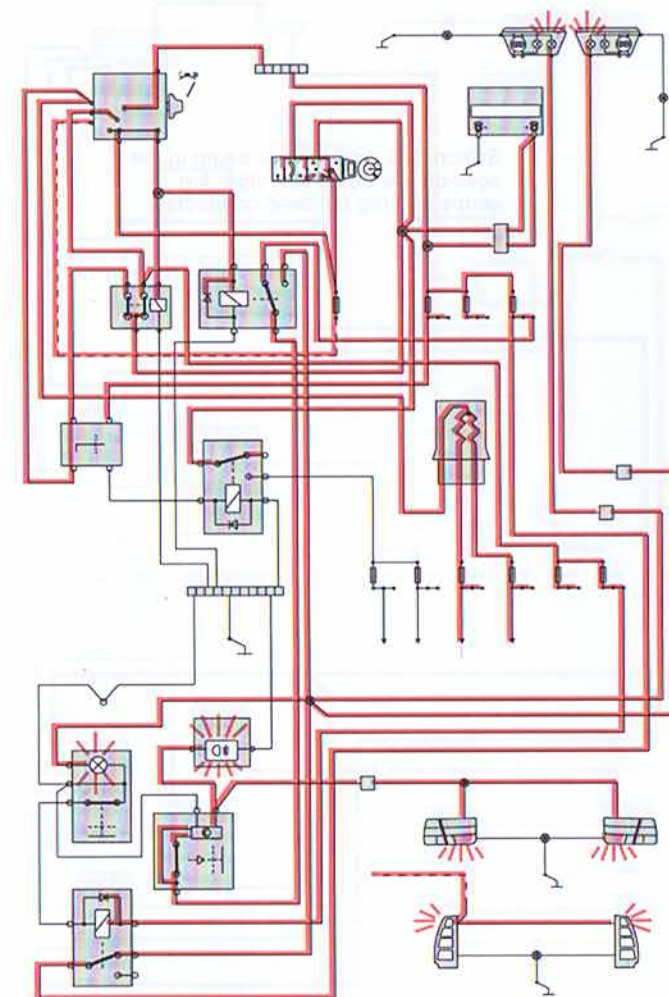


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamps Western Europe, late version 1997 and 1998

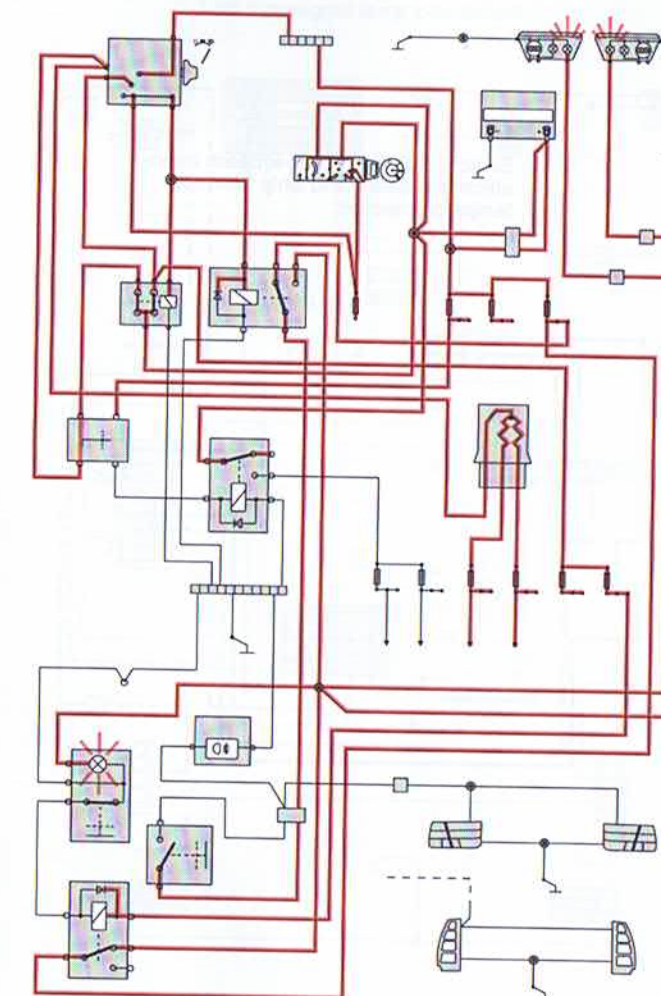


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

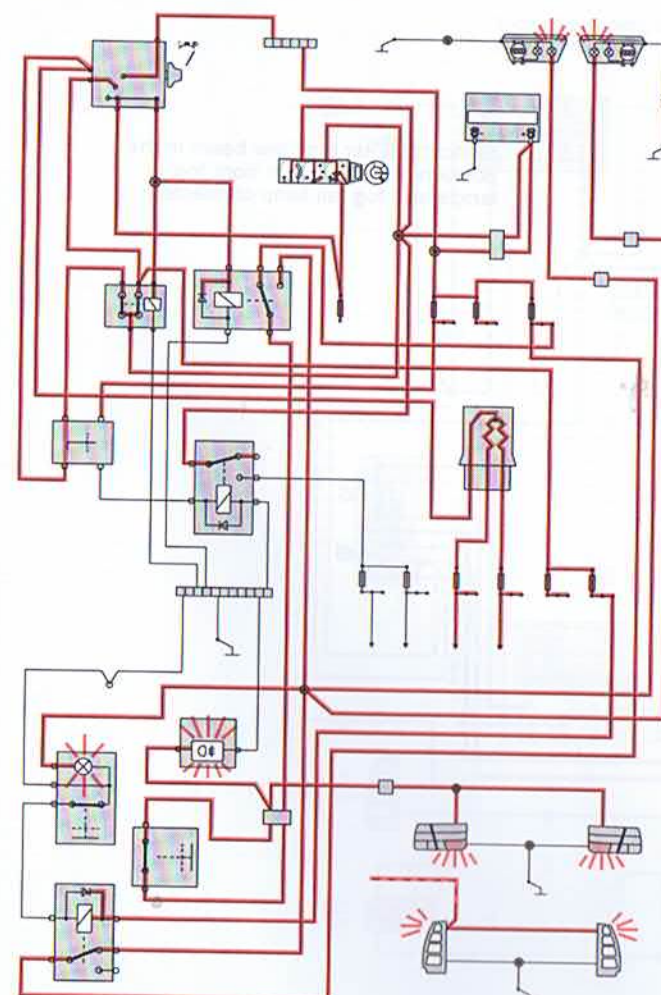


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamps left-hand drive cars, late version 1997 and 1998

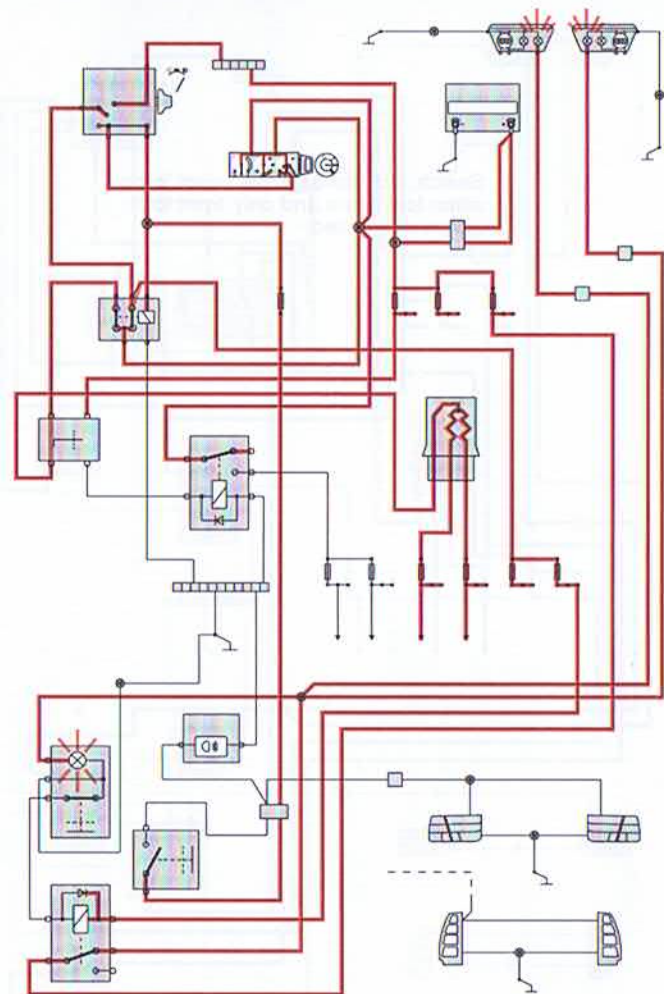


Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

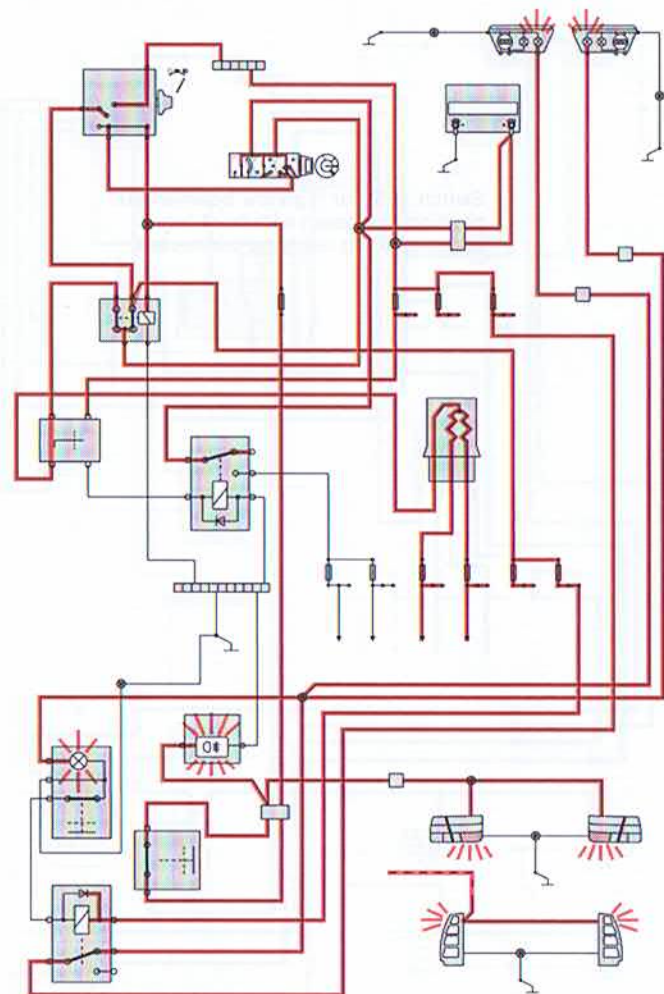


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

Function diagrams Fog lamps right-hand drive cars, late version 1997 and 1998



Switch, 3/5, for high/low beam in position low beam and only front fog lamps connected.

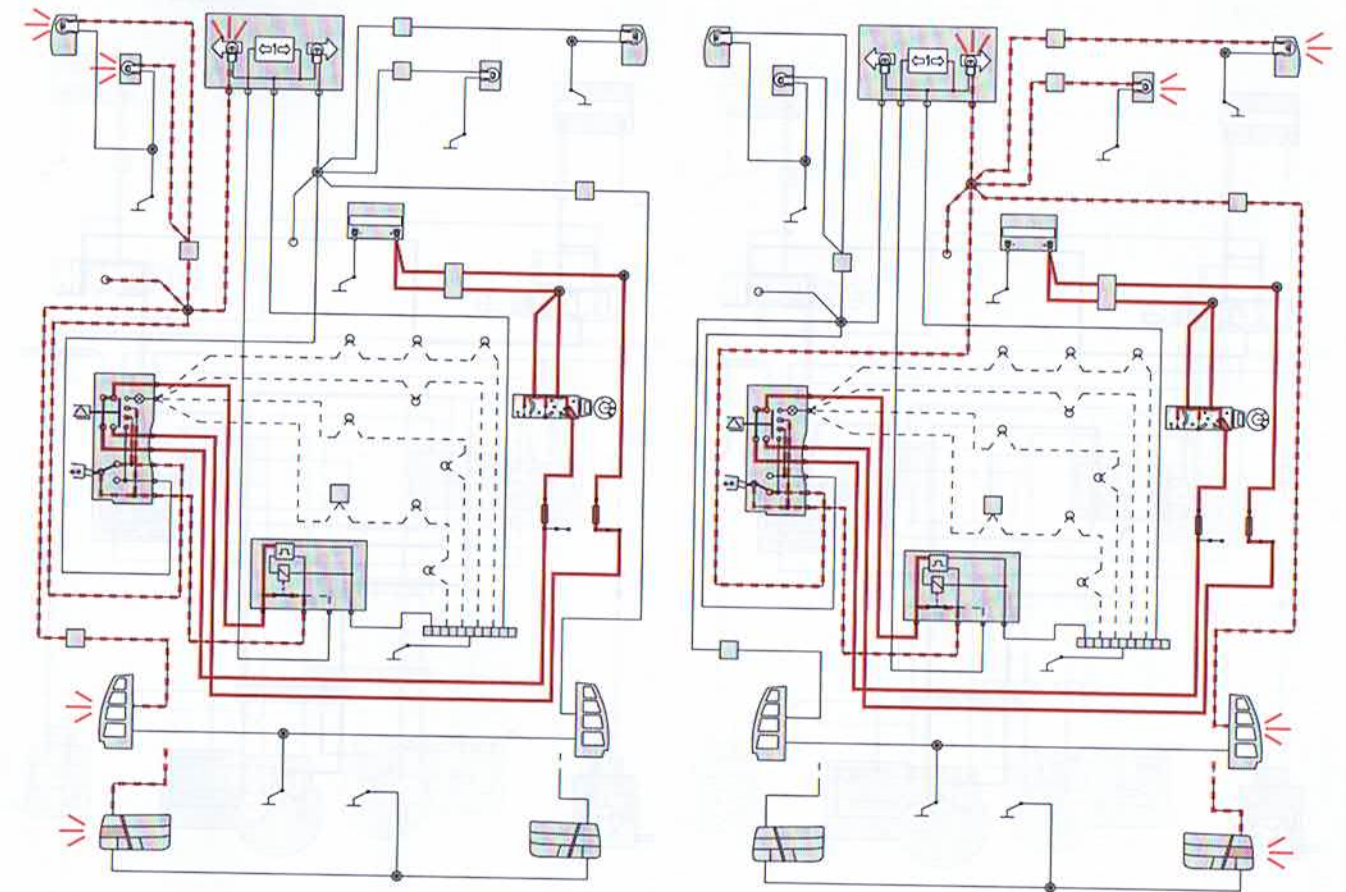


Switch, 3/5, for high/low beam in the position low beam with front fog lamps and fog tail lamp connected.

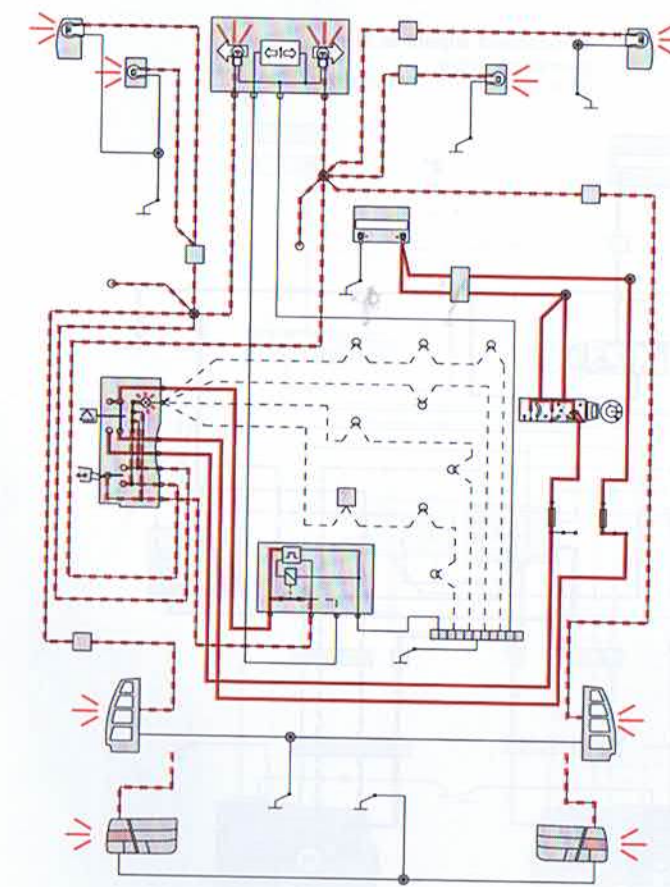
Function diagrams Turn signal lamp - hazard warning signal flashers

Left turn signal lamp connected.

Right turn signal lamp connected.

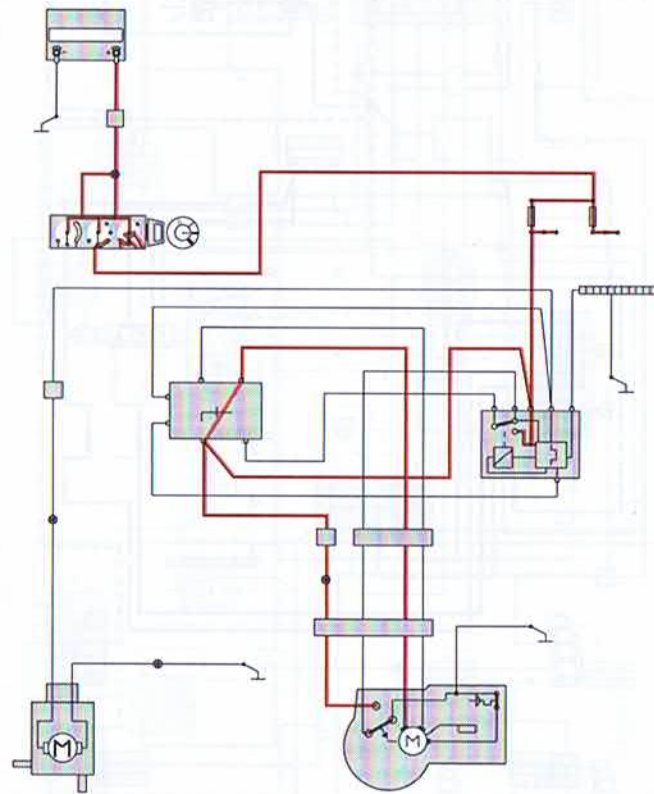


Hazard warning signal flasher connected.

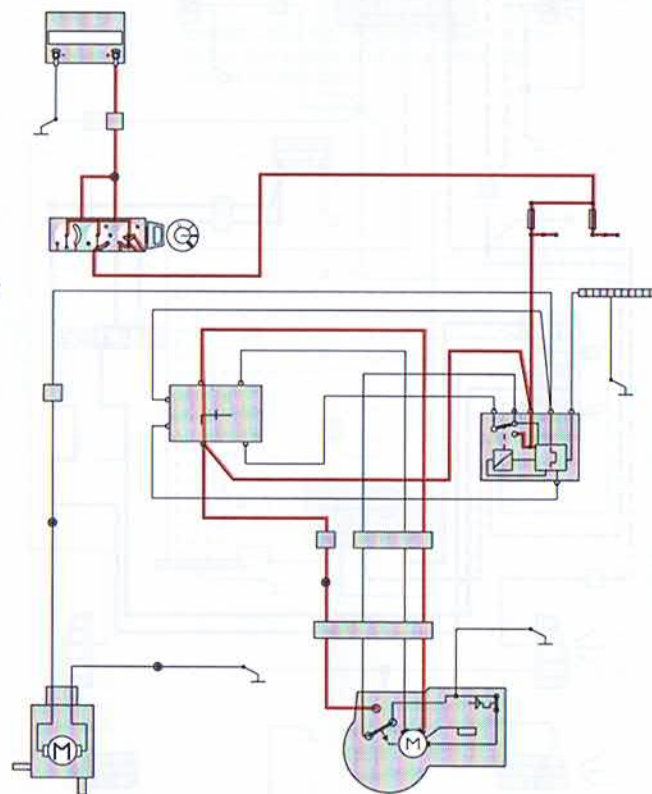


Function diagrams Windshield washer

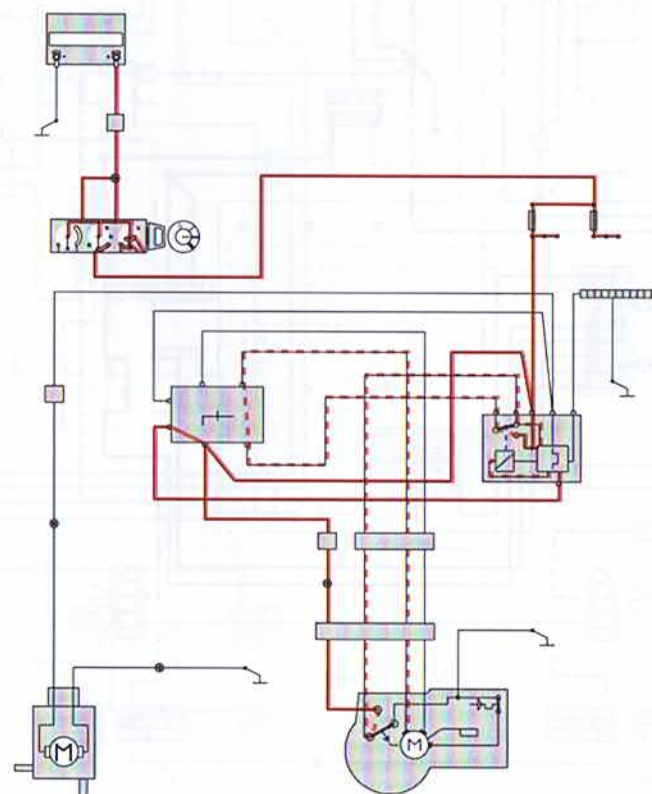
Windshield wipers at normal speed.



Windshield wipers at maximum speed.

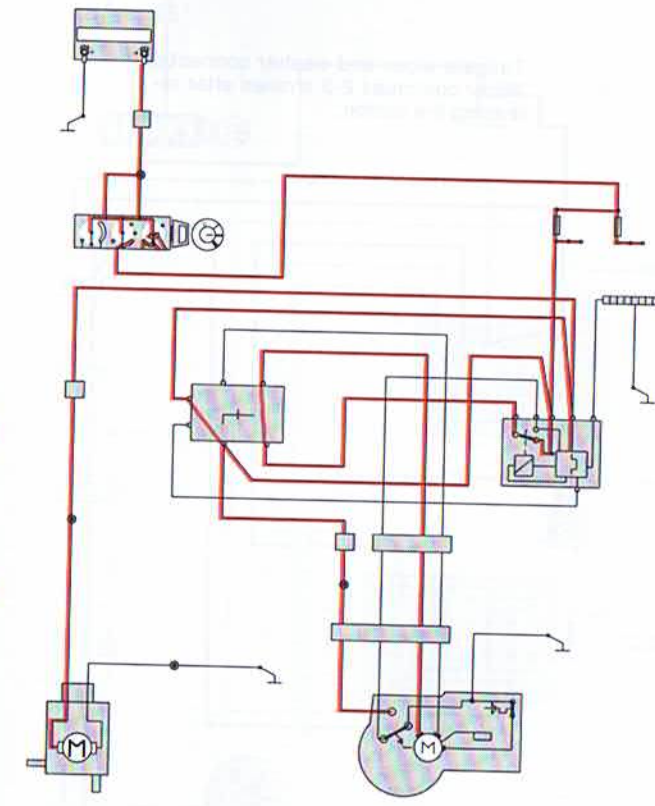


Windshield wipers at intermittent wipe.

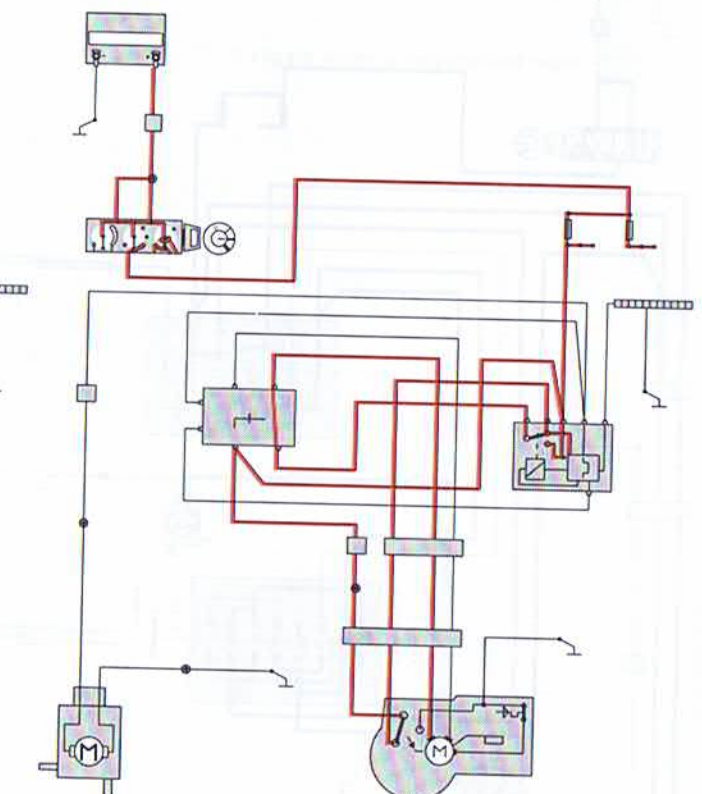


Function diagrams Windshield washer

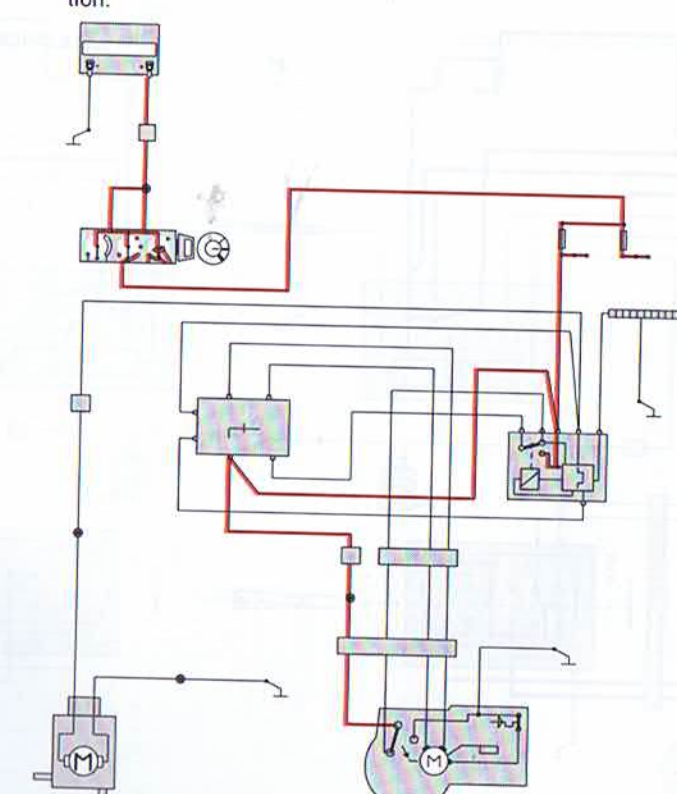
Windshield wash/wipe turned on. Wiper continues 2-3 strokes after releasing the lever.



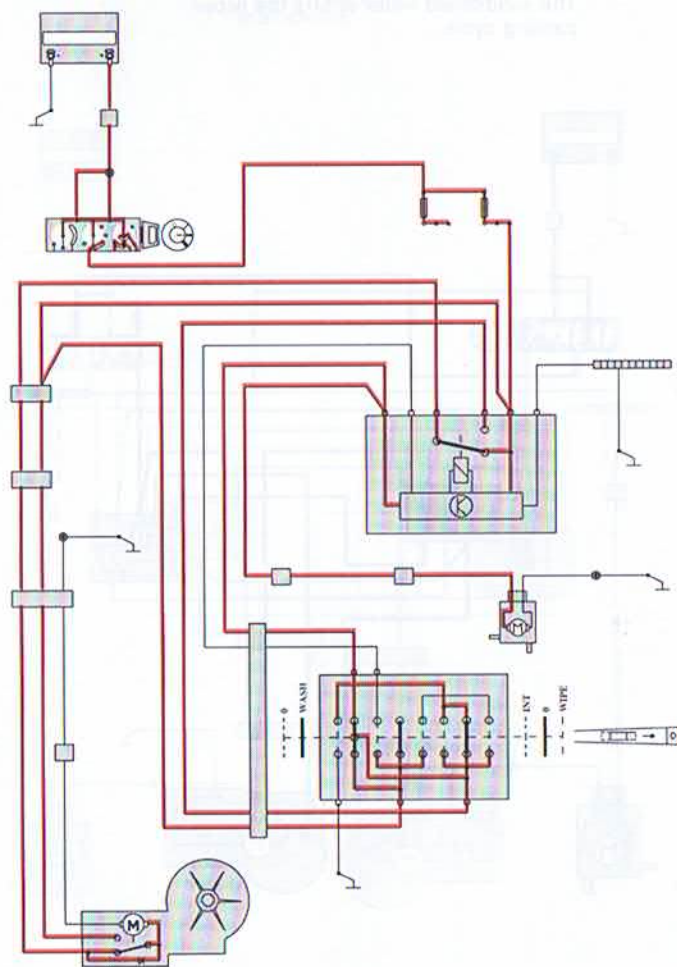
The windshield wiper enters the wiper parking cycle.



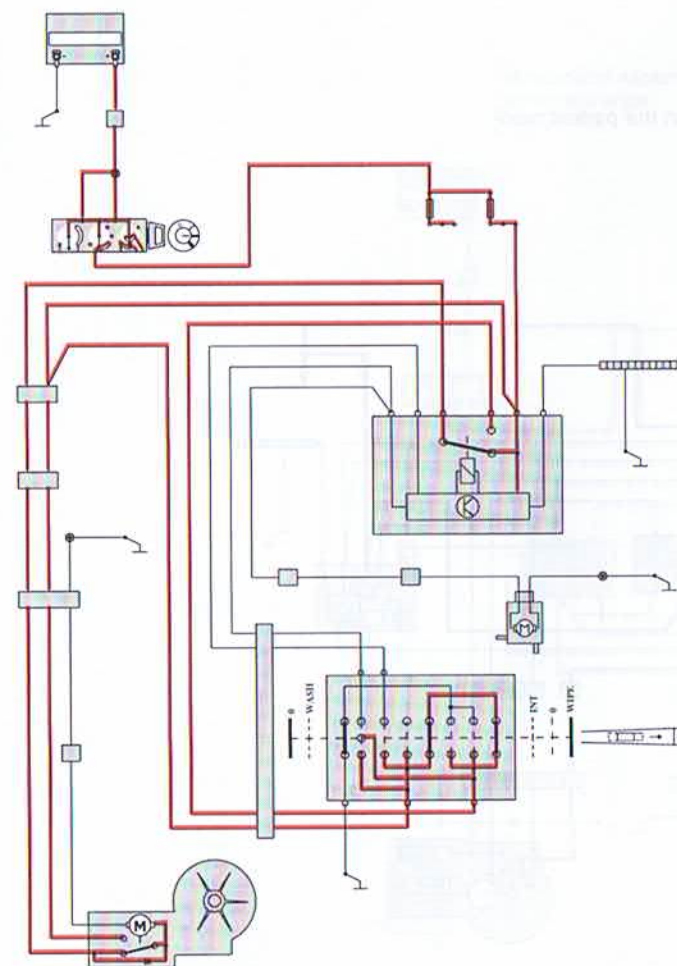
Windshield wiper in the parked position.



Function diagrams Rear windshield wiper

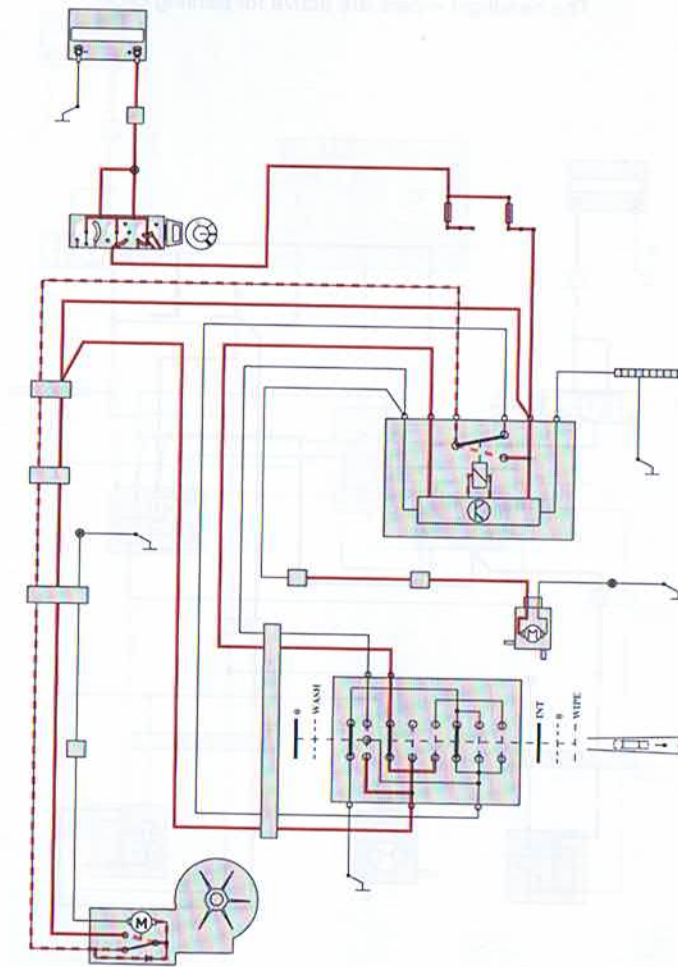


Tailgate wiper and washer connected.
Wiper continues 2-3 strokes after re-
leasing the button.

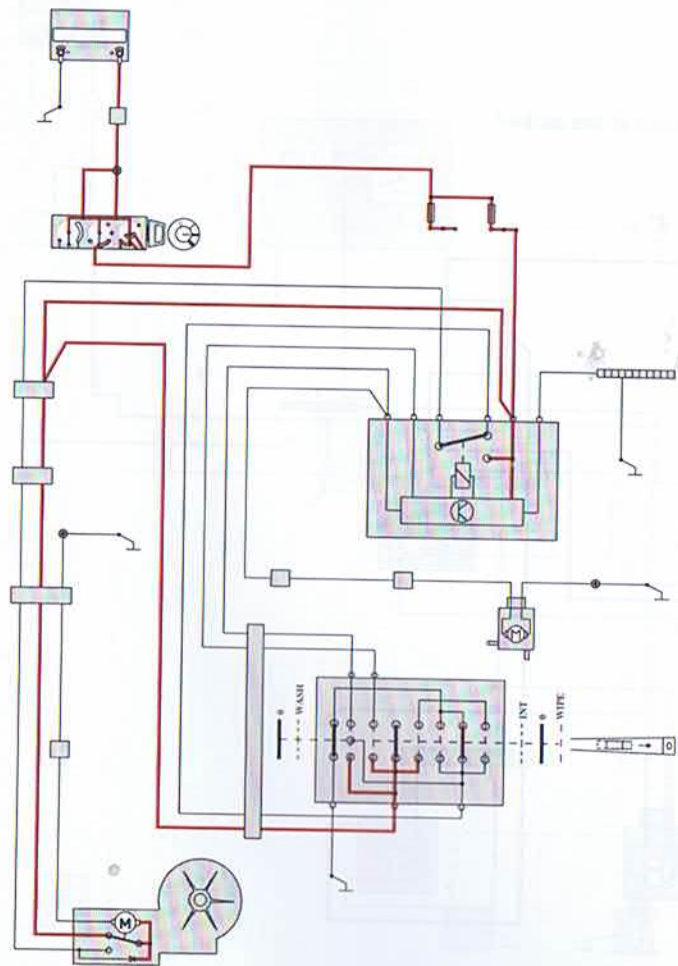


The tailgate wiper is turned on.

Function diagrams Rear windshield wiper



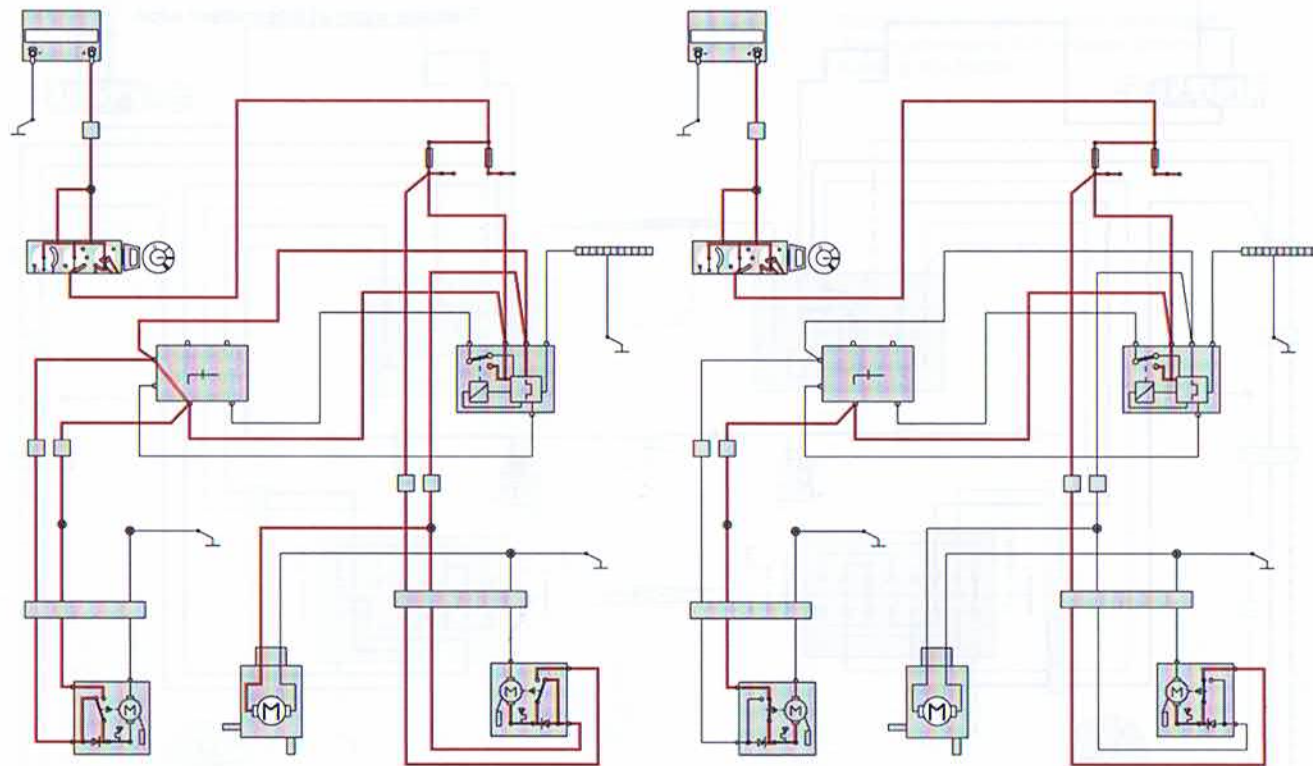
Tailgate wiper at intermittent wipe



Tailgate wiper at parking speed

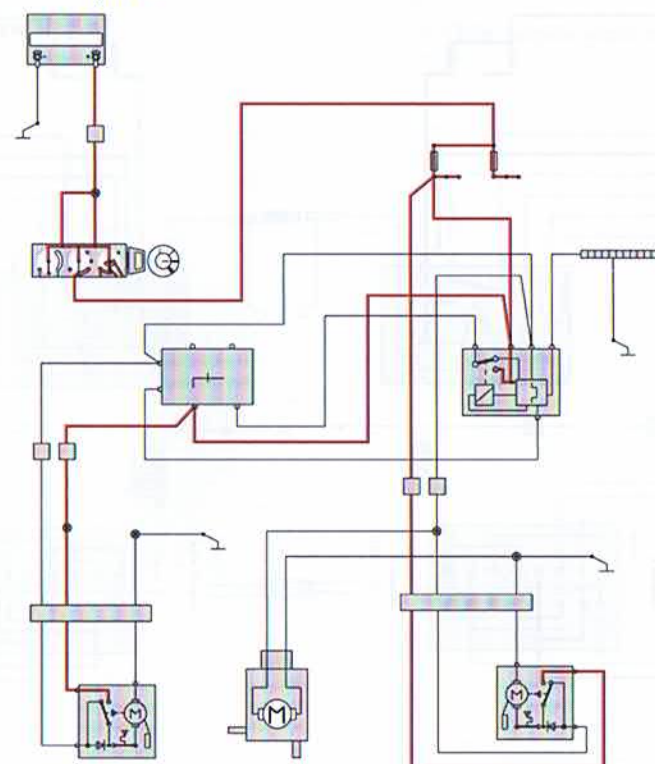
Function diagrams Headlamp washer

Headlamp washers and wipers in use. The wiper continues for 2-3 strokes after the lever is released.



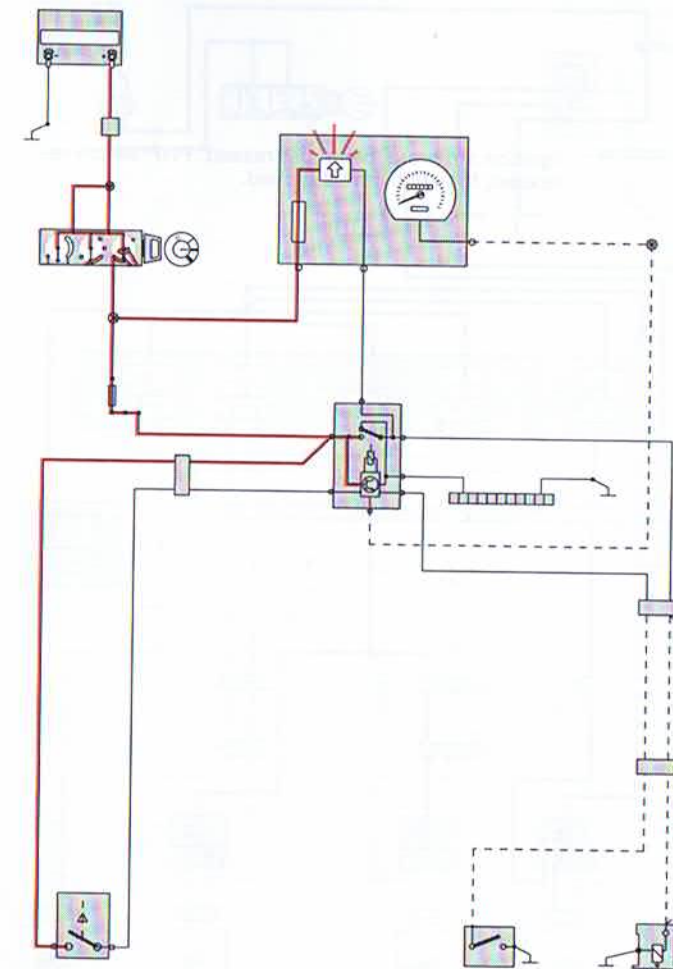
The headlight wipers are active for parking cycle.

The headlight wipers in the parked position.

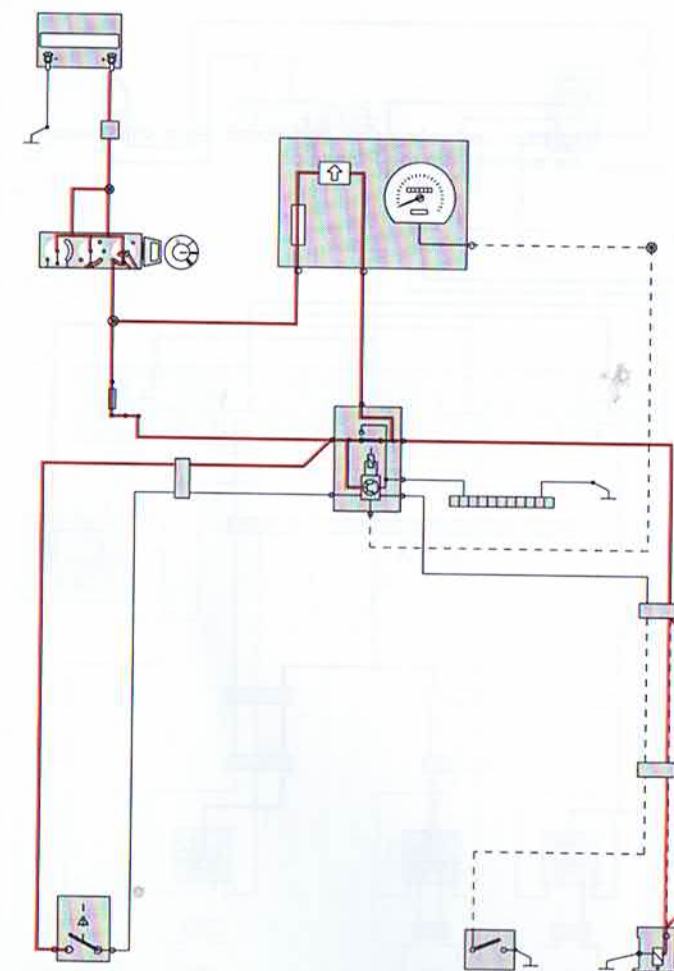


Function diagrams Overdrive AW 70/71 and kickdown inhibitor AW 71

Overdrive disconnected. Indicator lamp lit.

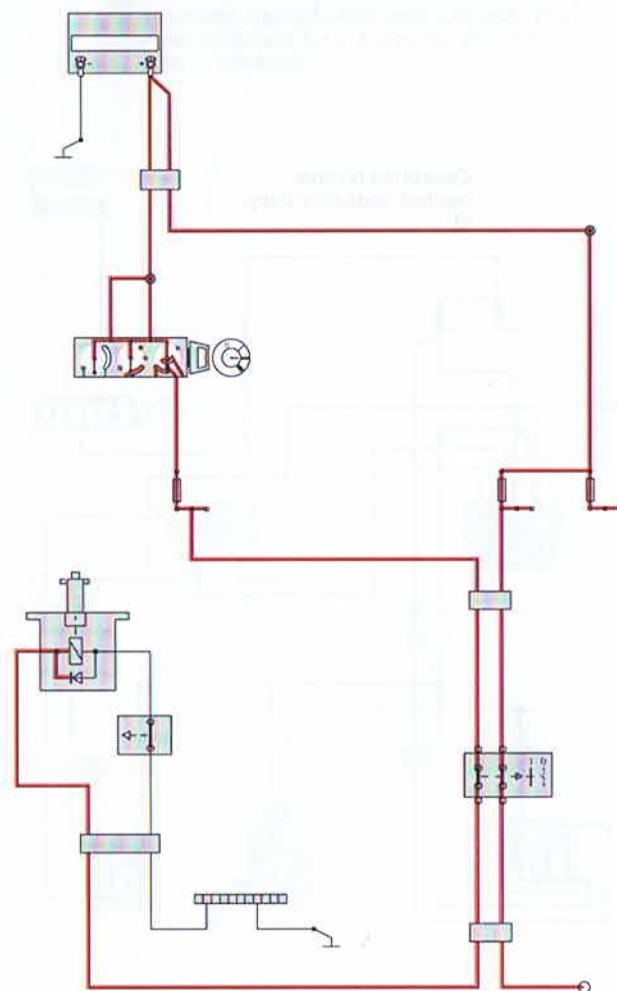


Overdrive connected. Indicator lamp not lit.

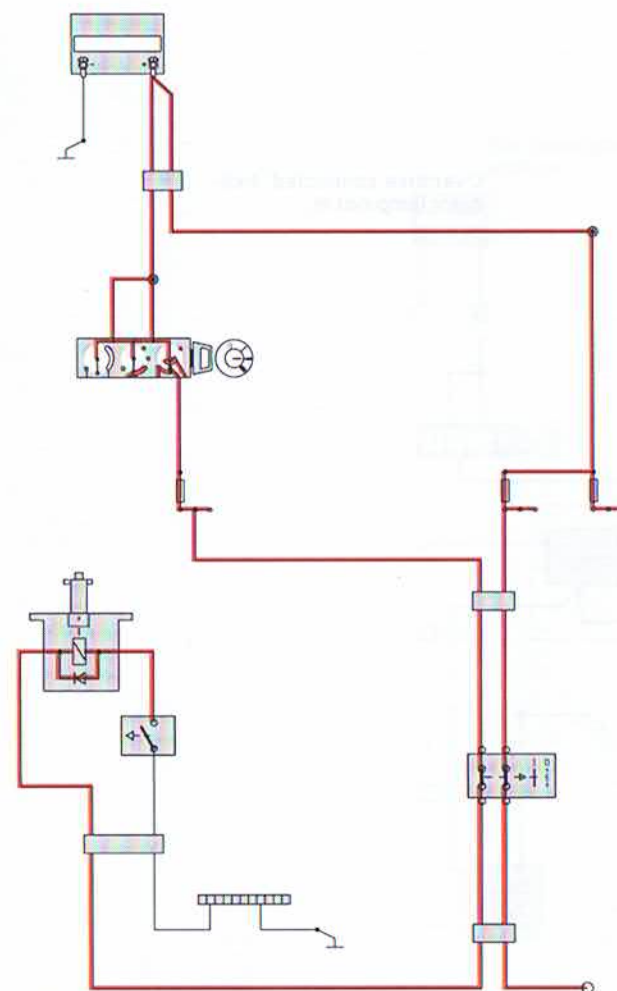


Function diagrams

P-shift lock, automatic transmission



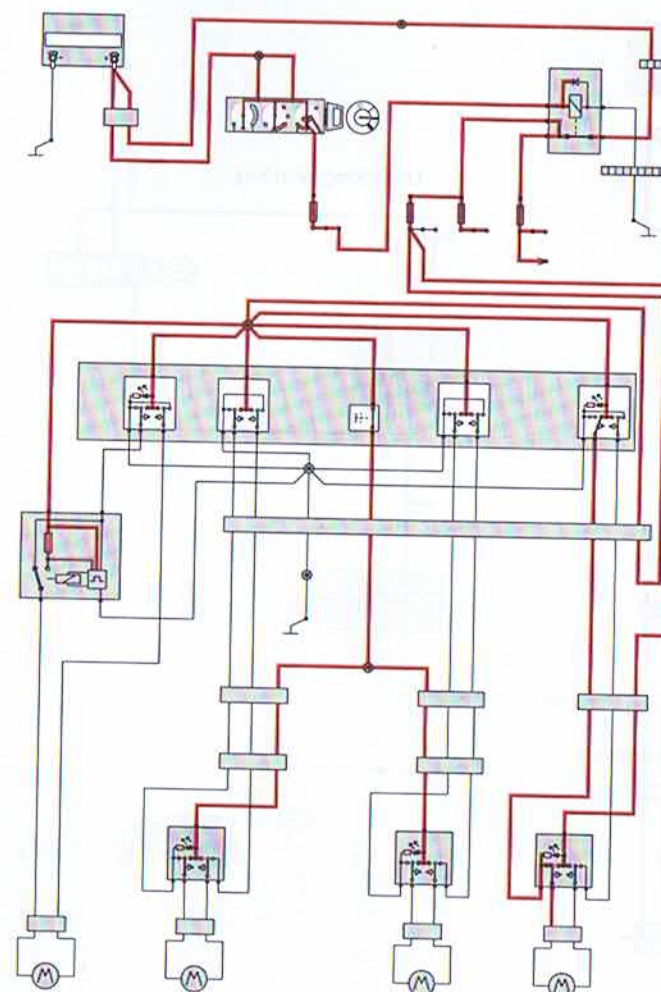
Ignition on, brake pedal depressed. PNP switch released, the shift can be moved.



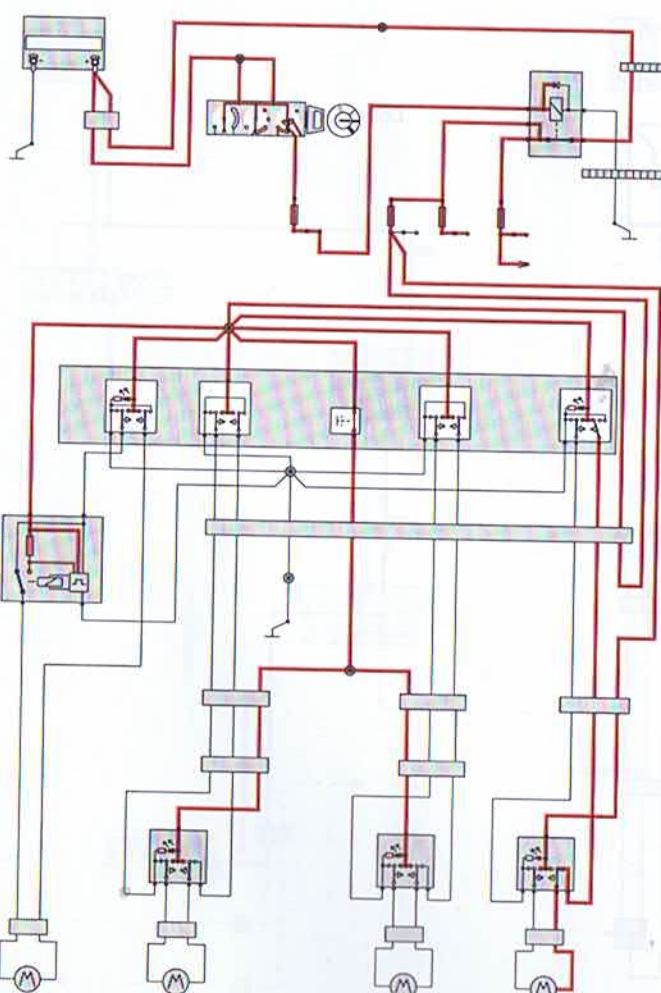
Ignition on, brake pedal depressed. Gear shift selector moved from the P position.

Function diagrams

Power windows

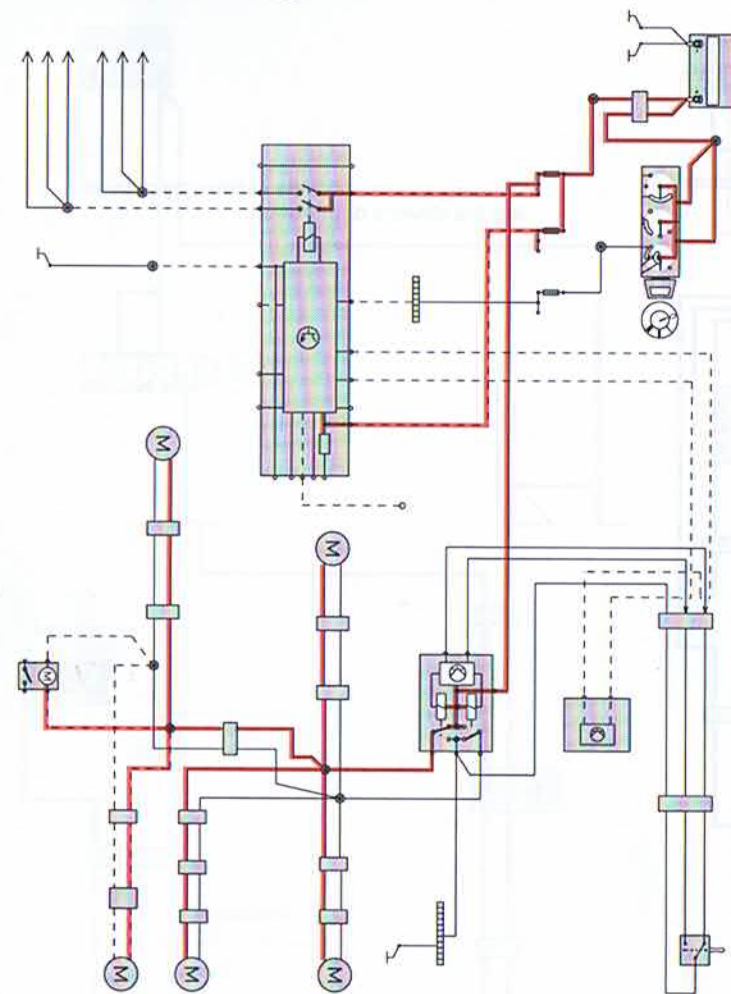


Opening passenger side window by activating the driver's door switch.

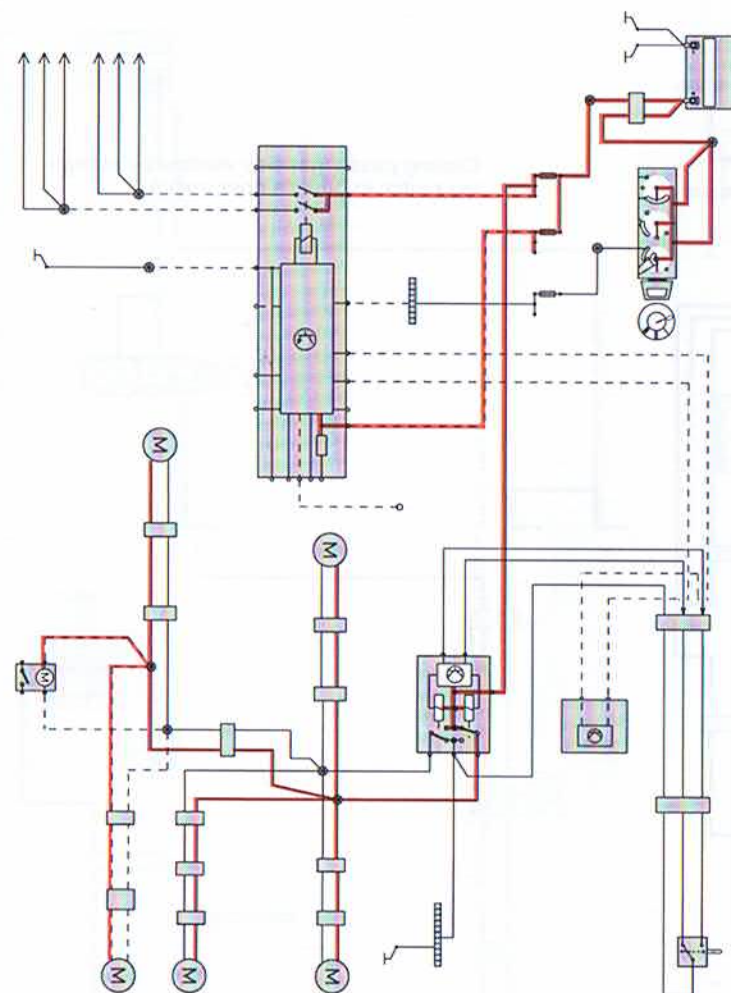


Closing passenger side window by activating switch in driver's door switch.

Function diagrams Central locking

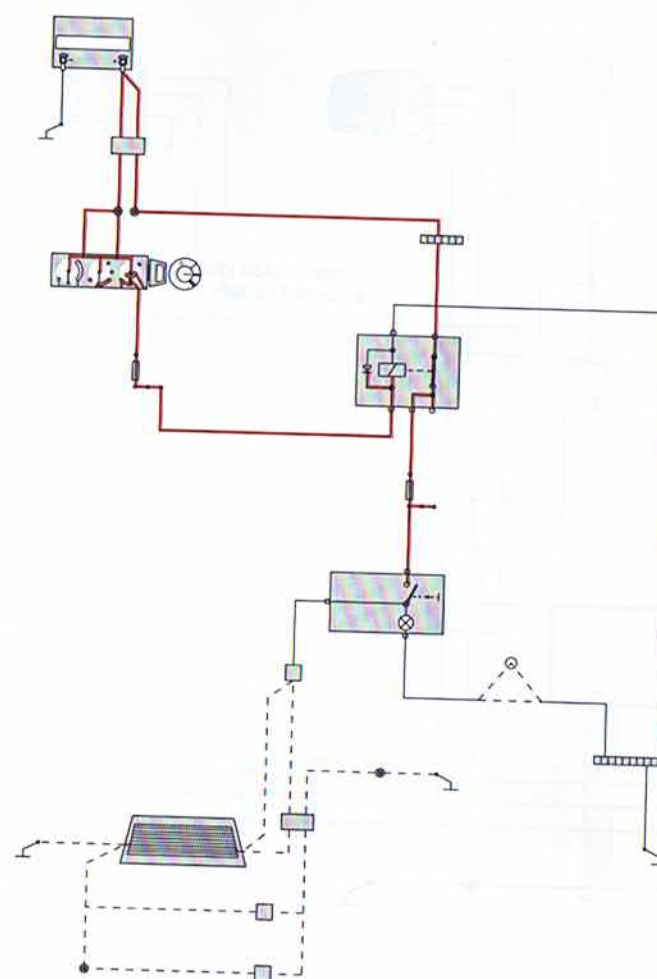


Unlocking with key.

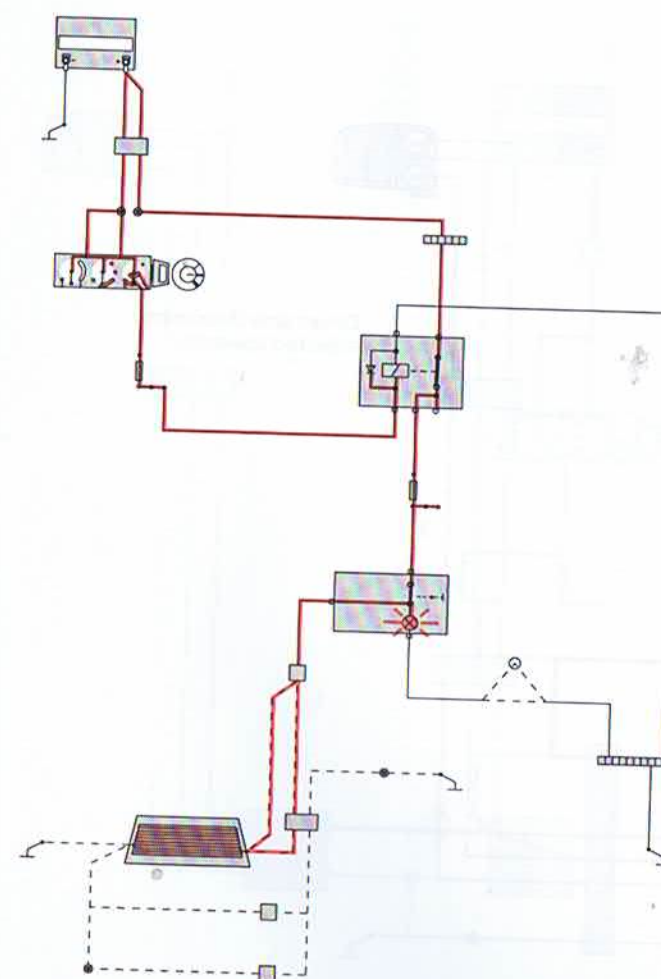


Locking with key.

Function diagrams Heated rear window

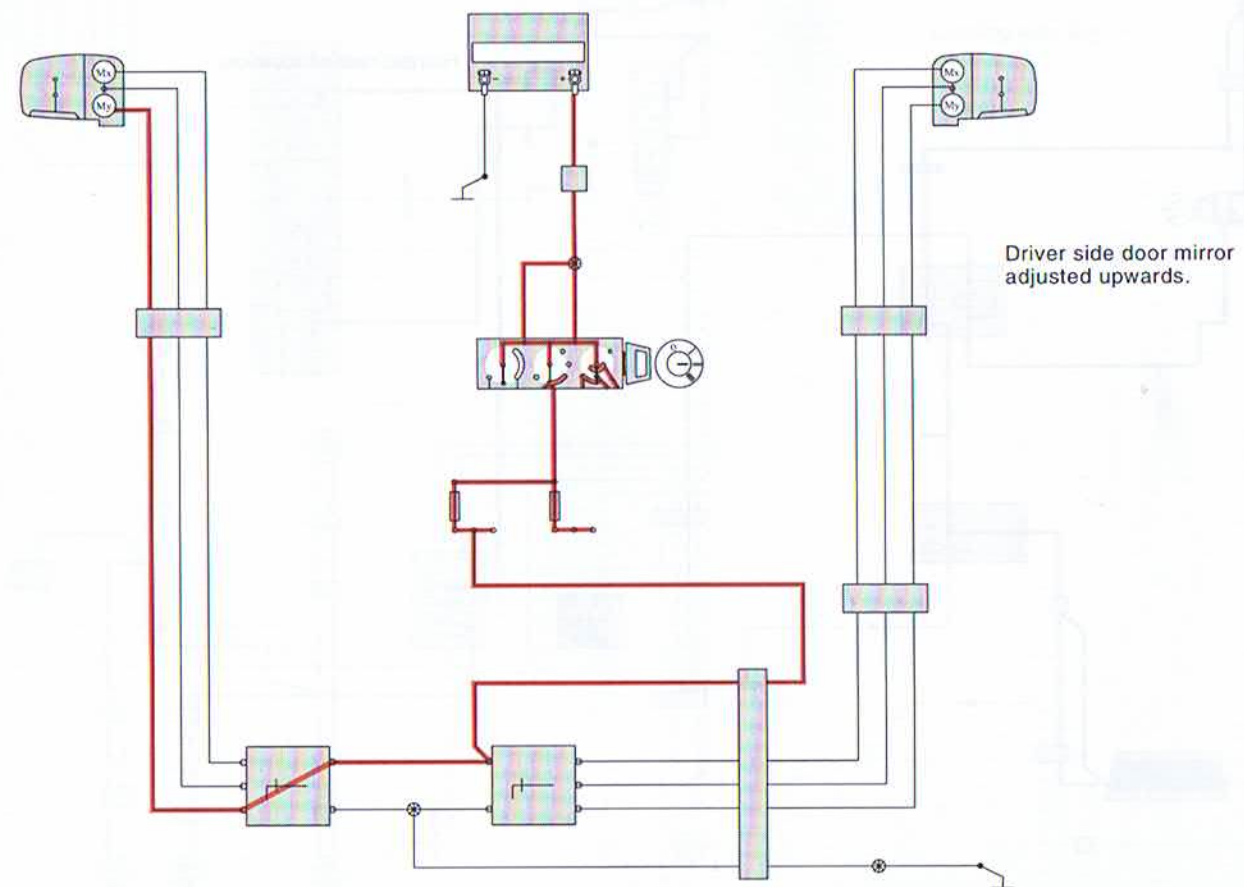
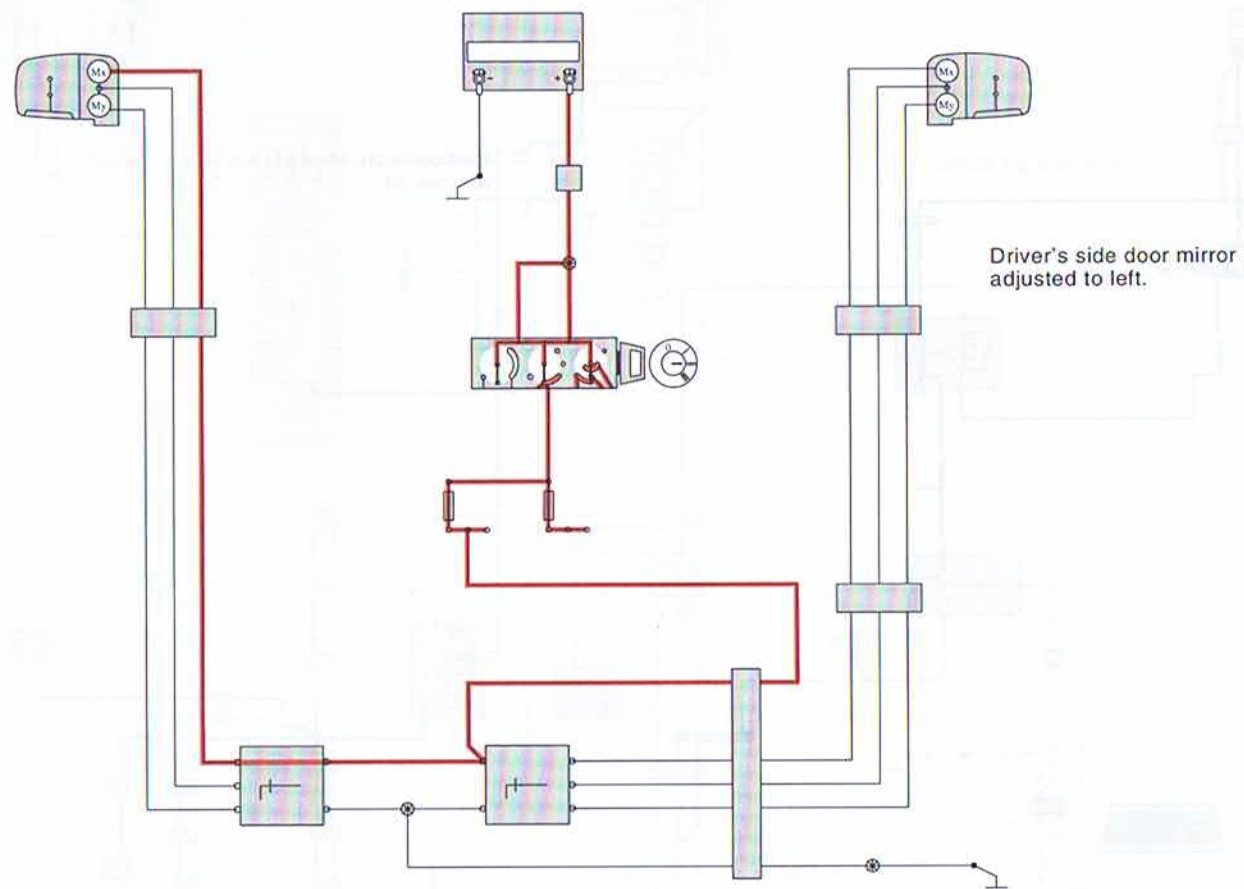


Ignition is on. Heated rear window off.

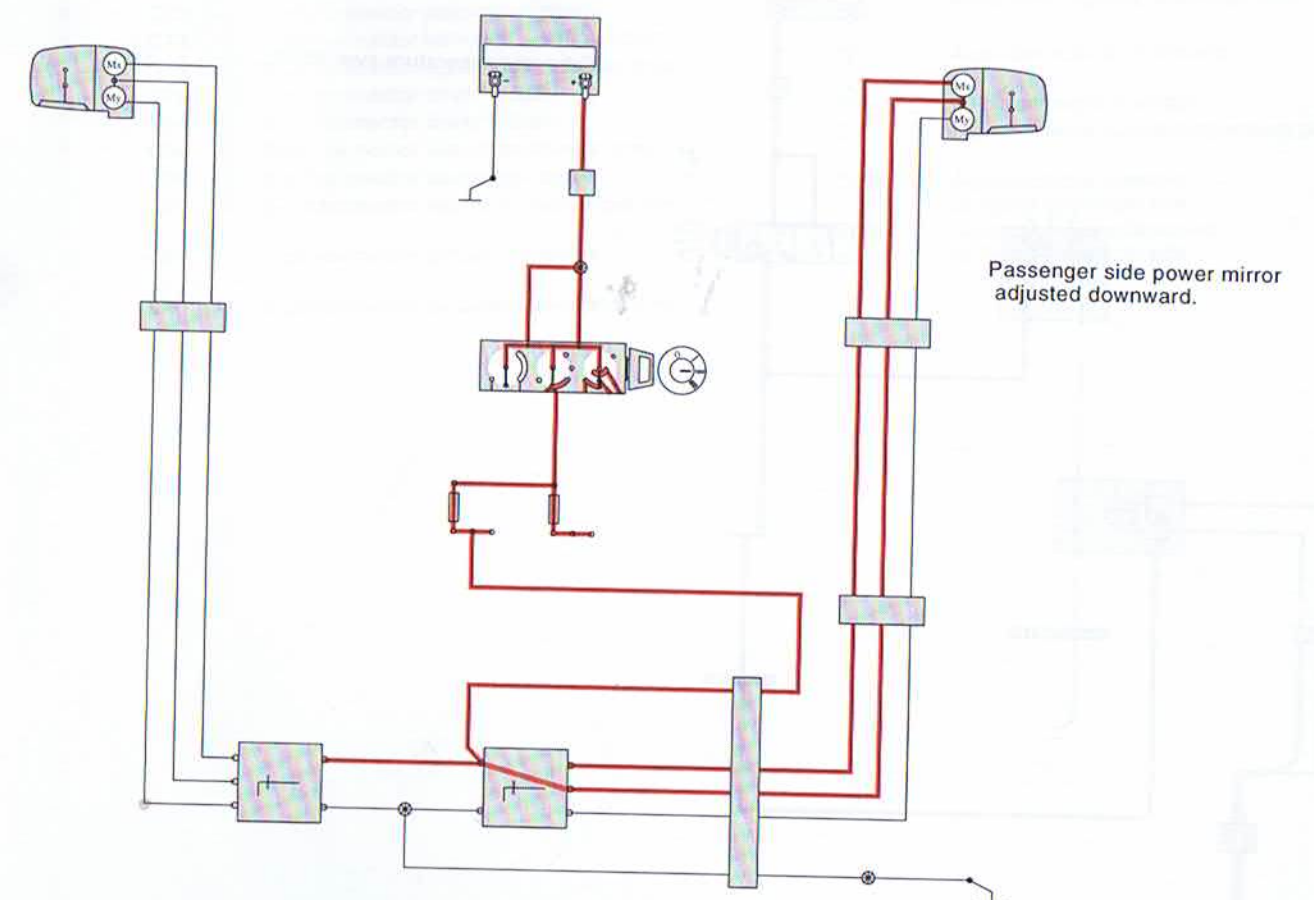
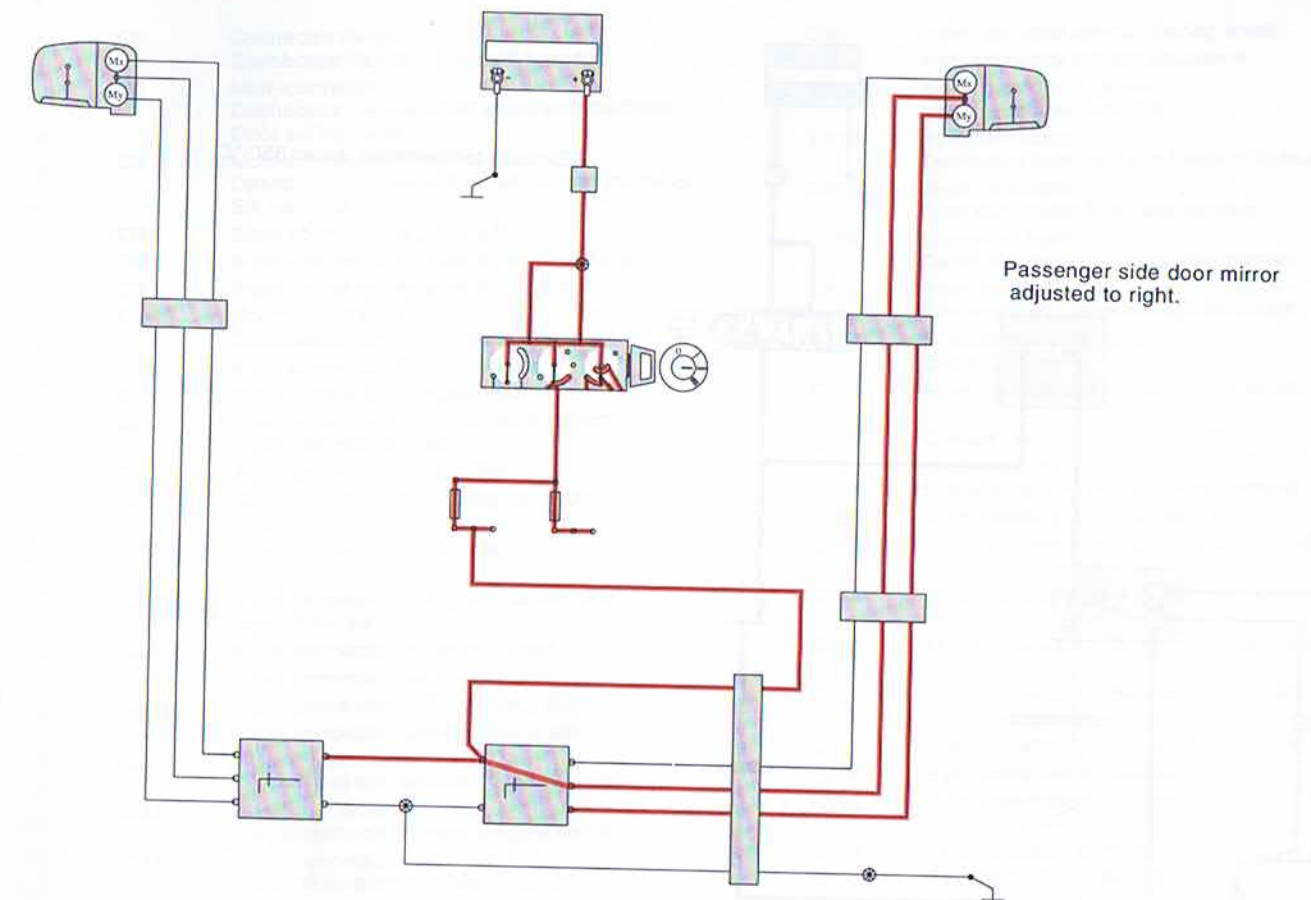


Heated rear window on.

Function diagrams Power door mirrors

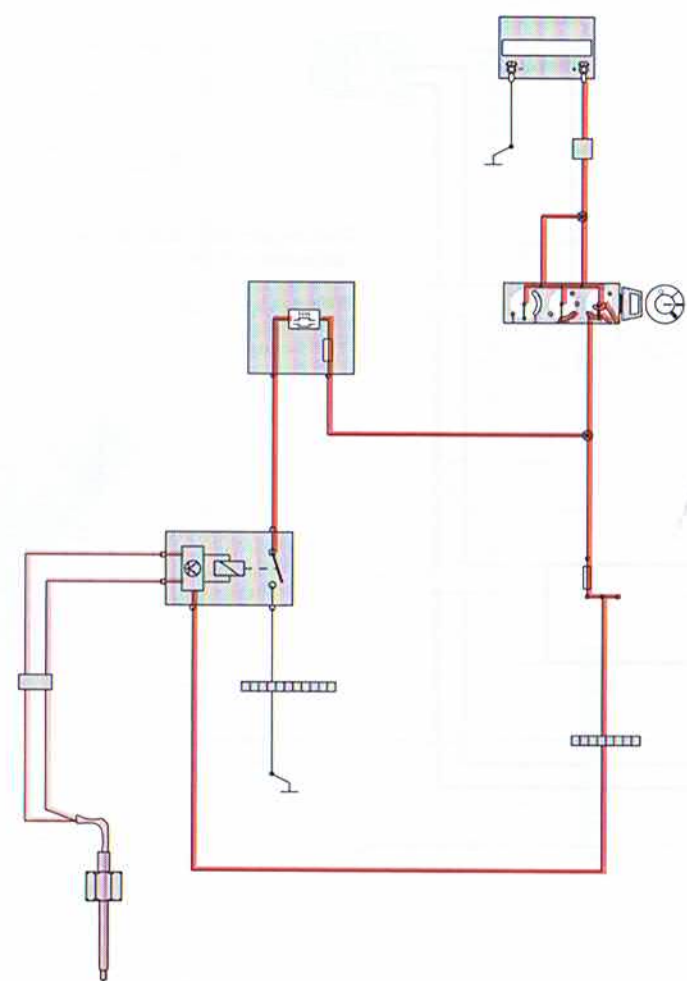


Function diagrams Power door mirrors

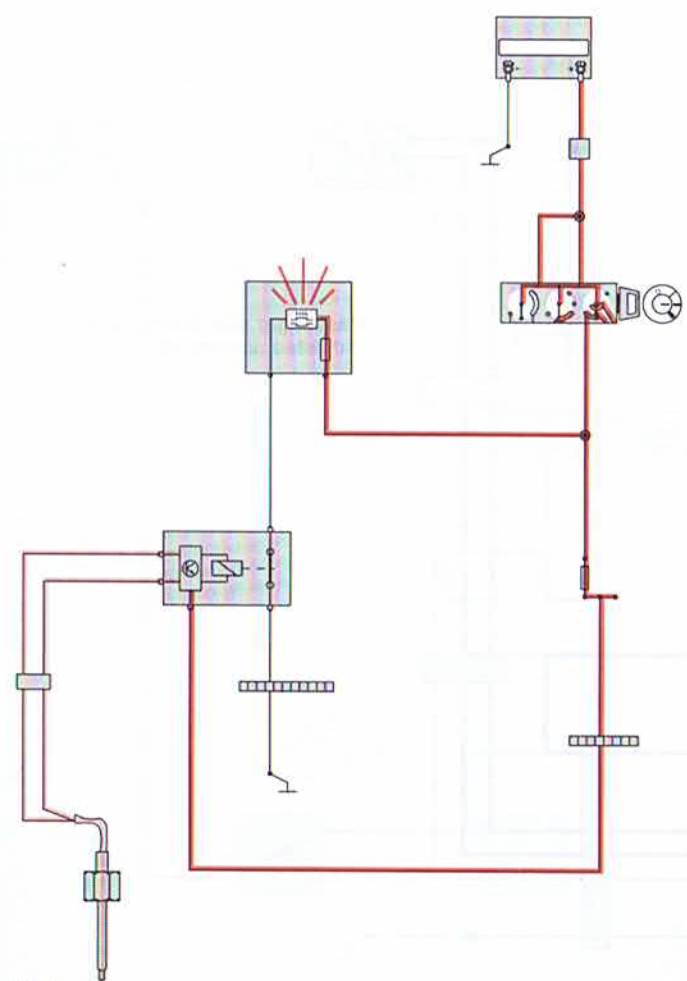


Function diagrams

Exhaust temperature switch



Exhaust temperature under 850 °C.



Exhaust temperature over 850 °C.

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..... 41-57	2/3	DIM-DIP lights relay	3/42	Oil pressure kick down valve	6/17	Motor, up/down front edge of driver's seat	8/2	ECC solenoid valves
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..... 196	3/6	Hazard warning signal flasher switch	4/9	SRS Supplemental Restraint System Crash Sen	7/5	Washer fluid level sensor	10/2	Right front lamp unit
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	3/24	Passenger side power mirror switch	6/6	Central locking motor right-hand side rear	7/37	Temperature sensor EGR	10/24	Cargo compartment lighting (4-door)
	3/25	Switch power sunroof	6/7	Central locking motor left-hand side rear	7/38	Low speed pressure sensor engine cooling fan FC	10/25	Cargo area lighting (5-door)
	3/26	Driver's seat control unit	6/8	Tailgate central locking motor	7/39	Antenna ring	10/29	Glove box lighting
	3/31	Door switch driver's door	6/9	Power window motor driver's door	7/40	High-speed pressure switch engine cooling fan (FC)	10/30	Driver's door door-open warning lamp
	3/32	Door switch passenger side front	6/10	Power window motor driver's side rear	7/43	Thermostat seat left side	10/31	Door-open warning lamp passenger side
	3/33	Door switch left rear door	6/11	Power window motor passenger side front	7/44	Thermostat seat right side	10/32	Door open warning lamp rear door left-hand side
	3/34	Door switch right rear door	6/12	Power window motor passenger side rear	7/46	DIM-DIP lights resistor	10/33	Door open warning lamp rear door right-hand side
	3/35	Door switch tailgate (5-door)	6/13	Driver's side power door mirror	7/47	PTC resistor air preheating	10/35	Sunroof lighting switch
	3/36	Switch for glove box lighting	6/14	Passenger side power door mirror	7/53	A/C Low-Pressure Switch	10/36	Control panel lighting
	3/37	Signal switches			7/69	Outside temperature sensor	10/38	Ashtray lighting rear
	3/38	Brake switch			7/75	Bulb failure warning sensor	10/39	Seat heating switch lighting
					7/100	Tilt sensor		

10/40	Gear shift position indicator lighting	16/4	Loudspeaker left front door	C1	Connector 24-pin	C92	2-pin connector behind steering wheel
10/43	Right stop (brake) lamp	16/5	Loudspeaker right rear door		Dashboard harness-Door sill harness	C93	4-pin connector left rear wheelarch
10/44	Right parking-/tail lamps	16/6	Loudspeaker left rear door	C2	Multi-connector	C98	4-pin connector by power antenna/antenna amplifier
10/45	Right parking-/tail lamps	16/7	Loudspeaker dashboard right side		Dashboard harness-Left wheelarch harness/Door sill harness	C114	2-pin connector
10/46	Right rear fog light	16/8	Loudspeaker dashboard left side	C3	Multi-connector		Dashboard harness-Left wheelarch harness
10/47	Rear right turn signal lamp	16/9	Antenna		Dashboard harness-Right wheelarch harness/Sill harness	C115	2-pin connector
10/48	Right back-up (reversing) lamp	16/10	Horn 1				Door sill harness-Rear axle harness
10/50	Left stop (brake) lamp	16/11	Horn 2	C5	2-pin connector A pillar left	C116	Connector 6-pin
10/51	Left rear parking/ tail lamps	16/15	CD-changer	C6	4-pin connector by central electrical unit		Dashboard harness-Immobilizer harness
10/52	Left rear parking/ tail lamps	16/16	Antenna booster	C7	8-pin connector by steering column	C117	2-pin connector
10/53	Left rear fog light	16/17	Loudspeaker parcel shelf left side	C9	Connector 24-pin		Left wheelarch harness-Engine harness
10/54	Rear left turn signal lamp	16/18	Loudspeaker parcel shelf right side		Dashboard harness - Tunnel harness	C118	2-pin connector tailgate (5-door)
10/55	Left back-up (reversing) lamp	16/19	Anti theft alarm horn	C15	4-pin connector by transmission	C119	4-pin connector by rear fog lamps switch
10/64	Right high beam lamp	16/35	Alarm siren	C19	2-pin connector by dashboard		
10/65	Right extra lamp	16/57	Loudspeaker left D-pillar	C20	Connector under gear selector assembly	C121	Contact reel steering wheel SRS
10/66	Right low beam lamp	16/58	Loudspeaker right D-pillar		1-pin alternative 2-pin	C132	8-pin connector
10/68	Left high beam lamp			C21	4-pin connector left B pillar		Left wheelarch harness-Engine harness
10/69	Left extra lamp	17/1	Service socket for turning over starter motor	C22	Connector at left side tailgate, 6-pin (5 door)	C139	4-pin connector by gear selector
10/70	Left low beam lamp	17/13	Data link connector DLC			C143	24-pin connector by A pillar passenger side
10/72	Ashtray lighting front			C23	2-pin connector at tailgate (5 door)		
10/74	Indicator lamp exhaust temperature	19/1	Engine coolant temperature gauge	C24	2-pin connector by high-mounted stop (brake) lamps	C144	24-pin connector by A pillar driver's side
10/77	Warning lamp, SRS	19/2	Tachometer			C149	11-pin connector at B-post right-hand side
10/78	Seat belt indicator lamp	19/3	Speedometer	C29	4-pin connector by driver's seat		
10/79	Shift Indicator (auto)/ Changing indicator	19/4	Clock	C39	4-pin connector by driver's seat	C150	11-pin connector at B-post left-hand side
		19/5	Fuel gauge	C41	6-pin connector under driver's seat		
10/82	Indicator lamp ABS			C42	2-pin connector under driver's seat	C151	2-pin connector by central electrical unit
10/83	Indicator lamp handbrake	20/1	Ignition coil	C50	8-pin connector	C156	3-pin connector by firewall
10/84	Brake warning indicator lamp	20/2	Distributor		Left wheelarch harness-Engine harness	C160	6-pin connector by dashboard
10/85	Indicator lamp high beam	20/3-6	Spark plugs	C51	8-pin connector		
10/86	Indicator lamp, oil pressure	20/15	Ballast resistor		Left wheelarch harness-Engine harness	C161	1-pin connector by firewall
10/87	Indicator lamp, charging	20/18	Blower fan resistor	C54	8-pin connector	C162	2-pin connector at B-post left
10/88	Bulb failure warning sensor indicator light				Right wheelarch harness-Engine harness		
10/89	Indicator lamp, rear fog lights	31/1	Ground terminal right front wing	C55	8-pin	C166	8-pin connector by central electrical unit
10/90	Indicator lamp, washer fluid level	31/2	Ground terminal left front wing		Right wheelarch harness-Engine harness	C167	2-pin connector by Compact Disc changer
10/91	Service Reminder Lamp (SRL)	31/3	Ground terminal bodywork (ground terminal battery-bodywork)	C63	3-pin connector by rear fog lamps left	C168	2-pin connector at right front wheelarch
10/92	Indicator lamp, trailer			C64	3-pin connector by rear fog lamps right	C300	4-pin connector at firewall (for heated oxygen sensor (HO2S))
10/93	Indicator lamp, Check engine	31/4	Engine ground point (ground terminal battery-engine)	C65	6-pin driver's door connector	C301	Connector at dashboard for vanity mirror lighting, passenger side
10/94	Indicator lamp, right turn signal lamp			C66	6-pin passenger door connector		
10/95	Indicator lamp left turn signal lamp	31/5	Ground terminal for heated rear windshield (4-door)	C72	2-pin connector driver's door		
10/96	Instrument lighting			C73	2-pin connector passenger door		
10/103	Switch lighting, heated rear window/door mirrors	31/6	Ground terminal left A pillar	C74	2-pin connector left-hand side rear door	D1	4-pin connector at dashboard
10/104	Light switch lighting	31/10	Ground terminal right A pillar	C75	2-pin connector right-hand side rear door		
10/110	Engine coolant temp. warning lamp	31/11	Ground terminal left tail lamp (5-door)	C79	4-pin connector driver's door	D5	10-pin connector tow hitch
10/113	Car alarm LED	31/13	Ground terminal in cargo compartment (4-door)	C84	2-pin connector driver's door	D7	6-pin connector outside temperature gauge
10/115	Passenger side vanity mirror lighting	31/16	Ground terminal by windshield wiper motor	C85	2-pin connector rear door driver's side		
		31/17	Ground terminal by sunroof motor	C86	2-pin connector passenger door	D19	4-pin carphone connector at A-post passenger side
11/1-26	Fuses	31/26	Ground terminal generator (GEN)	C87	2-pin connector rear door passenger side	D19	4-pin connector accessories at A-post passenger side
11/41	Fuse combined instrument panel	31/31	Ground rail in central electrical unit				
		31/32	Ground point on engine (power ground)	C89	2-pin connector at Sunroof motor		
13/1-120	Junction points	31/33	Ground point on engine (signal ground)				
		31/63	Ground terminal by steering column bracket	C91	2-pin connector by central electrical unit		
15/2	30-rail in central electrical unit	31/64	Ground point engine coolant fan (FC)				
15/9	Fused 15-rail in central electrical unit	31/66	Ground point left seat support				
		31/67	Ground point right seat support				
16/1	Radio						
16/2	Amplifier						
16/3	Loudspeaker right front door						

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