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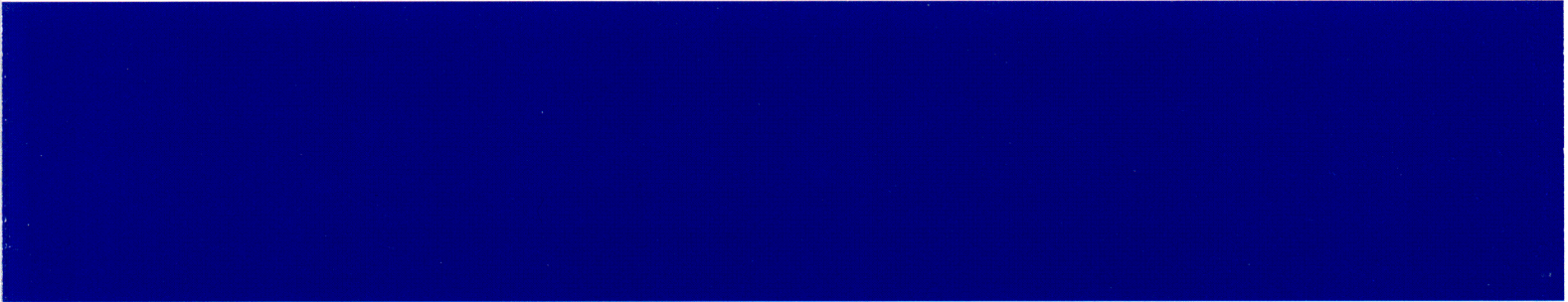
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Service Manual Cars

Section 3 (39)
Wiring diagram
S80 1999
Late version

TP 3942202



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. Read the relevant section! 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 to January 1999 included.

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

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

Contents

This manual cover the special electrical functions for the 1999 model year S80, late version. Service Manual TP 3939202 can be referred to when dealing with other parts of the electrical system.

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Order number TP 3942202
Supersedes TP 3942201

We reserve the right to make alterations without prior notification

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. The names of the components can be seen using the designations.

B. Type number

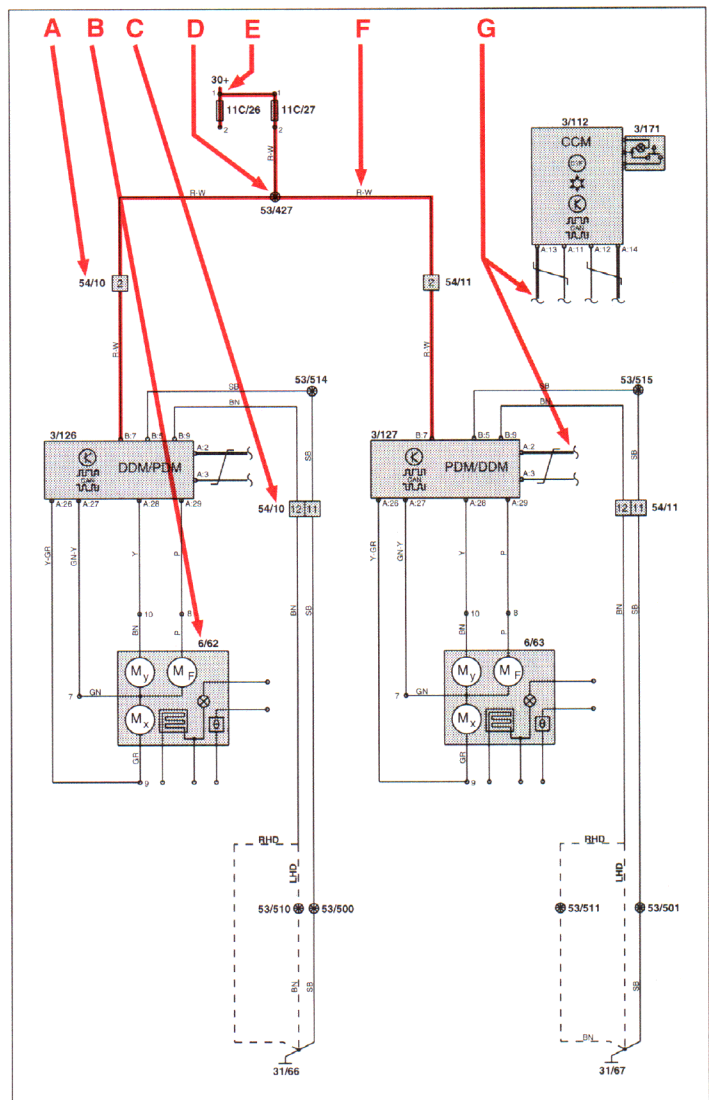
The first part of the component designation indicates which type of component it is, for example switch, electric motor, etc.

List of type numbers:

- 1 Battery
- 2 Relay
- 3 Electrical switch
- 4 Control module
- 5 Combined instrument panel
- 6 Electric motor
- 7 Sensor
- 8 Actuator
- 9 Heater element
- 10 Lamp
- 11 Fuse
- 15 Distribution rail, power supply
- 16 Radio
- 17 Service/diagnosis
- 18 Contact Reel
- 19 Gauge
- 20 Ignition component/resistor
- 23 Junction point
- 24 Connector
- 31 Ground terminal
- 34 Terminal block / -bridge
- C 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

- = System voltage
- = Ground terminal
- = Screened cable
- = Junction point
- = Twinned cables
- = Electrical connection
- = No electrical connection
- = Variant
- = CAN-communication
- = CAN high signal (CAN H)
- = CAN low signal (CAN L)

Abbreviations

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 USA and Canada
FIN	= Finland
GB	= United Kingdom
ISR	= Israel
J	= Japan
KOR	= Korea
N	= Norway
NL	= Holland
S	= Sweden
WEU	= Western Europe

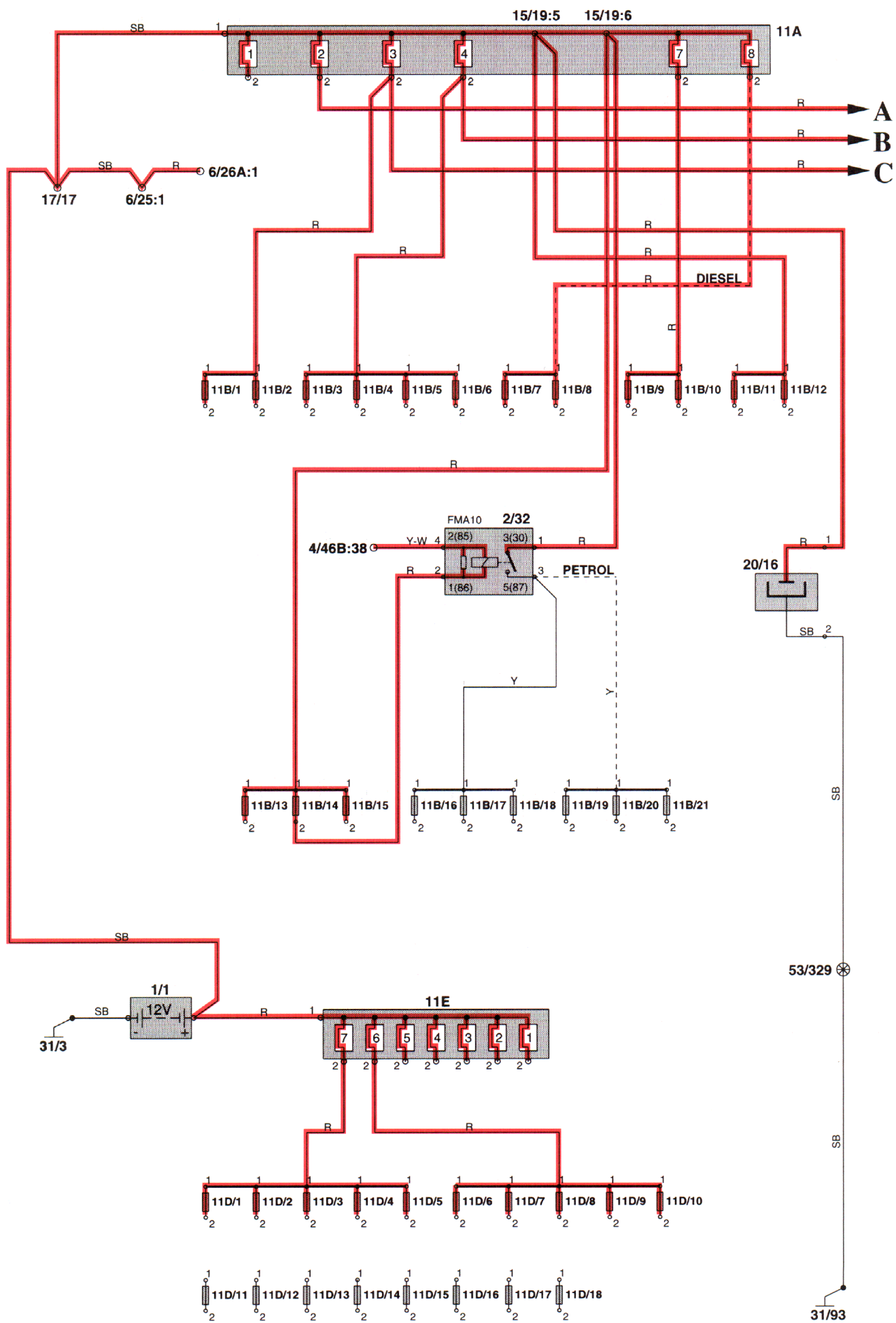
Colors

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

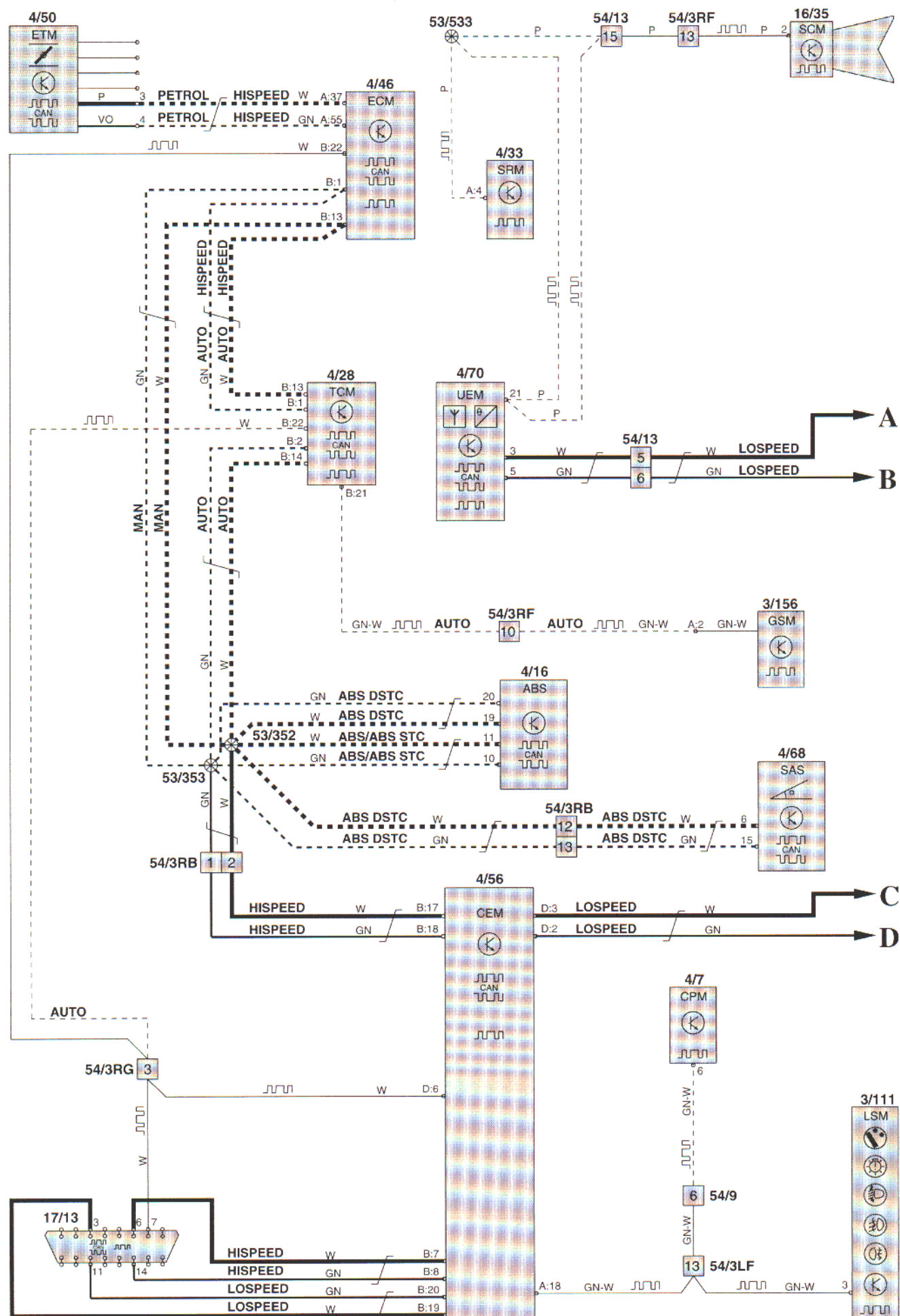
Other

ALTER	= Alternatively
AUTO	= Automatic transmission
AWD	= Four wheel drive
BOX	= Refer to breakout box
DIESEL	= Diesel engines
EARLY	= Early version
EXC	= Exclusive
EXT. X	= Extended X-supply
HI SPEED	= High speed network
IMMO	= Immobilizer
LATE	= Late version
LH	= Left-hand side
LHD	= Left hand drive
LO SPEED	= Low speed network
MAN	= Manual transmission
OTHERS	= Other
PETROL	= Gasoline engines
RH	= Right-hand side
RHD	= Right hand drive
TURBO	= Turbocharged engines
W/O	= Without
5CYL	= 5-cylinder engines
6CYL	= 6 cylinder engines

Electrical distribution

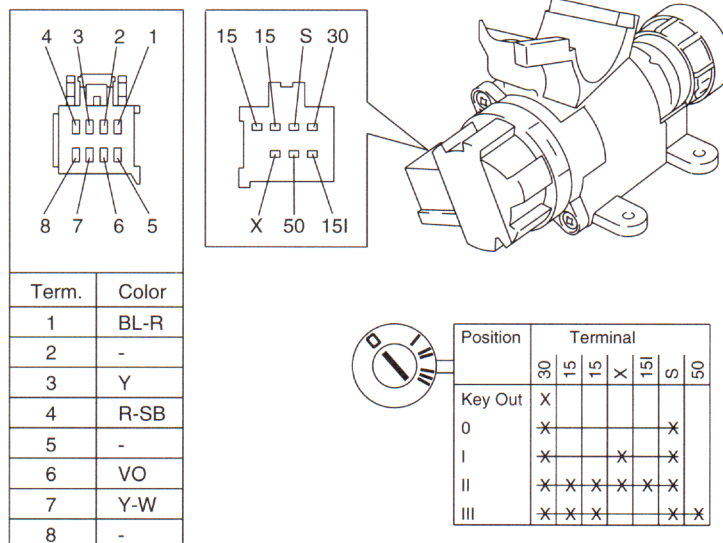


Data communication



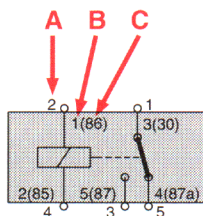
Ignition switch

3/1



Relays general

The relay locations are given two or three different designations in the wiring diagram. This is described below.

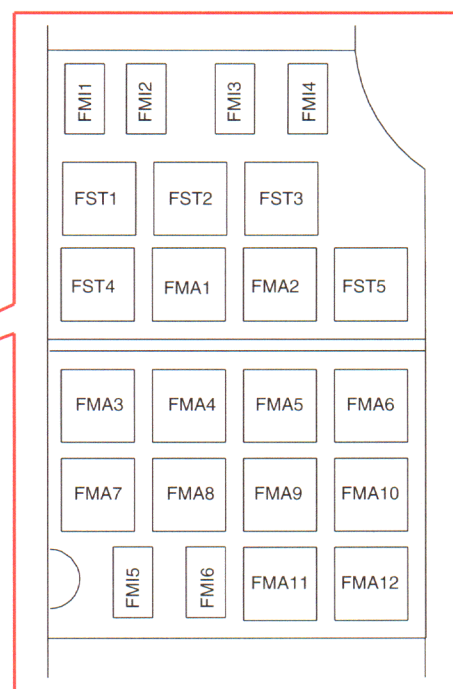
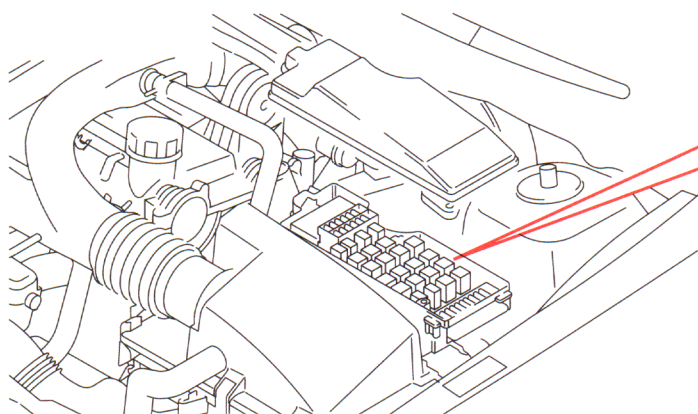


A= Corresponds to the position on the reverse of the relay box (cable side).

B= Corresponds to the position on the relay.

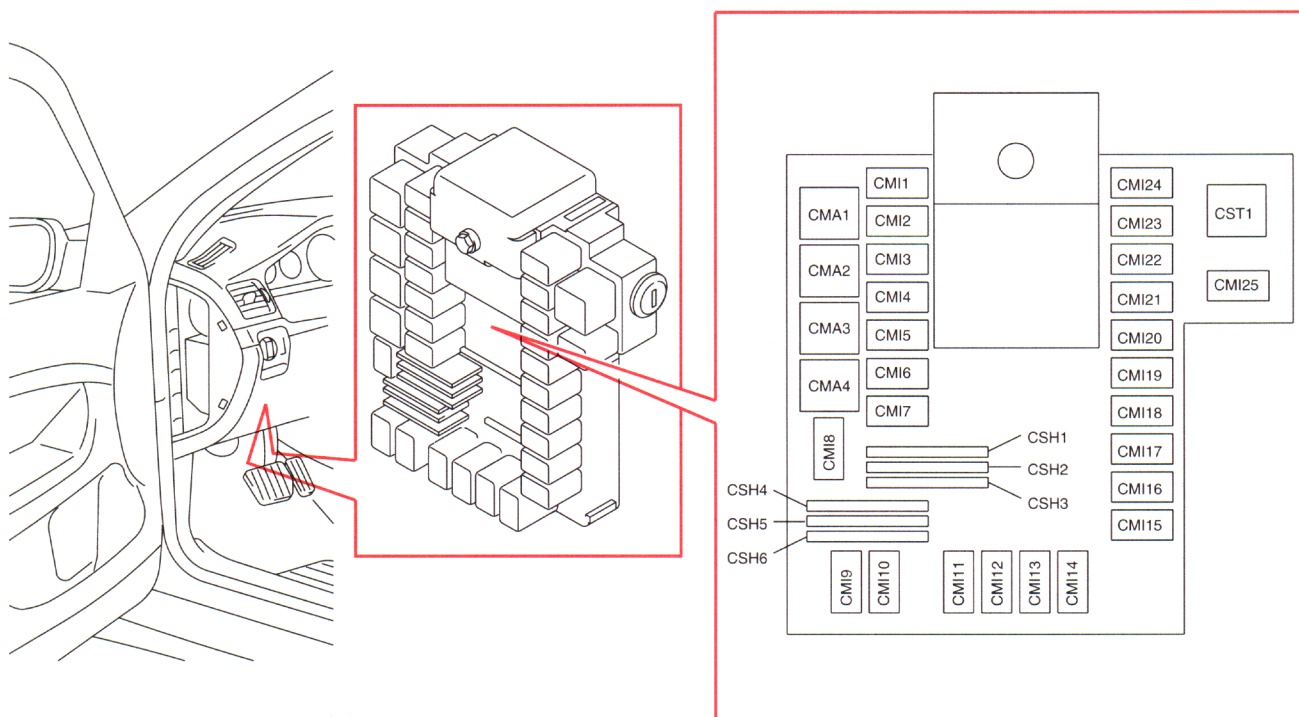
C= Is an old designation that may occur on the relay.

Relays in engine compartment



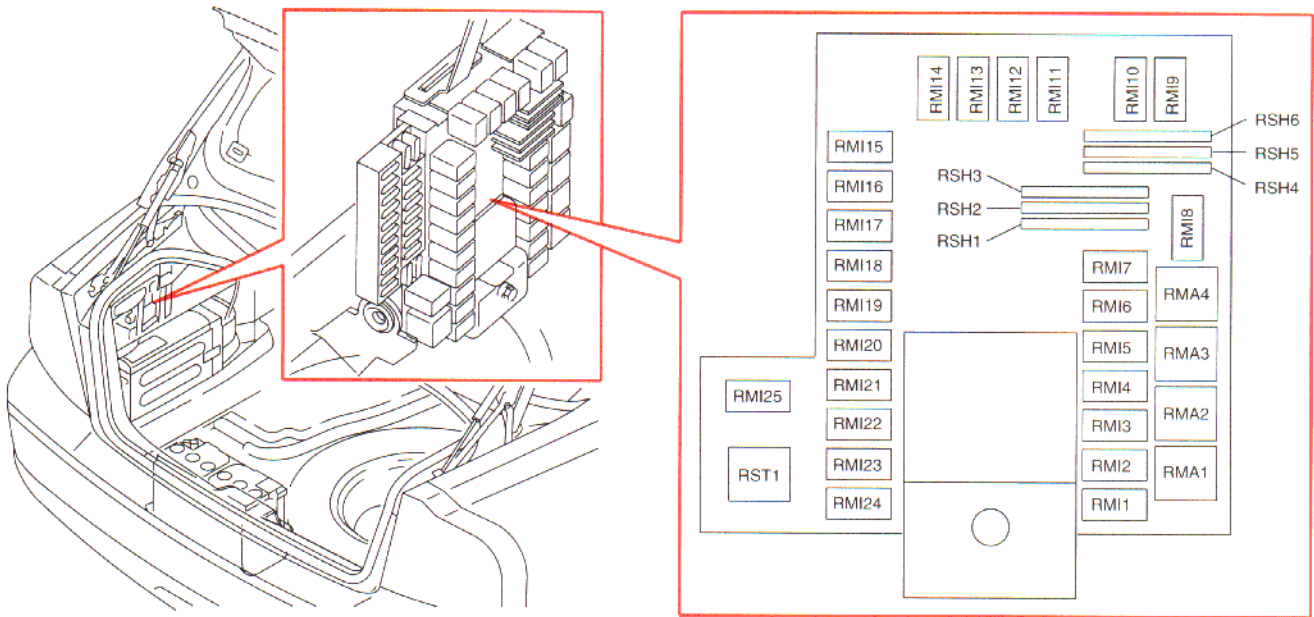
Location	Relay function
FMA1	Coolant heating plug relay 1 (2/74)
FMA2	Coolant heating plug relay 2 (2/109)
FMA3-6	-
FMA7	Glow plug relay (2/14)
FMA8-9	-
FMA10	Main relay engine management system (2/32)
FMA11	-
FMA12	Relay starter motor (2/35)
FMI1	Relay A/C (2/22)
FMI2-3	-
FMI4	Relay horn (2/17)
FMI5-6	-
FST1	Windshield wiper low-/high speed relay (2/90)
FST2-3	-
FST4	Intermittent windshield wiper relay (2/91)
FST5	Washer motor relay (2/92)

Relays in passenger compartment



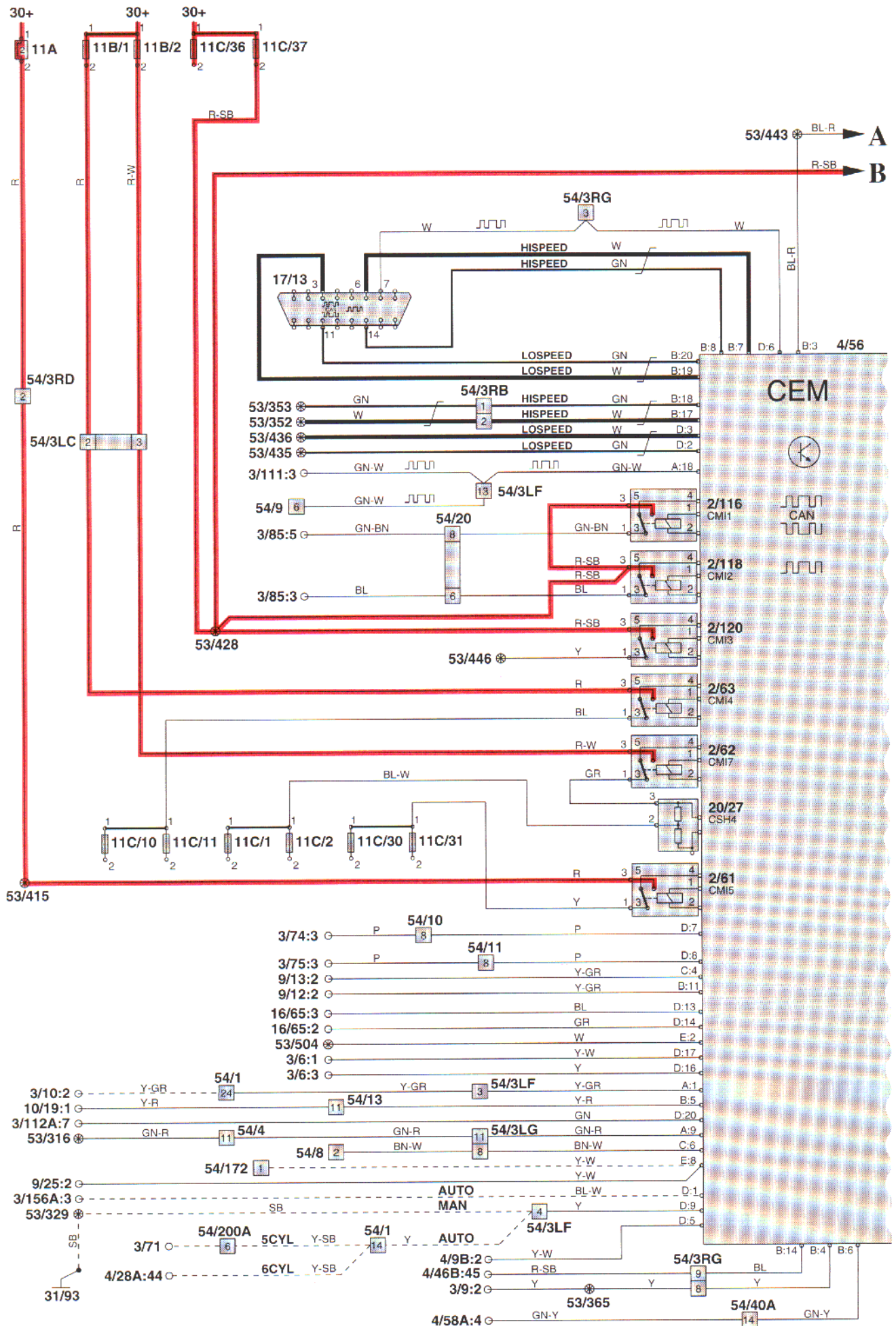
Location	Relay function
CMA1	-
CMA2	Overload relay X-supply (2/30)
CMA3	Overload relay 15-supply (2/31)
CMA4	-
CMI1	Relay power window up left rear (2/116)
CMI2	Power window down relay left rear (2/118)
CMI3	Power window child safety block relay rear doors (2/120)
CMI4	High beam relay (2/63)
CMI5	Parking lamps relay (2/61)
CMI6	-
CMI7	Low beam relay (2/62)
CMI8-10	-
CMI11	Front fog lamps relay (2/34)
CMI12	Fuel pump (FP) relay (2/23)
CMI13-20	-
CMI21	Increased X supply relay automatic transmission (2/101)
CMI22	Increased X supply relay (2/29)
CMI23	Power window down relay right rear (2/119)
CMI24	Power window up relay right rear (2/117)
CMI25	-
CSH1	Left turn signal lamp shunt CEM (20/32)
CSH2	Right turn signal lamp shunt CEM (20/34)
CSH3	-
CSH4	Low beam shunt CEM (20/27)
CSH5-6	-
CST1	-

Relays in cargo compartment

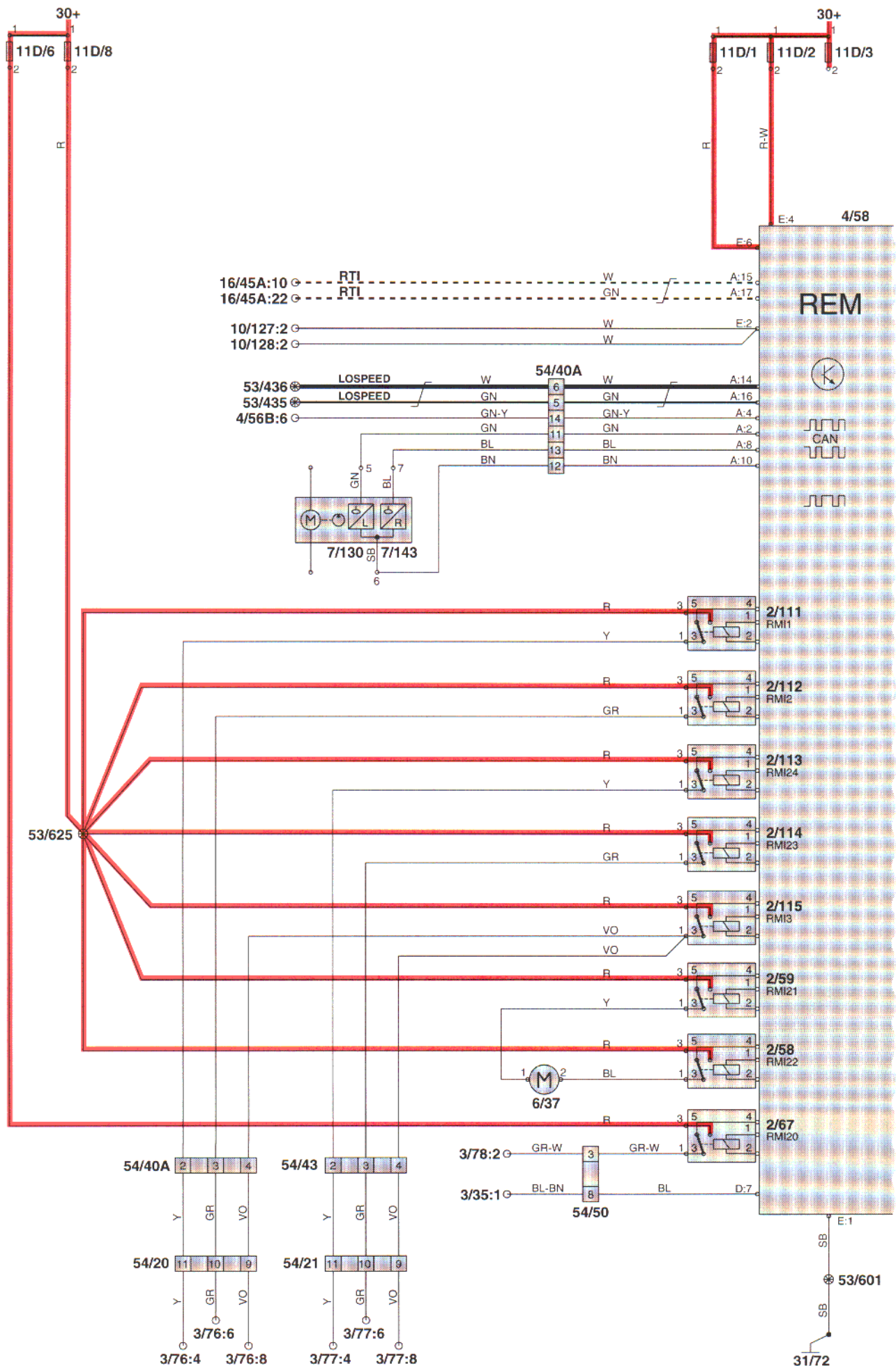


Location	Relay function
RMA1	15l-supply relay rear (2/52)
RMA2	-
RMA3	Rear windshield demist relay (2/82)
RMA4	-
RMI1	Central locking relay locking left rear (2/111)
RMI2	Central locking relay unlocking left rear (2/112)
RMI3	Central locking relay deadlock rear doors (2/115)
RMI4	Back-up (reversing) lamp relay (2/80)
RMI5	Stop (brake) lamp relay (2/79)
RMI6	Rear fog lamp relay (2/49)
RMI7	Trailer fog lamp relay (2/83)
RMI8-10	-
RMI11	Seeker P0 relay (2/136)
RMI12	Seeker P1 relay (2/137)
RMI13	-
RMI14	Rear folding head restraint relay (2/75)
RMI15-19	-
RMI20	Trunk lid opening relay (2/67)
RMI21	Fuel tank filler cover unlocking relay (2/59)
RMI22	Fuel tank filler cover locking relay (2/58)
RMI23	Central locking relay unlocking right rear (2/114)
RMI24	Central locking relay locking right rear (2/113)
RMI25, RSH1	-
RSH2	Fog lamp shunt REM (2/29)
RSH3	-
RSH4	Parking lamp shunt REM (20/28)
RSH5	Parking / tail lamp shunt REM (20/33)
RSH6	Stop (brake) lamp shunt REM (20/31)
RST1	-

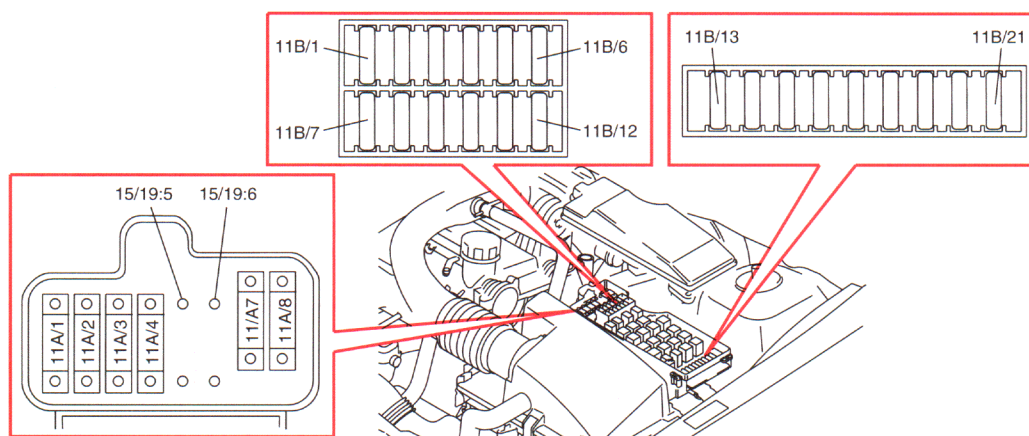
Electronic connection Central electronic module (CEM)



Electronic connection Rear electronic module (REM)



Fuses in engine compartment



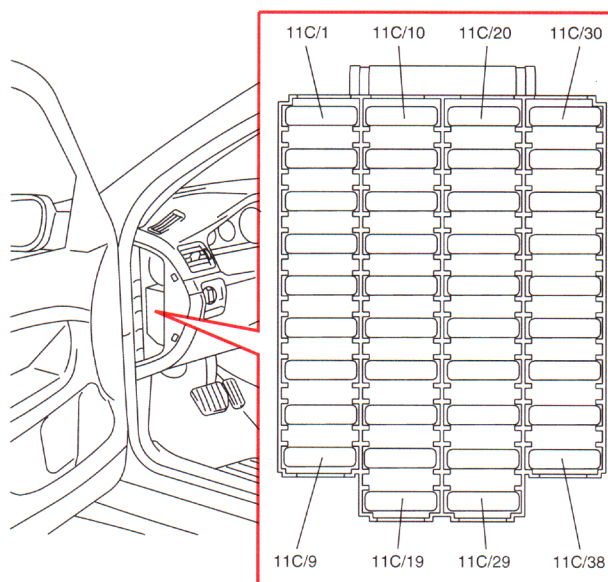
Main fuses, 11A, in the integrated relay/fusebox

No.	Fuse function	A
1	Glow plugs (Diesel)	60
2	Fuses 11C/32-38, Fuses 11C/30-31 (via parking lamp relay)	60
3	Fuses 11B/1-2, 11C/3-6 and 11C/16-19, Fuses 11C/8-9 (via overload relay 15+), Fuses 11C/12-15 (via overload relay X+)	60
4	Fuses 11B/3-6 and 11C/20-28	60
5-6	-	
7	Engine cooling fan (FC), Fuses 11B/9-10	60
8	Fuses 11B/7-8	60

Fuses, 11B, in the integrated relay/fusebox

No.	Fuse function	A
1	Fuses 11C/10-11 (via high beam relay)	20
2	Fuses 11C/1-2 (via low beam relay and shunt low beam)	15
3	Stop (brake) lamp switch	5
4	Windshield wiper	25
5	Headlamp wiper / washer, Windshield washer	15
6	-	
7	Heater plug coolant	30
8	Heater plug coolant	30
9	Additional heater control module, (Parking heater)	25
10	(Auxiliary lamps)	
11	ABS braking system	30
12	ABS braking system	30
13	Starter motor	25
14	Engine control module (ECM), Main relay engine management system	5
15	Horn	15

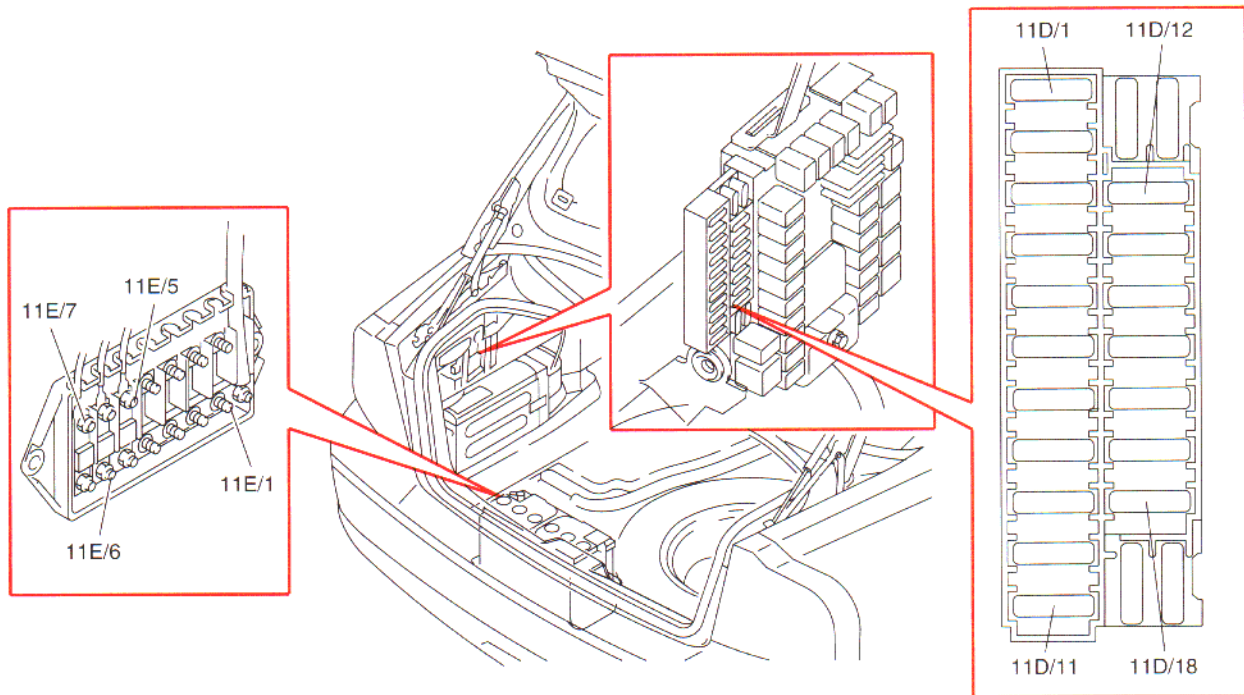
Fuses in the passenger compartement



Fuses, 11C, in the fusebox

No.	Fuse function	A
23	Electrical switch module lights (LSM), Data link connector (DLC) Electrical switch module climate control (CCM)	5
24	Via Relay increased X-supply : Electrical switch module climate control (CCM), Combined instrument panel (DIM), Power driver's seat, Geartronic, Shift lock, Additional heater control module, (Parking heater)	10
25	Via ignition switch: Starter motor relay, Engine control module (ECM), Central electronic module (CEM), Fuse 11C/7, SRS control module, Antenna ring	10
26	Blower fan control module	30
27	Via Front door switch modules (DDM/PDM): Central locking, Power windows, Door open warning lamps, Heated door mirrors, Power door mirrors, Door mirror lighting	15
28	Roof lighting, Upper electronic control module (UEM), Courtesy light electrical switch module, Vanity mirror lighting	10
29	Alarm siren	5
30	Side marker lamp left front, Left parking lamp front, Parking lamps rear	10
31	Side marker lamp right front, Right parking lamp front, Parking / tail lamps, License plate lighting	10
32	Fuse 11C/29, Via Central electronic module (CEM): Interior lighting, Electronic power steering, Rear door open warning lamps	10
33	Fuel pump (FP)	15
34	Sun roof	15
35	Via left door switch module (DDM/PDM): Central locking, Power window, Heated door mirror, Power door mirror, Door mirror lighting, Door open warning lamp	25
36	Via right door switch module (PDM/DDM): Central locking, Power window, Heated door mirror, Power door mirror, Door mirror lighting, Door open warning lamp	25
37	Rear power windows, Child safety block	30
38	-	

Fuses in cargo compartment



Main Fuses, 11E, at battery

No.	Fuse function	A
1	(Accessory)	
2	-	
3	-	
4	-	
5	Rear demist	40
6	Fuses 11D/6-10	40
7	Fuses 11D/1-5	40

Fuses, 11D, in the integrated relay/fusebox

No.	Fuse function	A
1	Rear electronic module (REM), Via rear electronic module (REM): Cargo compartment lighting	10
2	Via Rear electronic module (REM): Fog tail lamp	10
3	Stop (brake) lamp	15
4	Back-up (reversing) lamp	10
5	-	
6	Trunk lid opening	10
7	Fold down head restraint	10
8	Central locking rear doors, Fuel tank filler cover unlocking	15
9	(Tow hitch)	20
10	Anti-theft alarm (ISR), CD changer, RTI CD-ROM player, RTI control module, (Accessories)	10
11-18	-	

Junction points

For the location of the junction points refer to the section
"Routing of cable harnesses in the car", pages 48 -59.

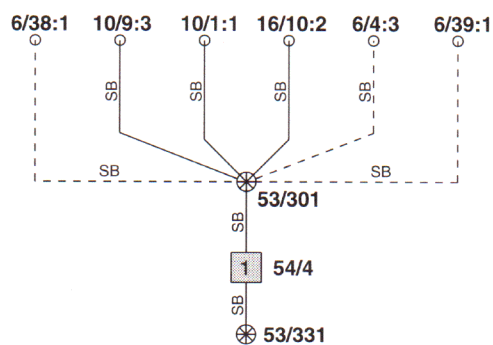
53/301 (Cable harness front)

53/303 (Cable harness front)

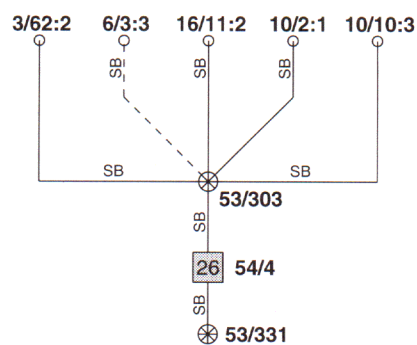
53/307 (Cable harness engine compartment)

53/310 (Cable harness soft front)

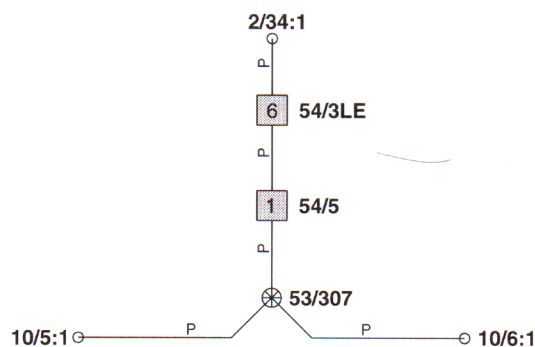
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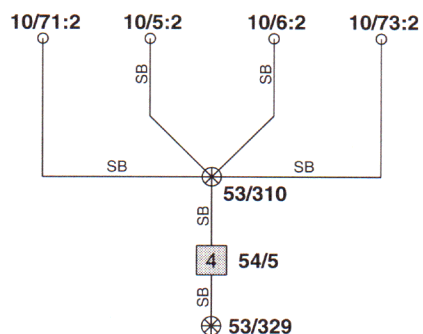
53/303



53/307

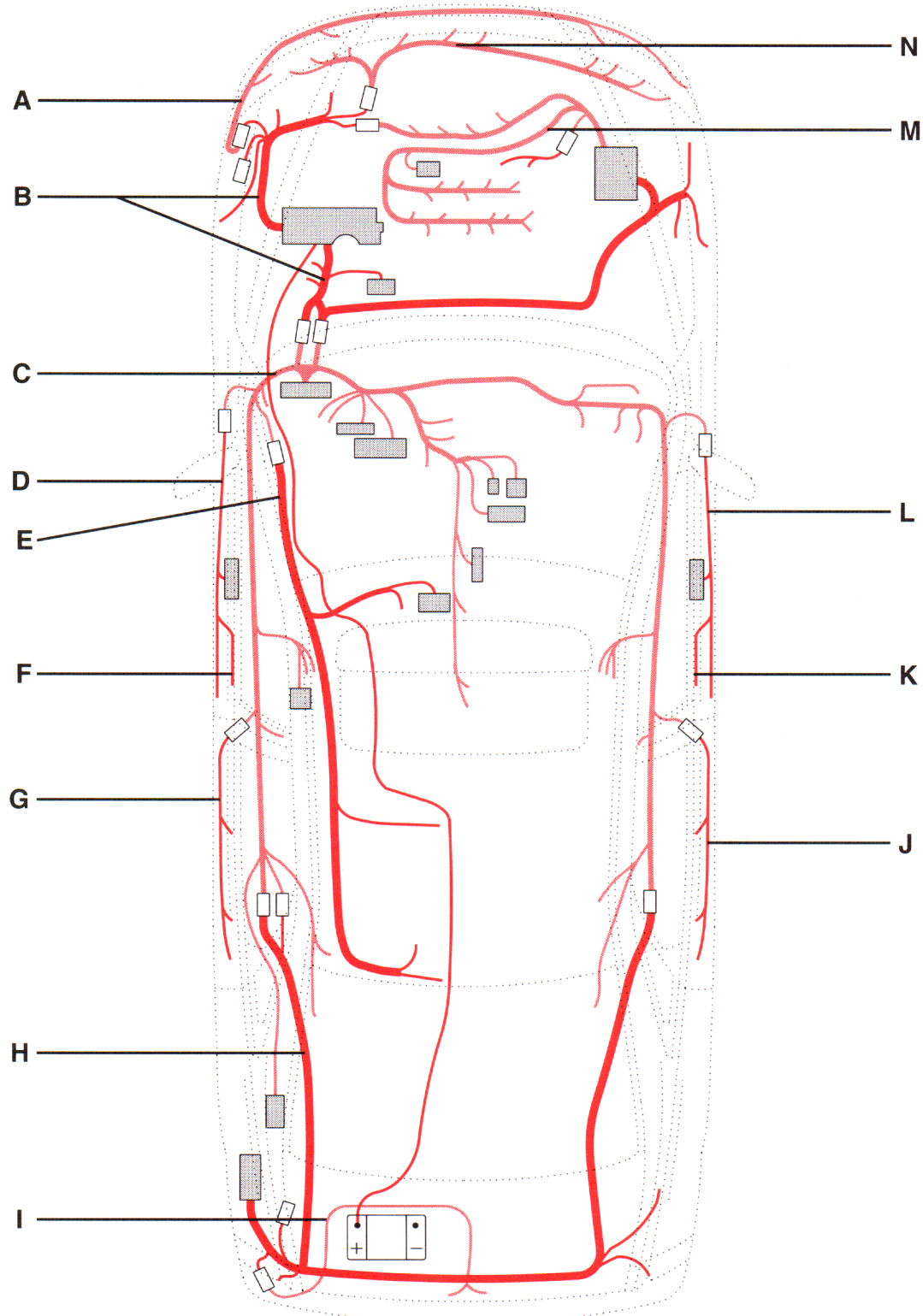


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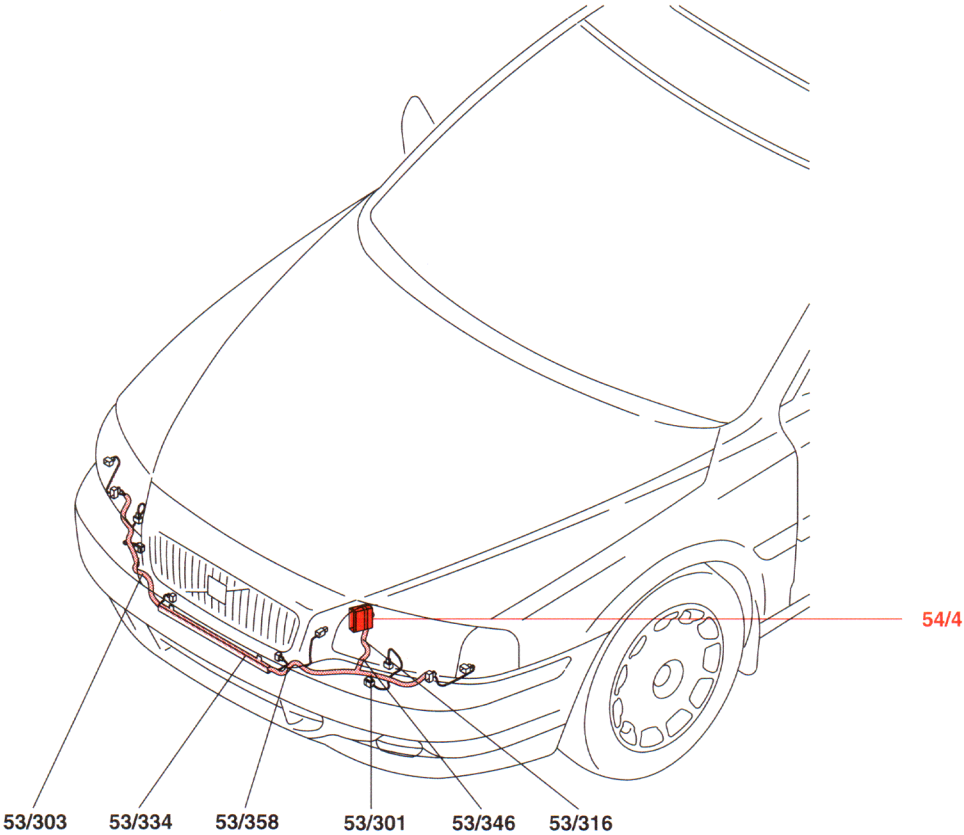
Cable harnesses overview

A	Soft front cable harness	H	Cargo compartment cable harness
B	Engine compartment cable harness	I	Trunk lid cable harness
C	Passenger compartment cable harness	J	Right rear door cable harness
D	Left front door cable harness	K	Right door panel cable harness
E	Roof cable harness	L	Right front door cable harness
F	Left door panel cable harness	M	Engine cable harness
G	Left rear door cable harness	N	Front cable harness

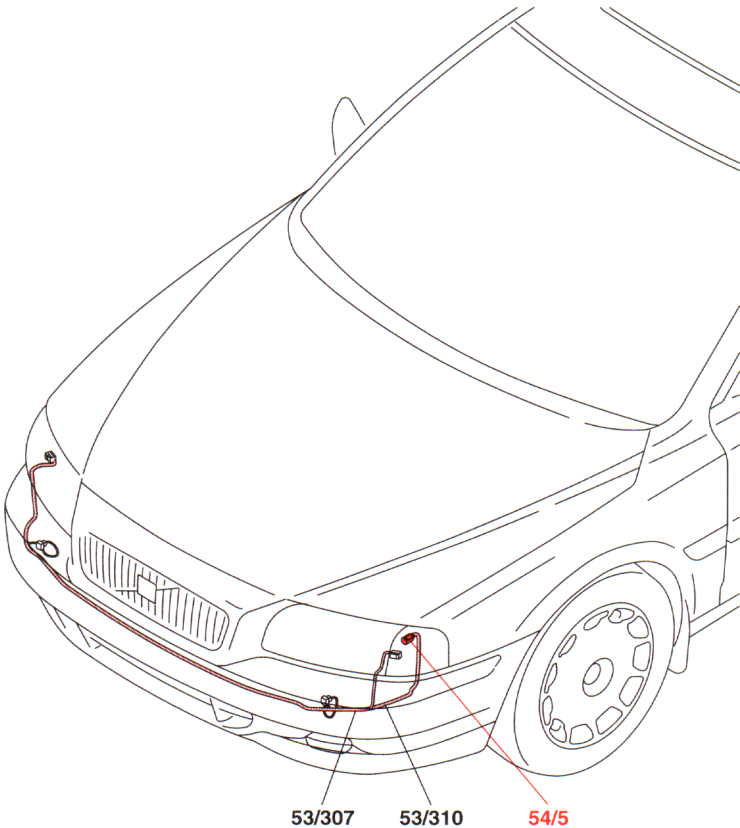


Routing of cable harnesses in the car

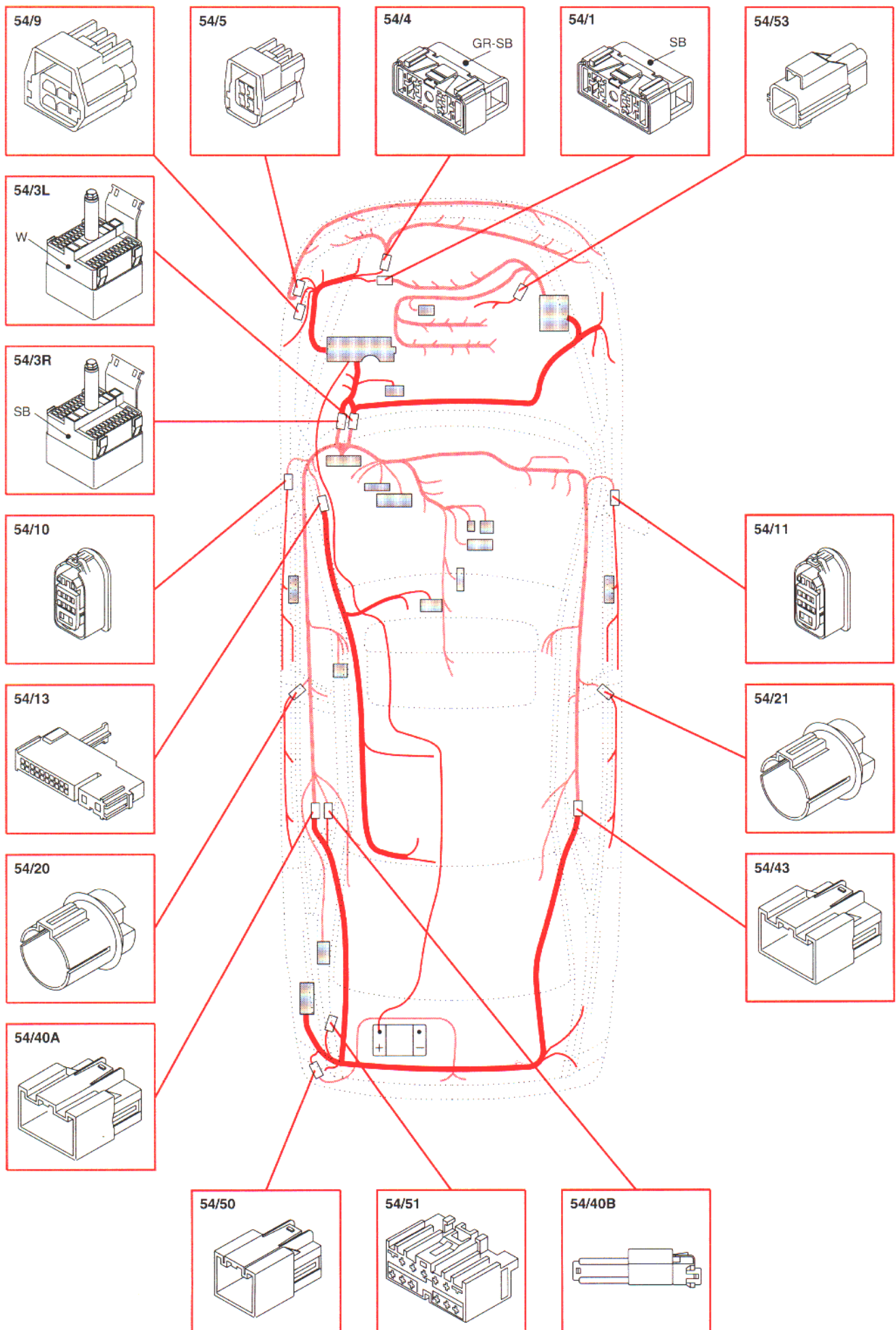
Front cable harness

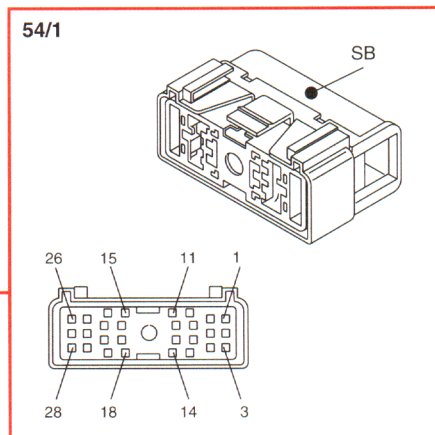
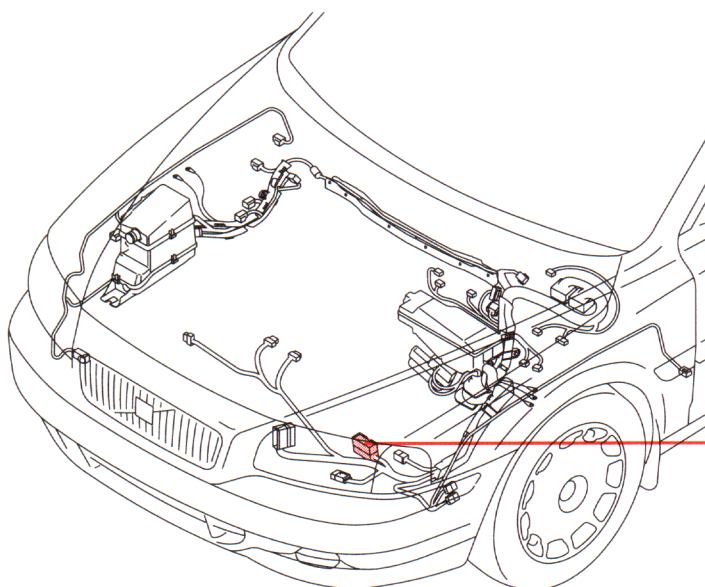


Soft front cable harness



Connectors - overview

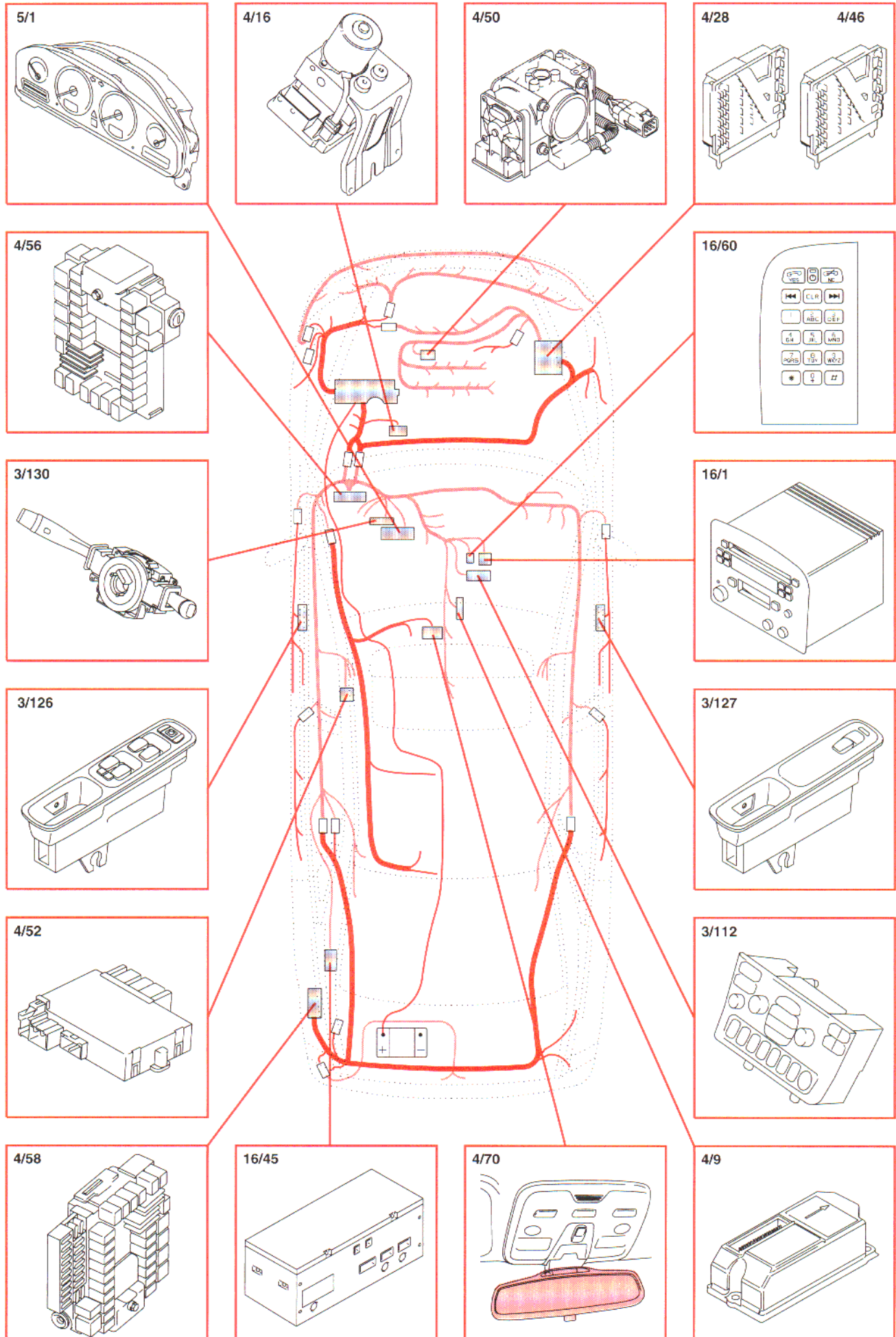




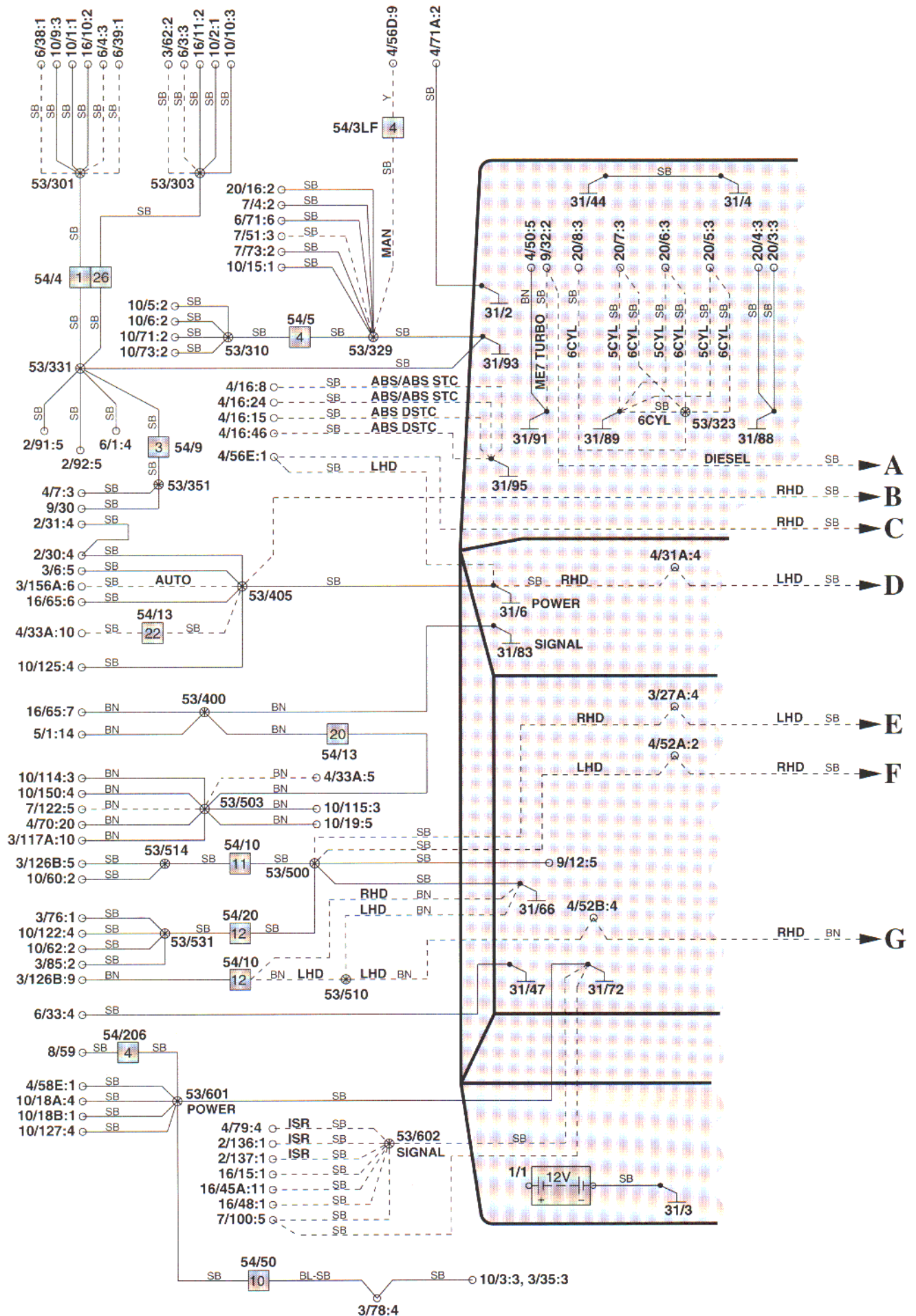
54/1 Black 28-pin connector Engine compartment cable harness - engine cable harness

Term.	Female	Male	Color
1	Starter motor relay terminal 3	Starter motor connector 50	GN-R
2	Fuse 11B/20:2	Via junction point 53/357: Canister purge (CP) valve terminal 1 Camshaft reset valve terminal 1 Turbocharger (TC) control valve connector 1 PTC resistor air preheating terminal 1	GN-GR
3-4	-	-	-
5	Connector 54/3LF:2	Generator (GEN) connector B:1	R-W
6	Fuse 11B/16:2 (via 53/305)	Transmission control module (TCM) A:35	BL-GN
7-13	-	-	-
14	Connector 54/3LF:4	Transmission control module (TCM) A:44 (6cyl) Gear shift position switches (via 54/200:6) (5cyl)	Y
15-20	-	-	-
21	Coolant heater relay 2 terminal 4	Engine control module (ECM) terminal A:12	GN-OR
22	Coolant heater relay terminal 4	Engine control module (ECM) terminal A:11	GN-GR
23	Relay A/C terminal 3	Magnetic clutch A/C	GR
24	Connector 54/3LF:3	Back-up (reversing) lamp switch terminal 2	Y-GR

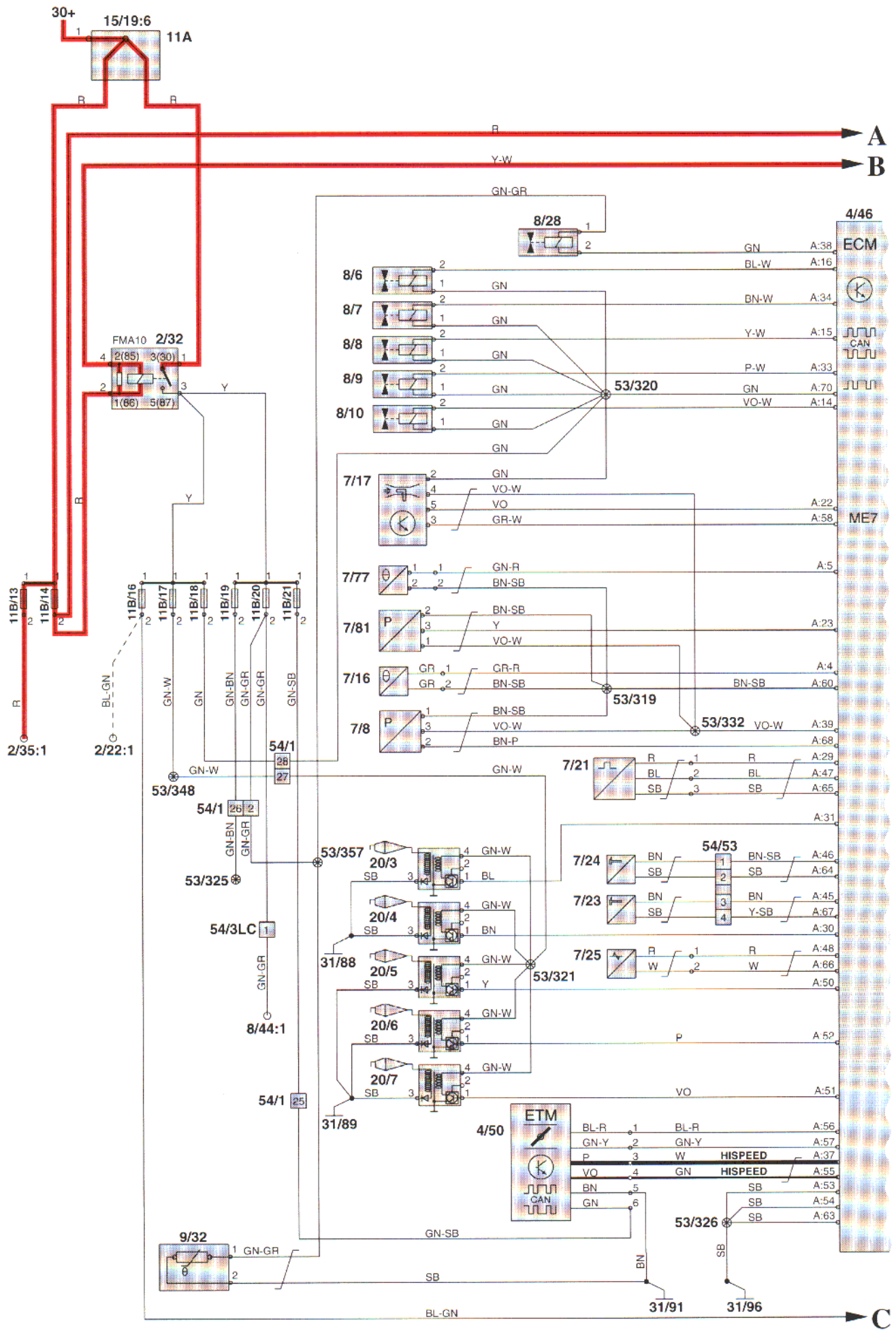
Control modules overview



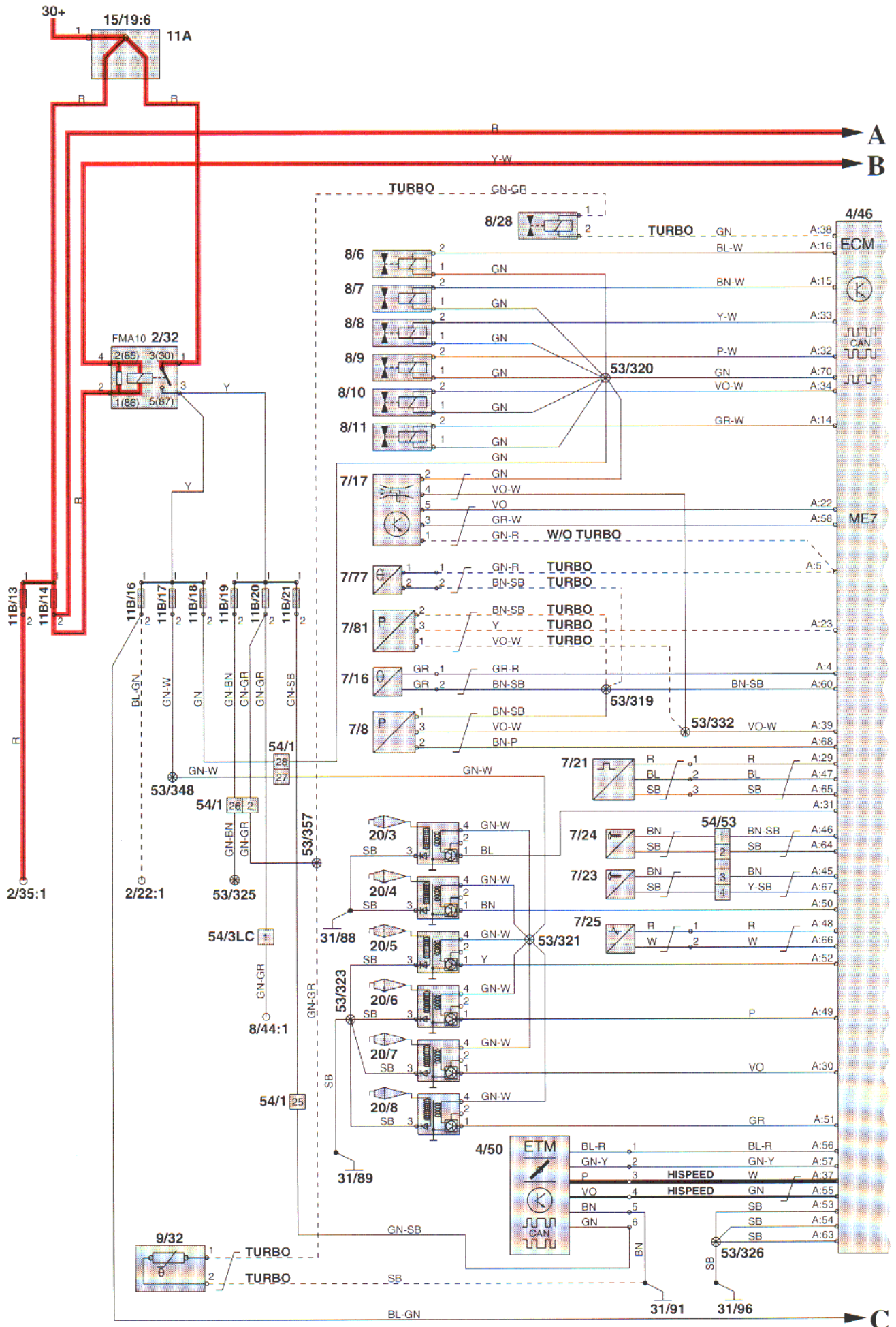
Ground terminals



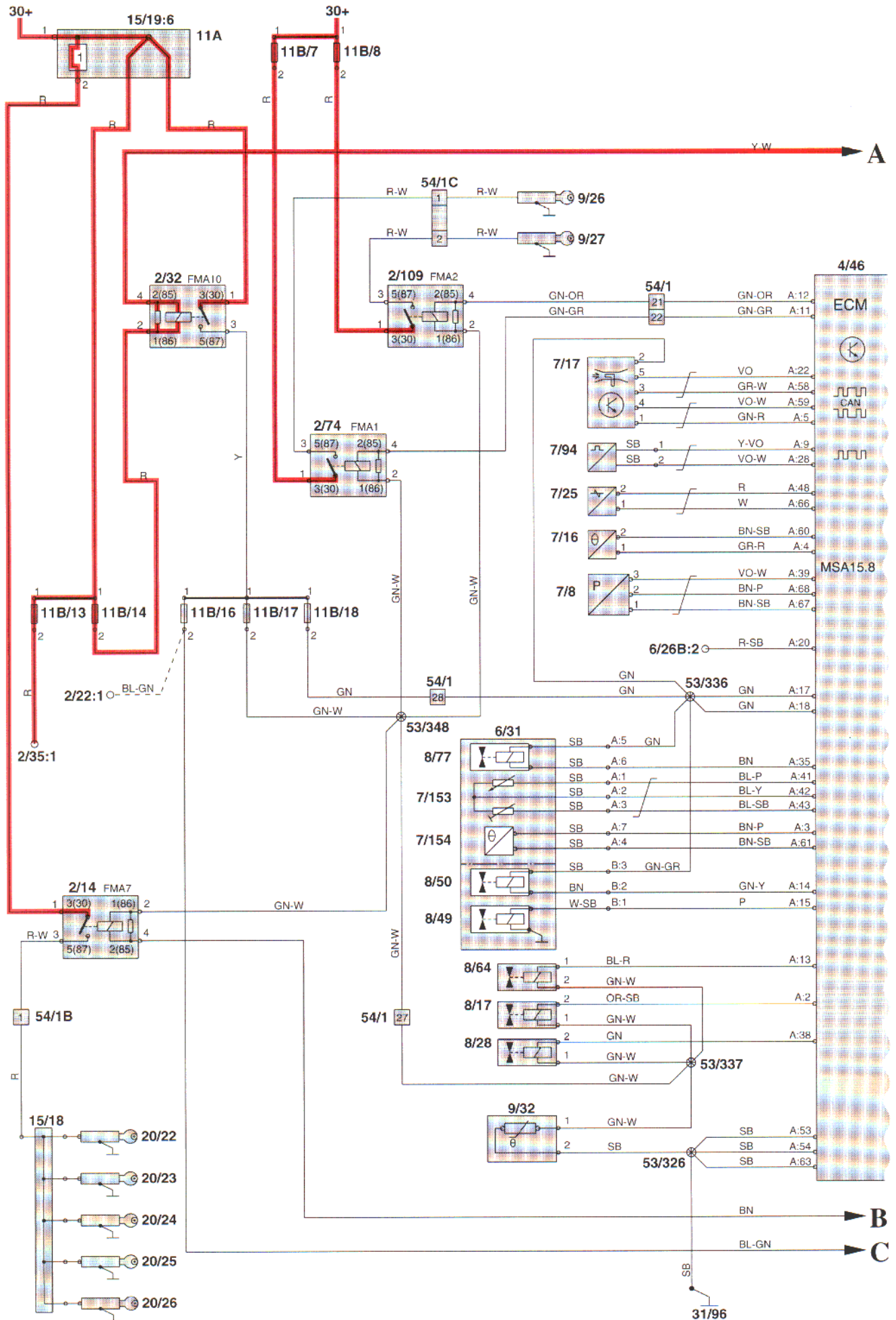
Engine management system
ME7, 5 cylinder engines



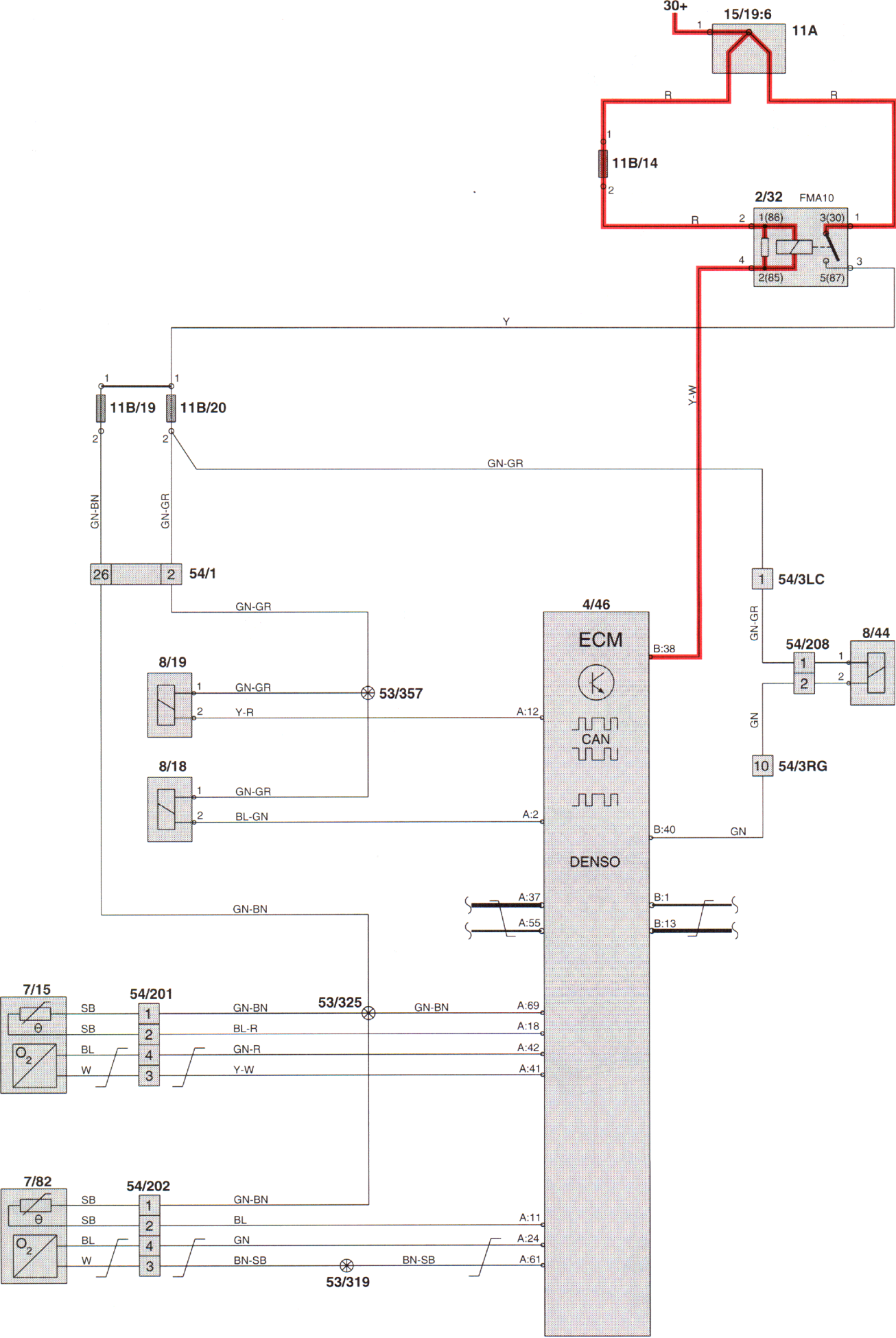
Engine management system ME7, 6 cylinder engines



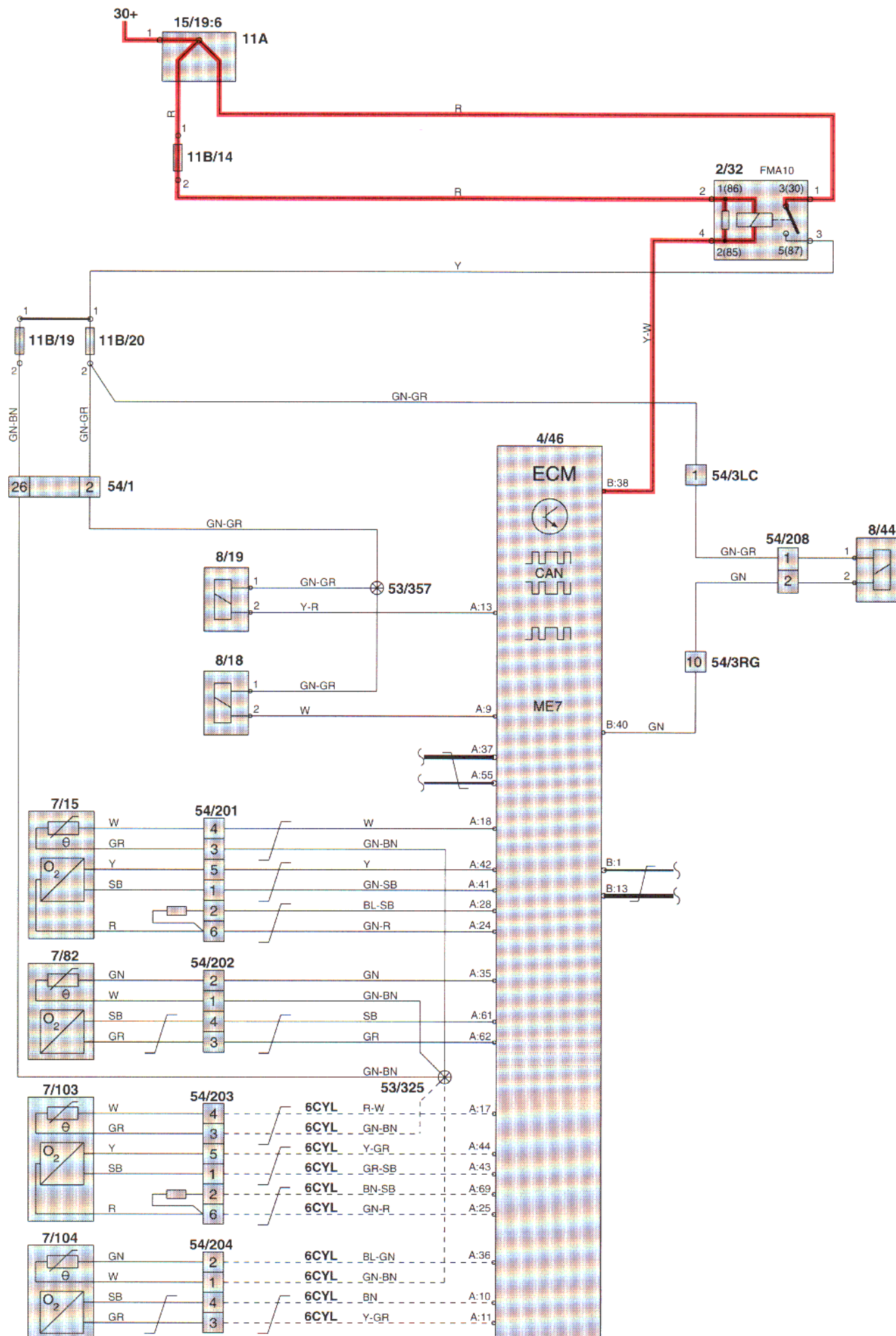
Engine management system MSA 15.8



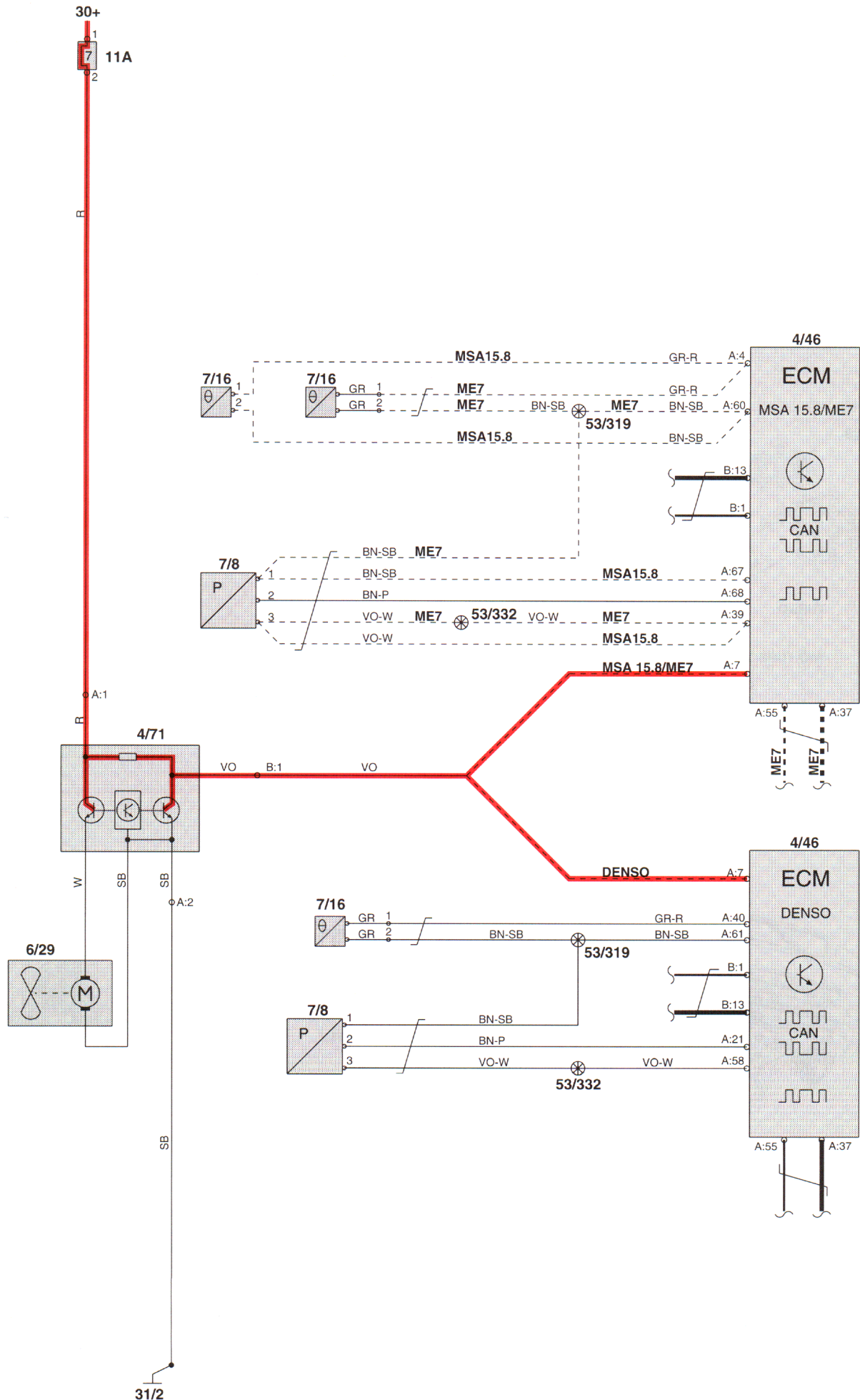
Emissions control
Denso



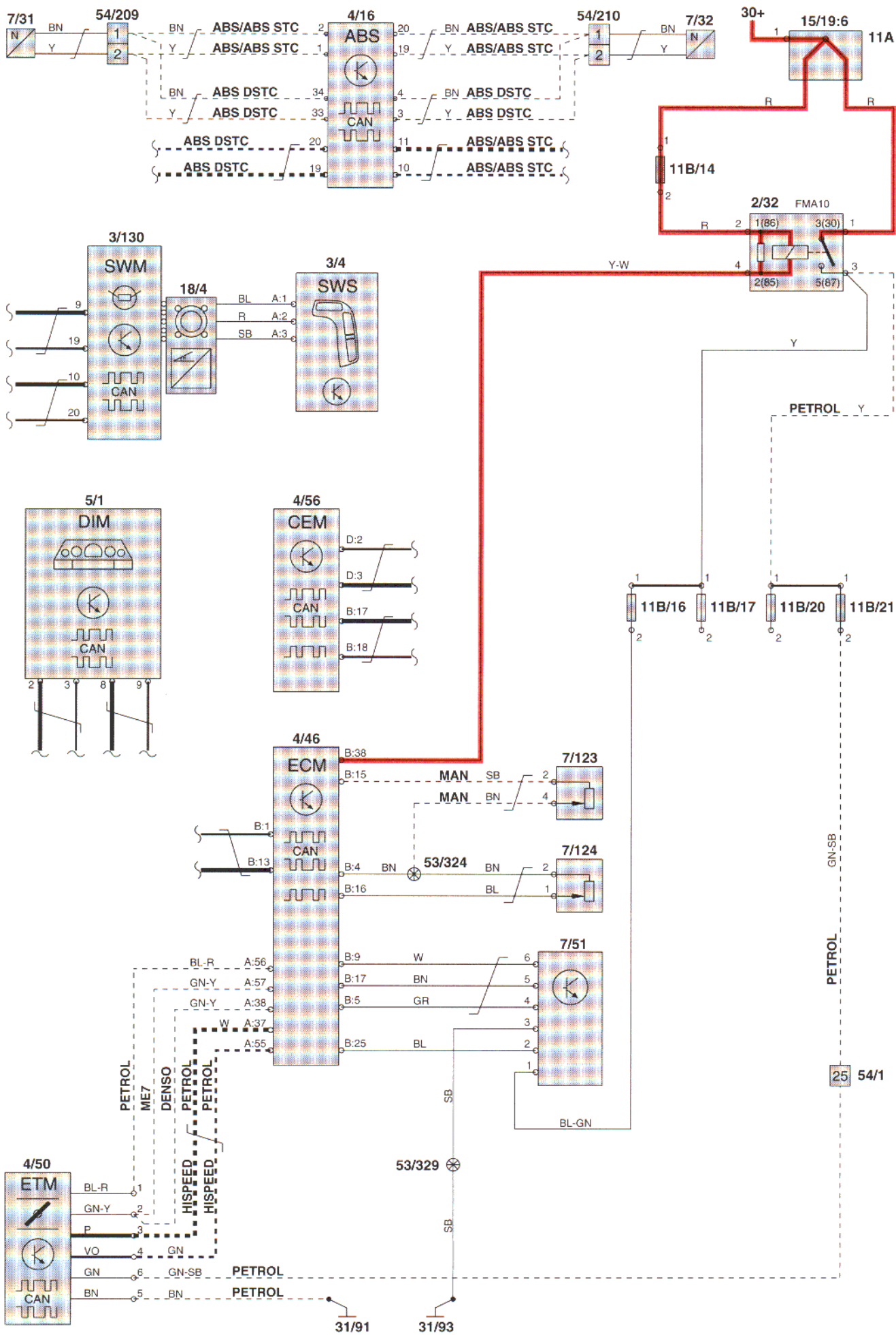
Emissions control ME7



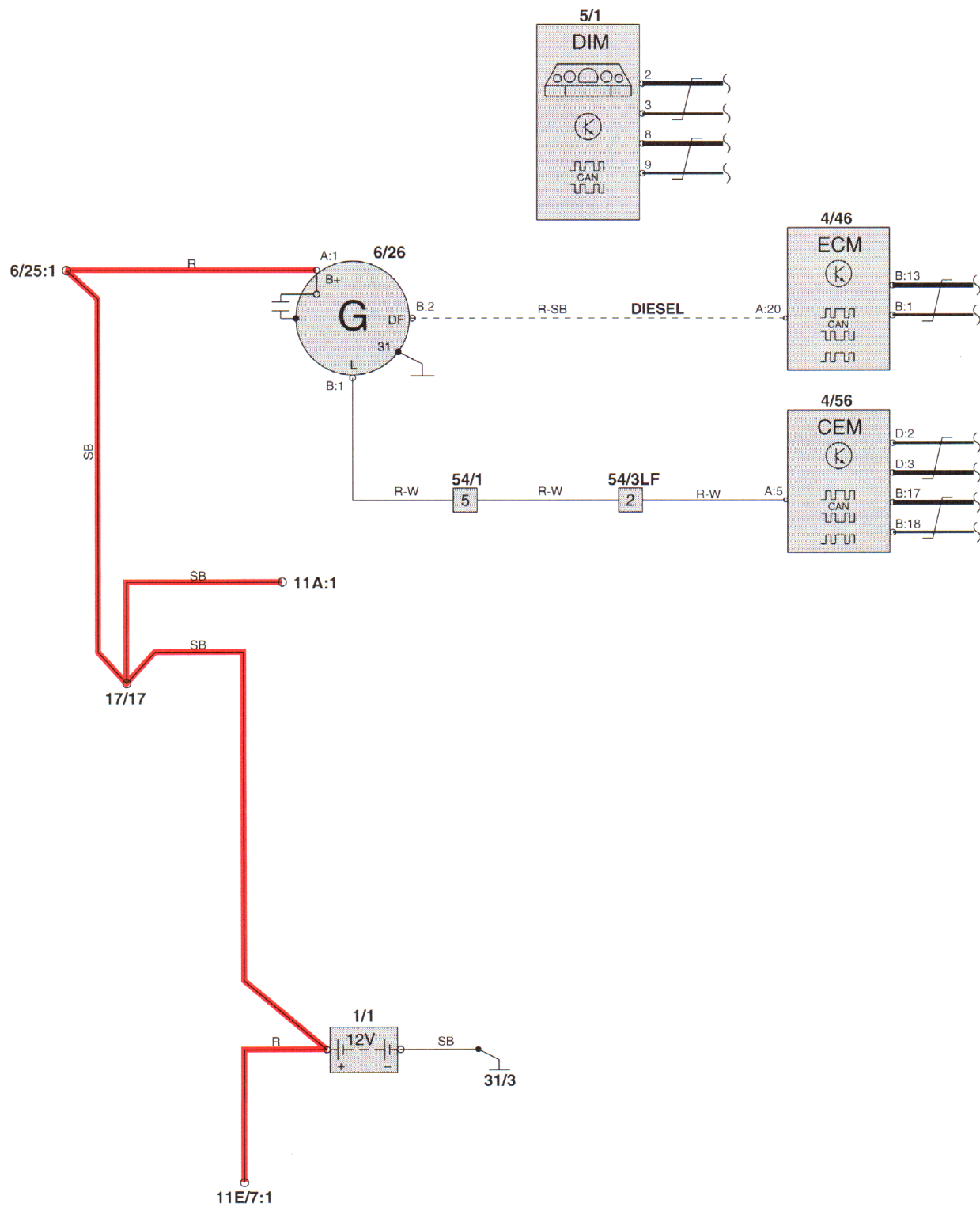
Engine cooling fan (FC)



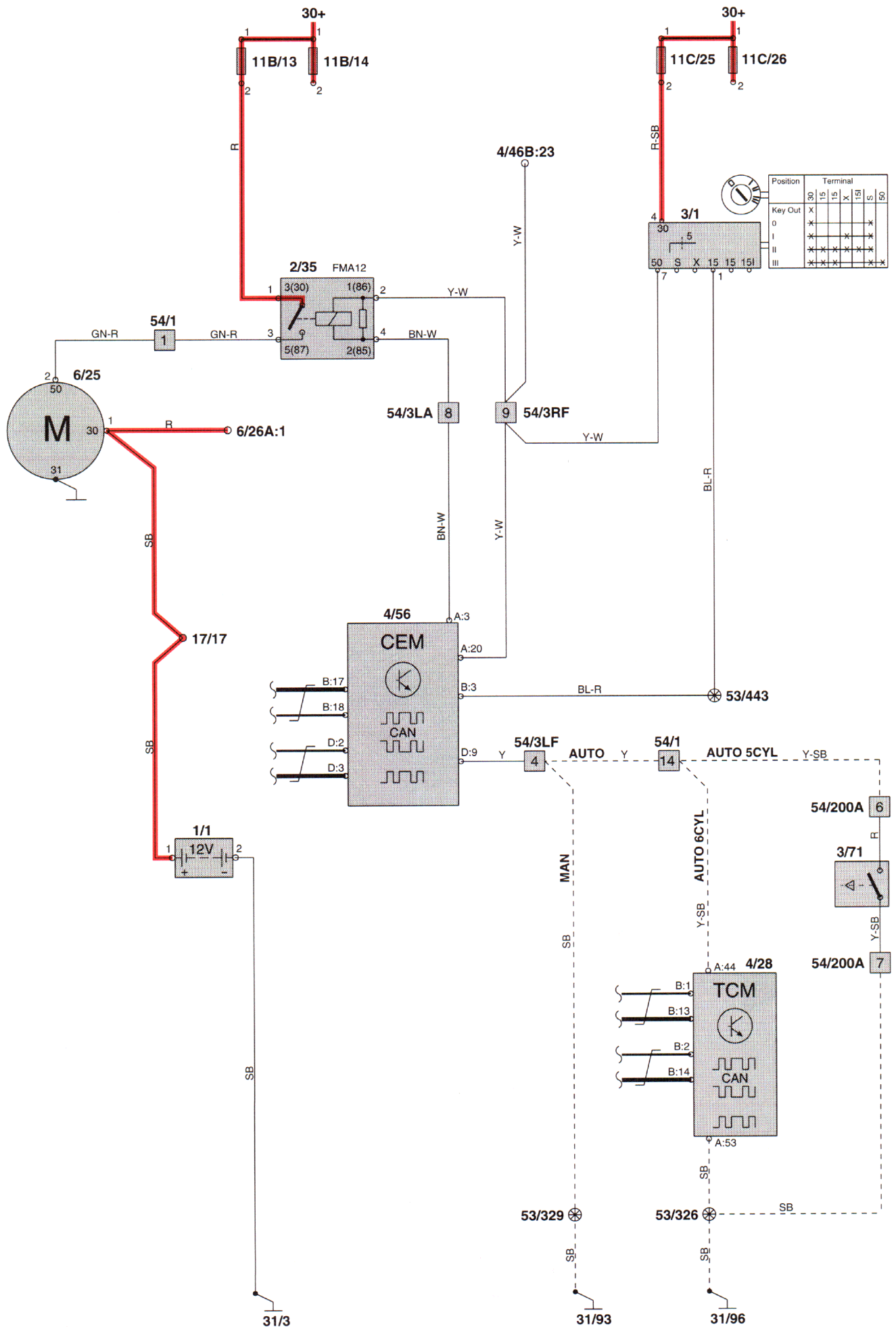
Cruise control



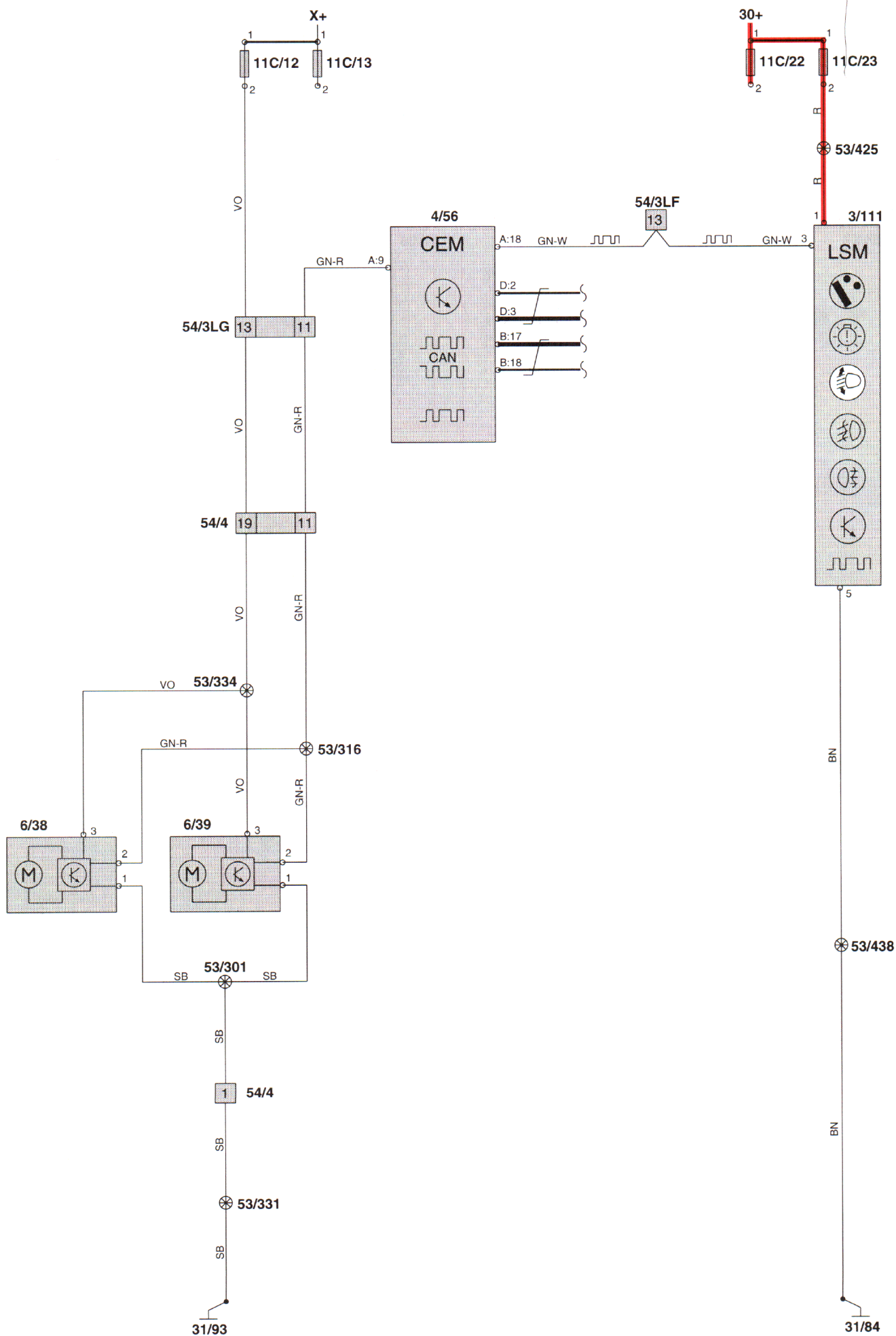
Power supply



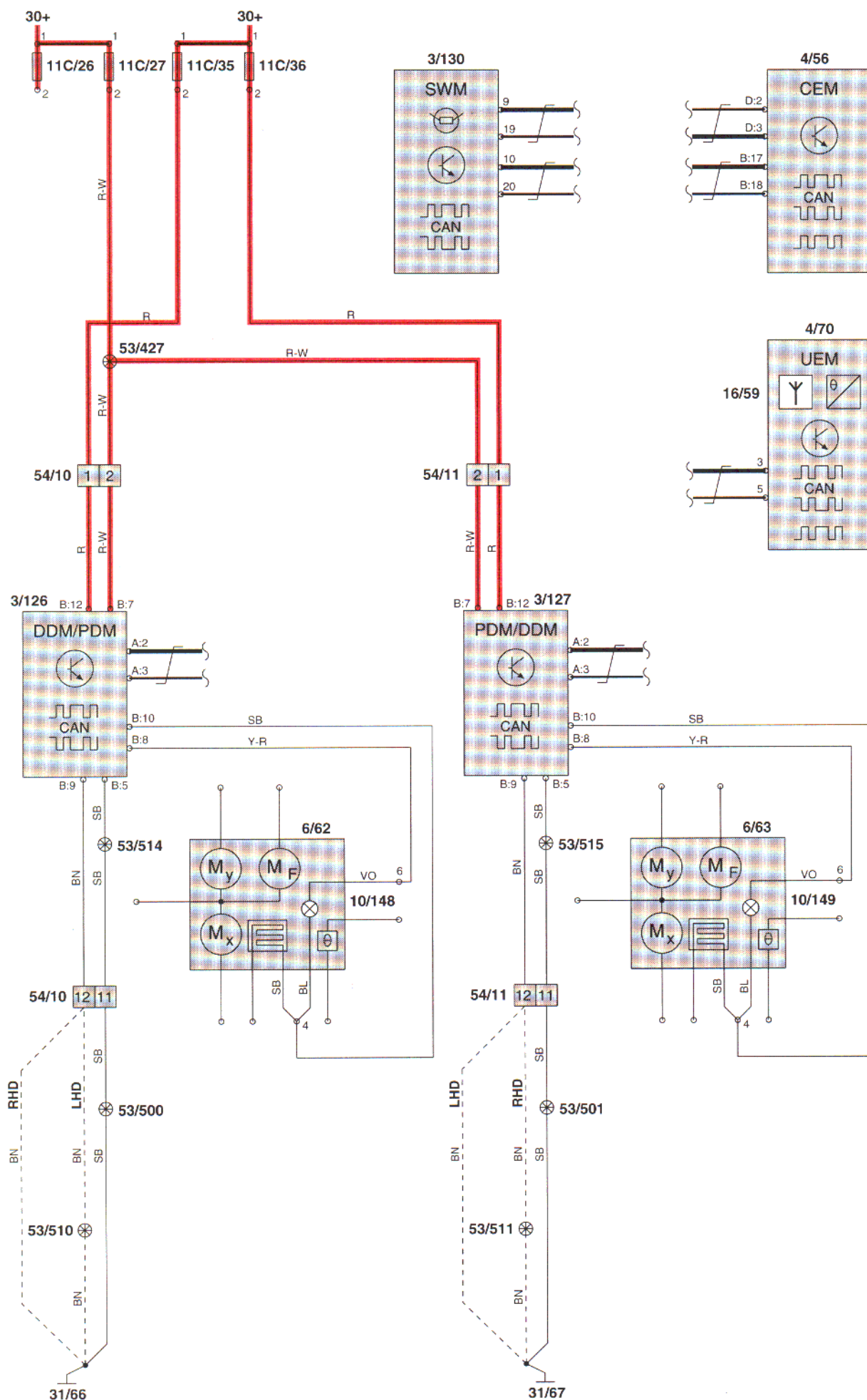
Starter system



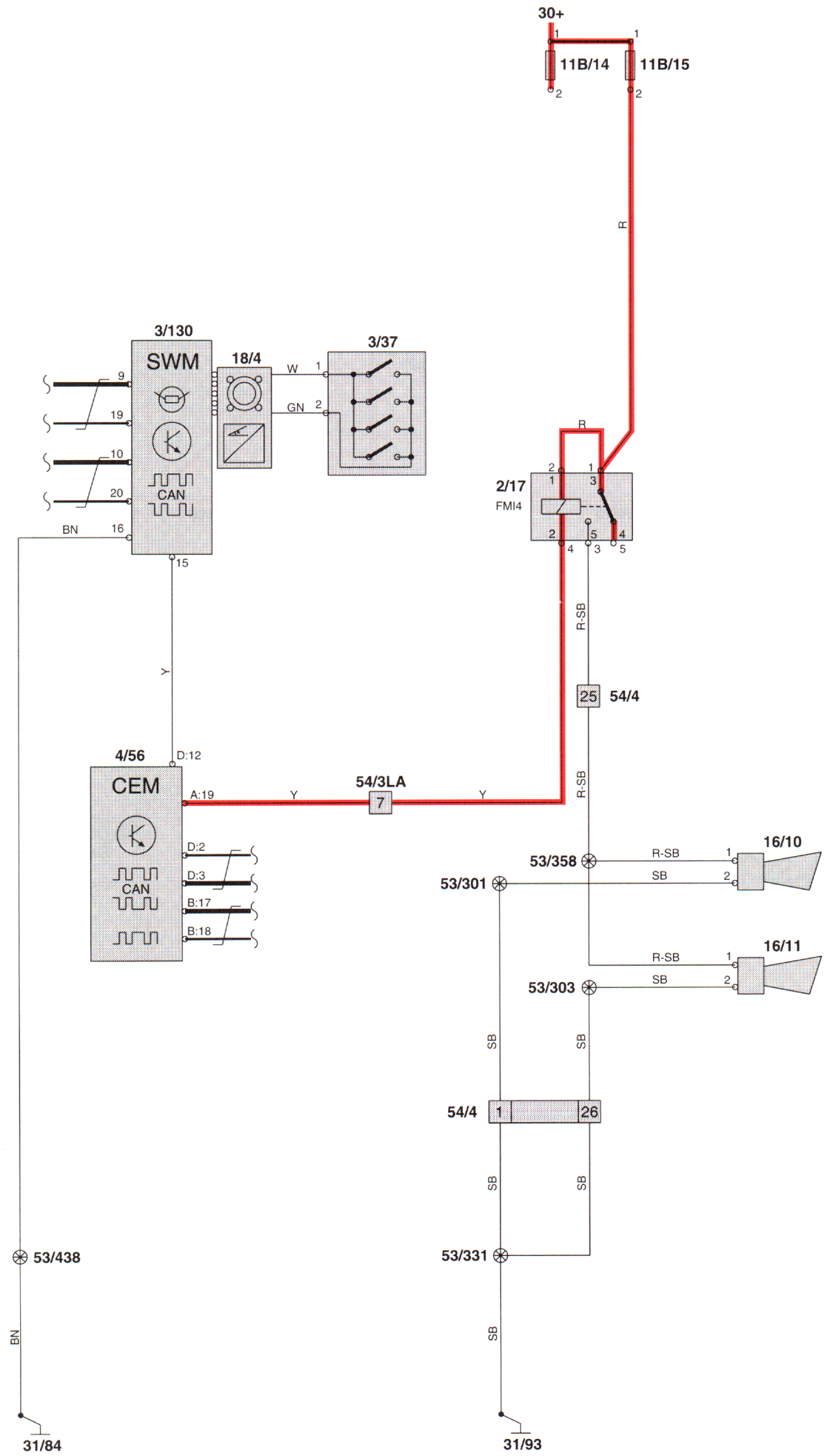
Headlamp range adjustment



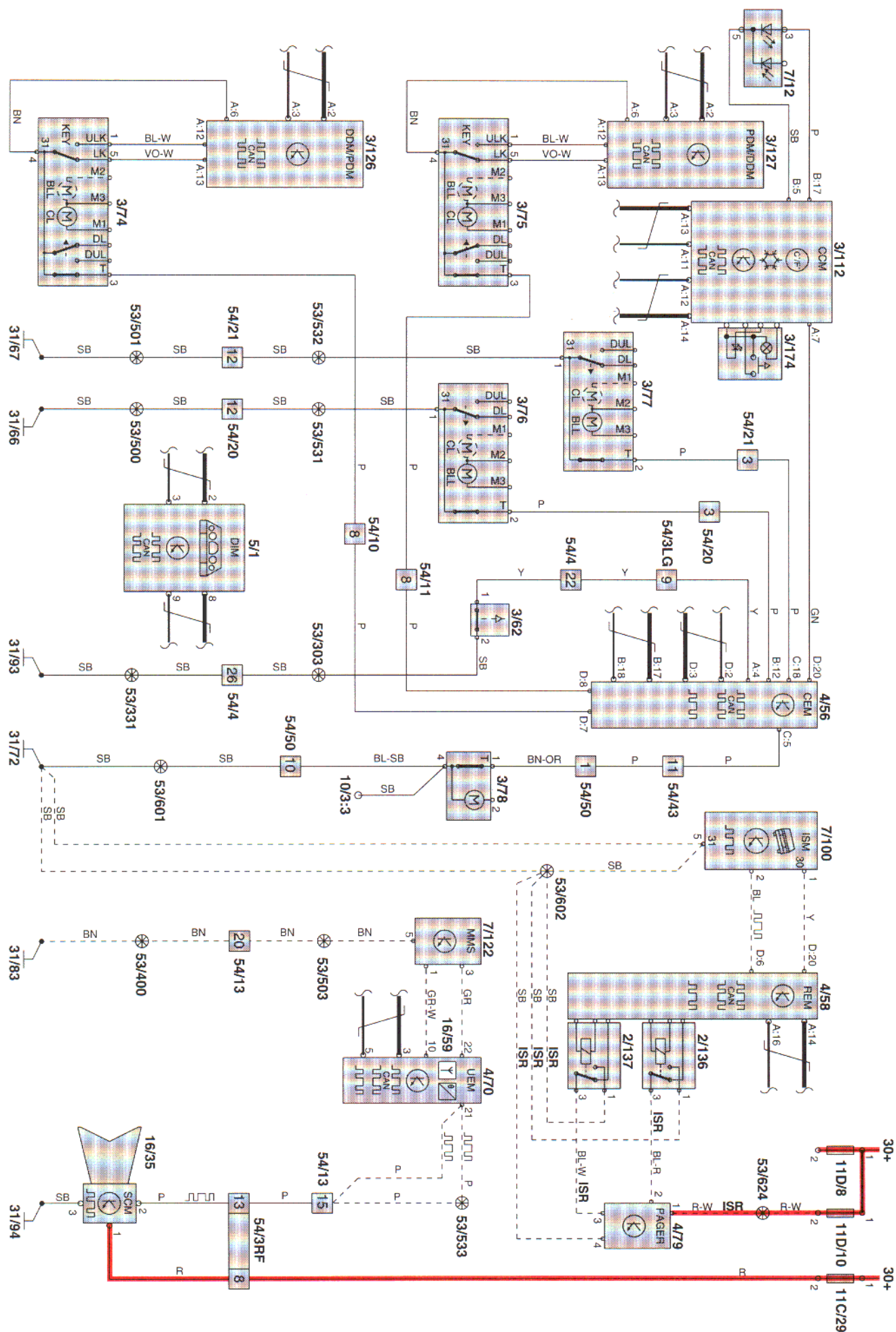
Safety lighting



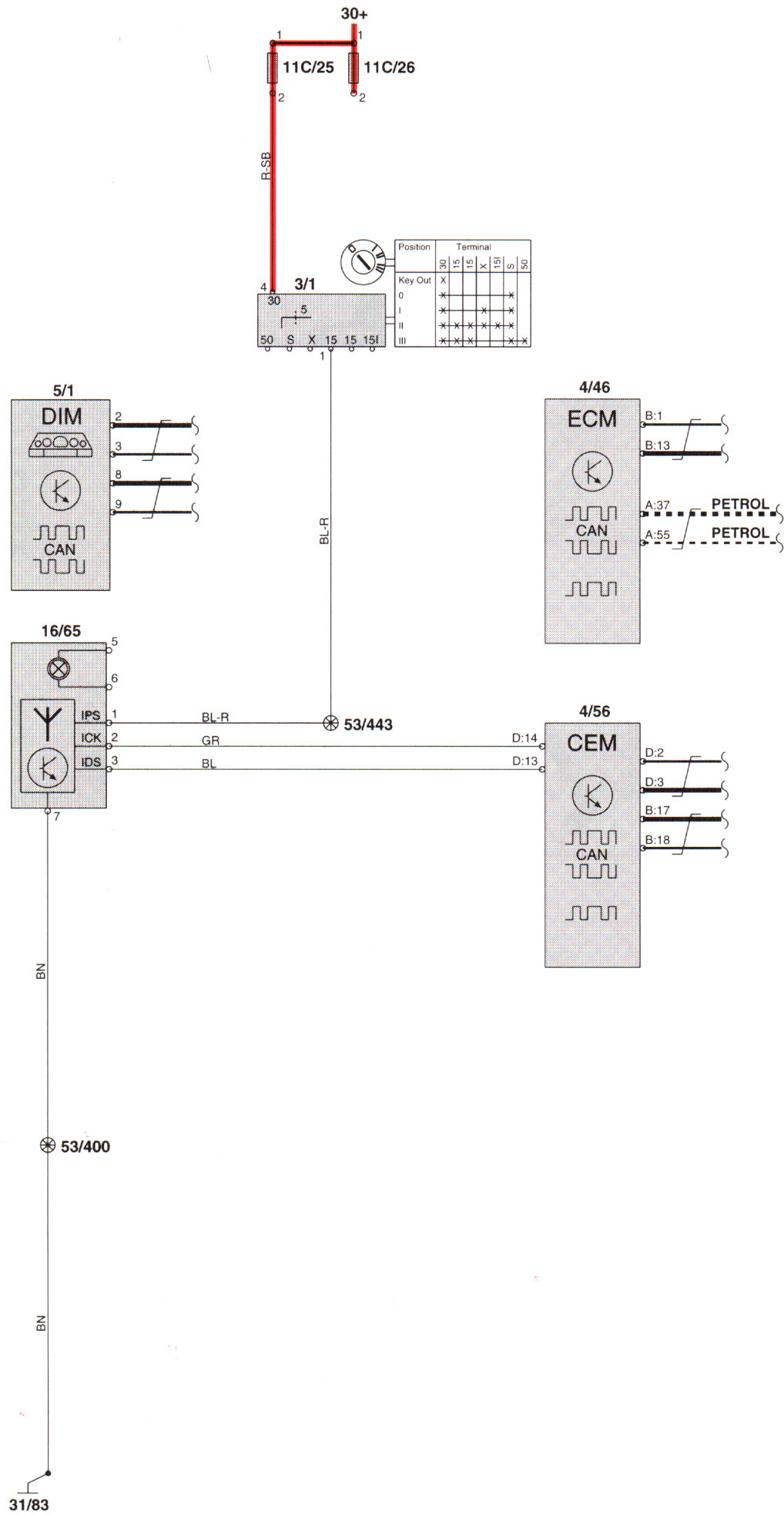
Signal horn



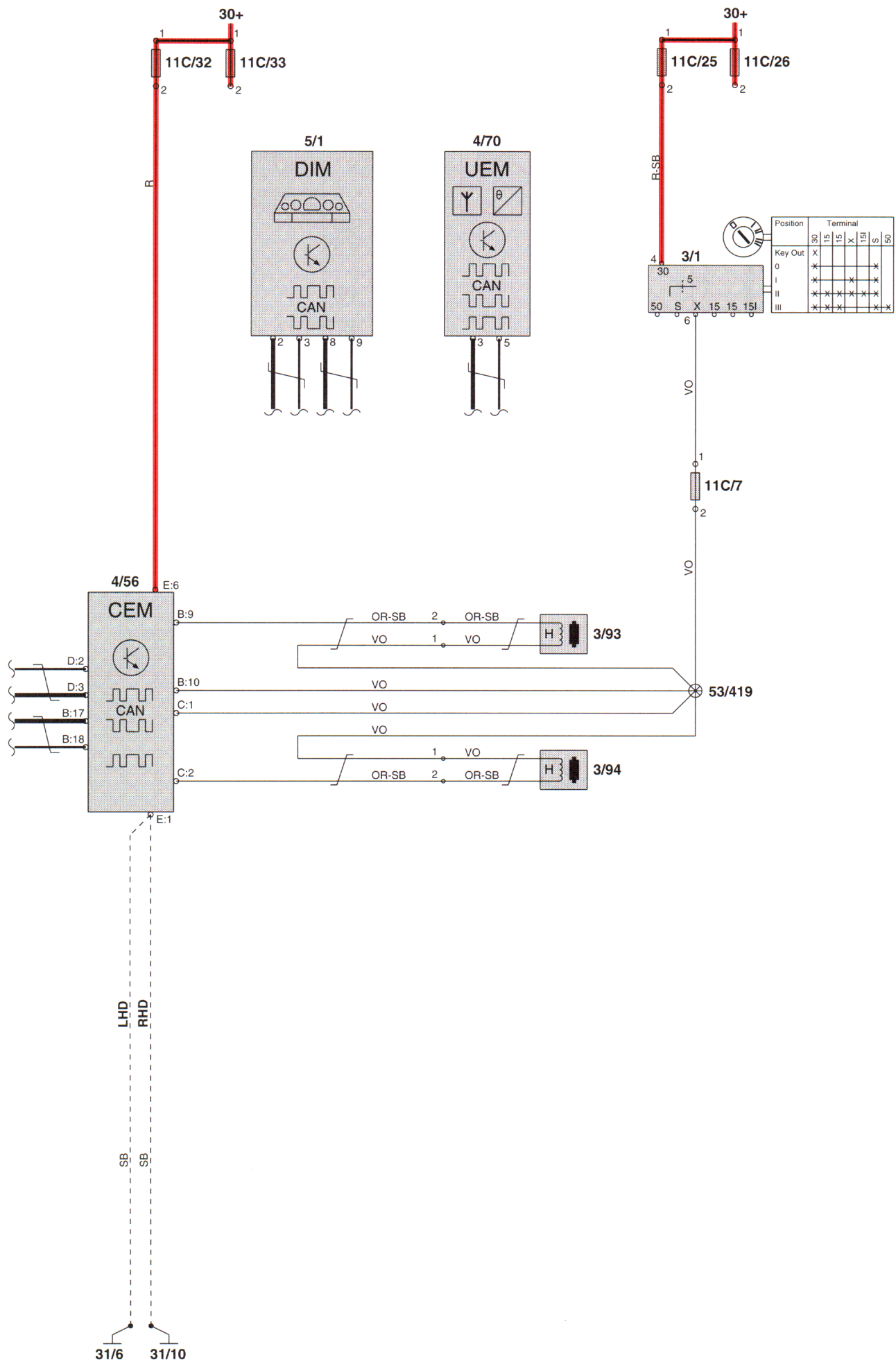
Anti-theft alarm



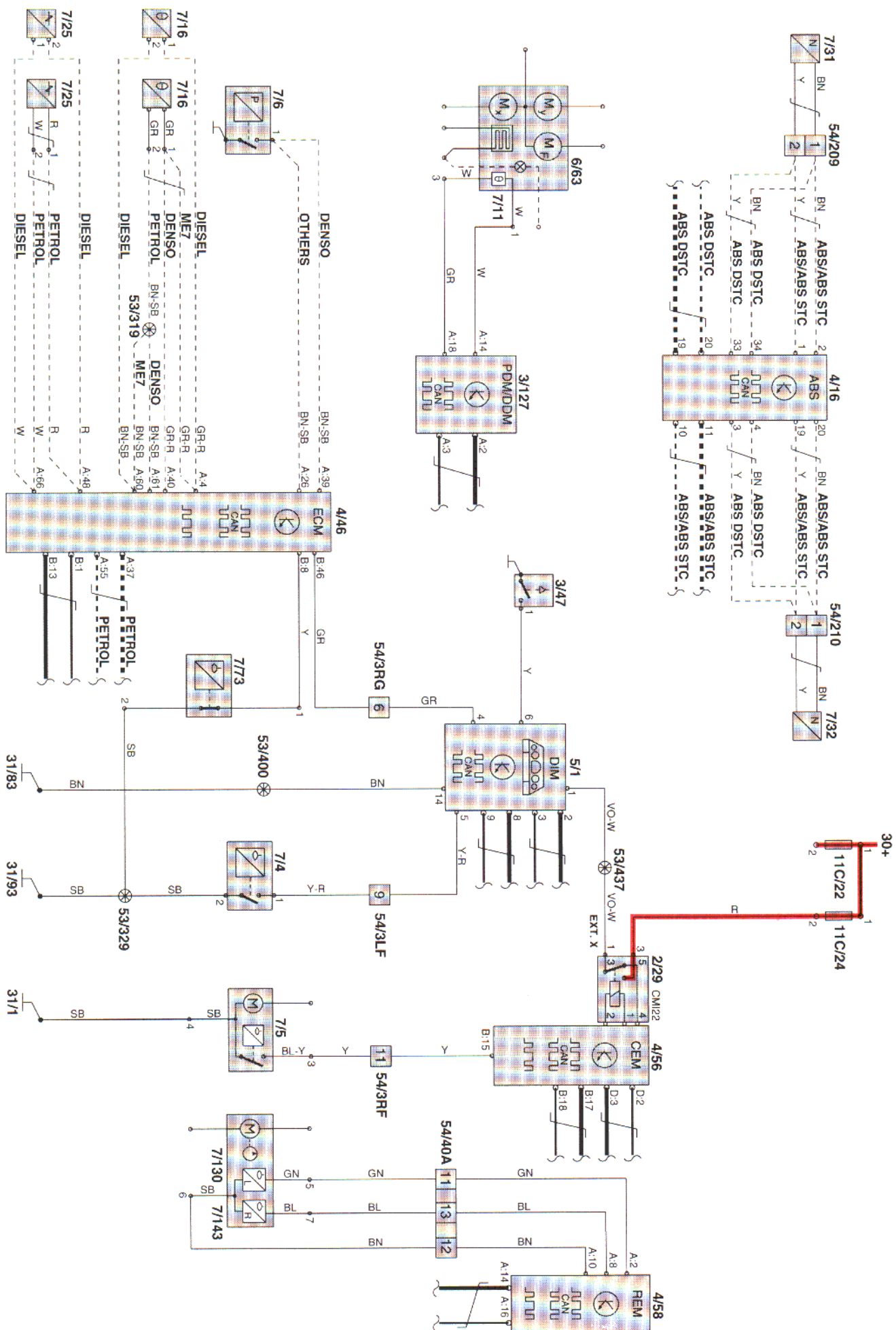
Immobilizer



Seat belt reminder



Combined instrument panel



Group 43

Automatic transmission

AW 50-42	130
AW 55-50	132
4T65EV	134

Group 59

ABS brake system and STC	136
ABS brake system with DSTC	138

Group 83

Central locking	140
Power sunroof	142

Group 87

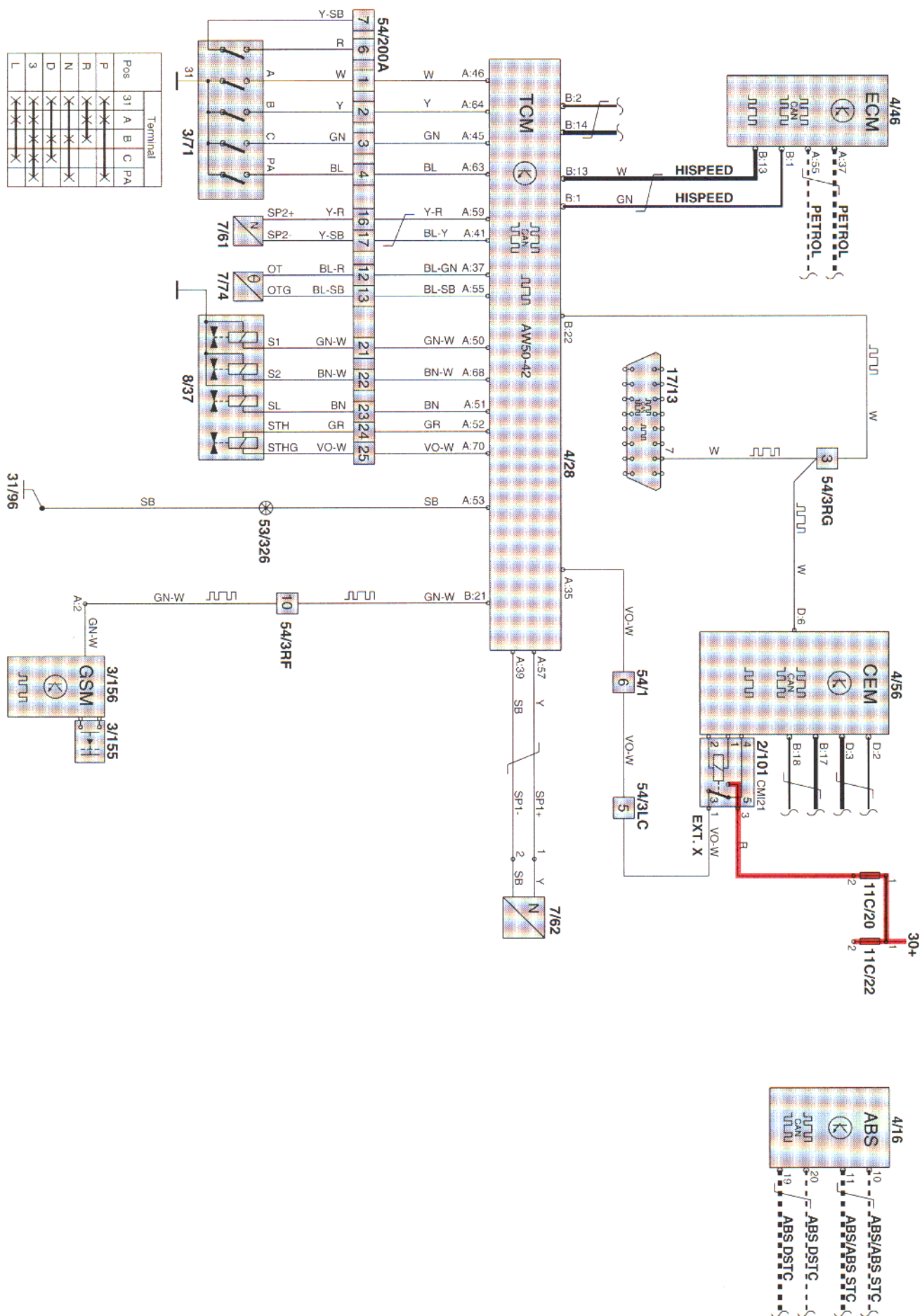
Manual climate control MCC	144
Electronic climate control ECC	146
Additional heater	148

Group 88

SRS Supplemental Restraint System	150
Remote controlled garage door opener	152

Component list (fold-out)	see end of manual
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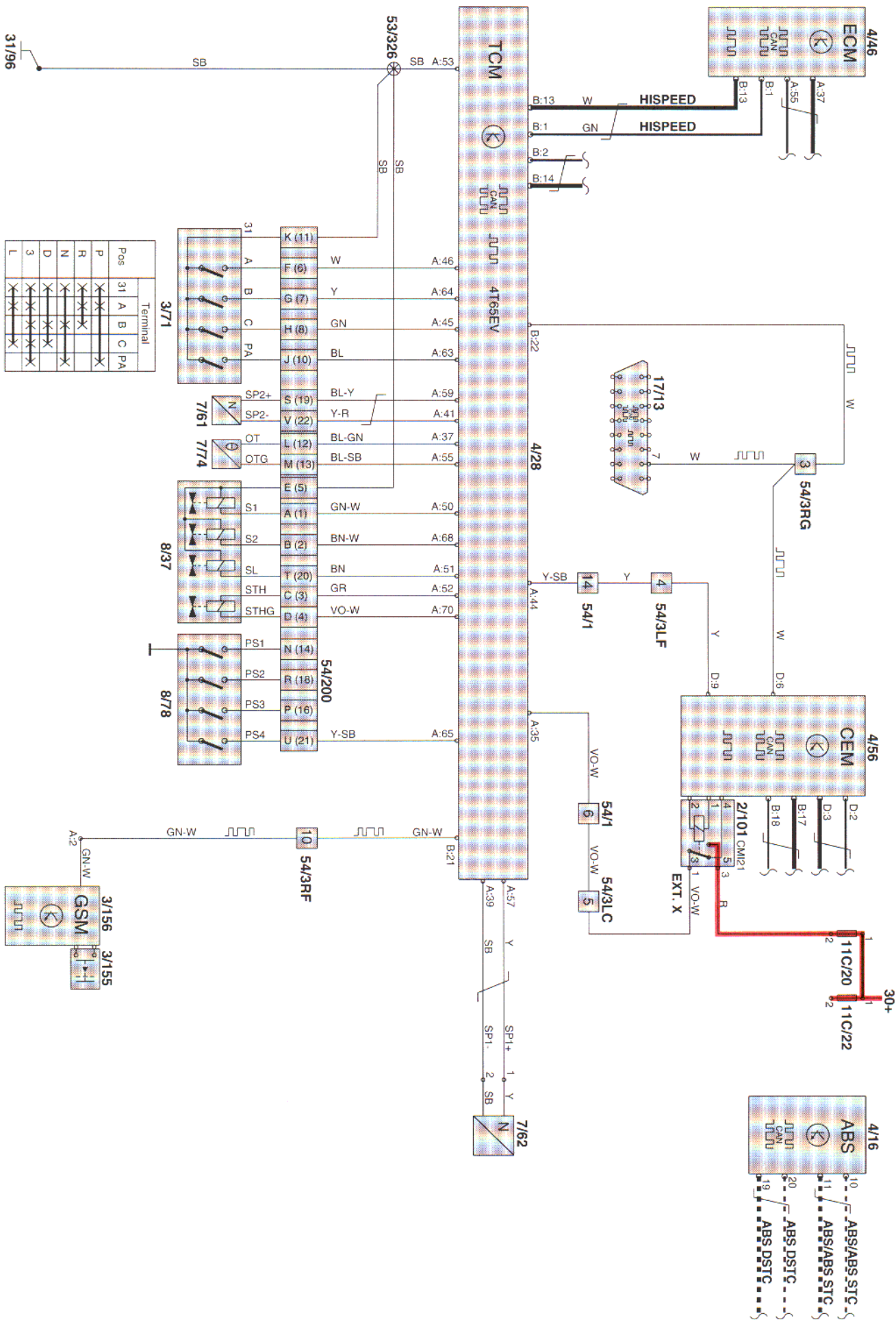
Automatic transmission AW 50-42



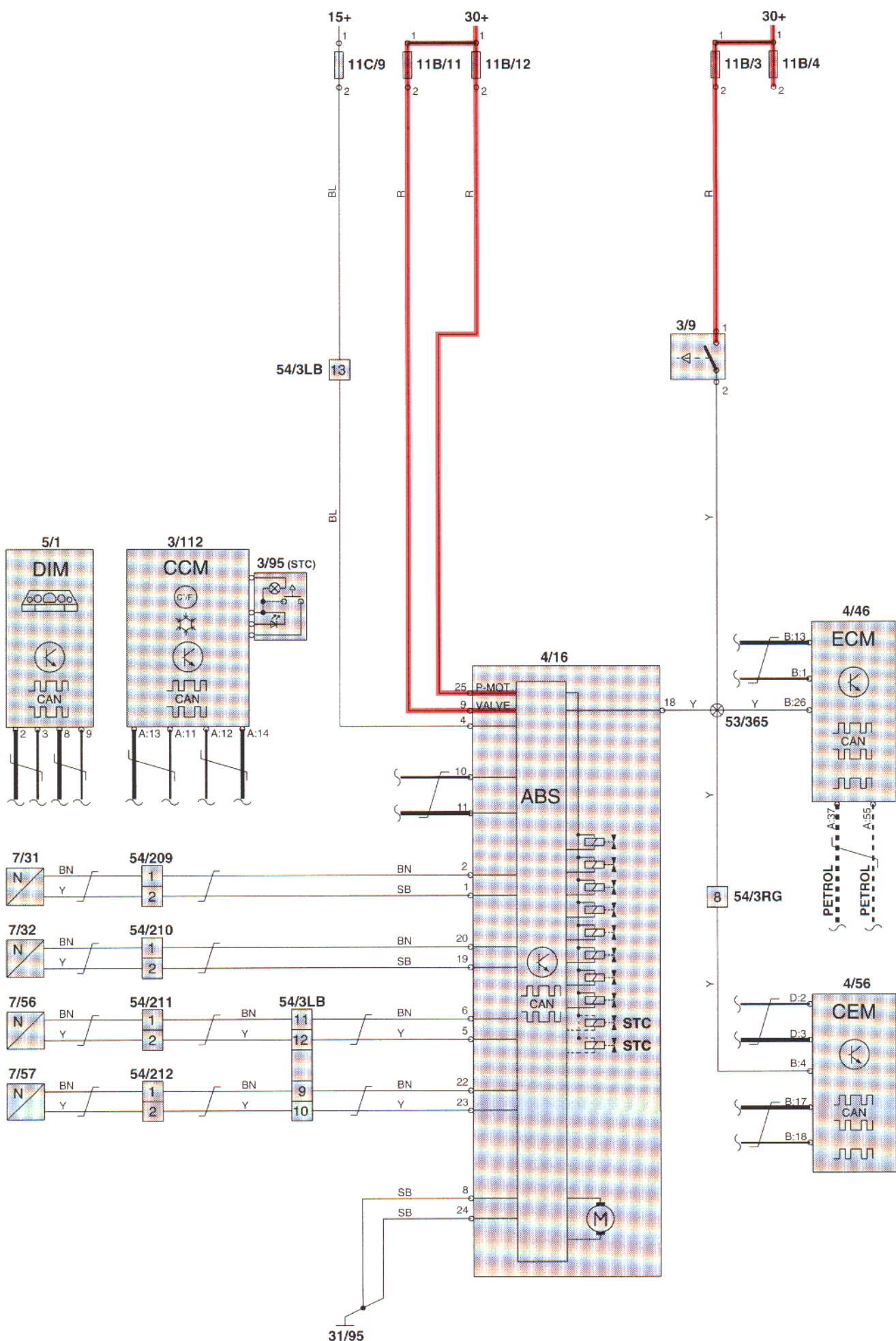
Pos	Terminal			
	31	A	B	C PA
P	X	X		X
R	X	X	X	
N	X		X	X
D	X	X	X	X
4	X	X	X	X
3	X	X	X	
L	X		X	X



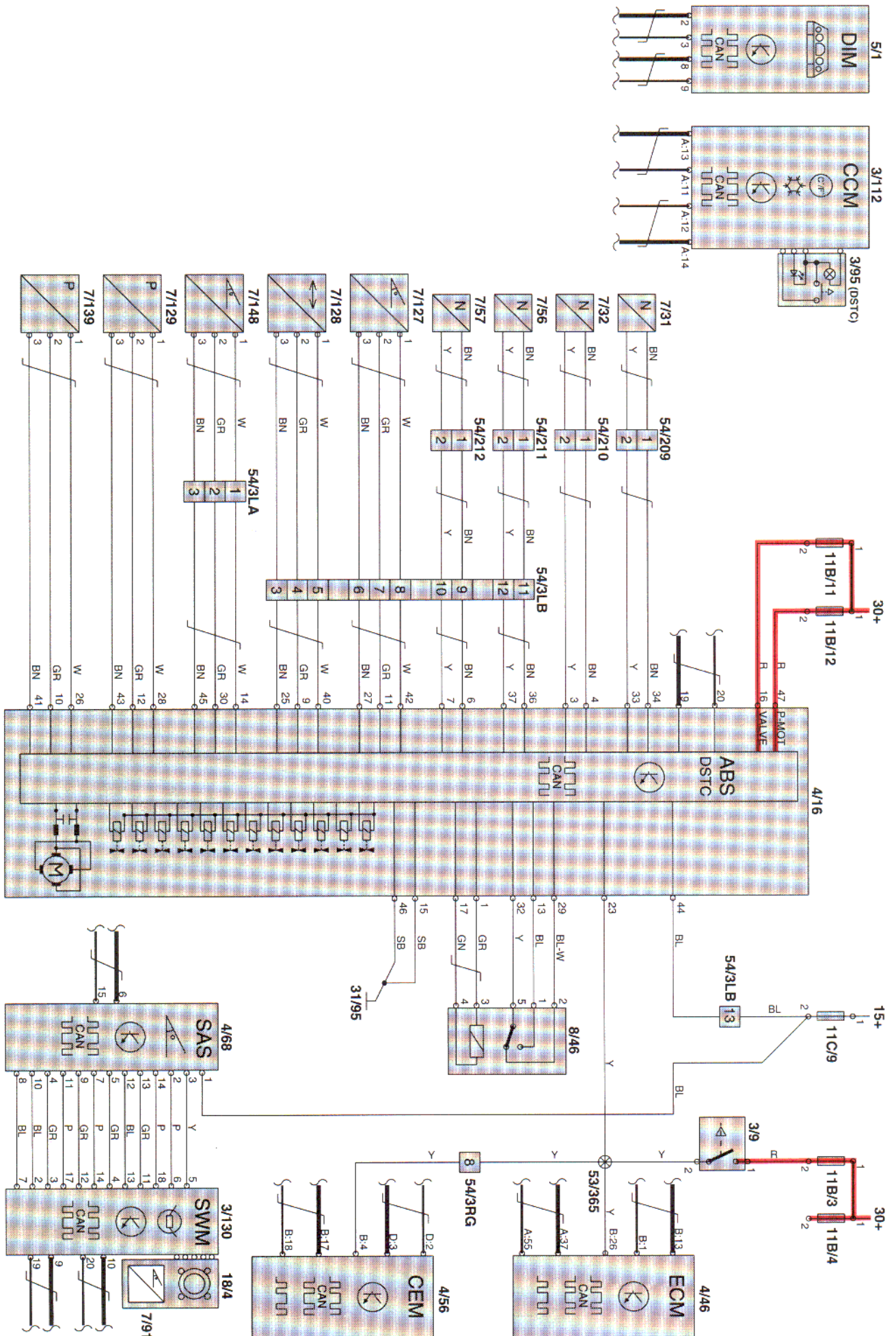
Automatic transmission
4T65EV



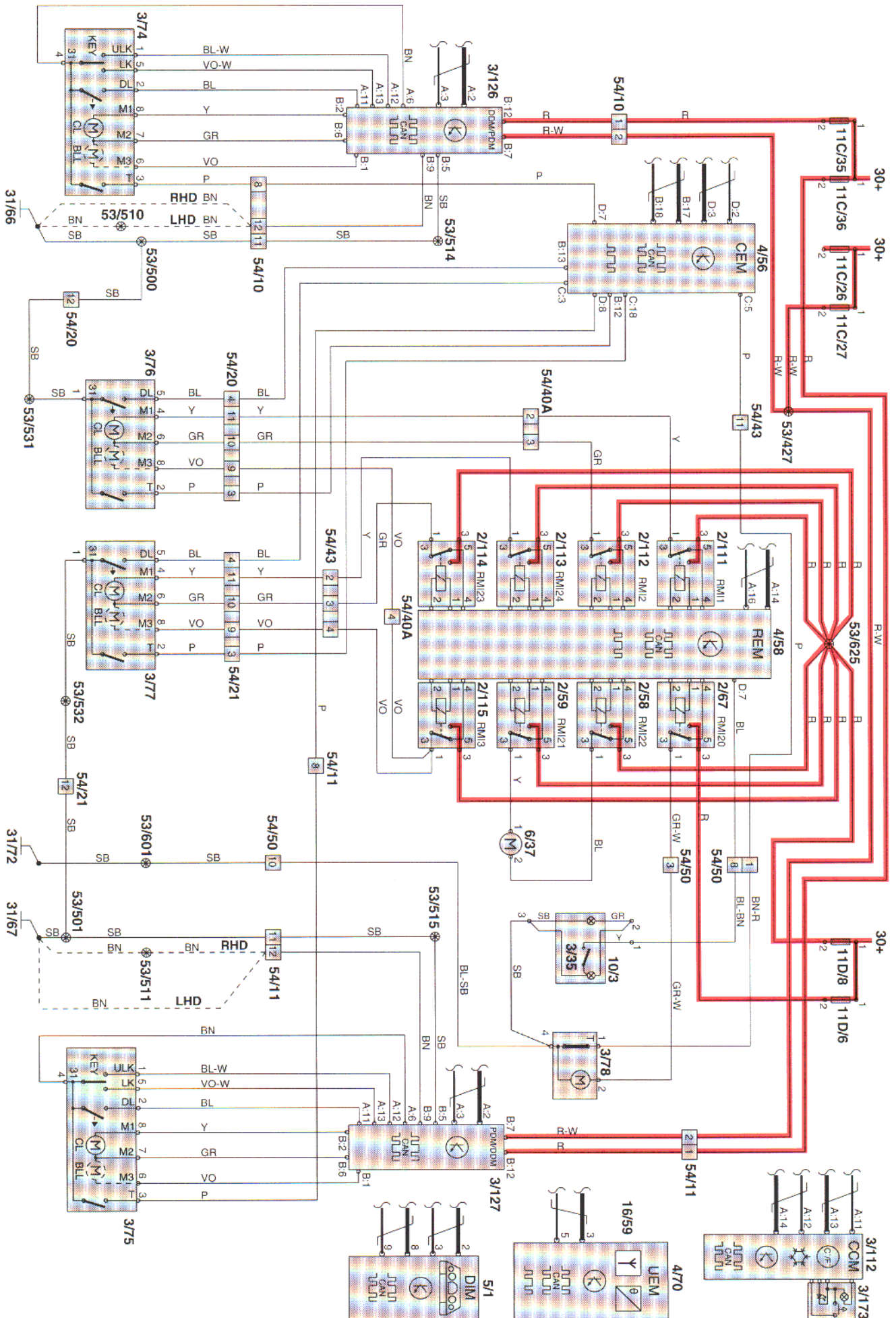
ABS brake system and STC



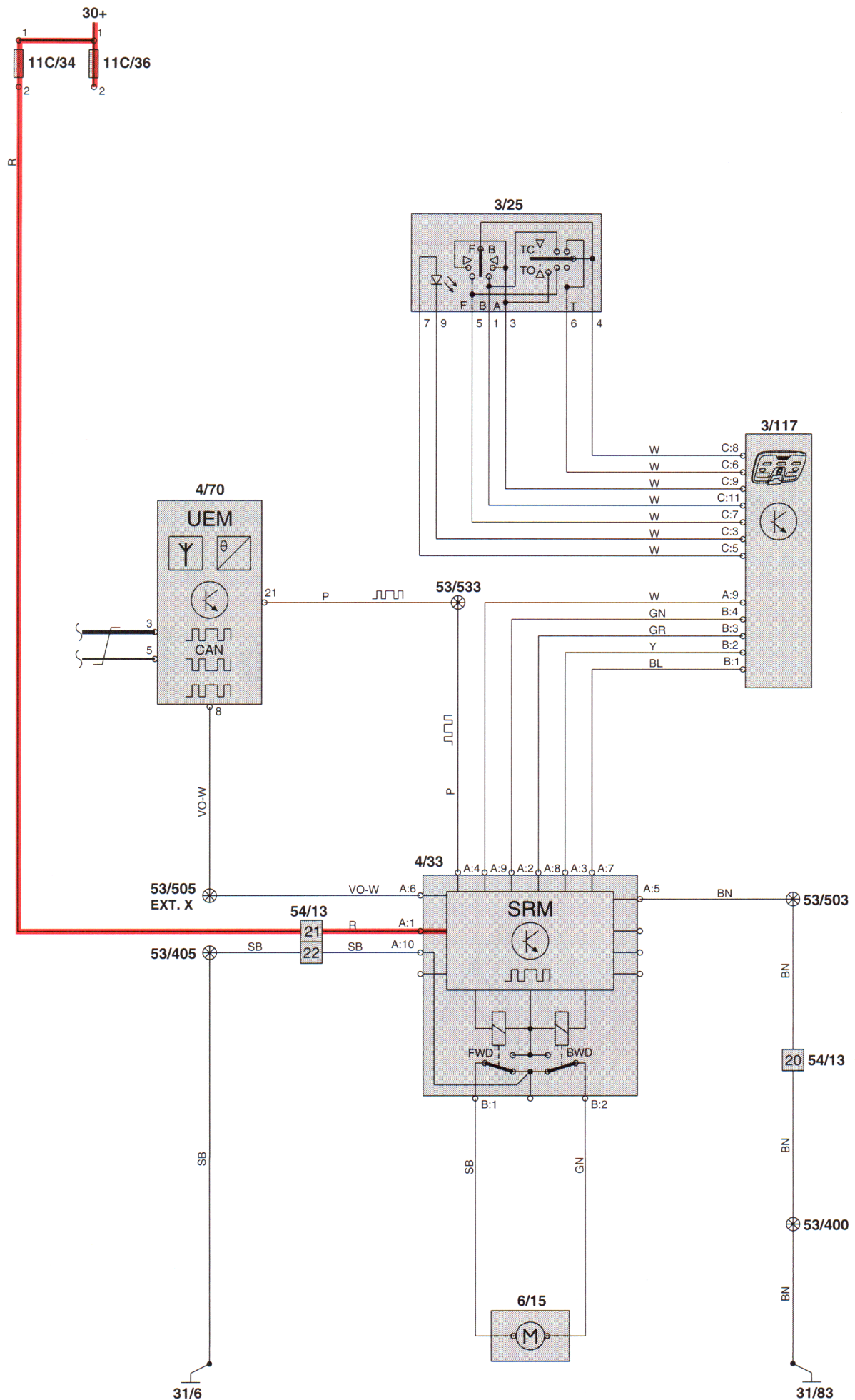
138



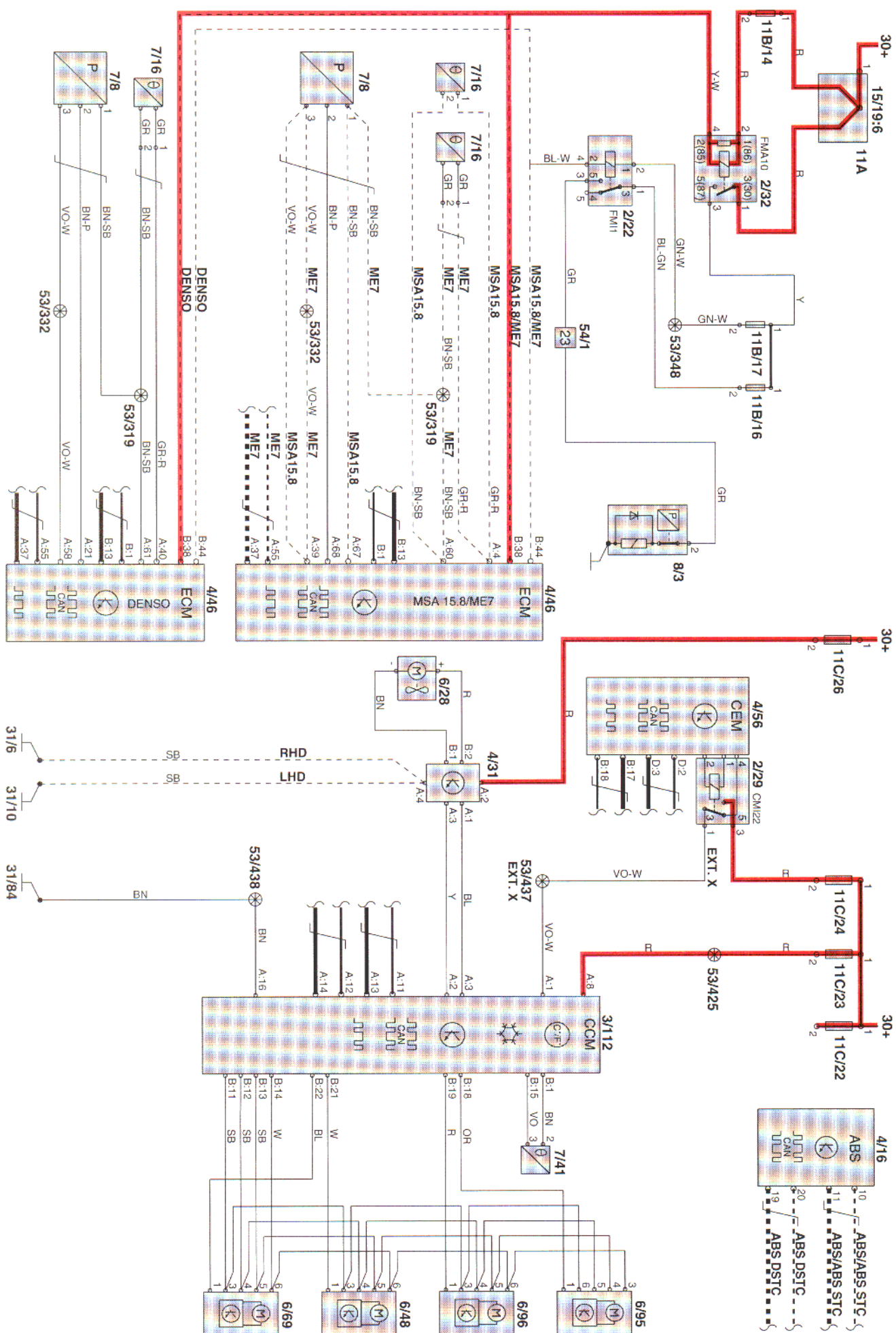
Central locking



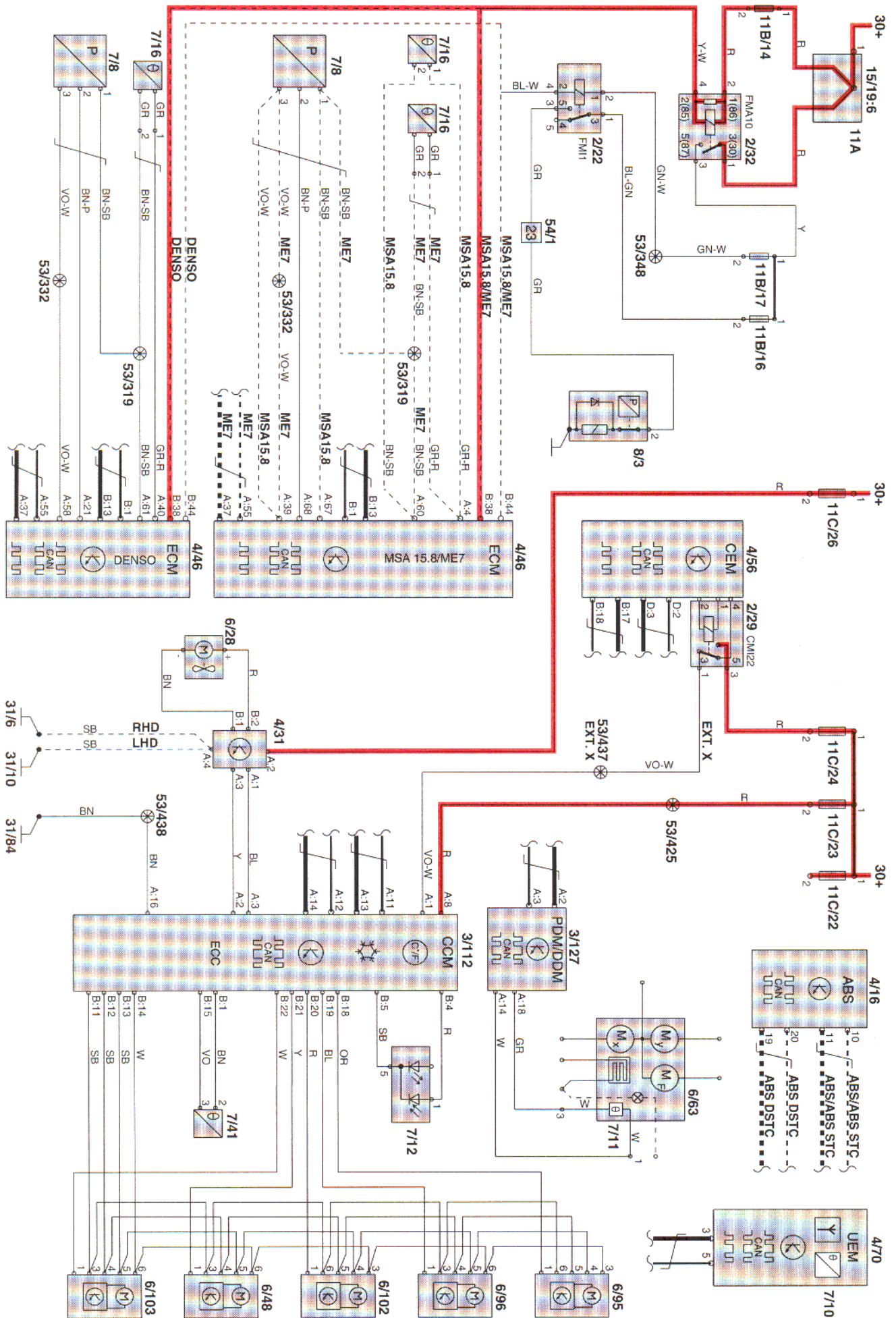
Power sunroof



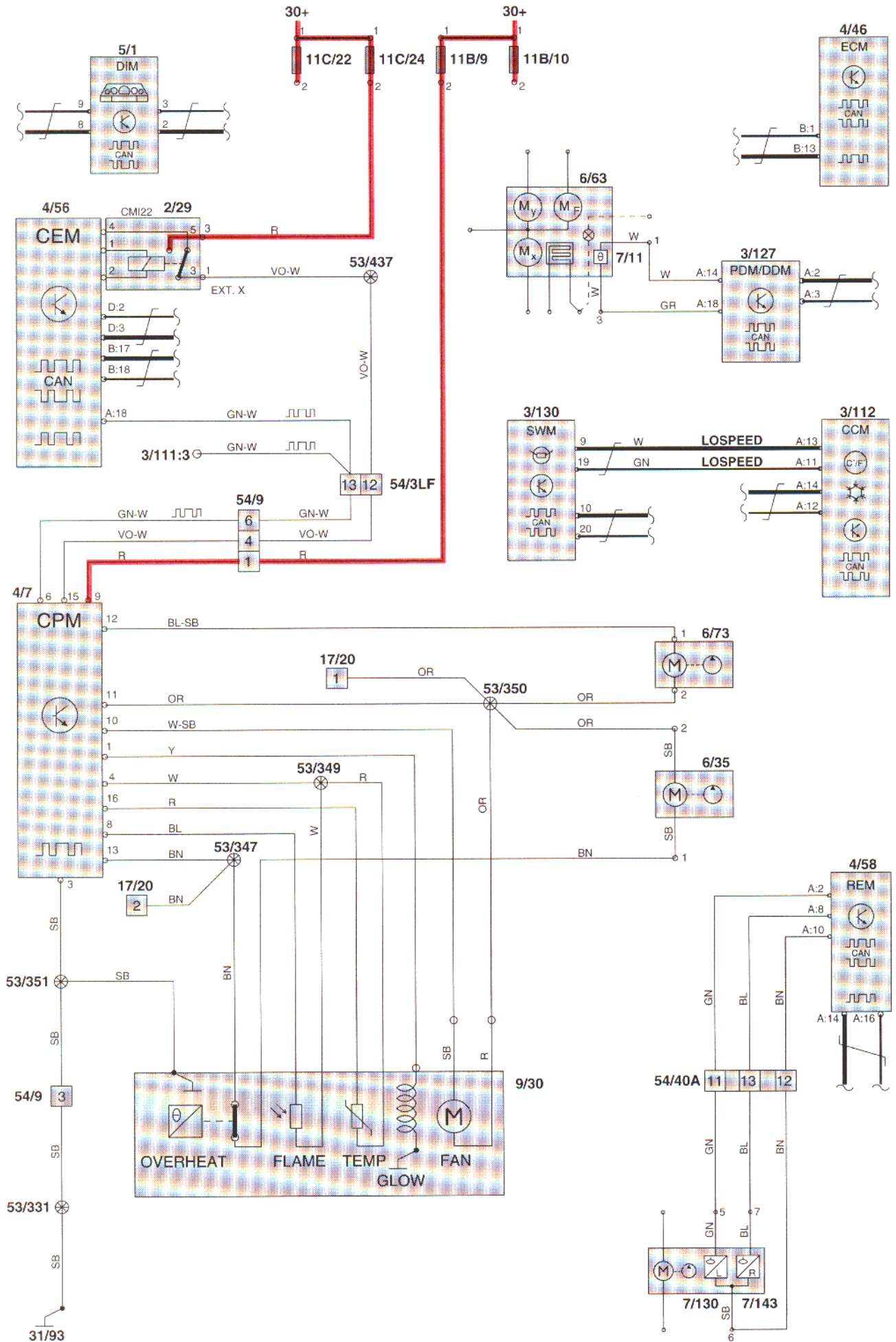
Manual climate control MCC



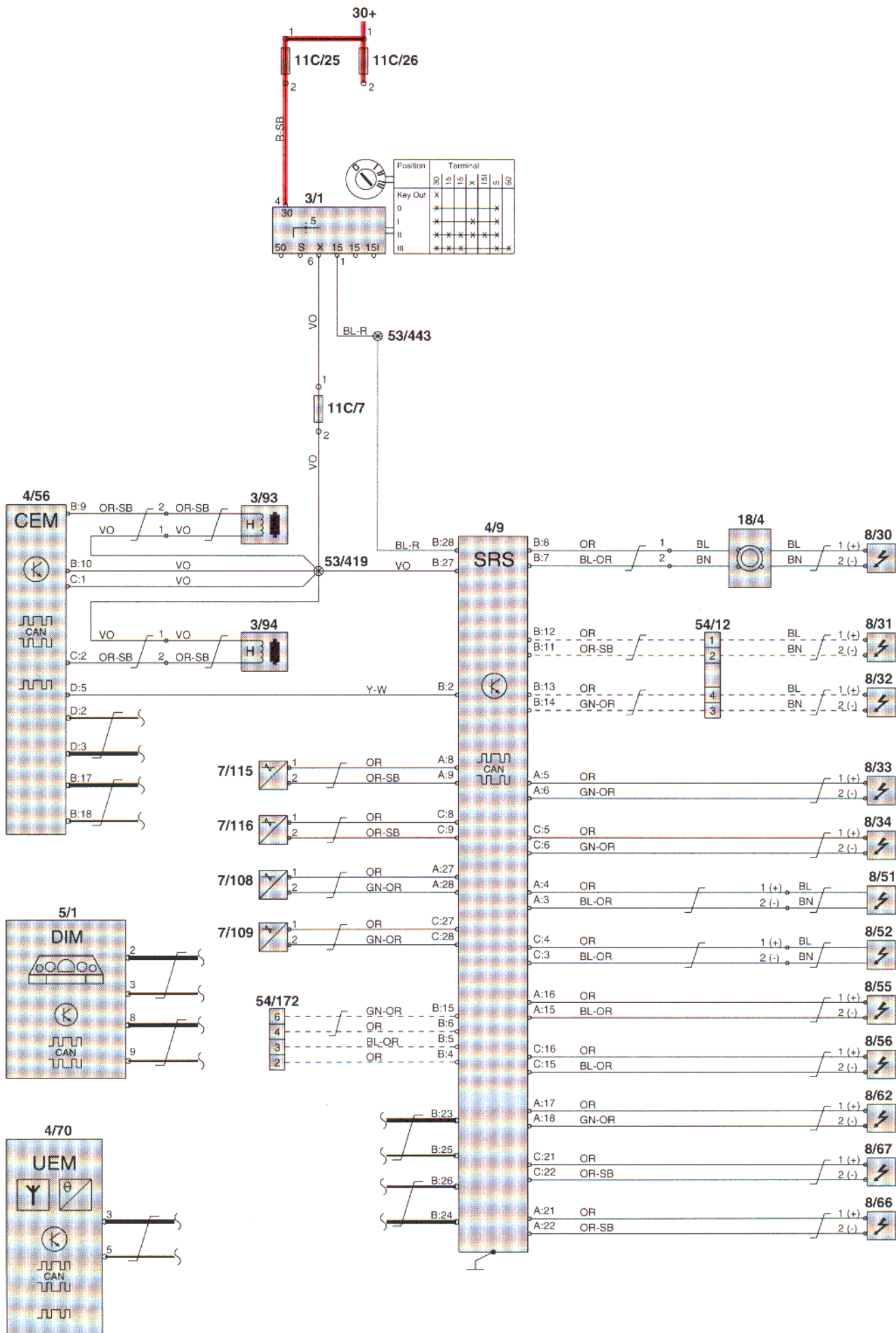
Electronic climate control ECC



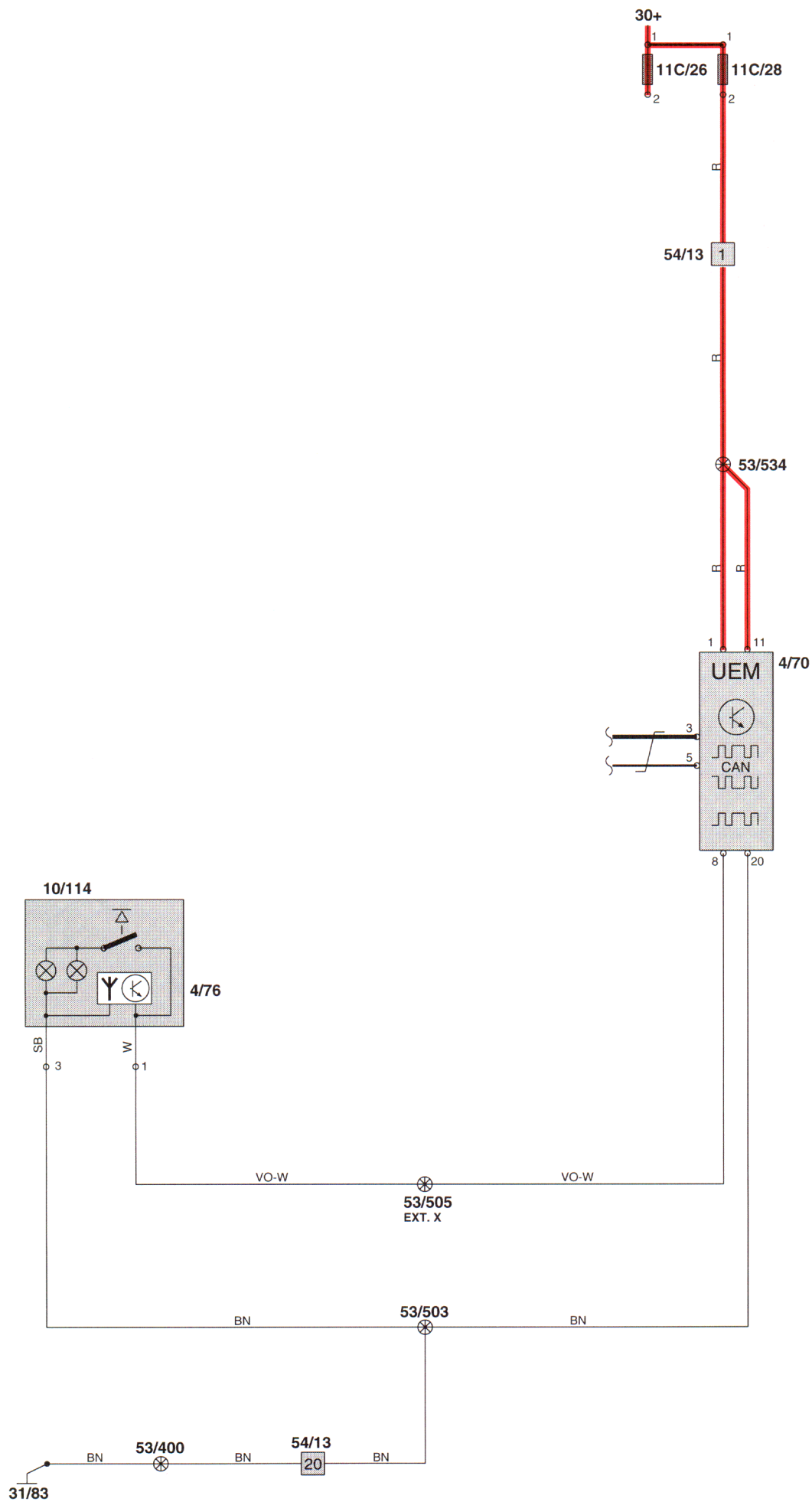
Additional heater



SRS Supplemental Restraint System



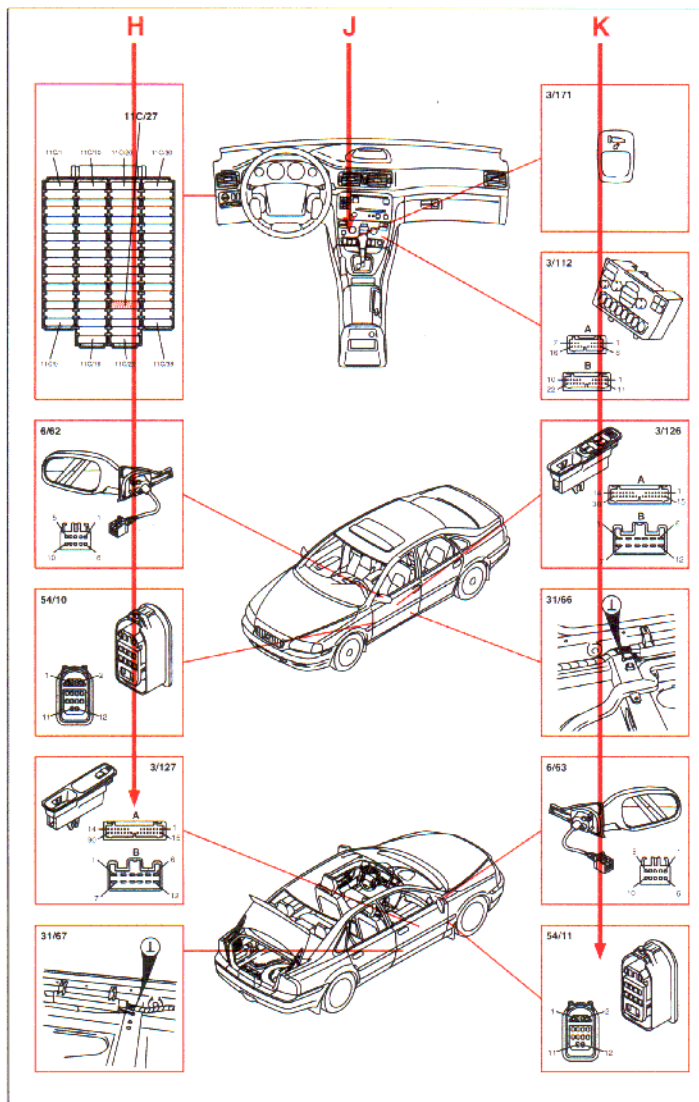
Remote controlled garage door opener



Component list

1/1	Battery	3/86	Power window switch right rear door
2/14	Glow plug relay	3/93	Seat belt buckle switch left seat
2/17	Horn relay	3/94	Seat belt buckle switch right seat
2/22	A/C relay	3/95	Anti wheelspin control switch
2/23	Fuel pump relay	3/111	Electrical switch module lights
2/29	Increased X-supply relay	3/112	Electrical switch module climate control (CCM)
2/30	Overload relay X-supply	3/117	Electrical switch module courtesy light
2/31	Overload relay 15-supply	3/126	Electrical module left front door (DDM/PDM)
2/32	Main relay engine management system	3/127	Electrical switch module right front door (PDM/DDM)
2/34	Front fog lamp relay	3/130	Electrical switch module steering wheel levers
2/35	Starter motor relay	3/155	Program selector automatic transmission
2/49	Fog tail lamp relay	3/156	Lever module switch automatic transmission (GSM)
2/52	Relay 15I-supply rear	3/173	Privacy lock switch trunk lid
2/58	Fuel tank filler cover locking relay	3/174	Switch reduced alarm
2/59	Fuel tank filler cover unlocking relay		
2/61	Parking lamps relay		
2/62	Low beam relay	4/7	Additional heater control module
2/63	High beam relay	4/9	SRS control module
2/67	Trunk lid opening relay	4/16	ABS control module
2/74	Coolant heating plug relay 1	4/28	Transmission control module (TCM)
2/75	Folding head restraint rear relay	4/31	Blower fan control module
2/79	Stop (brake) lamp relay	4/33	Sun roof control module
2/80	Back-up (reversing) lamp relay	4/46	Engine control module (ECM)
2/82	Rear windshield demist relay	4/50	Electronic throttle module (ETM)
2/83	Fog lamp trailer relay	4/52	Power driver's seat module
2/90	Windshield wiper low / high speed relay	4/56	Central electronic module (CEM)
2/91	Intermittent windshield wiper relay	4/58	Rear electronic module (REM)
2/92	Washer motor relay	4/68	Control module for steering angle sensor
2/101	Increased X-supply relay automatic transmission	4/70	Upper electronic module (UEM)
2/109	Coolant heating plug relay 2	4/71	Engine cooling fan (FC) control module
2/111	Central locking relay locking left rear	4/76	Remote control module garage door opener
2/112	Central locking relay unlocking left rear	4/79	Seeker alarm
2/113	Central locking relay locking right rear		
2/114	Central locking relay unlocking right rear	5/1	Combined instrument panel (DIM)
2/115	Central locking relay deadlock position rear doors		
2/116	Power window relay up left rear	6/1	Windshield wiper motor
2/117	Power window relay up right rear	6/2	Washer motor
2/118	Power window relay down left rear	6/3	Right headlamp washer motor
2/119	Power window relay down right rear	6/4	Left headlamp washer motor
2/120	Power window relay child safety block rear doors	6/15	Sun roof motor
2/136	Seeker P0 relay	6/25	Starter motor
2/137	Seeker P1 relay	6/26	Generator
		6/28	Blower fan motor
3/1	Ignition switch	6/29	Engine cooling fan (FC)
3/4	Electrical switch module cruise control	6/31	Fuel injection pump
3/6	Hazard warning signal flasher switch	6/33	Fuel pump
3/9	Stop (brake) lamp switch	6/35	Additional heater fuel pump (FP)
3/10	Back-up (reversing) lamps switch	6/37	Central locking motor fuel tank filler cover
3/25	Power sun roof switch	6/38	Left actuator motor headlamp range adjustment
3/27	Power passenger seat control unit	6/39	Right actuator motor headlamp range adjustment
3/35	Trunk lid handle switch	6/48	Servo motor recirculation shutter
3/37	Horn switches		
3/47	Parking brake switch		
3/62	Alarm switch hood		
3/71	Gear shift position switches		
3/74	Lock unit left front door		
3/75	Lock unit right front door		
3/76	Lock unit left rear door		
3/77	Lock unit right rear door		
3/78	Lock unit trunk		
3/85	Power window switch left rear door		

How to use the diagrams



Explanation of symbols , continued

	= Symbols for CAN-communication
	= Serial communication
	= DIN cables, coaxial cables etc.

Table

Certain 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 terminals 15A, S, and 50.

D. Junction points

The junction points are numbered. There is a list of the different junction points in the manual. It shows which other components the junction points are joined to. The locations are shown in the section "Routing of cable harnesses in the car".

E. Electrical distribution

Supply to the fuse is displayed in its entirety in the section "Electrical distribution".

F. Abbreviations

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

Example. R-W = Red-white

G. CAN-communication

Cables which are drawn as broken lines are displayed in their entirety in the section "Data communication".

H. Components

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

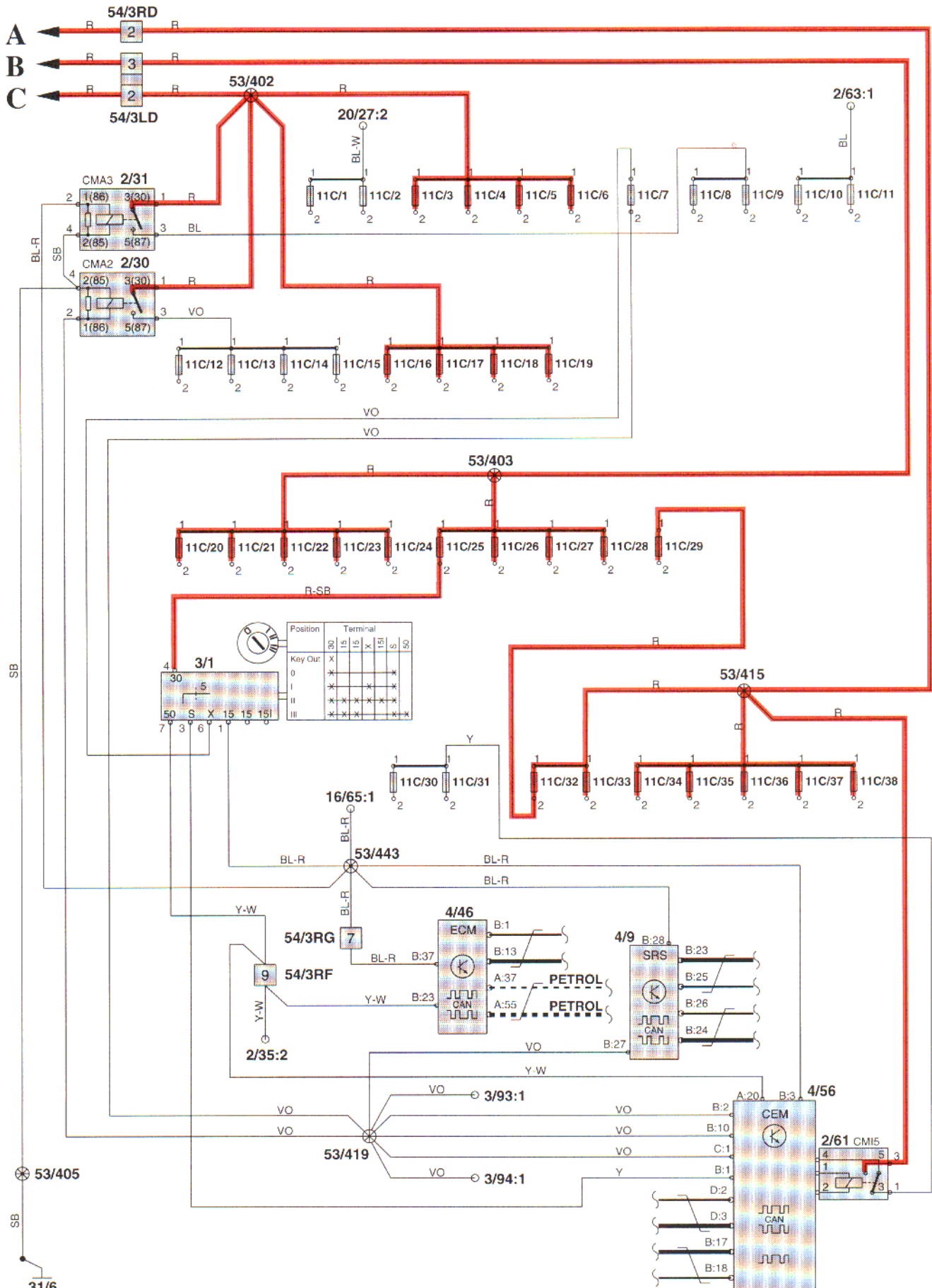
J. Location of components

It shows where the function components are located.

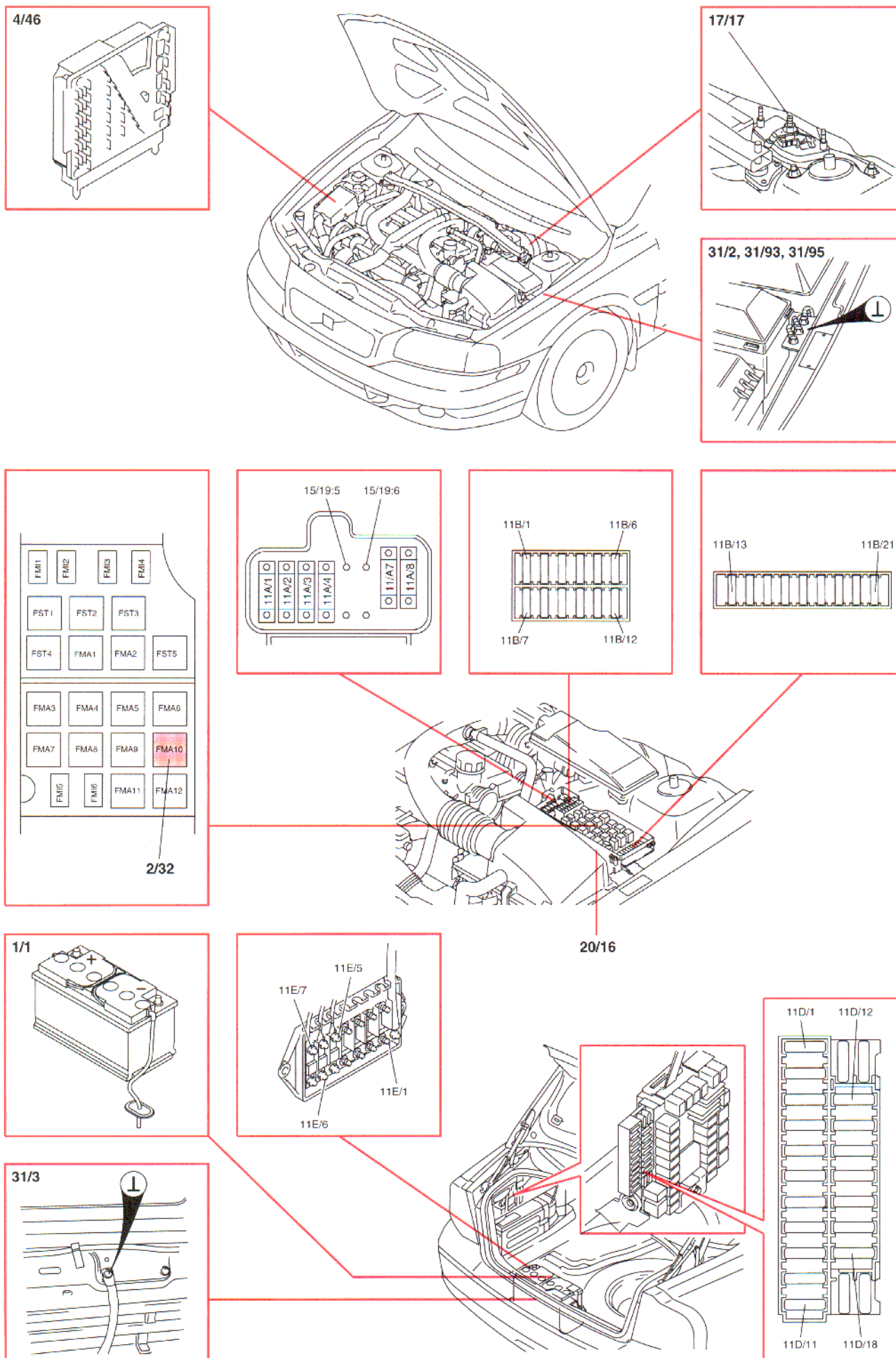
K. Connectors

Connectors which are an interface between two cable harnesses are described in the section "Connectors".

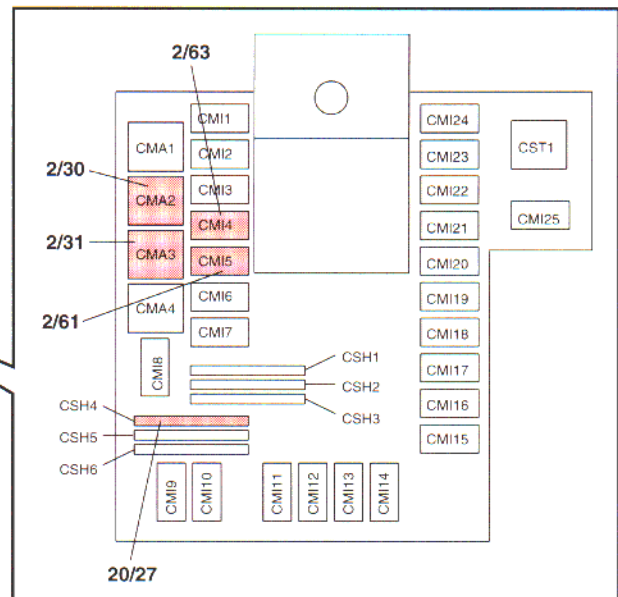
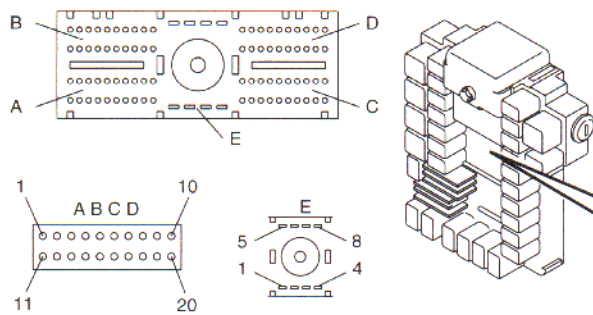
Electrical distribution



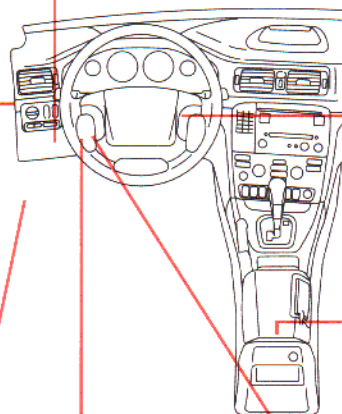
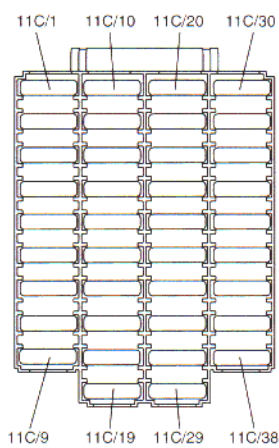
Electrical distribution



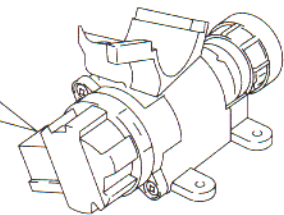
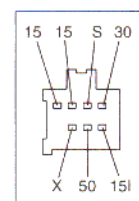
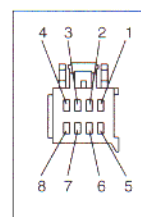
4/56



11C

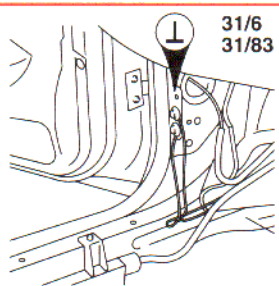


3/1

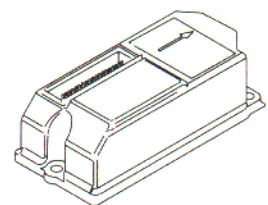


Term.	Color
1	BL-R
2	-
3	Y
4	R-SB
5	-
6	VO
7	Y-W
8	-

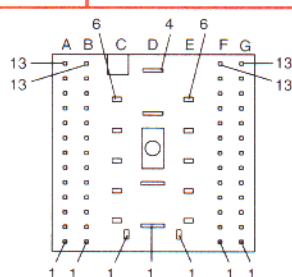
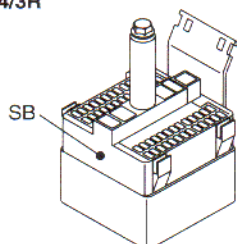
	Position	Terminal						
	Key Out	30	15	15	X	15i	S	30
0		X						
I		X			X		X	
II		X	X	X	X	X	X	
III		X	X	X			X	X



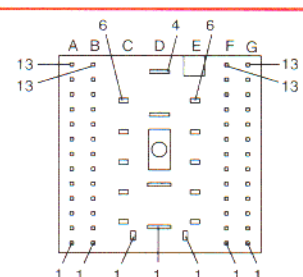
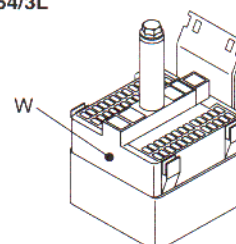
4/9



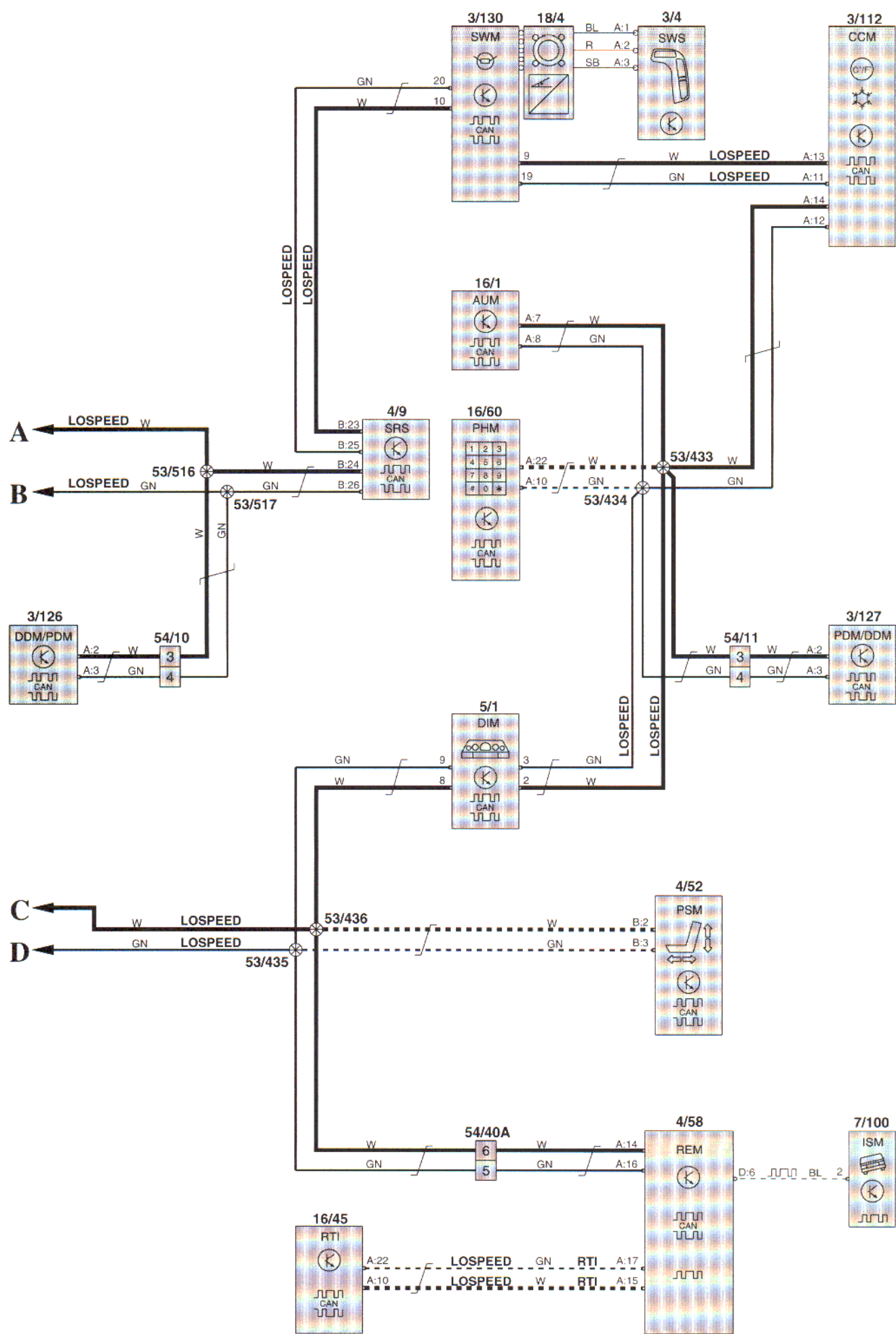
54/3R



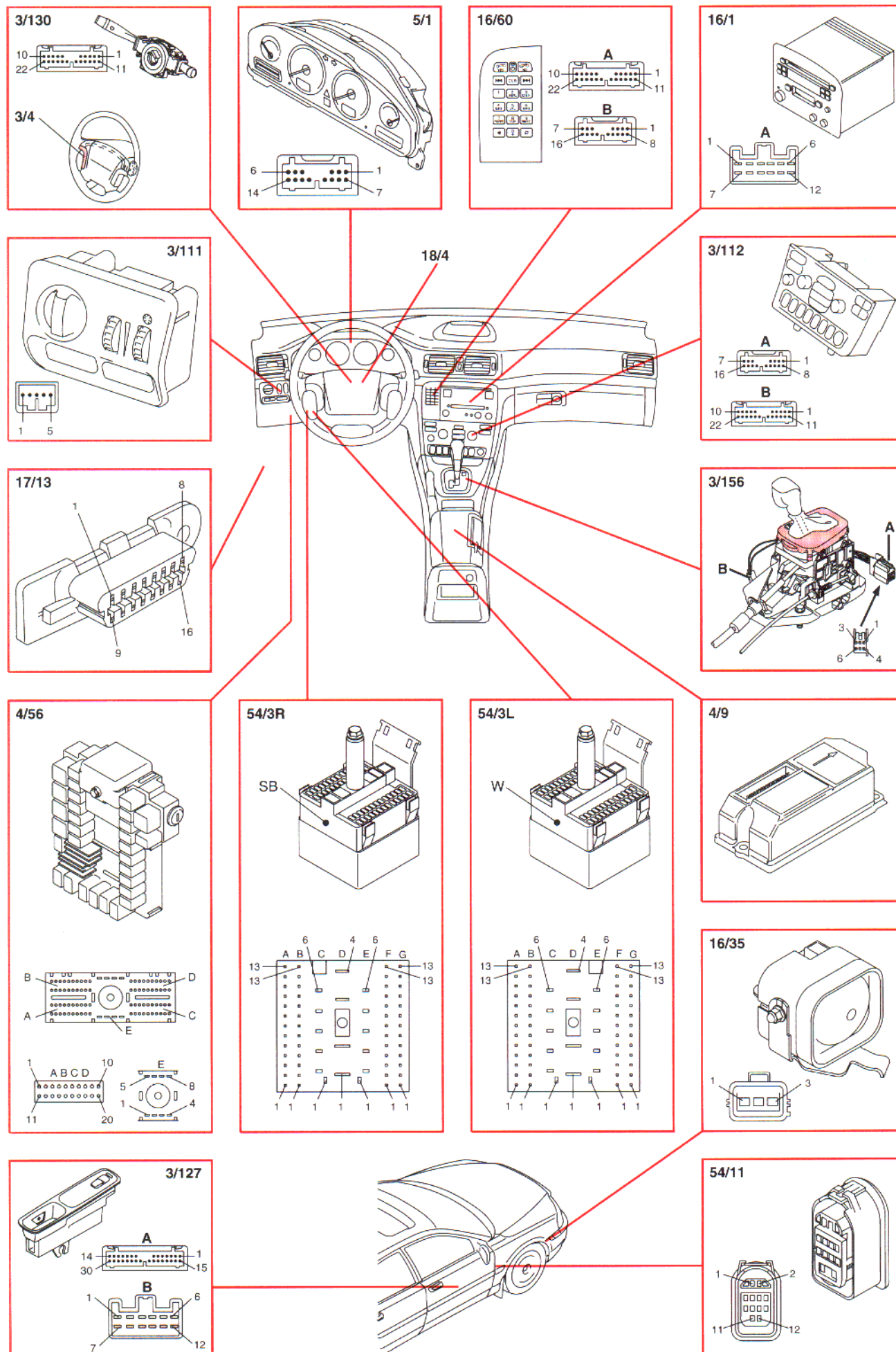
54/3L

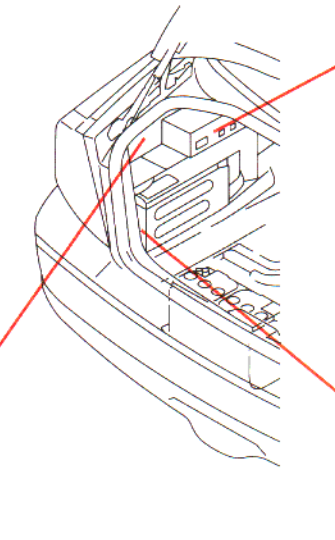
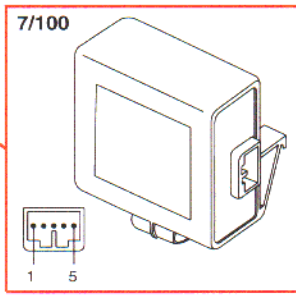
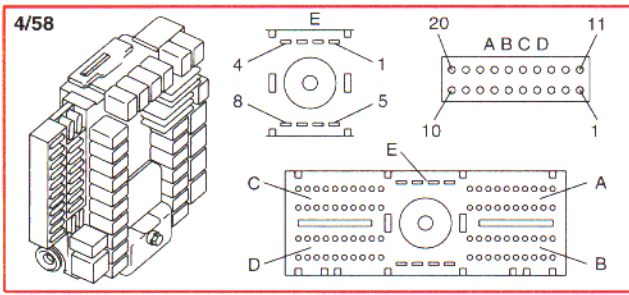
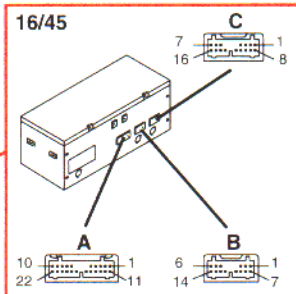
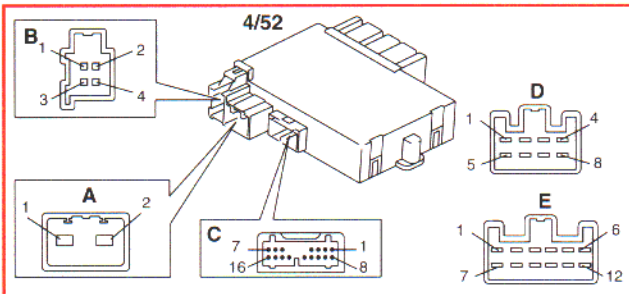
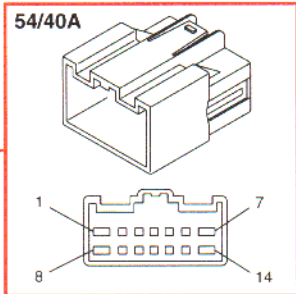
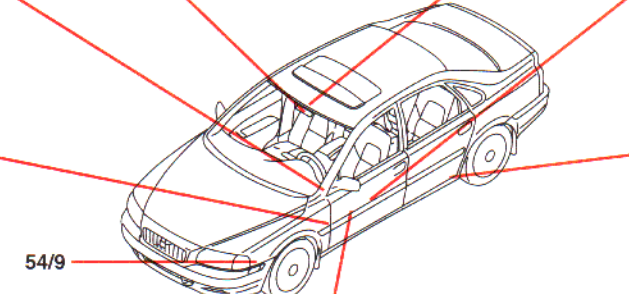
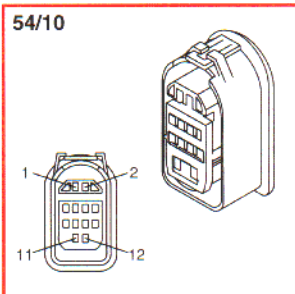
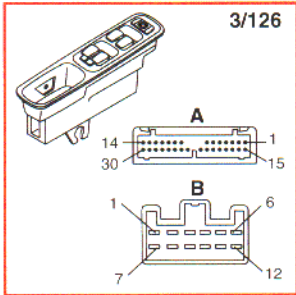
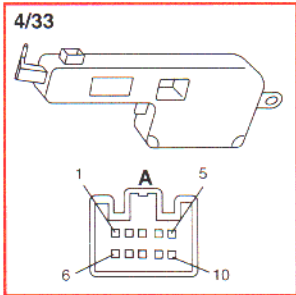
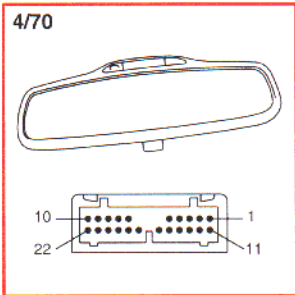
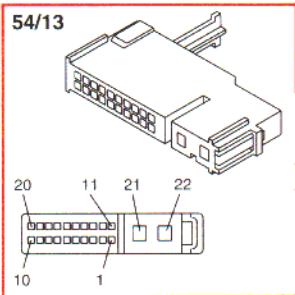
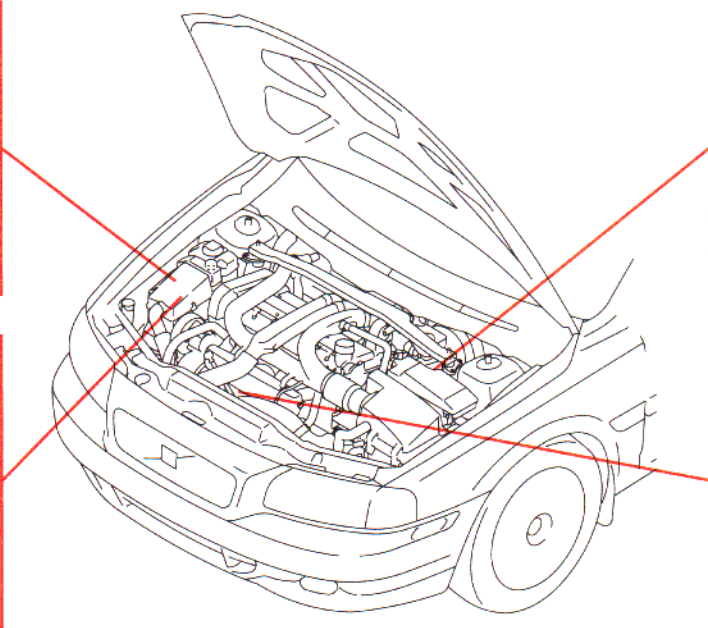
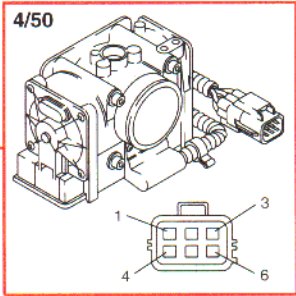
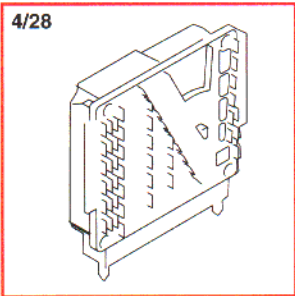
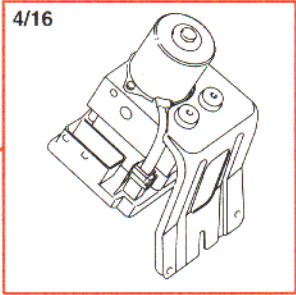
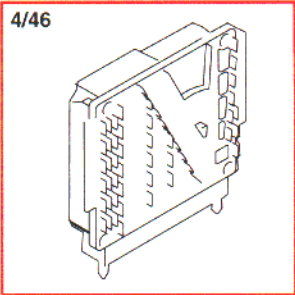


Data communication

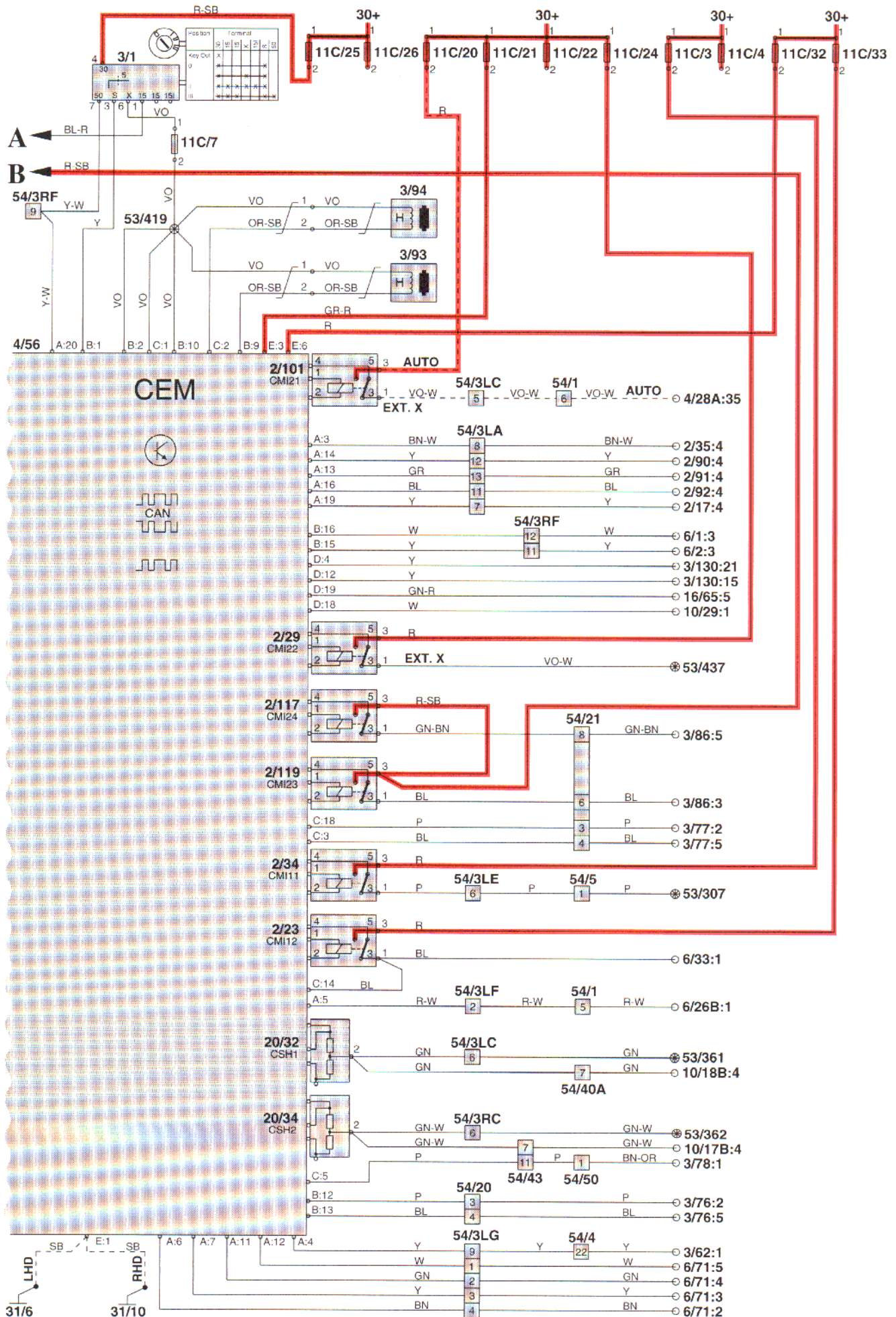


Data communication

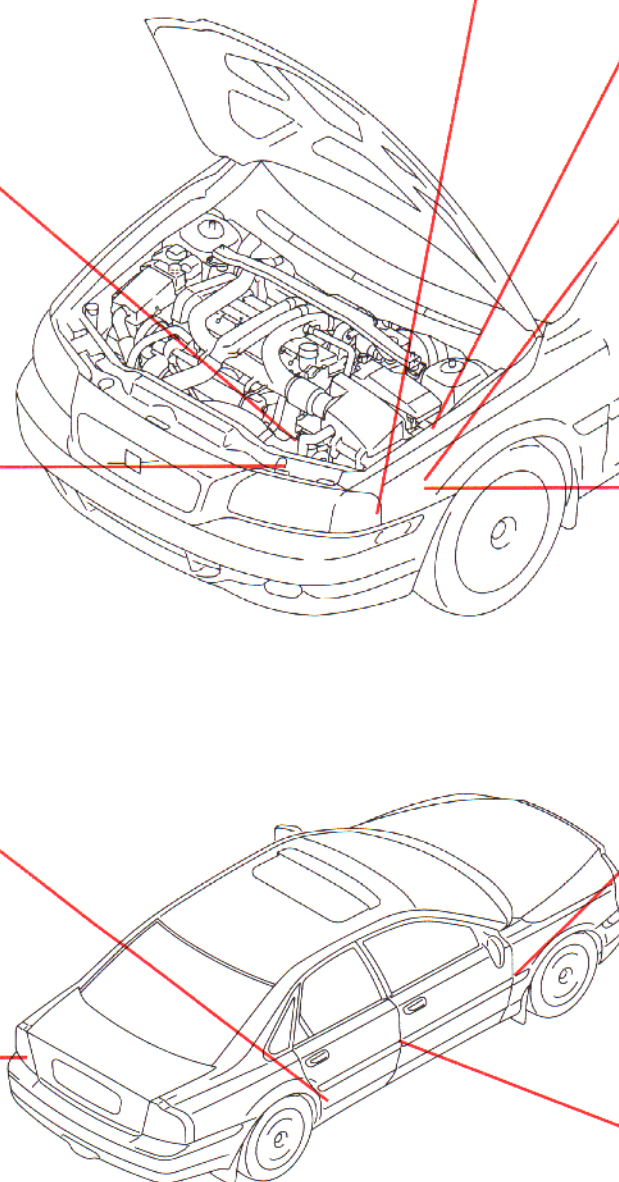
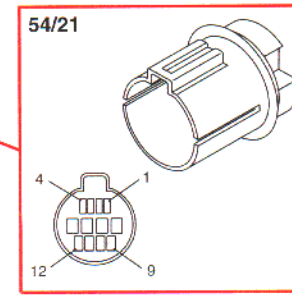
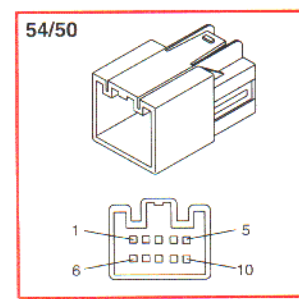
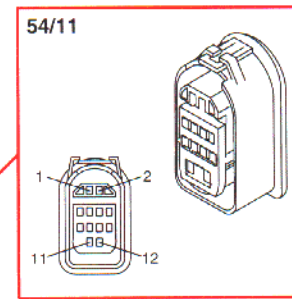
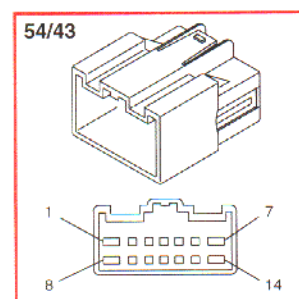
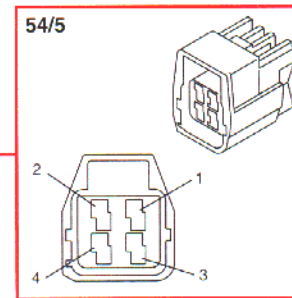
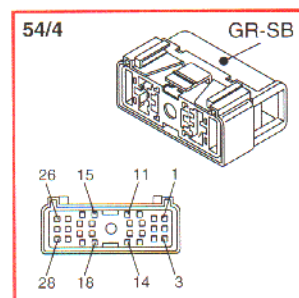
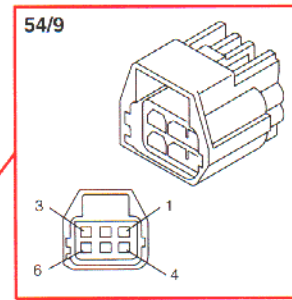
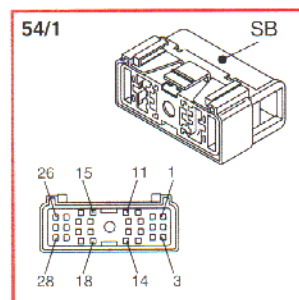
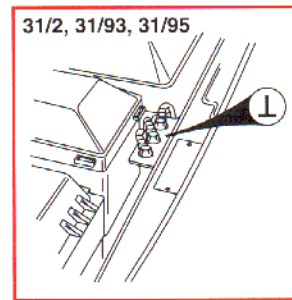
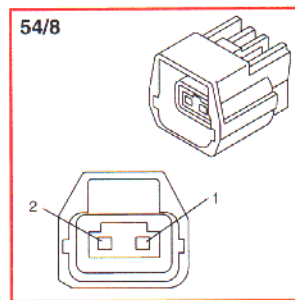
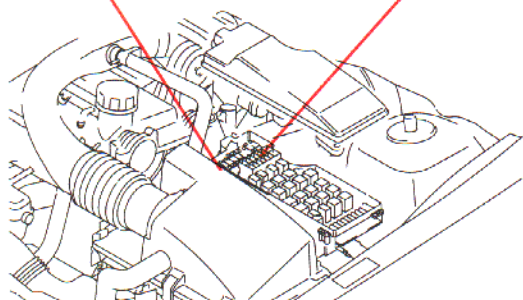
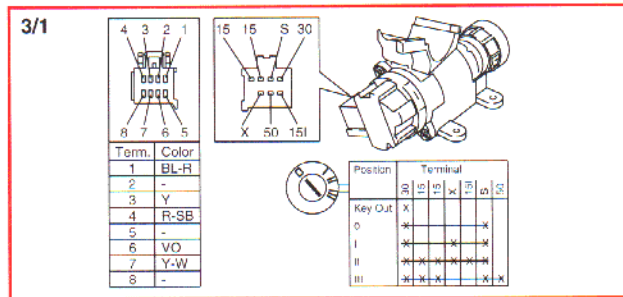
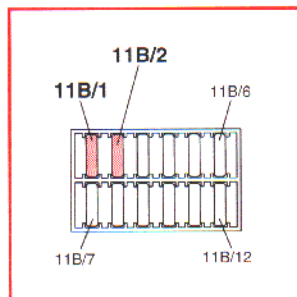
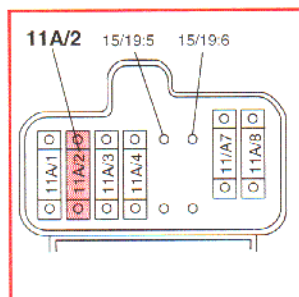




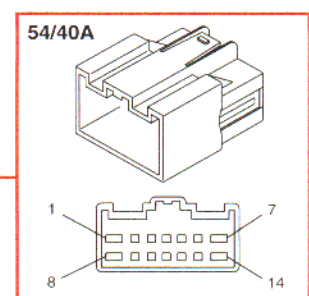
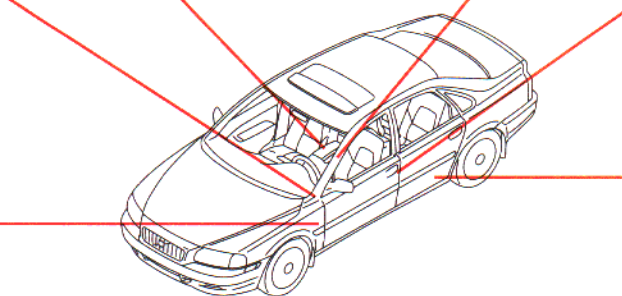
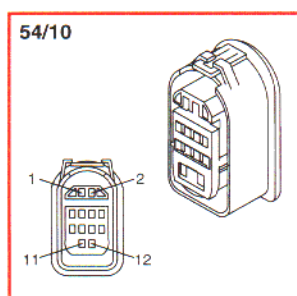
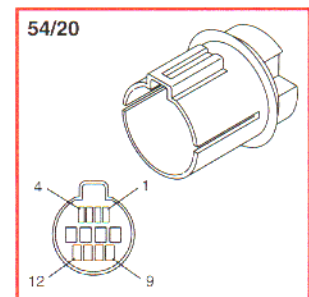
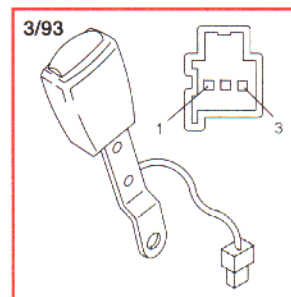
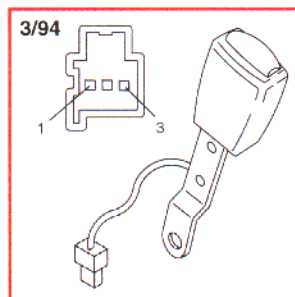
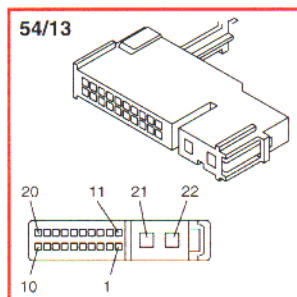
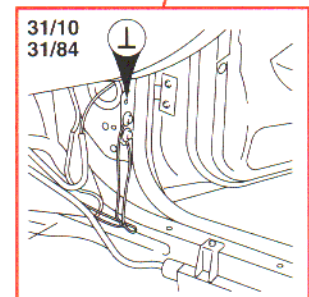
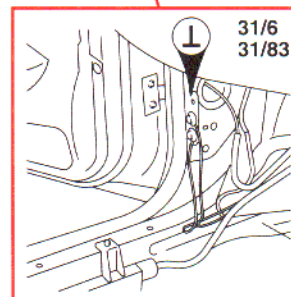
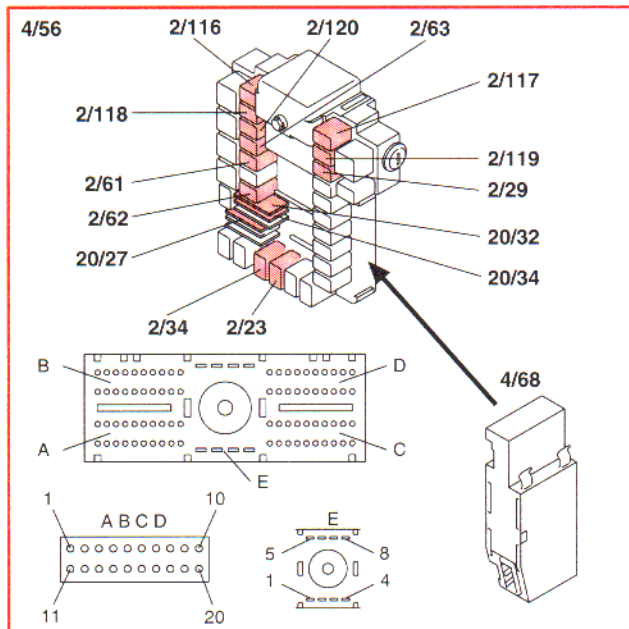
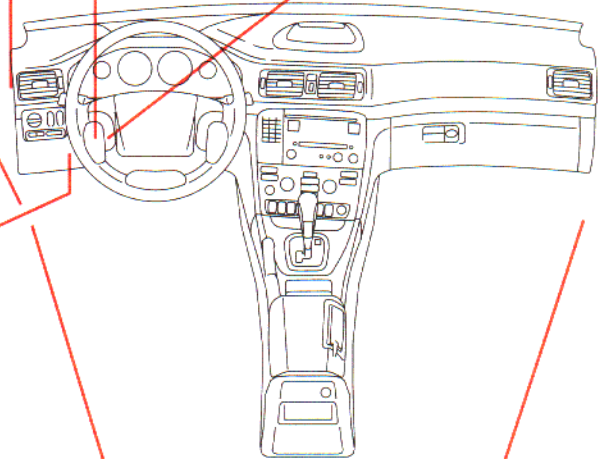
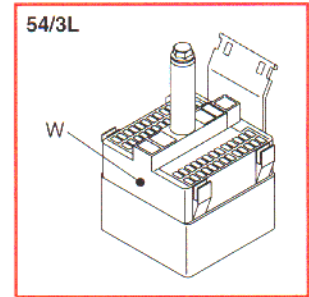
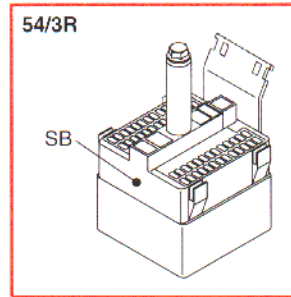
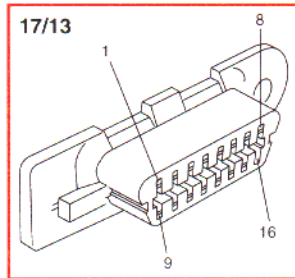
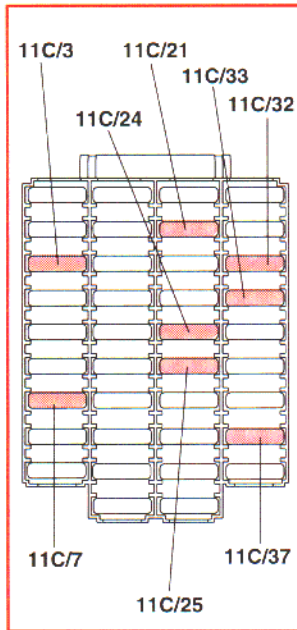
Electronic connection Central electronic module (CEM)



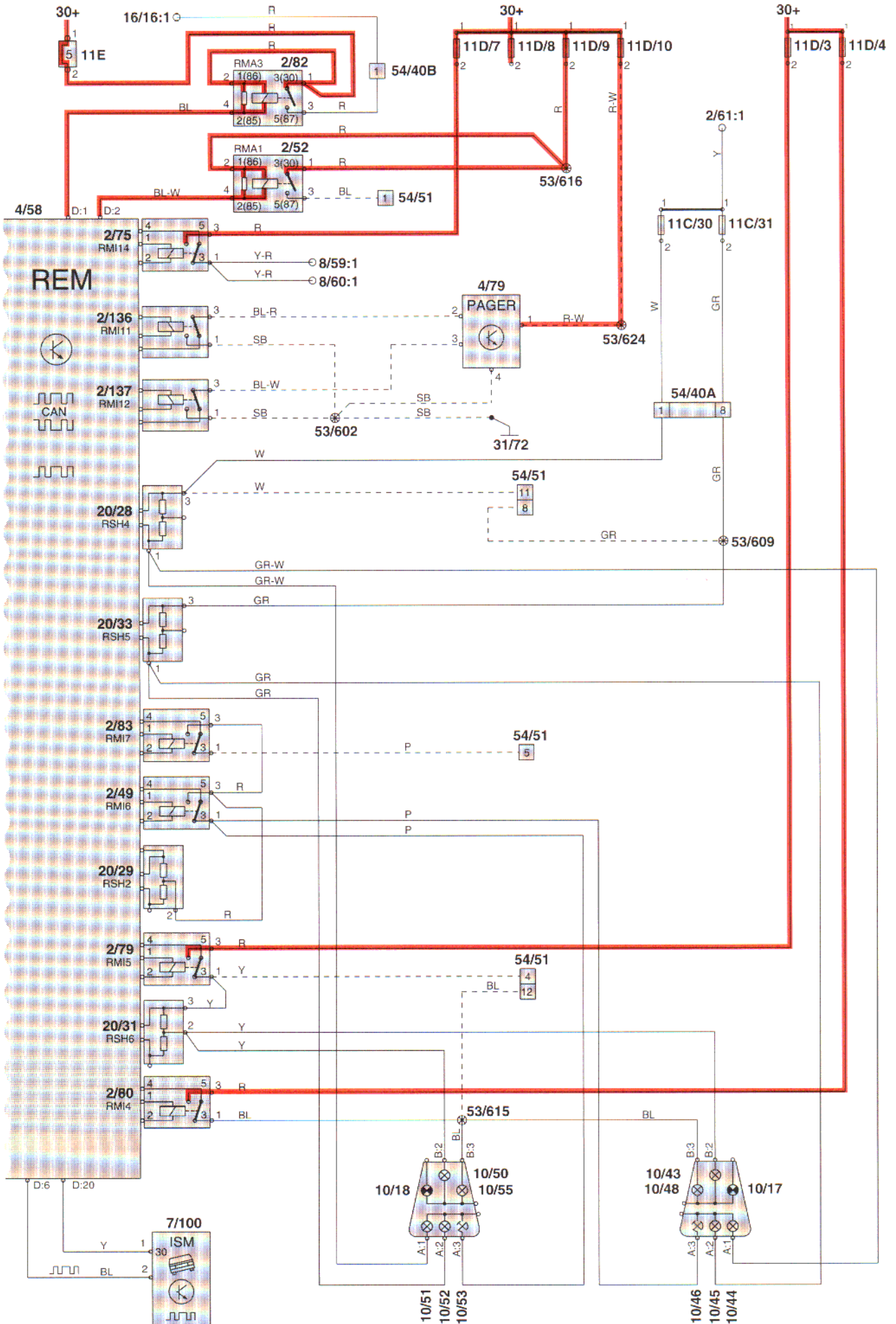
Electronic connection Central electronic module (CEM)



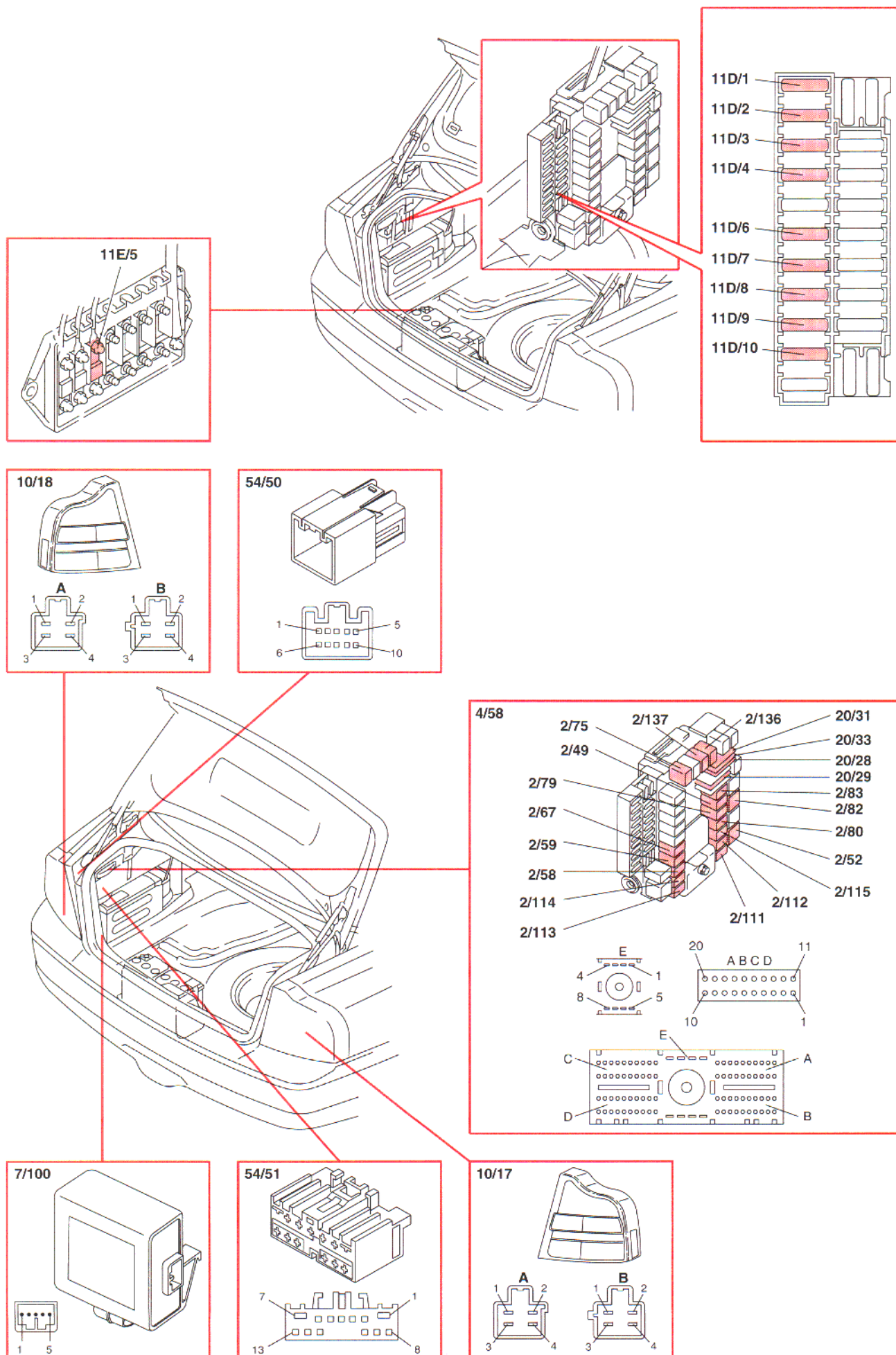
Electronic connection Central electronic module (CEM)



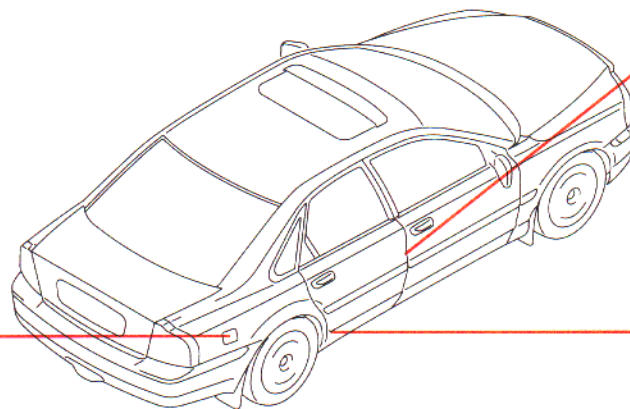
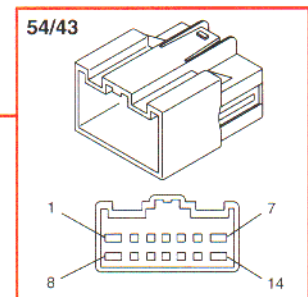
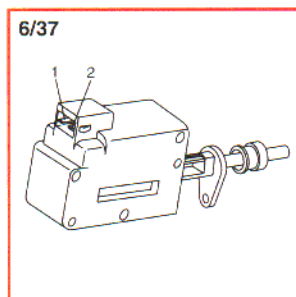
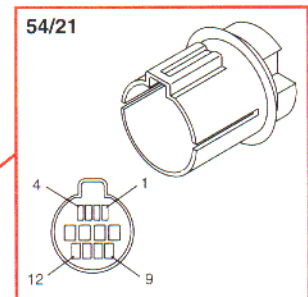
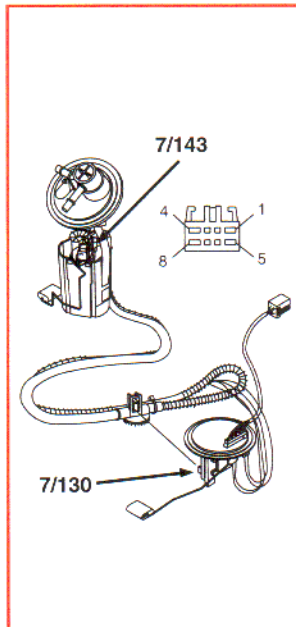
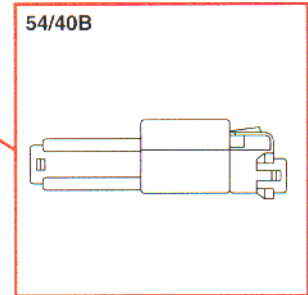
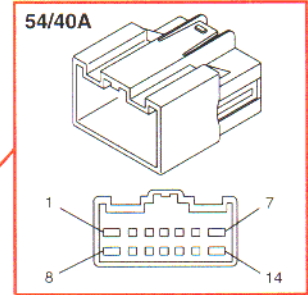
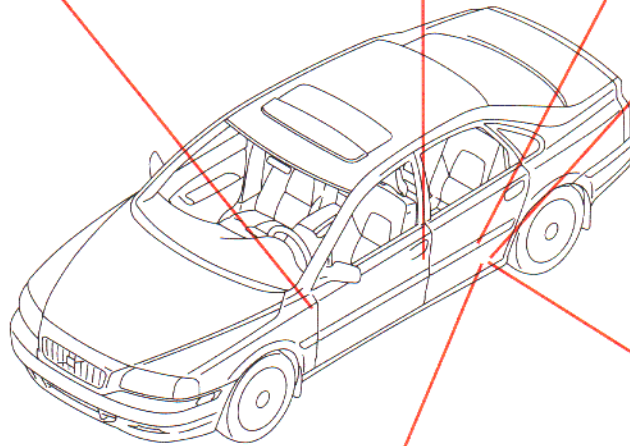
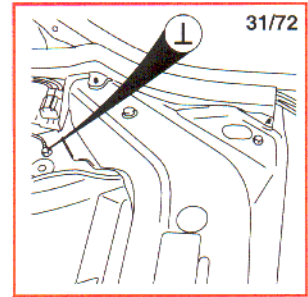
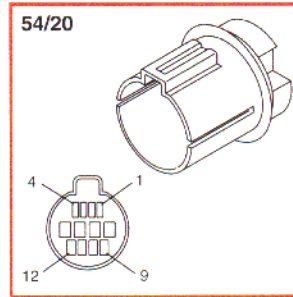
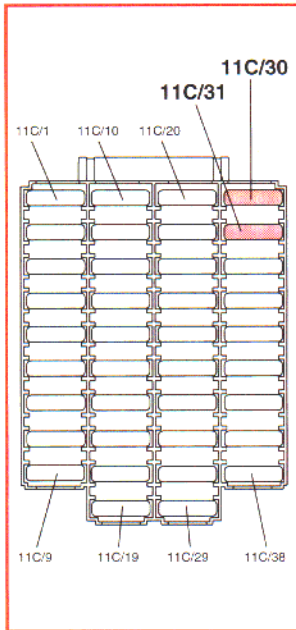
Electronic connection Rear electronic module (REM)



Electronic connection Rear electronic module (REM)



Electronic connection Rear electronic module (REM)



Fuses in engine compartment

Fuses, 11B, in the integrated relay/fusebox

No.	Fuse function	A
16	Accelerator pedal (AP) position sensor, Magnetic clutch A/C	20
17	Spark plugs with ignition coils, Relay A/C, EGR converter, Glow plug relay, Engine pad solenoid valve, Turbocharger (TC) control valve (Diesel), PTC resistor air preheating (Diesel), Relays coolant heater plugs	20
18	Engine control module (ECM), Injectors, Mass air flow (MAF) sensor (Gasoline), Air volume sensor (Diesel), Solenoid valve fuel quantity, Preset valve	15
19	Heated oxygen sensors (HO2S)	20
20	Emission control, Turbocharger (TC) control valve (Gasoline), PTC resistor air preheating (Gasoline), Air distribution valve	15
21	Electronic throttle module (ETM)	10

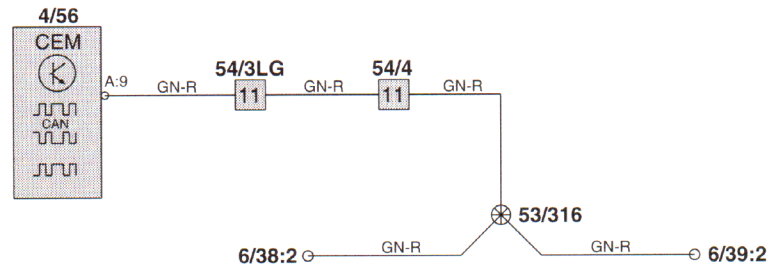
Passenger compartment fuses

Fuses, 11C, in the fusebox

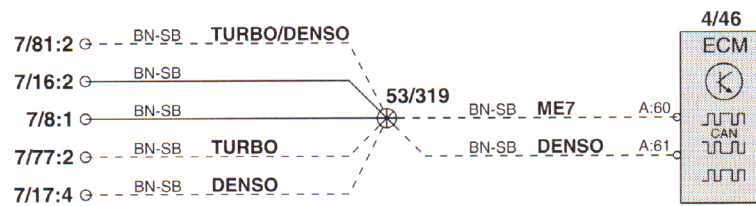
No.	Fuse function	A
1	Left low beam	10
2	Right low beam	10
3	Front fog lamps	15
4	Power driver's seat	30
5	Power passenger seat	30
6	-	
7	Central electronic module (CEM), Overload relay X+, SRS control module, Seat belt buckle electric switch	5
8	Heated seats	25
9	ABS braking system, Control module for steering angle sensor)	5
10	Left high beam	15
11	Right high beam	15
12	Headlamp wiper, Headlamp range adjustment	15
13	Cigarette lighter/12V socket front and rear	20
14	Power passenger seat	5
15	Radio (AUM), RTI display	5
16	Radio (AUM)	20
17	Amplifier	30
18	Carphone, RTI display	10
19	-	
20	Transmission control module (TCM) via increased X supply via relay automatic transmission	10
21	Via Central electronic module (CEM): Turn signal lamp	20
22	Electrical switch module steering wheel levers, Electrical switch module cruise control	5

- 53/316 (Cable harness front)
- 53/319 (Cable harness engine)
- 53/320 (Cable harness engine)
- 53/321 (Cable harness engine)

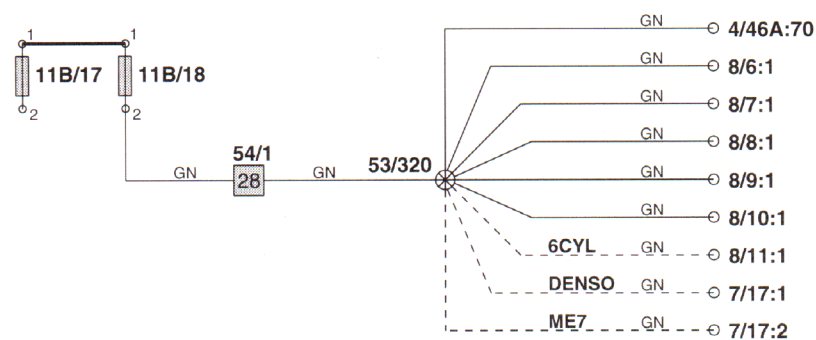
53/316



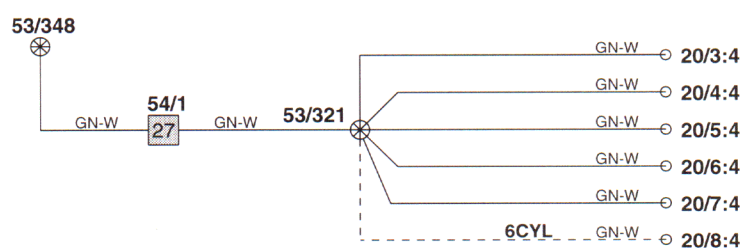
53/319 DENSO/ME7



53/320 DENSO/ME7



53/321



Junction points

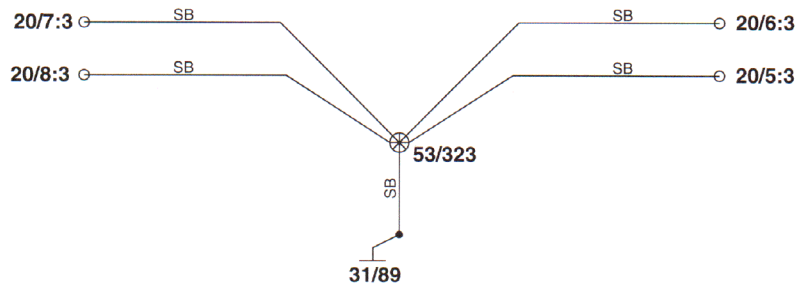
53/323 (Cable harness engine)

53/324 (Cable harness engine compartment)

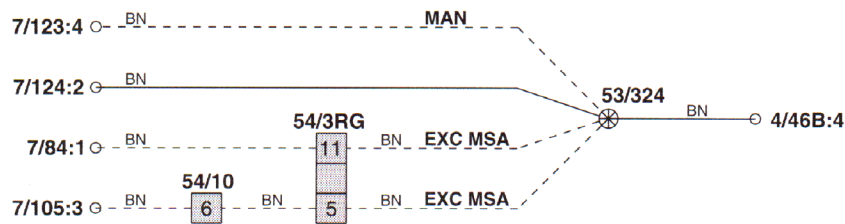
53/325 (Cable harness engine)

53/326 (Cable harness engine)

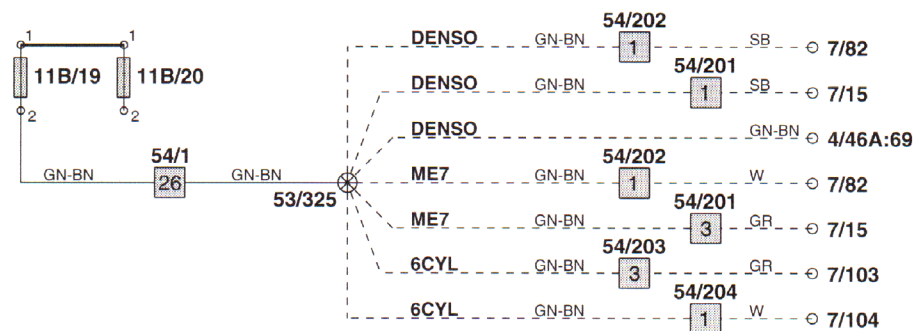
53/323 6CYL



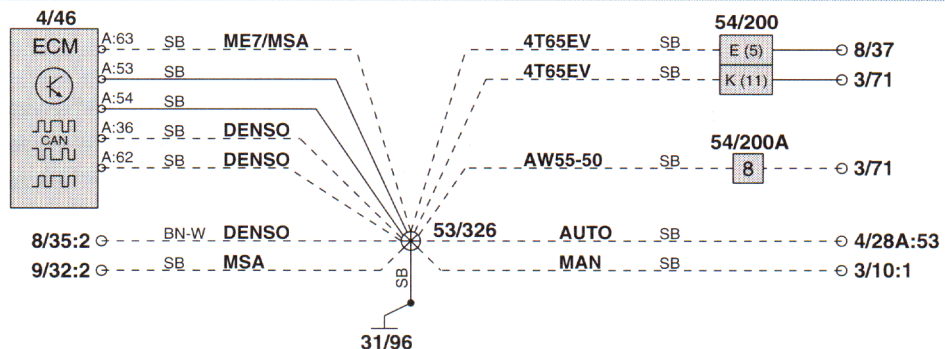
53/324



53/325



53/326



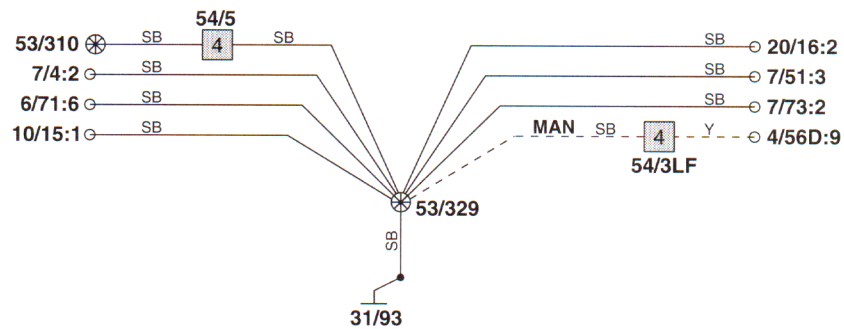
53/329 (Cable harness engine compartment)

53/331 (Cable harness engine compartment)

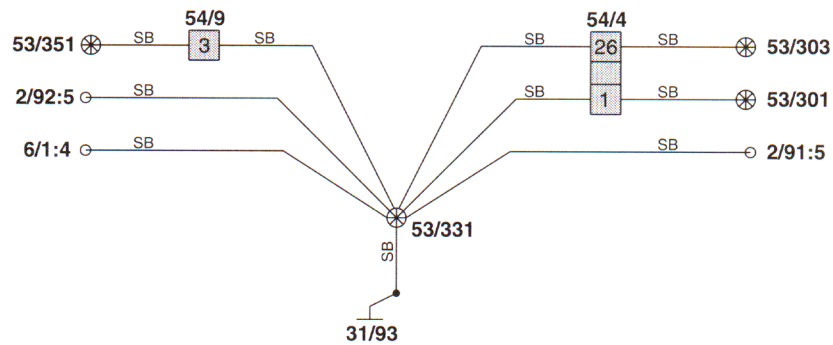
53/332 (Cable harness engine)

53/334 (Cable harness front)

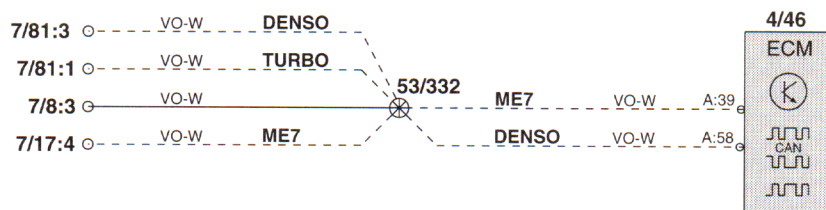
53/329



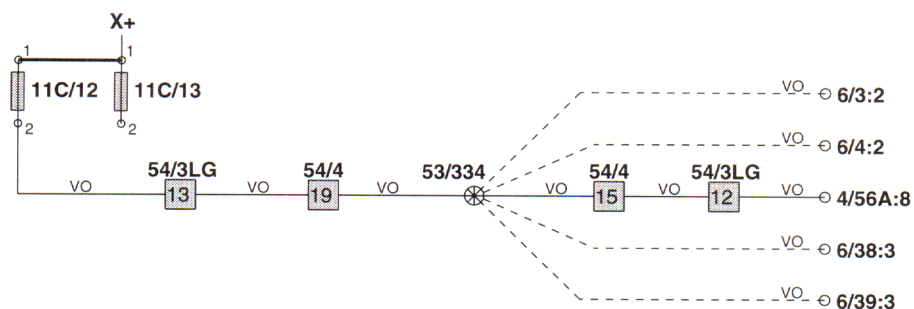
53/331



53/332 DENSO/ME7



53/334



Junction points

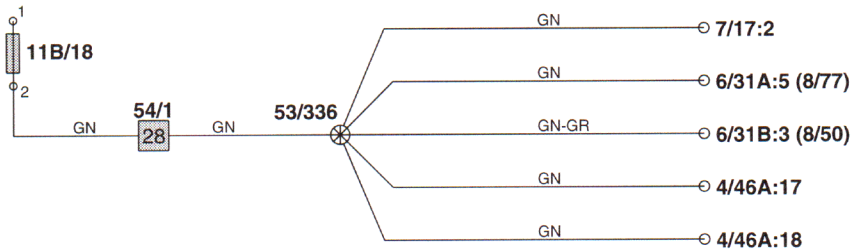
53/336 (Cable harness engine)

53/337 (Cable harness engine)

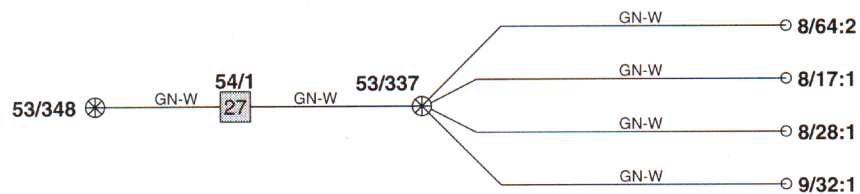
53/347 (Cable harness additional heater)

53/348 (Cable harness engine compartment)

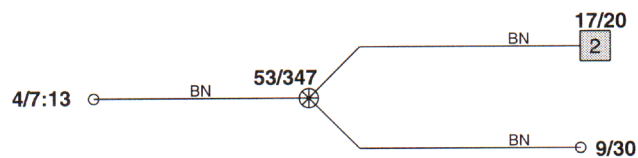
53/336 MSA



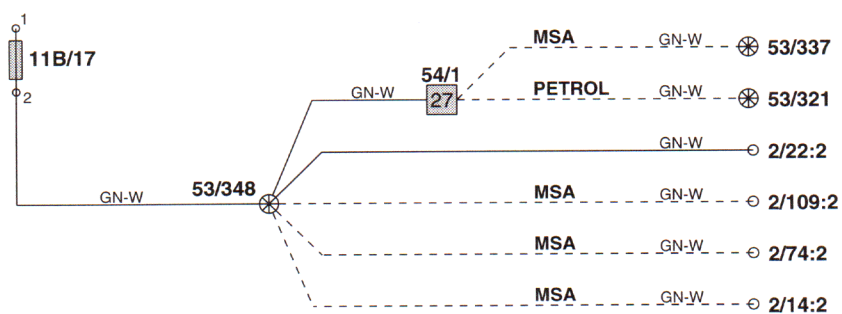
53/337 MSA



53/347

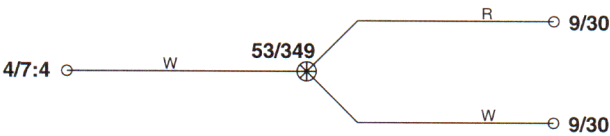


53/348

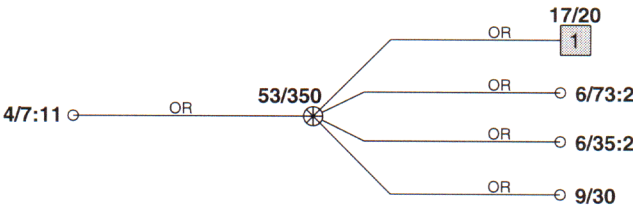


- 53/349 (Cable harness additional heater)
- 53/350 (Cable harness additional heater)
- 53/351 (Cable harness additional heater)
- 53/352 (Cable harness engine compartment)

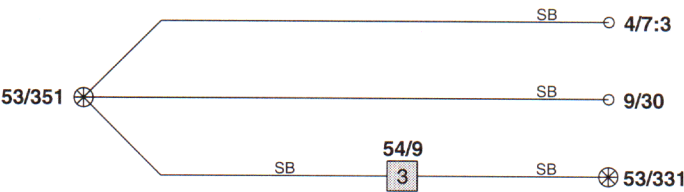
53/349



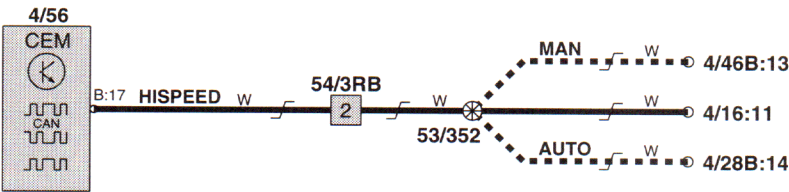
53/350



53/351



53/352



Junction points

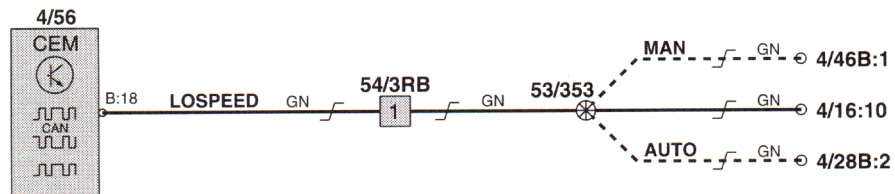
53/353 (Cable harness engine compartment)

53/357 (Cable harness engine)

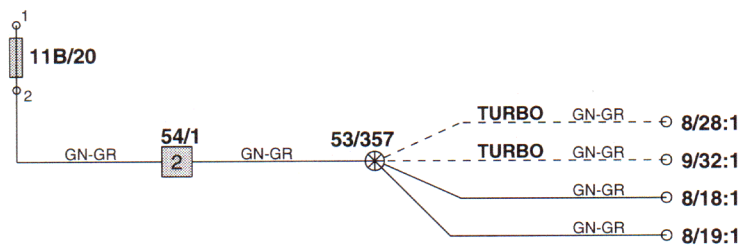
53/358 (Cable harness front)

53/360 (Cable harness engine)

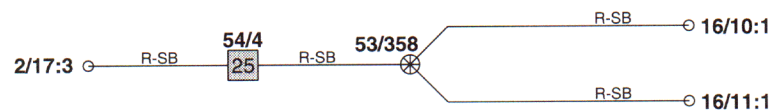
53/353



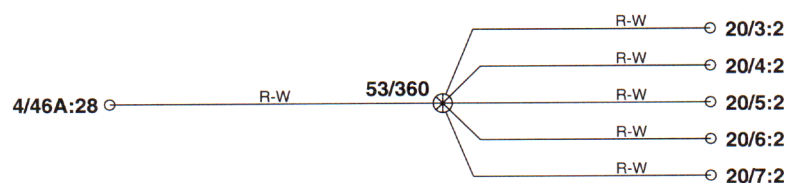
53/357 DENSO/ME7



53/358

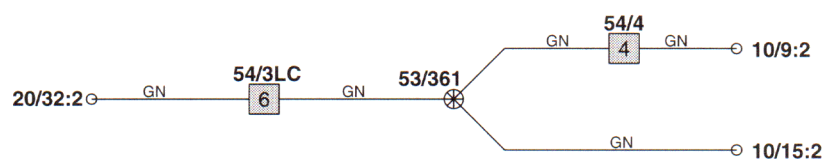


53/360 DENSO

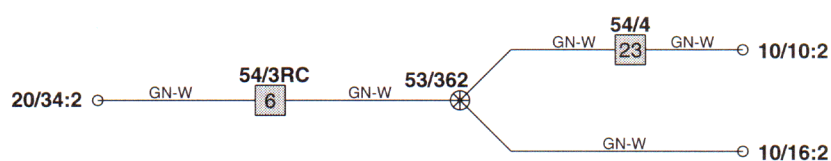


- 53/361 (Cable harness engine compartment)
- 53/362 (Cable harness engine compartment)
- 53/365 (Cable harness engine compartment)
- 53/400 (Cable harness passenger compartment)

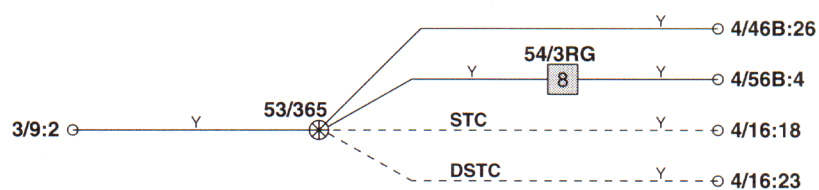
53/361



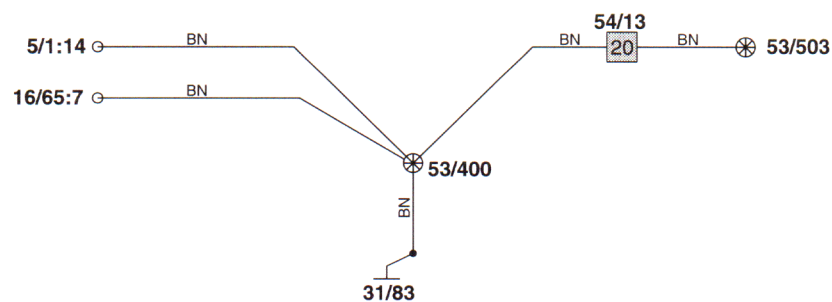
53/362



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53/400



Junction points

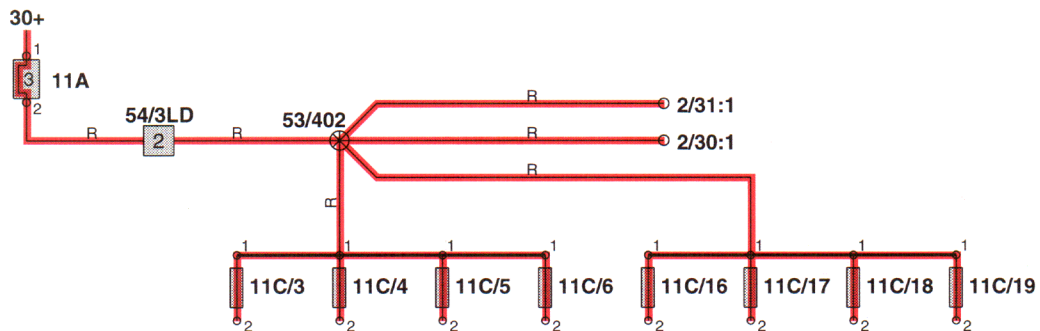
53/402 (Cable harness passenger compartment)

53/403 (Cable harness engine)

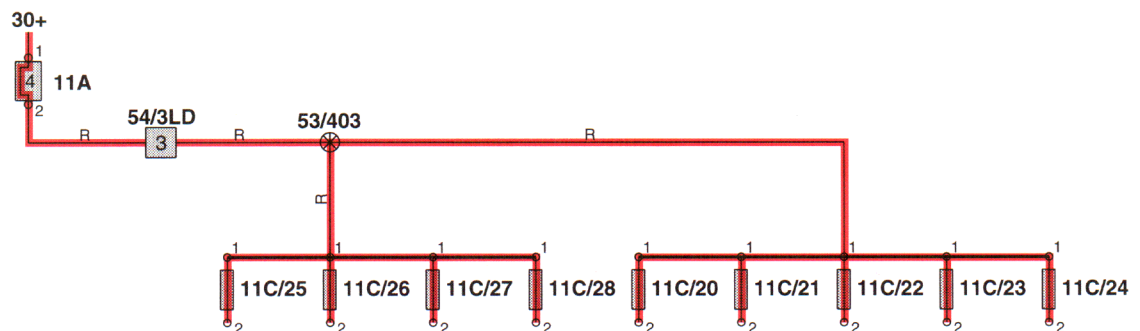
53/405 (Cable harness passenger compartment)

53/415 (Cable harness passenger compartment)

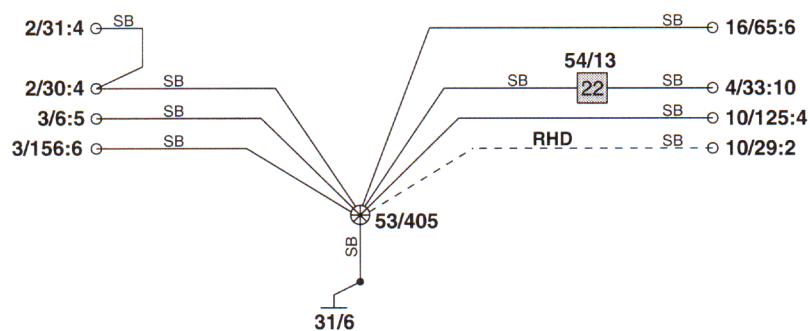
53/402



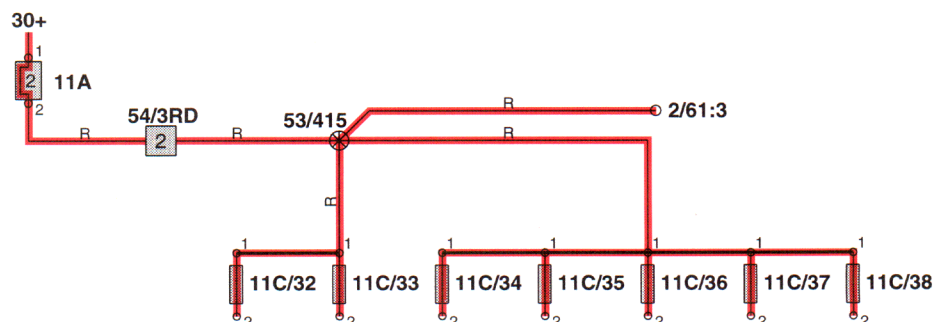
53/403



53/405



53/415



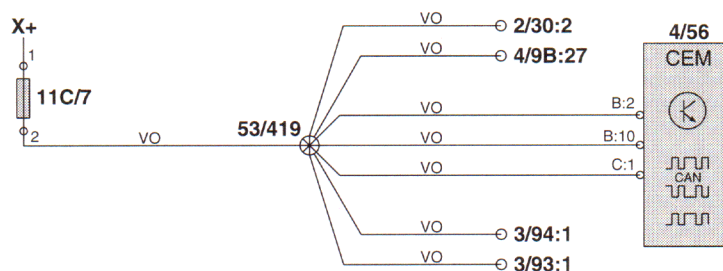
53/419 (Cable harness passenger compartment)

53/423 (Cable harness passenger compartment)

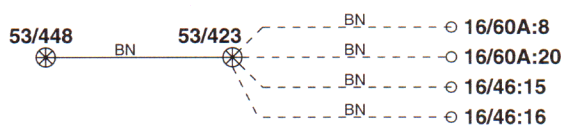
53/425 (Cable harness passenger compartment)

53/427 (Cable harness passenger compartment)

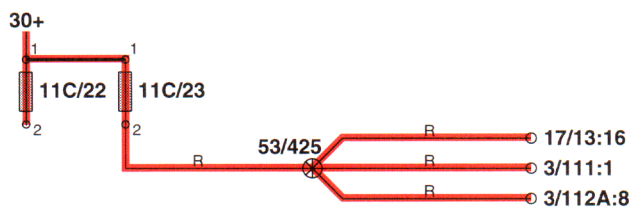
53/419



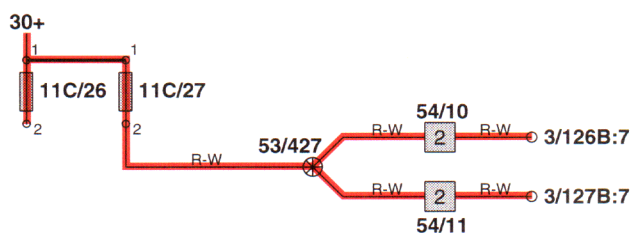
53/423



53/425



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Junction points

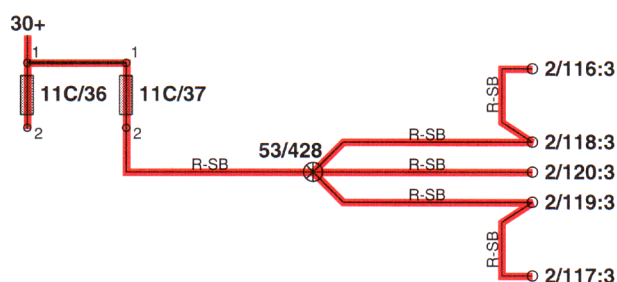
53/428 (Cable harness passenger compartment)

53/433 (Cable harness passenger compartment)

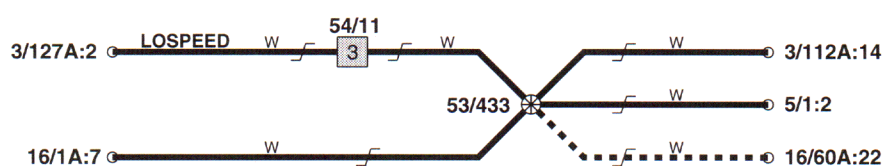
53/434 (Cable harness passenger compartment)

53/435 (Cable harness passenger compartment)

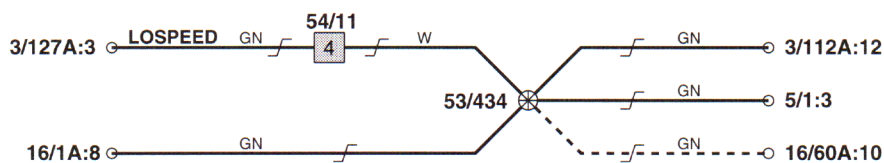
53/428



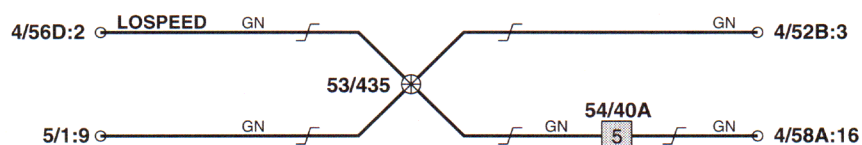
53/433



53/434



53/435



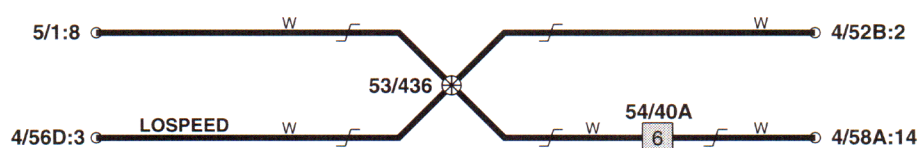
53/436 (Cable harness passenger compartment)

53/437 (Cable harness passenger compartment)

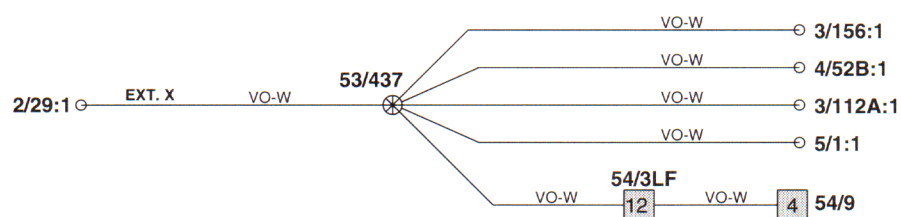
53/438 (Cable harness passenger compartment)

53/443 (Cable harness passenger compartment)

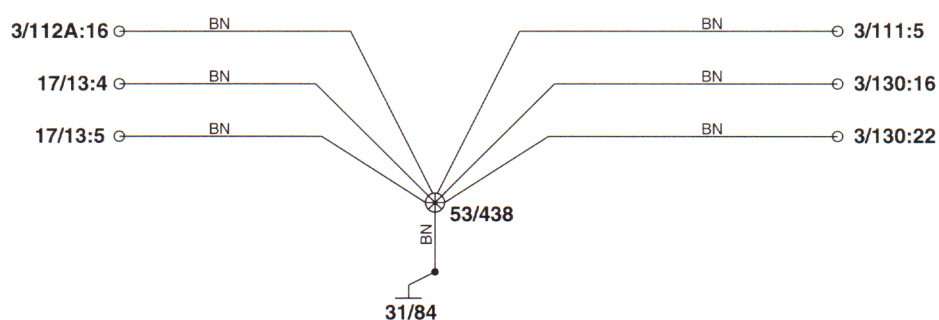
53/436



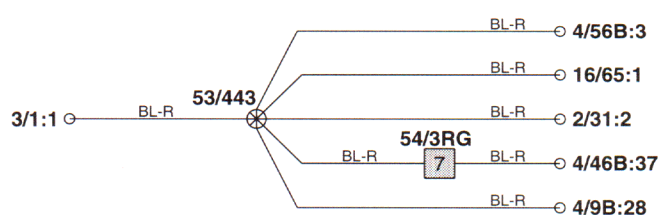
53/437



53/438



53/443



Junction points

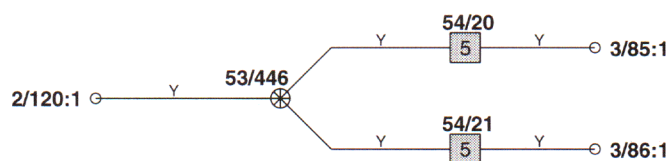
53/446 (Cable harness passenger compartment)

53/448 (Cable harness passenger compartment)

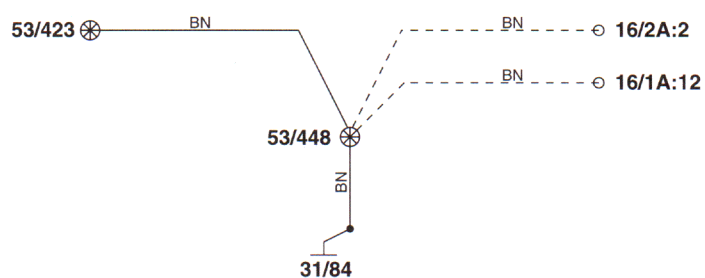
53/500 (Cable harness passenger compartment)

53/501 (Cable harness passenger compartment)

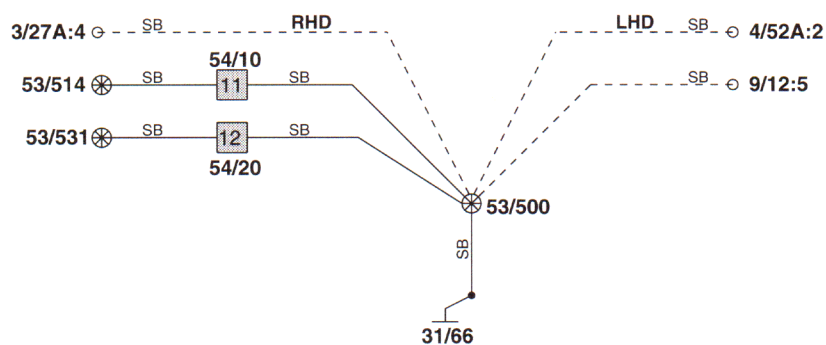
53/446



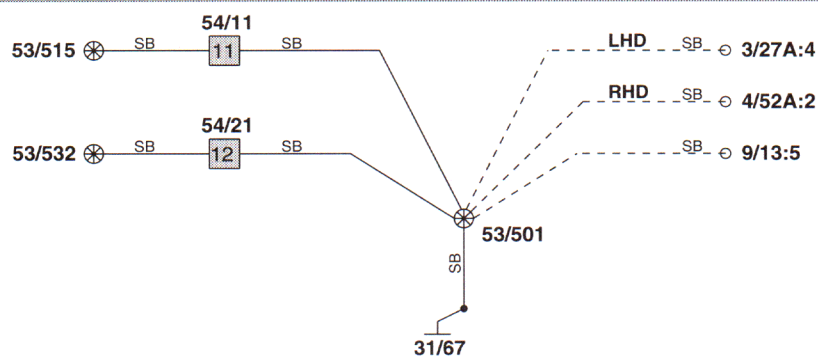
53/448



53/500



53/501



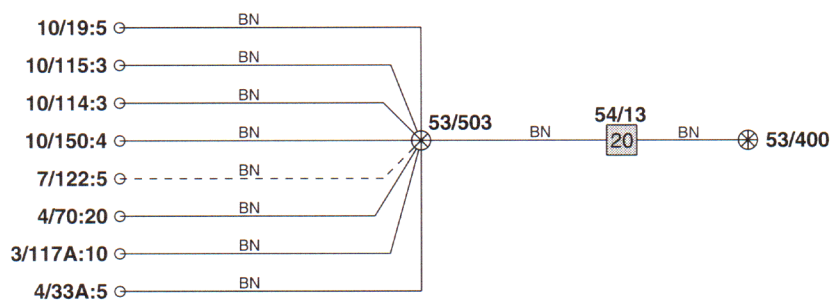
53/503 (Cable harness roof)

53/504 (Cable harness passenger compartment)

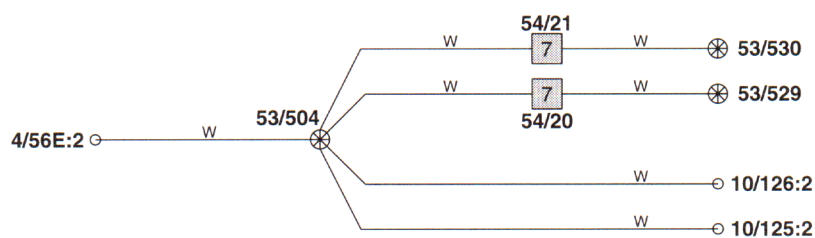
53/505 (Cable harness roof)

53/510 (Cable harness passenger compartment)

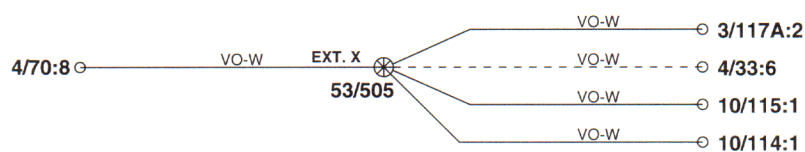
53/503



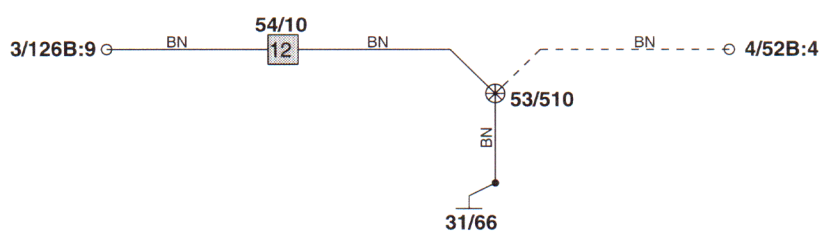
53/504



53/505



53/510



Junction points

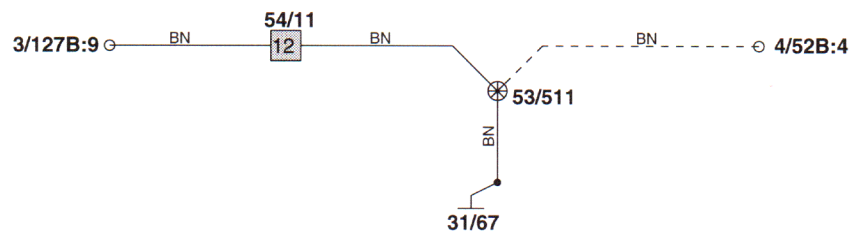
53/511 (Cable harness passenger compartment)

53/514 (Cable harness left front door)

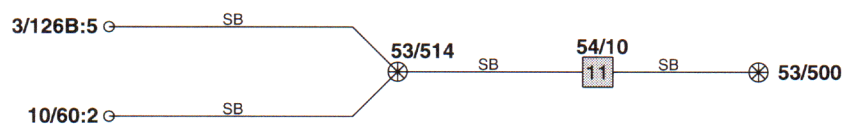
53/515 (Cable harness right front door)

53/516 (Cable harness passenger compartment)

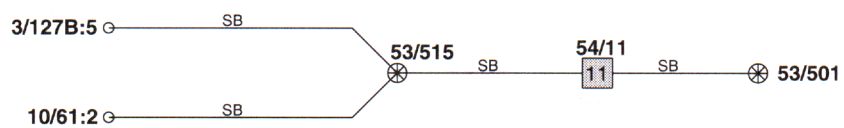
53/511



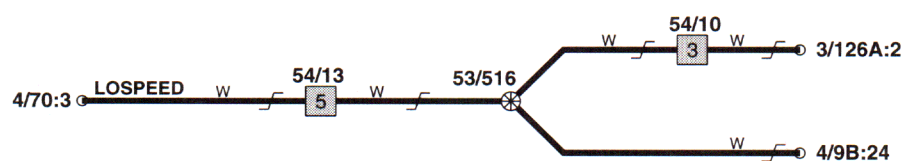
53/514



53/515



53/516



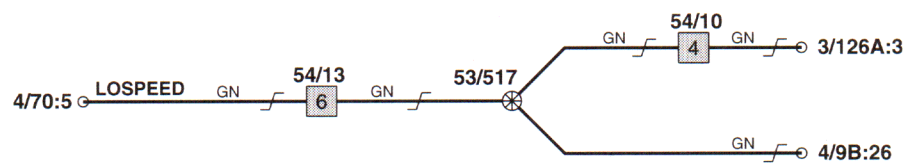
53/517 (Cable harness passenger compartment)

53/531 (Cable harness left rear door)

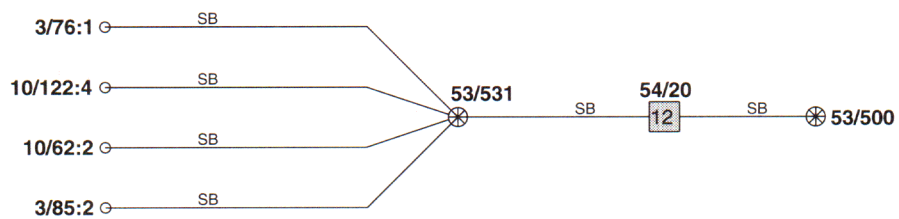
53/532 (Cable harness right rear door)

53/533 (Cable harness roof)

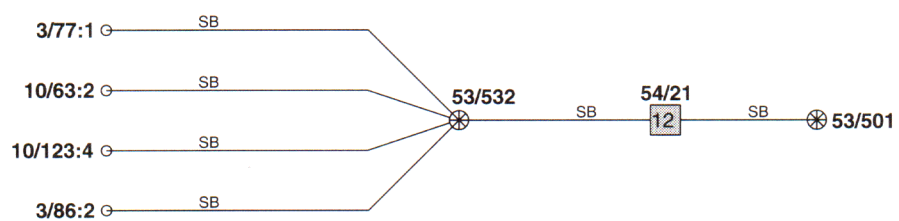
53/517



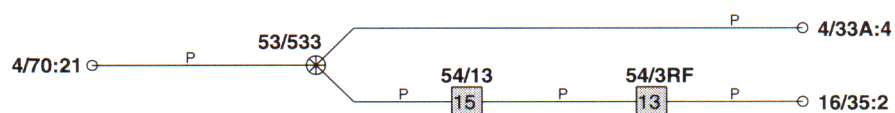
53/531



53/532



53/533



Junction points

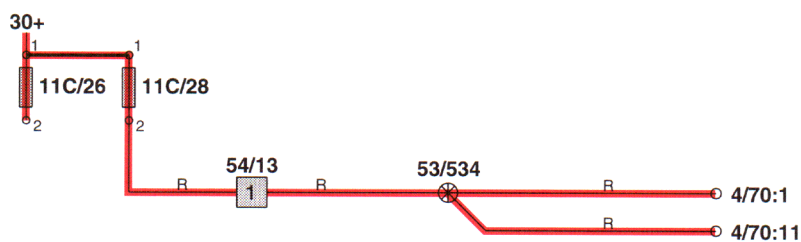
53/534 (Cable harness roof)

53/601 (Cable harness cargo compartment)

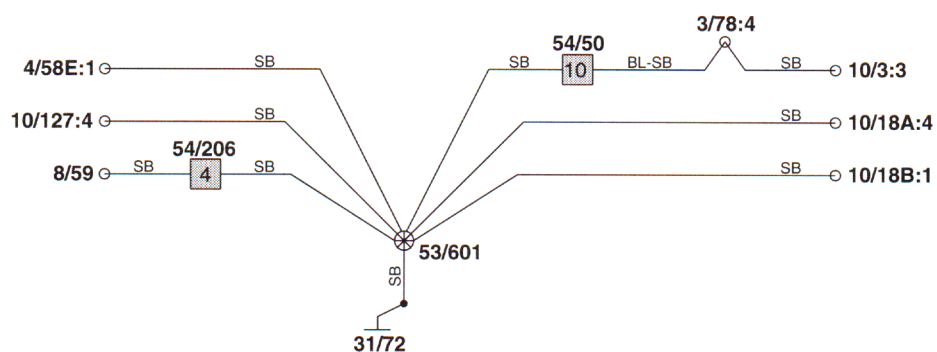
53/602 (Cable harness cargo compartment)

53/604 (Cable harness cargo compartment)

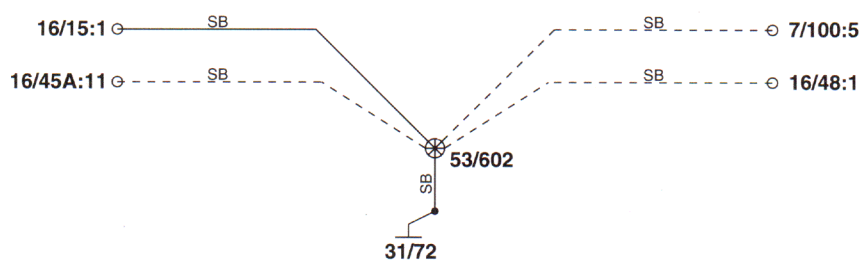
53/534



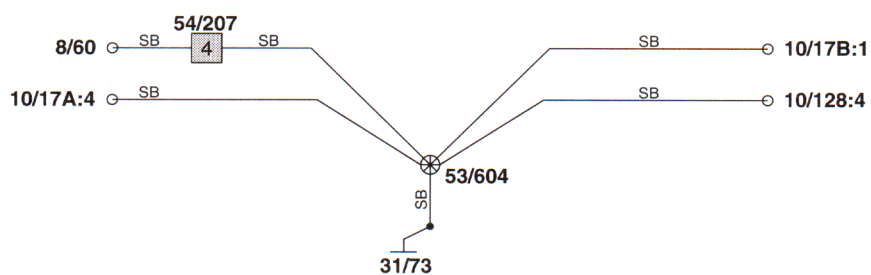
53/601



53/602

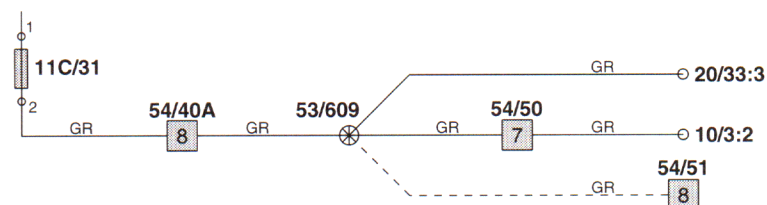


53/604

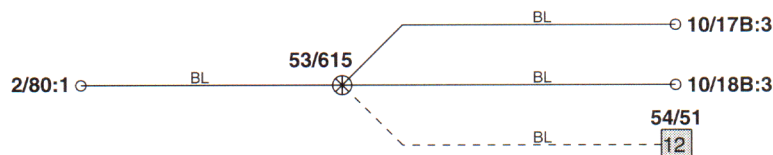


- 53/609 (Cable harness cargo compartment)
- 53/615 (Cable harness cargo compartment)
- 53/616 (Cable harness cargo compartment)
- 53/624 (Cable harness cargo compartment)
- 53/625 (Cable harness cargo compartment)

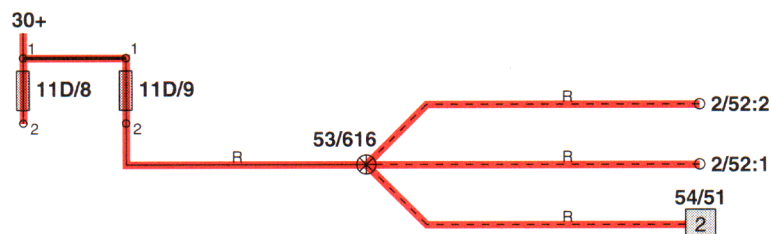
53/609



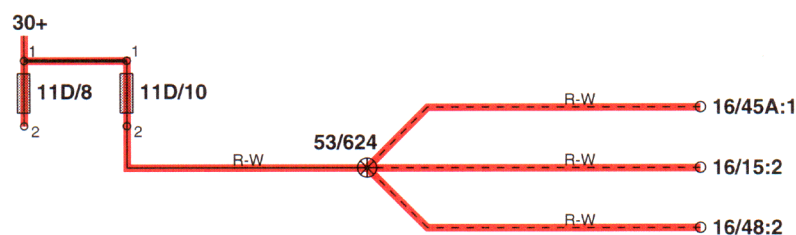
53/615



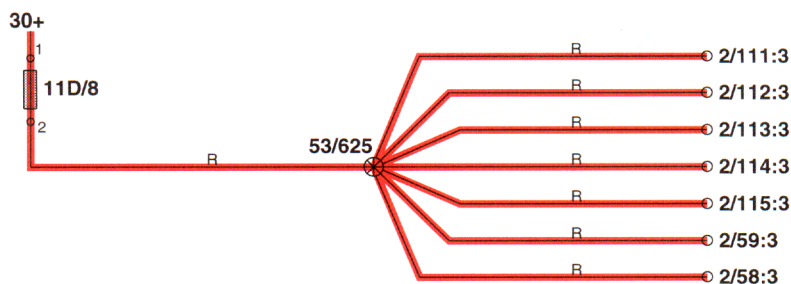
53/616



53/624

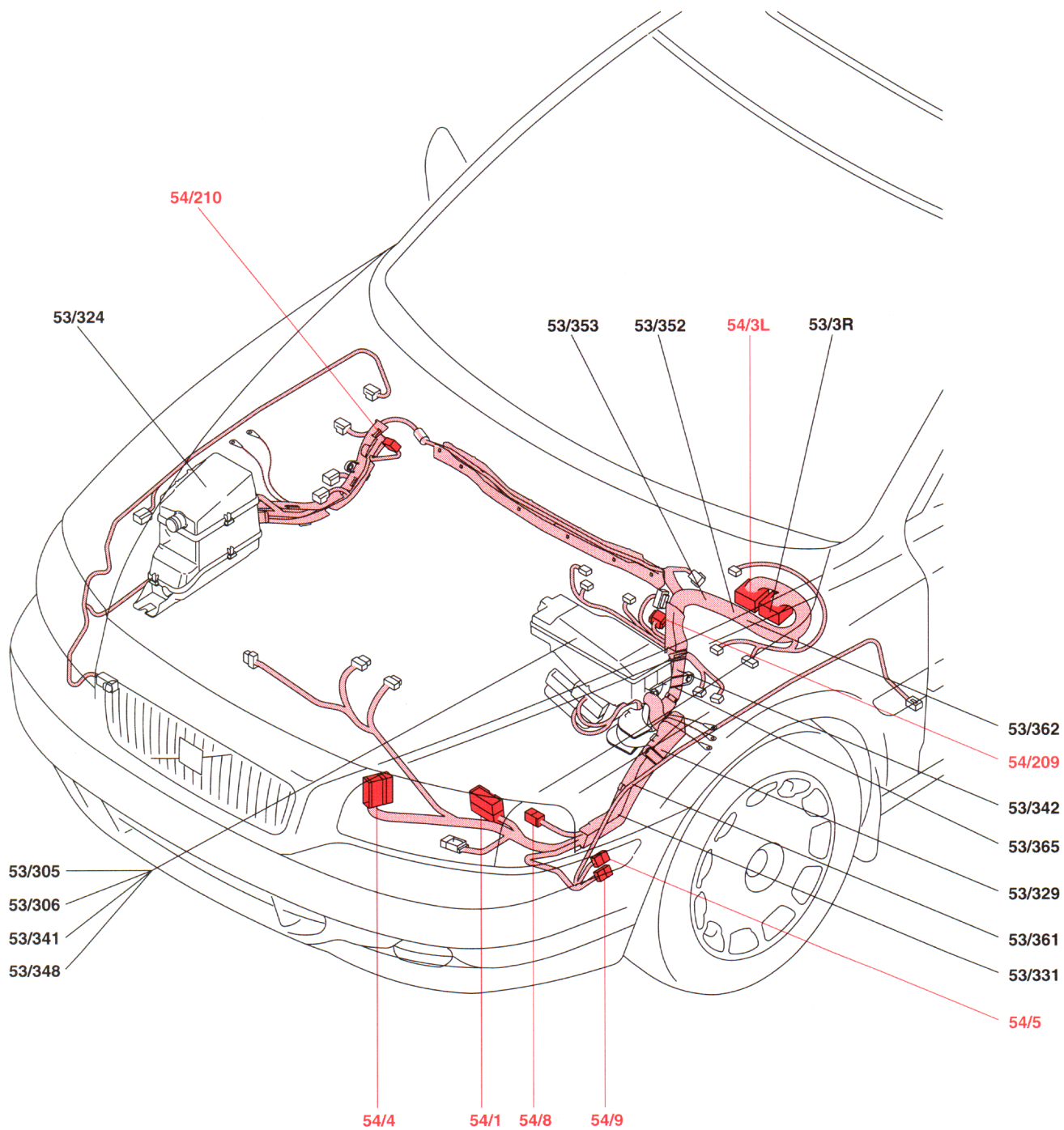


53/625



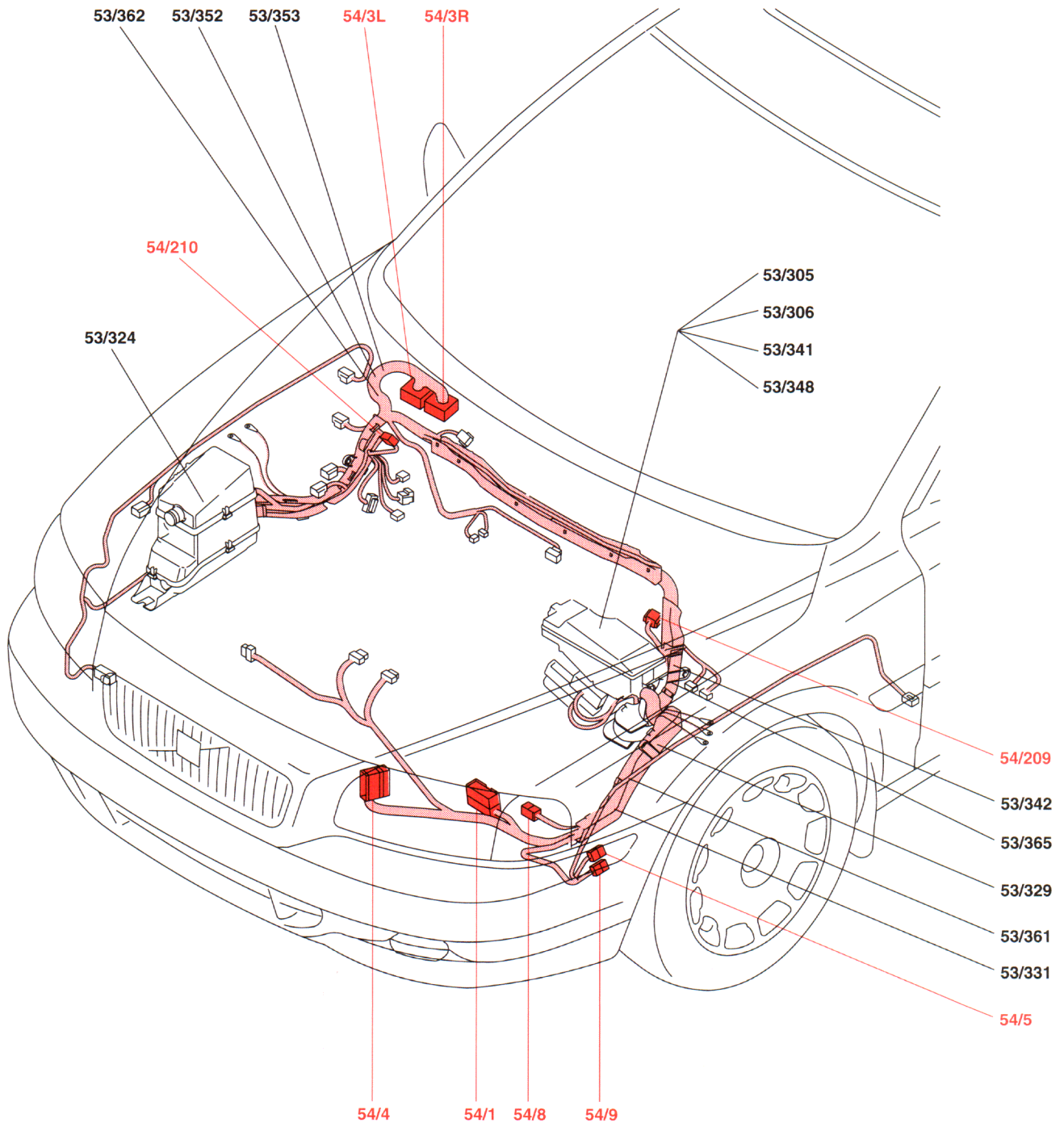
Routing of cable harnesses in the car

Engine compartment cable harness (LHD)



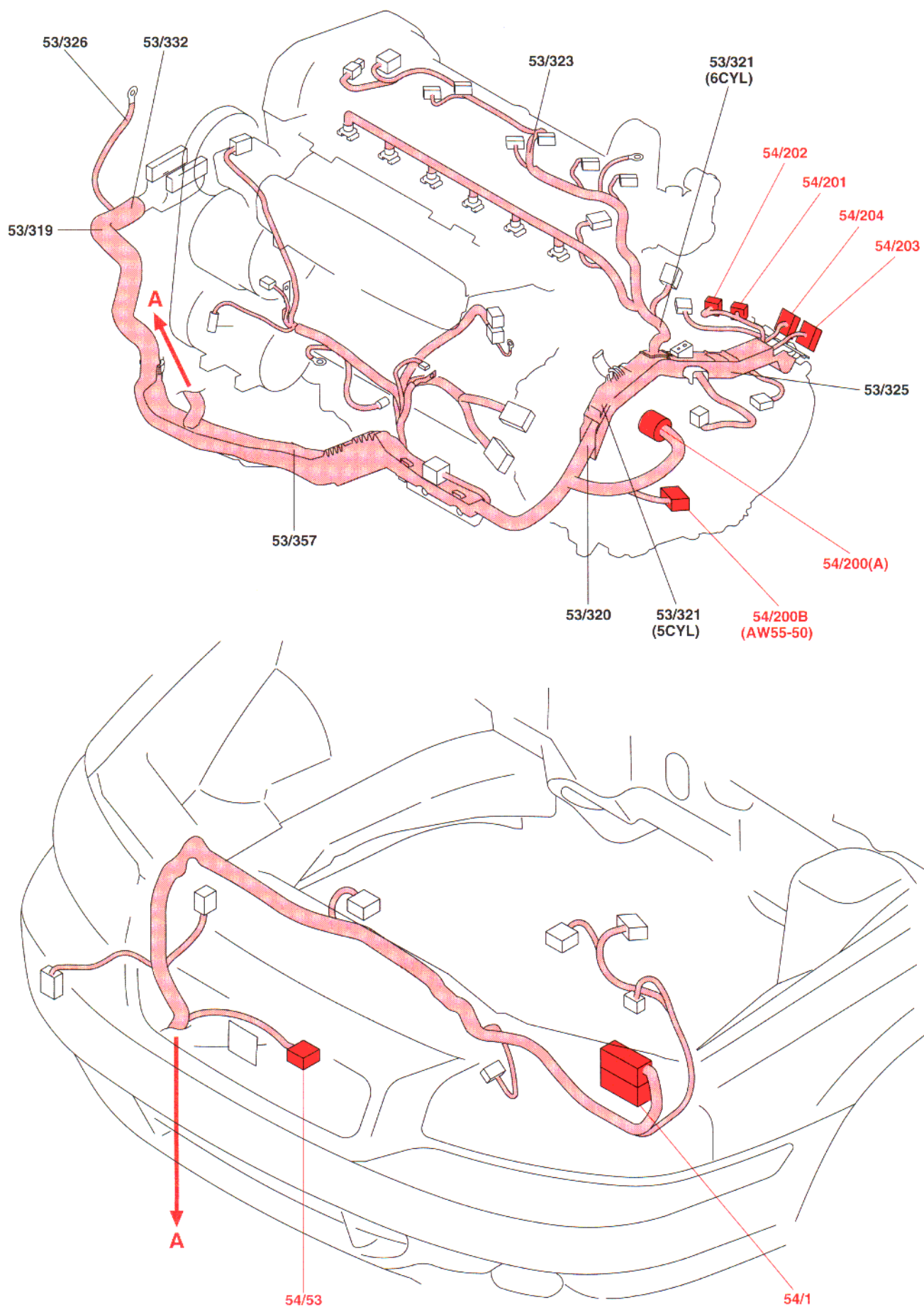
Routing of cable harnesses in the car

Engine compartment cable harness (RHD)



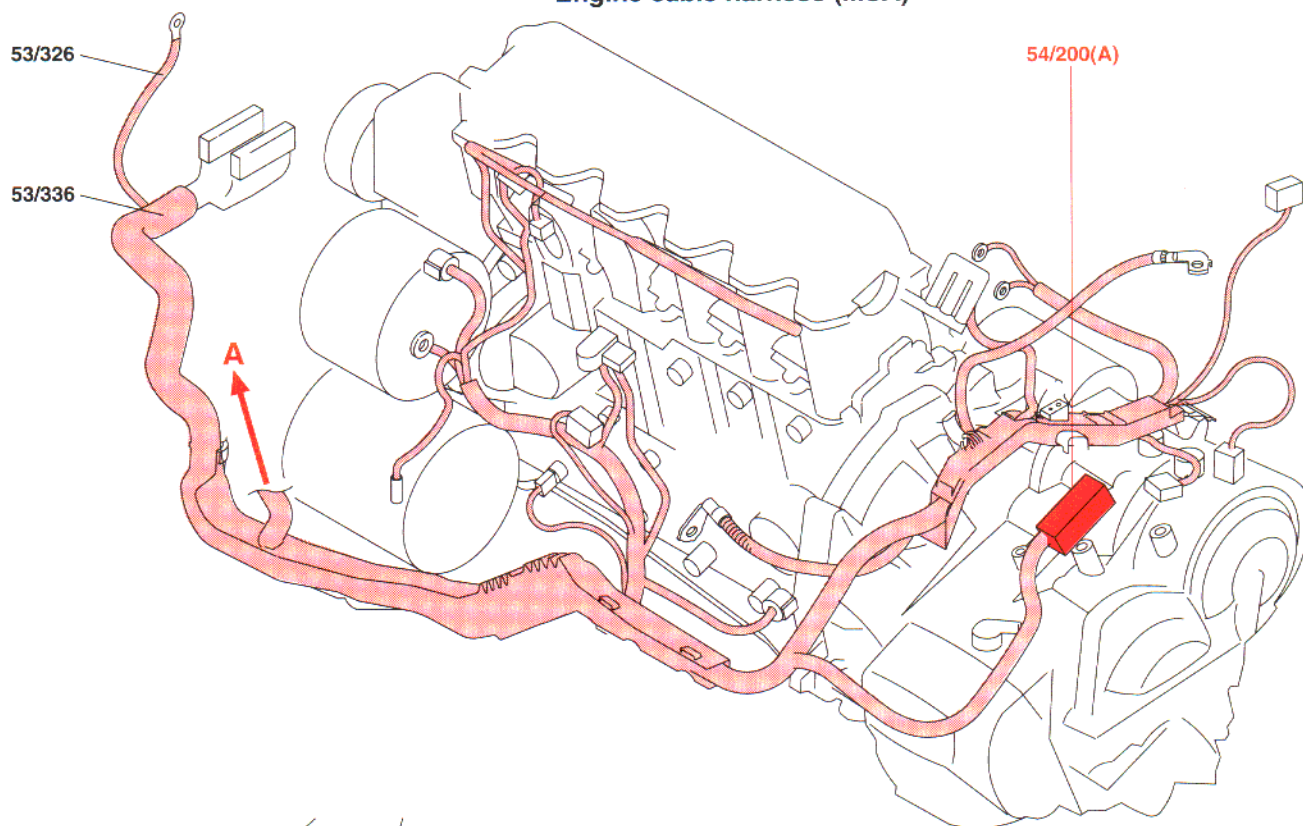
Routing of cable harnesses in the car

Engine cable harness (DENSO/ME7)



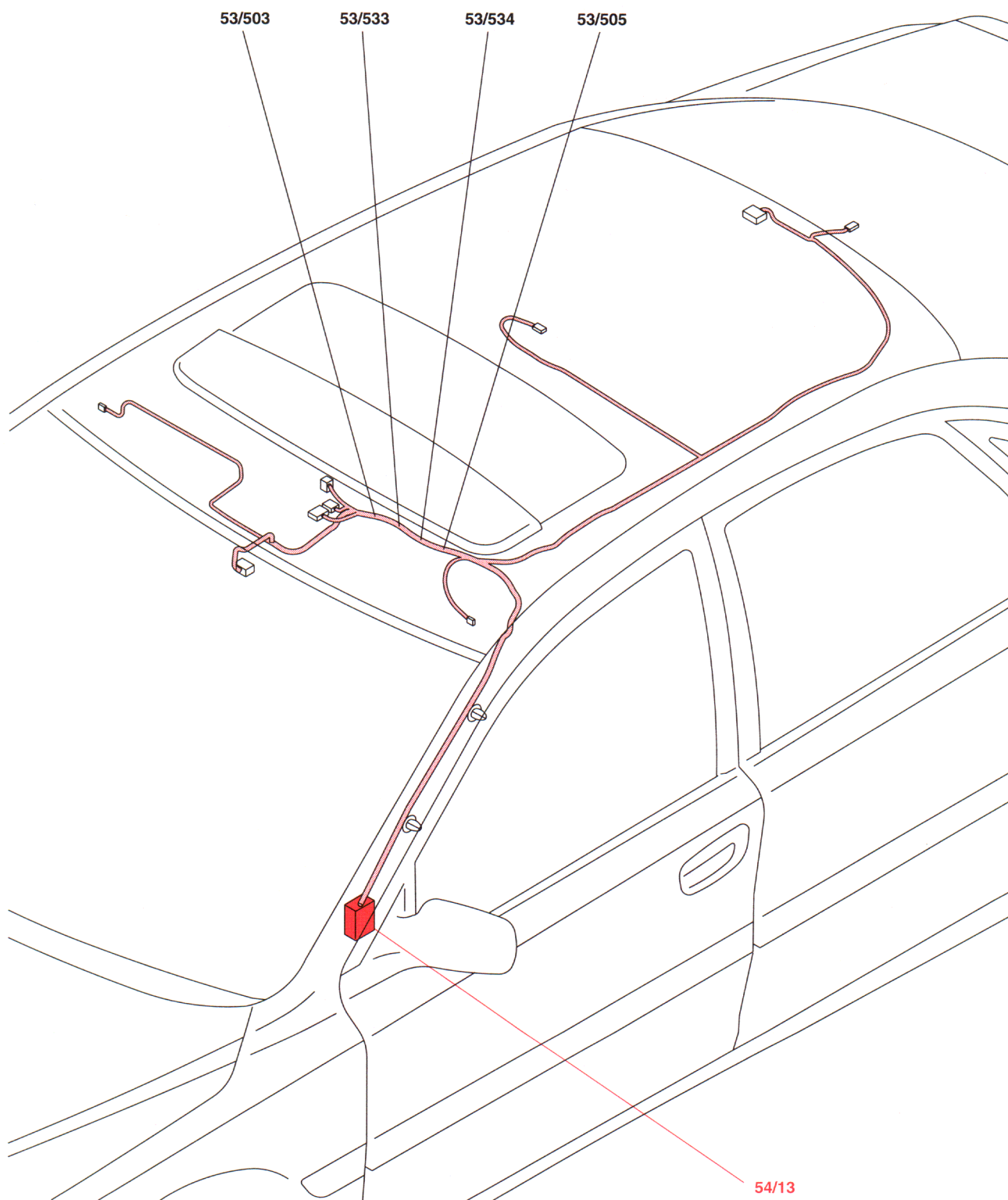
Routing of cable harnesses in the car

Engine cable harness (MSA)



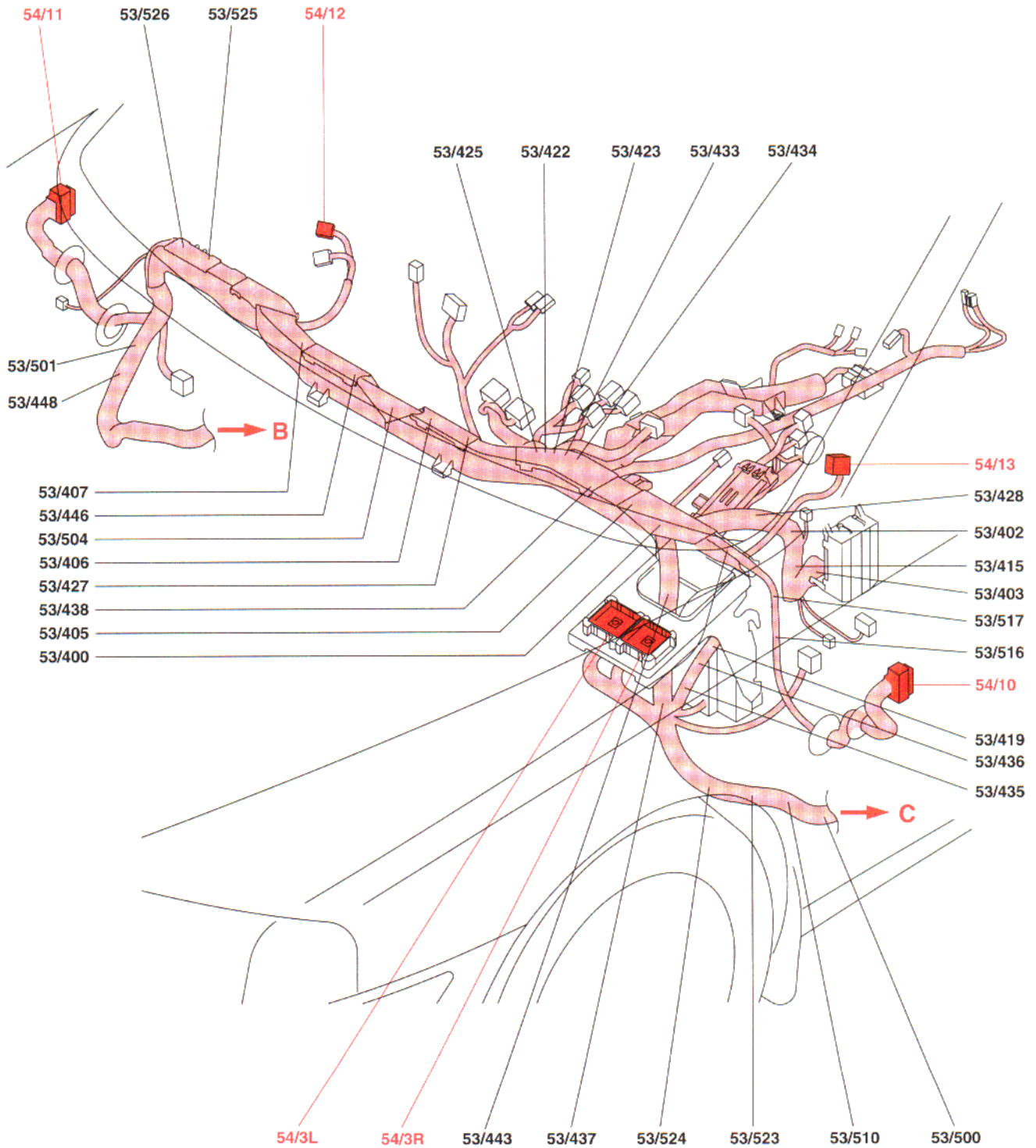
Routing of cable harnesses in the car

Roof cable harness



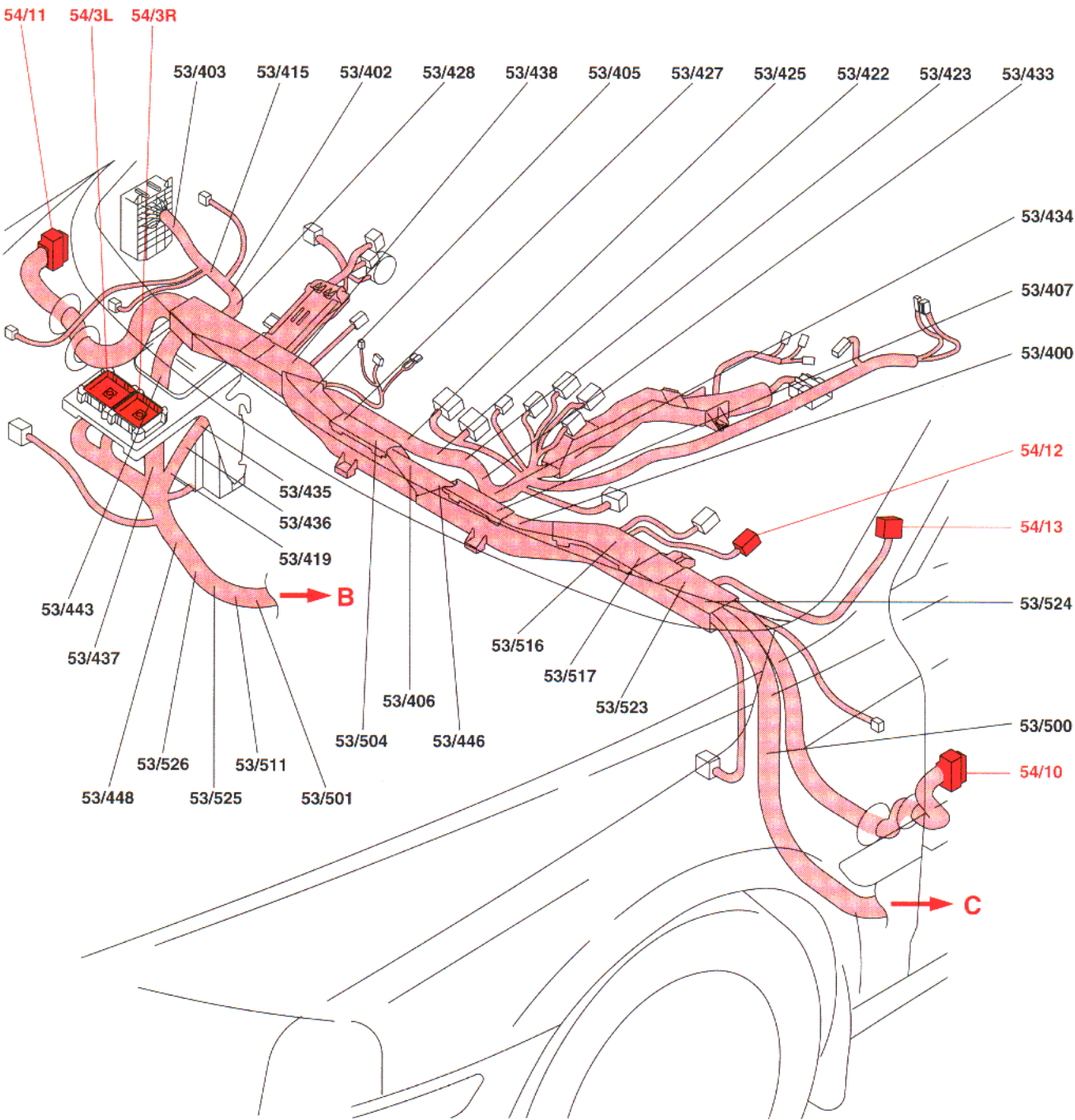
Routing of cable harnesses in the car

Passenger compartment cable harness, front section (LHD)



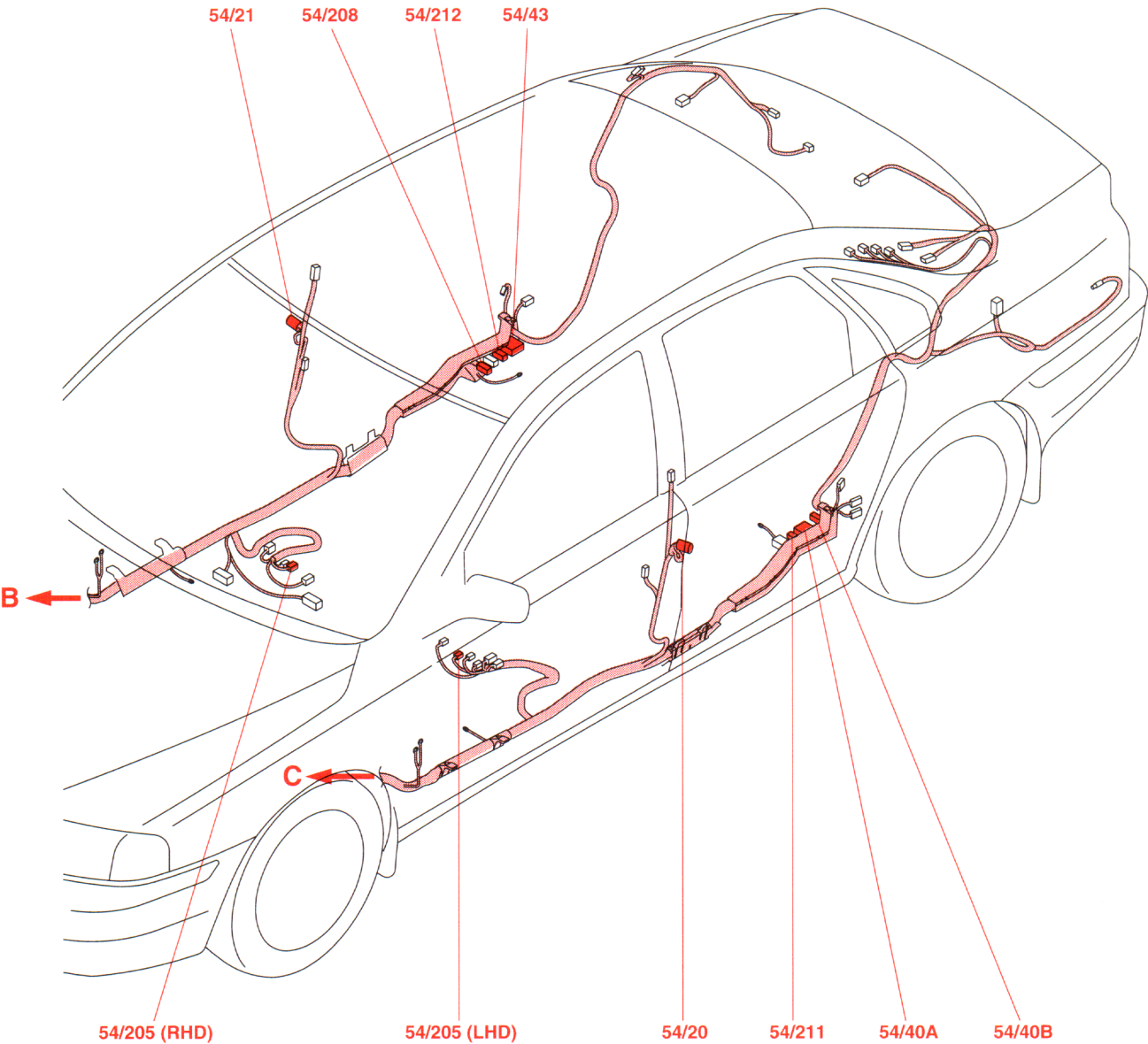
Routing of cable harnesses in the car

Passenger compartment cable harness, front section (RHD)



Routing of cable harnesses in the car

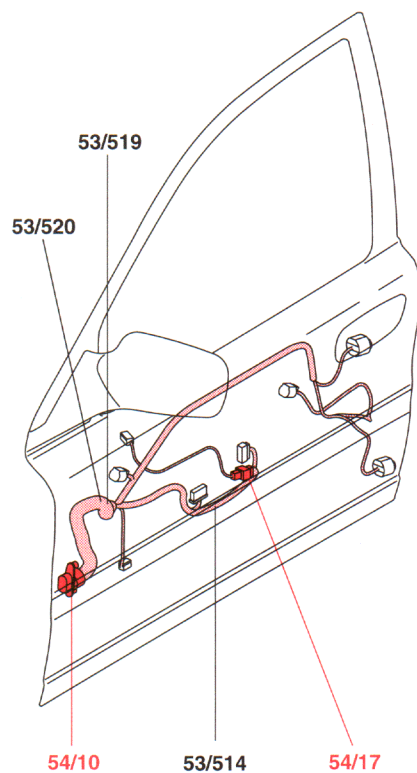
Passenger compartment cable harness, rear section



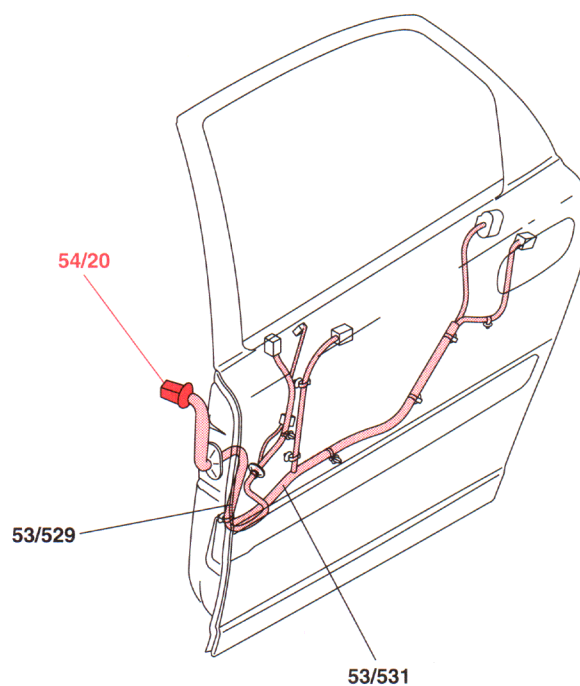
Routing of cable harnesses in the car

Left front door cable harness

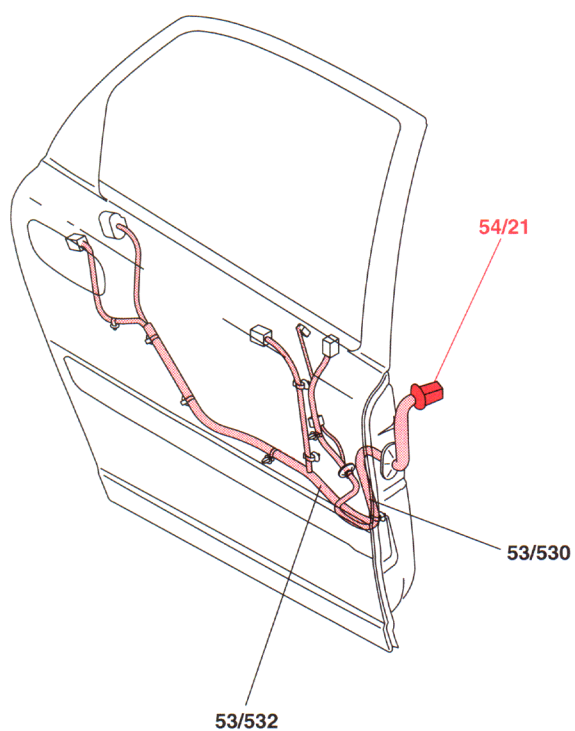
Left door panel cable harness



Left rear door cable harness

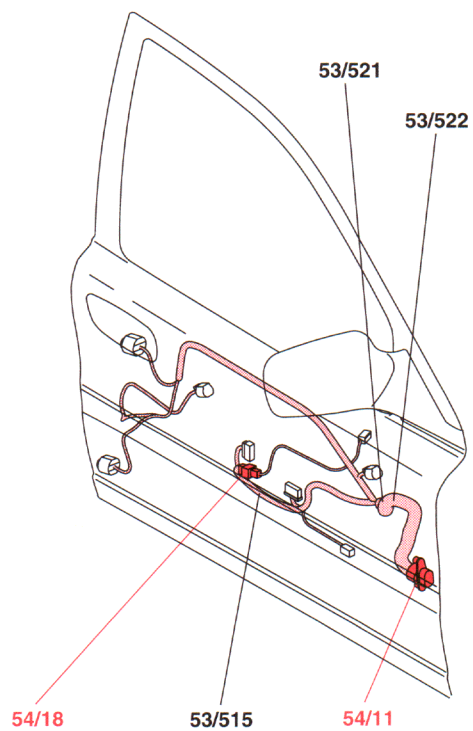


Right rear door cable harness



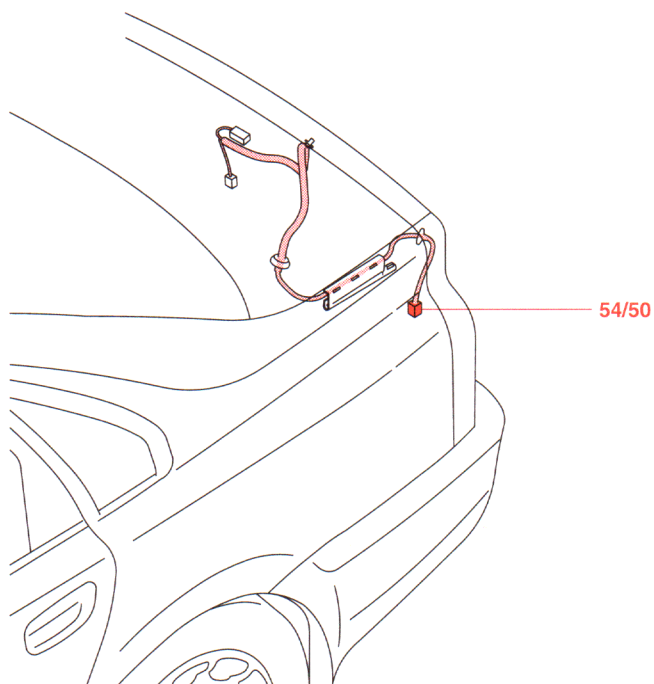
Right front door cable harness

Right door panel cable harness

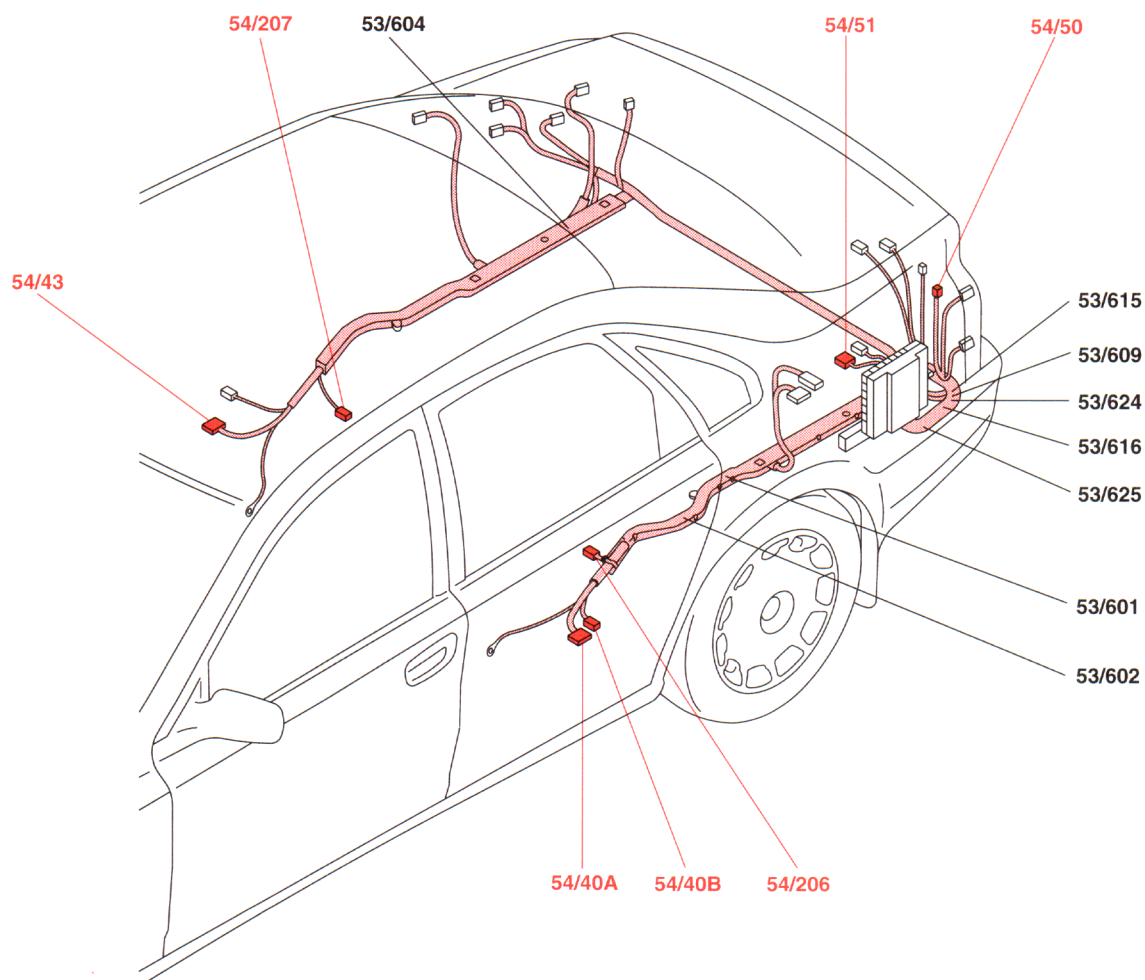


Routing of cable harnesses in the car

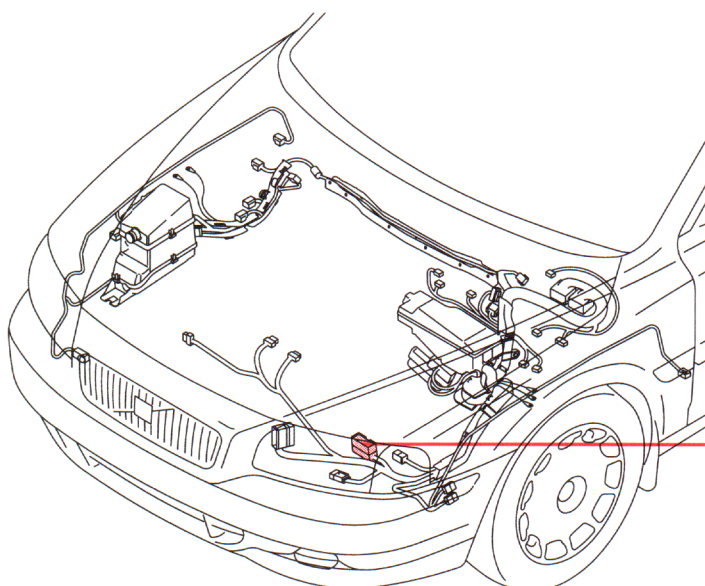
Trunk lid cable harness



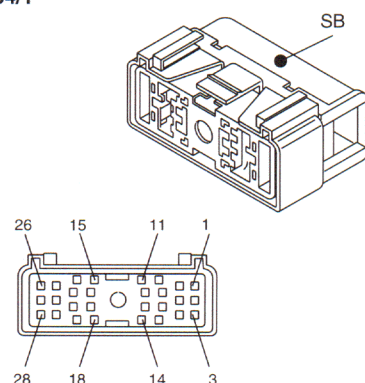
Cargo compartment cable harness



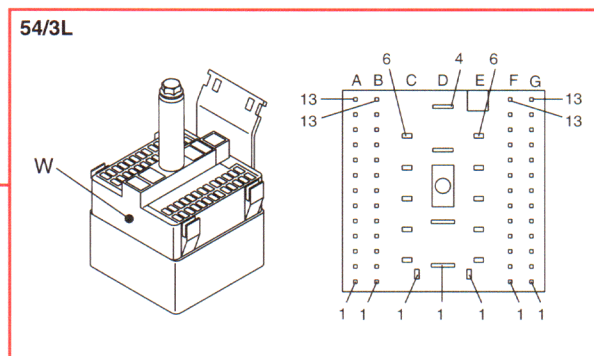
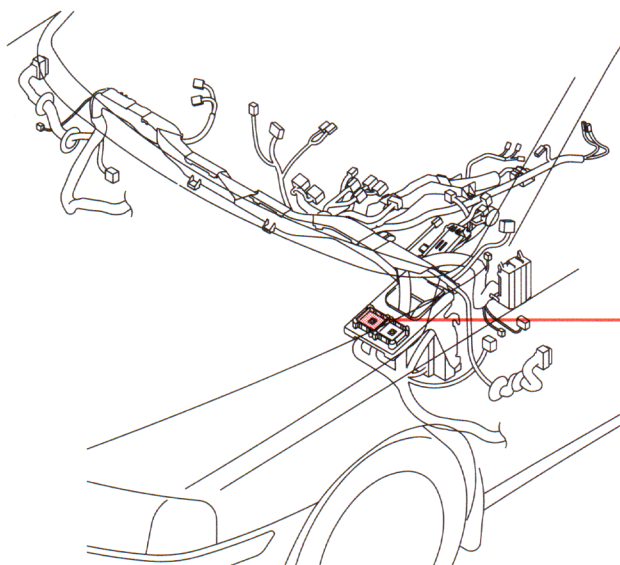
Connector 54/1



54/1



Term.	Female	Male	Color
25	Fuse 11B/21:2	Electronic throttle module terminal 6	GN-SB
26	Fuse 11B/19:2	Via junction point 53/325: Heated oxygen sensor (HO2S) 1 and 3 terminal 3 Heated oxygen sensor (HO2S) 2 and 4 terminal 1	GN-BN
27	Fuse 11B/17:2 (via 53/348)	Spark plugs with ignition coils terminal 4 (via 53/321) (Denso/ME7) Via junction point 53/337: (MSA) Solenoid valve engine pad terminal 2 EGR valve terminal 1l Turbocharger control valve (TCV) terminal 1 Crankcase ventilation heater terminal 1	GN-W
28	Fuse 11B/18:2	Via junction point 53/320: (Denso/ME7) Injectors terminal 1 Mass air flow (MAF) sensor terminal 2 Engine control module (ECM) A:70 Via junction point 53/336: (MSA) Doppvärmare pos. A:5 Solenoid valve quantity of fuel terminal B:3 Mass air flow (MAF) sensor terminal 2 Engine control module (ECM) A:17-18	GN



54/3LA White 13-pin

Passenger compartment cable harness - Engine compartment cable harness

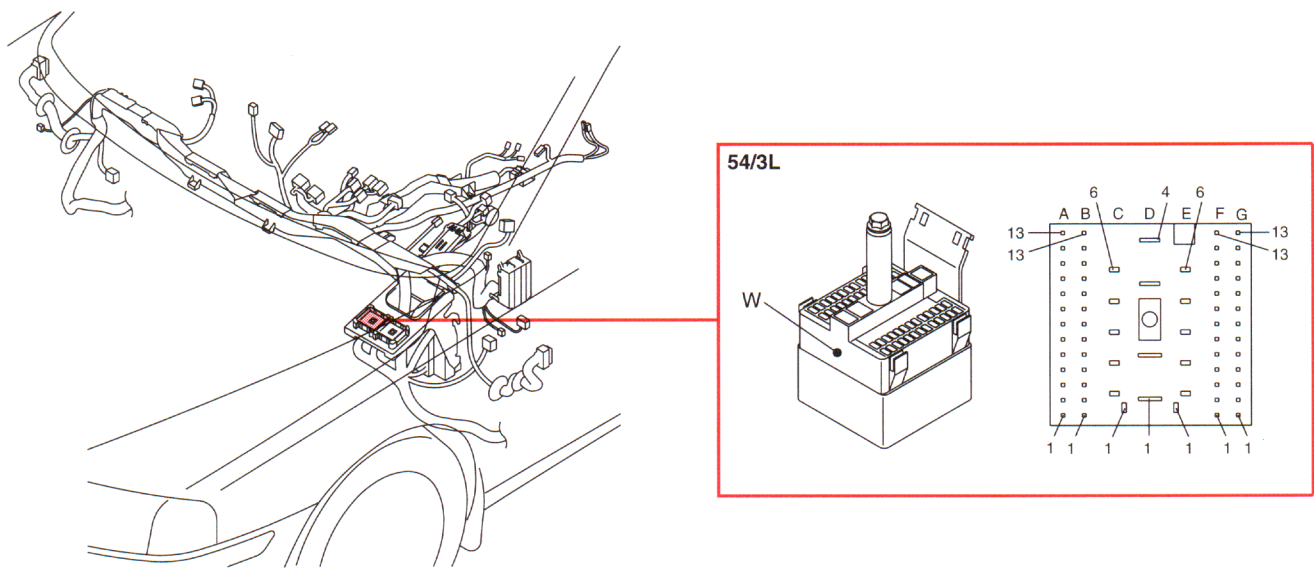
Term.	Female	Male	Color
1-6	-	-	-
7	Central electronic module (CEM) A:19	Relay signal horn terminal 4	Y
8	Central electronic module (CEM) A:3	Relay starter motor terminal 4	BN-W
9-10	-	-	-
11	Central electronic module (CEM) A:16	Relay washer motor terminal 4	BL
12	Central electronic module (CEM) A:14	Relay windshield wiper low/high speed terminal 4	Y
13	Central electronic module (CEM) A:13	Relay windshield wiper intermittent terminal 4	GR

54/3LB White 13-pin

Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1-8	-	-	-
9	ABS sensor rear right terminal 1	ABS control module terminal 22	BN
10	ABS sensor rear right terminal 2	ABS control module terminal 23	SB
11	ABS sensor rear left terminal 1	ABS control module terminal 6	BN
12	ABS sensor rear left terminal 2	ABS control module terminal 5	SB
13	Fuse 11C/9:2	ABS control module terminal 4	BL

Connector 54/3L



54/3LC White 6-pin Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	EVAP canister shut-off valve terminal 1	Fuse 11B/20:2	GN-GR
2	Relay high beam terminal 3	Fuse 11B/1:2	R
3	Relay low beam terminal 3	Fuse 11B/2:2	R-W
4-5	-	-	-
6	Shunt left turn signal lamp Central electronic module (CEM) terminal 2	Via junction point 53/361: Connector 54/4:4 Left side turn signal lamp terminal 2	GN

54/3LD White 4-pin Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	-	-	-
2	Via junction point 53/402: Overload relay X-supply terminal 1 Overload relay 15-supply terminal 1 Fuse 11C/4:1 Fuse 11C/17:1	Fuse 11A/3:2	R
3	Via junction point 53/403: Fuse 11C/22:1 Fuse 11C/26:1	Fuse 11A/4:2	R
4	-	-	-

54/3LE White 6-pin

Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	-	-	-
2	Fuse 11C/11:2	Connector 54/4:28	BL
3	Fuse 11C/2:2	Connector 54/4:27	BL-W
4	Fuse 11C/1:2	Connector 54/4:2	BL-W
5	Fuse 11C/10:2	Connector 54/4:3	BL
6	Relay front fog lamp terminal 1	Connector 54/5:1	P

54/3LF White 13-pin

Passenger compartment cable harness - Engine compartment cable harness

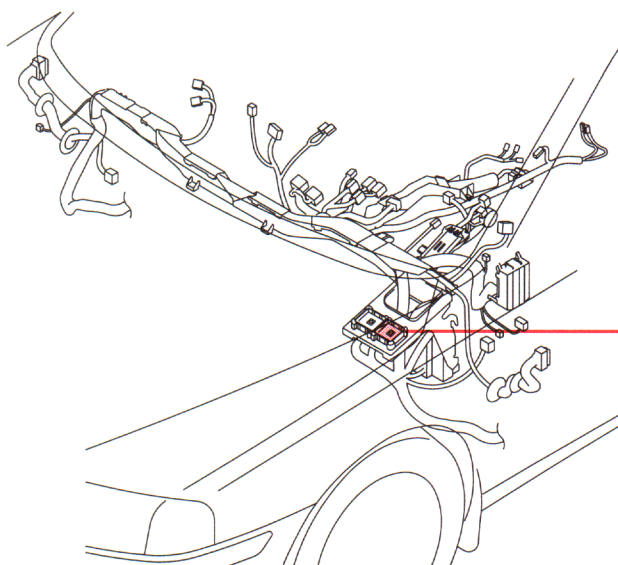
Term.	Female	Male	Color
1	-	-	-
2	Central electronic module (CEM) A:5	Connector 54/1:5	R-W
3	Central electronic module (CEM) A:1	Connector 54/1:24	Y-GR
4	Central electronic module (CEM) D:9	Connector 54/1:14, (AUTO) Ground terminal 31/93 (via 53/329) (MAN)	Y SB
5-8	-	-	-
9	Combined instrument panel (DIM) terminal 5	Brake fluid level switch terminal 1	Y-R
10	Fuse 11C/31:2	Connector 54/4:24 Connector 54/5:2	GR
11	Fuse 11C/30:2	Connector 54/4:5 Connector 54/5:3	W
12	Relay increased X-supply terminal 1, (via 53/437)	Connector 54/9:4	VO-W
13	Central electronic module (CEM) A:18 Electrical switch module lights (LSM) terminal 3	Connector 54/9:6	GN-W

54/3LG White 13-pin

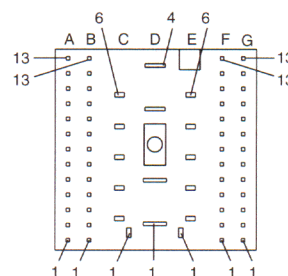
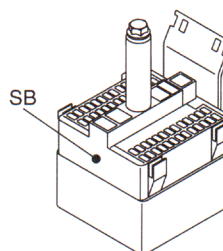
Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	Central electronic module (CEM) A:12	Stepper speed related power steering terminal 5	W
2	Central electronic module (CEM) A:11	Stepper speed related power steering terminal 4	GN
3	Central electronic module (CEM) A:7	Stepper speed related power steering terminal 3	Y
4	Central electronic module (CEM) A:6	Stepper speed related power steering terminal 2	BN
5-7	-	-	-
8	Central electronic module (CEM) C:6	Connector 54/8:22	BN-W
9	Central electronic module (CEM) A:4	Connector 54/4:22	Y
10	-	-	-
11	Central electronic module (CEM) A:9	Connector 54/4:11	GN-R
12	Central electronic module (CEM) A:8	Connector 54/4:15	VO
13	Fuse 11C/12:2	Connector 54/4:19	VO

Connector 54/3R



54/3R



54/3RB Black 13-pin connector

Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	Via Central electronic module (CEM) B:18	Via junction point 53/353: ABS control module terminal 10 Engine control module (ECM) B:1 (MAN) Transmission control module (TCM) B:2 (AUTO)	GN
2	Central electronic module (CEM) B:17	Via junction point 53/352: ABS control module terminal 11 Engine control module (ECM) B:13 (MAN) Transmission control module (TCM) B:14 (AUTO)	W
3-13	-	-	-

54/3RC Black 6-pin connector

Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1-5	-	-	-
6	Shunt right turn signal lamp CEM terminal 2	Via junction point 53/362: Connector 54/4:23 Right side turn signal lamp terminal 2	GN-W

54/3RD Black 4-pin connector

Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1	-	-	-
2	Via junction point 53/415: Fuse 11C/33:1 Fuse 11C/36:1 Parking lamps relay terminal 3	Fuse 11A/2:2	R
3-4	-	-	-

54/3RF Black 13-pin connector

Passenger compartment cable harness - Engine compartment cable harness

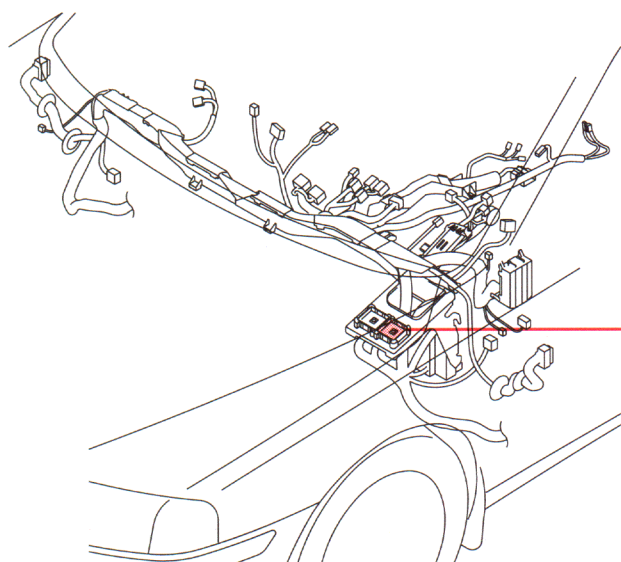
Term.	Female	Male	Color
1-7	-	-	-
8	Fuse 11C/29:2	Alarm siren module terminal 1	R
9	Central electronic module (CEM) A:20 Ignition switch terminal 50	Relay starter motor terminal 2 Engine control module (ECM) B:23	Y-W
10	Switch lever module automatic transmission terminal(GSM) 2	Transmission control module (TCM) B:21	GN-W
11	Central electronic module (CEM) B:15	Windshield washer reservoir level sensor terminal 3	Y
12	Central electronic module (CEM) B:16	Windshield wiper motor terminal 3	W
13	Connector. 54/13:15	Alarm siren terminal 2	P

54/3RG Black 13-pin connector

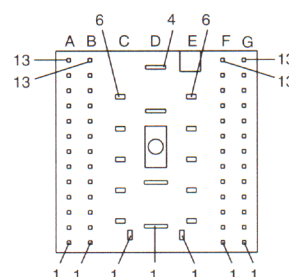
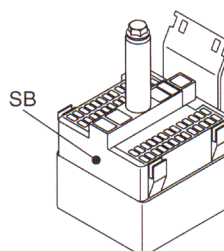
Passenger compartment cable harness - Engine compartment cable harness

Term.	Female	Male	Color
1-2	-	-	-
3	Central electronic module (CEM) D:6 Data link connector terminal 7	Engine control module (ECM) B:22 (MAN) Transmission control module (TCM) B:22 (AUTO)	W
4	Connector 54/10:5	Engine control module (ECM) B:29	W
5	Connector 54/10:6	Via junction point 53/324: Engine control module (ECM) B:4 Connector 54/3RG:11 Brake pedal sensor terminal 2 Clutch pedal sensor terminal 4 (MAN)	BN
6	Combined instrument panel terminal 4	Engine control module (ECM) B:46	GR

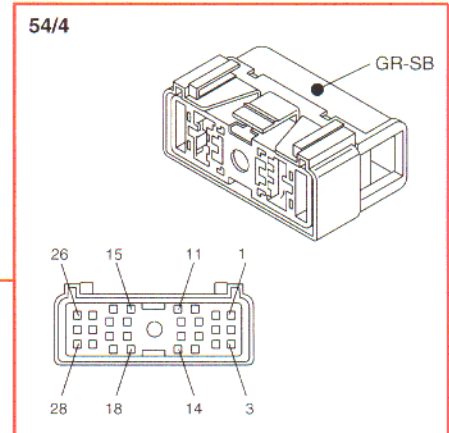
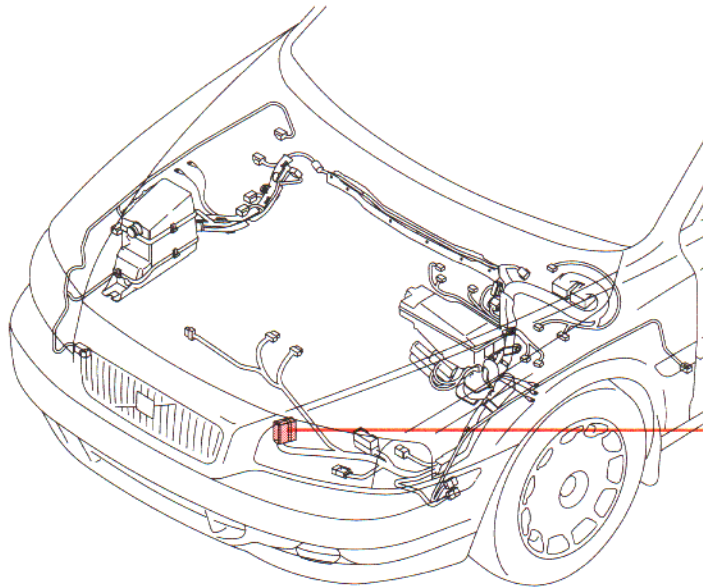
Connector 54/3R



54/3R



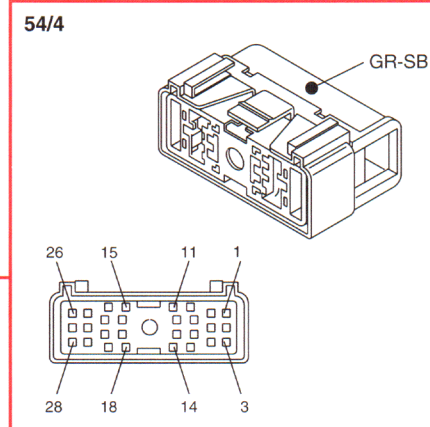
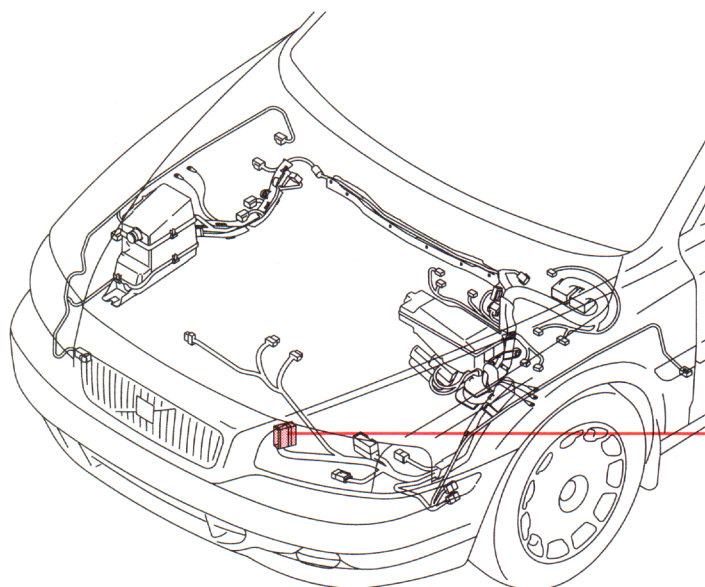
Term	Female	Male	Color
7	Via junction point 53/443: Central electronic module (CEM) B:3 Ignition switch terminal 15 terminal 1 Antenna ring/ignition switch lighting terminal. 1 Overload relay 15-supply terminal 2 SRS control module B:28	Engine control module (ECM) B:37	BL-R
8	Central electronic module (CEM) B:4	Via junction point 53/365: Engine control module (ECM) B:26 Stop (brake) lamp switch terminal 2 ABS control module terminal 18	Y
9	Central electronic module (CEM) B:14	Engine control module (ECM) B:45	R-SB
10	EVAP canister shut-off valve terminal 2	Engine control module (ECM) B:40	GN
11	Fuel tank pressure sensor terminal 1	Via junction point 53/324: Engine control module (ECM) B:4 Connector 54/3RG:5 Brake pedal sensor terminal 2 Clutch pedal sensor terminal 4 (MAN)	BN
12	Fuel tank pressure sensor terminal 3	Engine control module (ECM) B:10	W
13	Fuel tank pressure sensor terminal 2	Engine control module (ECM) B:31	GR



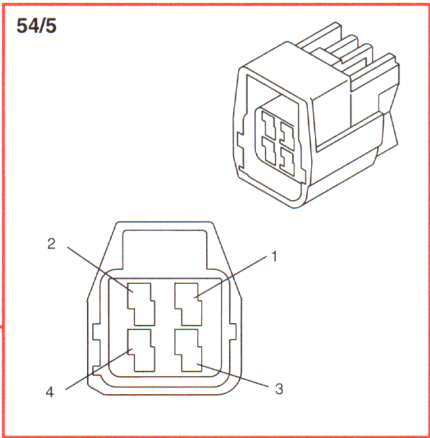
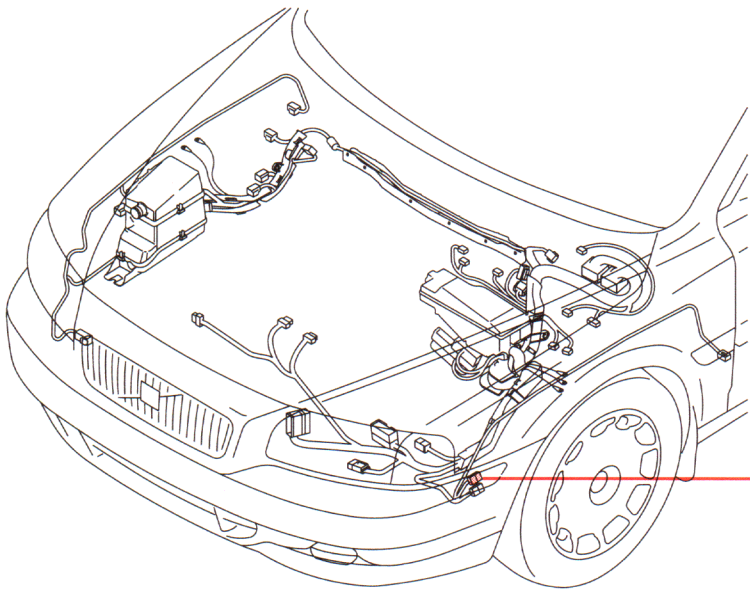
54/4 Gray-black 28-pin connector Engine compartment cable harness - front cable harness

Term.	Female	Male	Color
1	Ground terminal left wheel arch (via junction point 53/331)	Via junction point 53/301: Left headlamp terminal 1 Left front turn signal lamp terminal 3 Horn 1 terminal 2 Left headlamp washer motor terminal 3 Left actuator motor headlamp range adjustment terminal 1 Right actuator motor headlamp range adjustment terminal 1	SB
2	Connector 54/3LE:4	Left low beam terminal 3	BL-W
3	Connector 54/3LE:5	Left high beam terminal 4	BL
4	Via junction point 53/361: Left side turn signal lamp terminal 2 Connector 54/3LC:6	Left front turn signal lamp terminal 2	GN
5	Connector 54/5:3 (via connector 54/3LF:11)	Left parking lamp front terminal 2 (EU/OS) terminal 1 (USA/CDN)	W
6-10	-	-	-
11	Connector 54/3LG:11	Via junction point 53/316: Left actuator motor headlamp range adjustment terminal 2 Right actuator motor headlamp range adjustment terminal 2	GN-R
12-13	-	-	-
14	Via junction point 53/342: Washer motor relay terminal 1 Washer motor terminal 1	Via junction point 53/346: Left headlamp washer motor terminal 1 Right headlamp washer motor terminal 1	Y-W

Connector 54/4



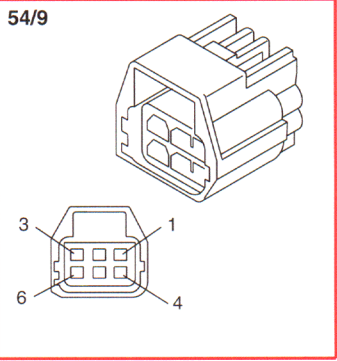
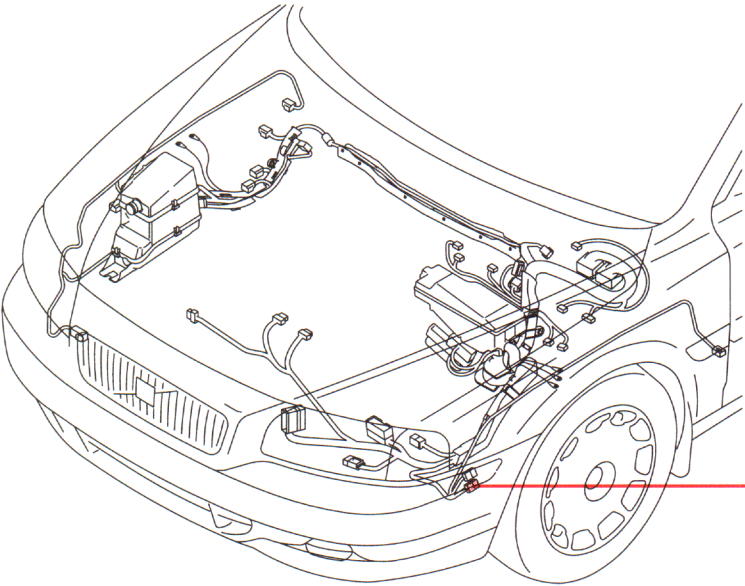
Term.	Female	Male	Color
15	Connector 54/3LG:12	Connector 54/4:19 (via junction point 53/334)	VO
16-18	-	-	-
19	Connector 54/3LG:13	Via junction point 53/334: Left headlamp washer motor terminal 2 Right headlamp washer motor terminal 2 Left actuator motor headlamp range adjustment terminal 3 Right actuator motor headlamp range adjustment terminal 3 Connector 54/4:15	VO
20-21	-	-	-
22	Connector 54/3LG:9	Alarm contact hood terminal 1	Y
23	Via junction point 53/362: Right side turn signal lamp terminal 2 Connector 54/3RC:6	Right front turn signal lamp terminal 2	GN-W
24	Connector 54/5:2 (via connector 54/3LF:10)	Right parking lamp front terminal 2 (EU/OS) terminal 1 (USA/CDN)	GR
25	Horn relay terminal 3	Via junction point 53/358: Horn 1 terminal 1 Horn 2 terminal 1	R-SB
26	Ground terminal left wheel arch (via junction point 53/331)	Via junction point 53/303: Right headlamp terminal 1 Right front turn signal lamp terminal 3 Horn 2 terminal 2 Right headlamp washer motor terminal 3 Alarm switch hood terminal 2	SB
27	Connector 54/3LE:3	Right low beam terminal 3	BL-W
28	Connector 54/3LE:2	Right high beam terminal 4	BL



54/5 Dark gray 4-pin
Engine compartment cable harness - Soft front cable harness

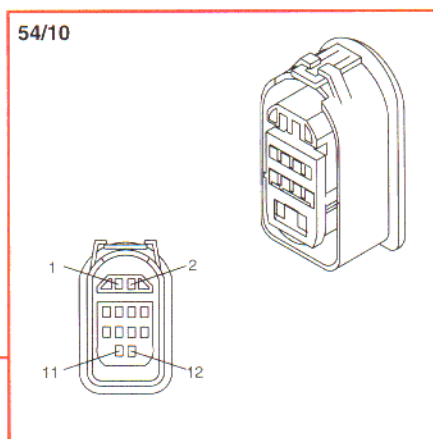
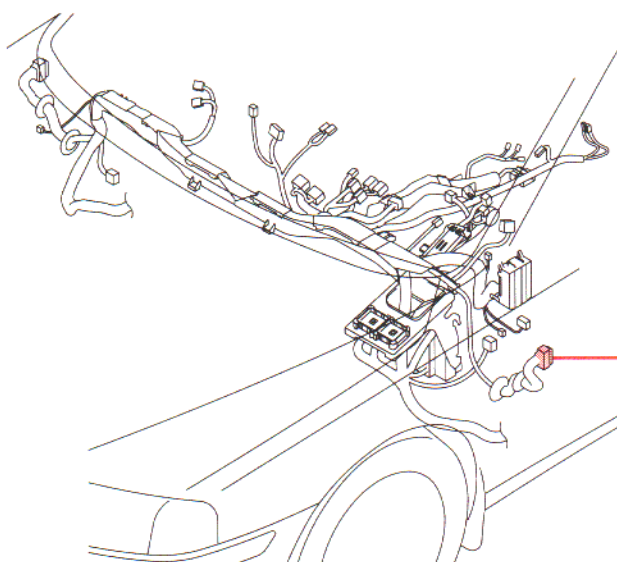
Term.	Female	Male	Color
1	Connector 54/3LE:6	Via junction point 53/307: Left front fog lamp terminal 1 Right front fog lamp terminal 1	P
2	Connector 54/4:24 (via connector 54/3LF:10)	Side marker lamp right front terminal 1	GR
3	Connector 54/4:5 (via connector 54/3LF:11)	Side marker lamp left front terminal 1	W
4	Ground terminal left wheel arch (via junction point 53/329)	Via junction point 53/310: Left front fog lamp terminal 2 Right front fog lamp terminal 2 Side marker lamp left front terminal 2 Side marker lamp right front terminal 2	SB

Connector 54/9



54/9 Dark gray 6-pin Engine compartment cable harness - Additional heater

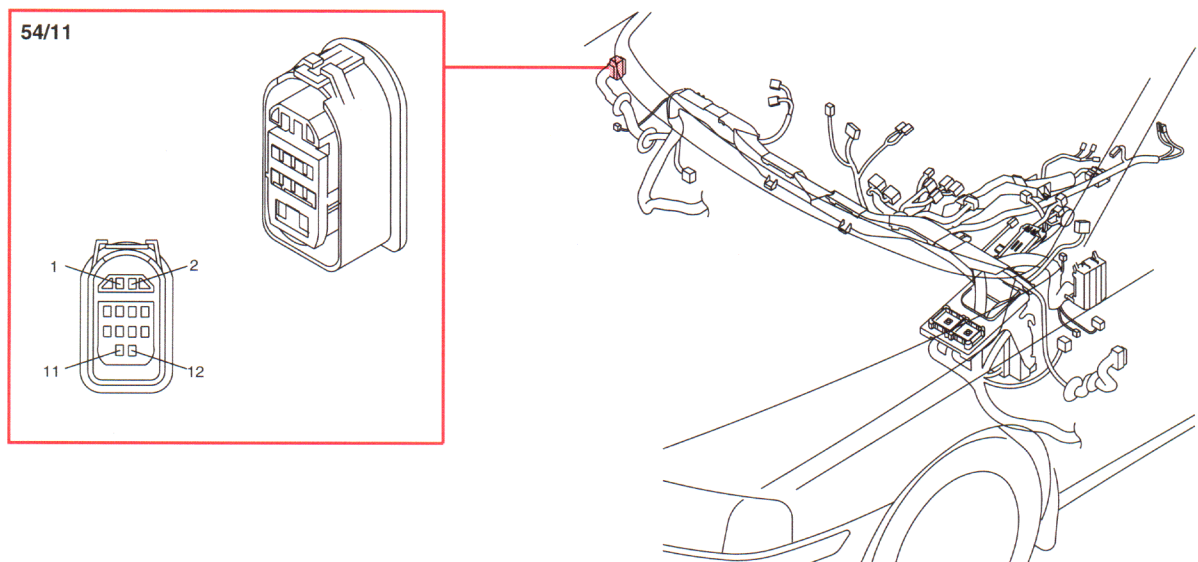
Term.	Female	Male	Color
1	Fuse 11B/9	Control module parking heater terminal 9	R
2	-	-	-
3	Ground terminal left wheel arch (via junction point 53/331)	Via junction point 53/351: Control module parking heater terminal 3 Parking heater	SB
4	Connector 54/3LF:12	Control module parking heater terminal 15	VO-W
5	-	-	-
6	Via connector 54/3LF:13: Central electronic module (CEM) terminal A:18 Light switch terminal 3	Control module parking heater terminal 6	GN-W



54/10 Black 12-pin connector Passenger compartment cable harness - Left front door cable harness

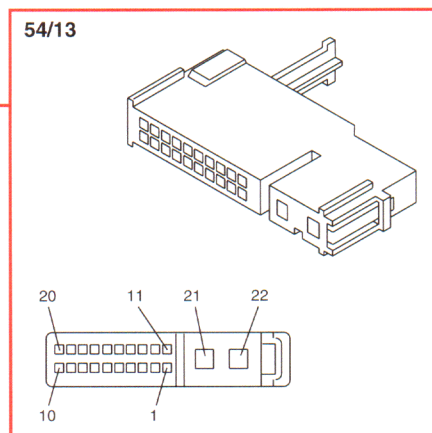
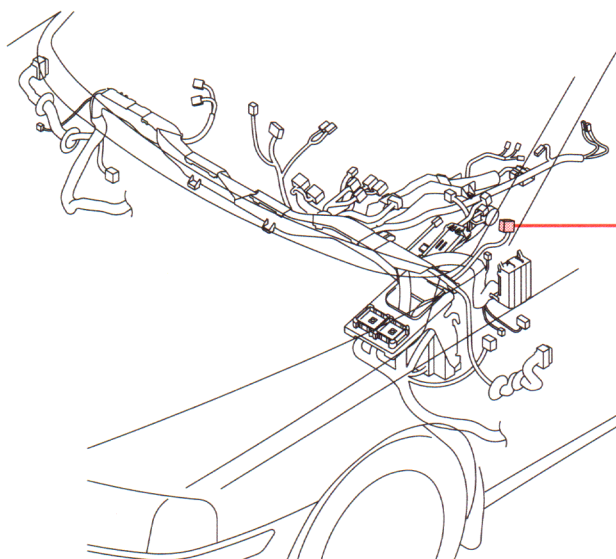
Term.	Female	Male	Color
1	Fuse 11C/35:2	Electrical switch module left front door (DDM/PDM) B:12	R
2	Via junction point 53/427: Fuse 11C/27:2 Connector 54/11:2	Electrical switch module left front door (DDM/PDM) B:7	R-W
3	Via junction point 53/516: SRS control module B:24 Connector 54/13:5	Electrical switch module left front door (DDM/PDM) A:2	W
4	Via junction point 53/517: SRS control module B:26 Connector 54/13:6	Electrical switch module left front door (DDM/PDM) A:3	GN
5	Connector 54/3RG:4	Outside temperature sensor engine control module (ECM) terminal 1	W
6	Connector 54/3RG:5	Outside temperature sensor engine control module (ECM) terminal 3	BN
7	-	-	-
8	Central electronic module (CEM) D:7	Lock unit left front door terminal 3	P
9	Radio B:1 or Amplifier B:1	Via junction point 53/519: Loudspeaker left front door terminal 1 Connector 54/17:1	GR-R
10	Radio B:2 or Amplifier B:2	Via junction point 53/520: Loudspeaker left front door terminal 2 Connector 54/17:2	GR
11	Ground terminal front left seat support (via junction point 53/500)	Via junction point 53/514: Electrical module left front door (DDM/PDM) B:5 Door open warning lamp left front terminal 2	SB
12	Ground terminal front left seat support (LHD: Via junction point 53/510)	Electrical switch module left front door (DDM/PDM) B:9	BN

Connector 54/11



54/11 Black 12-pin connector Passenger compartment cable harness - Right front door cable harness

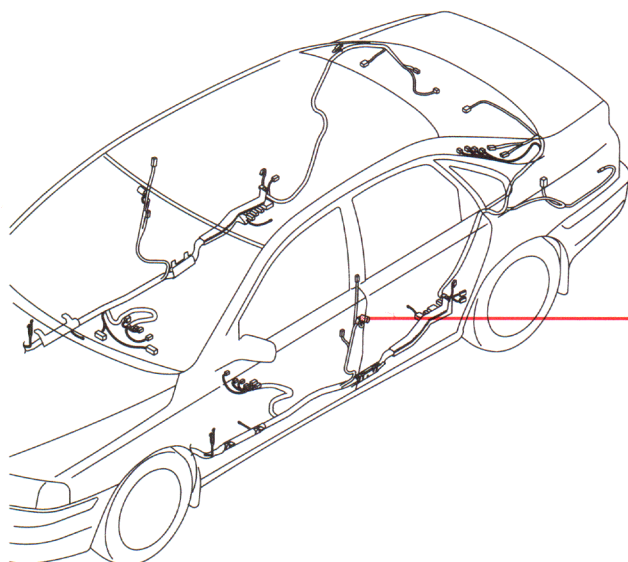
Term.	Female	Male	Color
1	Fuse 11C/36:2	Electrical switch module right front door (PDM/DDM) B:12	R
2	Via junction point 53/427: Fuse 11C/27:2 Connector 54/10:2	Electrical switch module right front door (PDM/DDM) B:7	R-W
3	Via junction point 53/433: Electrical switch module climate control module (CCM) A:14 Combined instrument panel (DIM) terminal 2 Radio (AUM) A:7 Control unit and keypad carphone (PHM) A:22	Electrical switch module right front door (PDM/DDM) A:2	W
4	Via junction point 53/434: Electrical switch module climate control module (CCM) A:12 Combined instrument panel (DIM) terminal 3 Radio (AUM) A:8 Control unit and keypad carphone (PHM) A:10	Electrical switch module right front door (PDM/DDM) A:3	GN
5-7	-	-	-
8	Central electronic module (CEM) D:8	Lock unit right front door terminal 3	P
9	Radio B:5 or Amplifier B:5	Via junction point 53/521: Loudspeaker right front door terminal 1 Connector 54/18:1	GR-R
10	Radio B:6 or Amplifier B:6	Via junction point 53/522: Loudspeaker right front door terminal 2 Connector 54/18:2	GR
11	Ground terminal front right seat support (via junction point 53/501).	Via junction point 53/515 Electrical module right front door (PDM/DDM) B:5 Door open warning lamp right front terminal 2	SB
12	Ground terminal seat support front right-hand side (RHD: Via junction point 53/511)	Electrical switch module right front door (PDM/DDM) B:9	BN



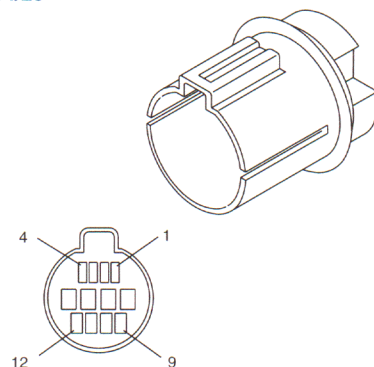
54/13 Black 22-pin connector Passenger compartment cable harness - Roof cable harness

Term.	Female	Male	Color
1	Via junction point 53/534: Upper electronic module (UEM) terminal 1 and 11	Fuse 11C/28:2	R
2-4	-	-	-
5	Upper electronic module (UEM) terminal 3	Via junction point 53/516: SRS control module B:24 Connector 54/10:3	W
6	Upper electronic module (UEM) terminal 5	Via junction point 53/517: SRS control module B:26 Connector 54/10:4	GN
7-10	-	-	-
11	High-mounted stop (brake) lamp terminal 5	Central electronic module (CEM) B:5	Y-R
12-14	-	-	-
15	Upper electronic module (UEM) terminal 21 or Via junction point 53/533: Upper electronic module (UEM) terminal 21 Sunroof module (SRM) A:4	Connector 54/3RF:13	P
16-19	-	-	-
20	Via junction point 53/503: Upper electronic module (UEM) terminal 20 Electrical switch module roof lamp A:10 High-mounted stop (brake) lamp terminal 5 (1) Vanity mirror lighting left-hand side terminal 3 Vanity mirror lighting right-hand side terminal 3 Reading lamp rear terminal 4 Microwave sensor alarm terminal 5 Sunroof module (SRM) A:5	Ground terminal A post left side (via junction point 53/400)	BN
21	Sunroof module (SRM) A:1	Fuse 11C/34:2	R
22	Sunroof module (SRM) A:10	Ground terminal A post left side (via junction point 53/405)	SB

Connector 54/20

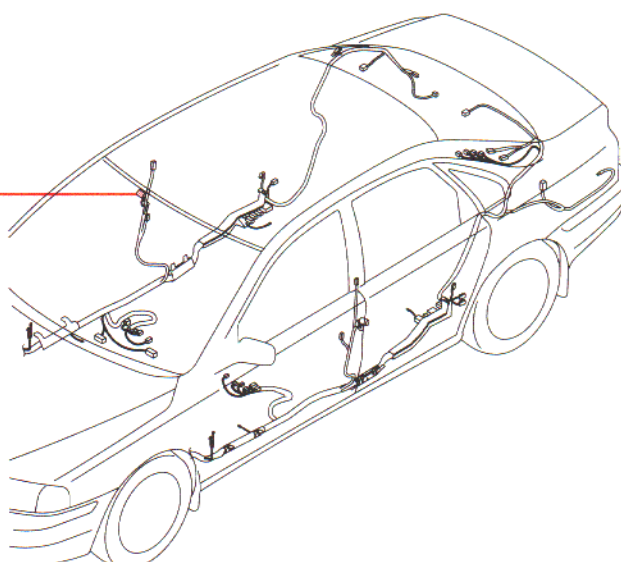
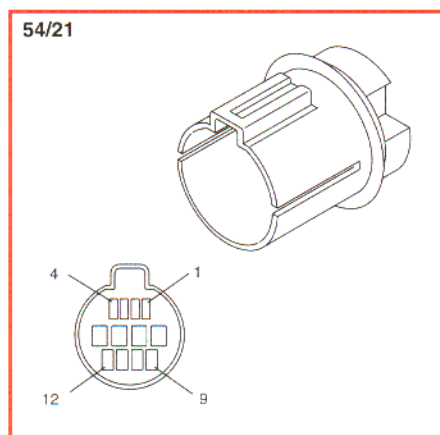


54/20



54/20 **Black 12-pin connector** **Passenger compartment cable harness - Left rear door cable harness**

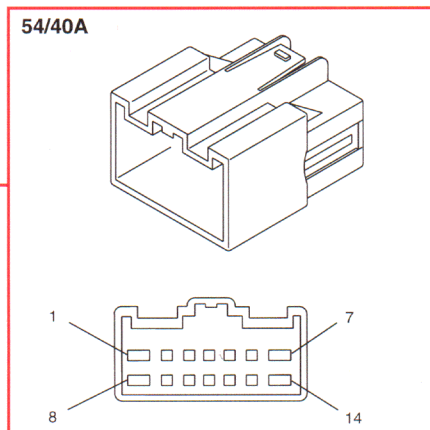
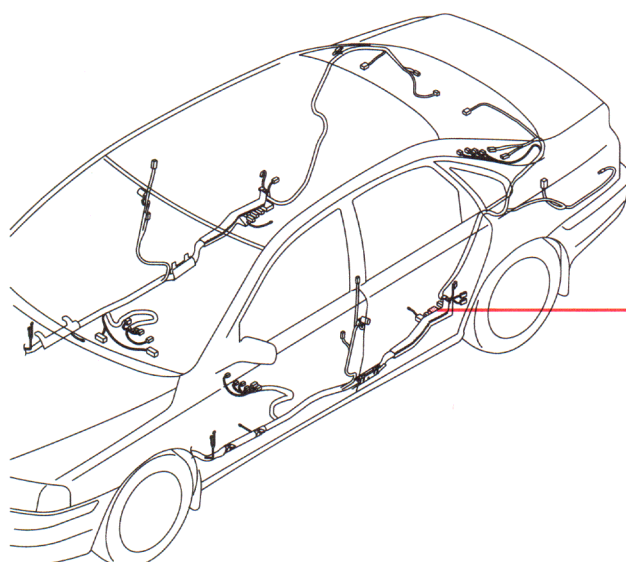
Term.	Female	Male	Color
1	Via junction point 53/523: Radio (AUM) A:7 or Amplifier B:7 Loudspeaker parcel shelf left side terminal 1	Loudspeaker left rear door terminal 1	GR-W
2	Via junction point 53/524: Radio (AUM) B:8 or Amplifier B:8 Loudspeaker parcel shelf left side terminal 2	Loudspeaker left rear door terminal 2	GR
3	Central electronic module (CEM) B:12	Lock unit left rear door terminal 2	P
4	Central electronic module (CEM) B:13	Lock unit left rear door terminal 5	BL
5	Via junction point 53/446: Power window relay child safety block rear doors terminal 1 Connector 54/21:5	Power window switch left rear door terminal 1	Y
6	Relay power window down left rear terminal 1	Power window switch left rear door terminal 3	BL
7	Via junction point 53/504: Central electronic module (CEM) E:2 Courtesy lighting left-hand side front terminal 2 Courtesy lighting right-hand side front terminal 2 Connector 54/21:7	Via junction point 53/529: Door open warning lamp left rear terminal 1 Courtesy lighting left-hand side rear terminal 2	W
8	Relay power window up left rear terminal 1	Power window switch left rear door terminal 5	GN-BN
9	Connector 54/40A:4	Lock unit left rear door terminal 8	VO
10	Connector 54/40A:3	Lock unit left rear door terminal 6	GR
11	Connector 54/40A:2	Lock unit left rear door terminal 4	Y
12	Ground terminal front left seat support (via junction point 53/500)	Via junction point 53/531: Lock unit left rear door terminal 1 Power window switch left rear door terminal 2 Door open warning lamp left rear terminal 2 Courtesy lighting left-hand side rear terminal 4	SB



54/21 Black 12-pin connector Passenger compartment cable harness - Right rear door cable harness

Term.	Female	Male	Color
1	Via junction point 53/525: Radio (AUM) B:11 or Amplifier B:11 Loudspeaker parcel shelf right side terminal 1	Loudspeaker right rear door terminal 1	GR-W
2	Via junction point 53/526: Radio (AUM) B:12 or Amplifier B:12 Loudspeaker parcel shelf right side terminal 2	Loudspeaker right rear door terminal 2	GR
3	Central electronic module (CEM) C:18	Lock unit right rear door terminal 2	P
4	Central electronic module (CEM) C:3	Lock unit right rear door terminal 5	BL
5	Via junction point 53/446: Power window relay child safety block rear doors terminal 1 Connector 54/20:5	Power window switch right rear door terminal 1	Y
6	Relay power window down right rear terminal 1	Power window switch right rear door terminal 3	BL
7	Via junction point 53/504: Central electronic module (CEM) E:2 Courtesy lighting left-hand side front terminal 2 Courtesy lighting right-hand side front terminal 2 Connector 54/20:7	Via junction point 53/530: Door open warning lamp right rear terminal 1 Courtesy lighting right-hand side rear terminal 2	W
8	Relay power window up right rear terminal 1	Power window switch right rear door terminal 5	GN-BN
9	Connector 54/43:4	Lock unit right rear door terminal 8	VO
10	Connector 54/43:3	Lock unit right rear door terminal 6	GR
11	Connector 54/43:2	Lock unit right rear door terminal 4	Y
12	Ground terminal front right seat support (via junction point 53/501).	Via junction point 53/532: Lock unit right rear door terminal 1 Power window switch right rear door terminal 2 Door open warning lamp right rear terminal 2 Courtesy lighting right-hand side rear terminal 4	SB

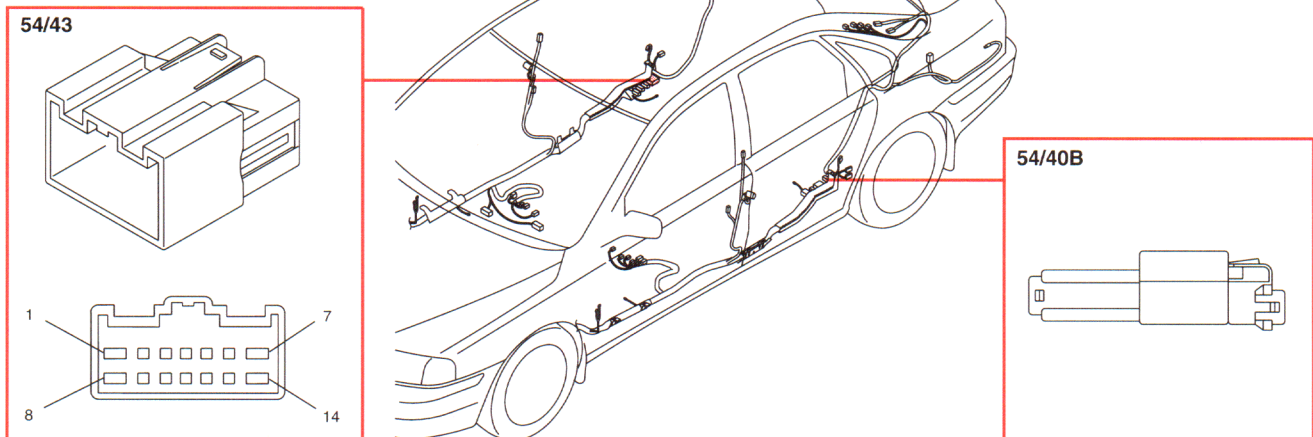
Connector 54/40A



54/40A Light gray 14-pin Passenger compartment cable harness - Cargo compartment cable harness

Term	Female	Male	Color
1	Connector 54/51:11 (via Shunt parking lamps REM terminal 3)	Fuse 11C/30:2	W
2	Central locking relay locking left rear terminal 1	Connector 54/20:11	Y
3	Central locking relay unlocking left rear terminal 1	Connector 54/20:10	GR
4	Connector 54/43:4 (via central locking relay deadlocked rear doors terminal 1)	Connector 54/20:9	VO
5	Rear electronic module (REM) A:16	Via junction point 53/435: Central electronic module (CEM) D:2 Control module power driver's seat (PSM) B:3 Combined instrument panel (DIM) terminal 9	GN
6	Rear electronic module (REM) A:14	Via junction point 53/436: Central electronic module (CEM) D:3 Control module power driver's seat (PSM) B:2 Combined instrument panel (DIM) terminal 8	W
7	Connector 54/51:10 (via Left turn signal lamp rear B:4)	Connector 54/3LC:6 (via Shunt left turn signal lamp Central electronic module (CEM) terminal 2)	GN
8	Via junction point 53/609: Shunt position- / tail lamps REM terminal 3 Connector 54/50:7 Connector 54/51:8	Fuse 11C/31:2	GR
9	-	-	-
10	-	Radio (AUM) A:9 (via left antenna amplifier window antenna terminal 2)	BL-W
11	Rear electronic module (REM) A:2	Fuel level sensor left, ejector side terminal 5	GN
12	Rear electronic module (REM) A:10	Fuel level sensor left, ejector side terminal 6 Fuel level sensor right pump side terminal 6	BN
13	Rear electronic module (REM) A:8	Fuel level sensor right, pump side terminal 7	BL
14	Rear electronic module (REM) A:4	Central electronic module (CEM) B:6	GN-Y

Connectors 54/40B and 54/43



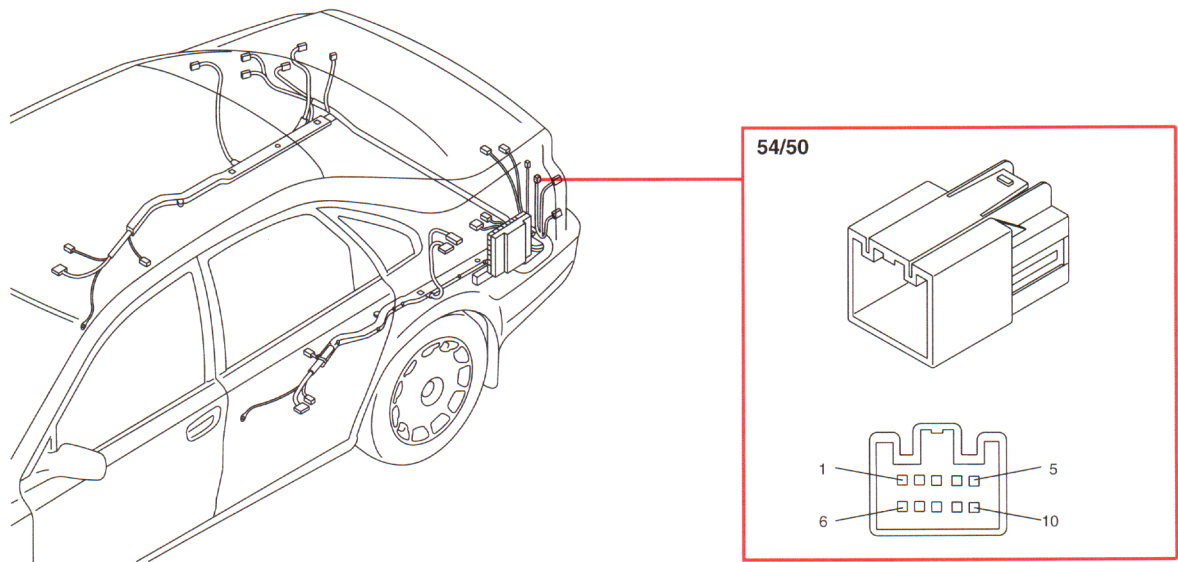
54/40B Black 1-pin connector Passenger compartment cable harness - Cargo compartment cable harness

Term	Female	Male	Color
1	Rear windshield demist relay terminal 3	Rear demist (via left antenna amplifier window antenna)	R

54/43 Light gray 14-pin Passenger compartment cable harness - Cargo compartment cable harness

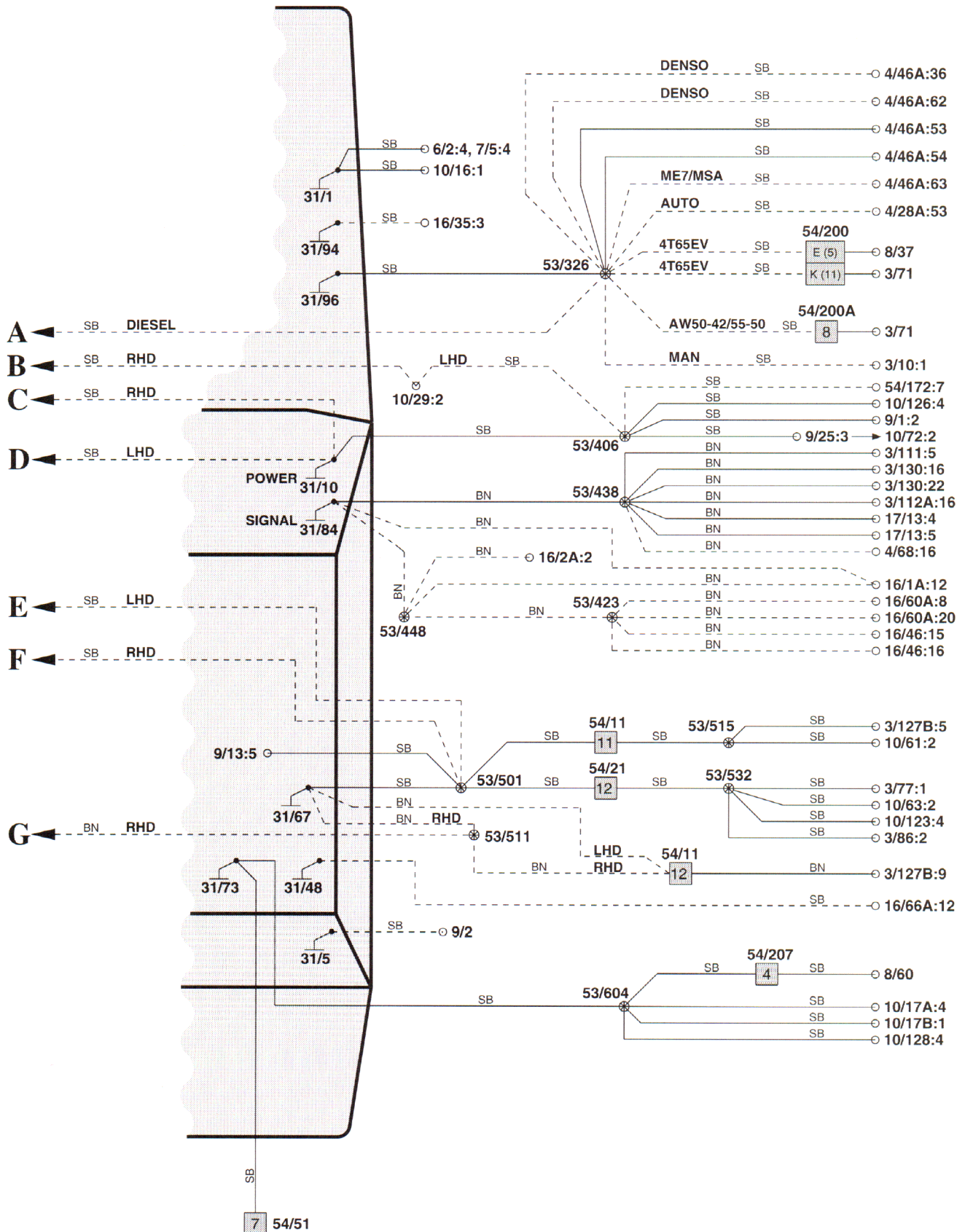
Term	Female	Male	Color
1	-	-	-
2	Central locking relay locking right rear terminal 1	Connector 54/21:11	Y
3	Central locking relay unlocking right rear terminal 1	Connector 54/21:10	GR
4	Connector 54/40A:4 (via Central locking relay deadlocked rear doors terminal 1)	Connector 54/21:9	VO
5-6	-	-	-
7	Connector 54/51:9 (via Right turn signal lamp rear B:4)	Connector 54/3RC:6 (via Shunt right turn signal lamp Central electronic module (CEM) terminal 2)	GN-W
8-10	-	-	-
11	Connector 54/50:1	Central electronic module (CEM) C:5	P
12-14	-	-	-

Connector 54/50



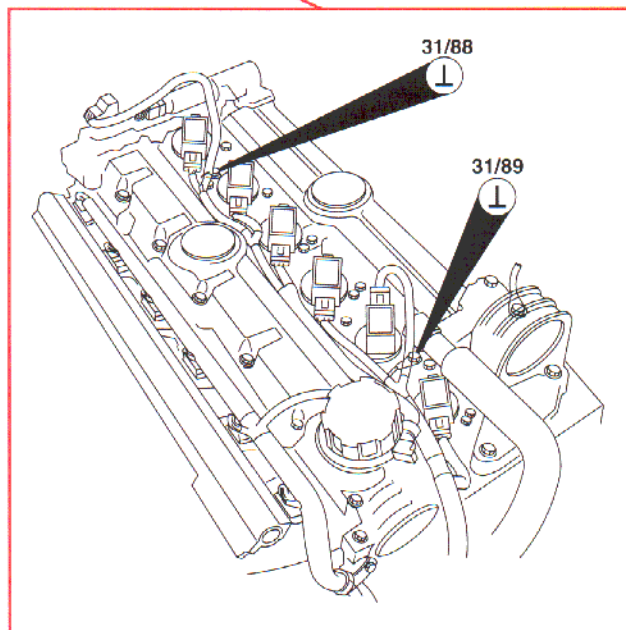
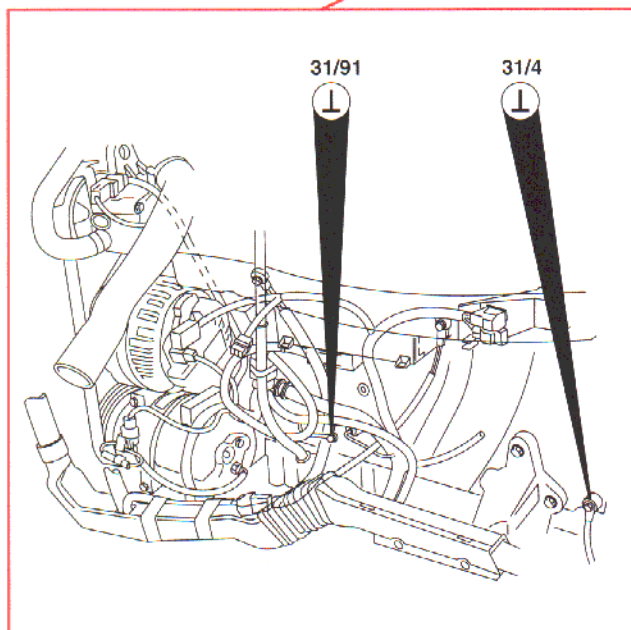
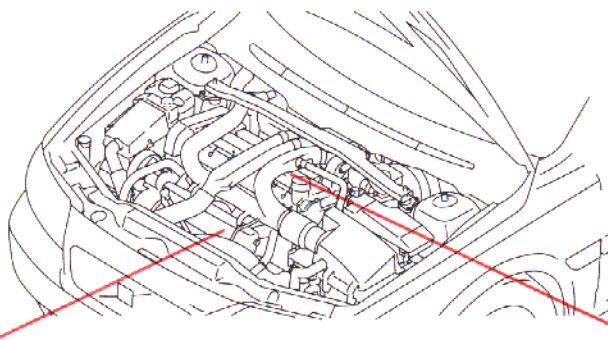
54/50 Light gray 10-pin
Cargo compartment cable harness - Trunk lid cable harness

Term	Female	Male	Color
1	Trunk lid lock unit terminal 1	Connector 54/43:11	BN-OR/P
2	-	-	-
3	Trunk lid lock unit terminal 2	Trunk lid opening relay terminal 1	GR-W
4-6	-	-	-
7	License plate lighting terminal 2	Via junction point 53/609: Connector 54/40A:8 Connector 54/51:8 Shunt position- / tail lamps REM terminal 3	GR
8	Switch trunk lid handle terminal 1	Rear electronic module (REM) D:7	BL-BN/BL
9	-	-	-
10	Via trunk lid lock unit terminal 4: License plate lighting terminal 3 Switch trunk lid handle terminal 3	Ground terminal rear seat support left side 2 (via junction point 53/601)	BL-SB/SB

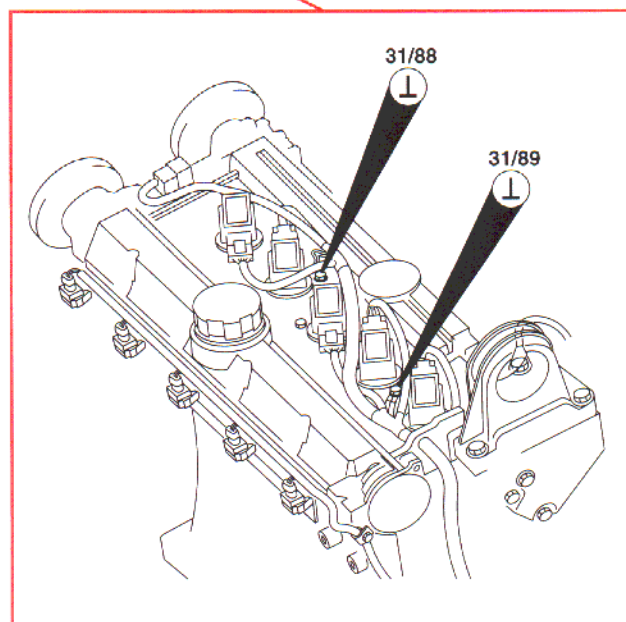
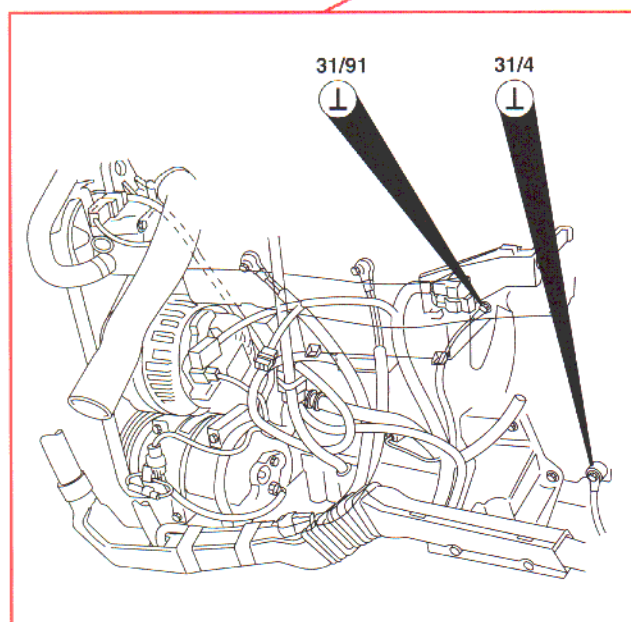
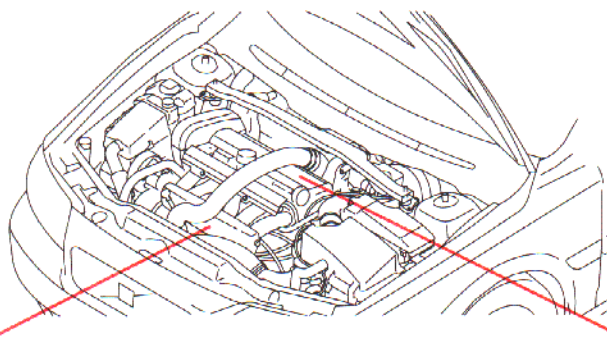


Ground terminals

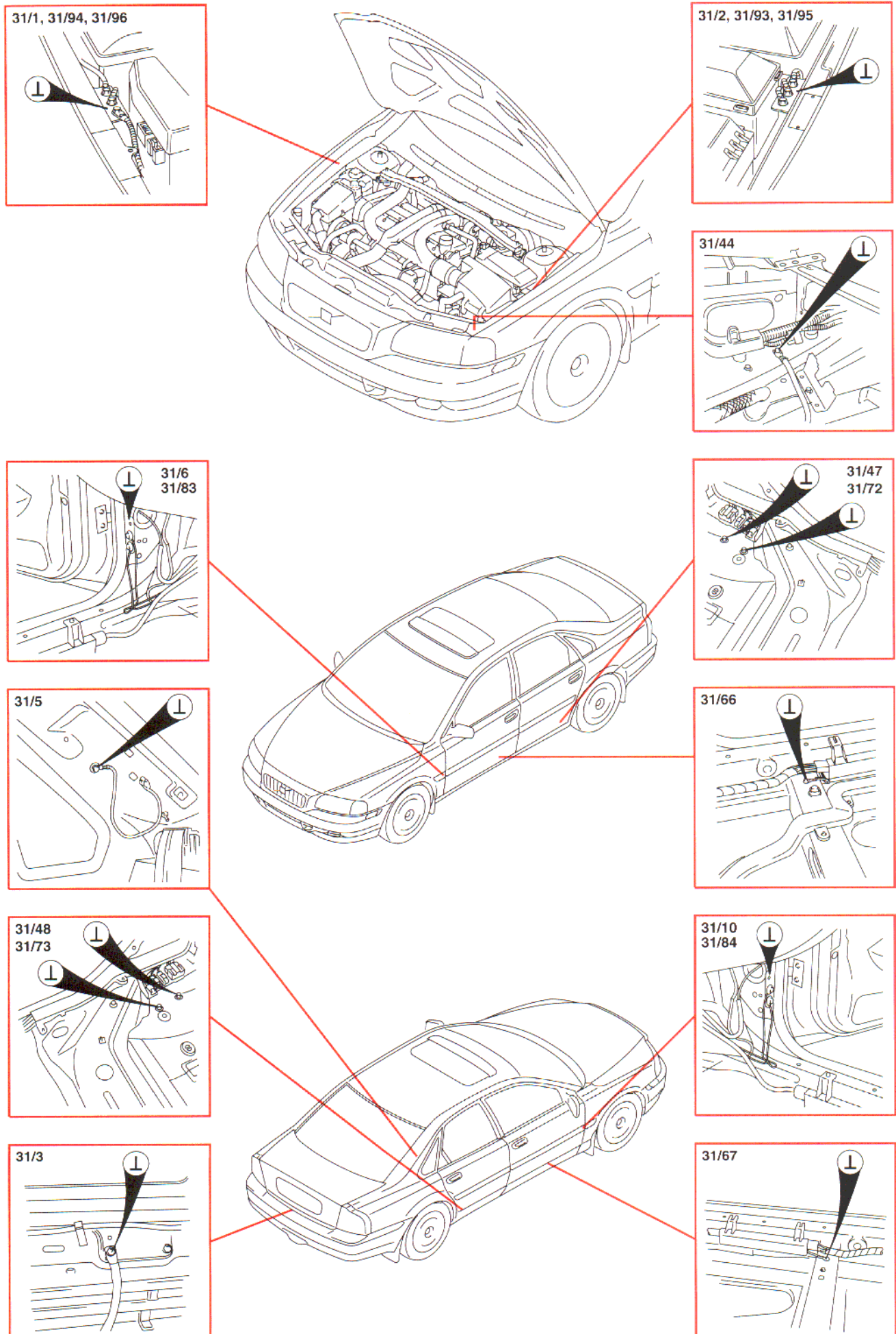
6CYL



5CYL



Ground terminals



Ground terminals

31/1
Washer fluid level sensor
Washer motor
Right side turn signal lamp

31/2
Engine cooling fan (FC) control module

31/3
Battery

31/4
Ground terminal left side member engine compartment

31/5
Rear demist

31/6
Overload relay 15-supply
Overload relay X-supply
Hazard warning signal flasher switch
Ignition switch light
Courtesy lighting left-hand side front
Central electronic module (CEM) (LHD)
Blower fan control module (RHD)
Glove compartment lighting (RHD)
Sun roof control module
Lever module switch automatic transmission (GSM)

31/10
Cigarette lighter / 12V socket front
Cigarette lighter / 12V socket rear
Courtesy lighting, right-hand side front
Central electronic module (CEM) (RHD)
Blower fan control module (LHD)
Glove compartment lighting (LHD)
Ashtray lighting front
Connector
Airbag disconnection contact breaker passenger side (control panel lighting)

31/44
Ground terminal engine

31/47
Fuel pump

31/48
Carphone receiver

31/66
Electrical module left front door (DDM/PDM)
Door open warning lamp left front
Lock unit left rear door
Courtesy lighting left-hand side rear
Door open warning lamp left rear
Power window switch left rear door
Heated seat left
Control unit power passenger seat (RHD)
Control module power driver's seat (PSM) (LHD)

31/67
Electrical module right front door (PDM/DDM)
Door open warning lamp right front
Lock unit right rear door
Courtesy lighting right-hand side rear
Door open warning lamp right rear
Power window switch right rear door
Heated seat right
Control unit power passenger seat (LHD)
Control module power driver's seat (PSM) (RHD)

31/72
Cargo compartment lighting left-hand side
Head restraint solenoid left rear
Left tail lamp
Rear electronic module (REM)
Lock unit trunk
License plate lighting
Trunk lid handle switch
Car tilt sensor
CD changer
RTI Control module
CD-ROM player RTI
Seeker (ISR)
Relay seeker P0/P1 (ISR)

31/73

Cargo compartment lighting right-hand side
Head restraint solenoid right rear
Right tail lamp
Connector
Cargo compartment cable harness - tow hitch

31/83

Combined instrument panel (DIM)
Antenna ring
High-mounted stop (brake) lamp
Reading lamp rear
Upper electronic module (UEM)
Electrical switch module courtesy light
Vanity mirror lighting left-hand side
Vanity mirror lighting right-hand side
Microwave sensor alarm
Sun roof control module

31/84

Electrical switch module lights
Electrical switch module steering wheel levers
Electrical switch module climate control-unit (Climate control module (CCM))
Data link connector (DLC)
Radio (AUM)
Amplifier
Control unit and keypad carphone (PHM)
Display RTI

31/88

Spark plug with ignition coil 1
Spark plug with ignition coil 2

31/89

Spark plug with ignition coil 3
Spark plug with ignition coil 4
Spark plug with ignition coil 5
Spark plug with ignition coil 6

31/91

Electronic throttle module (ETM)
PTC resistor air preheating

31/93

Left headlamp
Right headlamp
Left front fog lamp
Right front fog lamp
Left front turn signal lamp
Right front turn signal lamp
Side marker lamp left front
Side marker lamp right front
Horn 1
Horn 2
Intermittent windshield wiper relay
Washer motor relay
Capacitor
Brake fluid level sensor
Stepper motor speed related power steering
Accelerator pedal (AP) position sensor
Coolant level sensor
Windshield wiper motor
Left headlamp washer motor
Right headlamp washer motor
Left actuator motor headlamp range adjustment
Right actuator motor headlamp range adjustment
Central electronic module (CEM)
Alarm switch hood
Left side turn signal lamp
Connector
Engine compartment cable harness - parking heater

31/94

Alarm siren

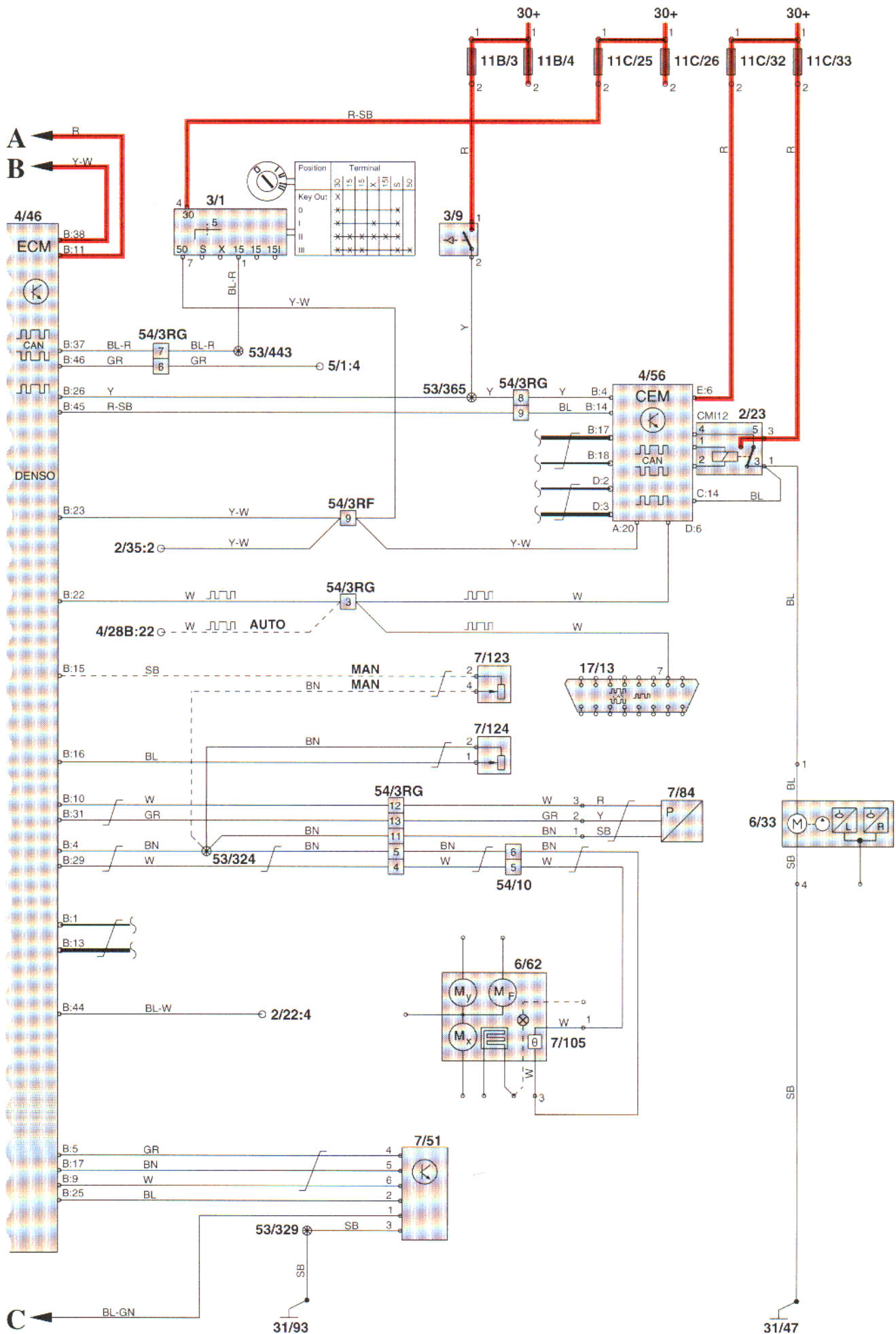
31/95

ABS control module

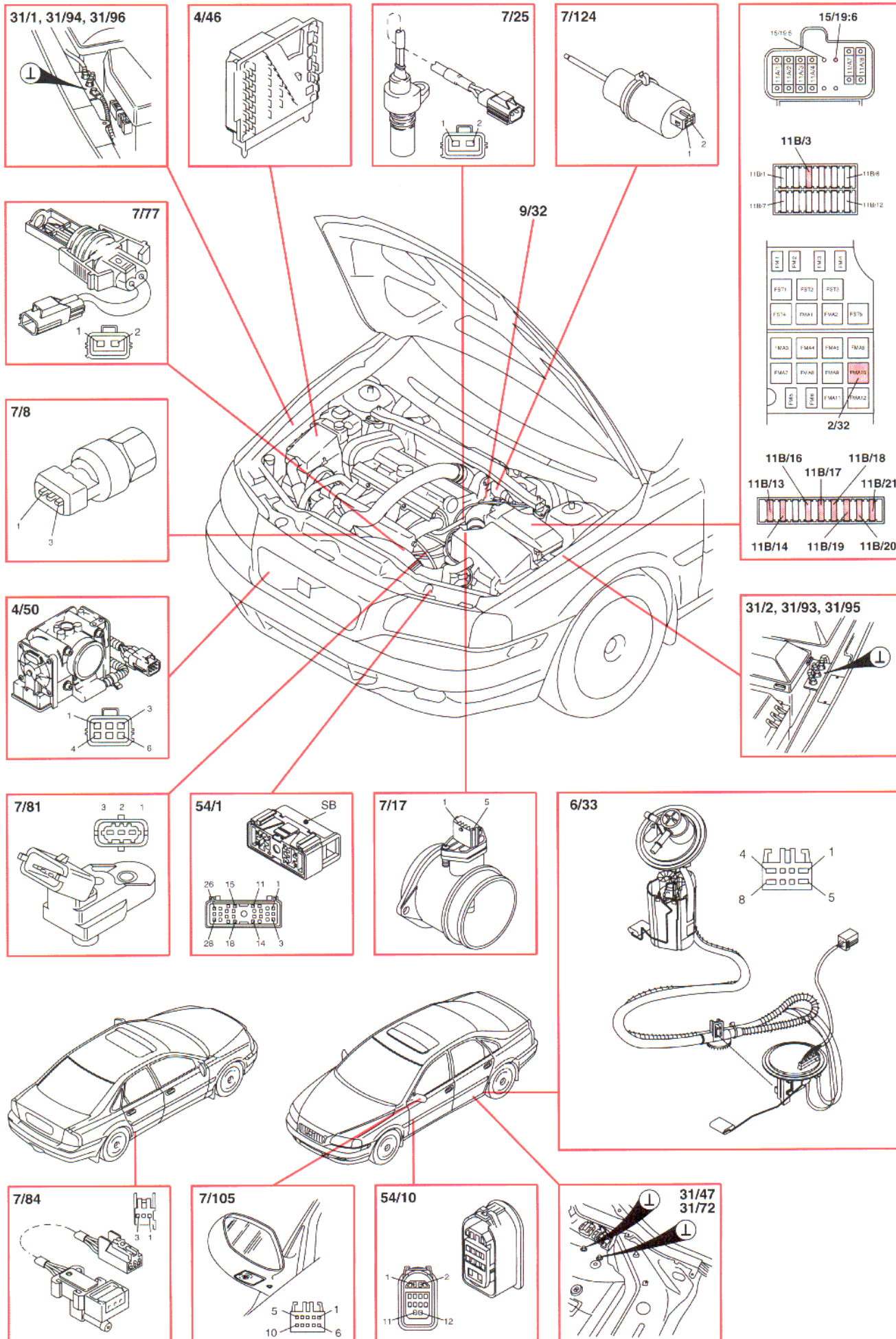
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Engine control module (ECM)
Transmission control module (TCM)
Solenoids automatic transmission
Gear shift position switches
Back-up (reversing) lamps switch

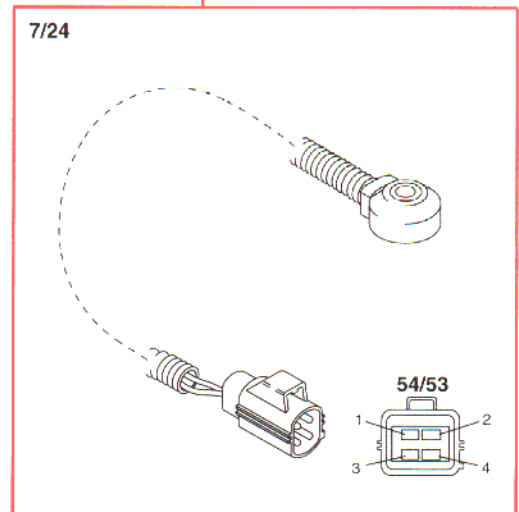
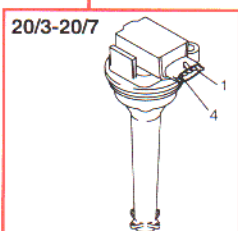
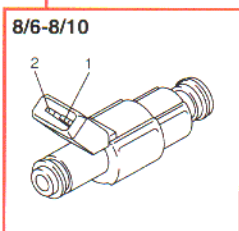
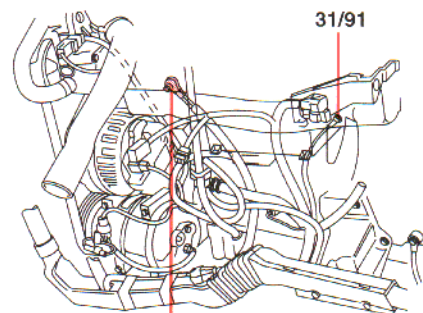
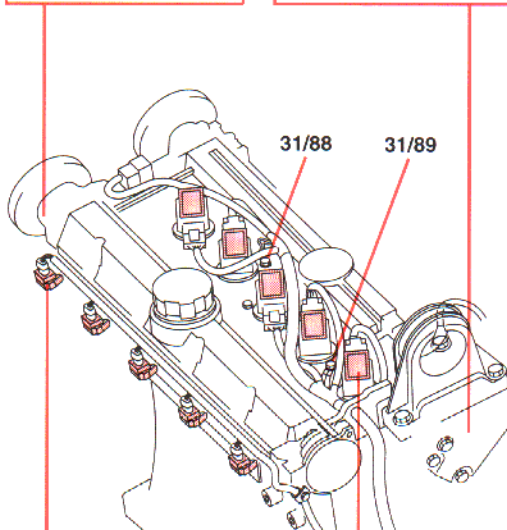
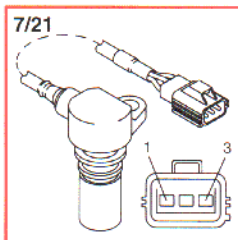
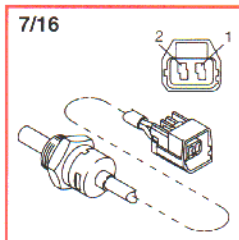
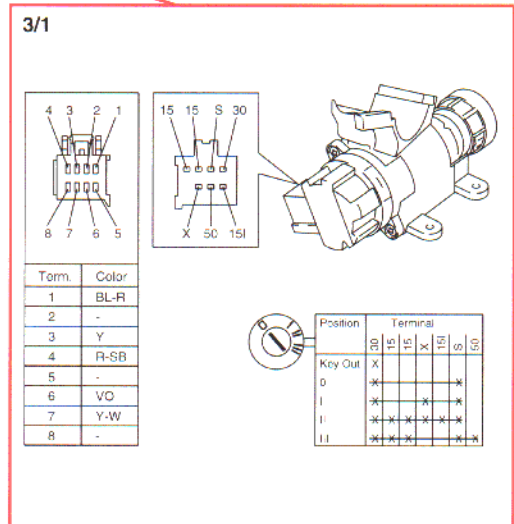
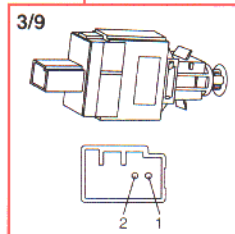
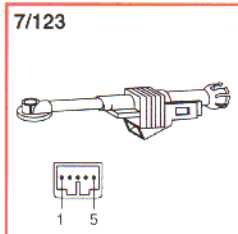
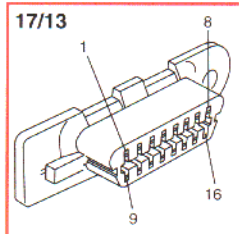
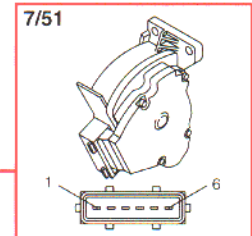
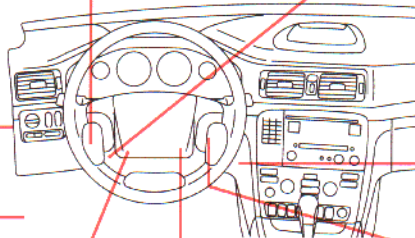
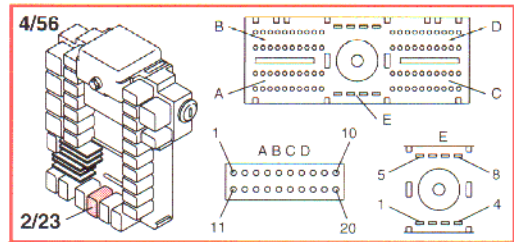
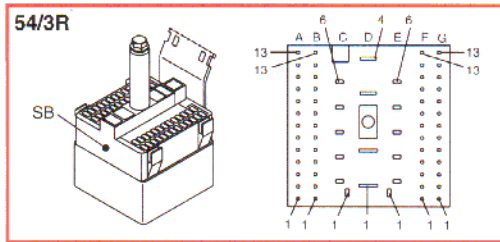
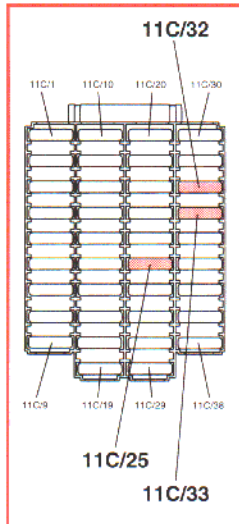
Engine management system Denso



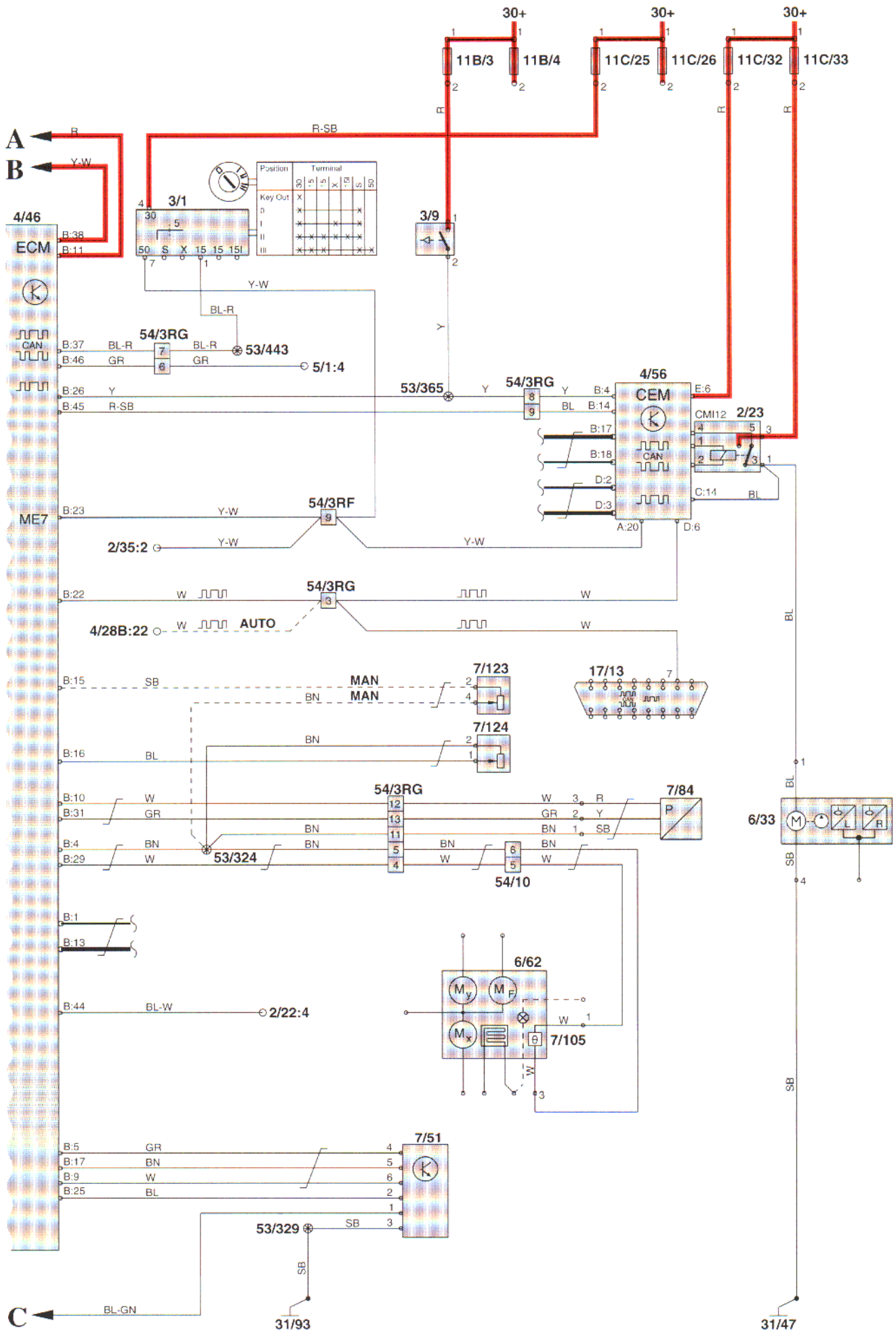
Engine management system Denso



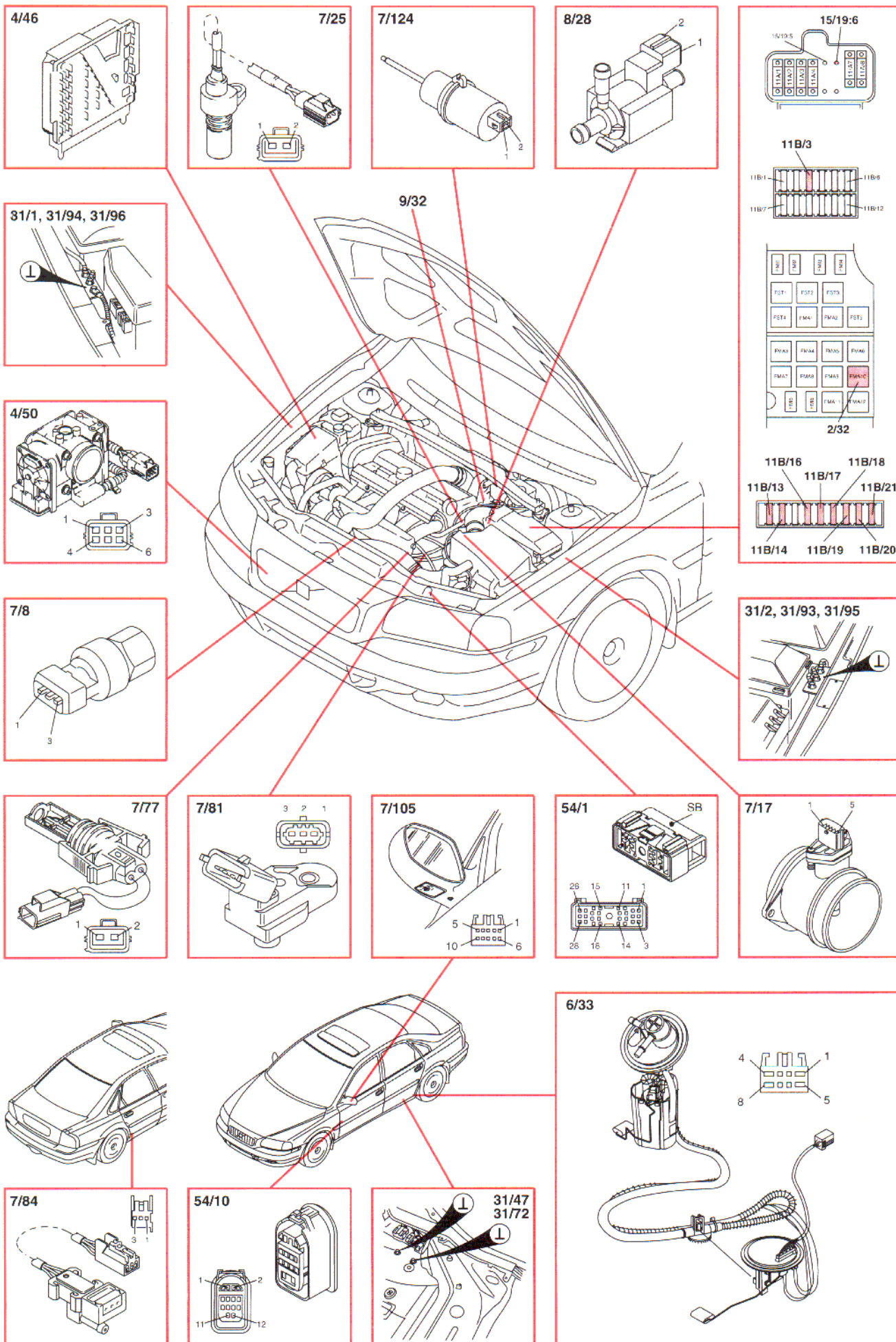
Engine management system
Denso



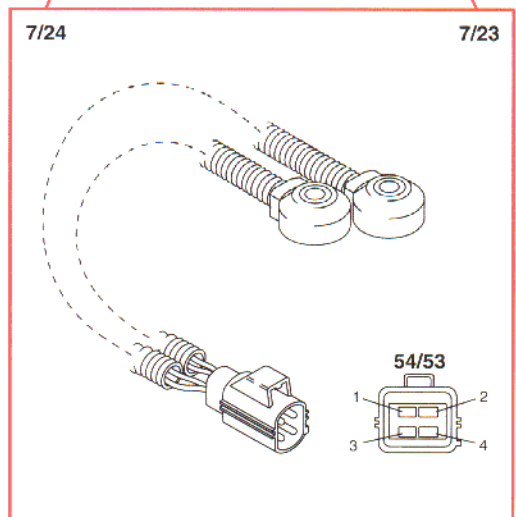
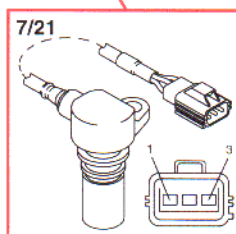
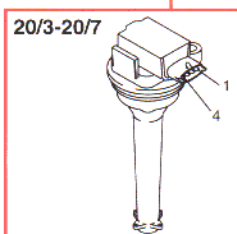
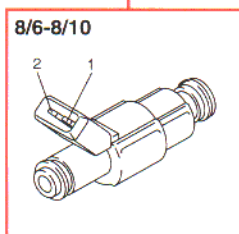
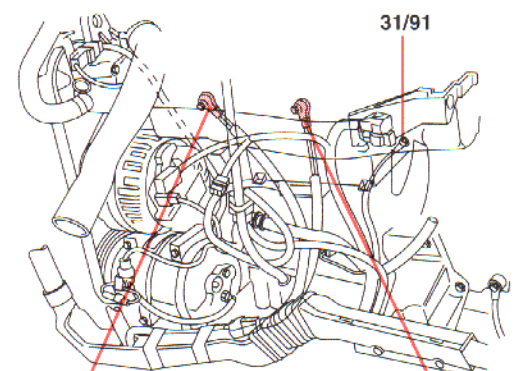
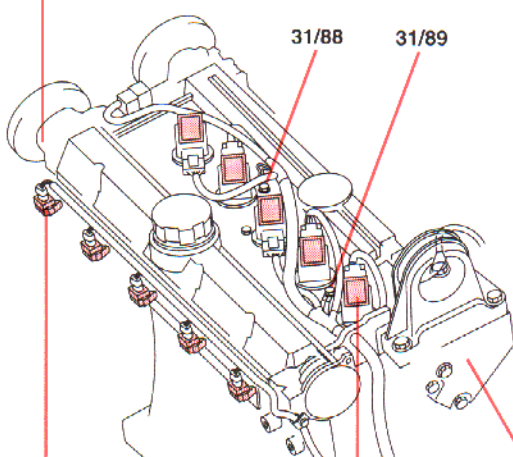
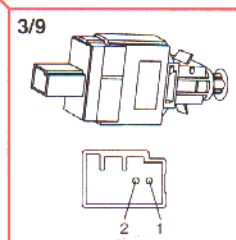
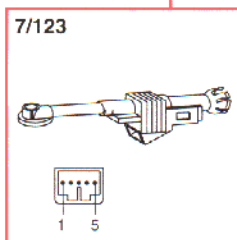
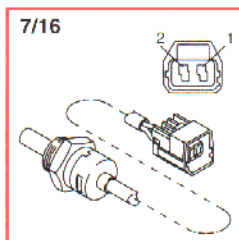
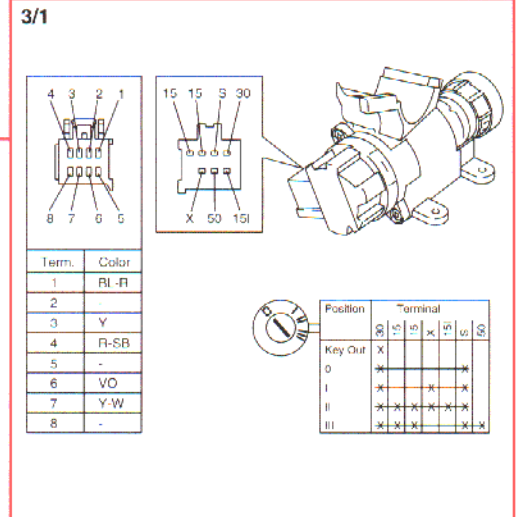
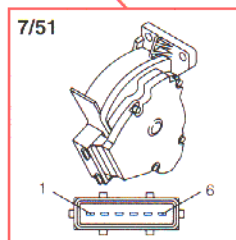
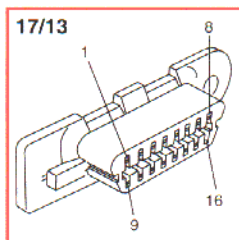
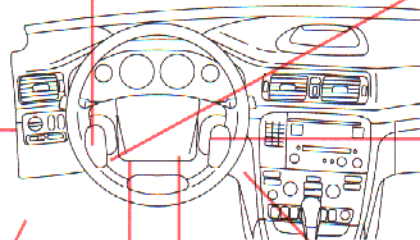
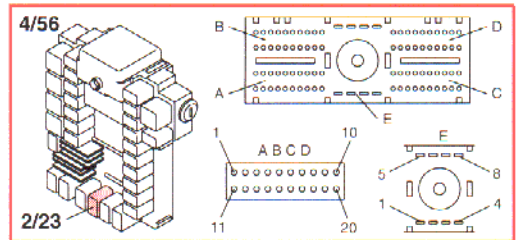
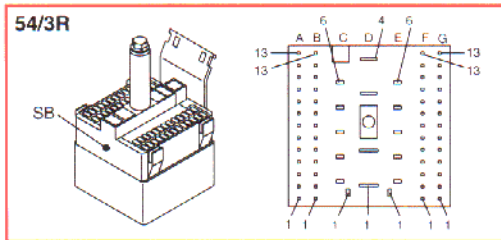
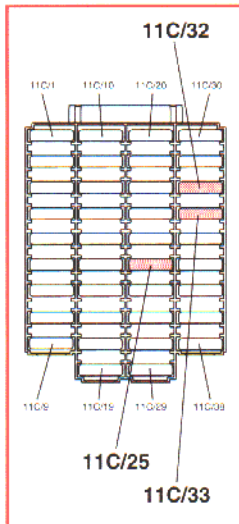
Engine management system ME7, 5 cylinder engines



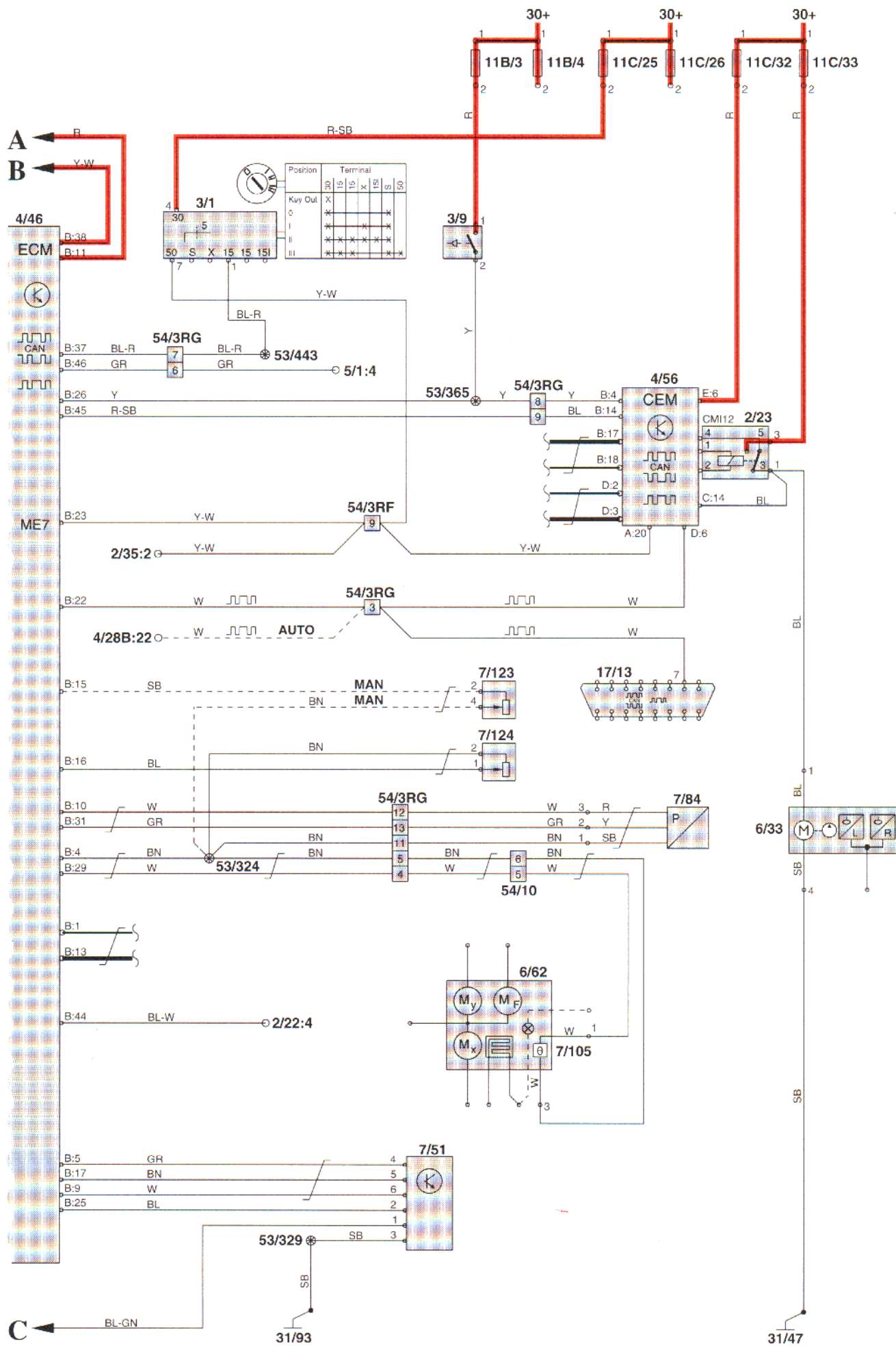
Engine management system ME7, 5 cylinder engines



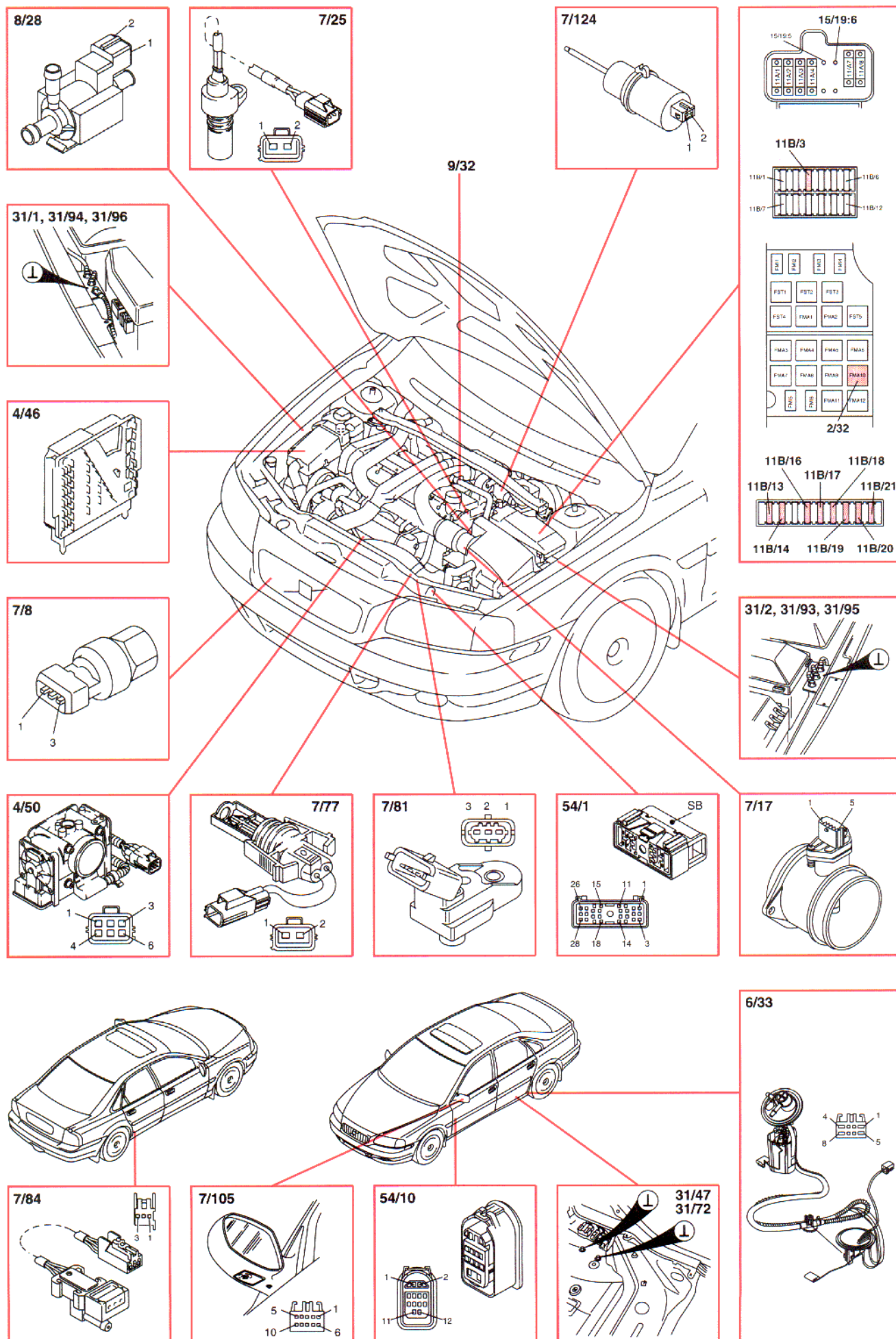
Engine management system ME7, 5 cylinder engines



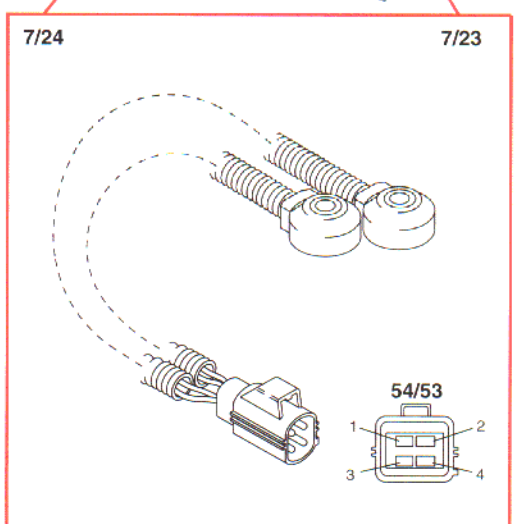
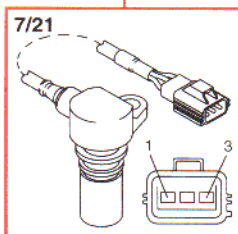
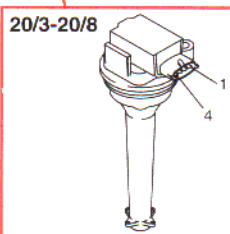
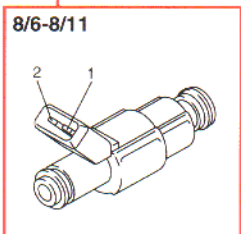
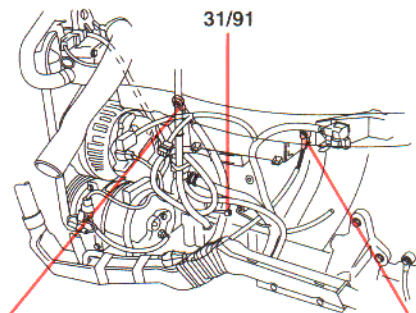
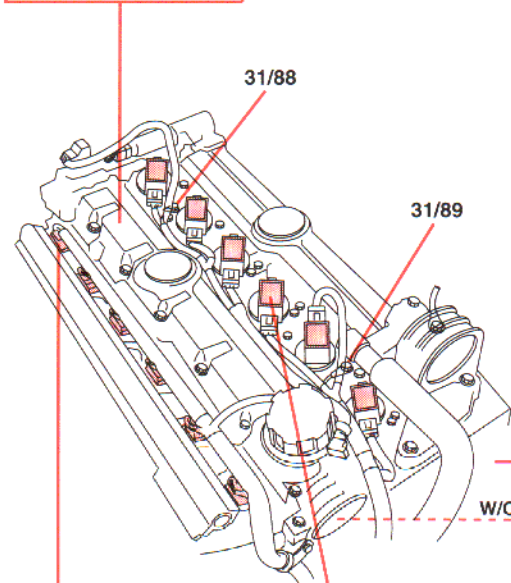
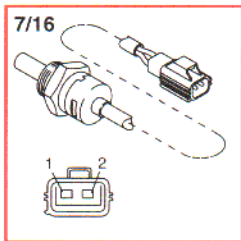
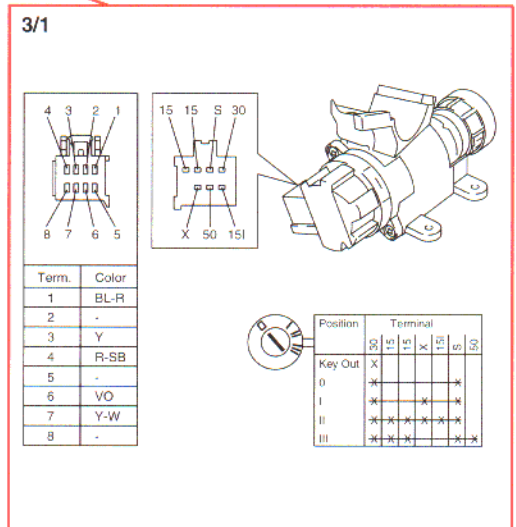
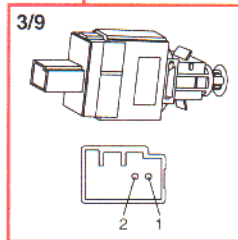
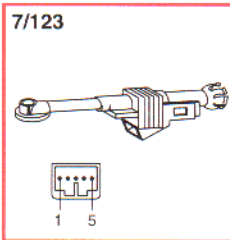
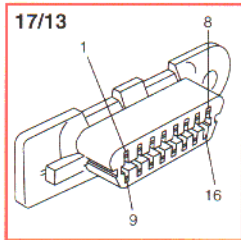
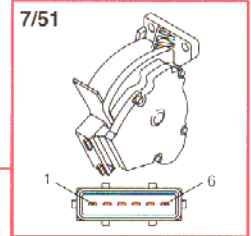
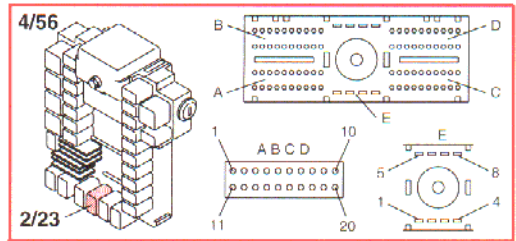
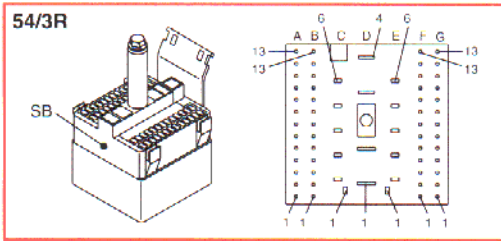
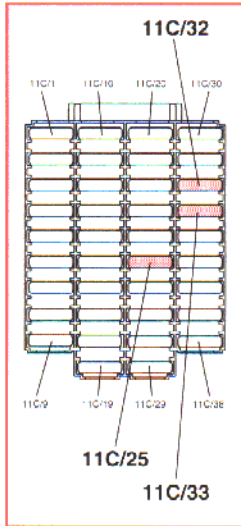
Engine management system
ME7, 6 cylinder engines



Engine management system ME7, 6 cylinder engines

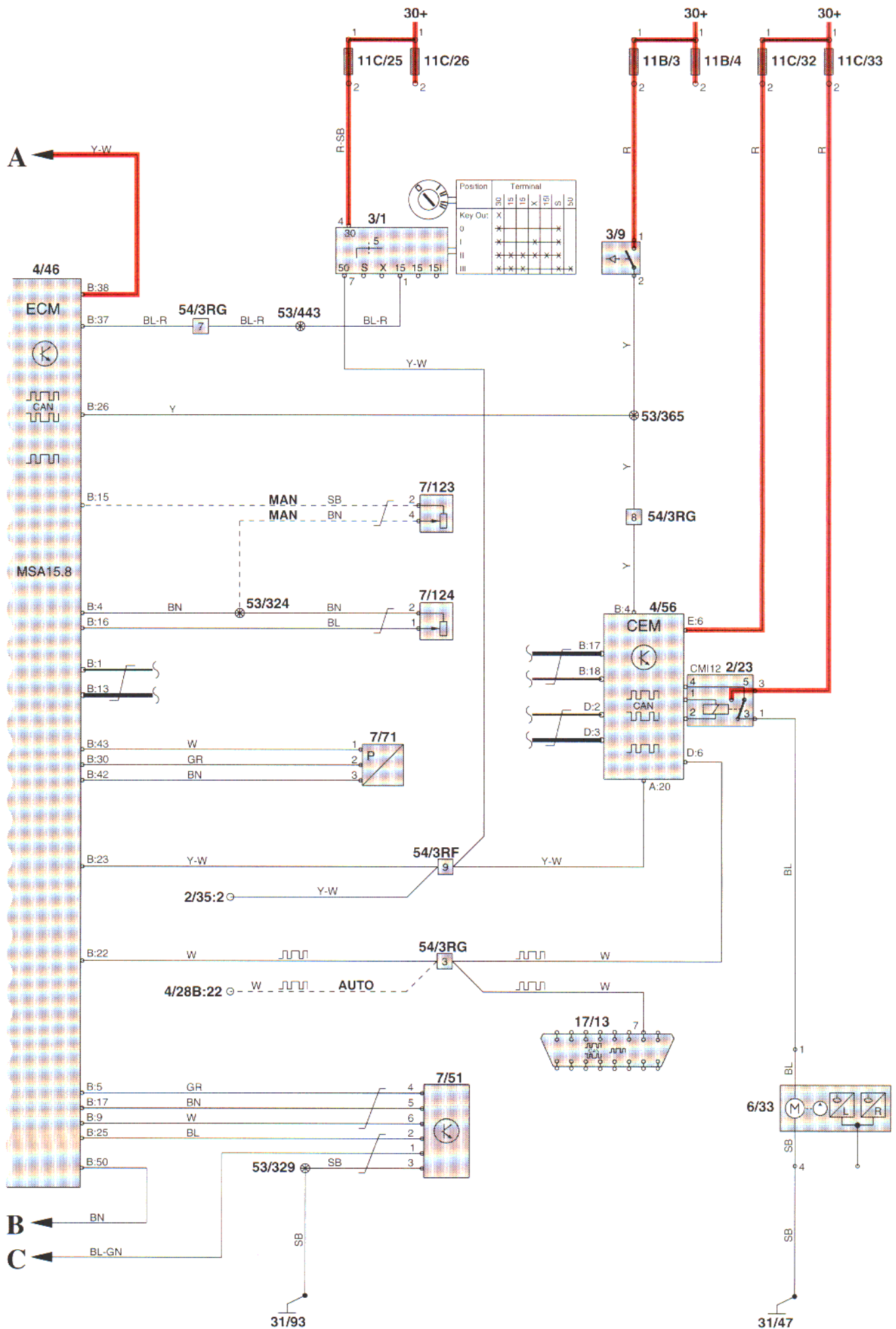


Engine management system
ME7, 6 cylinder engines

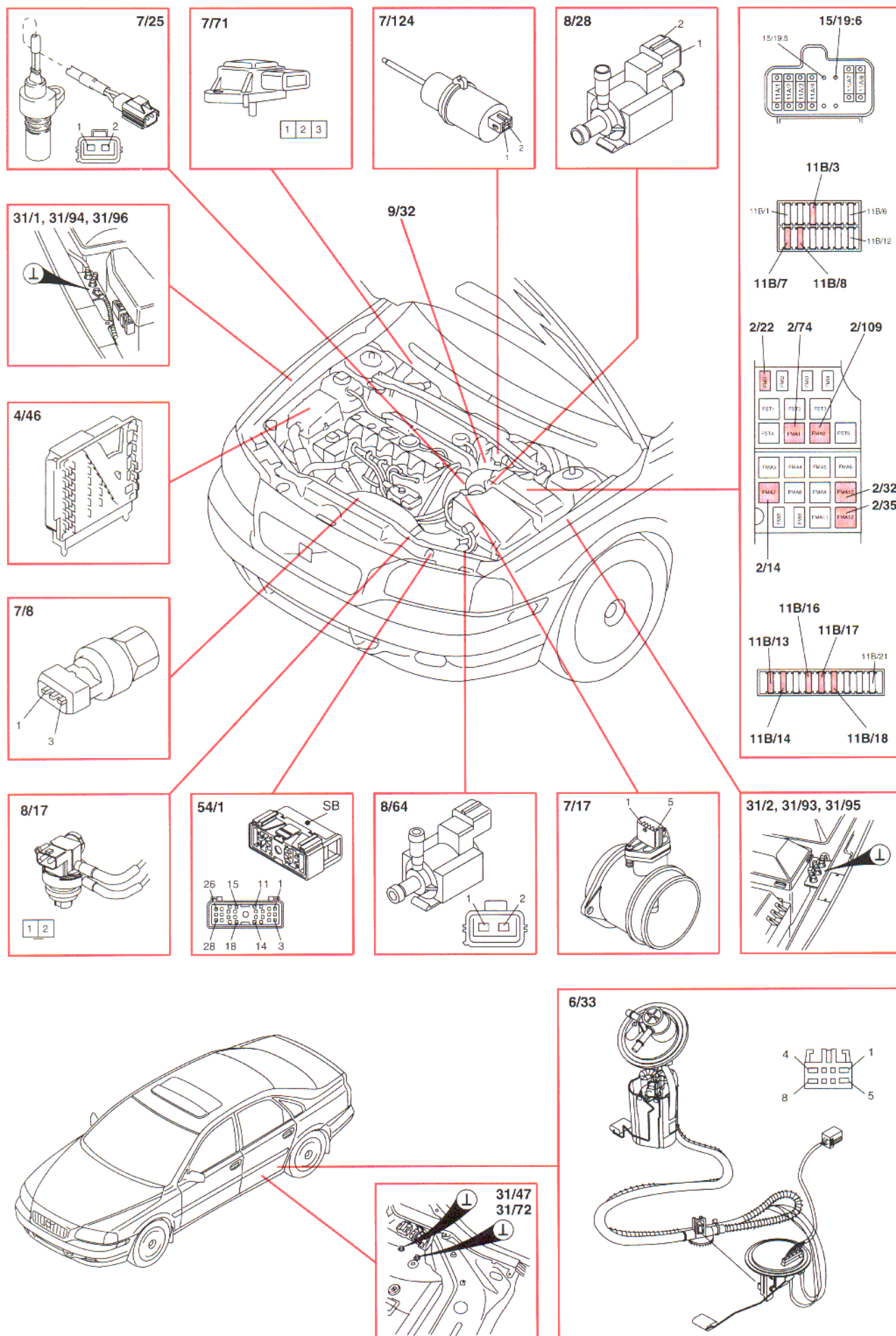


Engine management system

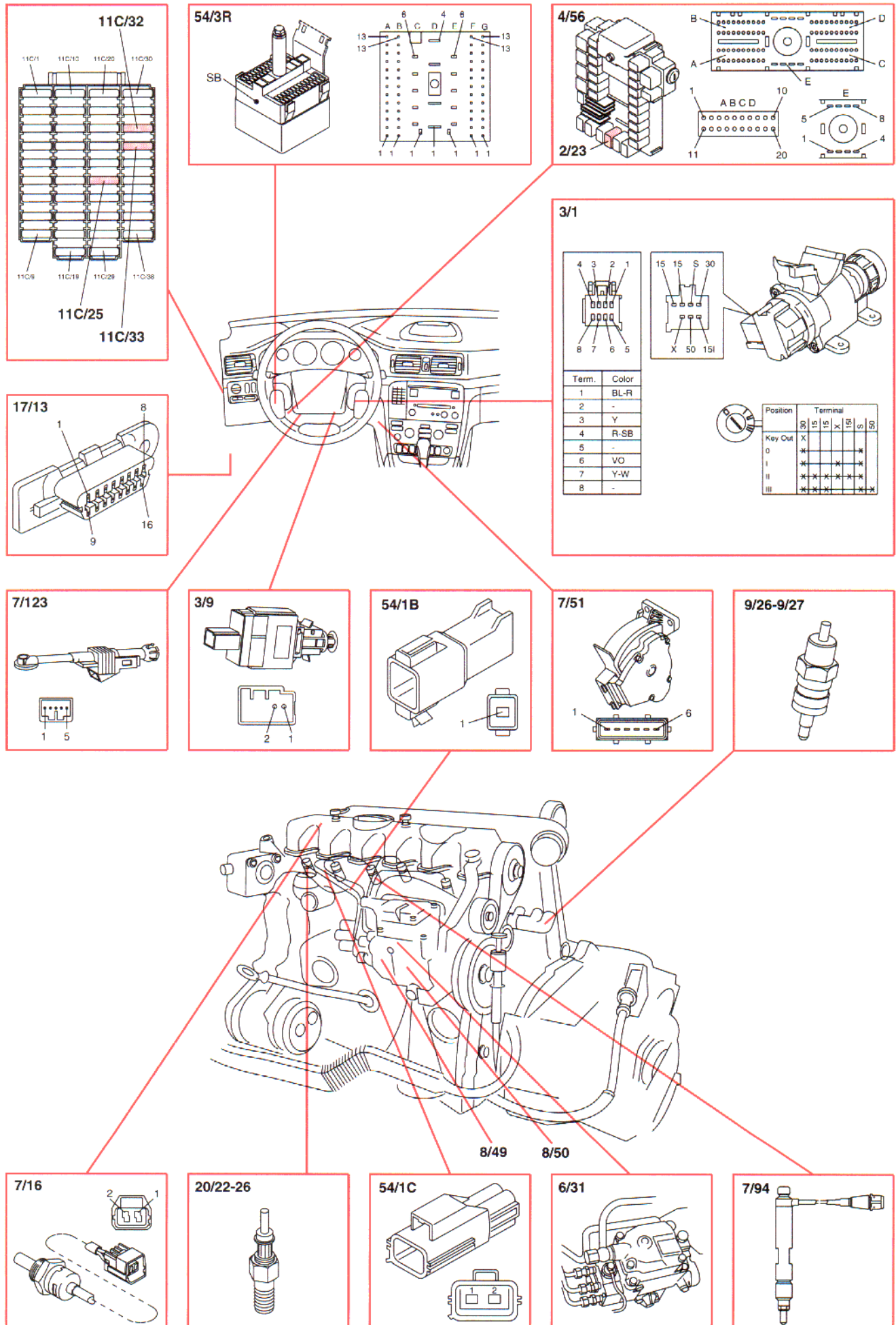
MSA 15.8



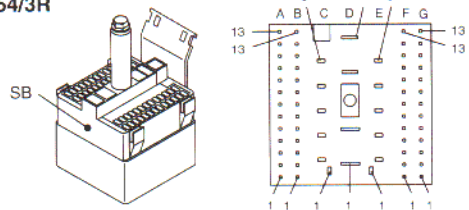
Engine management system MSA 15.8



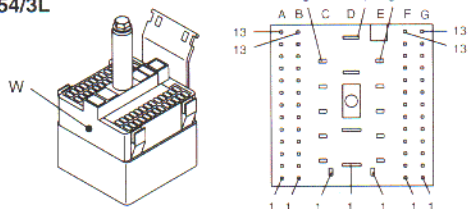
Engine management system MSA 15.8



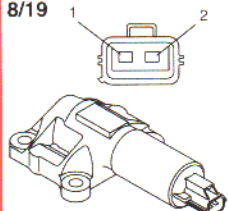
54/3R



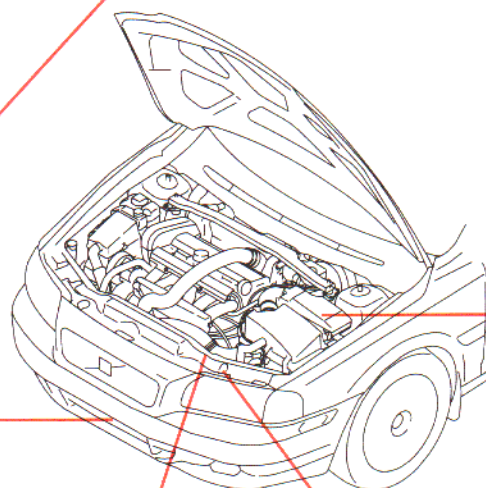
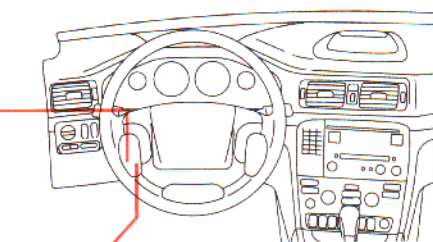
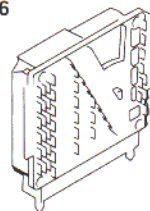
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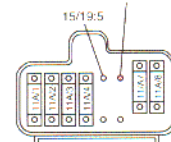
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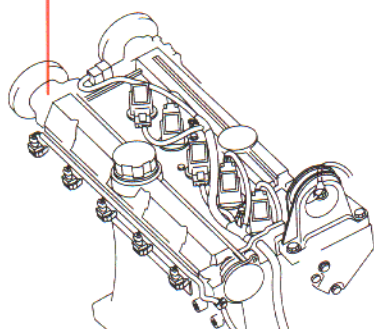
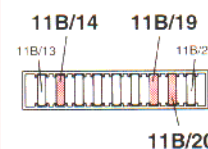
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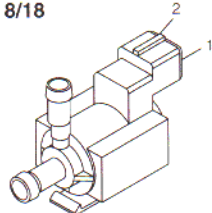
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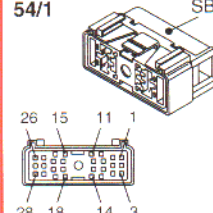
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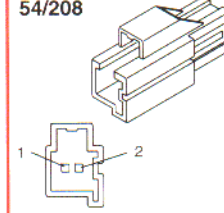
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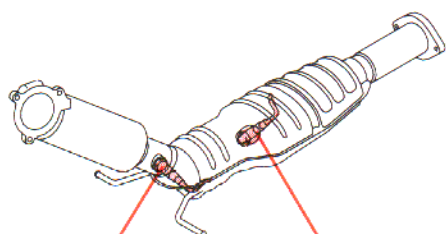
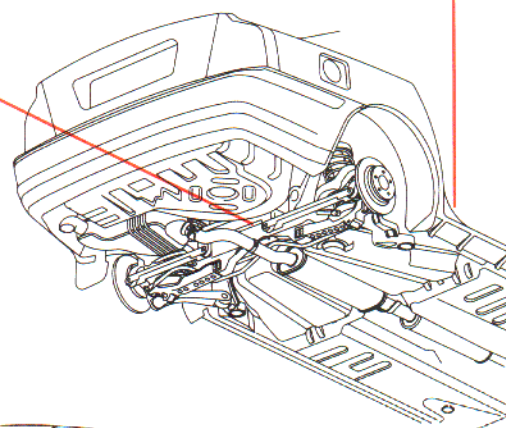
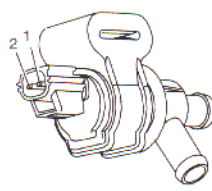
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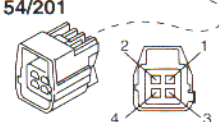
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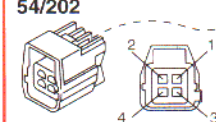
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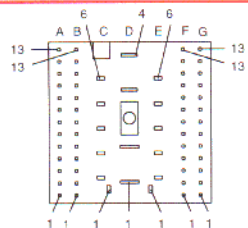
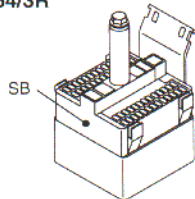
54/202



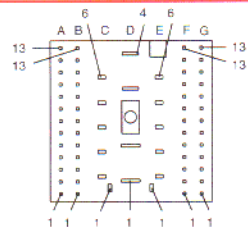
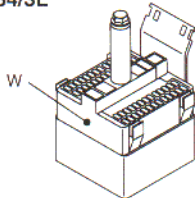
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Emissions control ME7

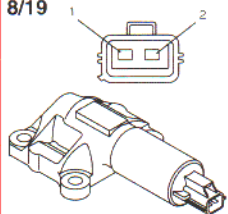
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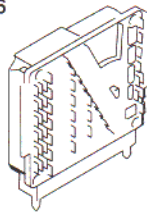
54/3L



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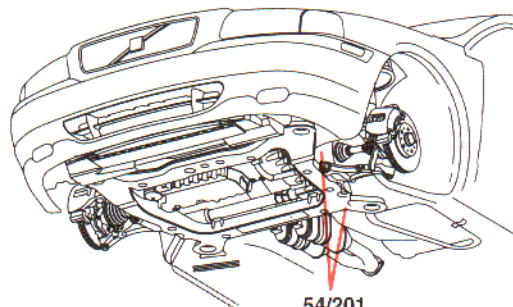
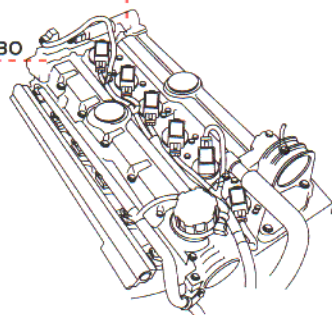


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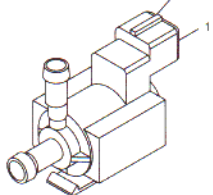
TURBO

W/O TURBO

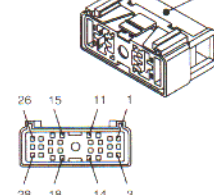


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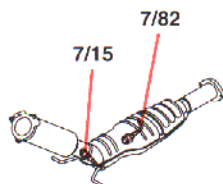
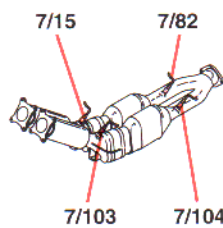
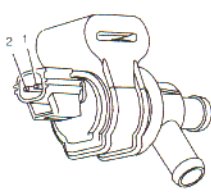
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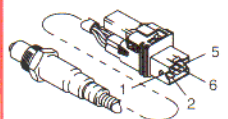


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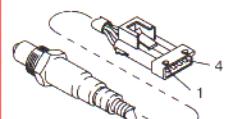
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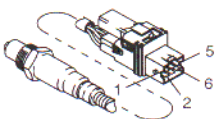
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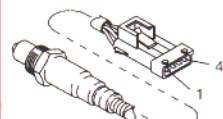
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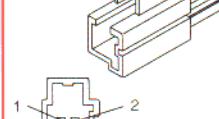


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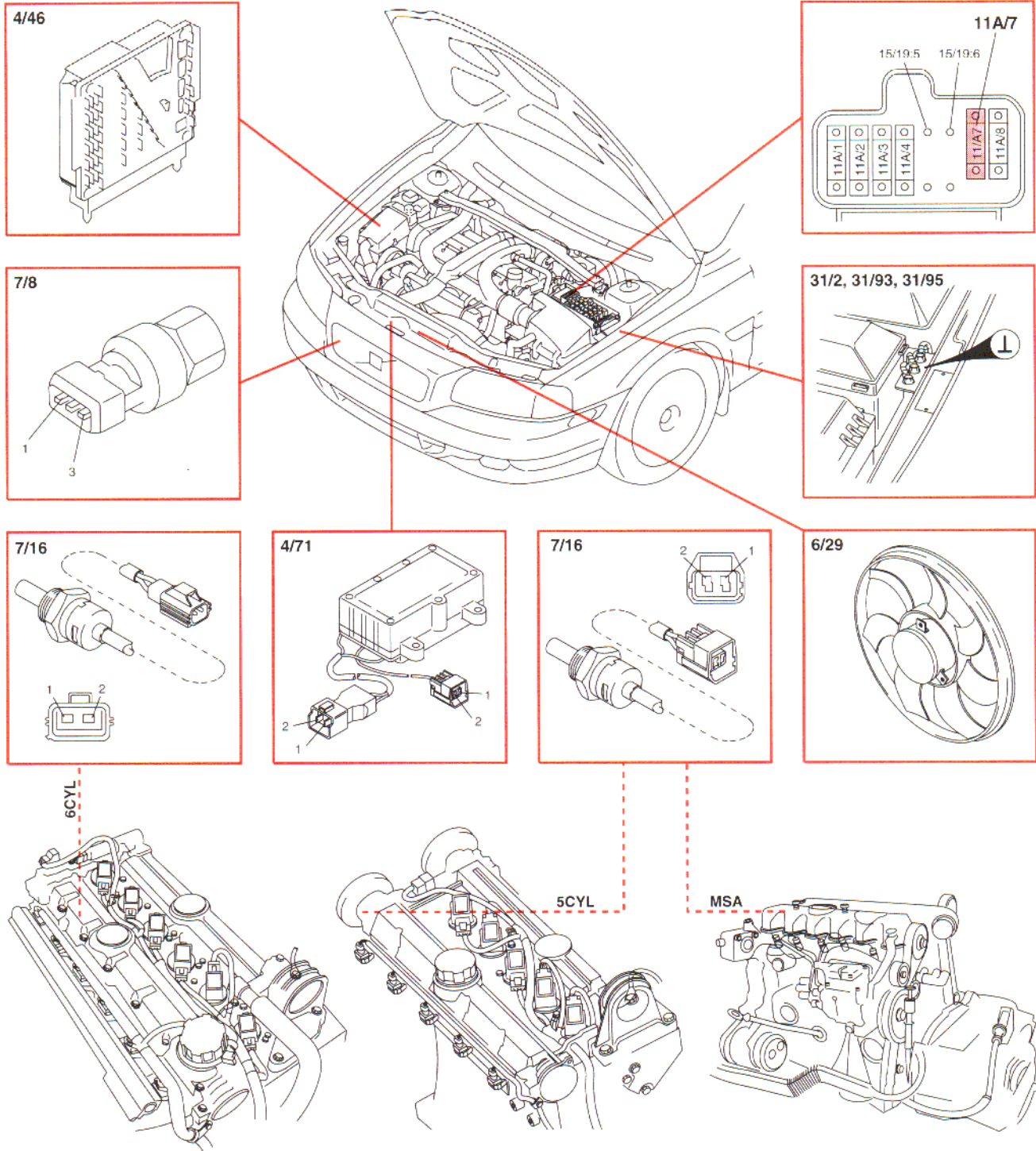
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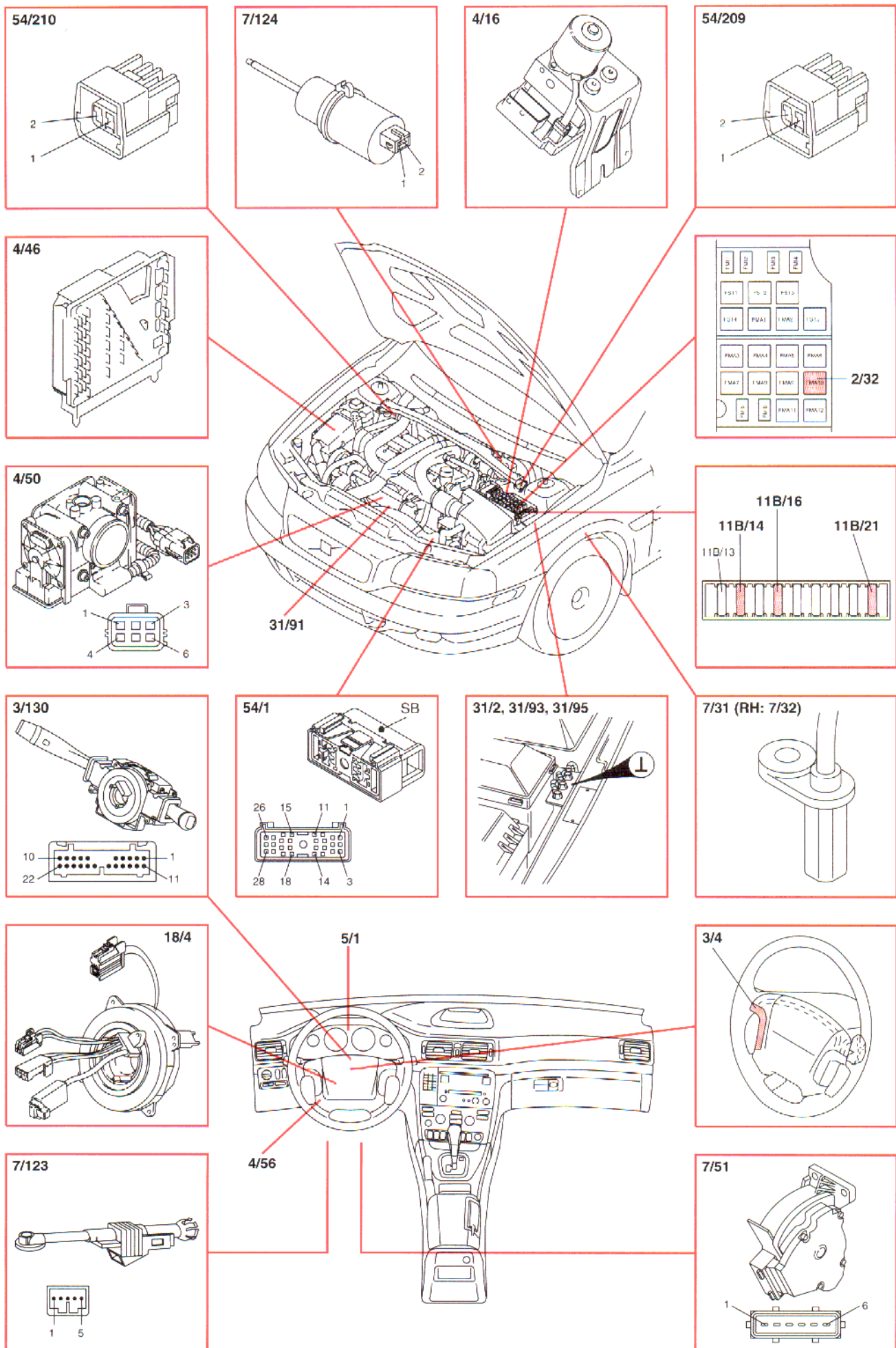


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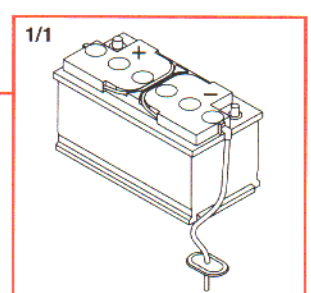
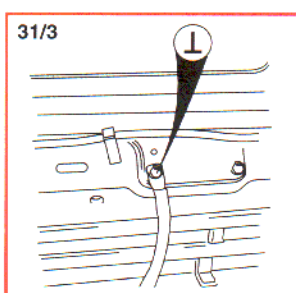
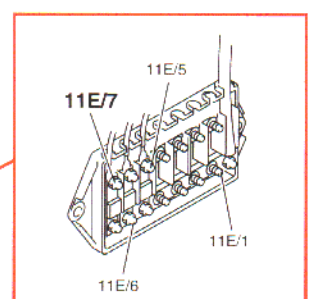
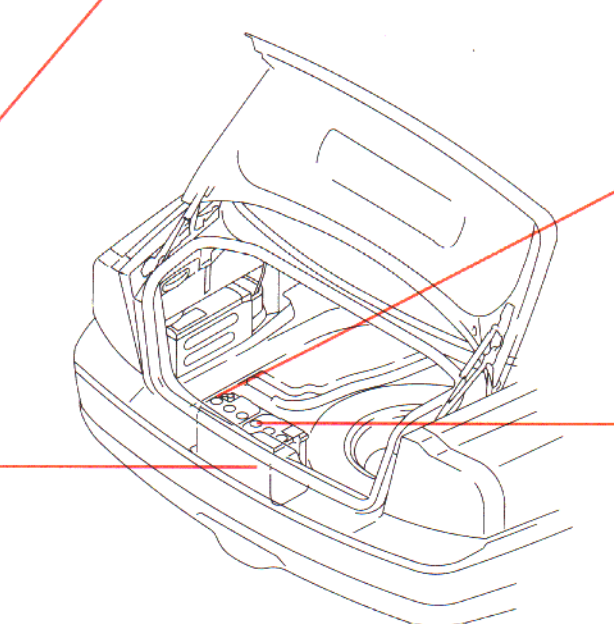
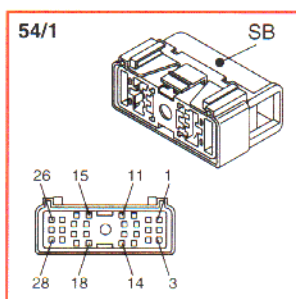
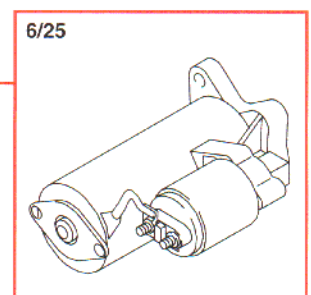
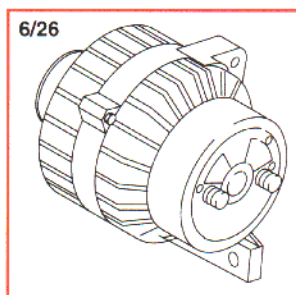
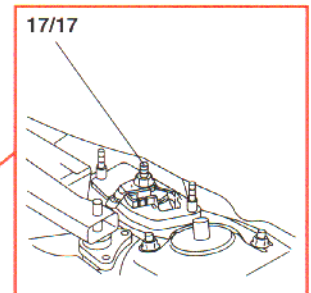
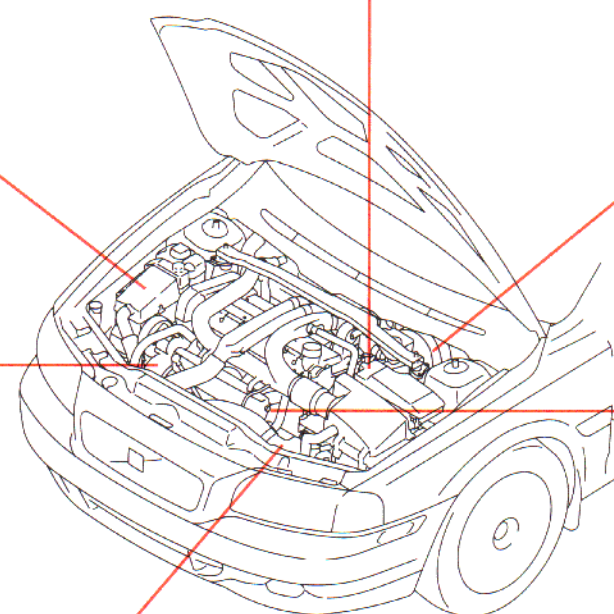
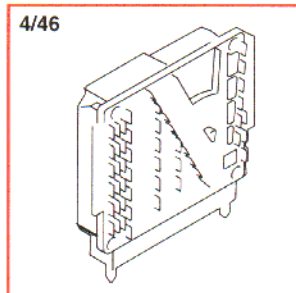
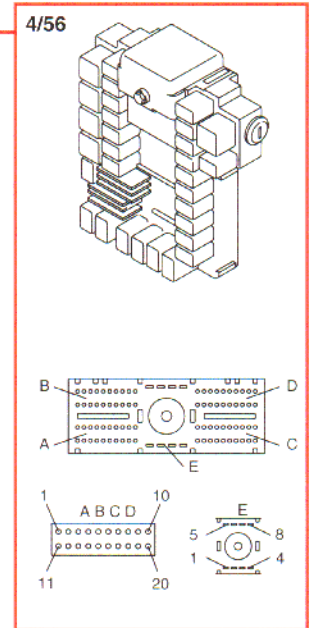
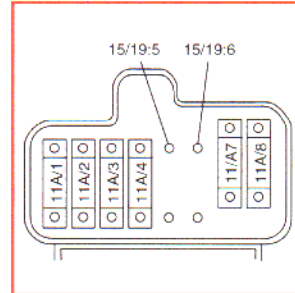
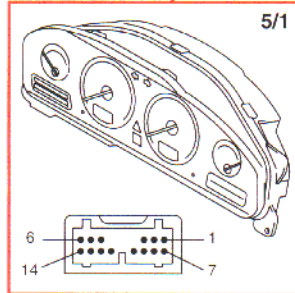
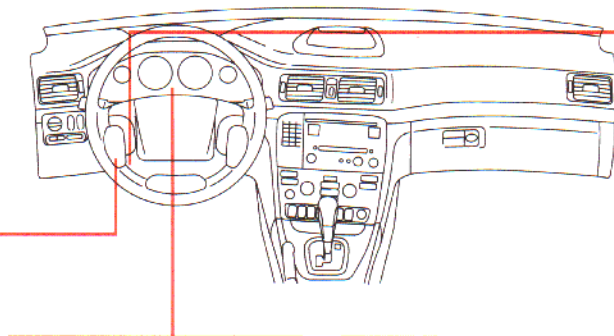
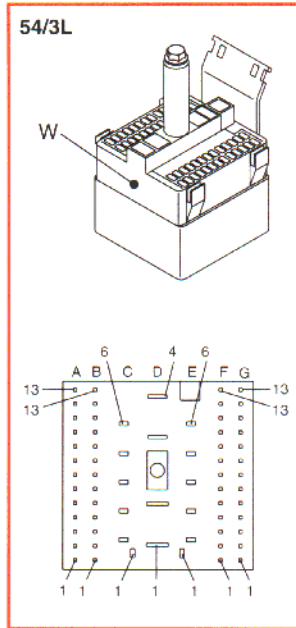


Engine cooling fan (FC)

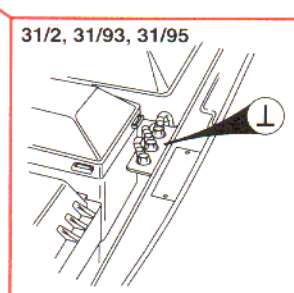
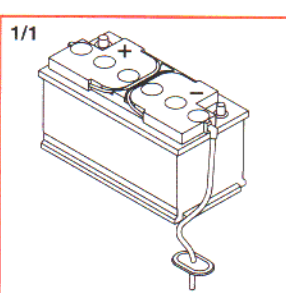
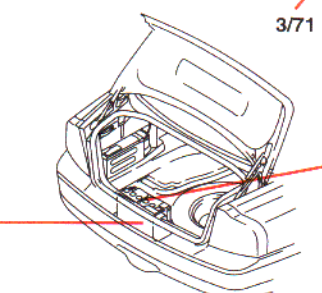
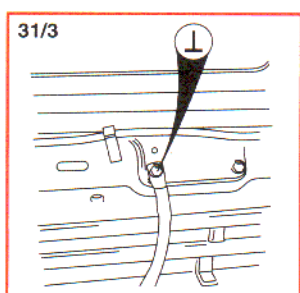
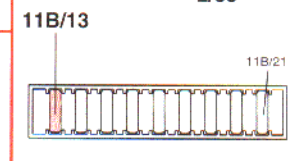
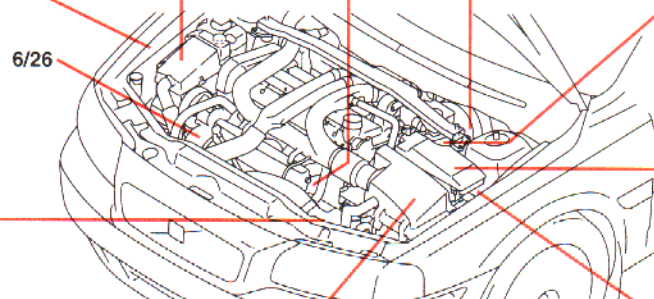
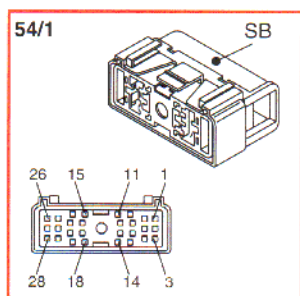
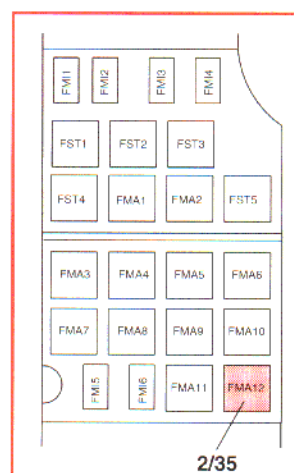
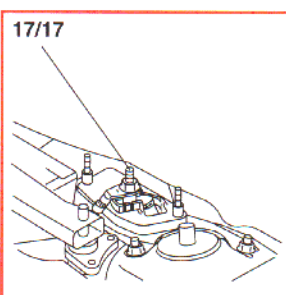
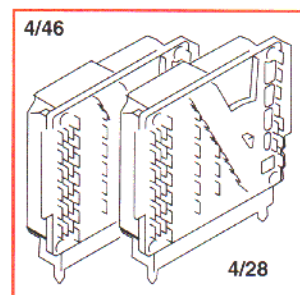
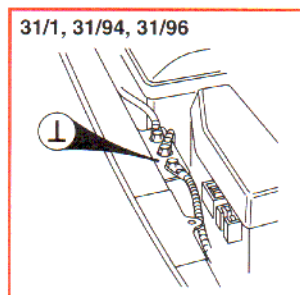
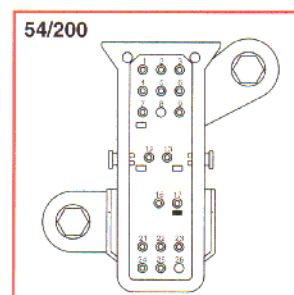
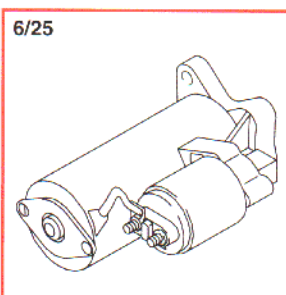
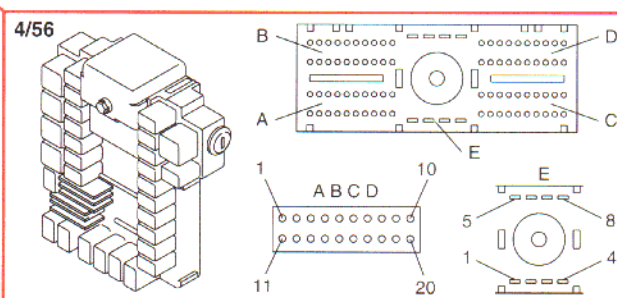
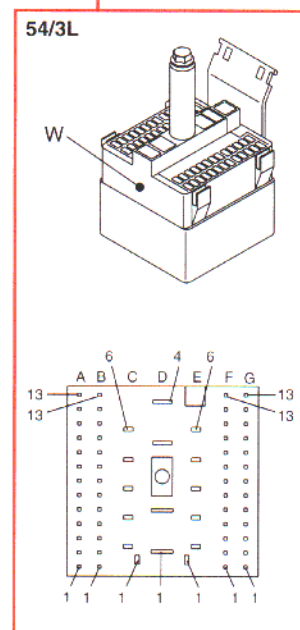
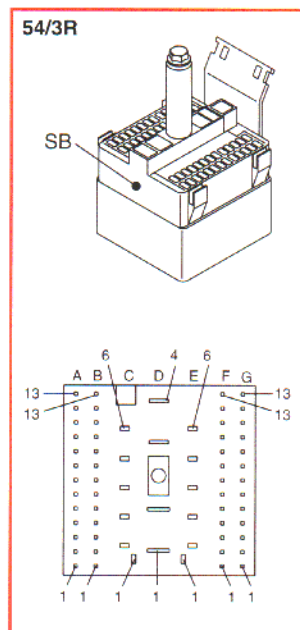
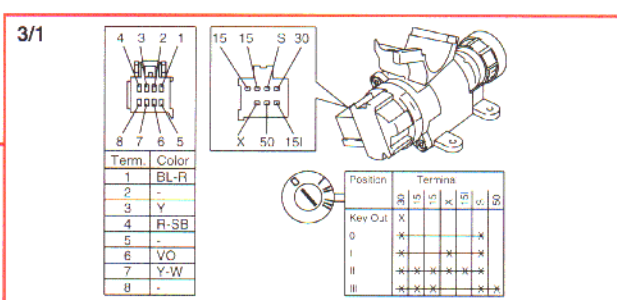
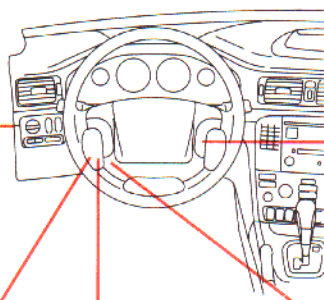
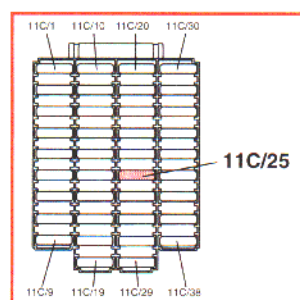




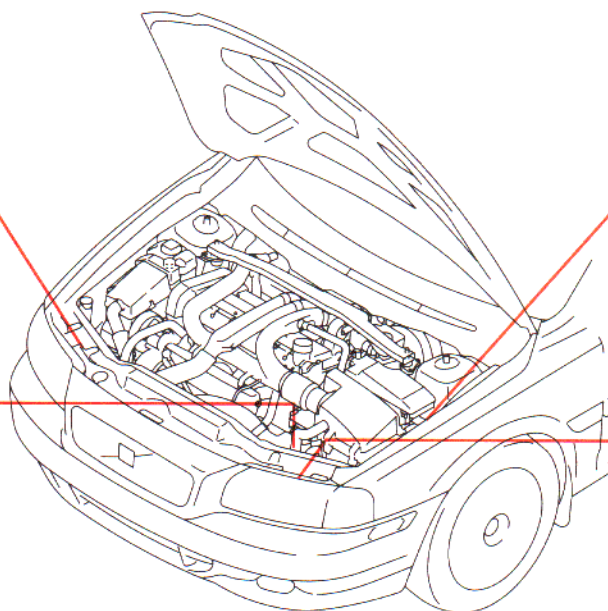
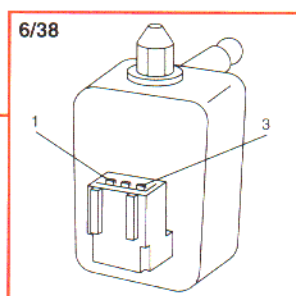
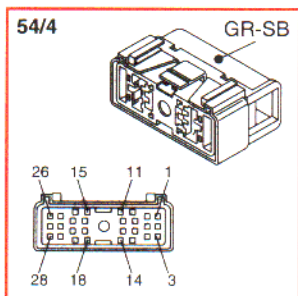
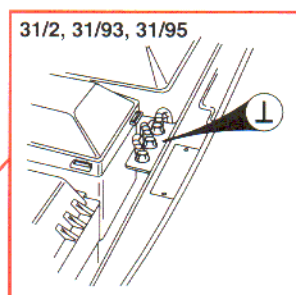
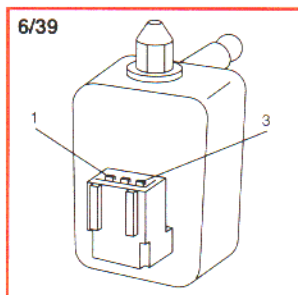
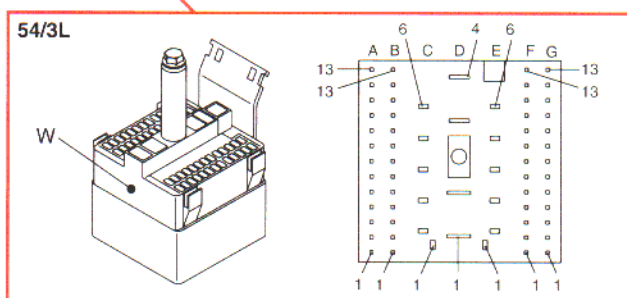
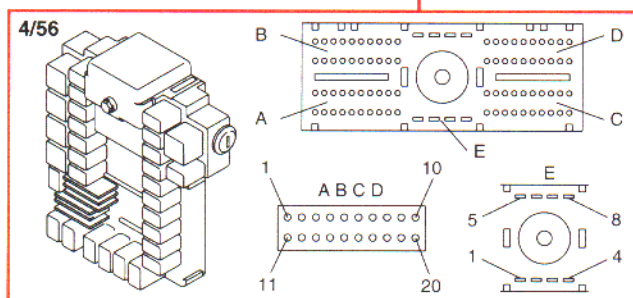
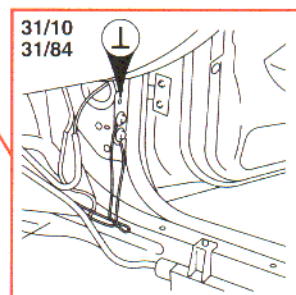
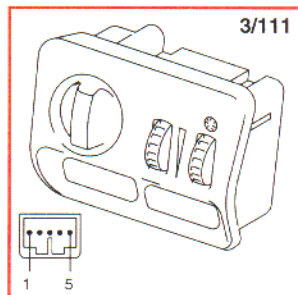
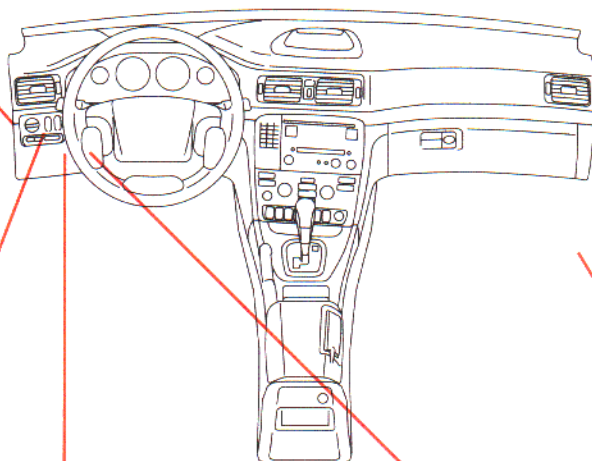
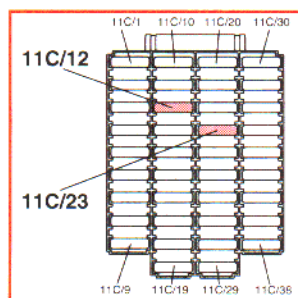
Power supply

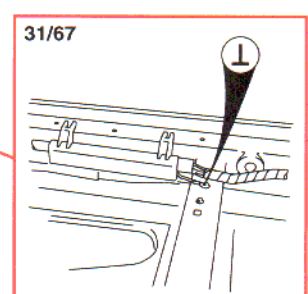
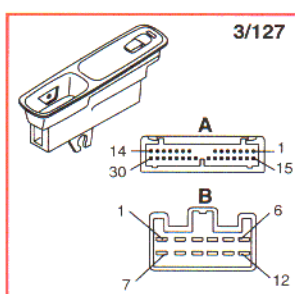
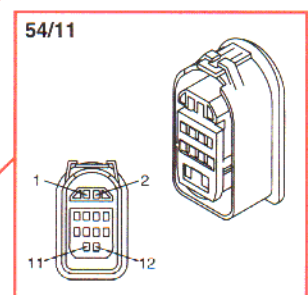
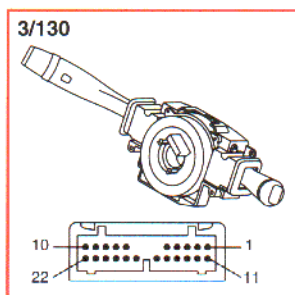
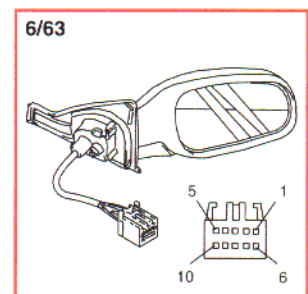
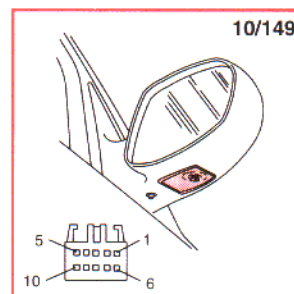
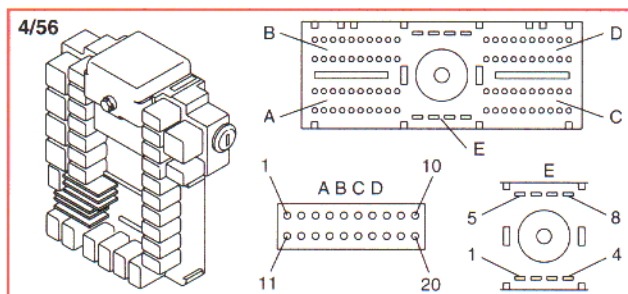
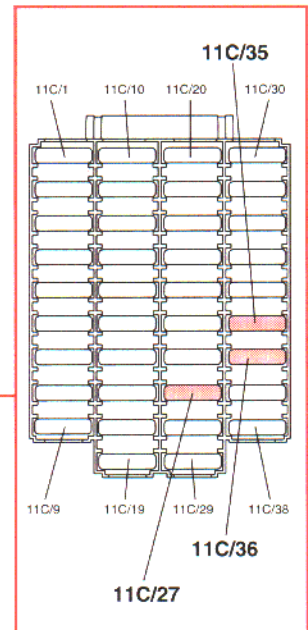
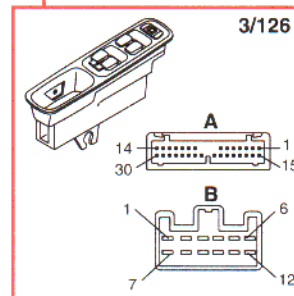
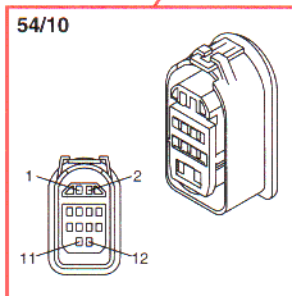
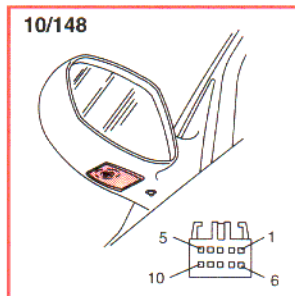
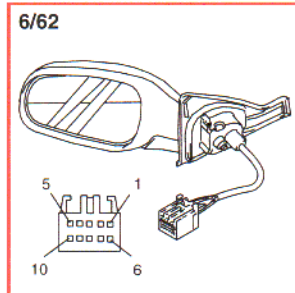
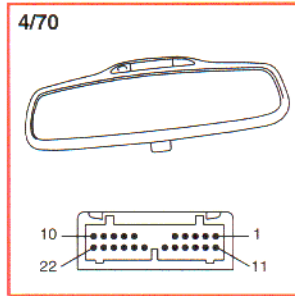


Starter system

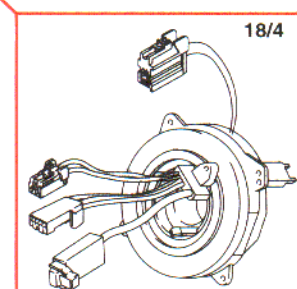
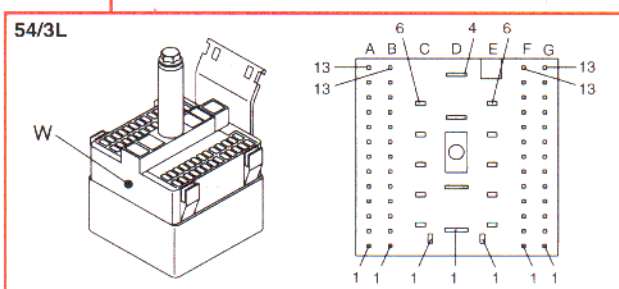
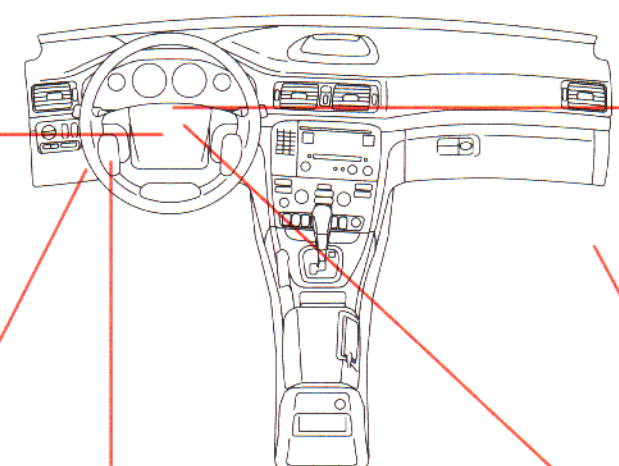
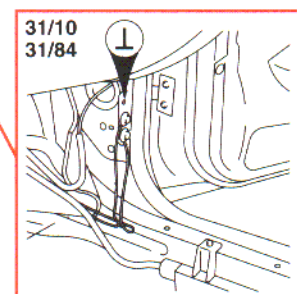
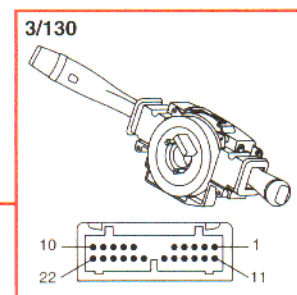
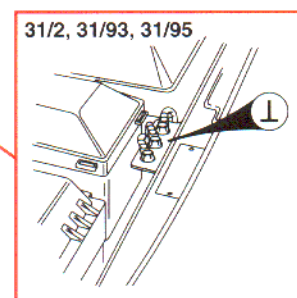
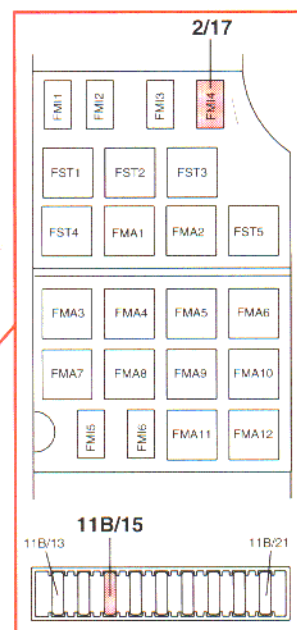
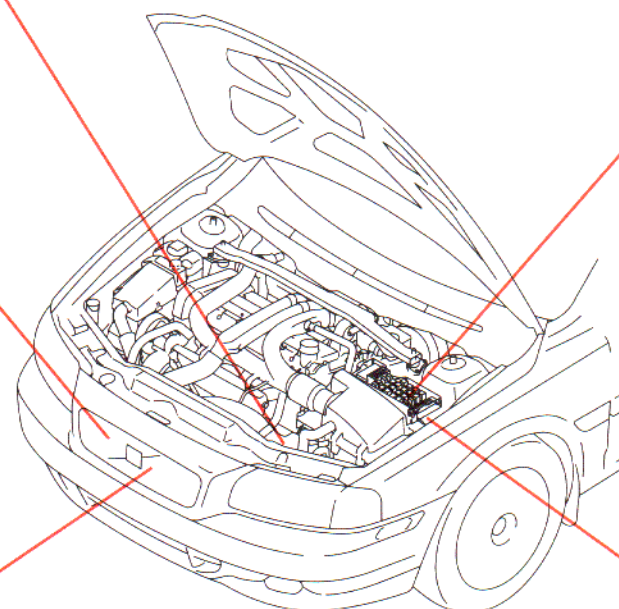
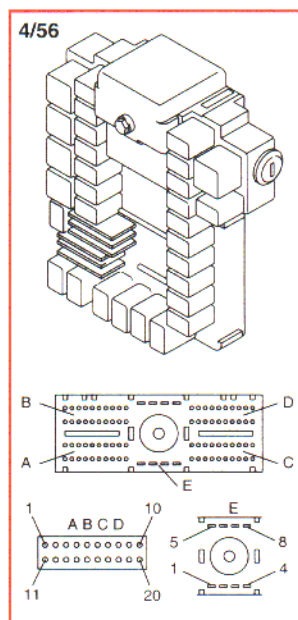
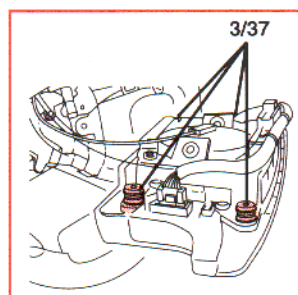
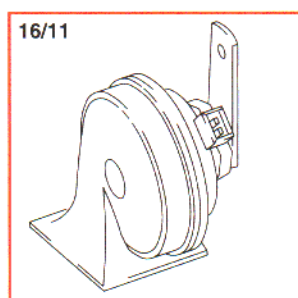
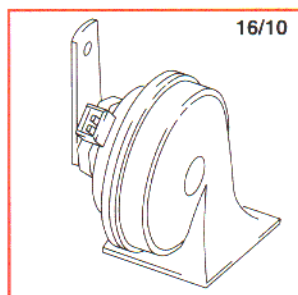
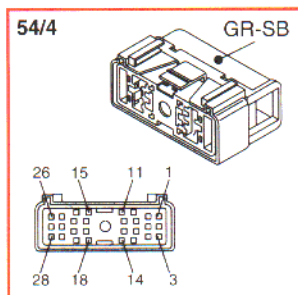


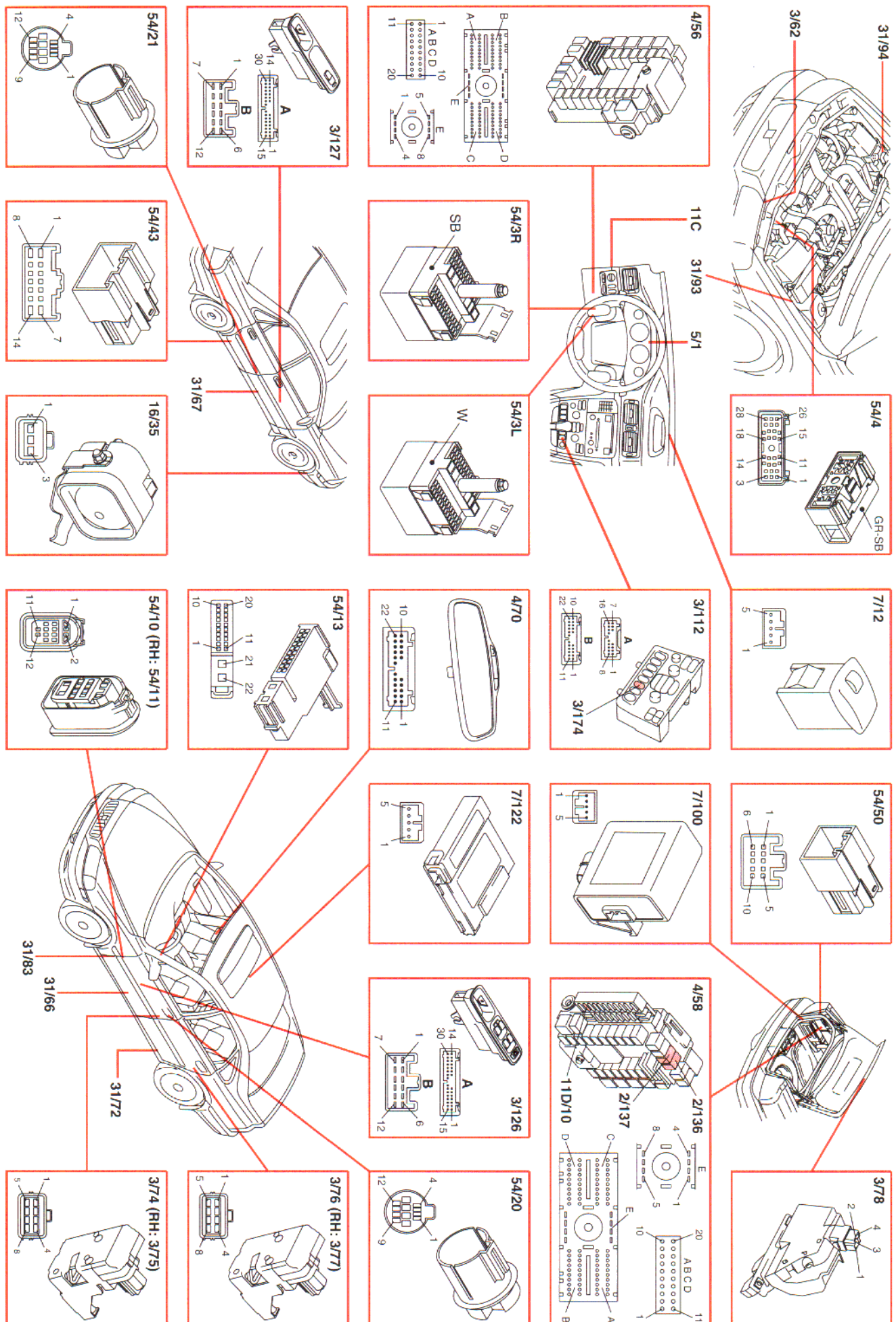
Headlamp range adjustment

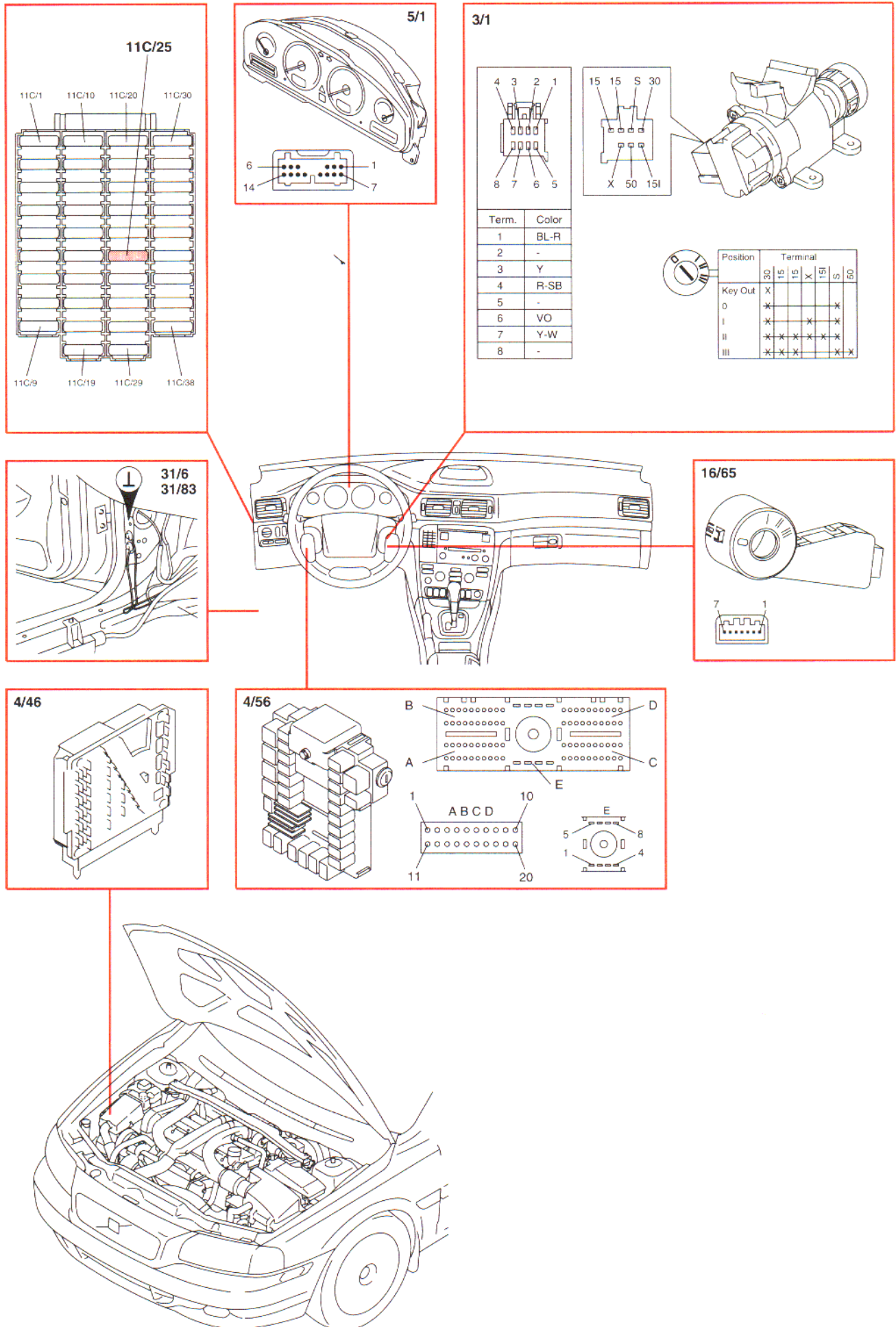


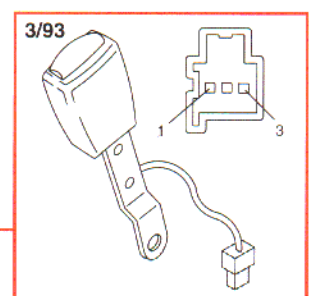
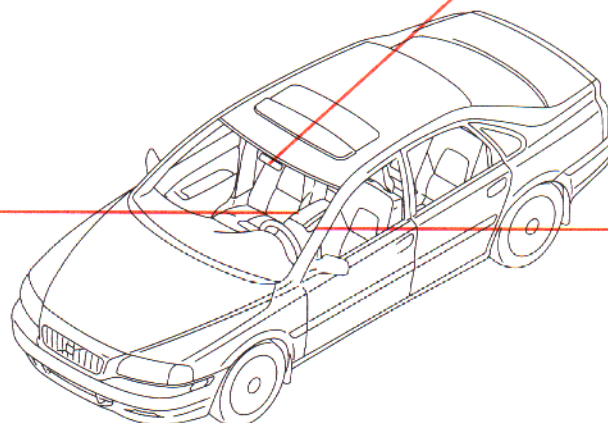
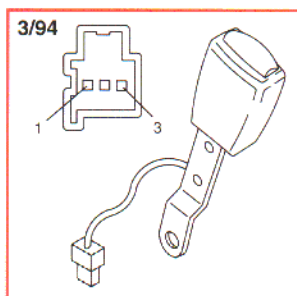
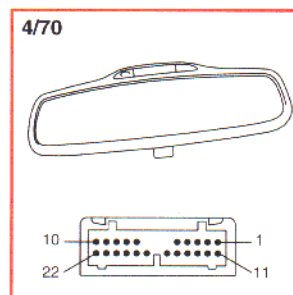
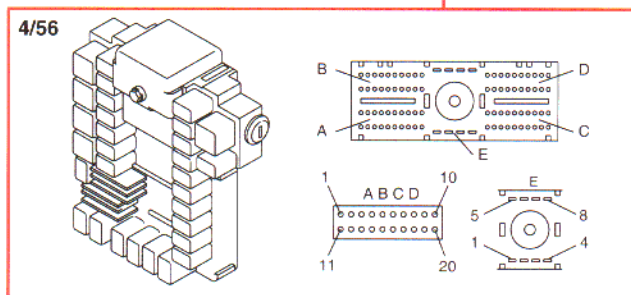
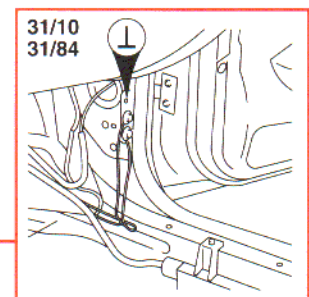
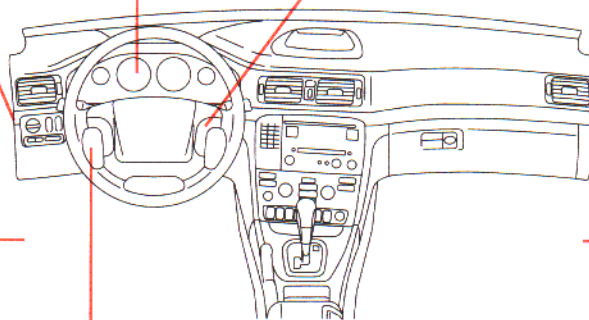
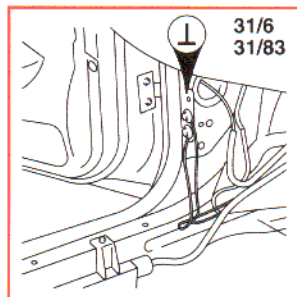
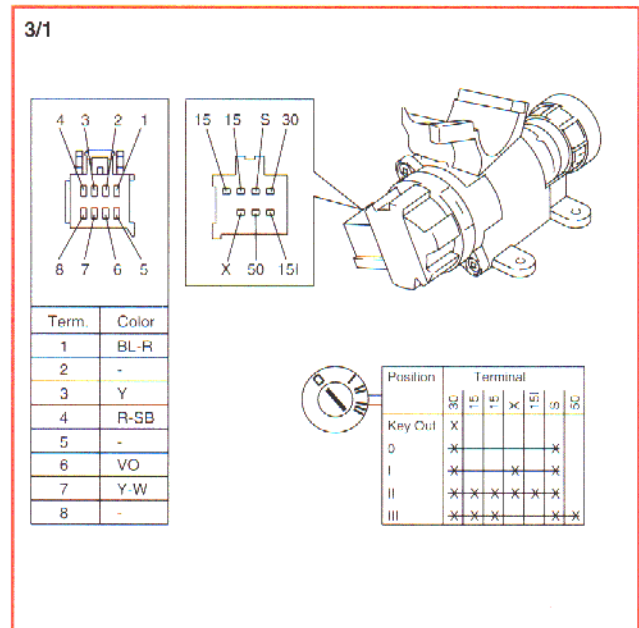
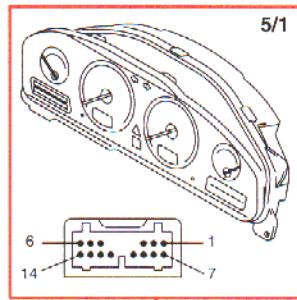
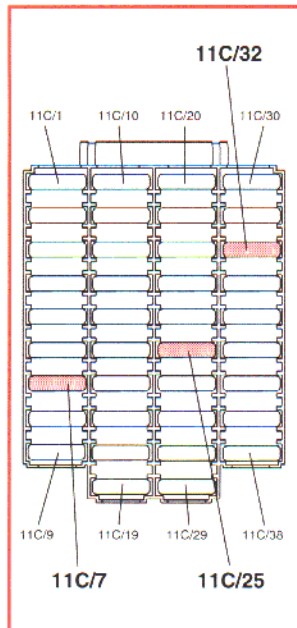


Signal horn

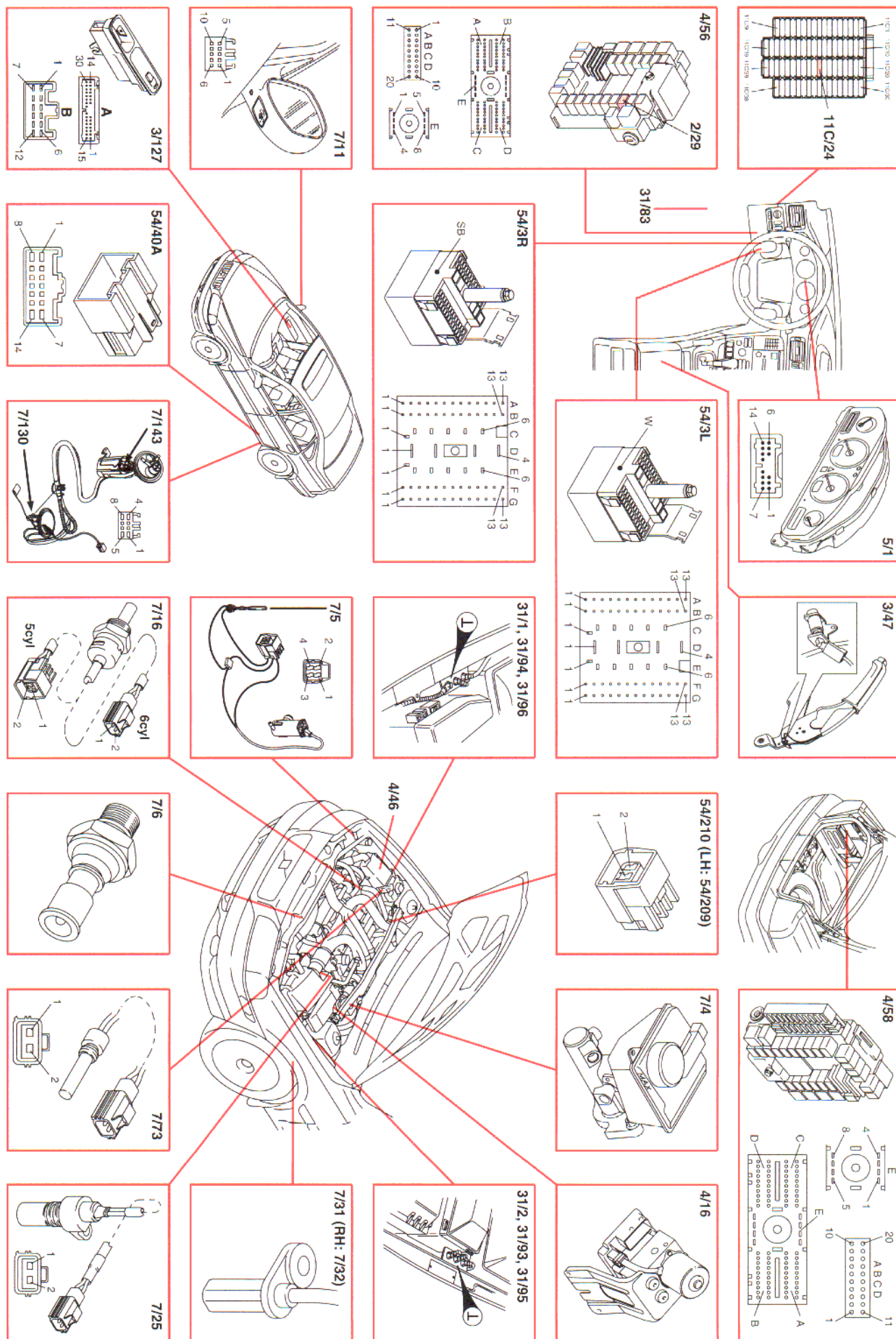




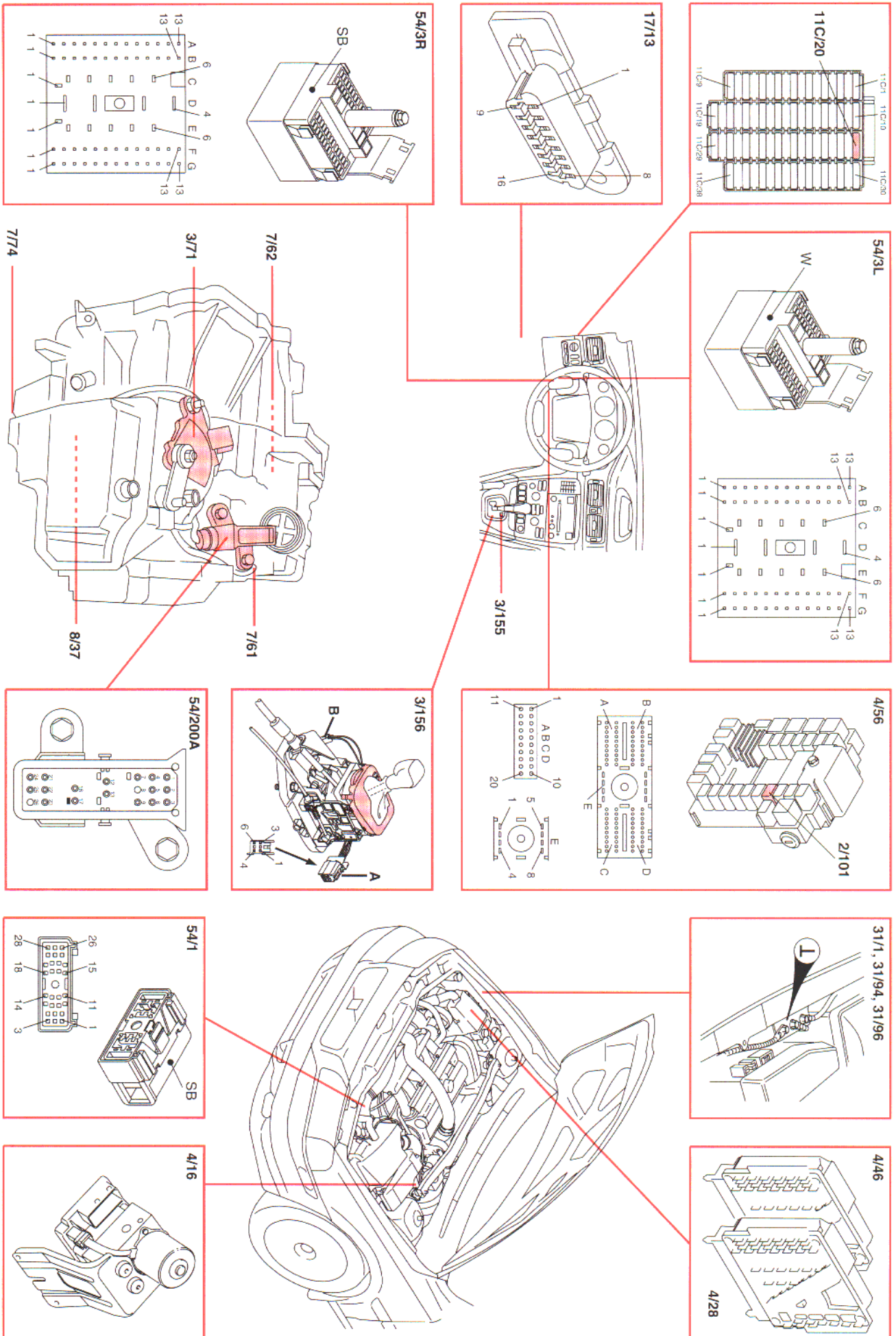




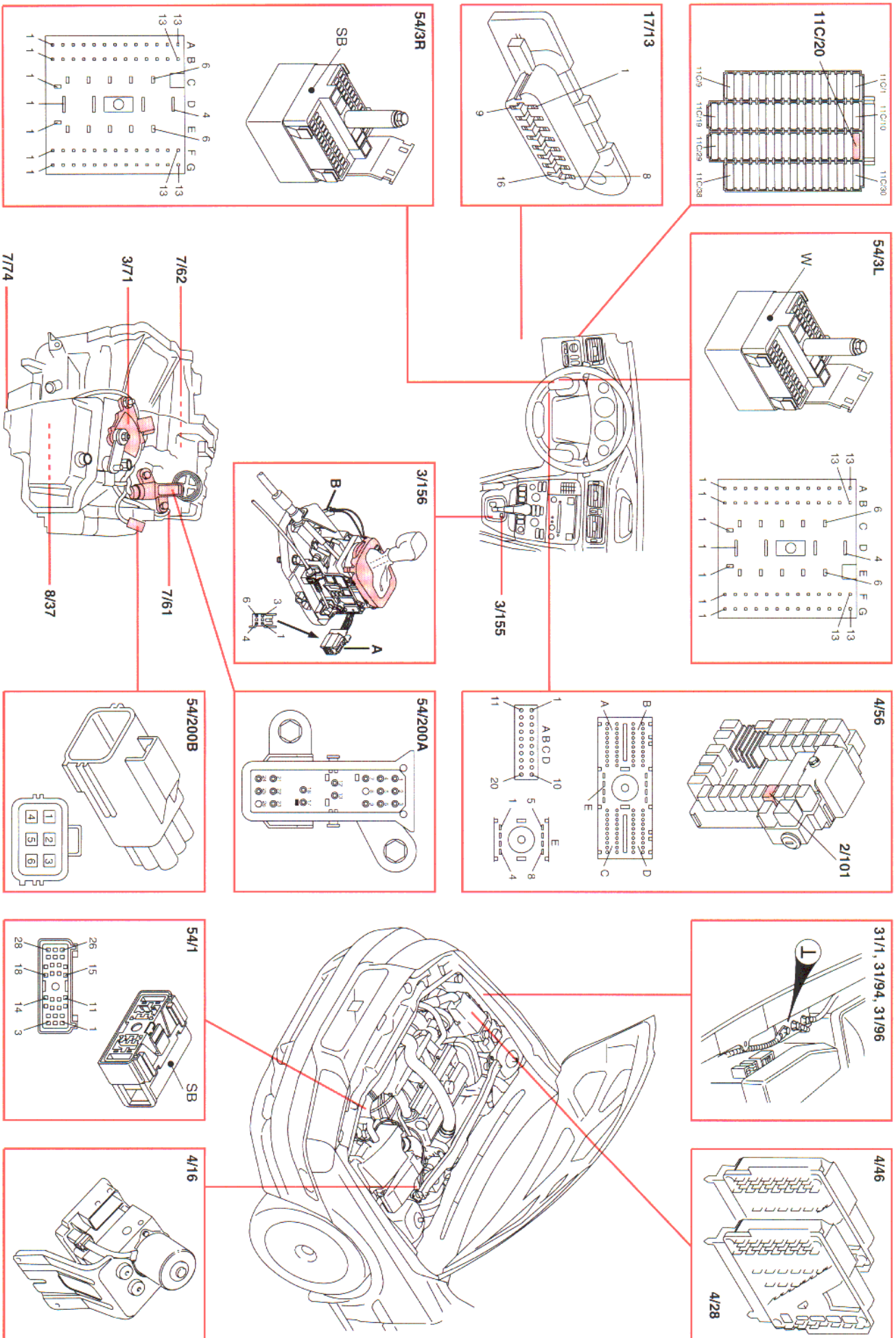
Combined instrument panel



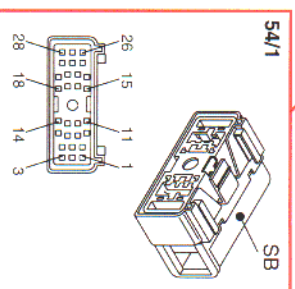
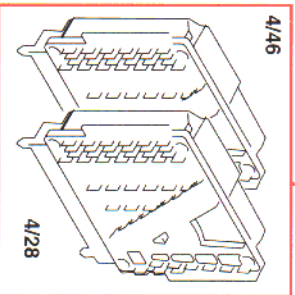
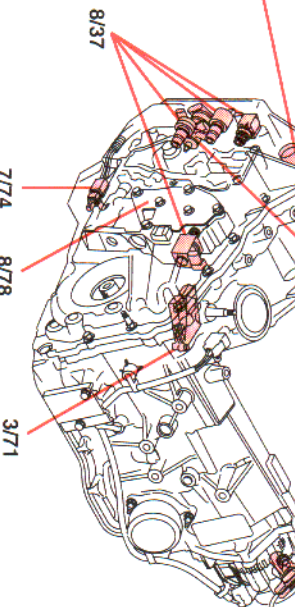
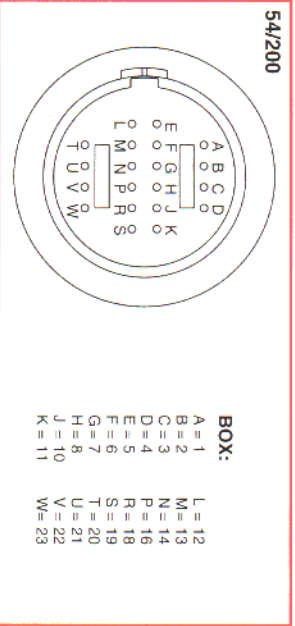
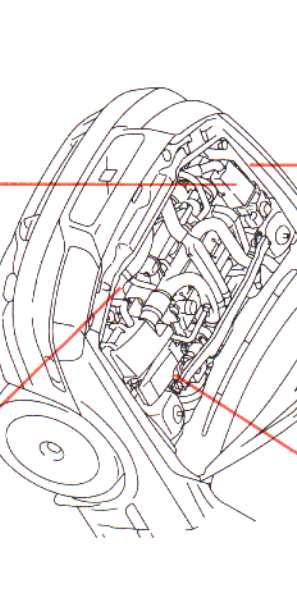
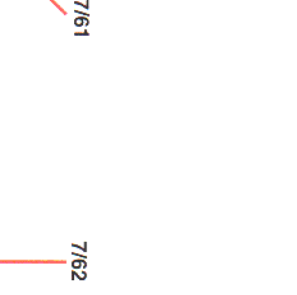
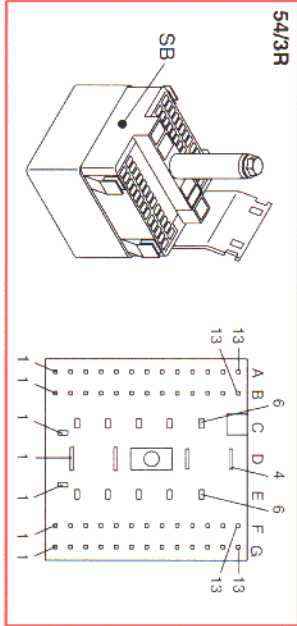
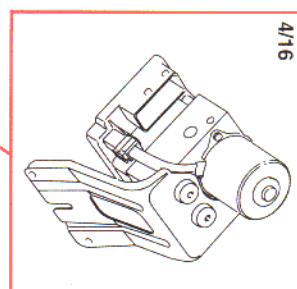
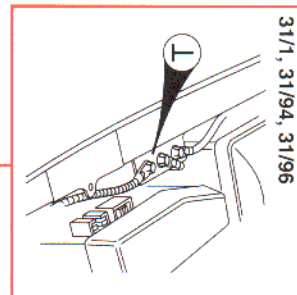
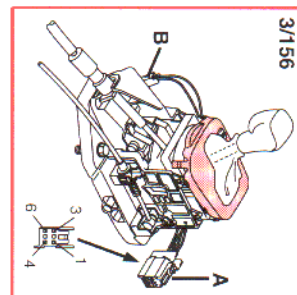
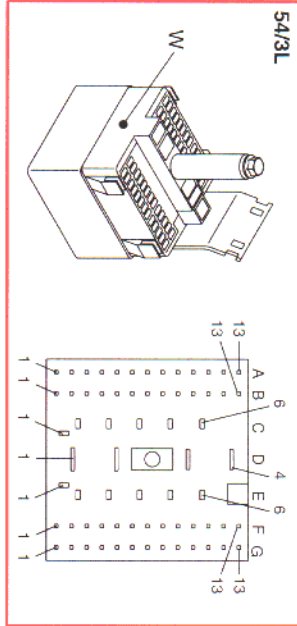
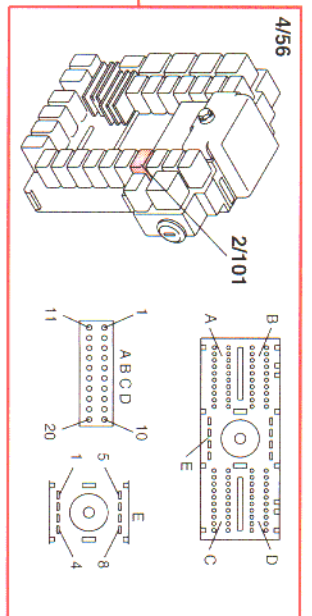
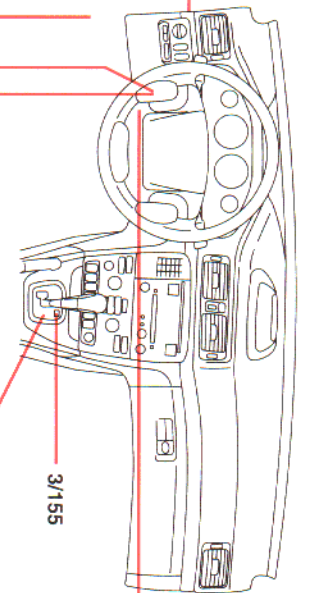
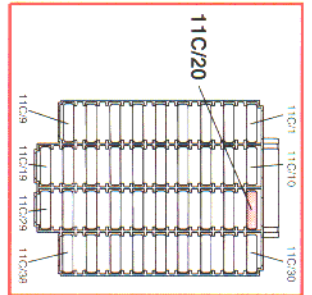
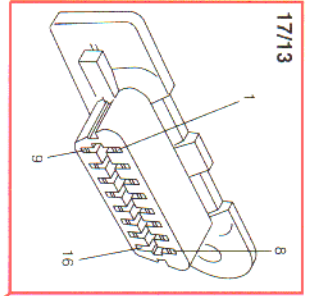
Automatic transmission AW 50-42



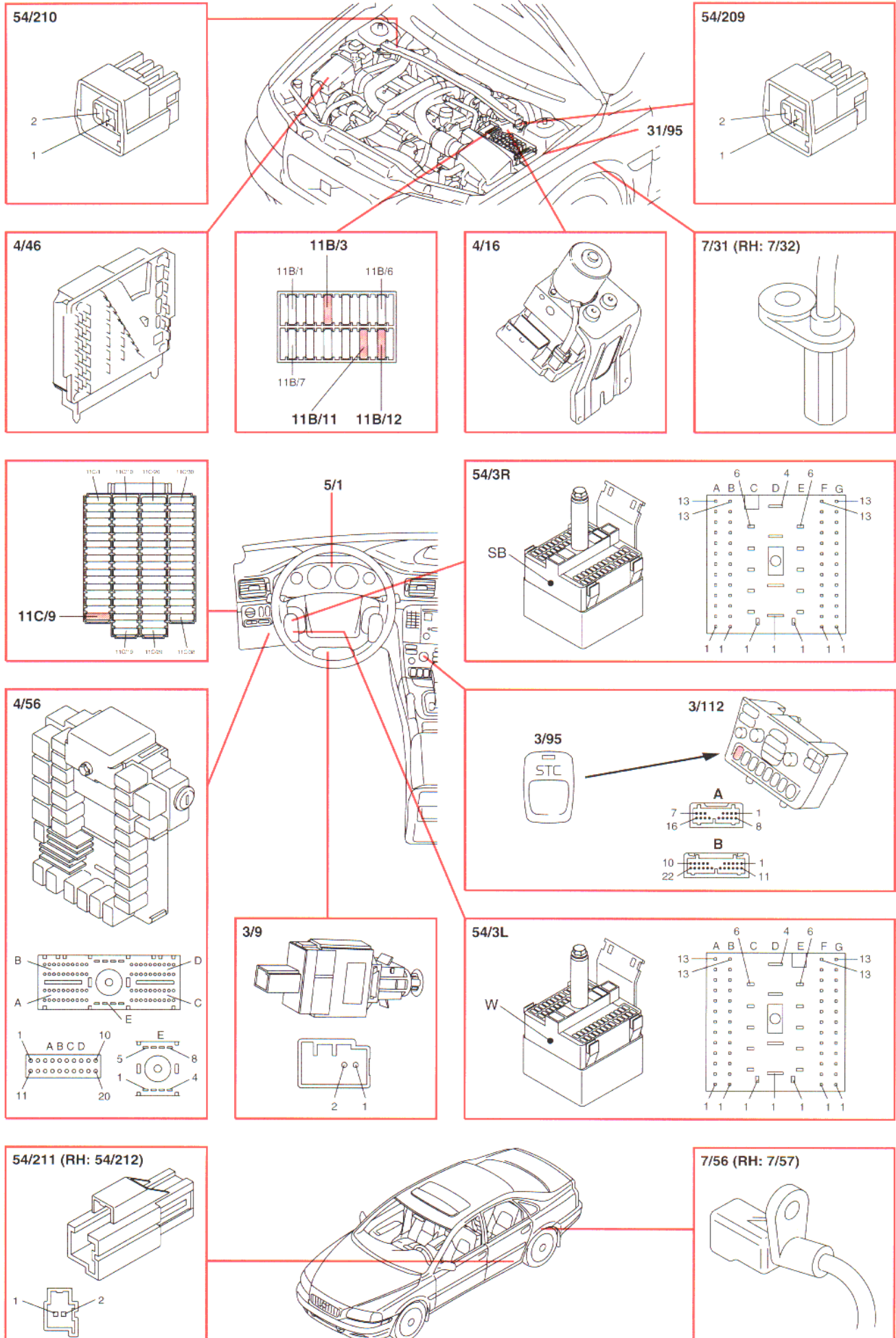
Automatic transmission AW 55-50



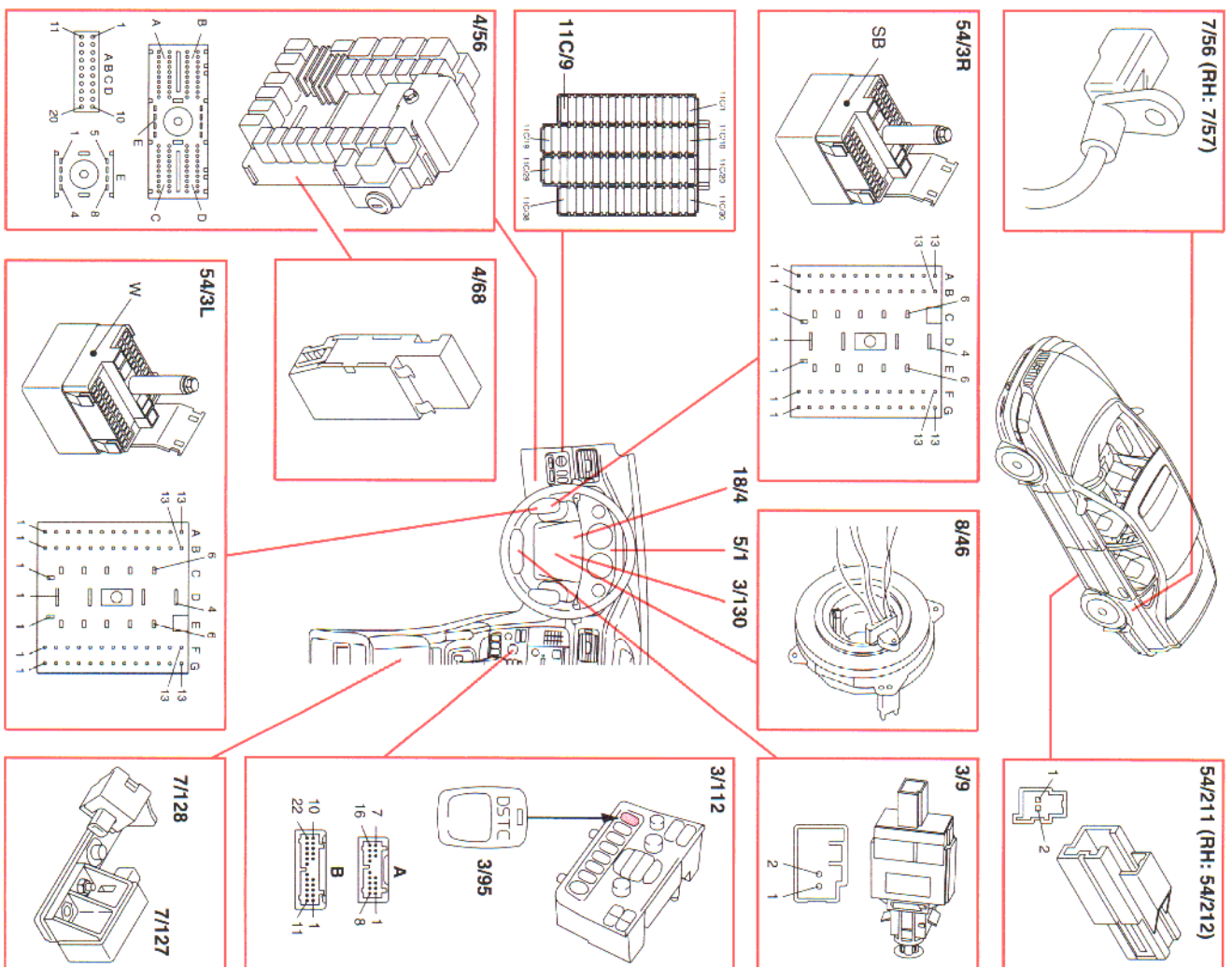
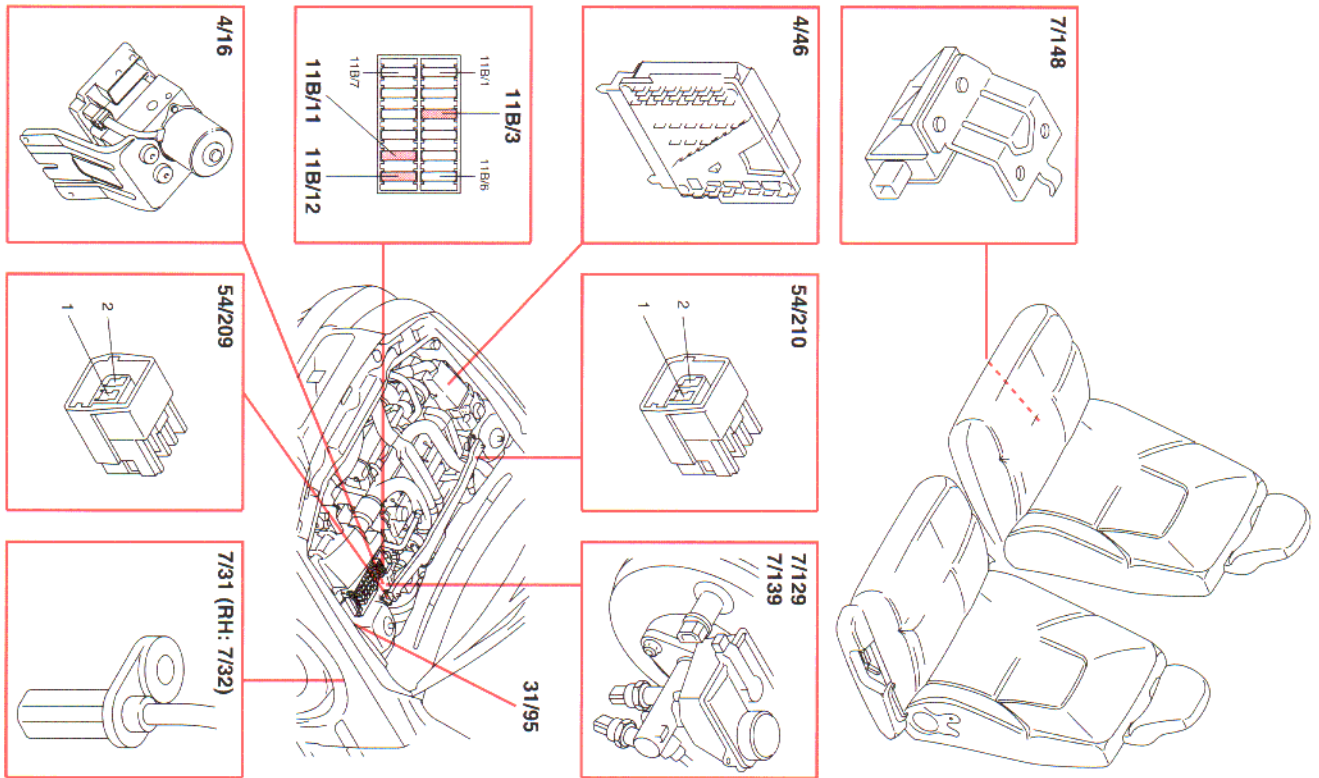
Automatic transmission
4T65EV

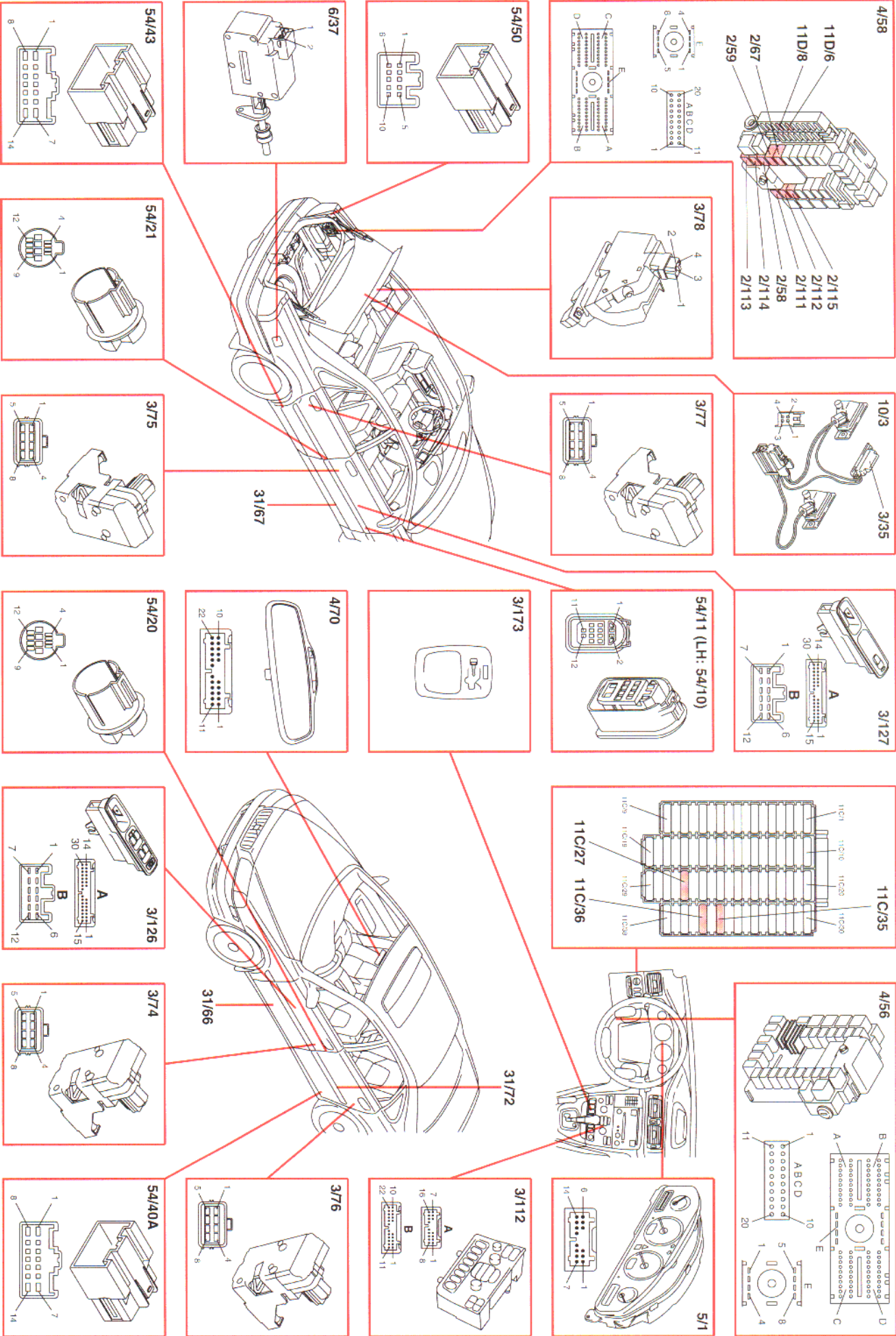


ABS brake system and STC

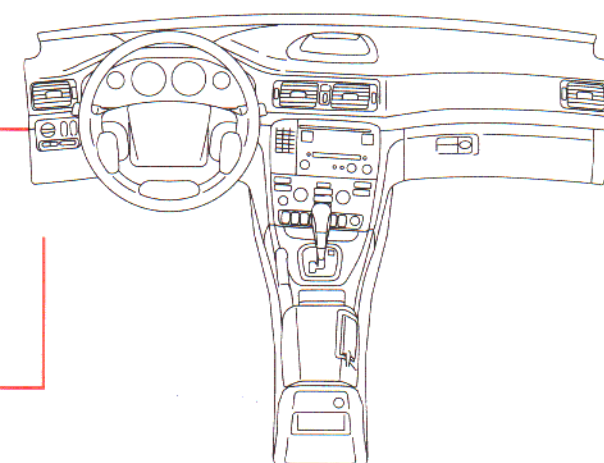
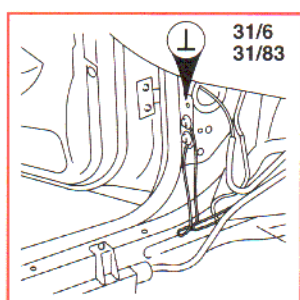
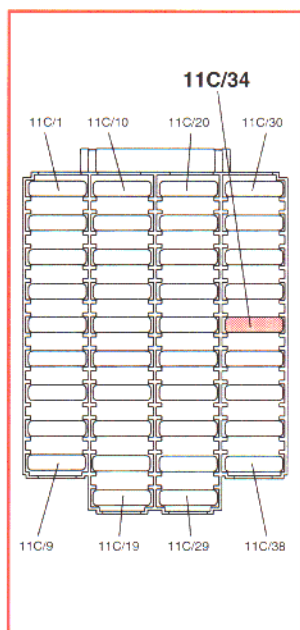
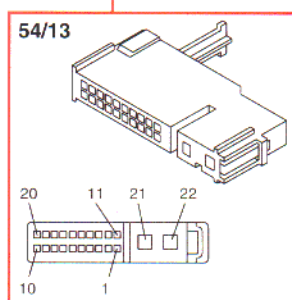
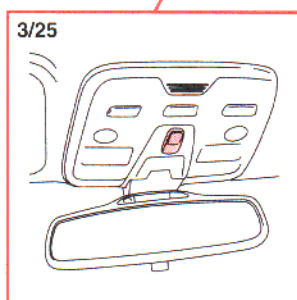
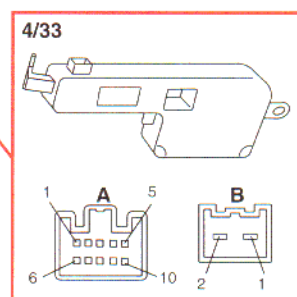
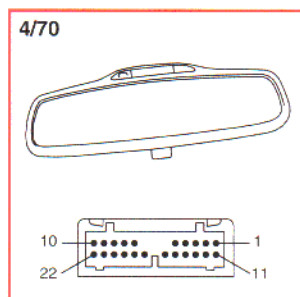
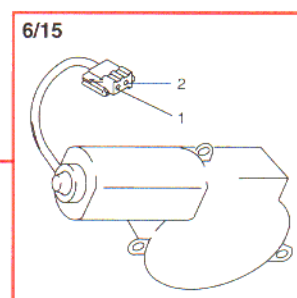
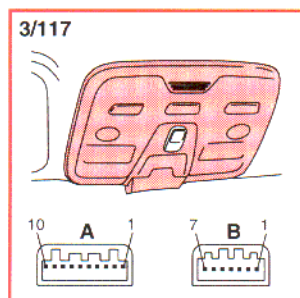


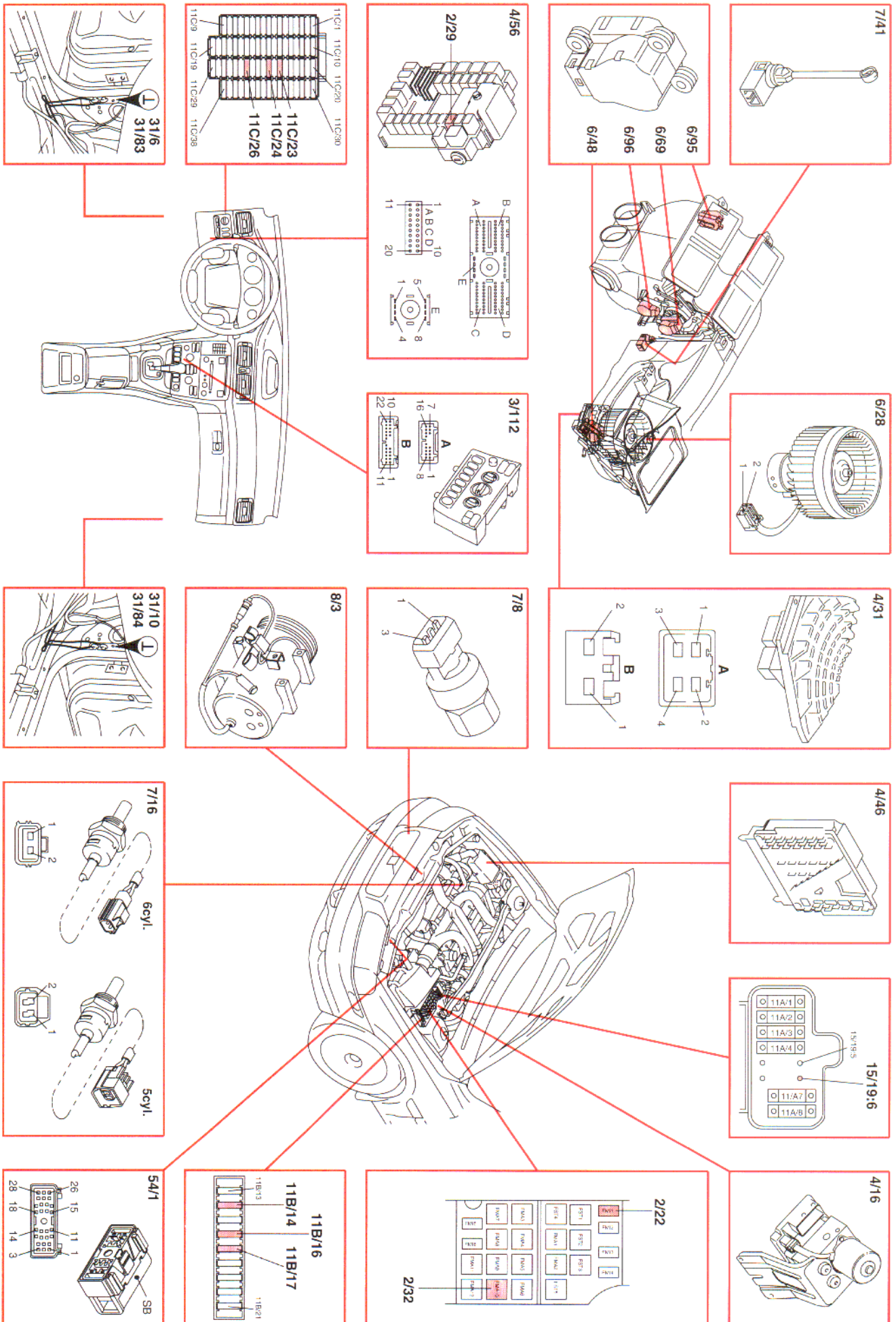
ABS brake system with DSTC



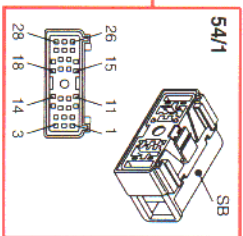
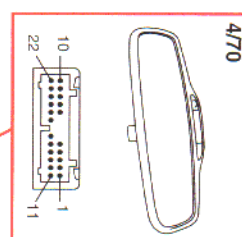
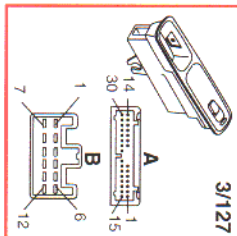
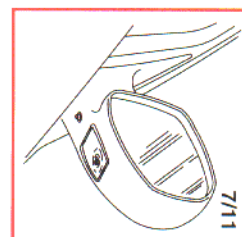
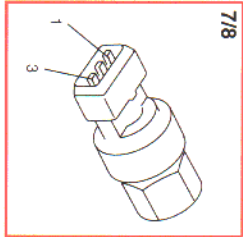
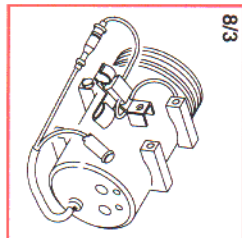
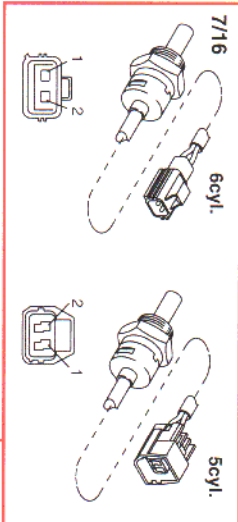
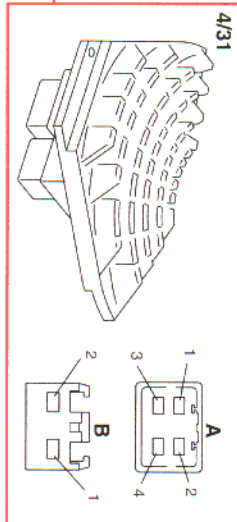
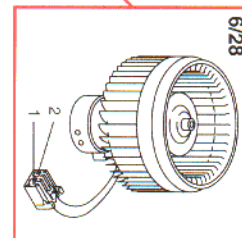
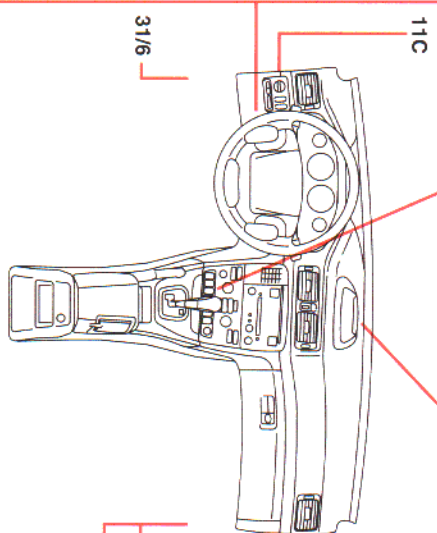
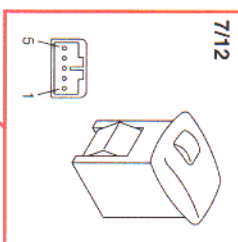
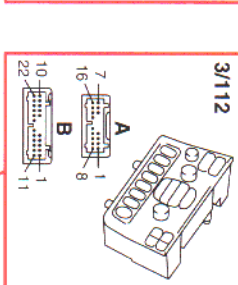
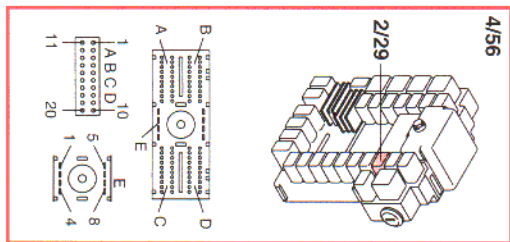
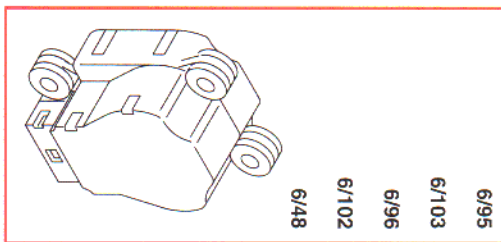
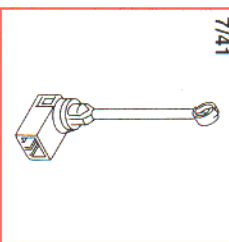


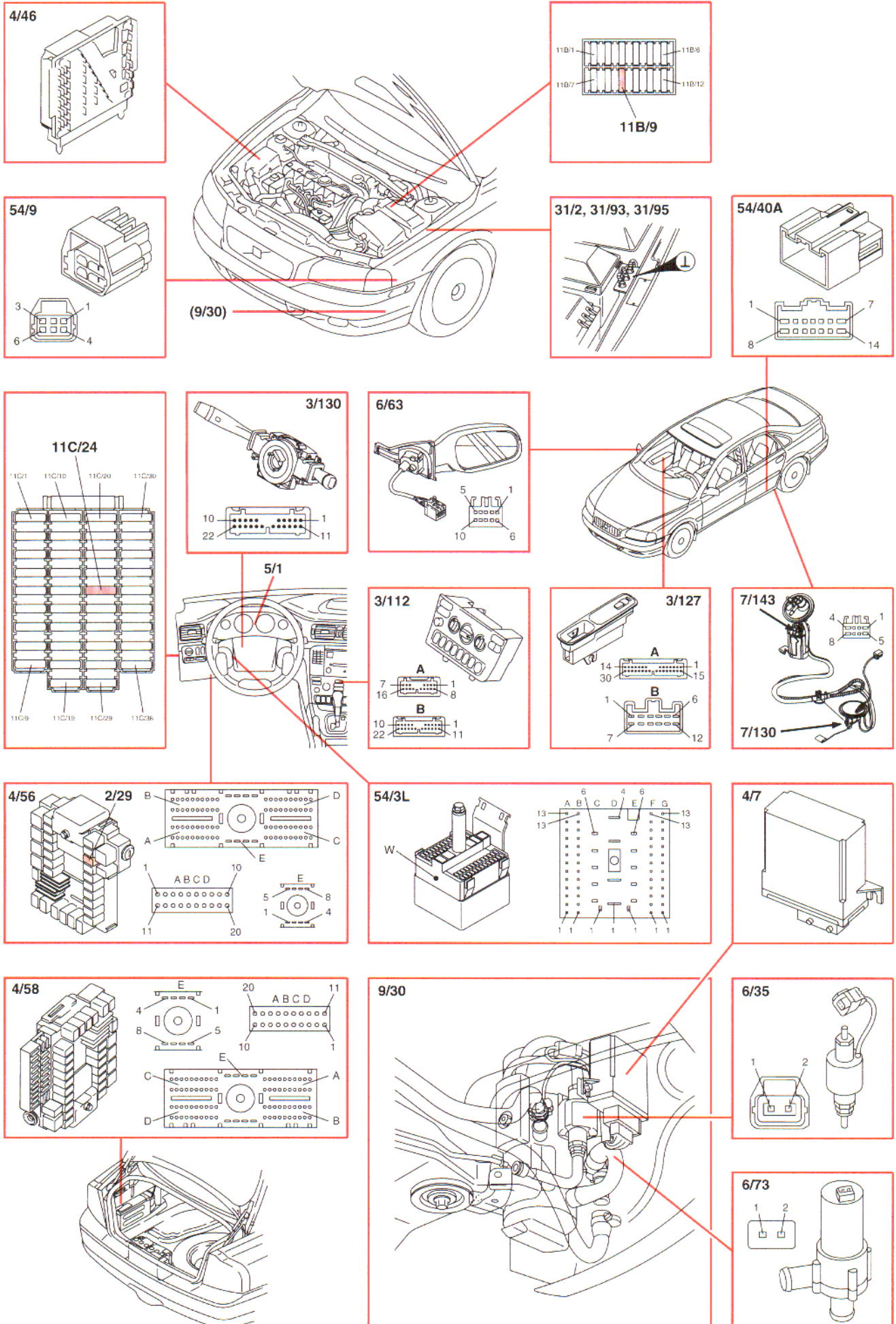
Power sunroof



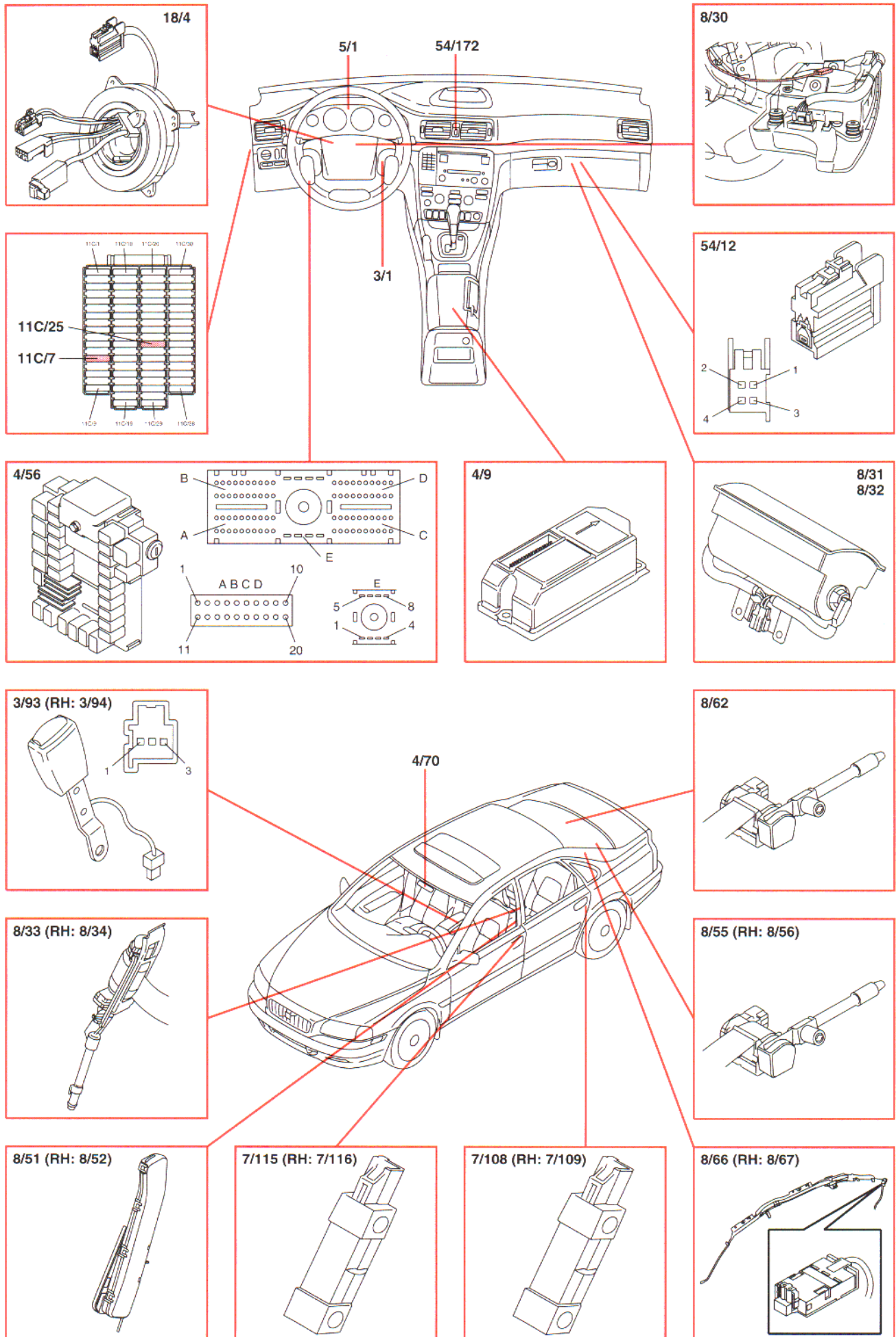


Electronic climate control ECC





SRS Supplemental Restraint System



Remote controlled garage door opener

