Service Manual

Cars

Section 3 (39)
Wiring diagrams
S70/V70 1998
C70 Coupé 1998

TP 3932202

VOLVO

Cars with SRS (Air bag)/SIPS bag

Warning
Cars equipped with a Supplemental Restraint System (SRS)/SIPS 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/SIPS bag system. Repair to either the SRS/SIPS bag itself or a related system or component must be carried out by an authorized Volvo workshop. Refer to the appropriate SRS and SIPS bag service manual for complete system information.

Is the car equipped with SRS?
Cars with SRS are most easily recognized by the SRS letters on the steering wheel pad. If the car is also equipped with an air bag on the passenger side, the letters 'SRS' will be embossed on the instrument panel above the glove compartment. On models from 1993 on, cars with SRS will also be equipped with pyrotechnical seat belt tensioners in the B-posts.
The SIPS bags are only installed in cars equipped with SRS systems, 1995-. Cars with SIPS bags can be recognized by the identifying labels on the windshield and on seat storage tray.

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

Center console
The SRS collision sensor is located between the handbrake and gear lever (selector) in the center console. 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 SIPS bag sensor is located in the front section of the seat storage tray. The SIPS-bag can be activated by a blow or pressure on the tray or if an object is caught between the tray and the door when the door is closed. Refer to the SIPS bag Service manual when carrying out work on the front seats.

Test terminal
Data Link Connector socket in passenger compartment.

Modifications carried out up to and including June 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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Contents

Abbreviations 3
How to use the diagrams 4
Fuses 6
Rails in the central electrical unit 9
Ignition switch 9
Relays 10
Ground points 12
Electrical distribution
- Fenix 5.2 20
- Motronic 4.3/4.4 22
- MSA 15.7 24

Connectors 26
Junction points 59
Routing of cable harnesses in the car 78

Group 23/28

Engine management system
- Fenix 5.2 88
- Motronic 4.3/4.4 92

Engine management system MSA 15.7 96

Group 26

Engine cooling fan
- Fenix 5.2, Motronic 4.3/4.4 100
- MSA 15.7 102

Group 27

Cruise control
Fenix 5.2, Motronic 4.3/4.4 104
MSA 15.7 106

Group 32/33

Power supply and starter system 108

Group 35

High and low beams 110
Headlamp range adjustment 112
Fog lamp
- C70 114
- S70/V70 116

Parking lamps, tail lamp and license plate lighting
- C70 118
- S70 120
- V70 122

Stop (brake) lamps
- C70 124
- S70 126
- V70 128

Back-up (reversing) lamps 130
Interior lighting
- C70 132
- S70/V70 134

Instrument and control lighting 136

Group 36

Turn signal lamp and hazard warning signal flasher
- C70 138
- S70 140
- V70 142

Horn 144
Wipers
- Windshield 146
- Headlamp 146
- Rear windshield 148

Cigarette lighter / 12V-output 150
Anti-theft alarm
- C70 152
- S70/V70 154

Immobilizer
- Fenix 5.2, Motronic 4.3/4.4 156
- MSA 15.7 158

Group 37

On board diagnostic system (OBD)
- Fenix 5.2, Motronic 4.3/4.4 160
- MSA 15.7 162

Tow hitch wiring
- C70 164

Accessory wiring 166
Cool box wiring 168

Group 38

Seat belt reminder 170
Seat belt reminder and key warning
- USA, Canada and Korea 172
- Australia 174

Combined instrument panel 176

Continued on next page

Order number TP3932202
Replaces the previous manuals TP3922201, TP3931201 and TP3932201

We reserve the right to make alterations without prior notification

Contents

Group 39

Radio
- C70 182
- S70 184
- V70 186

Radio with 4x50 W extra amplifier
- S70 188
- V70 192

RTI Road Traffic Information
- C70 196
- S70/V70 198

Group 43

Electronically controlled automatic transmission
AW 50-42
- Fenix 5.2, Motronic 4.3/4.4 200
- MSA 15.7 202

P-shift lock, automatic transmission 204

Group 59

ABS Brake system and TRACS 206

Group 83

Power windows
- C70 208
- S70/V70 210

Central locking
- C70 212
- S70 216
- V70 220

Power sunroof 224

Group 84

Heated rear window and
heated door mirrors 226
Power door mirrors 228

Group 85

Electrically heated seats 230
Heated rear seat 232
Power seats 234

Group 87

Standard heater 236
Manual climate control MCC
- Fenix 5.2, Motronic 4.3/4.4 238
- MSA 15.7 240

Electronic climate control ECC
- Fenix 5.2, Motronic 4.3/4.4 242
- MSA 15.7 244

Additional heater 246
Cargo compartment fans 248
Exhaust temperature switch 250

Group 88

SRS Supplemental Restraint System 252
Rear view mirror with automatic dimming 254
Function diagrams 256
Index 293
List of components (see foldout) ..... at end of manual
Feedback ..... last page of this manual

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

Countries/Markets:

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

Colors:

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

Other:

ALTER	= Alternative
AUTO	= Automatic transmission
AWD	= All wheel drive
C70	= 2-door
EARLY	= Early version
EXC	= Exclusive
GA	= Anti-theft alarm
IMMO	= Immobilizer
LATE	= Late version
LH	= Left-hand side
LHD	= Left-hand drive
MAN	= Manual transmission
OTHERS	= Others
RH	= Right-hand side
RHD	= Right-hand drive
S70	= 4-door
V70	= 5-door
W/O	= Without

USA and Canada:

MOD1	= Early version, S70 -CH 459999 V70 -CH 395001
MOD2	= Late version, S70 CH 460000- V70 CH 395002- C70 all

Markets outside USA and Canada:

MOD1	= Model year 1997
MOD2	= Model year 1998

How to use the diagrams

A. Component designation

Each component has a component designation. This consists of a type number and a component number.

There is a list of component designations at the end of the book where you can obtain the components names.

B. Type number

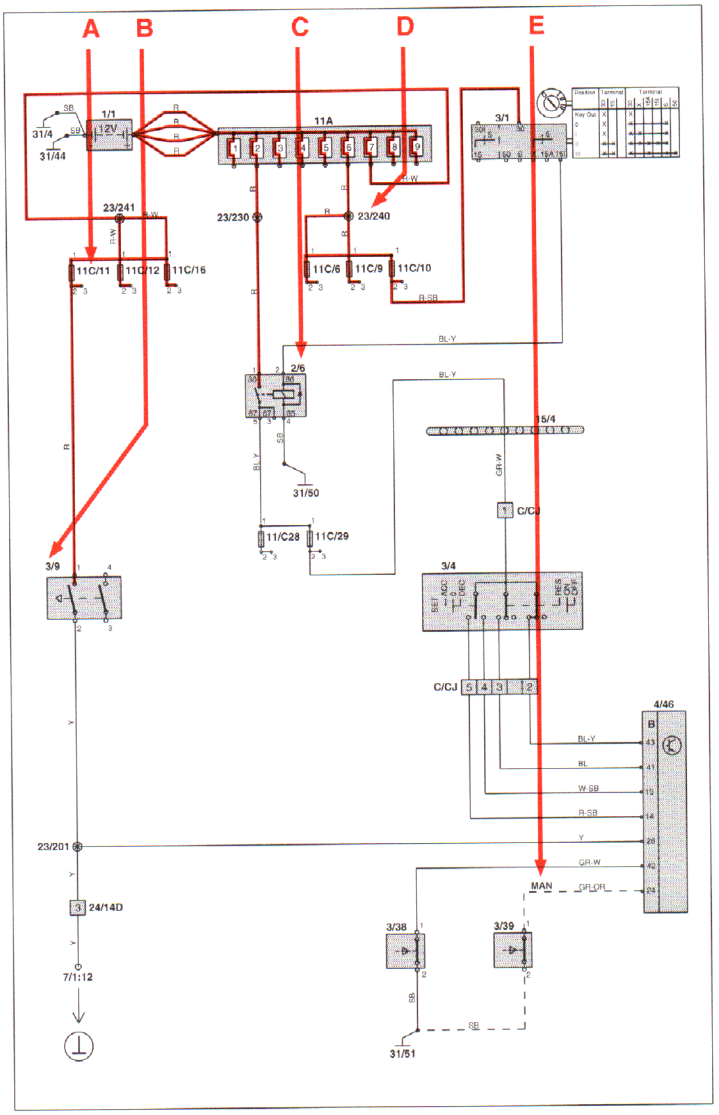
The first part of the component designation indicates what type of component it is, for example switch, electric motor, etc.

Type numbers:

1 Battery
2 Relay
3 Switch
4 Control module
5 Combined instrument panel
6 Electric motor
7 Sensor
8 Actuator
9 Heater pad
10 Lamp
11 Fuse
13 Junction point
15 Distribution rail, power supply
16 Audio
17 Service/ On board diagnostic system (OBD)
18 Contact reel
19 Gauges
20 Ignition components/ resistors
23 Junction point
24 Connectors
31 Ground point
33 Junction point
34 Terminal block/-bridge
A Connector
B Connector
C Connector
D Connector

C. Component number

The second part of the component designation indicates which specific component it is, light switch, central locking motor, etc.



Explanation of symbols

= No voltage

= System voltage

= Voltage less than system voltage

= Pulsed voltage

= Ground point

= Shielded cable

= Junction point

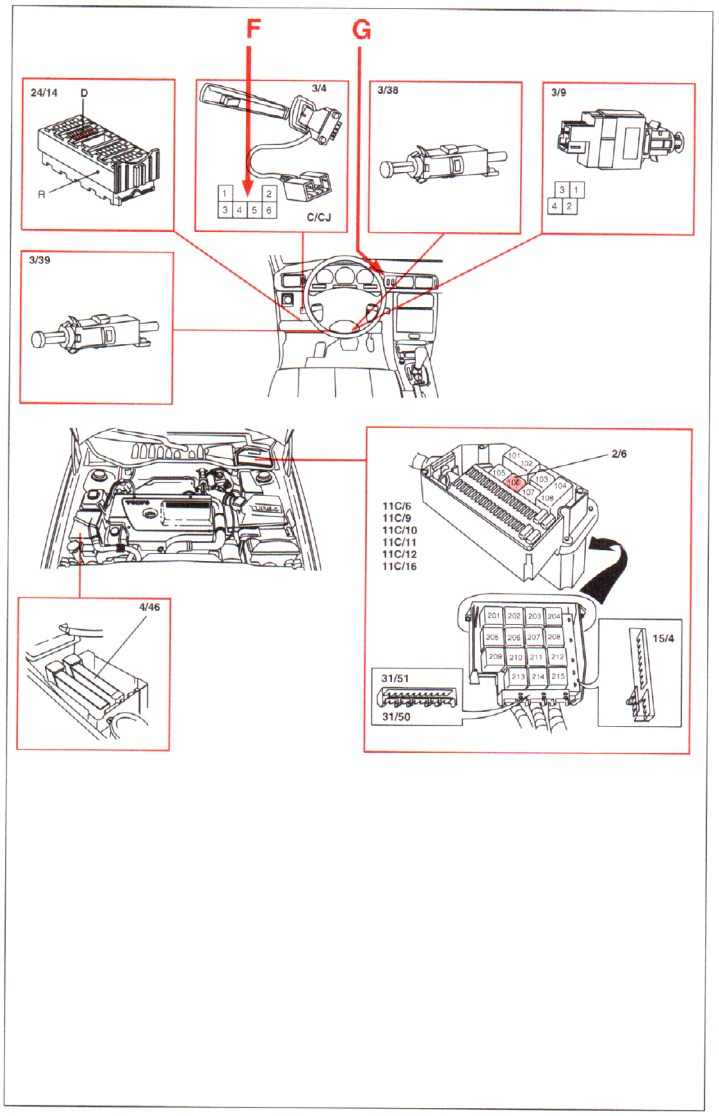
= Twinned cables

= Electrical connection

= No electrical connection

= Variant

= The cable continues to component



D. Junction points

The junction points are numbered. In an illustration of the different junction points you can see which other components the junction point is connected.

E. Abbreviations

There are a number of abbreviations used in the book. These are explained in the chapter "Abbreviations".

Example. BN-SB = Brown-black

F. Components

This shows which different positions the different cables are connected to on the relevant component.

G. Location of components

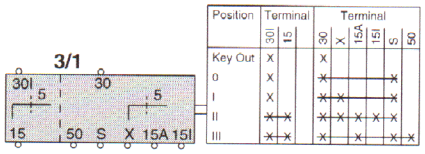
It shows where the function components are placed.

Table

Certain complicated multi-point switches are described using a table, see the example below.

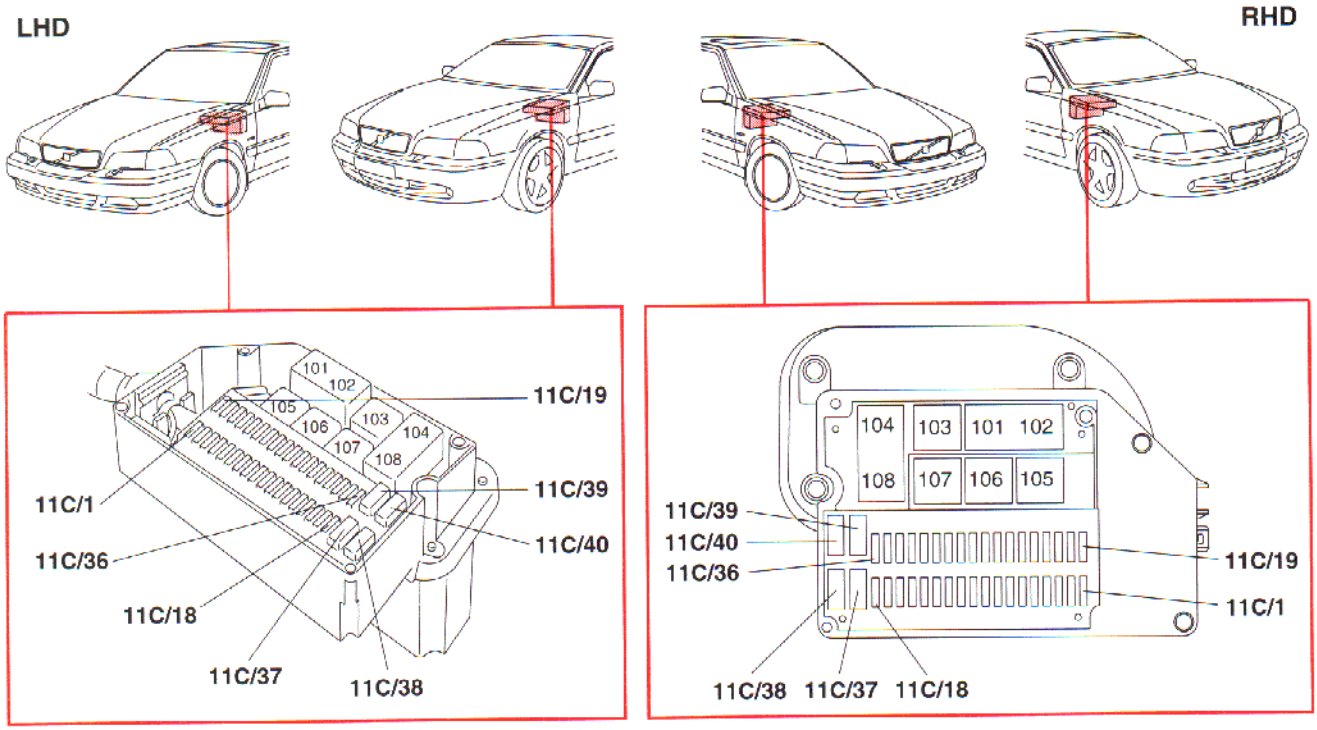
The table is used to read off when the terminals are electrically connected to each other.

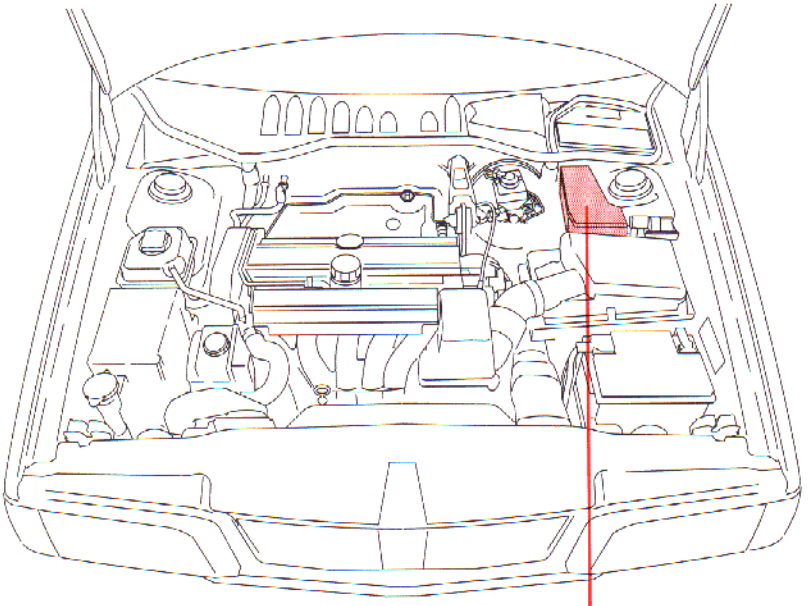
Example. In position III, terminal 30 is connected to terminal 15A, S, and 50.

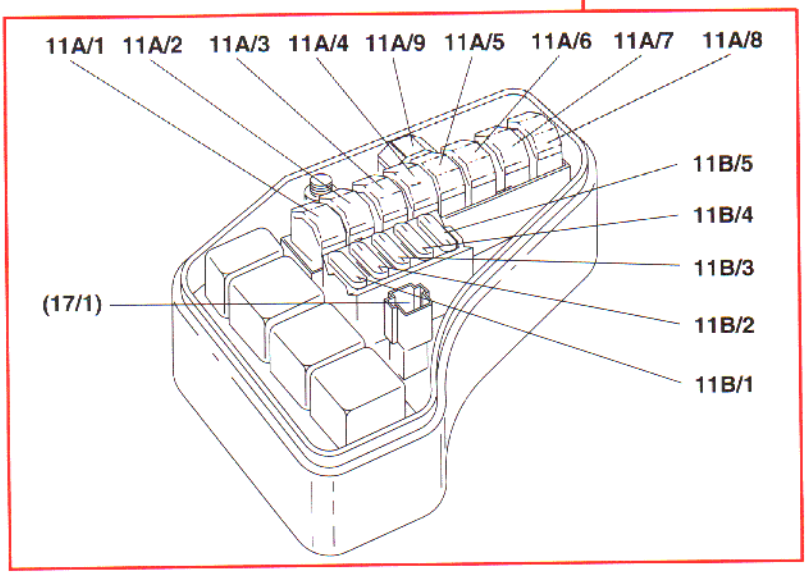


Position	Terminal		Terminal					
	30I	15	30	X	15A	15I	S	50
Key Out	X		X					
0	X		X					X
I	X		X	X				X
II	X	X	X	X	X	X	X	
III	X	X	X		X		X	X

Fuses


LHD
RHD
101
102
105
106
103
104
107
108
11C/19
11C/1
11C/39
11C/36
11C/40
11C/18
11C/37
11C/38
104
103
101
102
108
107
106
105
11C/39
11C/40
11C/36
11C/19
11C/1
11C/38
11C/37
11C/18




11A/1
11A/2
11A/3
11A/4
11A/9
11A/5
11A/6
11A/7
11A/8
11B/5
11B/4
11B/3
(17/1)
11B/2
11B/1

Fuses,11A/1-9, in relay/fuse box in engine compartment

No.	Fuse function	A
11A/1	Engine cooling fan (FC)	60
11A/2	Fuses 11C/26-29 via overload relay 15I, Fuses 11C/33-37 via overload relay X	50
11A/3	Starter motor, Pulsed secondary air injection system (PAIR) pump, Diesel heater plugs coolant	50
11A/4	ABS control module	50
11A/5	Main headlamp relay with bulb failure warning sensor	50
11A/6	Fuses 11C/5-10	60
11A/7	Fuses 11C/11-17 and Fuses 11C/39-40	50
11A/8	Fuse 11B/1, Fuses 11B/2-5 via main relay fuel injection system	60
11A/9	Glow plugs 1-5 via Glow plug relay (Diesels)	80

Fuses, 11B/1-5, in relay fusebox in engine compartment

No.	Fuse function	A
11B/1	Ignition switch, Engine control module (ECM), Control module AW 50-42, Main relay fuel injection system (Motronic 4.3/4.4)	10
11B/2	Engine control module (ECM), Injectors, Idle air control (IAC) valve, Mass air flow (MAF) sensor, Fuel injection pump (Diesel), Injection timing valve (Diesel)	10
11B/3	Fuel pump (FP), Ignition discharge module (IDM) and ignition coil, Glow plug relay (Diesel), Heater plug coolant (Diesel), Turbocharger (TC) control valve (Diesel), EGR converter (Diesel), PTC resistor air preheating (Diesel)	20 (15 Diesel)
11B/4	Control module AW 50-42	10
11B/5	Air conditioning (A/C) relay, Heated oxygen sensor (HO2S) front, Heated oxygen sensor back, Canister purge (CP) valve, Solenoid valve pulsed secondary air injection system (PAIR), EVAP canister shut-off valve, Pulsed secondary air injection system (PAIR) pump relay, Turbocharger (TC) control valve, PTC resistor air preheating	10

Fuses, 11C/1-40, in the central electrical unit

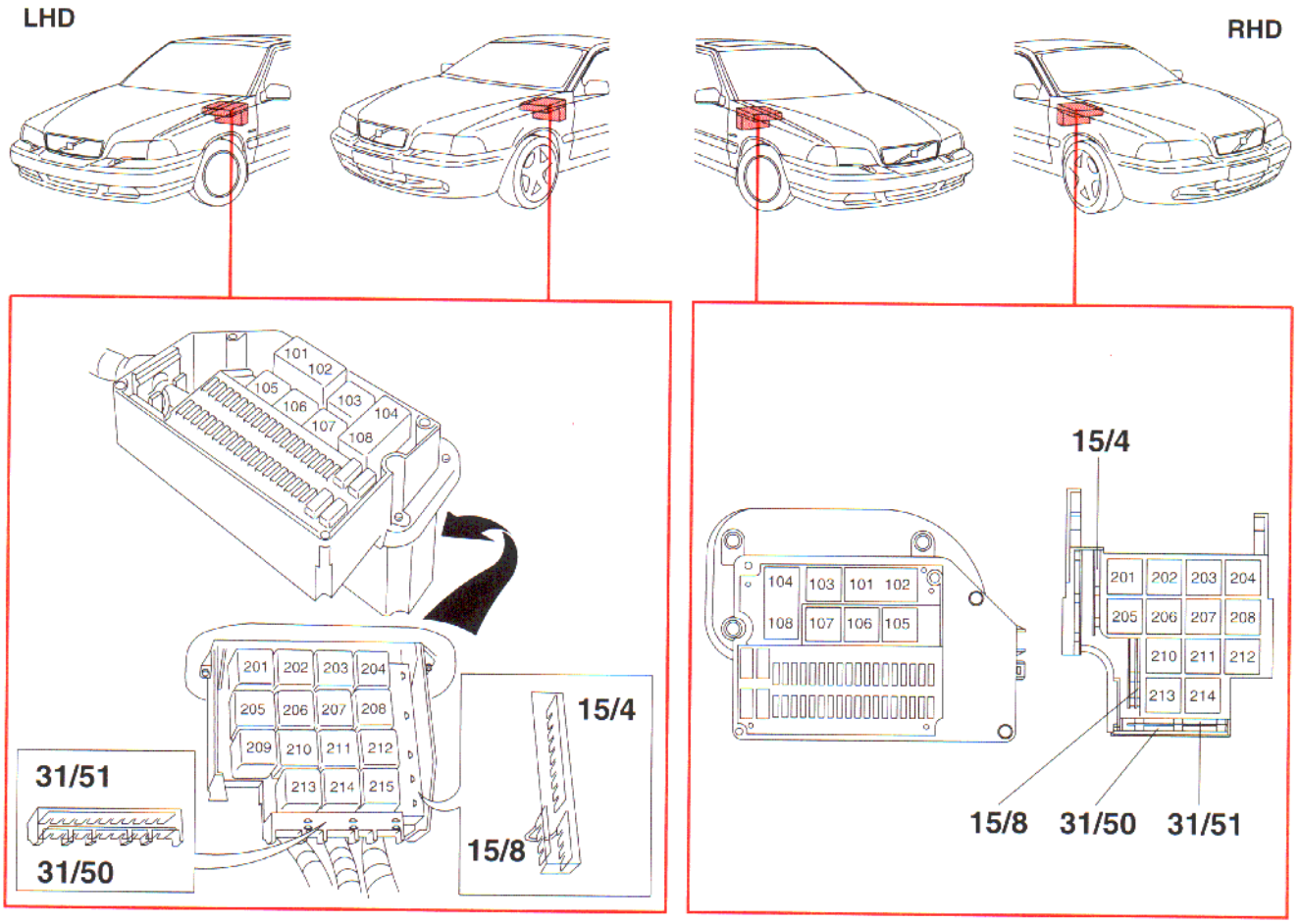
No.	Fuse function	A
11C/1	-	-
11C/2	Control module central locking/anti-theft alarm, Mode selector AW 50-42, Control module RTI	10
11C/3	ABS control module	10
11C/4	Immobilizer	10
11C/5	Climate control, Data link connector (DLC)	15
11C/6	control module central locking/anti-theft alarm, Alarm siren, Movement detector (S70/V70)	20
11C/7	Radio/Amplifier	15
11C/8	Immobilizer, Combined instrument panel, Light switch	15
11C/9	Heated rear seat (S70/V70), Amplifier (C70)	20
11C/10	Ignition switch	15
11C/11	Stop (brake) lamp	10
11C/12	Engine coolant heater (Diesel), Amplifier (C70)	20
11C/13	Turn signal lamp/Hazard warning signal flasher, Headlight flash, Control module central locking/anti-theft alarm, Remote controlled central locking/anti-theft alarm, Glass breakage sensor	15
11C/14	Heated rear windshield, Heated door mirrors	30
11C/15	Courtesy lighting, Glove compartment lighting, Footwell courtesy lighting, Door open warning lamps, Cargo compartment lighting, Seat belt reminder, Control module RTI, CD-player RTI, Display RTI	10
11C/16	Power antenna, CD player, Trailer output socket (S70/V70), Accessories, Tow hitch (C70)	30
11C/17	Front fog lamps	20
11C/18	Key warning, Control module central locking/anti-theft alarm	10
11C/19	Left high beam, Accessory	15
11C/20	Right high beam, High beam warning lamp	15
11C/21	Left low beam	15
11C/22	Right low beam	15
11C/23	Parking lamps, Tail lamp, License (number) plate lighting	10
11C/24	Parking lamps, Tail lamp, Bulb failure warning sensor	10
11C/25	Fog tail lamp, Tail fog lamp indicator lamp	10
11C/26	Light switch	15
11C/27	Back-up (reversing) lamp, Turn signal lamp	15
11C/28	Heated seats, Heated rear seat (S70/V70)	25
11C/29	*15-rail (15/4):* Rear demist, Heated door mirrors, Seat belt reminder, Cruise control, Bulb failure warning sensor Germany, Alarm siren, Shift lock, Exhaust temperature sensor, Engine coolant heater (Diesel), Tow hitch (C70)	10
11C/30	Cigarette lighter/12V front outlet, Control module RTI, CD-player RTI, Display RTI	15
11C/31	Climate control	25
11C/32	Radio/Amplifier	10
11C/33	*X-rail(15/8):* Beam width control, rear windshield wash/wipe	15
11C/34	Horn, Windshield wash/wipe, Headlamp wash/wipe, Horn	25
11C/35	Instrument and control panel lighting, ashtray lighting, Power sun roof, (Accessories), Rear view mirror (C70)	10
11C/36	Cigarette lighter/12V outlet back, Power seats	15

Automatic fuses

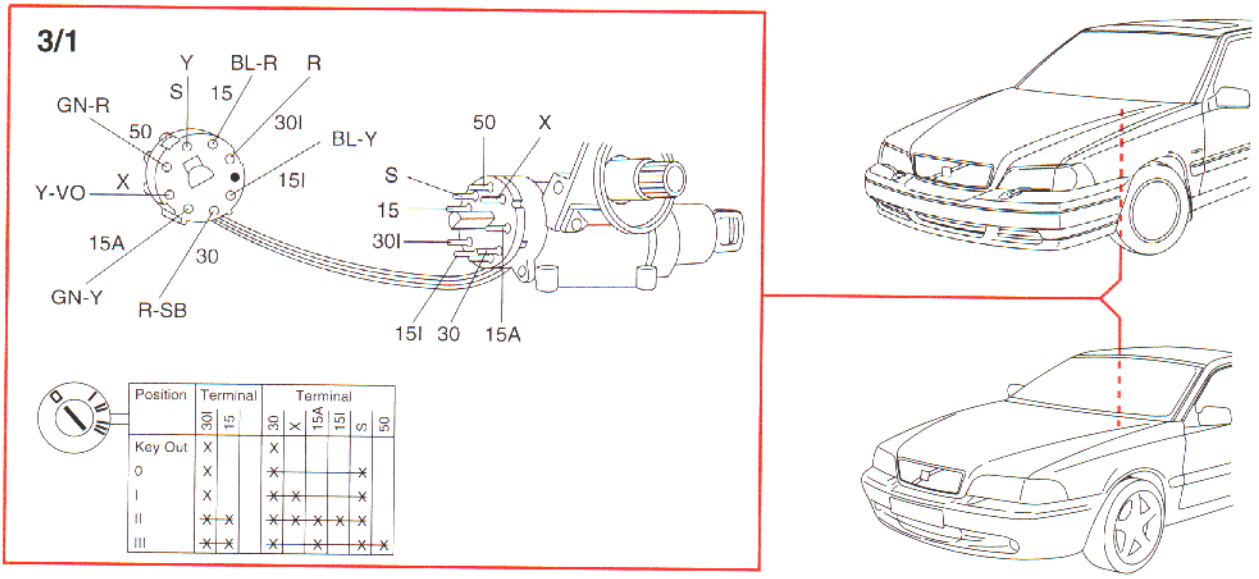
11C/37	Power windows, Power sunroof
11C/38	-
11C/39	Left power seat
11C/40	Right power seat

Rails in the central electrical unit

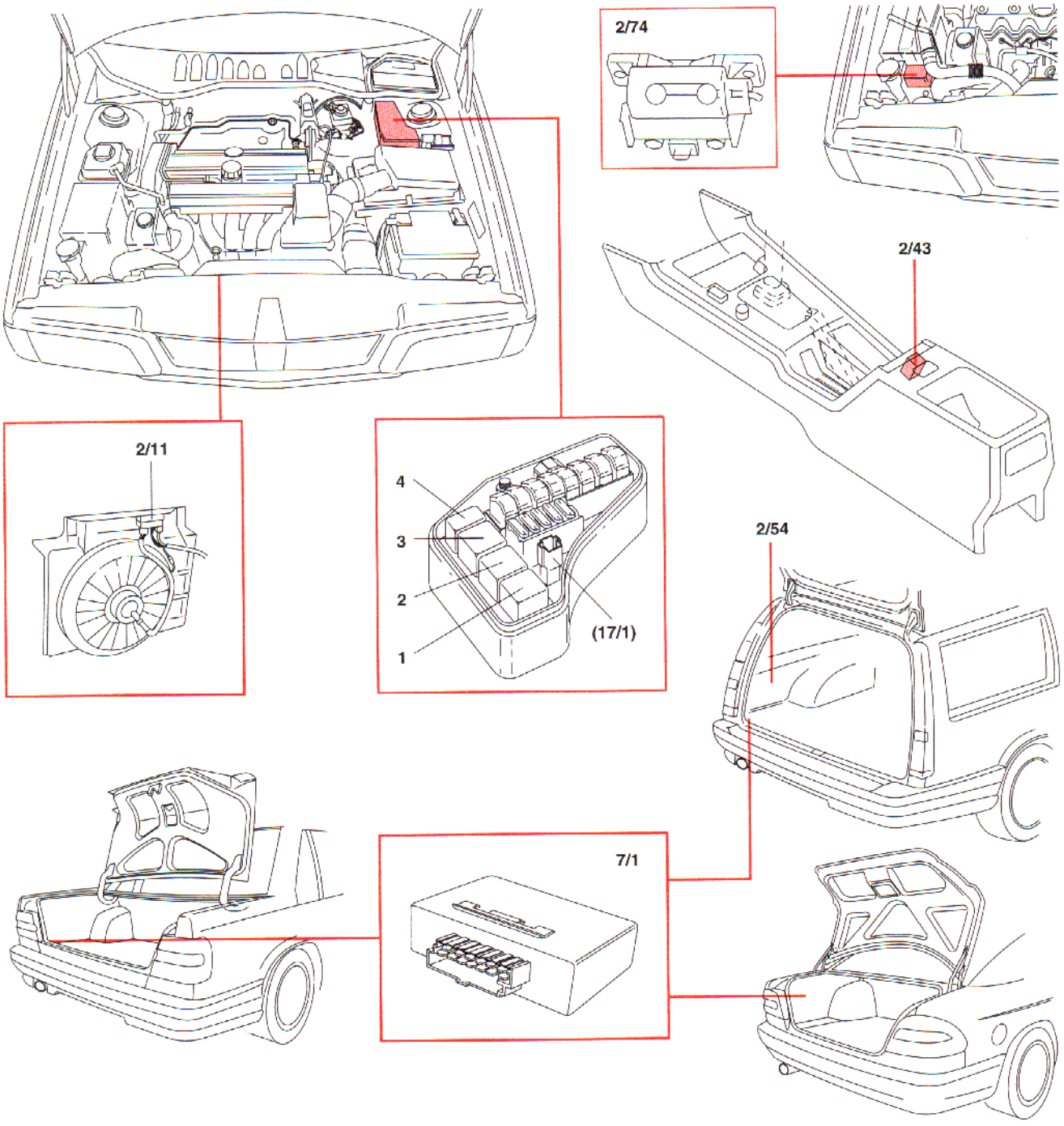
15/4	15I-rail
15/8	X-rail
31/50	Ground rail (power ground)
31/51	Ground rail (signal ground)

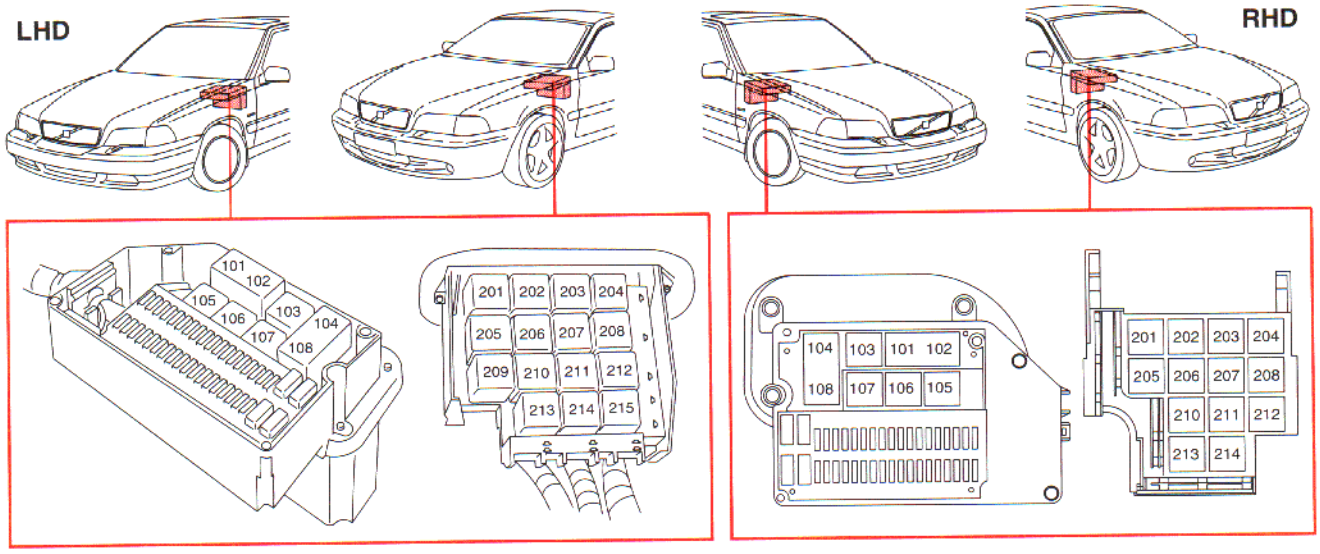


Ignition switch



Relays


2/74
2/43
2/11
4
3
2
1
(17/1)
2/54
7/1


LHD
RHD
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102
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214

Relays in the relay/fusebox, in the engine compartment

1	Main relay fuel injection system (2/32)
2	Relay, pulsed secondary air injection system (PAIR) pump (2/53) (S70/V70) Alternatively Glow plug relay (diesels) (2/14)
3	Relay starter motor (2/35)
4	Relay A/C (2/22)

Relays in central electrical unit

101-102	Control module, cruise control (4/3)
103	Relay fuel pump (FP) (2/23)
104, 108	Headlamp relay with bulb failure warning sensor (2/1)
105	Overload relay X-supply (2/30)
106	Overload relay 15I-supply (2/6)
201	Fog lamp relay (2/2)
202	Relay alarm horn (2/77)
203	Intermittent wiper relay (2/4)
204	Intermittent wiper relay rear windshield (2/16)
205	Relay left heated seat (2/56) (C70)
206	Relay right heated seat (2/57) (C70)
207	Relay exhaust temperature switch (2/15)
208	Relay heated rear windshield/door mirrors (2/44)
212	Relay seat belt reminder/key warning (2/5)
213	Front fog lamps, bridge (34/13)

Other relays

2/11 Relay engine coolant fan (FC)

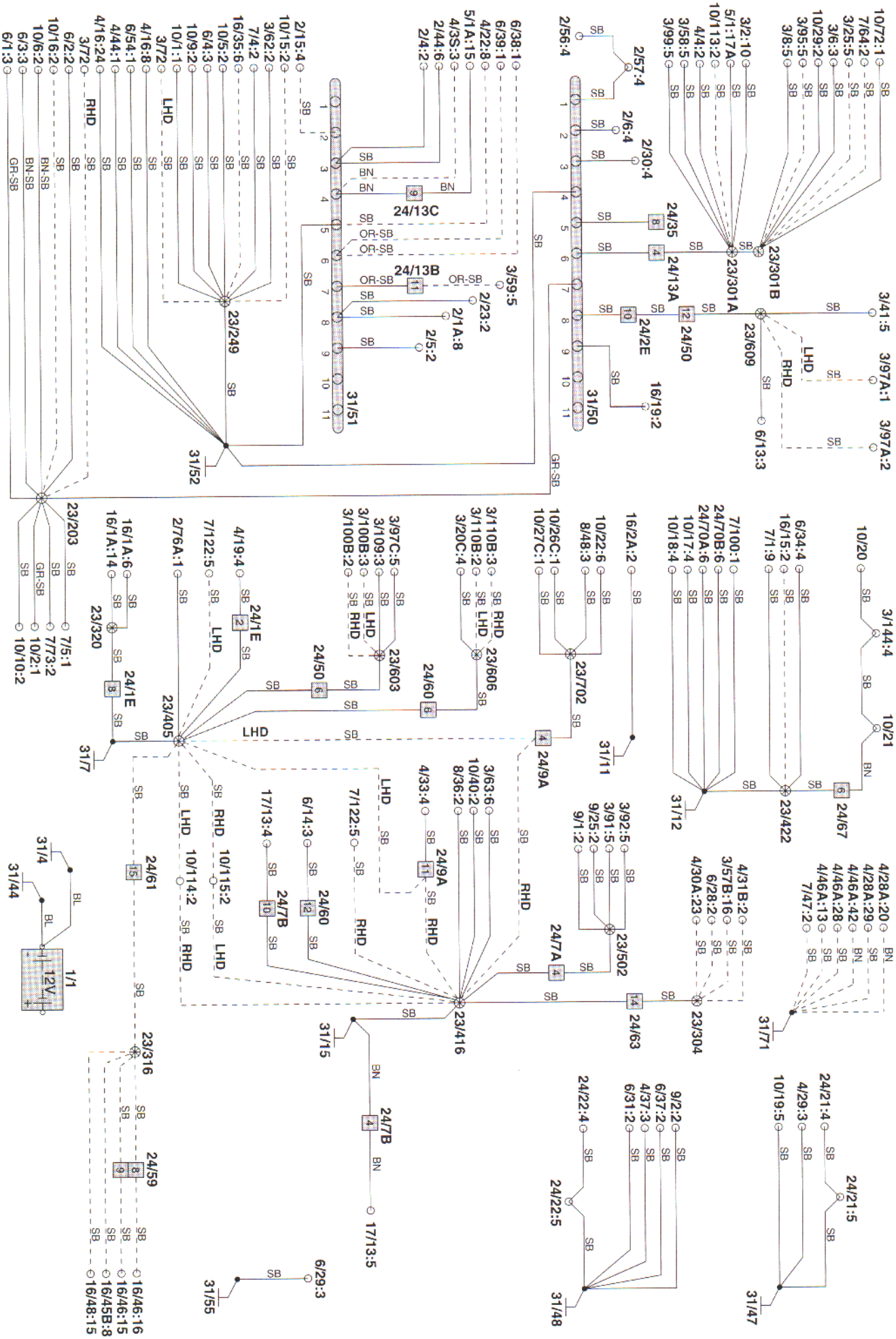
2/43 Relay heated rear seat (S70/V70)

2/54 Relay coolbox (V70)

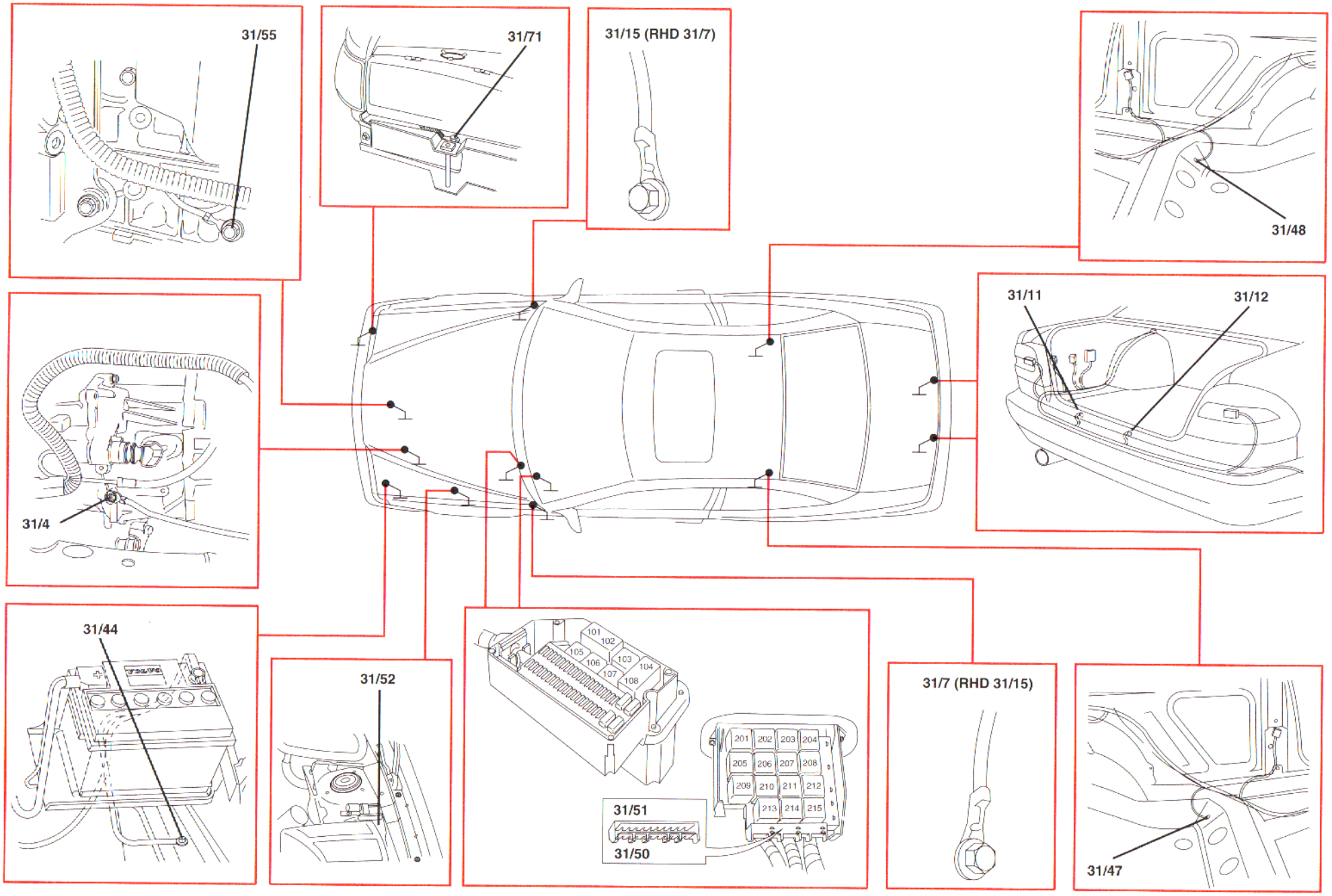
2/74 Relay heating plugs coolant (Diesel)

7/1 Bulb failure warning sensor rear

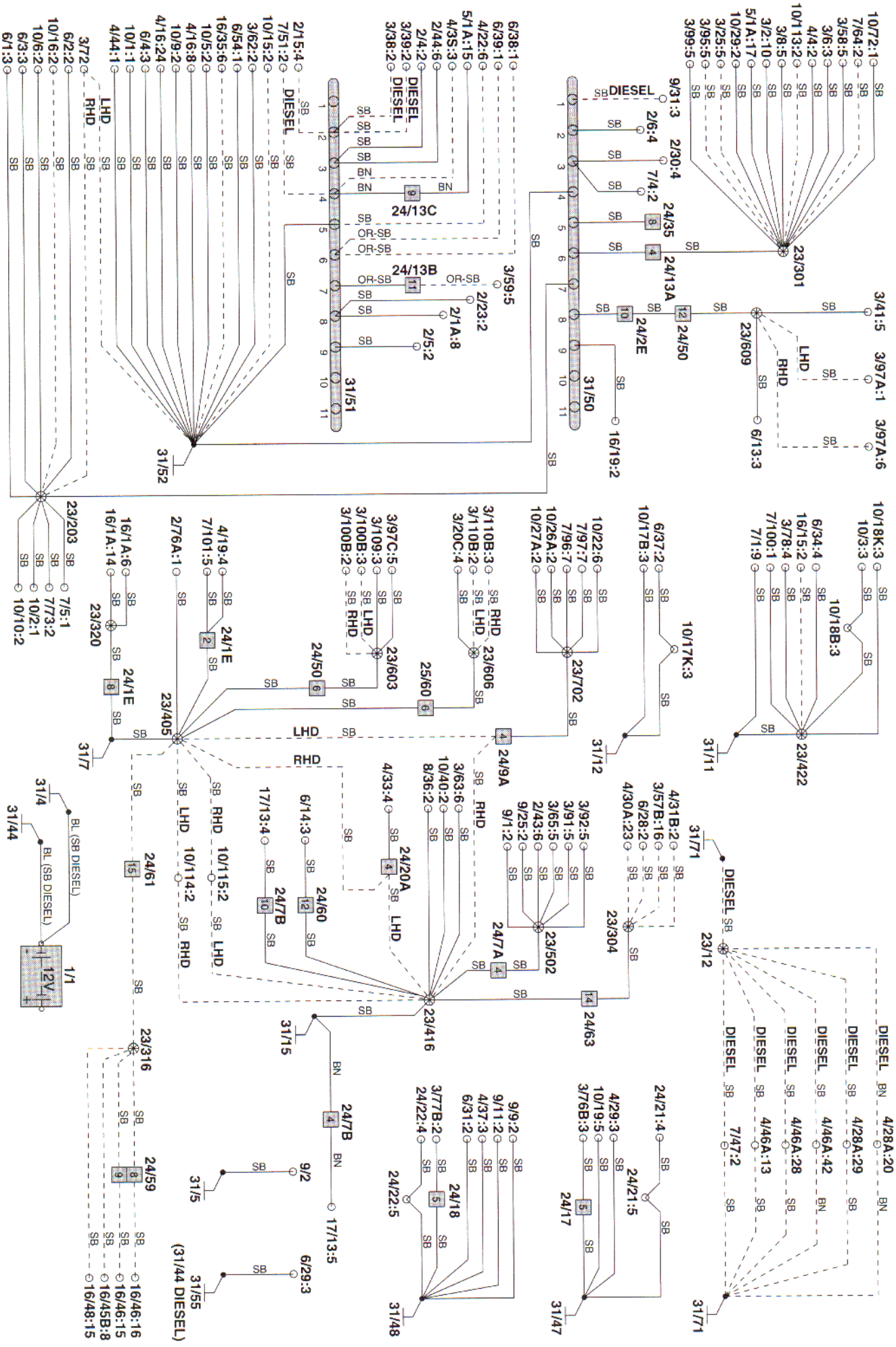
Ground points
C70

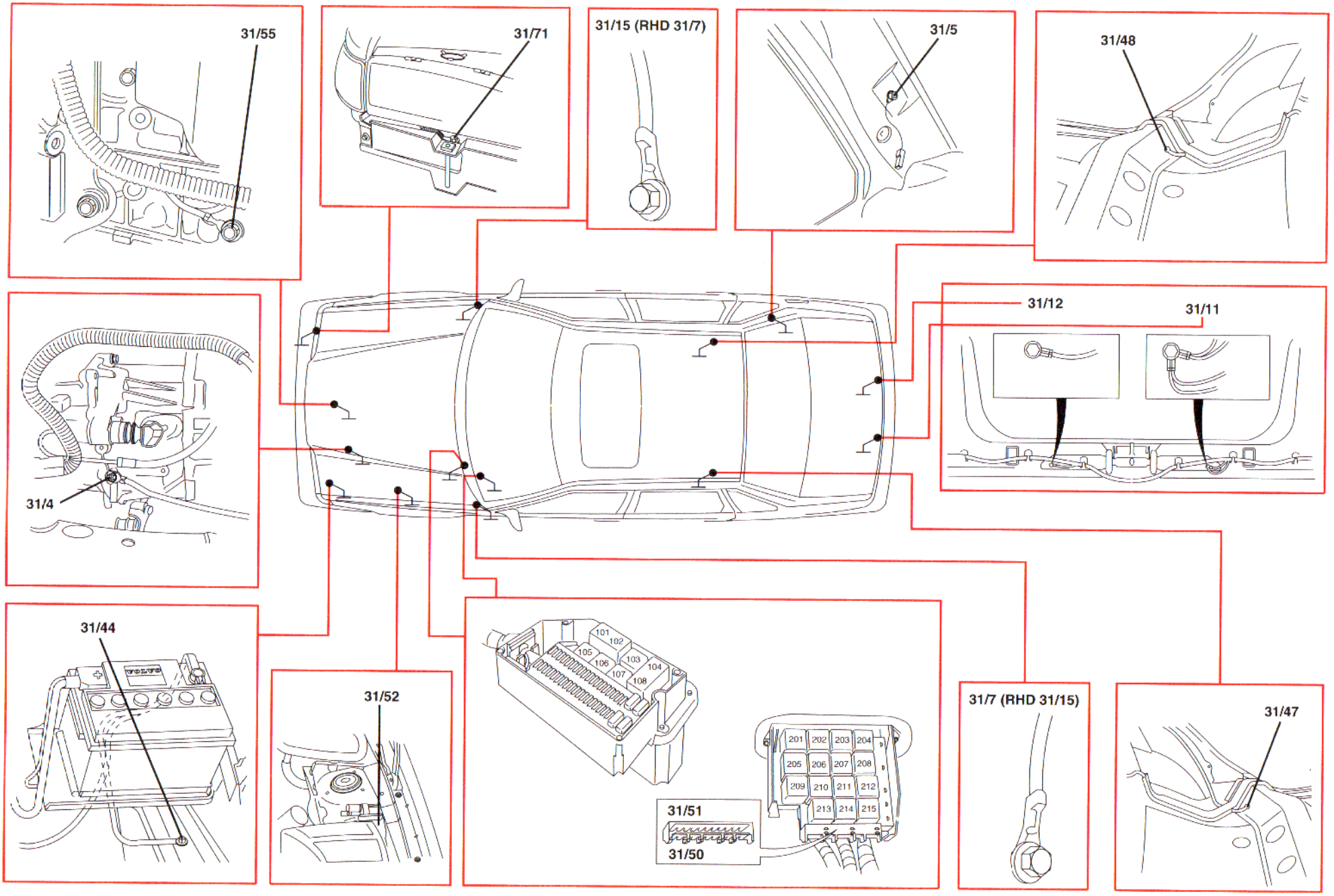


Ground points C70

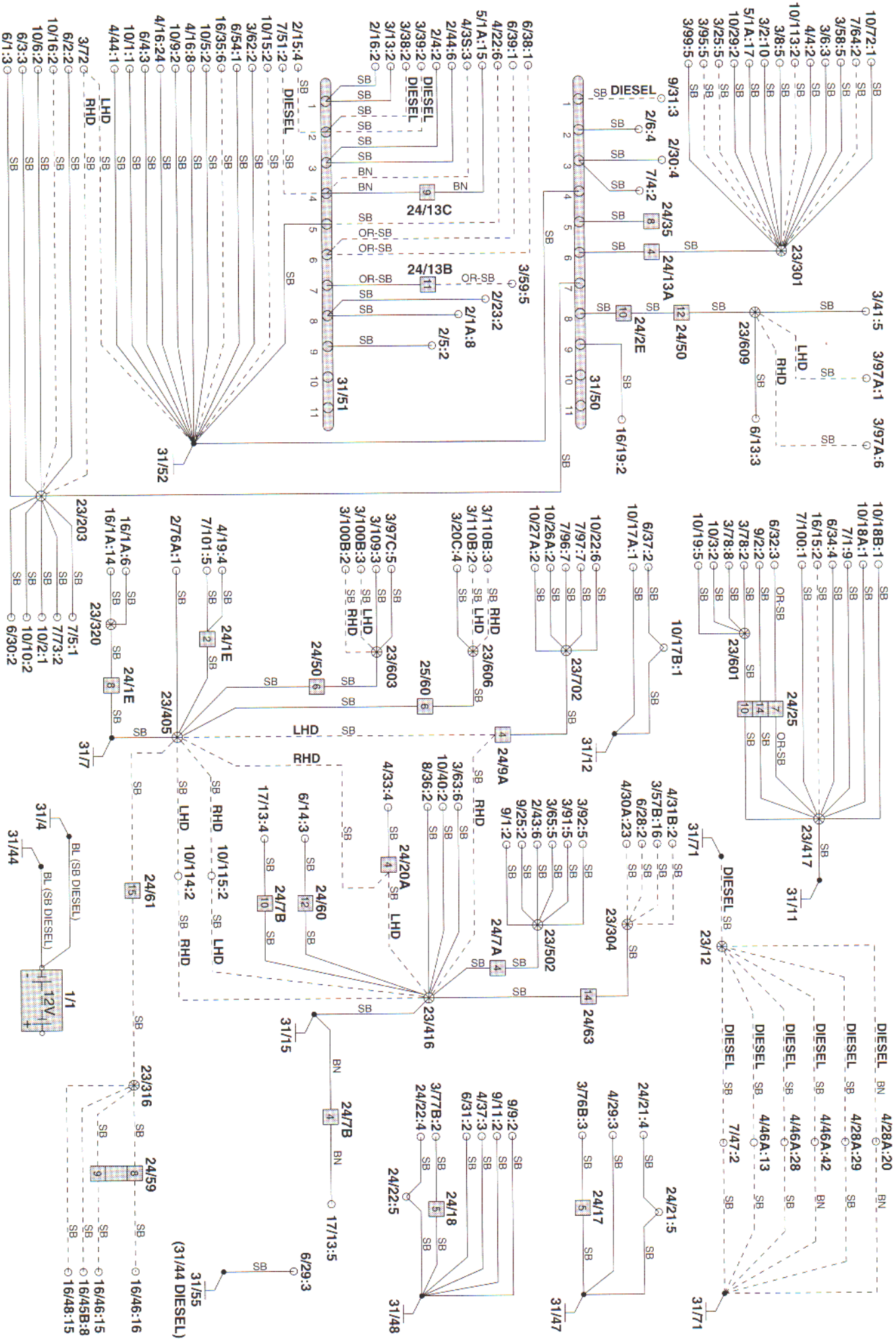


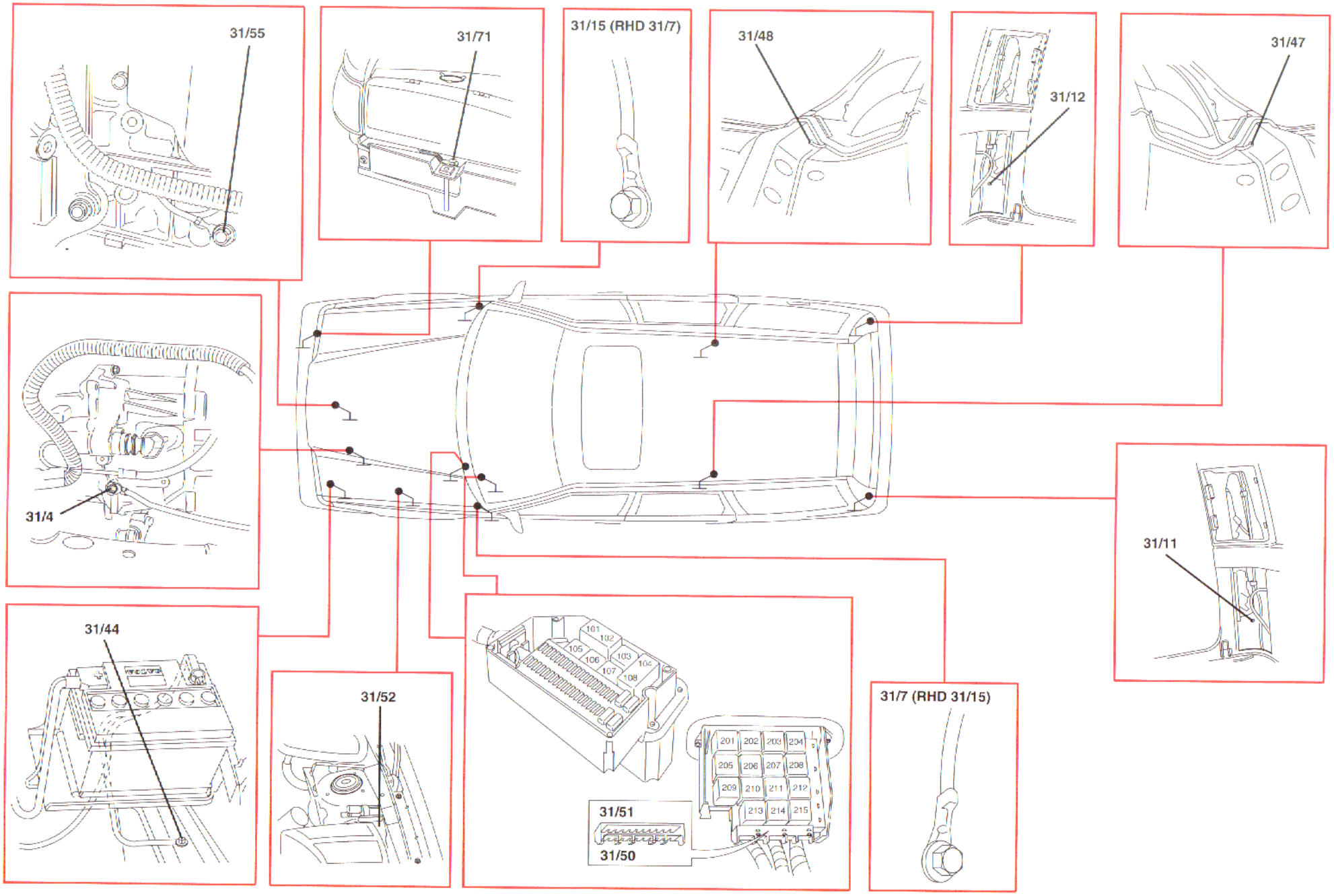
Ground points
S70




31/55
31/71
31/15 (RHD 31/7)
31/5
31/48
31/12
31/11
31/4
31/44
31/52
101
102
103
104
105
106
107
108
201
202
203
204
205
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208
209
210
211
212
213
214
215
31/51
31/50
31/7 (RHD 31/15)
31/47

Ground points
V70




31/55
31/71
31/15 (RHD 31/7)
31/48
31/12
31/47
31/4
31/11
31/44
31/52
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103
104
105
106
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207
208
209
210
211
212
213
214
215
31/51
31/50
31/7 (RHD 31/15)

Ground points

31/4	Battery

31/5	Rear demist (S70)

31/7	Lock unit driver's door
	Lock unit passenger door
	Passenger compartment courtesy light (LHD)
	Reading light back left (LHD)
	Reading light back right (LHD)
	Vanity mirror lighting left side (LHD)
	Vanity mirror lighting right side (RHD)
	Movement sensor left side (LHD)
	Movement sensor right side (LHD)
	Control module central locking/anti-theft alarm
	Control module power sun roof (RHD)
	Radio
	Glass breakage sensor
	Remote-controlled central locking/alarm
	Power window switch driver's door
	Power window switch passenger door
	Switch trunk lid/fuel tank filler cover
	Display RTI
	Control module RTI
	CD-player RTI
	Amplifier

31/11	Lock unit tailgate
	Bulb failure warning sensor rear
	Power antenna
	Left tail lamp
	License (Number) plate lighting
	High-mounted stop (brake) lamps (V70)
	Tailgate wiper motor
	Rear demist (V70)
	CD changer
	Left fan cargo compartment
	Antenna amplifier
	Tilt sensor

31/12	Right tail lamp unit
	Right fan cargo compartment
	Central locking motor fuel tank filler cover

31/15	Climate control system
	Mode selector AW 50-42
	Heated rear seat switch
	Heated seat switch left
	Heated seat switch right
	Control module ECC
	Power unit blower fan
	Control module power sunroof (LHD)
	Blower fan (Not ECC)
	Heated door mirror passenger side
	Shift lock solenoid
	Cigarette lighter/12V outlet front
	Cigarette lighter/12V outlet back
	Passenger compartment courtesy light (RHD)
	Reading lamp left rear (RHD)
	Reading lamp right rear (RHD)
	Gear selector light
	Vanity mirror lighting left side (LHD)
	Vanity mirror lighting right side (RHD)
	Data link connector (DLC)
	Heated rear seat relay
	Movement detector
	Movement sensor left side (RHD)
	Movement sensor right side (RHD)

31/44	Battery
	Engine cooling fan (FC) (Diesel)

31/47	Lock unit left rear
	Seat belt lock, left front seat (LHD)
	Control module left seat
	Backrest heater pad left seat
	High-mounted stop (brake) lamps (C70/S70)

31/48	Lock unit right rear
	Seat belt lock, right front seat (RHD)
	Control module right seat
	Fuel pump
	Backrest heater pad right seat
	Backrest heater pad rear seat left side
	Backrest heater pad rear seat right side

31/50	Overload relay X-supply
	Overload relay 15l-supply
	Light switch
	Hazard lights switch with flasher relay
	Heated rear window/door mirrors switch
	Power sunroof switch
	Fog tail lamp switch
	TRACS switch
	Rheostat
	Combined instrument panel
	Windshield wiper motor
	Washer motor front
	Washer motor rear windshield
	Coolant level sensor
	Washer fluid level sensor
	Right side turn signal flasher
	Glove box lighting
	Ashtray lighting
	Indicator LED alarm/immobilizer
	Alarm horn
	Accessories connector
	Kickdown switch throttle mechanism (RHD)
	Right front fog lamp
	Right parking lamps and turn signal lamp front
	Right headlamp washer motor
	Front foglamp switch
	Power door mirror switch
	Power window switch driver's door
	Heated door mirror driver's side
	Cabin temperature sensor
	Engine coolant heater
	Cargo compartment fan switch
	Sun sensor ECC and indicator LED alarm/immobilizer
	Radio
	Right front lamp unit

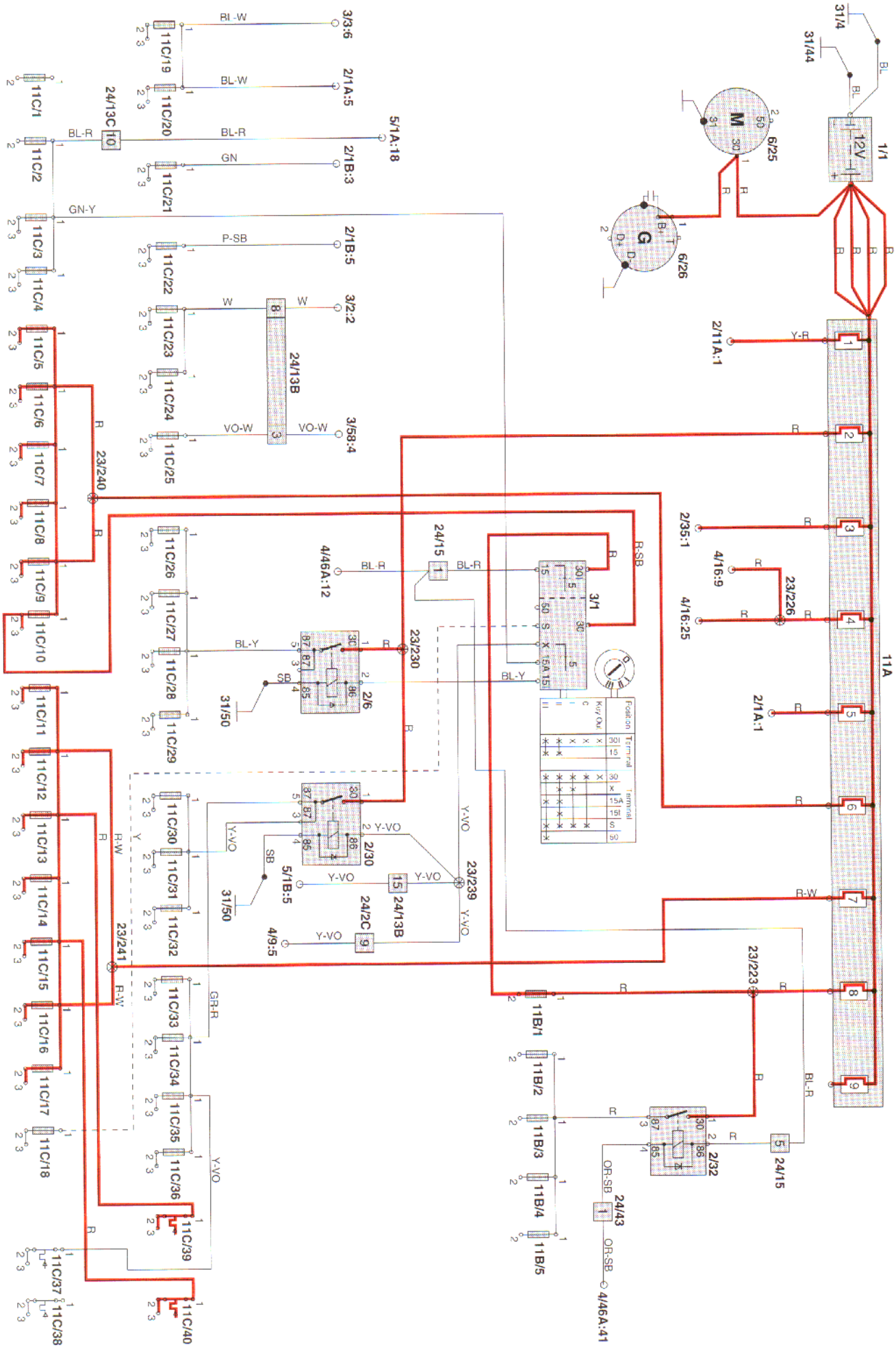
31/51	Accelerator pedal (AP) position sensor
	Main headlamp relay with bulb failure warning sensor
	Intermittent wiper relay windscreen wiper
	Relay seat belt reminder/ key warning
	Relay exhaust temperature switch
	Intermittent tailgate wiper relay
	Relay fuel pump (FP)
	Heated rear window/door mirrors relay
	Switch tailgate wash/wiper
	Headlamp range adjuster
	Control module, cruise control
	Combined instrument panel
	Headlamp height adjustment motor, left
	Headlamp height adjustment motor, right
	Electronic start inhibitor (Immobilizer)
	Brake switch (Diesel)
	Clutch pedal (Diesel)

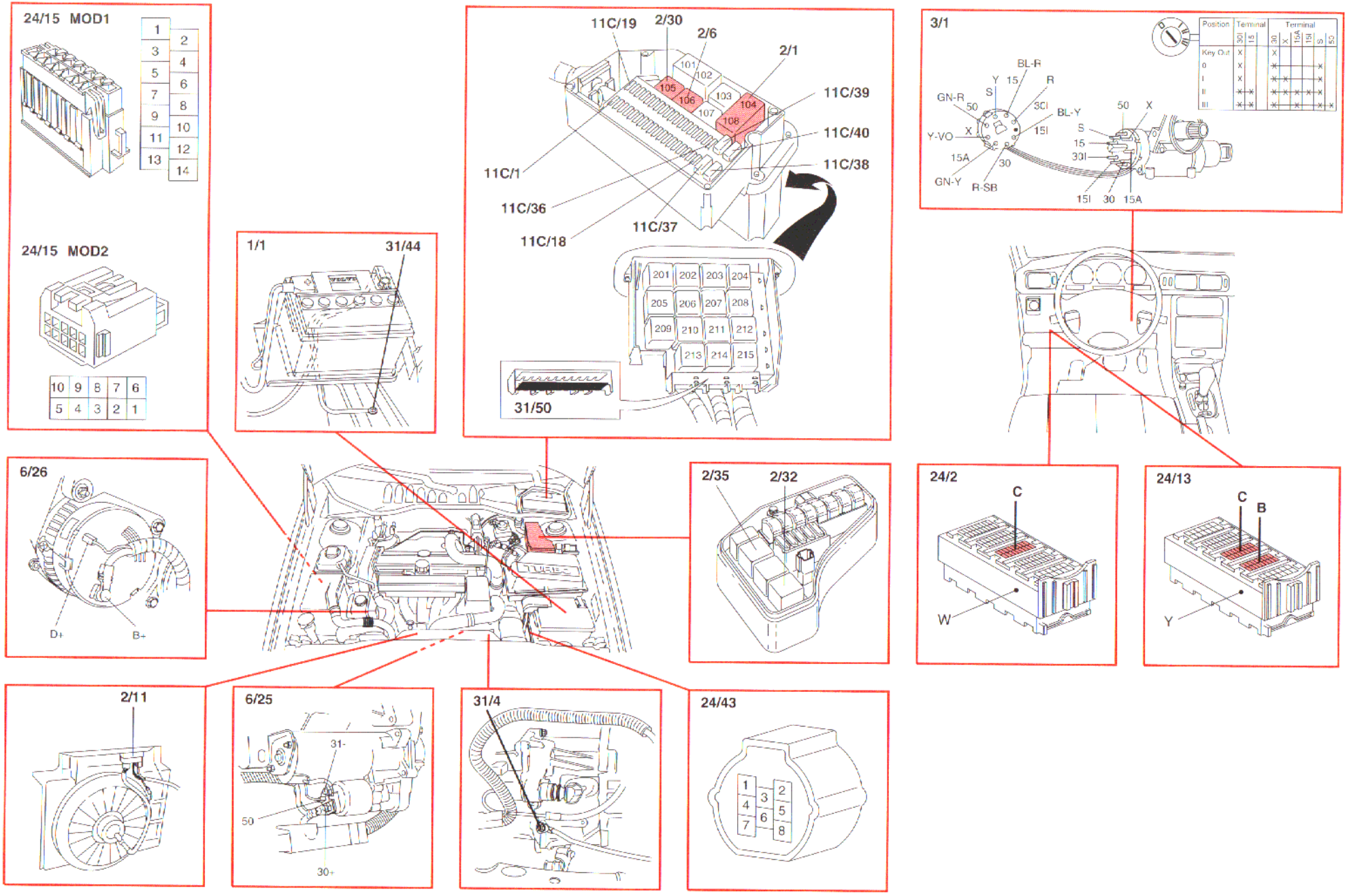
31/52	Ignition discharge module (IDM) and ignition coil
	Ground rail power ground
	Ground rail signal ground
	Left side flasher unit
	Alarm switch hood
	Pulsed secondary air injection system (PAIR) pump
	Alarm siren
	Left front fog lamp
	ABS control module
	Left parking lamps and turn signal lamp front
	Left headlamp washer motor
	Left front lamp unit
	Engine coolant heater (Diesel)
	Brake fluid level sensor
	Kickdown switch throttle mechanism (LHD)

31/55	Engine cooling fan (FC)(Gasoline)

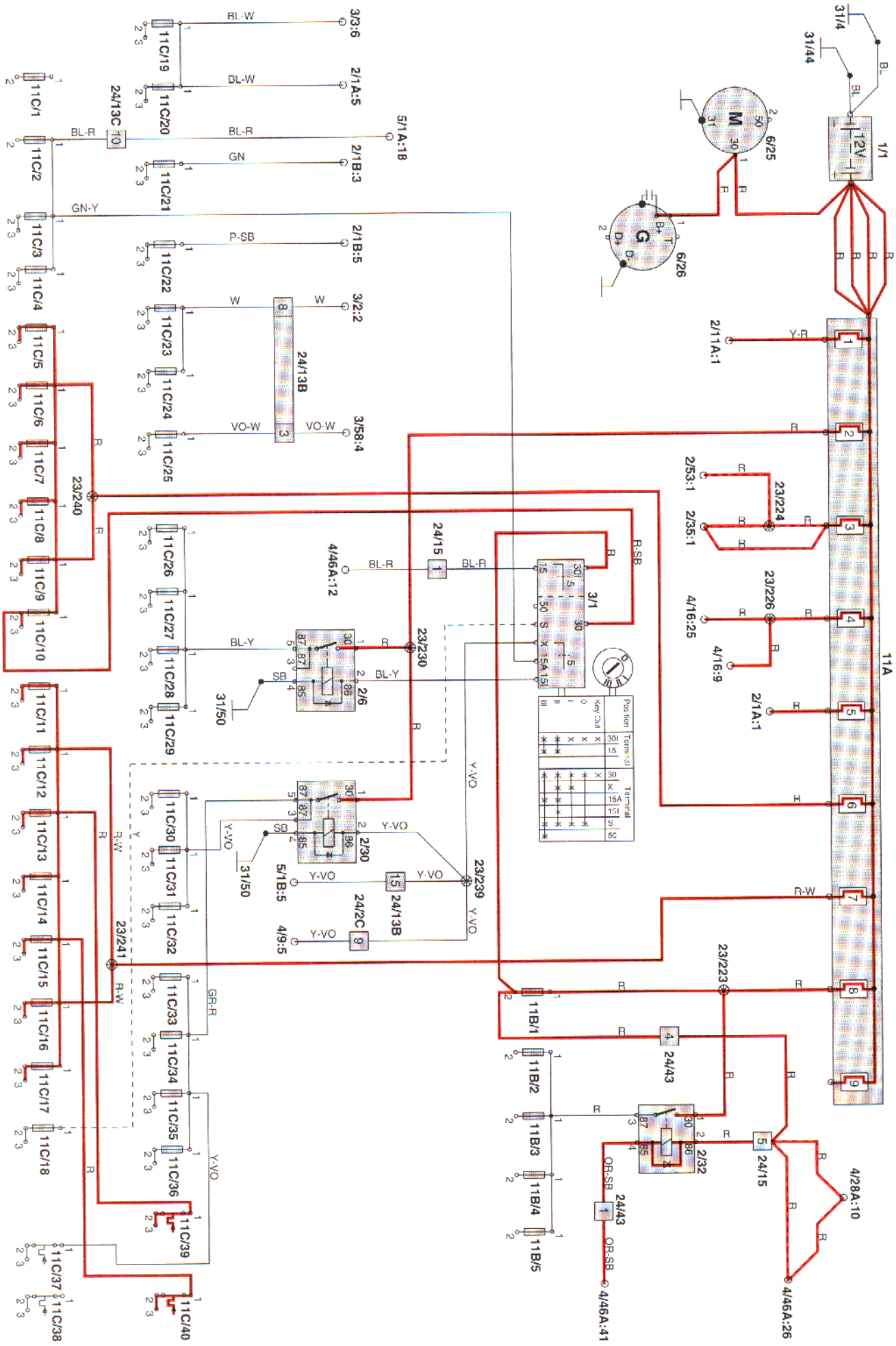
31/71	Control module AW 50-42
	Engine control module (ECM)
	PTC resistor air preheating

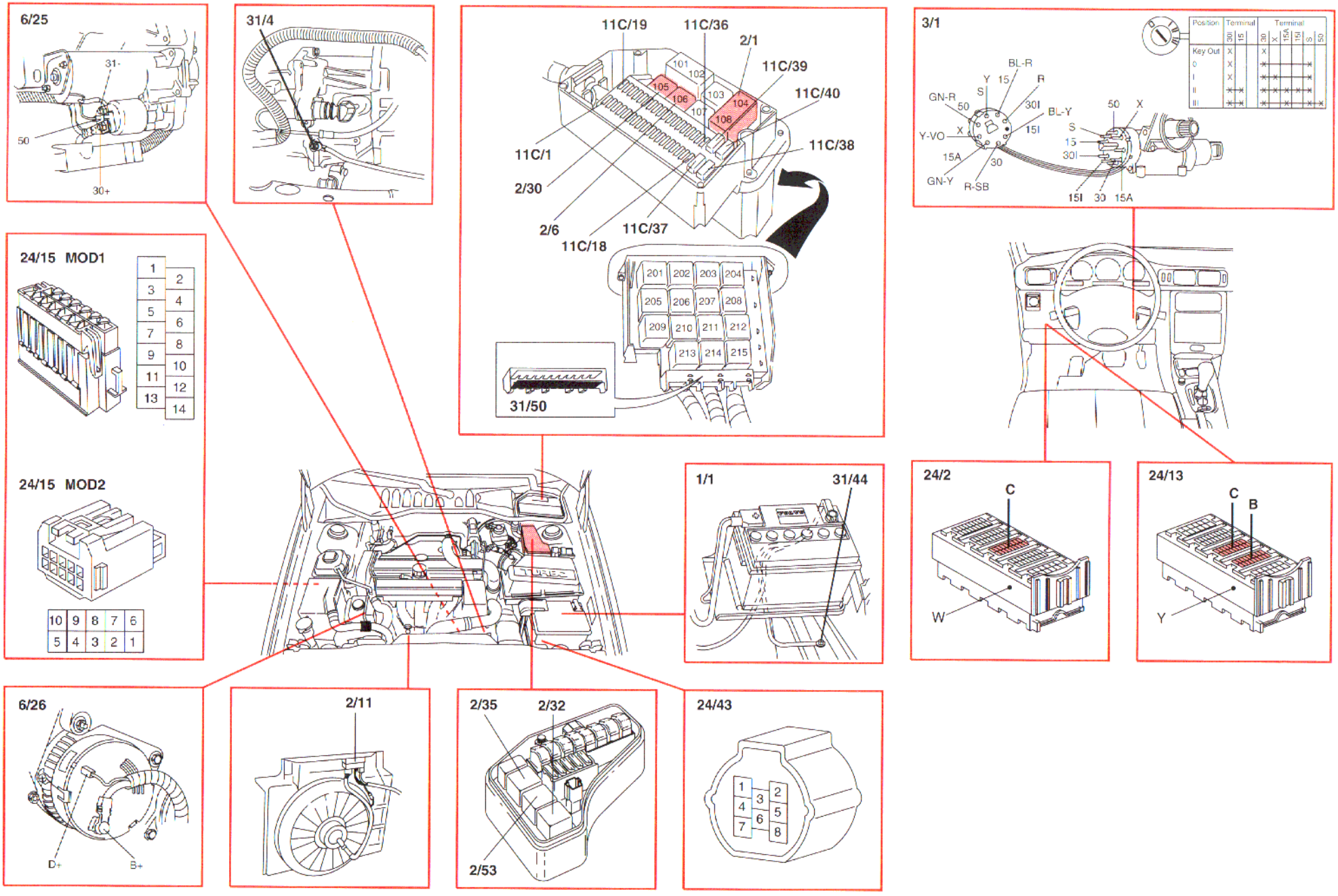
Electrical distribution
Fenix 5.2



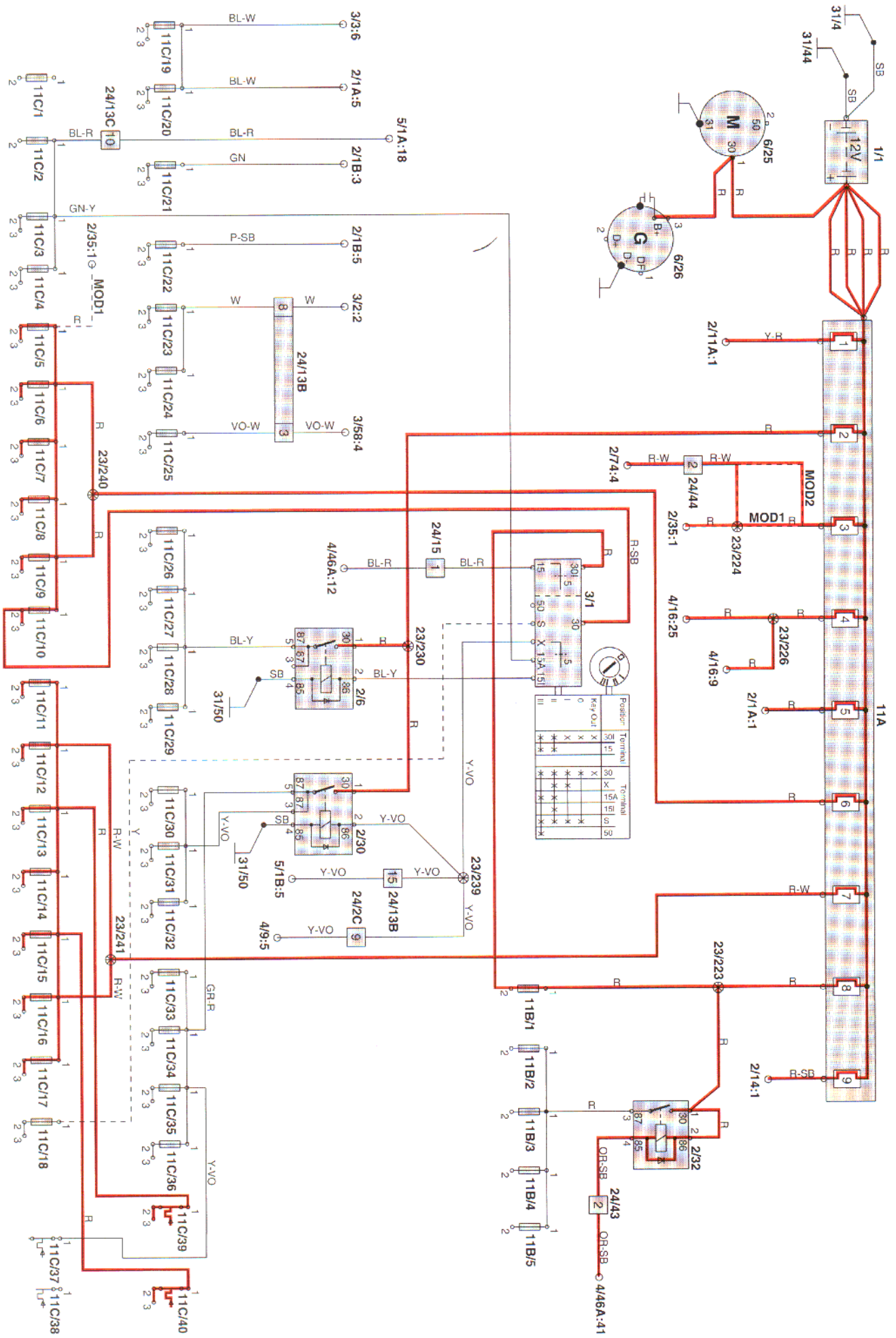

24/15 MOD1
1 2
3 4
5 6
7 8
9 10
11 12
13 14
24/15 MOD2
10 9 8 7 6
5 4 3 2 1
1/1
31/44
11C/19
2/30
2/6
2/1
11C/39
11C/40
11C/38
11C/1
11C/36
11C/18
11C/37
101 102 103 104 105 106 107 108
201 202 203 204
205 206 207 208
209 210 211 212
213 214 215
31/50
3/1
Position
Terminal
Terminal
Key Out
BL-R
Y
15
R
GN-R
S
50
30I
BL-Y
Y-VO
X
15I
15A
30
GN-Y
R-SB
50
X
S
15
30I
15I
30
15A
6/26
D+
B+
2/35
2/32
24/2
C
W
24/13
C
B
Y
2/11
6/25
31-
50
30+
31/4
24/43
1 3 2
4 6 5
7 8

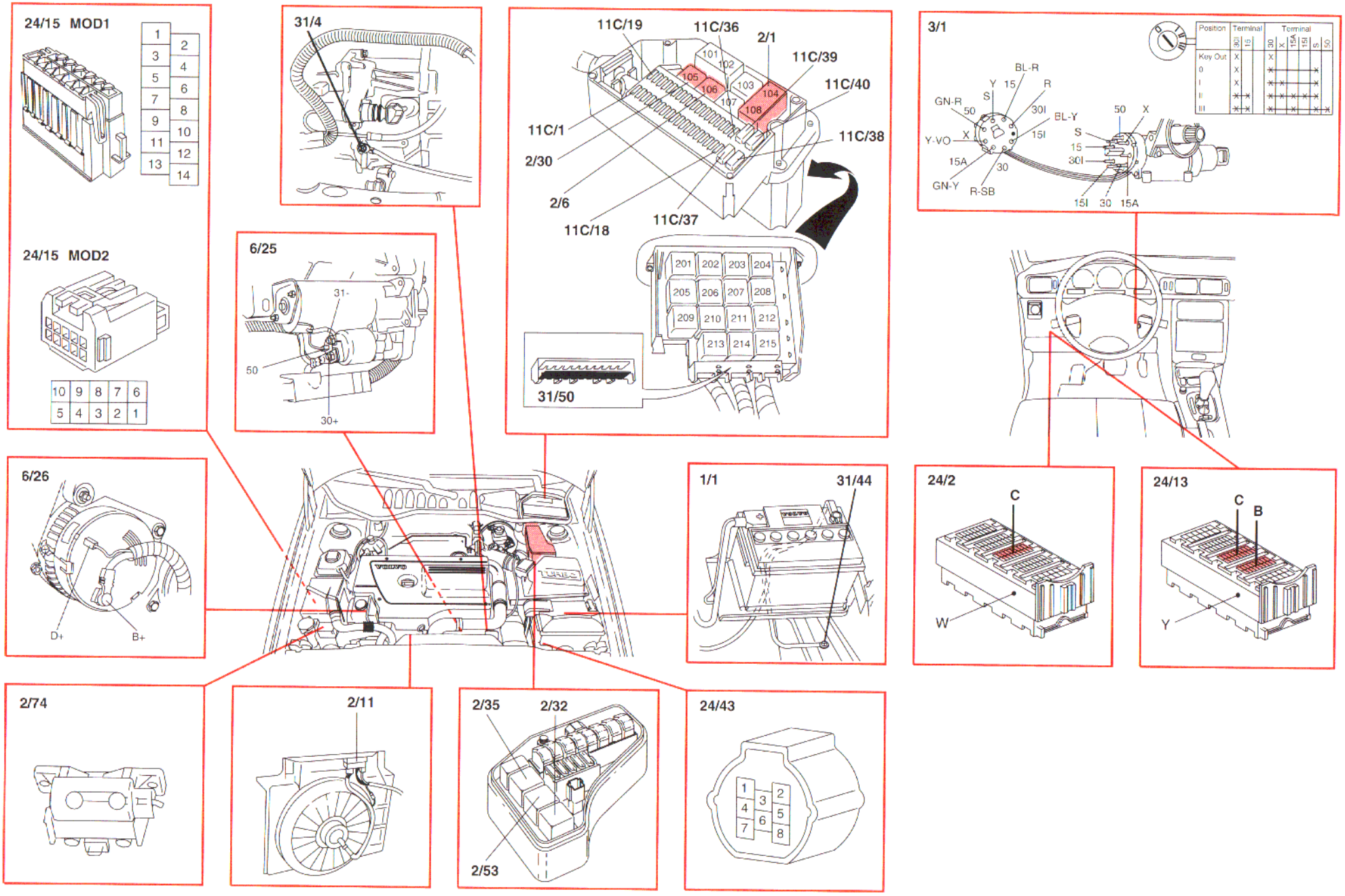
Electrical distribution
Motronic 4.3/4.4



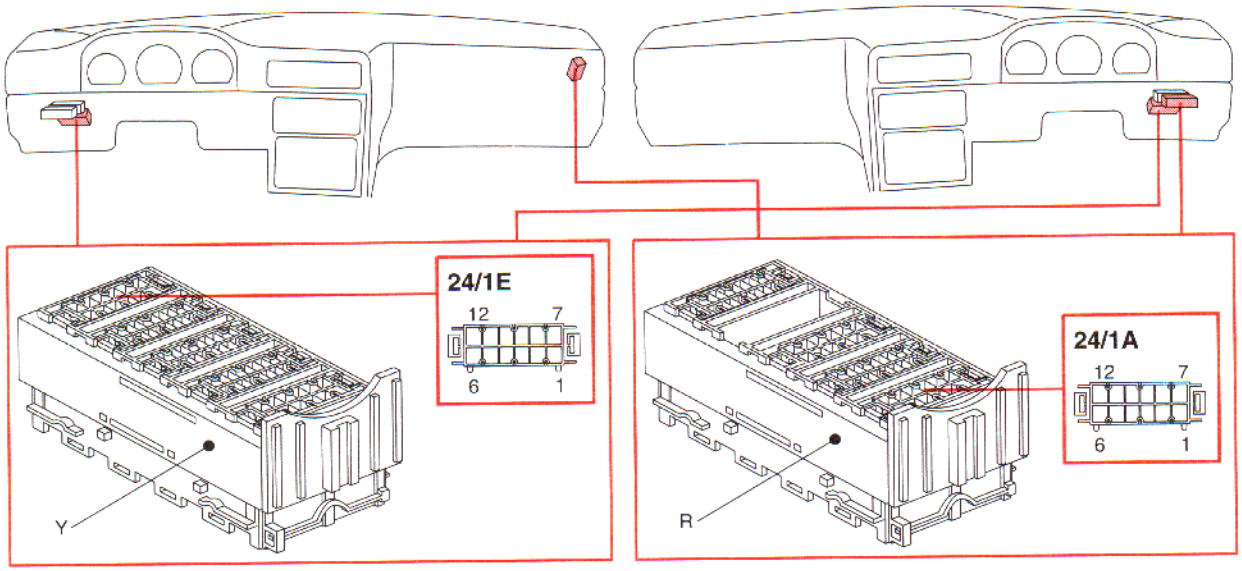

6/25
31-
50
30+
31/4
11C/19
11C/36
2/1
11C/39
11C/40
11C/38
11C/1
2/30
2/6
11C/18
11C/37
101
102
103
104
105
106
107
108
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50
3/1
Position
Terminal
Terminal
30
15
X
15A
15I
S
50
Key Out
0
I
II
III
BL-R
Y
15
R
GN-R
S
50
30I
BL-Y
15I
Y-VO
X
15A
30
GN-Y
R-SB
50
X
S
15
30I
15I
30
15A
24/15 MOD1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
24/15 MOD2
10
9
8
7
6
5
4
3
2
1
1/1
31/44
24/2
C
W
24/13
C
B
Y
6/26
D+
B+
2/11
2/35
2/32
2/53
24/43
1
2
3
4
5
6
7
8

Electrical distribution
MSA 15.7




24/15 MOD1
1 2
3 4
5 6
7 8
9 10
11 12
13 14
24/15 MOD2
10 9 8 7 6
5 4 3 2 1
31/4
6/25
31-
50
30+
11C/19
11C/36
2/1
11C/39
11C/40
11C/38
11C/1
2/30
2/6
11C/18
11C/37
101 102 103 104 105 106 107 108
201 202 203 204
205 206 207 208
209 210 211 212
213 214 215
31/50
3/1
Position
Terminal
Terminal
Key Out
0
I
II
III
BL-R
Y
15
R
S
GN-R
50
30I
BL-Y
15I
Y-VO
X
15A
30
GN-Y
R-SB
50
X
S
15
30I
15I 30 15A
6/26
D+
B+
1/1
31/44
24/2
C
W
24/13
C
B
Y
2/74
2/11
2/35
2/32
2/53
24/43
1 2
3
4 5
6
7 8

Connector 24/1

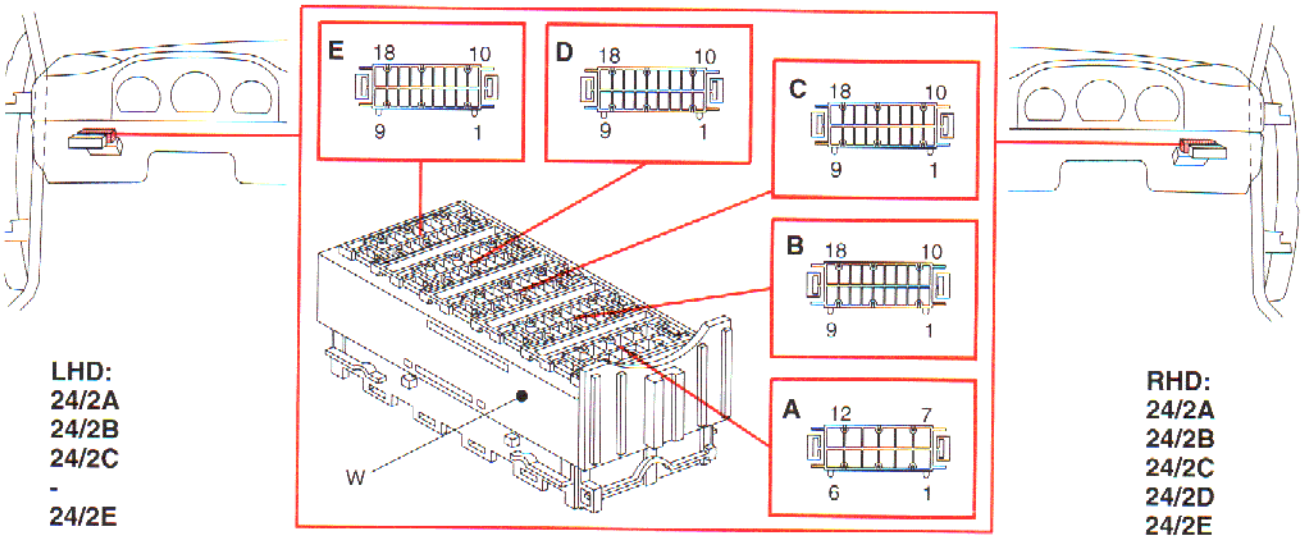


24/1A Green 12-pin (C70)
Instrument panel harness - Firewall harness

Term.	Female	Male	Color
1-4	-	-	
5	Loudspeakers left-hand side :2	Connector 24/3B:8	GN-SB
6	Loudspeakers left-hand side :1	Connector 24/3B:12	GN-W
7-10	-	-	
11	Loudspeakers right-hand side :1	Connector 24/3C:1	R-W
12	Loudspeakers right-hand side :2	Connector 24/3C:6	R-SB

24/1E White 12-pin
Instrument panel harness - Firewall harness

Term.	Female	Male	Color
1	Combined instrument panel B:13	Parking brake switch connector 24/61:5	Y
2	Remote control module :4 Glass breakage sensor :5 (S70/V70)	ground terminal 31/7 [via 23/405]	SB
3	Remote control module :1	Control module lock/alarm A:8	GN-GR / GN-W
4	Remote control module :2	Control module lock/alarm A:9	GN-W
5	Remote control module :3	Control module lock/alarm B:16	GN-Y
6	Combined instrument panel A:4	Connector 24/4B:2	Y-GR
7	Combined instrument panel A:5	Connector 24/4B:3	Y-R
8	Junction point 23/320	Ground terminal 31/7	SB
9	Airbag passenger side :1	SRS Sensor module :13	GN
10	Junction point 23/300	Junction point 23/414	P
11	Combined instrument panel B:3	Control module SRS :7	GN-BN
12	Airbag passenger side :2	Control module SRS :14	W



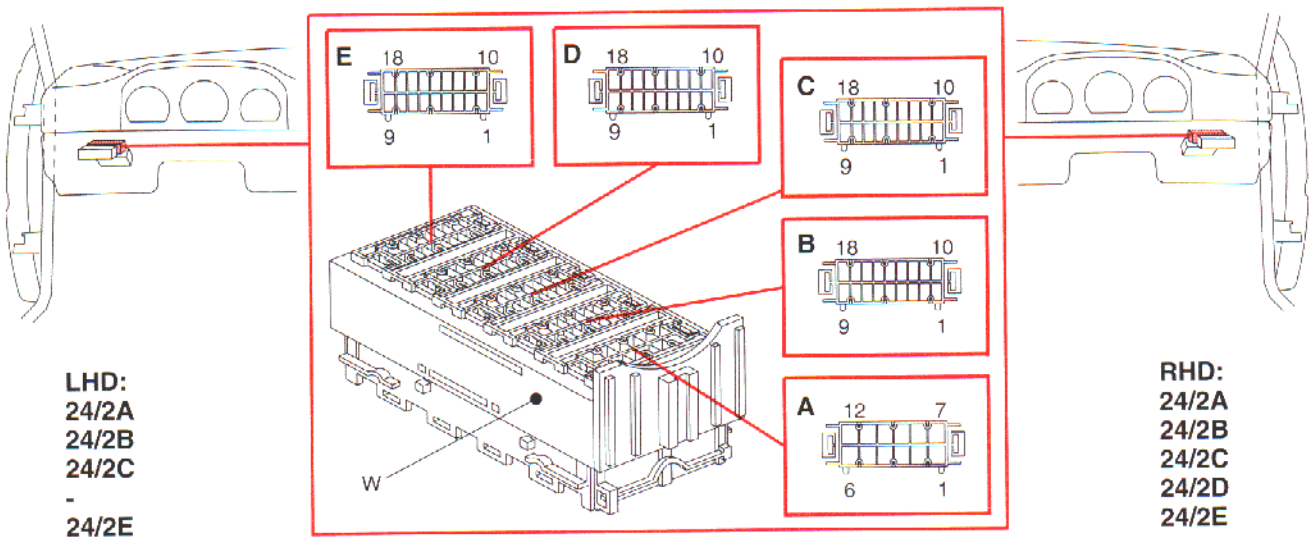
LHD:
24/2A
24/2B
24/2C
-
24/2E

RHD:
24/2A
24/2B
24/2C
24/2D
24/2E

24/2A Green 12-pin
Firewall cable harness - Engine compartment harness

Term.	Female	Male	Color
1	Connector 24/4C:1	Fuse 11C/40:2	GN
2	Junction point 23/412	Fuse 11C/37:2	BL
3	Connector 24/7A:2 (S70/V70) Connector 24/4C:12 (C70)	Fuse 11C/28:2 (S70/V70) Relay heated seat right :3 (C70)	BL-Y GN-BN
4	Connector 24/63:1	Fuse 11C/31:2	Y-VO
5	Connector 24/7B:1 Connector 24/63:4	Fuse 11C/5:2	R
6	Connector 24/4E:1 (C70 LHD) Connector 24/3E:5 (C70 LHD)	Junction point 23/227 (C70 LHD) Fuse 11C/9:2 (C70 RHD)	BL-R R
7	Connector 24/4C:5 (S70/V70) Connector 24/7A:5 (Not C70 RHD) Connector 24/3E:12 (C70 RHD)	Fuse 11C/36:2 (Not C70 RHD) Connector 24/14D:15 (S70/V70 LHD) relay heated seat left :3 (C70 RHD)	Y-W Y-R
8	Control module lock/alarm B:1 (Not C70 RHD) Connector 24/9A:8 (S70/V70) Connector 24/3E:4 (C70 RHD)	Fuse 11C/6:2 (Not C70 RHD) Fuse 11C/12:2 (C70 RHD)	GR-R R
9	Connector 24/3E:2 (RHD) Connector 24/4E:2 (C70 LHD)	Fuse 11C/39:2 (RHD) Engine control module (ECM) B:19 (C70 LHD)	GN-R BL-W
10	Connector 24/3E:6 (RHD) Connector 24/9A:10 (C70 LHD)	Fuse 11C/16:3 (RHD) Connector 24/14D:6 (C70 LHD)	GR-R BL
11	Connector 24/3E:1 (RHD)	Relay rear demist/door mirrors :3 (Not C70 LHD)	Y-R
12	Connector 24/7A:3 Connector 24/61:2	Fuse 11C/30:2	Y-VO

Connector 24/2



LHD:
24/2A
24/2B
24/2C
-
24/2E

RHD:
24/2A
24/2B
24/2C
24/2D
24/2E

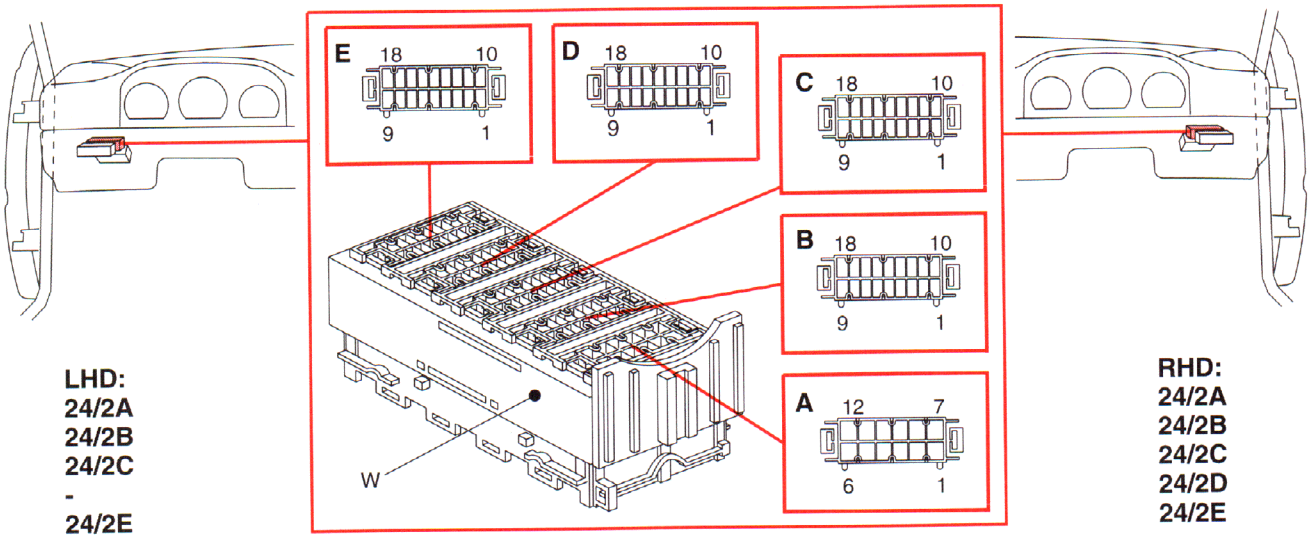
24/2B Light blue 18-pin
Firewall cable harness - Engine compartment harness

Term.	Female	Male	Color
1	Connector 24/4B:1	Relay fuel pump (FP) :3	P
2	Connector 24/20A:3 (S70/V70) Connector 24/9A:5 (C70)	Connector 24/13C:17	W
3	Connector 24/20A:2 (S70/V70) Connector 24/9A:6 (C70)	Connector 24/13C:16	GN
4	Junction point 23/411	Fuse 11C/15:2 Antenna ring/Ignition lighting :1	R
5	Connector 24/9A:3	Relay seat belt reminder/key warning :5	GR
6	Connector 24/3B:5 (LHD, Not Diesel MOD2) Connector 24/4C:6 (RHD)	seat belt reminder/key warning relay :6 (Not Diesel LHD MOD2)	GR-SB
7	Control module lock/alarm B:10	Fuse 11C/18:1 Ignition switch :S (C70)	BL-GN Y
8	Lock/alarm control module B:9 Radio B:7	Connector 24/13C:3 Control module, cruise control S:8 (S70/V70) Engine control module (ECM) B:18 (S70/V70)	Y-SB
9	Control module lock/alarm A:11	Immobilizer :7	GR-OR
10	Control module lock/alarm B:14	Alarm siren :2	VO-W
11	Connector 24/9A:5 (S70/V70) control module lock/alarm A:22	Connector 24/13D:13 (S70/V70) Alarm siren :3	OR-W
12	Connector 24/9A:6 (S70/V70) control module lock/alarm B:15	connector 24/13D:12 (S70/V70) Alarm :5	P-W
13	Connector 24/4B:10	ABS control module :2	GN-R
14	Connector 24/4B:11	ABS control module :10	GN-Y
15	Connector 24/4B:12	ABS control module :1	GN-W
16	Connector 24/4B:13	ABS control module :17	GN-SB
17	Connector 24/7B:9 (Gasoline)	Control module cruise control S:4	Y-R
18	Control module lock/alarm A:14 (C70)	Fuse 11C/1:1 (C70)	P-SB

24/2C Yellow 18-pin
Firewall cable harness - Engine compartment harness

Term.	Female	Male	Color
1	Connector 24/61:10 Connector 24/3D:6 (RHD)	Connector 24/15:7 (MOD1) Connector 24/15:6 (MOD2) Connector 24/14D:6 (LHD)	BL
2	Connector 24/63:3	A/C pressure switch (Pressostat) :1	BL-GR
3	Control module lock/alarm :5 (S70/V70 LHD) Junction point 23/424 (C70 RHD) Connector 24/7A:10 (C70 LHD)	Connector 24/14D:16 (LHD S70/V70) Fuse 11C/1:2 (C70) Relay left heated seat :2 (C70 LHD)	GR-SB P-SB Y-R
4	Connector 24/3C:9	Connector 24/13D:5	BL-BN
5	Connector 24/4E:4 (LHD) Control module lock/alarm A:19 (S70/V70 LHD) Connector 24/7A:2 (C70 RHD)	Engine control module (ECM) B:15 (LHD gasoline) 15l-rail (C70)	BL-GN BL-Y
6	Connector 24/4E:5 (LHD) Connector 24/7A:10 (C70 RHD)	Engine control module (ECM) B:31 (LHD gasoline) Left heated seat relay :2 (C70)	OR-SB Y-R
7	Connector 24/4E:6 (LHD) Connector 24/7A:8 (C70 RHD)	Junction point 23/221 (LHD gasoline) Right heated seat relay :1 (C70)	BN-P GN-BN
8	Connector 24/50:10 Control module lock/alarm A:23	Connector 24/13D:6 Relay seat belt reminder/key warning :3 (S70/V70)	W-SB
9	SRS Sensor module :5	Junction point 23/239	Y-VO
10	Junction point 23/428 (Not S70/V70 MOD2) Connector 24/50:18 (S70/V70 MOD2) Connector 24/60:18 (S70/V70 MOD2)	Rear demist/heated door mirrors relay :4 Connector 24/13A:11	Y-R
11	Connector 24/7A:1 (S70/V70) Control module lock/alarm B:1 (C70 RHD) Connector 24/7A:2 (C70 LHD)	Fuse 11C/9:2 (S70/V70) Fuse 11C/6:2 (C70) 15l-rail (C70 LHD)	R BL-Y
12	SRS Sensor module :10	Contact reel steering wheel SRS :1	OR
13	SRS Sensor module :11	Contact reel steering wheel SRS :2	SB
14	SRS Sensor module :12	Connector 24/13C:7 Connector 24/15:3 Engine coolant heater :4 (Diesel)	R-W
15	Connector 24/4E:1(S70/V70 LHD MOD2) Connector 24/9A:9 (C70)	Junction point 23/227 MOD2 S70/V70) Connector 24/13A:8 (C70)	BL-R BN-OR
16	Connector 24/4E:2 (S70/V70 LHD MOD2) Connector 24/7A:5 (C70 RHD) Connector 24/7A:8 (C70 LHD)	EVAP canister shut-off valve :2 Engine control module (ECM) B:19 (LHD MOD2 gasoline S70/V70) Fuse 11C/36:2 (C70) Right heated seat relay (C70 LHD)	BL-W Y-W GN-BN
17	Control module lock/alarm B:5 Connector 24/60:10	Connector 24/13D:10	Y-BN
18	Junction point 23/421	Junction point 23/222 (Not gasoline S70/V70) ABS control module :13 (C70) Immobilizer :3 (C70) Control module AW 50-42 B:22 (C70 LHD) Engine control module (ECM) LHD)	W

Connector 24/2



LHD:
24/2A
24/2B
24/2C
-
24/2E

RHD:
24/2A
24/2B
24/2C
24/2D
24/2E

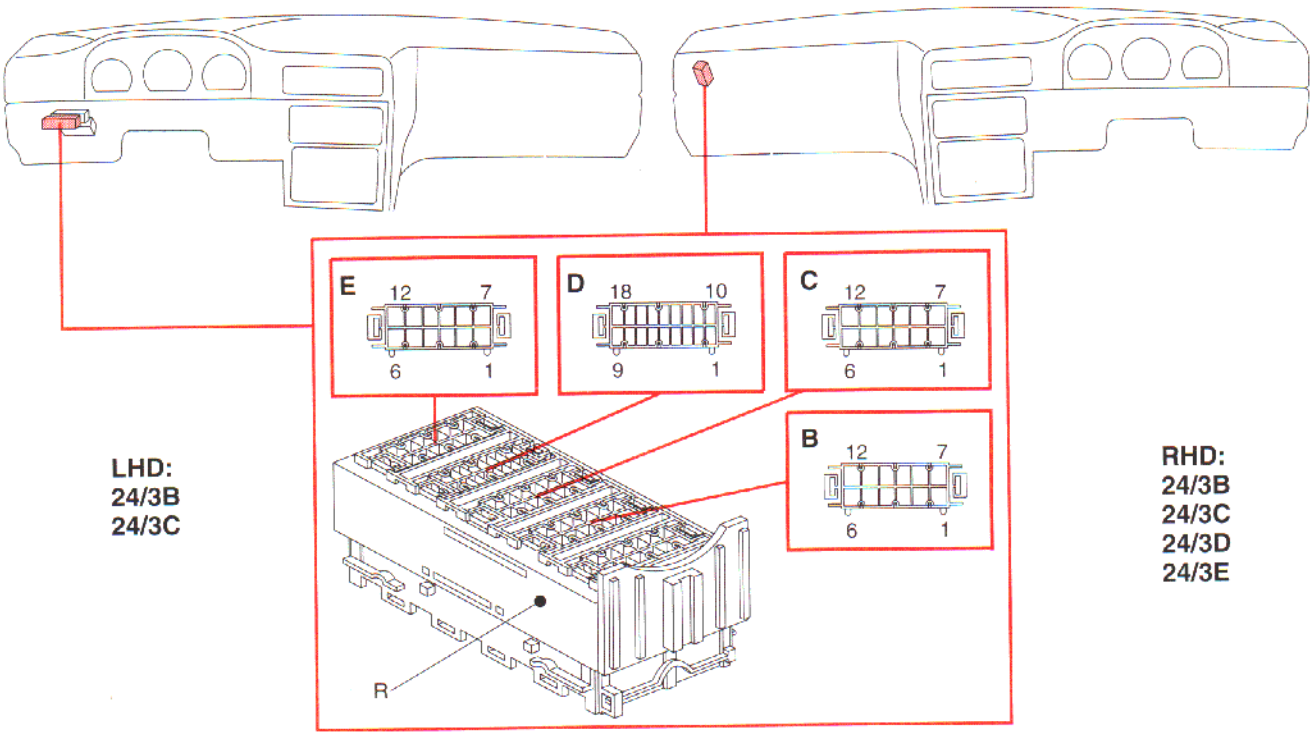
24/2D Red 18-pin (RHD)
Firewall cable harness - Engine compartment harness

Term.	Female	Male	Color
1	Connector 24/3D:1	Fuse 11C/23:3 Left headlamp :4	W
2	Connector 24/3D:2	Fuse 11C/24:3	GR
3	Connector 24/3D:3	Junction point 23/201	Y
4	Connector 24/3D:4	Connector 24/13D:7 Left headlamp :7	GN-W
5	Connector 24/3D:5	15l-rail	BL-Y
6	-	-	
7	Connector 24/3D:7	Fuse 11C/25:2	VO-W
8	Connector 24/3D:8	Junction point 23/207	GN
9	Connector 24/3D:9	Junction point 23/208	BL-GN
10	Connector 24/3D:10	Connector 24/13B:14	BL-W
11	Connector 24/3D:18 (S70/V70)	X-rail (S70/V70)	Y-VO
12	Connector 24/3D:17 (S70/V70)	Intermittent relay tailgate wiper :1 (S70/V70)	GN-OR
13-18	-	-	

24/2E White 18-pin
Firewall cable harness - Engine compartment harness

Term.	Female	Male	Color
1	Shift lock solenoid :1	Stop (brake) lamp switch :3	GN
2	Mode selector AW 50-42 :2	Control module AW 50-42 :17	BN-GR
3	Mode selector AW 50-42 :1	Control module AW 50-42 :16	GN-OR
4	Mode selector AW 50-42 :5	Connector 24/13C:2 Control module AW 50-42 :7 (S70/V70)	GR-OR
5	Connector 24/3C:2 (LHD) Junction point 23/421	Connector 24/13B:9	W
6	Connector 24/7B:3	Immobilizer :1 (Gasoline)	Y-BN
7	Control module lock/alarm A:24 Connector 24/9A:2	Antenna ring/Key lighting :5	P-SB
8	Catalytic converter thermocouple :1	Exhaust temperature sensor relay :1	W-SB
9	Catalytic converter thermocouple :2	Exhaust temperature sensor relay :5	BN
10	Connector 24/50:12	Ground rail, power ground	SB
11	Junction point 23/440 Mode selector AW 50-42 :4 (MOD2) Control module lock/alarm B:8 (MOD2)	Fuse 11C/2:2	BL-R
12	Control module lock/alarm A:26	Fuse 11C/13:3 Connector 24/13D:18	R-SB R
13	Control module lock/alarm B:21	Relay starter motor :4	SB
14	Control module lock/alarm A:13	Junction point 23/208	BL-GN
15	Control module lock/alarm A:12	Junction point 23/207	GN
16	Control module lock/alarm A:3	Hood alarm switch :1	Y-SB
17	Control module lock/alarm B:18	Relay alarm horn :4	Y-R
18	Control module lock/alarm B:4	Connector 24/13D:11	R

Connector 24/3



24/3B Light blue 12-pin
Left door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Connector 24/21:1 (S70/V70)	Connector 24/7A:10 (S70/V70)	Y-R
2	Connector 24/17:8 (S70/V70)	Junction point 23/408 (S70/V70)	Y-BN
3	Connector 24/17:9 (S70/V70)	Junction point 23/409 (S70/V70)	Y
4	Connector 24/17:6 (S70/V70)	Junction point 23/419 (S70/V70 MOD1) Connector 24/50:4 (S70/V70 MOD2) Control module lock/alarm A:2 (S70/V70 MOD2)	VO VO VO-W
5	Connector 24/21:6 (MOD1)	Connector 24/2B:6 (LHD MOD1)	GR-SB
6	Connector 24/17:11 (S70/V70)	Control module lock/alarm B:6 (S70/V70)	GR-W
7	Connector 24/17:4 (S70/V70) Cargo compartment lighting (C70)	Junction point 23/411 Connector 24/61:13 (C70 LHD)	R R / GR-R
8	Connector 24/17:2 (S70/V70) Left-hand side parcel shelf loudspeaker :2 (S70/V70) Amplifier B:2 (C70)	Radio B:1 (S70/V70) Connector 24/1A:5 (C70) Connector 24/50:5 (C70 LHD) Connector 24/60:5 RHD)	BN-SB BN-SB/GN-SB GN-SB
9	License plate lighting :1 (S70) Connector 24/25:5 (V70 MOD2)	Control module lock/alarm A:7 (S70/V70)	Y
10	Tailgate lock unit :2 (S70) Connector 24/25:3 (V70)	Control module lock/alarm A:14 (S70/V70)	P-SB
11	Central locking motor fuel tank filler cover (S70/V70)	Control module lock/alarm B:12 (S70/V70)	Y-W
12	Connector 24/17:1 (S70/V70) Amplifier B:1 (C70)	Radio :2 (S70/V70) Connector 24/1A:6 (C70) Connector 24/50:7 (C70 LHD) Connector 24/60:7 (C70 RHD) Connector 24/61:7 (C70 LHD)	BN-W GN-W GR-SB

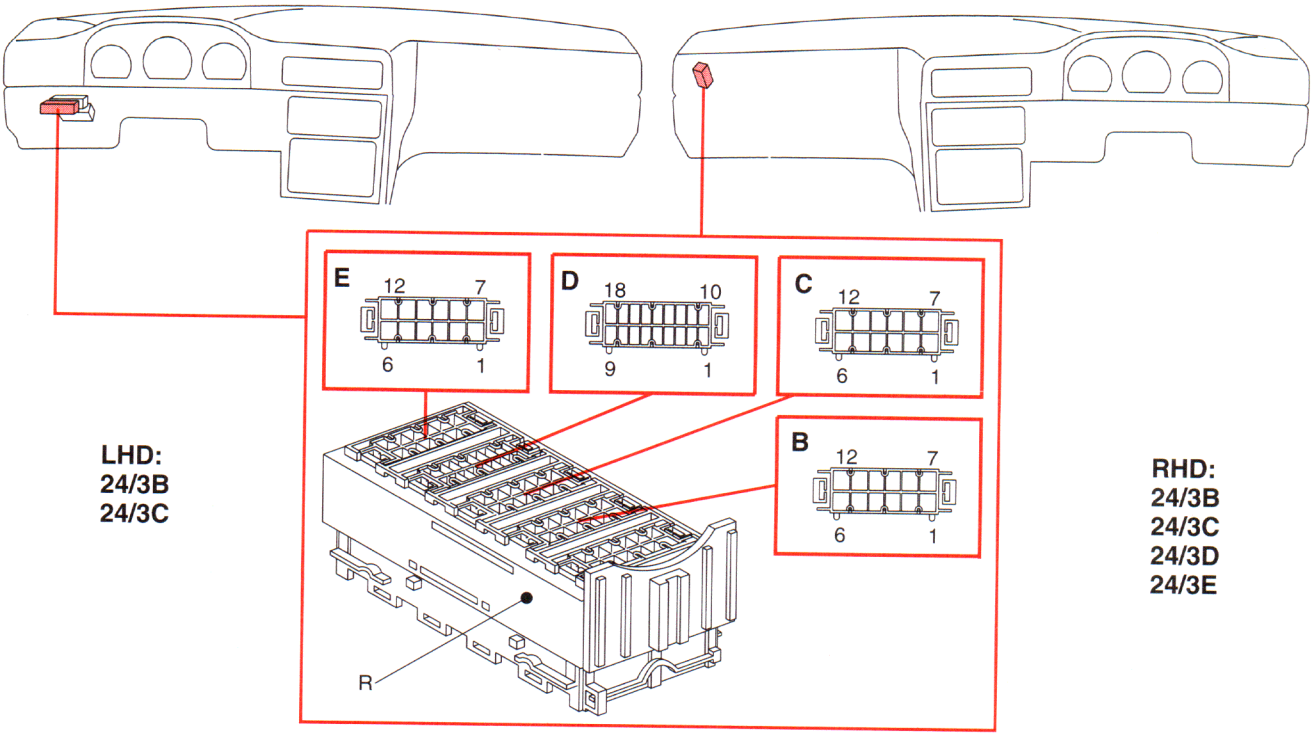
24/3C Yellow 12-pin
Left door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Right-hand side parcel shelf loudspeaker (S70) Right-hand side D-post loudspeaker (V70) Amplifier B:3 (C70)	Junction point 23/426 (S70/V70) Connector 24/1A:11 (C70) Connector 24/60:7 (C70 LHD) Connector 24/50:7 (C70 RHD) Connector 24/61:7 (C70 LHD)	P-SB P-SB / R-W R-W GR-SB
2	Control module left seat A:4 (S70/V70) Control module left seat :4 (C70)	Junction point 23/421 Connector 24/2E:5 (LHD)	W
3	Connector 24/17:7 (S70/V70)	Connector 24/60:13 (S70/V70)	GN-GR
4	Connector 24/17:10 (S70/V70)	Connector 24/60:22 (S70/V70)	Y-SB
5	Connector 24/17:3 (S70/V70)	Junction point 23/423 (S70/V70 MOD1) Connector 24/4C:4 (S70/V70 MOD2) Connector 24/50:2 (S70/V70 MOD2)	GR-R
6	Right-hand side D-post loudspeaker (V70) Right-hand side parcel shelf loudspeakers (S70) Amplifier B:4 (C70)	Junction point 23/427 (S70/V70) Connector 24/1A:12 (C70) Connector 24/60:5 (C70 LHD) Connector 24/50:5 (C70 RHD) Connector 24/61:13 (C70 LHD)	P-W P-W / R-SB R-W / R-SB R-SB GR-R
7	Igniter seat belt tensioner left-hand side + (S70/V70) Seat belt tensioner igniter left-hand side + (C70)	Control module SRS :1	BL / VO BL-P
8	Seat belt tensioner igniter left-hand side - (S70/V70) Seat belt tensioner igniter left-hand side - (C70)	Control module SRS :2	P / Y BL-P
9	Cargo compartment lighting :2 (C70/S70) Lock unit tailgate :1 (S70) Connector 24/25:13 (V70) Connector 24/67:1 (C70)	Control module lock/alarm A:19 Connector 24/2C:4	BL-BN
10	Lock unit tailgate :3 (S70) Connector 24/25:6 (V70) Connector 24/67:3 (C70)	Control module lock/alarm A:20	GN-BN
11	Car tilt sensor :2	Control module lock/alarm B:3	Y-GR
12	Car tilt sensor :3	Control module lock/alarm A:17	Y-BN

Connector 24/3

24/3D Red 18-pin (RHD)
Left door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Rear bulb failure warning sensor :3 (S70/V70) License plate lighting :2 (S70/V70) Junction point 23/434 (C70)	Connector 24/2D:1	W
2	Bulb failure warning sensor rear :4 and :7 (S70/V70) Junction point 23/435 (C70)	Connector 24/2D:2	GR
3	Bulb failure warning sensor rear :12 Connector 24/70A:3 (C70)	connector 24/2D:3	Y
4	Bulb failure warning sensor rear :11	Connector 24/2D:4	GN-W
5	Bulb failure warning sensor rear :8 Connector 24/70B:2 (C70)	Connector 24/2D:5	BL-Y
6	Connector 24/81:4 (S70) Right tail lamp :6 (C70), B:6 (S70), A:5 (V70) Left tail lamp :2 (C70), B:6 (S70), A:5 (V70) Connector 24/70B:3 (C70)	Connector 24/2C:1 Connector 24/9A:10 (C70)	BL
7	Connector 24/81:3 (S70) Right tail lamp B:1 (S70), A:3 (V70) Left tail lamp B:1 (S70), A:3 (V70) Connector 24/70B:4 (C70)	Connector 24/2D:7	VO-W
8	Connector 24/81:1 (S70) Left tail lamp :6 (C70), K:6 (S70), B:3 (V70) Connector 24/70A:1 (C70)	Connector 24/2D:8	GN
9	Connector 24/81:2 (S70) Right tail lamp :2 (C70), K:6 (S70), B:3 (V70) Connector 24/70A:2 (C70)	Connector 24/2D:9	BL-GN
10	Power antenna/Antenna amplifier :3	Connector 24/2D:10	BL-W
11-14	-	-	
15	Control module left seat A:2 (S70/V70)	Connector 24/2A:7 (S70/V70) Connector 24/7A:5 (S70/V70)	Y-W / GN-R GN-R
16	Glass breakage sensor :1 (V70)	Control module lock/alarm A:5 (S70/V70)	GR-SB
17	Connector 24/25:8 (S70/V70)	Connector 24/2D:12 (S70/V70)	GN-OR
18	Connector 24 /25:9 (S70/V70)	Connector 24/2D:11 (S70/V70)	Y-R

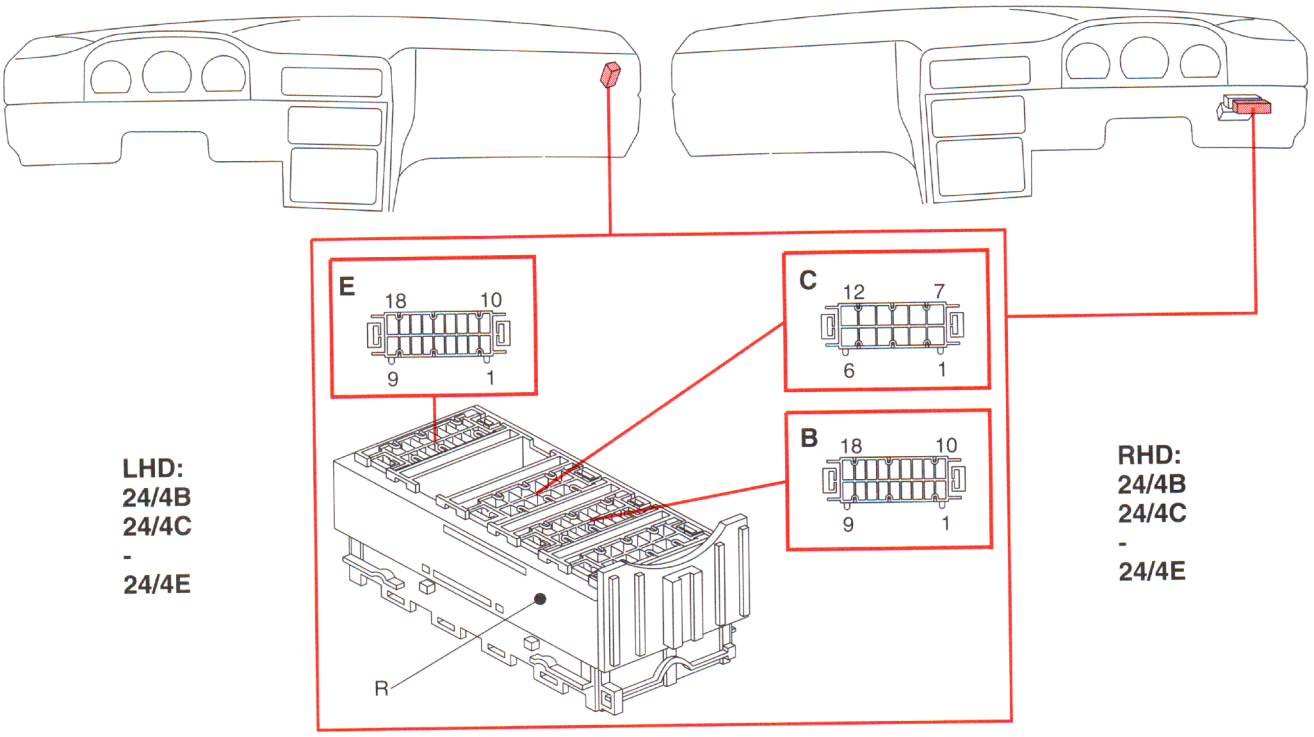


24/3E 12-pin (RHD)

Left door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Rear demist :1	Connector 24/2A:11	Y-R
2	Control module left seat :1	Connector 24/2A:9	GN-R
3	Connector 24/67:2 (C70)	Connector 24/2C:3 (C70)	P-SB
4	Amplifier + (C70)	Connector 24/2A:8 (C70)	R
5	Amplifier + (C70)	Connector 24/2A:6 (C70)	R
6	Power antenna (S70) CD player :1 (S70/V70) Junction point 23/242 (C70)	Connector 24/2A:10	GR-R
7-11	-	-	
12	Connector 24/21:1 (C70)	Connector 24/2A:7 (C70)	Y-R

Connector 24/4



LHD:
24/4B
24/4C
-
24/4E

RHD:
24/4B
24/4C
-
24/4E

24/4B Light blue 18-pin
Right door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Fuel pump (FP)/Fuel injection pump :1	Connector 24/2B:1	P
2	Fuel level sensor :1	Connector 24/1E:6	Y-GR
3	Fuel level sensor :2	Connector 24/1E:7	Y-R
4	Antenna amplifier (MOD1)	Junction point 23/427 (MOD1)	P-W
5	Connector 24/18:1 (MOD1)	Junction point 23/426 (MOD1)	P-SB
6	Connector 24/18:4 (S70/V70)	Junction point 23/411 (S70/V70)	R
7	Connector 24/18:11 (S70/V70)	Control module lock/alarm B:7 (S70/V70)	Y-W
8	Connector 24/22:1 (S70/V70)	Connector 24/7A:8 (S70/V70)	GN-BN
9	Control module right seat A:4	Junction point 23/421	W
10	Connector 24/19:1	Connector 24/2B:13	GN-R
11	Connector 24/19:3	Connector 24/2B:14	GN-Y
12	Connector 24/19:2	Connector 24/2B:15	GN-W
13	Connector 24/19:4	Connector 24/2B:16	GN-SB
14-16	-	-	,
17	Seat belt tensioner igniter right-hand side +	Control module SRS :3	BL
18	Seat belt tensioner igniter right-hand side -	Control module SRS :4	P

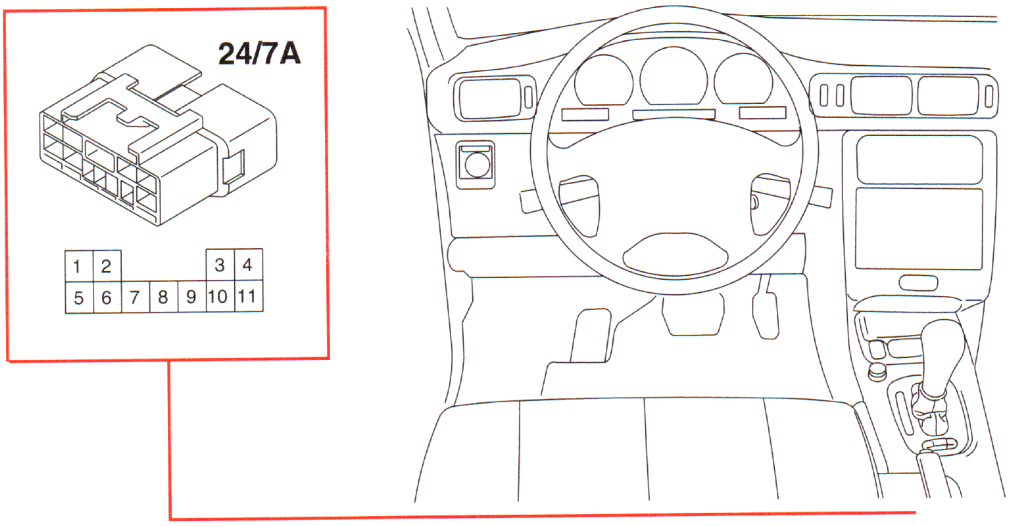
24/4C Yellow 12-pin
Right door sill harness - Firewall cable harness

Term.	Female	Male	Color
1	Control module right seat A:1	connector 24/2A:1	GN
2	Connector 24/18:7 (S70/V70) Central locking motor fuel tank filler cover :1 (C70)	Connector 24/50:24 (S70/V70) Control module lock/alarm B:12 (C70)	BL-GN Y-W
3	Connector 24/18:10 (S70/V70)	Connector 24/50:23 (S70/V70)	BL-SB
4	Connector 24/18:3 (S70/V70)	Junction point 23/423 (S70/V70 MOD1) Connector 24/3C:5 (S70/V70 MOD2)	GR-R
5	Control module right seat A:2 (S70/V70)	Connector 24/2A:7 (S70/V70 LHD) Connector 24/7A:5 (S70/V70 LHD)	Y-W
6	Connector 24/22:6	Connector 24/2B:6 (RHD)	GR-SB
7	Connector 24/18:2 (S70/V70 MOD2)	Connector 24/3C:6 (S70/V70 MOD2) Radio :5 (S70/V70 MOD2)	P-W
8	Connector 24/18:2 (S70/V70 MOD2)	Connector 24/3C:1 (S70/V70 MOD2) Radio :6 (S70/V70 MOD2)	P-SB
9	-	-	
10	Connector 24/18:8 (S70/V70)	Junction point 23/408 (S70/V70)	Y-BN
11	Connector 24/18:9 (S70/V70)	Junction point 23/409 (S70/V70)	Y
12	Connector 24/18:6 (S70/V70) Connector 24/22:1 (C70)	Junction point 23/425 (S70/V70 MOD1) Control module lock/alarm A:15 (S70/V70 MOD2 Connector 24/60:4 (S70/V70 MOD2) Connector 24/2A:3 (C70)	VO GN-BN

24/4E White 18-pin
Right door sill harness - Firewall cable harness

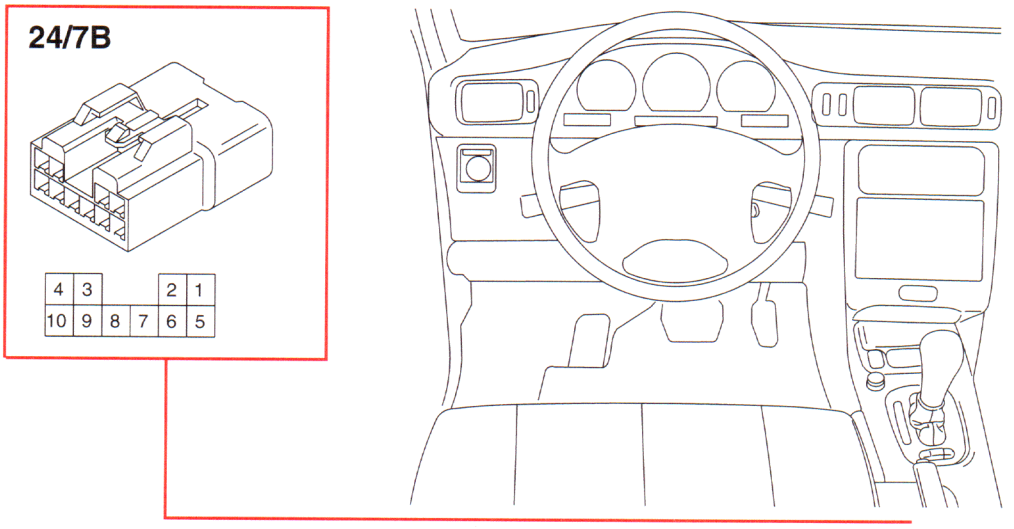
Term.	Female	Male	Color
1	EVAP canister shut-off valve :1 (MOD2)	Connector 24/2C:15 (S70/V70 MOD2 LHD) Connector 24/2A:6 (C70 LHD)	BL-R
2	EVAP canister shut-off valve :2 (MOD2)	Connector 24/2C:16 (S70/V70 MOD2 LHD) Connector 24/2A:9 (C70 LHD)	BL-W
3	-	-	
4	Fuel tank pressure sensor :1 (MOD1) Fuel tank pressure sensor :3 (MOD2)	Connector 24/2C:5 (LHD)	BL-GN
5	Fuel tank pressure sensor :3 (MOD1) Fuel tank pressure sensor :2 (MOD2)	Connector 24/2C:6 (LHD)	OR-SB
6	Fuel tank pressure sensor :2 (MOD1) Fuel tank pressure sensor :1 (MOD2)	Connector 24/2C:7 (LHD)	BN-P
7-18	-	-	

Connector 24/7



24/7A Natural 11-pin
Tunnel cable harness - Firewall cable harness

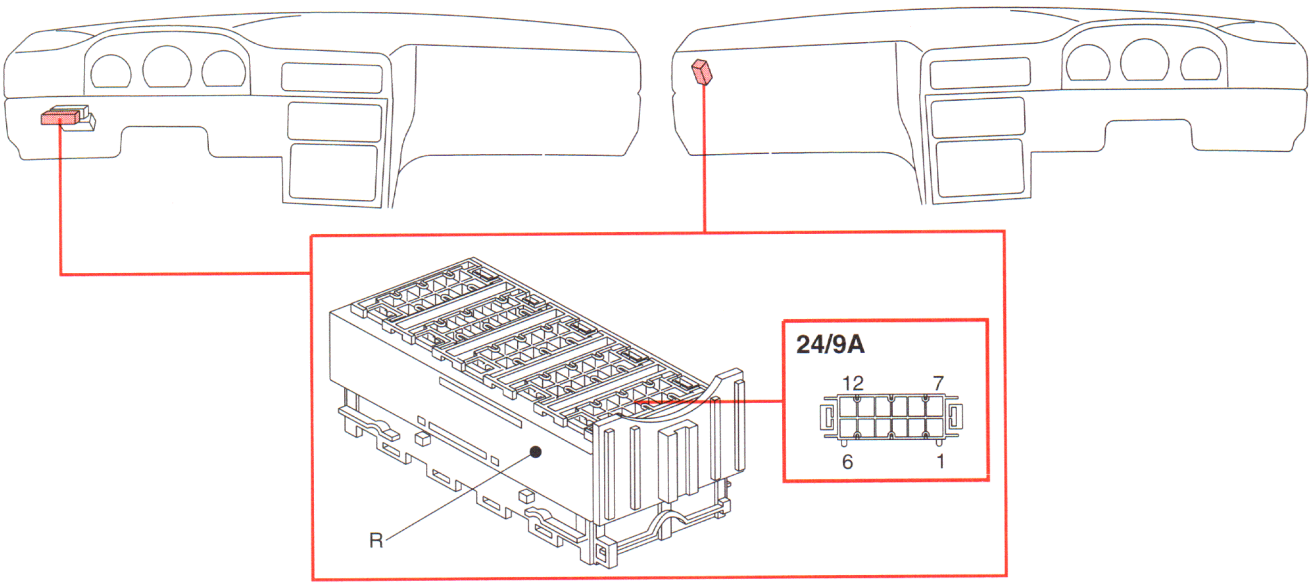
Term.	Female	Male	Color
1	Heated rear seat relay :2 (S70/V70)	Connector 24/2C:11 (S70/V70)	R
2	Junction point 23/503 (S70/V70) Left heated seat switch :3 (C70)	Connector 24/2A:3 (S70/V70) Connector 24/2C:11 (C70)	BL-Y
3	Cigarette lighter/12V outlet front :1	Connector 24/2A:12 Control module RTI :2 (S70/V70) Connector 24/61:2 (C70)	Y-VO
4	Junction point 23/502	Junction point 23/416	SB
5	Cigarette lighter/12V outlet rear :1	Connector 24/2A:7 Connector 24/4C:5 (S70/V70 LHD) Connector 24/3D:15 (S70/V70 RHD)	Y-W
6	-	-	,
7	Left heated seat switch :2 Right heated seat switch :2 Right heated seat switch :3 (C70)	Junction point 23/414	P BL-Y
8	Right heated seat switch :4	Connector 24/4B:8 (S70/V70) Connector 24/2C:16 (C70)	GN-BN
9	-	-	
10	left heated seat switch :4	Connector 24/3B:1 (S70/V70) Connector 24/2C:3 (C70)	Y-R
11	-	-	



24/7B Natural 10-pin
Tunnel cable harness - Firewall cable harness

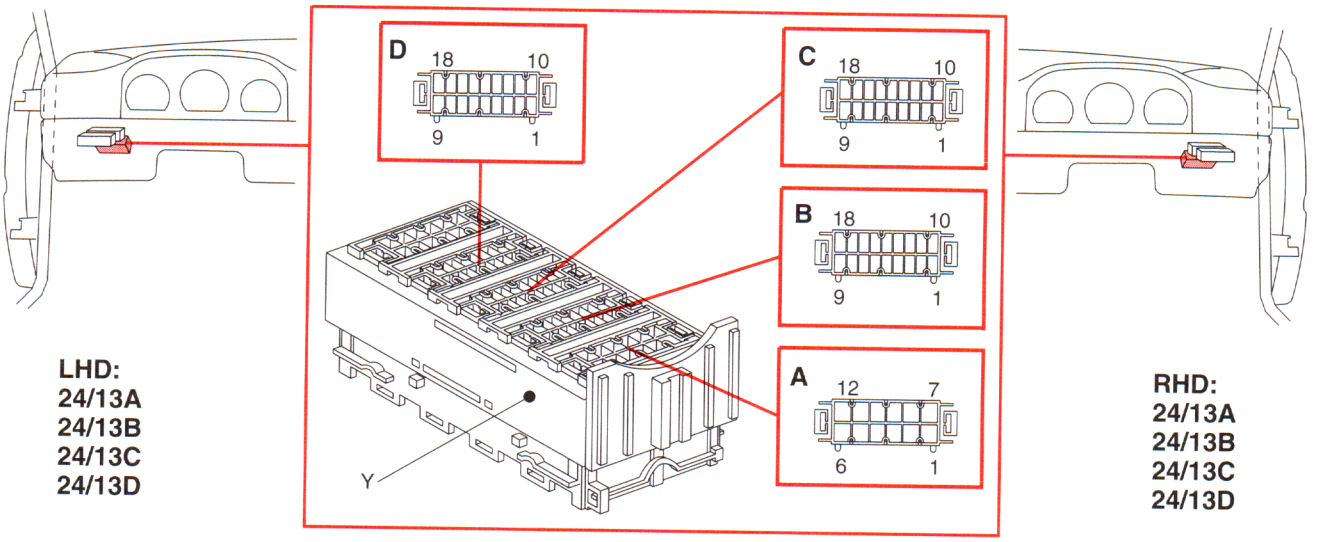
Term.	Female	Male	Color
1	Data link connector (DLC) :16	Connector 24/2A:5 Connector 24/63:4	R
2	-	-	
3	Data link connector (DLC) :3	Connector 24/2E:6	Y-BN
4	Data link connector (DLC) :5	Ground terminal 31/15	BN
5	-	-	
6	-	-	
7	Data link connector (DLC) :7	Junction point 23/421	W
8	-	-	
9	Data link connector (DLC) :13	Connector 24/2B:17	Y-R
10	Data link connector (DLC) :4	Junction point 23/416	SB

Connector 24/9



24/9A Green 12-pin
Roof harness - Firewall cable harness

Term.	Female	Male	Color
1	Roof lamp passenger compartment :1	Junction point 23/411	R
2	Roof lamp passenger compartment :5	Connector 24/2E:7 Control module lock/alarm A:24	P-SB
3	Roof lamp passenger compartment :4	Connector 24/2B:5	GR
4	Junction point 23/702	Ground terminal 31/7 (LHD) [via 23/405] Ground terminal 31/15 (RHD) [via 23/416]	SB
5	Movement detector left :2 (S70/V70) Movement detector right :2 (S70/V70) power sun roof control module :3 (C70)	Connector 24/2B:11 (S70/V70) Control module lock/alarm A:22 (S70/V70 LHD) Connector 24/2B:2 (C70)	OR-W W
6	Movement detector left :5 (S70/V70) Power sun roof control module :2 (C70)	Connector 24/2B:12 (S70/V70) Control module lock/alarm B:15 (S70/V70 LHD) Connector 24/2B:3 (C70)	P-W GN
7	-	-	
8	Movement detector left :6 (S70/V70) Movement detector right :6 (S70/V70)	Connector 24/2A:8 (S70/V70) Control module lock/alarm B:1 (S70/V70)	GR-R
9	Rear view mirror :1 (C70)	Connector 24/2C:15 (C70)	BN-OR
10	Rear view mirror :2 (C70)	Connector 24/2A:10 (C70)	BL
11	Control module power sun roof :4 (C70)	Junction point 23/405 (C70)	SB
12	Control module power sun roof :1 (C70)	Junction point 23/412 (C70)	BL



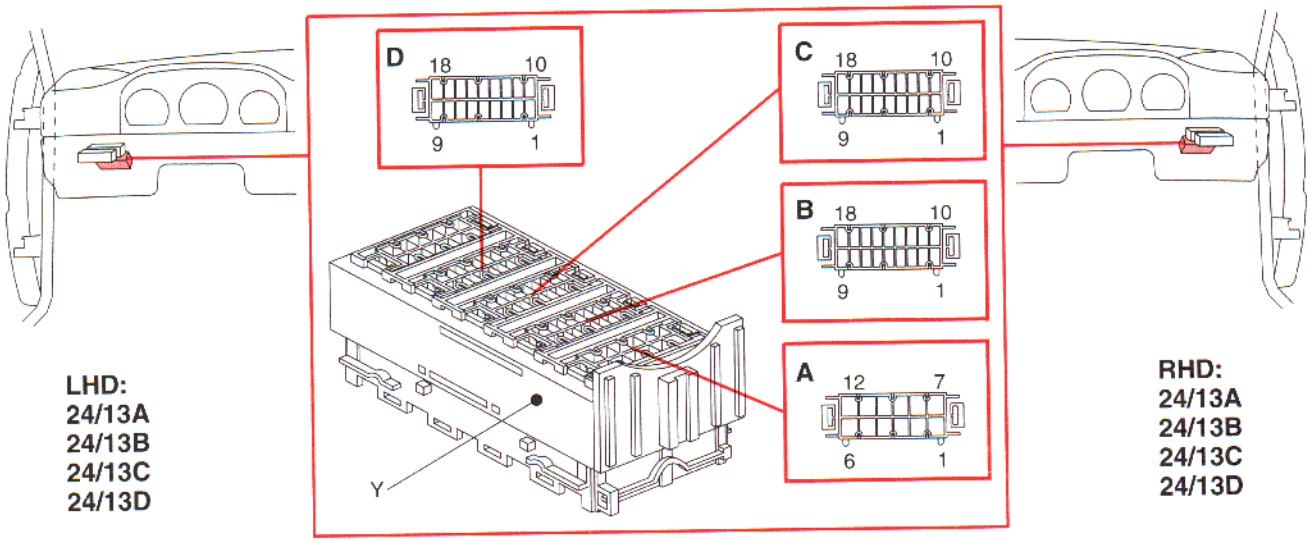
LHD:
24/13A
24/13B
24/13C
24/13D

RHD:
24/13A
24/13B
24/13C
24/13D

24/13A Green 12-pin
Dashboard harness - Engine compartment harness

Term.	Female	Male	Color
1	Radio A:4 and A:12	Fuse 11C/7:2	GN-BN / R-SB
2	Radio A:13	Fuse 11C/32:2	Y-VO
3	-	-	
4	Junction point 23/301	Ground rail, power ground	SB
5-7	-	-	
8	Power sun roof switch :4 Rheostat :1	fuse 11C/35:2 Connector 24/2C:15 (C70)	BN-OR
9	-	-	
10	TRACS switch :1 Combined instrument panel A:29	ABS control module :15	GN
11	Rear demist/heated door mirrors switch :6	Rear demist/heated door mirrors :4 Connector 24/2C:10	Y-R
12	Rear demist/heated door mirrors switch :1	Rear demist/heated door mirrors :9	BL-SB

Connector 24/13



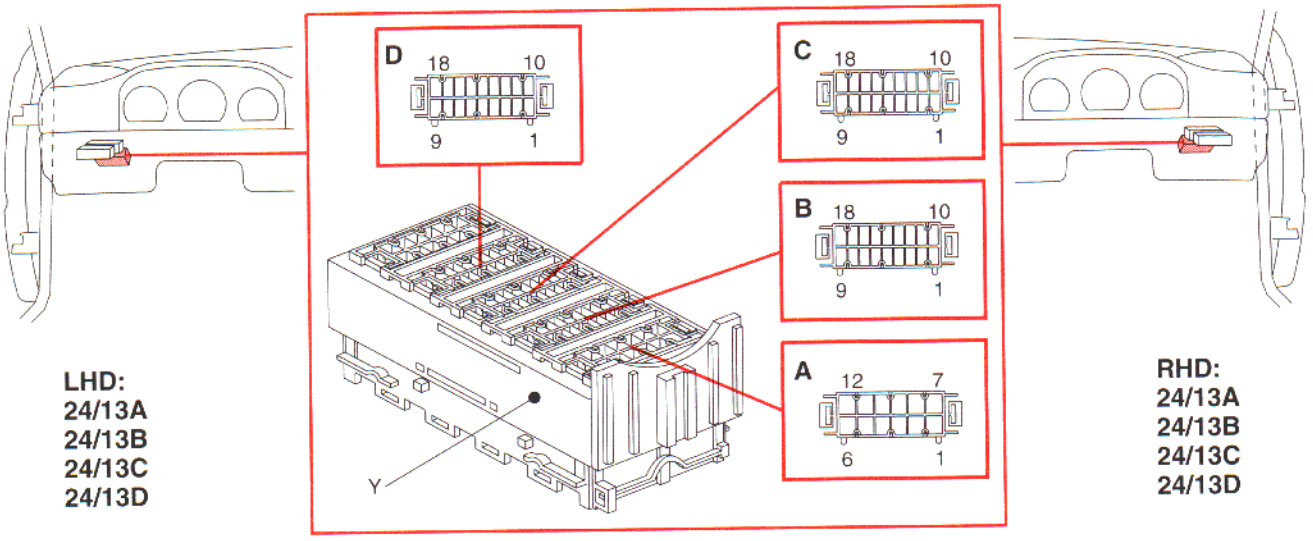
24/13B Light blue 18-pin
Dashboard harness - Engine compartment harness

Term.	Female	Male	Color
1	Switch front fog lamps :1	Fog lamp relay :4	BN-P
2	Switch front fog lamps :6	Fog lamp relay :5	GN-OR
3	Switch fog tail lamp :4	Fuse 11C/25:1	VO-W
4	Light switch :9	Headlamp relay with bulb failure warning sensor A:9	Y
5	Light switch :7	Fuse 11C/26:2	BL-Y
6	Light switch :5	Headlamp relay with bulb failure warning sensor B:9	GN-R
7	Light switch :6	Fuse 11C/8:2	R-SB
8	Light switch :2 Rheostat :3 (C70)	Fuse 11C/23:1	W
9	Combined instrument panel B:4	Connector 24/2E:5	W
10	Junction point 23/300	Connector 24/35:6	P
11	Headlamp range adjuster :5 (Not S70/V70 USA/CDN)	Ground rail, signal ground	OR-SB
12	Headlamp range adjuster :4	Left actuator motor headlamp range adjustment :2 Right actuator motor headlamp adjustment :2	BL
13	Headlamp range adjuster :3 (Not S70/V70 USA/CDN)	X-rail Left actuator motor headlamp range adjustment :3	OR-W
14	Radio A:3	Connector 24/2D:10 (RHD) Connector 24/14D:10 (LHD)	BL-W
15	Combined instrument panel B:5	Junction point 23/239	Y-VO
16	-	-	
17	-	-	
18	Junction point 23/302	Fuse 11C/15:3	R

24/13C Yellow 18-pin
Dashboard harness - Engine compartment harness

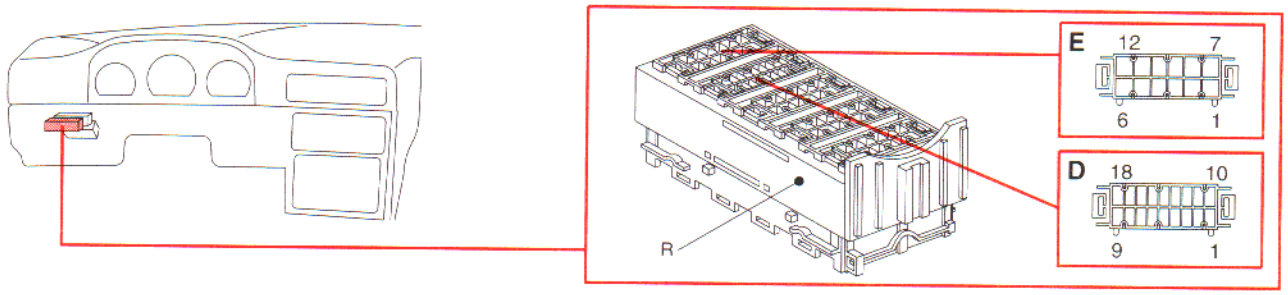
Term.	Female	Male	Color
1	Combined instrument panel A:3	ABS control module :6	BL
2	Combined instrument panel A:12	Connector 24/2E:4 control module AW 50-42 B:7	GR-OR
3	Combined instrument panel A:7	Connector 24/2B:8 Control module, cruise control S:8 (gasoline) Engine control module (ECM) B:18 (Diesel)	Y-SB
4	Combined instrument panel A:9	Engine control module (ECM) B:39	GR-R
5	Combined instrument panel A:11	Engine control module (ECM) B:21	W-SB
6	-	-	
7	Combined instrument panel A:13 Control module ECC C:3	Connector 24/15:3 Connector 24/2C:14 Engine coolant heater :4 (Diesel)	R-W
8	Combined instrument panel A:14	Engine coolant level switch :1	Y
9	Combined instrument panel A:15	Ground rail, signal ground	BN
10	Combined instrument panel A:18	Fuse 11C/2:1	BL-R
11	Combined instrument panel A:24	Outside temperature sensor Combined instrument panel :1	GR-SB
12	Combined instrument panel A:25	Outside temperature sensor Combined instrument panel :2	GN-SB
13	Combined instrument panel A:26 Control module ECC C:2	Engine control module (ECM) B:23	GN-GR
14	Combined instrument panel A:28	Brake fluid level switch :1	GR
15	Combined instrument panel A:30	Connector 24/15:4	BN-SB
16	Power sun roof switch :6	Connector 24/2B:3	GN
17	Power sun roof switch :3	Connector 24/2B:2	W
18	-	-	

Connector 24/13



24/13D Red 18-pin
Dashboard harness - Engine compartment harness

Term.	Female	Male	Color
1	Combined instrument panel B:1	engine control module (ECM) B:8 (Diesel) relay exhaust temperature sensor :3 (Gasoline)	P
2	Combined instrument panel B:2	Fuse 11C/20:3	BL-W
3	Combined instrument panel B:6	ABS control module :16	VO
4	Combined instrument panel B:8	fuse 11C/25:3	VO-W
5	Combined instrument panel B:14	Connector 24/2C:4	BL-BN
6	Entry lighting driver's side :2	Relay seat belt reminder/key warning :3 Connector 24/2C:8	W-SB
7	Combined instrument panel B:10	Headlamp relay with bulb failure warning sensor B:7 Connector 24/14D:4 (LHD) Connector 24/2D:4 (RHD)	GN-W
8	Combined instrument panel B:11	Engine control module (ECM) B:7 (S70/V70) Engine control module (ECM) B:27 (C70)	BN-W
9	Combined instrument panel B:12	Washer fluid level switch :2	BL-P
10	Entry lighting passenger side :2	Connector 24/2C:17	Y-BN
11	Indicator LED alarm/electronic park/neutral position (PNP) switch :1 Sun sensor ECC and indicator LED Alarm/electronic park/neutral position (PNP) switch :1 (C70)	Connector 24/2E:18	R
12	Glass breakage sensor :3 (S70/V70)	Connector 24/2B:12 (S70/V70) Alarm siren :5 (S70/V70)	P-W
13	Glass breakage sensor :4 (S70/V70)	Connector 24/2B:11 (S70/V70) Alarm siren :3 (S70/V70)	OR-W
14	Switch hazard warning signal flasher :7	Switch turn signal lamp/ High and low beam :5	GN-R
15	Switch hazard warning signal flasher :4 Combined instrument panel A:1	Junction point 23/208	BL-GN
16	Switch hazard warning signal flasher :5 Combined instrument panel B:7	Junction point 23/207	GN
17	Switch hazard warning signal flasher :9	Fuse 11C/27:2	BL-GR
18	Junction point 23/312	Fuse 11C/13:3 Connector 24/2E:12	R R-SB



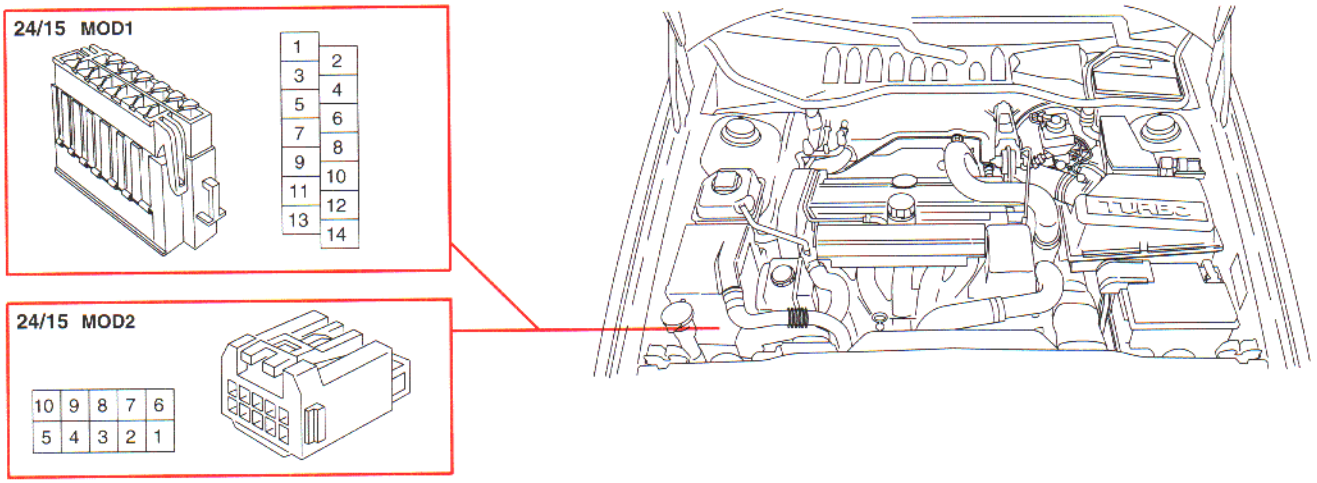
24/14D Red 18-pin (LHD)
Left door sill harness - Engine compartment harness

Term.	Female	Male	Color
1	Bulb failure warning sensor rear :3 License plate lighting :2	Fuse 11C/23:3 Left headlamp :4 (C70)	W
2	Bulb failure warning sensor rear :4 and :7	Fuse 11C/24:3	GR
3	Bulb failure warning sensor rear :12	Junction point 23/201	Y
4	Bulb failure warning sensor rear :11	Connector 24/13D:7 Headlight relay with bulb failure warning sensor B:7 (S70/V70)	GN-W
5	Bulb failure warning sensor rear :8	15l-rail	BL-Y
6	Connector 24/81:4 (S70) Right tail lamp B:6 (S70), A:5 (V70) Left tail lamp B:6 (S70), A:5 (V70)	Connector 24/2C:1 Connector 24/15 :7 (MOD1), :6 (S70/V70 MOD2) Connector 24/2A:10 (C70)	BL
7	Connector 24/81:3 (S70) Right tail lamp B:1 (S70), A:3 (V70) Left tail lamp B:1 (S70), A:3 (V70)	Fuse 11C/25:2	VO-W
8	Connector 24/81:1 (S70) left tail lamp K:6 (S70), B:3 (V70)	Junction point 23/207	GN
9	Connector 24/81:2 (S70) Right tail lamp K:6 (S70), B:3 (V70)	Junction point 23/208	BL-GN
10	Power antenna :3	Connector 24/13B:14	BL-W
11	Connector 24/21:6	Relay seat belt reminder/key warning :6 (S70/V70)	GR-SB
12-14	-	-	
15	Control module left seat A:2	Connector 24/2A:7 (S70/V70) Fuse 11C/36:2 (S70/V70)	GN-R/Y-W
16	Glass breakage sensor :1 (V70)	Connector 24/2C:3 (S70/V70)	GR-SB
17	Connector 24/25:8	Intermittent relay tailgate wiper :1 (S70/V70)	GN-OR
18	Connector 24/25:9	X-rail (S70/V70)	Y-R

24/14E White 12-pin (LHD)
Left door sill harness - Engine compartment harness

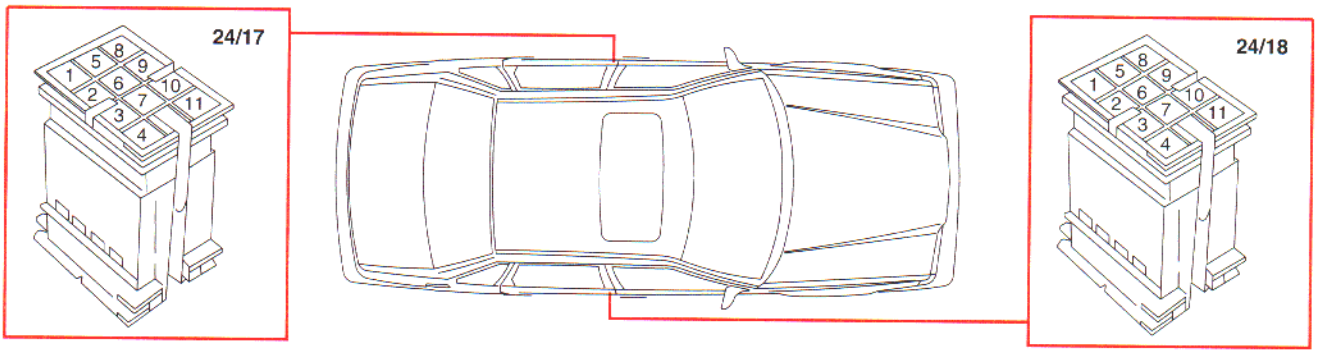
Term.	Female	Male	Color
1	Connector 24/25:1	rear demist/heated door mirrors relay :3	Y-R
2	Left seat control module :1	Fuse 11C/39:2	GN-R
3	-	Fuse 11C/1:2 (C70)	P-SB
4	-	Fuse 11C/12:2 (C70)	R
5	-	Fuse 11C/9:2 (C70)	R
6	Power antenna CD player :1	Fuse 11C/16:3	GR-R
7-11	-	-	
12	-	Relay heated seat left :3 (C70)	Y-R

Connector 24/15



24/15 Black 14-pin (MOD1), Light gray 10 pin (MOD2) Engine harness - Engine compartment harness

Term.	Male	Female	Color
1	Engine control module (ECM) A:12 (gasoline) Engine control module (ECM) A:12 (Diesel) Connector 24/15:5 (Fenix)	Ignition switch :15	BL-R BN-R
2	Connector 24/53:9 (AUTO, Not Fenix) Solenoids AW 50-42 (AUTO Fenix) Back-up (reversing) lamp switch :1 (MAN)	Fuse 11C/27:3	BL-GR
3	Generator	Connector 24/13C:7 Connector 24/2C:14 (S70/V70)	R-W
4	Connector 24/15:4 (Not Fenix) Oil pressure switch (Fenix)	Connector 24/13C:15	BN-SB
5	Connector 24/43:4 (Motronic) Engine control module (ECM) A:26 (MAN Motronic) Control module AW 50-42 :9 (AUTO Motronic) Connector 24/15:1 (Fenix)	Main relay fuel injection system :2	R BL-R
6	Back-up (reversing) lamp switch :2 (MAN MOD2) Connector 24/53:5 (AUTO MOD2, Not Fenix) Solenoids AW 50-42 :5 (MOD2 Fenix)	Connector 24/2C:1 (MOD2)	BL
7	Connector 24/53:5 (AUTO MOD1, Not Fenix) Back-up (reversing) lamp switch :2 (MAN MOD1) Solenoids AW 50-42 :5 (AUTO MOD1 Fenix) Magnetic clutch A/C (MOD2 Fenix) A/C relay :5 (MOD2, Not Fenix)	Connector 24/2C:1 (MOD1) Connector 24/14D:6 (LHD MOD1) Relay A/C :5 (MOD2)	BL GR
8	Engine control module (ECM) A:17 (Diesel MOD2)	Boost pressure sensor :1 (Diesel MOD2)	Y-SB
9	A/C relay :5 (MOD1, Not Fenix) Magnetic clutch A/C (MOD1 Fenix) Engine control module (ECM) A:2 (Diesel MOD2)	Relay A/C :5 (MOD1) Boost pressure sensor :2 (Diesel MOD2)	GR
10	Engine control module (ECM) A:32 (Diesel MOD2)	Boost pressure sensor :3 (Diesel MOD2)	BL-GN
11	-	-	
12	Engine control module (ECM) A:17 (Diesel MOD1)	Boost pressure sensor :1 (Diesel MOD1)	Y-SB
13	Engine control module (ECM) A:2 (Diesel MOD1)	Boost pressure sensor :2 (Diesel MOD1)	Y-GR
14	Engine control module (ECM) A:32 (Diesel MOD1)	Boost pressure sensor :3 (Diesel MOD1)	BL-GN



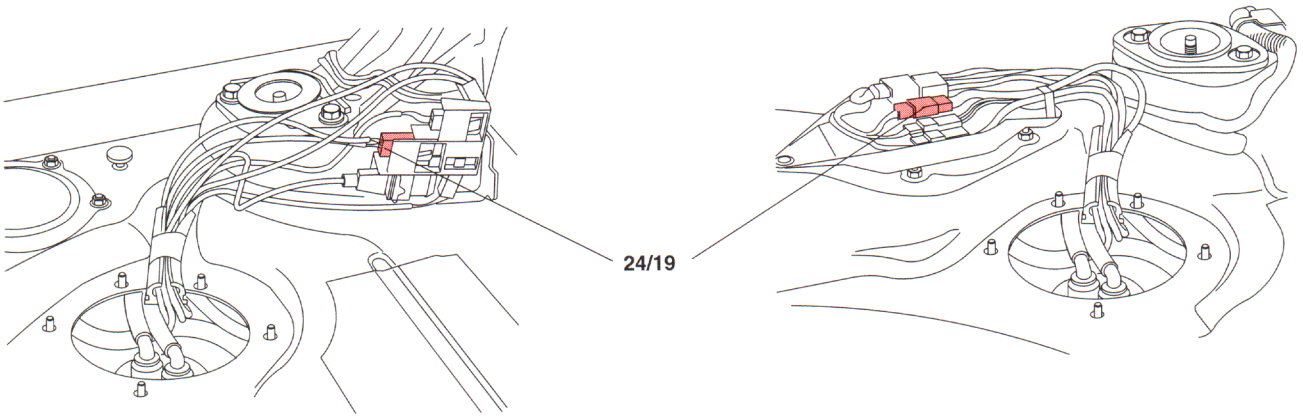
24/17 Natural 11-pin
Cable harness left rear door - Left door sill harness

Term.	Male	Female	Color
1	Loudspeakers :1	Connector 24/3B:12 Left-hand side parcel shelf loudspeaker :1 (S70) Left-hand side D-post loudspeaker :1 (V70)	BN-W
2	Loudspeakers :2	Connector 24/3B:8 Left-hand side parcel shelf loudspeaker :2 (S70) Loudspeakers D-post left-hand side :2 (V70)	BN-SB
3	Power window switch :3	Connector 24/3C:5	GR-R
4	Door open warning lamp :1	Cargo compartment lighting :1 Connector 24/3B:7	R
5	Lock unit B:3	Ground terminal 31/47	SB
6	Lock unit A:4	Connector 24/3B:4	VO
7	Power window switch :1	Connector 24/3C:3	GN-GR
8	Lock unit A:1	Connector 24/3B:2	Y-BN
9	Lock unit A:3	Connector 24/3B:3 (S70) Connector 24/17:9 (V70)	Y
10	Power window switch :6	Connector 24/3C:4	Y-SB
11	Lock unit B:4 Door open warning lamp :2	Connector 24/3B:6	GR-W

24/18 Natural 11-pin
Right rear door cable harness - Right door sill harness

Term.	Male	Female	Color
1	Loudspeakers :1	Connector 24/4B:5 (MOD1) Connector 24/4C:8 (MOD2)	Y-SB / P-SB
2	Loudspeaker :2	Connector 24/4B:4 (MOD1) Connector 24/4C:7 (MOD2)	Y-GR / P-W
3	Power window switch :3	Connector 24/4C:4	GR-R
4	Door open warning lamp :1	Connector 24/4B:6	R
5	Lock unit B:2	Ground terminal 31/48	SB
6	Lock unit A:1	Connector 24/4C:12	VO
7	Power window switch :1	Connector 24/4C:2	BL-GN
8	Lock unit A:4	Connector 24/4C:10	Y-BN
9	Lock unit A:2	Connector 24/4C:11	Y
10	Power window switch :6	Connector 24/4C:3	BL-SB
11	Lock unit B:1 Door open warning lamp :2	Connector 24/4B:7	Y-W

Connectors 24/19 and 24/20

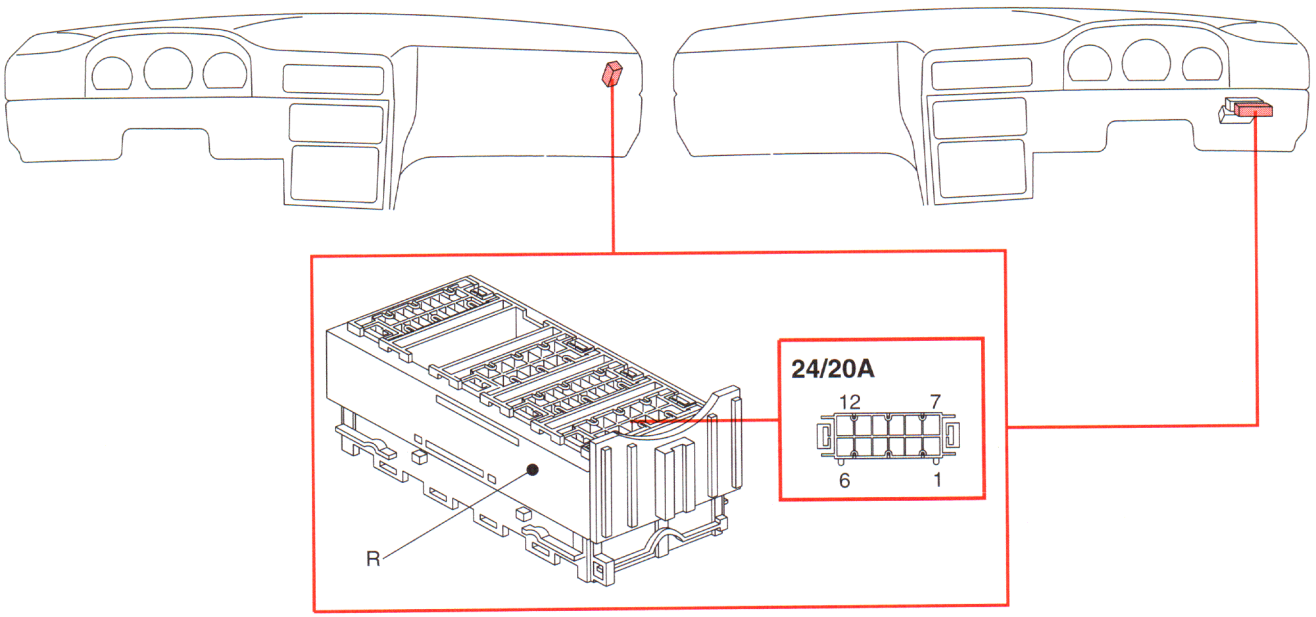


S70, C70

V70

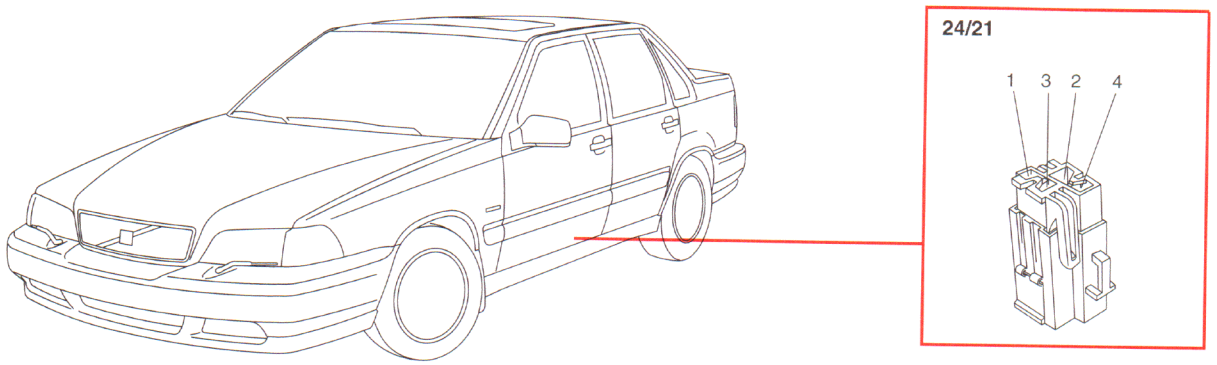
24/19 Yellow 4-pin
Right door sill harness - Rear wheel sensor harness

Term.	Female	Male	Color
1	Connector 24/4B:10	ABS left rear sensor	GN-R
2	Connector 24/4B:12	ABS right rear sensor	GN-W
3	Connector 24/4B:11	ABS left rear sensor	GN-Y
4	Connector 24/4B:13	ABS right rear sensor	GN-SB



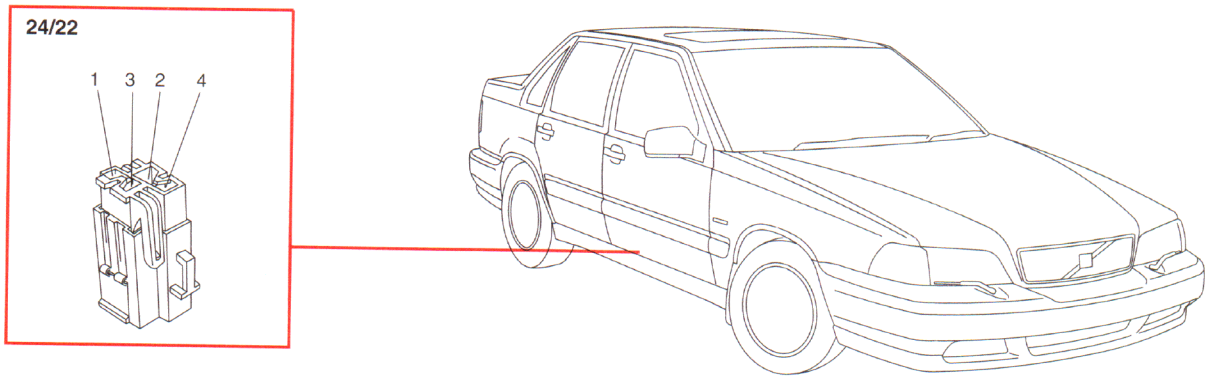
24/20A Green 12-pin
Power sun roof cable harness - Firewall cable harness

Term.	Female	Male	Color
1	Control module power sun roof :1	Junction point 23/412	BL
2	Power sun roof control module :2	Connector 24/2B:3	GN
3	Power sun roof control module :3	Connector 24/2B:2	W
4	Power sun roof control module :4	Junction point 23/405	SB
5-12	-	-	



24/21 Natural 6-pin
Left door sill harness - left seat harness

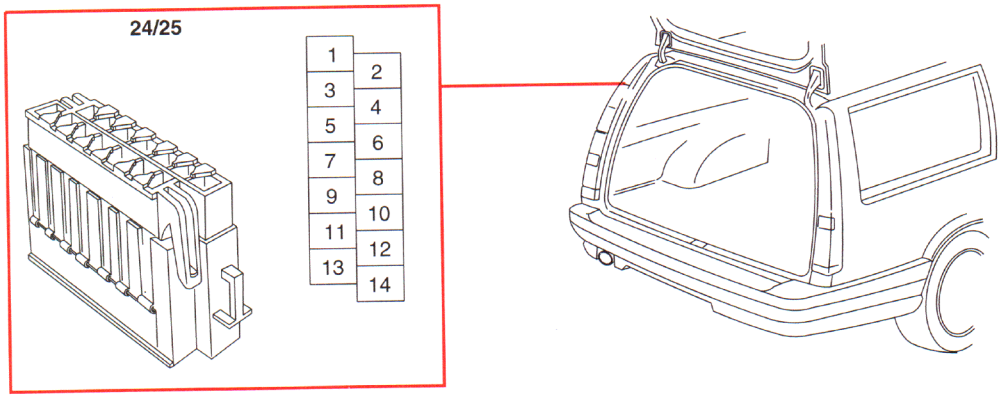
Term.	Female	Male	Color
1	Connector 24/3B:1 (S70/V70) Connector 24/3E:12 (C70)	Cushion heater pad left seat	Y-R
2	-	-	
3	-	-	
4	Connector 24/21:5	Seat belt lock left seat	SB
5	Ground terminal 31/47 Connector 24/21:4	Backrest heater pad left seat	SB
6	Connector 24/3B:5 (Not S70/V70 MOD2) Connector 24/14D:11 (S70/V70 MOD2)	Seat belt lock left seat	GR-SB



24/22 Natural 6-pin
Right door sill harness - right seat harness

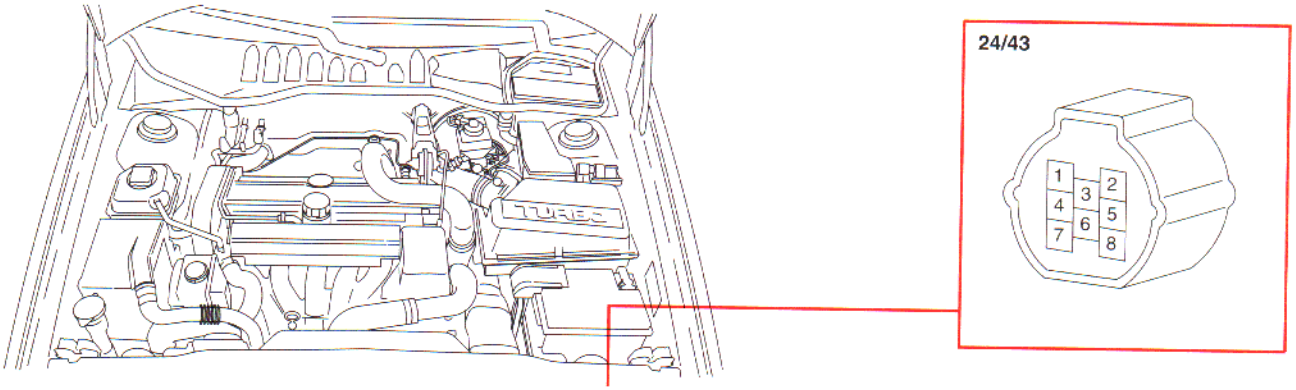
Term.	Female	Male	Color
1	Connector 24/4B:8 (S70/V70) Connector 24/4C:12 (C70)	Cushion heater pad left seat	GN-BN
2	-	-	-
3	-	-	-
4	Connector 24/22:5	Seat belt lock right seat	SB
5	Ground terminal 31/48 Connector 24/22:4	Backrest heater pad left seat	SB
6	Connector 24/4C:6	Seat belt lock	GR-SB

Connector 24/25



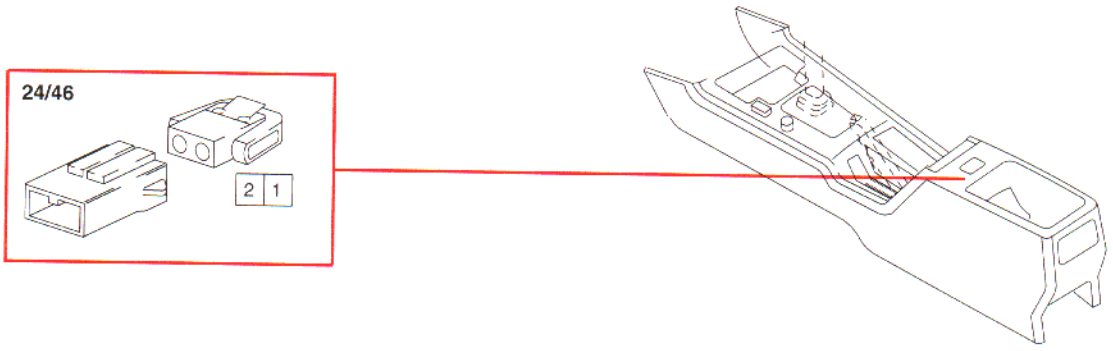
24/25 Black 14-pin
Tailgate cable harness - Left door sill harness

Term.	Female	Male	Color
1	Rear demist	Connector 24/14E:1	Y-R
2	Rear demist	Alarm wire right rear window :2	GN-Y
3	Tailgate lock unit :6	Connector 24/3B:10	P-SB
4	Tailgate lock unit :7	Junction point 23/401	Y
5	-	Connector 24/3B:9 (V70)	Y
6	Tailgate lock unit :5	Connector 24/3C:10	GN-BN
7	Tailgate wiper motor :3	Junction point 23/417	OR-SB
8	Tailgate wiper motor :1	Connector 24/3D:17 (RHD) Connector 24/14D:17 (LHD)	GN-OR
9	Tailgate wiper motor :2	Connector 24/3D:18 (RHD) Connector 24/14D:18 (LHD)	Y-VO
10	Junction point 23/601	Junction point 23/417	SB
11	License plate lighting :1	Bulb failure warning sensor rear :3 Connector 24/14D:1	W
12	High-mounted stop (brake) lamps :1	Bulb failure warning sensor rear :10	GR-SB
13	Tailgate lock unit :1	Cargo compartment lighting :2 Connector 24/3:9	BL-BN
14	Rear demist	Junction point 23/417	SB



24/43 Black 8-pin
Engine compartment harness - engine harness

Term.	Female	Male	Color
1	Fuel injection system main relay :4 (Gasoline) Fuse 11B/2 (Diesel)	Engine control module (ECM) A:41 (Gasoline) Junction point 23/17 (Diesel)	OR-SB GN-W
2	Junction point 23/227 (Motronic) Main relay fuel injection system :4 (Diesel)	Junction point 23/6 (Motronic) Front heated oxygen sensor (HO2S) :1 (Fenix) Engine control module (ECM) A:41 (Diesel)	GN-OR OR-SB
3	Fuse 11B/2	Junction point 23/11 (Gasoline)	GN
4	Fuse 11B/1 (Gasoline) Fuse 11B/2 (Diesel) Ignition switch :30l	Connector 24/15:5 (Motronic) Engine control module (ECM) :26 (Fenix) Control module AW 50-42 :10 (Not Motronic)	R GN-W/R R
5	Fuse 11B/3 (Diesel)	Junction point 23/18 (Diesel)	GN-Y
6	Starter motor relay :3	Starter motor (MAN) Connector 24/53:6 (AUTO, Not Fenix) Solenoids AW 50-42 :6 (Fenix)	GN-R
7	Fuse 11B/4	Control module AW 50-42 :30 (Not Fenix)	GN-W
8	Glow plug relay (diesels) :4 (Diesel)	Engine control module (ECM) A:9 (Diesel)	GR-R



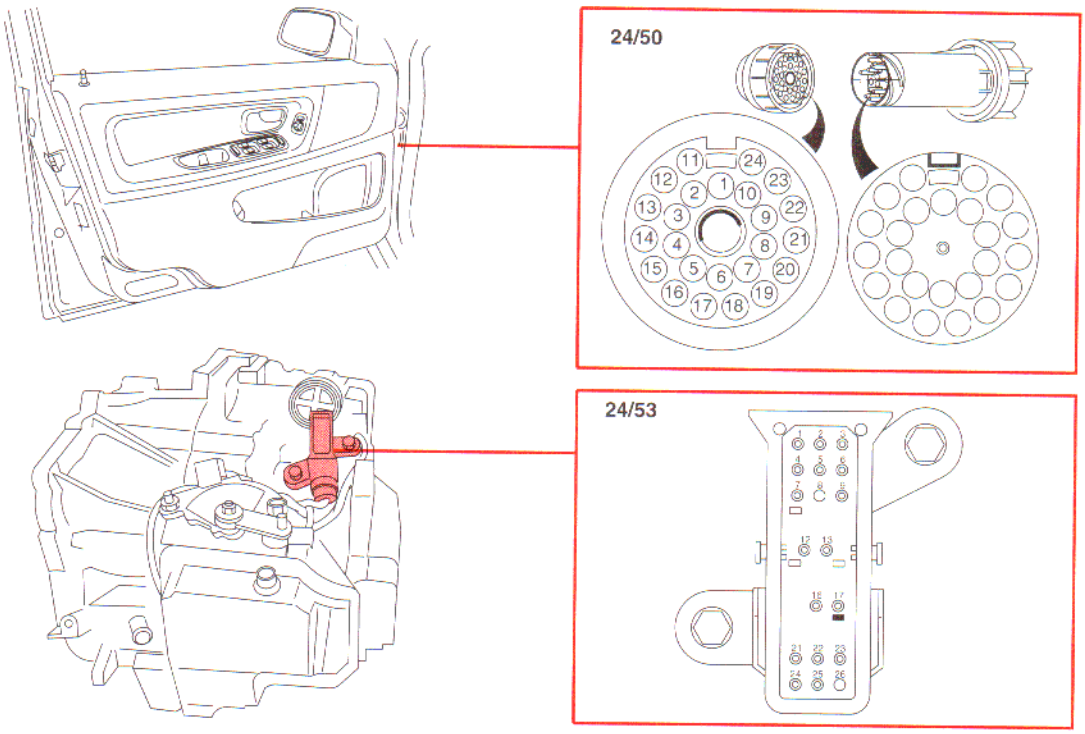
24/46 Yellow 2-pin
Heated rear seat cable harness - Tunnel cable harness

Term.	Male	Female	Color
1	Cushion heater pad right-hand side :1 Cushion heater pad left-hand side :1	Heated rear seat relay :4	VO-W
2	-	-	

Connector 24/50

24/50 Black 24-pin
Driver's door cable harness - Firewall cable harness

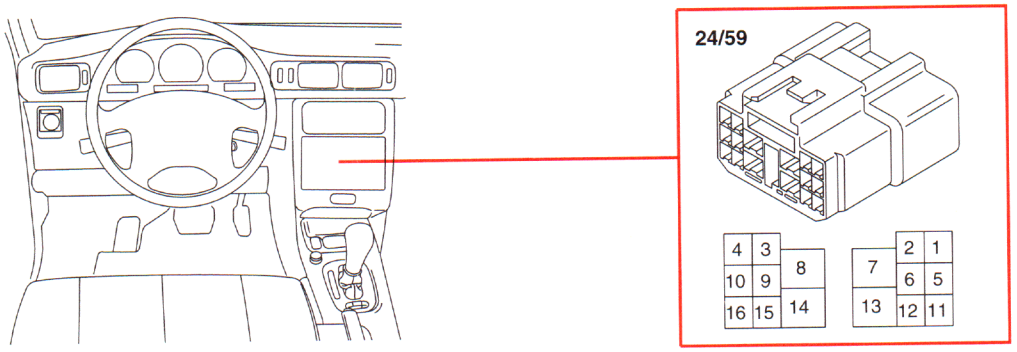
Term.	Female	Male	Color
1	Left front door open warning lamp :1	Junction point 23/411	R
2	Power window switch B:5 (S70/V70)	Junction point 23/423 (MOD1) Connector 24/3C:5 (S70/V70 MOD2)	GR-R
3	Power window switch A:2 (LHD), A:1 (RHD) Junction point 23/609 (RHD)	Junction point 23/412	BL SB
4	Lock unit A:4 (LHD), A:1 (RHD)	Junction point 23/419 (MOD1) Connector 24/3B:4 (S70/V70 MOD2) Control module lock/alarm A:2 (MOD2)	VO VO-W
5	Loudspeakers (S70/V70) Splitting filter right door :2 (C70 RHD) Splitting filter right door :2 (C70 LHD)	Connector 24/61 :8 (S70/V70), :14 (C70) Radio B:4 (S70/V70 LHD) Radio B:10 (S70/V70 RHD) Connector 24/3B:12 (C70 LHD) Connector 24/3C:6 (C70 RHD)	GN-W R-SB GN-SB R-SB
6	Junction point 23/603	Ground terminal 31/7 [via 23/405]	SB
7	Loudspeakers Splitting filter right door :1 (C70 RHD) Splitting filter right door :1 (C70 LHD)	Connector 24/61 :14 (S70/V70), :8 (C70) Radio B:3 (S70/V70 LHD) Radio B:9 (S70/V70 RHD) Connector 24/3C:1 (C70 RHD) Connector 24/3B:12 (C70 LHD)	GN-BN R-W GN-W
8	Power window switch A:5 (LHD), A:3 (RHD) Power window motor driver's door :1 (C70 RHD) Power window motor driver's door :2 (C70 LHD)	Connector 24/60:22	W GN BL-GN
9	Power window switch A:6 (LHD), A:4 (RHD)	Connector 24/60:13	BL-W
10	Junction point 23/604	Connector 24/2C:8 Control module lock/alarm A:23	W-SB
11	Power window switch C:1 Switch trunk lid/fuel tank filler cover :1 (LHD), :5 (RHD)	Junction point 23/424	Y-W
12	Junction point 23/609	Connector 24/2E:10	SB
13	Power window switch B:2 (S70/V70)	Connector 24/3C:3 (S70/V70)	GN-GR
14	Lock unit A:1 (LHD), A:4 (RHD)	Control module lock/alarm B:13	BL-BN
15	Lock unit A:3 (LHD), A:2 (RHD)	Junction point 23/409	Y
16	Power window switch C:2 Lock unit B:1 (LHD), B:4 (RHD)	Control module lock/alarm A:18	GR-R
17	Power window switch C:4 Lock unit B:2 (LHD), B:3 (RHD)	Junction point 23/406	Y-GR
18	Rear-view mirror switch :5	Junction point 23/428 (Not S70/V70 MOD2) Connector 24/2C:10 (S70/V70 MOD2)	Y-R
19	Power door mirror switch :7 (LHD), :10 (RHD)	Connector 24/60:19	GR
20	Power door mirror switch :2	Connector 24/60:20	BN-W
21	Power door mirror switch :8 (LHD), :6 (RHD)	Connector 24/60:21	BN-SB
22	Power window switch B:6 (S70/V70)	Connector 24/3C:4 (S70/V70)	Y-SB
23	Power window switch B:3 (S70/V70)	Connector 24/4C:3 (S70/V70)	BL-SB
24	Power window switch B:1 (S70/V70)	Connector 24/4C:2 (S70/V70)	BL-GN



24/53 Black 26-pin
Engine harness - AW 50-42

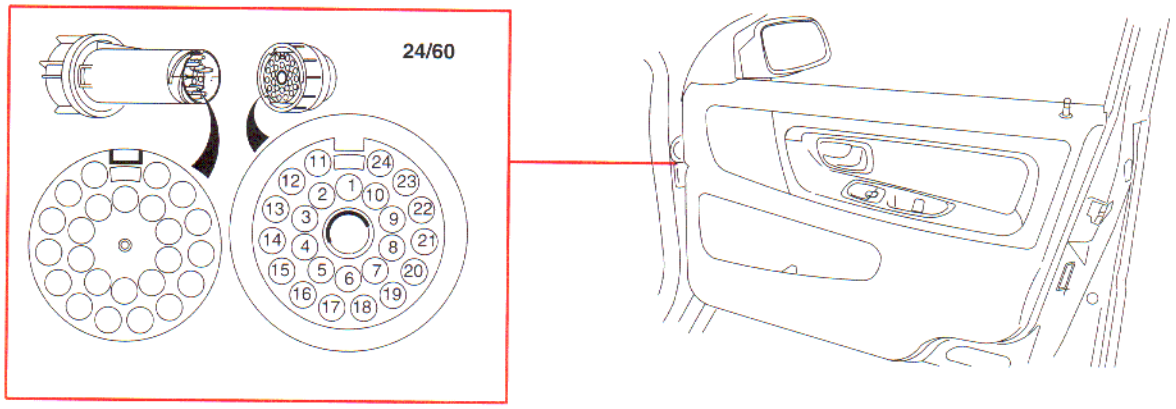
Term.	Female	Male	Color
1	Control module AW 50-42 :3	Gear-shift position sensor (A)	W
2	Control module AW 50-42 :4	Gear-shift position sensor (B)	Y
3	Control module AW 50-42 :5	Gear-shift position sensor (C)	GN
4	Control module AW 50-42 :6	Gear-shift position sensor (PA)	BL
5	Connector 24/15:7 (MOD1) Connector 24/15:6 (MOD2)	Gear-shift position sensor (BL)	BL
6	Connector 24/43:6	Gear-shift position sensor (50)	GN-R
7	Starter motor :2	Gear-shift position sensor (50S)	GN
8	-	Gear-shift position sensor (SG)	
9	Connector 24/15:2	Gear-shift position sensor (15I)	BL-GR
10	-	-	
11	-	-	
12	Control module AW 50-42 :14	Oil temperature sensor AW 50-42	BL-GN
13	Control module AW 50-42 :15	Oil temperature sensor AW 50-42	BL-SB
14	-	Engine speed (RPM) sensor	
15	-	Engine speed (RPM) sensor	
16	Control module AW 50-42 :1	-	Y-W
17	Control module AW 50-42 :2	-	Y-BN
18	-	-	
19	-	-	
20	-	-	
21	Control module AW 50-42 :27	Shift solenoid 1	GN-W
22	Control module AW 50-42 :28	Shift solenoid 2	BN-W
23	Control module AW 50-42 :9	Lock-up solenoid	BN-SB
24	Control module AW 50-42 :22	Pressure solenoid	VO
25	Control module AW 50-42 :23	Pressure solenoid	VO-W
26	-	-	

Connector 24/59



24/59 Natural 16-pin
Cable harness RTI - Display RTI

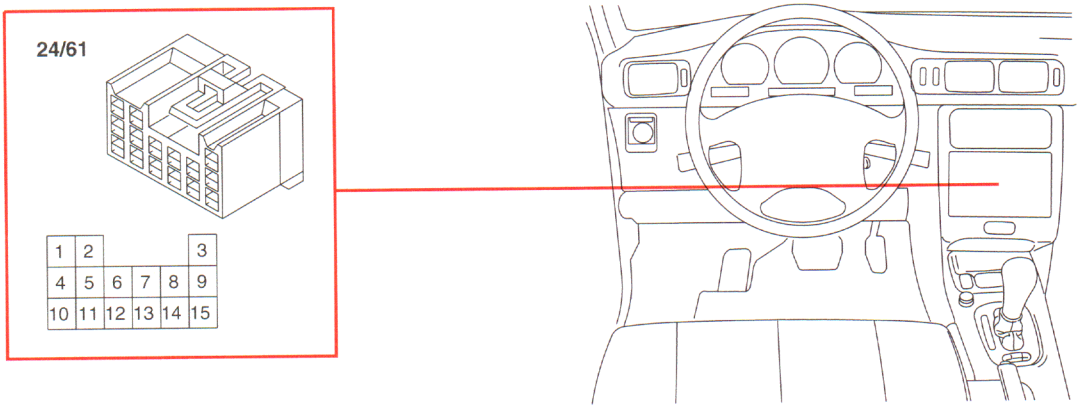
Term.	Male	Female	Color
1	Control module RTI A:27	Display RTI :7	BL
2	Control module RTI A:11	Display RTI :6	P
3	Control module RTI A:12	Display RTI :5	W
4	Control module RTI A:29	Display RTI :4	GN
5	Control module RTI A:13	Display RTI :3	GR
6	Control module RTI A:30	Display RTI :2	Y
7	Control module RTI A:14	Display RTI :1	BN
8	Driver's side A-post ground terminal[via 23/316]	Display RTI :16	SB
9	Driver's side A-post ground terminal[via 23/316]	Display RTI :15	SB
10	Control module RTI B:4 Connector 24/61:4	Display RTI :14	P
11	Junction point 23/315	Display RTI :13	Y-VO
12	Junction point 23/314	Display RTI :12	R
13	Junction point 23/314	Display RTI :11	R
14	Control module RTI A:28	Display RTI :8	SB
15	-	-	
16	-	-	



24/60 Black 24-pin
Passenger door cable harness - Firewall cable harness

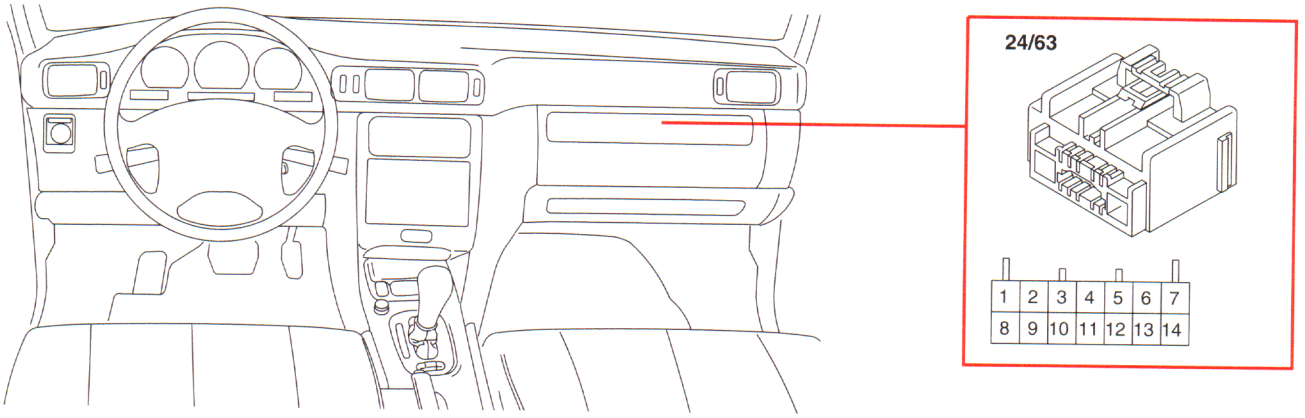
Term.	Female	Male	Color
1	Right front door open warning lamp :1	Junction point 23/411	R
2	-	-	
3	Front passenger door power window switch A:1	Junction point 23/412	BL
4	Lock unit A:1 (LHD), A:4 (RHD)	Junction point 23/425 (S70/V70 MOD1) Connector 24/4C:12 (S70/V70 MOD2) Control module lock/alarm A:15 (C70)	VO
5	Loudspeakers (S70/V70) Splitting filter :2 (C70 RHD), :1 (C70 LHD)	Radio B:4 (S70/V70 RHD) Radio B:10 (S70/V70 LHD) Connector 24/3C:6 (C70 LHD) Connector 24/3B:8 (C70 RHD)	GN-W R-SB GN-SB
6	Junction point 23/606	Ground terminal 31/7 [via 23/405]	SB
7	Loudspeakers (S70/V70) Splitting filter :1 (C70 RHD), :2 (C70 LHD)	Radio B:3 (S70/V70 RHD) Radio B:9 (S70/V70 LHD) Connector 24/3C:1 (C70 LHD) Connector 24/3B:12 (C70 RHD)	GN-BN R-W GN-W
8-9	-	-	
10	Junction point 23/605	Connector 24/2C:17 Control module lock/alarm B:5	Y-BN
11	Power window switch C:5	Junction point 23/424	Y-W
12	Power door mirror :3	Ground terminal 31/15 [via 23/416]	SB
13	Power window switch A:2	Connector 24/50:9	BL-W
14	Lock unit A:4 (RHD), A:1 (LHD)	Junction point 23/408 (S70/V70) Control module lock/alarm B:2 (C70)	Y-BN
15	Lock unit A:2 (RHD), A:3 (LHD)	Junction point 23/409	Y
16	Power window switch C:3	Control module lock/alarm A:6	BL-P
17	Power window switch C:6	Junction point 23/406	Y-GR
18	Rear-view mirror switch :5	Junction point 23/428 (Not S70/V70 MOD2) Connector 24/2C:10 (S70/V70 MOD2)	Y-R
19	Power door mirror :2	Connector 24/50:19	GR
20	Power door mirror :1	Connector 24/50:20	BN-W
21	Power door mirror :4	Connector 24/50:21	BN-SB
22	Power window switch A:3	Connector 24/50:8	W
23	-	-	
24	-	-	

Connector 24/61



24/61 White 15-pin
Firewall cable harness - RTI cable harness

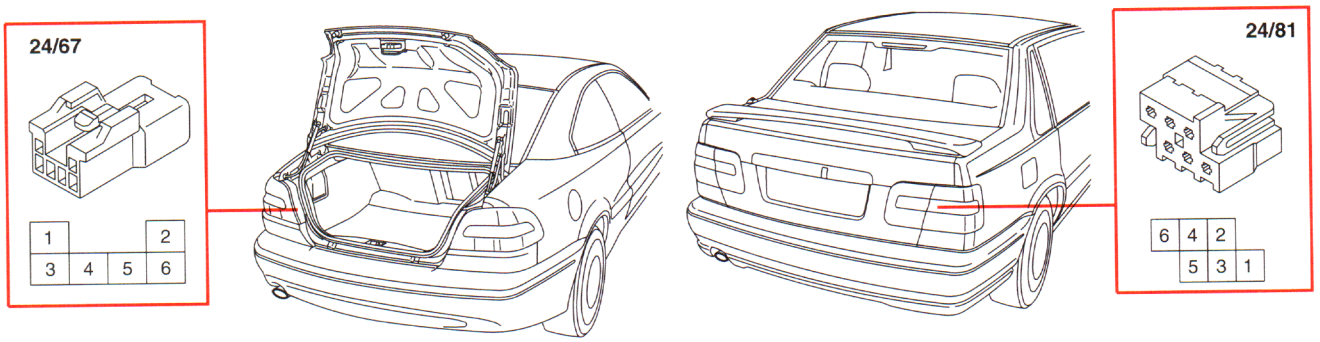
Term.	Female	Male	Color
1	Junction point 23/411	Junction point 23/314	R
2	Connector 24/2A:12 Connector 24/7A:3	Junction point 23/315	Y-VO
3	Radio B:7 Connector 24/2B:8 Control module lock/alarm B:9	Control module RTI B:3	Y-SB
4	Junction point 23/414	Connector 24/59:10	P
5	Connector 24/1E:1 Parking brake switch	Control module RTI B:9	Y
6	-	-	
7	Radio :10 (S70/V70 RHD) Radio :4 (S70/V70 LHD) Connector 24/50:5 (S70/V70) Connector 24/3B:12 (C70)	Control module RTI A:9	GR-R GR-SB
8	Connector 24/50:5 (S70/V70) Connector 24/50:7 (C70)	Control module RTI A:10	GN-W GN-BN
9	-	-,	
10	Connector 24/2C:1 Connector 24/3D:6 (S70/V70 RHD)	Control module RTI A:14	BL
11	Junction point 23/440	Control module RTI B:2	BL-R
12	Junction point 23/421	Control module RTI B:13	W
13	Radio :9 (S70/V70 RHD) Radio :3 (S70/V70 LHD) Connector 24/50:7 (S70/V70) Connector 24/3B:8 (C70 LHD) Connector 24/3C:6 (C70 RHD)	Control module RTI A:25	GR-SB GR-R GN-BN
14	Connector 24/50:7 (S70/V70) Connector 24/50:5 (C70)	Control module RTI A:26	GR-BN GN-W
15	Junction point 23/405	Junction point 23/316	SB



24/63 Light gray 14-pin
Climate control cable harness - Firewall cable harness

Term.	Male	Female	Color
1	Junction point 23/305	Connector 24/2A:4	Y-VO
2	-	-	
3	Climate control system B:22 (MCC) Control module ECC A:3	Connector 24/2C:2	BL-GR
4	Climate control system B:17 (Not ECC)	Connector 24/2A:5	R
5	Climate control system B:18 (Not ECC) Control module ECC A:16	Junction point 23/414	P
6	Control module ECC A:30	Junction point 23/421	W
7-13	-	-	
14	Junction point 23/304	Ground terminal 31/15 [via 23/416]	SB

Connectors 24/67 and 24/81



24/67 Natural 6-pin (C70)
Left door sill harness - Tailgate harness

Term.	Female	Male	Color
1	Cargo compartment lighting :2 Connector 24/3C:9	Lock unit tailgate :1	BL-BN / BL-R BL-BN
2	Connector 24/3E:2	Lock unit tailgate :1	P-SB / BL-BN
3	Connector 24/3C:10	Lock unit tailgate :1	GN-BN/GN-GR
4	-	-	
5	Junction point 23/434	License plate lighting left :A License plate lighting right :A	W GR-W
6	Junction point 23/422	License plate lighting left :B Lock unit tailgate :4 License plate lighting right :B	SB BN

24/81 Yellow 6-pin (S70)
Left door sill harness - Accessories

Term.	Female	Male	Color
1	Connector 24/3D:8 (RHD) Connector 24/14D:8 (LHD) Left tail lamp K:6	-	GN
2	Connector 24/3D:9 (RHD) Connector 24/14D:9 (LHD) Right tail lamp K:6	-	BL-GN
3	Connector 24/3D:7 (RHD) Connector 24/14D:7 (LHD) Left tail lamp B:1 Right tail lamp B:1	-	VO-W
4	Connector 24/3D:6 (RHD) Connector 24/14D:6 (LHD) Left tail lamp B:6 right tail lamp B:6	-	BL
5-6	-	-,	

General

For location of branching points in the car refer to section "Cable harness routing in the car" see pages 78-87

23/6 (Engine harness)

To/from		Color	Note
24/43:2	**Engine compartment harness (fuse 11B/5:2)**	**GN-OR**	
7/15:1	Heated oxygen sensor (HO2S), front	GN-OR	
8/18:1	Canister purge (CP) valve	GN-OR	
8/43	Solenoid valve pulsed secondary air injection system (PAIR)	GN-OR	
7/82:1	Heated oxygen sensor (HO2S), rear	GN-OR	
7/47	PTC resistor preheating	GN-OR	

23/8 (Engine harness, in the control module box.

To/from		Color	Note
7/105	**Outside temperature sensor engine control module (ECM)**	**BN-SB**	**Gasoline**
4/46A:18	Engine control module (ECM)	BN-SB	Gasoline
4/46:35	Engine control module (ECM)	BN-SB	
7/21:1	Camshaft position (CMP) sensor	BN-SB	Gasoline
7/54:1	Throttle position (TP) sensor	BN-SB	Gasoline
7/16:2	Engine coolant temperature (ECT) sensor	BN-SB	Gasoline
7/81:A	Manifold absolute pressure (MAP) sensor	BN-SB	Fenix
7/77:2	Air intake temperature sensor	BN-SB	Fenix
6/31:4	Fuel injection pump	BN-SB	Diesel

23/10 (Engine harness)

To/from		Color	Note
4/46:15	**Engine control module (ECM)**	**VO**	
7/54:2	Throttle position (TP) sensor	VO	
7/81:C	Manifold absolute pressure (MAP) sensor	VO	

23/11 (Engine harness, gasoline)

To/from		Color	Note
24/43:3	**Engine compartment harness (fuse 11B/2:2)**	**GN**	
4/46A:27	Engine control module (ECM)	GN	
8/5:1	Idle air control (IAC) valve	GN	
8/5:2	Idle air control (IAC) valve	GN	
7/17:3	Mass air flow (MAF) sensor	GN	
8/6-10	Injectors	GN	

Junction points

23/12 (Engine harness, diesel)

To/from		Color	Note
31/4	**Ground terminal engine**	**SB**	
4/46:42	Engine control module (ECM)	SB	
4/46:28	Engine control module (ECM)	SB	
4/46:13	Engine control module (ECM)	SB	
7/47:2	PTC resistor preheating	SB	
4/28:20	Control module AW 50-42	BN	
4/28:29	Control module AW 50-42	SB	

23/16 (Engine harness, diesel)

To/from		Color	Note
4/46A:11	**Engine control module (ECM)**	**W-SB**	
4/46A:26	Engine control module (ECM)	W-SB	
4/46A:27	Engine control module (ECM)	W-SB	
6/31:6	Fuel injection pump	W	

23/17 (Engine harness, diesel)

To/from		Color	Note
24/43:1	**Engine compartment harness + (fuse 11B/2)**	**GN-W**	
4/46A:14	Engine control module (ECM)	GN-W	
4/46A:29	Engine control module (ECM)	GN-W	
4/46A:43	Engine control module (ECM)	GN-W	
6/31:5	Fuel injection pump	GN-W	
8/50:3	Injection timing valve	GN	

23/18 (Engine harness, diesel)

To/from		Color	Note
24/43:5	**Engine compartment harness (fuse 11B/3)**	**GN-Y**	
4/47:1	PTC resistor preheating of air	GN-Y	
2/74:2	Engine coolant preheating relay	GN-Y	
8/28:2	Turbocharger (TC) control valve	GN-Y	
8/17:2	EGR converter	GN-Y	

23/201 (Engine compartment harness)

To/from		Color	Note
24/14D:3	**Left door sill harness**	**Y**	**LHD**
24/2D:3	**Firewall cable harness**	**Y**	**RHD**
4/16:12	ABS control module	Y	S70/V70
4/28B:26	Control module AW 50-42	Y	
4/3S:6	Control module, cruise control	Y	
3/9:2	Stop (brake) lamp switch	Y	
4/46:26	Engine control module (ECM)	Y	

23/203 (Engine compartment harness)

To/from		Color	Note
31/50	**Ground rail, power ground**	**GR-SB**	**S70/V70**
31/51	**Ground rail, signal ground**	**GR-SB**	**C70**
10/2:1	Right headlamp	GR-SB	
10/10:2	Right parking lamps and turn signal lamp front	SB	C70
7/5:1	Washer fluid level sensor	SB	
7/73:2	Engine coolant level switch	SB	
10/6:2	Right front fog lamps	BN-SB	
10/16:2	Right side turn signal flasher	SB	
6/2:2	Front washer motor	SB	
6/1:3	Windshield wiper motor	GR-SB	
6/30:2	Washer motor rear windshield	SB	S70/V70
6/3:3	Right headlamp wiper motor	BN-SB	
3/72:1	Kickdown switch (KD) throttle mechanism	SB	RHD AUTO

23/207 (Engine compartment harness)

To/from		Color	Note
10/9:1	**Front left parking lamps and turn signal lamp**	**GN**	
24/2E:15	Firewall cable harness	GN	
24/14D:8	Left door sill harness	GN	LHD
3/3:3	Turn signal lamp/high and low beam switch	GN	
10/15:1	Left side turn signal flasher	GN	
24/13D:16	Dashboard harness	GN	
24/2D:8	Firewall cable harness	GN	RHD

Junction points

23/208 (Engine compartment harness)

To/from		Color	Note
24/2E:14	**Firewall cable harness (control module lock/alarm)**	**BL-GN**	
24/14D:9	Left door sill harness	BL-GN	LHD
10/9:7	Front left parking lamps and turn signal lamp	BL-GN	S70/V70
24/13D:15	Dashboard harness	BL-GN	
10/16:1	Right side turn signal flasher	BL-GN	
3/3:7	Turn signal lamp/high and low beam switch	BL-GN	C70
10/15:1	Left side turn signal flasher	BL-GN	
24/2D:9	Firewall cable harness	BL-GN	RHD

23/221 (Engine compartment harness, in the control module box)

To/from		Color	Note
4/46B:28	**Engine control module (ECM)**	**BN-P**	
7/95:2	Altitude sensor	BN-P	
7/79:2	Accelerometer	BN-P	
24/2C:7	Firewall cable harness	BN-P	
7/8:1	Air conditioning (A/C) pressure sensor	BN-P	

23/222 (Engine compartment harness)

To/from		Color	Note
24/2C:18	**Firewall cable harness**	**W**	
4/22:3	Immobilizer	W	
4/16:13	ABS control module	W	
4/28B:22	Control module AW 50-42	W	
9/31:6	Engine coolant heater	W	Diesel

23/223 (Engine compartment harness)

To/from		Color	Note
2/32:1	**Main relay fuel injection system**	**R**	
11A/8:2	Fuse	R	
11B/1:1	Fuse	R	

23/224 (Engine compartment harness)

To/from		Color	Note
11A/3:2	**Main fuse**	**R**	
2/53:1	Relay pulsed secondary air injection system (PAIR) pump	R	
2/35:1	Relay starter motor	R	

23/226 (Engine compartment harness)

To/from		Color	Note
11A/4:2	**Main fuse**	**R**	
4/16:9	ABS control module	R	
4/16:25	ABS control module	R	

23/227 (Engine compartment harness, gasoline)

To/from		Color	Note
11B/5:2	**Fuse**	**R**	
24/43:2	Engine harness	GN-OR	
2/53:2	Relay pulsed secondary air injection system (PAIR) pump	R	LHD
2/22:1	Air conditioning (A/C) relay	R	
8/28:1	Turbocharger (TC) control valve	GR-SB	
8/44:1	EVAP canister shut-off valve	BL-R	S70/V70
24/2A:6	Firewall cable harness	BL-R	LHD
24/2C:15	Connector, firewall cable harness	BL-R	

23/228 (Engine compartment harness)

To/from		Color	Note
3/12:8	**Windshield wiper/washer switch**	**Y-W**	
6/2:1	Washer motor front	Y-W	
2/4:4	Intermittent relay windshield wiper	Y-W	
6/3:1	Right headlamp wiper motor	Y-W	
6/4:1	Left headlamp wiper motor	Y-W	

23/229 (Engine compartment harness)

To/from		Color	Note
11C/34:2	**Fuse**	**Y-VO**	
6/3:2	Right headlamp wiper motor	Y-VO	
6/4:2	Left headlamp wiper motor	Y-VO	
16/10:2	Horn 1	Y-VO	
16/11:2	Horn 2	Y-VO	

Junction points

23/230 (Engine compartment harness)

To/from		Color	Note
11A/2:2	**Main fuse**	**R**	
2/6:1	Overload relay 15I-supply	R	
2/30:1	Overload relay X-supply	R	

23/234 (Engine compartment harness)

To/from		Color	Note
4/16:11	**ABS control module**	**BN-W**	
7/31:1	ABS sensor, left front	BN	

23/235 (Engine compartment harness)

To/from		Color	Note
4/16:4	**ABS control module**	**W-SB**	
7/31:2	ABS sensor left front	SB	

23/236 (Engine compartment harness)

To/from		Color	Note
4/16:18	**ABS control module**	**BN**	
7/32:1	ABS sensor right front	BN	

23/237 (Engine compartment harness)

To/from		Color	Note
4/16:3	**ABS control module**	**SB**	
7/32:2	ABS sensor right front	SB	

23/239 (Engine compartment harness)

To/from		Color	Note
3/1	**Ignition switch**	**Y-VO**	
2/30:2	Overload relay X-supply	Y-VO	
24/2C:9	Firewall cable harness	Y-VO	
24/13B:15	Dashboard harness	Y-VO	

23/240 (Engine compartment harness)

To/from		Color	Note
11A/6:2	**Main fuse**	**R**	
11C/6:1	Fuse	R	
11C/9:1	Fuse	R	

23/241 (Engine compartment harness)

To/from		Color	Note
11A/7:2	**Main fuse**	**R-W**	
11C/12:1	Fuse	R-W	
11C/16:1	Fuse	R-W	

23/242 (Left door sill harness, C70)

To/from		Color	Note
11C/16:3	**Fuse [via 24/3E and 24/2A]**	**GR-R**	
24/70B:1	Fog lamp cable harness	GR-R	
24/3E:6	Firewall cable harness	GR-R	
6/34:1	Power antenna	GR-R	
16/15:1	CD player	GR-R	

23/249 (Engine compartment harness)

To/from		Color	Note
31/52	**Left spring strut turret ground terminal**	**SB**	
10/1:1	Left headlamp	SB	
10/9:2	Left parking lamps and turn signal lamp front	SB	
10/5:2	Left front fog lamp	SB	
10/15:2	Left side turn signal flasher	SB	
6/4:3	Left headlamp wiper motor	SB	
9/31:3	Engine coolant heater	SB	Diesel
3/72:1	kickdown switch (KD) throttle mechanism	SB	AUTO (Not C70)
7/4:2	Brake fluid level switch	SB	
3/62:2	Alarm switch hood	SB	
16/35:6	Alarm siren	SB	

Junction points

23/300A (Dashboard harness)

To/from		Color	Note
24/13B:10	**Engine compartment harness**	**P**	
5/1A:10	Combined instrument panel	P	
3/2:1	Light switch	P	
3/58:2	Fog tail lamp switch	P	
3/99:2	Front fog lamps switch	P	
3/59:2	Headlamp range adjuster	P	
4/4:4	Rheostat	P	
24/1E:10	Firewall cable harness	P	
23/300B	Junction point	P	

23/300B (Dashboard harness)

To/from		Color	Note
23/300A	**Junction point**	**P**	
3/95:2	TRACS switch	P	
3/25:2	Power sun roof switch	P	
16/1A:10	Radio	P	
3/6:2	Hazard warning signal flasher switch with flash relay	P	
10/72	Ashtray lighting	P	
3/8:2	Rear demist/heated door mirrors switch	P	

23/301A (Dashboard harness)

To/From		Color	Note
24/13A:4	**Engine compartment harness (power ground)**	**SB**	
23/301B	Junction point	SB	
5/1A:17	Combined instrument panel	SB	
7/12:2	ECC sun sensor and indicator LED alarm/immobilizer	SB	S70/V70
3/2:10	Light switch	SB	
3/99:5	Front fog lamps switch	SB	
3/58:5	Fog tail lamp switch	SB	
4/4:2	Rheostat	SB	
10/113:2	Indicator LED alarm/electronic park/neutral position (PNP) switch	SB	C70

23/301B (Dashboard harness)

To/from		Color	Note
23/301A	**Junction point**	**SB**	
3/95:5	TRACS switch	SB	
7/64:2	Passenger compartment temperature sensor	SB	
3/25:5	Power sun roof switch	SB	
3/6:3	Switch hazard warning signal flasher with blink relay	SB	
3/8:5	Rear demist/heated door mirrors switch	SB	
10/29:2	Glove compartment lighting	SB	
10/72	Ashtray lighting	SB	
16/1E:2	Radio	SB	C70

23/302 (Instrument panel harness)

To/from		Color	Note
24/13B:18	**Engine compartment harness (fuse 11C/15:3)**	**R**	
10/29:1	Glove compartment lighting	R	
10/97:1	Driver's side courtesy lighting	R	
10/102:1	Passenger side courtesy lighting	R	

23/304 (Climate control cable harness)

To/from		Color	Note
24/63:14	**Firewall cable harness (ground 31/15)**	**SB**	
4/31B:2	Blower fan power unit -	SB	ECC
4/30A:23	ECC control module	SB	ECC
3/57B:16	Climate control system	SB	Not ECC
6/28:2	Blower fan	SB	Not ECC

23/305 (Climate control cable harness)

To/from		Color	Note
24/63:1	**Firewall cable harness (fuse 11C/31:2)**	**Y-VO**	
4/31A:4	Blower fan power unit	Y-VO	ECC
6/28:1	Blower fan	Y-VO	ECC
3/57B:6	Climate control system	Y-VO	Not ECC
3/57A:4	Climate control system	Y-VO	Not ECC

Junction points

23/306 (Climate control cable harness, ECC)

To/from		Color	Note
4/30A:22	**ECC control module**	**BN**	
6/48:1	Servo motor recirculation shutter	BN	
6/95:1	Servo motor temperature shutter left-hand side	BN	
6/96:1	Servo motor temperature shutter right-hand side	BN	
6/69:1	Servo motor floor, defroster and ventilation shutters	BN	
7/11:4	ECC outside temperature sensor	BN	

23/307 (Climate control cable harness, ECC)

To/from		Color	Note
4/30A:7	**ECC control module**	**P-W**	
6/48:2	Servo motor recirculation shutter	P-W	
6/95:2	Servo motor temperature shutter left-hand side	P-W	
6/96:2	Servo motor temperature shutter right-hand side	P-W	
6/69:2	Servo motor floor, defroster and ventilation shutters	P-W	

23/311 (Instrument panel harness)

To/from		Color	Note
4/30C:10	**ECC control module**	**BN-W**	
7/64:3	Passenger compartment temperature sensor	BN-W	S70/V70
10/113:5	Indicator LED alarm	BN-W	S70/V70
7/12:5	ECC sun sensor and indicator LED alarm/electronic park/neutral position (PNP) switch	BN-W	C70
7/64:3	Passenger compartment temperature sensor	BN-W	C70

23/312 (Instrument panel harness)

To/from		Color	Note
24/13D:18	**Engine compartment harness (fuse 11C/13:3)**	**R**	
4/19:5	Remote control module central locking/anti theft alarm	R	
7/101:1	Glass breakage sensor	R	S70/V70
3/6:8	Hazard warning signal flasher switch with flash relay	R	

23/313 (Climate control cable harness, not ECC)

To/from		Color	Note
3/57A:6	**Climate control system**	**GN-GR**	
6/28:1	Blower fan	GN-R	
20/18:3	Blower fan resistor	GN-W	

23/314 (RTI cable harness, not shown)

To/from		Color	Note
24/61:1	**Firewall cable harness (30-rail, central electrical unit)**	**R**	
24/59:13	Display RTI	R	
24/59:12	Display RTI	R	
16/48:16	CD player RTI	R	
16/45B:1	Control module RTI	R	

23/315 (RTI cable harness, not shown)

To/from		Color	Note
24/61:2	**Firewall cable harness (fuse 11C/30:2)**	**Y-VO**	
24/59:11	Display RTI	Y-VO	
16/48:7	CD player RTI	Y-VO	
16/45B:2	RTI control module	Y-VO	

23/316 (RTI cable harness, not shown)

To/from		Color	Note
24/61:15	**Firewall cable harness (ground)**	**SB**	
16/45B:8	Control module RTI	SB	
24/59:9	Display RTI	SB	
24/59:8	Display RTI	SB	
16/48:15	CD player RTI	SB	

23/320 (Instrument panel harness)

To/from		Color	Note
24/1E:8	**Firewall cable harness (ground terminal A-post)**	**SB**	
16/1:14	Radio	SB	
16/1:6	Radio	SB	

23/321 (Radio cable harness, MOD2 4x50W, not displayed in illustration)

To/from		Color	Note
16/1A:14	**Connector dashboard harness**	**GN-BN**	
16/1A:6	Connector, dashboard harness	GN-BN	
16/2A:10	Amplifier	GN-BN	
16/2A:9	Amplifier	GN-BN	
16/1E:6	Radio	GN-BN	
16/1E:14	Radio	GN-BN	

Junction points

23/322 (Radio cable harness, MOD2 4x50W, not displayed in illustration)

To/from		Color	Note
16/1A:12	Connector, dashboard harness	GN-BN	
16/1A:4	Connector, dashboard harness	GN-BN	
16/2A:4	Amplifier	GN-BN	
16/2A:3	Amplifier	GN-BN	
16/1E:4	Radio	GN-BN	
16/1E:12	Radio	GN-BN	

23/401 (Left door sill harness V70)

To/from		Color	Note
24/3B:3	**Firewall cable harness (lock unit A:1)**	**Y**	
24/17:9	Left rear door	Y	
24/25:4	Tailgate	Y	

23/405 (Firewall harness)

To/from		Color	Note
31/7	**Ground terminal A-post driver's side**	**SB**	
24/50:6	Driver's door cable harness	SB	
24/60:6	Passenger door cable harness	SB	
24/1E:2	Dashboard harness	SB	
24/9A:4	Roof harness	SB	LHD
24/9A:11	Roof harness	SB	C70 LHD
2/76A:1	Control module central locking/anti theft alarm	SB	
24/61:15	RTI cable harness	SB	
24/4A:4	Right door sill harness	SB	S70/V70 RHD
10/114:2	Vanity mirror lighting left-hand side	SB	Not C70 RHD
10/115:2	Vanity mirror lighting right-hand side	SB	RHD
24/20A:4	Power sun roof cable harness	SB	S70/V70 RHD

23/406 (Firewall harness)

To/from		Color	Note
2/76A:16	**Control module central locking/anti theft alarm**	**Y-GR**	
24/60:17	Passenger door cable harness	Y-GR	
24/50:17	Driver's door cable harness	Y-GR	

23/408 (Firewall harness)

To/from		Color	Note
2/76B:2	**Control module central locking/anti theft alarm**	**Y-BN**	
24/4C:10	Right door sill harness	Y-BN	
24/60:14	Passenger door cable harness	Y-BN	
24/3B:2	Left door sill harness	Y-BN	

23/409 (Firewall harness)

To/from		Color	Note
2/76B:11	**Control module central locking/anti theft**	**Y**	**S70/V70**
2/76A:14	**Control module central locking/anti theft**	**Y**	**C70**
24/50:15	Cable harness driver's door	Y	
24/60:15	Passenger door cable harness	Y	
24/4C:11	Right door sill harness	Y	S70/V70
24/3B:3	Left door sill harness	Y	S70/V70

23/411 (Firewall harness)

To/from		Color	Note
24/2B:4	**Engine compartment harness (30-rail, central electrical unit)**	**R**	
24/9A:1	Roof cable harness	R	
24/3B:7	Left door sill harness	R	
24/50:1	Driver's door cable harness	R	
24/60:1	Passenger door cable harness	R	
24/4B:6	Right door sill harness	R	S70/V70
10/114:1	Vanity mirror lighting left-hand side	R	
10/115:1	Vanity mirror lighting right-hand side	R	
24/61:1	RTI cable harness	R	

Junction points

23/412 (Firewall harness)

To/from		Color	Note
24/2A:2	**Engine compartment harness (fuse 11C/40:2)**	**BL**	
24/60:3	Passenger door cable harness	BL	
24/4A:1	Right door sill harness	BL	S70/V70
24/50:3	Driver's door cable harness	BL	
24/9A:12	Roof harness	BL	C70

23/414 (Firewall harness)

To/from		Color	Note
24/1E:10	**Dashboard harness**	**P**	
24/63:5	Climate control cable harness	P	
10/40:1	Gear selector light	P	
24/7A:7	Tunnel cable harness	P	
24/61:4	RTI cable harness	P	

23/416 (Firewall harness)

To/from		Color	Note
31/15	**Ground terminal A-post passenger side**	**SB**	
24/7A:4	Tunnel cable harness	SB	
24/7B:10	Tunnel cable harness	SB	
3/63:6	Mode selector AW 50-42	SB	
8/36:2	Shift lock solenoid	SB	
7/122:5	Movement detector	SB	C70 RHD
24/63:14	Climate control cable harness	SB	
24/4A:4	Right door sill harness	SB	S70/V70 LHD
24/9A:11	Roof harness	SB	C70 RHD
24/60:12	Passenger door cable harness	SB	
10/114:2	Vanity mirror lighting left-hand side	SB	RHD
10/115:2	Vanity mirror lighting right-hand side	SB	LHD
10/40:2	Gear selector light	SB	
24/9A:4	Roof harness	SB	RHD

23/417 (Left door sill harness V70)

To/from		Color	Note
31/11	**Cargo compartment left-hand side ground terminal**	**SB**	
24/25:14	Tailgate cable harness	SB	
7/100:1	Car tilt sensor	SB	
7/1:9	Bulb failure warning sensor rear	SB	
10/18:1A	Left tail lamp	SB	
10/18:1B	Left tail lamp	SB	
16/15:2	CD player	SB	
6/34:4	Power antenna	SB	
24/25:10	Tailgate cable harness	SB	
24/25:7	Tailgate cable harness	SB	

23/419 (Firewall cable harness MOD1)

To/from		Color	Note
2/76A:2	**Control module central locking/anti theft alarm**	**VO-W**	
24/50:4	Driver's door cable harness	VO	
24/3B:4	Left door sill harness	VO	

23/421 (Firewall harness)

To/from		Color	Note
24/7B:7	**Tunnel harness (data link connector (DLC))**	**W**	
24/2C:18	Engine compartment harness	W	
4/9:9	Supplemental Restraint System Crash Sensor	W	
24/2E:5	Engine compartment harness	W	RHD
24/63:6	Climate control cable harness	W	
2/76B:19	Control module central locking/anti theft alarm	W	
24/4B:9	Engine compartment harness	W	
24/3C:2	Left door sill harness	W	
24/61:12	Cable harness RTI	W	

Junction points

23/422 (Left door sill harness)

To/from		Color	Note
31/11	**Ground terminal**	**SB**	**S70/V70**
31/12	**Ground terminal**	**SB**	**C70**
7/1:9	Rear bulb failure warning sensor	SB	C70
24/67:6	Tailgate cable harness	SB	C70
10/18B:3	Left tail lamp	SB	S70/V70
10/3:3	License plate lighting	SB	S70/V70
10/18K:3	Left tail lamp	SB	S70/V70
3/78:4	Lock unit tailgate	SB	S70/V70
7/100:1	Car tilt sensor	SB	S70/V70
16/15:2	CD player	SB	
6/34:4	Power antenna	SB	

23/423 (Firewall cable harness MOD1)

To/from		Color	Note
24/3C:5	**Left door sill harness**	**GR-R**	
24/4C:4	Right door sill harness	GR-R	
24/50:2	Driver's door cable harness	GR-R	

23/424 (Firewall harness)

To/from		Color	Note
2/76A:4	**Control module central locking/anti theft alarm**	**Y-W**	
24/50:11	Driver's door cable harness	Y-W	
24/60:11	Passenger door cable harness	Y-W	

23/425 (Firewall cable harness MOD1)

To/from		Color	Note
2/76A:15	**Control module central locking/anti theft alarm**	**VO**	
24/60:4	Passenger door cable harness	VO	
24/4C:12	Right door sill harness	VO	

23/426 (Firewall cable harness MOD1)

To/from		Color	Note
16/1:6	**Radio**	**P-SB**	
24/4B:5	Right door sill harness	P-SB	
24/3C:1	Left door sill harness	P-SB	

23/427 (Firewall cable harness MOD1)

To/from		Color	Note
16/1:5	**Radio**	**P-W**	
24/4B:4	Right door sill harness	P-W	
24/3C:6	Left door sill harness	P-W	

23/428 (Firewall cable harness, not S70/V70 MOD2)

To/from		Color	Note
24/2C:10	**Engine compartment harness**	**Y-R**	
24/60:18	Passenger door cable harness	Y-R	
24/50:18	Driver's door cable harness	Y-R	

23/434 (Left door sill harness, C70)

To/from		Color	Note
24/70A:4	**Fog lamp cable harness**	**W**	
24/3D:1	Firewall cable harness	W	
7/1:3	Bulb failure warning sensor rear	W	
24/67:5	Tailgate cable harness	W	

23/435 (Left door sill harness, C70)

To/from		Color	Note
24/70A:5	**Fog lamp cable harness**	**GR**	
24/3D:2	Firewall cable harness	GR	
7/1:7	Rear bulb failure warning sensor	GR	
7/1:4	Rear bulb failure warning sensor	GR	

23/440 (Firewall harness)

To/from		Color	Note
24/2E:11	**Engine compartment harness (fuse 11C/2:2)**	**BL-R**	
3/63:4	Mode selector AW 50-42	BL-R	
2/76B:8	Control module central locking/anti theft alarm	BL-R	
24/61:11	RTI cable harness	BL-R	

Junction points

23/502 (Tunnel harness)

To/from		Color	Note
24/7A:4	**Tunnel cable harness (ground terminal A-post)**	**SB**	
3/65:5	Switch heated rear seat	SB	S70/V70
2/43:6	Heated rear seat relay	SB	S70/V70
9/1:2	Cigarette lighter/12V outlet front	SB	
3/91:5	Left heated seat switch	SB	
3/92:5	Right heated seat switch	SB	
9/25:2	Cigarette/12V outlet rear	SB	

23/503 (Tunnel harness, S70/V70)

To/from		Color	Note
24/7:2	**Tunnel cable (fuse 11C/28:2)**	**BL-Y**	
2/43:1	Heated rear seat relay	BL-Y	
3/65:2	Heated rear seat switch	BL-Y	
3/91:3	Heated left seat switch	BL-Y	
3/92:3	Rear right heated seat switch	BL-Y	

23/601 (tailgate cable harness, V70)

To/from		Color	Note
24/25:10	**Left door sill harness (ground terminal)**	**SB**	
3/78:2	Tailgate lock unit	SB	
3/78:8	Tailgate lock unit	SB	
10/19:5	High-mounted stop (brake) lamps	SB	
10/3:2	License plate lighting	SB	

23/603 (Driver door harness)

To/from		Color	Note
24/50:6	**Firewall cable harness (ground 31/7)**	**SB**	
3/100B:3	Driver's door lock unit	SB	LHD
3/100B:2	Driver's door lock unit	SB	RHD
3/109:3	Trunk lid/fuel tank filler cover switch	SB	
3/97C:5	Power window switch	SB	

23/604 (Driver door harness)

To/from		Color	Note
24/50:10	**Firewall cable harness (control module lock/alarm)**	**W-SB**	
3/100B:1	Driver's door lock unit	W-SB	RHD
3/100B:4	Driver's door lock unit	W-SB	LHD
10/30:2	Door open warning lamp left front	W-SB	

23/605 (Passenger door cable harness)

To/from		Color	Note
24/60:10	**Firewall cable harness (control module lock/alarm)**	**Y-BN**	
3/110B:4	Passenger door lock unit	Y-BN	LHD
3/110B:1	Passenger door lock unit	Y-BN	RHD
10/31	Door open warning lamp right front	Y-BN	

23/606 (Passenger door cable harness)

To/from		Color	Note
24/60:6	**Firewall cable harness (ground 31/7)**	**SB**	
3/110B:3	Passenger door lock unit	SB	RHD
3/110B:2	Passenger door lock unit	SB	LHD
3/20C:4	Power window switch front passenger door	SB	

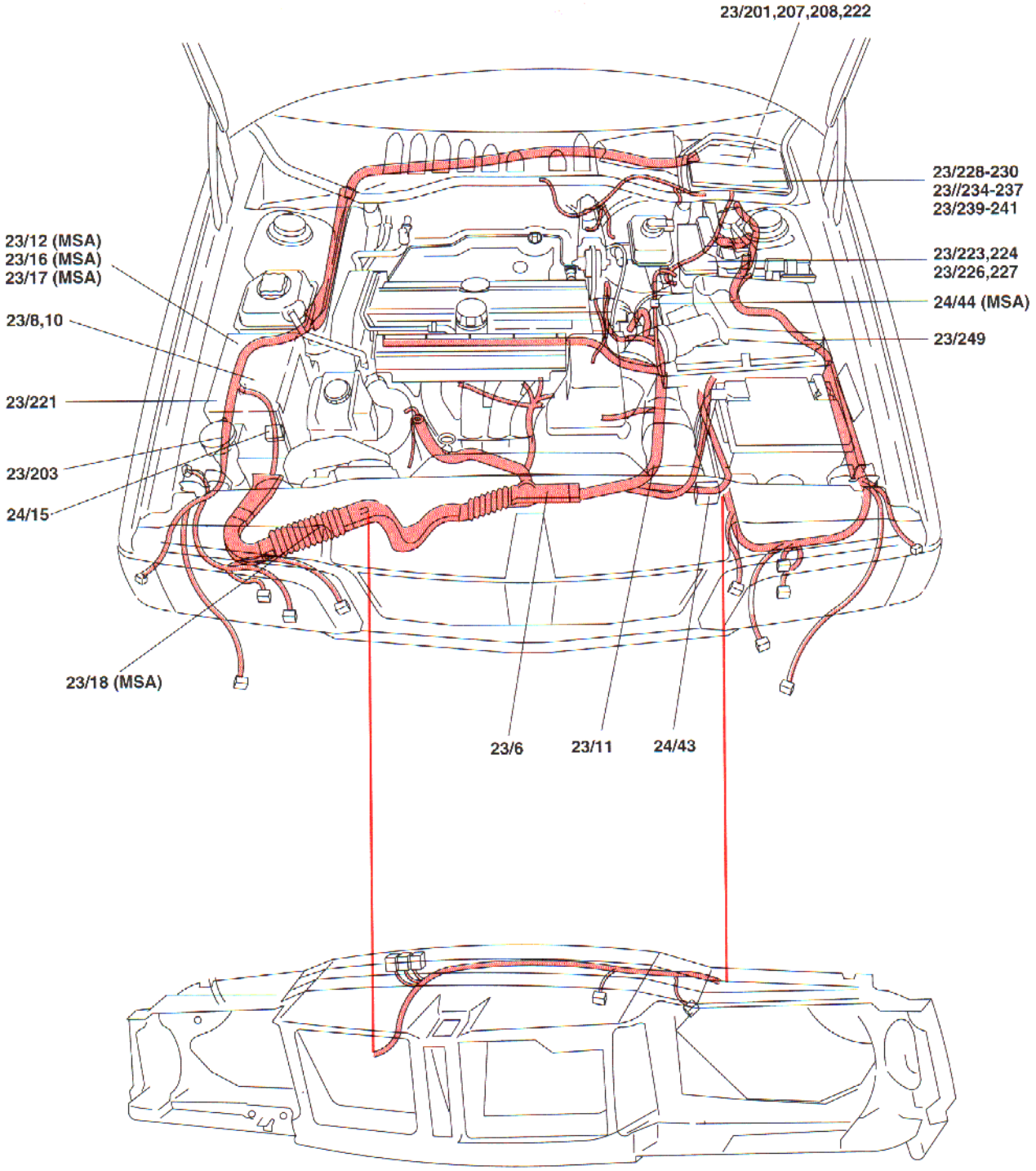
23/609 (Driver door harness)

To/from		Color	Note
24/50:12	**Firewall cable harness (ground 31/50)**	**SB**	
3/97A:1	Power window switch	SB	LHD
3/97A:2	Power window switch driver's door	SB	RHD
3/41:5	Power door mirrors switch	SB	
6/13:3	Power door mirror driver's side	SB	

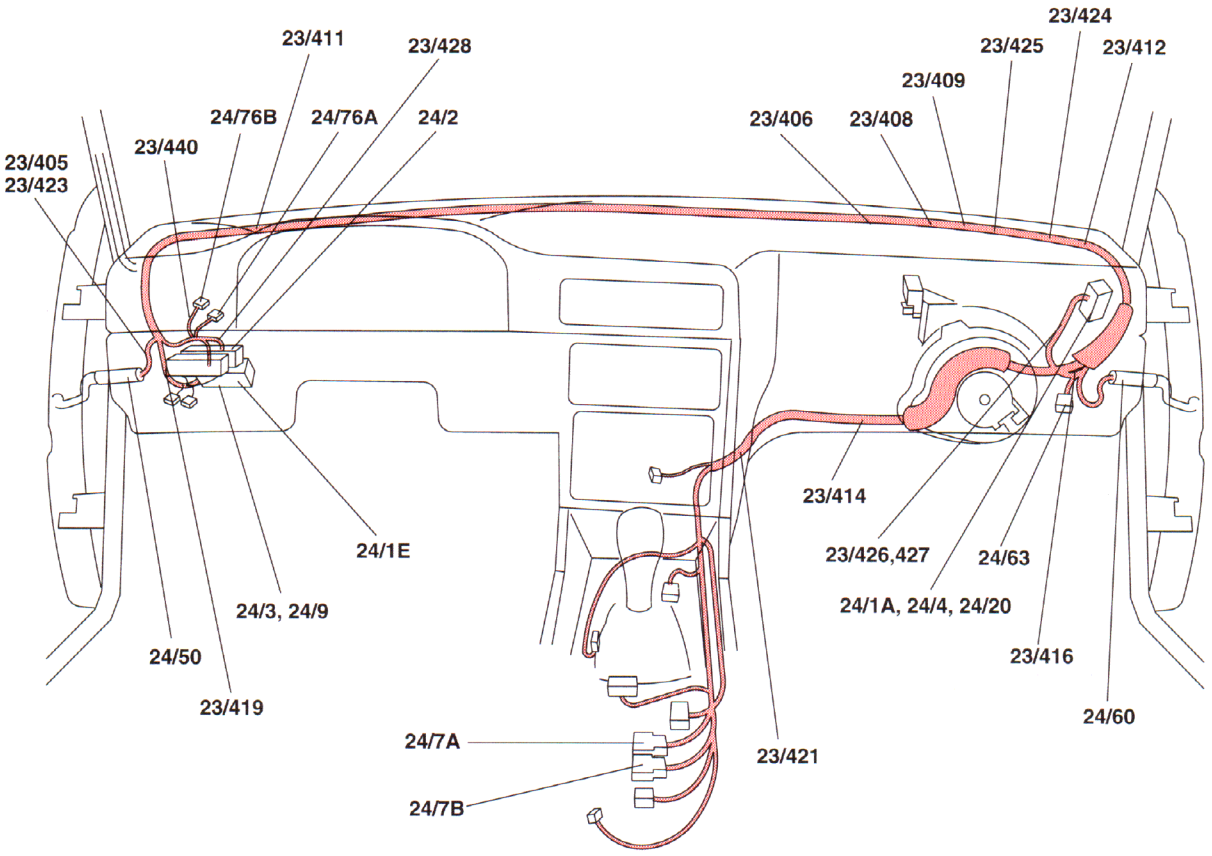
23/702 (Roof cable harness)

To/from		Color	Note
24/9A:4	**Firewall cable harness (Ground terminal)**	**SB**	
7/96:7	Movement detector left	SB	S70/V70
7/97:7	Movement detector right	SB	S70/V70
10/22:6	Passenger compartment roof lamp	SB	
10/26:2	Left rear reading lamp	SB	S70/V70
10/26:3	Left rear reading lamp	SB	C70
10/27:2	Right rear reading lamp	SB	S70/V70
10/27:3	Right rear reading lamp	SB	C70
8/48:3	Rear view mirror	SB	C70

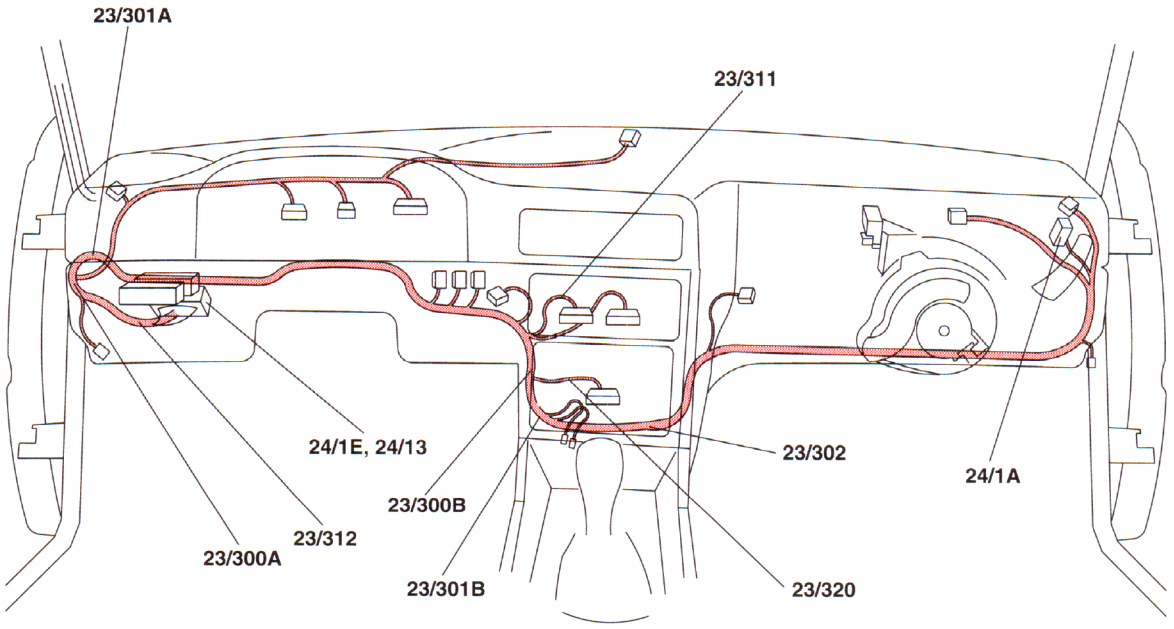
Engine compartment harness
Engine harness



Firewall harness

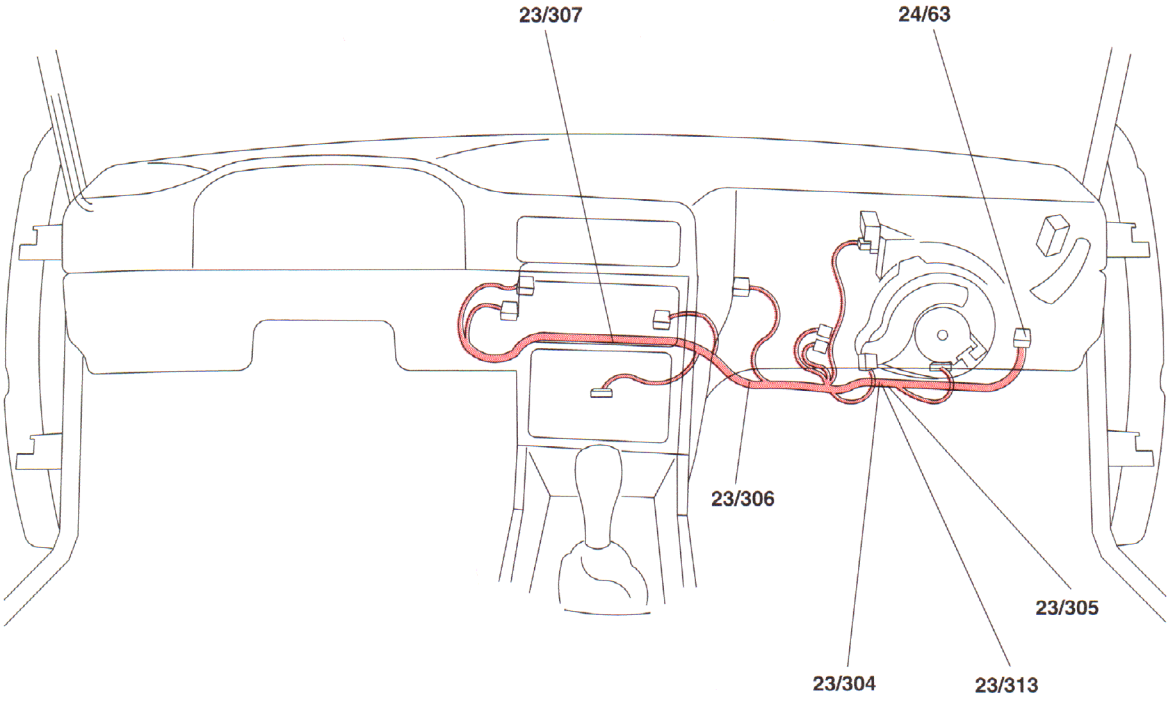


Instrument panel harness

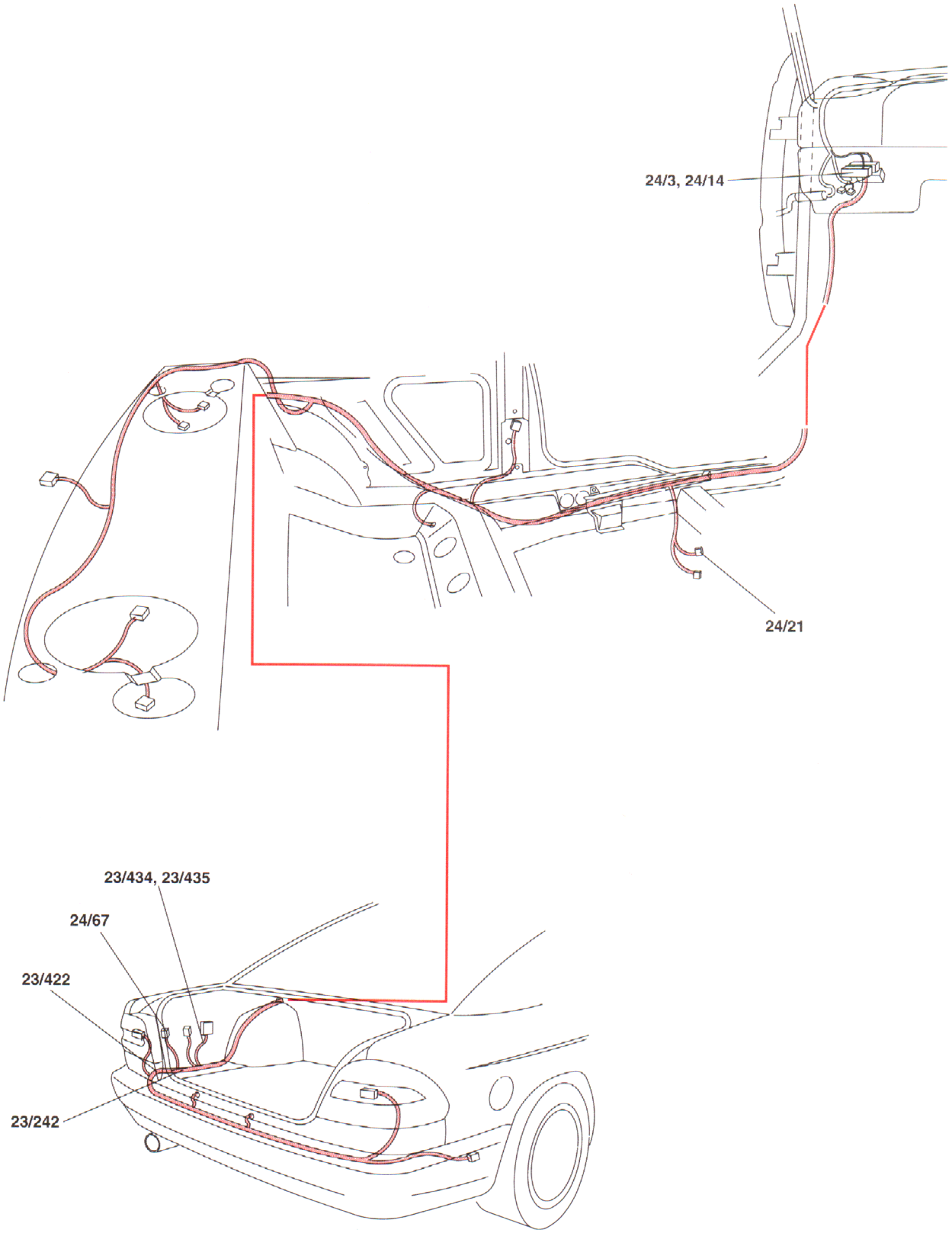


Routing of cable harnesses in the car

ECC harness

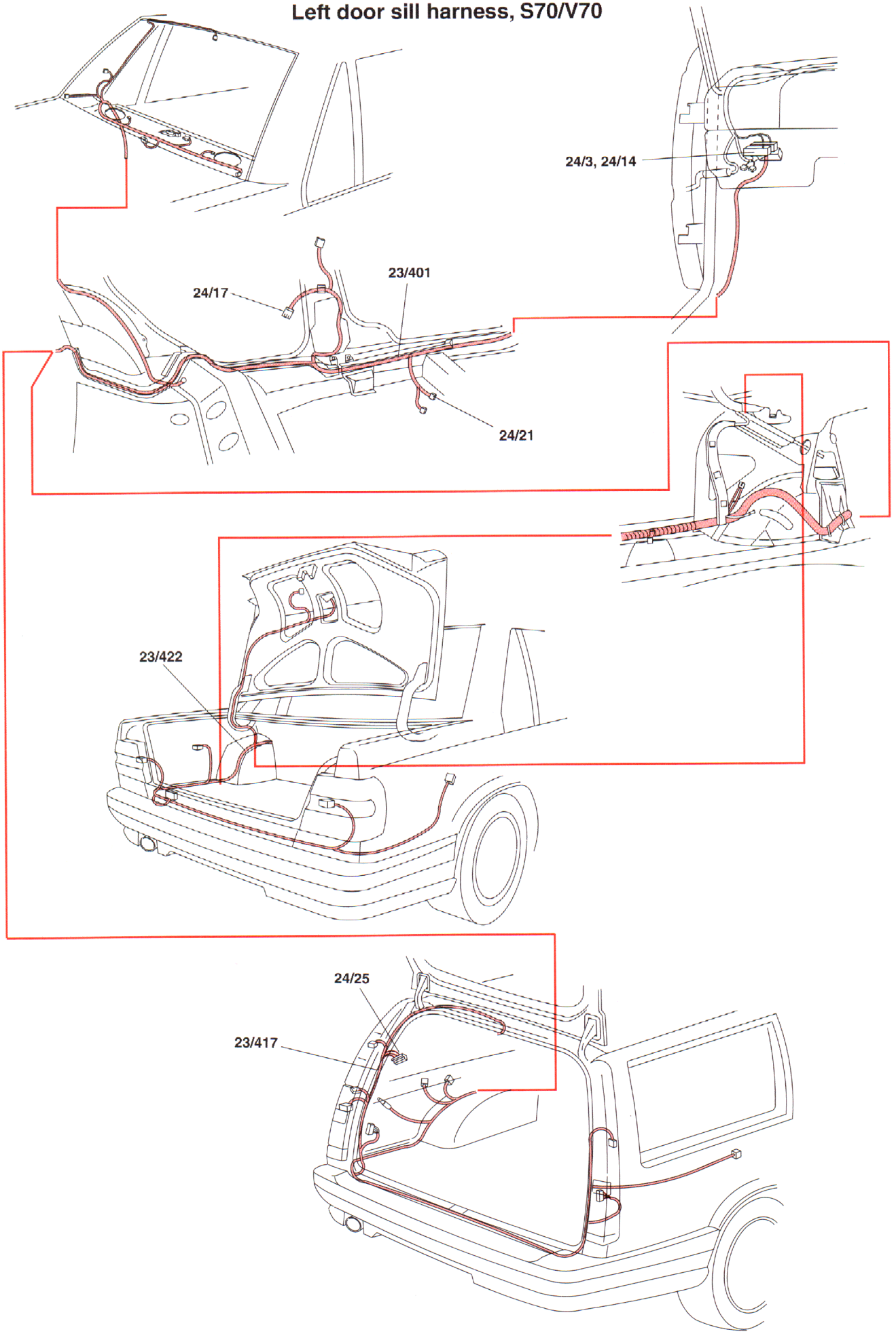


Left door sill harness, C70

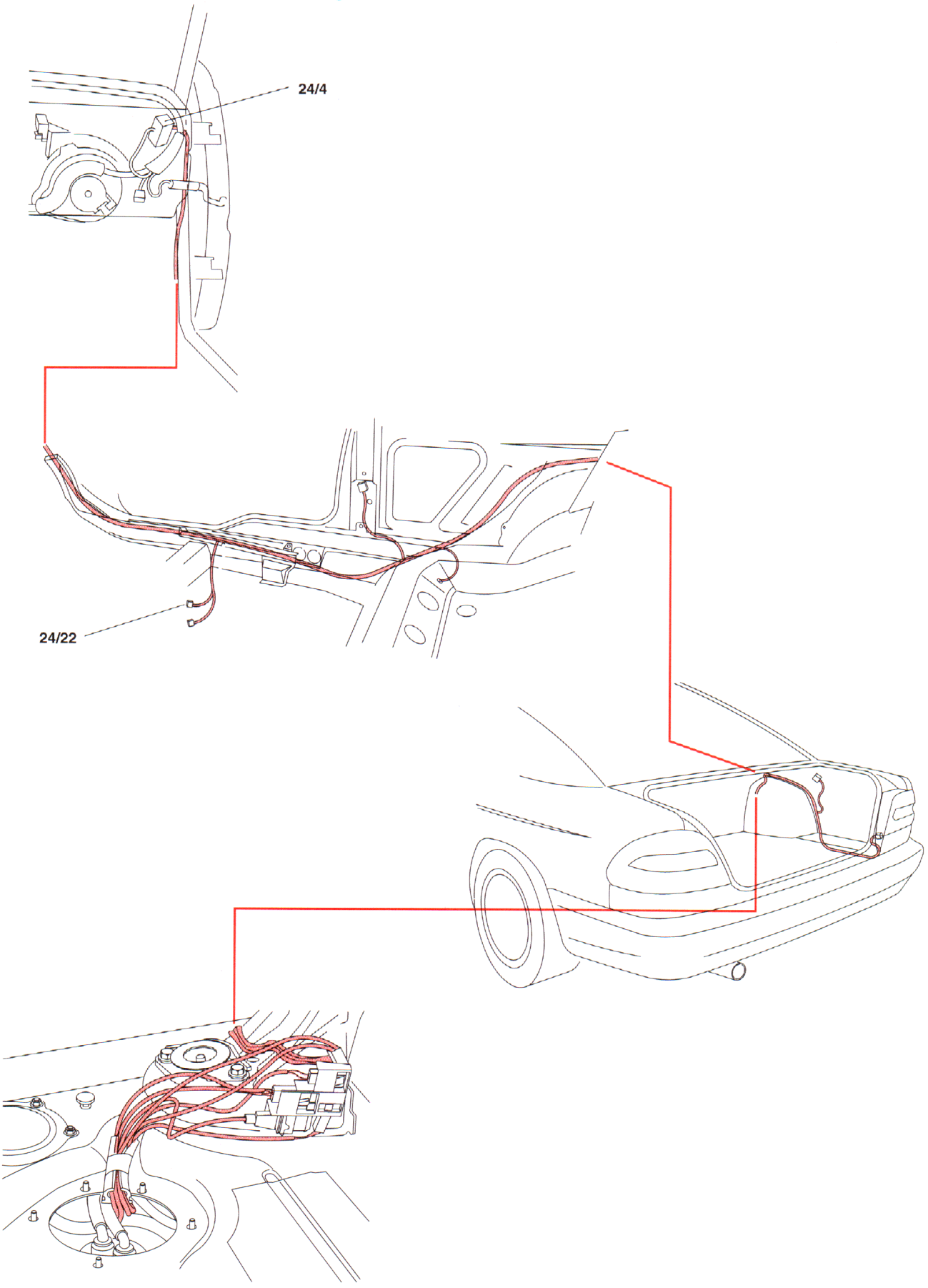


Routing of cable harnesses in the car

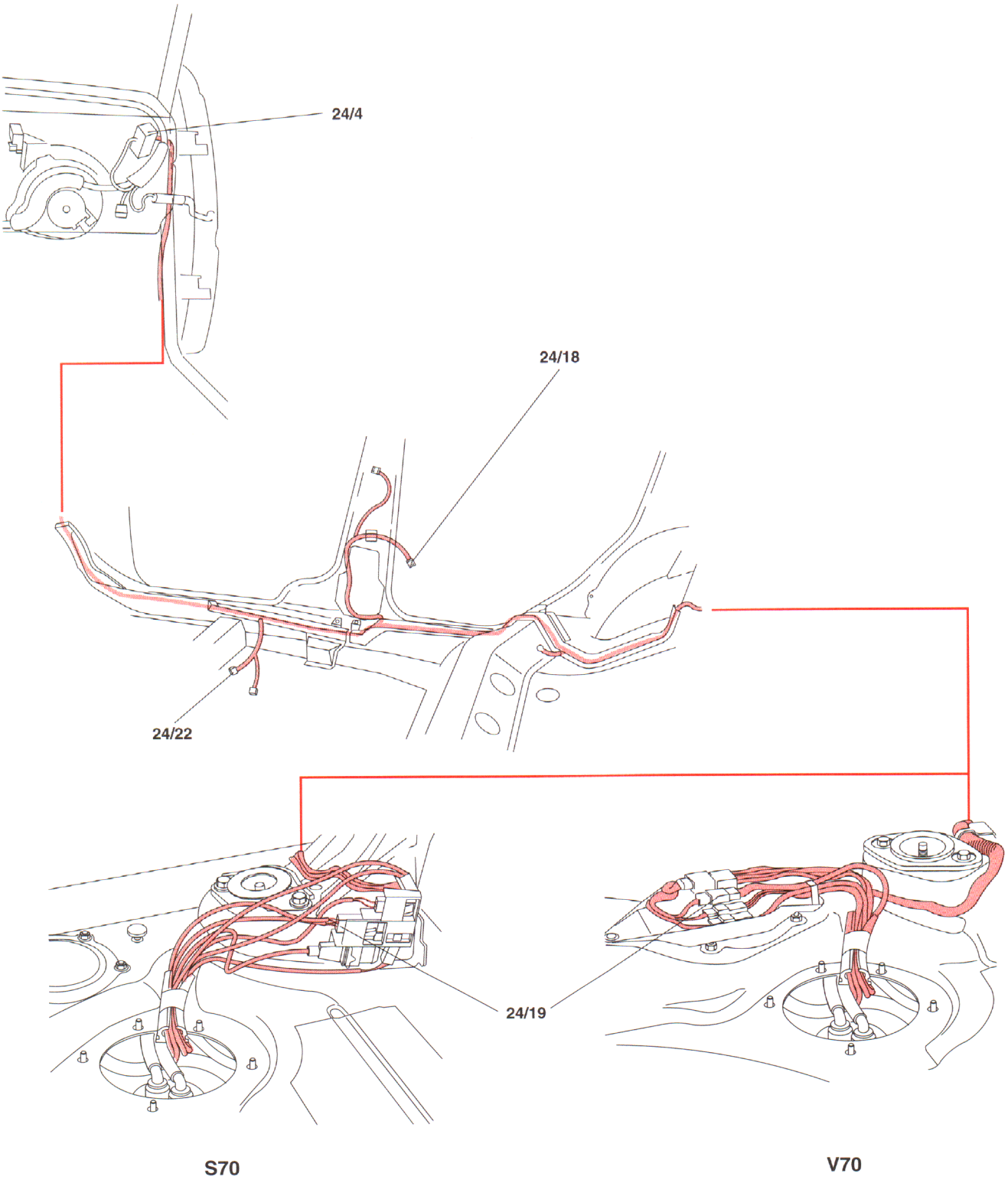
Left door sill harness, S70/V70



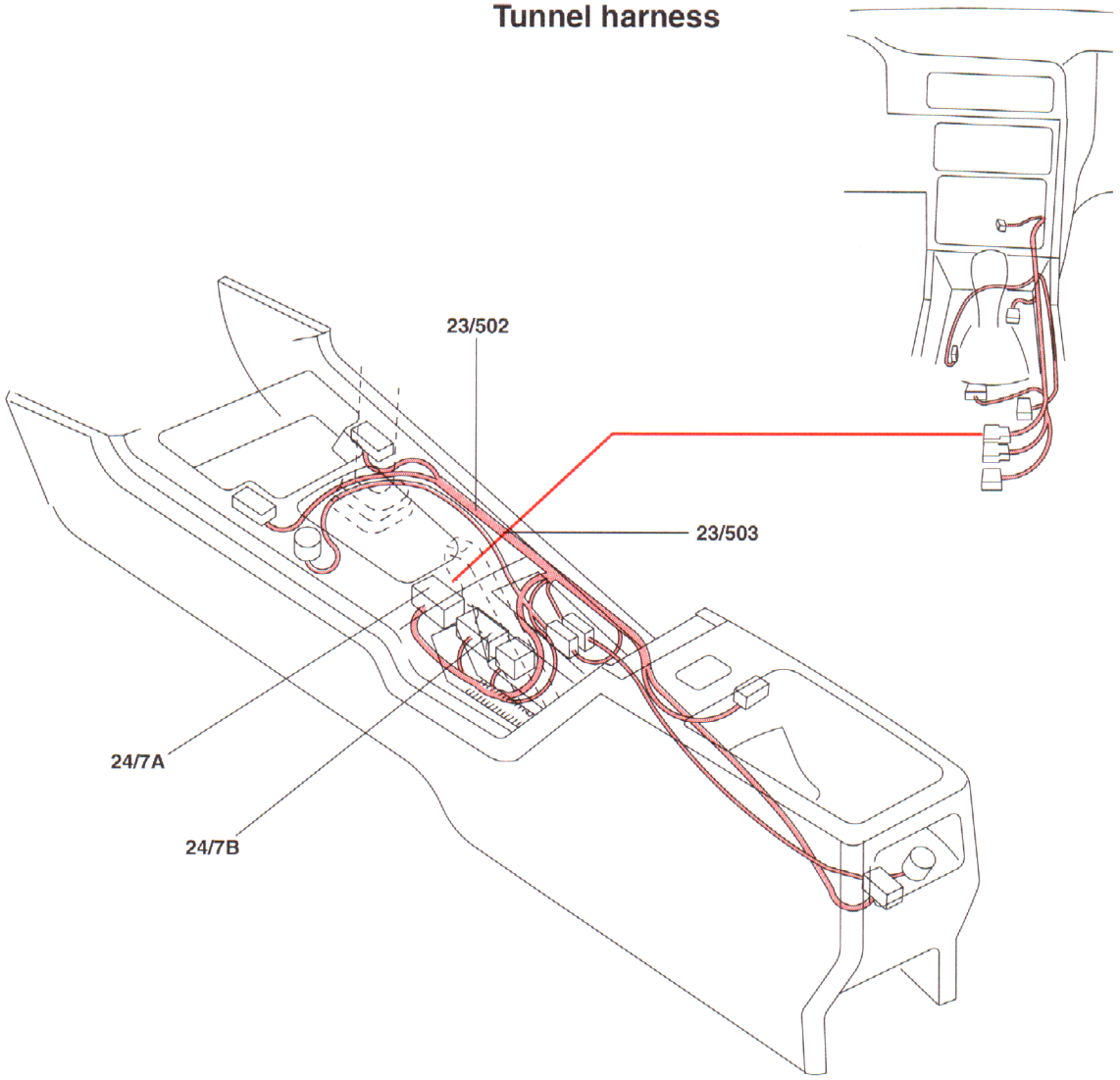
Right door sill harness, C70



Right door sill harness, S70/V70

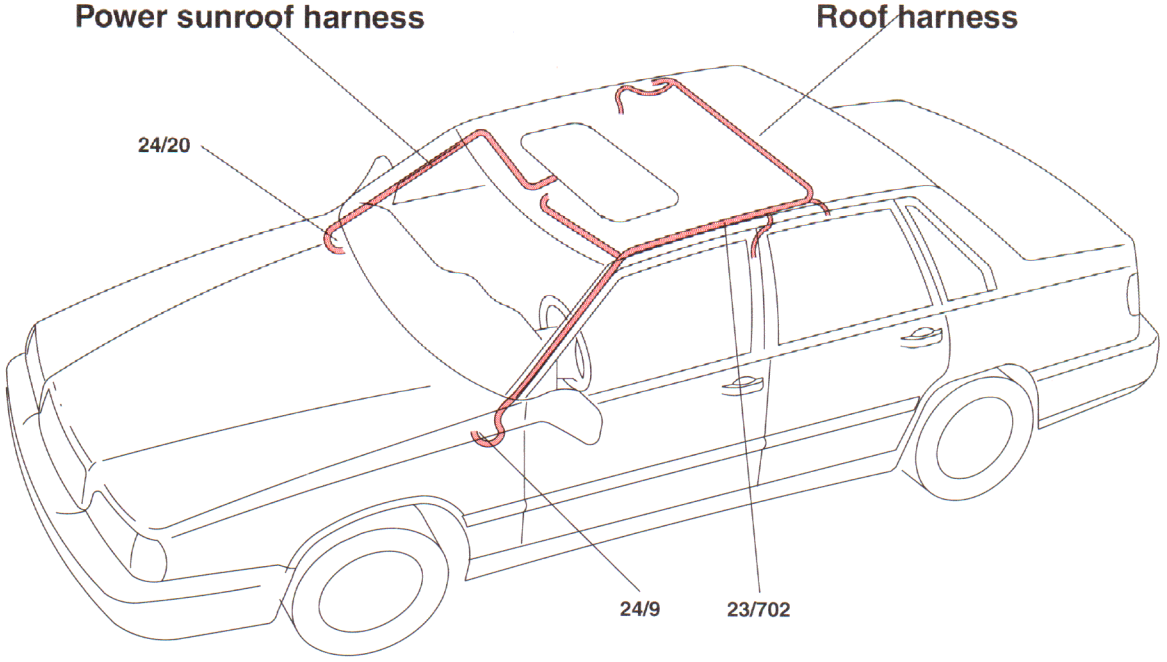


Tunnel harness

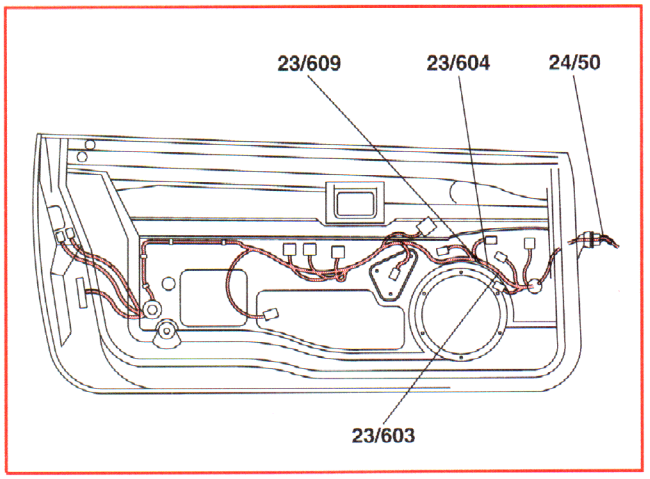


Power sunroof harness

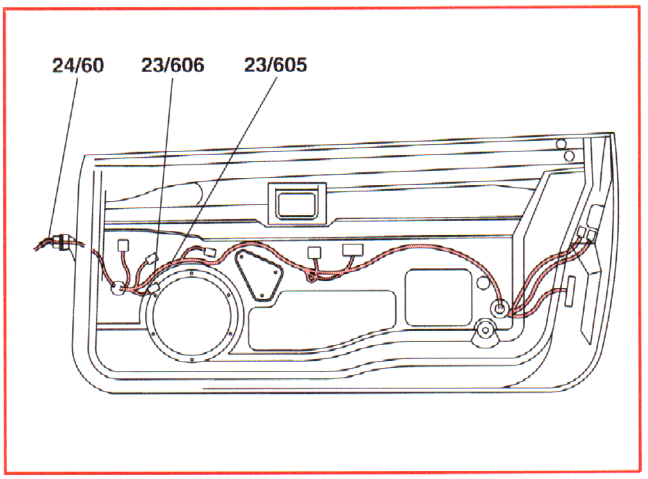
Roof harness



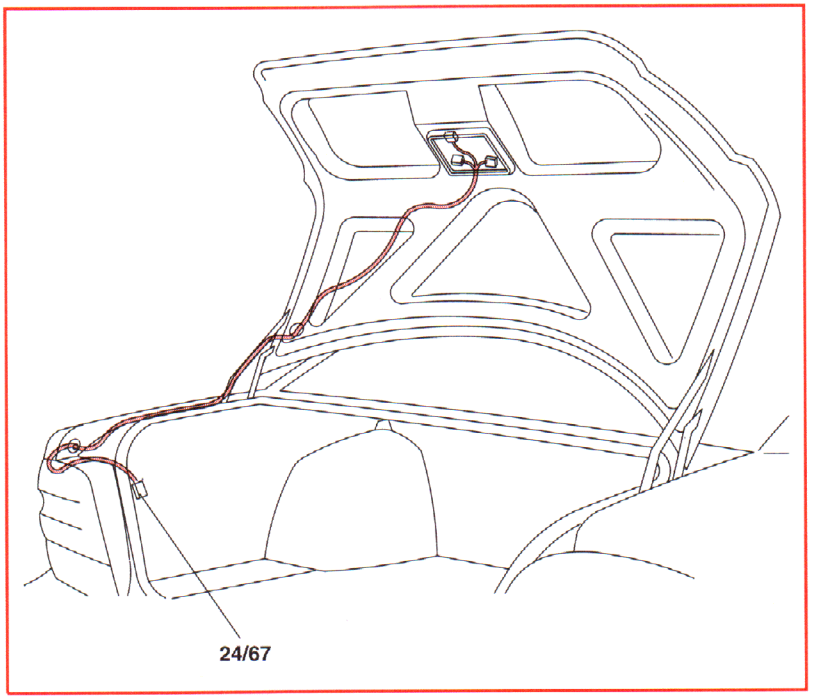
Routing of cable harnesses in the car



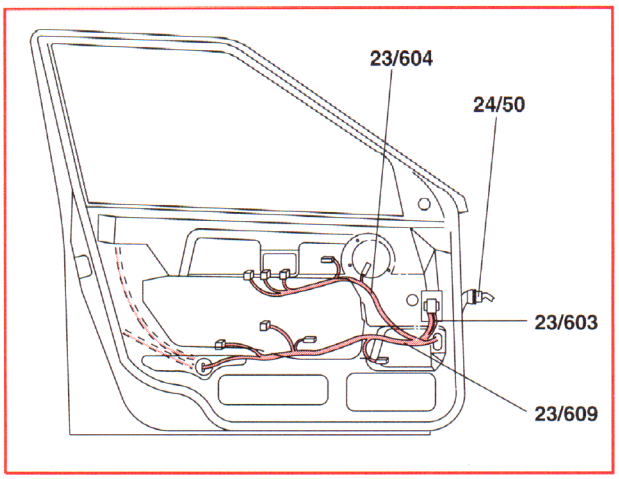
Driver door harness



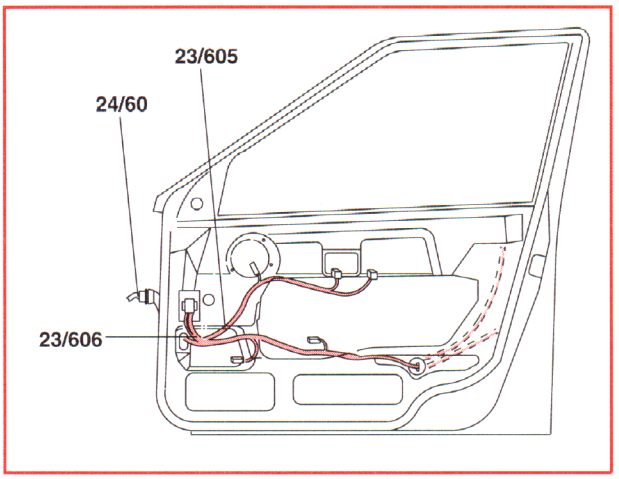
Passenger door harness



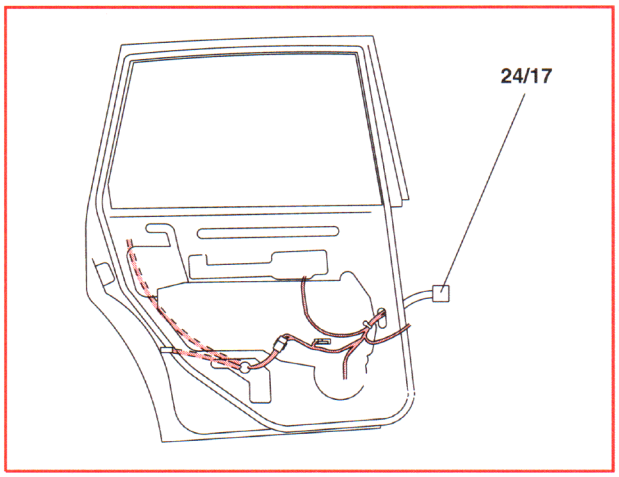
Tailgate harness



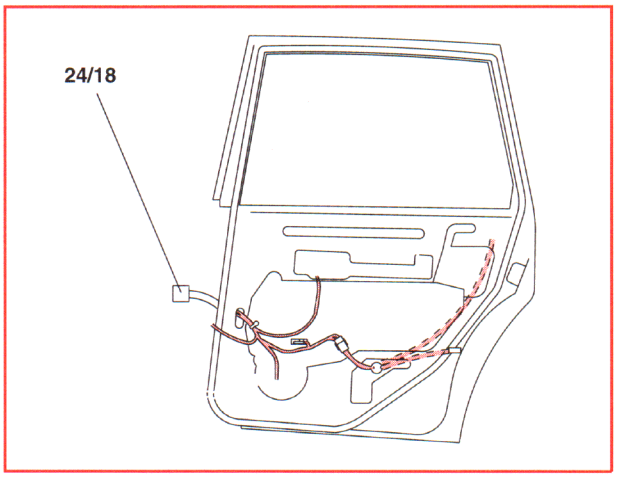
Driver door harness



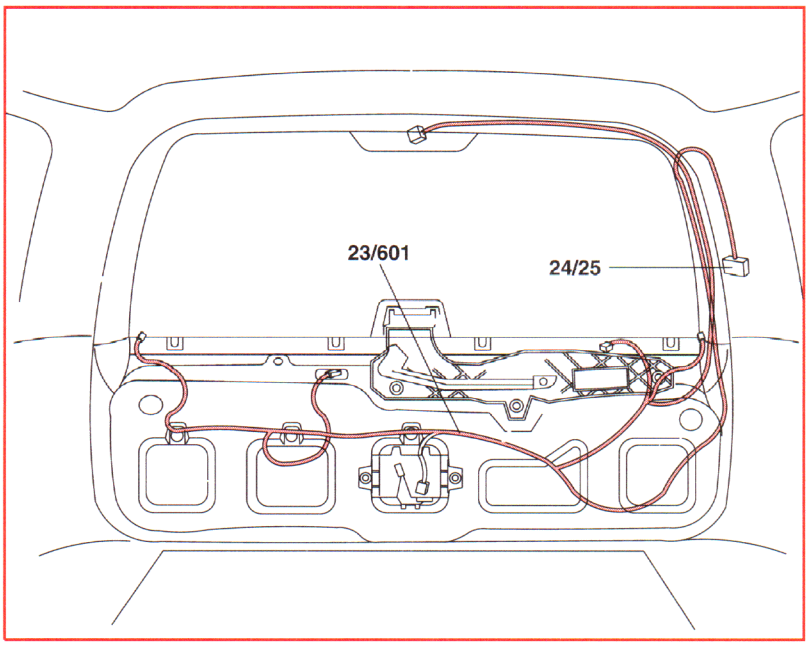
Passenger door harness



Left rear door harness

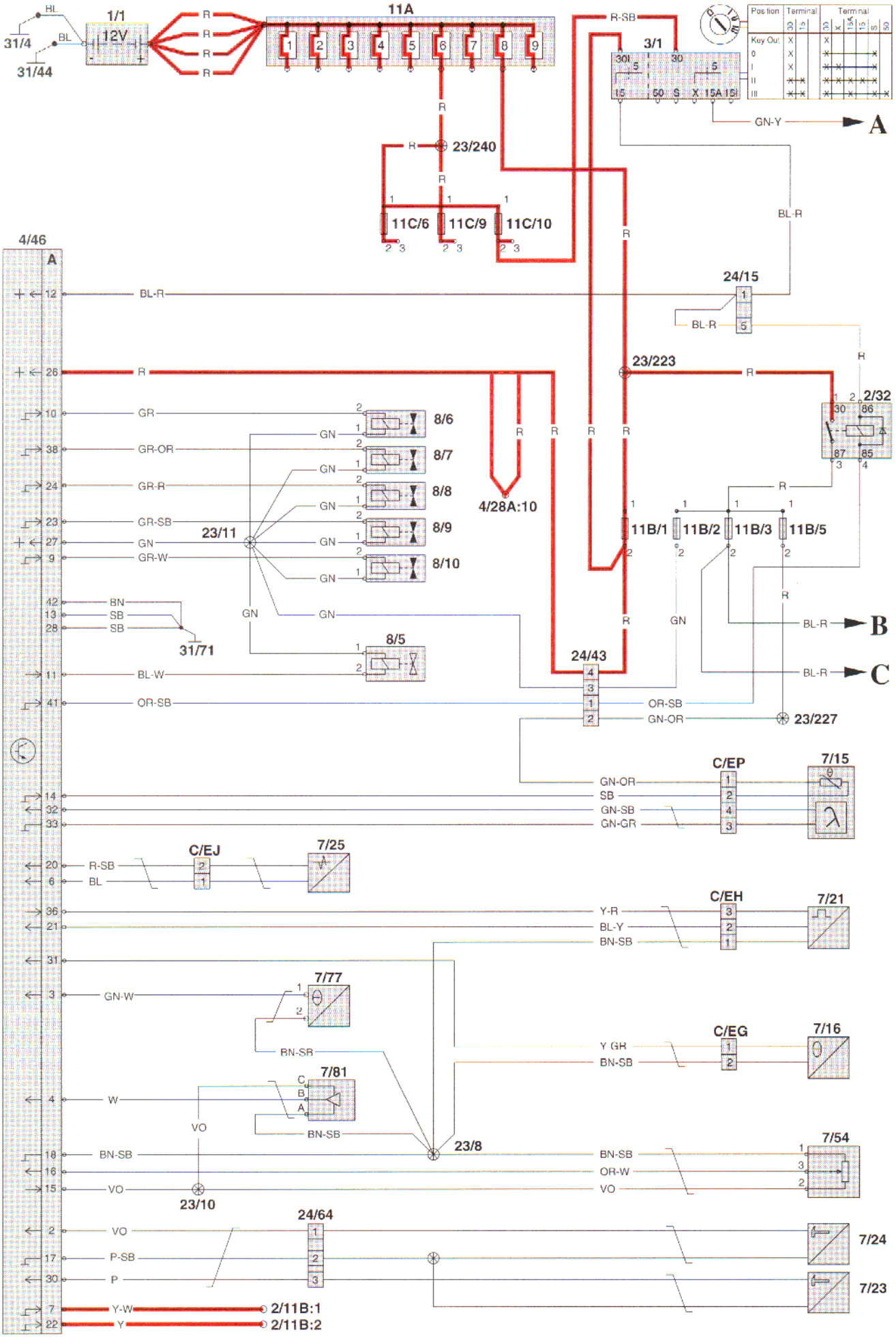


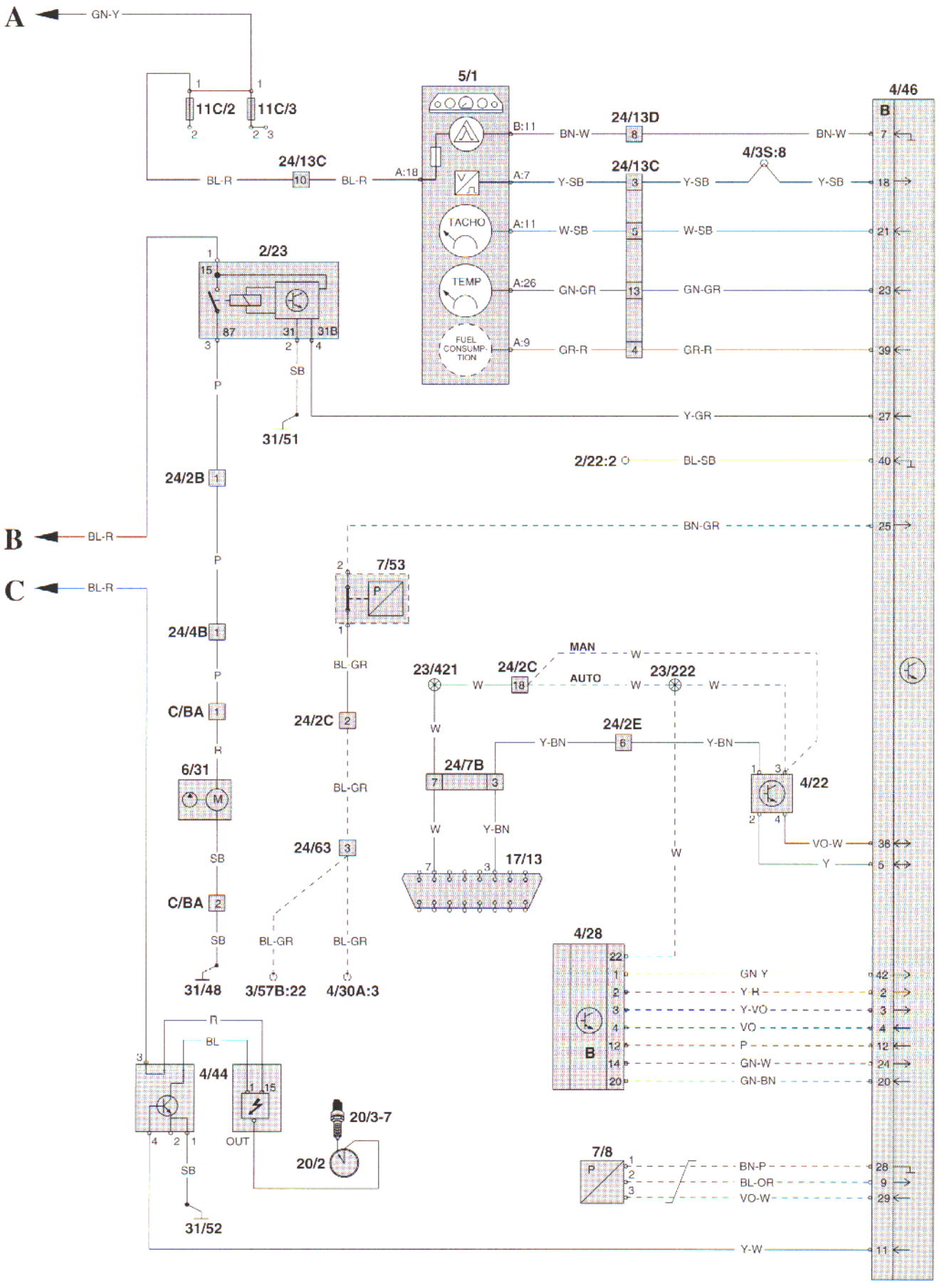
Right rear door harness



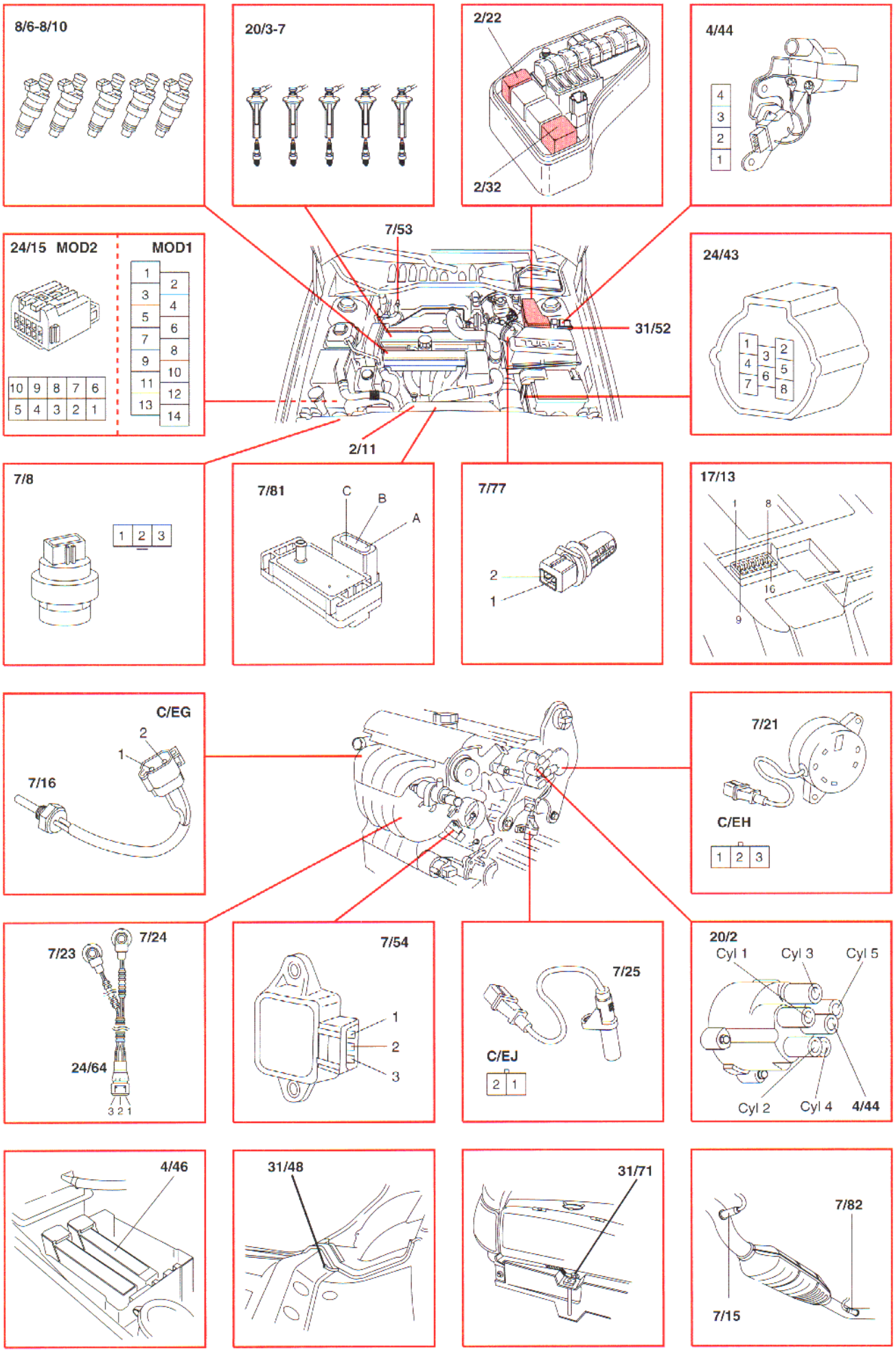
Tailgate harness

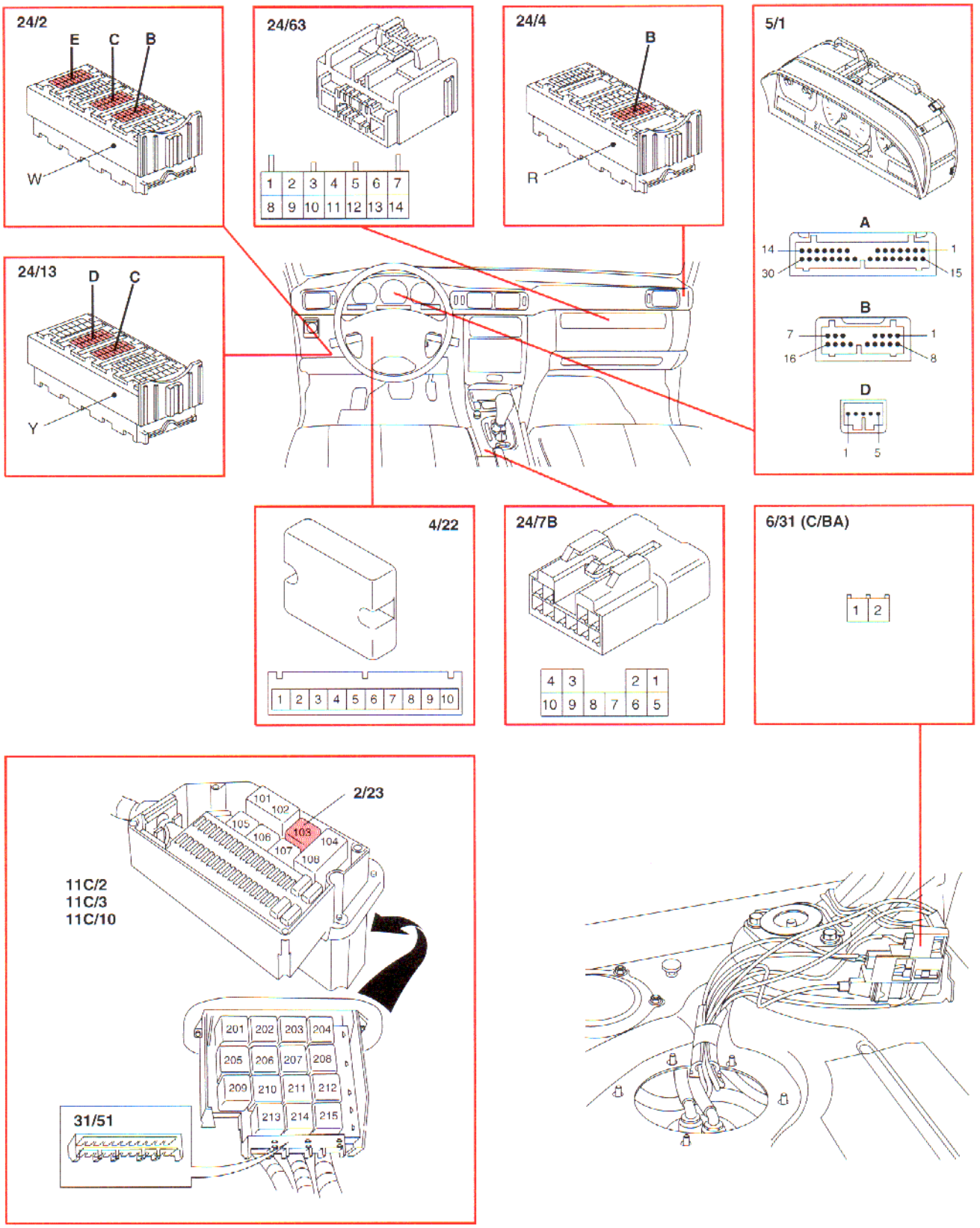
Fuel and ignition system
Fenix 5.2



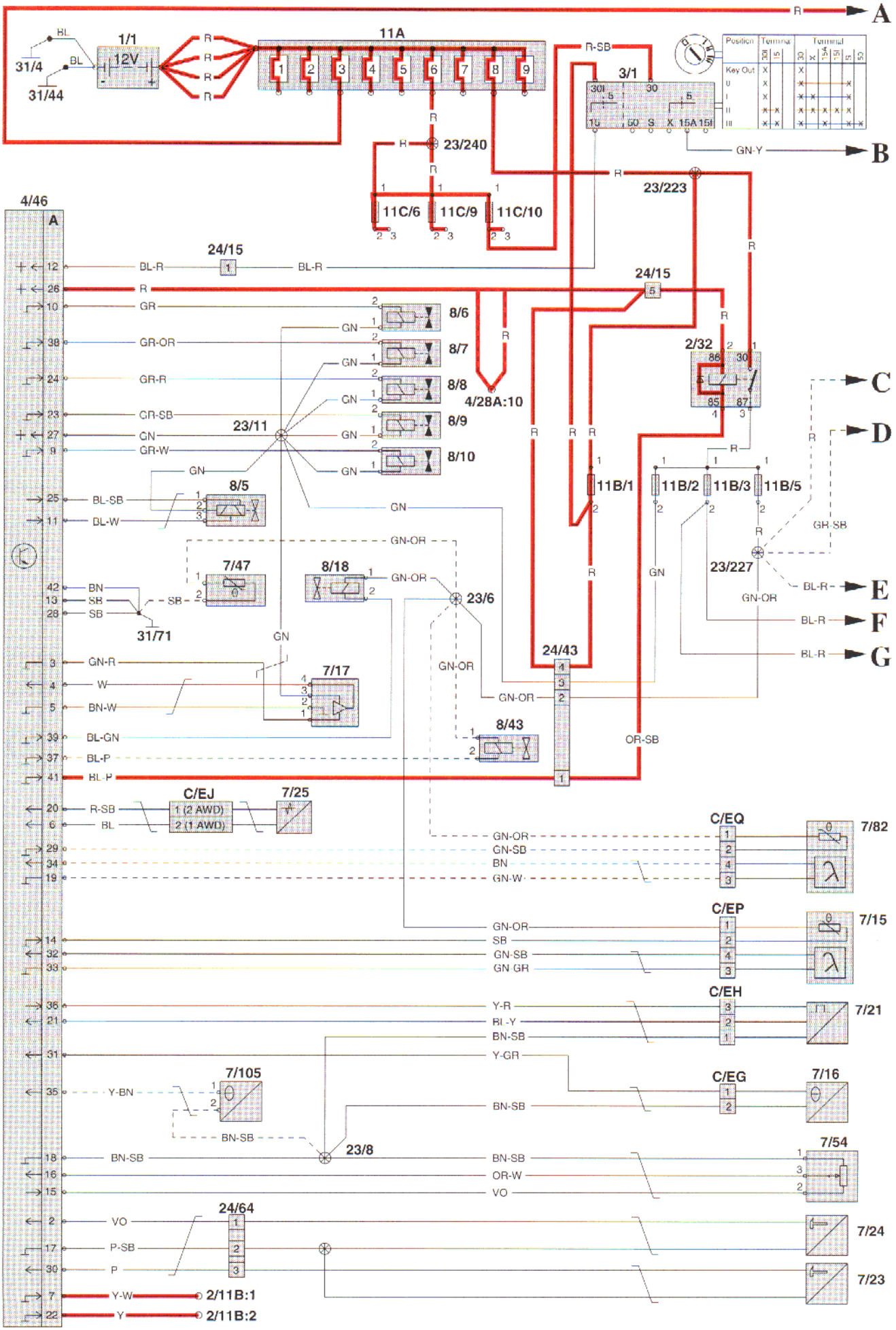

A
GN-Y
11C/2
11C/3
5/1
4/46
24/13D
24/13C
4/3S:8
BL-R
A:18
B:11
BN-W
A:7
Y-SB
A:11
W-SB
A:26
GN-GR
A:9
GR-R
TACHO
TEMP
FUEL CONSUMP-TION
2/23
87
31
31B
SB
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Y-GR
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BN-GR
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C
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AUTO
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BL-OR
VO-W
31/52
Y-W

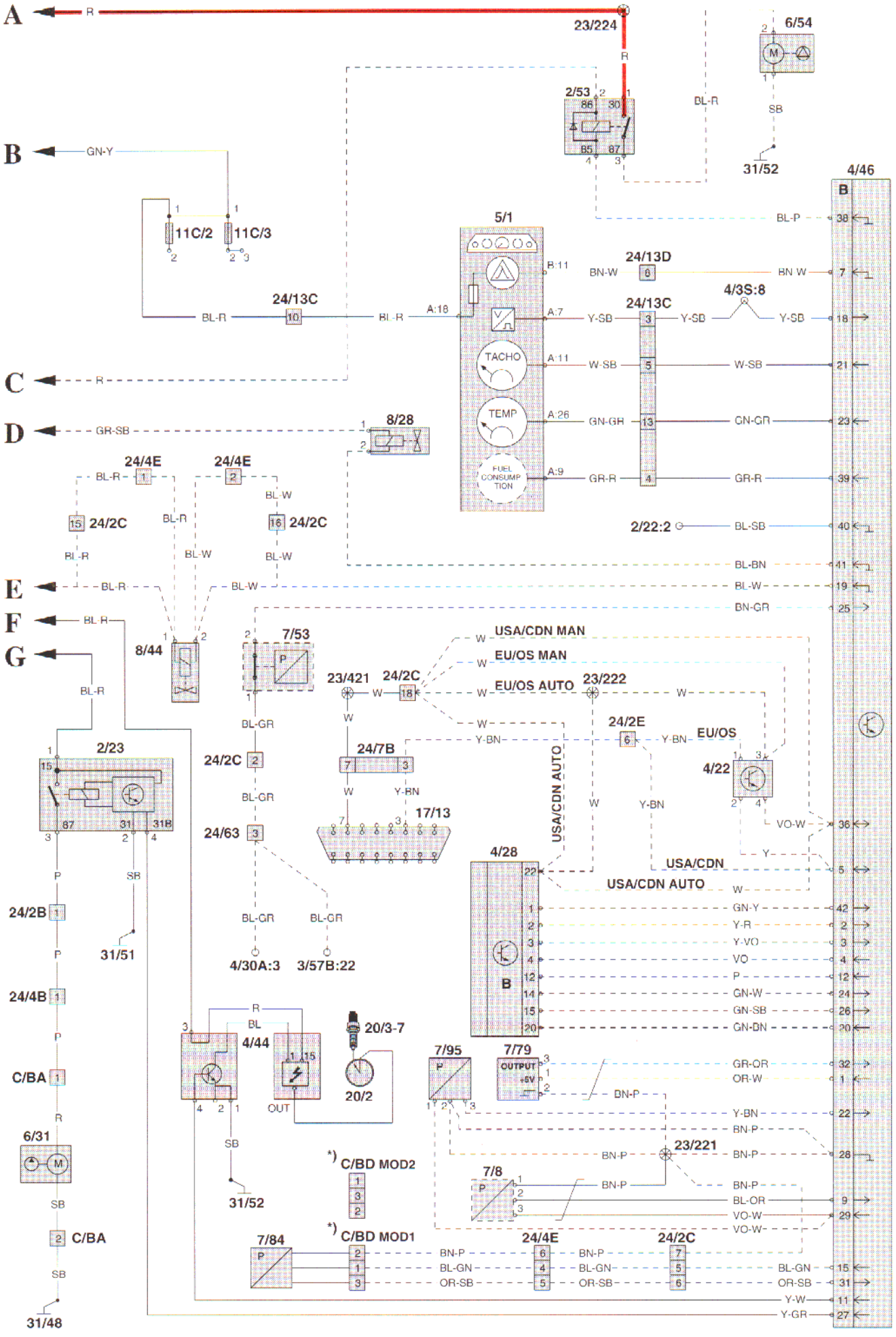
Fuel and ignition system
Fenix 5.2



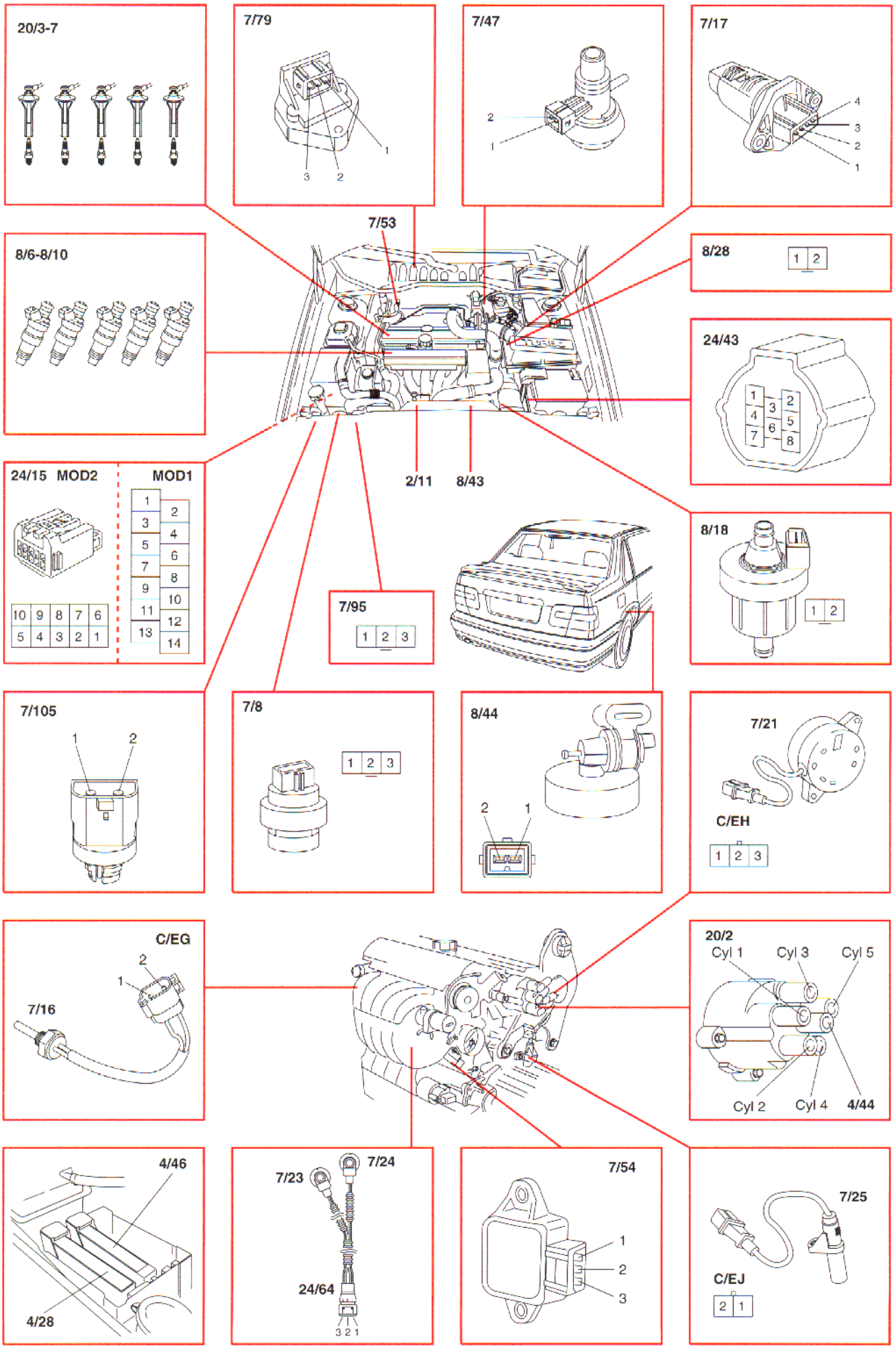

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11C/10
2/23
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31/51

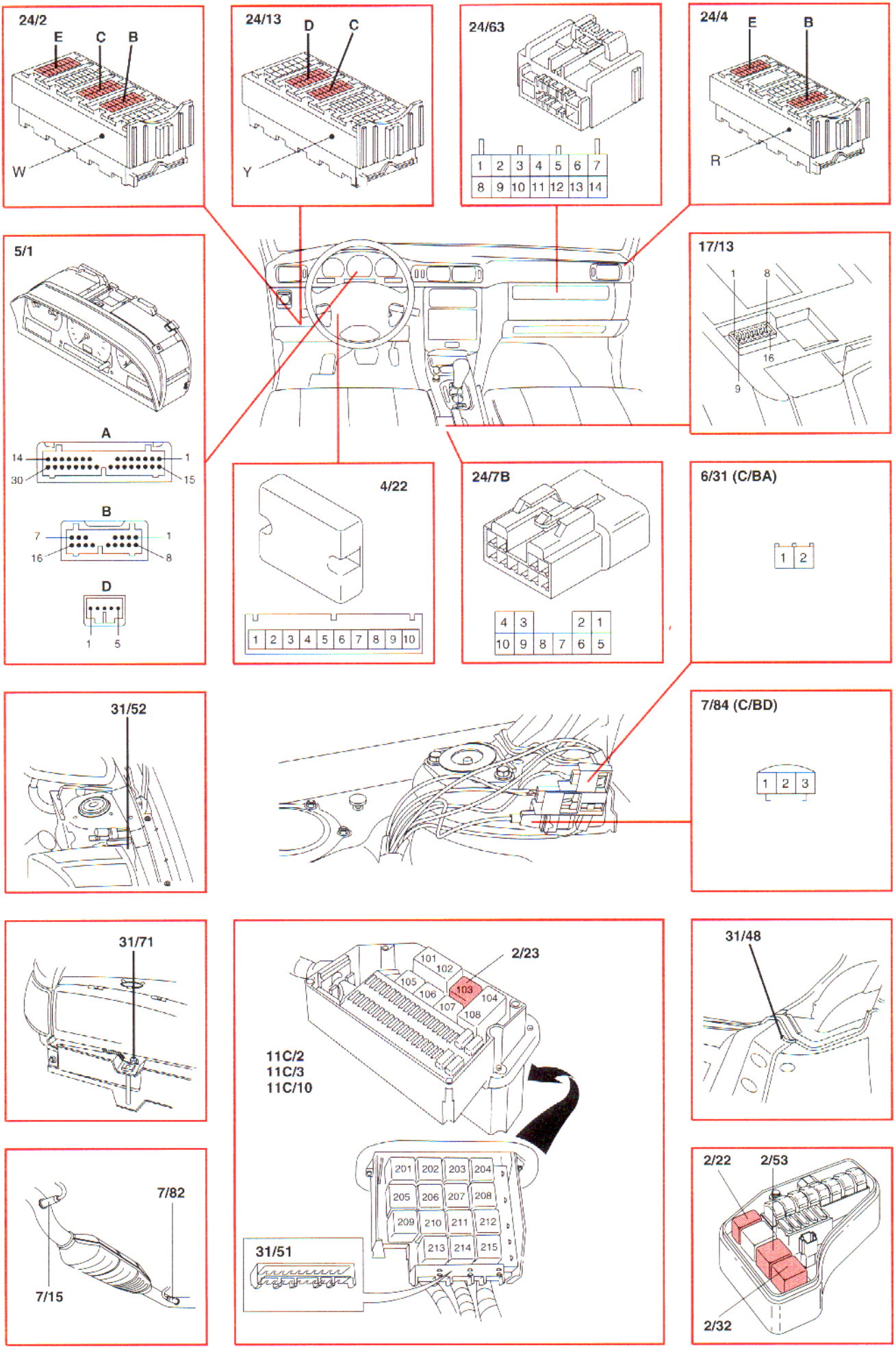
Fuel and ignition system
Motronic 4.3/4.4



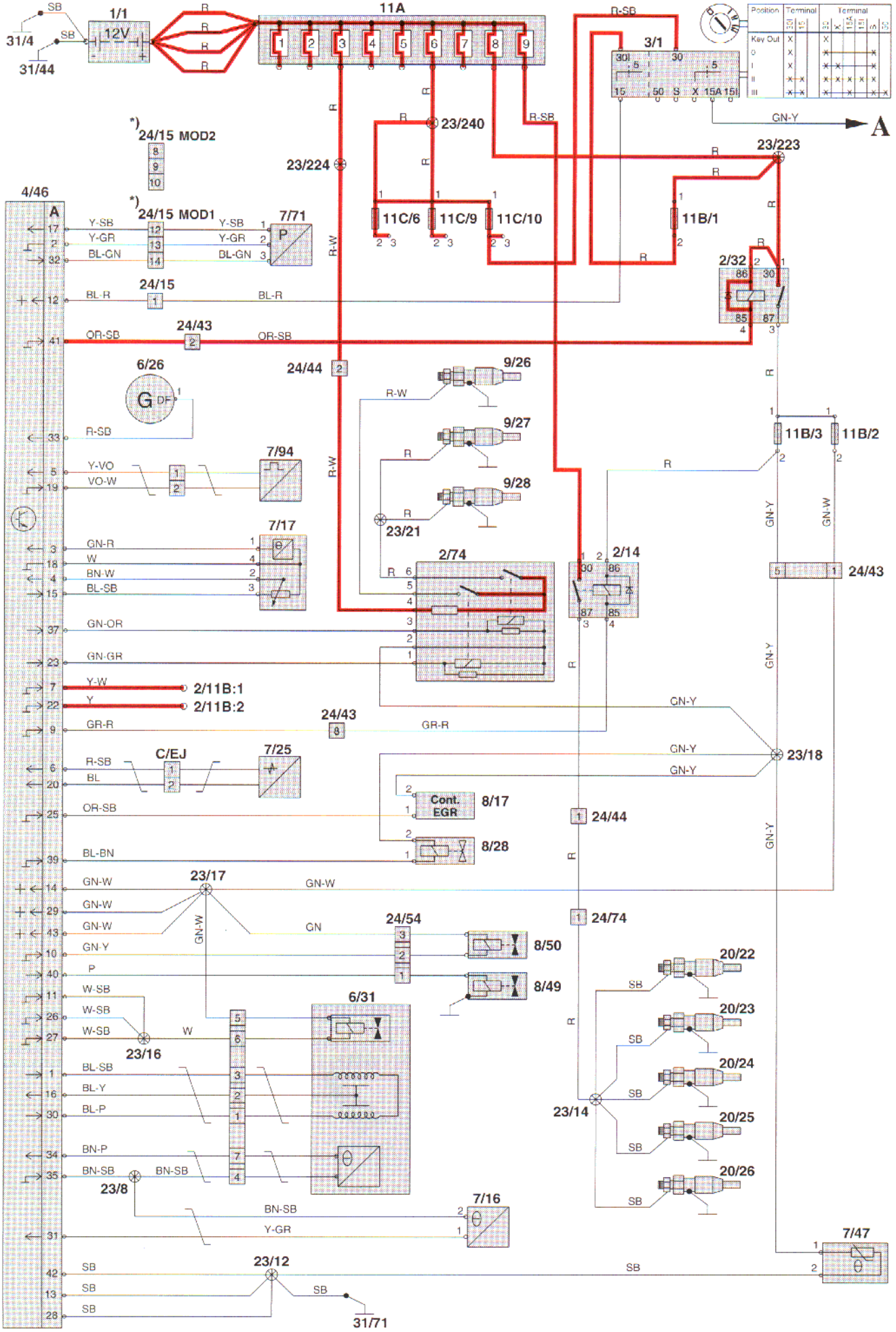

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GR-SB
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11C/2
11C/3
24/13C
24/13D
5/1
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8/28
24/4E
24/2C
2/22:2
4/46
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GR-R
BL-SB
BL-BN
BN-GR
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7/53
23/421
23/222
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EU/OS MAN
EU/OS AUTO
24/2E
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24/7B
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USA/CDN
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24/4B
C/BA
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*) C/BD MOD1
7/84
24/4E
24/2C
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Y-R
Y-VO
VO
P
GN-W
GN-SB
GN-BN
GR-OR
OR-W
Y-BN
BN-P
BL-OR
VO-W
BL-GN
OR-SB
Y-W
Y-GR

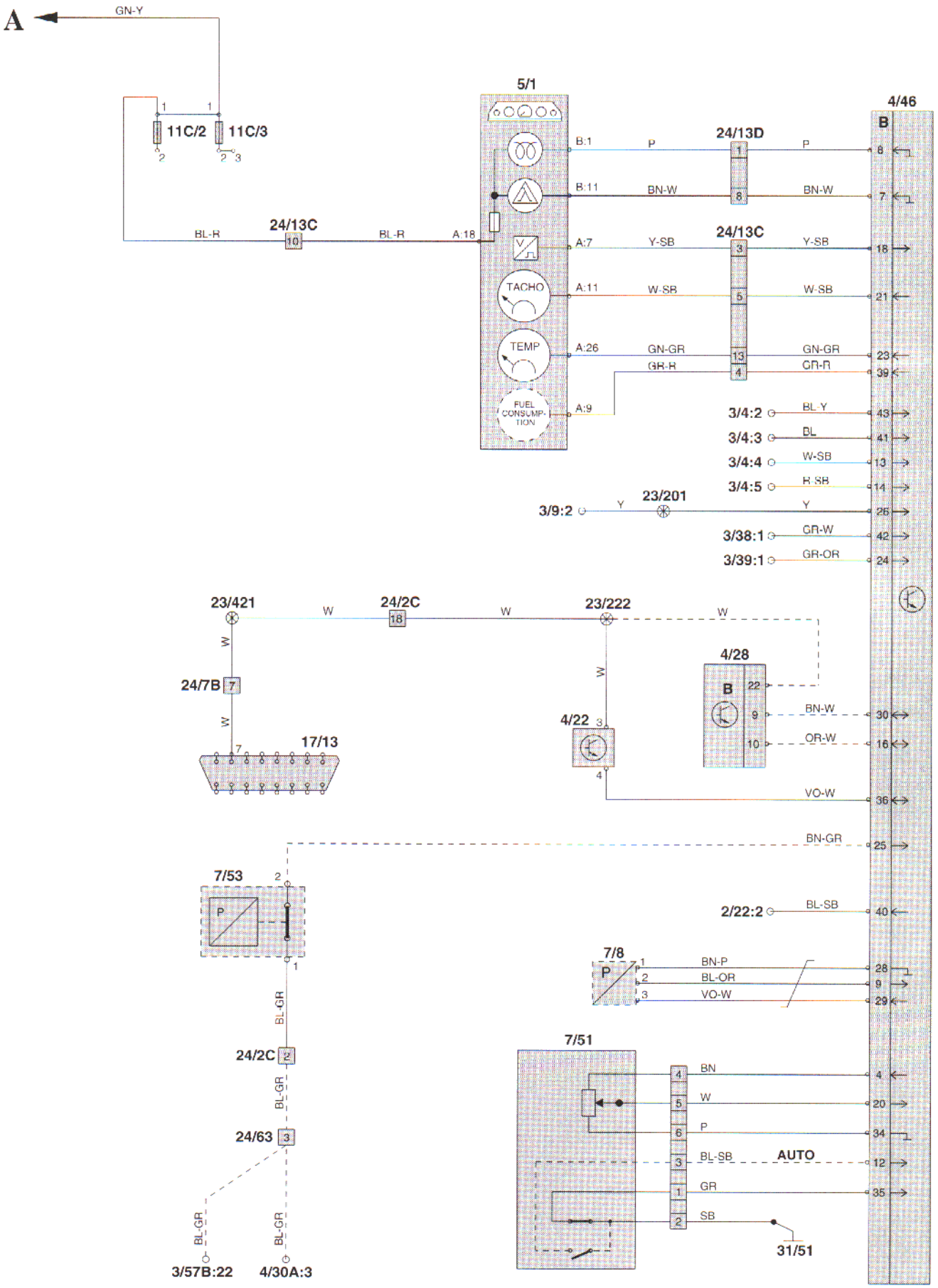
Fuel and ignition system
Motronic 4.3/4.4



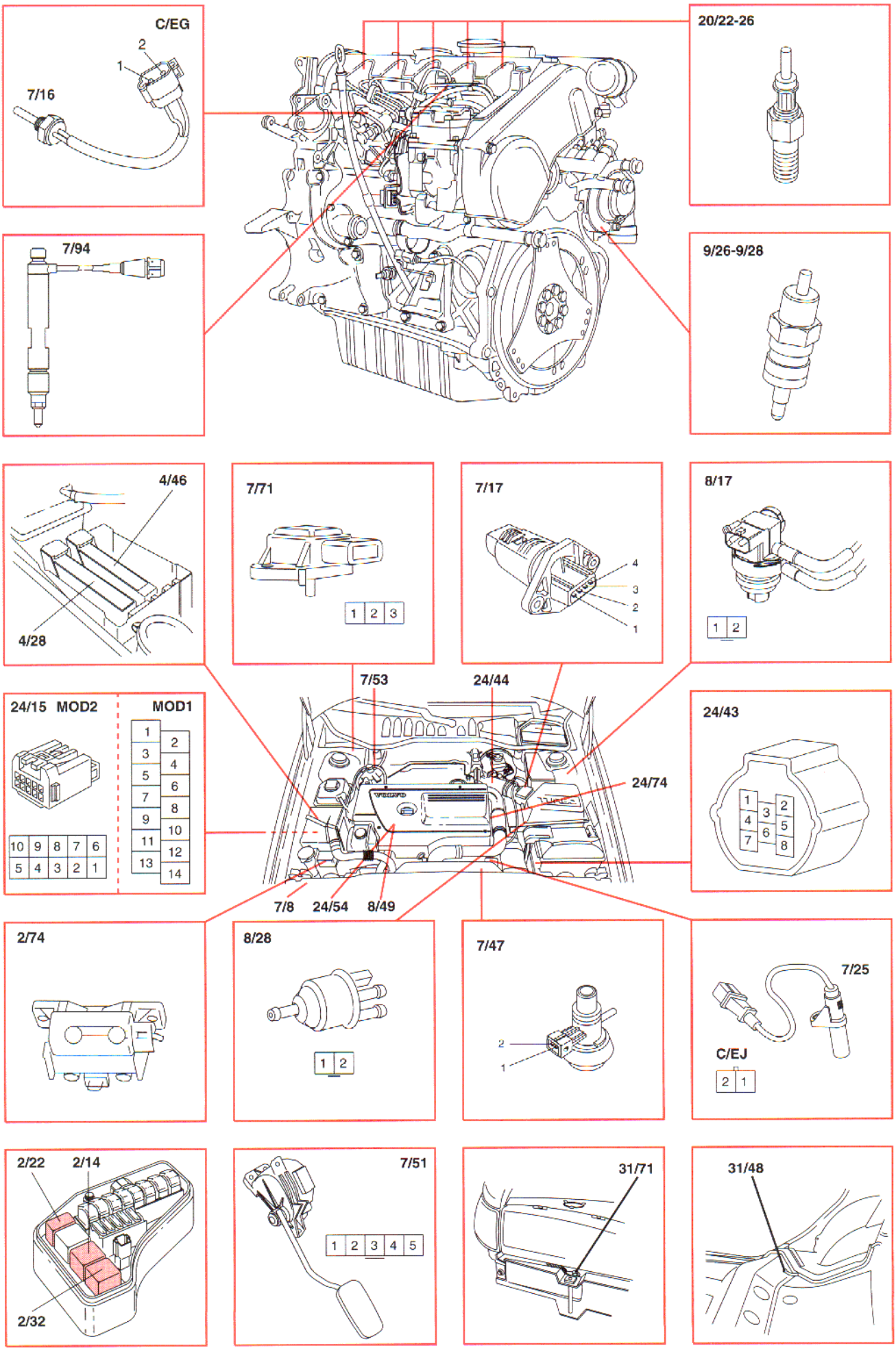

24/2
E
C
B
W
24/13
D
C
Y
24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14
24/4
E
B
R
5/1
A
14
30
1
15
B
7
16
1
8
D
1
5
4/22
1 2 3 4 5 6 7 8 9 10
24/7B
4 3 2 1
10 9 8 7 6 5
17/13
1
8
16
9
6/31 (C/BA)
1 2
7/84 (C/BD)
1 2 3
31/52
31/71
31/48
2/23
101
102
103
104
105
106
107
108
11C/2
11C/3
11C/10
201 202 203 204
205 206 207 208
209 210 211 212
213 214 215
31/51
7/82
7/15
2/22
2/53
2/32

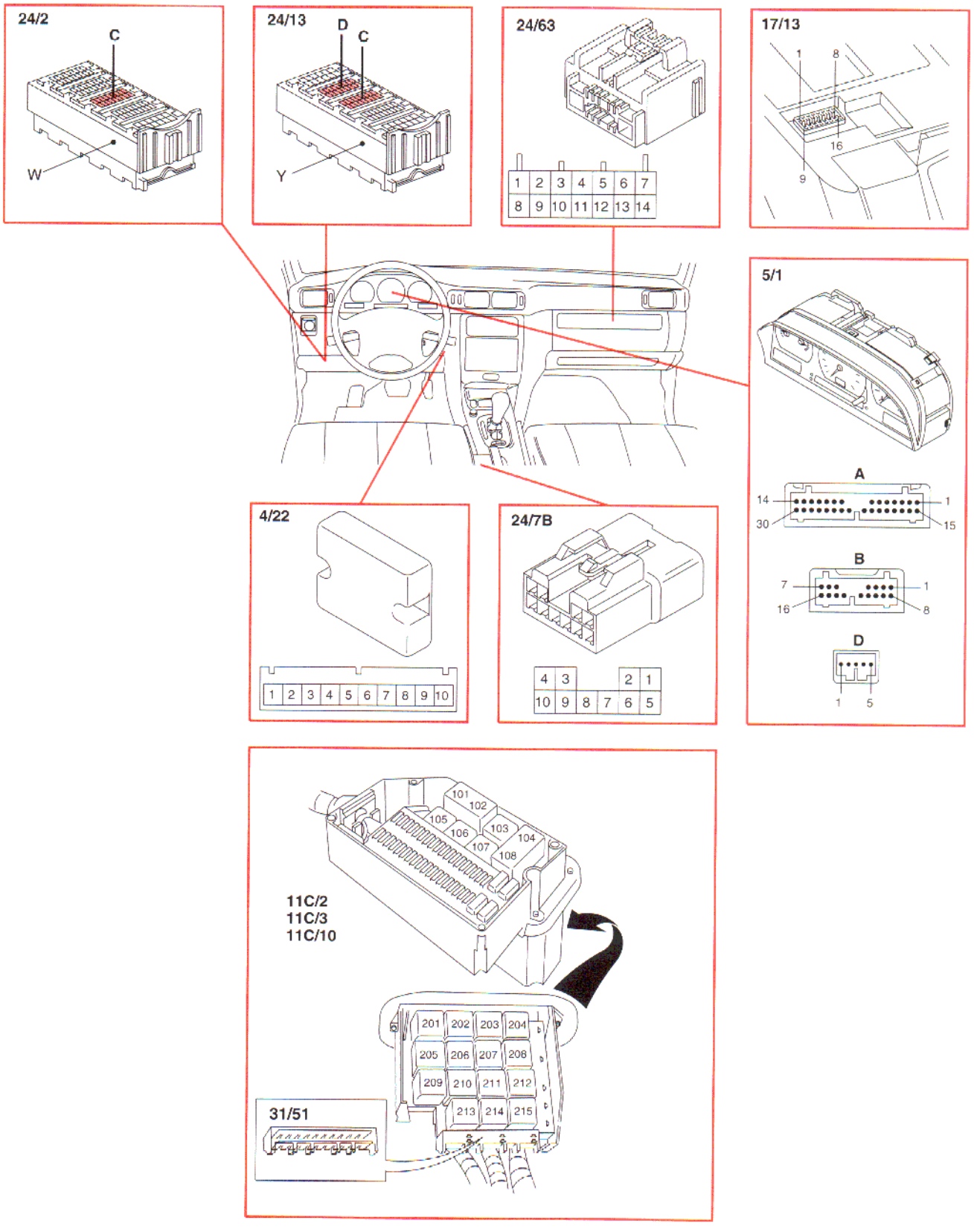
Engine management system
MSA 15.7.



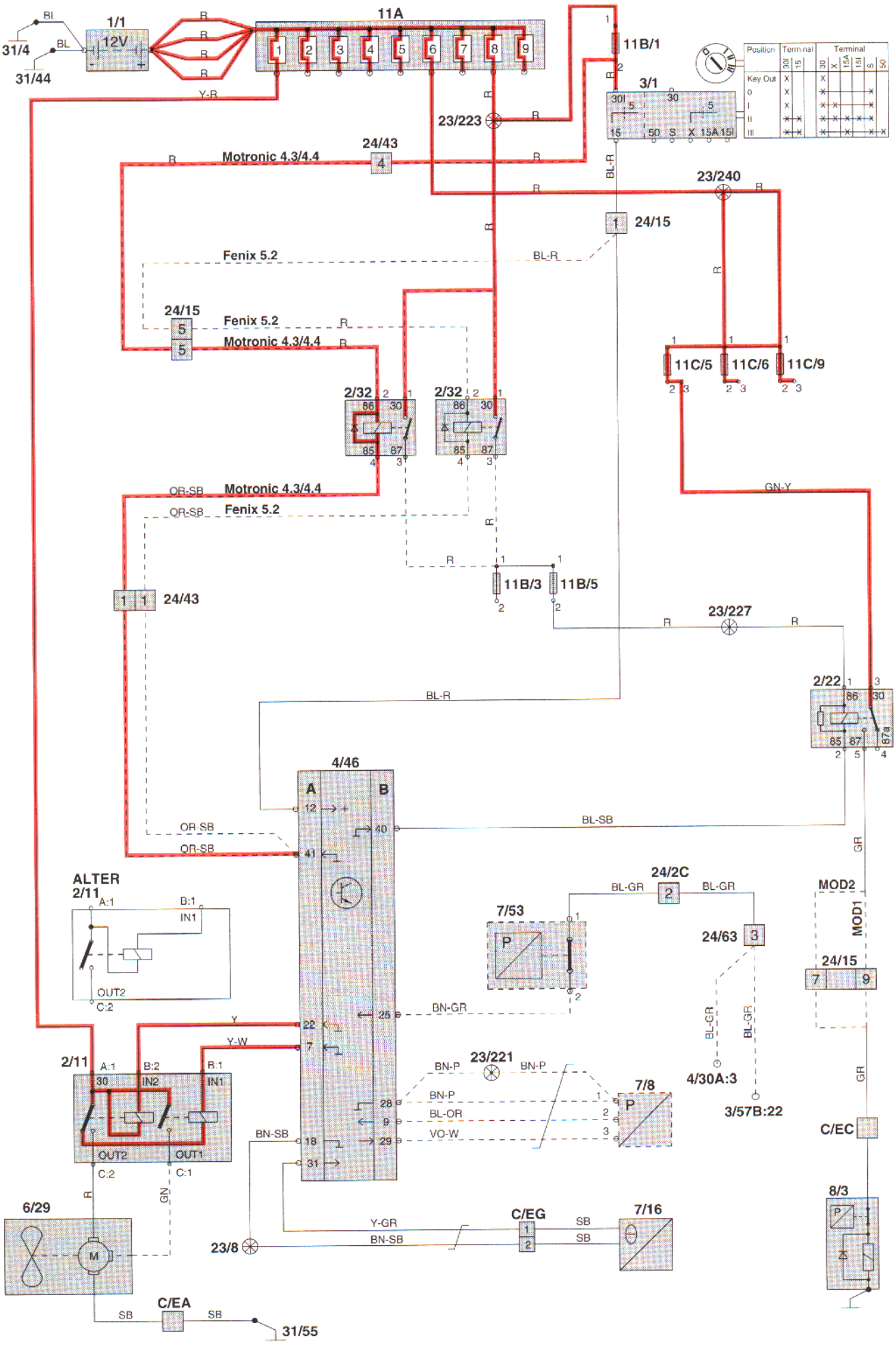

A
GN-Y
11C/2
11C/3
BL-R
24/13C
10
BL-R
A:18
5/1
TACHO
TEMP
FUEL CONSUMP-TION
B:1
P
B:11
BN-W
A:7
Y-SB
A:11
W-SB
A:26
GN-GR
GR-R
A:9
24/13D
24/13C
4/46
B
3/4:2
BL-Y
3/4:3
BL
3/4:4
W-SB
3/4:5
R-SB
3/9:2
Y
23/201
3/38:1
GR-W
3/39:1
GR-OR
23/421
W
24/2C
18
23/222
24/7B
7
17/13
4/22
4/28
BN-W
OR-W
VO-W
BN-GR
7/53
2/22:2
BL-SB
7/8
BN-P
BL-OR
VO-W
7/51
BN
W
P
BL-SB
AUTO
GR
SB
31/51
BL-GR
24/63
3/57B:22
4/30A:3

Engine management system
MSA 15.7

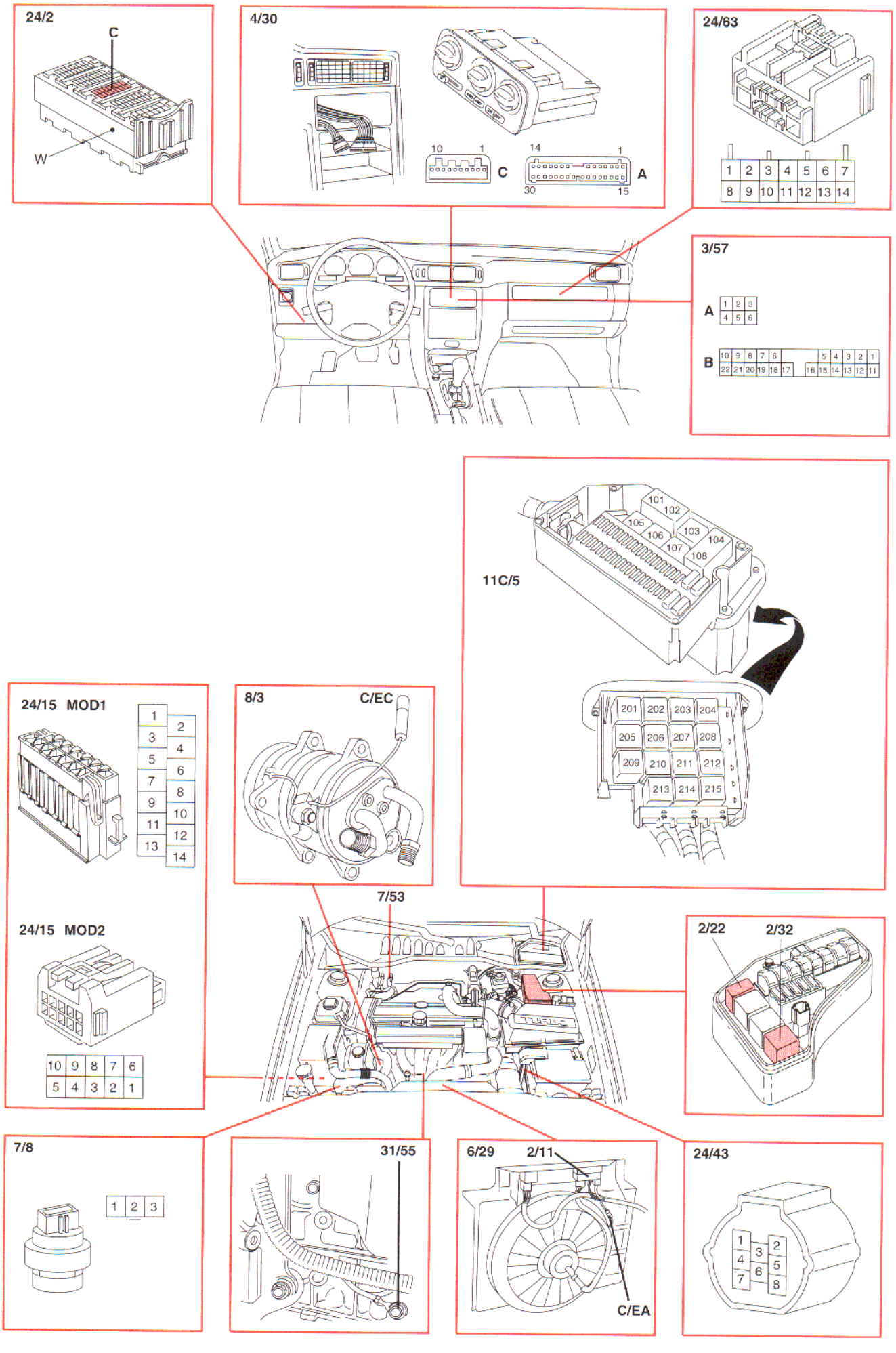



24/2
C
W
24/13
D
C
Y
24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14
17/13
1
8
16
9
5/1
A
14
1
30
15
B
7
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D
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4/22
1 2 3 4 5 6 7 8 9 10
24/7B
4 3 2 1
10 9 8 7 6 5
11C/2
11C/3
11C/10
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201 202 203 204
205 206 207 208
209 210 211 212
213 214 215
31/51
2/11
6/31 (C/BA)
1 2

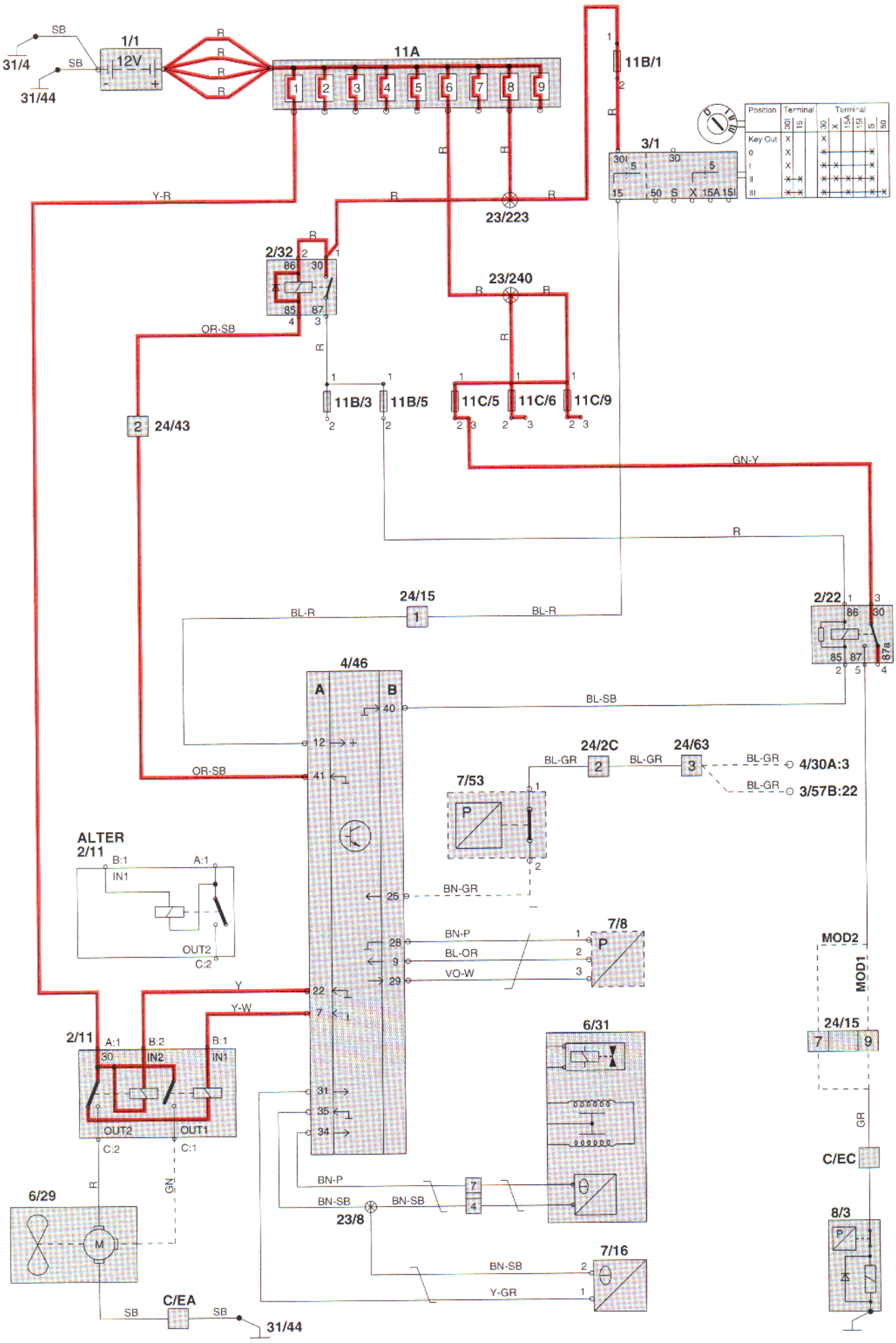
Engine cooling fan (FC)
Fenix 5.2, Motronic 4.3/4.4



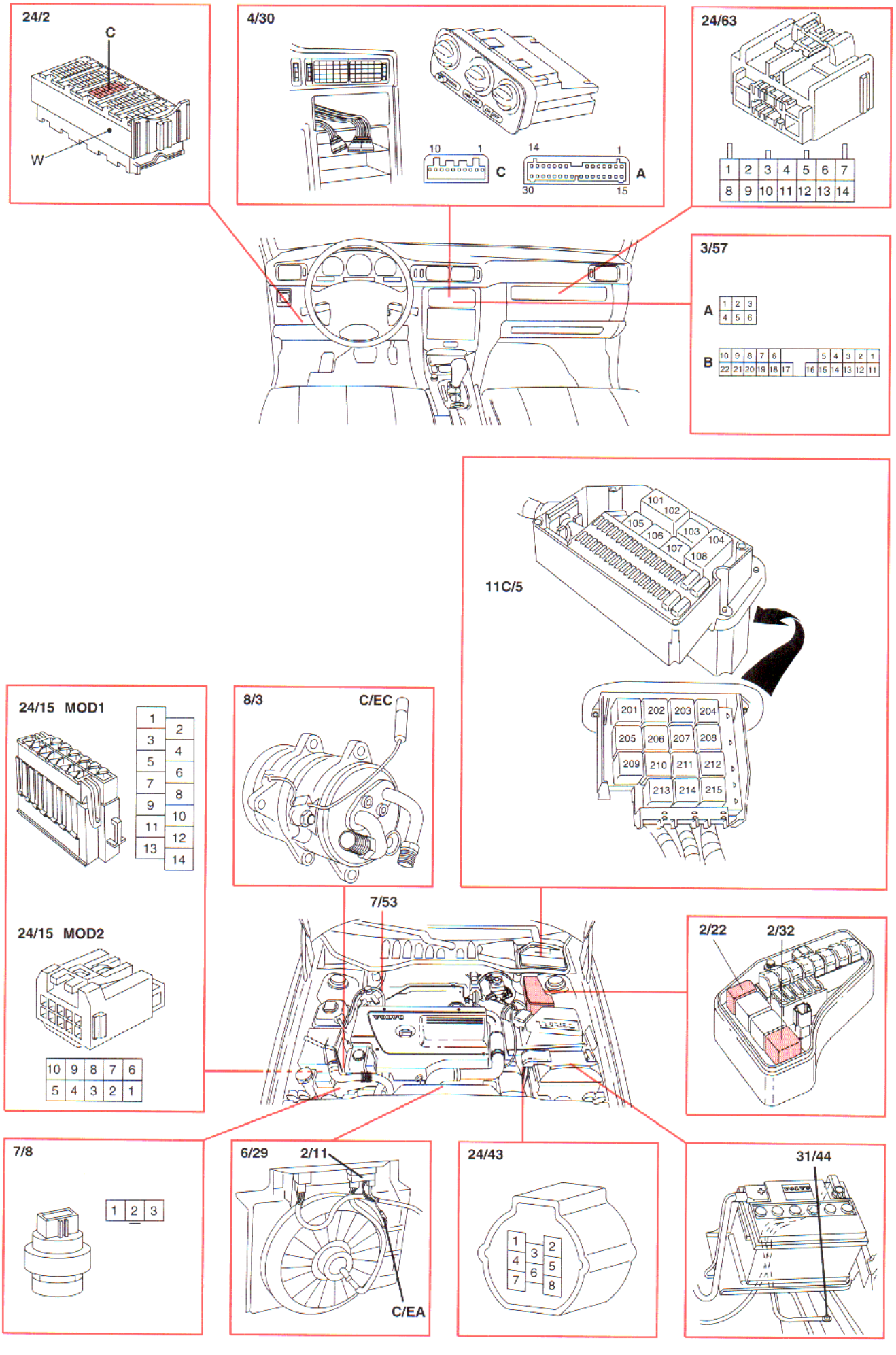
Engine cooling fan (FC)
Fenix 5.2, Motronic 4.3/4.4



Engine cooling fan (FC)
MSA 15.7

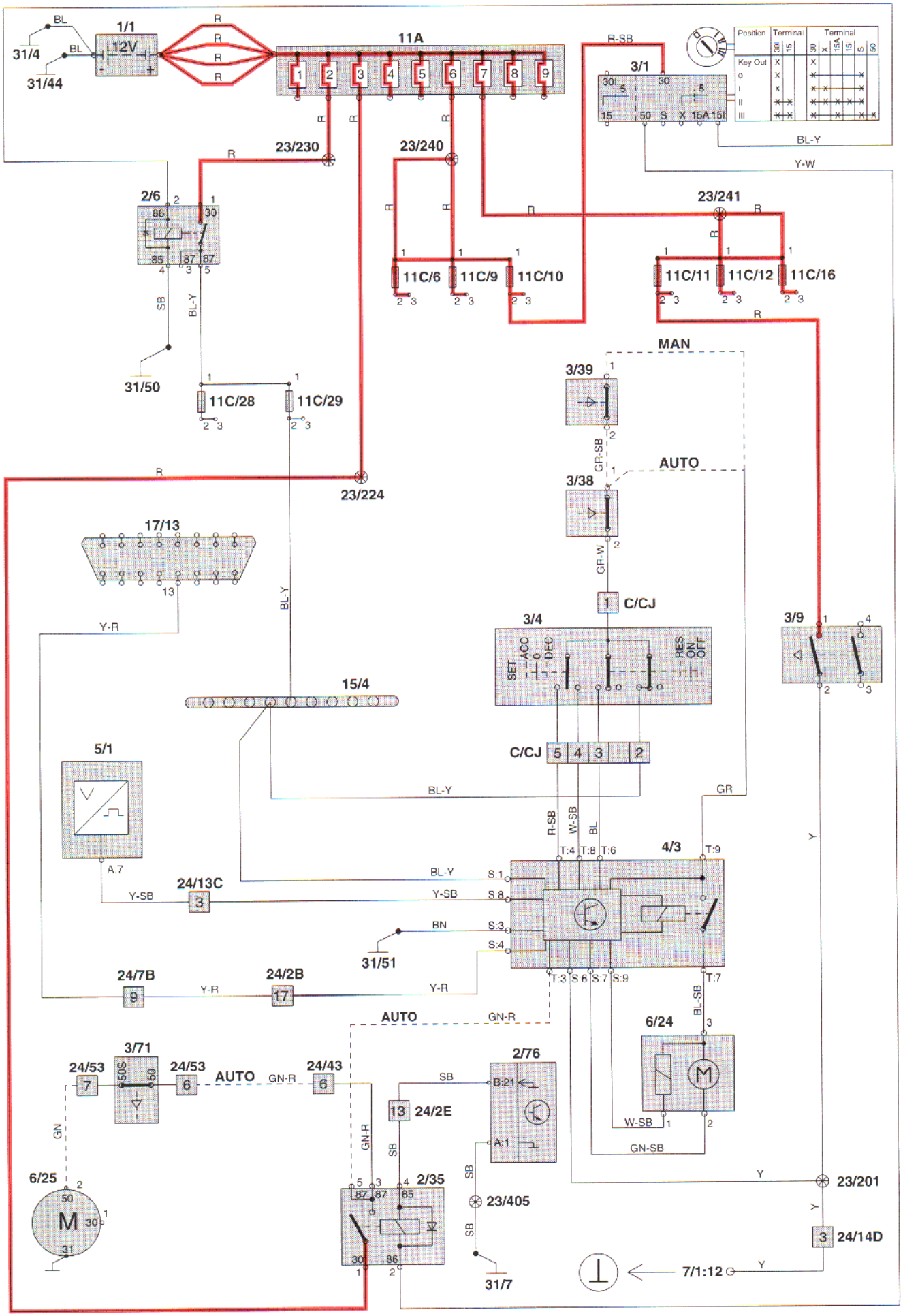


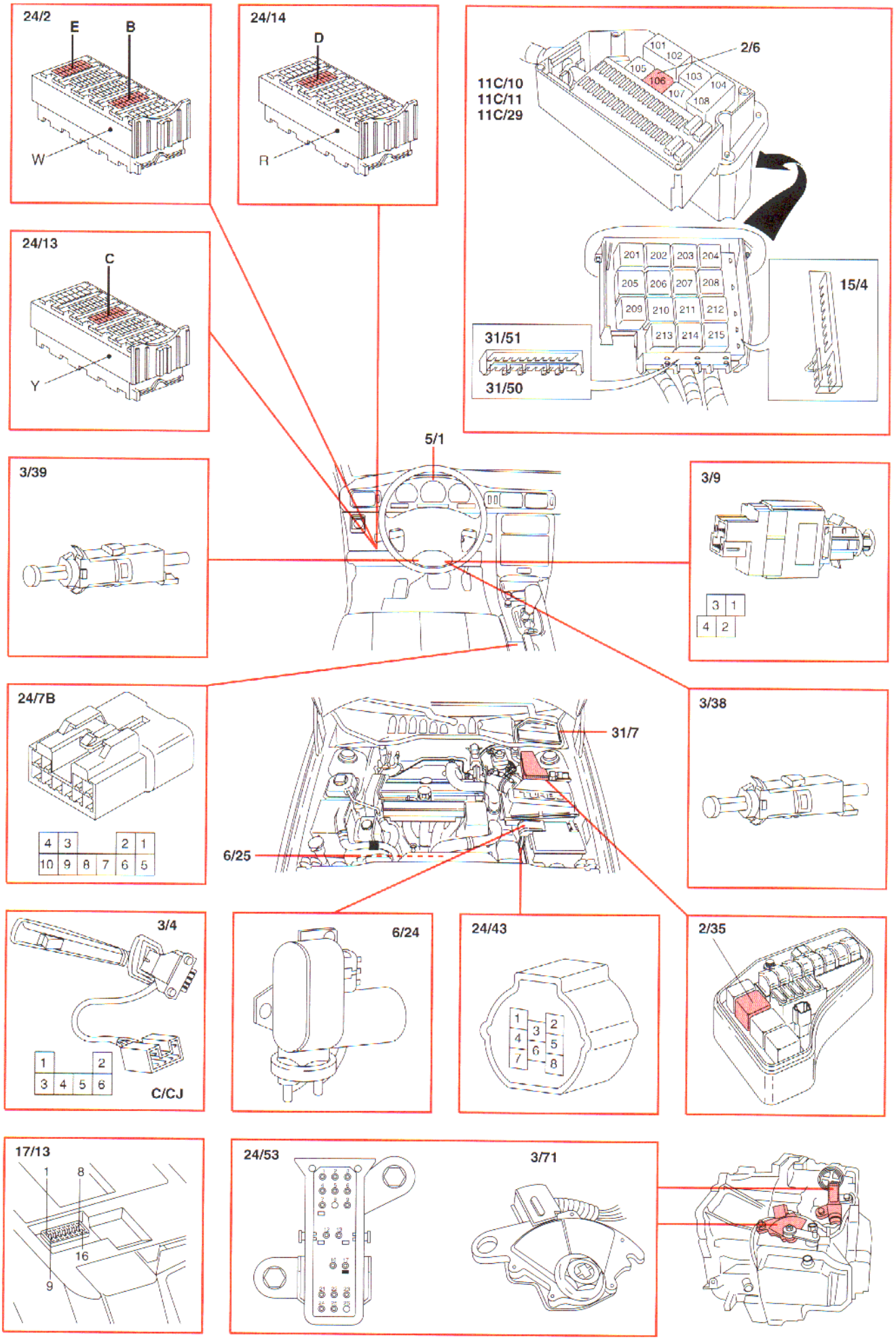
Engine cooling fan (FC)
MSA 15.7



Cruise control
Fenix 5.2, Motronic 4.3/4.4

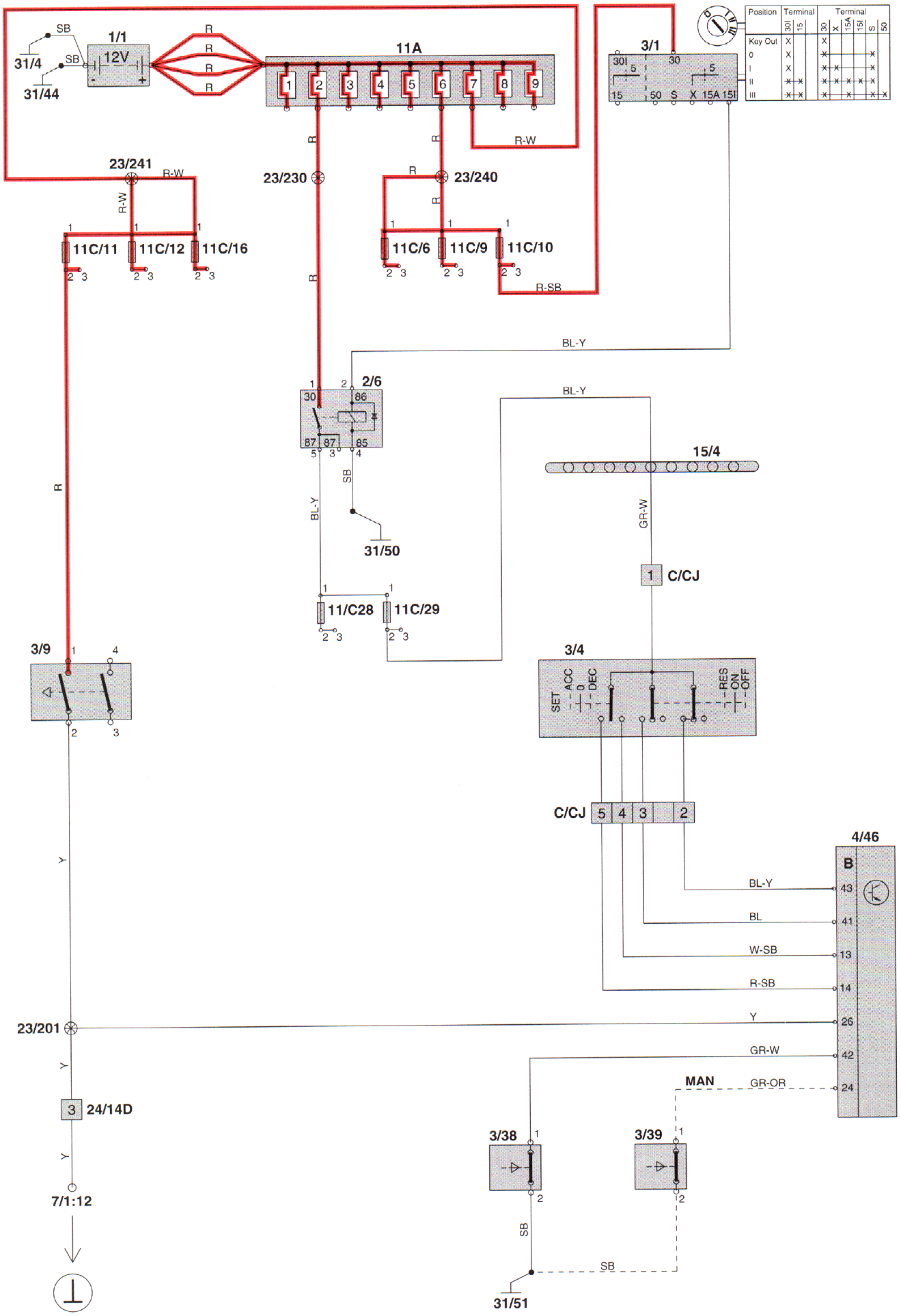
For function diagram, see Page 256.

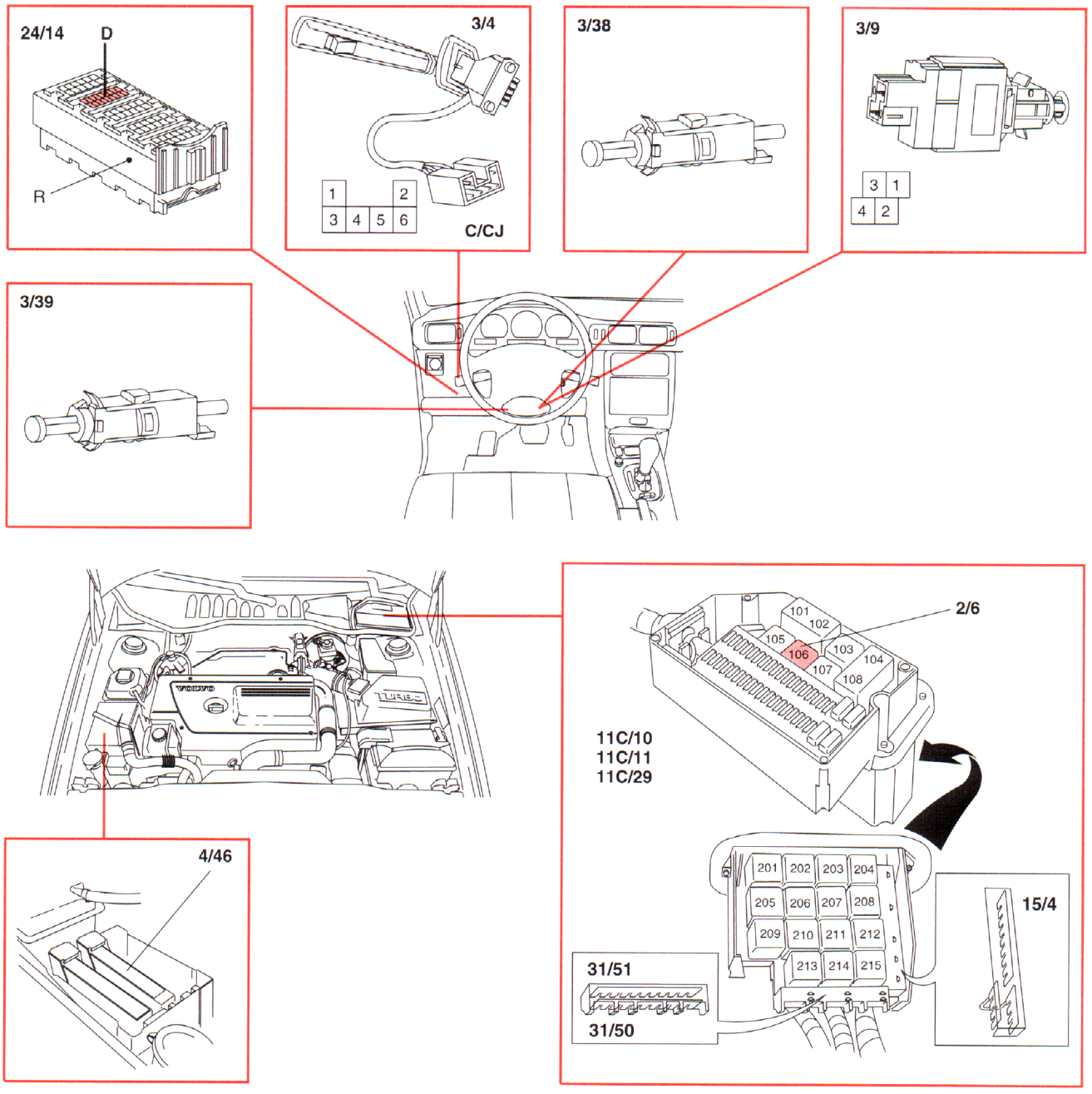



24/2
E
B
W
24/14
D
R
24/13
C
Y
11C/10
11C/11
11C/29
2/6
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15/4
31/51
31/50
5/1
3/39
3/9
3 1
4 2
24/7B
4 3 2 1
10 9 8 7 6 5
31/7
6/25
3/38
3/4
1 2
3 4 5 6
C/CJ
6/24
24/43
1 3 2
4 6 5
7 8
2/35
17/13
1
8
16
9
24/53
3/71

Cruise control
MSA 15.7

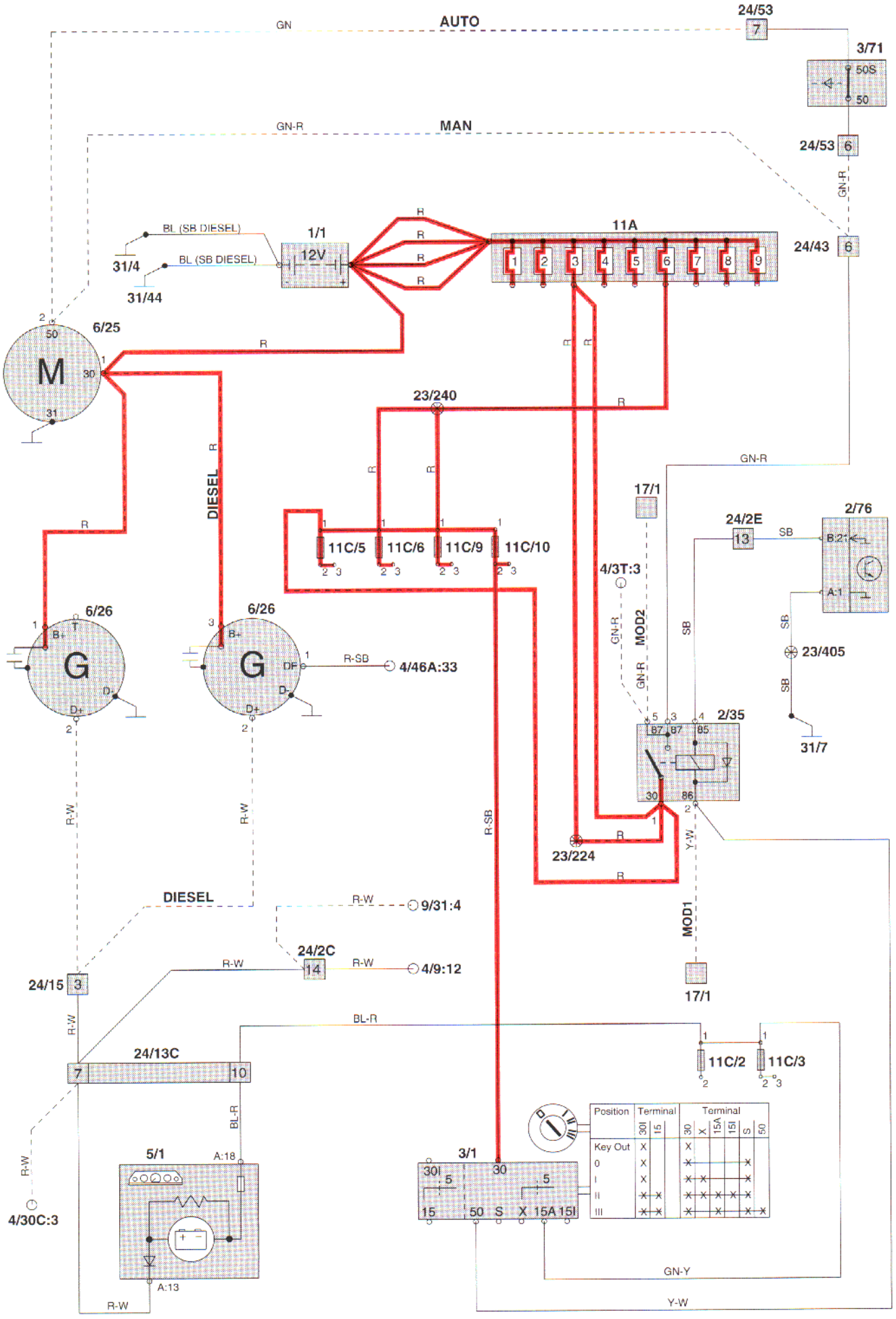
For function diagram, see Page 259-261.

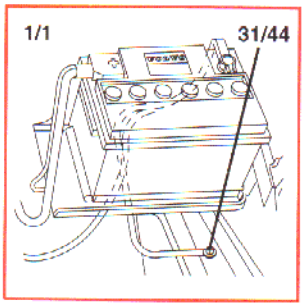


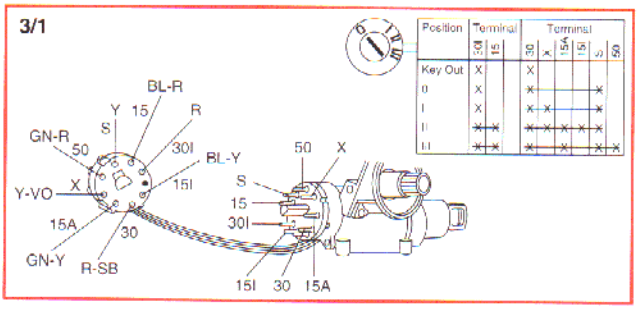

24/14
D
R
3/4
1
2
3
4
5
6
C/CJ
3/38
3/9
3
1
4
2
3/39
2/6
101
102
103
104
105
106
107
108
11C/10
11C/11
11C/29
201
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31/51
31/50
4/46

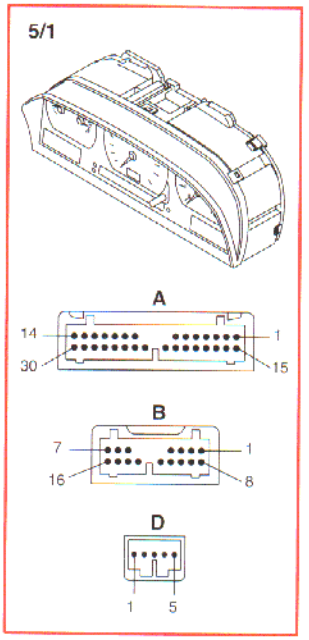
Power supply and starter system

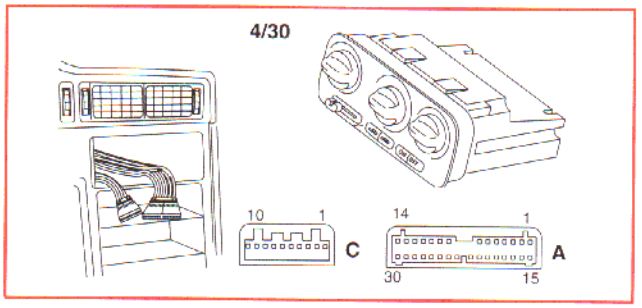
For function diagram, see Page 262-263.

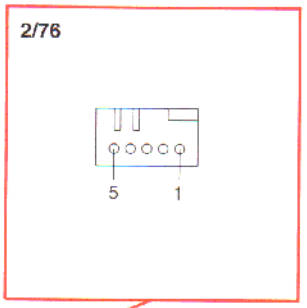




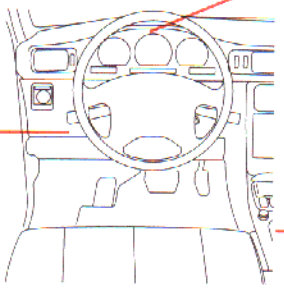


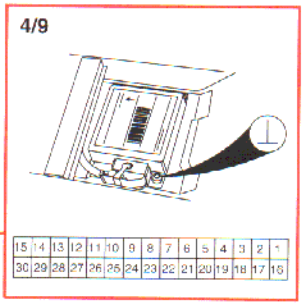


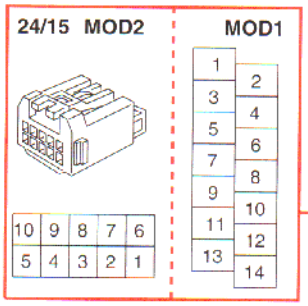


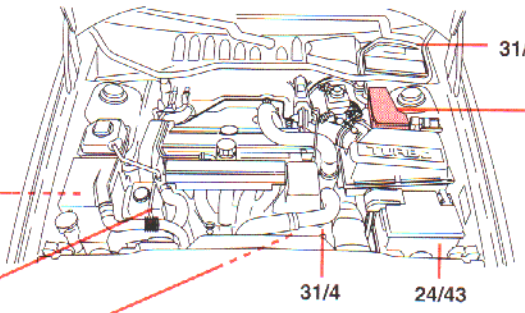


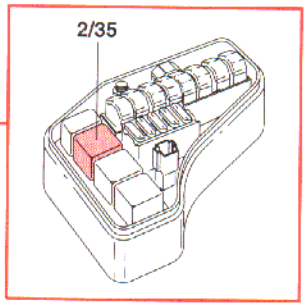
24/2
24/13
24/14

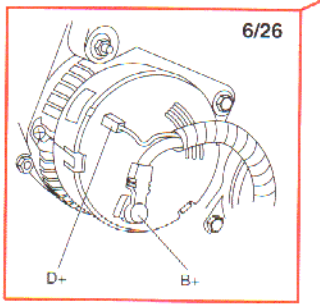


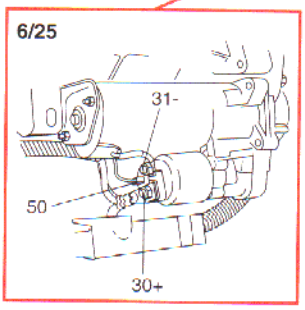


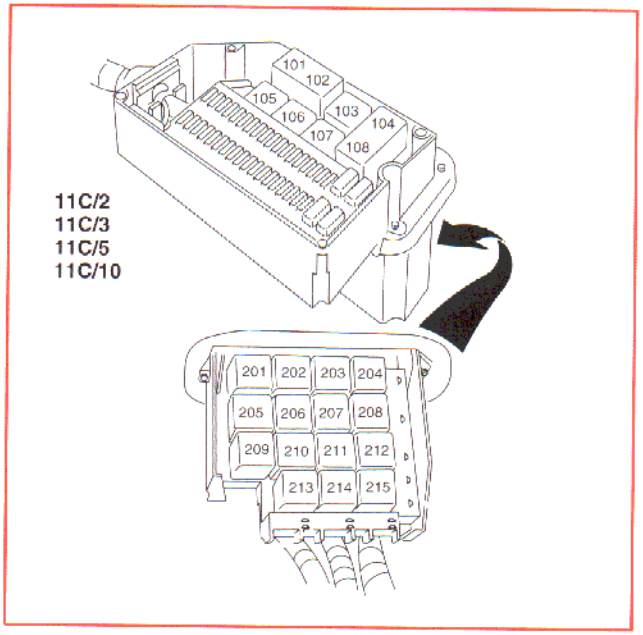


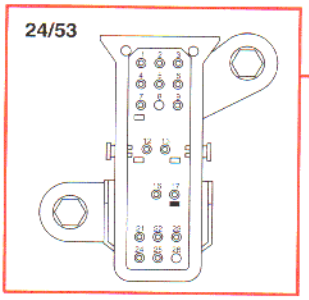


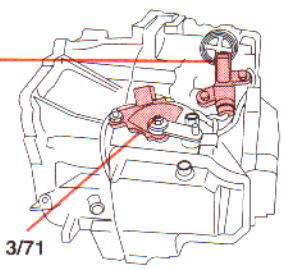






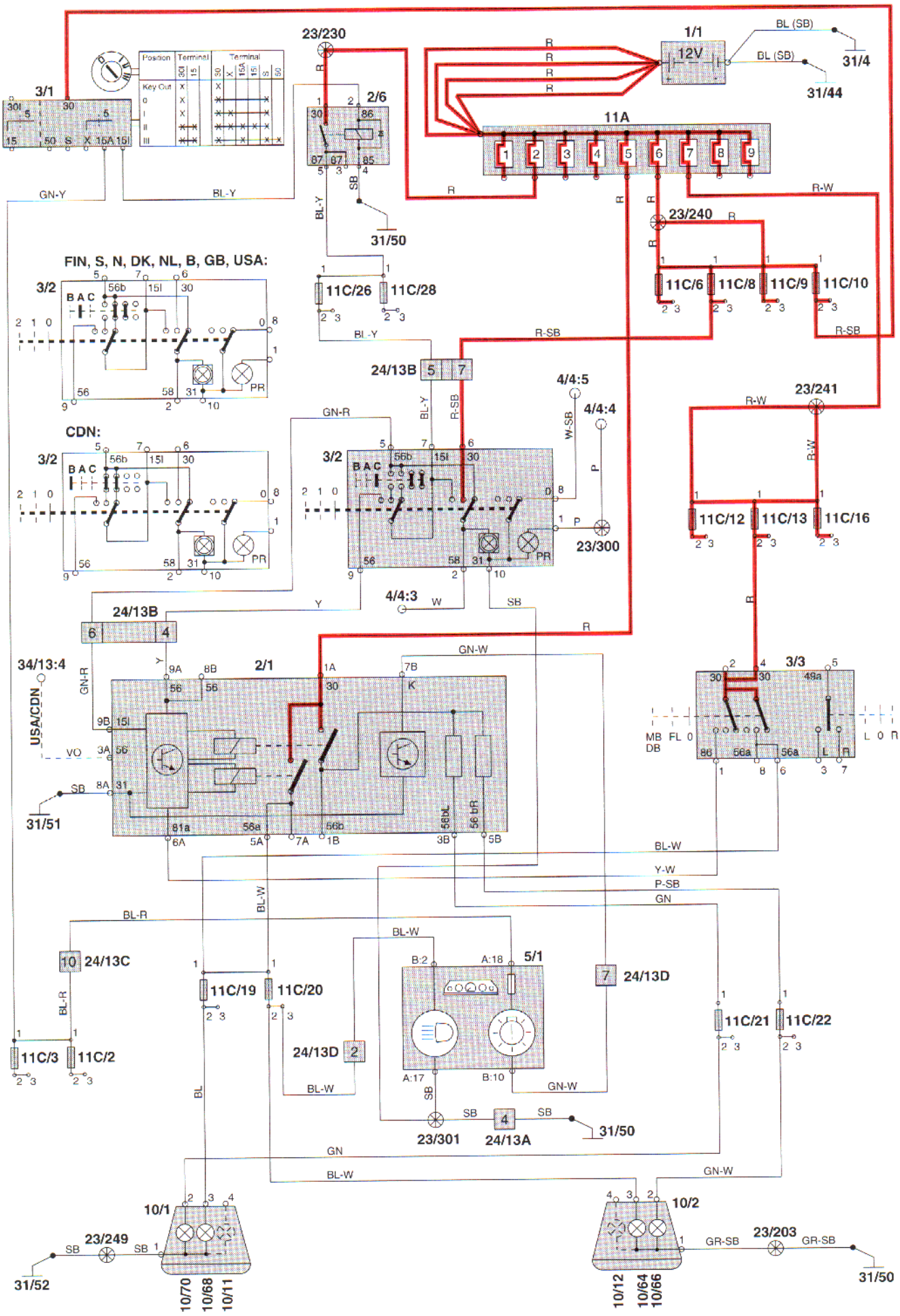


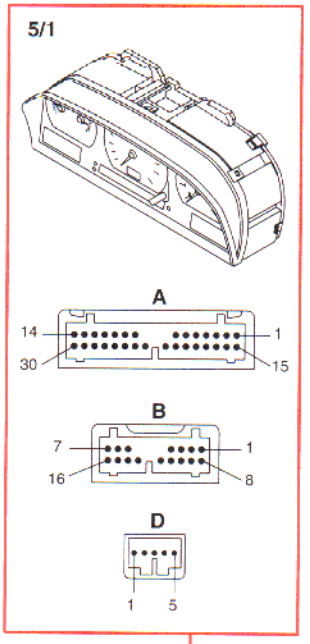


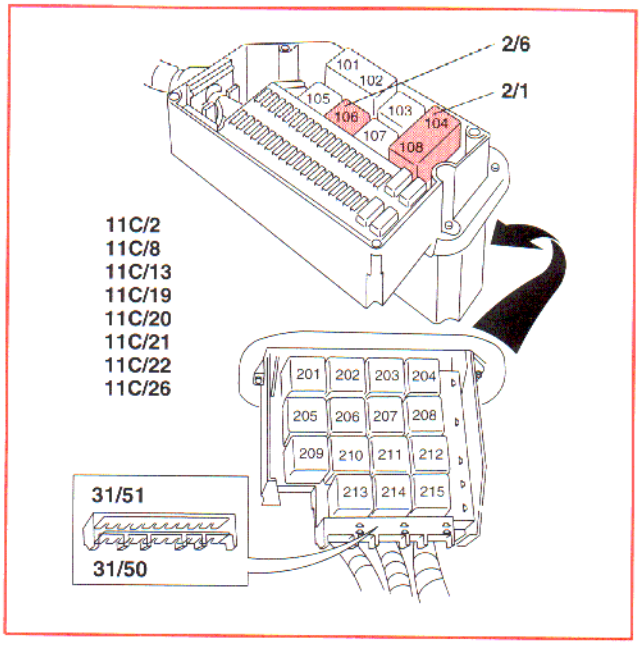


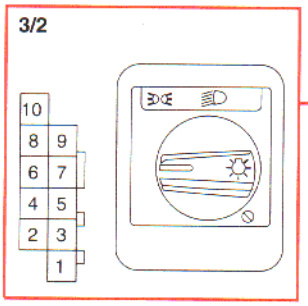
High and low beams

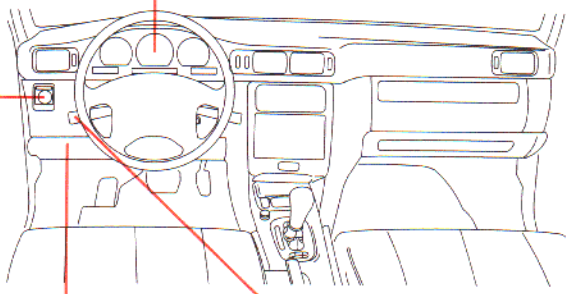
For function diagram, see Page 264.

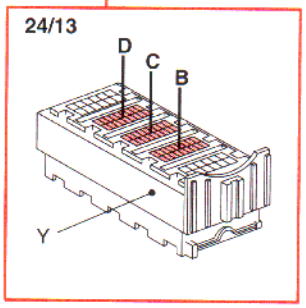


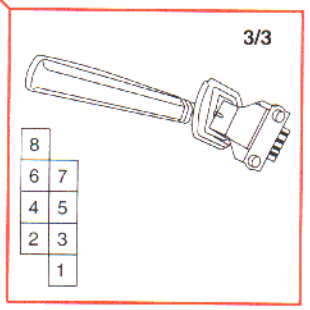

5/1
A
14
30
1
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B
7
16
1
8
D
1
5

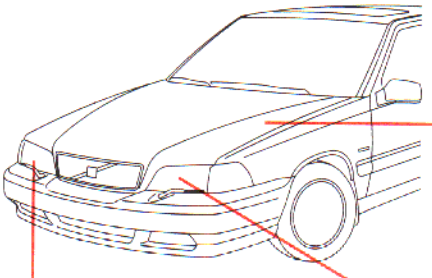

2/6
2/1
101
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11C/2
11C/8
11C/13
11C/19
11C/20
11C/21
11C/22
11C/26
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31/50

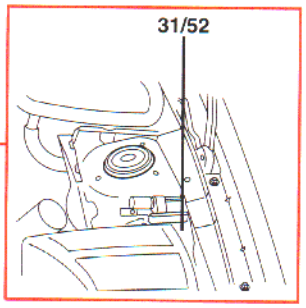

3/2
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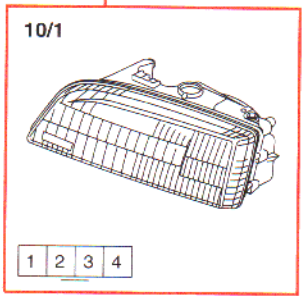


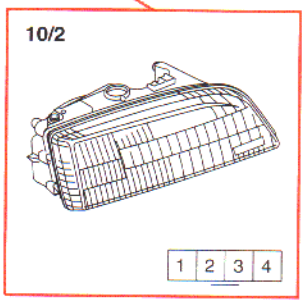

24/13
D
C
B
Y


3/3
8
6
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1

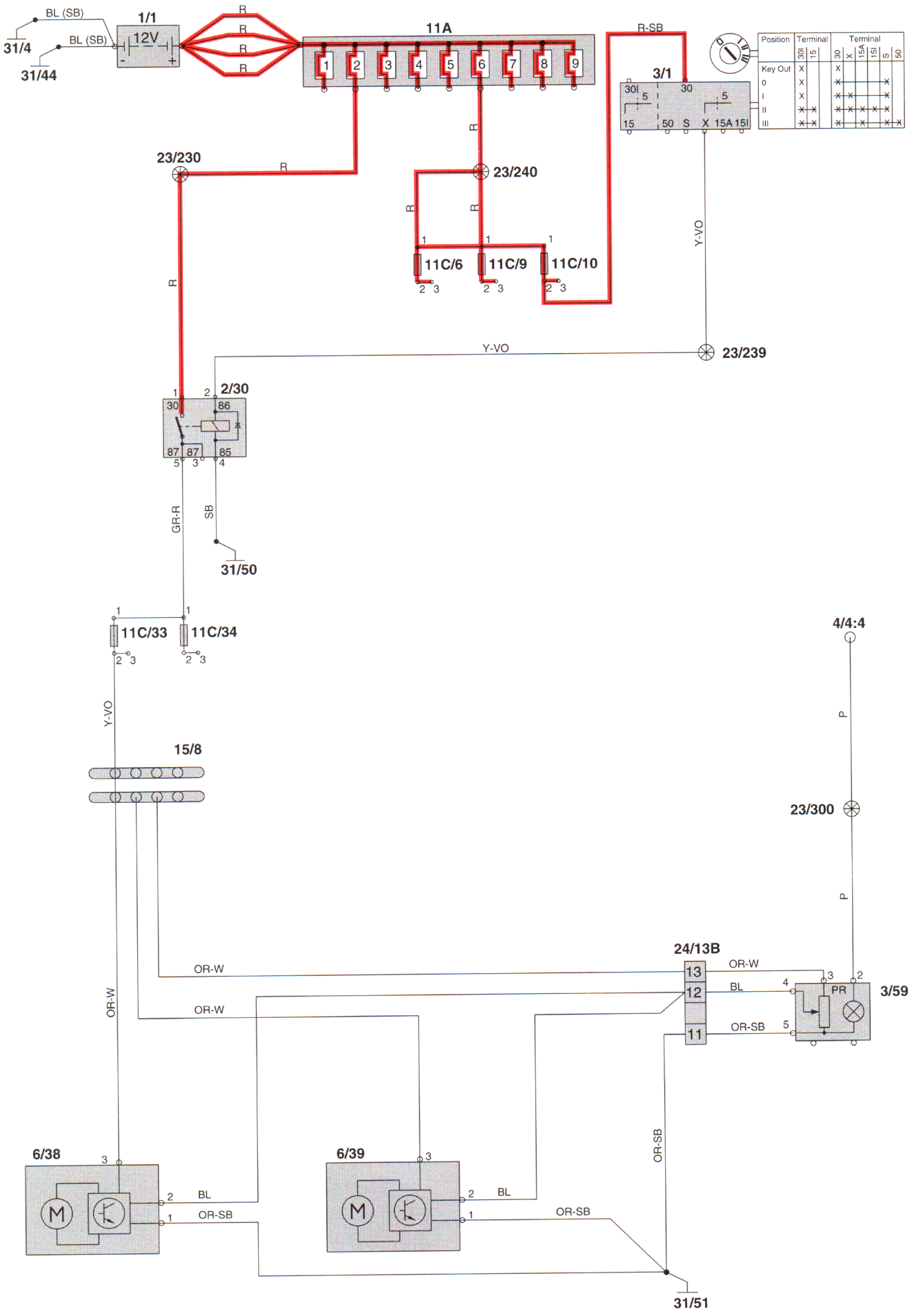



31/52

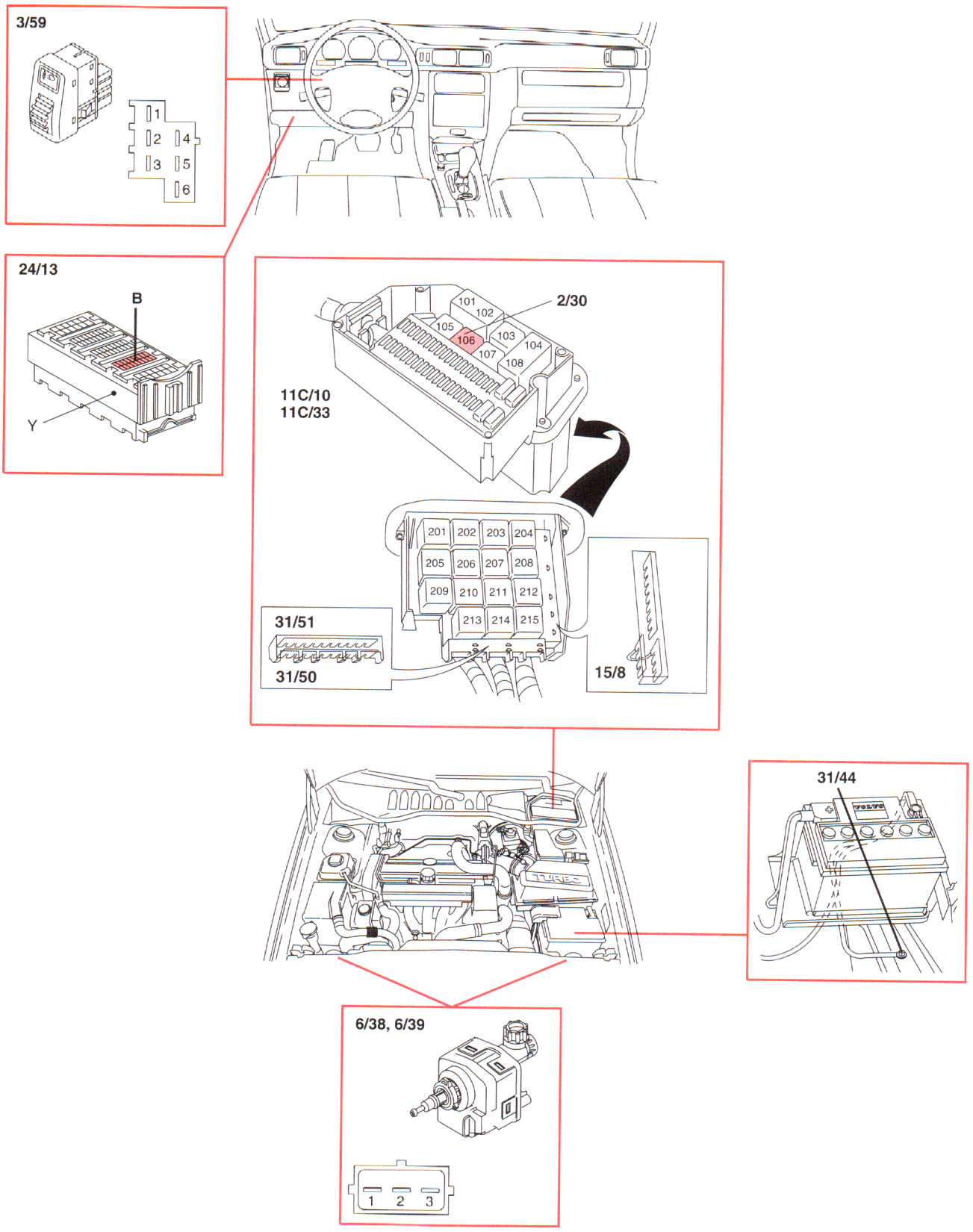

10/1
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10/2
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4

Headlamp range adjustment

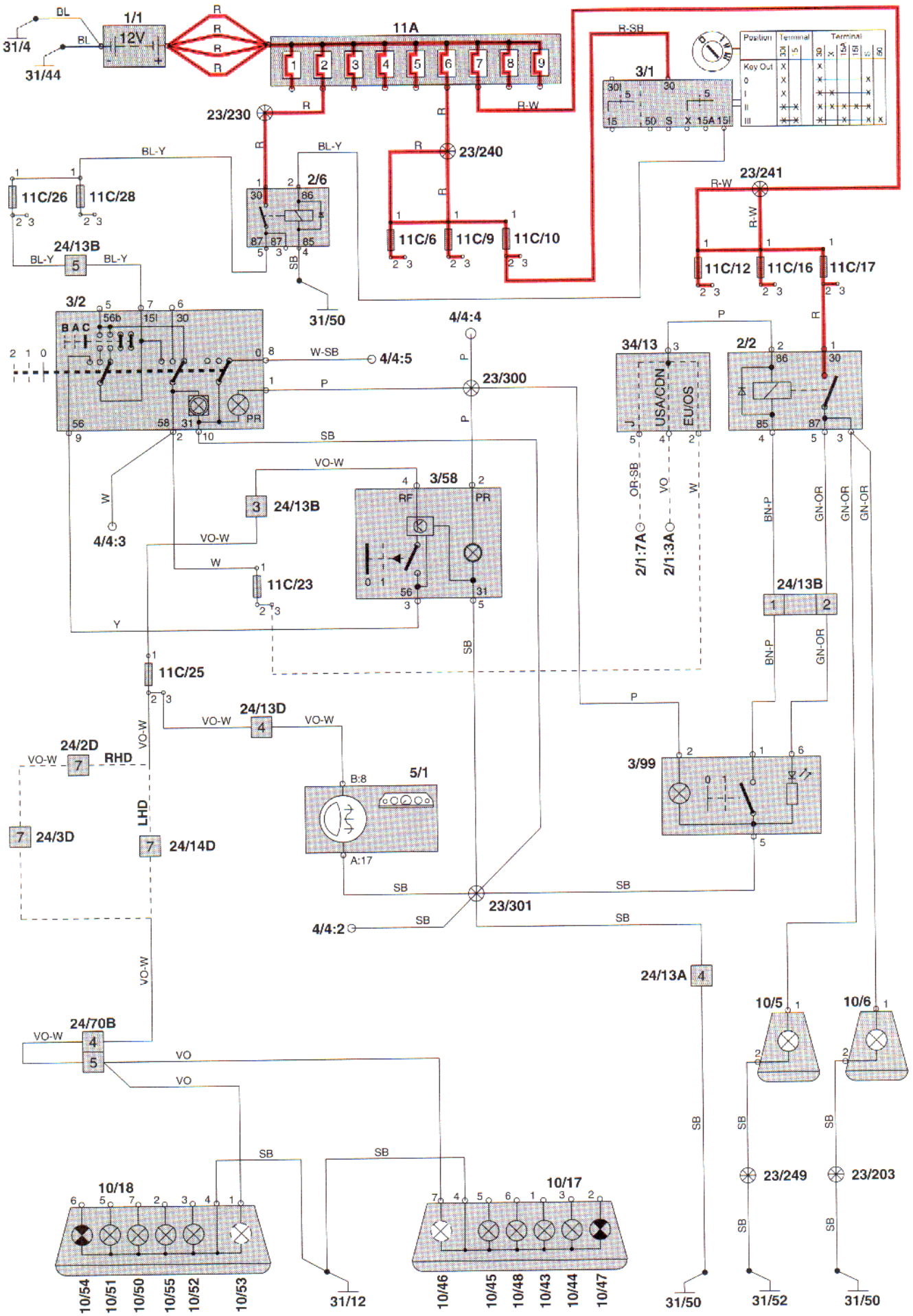


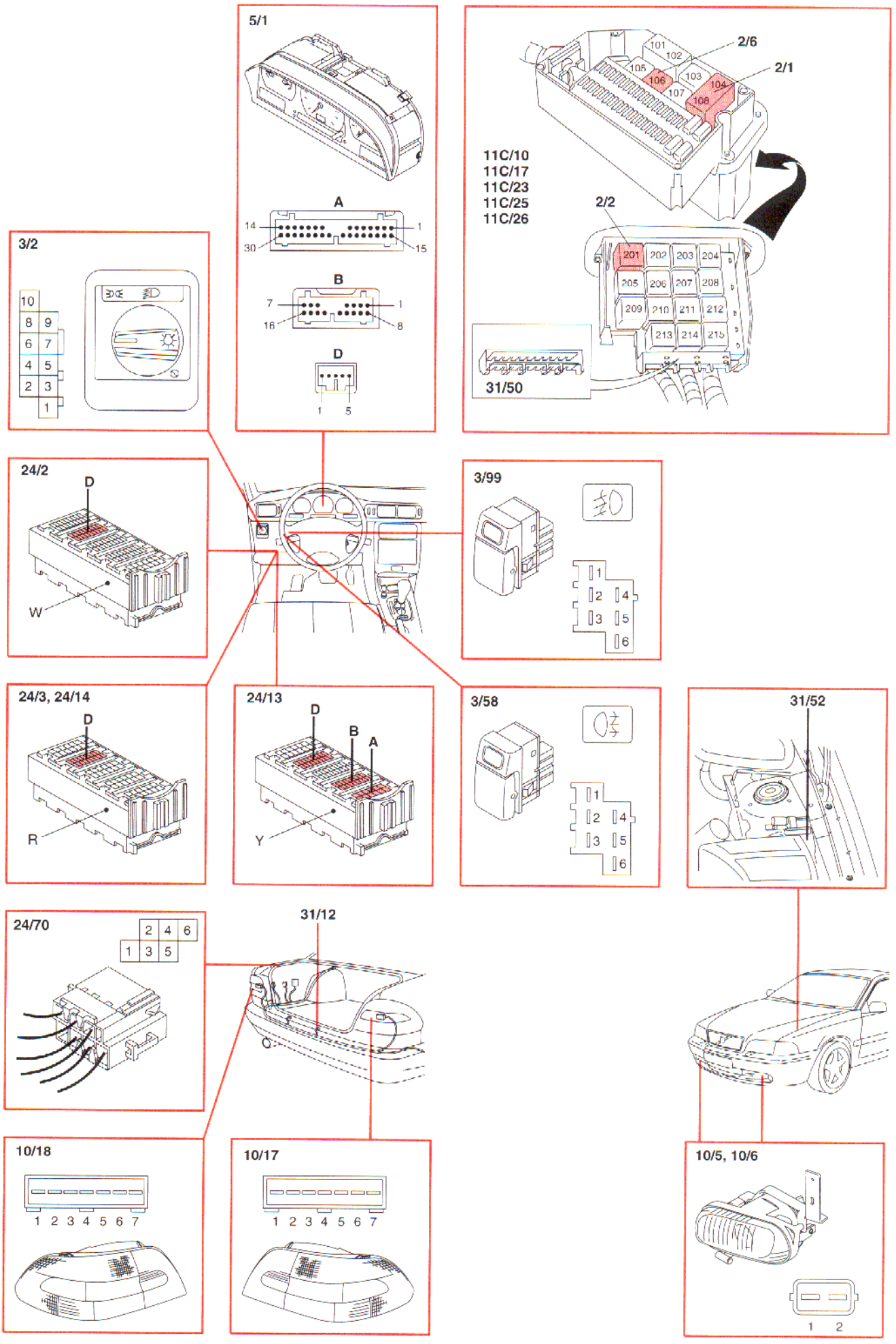
Headlamp range adjustment



Fog lamps
C70

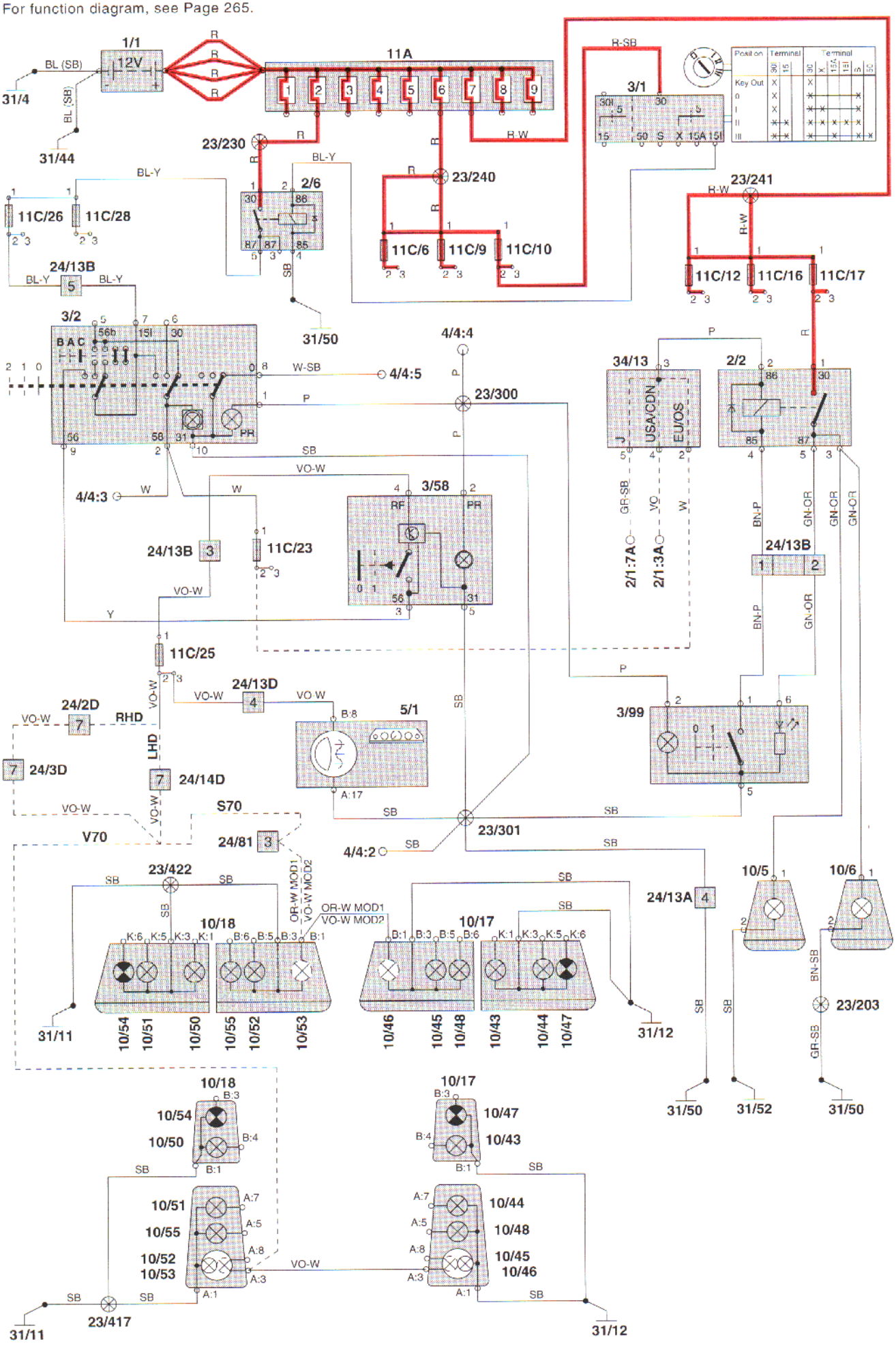
For function diagram, see Page 265.



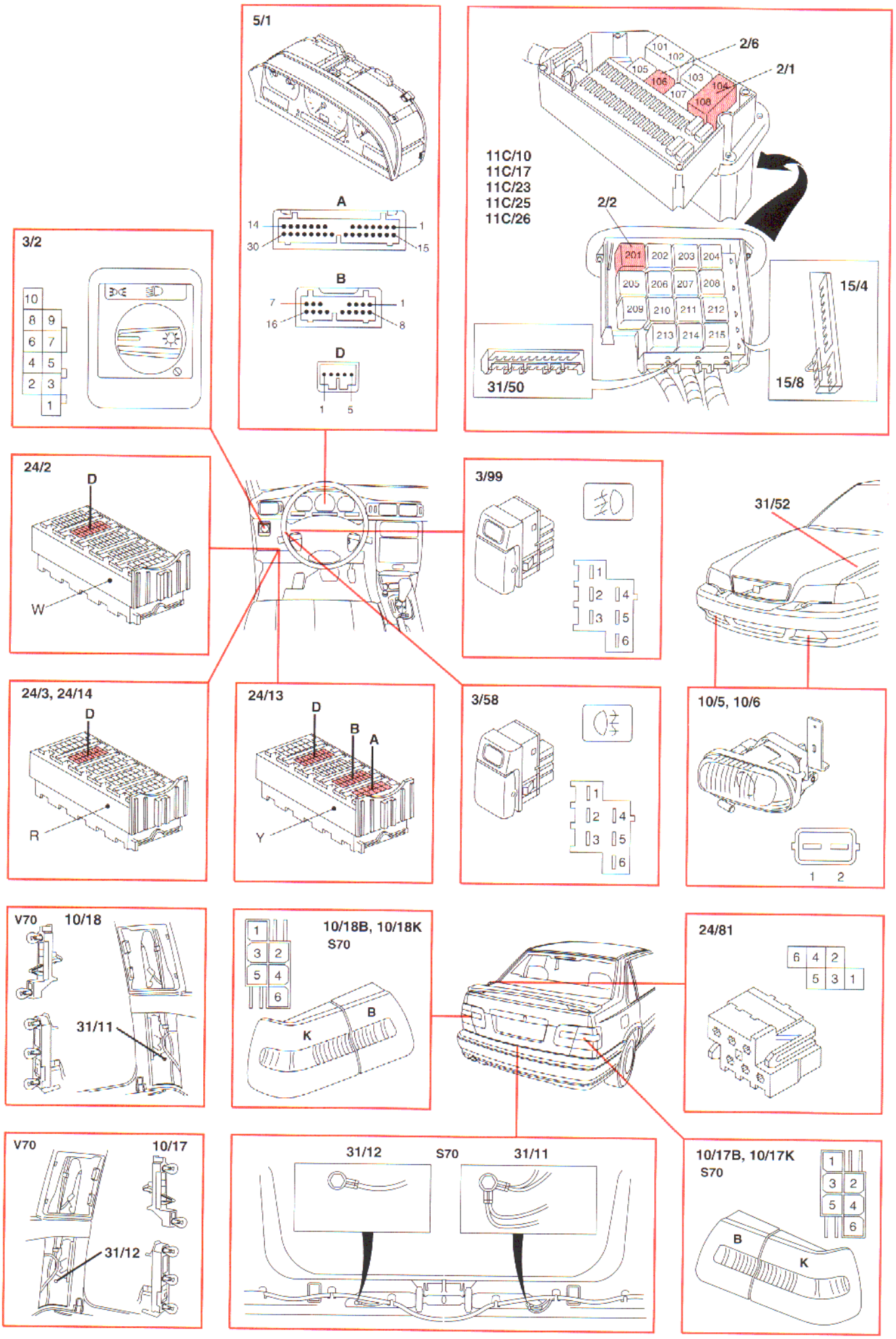

5/1
A
B
D
14
30
1
15
7
16
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Fog lamps
S70/V70

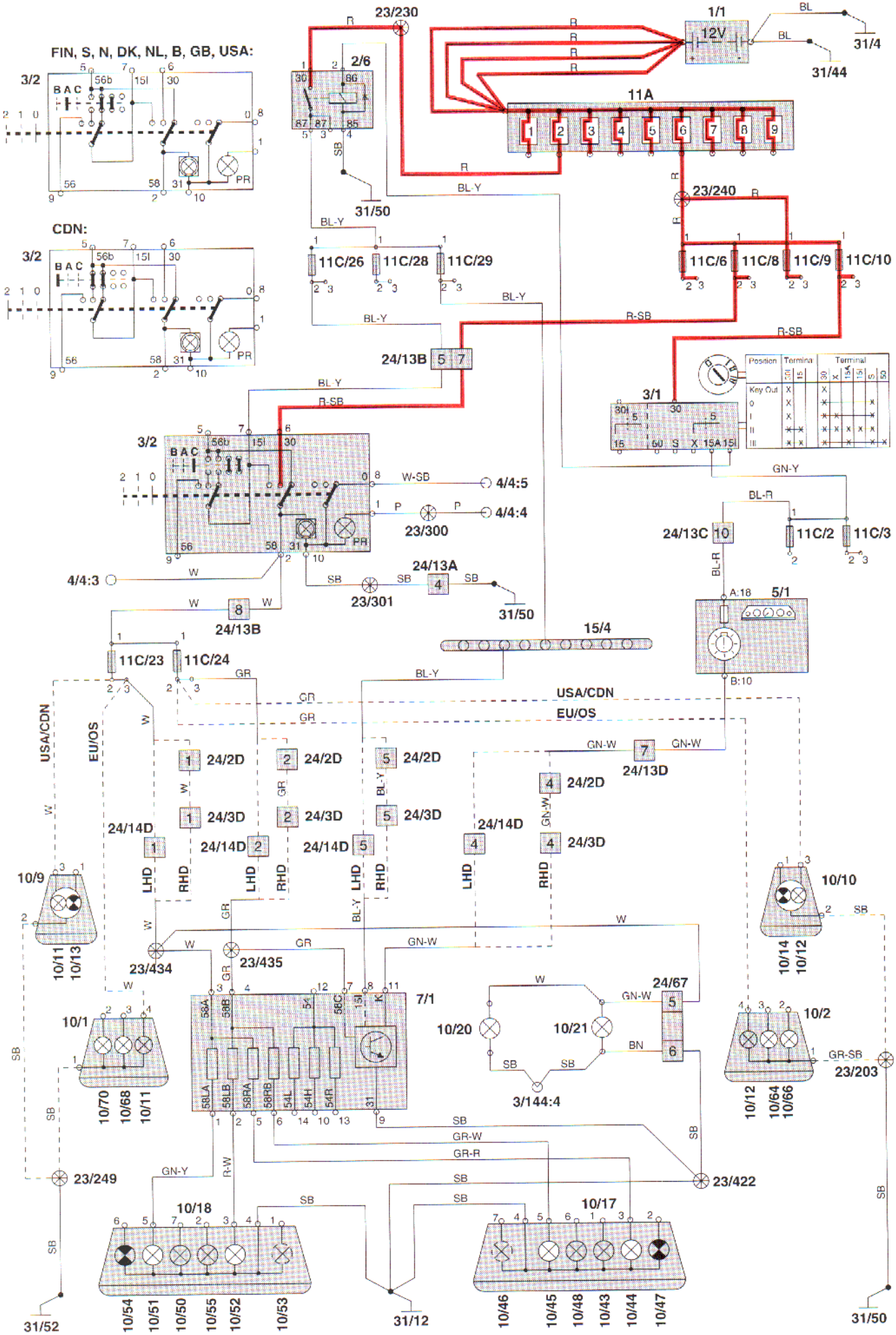
For function diagram, see Page 265.



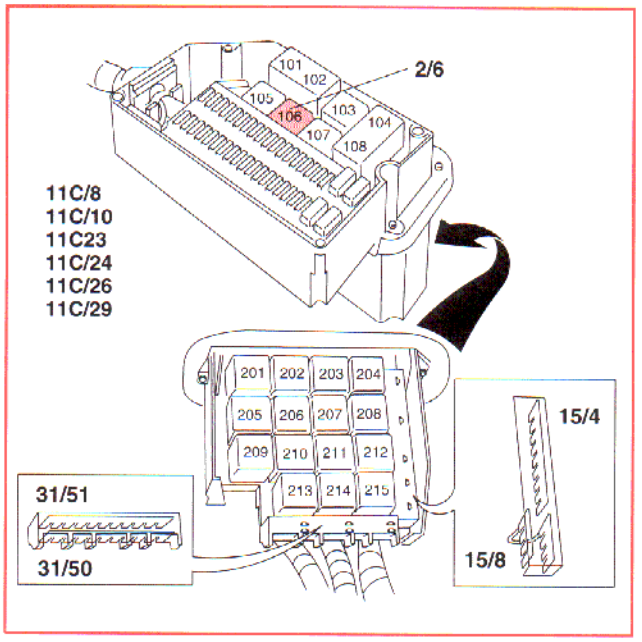
Fog lamps
S70/V70

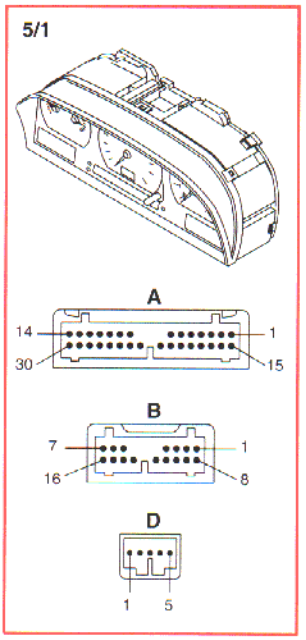


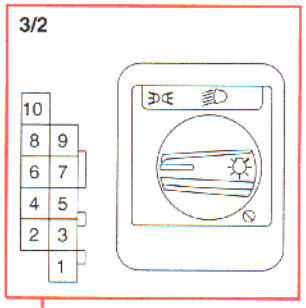
Parking lamps, tail lamps and license (number) plate lighting
C70

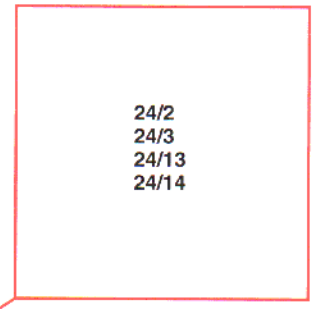


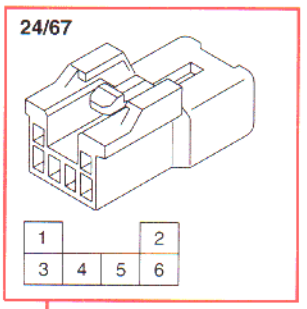
Parking lamps, tail lamps and license (number) plate lighting
C70

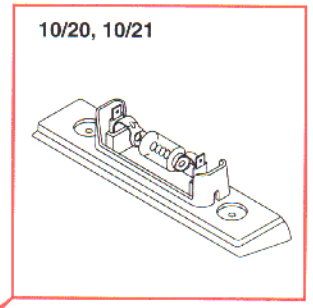


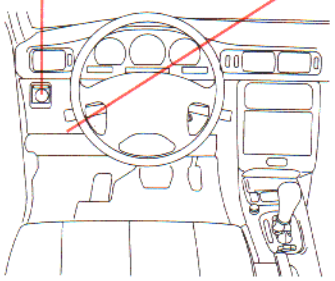


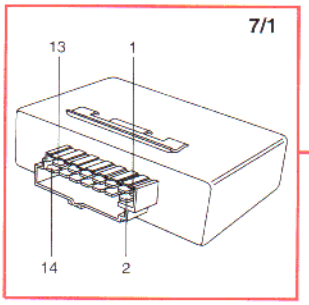


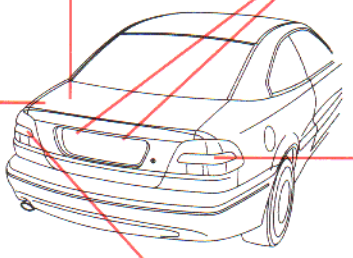


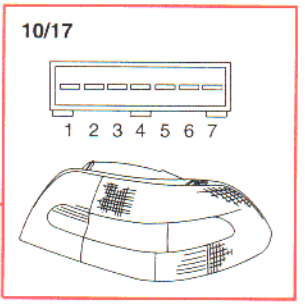


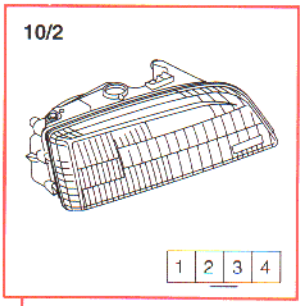


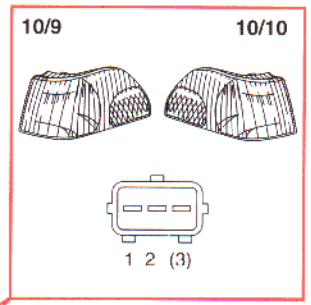


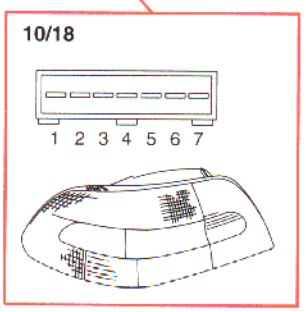


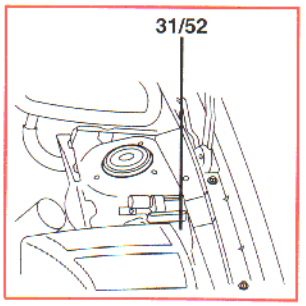


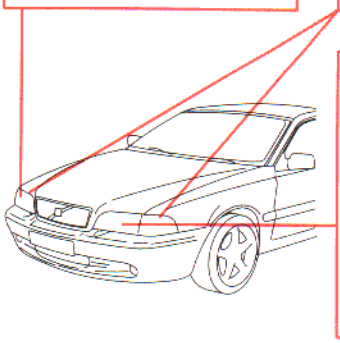


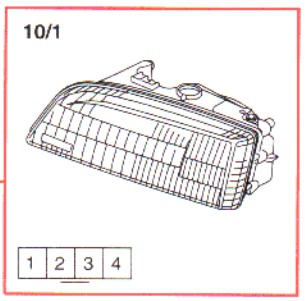


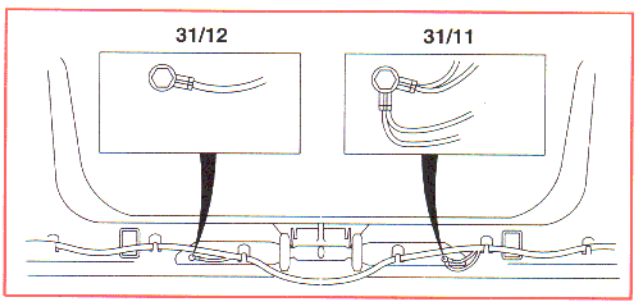




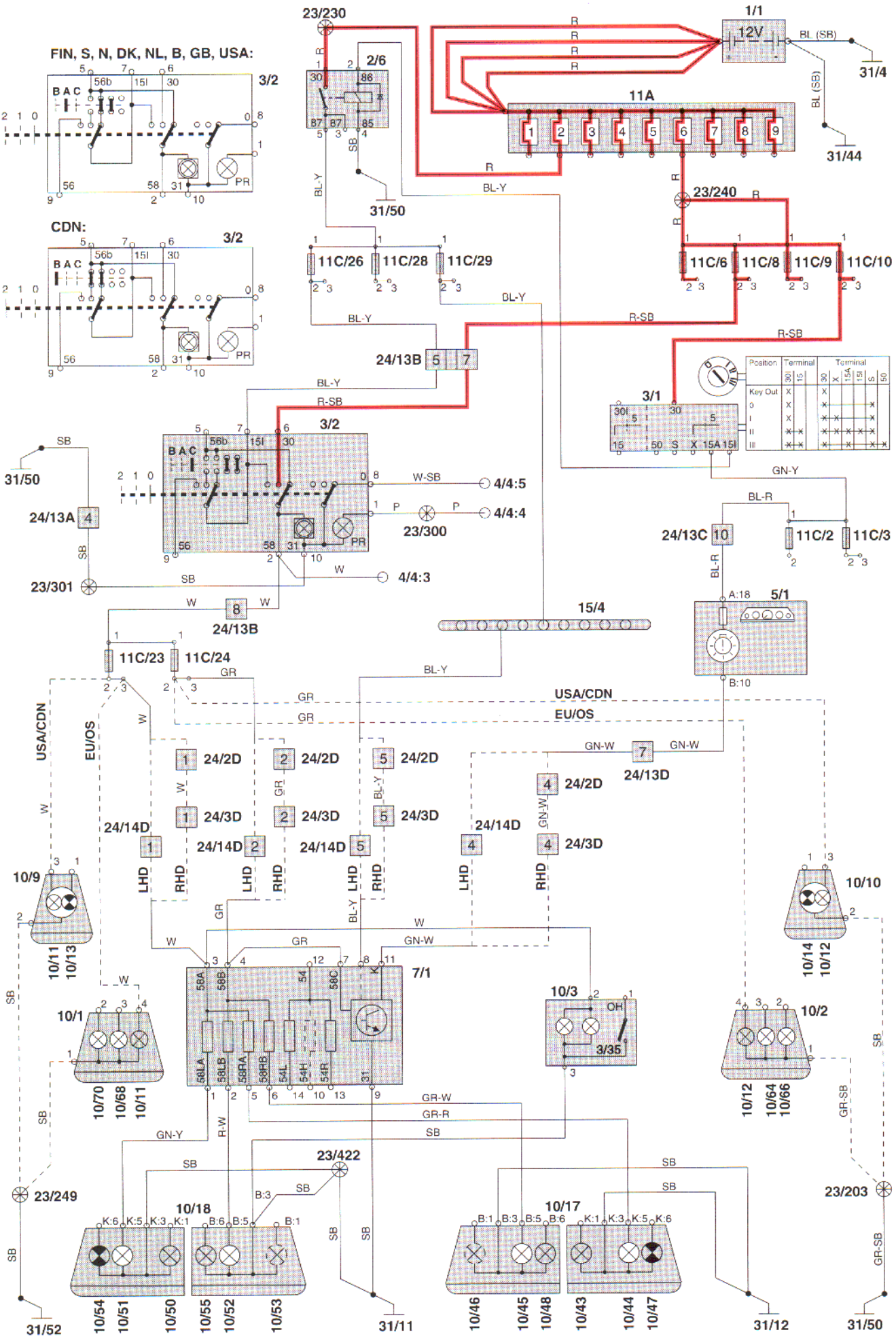




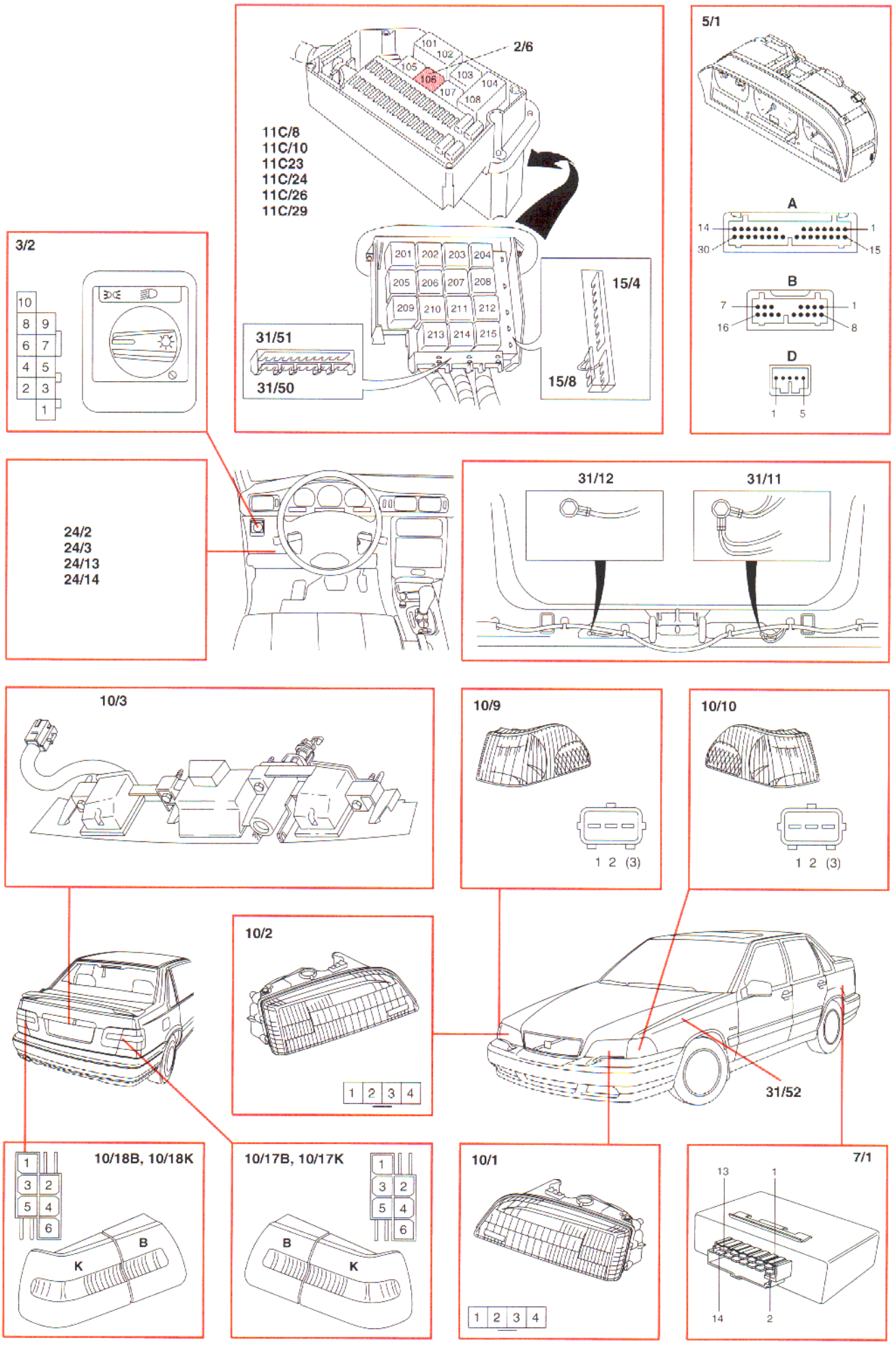




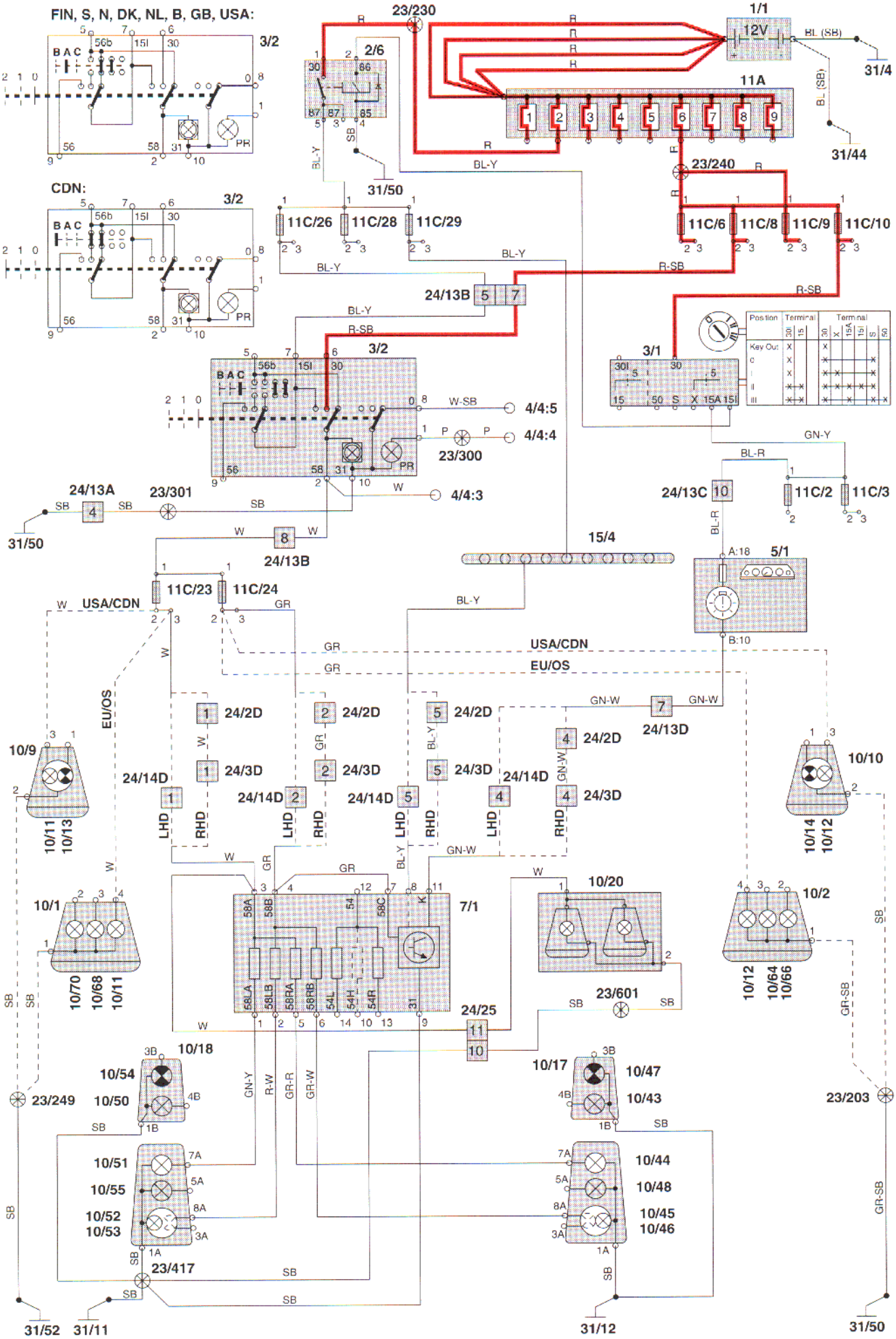
Parking lamps, tail lamps and license (number) plate lighting
S70



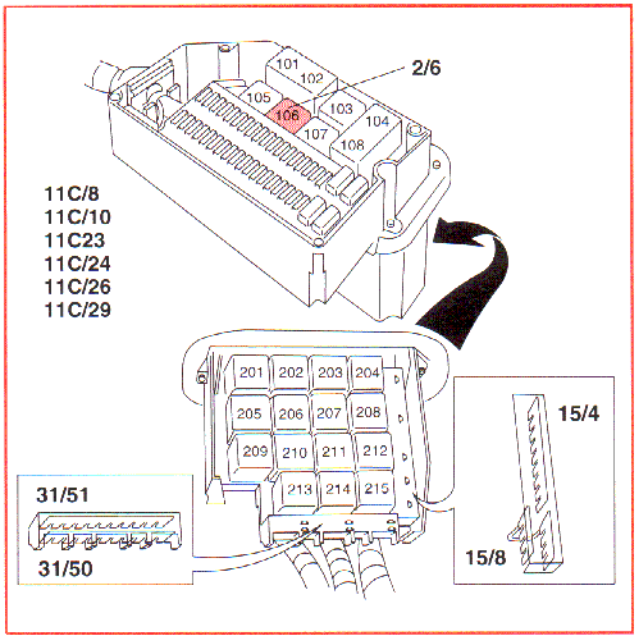
Parking lamps, tail lamps and license (number) plate lighting
S70

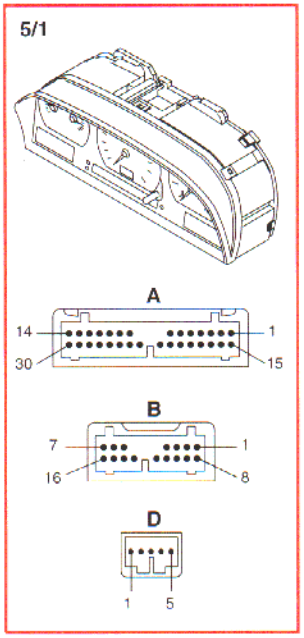


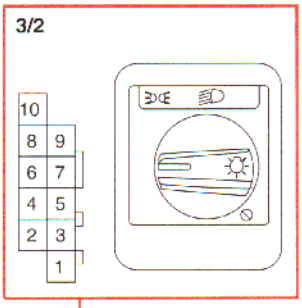
Parking lamps, tail lamps and license (number) plate lighting
V70



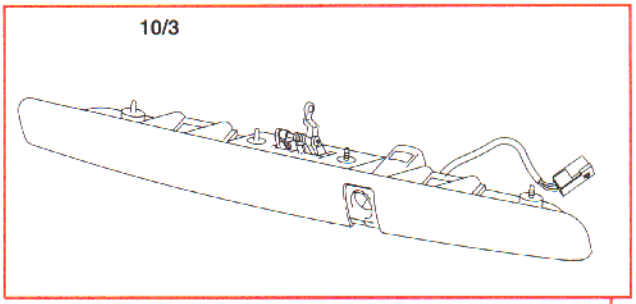
Parking lamps, tail lamps and license (number) plate lighting
V70

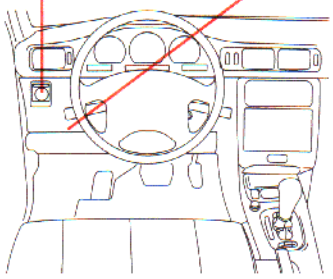


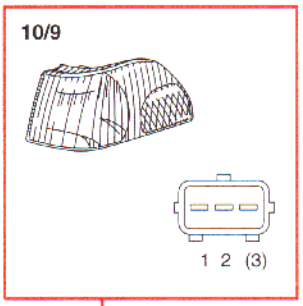


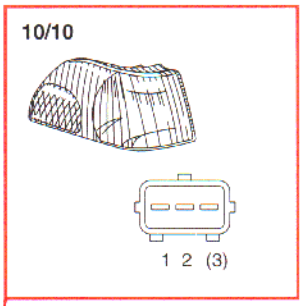


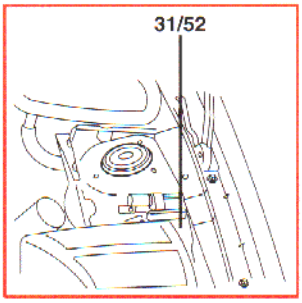
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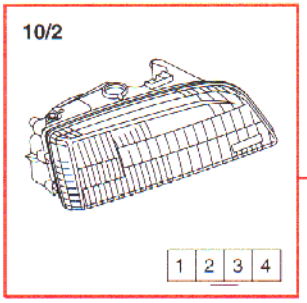


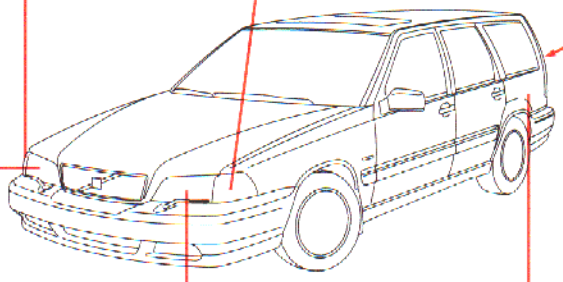


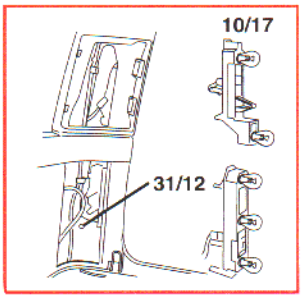


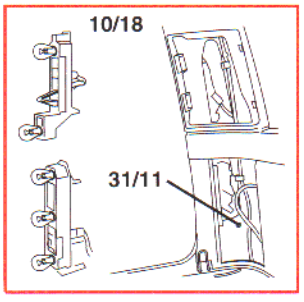


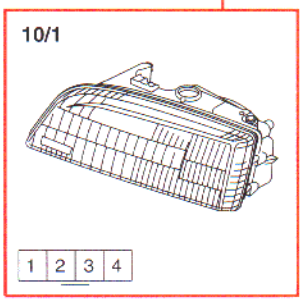


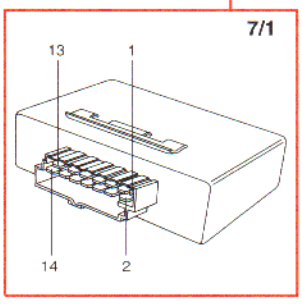




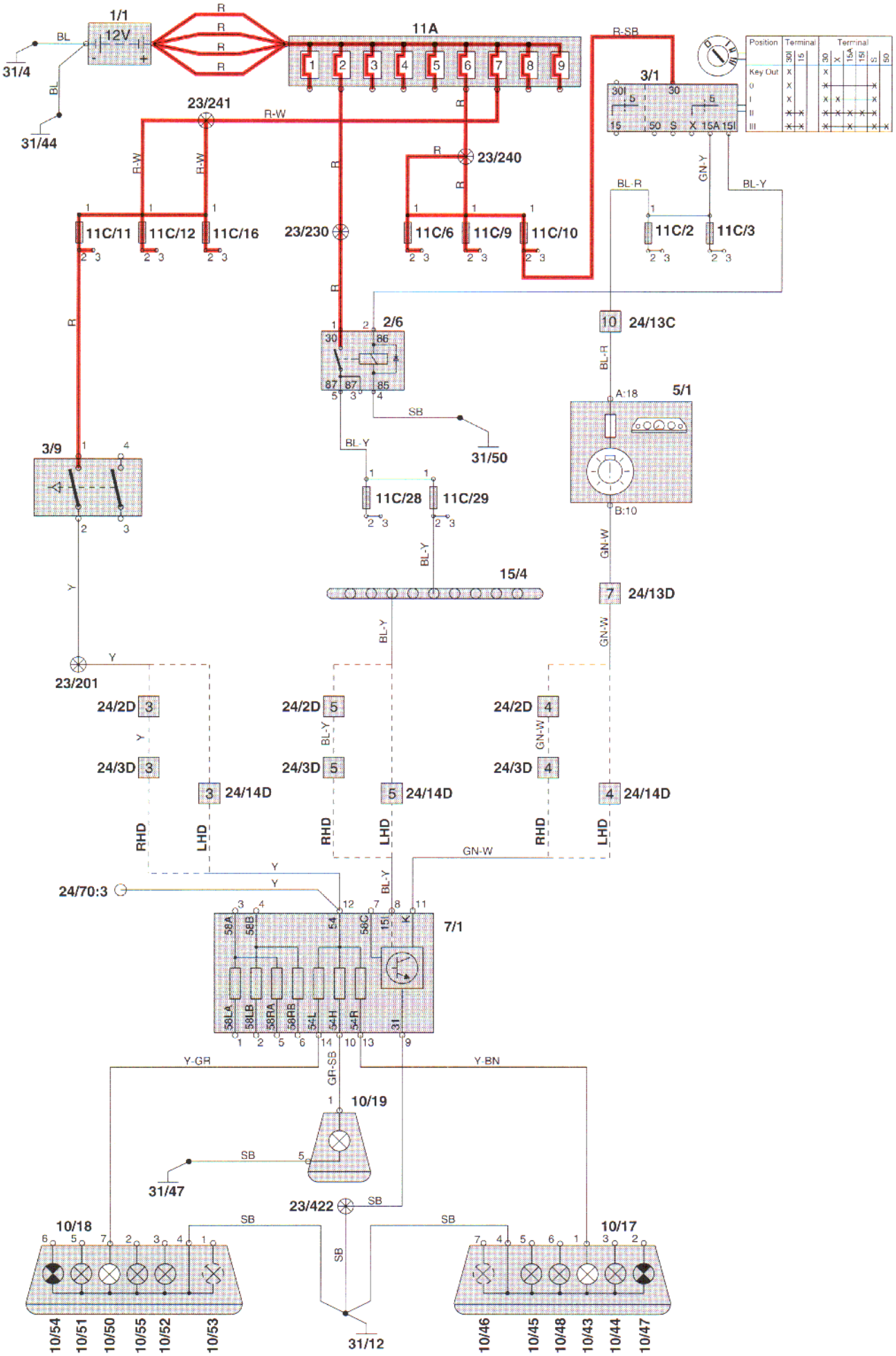


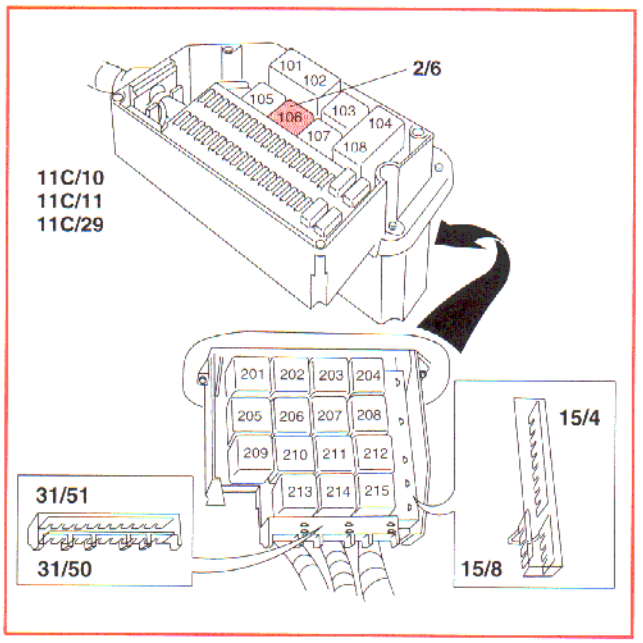


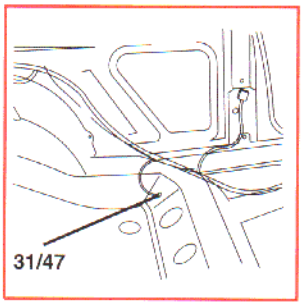


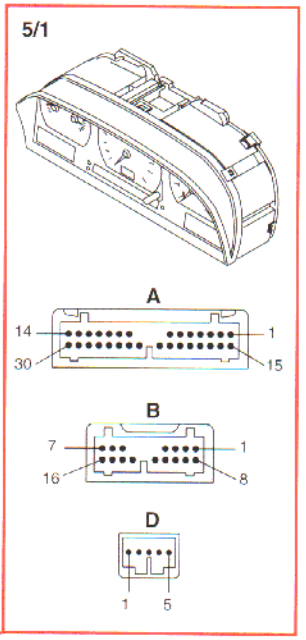


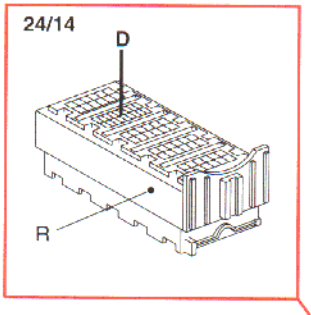
Stop (brake) lamps
C70

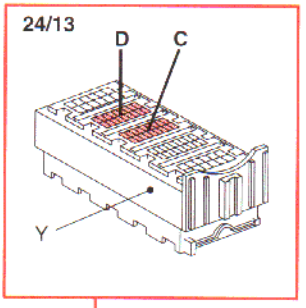


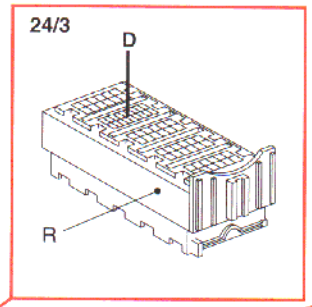

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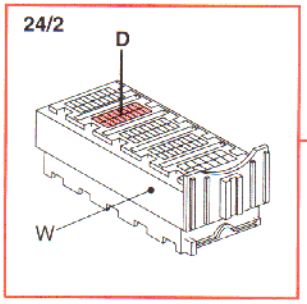

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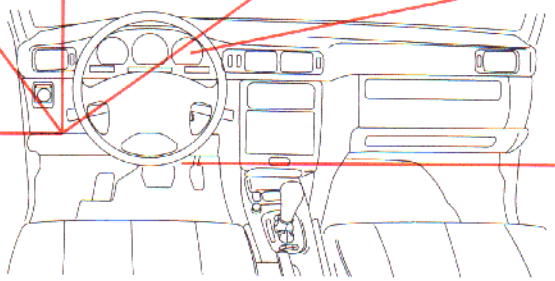

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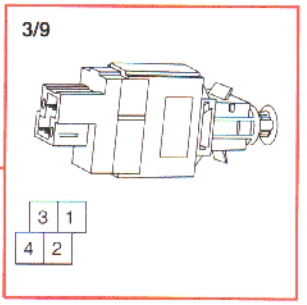

24/14
D
R

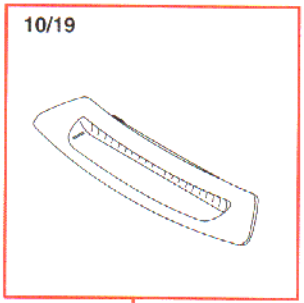

24/13
D
C
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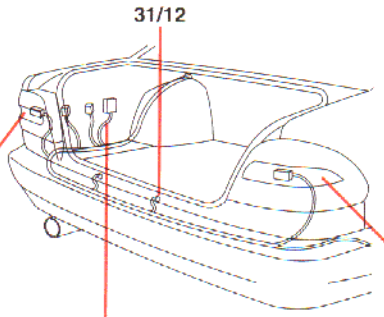

24/3
D
R

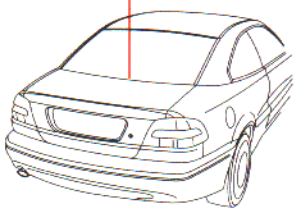

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D
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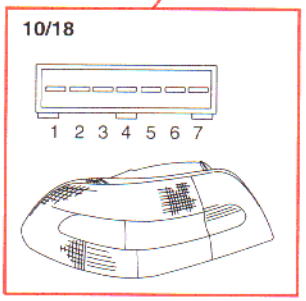


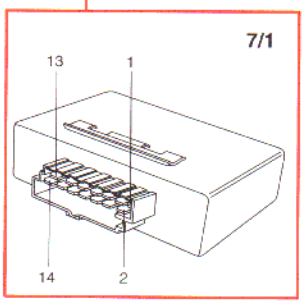

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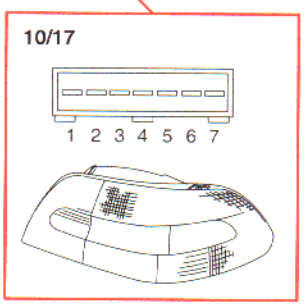

10/19


31/12

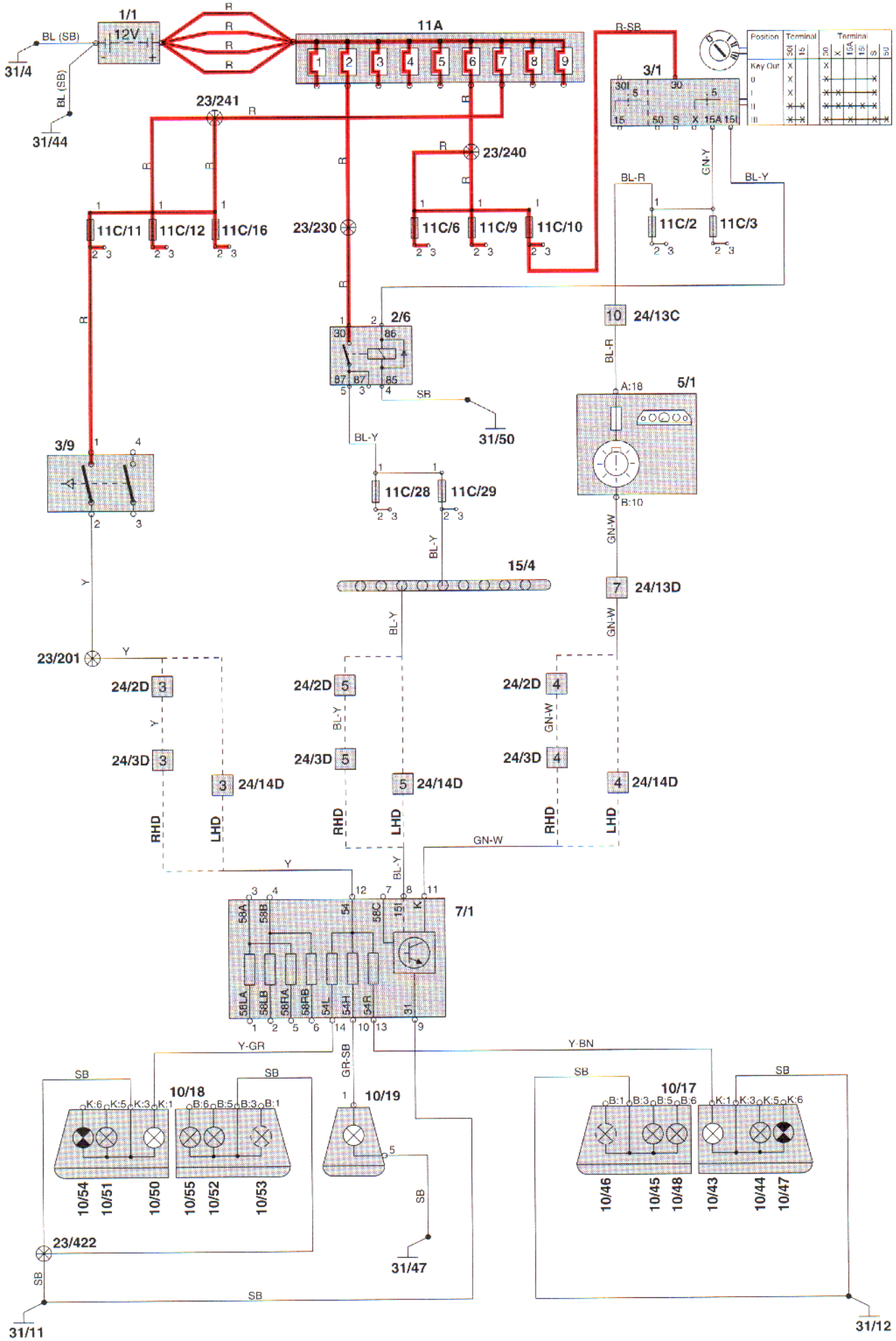



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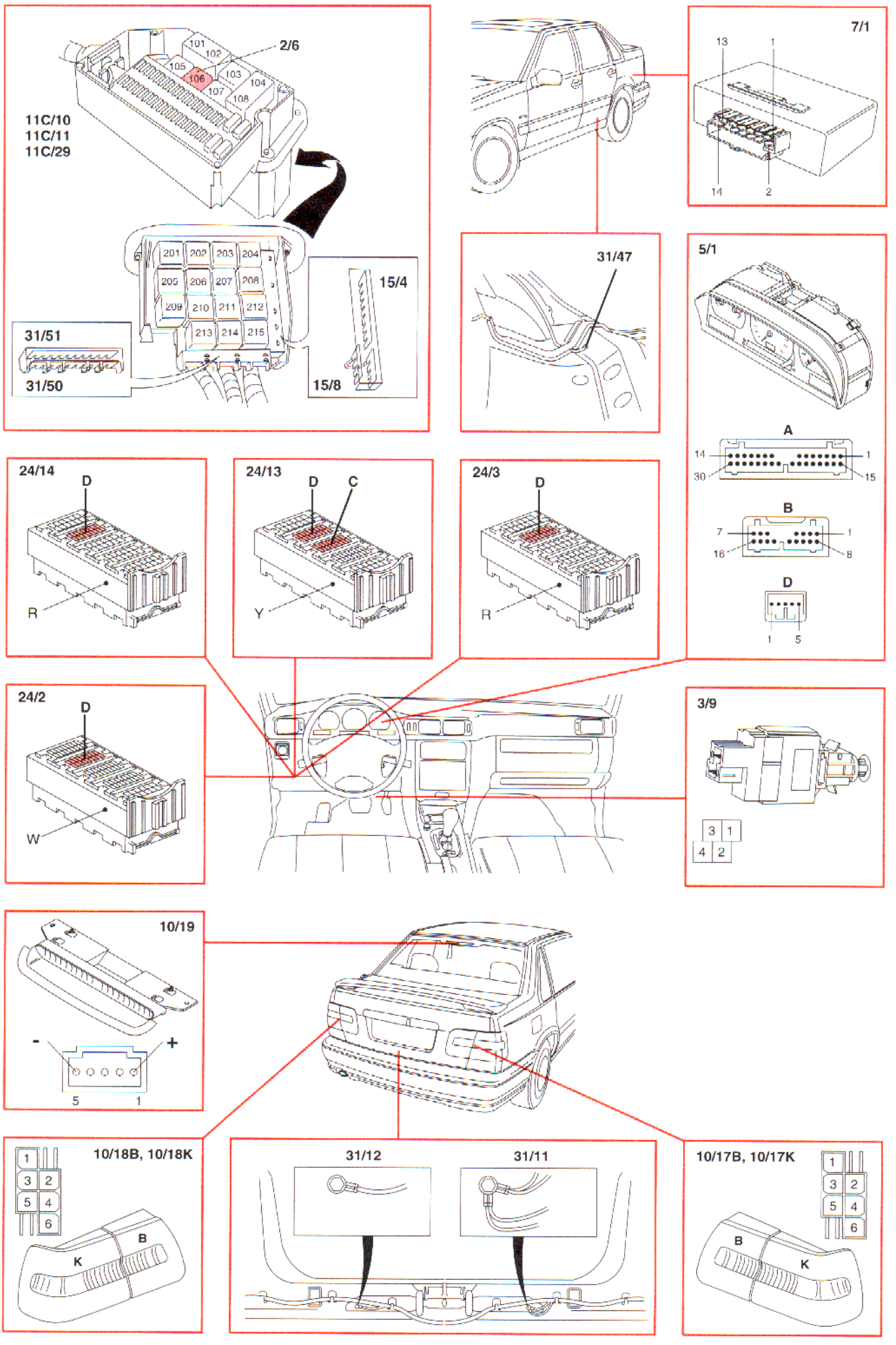

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10/17
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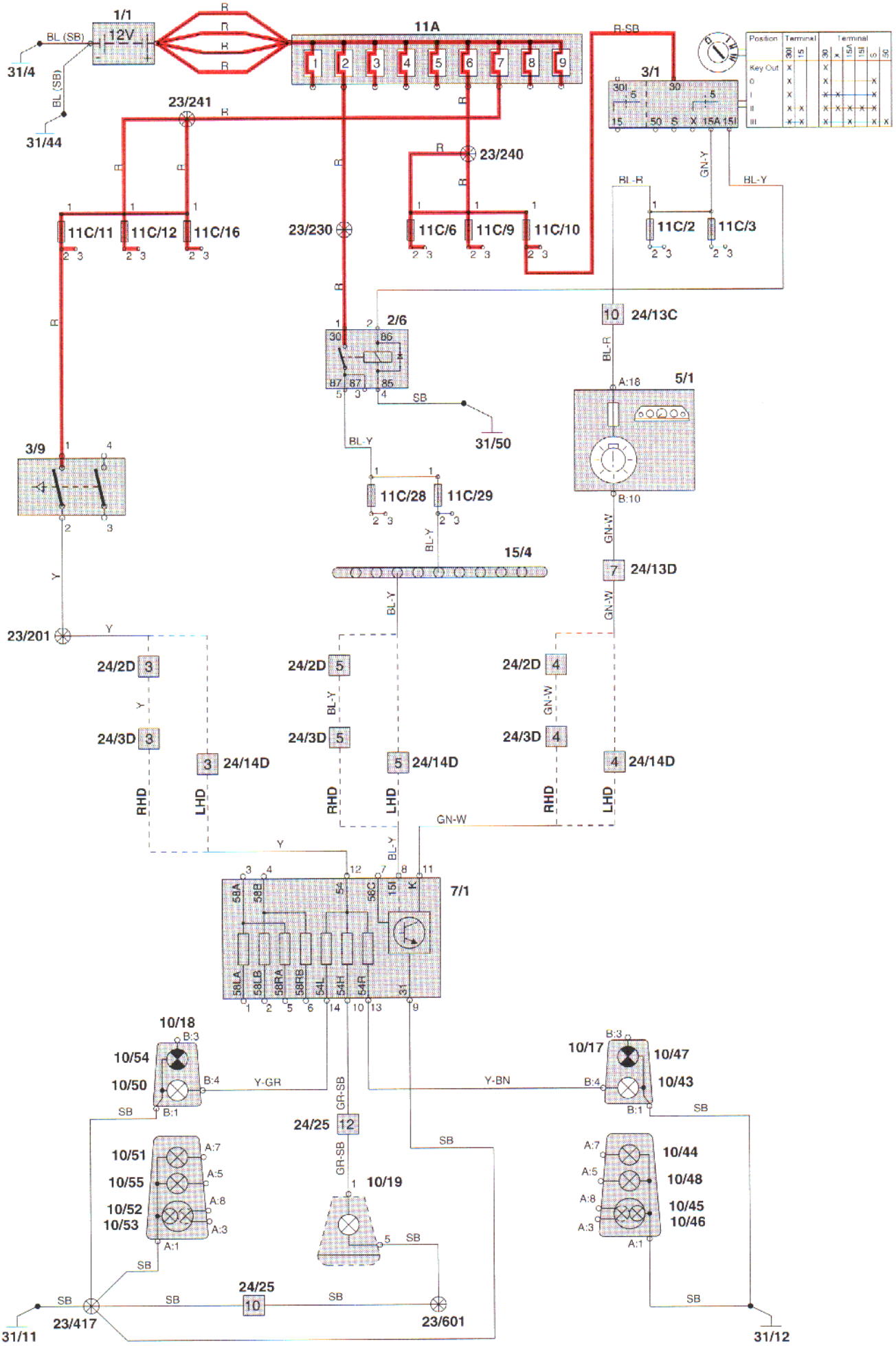
Stop (brake) lamps
S70

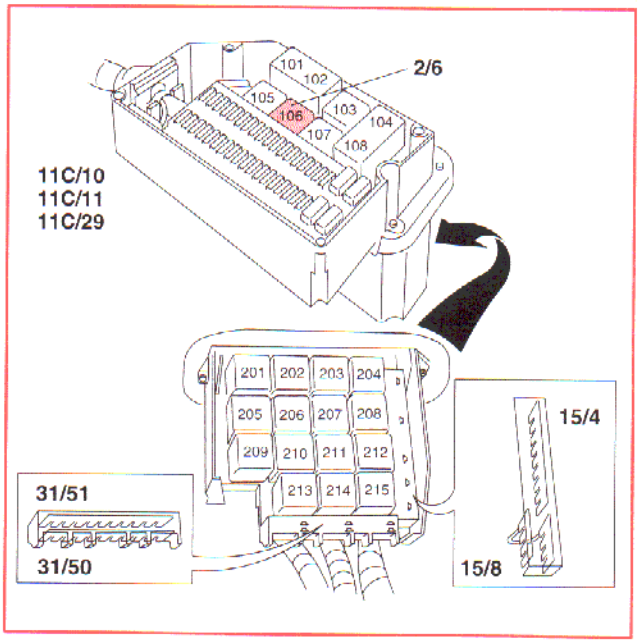


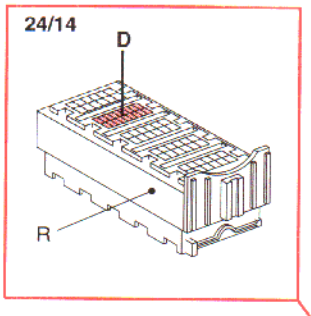
Stop (brake) lamps
S70

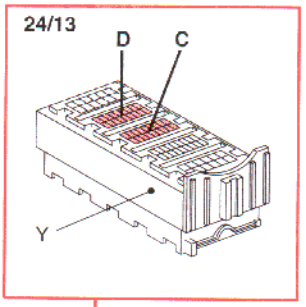


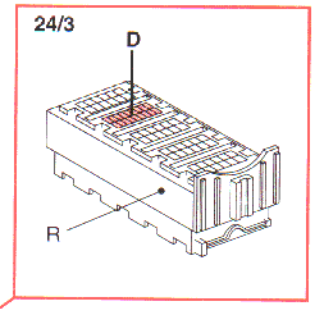
Stop (brake) lamps
V70

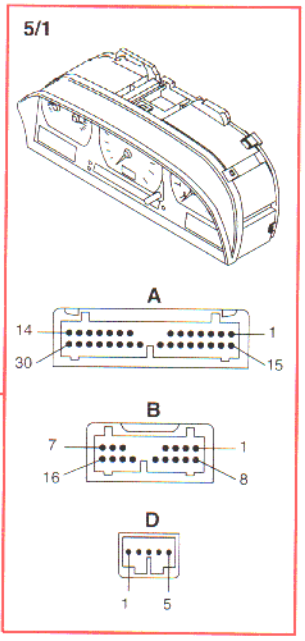


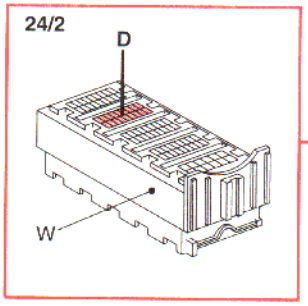

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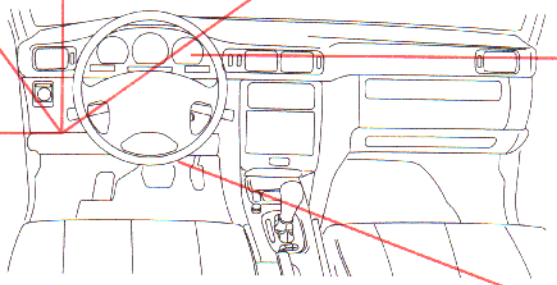

24/14
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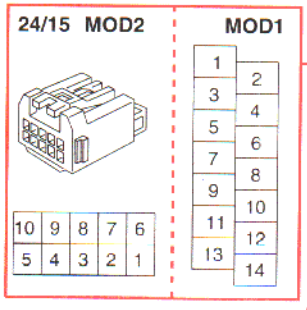

24/13
D
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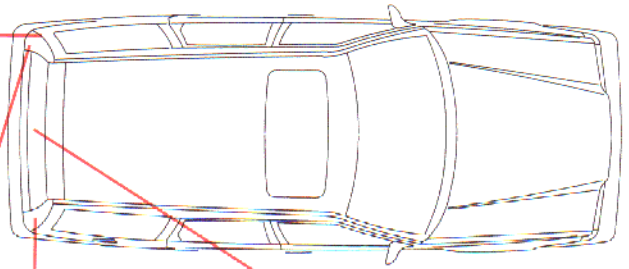

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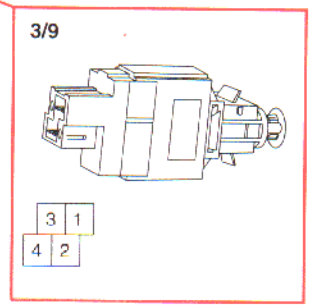

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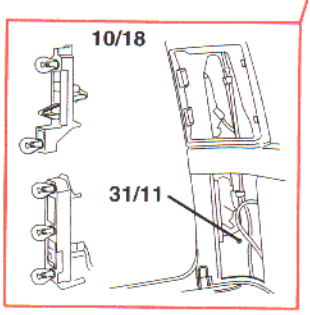

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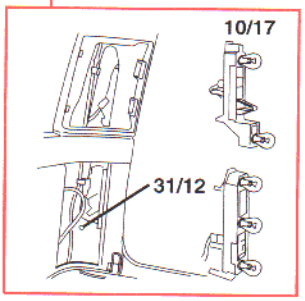


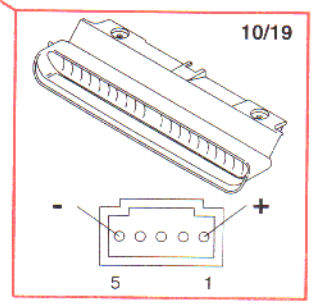

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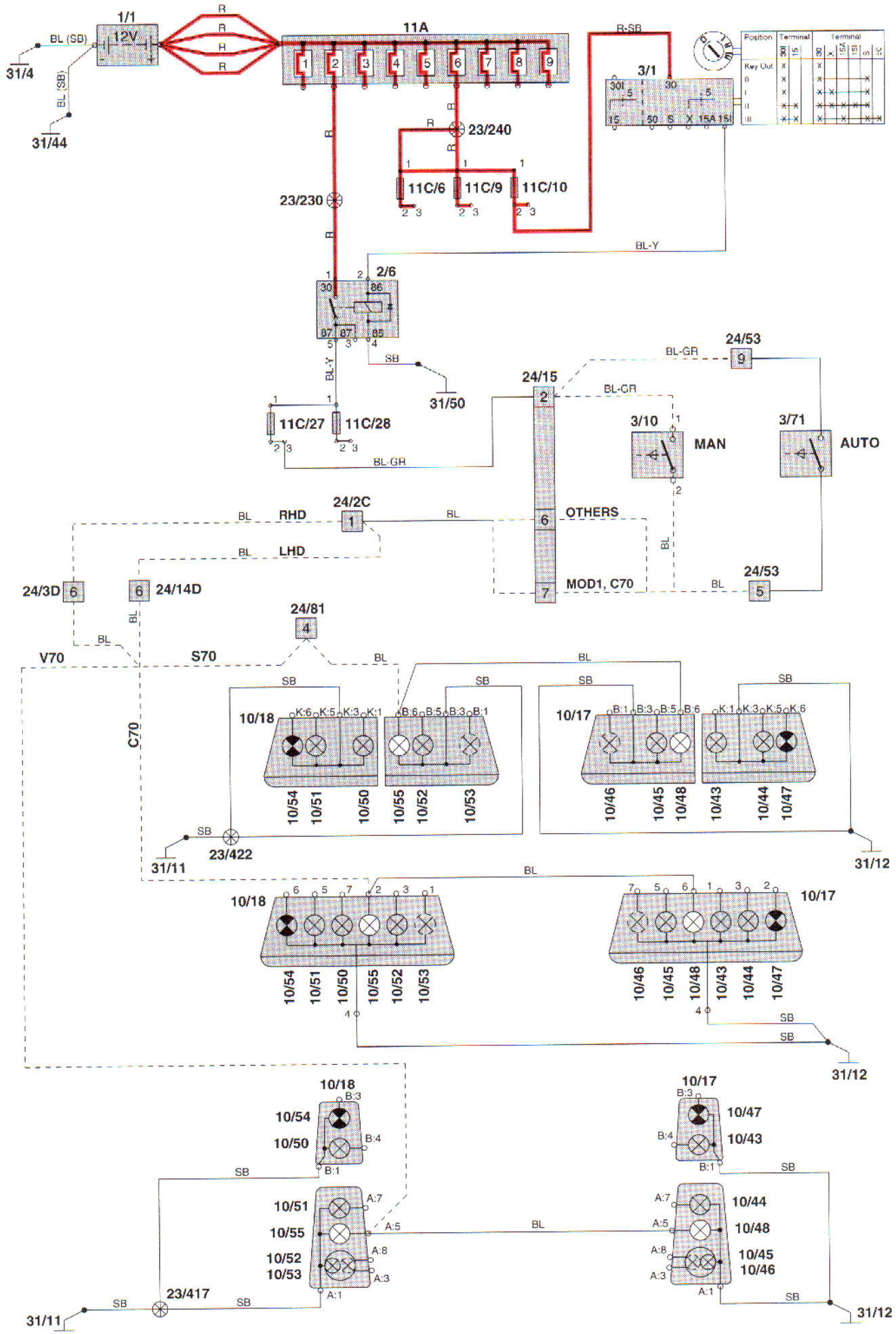

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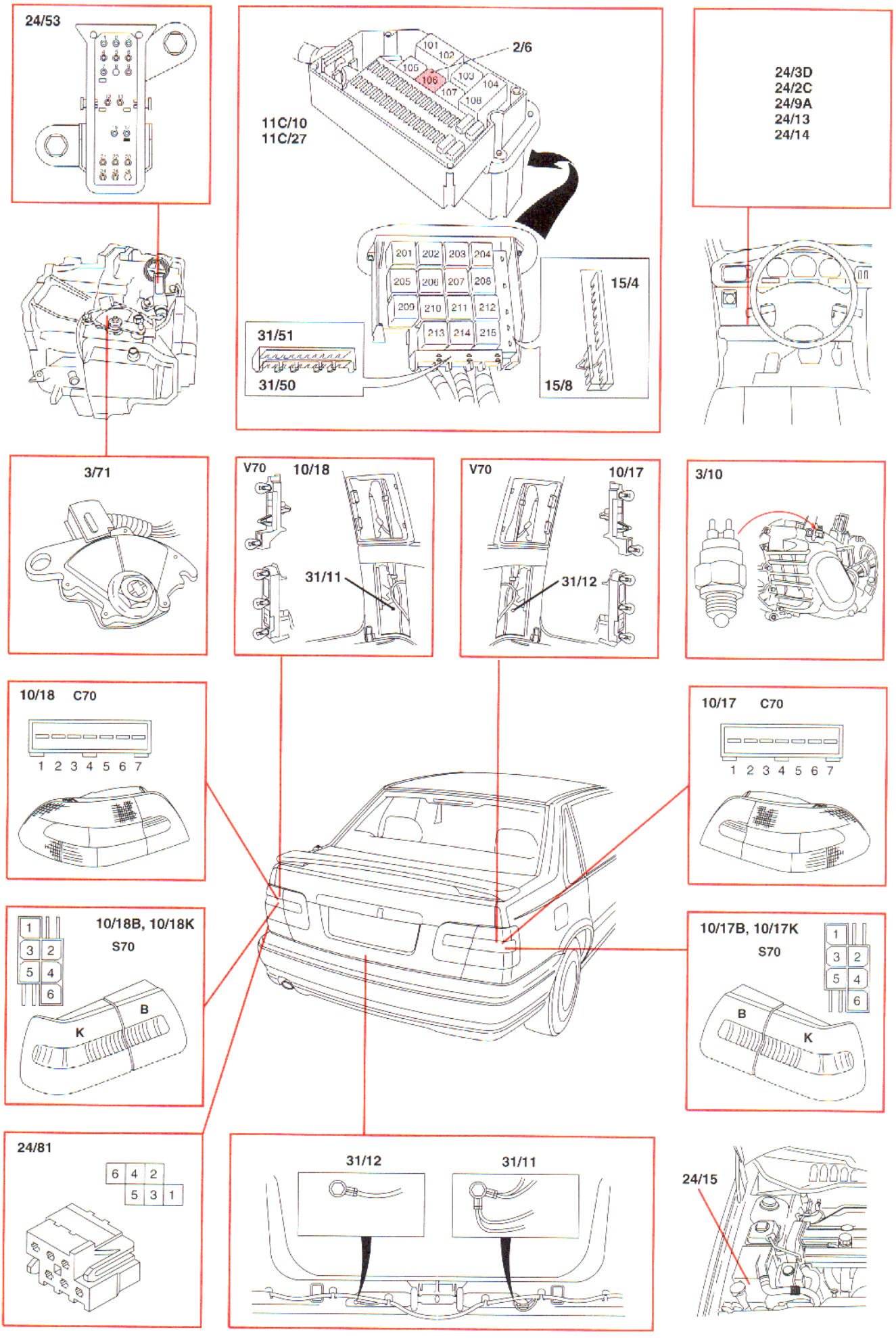

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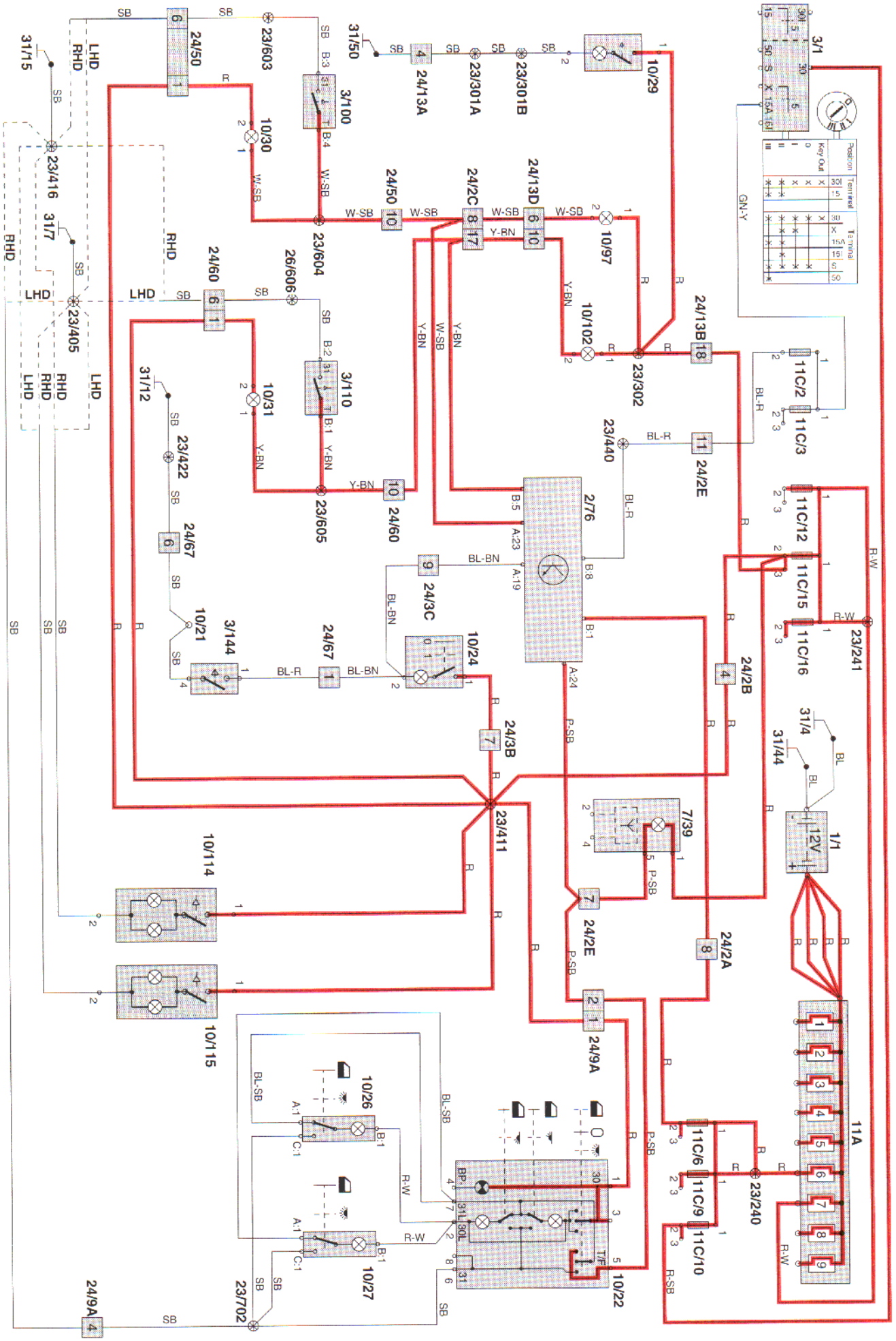

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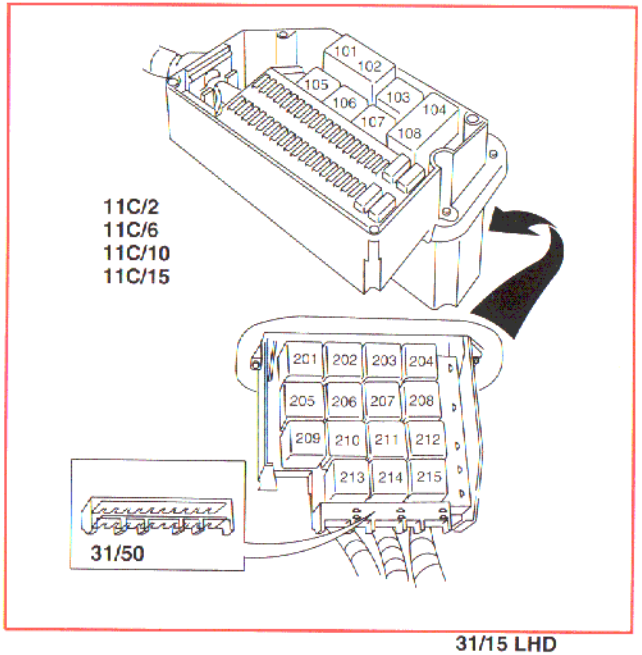
Back-up (reversing) lamps

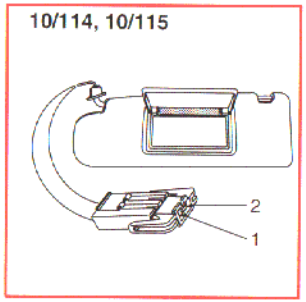


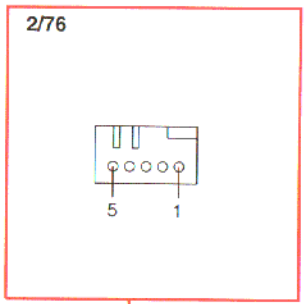

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V70
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10/18 C70
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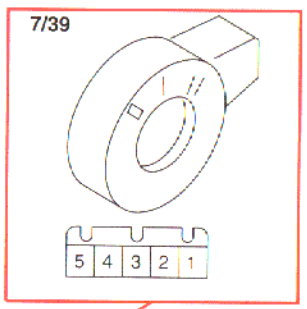
Courtesy lighting
C70

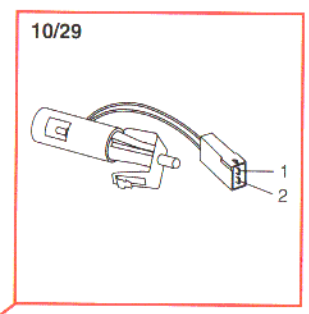


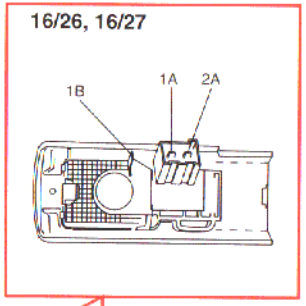

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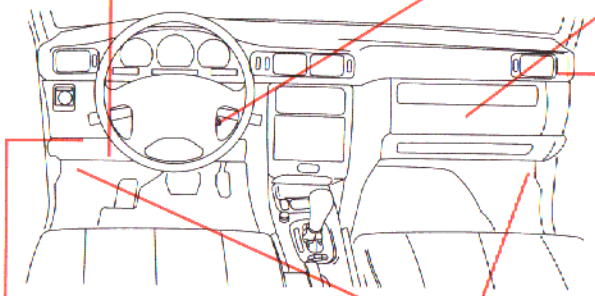

10/114, 10/115
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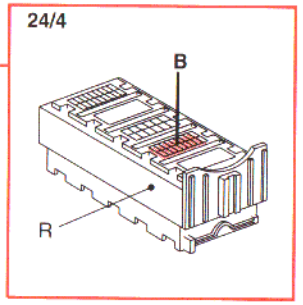

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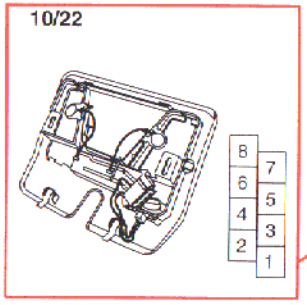

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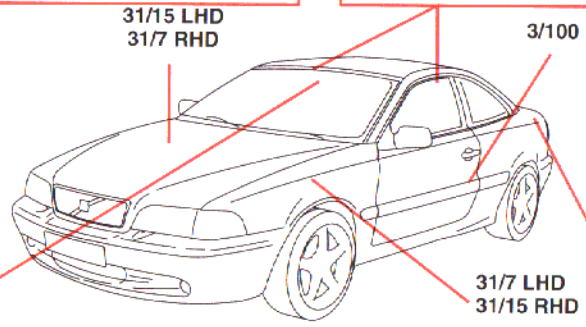

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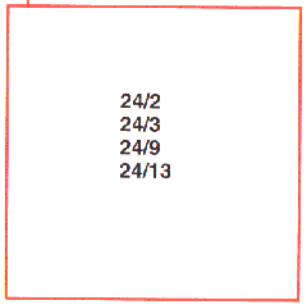

16/26, 16/27
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1A
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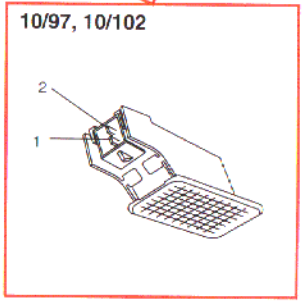


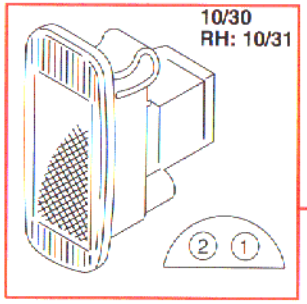

24/4
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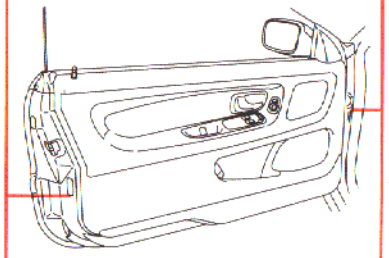

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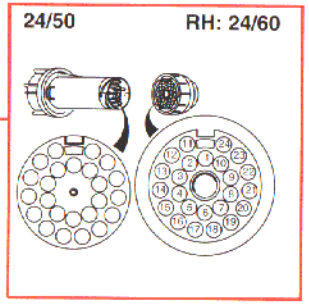

31/15 LHD
31/7 RHD
3/100
31/7 LHD
31/15 RHD

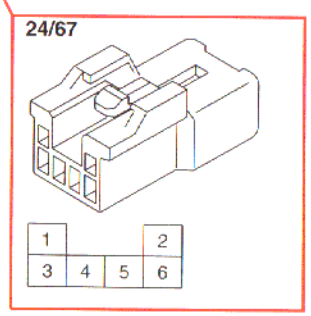

24/2
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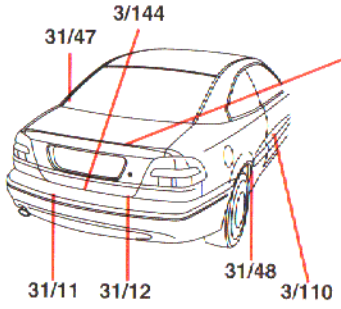

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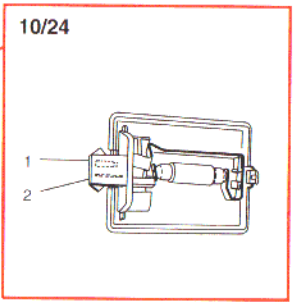

10/30
RH: 10/31
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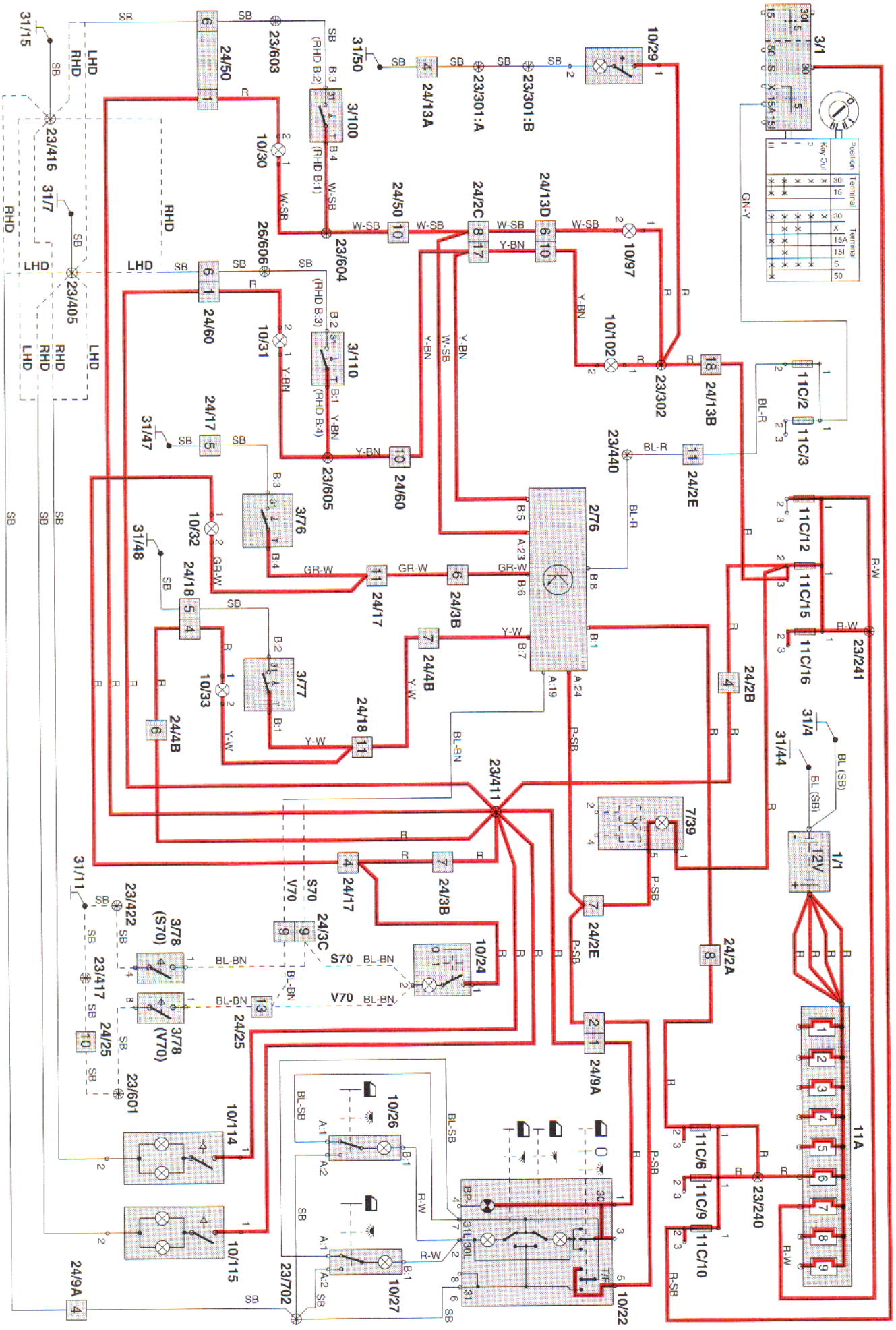

24/50
RH: 24/60

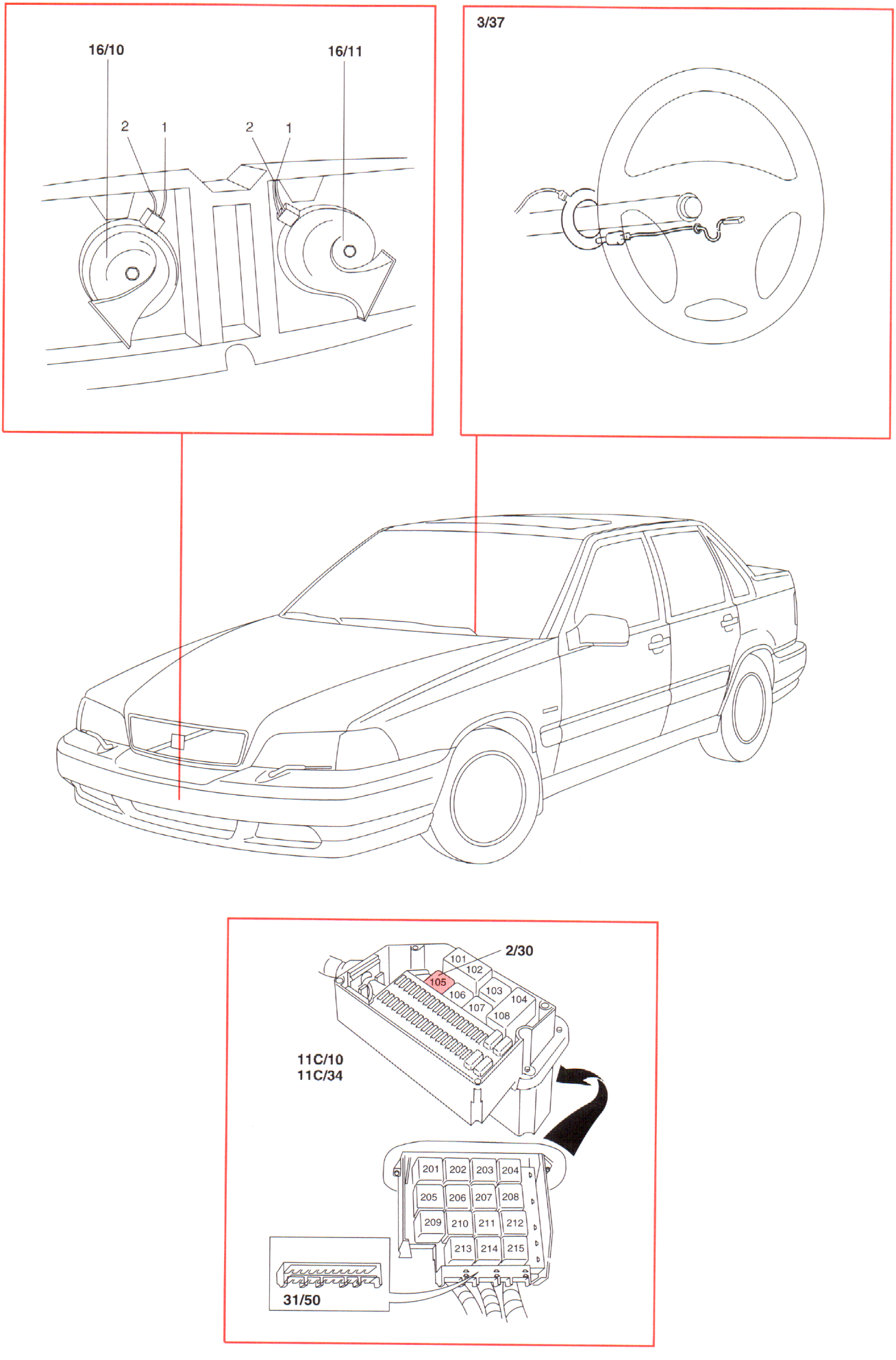

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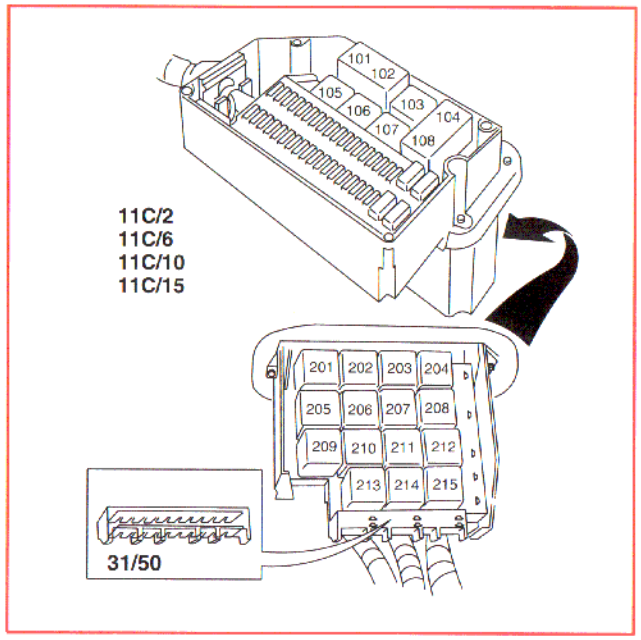

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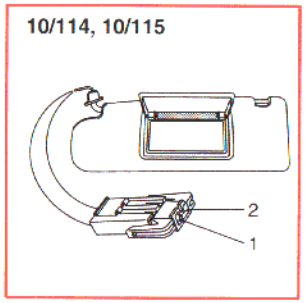

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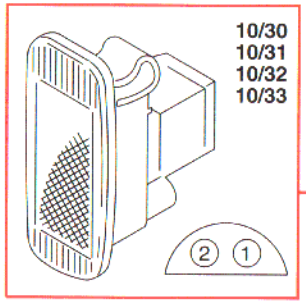
Courtesy lighting
S70/V70

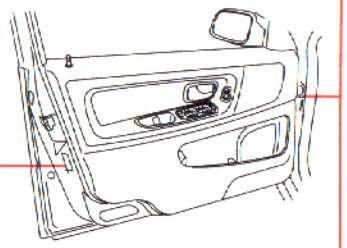


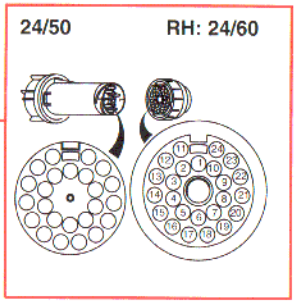

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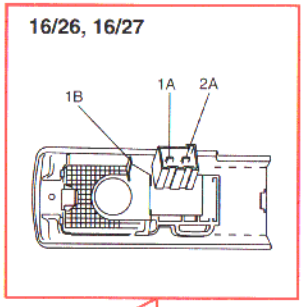

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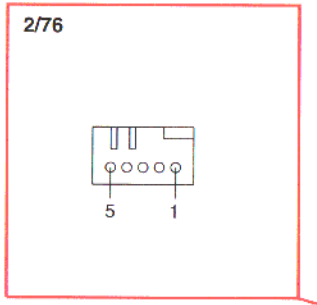

10/114, 10/115
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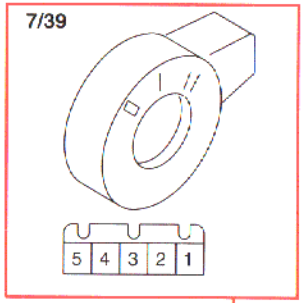

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10/33
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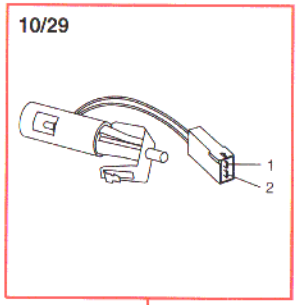


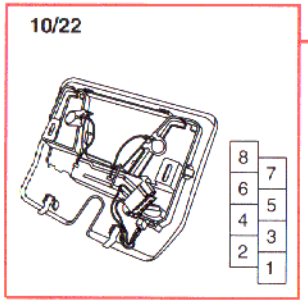

24/50
RH: 24/60

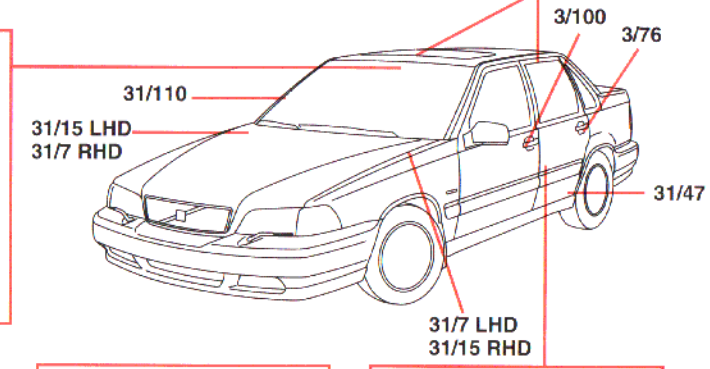

16/26, 16/27
1B
1A
2A

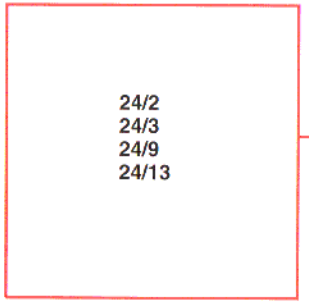

2/76
5
1

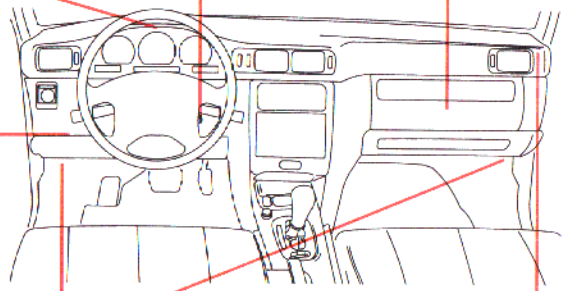

7/39
5
4
3
2
1

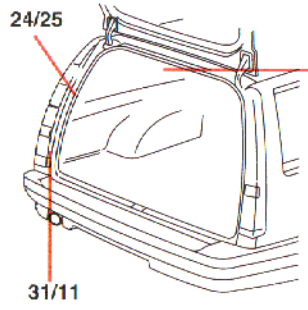

10/29
1
2

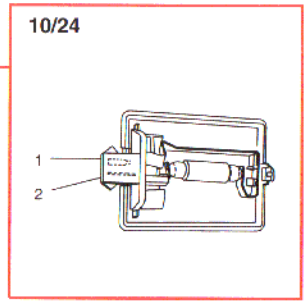

10/22
8
7
6
5
4
3
2
1

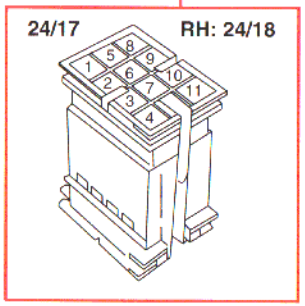

3/100
3/76
31/110
31/15 LHD
31/7 RHD
31/47
31/7 LHD
31/15 RHD

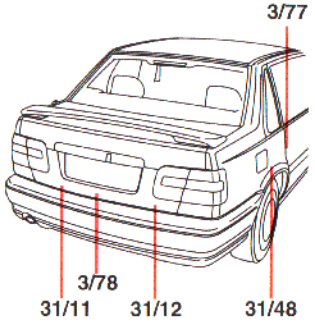

24/2
24/3
24/9
24/13

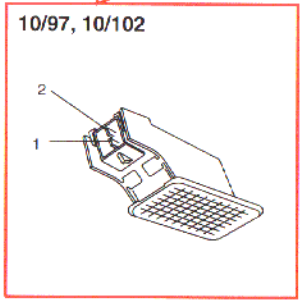


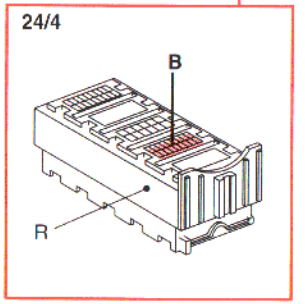

24/25
31/11


10/24
1
2

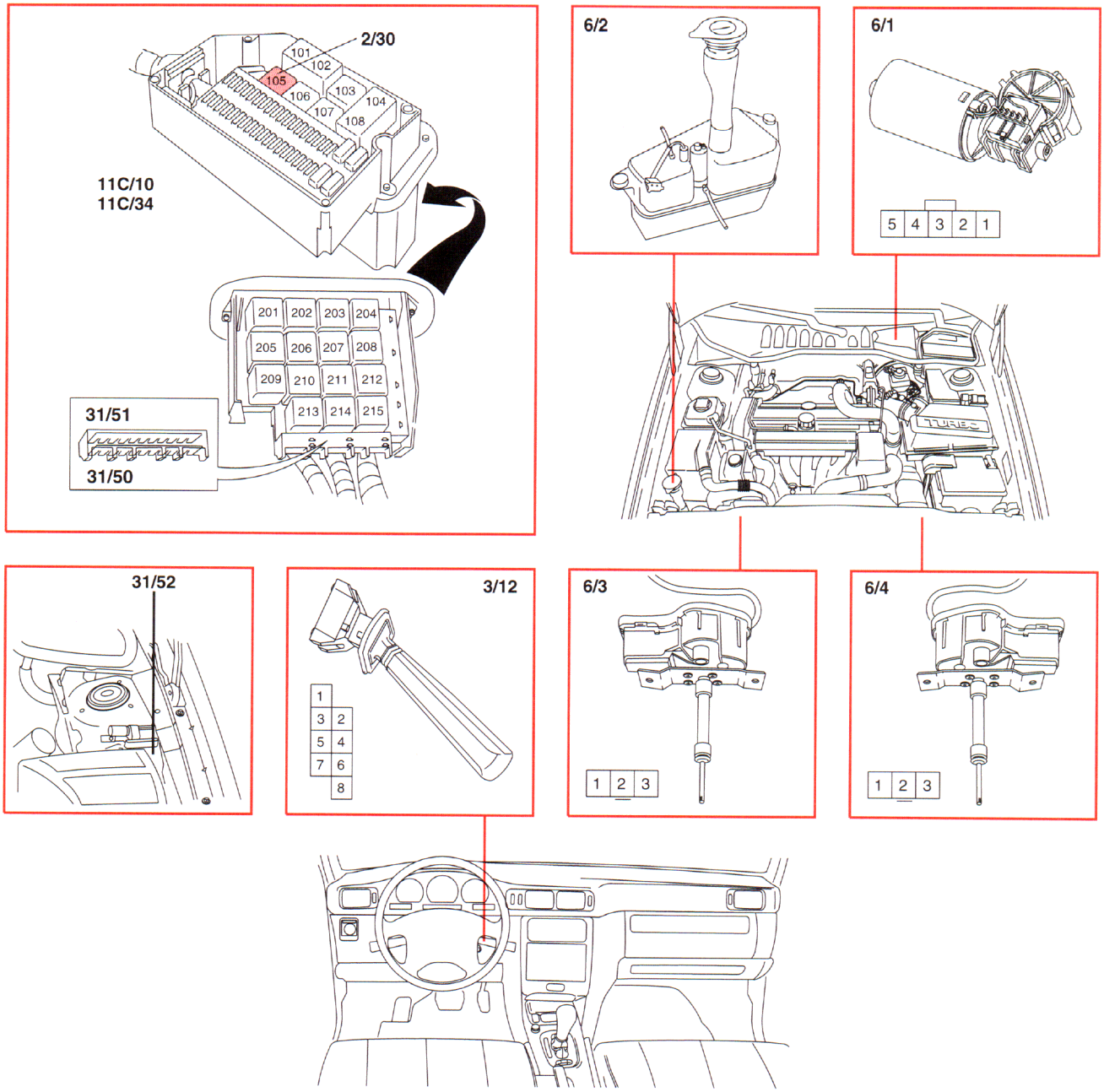

24/17
RH: 24/18
1
5
8
9
2
6
7
10
11
3
4


3/77
3/78
31/11
31/12
31/48

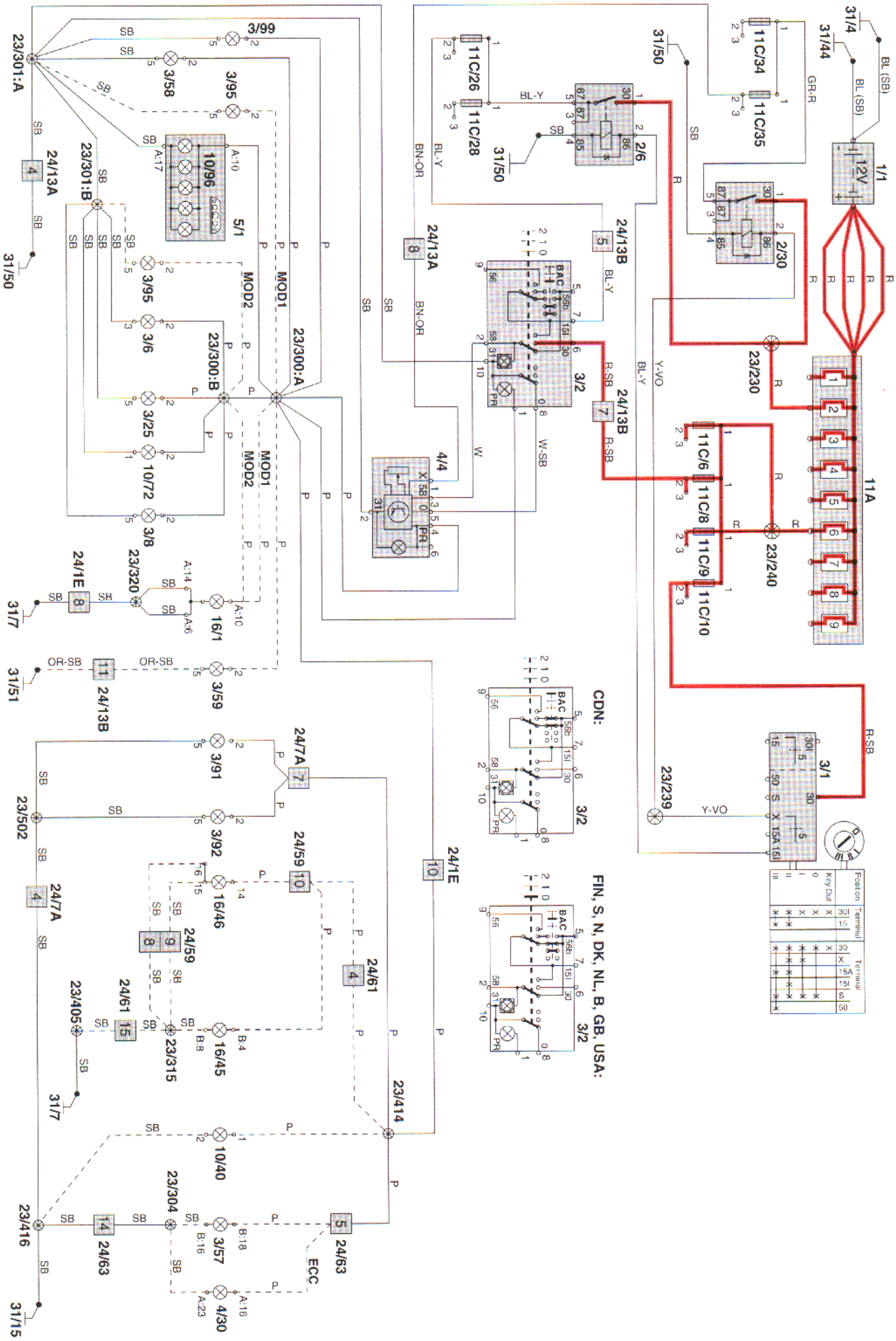

10/97, 10/102
2
1

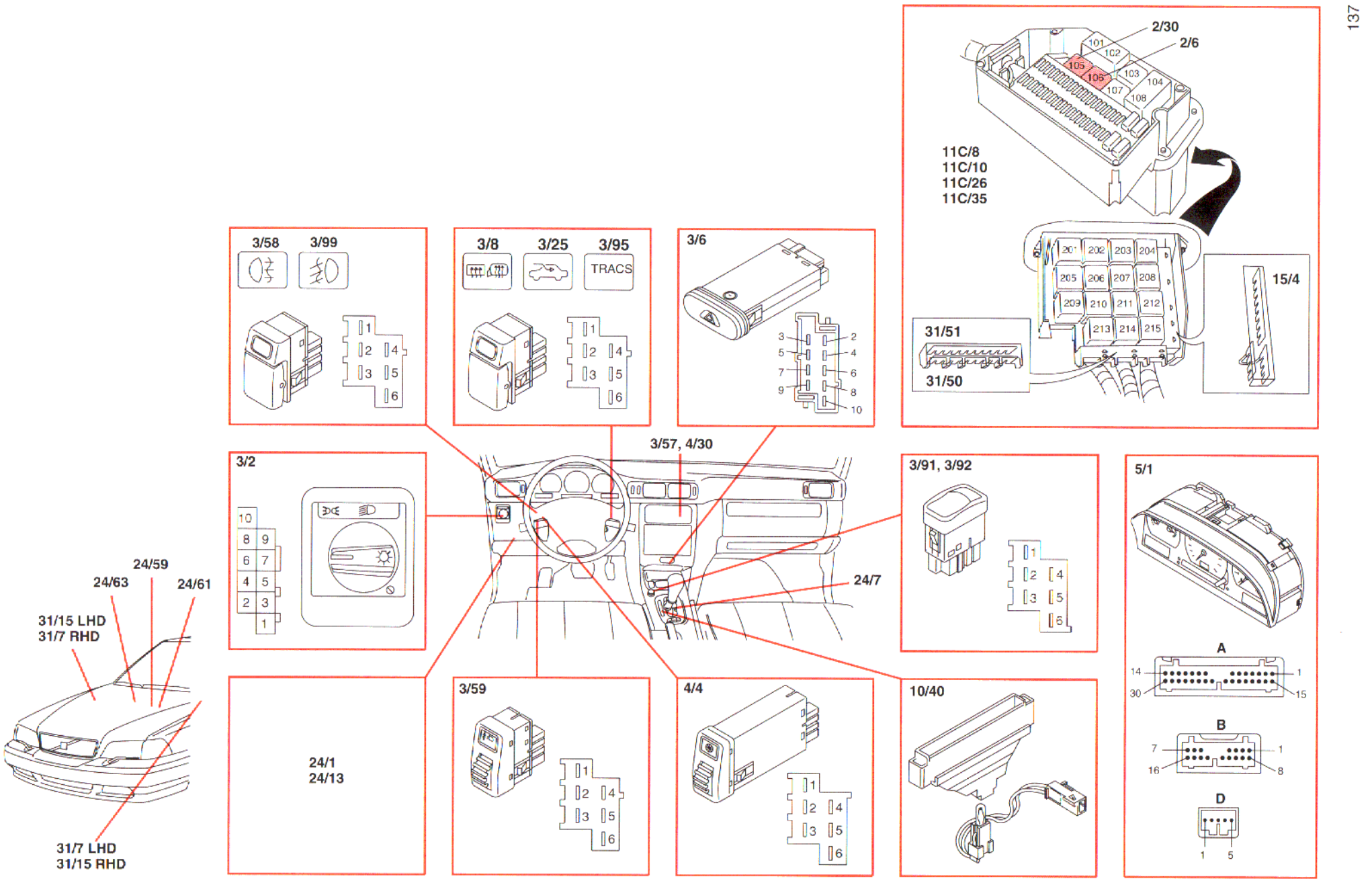

24/4
B
R

Washer
windshield and headlamp



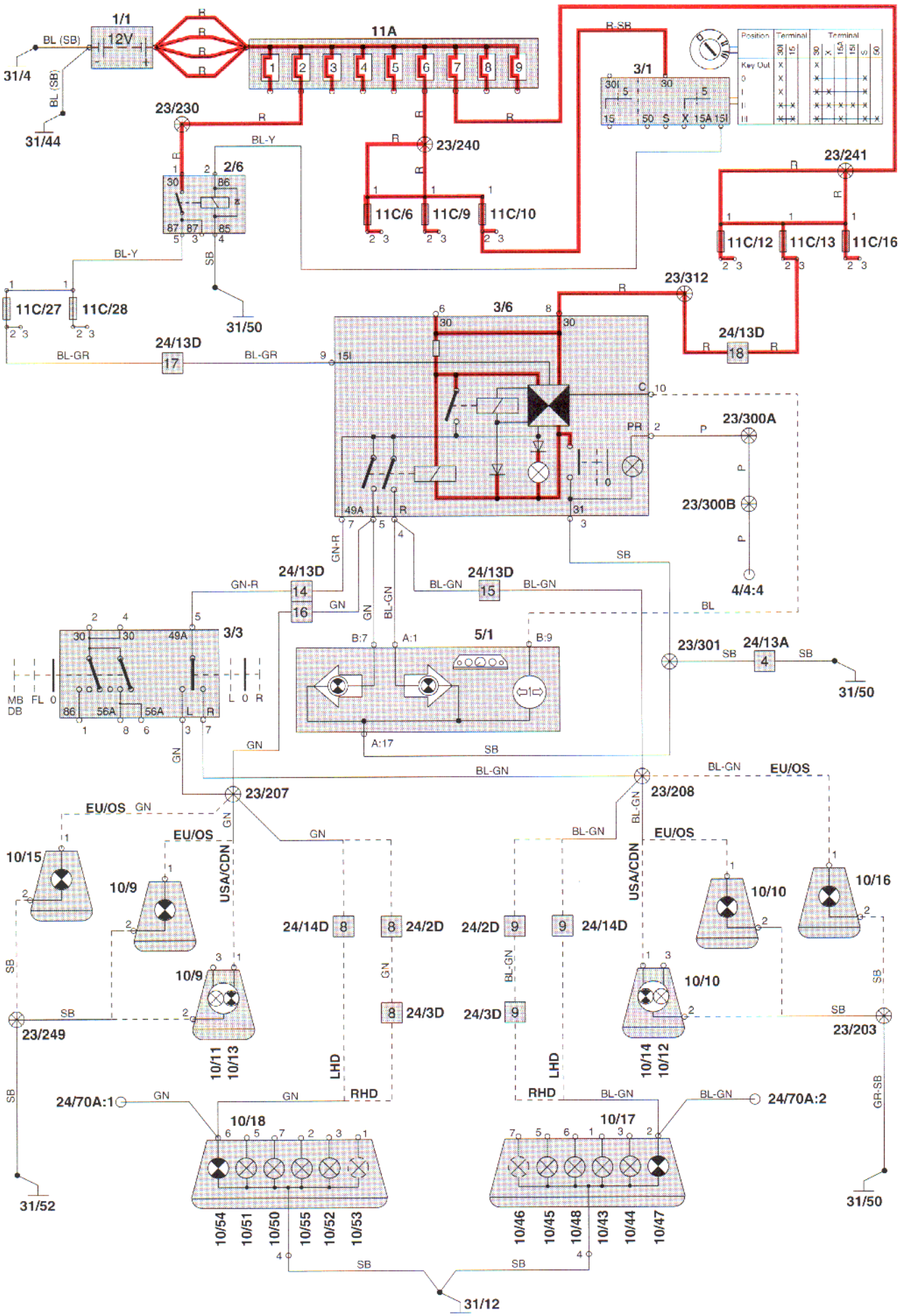
Instrument and control lighting



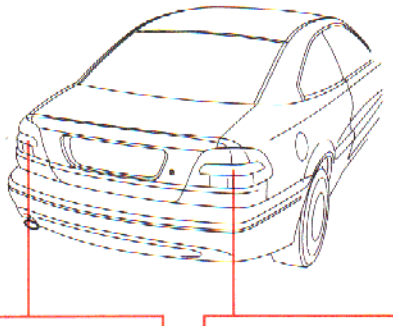

2/30
2/6
11C/8
11C/10
11C/26
11C/35
15/4
31/51
31/50
3/58
3/99
3/8
3/25
3/95
TRACS
3/6
3/2
3/57, 4/30
24/7
3/91, 3/92
5/1
A
B
D
24/1
24/13
3/59
4/4
10/40
24/59
24/63
24/61
31/15 LHD
31/7 RHD
31/7 LHD
31/15 RHD

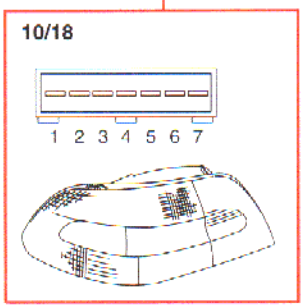
Turn signal lamp and hazard warning signal flasher
C70

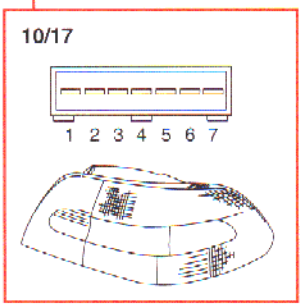
For function diagram see Page 266.

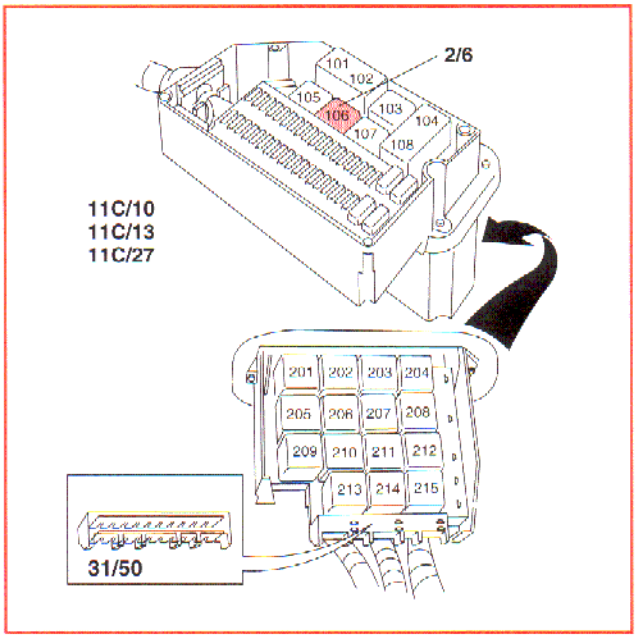


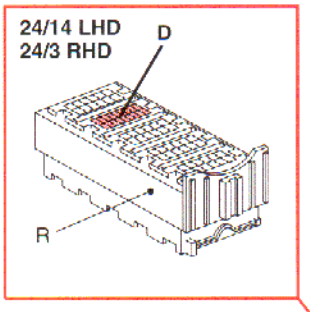
Turn signal lamp and hazard warning signal flasher
C70

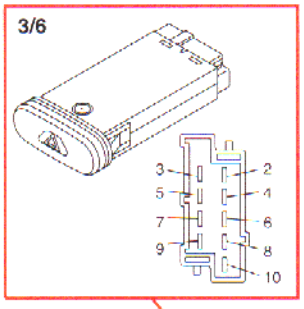


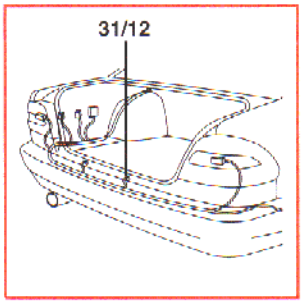


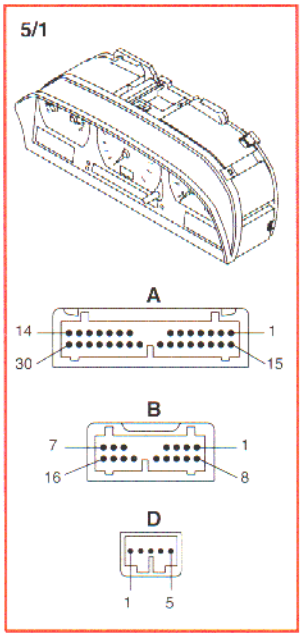


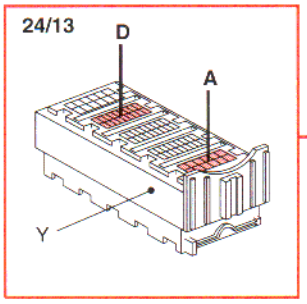


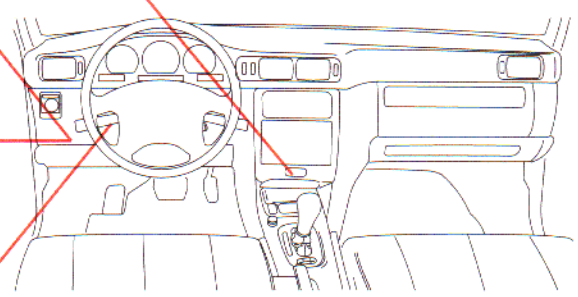


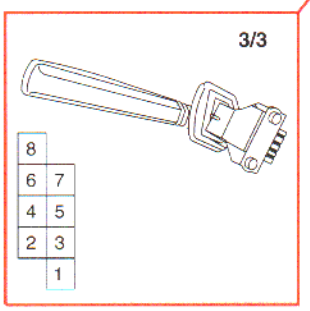


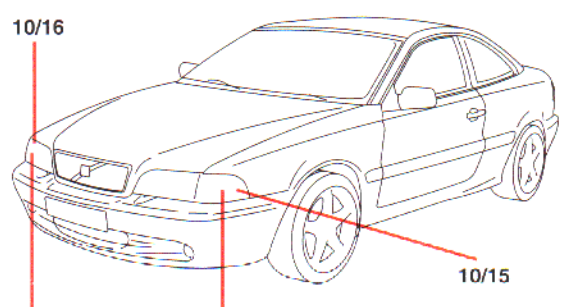


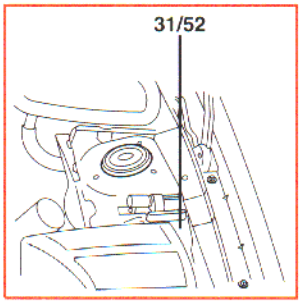


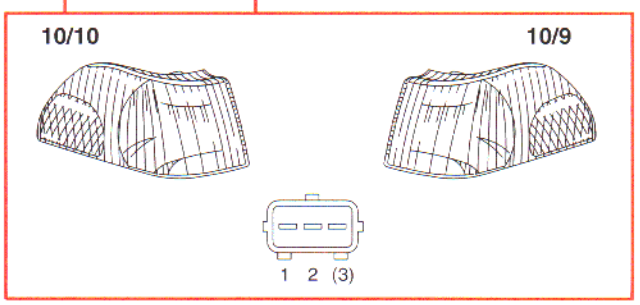






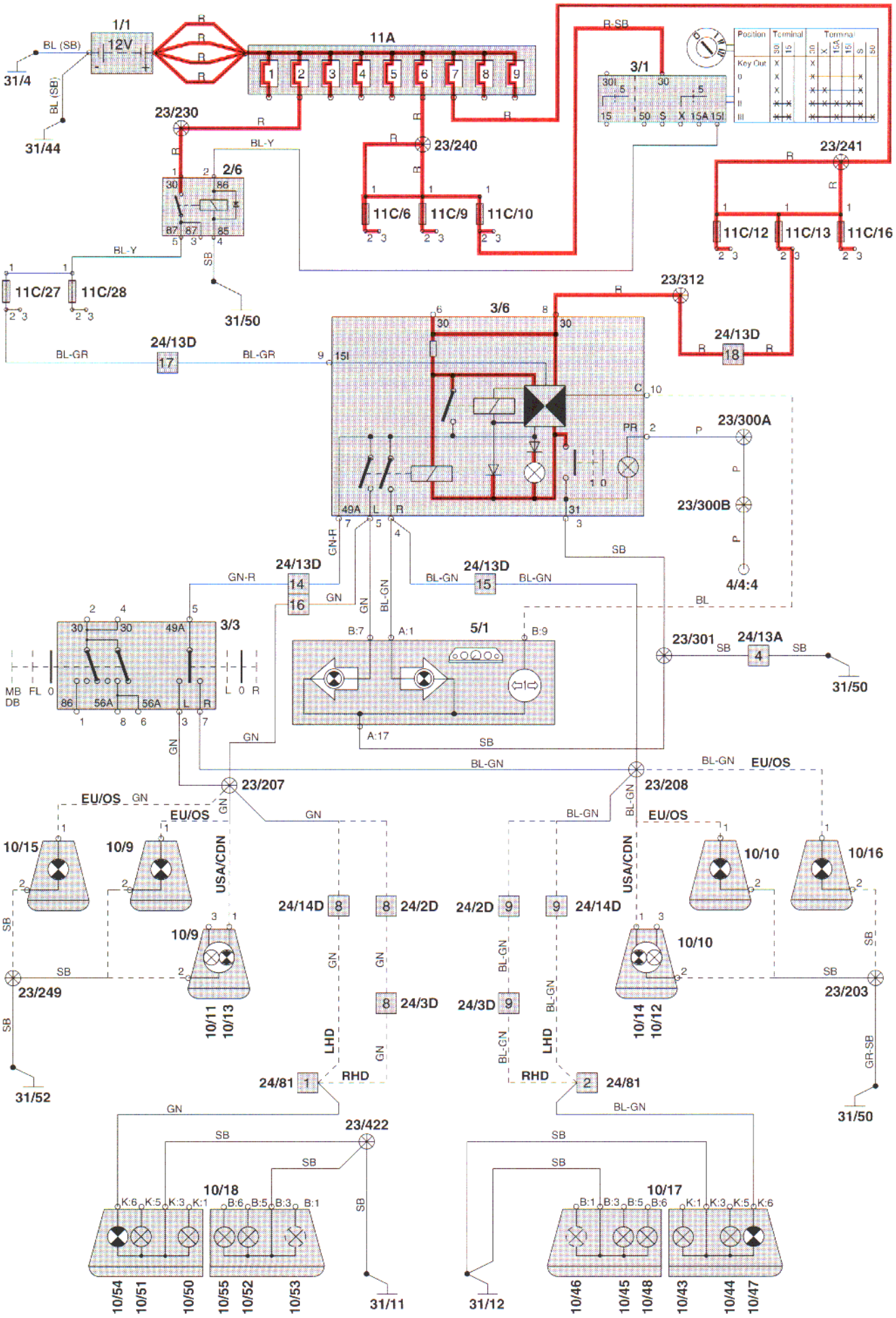




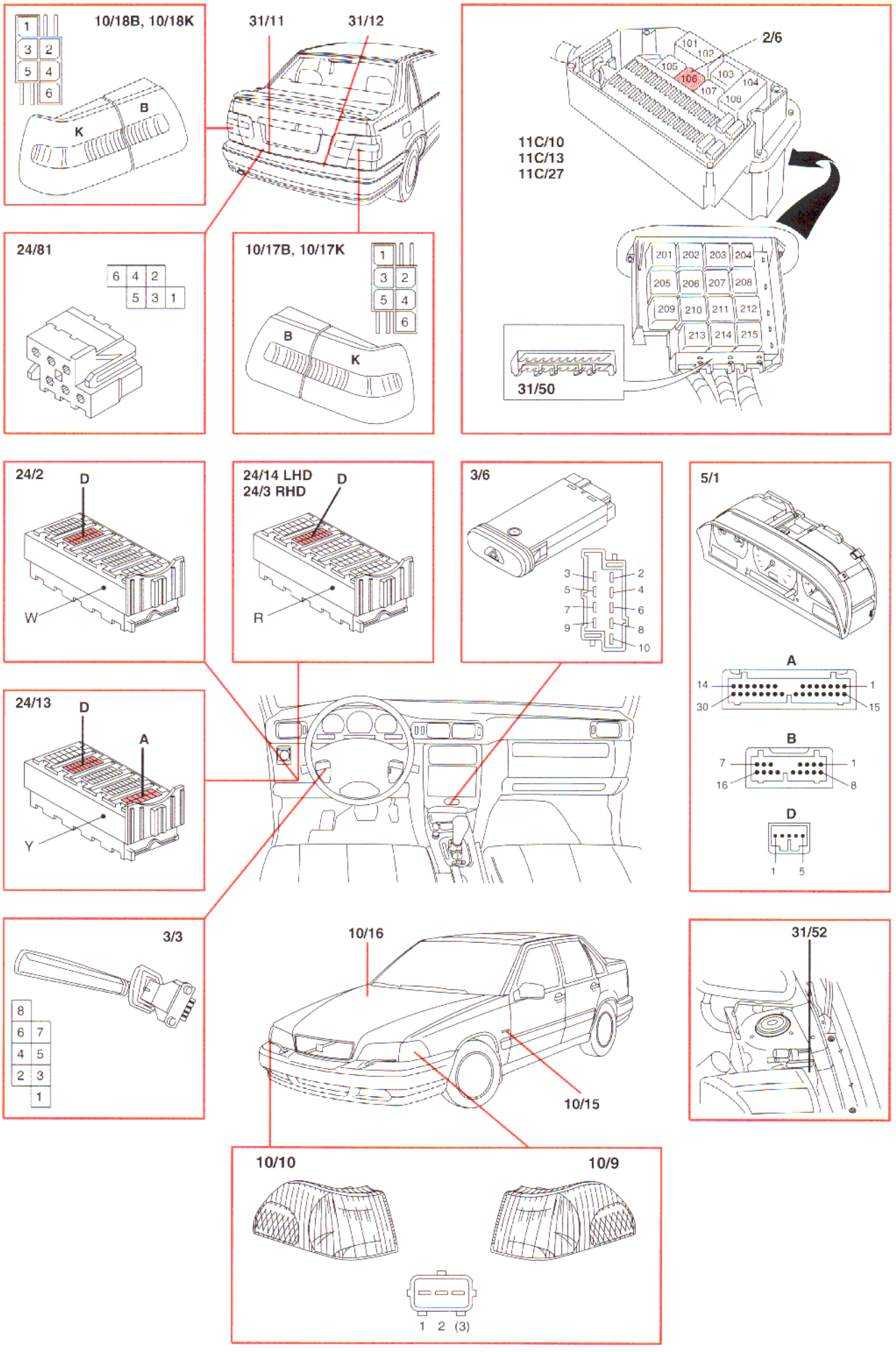


Turn signal lamp and hazard warning signal flasher S70

For function diagram see Page 266.

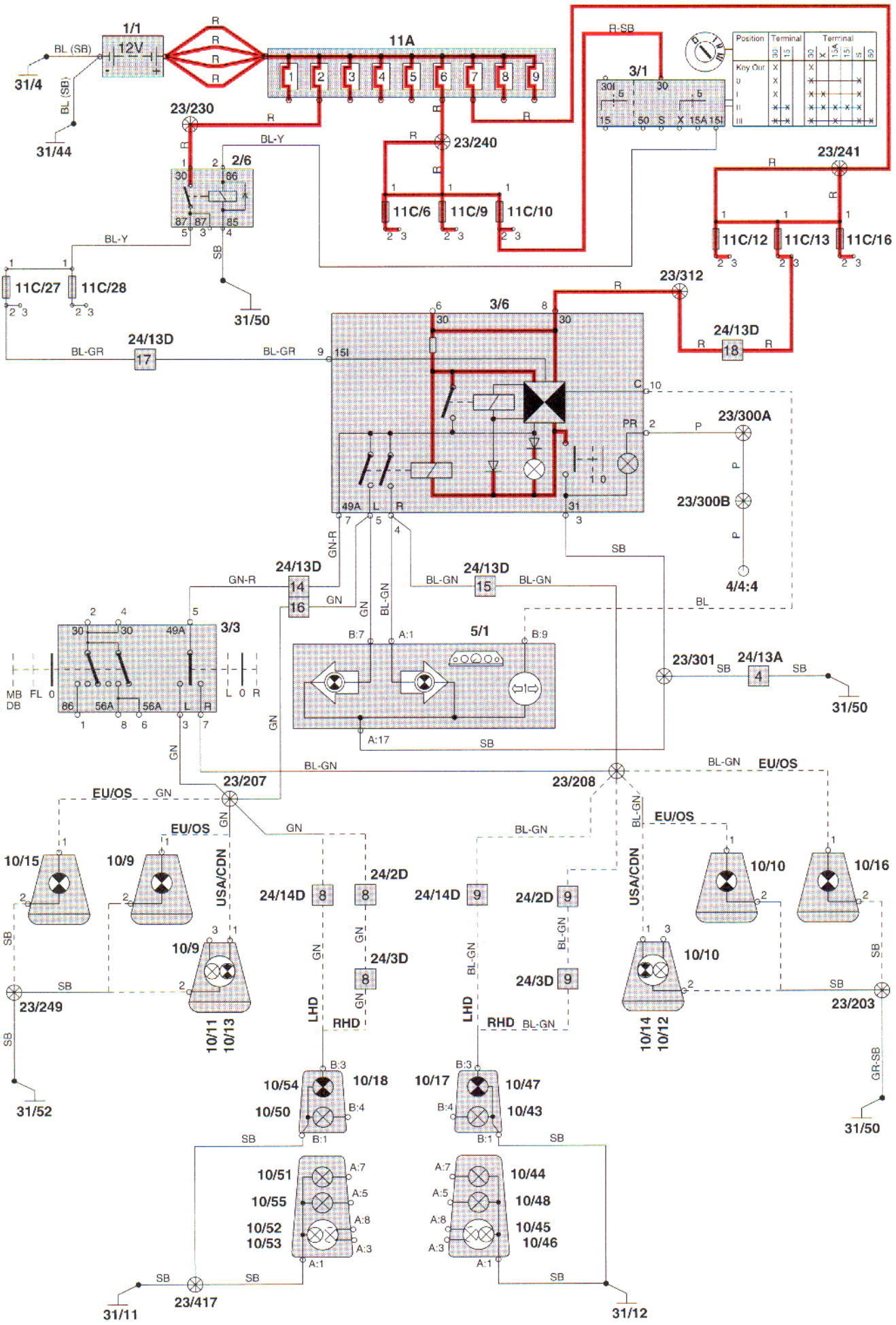


Turn signal lamp and hazard warning signal flasher
S70

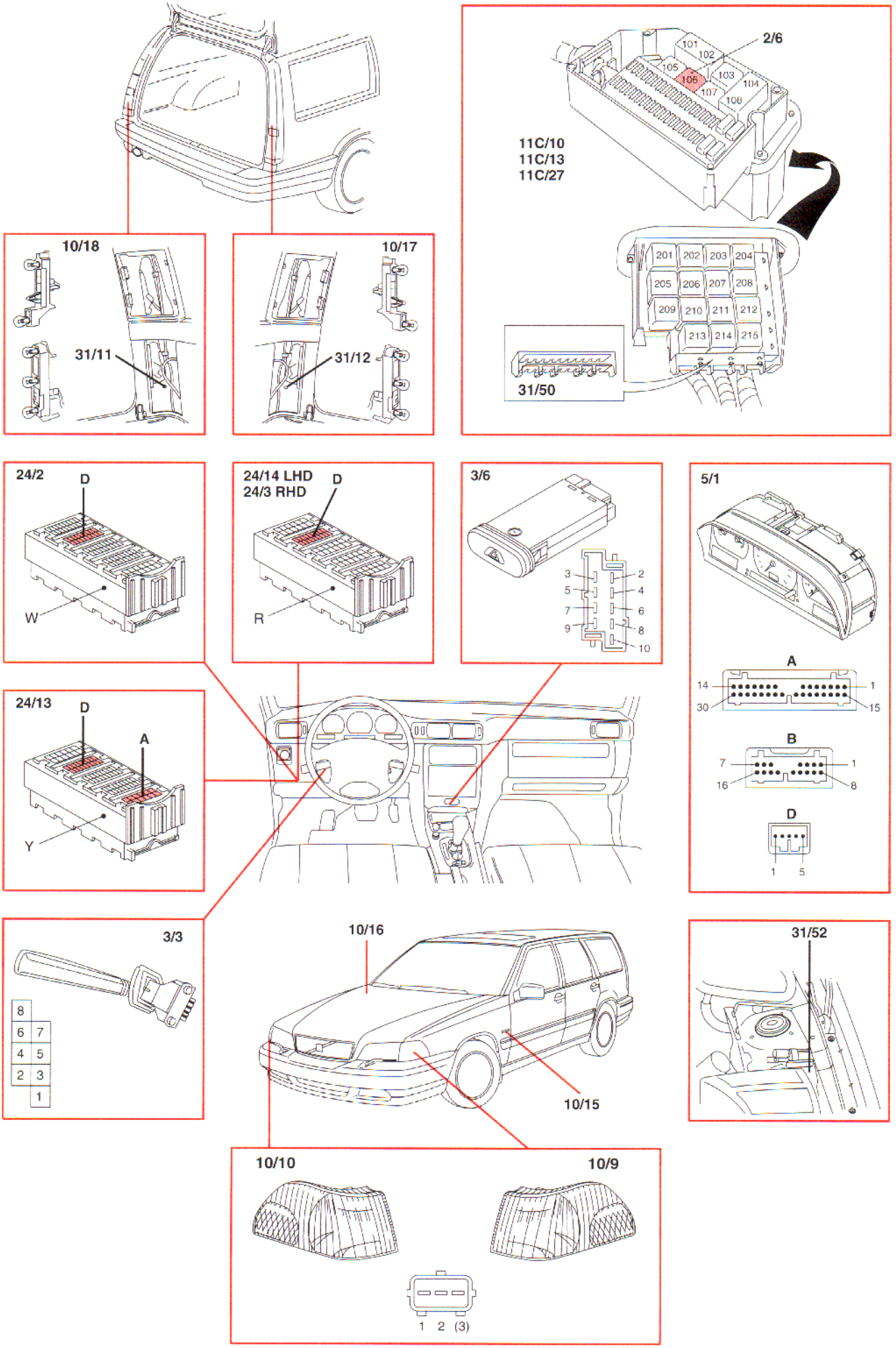


Turn signal lamp and hazard warning signal flasher V70

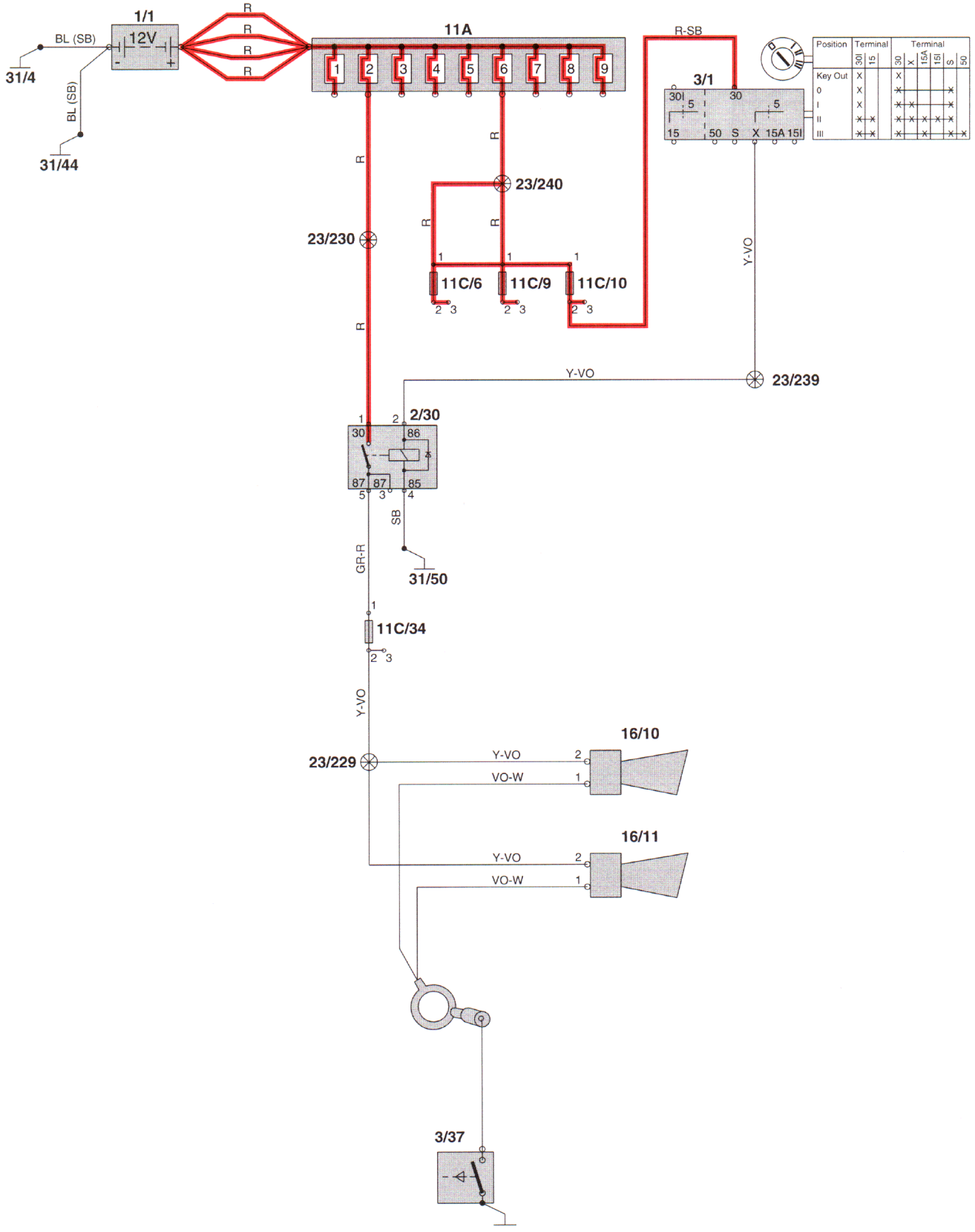
For function diagram see Page 266.



Turn signal lamp and hazard warning signal flasher
V70

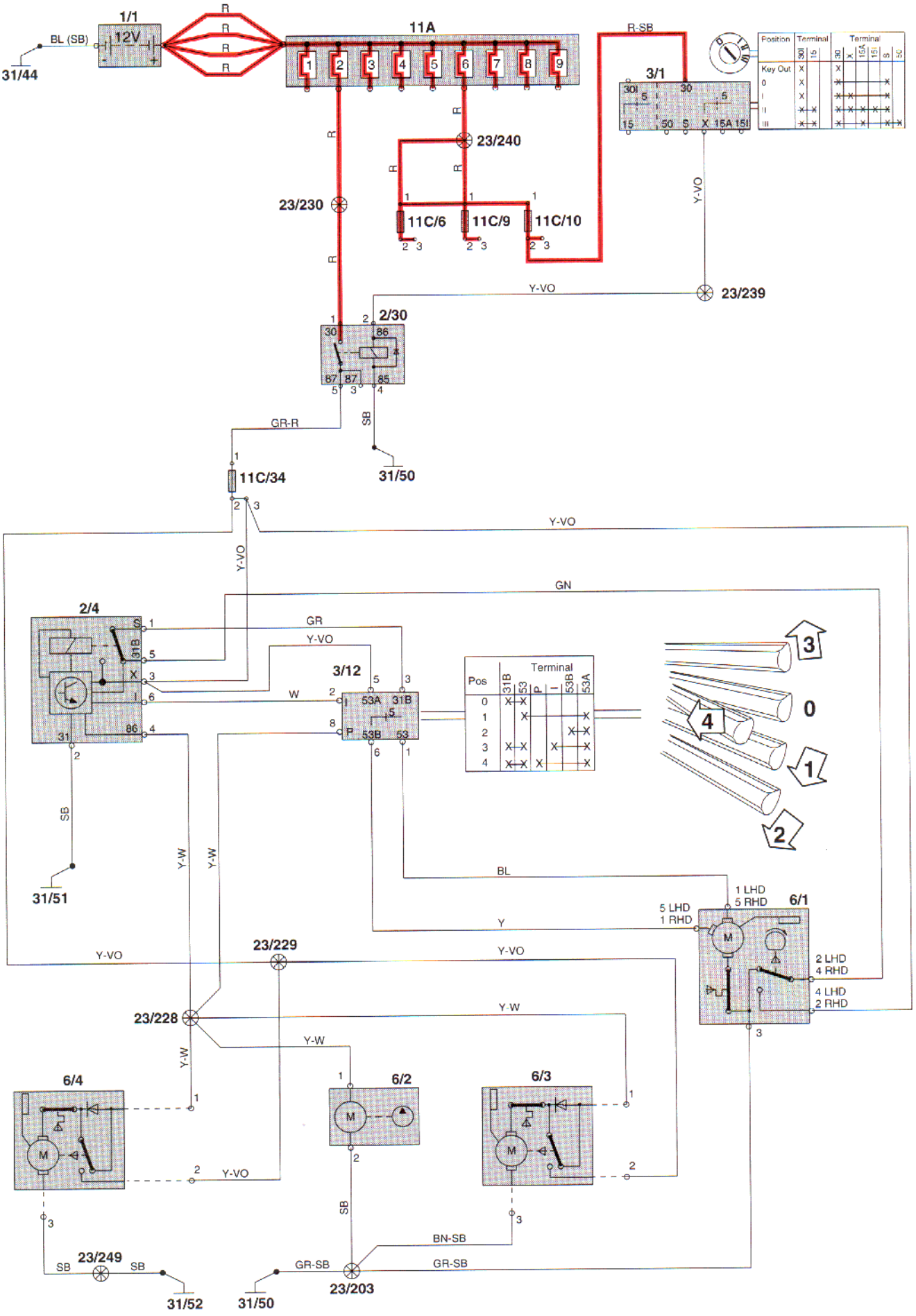


Horn


1/1
12V
BL (SB)
31/4
BL (SB)
31/44
R
R
R
R
11A
1
2
3
4
5
6
7
8
9
R-SB
3/1
30I
30
5
5
15
50
S
X
15A
15I
Position
Terminal
Terminal
30I
15
30
X
15A
15I
S
50
Key Out
0
I
II
III
R
R
23/240
R
R
23/230
1
1
1
11C/6
11C/9
11C/10
2
3
2
3
2
3
R
Y-VO
23/239
Y-VO
2/30
30
86
87
87
85
5
3
4
SB
31/50
GR-R
1
11C/34
2
3
Y-VO
16/10
23/229
Y-VO
2
VO-W
1
16/11
Y-VO
2
VO-W
1
3/37

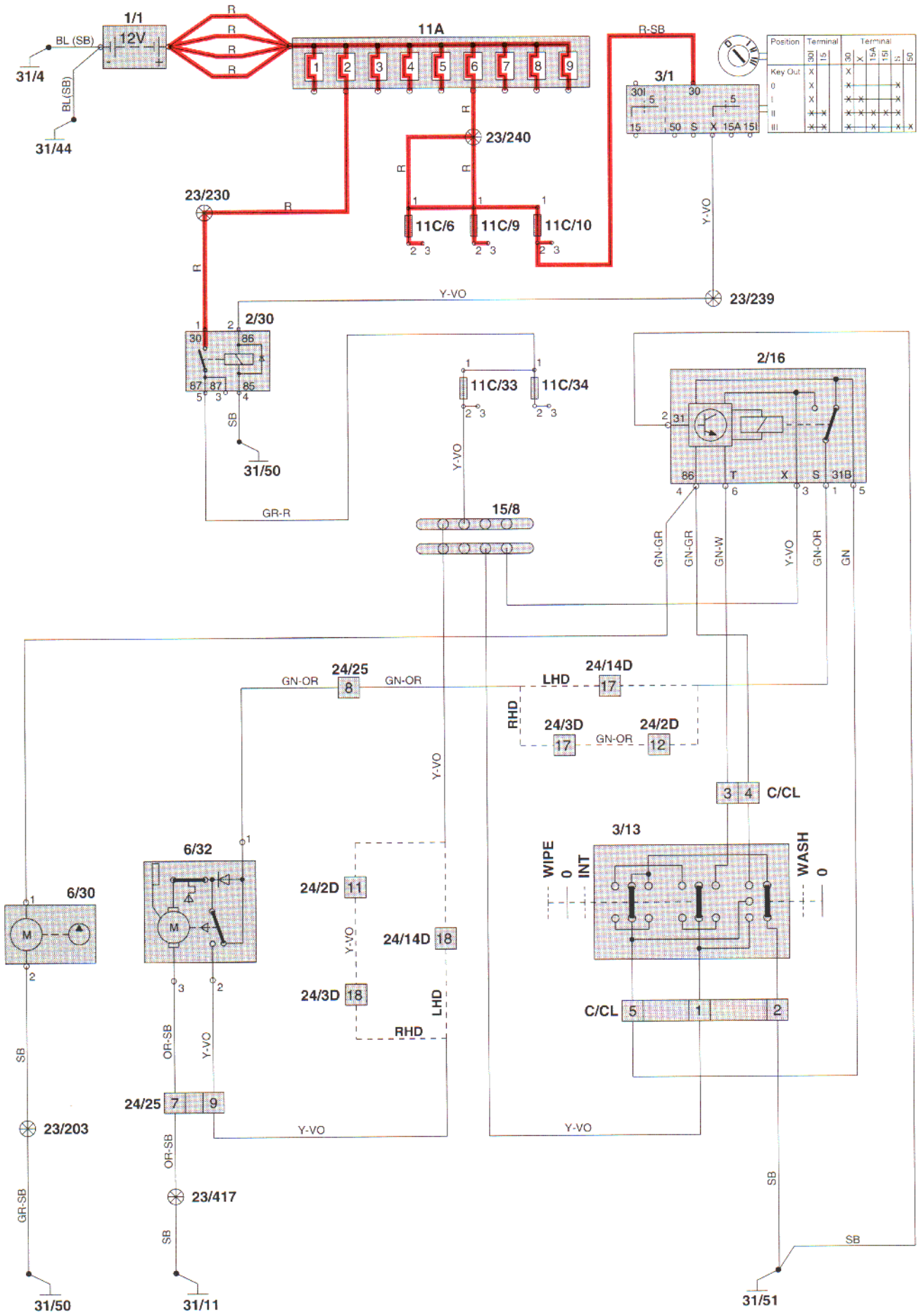
Washer
windshield and headlamp

For function diagram see Page 267.

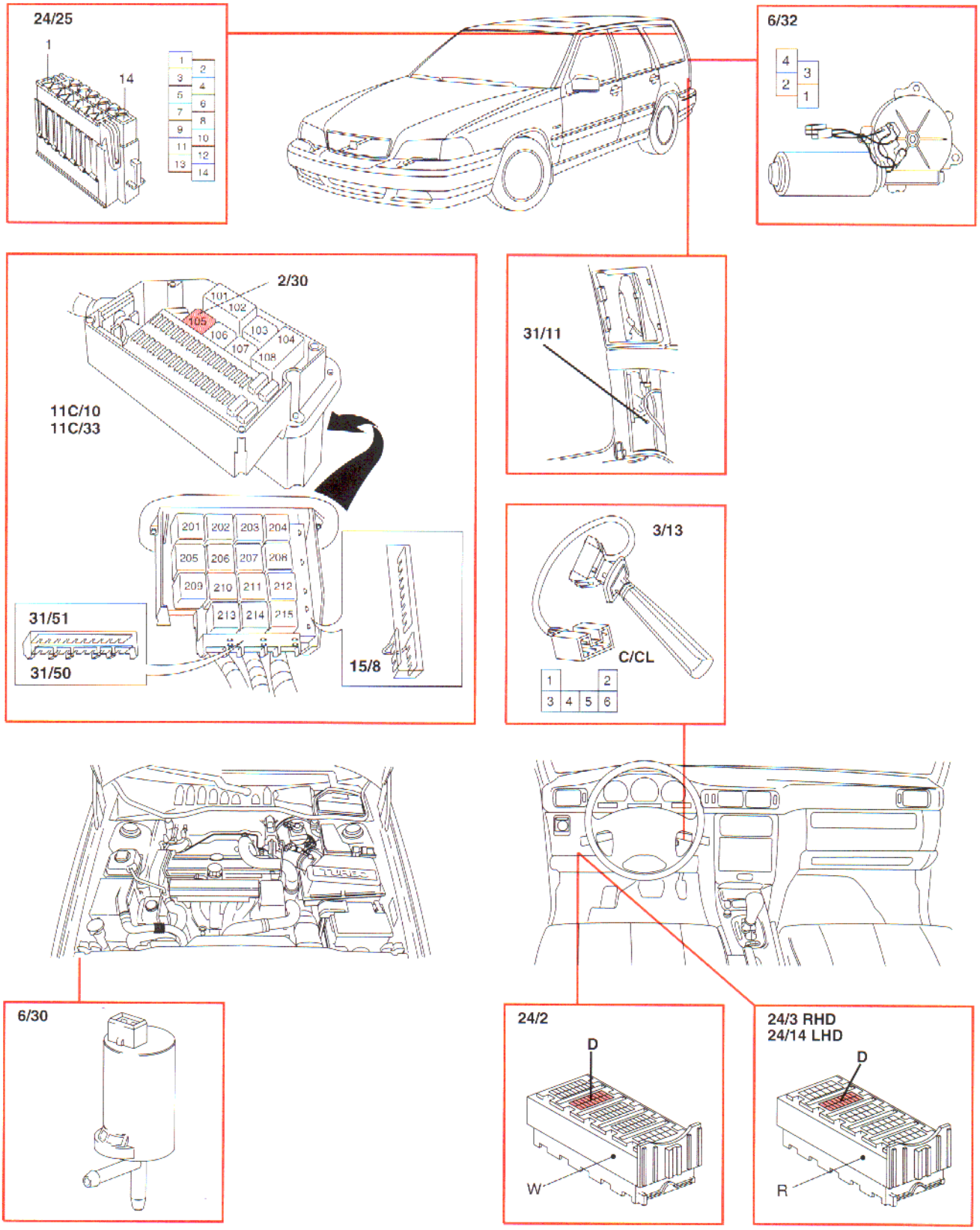


Washer
rear windshield

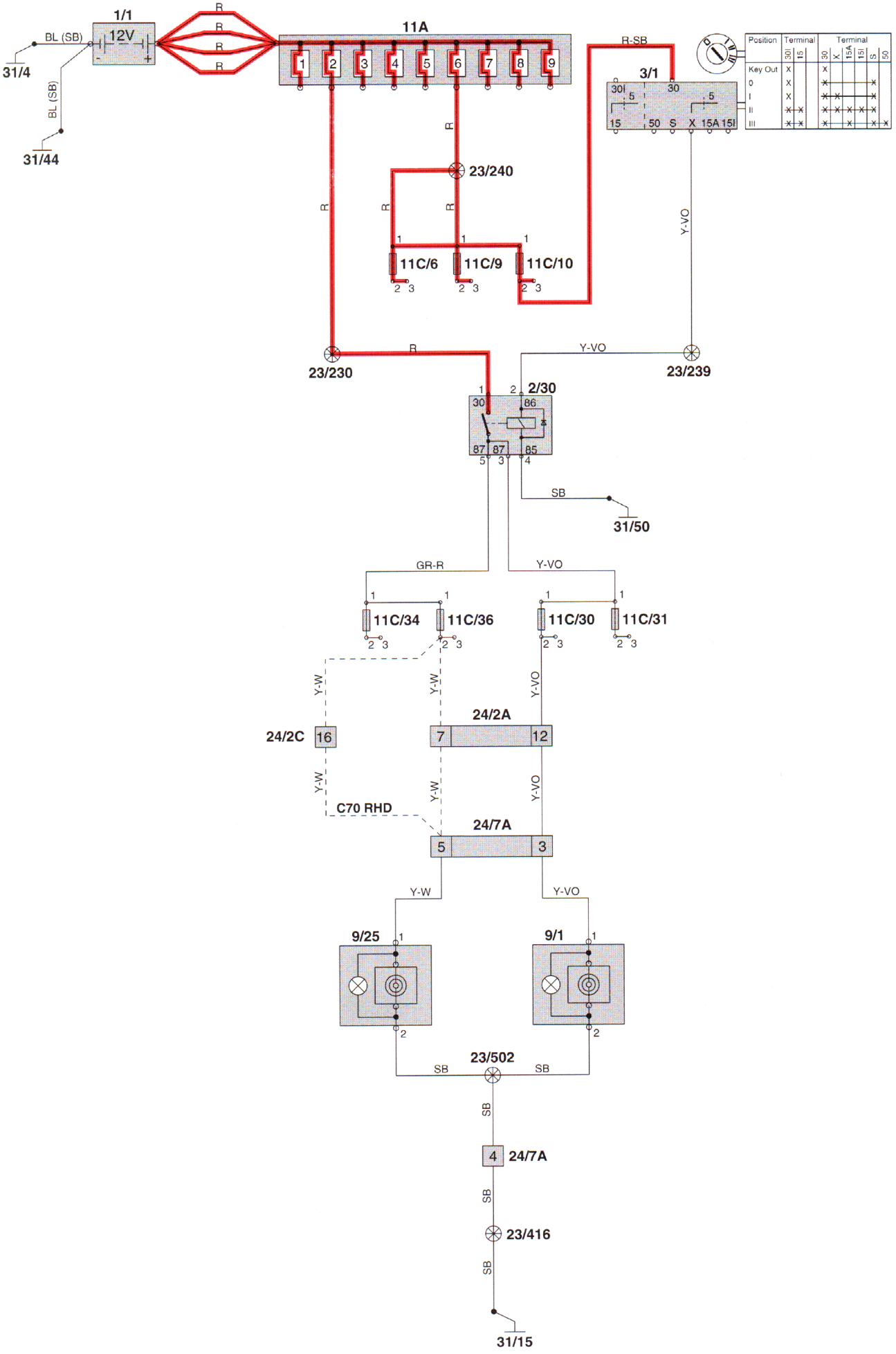
For function diagram see Page 269.



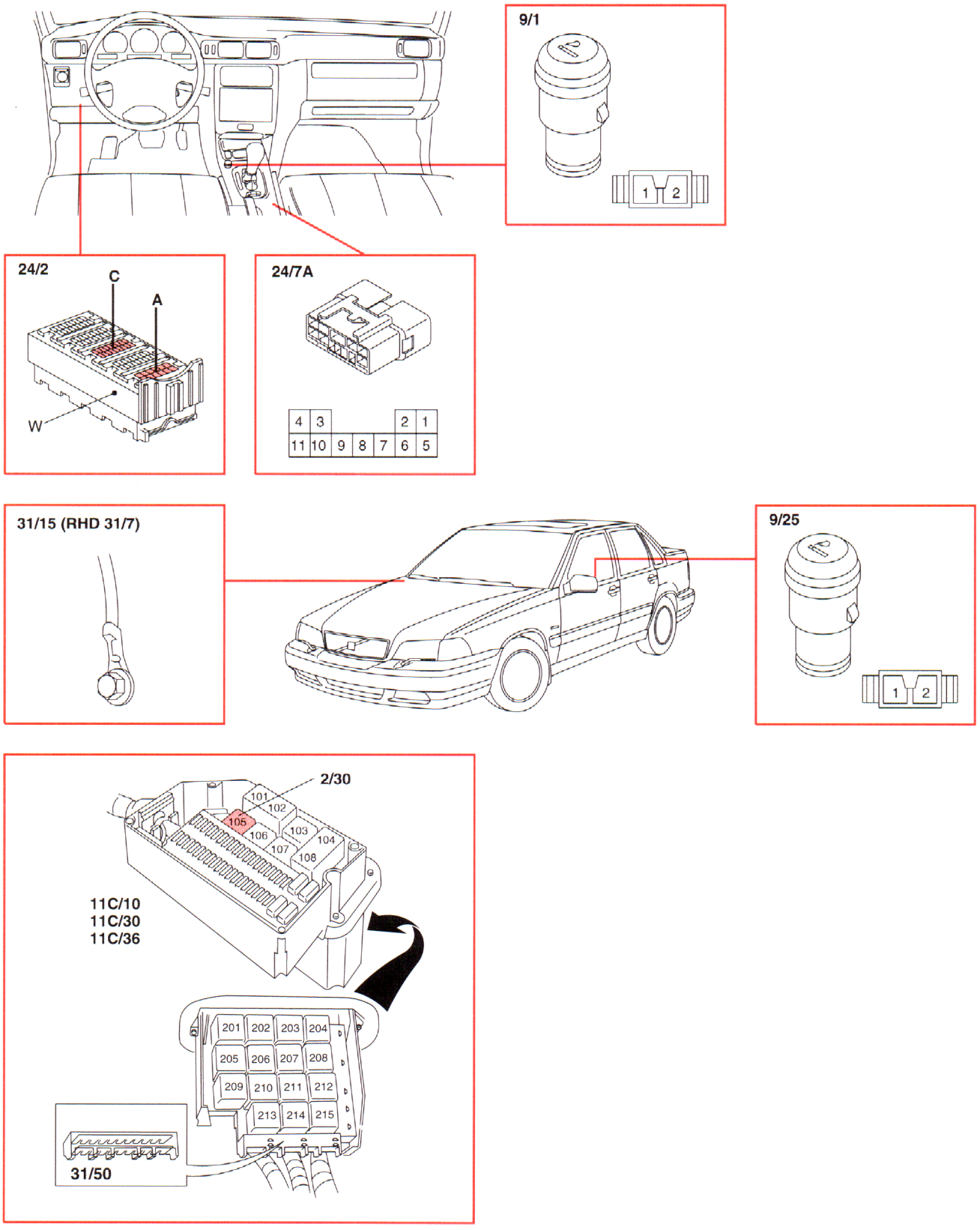
Washer rear windshield



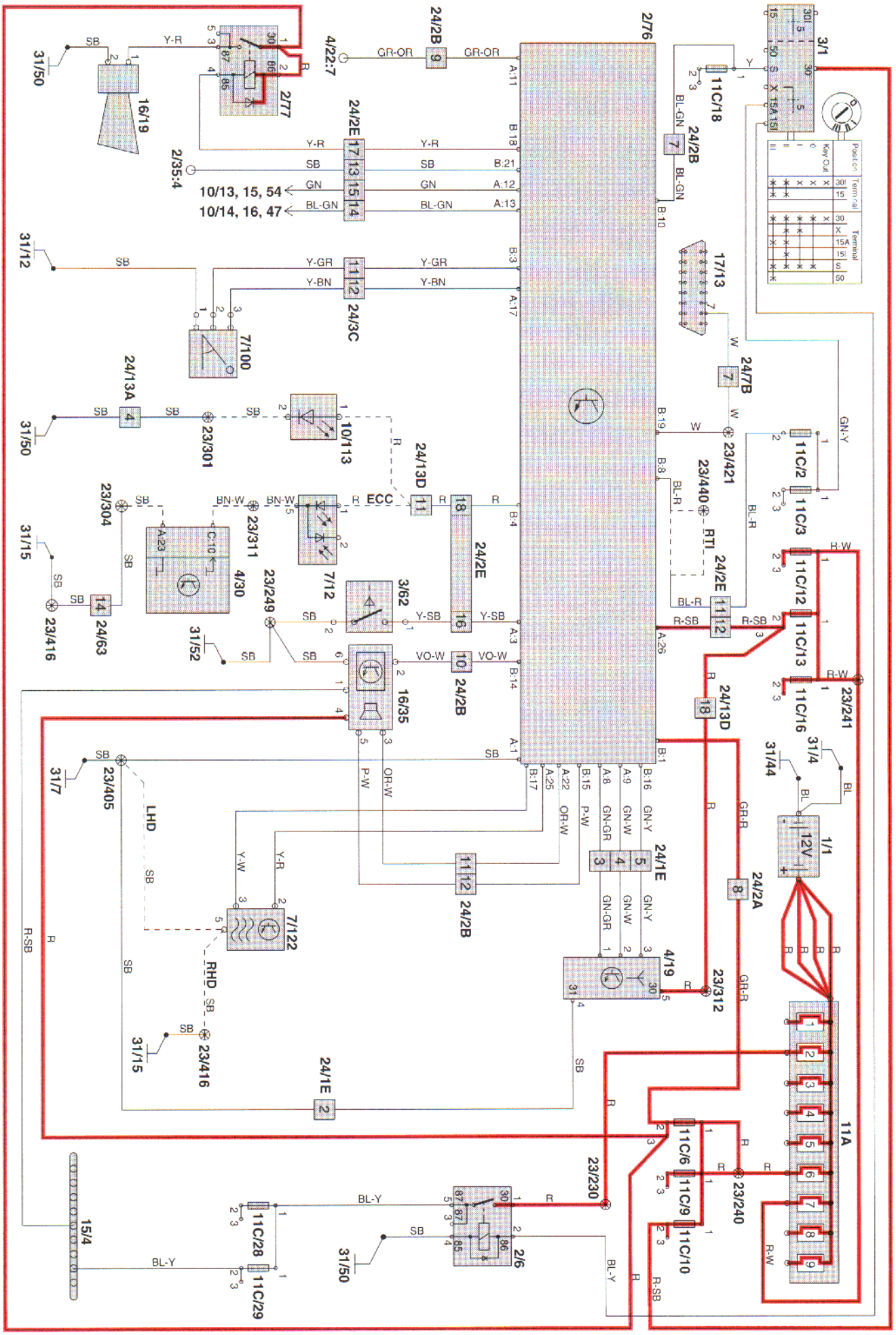
Cigarette lighter/ 12V-output

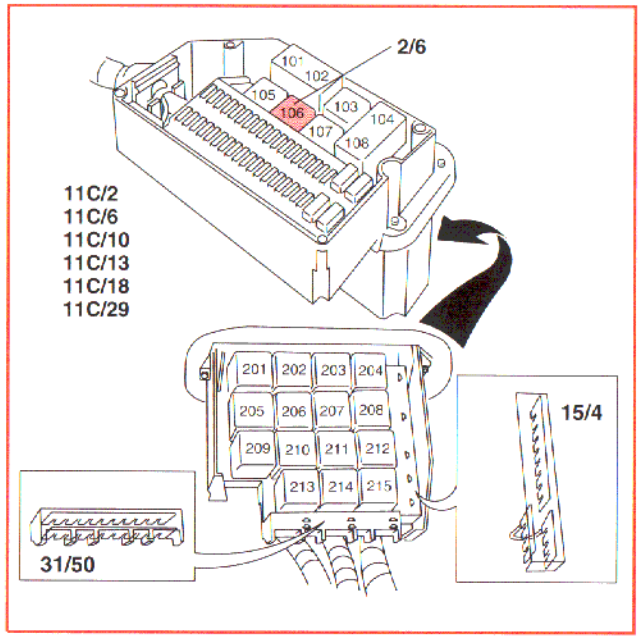


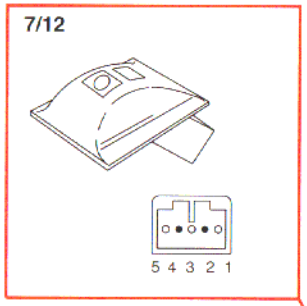
Cigarette lighter/ 12V-output

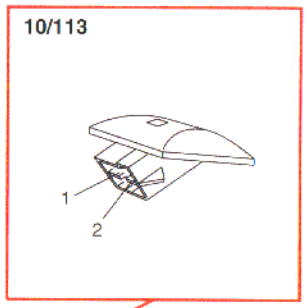


Alarm
C70

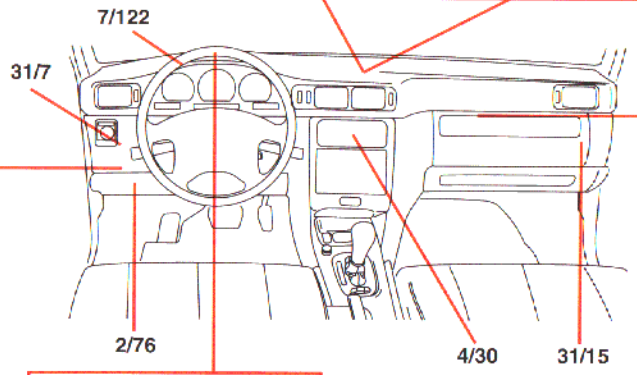

2/76
3/1
11C/18
24/2B
BL-GN
24/2E
Y-R
SB
GN
BL-GN
10/13, 15, 54
10/14, 16, 47
4/22:7
GR-OR
2/35:4
2/77
16/19
31/50
31/12
7/100
24/3C
24/13A
10/113
23/301
24/13D
ECC
23/304
23/311
4/30
7/12
3/62
23/249
31/52
23/416
24/63
31/15
16/35
24/2B
24/1E
23/405
LHD
RHD
7/122
31/7
15/4
11C/28
11C/29
BL-Y
2/6
23/230
11C/6
11C/9
11C/10
23/240
11A
17/13
24/7B
23/421
23/440
RTI
11C/2
11C/3
11C/12
11C/13
11C/16
23/241
31/4
31/44
1/1
12V
24/2A
4/19
23/312
GR-R
R-W
R-SB
GN-Y
GN-W
GN-GR
P-W
OR-W
Y-R
Y-W
VO-W
Y-SB
BN-W
BL-R
W
R
SB
BL
Position
Key Out
Terminal
30
15
X
15A
50
S

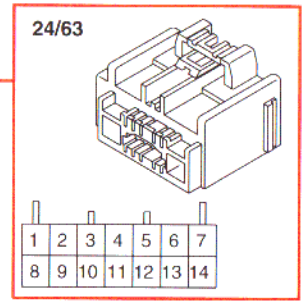

2/6
101
102
105
106
103
104
107
108
11C/2
11C/6
11C/10
11C/13
11C/18
11C/29
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
15/4
31/50

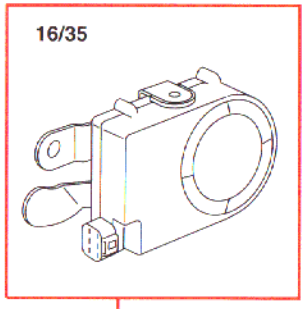

7/12
5 4 3 2 1

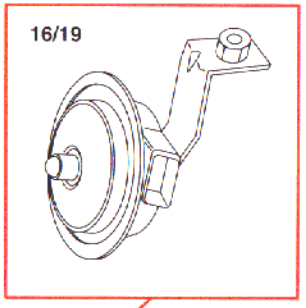

10/113
1
2

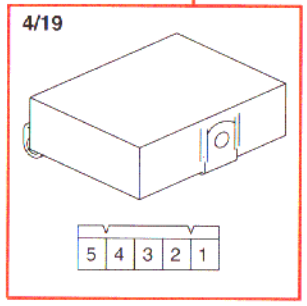

24/1
24/2
24/3
24/13

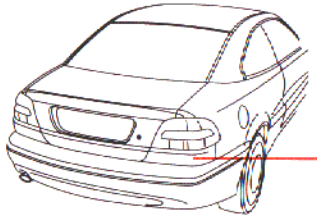

7/122
31/7
2/76
4/30
31/15

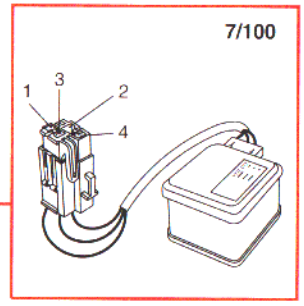

24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14

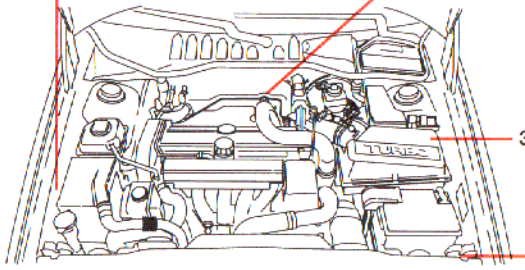

16/35

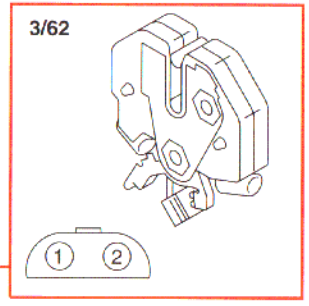

16/19

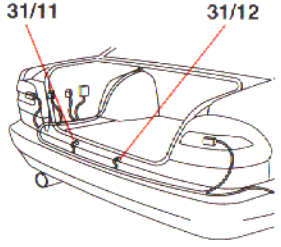

4/19
5 4 3 2 1

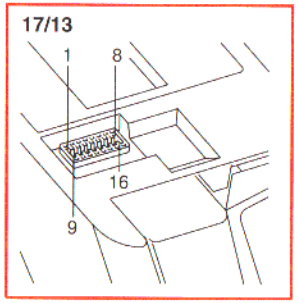



7/100
1
3
2
4

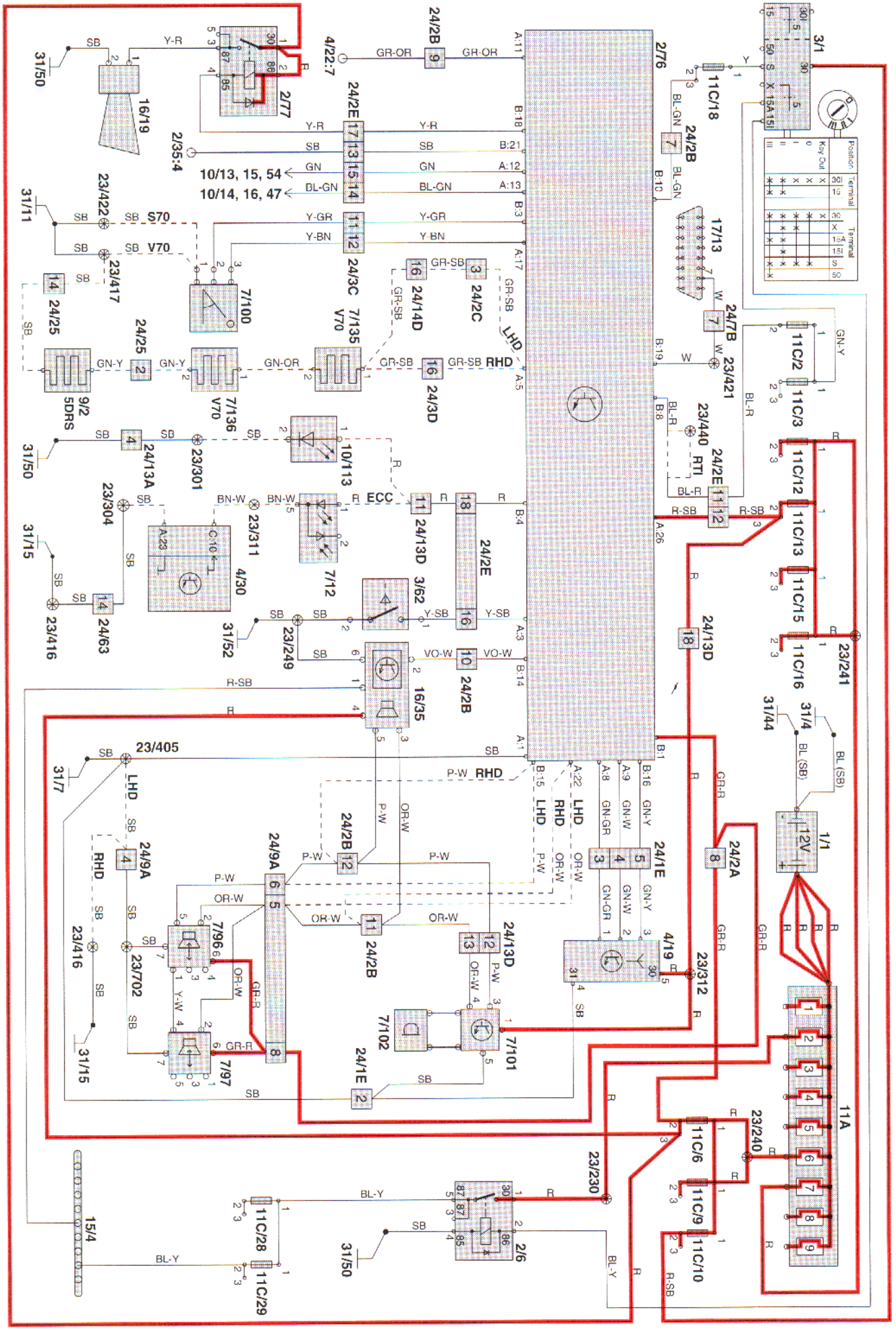

31/52

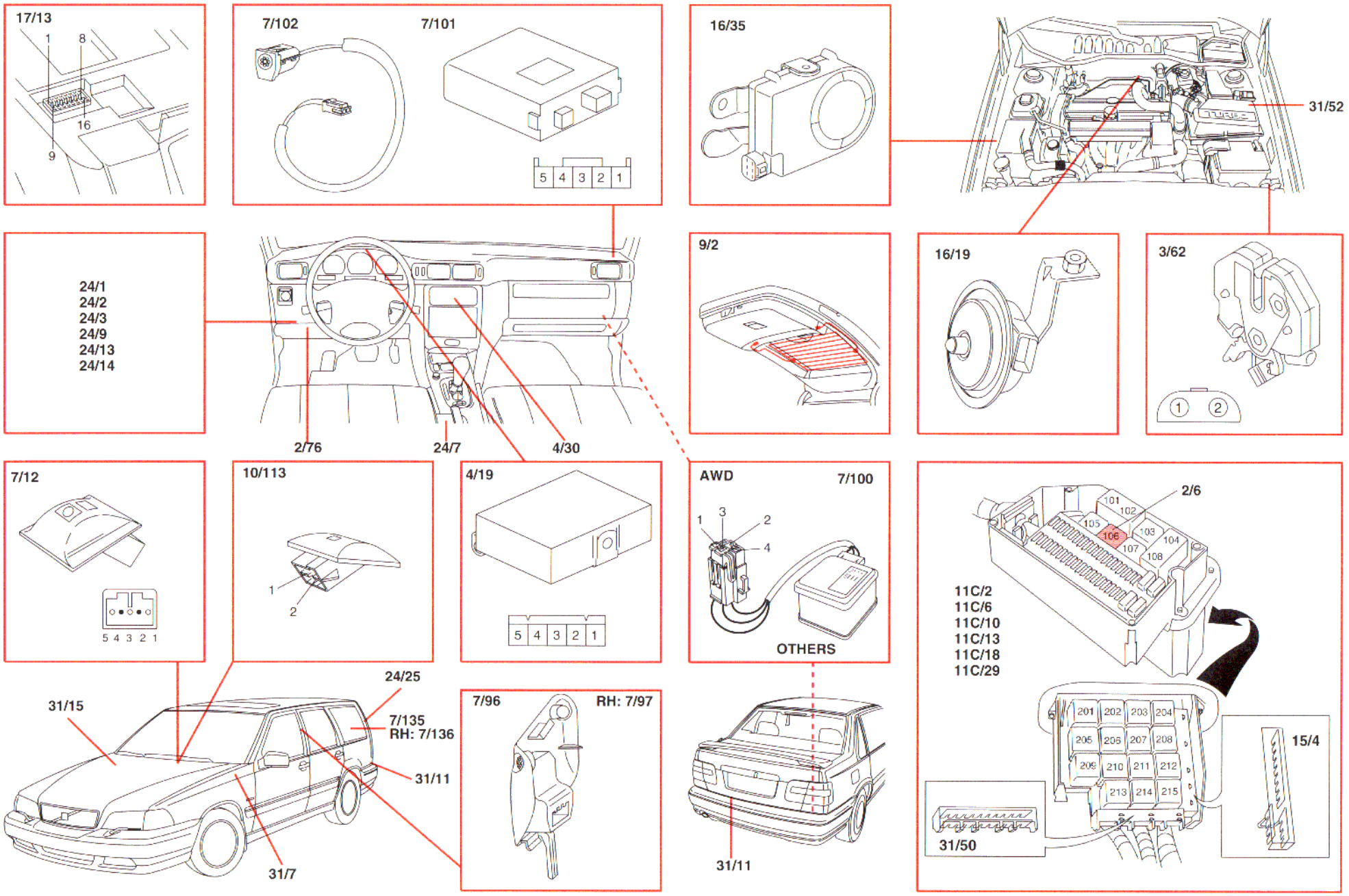

3/62
1
2


31/11
31/12

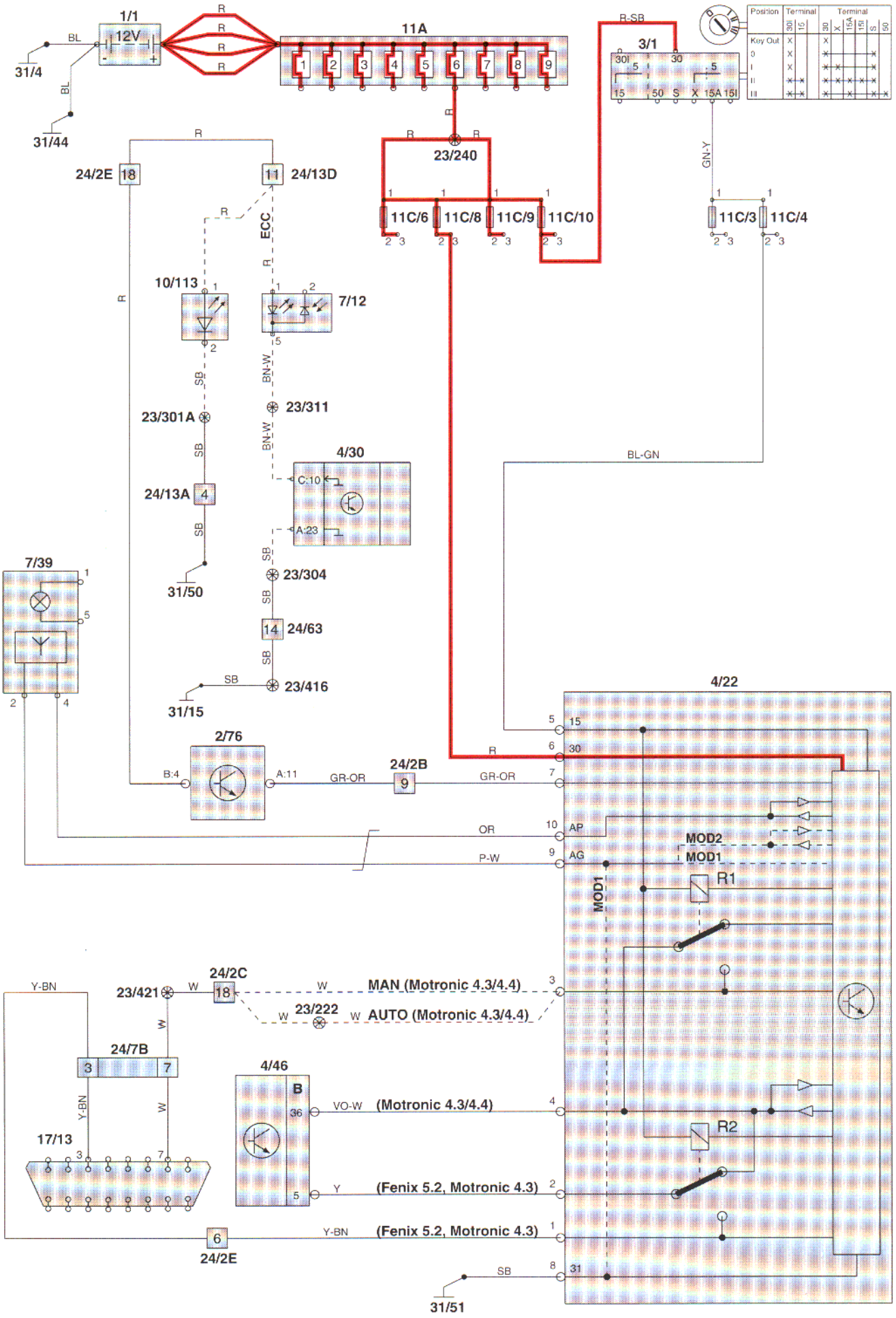

17/13
1
8
16
9

Alarm
S70/V70

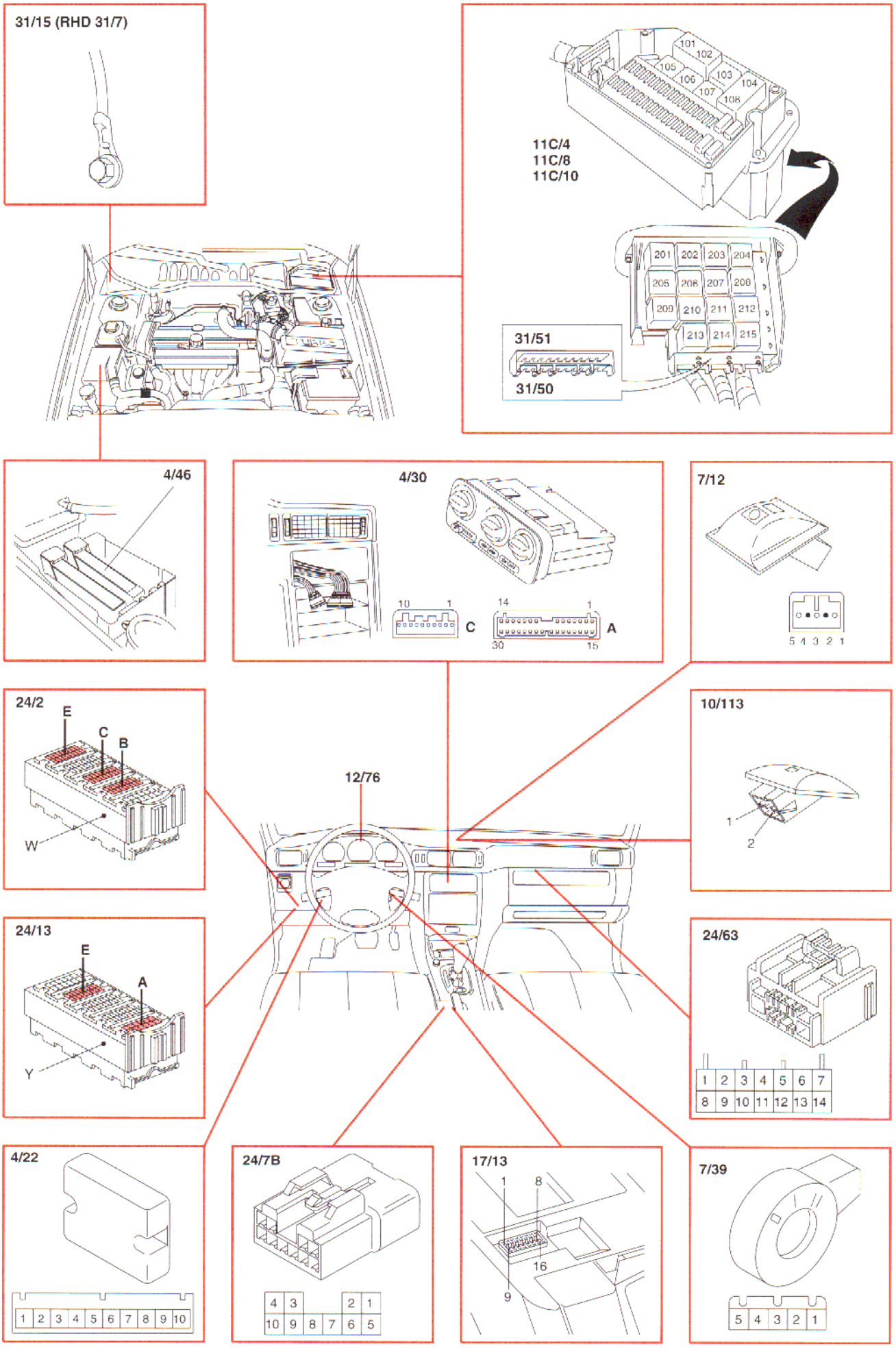



17/13
1
8
16
9
7/102
7/101
5 4 3 2 1
16/35
31/52
24/1
24/2
24/3
24/9
24/13
24/14
2/76
24/7
4/30
9/2
16/19
3/62
1 2
7/12
5 4 3 2 1
10/113
1
2
4/19
5 4 3 2 1
AWD
7/100
1
3
2
4
OTHERS
2/6
101
102
105
106
103
104
107
108
11C/2
11C/6
11C/10
11C/13
11C/18
11C/29
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
15/4
31/50
24/25
31/15
7/135
RH: 7/136
31/11
31/7
7/96
RH: 7/97
31/11

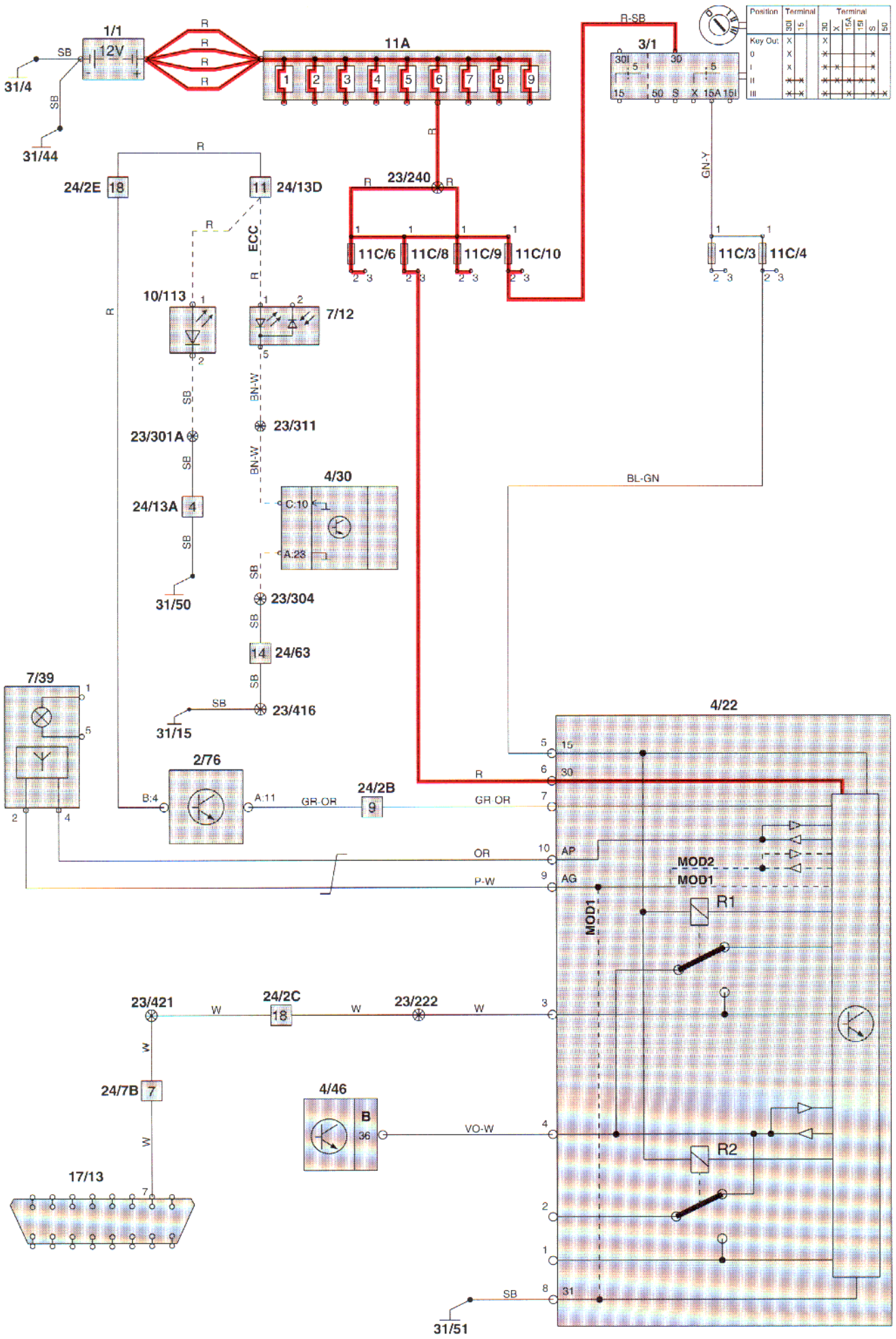
Immobilizer
Fenix 5.2, Motronic 4.3/4.4

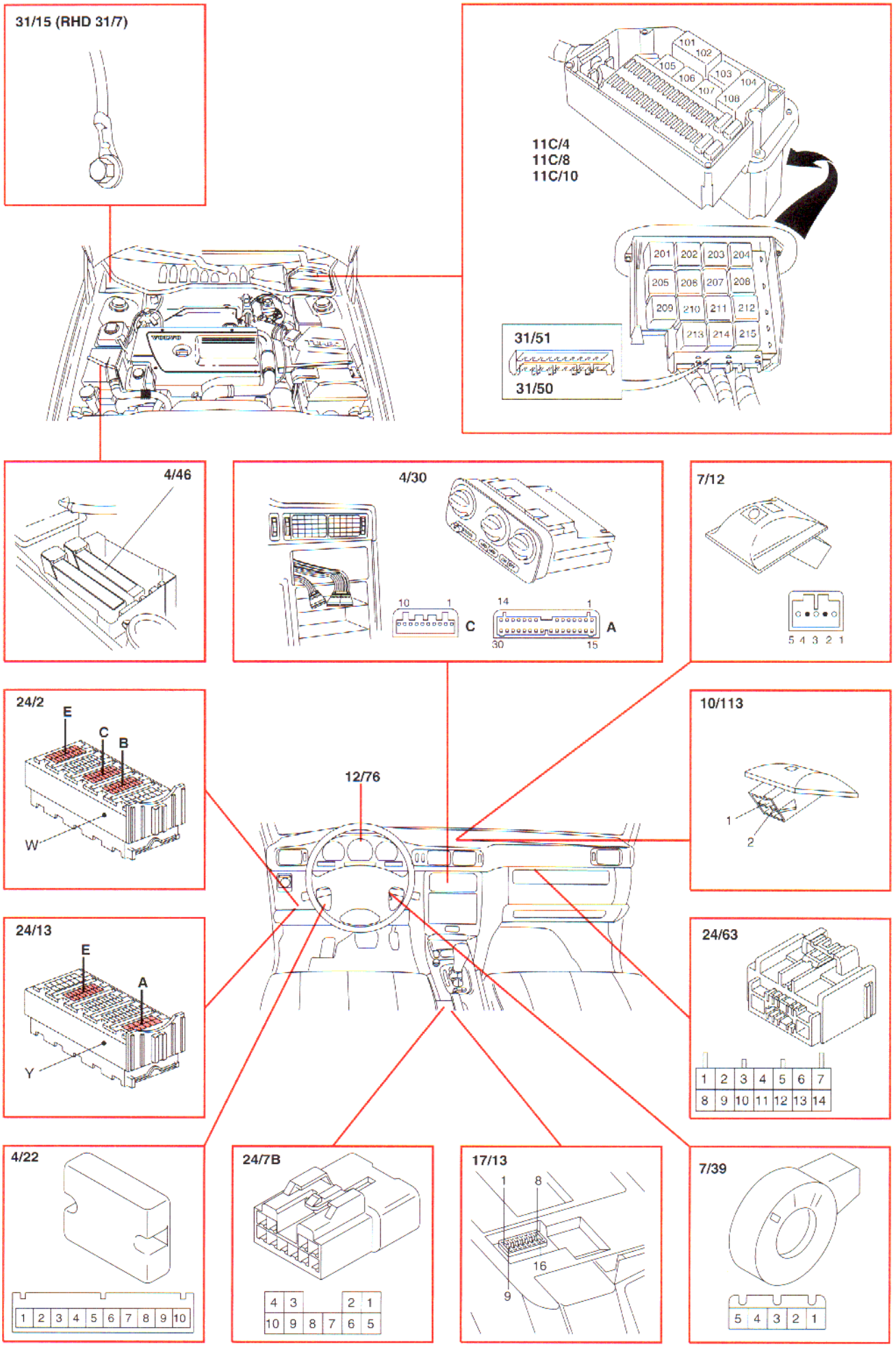


Immobilizer
Fenix 5.2, Motronic 4.3/4.4

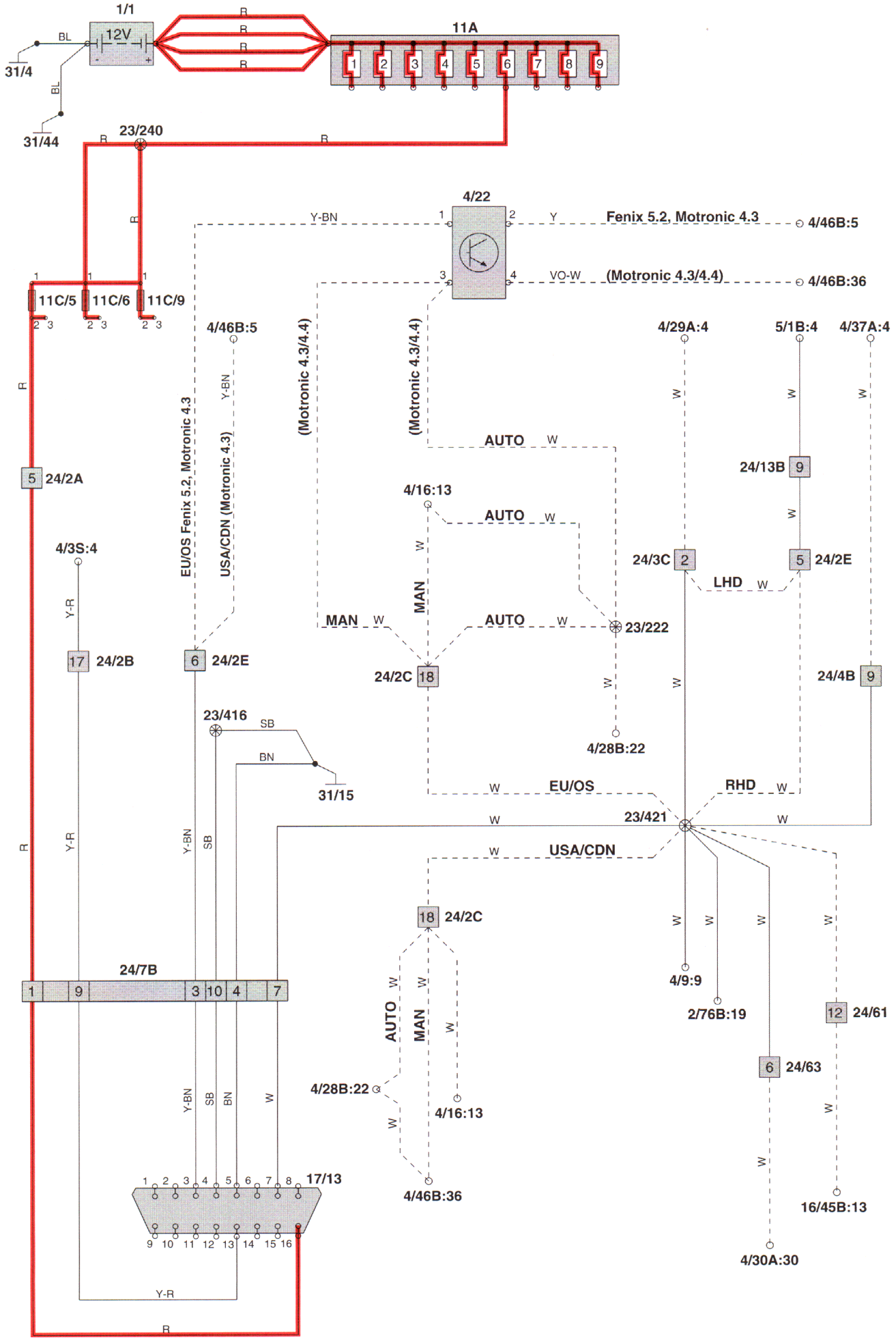


Immobilizer
MSA 15.7

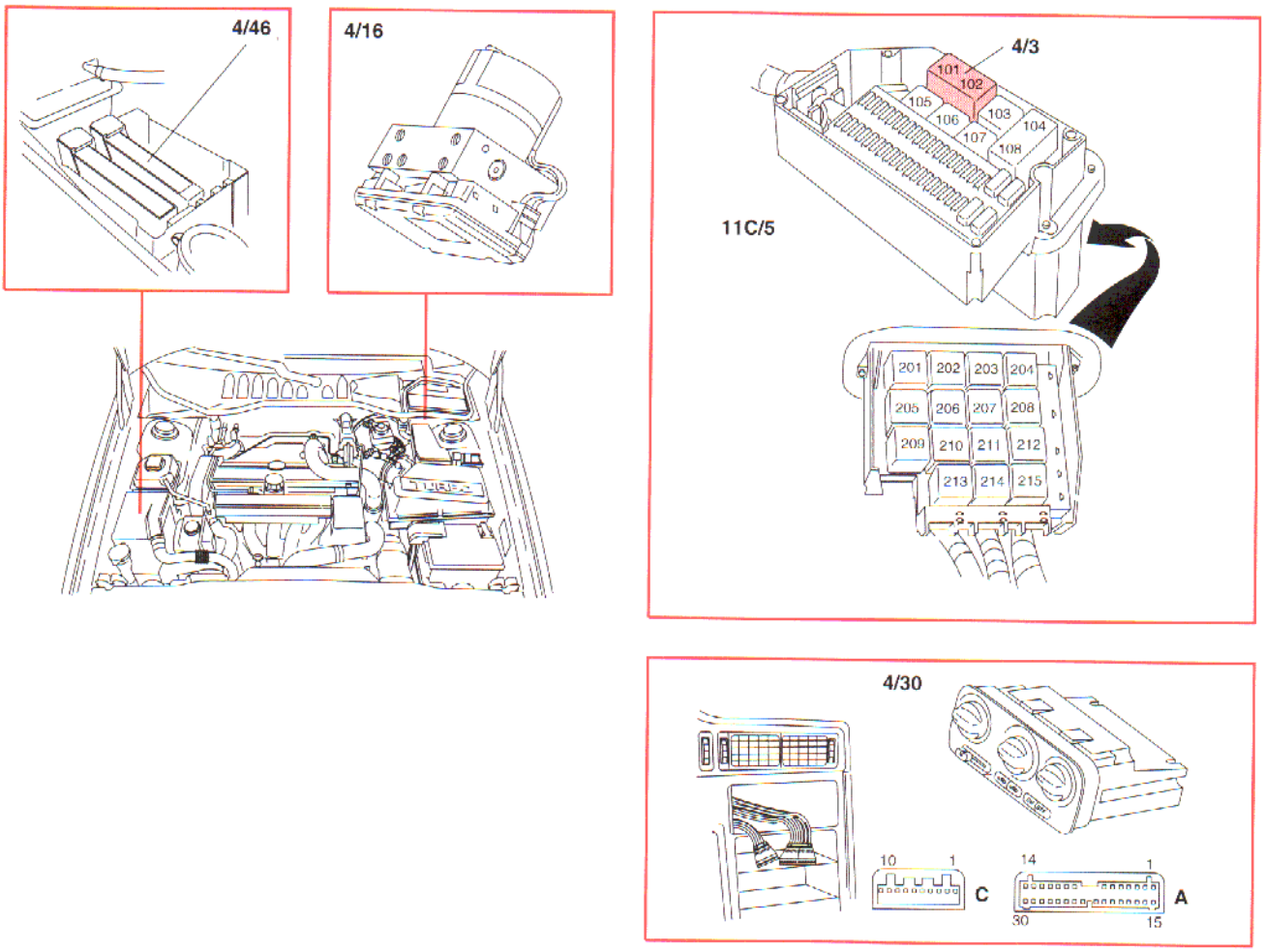


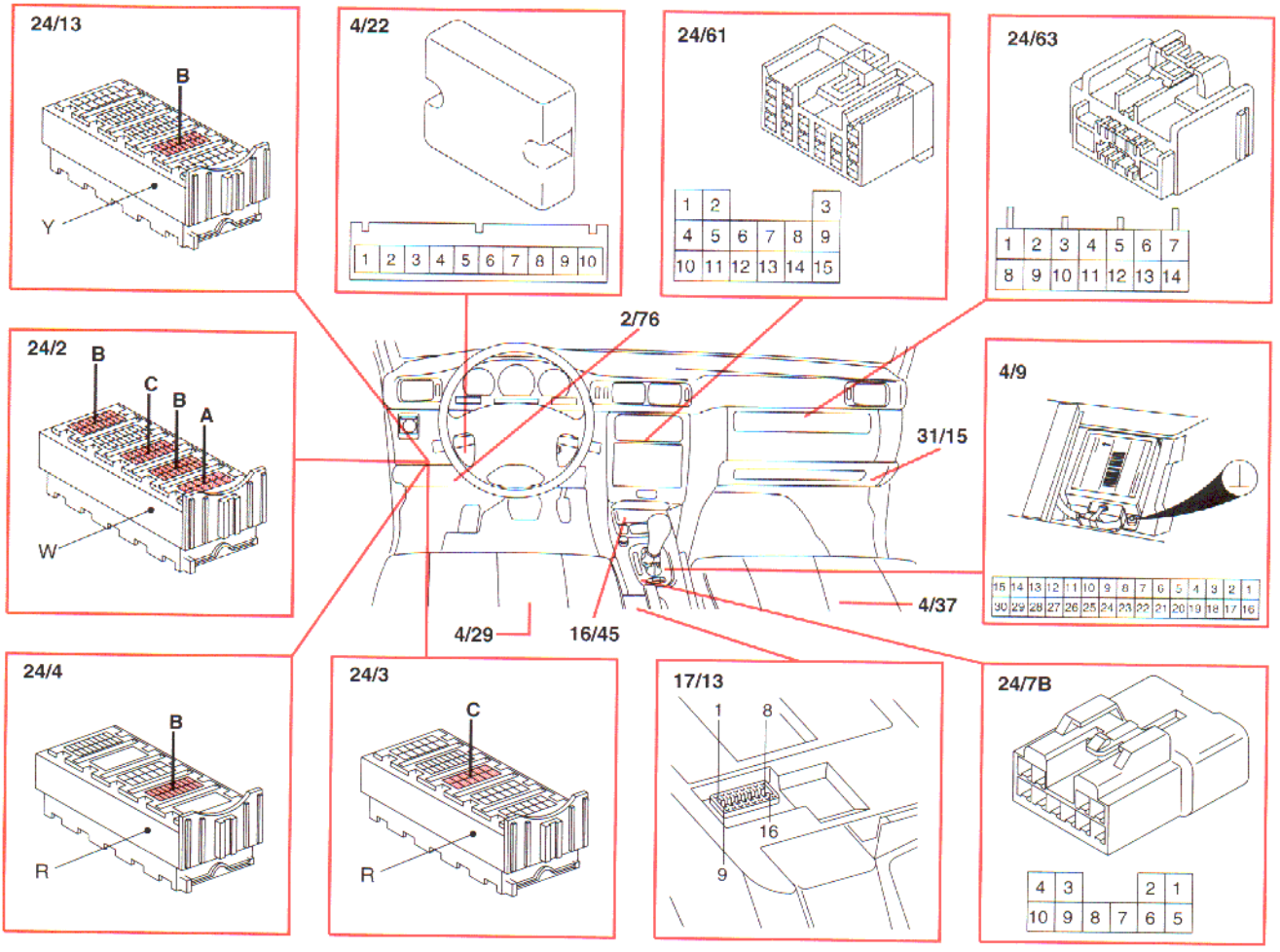

31/15 (RHD 31/7)
11C/4
11C/8
11C/10
101
102
103
104
105
106
107
108
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/51
31/50
4/46
4/30
10
1
C
14
1
A
30
15
7/12
5 4 3 2 1
24/2
E
C
B
W
12/76
10/113
1
2
24/13
E
A
Y
24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14
4/22
1 2 3 4 5 6 7 8 9 10
24/7B
4 3 2 1
10 9 8 7 6 5
17/13
1
8
16
9
7/39
5 4 3 2 1

On-board diagnostic system (OBD system)
Fenix 5.2, Motronic 4.3/4.4

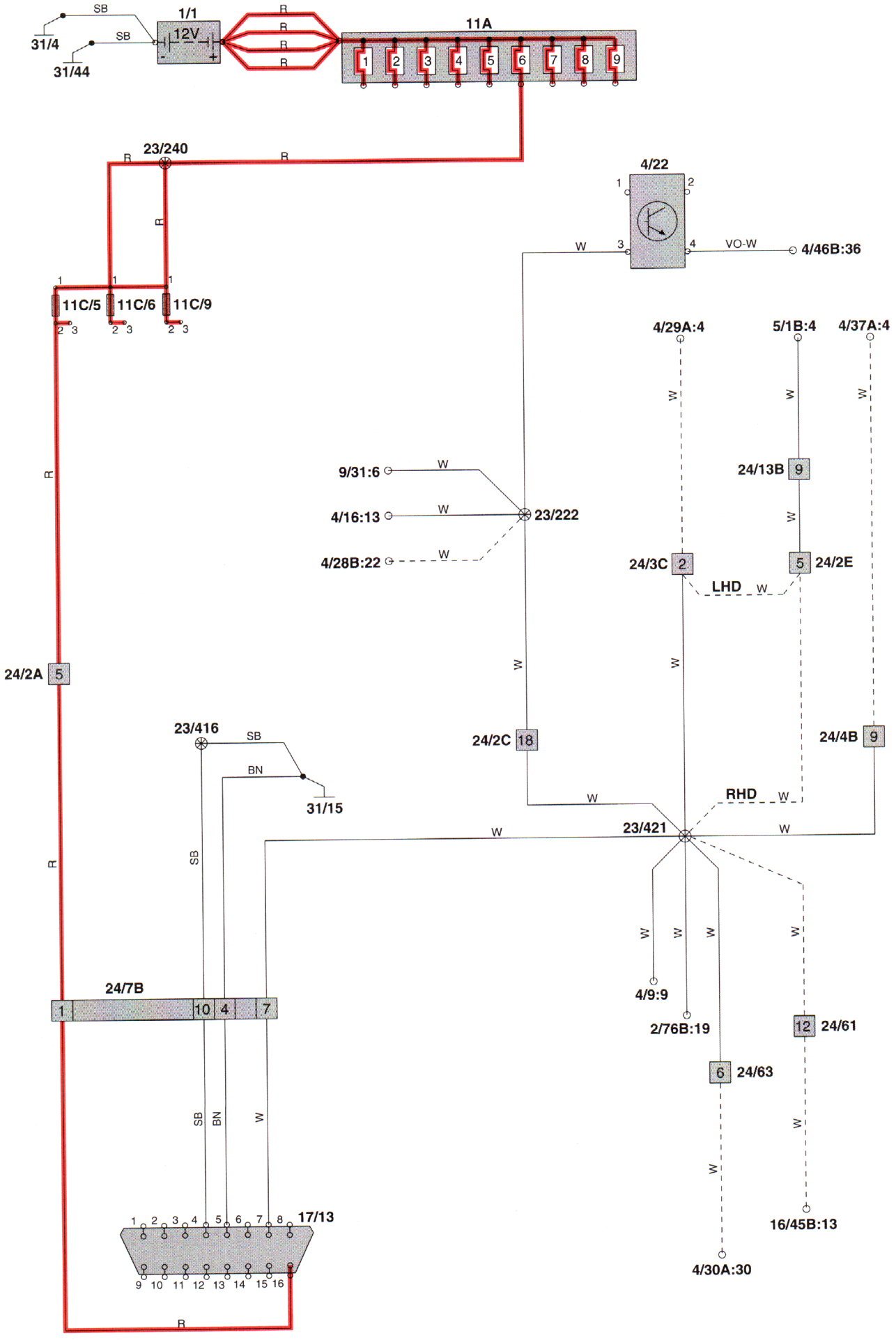


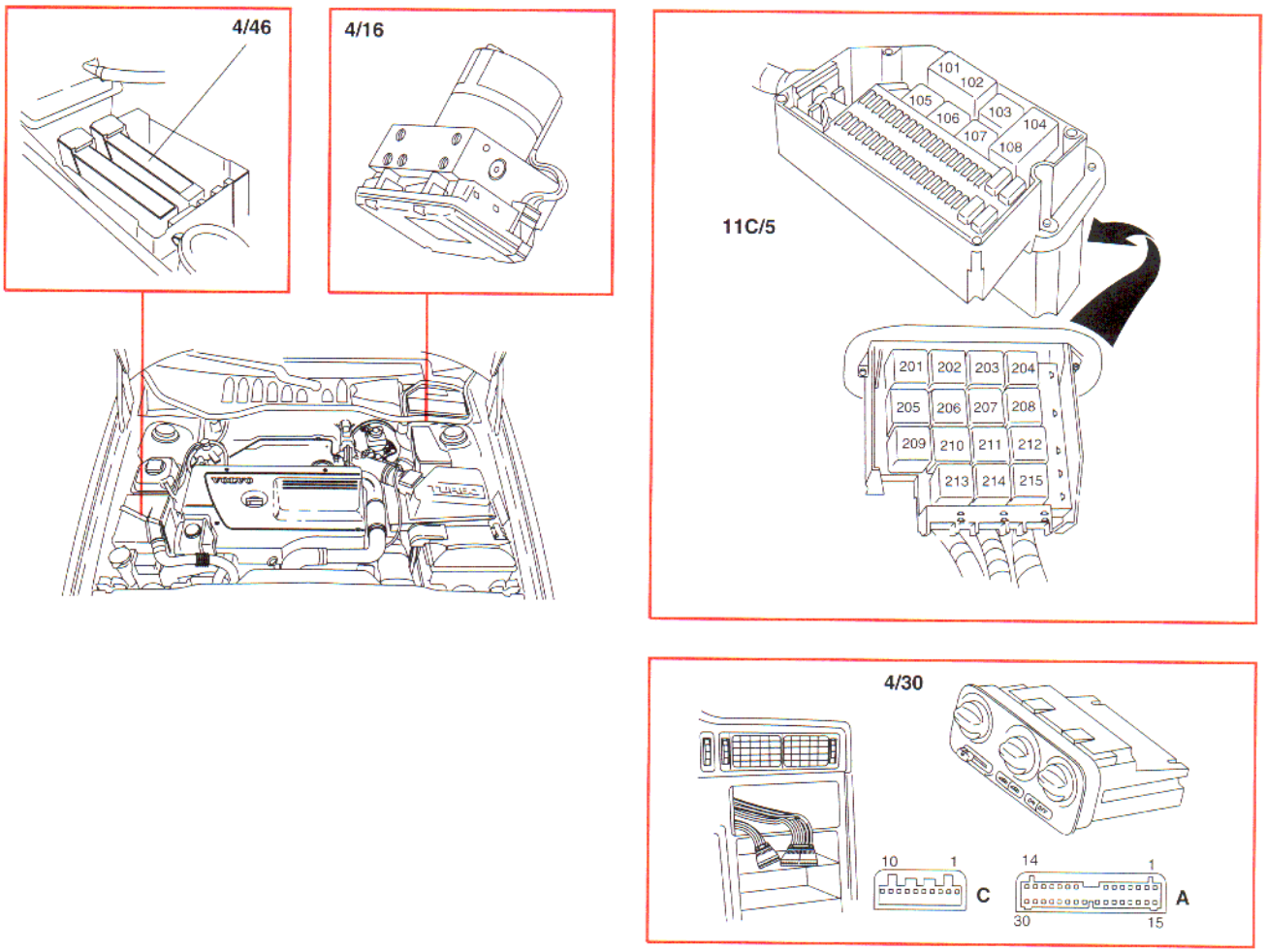
On-board diagnostic system (OBD system)
Fenix 5.2, Motronic 4.3/4.4





On-board diagnostic system (OBD system)
MSA 15.7




4/46
4/16
11C/5
101
102
103
104
105
106
107
108
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
4/30
10
1
C
14
1
A
30
15
24/13
B
Y
4/22
1 2 3 4 5 6 7 8 9 10
24/61
1 2 3
4 5 6 7 8 9
10 11 12 13 14 15
24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14
2/76
24/2
B
C
B
A
W
31/15
4/9
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
30 29 28 27 26 25 24 23 22 21 20 19 18 17 18
4/37
4/29
16/45
24/4
B
R
24/3
C
R
17/13
1
8
16
9
24/7B
4 3 2 1
10 9 8 7 6 5

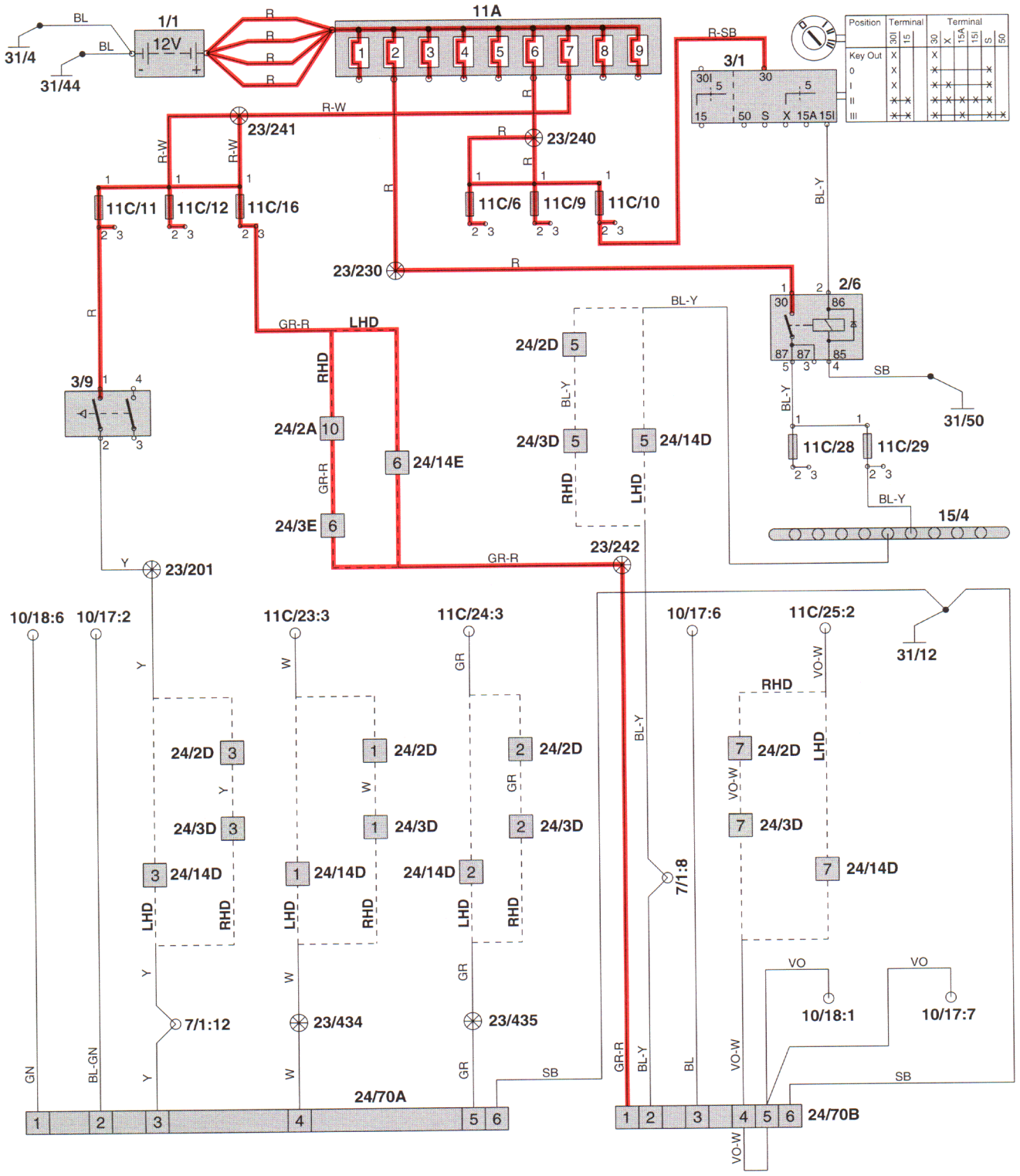
Tow hitch cable harness
C70

24/70A

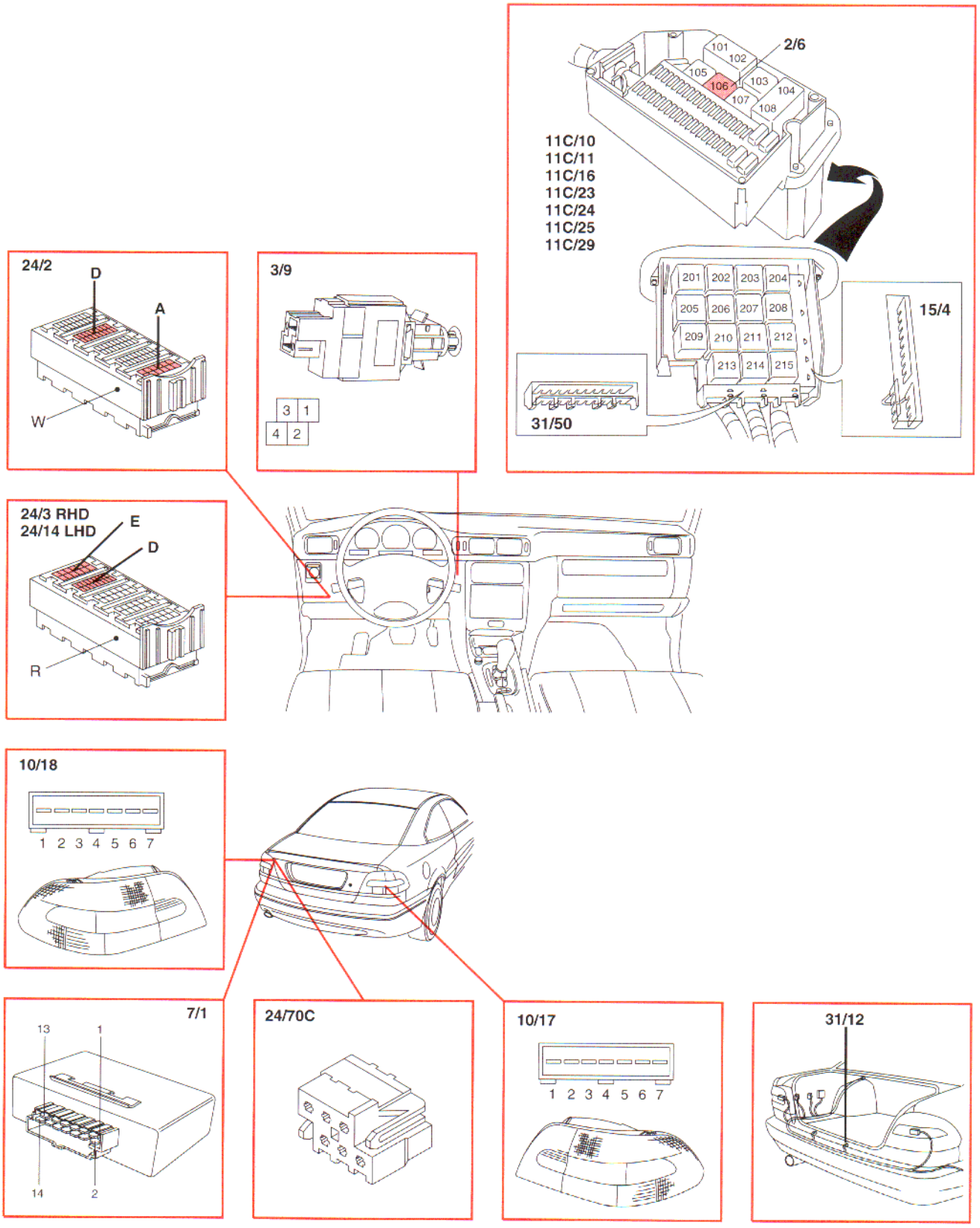
1 Left turn signal lamp
2 Right turn signal lamp
3 Stop (brake) lamp
4 Parking lamps
5 Parking lamps
6 Ground terminal

24/70B

1 30-supply
2 15I-supply
3 Back-up (reversing) lamp
4 Fog tail lamp
5 Fog tail lamp, bridging
6 Ground terminal



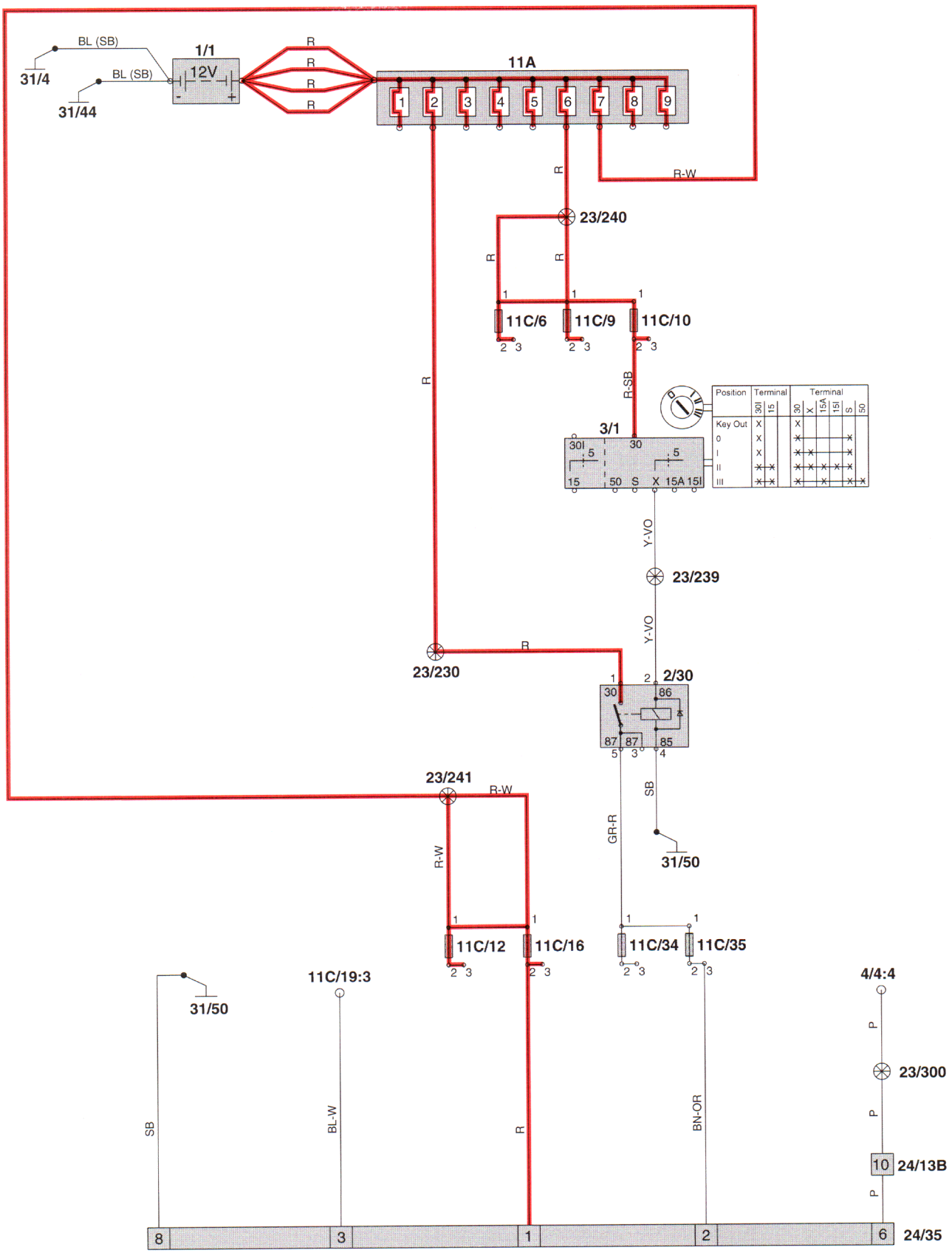
Tow hitch cable harness
C70

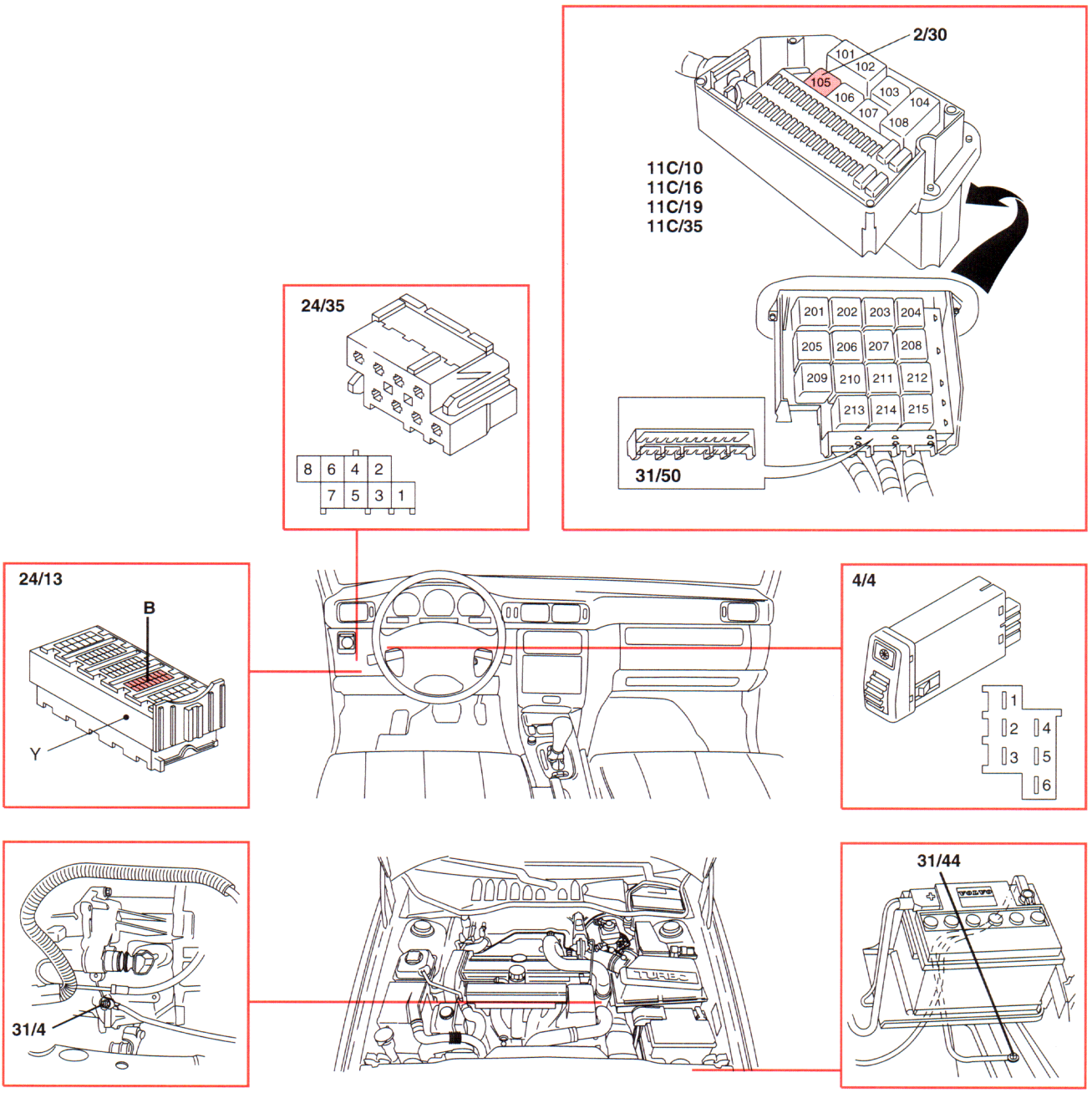


Accessory wiring

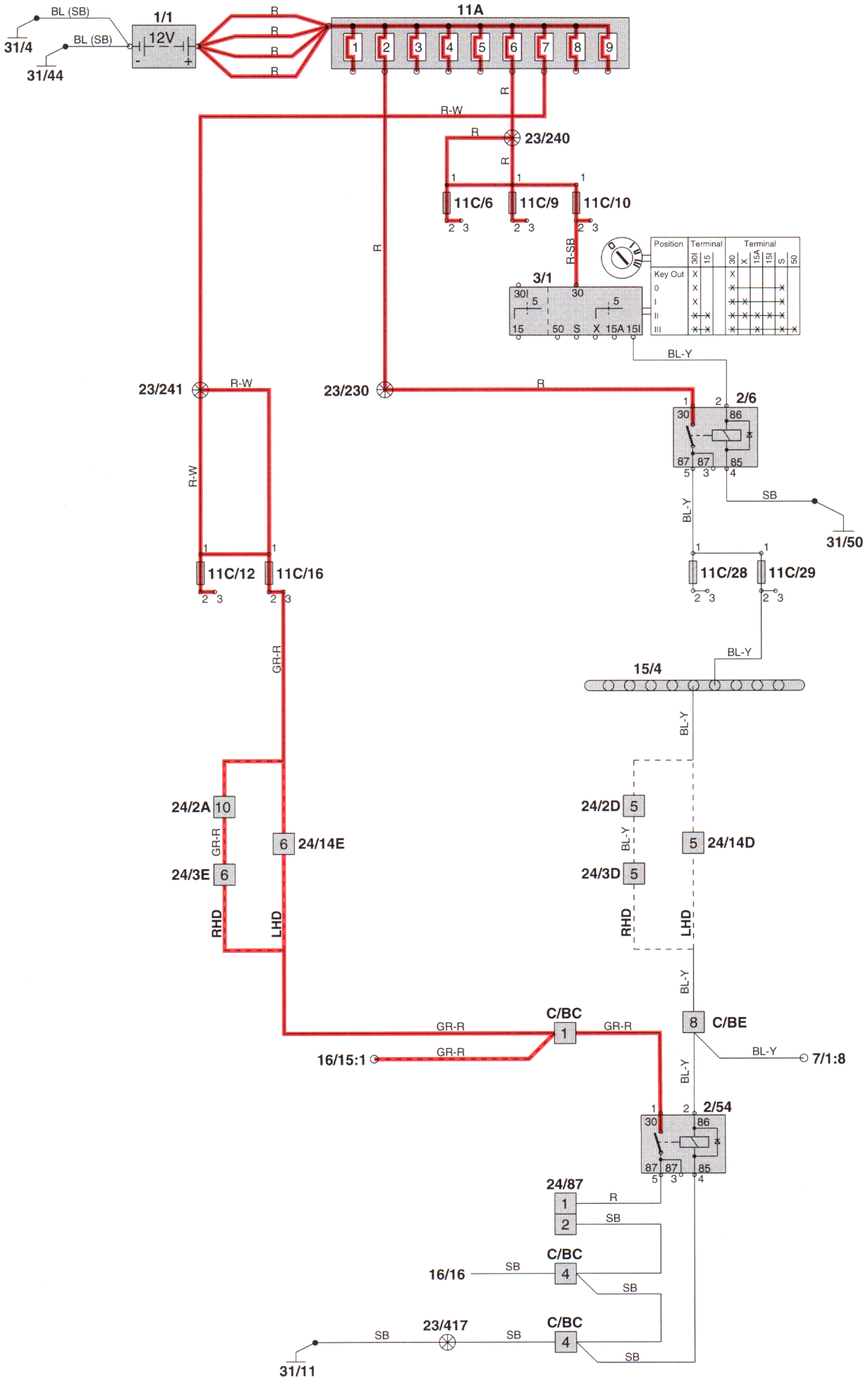
24/35

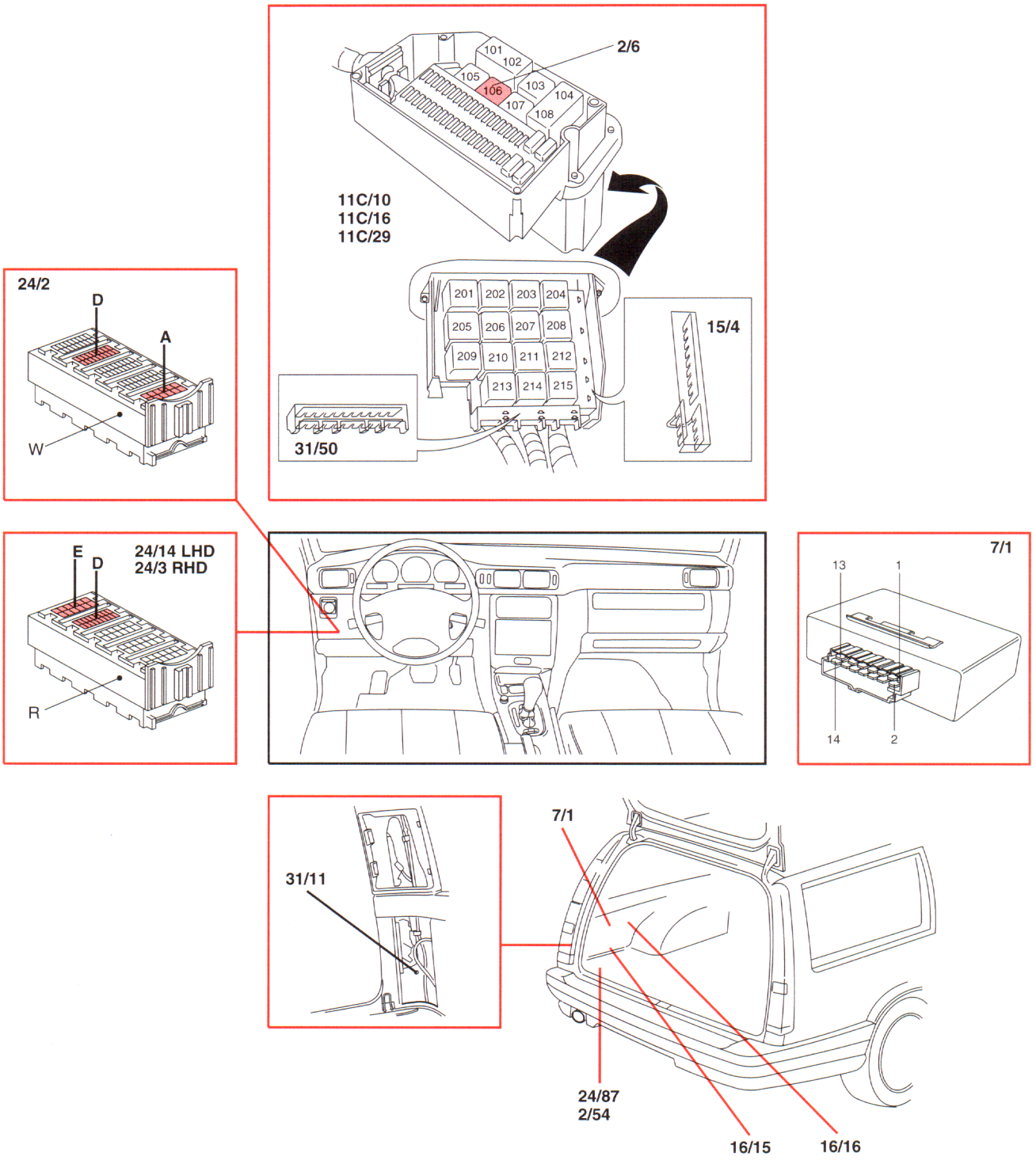
1 30-supply
2 X-supply
3 High beam
6 Rheostat, variable supply
8 Ground point




2/30
101
102
105
106
103
104
107
108
11C/10
11C/16
11C/19
11C/35
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50
24/35
8
6
4
2
7
5
3
1
24/13
B
Y
4/4
1
2
4
3
5
6
31/4
31/44

Cool box wiring




2/6
101
102
103
104
105
106
107
108
11C/10
11C/16
11C/29
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
15/4
31/50
24/2
D
A
W
E
D
24/14 LHD
24/3 RHD
R
7/1
13
1
14
2
31/11
7/1
24/87
2/54
16/15
16/16

Combined instrument panel

Connectors in combined instrument panel

A 30-pin connector

1	turn signal lamp, right (+)
2	-
3	Speedometer, input signal
4	Fuel level sensor (-)
5	Fuel level sensor (+)
6	Digital speedometer output 48 pulses/revolution
7	Digital speedometer output 12 pulses/revolution
8	-
9	Fuel consumption
10	Instrument lighting, Rheostat (+)
11	Tachometer, input signal
12	Winter program and low gear position (automatic transmission)
13	Generator signal, D+
14	Engine coolant level switch
15	Signal ground (31/51)
16	30-supply
17	Power ground (31/50)
18	15-supply
19-23	-
24	Outside temperature sensor (+)
25	Outside temperature sensor (-)
26	Engine Coolant Temperature (ECT) sensor
27	-
28	Brake fluid level switch (-)
29	TRACS
30	Oil pressure switch (-)

B 16-pin connector

1	Exhaust temperature sensor (-), Diesel pre-heating
2	High beam (+)
3	SRS Sensor
4	Data link connector (DLC)
5	X-supply
6	ABS brake system
7	Turn signal lamp, left (+)
8	Fog tail lamp (+)
9	Turn signal lamp trailer (+)
10	Bulb failure warning sensor (-)
11	Check engine (-)
12	Washer fluid level switch (-)
13	Parking brake switch (-)
14	Tailgate open
15-16	-

C 1-pin connector

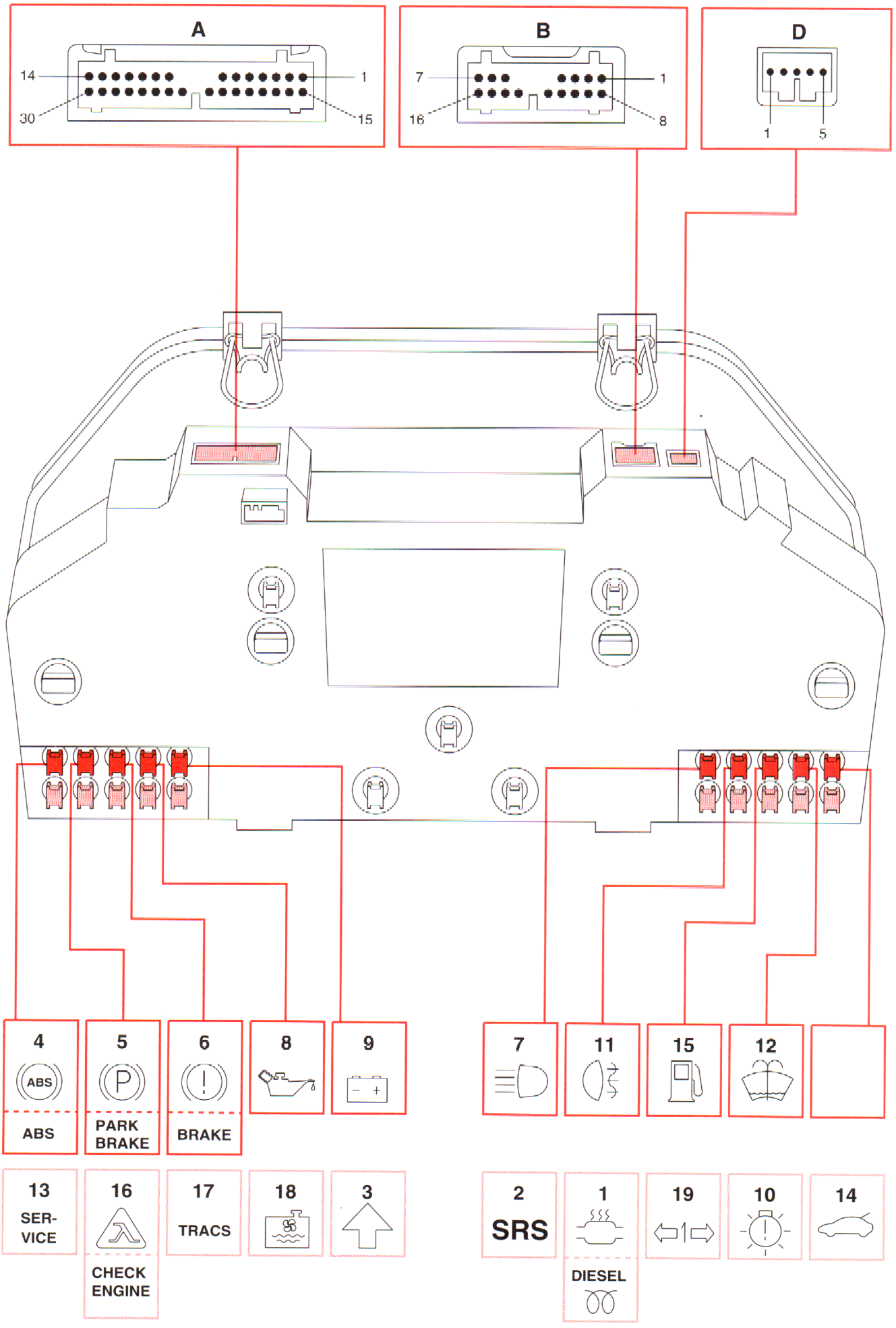
Digital speedometer output, 12 pulses/revolution (for accessories)

D 5-pin connector

1	Instrument lighting, Rheostat (+)
2	Signal ground (31/51)
3	Function signal
4	Function signal
5	Function signal

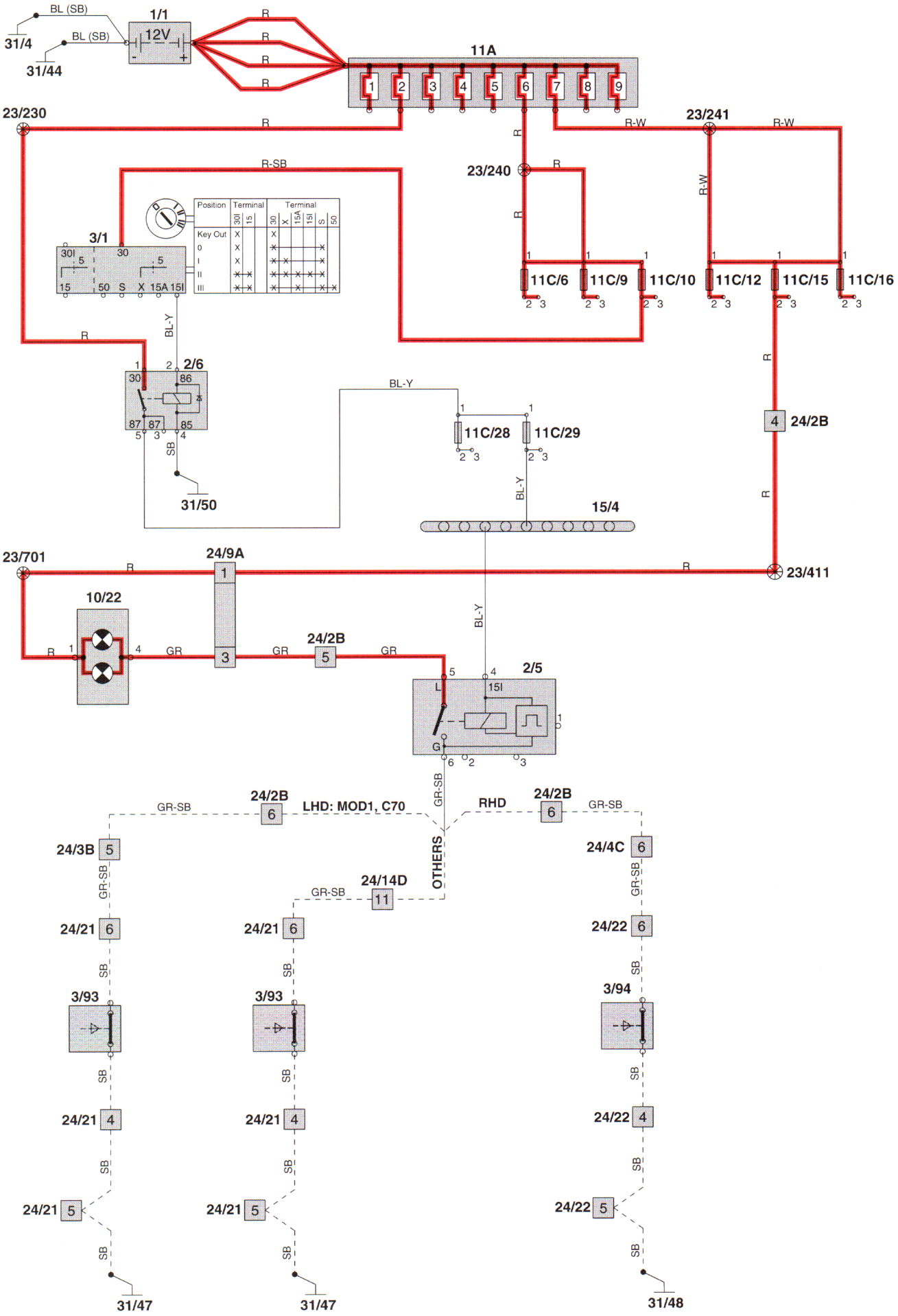
Instrument lamps

1	Exhaust temperature indicator lamp
2	SRS indicator lamp
3	Winter program indicator lamp/ shift indicator
4	ABS warning lamp
5	Parking brake indicator lamp
6	Brake warning lamp
7	High beam warning lamp
8	Oil pressure indicator lamp
9	Ignition light
10	Bulb failure warning lamp
11	Fog tail lamp indicator lamp
12	Windshield washer reservoir level indicator lamp
13	Service reminder indicator (SRI)
14	Tailgate indicator lamp
15	Fuel level indicator lamp
16	Check engine indicator lamp
17	TRACS indicator lamp
18	Engine coolant level indicator lamp
19	Trailer indicator lamp

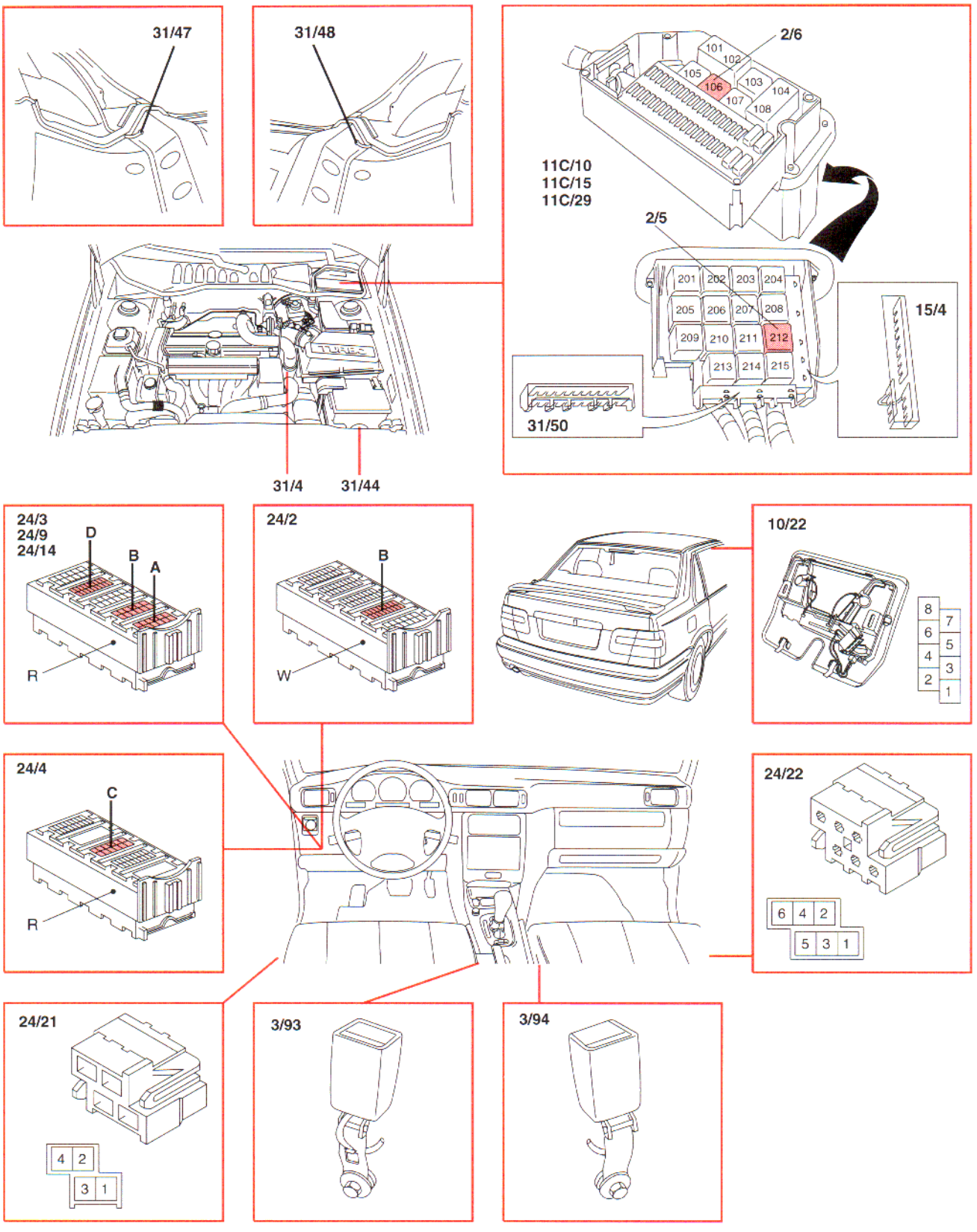

A
14
1
30
15
B
7
1
16
8
D
1
5
4
ABS
ABS
5
PARK BRAKE
6
BRAKE
8
9
7
11
15
12
13
SER-VICE
16
CHECK ENGINE
17
TRACS
18
3
2
SRS
1
DIESEL
19
10
14

Seat belt reminder

For function diagram, see Page 270.

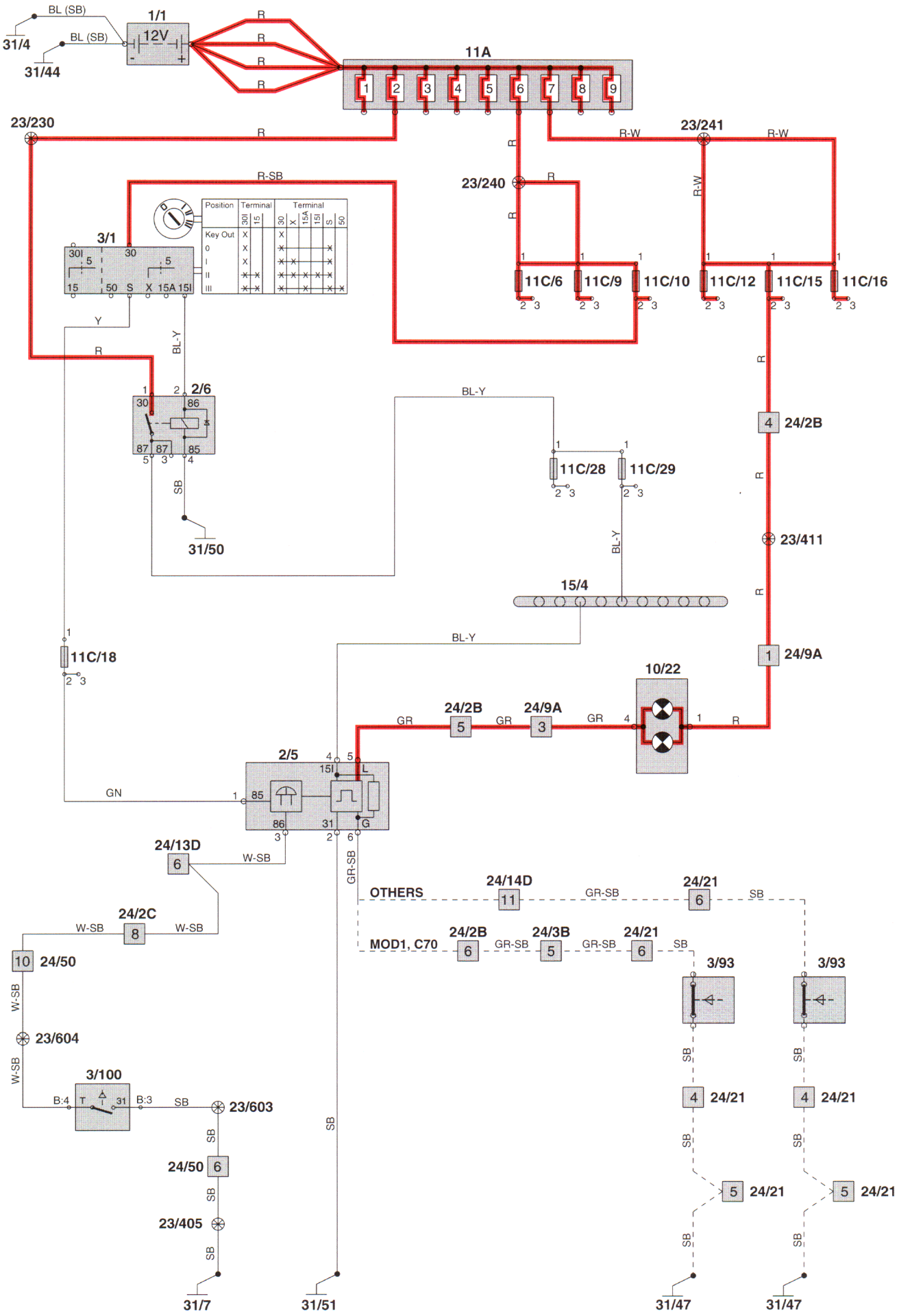


Seat belt reminder

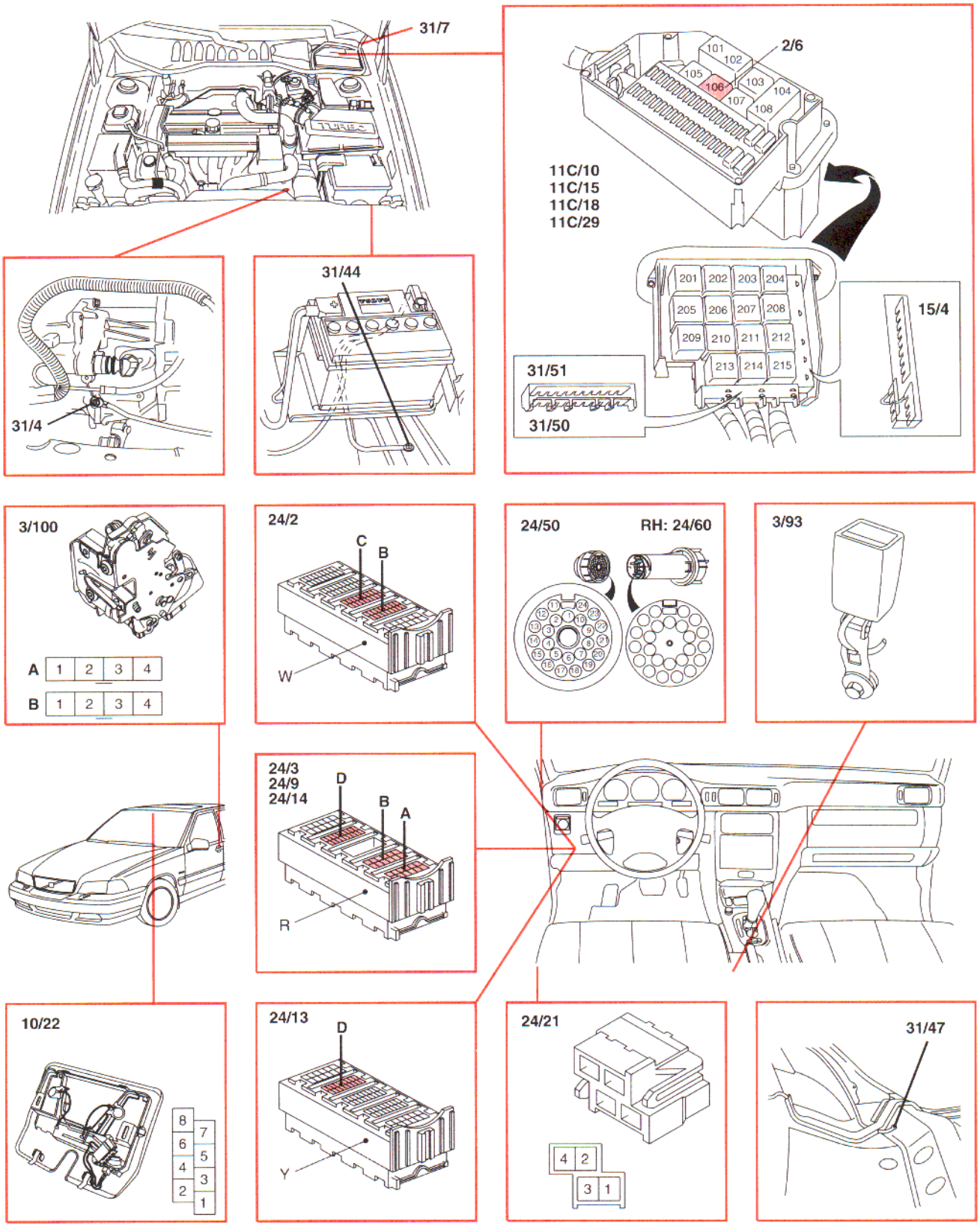


Seat belt reminder and ignition warning
USA, Canada and Korea

For function diagram, see Page 271.

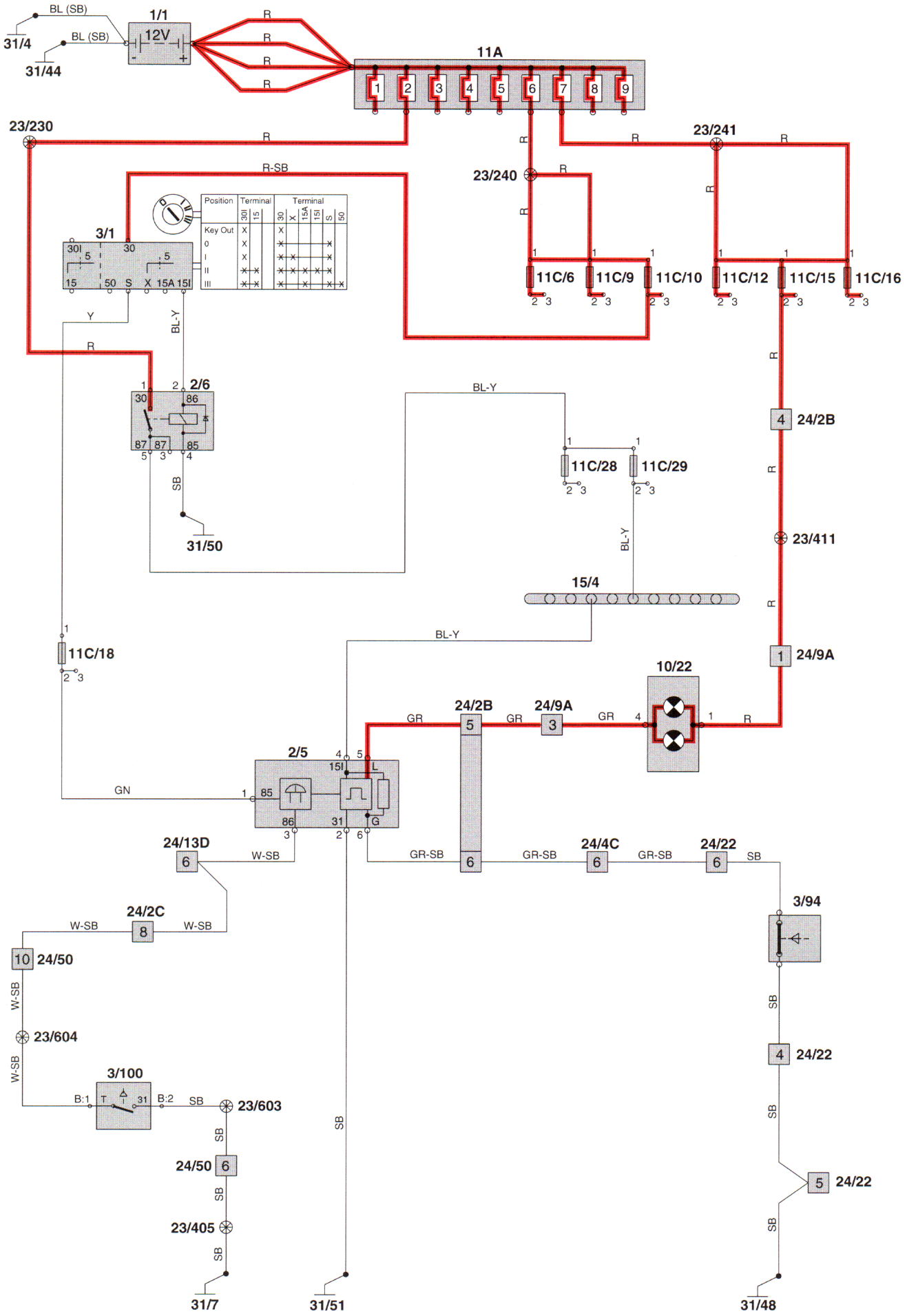


Seat belt reminder and ignition warning
USA, Canada and Korea

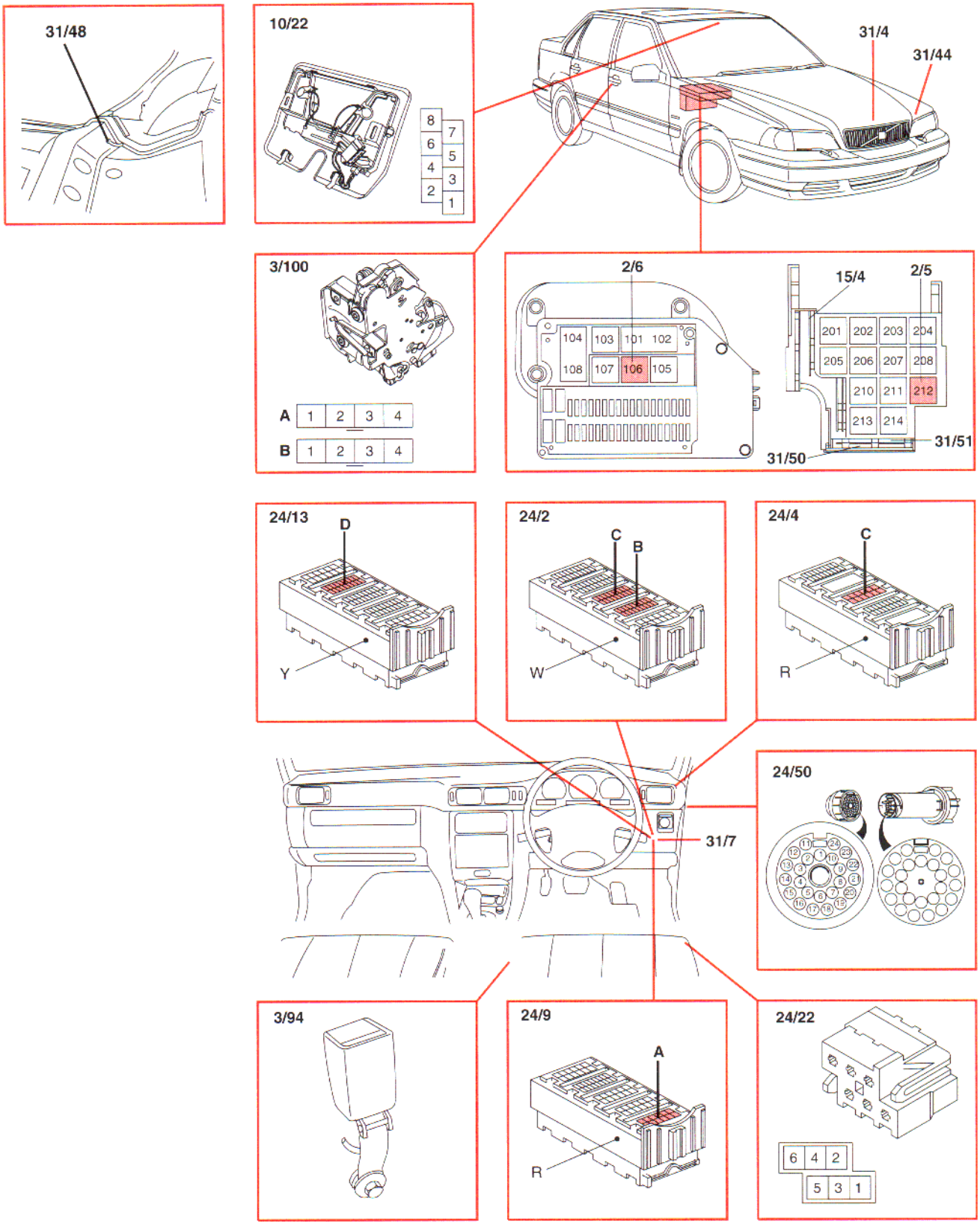


Seat belt reminder and ignition warning
Australia

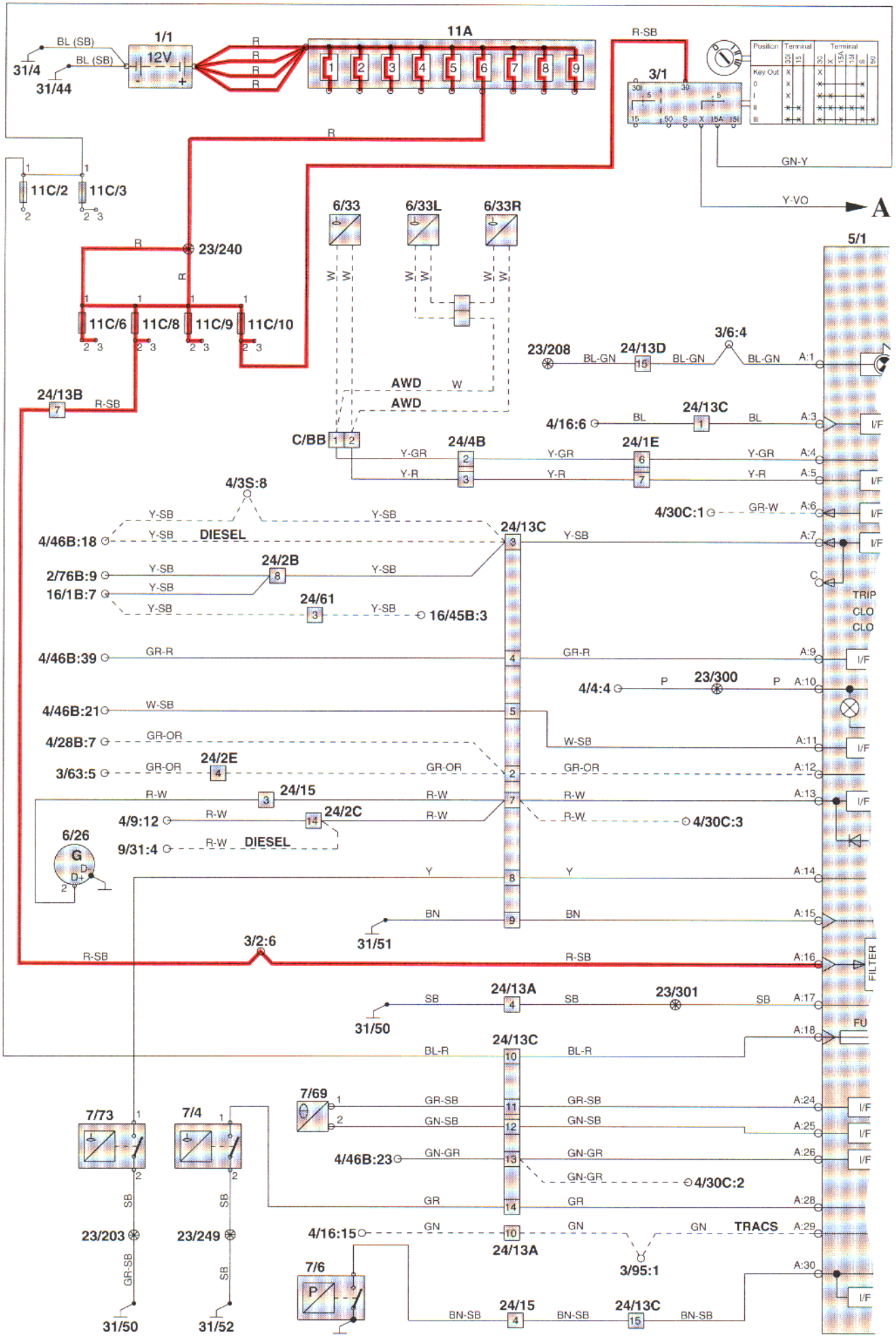
For function diagram, see Page 271.

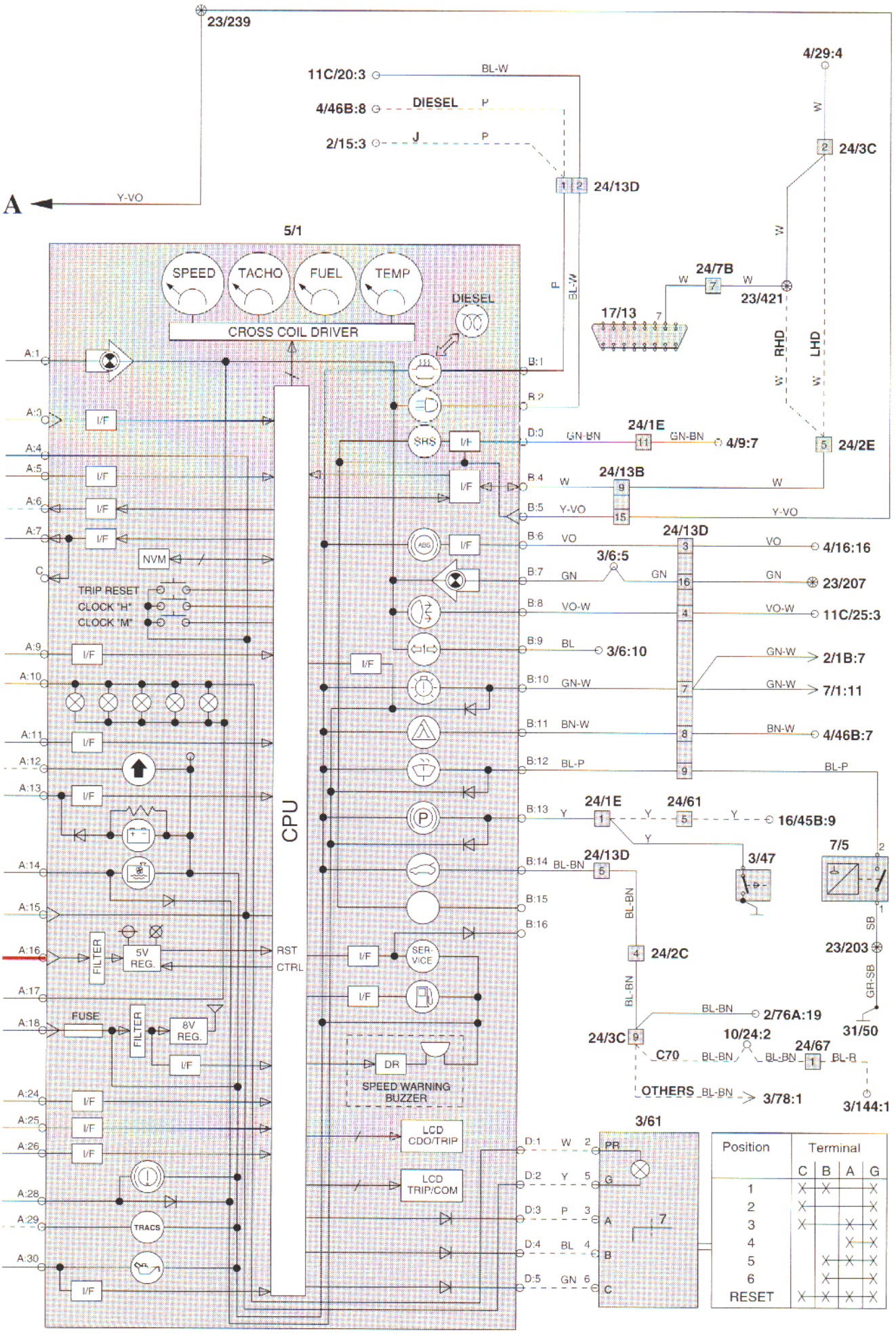


Seat belt reminder and ignition warning
Australia

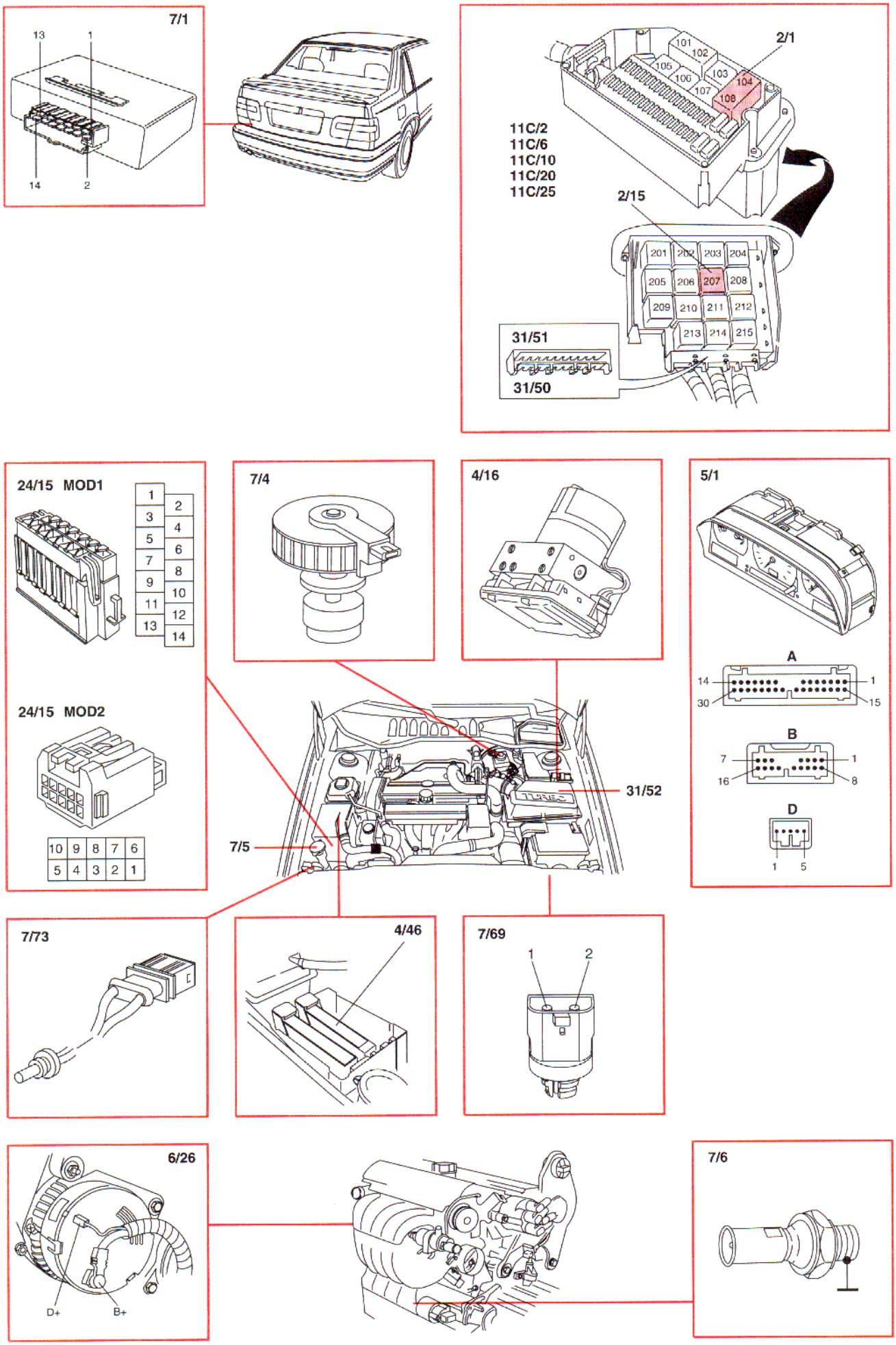


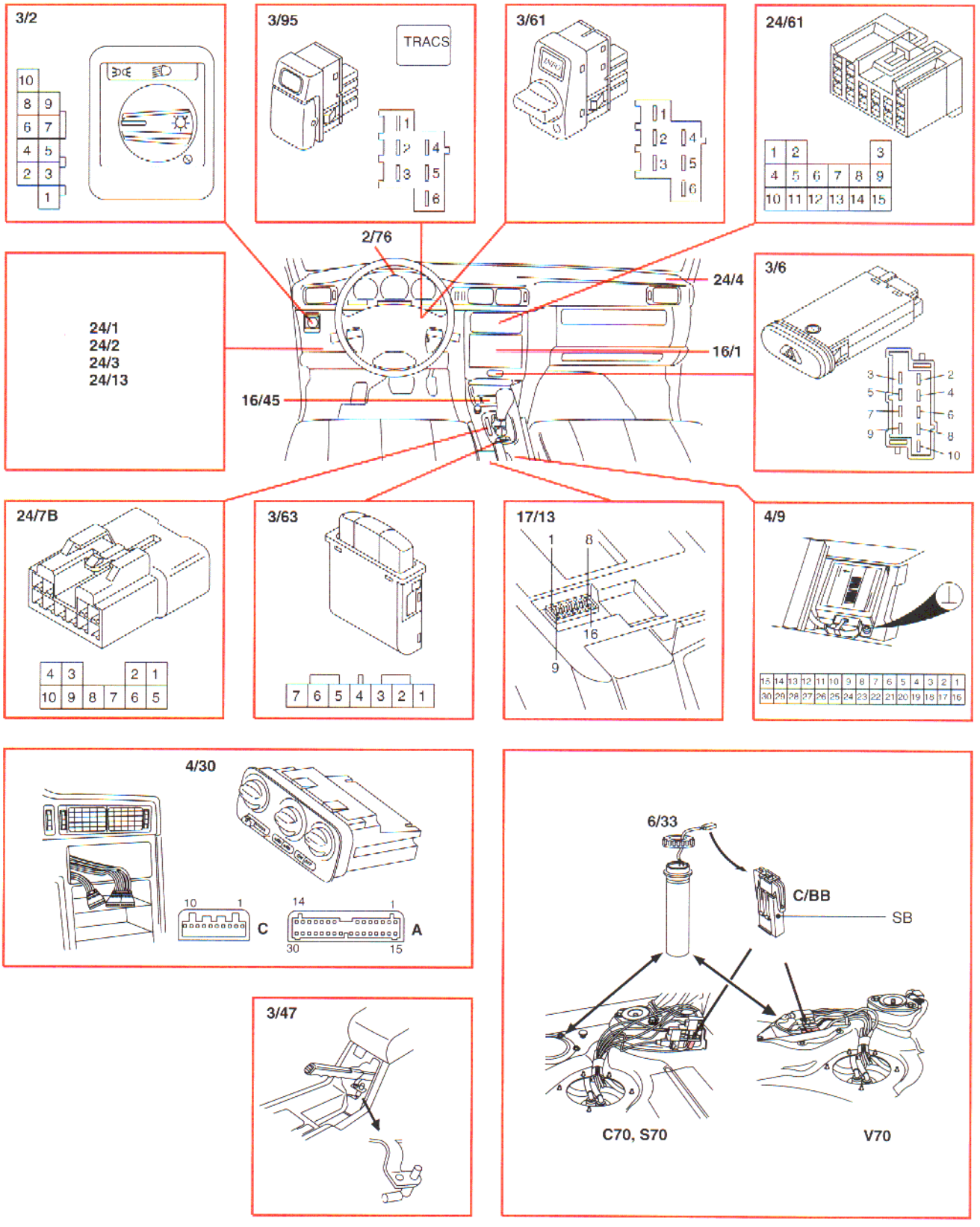
Combined instrument panel



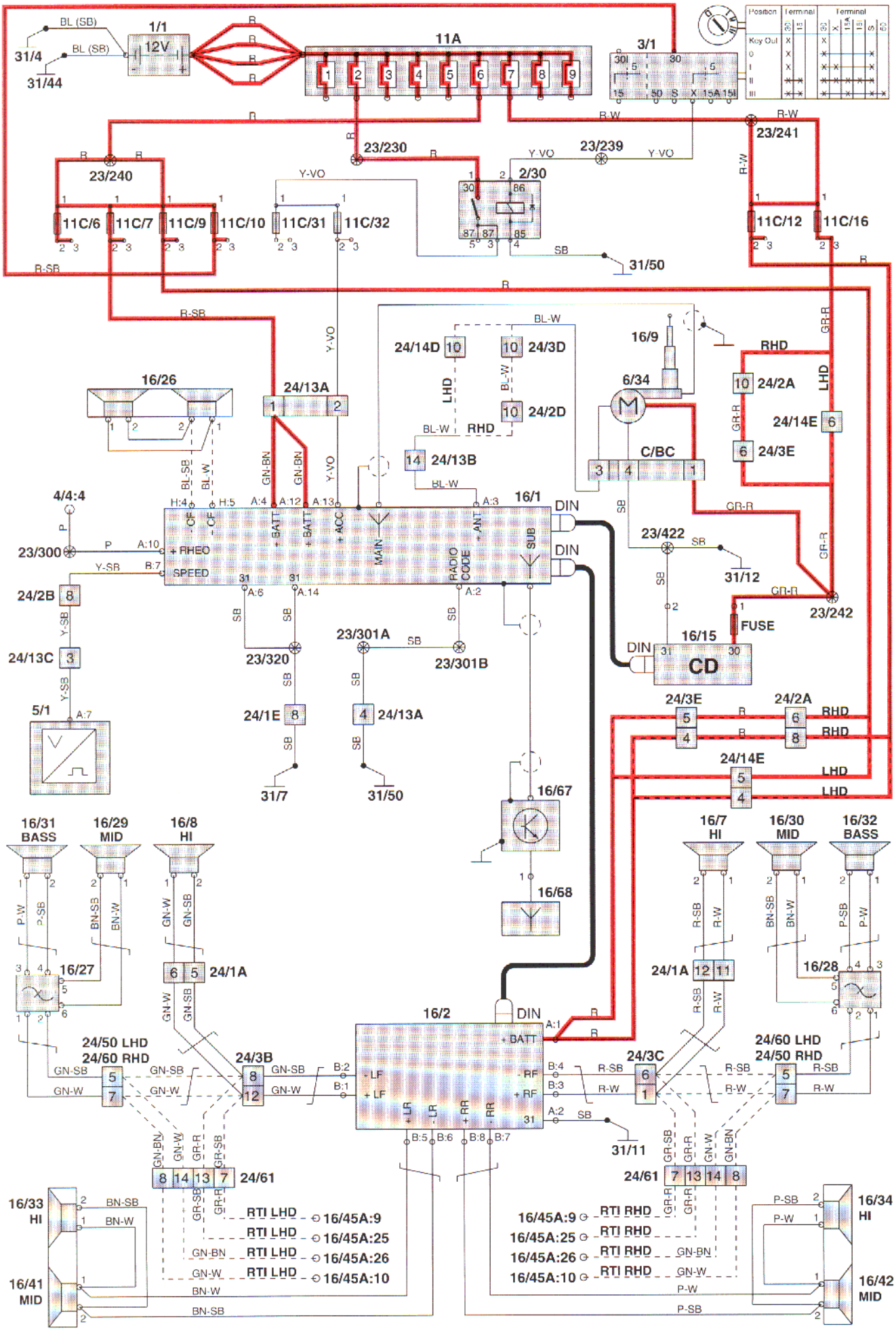

23/239
A
Y-VO
11C/20:3
BL-W
4/46B:8
DIESEL
P
2/15:3
J
P
24/13D
4/29:4
W
24/3C
W
24/7B
W
W
23/421
17/13
7
RHD
LHD
W
W
5/1
SPEED
TACHO
FUEL
TEMP
DIESEL
CROSS COIL DRIVER
P
BL-W
A:1
A:3
A:4
A:5
A:6
A:7
C
I/F
NVM
TRIP RESET
CLOCK "H"
CLOCK "M"
A:9
A:10
A:11
A:12
A:13
A:14
A:15
A:16
A:17
A:18
A:24
A:25
A:26
A:28
A:29
A:30
FUSE
FILTER
5V REG.
6V REG.
TRACS
CPU
RST
CTRL
SRS
ABS
SER-VICE
DR
SPEED WARNING BUZZER
LCD CDO/TRIP
LCD TRIP/COM
B:1
B:2
D:0
GN-BN
24/1E
11
GN-BN
4/9:7
24/2E
B:4
W
24/13B
9
W
B:5
Y-VO
15
Y-VO
B:6
VO
24/13D
3
VO
4/16:16
3/6:5
B:7
GN
GN
16
GN
23/207
B:8
VO-W
4
VO-W
11C/25:3
B:9
BL
3/6:10
GN-W
2/1B:7
B:10
GN-W
7
GN-W
7/1:11
B:11
BN-W
8
BN-W
4/46B:7
B:12
BL-P
9
BL-P
B:13
Y
24/1E
1
Y
5
Y
16/45B:9
Y
24/61
B:14
BL-BN
24/13D
5
3/47
7/5
2
B:15
B:16
BL-BN
4
24/2C
SB
23/203
GR-SB
BL-BN
BL-BN
2/76A:19
31/50
24/3C
9
10/24:2
C70
BL-BN
BL-BN
24/67
1
BL-B
OTHERS
BL-BN
3/78:1
3/144:1
3/61
D:1
W
2
PR
D:2
Y
5
G
D:3
P
3
A
D:4
BL
4
B
D:5
GN
6
C
7
Position
Terminal
C
B
A
G
1
2
3
4
5
6
RESET

Combined instrument panel

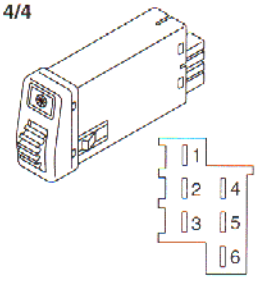



3/2
10
8 9
6 7
4 5
2 3
1
3/95
TRACS
1
2 4
3 5
6
3/61
1
2 4
3 5
6
24/61
1 2 3
4 5 6 7 8 9
10 11 12 13 14 15
2/76
24/4
16/1
16/45
24/1
24/2
24/3
24/13
3/6
3 2
5 4
7 6
9 8
10
24/7B
4 3 2 1
10 9 8 7 6 5
3/63
7 6 5 4 3 2 1
17/13
1
8
16
9
4/9
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
30 29 28 27 26 25 24 23 22 21 20 19 18 17 16
4/30
10 1
C
14 1
30 15
A
3/47
6/33
C/BB
SB
C70, S70
V70

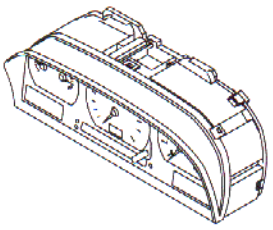
Radio
C70


BL (SB)
31/4
31/44
1/1
12V
11A
3/1
Position
Terminal
Key Out
23/230
23/239
23/241
23/240
2/30
11C/6
11C/7
11C/9
11C/10
11C/31
11C/32
11C/12
11C/16
31/50
24/14D
24/3D
24/2D
24/13B
16/9
6/34
C/BC
RHD
LHD
24/2A
24/14E
24/3E
16/26
24/13A
4/4:4
23/300
24/2B
24/13C
5/1
16/1
DIN
23/422
31/12
23/242
FUSE
16/15
CD
23/320
23/301A
23/301B
24/1E
24/13A
31/7
31/50
16/67
16/68
16/31 BASS
16/29 MID
16/8 HI
16/27
24/1A
16/2
24/50 LHD
24/60 RHD
24/3B
24/3C
16/7 HI
16/30 MID
16/32 BASS
16/28
31/11
24/61
16/33 HI
16/41 MID
16/34 HI
16/42 MID
RTI LHD
RTI RHD
16/45A:9
16/45A:25
16/45A:26
16/45A:10

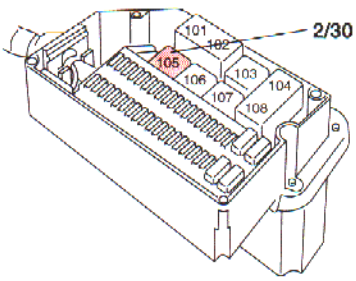
4/4



5/1



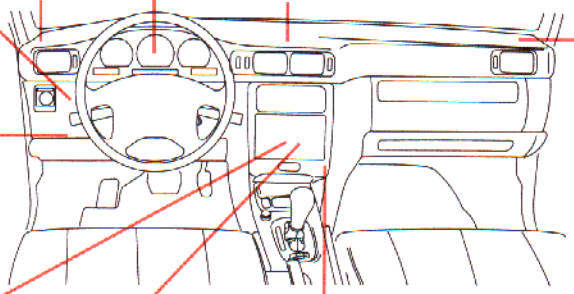
2/30



11C/7
11C/9
11C/10
11C/12
11C/16
11C/31
11C/32

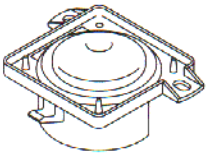
31/7

16/26

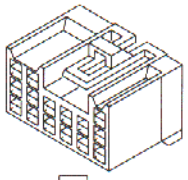


24/1
24/2
24/3
24/13
24/14

16/7 LH: 16/8

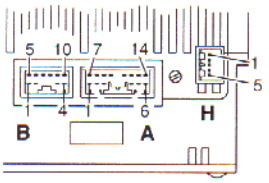


24/61



1	2					3
4	5	6	7	8	9	
10	11	12	13	14	15	

16/1



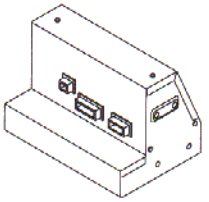
16/45

A

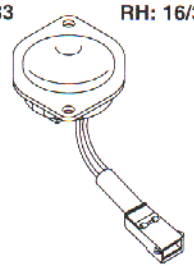
15	16	17	18	19	20	21	22		23	24	25	26	27	28	29	30
1	2	3	4	5	6	7				8	9	10	11	12	13	14

B

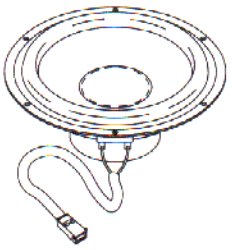
8	9	10	11	12		13	14	15	16
1	2	3	4				5	6	7



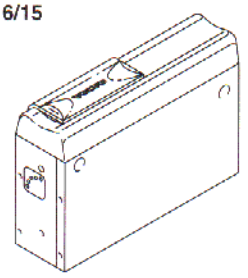
16/33 RH: 16/34

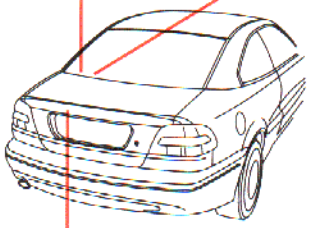


16/41 RH: 16/42

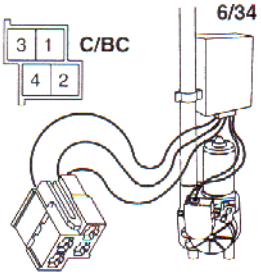


16/15



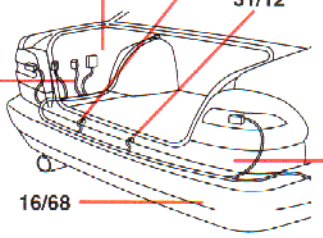


6/34



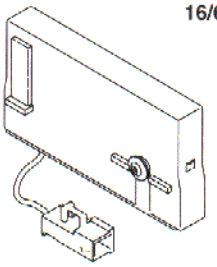
31/11

31/12

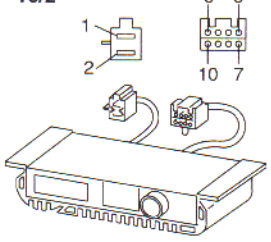


16/68

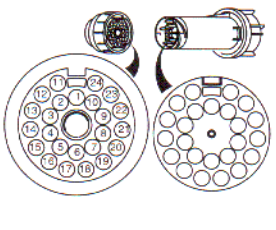
16/67

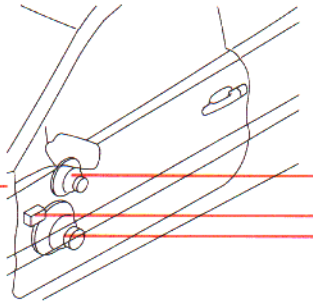


16/2



24/50



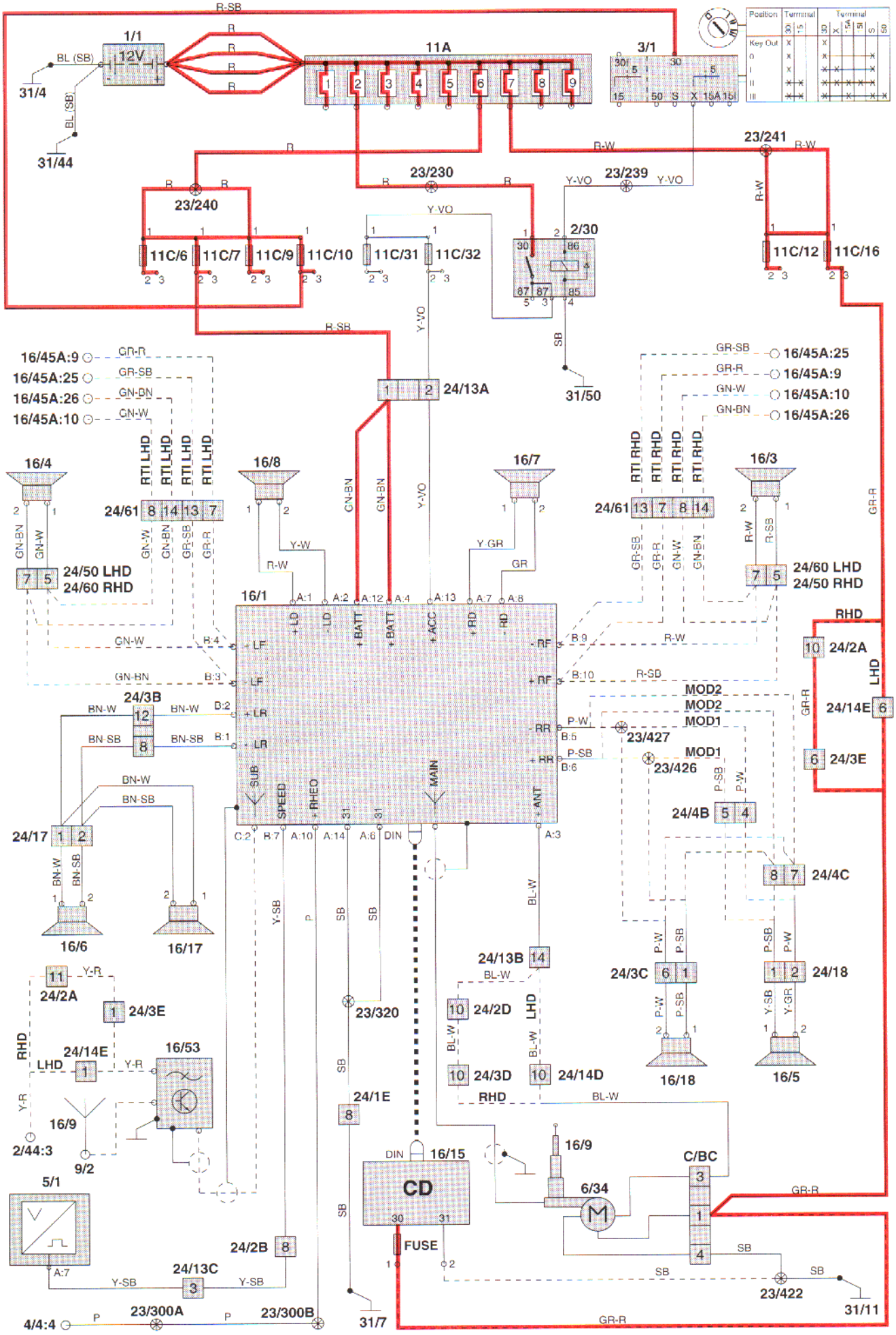


16/29 RH: 16/30

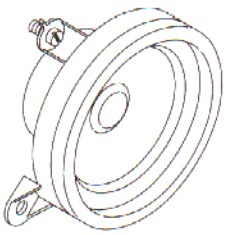
16/27 RH: 16/28

16/31 RH: 16/32

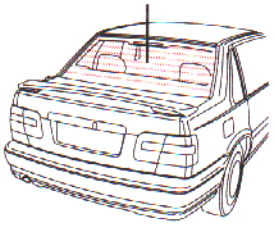
Radio
S70


R-SB
1/1
12V
BL (SB)
31/4
31/44
11A
3/1
Position
Terminal
Key Out
23/241
R-W
23/230
23/239
Y-VO
23/240
11C/6
11C/7
11C/9
11C/10
11C/31
11C/32
2/30
11C/12
11C/16
31/50
24/13A
16/45A:9
16/45A:25
16/45A:26
16/45A:10
GR-R
GR-SB
GN-DN
GN-W
GN-BN
16/4
16/8
16/7
16/3
RTI LHD
RTI RHD
24/61
24/50 LHD
24/60 RHD
16/1
+ LD
- LD
+ BATT
+ ACC
+ RD
- RD
- LF
+ LF
+ LR
- LR
- RF
+ RF
- RR
+ RR
+ ANT
SUB
SPEED
+ RHEO
MAIN
24/3B
24/17
16/6
16/17
RHD
LHD
24/2A
24/3E
24/14E
16/53
16/9
2/44:3
9/2
5/1
24/2B
24/13C
23/300A
23/300B
4/4:4
23/320
24/1E
31/7
DIN
16/15
CD
FUSE
24/13B
24/2D
24/3D
24/14D
MOD2
MOD1
23/427
23/426
24/4B
24/4C
24/3C
24/18
16/18
16/5
C/BC
6/34
23/422
31/11

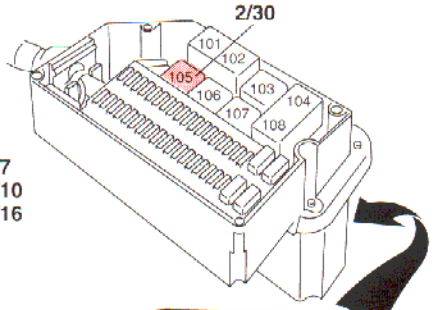
16/4 RH: 16/3



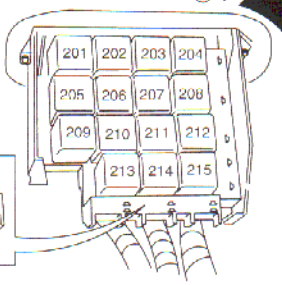
16/9



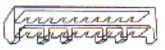
2/30



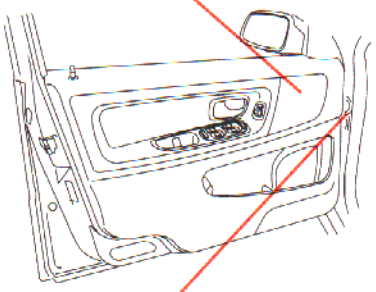
11C/7
11C/10
11C/16



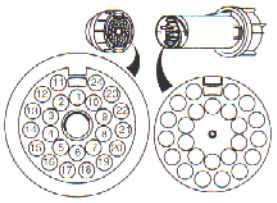
31/51



31/50

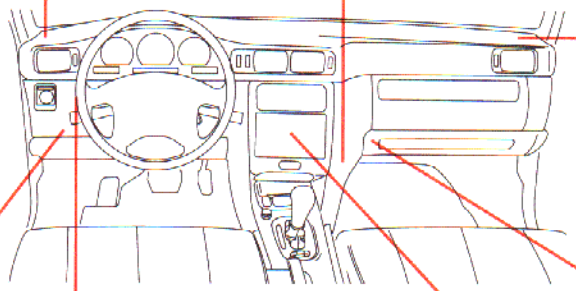


24/50 RH: 24/60

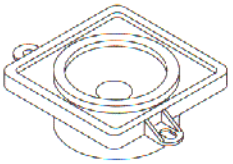


31/7
(RHD 31/15)

16/45

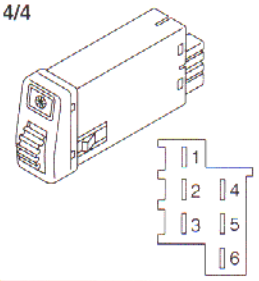


16/7 RH: 16/8

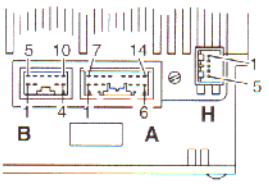


24/1
24/2
24/3
24/4
24/13
24/14

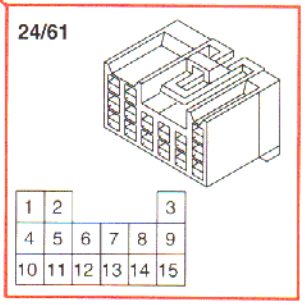
4/4



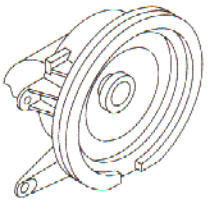
16/1



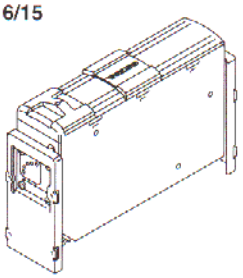
24/61



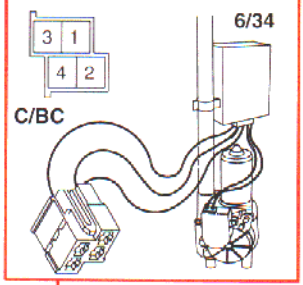
16/6 RH: 16/5



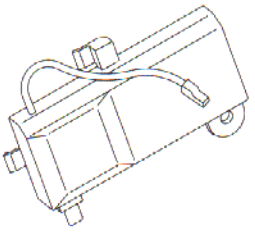
16/15

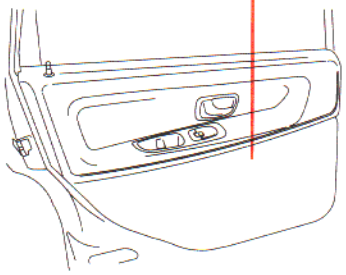


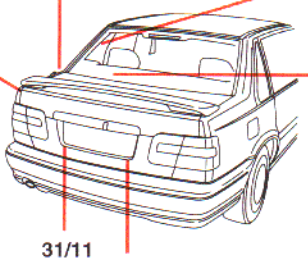
6/34



16/53



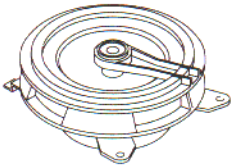


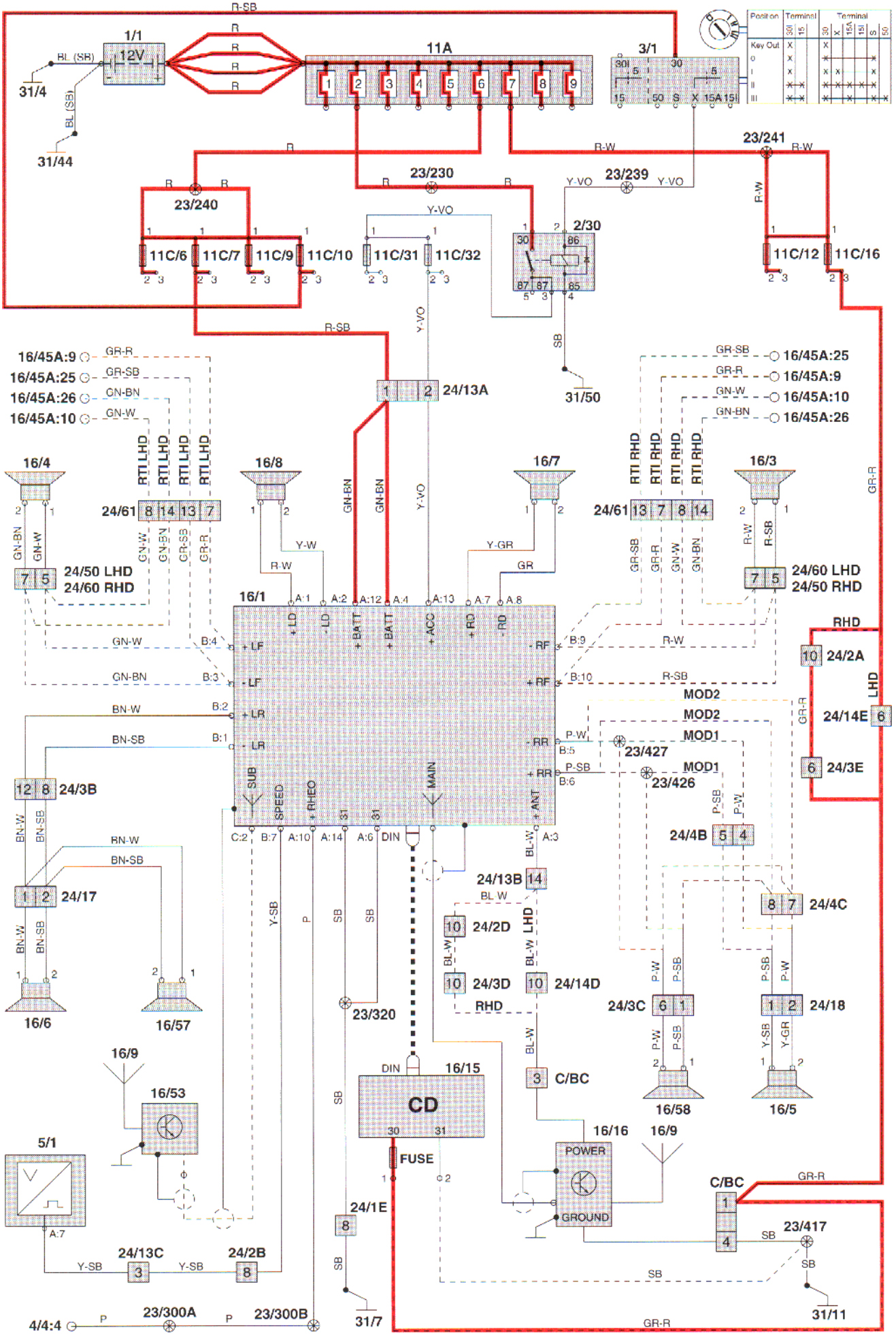


31/11

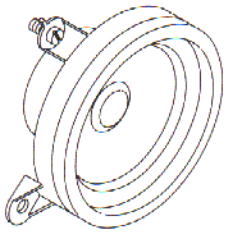
31/12

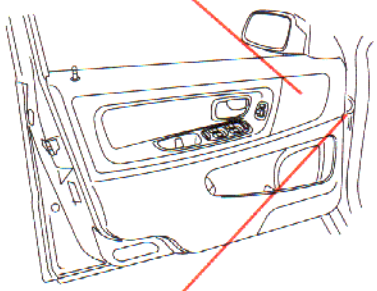
16/17 RH: 16/18



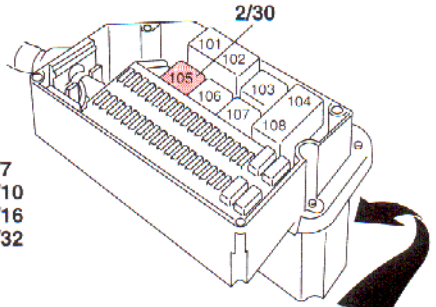

R-SB
1/1
12V
BL (SB)
31/4
31/44
11A
3/1
Position
Terminal
Key Out
23/241
R-W
23/230
23/239
Y-VO
23/240
11C/6
11C/7
11C/9
11C/10
11C/31
11C/32
2/30
11C/12
11C/16
31/50
24/13A
16/45A:9
16/45A:25
16/45A:26
16/45A:10
GR-R
GR-SB
GN-BN
GN-W
16/4
16/8
16/7
16/3
RTI LHD
RTI RHD
24/61
24/50 LHD
24/60 RHD
16/1
+ LF
- LF
+ LR
- LR
- RF
+ RF
- RR
+ RR
SUB
SPEED
+ RHEO
MAIN
+ ANT
MOD2
MOD1
23/427
23/426
RHD
LHD
24/2A
24/14E
24/3E
24/4B
24/4C
24/3B
24/17
24/13B
24/2D
24/3D
24/14D
24/3C
24/18
16/6
16/57
16/58
16/5
23/320
16/9
16/53
5/1
16/15
CD
DIN
FUSE
24/1E
C/BC
POWER
GROUND
16/16
24/13C
24/2B
23/417
4/4:4
23/300A
23/300B
31/7
31/11

16/4 RH: 16/3

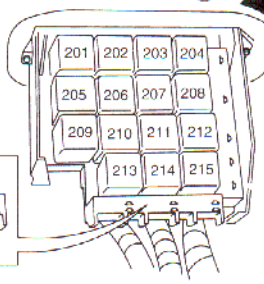




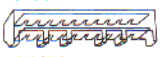
2/30



11C/7
11C/10
11C/16
11C/32

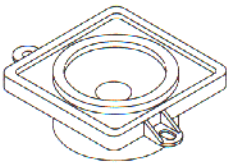


31/51

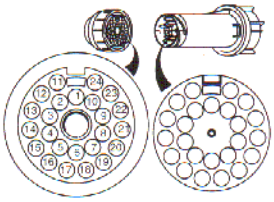


31/50

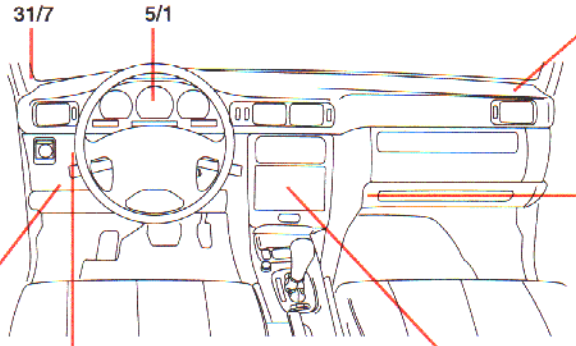
16/7 LH: 16/8



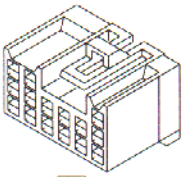
24/50 RH: 24/60



31/7 5/1



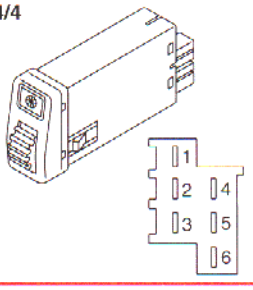
24/61



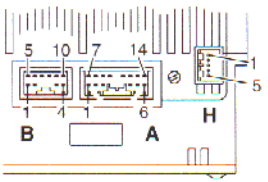
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24/1
24/2
24/3
24/4
24/13
24/14

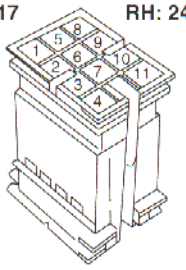
4/4



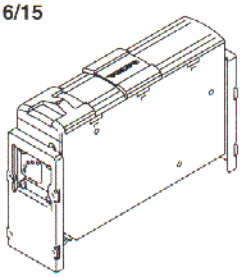
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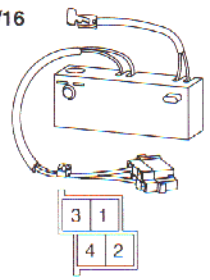
24/17 RH: 24/18



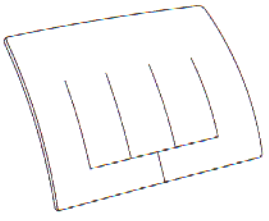
16/15

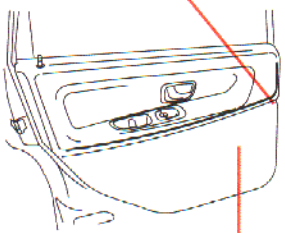


16/16

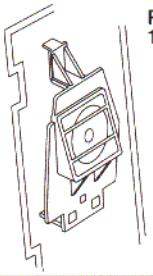


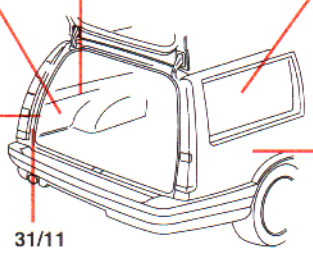
16/9





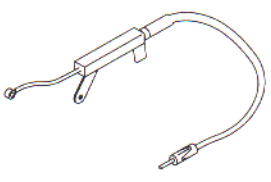
16/57 RH: 16/58



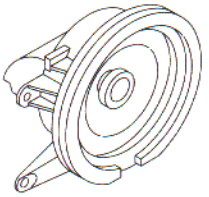


31/11

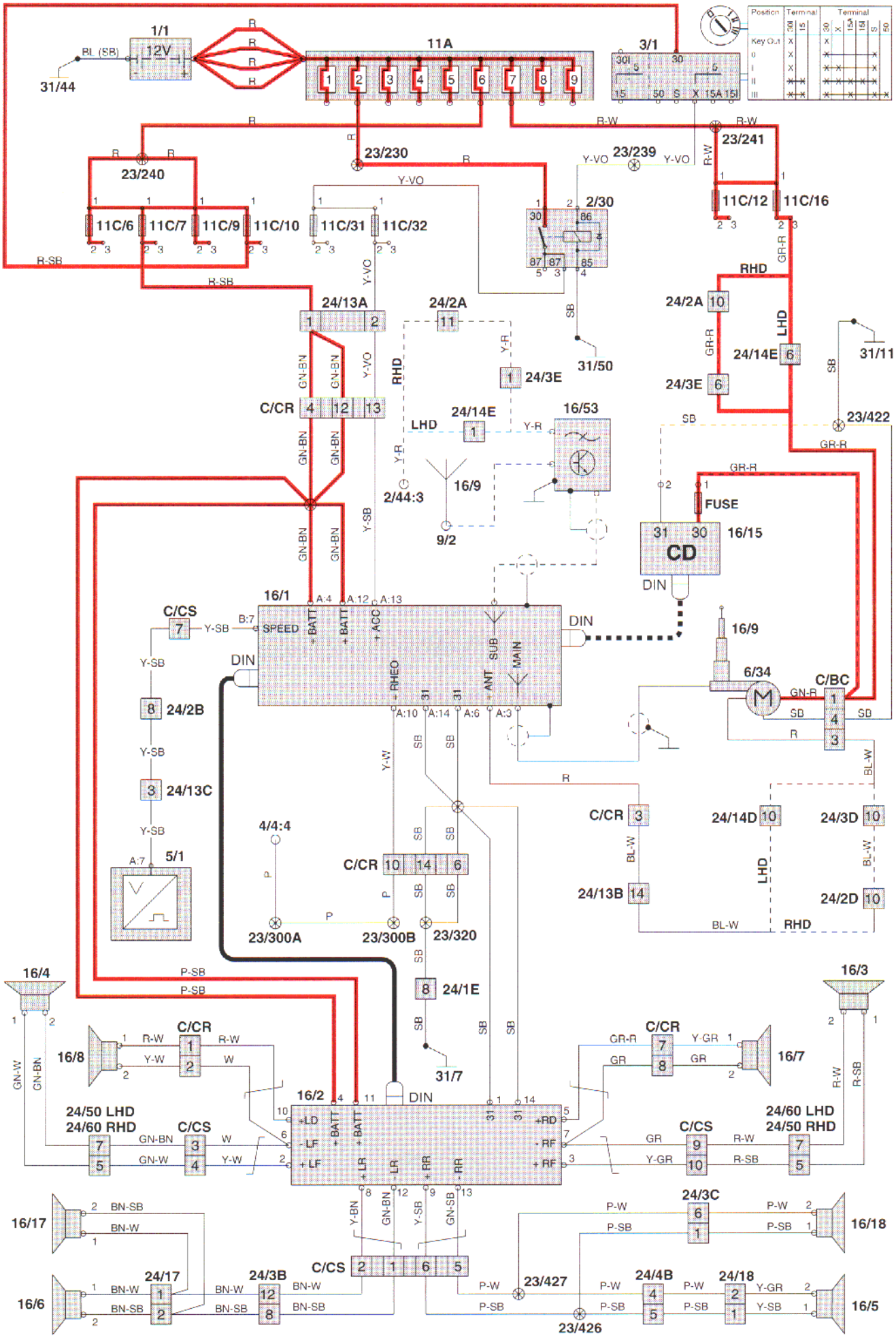
16/53



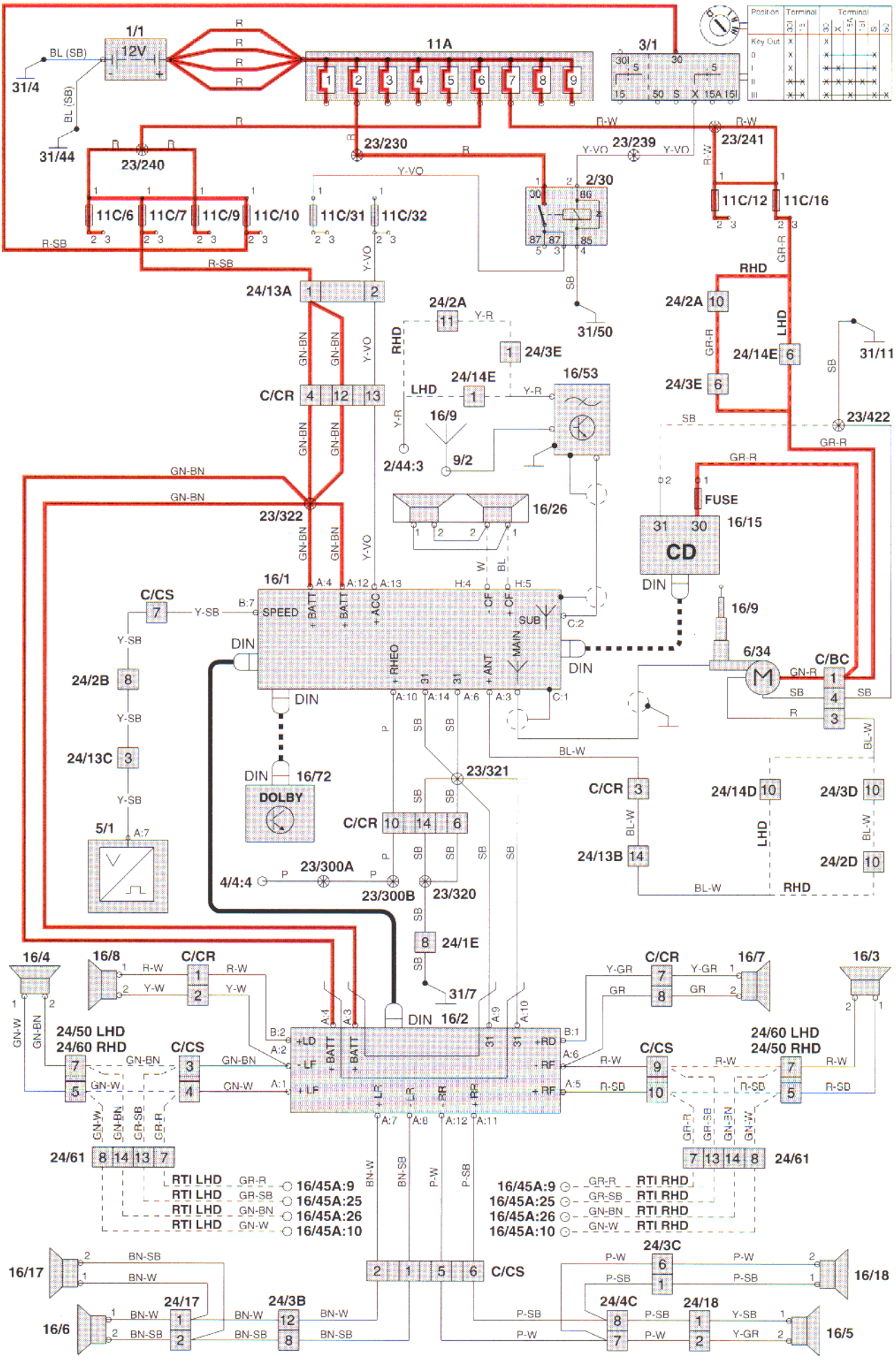
16/6 RH: 16/5



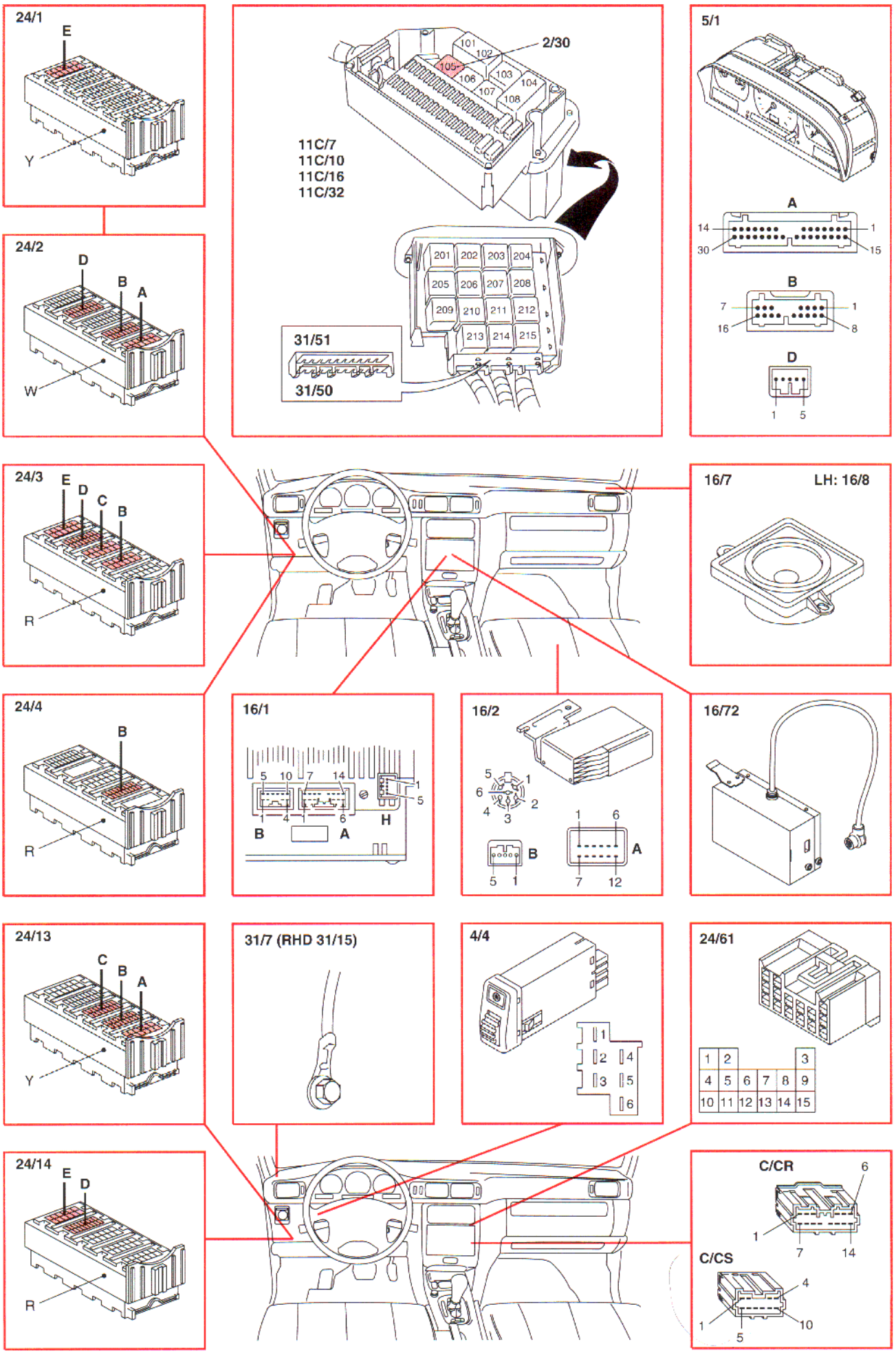
Radio with 4x50 W extra amplifier
S70 MOD1



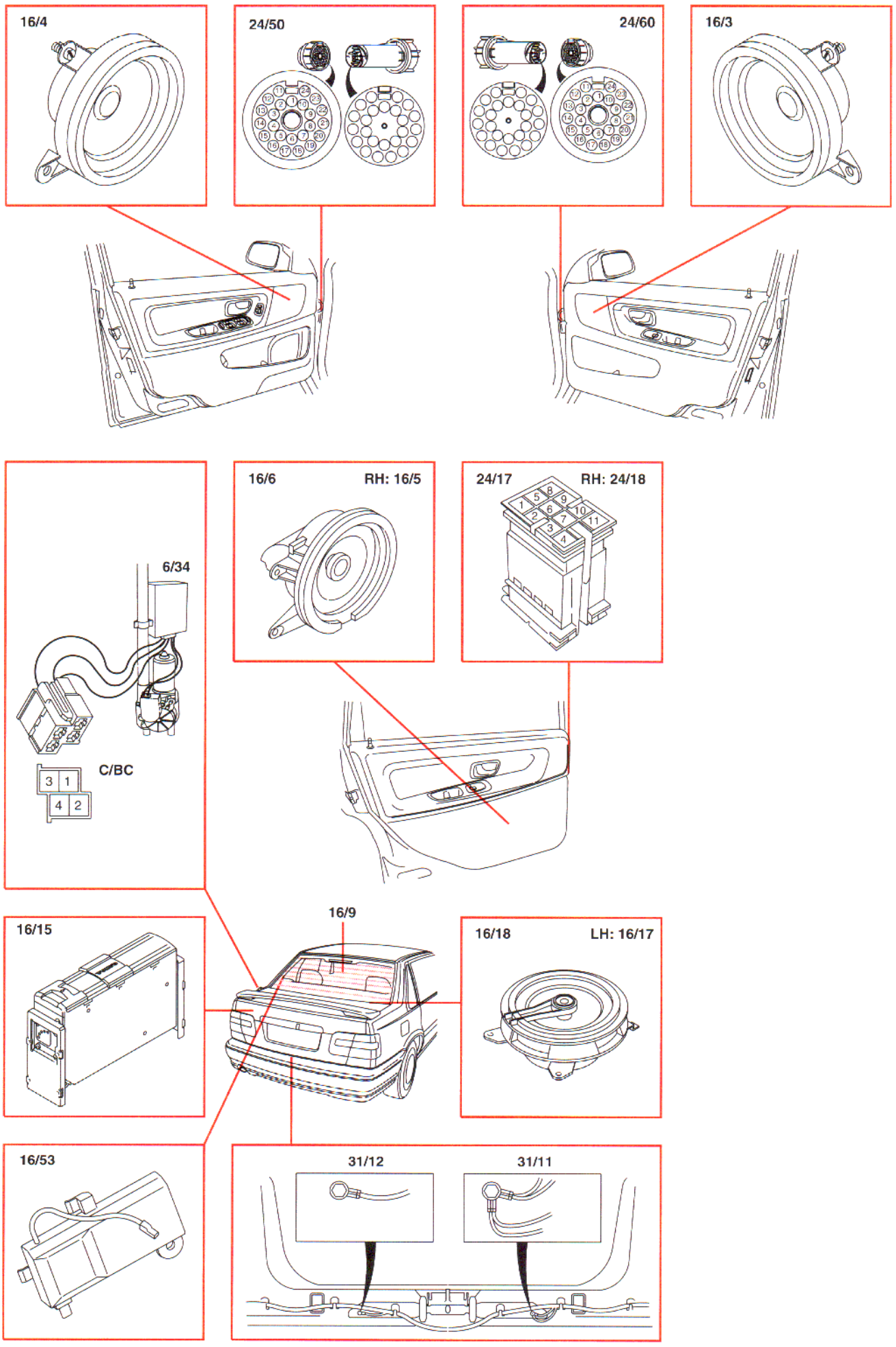
Radio with 4x50 W extra amplifier
S70 MOD2



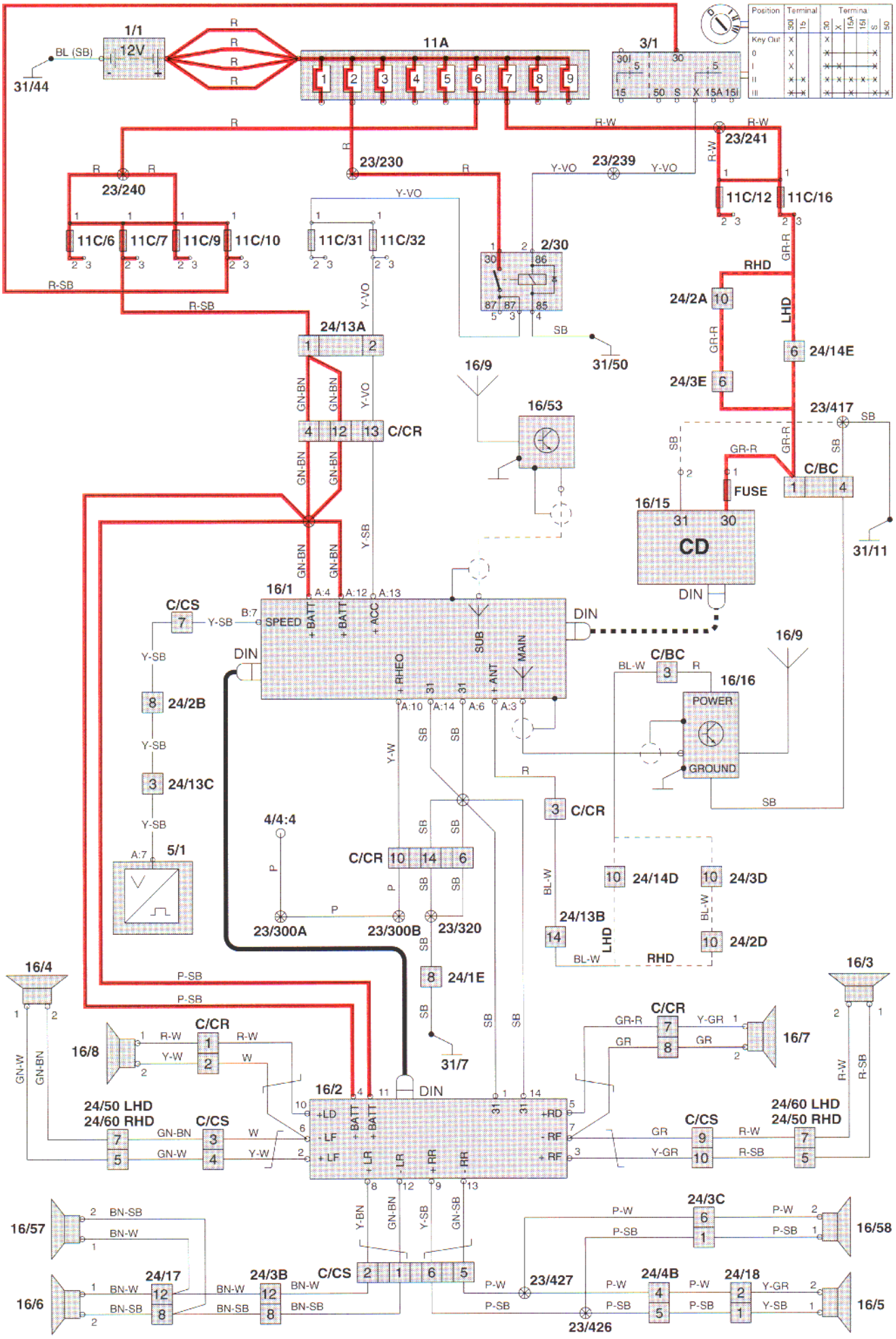
Radio with 4x50 W extra amplifier
S70



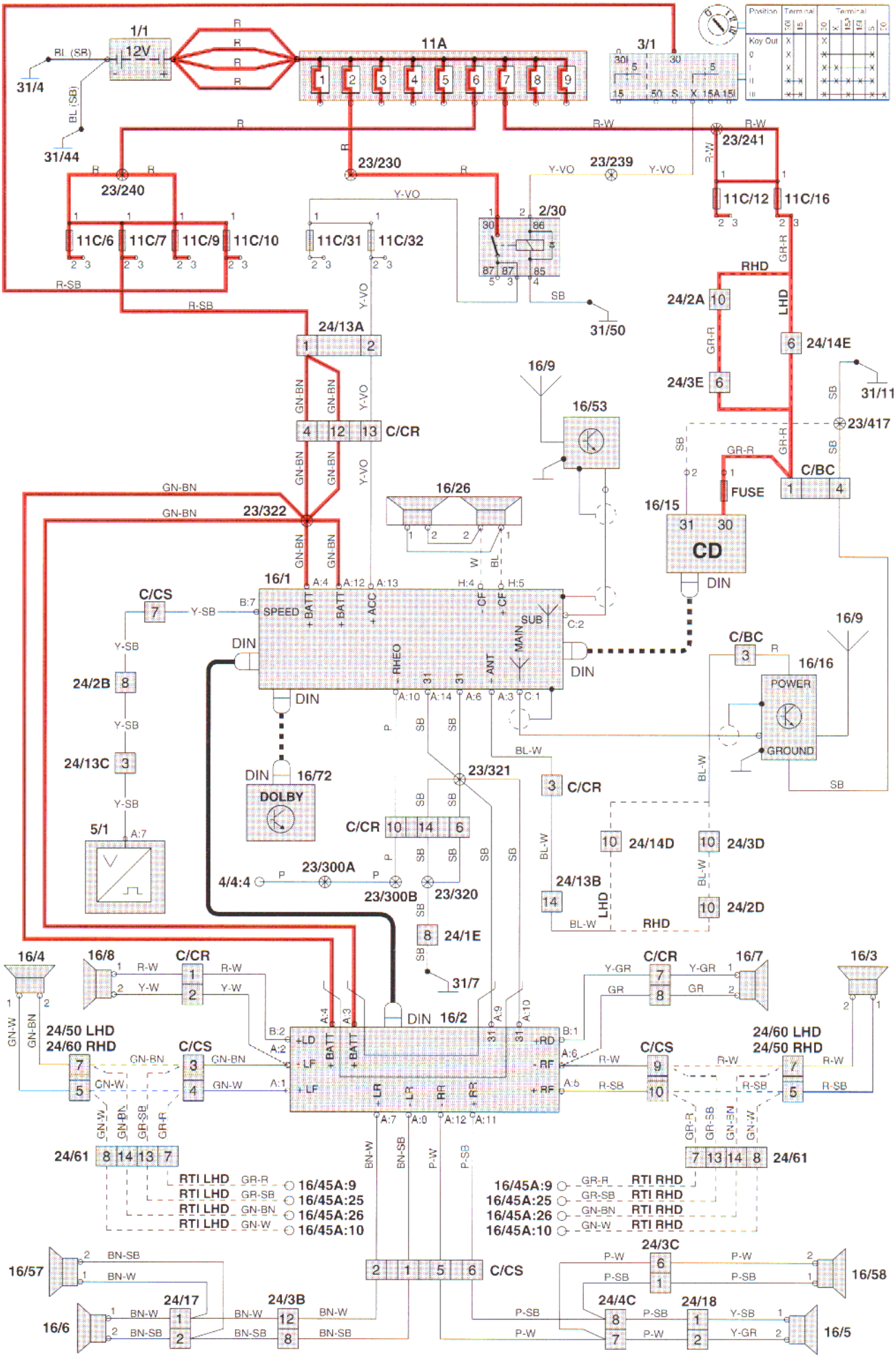
Radio with 4x50 W extra amplifier S70



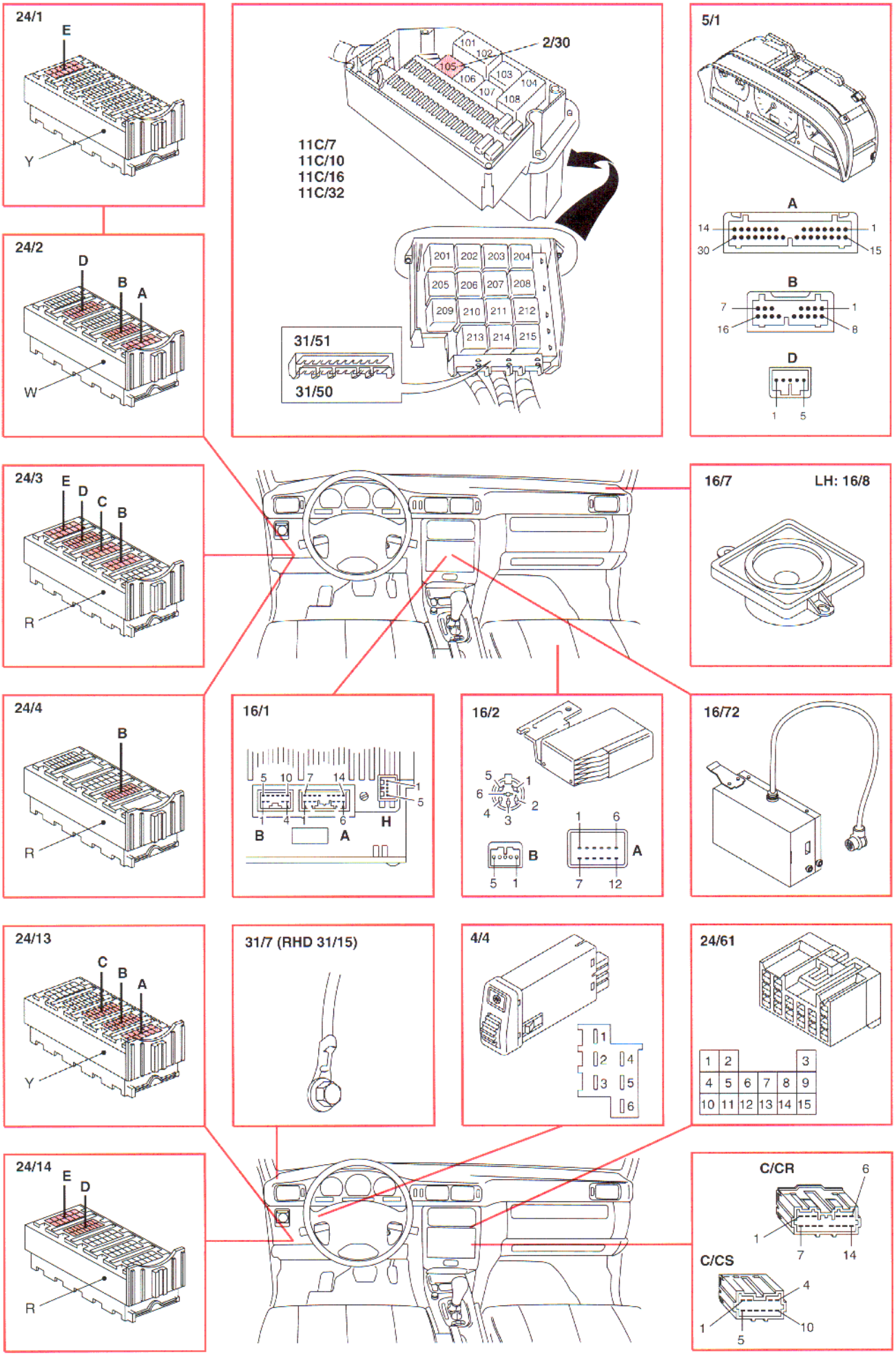
Radio with 4x50 W extra amplifier
V70 MOD1



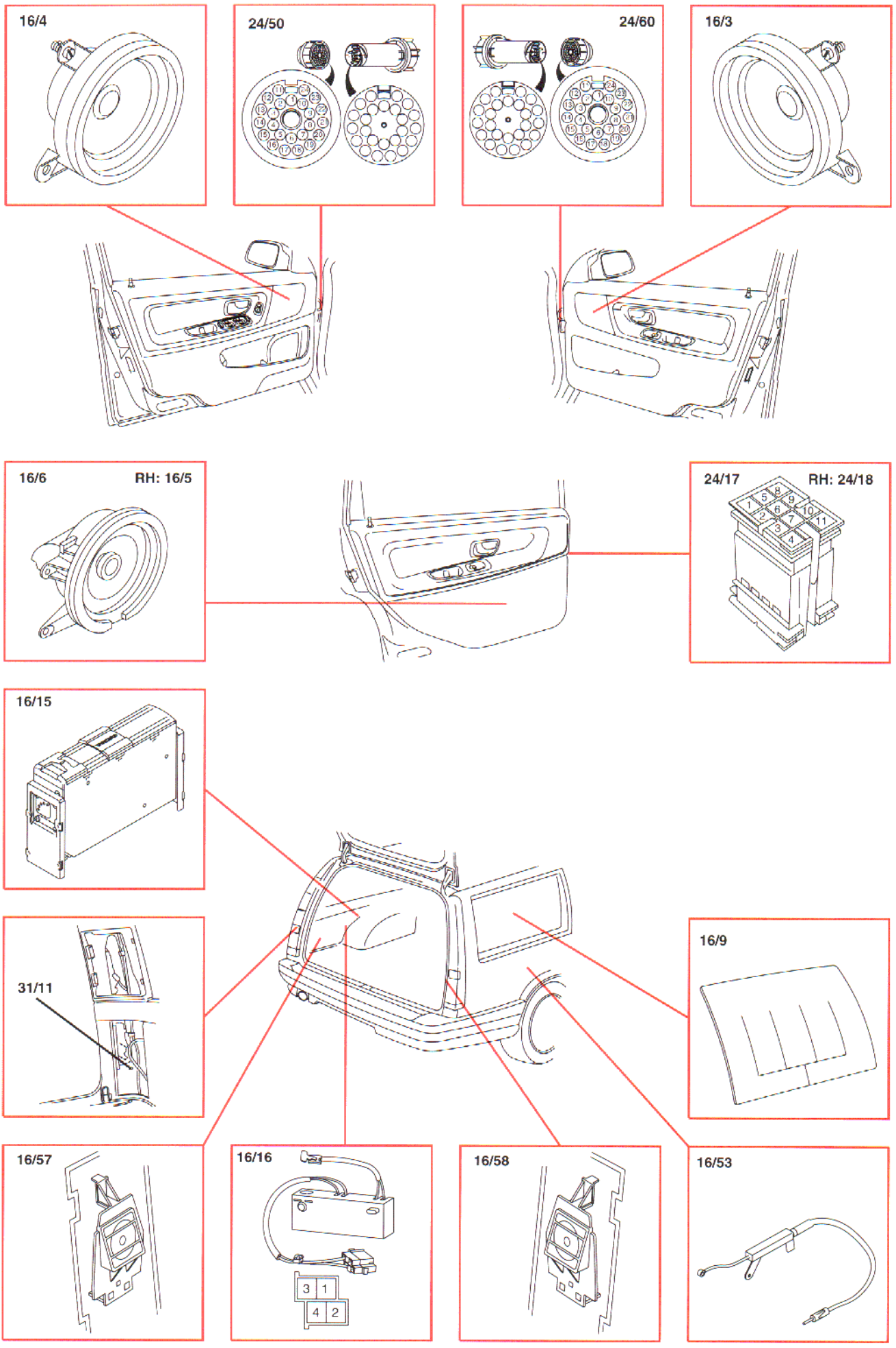
Radio with 4x50 W extra amplifier
V70 MOD2



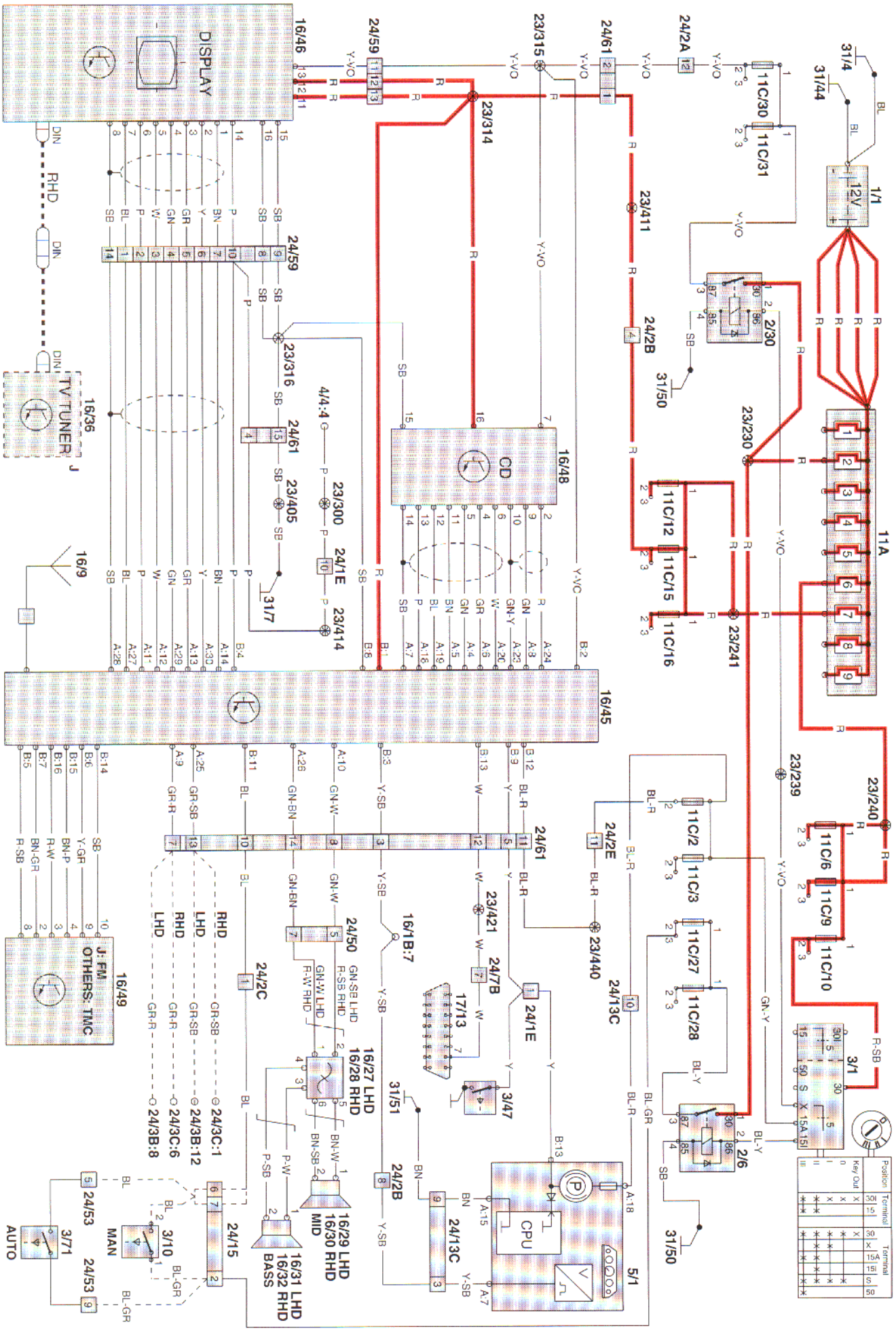
Radio with 4x50 W extra amplifier
V70

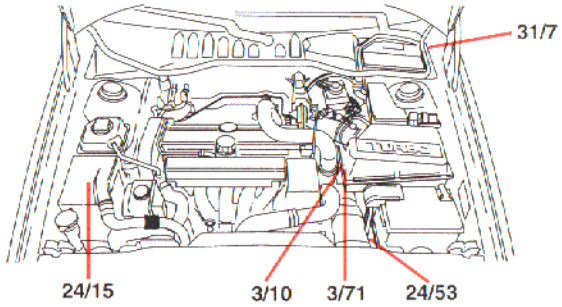


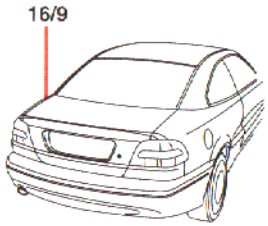
Radio with 4x50 W extra amplifier
V70

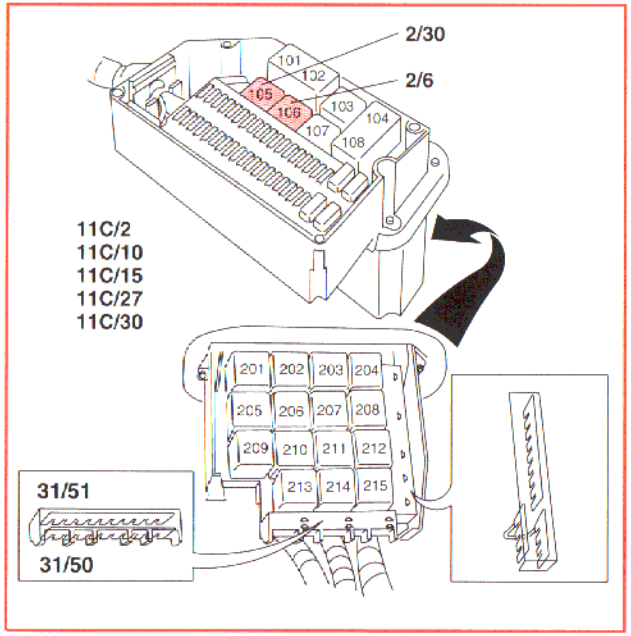


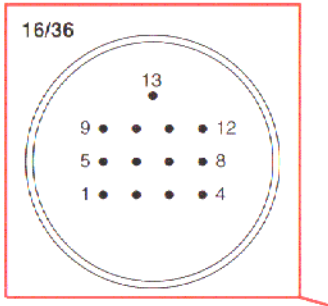
RTI Road Traffic Information
C70

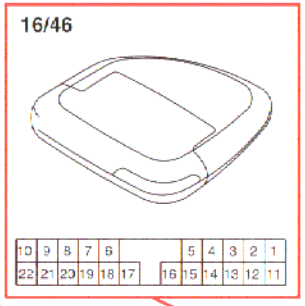


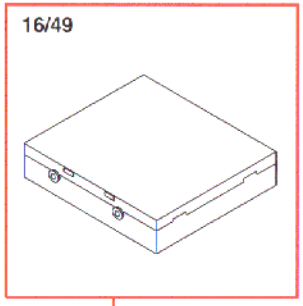

31/7
24/15
3/10
3/71
24/53

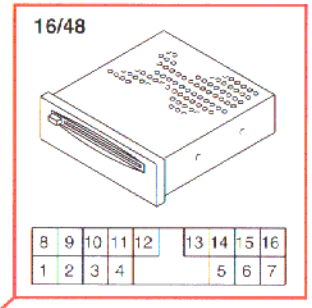

16/9

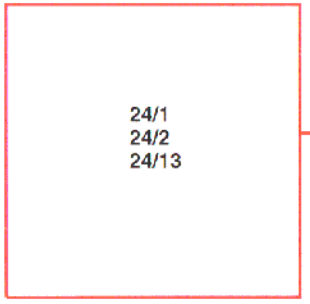

2/30
2/6
11C/2
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11C/15
11C/27
11C/30
31/51
31/50

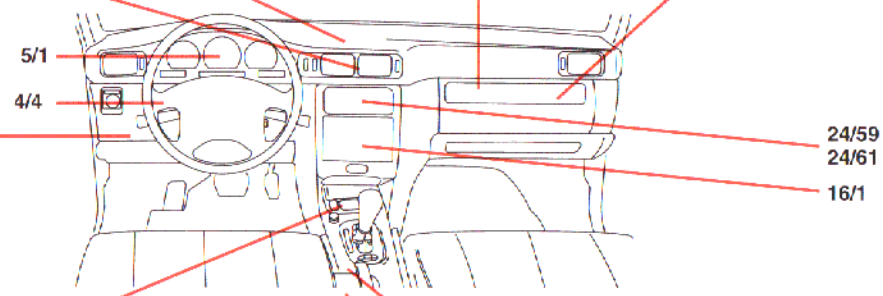

16/36

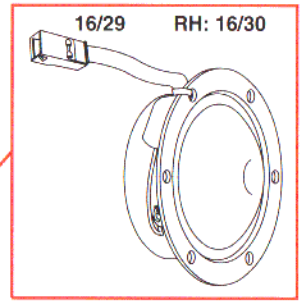

16/46

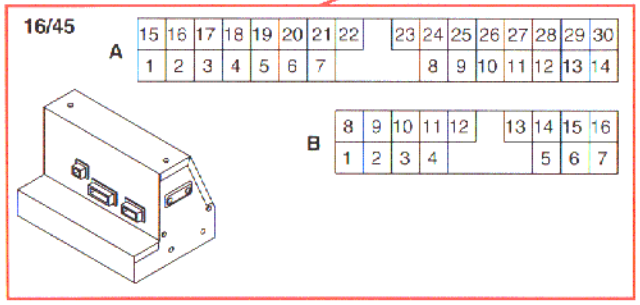

16/49

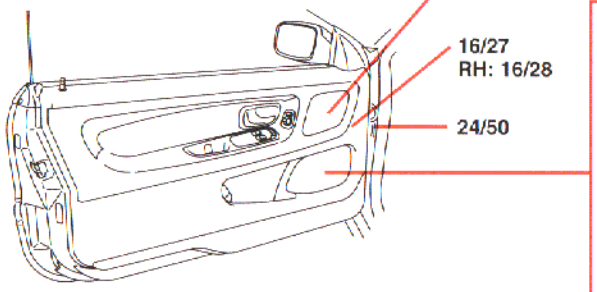

16/48

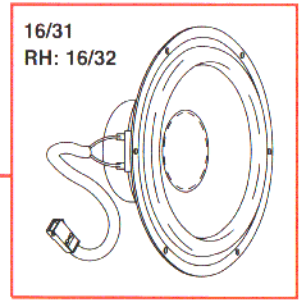

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24/2
24/13


5/1
4/4
24/59
24/61
16/1

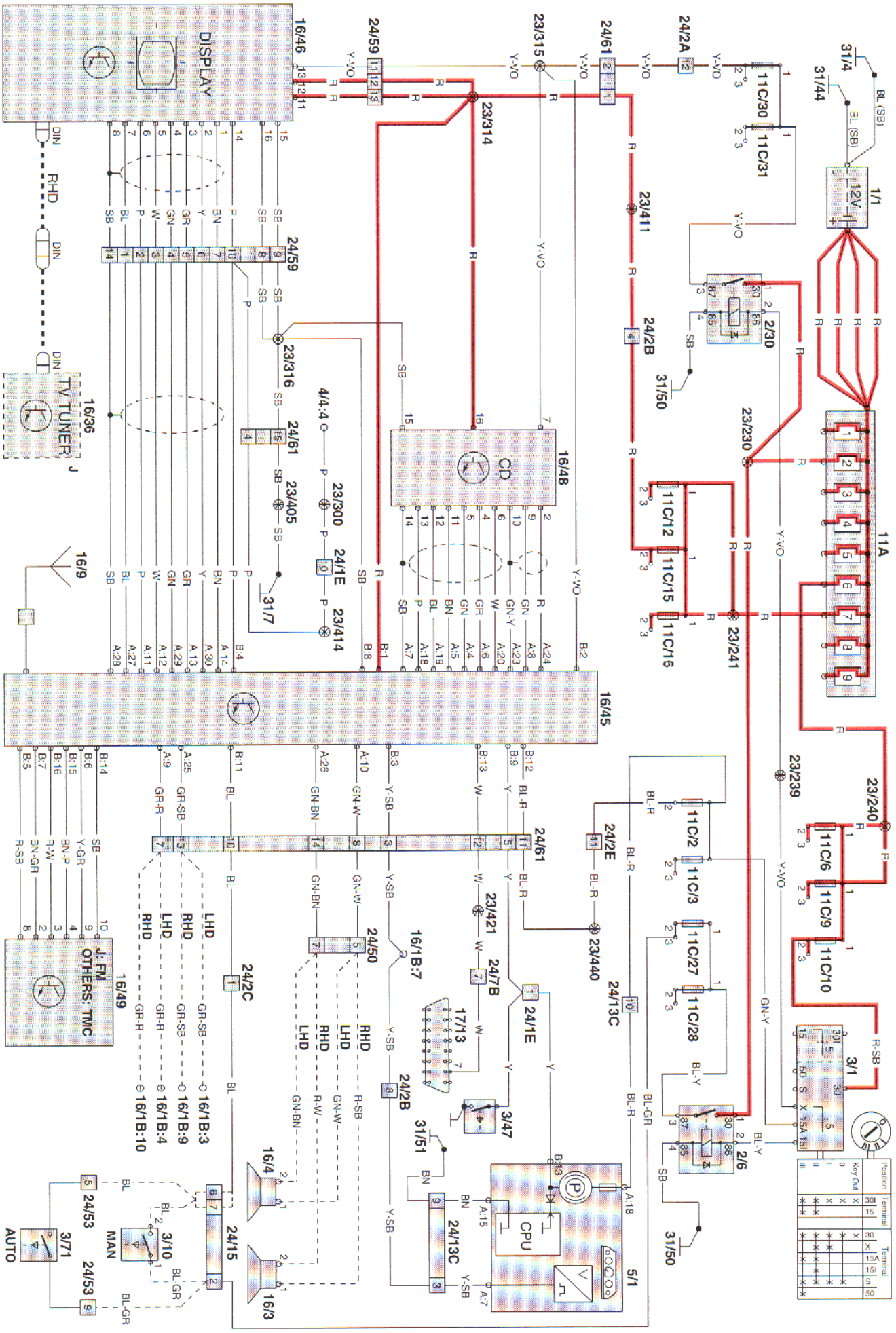

16/29
RH: 16/30

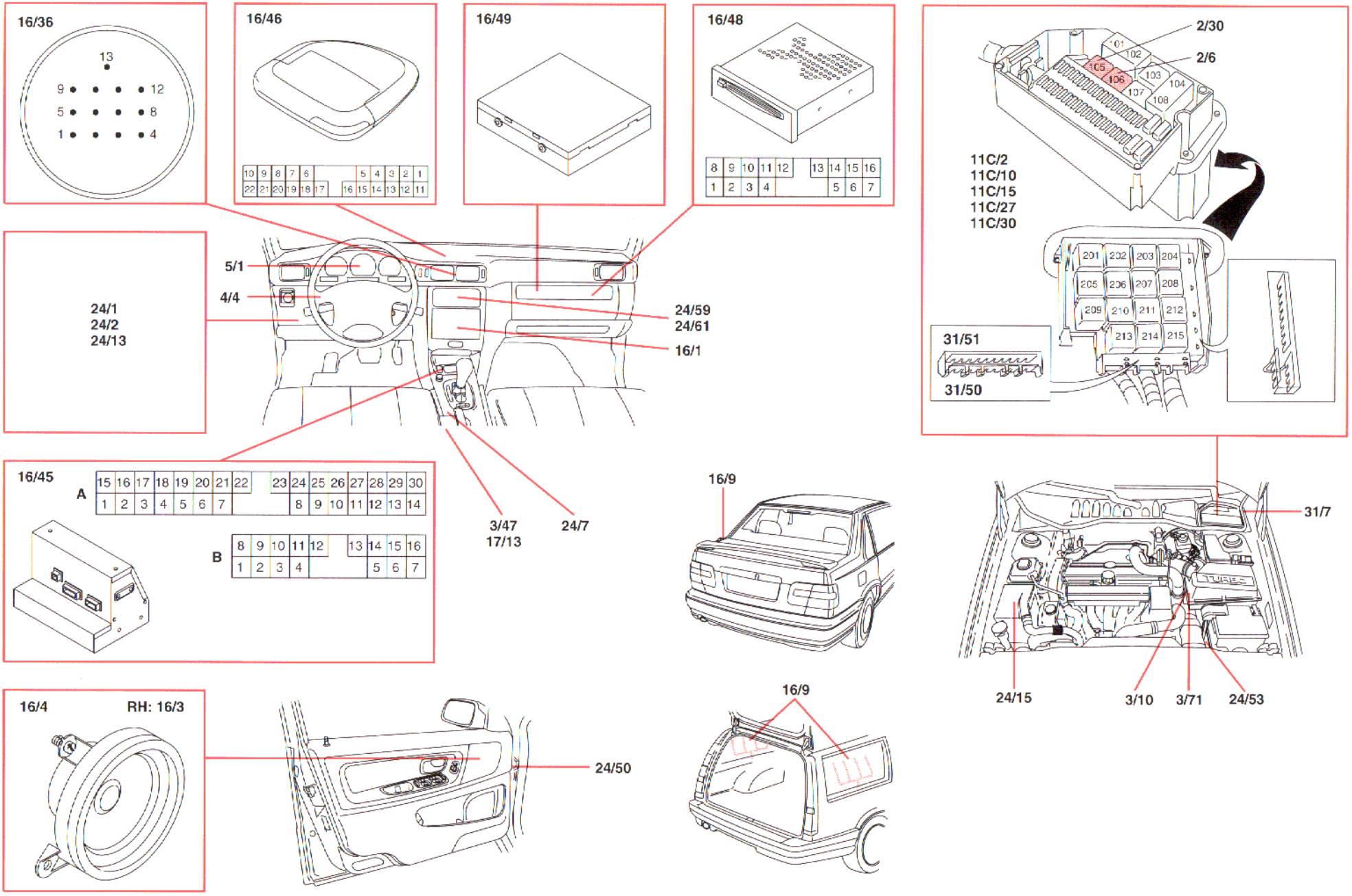

16/45
A
B
3/47
17/13
24/7


16/27
RH: 16/28
24/50

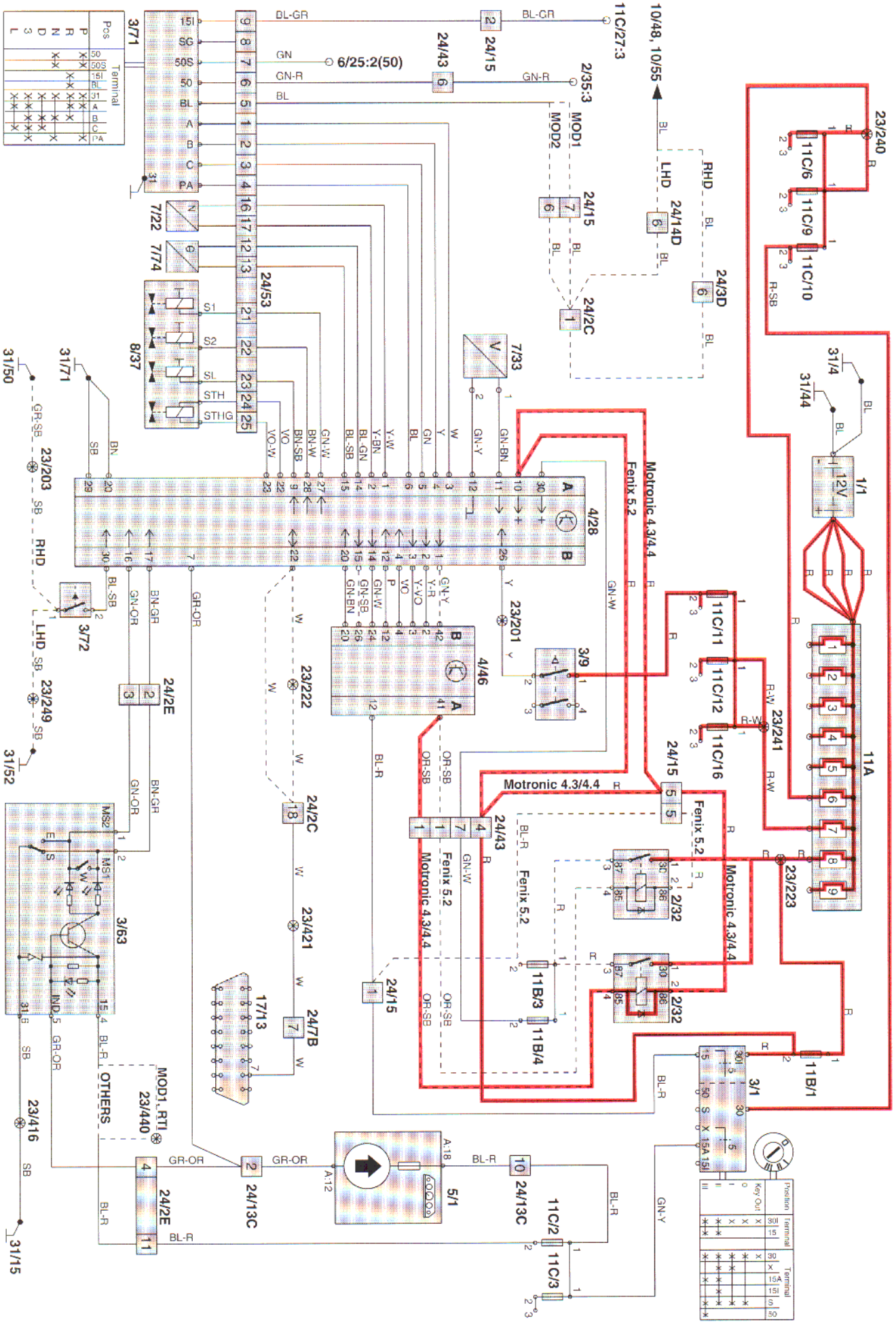

16/31
RH: 16/32

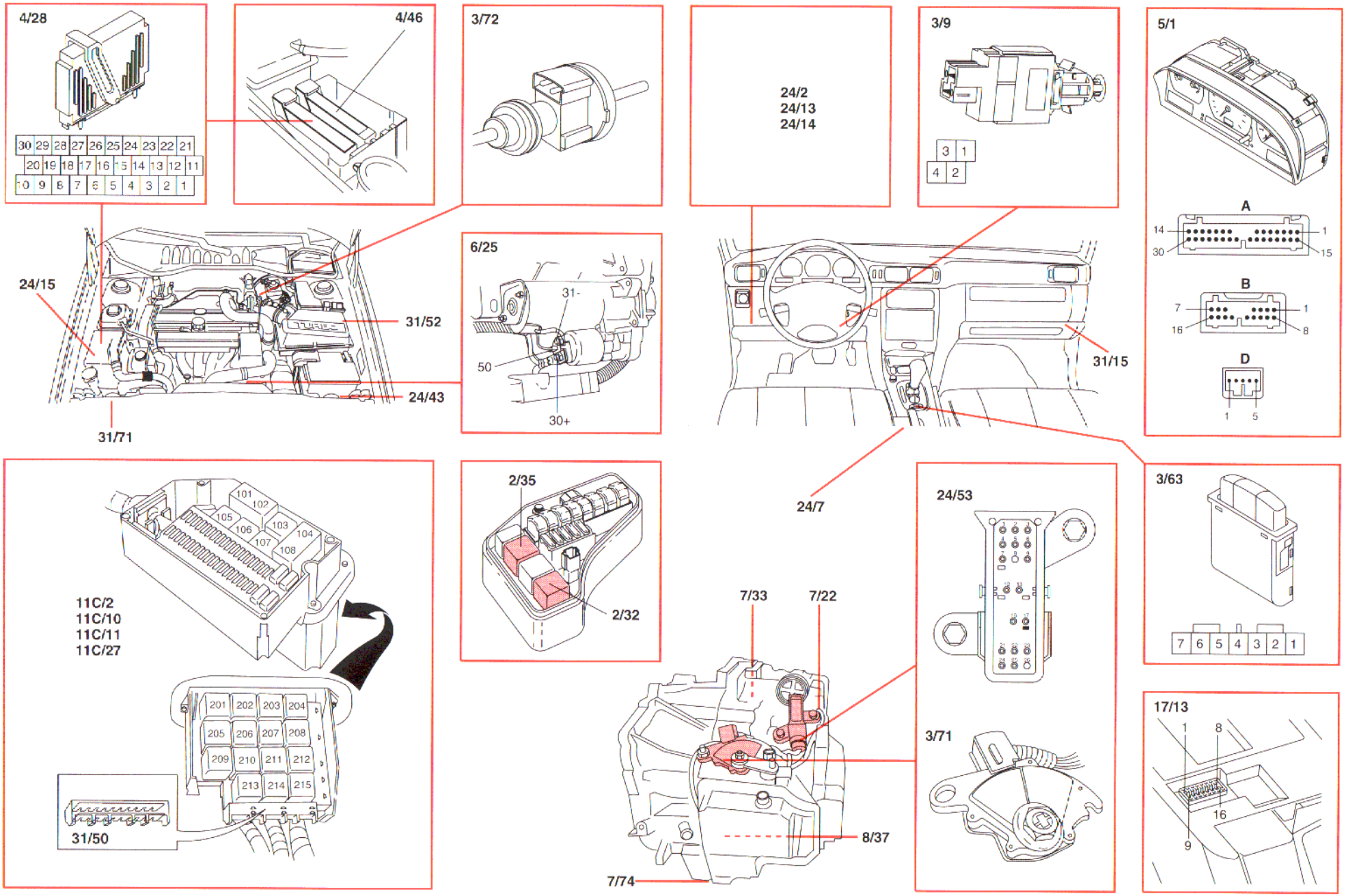
RTI Road Traffic Information
S70/V70



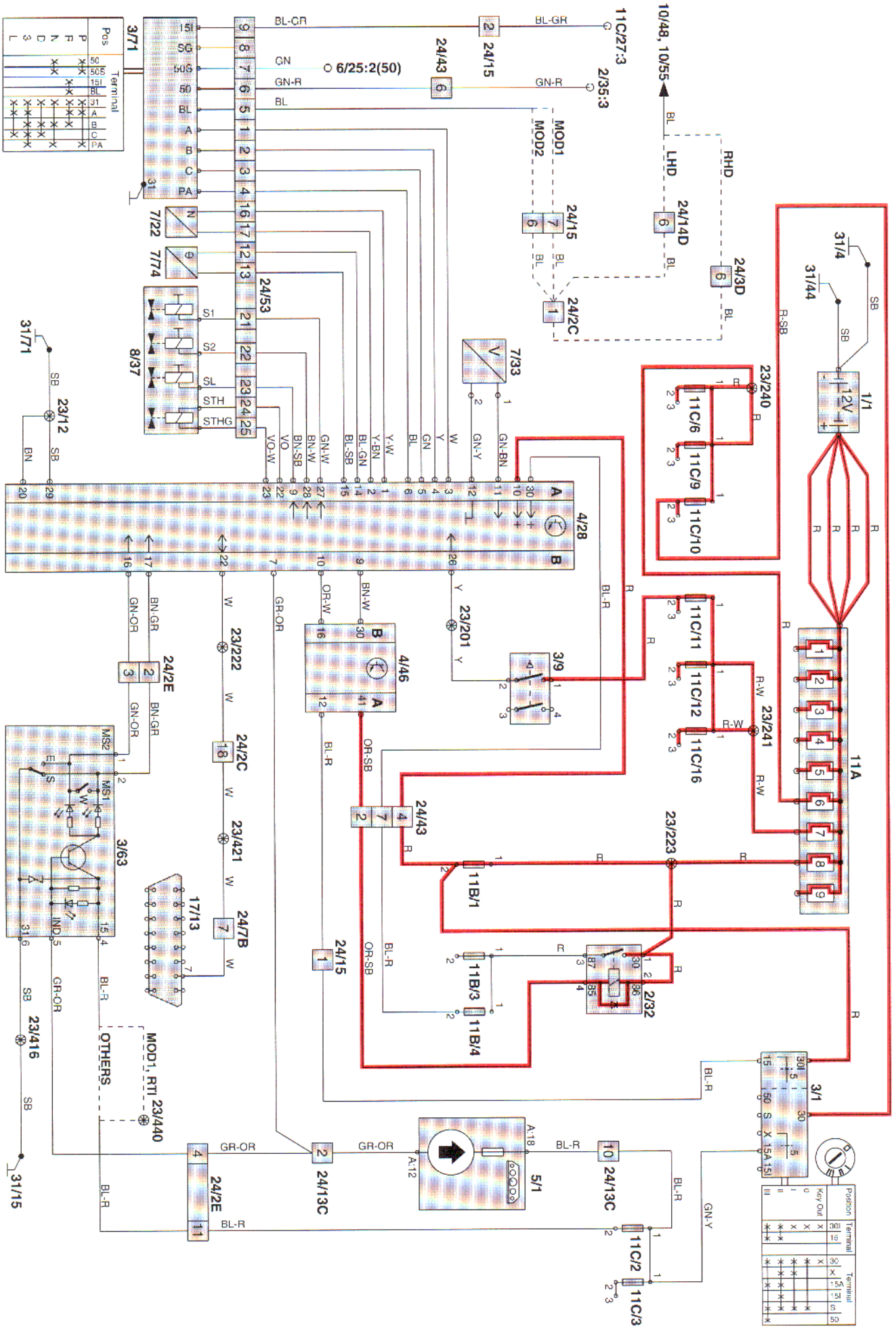

16/36
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22 21 20 19 18 17 16 15 14 13 12 11
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8 9 10 11 12 13 14 15 16
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11C/2
11C/10
11C/15
11C/27
11C/30
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31/51
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24/61
16/1
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A
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
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16/4
RH: 16/3
24/50
16/9

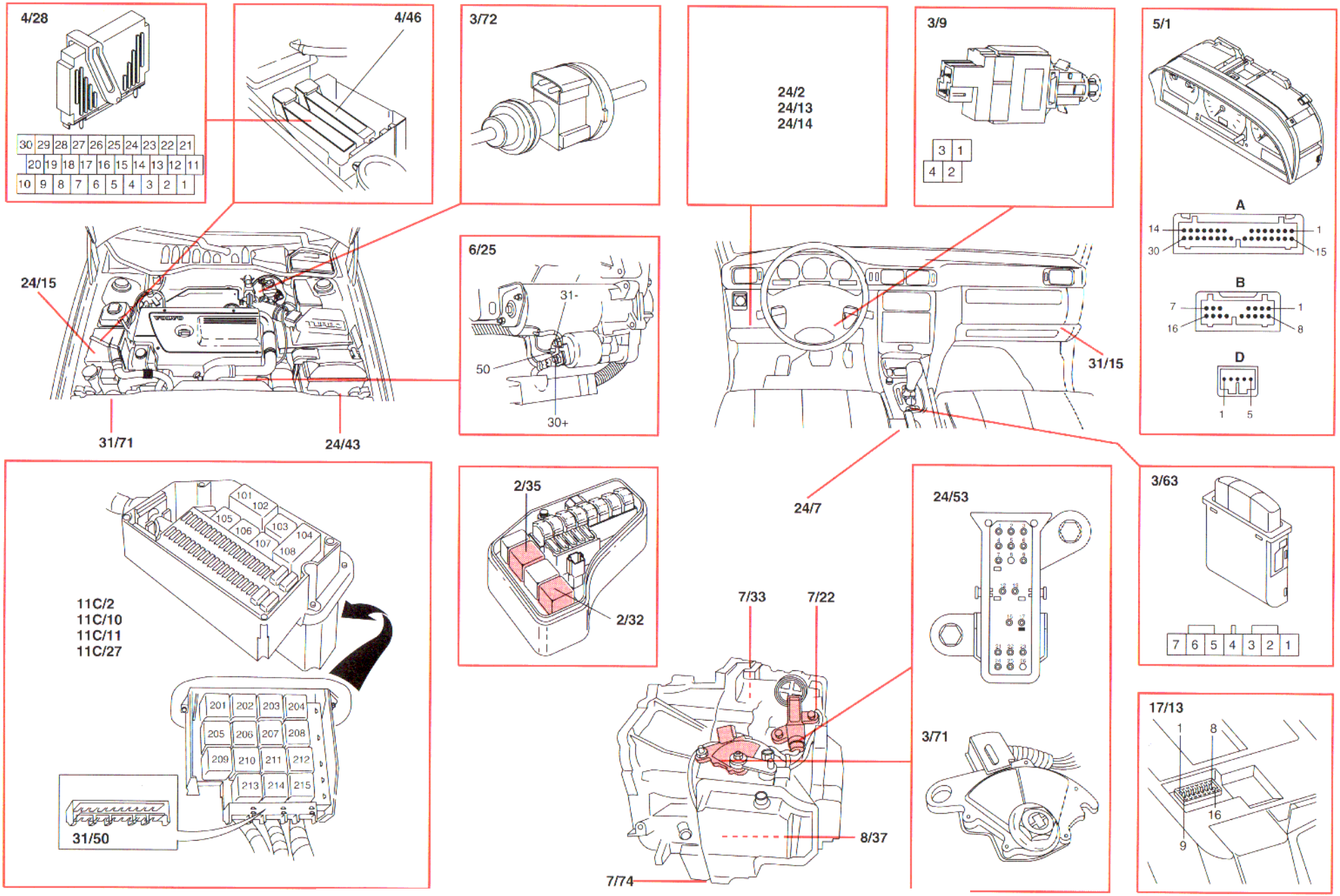
AW 50-42 electronically controlled automatic transmission
Fenix 5.2, Motronic 4.3/4.4




4/28
30 29 28 27 26 25 24 23 22 21
20 19 18 17 16 15 14 13 12 11
10 9 8 7 6 5 4 3 2 1
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3 1
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11C/27
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3/63
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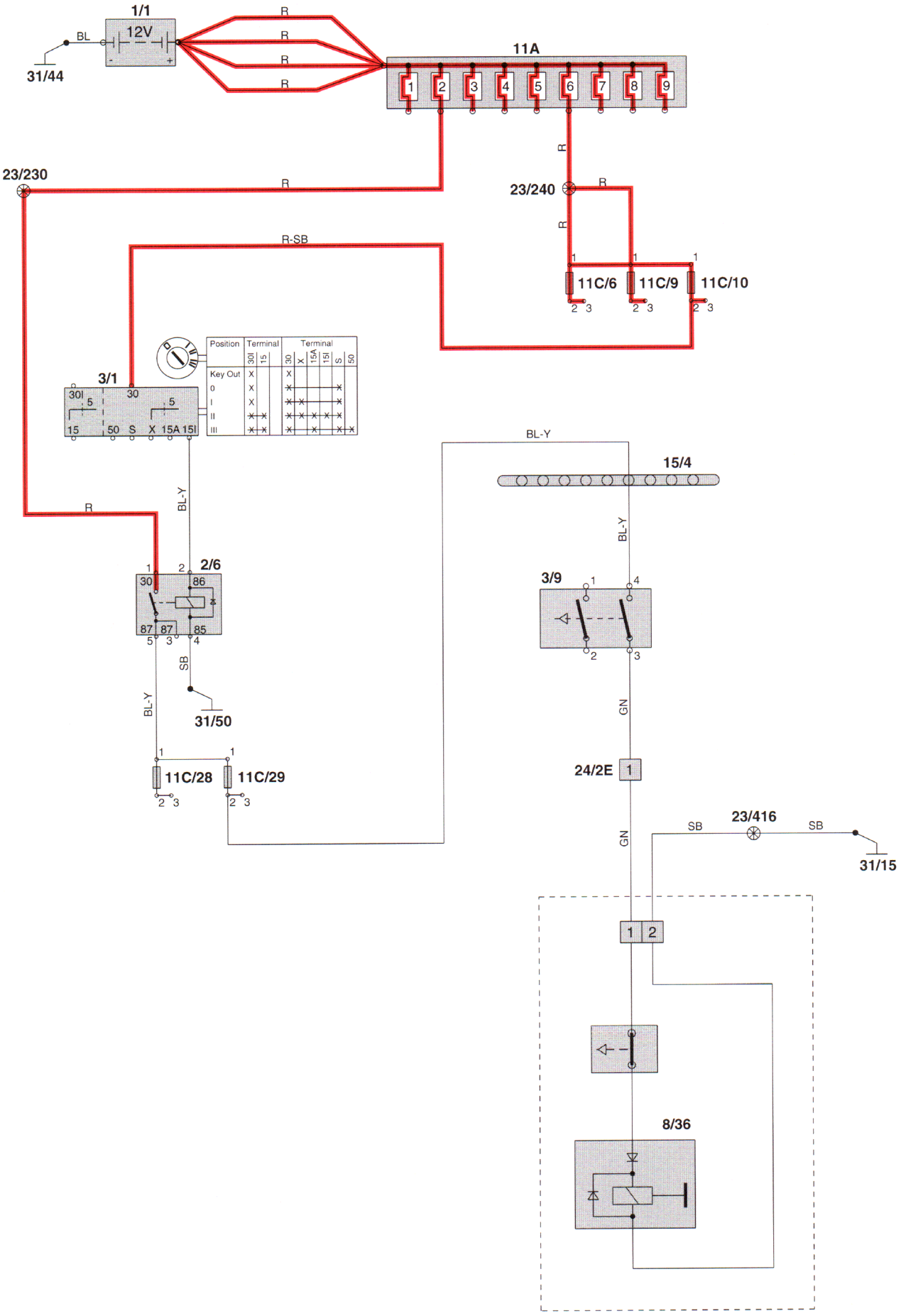
AW 50-42 electronically controlled automatic transmission
MSA 15.7



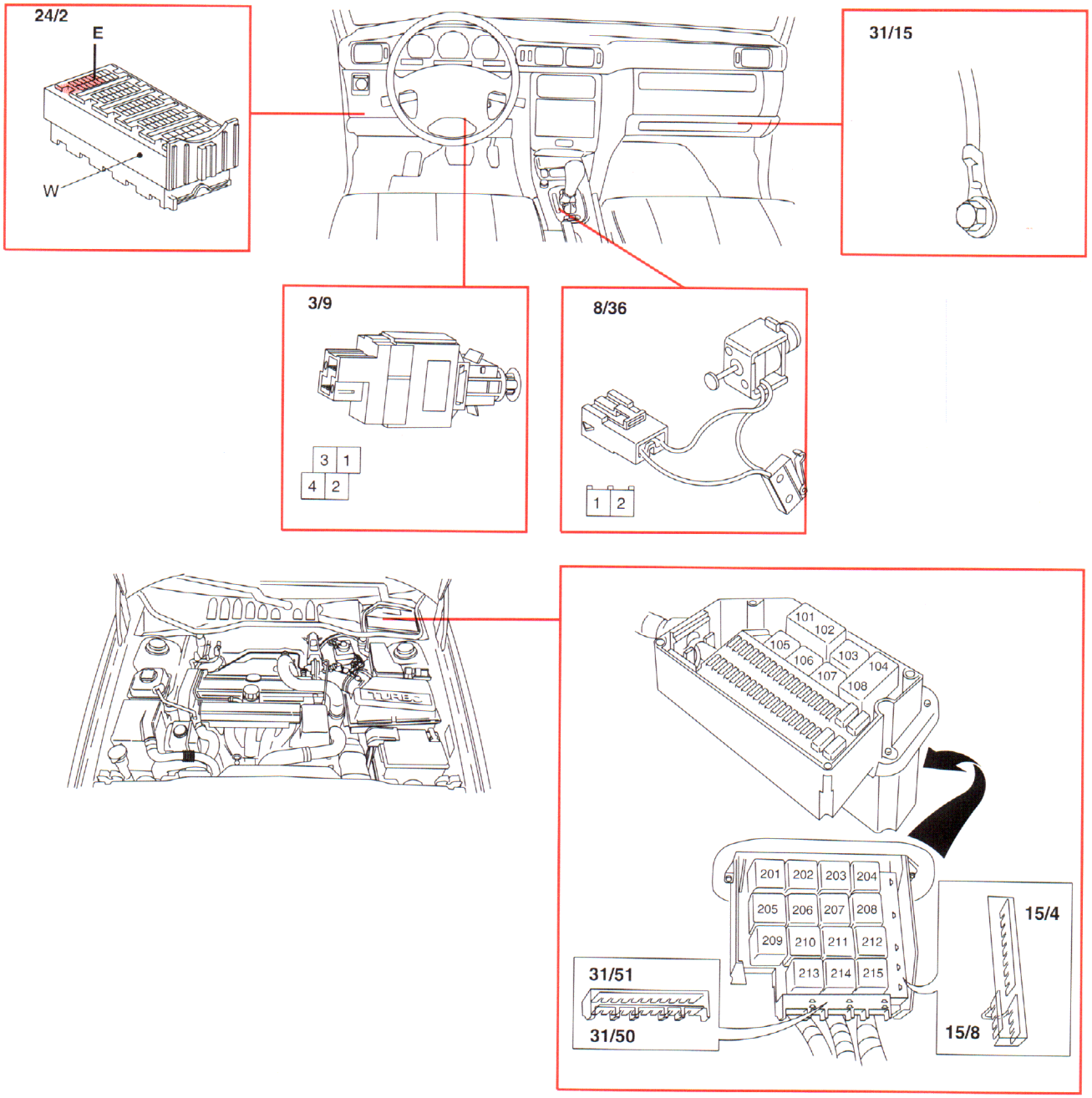

4/28
30 29 28 27 26 25 24 23 22 21
20 19 18 17 16 15 14 13 12 11
10 9 8 7 6 5 4 3 2 1
4/46
3/72
24/2
24/13
24/14
3/9
3 1
4 2
5/1
A
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1
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B
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D
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24/15
31/71
24/43
6/25
31-
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30+
31/15
11C/2
11C/10
11C/11
11C/27
101 102 103 104 105 106 107 108
201 202 203 204 205 206 207 208 209 210 211 212 213 214 215
31/50
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2/32
24/7
7/33
7/22
8/37
7/74
24/53
3/71
3/63
7 6 5 4 3 2 1
17/13
1
8
16
9

P-shift lock, automatic transmission

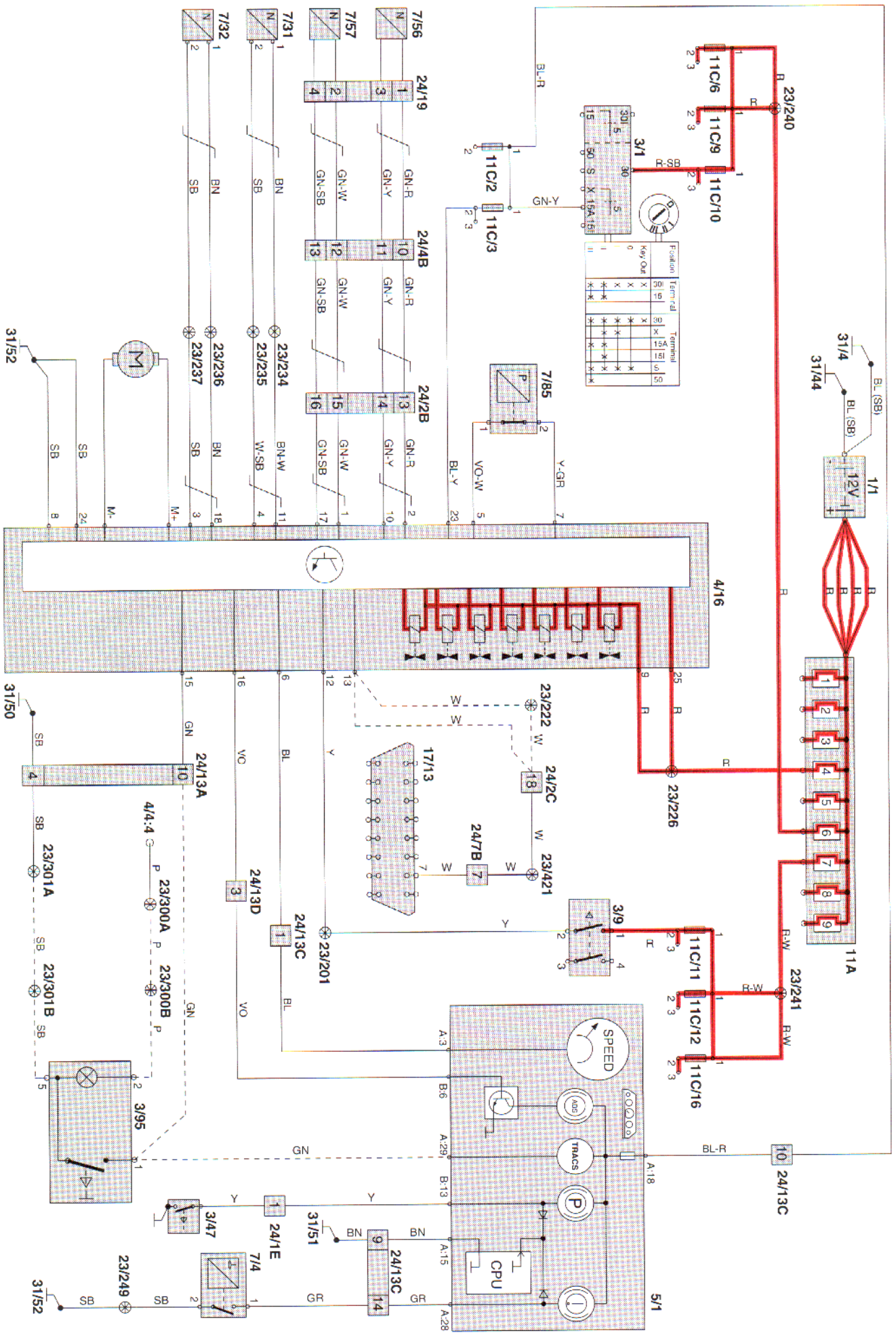
For function diagram, see Page 272.



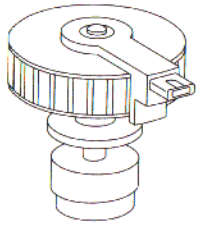
P-shift lock, automatic transmission



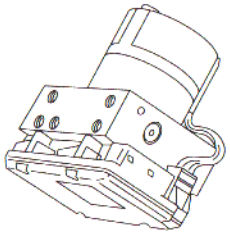
ABS Brake system and TRACS



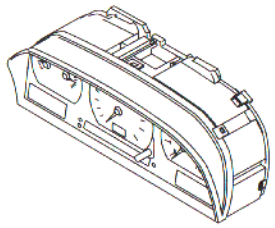
7/4



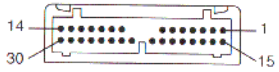
4/16



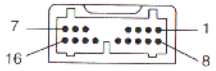
5/1



A



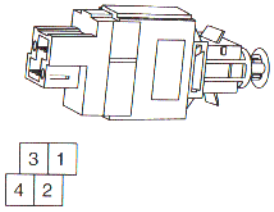
B



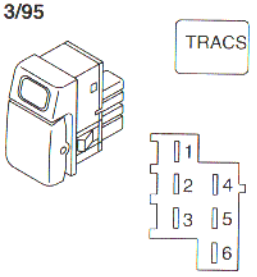
D



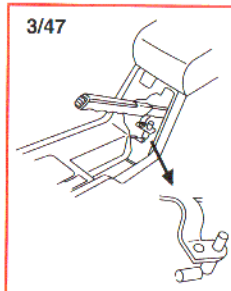
3/9



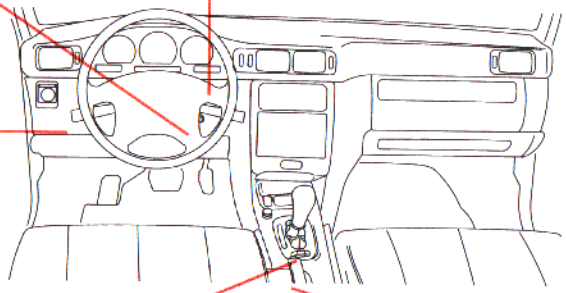
3/95



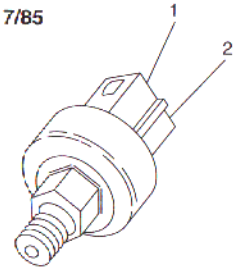
3/47



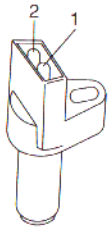
24/1
24/2
24/4
24/13



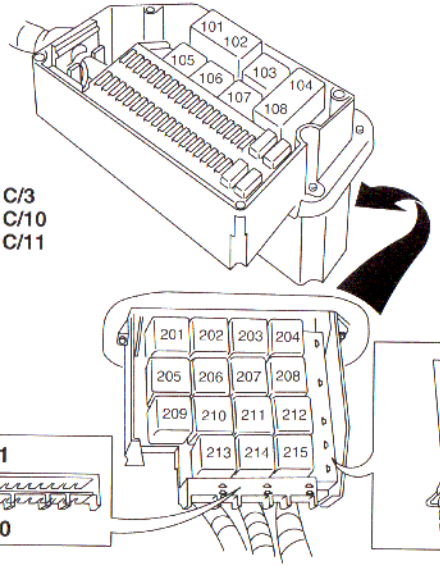
7/85



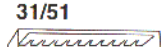
7/31 RH: 7/32



11C/3
11C/10
11C/11

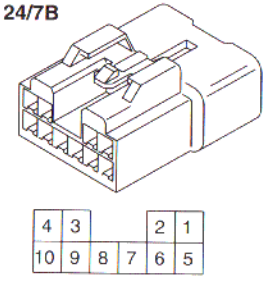


31/51

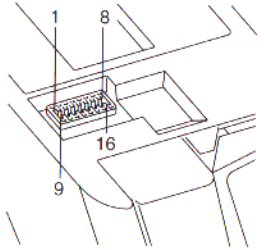


31/50

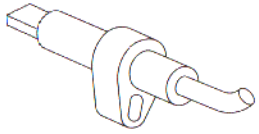
24/7B



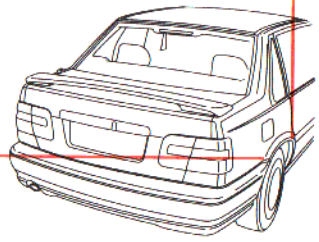
17/13



7/57 LH:7/56

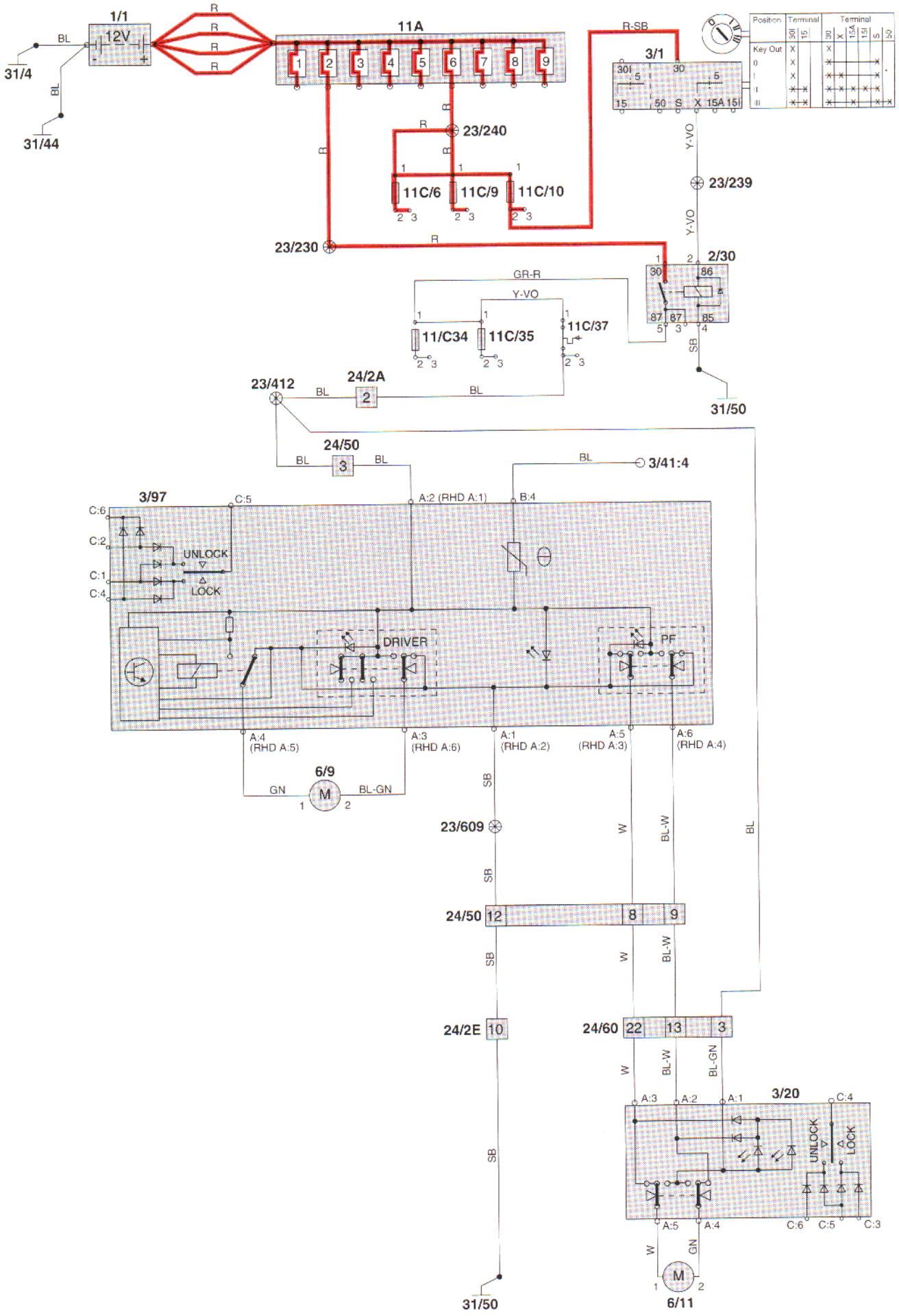


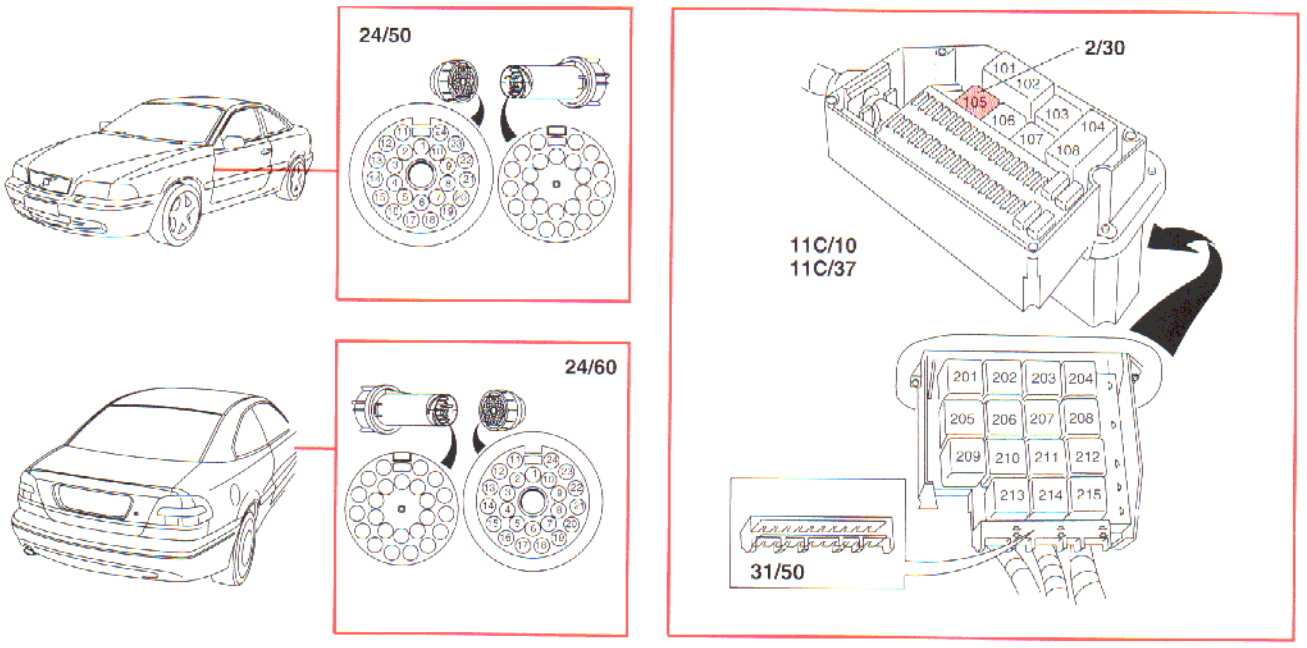
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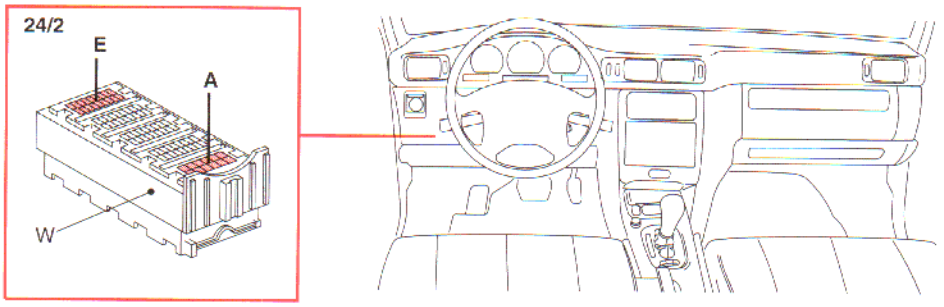


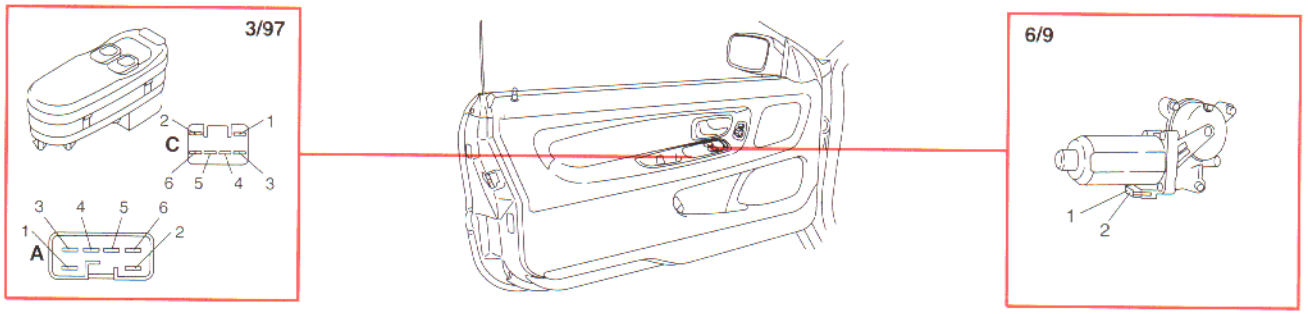
Power windows
C70

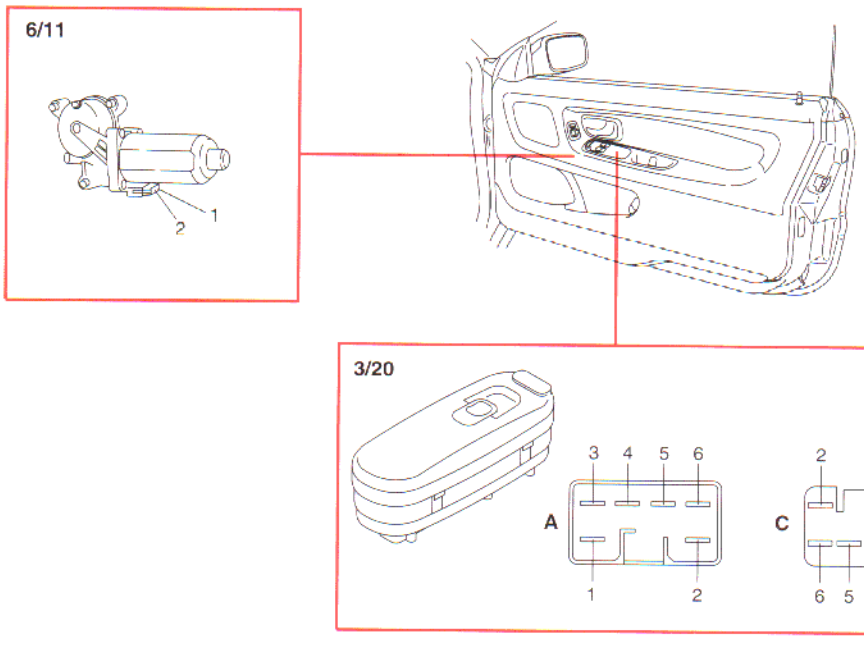
For function diagram, see Page 273.




24/50
2/30
11C/10
11C/37
24/60
31/50

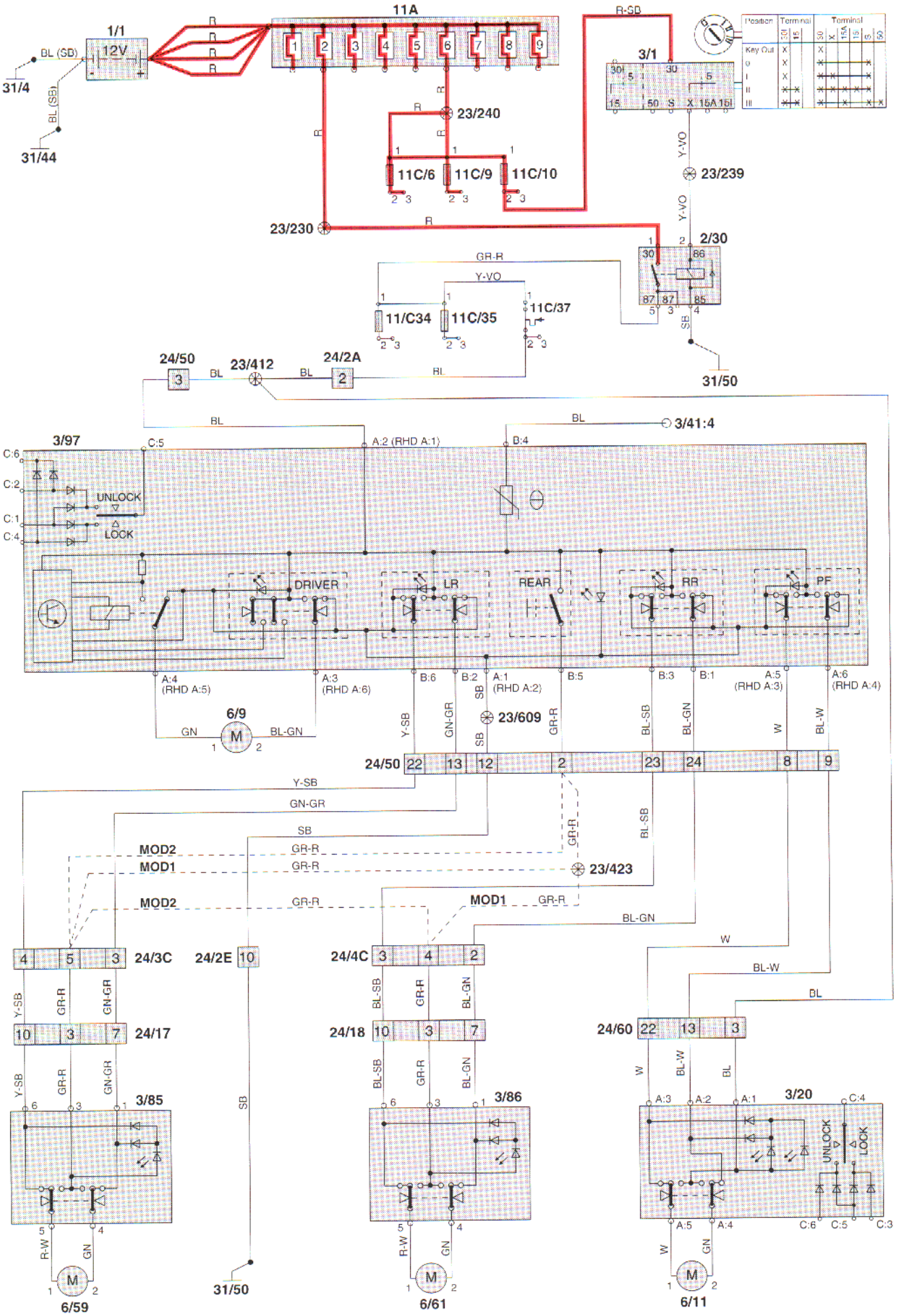

24/2
E
A
W

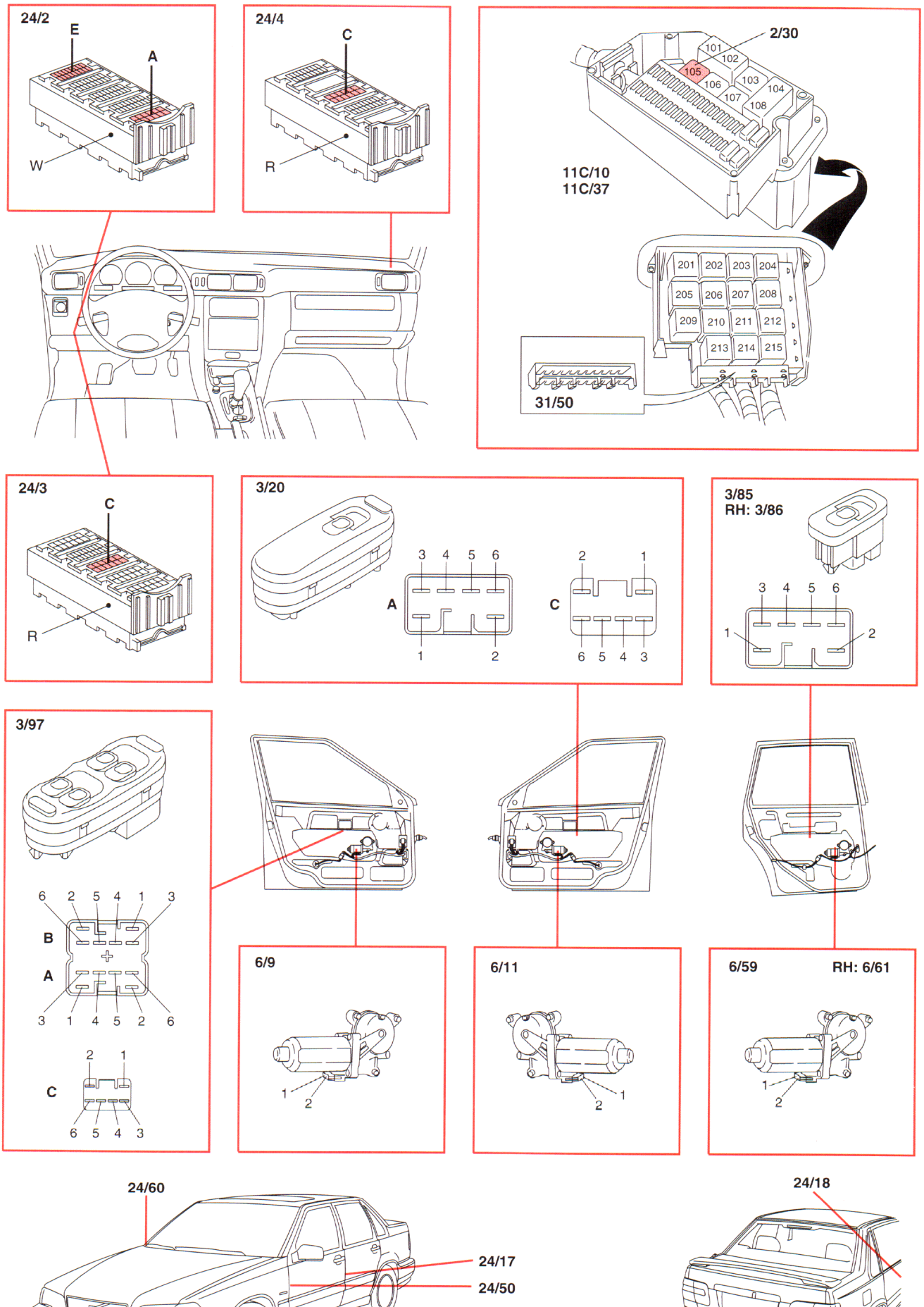

3/97
C
A
6/9


6/11
3/20
A
C

Power windows
S70/V70

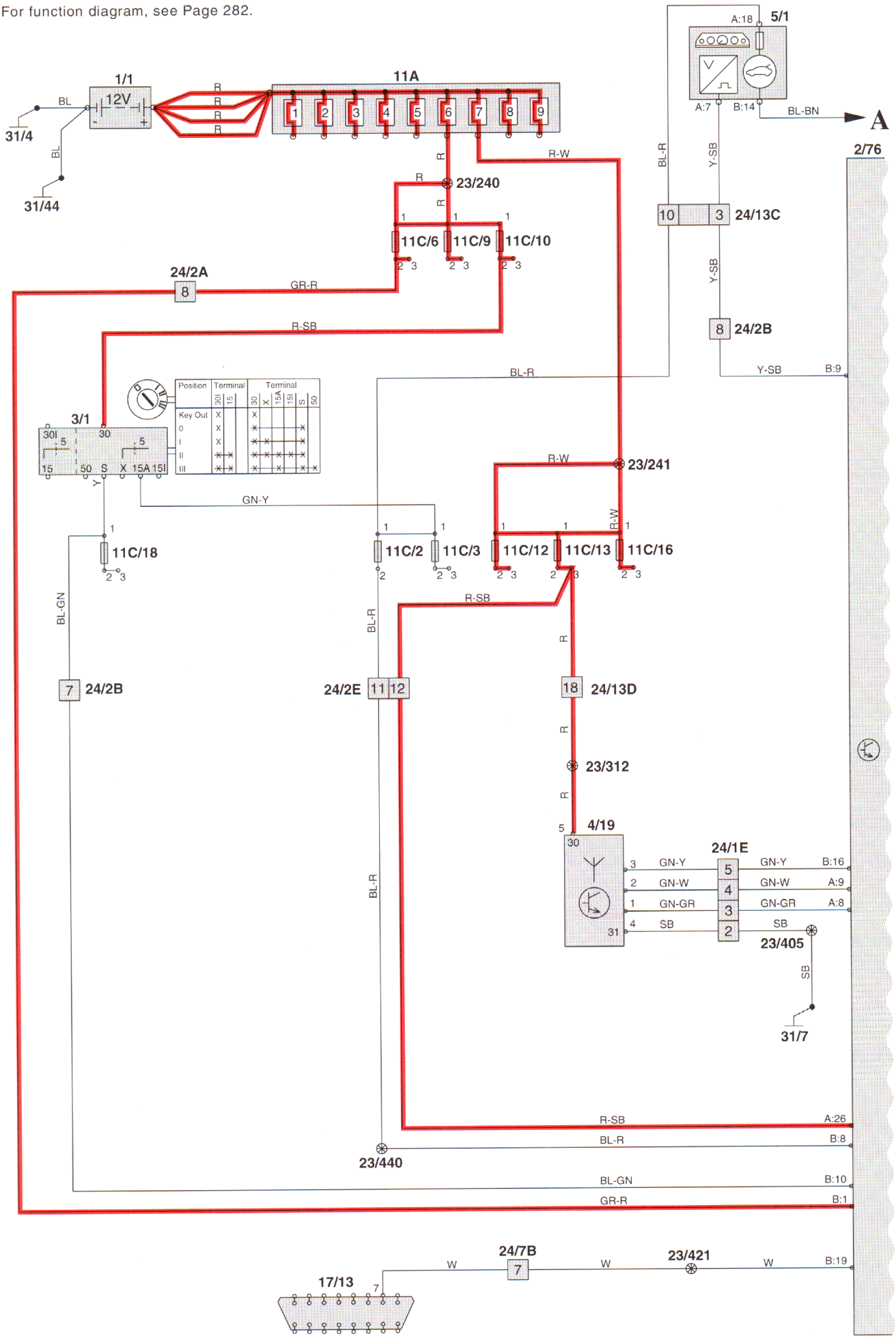
For function diagram, see Page 277.

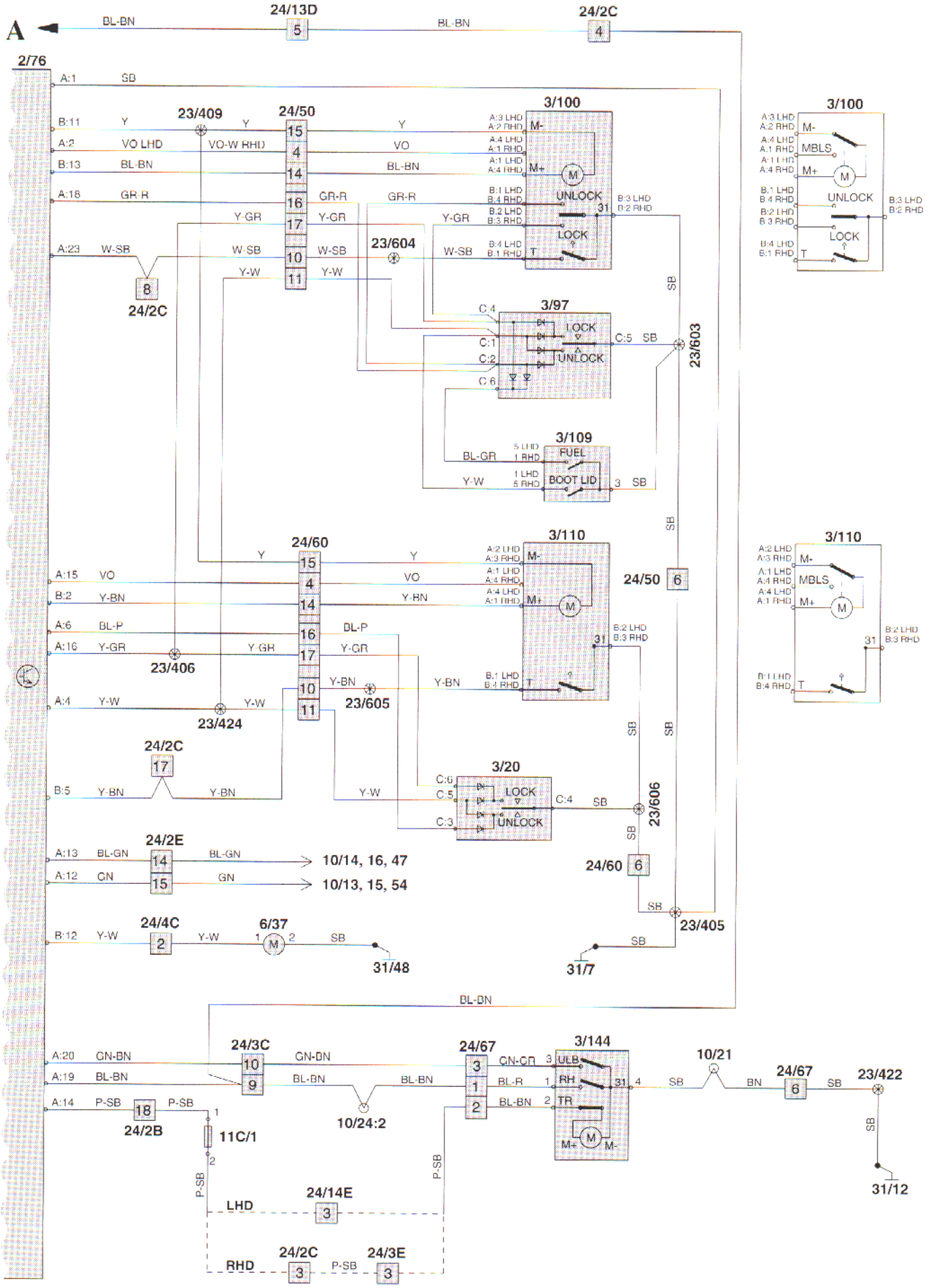



24/2
E
A
W
24/4
C
R
2/30
101
102
105
106
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107
108
11C/10
11C/37
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50
24/3
C
R
3/20
A
C
3/85
RH: 3/86
3/97
B
A
C
6/9
6/11
6/59
RH: 6/61
24/60
24/17
24/50
24/18

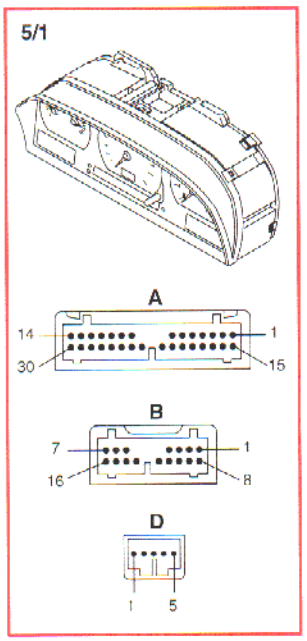
Central locking
C70

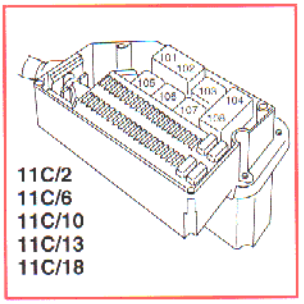
For function diagram, see Page 282.

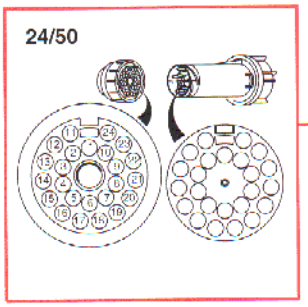


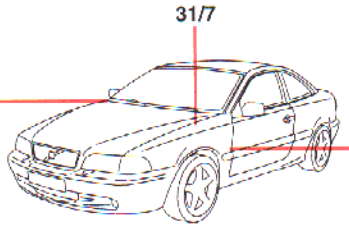

A
BL-BN
24/13D
5
BL-BN
24/2C
4
2/76
A:1
SB
B:11
Y
23/409
Y
24/50
15
Y
3/100
A:3 LHD
A:2 RHD
M-
A:2
VO LHD
VO-W RHD
4
VO
A:4 LHD
A:1 RHD
B:13
BL-BN
14
BL-BN
A:1 LHD
A:4 RHD
M+
M
A:18
GR-R
16
GR-R
GR-R
B:1 LHD
B:4 RHD
UNLOCK
31
B:3 LHD
B:2 RHD
Y-GR
17
Y-GR
Y-GR
B:2 LHD
B:3 RHD
LOCK
A:23
W-SB
W-SB
10
W-SB
23/604
W-SB
B:4 LHD
B:1 RHD
T
Y-W
11
Y-W
8
24/2C
3/97
C:4
C:1
C:2
C:6
LOCK
UNLOCK
C:5
SB
23/603
3/109
BL-GR
5 LHD
1 RHD
FUEL
Y-W
1 LHD
5 RHD
BOOT LID
3
SB
24/60
3/110
A:15
VO
B:2
Y-BN
A:6
BL-P
A:16
Y-GR
23/406
A:4
Y-W
23/424
23/605
24/50
6
24/2C
17
B:5
Y-BN
3/20
C:6
C:5
C:3
C:4
23/606
24/2E
A:13
BL-GN
14
BL-GN
10/14, 16, 47
A:12
GN
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GN
10/13, 15, 54
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6
24/4C
B:12
Y-W
2
6/37
M
31/48
23/405
31/7
BL-BN
24/3C
A:20
GN-BN
10
GN-BN
24/67
3
GN-GR
3/144
ULR
RH
TR
A:19
BL-BN
9
BL-BN
BL-BN
1
BL-R
2
BL-BN
10/21
BN
24/67
6
23/422
A:14
P-SB
18
P-SB
24/2B
11C/1
10/24:2
P-SB
31/12
24/14E
LHD
3
24/2C
RHD
3
P-SB
24/3E
3

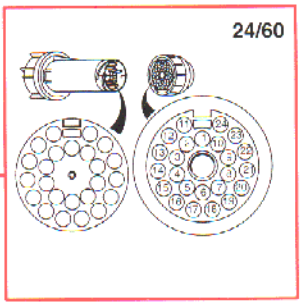
Central locking
C70

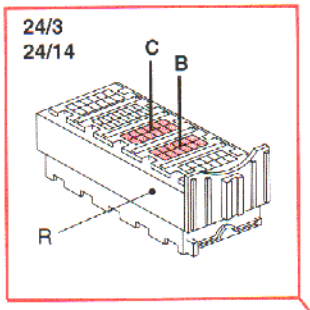


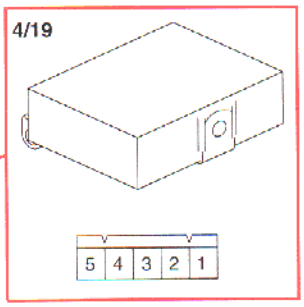


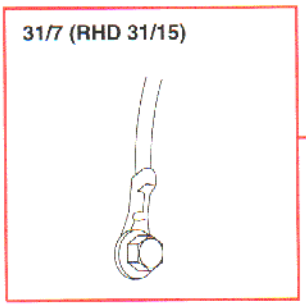


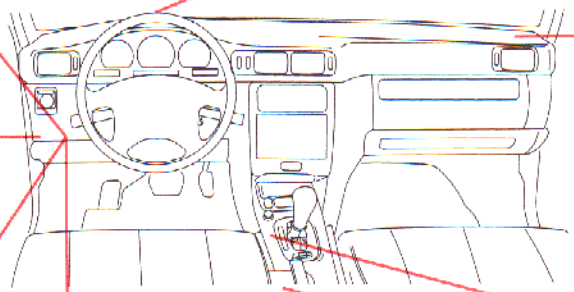


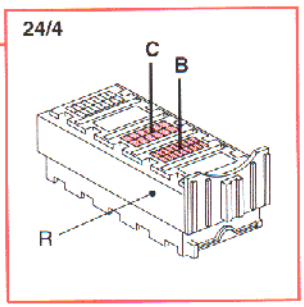


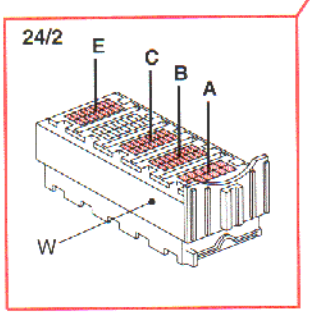


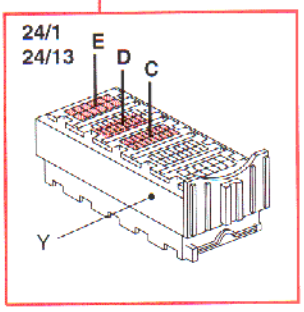


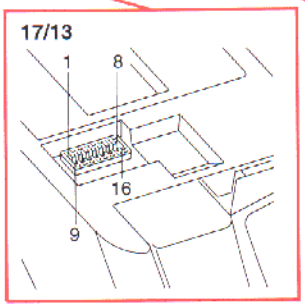


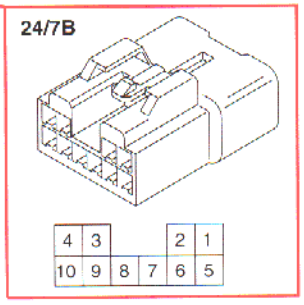


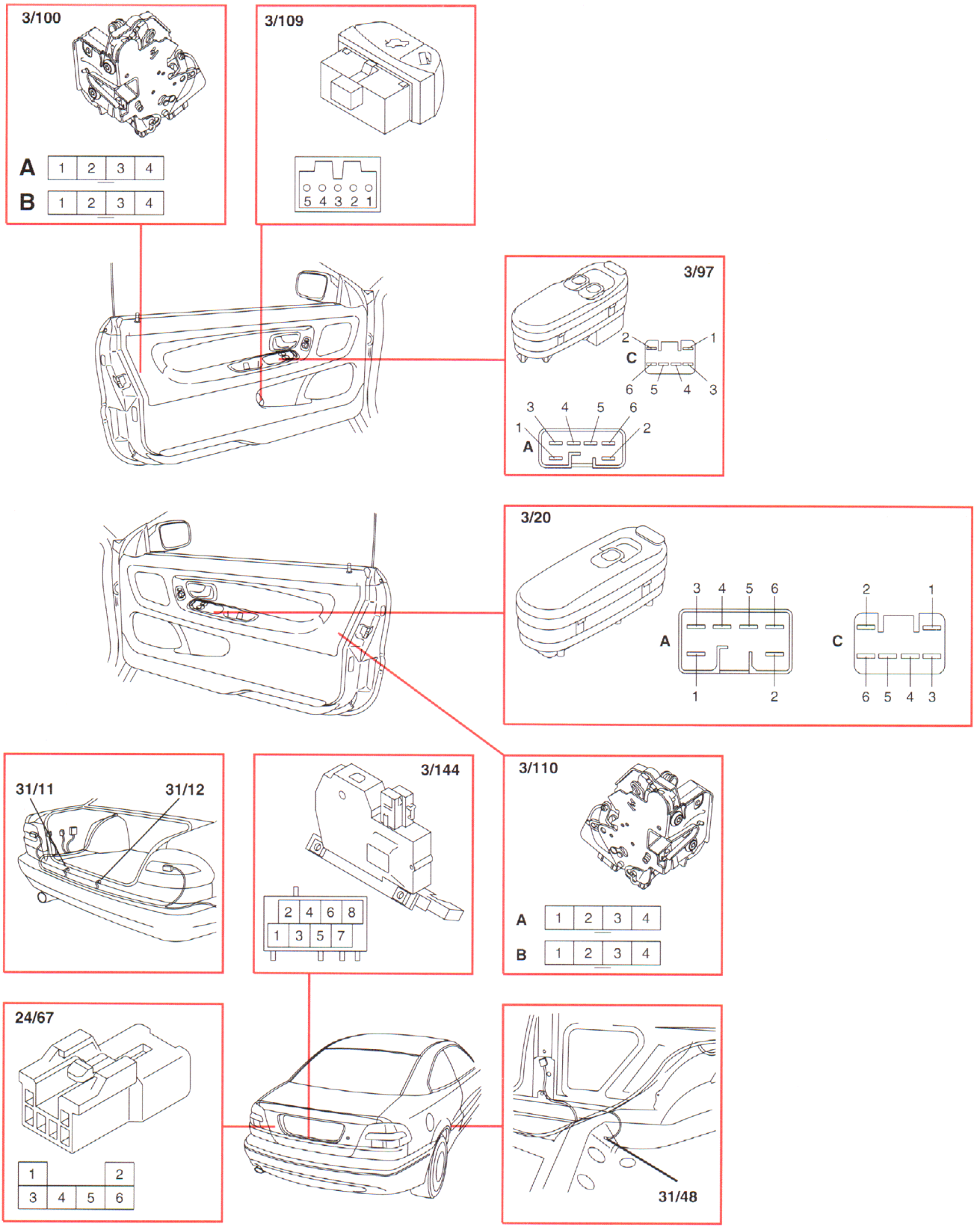






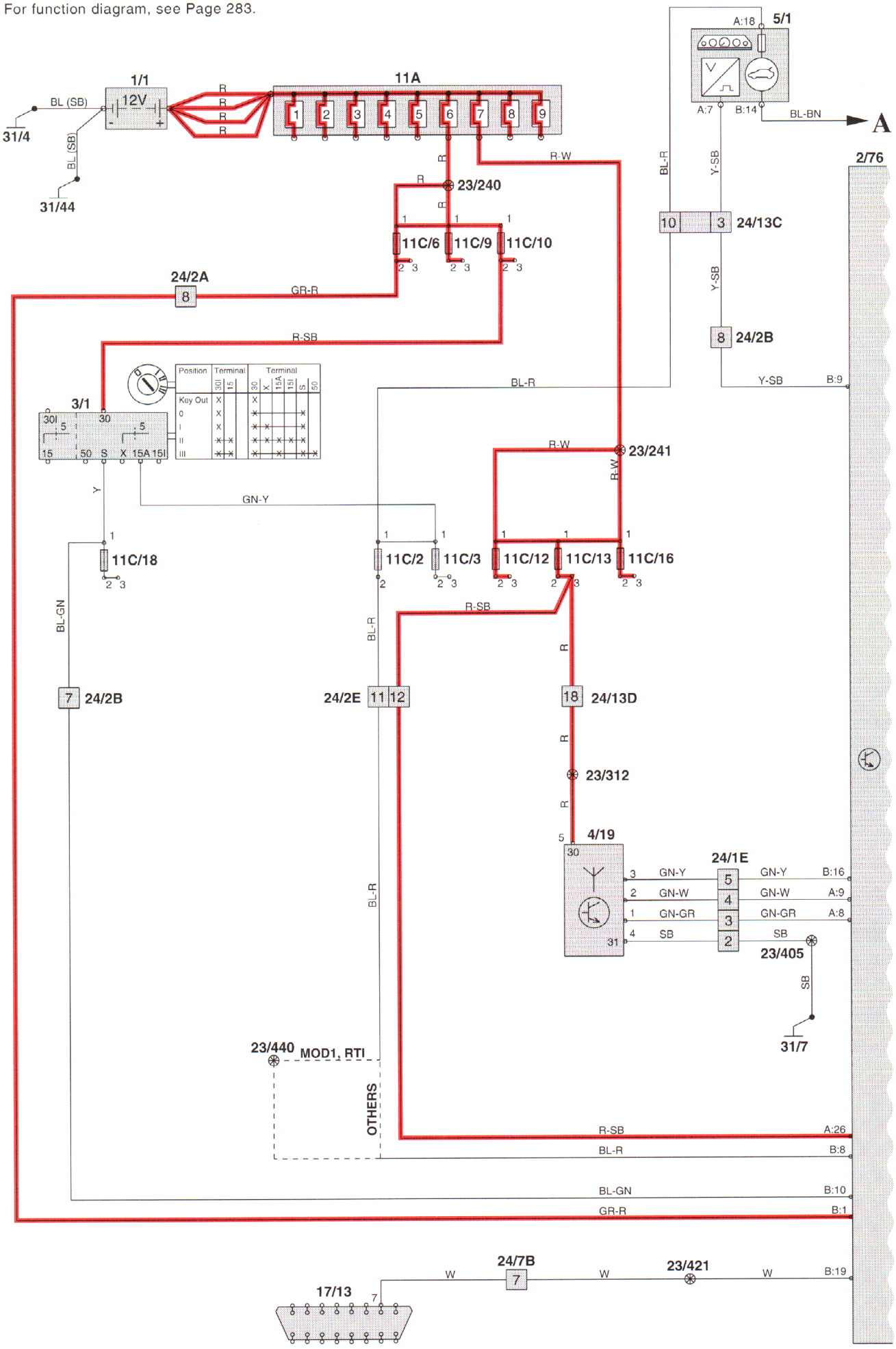


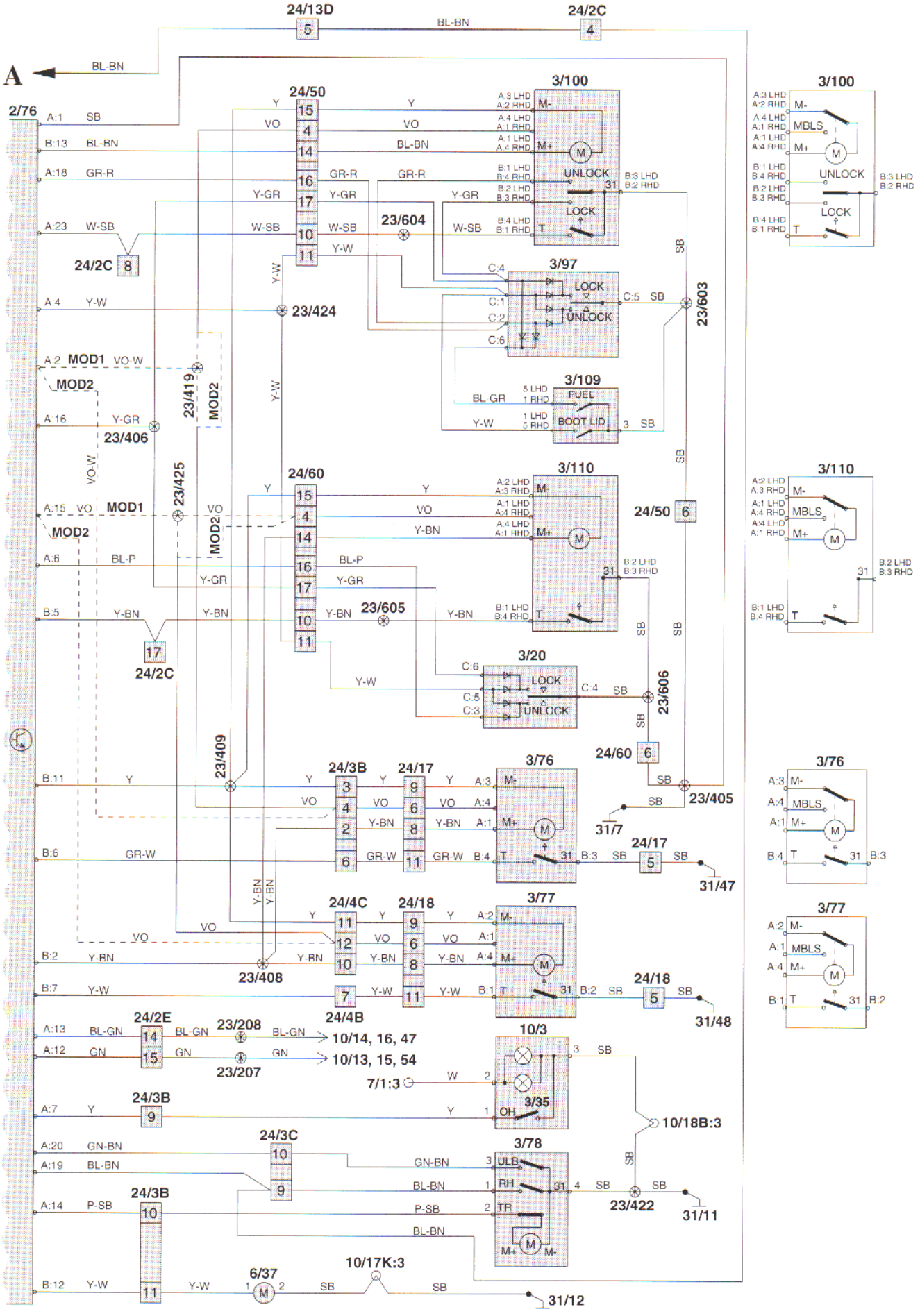



3/100
A 1 2 3 4
B 1 2 3 4
3/109
5 4 3 2 1
3/97
C
2 1
6 5 4 3
3 4 5 6
1 A 2
3/20
A
3 4 5 6
1 2
C
2 1
6 5 4 3
31/11
31/12
3/144
2 4 6 8
1 3 5 7
3/110
A 1 2 3 4
B 1 2 3 4
24/67
1 2
3 4 5 6
31/48

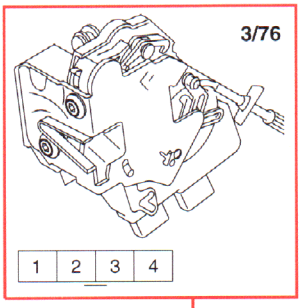
Central locking
S70

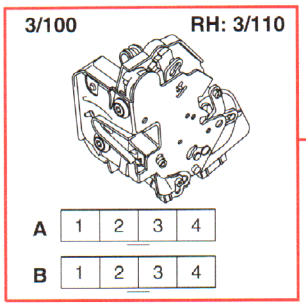
For function diagram, see Page 283.

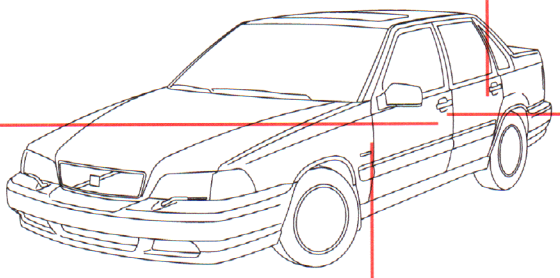


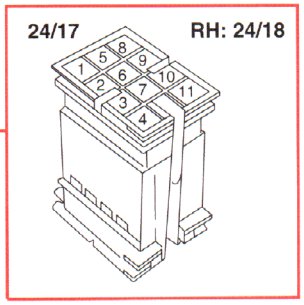

24/13D
5
BL-BN
24/2C
4
A
BL-BN
2/76
A:1 SB
B:13 BL-BN
A:18 GR-R
A:23 W-SB
24/2C 8
A:4 Y-W
A:2 MOD1 VO-W
MOD2
A:16 Y-GR
23/406
VO-W
A:15 VO MOD1
MOD2
A:6 BL-P
B:5 Y-BN
17
24/2C
B:11 Y
B:6 GR-W
B:2 Y-BN
B:7 Y-W
A:13 BL-GN
A:12 GN
24/2E
14
15
23/208
23/207
BL-GN
GN
10/14, 16, 47
10/13, 15, 54
A:7 Y
24/3B
9
7/1:3
W
2
3/35
OH
1
3
SB
10/18B:3
A:20 GN-BN
A:19 BL-BN
24/3C
10
9
A:14 P-SB
24/3B
10
B:12 Y-W
11
Y-W
6/37
M
SB
10/17K:3
SB
31/12
24/50
15
4
14
16
17
10
11
Y
VO
BL-BN
GR-R
Y-GR
W-SB
Y-W
23/604
3/100
A:3 LHD A:2 RHD M-
A:4 LHD A:1 RHD M+
A:1 LHD A:4 RHD
B:1 LHD B:4 RHD
B:2 LHD B:3 RHD
B:4 LHD B:1 RHD
UNLOCK
LOCK
T
31
B:3 LHD B:2 RHD
3/97
C:4
C:1
C:2
C:6
C:5
LOCK
UNLOCK
SB
23/603
23/424
3/109
BL-GR
Y-W
5 LHD 1 RHD
1 LHD 5 RHD
FUEL
BOOT LID
3
SB
23/419
MOD2
23/425
MOD1
23/405
24/60
15
4
14
16
17
10
11
BL-P
23/605
3/110
A:2 LHD A:3 RHD M-
A:1 LHD A:4 RHD MBLS
A:4 LHD A:1 RHD M+
B:2 LHD B:3 RHD
24/50 6
3/20
C:6
C:5
C:3
C:4
23/606
24/60 6
23/409
24/3B
3
4
2
6
24/17
9
6
8
11
3/76
A:3 M-
A:4 MBLS
A:1 M+
B:4 T
B:3
31/7
24/17 5
31/47
24/4C
11
12
10
7
24/18
9
6
8
11
3/77
A:2 M-
A:1 MBLS
A:4 M+
B:1 T
B:2
24/18 5
31/48
23/408
24/4B
3/78
ULB
RH
TR
M+
M-
4
23/422
31/11
10/3
3
2
1
W
Y
SB
GN-BN
BL-BN
P-SB
Y-BN
VO
Y-W
GR-W
BL-GN
GN

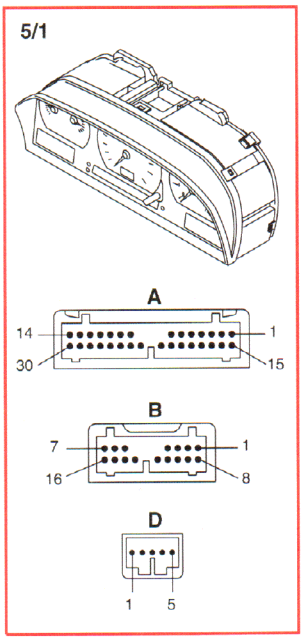
Central locking
S70

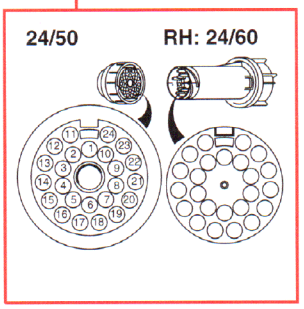


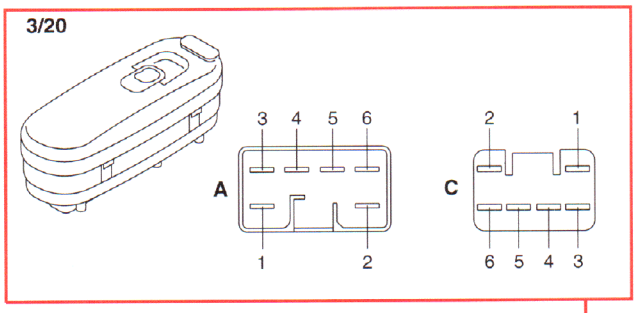


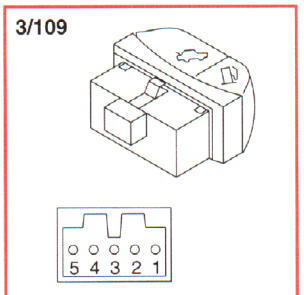


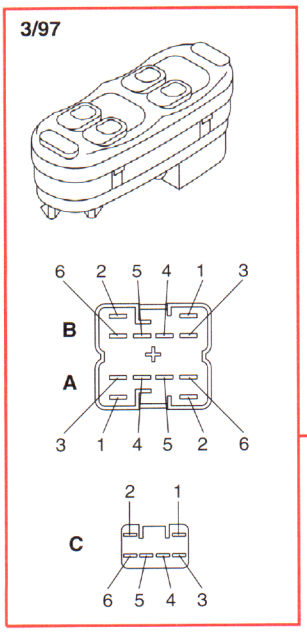


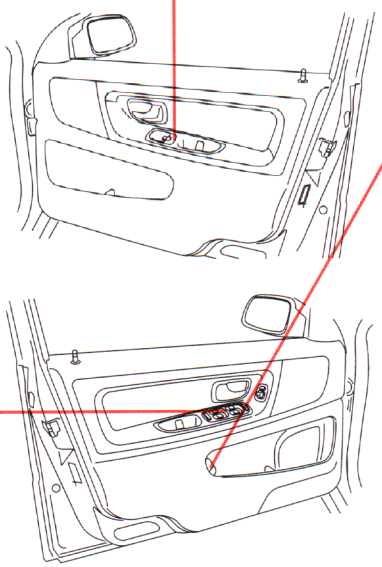


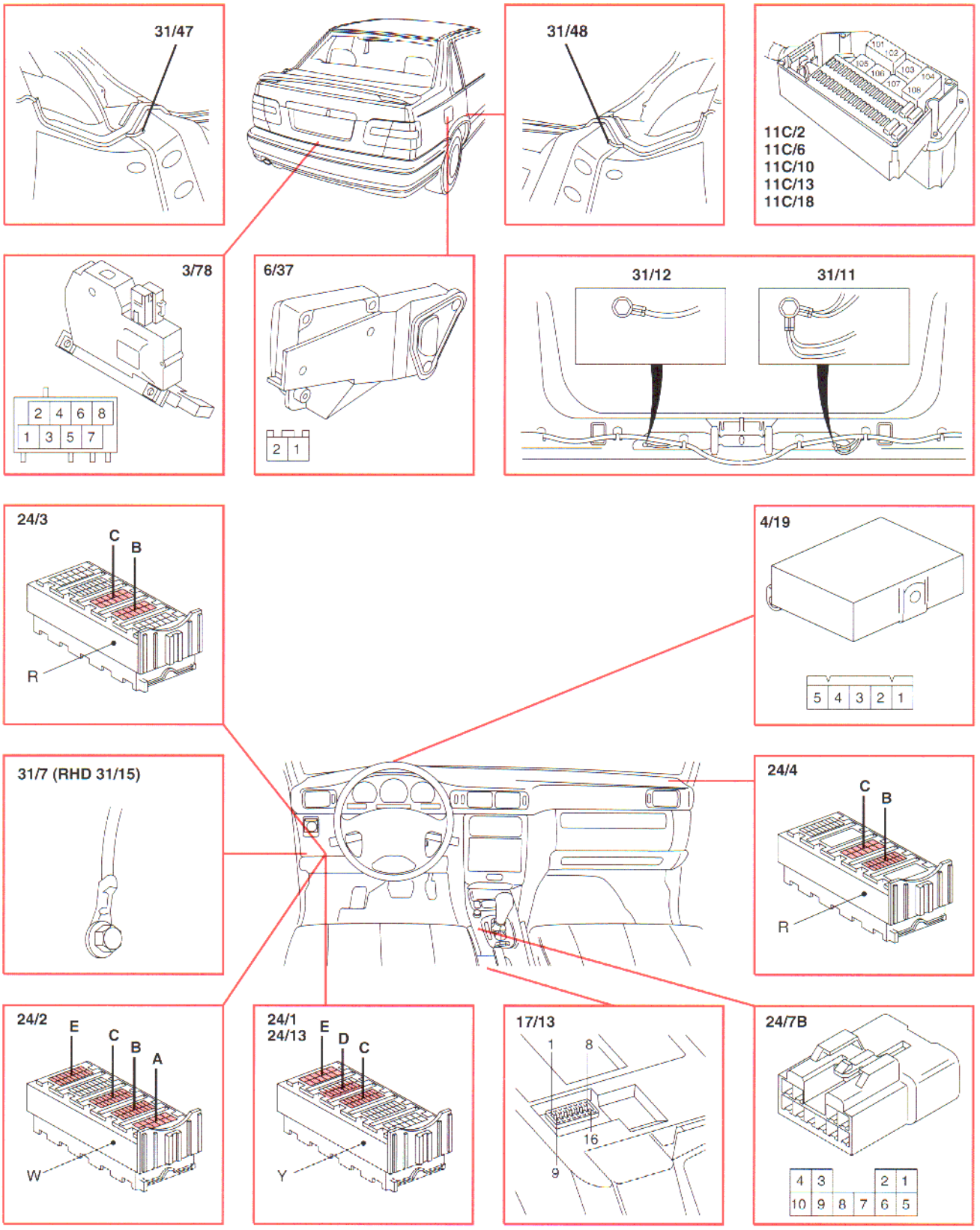






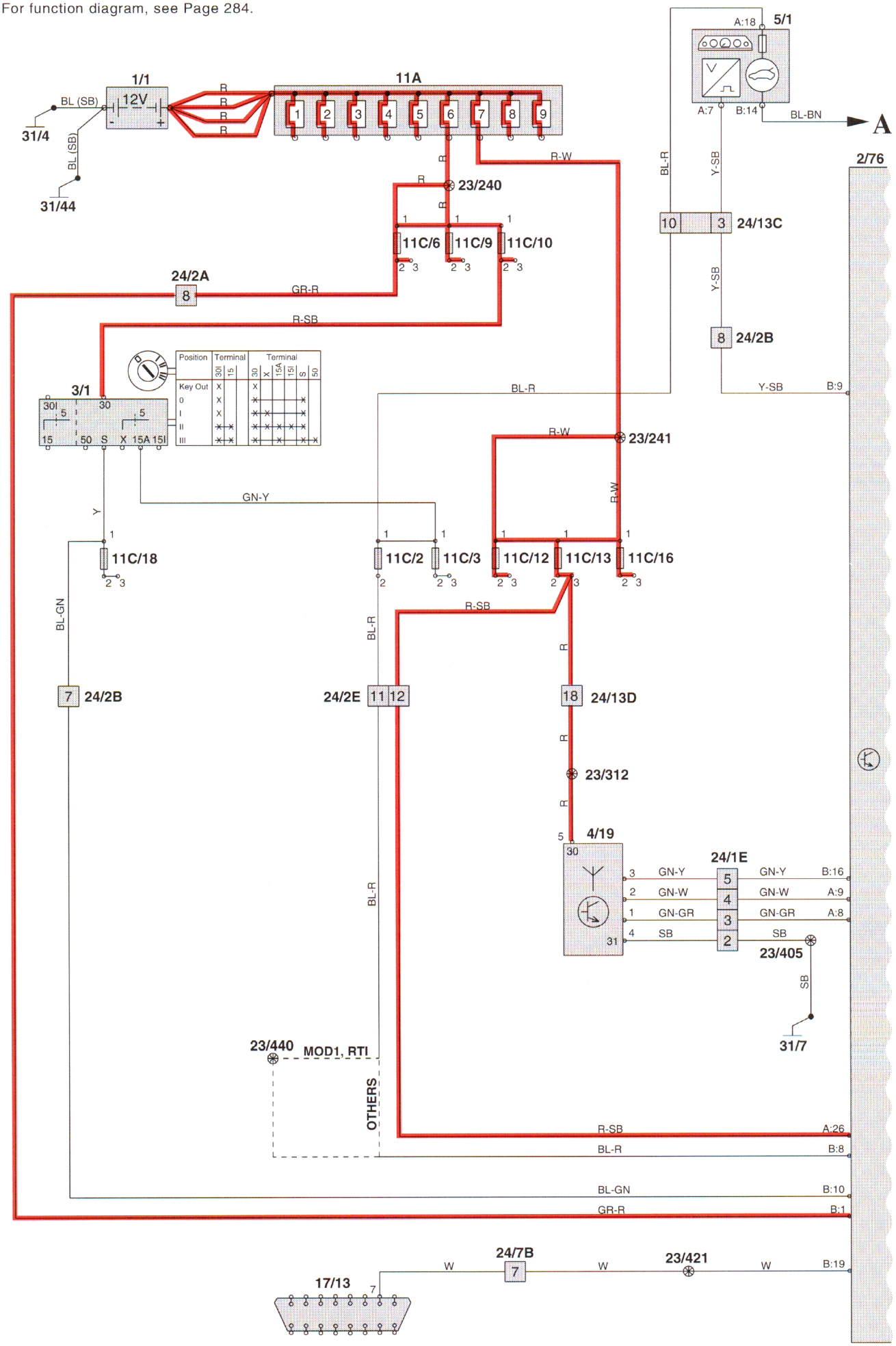


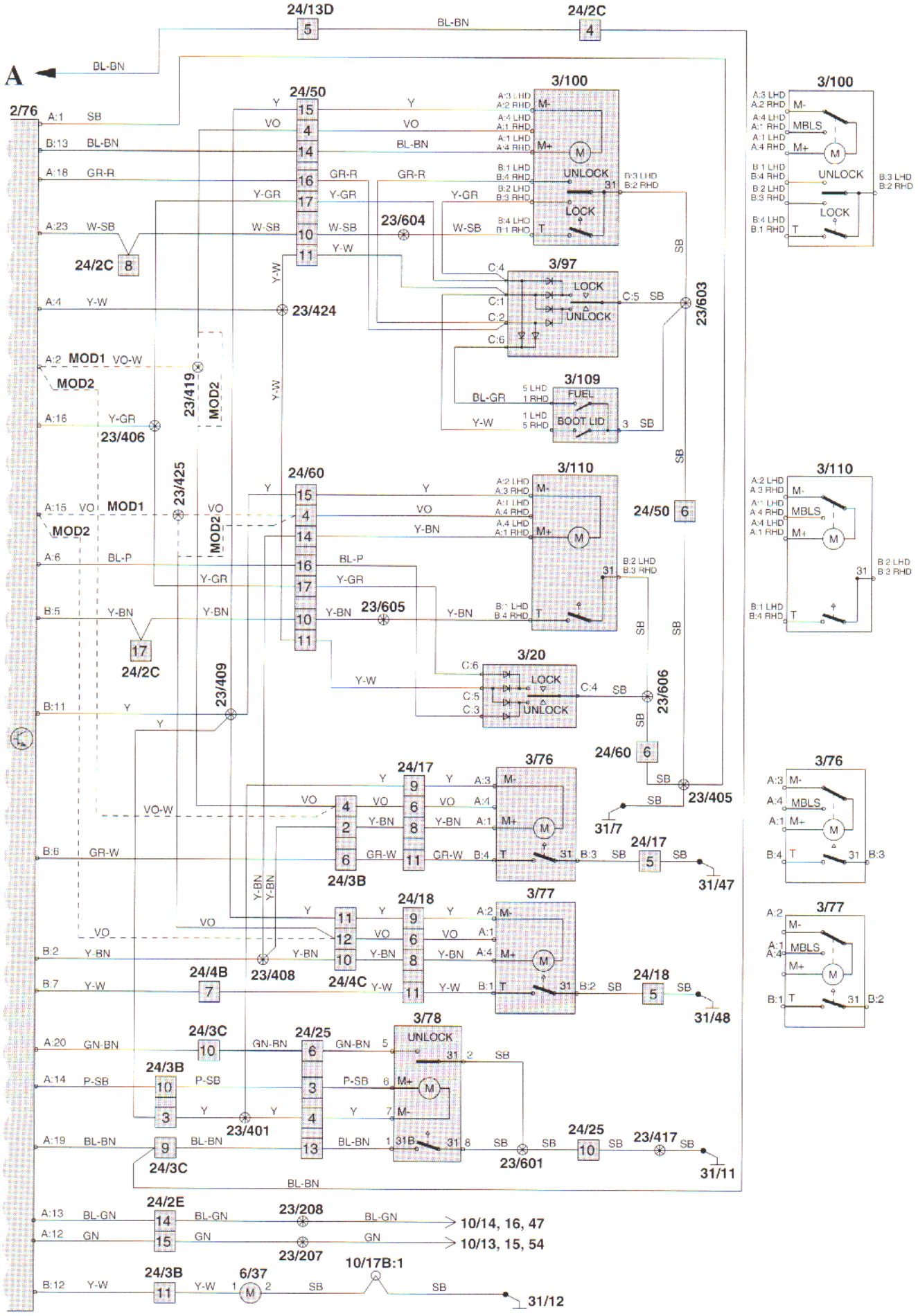



31/47
31/48
11C/2
11C/6
11C/10
11C/13
11C/18
3/78
2 4 6 8
1 3 5 7
6/37
2 1
31/12
31/11
24/3
C
B
R
4/19
5 4 3 2 1
31/7 (RHD 31/15)
24/4
C
B
R
24/2
E
C
B
A
W
24/1
24/13
E
D
C
Y
17/13
1
8
16
9
24/7B
4 3 2 1
10 9 8 7 6 5

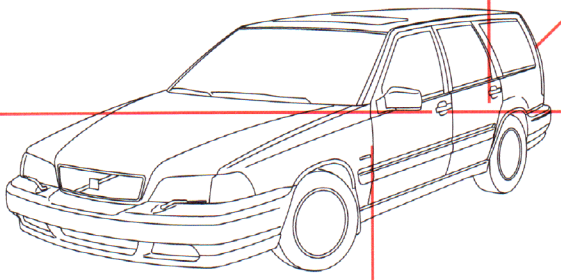
Central locking
V70

For function diagram, see Page 284.

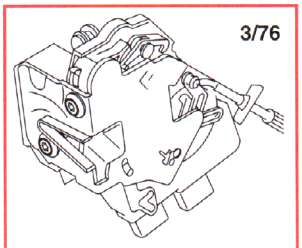



A
2/76
24/13D
24/2C
BL-BN
24/50
24/60
3/100
3/97
3/109
3/110
3/20
3/76
3/77
3/78
LOCK
UNLOCK
FUEL
BOOT LID
MBLS
MOD1
MOD2
23/419
23/424
23/604
23/603
23/406
23/425
23/605
23/606
23/409
23/405
23/408
23/401
23/601
23/417
23/208
23/207
24/17
24/18
24/25
24/3B
24/3C
24/4B
24/4C
24/2E
6/37
10/17B:1
31/7
31/47
31/48
31/11
31/12
10/14, 16, 47
10/13, 15, 54

Central locking
V70

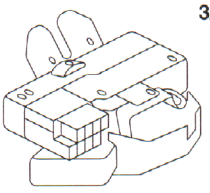


3/76



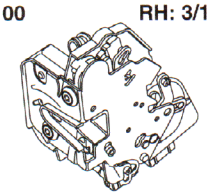
1	2	3	4

3/78



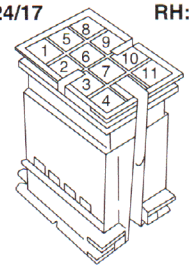
2	4	6	8
1	3	5	7

3/100 RH: 3/110

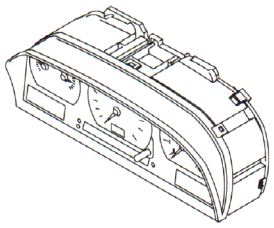


A	1	2	3	4
B	1	2	3	4

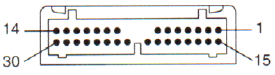
24/17 RH: 24/18



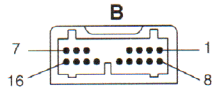
5/1



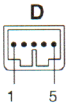
A



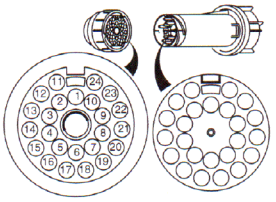
B



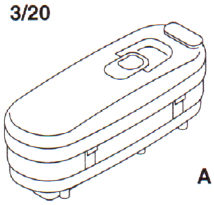
D



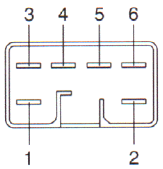
24/50 RH: 24/60



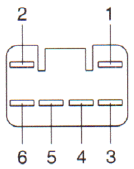
3/20



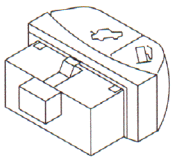
A

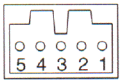


C

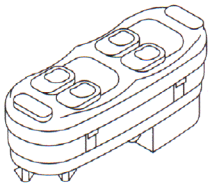


3/109

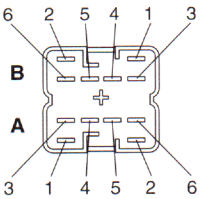




3/97

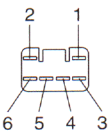


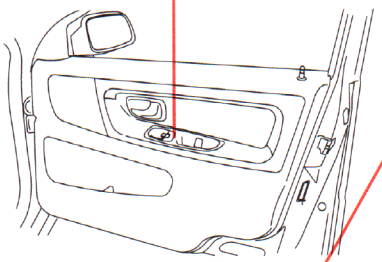
B

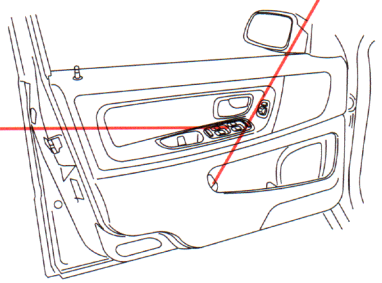


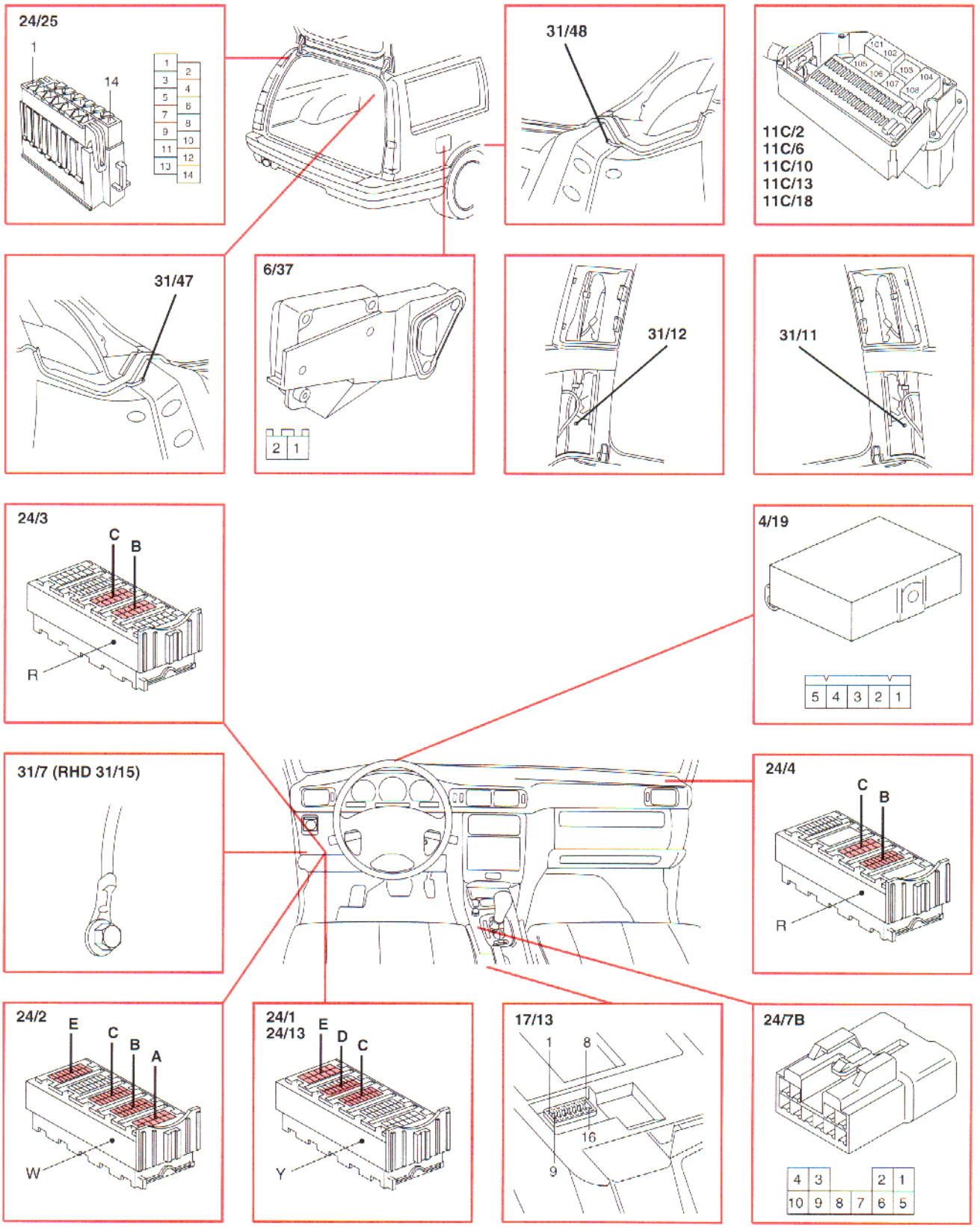
A

C



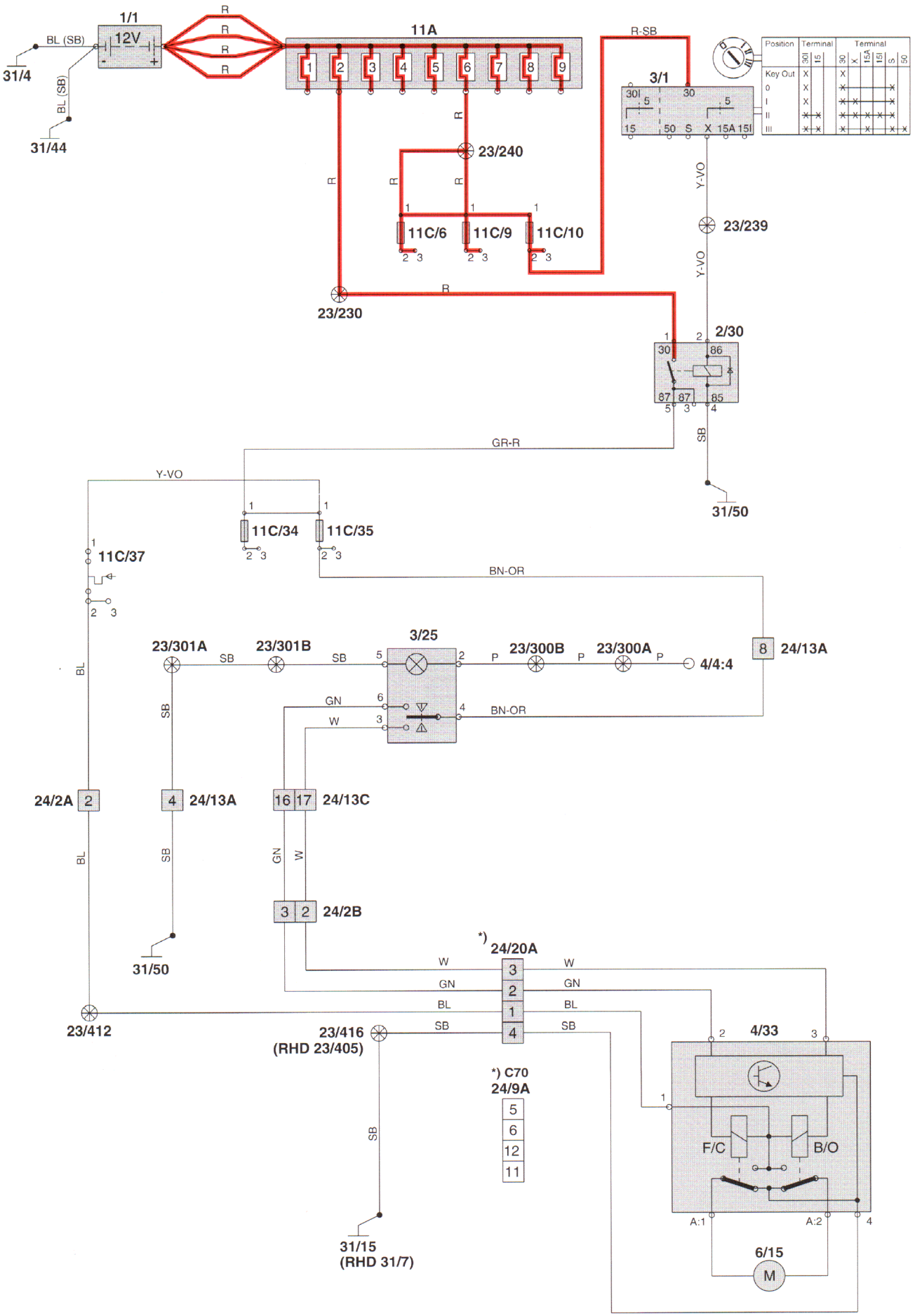


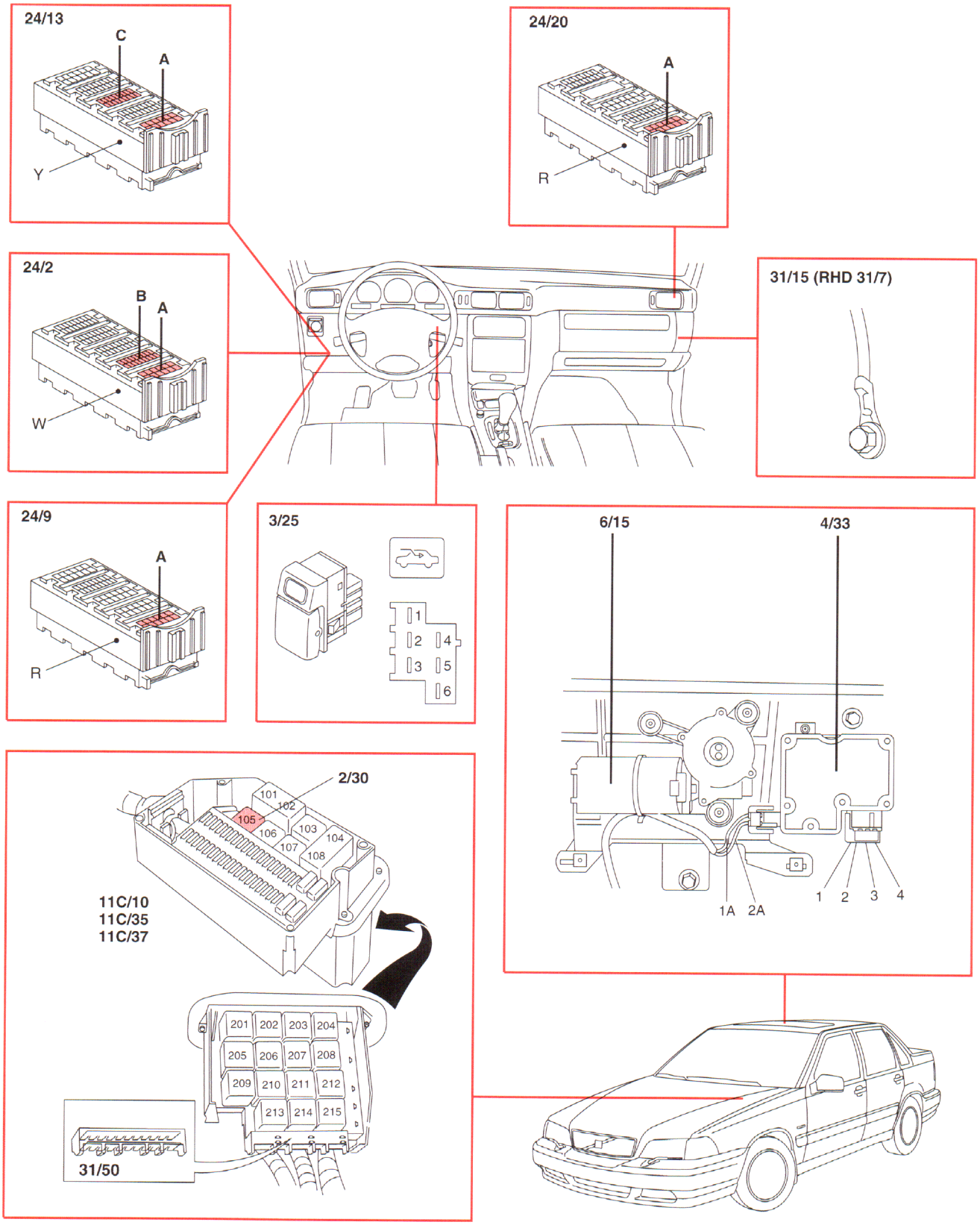



24/25
1
14
1 2
3 4
5 6
7 8
9 10
11 12
13 14
31/48
11C/2
11C/6
11C/10
11C/13
11C/18
31/47
6/37
2 1
31/12
31/11
24/3
C
B
R
4/19
5 4 3 2 1
31/7 (RHD 31/15)
24/4
C
B
R
24/2
E
C
B
A
W
24/1
24/13
E
D
C
Y
17/13
1
8
16
9
24/7B
4 3 2 1
10 9 8 7 6 5

Power sunroof

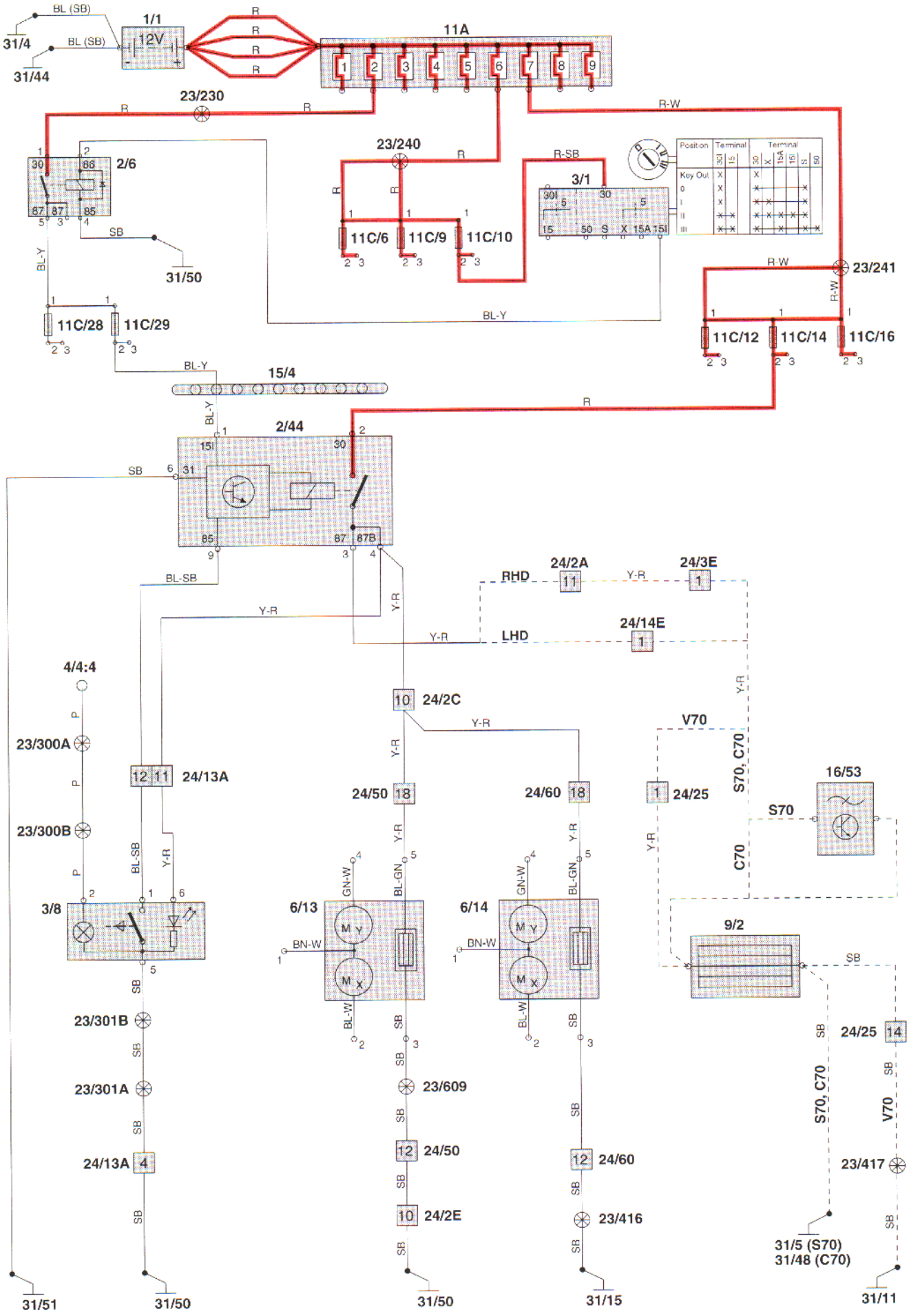
For function diagram, see Page 285.



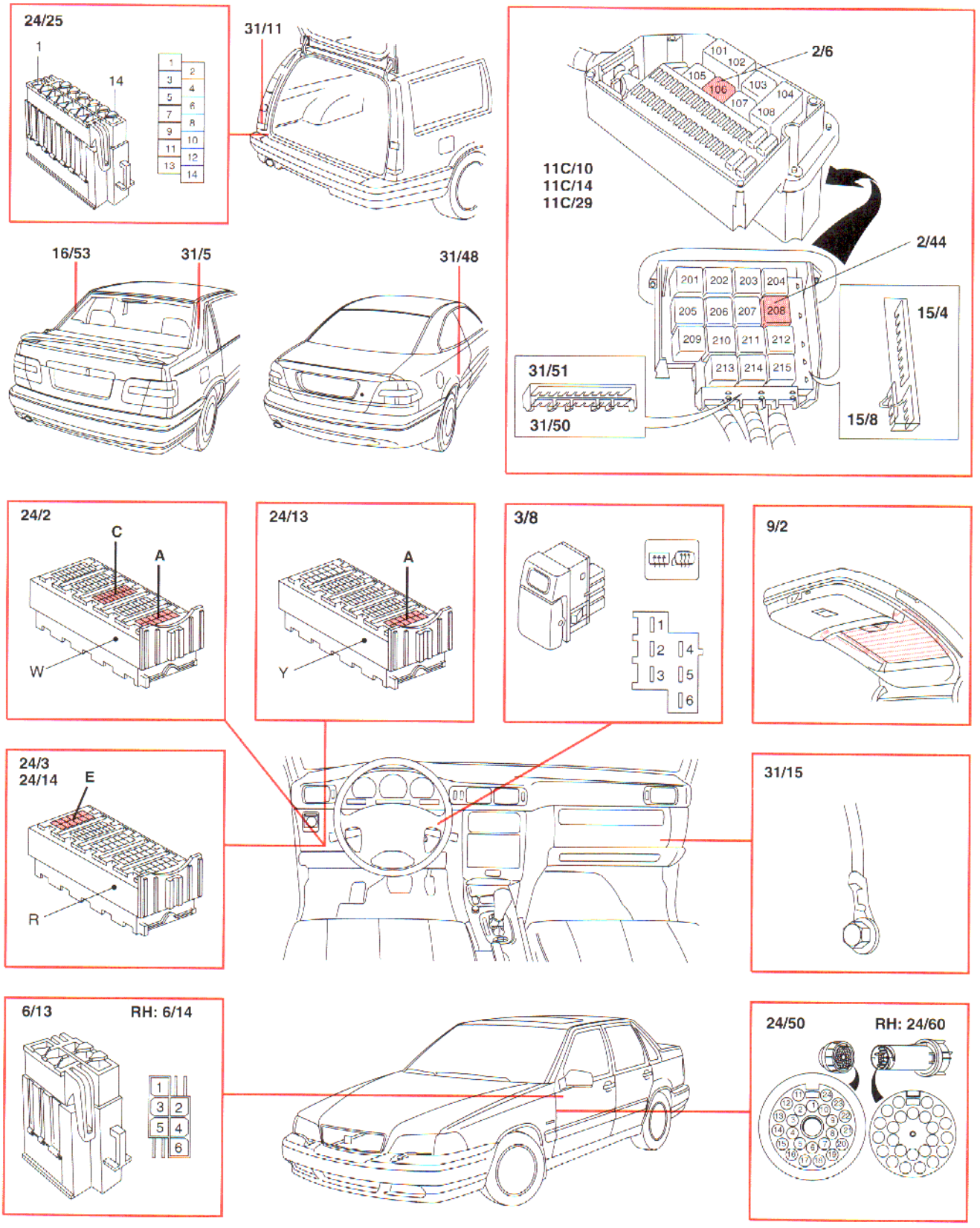

24/13
C
A
Y
24/20
A
R
24/2
B
A
W
31/15 (RHD 31/7)
24/9
A
R
3/25
1
2
4
3
5
6
6/15
4/33
1A
2A
1
2
3
4
2/30
101
102
105
106
103
104
107
108
11C/10
11C/35
11C/37
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50

Heated rear window and heated door mirrors

For function diagram, see Page 286.

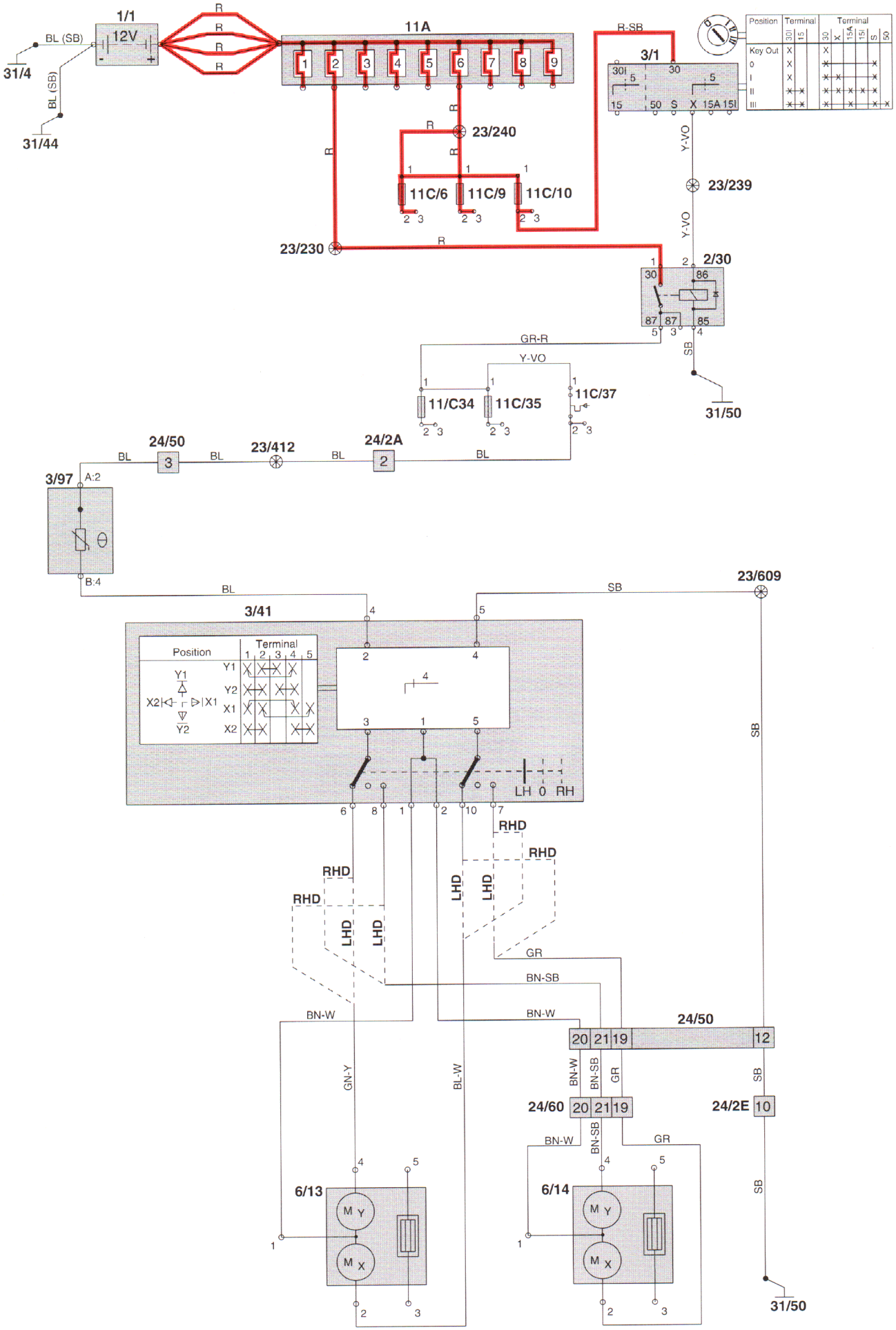


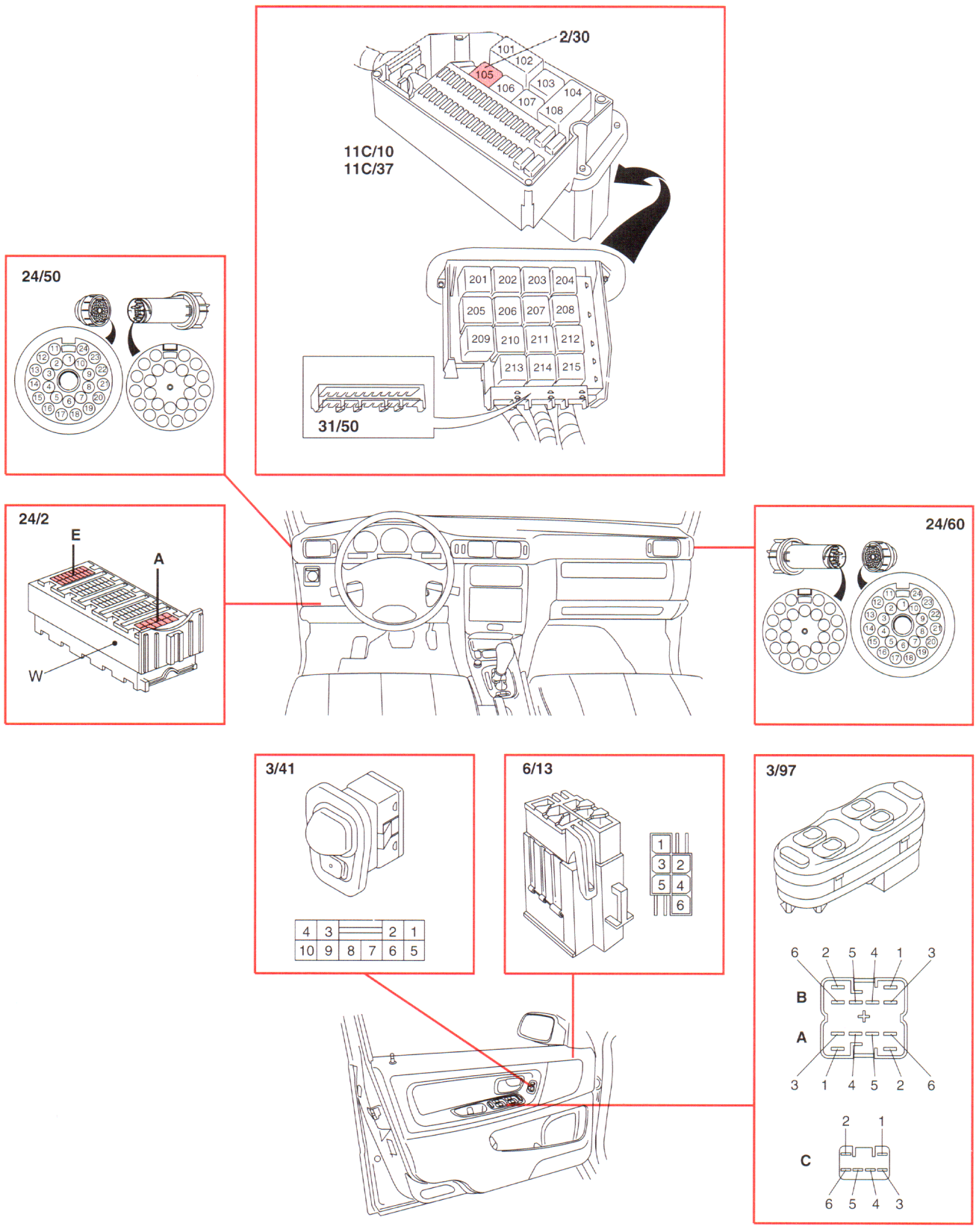
Heated rear window and heated door mirrors



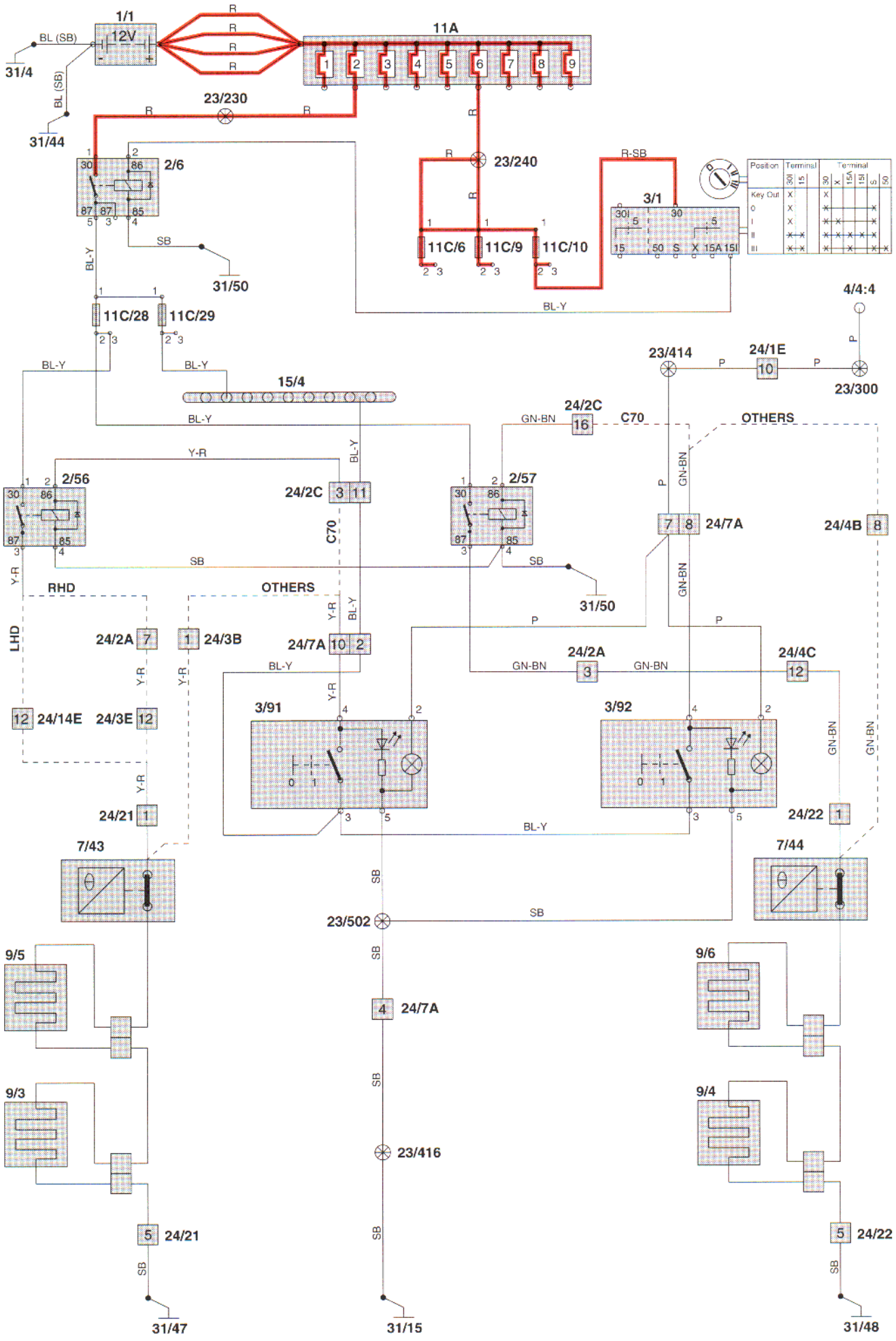
Power door mirrors

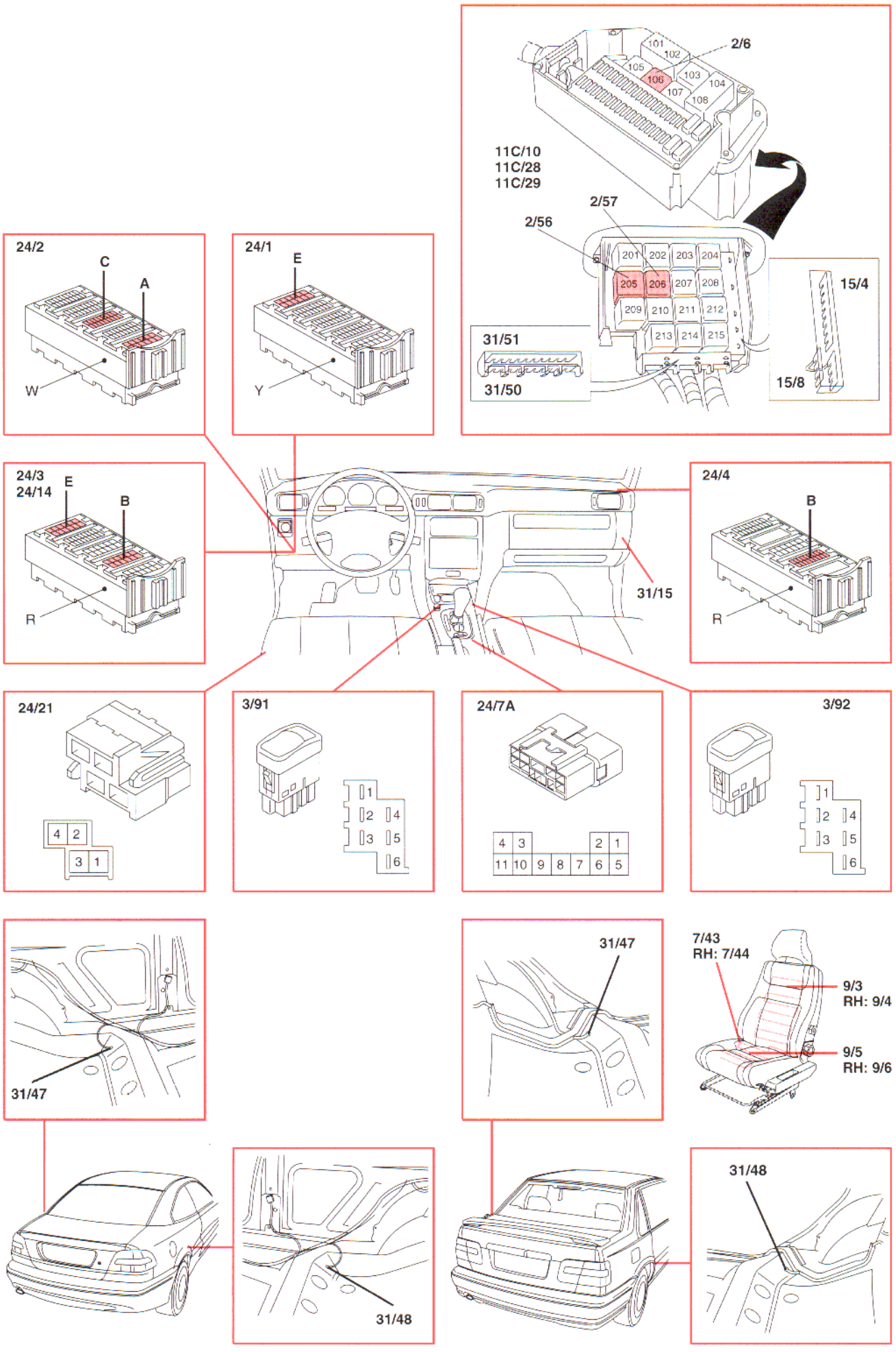
For function diagram, see Page 287.



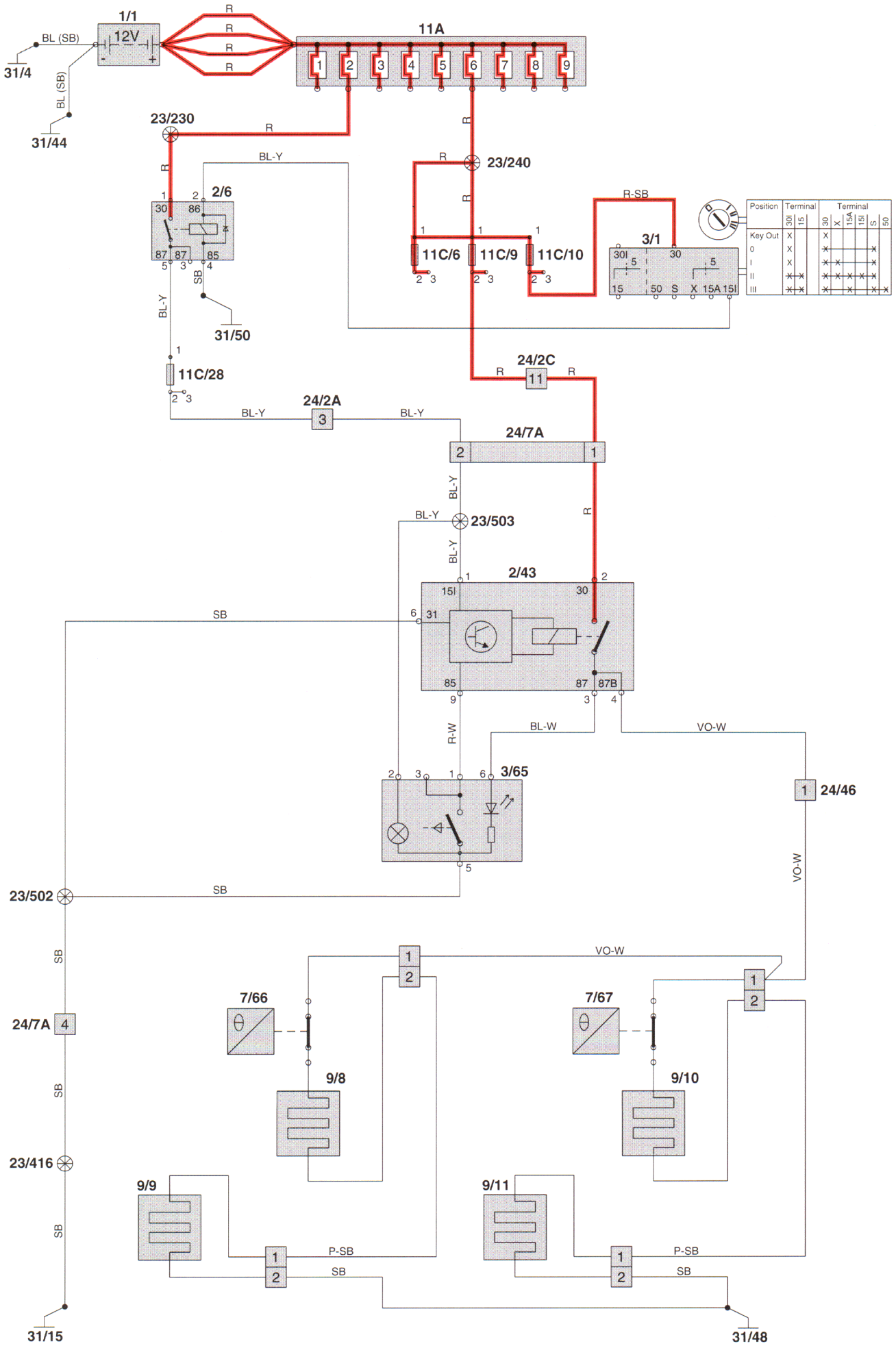

2/30
101
102
105
106
103
104
107
108
11C/10
11C/37
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50
24/50
24/2
E
A
W
24/60
3/41
4 3 2 1
10 9 8 7 6 5
6/13
1
3 2
5 4
6
3/97
6 2 5 4 1 3
B
A
3 1 4 5 2 6
2 1
C
6 5 4 3

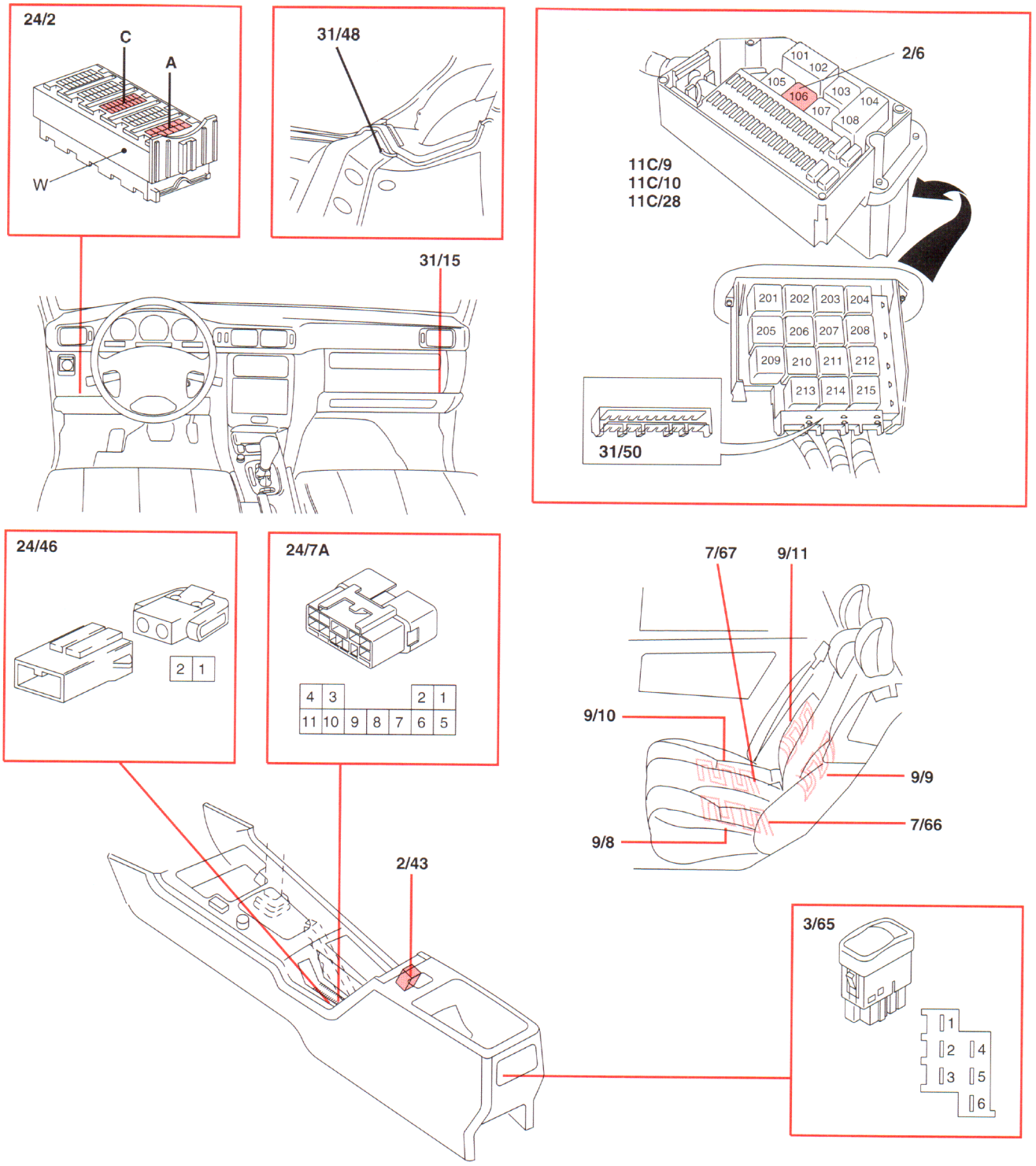
Electrically heated seats



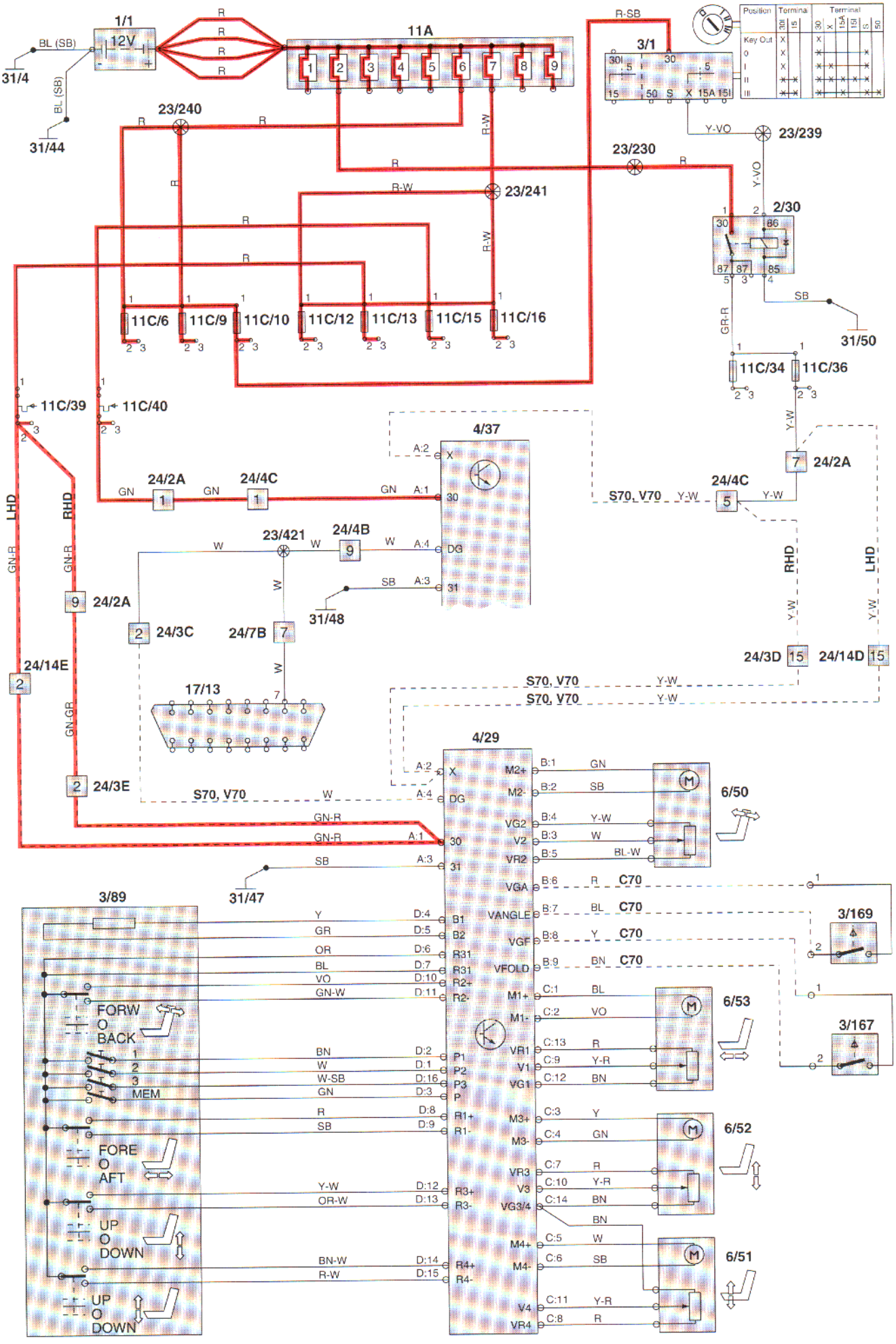

2/6
11C/10
11C/28
11C/29
2/57
2/56
31/51
31/50
15/4
15/8
24/2
C
A
W
24/1
E
Y
24/3
24/14
E
B
R
31/15
24/4
B
R
24/21
4 2
3 1
3/91
1
2 4
3 5
6
24/7A
4 3 2 1
11 10 9 8 7 6 5
3/92
1
2 4
3 5
6
31/47
31/47
7/43
RH: 7/44
9/3
RH: 9/4
9/5
RH: 9/6
31/48
31/48

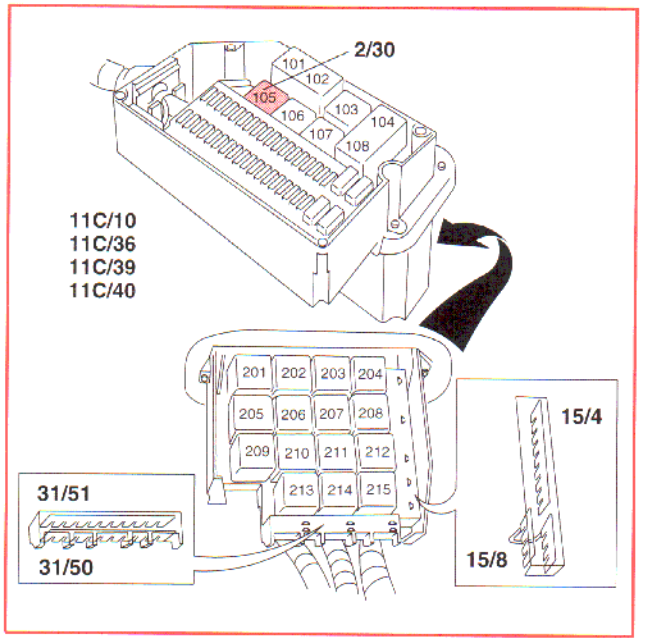
Heated rear seat

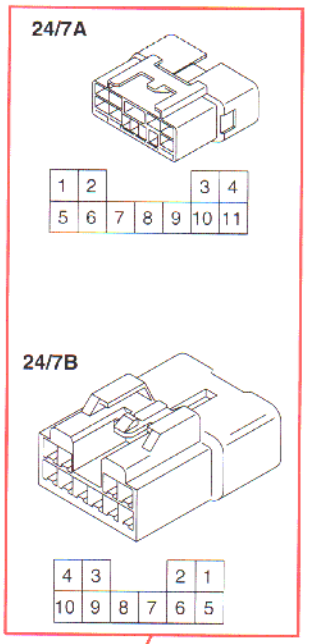


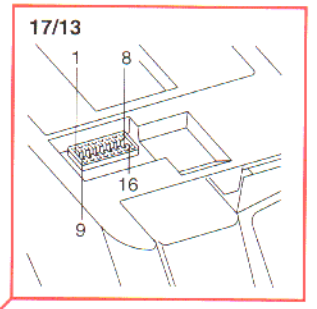

24/2
C
A
W
31/48
31/15
2/6
101
102
105
106
103
104
107
108
11C/9
11C/10
11C/28
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
31/50
24/46
2 1
24/7A
4 3
2 1
11 10 9 8 7 6 5
7/67
9/11
9/10
9/9
7/66
9/8
2/43
3/65
1
2
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3
5
6

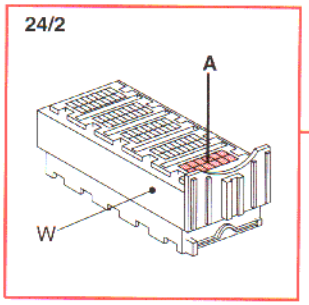
Power seats

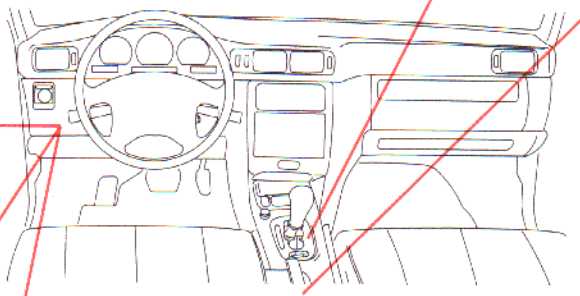

1/1
12V
BL (SB)
31/4
31/44
11A
23/240
23/241
23/230
23/239
3/1
2/30
11C/6
11C/9
11C/10
11C/12
11C/13
11C/15
11C/16
11C/34
11C/36
11C/39
11C/40
31/50
4/37
24/2A
24/4C
24/4B
23/421
24/3C
24/7B
24/14E
24/3E
24/3D
24/14D
17/13
31/48
31/47
4/29
3/89
6/50
6/53
6/52
6/51
3/169
3/167
C70
S70, V70
LHD
RHD
FORW
BACK
MEM
FORE
AFT
UP
DOWN
Position
Terminal
Key Out

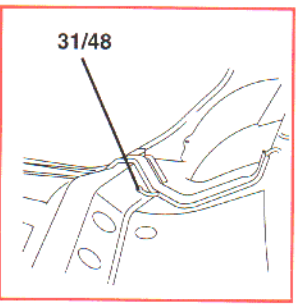

2/30
101
102
103
104
105
106
107
108
11C/10
11C/36
11C/39
11C/40
201
202
203
204
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206
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212
213
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215
31/51
31/50
15/4
15/8

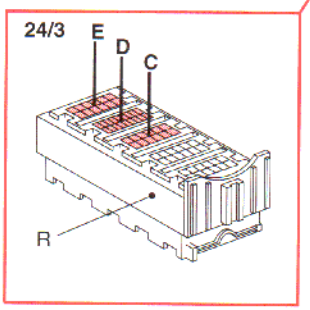

24/7A
1 2 3 4
5 6 7 8 9 10 11
24/7B
4 3 2 1
10 9 8 7 6 5

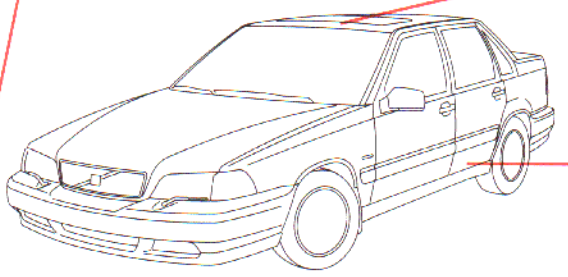

17/13
1
8
16
9

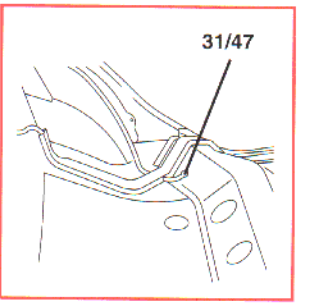

24/2
A
W

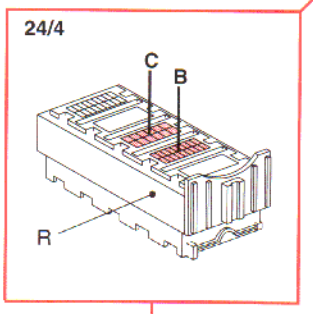


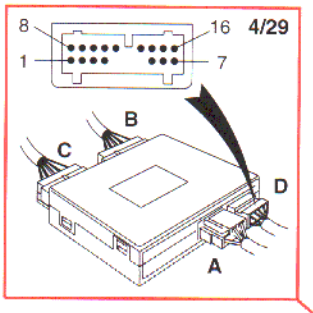

31/48

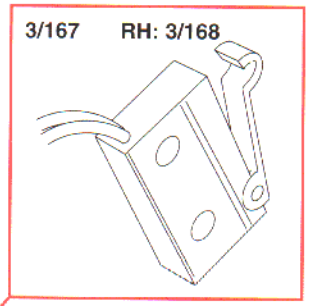

24/3
E
D
C
R

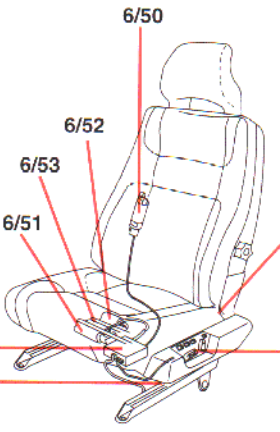


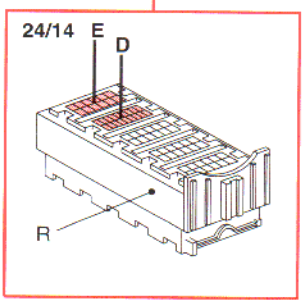

31/47

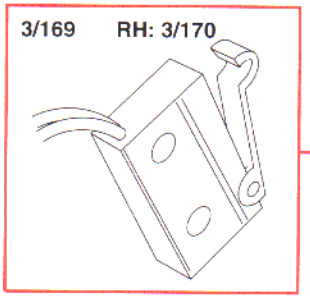

24/4
C
B
R

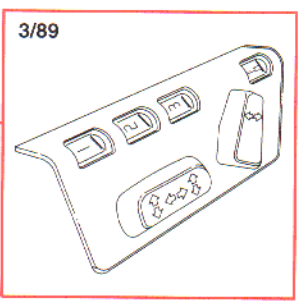

8
16
4/29
1
7
B
C
D
A


3/167
RH: 3/168

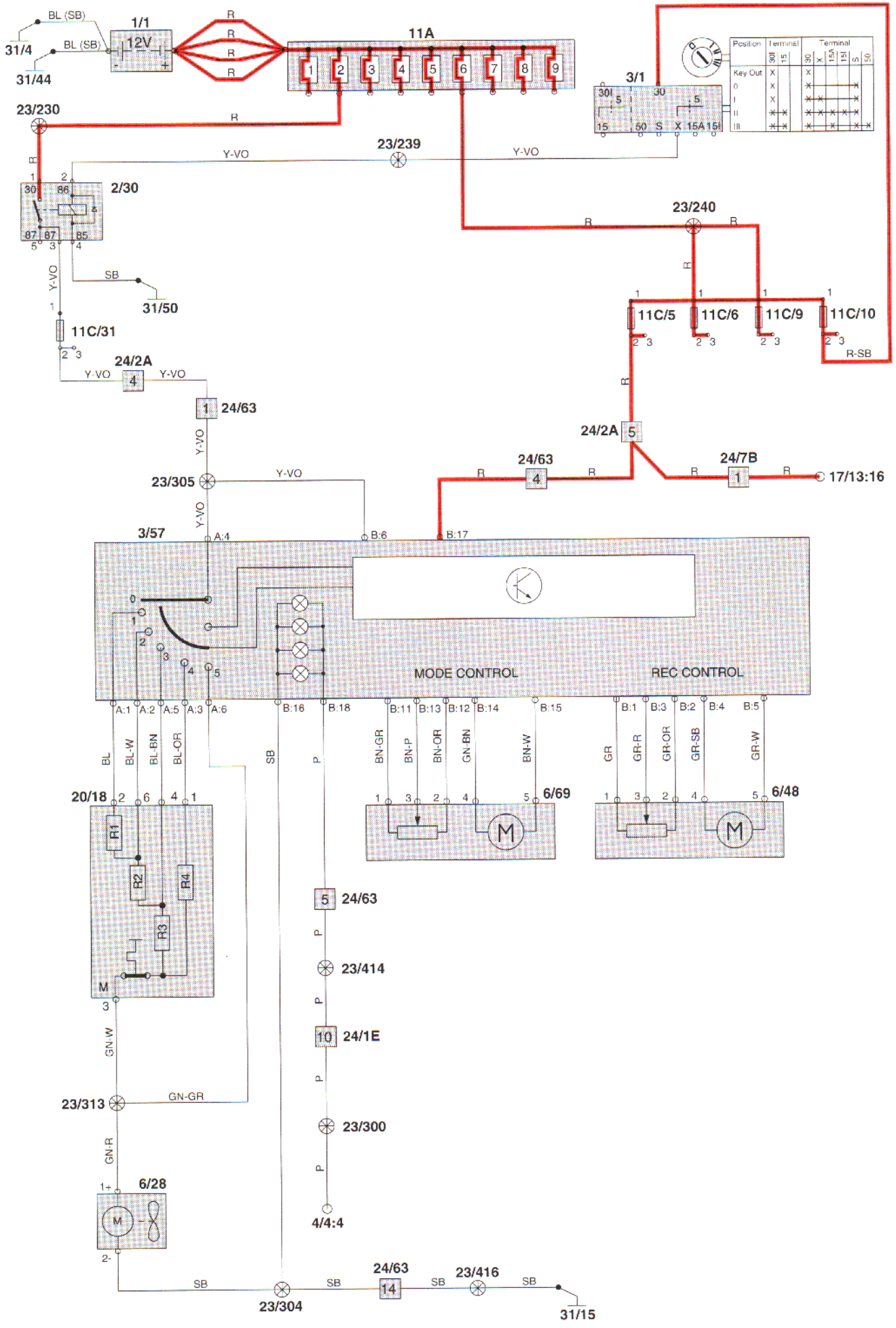

6/50
6/52
6/53
6/51

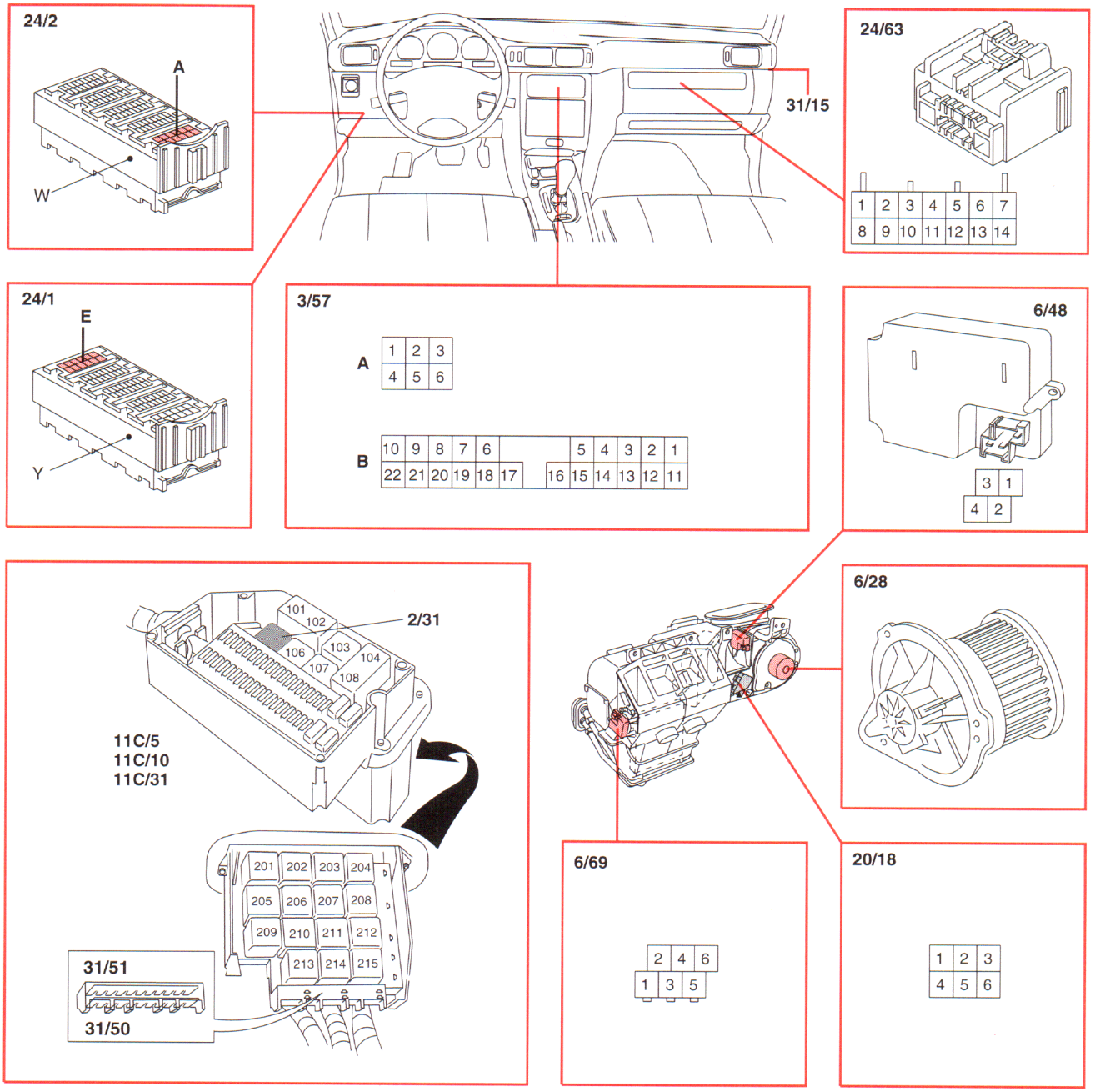

24/14
E
D
R


3/169
RH: 3/170

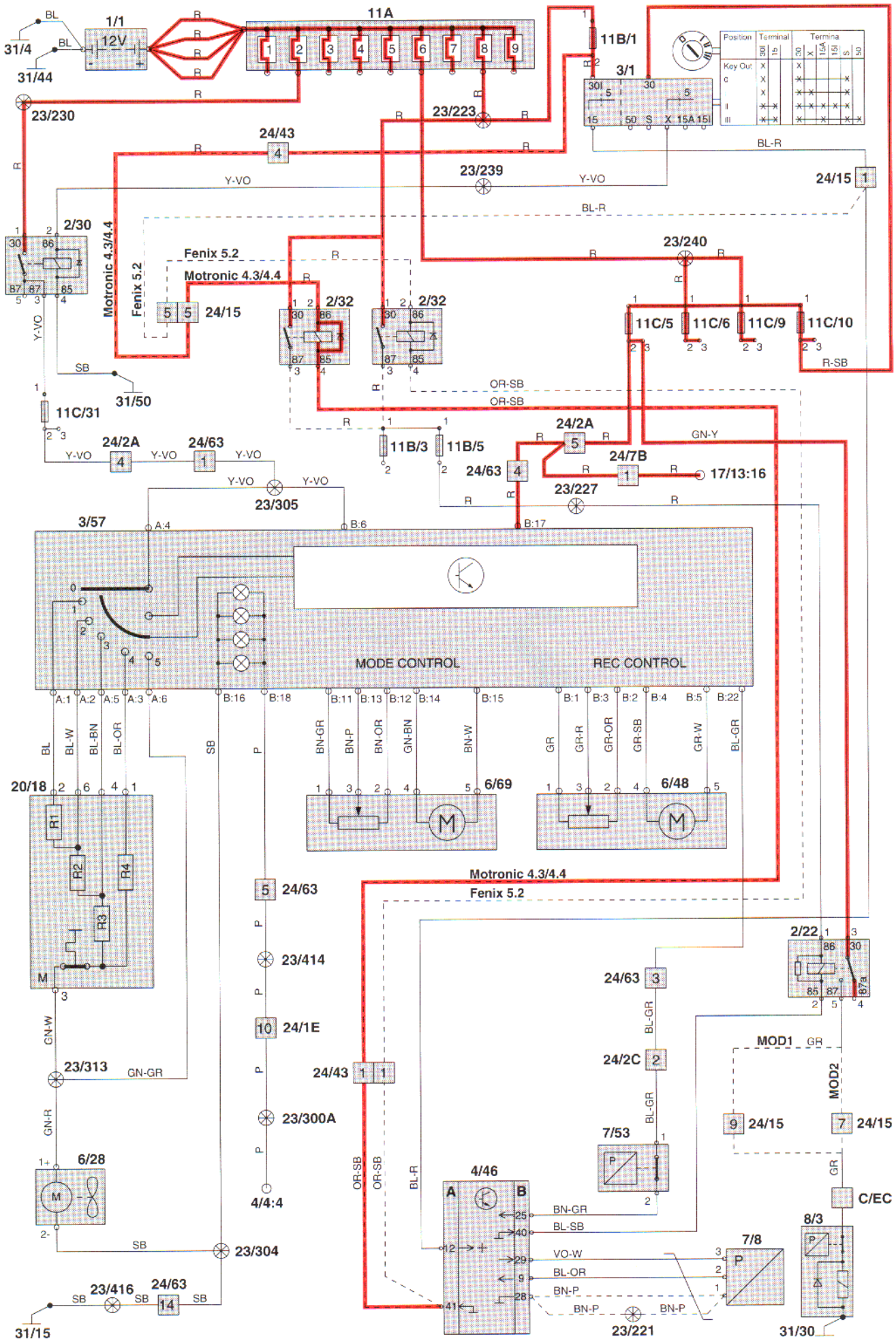

3/89

Standard heater

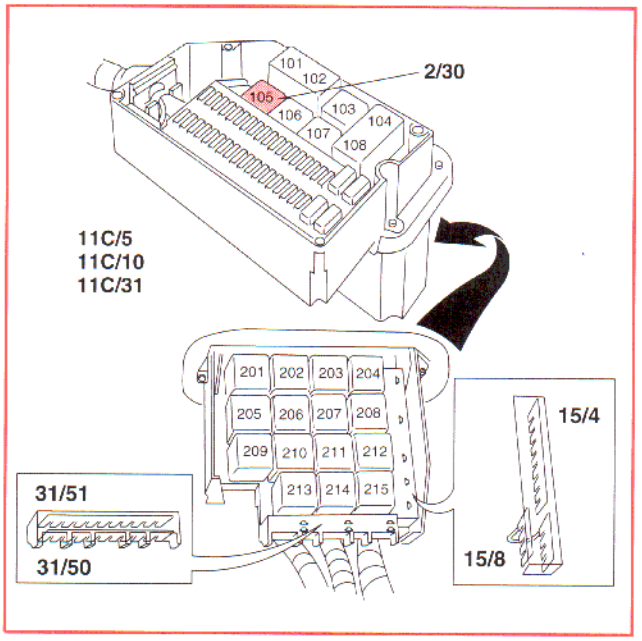


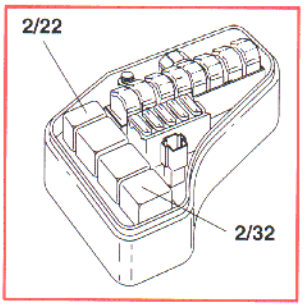

24/2
A
W
31/15
24/63
1 2 3 4 5 6 7
8 9 10 11 12 13 14
24/1
E
Y
3/57
A
1 2 3
4 5 6
B
10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12 11
6/48
3 1
4 2
2/31
101 102 103 104 106 107 108
11C/5
11C/10
11C/31
201 202 203 204
205 206 207 208
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213 214 215
31/51
31/50
6/28
6/69
2 4 6
1 3 5
20/18
1 2 3
4 5 6

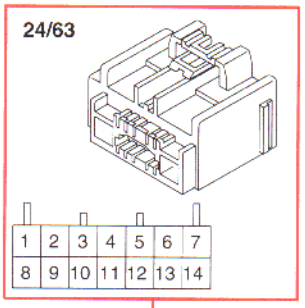
Manual Climate Control unit MCC
Fenix 5.2, Motronic 4.3/4.4

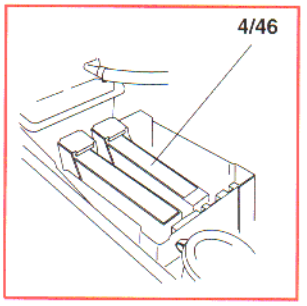


Manual Climate Control unit MCC
Fenix 5.2, Motronic 4.3/4.4

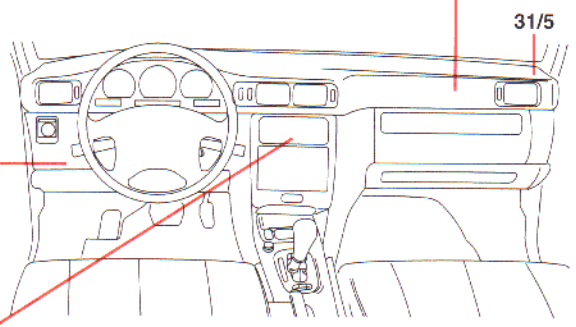


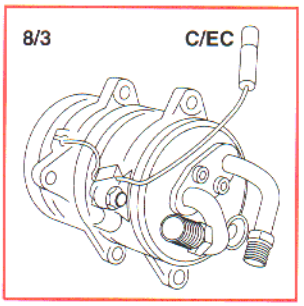


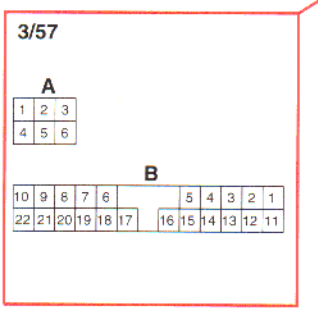


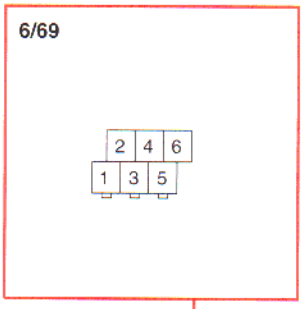


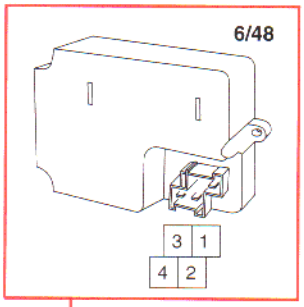


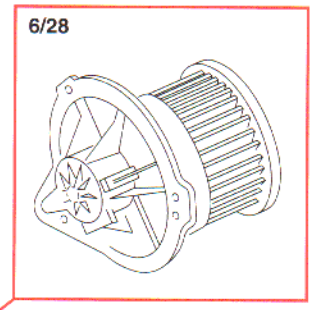


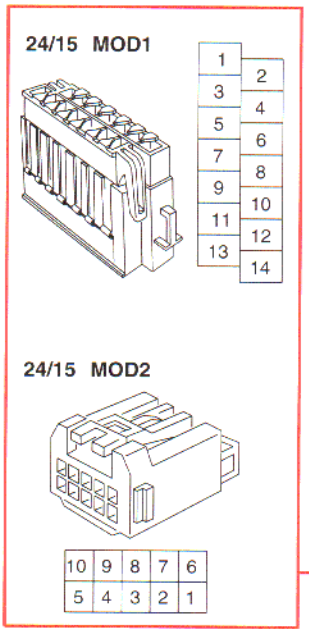


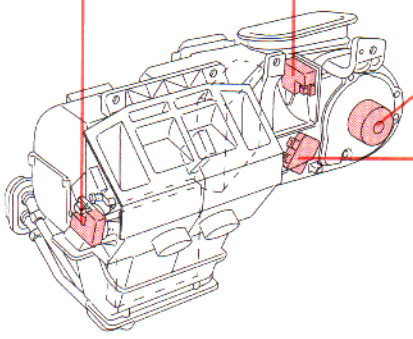


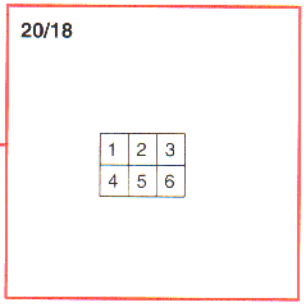


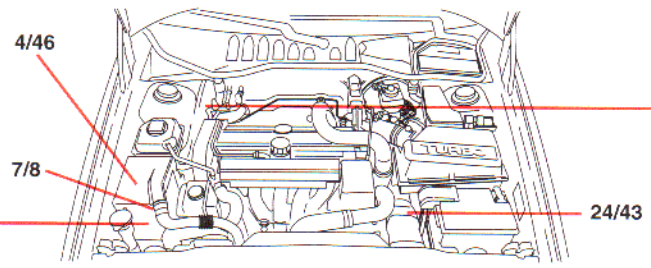


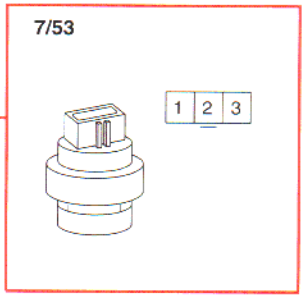




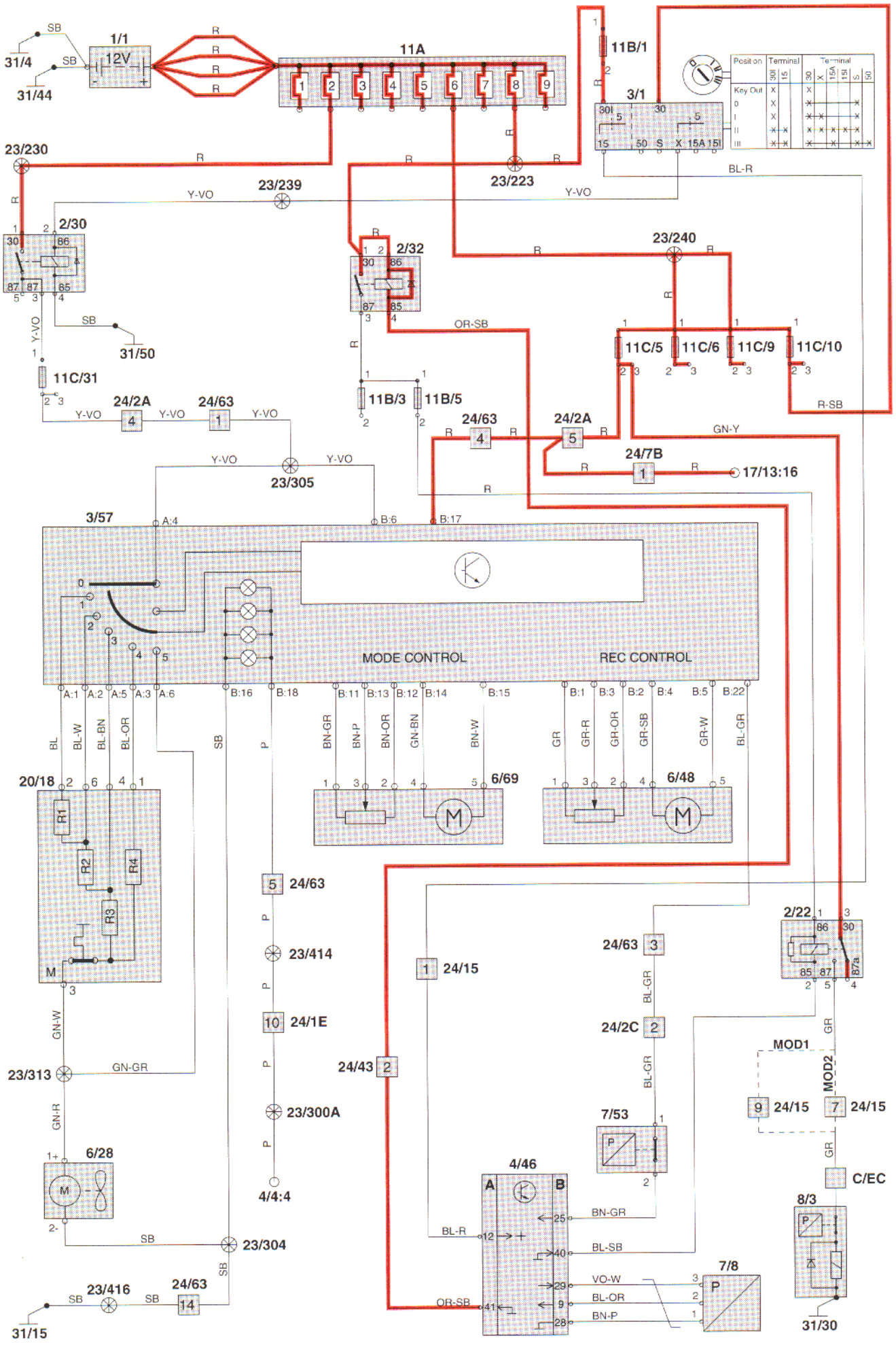




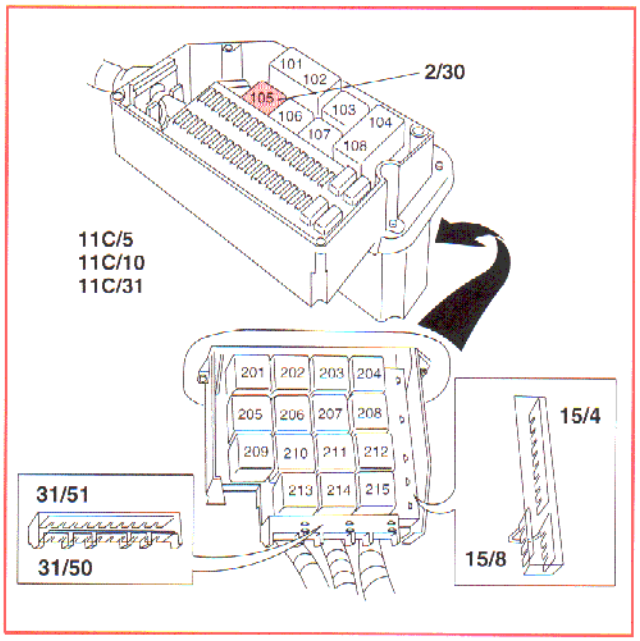


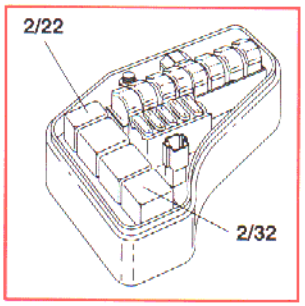


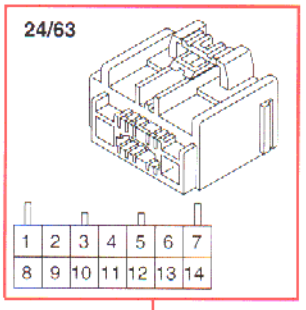
Manual Climate Control unit MCC
MSA 15.7

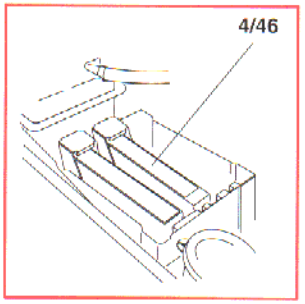


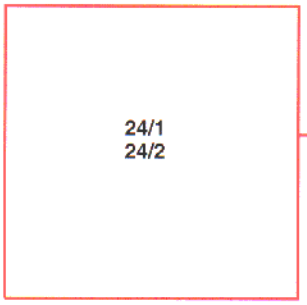
Manual Climate Control unit MCC
MSA 15.7

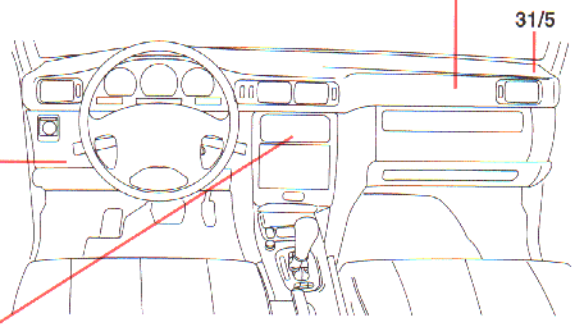


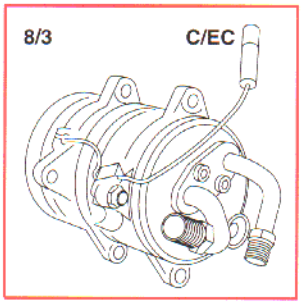


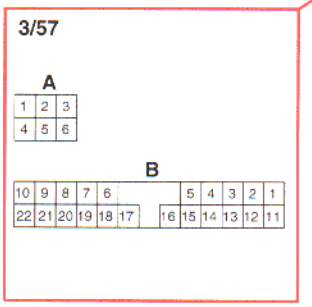


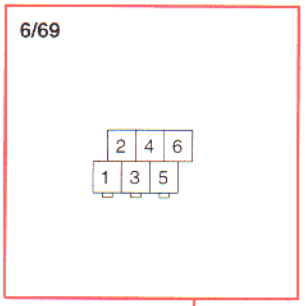


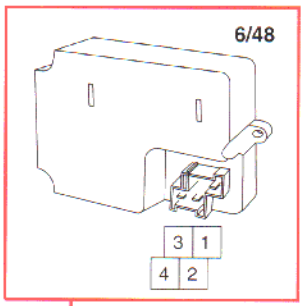


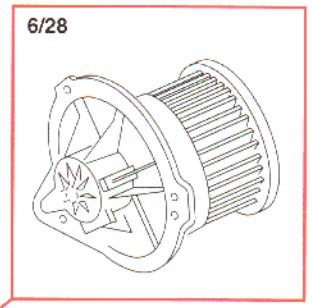


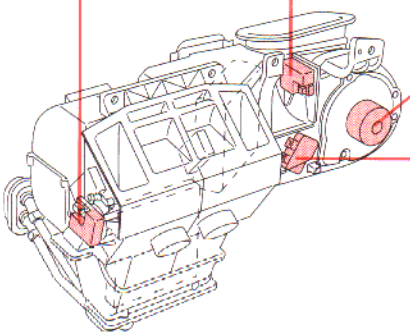


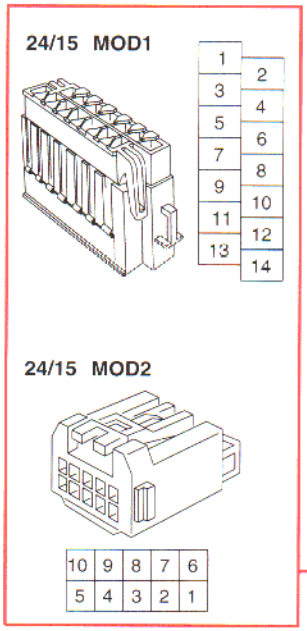


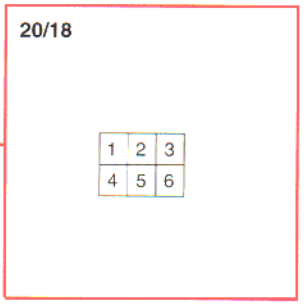


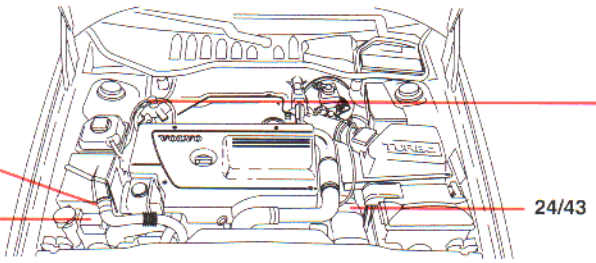


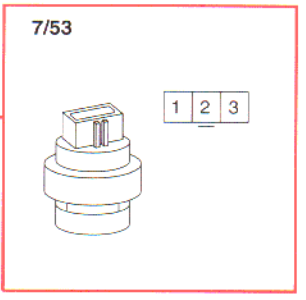




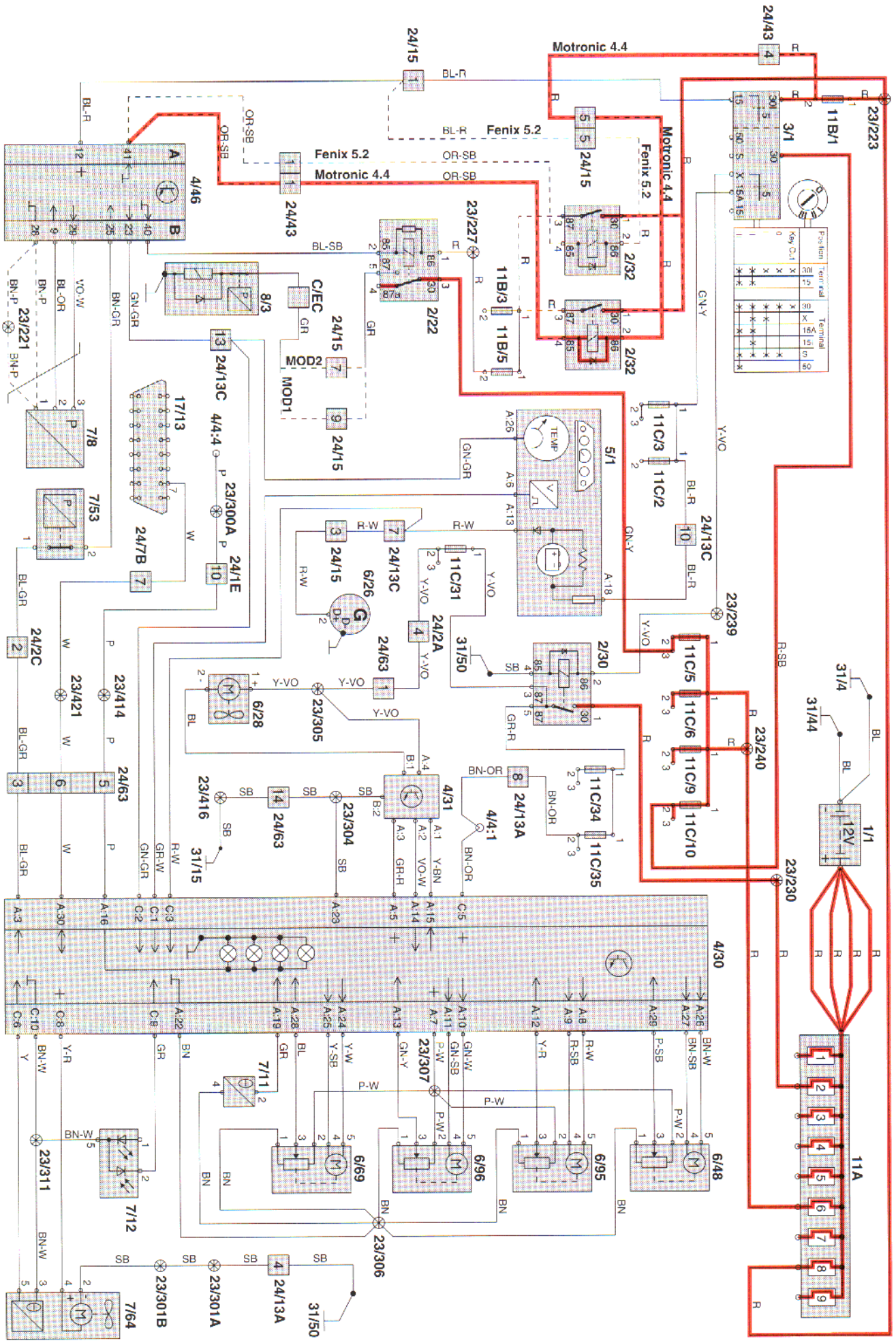




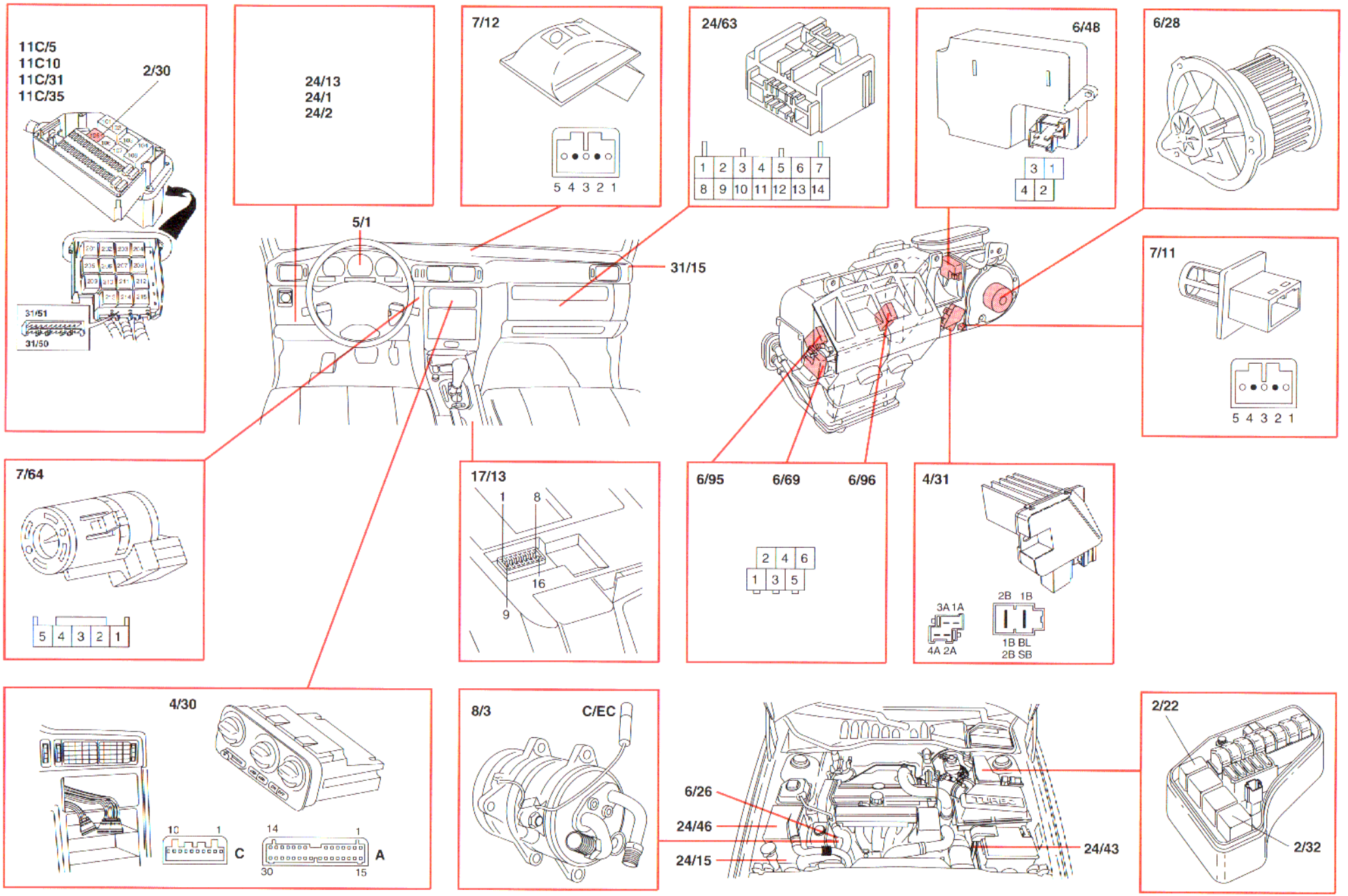




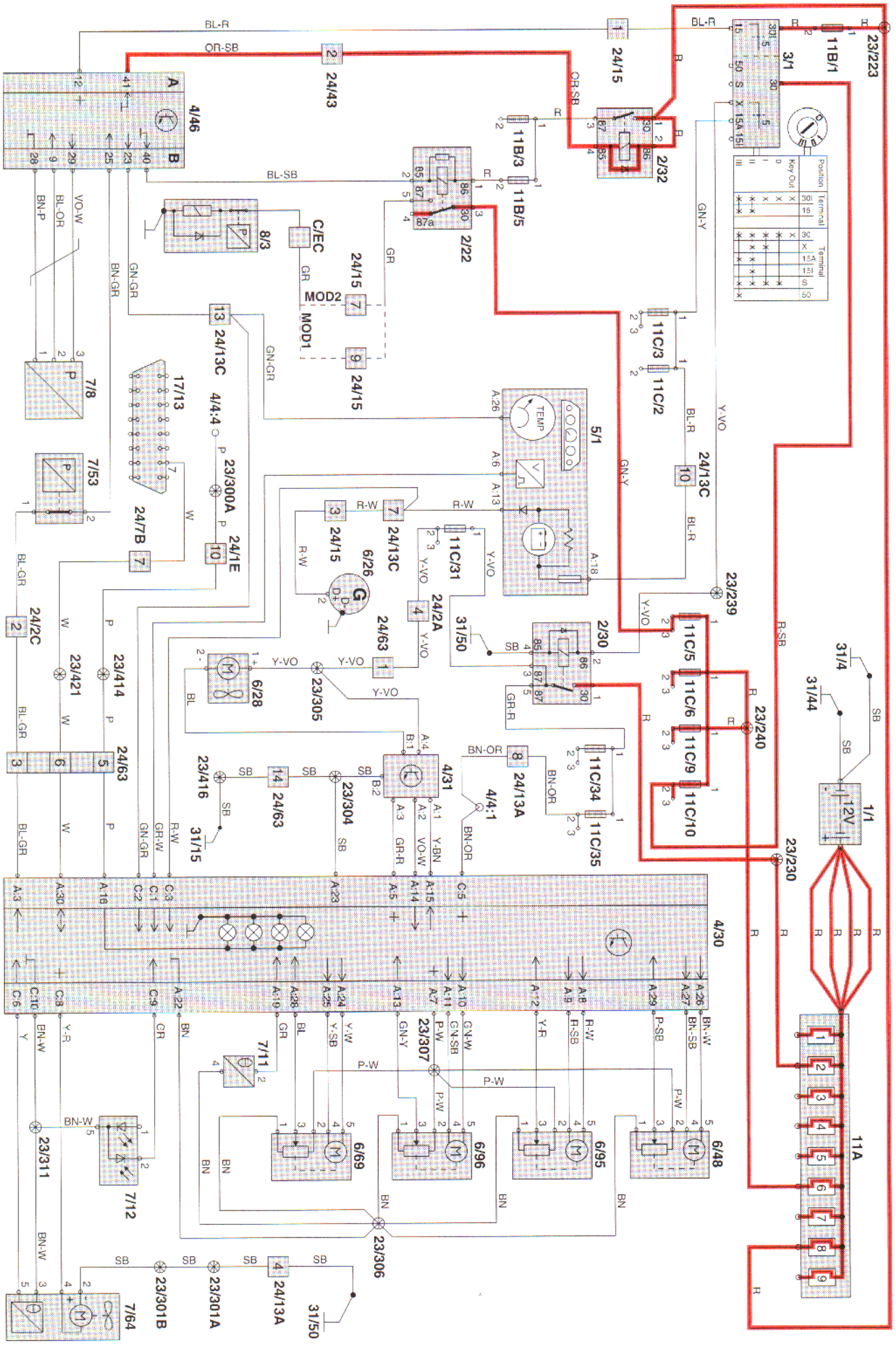
Electronic climate control ECC
Fenix 5.2, Motronic 4.3/4.4

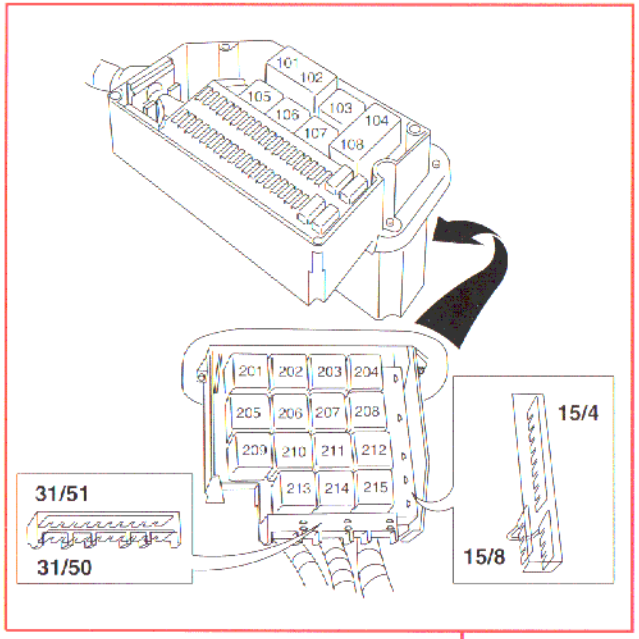


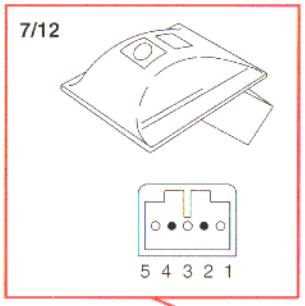
Electronic climate control ECC
Fenix 5.2, Motronic 4.3/4.4

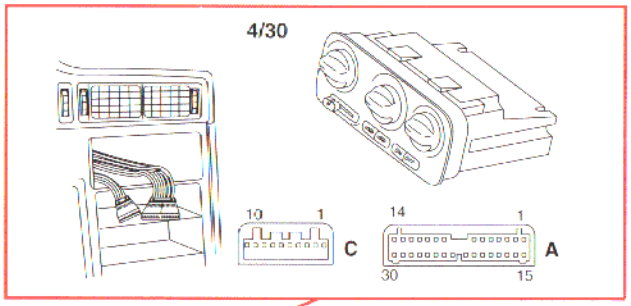


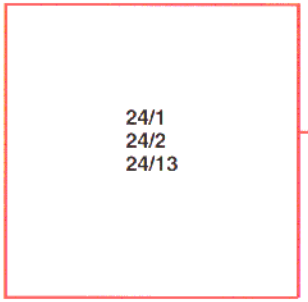
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MSA 15.7

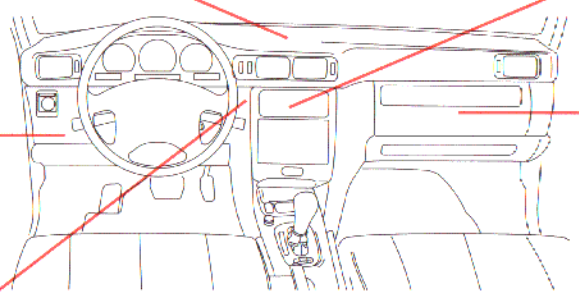


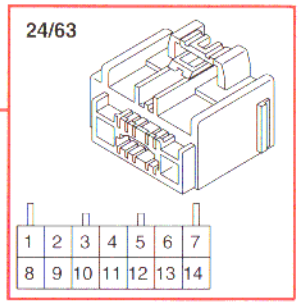

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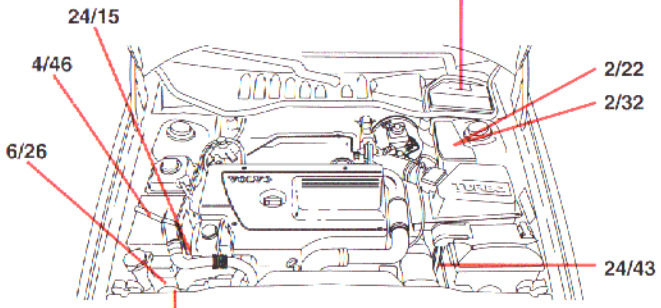

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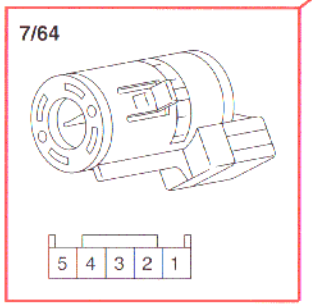

4/30
10 1
C
14 1
30 15
A

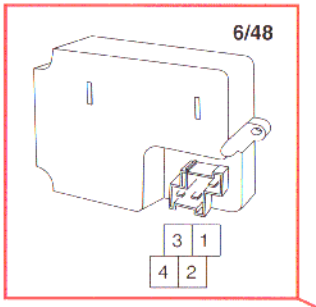

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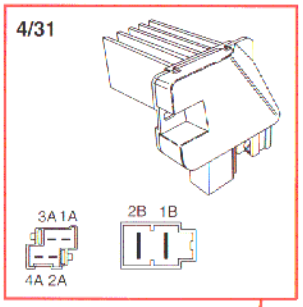


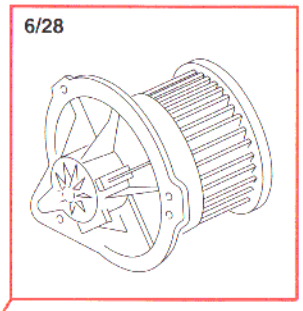

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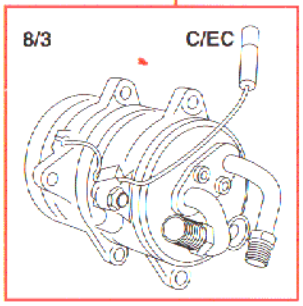

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24/43

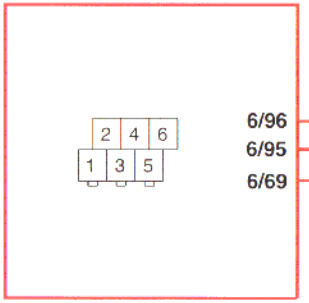

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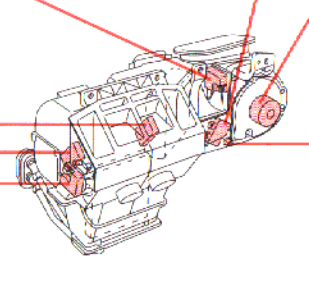

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4 2

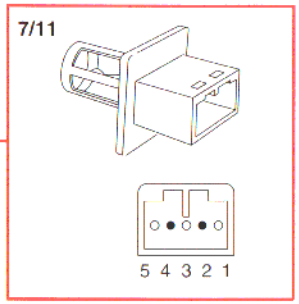

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3A 1A
4A 2A
2B 1B


6/28


8/3
C/EC

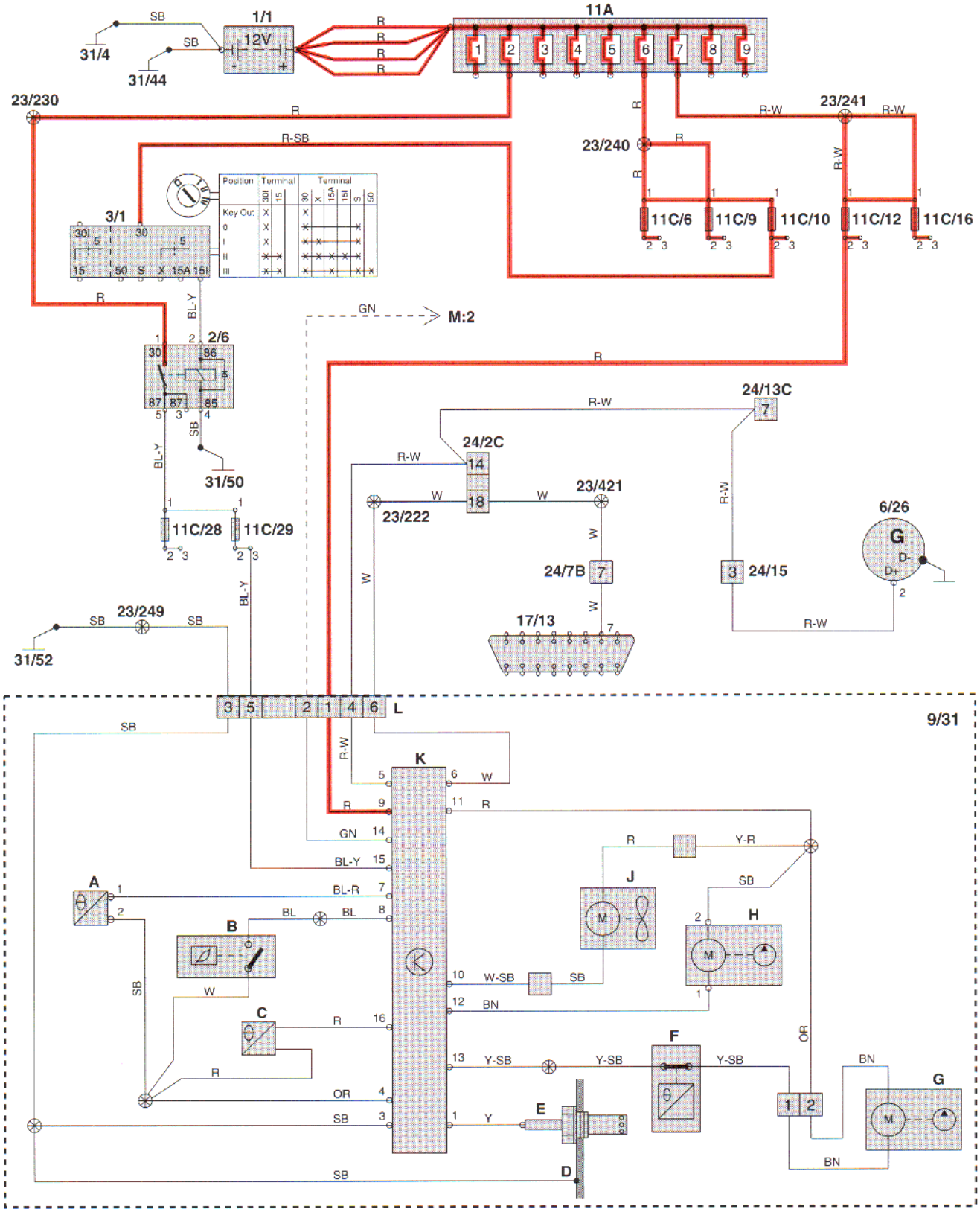

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6/69

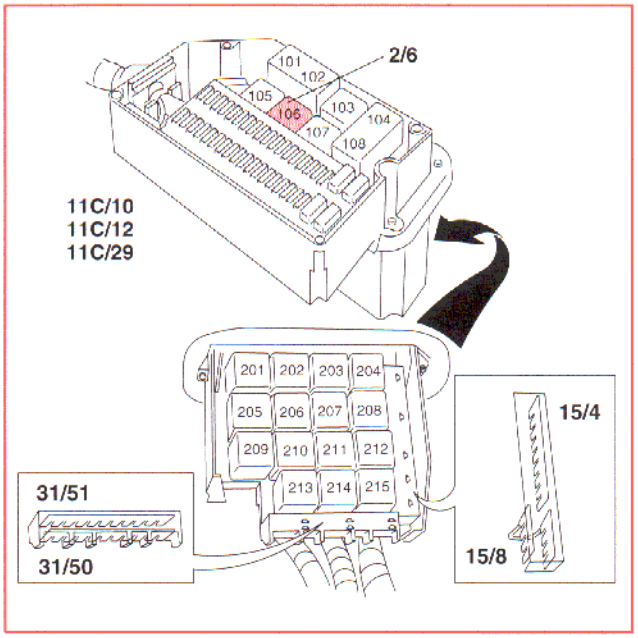


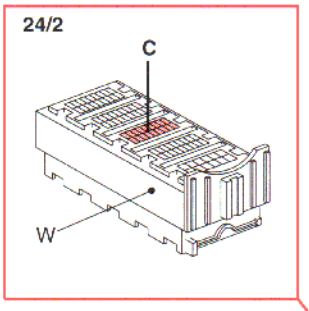

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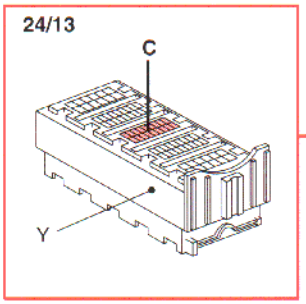
Additional heater

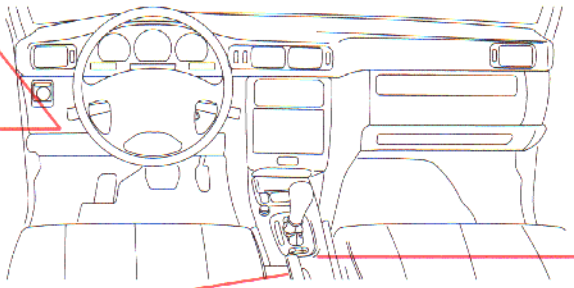
A Outside temperature sensor
B Flame sensor
C Engine coolant temperature (ECT) sensor
D Ground terminal, glow plugs,
E Glow plugs
F Overheat protection thermostat
G Fuel pump (FP)
H Coolant pump
J Heater fan
K Control module
L Connector on heater, 6-pin
M Clock

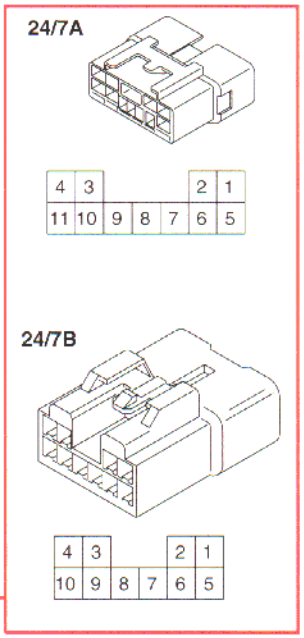


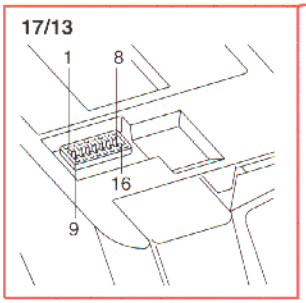

2/6
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11C/29
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31/50

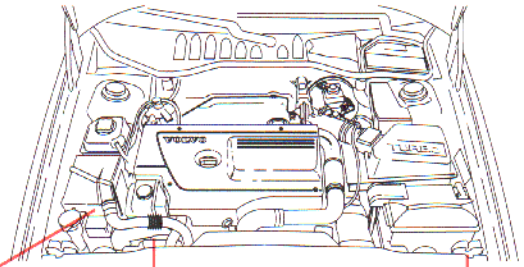

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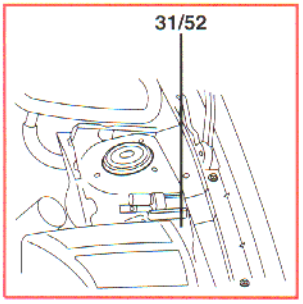

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C
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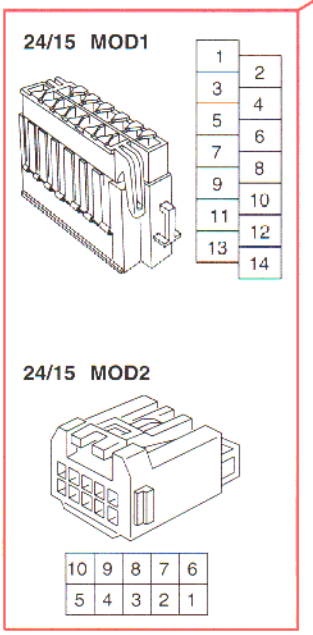


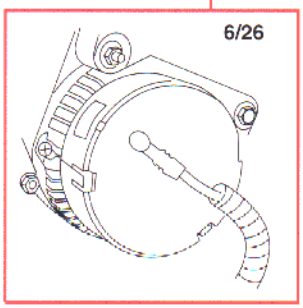

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24/7B
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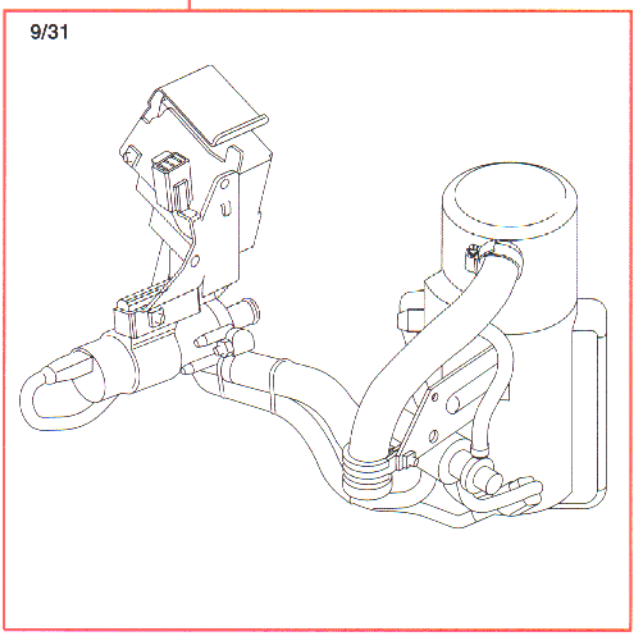

17/13
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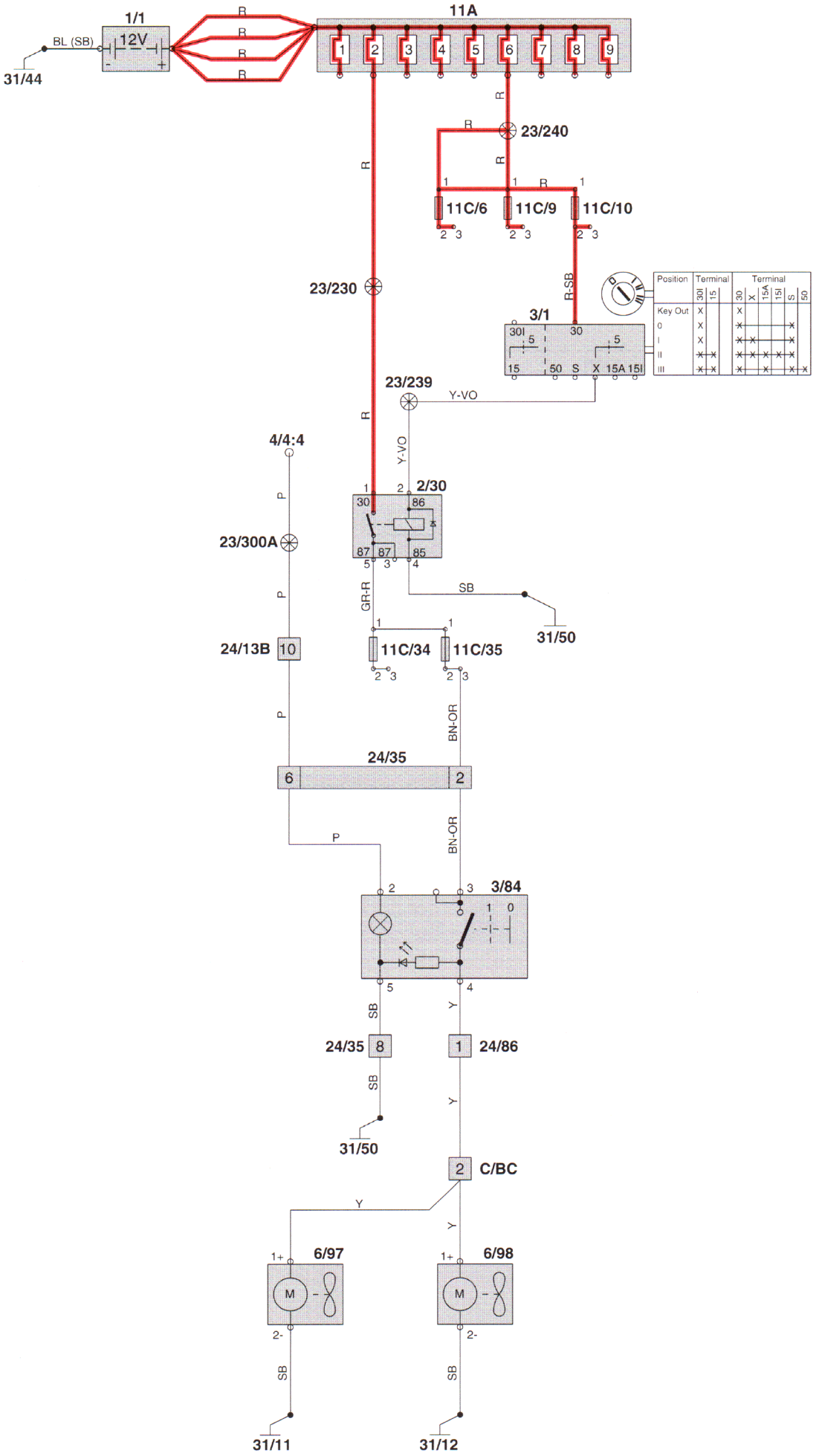

31/52


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7 8
9 10
11 12
13 14
24/15 MOD2
10 9 8 7 6
5 4 3 2 1

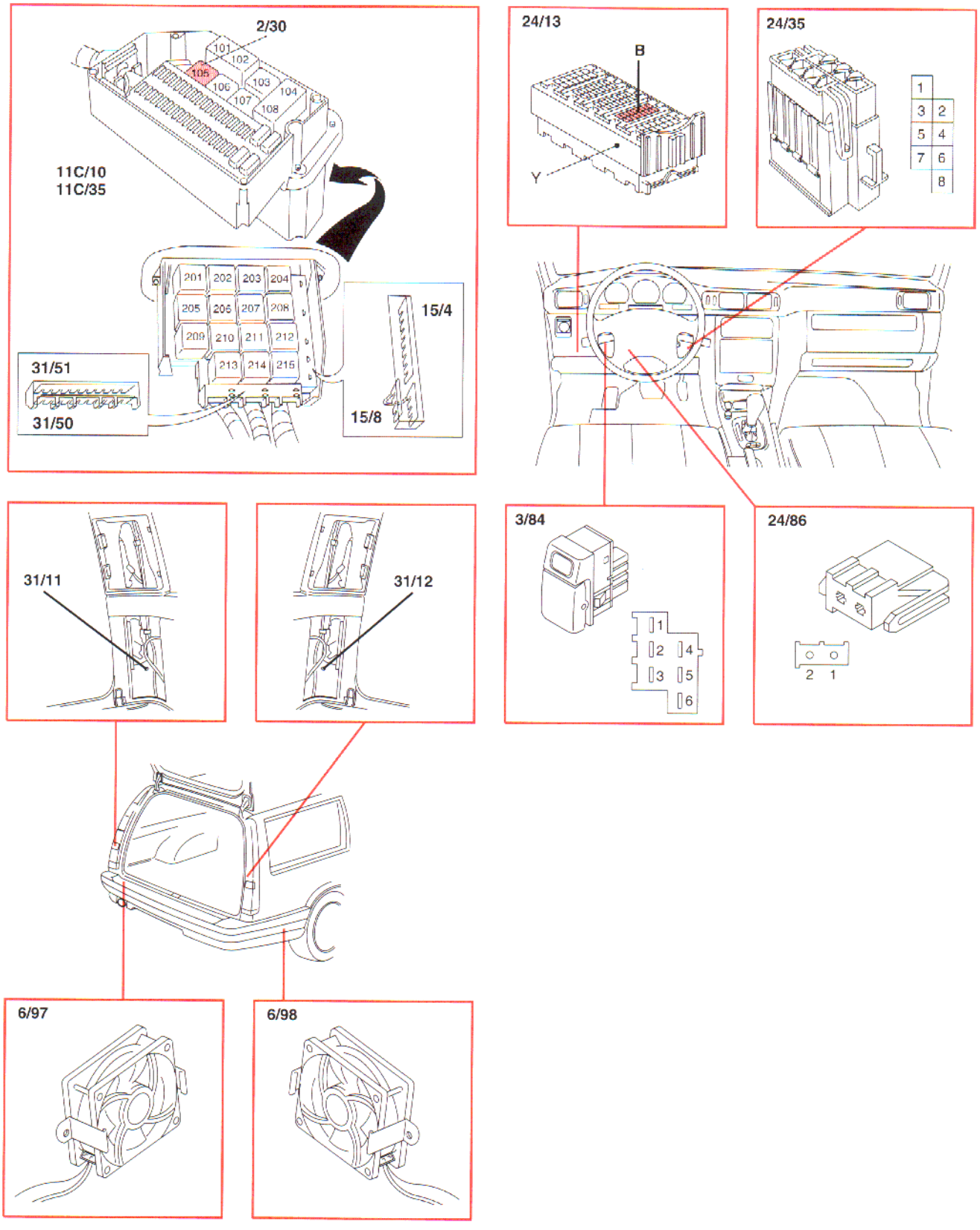

6/26


9/31

Cargo compartment fans

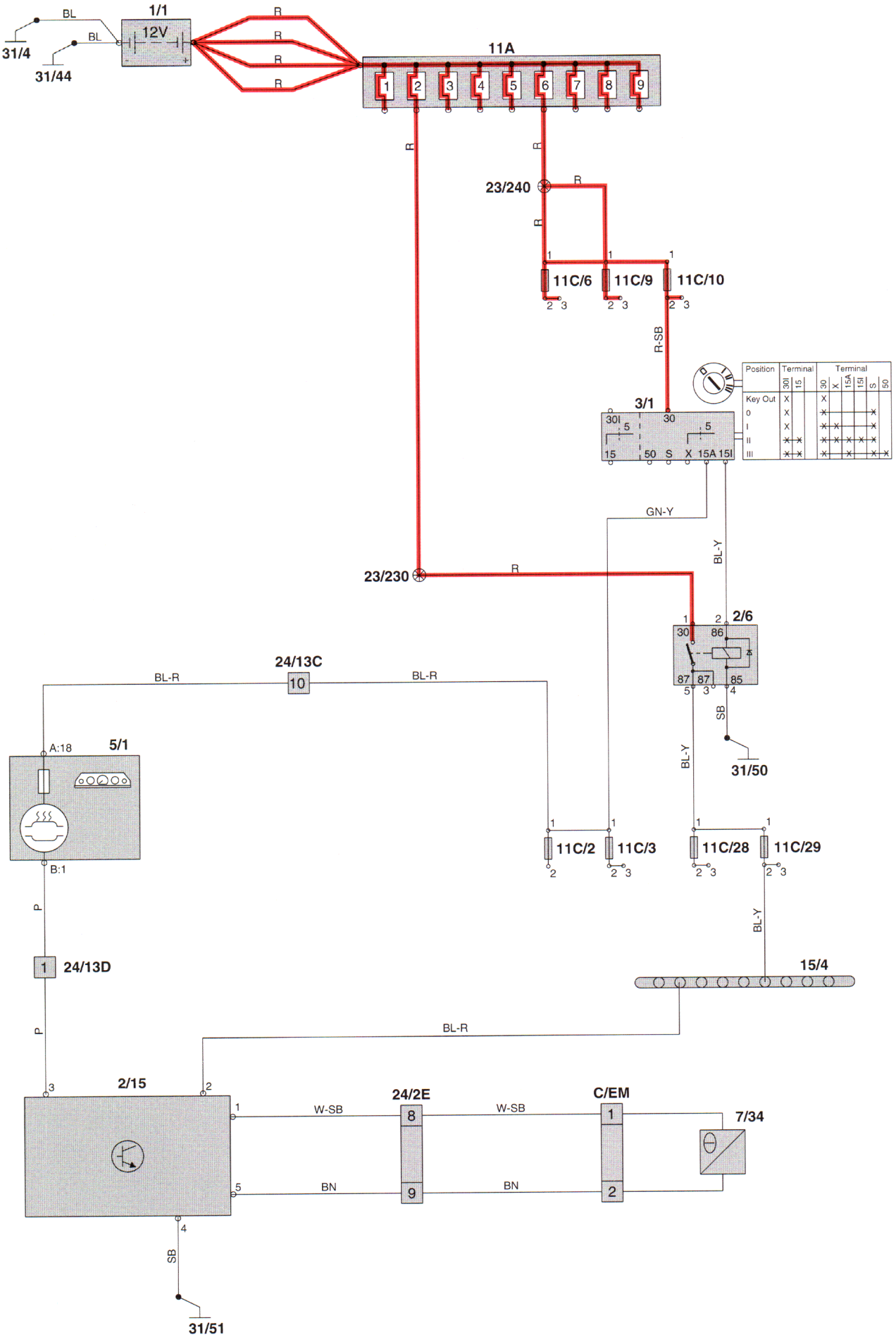


Cargo compartment fans

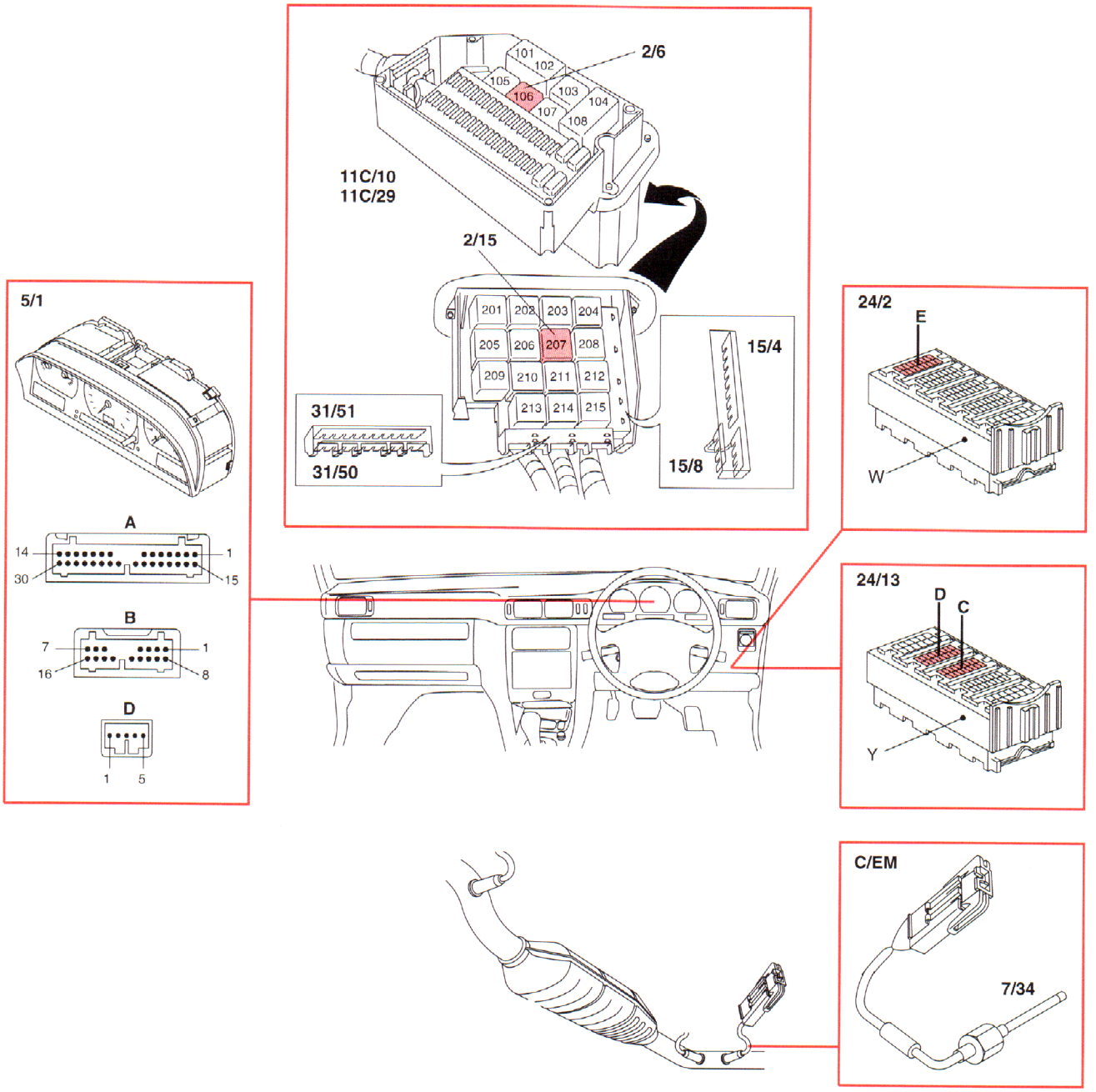


Exhaust temperature switch

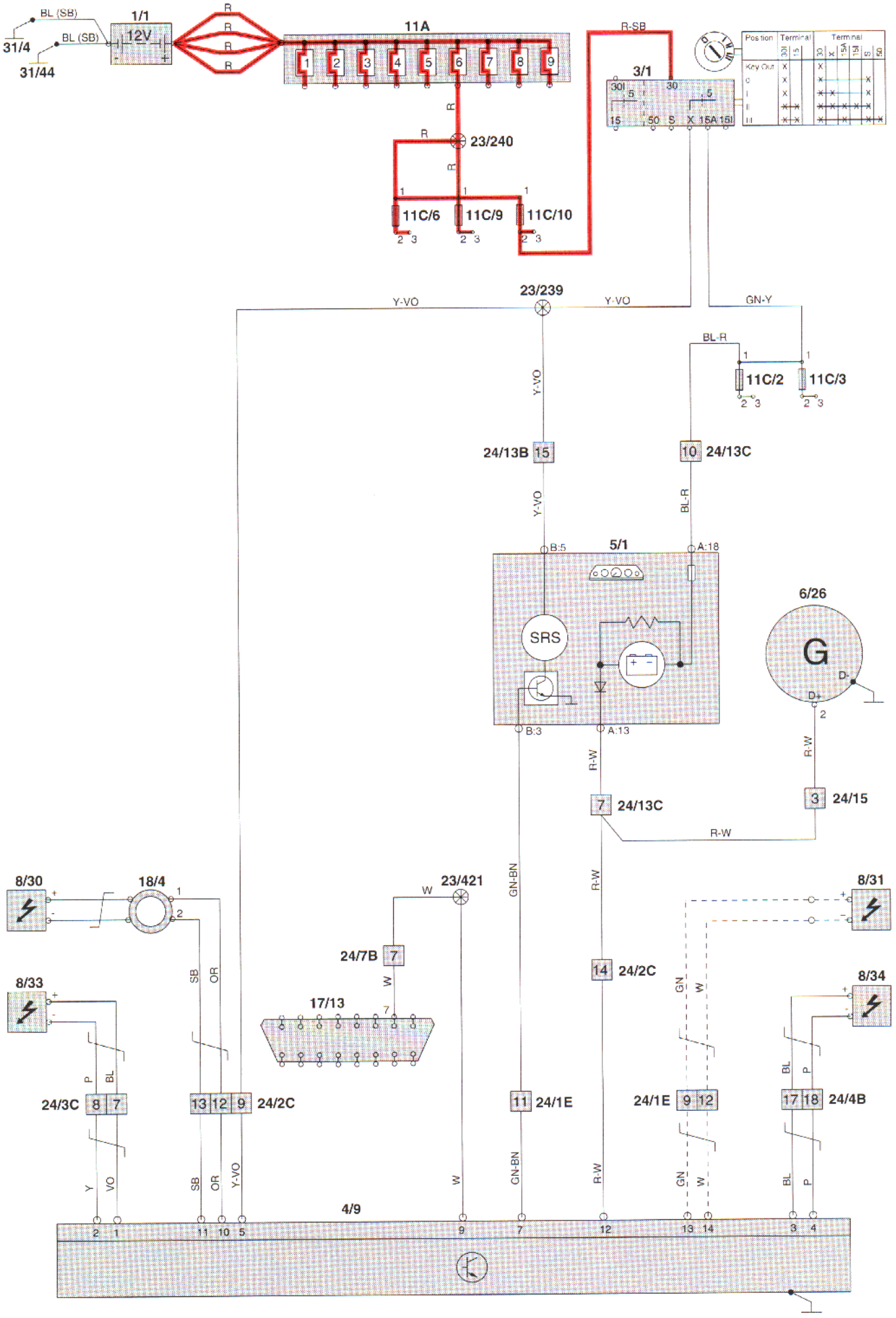
For function diagram, see Page 288.



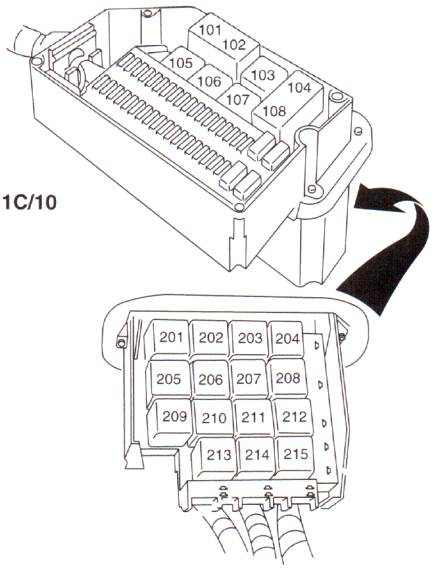
Exhaust temperature switch



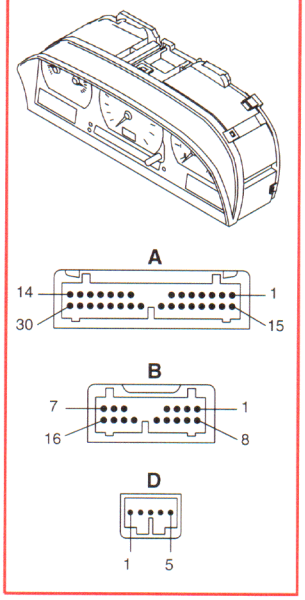
SRS Supplemental Restraint System



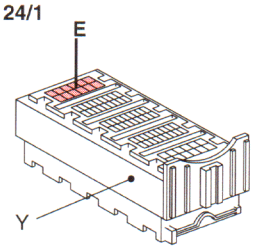
11C/10



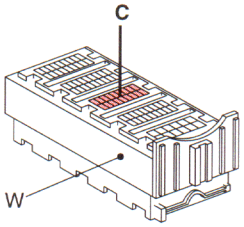
5/1



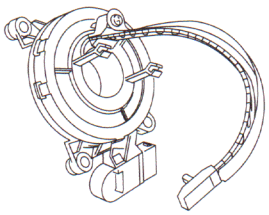
24/1



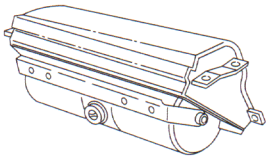
24/2



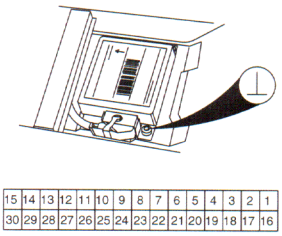
18/4



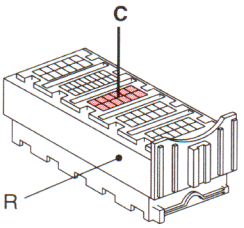
8/31

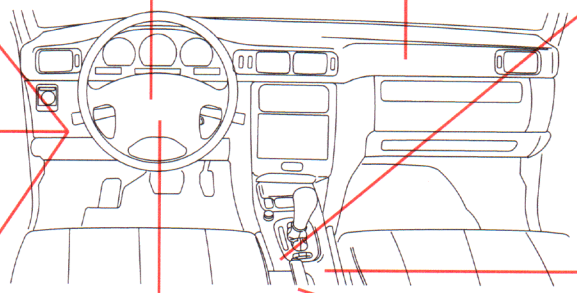


4/9

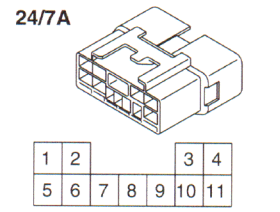


24/3

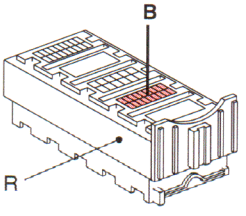




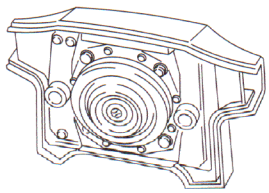
24/7A



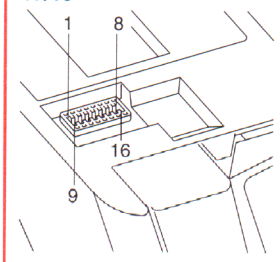
24/4



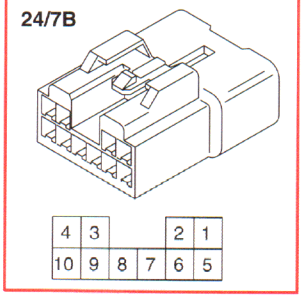
8/30



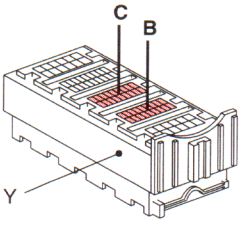
17/13



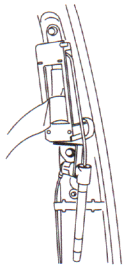
24/7B



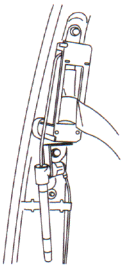
24/13



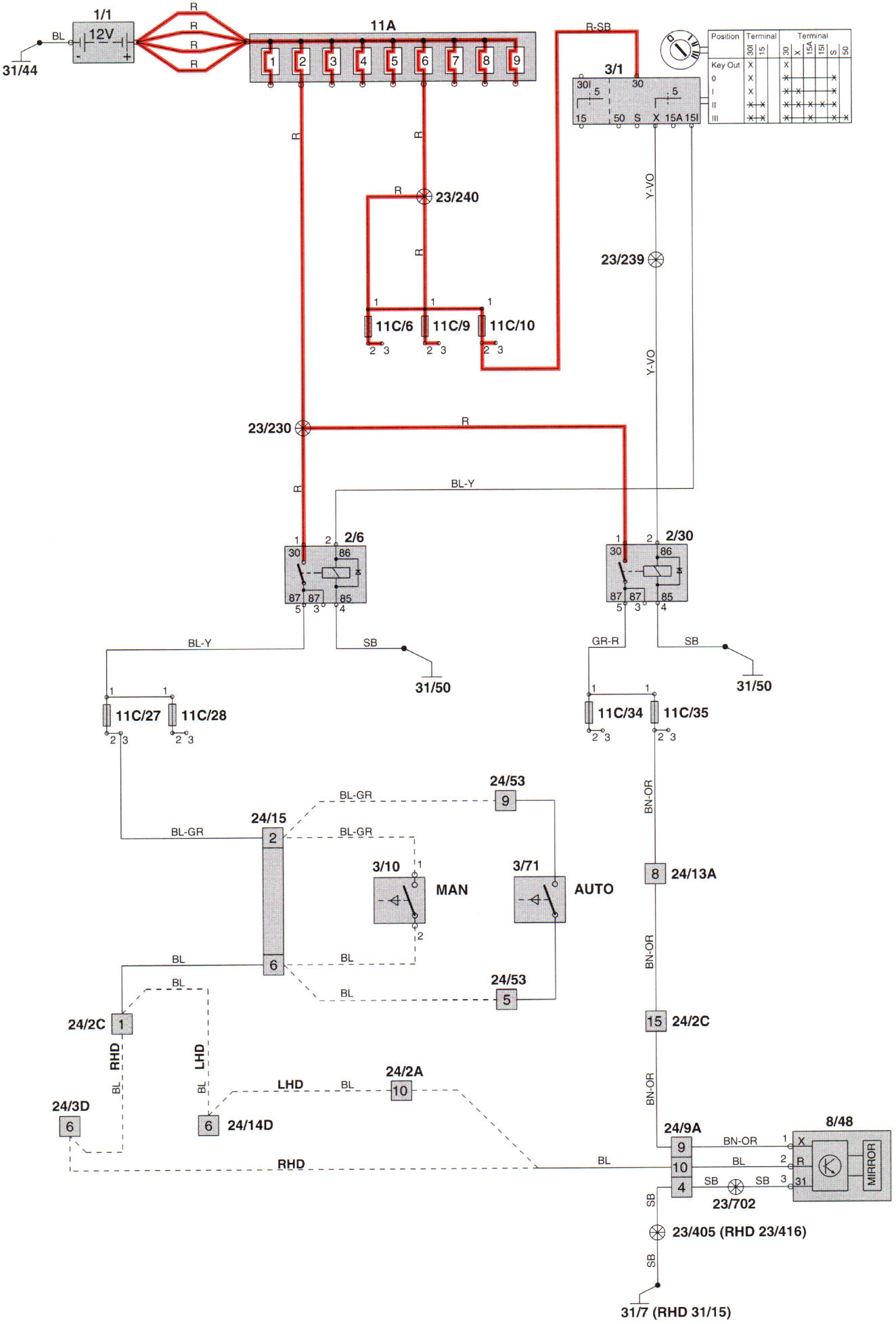
8/33



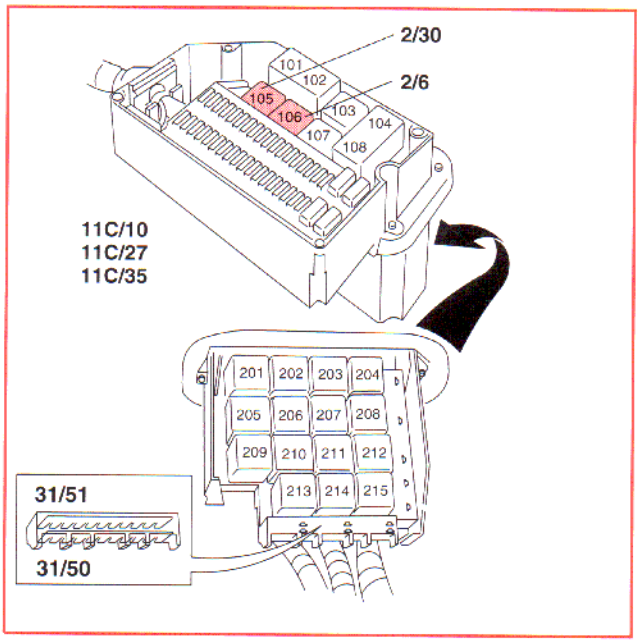
8/34

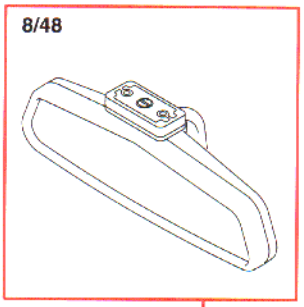


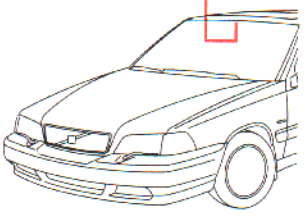
Rear view mirror with automatic dimming

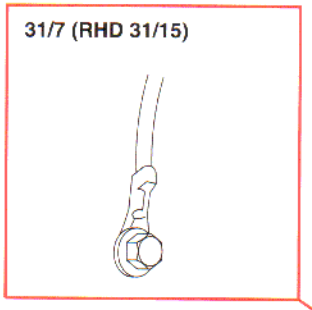


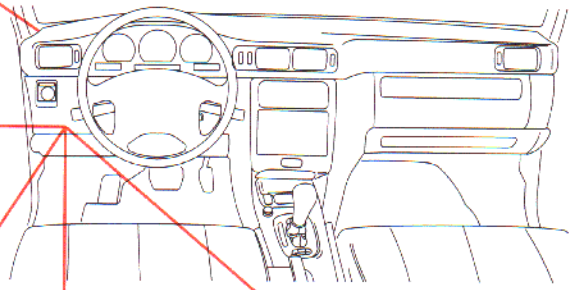
Rear view mirror with automatic dimming

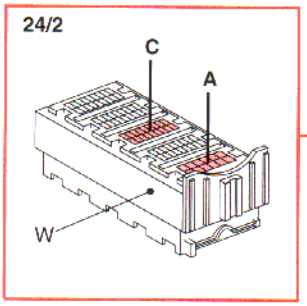


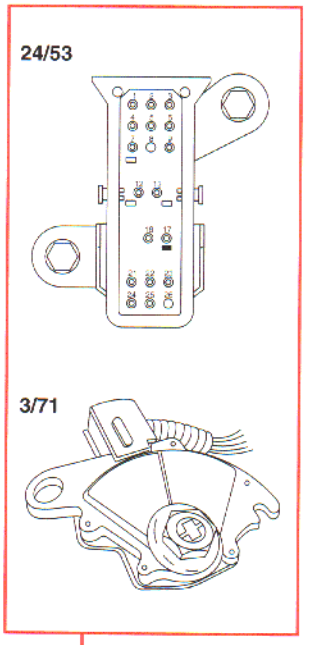


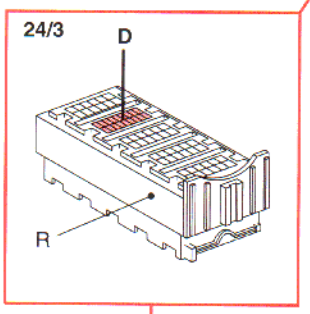


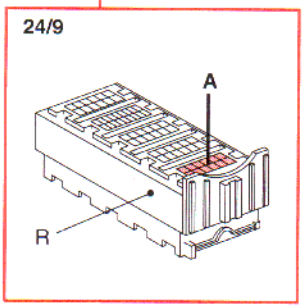


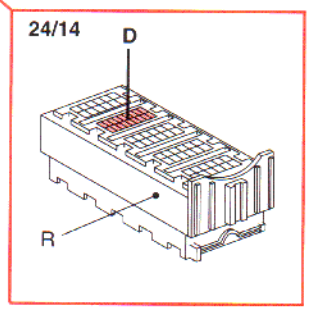


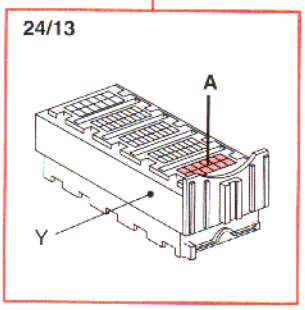


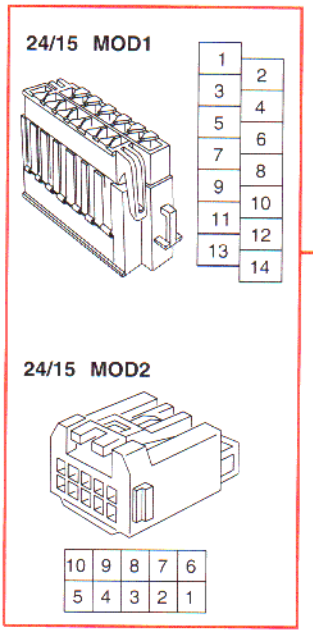


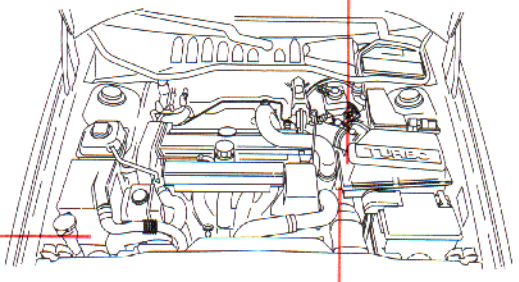


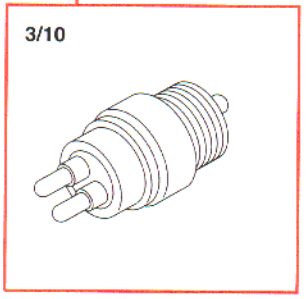




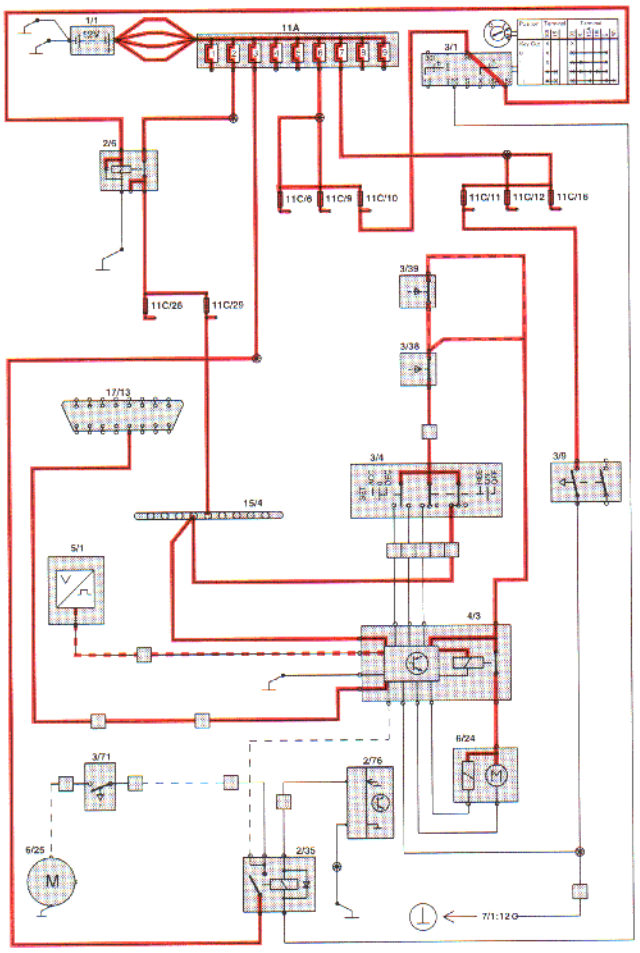








Cruise control Fenix 5.2, Motronic 4.3/4.4
Function diagram

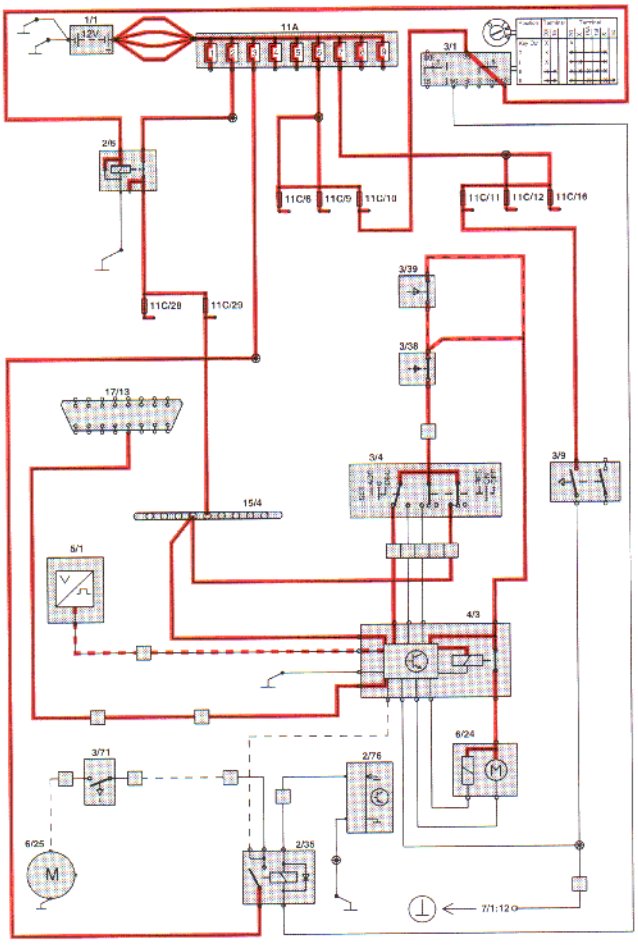


Speed setting.

Switch in the ON position.
SET button depressed for less than 0.5 seconds. Speed above 35 km/h (20 mph) and brake pedal not depressed.

Retaining speed.

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



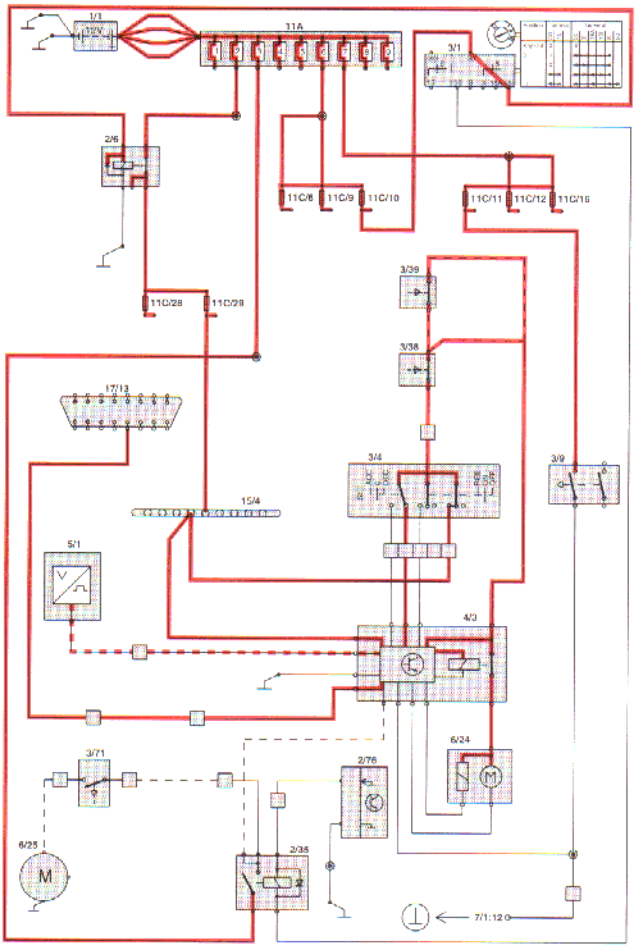
Increasing the set speed.

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 button 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).

Cruise control (Fenix 4.4 Motronic 5.2/4.3)
Function diagram



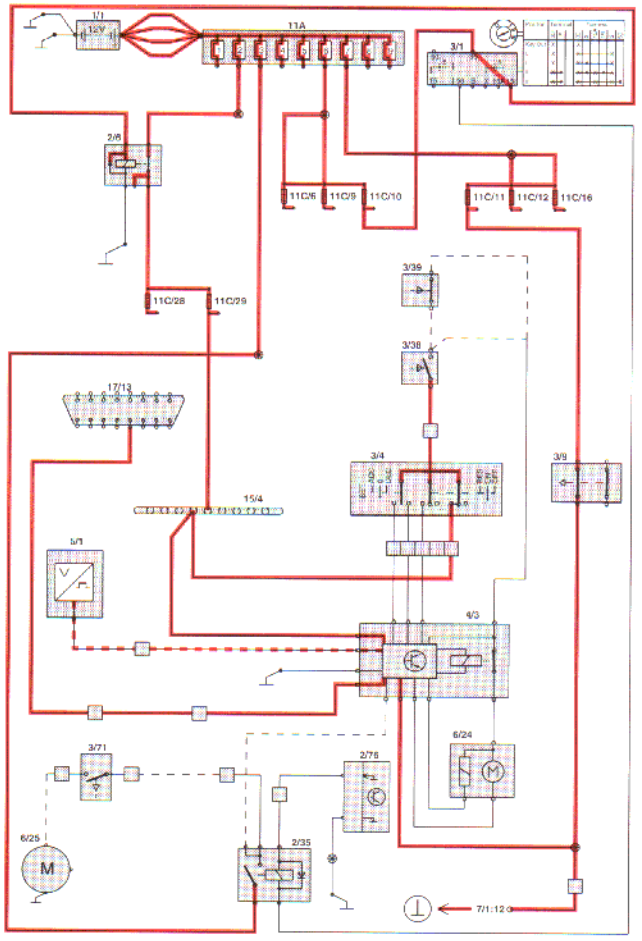
Reducing speed.

Switch in the ON position.

Cruise control controls speed reduction.

If the SET button is held depressed for more than 0.5 seconds the speed will sink slowly until the SET button is released.

If the SET button is held depressed for more than 0.5 seconds the speed reduces to less than 1.6 km/h (1 mph).

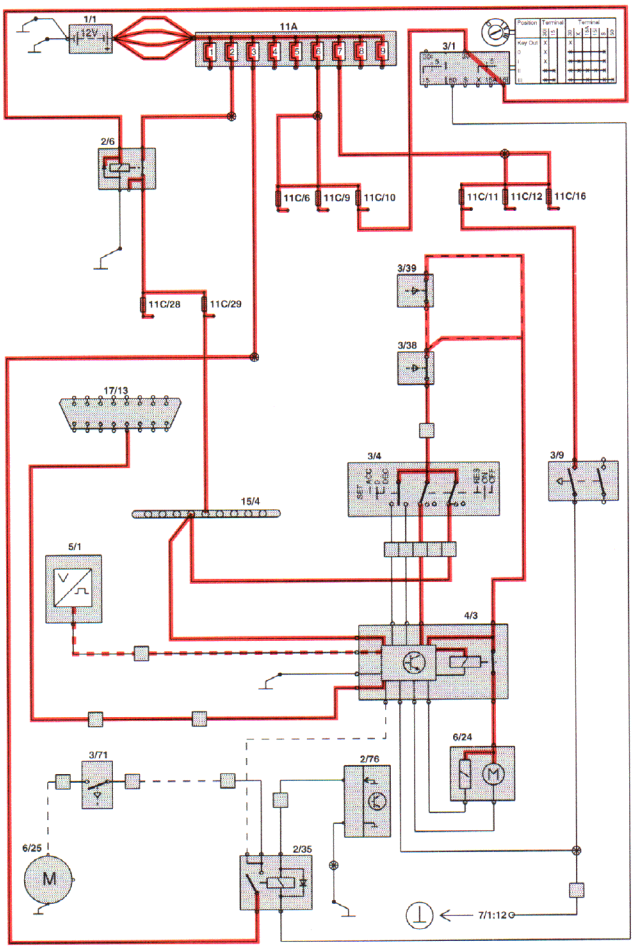


Braking.

Switch in the ON position.
Brake pedal pressed down.

The brake valve breaks the voltage to terminal T:9 and the stop (brake) lamp switch closes and passes battery voltage to terminal S:6. This disconnects the cruise control.

Cruise control (Fenix 5.2 Motronic 4.3/4.4)
Function diagram

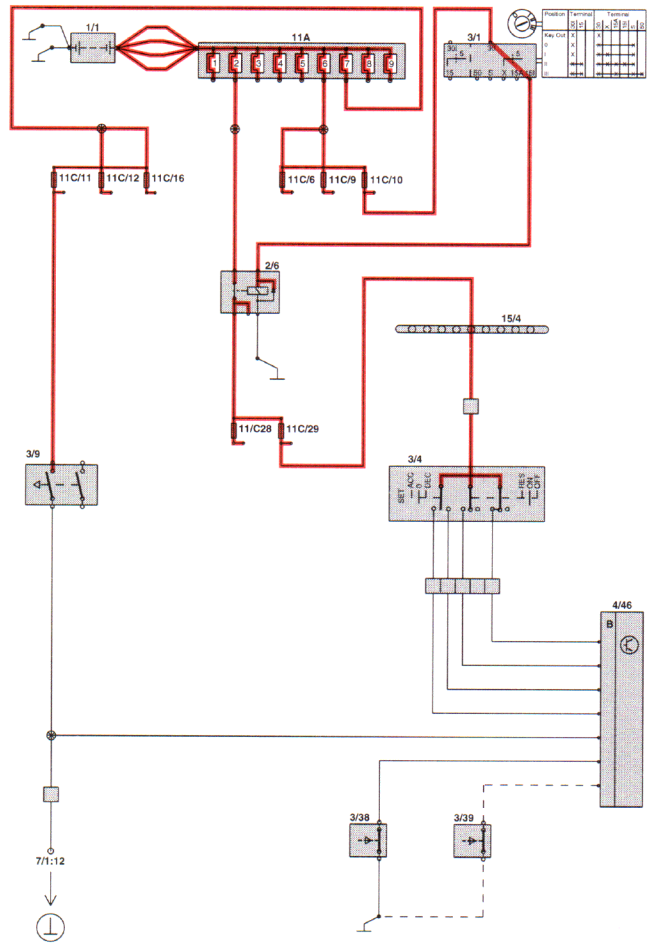


Resuming the set speed.

Switch in RESUME position.

The car will resume the speed previously set.

Cruise control (MSA 15.7)
Function diagram

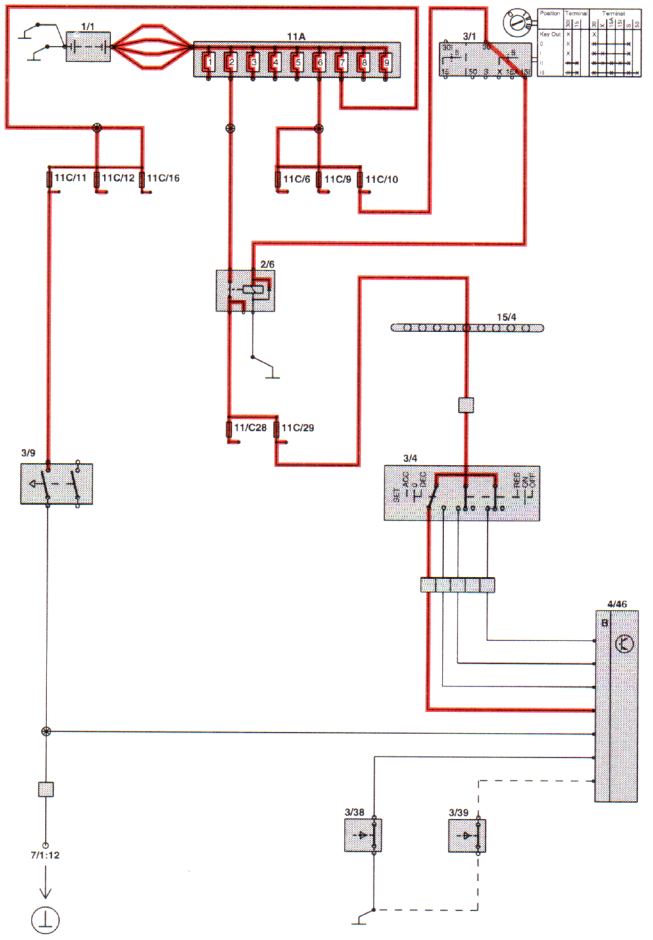


Speed setting.

Switch in the ON position.
SET-button pressed in and then released.
Speed above 35 km/h (20 mph) and brake pedal not depressed.

Retaining speed.

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



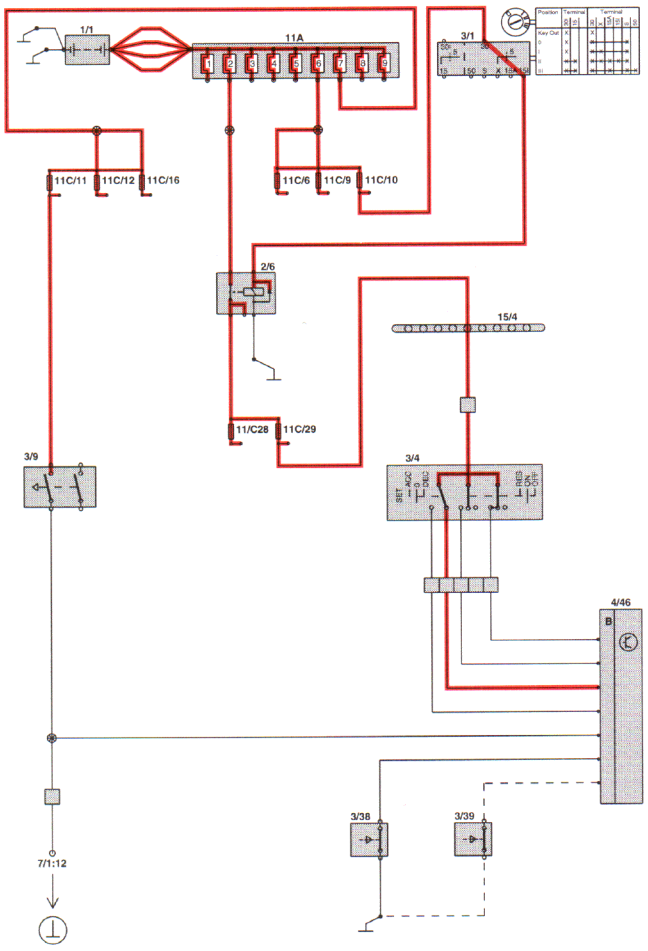
Increasing the set speed.

Switch in the ON position.

If the SET button is depressed for more than 0.5 seconds the speed will slowly increase until the SET button 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).

Cruise control (MSA 15.7)
Function diagram

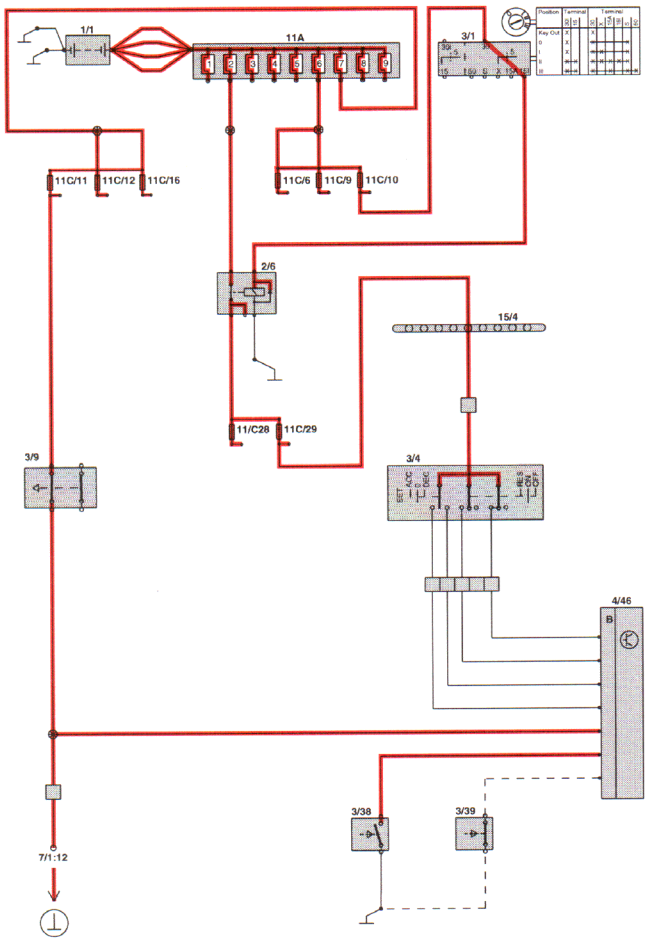


Reducing speed.

Switch in the ON position.

If the SET button is held depressed for more than 0.5 seconds the speed will sink slowly until the SET button is released.

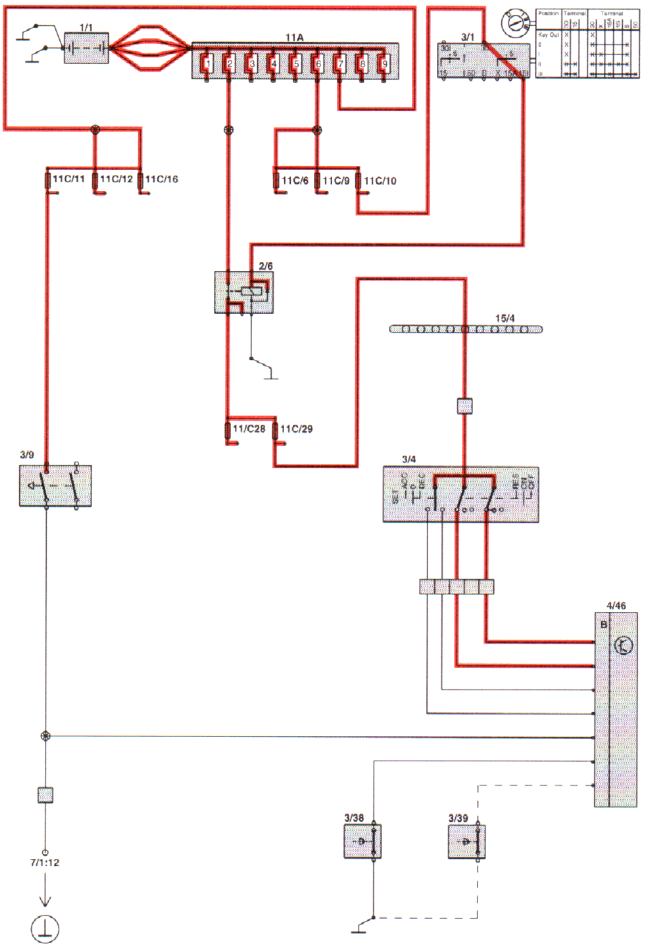
If the SET button is held depressed for more than 0.5 seconds the speed reduces to less than 1.6 km/h (1 mph).



Braking.

Switch in the ON position.
Brake pedal pressed down.

The brake pedal breaks the voltage and stop (brake) lamp switch closes passing voltage to terminal 26. This disconnects the cruise control.

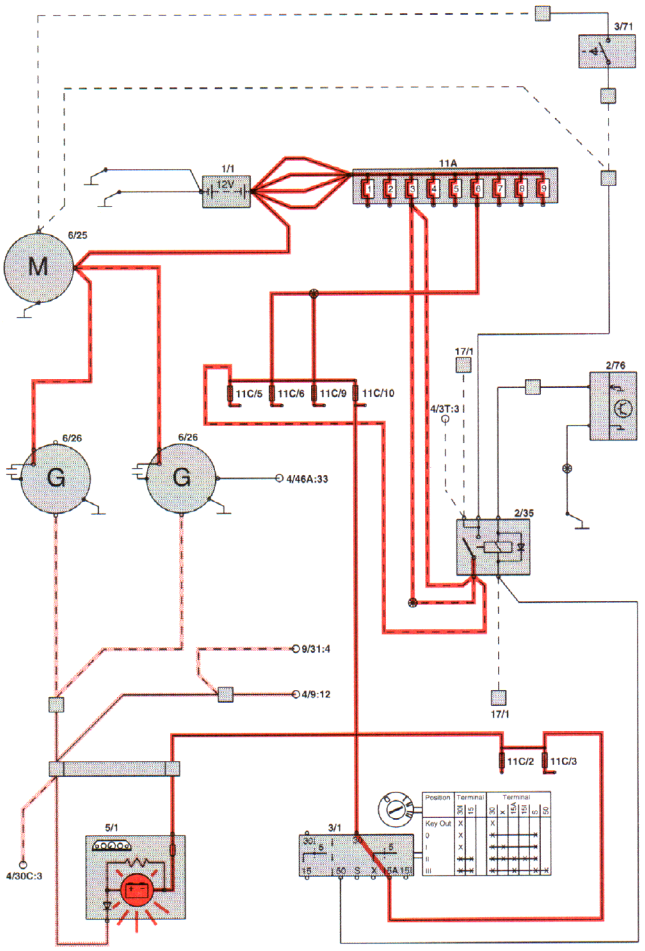


Resuming the set speed.

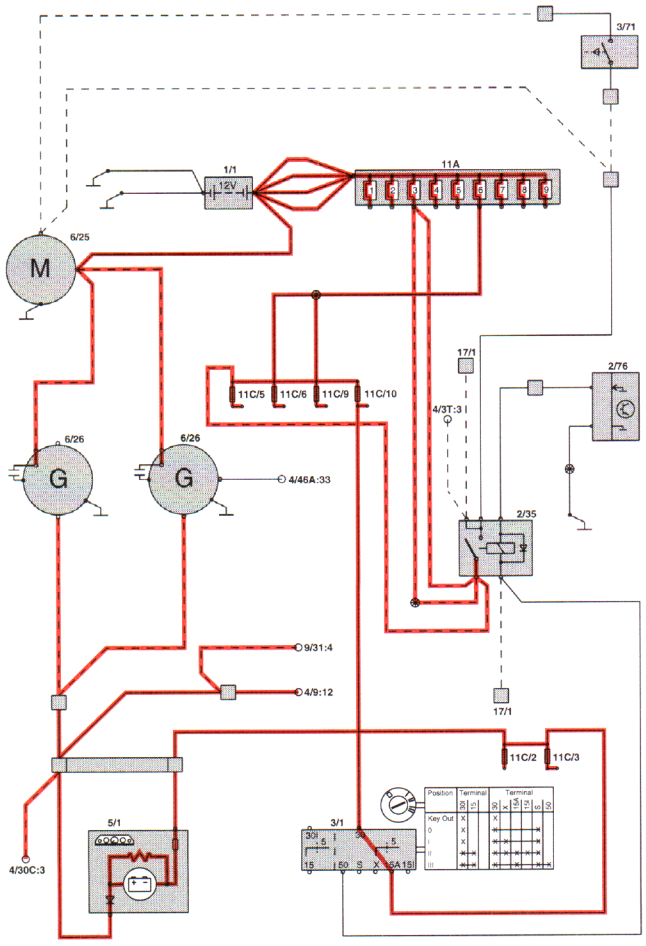
Switch in RESUME position.

The car will resume the speed previously set.

Power supply
Function diagram

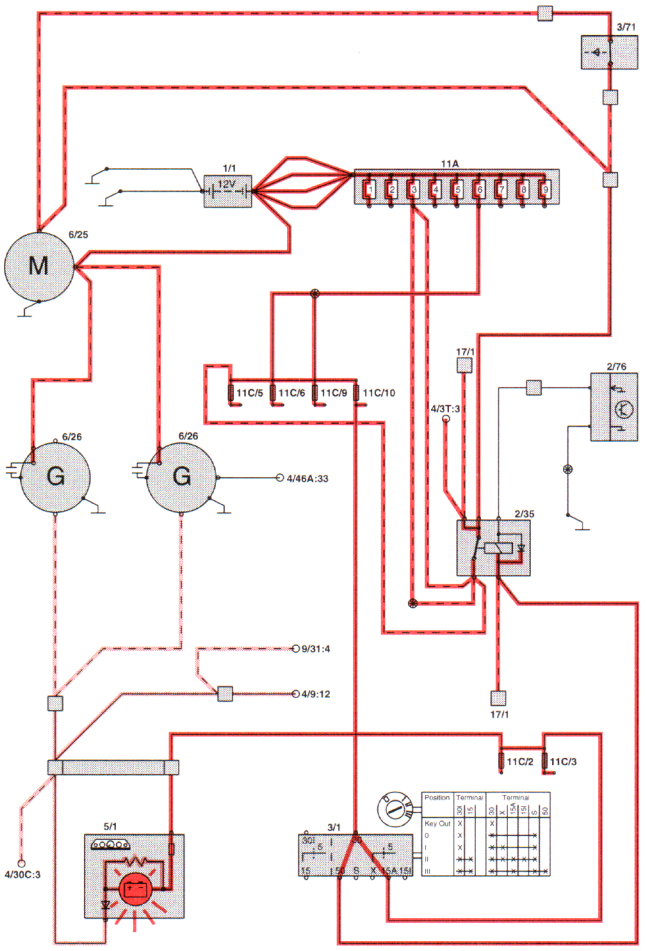


Ignition on.
Motor not running

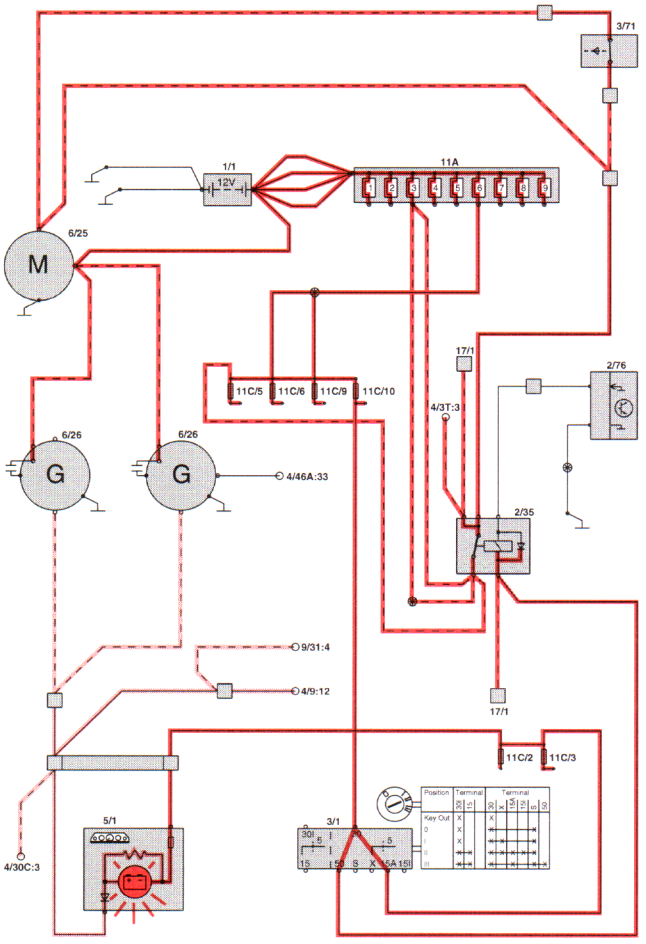


Engine running.
Generator (GEN) charging.

Starter system
Function diagram



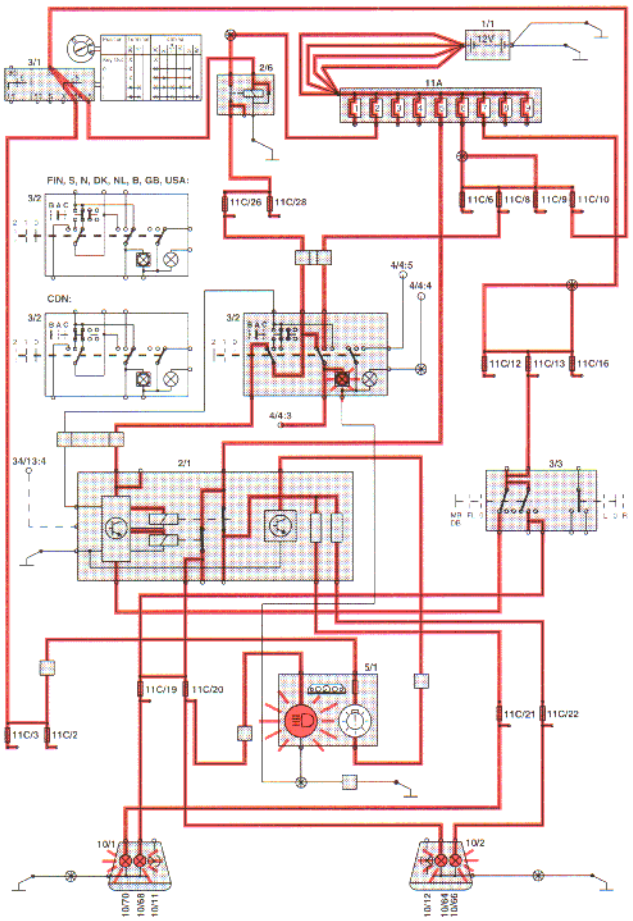
The solenoid pushes the starter cog to engage the flywheel rim teeth.



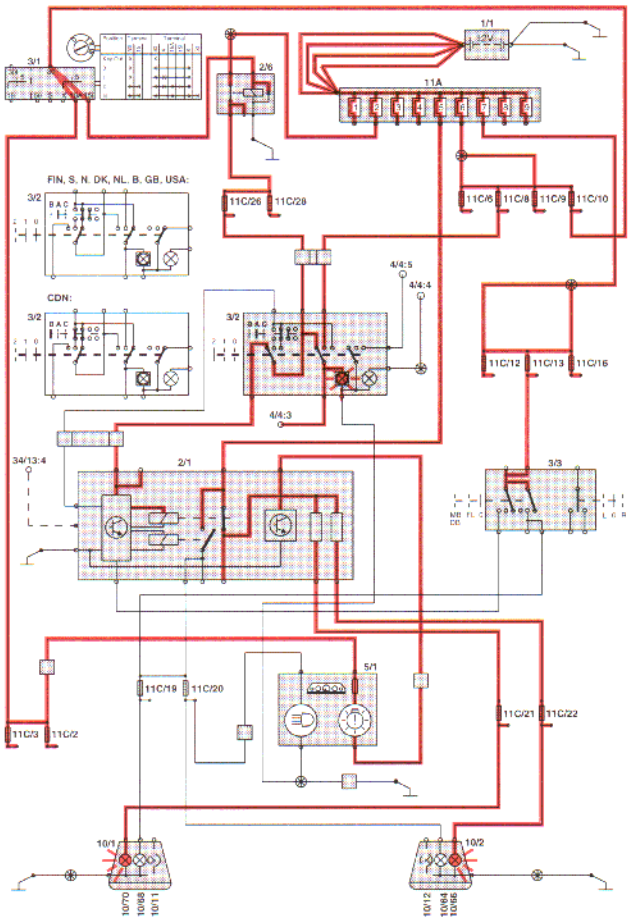
The starter cog is engaged the switches are closed and the starter motor begins to operate.

High and low beams
Function diagram

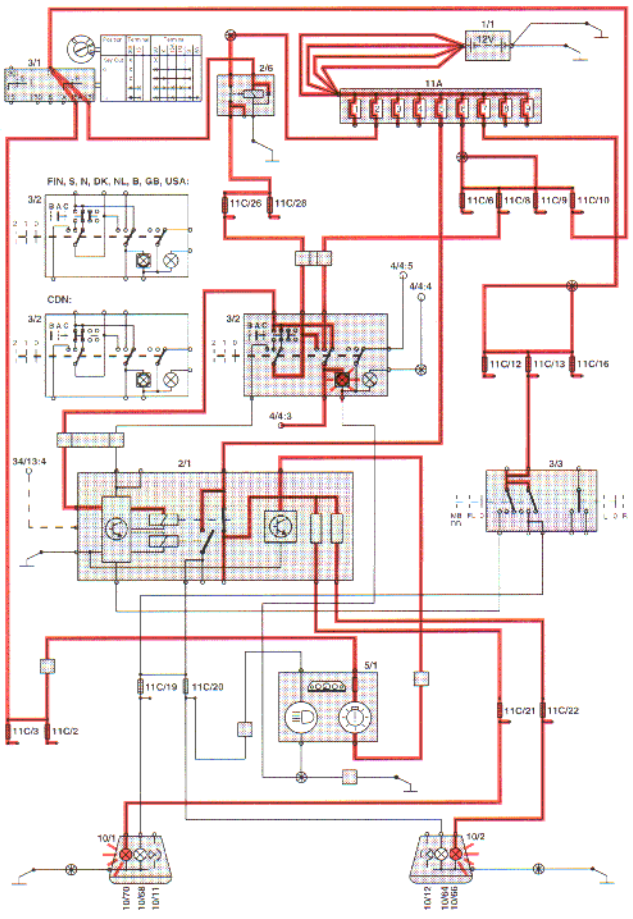
High beam



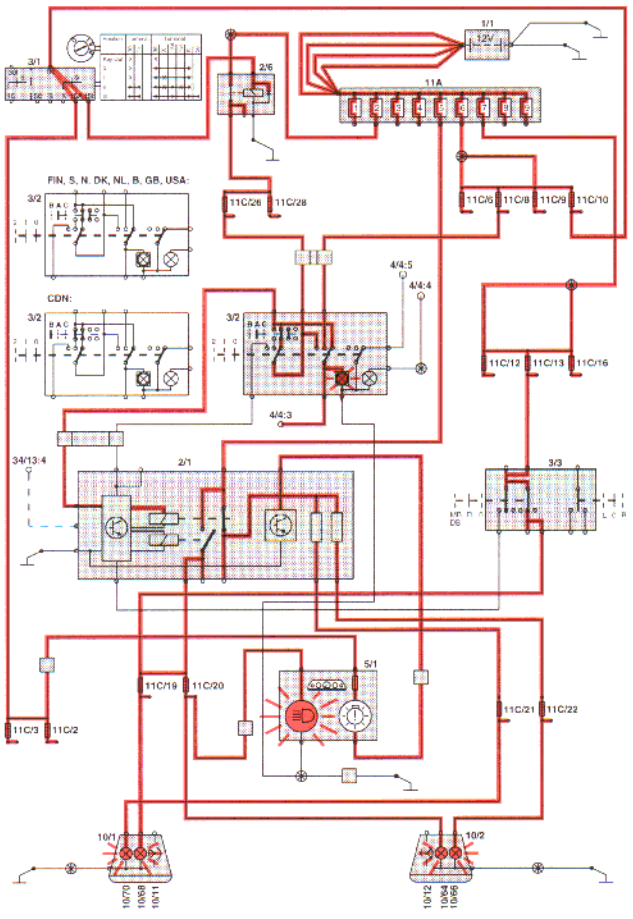
Low beam



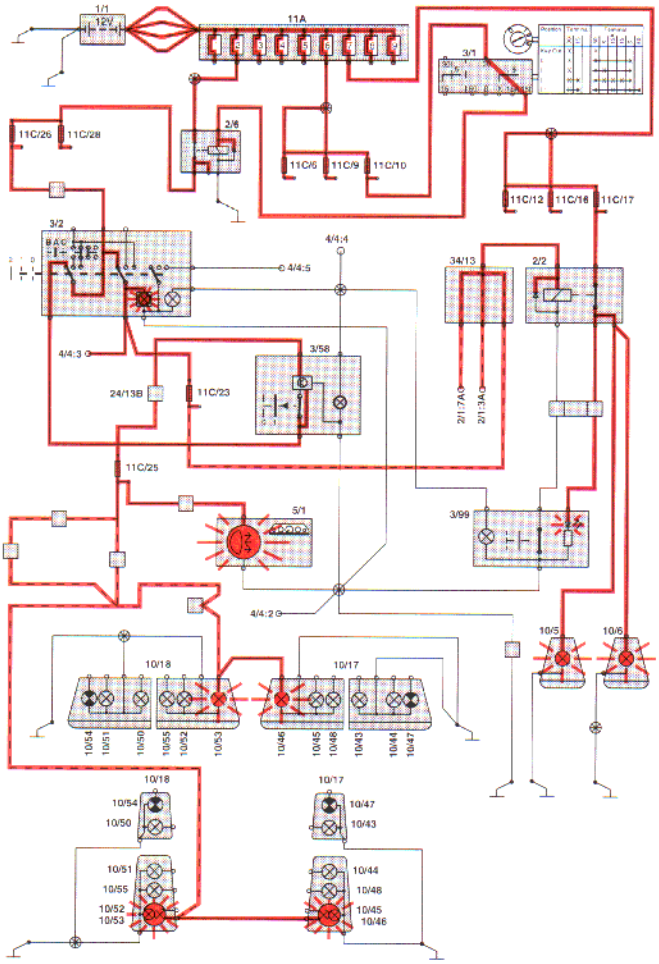
Automatic low beam



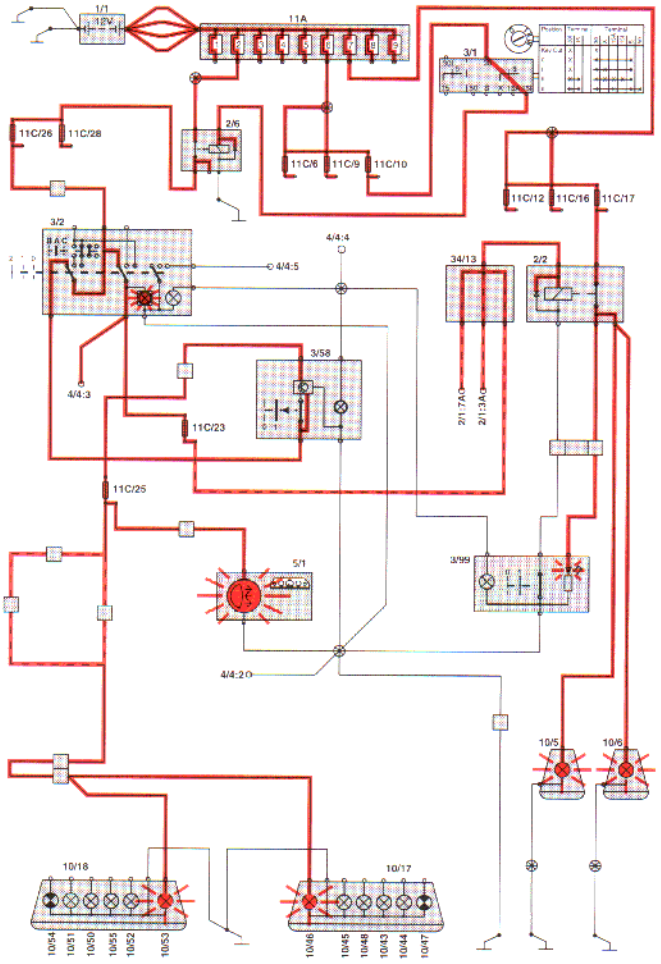
High beam flasher



Fog lamps
Function diagram



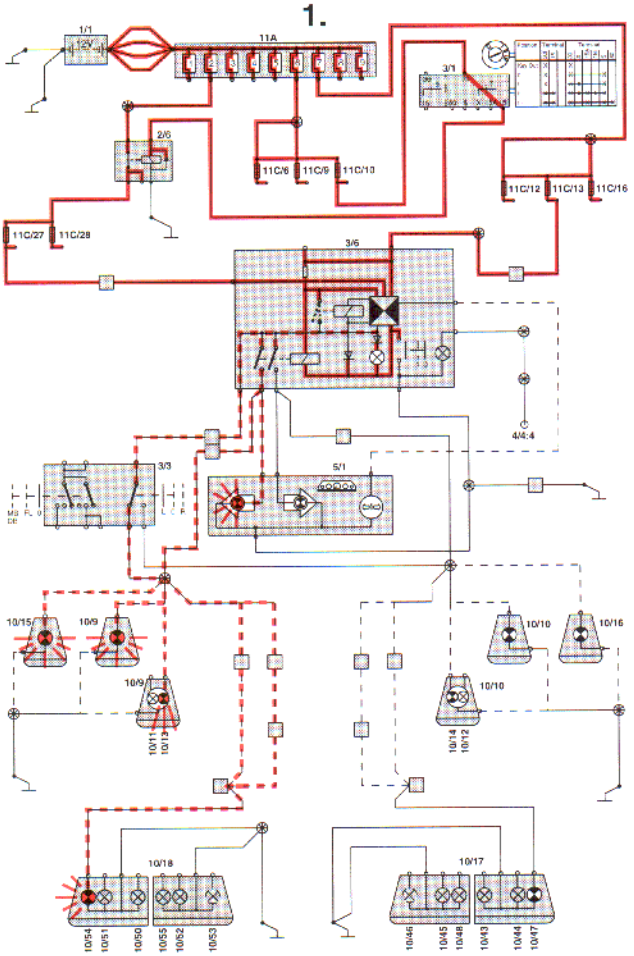
S70/V70



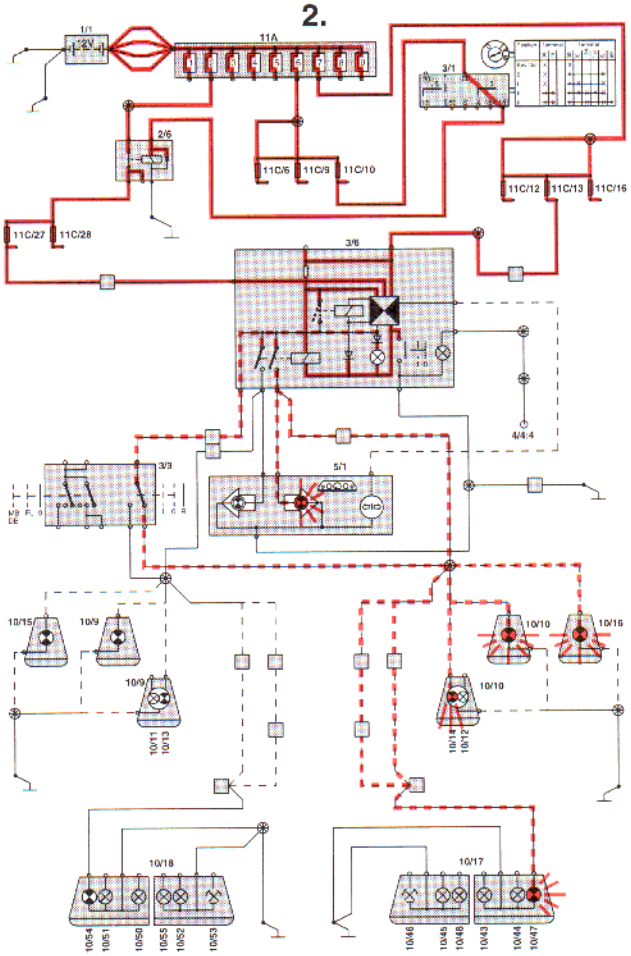
C70

Turn signal lamp and hazard warning signal flasher
Function diagram

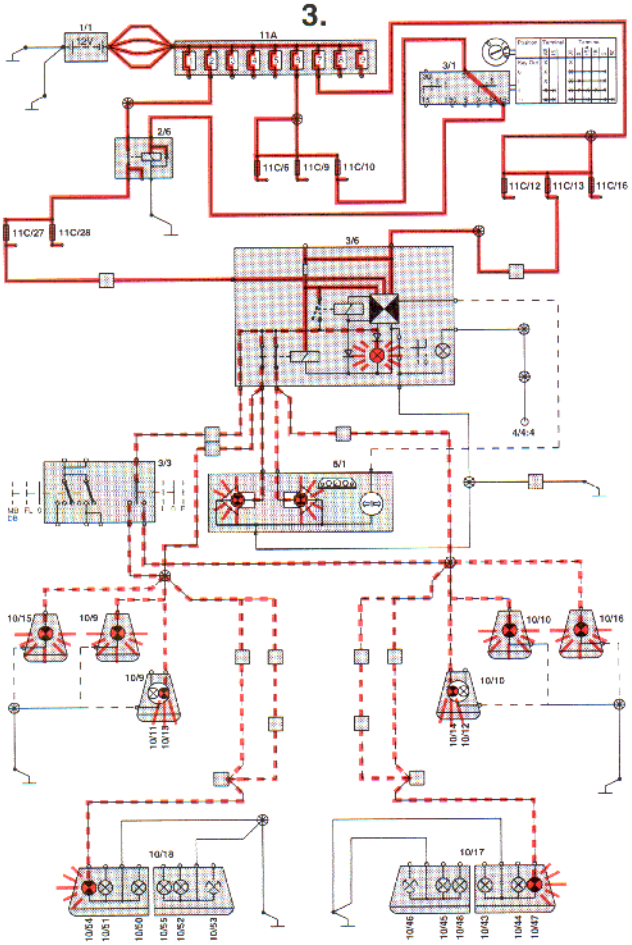
1.



2.



3.

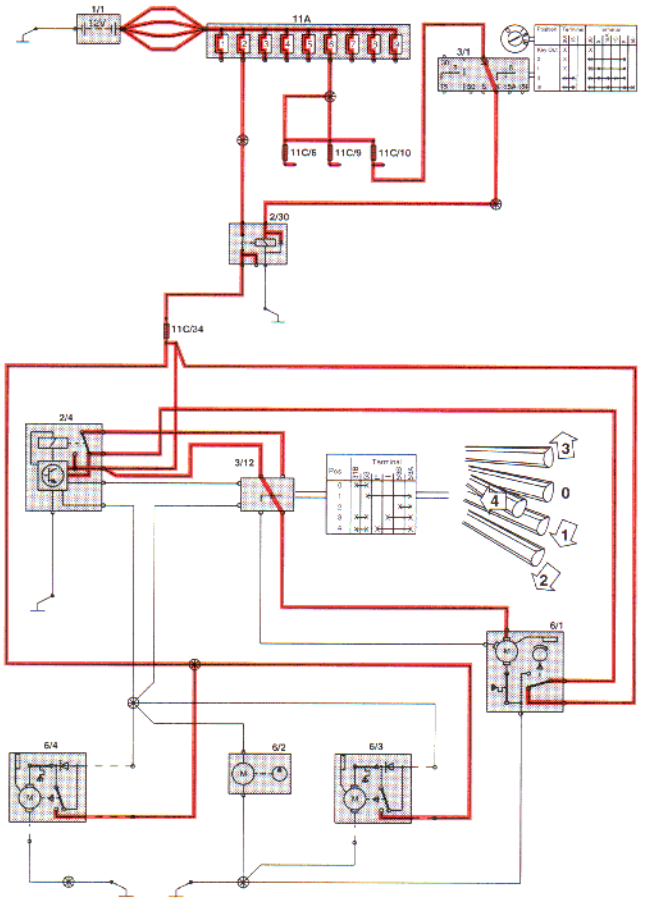


Ignition on.

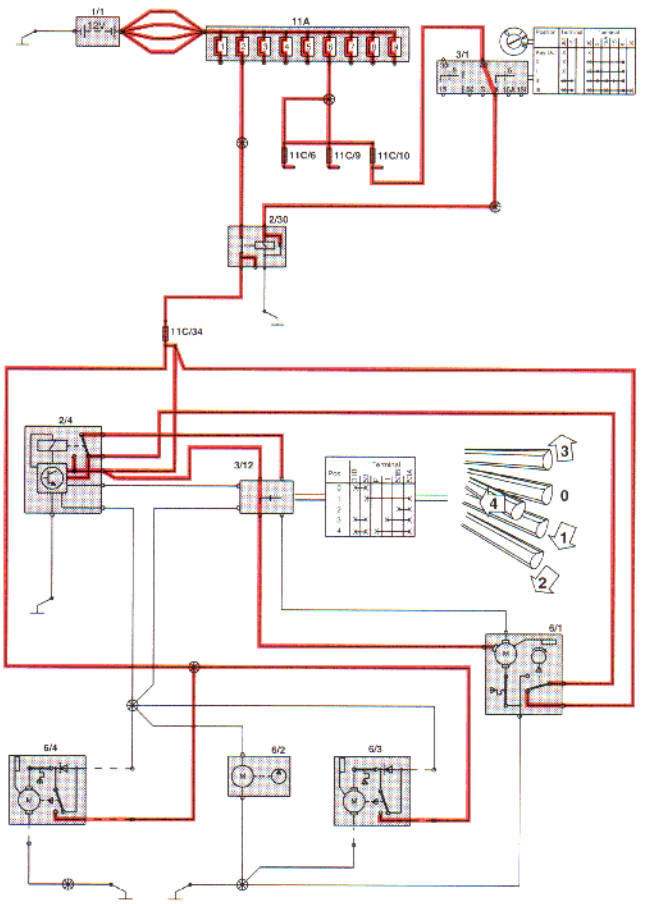
1. Left turn signal connected
2. Right turn signal connected
3. Hazard lights connected

Windshield and headlight wash/wipe
Function diagram

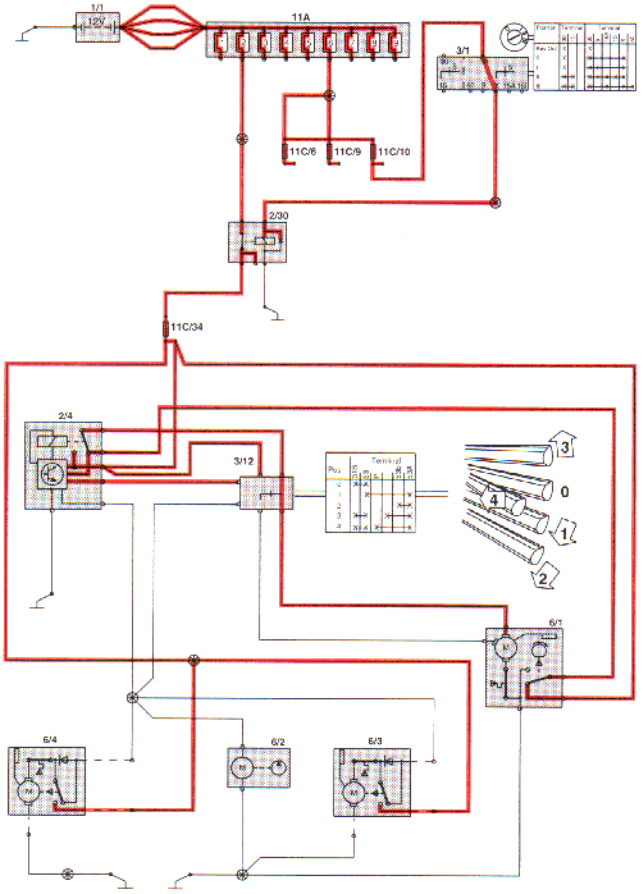
1.



2.



3.

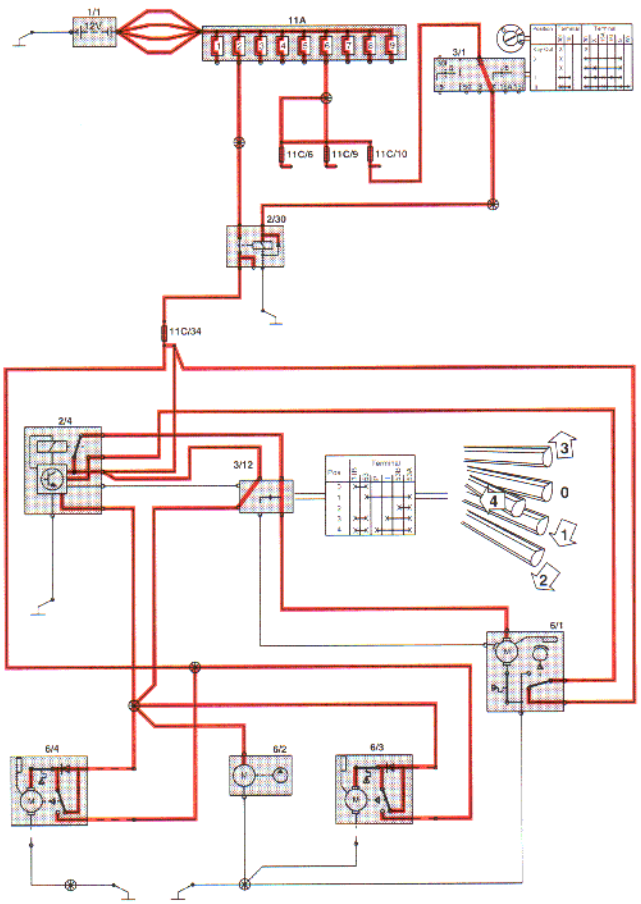


Ignition on.

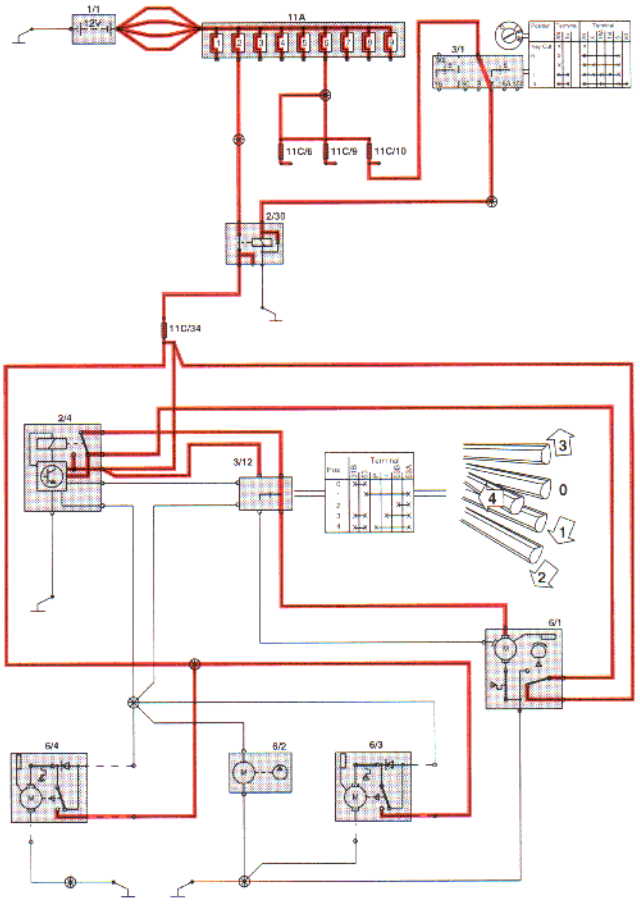
1. Windshield wiper at normal speed
2. Windshield wiper at high speed
3. Windshield wiper at intermittent wipe

Windshield and headlight wash/wipe
Function diagram

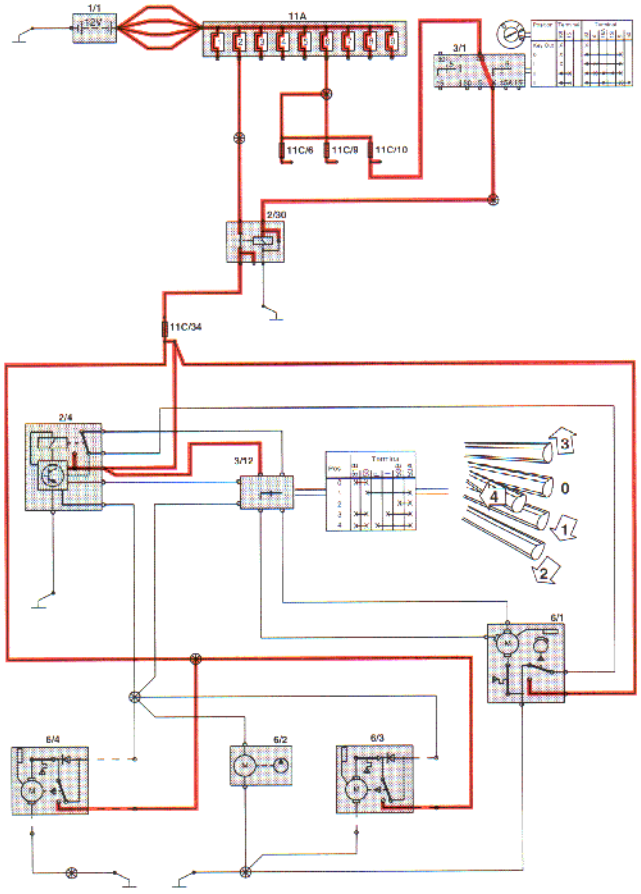
4.



5.



6.

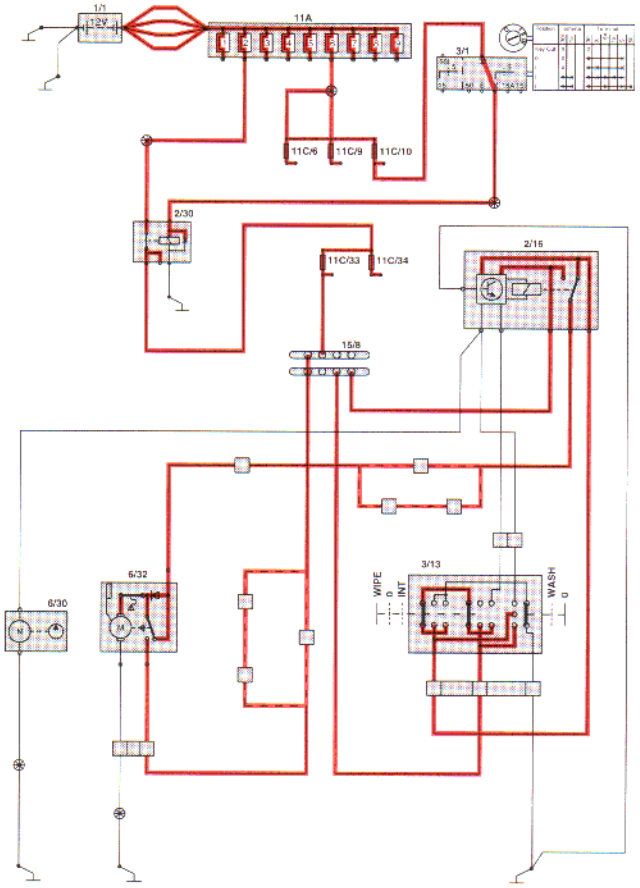


Ignition on.

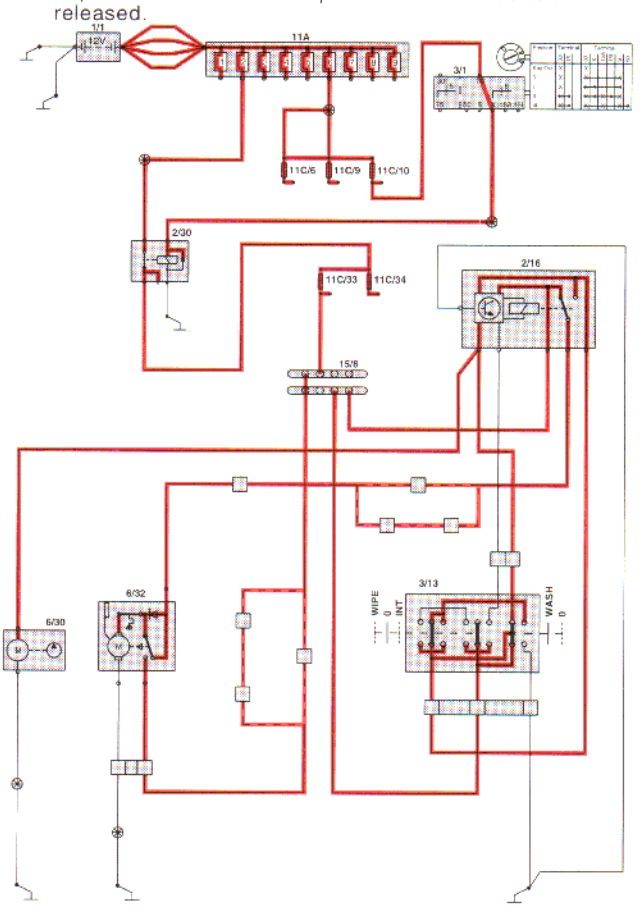
4. Windshield wiper and washer connected. Wiper continues for 2-3 wipes after lever released.
5. Windshield wiper at parking speed.
6. Windshield wiper in parking mode.

Tailgate wash/wipe
Function diagram

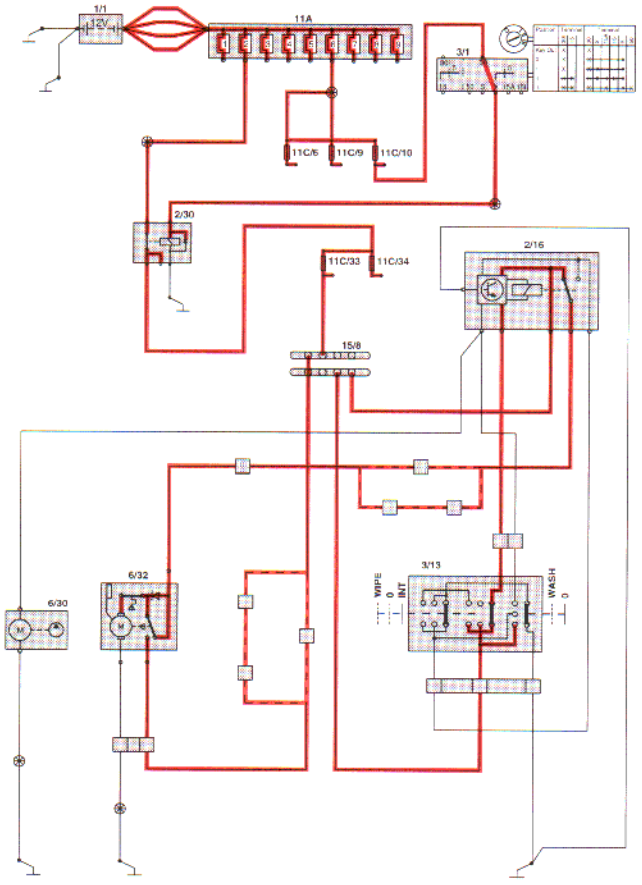
Tailgate wiper connected.



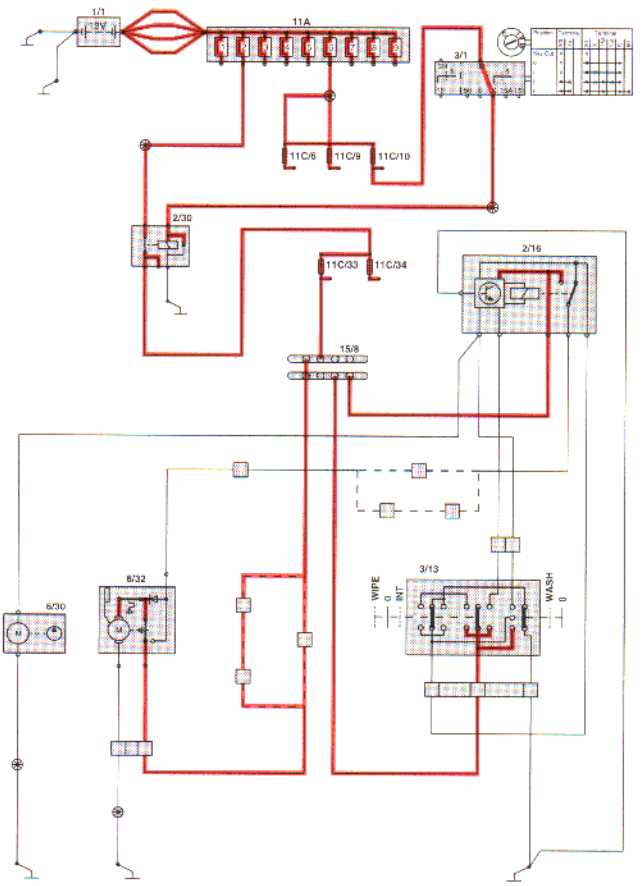
Tailgate wiper and washer connected.
Wiper continues for 2-3 wipes after washer button released.



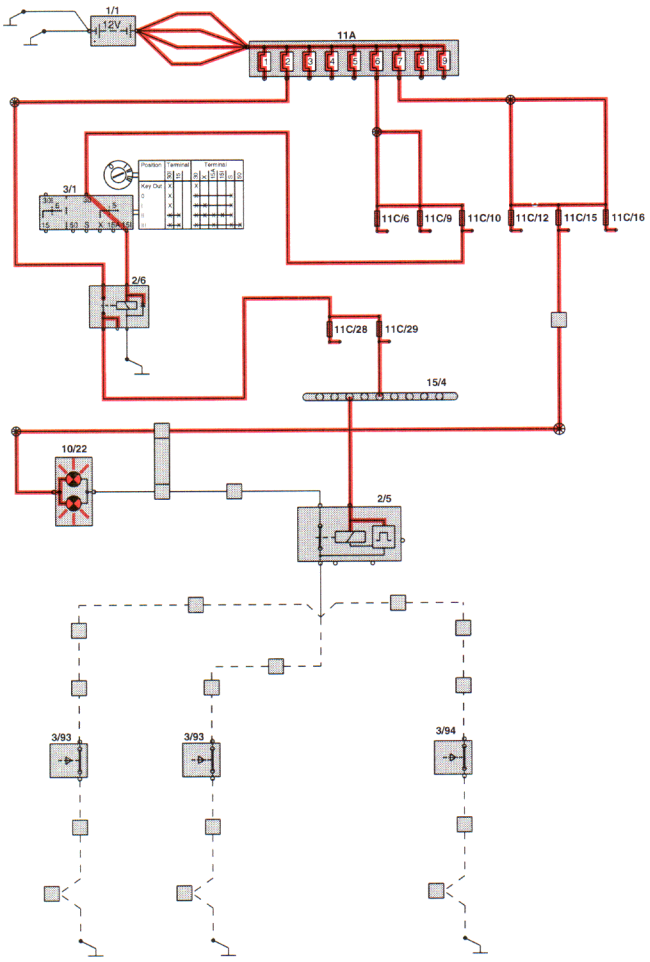
Tailgate wiper at intermittent wipe.



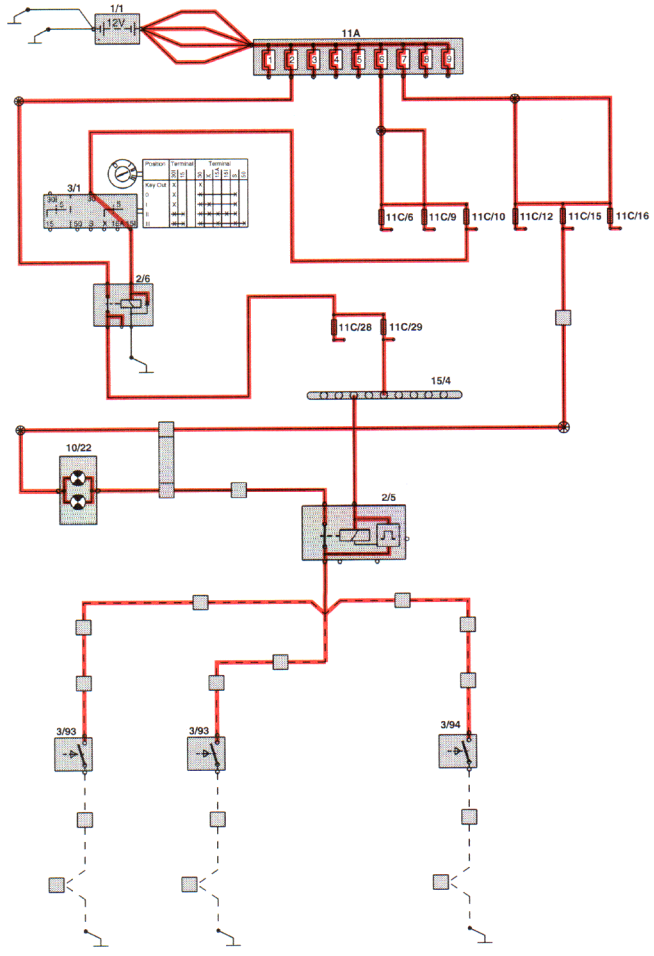
Tailgate wiper at parking speed.



Seat belt reminder
Function diagram



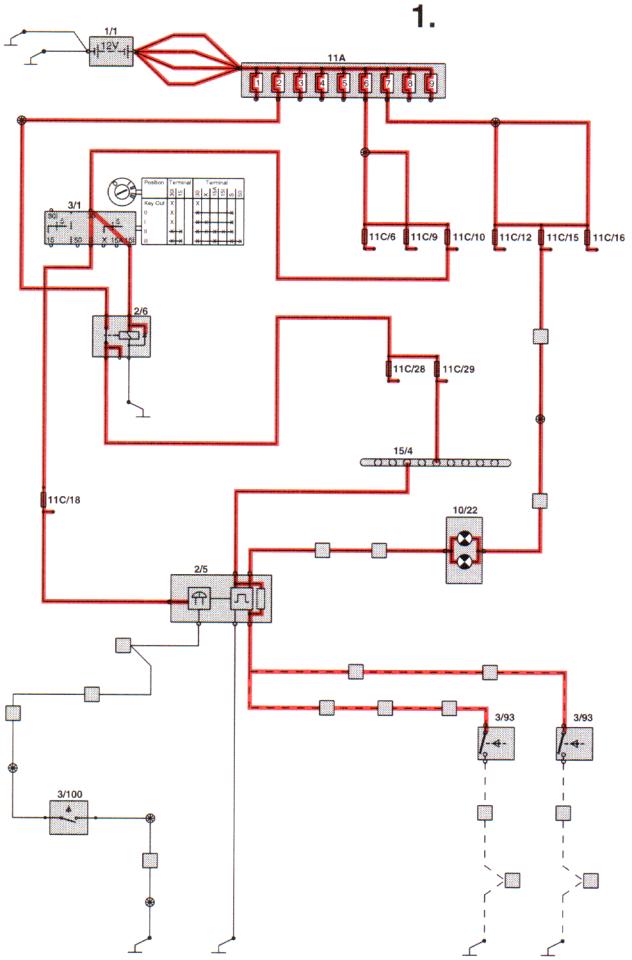
Ignition on.
Seat belt not connected.



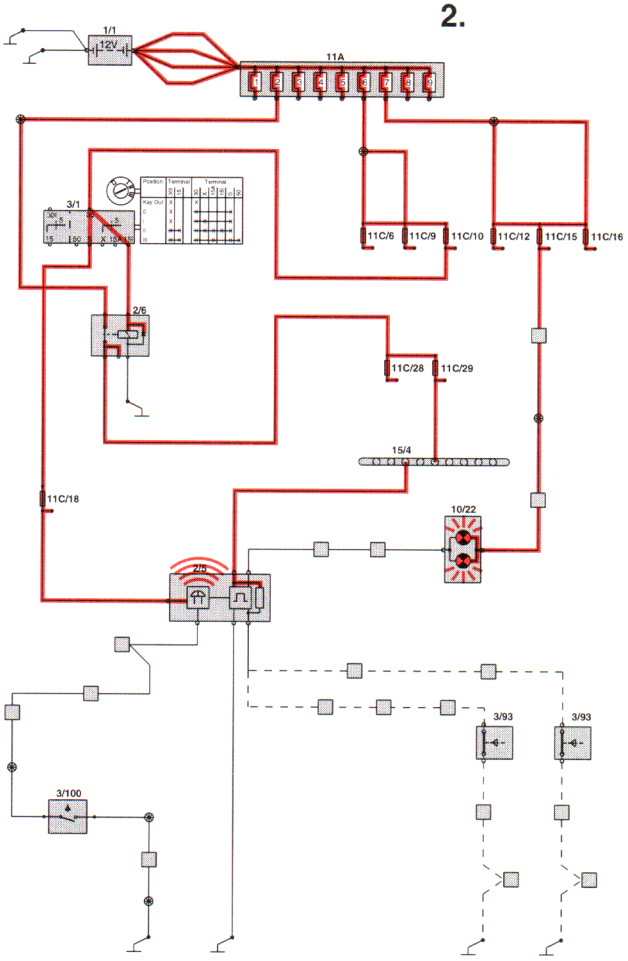
Ignition on.
Seat belt connected.

Seat belt reminder and key warning
Function diagram

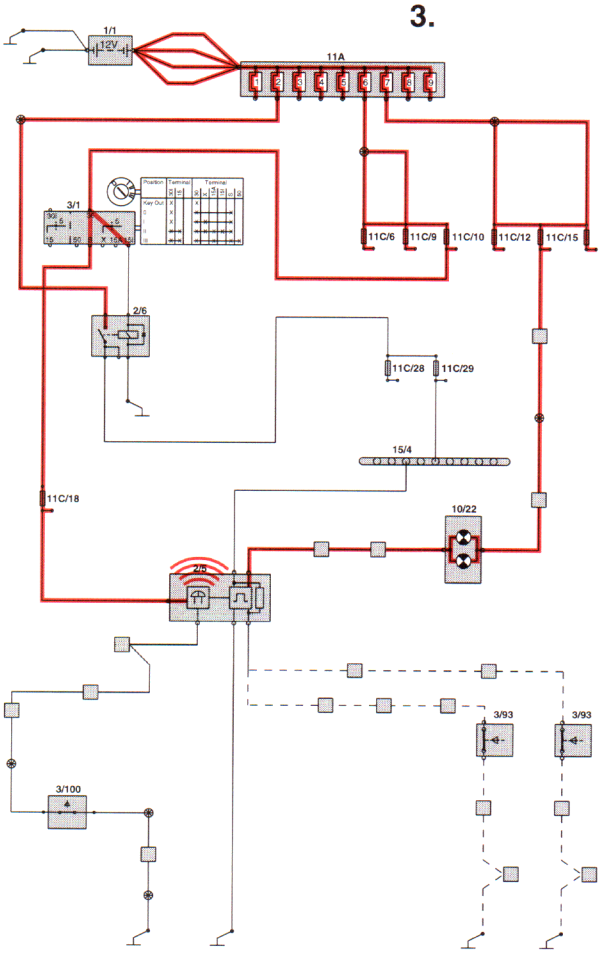
1.



2.



3.

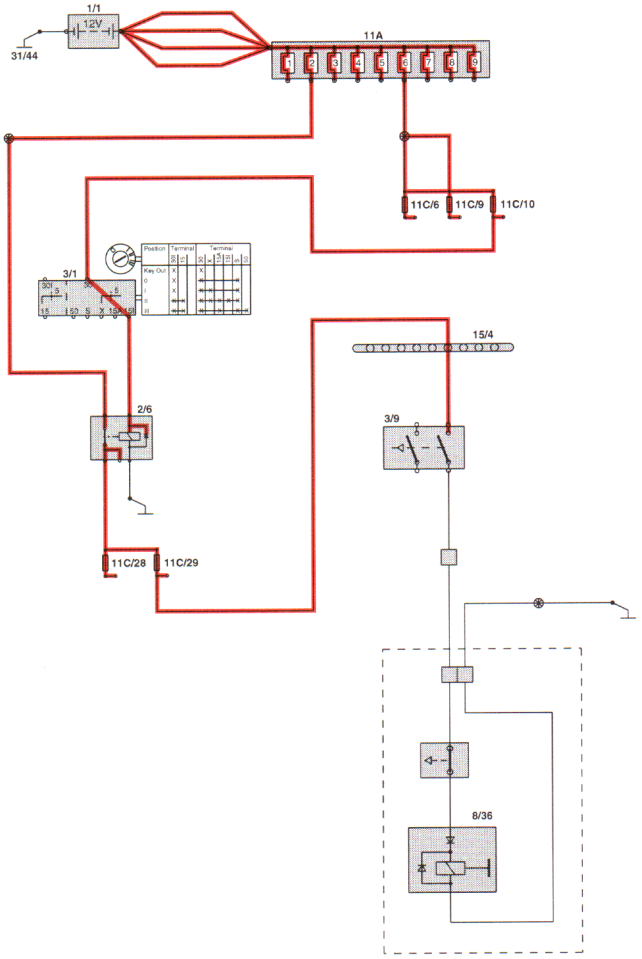


1. Ignition on.
   Seat belt connected.
2. Ignition on.
   Seat belt not connected.

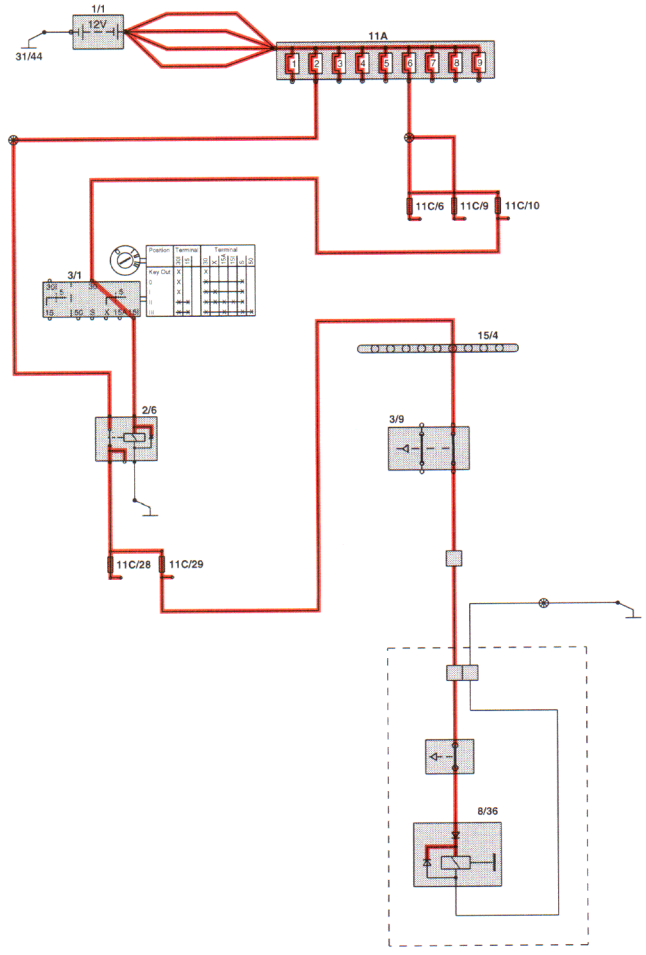
   Seat belt warning lamp lights and clock sounds for a few seconds
3. Key still in ignition and driver door open.

   Clock sounds.

P-shift lock, automatic transmission
Function diagram

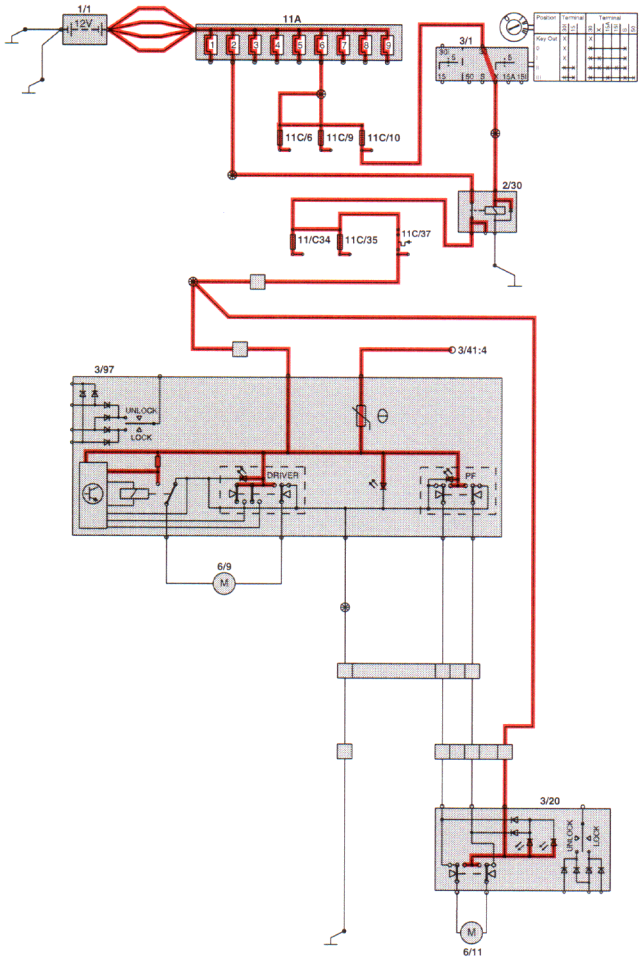


Ignition on.
Gear selector locked in P-shift position.

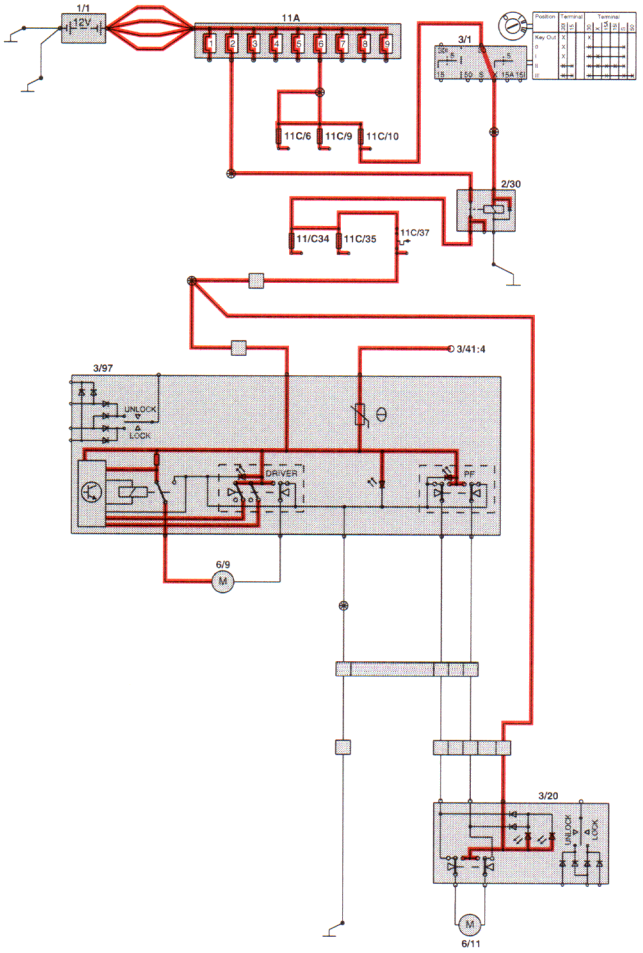


Ignition on.
Stop (brake) lamp switch is closed and solenoid for P-shift lock is tripped.
Gear selector can now be moved from its P-shift position

Power windows, C70
Function diagram

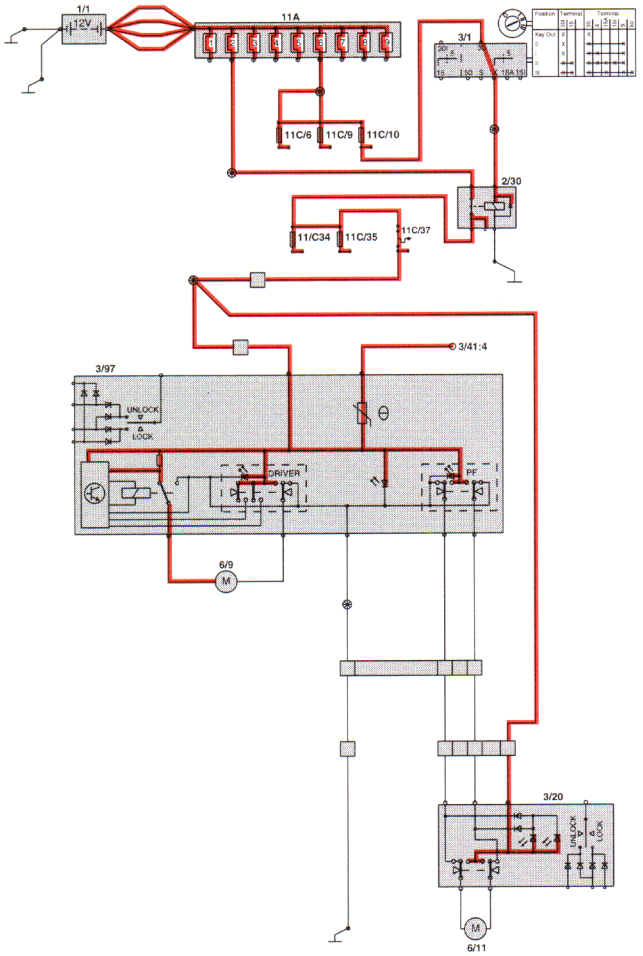


Ignition on.
Power windows not activated.

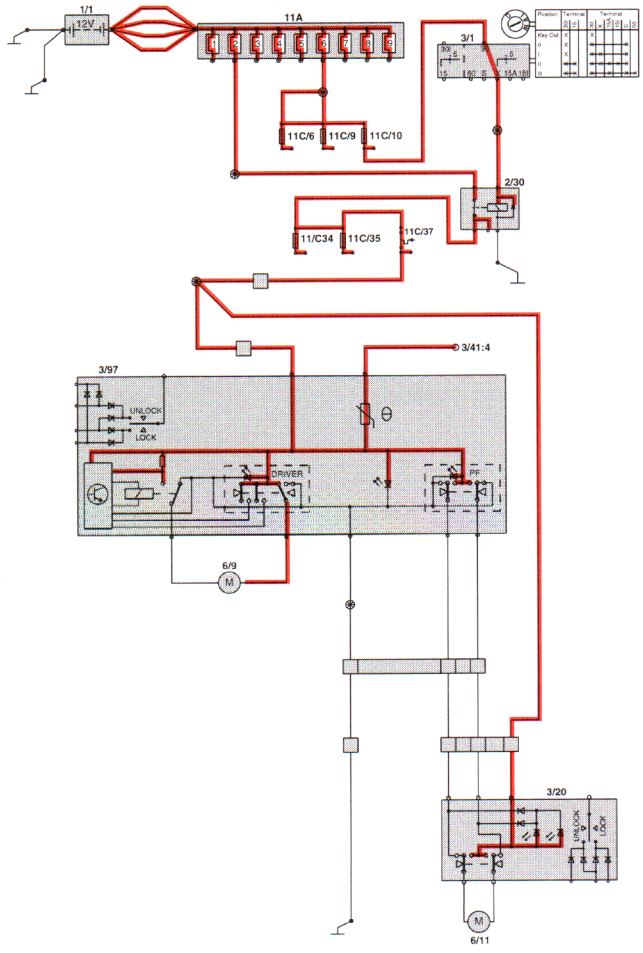


Ignition on.
The driver door power window switch in down position.

Power windows, C70
Function diagram

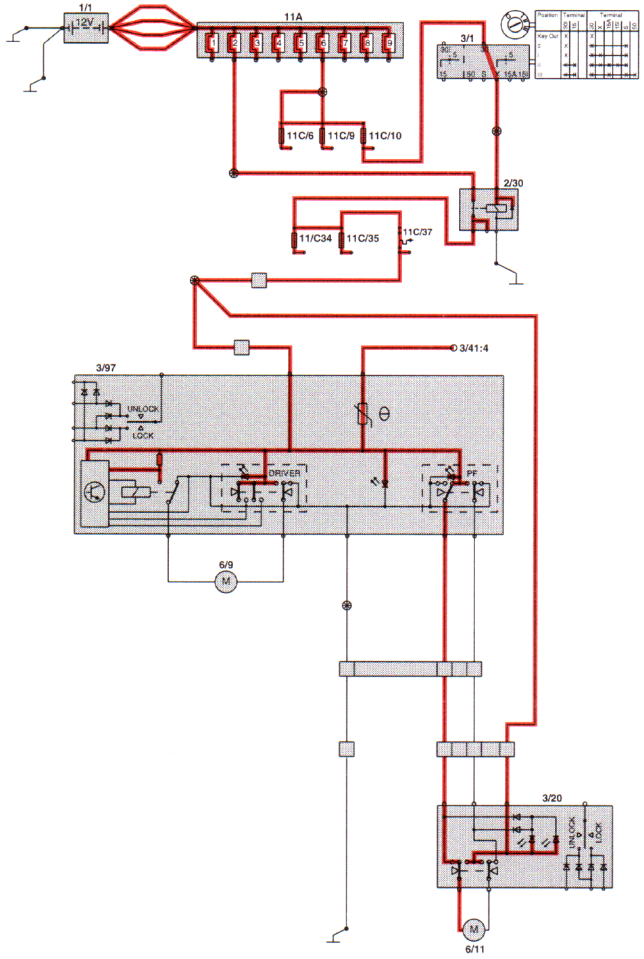


Ignition on.
When the power window switch for driver's door
is located in Down position for a short period
the voltage to the power windows is held by the autodown relay until the window has reached the lowest position.

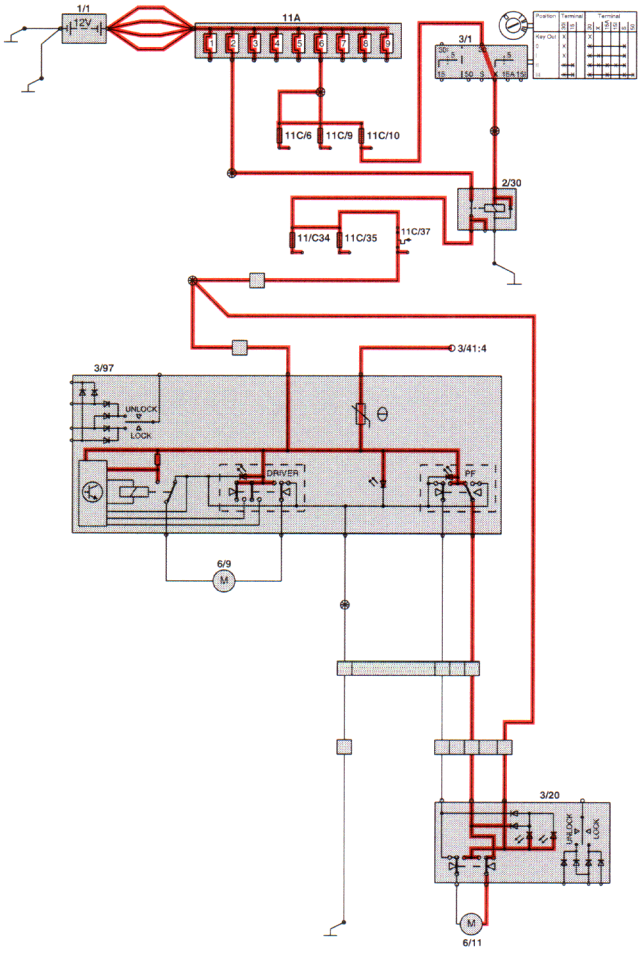


Ignition on.
The driver door power window switch in the Up position.
The driver's door window goes up until the power window switch is released or the window has reached the upper position.

Power windows, C70
Function diagram

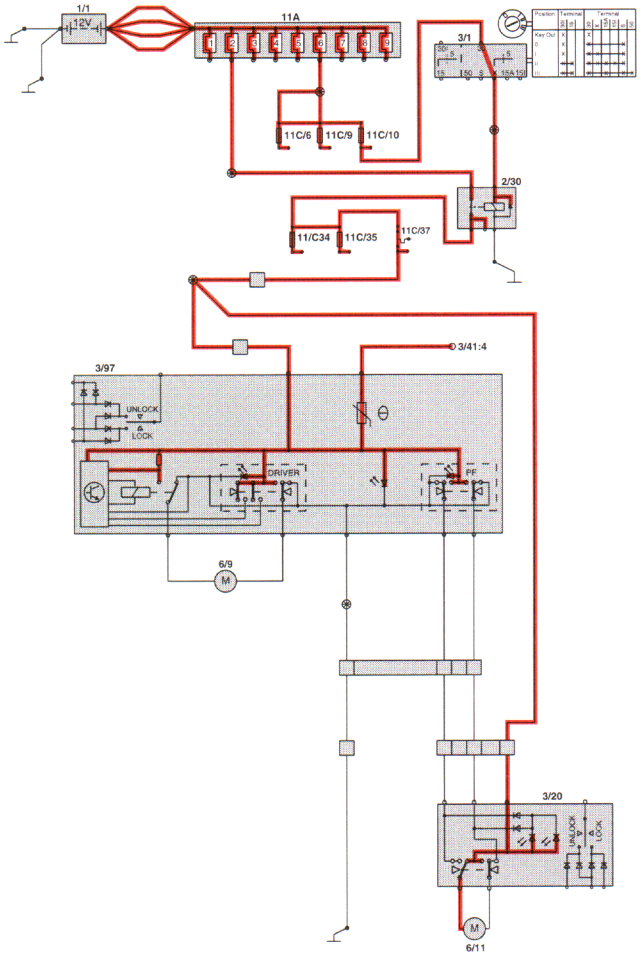


Ignition on.
Opening passenger door window with driver's door power window switch.

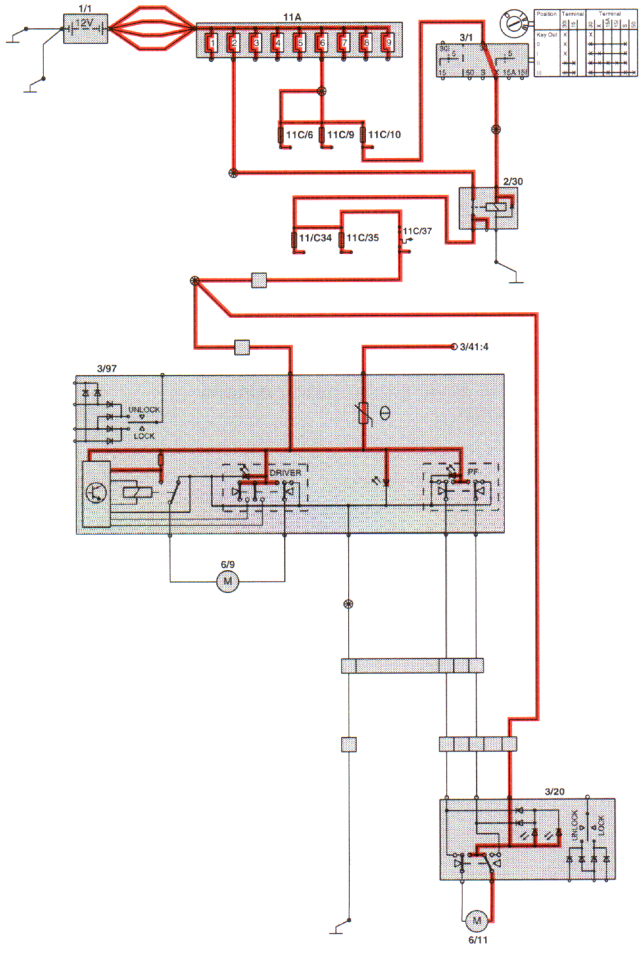


Ignition on.
Closing passenger door window with driver's door power window switch.

Power windows, C70
Function diagram

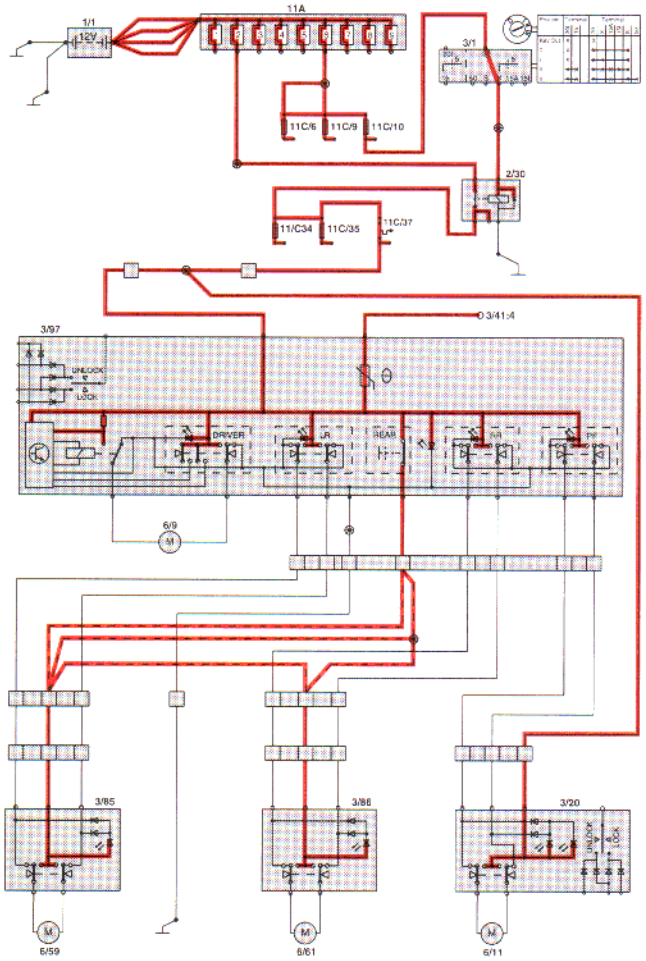


Ignition on.
Opening passenger door window with passenger door power window switch.

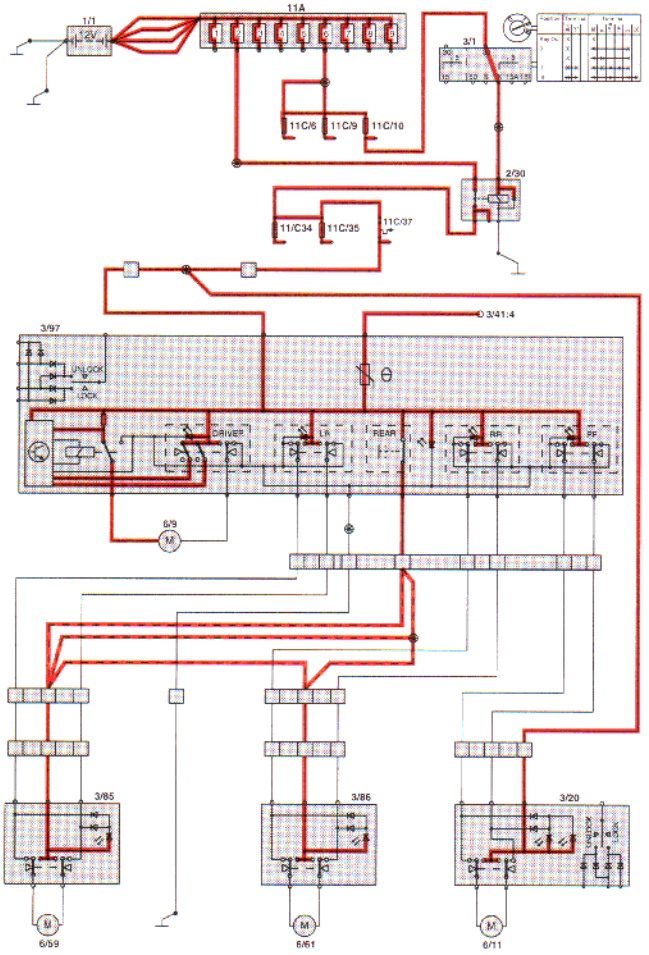


Ignition on.
Closing passenger door window with passenger door power window switch.

Power windows, S70/V70
Function diagram

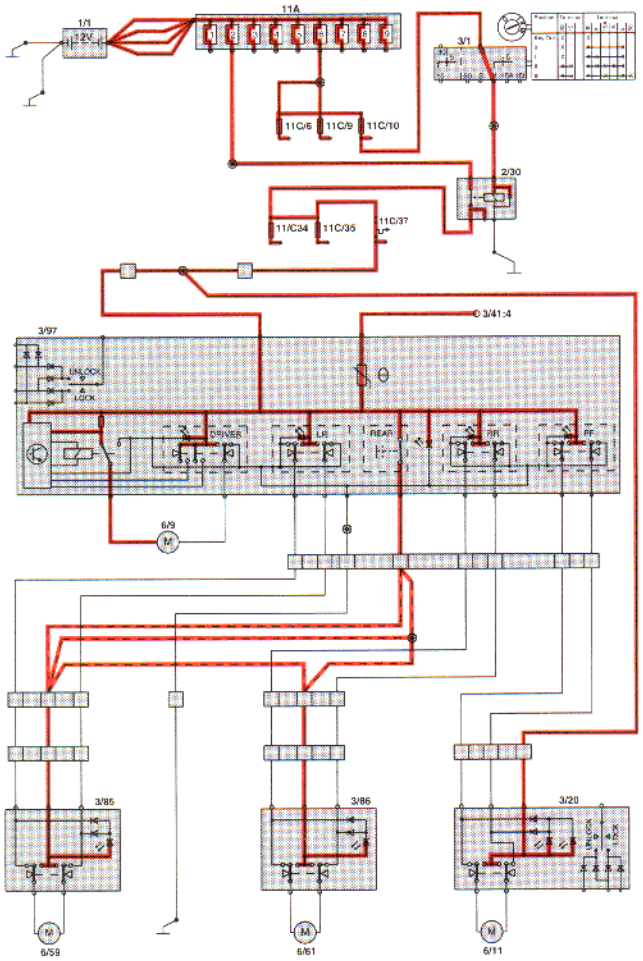


Ignition on.
Power windows not activated.

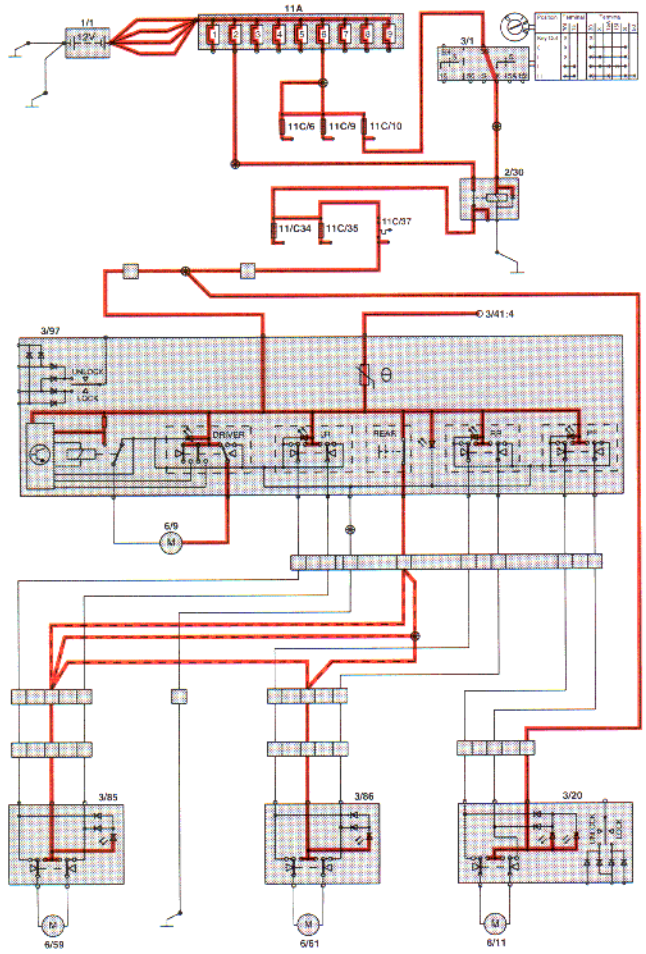


Ignition on.
The driver door power window switch in
Down position.

Power windows, S70/V70
Function diagram

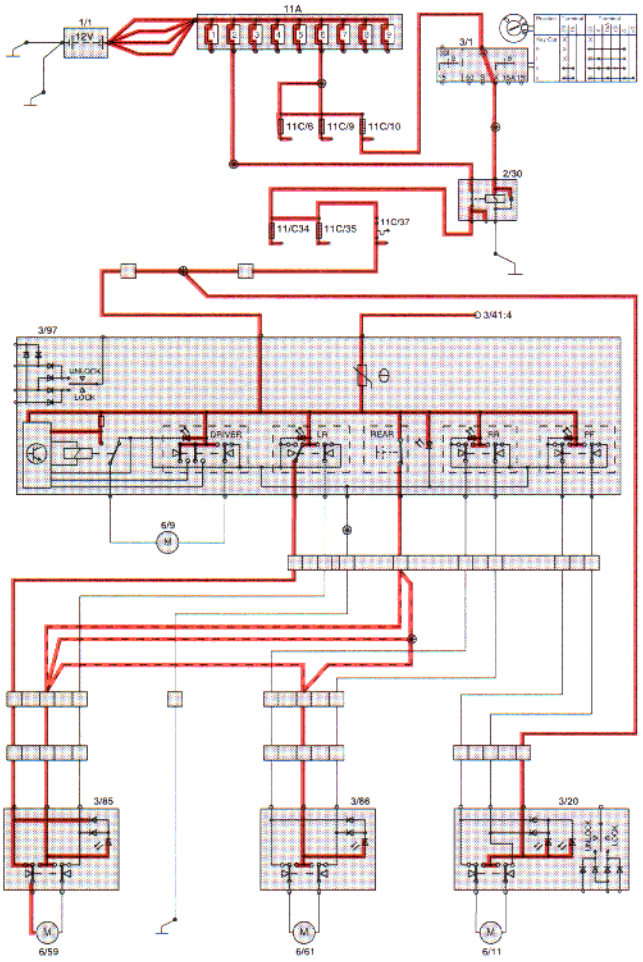


Ignition on.
When the power window switch for driver's door is located in Down position for a short period the voltage to the power windows is held by the autodown relay until the window has reached the lowest position.

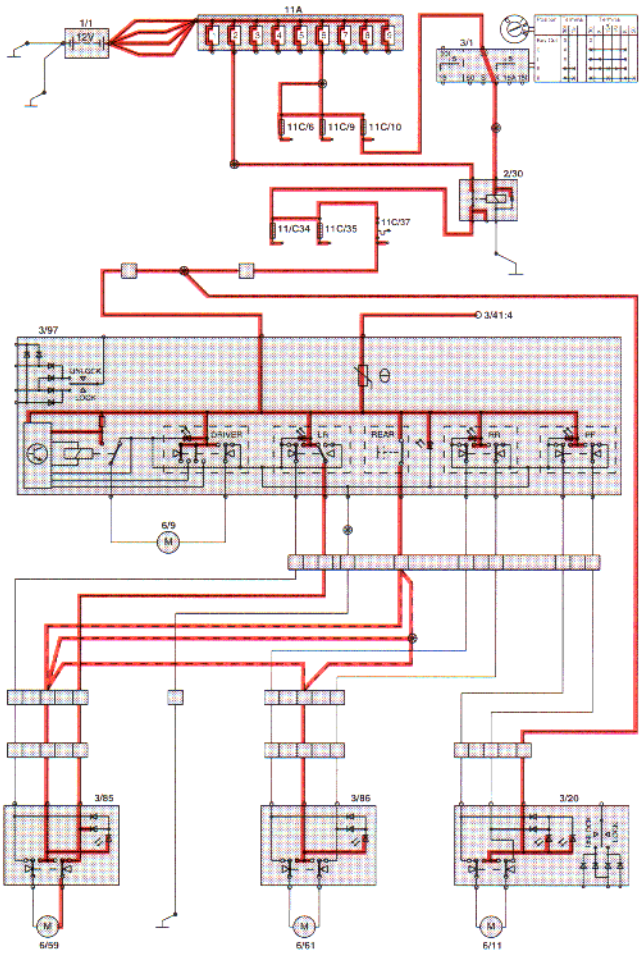


Ignition on.
The driver door power window switch in the Up position.
The driver's door window goes up until the power window switch is released or the window has reached the upper position.

Power windows, S70/V70
Function diagram

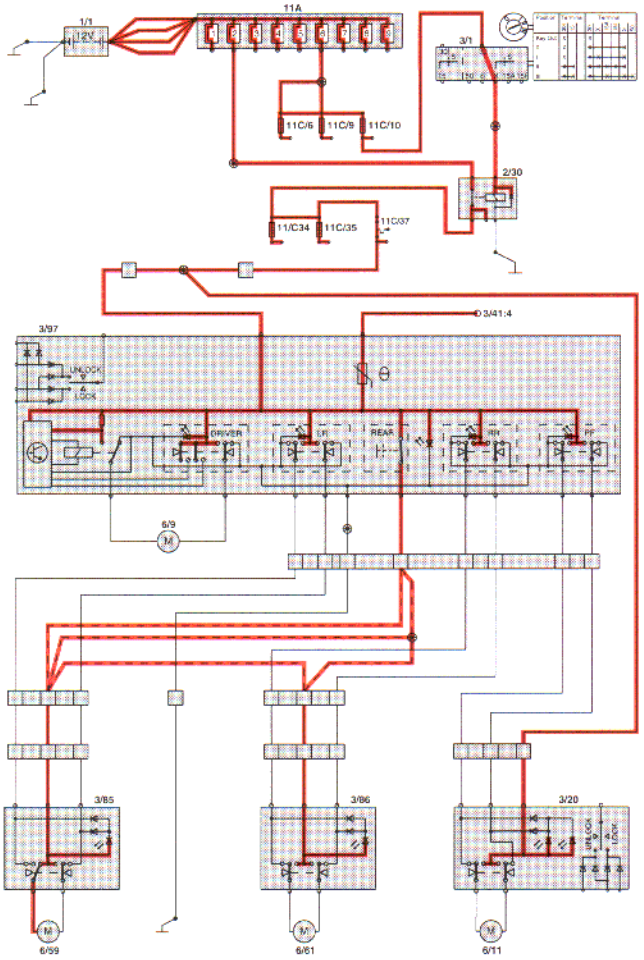


Ignition on.
Opening left rear door window with driver's door power window switch.

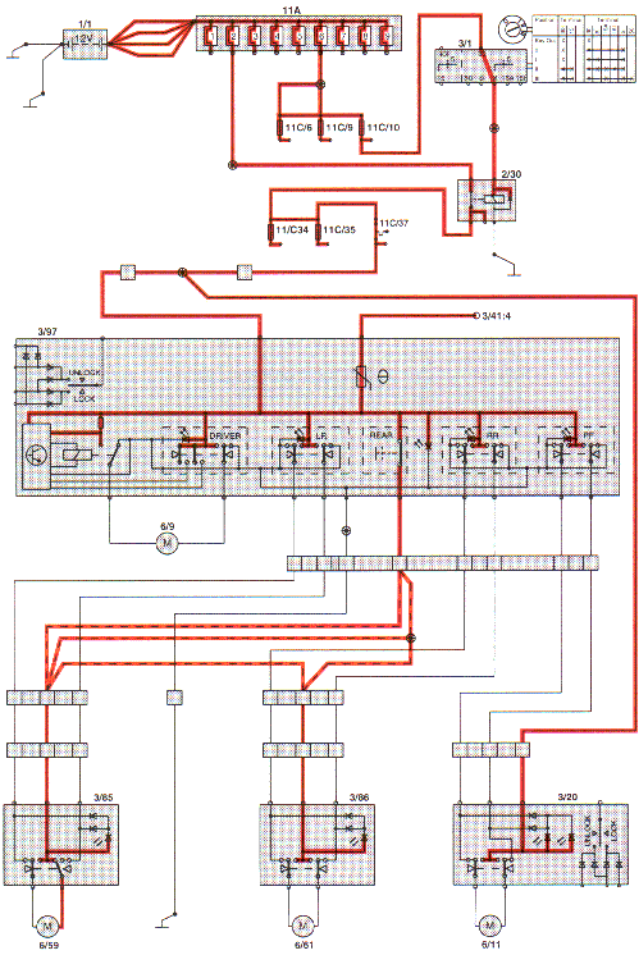


Ignition on.
Closing left rear door window with driver's door power window switch.

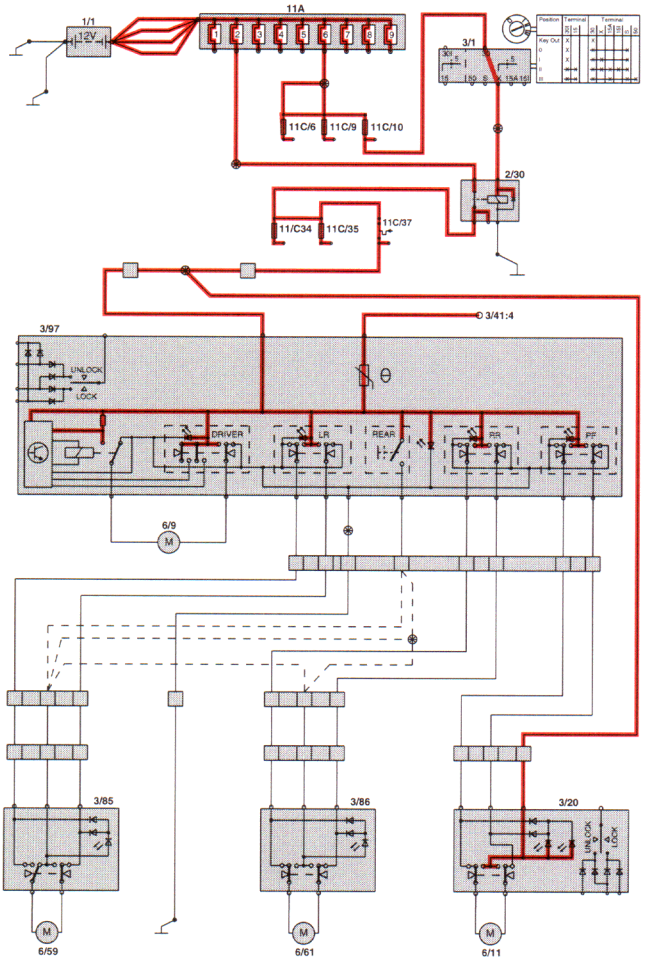
Power windows, S70/V70
Function diagram



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



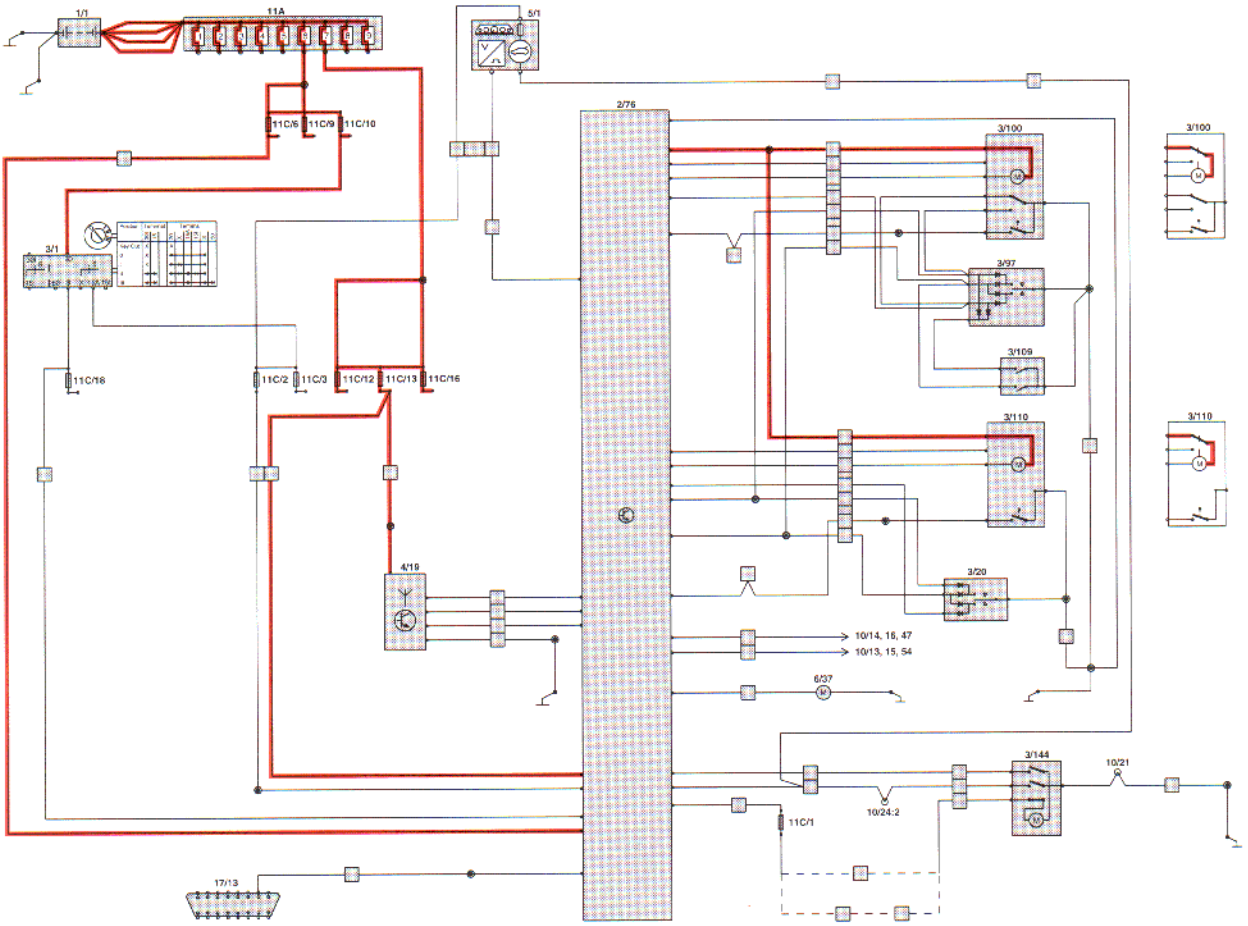
Ignition on.
Closing left rear door window with left rear door power window switch.



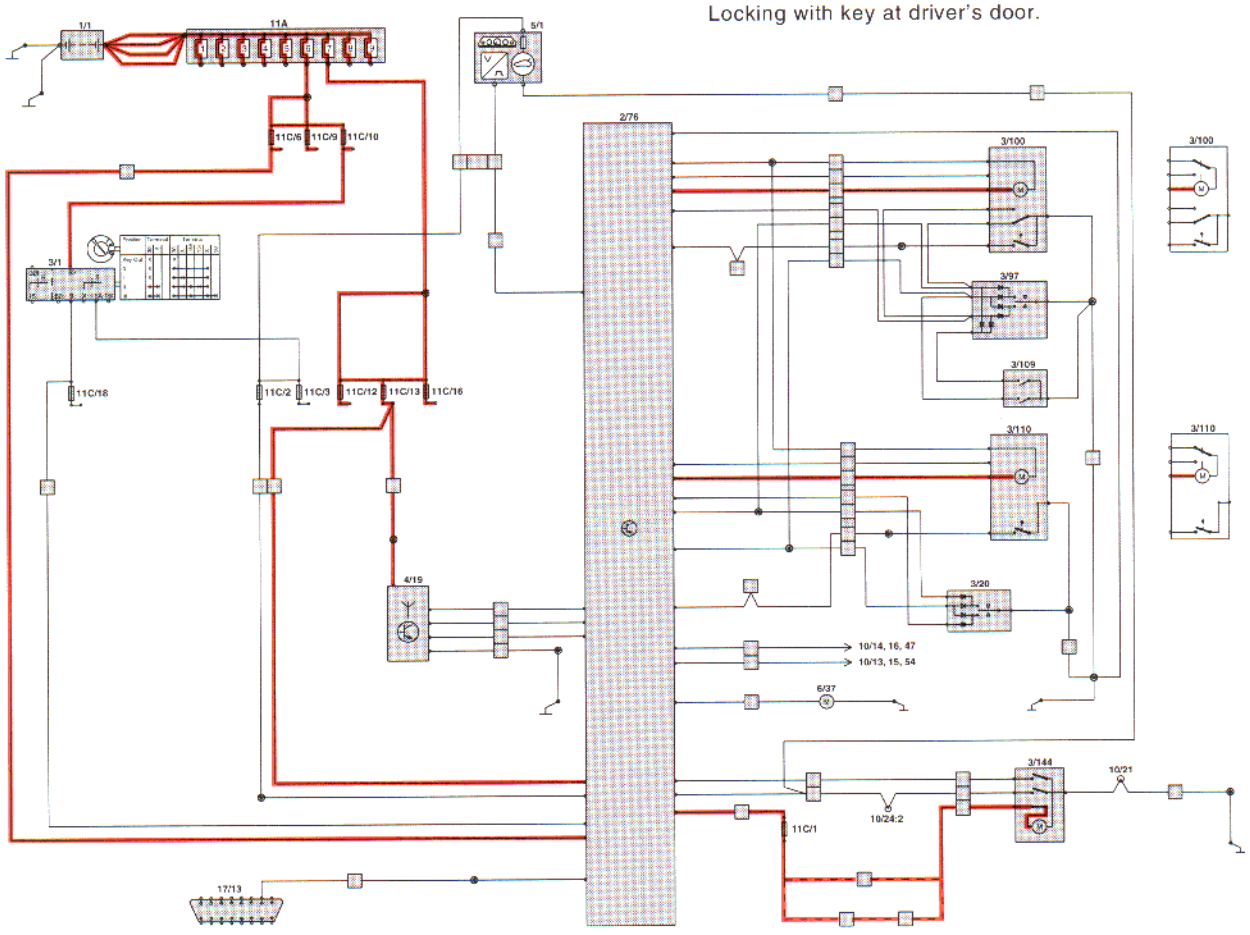
Ignition on.
Blocking rear door power windows with driver's door switch.

Central locking, C70
Function diagrams

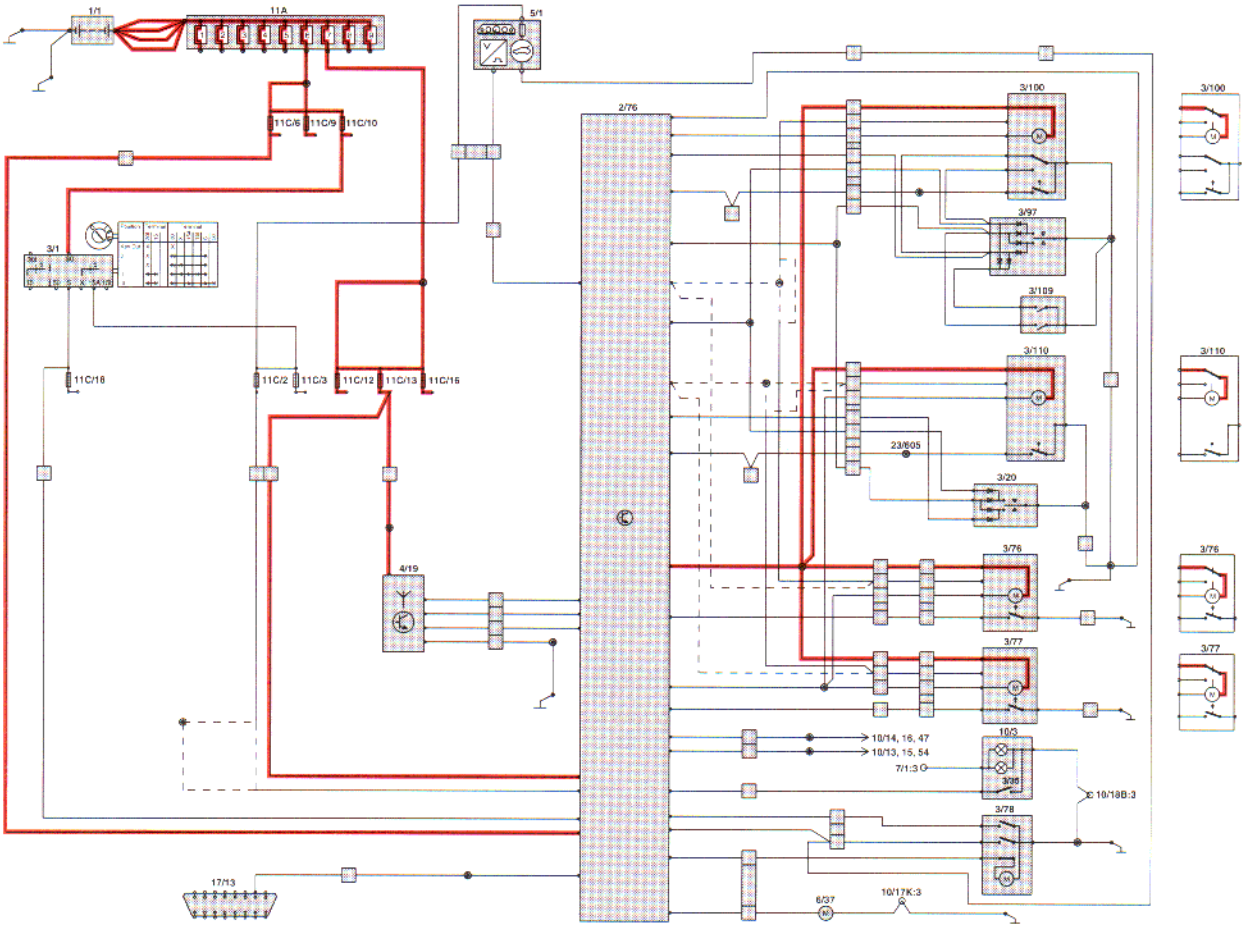
Unlocking with key at driver's door.



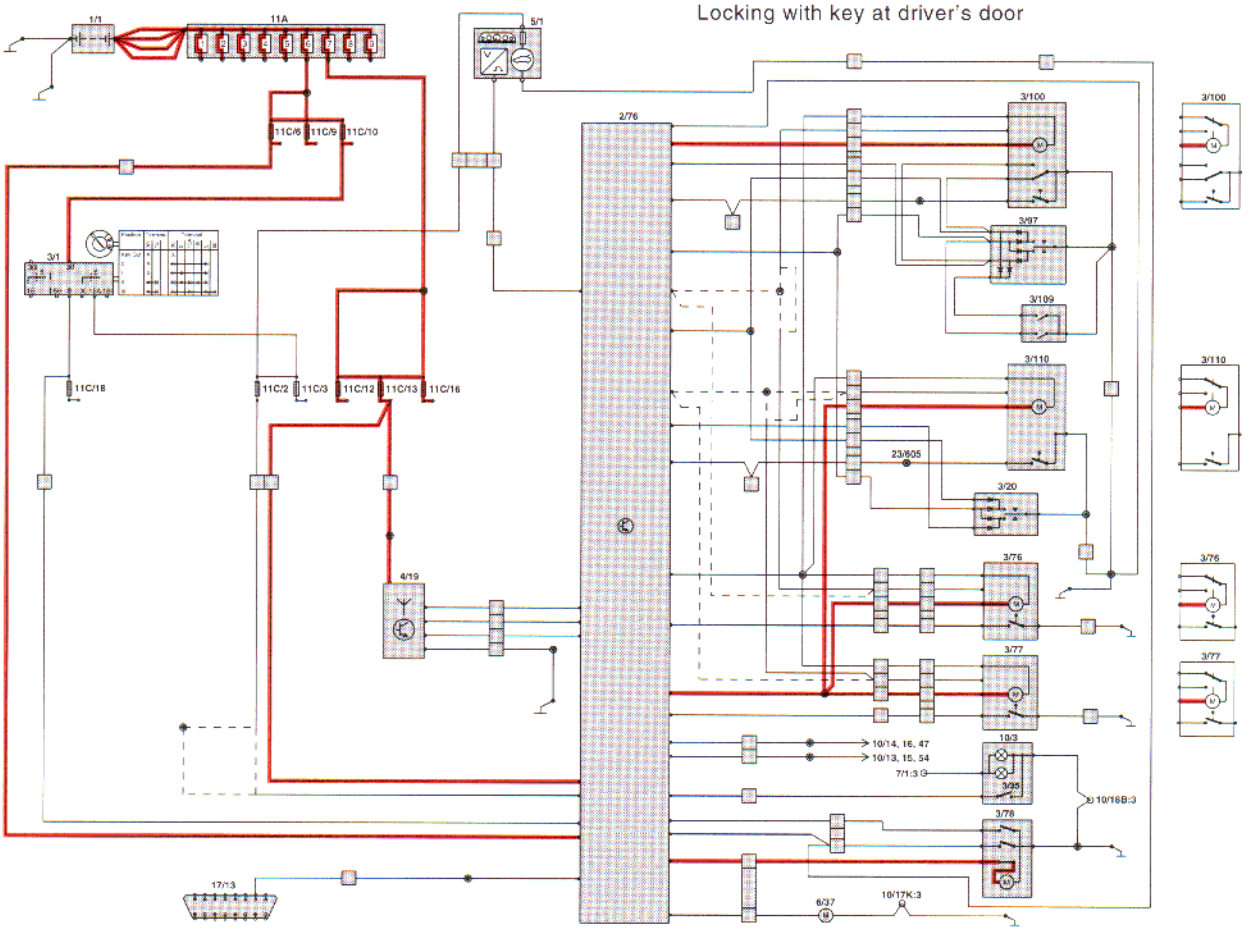
Locking with key at driver's door.



Unlocking with key at driver's door.

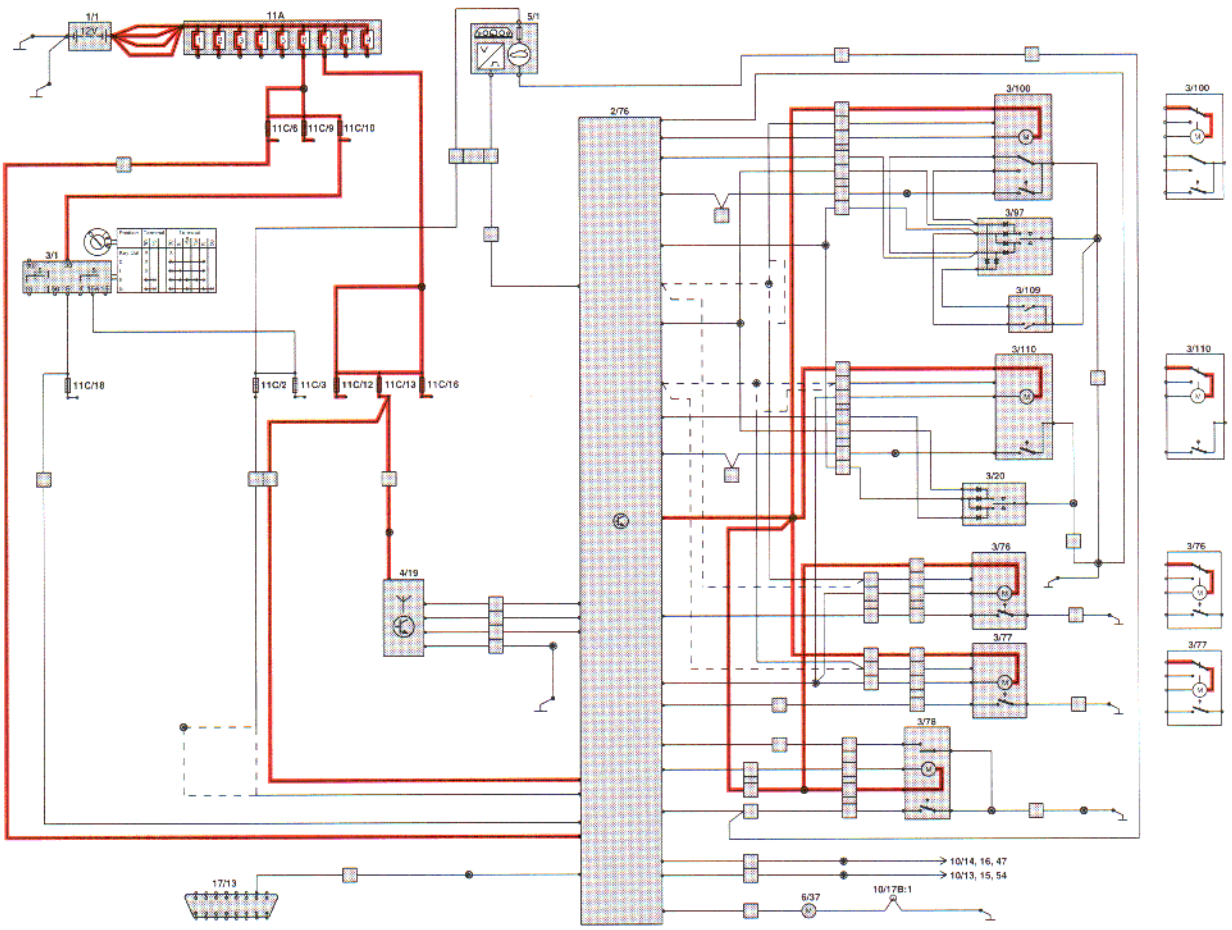


Locking with key at driver's door

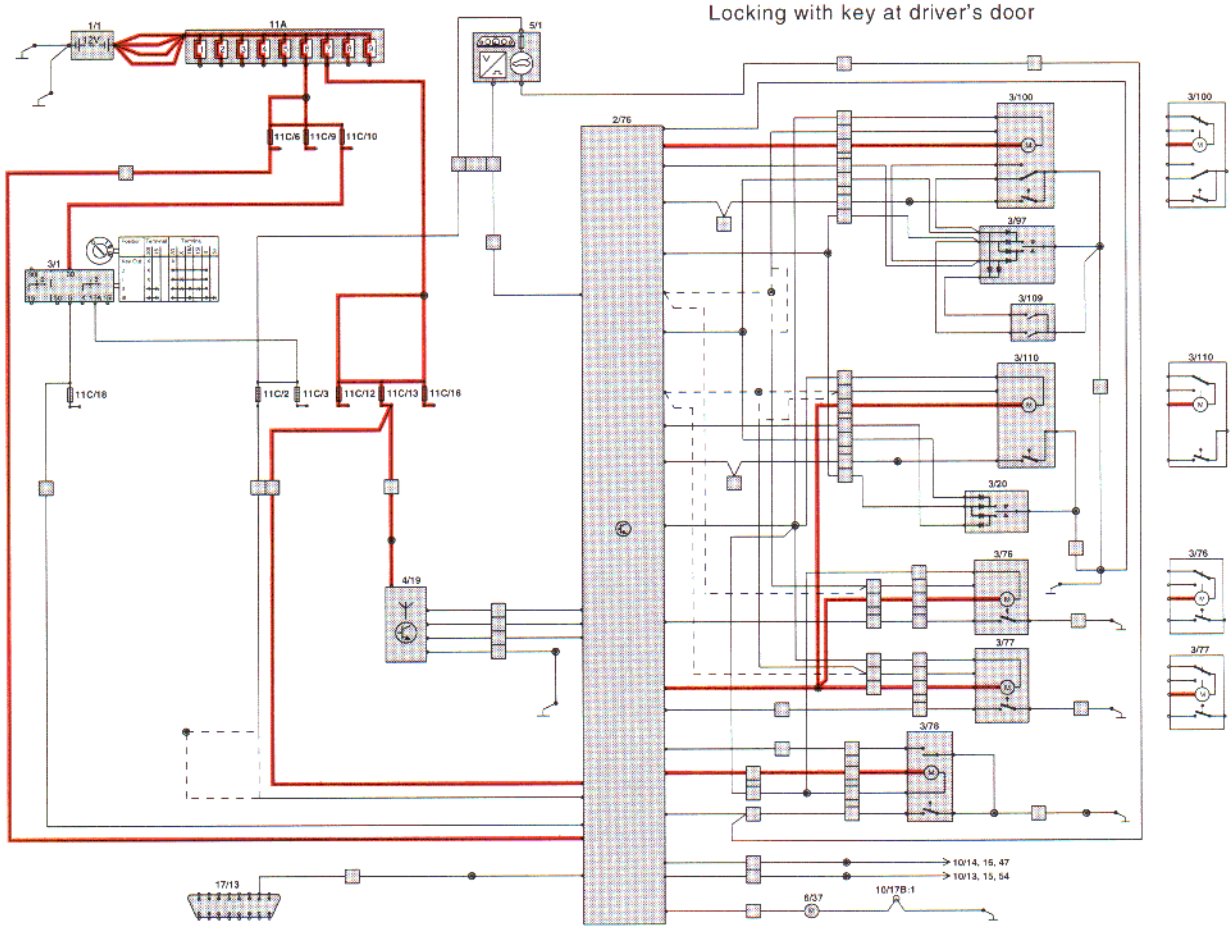


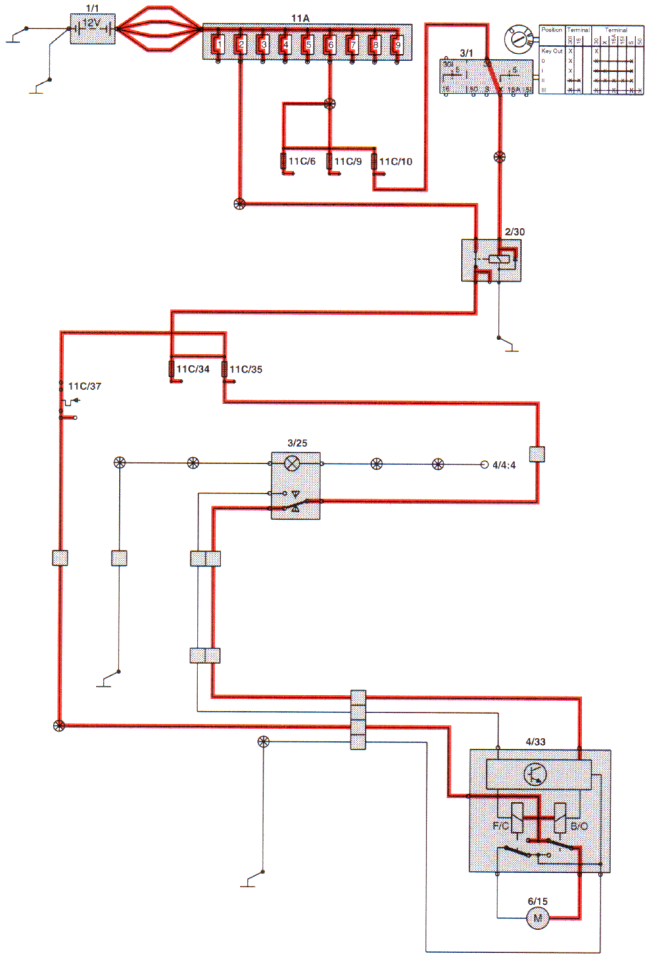
Central locking, V70
Function diagrams

Unlocking with key at driver's door.

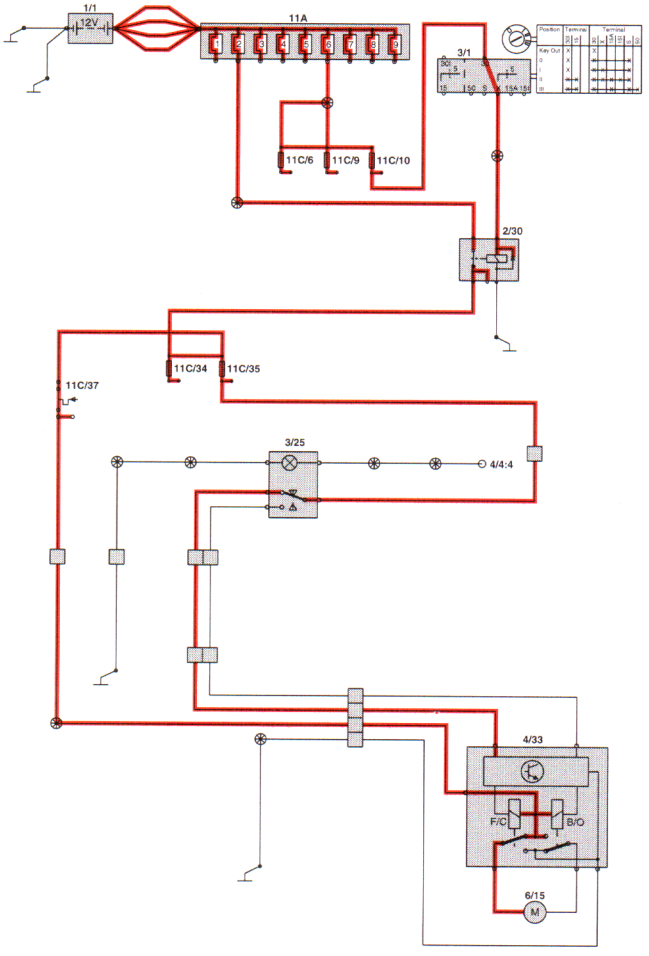


Locking with key at driver's door



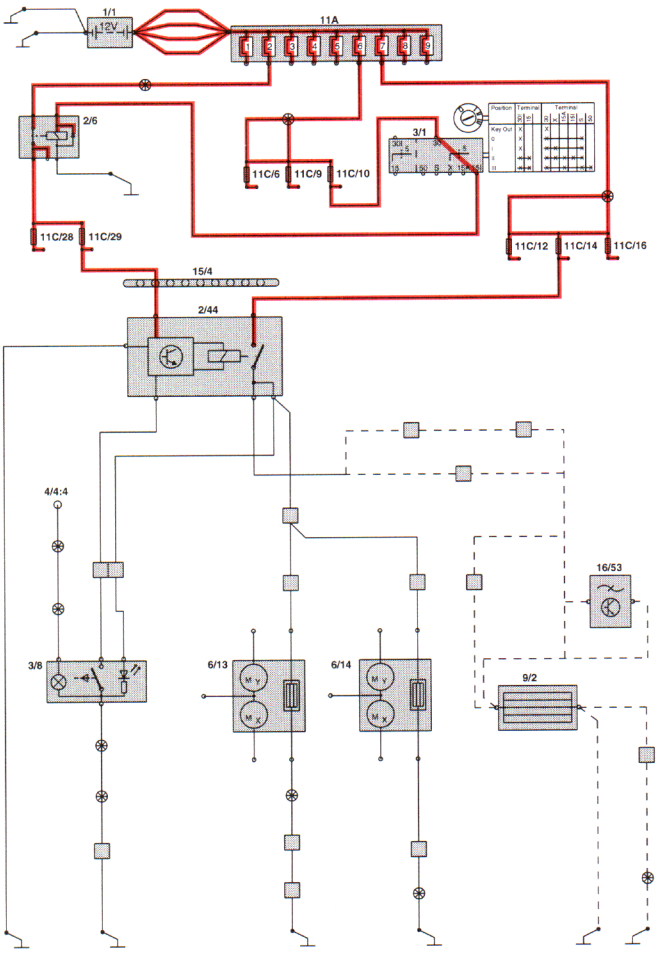


Ignition on.
Opening the sunroof

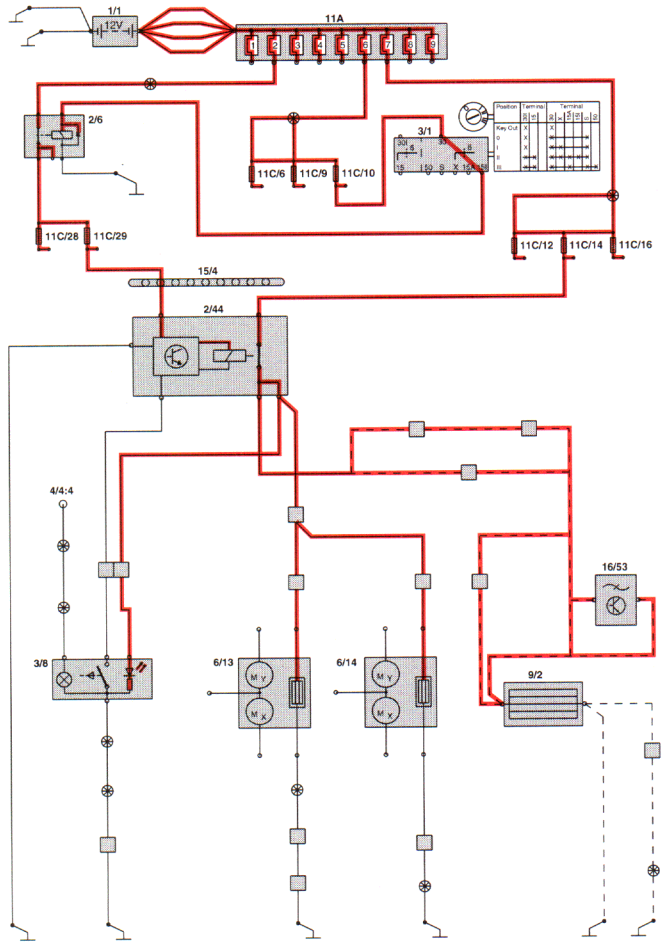


Ignition on.
Closing the sunroof

Heated rear window and heated door mirrors
Function diagrams



Ignition on.
Time relay, 2/44, for heating heated rear windshield/powered rear view mirrors not activated.

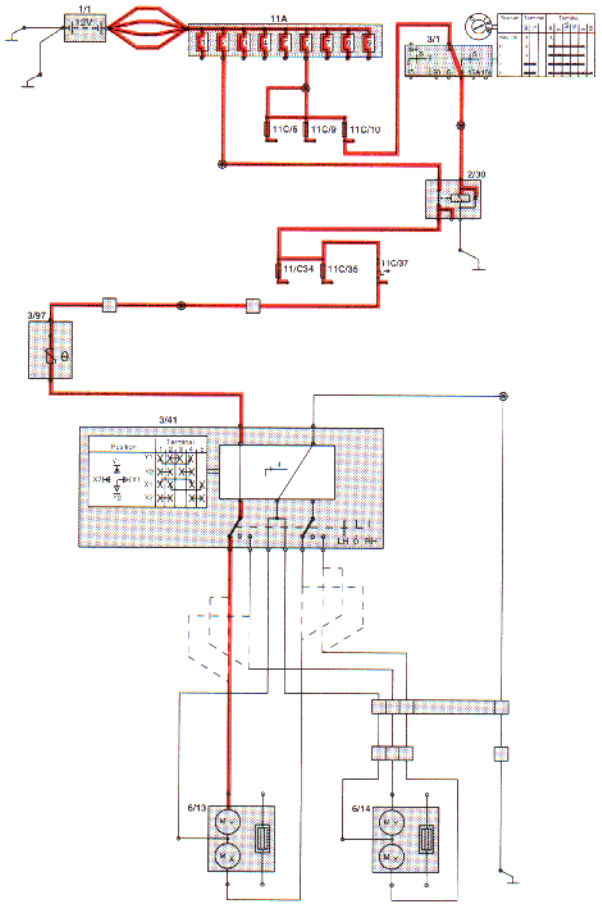


Ignition on.
Time relay, 2/44, for heating heated rear windshield/powered rear view mirrors activated with switch, 3/8.

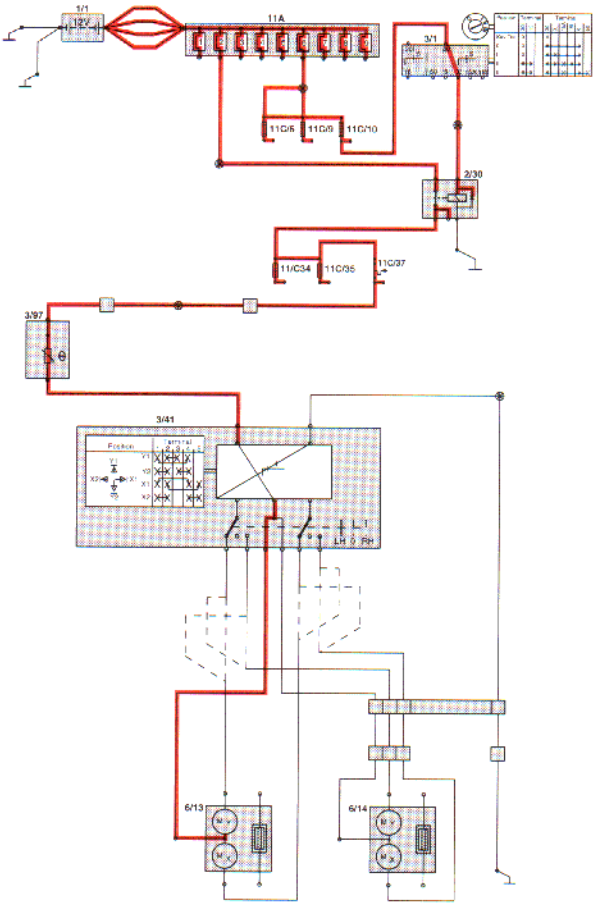
The time relay is active for a few minutes after the switch has been released.

Power door mirrors
Function diagrams

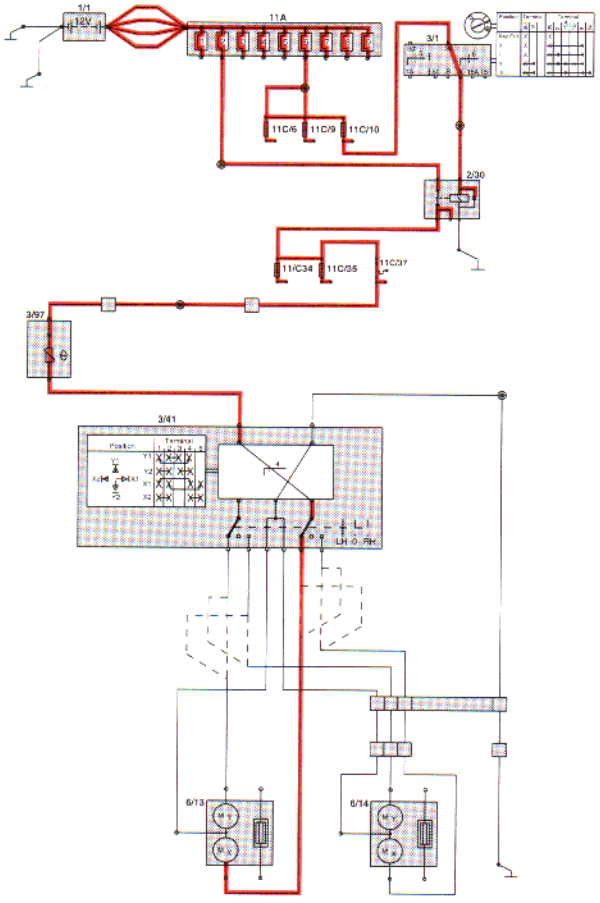
Driver's side door mirror.
LHD adjust outwards.



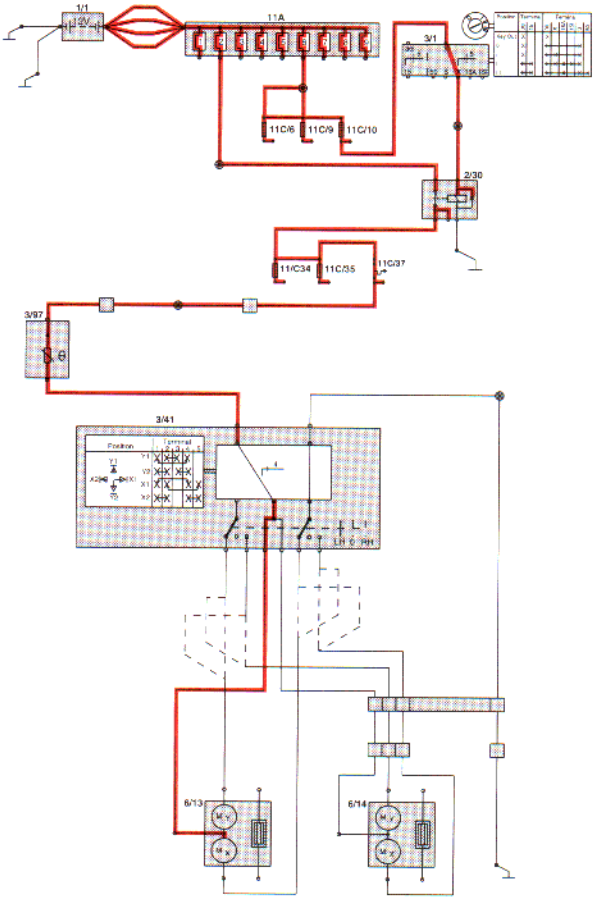
Driver's side door mirror.
LHD adjust inwards.



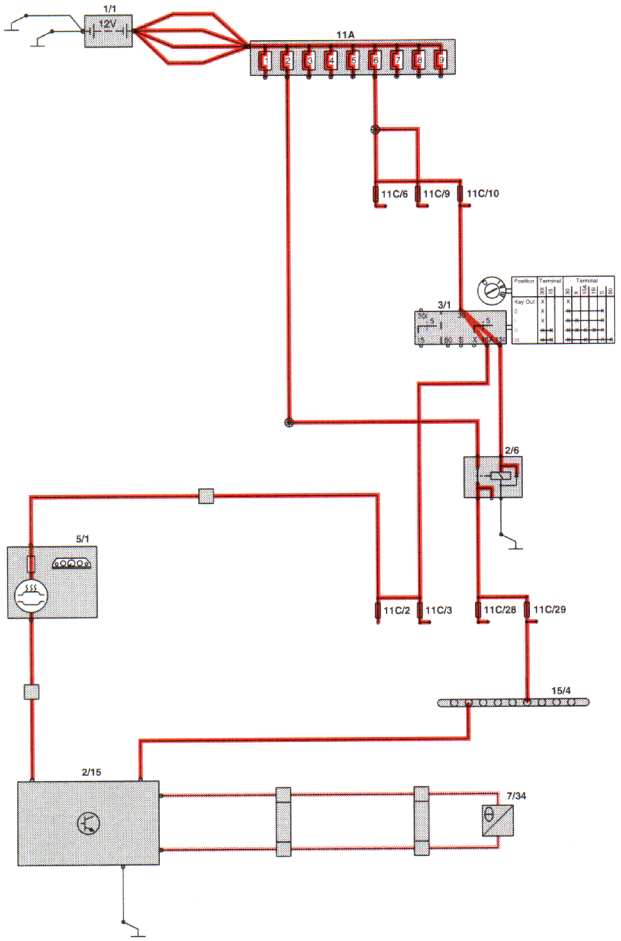
Driver's side door mirror.
LHD adjust upwards.



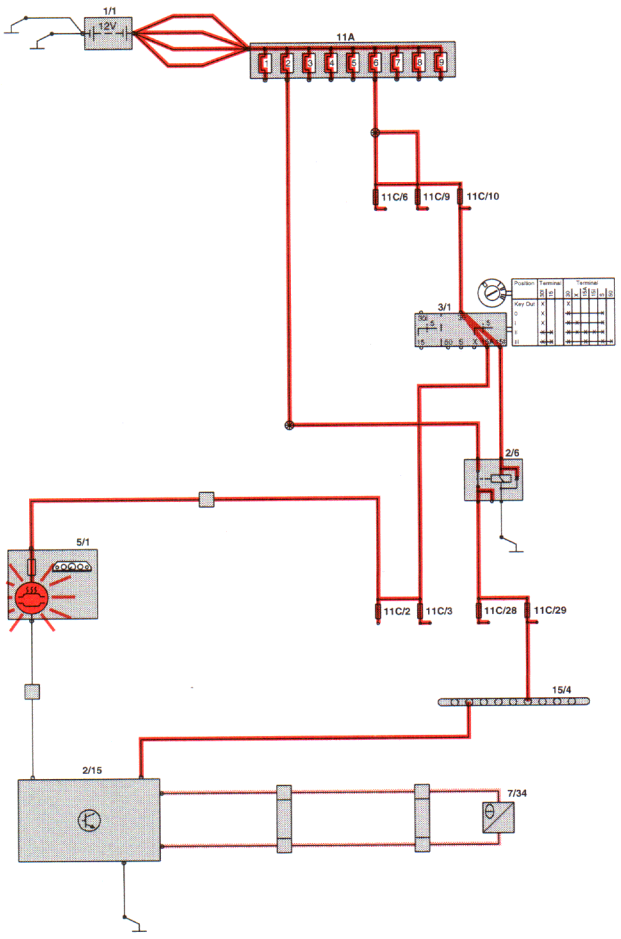
Driver's side door mirror.
LHD adjust downwards.



Exhaust temperature switch
Function diagrams



Exhaust temperature under 850°C.



Exhaust temperature over 850°C.

Component list

1/1	Battery
2/1	Main headlamp relay with bulb failure warning sensor
2/2	Fog lamp relay
2/4	Relay, windshield intermittent wiper
2/5	Relay, seat belt reminder/key warning
2/6	Overload relay 15I-supply
2/11	Relay engine coolant fan (FC)
2/14	Glow plug relay
2/15	Relay exhaust temperature switch
2/16	Intermittent tailgate wiper relay
2/22	A/C relay
2/23	Fuel pump relay
2/30	Overload relay X-supply
2/32	Fuel system main relay
2/35	Starter motor relay
2/43	Relay, heated rear seat
2/44	Relay, heated rear window/door mirrors
2/53	Relay, pulsed secondary air injection system (PAIR) pump
2/54	Relay 30-supply cargo compartment
2/56	Heated seat relay front left
2/57	Heated seat relay front right
2/74	Relay heating plugs coolant
2/76	Central locking/anti theft alarm (lock/alarm) control module
2/77	Relay alarm horn
3/1	Ignition switch
3/2	Light switch
3/3	Turn indicator/ DIM-DIP switch
3/4	Control cruise control
3/6	Switch, hazard flasher with flasher relay
3/8	Switch, heated rear window/door mirrors
3/9	Stop (brake) lamp switch
3/10	Back-up (reversing) lamps switch
3/12	Windshield wash/wipe switch
3/13	Tailgate wipe/ -washer switch
3/20	Power window switch front passenger door
3/25	Switch power sunroof
3/35	Tailgate handle switch
3/37	Horn switches
3/38	Brake pedal switch
3/39	Clutch pedal switch
3/41	Power door mirrors switch
3/47	Handbrake switch
3/57	Climate control system
3/58	Switch rear foglamp
3/59	Beam height control
3/61	Trip computer control
3/62	Alarm switch in bonnet
3/63	Mode selector AW 50-42
3/65	Switch, heated rear seat
3/71	Gear position sensor
3/72	Kickdown switch (KD) throttle mechanism
3/76	Lock unit left rear
3/77	Lock unit right rear
3/78	Lock unit tailgate
3/84	Cargo compartment fans switch
3/85	Power window switch left rear door
3/86	Power window switch right rear door
3/89	Control unit left seat
3/91	Heated seat switch front left
3/92	Heated seat switch front right
3/93	Seat belt lock, left front seat
3/94	Seat belt lock, right front seat
3/95	TRACS switch
3/97	Power window switch driver's door
3/99	Switch front fog lamps
3/100	Lock unit driver's door
3/109	Trunk lid/fuel tank filler cover switch
3/110	Lock unit passenger door
3/144	Lock unit tailgate
3/167	Upper contact breaker left backrest
3/168	Upper contact breaker right backrest
3/169	Lower contact breaker left backrest
3/170	Lower contact breaker right backrest
4/3	Control module, cruise control
4/4	Rheostat
4/9	SRS Supplemental Restraint System Crash Sensor
4/16	ABS control module
4/19	Remote control unit central locking/alarm
4/22	Electronic start inhibitor (Immobilizer)
4/28	Control module AW 50-42
4/29	Control module left front seat
4/30	ECC climate control module
4/31	Power unit blower fan
4/33	Control module power sunroof
4/37	Control module right front seat
4/44	Ignition discharge module (IDM) and ignition coil
4/46	Engine control module (ECM)
5/1	Combined instrument panel
6/1	Windshield wiper motor
6/2	Washer motor front
6/3	Right headlamp wiper motor
6/4	Left headlamp wiper motor
6/9	Power window motor driver's door
6/11	Power window motor passenger door front
6/13	Driver's side power door mirror
6/14	Passenger side power door mirror
6/15	Sunroof motor
6/24	Vacuum pump, cruise control
6/25	Starter motor
6/26	Generator
6/28	Blower fan
6/29	Engine coolant fan (FC)
6/30	Washer motor rear windshield
6/31	Fuel pump (FP)/Fuel injection pump
6/32	Tailgate wiper motor
6/33	Fuel level sensor
6/33L	Fuel level sensor left
6/33R	Fuel level sensor right
6/34	Power antenna
6/37	Central locking motor
6/38	Headlamp height adjustment motor left
6/39	Headlamp height adjustment motor right
6/48	Servo motor recirculation shutter
6/50	Backrest motor left seat
6/51	Motor, up/down front edge of left front seat
6/52	Motor, up/down rear edge of left front seat
6/53	Motor, backward-forwards left front seat
6/54	Pulsed secondary air injection system (PAIR) pump
6/59	Power window motor left rear door
6/61	Power window motor right rear door

Index

ABS Anti-lock braking system 206
Accessory wiring 166
Additional heater 246
Alarm 152, 154
Automatic transmission 200, 202
Back-up (reversing) lamps 130
Blower fan 236
Cable harnesses 78-87
Cargo compartment fans 248
Central electrical unit 9
Central locking 212-223, 282-284
Cigarette lighter 150
Climate Control unit 238-245
Combined instrument panel 176-181
Connectors 26-58
Cool box wiring 168
Courtesy lighting 132, 134
Cruise control 104, 106, 256-261
ECC 242, 244
Electrical distribution 20, 22, 24
Electrically heated seats 230
Electronic park/neutral position (PNP) switch 156, 158
Engine cooling fan (FC) 100, 102
Engine management system 96
Exhaust temperature switch 250, 288
Feedback ..... last page of this manual
Fenix 5.2 88
Fog lamps 114, 116, 265
Fuel injection system 88, 92
Function diagrams 256-288
Fuses 6-8
Ground points 12-19
Hazard warning signal flashers 138, 140, 142, 266
Headlamp range adjustment 112
Headlamp washers 146, 267
Heated door mirrors 226, 286
Heated rear seat 232
Heated rear window 226, 286
High beam 110, 264
Horn 144
Ignition switch 9
Ignition system 88, 92
Immobilizer 156, 158
Instrument lighting 136
Junction points 59-77
Key warning 172, 174, 271
License plate lighting 118, 120, 122
Lighting for controls 136
List of components ..... see end of manual
Low beam 110, 264
MCC 238, 240
Motronic 4.3/4.4 92
MSA 15.7 96
On-board diagnostic system (OBD system) 160, 162
Parking light 118, 120, 122
Power door mirrors 228, 287
Power seats 234
Power sunroof 224, 285
Power supply 108, 262
Power windows 208, 210, 273
Radio 182-195
Rear view mirror 254
Relays 10
RTI Road Traffic Information 196, 198
Seat belt reminder 170, 172, 174, 270
Shift lock 204, 272
SRS Supplemental Restraint System 252
Standard heater 236
Starter system 108, 263
Stop (brake) lights 124, 126, 128
Tail lamps 118, 120, 122
Tailgate wash/wipe 148, 269
Tow hitch cable harness 164
TRACS 206
Turn signal indicator 138, 140, 142, 266
Windshield washers 146, 267

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