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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.

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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
Supercedes 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

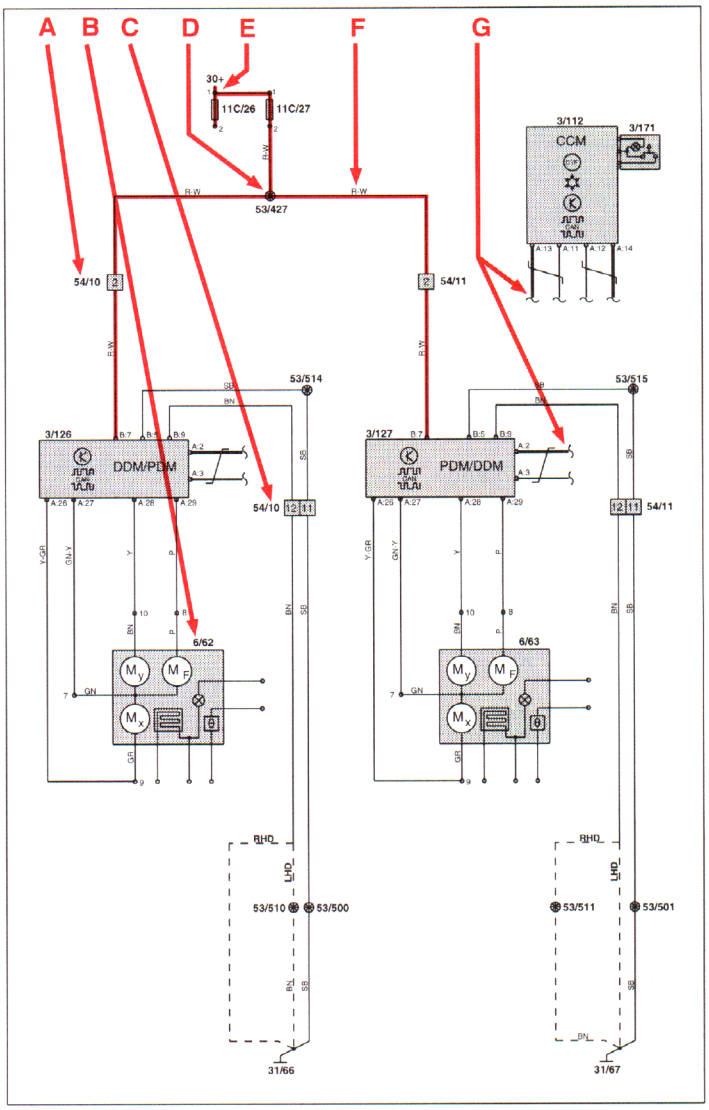
The first part of the component designation indicates which type of component it is, for example switch, electric motor, etc.

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

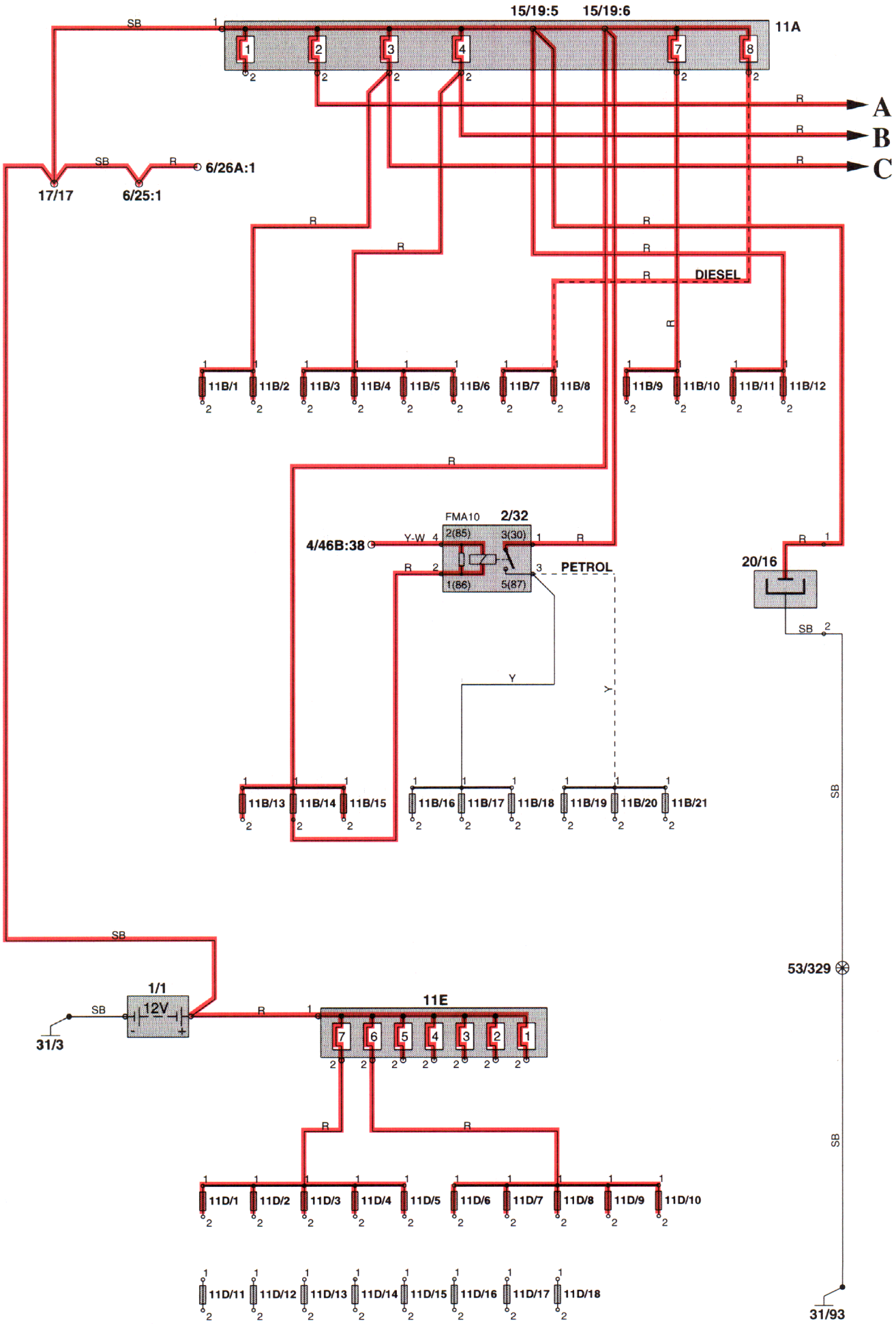
RH = Right-hand side
RHD = Right hand drive

TURBO = Turbocharged engines

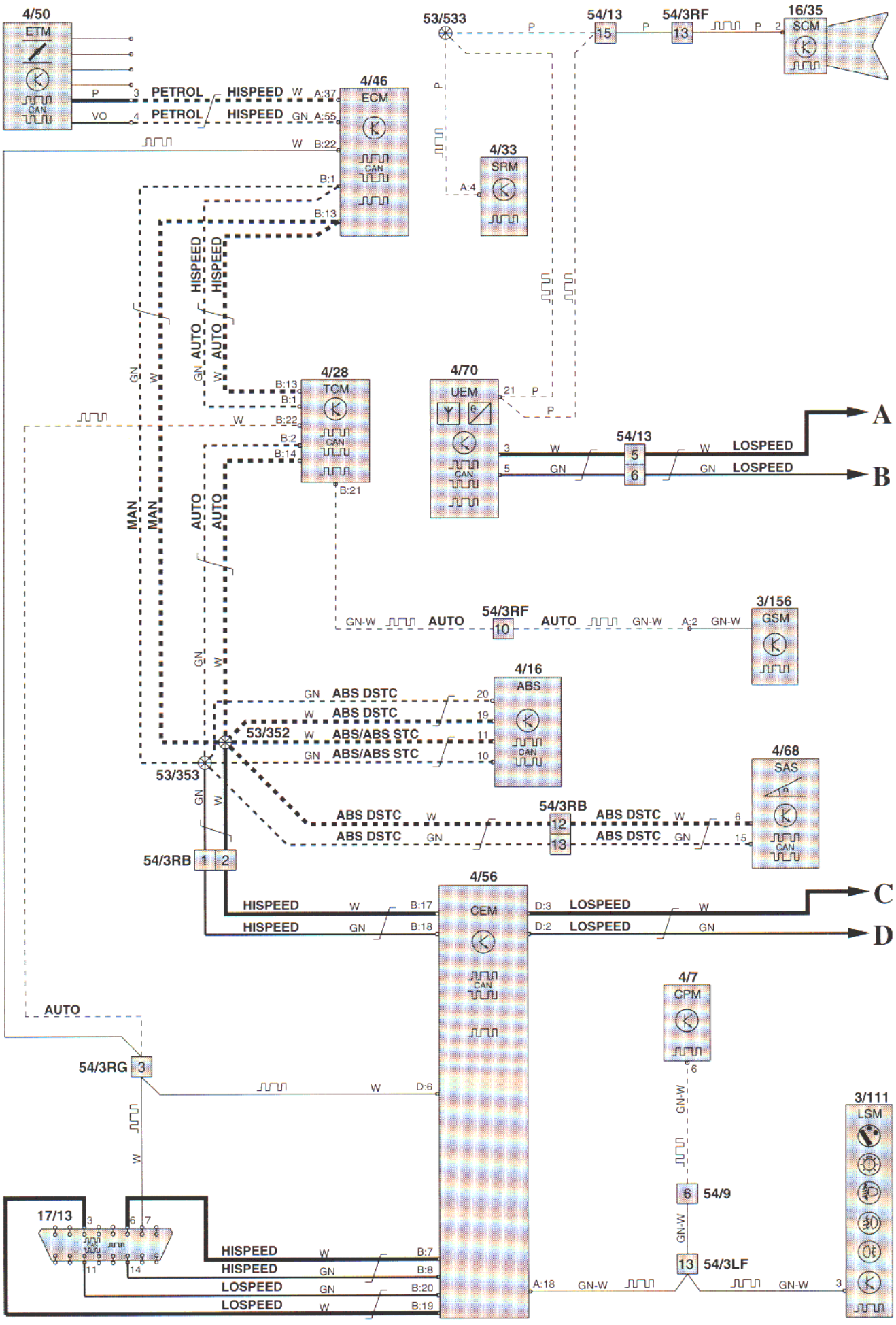
W/O = Without

5CYL = 5-cylinder engines
6CYL = 6 cylinder engines

Electrical distribution

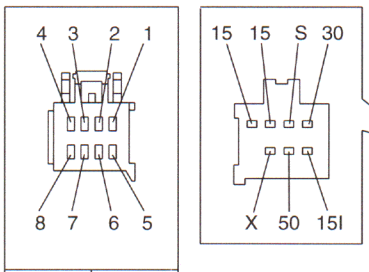


Data communication

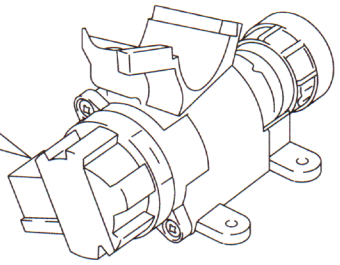


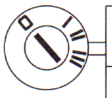
Ignition switch

3/1



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

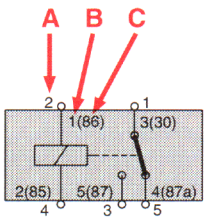




Position	Terminal						
	30	15	15	X	15I	S	50
Key Out	X						
0	X					X	
I	X			X		X	
II	X	X	X	X	X	X	
III	X	X	X			X	X

Relays general

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

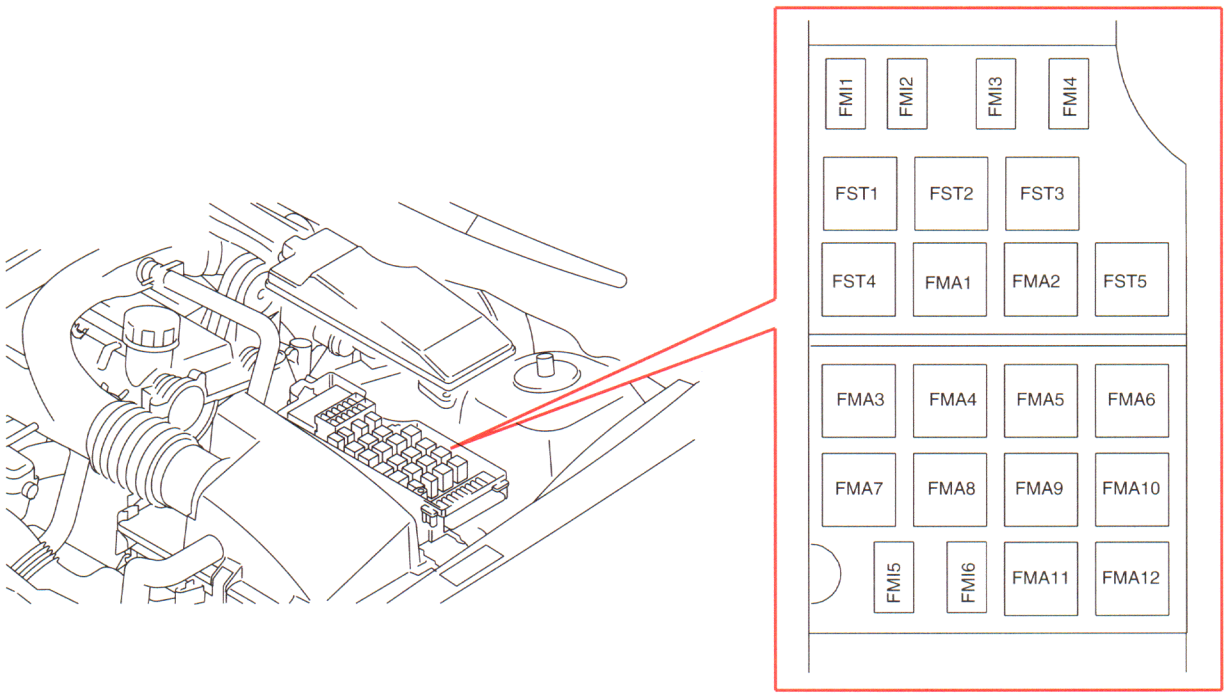


A= Corresponds to the position on the reverse of the relay box (cable side).

B= Corresponds to the position on the relay.

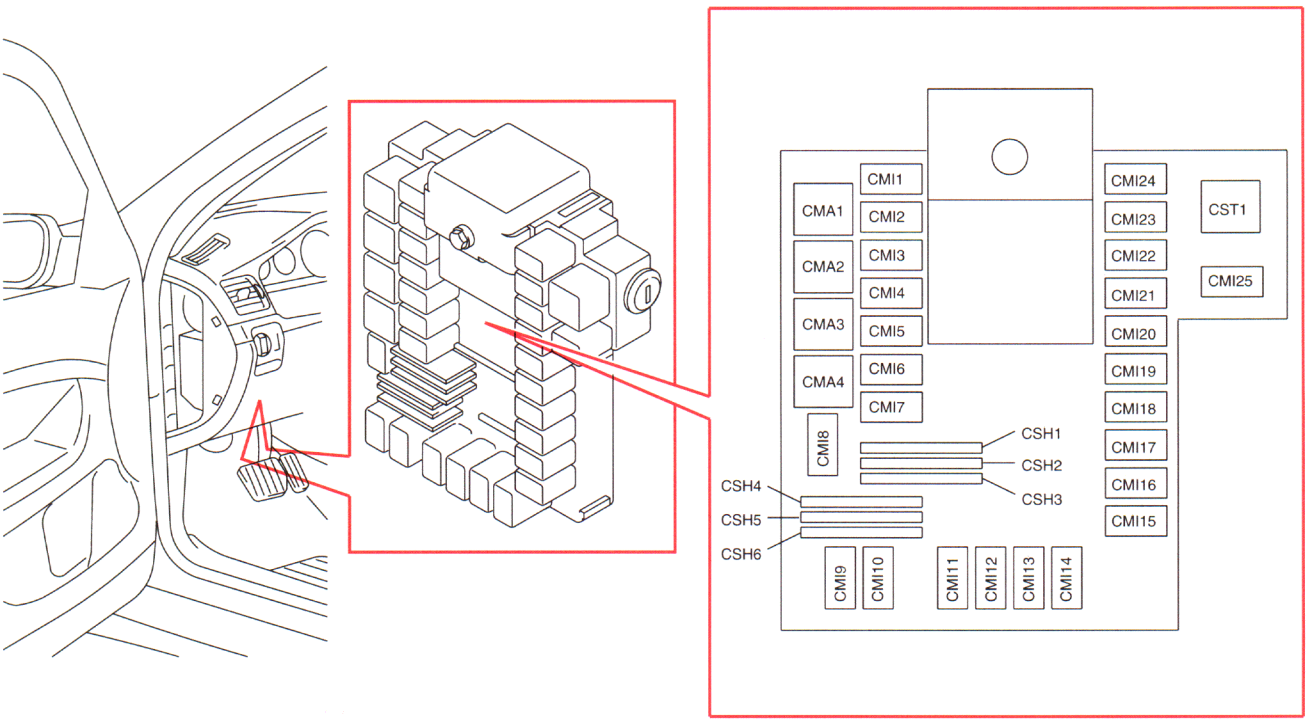
C= Is an old designation that may occur on the relay.

Relays in engine compartment



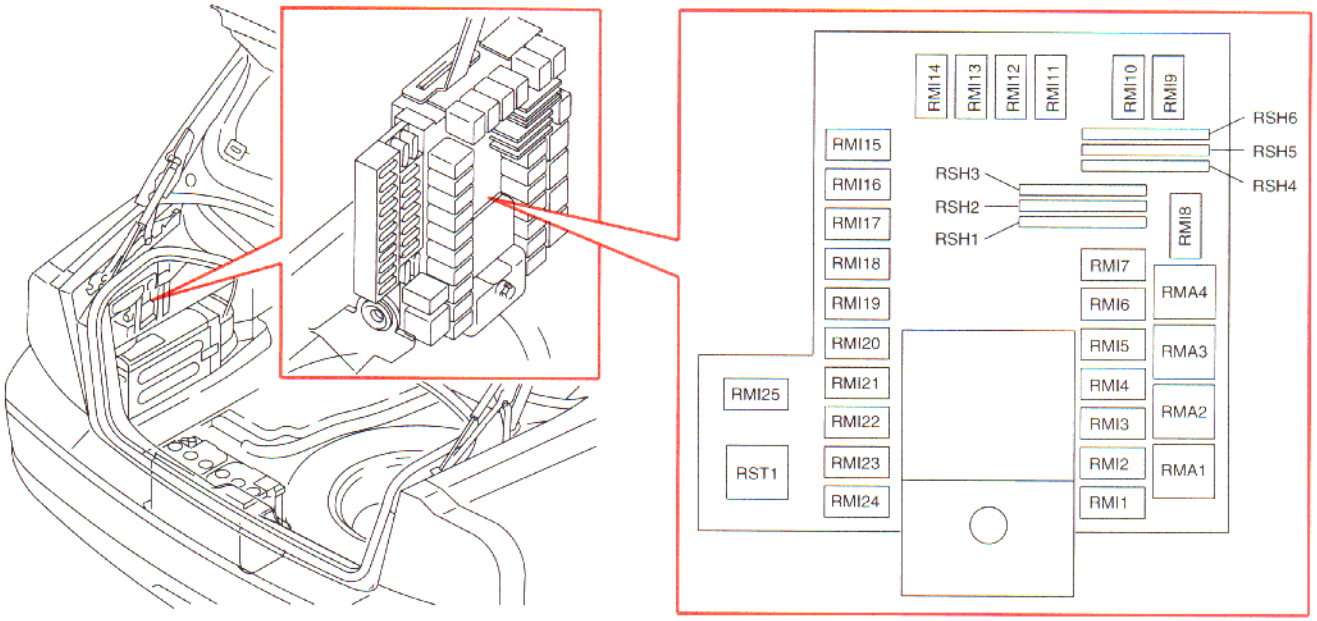
Location	Relay function
FMA1	Coolant heating plug relay 1 (2/74)
FMA2	Coolant heating plug relay 2 (2/109)
FMA3-6	-
FMA7	Glow plug relay (2/14)
FMA8-9	-
FMA10	Main relay engine management system (2/32)
FMA11	-
FMA12	Relay starter motor (2/35)
FMI1	Relay A/C (2/22)
FMI2-3	-
FMI4	Relay horn (2/17)
FMI5-6	-
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



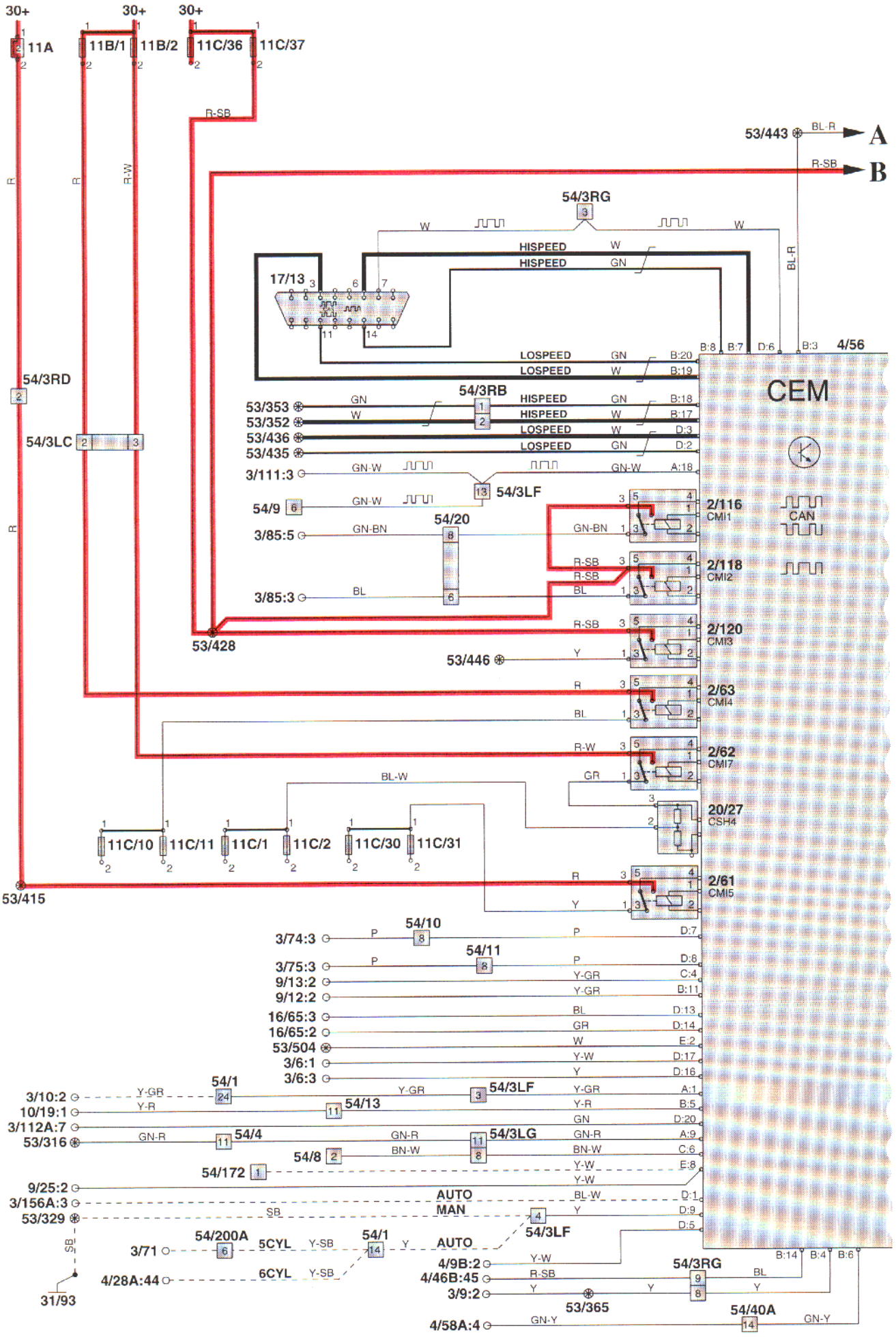
Location	Relay function
CMA1	-
CMA2	Overload relay X-supply (2/30)
CMA3	Overload relay 15-supply (2/31)
CMA4	-
CMI1	Relay power window up left rear (2/116)
CMI2	Power window down relay left rear (2/118)
CMI3	Power window child safety block relay rear doors (2/120)
CMI4	High beam relay (2/63)
CMI5	Parking 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

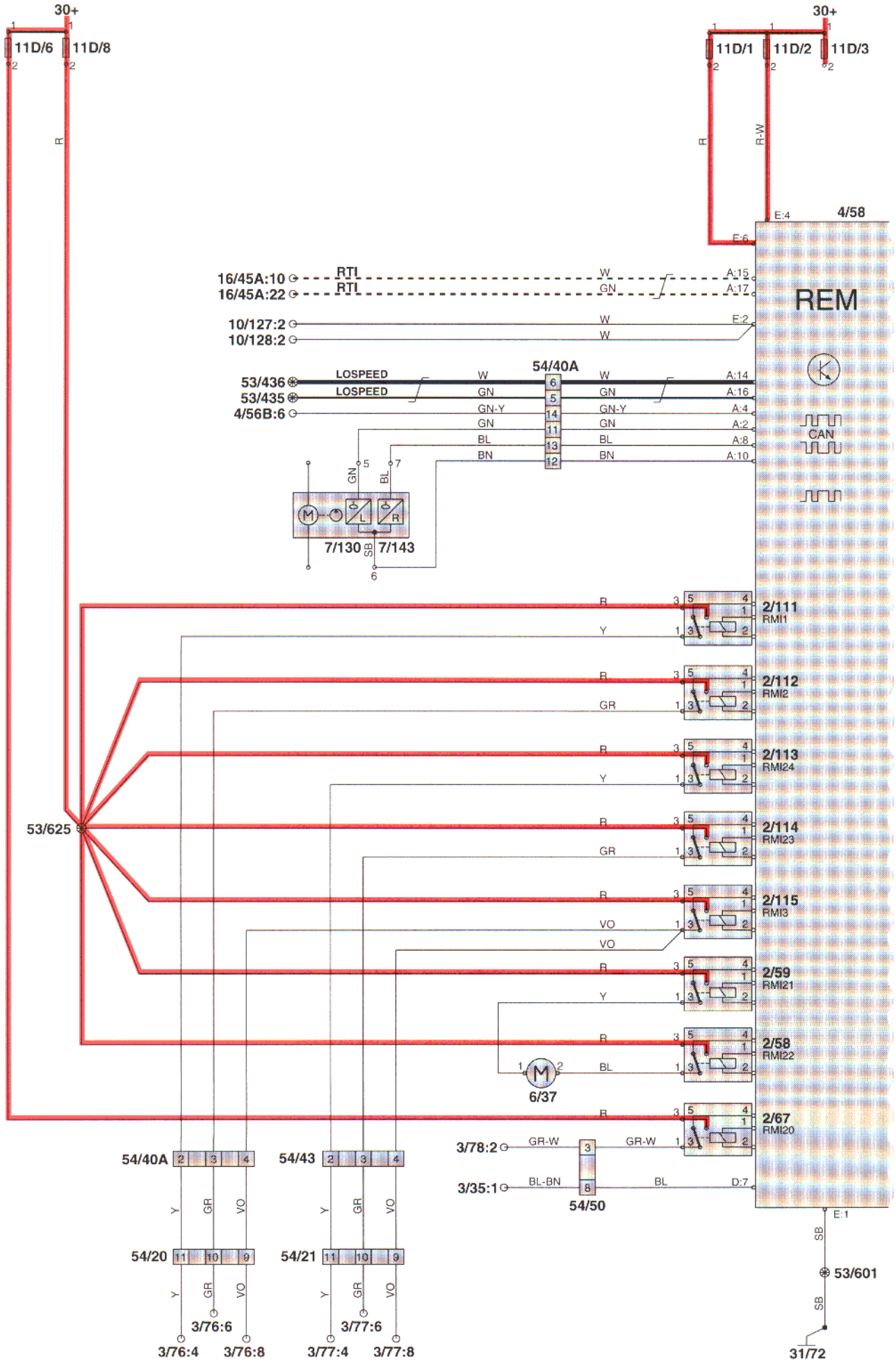


Location	Relay function
RMA1	15I-supply relay rear (2/52)
RMA2	-
RMA3	Rear windshield demist relay (2/82)
RMA4	-
RMI1	Central locking relay locking left rear (2/111)
RMI2	Central locking relay unlocking left rear (2/112)
RMI3	Central locking relay deadlock rear doors (2/115)
RMI4	Back-up (reversing) 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	-

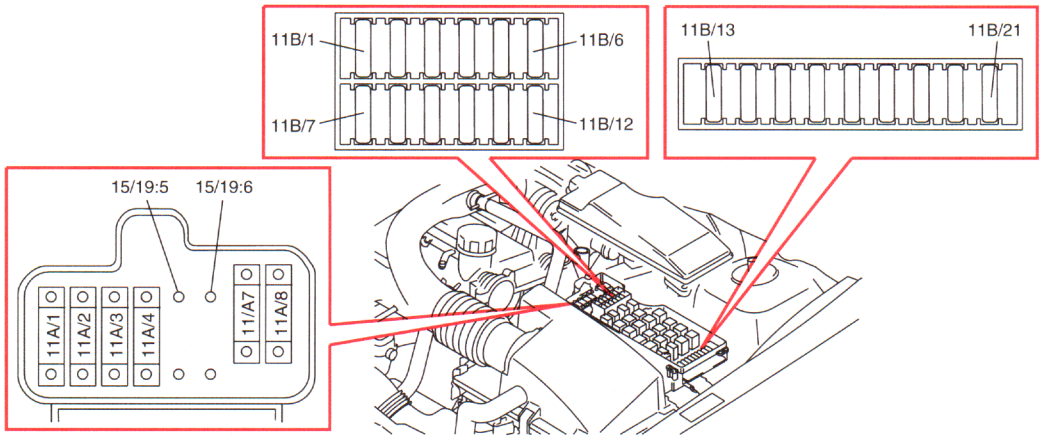
Electronic connection
Central electronic module (CEM)



Electronic connection
Rear electronic module (REM)



Fuses in engine compartment



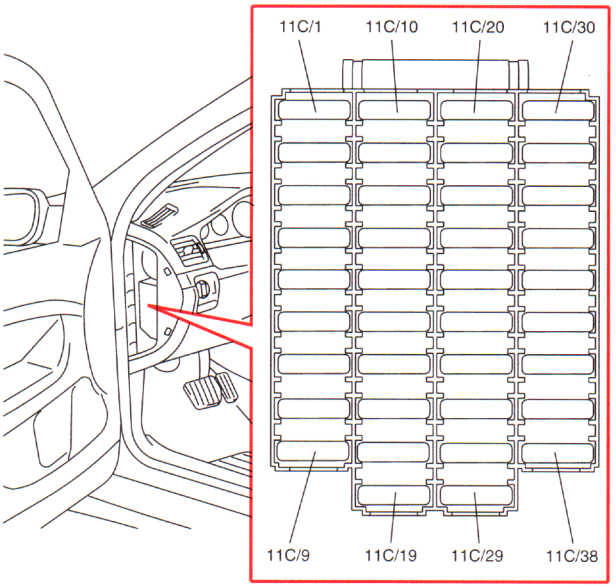
Main fuses, 11A, in the integrated relay/fusebox

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

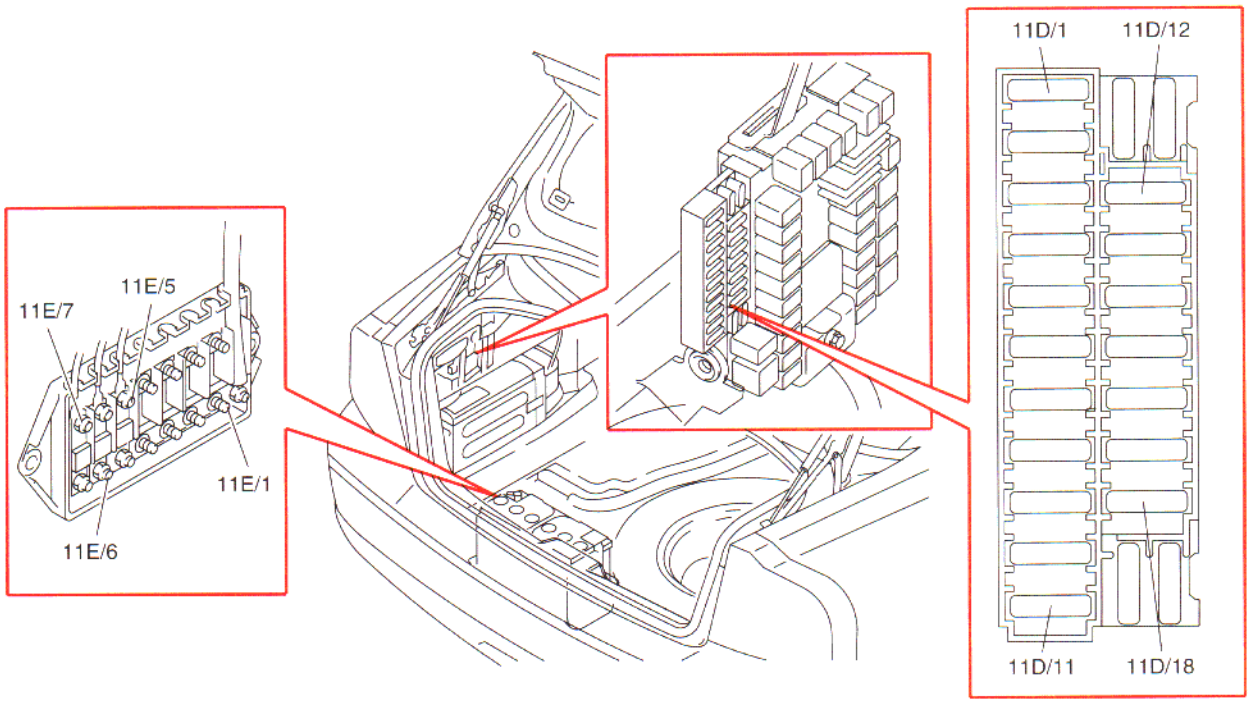
Fuses in the passenger compartement



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

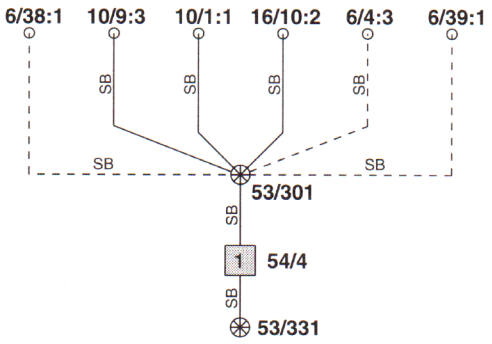
No.	Fuse function	A
1	Rear electronic module (REM), Via rear electronic module (REM): Cargo compartment lighting	10
2	Via Rear electronic module (REM): Fog tail lamp	10
3	Stop (brake) lamp	15
4	Back-up (reversing) lamp	10
5	-	
6	Trunk lid opening	10
7	Fold down head restraint	10
8	Central locking rear 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

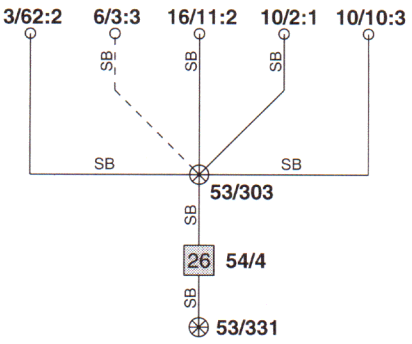
For the location of the junction points refer to the section "Routing of cable harnesses in the car", pages 48 -59.

53/301 (Cable harness front)
53/303 (Cable harness front)
53/307 (Cable harness engine compartment)
53/310 (Cable harness soft front)

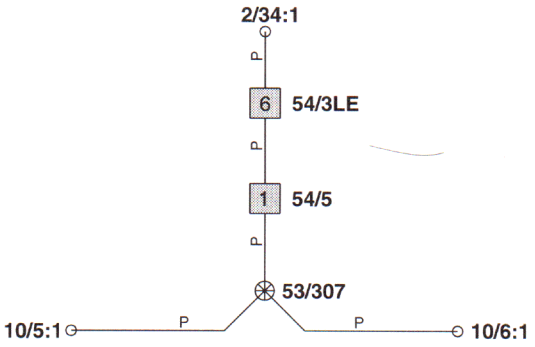
53/301



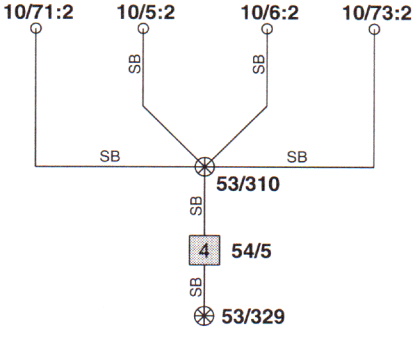
53/303



53/307

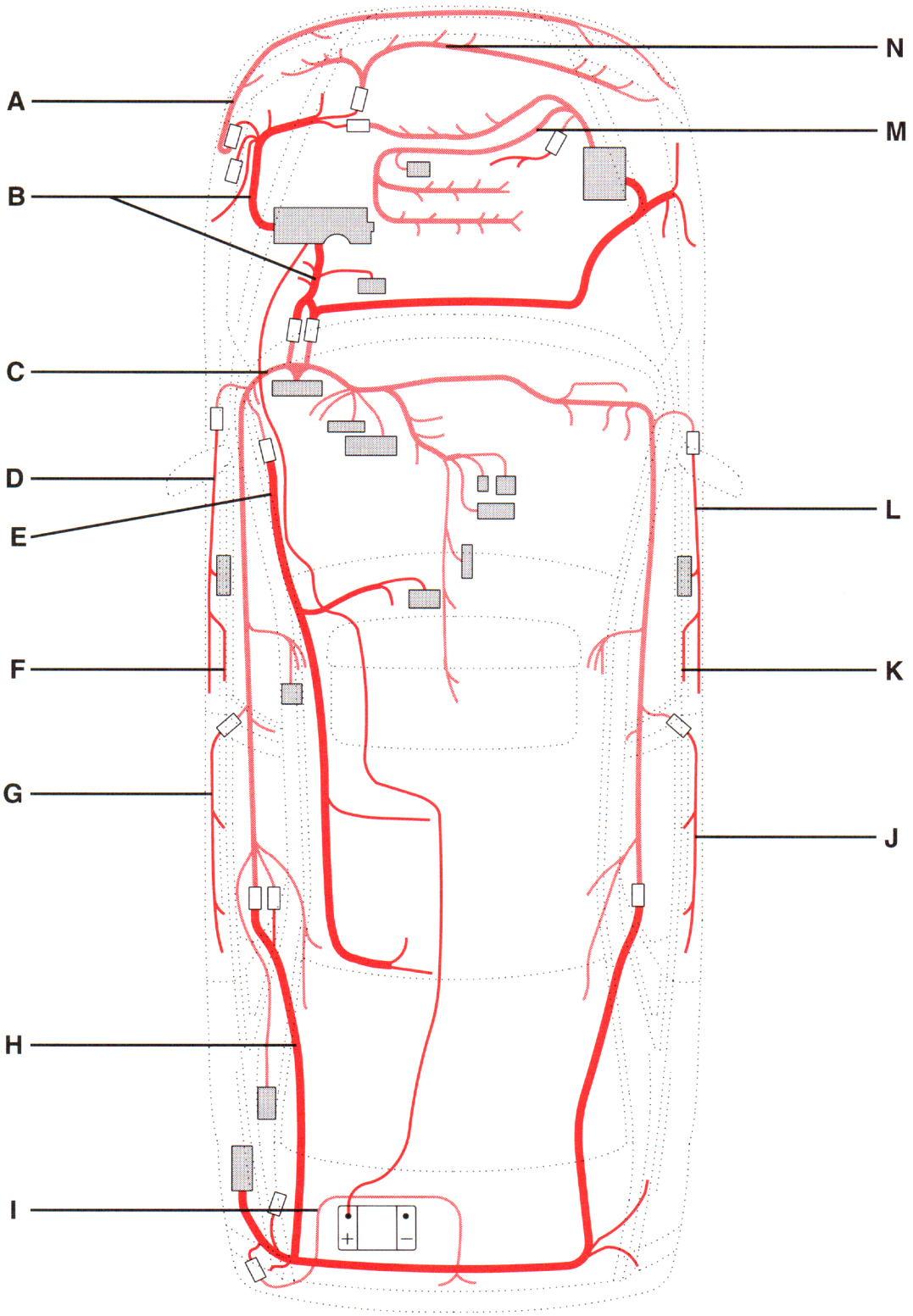


53/310

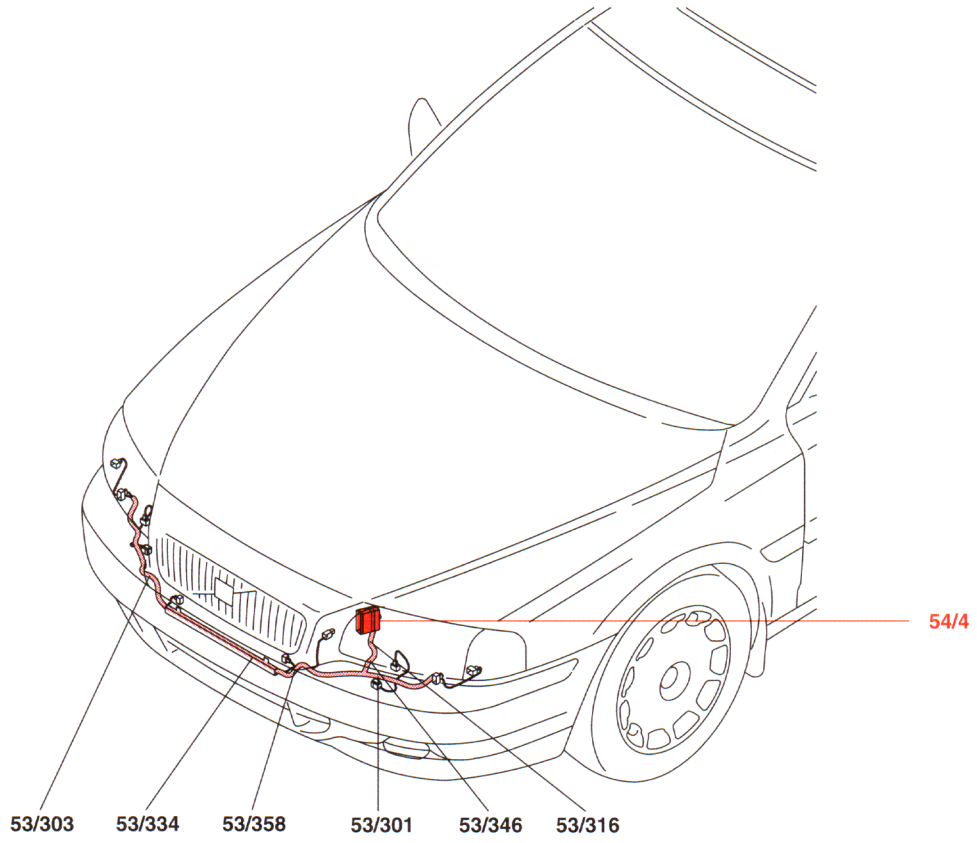


Cable harnesses overview

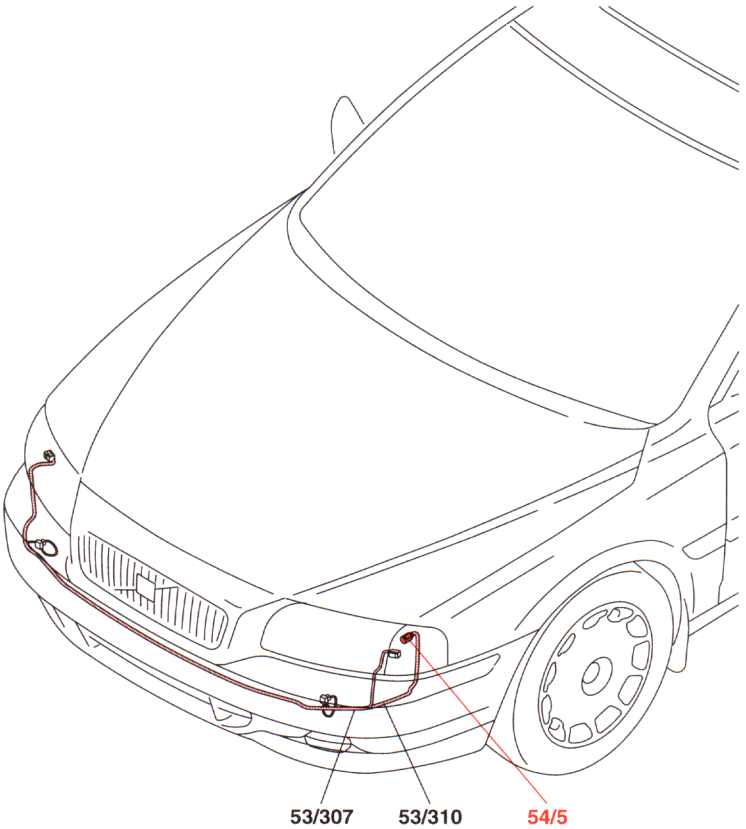
A	Soft front cable harness
B	Engine compartment cable harness
C	Passenger compartment cable harness
D	Left front door cable harness
E	Roof cable harness
F	Left door panel cable harness
G	Left rear door cable harness
H	Cargo compartment cable harness
I	Trunk lid cable harness
J	Right rear door cable harness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



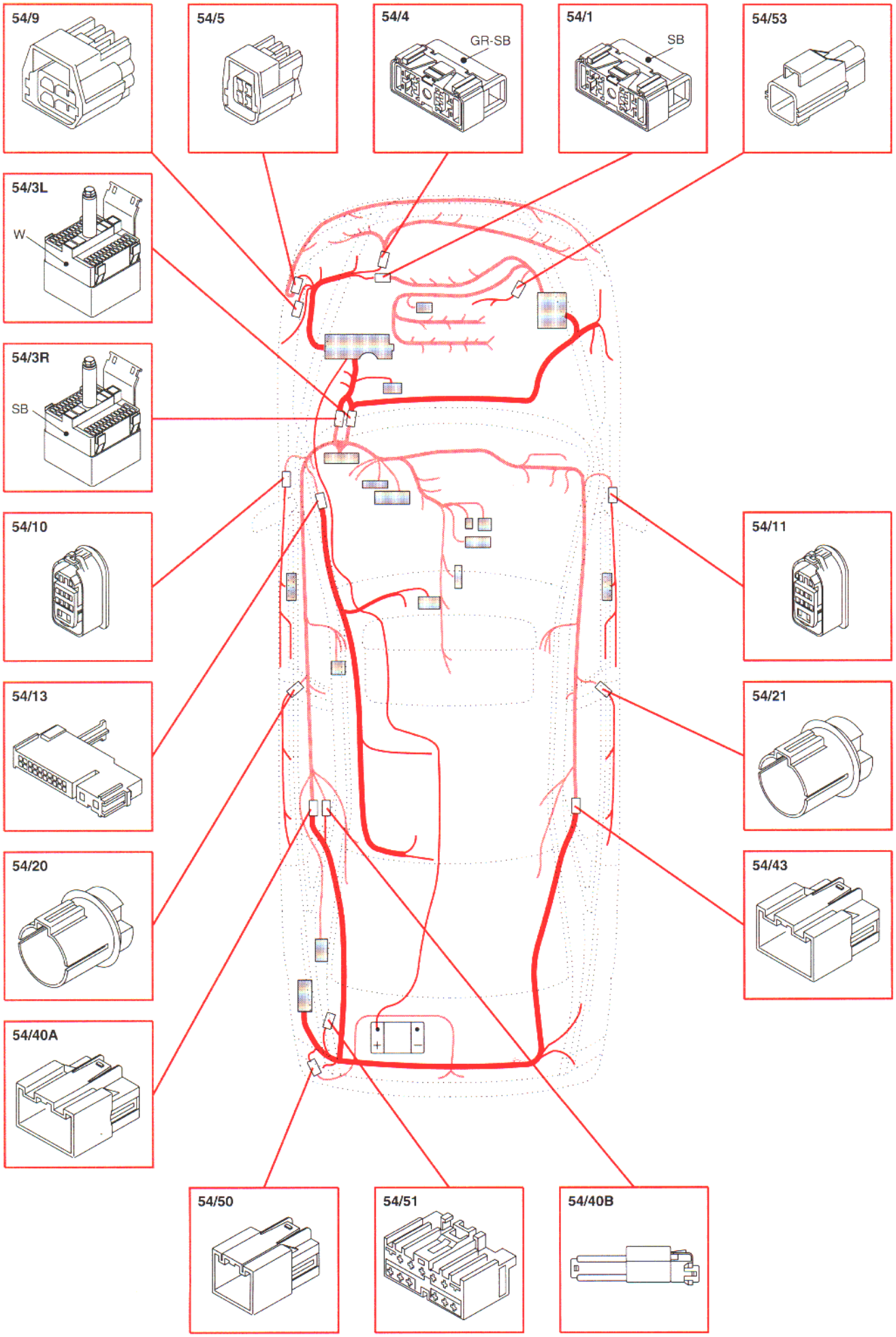
Front cable harness

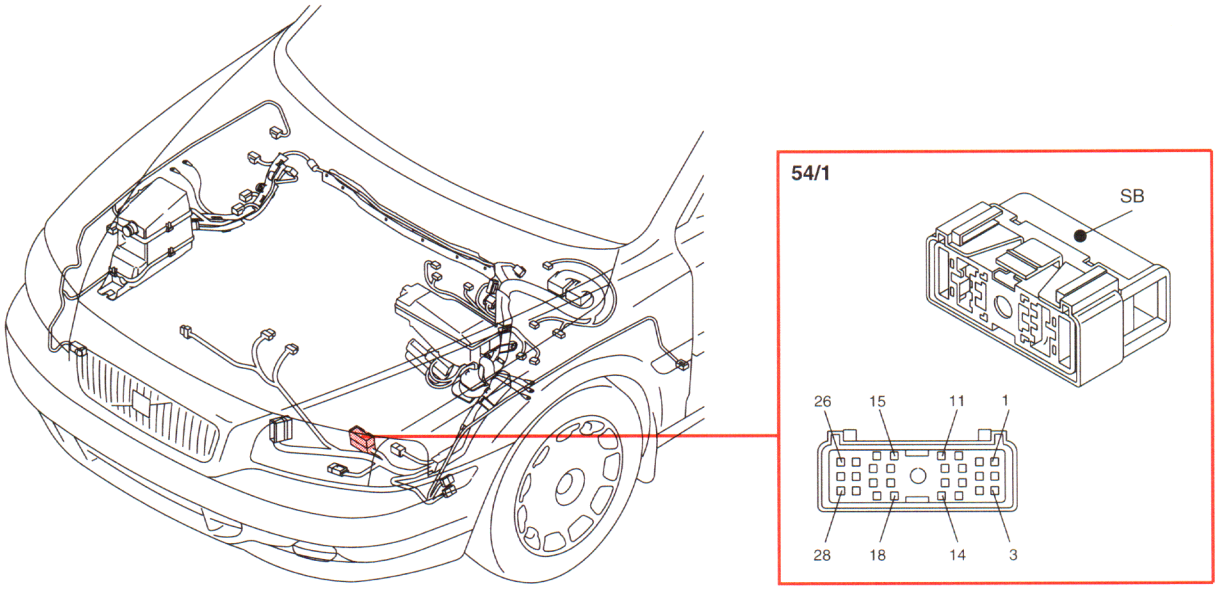


Soft front cable harness



Connectors - overview

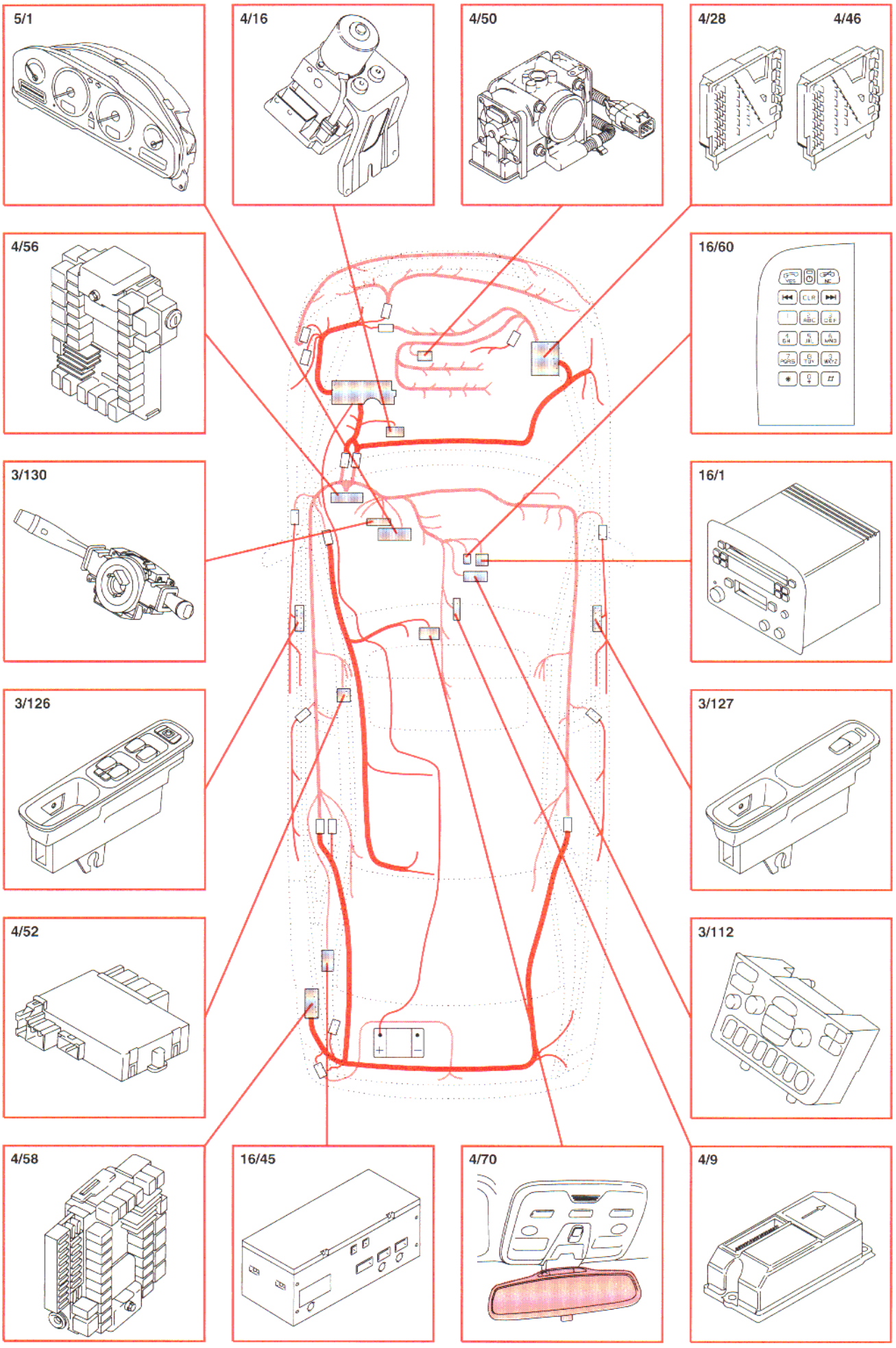




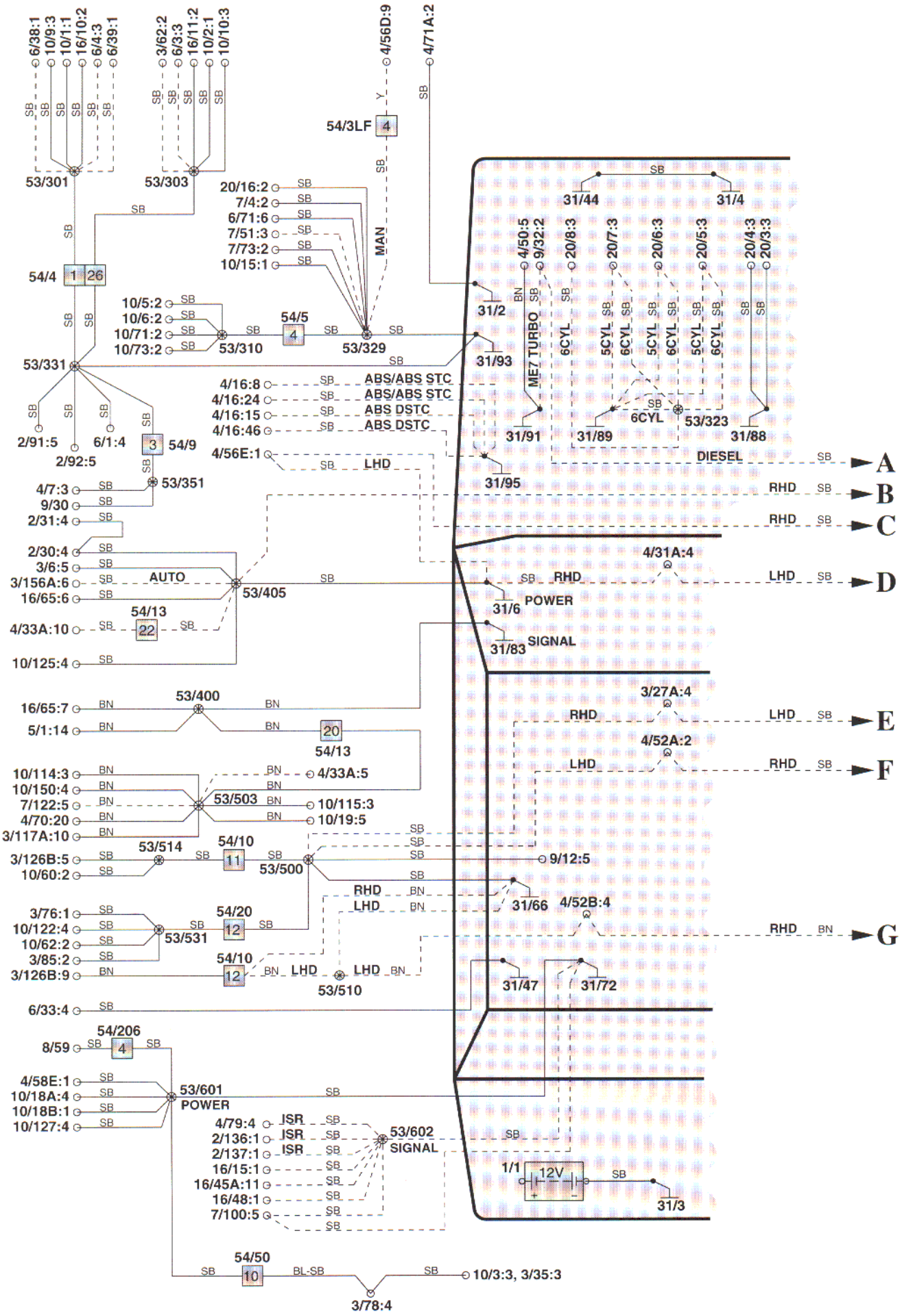
54/1 Black 28-pin connector
Engine compartment cable harness - engine cable harness

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

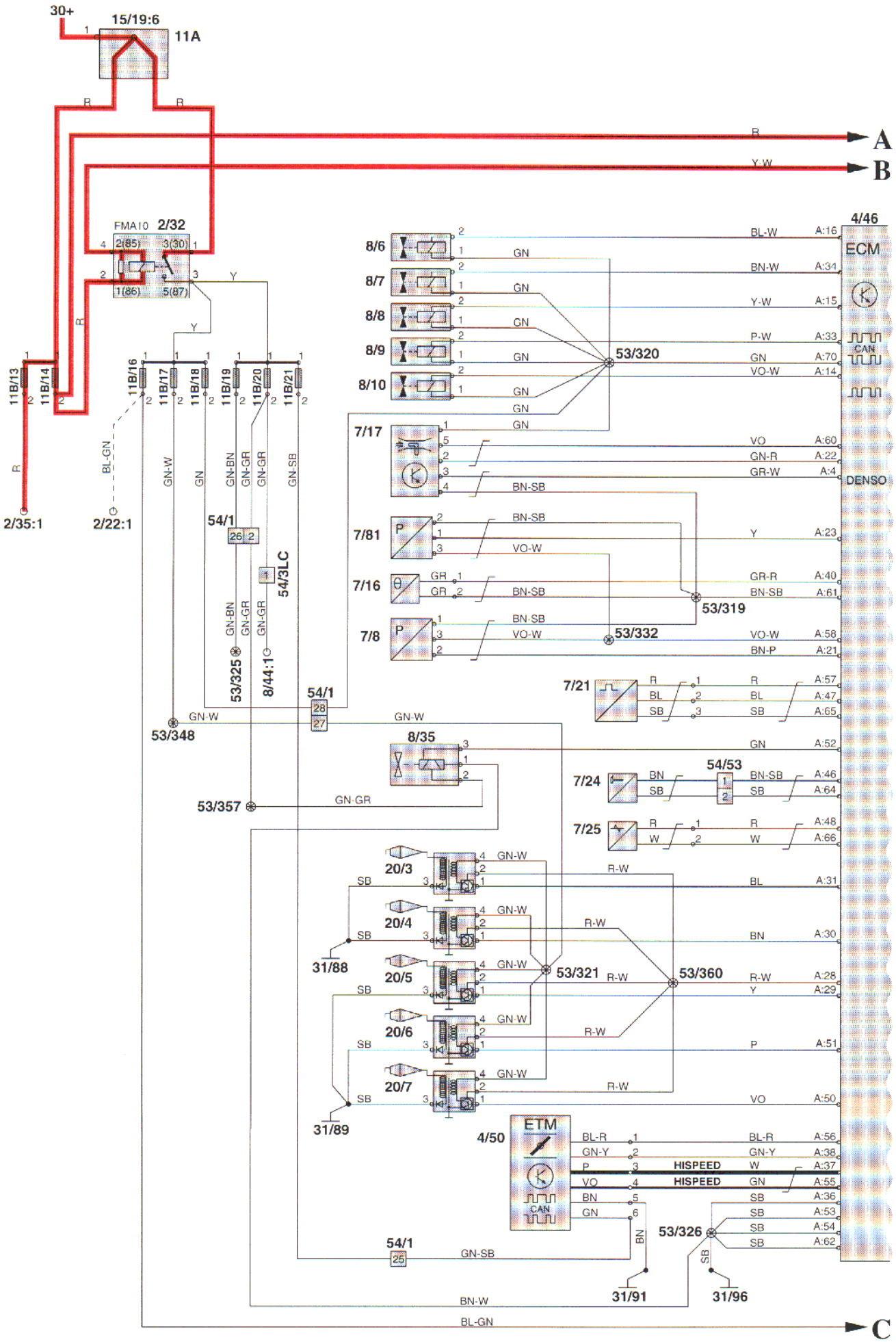
Control modules overview



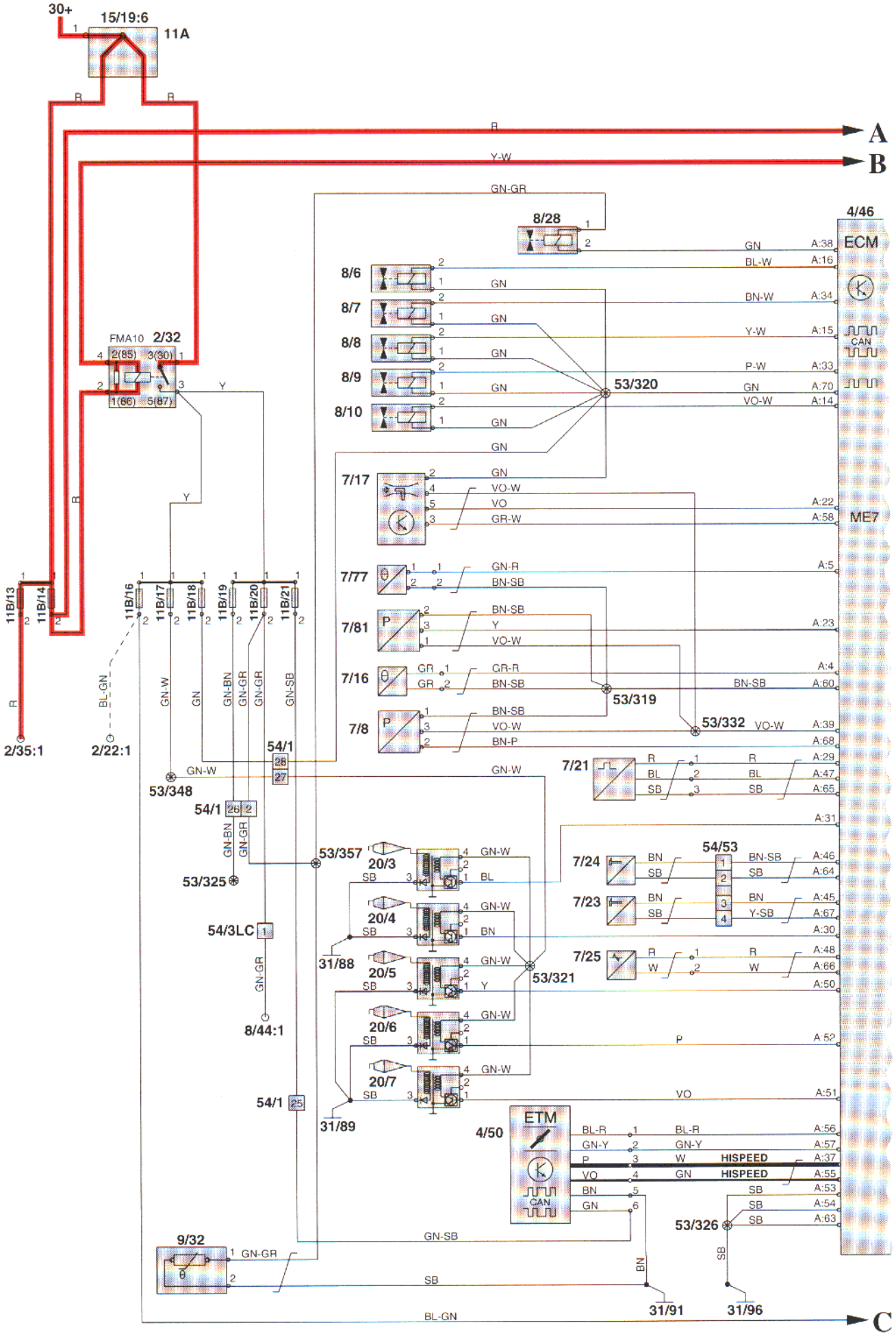
Ground terminals



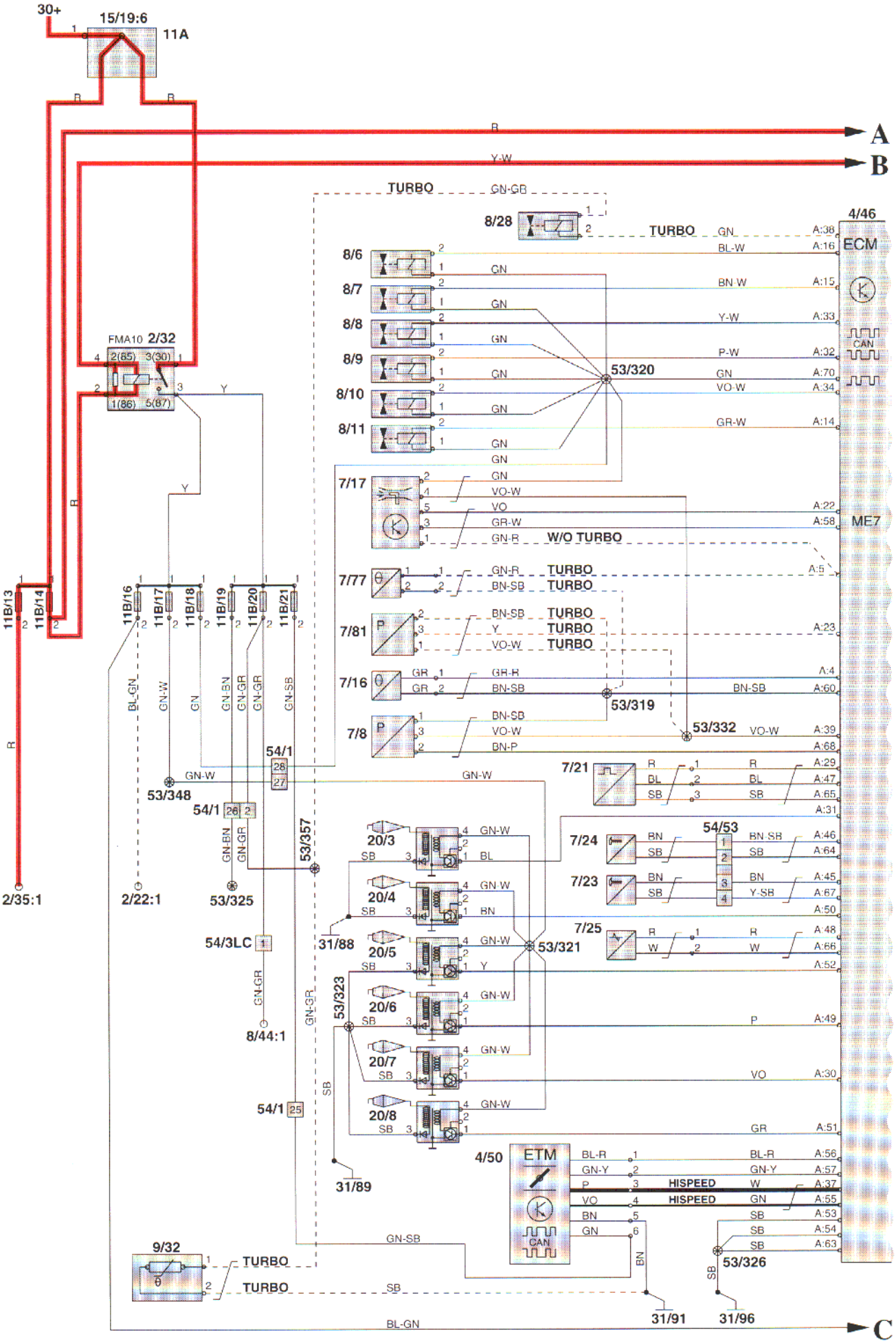
Engine management system
Denso



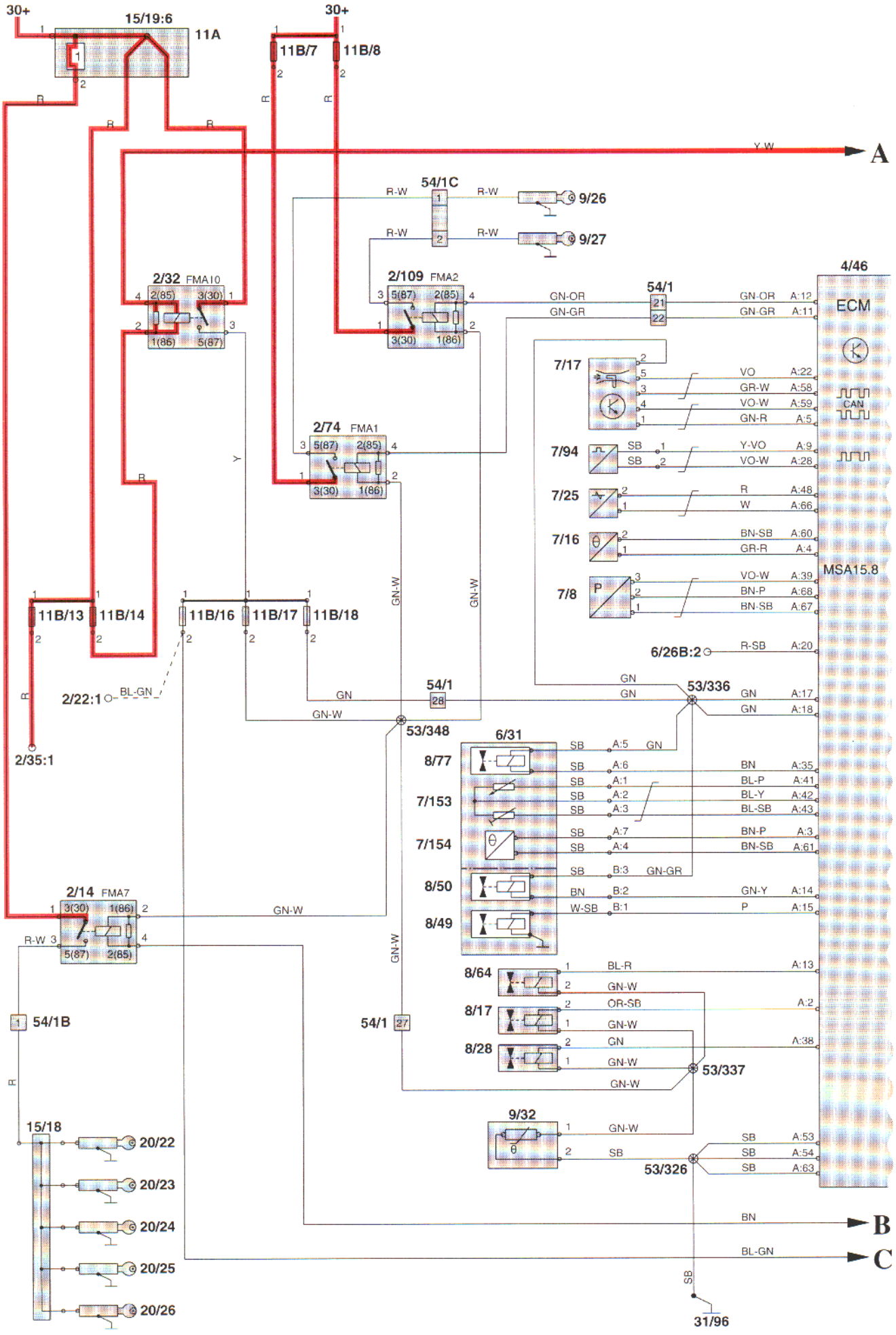
Engine management system
ME7, 5 cylinder engines



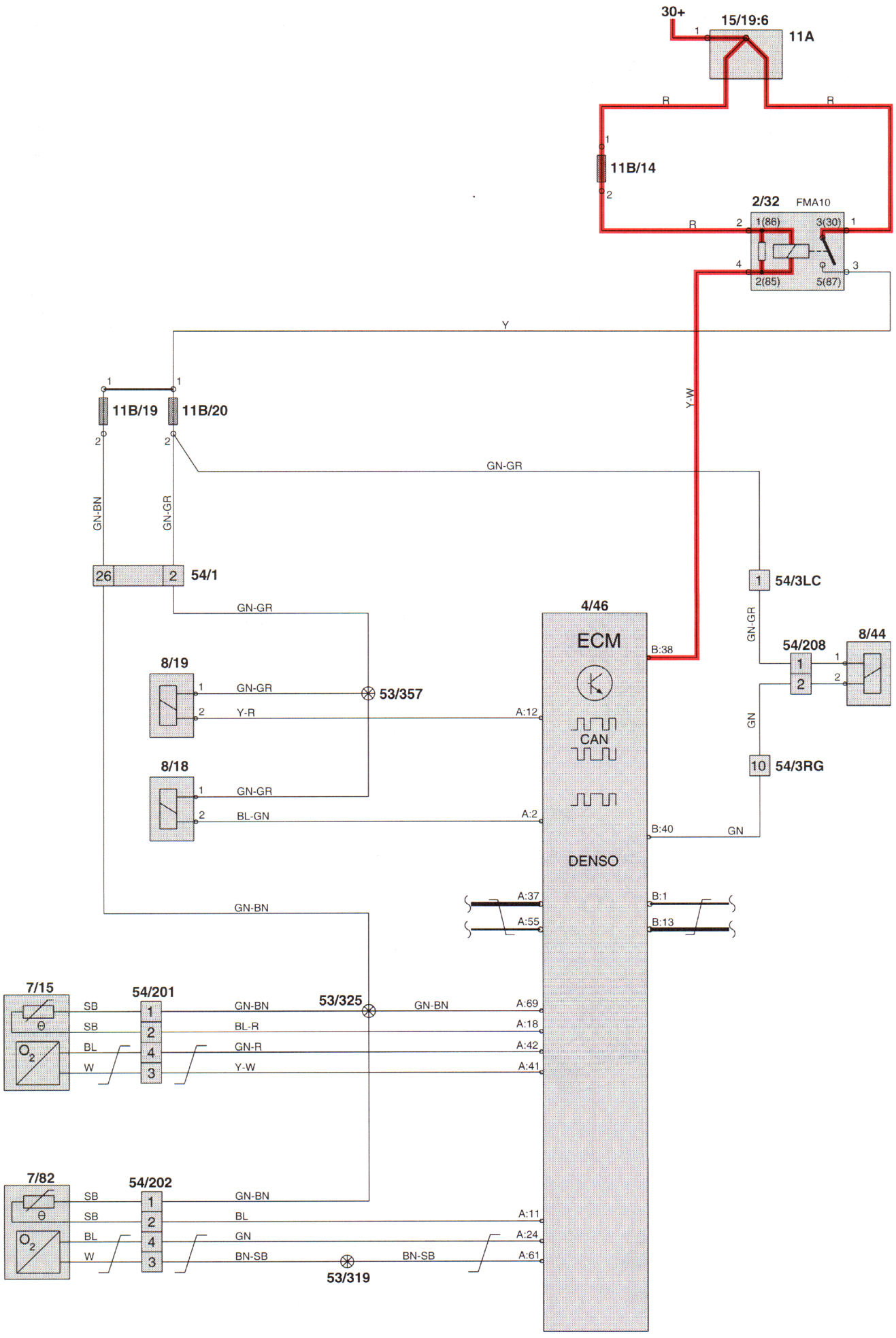
Engine management system
ME7, 6 cylinder engines



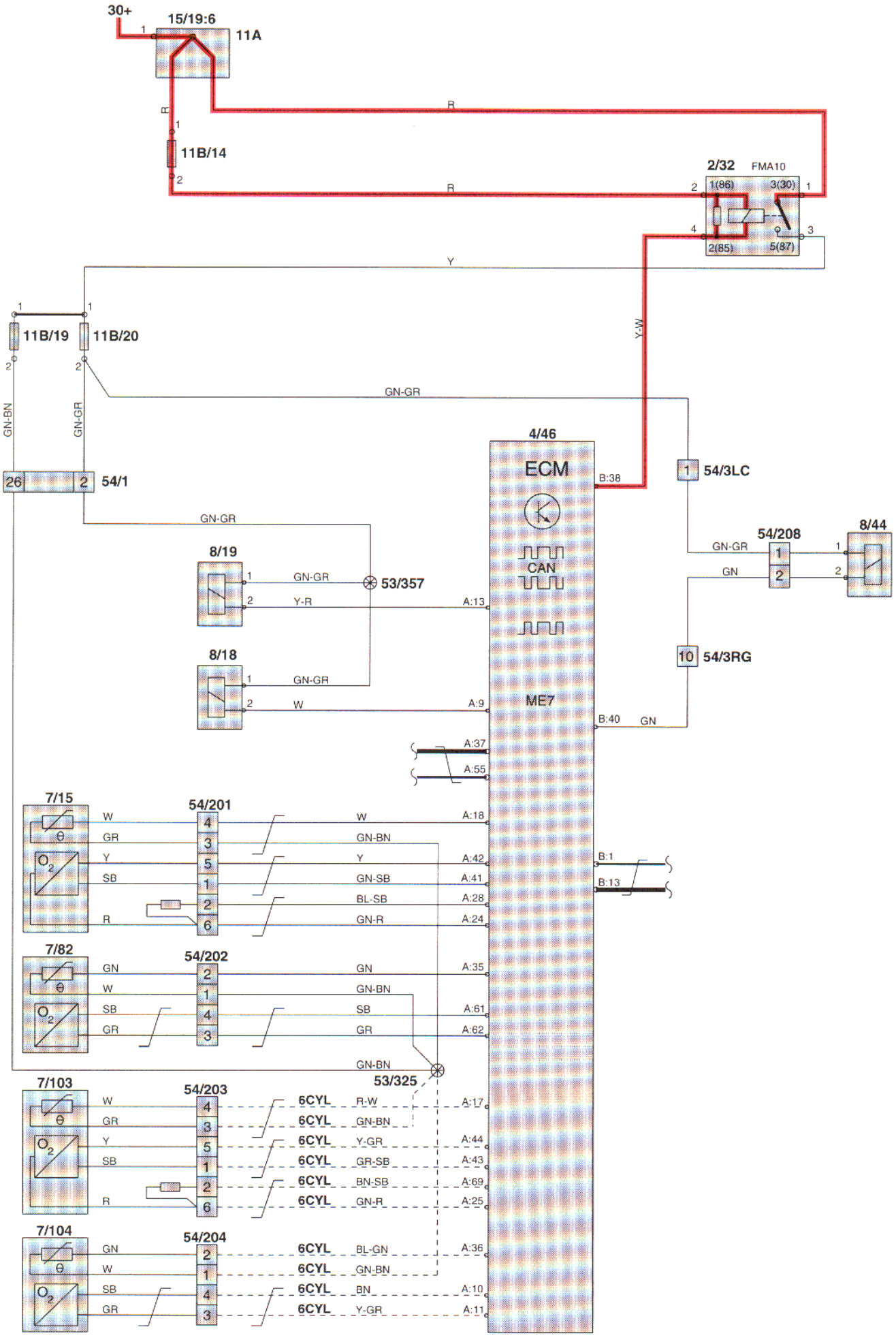
Engine management system
MSA 15.8



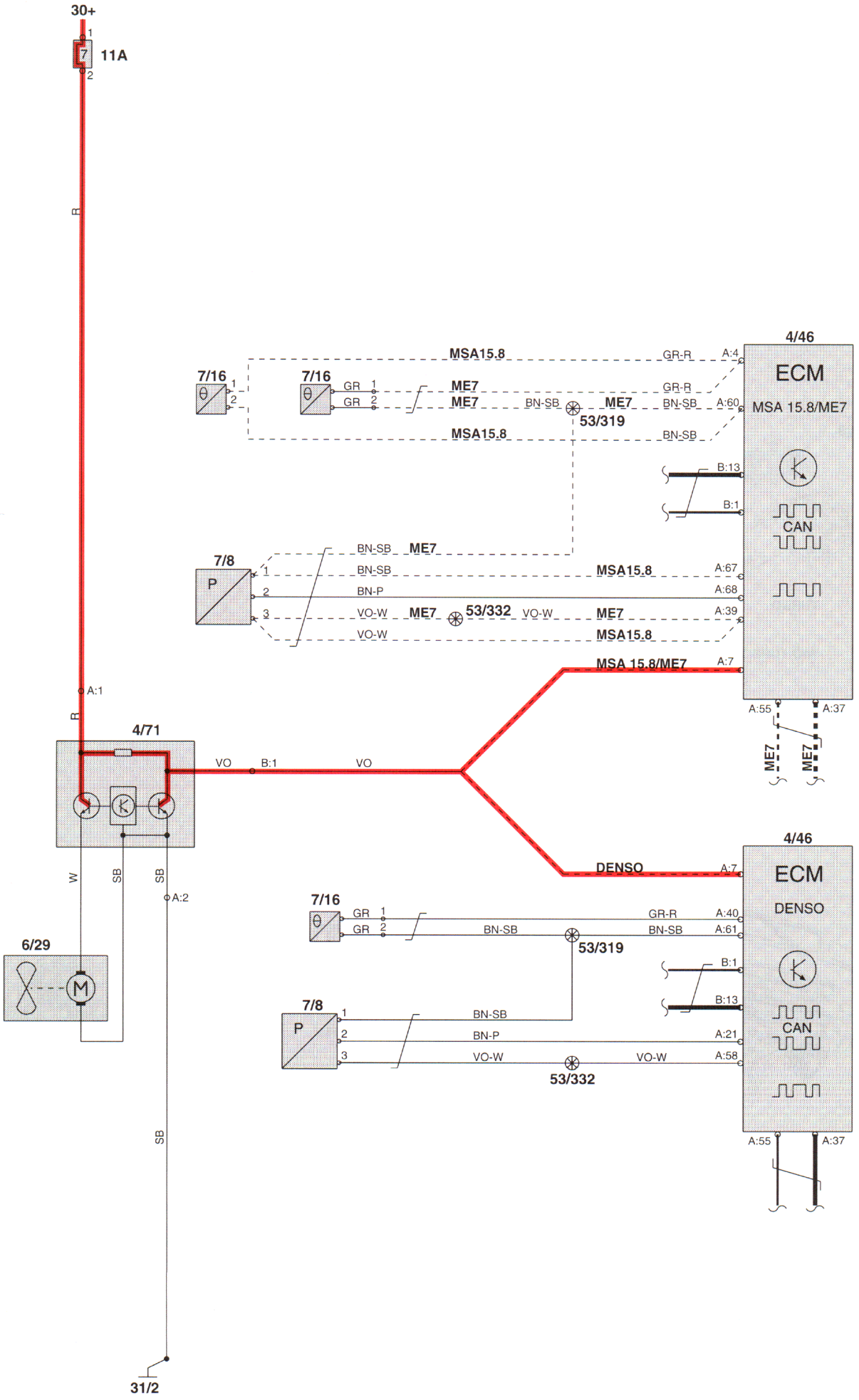
Emissions control
Denso



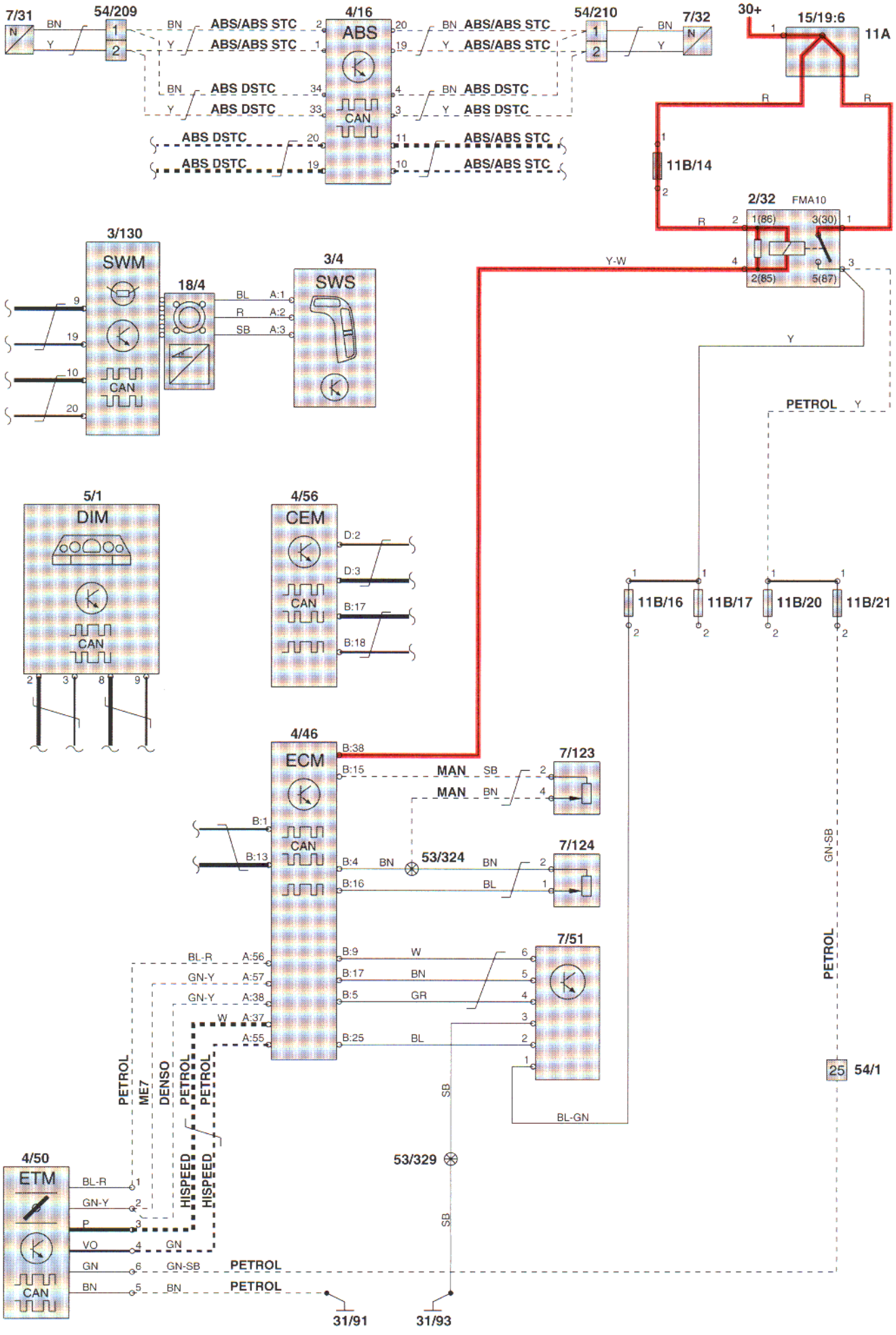
Emissions control
ME7



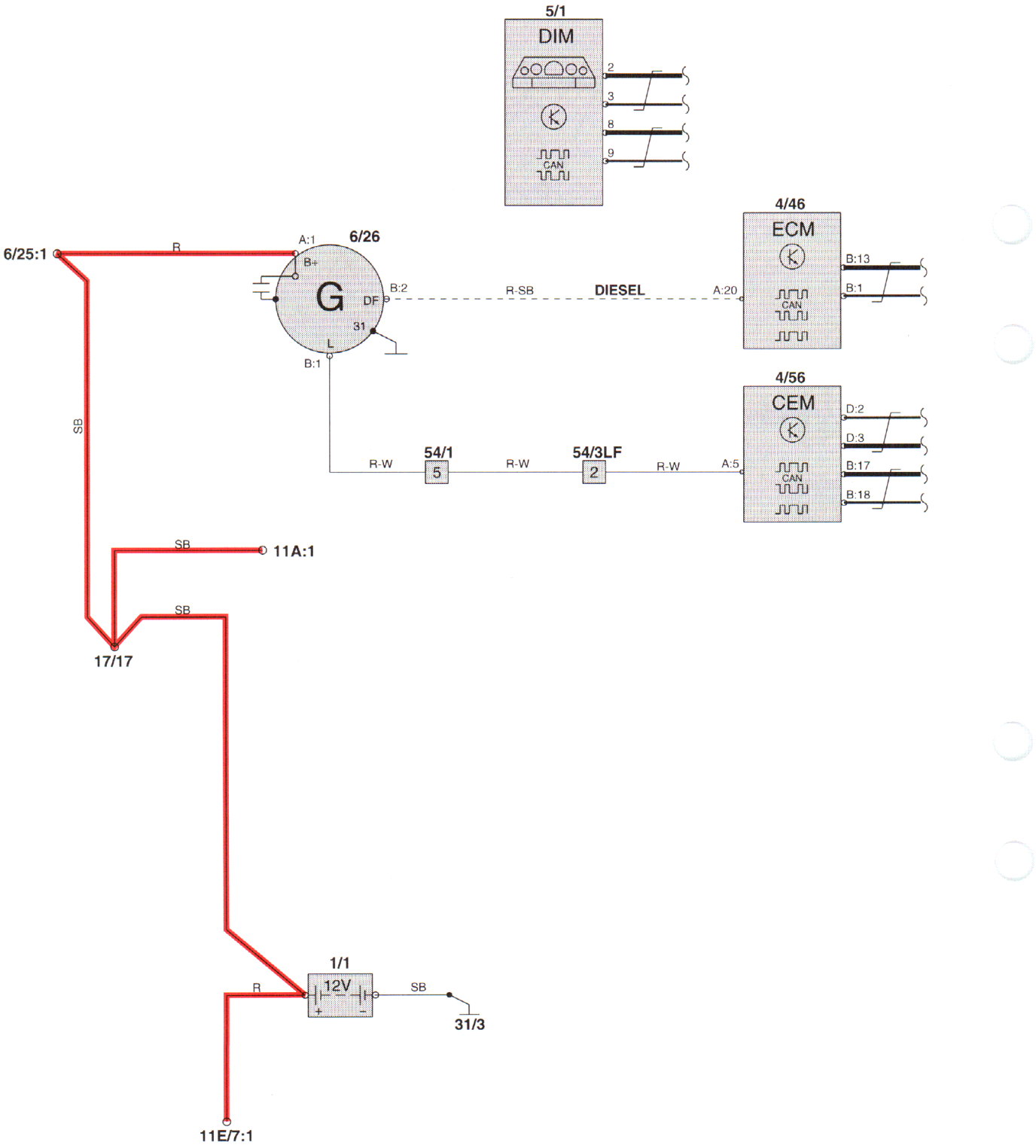
Engine cooling fan (FC)



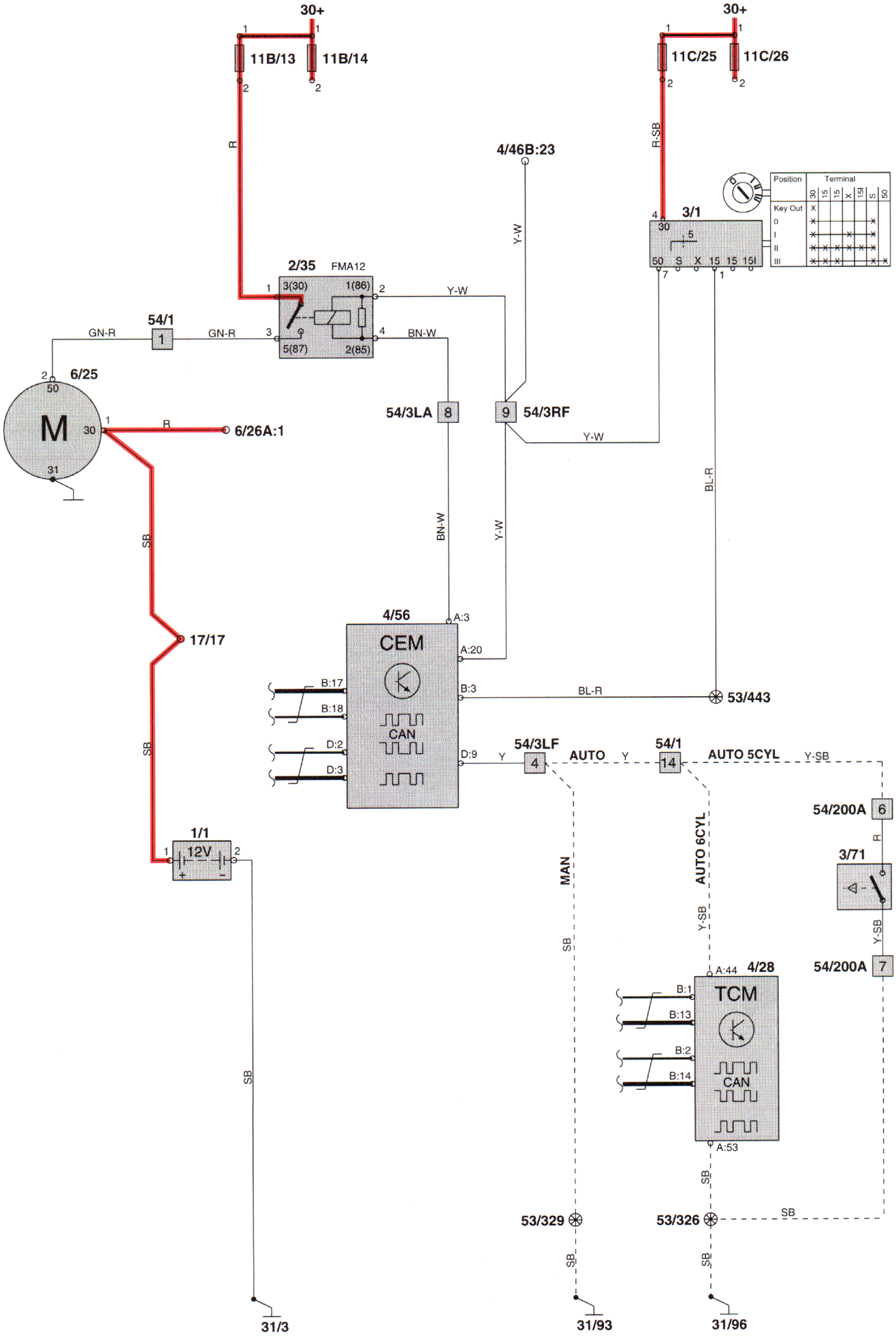
Cruise control



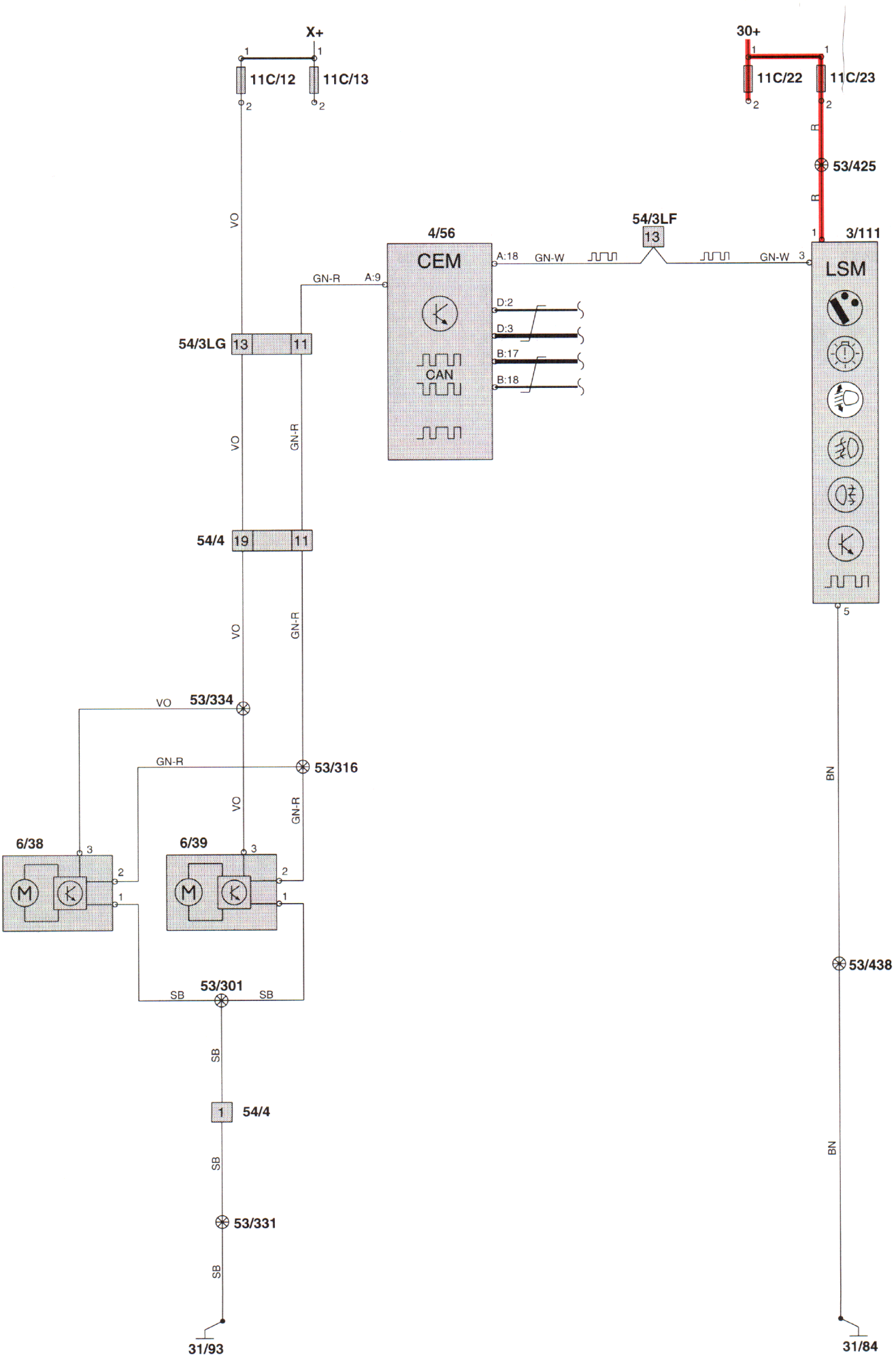
Power supply



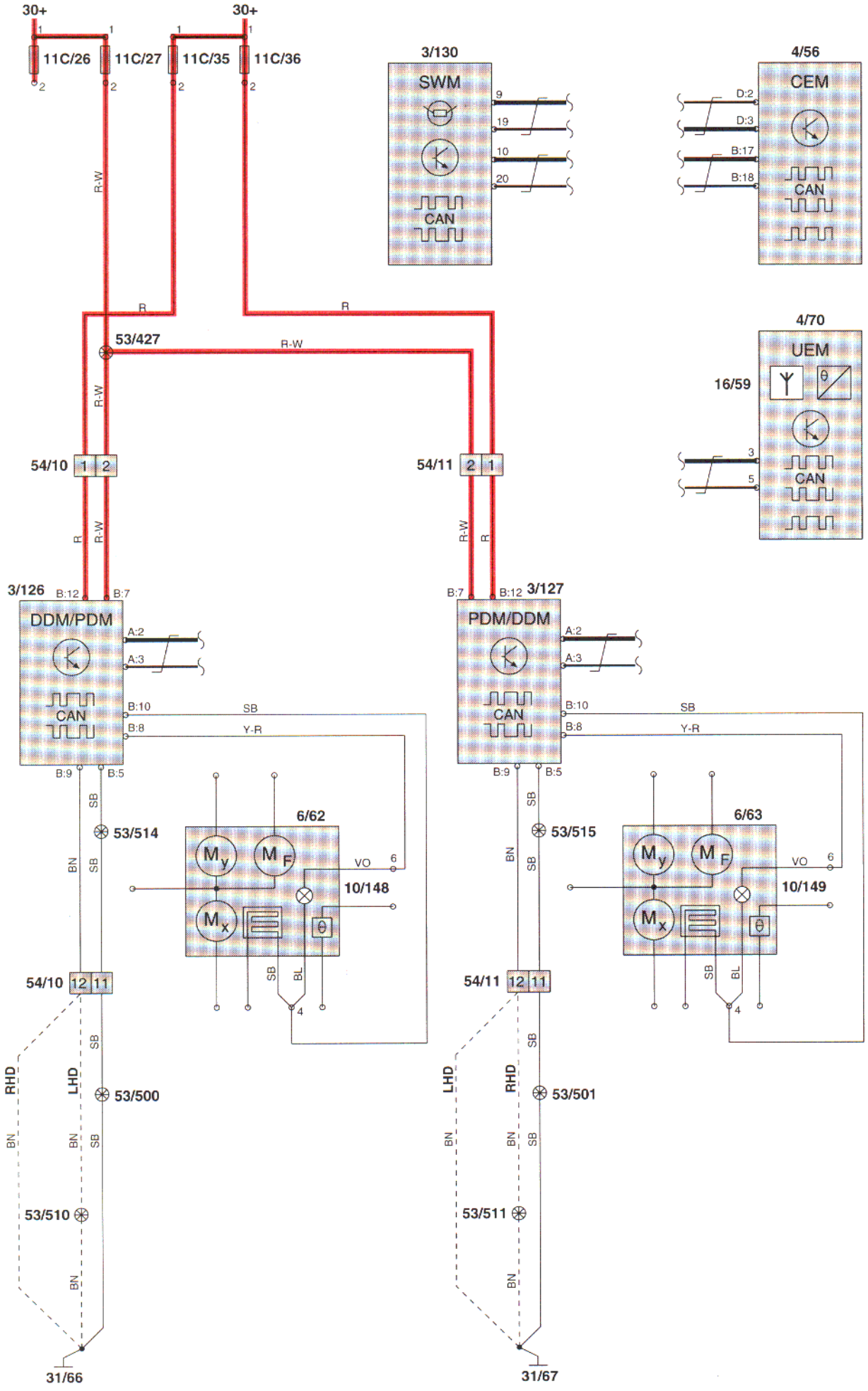
Starter system



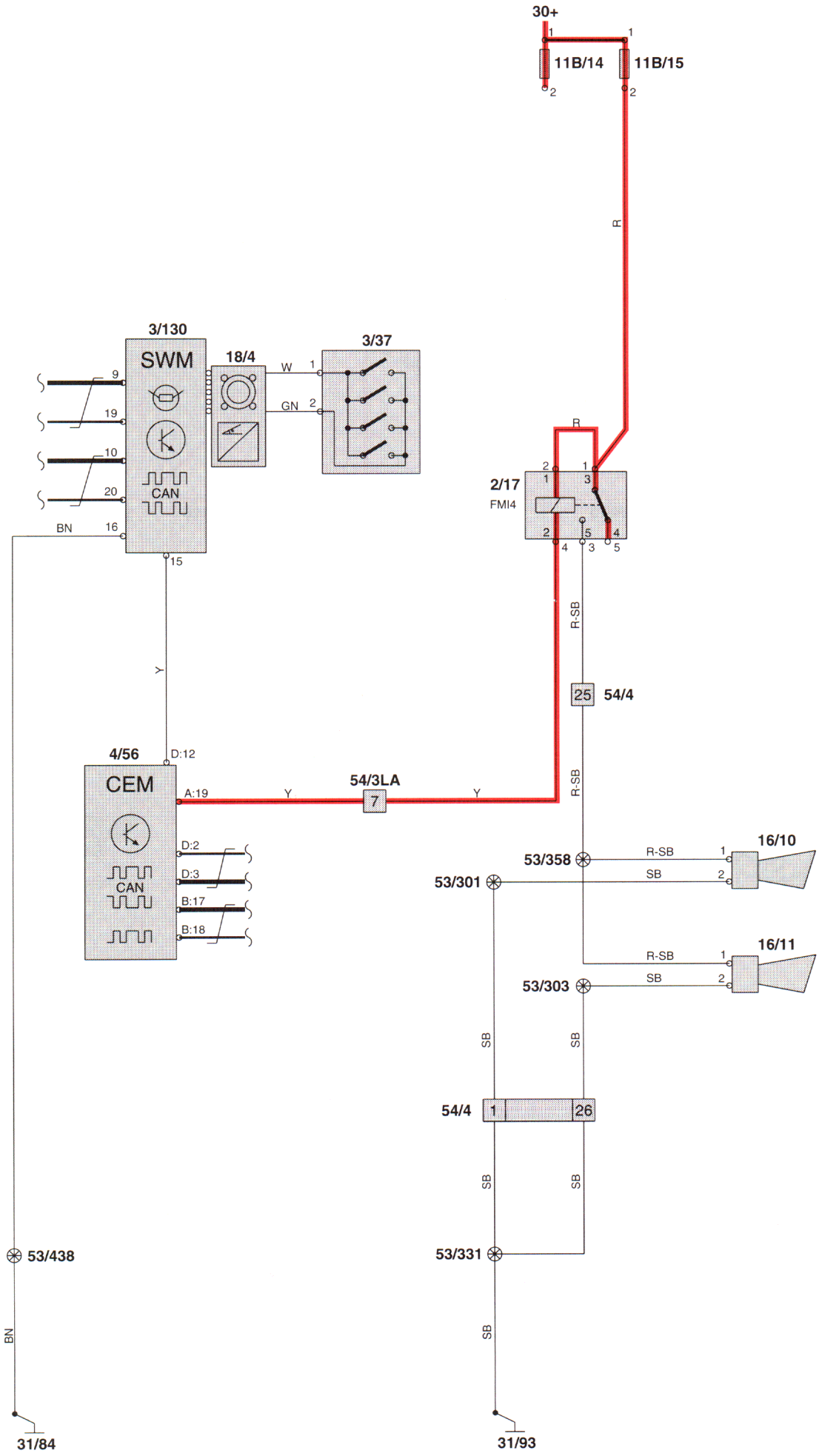
Headlamp range adjustment



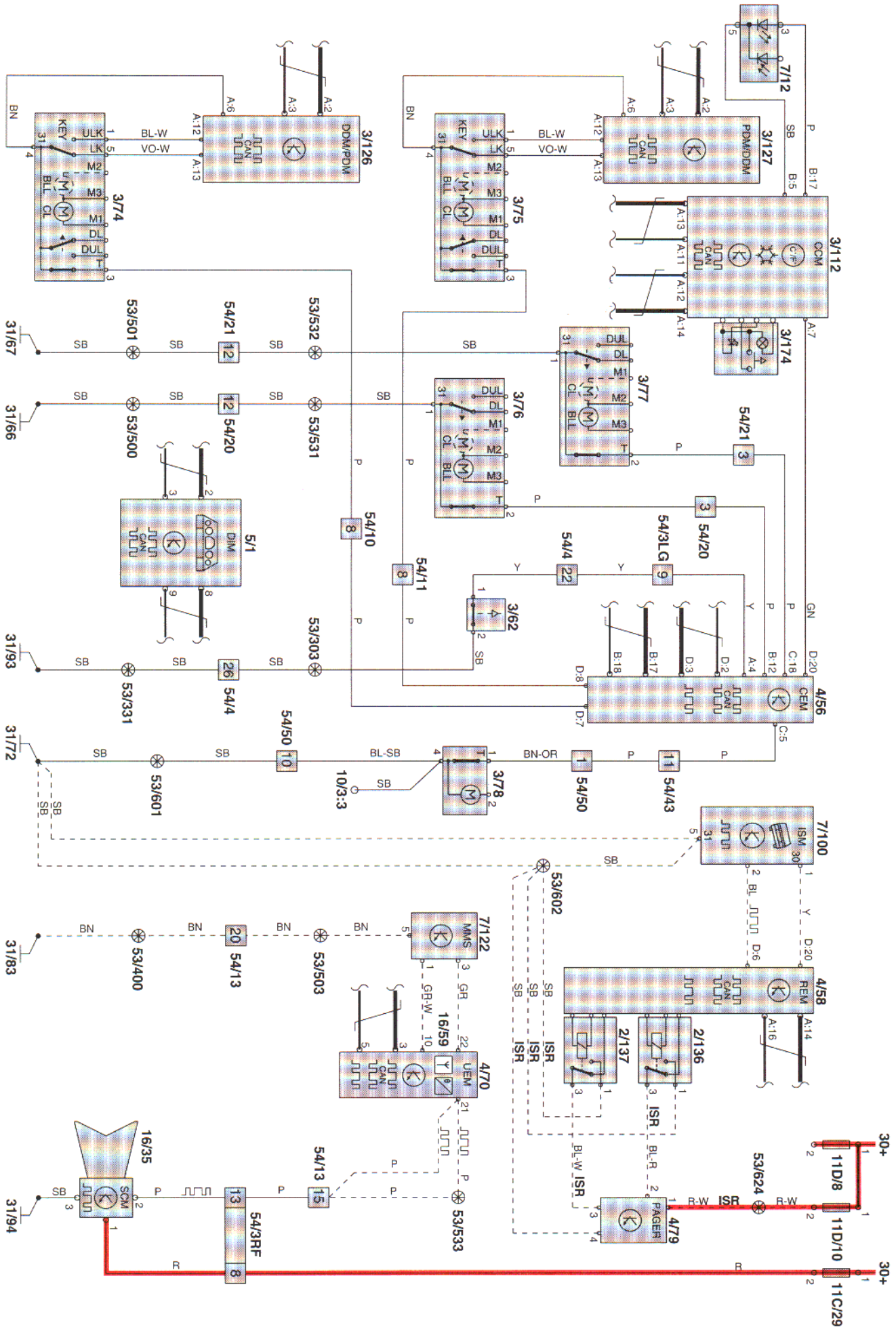
Safety lighting



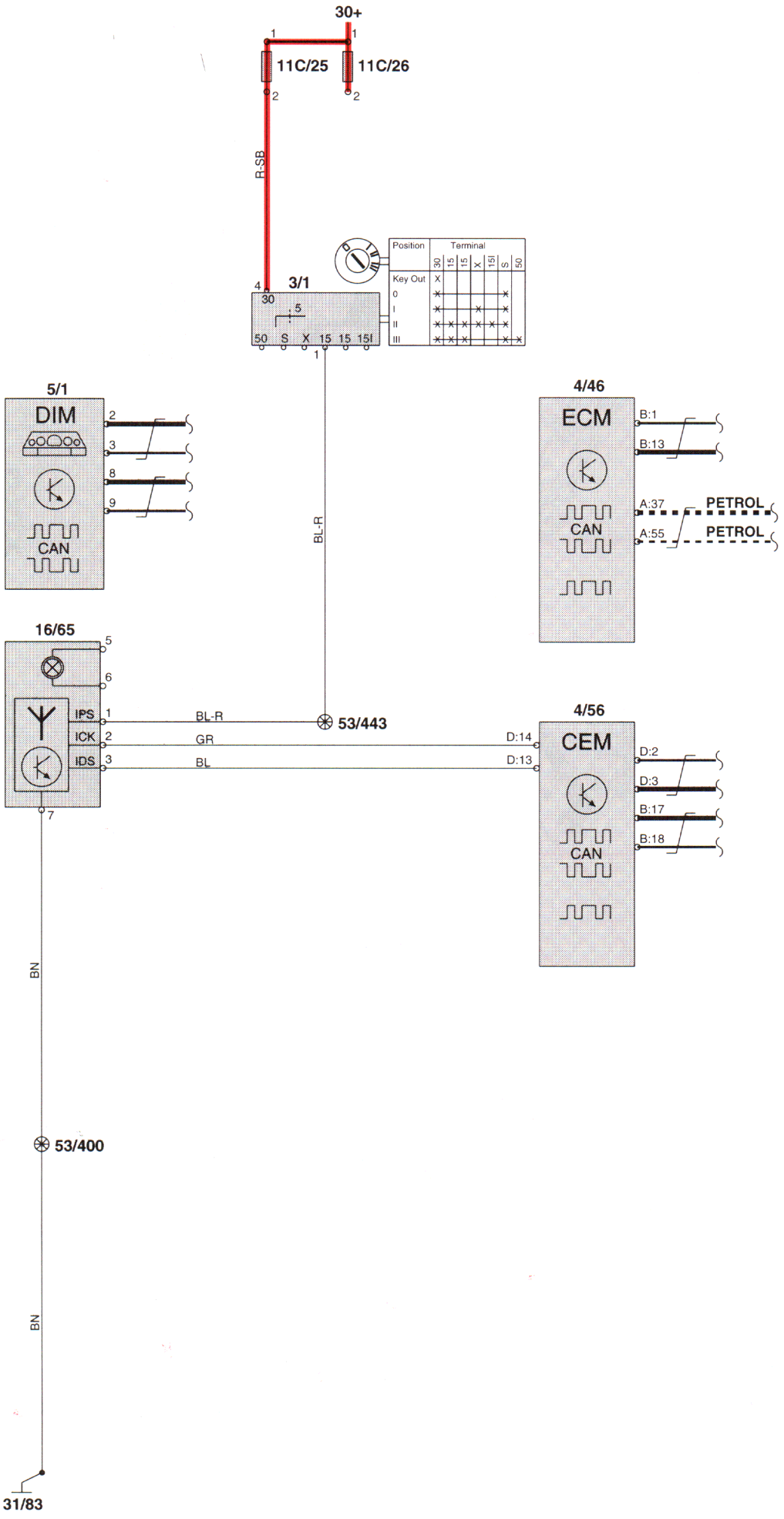
Signal horn


30+
11B/14
11B/15
R
3/130
SWM
CAN
18/4
W
GN
3/37
2/17
FMI4
R-SB
25
54/4
4/56
CEM
CAN
D:12
A:19
Y
54/3LA
7
D:2
D:3
B:17
B:18
53/358
53/301
R-SB
SB
16/10
16/11
53/303
54/4
1
26
53/331
53/438
BN
31/84
31/93

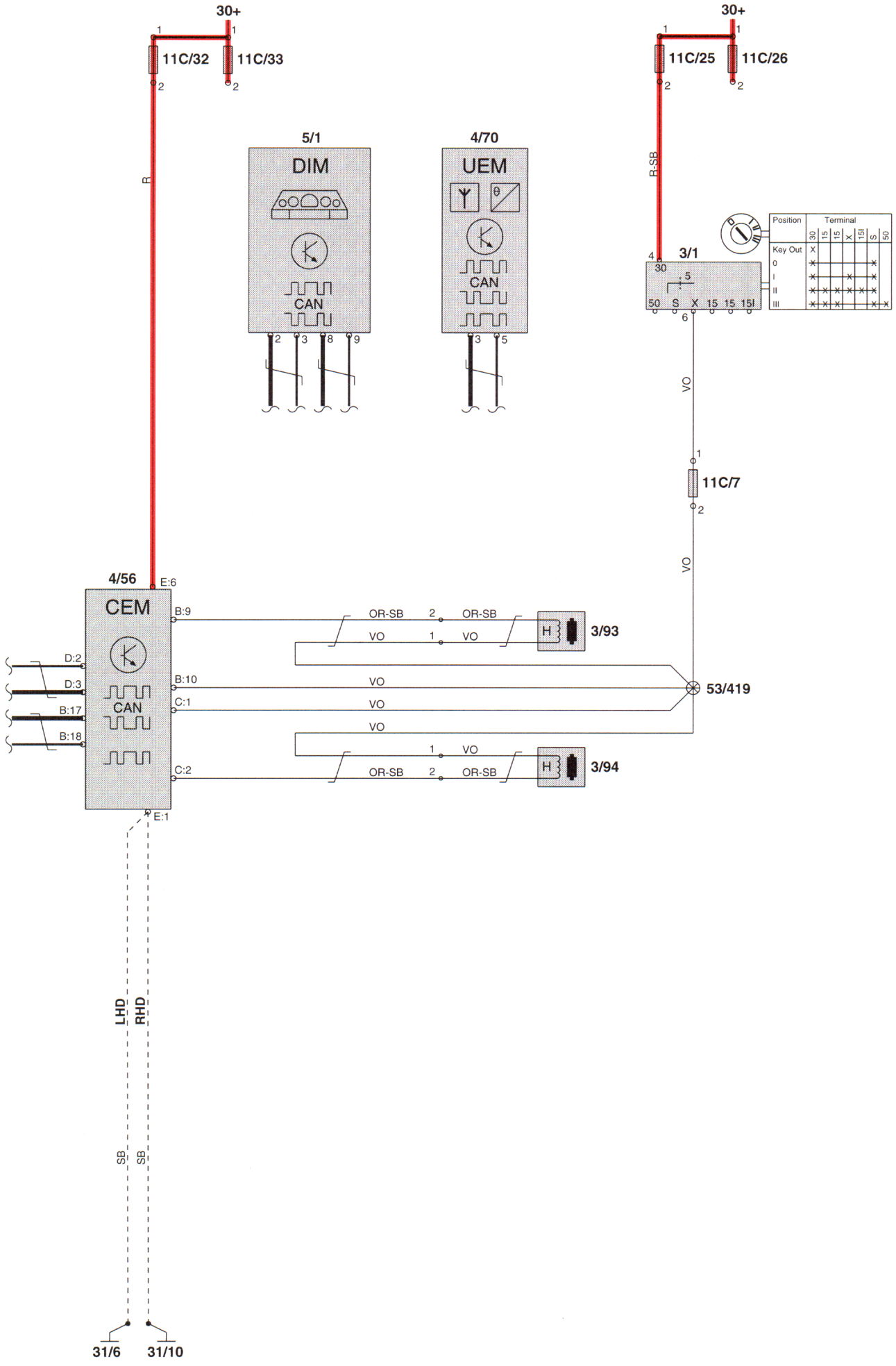
Anti-theft alarm



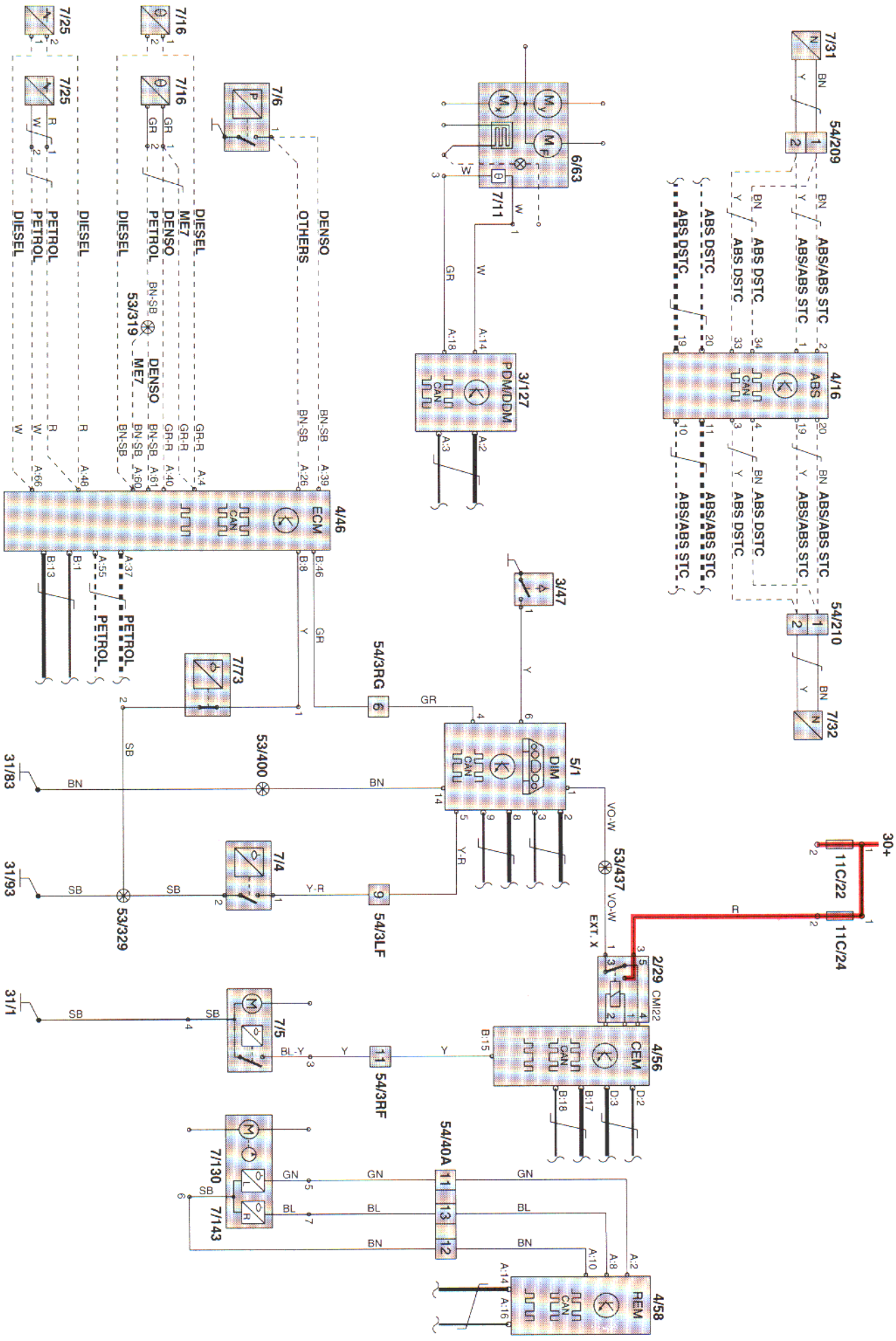
Immobilizer



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

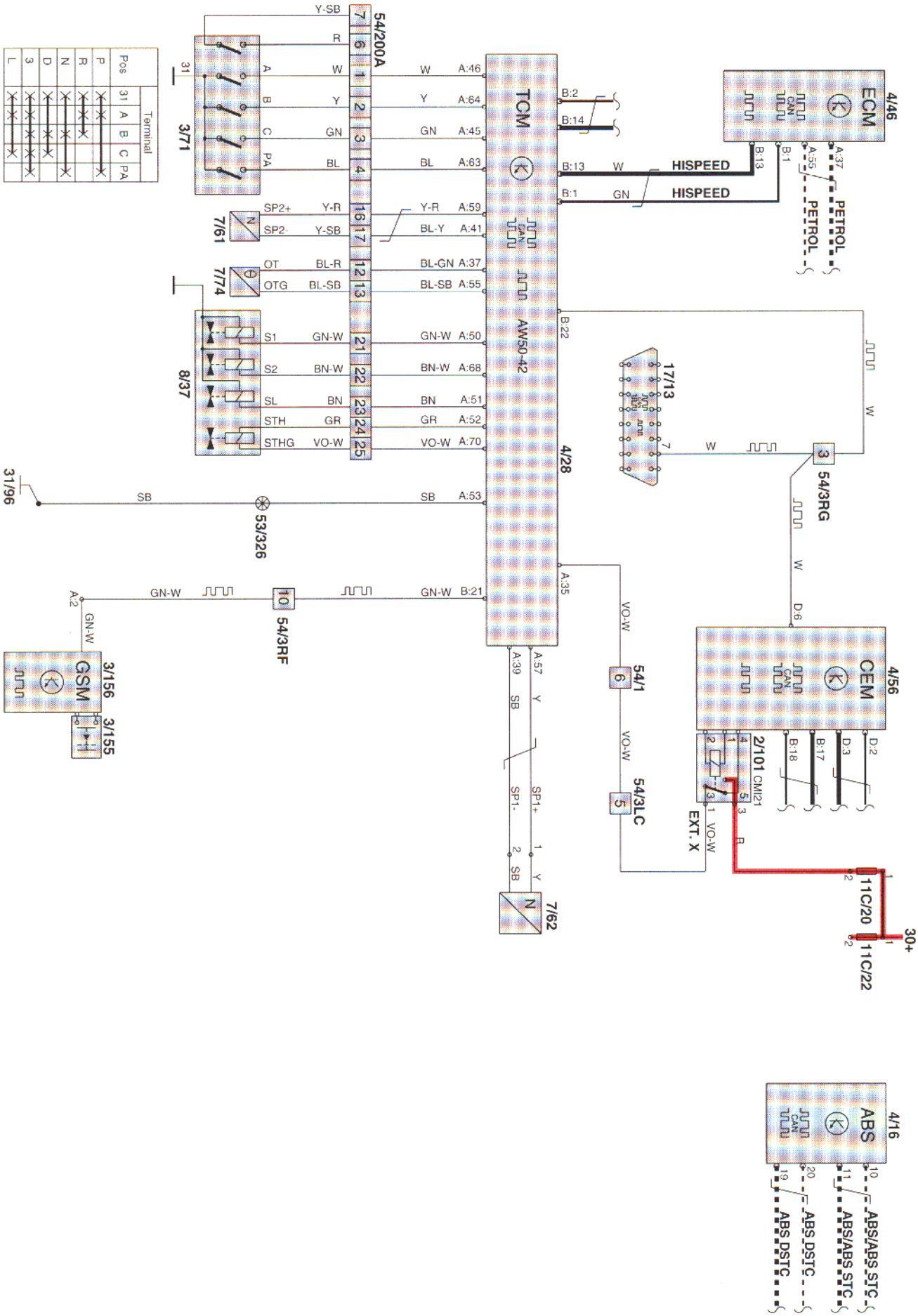
Group 83
Central locking 140
Power sunroof 142

Group 87
Manual climate control MCC 144
Electronic climate control ECC 146
Additional heater 148

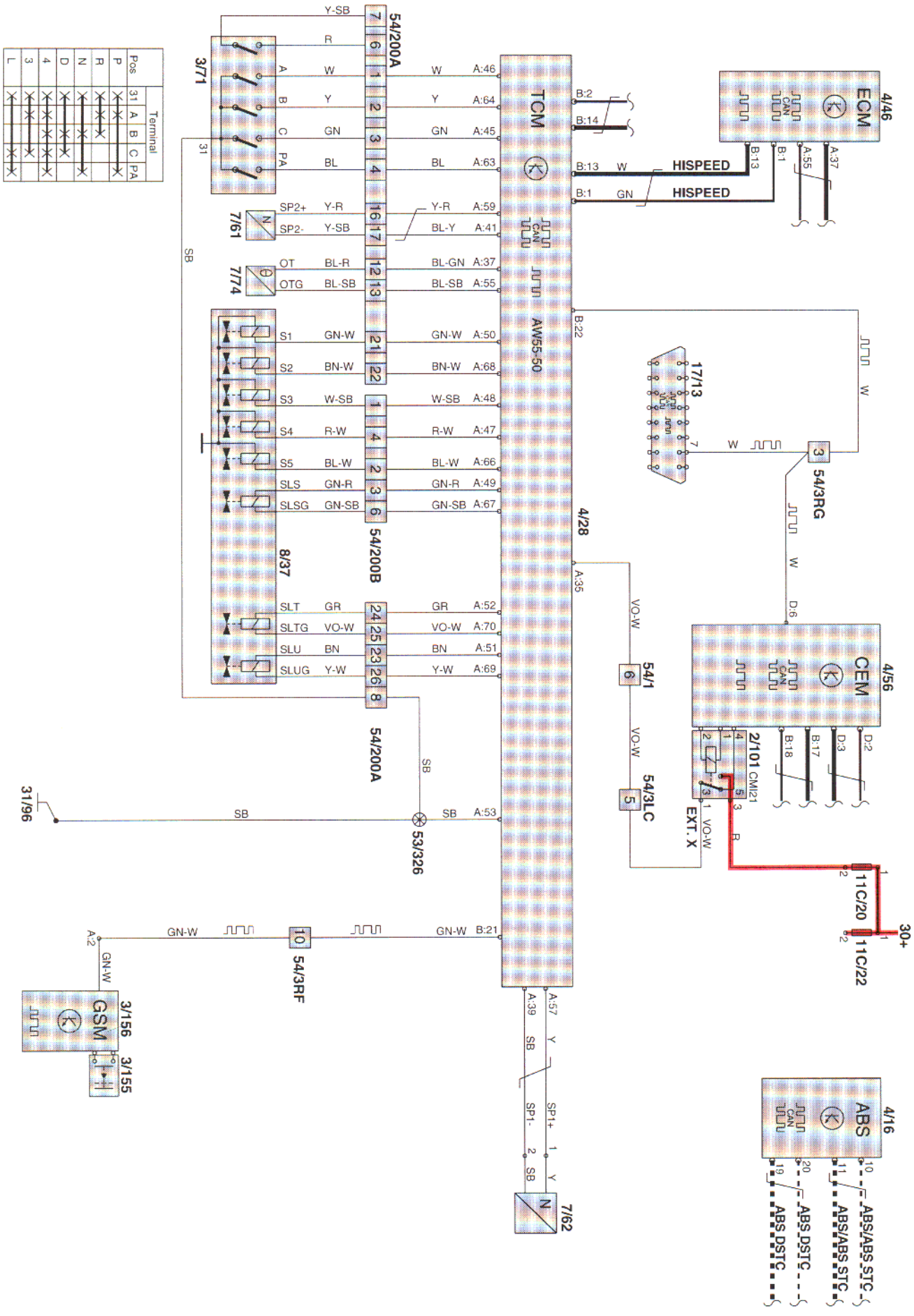
Group 88
SRS Supplemental Restraint System 150
Remote controlled garage door opener 152

Component list (fold-out) ..... see end of manual

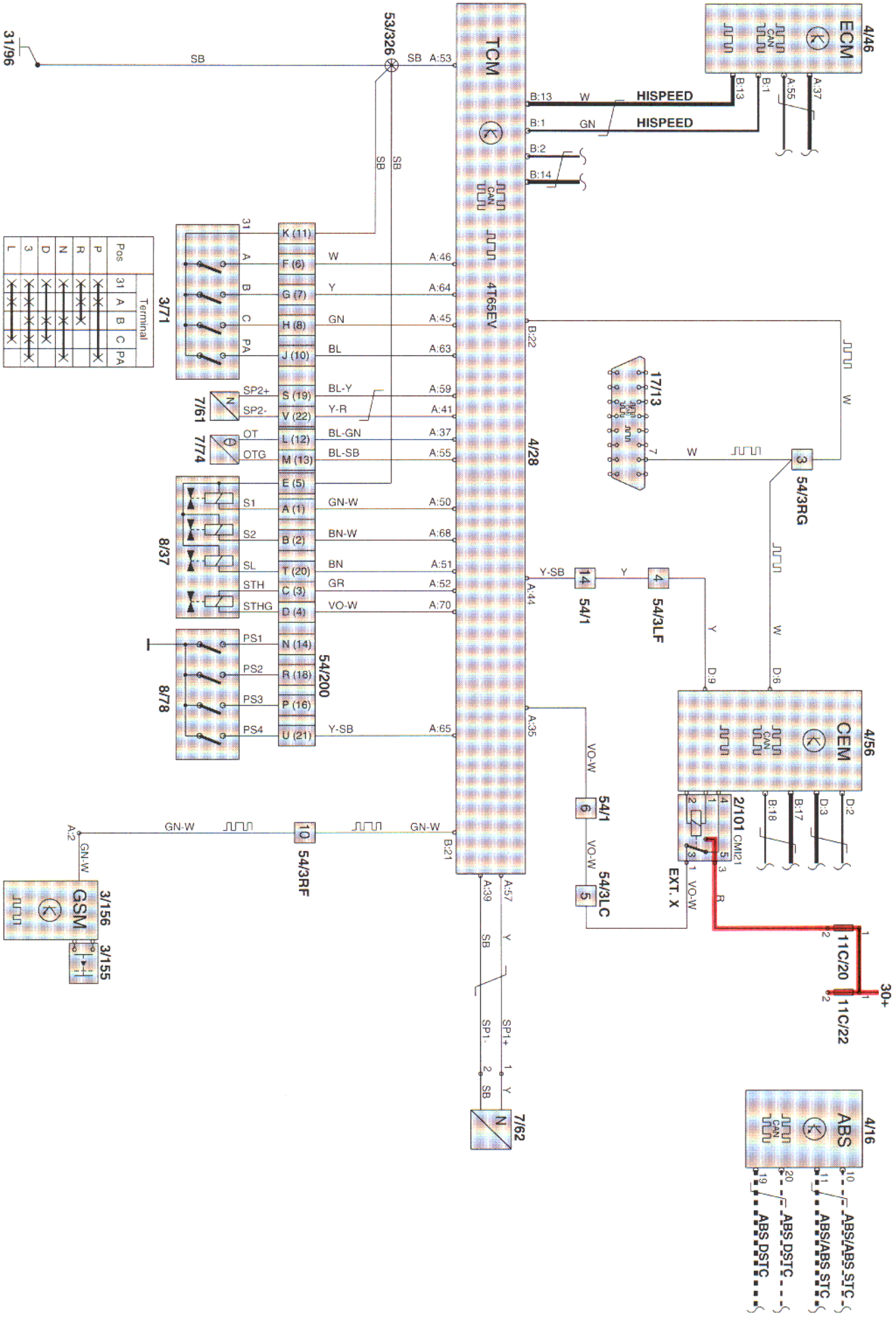
Automatic transmission
AW 50-42



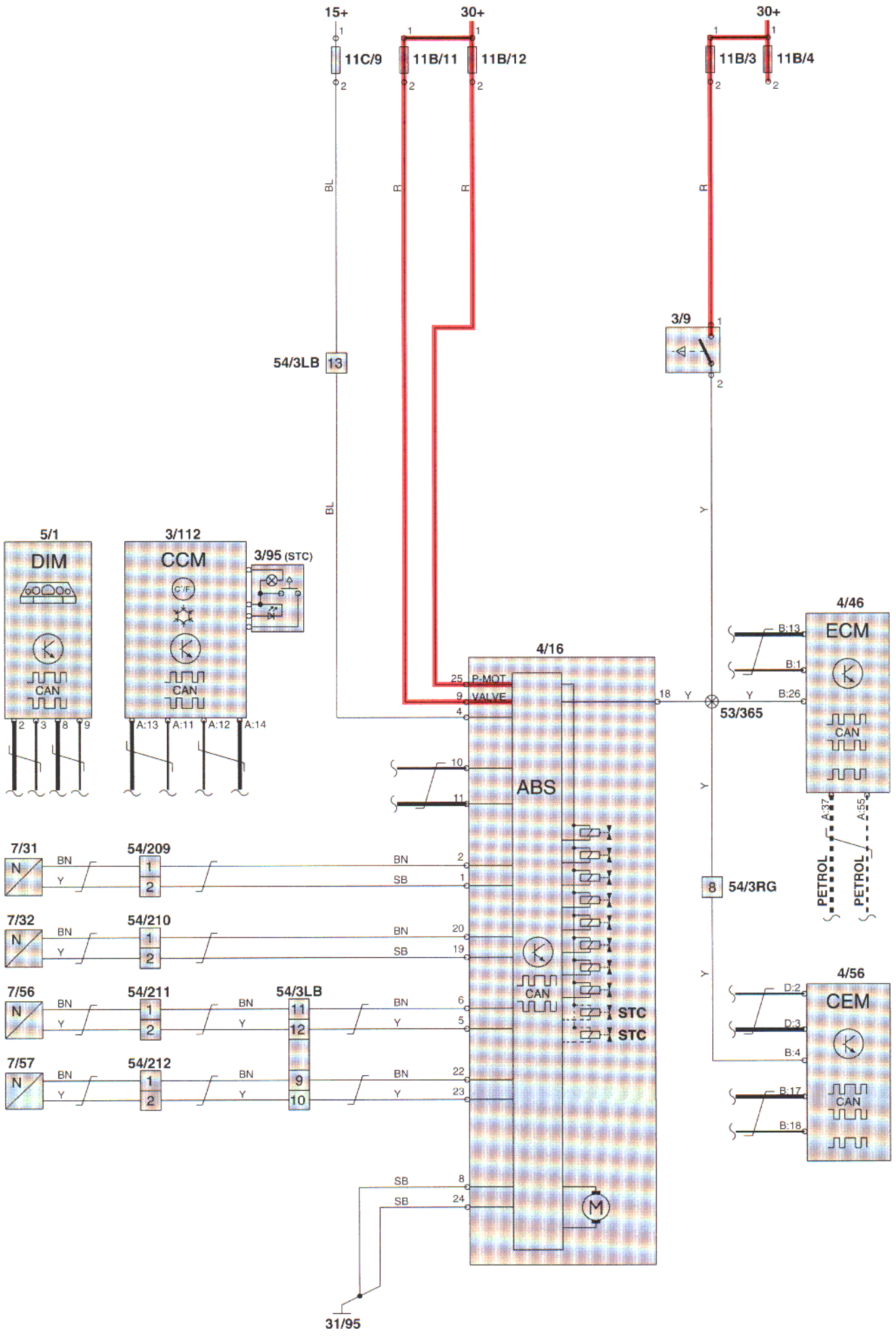
Automatic transmission
AW 55-50



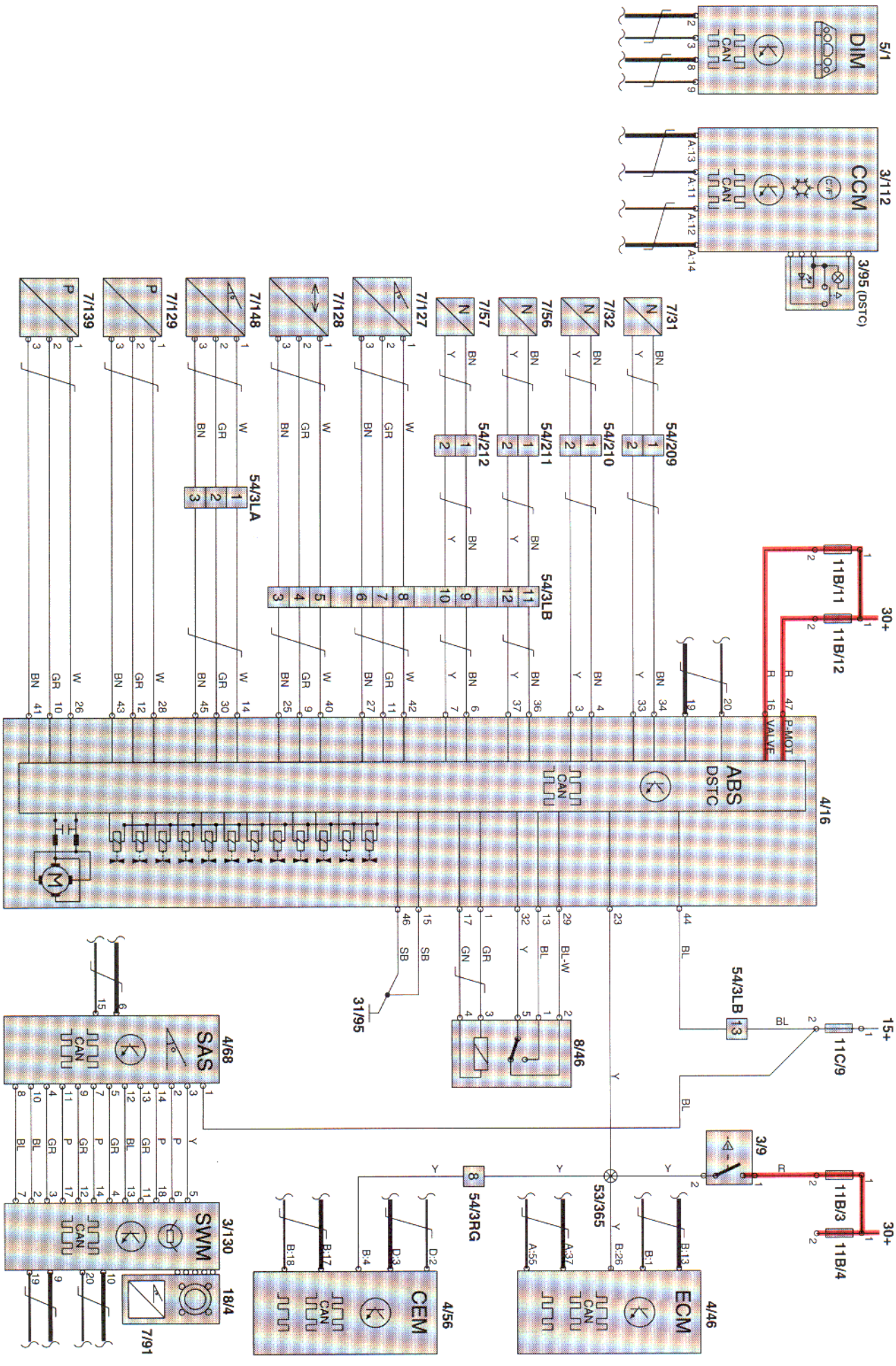
Automatic transmission
4T65EV



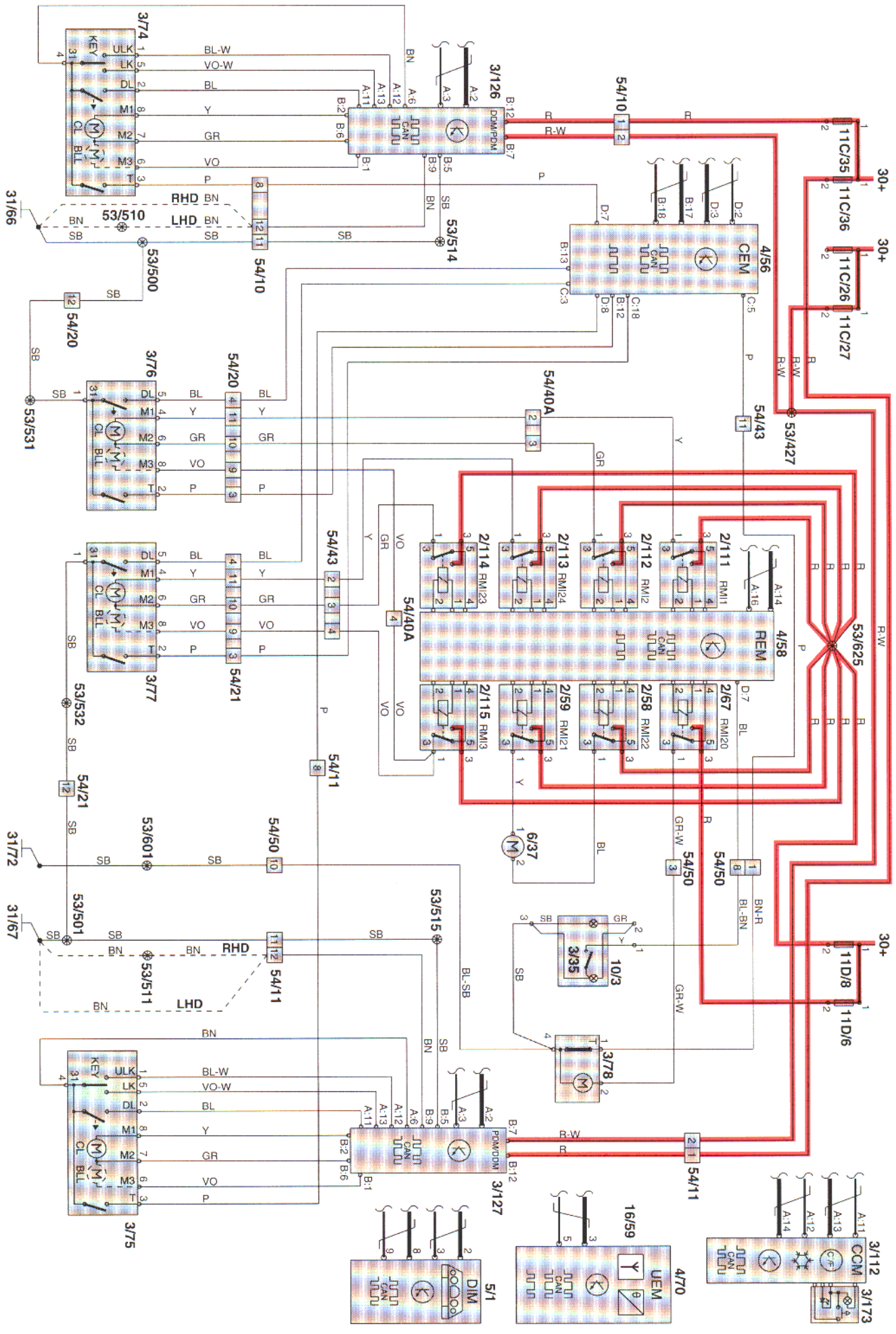
ABS brake system and STC



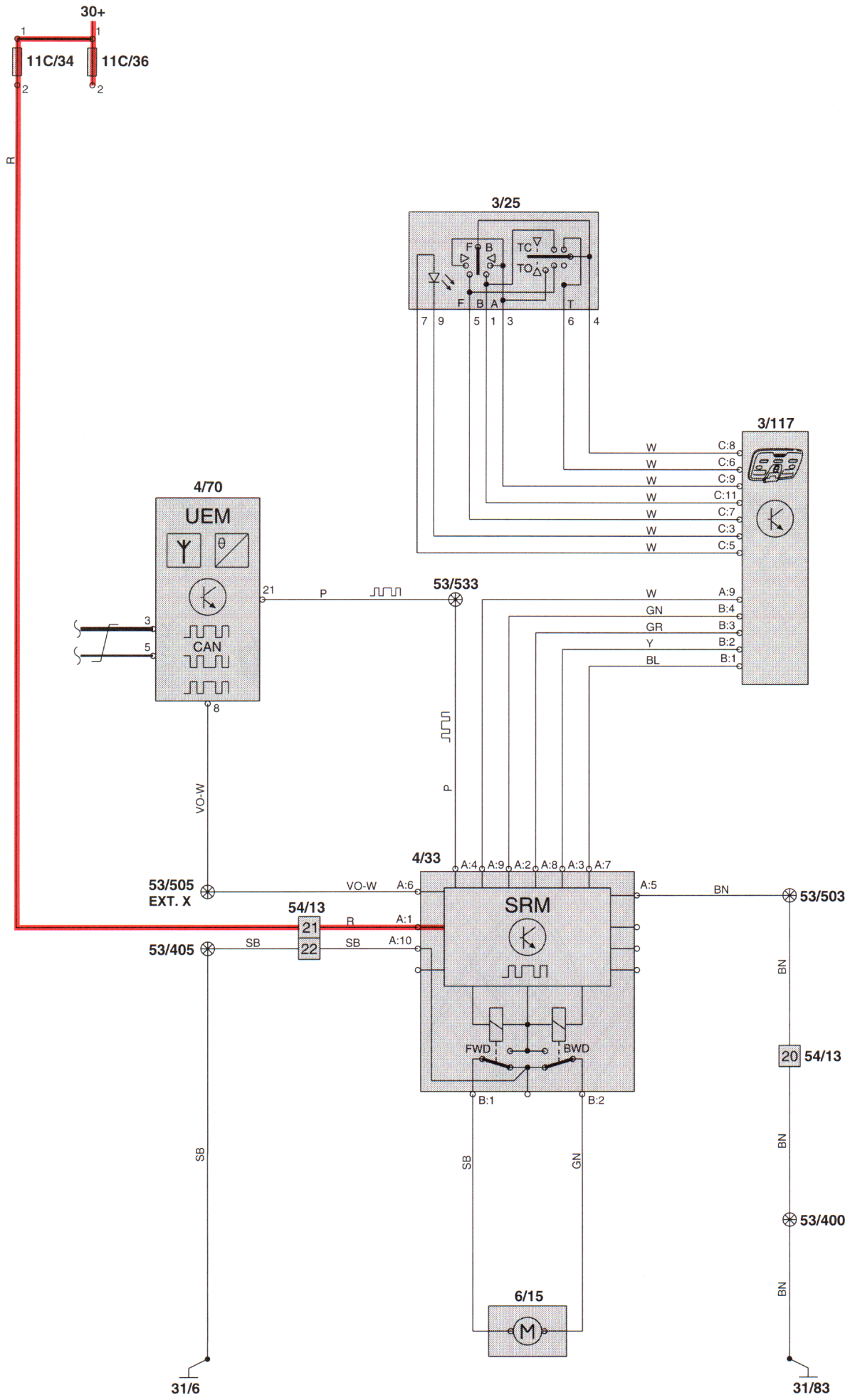
ABS brake system with DSTC



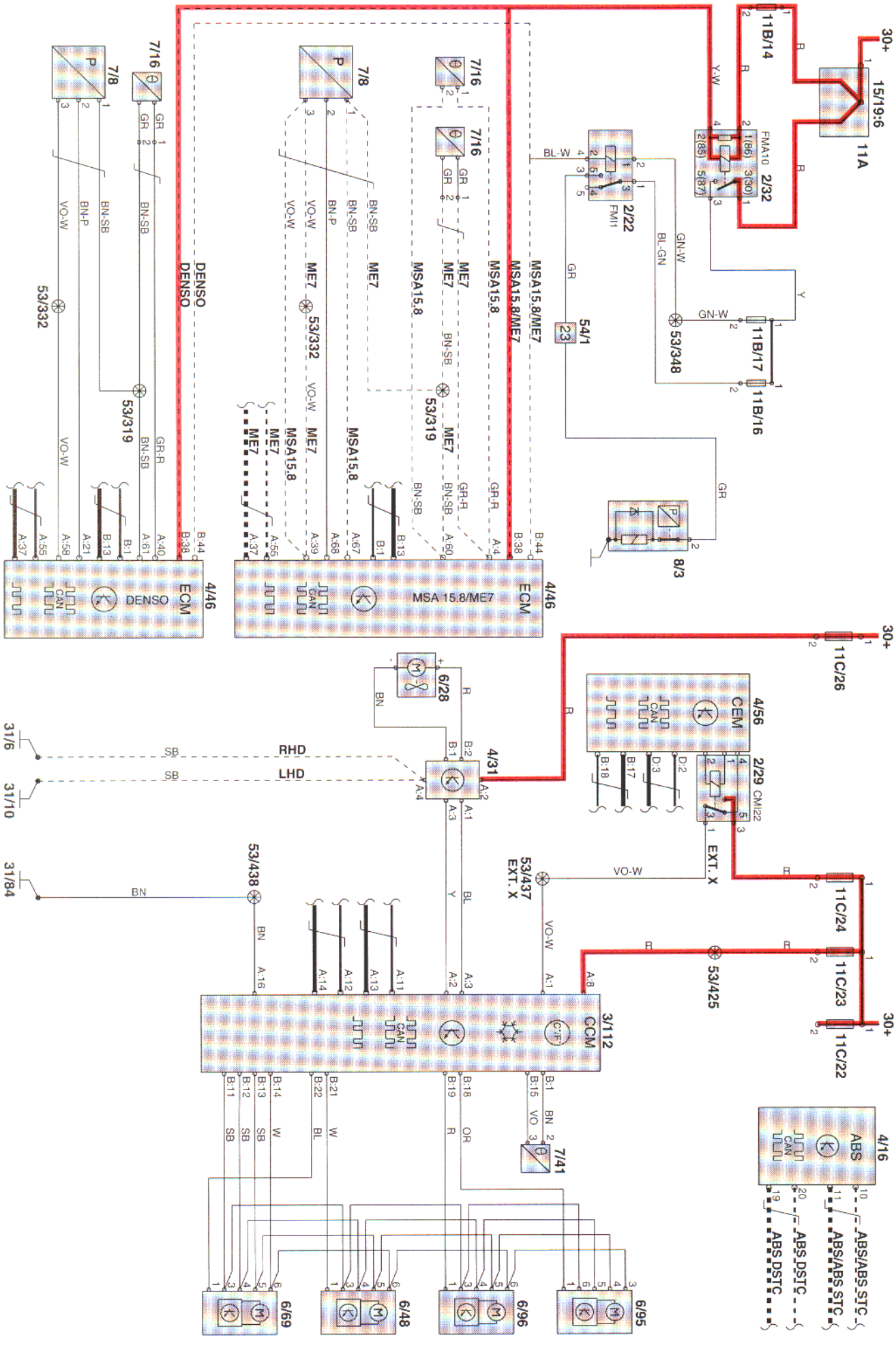
Central locking



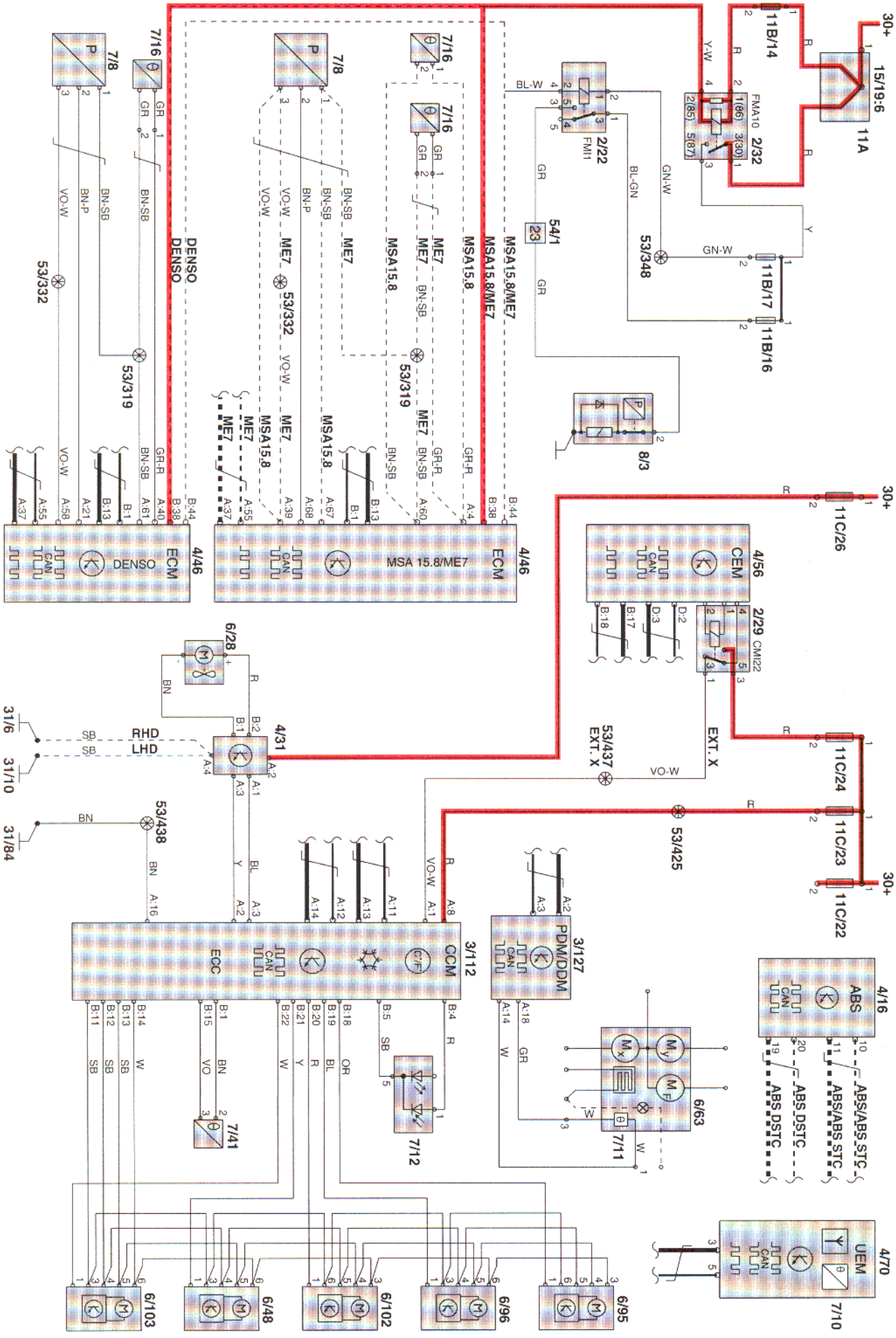
Power sunroof



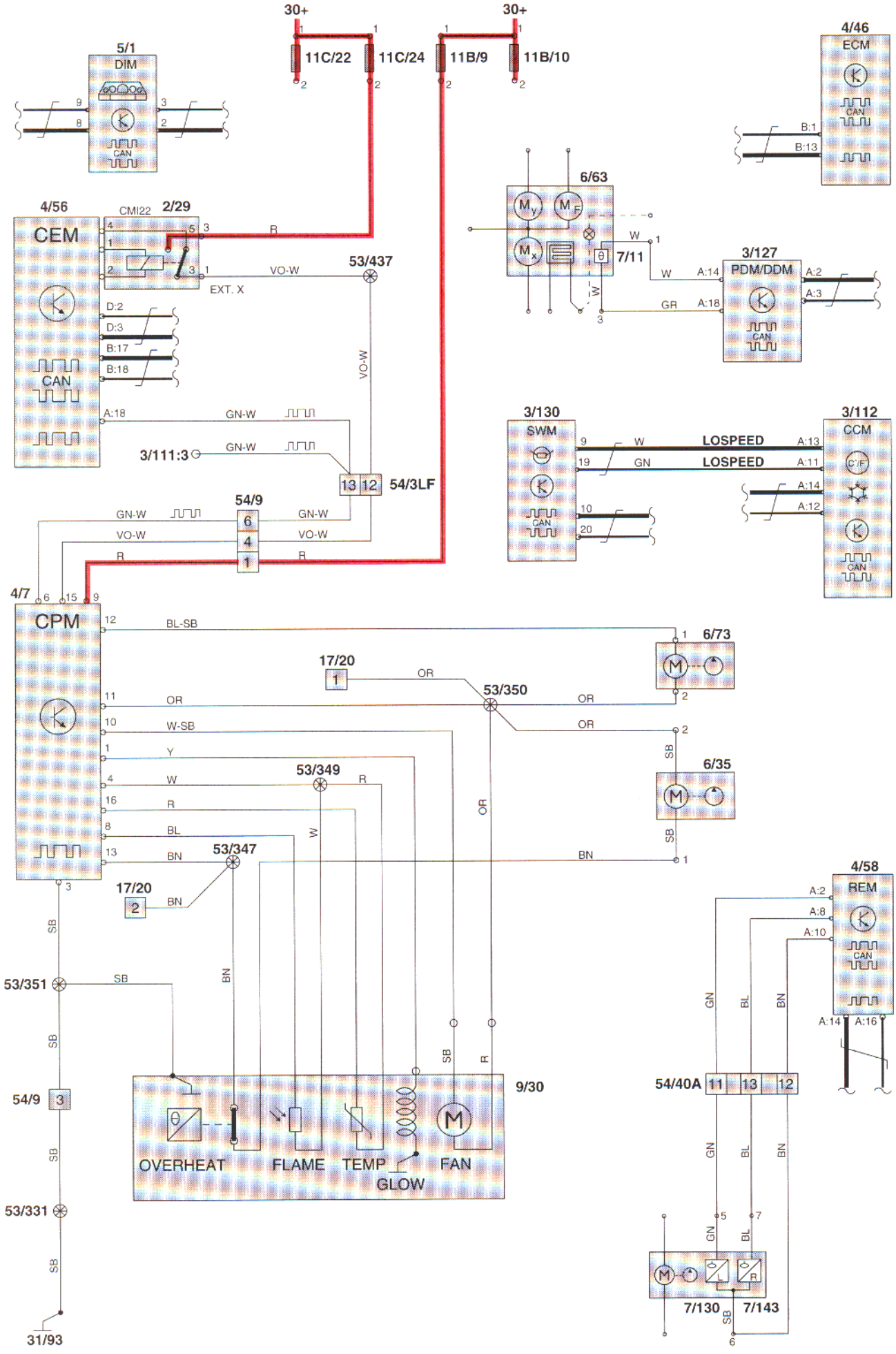
Manual climate control MCC



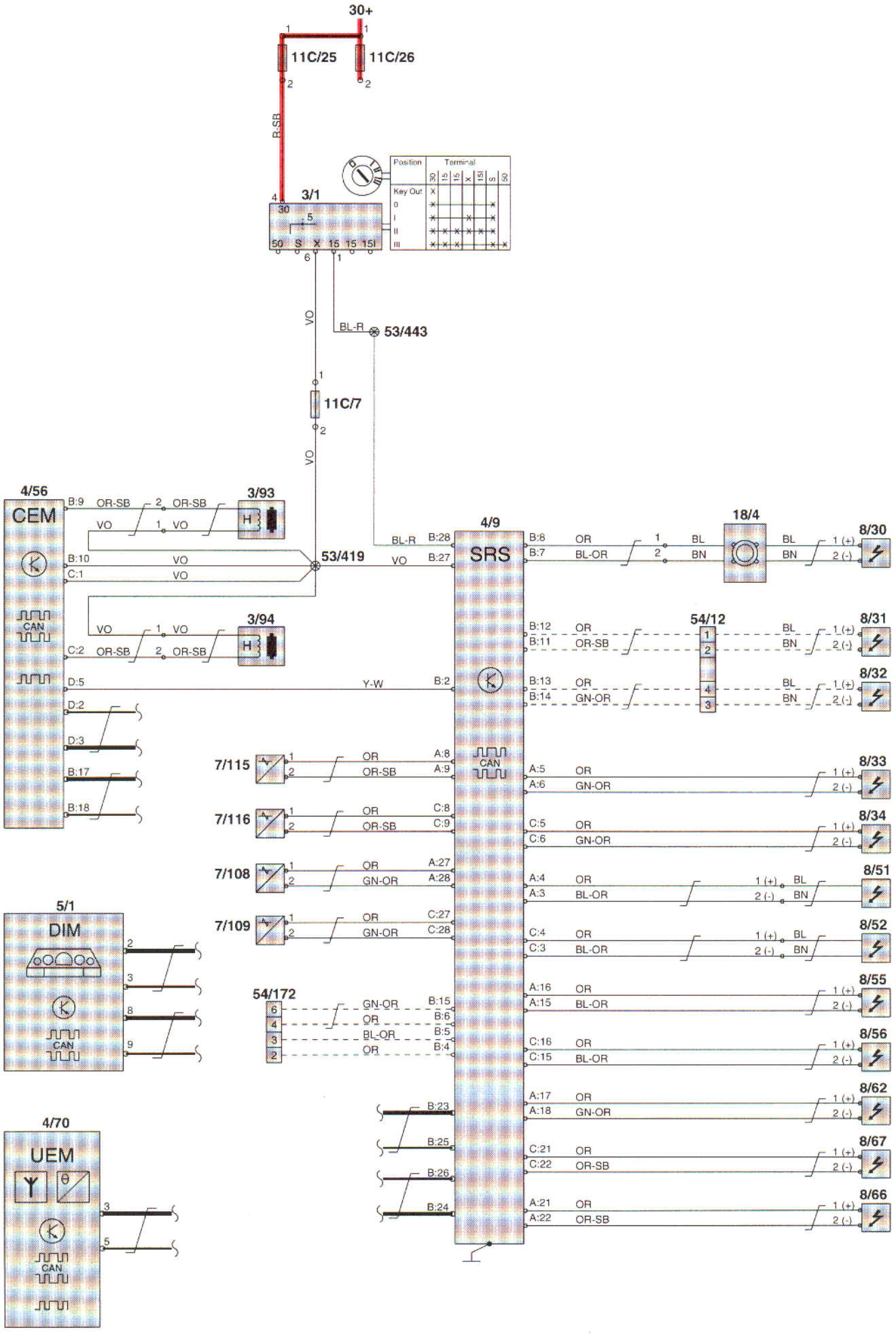
Electronic climate control ECC



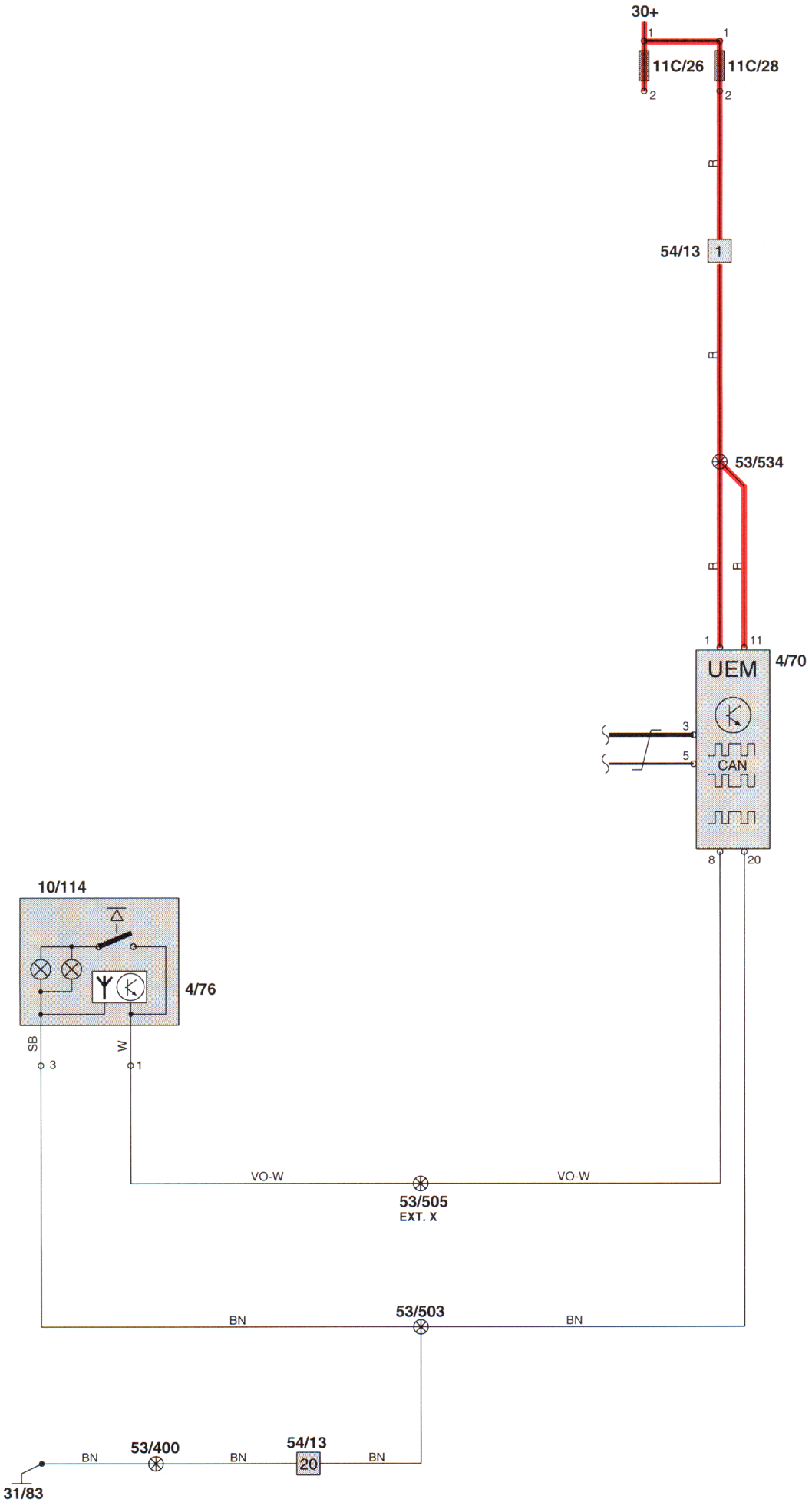
Additional heater



SRS Supplemental Restraint System

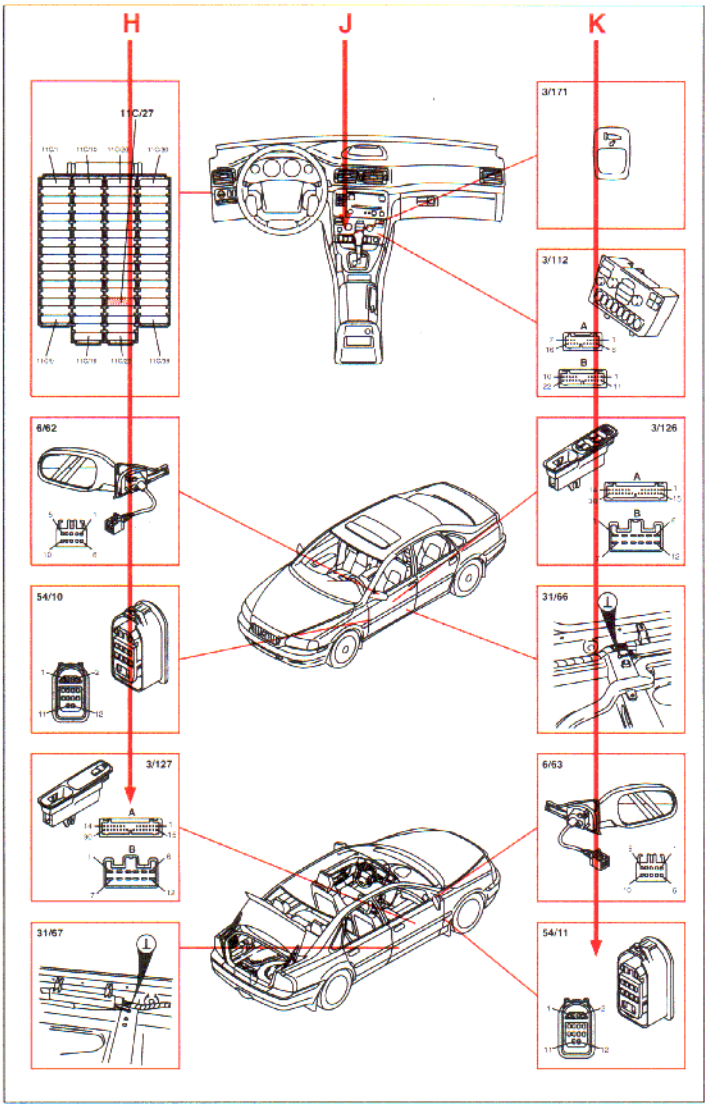


Remote controlled garage door opener



Component list

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



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 junctions 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

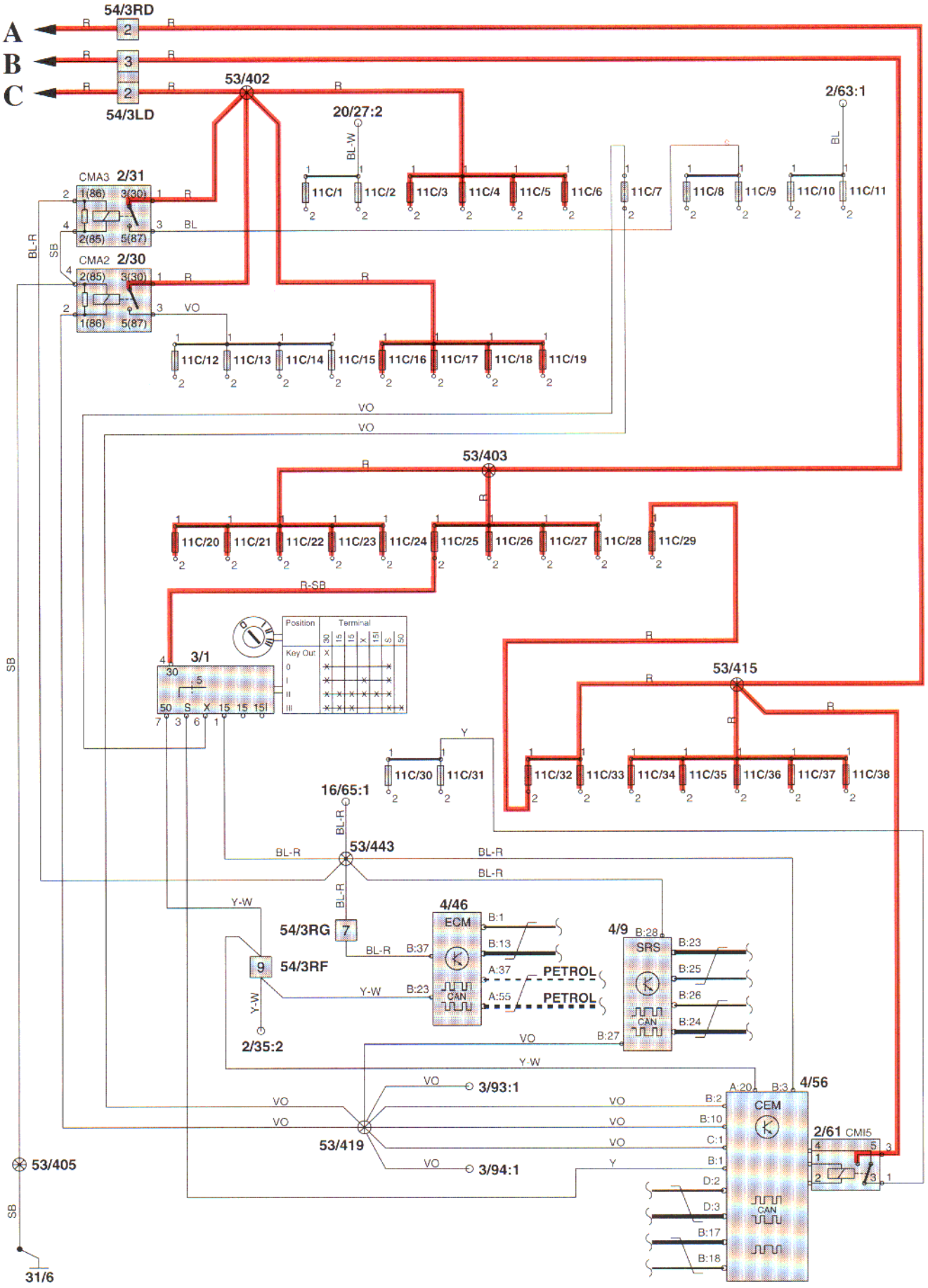
This shows which different positions the different cables are connected to on the relevant component.

J. Location of components

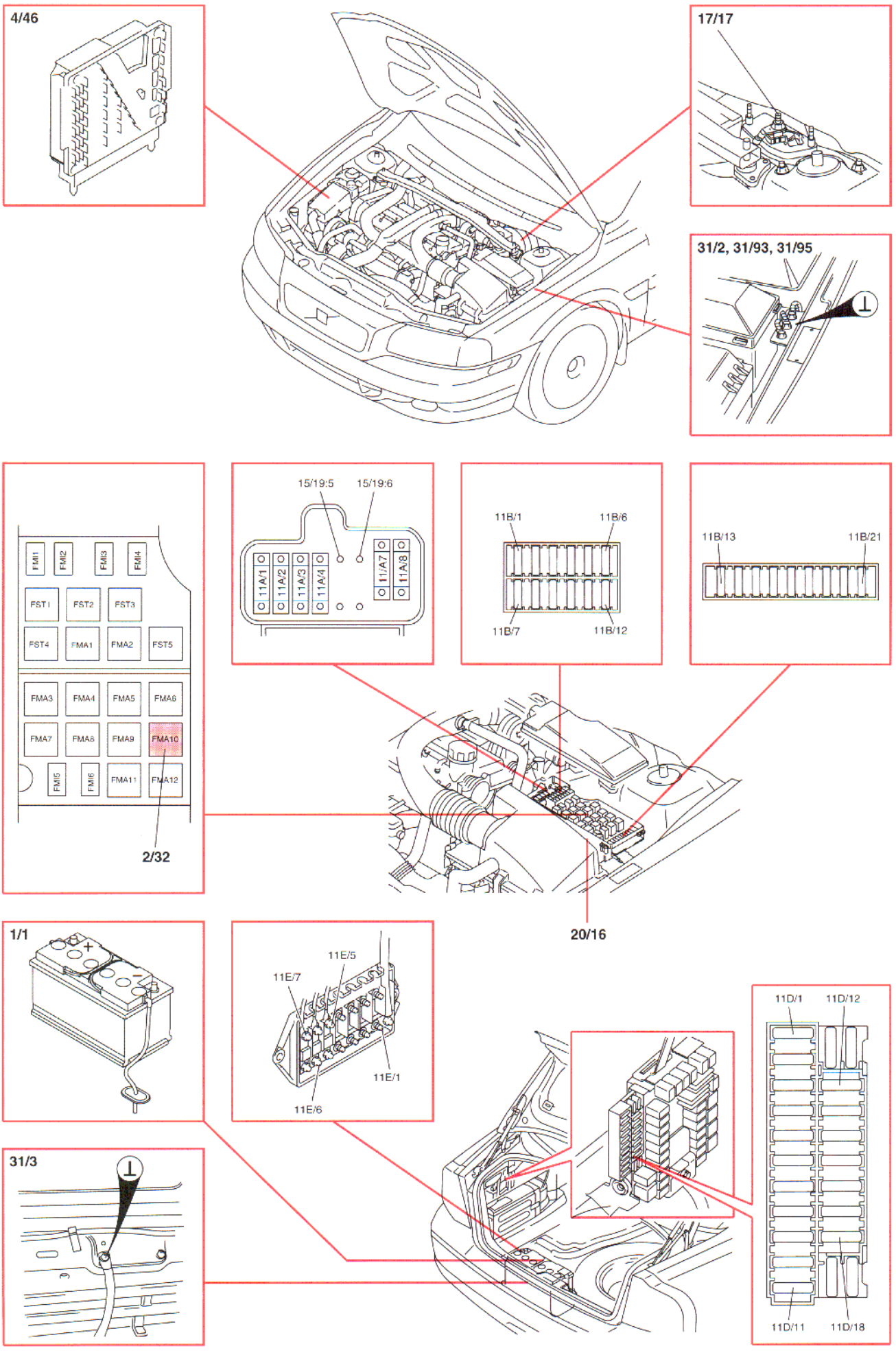
It shows where the function components are located.

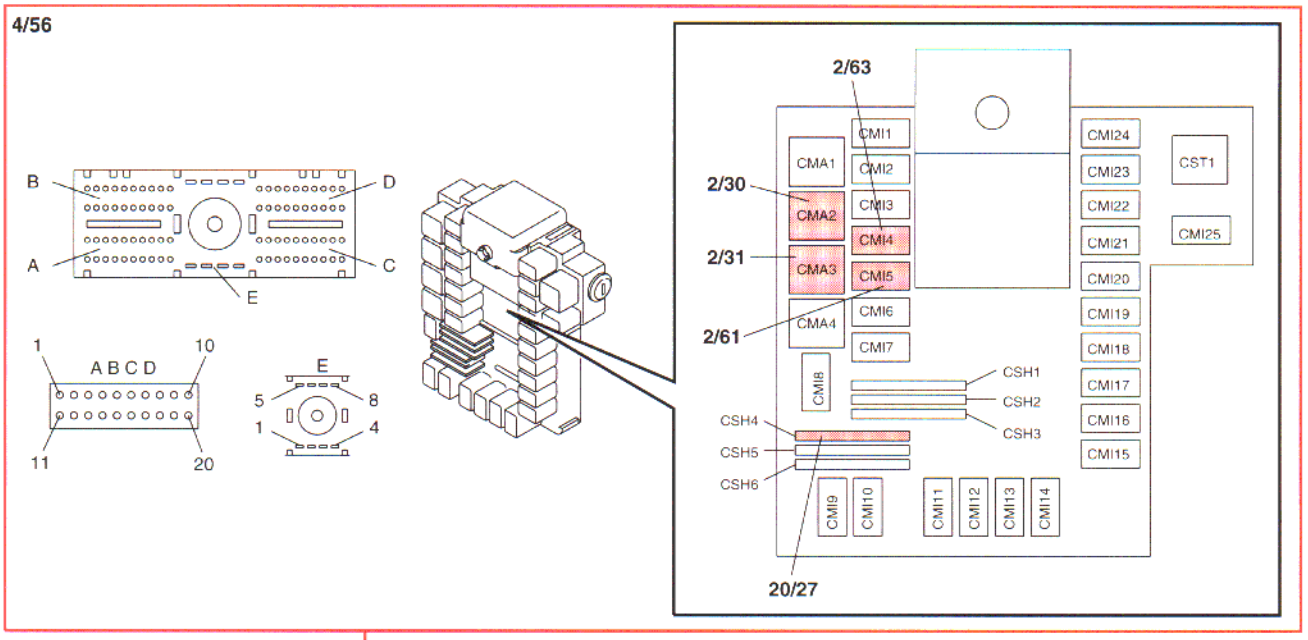
K. Connectors

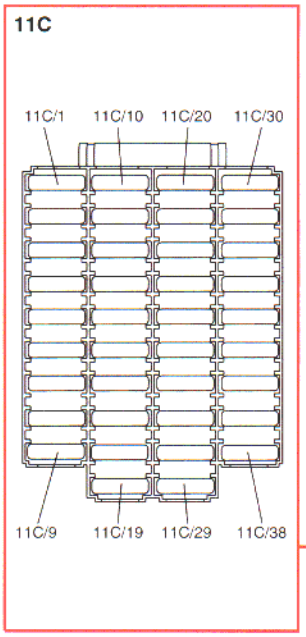
Connectors which are an interface between two cable harnesses are described in the section "Connectors".

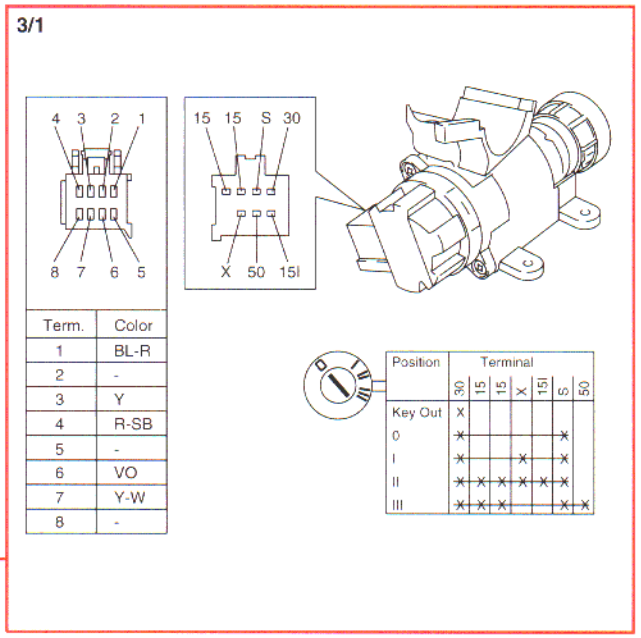

A
B
C
54/3RD
54/3LD
53/402
53/403
53/415
53/443
53/419
53/405
31/6
20/27:2
2/63:1
CMA3 2/31
CMA2 2/30
11C/1
11C/2
11C/3
11C/4
11C/5
11C/6
11C/7
11C/8
11C/9
11C/10
11C/11
11C/12
11C/13
11C/14
11C/15
11C/16
11C/17
11C/18
11C/19
11C/20
11C/21
11C/22
11C/23
11C/24
11C/25
11C/26
11C/27
11C/28
11C/29
11C/30
11C/31
11C/32
11C/33
11C/34
11C/35
11C/36
11C/37
11C/38
3/1
16/65:1
54/3RG
54/3RF
2/35:2
4/46
ECM
4/9
SRS
CAN
PETROL
3/93:1
3/94:1
4/56
CEM
2/61 CMI5
R
BL
BL-W
BL-R
SB
VO
Y
Y-W
R-SB

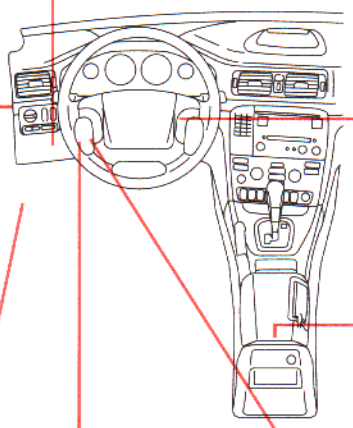
Electrical distribution

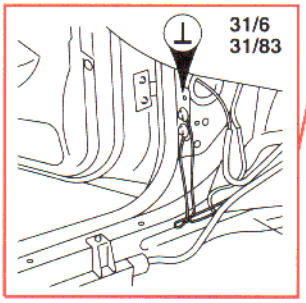


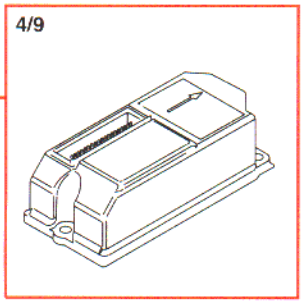

4/56
B
D
A
C
E
1
A B C D
10
11
20
E
5
8
1
4
2/63
2/30
2/31
2/61
20/27
CMA1
CMA2
CMA3
CMA4
CMI1
CMI2
CMI3
CMI4
CMI5
CMI6
CMI7
CMI8
CMI9
CMI10
CMI11
CMI12
CMI13
CMI14
CMI15
CMI16
CMI17
CMI18
CMI19
CMI20
CMI21
CMI22
CMI23
CMI24
CST1
CMI25
CSH1
CSH2
CSH3
CSH4
CSH5
CSH6

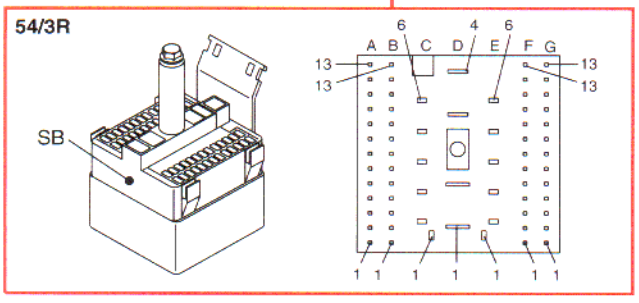

11C
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38

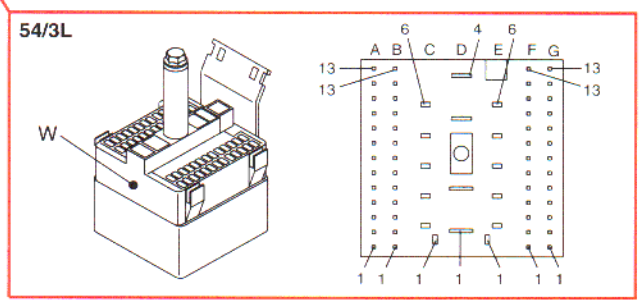

3/1
4 3 2 1
8 7 6 5
15 15 S 30
X 50 15I
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
Position
Terminal
30
15
15
X
15I
S
50
Key Out
0
I
II
III

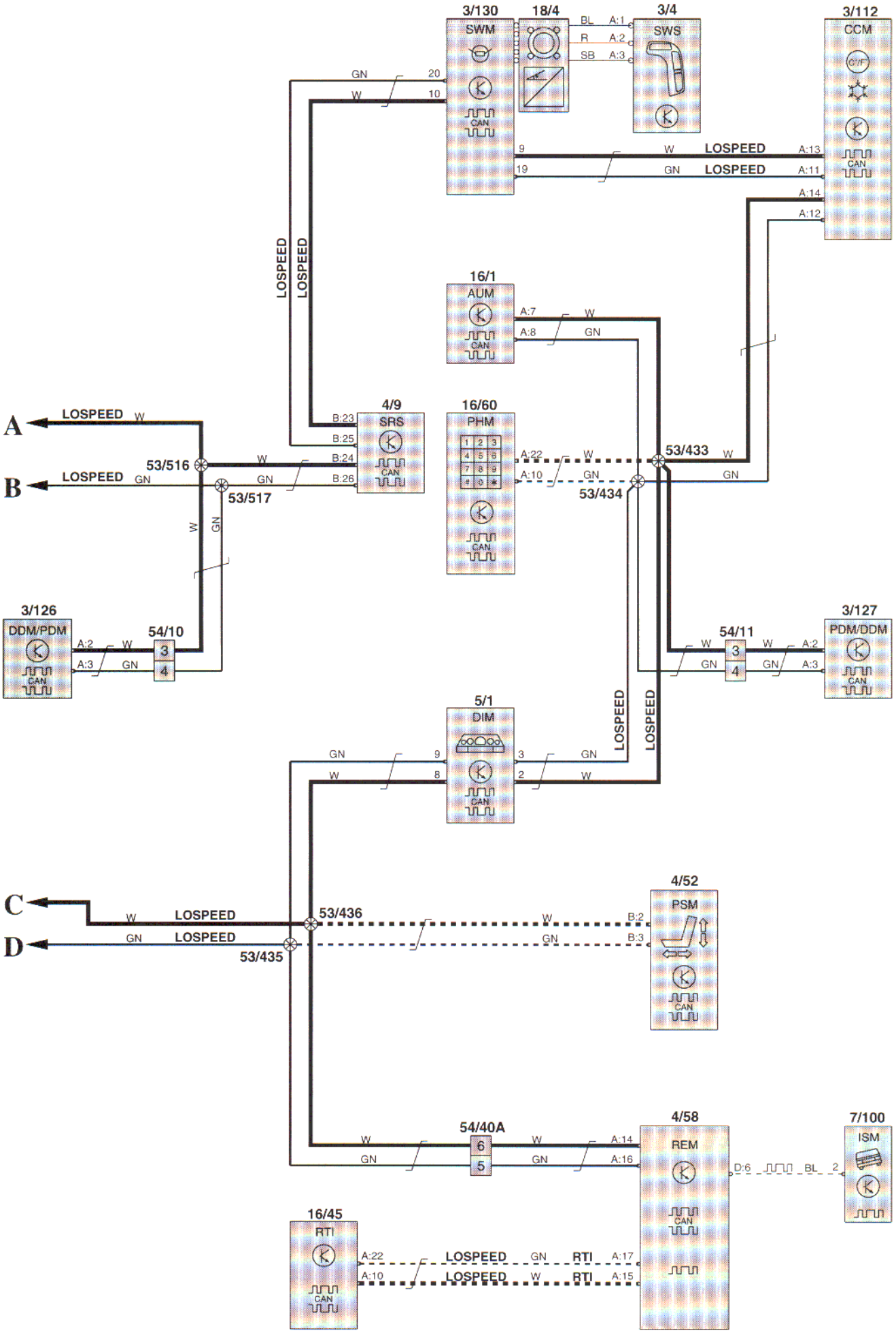



31/6
31/83

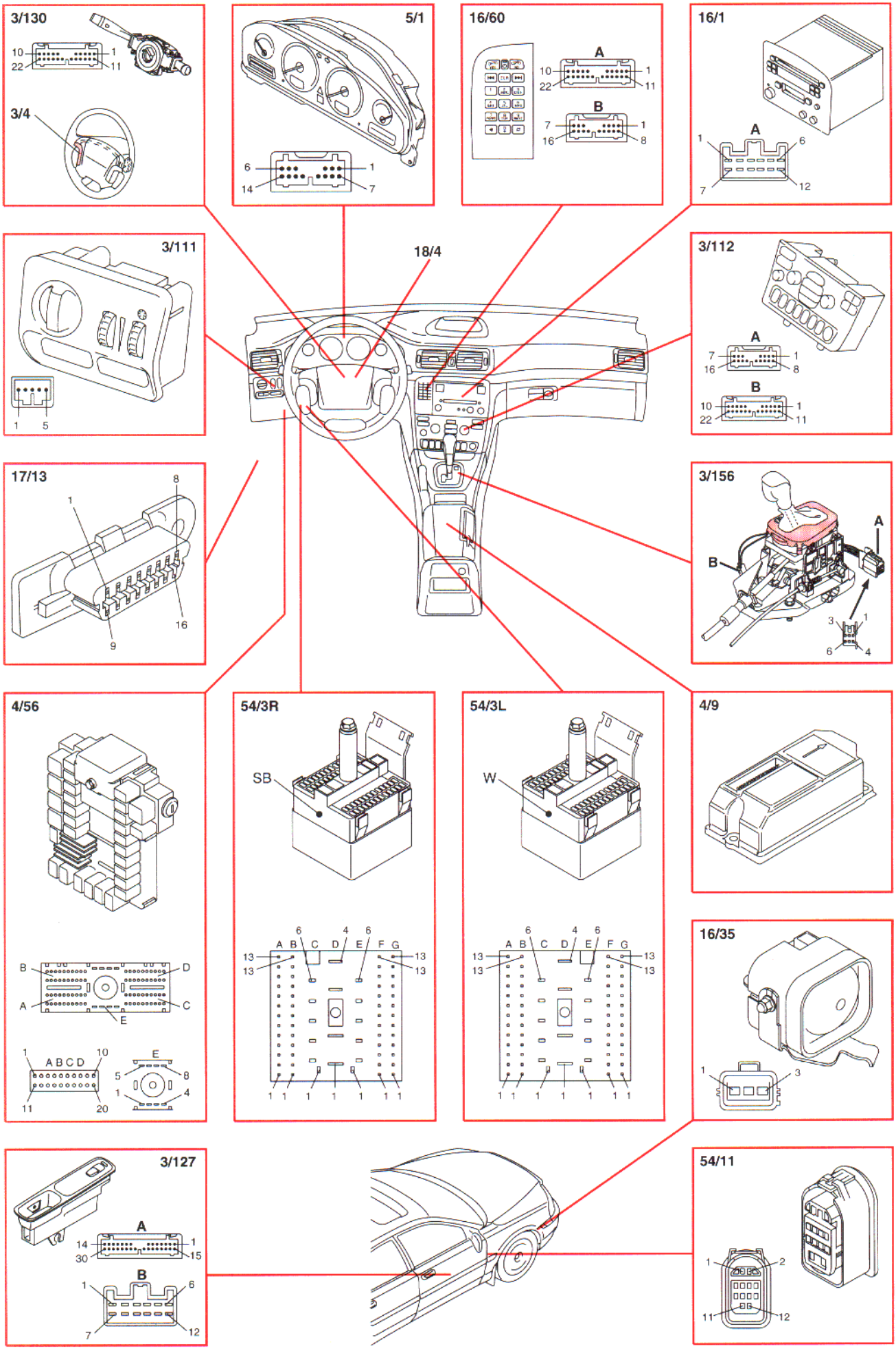

4/9

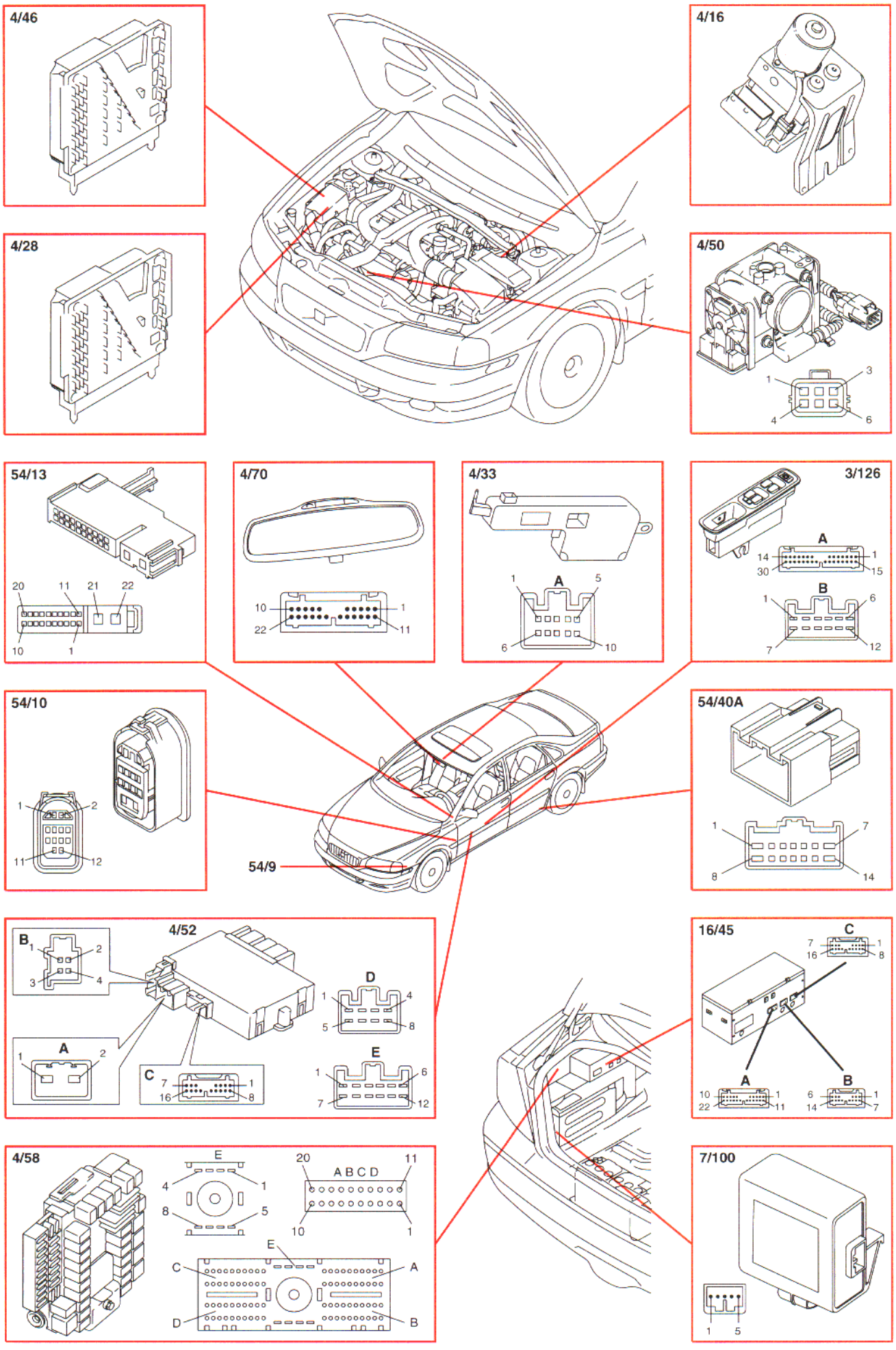

54/3R
SB
6
4
6
A B C D E F G
13
13
13
13
1 1 1 1 1 1 1


54/3L
W
6
4
6
A B C D E F G
13
13
13
13
1 1 1 1 1 1 1

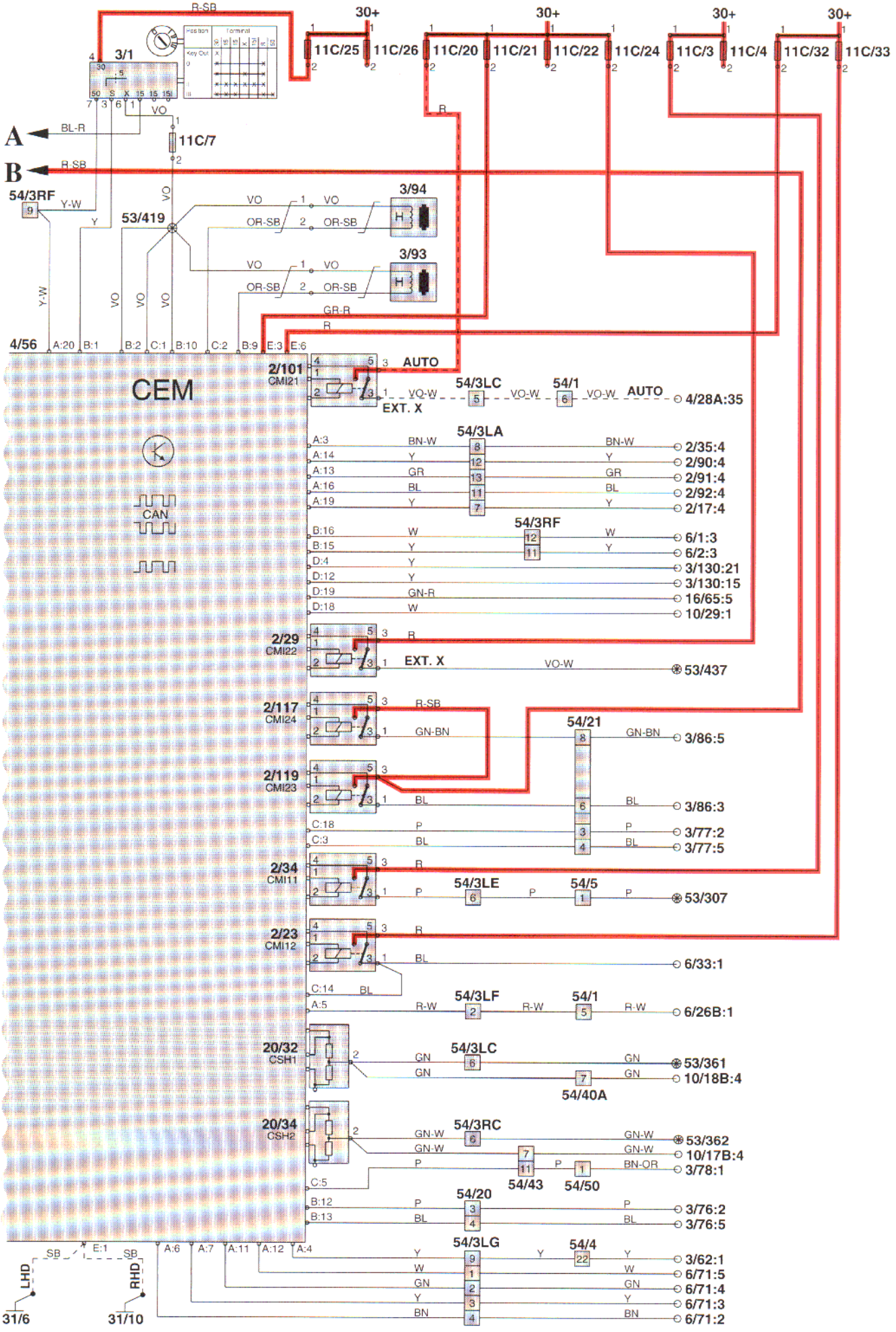

3/130
SWM
18/4
3/4
SWS
3/112
CCM
BL
R
SB
A:1
A:2
A:3
GN
W
20
10
9
19
LOSPEED
A:13
A:11
A:14
A:12
16/1
AUM
A:7
A:8
LOSPEED
LOSPEED
4/9
SRS
16/60
PHM
B:23
B:25
B:24
B:26
A:22
A:10
53/433
53/434
A
B
LOSPEED
53/516
53/517
3/126
DDM/PDM
54/10
54/11
3/127
PDM/DDM
5/1
DIM
C
D
53/436
53/435
4/52
PSM
B:2
B:3
54/40A
4/58
REM
7/100
ISM
D:6
BL
2
16/45
RTI
A:22
A:10
A:17
A:15

Data communication

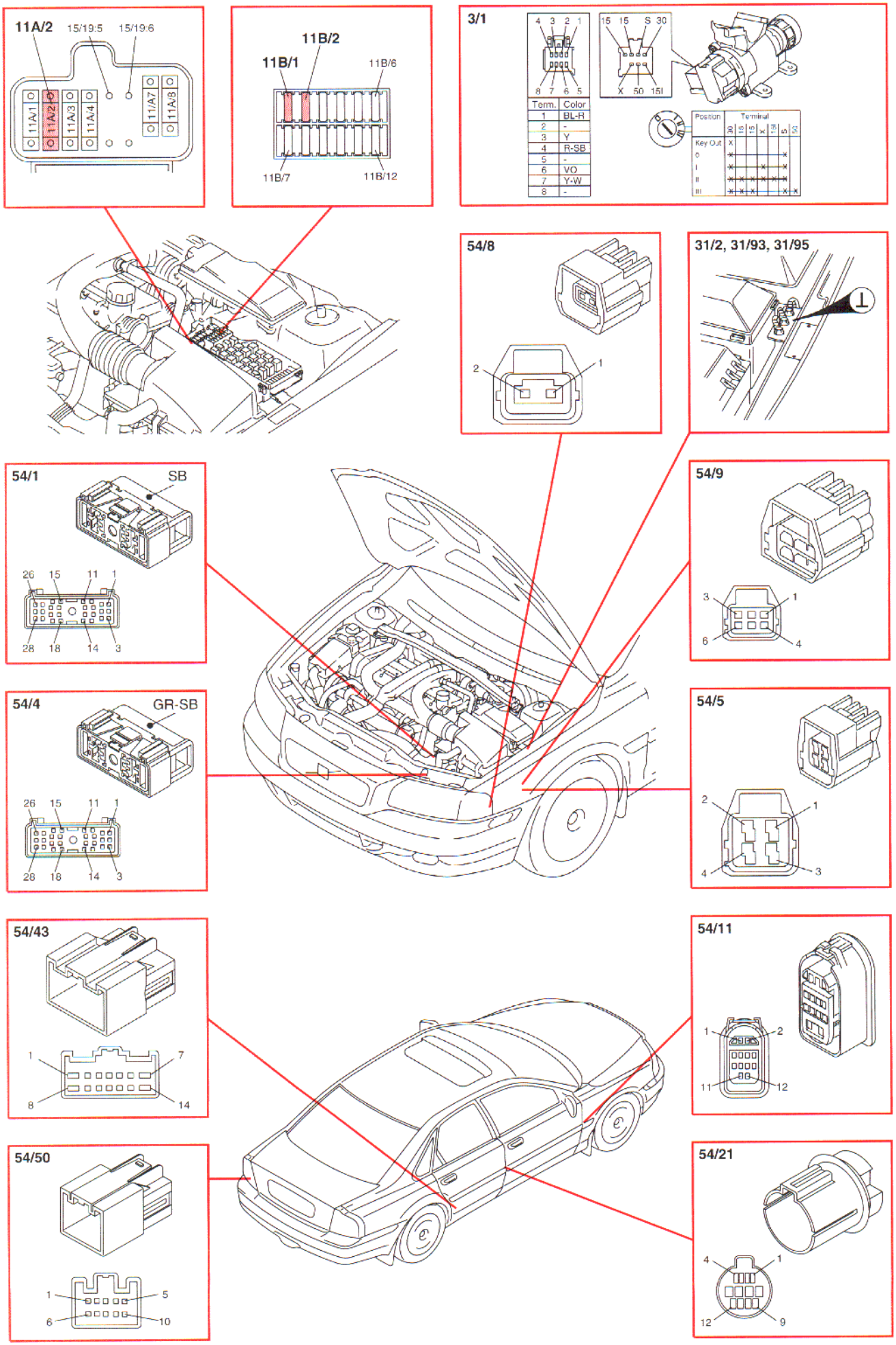



4/46
4/16
4/28
4/50
54/13
4/70
4/33
3/126
54/10
54/9
54/40A
4/52
16/45
4/58
7/100

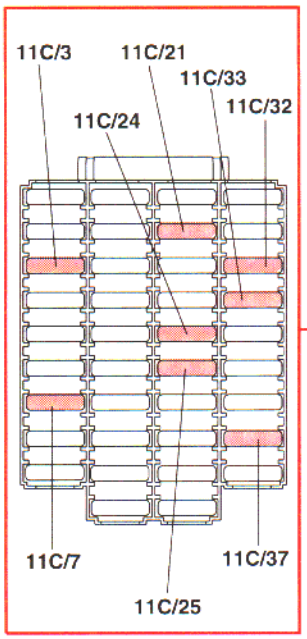
Electronic connection
Central electronic module (CEM)

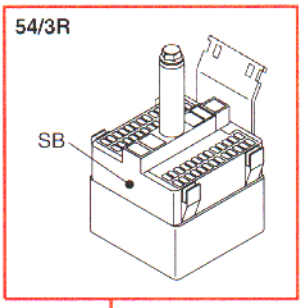


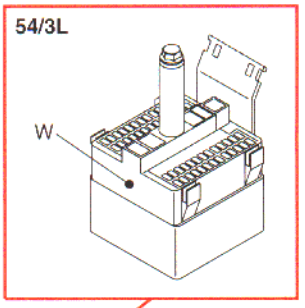
Electronic connection
Central electronic module (CEM)

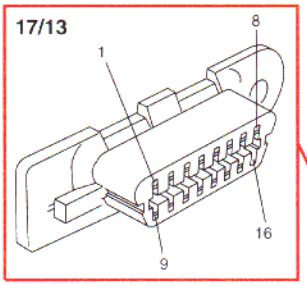


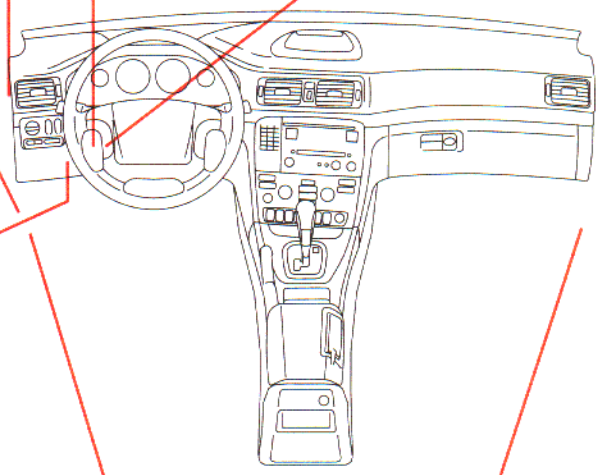
Electronic connection
Central electronic module (CEM)

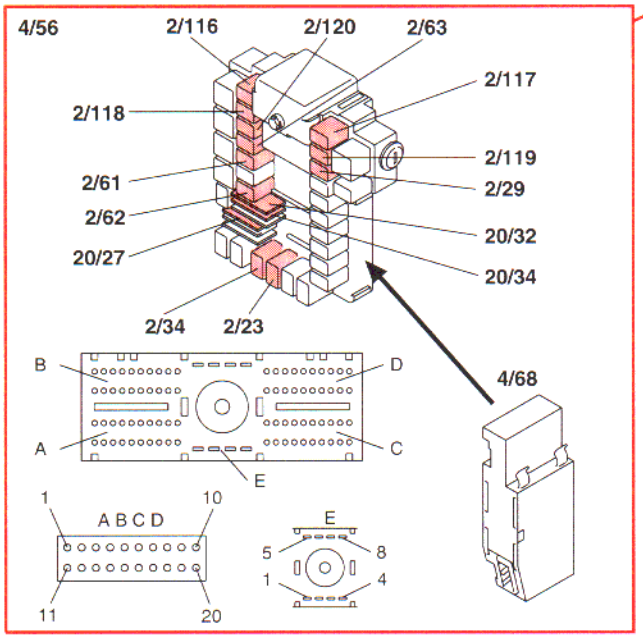


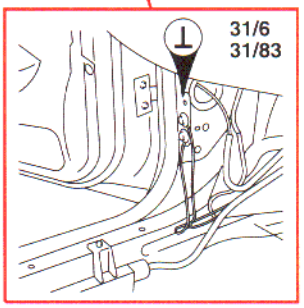


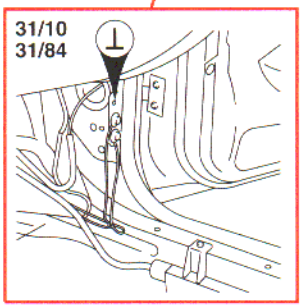


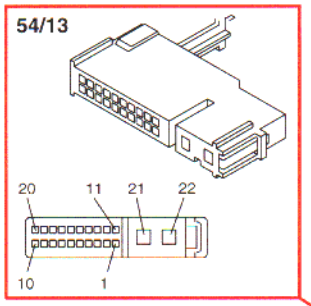


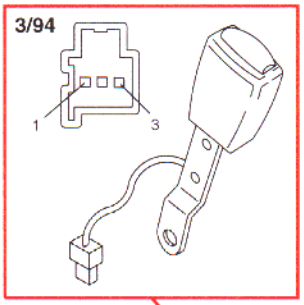


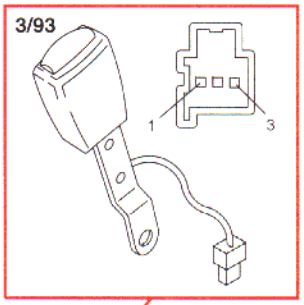


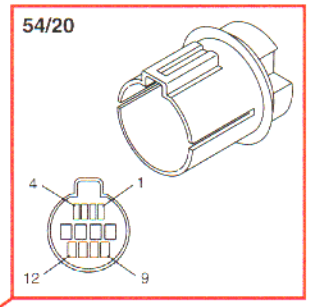


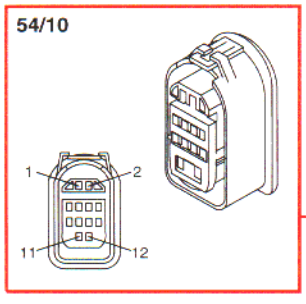


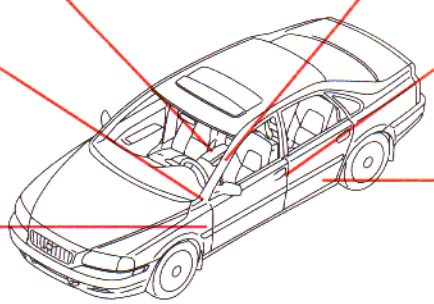


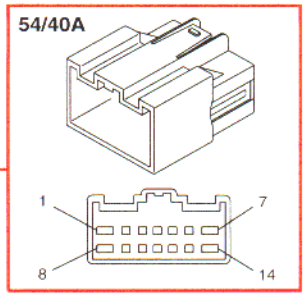




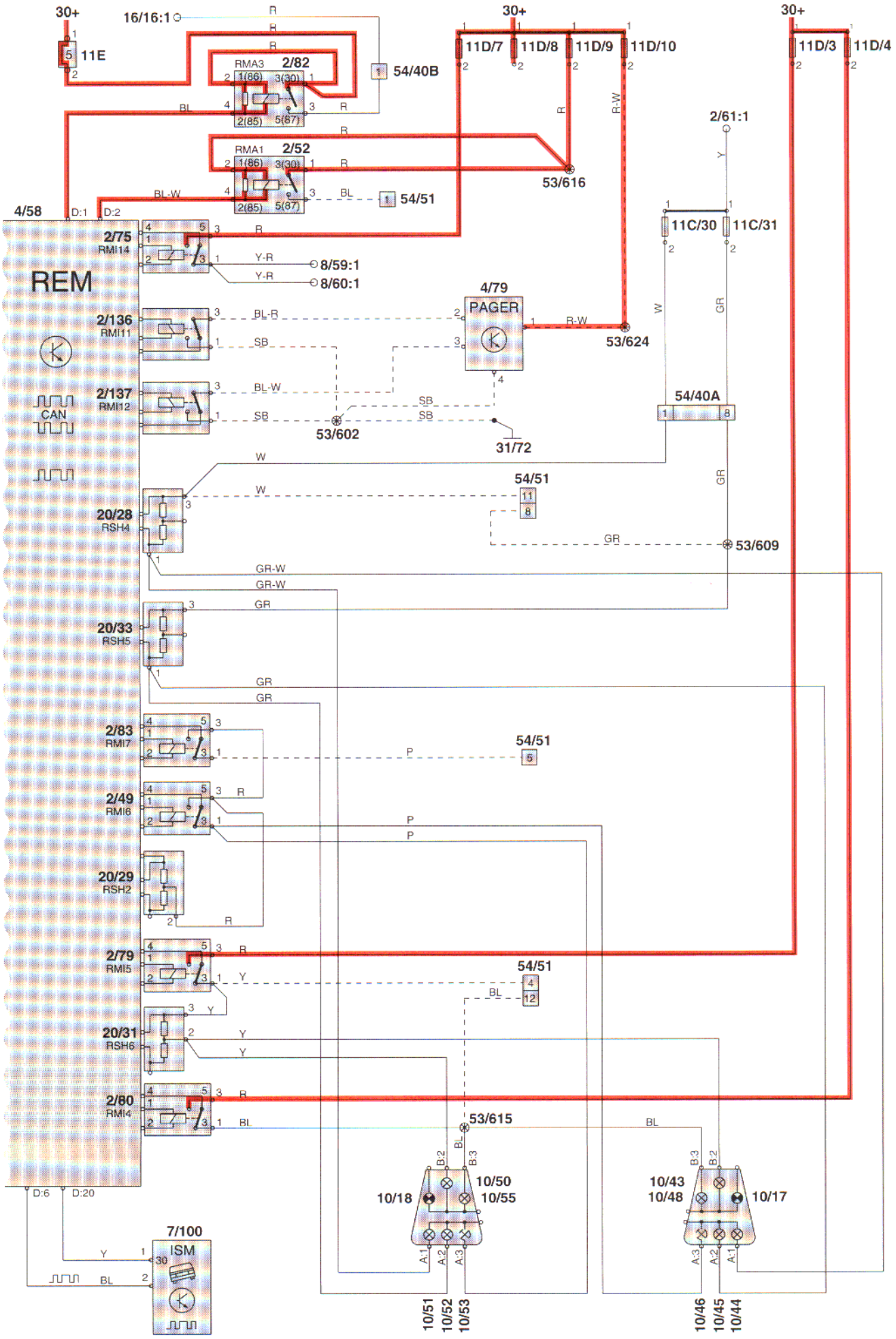




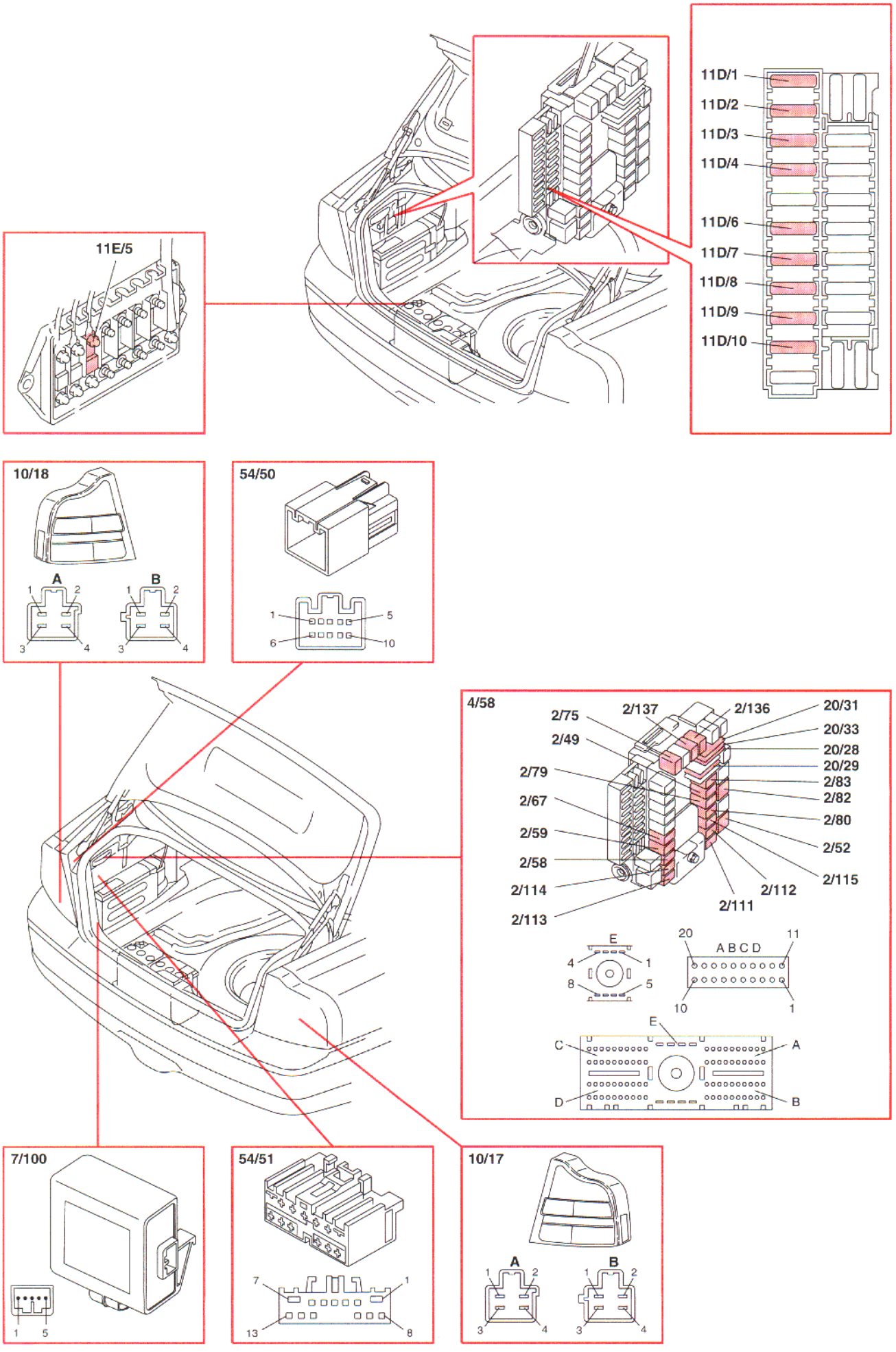




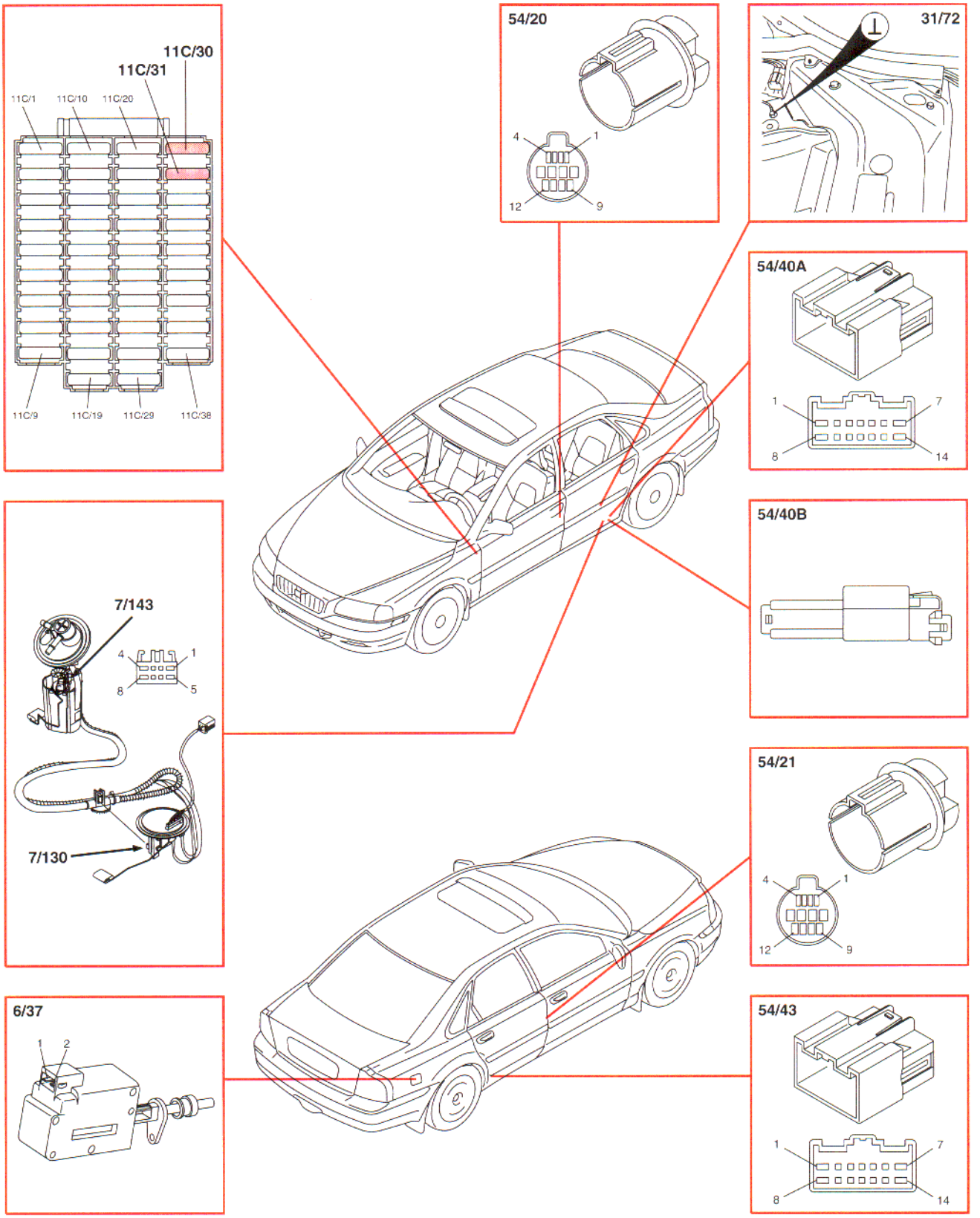
Electronic connection
Rear electronic module (REM)



Electronic connection
Rear electronic module (REM)



Electronic connection
Rear electronic module (REM)



Fuses, 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

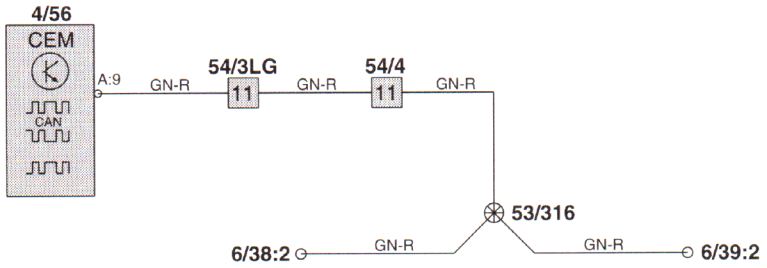
Passenger compartment fuses

Fuses, 11C, in the fusebox

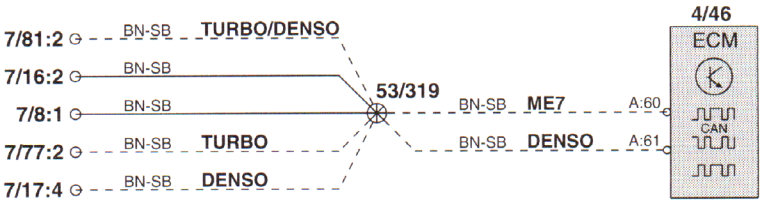
No.	Fuse function	A
1	Left low beam	10
2	Right low beam	10
3	Front fog lamps	15
4	Power driver's seat	30
5	Power passenger seat	30
6	-	
7	Central electronic module (CEM), Overload relay X+, SRS control module, Seat belt buckle electric switch	5
8	Heated seats	25
9	ABS braking system, Control module for 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)

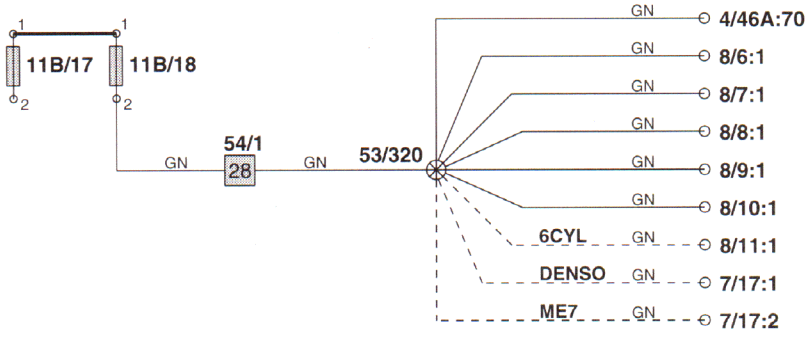
53/316



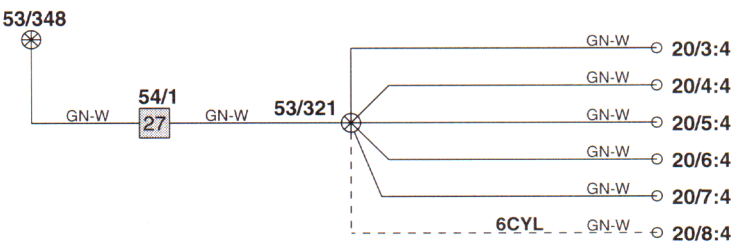
53/319
DENSO/ME7



53/320
DENSO/ME7



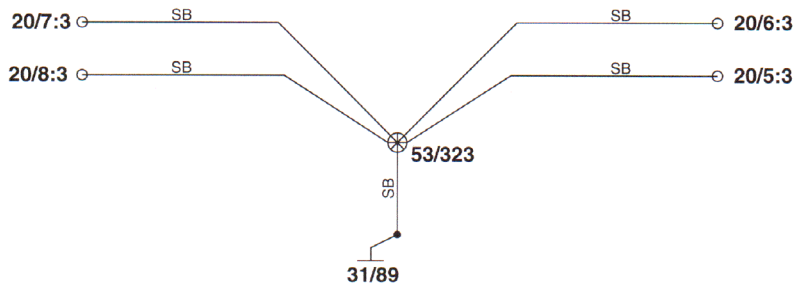
53/321



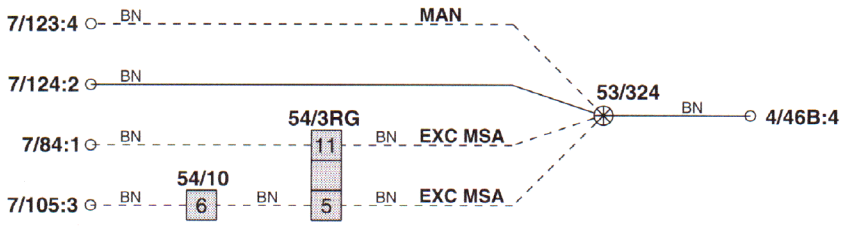
Junction points

53/323 (Cable harness engine)
53/324 (Cable harness engine compartment)
53/325 (Cable harness engine)
53/326 (Cable harness engine)

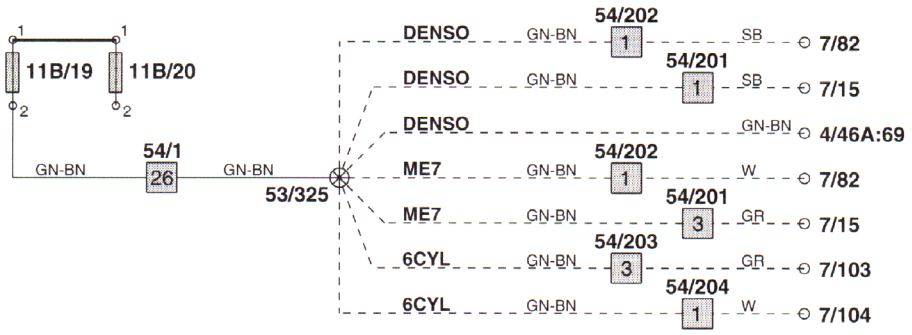
53/323
6CYL



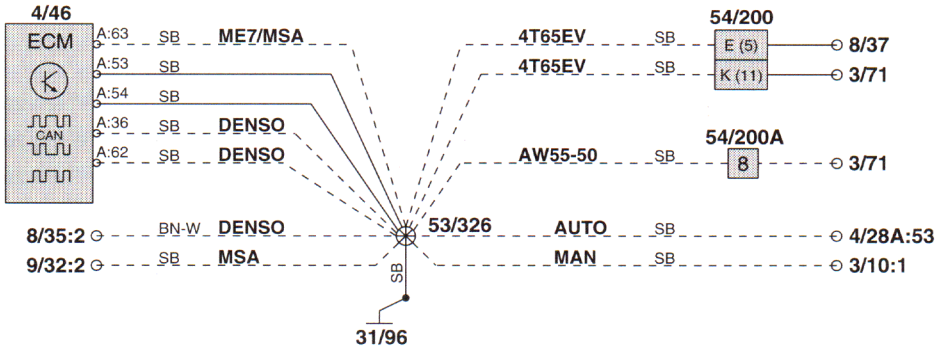
53/324



53/325

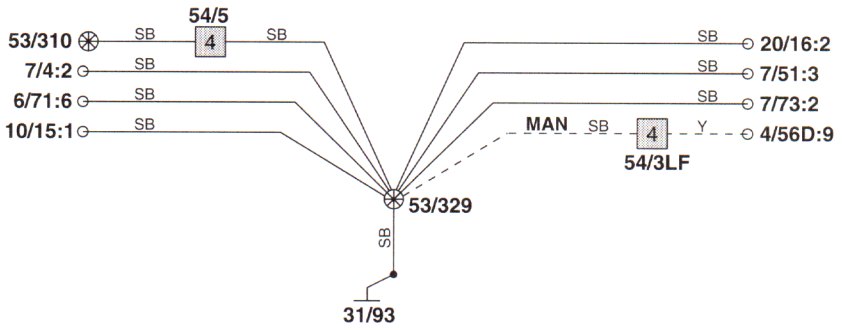


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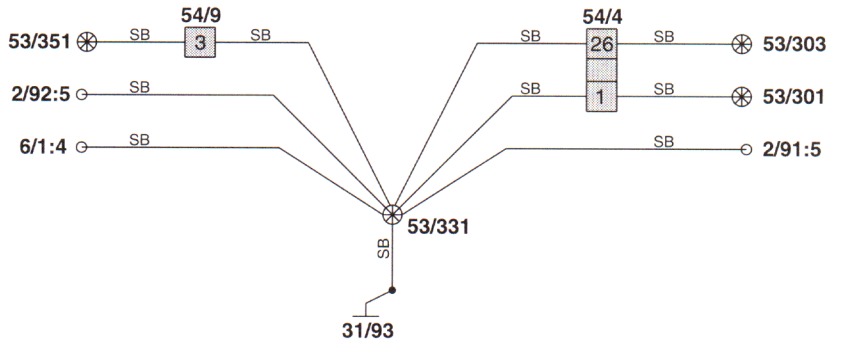


53/329 (Cable harness engine compartment)
53/331 (Cable harness engine compartment)
53/332 (Cable harness engine)
53/334 (Cable harness front)

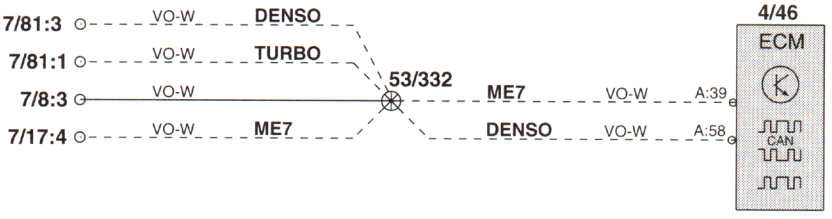
53/329



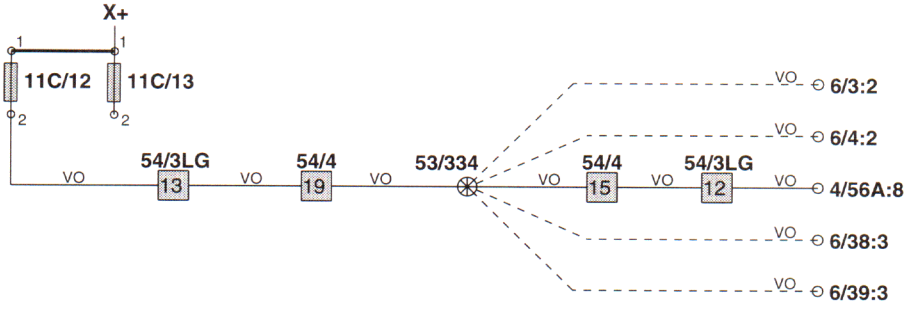
53/331



53/332
DENSO/ME7



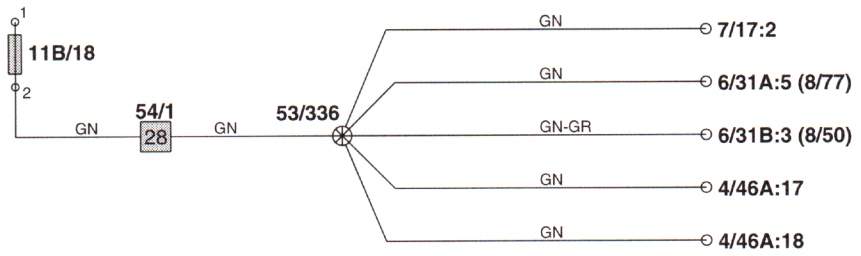
53/334



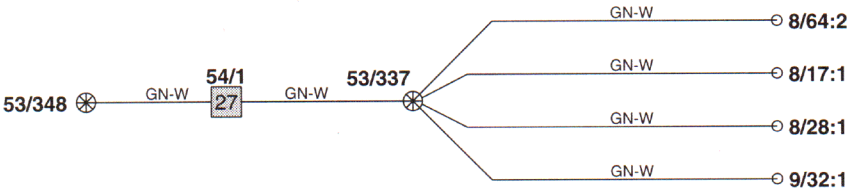
Junction points

53/336 (Cable harness engine)
53/337 (Cable harness engine)
53/347 (Cable harness additional heater)
53/348 (Cable harness engine compartment)

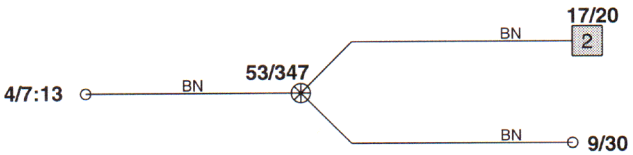
53/336
MSA



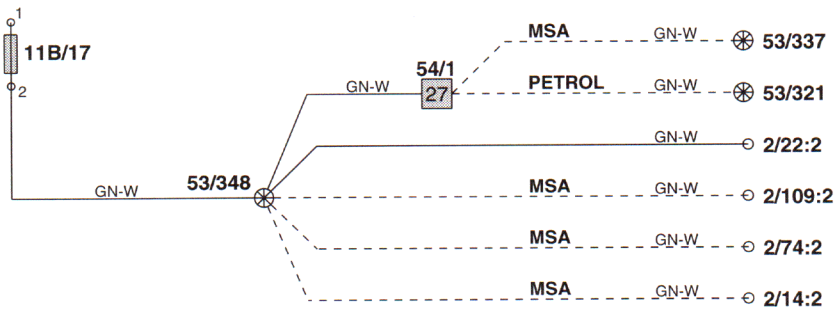
53/337
MSA



53/347

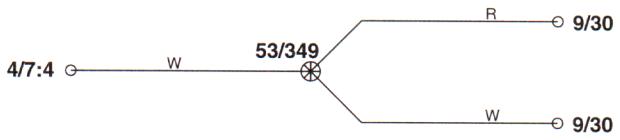


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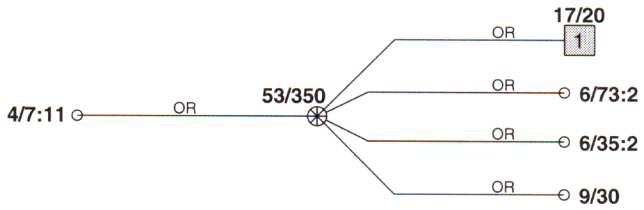


53/349 (Cable harness additional heater)
53/350 (Cable harness additional heater)
53/351 (Cable harness additional heater)
53/352 (Cable harness engine compartment)

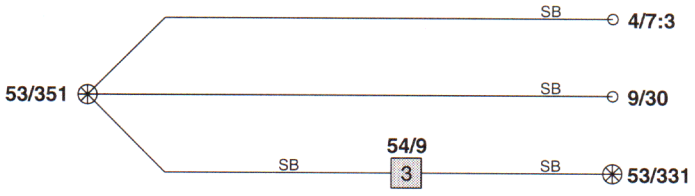
53/349



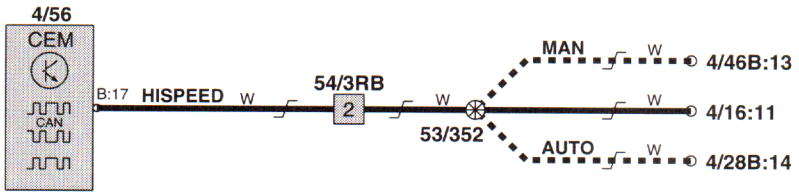
53/350



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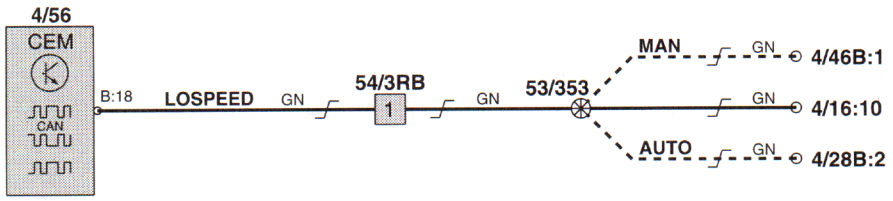
53/352



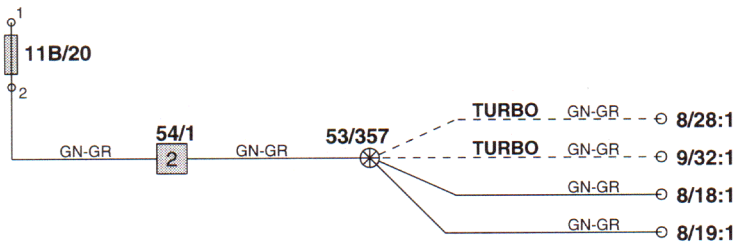
Junction points

53/353 (Cable harness engine compartment)
53/357 (Cable harness engine)
53/358 (Cable harness front)
53/360 (Cable harness engine)

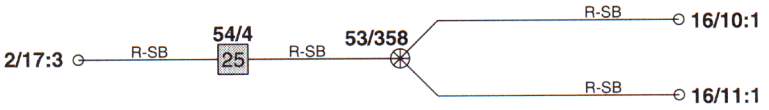
53/353



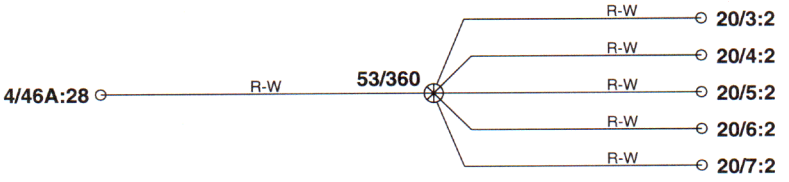
53/357
DENSO/ME7



53/358

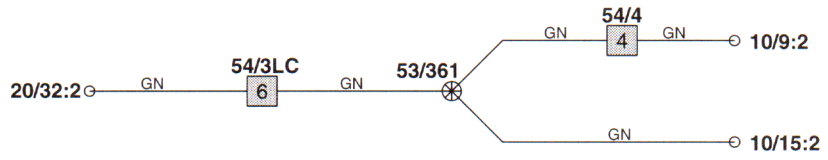


53/360
DENSO

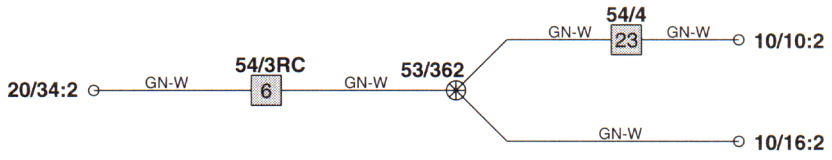


53/361 (Cable harness engine compartment)
53/362 (Cable harness engine compartment)
53/365 (Cable harness engine compartment)
53/400 (Cable harness passenger compartment)

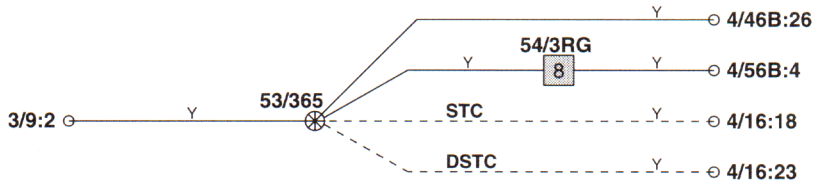
53/361



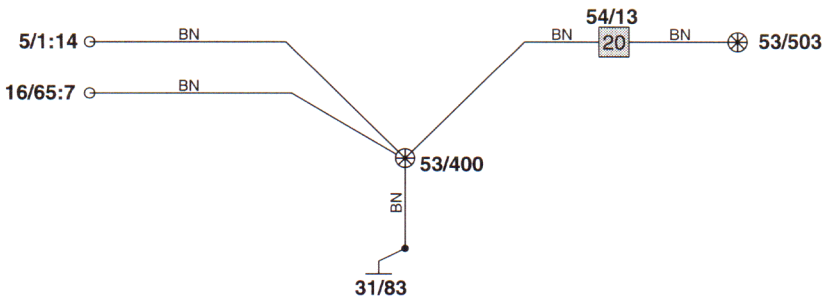
53/362



53/365

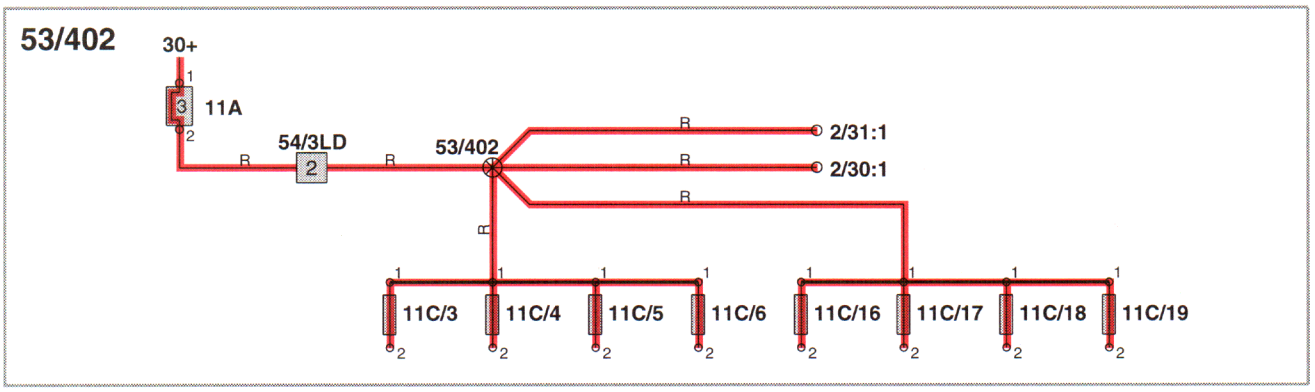


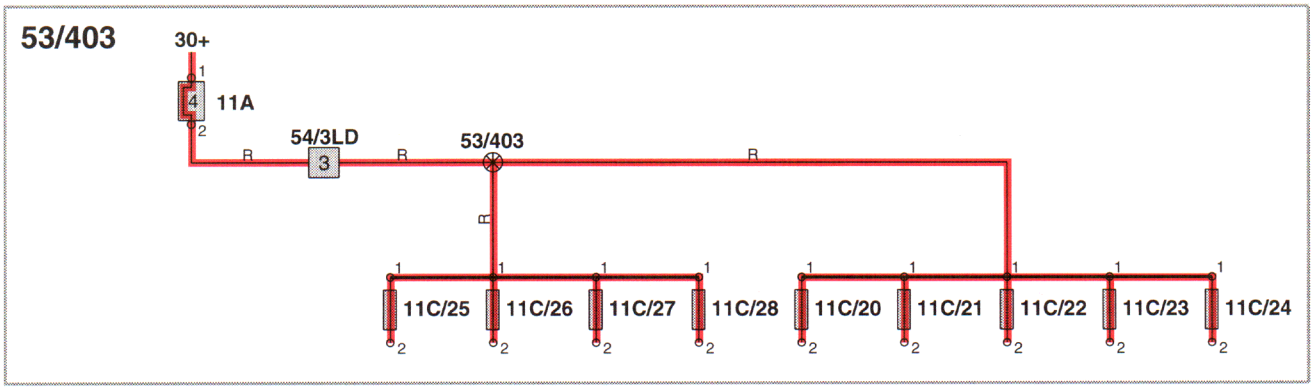
53/400

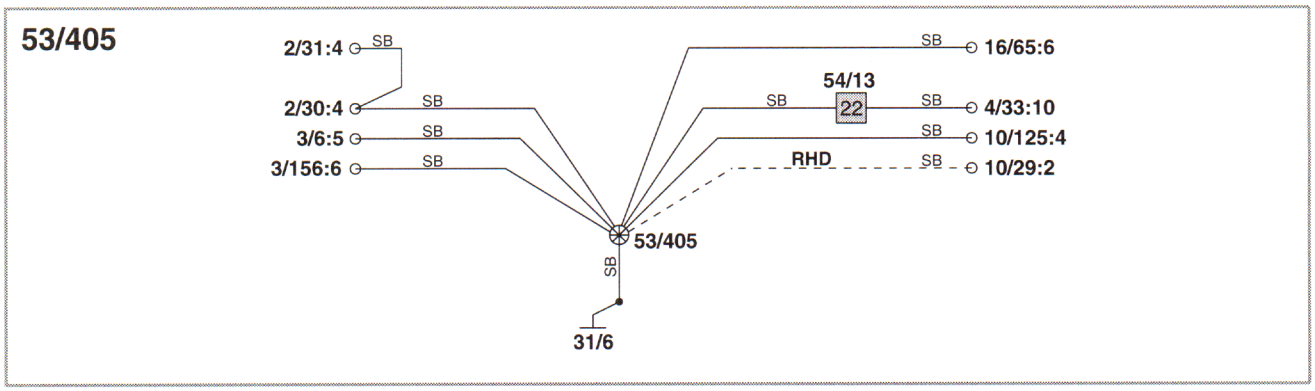


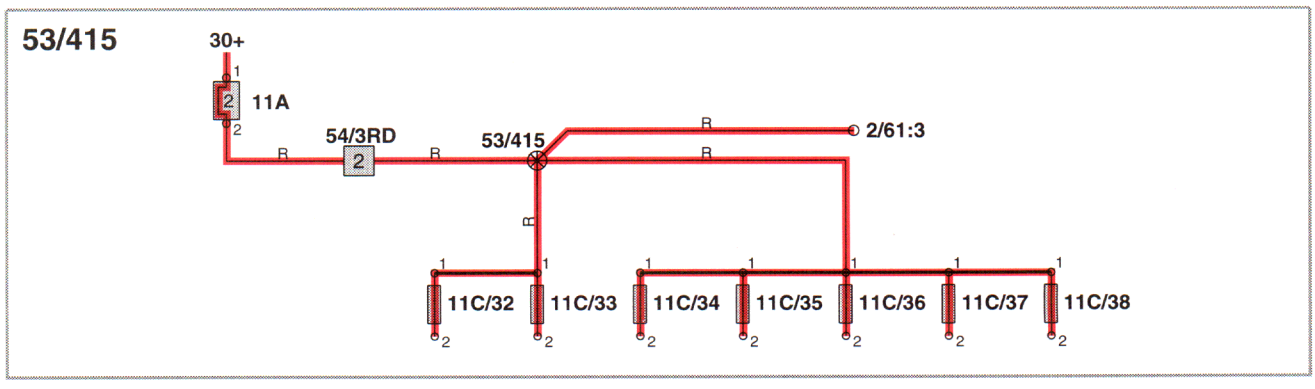
Junction points

53/402 (Cable harness passenger compartment)
53/403 (Cable harness engine)
53/405 (Cable harness passenger compartment)
53/415 (Cable harness passenger compartment)



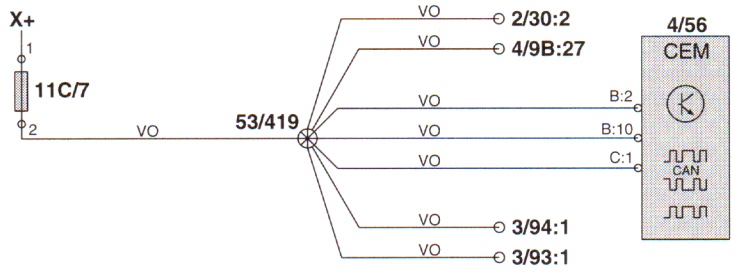




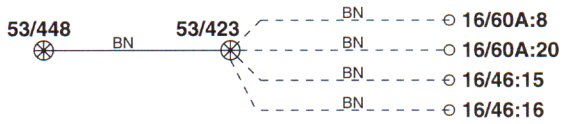


53/419 (Cable harness passenger compartment)
53/423 (Cable harness passenger compartment)
53/425 (Cable harness passenger compartment)
53/427 (Cable harness passenger compartment)

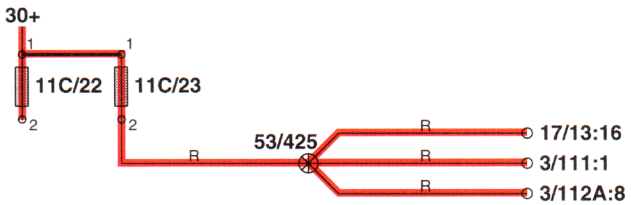
53/419



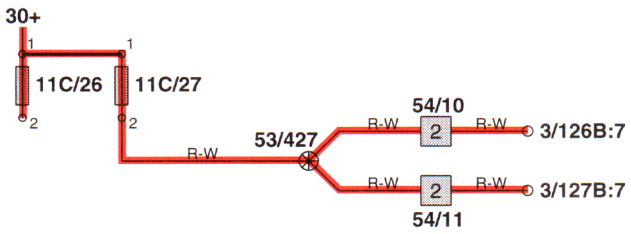
53/423



53/425



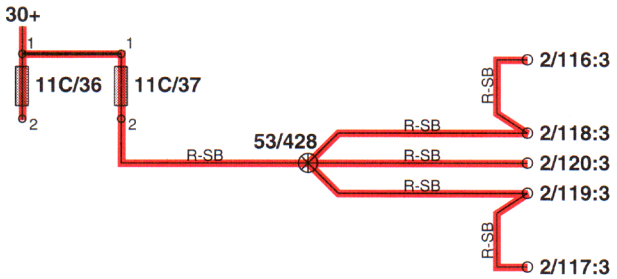
53/427



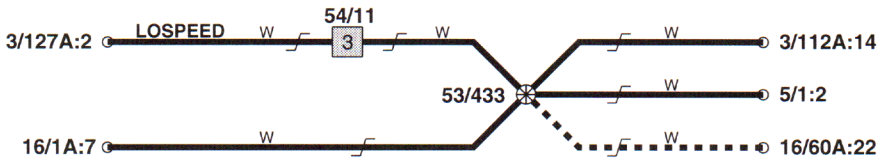
Junction points

53/428 (Cable harness passenger compartment)
53/433 (Cable harness passenger compartment)
53/434 (Cable harness passenger compartment)
53/435 (Cable harness passenger compartment)

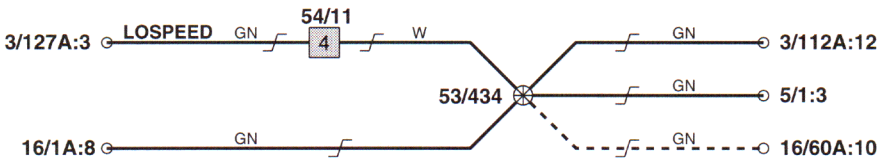
53/428



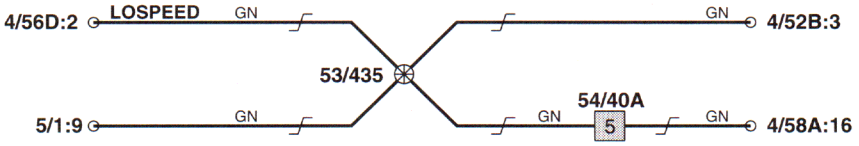
53/433



53/434

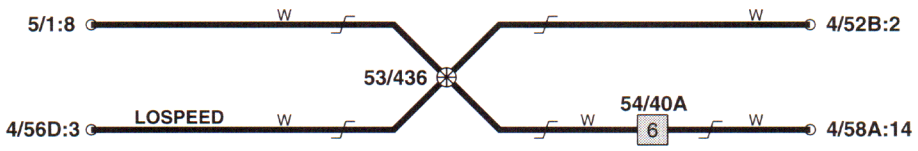


53/435

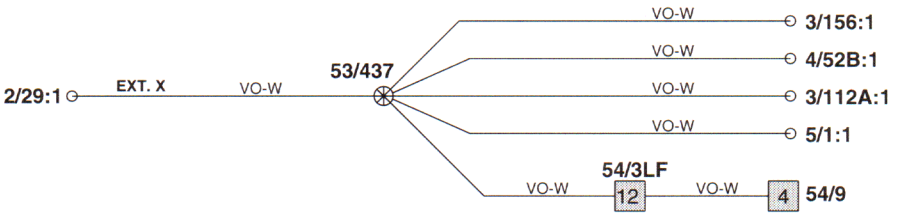


53/436 (Cable harness passenger compartment)
53/437 (Cable harness passenger compartment)
53/438 (Cable harness passenger compartment)
53/443 (Cable harness passenger compartment)

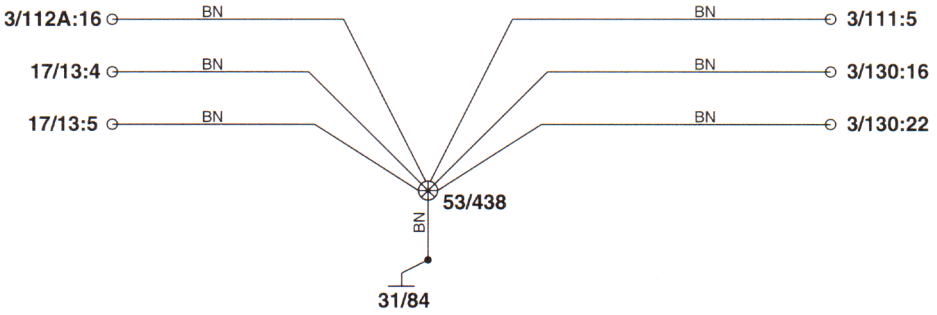
53/436



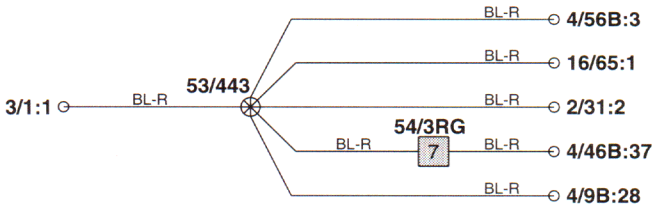
53/437



53/438



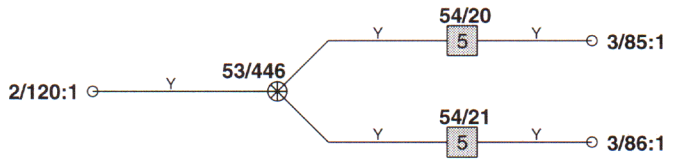
53/443



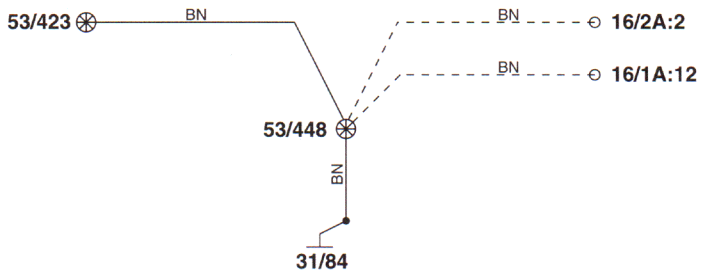
Junction points

53/446 (Cable harness passenger compartment)
53/448 (Cable harness passenger compartment)
53/500 (Cable harness passenger compartment)
53/501 (Cable harness passenger compartment)

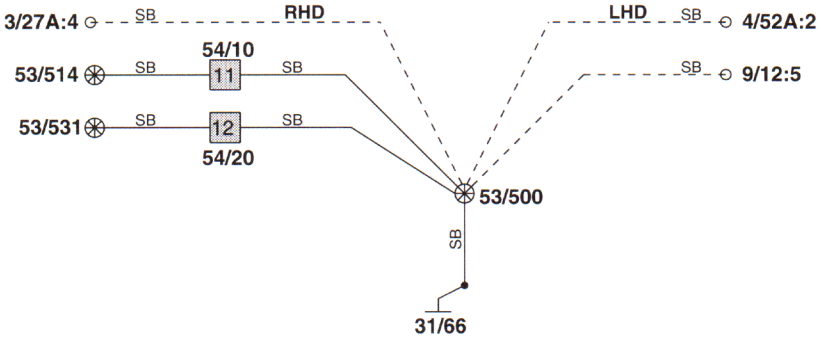
53/446



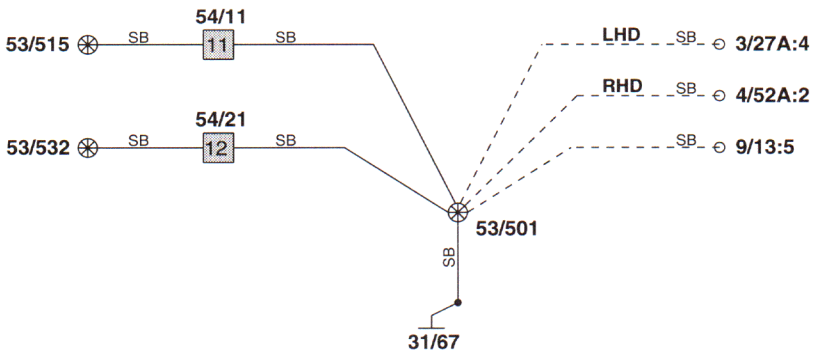
53/448



53/500

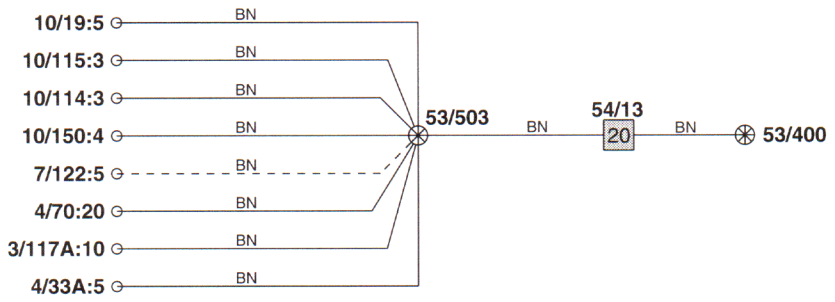


53/501

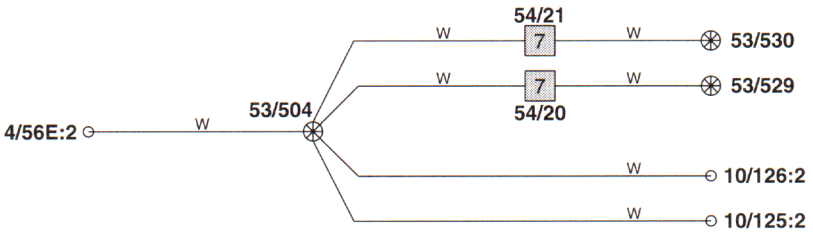


53/503 (Cable harness roof)
53/504 (Cable harness passenger compartment)
53/505 (Cable harness roof)
53/510 (Cable harness passenger compartment)

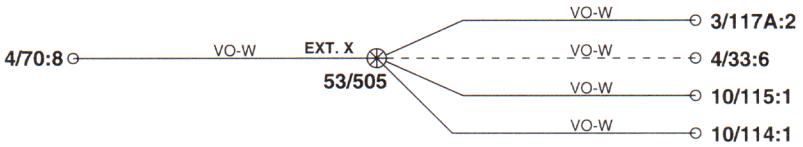
53/503



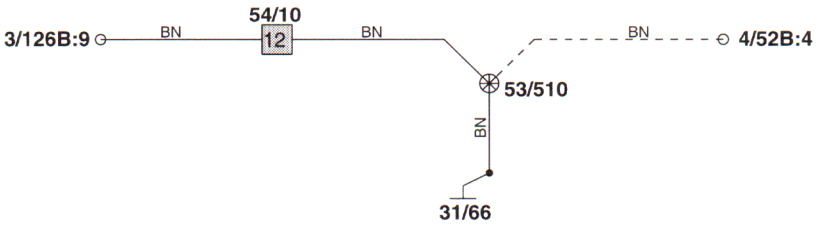
53/504



53/505



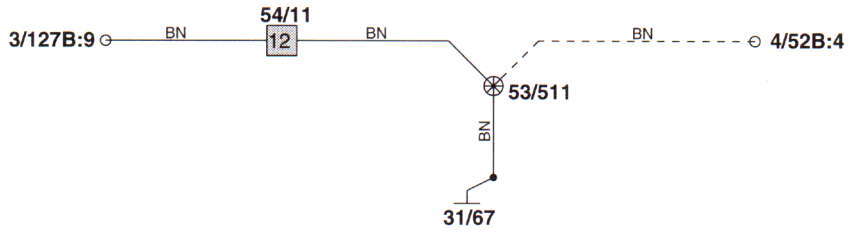
53/510



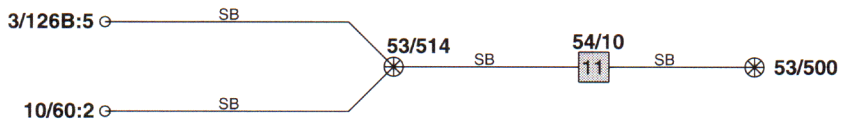
Junction points

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)

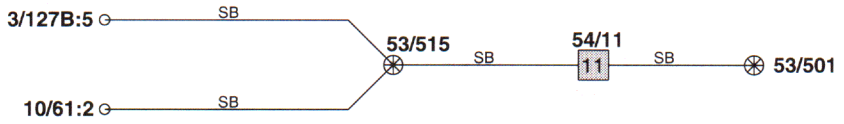
53/511



53/514



53/515

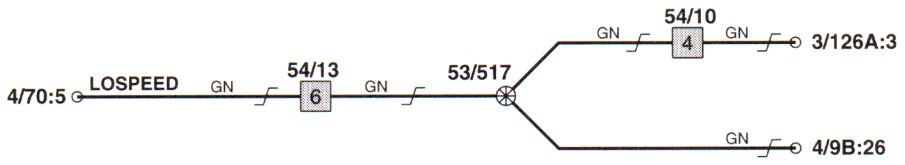


53/516

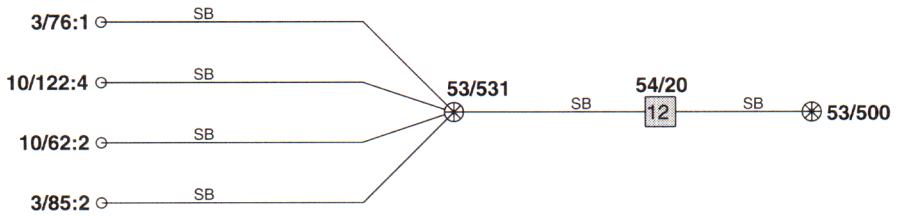


53/517 (Cable harness passenger compartment)
53/531 (Cable harness left rear door)
53/532 (Cable harness right rear door)
53/533 (Cable harness roof)

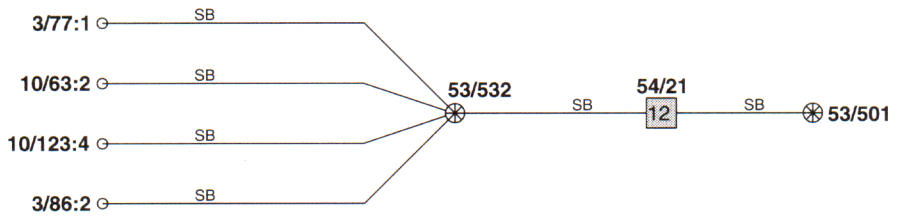
53/517



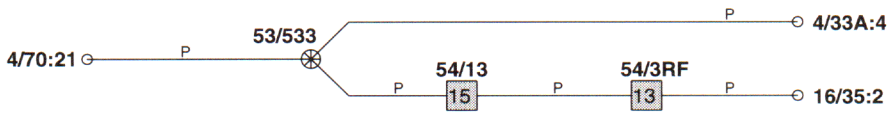
53/531



53/532



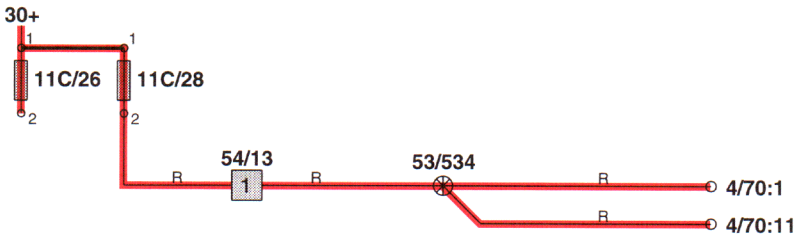
53/533



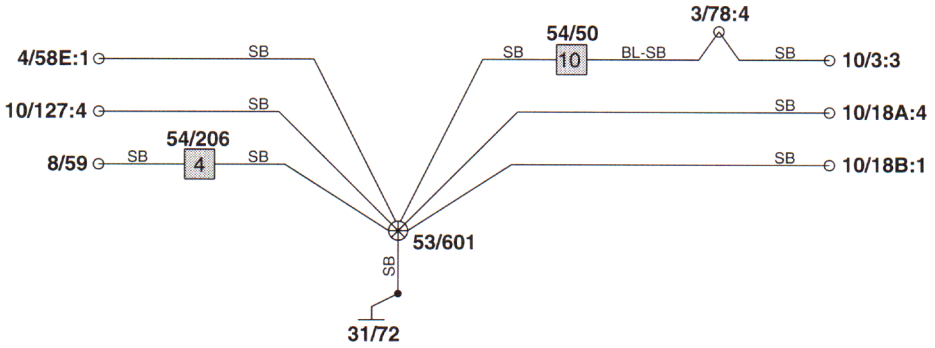
Junction points

53/534 (Cable harness roof)
53/601 (Cable harness cargo compartment)
53/602 (Cable harness cargo compartment)
53/604 (Cable harness cargo compartment)

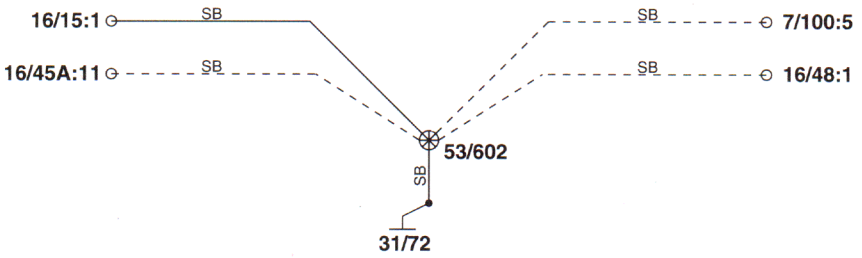
53/534



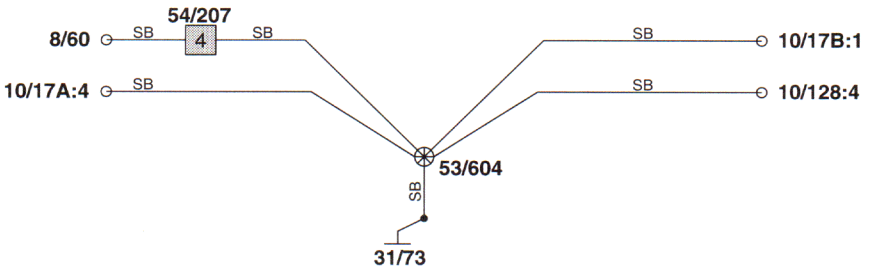
53/601



53/602

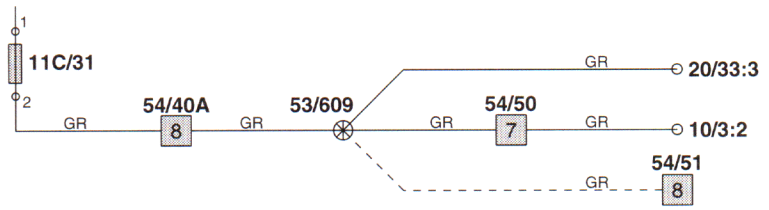


53/604

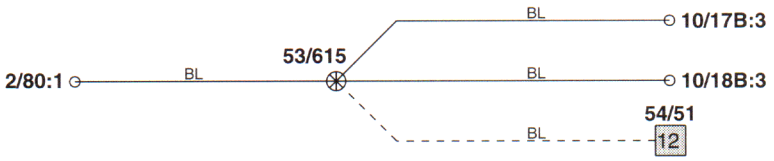


53/609 (Cable harness cargo compartment)
53/615 (Cable harness cargo compartment)
53/616 (Cable harness cargo compartment)
53/624 (Cable harness cargo compartment)
53/625 (Cable harness cargo compartment)

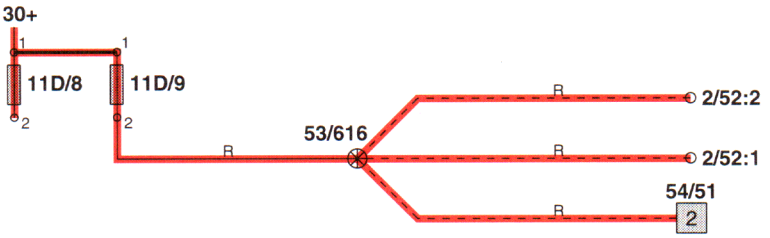
53/609



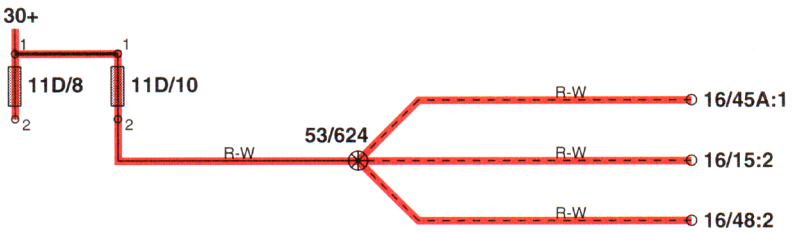
53/615



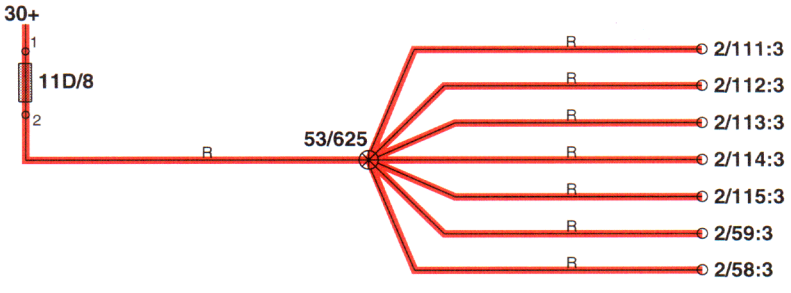
53/616



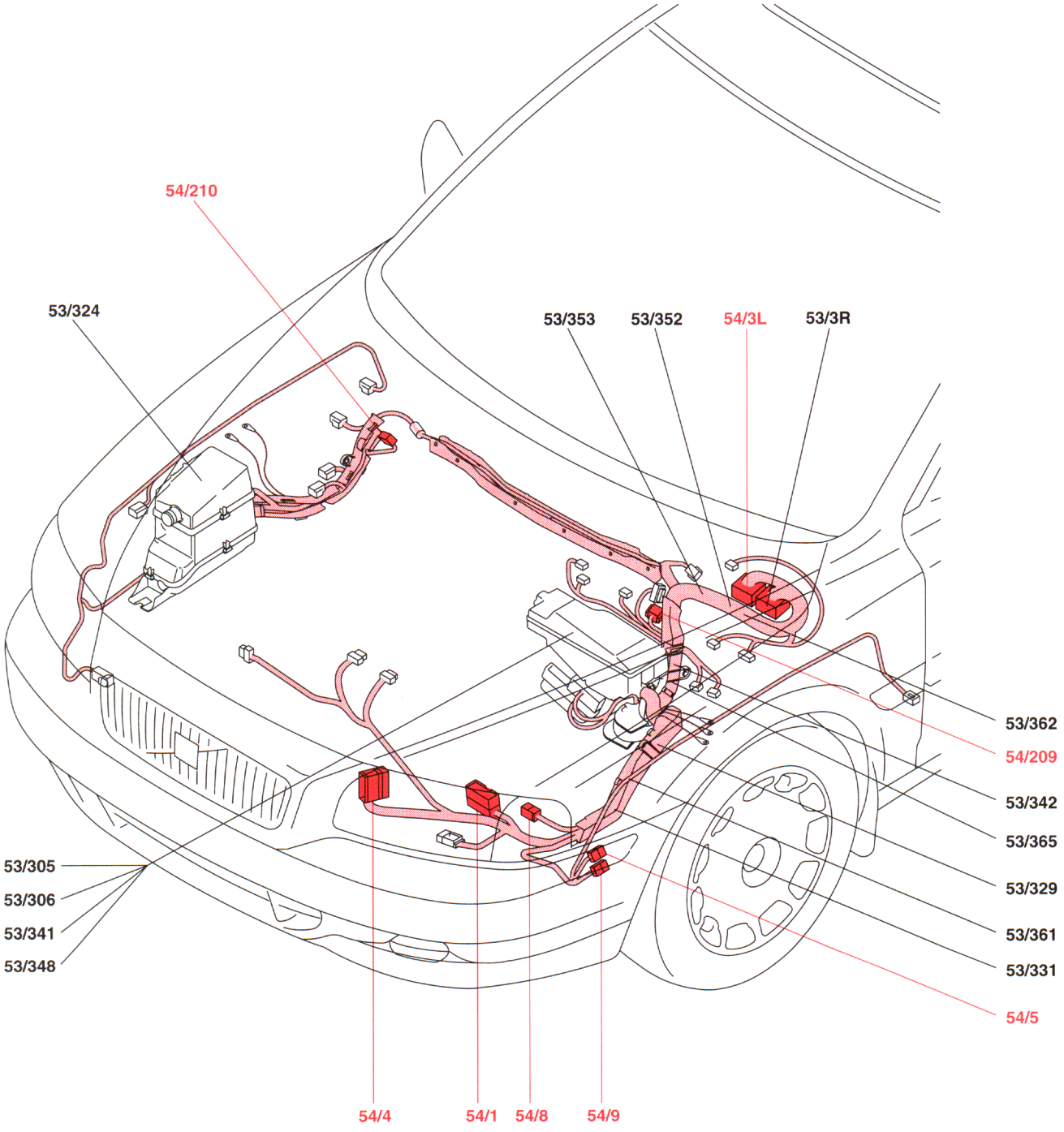
53/624



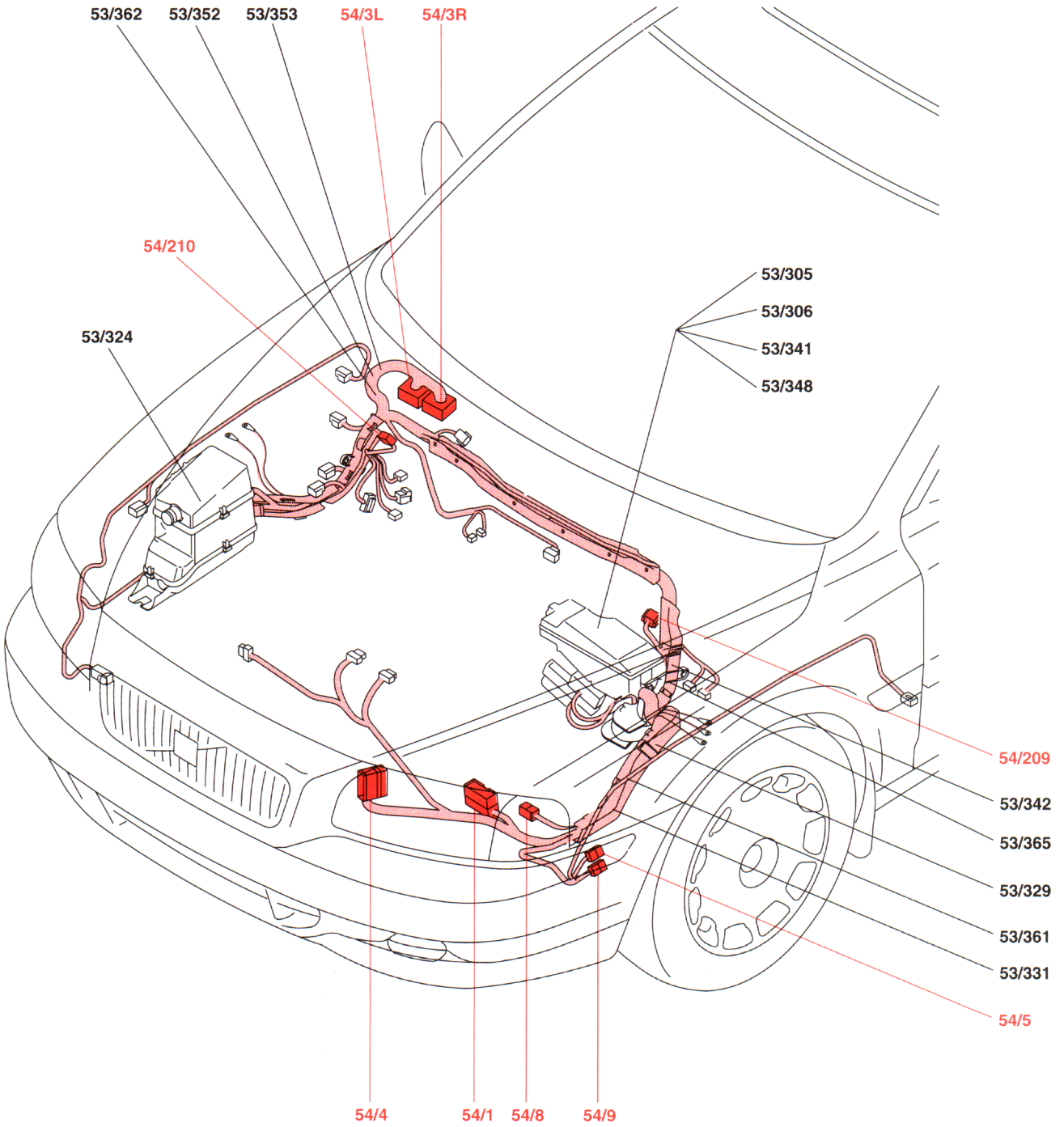
53/625



Engine compartment cable harness (LHD)

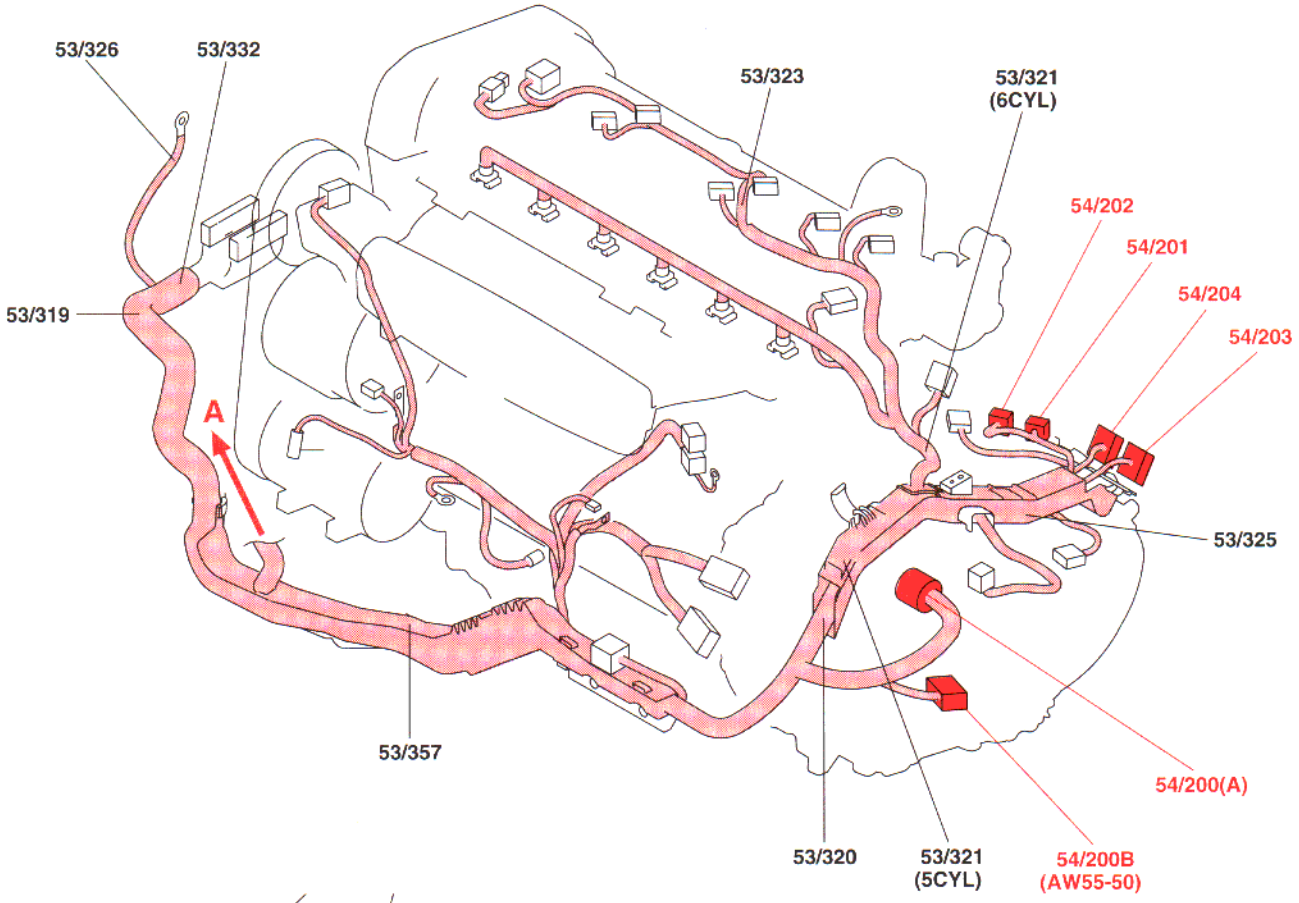


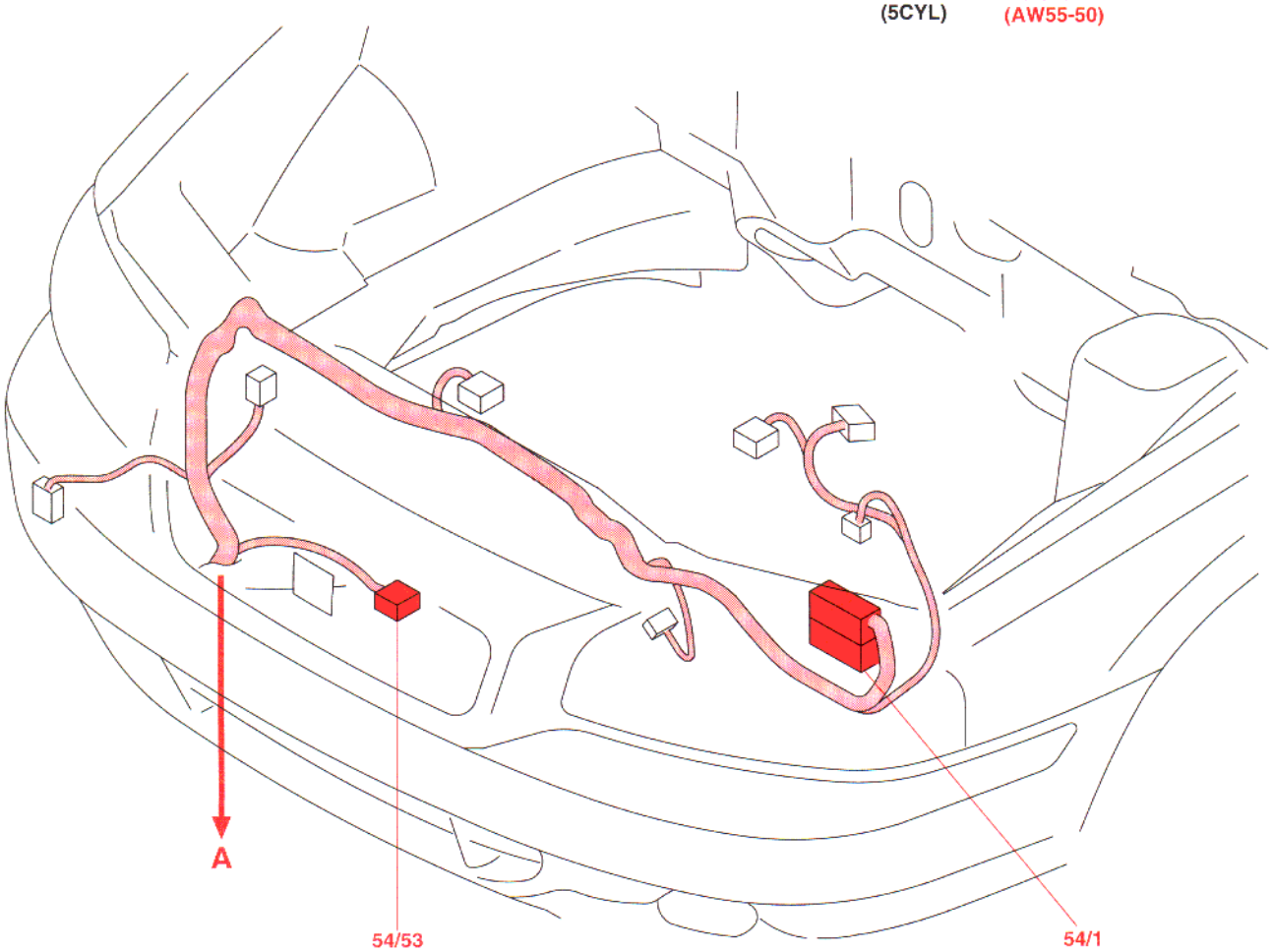
Engine compartment cable harness (RHD)



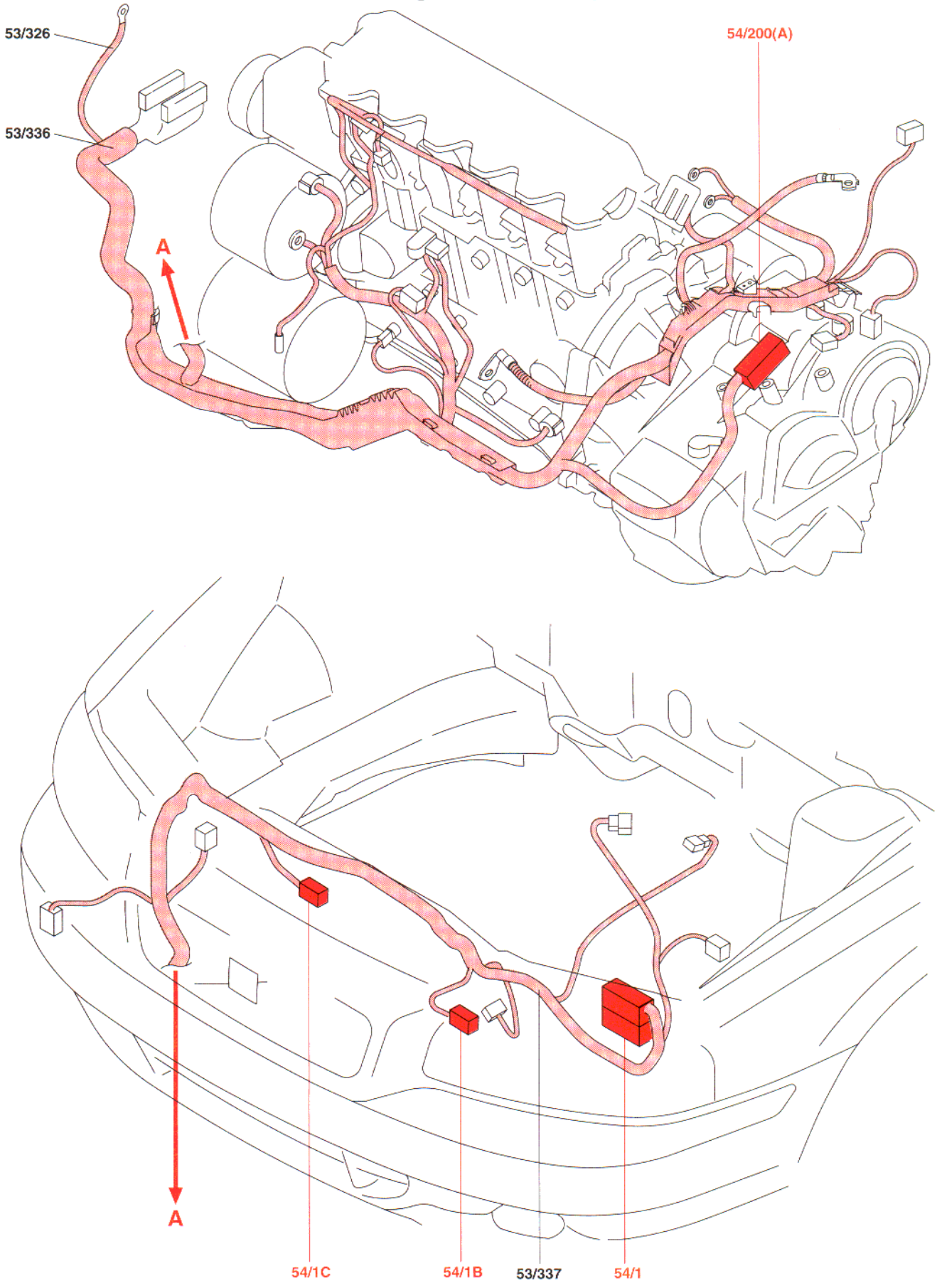
Routing of cable harnesses in the car

Engine cable harness (DENSO/ME7)



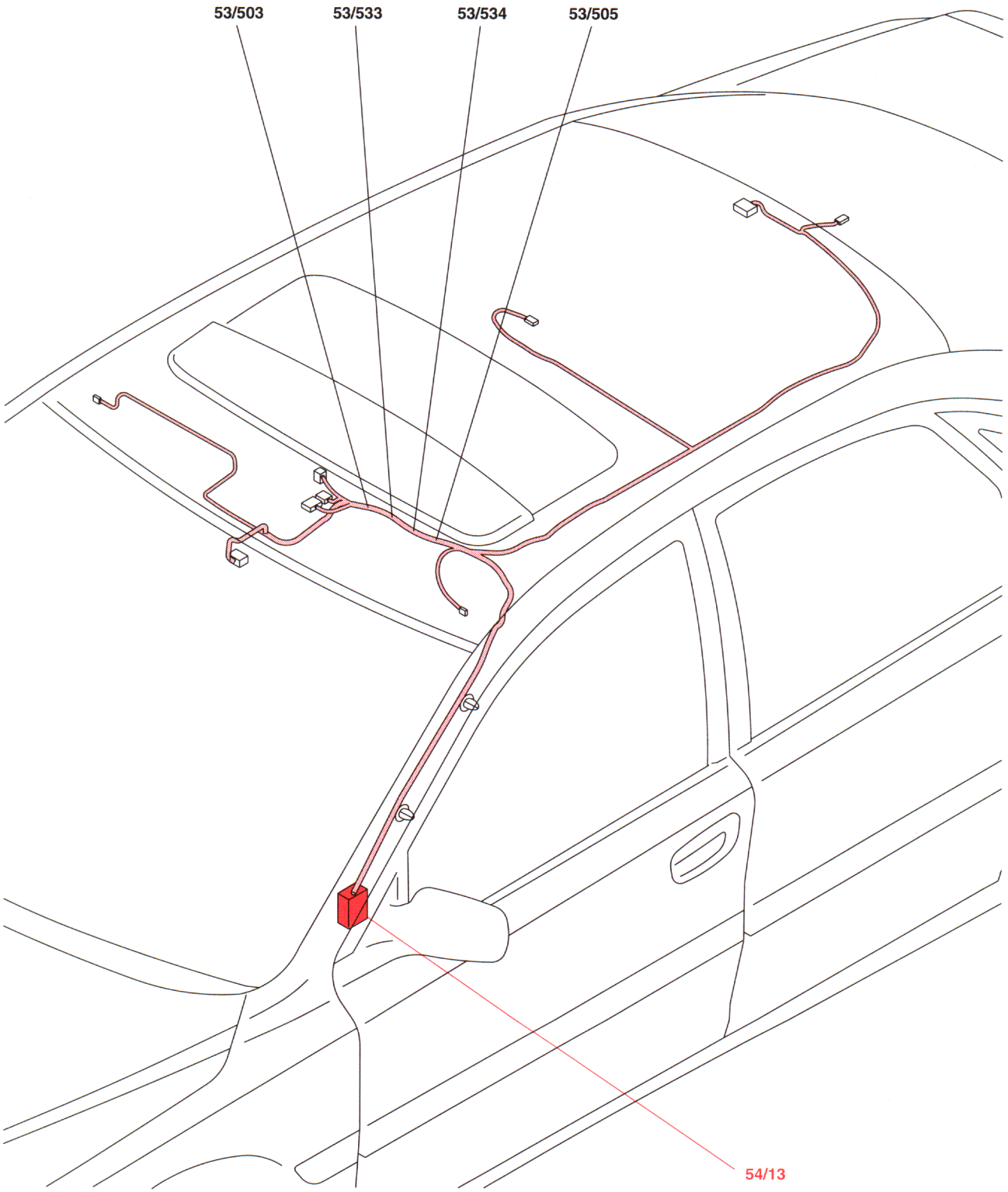


Engine cable harness (MSA)

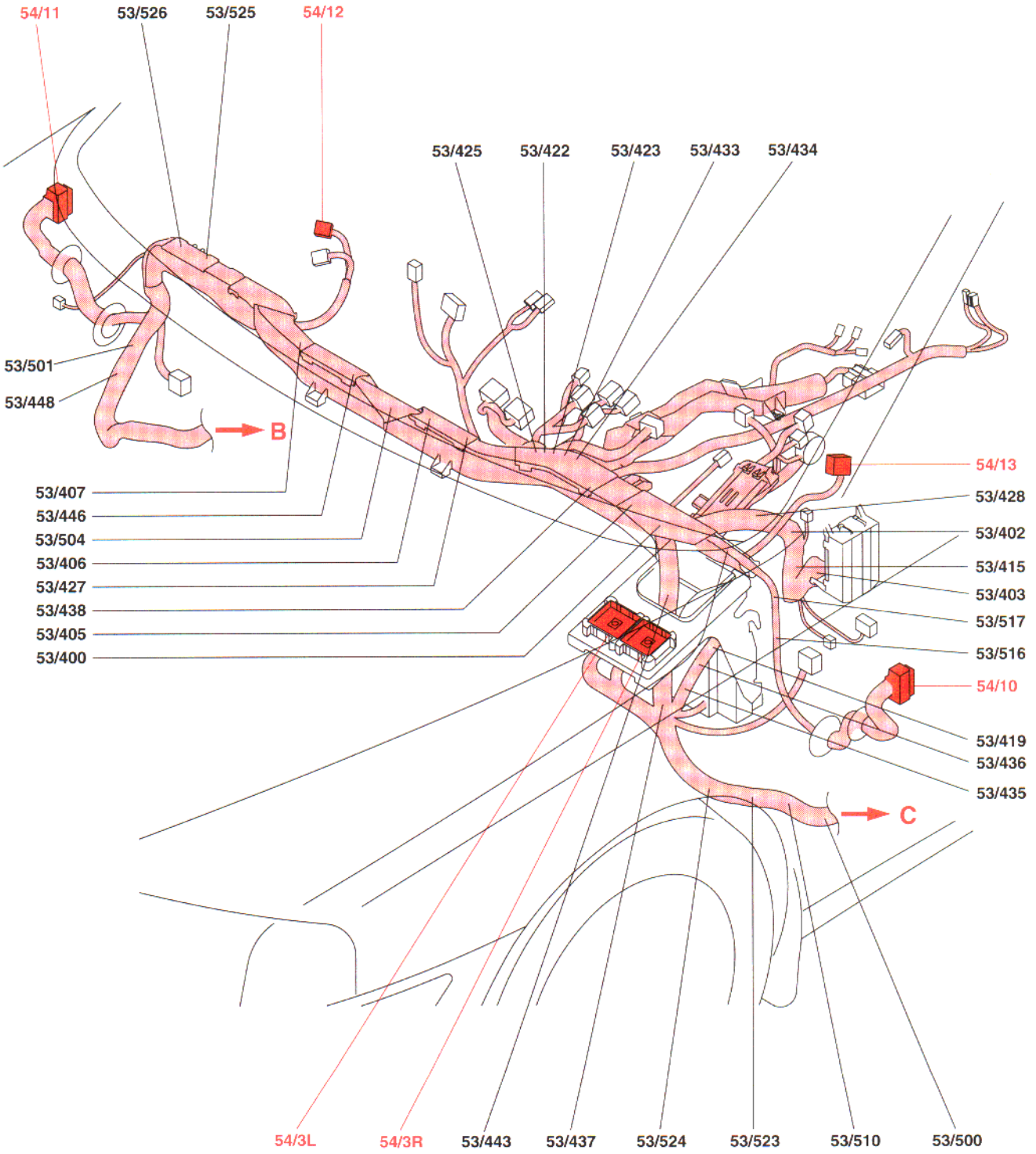


Routing of cable harnesses in the car

Roof cable harness

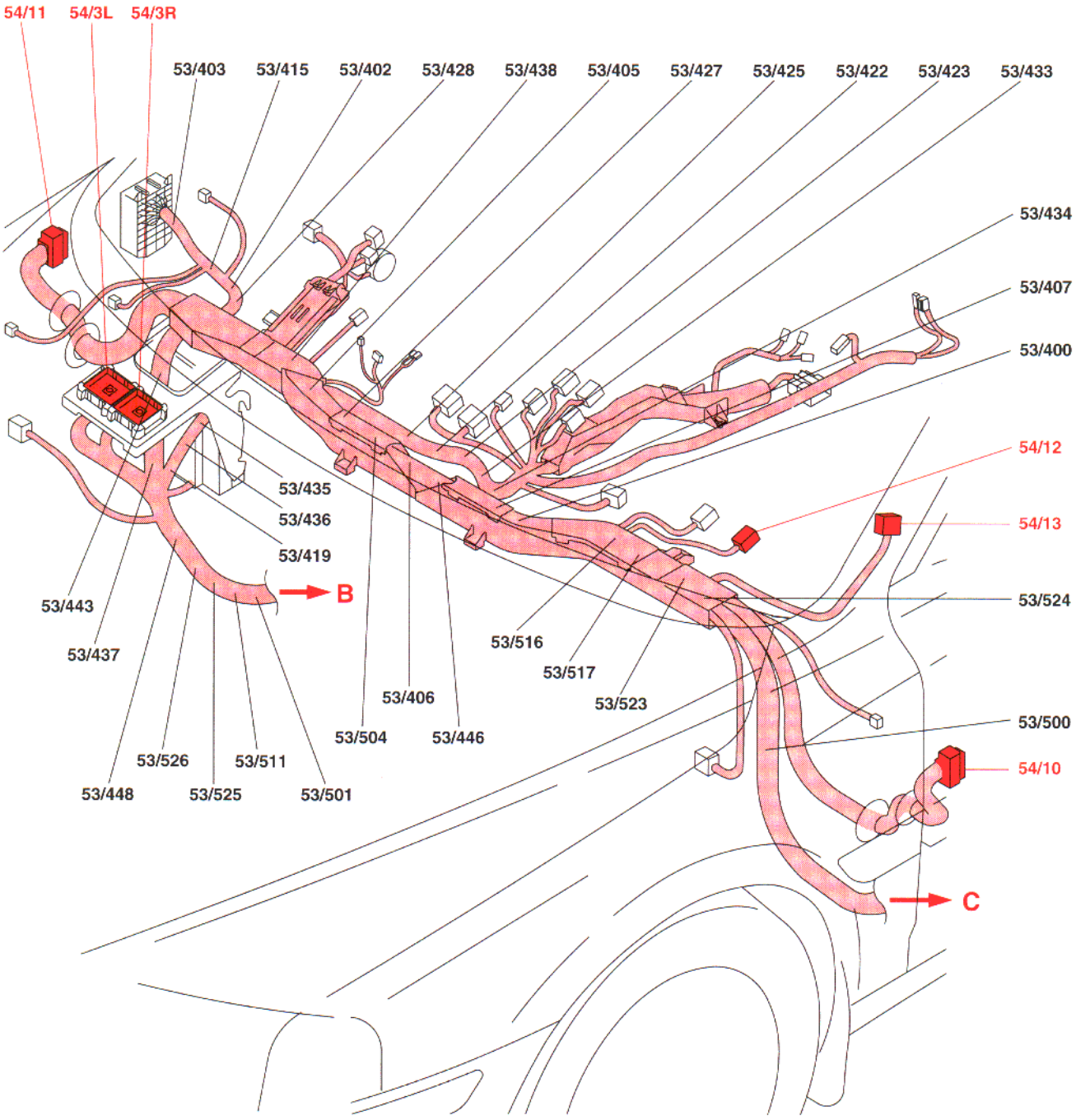


Passenger compartment cable harness, front section (LHD)

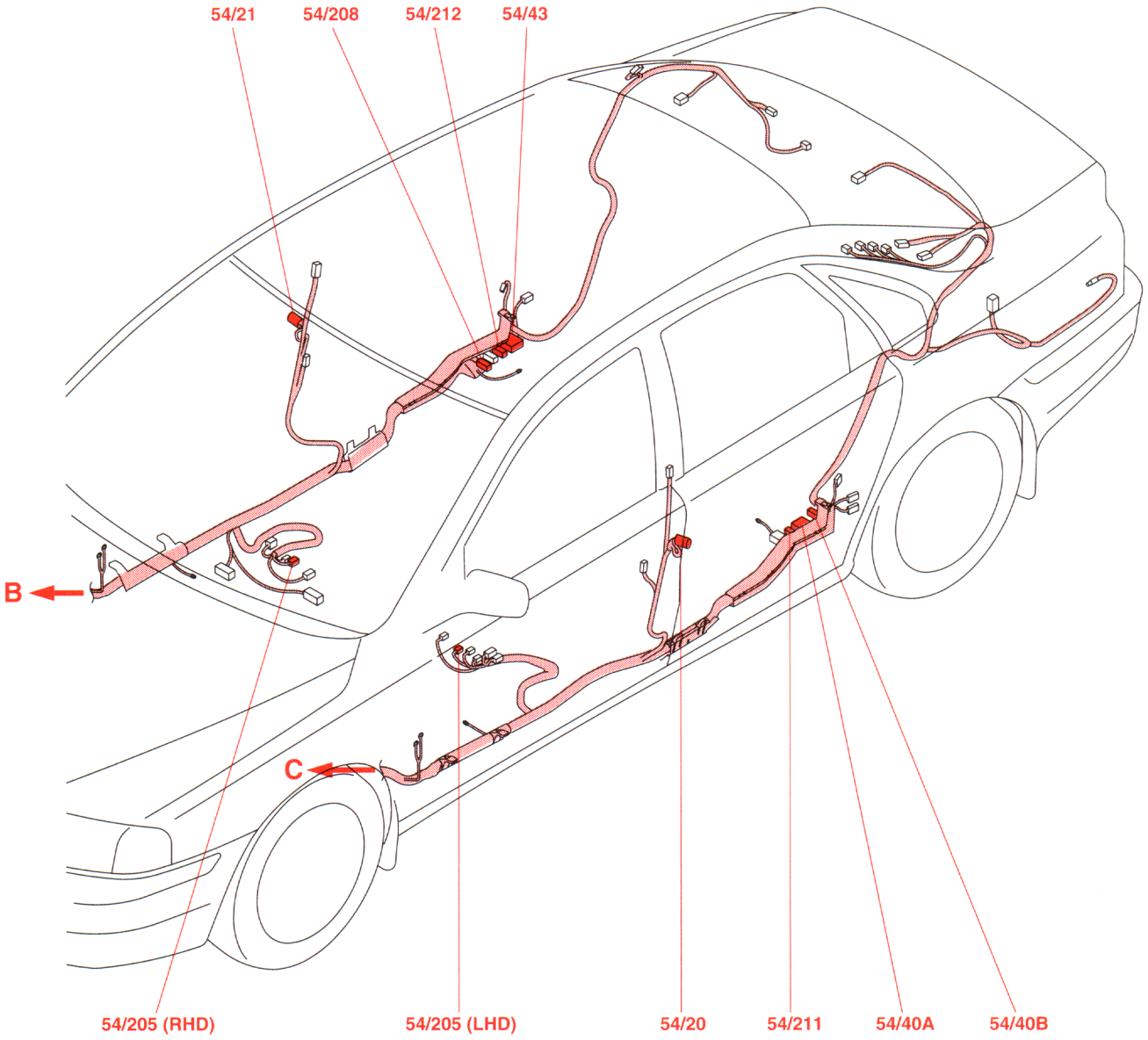


Routing of cable harnesses in the car

Passenger compartment cable harness, front section (RHD)

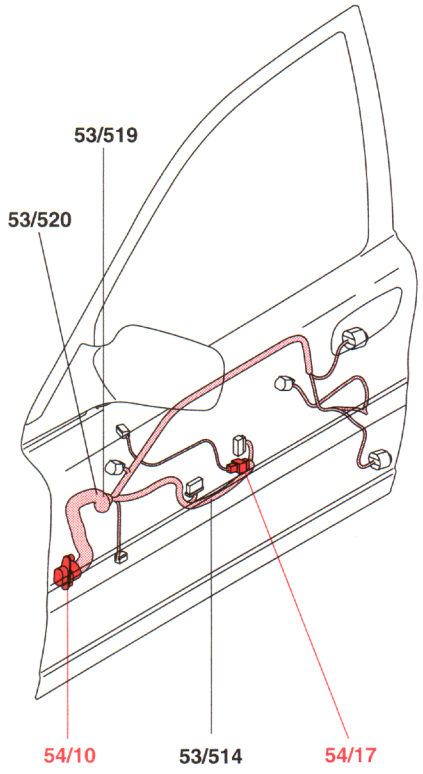


Passenger compartment cable harness, rear section

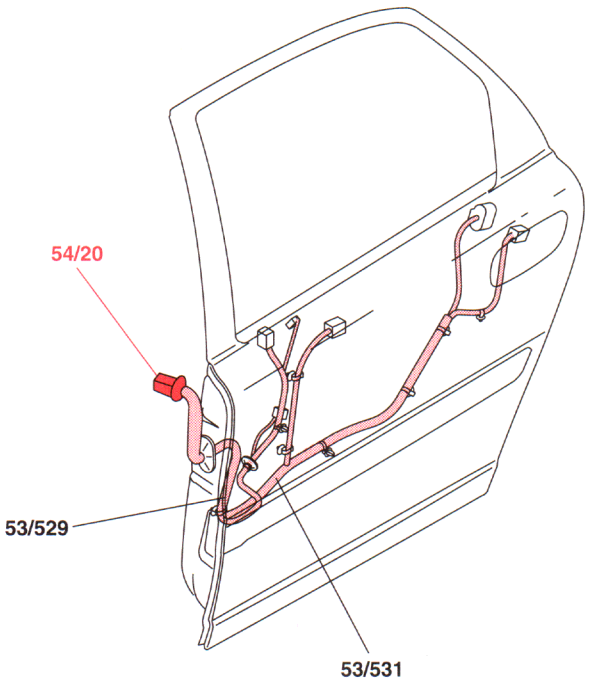


Routing of cable harnesses in the car

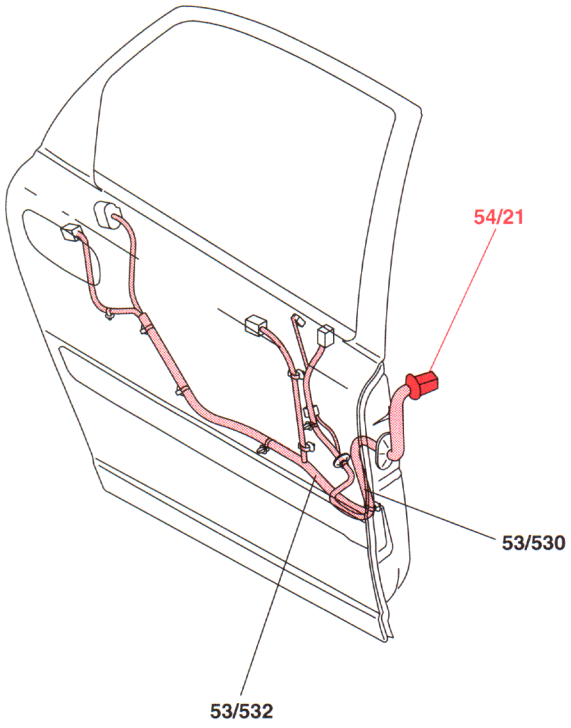
Left front door cable harness
Left door panel cable harness



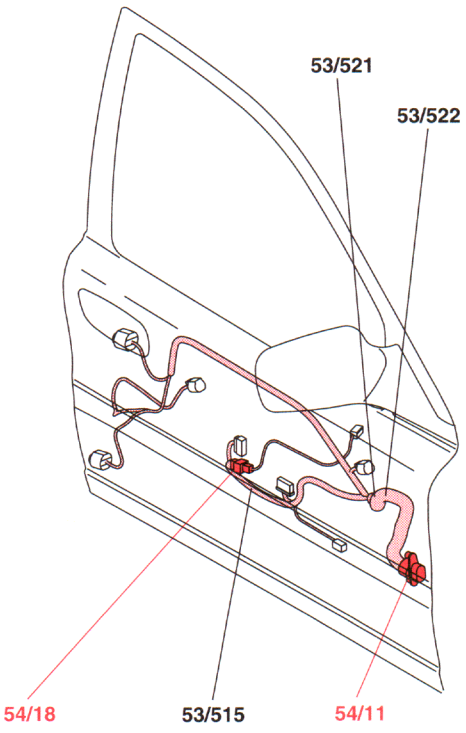
Left rear door cable harness



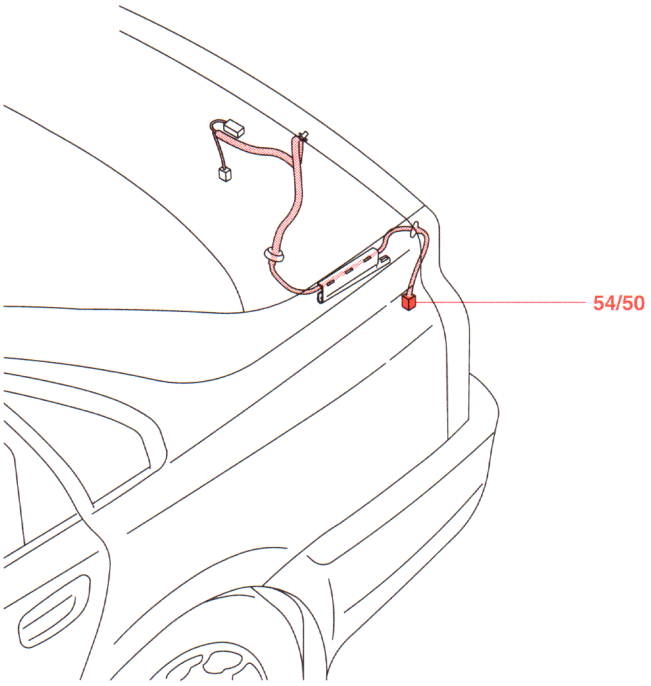
Right rear door cable harness



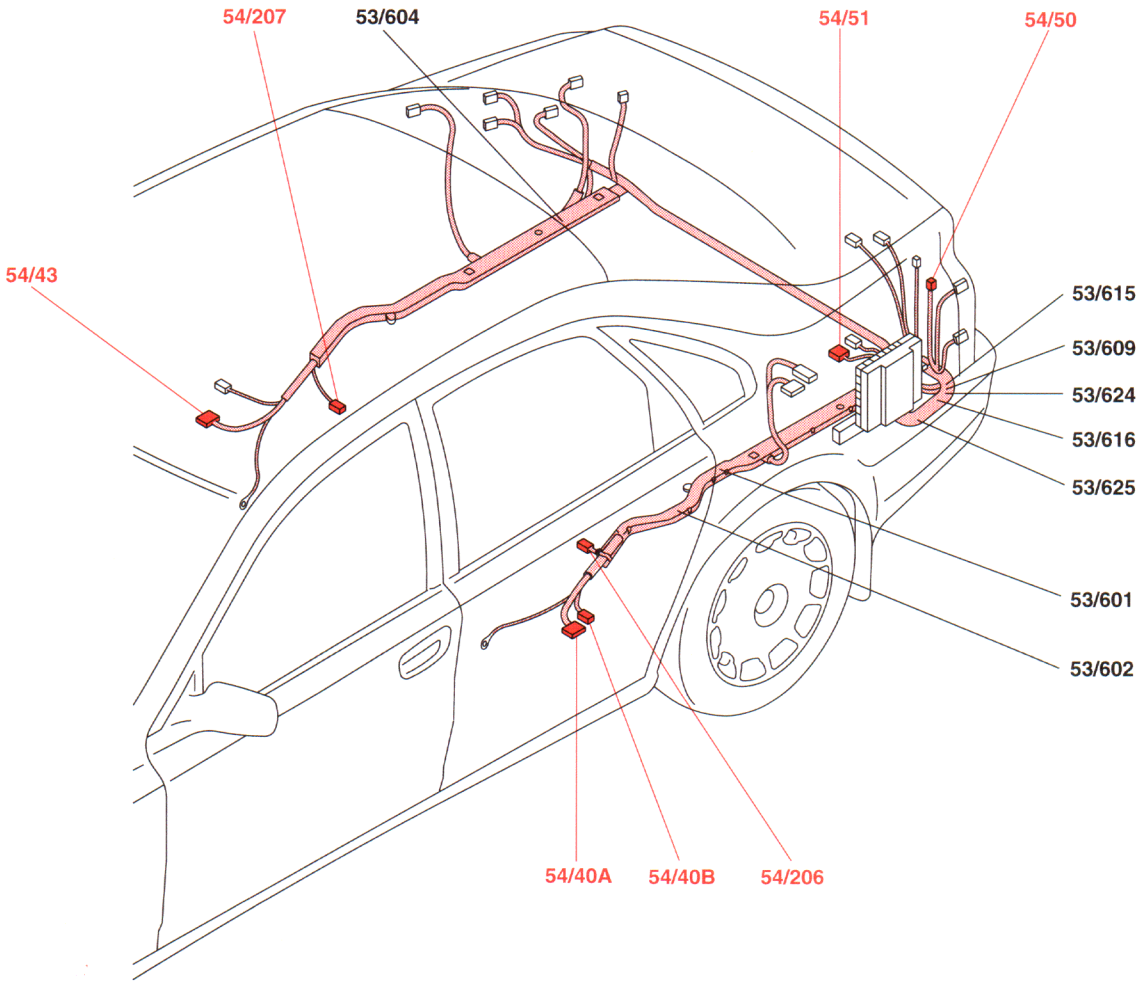
Right front door cable harness
Right door panel cable harness



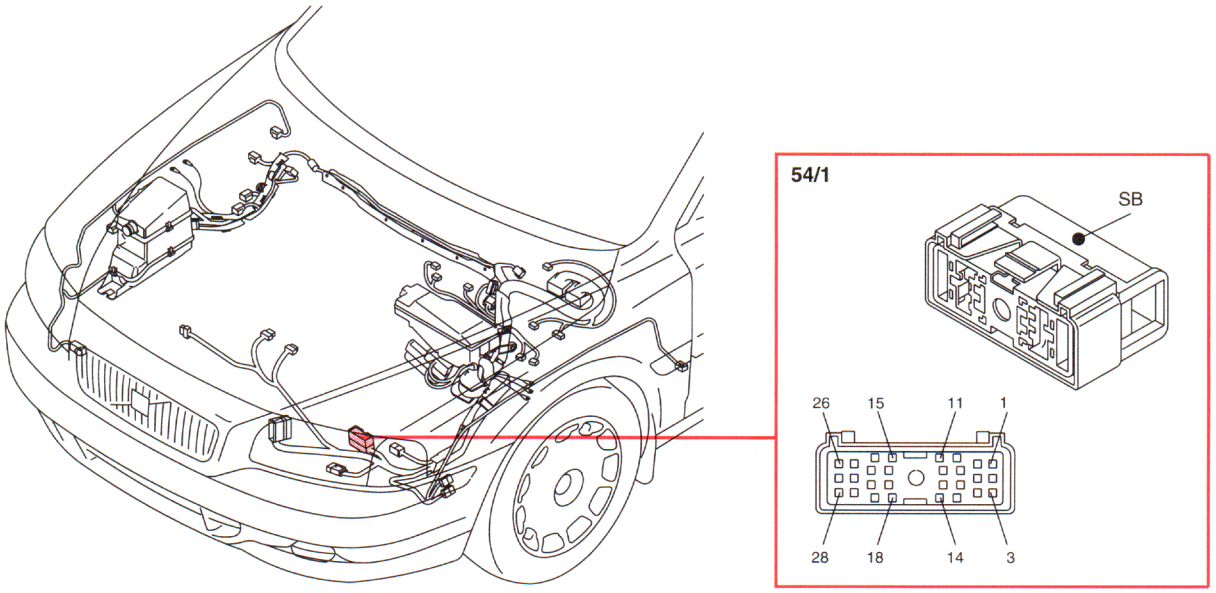
Trunk lid cable harness



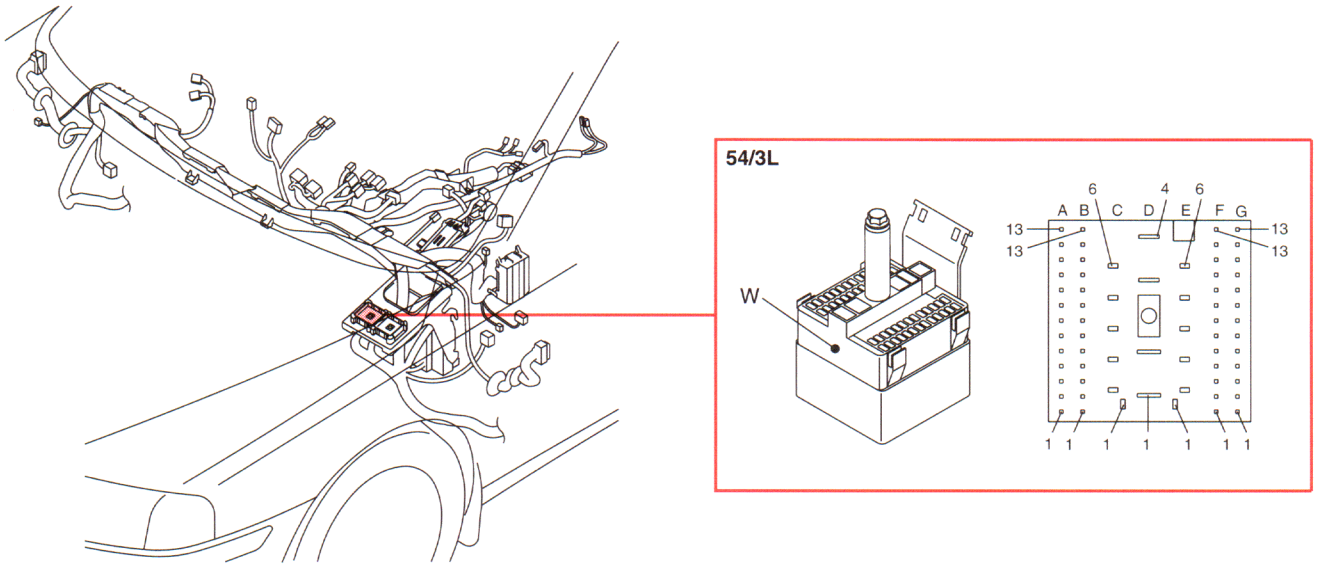
Cargo compartment cable harness



Connector 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	Fuse11B/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



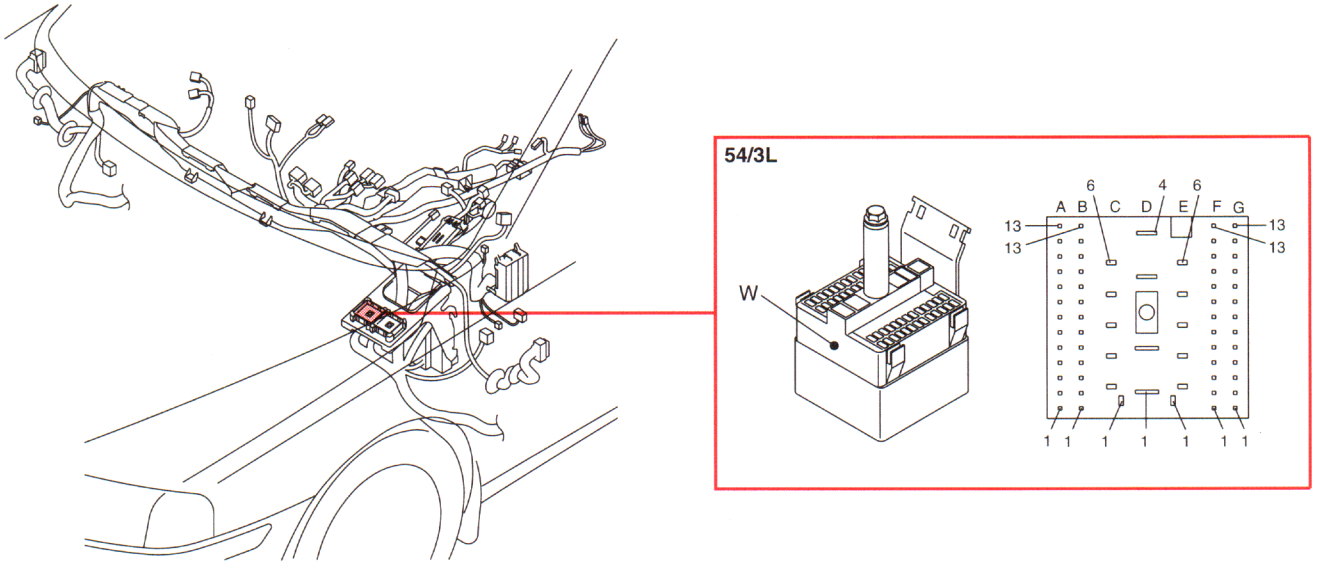
54/3LA White 13-pin
Passenger compartment cable harness - Engine compartment cable harness

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

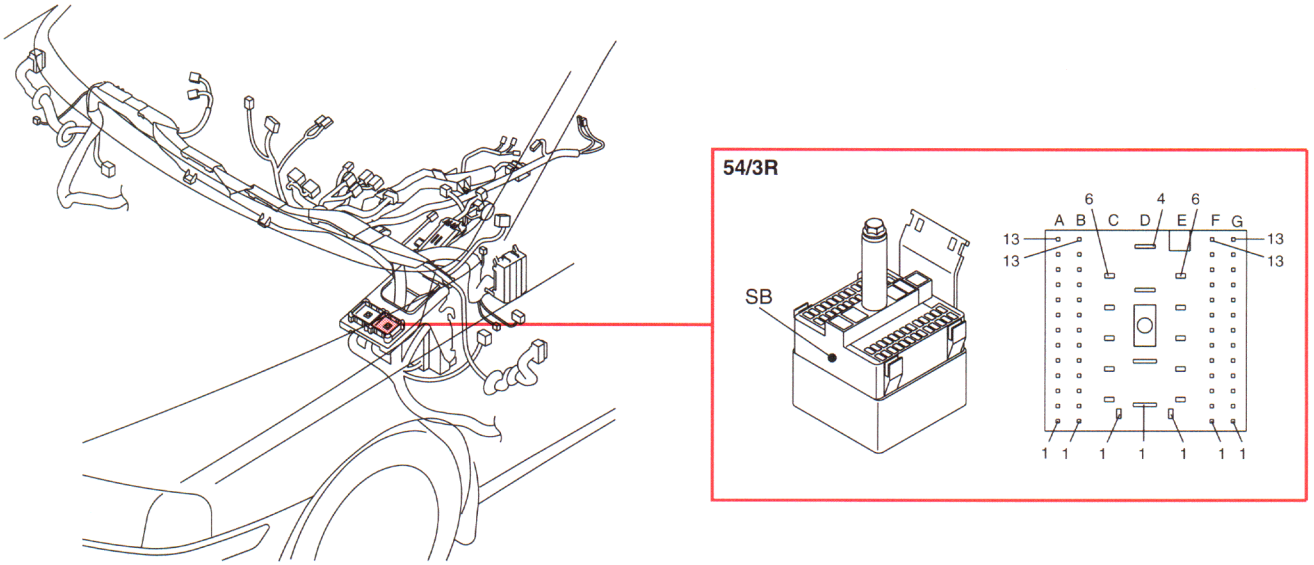
54/3LF White 13-pin
Passenger compartment cable harness - Engine compartment cable harness

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



54/3RB 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	-	-	-

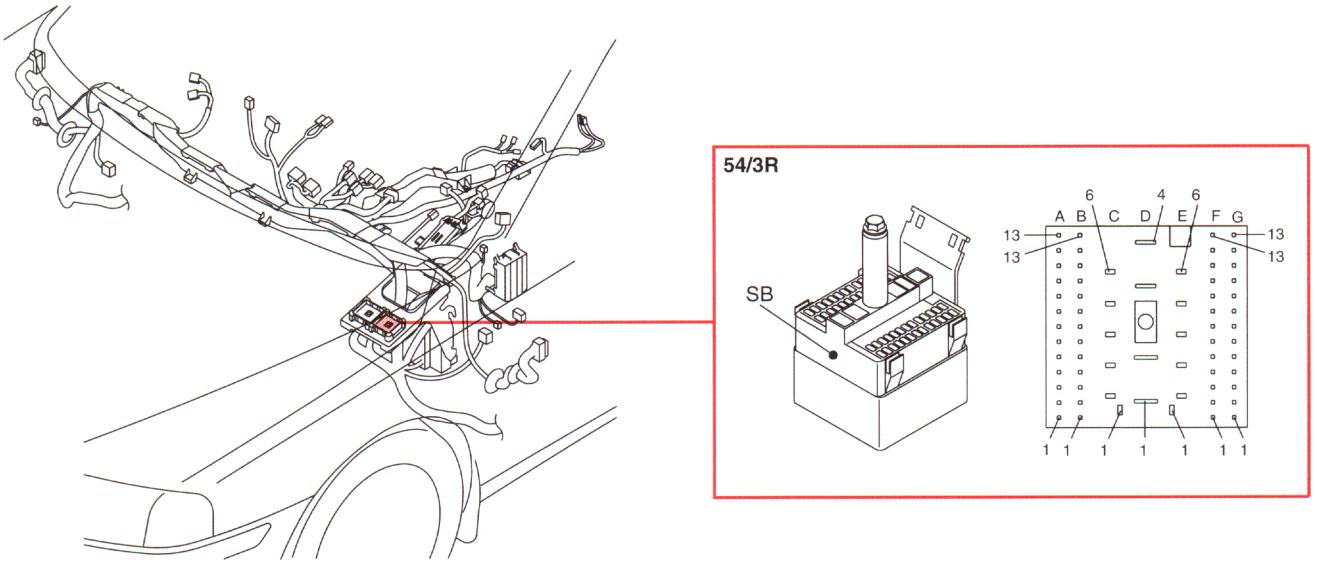
54/3RF Black 13-pin connector
Passenger compartment cable harness - Engine compartment cable harness

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

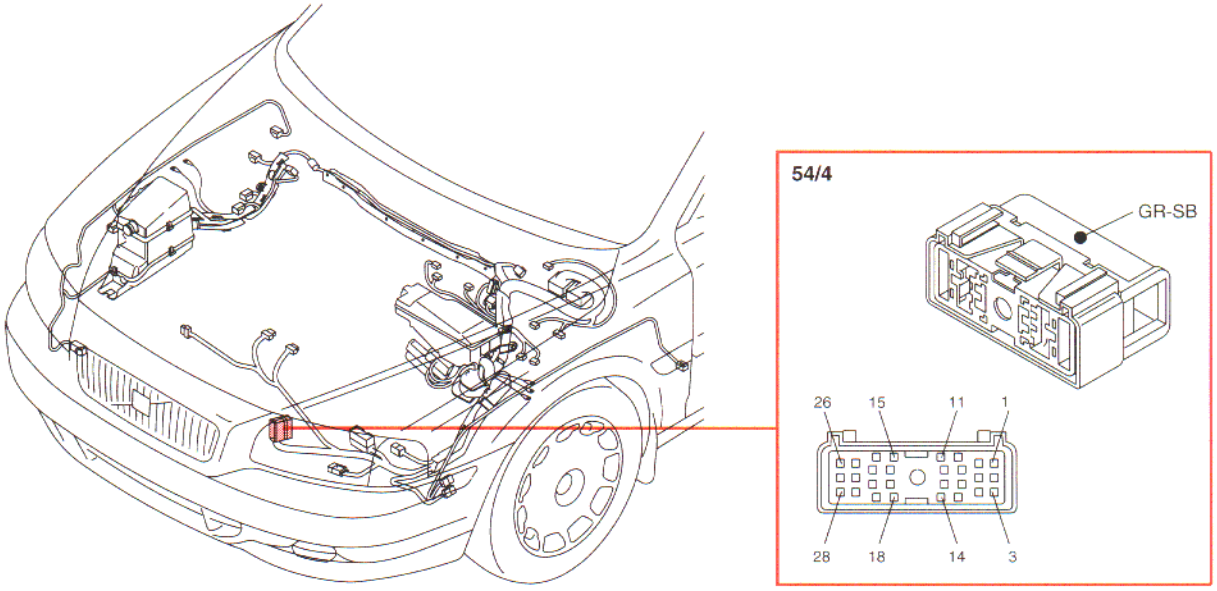
54/3RG Black 13-pin connector
Passenger compartment cable harness - Engine compartment cable harness

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



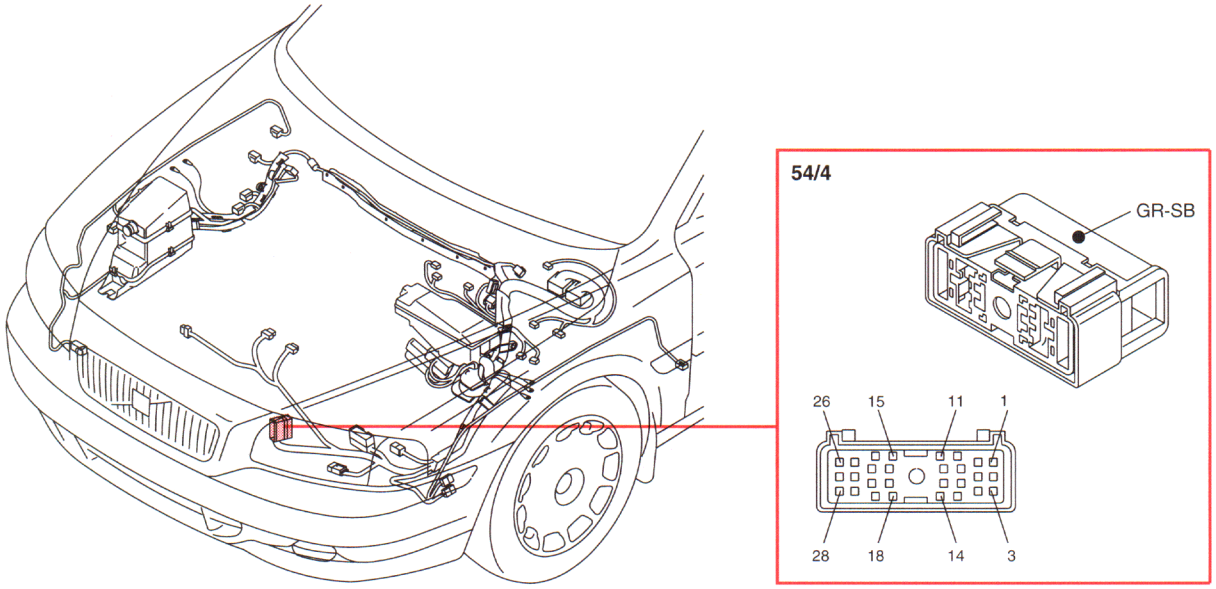
Term.	Female	Male	Color
7	Via junction point 53/443: Central electronic module (CEM) B:3 Ignition switch terminal 15 terminal 1 Antenna ring/ignition switch lighting terminal. 1 Overload relay 15-supply terminal 2 SRS control module B:28	Engine control module (ECM) B:37	BL-R
8	Central electronic module (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



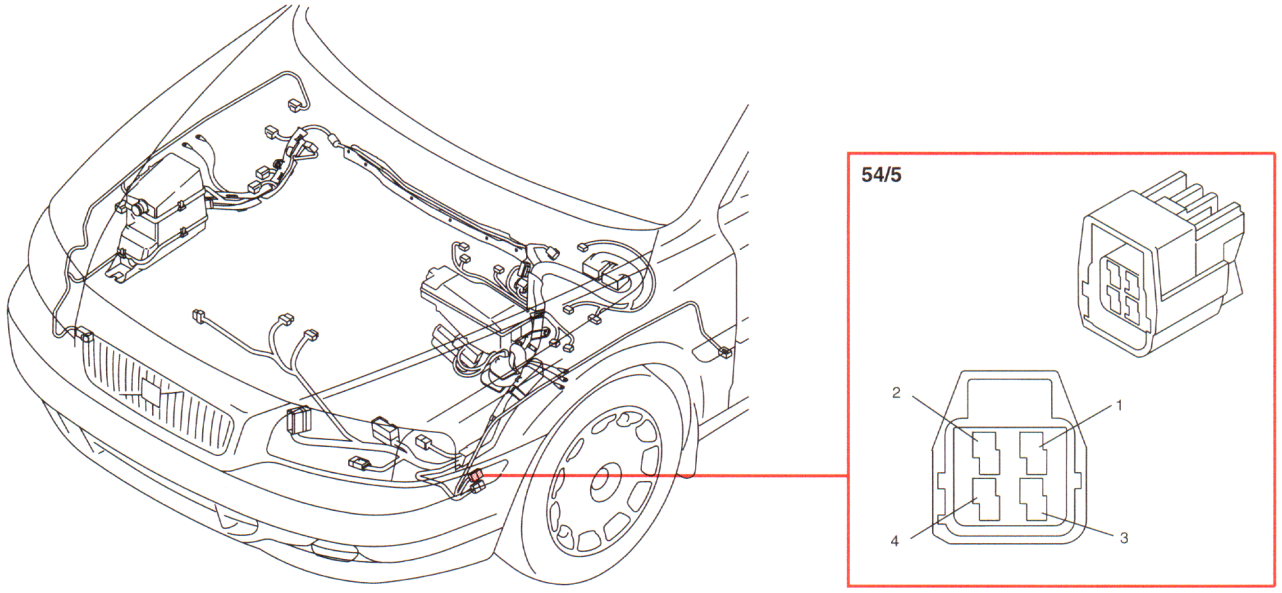
54/4 Gray-black 28-pin connector
Engine compartment cable harness - front cable harness

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



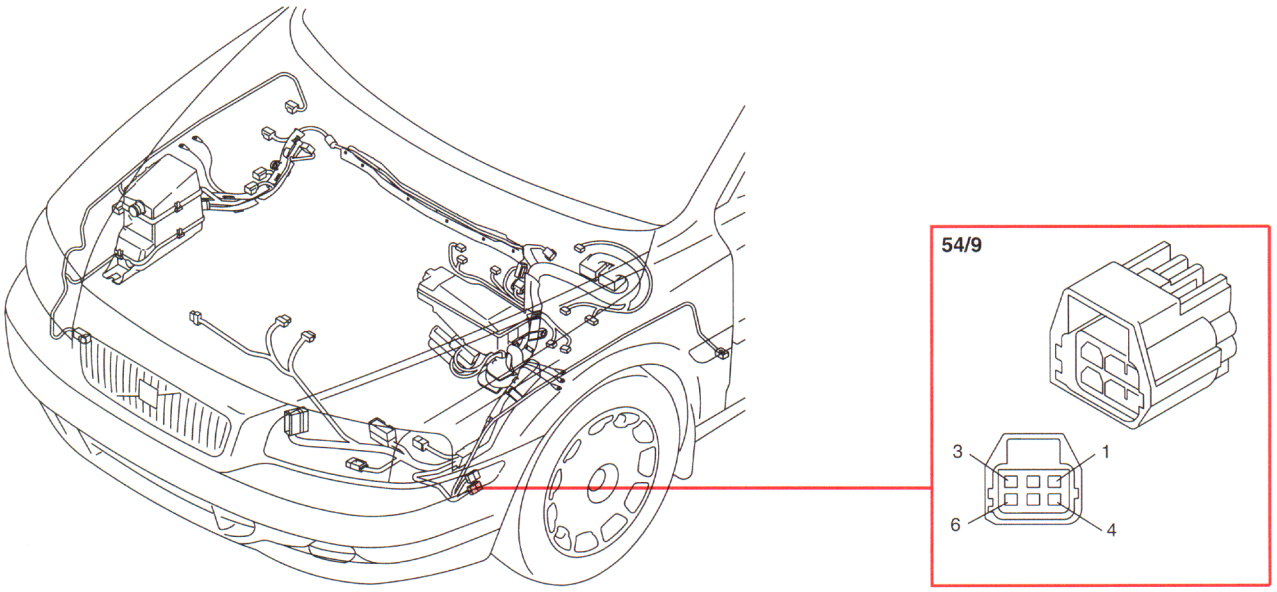
Term.	Female	Male	Color
15	Connector 54/3LG:12	Connector 54/4:19 (via junction point 53/334)	VO
16-18	-	-	-
19	Connector 54/3LG:13	Via junction point 53/334: Left headlamp washer motor terminal 2 Right headlamp washer motor terminal 2 Left actuator motor headlamp range adjustment terminal 3 Right actuator 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

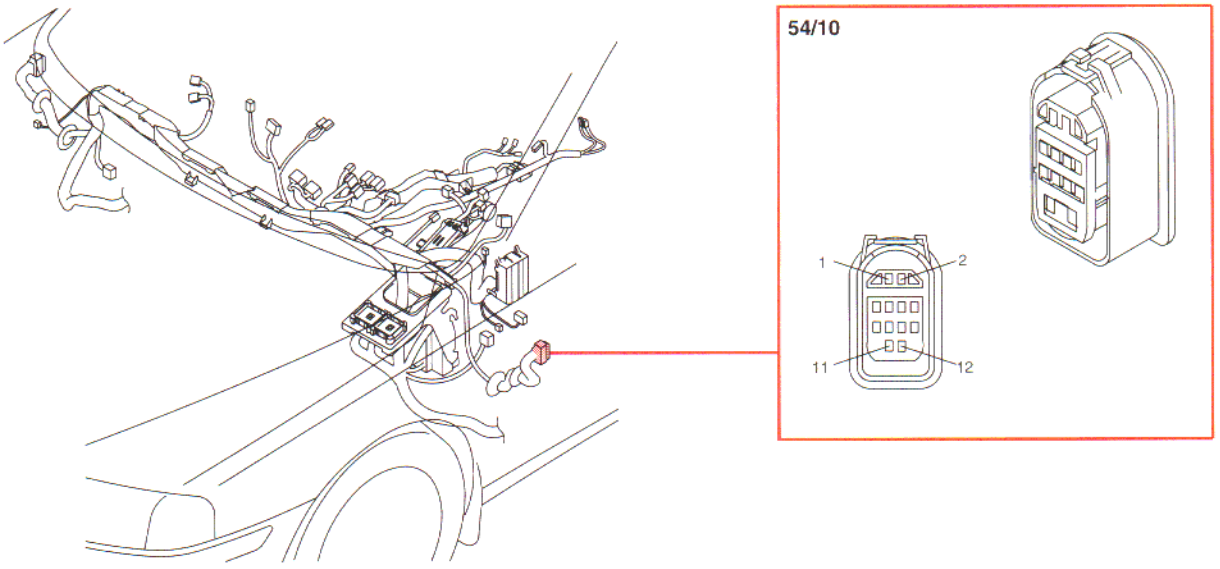
Term.	Female	Male	Color
1	Connector 54/3LE:6	Via junction point 53/307: Left front fog lamp terminal 1 Right front fog lamp terminal 1	P
2	Connector 54/4:24 (via connector 54/3LF:10)	Side marker lamp right front terminal 1	GR
3	Connector 54/4:5 (via connector 54/3LF:11)	Side marker lamp left front terminal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

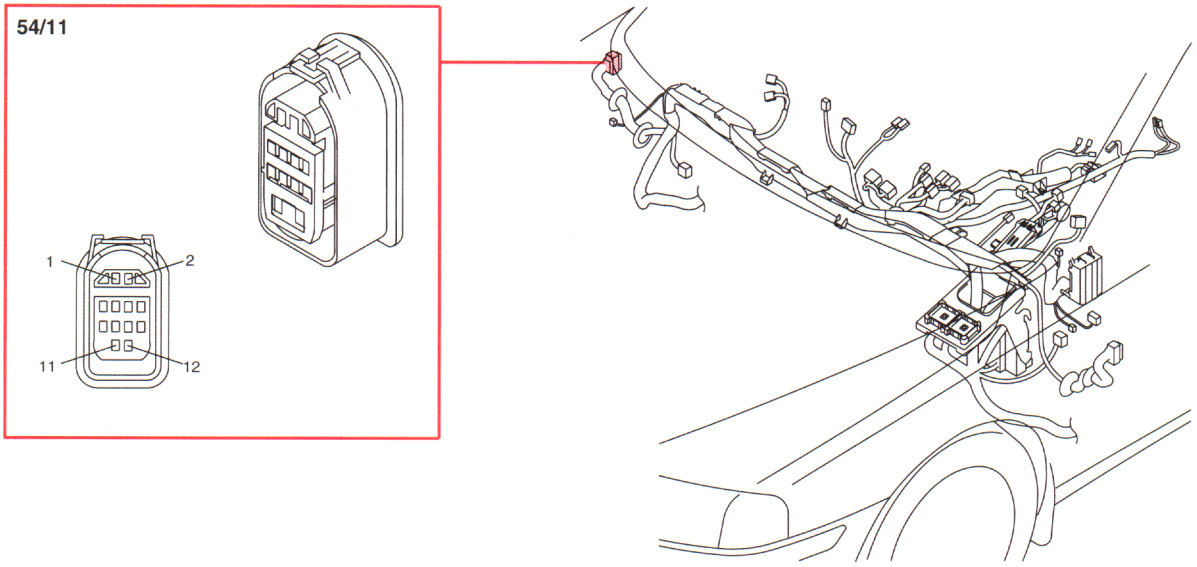
Term.	Female	Male	Color
1	Fuse 11B/9	Control module parking heater terminal 9	R
2	-	-	-
3	Ground terminal left wheel arch (via junction point 53/331)	Via junction point 53/351: Control module parking heater terminal 3 Parking heater	SB
4	Connector 54/3LF:12	Control module parking heater terminal 15	VO-W
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

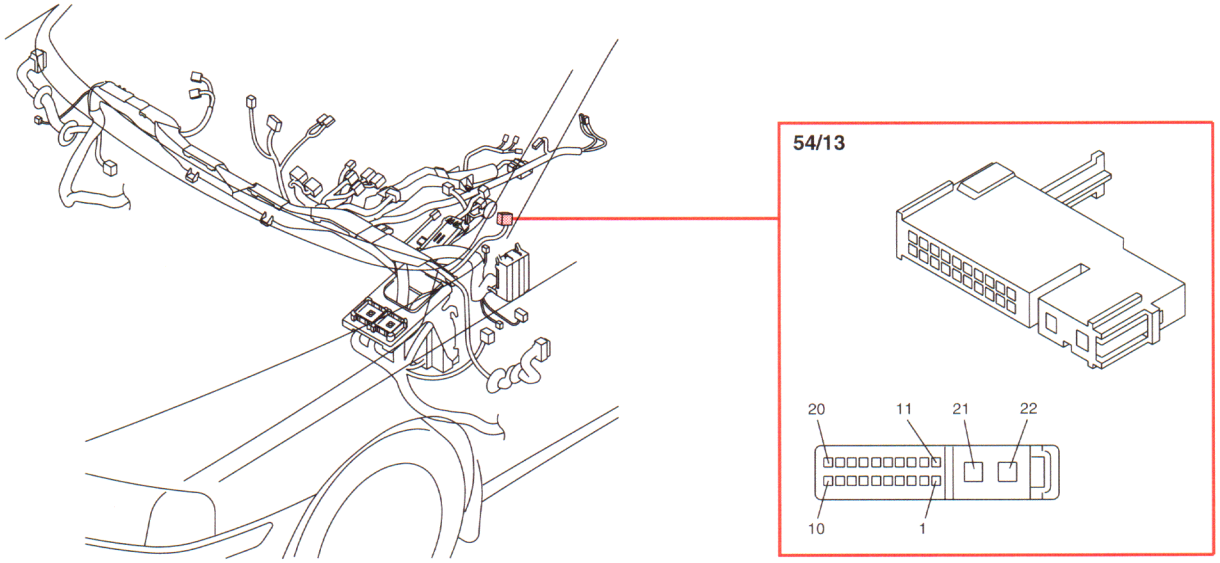
Term.	Female	Male	Color
1	Fuse 11C/35:2	Electrical switch module left front door (DDM/PDM) B:12	R
2	Via junction point 53/427: Fuse 11C/27:2 Connector 54/11:2	Electrical switch module left front door (DDM/PDM) B:7	R-W
3	Via junction point 53/516: SRS control module B:24 Connector 54/13:5	Electrical switch 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

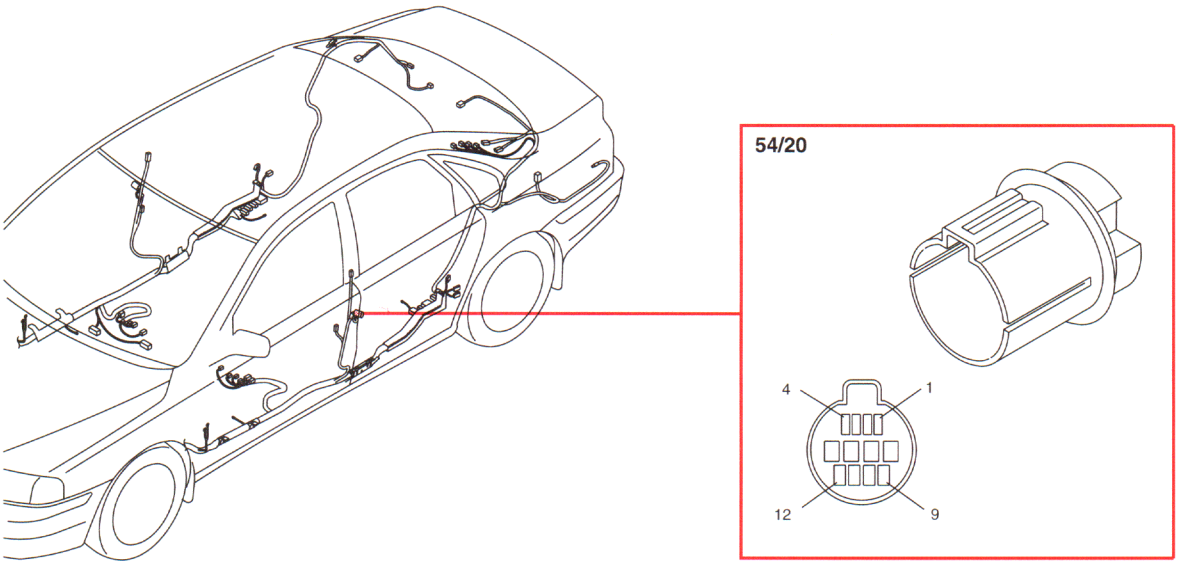
Term.	Female	Male	Color
1	Fuse 11C/36:2	Electrical switch module right front door (PDM/DDM) B:12	R
2	Via junction point 53/427: Fuse 11C/27:2 Connector 54/10:2	Electrical switch module right front door (PDM/DDM) B:7	R-W
3	Via junction point 53/433: Electrical switch module climate control module (CCM) 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

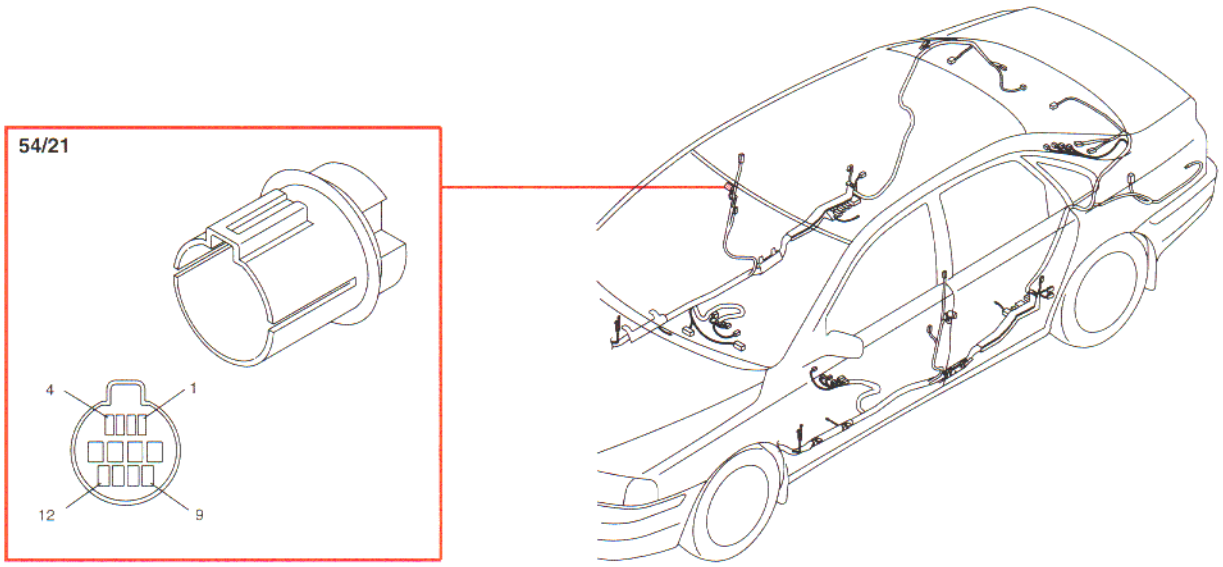
Term.	Female	Male	Color
1	Via junction point 53/534: Upper electronic module (UEM) terminal 1 and 11	Fuse 11C/28:2	R
2-4	-	-	-
5	Upper electronic module (UEM) terminal 3	Via junction point 53/516: SRS control module B:24 Connector 54/10:3	W
6	Upper electronic module (UEM) terminal 5	Via junction point 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 Black 12-pin connector
Passenger compartment cable harness - Left rear door cable harness

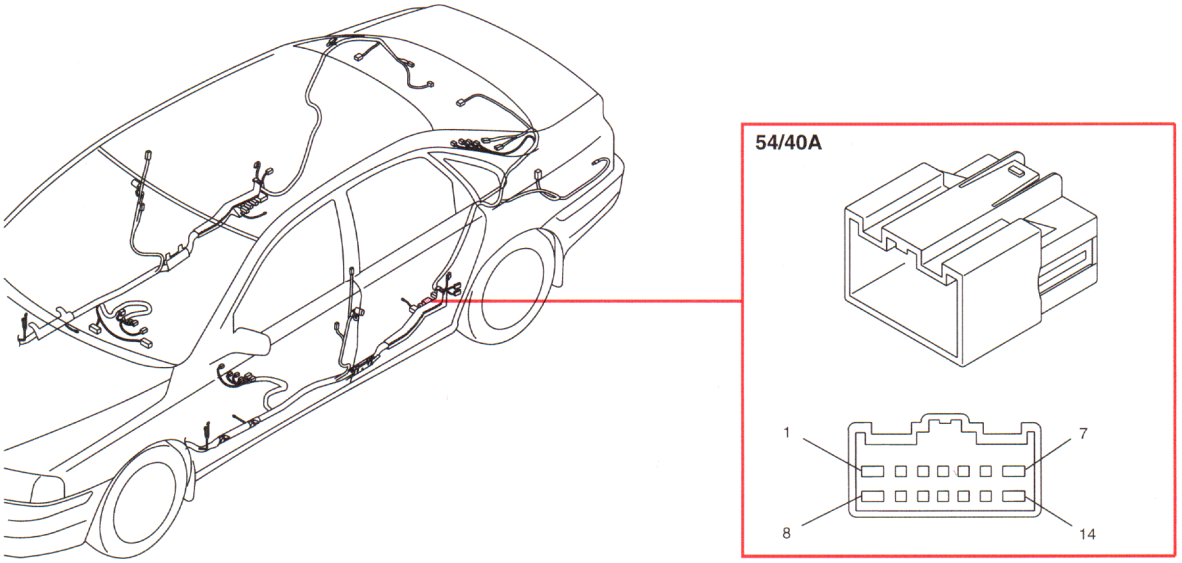
Term.	Female	Male	Color
1	Via junction point 53/523: Radio (AUM) A:7 or Amplifier B:7 Loudspeaker parcel shelf left side terminal 1	Loudspeaker left rear door terminal 1	GR-W
2	Via junction point 53/524: Radio (AUM) B:8 or Amplifier B:8 Loudspeaker parcel shelf left side terminal 2	Loudspeaker left rear 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

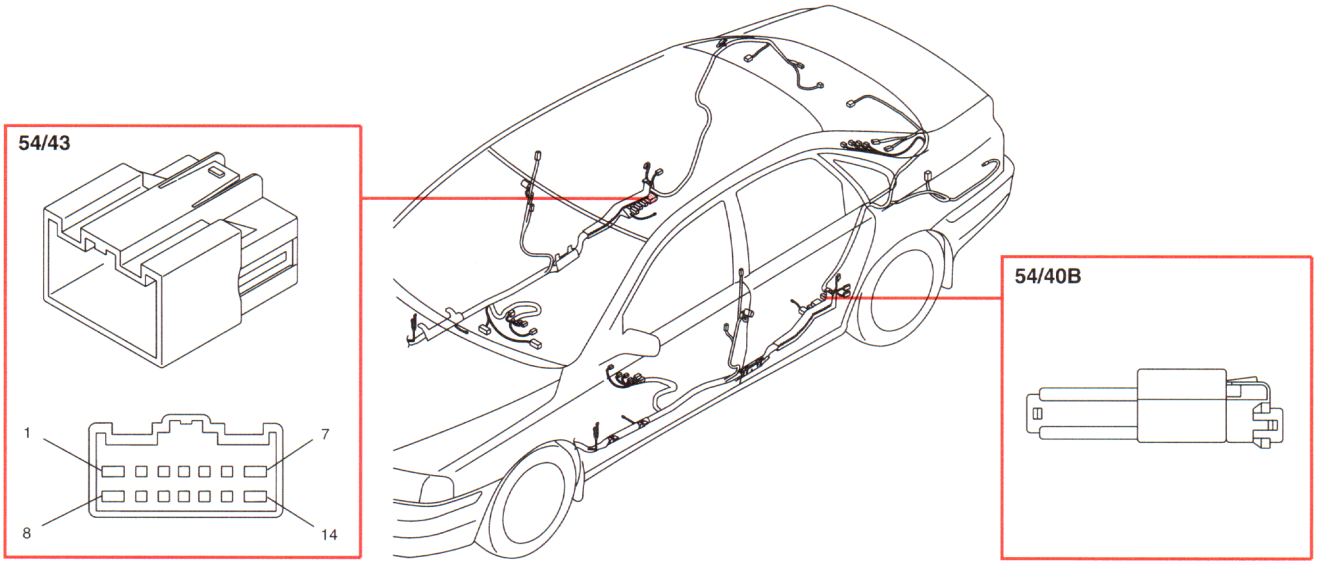
Term.	Female	Male	Color
1	Via junction point 53/525: Radio (AUM) B:11 or Amplifier B:11 Loudspeaker parcel shelf right side terminal 1	Loudspeaker right rear door terminal 1	GR-W
2	Via junction point 53/526: Radio (AUM) B:12 or Amplifier B:12 Loudspeaker parcel shelf right side terminal 2	Loudspeaker 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



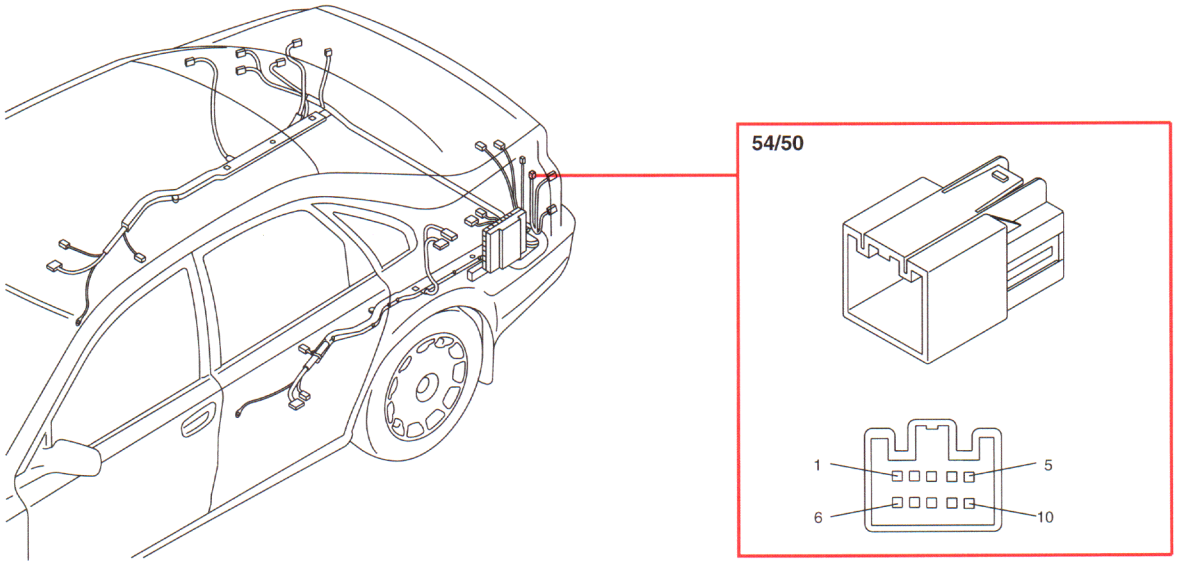
54/40B Black 1-pin connector
Passenger compartment cable harness - Cargo compartment cable harness

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

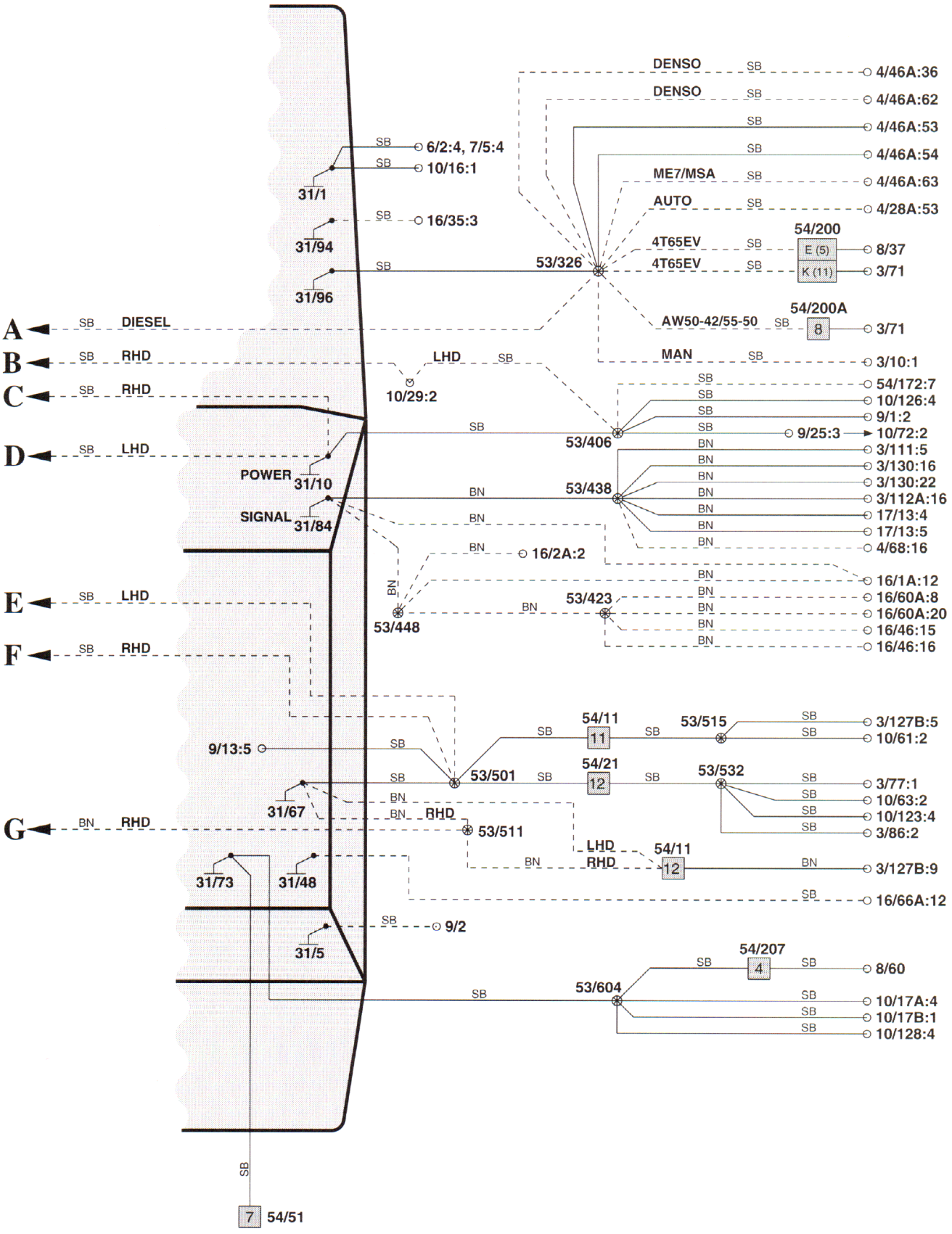
Term	Female	Male	Color
1	-	-	-
2	Central locking relay locking right rear terminal 1	Connector 54/21:11	Y
3	Central locking relay unlocking right rear terminal 1	Connector 54/21:10	GR
4	Connector 54/40A:4 (via Central locking relay deadlocked rear doors terminal 1)	Connector 54/21:9	VO
5-6	-	-	-
7	Connector 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



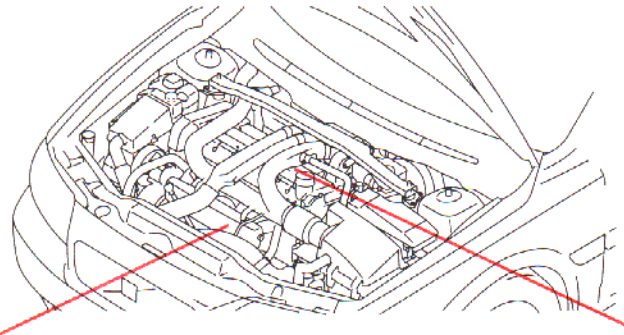
54/50 Light gray 10-pin
Cargo compartment cable harness - Trunk lid cable harness

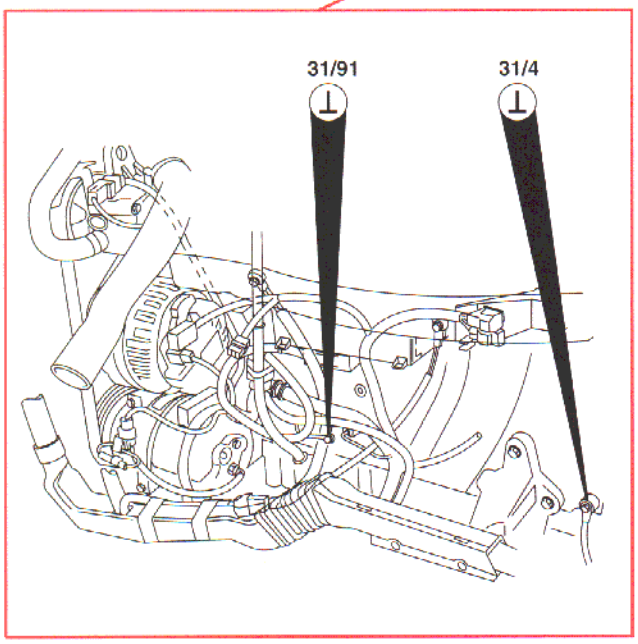
Term	Female	Male	Color
1	Trunk lid lock unit terminal 1	Connector 54/43:11	BN-OR/P
2	-	-	-
3	Trunk lid lock unit terminal 2	Trunk lid opening relay terminal 1	GR-W
4-6	-	-	-
7	License plate lighting terminal 2	Via junction point 53/609: Connector 54/40A:8 Connector 54/51:8 Shunt position- / tail lamps 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

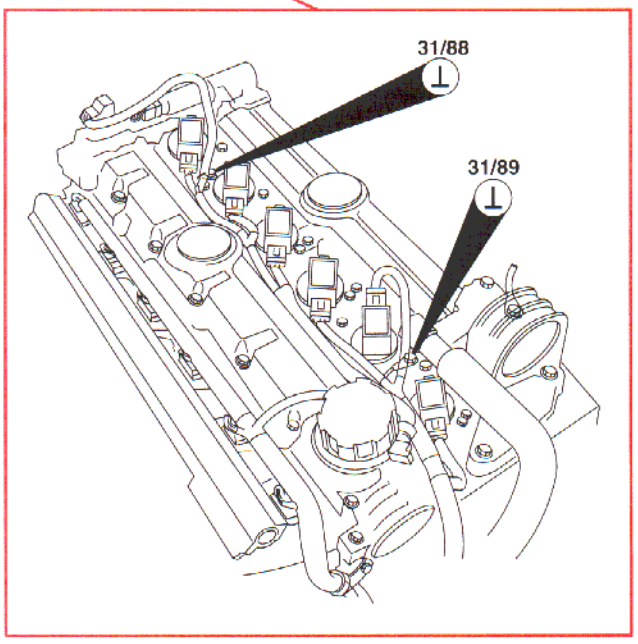

A
B
C
D
E
F
G
SB DIESEL
SB RHD
SB RHD
SB LHD
SB LHD
SB RHD
BN RHD
31/1
31/94
31/96
31/10
31/84
31/67
31/73
31/48
31/5
POWER
SIGNAL
SB 6/2:4, 7/5:4
SB 10/16:1
SB 16/35:3
SB
10/29:2
LHD SB
BN
BN 16/2A:2
BN
53/448
9/13:5
SB
SB
BN
BN RHD
53/511
SB 9/2
SB
7 54/51
DENSO SB 4/46A:36
DENSO SB 4/46A:62
SB 4/46A:53
SB 4/46A:54
ME7/MSA SB 4/46A:63
AUTO SB 4/28A:53
4T65EV SB
4T65EV SB
53/326
54/200
E (5) 8/37
K (11) 3/71
AW50-42/55-50 SB
54/200A
8 3/71
MAN SB 3/10:1
SB 54/172:7
SB 10/126:4
SB 9/1:2
SB 9/25:3 10/72:2
53/406
BN 3/111:5
BN 3/130:16
BN 3/130:22
53/438
BN 3/112A:16
BN 17/13:4
BN 17/13:5
BN 4/68:16
BN 16/1A:12
BN 16/60A:8
53/423
BN 16/60A:20
BN 16/46:15
BN 16/46:16
54/11
11
SB
53/515
SB 3/127B:5
SB 10/61:2
53/501
54/21
12
53/532
SB 3/77:1
SB 10/63:2
SB 10/123:4
SB 3/86:2
LHD
RHD
54/11
12
BN 3/127B:9
SB 16/66A:12
54/207
4
SB 8/60
53/604
SB 10/17A:4
SB 10/17B:1
SB 10/128:4

Ground terminals

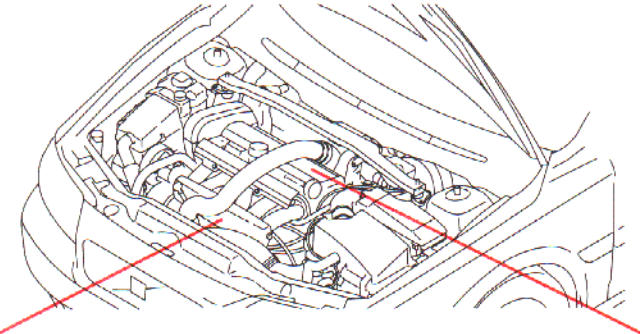
6CYL

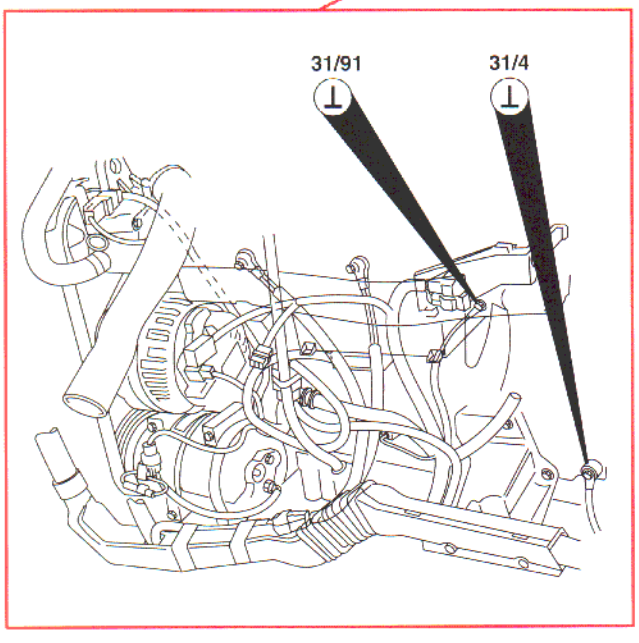


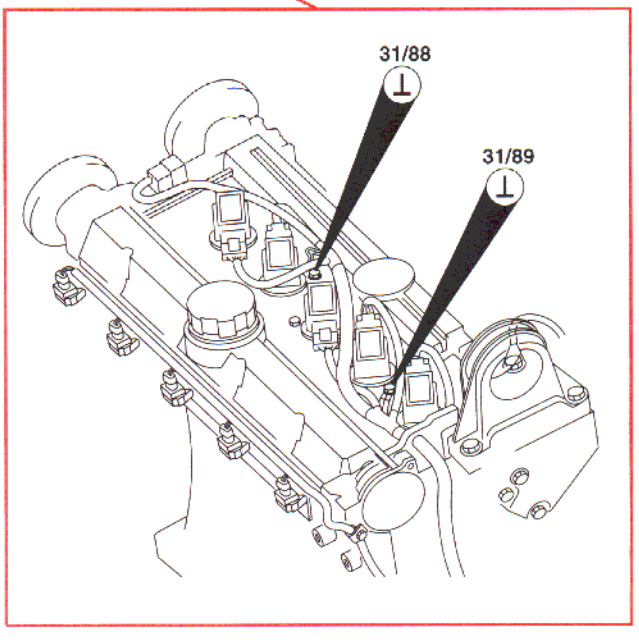




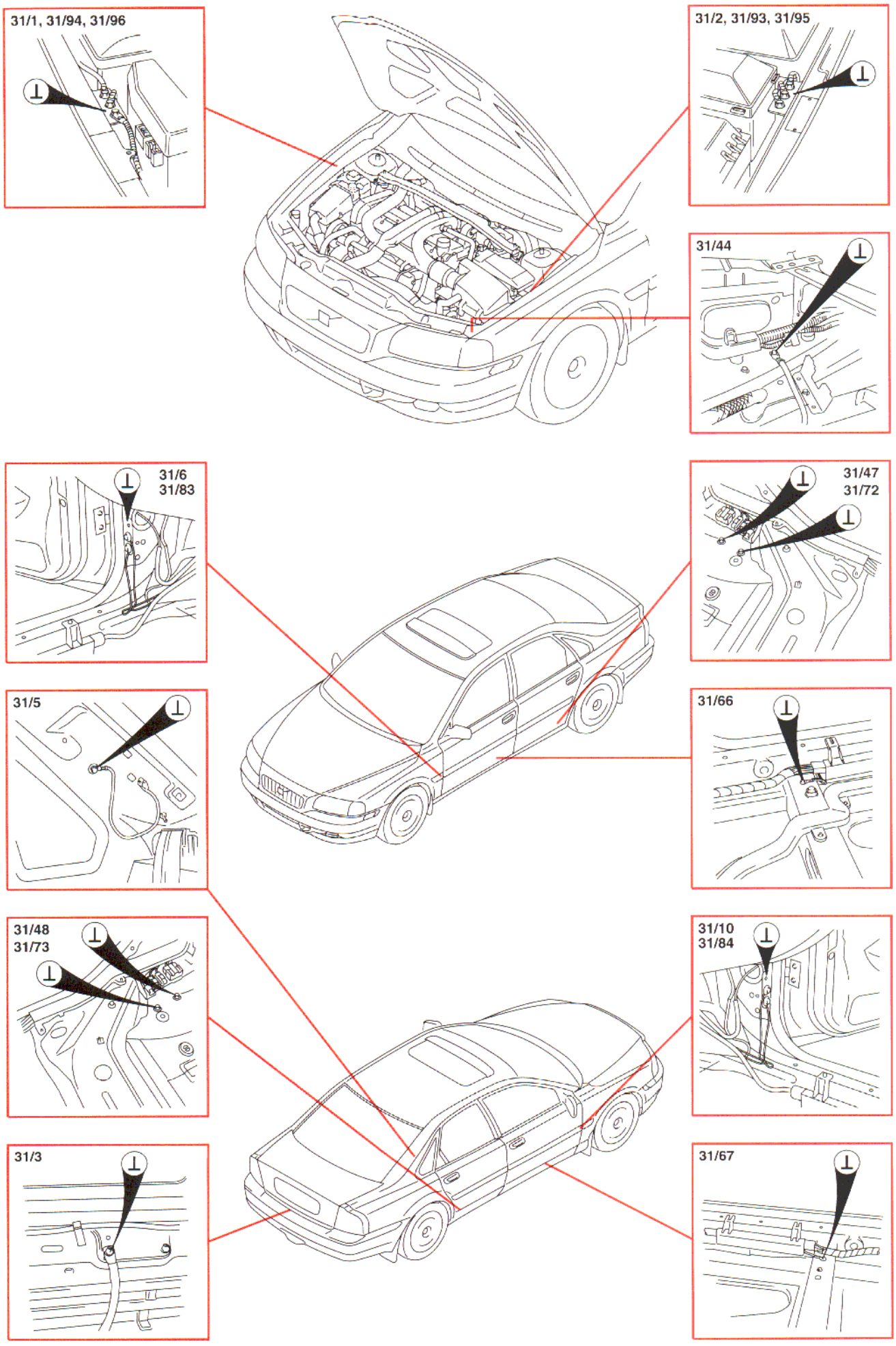
5CYL







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

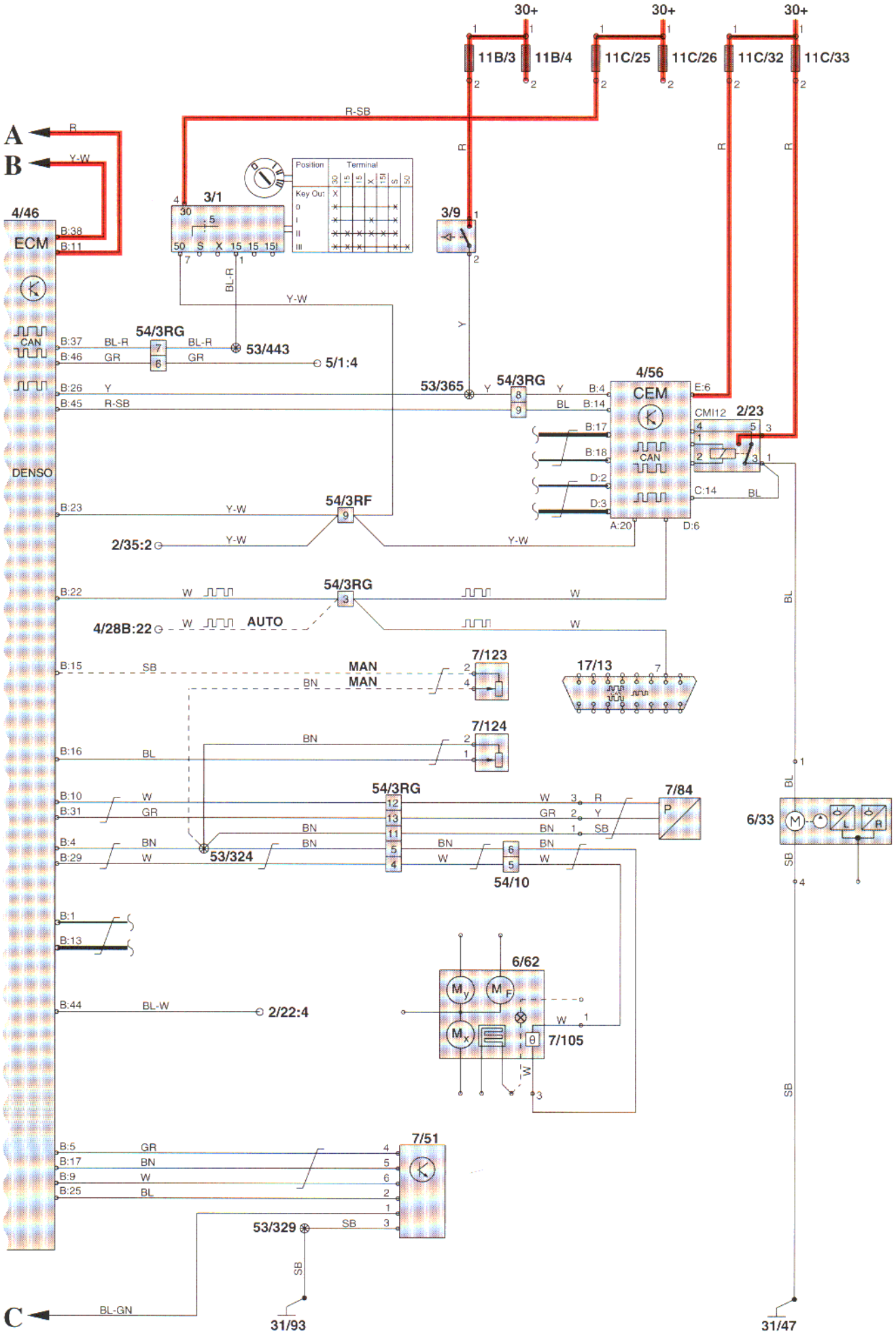
31/91
Electronic throttle module (ETM)
PTC resistor air preheating

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

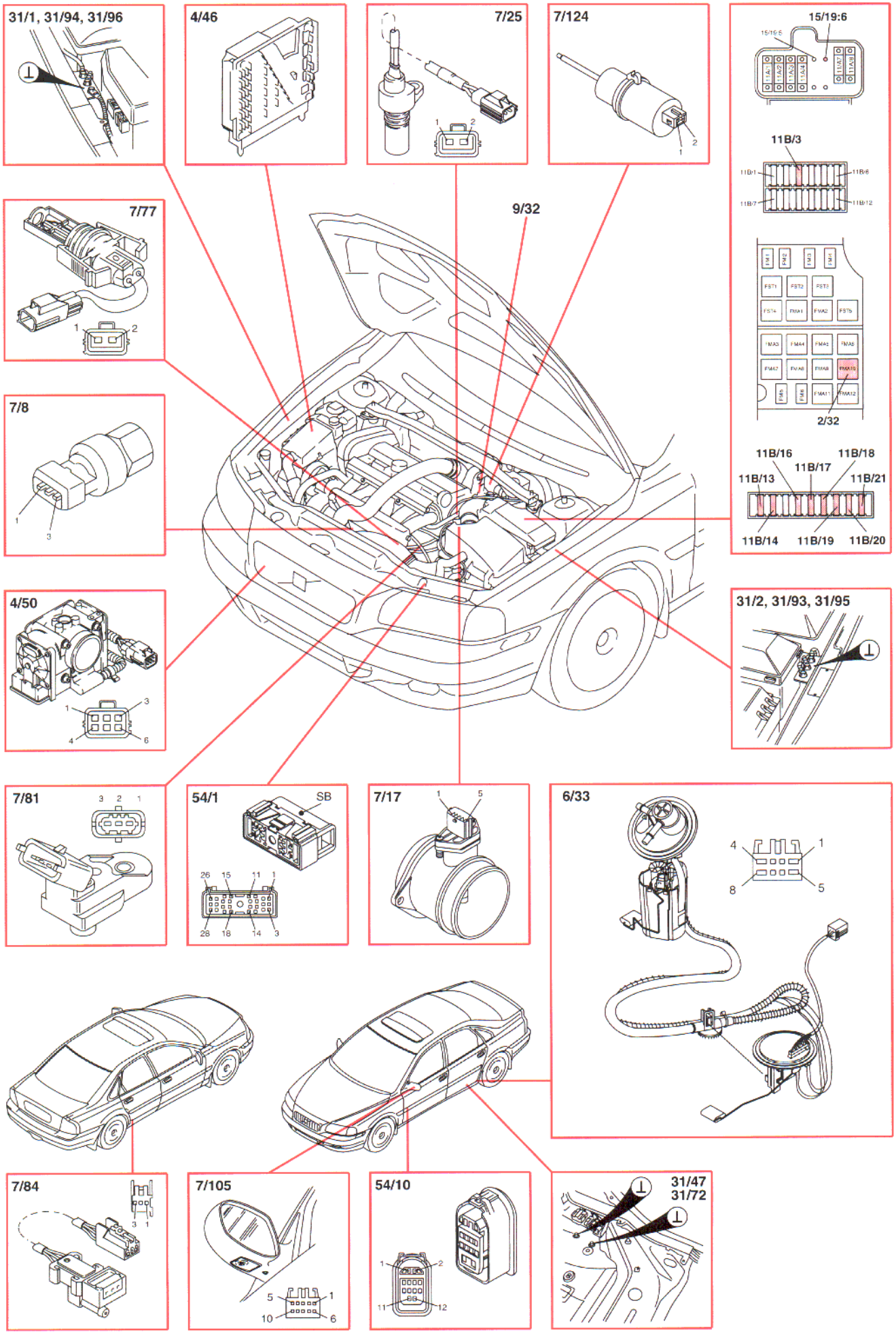
31/94
Alarm siren

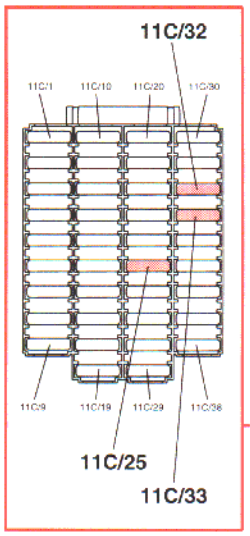
31/95
ABS control module

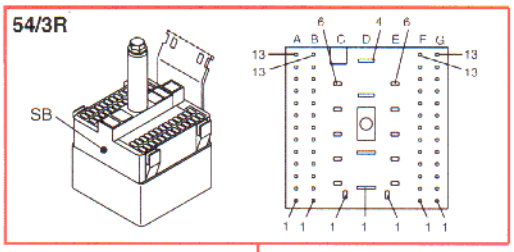
31/96
Engine control module (ECM)
Transmission control module (TCM)
Solenoids automatic transmission
Gear shift position switches
Back-up (reversing) lamps switch

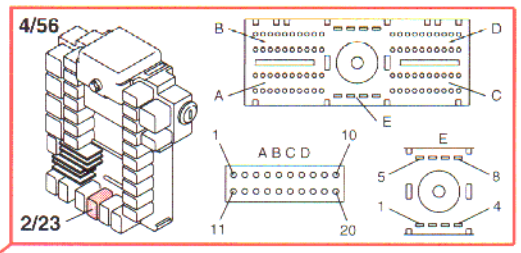

30+
11B/3
11B/4
11C/25
11C/26
11C/32
11C/33
R-SB
A
B
C
Y-W
4/46
ECM
B:38
B:11
3/1
3/9
Position
Terminal
Key Out
BL-R
Y-W
54/3RG
B:37
BL-R
B:46
GR
53/443
5/1:4
B:26
Y
B:45
R-SB
53/365
54/3RG
4/56
CEM
CMI12
2/23
B:17
B:18
D:2
D:3
C:14
BL
A:20
D:6
DENSO
B:23
Y-W
54/3RF
2/35:2
B:22
W
54/3RG
4/28B:22
AUTO
B:15
SB
BN
MAN
7/123
17/13
7/124
B:16
BL
B:10
W
B:31
GR
54/3RG
7/84
B:4
BN
B:29
W
53/324
54/10
6/33
B:1
B:13
6/62
B:44
BL-W
2/22:4
7/105
B:5
GR
B:17
BN
B:9
W
B:25
BL
7/51
53/329
SB
31/93
31/47
BL-GN

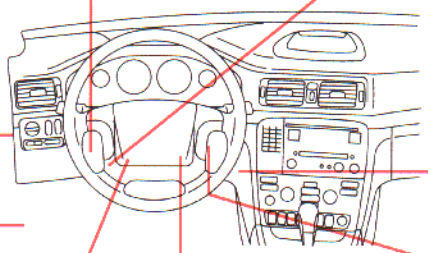
Engine management system
Denso

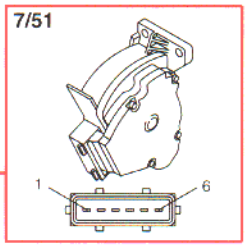


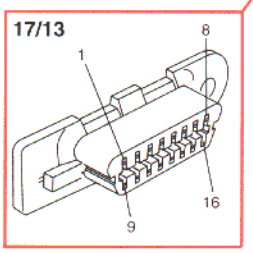

11C/32
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38
11C/25
11C/33

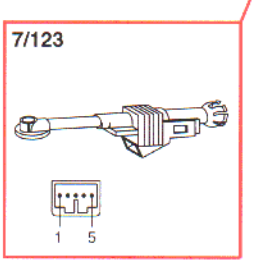

54/3R
SB
A B C D E F G
13
13
1 1 1 1 1 1 1

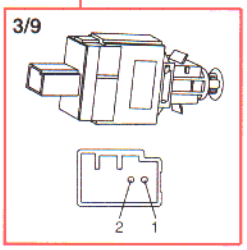

4/56
2/23
B
D
A
C
E
1
10
A B C D
11
20
E
5
8
1
4

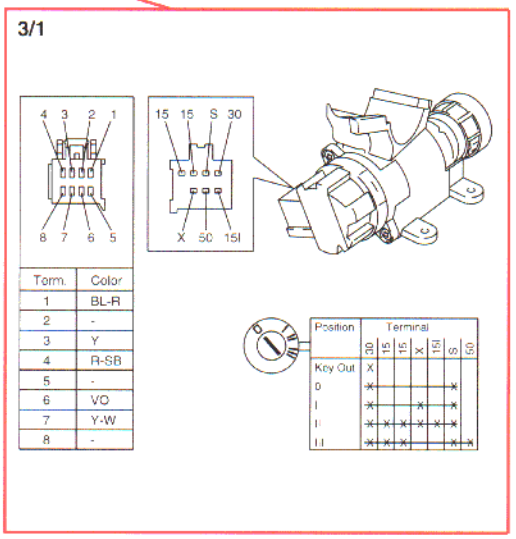


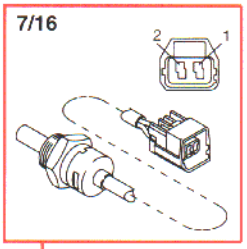

7/51
1
6

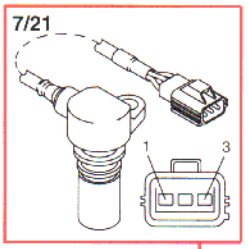

17/13
1
8
9
16

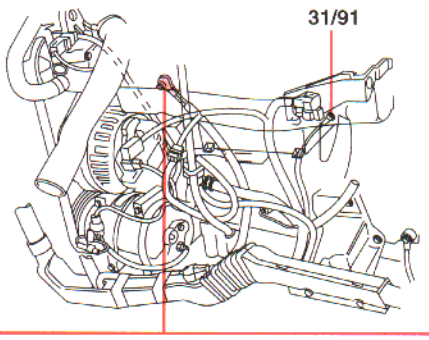

7/123
1 5

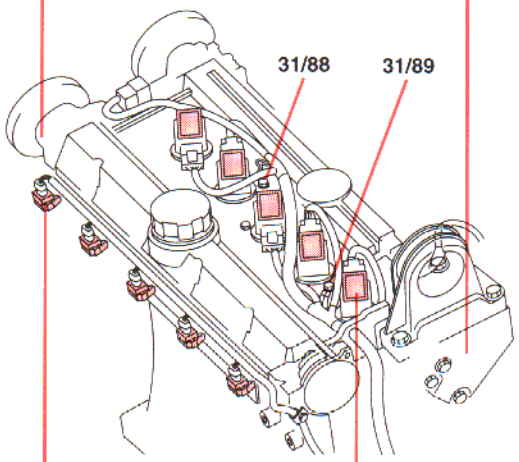

3/9
2 1

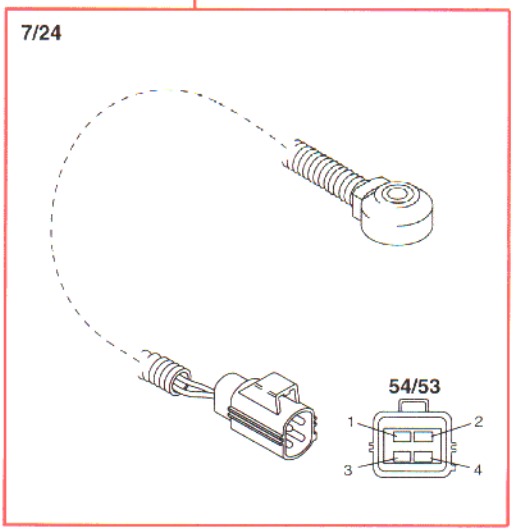

3/1
4 3 2 1
8 7 6 5
15 15 S 30
X 50 15I
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
Position
Terminal
30
15
15
X
15I
S
50
Key Out
0
I
II
III

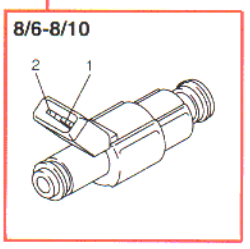

7/16
2
1

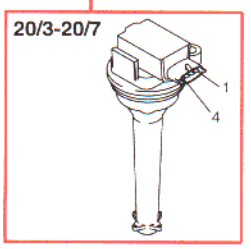

7/21
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3

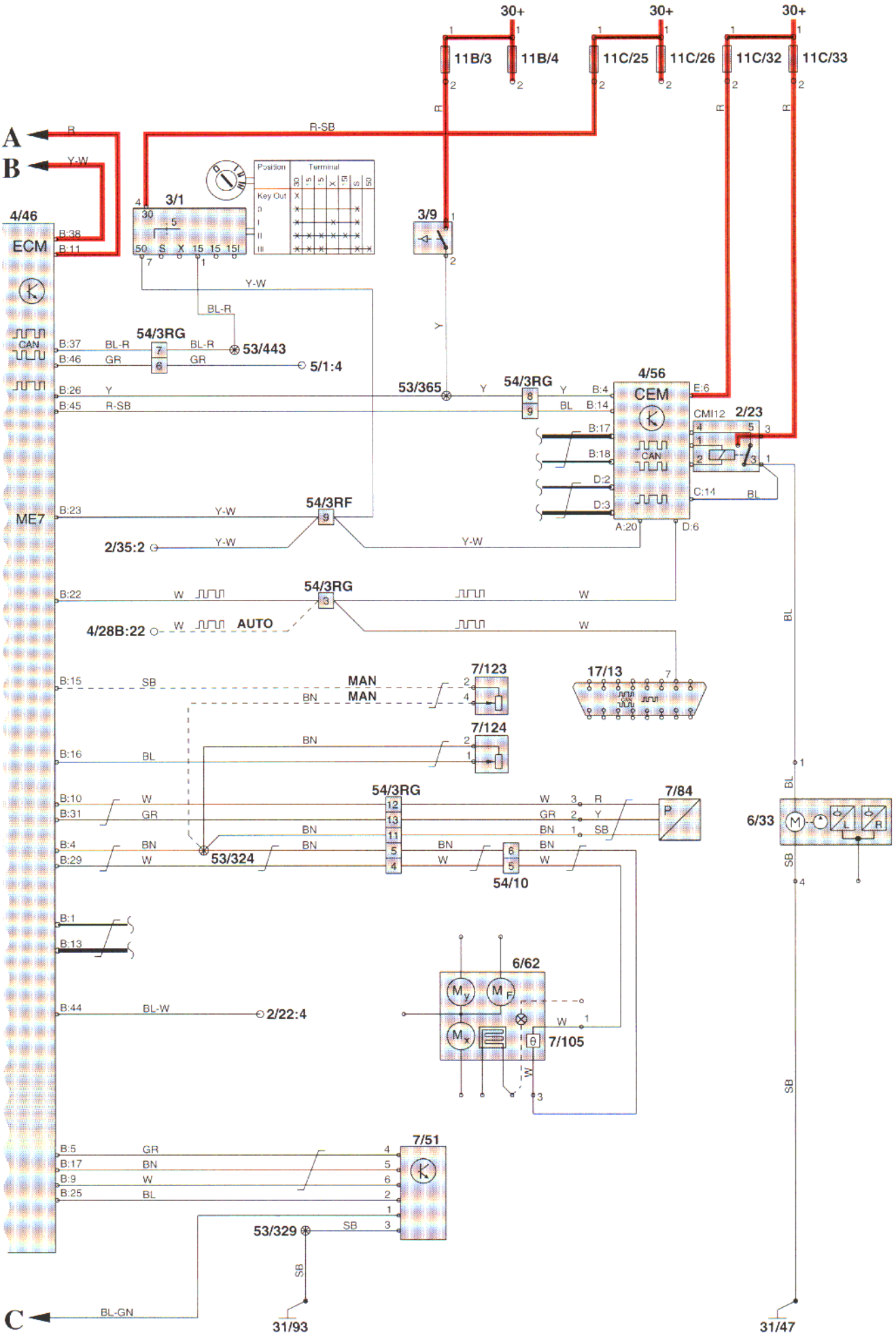

31/91


31/88
31/89

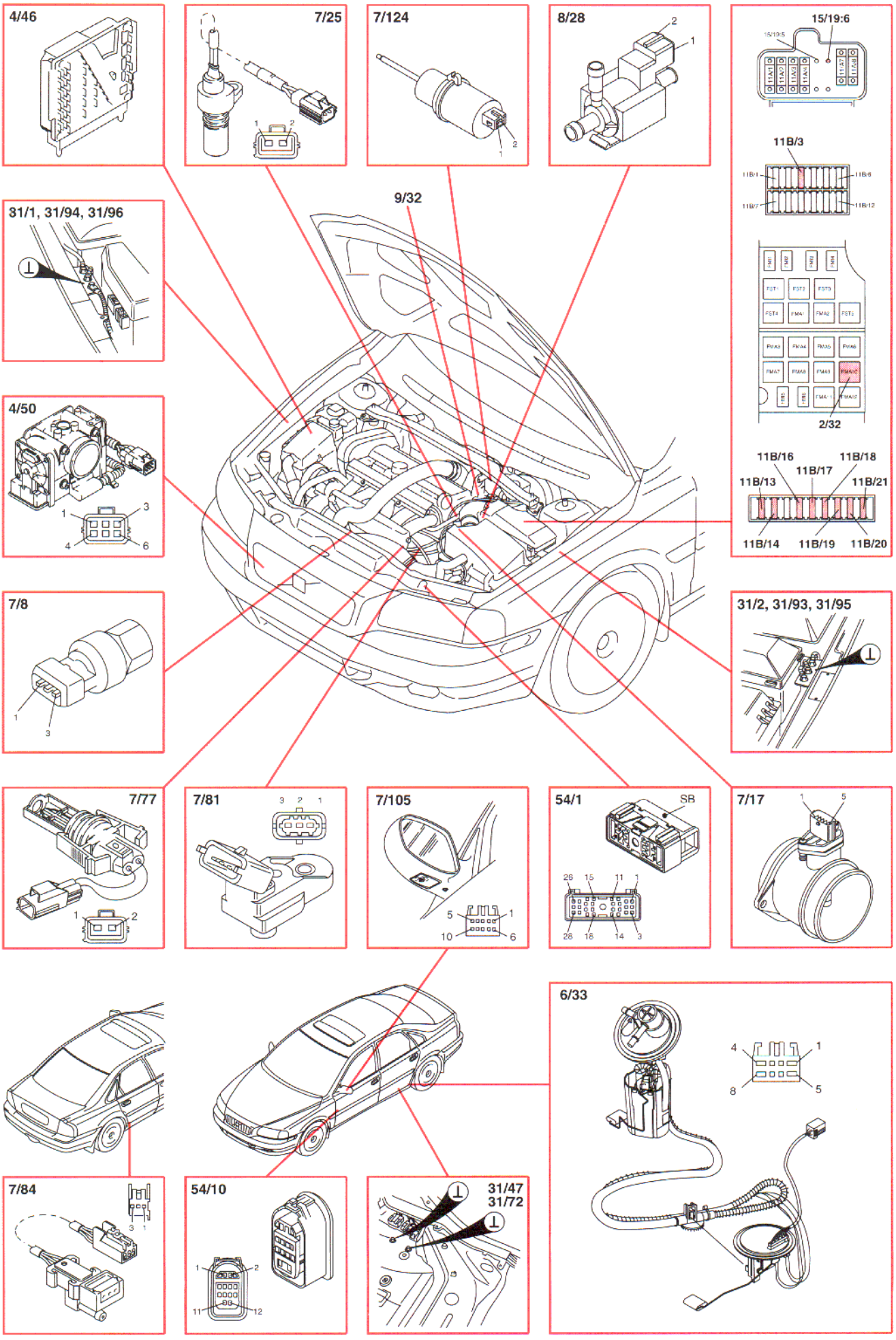

7/24
54/53
1
2
3
4


8/6-8/10
2
1

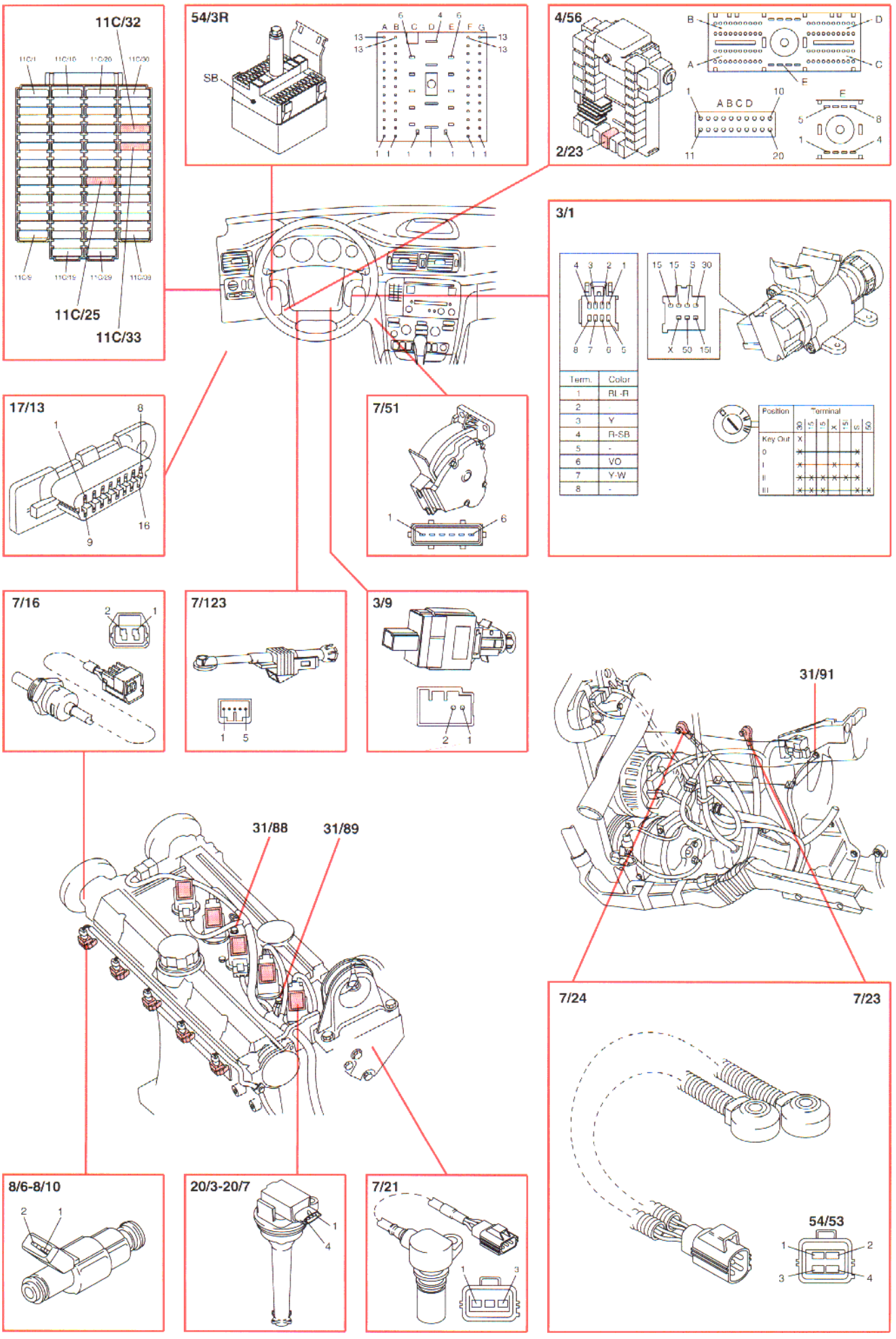

20/3-20/7
1
4


30+
11B/3
11B/4
11C/25
11C/26
11C/32
11C/33
A
B
C
R
R-SB
Y-W
3/1
3/9
4/46
ECM
B:38
B:11
Position
Terminal
Key Out
54/3RG
53/443
5/1:4
53/365
4/56
CEM
E:6
CMI12
2/23
B:4
B:14
B:17
B:18
D:2
D:3
A:20
D:6
C:14
BL
ME7
B:23
54/3RF
2/35:2
B:22
W
AUTO
4/28B:22
B:15
SB
MAN
BN
7/123
17/13
7/124
B:16
BL
B:10
B:31
W
GR
54/3RG
7/84
B:4
B:29
53/324
54/10
6/33
B:1
B:13
6/62
B:44
BL-W
2/22:4
7/105
7/51
B:5
B:17
B:9
B:25
GR
BN
W
BL
53/329
SB
31/93
31/47
BL-GN

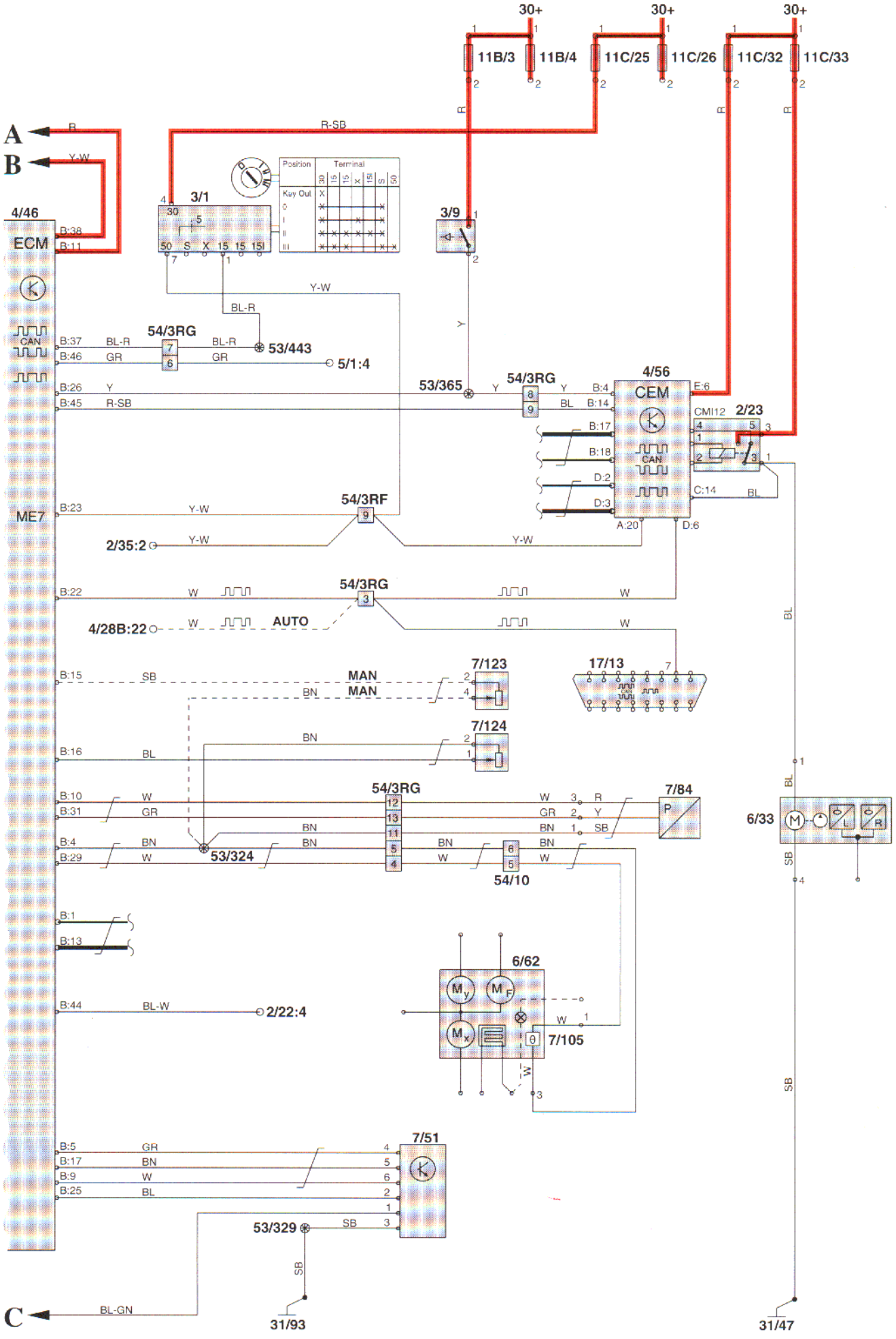
Engine management system
ME7, 5 cylinder engines



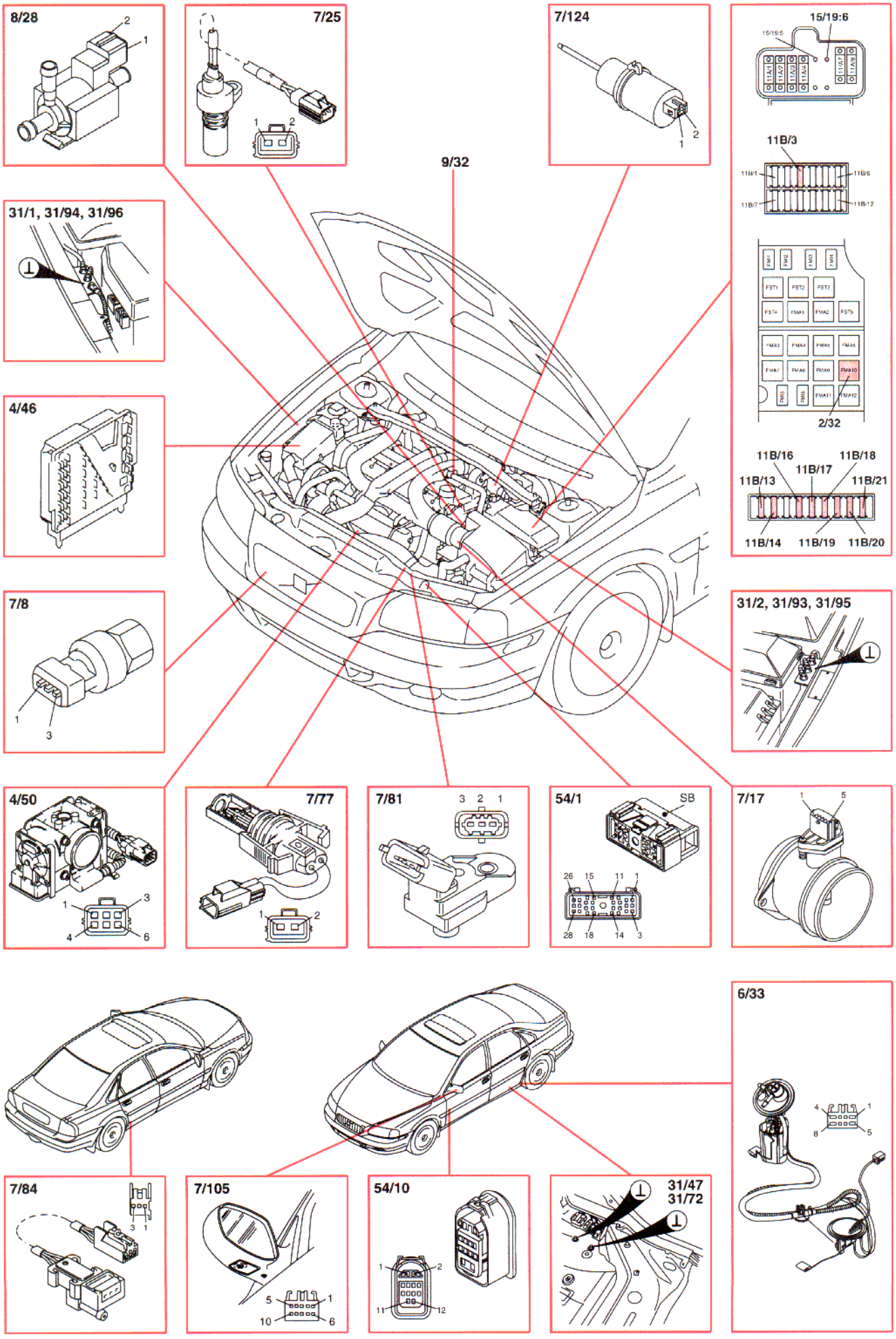
Engine management system
ME7, 5 cylinder engines

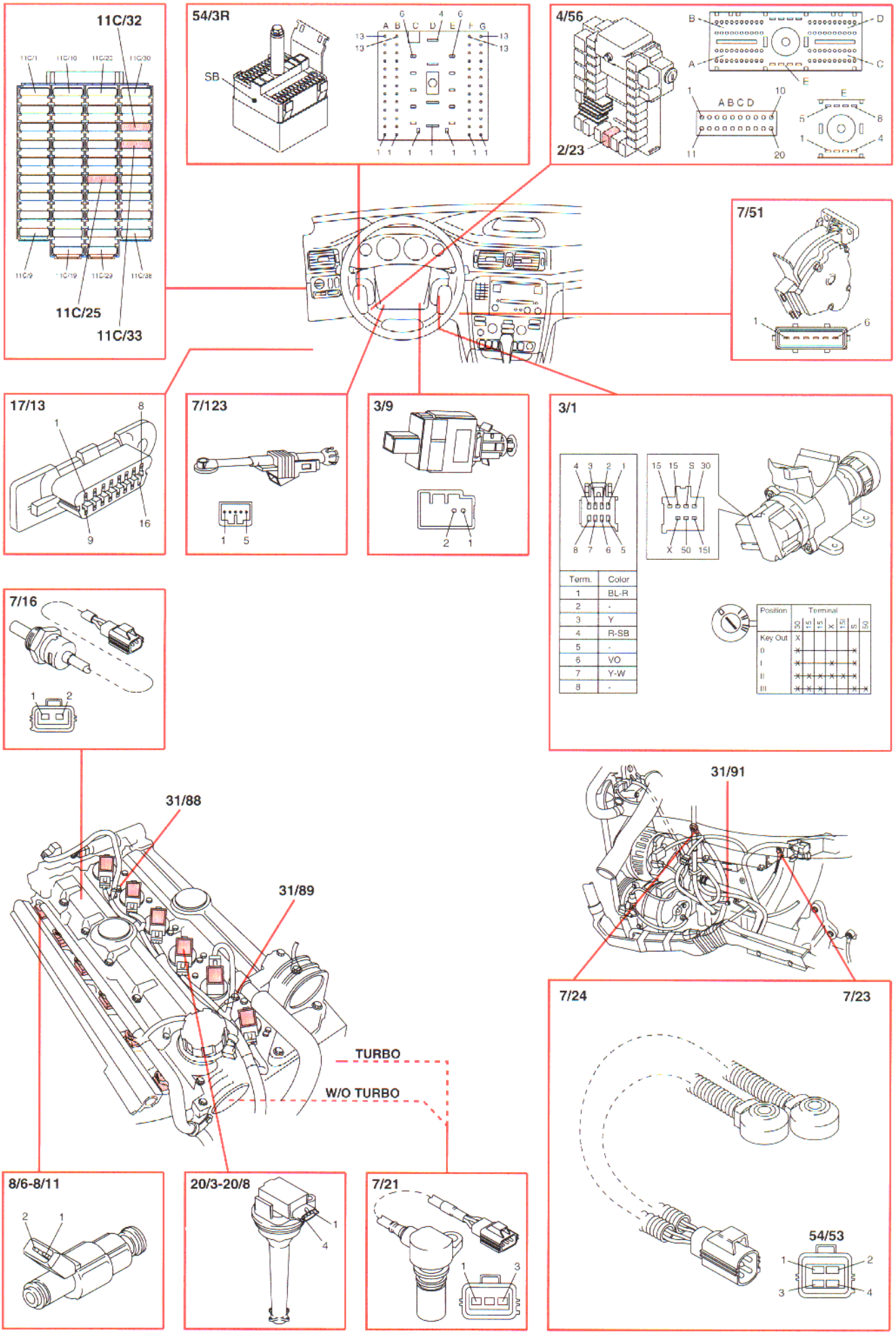


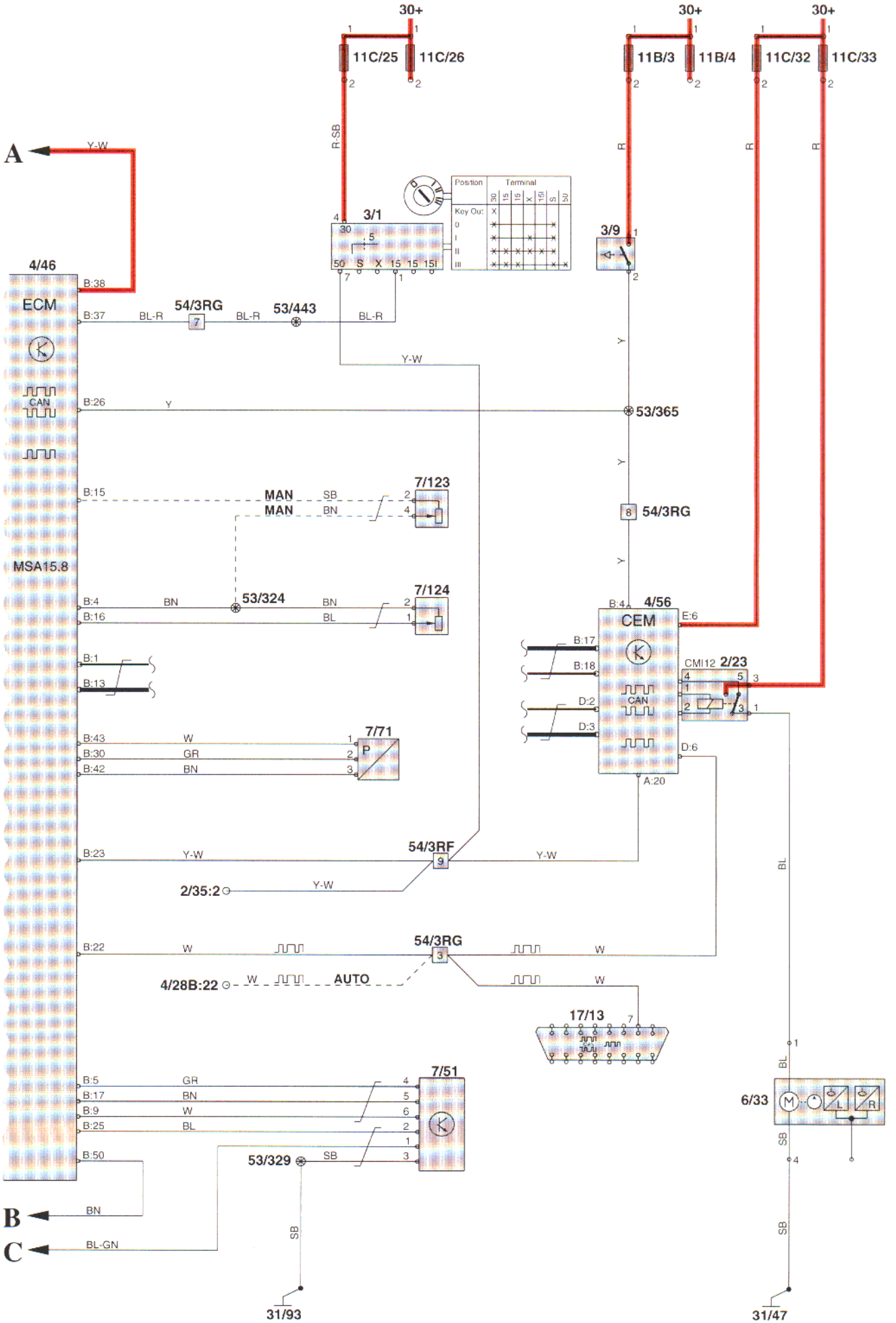
Engine management system
ME7, 6 cylinder engines



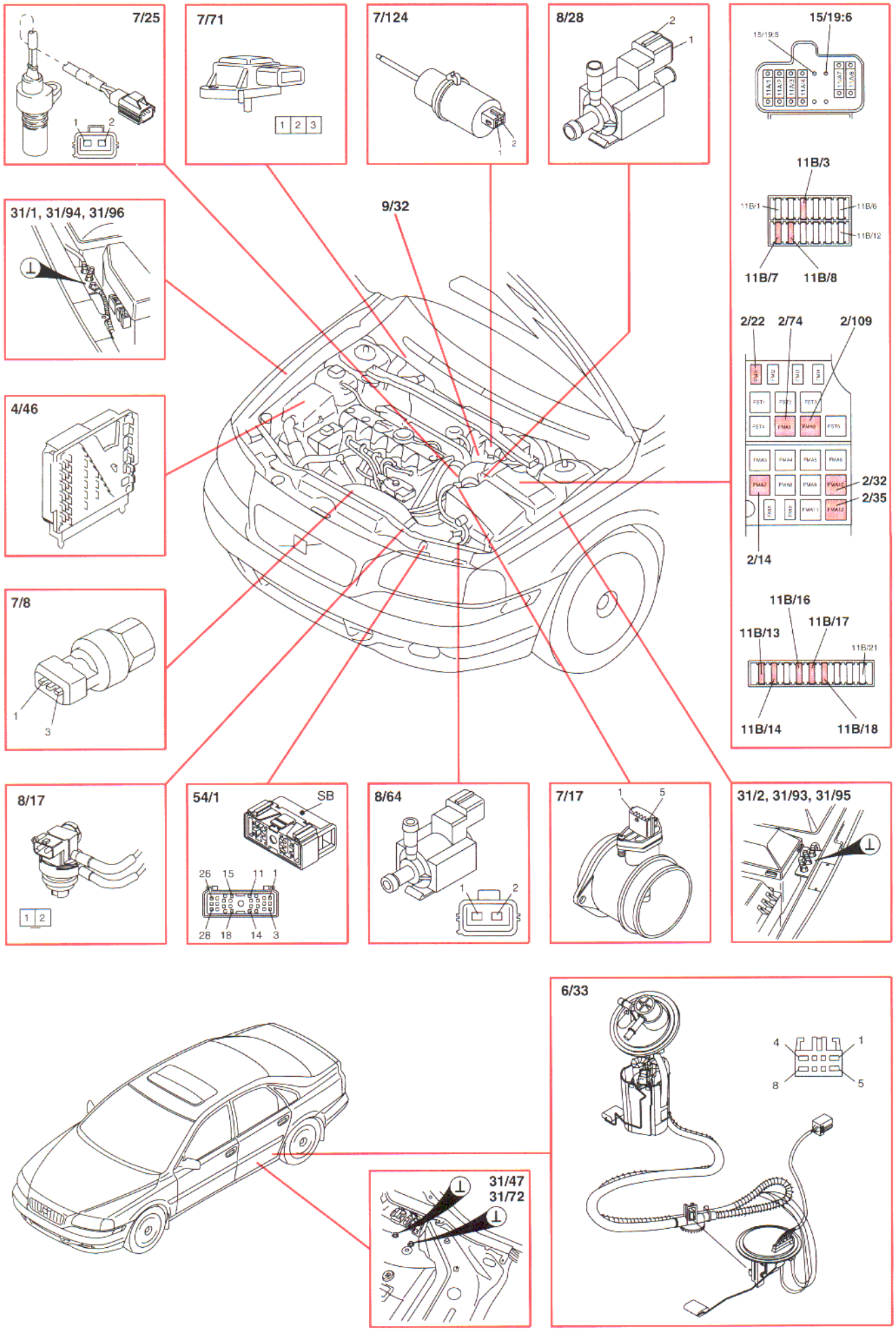
Engine management system
ME7, 6 cylinder engines



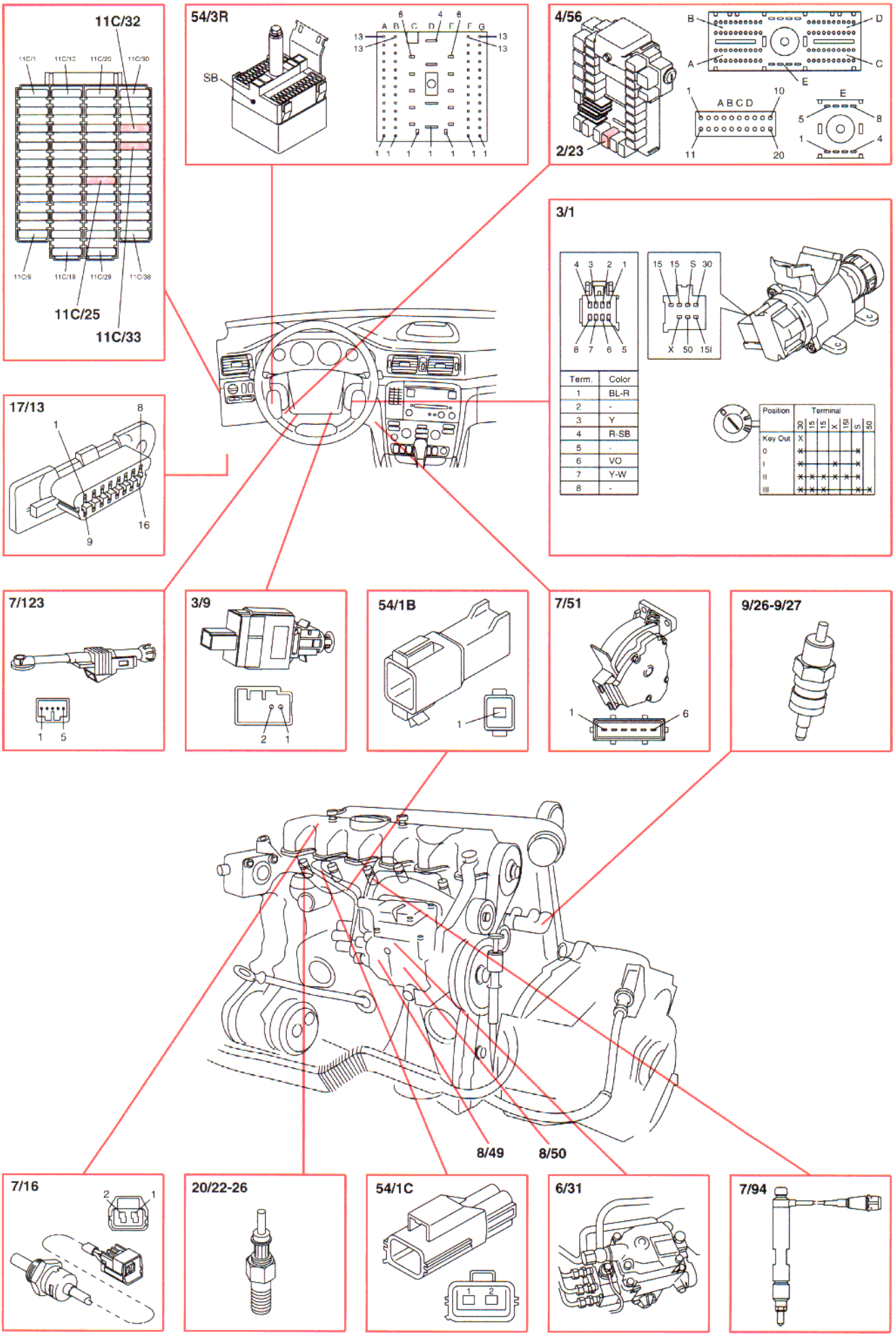

11C/32
11C/25
11C/33
54/3R
SB
4/56
2/23
7/51
17/13
7/123
3/9
3/1
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
Position
Terminal
Key Out
7/16
31/88
31/89
31/91
TURBO
W/O TURBO
7/24
7/23
54/53
8/6-8/11
20/3-20/8
7/21

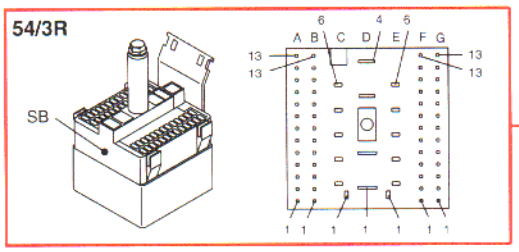

30+
11C/25
11C/26
11B/3
11B/4
11C/32
11C/33
A
Y-W
R-SB
R
3/1
3/9
Position
Terminal
Key Out
4/46
ECM
B:38
B:37
BL-R
54/3RG
53/443
Y-W
B:26
Y
53/365
CAN
MSA15.8
B:15
MAN
SB
BN
7/123
54/3RG
B:4
BN
53/324
B:16
BL
7/124
4/56
CEM
E:6
B:17
B:18
D:2
D:3
CMI12 2/23
B:1
B:13
B:43
W
B:30
GR
B:42
BN
7/71
D:6
A:20
B:23
Y-W
54/3RF
2/35:2
B:22
W
54/3RG
4/28B:22
AUTO
17/13
B:5
GR
B:17
BN
B:9
W
B:25
BL
7/51
B:50
53/329
SB
6/33
B
BN
C
BL-GN
31/93
31/47

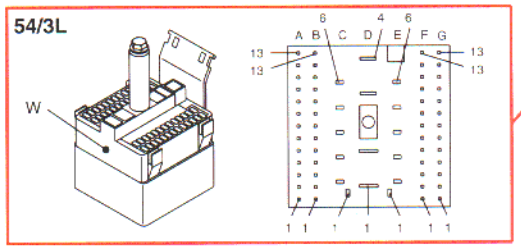
Engine management system
MSA 15.8

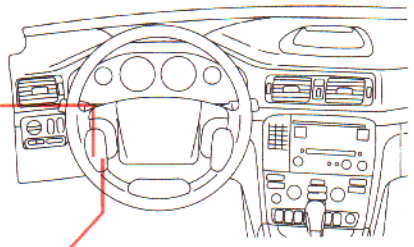


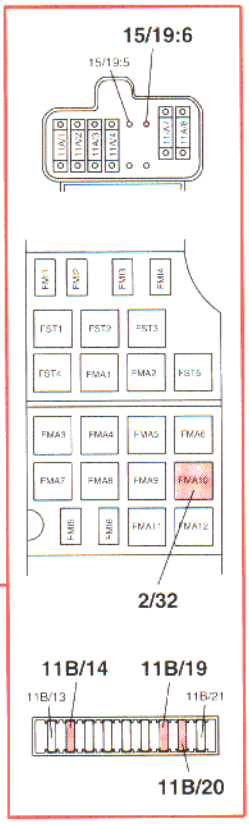
Engine management system
MSA 15.8

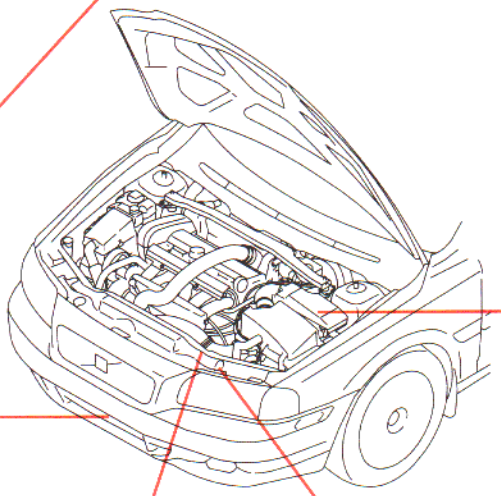


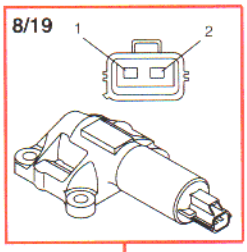

54/3R
SB
A B C D E F G
13
13

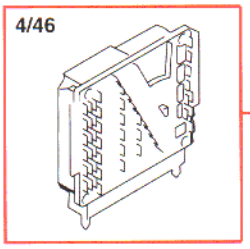

54/3L
W
A B C D E F G
13
13

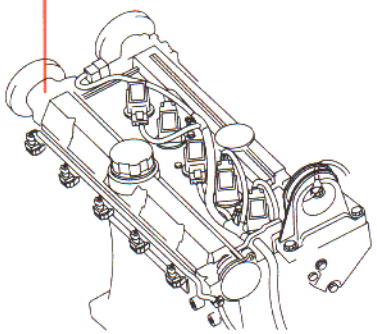


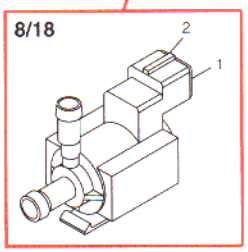

15/19:6
15/19:5
2/32
11B/14
11B/19
11B/13
11B/21
11B/20

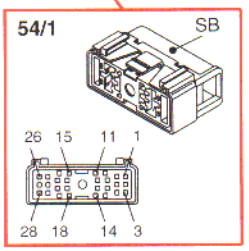


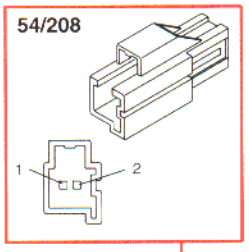

8/19
1
2

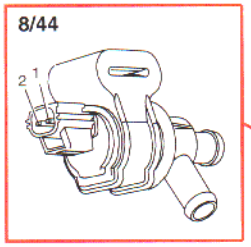

4/46

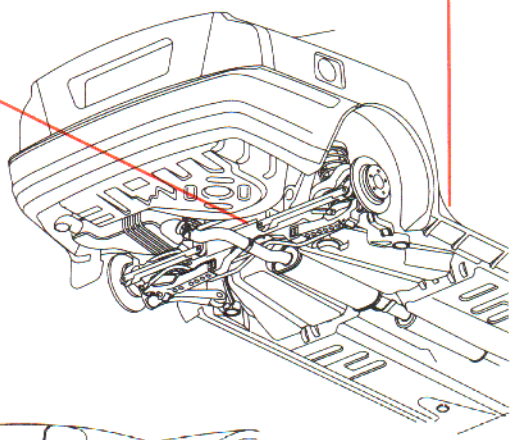


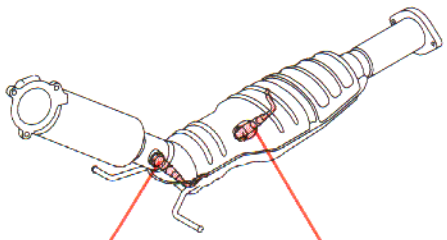

8/18
2
1

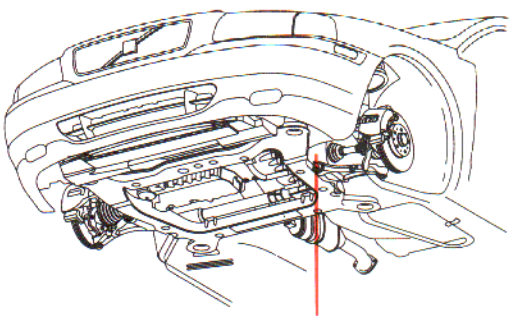

54/1
SB
26 15 11 1
28 18 14 3

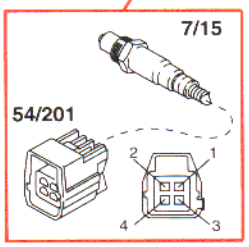

54/208
1
2

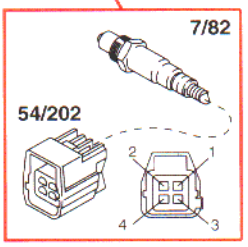

8/44
2
1

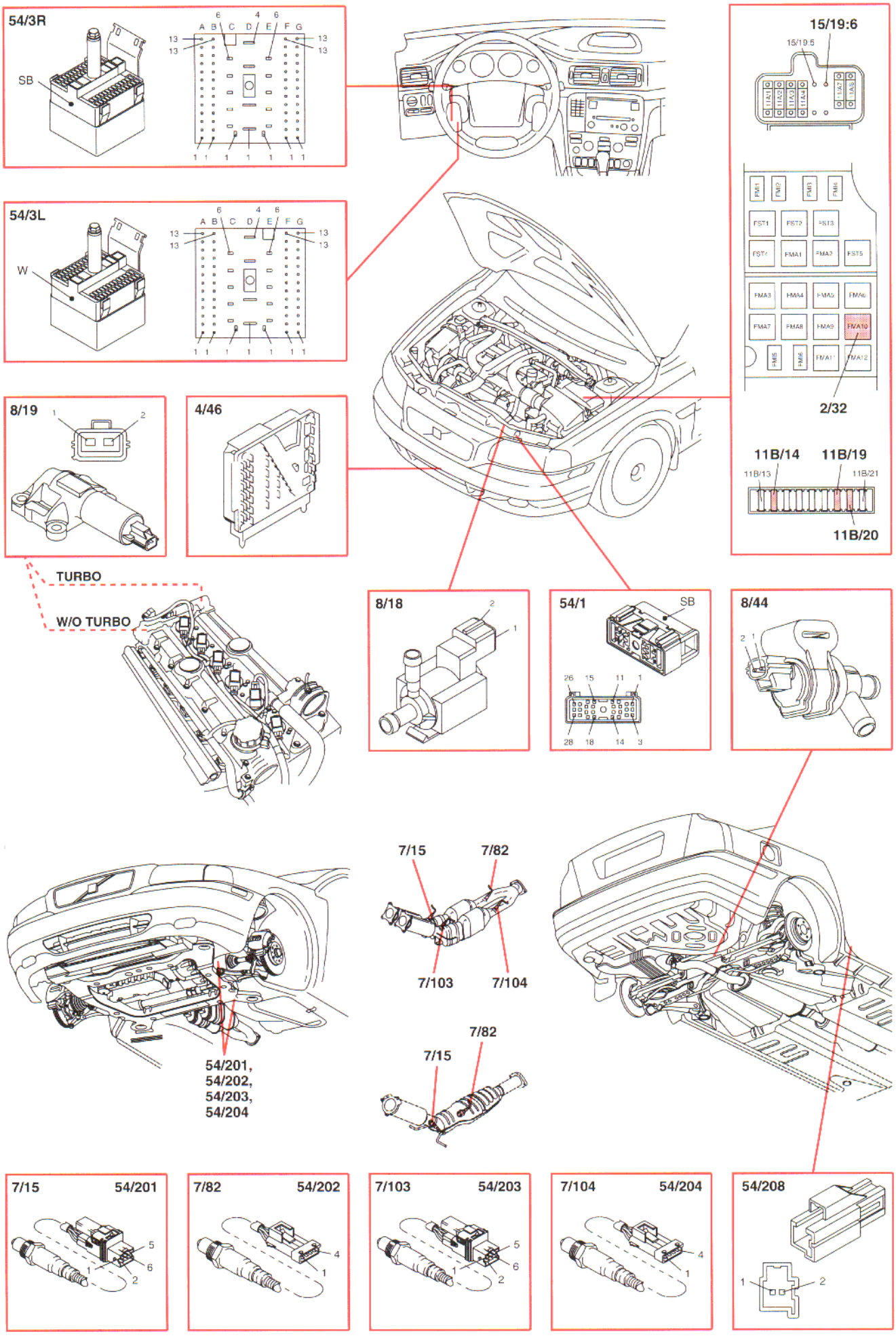




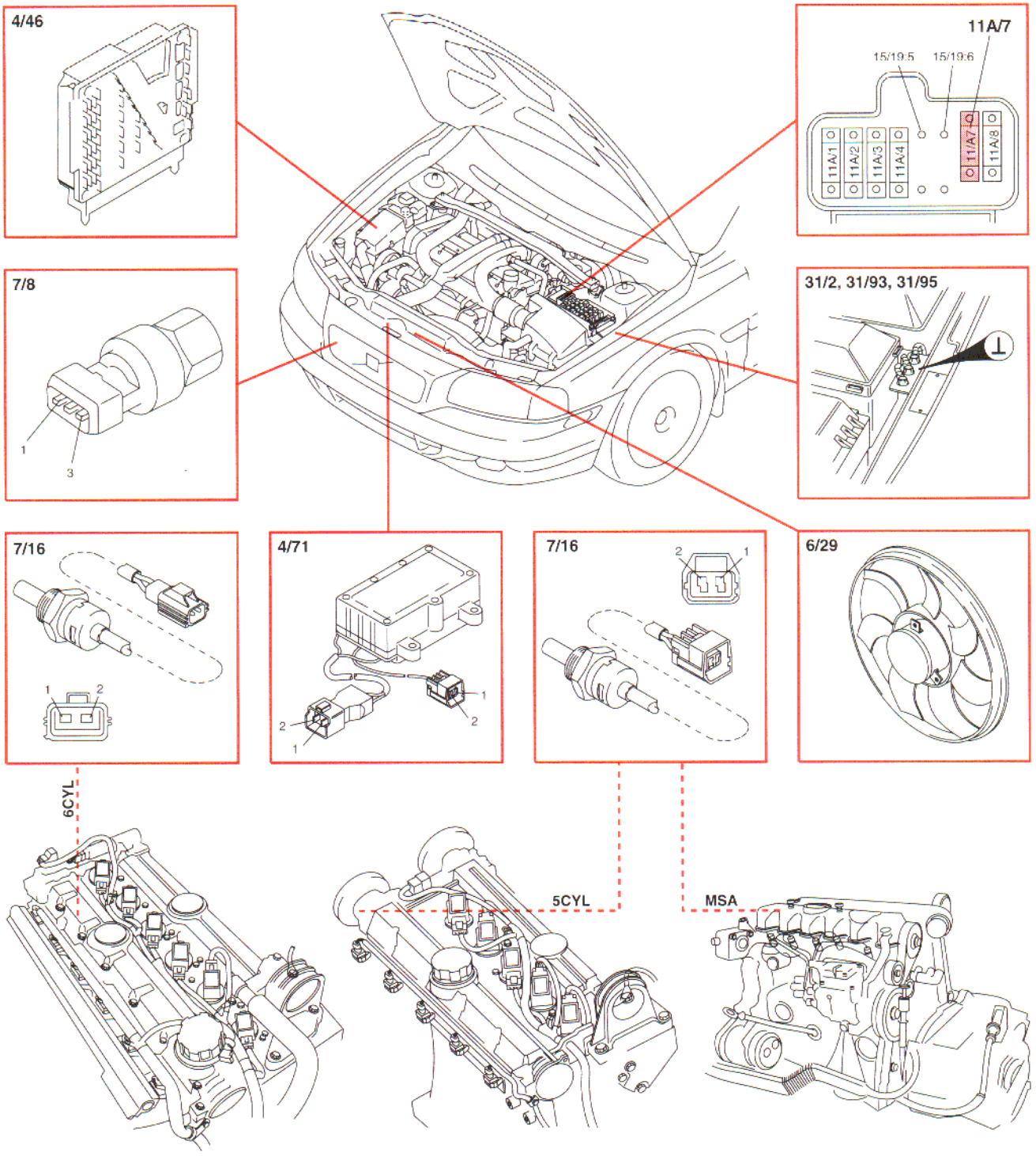

54/201,
54/202

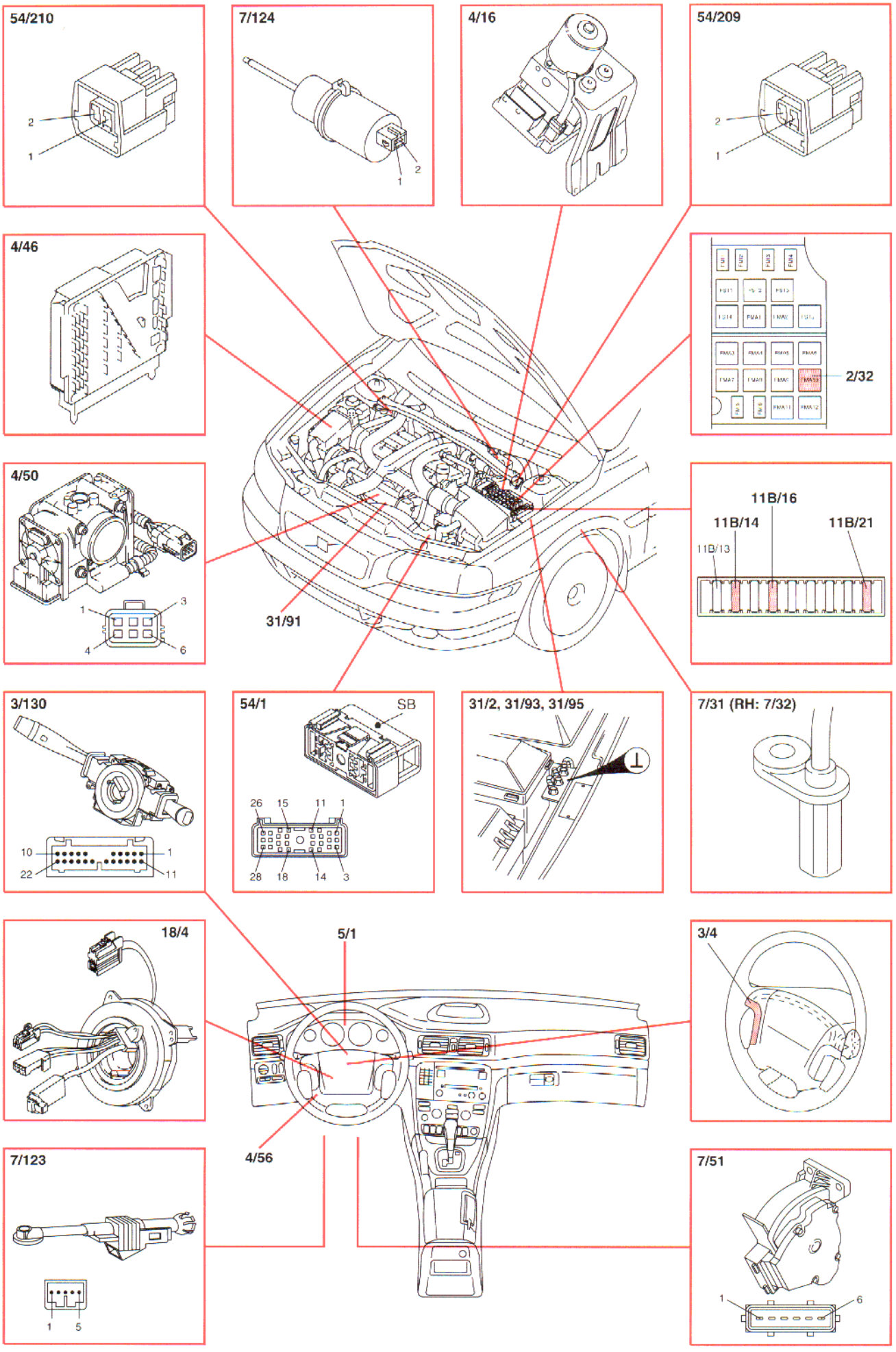

7/15
54/201
2
1
4
3

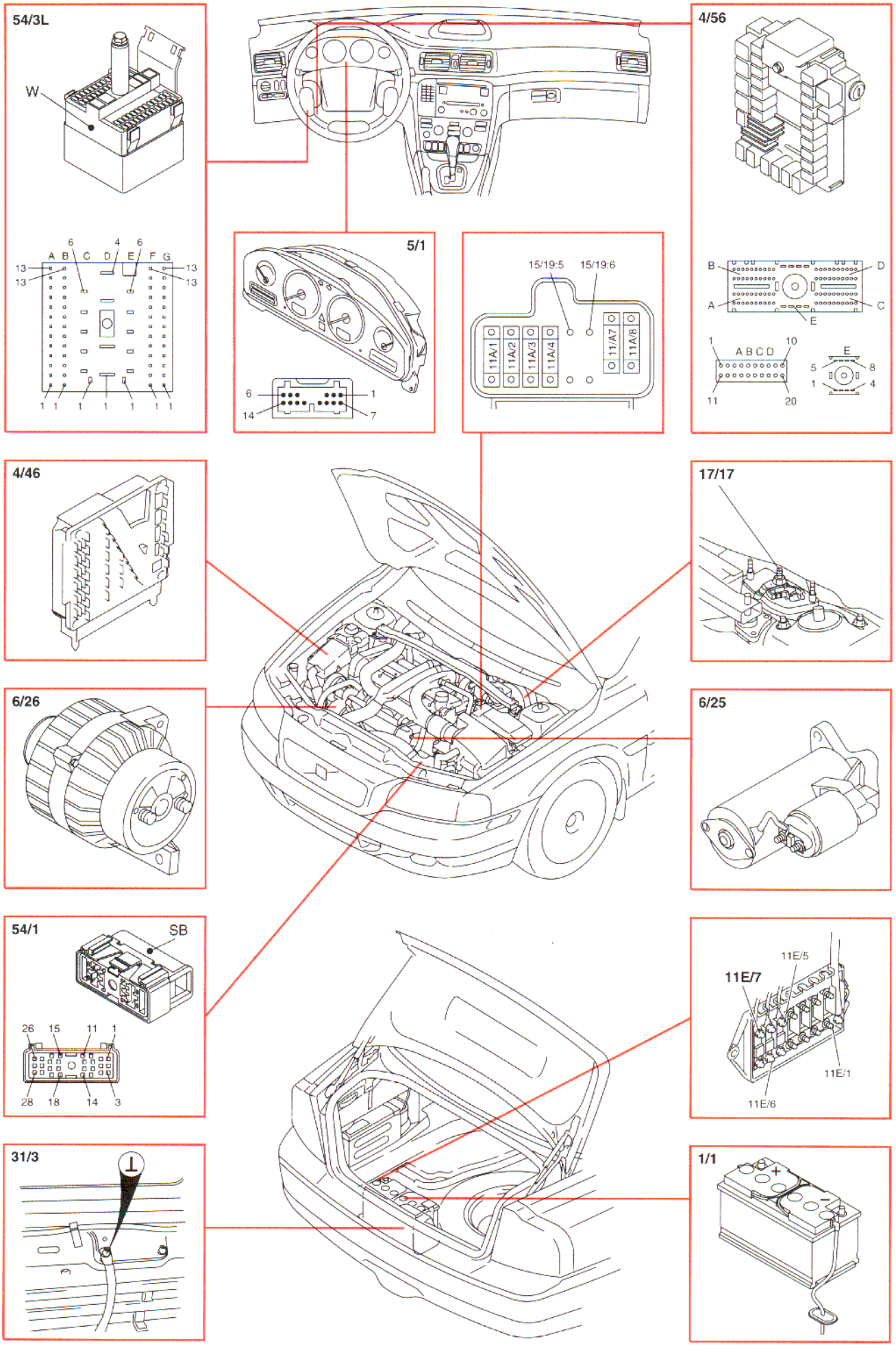

7/82
54/202
2
1
4
3

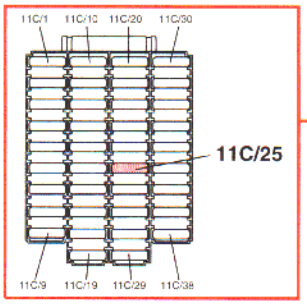

54/3R
SB
54/3L
W
15/19:6
15/19:5
2/32
11B/14
11B/19
11B/13
11B/21
11B/20
8/19
4/46
TURBO
W/O TURBO
8/18
54/1
SB
8/44
7/15
7/82
7/103
7/104
54/201,
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7/82 54/202
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7/104 54/204
54/208

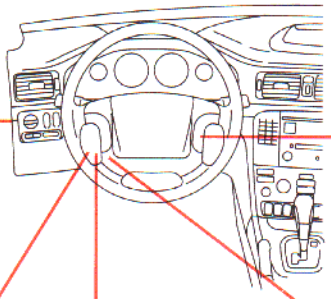
Engine cooling fan (FC)

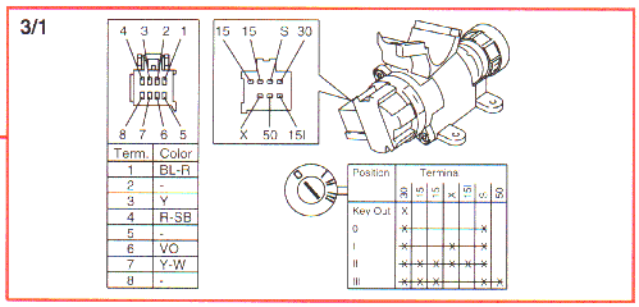


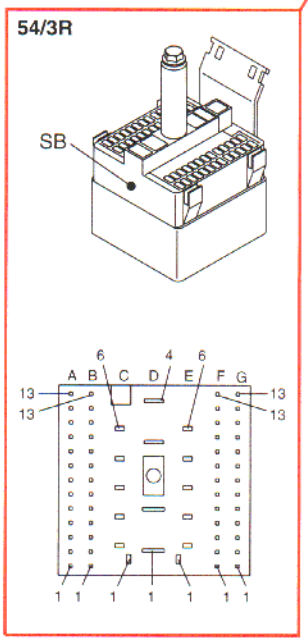

54/210
2
1
7/124
1
2
4/16
54/209
2
1
4/46
2/32
4/50
1
3
4
6
31/91
11B/16
11B/14
11B/21
11B/13
3/130
10
1
22
11
54/1
SB
26
15
11
1
28
18
14
3
31/2, 31/93, 31/95
7/31 (RH: 7/32)
18/4
5/1
3/4
4/56
7/123
1
5
7/51
1
6

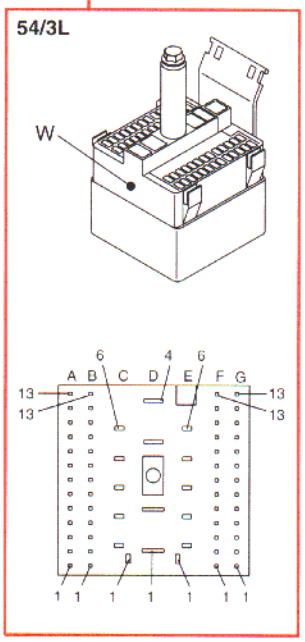

54/3L
W
A B C D E F G
13
13
13
13
1 1 1 1 1 1 1
5/1
6
1
14
7
15/19:5
15/19:6
11/A1
11/A2
11/A3
11/A4
11/A7
11/A8
4/56
B
D
A
C
E
1
10
A B C D
11
20
E
5
8
1
4
4/46
17/17
6/26
6/25
54/1
SB
26
15
11
1
28
18
14
3
11E/5
11E/7
11E/1
11E/6
31/3
1/1
+
-

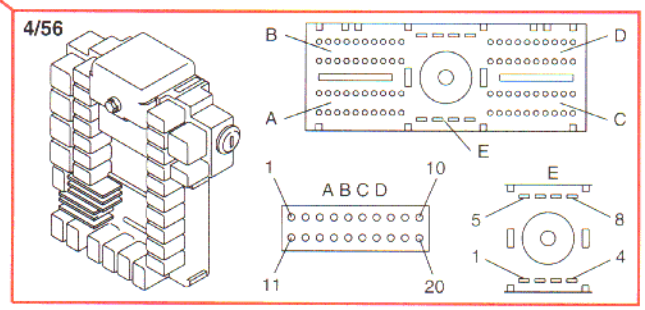

11C/1
11C/10
11C/20
11C/30
11C/25
11C/9
11C/19
11C/29
11C/38

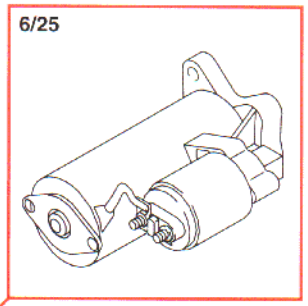


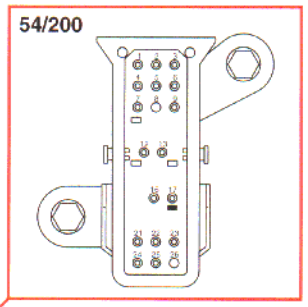

3/1
4 3 2 1
8 7 6 5
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
15 15 S 30
X 50 15I
Position
Termina
Key Out
0
I
II
III

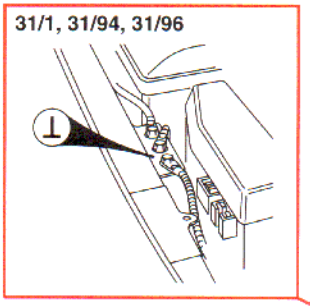

54/3R
SB
A B C D E F G
13
1

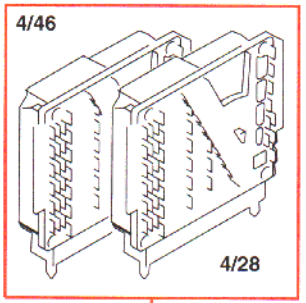

54/3L
W
A B C D E F G
13
1

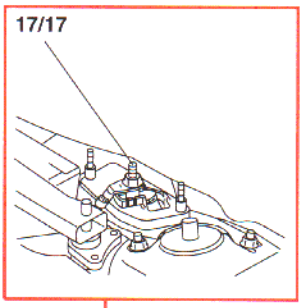

4/56
B
D
A
C
E
1
A B C D
10
11
20
E
5
8
1
4

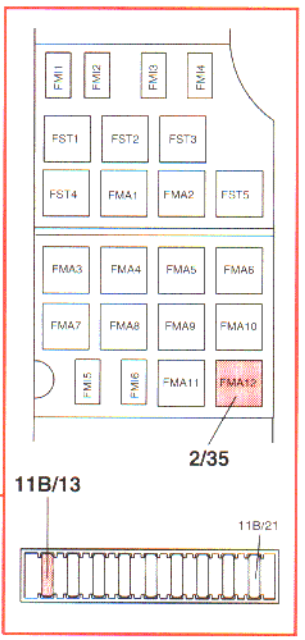

6/25

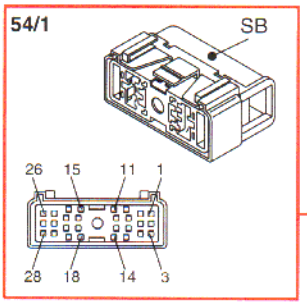

54/200

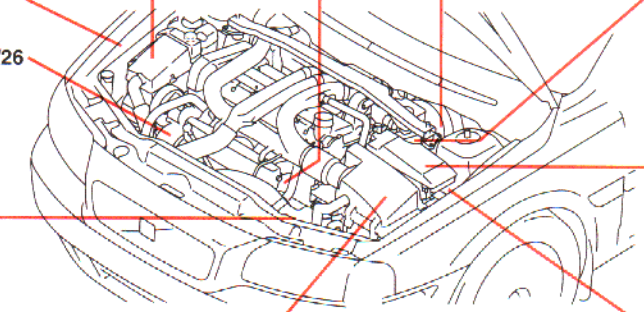

31/1, 31/94, 31/96

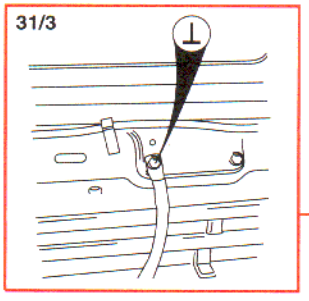

4/46
4/28

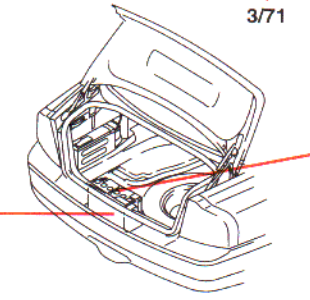

17/17

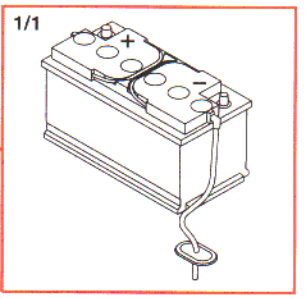

FMI1
FMI2
FMI3
FMI4
FST1
FST2
FST3
FST4
FMA1
FMA2
FST5
FMA3
FMA4
FMA5
FMA6
FMA7
FMA8
FMA9
FMA10
FMI5
FMI6
FMA11
FMA12
2/35
11B/13
11B/21

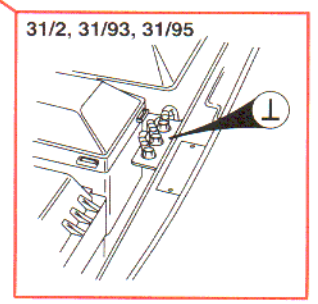

54/1
SB
26 15 11 1
28 18 14 3


6/26

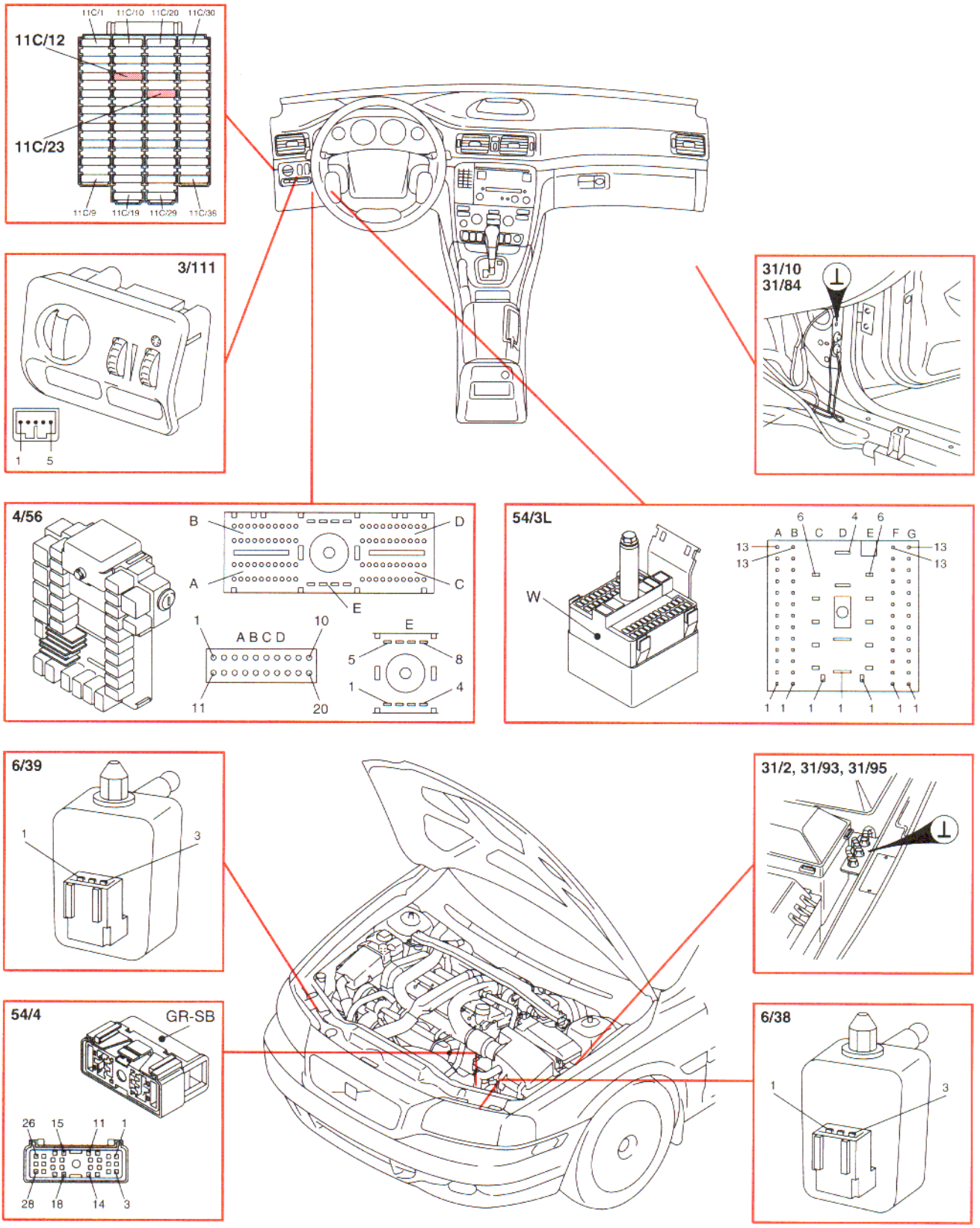

31/3

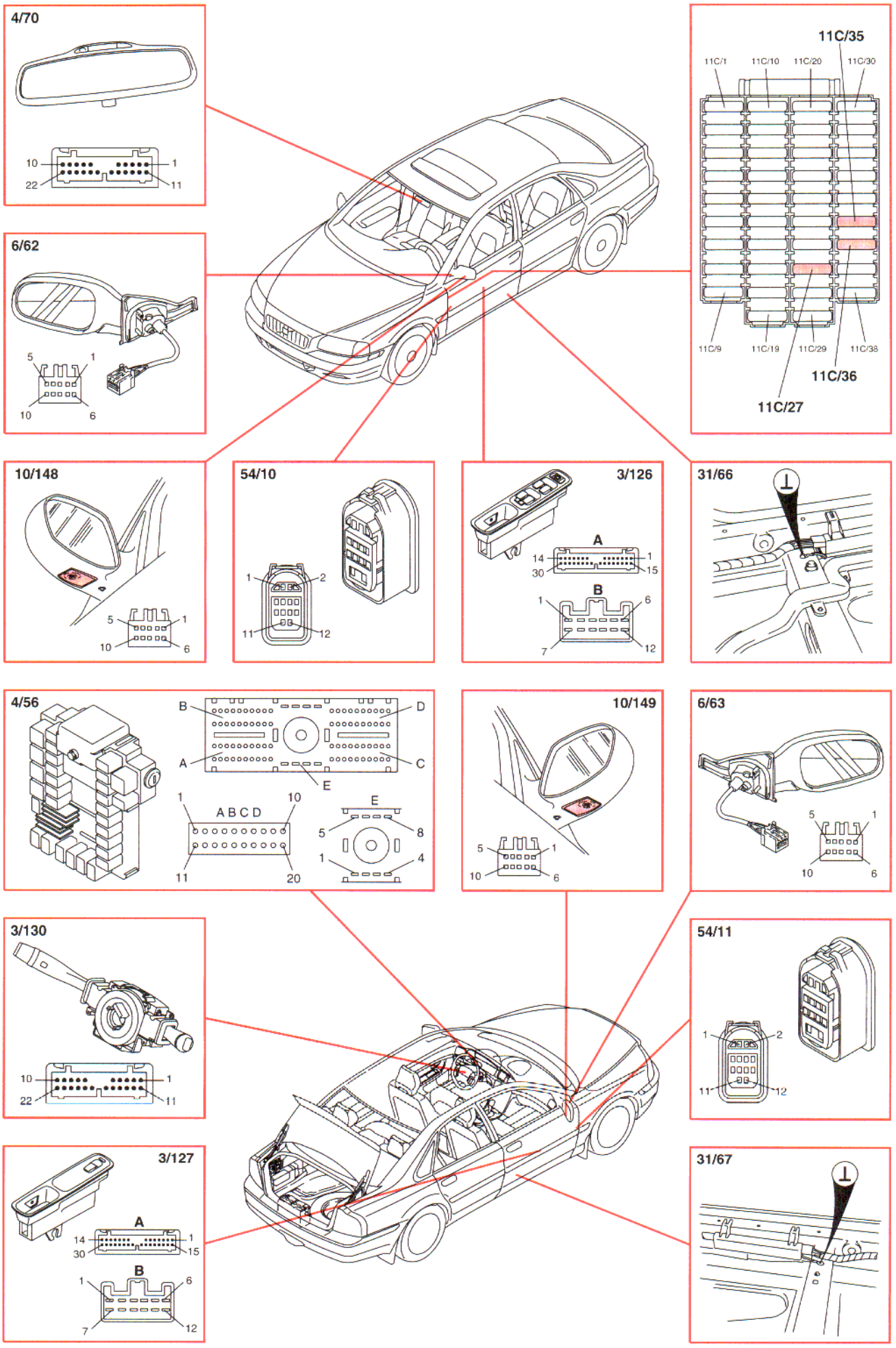

3/71

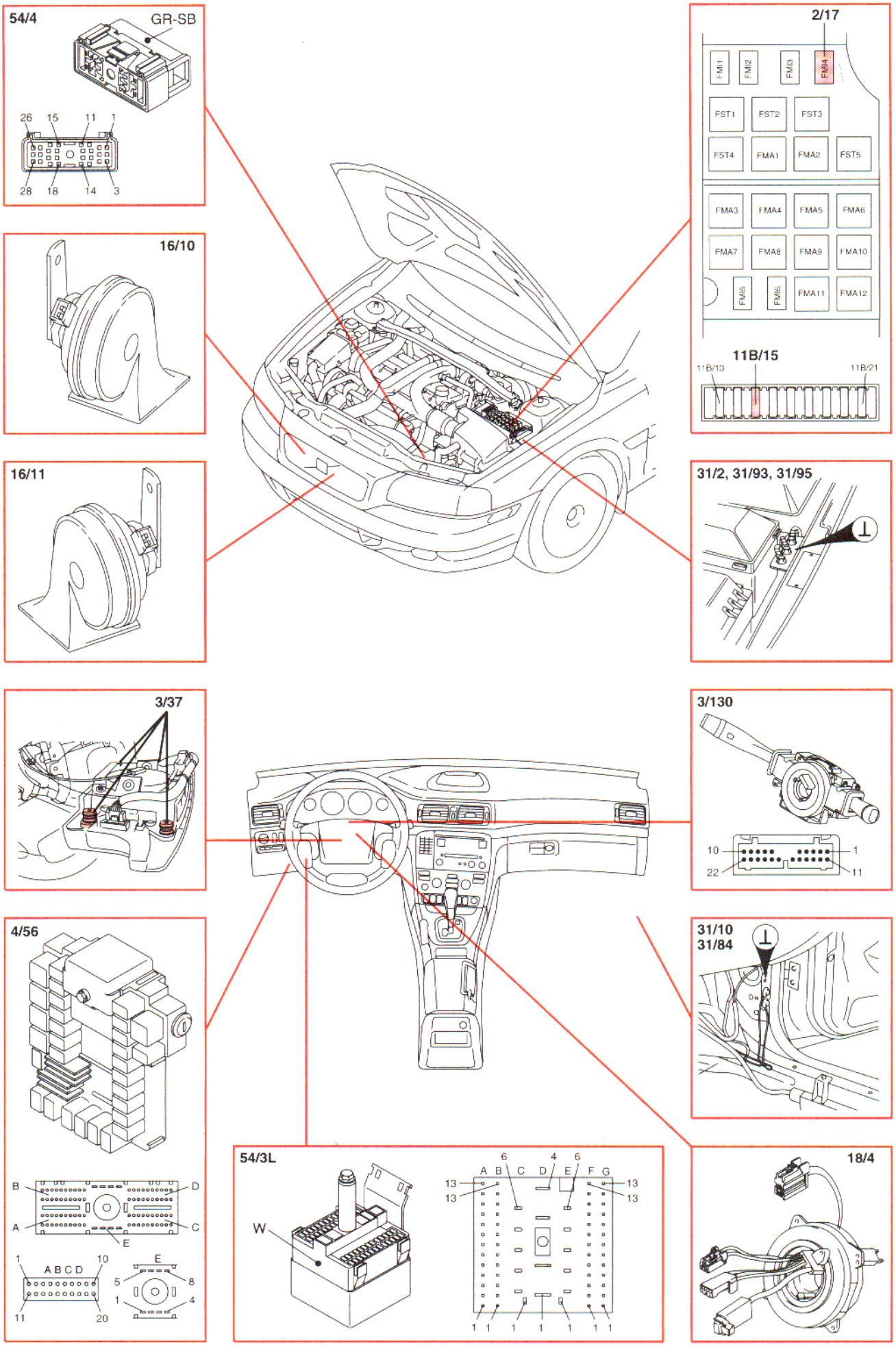

1/1
+
-

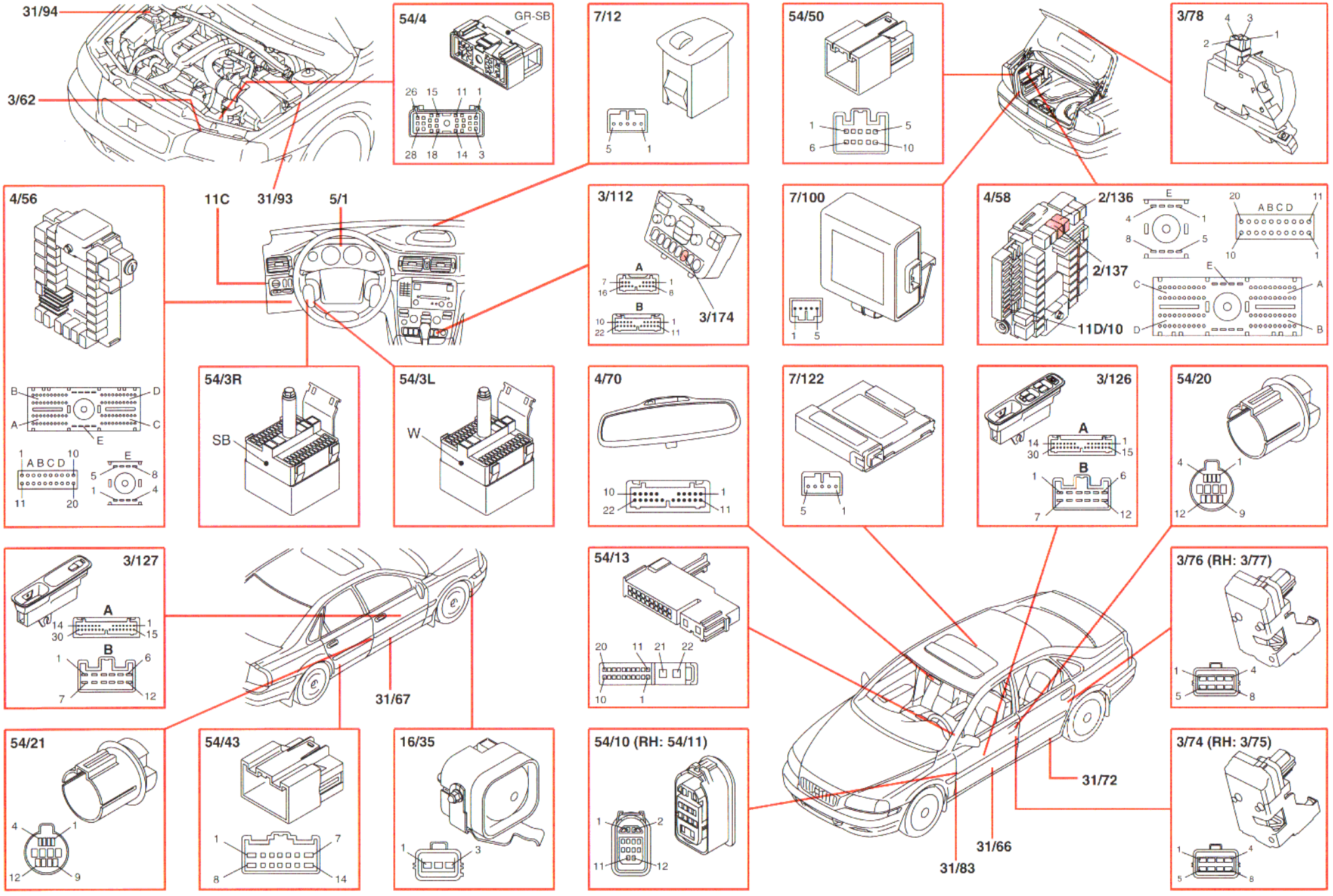

31/2, 31/93, 31/95

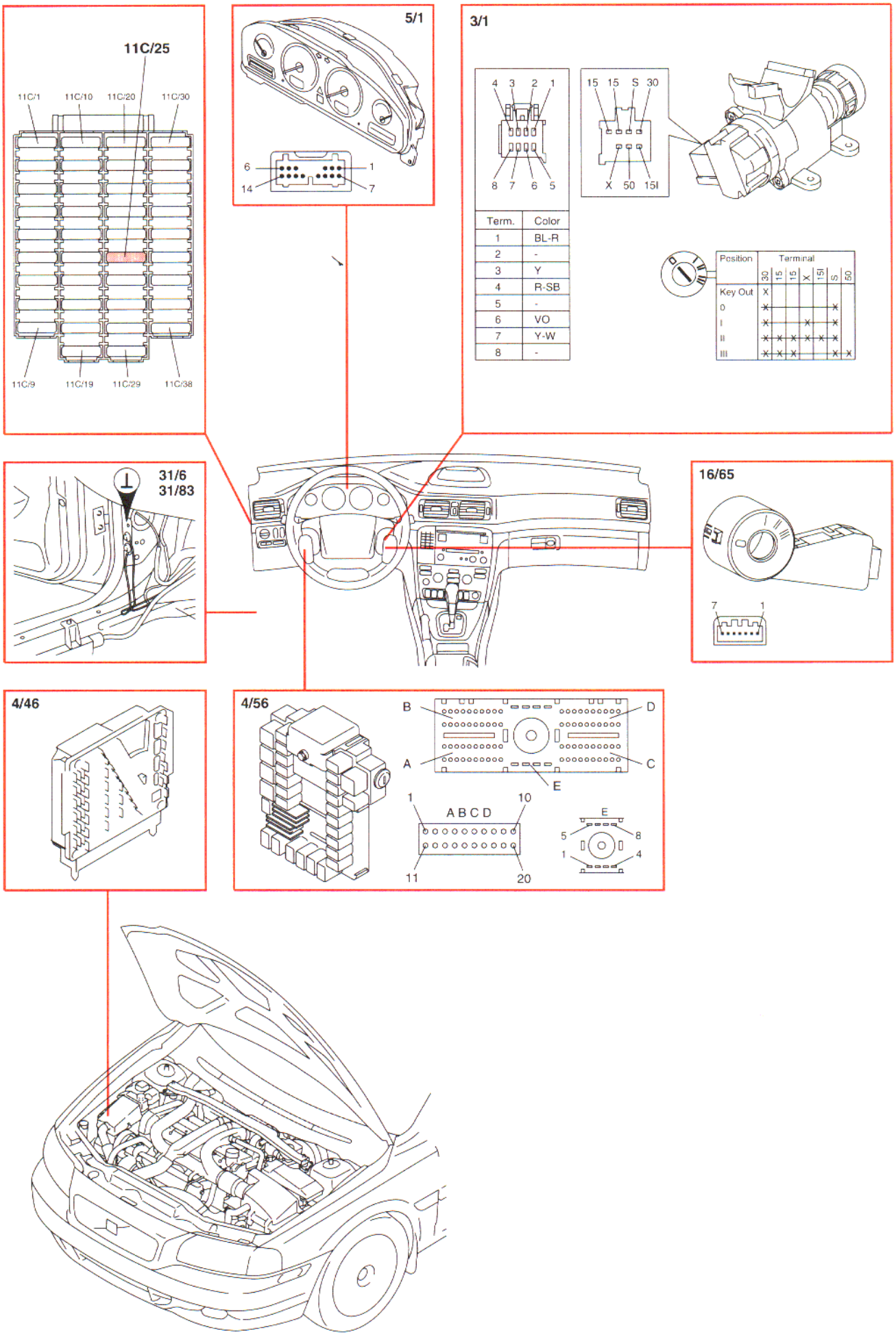
Headlamp range adjustment

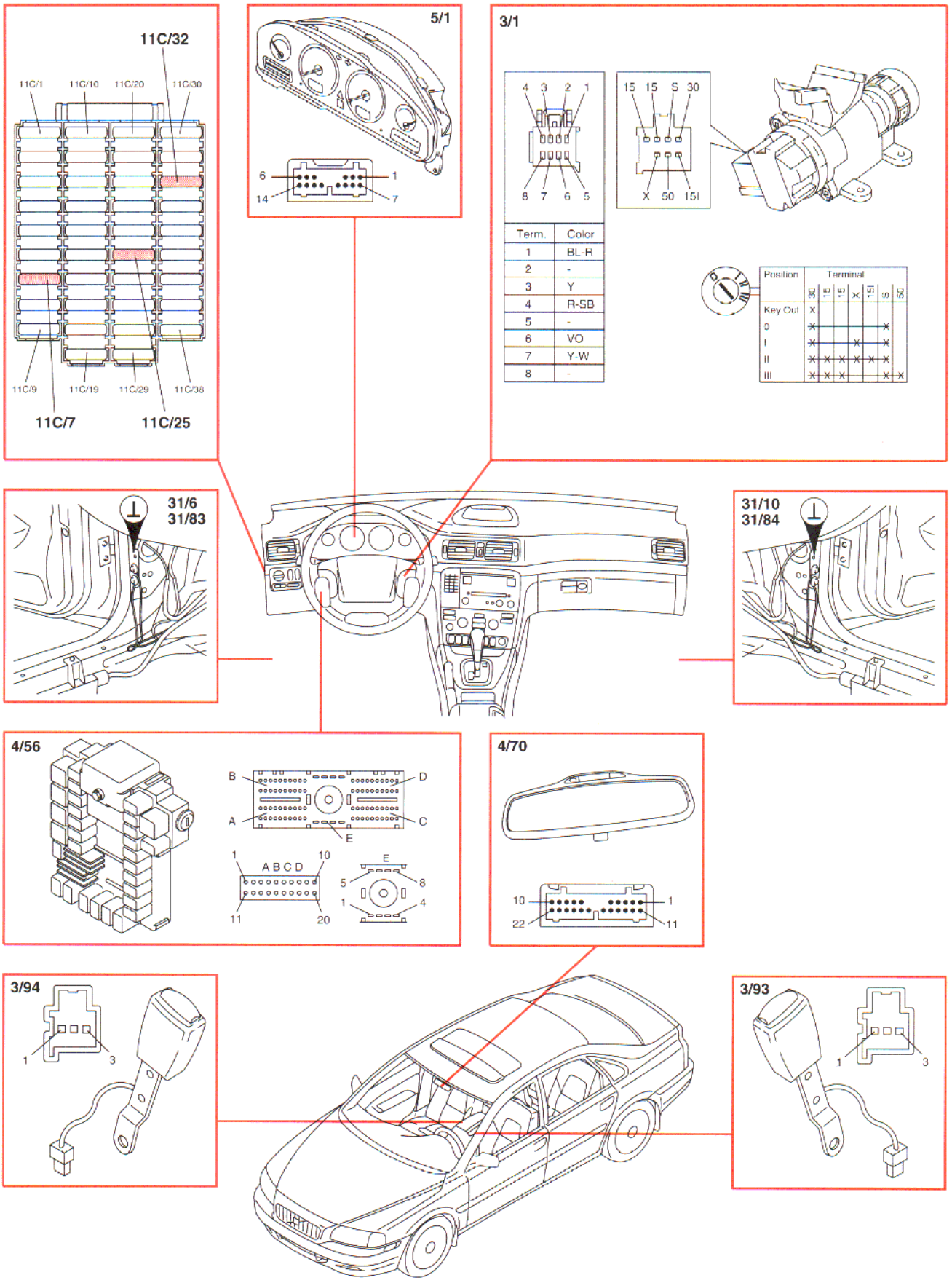


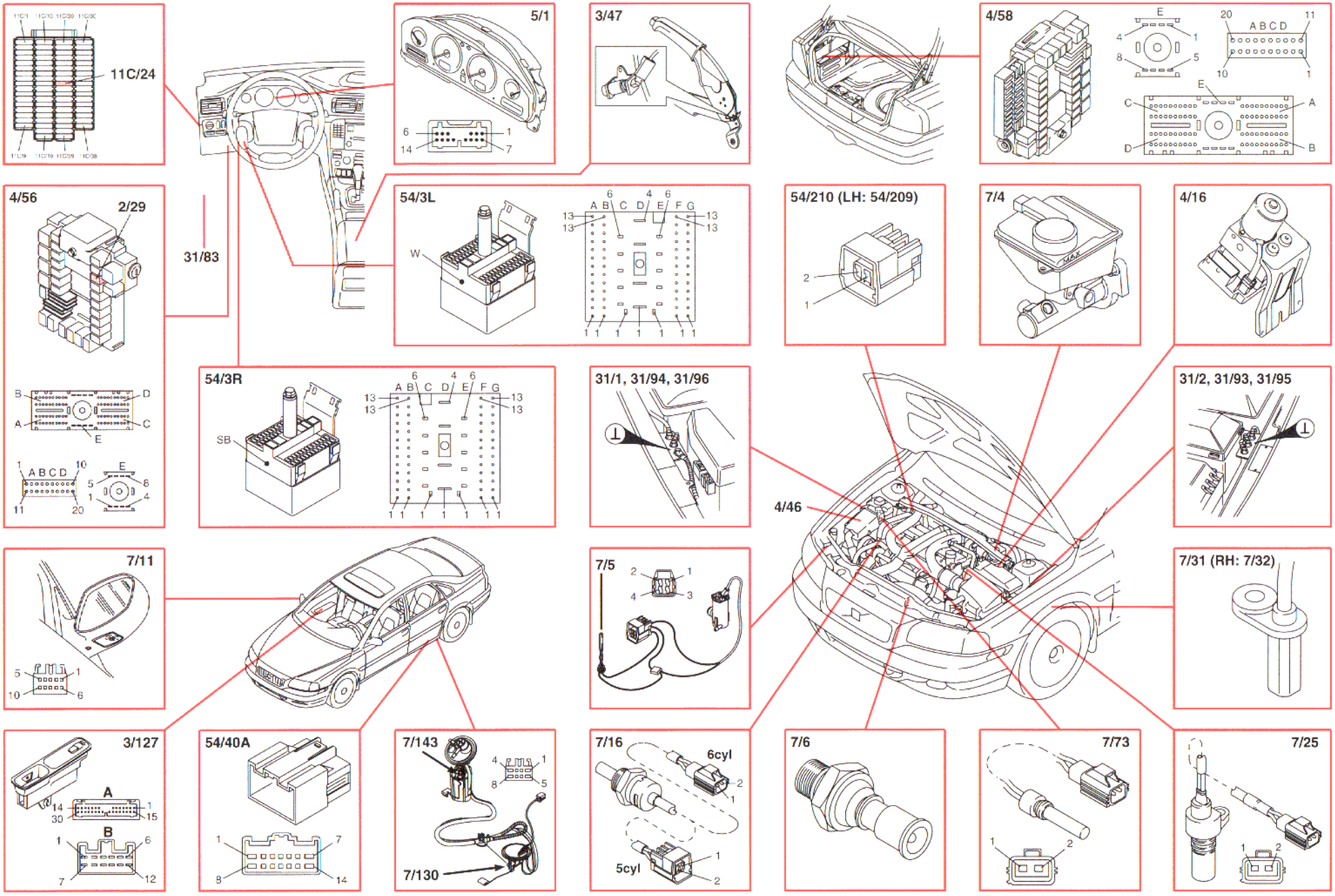

4/70
10
1
22
11
6/62
5
1
10
6
10/148
5
1
10
6
54/10
1
2
11
12
3/126
A
14
1
30
15
B
1
6
7
12
31/66
11C/35
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38
11C/36
11C/27
4/56
B
D
A
C
E
1
10
A B C D
11
20
E
5
8
1
4
10/149
5
1
10
6
6/63
5
1
10
6
3/130
10
1
22
11
3/127
A
14
1
30
15
B
1
6
7
12
54/11
1
2
11
12
31/67

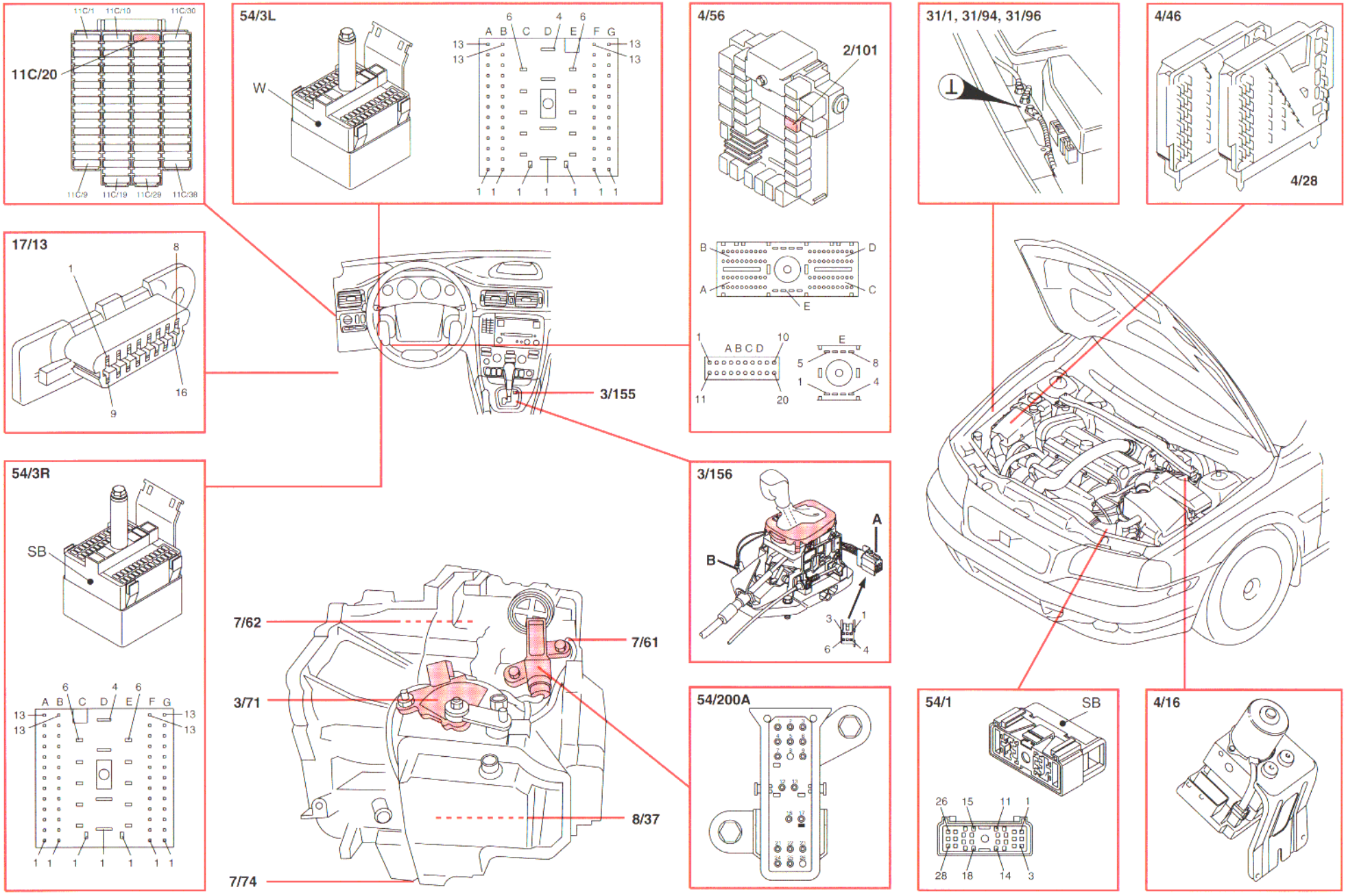

54/4
GR-SB
26 15 11 1
28 18 14 3
16/10
16/11
2/17
FMI1
FMI2
FMI3
FMI4
FST1
FST2
FST3
FST4
FMA1
FMA2
FST5
FMA3
FMA4
FMA5
FMA6
FMA7
FMA8
FMA9
FMA10
FMI5
FMI6
FMA11
FMA12
11B/15
11B/13
11B/21
31/2, 31/93, 31/95
3/37
3/130
10
1
22
11
4/56
B
D
A
C
E
1
ABCD
10
11
20
E
5
8
1
4
54/3L
W
6
4
6
A B C D E F G
13
13
13
13
1 1 1 1 1 1 1
31/10
31/84
18/4

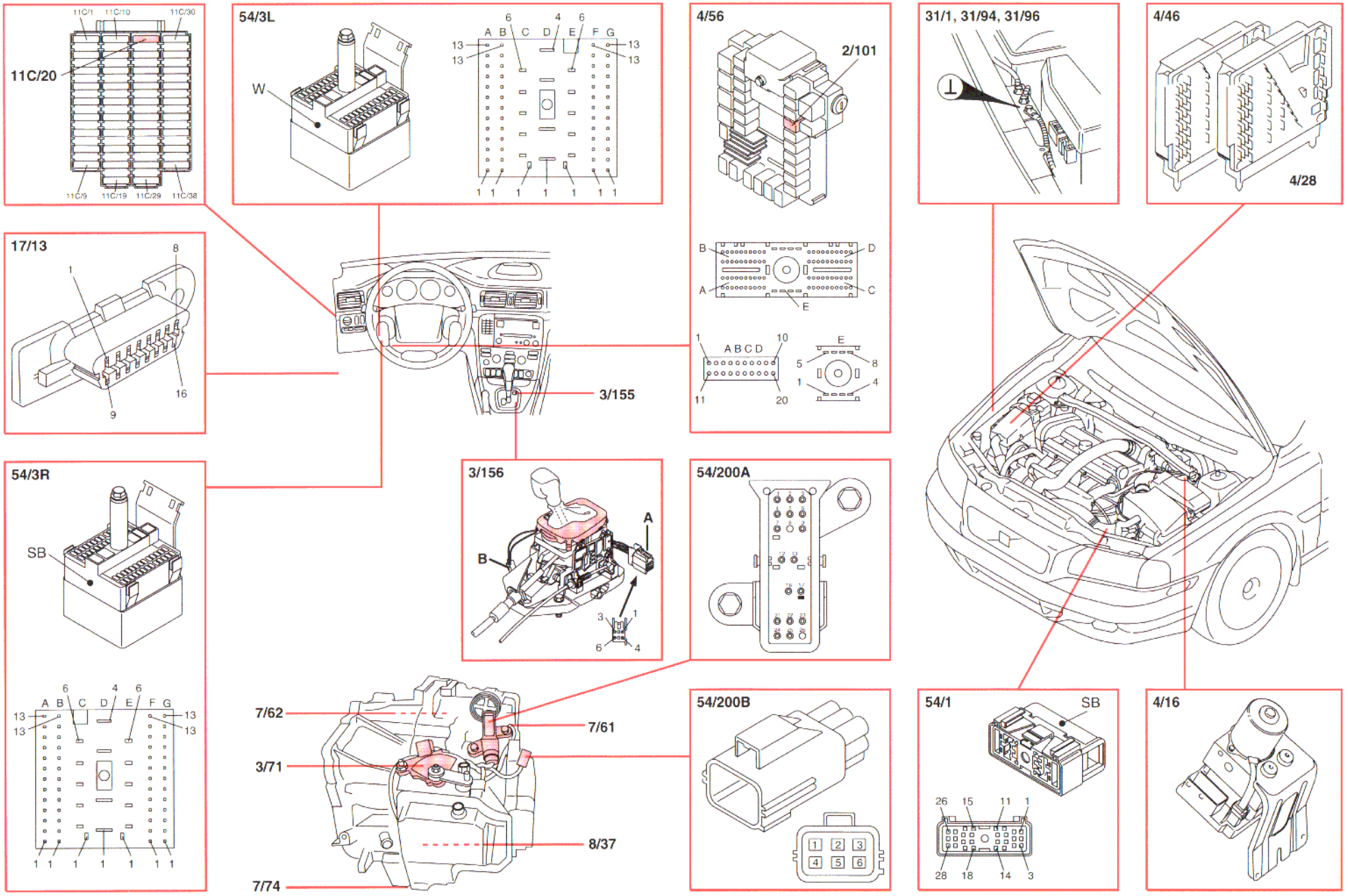

31/94
3/62
54/4
GR-SB
26 15 11 1
28 18 14 3
7/12
5 1
54/50
1 5
6 10
3/78
4 3
2 1
4/56
B D
A C
E
1 A B C D 10
11 20
E
5 8
1 4
11C
31/93
5/1
3/112
A
7 1
16 8
B
10 1
22 11
3/174
7/100
1 5
4/58
2/136
E
4 1
8 5
20 A B C D 11
10 1
2/137
E
C A
D B
11D/10
54/3R
SB
54/3L
W
4/70
10 1
22 11
7/122
5 1
3/126
A
14 1
30 15
B
1 6
7 12
54/20
4 1
12 9
3/127
A
14 1
30 15
B
1 6
7 12
31/67
54/13
20 11 21 22
10 1
3/76 (RH: 3/77)
1 4
5 8
54/21
4 1
12 9
54/43
1 7
8 14
16/35
1 3
54/10 (RH: 54/11)
1 2
11 12
31/72
31/66
31/83
3/74 (RH: 3/75)
1 4
5 8

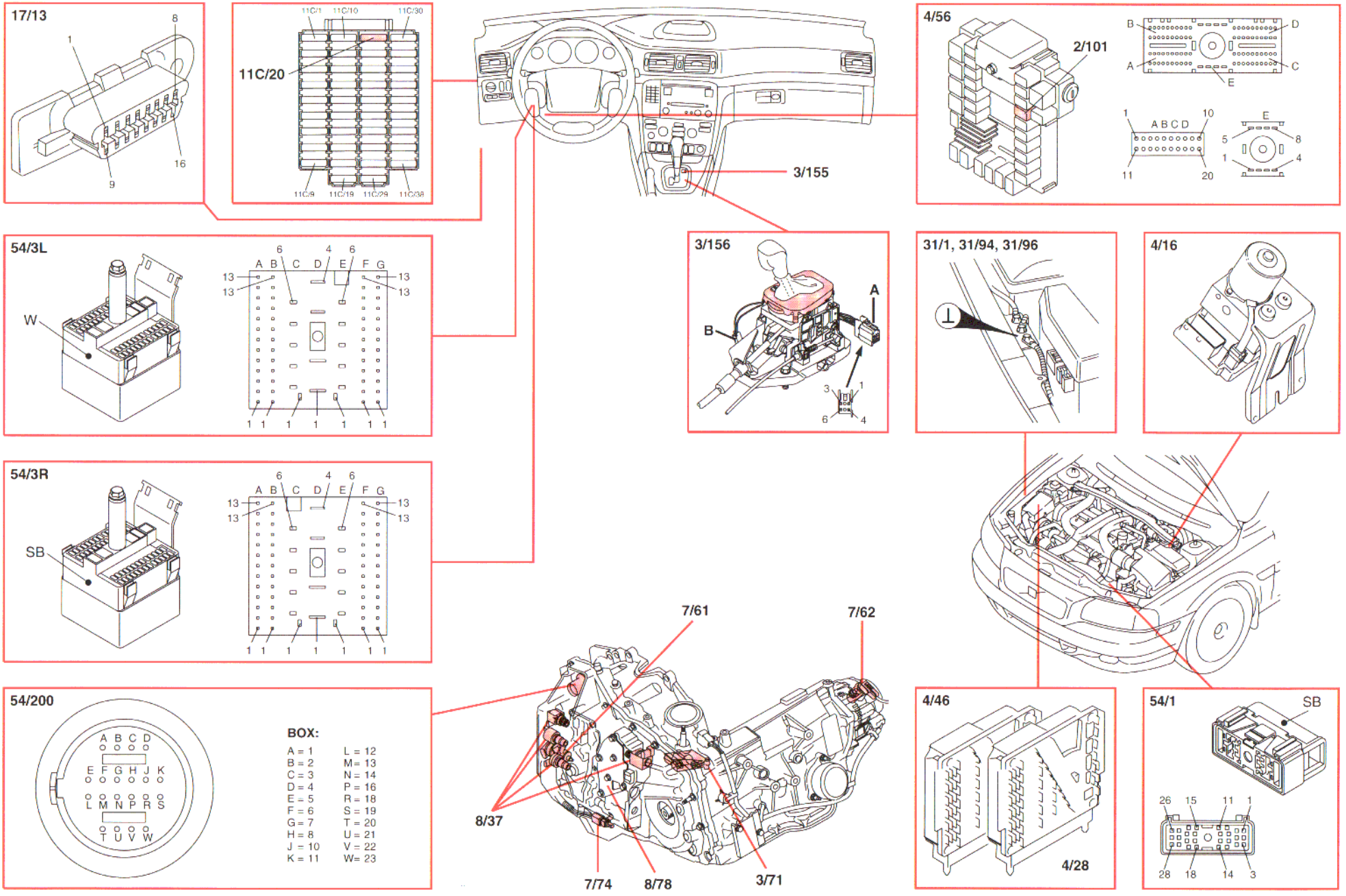

11C/25
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38
5/1
6
1
14
7
3/1
4 3 2 1
8 7 6 5
15 15 S 30
X 50 15I
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
Position
Terminal
30 15 15 X 15I S 50
Key Out X
0
I
II
III
31/6
31/83
16/65
7
1
4/46
4/56
B
D
A
C
E
1
10
A B C D
11
20
E
5
8
1
4

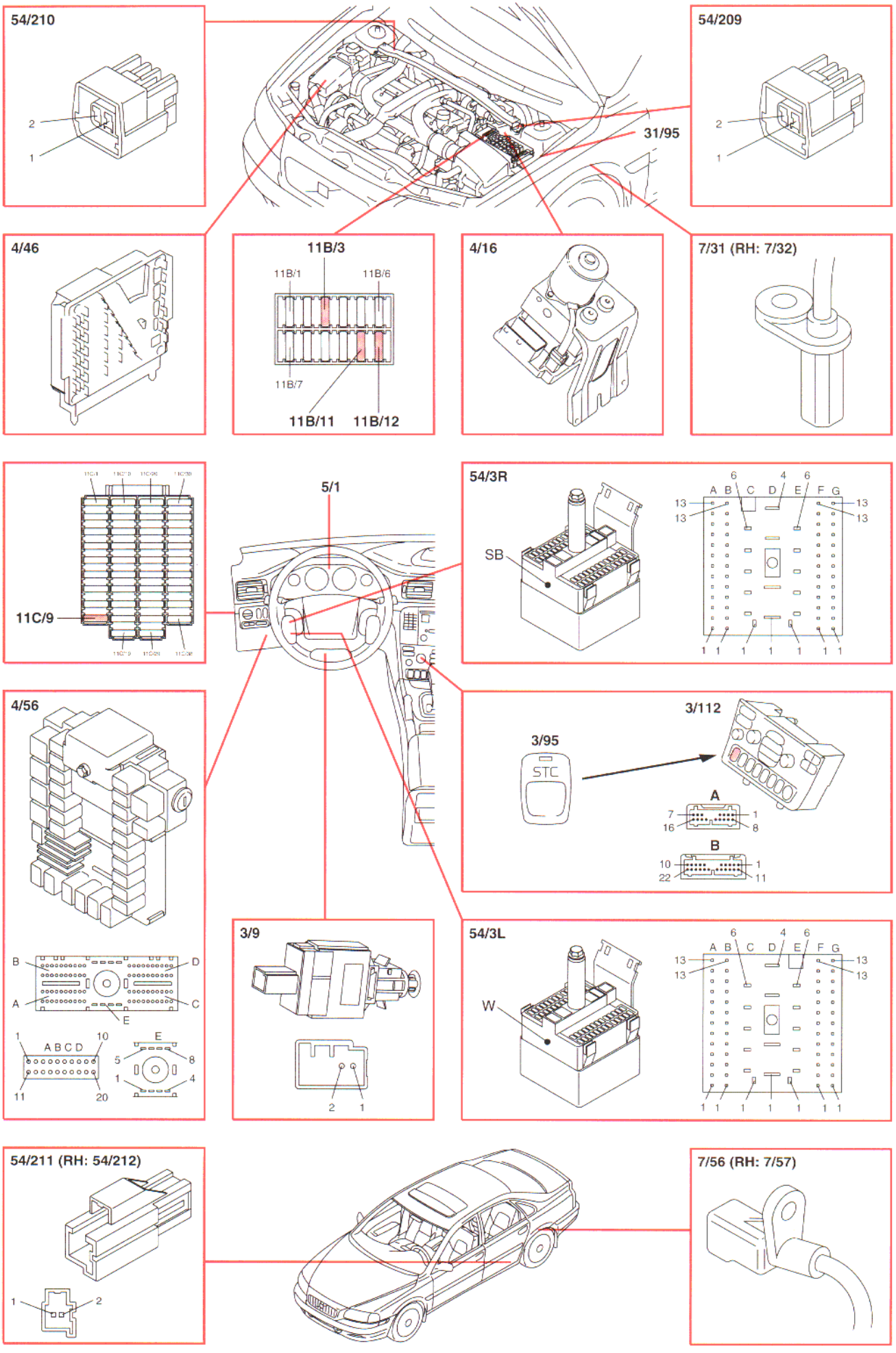

11C/32
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38
11C/7
11C/25
5/1
6
1
14
7
3/1
4 3 2 1
8 7 6 5
15 15 S 30
X 50 15I
Term. Color
1 BL-R
2 -
3 Y
4 R-SB
5 -
6 VO
7 Y-W
8 -
Position
Terminal
30 15 15 X 15I 15 50
Key Out X
0
I
II
III
31/6
31/83
31/10
31/84
4/56
B D A C E
1 ABCD 10
11 20
E
5 8 1 4
4/70
10 1
22 11
3/94
1 3
3/93
1 3

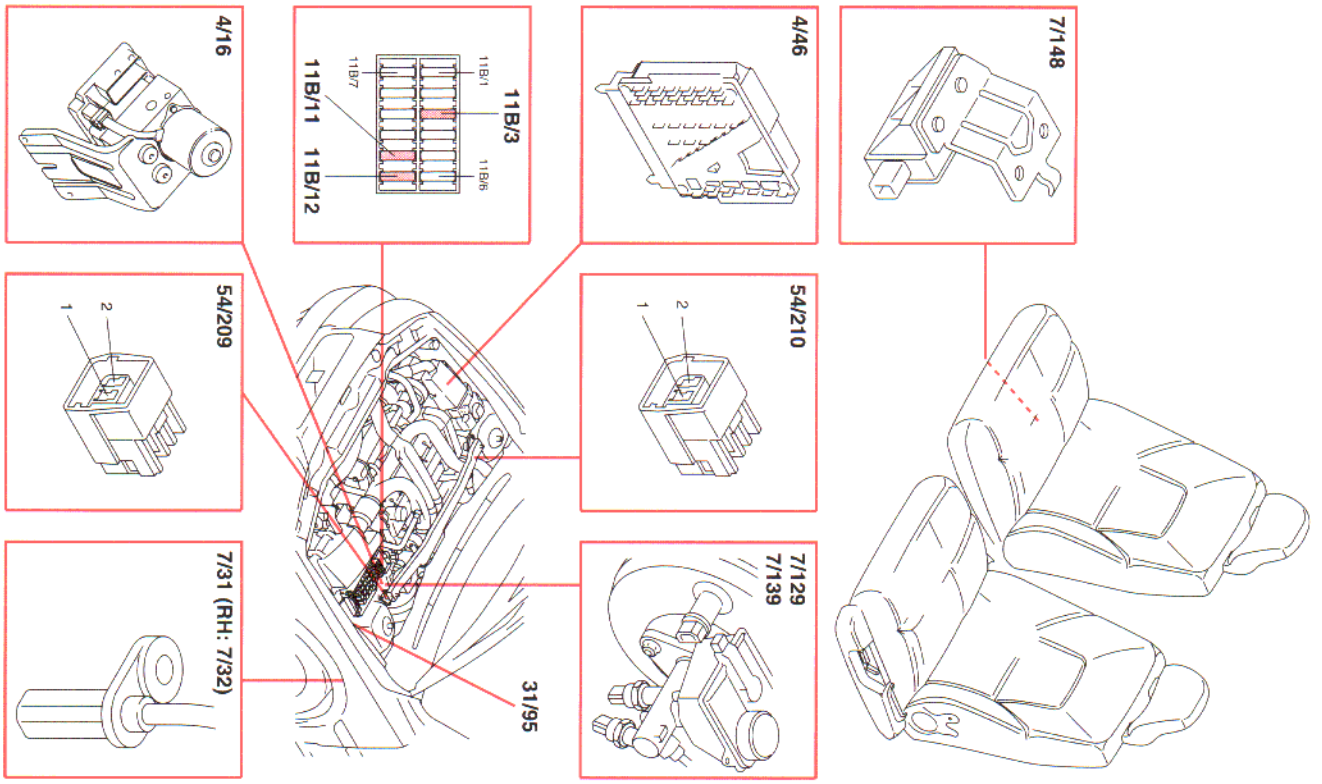

11C/24
5/1
3/47
4/58
4/56
2/29
31/83
54/3L
W
54/210 (LH: 54/209)
7/4
4/16
54/3R
SB
31/1, 31/94, 31/96
31/2, 31/93, 31/95
4/46
7/11
7/5
7/31 (RH: 7/32)
3/127
54/40A
7/143
7/130
7/16
6cyl
5cyl
7/6
7/73
7/25

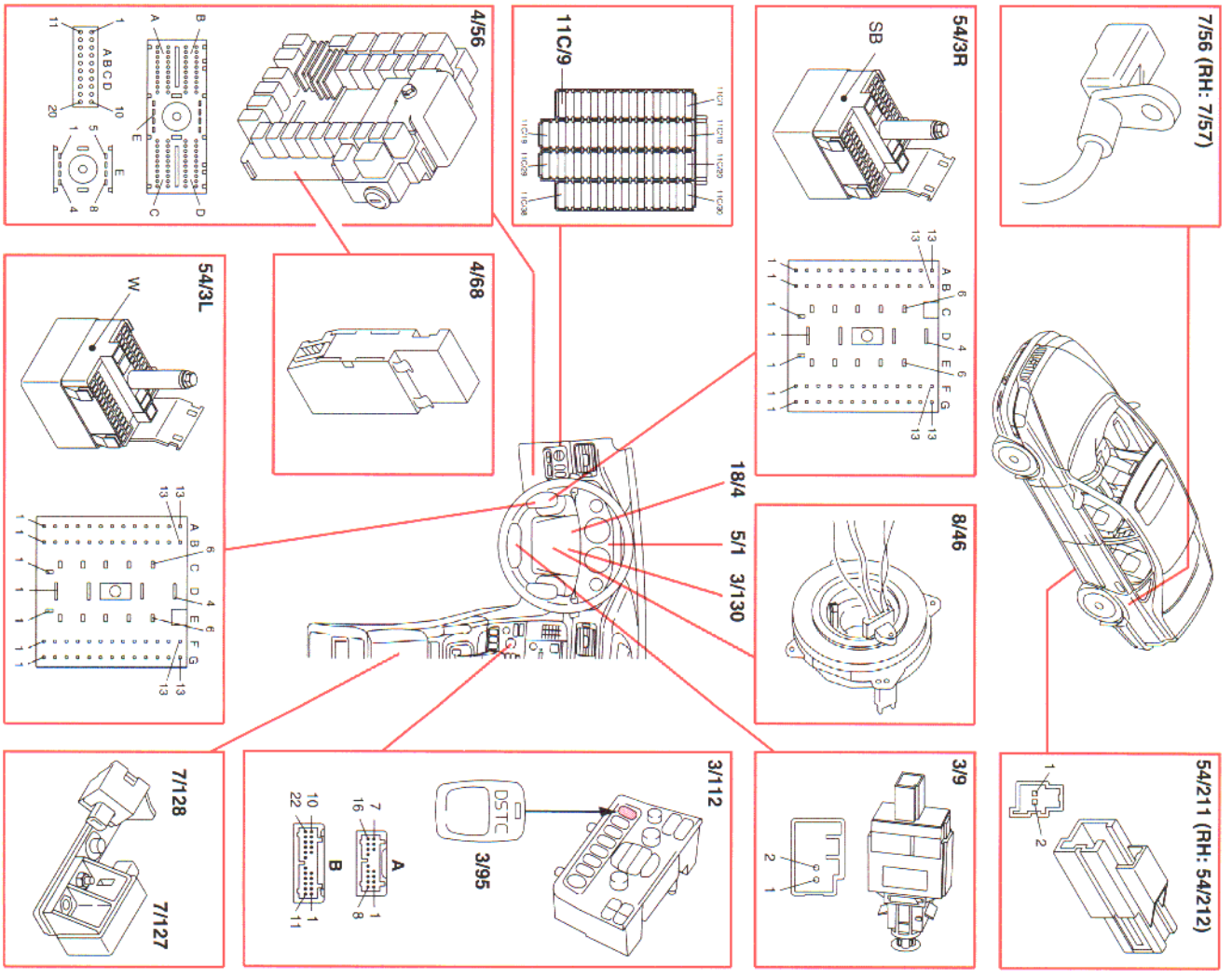

11C/20
11C/1
11C/10
11C/30
11C/9
11C/19
11C/29
11C/38
54/3L
W
A B C D E F G
13
1 1 1 1 1 1 1
4/56
2/101
B
D
A
C
E
1
10
A B C D
11
20
5
8
1
4
31/1, 31/94, 31/96
4/46
4/28
17/13
1
8
9
16
3/155
54/3R
SB
7/62
7/61
3/71
8/37
7/74
3/156
A
B
3
1
6
4
54/200A
54/1
SB
26
15
11
1
28
18
14
3
4/16

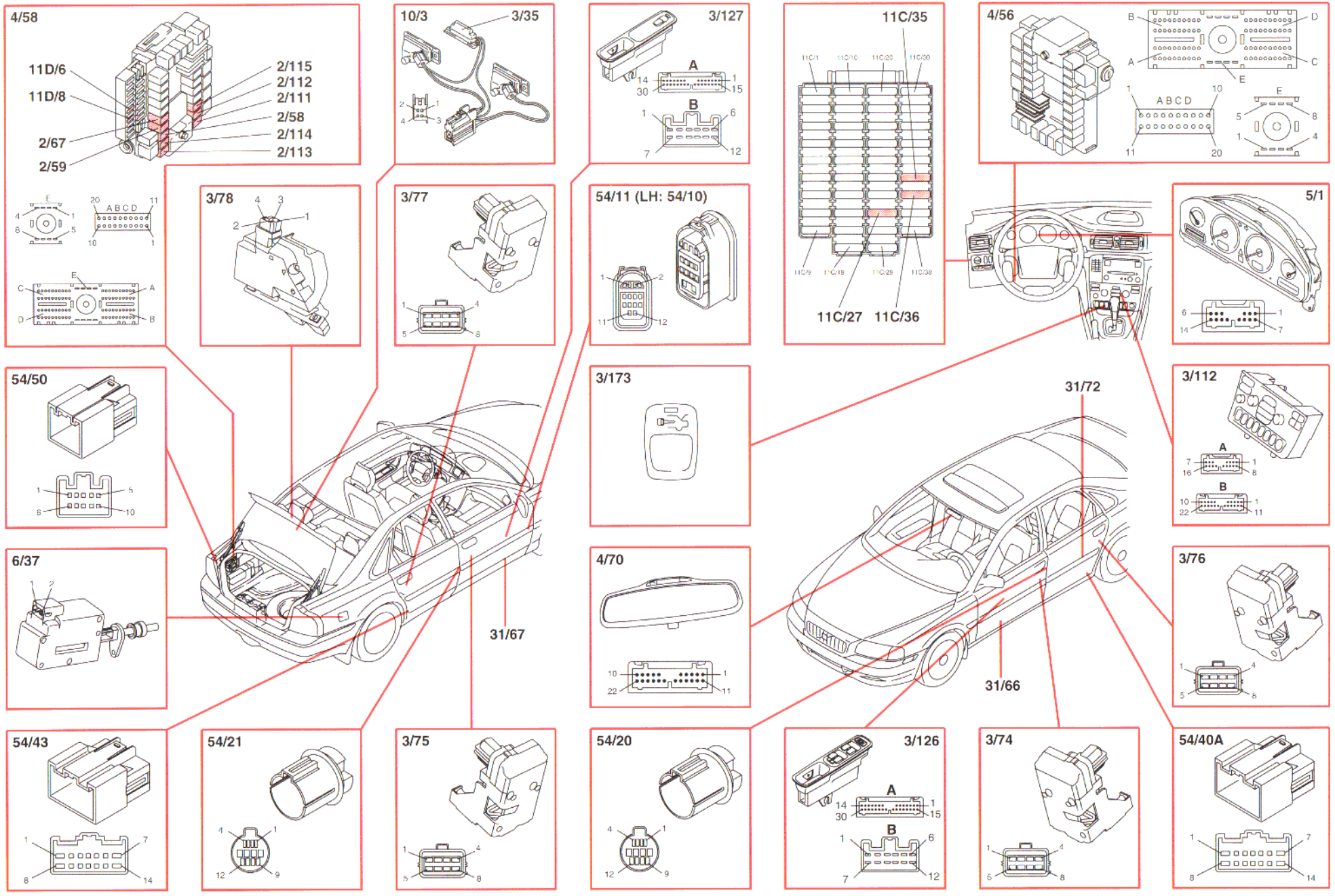

11C/1 11C/10 11C/30
11C/20
11C/9 11C/19 11C/29 11C/38
54/3L
W
A B C D E F G
13 13 13 13
1 1 1 1 1 1 1
4/56
2/101
B D A C E
1 A B C D 10 11 20
E 5 8 1 4
31/1, 31/94, 31/96
4/46
4/28
17/13
1 8 9 16
3/155
54/3R
SB
3/156
A B 3 1 6 4
54/200A
7/62
7/61
3/71
8/37
7/74
54/200B
1 2 3 4 5 6
54/1
SB
26 15 11 1
28 18 14 3
4/16

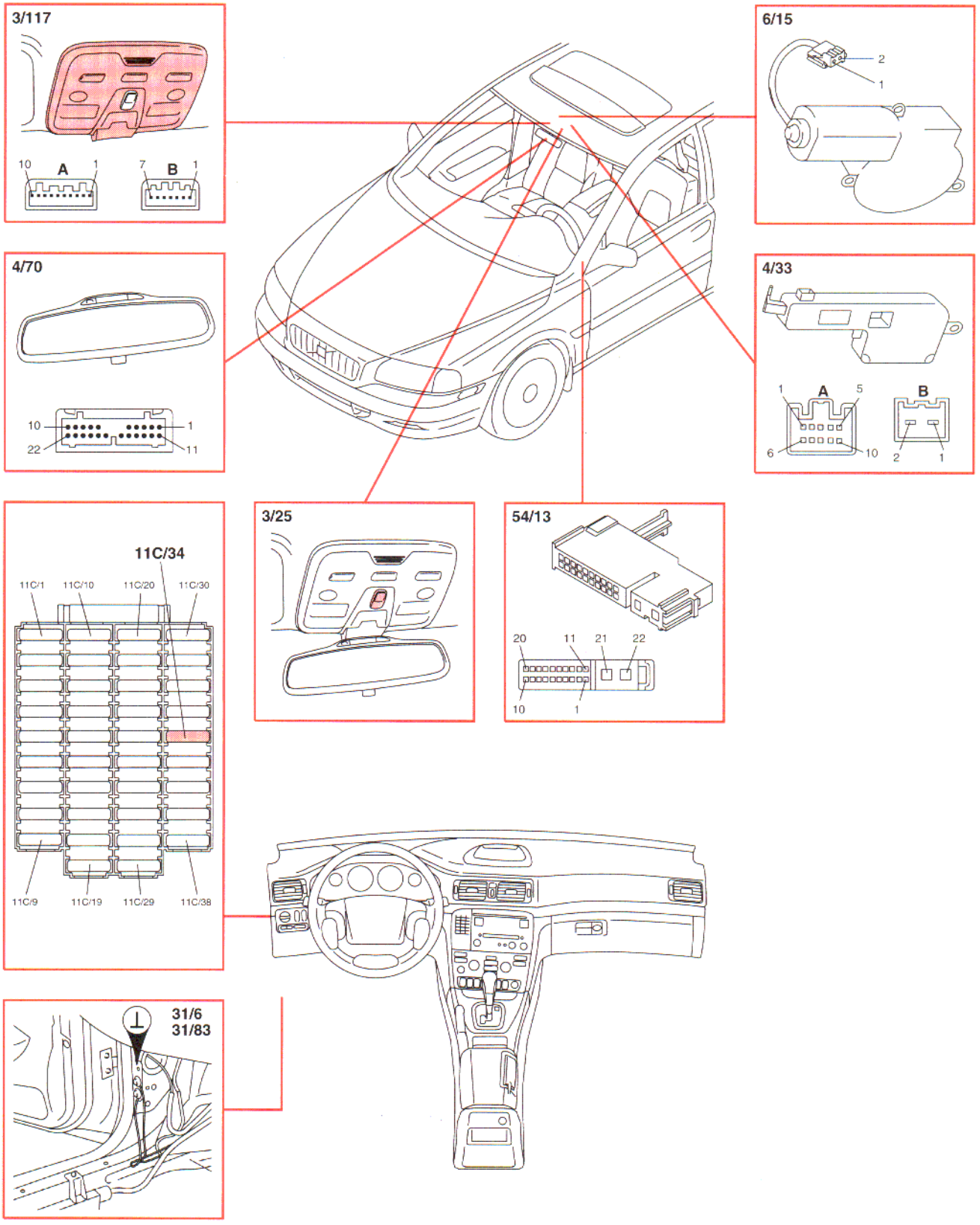

17/13
1
8
9
16
11C/20
11C/1
11C/10
11C/30
11C/9
11C/19
11C/29
11C/38
3/155
4/56
2/101
A
B
C
D
E
1
10
11
20
ABCD
5
8
1
4
54/3L
W
A B C D E F G
6
4
6
13
13
13
13
1 1 1 1 1 1 1
3/156
A
B
1
3
4
6
31/1, 31/94, 31/96
4/16
54/3R
SB
A B C D E F G
6
4
6
13
13
13
13
1 1 1 1 1 1 1
7/61
7/62
8/37
7/74
8/78
3/71
54/200
A B C D
E F G H J K
L M N P R S
T U V W
BOX:
A = 1
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8
J = 10
K = 11
L = 12
M = 13
N = 14
P = 16
R = 18
S = 19
T = 20
U = 21
V = 22
W = 23
4/46
4/28
54/1
SB
26
15
11
1
28
18
14
3

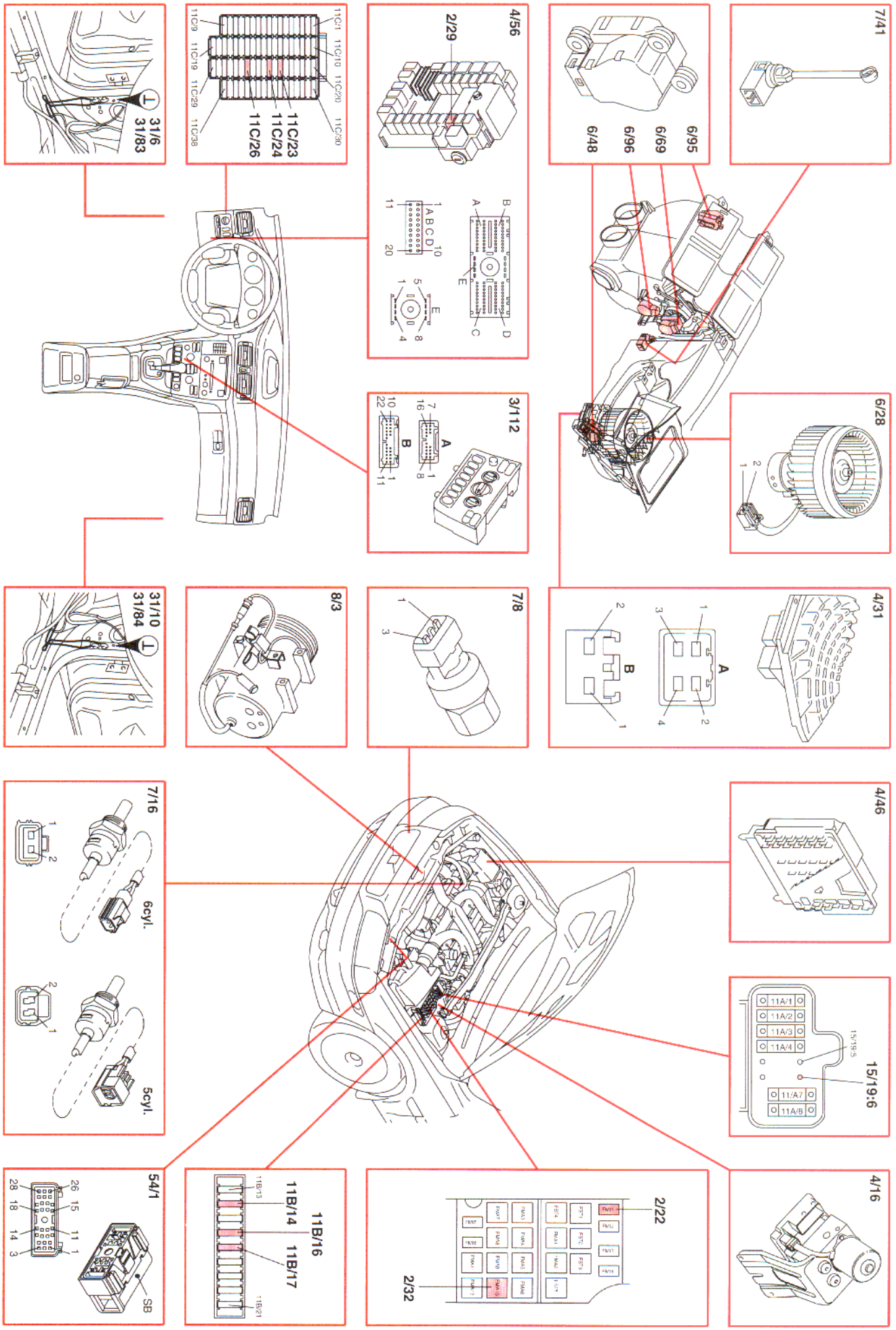

54/210
2
1
31/95
54/209
2
1
4/46
11B/3
11B/1
11B/6
11B/7
11B/11
11B/12
4/16
7/31 (RH: 7/32)
11C/9
5/1
54/3R
SB
A B C D E F G
13
13
1 1 1 1 1 1 1
4/56
B
D
A
C
E
1
A B C D
10
11
20
E
5
8
1
4
3/9
2
1
3/95
STC
3/112
A
7
16
1
8
B
10
22
1
11
54/3L
W
A B C D E F G
13
13
1 1 1 1 1 1 1
54/211 (RH: 54/212)
1
2
7/56 (RH: 7/57)

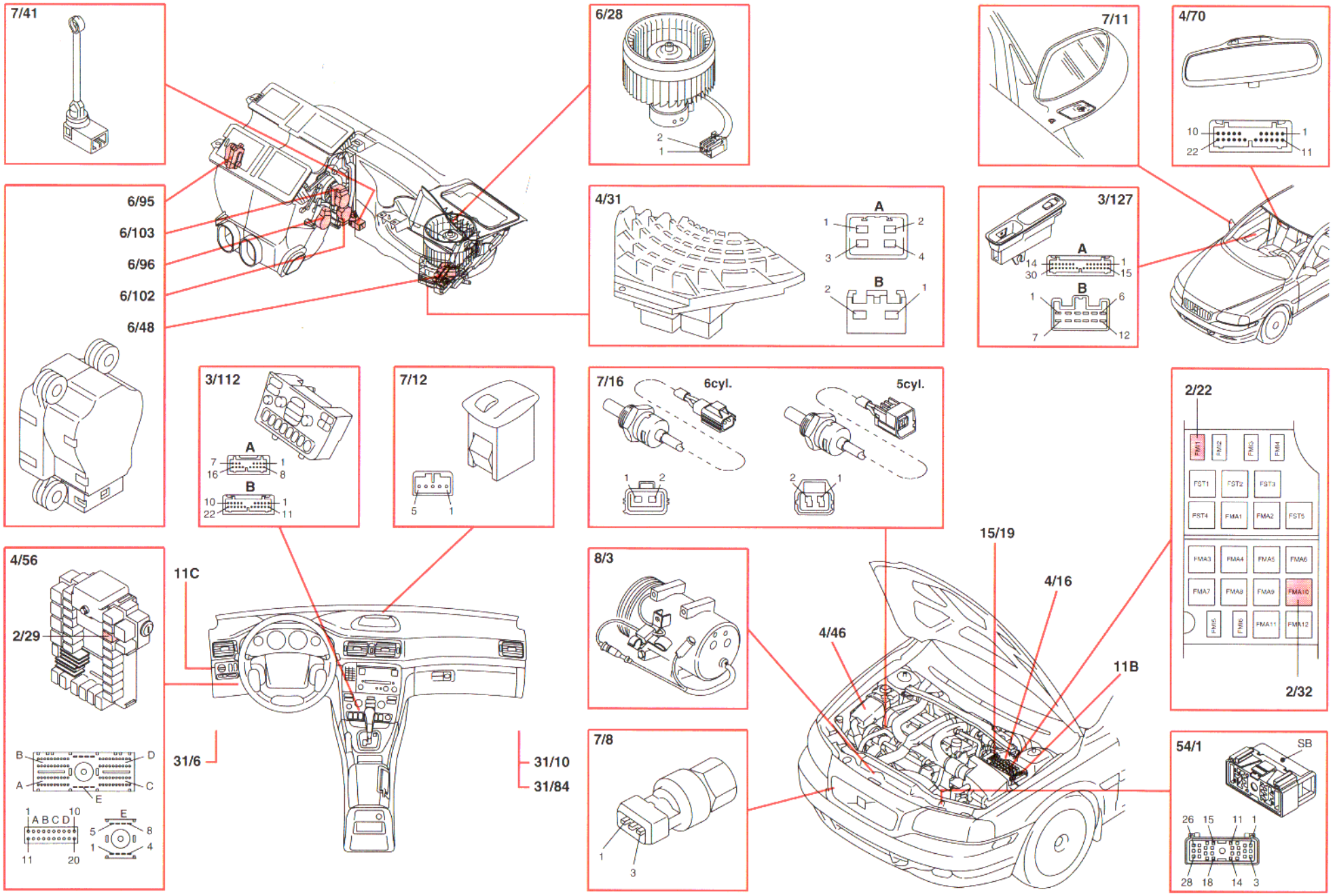

7/148
4/46
11B/3
11B/1
11B/7
11B/6
11B/11
11B/12
4/16
54/210
54/209
7/129
7/139
7/31 (RH: 7/32)
31/95

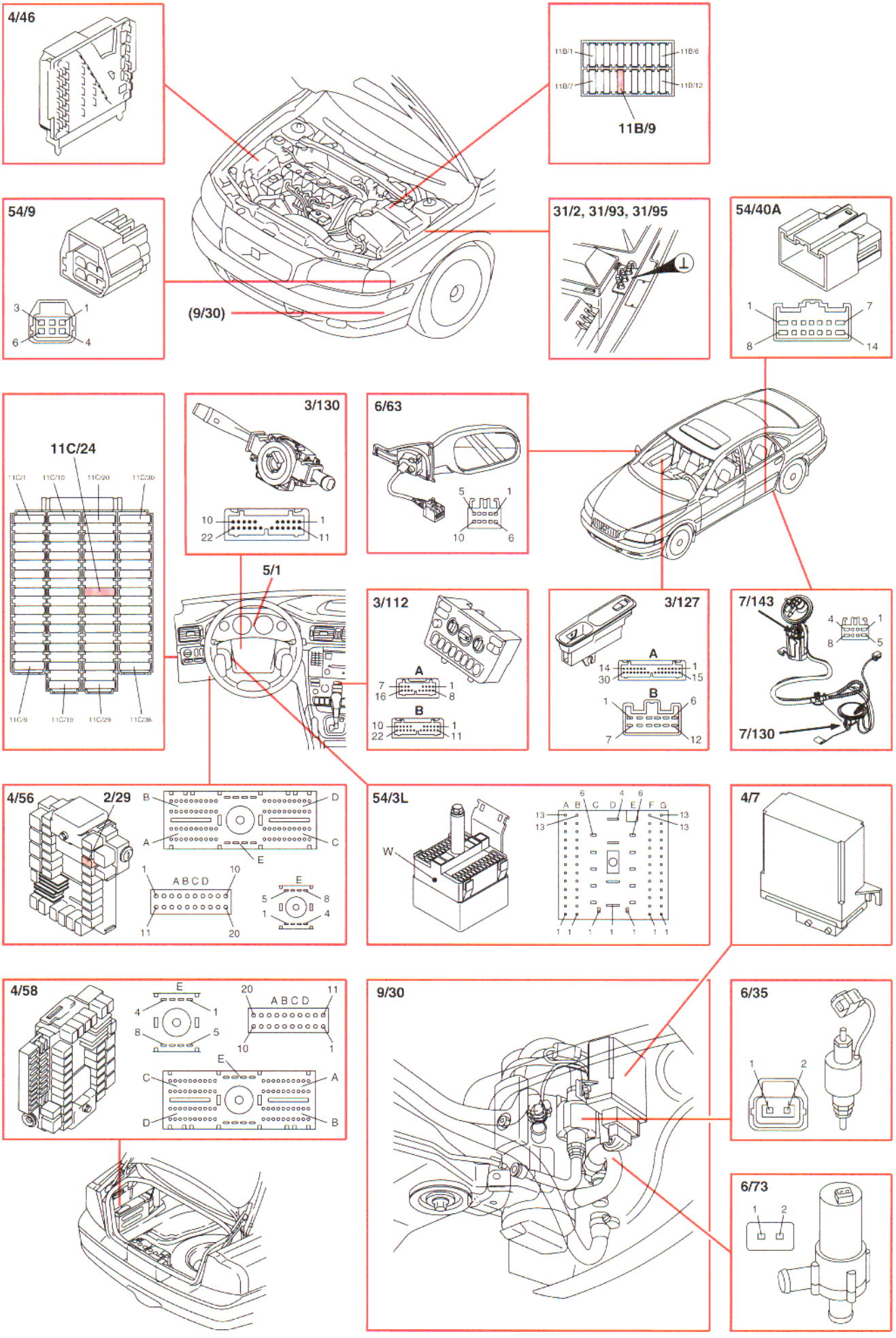

7/56 (RH: 7/57)
54/3R
SB
4/56
11C/9
4/68
54/3L
W
18/4
5/1
3/130
8/46
3/9
54/211 (RH: 54/212)
3/112
DSTC
3/95
7/128
7/127

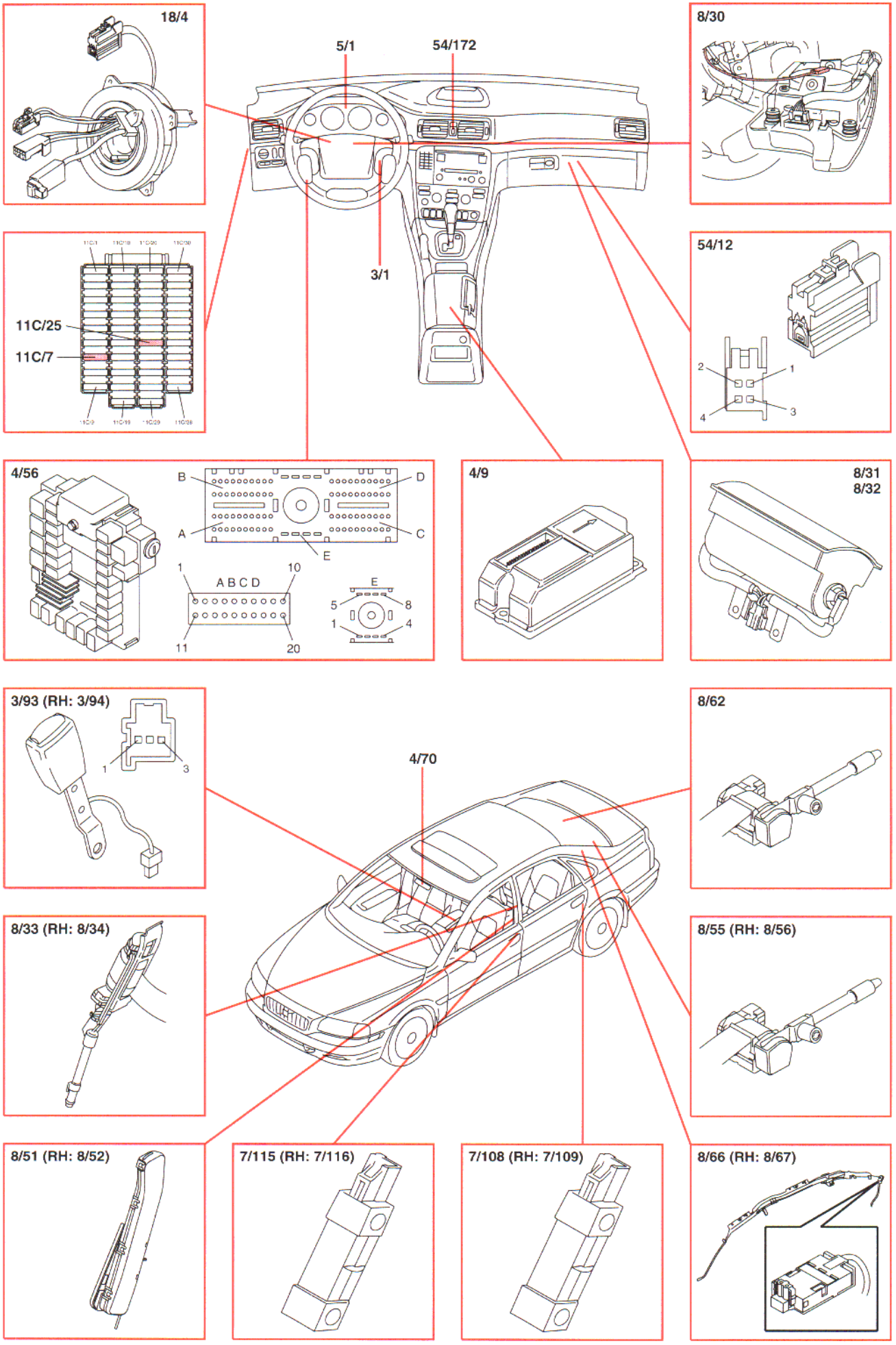

4/58
11D/6
11D/8
2/67
2/59
2/115
2/112
2/111
2/58
2/114
2/113
10/3
3/35
3/127
11C/35
11C/27
11C/36
4/56
5/1
3/78
3/77
54/11 (LH: 54/10)
54/50
3/173
31/72
3/112
6/37
4/70
31/67
31/66
3/76
54/43
54/21
3/75
54/20
3/126
3/74
54/40A


3/117
10 A 1
7 B 1
6/15
2
1
4/70
10
1
22
11
4/33
1 A 5
B
6
10
2
1
11C/34
11C/1
11C/10
11C/20
11C/30
11C/9
11C/19
11C/29
11C/38
3/25
54/13
20
11
21
22
10
1
31/6
31/83


7/41
6/95
6/69
6/96
6/48
4/56
2/29
6/28
3/112
31/6
31/83
11C/23
11C/24
11C/26
31/10
31/84
8/3
7/8
4/31
4/46
7/16
6cyl.
5cyl.
15/19:6
4/16
2/22
2/32
54/1
11B/16
11B/14
11B/17


7/41
6/95
6/103
6/96
6/102
6/48
6/28
7/11
4/70
4/31
3/127
3/112
7/12
7/16
6cyl.
5cyl.
2/22
4/56
2/29
11C
8/3
15/19
4/16
4/46
11B
31/6
31/10
31/84
7/8
54/1
SB
2/32


4/46
11B/9
54/9
(9/30)
31/2, 31/93, 31/95
54/40A
11C/24
3/130
6/63
5/1
3/112
3/127
7/143
7/130
4/56
2/29
54/3L
4/7
4/58
9/30
6/35
6/73


18/4
5/1
54/172
8/30
3/1
11C/25
11C/7
54/12
4/56
B
D
A
C
E
1
10
A B C D
11
20
E
5
8
1
4
4/9
8/31
8/32
3/93 (RH: 3/94)
1
3
4/70
8/62
8/33 (RH: 8/34)
8/55 (RH: 8/56)
8/51 (RH: 8/52)
7/115 (RH: 7/116)
7/108 (RH: 7/109)
8/66 (RH: 8/67)

Remote controlled garage door opener

