

WIRING DIAGRAM

Section 3 (39)
V70/XC70 & XC90
2003

TP 3964202

Abbreviations	3
How to use the wiring diagram	4

Electrical distribution

Overview V70	6
Overview XC90	8

Fuses

Engine compartment 11A/1-8	10
Engine compartment 11B/1-10	11
Engine compartment 11B/11-23	12
Passenger compartment 11C/1-8	13
Passenger compartment 11C/9-13	14
Passenger compartment 11C/14-20	15
Passenger compartment 11C/21-23	16
Passenger compartment 11C/24-28	17
Passenger compartment 11C/29-33	18
Passenger compartment 11C/34-38	19
Cargo compartment 11D/1-7	20
Cargo compartment 11D/8-18	21
Cargo compartment 11E/1-7	22

Relays/Shunts

Ignition switch and relays	23
Engine compartment FMA2 - FST3	24
Passenger compartment CMA2 - CSH4	25
Cargo compartment RMA1 - RSH6	26
Other relays	27

Ground connections

31/1 - 31/44	28
31/47 - 31/72	29
31/73 - 31/84	30
31/88 - 31/93	31
31/93 cont. - 31/96	32
31/98	33

Control modules

Overview V70/XC70	34
Overview XC90	36
Central Electronic Module (CEM) V70/XC70	38
Central Electronic Module (CEM) XC90	40
Rear Electronic Module (REM) V70/XC70	42
Rear Electronic Module (REM) XC90	44
Data communication V70/XC70	46
Data communication XC90	48

Group 23

Engine management system, 5-cyl	50
Engine management system, 5-cyl Turbo	52
Engine management system, 6-cyl	54
Engine management system, Bifuel	56
Engine management system, Diesel	58
Emission control	60

Group 26

Electric cooling fan V70/XC70	62
Electric cooling fan XC90	63

Group 27

Cruise control	64
----------------------	----

Group 32

Power supply	65
--------------------	----

Group 33

Starting system	66
-----------------------	----

Group 35

High and low beam plus auxiliary light wiring V70/XC70	67
High and low beam, Bi-Xenon V70/XC70	68
High and low beam XC90	69
Daytime running lights and auxiliary light wiring XC90	69
Fog lights	70
Brake lights	71
Parking lights V70/XC70	72
Tail lights and license plate lighting V70/XC70	72
Parking lights XC90	73
Tail lights and license plate lighting XC90	73
Reversing lights	74
Safety lighting	75
Interior lighting V70/XC70	76
Interior lighting XC90	77
Beam length adjustment V70/XC70	78
Beam length adjustment XC90	79

Group 36

Direction indicators and hazard warning flashers V70/XC70	80
Direction indicators and hazard warning flashers XC90	81
Horn	82
Wipers/washers, windshield	83
Wipers/washers, headlights V70/XC70	84
High pressure wash, headlights XC90	85
Wiper/washer, rear window	86
Accessory Electronic Module (AEM)	87
Rain sensor	88
Electronic immobilizer	89
Anti-theft alarm V70/XC70	90
Anti-theft alarm XC90	91
Parking assistance XC90	92

Group 37

Towing bracket wiring	93
Diagnostics system	94
12V outlet	95
12V cargo compartment outlet	96

Group 38

Seat belt reminder	97
Driver information module	98
Driver information module Bifuel	99

Group 39

Audio with extra amplifier V70/XC70	100
Audio without extra amplifier V70/XC70	102
Audio XC90	103

Order number TP 3964202

Replaces previous manual TP 3964201

Volvo retains the right to make amendments

Infotainment XC90.....	104
Road Traffic Information RTI V70/XC70	105
Mobile telephone V70/XC70	106

Group 43

Geartronic	107
Automatic transmission, AW55-50SN/AW50AWD.....	108
Automatic transmission, 4T65AWD	109
Shift lock	110
Differential Electronic Module (DEM)	111

Group 59

Brake Control Module (BCM)	112
----------------------------------	-----

Group 64

Electronic power steering XC90	113
--------------------------------------	-----

Group 83

Central locking system V70/XC70	114
Central locking system XC90	115
Power windows	116

Group 83

Power sunroof.....	117
--------------------	-----

Group 84

Power door mirrors	118
Heated door mirrors	119
Heated rear window	120

Group 85

Heated seats	121
Power driver's seat	122
Power passenger seat	123

Group 87

Manual Climate Control (MCC)	124
Electronic Climate Control (ECC)	125

Rear climate control system XC90.....	126
Parking heater, auxiliary heater.....	127

Group 88

SRS Supplemental Restraint System V70/XC70	128
SRS Supplemental Restraint System XC90.....	129
Remote garage door opener.....	130

Connectors..... 131

Junction points..... 154

Cable harness routing in vehicle

Engine harness Gasoline.....	166
Engine harness Diesel.....	167
Front engine compartment harness LHD.....	168
Front engine compartment harness RHD.....	169
Engine compartment harness, XC90.....	170
Front passenger compartment harness LHD.....	171
Front passenger compartment harness RHD.....	172
Passenger compartment harness XC90.....	173
Rear passenger compartment harness	174
Cargo compartment harness	174
Cargo compartment harness XC90.....	175
Inflatable curtain harness V70	176
Tailgate harness V70.....	176
Tailgate harness XC90.....	177
Roof harness XC90	178
Harness, doors V70.....	179
Front door harness XC90.....	180
Rear door harness XC90.....	181
Bifuel harness.....	182

Component illustrations..... 183

Contents..... 239

List of components

Groups

Group 23	= Fuel system
Group 26	= Cooling system
Group 27	= Engine controls
Group 32	= Generator and voltage regulator
Group 33	= Starting system
Group 35	= Lighting
Group 36	= Additional electrical equipment
Group 37	= Wiring and fuses
Group 38	= Instruments
Group 39	= Other
Group 43	= Transmission
Group 59	= Brake system
Group 64	= Steering
Group 83	= Doors and openings
Group 84	= Exterior decorative elements etc.
Group 85	= Interior equipment
Group 87	= Climate controls
Group 88	= Internal equipment

Ignition switch symbols

X	= Accessories (audio position)
S	= Powered upon insertion of key
15	= The switch remains connected during start
15l	= Contact is broken while starting
30	= Constant power from the battery
50	= Start

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	= Great Britain
ISR	= Israel
J	= Japan
KOR	= Korea
N	= Norway
NL	= Netherlands

S	= Sweden
USA	= United States of America
WEU	= Western Europe

Other

ACC	= Accessory
AMP	= Amplifier
AUDIO	= Audio system
AUTO	= Automatic transmission
Bi-X	= Bi-Xenon
CEM	= Central Electronic Module
DRL	= Daytime Running Lights
DSTC	= Dynamic Stability Traction Control
EXC	= Exclusive
EXT.D	= Extended electrical distribution
HISPEED	= High speed data bus
LH	= Left-hand side
LHD	= Left-hand drive
LOSPEED	= Low speed data bus
MAN	= Manual transmission
PCL	= Power Child Lock
REM	= Rear Electronic Module
RH	= Right-hand side
RHD	= Right-hand drive
RTI	= Road Traffic Information
SRS	= Airbag
TELE	= Mobile telephone
T	= Turbo engine
W/O	= Without
5CYL	= 5-cylinder engine
6CYL	= 6-cylinder engine

Colors

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

How to use the wiring diagram

The descriptions below apply in general to all wiring diagram manuals, although not all sections are necessarily contained in this manual.

A. Component designation

Every component has a component designation that consists of two parts.

The first part is a type number that describes the type of component in question, for example 3/xx.

The second part of the designation is a serial number, for example, x/2.

Combined these give a component designation, for example, 3/2.

At the end of the manual is a list of components, where, with the help of the component designation, you can read off the name of the component, for example, 3/2 = light switch.

List of type numbers

The list shows which type of component that respective type numbers refer to, for example, 3/x = switch, 6/x = electric motor, etc.

1	Battery
2	Relay
3	Switch
4	Control module
5	Driver information module
6	Electric motor
7	Sensor
8	Actuator
9	Heating element
10	Light
11	Fuse
15	Electrical distribution rail/box
16	Audio
17	Service/diagnostics
18	Contact reel
19	Meter
20	Ignition component/shunt
27	Optics
31	Ground connection
53	Junction point
54	Connector

B. Junction points

The wiring diagrams contain numbered junction points, e.g. 53/352.

This manual contains a section with a list of junction points. This list shows all the components which are connected to each junction point.

The location of the junction points is shown in the "Cable harness routing in vehicle" section.

C. Connectors

Connectors provide a bridge between two cables harnesses and are described in the "Connectors" section.

D. Electrical distribution

Operation of the fuses and relays is shown in the "Electrical distribution" section.

E. Data communication

Today's cars are equipped with a CAN network, which transmits information. Connections to this network are shown in their entirety on the respective wiring diagrams. Complete information on CAN communication is can be found in the section titled "Data communication".

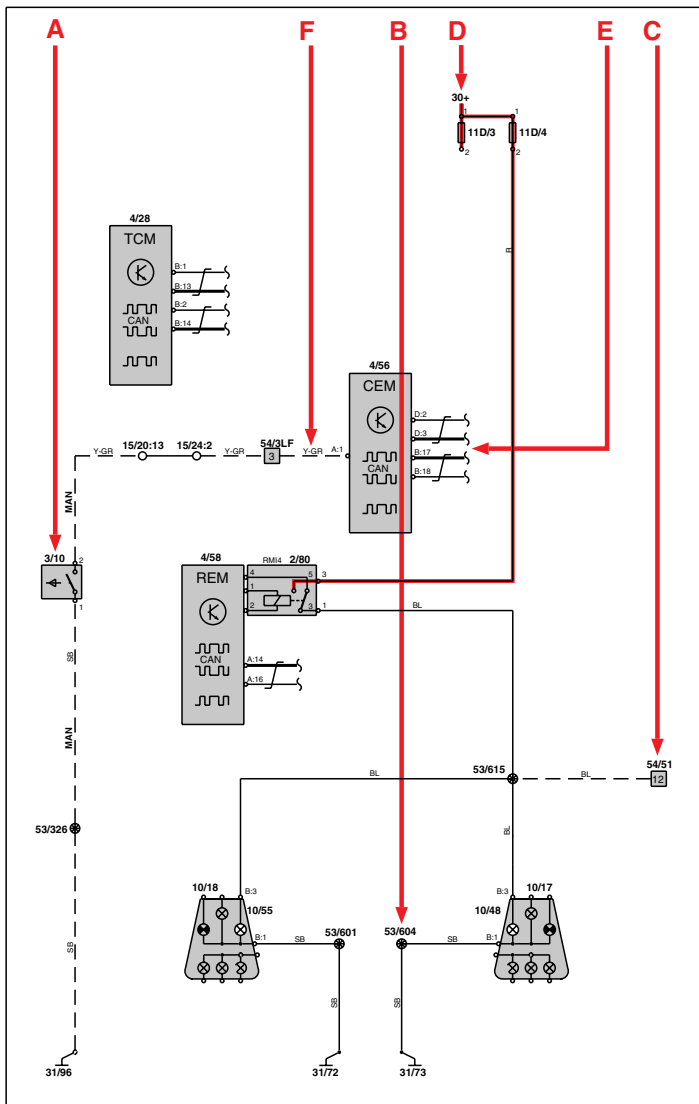
F. Abbreviations

A number of different abbreviations are used in the manual. These are explained in the section "Abbreviations".

G. Component location

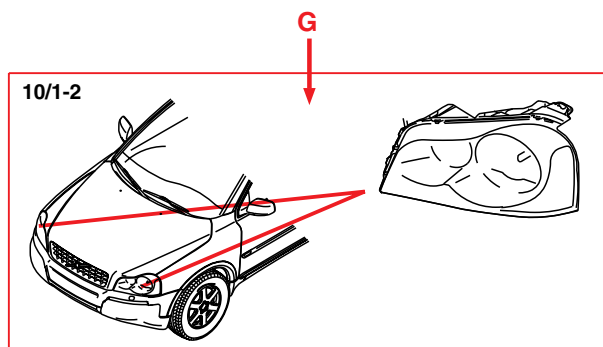
There is a section at the end of the manual in which the appearance and location of components is described in numerical order.

How to use the wiring diagram

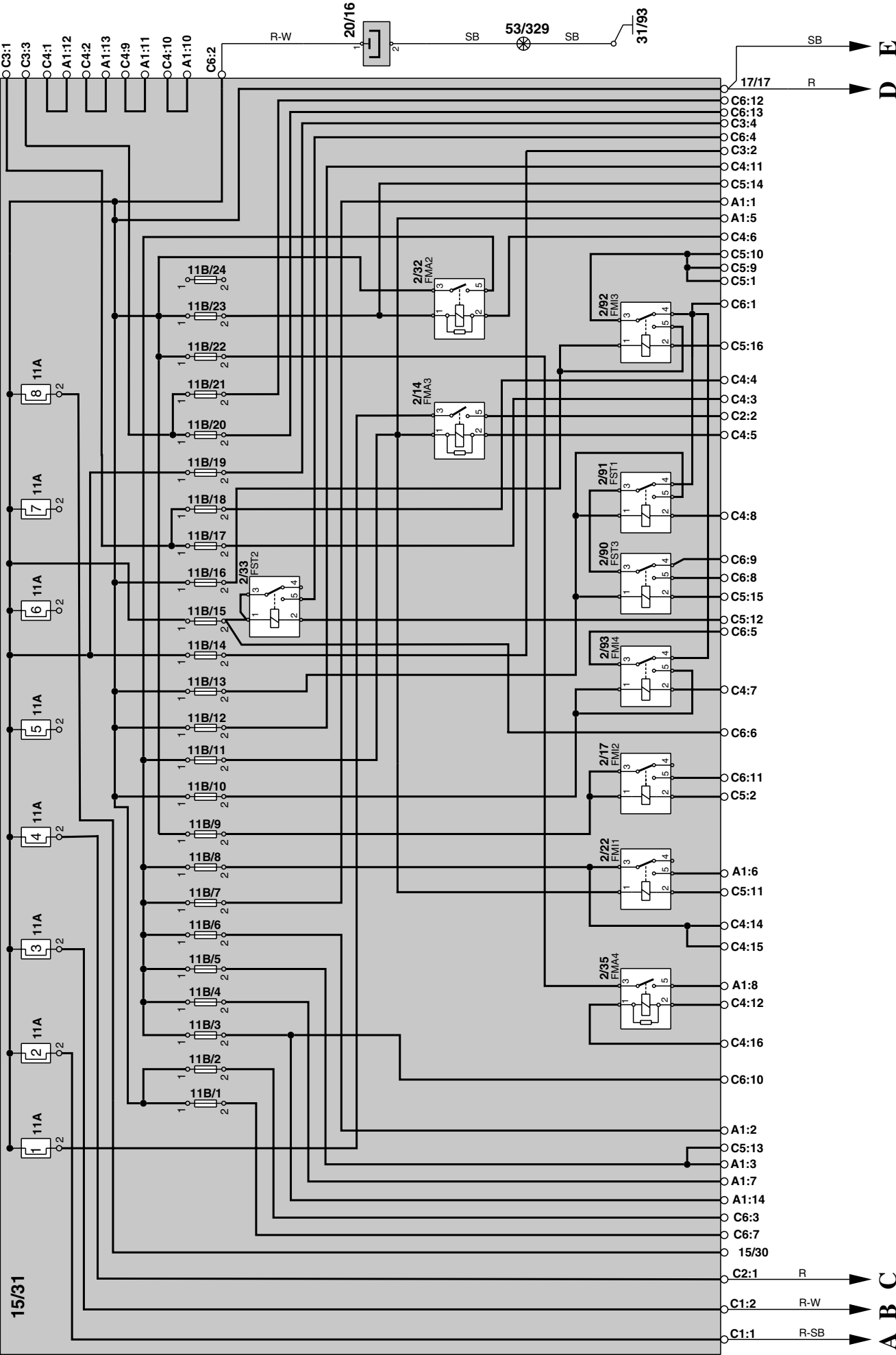


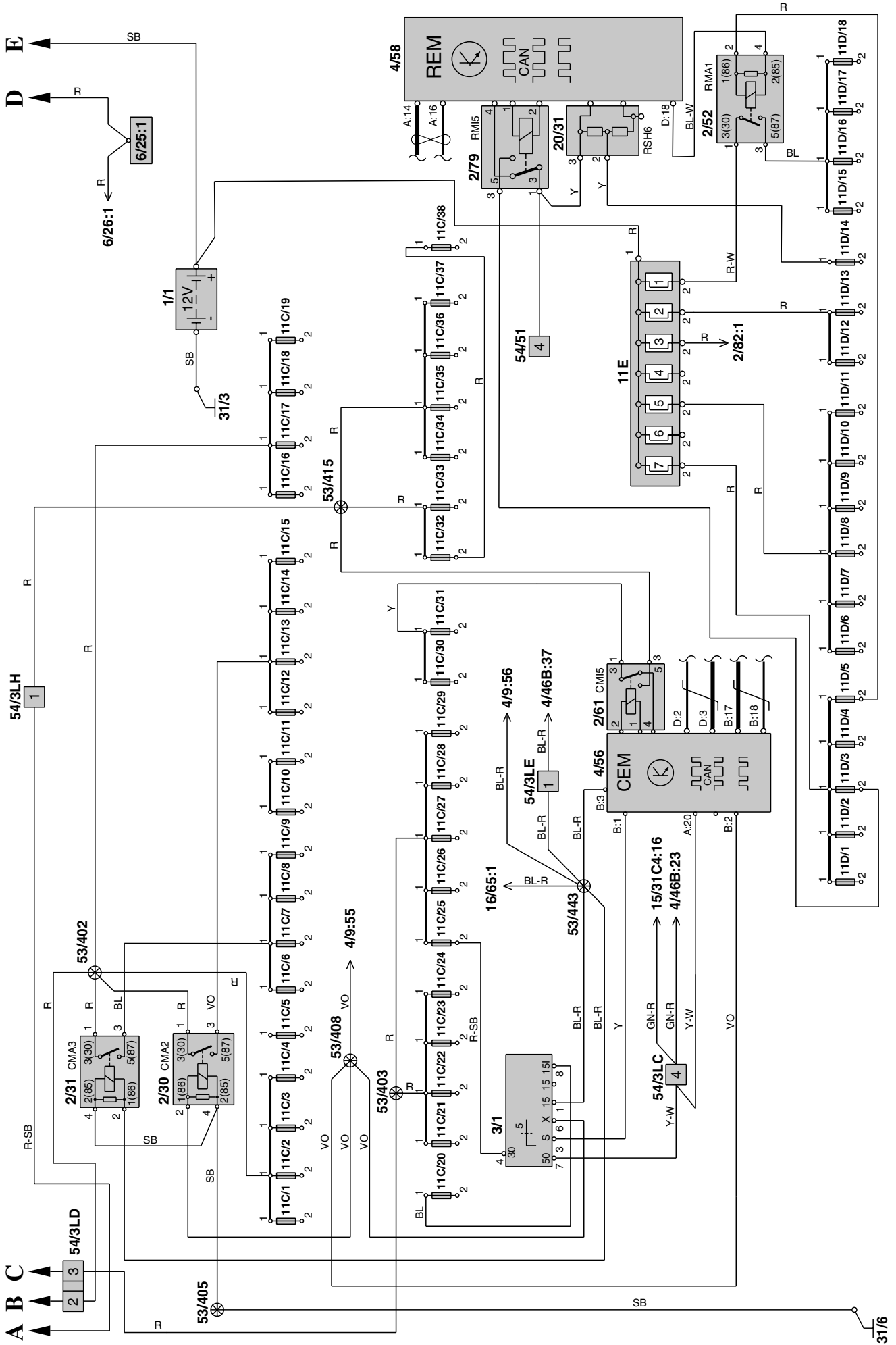
List of symbols

- = System voltage
- = Ground connection via wiring
- = Ground connection on component/chassis
- = Screened wire
- = Junction point
- = Twisted cable
- = Electrical connection
- = Variant
- = CAN communication
- = CAN high data signal (CAN H)
- = CAN low data signal (CAN L)
- = MOST communication
- = Serial communication
- = DIN cable, coaxial cable, etc.
- = Data communication
- = CAN communication
- = Connection with distribution box
- = Further connection to...
- = Connector between wiring harnesses
- = Connector connected to component



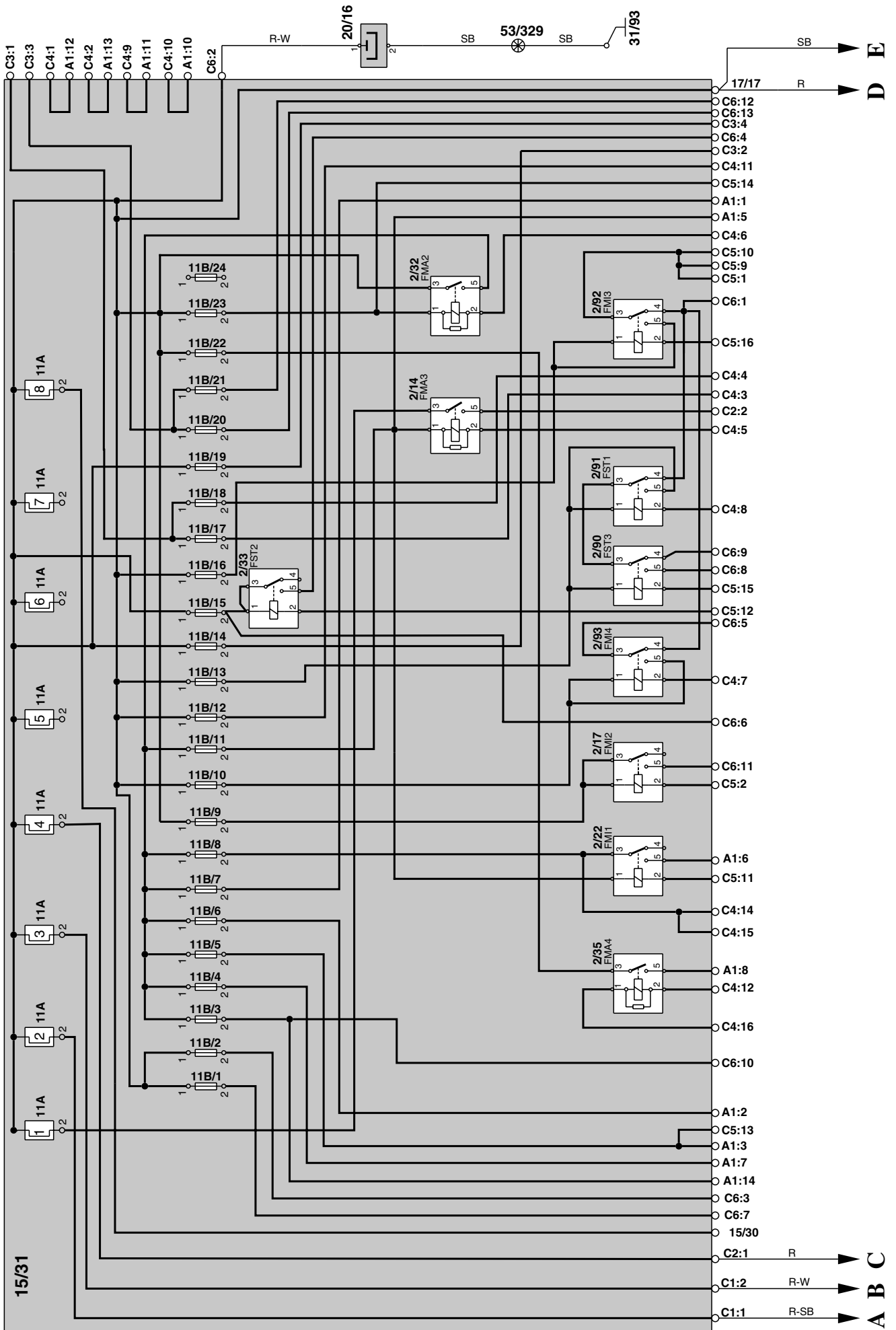
Electrical distribution
Overview V70



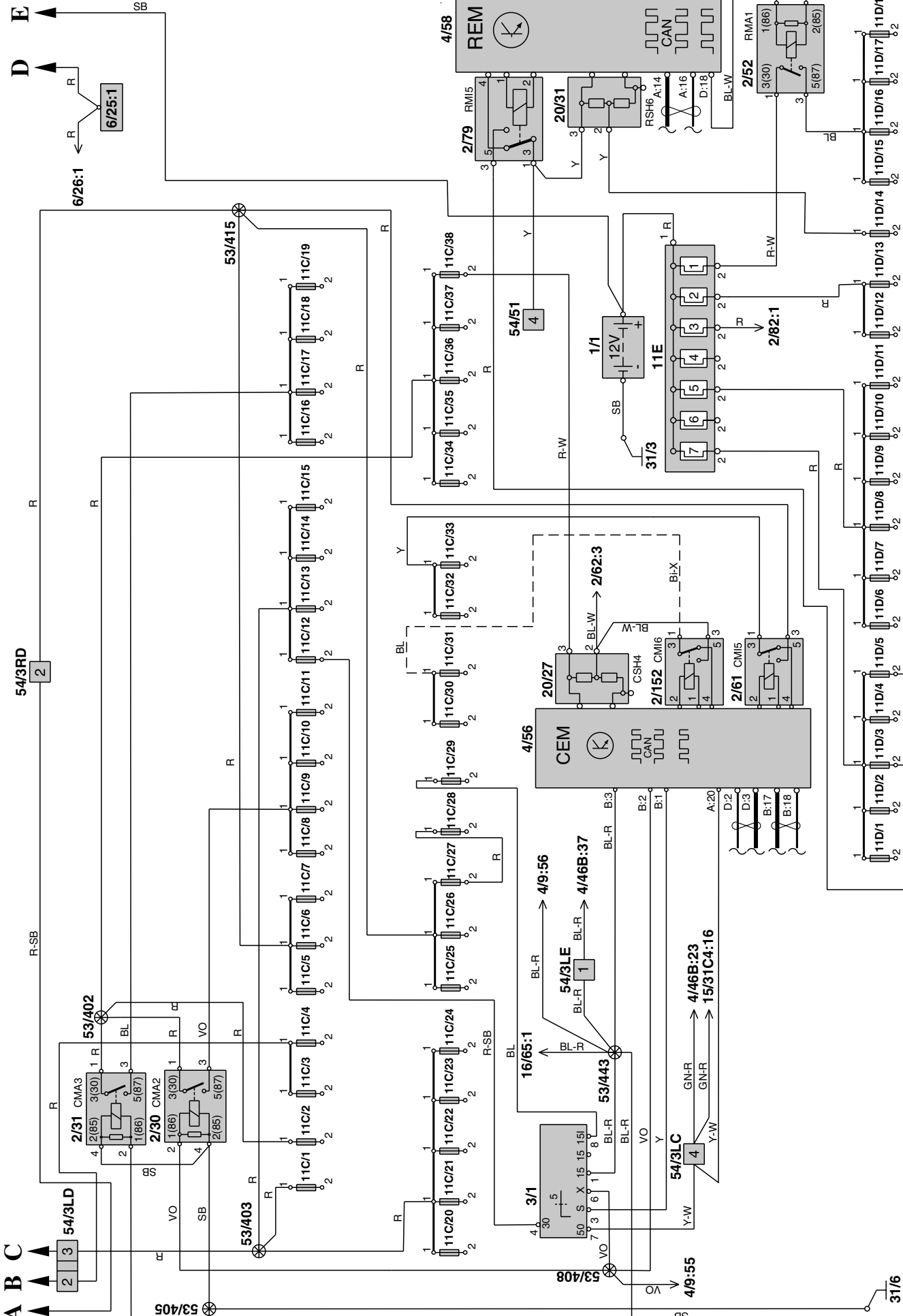


Electrical distribution

Overview XC90

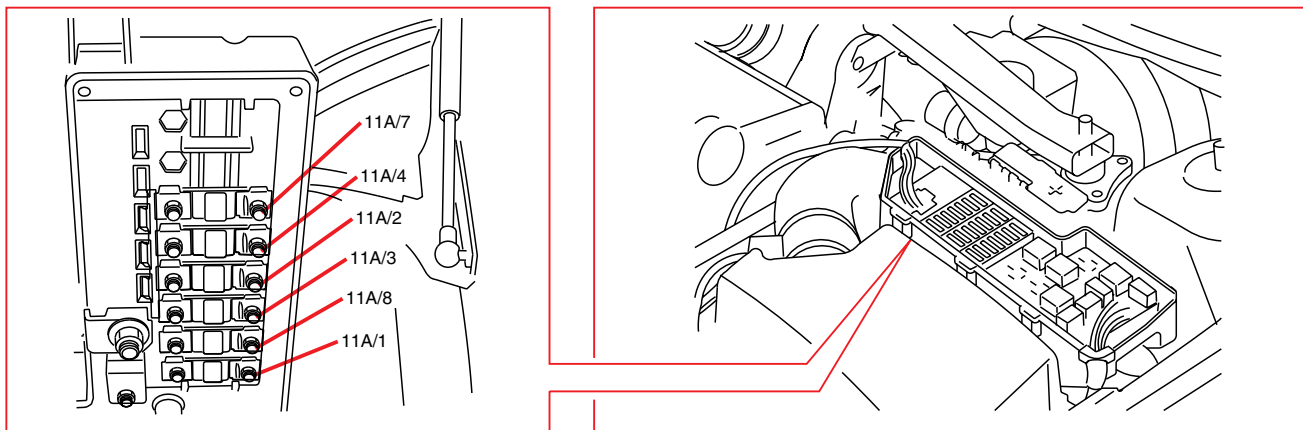


Overview XC90



Fuses

Engine compartment 11A/1-8

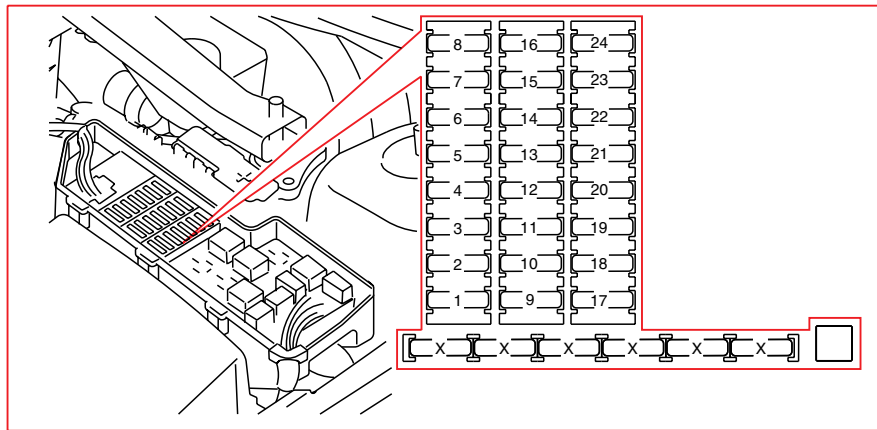


11A Fuses in the engine compartment

No.	Fuse function		via	A
1	20/22-26	Glow plug	2/14	60
2	11C/30-31	Fuse in passenger compartment fuse box, V70	2/61	60
	11C/32-33	Fuse in passenger compartment fuse box, V70		
	11C/34-37	Fuse in passenger compartment fuse box, V70		
	11C/5-7	Fuse in passenger compartment fuse box, XC90	2/61	
	11C/25-27	Fuse in passenger compartment fuse box, XC90		
	11C/32-33	Fuse in passenger compartment fuse box, XC90		
3	11C/1-4	Fuse in passenger compartment fuse box, V70	2/31 2/30	60
	11C/6-9	Fuse in passenger compartment fuse box, V70		
	11C/12-15	Fuse in passenger compartment fuse box, V70		
	11C/16-19	Fuse in passenger compartment fuse box, V70		
	11C/2	Fuse in passenger compartment fuse box, XC90	2/30 2/31	
	11C/3-4	Fuse in passenger compartment fuse box, XC90		
	11C/8-11	Fuse in passenger compartment fuse box, XC90		
	11C/16-19	Fuse in passenger compartment fuse box, XC90		
	11C/34-38	Fuse in passenger compartment fuse box, XC90		
4	11C/21-24	Fuse in passenger compartment fuse box, V70		60
	11C/25/29	Fuse in passenger compartment fuse box, V70		
	11C/1	Fuse in passenger compartment fuse box, XC90		
	11C/12-15	Fuse in passenger compartment fuse box, XC90		
	11C/20-24	Fuse in passenger compartment fuse box, XC90		
8	6/29	Motor, electric cooling fan	4/71	60 V70 80 XC90

Fuses

Engine compartment 11B/1-10

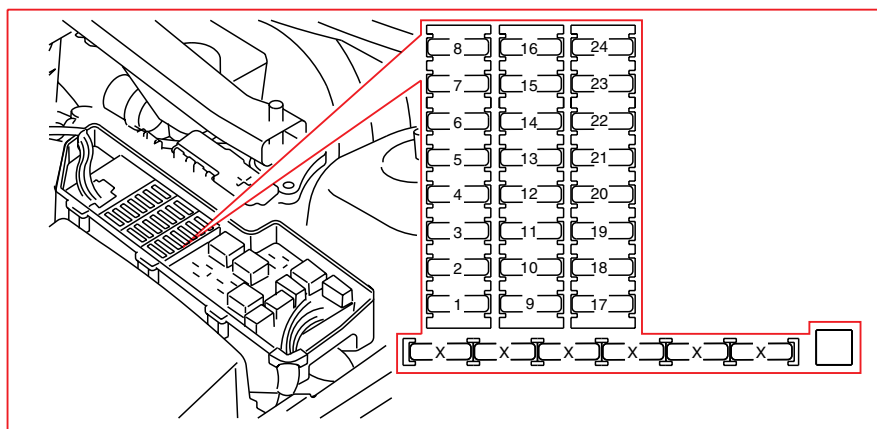


11B Fuses in the engine compartment

No.	Fuse function		via	A
1	4/7	Control module CPM		25
2		Accessory (auxiliary light)		20
3	6/105 6/114 8/75	Fuel distributor, gas Vacuum pump Valve, fuel cut-off DFCO	8/84	15
4	4/46 7/15 7/82 7/103 7/104 8/111	Engine Control Module (ECM), Diesel, CNG/LPG Heated oxygen sensor Heated oxygen sensor, diagnosis 1 Heated oxygen sensor 3 Heated oxygen sensor 4 (diagnostic probe) Solenoid valve, high-pressure diesel		20
5	6/67 8/18 8/19 8/28 8/81 9/32	Pump, fuel leakage control EVAP valve Solenoid, variable valve time, inlet Turbocharger control valve Solenoid, variable valve timing outlet PTC resistor, air preheating, Gasoline		10
6	7/17	Mass airflow sensor (MAF), Diesel		5
	4/46 8/6-11 7/17	Engine Control Module (ECM), Gasoline Injectors Mass airflow sensor (MAF), Gasoline		15
	7	4/46 4/50	Engine Control Module (ECM), V70 Electronic Throttle Module (ETM), V70	10
	8	6/44 7/51 8/3	Cooling fan, electrics box, engine compartment Accelerator pedal sensor Electromagnetic clutch, climate control system	10
9	2/17 16/10	Horn relay Horn	2/17	15
	16/11	Horn 2, V70	2/17	
	10	2/93 6/30	Relay, rear window washer motor Washer pump, rear window	2/93
continues				

Fuses

Engine compartment 11B/11-23

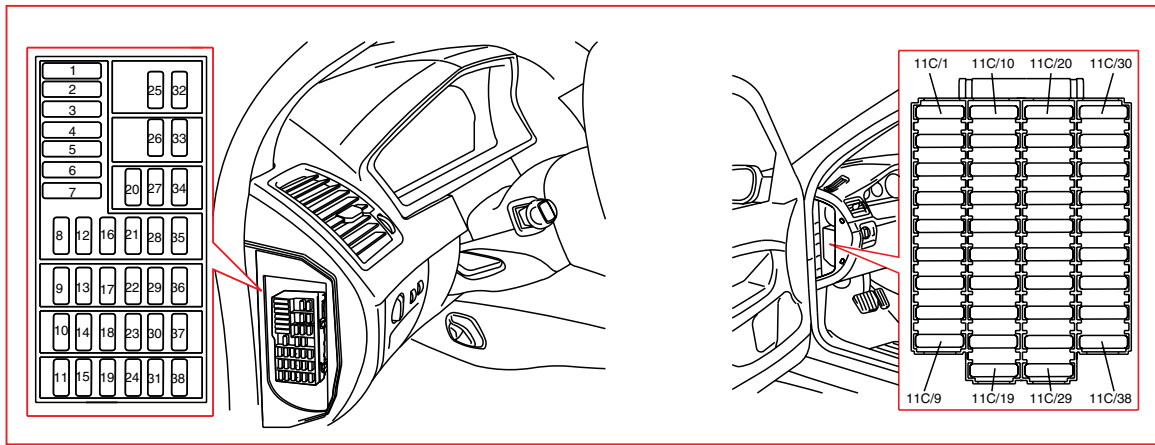


11B Fuses in the engine compartment

No.	Fuse function	via	A
11	2/14 Relay, glow plug unit 2/22 Relay, climate control system 8/17 EGR valve 8/64 Solenoid valve, engine mounting 8/82 Solenoid, variable turbo geometry 9/32 PTC resistor, air preheating, Diesel 20/3-8 Spark plug and ignition coil		20
12	3/9 Brake light contact		5
13	2/90 Relay, windshield wiper, low/high speed 2/91 Relay, intermittent wiping 6/1 Windshield wiper motor	2/90, 2/91	25
14	4/16 Brake Control Module BCM		30
15	8/79 LPG valve, V70 2/33 Fuel system relay, V70 2/33 High pressure wash relay, XC90 6/104 High pressure wash, headlights, XC90	2/33	15 25
16	2/92 Relay, windshield washer motor 6/2 Windshield washer pump 6/3 Right-hand headlight wiper motor, V70 6/4 Left-hand headlight wiper motor, V70	2/92	15
17	10/66 Right-hand low beam Bi-Xenon, right		10
18	10/70 Left-hand low beam Bi-Xenon, left		10
19	4/16 Brake Control Module BCM		30
20	10/68 Left-hand high beam		15
21	10/64 Right-hand high beam		15
22	6/25 Starter motor	2/35	25
23	2/32 Engine management system main relay 4/46 Engine Control Module (ECM), Gasoline		5

Fuses

Passenger compartment 11C/1-8



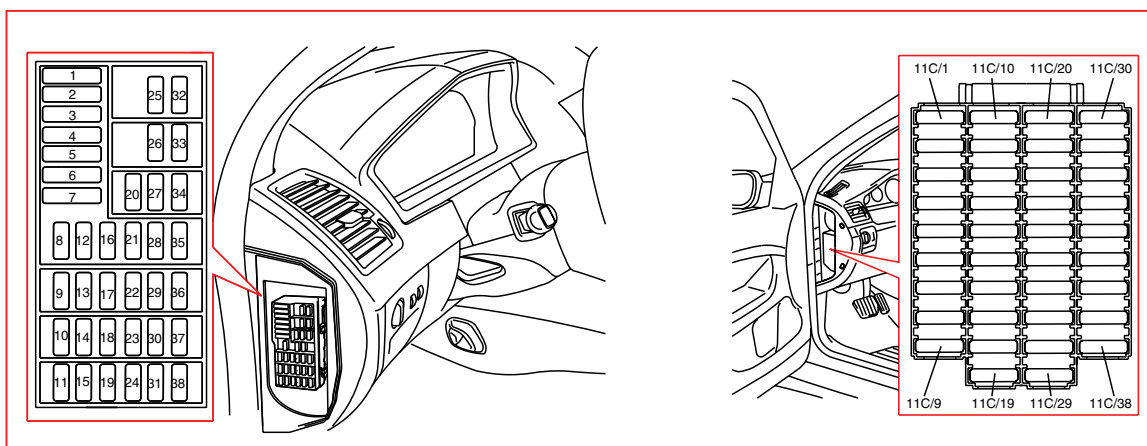
11C Fuses in the passenger compartment

No.	Fuse function	via	A
1	11B/17-18 Fuse in engine compartment fuse box, V70	20/27, 2/62	15
	6/28 Motor, passenger compartment fan, XC90	4/31	30
2	11B/20-21 Fuse in engine compartment fuse box, V70	2/63	20
	16/105 Audio control module AUD, XC90		30
3	4/52 Power driver seat module PSM		30
4	3/27 Power passenger seat module		30
5	3/74 Front left door lock unit, XC90	3/126	25
	6/62 Left-hand power door mirror, XC90	3/126	
	9/33 Left-hand heated door mirror, XC90	3/126	
	6/58 Front left power window motor, XC90	3/126	
	10/148 Left-hand door mirror lighting, XC90	3/126	
6	8/76 Gas tank valve, V70	2/140	5
	8/88 Solenoid, rear CNG fuel tank, V70	2/140	
	8/89 Solenoid, front left CNG fuel tank, V70	2/140	
	8/90 Solenoid, front right CNG fuel tank, V70	2/140	
	3/75 Lock unit, front right door, XC90	3/127	25
	6/63 Right-hand power door mirror, XC90	3/127	
	9/34 Right-hand heated door mirror, XC90	3/127	
	6/60§ Front right power window motor, XC90	3/127	
	10/149 Right-hand door mirror lighting, XC90	3/127	
7	9/12 Left seat heater, V70		15
	2/138 Deadlock relay, left rear door, XC90	2/120	30
	2/139 Deadlock relay, right rear door, XC90	2/120	
	3/85 Left rear door power window switch, XC90	2/120	
	3/86 Right rear door power window switch, XC90	2/120	
	6/92 Left rear power window motor, XC90	3/85, 2/116, 2/118	
	6/93 Right rear power window motor, XC90	3/86, 2/117, 2/119	
	10/151 Switch illumination, left rear door, XC90	2/120	
	10/152 Switch illumination, right rear door, XC90	2/120	
8	9/13 Right seat heater, V70		15

continues

Fuses

Passenger compartment 11C/9-13

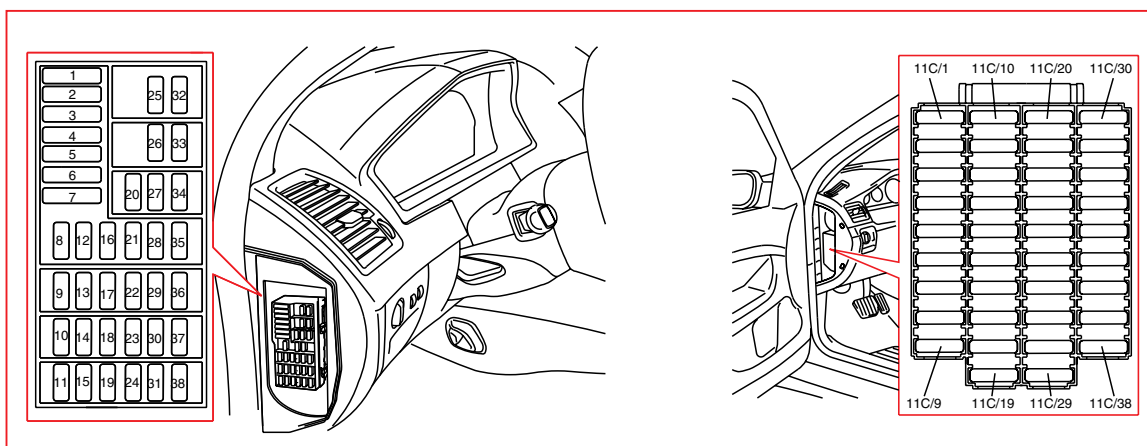


11C Fuses in the passenger compartment

No.	Fuse function		via	A
9	4/16	Brake Control Module (BCM), V70		5
	4/68	Steering Angle Sensor module (SAS), V70		
	6/3	Right-hand headlight wiper motor, XC90		15
	6/4	Left-hand headlight wiper motor, XC90		
	6/38	Left-hand headlight level adjustment motor, XC90		
	6/39	Right-hand headlight adjustment motor, XC90		
10	3/27	Switch unit, power passenger seat, XC90		5
	3/93	Switch, left-hand seat belt buckle, XC90		
	3/94	Switch, right-hand seat belt buckle, XC90		
	4/56	Central Electronic Module (CEM), XC90		
11	9/1	12V outlet, front, XC90		15
	9/25	12V outlet, rear, XC90		
12	6/3	Right-hand headlight wiper motor, V70		15
	6/4	Left-hand headlight wiper motor, V70		
	6/38	Left-hand headlight adjustment motor, V70		
	6/39	Right-hand headlight adjustment motor, V70		
	2/30	X feed overload relay, XC90	3/1	10
	2/31	15-feed overload relay, XC90	3/1	
	2/35	Starter motor relay, XC90	3/1	
	4/9	Control module, Supplemental Restraint System (SRS), XC90	3/1	
	4/46	Engine Control Module (ECM), XC90	3/1	
	4/56	Central Electronic Module (CEM), XC90	3/1	
16/65	Antenna ring/ignition switch lighting, XC90	3/1		
13	9/1	12V outlet, front, V70		15
	9/25	12V outlet, rear, V70		
continues				

Fuses

Passenger compartment 11C/14-20

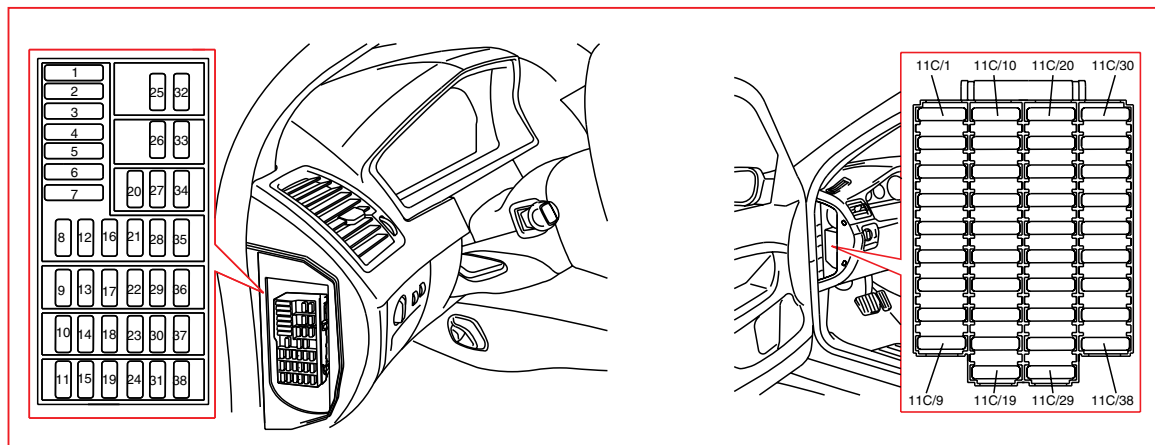


11C Fuses in the passenger compartment

No.	Fuse function		via	A
14	3/27	Switch unit, power passenger seat, V70		5
	3/93	Switch, left-hand seat belt buckle, V70		
	3/94	Switch, right-hand seat belt buckle, V70		
	4/56	Central Electronic Module (CEM), V70		
	3/117	Ceiling light switch unit, XC90		10
	4/70	Upper Electronic Module (UEM), XC90	4/70	
	4/76	Remote controlled garage door opener, XC90		
	7/149	Rain sensor, XC90		
	10/25	Ceiling light, cargo compartment, XC90	4/70	
	10/114	Left-hand vanity mirror lighting, XC90	4/70	
10/115	Right-hand vanity mirror lighting, XC90	4/70		
10/150	Rear reading light, XC90			
15	16/1	Audio, V70		5
	16/46	RTI display, V70		
	16/60	Integrated mobile telephone PHM, XC90		10
16	16/1	Audio, V70		20
	4/99	Electronic power steering control module, XC90		5
17	16/2	Amplifier, V70		30
	4/16	Brake Control Module (BCM), XC90		5
	4/68	Steering Angle Sensor module (SAS), XC90		
18	10/5	Front left fog light, V70	2/34	15
	10/6	Front right fog light, V70	2/34	
	9/12	Left seat heater, XC90		
19	16/46	RTI display, V70		10
	9/13	Right seat heater, XC90		15
20	16/105	Audio control module AUD, XC90	2/159	10
	16/46	Multimedia display, XC90	2/159	
	6/107	MD control module MP1, XC90	2/159	
	16/106	CD control module MP2, XC90	2/159	
	16/108	Multimedia module (MMM), XC90	2/159	
	16/1	Infotainment Control Module (ICM), XC90	2/159	
		Accessory wiring, infotainment EXT.D, XC90	2/159	
continues				

Fuses

Passenger compartment 11C/21-23

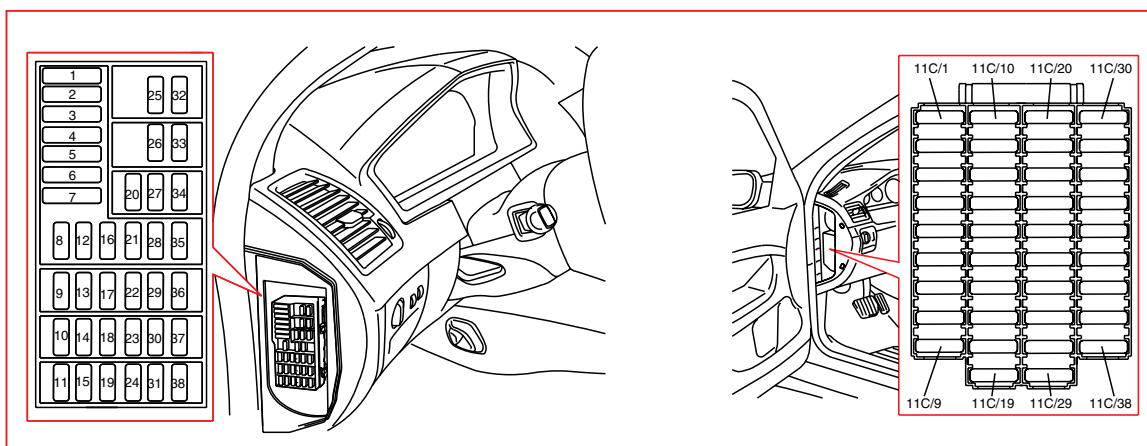


11C Fuses in the passenger compartment

No.	Fuse function		via	A
21	3/156	Gear Selector Module (GSM), Geartronic, V70	2/101	10
	4/28	Transmission Control Module (TCM), V70	2/101	
	6/105	Fuel distributor, gas, V70	2/101	
	8/36	Right rear belt tensioner igniter, V70	2/101	
	8/75	Valve, fuel cut-off DFCO, V70	2/101	
	5/1	Driver Information Module (DIM), XC90	2/29	
	4/52	Power driver's seat module (PSM), XC90	2/29	
	3/112	Climate Control Module (CCM), XC90	2/29	
4/7	Combustion Preheater Module (CPM), XC90	2/29		
22	4/56	Central Electronic Module (CEM), V70		20
	10/13	Front left direction indicator, V70	4/56	
	10/14	Front right direction indicator, V70	4/56	
	10/15	Direction indicator, left front fender, V70	4/56	
	10/16	Direction indicator, right front fender, V70	4/56	
	10/47	Right rear direction indicator, V70	4/56	
	10/54	Left rear direction indicator, V70	4/56	
		Towing bracket wiring, left-hand direction indicator, V70	20/32, 4/56	
		Towing bracket wiring, right-hand direction indicator, V70	20/34, 4/56	
	17/13	Data link connector, XC90		5
	3/111	Light Switch Module (LSM), XC90		
	3/112	Climate Control Module (CCM), XC90		
	3/130	Steering Wheel Module (SWM), XC90		
	23	17/13	Data link connector, V70	
3/111		Light Switch Module (LSM), V70		
3/112		Climate Control Module (CCM), V70		
3/130		Steering Wheel Module (SWM), V70		
4/56		Central Electronic Module (CEM), XC90		20
10/13		Front left direction indictor, XC90	20/32, 4/56	
10/14		Front right direction indicator, XC90	20/34, 4/56	
10/15		Direction indicator, left front door, XC90	20/32, 4/56	
10/16		Direction indicator, right front door, XC90	20/34, 4/56	
10/47		Right rear direction indicator, XC90	20/34, 4/56	
10/54		Left rear direction indicator, XC90	20/32, 4/56	
		Towing bracket wiring, left-hand direction indicator, XC90	20/32, 4/56	
		Towing bracket wiring, right-hand direction indicator, XC90	20/32, 4/56	
			20/32, 4/56	
continues				

Fuses

Passenger compartment 11C/24-28

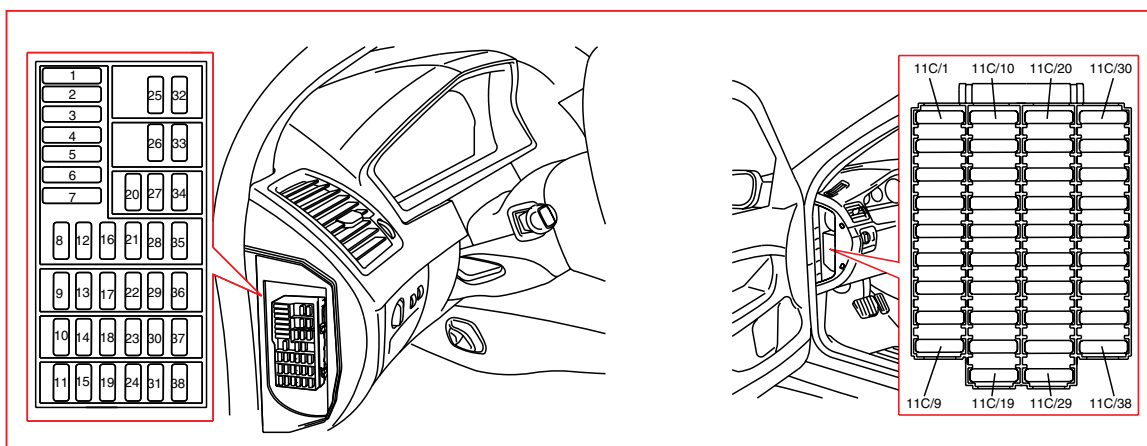


11C Fuses in the passenger compartment

No.	Fuse function	via	A
24	4/7 Combustion Preheater Module (CPM), V70	2/29	10
	4/52 Power Seat Module (PSM), V70		
	3/112 Climate Control Module (CCM), V70		
	5/1 Driver Information Module (DIM), V70		
	3/156 Gear Selector Module (GSM), Geartronic, XC90	2/101	
	4/28 Transmission Control Module (TCM), XC90	2/101	
	8/36 Shift lock solenoid, XC90	3/156, 2/101	
25	2/30 X feed overload relay, V70	3/1	10
	2/31 15-feed overload relay, V70	3/1	
	2/35 Starter motor relay, V70	3/1	
	4/46 Engine Control Module (ECM), V70	3/1	
	4/56 Central Electronic Module (CEM), V70	3/1	
	16/65 Antenna ring/ignition switch lighting, V70	3/1	
	6/33 Fuel pump, XC90	2/23	15
26	6/28 Motor, passenger compartment fan, V70		30
	6/15 Sunroof motor, XC90	4/33	15
27	4/56 Central Electronic Module (CEM), XC90		10
	11C/28 Fuse in passenger compartment fuse box, XC90		
28	3/117 Ceiling light switch unit, V70	4/70	10
	4/70 Upper Electronic Module (UEM), V70		
	4/76 Remote controlled garage door opener, V70		
	7/149 Rain sensor, V70		
	10/25 Ceiling light, cargo compartment, V70	4/70	
	10/114 Left-hand vanity mirror lighting, V70	4/70	
	10/115 Right-hand vanity mirror lighting, V70	4/70	
	10/150 Rear reading light, V70		
	16/35 Siren Control Module (SCM), XC90		5
continues			

Fuses

Passenger compartment 11C/29-33

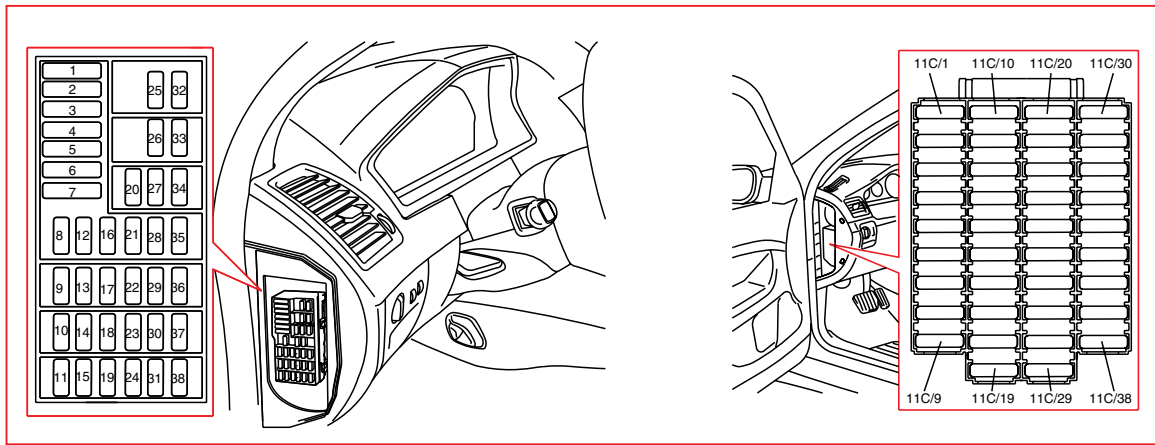


11C Fuses in the passenger compartment

No.	Fuse function	via	A
29	16/60 Phone Module (PHM), V70		10
30	10/11 Front left parking light, EU/OS, V70 10/51 Tail light 1, left, V70 10/52 Tail light 2, left, V70 10/129 Front left parking light, USA/CDN, V70 10/1 Front left lamp housing, Bi-Xenon electronic unit, V70 Towing bracket wiring, left-hand tail light, V70 10/1 Front left lamp housing, Daytime running lights, XC90	20/28 20/28	7,5 10
31	10/2 Front right parking light, Bi-Xenon electronic unit, V70 10/3 License plate lighting, V70 10/12 Front right parking light, V70 10/44 Tail light 1, right, V70 10/45 Tail light 2, right, V70 10/130 Front right parking light, USA/CDN, V70 Towing bracket wiring, right-hand tail light, V70 10/2 Front right lamp housing, Daytime running lights, XC90	20/33 20/33	7,5 10
32	4/56 Central Electronic Module (CEM), V70 11C/38 Fuse in passenger compartment fuse box, V70 10/11 Front left parking light, XC90 10/51 Left-hand tail light, XC90 Towing bracket wiring, left-hand tail light, XC90		10 7,5
33	6/33 Fuel pump, V70 10/12 Front right parking light, XC90 10/44 Right-hand tail light, XC90 10/3 License plate lighting, XC90 Towing bracket wiring, right-hand tail light, XC90	2/23	15 7,5
continues			

Fuses

Passenger compartment 11C/34-38

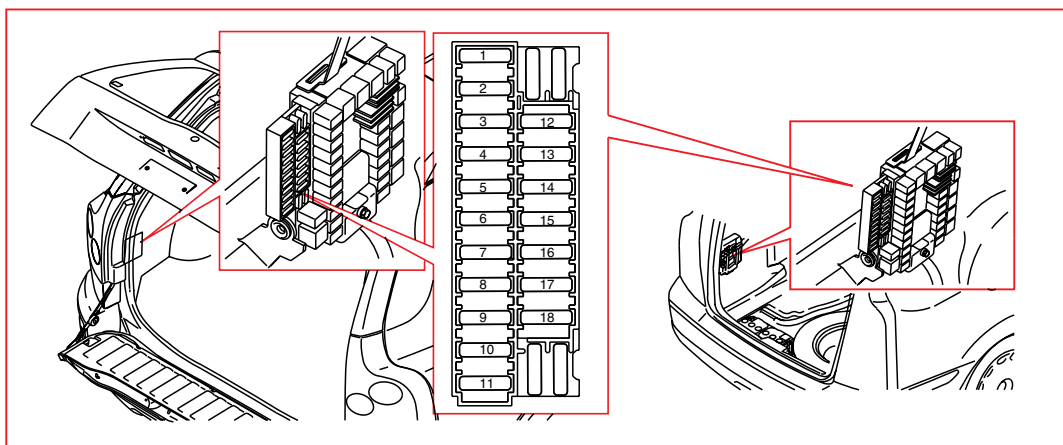


11C Fuses in the passenger compartment

No.	Fuse function	via	A
34	6/15 Sunroof motor, V70	4/33	15
	10/5 Front left fog light, XC90	2/34	
	10/6 Front right fog light, XC90	2/34	
35	3/74 Lock unit, left front door, V70	3/126	25
	6/58 Front left power window motor, V70	3/126	
	6/62 Left-hand power door mirror, V70	3/126	
	9/33 Left-hand heated door mirror, V70	3/126	
	10/148 Left-hand door mirror lighting, V70	3/126	
36	3/75 Lock unit, right front door, V70	3/127	25
	6/60 Front right power window motor, V70	3/127	
	6/63 Right-hand power door mirror, V70	3/127	
	9/34 Right-hand heated door mirror, V70	3/127	
	10/149 Right-hand door mirror lighting, V70	3/127	
	11B/20-21 Fuse protection, XC90		20
37	2/138 Deadlock relay, left rear door, V70	2/120	30
	2/139 Deadlock relay, right rear door, V70	2/120	
	3/85 Left rear door power window switch, V70	2/116, 2/118	
	3/86 Right rear door power window switch, V70	2/117, 2/119	
	6/92 Left rear power window motor, V70	3/85	
	6/93 Right rear power window motor, V70	3/86	10
	10/151 Switch illumination, left rear door, V70	2/120	
	10/152 Switch illumination, right rear door, V70	2/120	
	16/46 Multimedia display, XC90		
	10/107 MD control module MP1, XC90		
	10/106 CD control module MP2, XC90		
	30+ Accessory wiring, infotainment, XC90		
38	16/35 Siren Control Module (SCM), V70		5
	11B/17-18 Fuse in engine compartment fuse box, XC90	2/62, 20/27	15
	11C/30-31 Fuse in passenger compartment fuse box, XC90	2/152, 20/27	

Fuses

Cargo compartment 11D/1-7

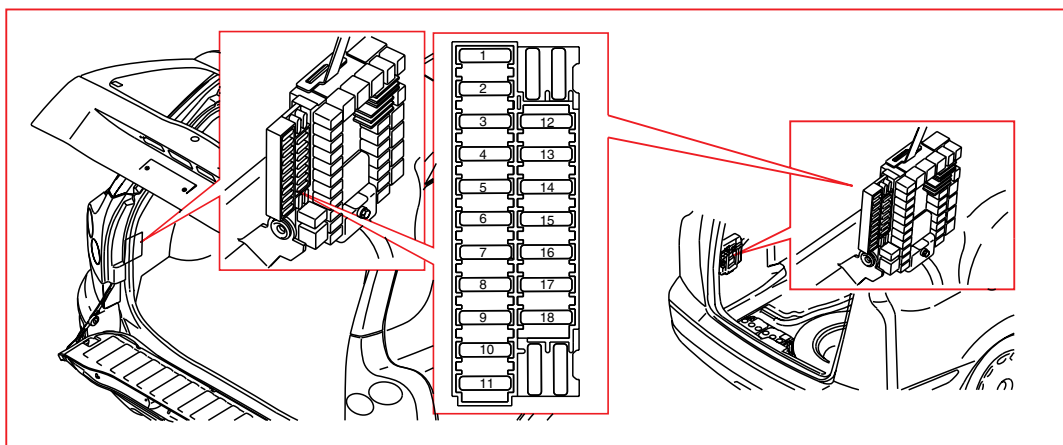


11D Fuses in the cargo compartment

No.	Fuse function	via	A
1	4/58 Rear Electronic Module REM		10
	10/173 Cargo compartment lighting, tailgate, XC90	4/58	
2	10/53 Fog light, left rear	2/49, 20/29, 4/58	10
	10/46 Right rear fog light Towing bracket wiring, rear fog light	2/49, 20/29, 4/58 2/83, 2/49, 20/29, 4/58	
3	10/43 Right-hand brake light	20/31, 2/79	15
	10/50 Left-hand brake light Towing bracket wiring, brake lights	20/31, 2/79 20/31, 2/79	
4	10/48 Right-hand reversing light	2/80	10
	10/55 Left-hand reversing light Towing bracket wiring, reversing lights	2/80 2/80	
5	2/52 Relay, 15l feed, rear		5
	2/82 Relay, heated rear window		
6	3/78 Tailgate lock unit	2/67	10
7	17/19 12V outlet, cargo compartment	20/39	15
continues			

Fuses

Cargo compartment 11D/8-18

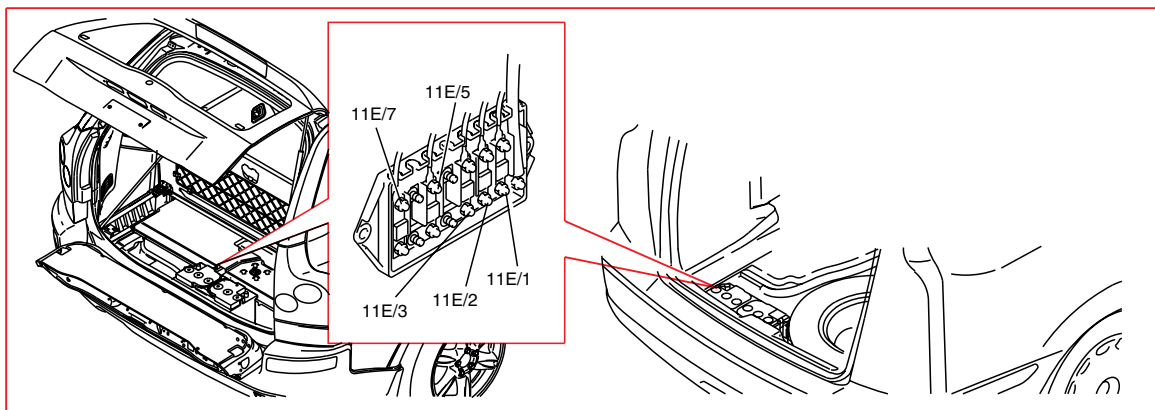


11D Fuses in the cargo compartment

No.	Fuse function		via	A
8	3/76	Left-hand rear door lock unit	2/112, 2/158, 2/138, 2/115 2/114, 2/158, 2/139, 2/115 2/59, 2/158 2/158	20
	3/77	Right-hand rear door lock unit		
	6/37	Lock motor, fuel filler flap		
	3/78	Tailgate lock unit		
9	30+	Towing bracket wiring		15
10	16/45	Road Traffic Information module (RTI), V70		10
	16/110	Antenna control module ATM, XC90		5
11	4/78	Accessory Electronic Module AEM		15
12	6/32	Rear window wiper motor	2/16, 2/72	15
13	16/79	Bass speaker, V70	2/70 2/157	15
	6/76	Climate control system, rear XC90		
	16/79	Bass speaker system SUB, XC90		
14	10/43	Right-hand brake light	2/79, 20/31 2/79, 20/31	7,5
	10/50	Left-hand brake light		
15	15I+	Towing bracket wiring		20
	4/86	Parking Assistance Module (PAM), XC90		
17	2/142	Relay, preheated fuel filter, Diesel		7,5
	4/82	Differential Electronic Module (DEM)		
18	9/38	Preheated fuel filter, Diesel	2/142	15

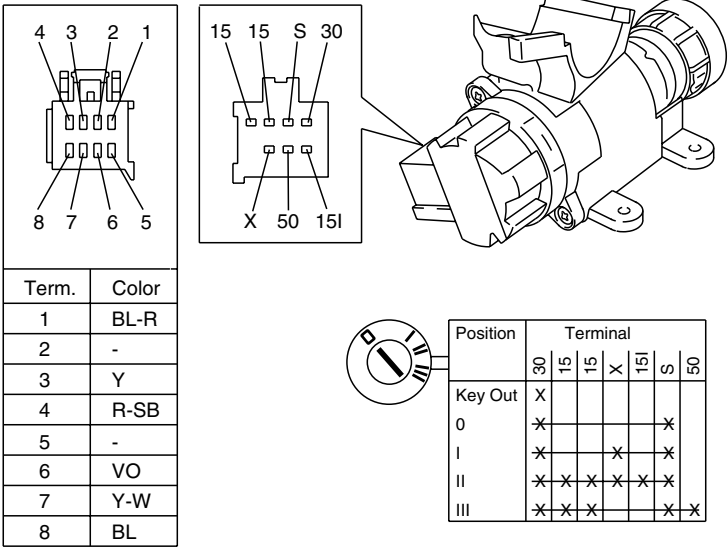
Fuses

Cargo compartment 11E/1-7



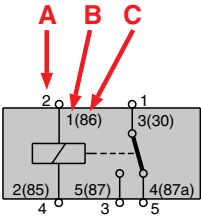
11E Fuses at the battery

No.	Fuse function	via	A
1	11D/15-18 Fuse in cargo compartment fuse box	2/52	40
2	11D/12-13 Fuse in cargo compartment fuse box		40
3	9/2 Heated rear window	2/82	40
5	11D/6-11 Fuse in cargo compartment fuse box		40
7	11D/1-5 Fuse in cargo compartment fuse box		40



Relays, general

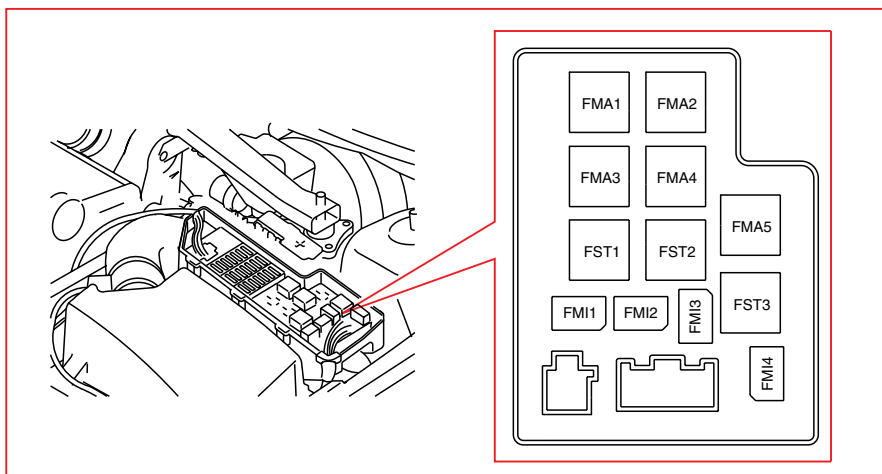
The diagram indicates two or three different designations for the relay's position. This is described below.



- A = Corresponds to the position on the rear of the relay box (wiring side).
- B = Corresponds to the position on the relay.
- C = Is an old designation that can be on the relay.

Relays/Shunts

Engine compartment FMA2 - FST3

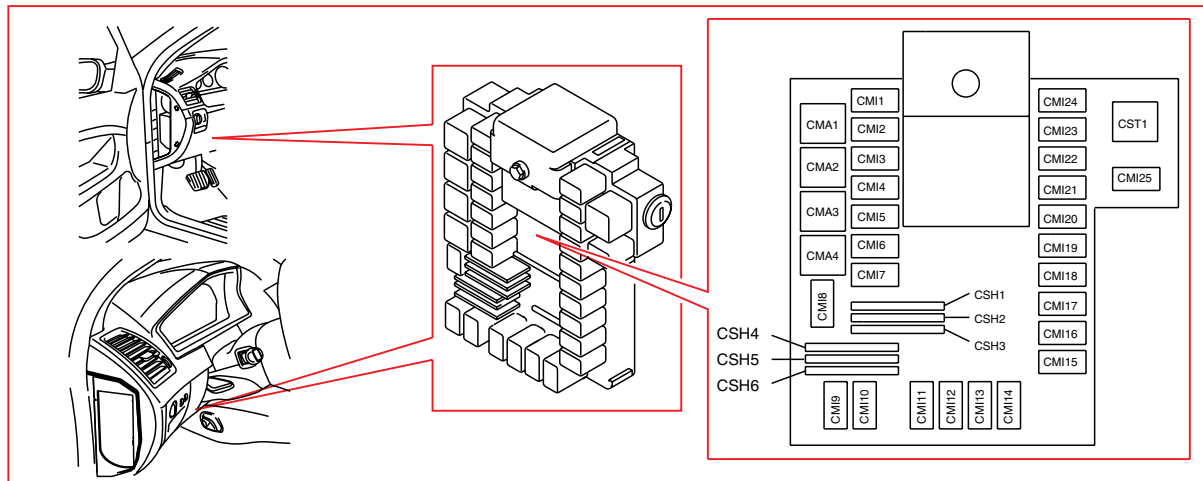


Relays in the engine compartment

Pos	Relay functions	
FMA2	2/32	Engine management system main relay
FMA3	2/14	Relay, glow plug unit
FMA4	2/35	Starter motor relay
FMI1	2/22	Relay, climate control system
FMI2	2/17	Horn relay
FMI3	2/92	Relay, windshield washer motor
FMI4	2/93	Relay, rear window washer motor
FST1	2/91	Relay, intermittent windshield wiper
FST2	2/33	Fuel system relay, V70
	2/33	High pressure wash relay, XC90
FST3	2/90	Relay, windshield wiper, low/high speed

Relays/Shunts

Passenger compartment CMA2 - CSH4

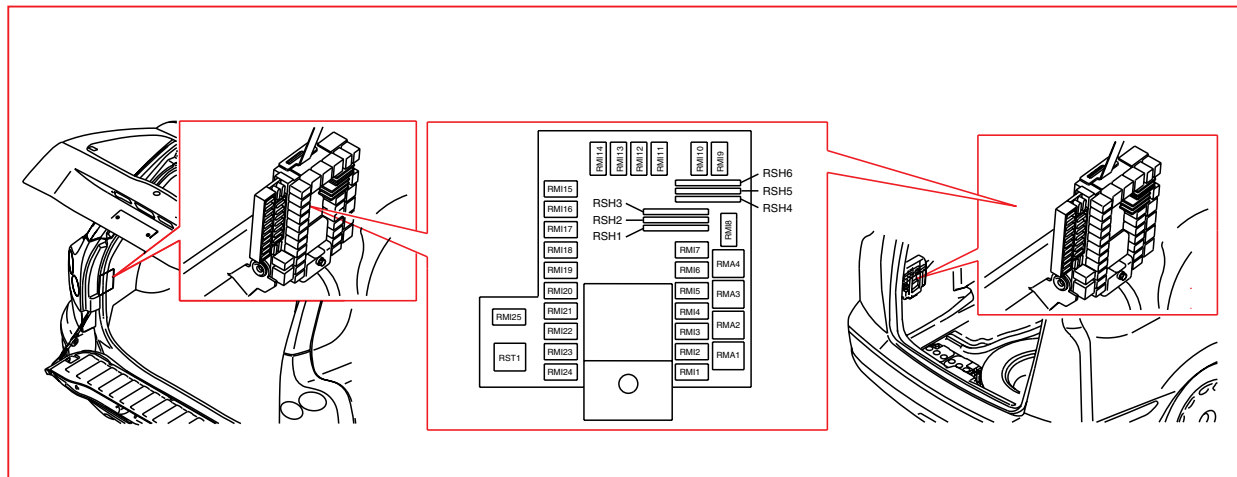


Relays/shunts in the passenger compartment

Pos	Relay function	
CMA2	2/30	X feed overload relay
CMA3	2/31	15-feed overload relay
CMI1	2/116	Rear power window up relay
CMI2	2/118	Rear power window down relay
CMI3	2/120	Relay - power windows, power child lock rear door
CMI4	2/63	High beam relay
CMI5	2/61	Relay, parking light
CMI6	2/152	Daytime running lights relay, XC90
CMI7	2/62	Relay, low beam
CMI11	2/34	Fog light relay, front
CMI12	2/23	Fuel pump relay
CMI14	2/143	Relay, fuel leakage control
CMI16	2/159	Infotainment relay, XC90
CMI21	2/101	Relay for extended D2 feed, automatic transmission
CMI22	2/29	Relay, extended D1 feed
CMI23	2/119	Right rear power window down relay
CMI24	2/117	Right rear power window up relay
CSH1	20/32	Shunt, indicator CEM, left
CSH2	20/34	Shunt, indicator CEM, right
CSH4	20/27	Shunt, low beam CEM

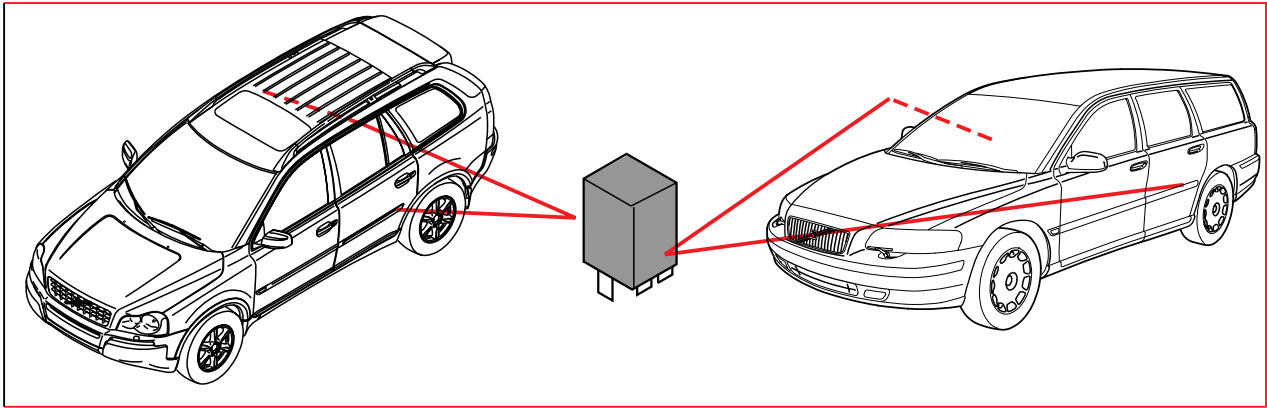
Relays/Shunts

Cargo compartment RMA1 - RSH6



Relays/shunts in the cargo compartment

Pos	Relay function	
RMA1	2/52	Relay, 15l feed, rear
RMA2	2/157	Bass speaker system relay, XC90
RMA3	2/82	Relay, heated rear window
RMI1	2/158	Locking relay, rear doors, filler flap
RMI2	2/112	Unlocking relay, left-hand rear
RMI3	2/115	Relay, deadlock, rear doors
RMI4	2/80	Reversing light relay
RMI5	2/79	Brake light relay
RMI6	2/49	Relay, rear fog light
RMI7	2/83	Trailer fog light relay
RMI8	2/142	Relay, preheated fuel filter
RMI13	2/72	Relay, rear window wiper
RMI16	2/16	Relay, intermittent rear window wiping on/off
RMI17	2/140	Relay CNG/LPG
RMI18	2/70	Relay, rear climate control system, XC
RMI19	2/87	Unlocking relay, tailgate
RMI21	2/59	Unlocking relay, fuel filler flap
RMI23	2/114	Unlocking relay, right-hand rear
RSH2	20/29	Shunt, fog light REM
RSH3	20/39	Shunt, cargo compartment 12V outlet
RSH4	20/28	Shunt, parking light REM
RSH5	20/33	Shunt, parking light/tail light REM
RSH6	20/31	Shunt, brake light REM



Other relays

Pos	Relay function	
Left-hand rear door	2/138	Deadlock relay, left-hand rear door
Right-hand rear door	2/139	Deadlock relay, right-hand rear door

Ground connections

31/1 - 31/44

31/1	
6/2:4	Windshield washer pump
6/2:6	Windshield washer pump, XC90
6/3:3	Right-hand headlight wiper motor, V70

31/2	
4/71A:2	Cooling fan control module, V70
4/71:1	Cooling fan control module, XC90

31/3	
1/1	Battery

31/4	
31/44	Ground connection

31/6	
4/56E:1	Central Electronic Module (CEM), LHD
4/31A:4	Fan control module, RHD
53/405	Junction point
-10/29:2	-glove compartment lighting
-2/30:4	-X feed overload relay
-3/6:5	-hazard warning flasher switch
-2/143:1	-relay, fuel leakage control, LHD
-16/65:6	-antenna ring/ignition switch lighting
-10/125:4	-left front courtesy lighting
-54/13:22	-connector
-10/126:4	-right front courtesy lighting 1

31/10	
4/31A:4	Fan control module, LHD
4/56E:1	Central Electronic Module (CEM), RHD
53/406	Junction point
-9/1:2	-12V outlet, front
-9/25A:3	-12V outlet, rear

31/44	
31/4	Ground connection

31/47	
53/605	Junction point
-54/78:14	-connector SUB
-54/66:1	-connector, V70
-16/79:10	-bass speaker V70
-16/79:9	-bass speaker V70
-16/79A:1	-bass speaker system SUB, XC90
-2/157:2	-bass speaker system relay, XC90
54/78:14	Connector W/O SUB

31/48	
6/33:4	Fuel pump

31/66	
53/500	Junction point
-54/24:13	-connector, RHD
-4/52A:2	-Power driver's seat module (PSM), LHD
-54/24:3	-connector
-54/74:4	-connector
-54/10:11	-connector
-54/20:12	-connector

31/67	
53/501	Junction point
-54/25:3	-connector
-54/21:12	-connector
-4/52A:2	-power driver's seat module (PSM), RHD
-54/25:13	-connector LHD
-54/11:11	-connector
-6/35:2	-fuel pump, auxiliary heater

31/72	
53/601	Junction point
-4/58E:1	-Rear Electronic Module (REM)
-10/18A:6	-rear left lamp housing
-54/78:7	-connector
-54/78:6	-connector
-10/18B:4	-rear left lamp housing, V70
-4/86A:4	-Parking Assistance Module (PAM), XC90
-6/76A:2	-climate control system, rear XC90
53/602	Junction point, RTI
-7/100:15	-Vehicle inclination sensor module (ISM)
-16/15	-CD changer
-16/45D:5	-Road Traffic Information (RTI)
7/100:5	Vehicle inclination sensor (ISM), without RTI

Ground connection

31/73 - 31/84

31/73	
53/604	Junction point
-4/78A:1	-Accessory Electronic Module (AEM)
-10/17A:6	-rear right lamp housing
-17/19:2	-12V outlet, cargo compartment
-54/35:4	-connector, Diesel
-10/17B:4	-right rear lamp housing, V70
-54/54:8	-connector, Bifuel, V70
-54/106:2	-connector, Bifuel, V70
54/51:7	Connector

31/83	
53/400	Junction point
-5/1:14	-Driver Information Module (DIM)
-16/65:7	-antenna ring/ignition switch lighting
-54/13:20	-connector
-16/108A:5	-Multimedia module (MMM), XC90

31/84	
53/438	Junction point
-3/111:5	-Light Switch Module (LSM)
-3/130:16	-Steering Wheel Module (SWM)
-3/130:22	-Steering Wheel Module (SWM)
-3/112A:16	-Climate Control Module (CCM)
-4/68:16	-Steering Angle Sensor module (SAS), DSTC
-17/13:4	-data link connector
-17/13:5	-data link connector
-16/1A:10	-Infotainment Control Module (ICM), XC90
-16/60A:18	-integrated mobile telephone PHM, XC90
-16/106A:4	-CD control module MP2, XC90
-16/107A:4	-MD control module MP1, XC90
-54/112:4	-connector, XC90
16/105A:2	Audio control module AUD, XC90
53/448	Junction point
-53/423	-junction point
-16/1A:12	-audio with amplifier, RHD, V70
-16/2A:2	-amplifier, RHD, V70
-16/105A:2	-audio control module AUD, MMM, XC90
16/1A:12	Audio, V70
16/1A:12	Infotainment Control Module (ICM), XC90

31/88	
20/3:3	Spark plug and ignition coil
20/4:3	Spark plug and ignition coil

31/89	
20/5:3	Spark plug with ignition coil, 5-cyl
20/6:3	Spark plug with ignition coil, 5-cyl
20/7:3	Spark plug with ignition coil, 5-cyl
53/323	Junction point, 6-cyl
-20/5:3	-spark plug and ignition coil
-20/6:3	-spark plug and ignition coil
-20/7:3	-spark plug and ignition coil
-20/8:3	-spark plug and ignition coil

31/91	
4/50B:5	Electronic Throttle Module (ETM), Bi-Fuel
9/32:2	PTC resistor, air preheating, Gasoline
9/32B:1	PTC resistor, air preheating, Bifuel

31/93	
53/329	Junction point
-3/10:2	-reversing light contact
-4/99:3	-electronic power steering control module
-6/114:2	-vacuum pump
-7/4:2	-brake fluid level sensor
-7/51:3	-washer fluid level sensor
-7/73:2	-coolant level sensor
-20/16:2	-capacitor
-54/3LA:5	-connector
-8/79:1	-LPG valve, V70
53/301	Junction point
-10/5:2	-front left fog light
-6/38:1	-left-hand headlight level adjustment motor, V70
-10/1A:1	-front left lamp housing, V70
-10/1B:3	-front left lamp housing, V70
-10/71:2	-front left side marker light, V70
-10/1A:4	-front left lamp housing, XC90
continues	

Ground connection

31/93 cont. - 31/96

31/93 cont.	
53/331	Junction point
-6/1:4	-windshield wiper motor
-8/37B:2	-automatic transmission
-8/37B:4	-automatic transmission
-15/31C6:1	-engine compartment distribution box
-54/58:2	-connector
-54/58:4	-connector
-6/4:3	-left-hand headlight wiper motor, V70
-10/15:1	-direction indicator, left front fender, V70
-54/4:4	-connector, V70
-3/62:2	-hood alarm contact, XC90
-16/10:2	-horn 1, XC90
-54/9:3	-connector, XC90

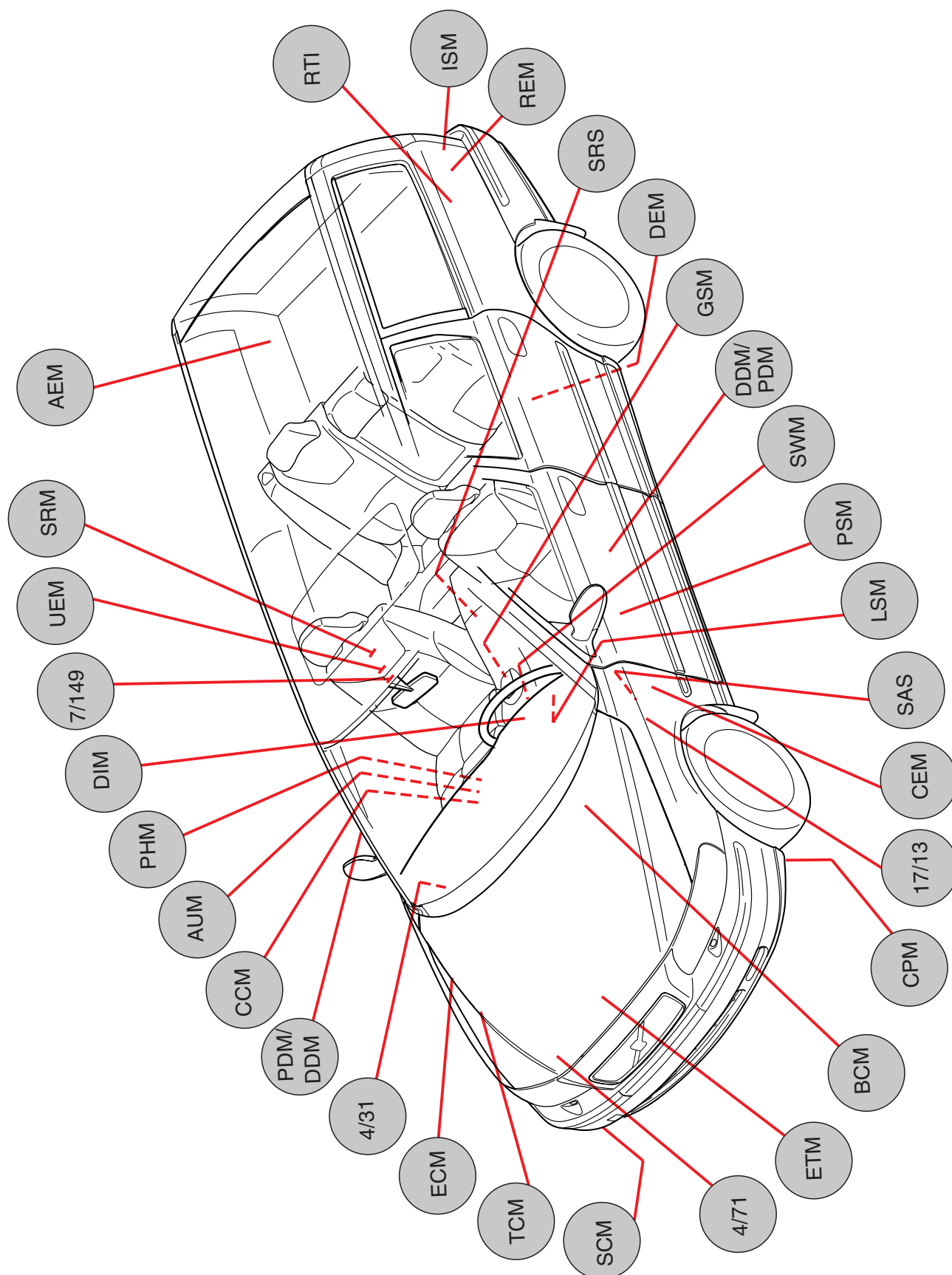
31/94	
53/303	Junction point
-10/6:2	-front right fog light
-16/35:3	-Siren Control Module (SCM)
-6/39:1	-right-hand headlight adjustment motor, V70
-10/2A:1	-front right lamp housing, V70
-10/2B:3	-front right lamp housing, V70
-10/16:1	-direction indicator, right front fender, EU/OS, V70
-10/73:2	-front right side marker light, V70
-10/2A:4	-front right lamp housing, XC90
4/28A:53	Transmission Control Module (TCM)

31/95	
53/384	Junction point
-4/16:16	-Brake Control Module (BCM)
-4/16:47	-Brake Control Module (BCM)

31/96	
53/326	Junction point
-4/46A:17	-Engine Control Module (ECM), 5-cyl
-4/46A:36	-Engine Control Module (ECM), Diesel, Bifuel
-4/46A:53	-Engine Control Module (ECM)
-4/46A:54	-Engine Control Module (ECM)
-4/46A:62	-Engine Control Module (ECM), 5-cyl, Bifuel
-4/46A:63	-Engine Control Module (ECM), Gasoline, 5-cyl T, 6-cyl, 6-cyl T
-6/105	-fuel distributor, gas
-9/32:2	-PTC resistor, air preheating, Diesel

31/98	
10/115:3	Right-hand vanity mirror lighting
53/503	Junction point
-3/117A:10	-Ceiling light switch unit
-4/33A:5	-Sunroof control module (SRM)
-4/70:20	-Upper Electronic Module (UEM)
-10/114:3	-Left-hand vanity mirror lighting
-10/150:4	-Rear reading light
-54/16:2	-connector
-54/13:20	-connector
-10/25:4	-Ceiling light, cargo compartment, V70
-7/122:5	-Mass Movement Sensor control module (MMS), front, XC90
-7/158:5	-Lateral accelerometer, XC90
-10/172:4	-Reading light, third row of seats, XC90

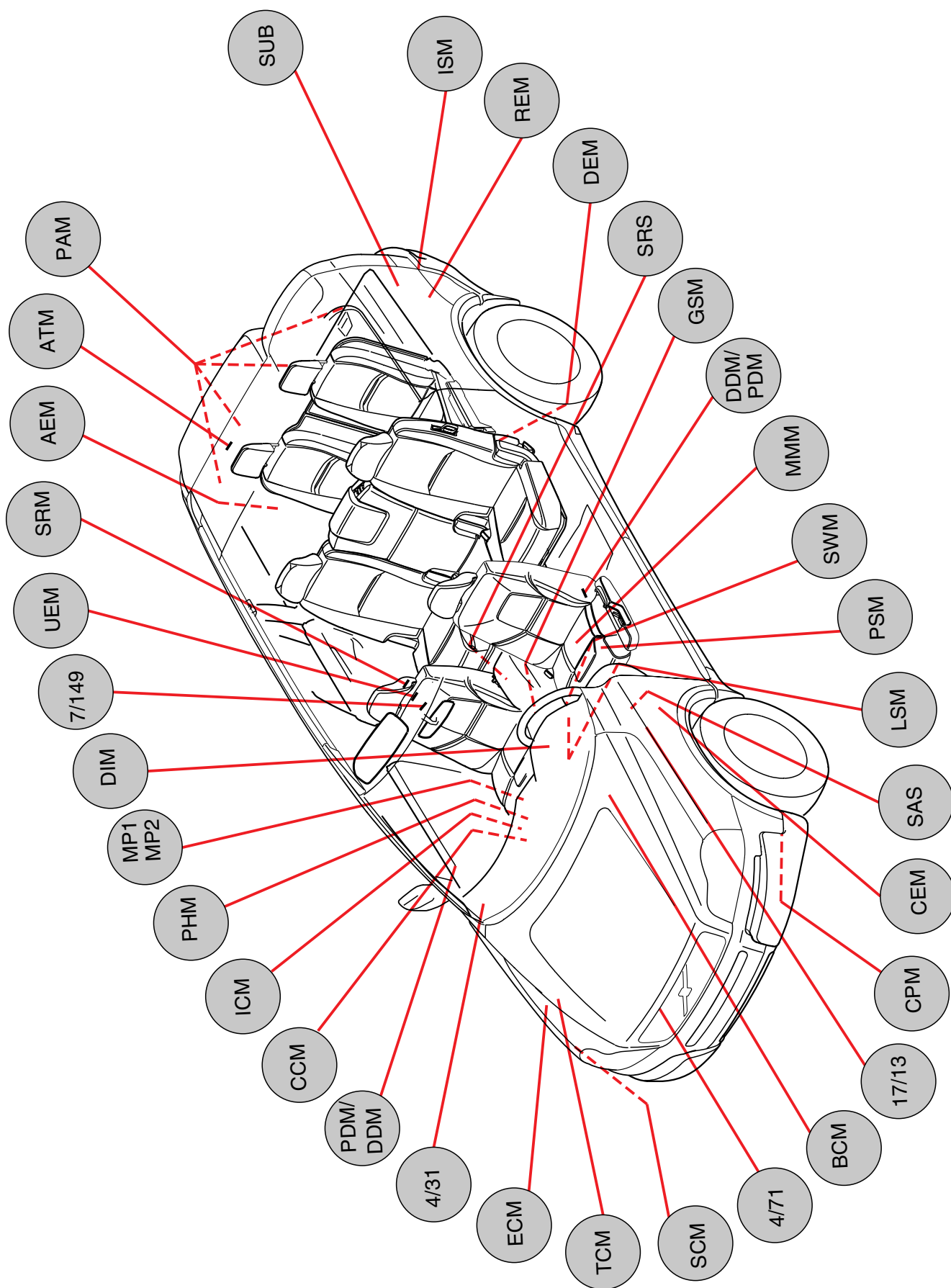
Control modules Overview V70/XC70



Control modules Overview V70/XC70

Unit	Designation	
AEM	4/78	Accessory Electronic Module AEM
AUM	16/1	Audio
BCM	4/16	Brake Control Module (BCM)
CCM	3/112	Climate Control Module (CCM)
CEM	4/56	Central Electronic Module CEM
CPM	4/7	Combustion Preheater Module (CPM)
DEM	4/82	Differential Electronic Module DEM
DIM	5/1	Driver Information Module (DIM)
ECM	4/46	Engine Control Module (ECM)
ETM	4/50	Electronic Throttle Module ETM
GSM	3/156	Gear Selector Module (GSM)
ISM	7/100	Vehicle inclination sensor ISM
LSM	3/111	Light Switch Module LSM
PDM/ DDM	3/127	Passenger/Driver Door Module (PDM/DDM)
DDM/ PDM	3/126	Driver/Passenger Door Module (DDM/PDM)
PHM	16/60	Phone Module (PHM)
PSM	4/52	Power Seat Module (PSM)
REM	4/58	Rear Electronic Module REM
RTI	16/45	Road Traffic Information (RTI)
SAS	4/68	Steering Angle Sensor module SAS
SCM	16/35	Siren Control Module (SCM)
SRM	4/33	Sunroof control module SRM
SRS	4/9	Control module, Supplemental Restraint System (SRS)
SWM	3/130	Steering Wheel Module (SWM)
TCM	4/28	Transmission Control Module (TCM)
UEM	4/70	Upper Electronic Module UEM
4/31	4/31	Fan control module
4/71	4/71	Cooling fan control module
7/149	7/149	Rain sensor
17/13	17/13	Data link connector

Control modules Overview XC90



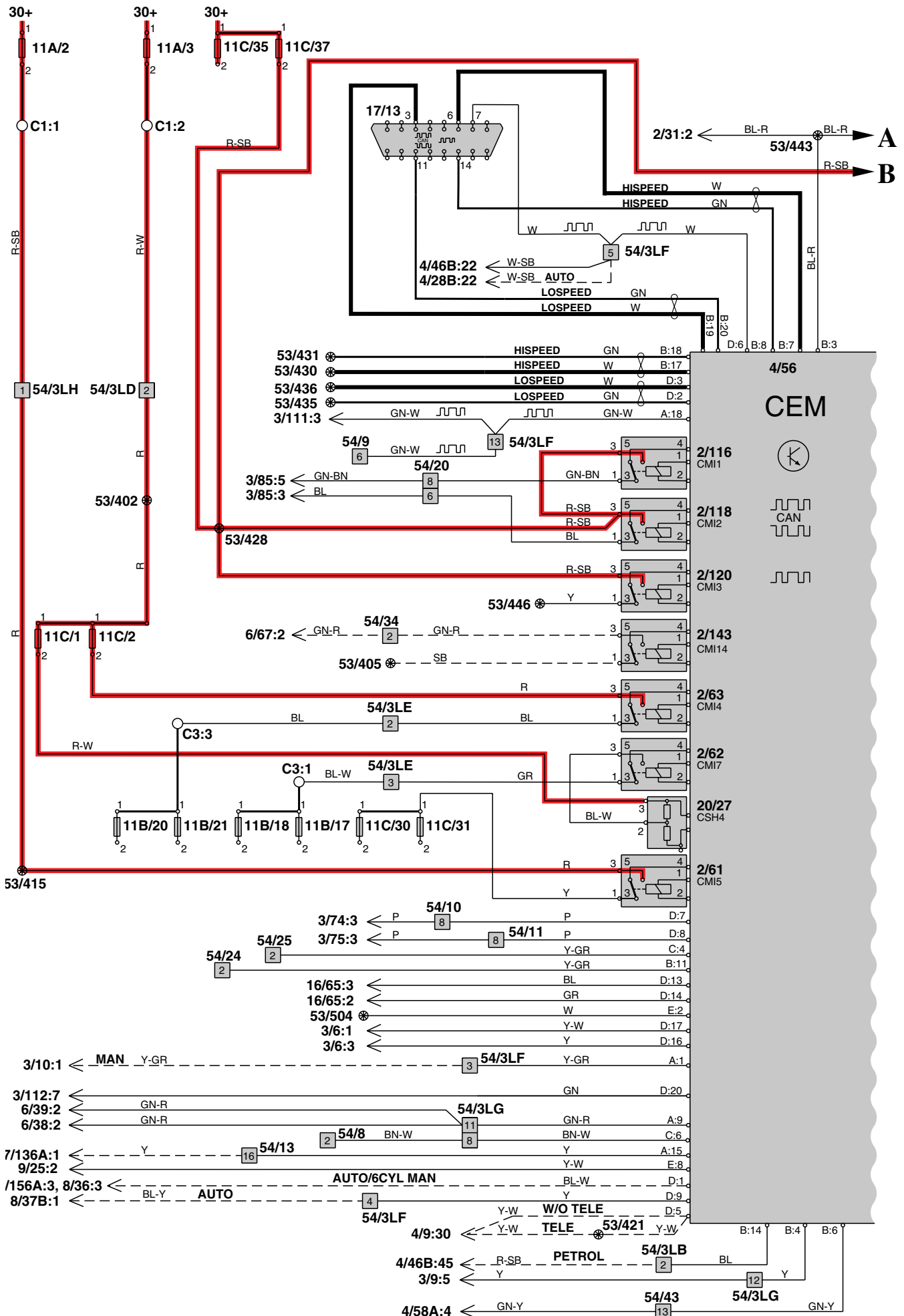
Control modules

Overview XC90

Unit	Designation	
AEM	4/78	Accessory Electronic Module AEM
ATM	16/110	Antenna control module (ATM)
BCM	4/16	Brake Control Module (BCM)
CCM	3/112	Climate Control Module (CCM)
CEM	4/56	Central Electronic Module CEM
CPM	4/7	Combustion Preheater Module (CPM)
DEM	4/82	Differential Electronic Module DEM
DIM	5/1	Driver Information Module (DIM)
ECM	4/46	Engine Control Module (ECM)
GSM	3/156	Gear Selector Module (GSM)
ICM	16/1	Infotainment Control Module (ICM)
ISM	7/100	Vehicle inclination sensor ISM
LSM	3/111	Light Switch Module LSM
MMM	16/108	Multimedia module (MMM)
MP1	16/107	MD control module MP1
MP2	16/106	CD control module MP2
PDM/ DDM	3/127	Passenger/Driver Door Module (PDM/DDM)
DDM/ PDM	3/126	Driver/Passenger Door Module (DDM/PDM)
PAM	4/86	Parking Assistance Module (PAM)
PHM	16/60	Phone Module (PHM)
PSM	4/52	Power Seat Module (PSM)
REM	4/58	Rear Electronic Module REM
SAS	4/68	Steering Angle Sensor module SAS
SCM	16/35	Siren Control Module (SCM)
SRM	4/33	Sunroof control module SRM
SRS	4/9	Control module, Supplemental Restraint System (SRS)
SUB	16/79	Bass speaker system SUB
SWM	3/130	Steering Wheel Module (SWM)
TCM	4/28	Transmission Control Module (TCM)
UEM	4/70	Upper Electronic Module UEM
4/31	4/31	Fan control module
4/71	4/71	Cooling fan control module
7/149	7/149	Rain sensor
17/13	17/13	Data link connector

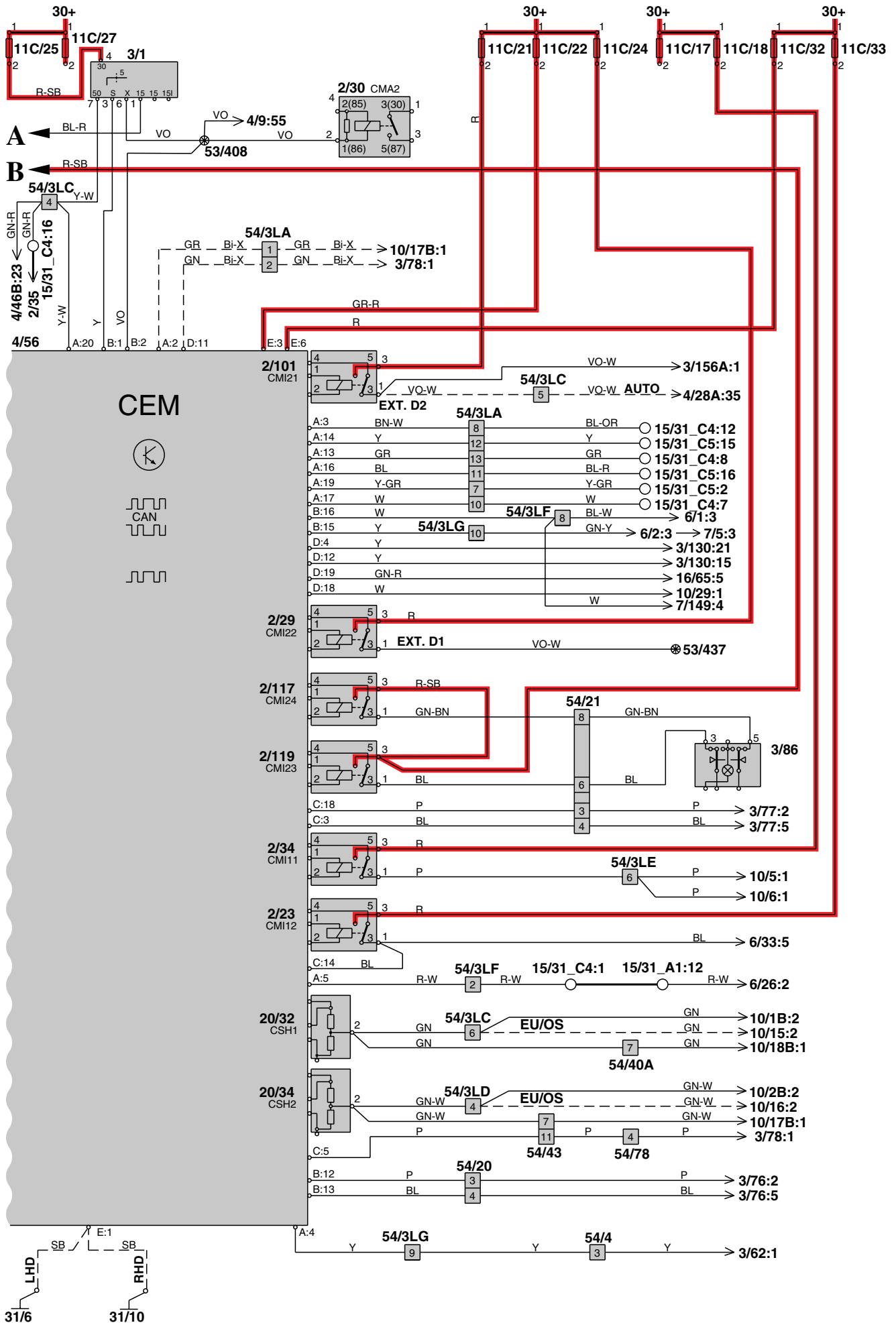
Control modules

Central Electronic Module (CEM) V70/XC70



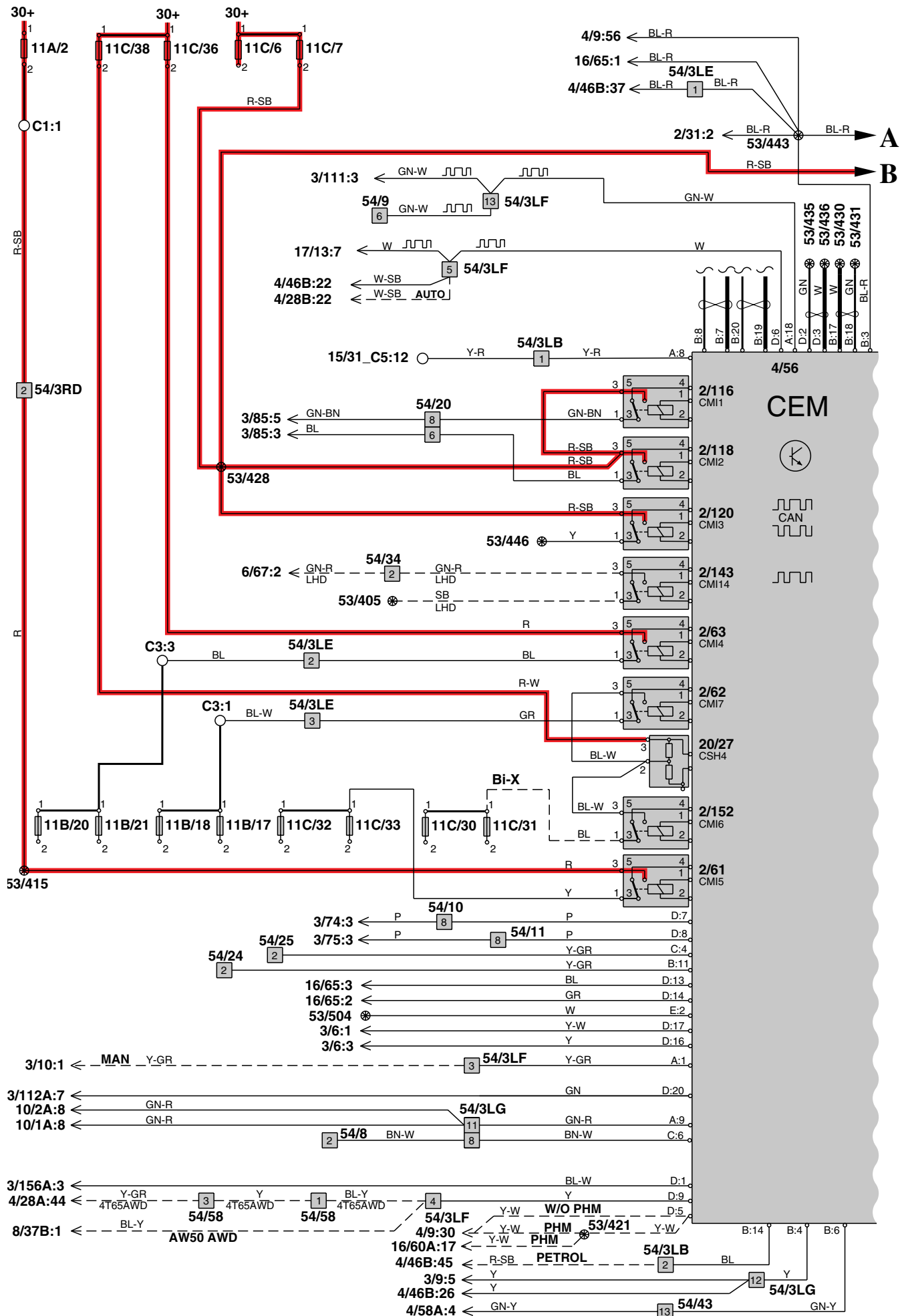
Control modules

Central Electronic Module (CEM) V70/XC70

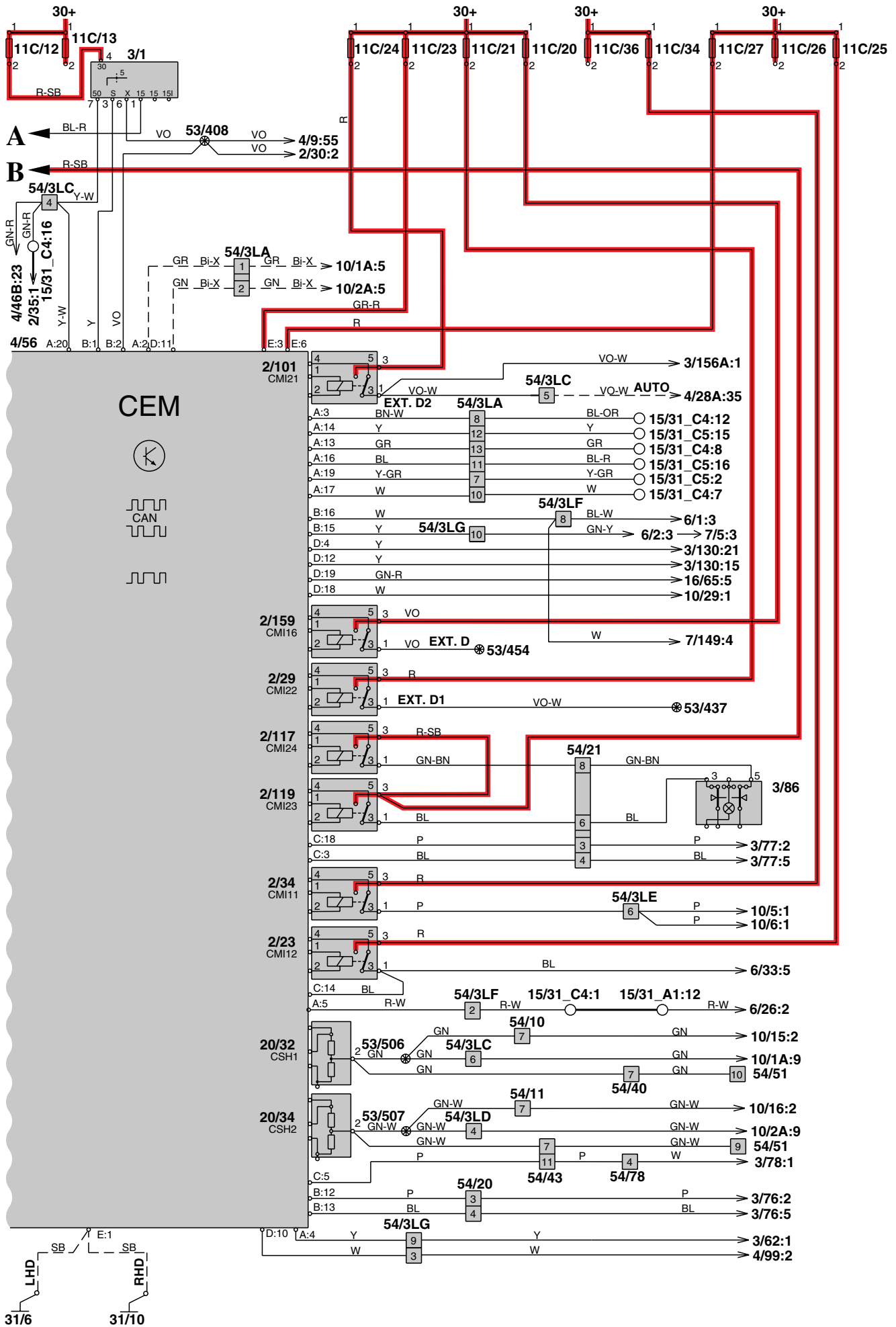


Control modules

Central Electronic Module (CEM) XC90

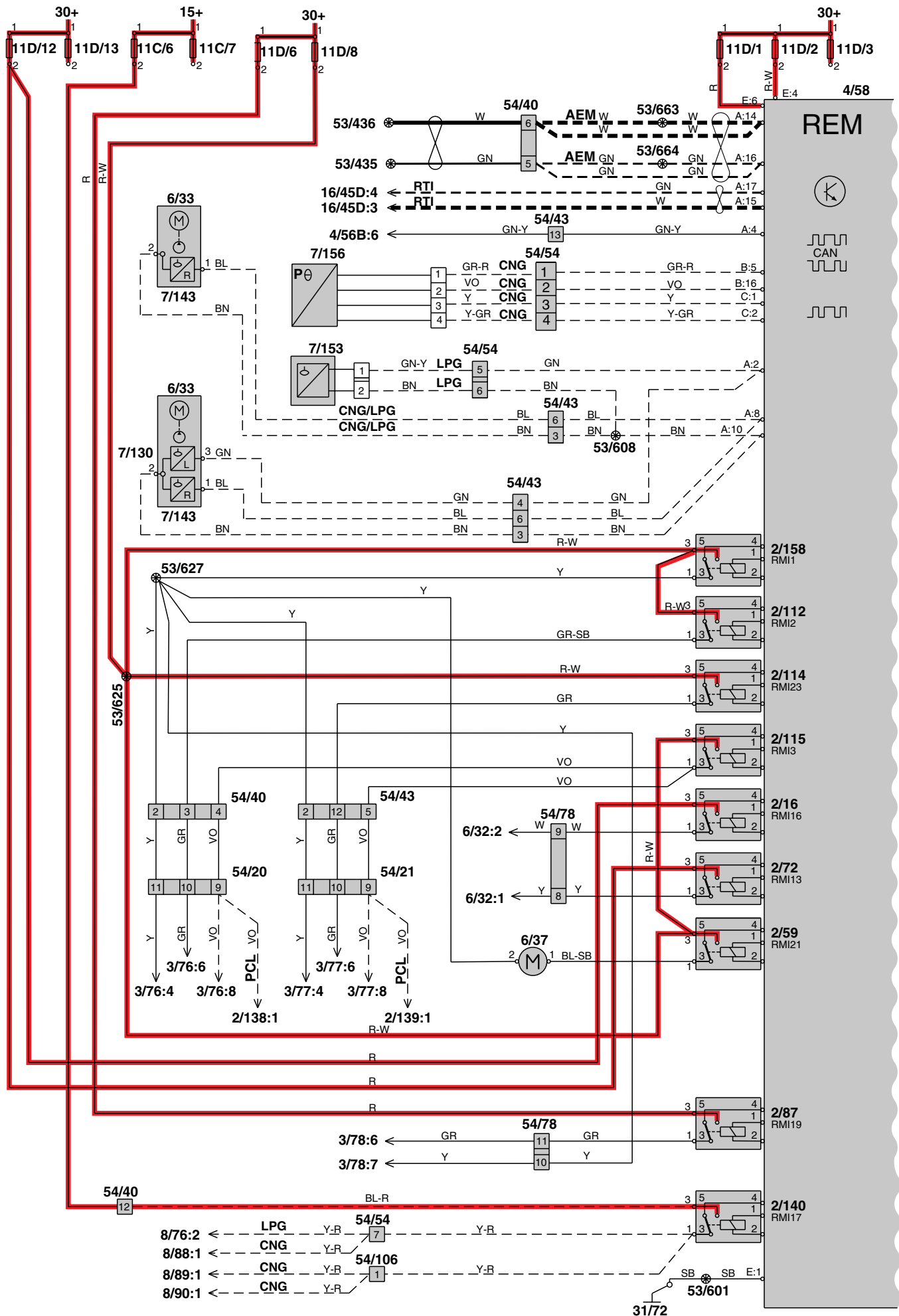


Central Electronic Module (CEM) XC90



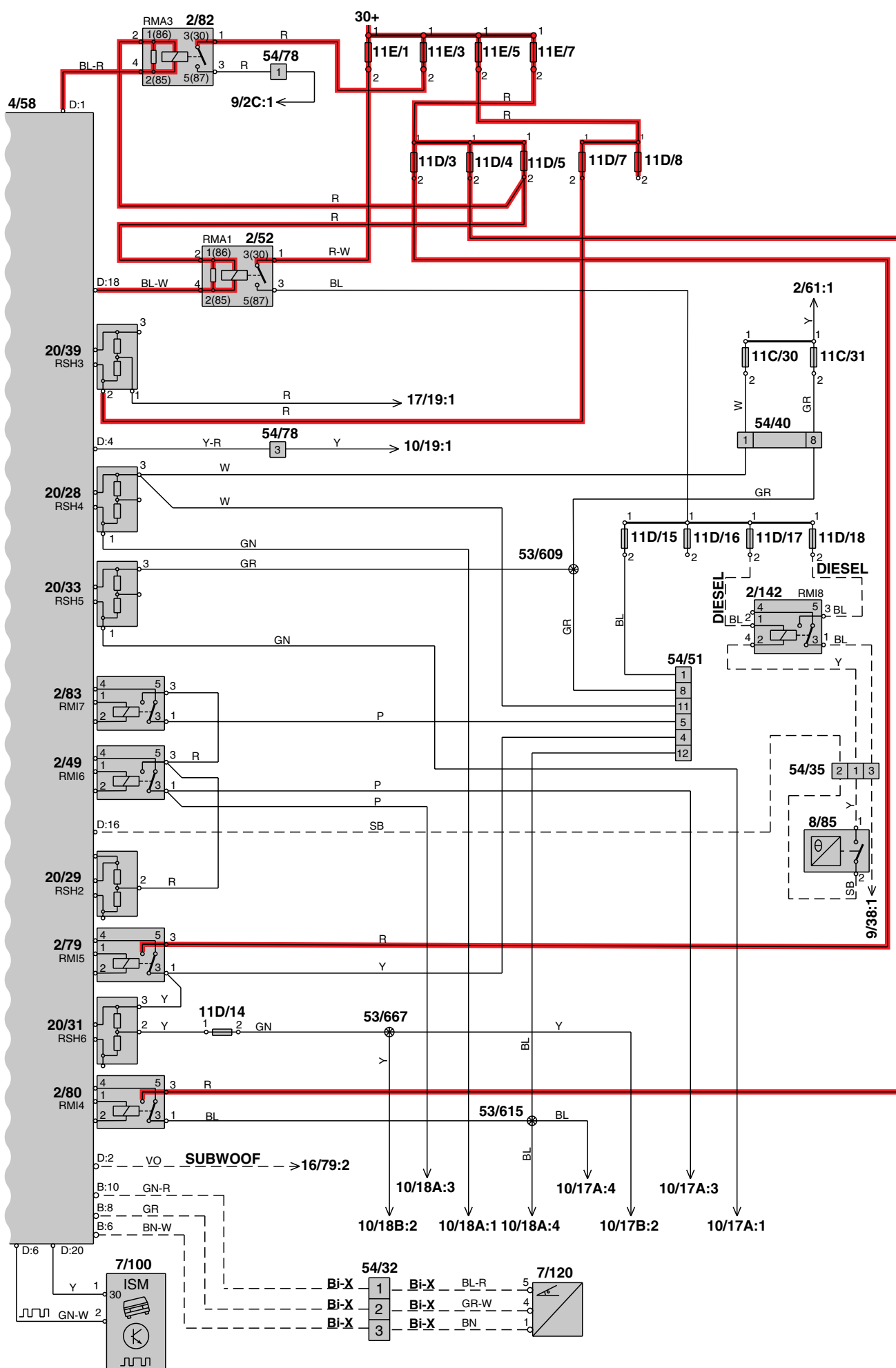
Control modules

Rear Electronic Module (REM) V70/XC70



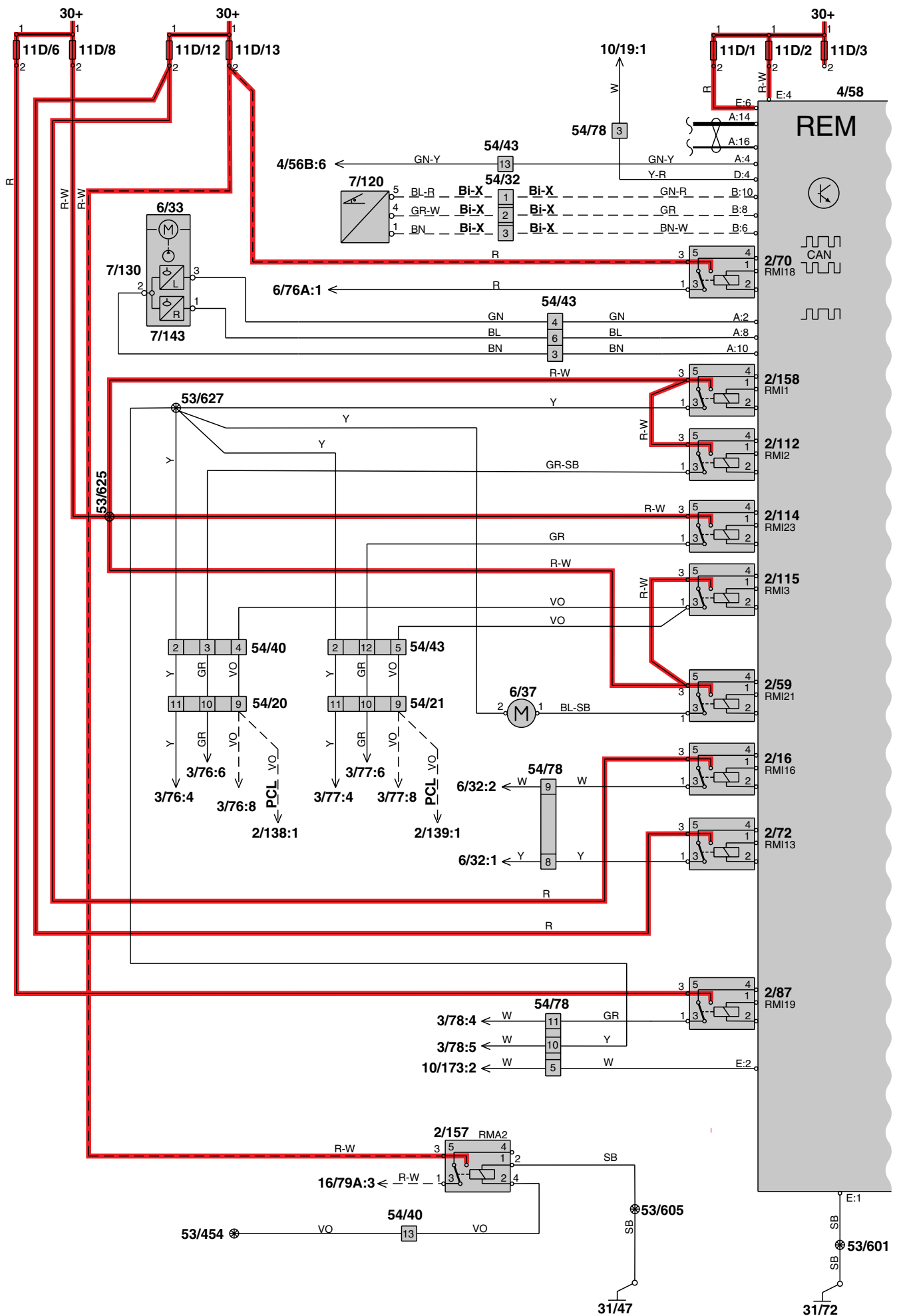
Control modules

Rear Electronic Module (REM) V70/XC70



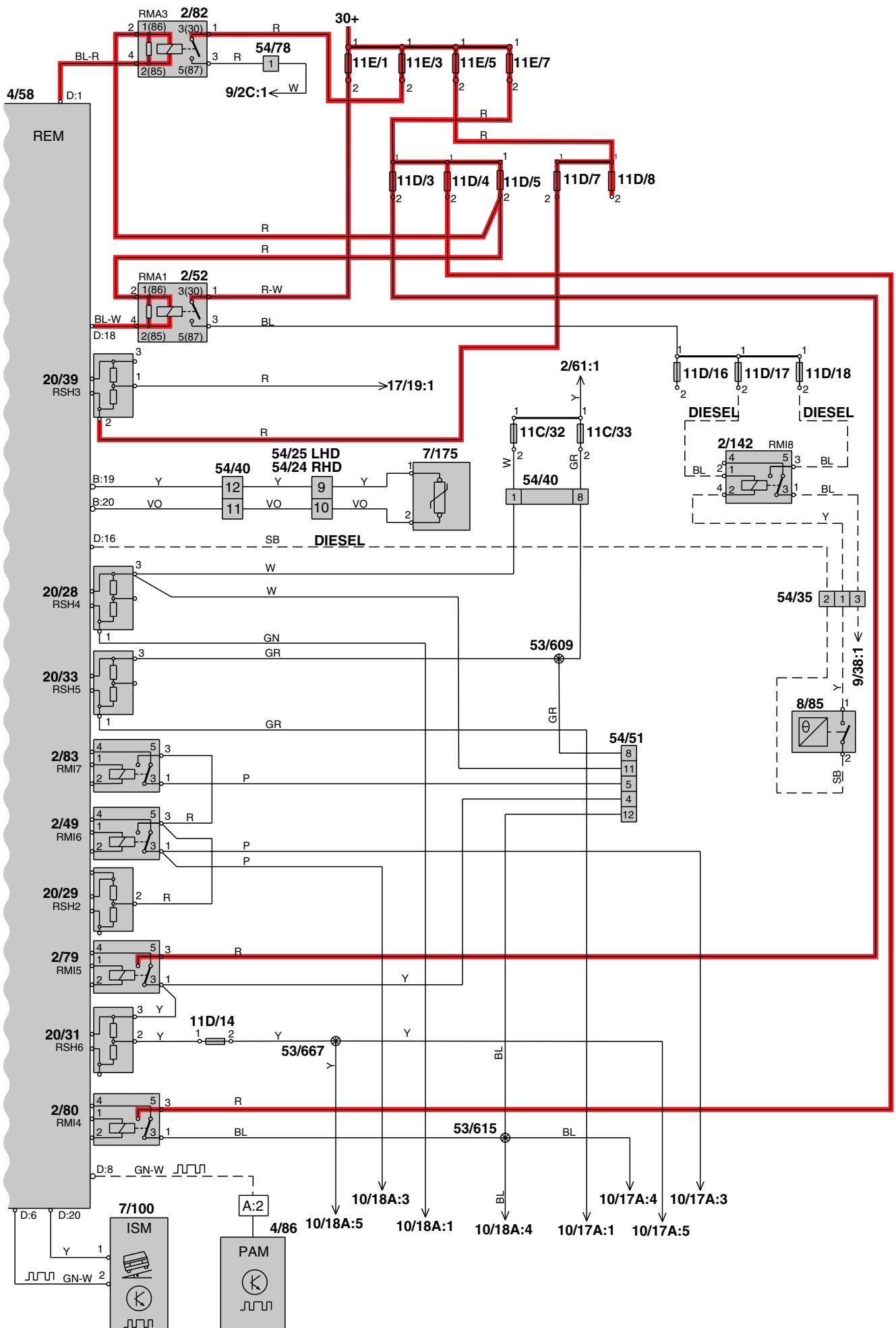
Control modules

Rear Electronic Module (REM) XC90

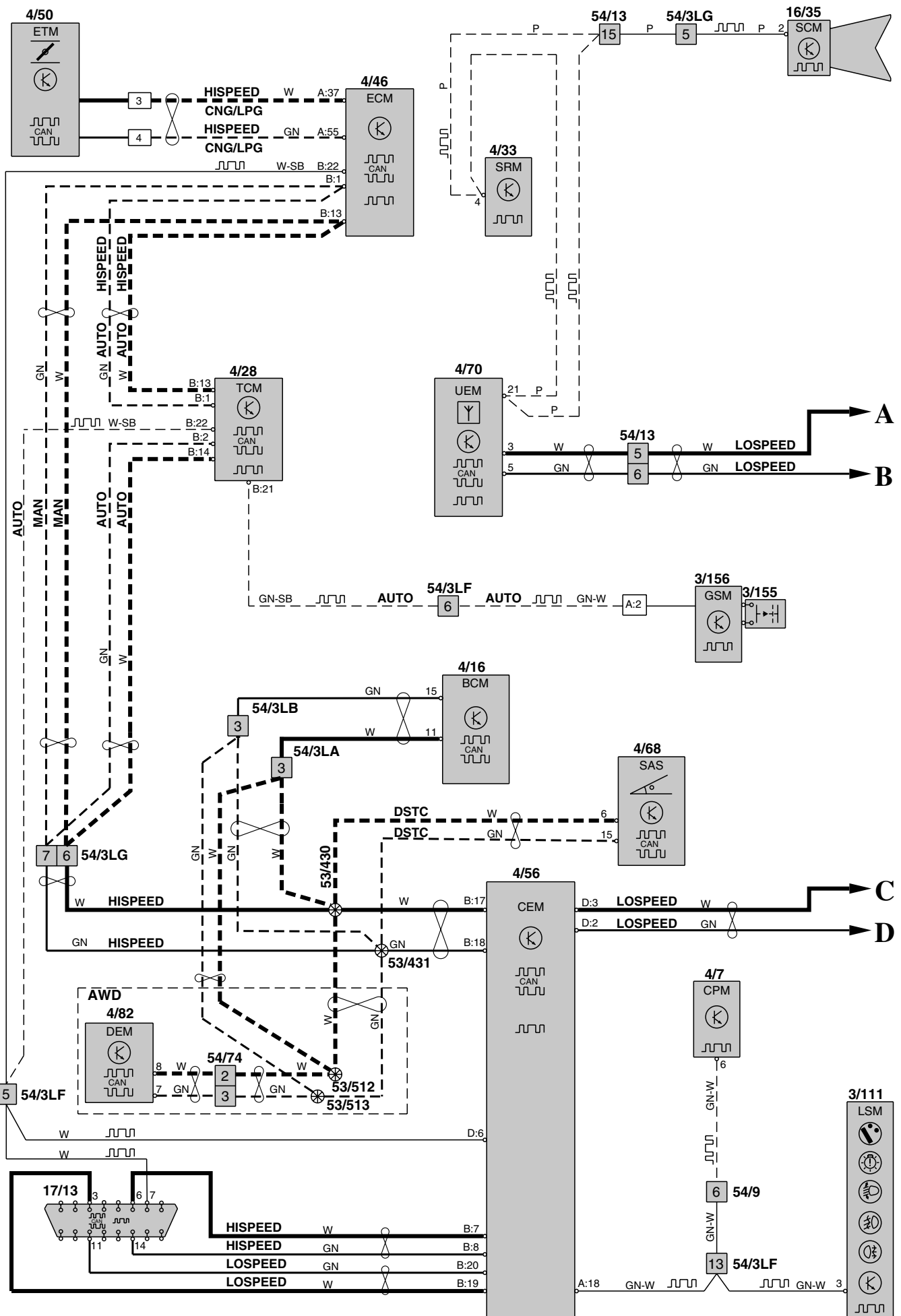


Control modules

Rear Electronic Module (REM) XC90

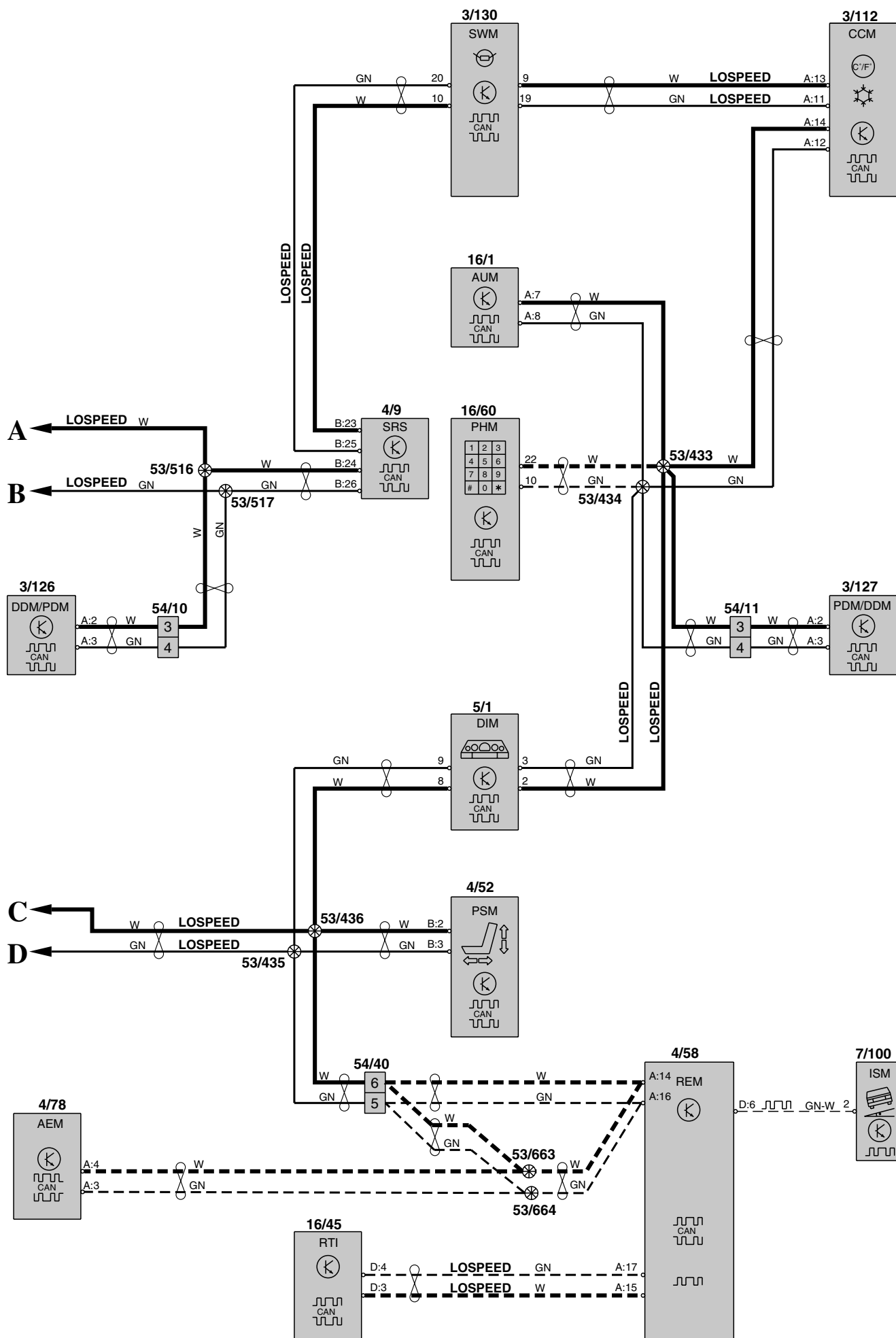


Data communication V70/XC70

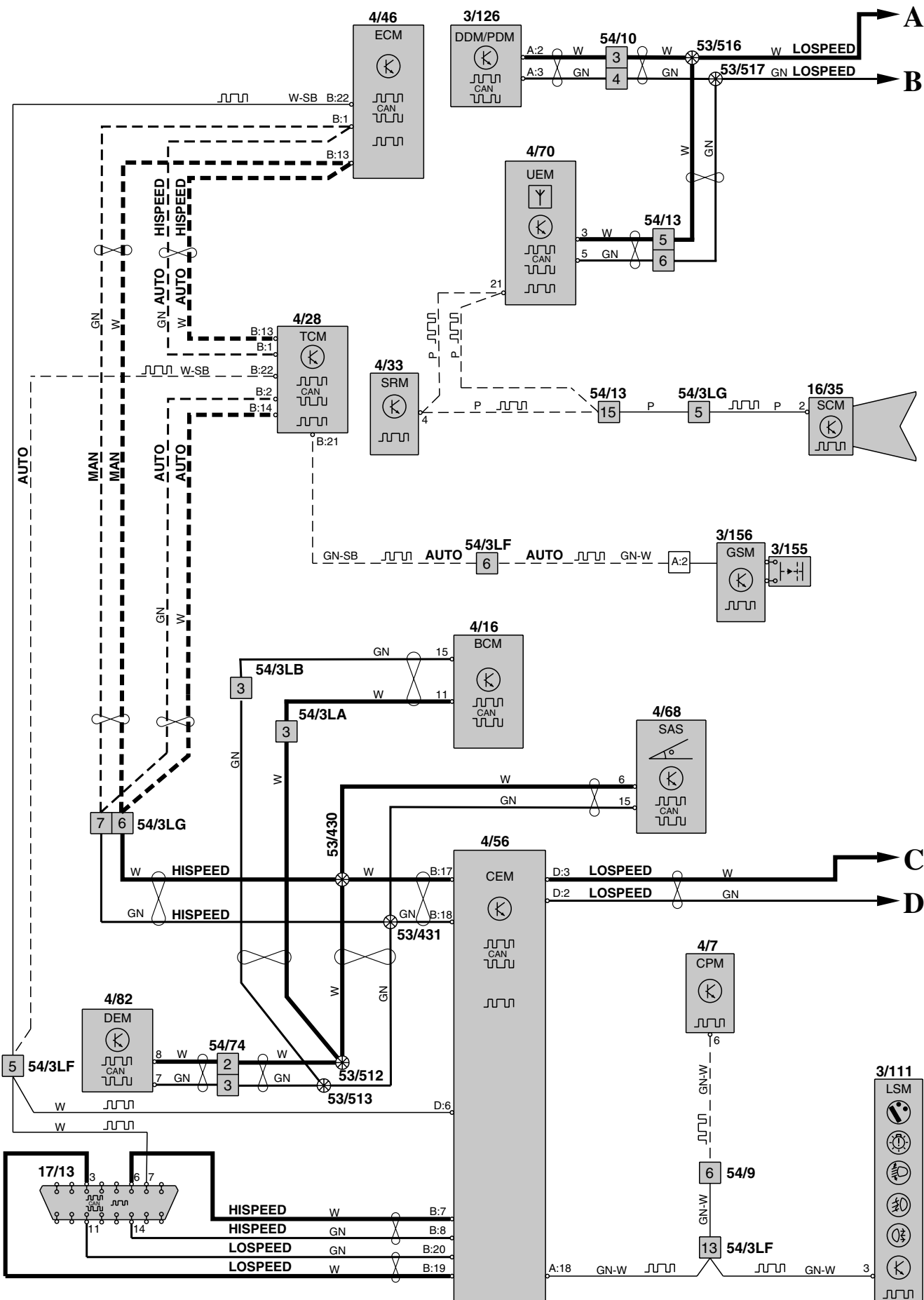


Control modules

Data communication V70/XC70

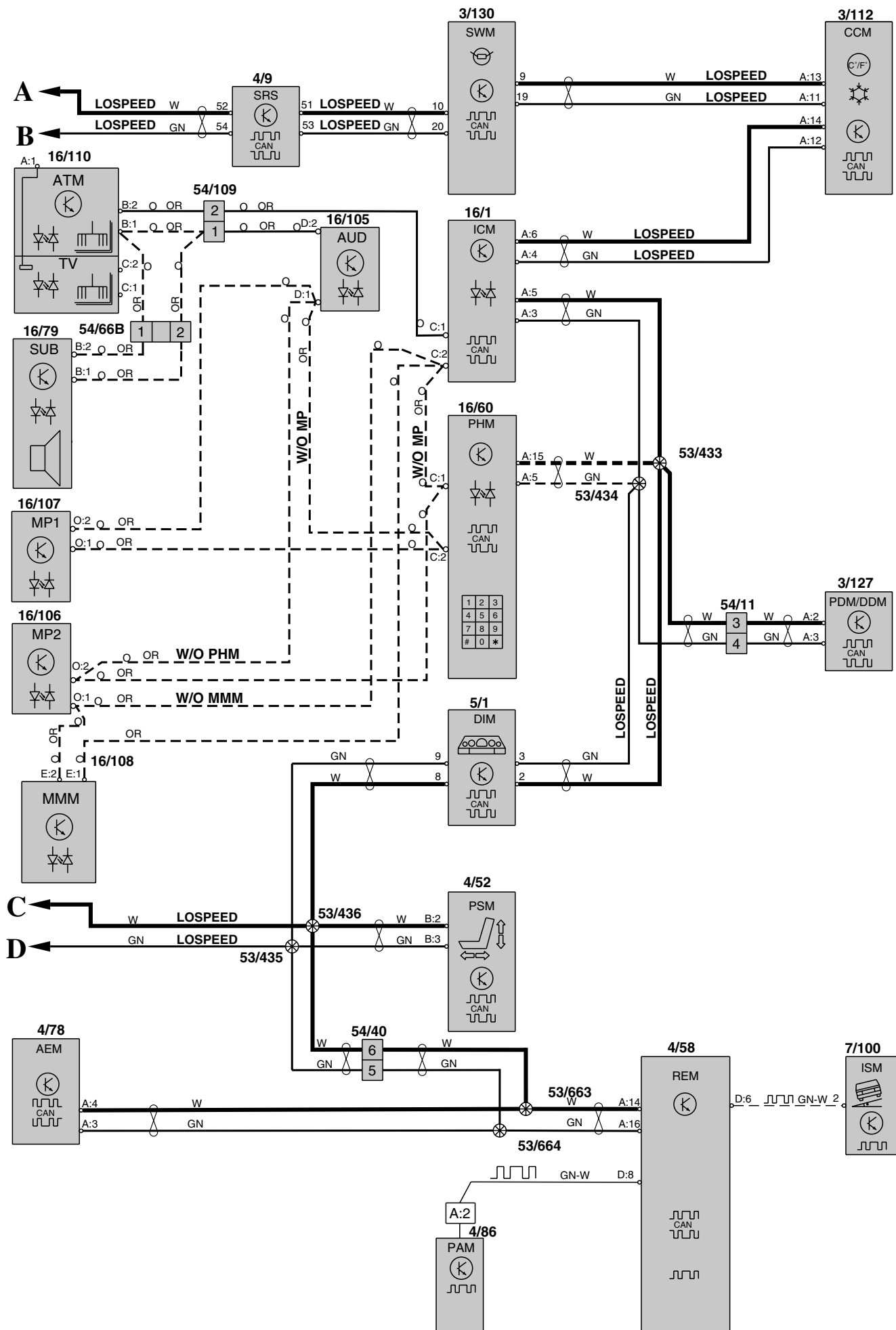


Data communication XC90

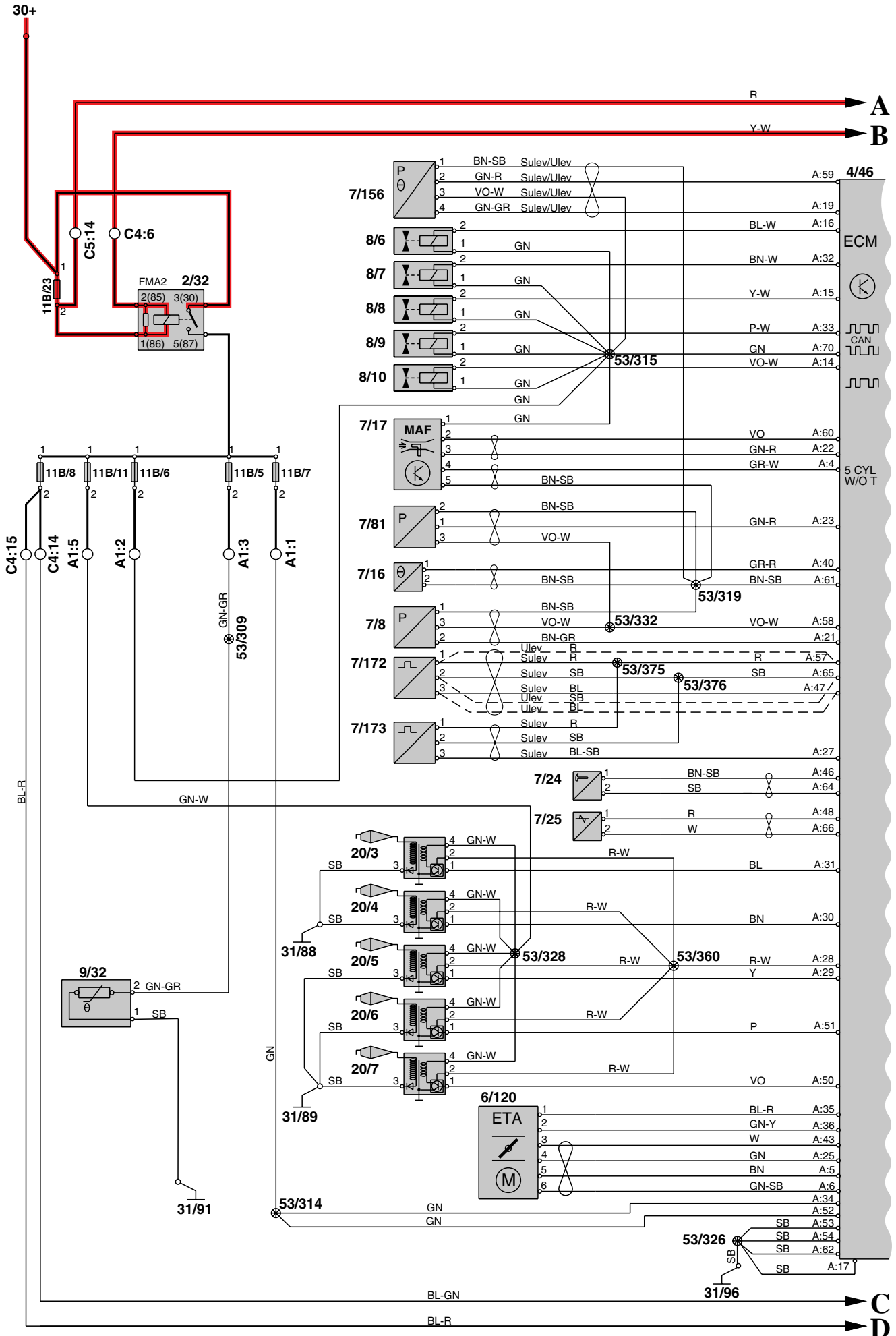


Control modules

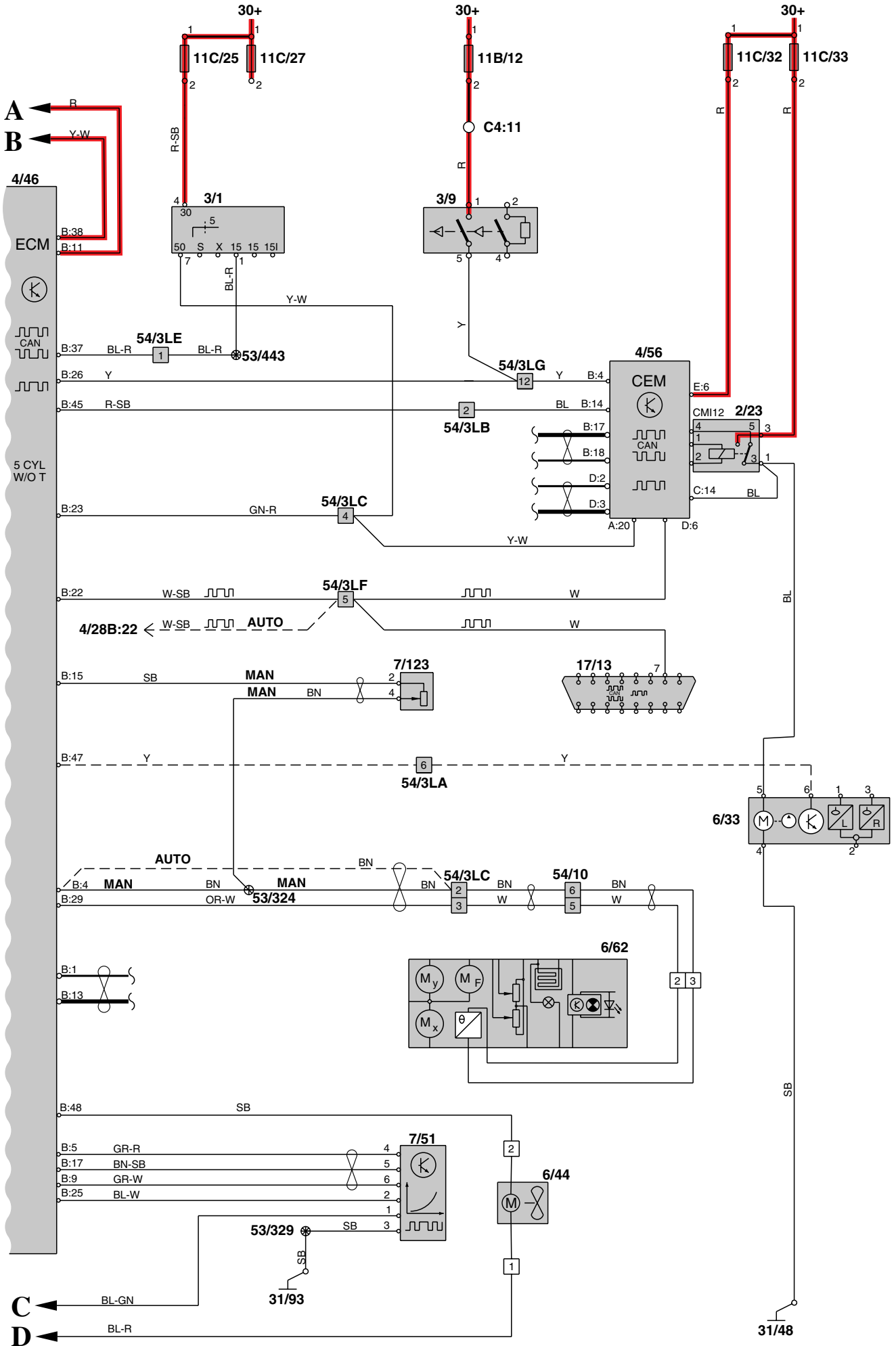
Data communication XC90



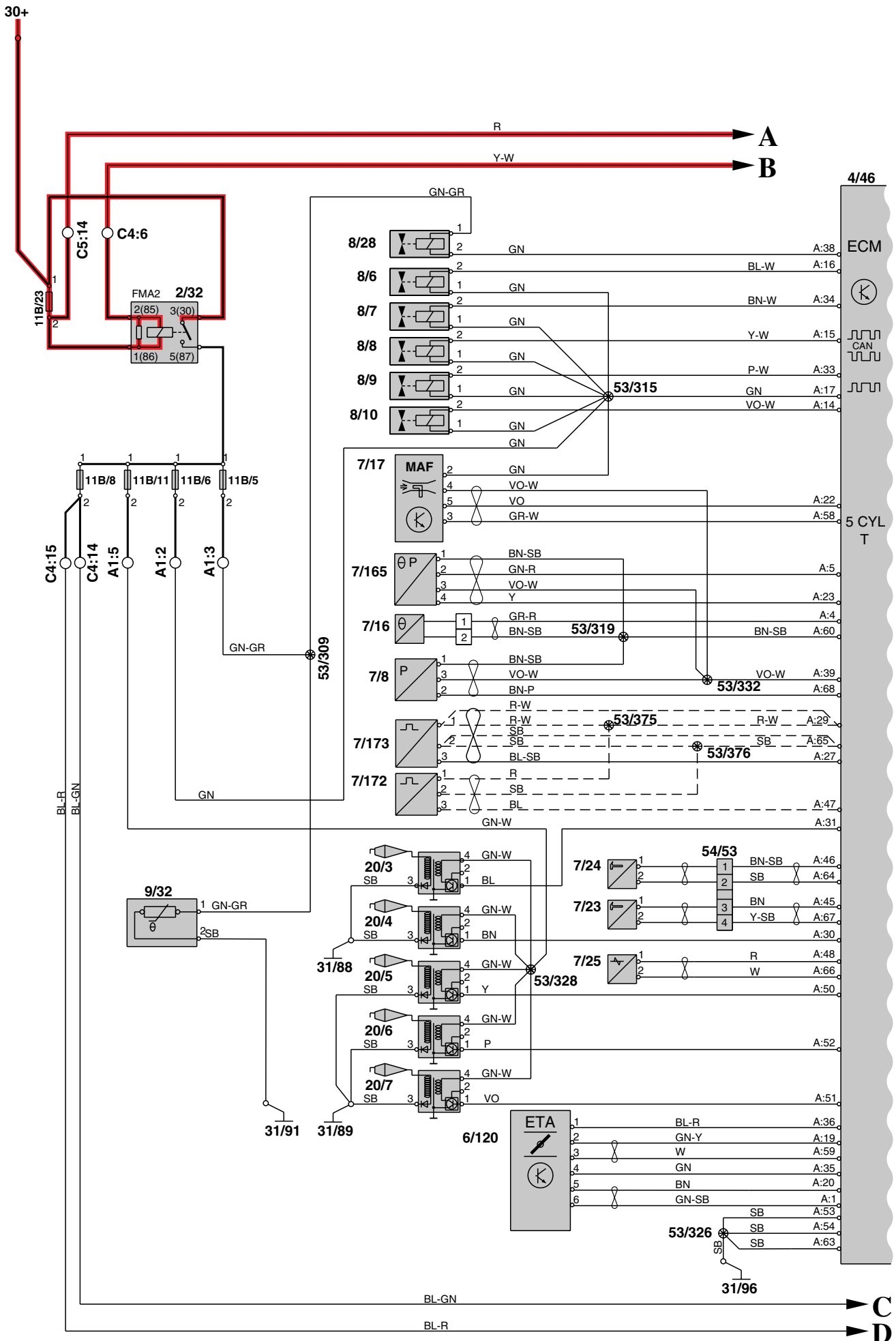
Group 23 Engine management system, 5-cyl



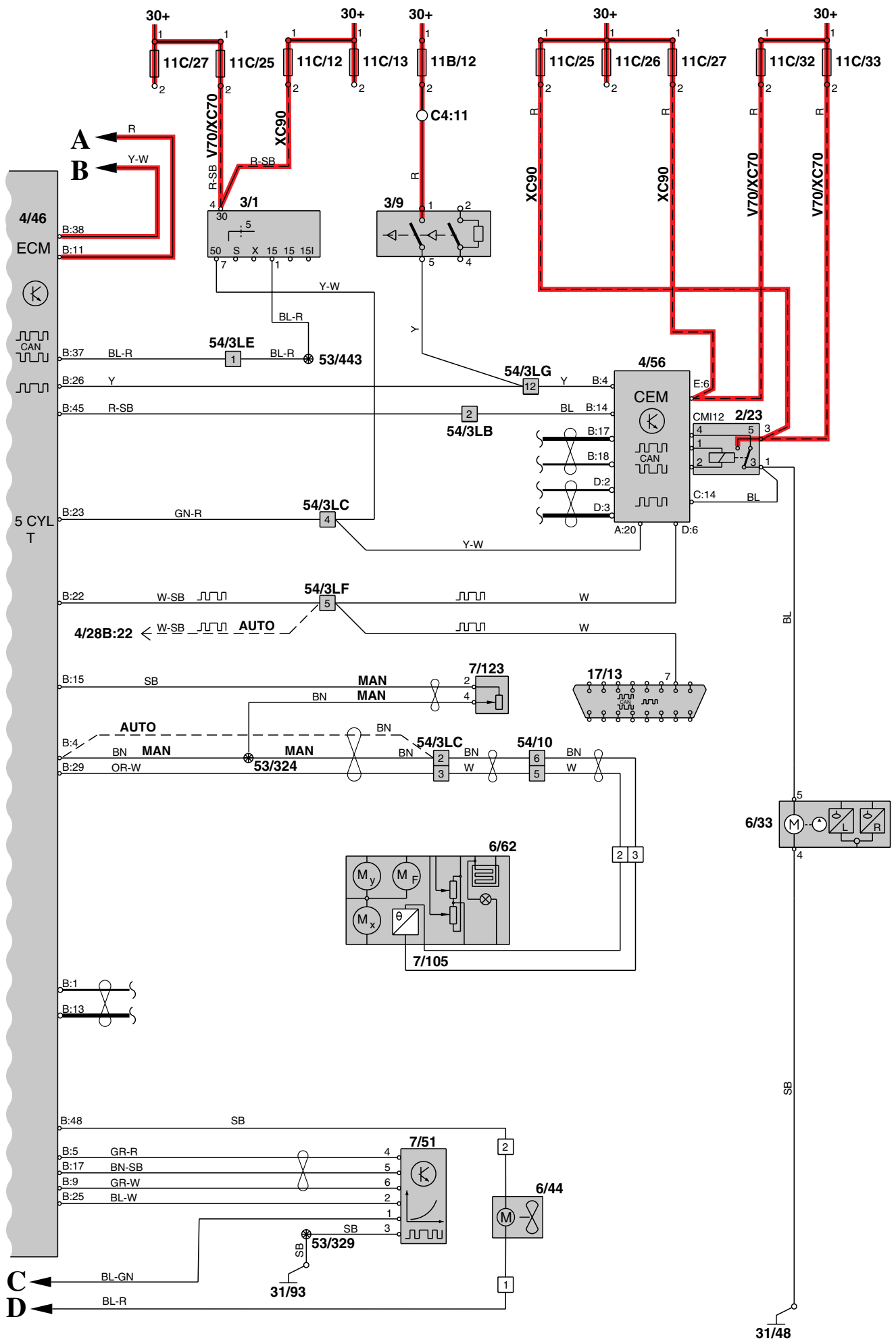
Engine management system, 5-cyl



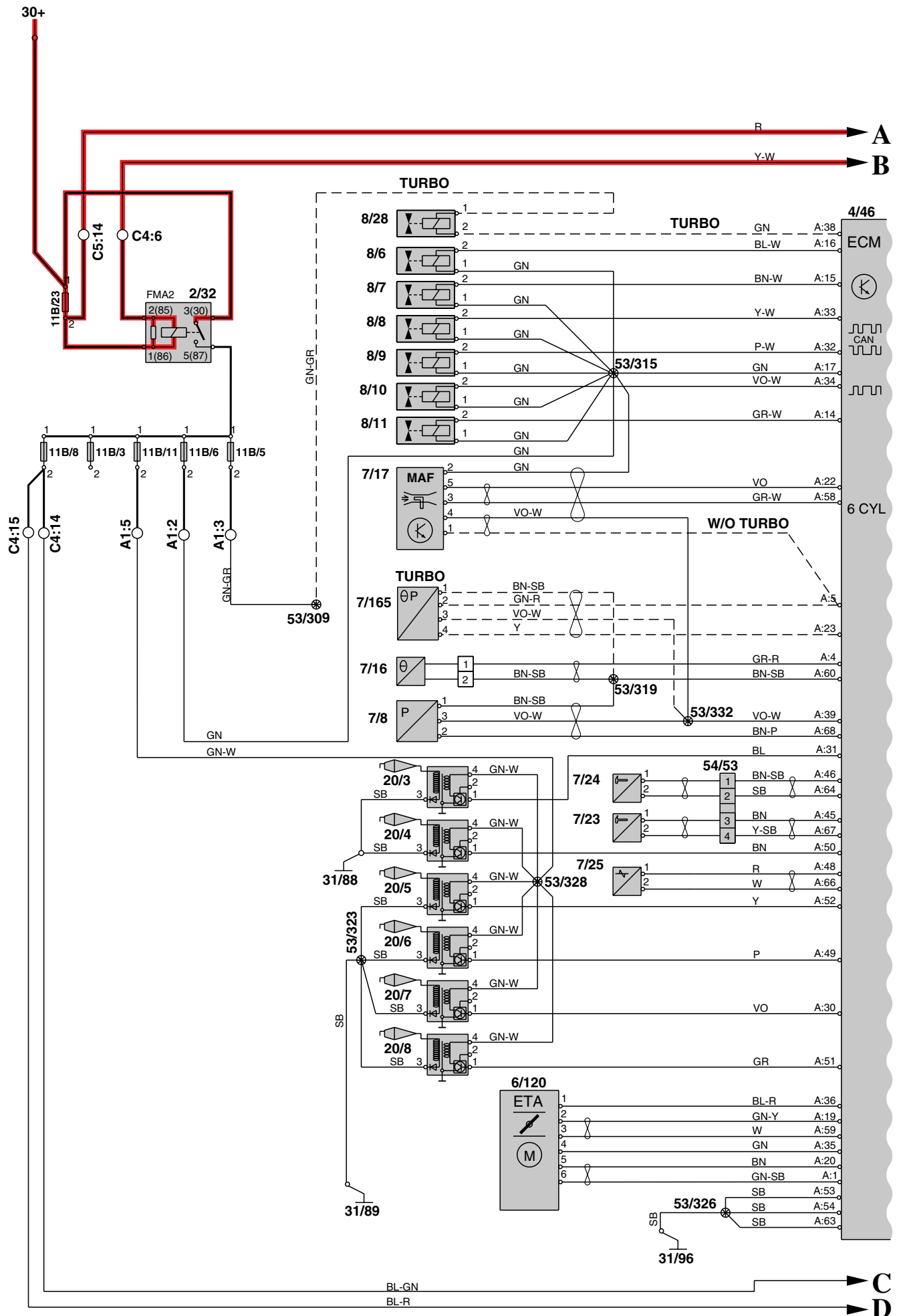
Engine management system, 5-cyl Turbo



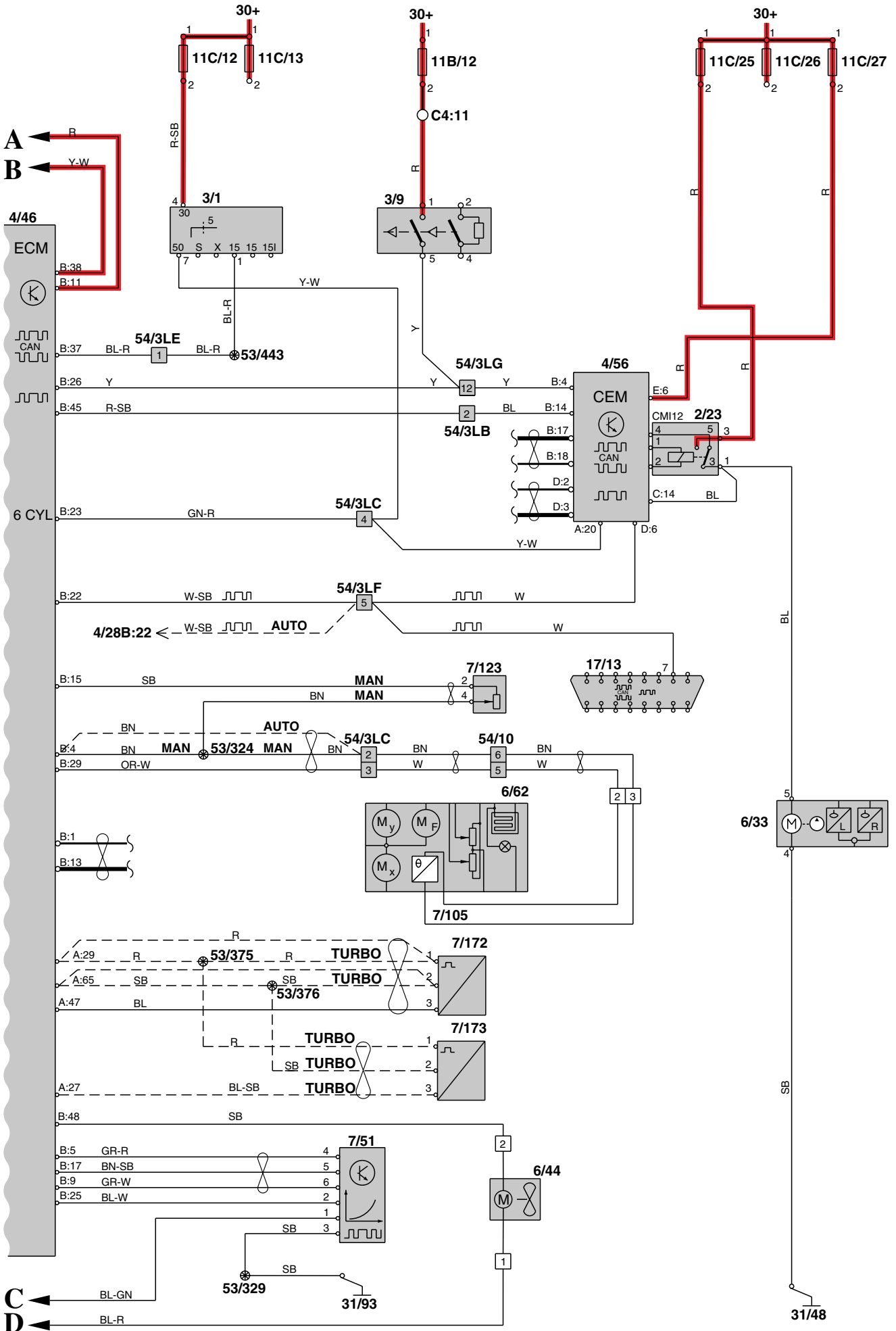
Engine management system, 5-cyl Turbo



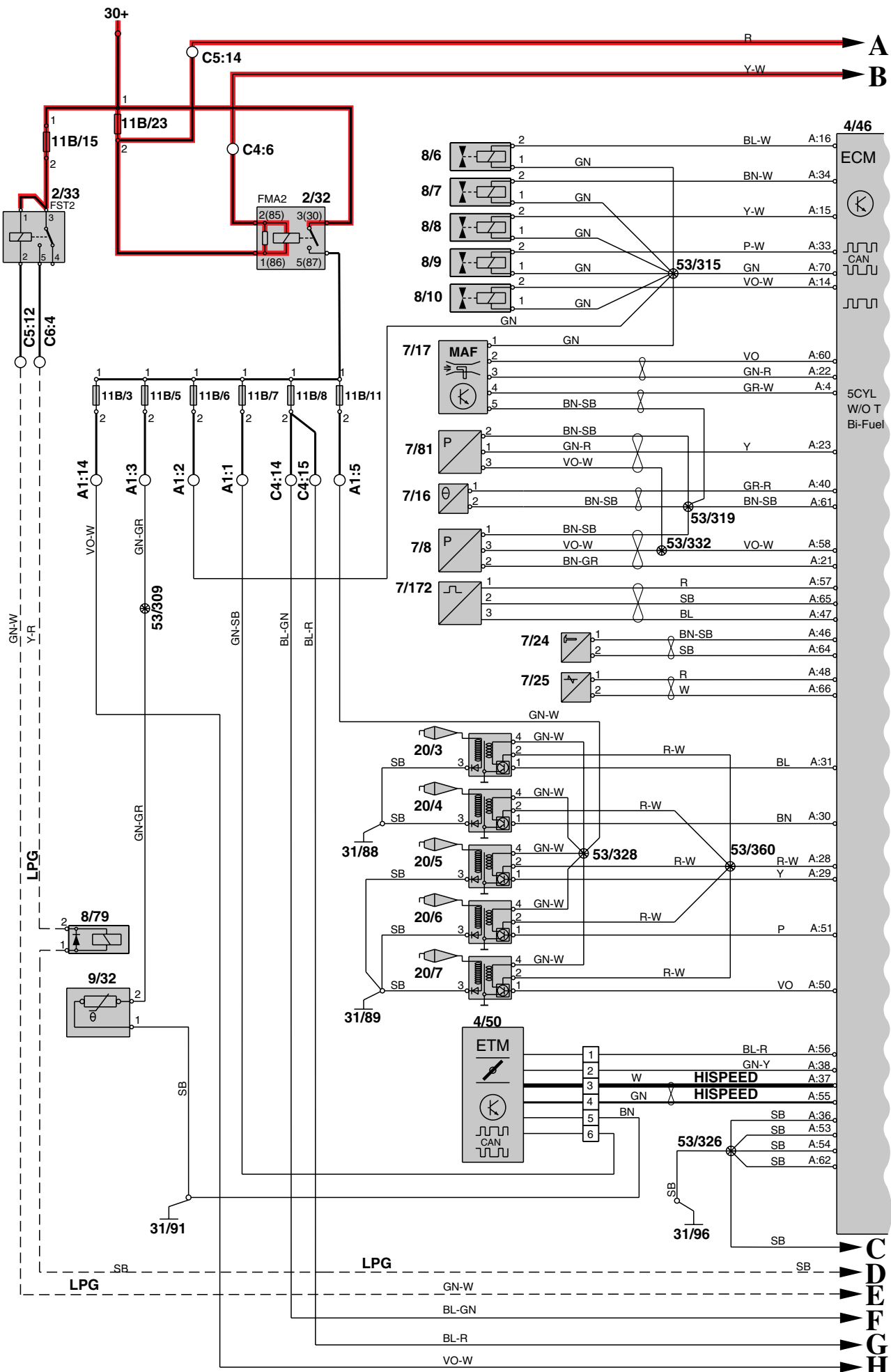
Engine management system, 6-cyl



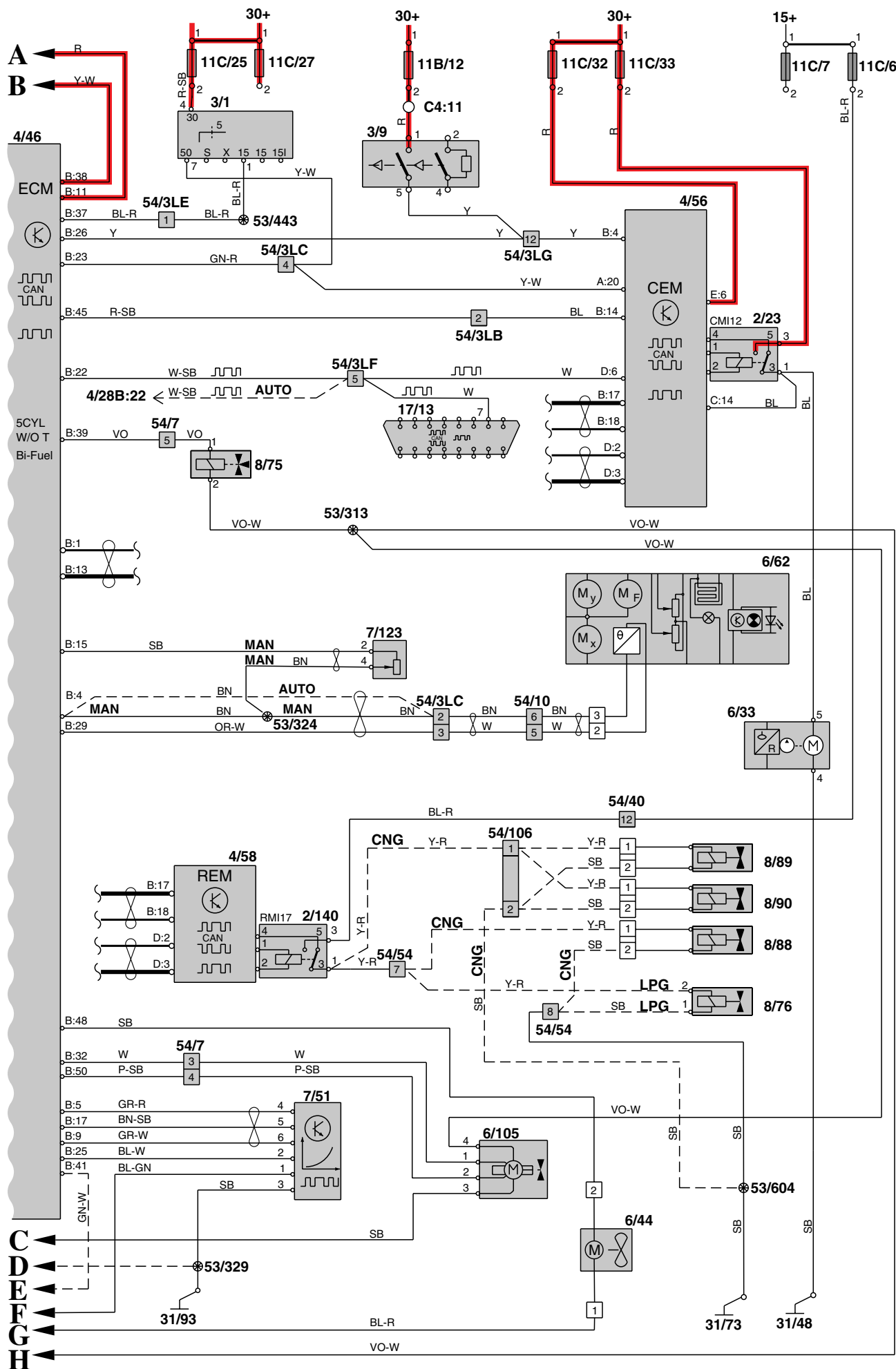
Engine management system, 6-cyl



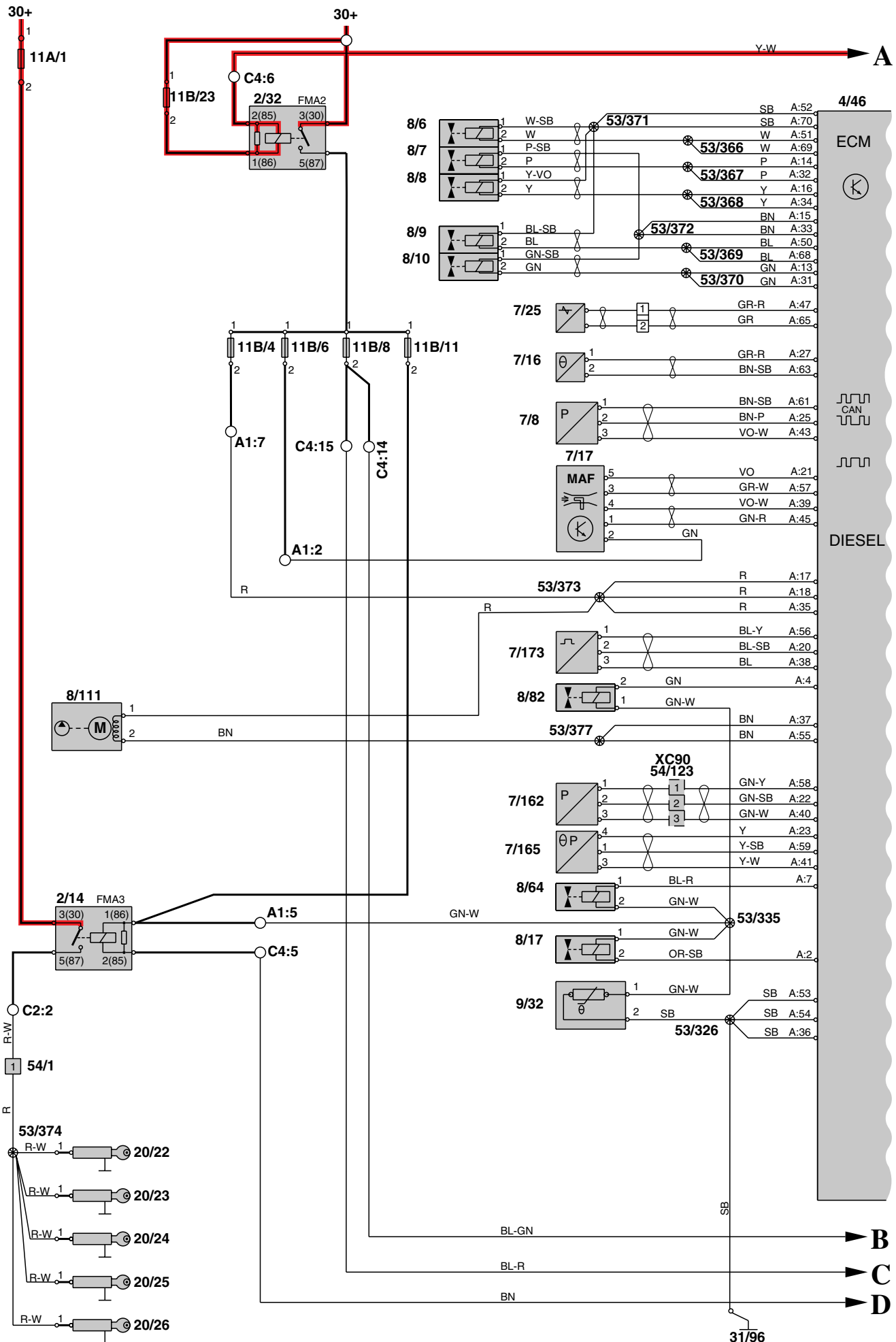
Engine management system, Bifuel



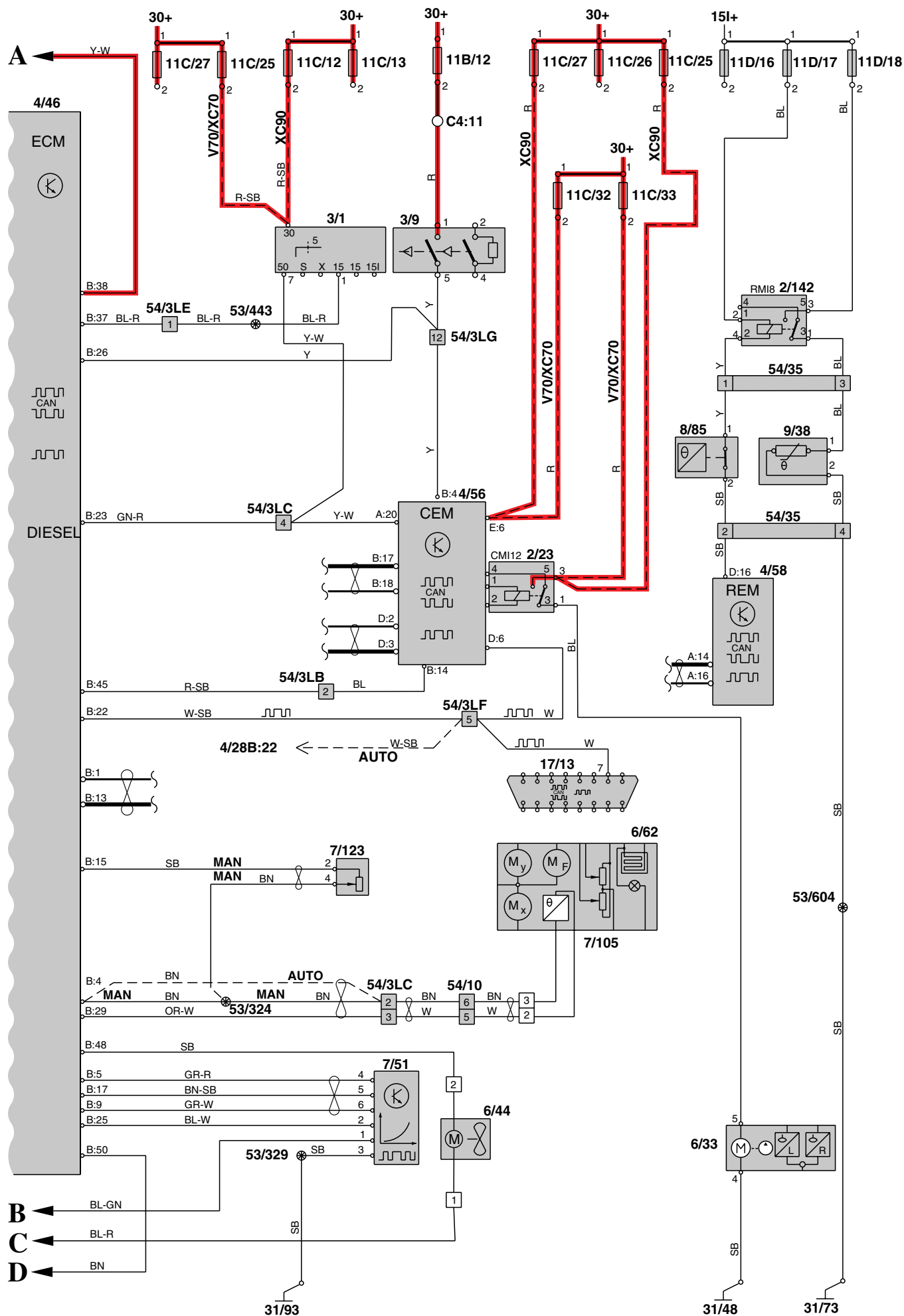
Engine management system, Bifuel



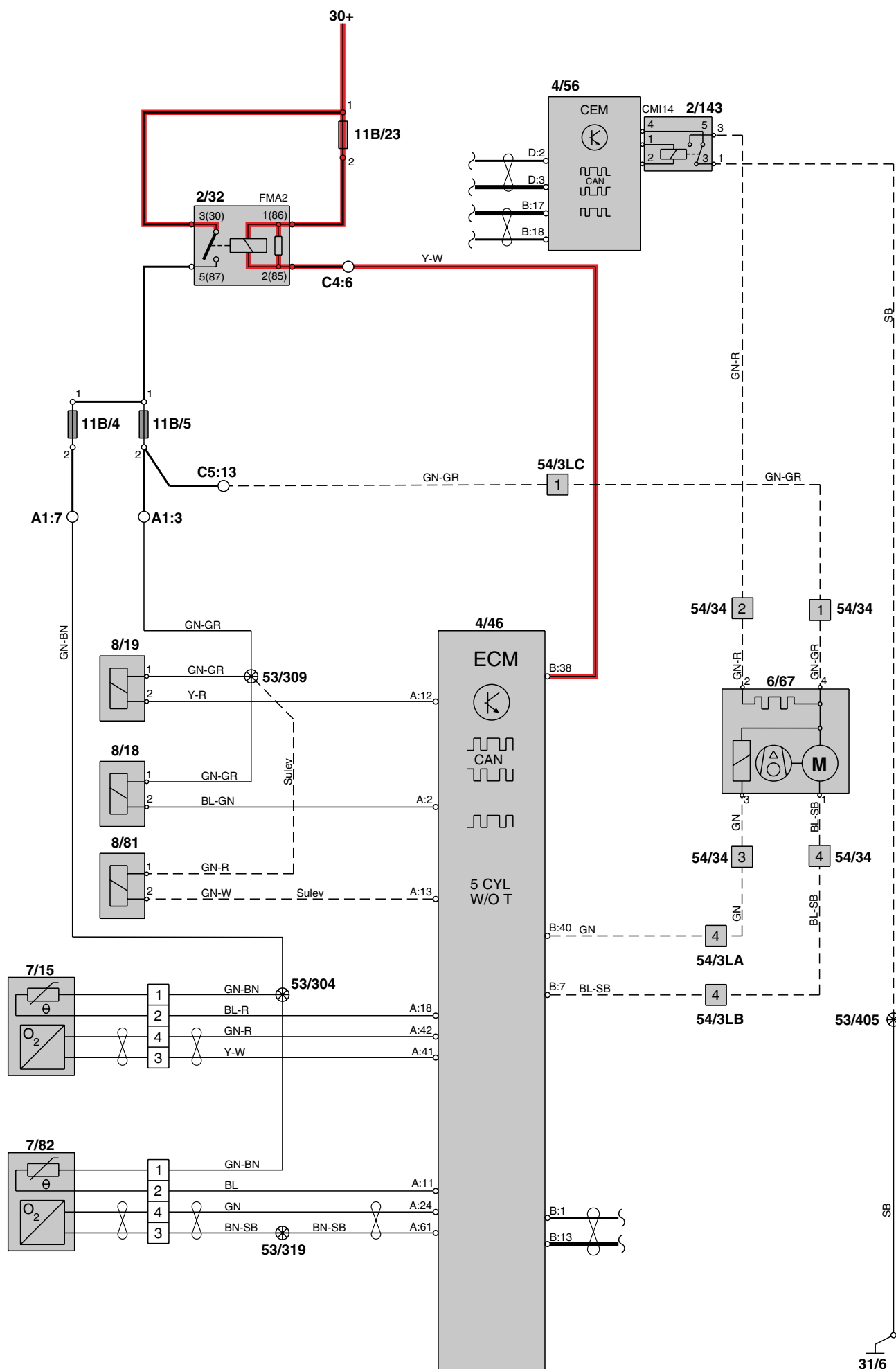
Engine management system, Diesel



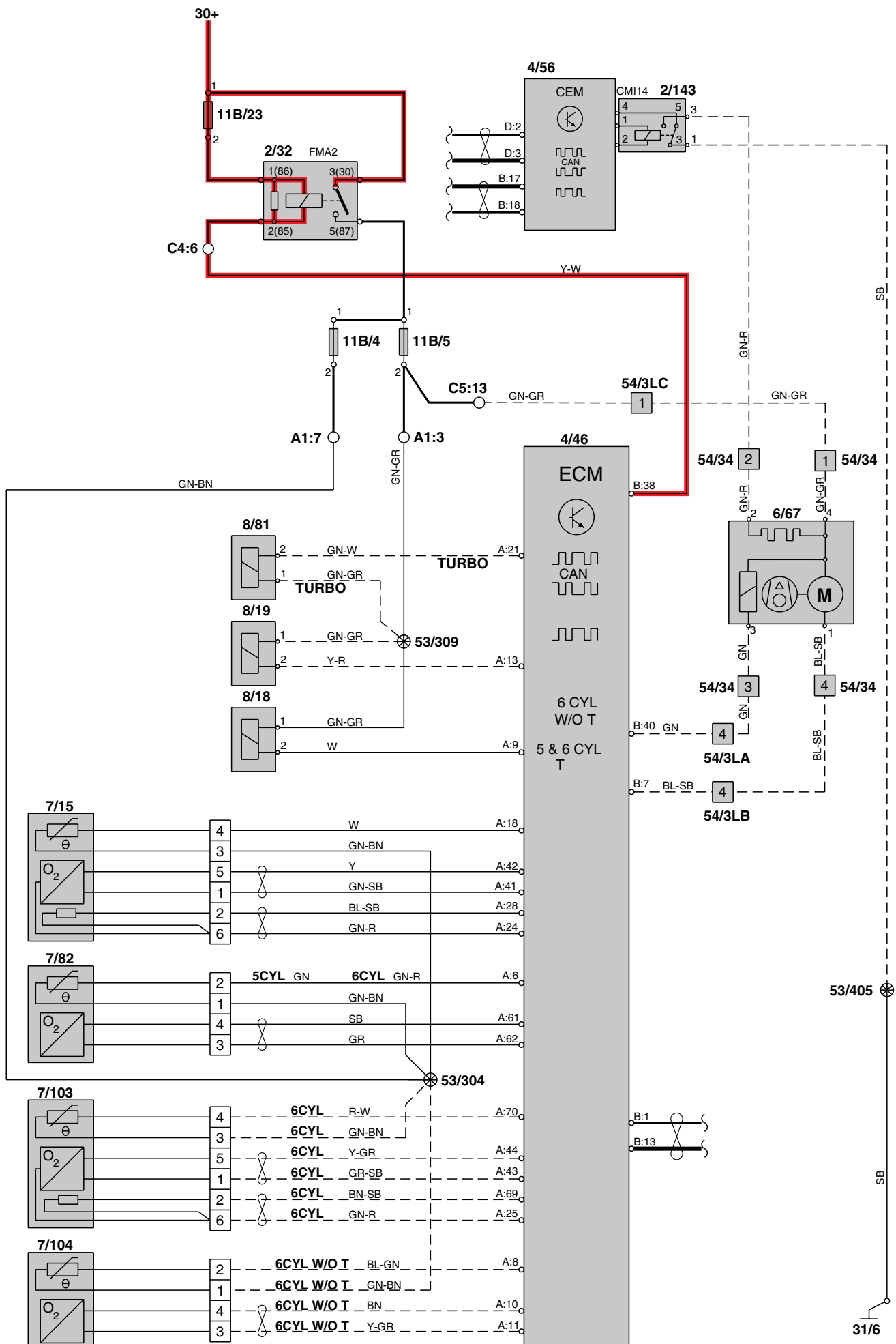
Engine management system, Diesel



Emission control
Gasoline 5-cyl

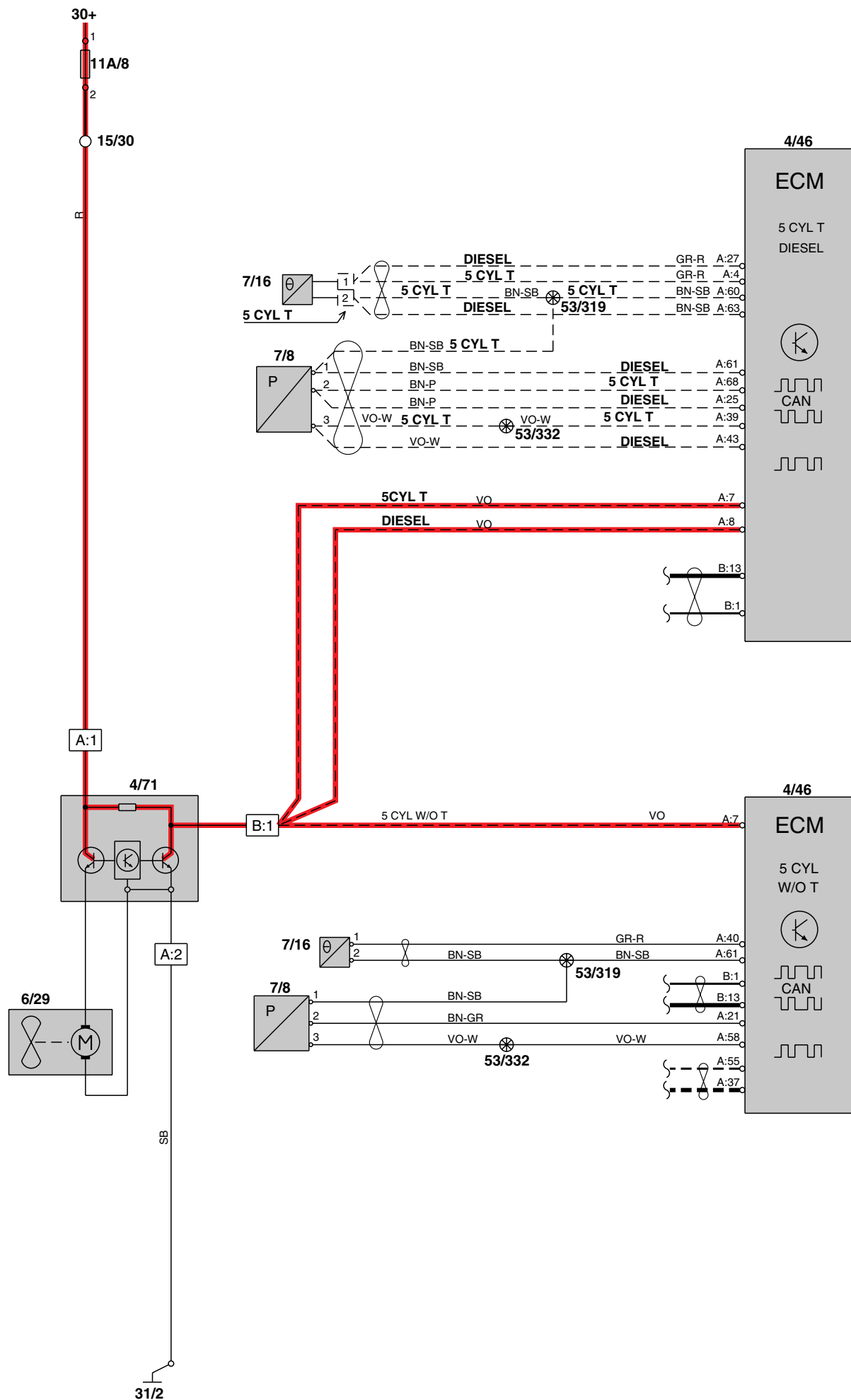


Gasoline 5-cyl with turbo and 6-cyl

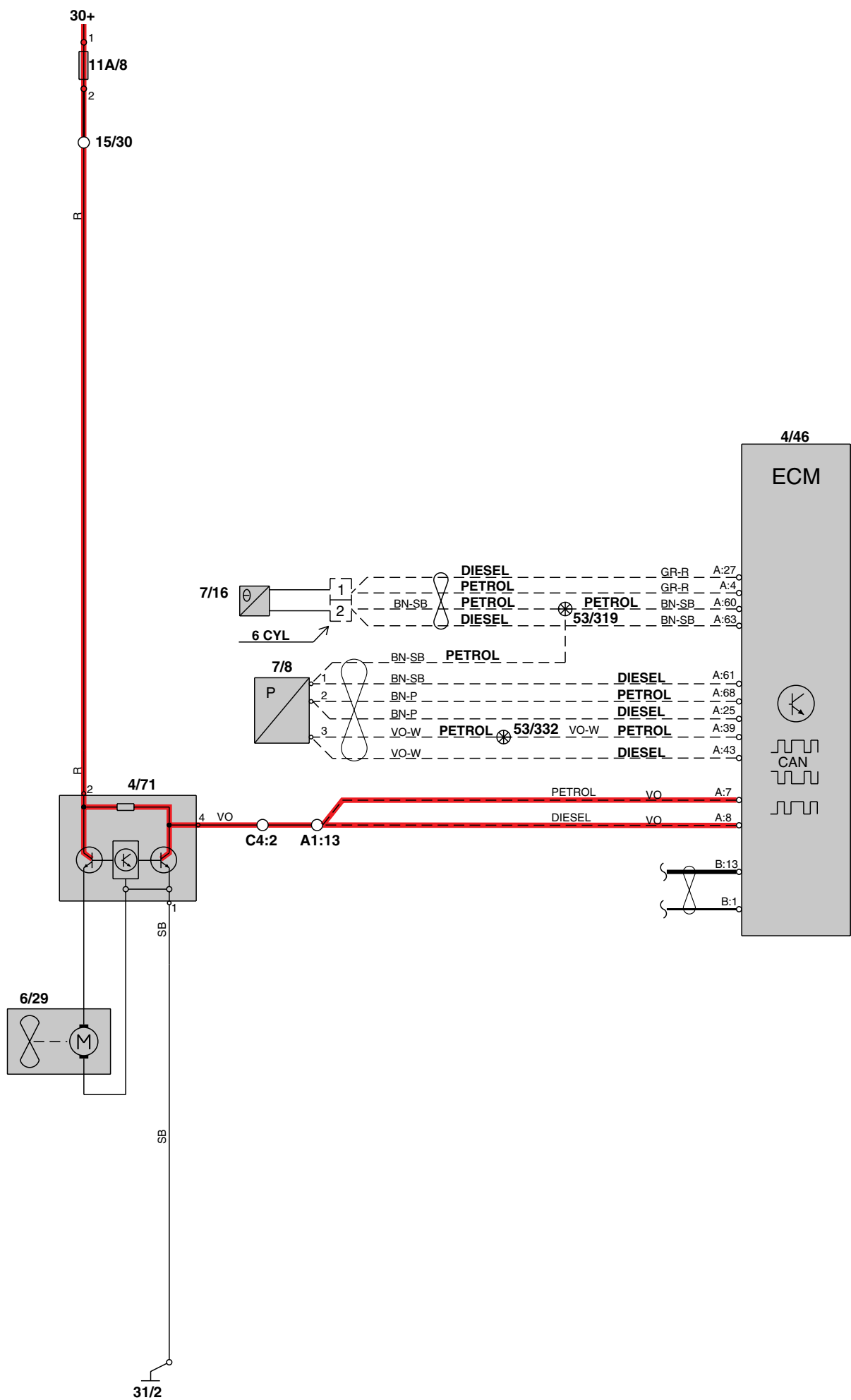


Group 26

Electric cooling fan V70/XC70

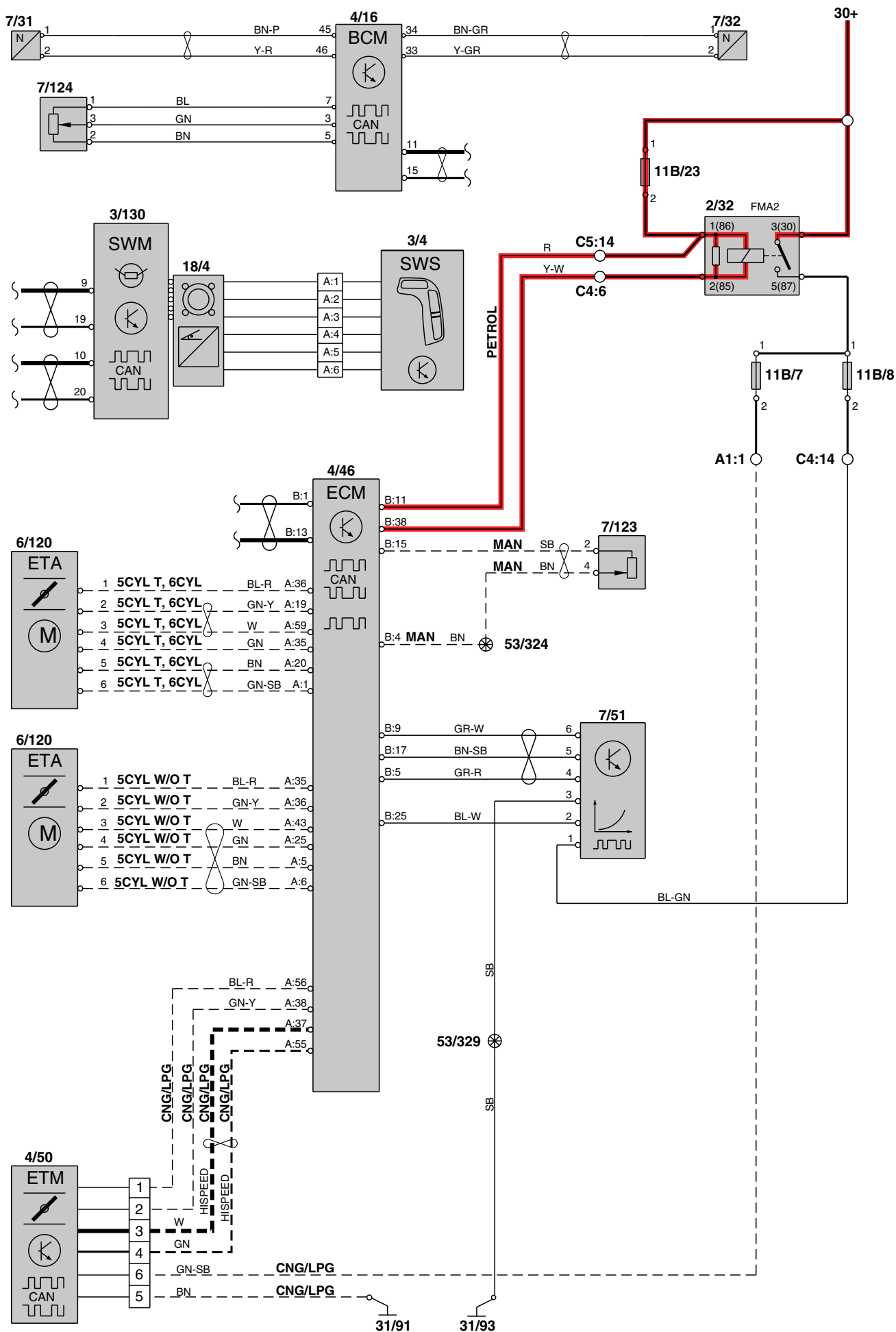


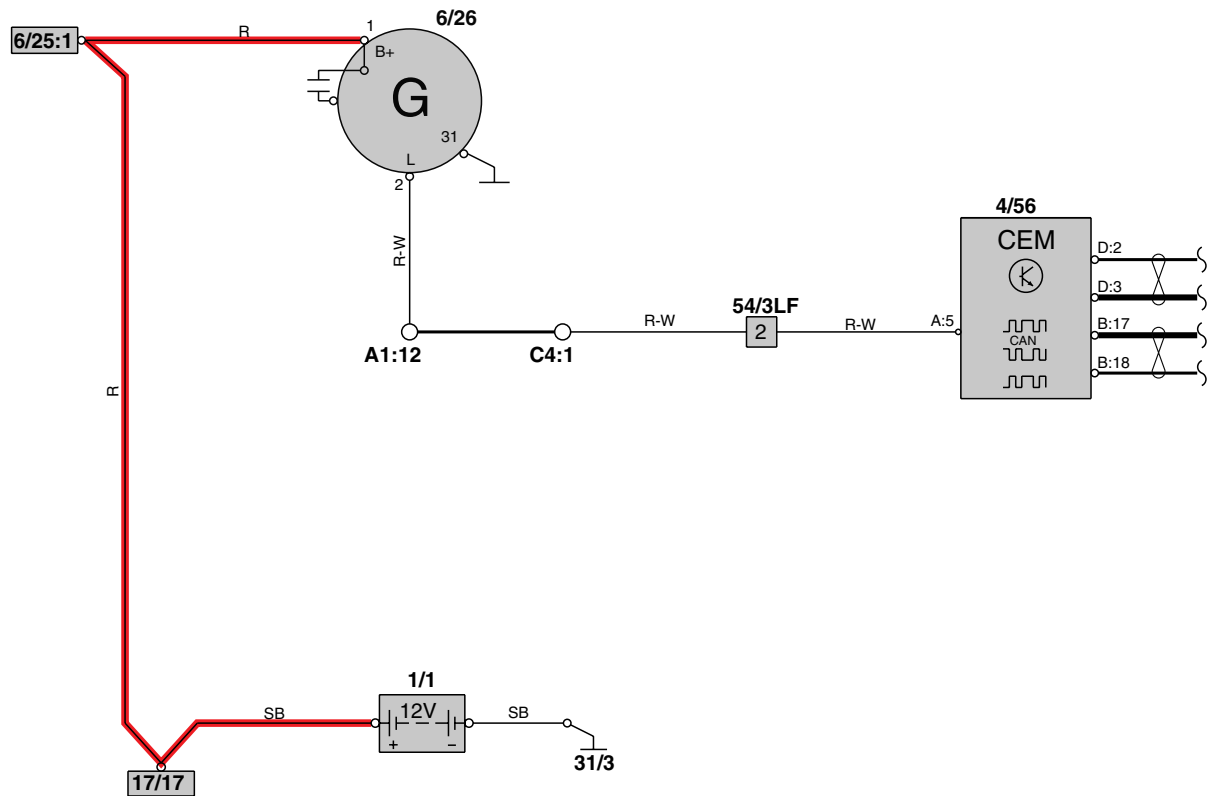
Electric cooling fan XC90



Group 27

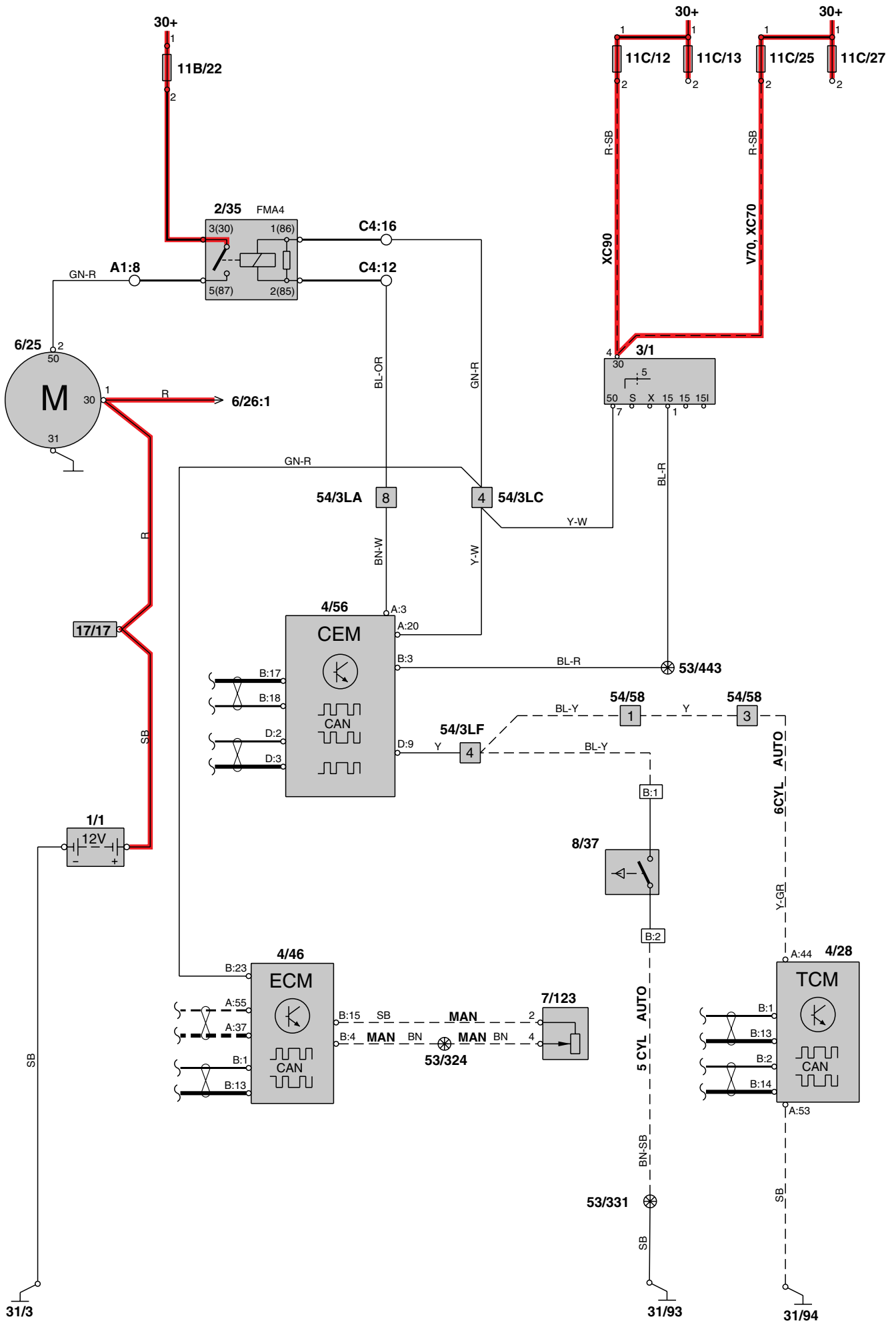
Cruise control



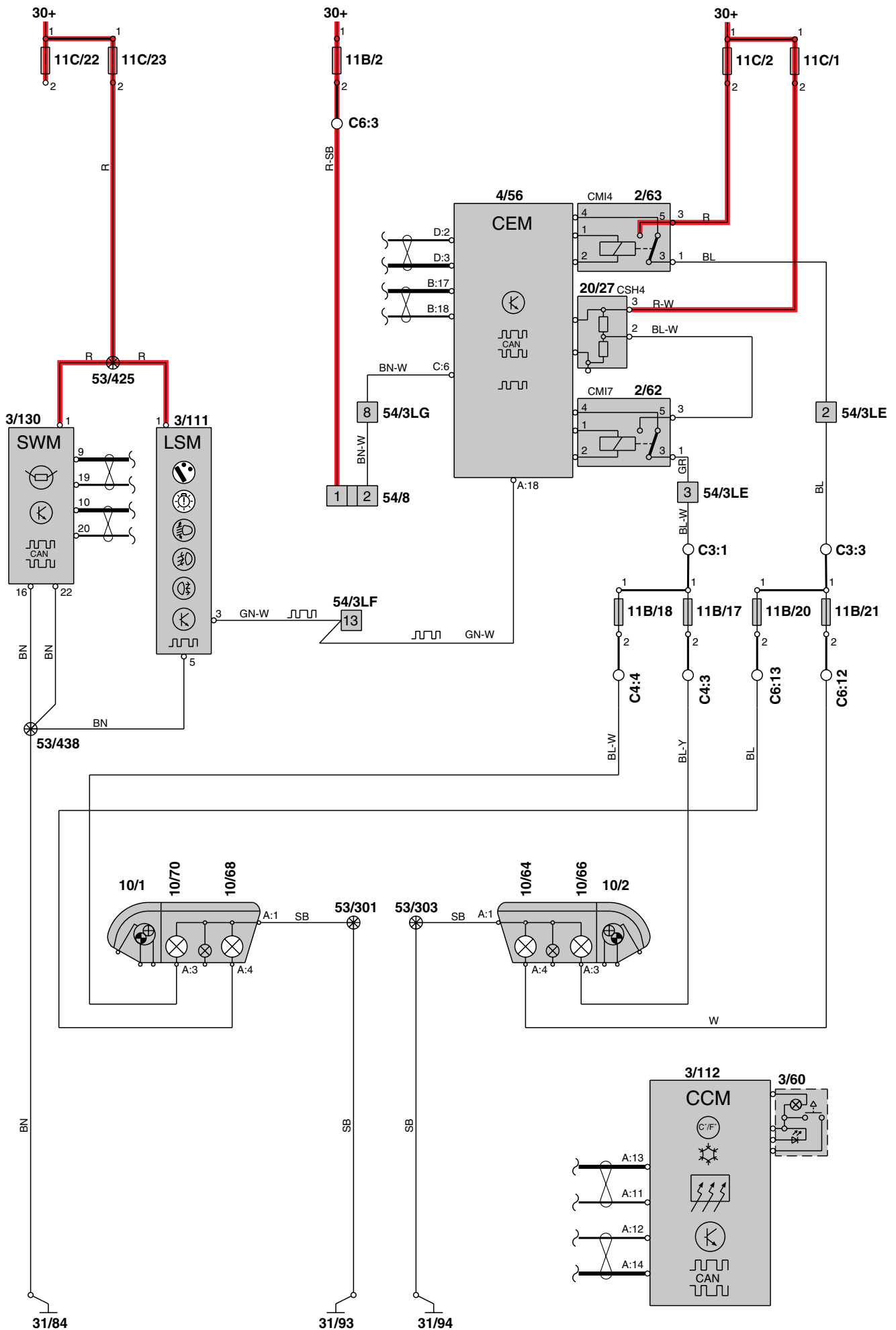


Group 33

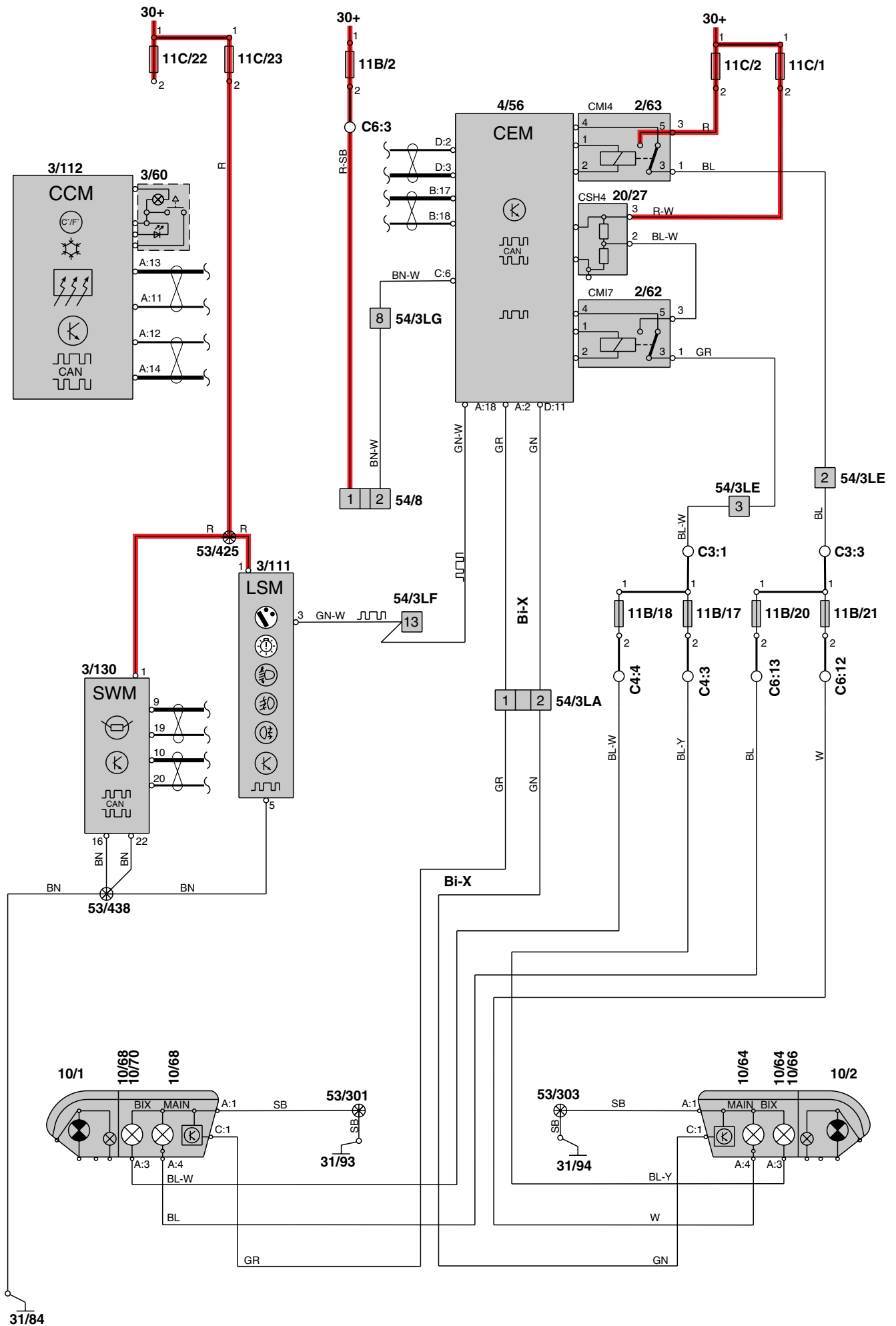
Starting system



Group 35 High and low beam plus auxiliary light wiring V70/XC70

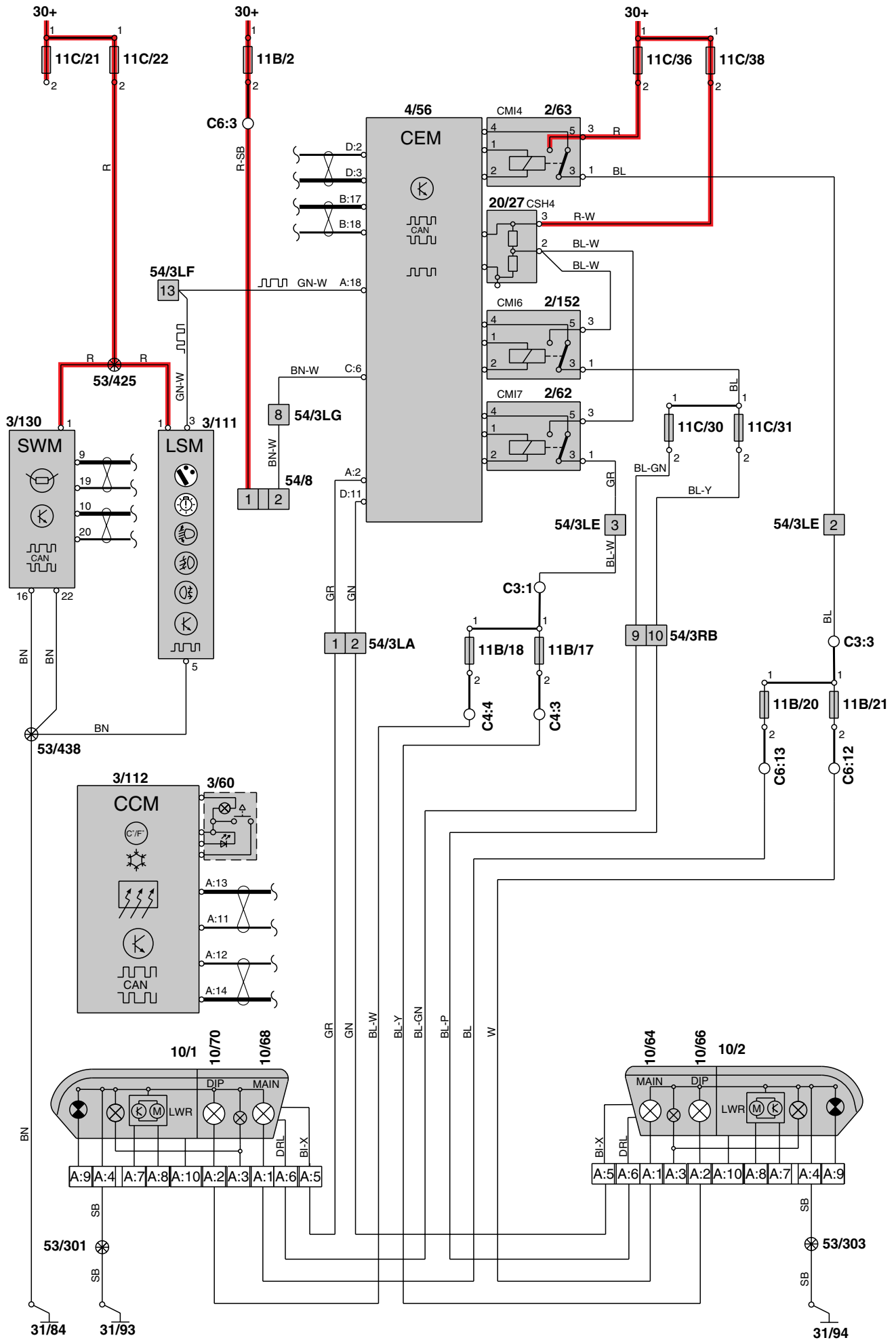


High and low beam, Bi-Xenon V70/XC70



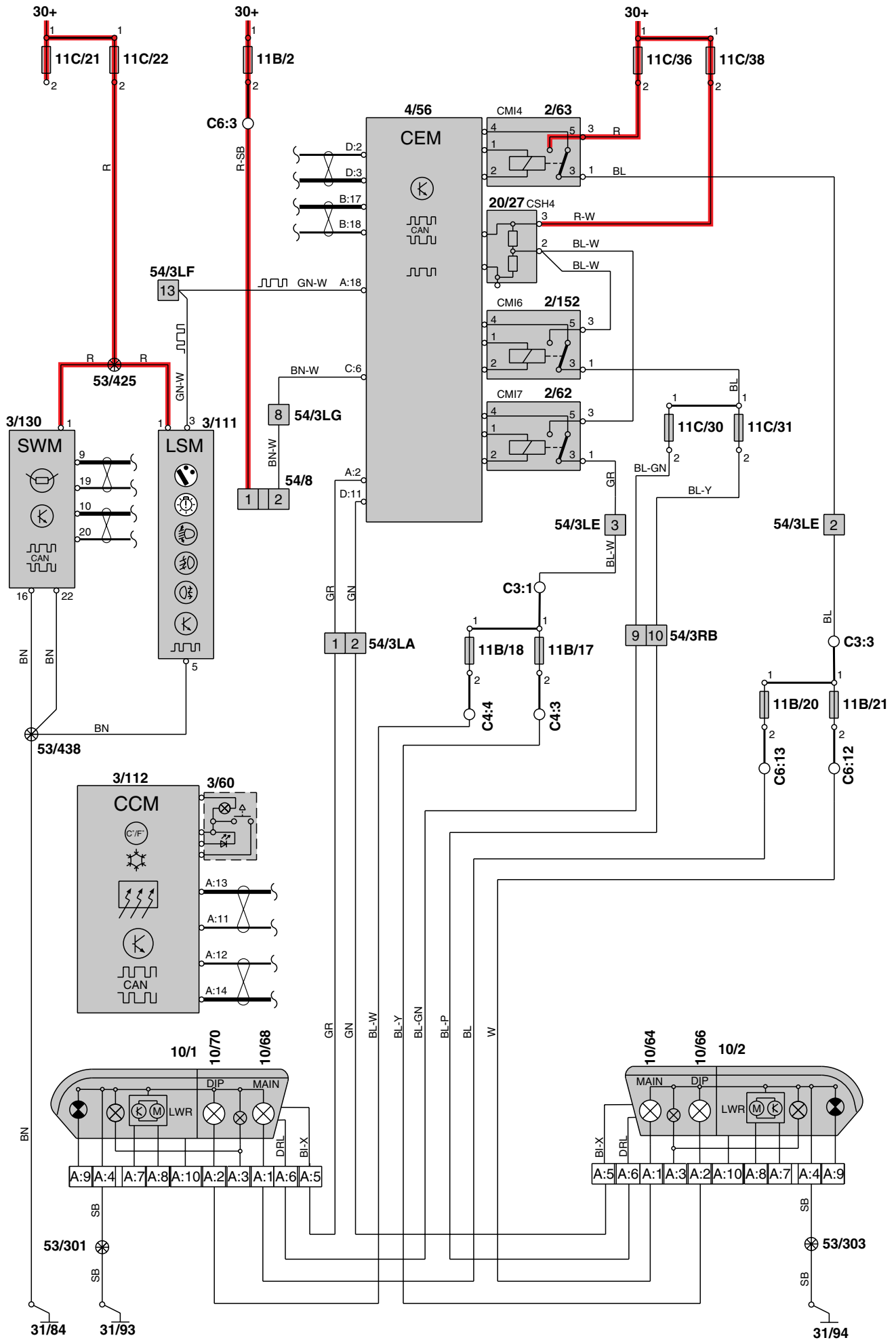
High and low beam XC90

Daytime running lights and auxiliary light wiring XC90

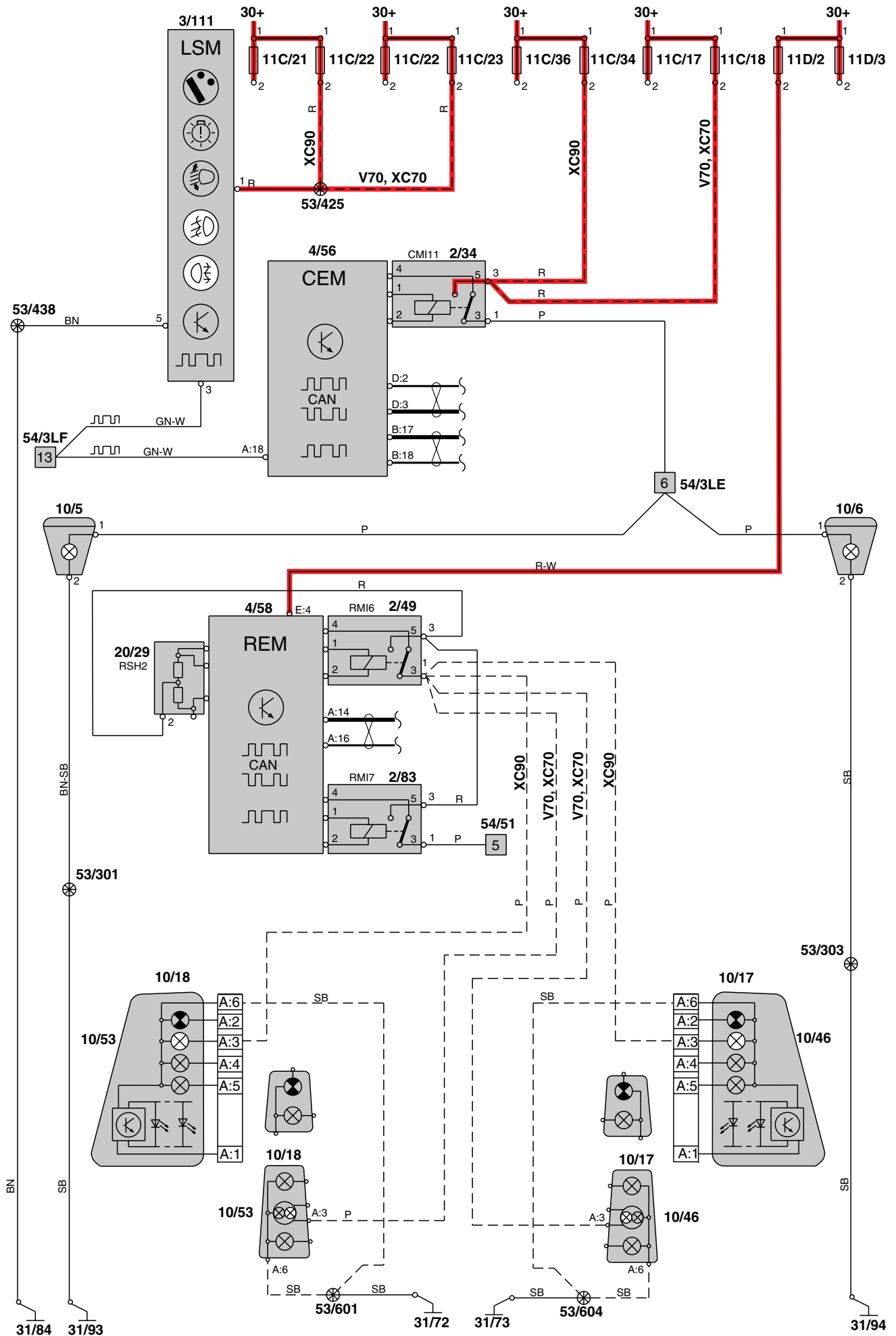


High and low beam XC90

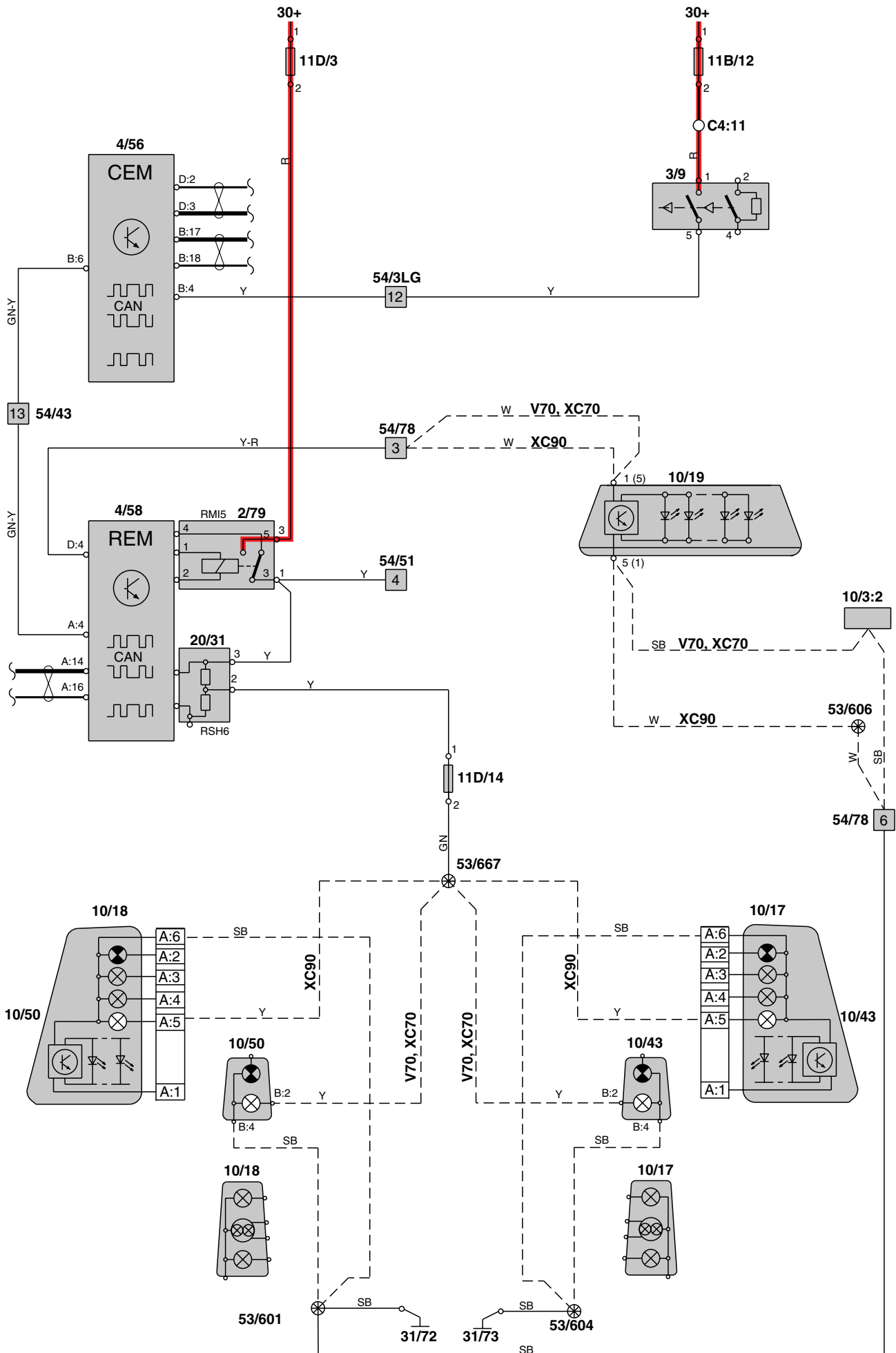
Daytime running lights and auxiliary light wiring XC90



Fog lights



Brake lights



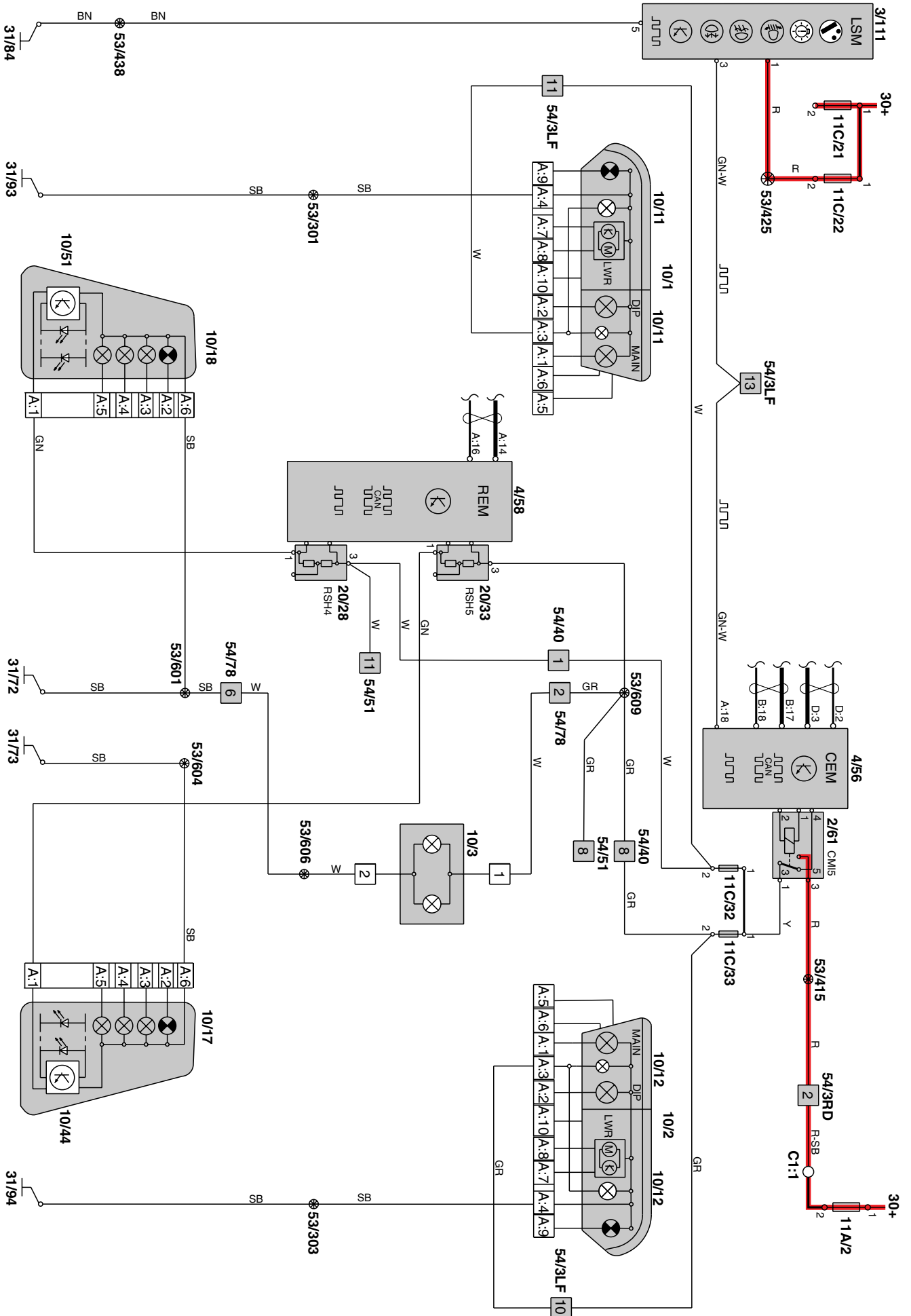
Tail lights and license plate lighting V70/XC70



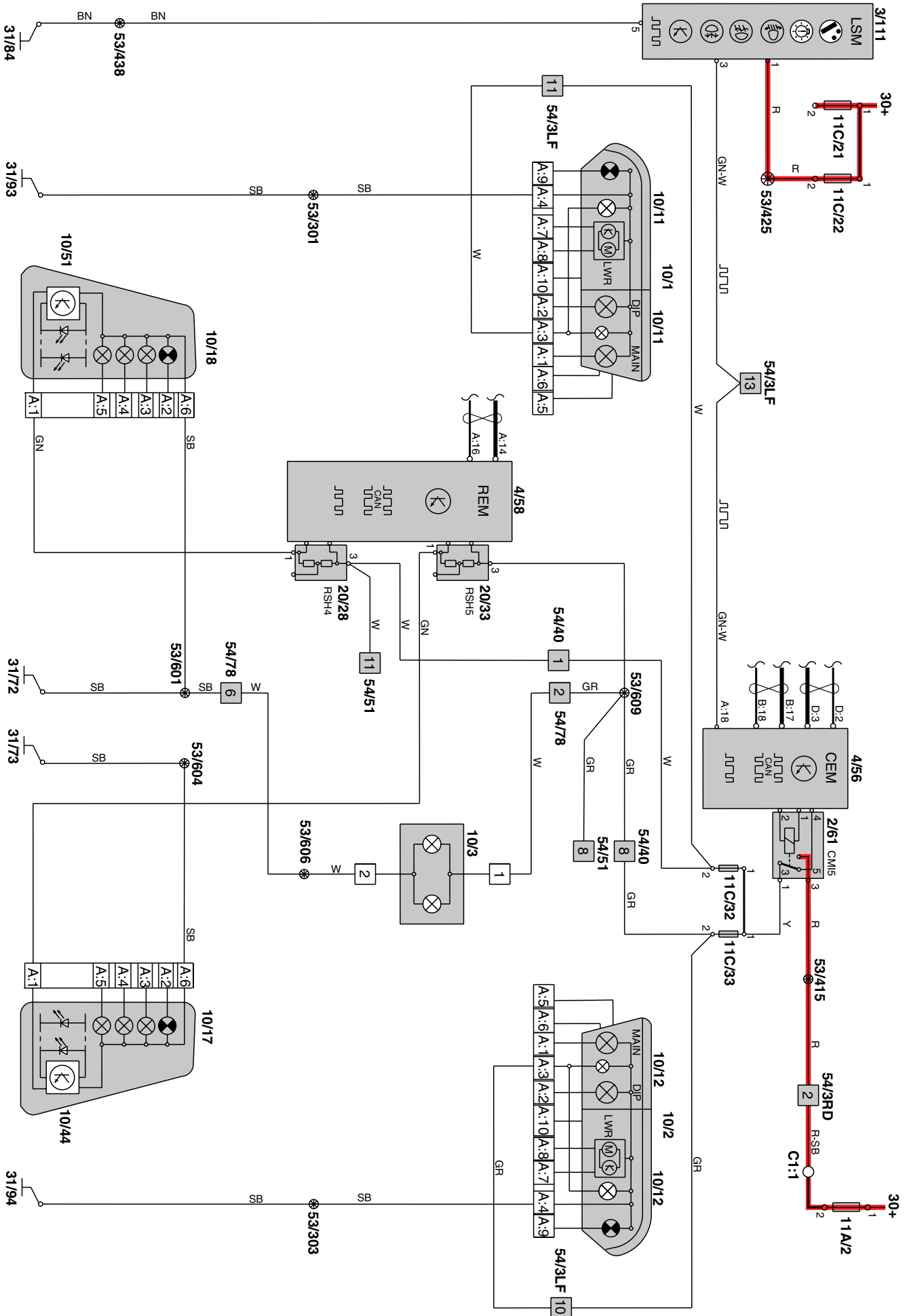
Tail lights and license plate lighting V70/XC70



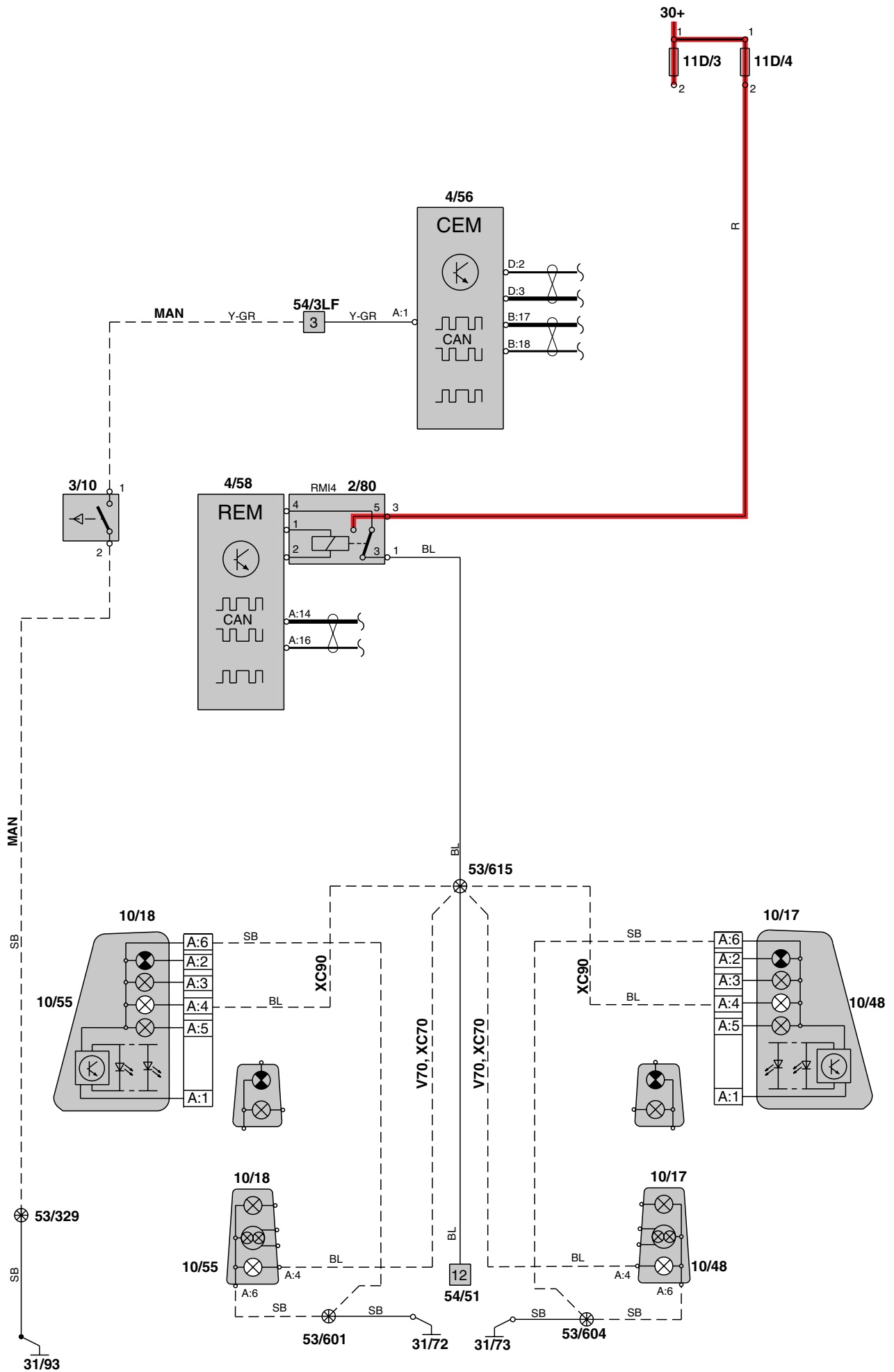
Parking lights XC90
Tail lights and license plate lighting XC90

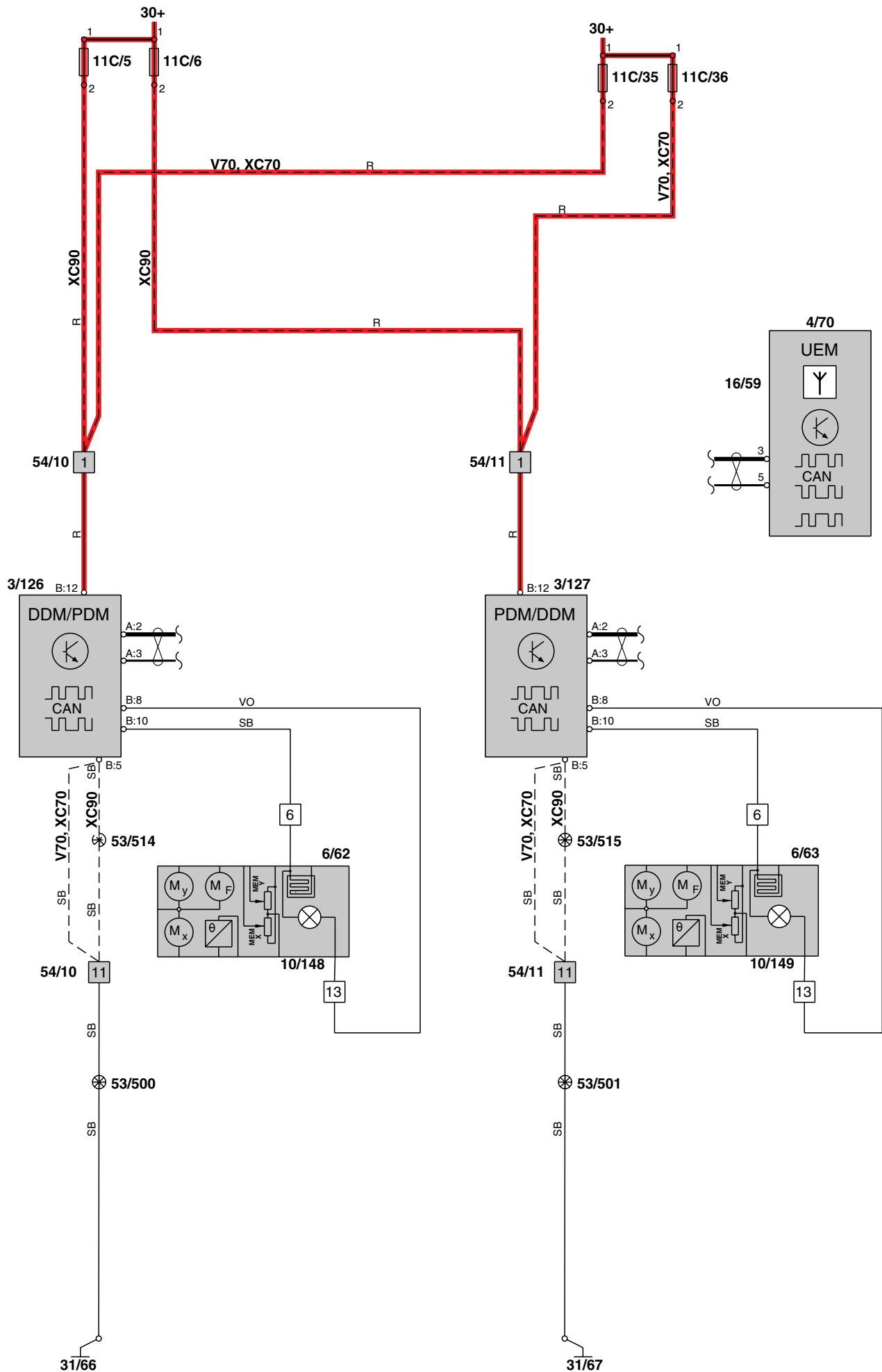


Parking lights XC90
Tail lights and license plate lighting XC90

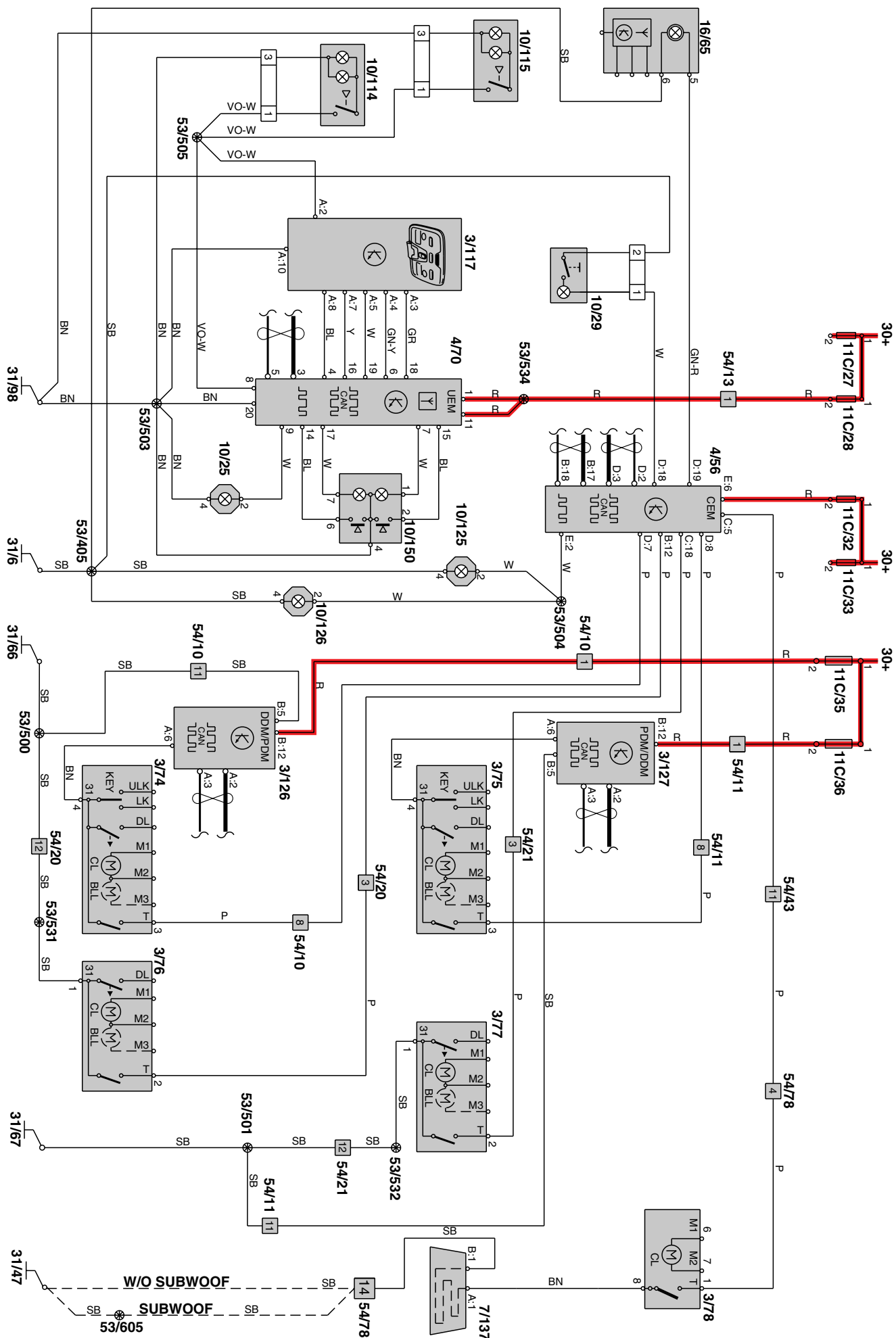


Reversing lights

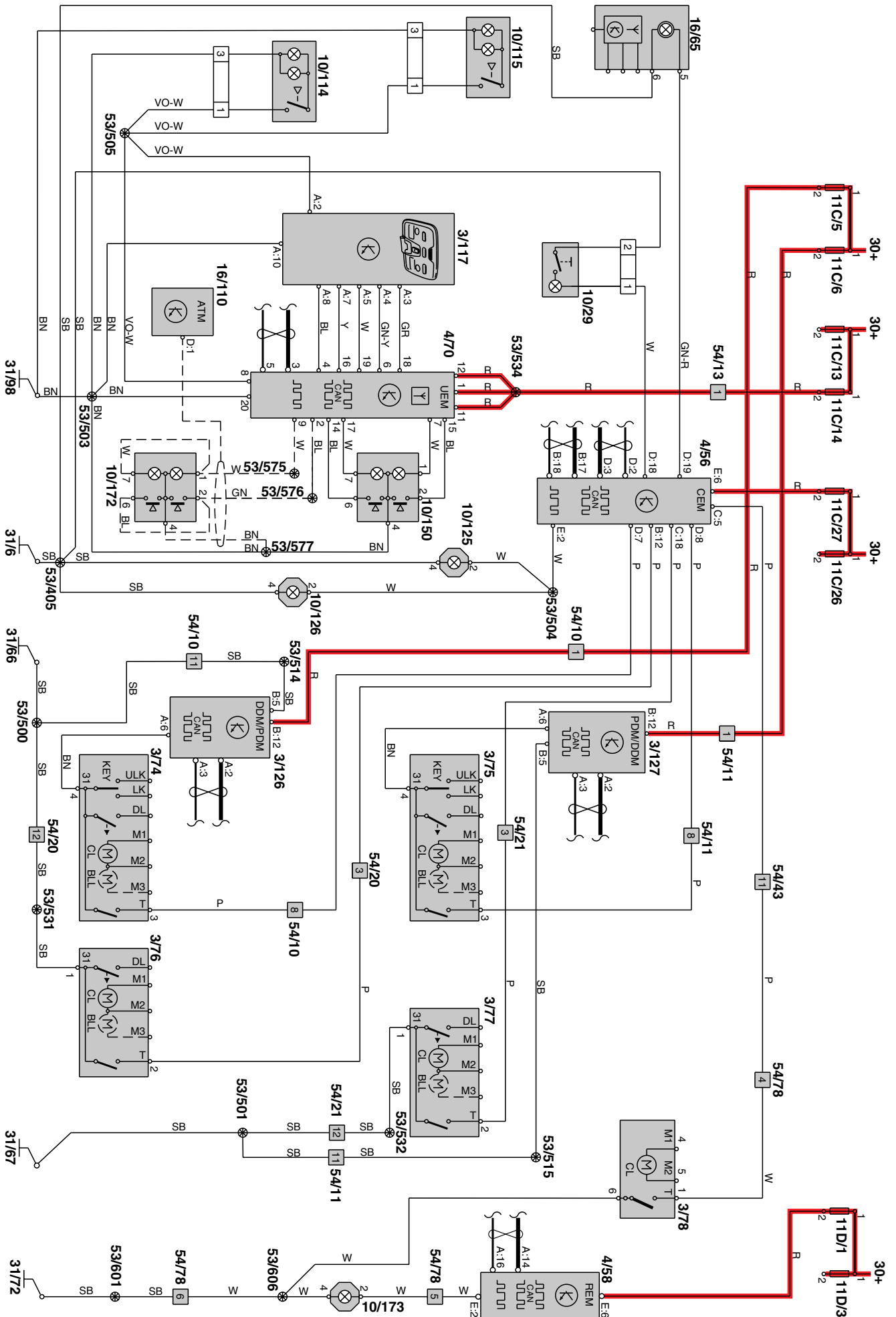




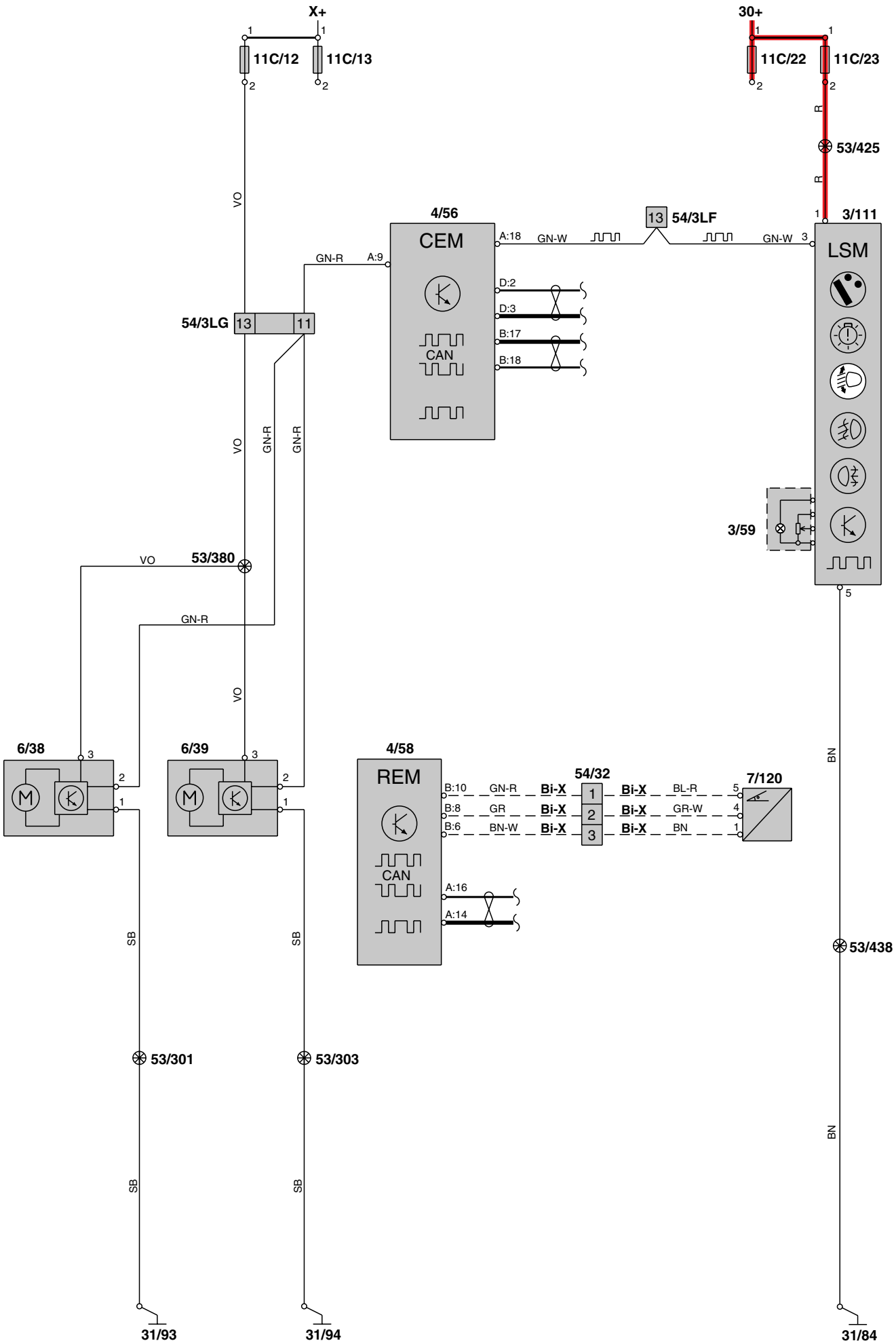
Interior lighting V70/XC70



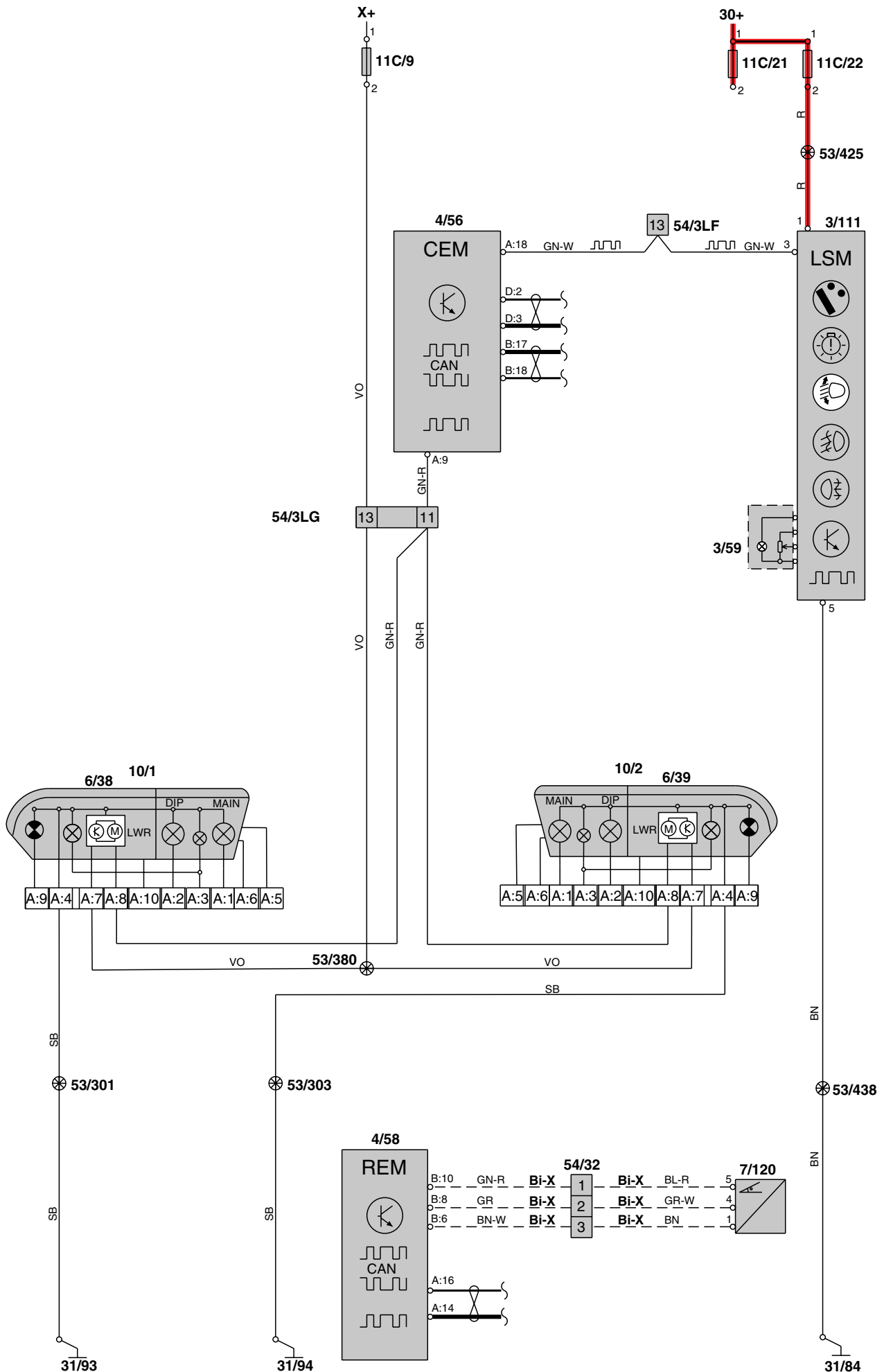
Interior lighting XC90



Beam length adjustment V70/XC70

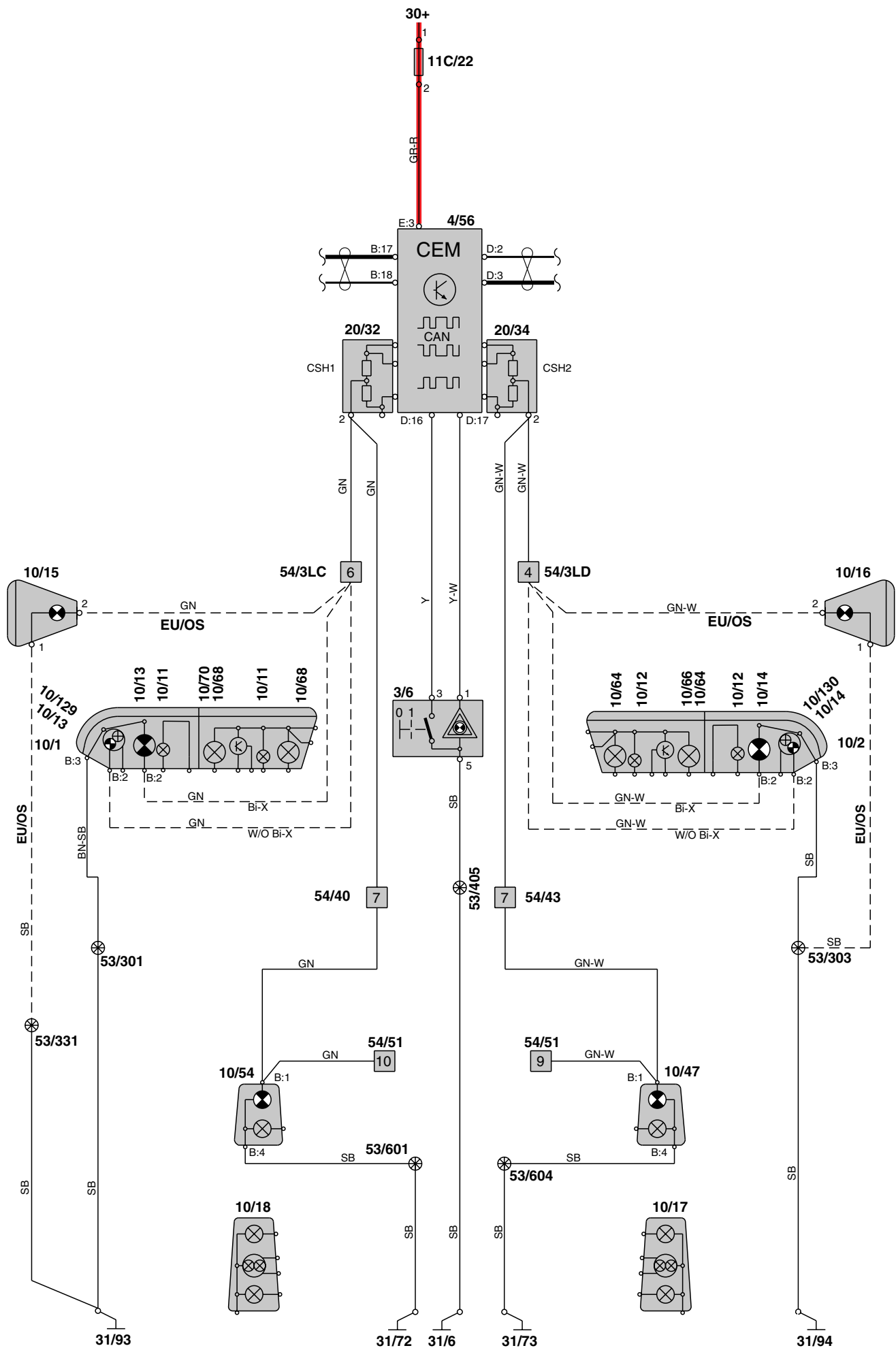


Beam length adjustment XC90

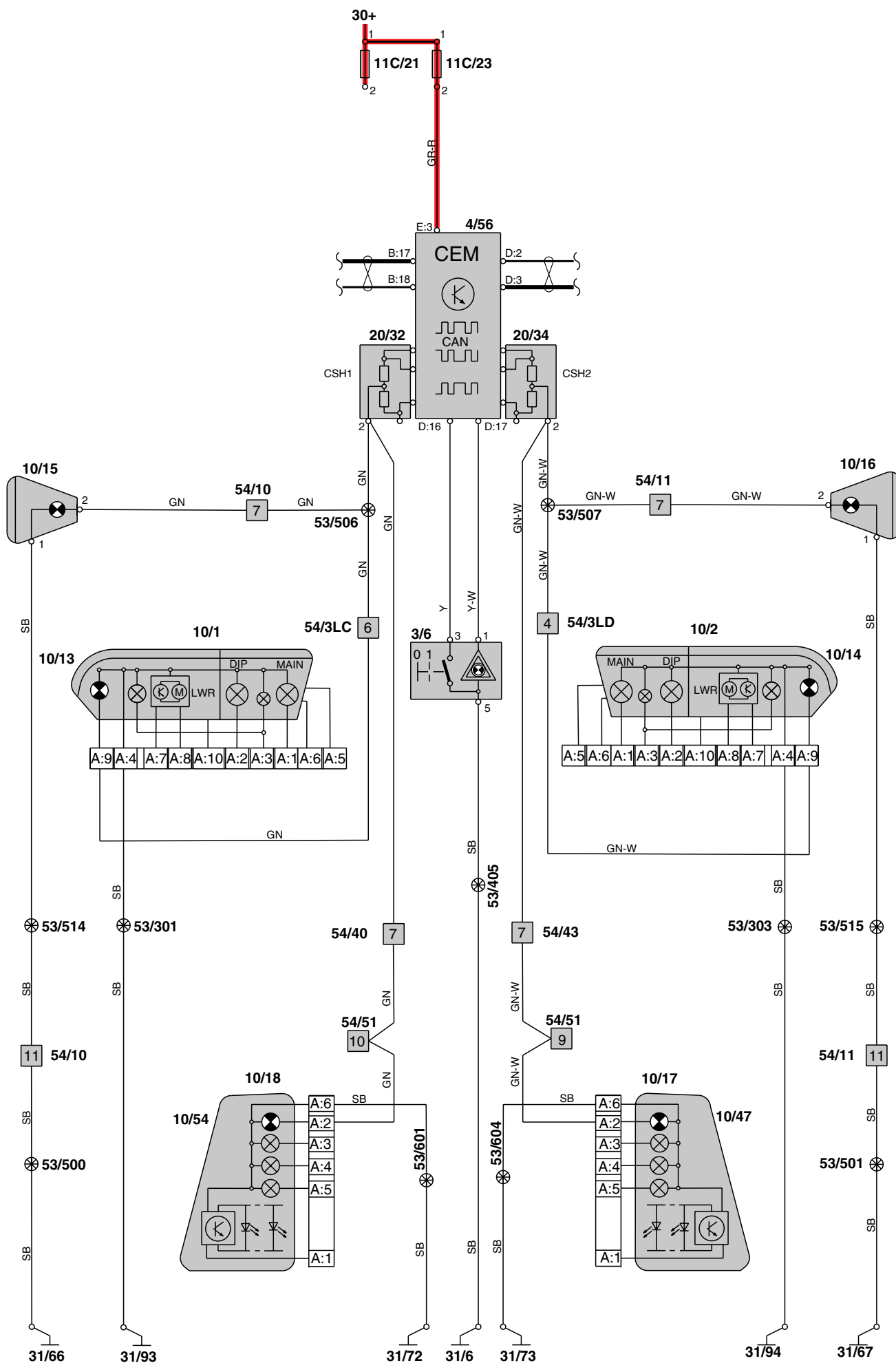


Group 36

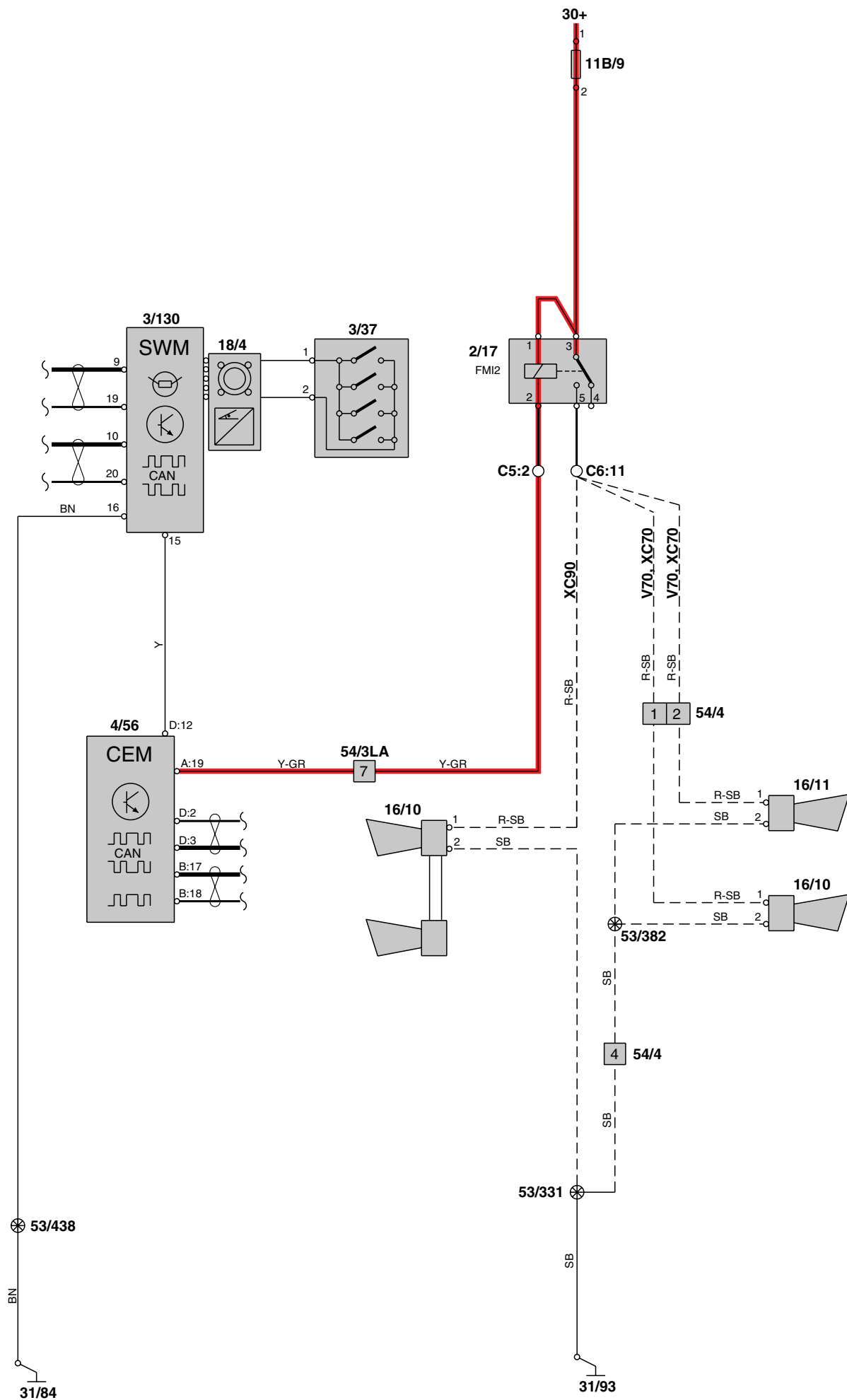
Direction indicators and hazard warning flashers V70/XC70



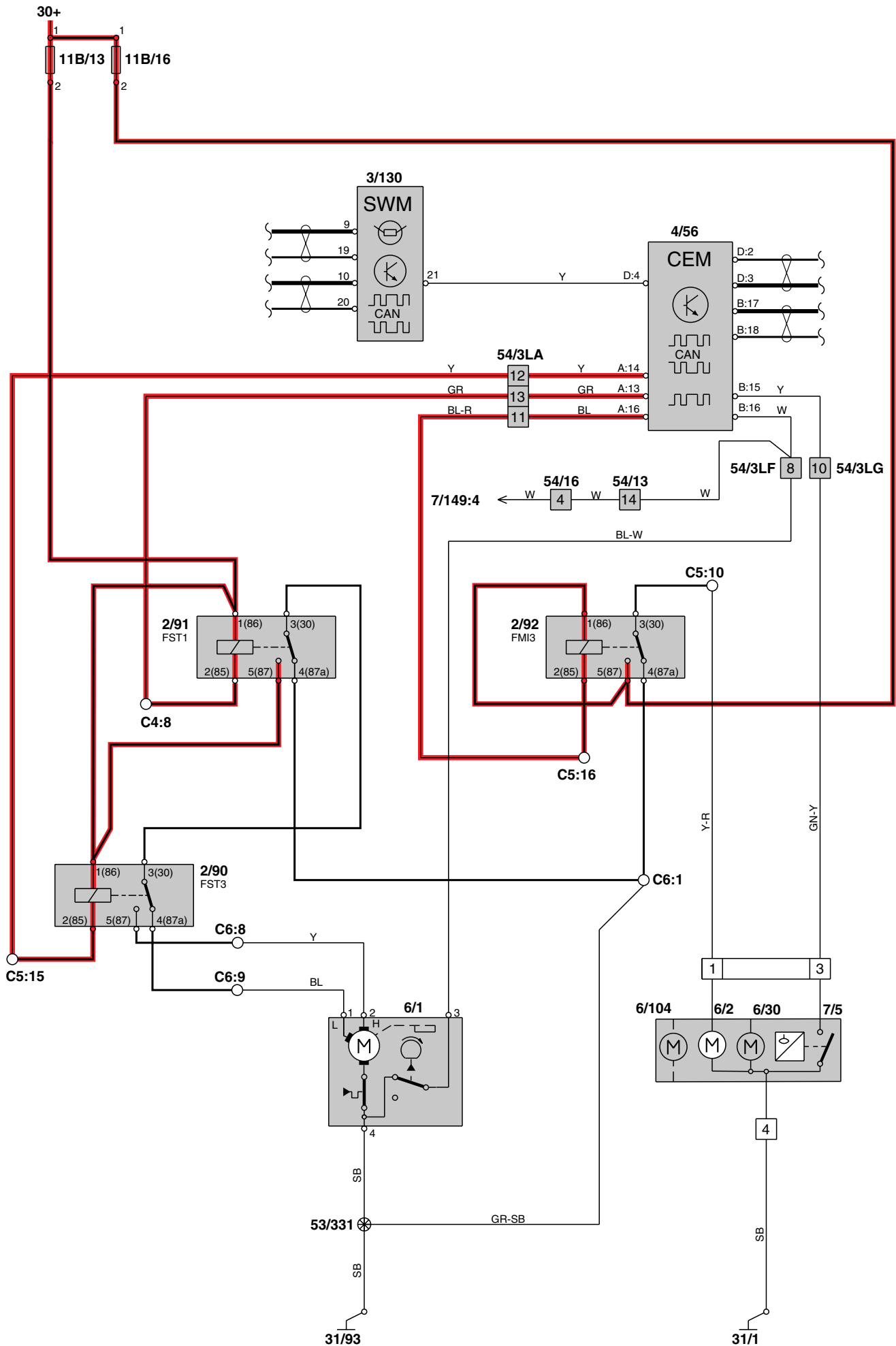
Direction indicators and hazard warning flashers XC90



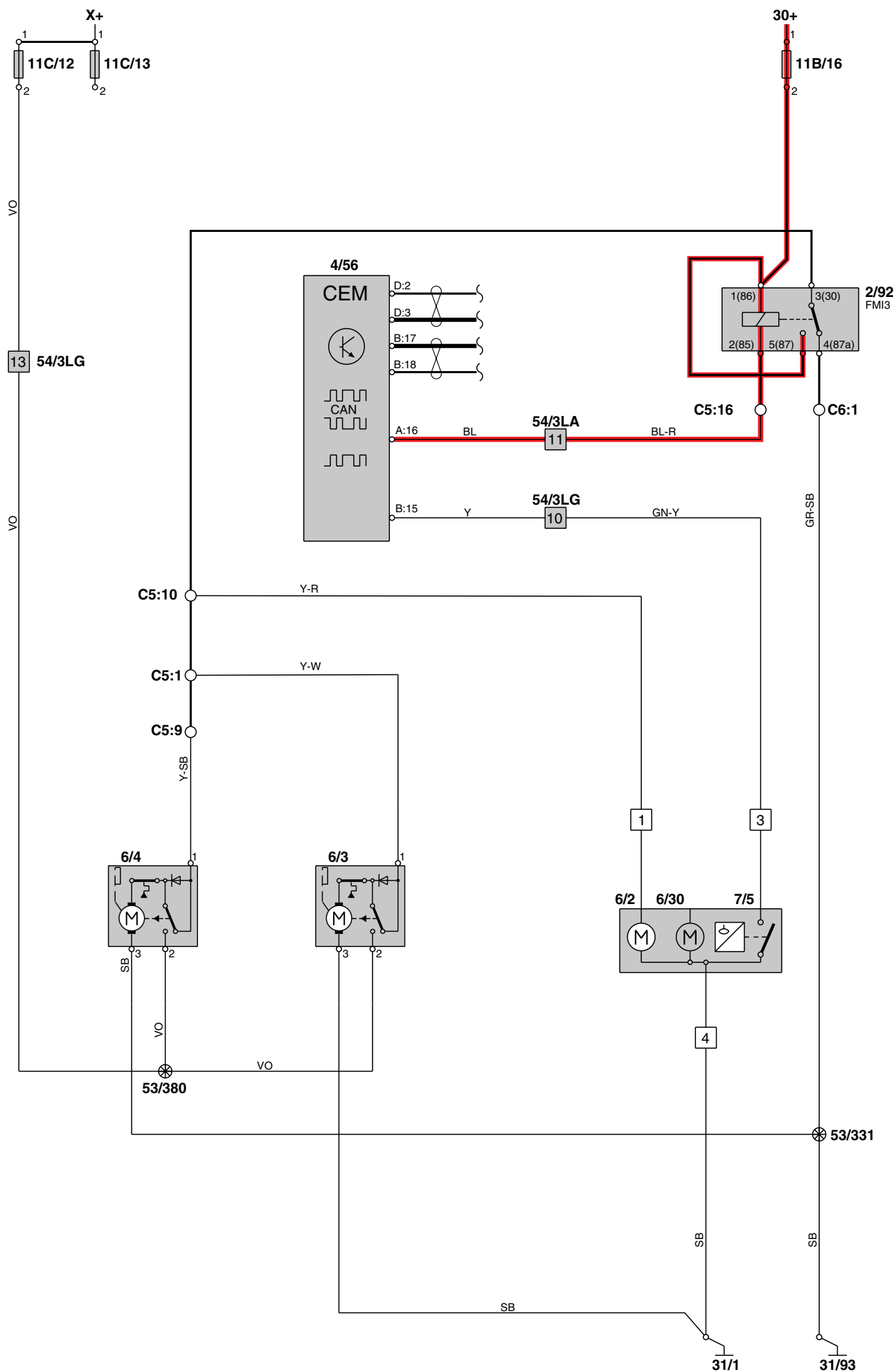
Horn



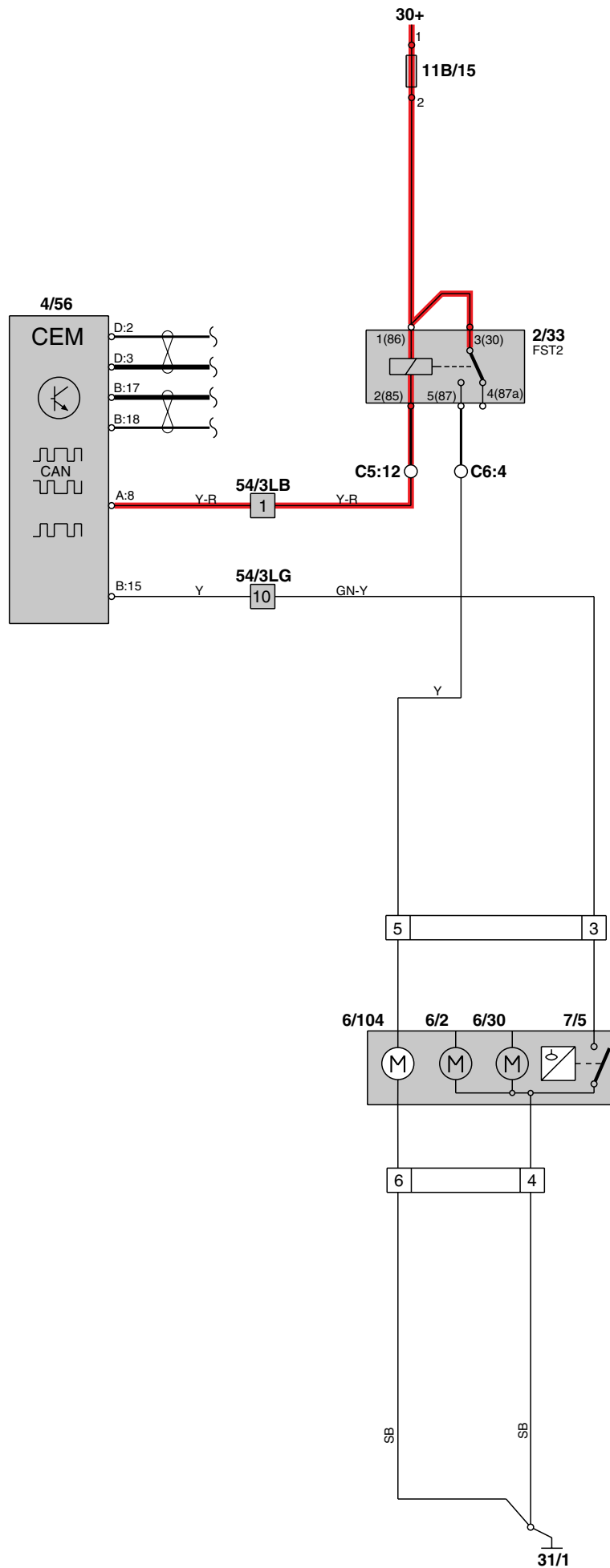
Wipers/washers, windshield



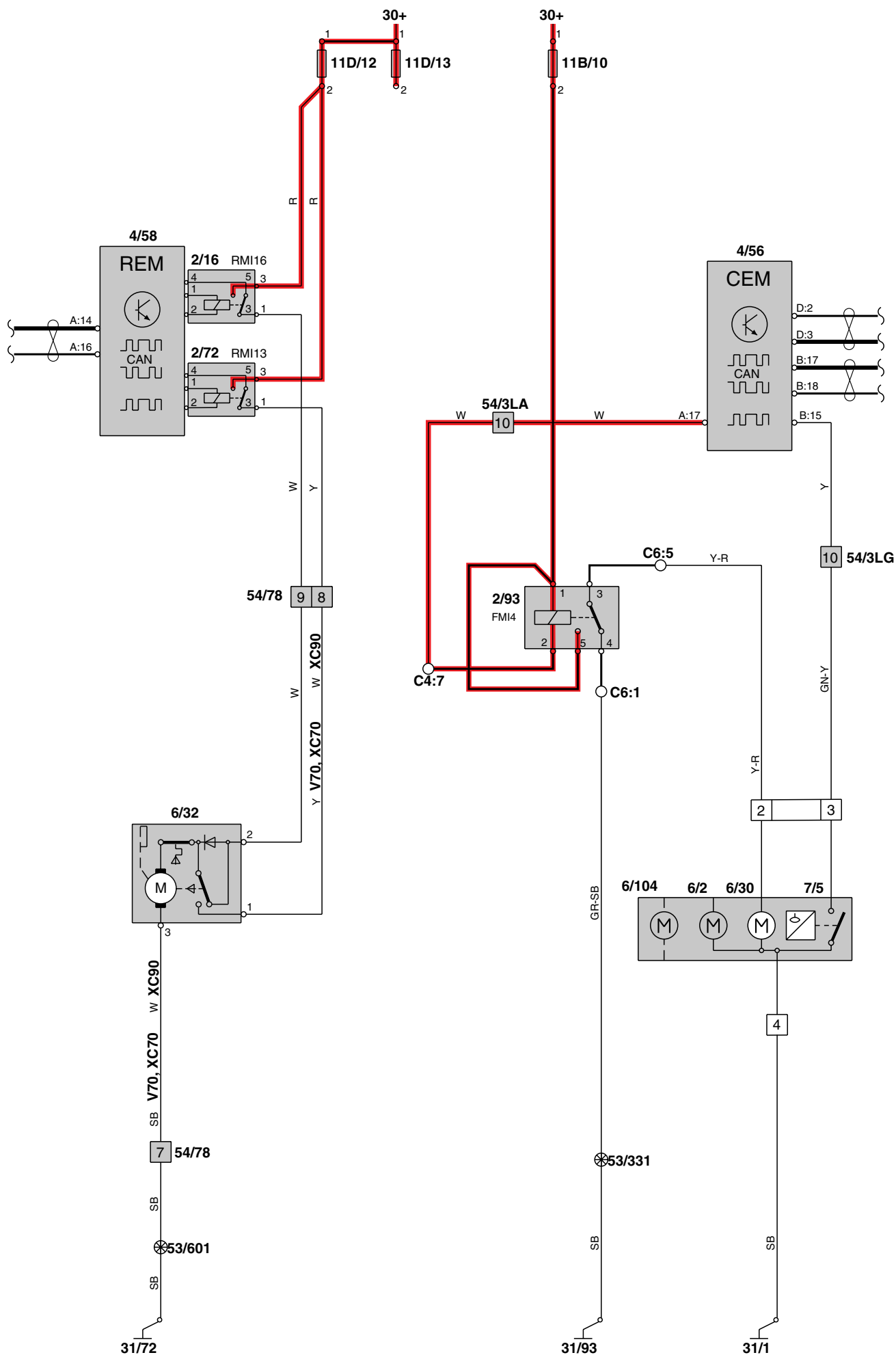
Wipers/washers, headlights V70/XC70



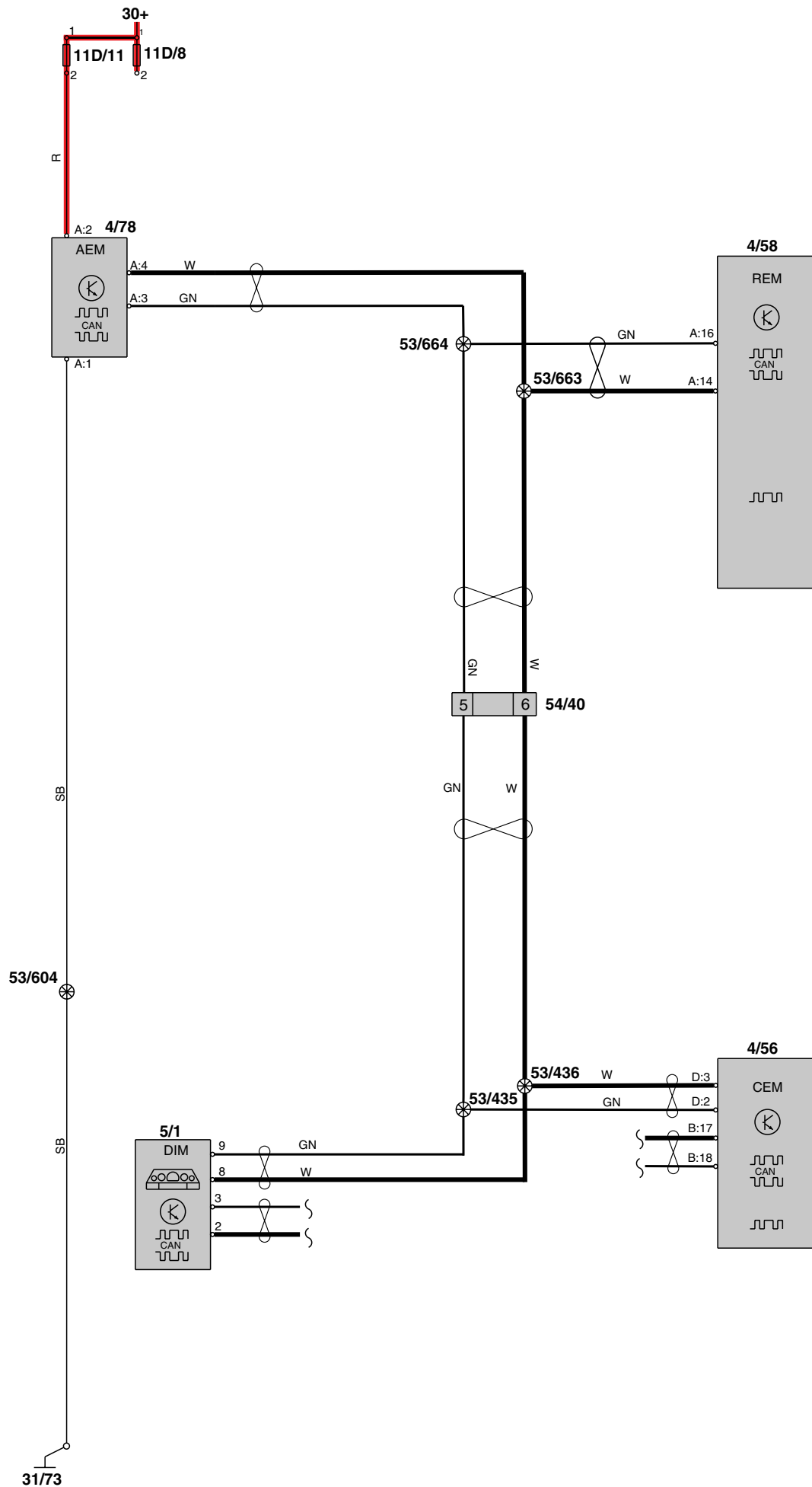
High pressure wash, headlights XC90



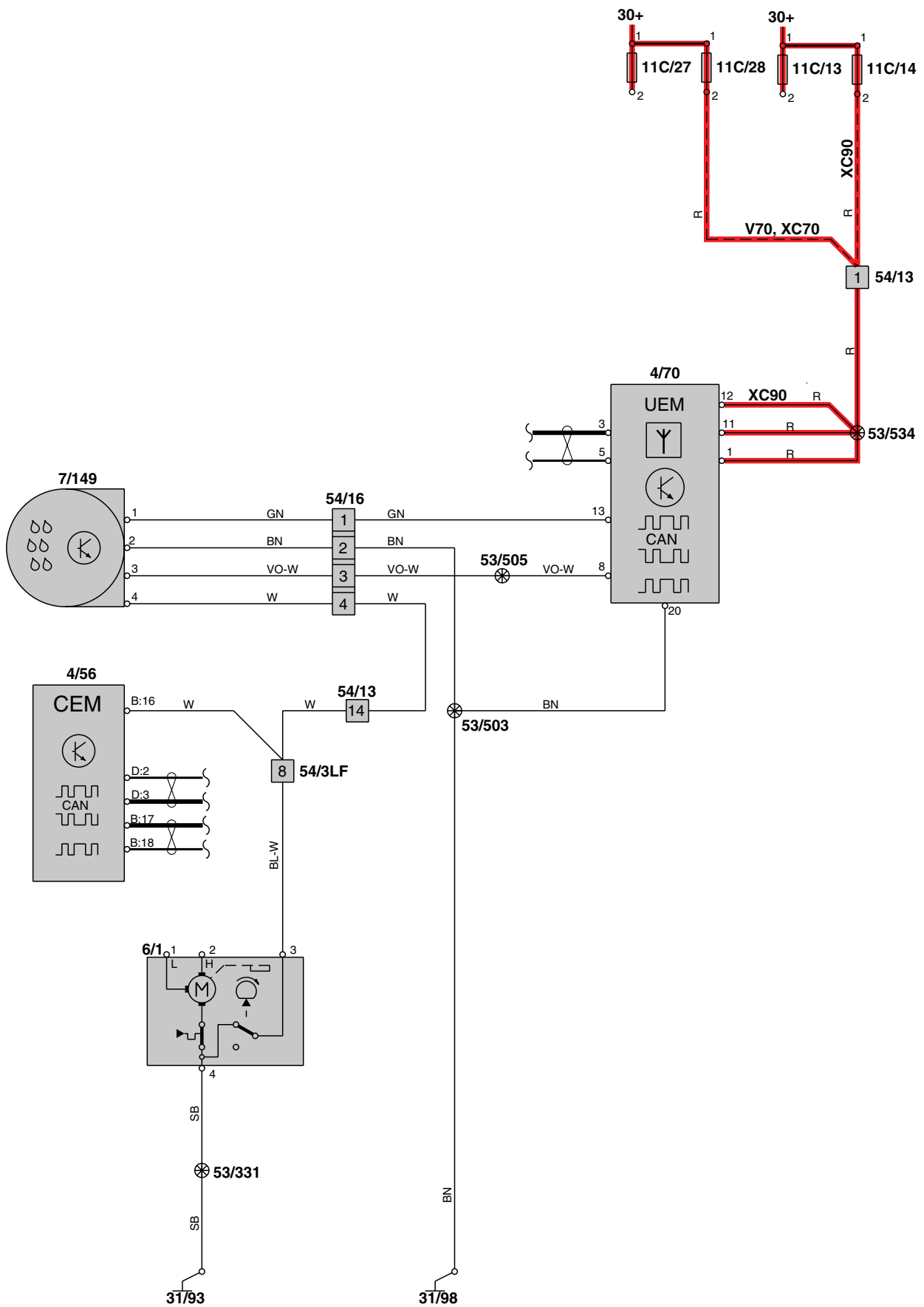
Wiper/washer, rear window



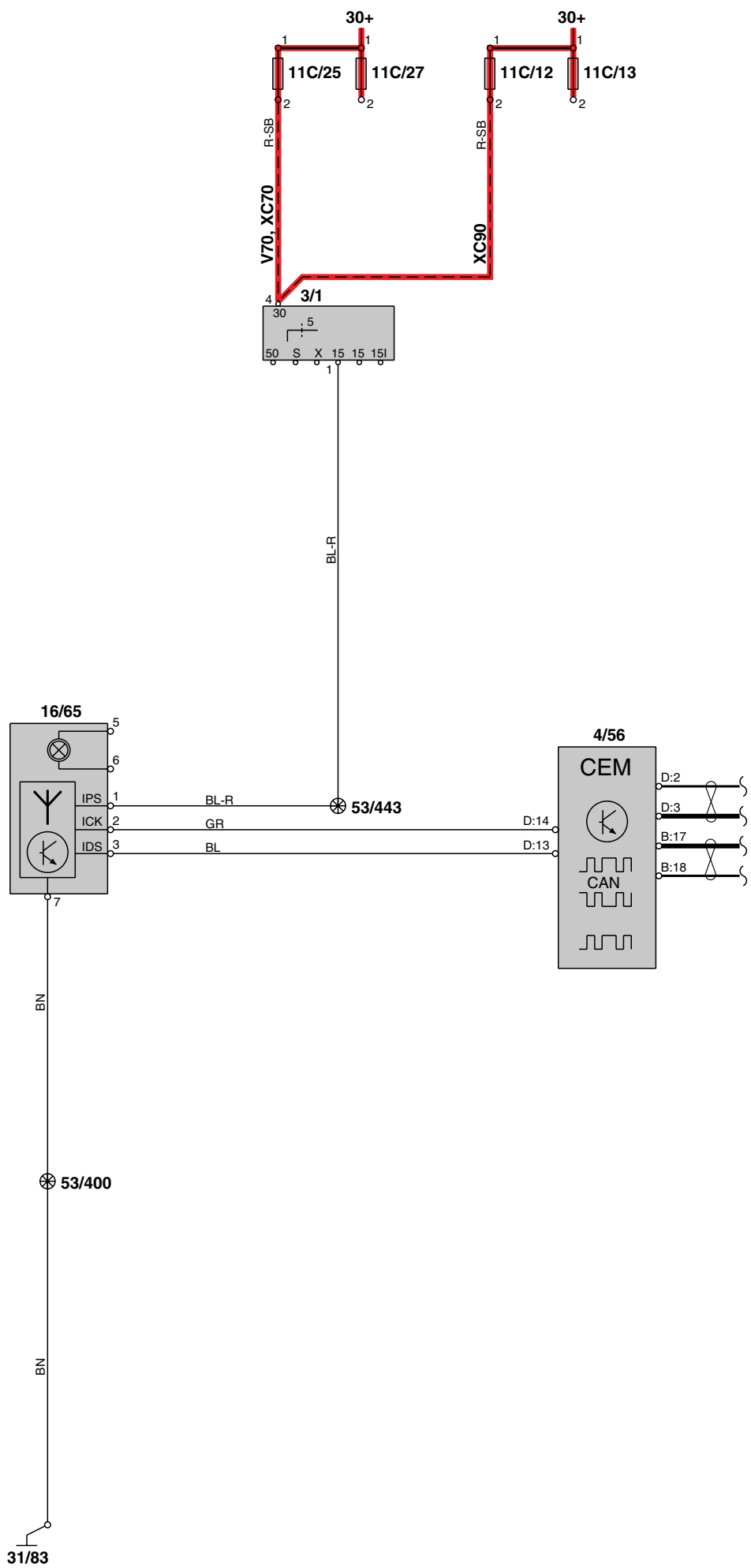
Accessory Electronic Module (AEM)



Rain sensor

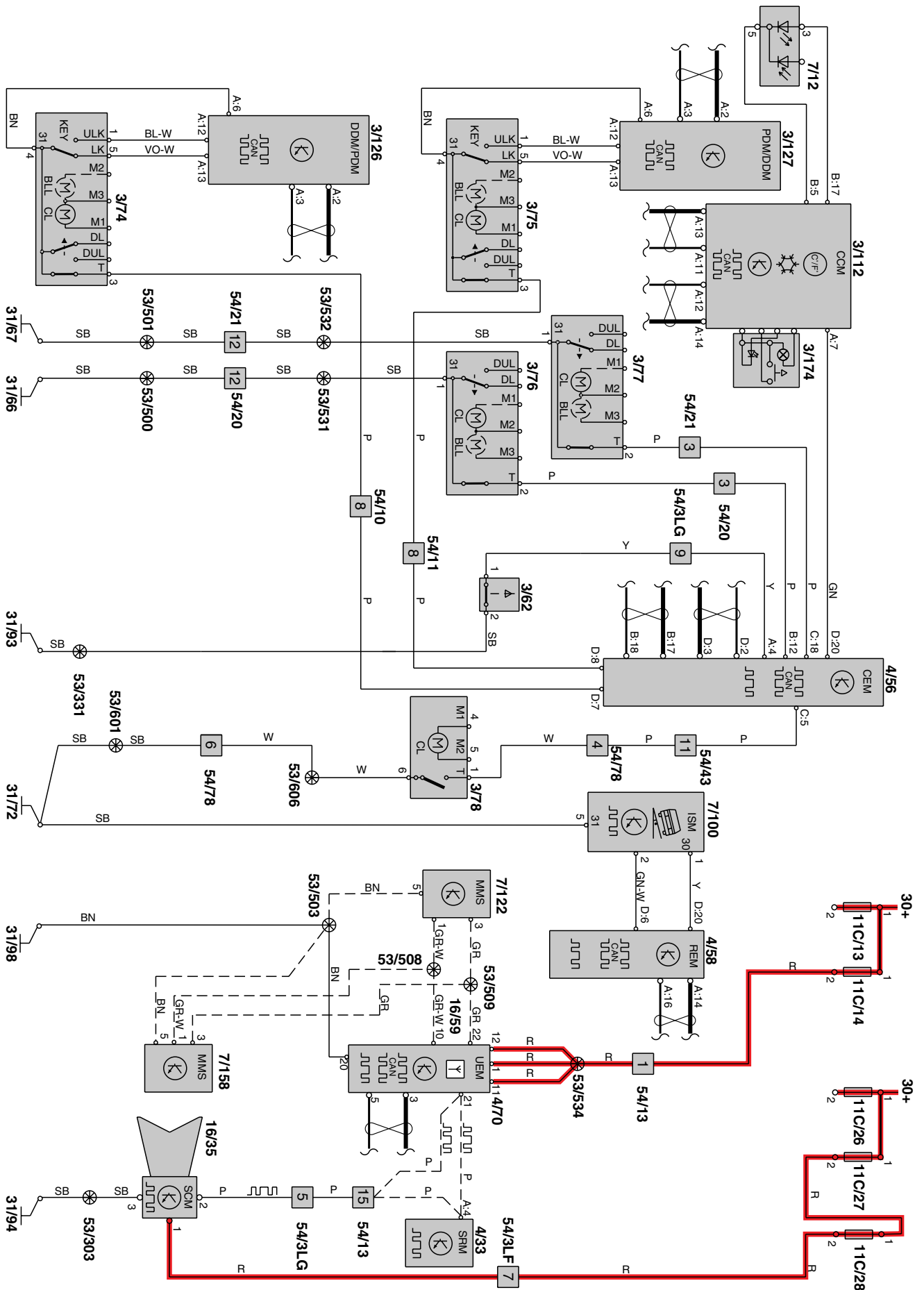


Electronic immobilizer

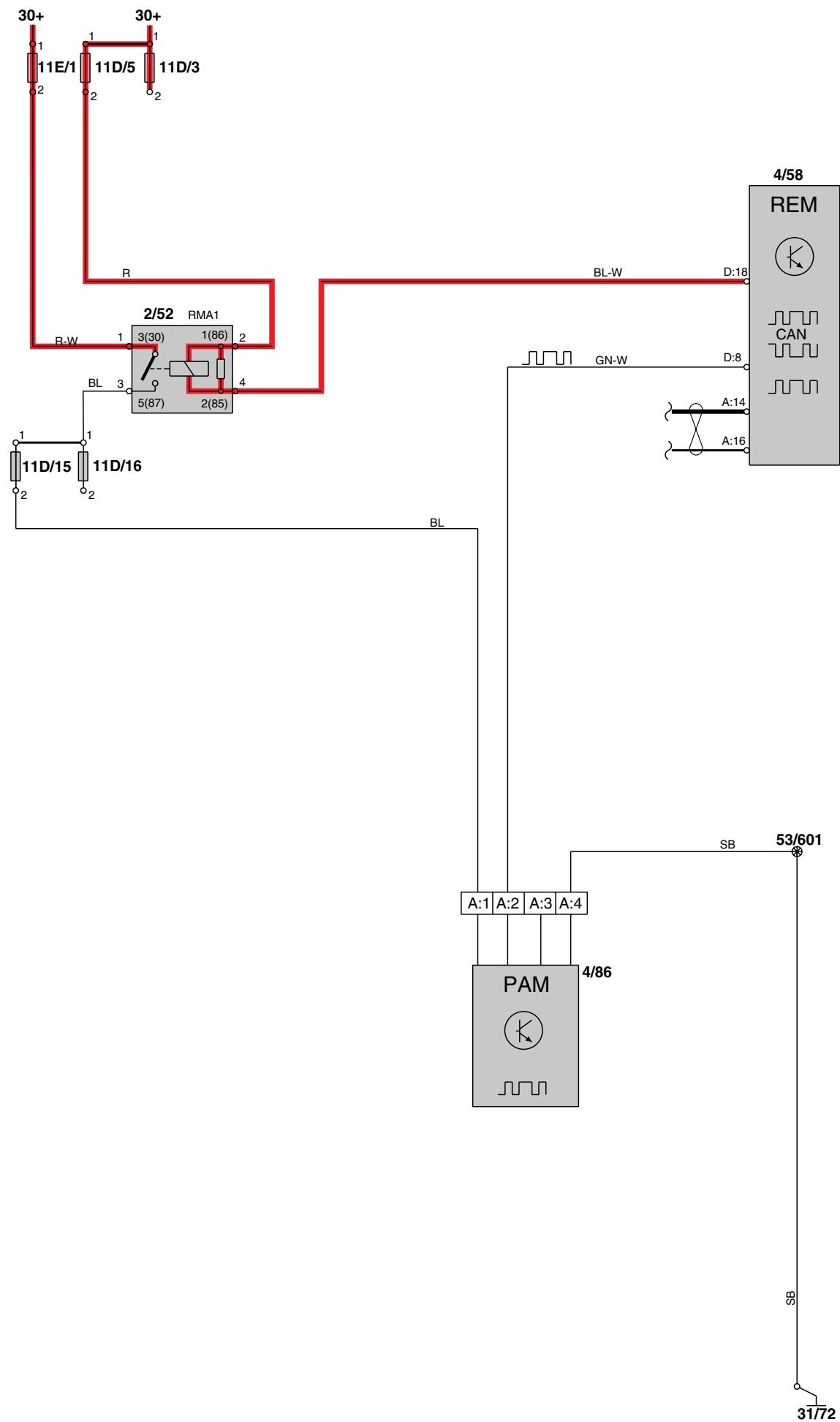


[illegible]

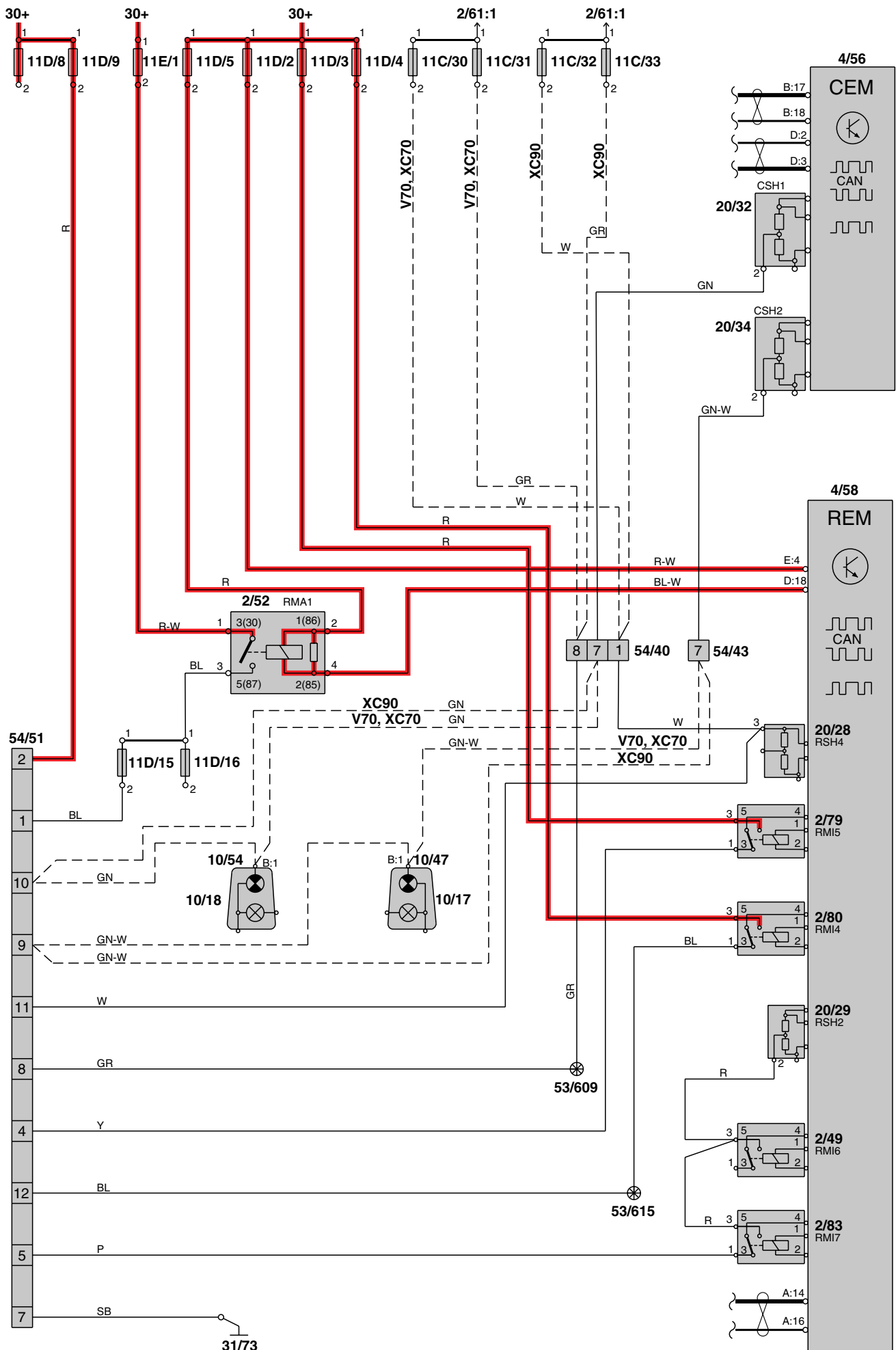
Anti-theft alarm XC90



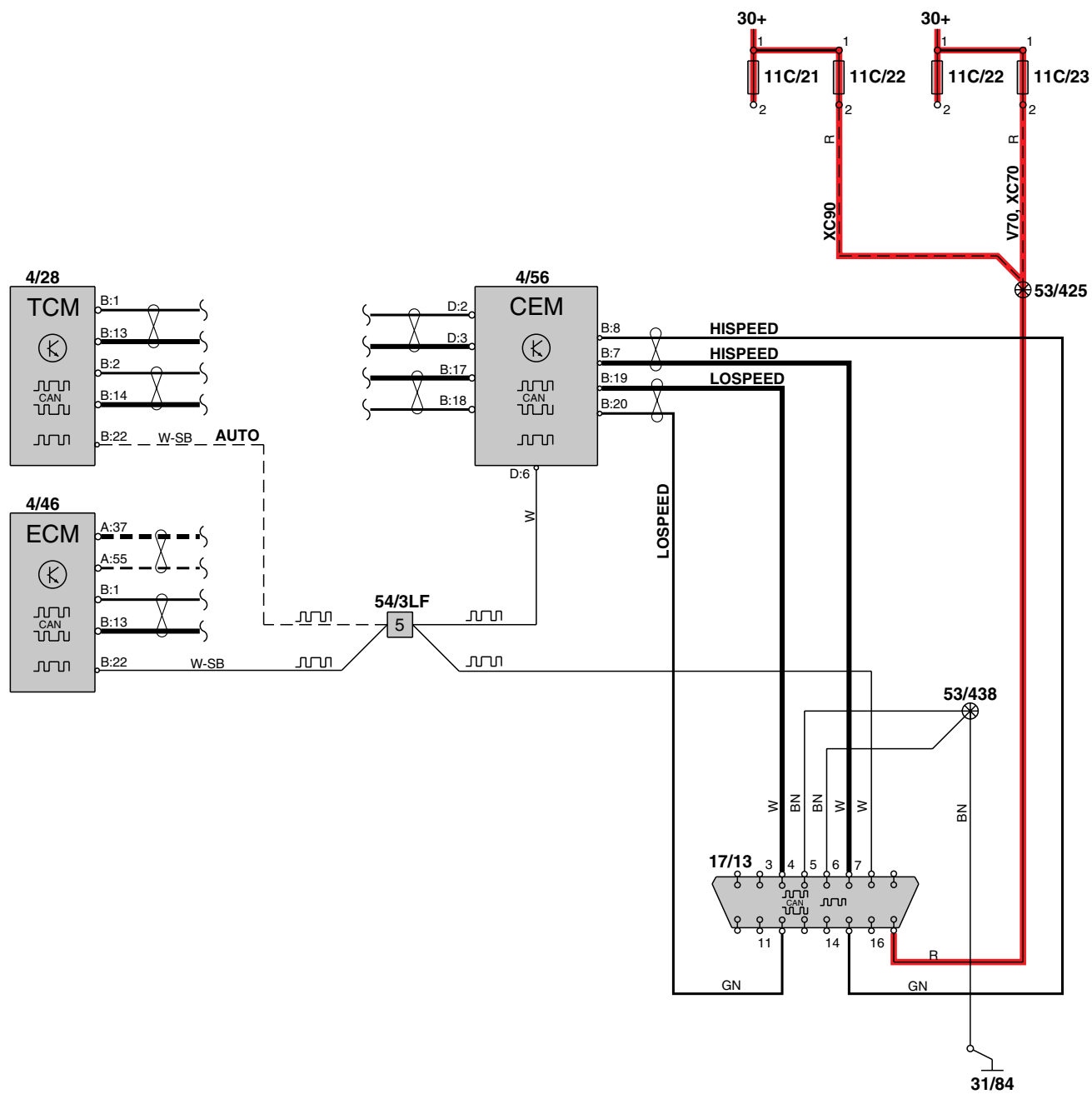
Parking assistance XC90

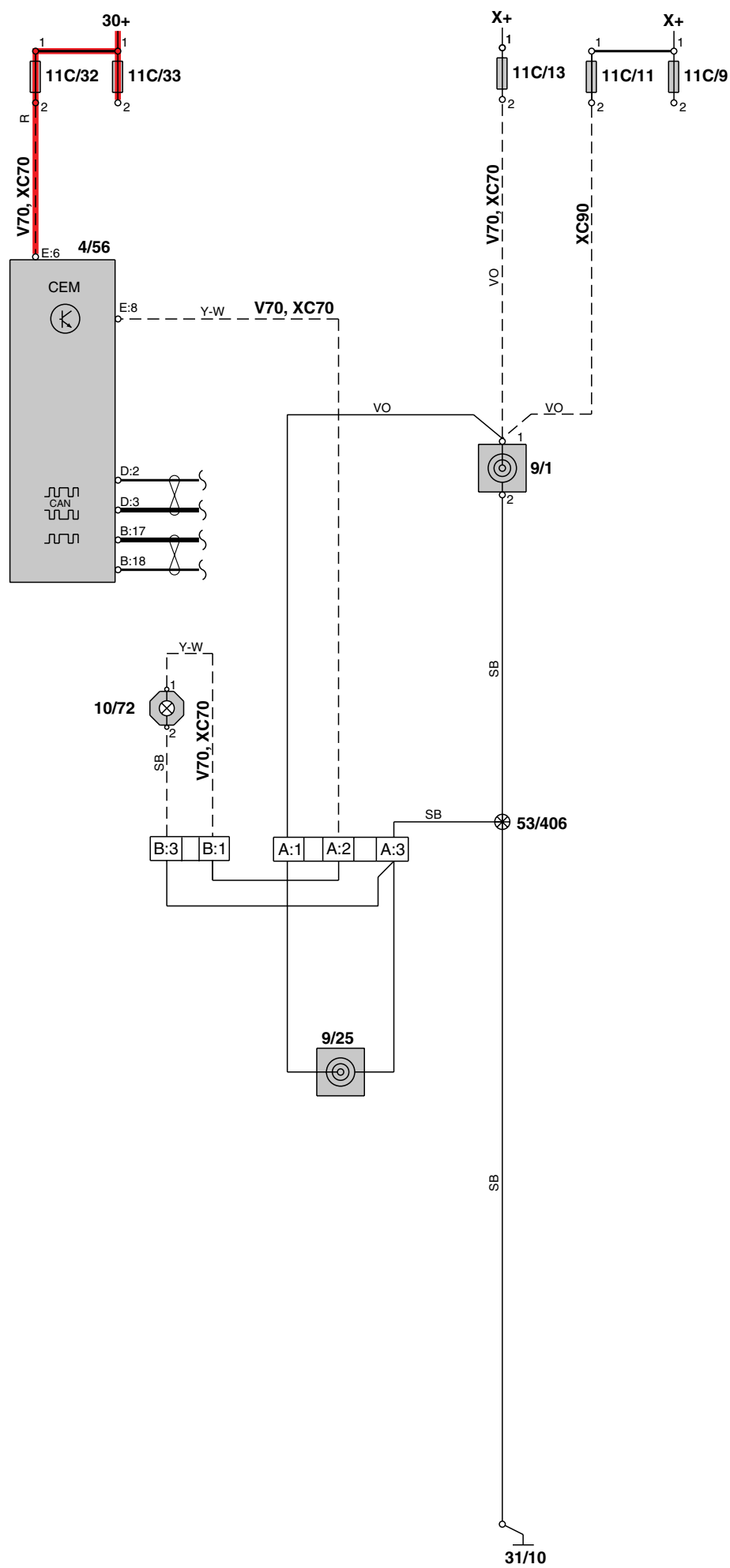


Group 37 Towing bracket wiring

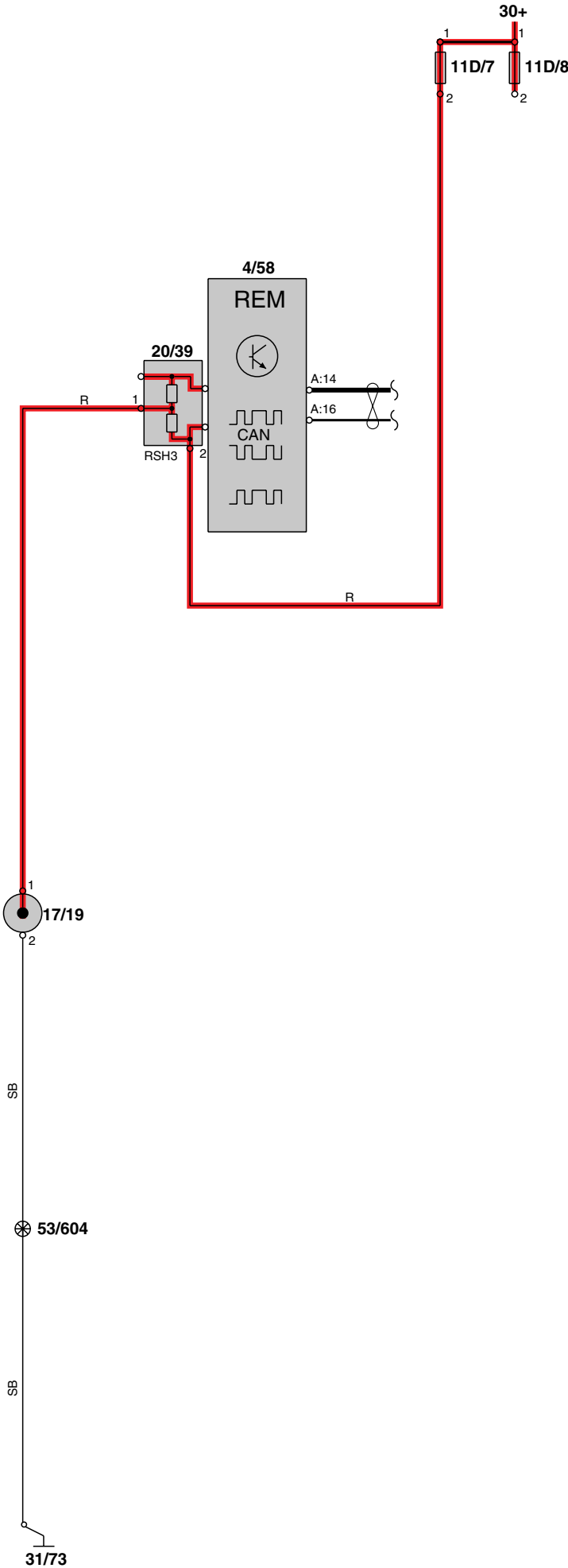


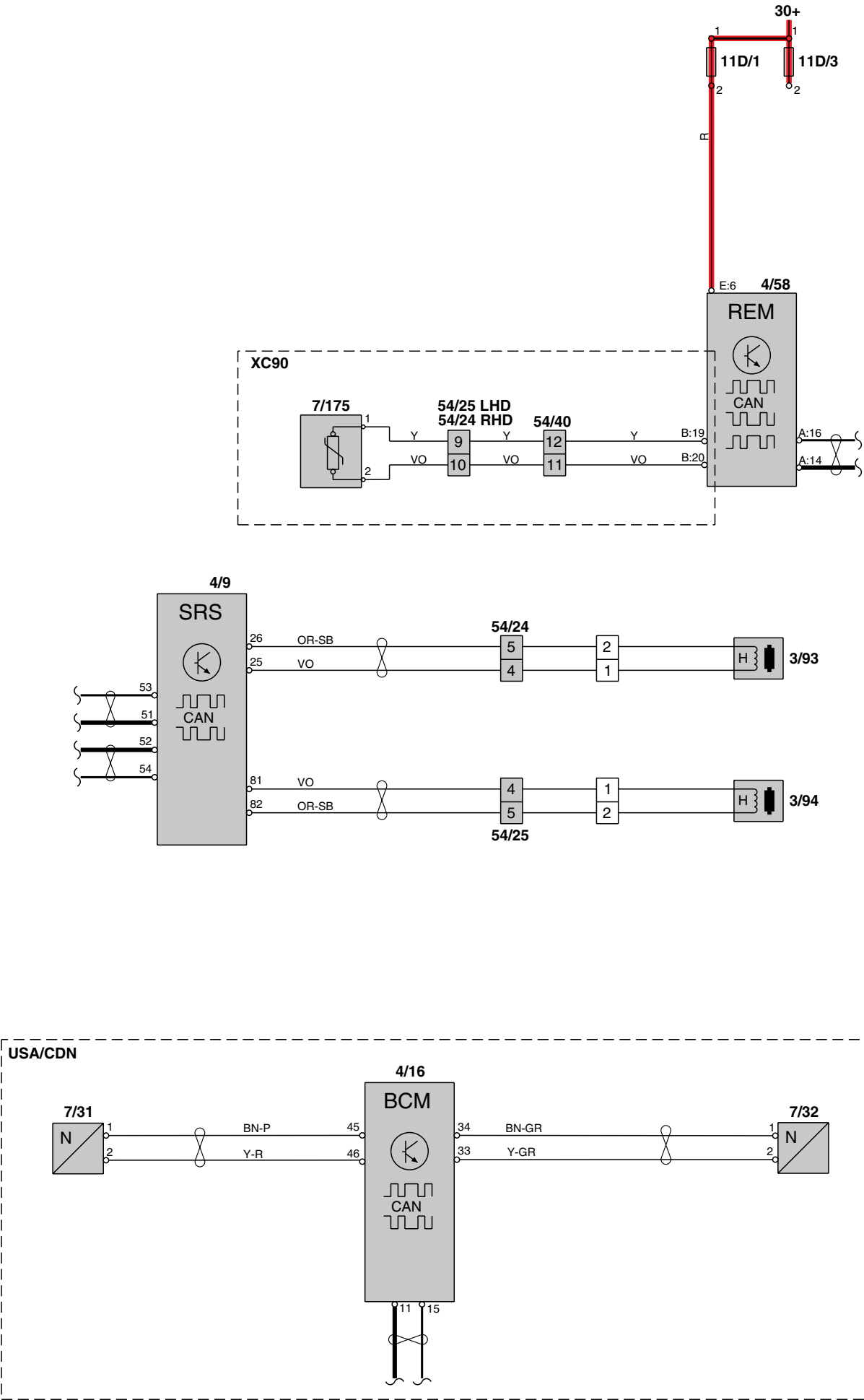
Diagnostics system



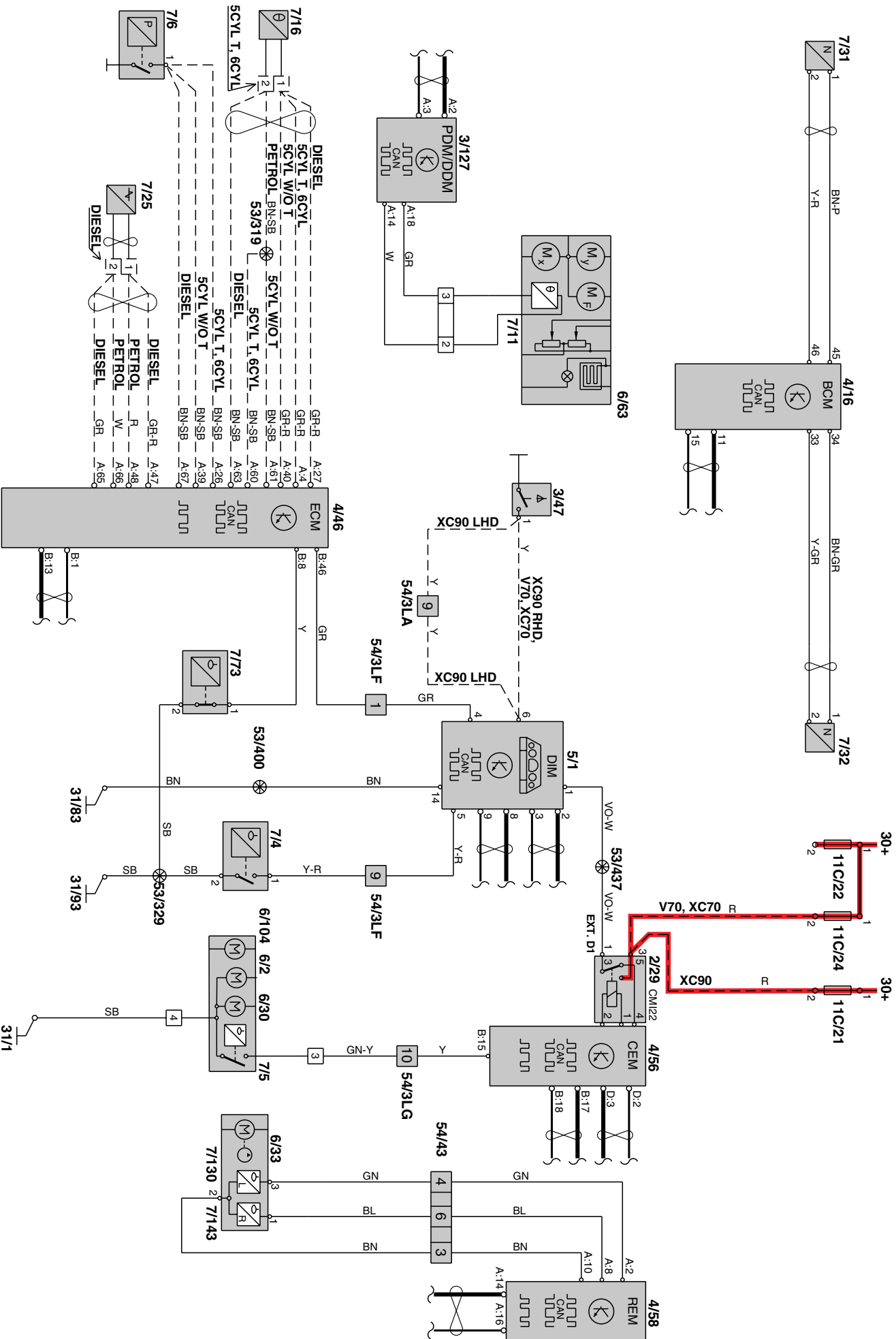


12V cargo compartment outlet

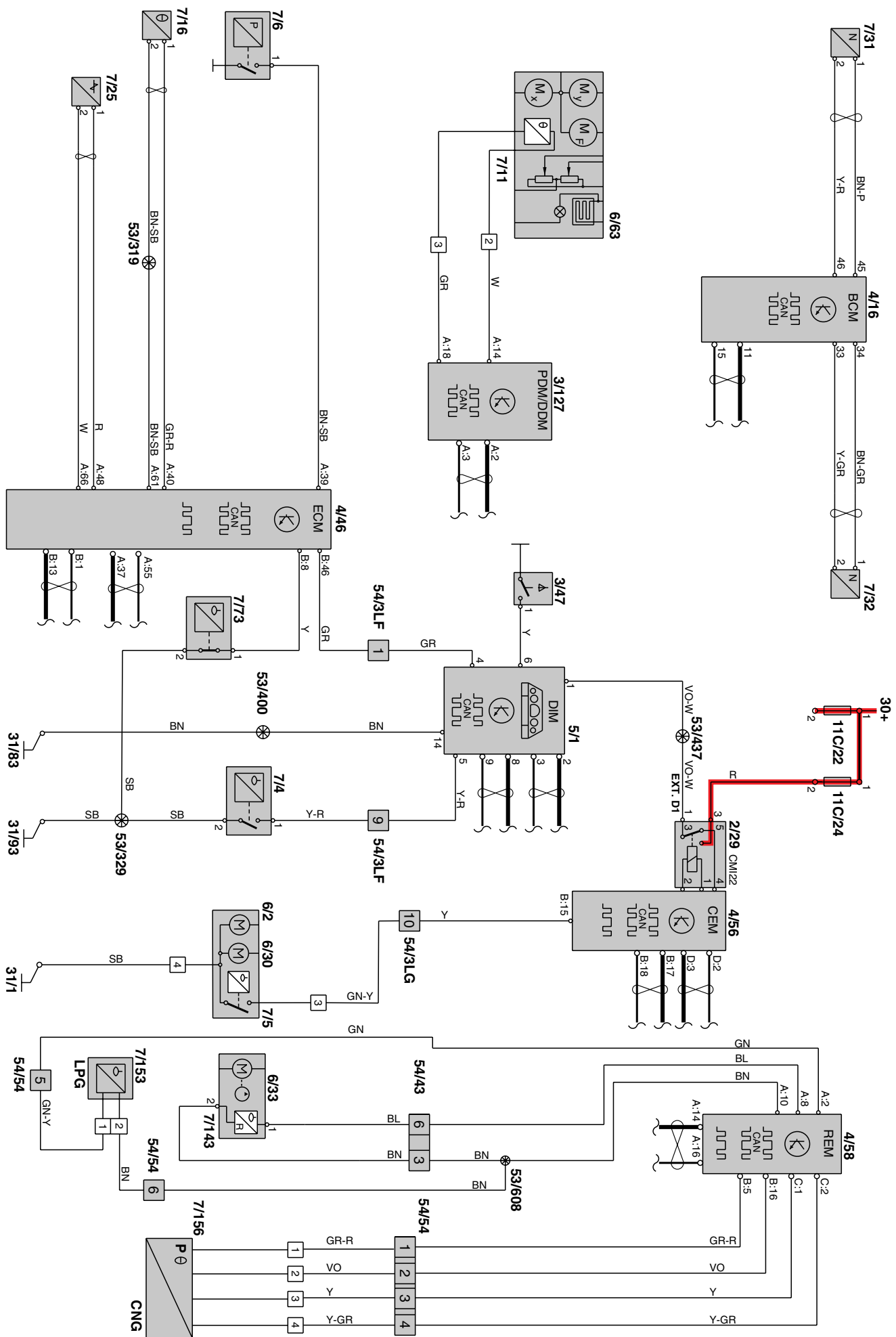




Driver information module



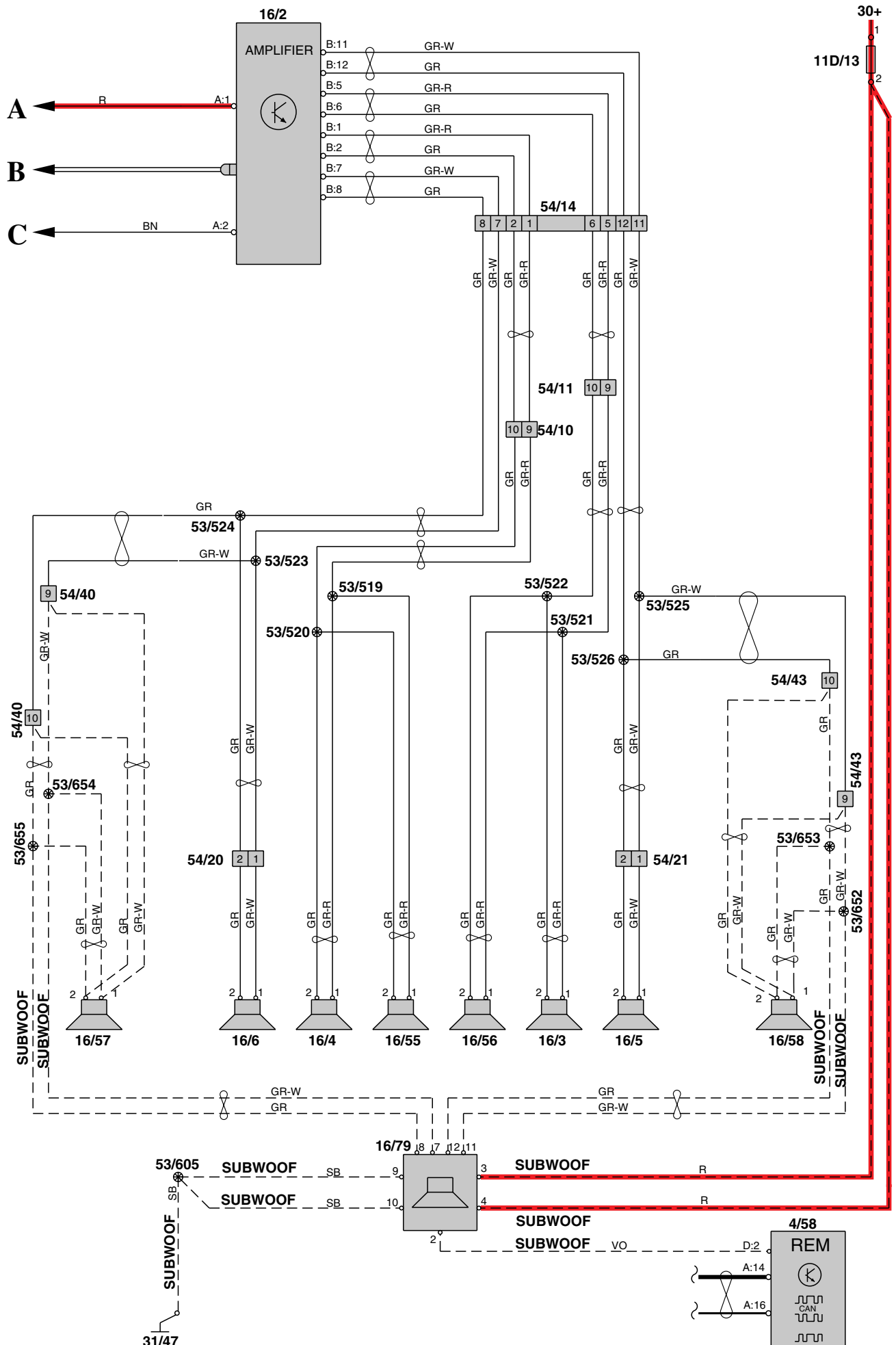
Driver information module Bifuel



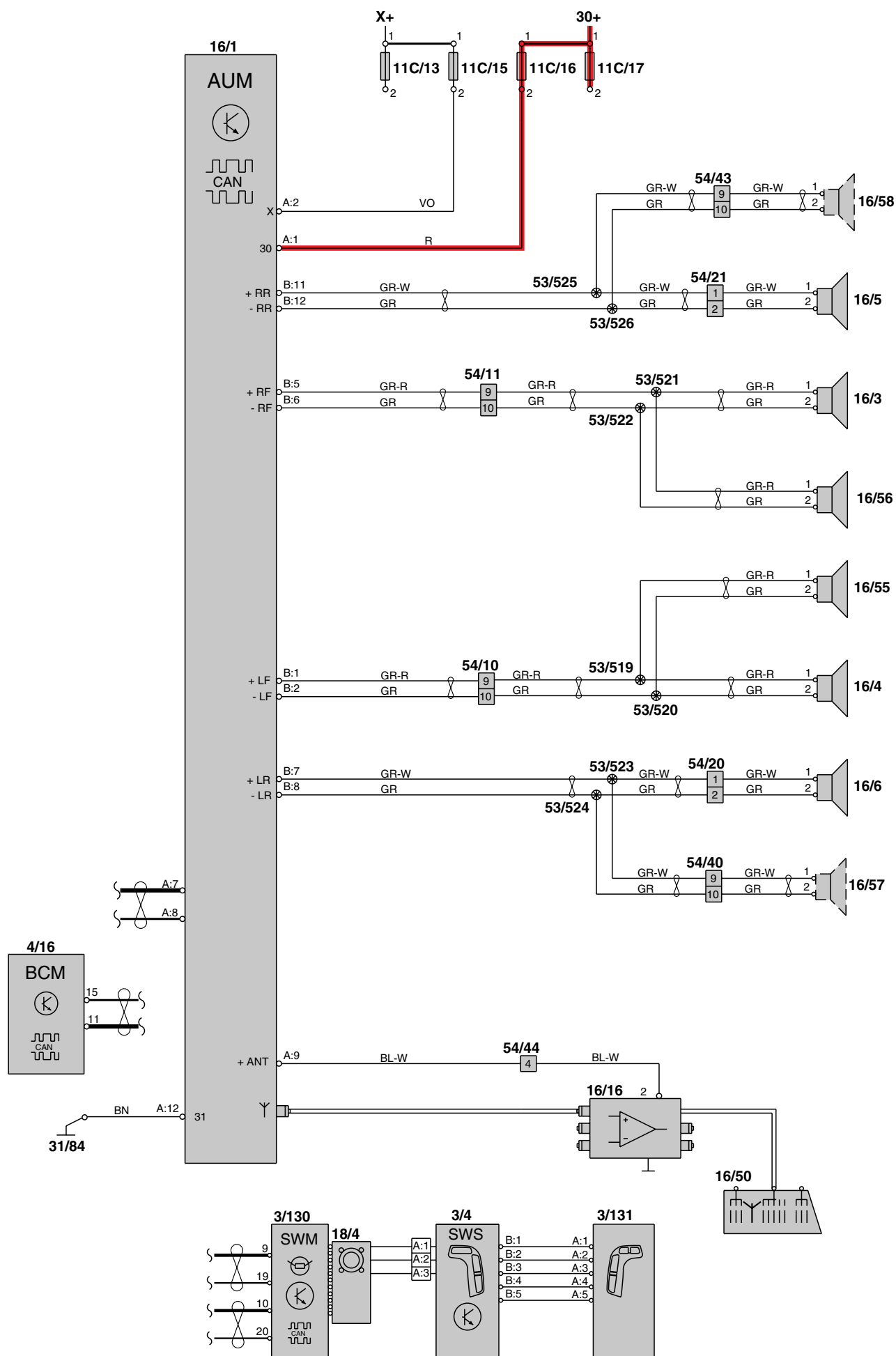
Audio with extra amplifier V70/XC70

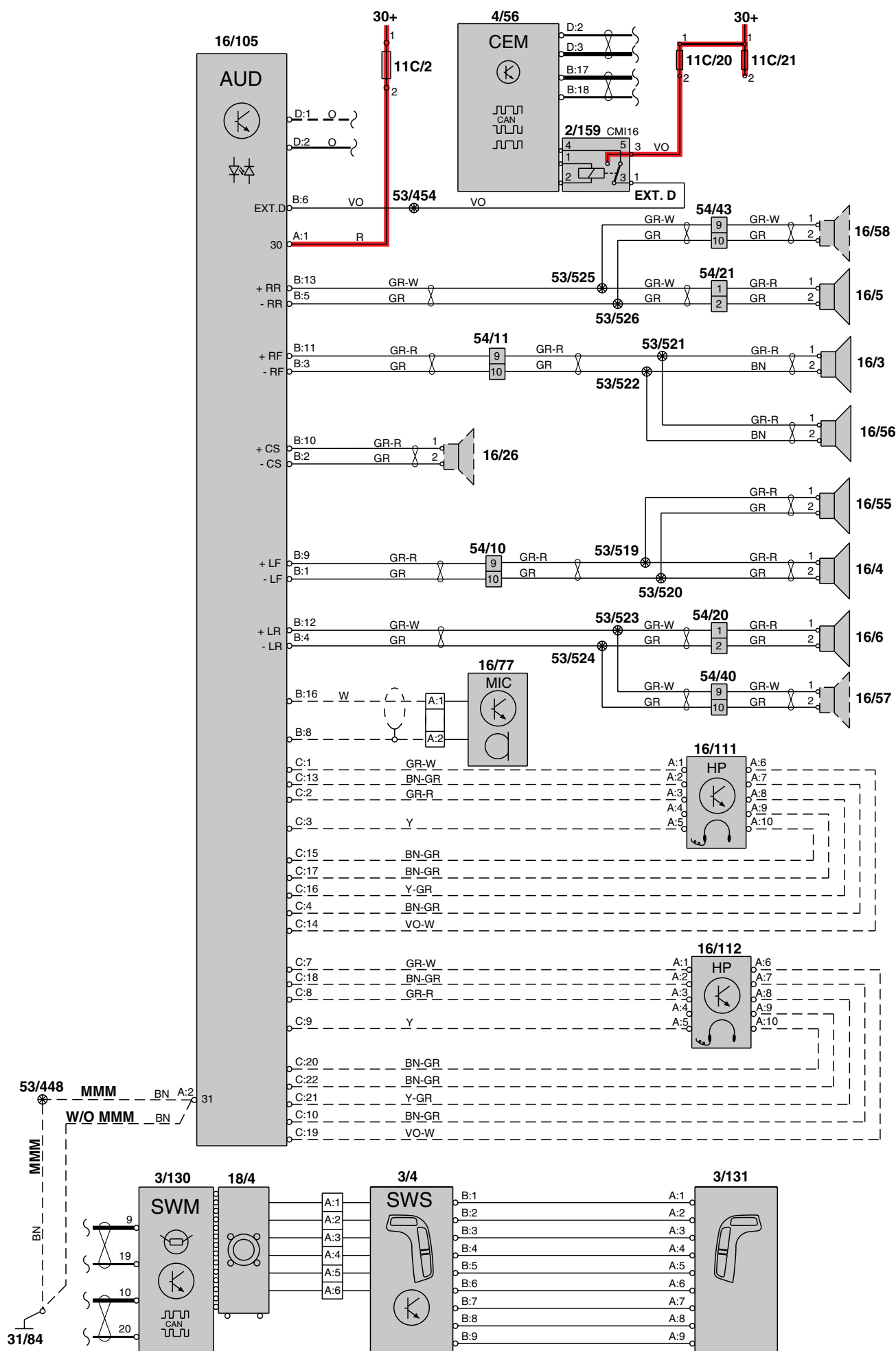


Audio with extra amplifier V70/XC70

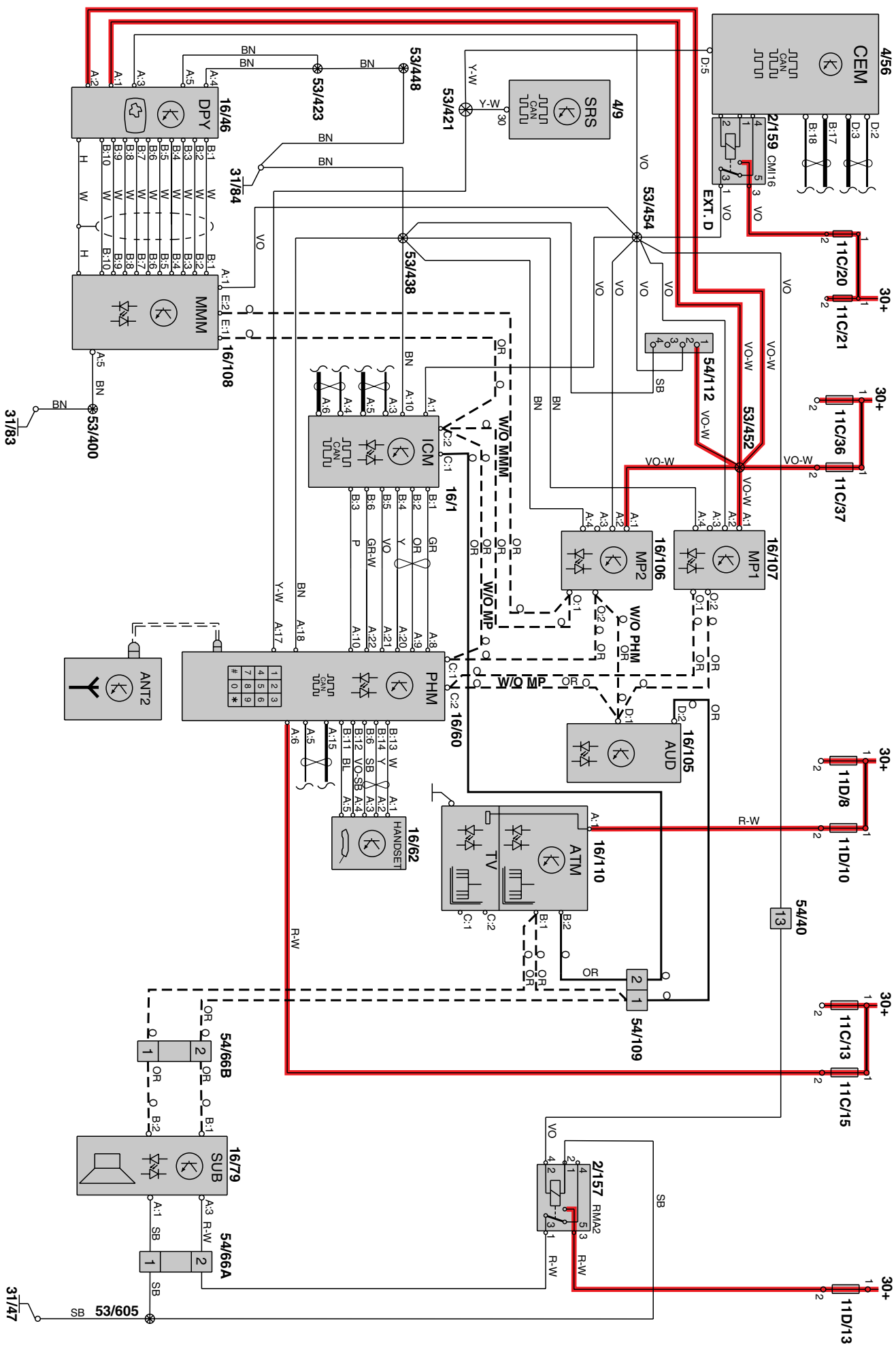


Audio without extra amplifier V70/XC70

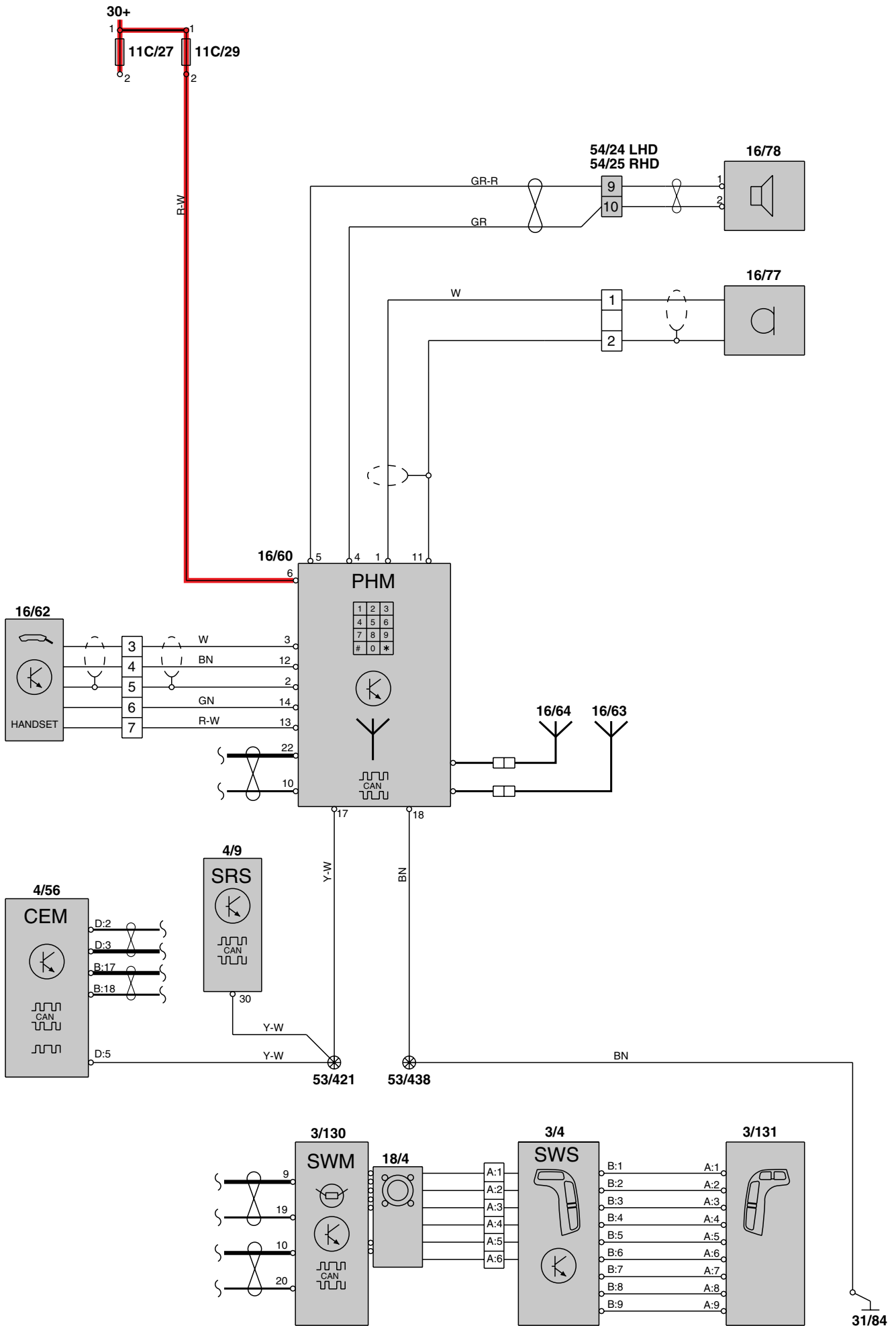




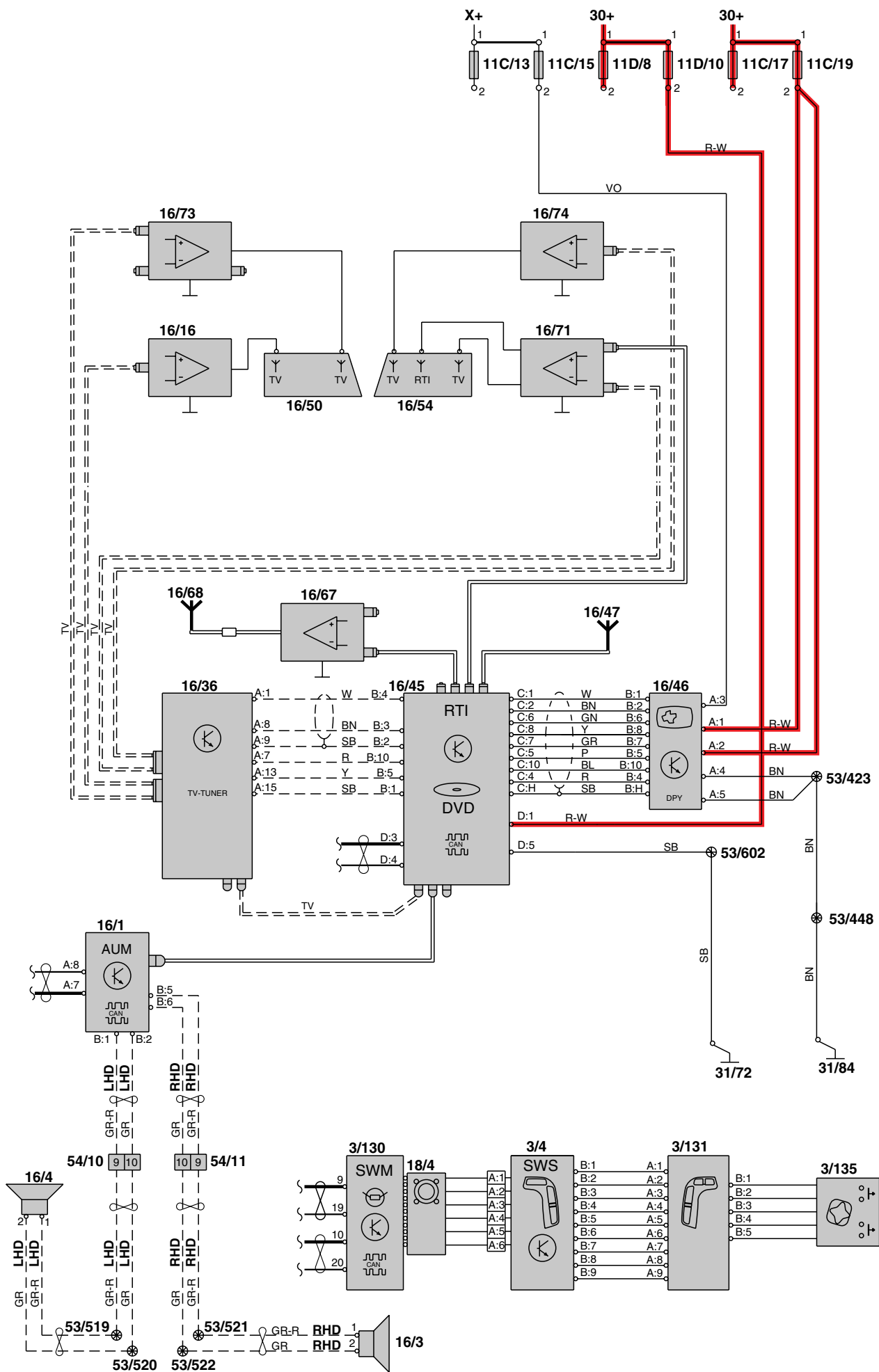
104

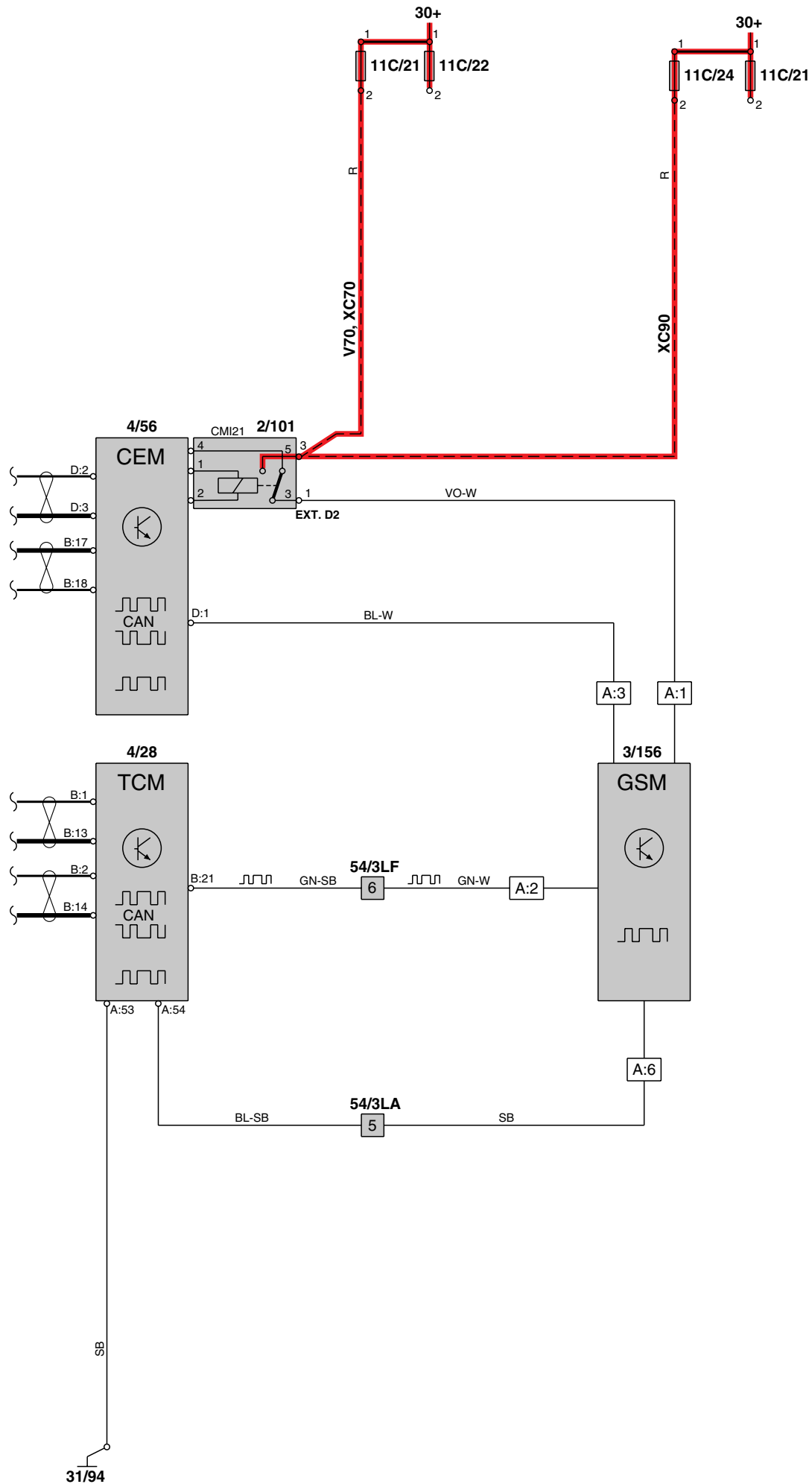


Mobile telephone V70/XC70

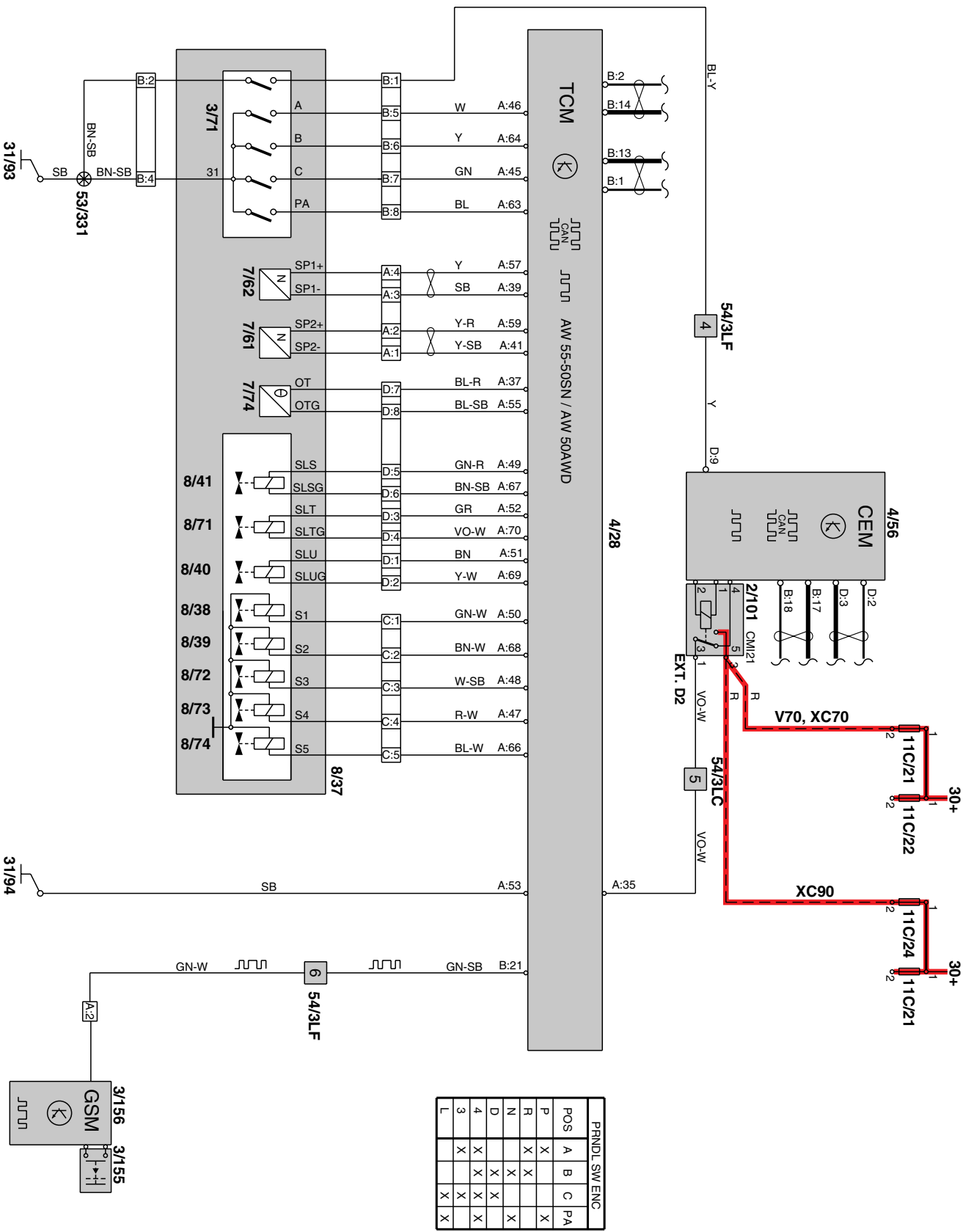


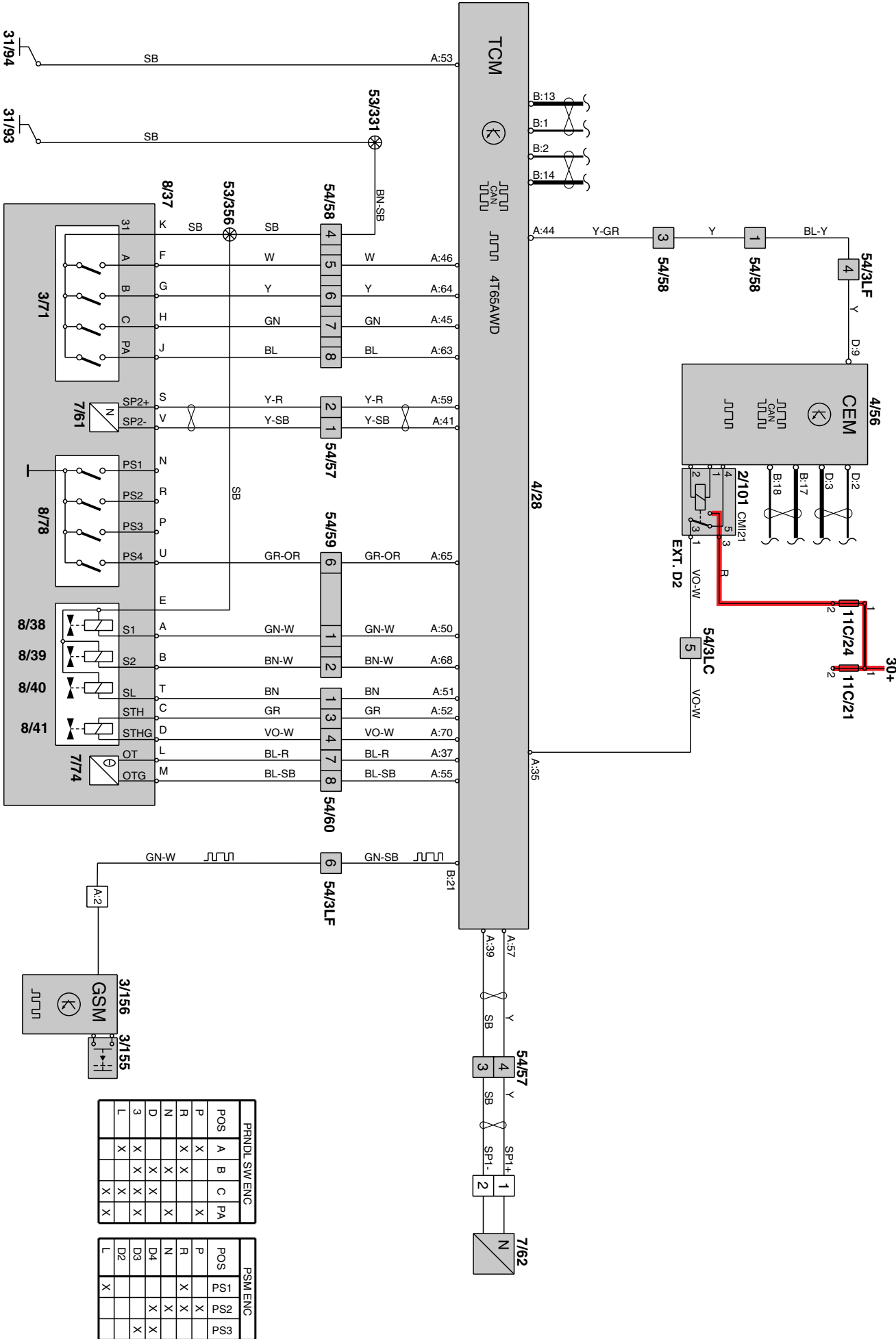
Road Traffic Information RTI V70/XC70



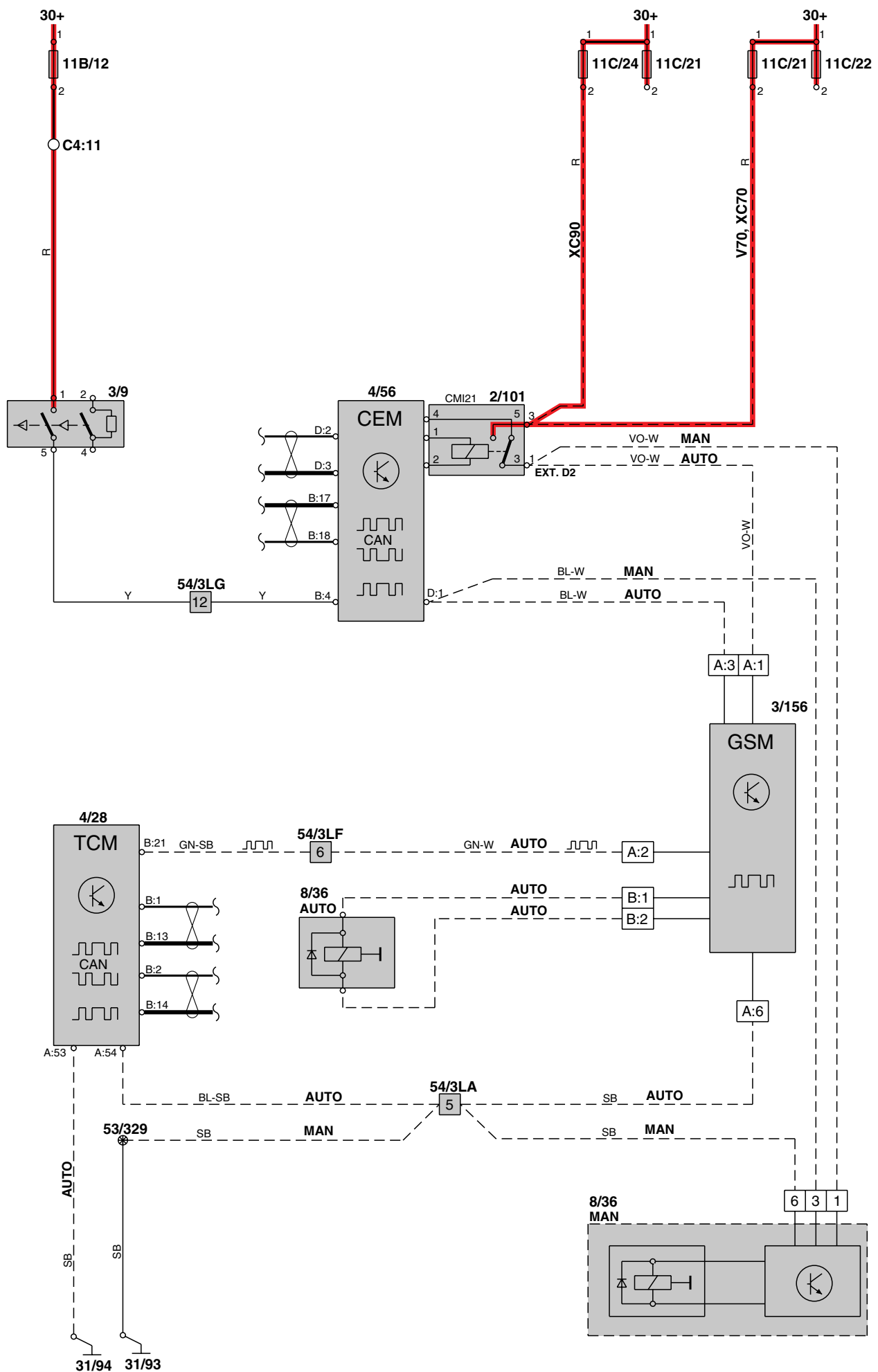


Automatic transmission, AW55-50SN/AW50AWD

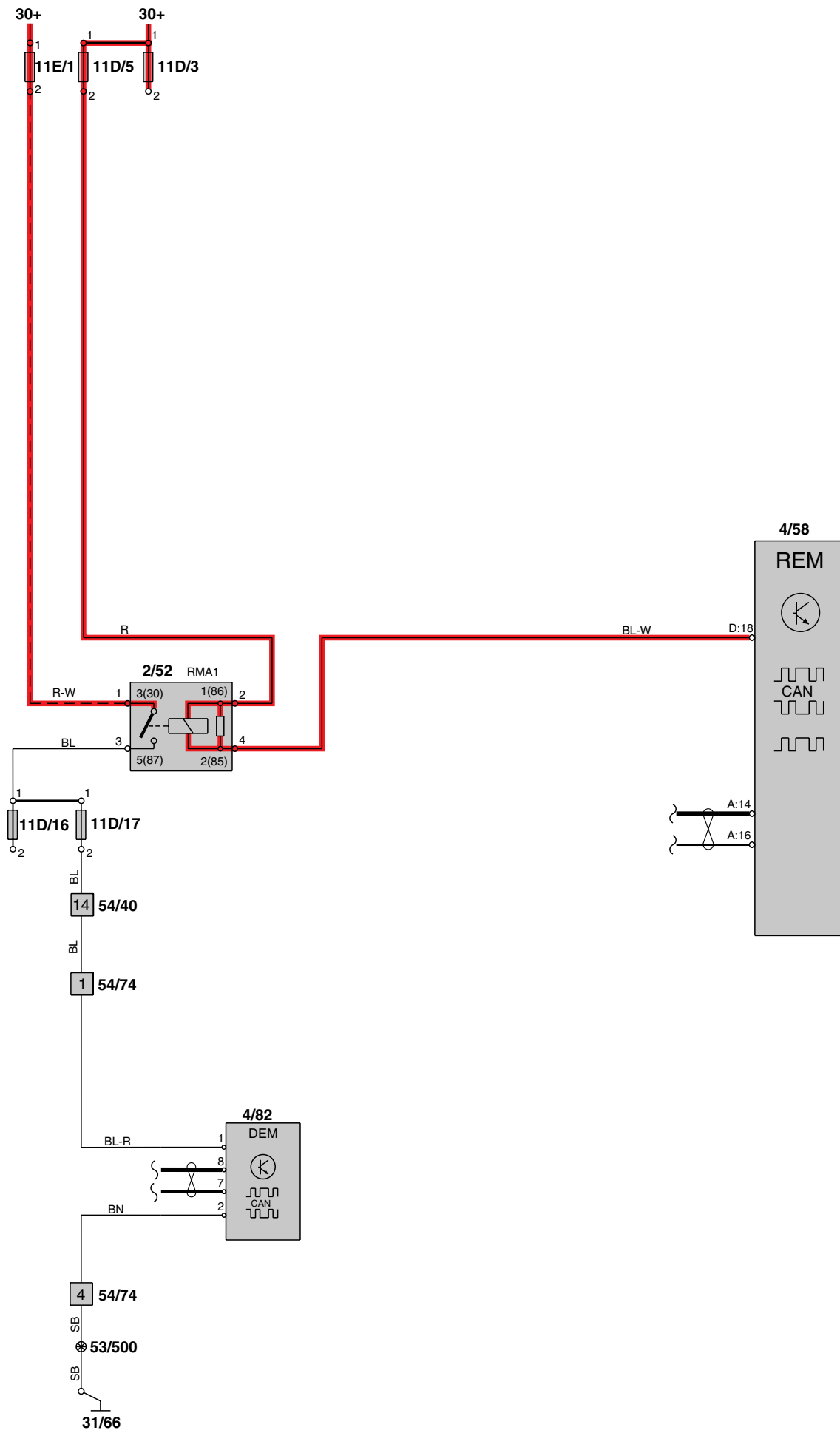




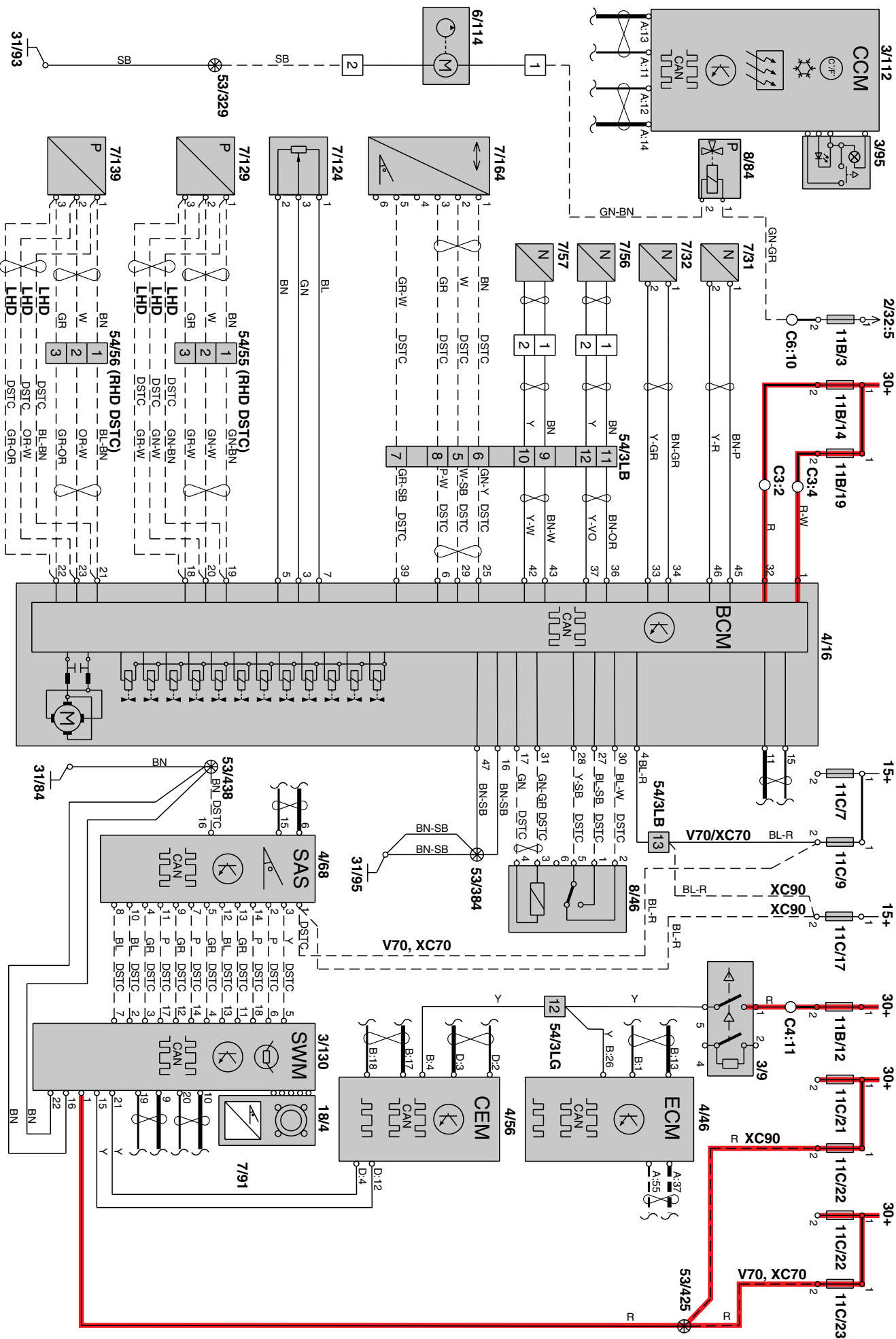
Shift lock



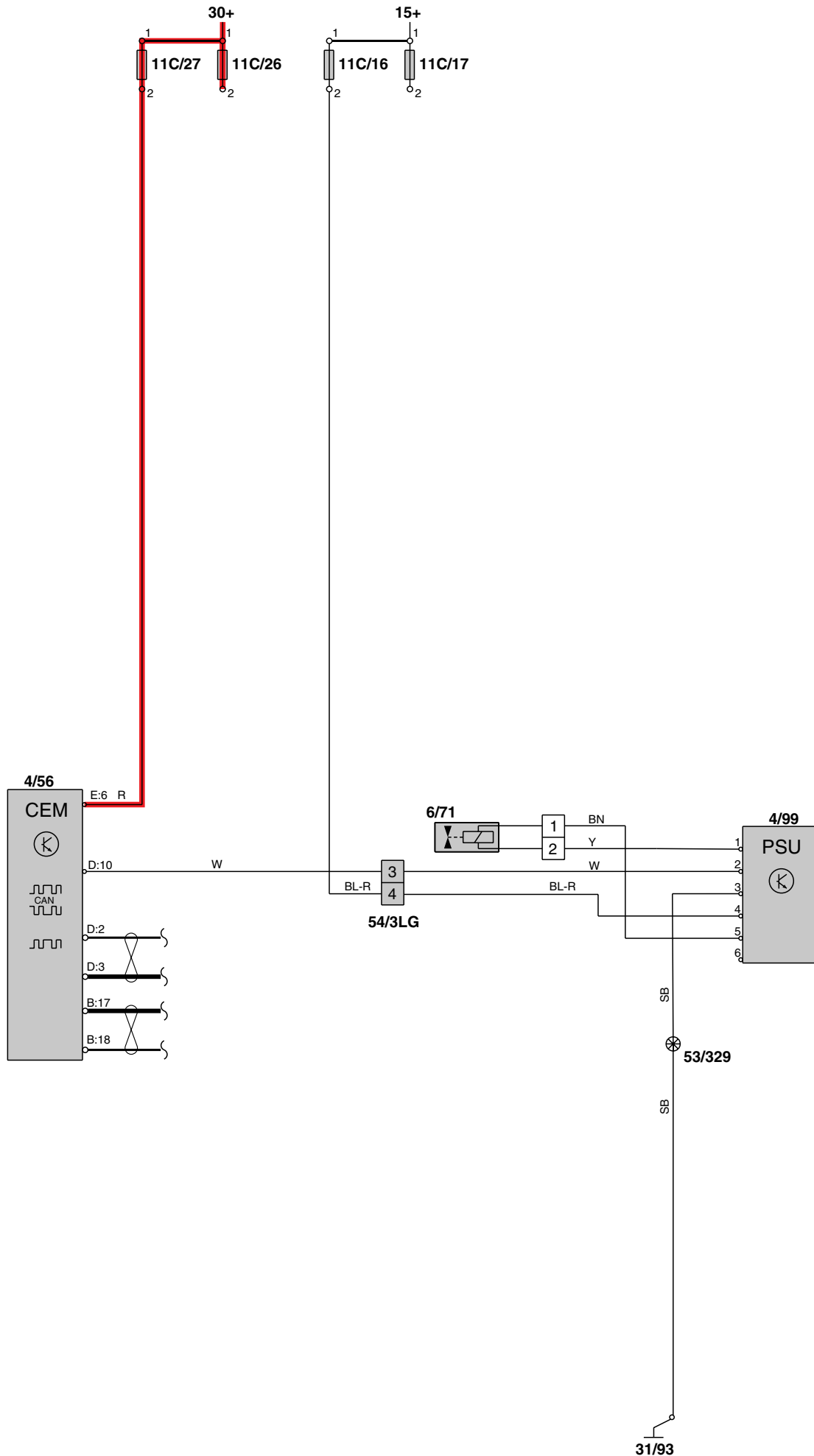
Differential Electronic Module (DEM)



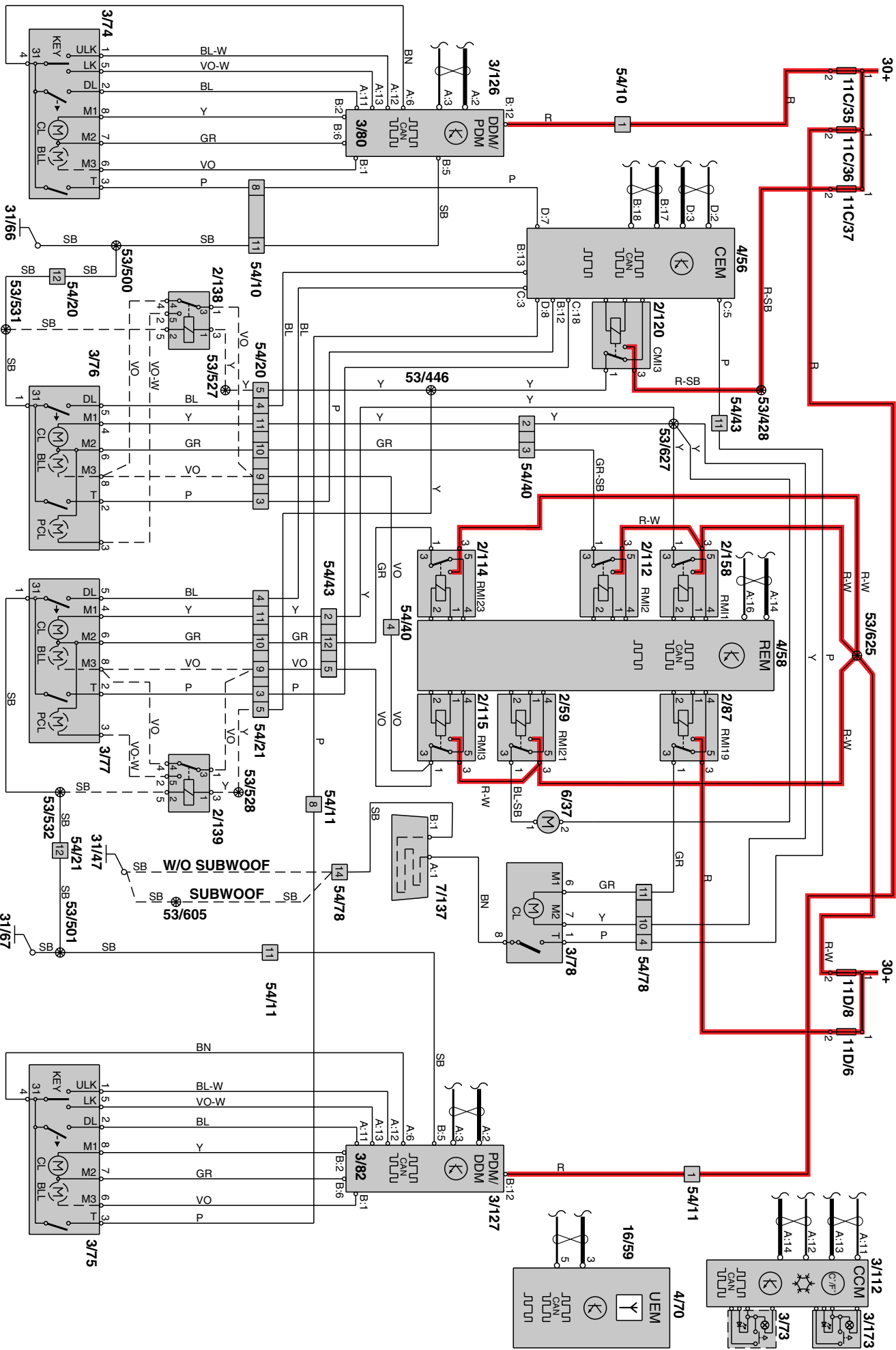
Brake Control Module (BCM)



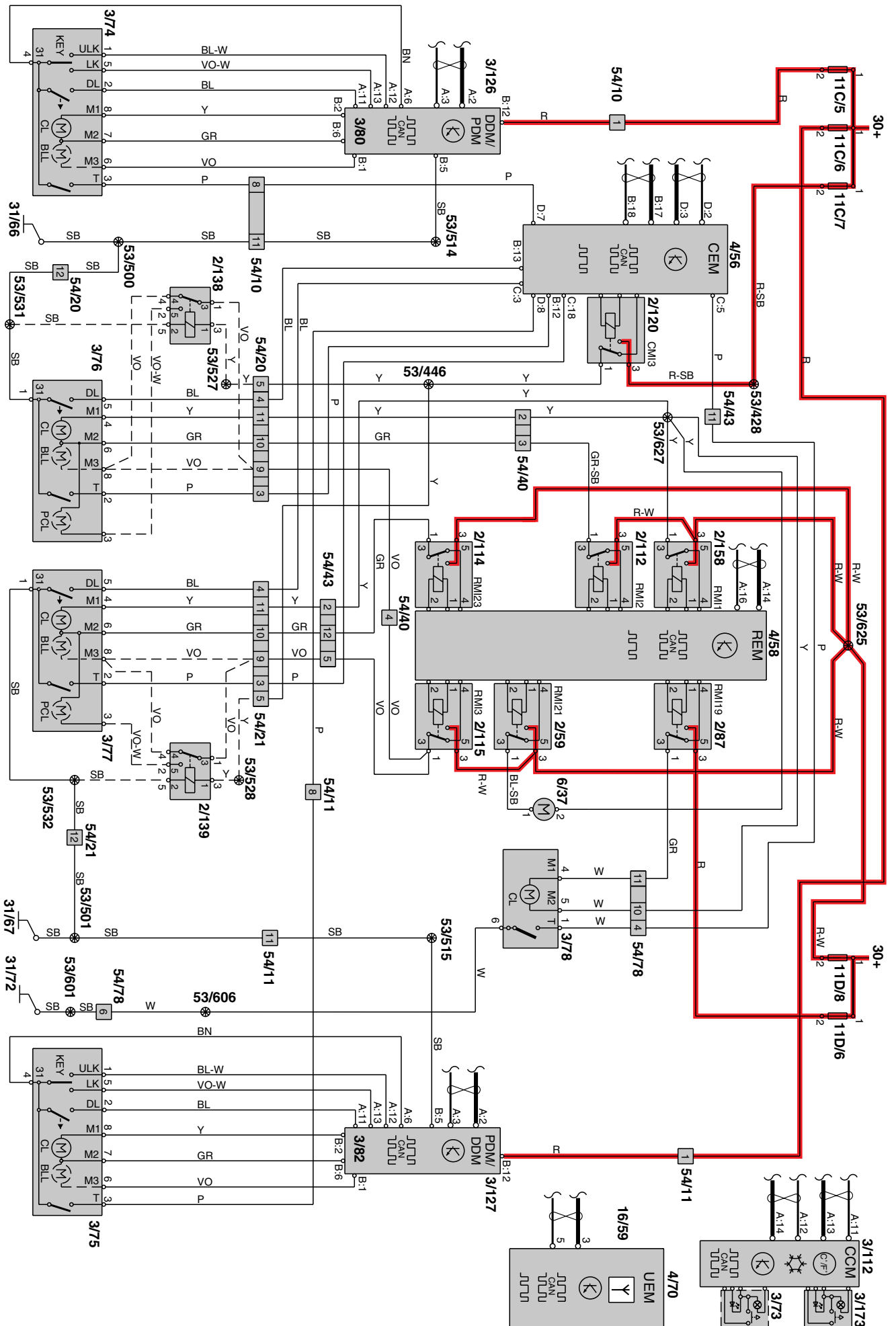
Group 64 Electronic power steering XC90



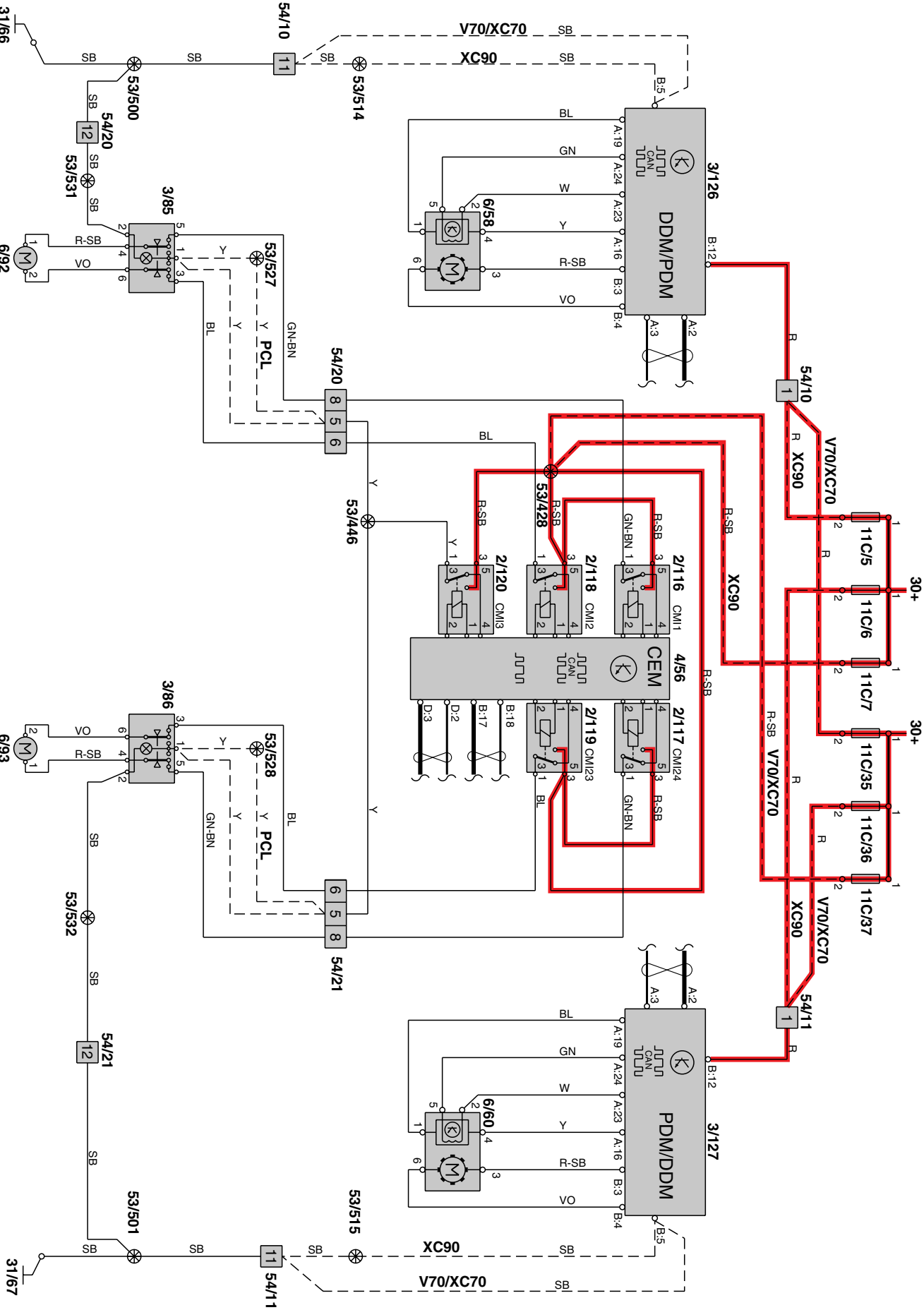
Group 83 Central locking system V70/XC70

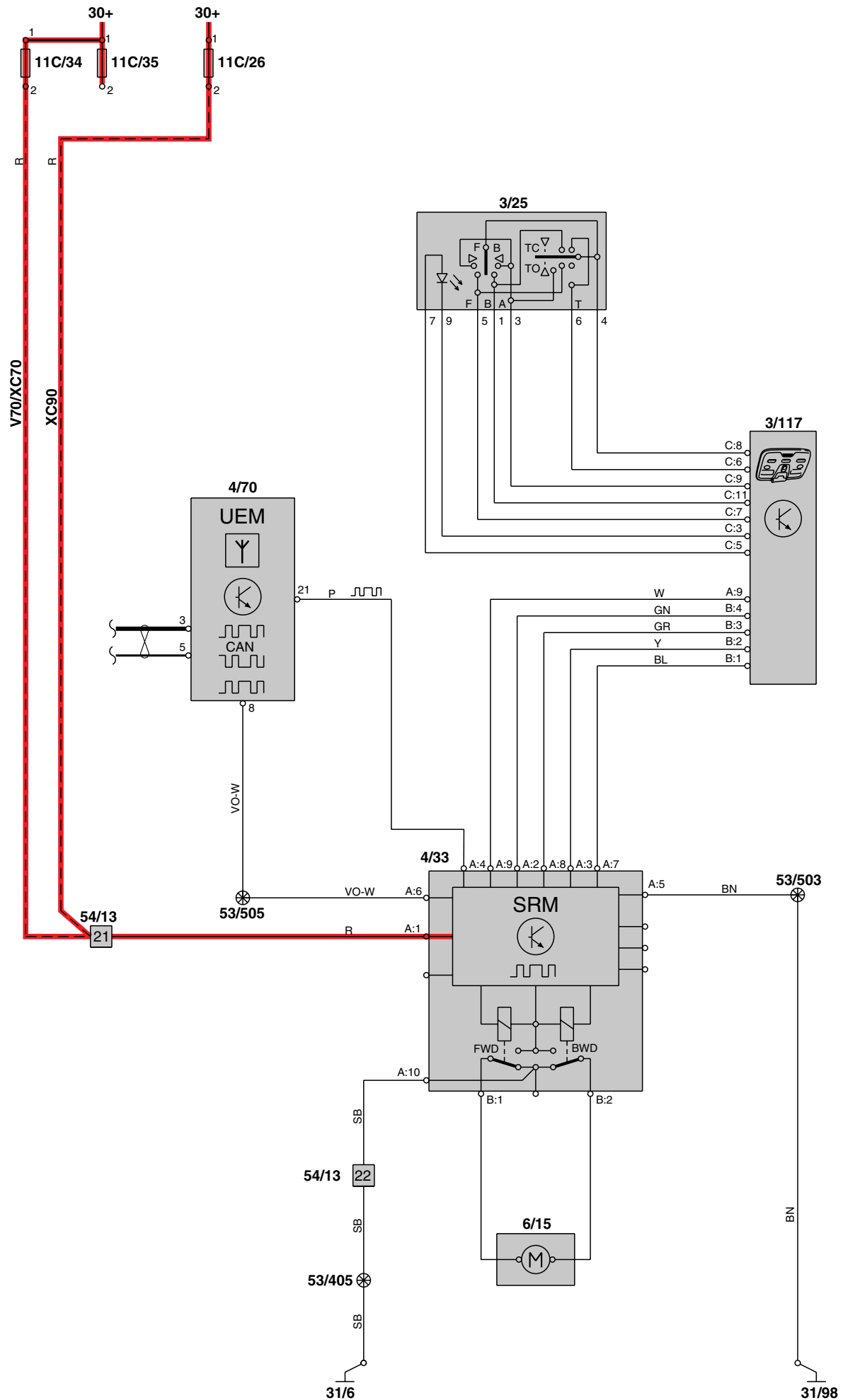


Central locking system XC90



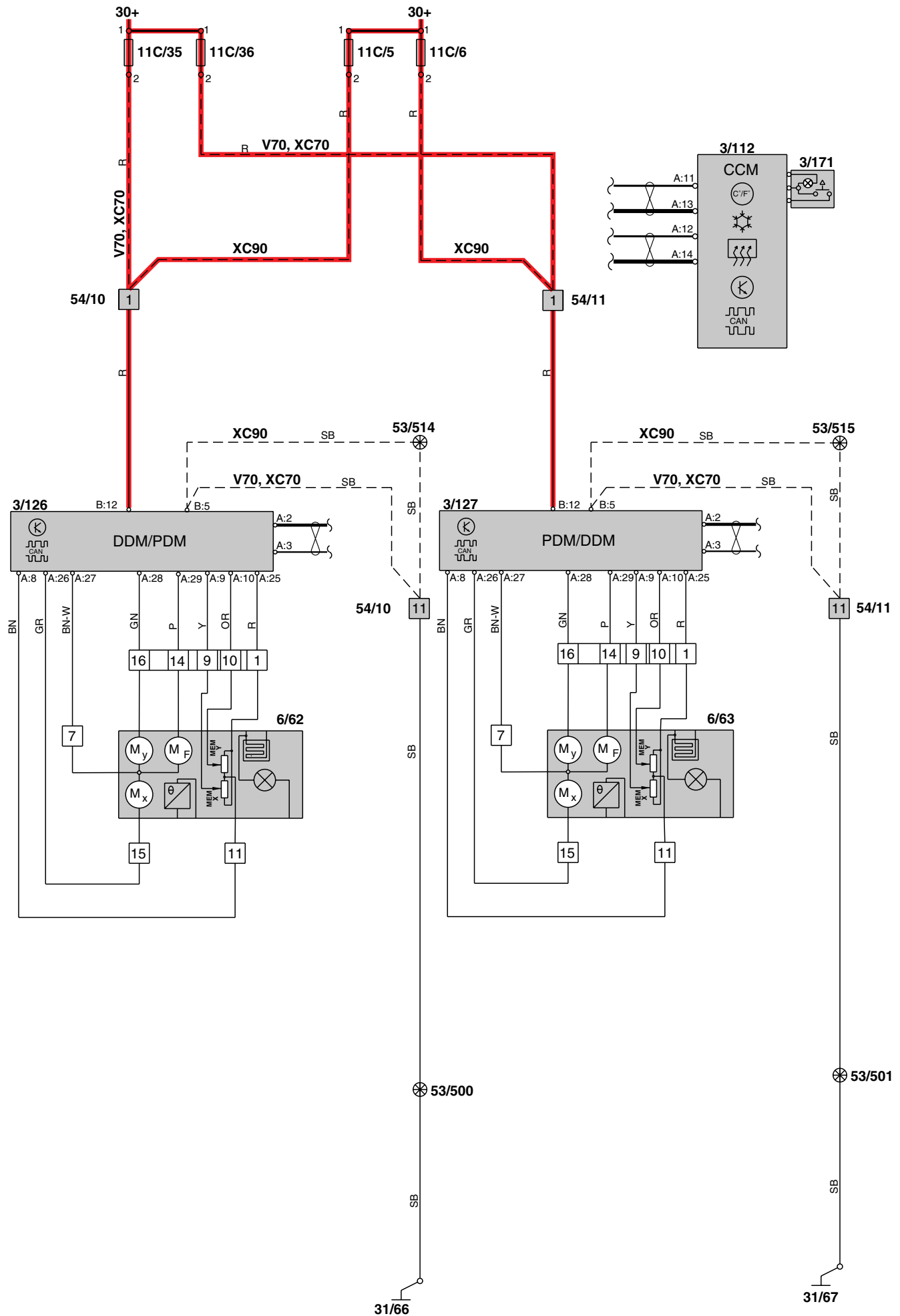
Power windows



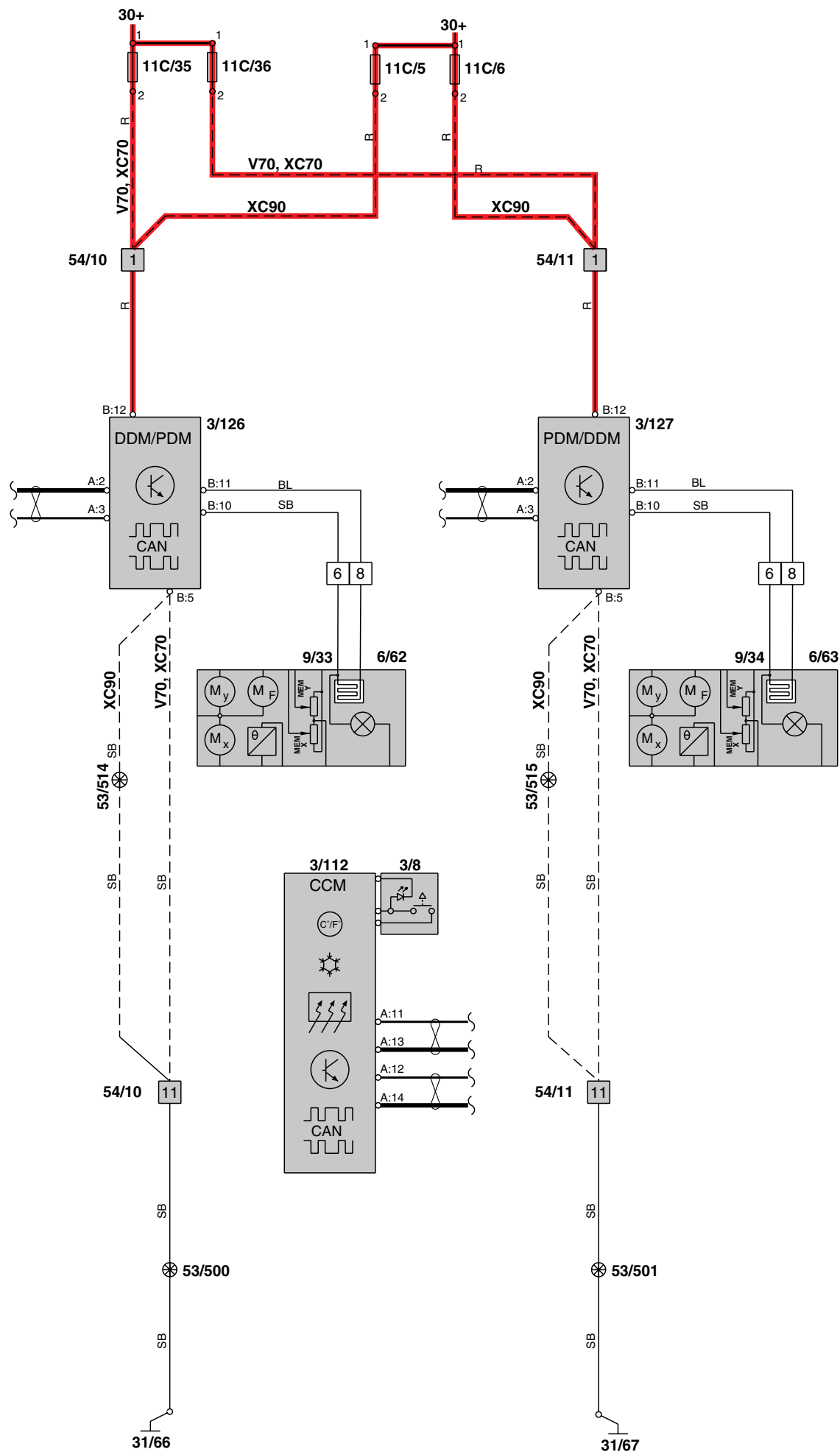


Group 84

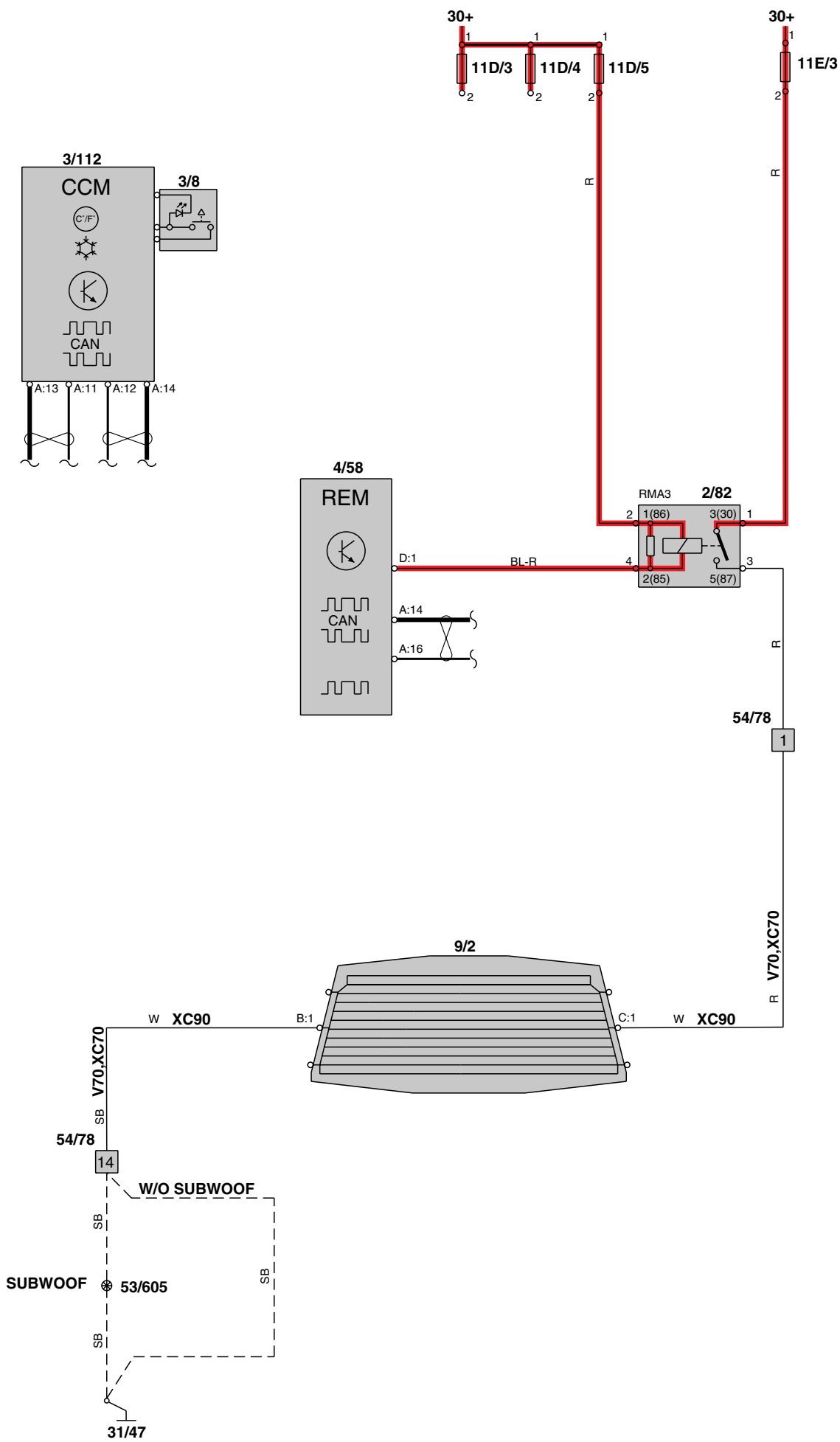
Power door mirrors



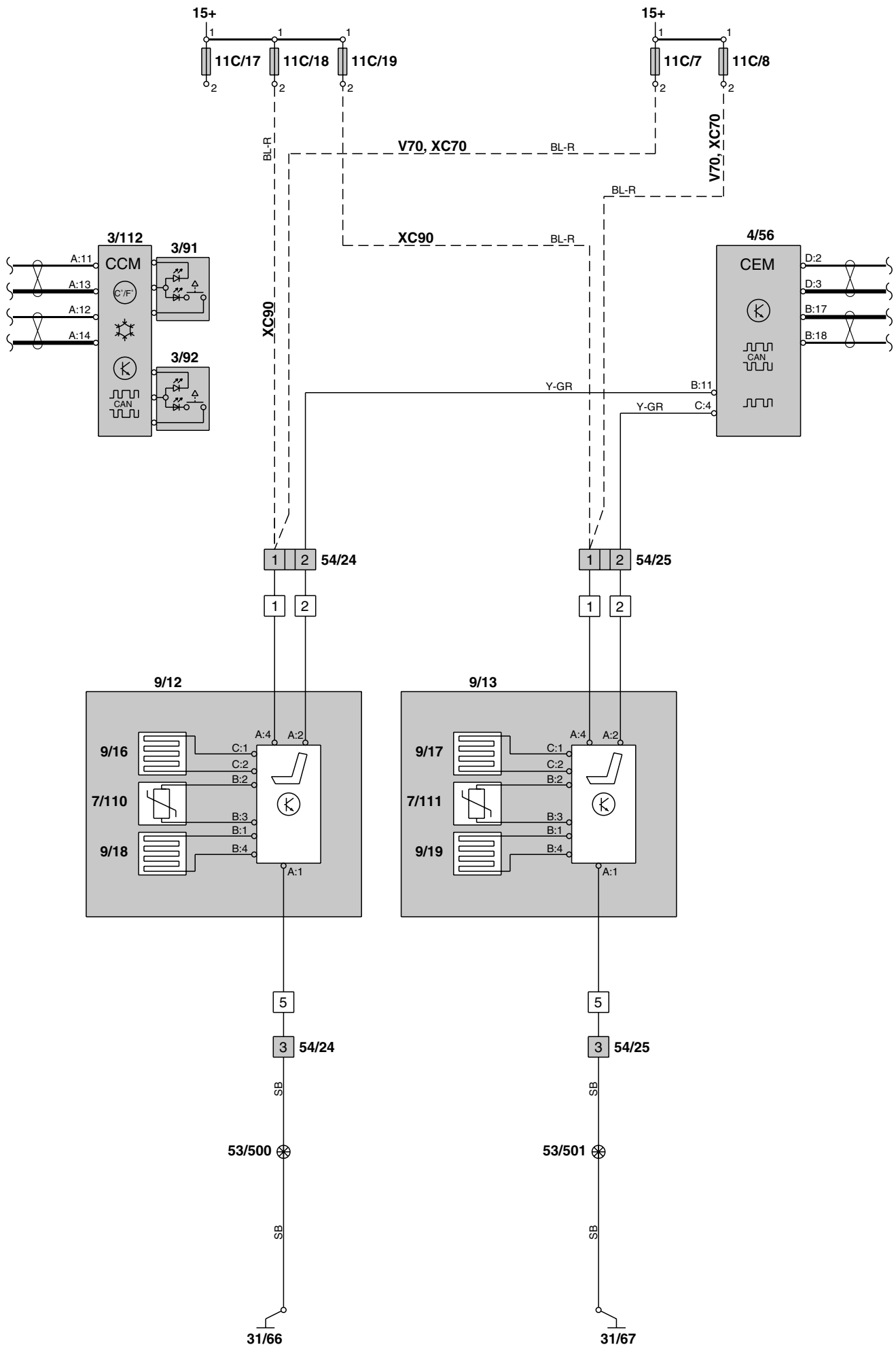
Heated door mirrors



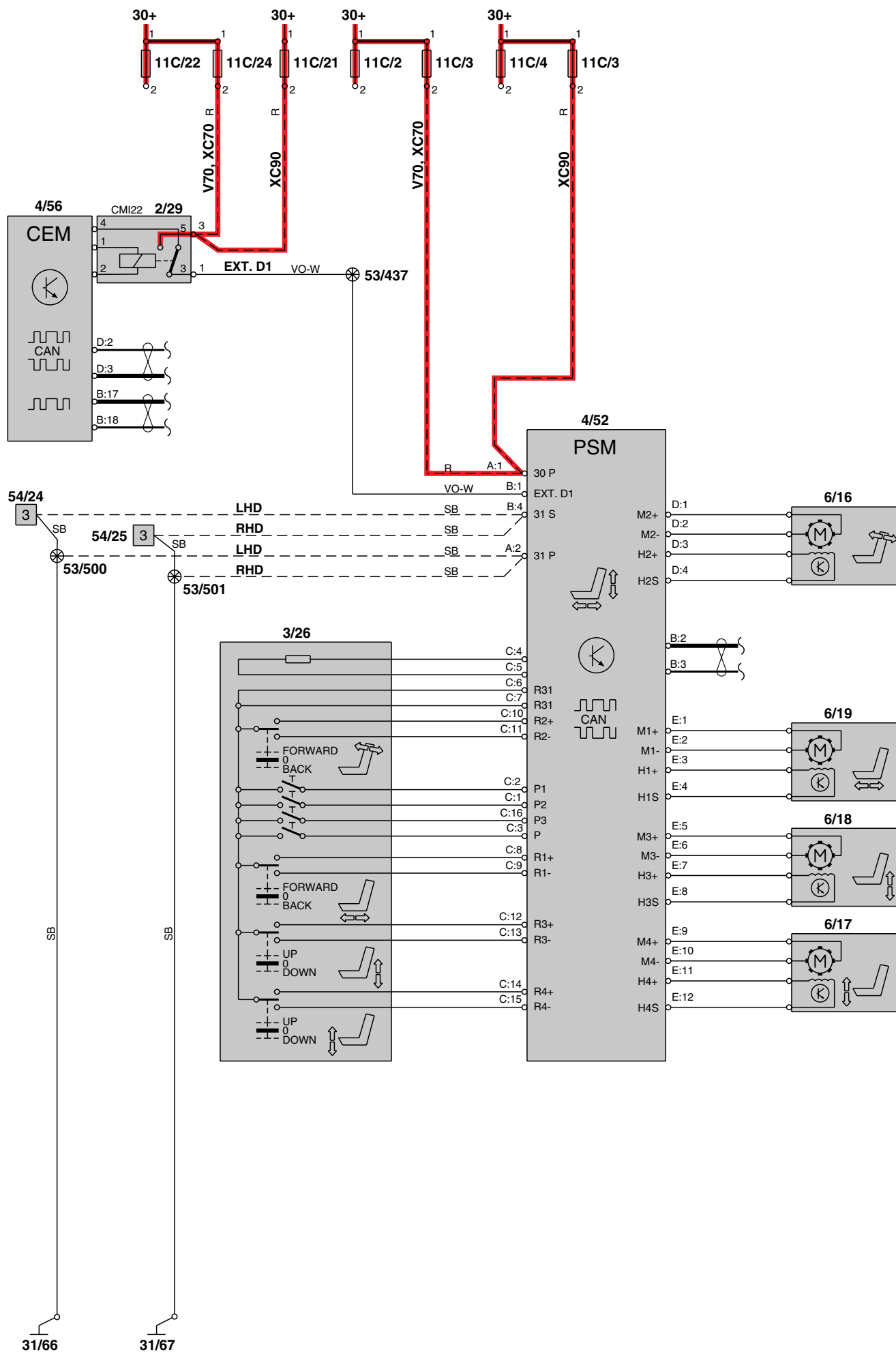
Heated rear window



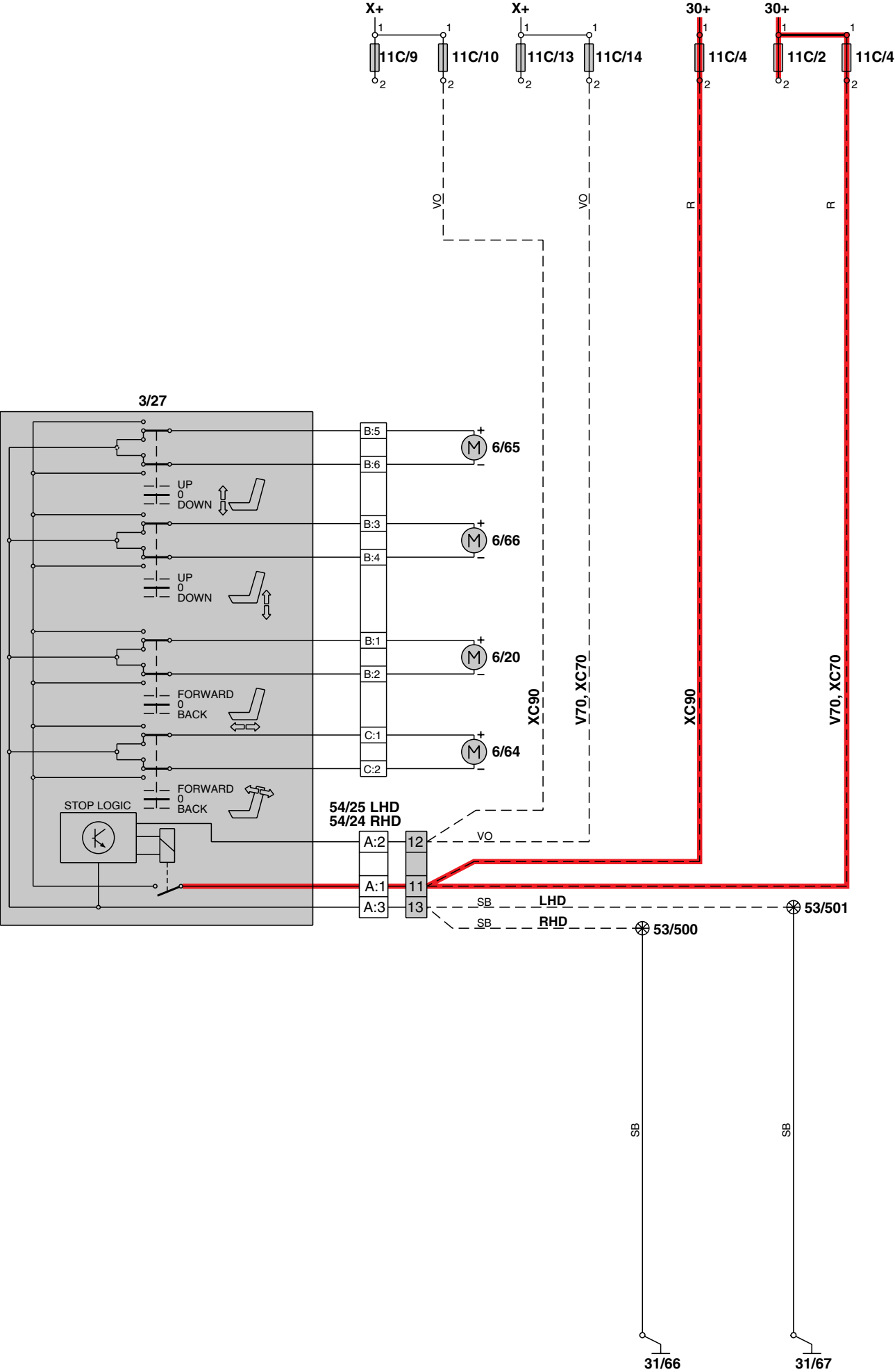
Group 85 Heated seats



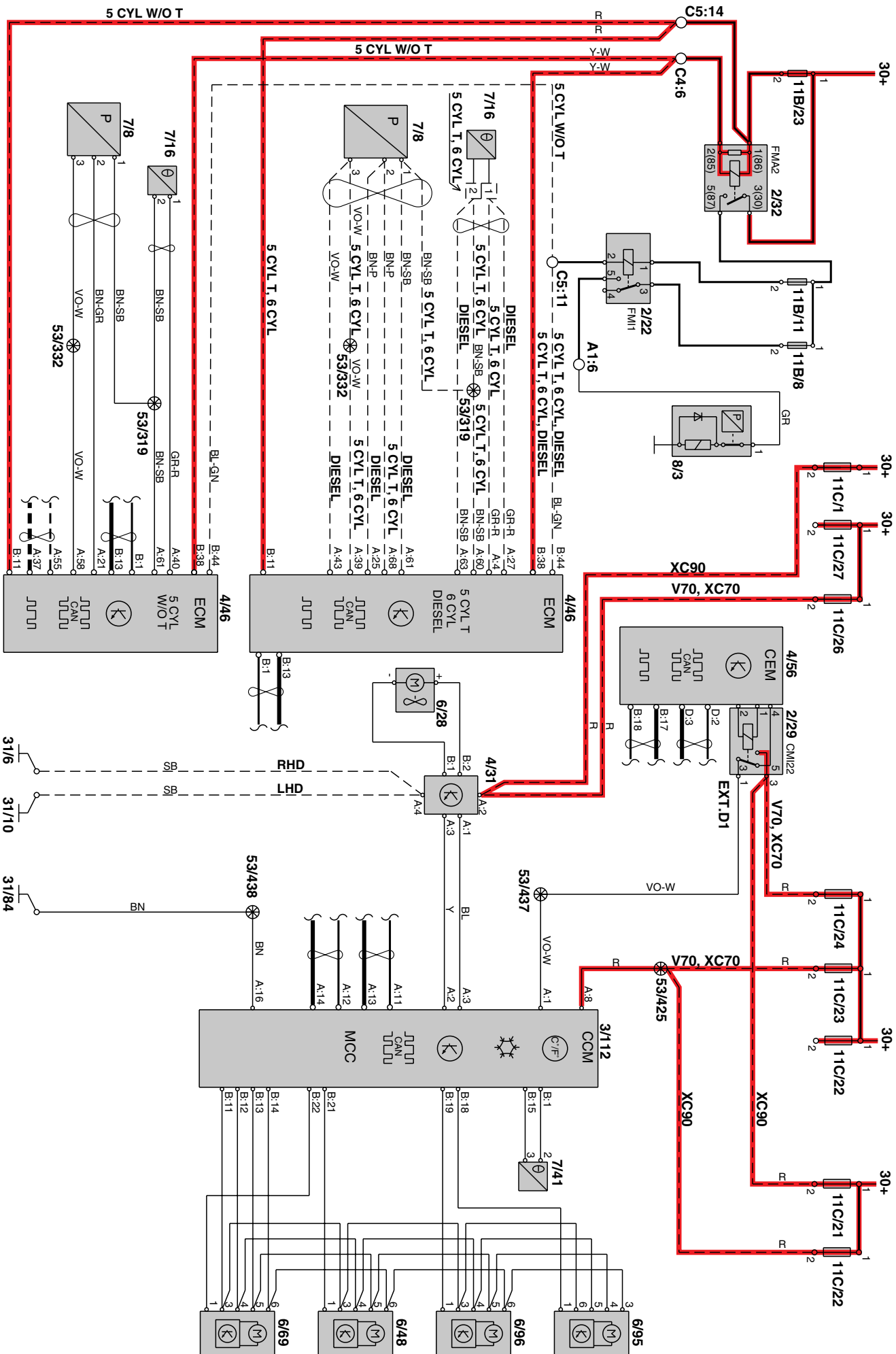
Power driver's seat



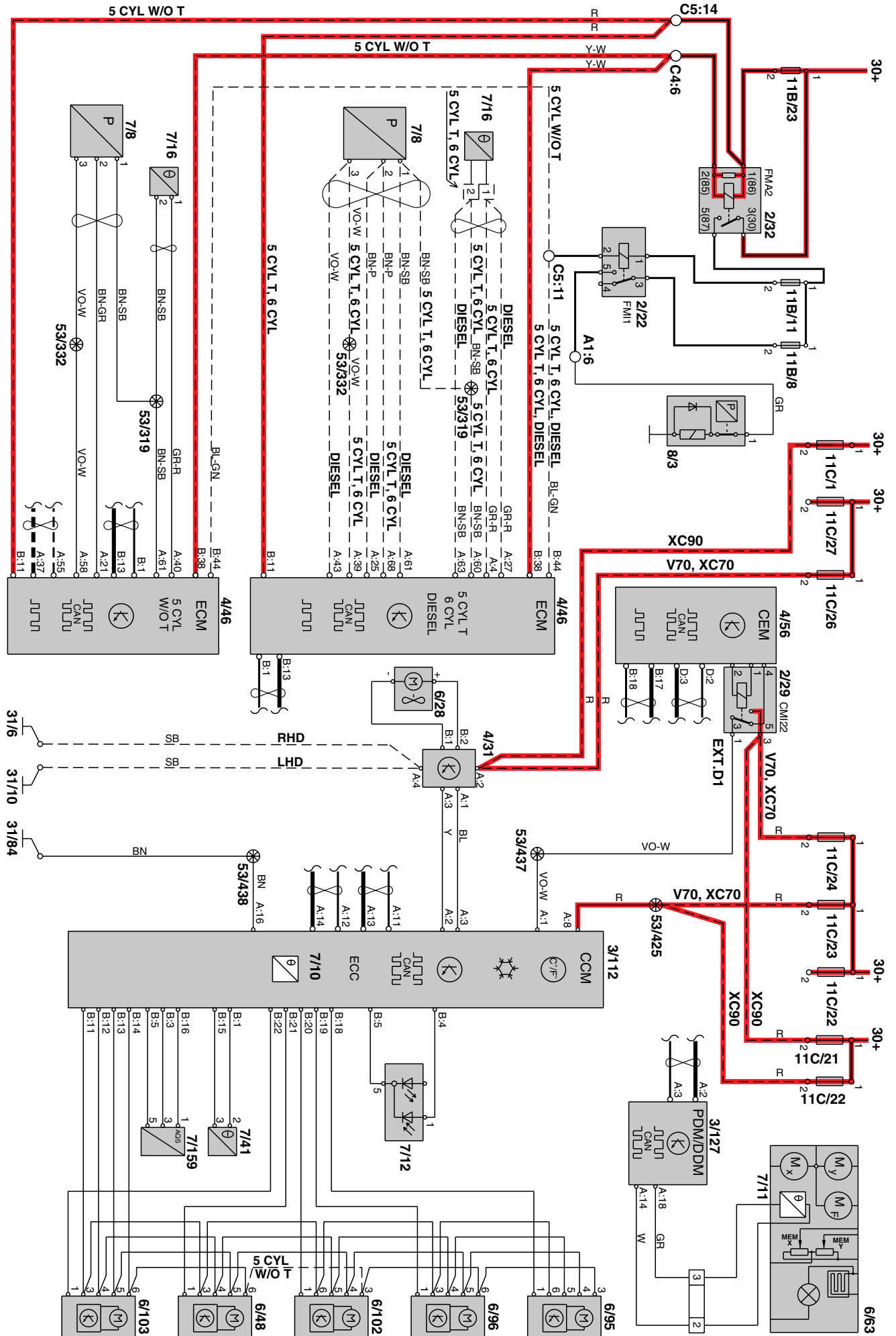
Power passenger seat



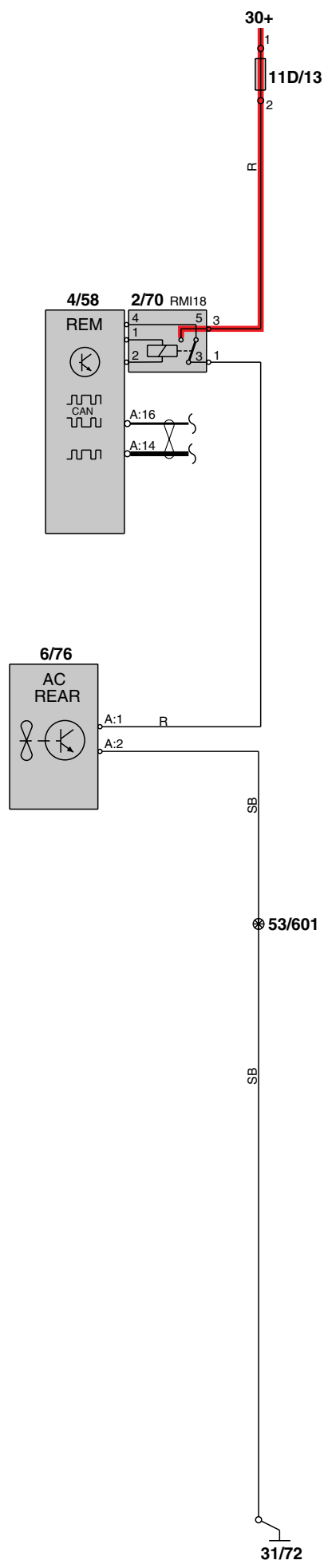
Manual Climate Control (MCC)



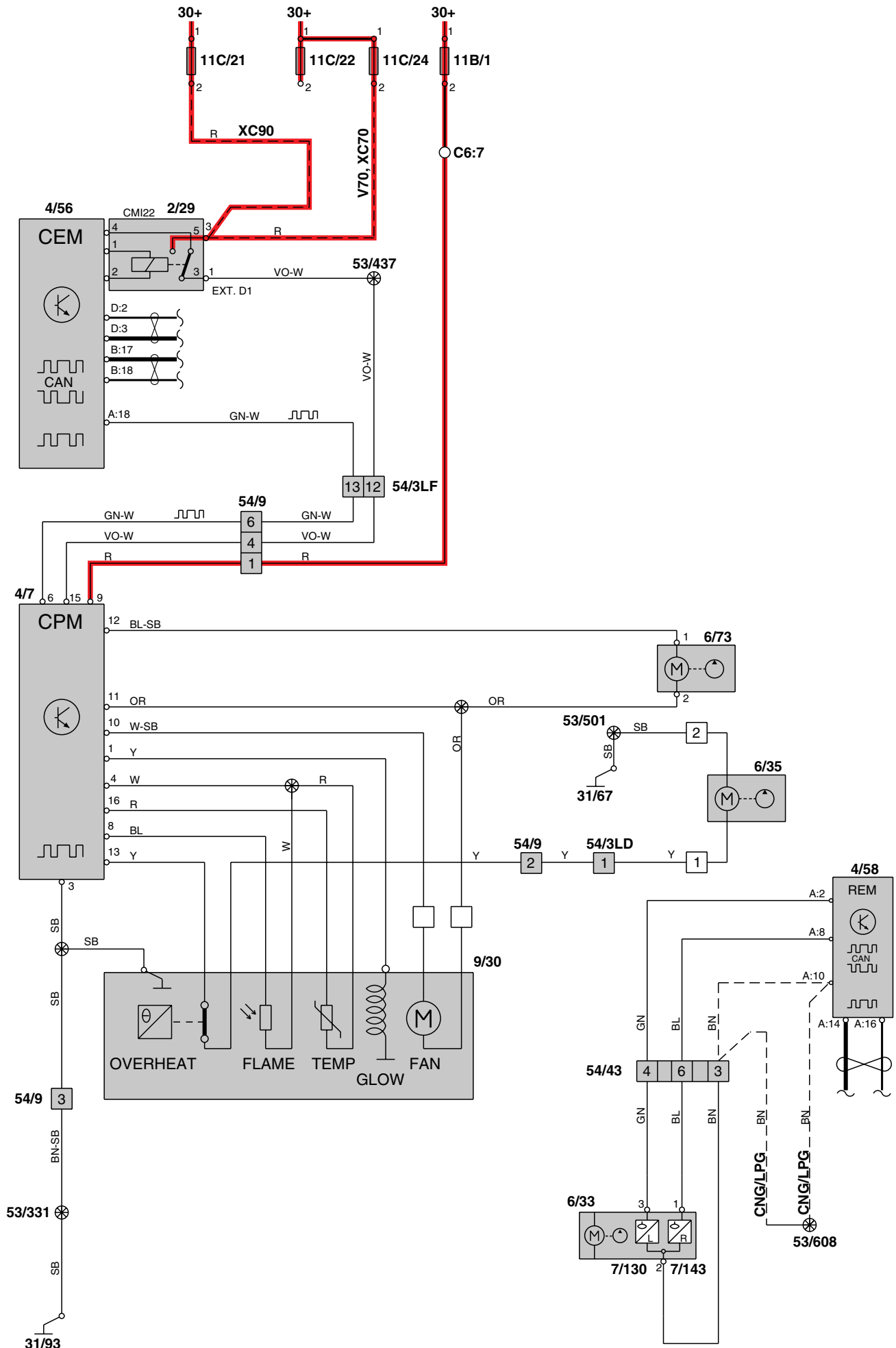
Electronic Climate Control (ECC)

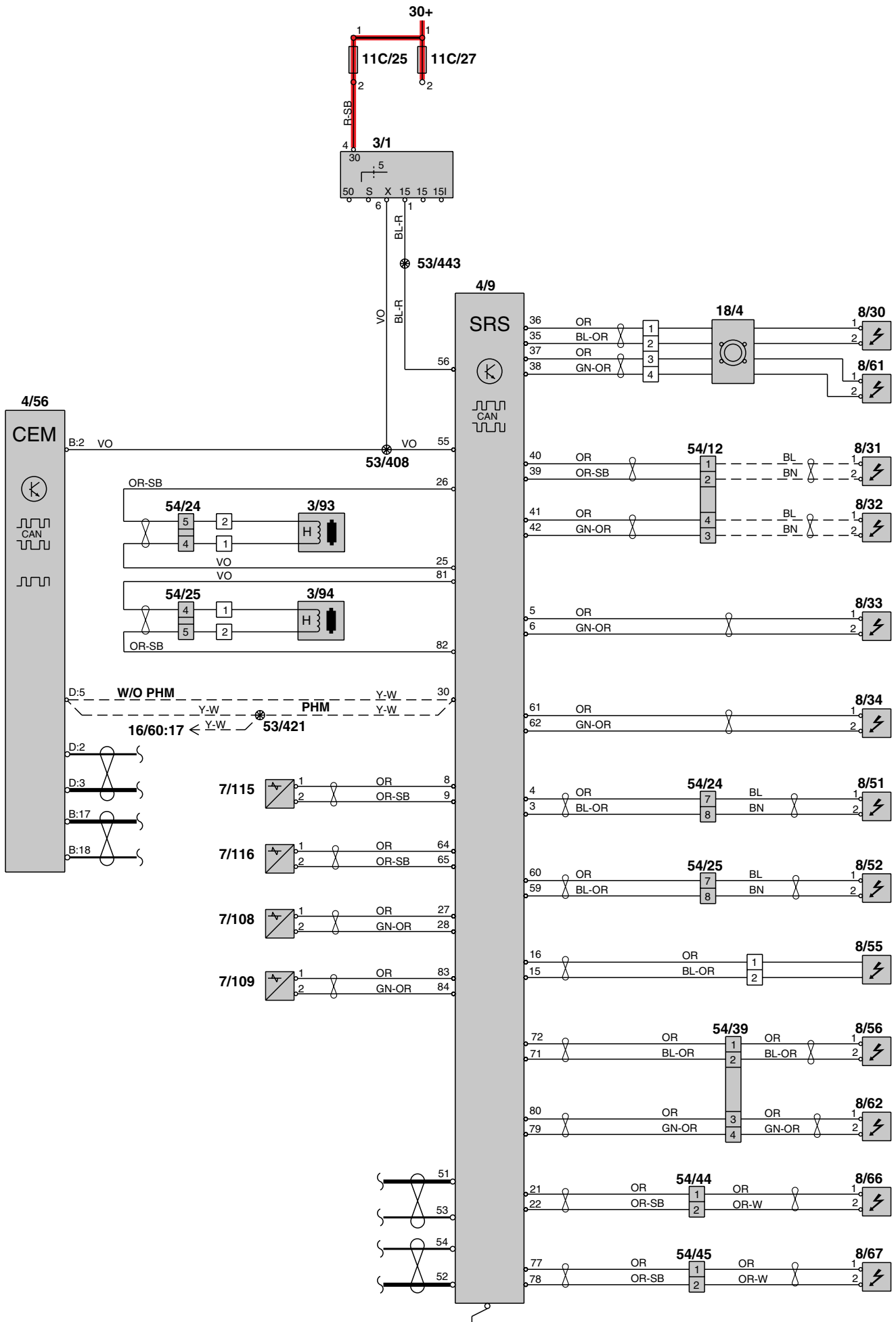


Rear climate control system XC90

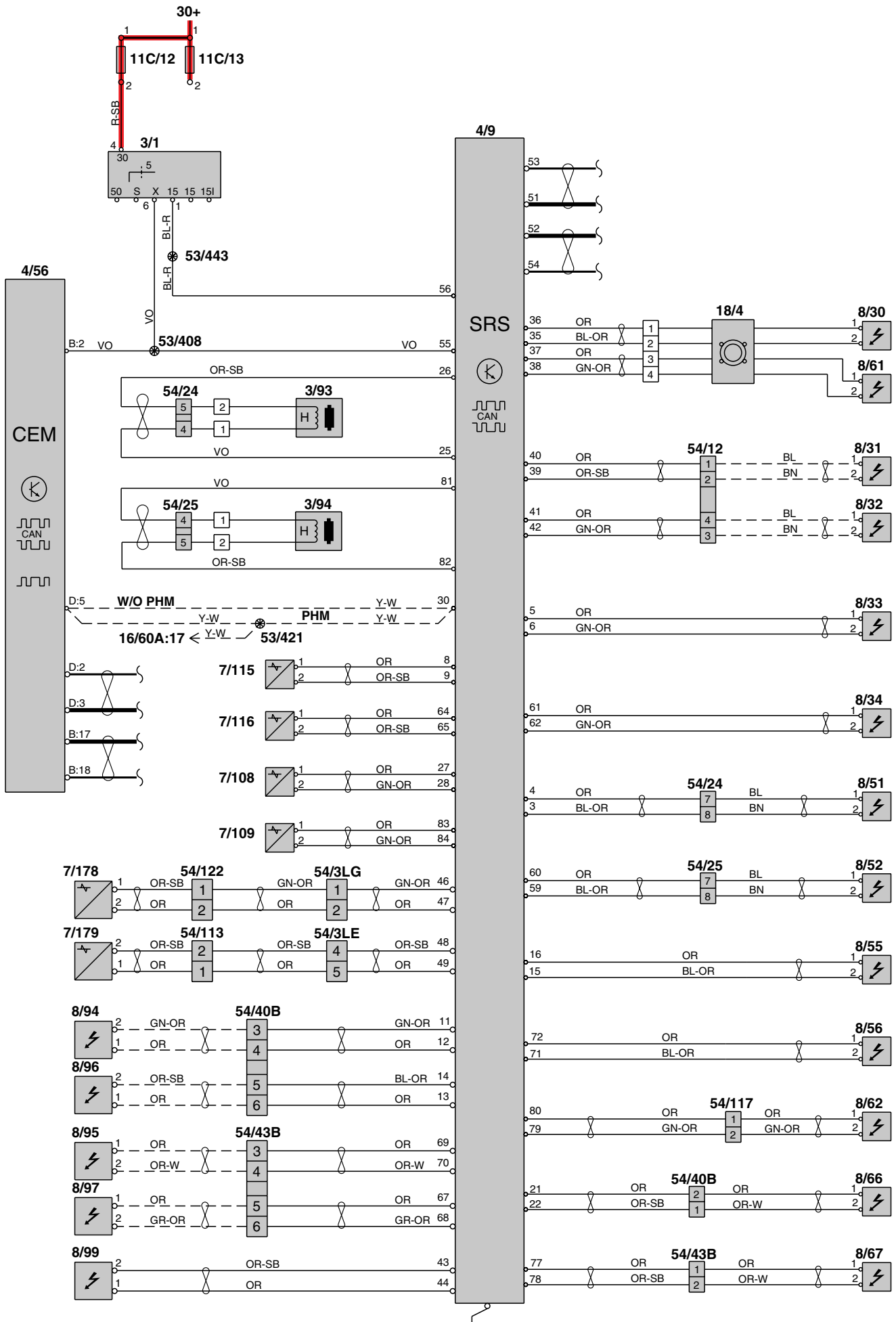


Parking heater, auxiliary heater

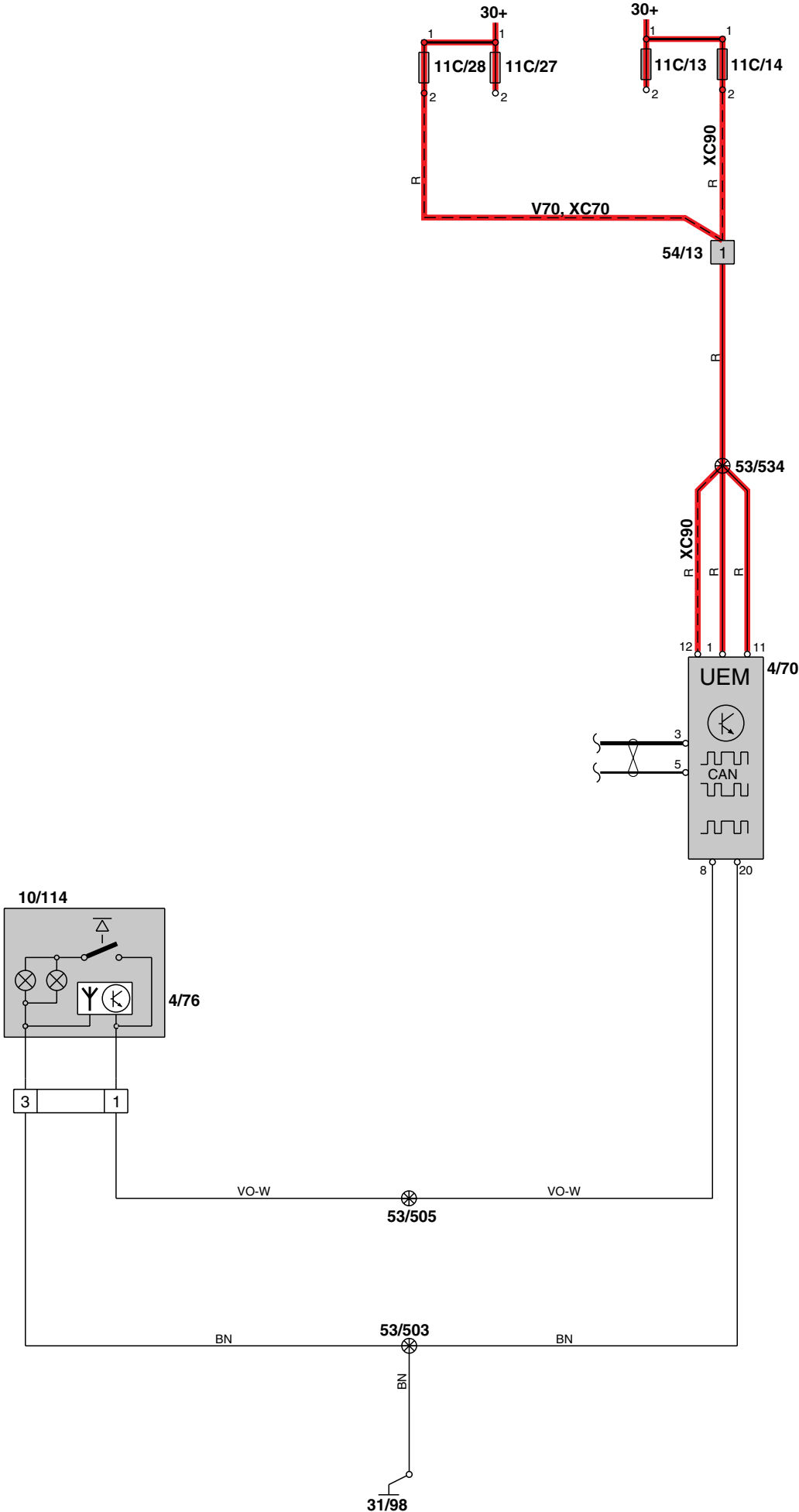




SRS Supplemental Restraint System XC90



Remote garage door opener



54/1

1-pin gray

No.	Engine compartment harness Diesel		Engine harness Diesel	
1	15/31C2:2	Engine compartment distribution box	RW	53/374 Junction point R

54/3LA

13-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	4/56A:2	Central Electronic Module CEM	GR	10/1C:1	Front left lamp housing, V70	GR
				10/1A:5	Front left lamp housing, XC90	
2	4/56D:11	Central Electronic Module CEM	GN	10/2C:1	Front right lamp housing, V70	GN
				10/2A:5	Front right lamp housing, XC90	
3	53/430 53/512	Junction point Junction point	W	4/16:11	Brake Control Module (BCM)	W
4	54/34:3	Connector, LHD	GN	4/46B:40	Engine Control Module (ECM) LHD	GN
5	3/156A:6 8/36:6	Gear Selector Module (GSM) Shift lock solenoid	SB	53/329	Junction point	SB
				4/28A:54	Transmission Control Module (TCM)	BL-SB
6	6/33:6	Fuel pump	Y	4/46B:47	Engine Control Module (ECM)	Y
7	4/56A:19	Central Electronic Module CEM	Y-GR	15/31C5:2	Engine compartment distribution box	Y-GR
8	4/56A:3	Central Electronic Module CEM	BN-W	15/31C4:12	Engine compartment distribution box	BL-OR
9	5/1:6	Driver Information Module (DIM), LHD, XC90	Y	3/47:1	Parking brake contact, LHD, XC90	Y
10	4/56A:17	Central Electronic Module CEM	W	15/31C4:7	Engine compartment distribution box	W
11	4/56A:16	Central Electronic Module CEM	BL	15/31C5:16	Engine compartment distribution box	BL-R
12	4/56A:14	Central Electronic Module CEM	Y	15/31C5:15	Engine compartment distribution box	Y
13	4/56A:13	Central Electronic Module CEM	GR	15/31C4:8	Engine compartment distribution box	GR

54/3LB

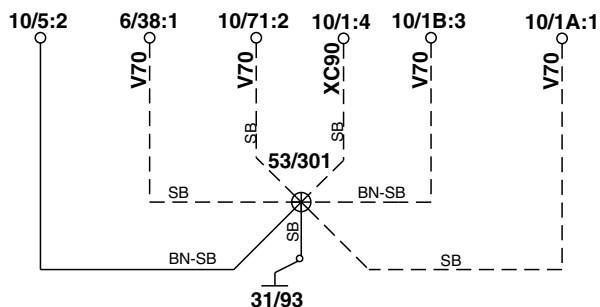
13-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	4/56A:8	Central Electronic Module (CEM), XC90	Y-R	15/31C5:12 Engine compartment distribution box, XC90		YR
2	4/56B:14	Central Electronic Module CEM	BL	4/46B:45	Engine Control Module (ECM)	R-SB
3	53/431 53/513	Junction point Junction point	GN	4/16:15	Brake Control Module (BCM)	GN
4	54/34:4	Connector, LHD	BL	4/46B:7	Engine Control Module (ECM) LHD	BL-SB
5	7/164:2	Sensor module DSTC	W	4/16:29	Brake Control Module (BCM)	W-SB
6	7/164:1	Sensor module DSTC	BN	4/16:25	Brake Control Module (BCM)	GN-Y
7	7/164:5	Sensor module DSTC	GR-W	4/16:39	Brake Control Module (BCM)	GR-SB
continues						

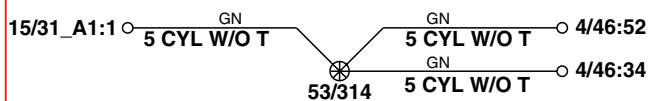
Junction points

53/301 - 53/324

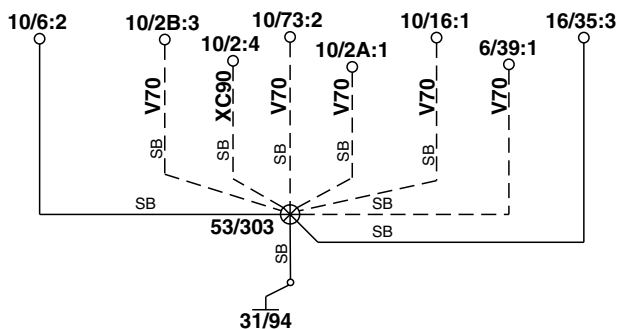
53/301



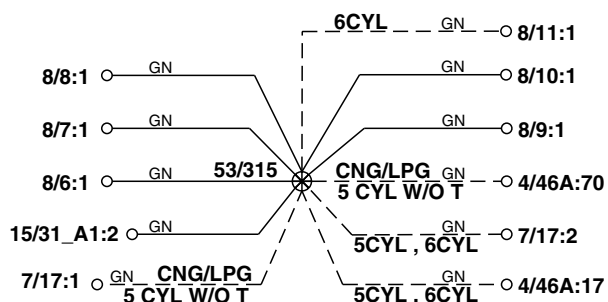
53/314
CNG/LPG



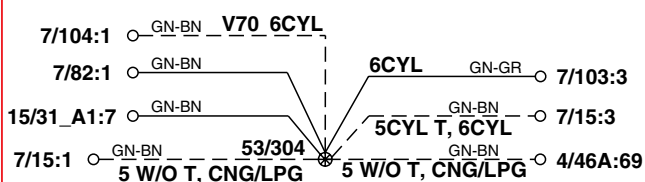
53/303



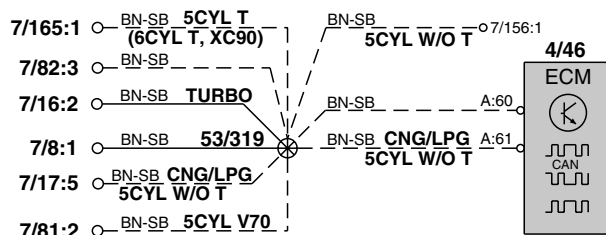
53/315



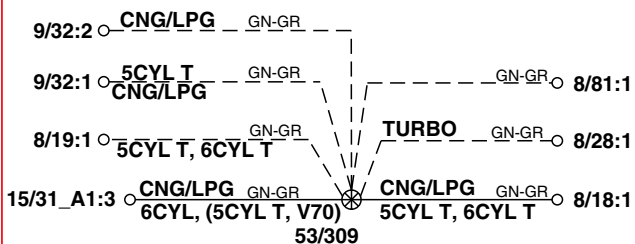
53/304



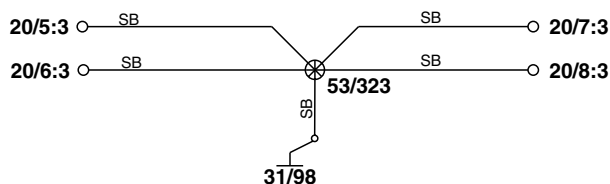
53/319



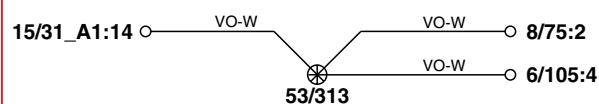
53/309



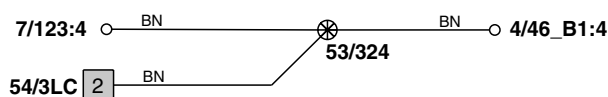
53/323
XC90
6CYL T



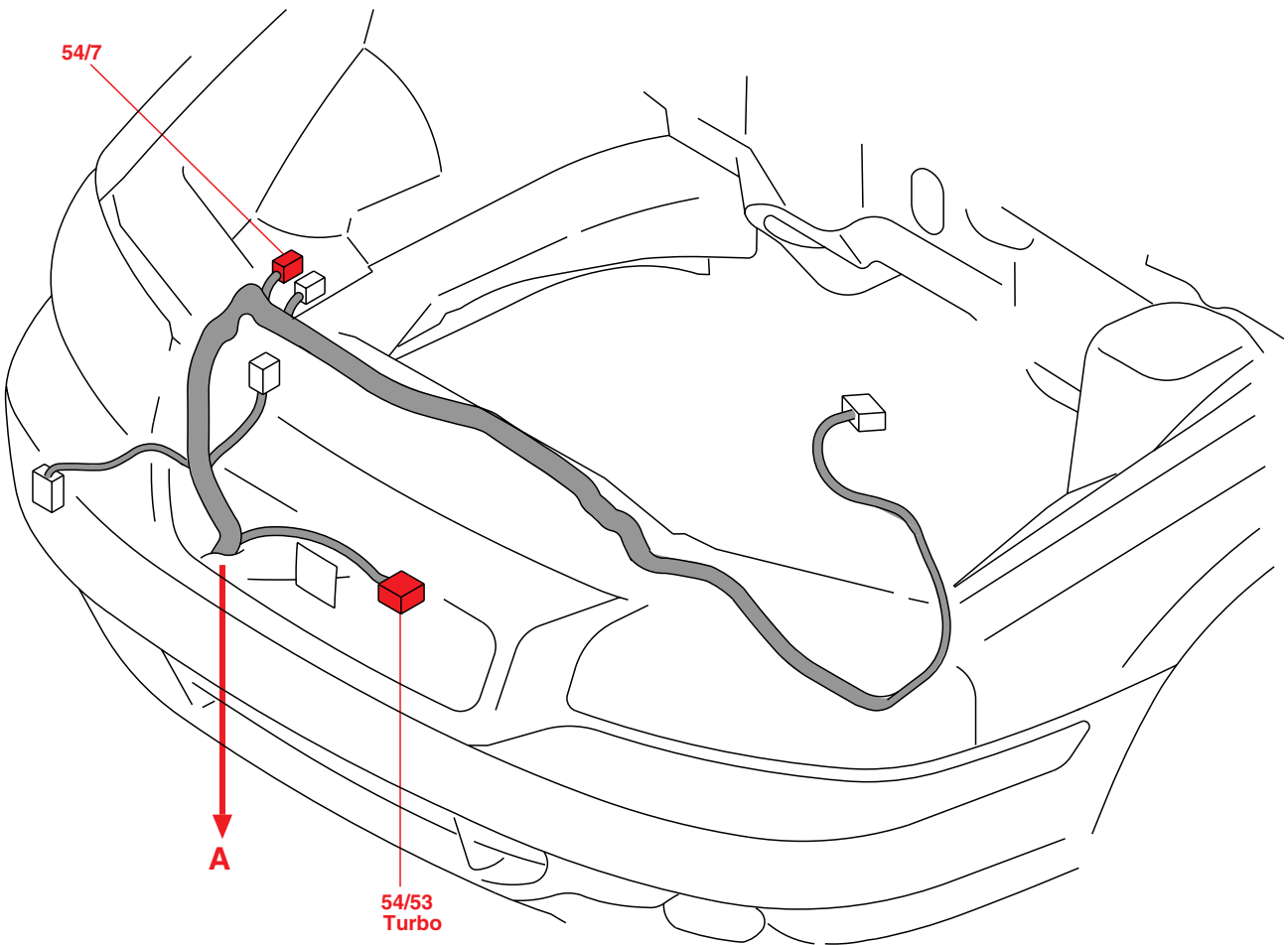
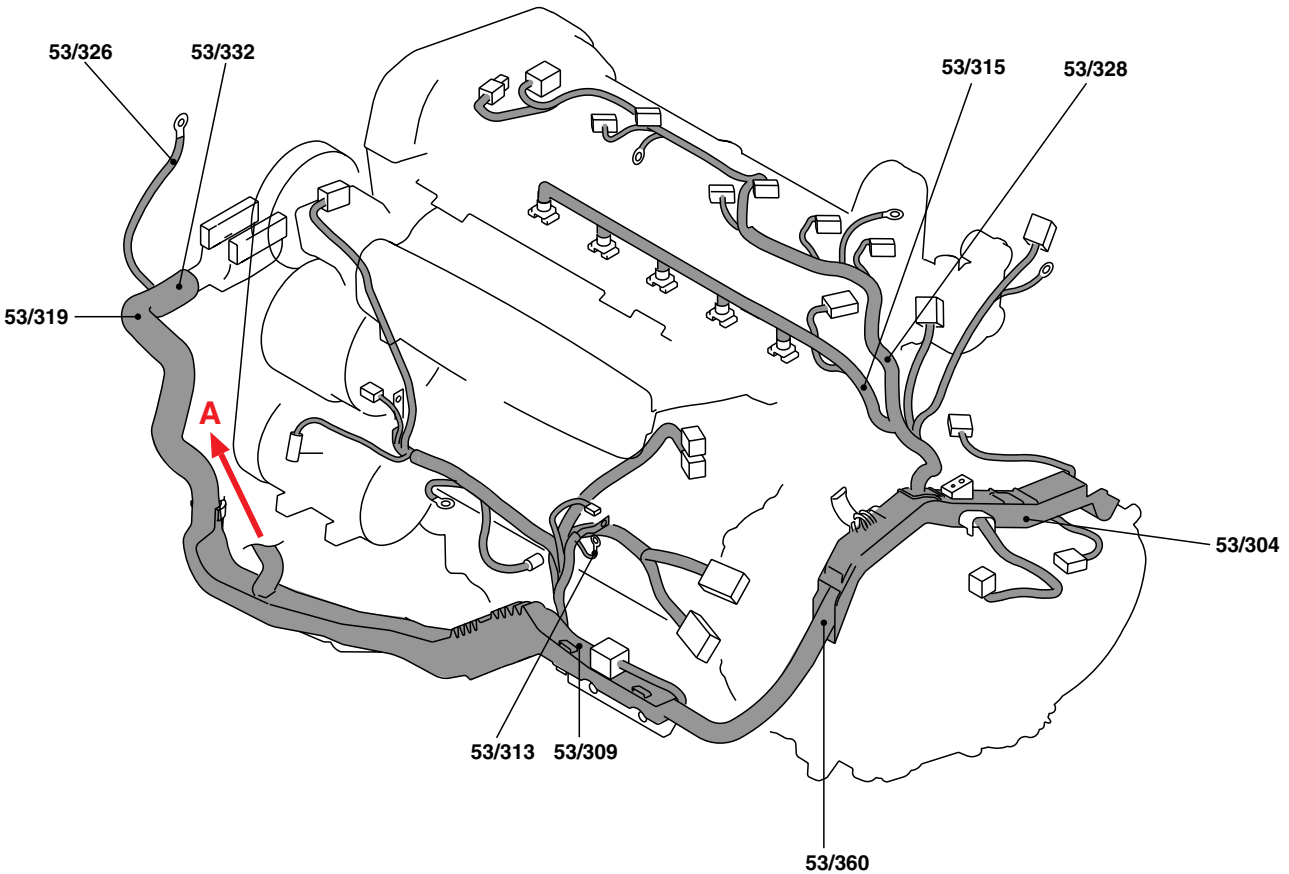
53/313
CNG/LPG

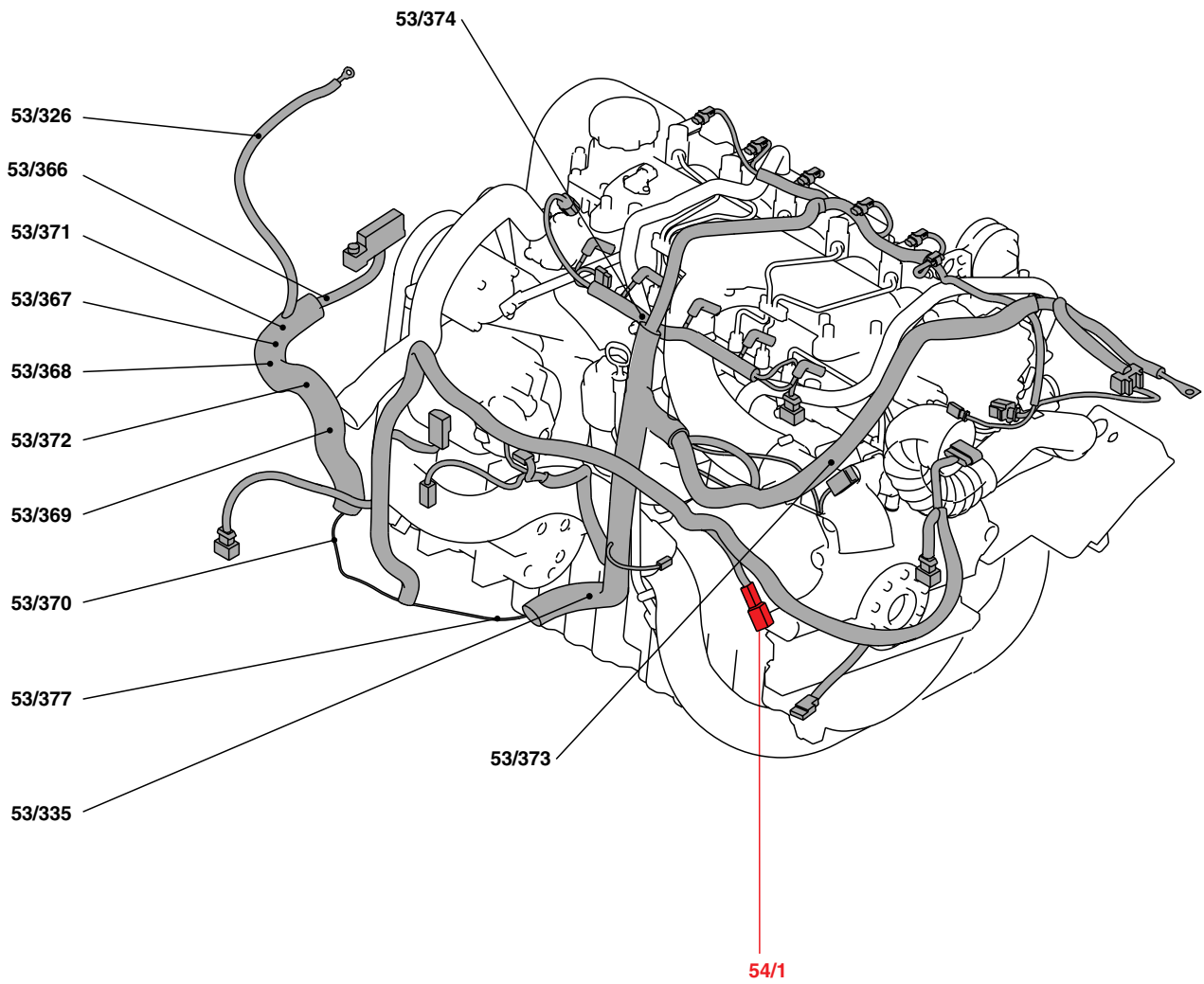


53/324
V70
MAN

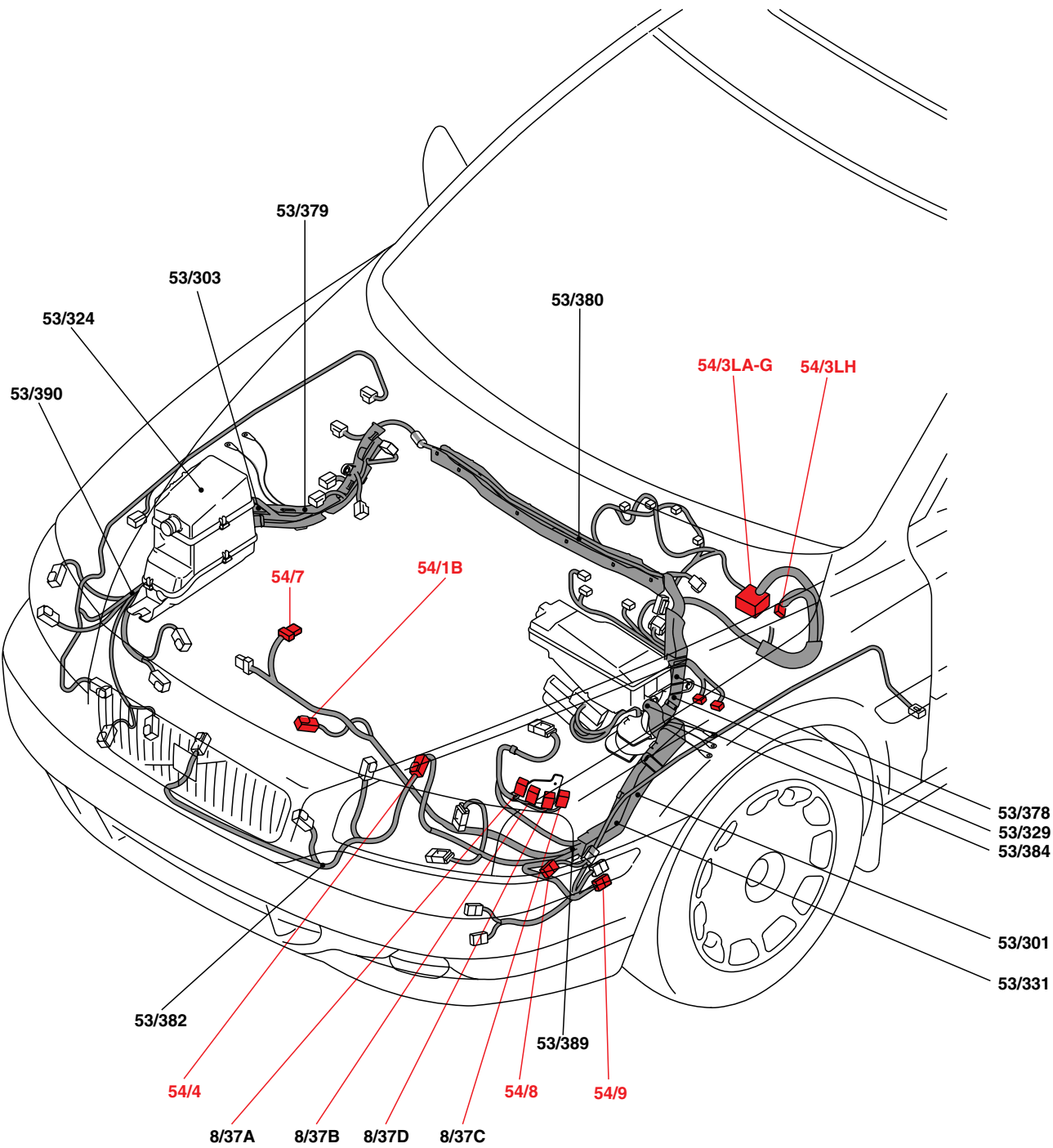


Cable harness routing in vehicle
Engine harness Gasoline

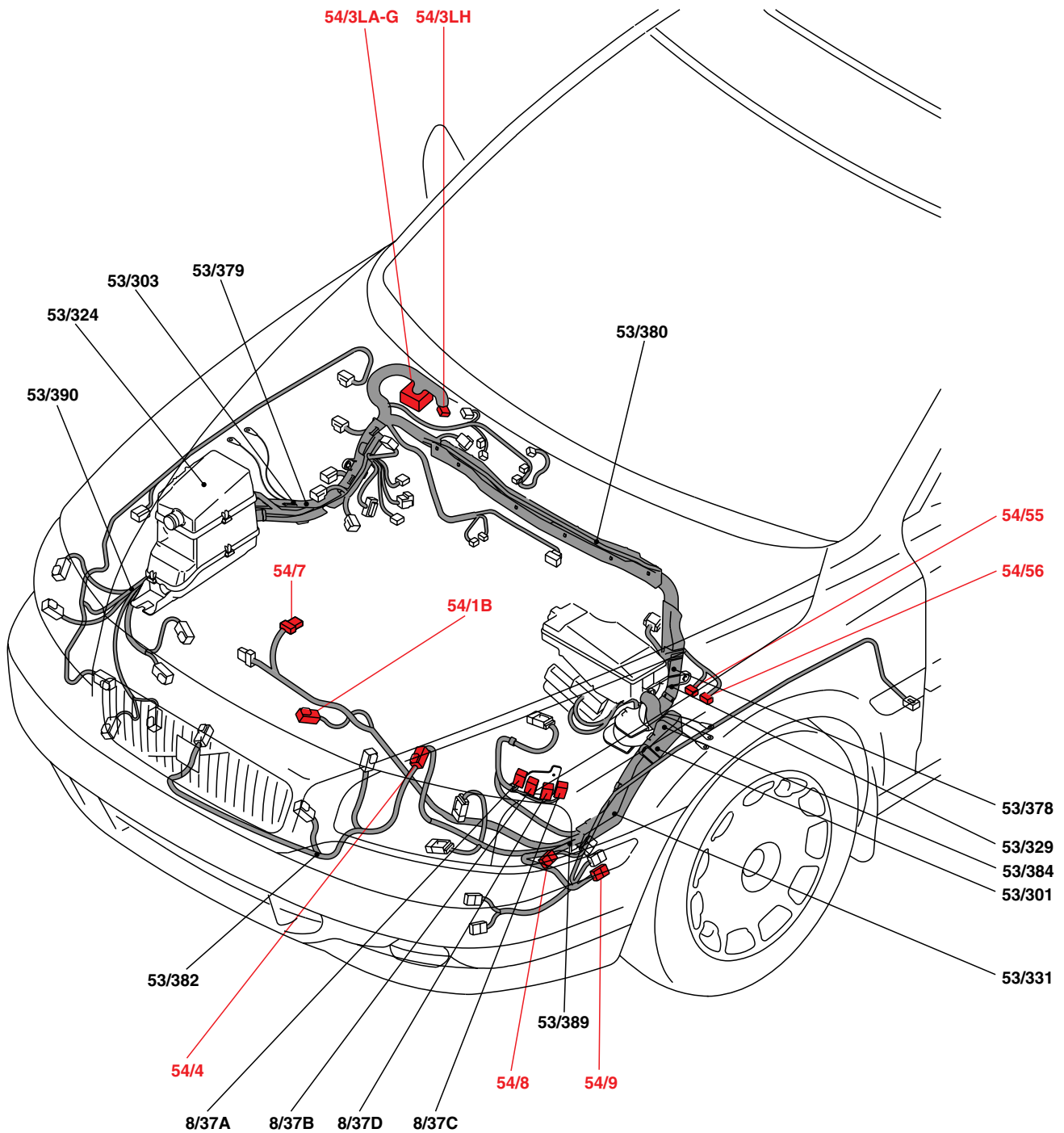




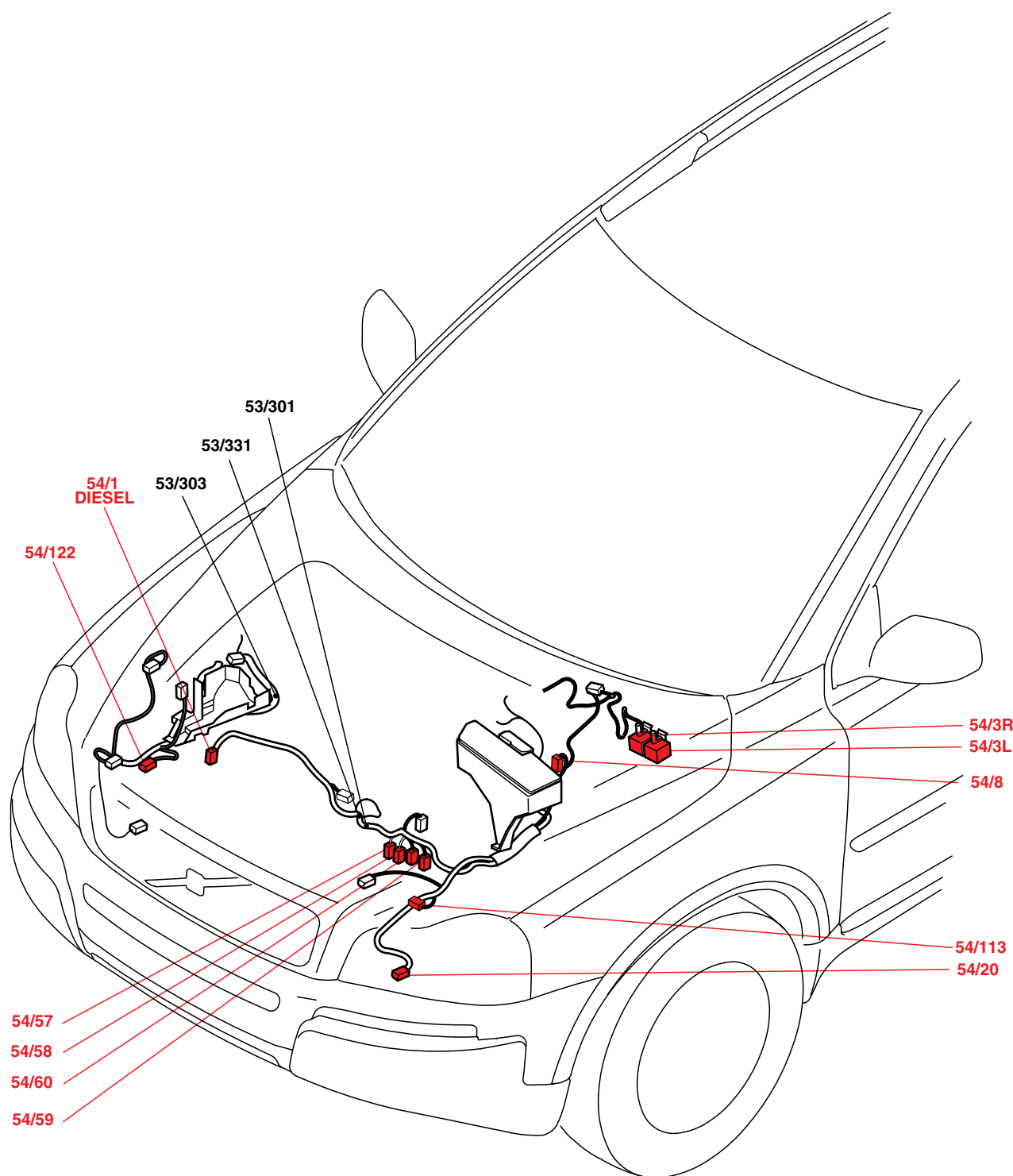
Front engine compartment harness LHD



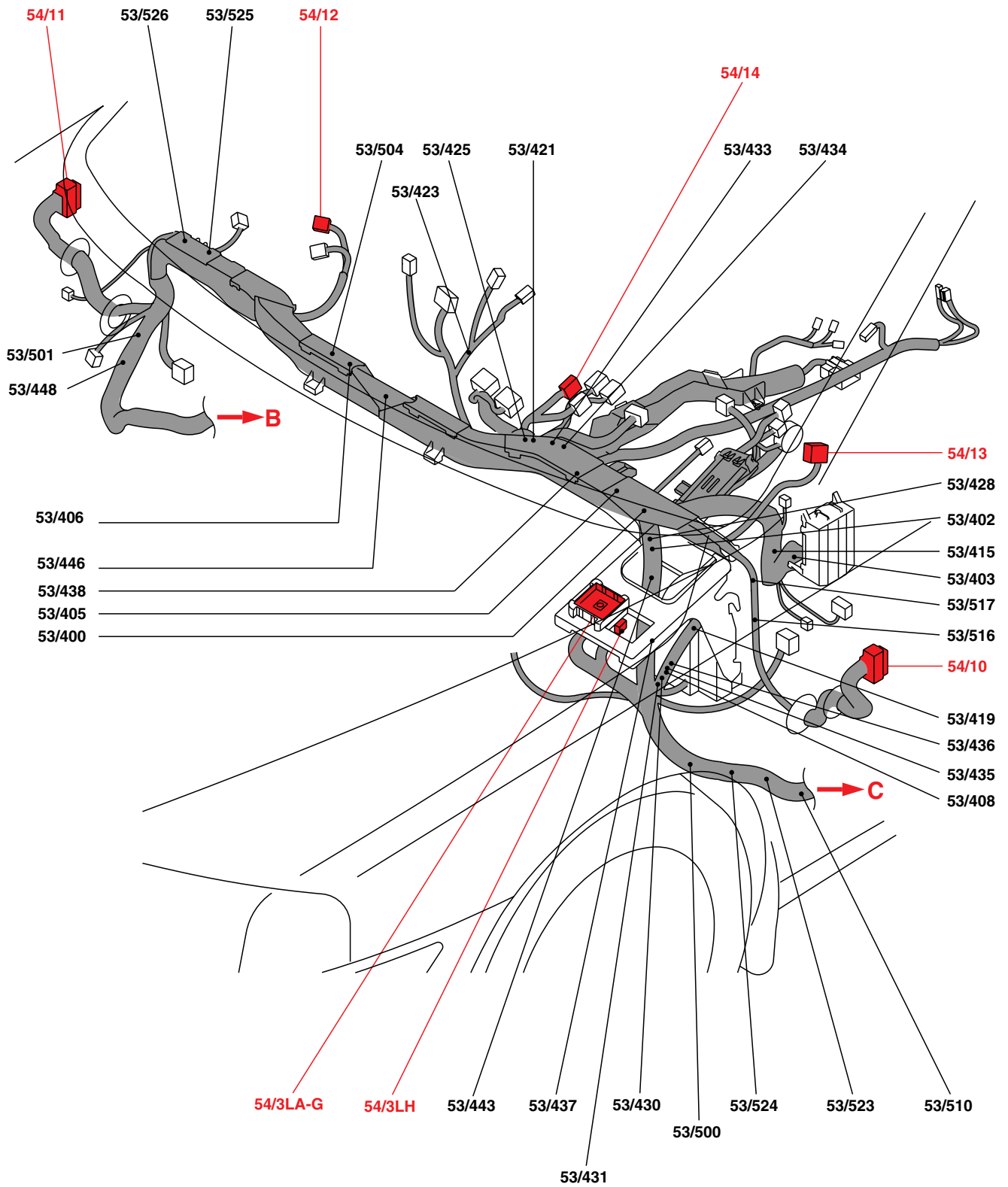
Front engine compartment harness RHD



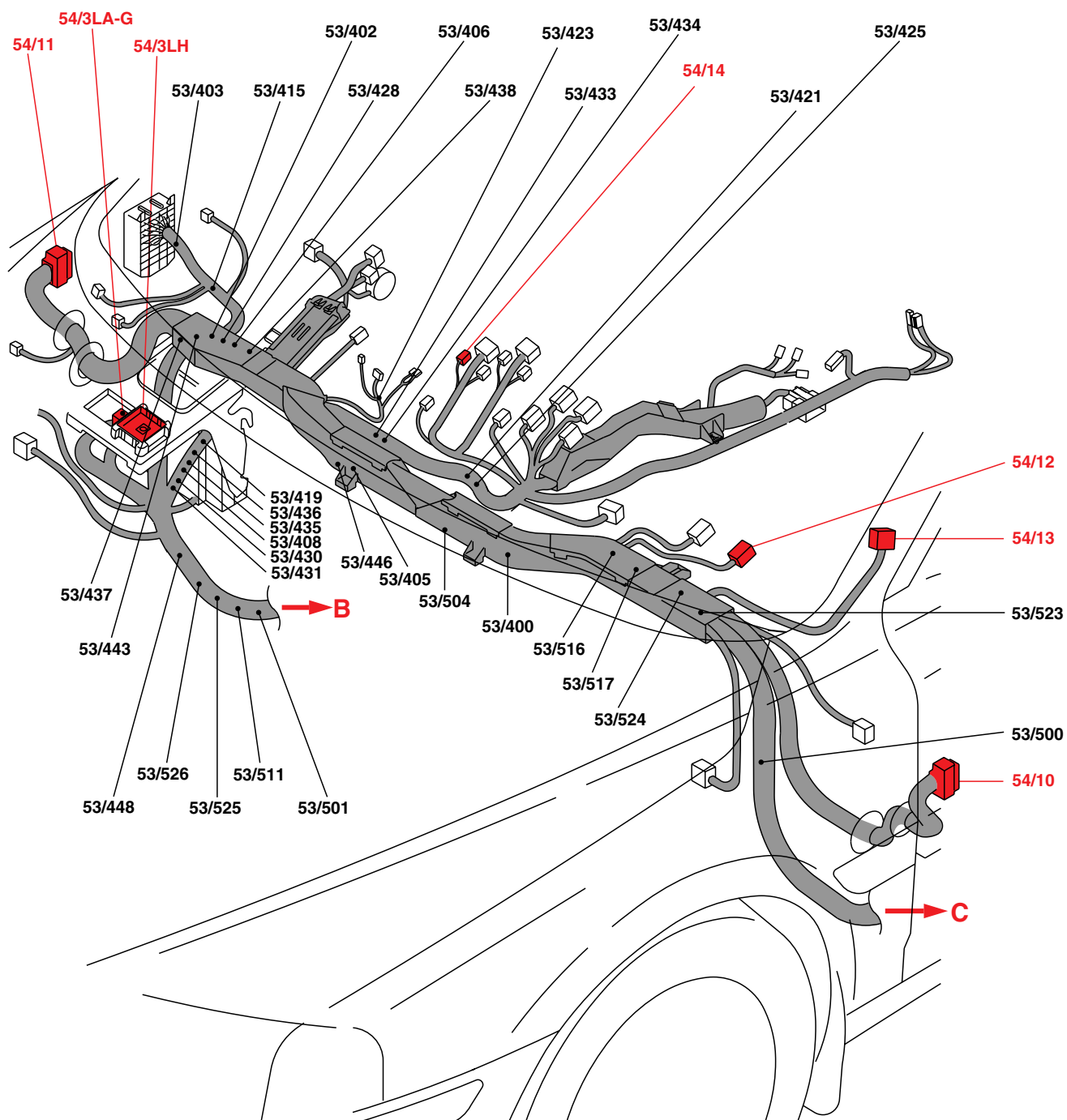
Engine compartment harness, XC90



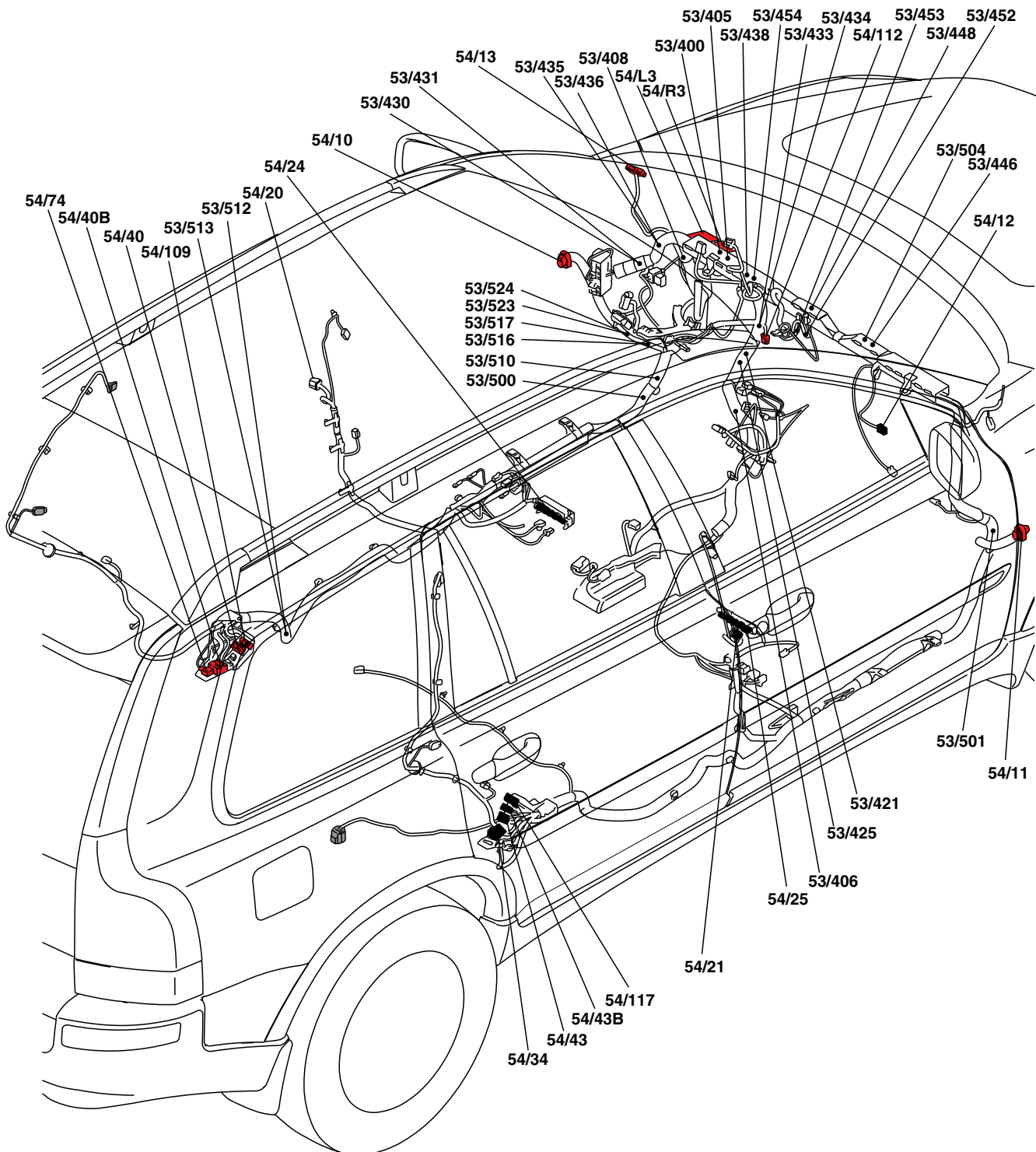
Front passenger compartment harness LHD



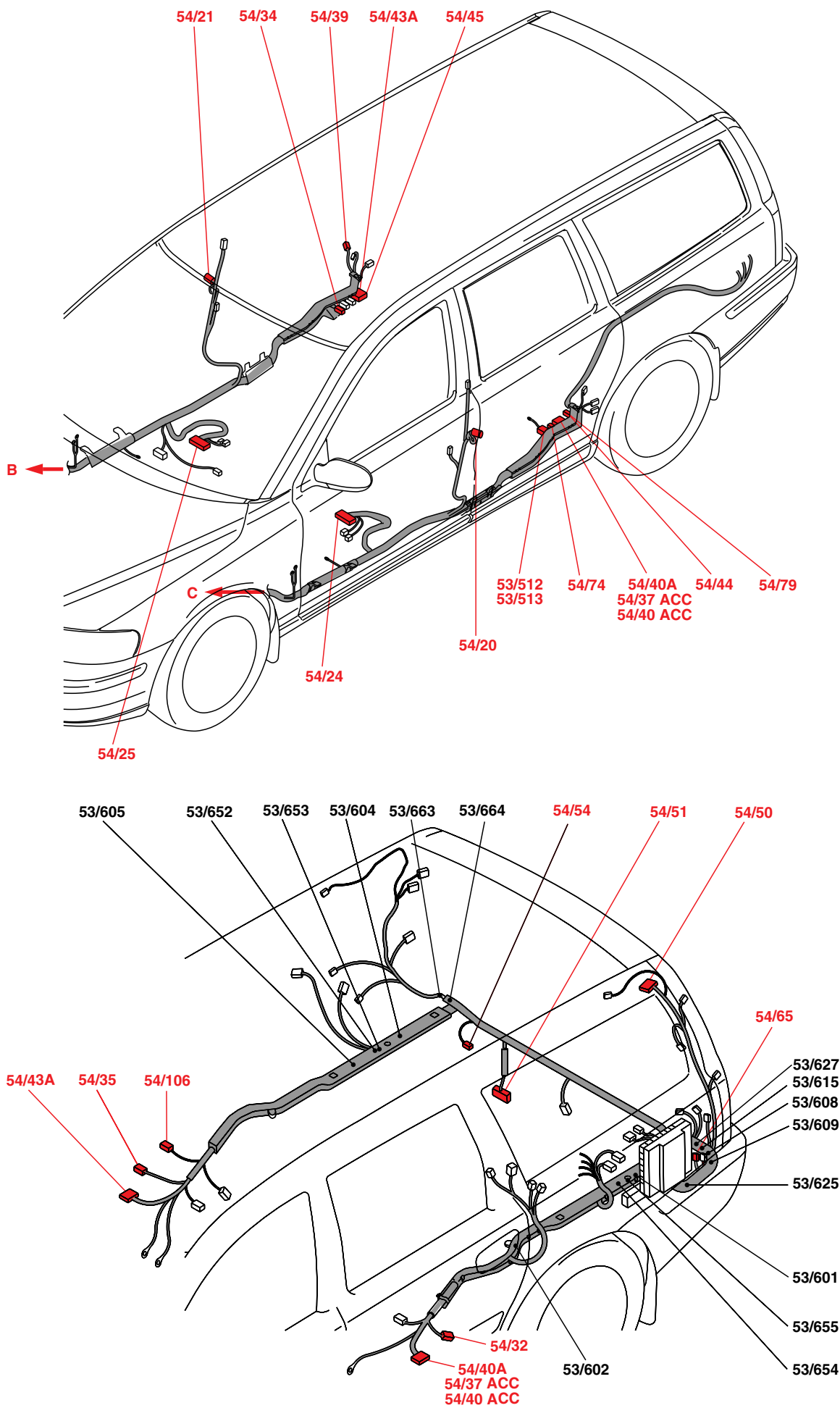
Front passenger compartment harness RHD



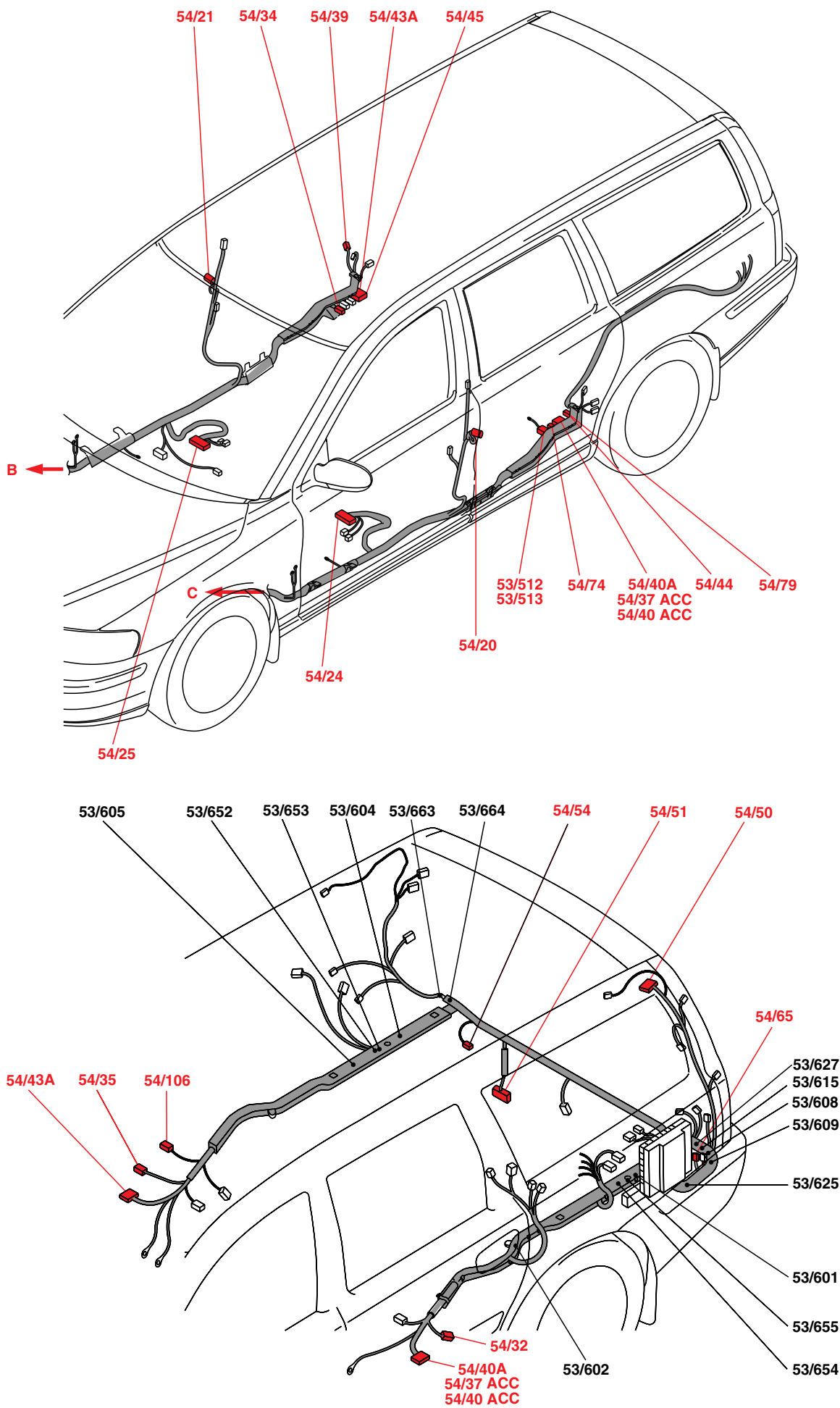
Passenger compartment harness XC90

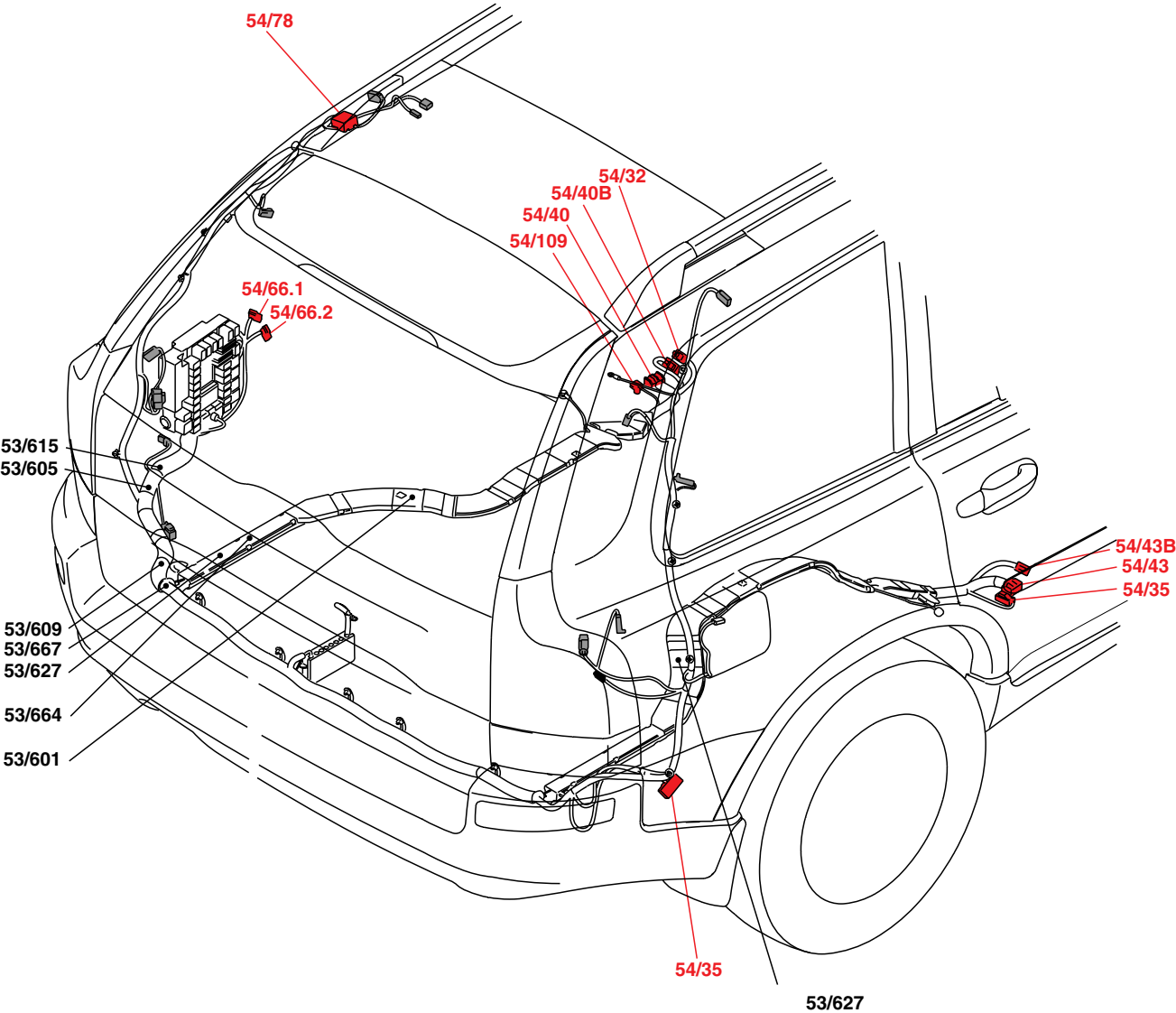


Rear passenger compartment harness
Cargo compartment harness



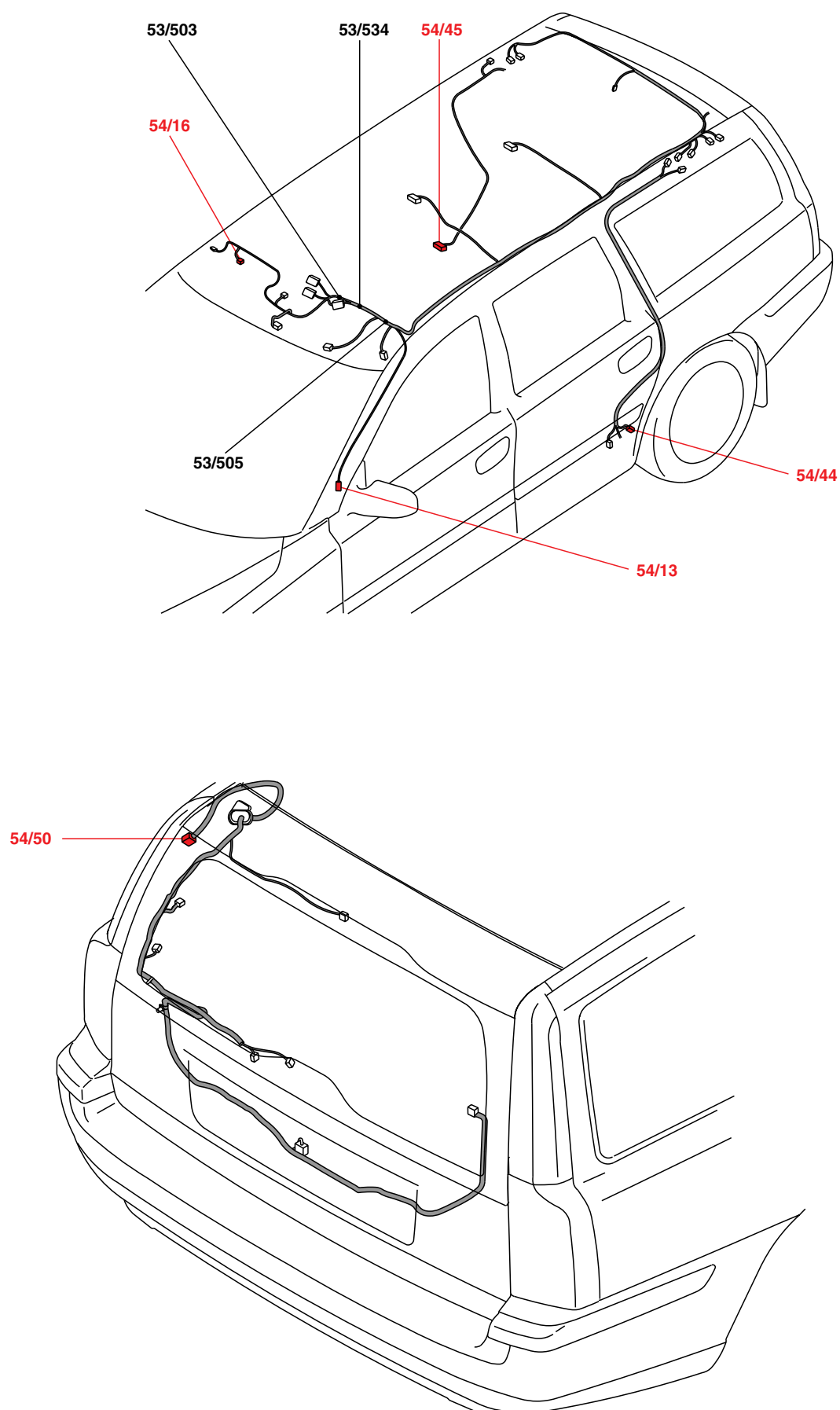
Rear passenger compartment harness
Cargo compartment harness





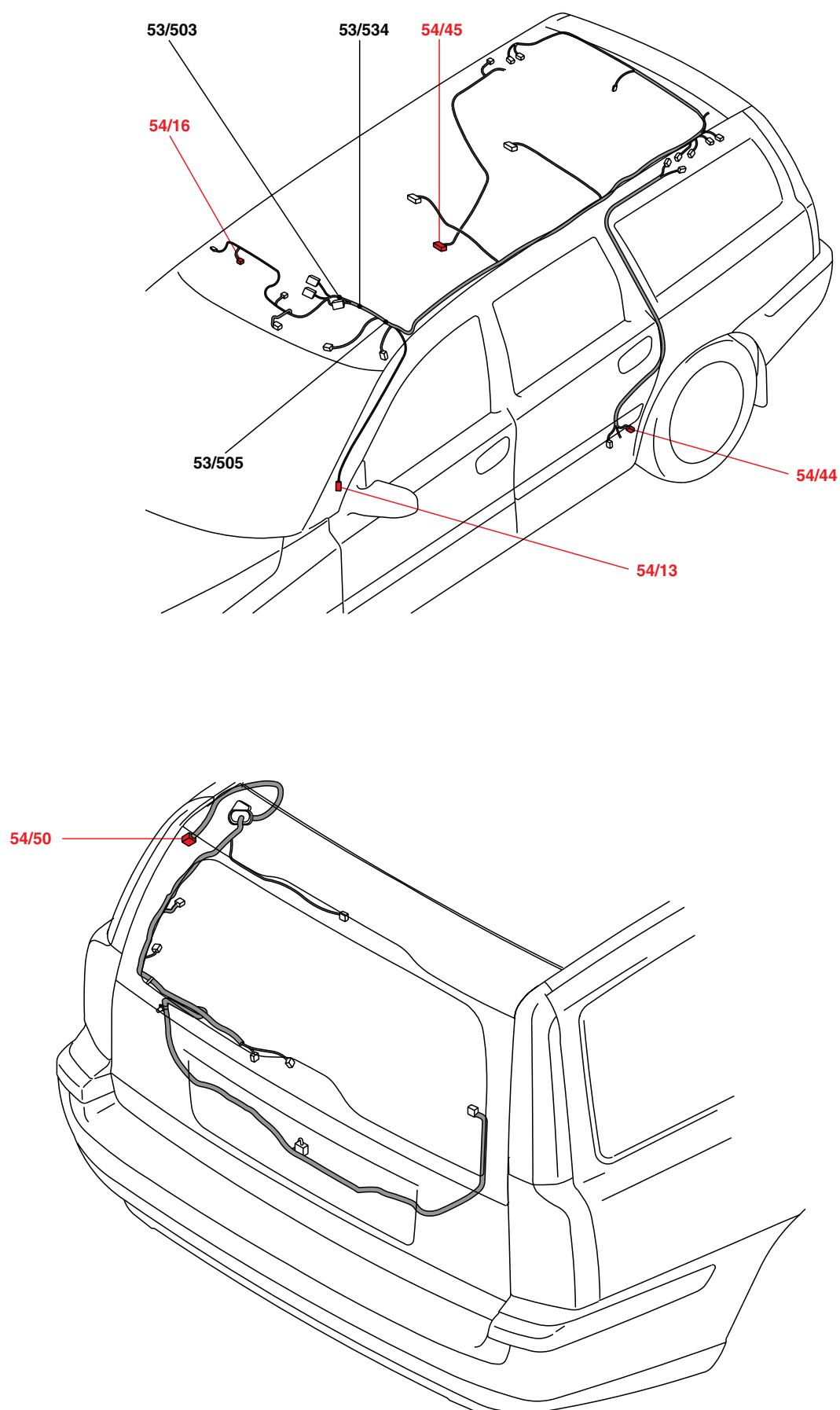
Inflatable curtain harness V70

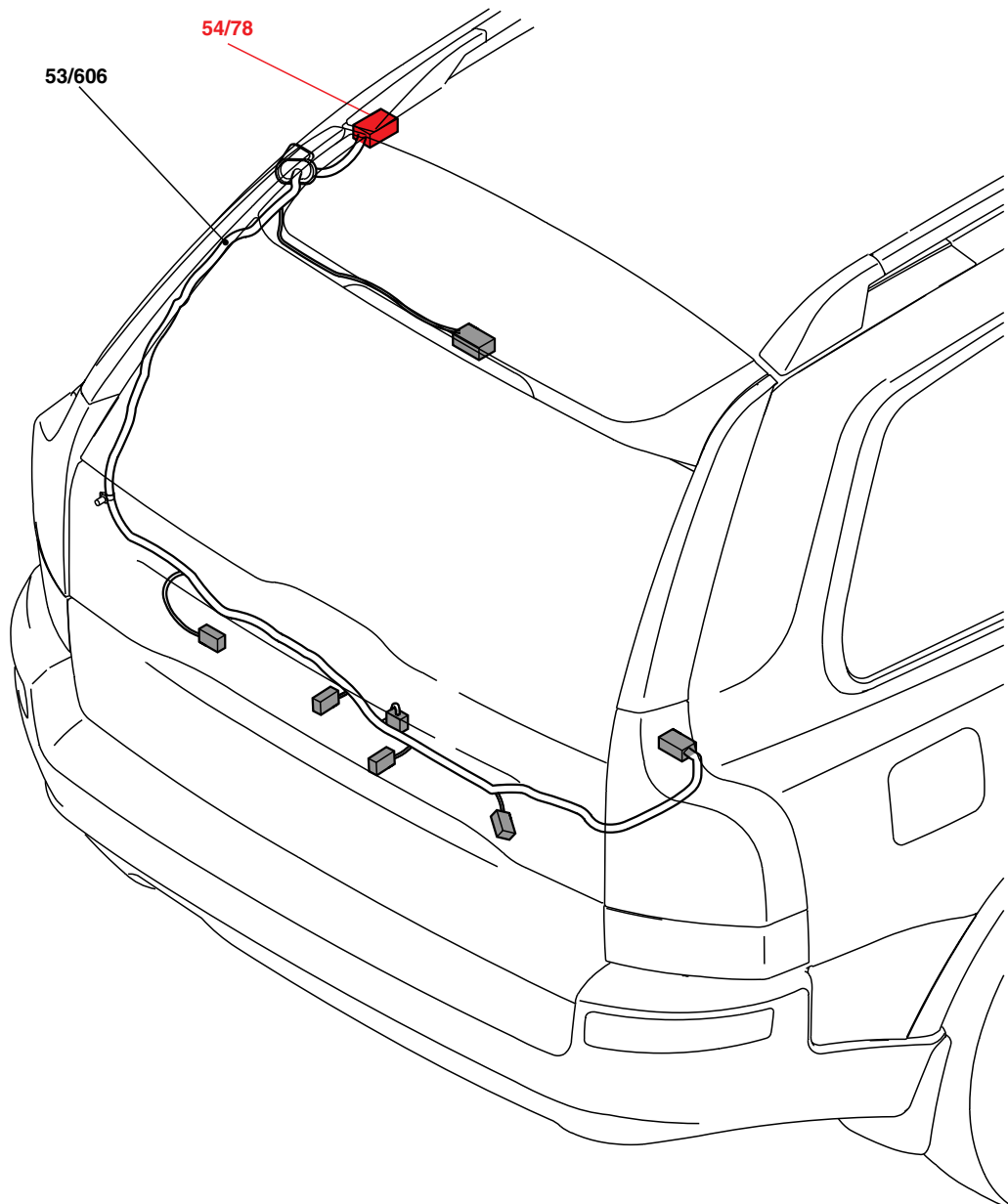
Tailgate harness V70



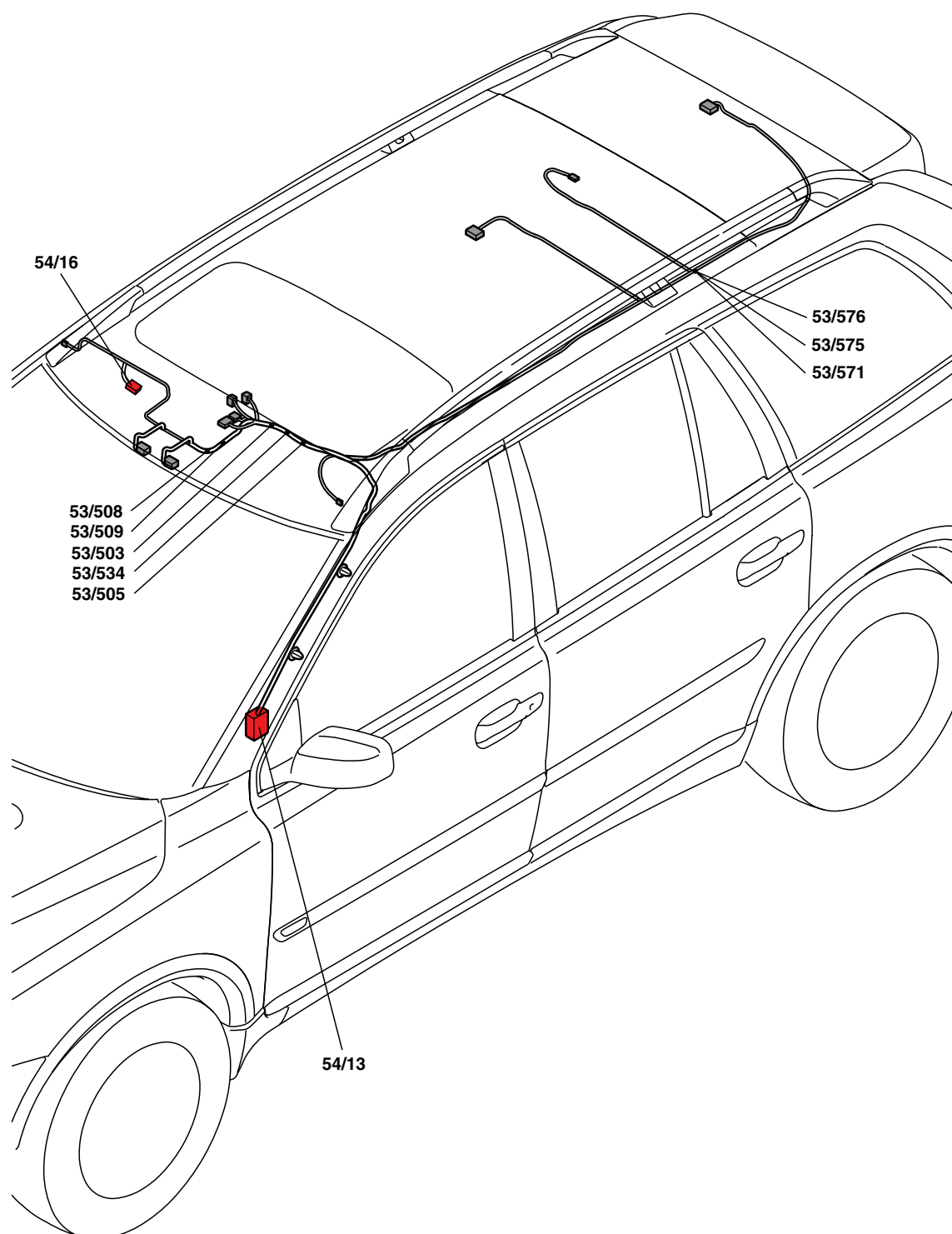
Inflatable curtain harness V70

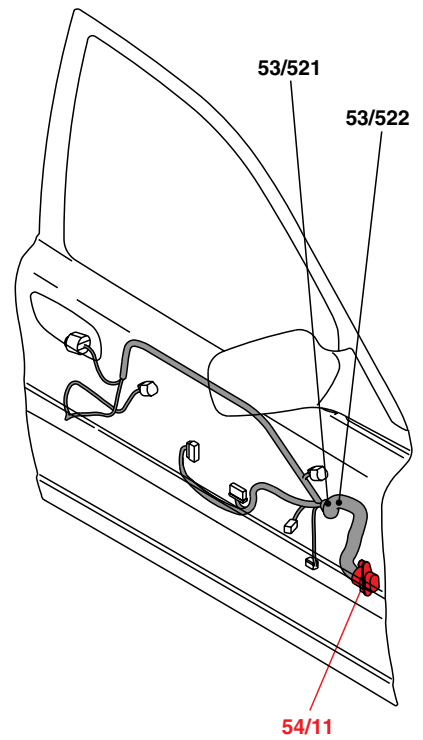
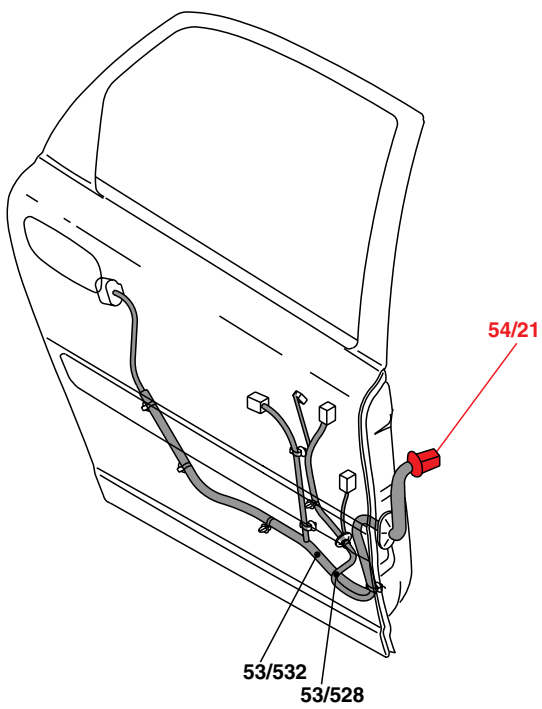
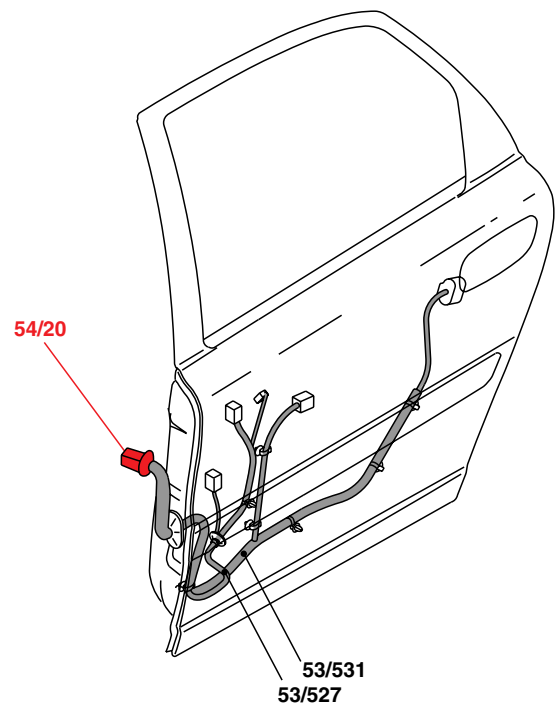
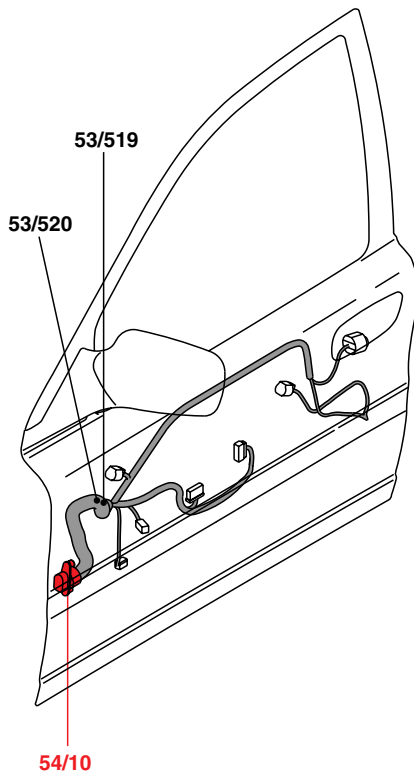
Tailgate harness V70



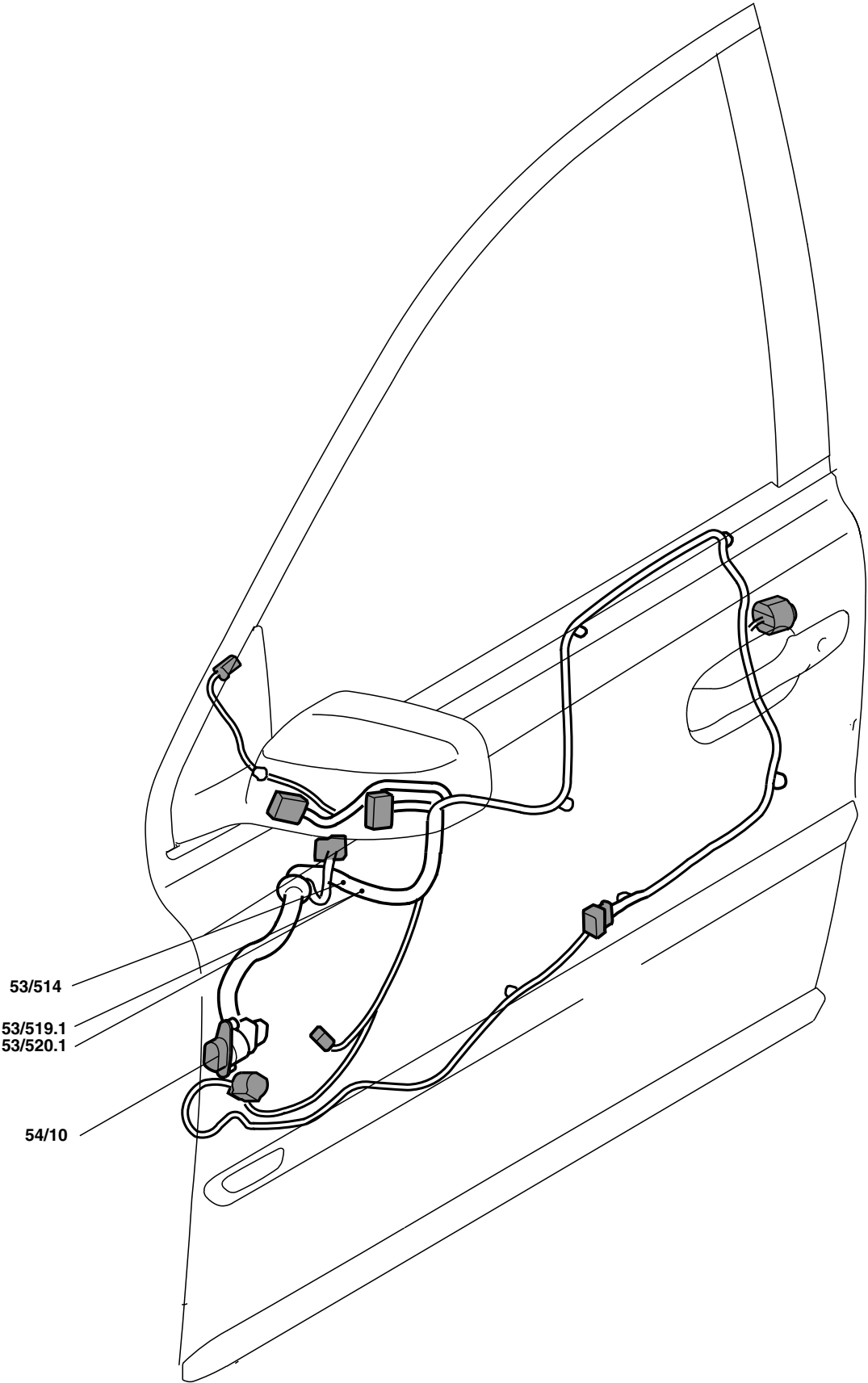


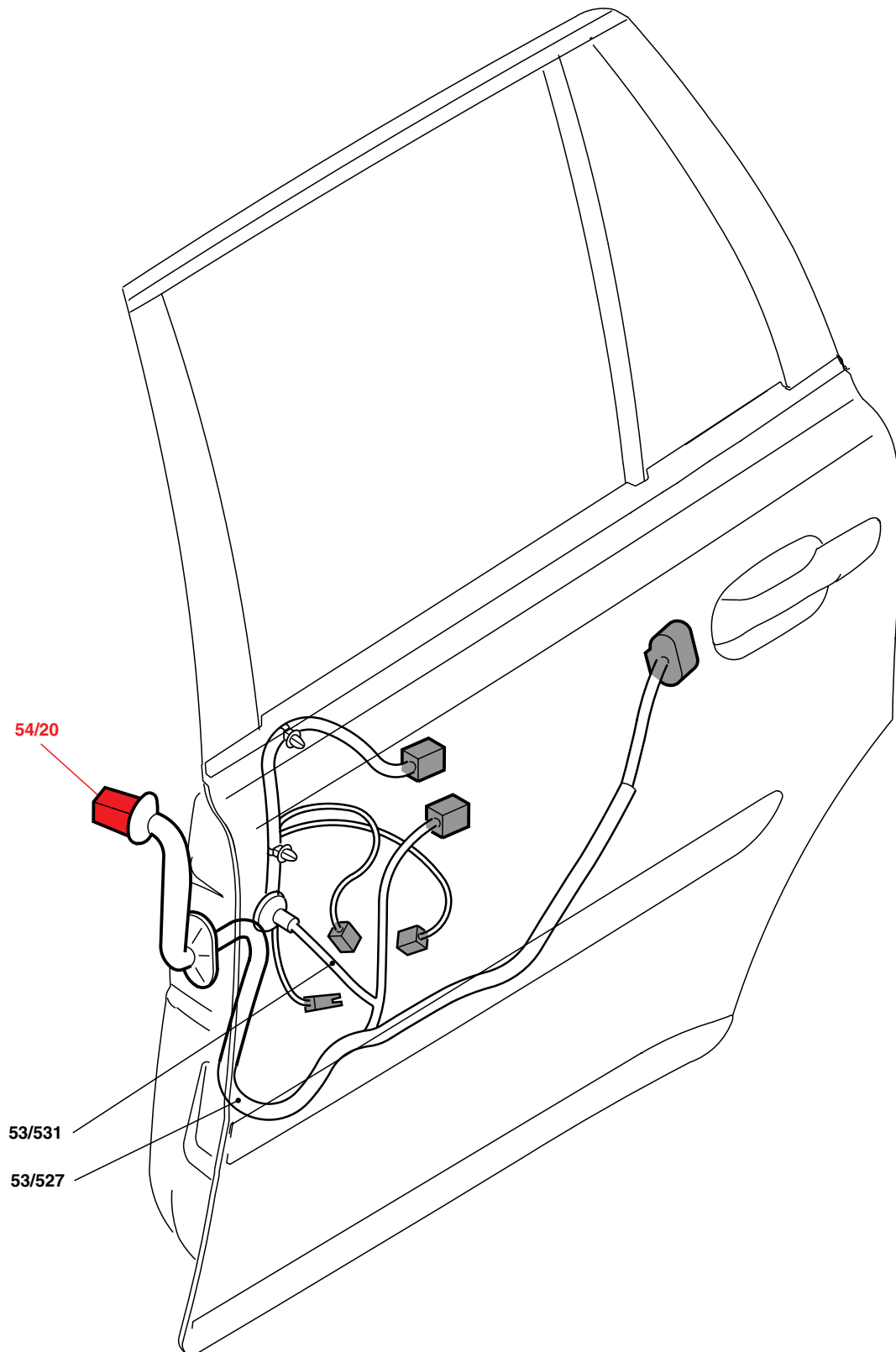
Roof harness XC90



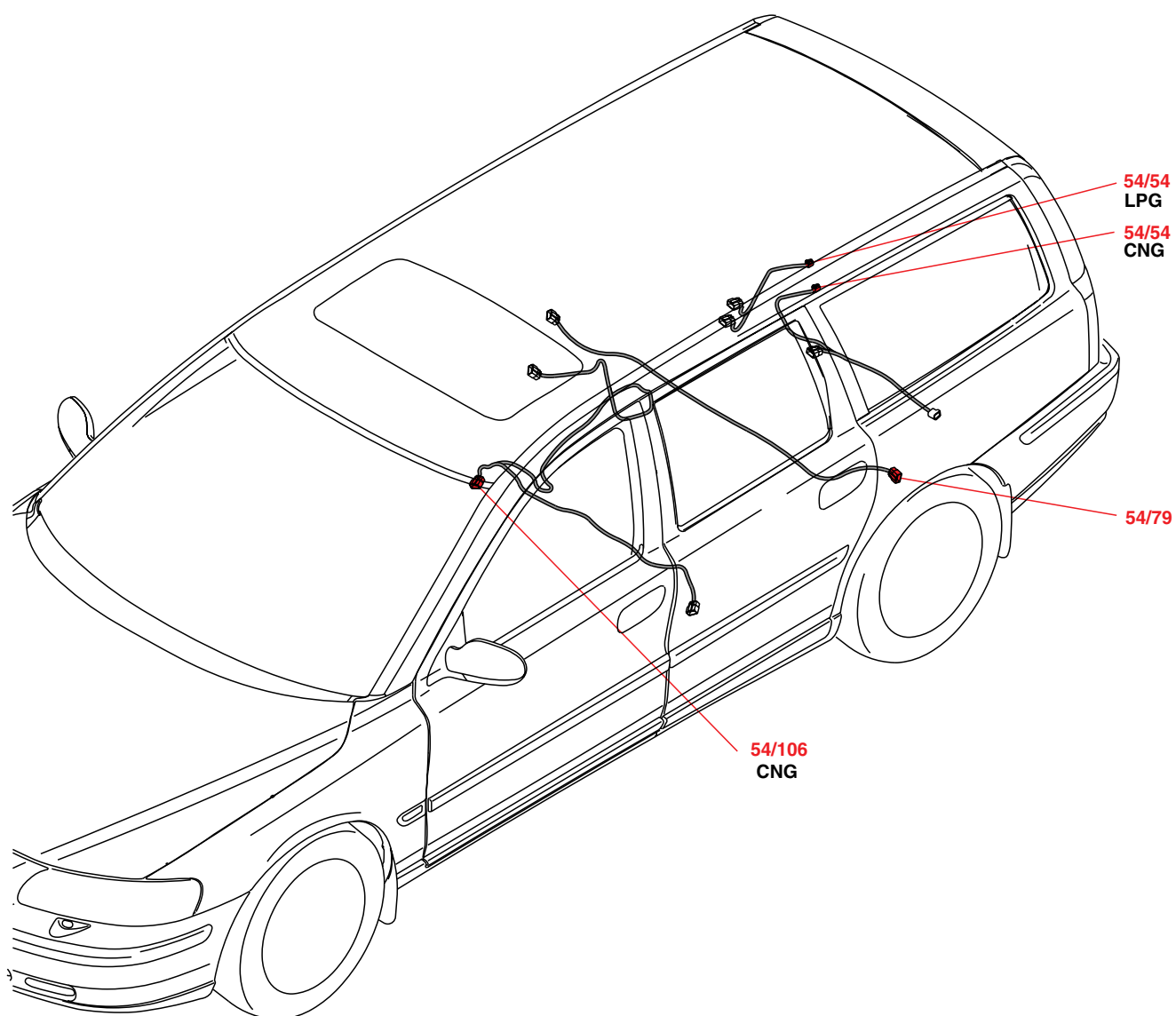


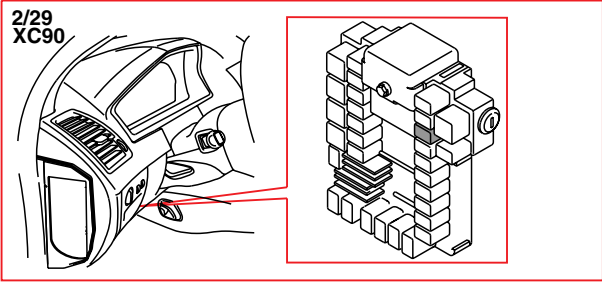
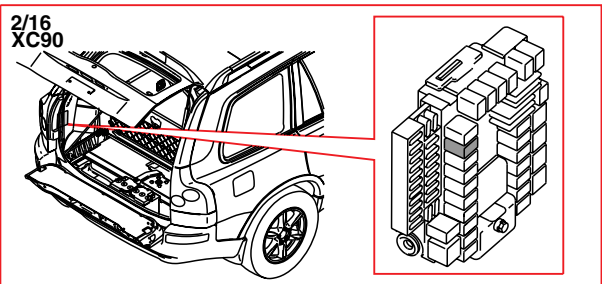
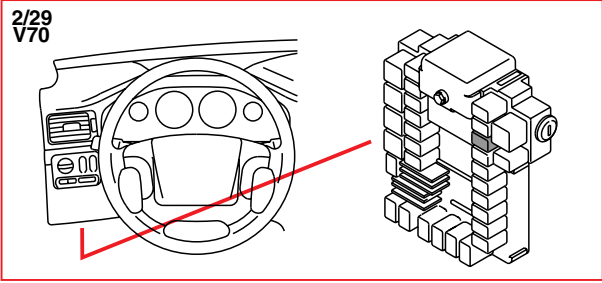
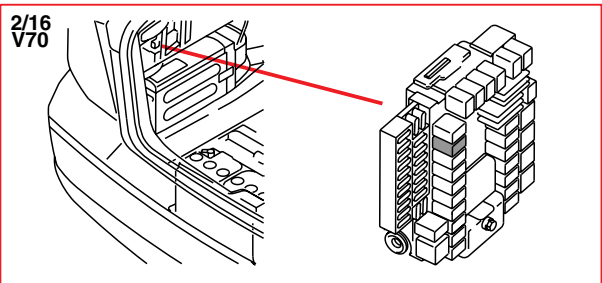
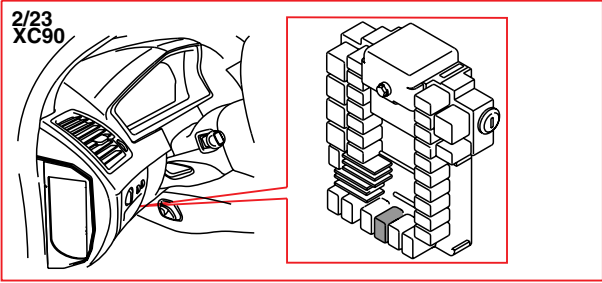
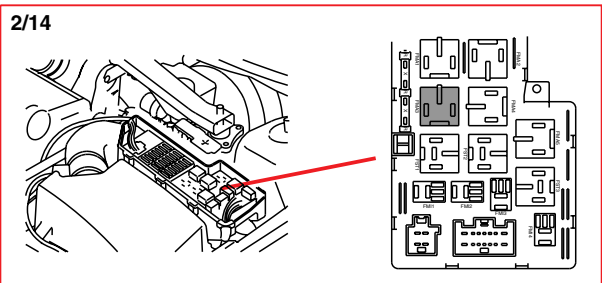
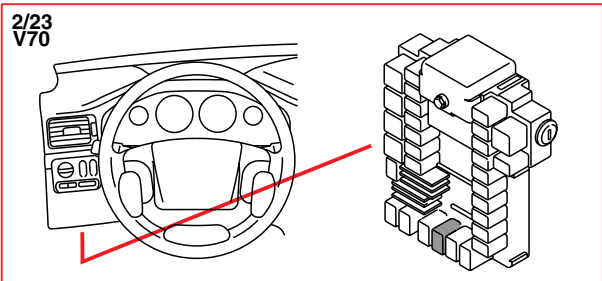
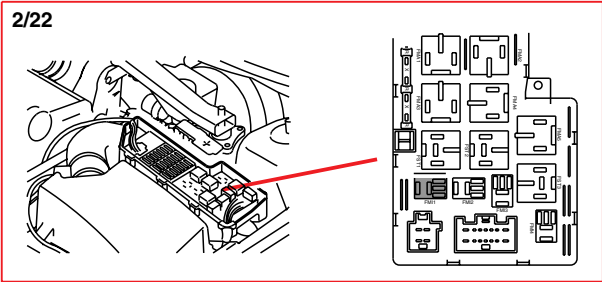
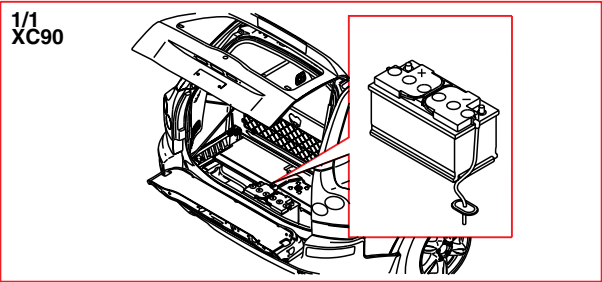
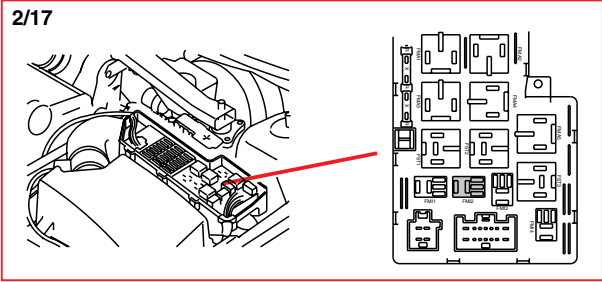
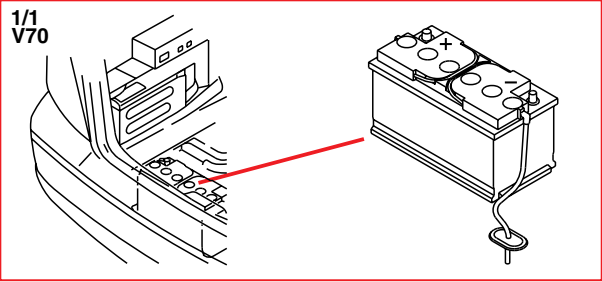
Front door harness XC90





Bifuel harness





Connector

54/3LB:7-13 - 54/3LD

54/3LB

13-pin white

No.	Passenger compartment harness			Engine compartment harness		
7	7/164:5	Sensor module DSTC	GR-W	4/16:39	Brake Control Module (BCM)	GR-SB
8	7/164:3	Sensor module DSTC	GR	4/16:6	Brake Control Module (BCM)	P-W
9	7/57:1	Right-hand rear ABS sensor	BN	4/16:43	Brake Control Module (BCM)	BN-W
10	7/57:2	Right-hand rear ABS sensor	Y	4/16:42	Brake Control Module (BCM)	Y-W
11	7/56:1	Left-hand rear ABS sensor	BN	4/16:36	Brake Control Module (BCM)	BN-OR
12	7/56:2	Left-hand rear ABS sensor	Y	4/16:37	Brake Control Module (BCM)	Y-VO
13	11C/9:2	Fuse in passenger compartment fuse box, V70	BL-R	4/16:4	Brake Control Module (BCM)	BL-R
	11C/17:2	Fuse in passenger compartment fuse box, XC90				

54/3LC

6-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	54/34:1	Connector, LHD	GN-GR	15/31C5:13	Engine compartment distribution box, LHD	GN-GR
2	54/10:6	Connector	BN	53/324 4/46B:4	Junction point Engine Control Module (ECM)	BN
3	54/10:5	Connector	W	4/46B:29	Engine Control Module (ECM)	OR-W
4	4/56A:20 3/1:7	Central Electronic Module CEM Ignition switch	Y-W	15/31C4:16 4/46B:23	Engine compartment distribution box Engine Control Module (ECM)	GN-R
5	2/101:1	Relay for extended D2 feed, auto- matic transmission	VO-W	4/28A:35	Transmission Control Module (TCM)	VO-W
6	20/32:2	Shunt, direction indicator CEM left, V70	GN	10/15:2 10/1B:2	Direction indicator, left front fender, V70 Front left lamp housing, V70	GN
	53/506	Junction point, XC90		10/1A:9	Front left lamp housing, XC90	

54/3LD

4-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	6/35:1	Fuel pump, auxiliary heater	Y	54/9:2	Connector	Y
2	53/402	Junction point, V70	R	15/31C1:2	Engine compartment distribution box, V70	R-W
3	53/403	Junction point	R	15/31C2:1	Engine compartment distribution box	R
4	20/34:2	Shunt, direction indicator CEM right, V70	GN-W	10/16:2 10/2B:2	Direction indicator, right front fender, V70 Front right lamp housing, V70	GN-W
	53/507	Junction point, XC90		10/2A:9	Front right lamp housing, XC90	

54/3LE
6-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	53/443	Junction point	BL-R	4/46B:37	Engine Control Module (ECM)	BL-R
2	2/63:1 4/9:48	High beam relay Control module, Supplemental Restraint System (SRS)	BL	15/31C3:3	Engine compartment distribution box	BL
3	2/62:1	Relay, low beam/Bi-Xenon	GR	15/31C3:1	Engine compartment distribution box	BL-W
4	4/9:48	Control module, Supplemental Restraint System (SRS), XC90	OR-SB	54/113:2	Connector, XC90	OR-SB
5	4/9:49	Control module, Supplemental Restraint System (SRS), XC90	OR	54/113:1	Connector, XC90	OR
6	2/34:1	Fog light relay, front	P	10/6:1 10/5:1	Front right fog light Front left fog light	P

54/3LF
13-pin white

No.	Passenger compartment harness			Engine compartment harness		
1	5/1:4	Driver Information Module (DIM)	GR	4/46B:46	Engine Control Module (ECM)	GR
2	4/56A:5	Central Electronic Module CEM	R-W	15/31C4:1	Engine compartment distribution box	R-W
3	4/56A:1	Central Electronic Module CEM	Y-GR	3/10:1	Reversing light contact	Y-GR
4	4/56D:9	Central Electronic Module CEM	Y	8/37B:1 54/58:1	Automatic transmission Connector	BL-Y
5	4/56D:6 17/13:7	Central Electronic Module CEM Data link connector	W	4/46B:22 4/28B:22	Engine Control Module (ECM) Transmission Control Module (TCM)	W-SB
6	3/156A:2	Gear Selector Module (GSM)	GN-W	4/28B:21	Transmission Control Module (TCM)	GN-SB
7	11C/38:2	Fuse in passenger compartment fuse box, V70	R	16/35:1	Siren Control Module (SCM)	R
	11C/28:2	Fuse in passenger compartment fuse box, XC90				
8	4/56B:16 7/149:4 54/13:14	Central Electronic Module CEM Rain sensor Connector	W	6/1:3	Windshield wiper motor	BL-W
9	5/1:5	Driver Information Module (DIM)	Y-R	7/4:1	Brake fluid level sensor	Y-R
10	11C/31:2	Fuse in passenger compartment fuse box, V70	GR	53/379	Junction point, V70	GR
	11C/33:2	Fuse in passenger compartment fuse box, XC90		10/2A:3	Front right lamp housing, XC90	
continues						

Connector

54/3LF:11-13 - 54/3LG:1-11

54/3LF

13-pin white

No.	Passenger compartment harness			Engine compartment harness		
11	11C/30:2	Fuse in passenger compartment fuse box, V70	W	53/378	Junction point, V70	W
	11C/32:2	Fuse in passenger compartment fuse box, XC90		10/1A:3	Front left lamp housing, XC90	
12	53/437	Junction point	VO-W	54/9:4	Connector	VO-W
13	4/56A:18 3/111:3	Central Electronic Module CEM Light Switch Module LSM	GN-W	54/9:6	Connector	GN-W

54/3LG

13-pin

No.	Passenger compartment harness			Engine compartment harness		
1	4/56A:12	Central Electronic Module (CEM), V70	W	6/71:5	Right-hand window antenna amplifier (1) V70	GN-W
	4/9:46	Control module, Supplemental Restraint System (SRS), XC90	GN-OR	54/122:1	Connector, XC90	GN-OR
2	4/9:47	Control module, Supplemental Restraint System (SRS), XC90	OR	54/122:2	Connector, XC90	OR
3	4/56D:10	Central Electronic Module (CEM) XC90	W	4/99:2	Electronic power steering control module, XC90	W
4	11C16/2	Fuse in passenger compartment fuse box, XC90	BL-R	4/99:4	Electronic power steering control module, XC90	BL-R
5	54/13:15	Connector	P	16/35:2	Siren Control Module (SCM)	P
6	53/430	Junction point	W	4/46B:13 4/28B:14	Engine Control Module (ECM) Transmission Control Module (TCM)	W
7	53/431	Junction point	GN	4/46B:1 4/28B:2	Engine Control Module (ECM) Transmission Control Module (TCM)	GN
8	4/56C:6	Central Electronic Module CEM	BN-W	54/8:2	Connector	BN-W
9	4/56A:4	Central Electronic Module CEM	Y	54/4:3	Connector, V70	Y
				3/62:1	Hood alarm contact, XC90	
10	4/56B:15	Central Electronic Module CEM	Y	6/2:3	Windshield washer pump	GN-Y
11	4/56A:9	Central Electronic Module CEM	GN-R	6/38:2	Left-hand headlight adjustment motor, V70	GN-R
				6/39:2	Right-hand headlight adjustment motor, V70	
				10/1A:8 10/2A:8	Front left lamp housing, XC90 Front right lamp housing, XC90	
continues						

54/3LG
13-pin

No.	Passenger compartment harness			Engine compartment harness		
12	4/56B:4	Central Electronic Module CEM	Y	4/46B:26 3/9:5	Engine Control Module (ECM) Brake light contact	Y
13	11C/12:2	Fuse in passenger compartment fuse box, V70	VO	53/380	Junction point	VO
	11C/9:2	Fuse in passenger compartment fuse box, XC90				

54/3LH
2-pin black

No.	Passenger compartment harness			Engine compartment harness	
1	53/415	Junction point	R	15/31C1:1 Engine compartment distribution box, V70	R-SB
2	-		-	-	-

54/3RB
13-pin gray

No.	Engine compartment harness RHD		Passenger compartment harness		
1-8	-		-	-	
9	10/1A:6	Front left lamp housing, XC90	BL-GN	11C/30:2	Fuse in passenger compartment fuse box, XC90
10	10/2A:6	Front right lamp housing, XC90	BL-P	11C/31:2	Fuse in passenger compartment fuse box, XC90
11-13	-		-	-	

54/3RD
4-pin gray

No.	Engine compartment harness RHD		Passenger compartment harness	
1	-	-	-	-
2	15/31C1:1 Engine compartment distribution box, XC90	R-SB	53/415 Junction point, XC90	R
3	-	-	-	-
4	-	-	-	-

Connector

54/4 - 54/9

54/4

4-pin dark gray

No.	Engine compartment harness		Front harness		
1	15/31C6:11	Engine compartment distribution box, V70	R-SB	16/10:1 Horn 1, V70	R-SB
2	15/31C6:11	Engine compartment distribution box, V70	R-SB	16/11:1 Horn 2, V70	R-SB
3	54/3LG:9	Connector, V70	Y	3/62:1 Hood alarm contact, V70	Y
4	53/331	Junction point, V70	SB	53/382 Junction point, V70	SB

54/7

6-pin dark gray

No.	Engine compartment harness		Engine harness		
1	-	-	-	-	-
2	-	-	-	-	-
3	4/46B:32	Engine Control Module (ECM)	W	6/105:1 Fuel distributor, gas	W
4	4/46B:50	Engine Control Module (ECM)	P-SB	6/105:2 Fuel distributor, gas	P-SB
5	4/46B:39	Engine Control Module (ECM)	VO	8/75:1 Valve, fuel cut-off DFCO	VO
6	-	-	-	-	-

54/8

2-pin dark gray

No.	Engine compartment harness		Auxiliary light harness		
1	15/31C6:3	Engine compartment distribution box	R-SB	30 feed	-
2	54/3LG:8	Connector	BN-W	Signal ground	-

54/9

6-pin dark gray

No.	Engine compartment harness		Heater harness		
1	15/31C6:7	Engine compartment distribution box	R	4/7:9 Combustion Preheater Module (CPM)	R
2	54/3LD:1	Connector	Y	9/30 Auxiliary heater	Y
3	53/331	Junction point	BN-SB	4/7:3 Combustion Preheater Module (CPM) 9/30 Auxiliary heater	SB
4	54/3LF:12	Connector	VO-W	4/7:15 Combustion Preheater Module (CPM)	VO-W
5	-	-	-	-	-
6	54/3LF:13	Connector	GN-W	4/7:6 Combustion Preheater Module (CPM)	GN-W

54/10
12-pin black

No.	Passenger compartment harness			Front left door harness		
1	11C/35:2	Fuse in passenger compartment fuse box, V70	R	3/126B:12	Driver/Passenger Door Module (DDM/PDM)	R
	11C/5:2	Fuse in passenger compartment fuse box, XC90				
2	-		-	-		-
3	53/516	Junction point	W	3/126A:2	Driver/Passenger Door Module (DDM/PDM)	W
4	53/517	Junction point	GN	3/126A:3	Driver/Passenger Door Module (DDM/PDM)	GN
5	54/3LC:3	Connector	W	6/62:2	Left-hand power door mirror	W
6	54/3LC	Connector	BN	6/62:3	Left-hand power door mirror	BN
7	53/506	Junction point, XC90	GN	10/15:2	Direction indicator, left front door, XC90	GN
8	4/56D:7	Central Electronic Module CEM	P	3/74:3	Left-hand front door lock unit	P
9	16/1B:1	Audio, V70	GR-R	53/519	Junction point	GR-R
	54/14:1	Connector, V70				
	16/105B:9	Audio control module AUD, XC90				
10	16/1B:2	Audio, V70	GR	53/520	Junction point	GR
	54/14:2	Connector, V70				
	16/105B:1	Audio control module AUD, XC90				
11	53/500	Junction point	SB	3/126B:5	Driver/Passenger Door Module (DDM/PDM), V70	SB
				53/514	Junction point, XC90	
12	-		-	-		-

54/11
12-pin black

No.	Passenger compartment harness			Front right door harness		
1	11C/36:2	Fuse in passenger compartment fuse box, V70	R	3/127B:12	Passenger/Driver Door Module (PDM/DDM)	R
	11C/6:2	Fuse in passenger compartment fuse box, XC90				
2	-		-	-		-
3	53/433	Junction point	W	3/127A:2	Passenger/Driver Door Module (PDM/DDM)	W
continues						

54/13
22-pin black

No.	Passenger compartment harness		Roof harness		
1	11C28:2	Fuse in passenger compartment fuse box, V70	R	53/534 Junction point	R
	11C/14:2	Fuse in passenger compartment fuse box, XC90			
2-4	-	-	-	-	-
5	53/516	Junction point	W	4/70:3 Upper Electronic Module UEM	W
6	53/517	Junction point	GN	4/70:5 Upper Electronic Module UEM	GN
7-10	-	-	-	-	-
11	4/56B:5	Central Electronic Module CEM	Y-R	-	-
12-13	-	-	-	-	-
14	54/3LF:8	Connector	W	54/16:4 Connector	W
15	54/3LG:5	Connector	P	4/33:4 Sunroof control module SRM 4/70:21 Upper Electronic Module UEM	P
16	4/56A:15	Central Electronic Module (CEM), V70	Y	7/136A:1 Right-hand glass breakage sensor, V70	Y
17-19	-	-	-	-	-
20	31/83	Ground connection, XC90	BN	53/503 Junction point	BN
21	11C/34	Fuse in passenger compartment fuse box, V70	R	4/33A:1 Sunroof control module SRM	R
	11C/26:2	Fuse in passenger compartment fuse box, XC90			
22	53/405	Junction point	SB	4/33A:10 Sunroof control module SRM	SB

54/14
12-pin light gray

No.	Passenger compartment harness		Airbag (SRS) harness		
1	54/10:9	Connector	GR-R	16/2B:1 Amplifier	GR-R
2	54/10:10	Connector	GR	16/2B:2 Amplifier	GR
3	-	-	-	-	-
4	-	-	-	-	-
5	54/11:9	Connector	GR-R	16/2B:5 Amplifier	GR-R
6	54/11:10	Connector	GR	16/2B:6 Amplifier	GR
7	53/523	Junction point	GR-W	16/2B:7 Amplifier	GR-W
8	53/524	Junction point	GR	16/2B:8 Amplifier	GR

Connector

54/14:9-12 - 54/20

54/14

12-pin light gray

No.	Passenger compartment harness		Airbag (SRS) harness	
9	-	-	-	-
10	-	-	-	-
11	53/525	Junction point	GR-W	16/2B:11 Amplifier
12	53/526	Junction point	GR	16/2B:12 Amplifier

54/16

5-pin green

No.	Roof harness		Rain sensor harness	
1	4/70:13	Upper Electronic Module UEM	GN	7/149:1 Rain sensor
2	53/503	Junction point	BN	7/149:2 Rain sensor
3	53/305	Junction point	VO-W	7/149:3 Rain sensor
4	54/13:14	Connector	W	7/149:4 Rain sensor
5	-	-	-	-

54/20

12-pin black

No.	Passenger compartment harness		Rear left door harness	
1	53/523	Junction point	GR-W	16/6:1 Left-hand rear door speaker
2	53/524	Junction point	GR	16/6:2 Left-hand rear door speaker
3	4/56B:12	Central Electronic Module CEM	P	3/76:2 Left-hand rear door lock unit
4	4/56B:13	Central Electronic Module CEM	BL	3/76:5 Left-hand rear door lock unit
5	53/446	Junction point	Y	3/85:1 Rear left door power window switch
			53/527	Junction point
6	2/118:1	Rear power window down relay	BL	3/85:3 Rear left door power window switch
7	-	-	-	-
8	2/116:1	Rear power window up relay	GN-BN	3/85:5 Rear left door power window switch
9	54/40:4	Connector	VO	3/76:8 Left-hand rear door lock unit
			2/138:1	Deadlock relay, left-hand rear door
10	54/40:3	Connector	GR	3/76:6 Left-hand rear door lock unit
11	54/40:2	Connector	Y	3/76:4 Left-hand rear door lock unit
12	53/500	Junction point	SB	53/531 Junction point

54/21
12-pin black

No.	Passenger compartment harness			Rear right door harness		
1	53/525	Junction point	GR-W	16/5:1	Right-hand rear door speaker	GR-W
2	53/526	Junction point	GR	16/5:2	Right-hand rear door speaker	GR
3	4/56C:18	Central Electronic Module CEM	P	3/77:2	Right-hand rear door lock unit	P
4	4/56C:3	Central Electronic Module CEM	BL	3/77:5	Right-hand rear door lock unit	BL
5	53/446	Junction point	Y	3/86:1 53/528	Rear right door power window switch Junction point	Y
6	2/119:1	Right rear power window down relay	BL	3/86:3	Rear right door power window switch	BL
7	53/504	Junction point	W	-	-	-
8	2/117:1	Right rear power window up relay	GN-BN	3/86:5	Rear right door power window switch	GN-BN
9	54/43:5	Connector	VO	3/77:8 2/139:1	Right-hand rear door lock unit Deadlock relay, right-hand rear door	VO
10	54/43:12	Connector	GR	3/77:6	Right-hand rear door lock unit	GR
11	54/43:2	Connector	Y	3/77:4	Right-hand rear door lock unit	Y
12	53/501	Junction point	SB	53/532	Junction point	SB

54/24
13-pin black

No.	Passenger compartment harness			Front left seat harness		
1	11C/7:2	Fuse in passenger compartment fuse box, V70	BL-R	9/12:1	Left seat heater	-
	11C/18:2	Fuse in passenger compartment fuse box, XC90				
2	4/56B:11	Central Electronic Module CEM	Y-GR	9/12:2	Left seat heater	-
3	53/500 4/52:B4	Junction point Power Seat Module (PSM)	SB	9/12:5	Left seat heater	-
4	53/419 4/9:25	Junction point Control module, Supplemental Restraint System (SRS)	VO	3/93:1	Switch, left-hand seat belt buckle	-
5	4/56B:9 4/9:26	Central Electronic Module CEM Control module, Supplemental Restraint System (SRS)	OR-SB	3/93:2	Switch, left-hand seat belt buckle	-
6	-	-	-	-	-	-
7	4/9:4	Control module, Supplemental Restraint System (SRS)	OR	8/51:1	Front left side airbag igniter	BL
8	4/9:3	Control module, Supplemental Restraint System (SRS)	BL-OR	8/51:2	Front left side airbag igniter	BN
continues						

Connector

54/24:9-13 - 54/25

54/24

13-pin black

No.	Passenger compartment harness			Front left seat harness		
9	16/60:5	Phone Module (PHM), LHD, V70	GR-R	16/78:1	Speaker, mobile telephone, V70	GR-R
	54/40:12	Connector, RHD, XC90	Y	7/175:1	Passenger seat weight sensor, RHD, XC90	Y
10	16/60:4	Phone Module (PHM), LHD, V70	GR	16/78:2	Speaker, mobile telephone, V70	GR
	54/40:11	Connector, RHD, XC90	VO	7/175:2	Passenger seat weight sensor, RHD, XC90	VO
11	11C/4:2	Fuse in passenger compartment fuse box, RHD	R	3/27A:1	Power passenger seat module	-
12	11C/14:2	Fuse in passenger compartment fuse box, V70	VO	3/27A:2	Power passenger seat module	-
	11C/10:2	Fuse in passenger compartment fuse box, XC90				
13	53/500	Junction point, RHD	SB	3/27A:3	Power passenger seat module	-

54/25

13-pin black

No.	Passenger compartment harness			Front right seat harness		
1	11C/8:2	Fuse in passenger compartment fuse box, V70	BL-R	9/13:1	Right seat heater	-
	11C/19:2	Fuse in passenger compartment fuse box, XC90				
2	4/56C:4	Central Electronic Module CEM	Y-GR	9/13:2	Right seat heater	-
3	53/501 4/52B:4	Junction point Power Seat Module (PSM), RHD	SB	9/13:5	Right seat heater	-
4	53/419 4/9:81	Junction point Control module, Supplemental Restraint System (SRS)	VO	3/94:1	Switch, right-hand seat belt buckle	-
5	4/56C:2 4/9:82	Central Electronic Module CEM Control module, Supplemental Restraint System (SRS)	OR-SB	3/94:2	Switch, right-hand seat belt buckle	-
6	-	-	-	-	-	-
7	4/9:60	Control module, Supplemental Restraint System (SRS)	OR	8/52:1	Front right side airbag igniter	BL
8	4/9:59	Control module, Supplemental Restraint System (SRS)	BL-OR	8/52:2	Front right side airbag igniter	BN

54/25
13-pin black

No.	Passenger compartment harness			Front right seat harness		
9	16/60:5	Phone Module (PHM), RHD, V70	GR-R	16/78:1	Speaker, mobile telephone, V70	GR-R
	54/40:12	Connector, LHD, XC90	Y	7/175:1	Passenger seat weight sensor, LHD, XC90	Y
10	16/60:4	Phone Module (PHM), RHD, V70	GR	16/78:2	Speaker, mobile telephone, V70	GR
	54/40:11	Connector, LHD, XC90	VO	7/175:2	Passenger seat weight sensor, LHD, XC90	VO
11	11C/4:2	Fuse in passenger compartment fuse box, LHD	R	3/27A:1	Power passenger seat module	-
12	11C/14:2	Fuse in passenger compartment fuse box, LHD, V70	VO	3/27A:2	Power passenger seat module	-
	11C/10:2	Fuse in passenger compartment fuse box, LHD, XC90				
13	53/501	Junction point, LHD	SB	3/27A:3	Power passenger seat module	-

54/32
3-pin light gray

No.	Cargo compartment harness			Rear left angle sensor harness		
1	4/58B:10	Rear Electronic Module REM	GN-R	7/120:5	Rear left angle sensor	BL-R
2	4/58B:8	Rear Electronic Module REM	GR	7/120:4	Rear left angle sensor	GR-W
3	4/58B:6	Rear Electronic Module REM	BN-W	7/120:1	Rear left angle sensor	BN

54/34
4-pin light gray

No.	Passenger compartment harness			Fuel leakage pump harness		
1	54/3LC:1	Connector	GN-GR	6/67:4	Pump, fuel leakage control	GN-GR
2	2/143:3	Relay, fuel leakage control, LHD	GN-R	6/67:2	Pump, fuel leakage control	GN-R
3	54/3LA:4	Connector	GN	6/67:3	Pump, fuel leakage control	GN
4	54/3LB:4	Connector, LHD	BL-SB	6/67:1	Pump, fuel leakage control	BL-SB

Connector

54/35 - 54/40:1-8

54/35

4-pin light gray

No.	Cargo compartment harness			Heated fuel filter harness		
1	2/142:4	Relay, preheated fuel filter	Y	8/85:1	Thermostatic switch, fuel filter	Y
2	4/58D:16	Rear Electronic Module REM	SB	8/85:2	Thermostatic switch, fuel filter	SB
3	2/142:1	Relay, preheated fuel filter	BL	9/38:1	Electrically heated fuel filter	BL
4	53/604	Junction point	SB	9/38:2	Electrically heated fuel filter	SB

54/39

4-pin orange

No.	Passenger compartment harness			Seat belt tensioner harness (SRS)		
1	4/9:72	Control module, Supplemental Restraint System (SRS), V70	OR	8/56:1	Right rear belt tensioner igniter, V70	OR
2	4/9:71	Control module, Supplemental Restraint System (SRS), V70	BL-OR	8/56:2	Right rear belt tensioner igniter, V70	BL-OR
3	4/9:80	Control module, Supplemental Restraint System (SRS), V70	OR	8/62:1	Center rear belt tensioner igniter, V70	OR
4	4/9:79	Control module, Supplemental Restraint System (SRS), V70	GN-OR	8/62:2	Center rear belt tensioner igniter, V70	GN-OR

54/40

14-pin light gray

No.	Passenger compartment harness			Cargo compartment harness		
1	11C/30:2	Fuse in passenger compartment fuse box, V70	W	20/28:3	Shunt, parking light REM	W
	11C/32:2	Fuse in passenger compartment fuse box, XC90				
2	54/20:11	Connector	Y	53/627	Junction point	Y
3	54/20:10	Connector	GR	2/112:1	Unlocking relay, left-hand rear	GR-SB
4	54/20:9	Connector	VO	2/115:1	Relay, deadlock, rear doors	VO
5	53/435	Junction point	GN	4/58A:16	Rear Electronic Module REM	GN
6	53/436	Junction point	W	53/664	Junction point	W
				4/58A:14	Rear Electronic Module REM	
7	20/32:2	Shunt, indicator CEM, left	GN	53/663	Junction point	GN
				10/18B:1	Rear left lamp housing, V70	
8	11C/31:2	Fuse in passenger compartment fuse box, V70	GR	54/51:10	Connector, XC90	GR
	11C/33:2	Fuse in passenger compartment fuse box, XC90				
53/609		Junction point				

54/40
14-pin light gray

No.	Passenger compartment harness			Cargo compartment harness		
9	53/523	Junction point	GR-W	16/57:1 53/654	Speaker, left-hand D-pillar Junction point	GR-W
10	53/524	Junction point	GR	16/57:2 53/655	Speaker, left-hand D-pillar Junction point	GR
11	54/24:10 54/25:10	Connector, RHD, XC90 Connector, LHD, XC90	VO	4/58B:20	Rear Electronic Module REM	VO
12	11C/6:2	Fuse in passenger compartment fuse box, V70	BL-R	2/140:3	Relay, CNG/LPG, V70	BL-R
	54/25:9 54/24:9	Connector, LHD, XC90 Connector, RHD, XC90	Y	4/58B:19	Rear Electronic Module (REM) XC90	Y
13	4/56/B:6	Central Electronic Module CEM	GN-Y	4/58A4	Rear Electronic Module REM	BL
	53/454	Junction point, XC90	VO	2/157:4	Bass speaker system relay, XC90	VO
14	54/74:1	Connector	BL	11D/17:2	Fuse in cargo compartment fuse box	BL

54/40B
8-pin gray

	Cargo compartment harness			Passenger compartment harness		
1	8/66:2	Left-hand inflatable curtain igniter, XC90	OR-W	4/9:22	Control module, Supplemental Restraint System (SRS), XC90	OR-SB
2	8/66:1	Left-hand inflatable curtain igniter, XC90	OR	4/9:21	Control module, Supplemental Restraint System (SRS), XC90	OR
3	8/94:2	Left-hand belt tensioner igniter, third row of seats, XC90	GN-OR	4/9:11	Control module, Supplemental Restraint System (SRS), XC90	GN-OR
4	8/94:1	Left-hand belt tensioner igniter, third row of seats, XC90	OR	4/9:12	Control module, Supplemental Restraint System (SRS), XC90	OR
5	8/96:2	Left-hand inflatable curtain igniter, third row of seats, XC90	OR-SB	4/9:14	Control module, Supplemental Restraint System (SRS), XC90	BL-OR
6	8/96:1	Left-hand inflatable curtain igniter, third row of seats, XC90	OR	4/9:13	Control module, Supplemental Restraint System (SRS), XC90	OR
7	-	-	-	-	-	-
8	-	-	-	-	-	-

Connector

54/43 - 54/43B

54/43

14-pin light gray

No.	Passenger compartment harness		Cargo compartment harness			
1	-	-	-	-	-	
2	54/21:11	Connector	Y	53/627	Junction point	Y
3	6/33:2	Fuel pump	BN	4/58A:10 53/608	Rear Electronic Module REM Junction point	BN
4	6/33:3	Fuel pump	GN	4/58A:2	Rear Electronic Module REM	GN
5	54/21:9	Connector	VO	2/115:1	Relay, deadlock, rear doors	VO
6	6/33:1	Fuel pump	BL	4/58A:8	Rear Electronic Module REM	BL
7	20/34:2	Shunt, indicator CEM, right	GN-W	10/17B:1	Right rear lamp housing, V70	GN-W
				54/51:9	Connector, XC90	
8	11C/20:2 11C/29:2	Fuse in passenger compartment fuse box, V70 Fuse in passenger compartment fuse box, XC90	BL	4/58F:1	Rear Electronic Module REM	BL
9	53/525	Junction point	GR-W	16/58:1 53/652	Speaker, right-hand D-pillar Junction point	GR-W
10	53/526	Junction point	GR	16/58:2 53/653	Speaker, right-hand D-pillar Junction point	GR
11	4/56C:5	Central Electronic Module CEM	P	54/78:4	Connector	P
12	54/21:10	Connector	GR	2/114:1	Unlocking relay, rear right	GR
13	4/56B:6	Central Electronic Module CEM	GN-Y	4/58A:4	Rear Electronic Module REM	GN-Y
14	-	-	-	-	-	-

54/43B

8-pin gray

No.	Harness, third row of seats			Passenger compartment harness		
1	8/67:1	Right-hand inflatable curtain igniter, XC90	OR	4/9:77	Control module, Supplemental Restraint System (SRS), XC90	OR
2	8/67:2	Right-hand inflatable curtain igniter, XC90	OR-W	4/9:78	Control module, Supplemental Restraint System (SRS), XC90	OR-SB
3	8/95:1	Right-hand belt tensioner igniter, third row of seats, XC90	OR	4/9:69	Control module, Supplemental Restraint System (SRS), XC90	OR
4	8/95:2	Right-hand belt tensioner igniter, third row of seats, XC90	OR:W	4/9:70	Control module, Supplemental Restraint System (SRS), XC90	OR-W
5	8/97:1	Right-hand inflatable curtain igniter, third row of seats, XC90	OR	4/9:67	Control module, Supplemental Restraint System (SRS), XC90	OR
6	8/97:2	Right-hand inflatable curtain igniter, third row of seats, XC90	GR-OR	4/9:68	Control module, Supplemental Restraint System (SRS), XC90	GR-OR
7	-	-	-	-	-	-
8	-	-	-	-	-	-

54/44
4-pin orange

No.	Passenger compartment harness			Left-hand inflatable curtain harness		
1	4/9:21	Control module, Supplemental Restraint System (SRS), V70	OR	8/66:1	Left-hand inflatable curtain igniter, V70	OR
2	4/9:22	Control module, Supplemental Restraint System (SRS), V70	OR-SB	8/66:2	Left-hand inflatable curtain igniter, V70	OR-W
3	-	-	-	-	-	-
4	16/1A:9	Audio, V70	BL-W	16/16:2	Left-hand window antenna amplifier, V70	BL-W

54/45
2-pin orange

No.	Passenger compartment harness			Right-hand inflatable curtain harness		
1	4/9:77	Control module, Supplemental Restraint System (SRS), V70	OR	8/67:1	Right-hand inflatable curtain igniter, V70	OR
2	4/9:78	Control module, Supplemental Restraint System (SRS), V70	OR-SB	8/67:2	Right-hand inflatable curtain igniter, V70	OR-W

54/51
13-pin light gray

No.	Cargo compartment harness			Towing bracket wiring	
1	11D/15:2	Fuse in cargo compartment fuse box	BL	15l feed	-
2	11D/9:2	Fuse in cargo compartment fuse box	R	30 feed	-
3	-		-	-	-
4	2/79:1	Brake light relay	Y	Brake lights	-
5	2/83:1	Trailer fog light relay	P	Rear fog light	-
6	-		-	-	-
7	31/73	Ground connection	SB	Ground connection	-
8	53/609	Junction point	GR	Right-hand parking light	-
9	54/43:7	Connector	GN-W	Right-hand direction indicator	-
	10/17B:1	Right rear lamp housing, V70			
	10/17A:2	Right rear lamp housing, XC90			
continues					

Connector

54/51:10-13 - 54/54

54/51

13-pin light gray

No.	Cargo compartment harness			Towing bracket wiring	
10	54/40:7	Connector	GN	Left-hand direction indicator	-
	10/18B:1	Rear left lamp housing, V70			
	10/18A:2	Left rear lamp housing, XC90			
11	20/28:3	Shunt, parking light REM	W	Left-hand parking light	-
12	53/615	Junction point	BL	Reversing lights	-
13	-		-	-	-

54/53

4-pin black

No.	Engine harness ME7			Knock sensor		
1	4/46A:46	Engine Control Module (ECM)	BN-SB	7/24:1	Front knock sensor	-
2	4/46A:64	Engine Control Module (ECM)	SB	7/24:2	Front knock sensor	-
3	4/46A:45	Engine Control Module (ECM)	BN	7/23:1	Rear knock sensor	-
4	4/46A:67	Engine Control Module (ECM)	Y-SB	7/23:2	Rear knock sensor	-

54/54

8-pin light gray

No.	Cargo compartment harness			Fuel tank harness CNG/LPG		
1	4/58B:5	Rear Electronic Module REM	GR-R	7/156:1	Pressure and temperature sensor CNG	GR-R
2	4/58B:16	Rear Electronic Module REM	VO	7/156:2	Pressure and temperature sensor CNG	VO
3	4/58C:1	Rear Electronic Module REM	Y	7/156:3	Pressure and temperature sensor CNG	Y
4	4/58C:2	Rear Electronic Module REM	Y-GR	7/156:4	Pressure and temperature sensor CNG	Y-GR
5	4/58A:2	Rear Electronic Module REM	GN	7/153:1	Sensor, fuel level LPG	GN-Y
6	53/608	Junction point	BN	7/153:2	Sensor, fuel level LPG	BN
7	2/140:1	Relay CNG/LPG	Y-R	8/88:1 8/76:2	Solenoid, rear CNG fuel tank Gas tank valve	Y-R
8	53/604	Junction point	SB	8/88:2 8/76:1	Solenoid, rear CNG fuel tank Gas tank valve	SB

54/55

3-pin dark gray

No.	Engine compartment harness			Brake pressure sensor harness		
1	4/16:19	Brake Control Module (BCM)	GN-BN	7/129:1	Brake pressure sensor 2	BN
2	4/16:20	Brake Control Module (BCM)	GN-W	7/129:2	Brake pressure sensor 2	W
3	4/16:18	Brake Control Module (BCM)	GR-W	7/129:3	Brake pressure sensor 2	GR

54/56

3-pin dark gray

No.	Engine compartment harness			Brake pressure sensor harness		
1	4/16:21	Brake Control Module (BCM)	BL-BN	7/139:1	Brake pressure sensor 1	BN
2	4/16:23	Brake Control Module (BCM)	OR-W	7/139:2	Brake pressure sensor 1	W
3	4/16:22	Brake Control Module (BCM)	GR-OR	7/139:3	Brake pressure sensor 1	GR

54/57

4-pin dark gray

No.	Engine compartment harness			Automatic transmission harness		
1	4/28A:41	Transmission Control Module (TCM)	Y-SB	8/37:V	Automatic transmission	Y-SB
2	4/28A:59	Transmission Control Module (TCM)	Y-R	8/37:S	Automatic transmission	Y-R
3	4/28A:39	Turbocharger control valve	SB	7/62:2	Output speed sensor	SB
4	4/28A:57	Turbocharger control valve	Y	7/62:1	Output speed sensor	Y

54/58

8-pin dark gray

No.	Engine compartment harness			Automatic transmission harness		
1	54/3LF:4	Connector	BL-Y	54/58:3	Connector	Y
2	53/331	Junction point	BN-SB	-		-
3	4/28A:44	Turbocharger control valve	Y-GR	54/58:1	Connector	Y
4	53/331	Junction point	BN-SB	53/356	Junction point	SB
5	4/28A:46	Transmission Control Module (TCM)	W	8/37:F	Automatic transmission	W
6	4/28A:64	Transmission Control Module (TCM)	Y	8/37:G	Automatic transmission	Y
7	4/28A:45	Transmission Control Module (TCM)	GN	8/37:H	Automatic transmission	GN
8	4/28A:63	Transmission Control Module (TCM)	BL	8/37:J	Automatic transmission	BL

Connector 54/59 - 54/66B

54/59 6-pin dark gray

No.	Engine compartment harness			Automatic transmission harness		
1	4/28A:50	Transmission Control Module (TCM)	GN-W	8/37:A	Automatic transmission	GN-W
2	4/28A:68	Transmission Control Module (TCM)	BN-W	8/37:B	Automatic transmission	BN-W
3	4/28A:48	Transmission Control Module (TCM)	W-SB	-		-
4	4/28A:47	Transmission Control Module (TCM)	R-W	-		-
5	4/28A:66	Transmission Control Module (TCM)	BL-W	-		-
6	4/28A:65	Transmission Control Module (TCM)	GR-OR	8/37:U	Automatic transmission	GR-OR

54/60 8-pin dark gray

No.	Engine compartment harness			Automatic transmission harness		
1	4/28A:51	Transmission Control Module (TCM)	BN	8/37:T	Automatic transmission	BN
2	4/28A:69	Transmission Control Module (TCM)	Y-W	-		-
3	4/28A:52	Transmission Control Module (TCM)	GR	8/37:C	Automatic transmission	GR
4	4/28A:70	Transmission Control Module (TCM)	VO-W	8/37:D	Automatic transmission	VO-W
5	4/28A:49	Transmission Control Module (TCM)	GN-R	-		-
6	4/28A:67	Transmission Control Module (TCM)	BN-SB	-		-
7	4/28A:37	Transmission Control Module (TCM)	BL-R	8/37:L	Automatic transmission	BL-R
8	4/28A:55	Transmission Control Module (TCM)	BL-SB	8/37:M	Automatic transmission	BL-SB

54/66A 2-pin gray

	Cargo compartment harness			Bass speaker harness		
1	53/605	Junction point, XC90	SB	16/79A:1	Bass speaker system SUB, XC90	SB
2	2/157	Bass speaker system relay, XC90	R-W	16/79A:3	Bass speaker system SUB, XC90	RW

54/66B 2-pin black

	Cargo compartment harness			Bass speaker harness		
1	16/110B:1	Antenna control module ATM, XC90	OR	16/79B:2	Bass speaker system SUB, XC90	OR
2	54/109:2	Connector, XC90	OR	16/79B:2	Bass speaker system SUB, XC90	OR

54/74
4-pin light gray

No.	Passenger compartment harness			Harness, Differential Electronic Module DEM		
1	54/40:14	Connector	BL	4/82:1	Differential Electronic Module DEM	BL-R
2	53/512	Junction point	W	4/82:8	Differential Electronic Module DEM	W
3	53/513	Junction point	GN	4/82:7	Differential Electronic Module DEM	GN
4	53/500	Junction point	SB	4/82:2	Differential Electronic Module DEM	BN

54/78
14-pin light gray

No.	Tailgate harness			Cargo compartment harness		
1	9/2C:1	Heated rear window, V70	R	2/82:3	Relay, heated rear window	R
	9/2C:1	Heated rear window, XC90	W			
2	10/3:1	License plate lighting, V70	GR	53/906	Junction point	GR
	10/3:1	License plate lighting, XC90	W			
3	10/19:1	Auxiliary brake light, V70	Y	4/58D:4	Rear Electronic Module REM	Y-R
	10/19:1	Auxiliary brake light, XC90	W			
4	3/78:1	Tailgate lock unit, V70	P	54/43:11	Connector	P
	3/78:1	Tailgate lock unit, XC90	W			
5	10/172:2	Reading light, third row of seats, XC90	W	4/58E:2	Rear Electronic Module REM	W
6	10/3:2	License plate lighting, V70	SB	53/601	Junction point	SB
	53/606	Junction point, XC90	W			
7	6/32:3	Rear window wiper motor, V70	SB	53/601	Junction point	SB
	6/32:3	Rear window wiper motor, XC90	W			
8	6/32:1	Rear window wiper motor	W	2/72:1	Relay, rear window wiper	Y
9	6/32:2	Rear window wiper motor	W	2/16:1	Relay, intermittent rear window wiping on/off	W
10	3/78:7	Tailgate lock unit, V70	Y	53/627	Junction point	Y
	3/78:5	Tailgate lock unit, XC90	W			
11	3/78:6	Tailgate lock unit, V70	GR	2/87:1	Unlocking relay, tailgate	GR
	3/78:4	Tailgate lock unit, XC90	W			
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	7/137B:1	Glass breakage sensor, tailgate, V70	SB	31/47A:1 53/605	Ground connection Junction point, Bass speaker	SB
	9/2B:1	Heated rear window, V70				
	9/2B:1	Heated rear window, XC90	W			

Connector 54/106 -54/113

54/106 4-pin light gray

No.	Cargo compartment harness		Harness, fuel tank CNG front		
1	2/140:1	Relay, CNG/LPG, V70	Y-R	8/89:1 Solenoid, front left CNG fuel tank, V70 8/90:1 Solenoid, front right CNG fuel tank, V70	Y-R
2	53/604	Junction point, V70	SB	8/89:2 Solenoid, front left CNG fuel tank, V70 8/90:2 Solenoid, front right CNG fuel tank, V70	SB
3	-	-	-	-	-
4	-	-	-	-	-

54/109 2-pin black

	Cargo compartment harness			Passenger compartment harness		
1	16/110B:1	Antenna control module ATM, XC90	OR	16/105D:2	Audio control module AUD, XC90	OR
	54/66B:1	Connector				
2	16/110B:2	Antenna control module ATM, XC90	OR	16/1C:1	Infotainment Control Module (ICM), XC90	OR

54/112 4-pin gray

No.	Passenger compartment harness			Accessory wiring	
1	11C 37/:2	Fuse in passenger compartment fuse box, XC90	VO-W	30 feed	
	53/452	Junction point, MP2, XC90			
2	53/454	Junction point, XC90	VO	Ext. D feed	
3	-		-	-	-
4	53/438	Junction point, XC90	BN	Ground connection	

54/113 2-pin dark gray

No.	Engine compartment harness		Left front impact sensor harness		
1	54/3LE5	Connector, XC90	OR	7/179:1 Front impact sensor 2, XC90	OR
2	54/3LE4	Connector, XC90	OR-SB	7/179:2 Front impact sensor 2, XC90	OR-SB

54/117

2-pin orange

No.	Passenger compartment harness			Seat belt tensioner harness		
1	4/9:80	Control module, Supplemental Restraint System (SRS), XC90	OR	8/62:1	Center rear belt tensioner igniter, XC90	OR
2	4/9:79	Control module, Supplemental Restraint System (SRS), XC90	GN-OR	8/62:2	Center rear belt tensioner igniter, XC90	GN-OR

54/122

2-pin dark gray

No.	Engine compartment harness			Right front impact sensor harness		
1	54/3LG1	Connector, XC90	GN-OR	7/178:1	Front impact sensor 1, XC90	OR-SB
2	54/3LG2	Connector, XC90	OR	7/178:2	Front impact sensor 1, XC90	OR

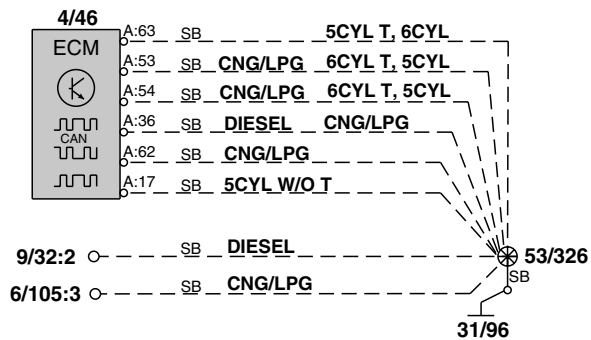
54/123 Diesel

3-pin black

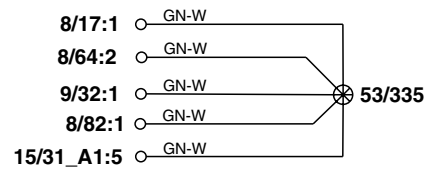
No.	Engine harness Diesel			Pressure sensor harness		
1	4/46:A:58	Engine Control Module (ECM), XC90	GN-Y	7/162:1	Fuel line pressure sensor, XC90	-
2	4/46:A:22	Engine Control Module (ECM), XC90	GN-SB	7/162:2	Fuel line pressure sensor, XC90	-
3	4/46:A:40	Engine Control Module (ECM), XC90	GN-W	7/162:3	Fuel line pressure sensor, XC90	-

Junction points 53/326 - 53/567

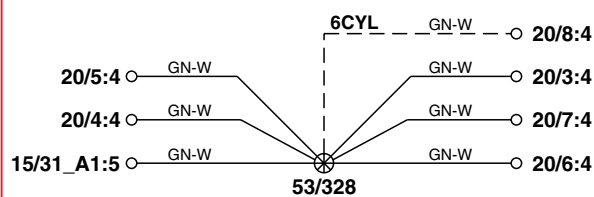
53/326



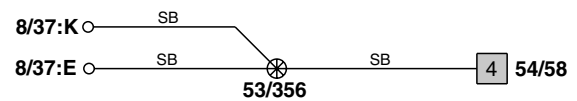
53/335 DIESEL



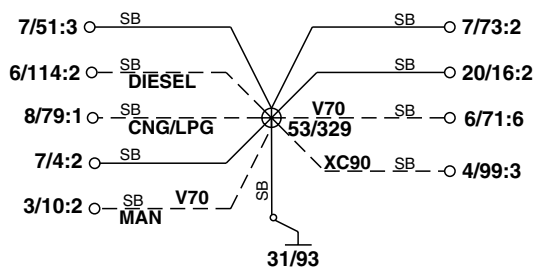
53/328



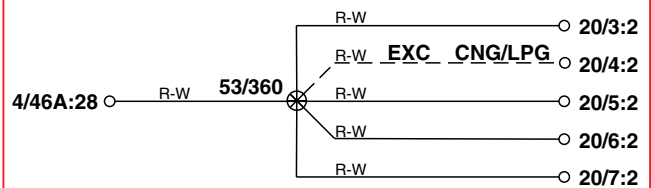
53/356



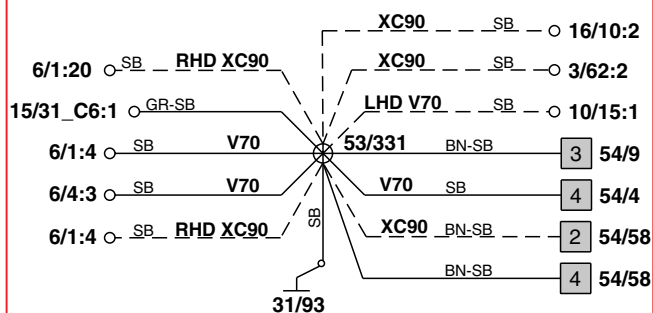
53/329



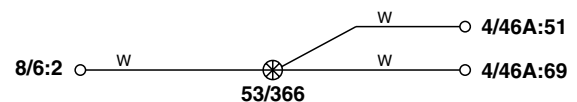
53/360 5CYL W/O T



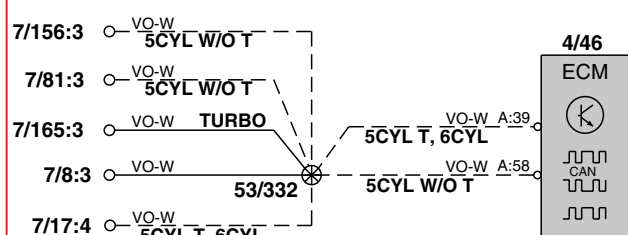
53/331



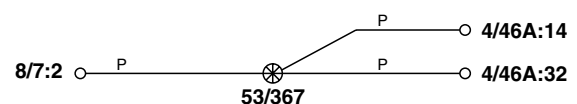
53/366 CYL 1 DIESEL



53/332



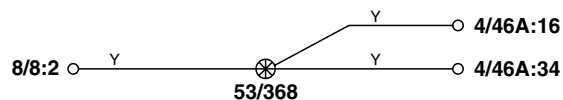
53/367 CYL 2 DIESEL



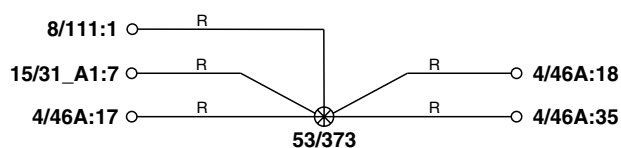
Junction points

53/368 - 53/377

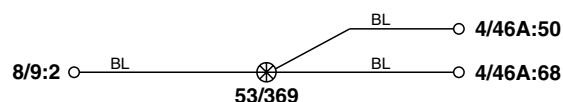
53/368
CYL 3
DIESEL



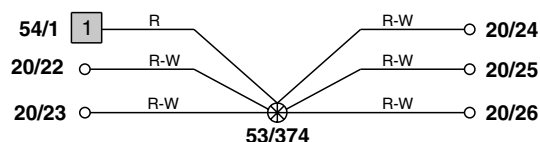
53/373
DIESEL



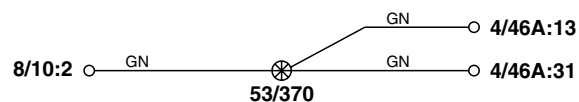
53/369
CYL 4
DIESEL



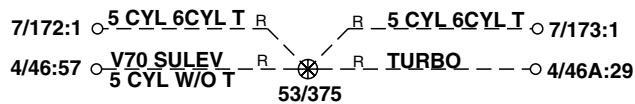
53/374
DIESEL



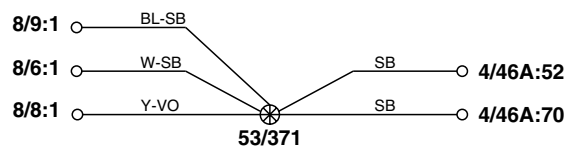
53/370
CYL 5
DIESEL



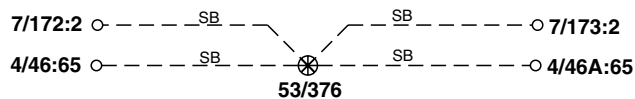
53/375



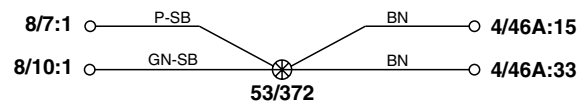
53/371
DIESEL



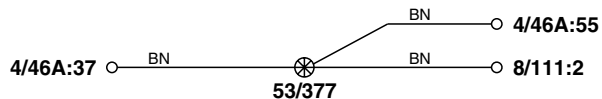
53/376



53/372
DIESEL

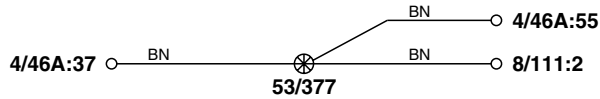


53/377
DIESEL

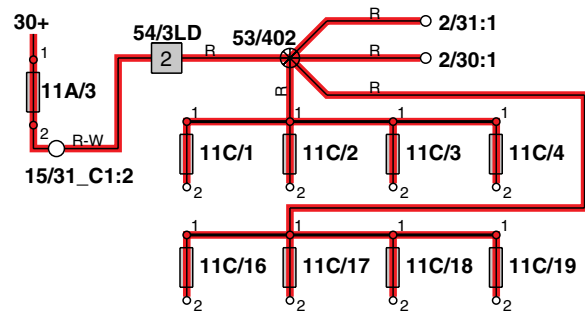


Junction points 53/377 - 53/405

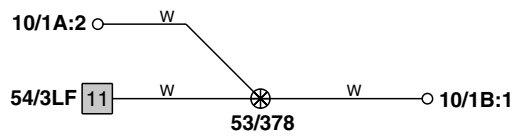
53/377 DIESEL



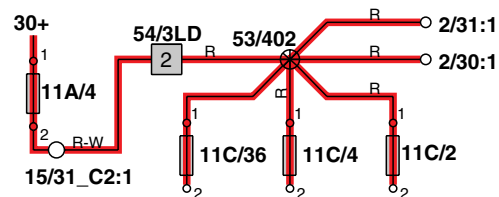
53/402 V70



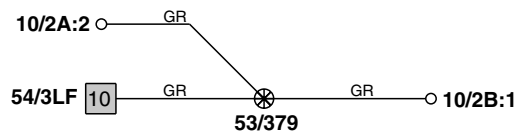
53/378 V70



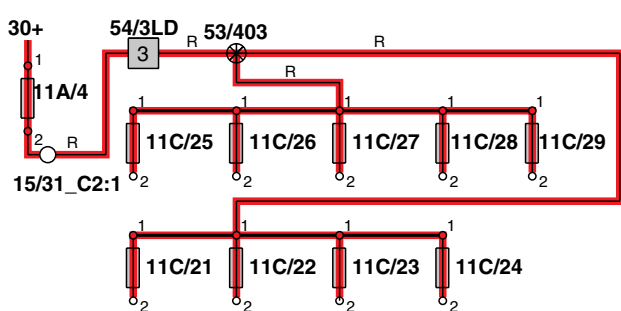
53/402 XC90



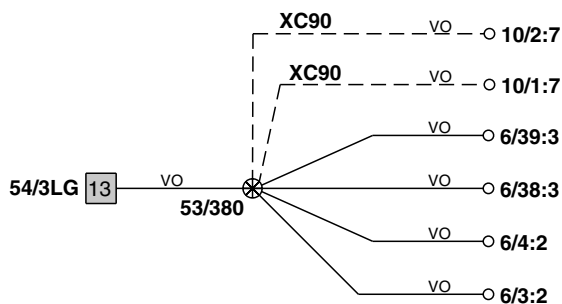
53/379 V70



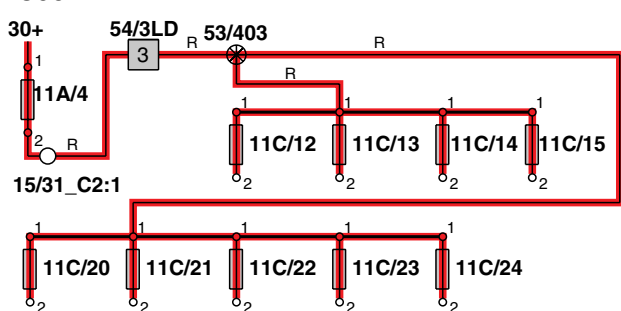
53/403 V70



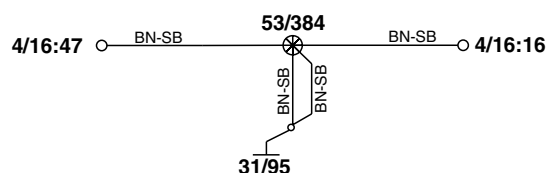
53/380



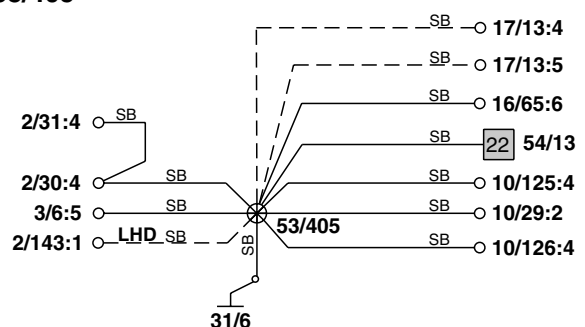
53/403 XC90



53/384

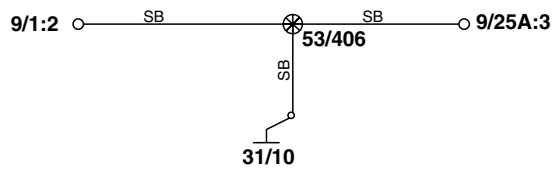


53/405

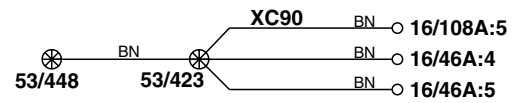


Junction points 53/406 - 53/428

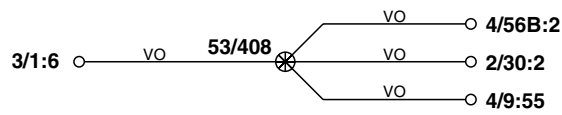
53/406



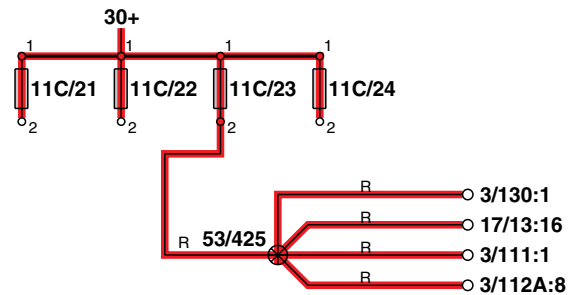
53/423



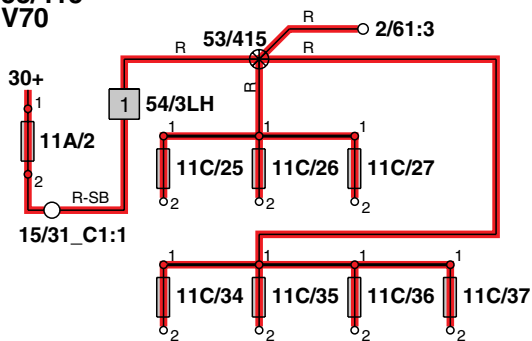
53/408



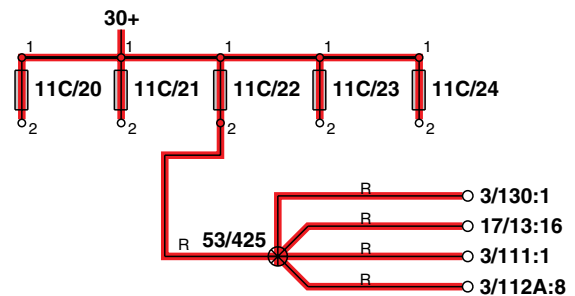
53/425
V70



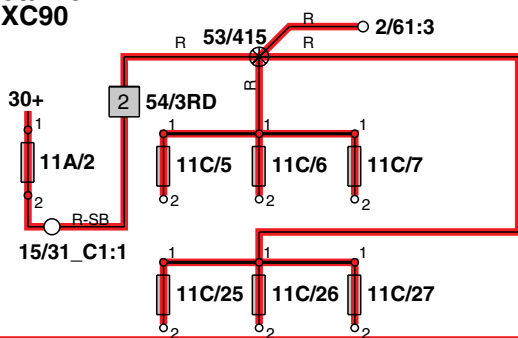
53/415
V70



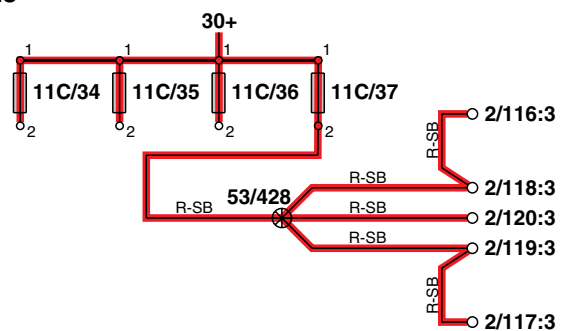
53/425
XC90



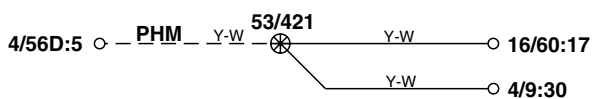
53/415
XC90



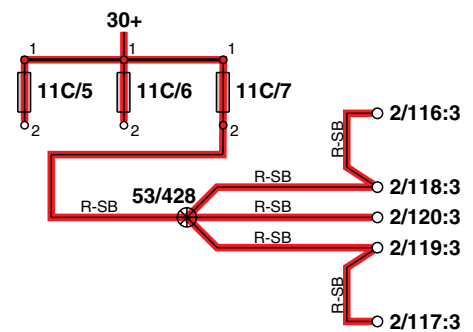
53/428
V70



53/421
V70

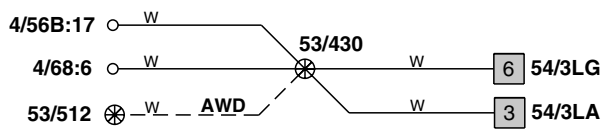


53/428
XC90

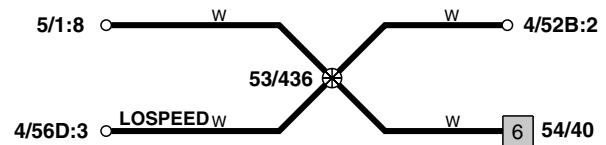


Junction points 53/430 - 53/446

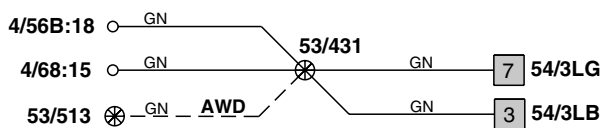
53/430



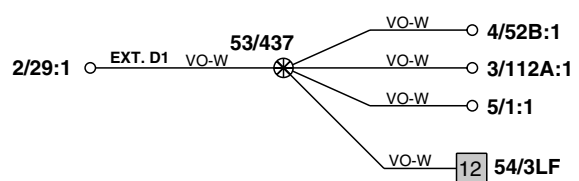
53/436



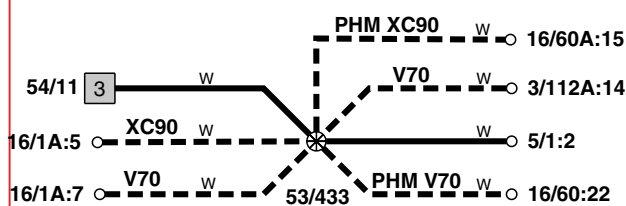
53/431



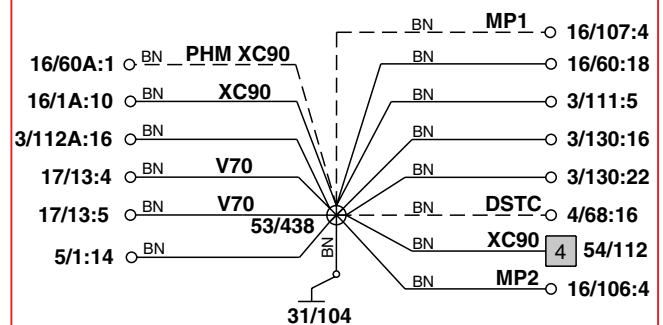
53/437



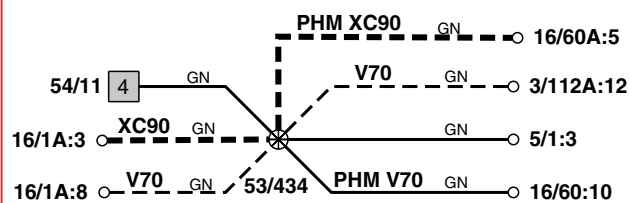
53/433



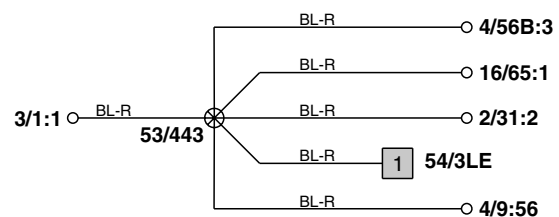
53/438



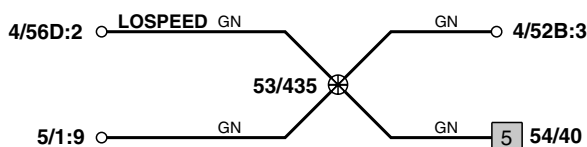
53/434



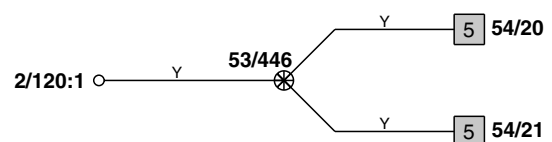
53/443



53/435



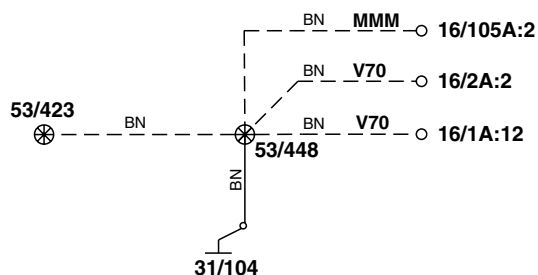
53/446



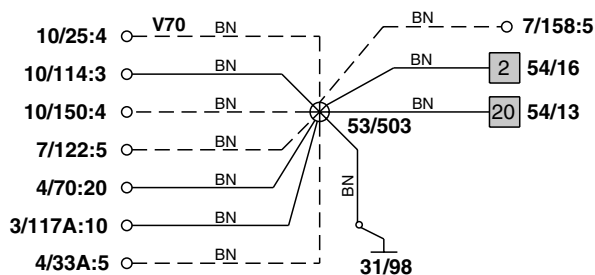
Junction points

53/448 - 53/507

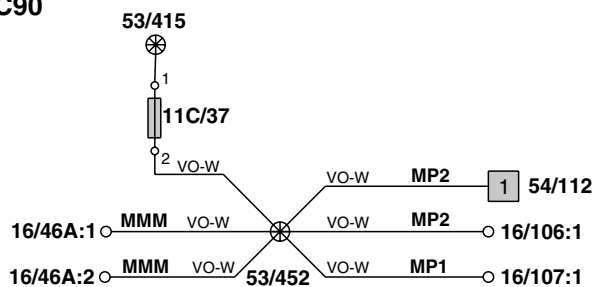
53/448



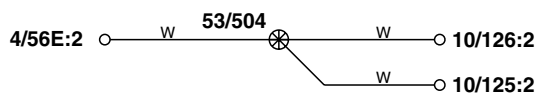
53/503



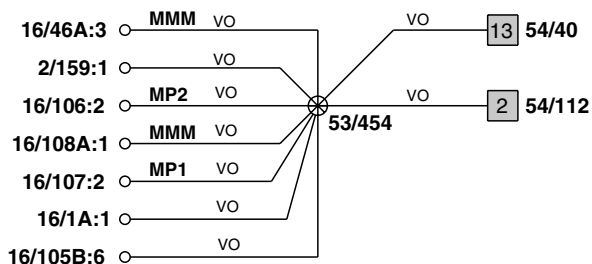
53/452
XC90



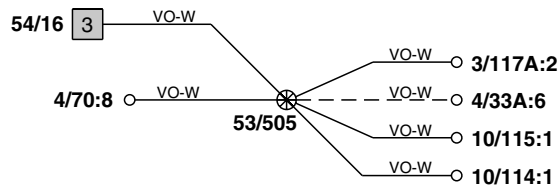
53/504



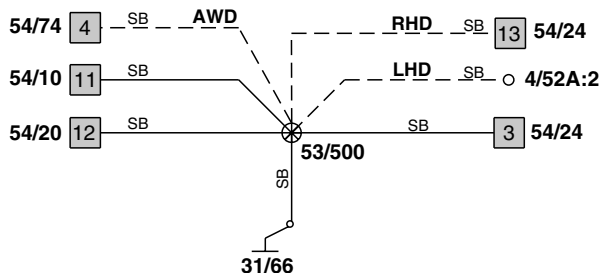
53/454
XC90



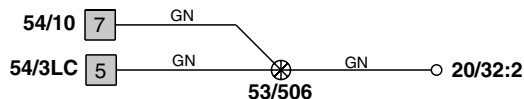
53/505



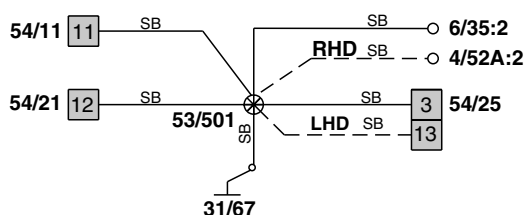
53/500



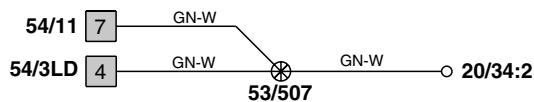
53/506
XC90



53/501

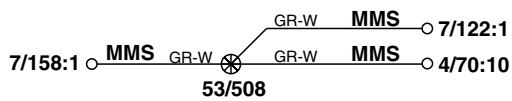


53/507
XC90

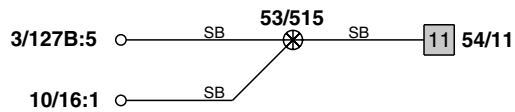


Junction points
53/508 - 53/520

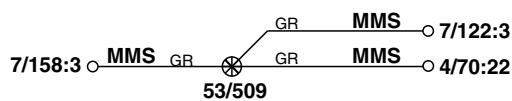
53/508
XC90



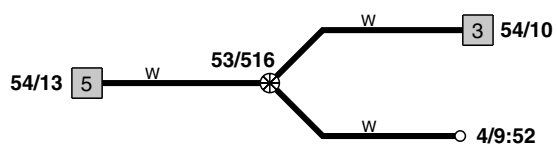
53/515
XC90



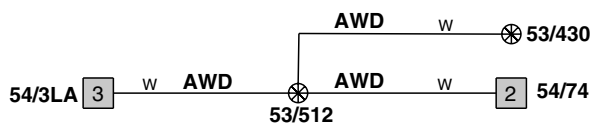
53/509
XC90



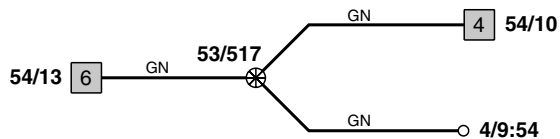
53/516



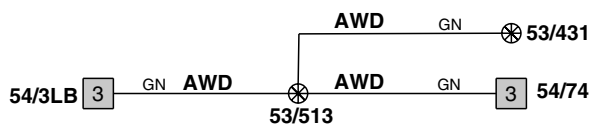
53/512



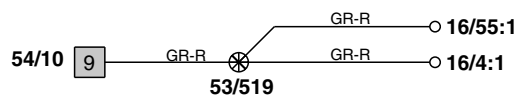
53/517



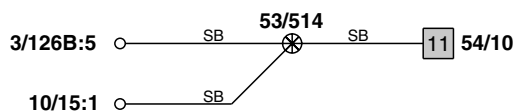
53/513



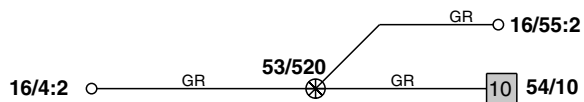
53/519



53/514
XC90

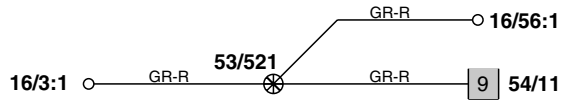


53/520

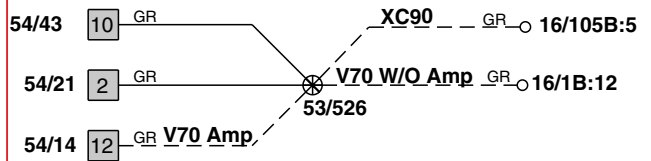


Junction points 53/521 - 53/532

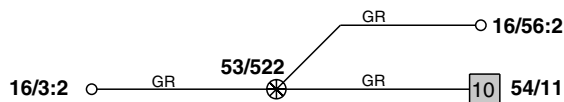
53/521



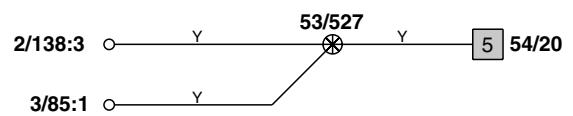
53/526



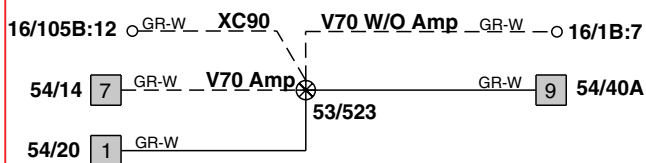
53/522



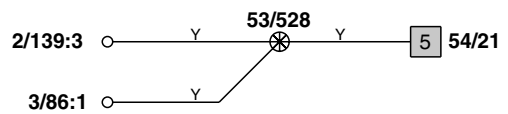
53/527



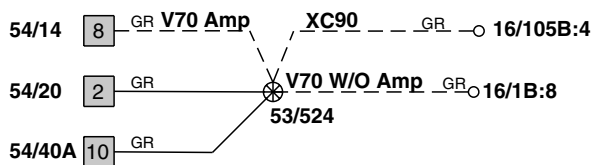
53/523



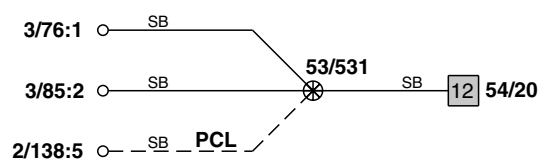
53/528



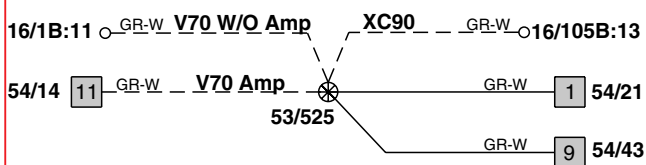
53/524



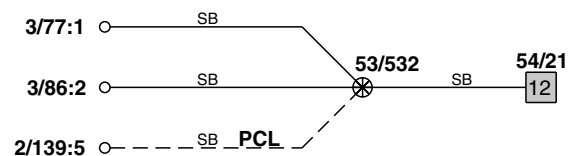
53/531



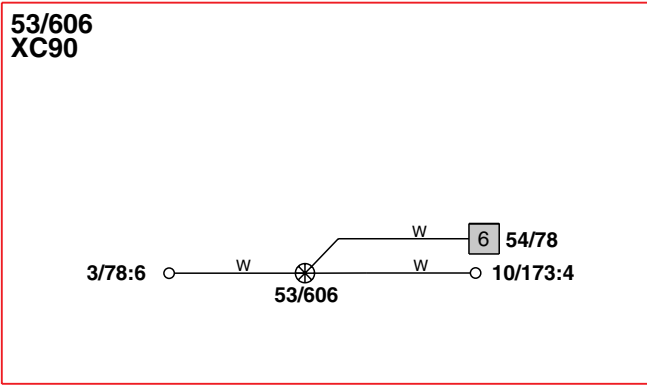
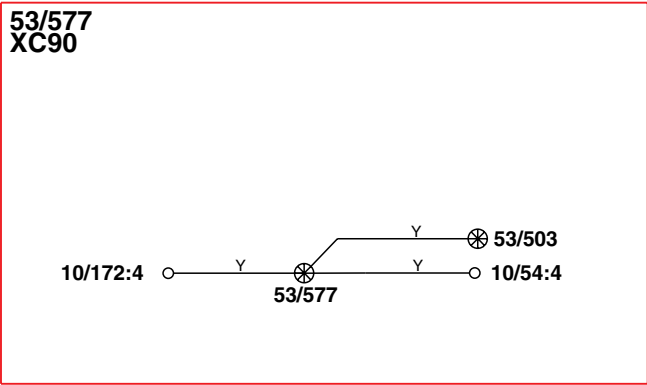
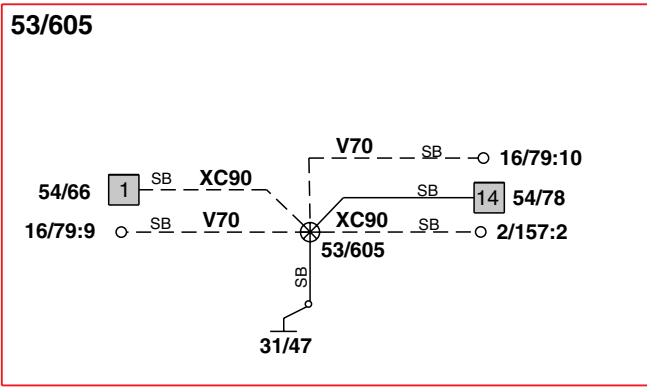
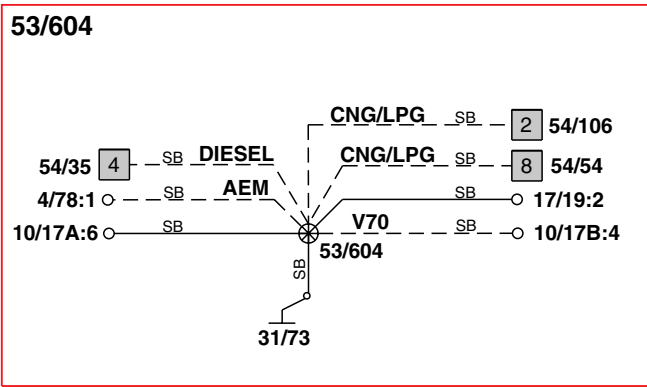
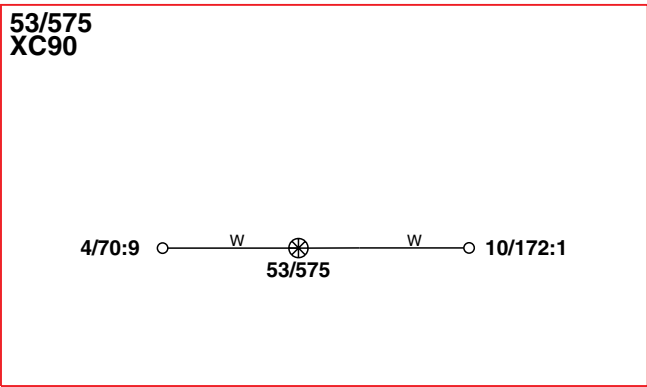
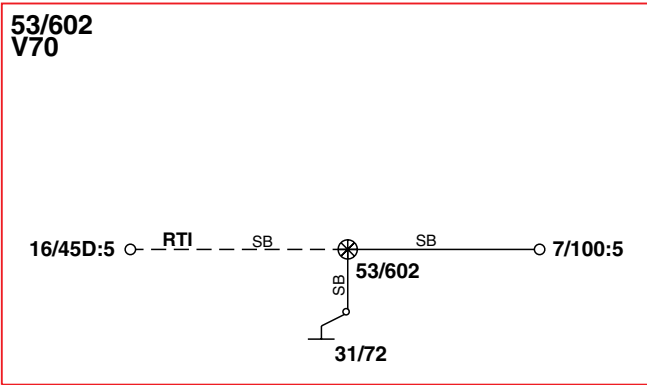
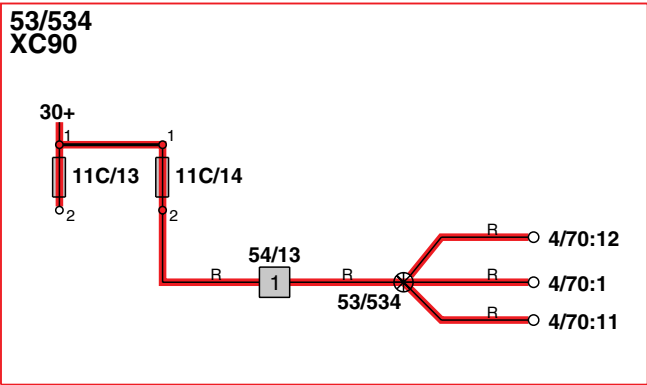
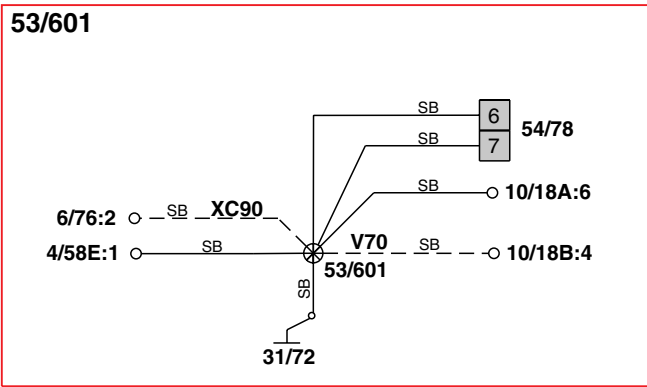
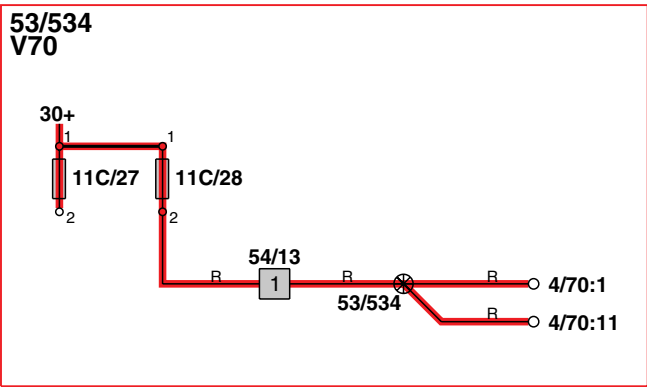
53/525



53/532

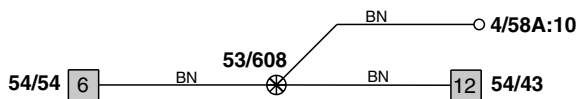


Junction points
53/534 - 53/606

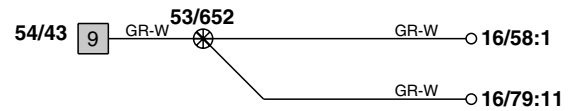


Junction points 53/608 - 53/663

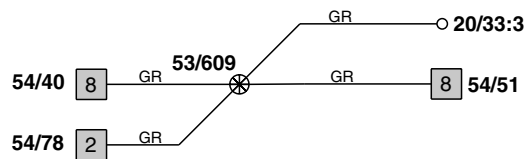
53/608
CNG/LPG



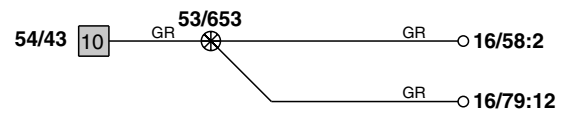
53/652
SUBWOOFER



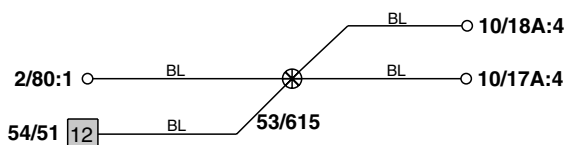
53/609



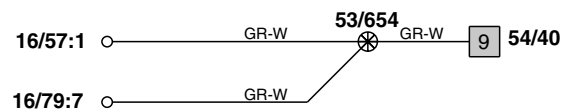
53/653
SUBWOOFER



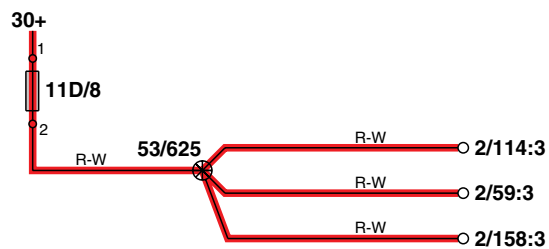
53/615



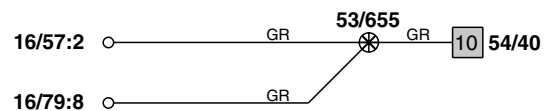
53/654
SUBWOOFER



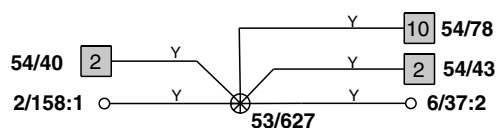
53/625



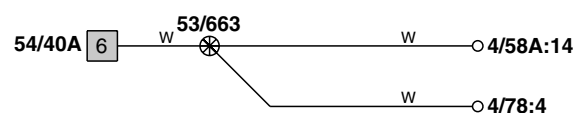
53/655
SUBWOOFER
V70



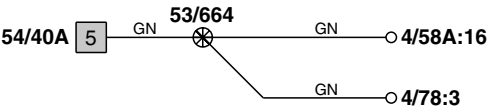
53/627



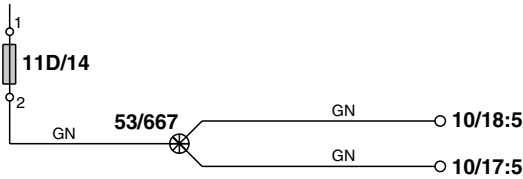
53/663
AEM
V70



53/664
V70

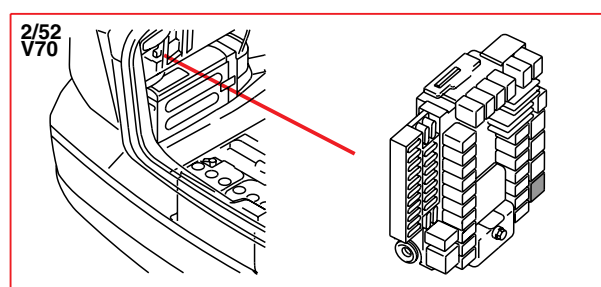
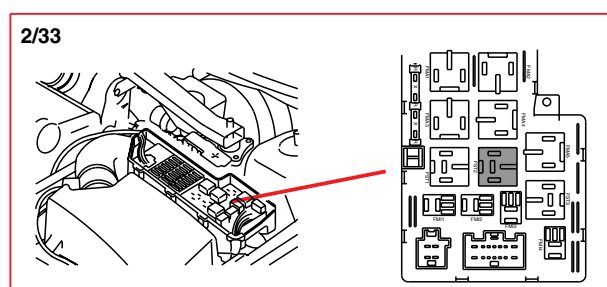
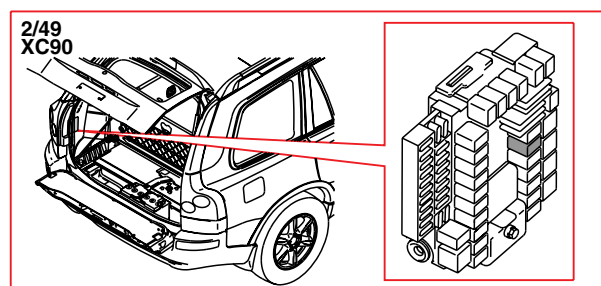
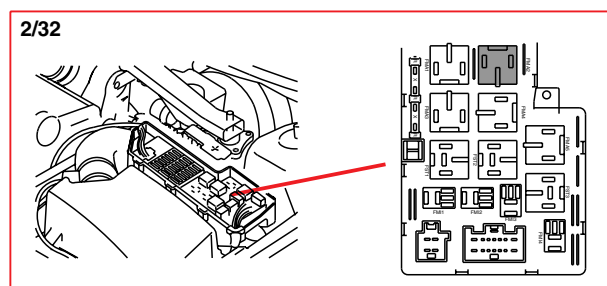
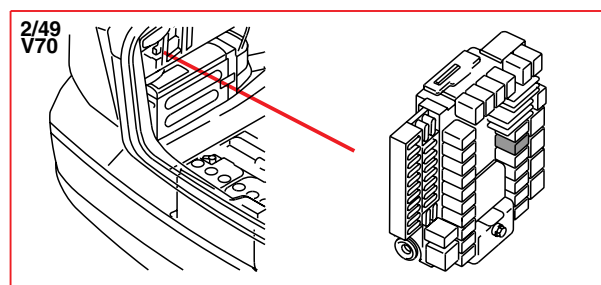
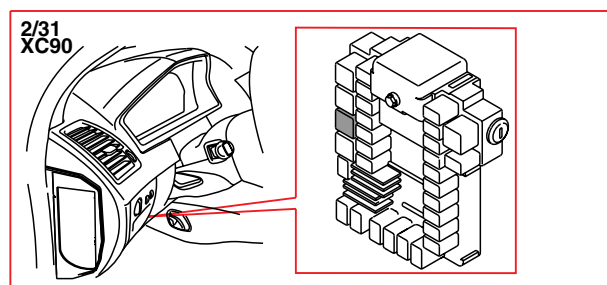
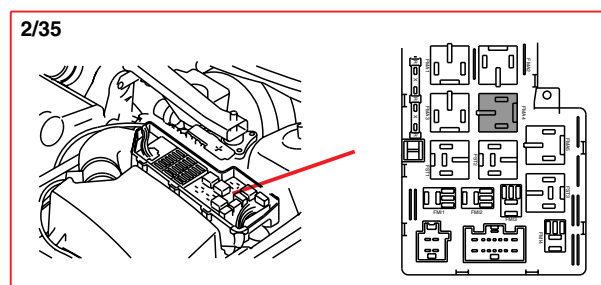
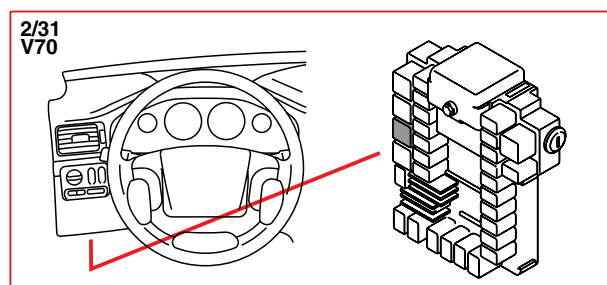
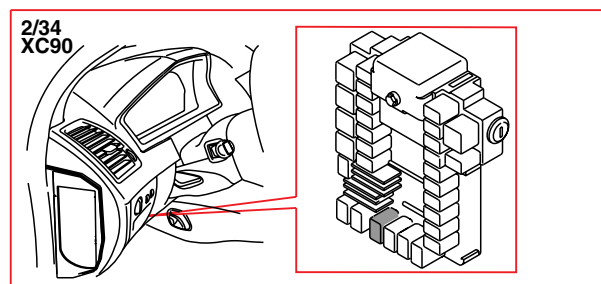
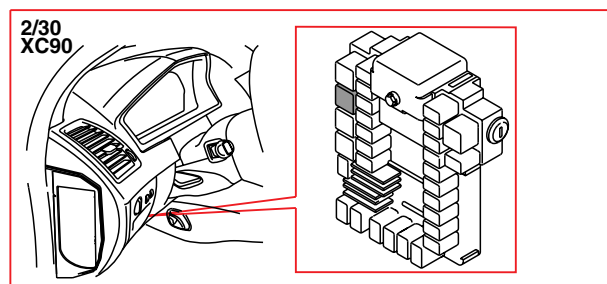
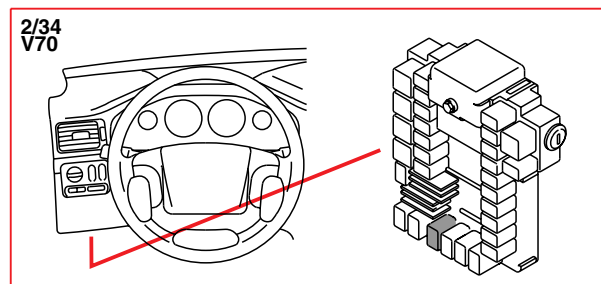
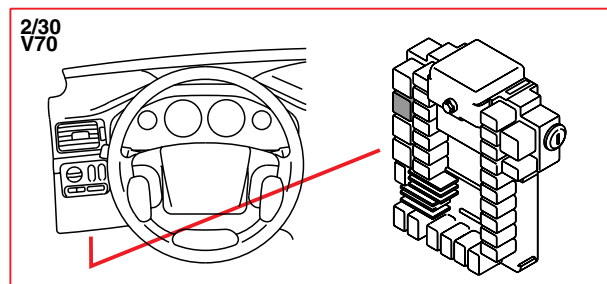


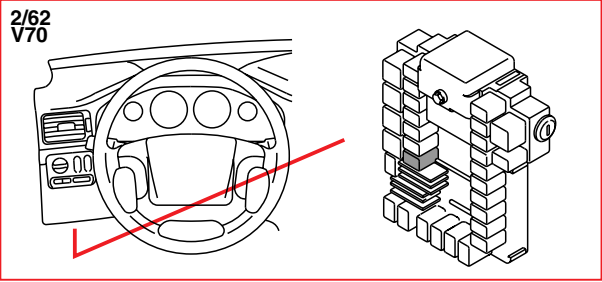
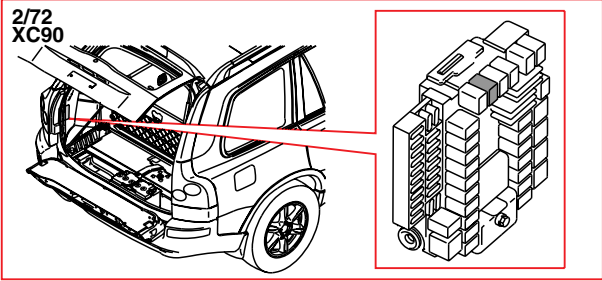
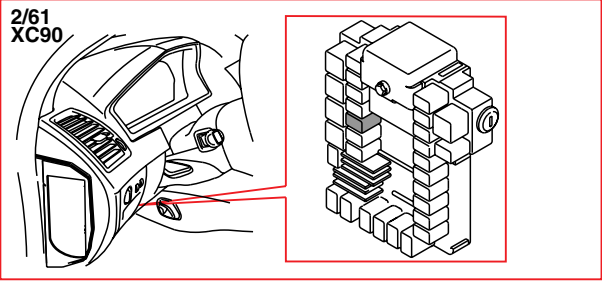
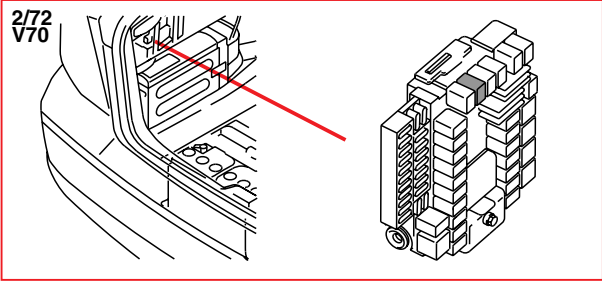
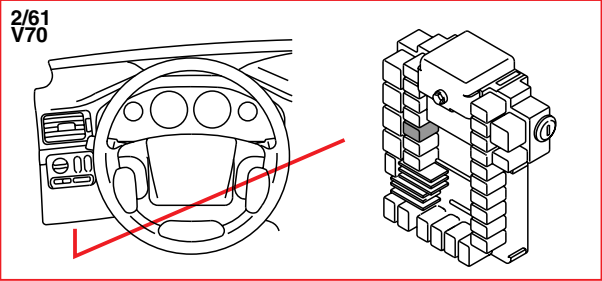
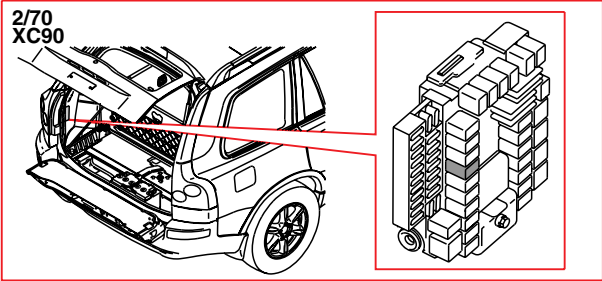
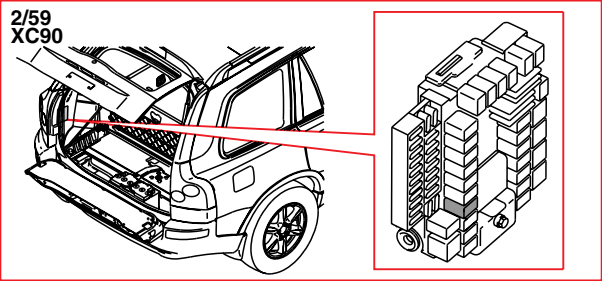
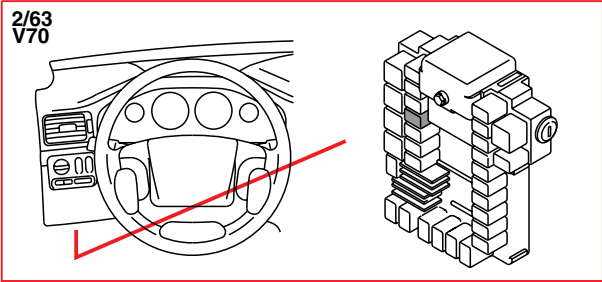
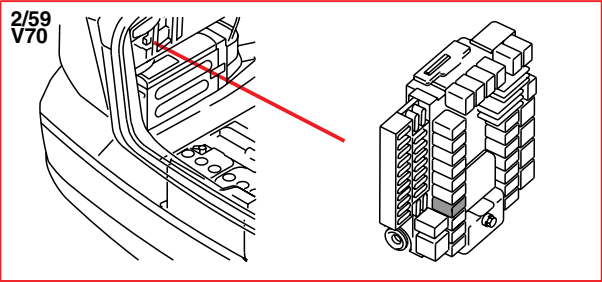
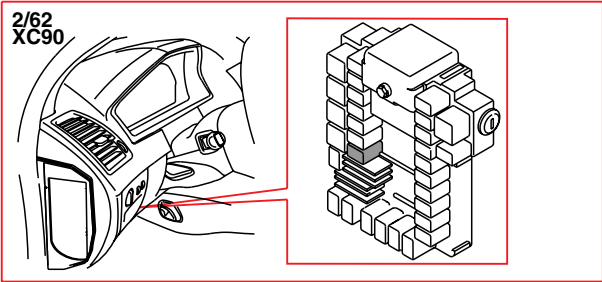
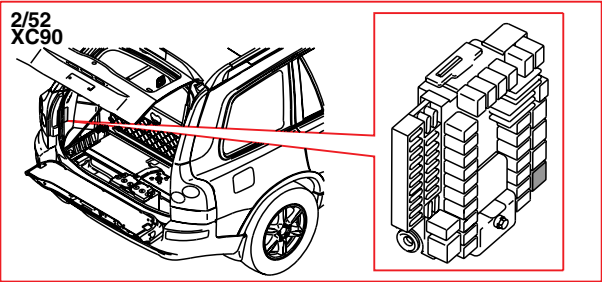
53/667
V70



Component illustrations

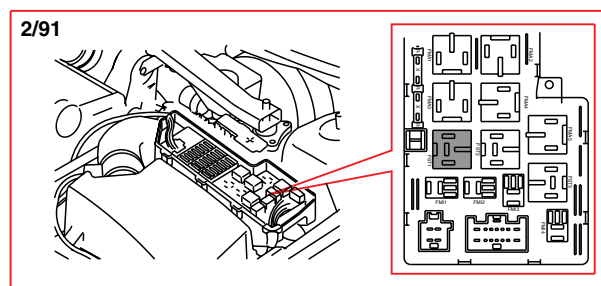
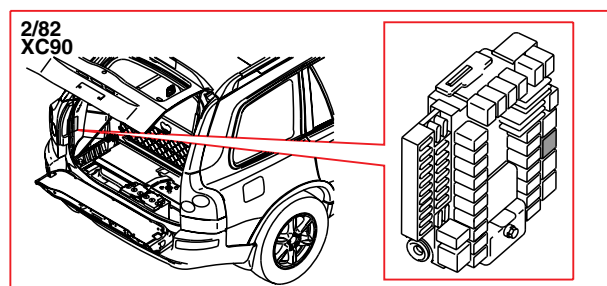
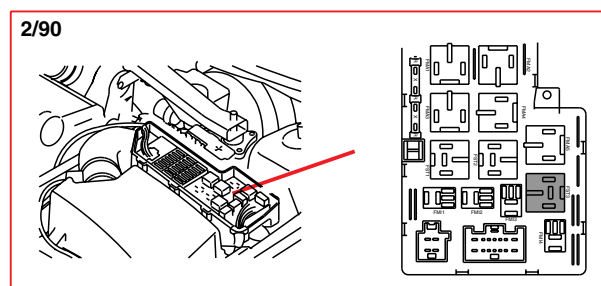
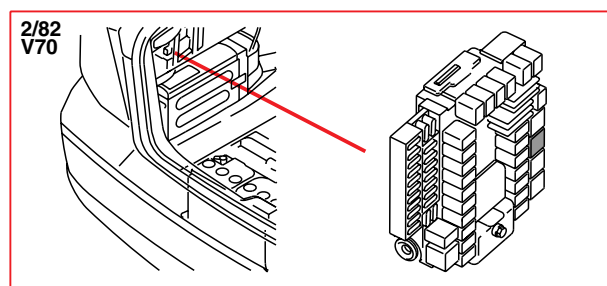
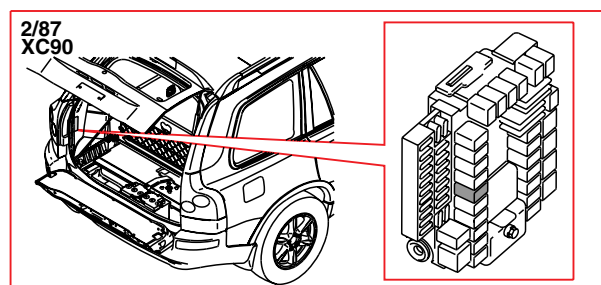
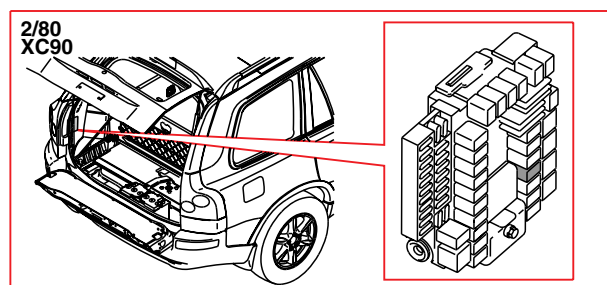
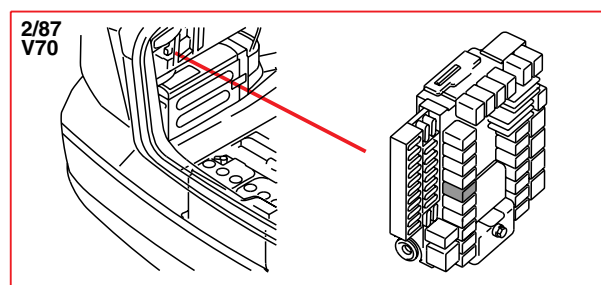
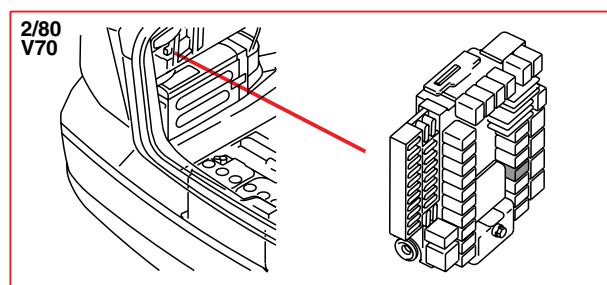
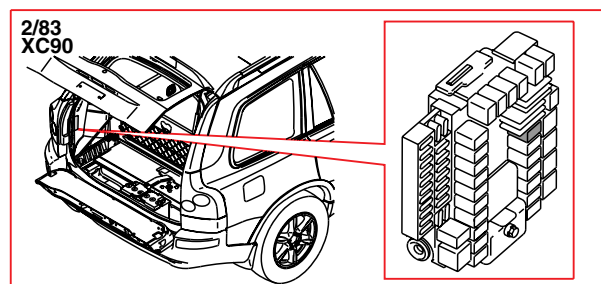
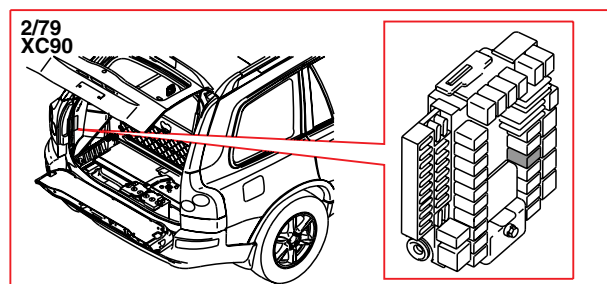
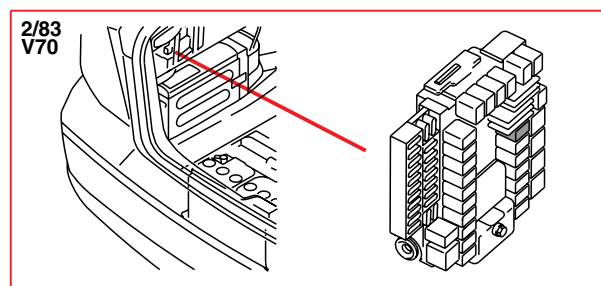
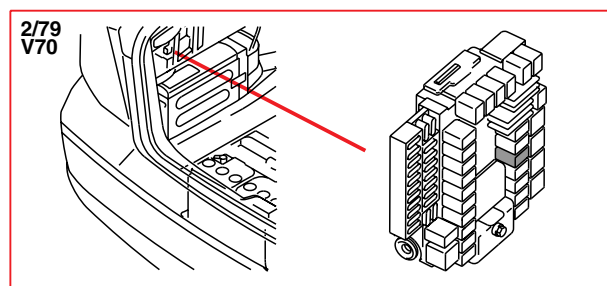
2/30 - 2/52

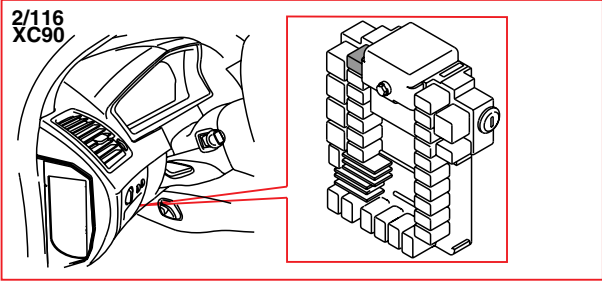
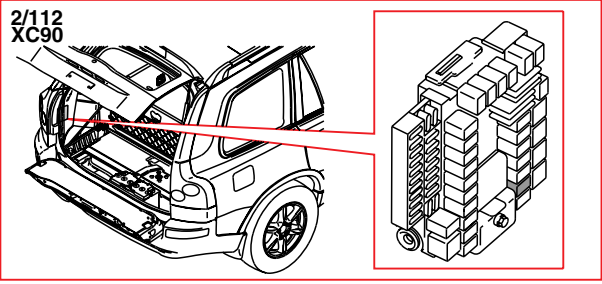
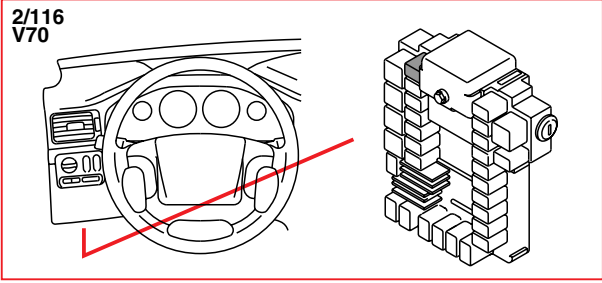
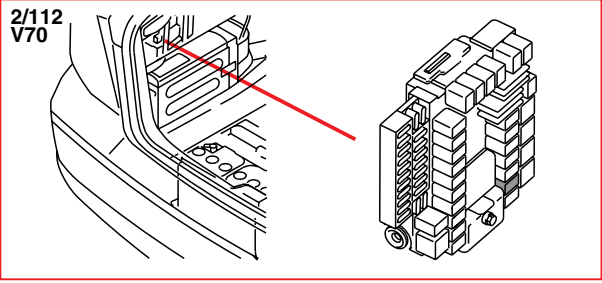
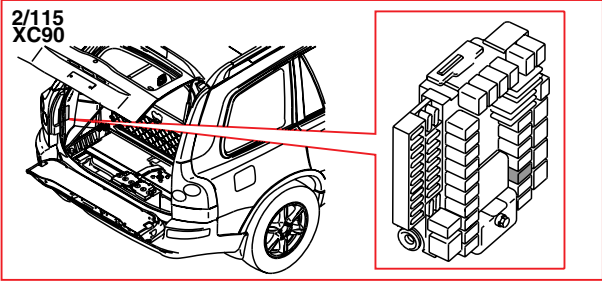
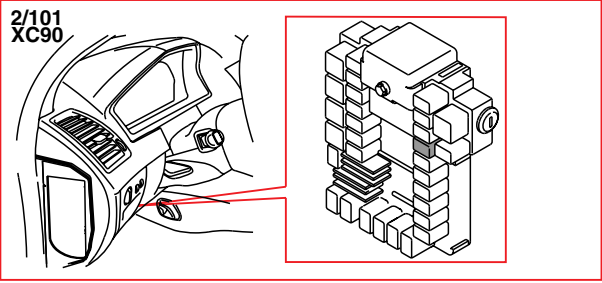
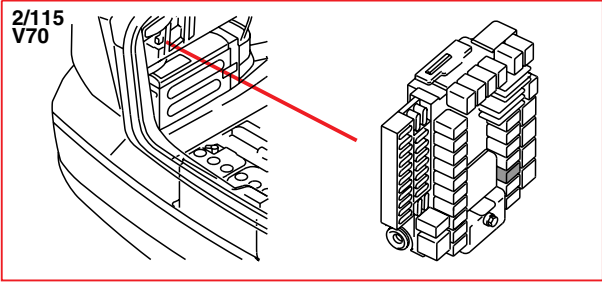
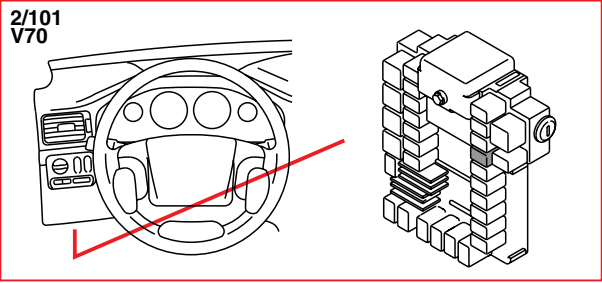
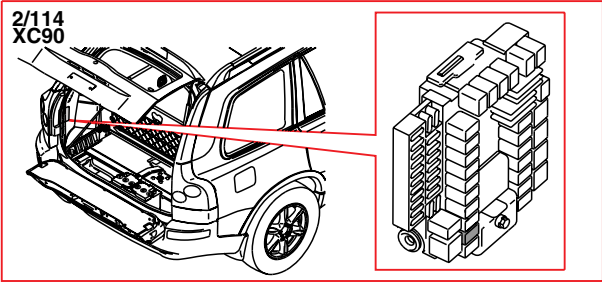
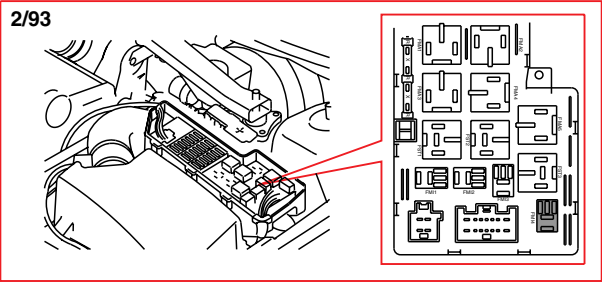
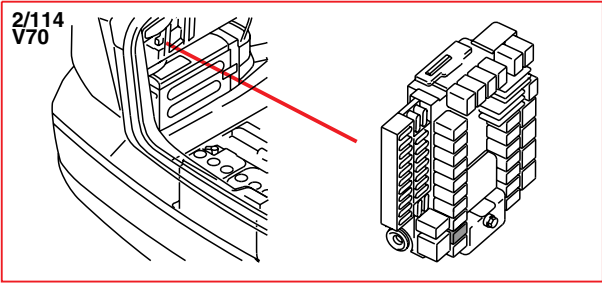
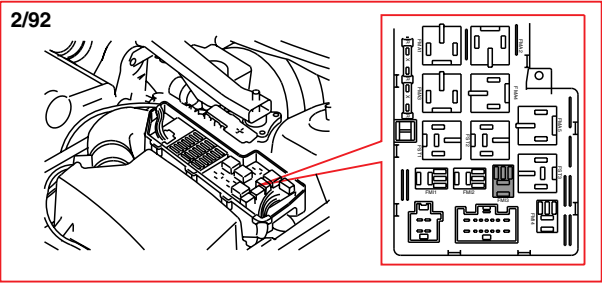




Component illustrations

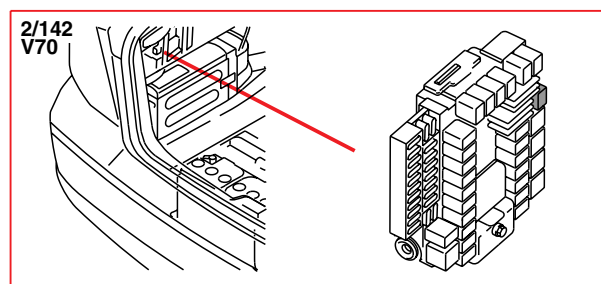
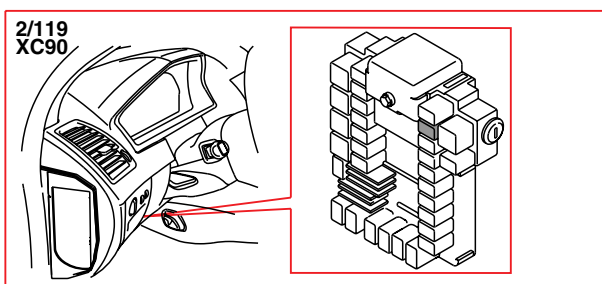
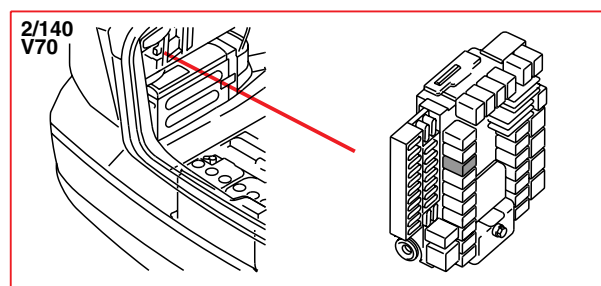
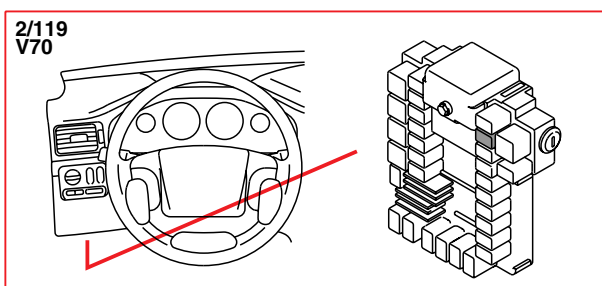
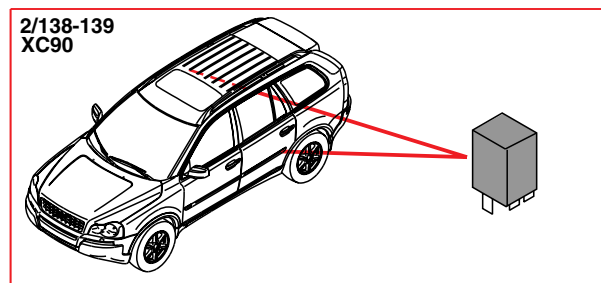
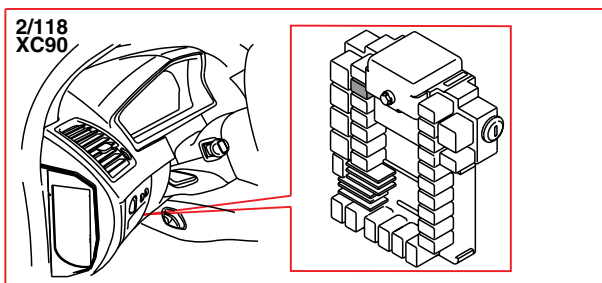
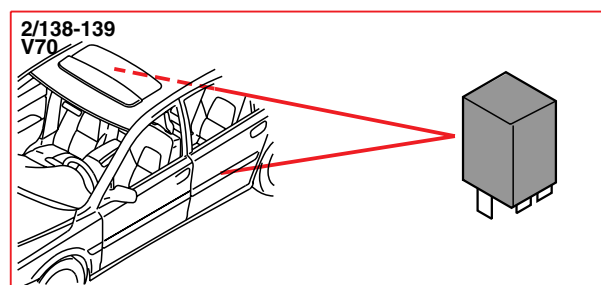
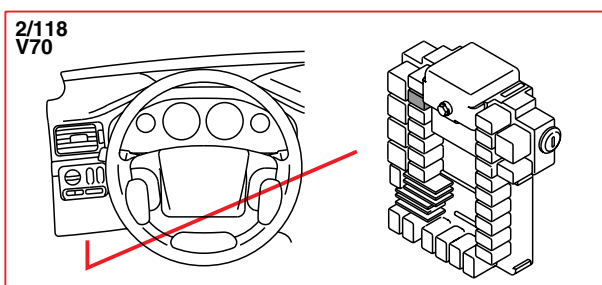
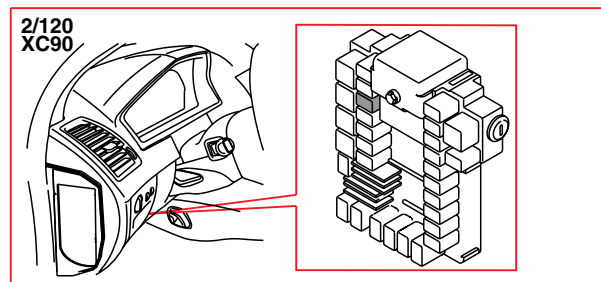
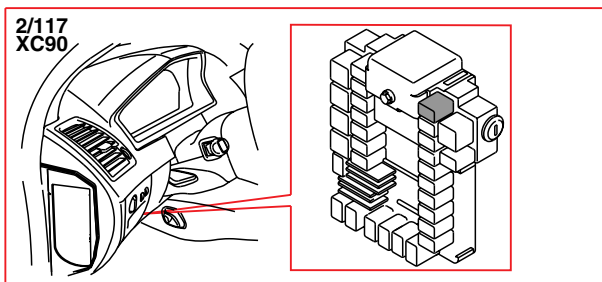
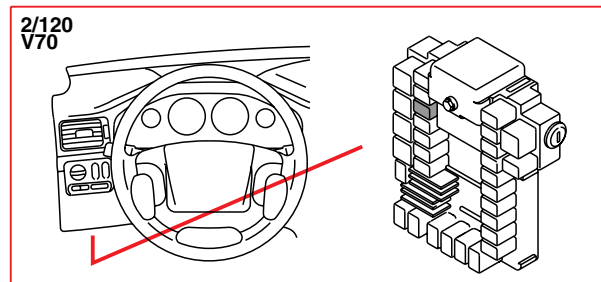
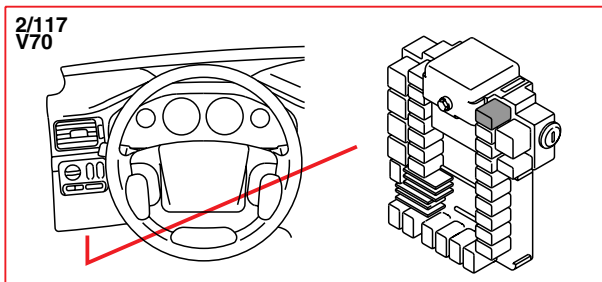
2/79 - 2/91

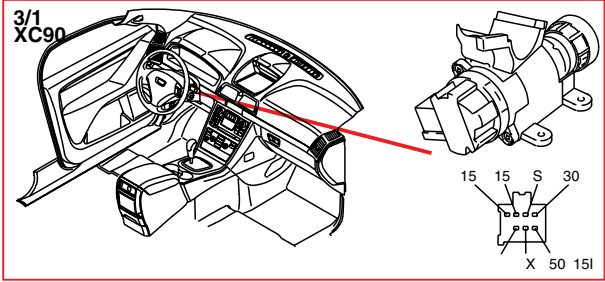
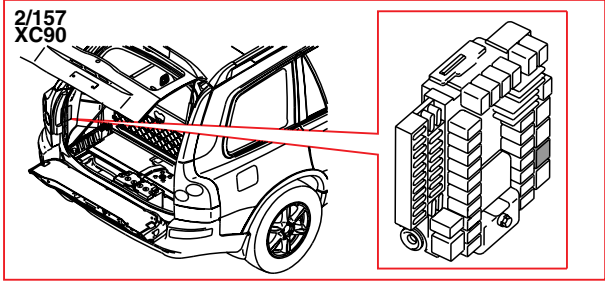
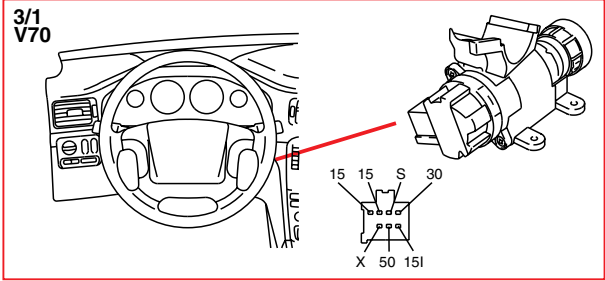
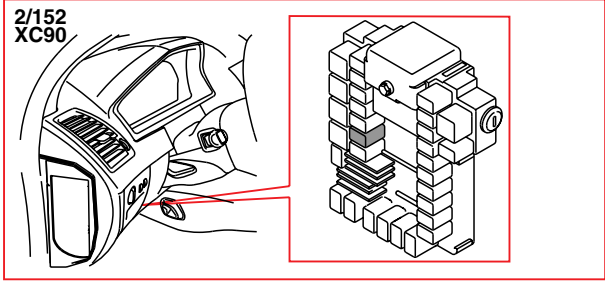
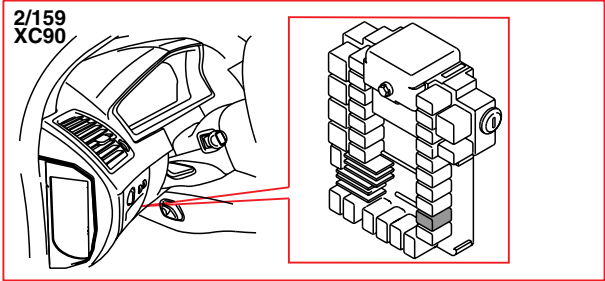
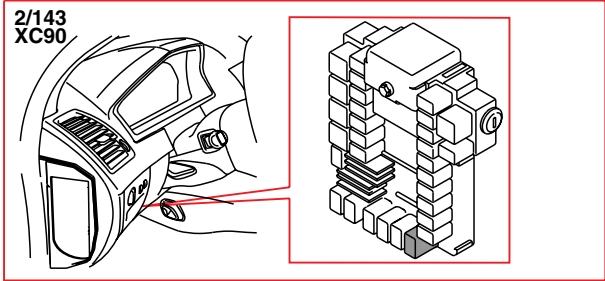
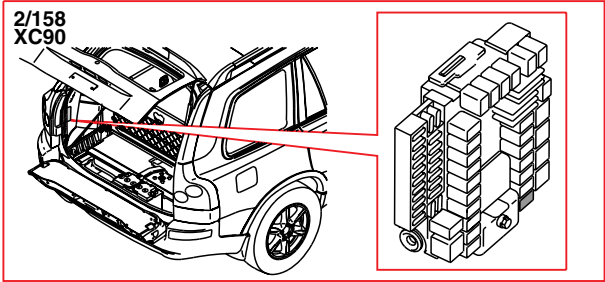
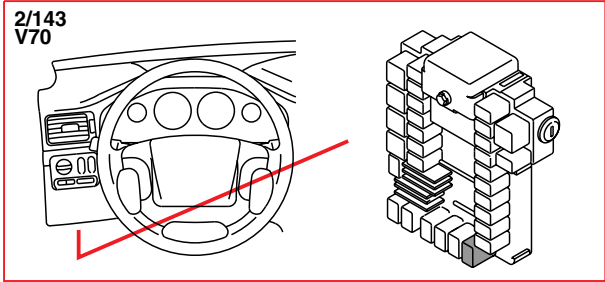
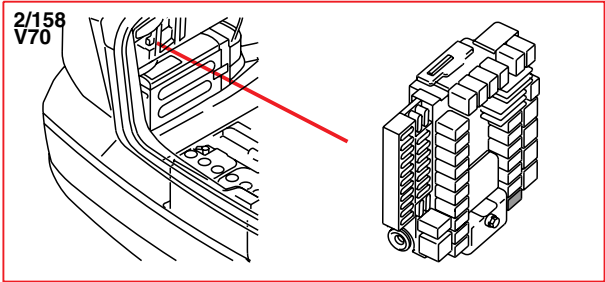
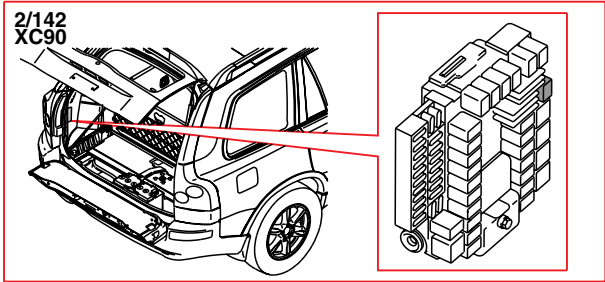




Component illustrations

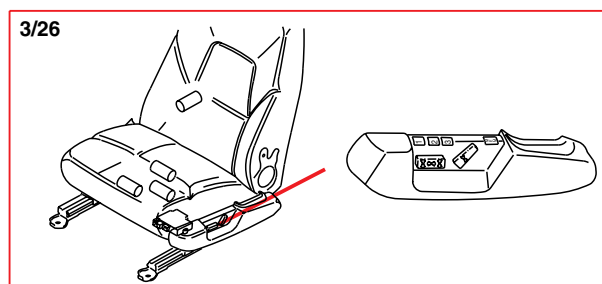
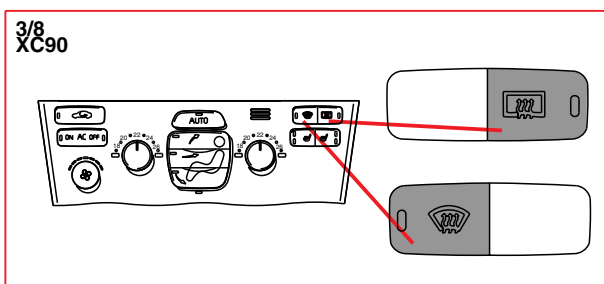
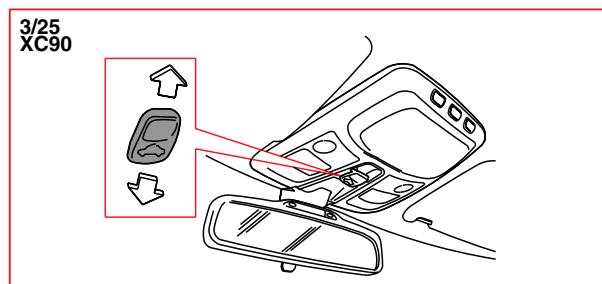
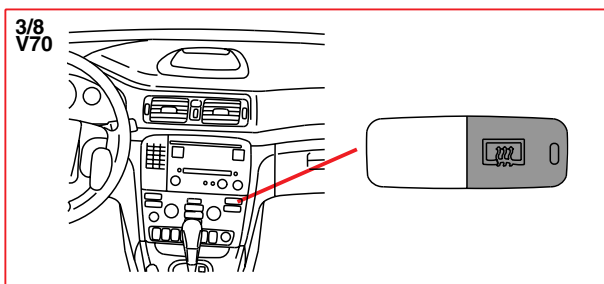
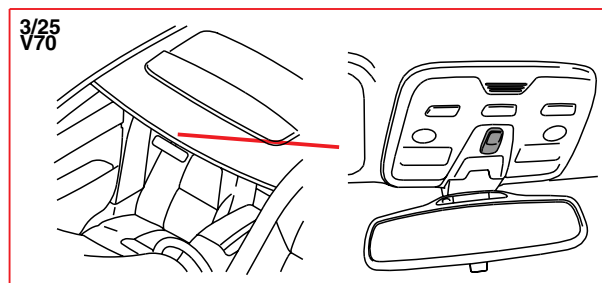
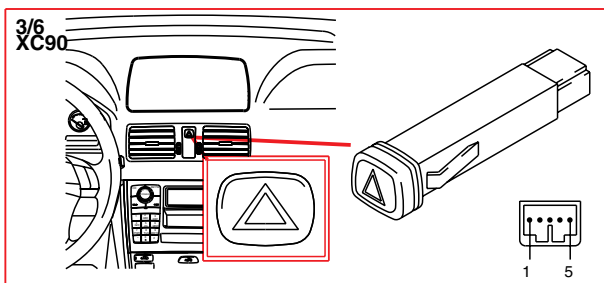
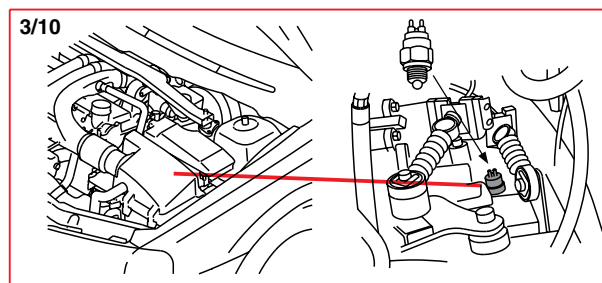
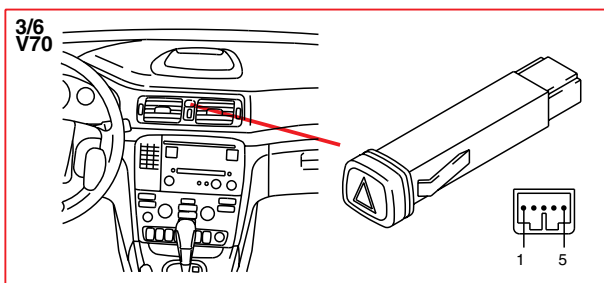
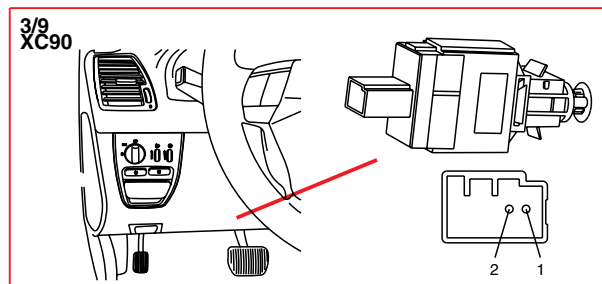
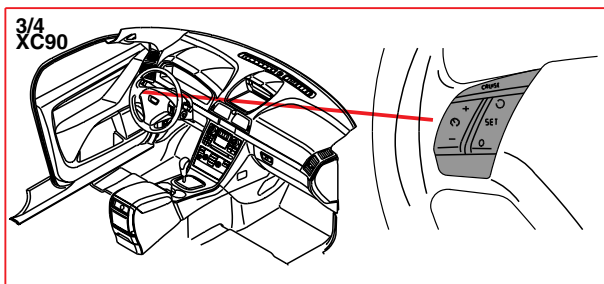
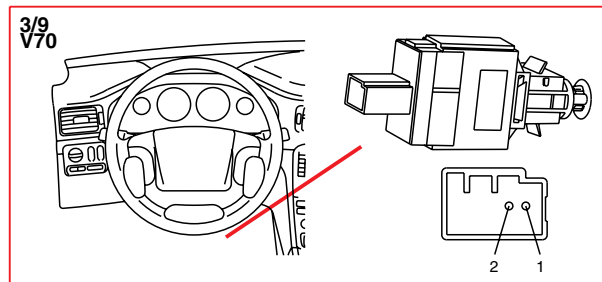
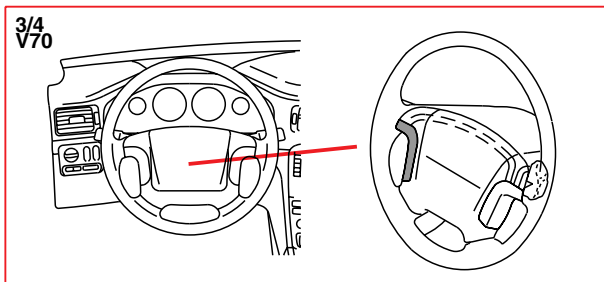
2/117 - 2/142

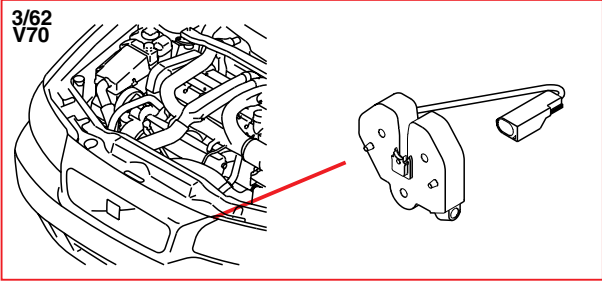
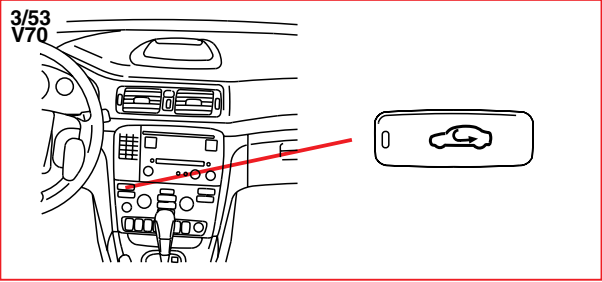
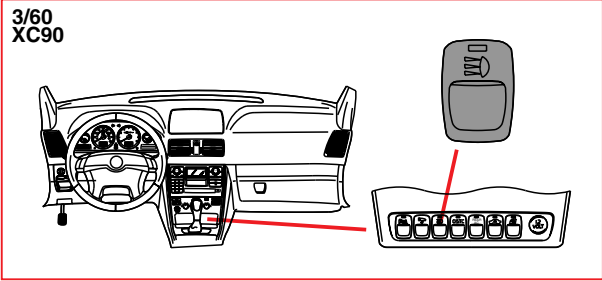
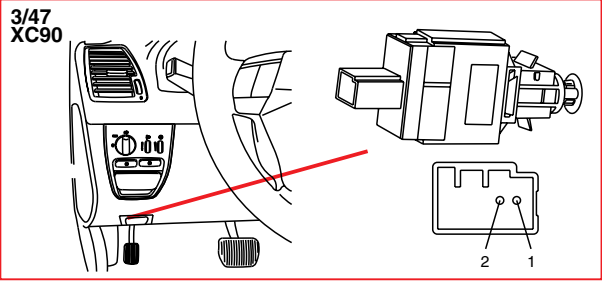
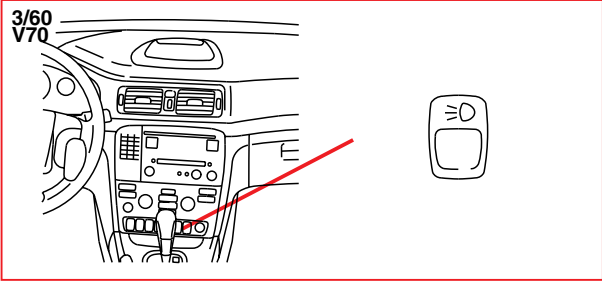
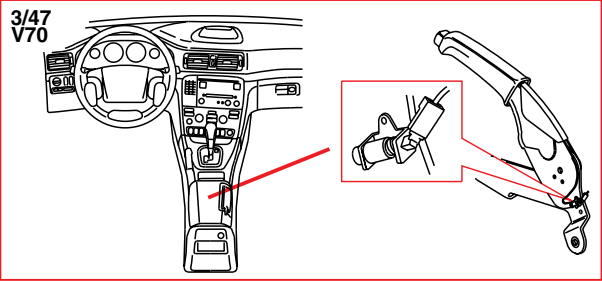
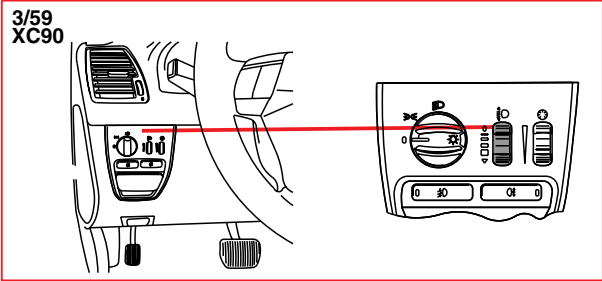
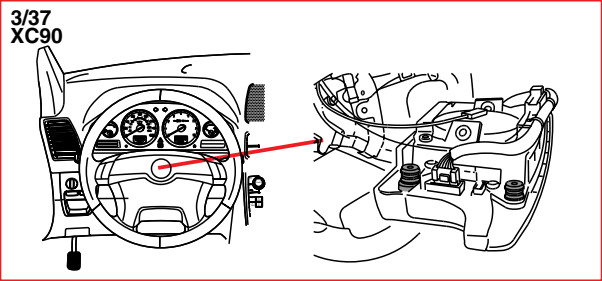
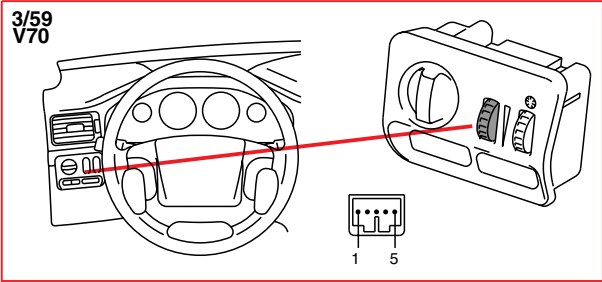
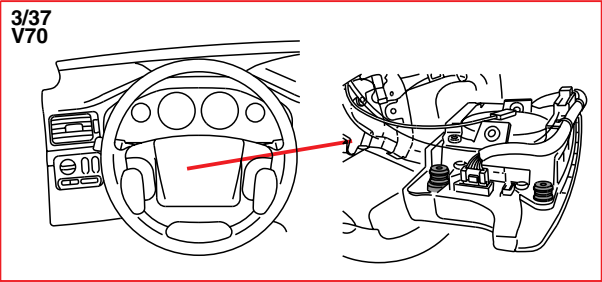
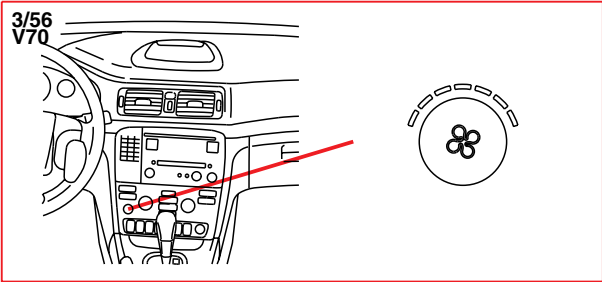
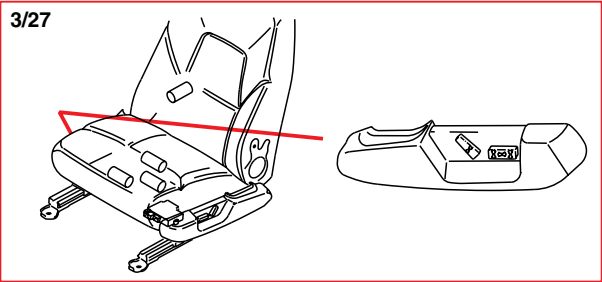




Component illustrations

3/4 - 3/26

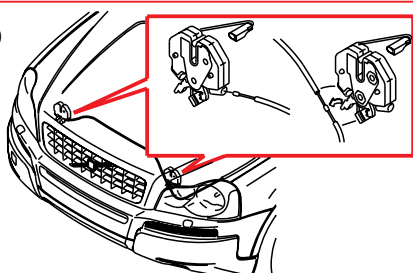




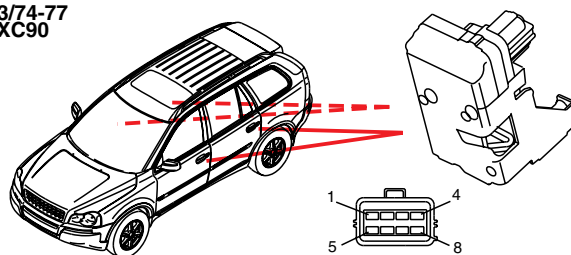
Component illustrations

3/62 - 3/82

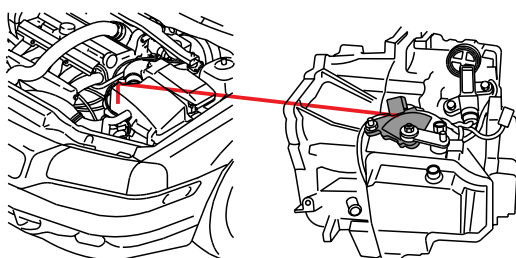
3/62
XC90



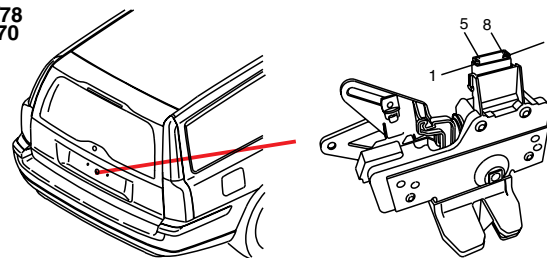
3/74-77
XC90



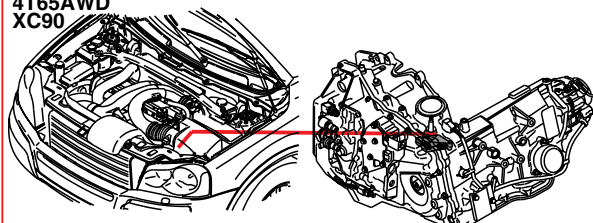
3/71
V70



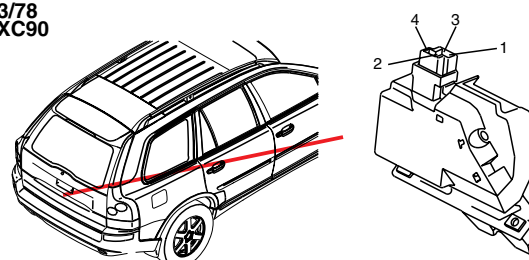
3/78
V70



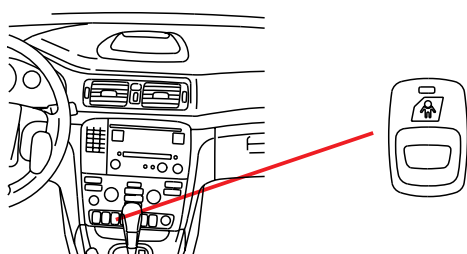
3/71
4T65AWD
XC90



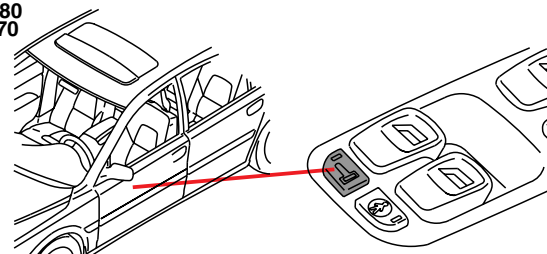
3/78
XC90



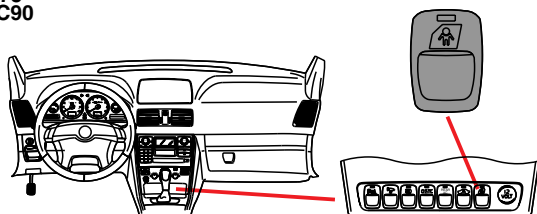
3/73
V70



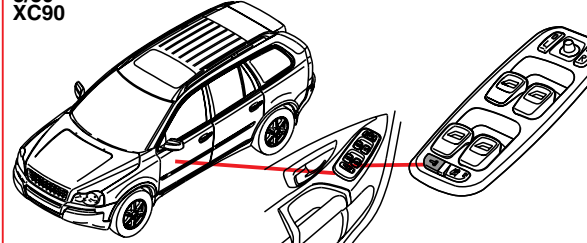
3/80
V70



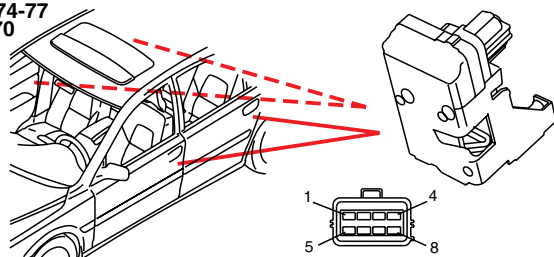
3/73
XC90



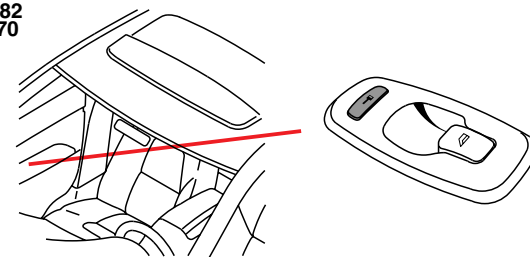
3/80
XC90



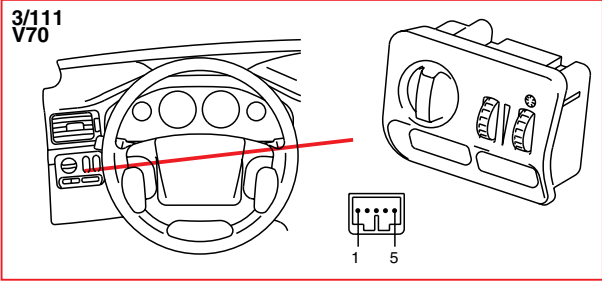
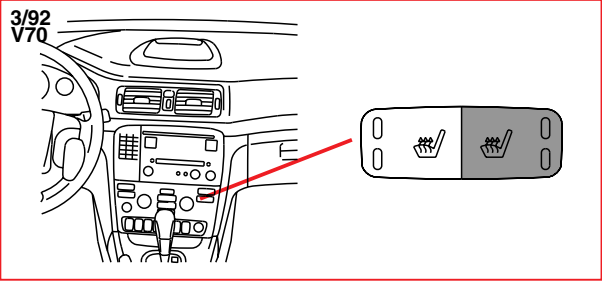
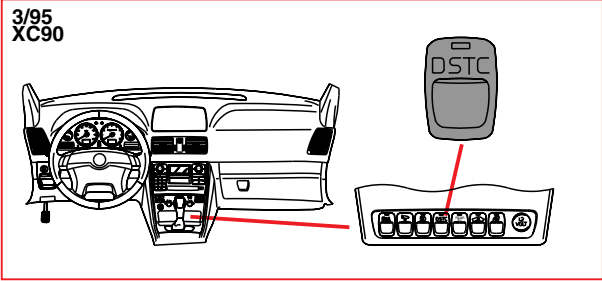
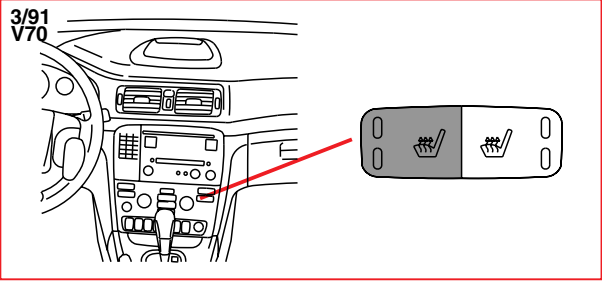
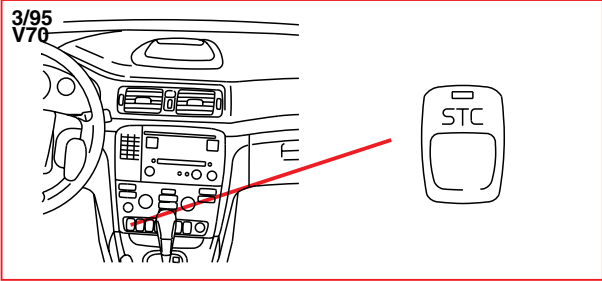
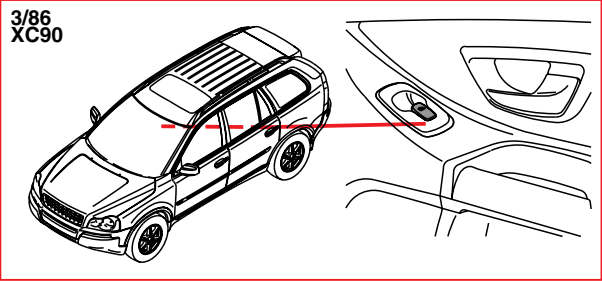
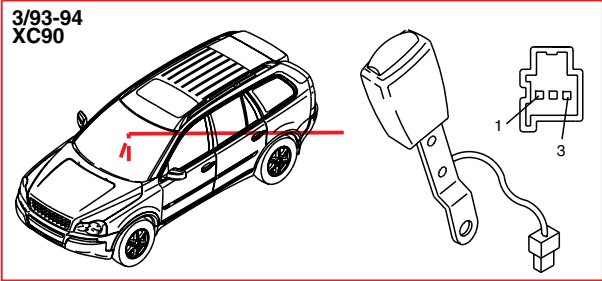
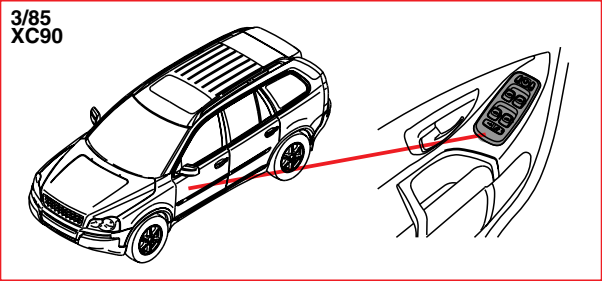
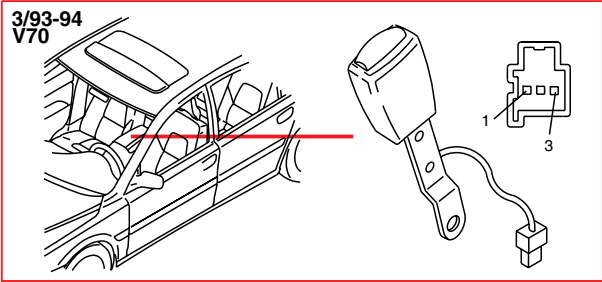
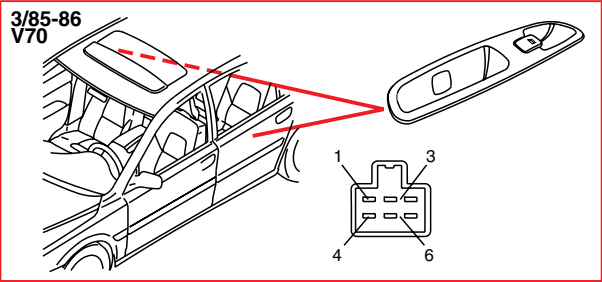
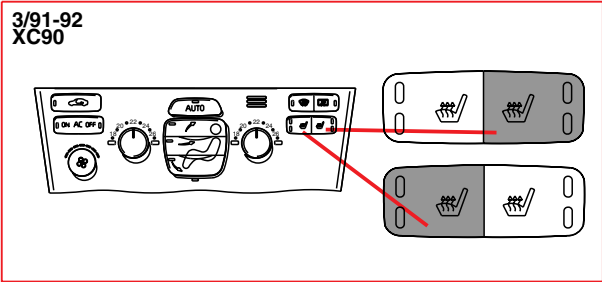
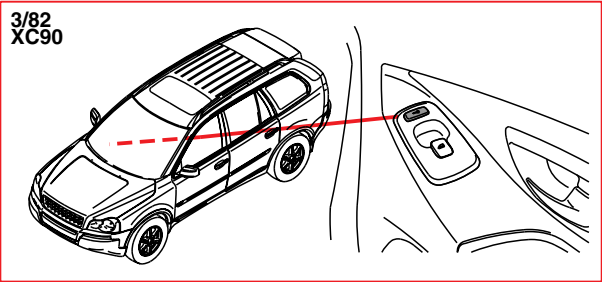
3/74-77
V70



3/82
V70

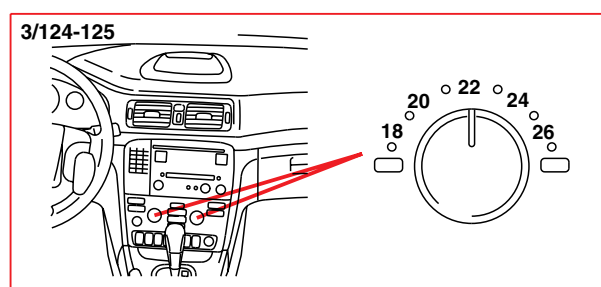
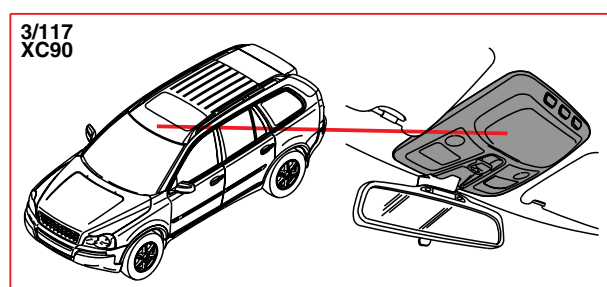
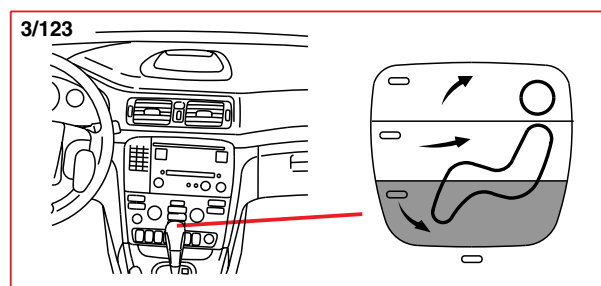
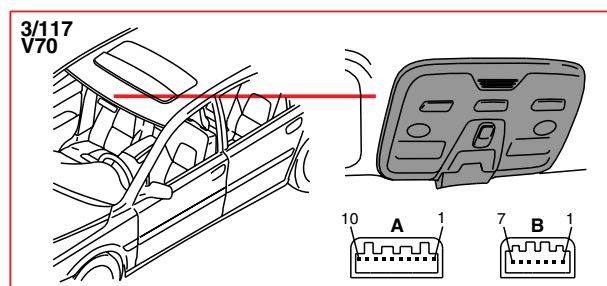
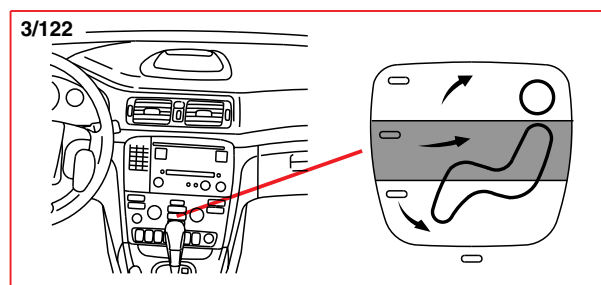
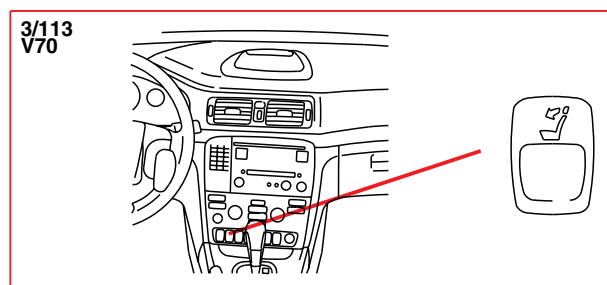
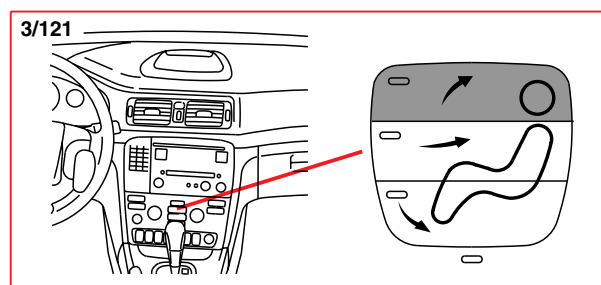
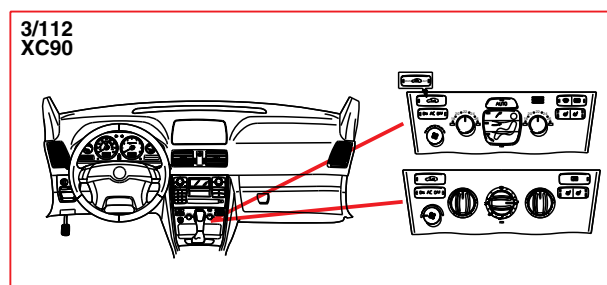
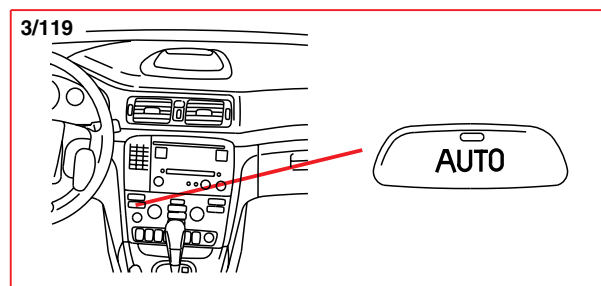
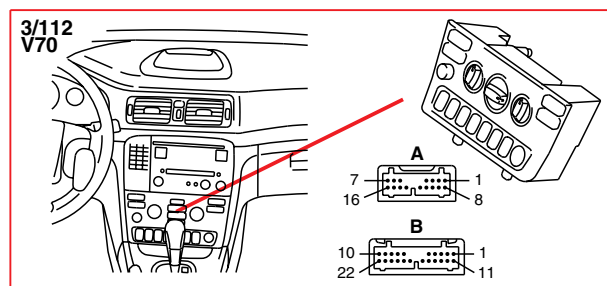
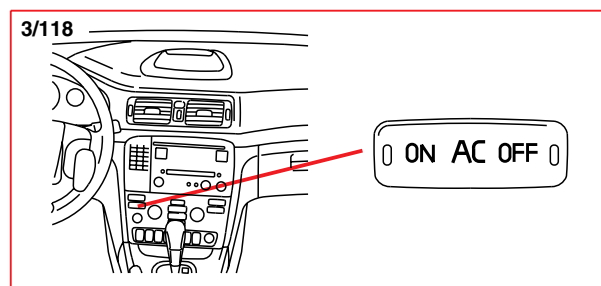
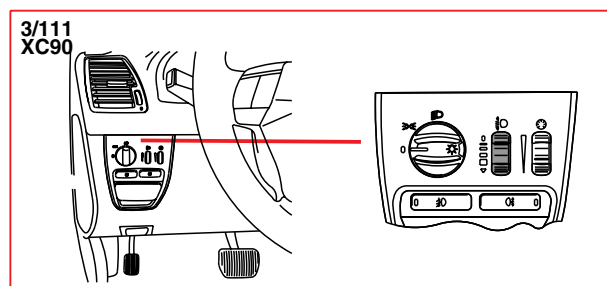


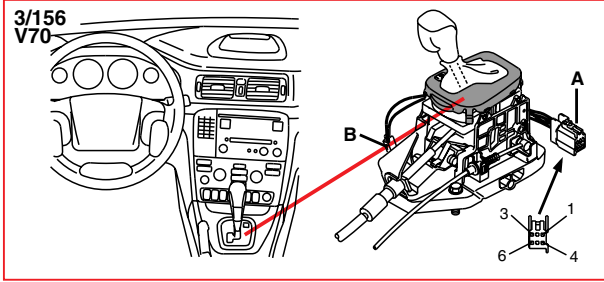
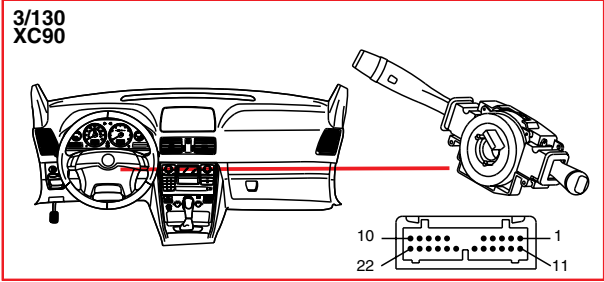
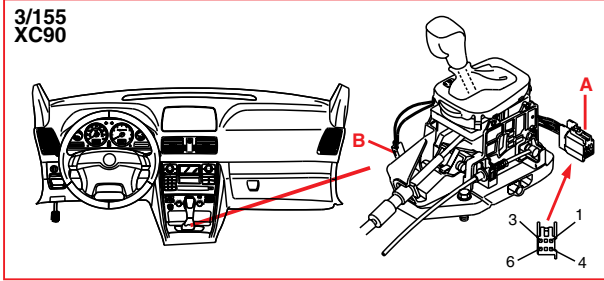
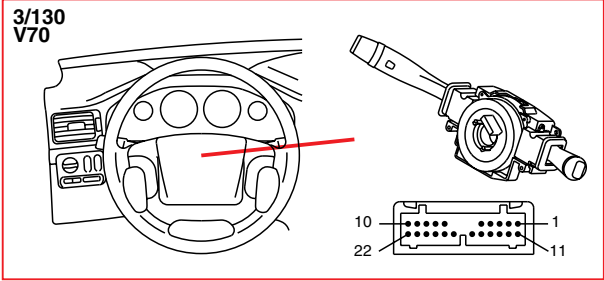
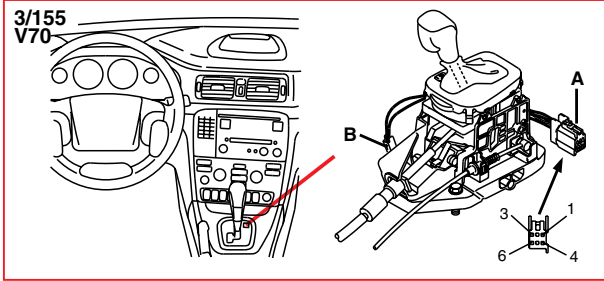
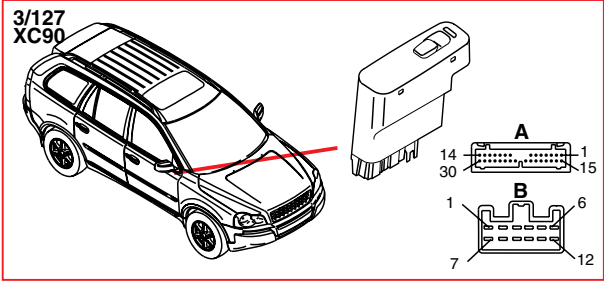
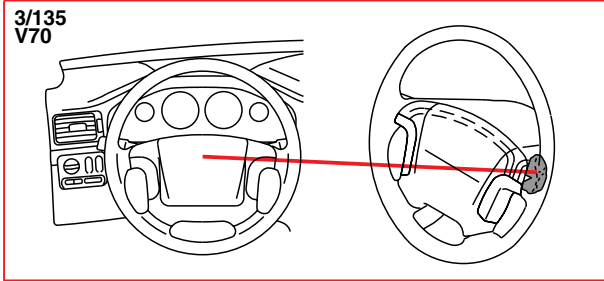
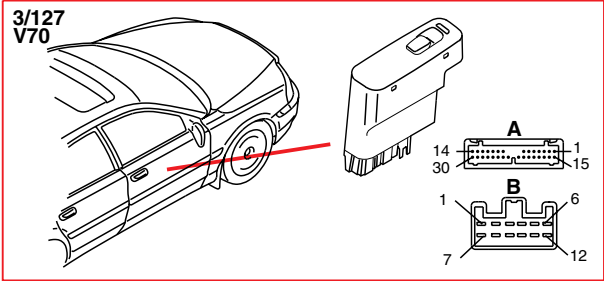
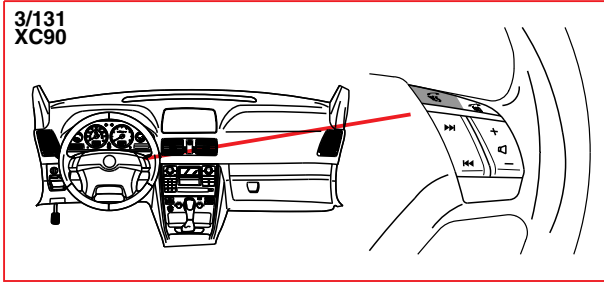
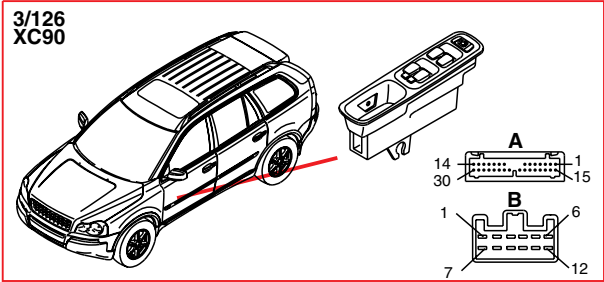
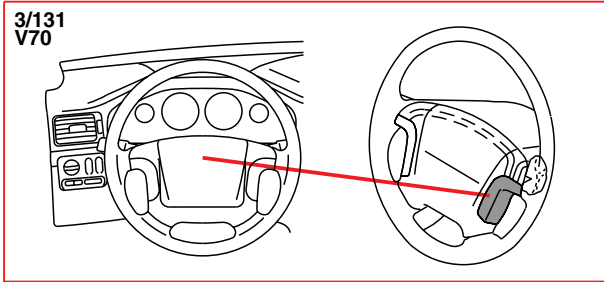
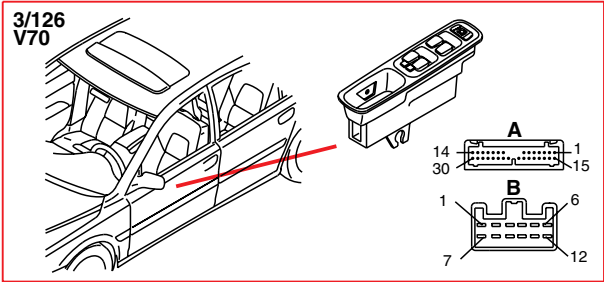
Component illustrations
3/82 - 3/111



Component illustrations

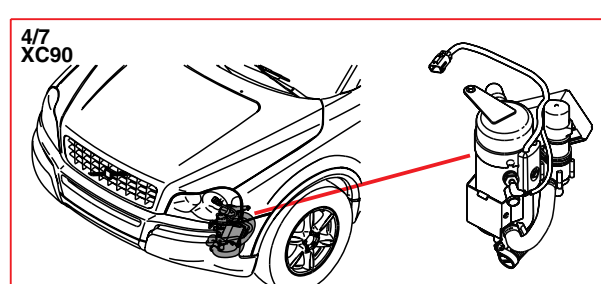
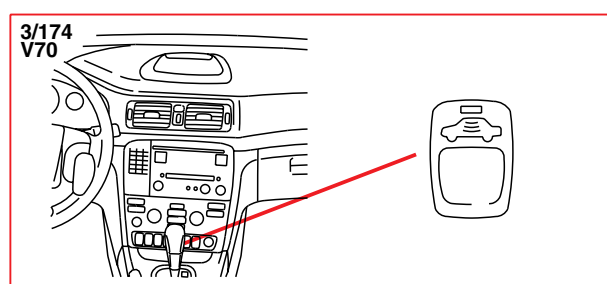
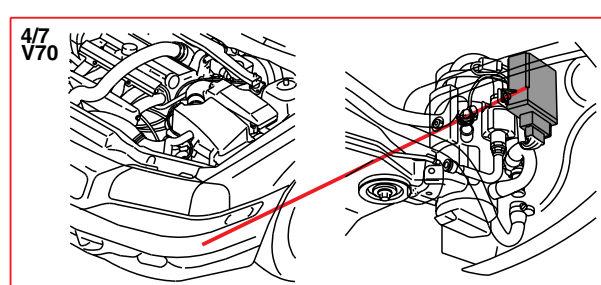
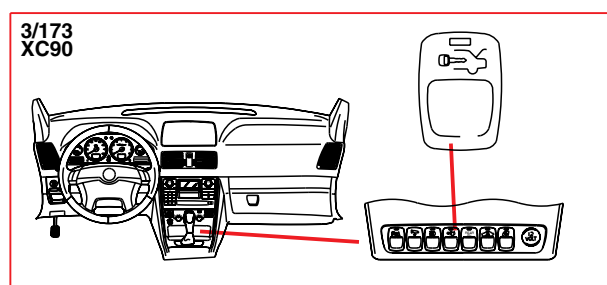
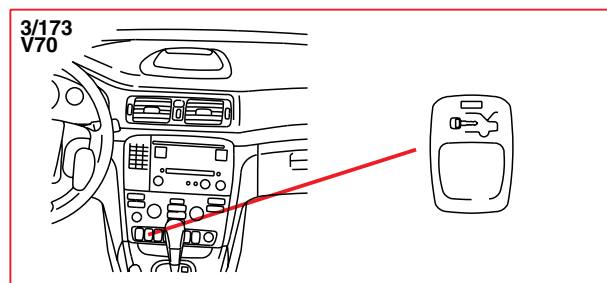
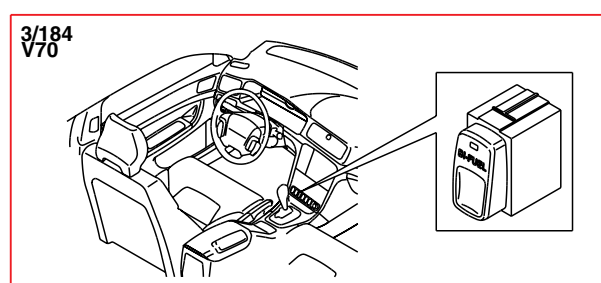
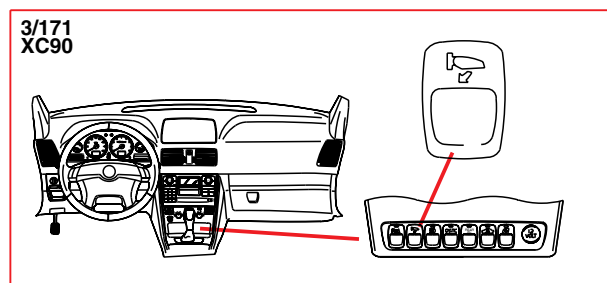
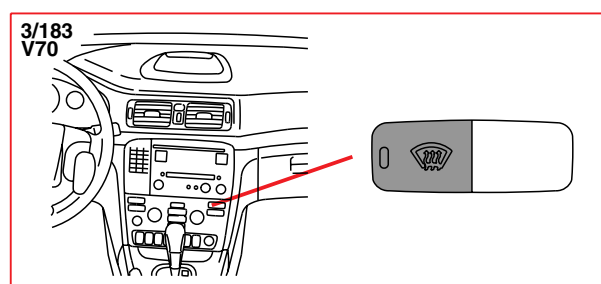
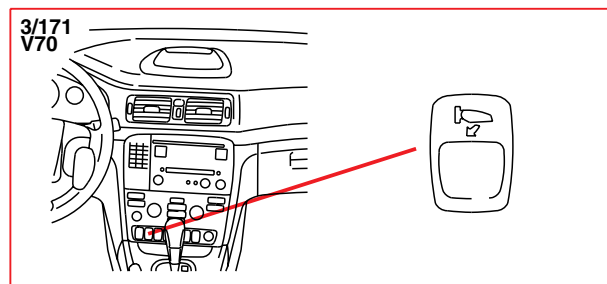
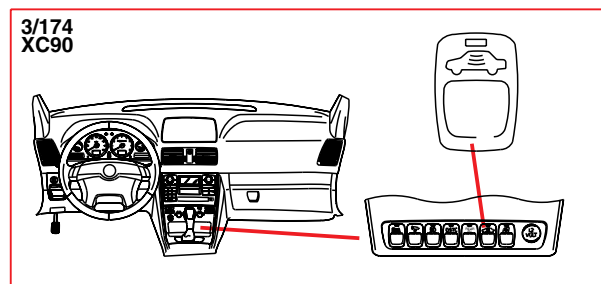
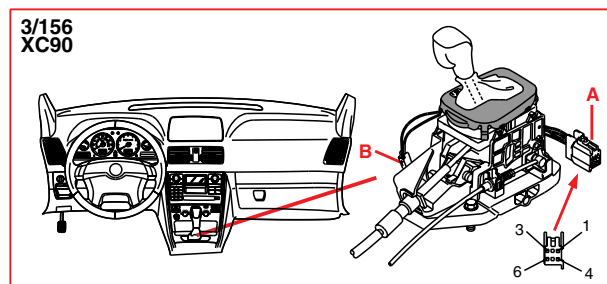
3/111 - 3/125

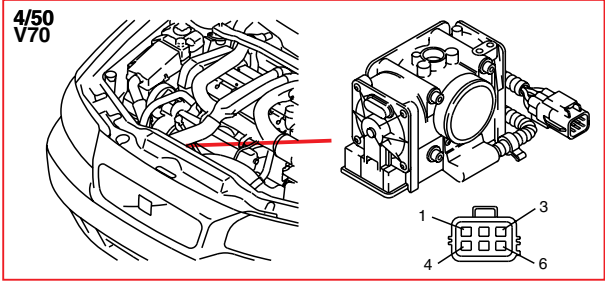
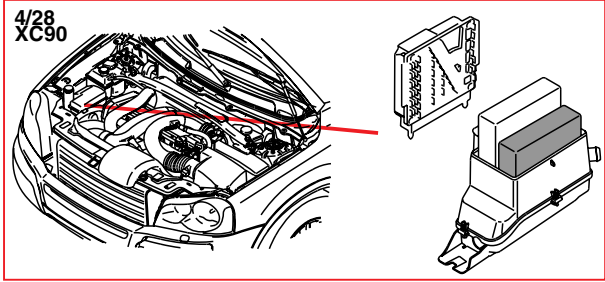
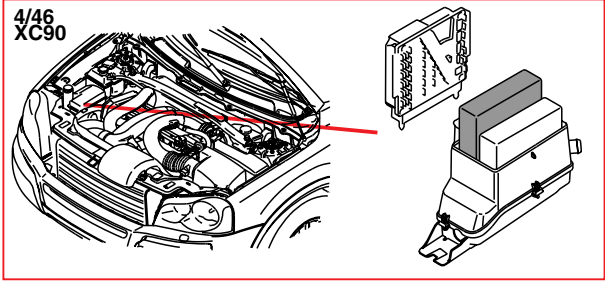
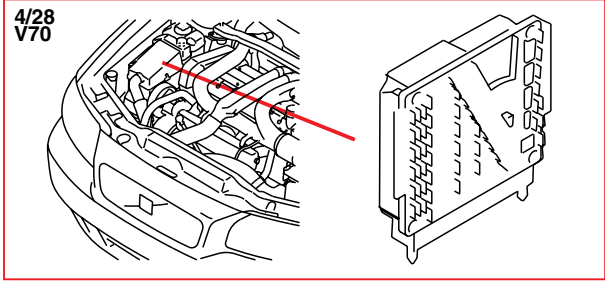
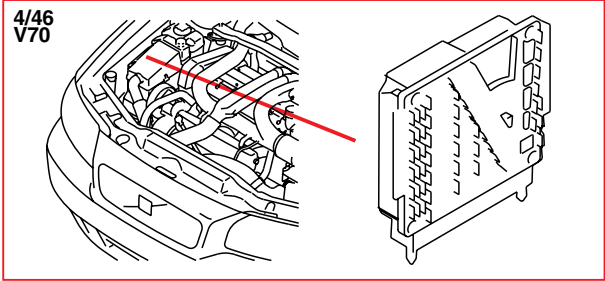
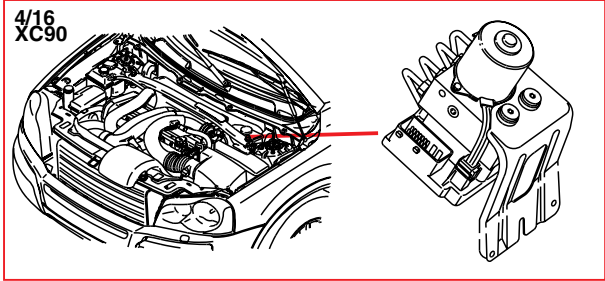
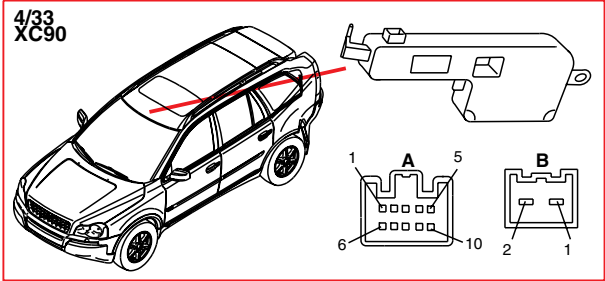
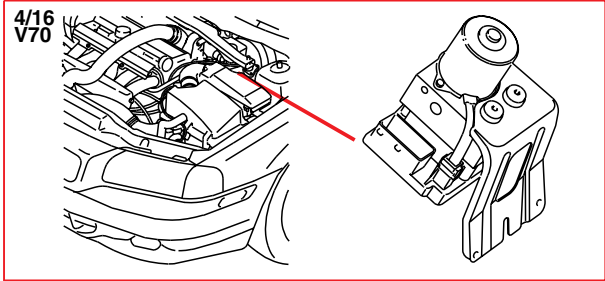
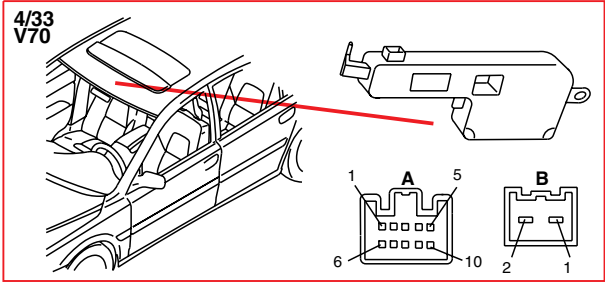
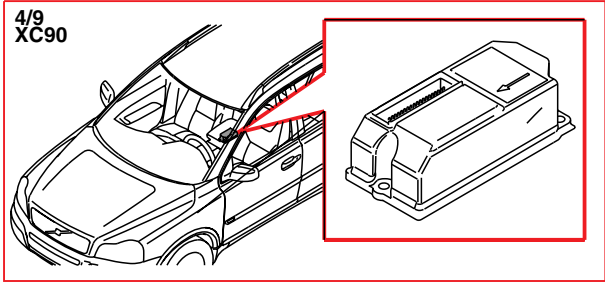
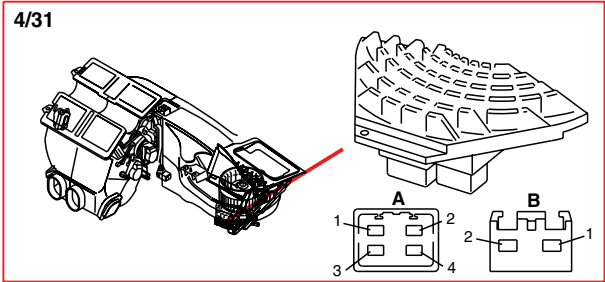
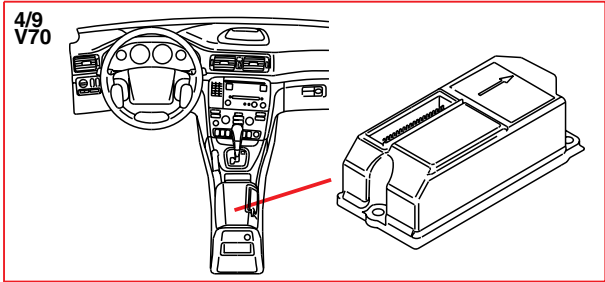




Component illustrations

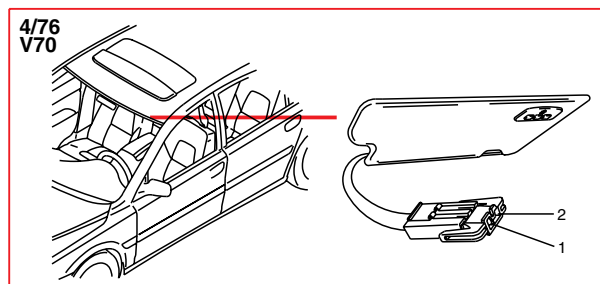
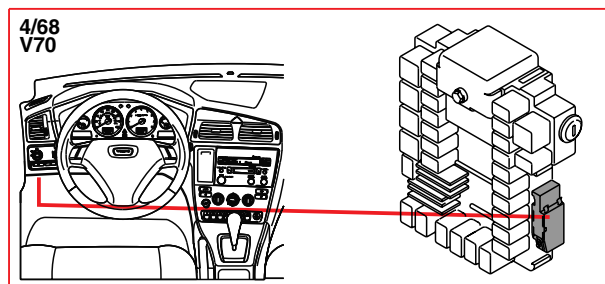
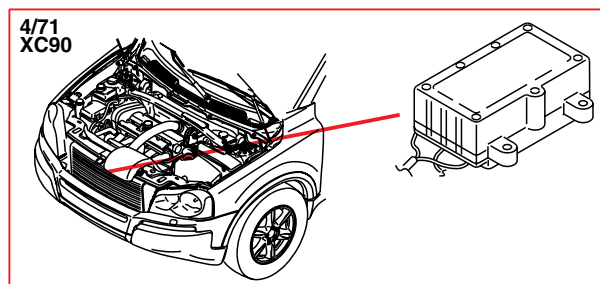
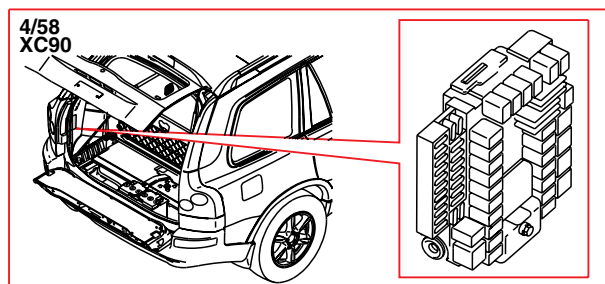
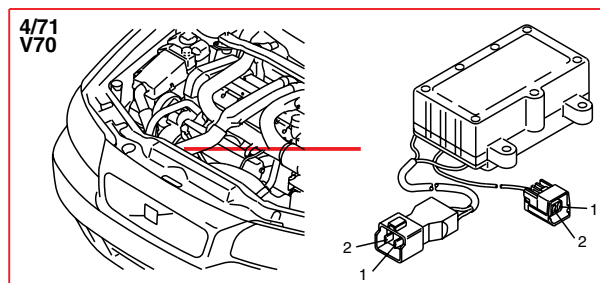
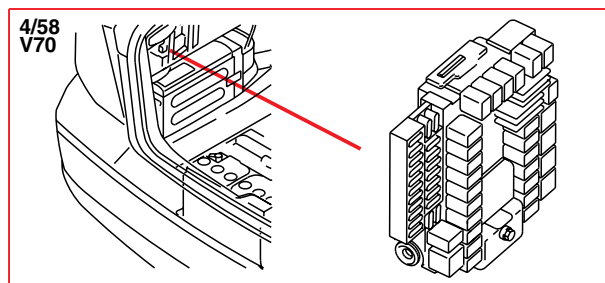
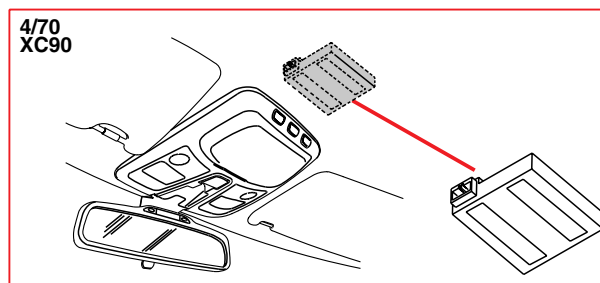
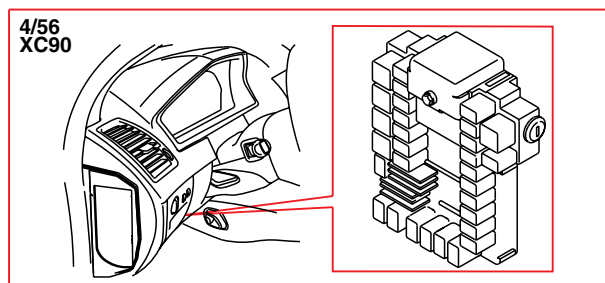
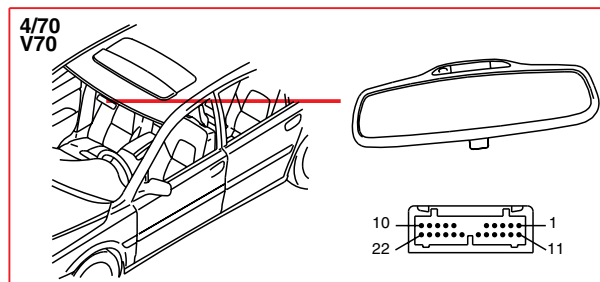
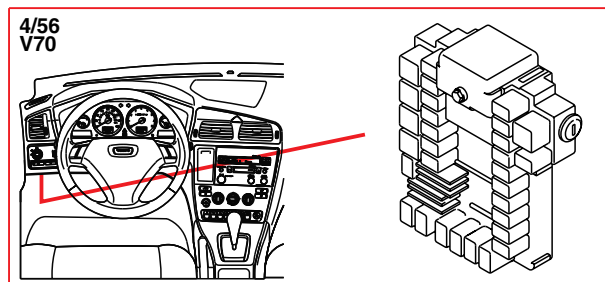
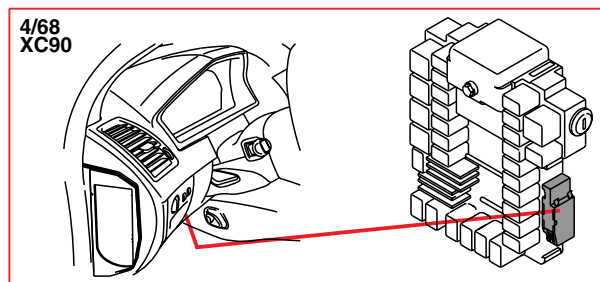
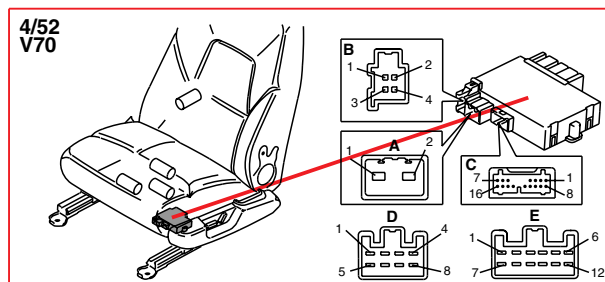
3/156 - 4/7

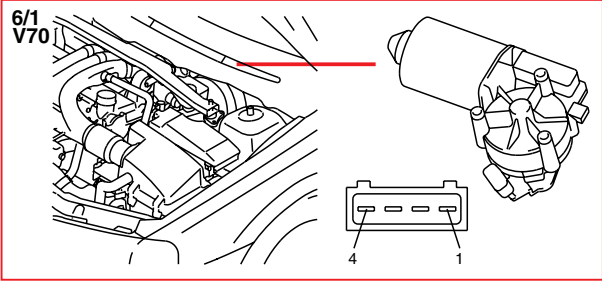
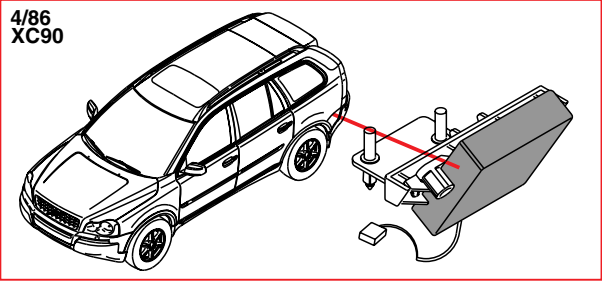
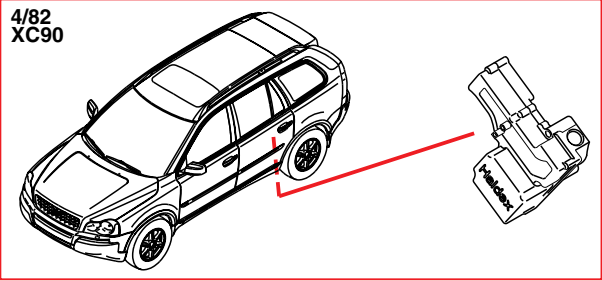
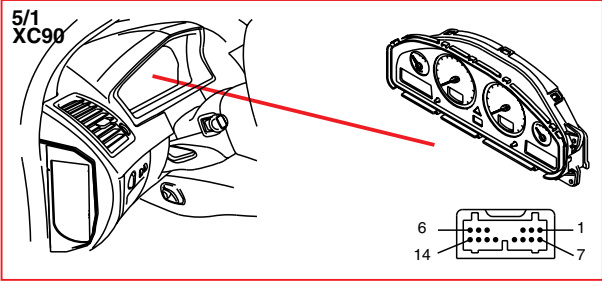
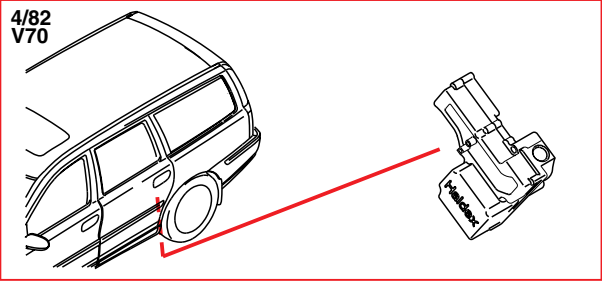
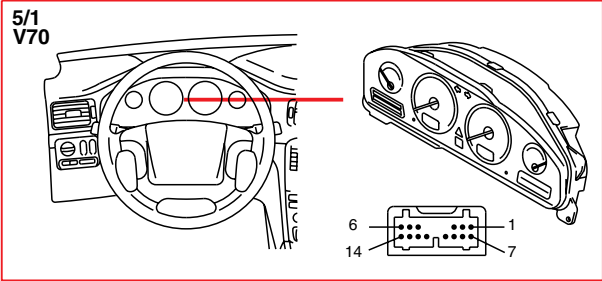
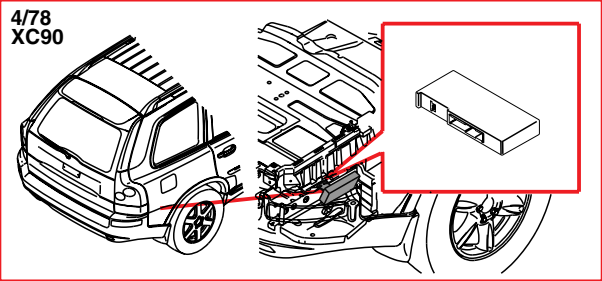
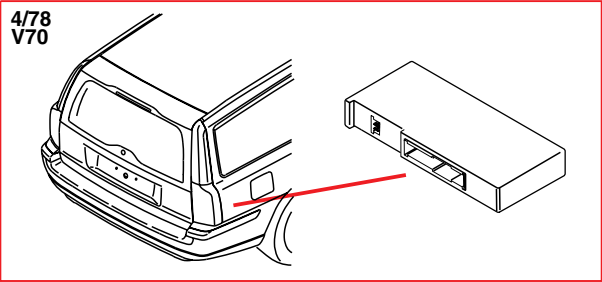
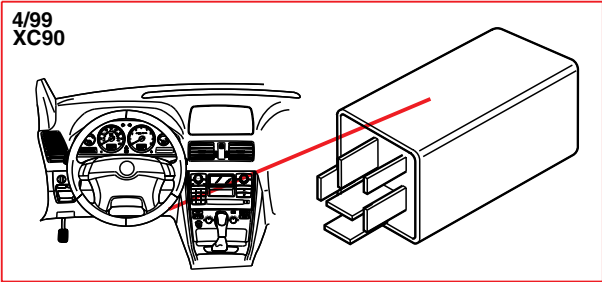
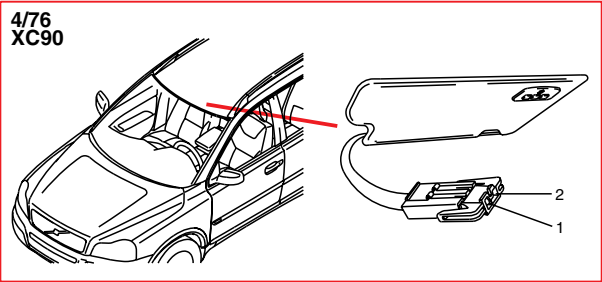




Component illustrations

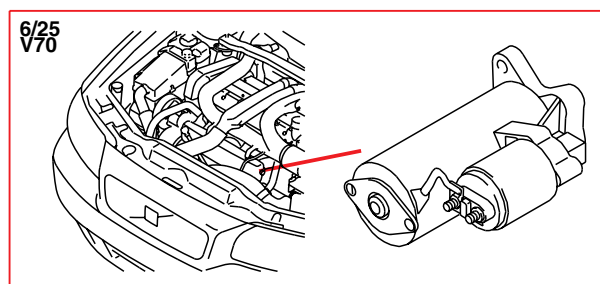
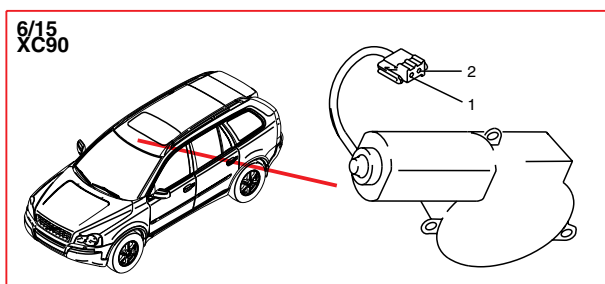
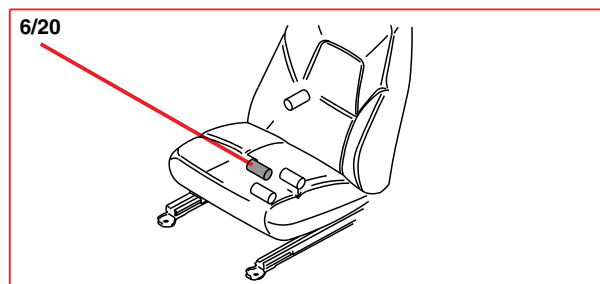
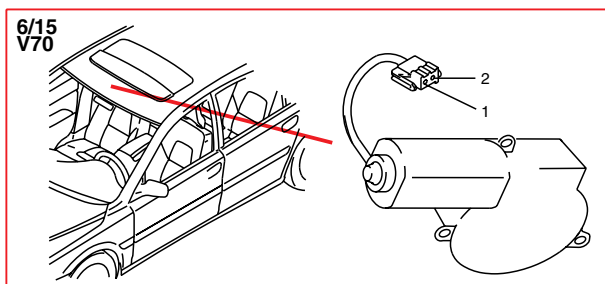
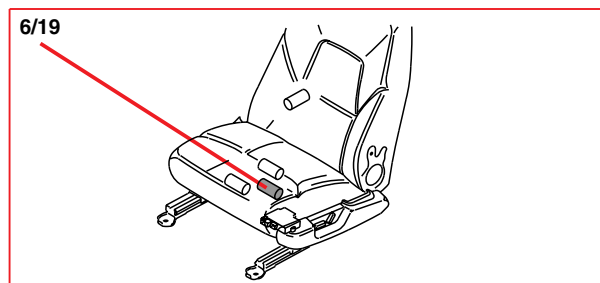
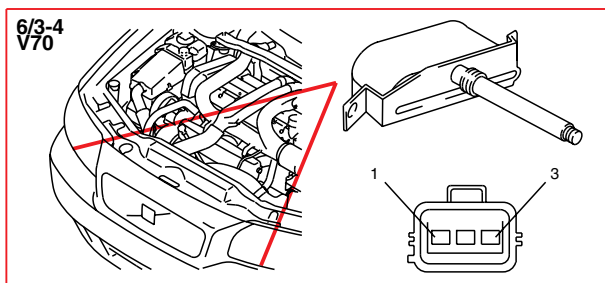
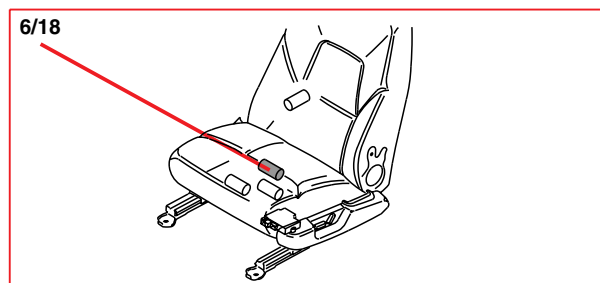
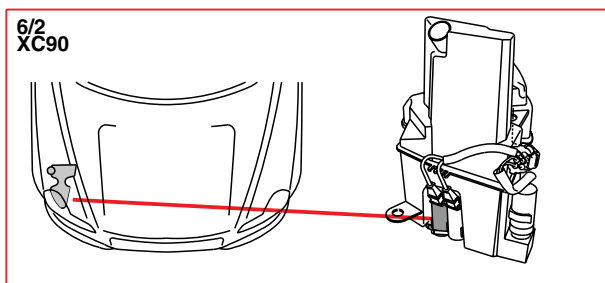
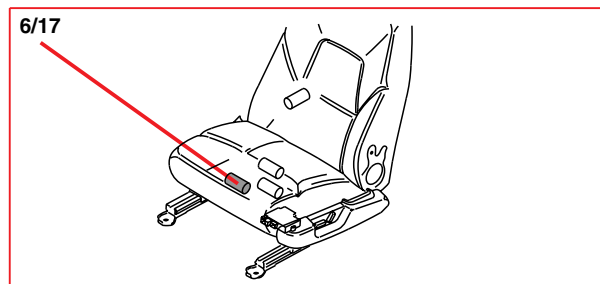
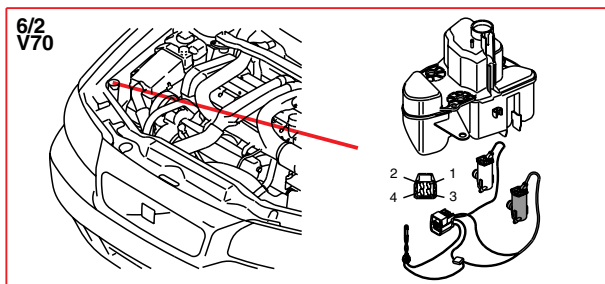
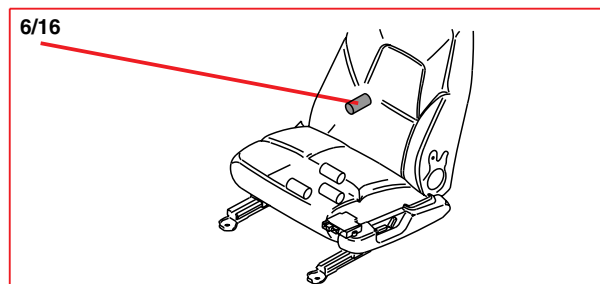
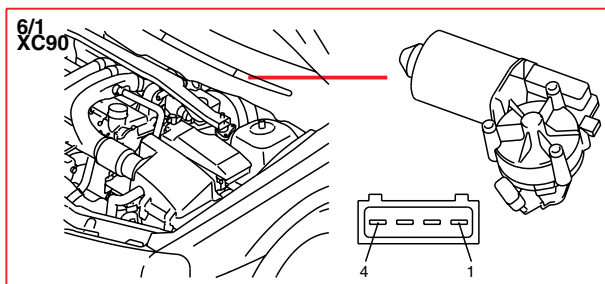
4/52 - 4/76



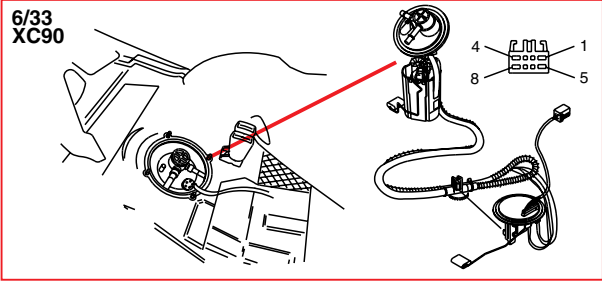
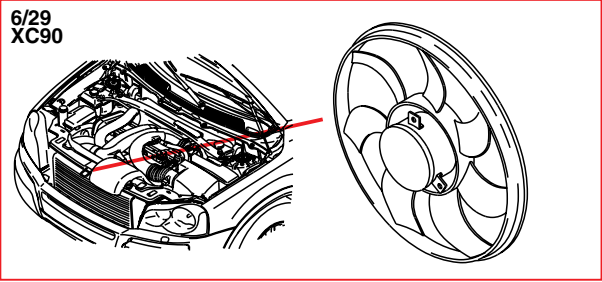
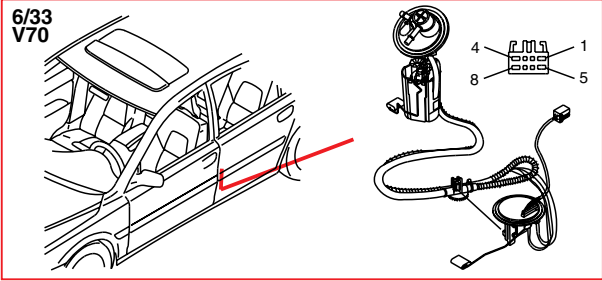
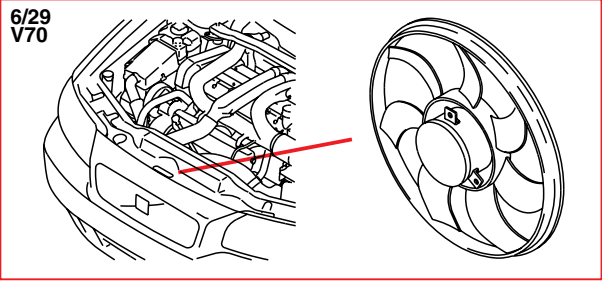
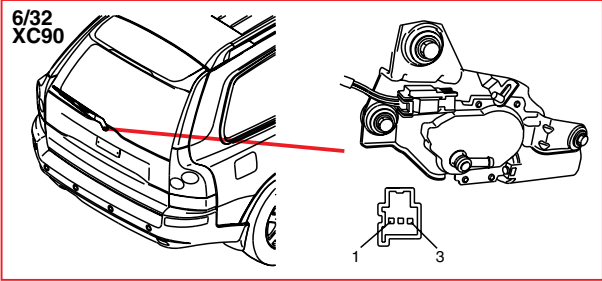
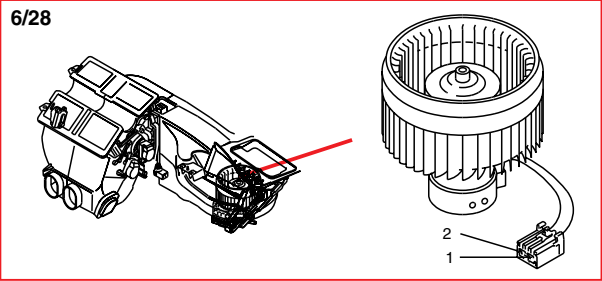
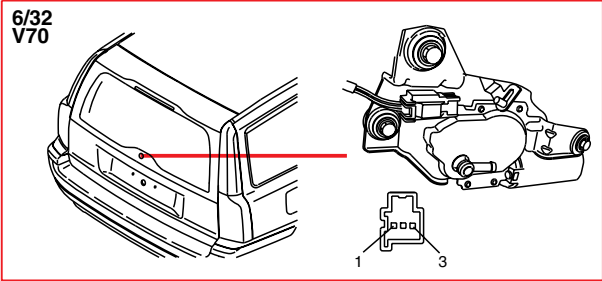
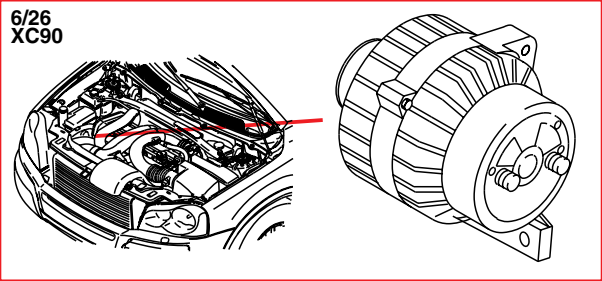
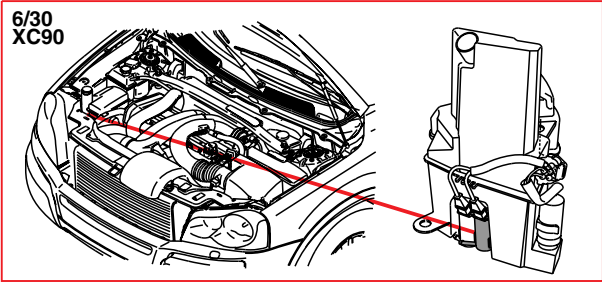
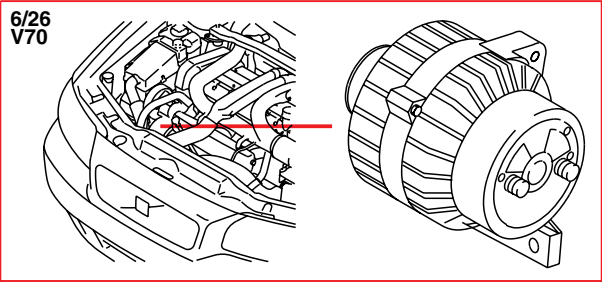
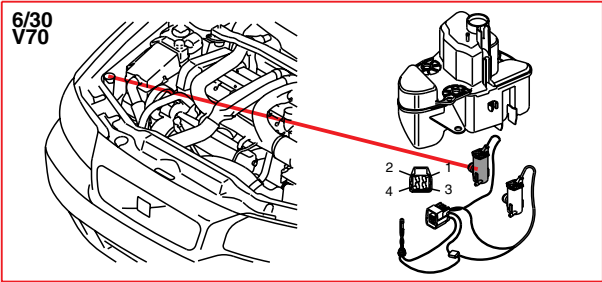
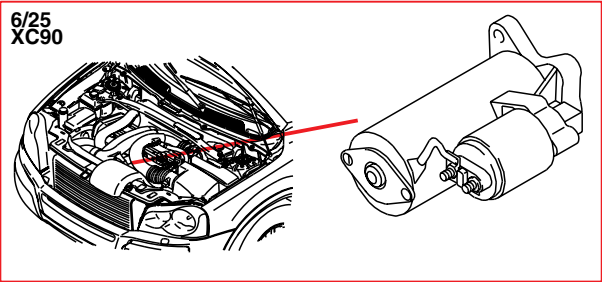


Component illustrations

6/1 - 6/25

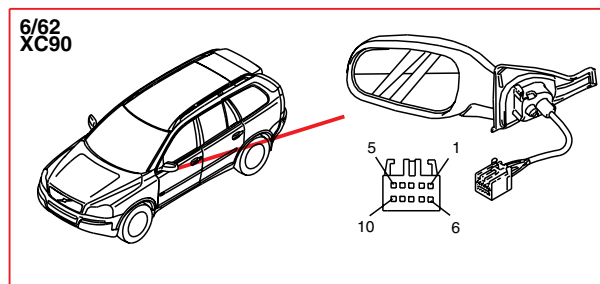
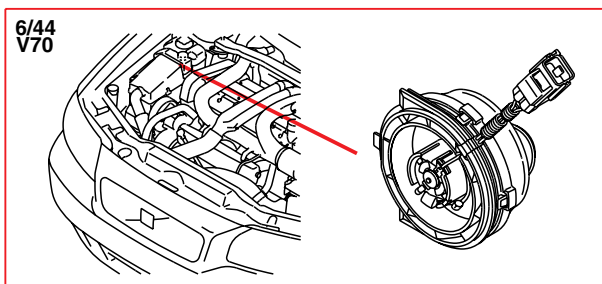
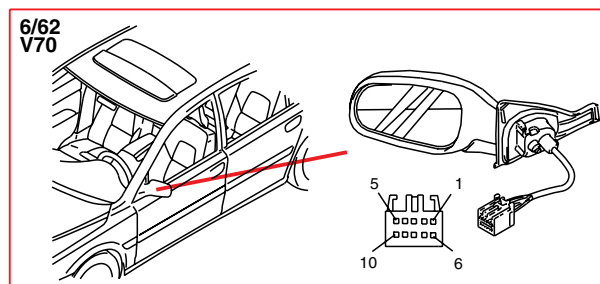
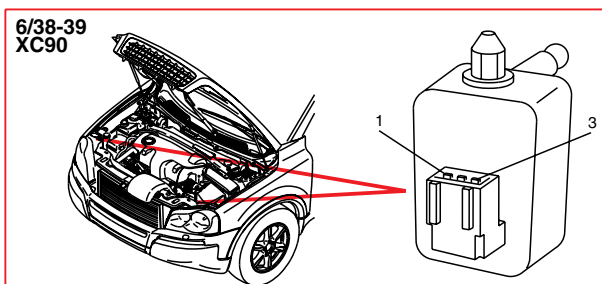
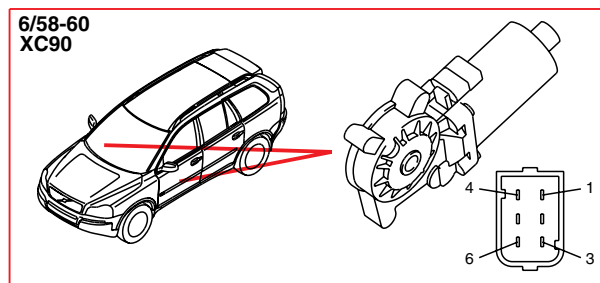
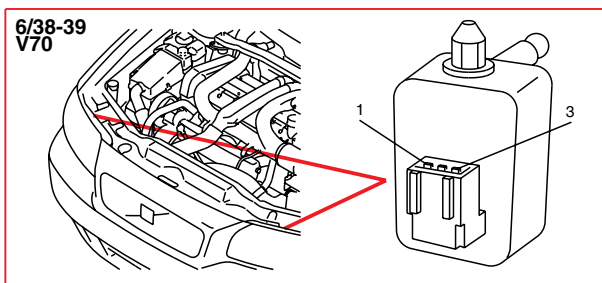
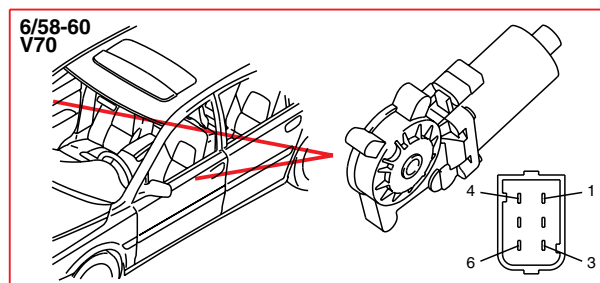
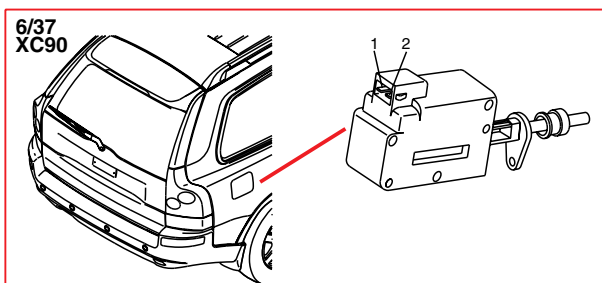
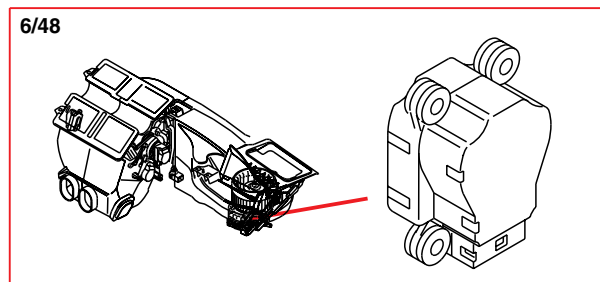
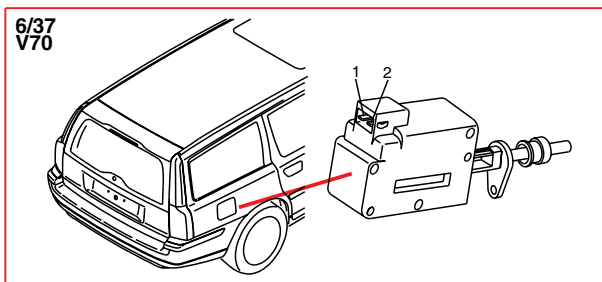
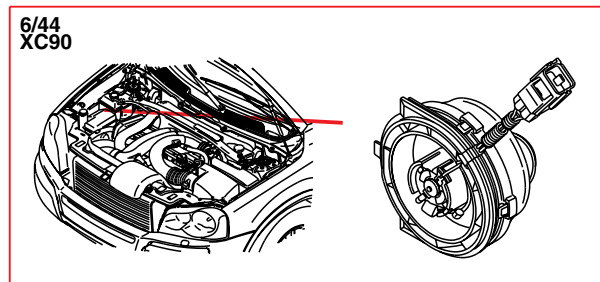
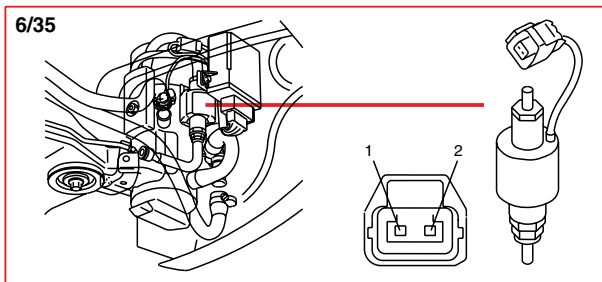


Component illustrations
6/25 - 6/33

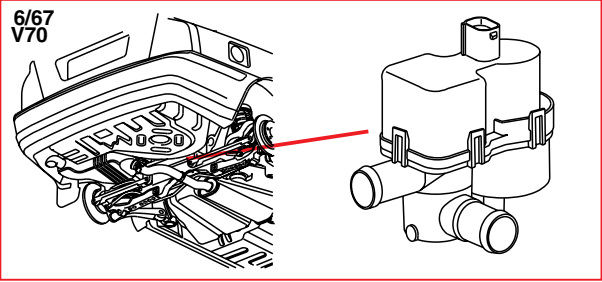
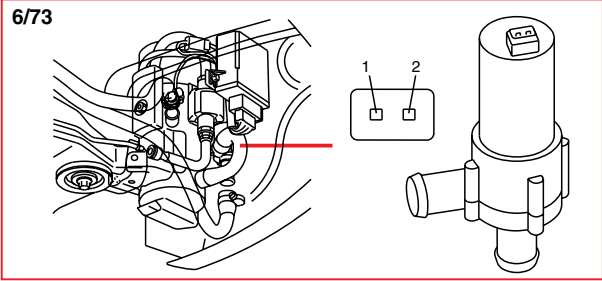
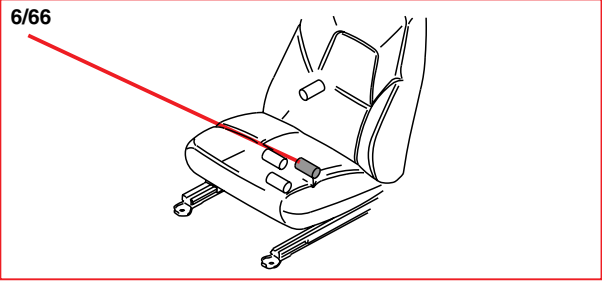
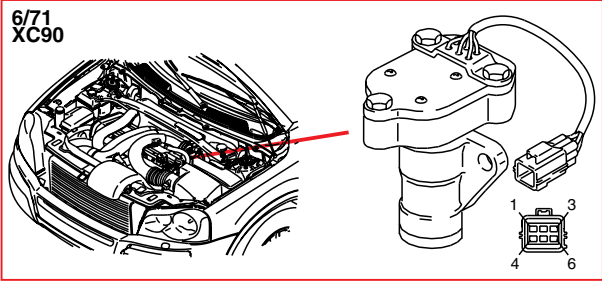
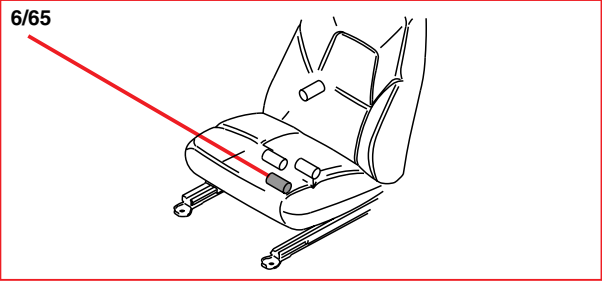
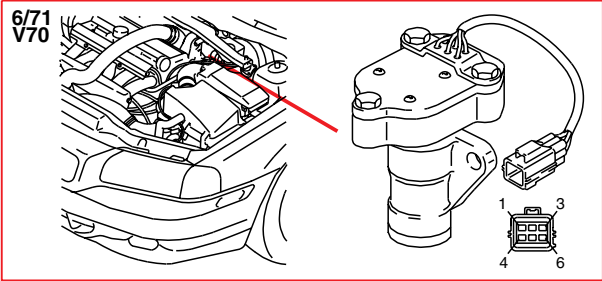
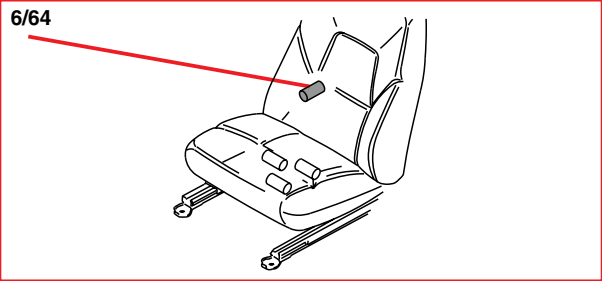
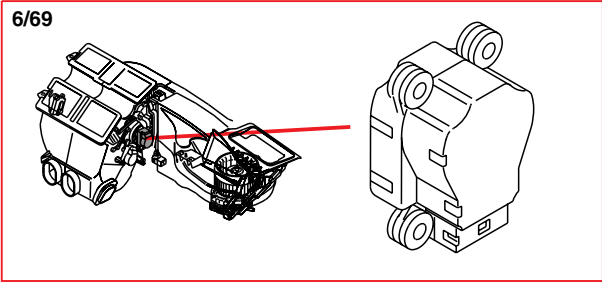
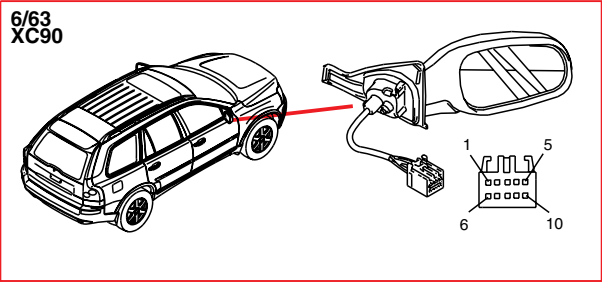
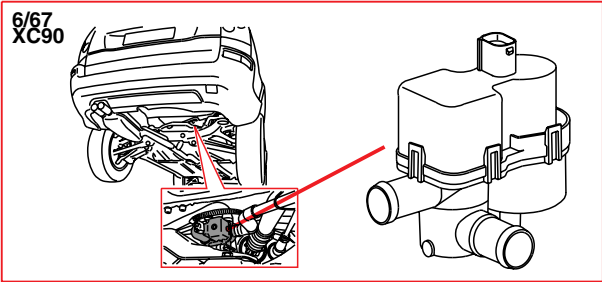
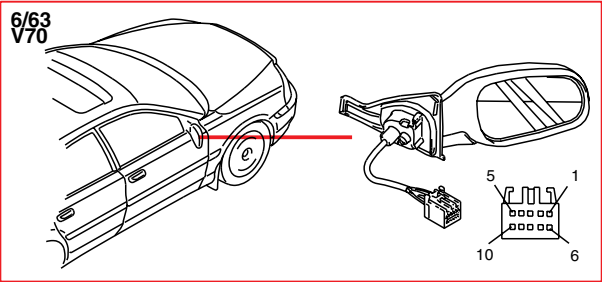


Component illustrations

6/35 - 6/62

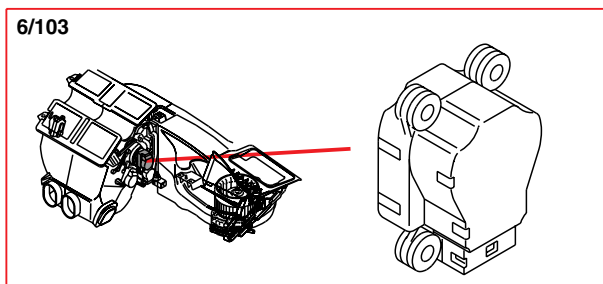
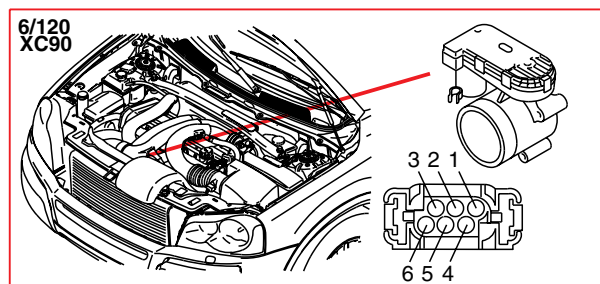
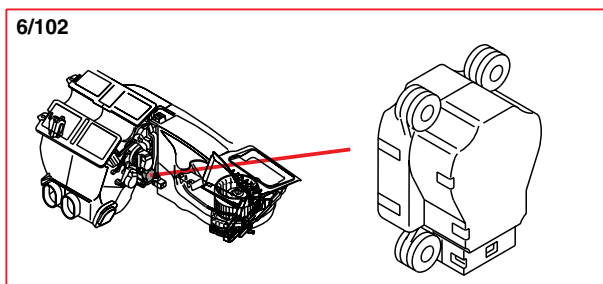
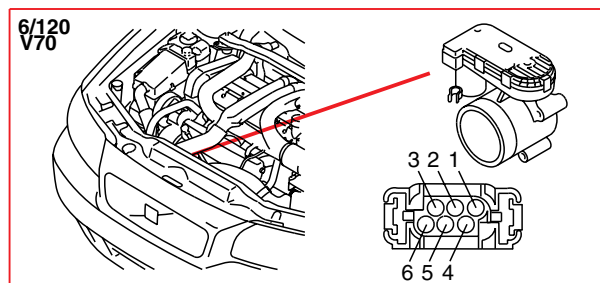
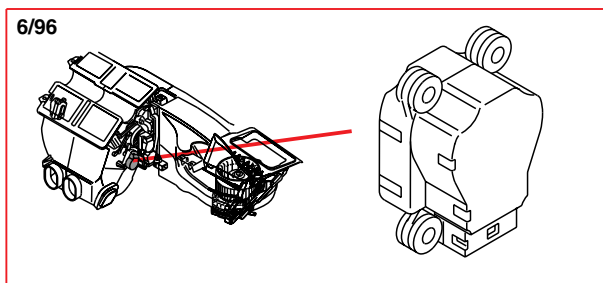
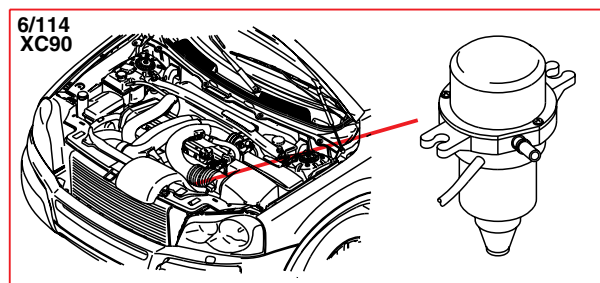
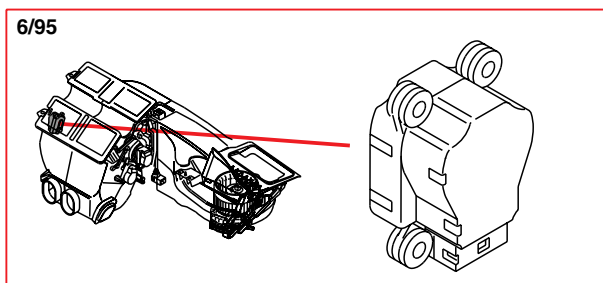
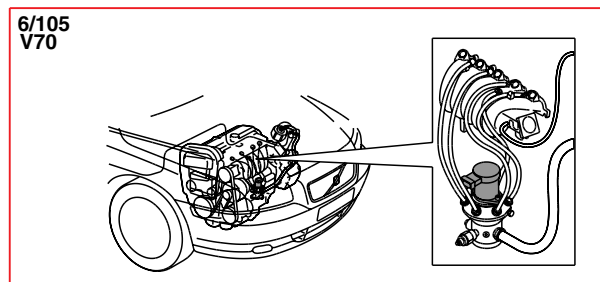
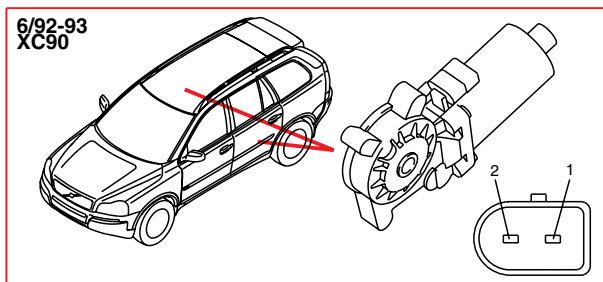
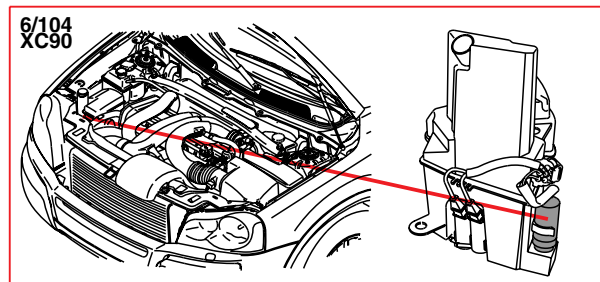
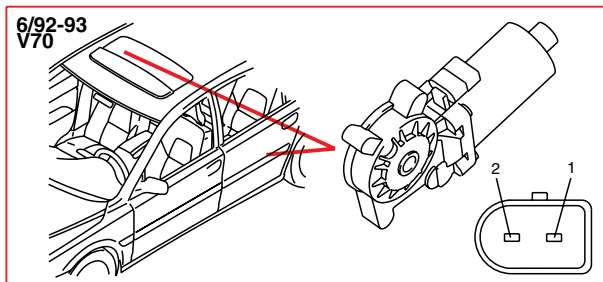


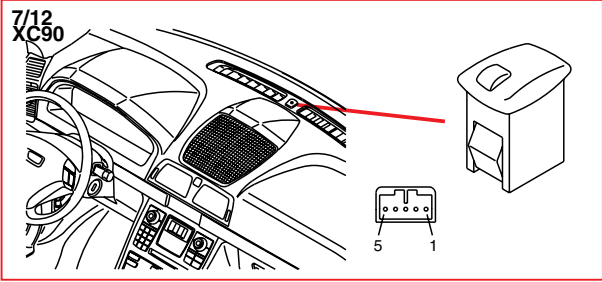
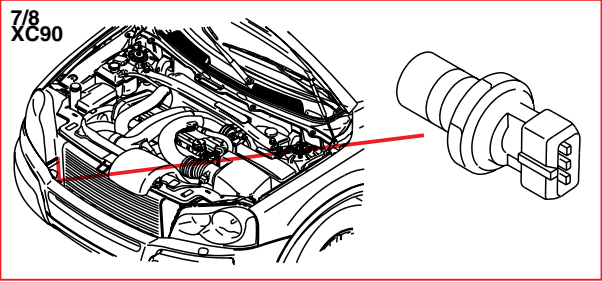
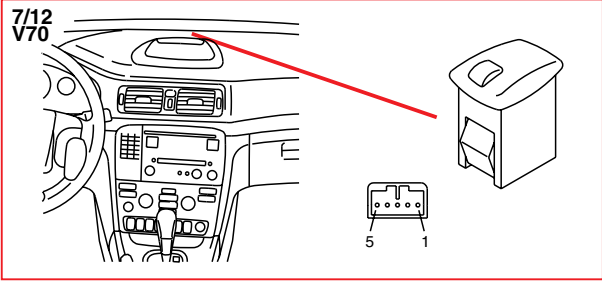
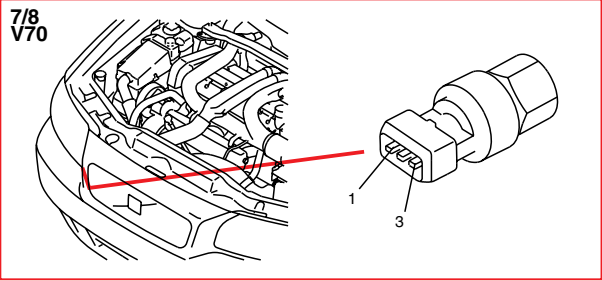
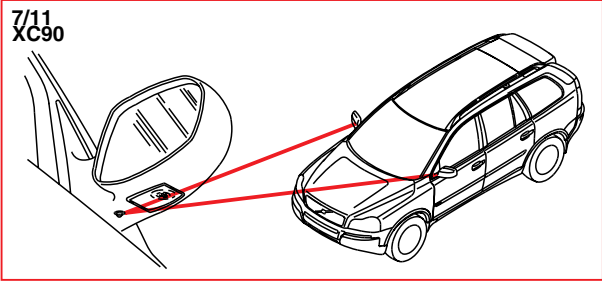
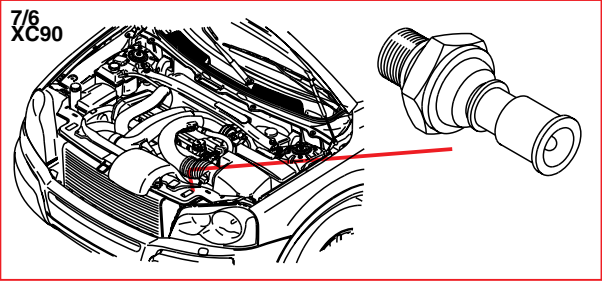
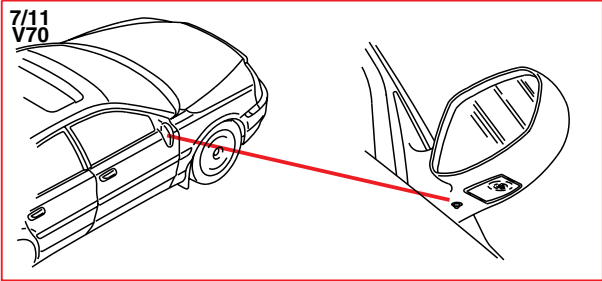
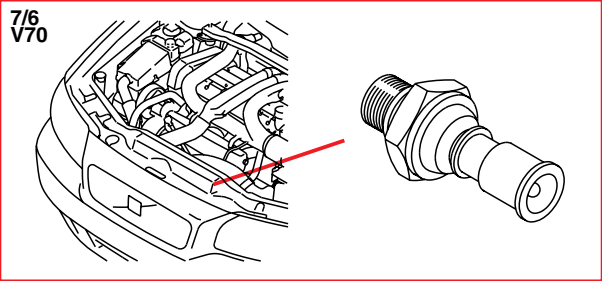
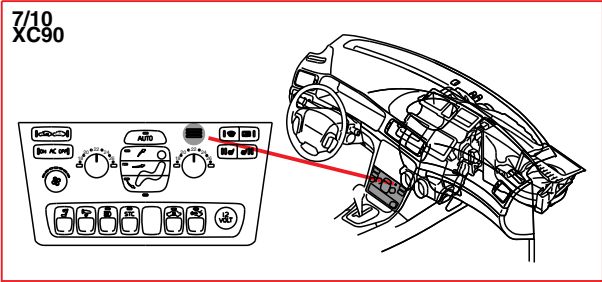
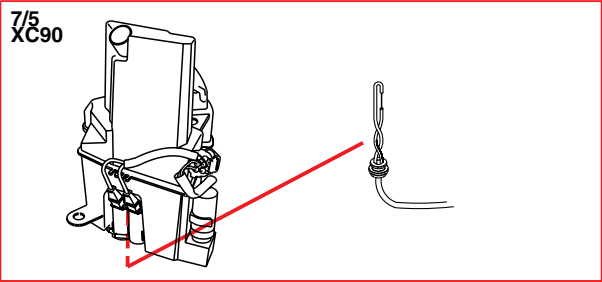
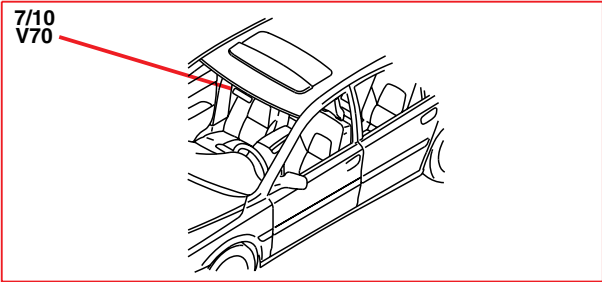
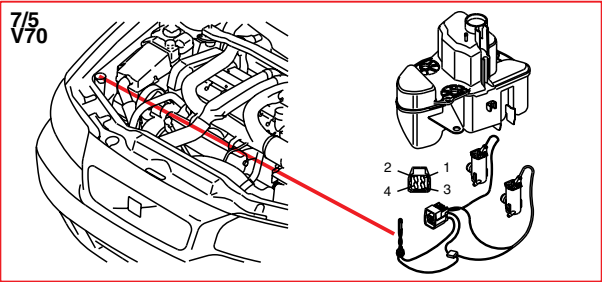
Component illustrations
6/63 - 6/73



Component illustrations

6/92 - 6/120

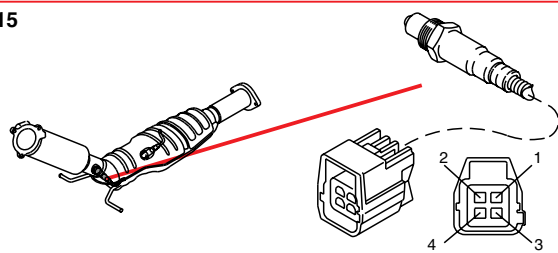




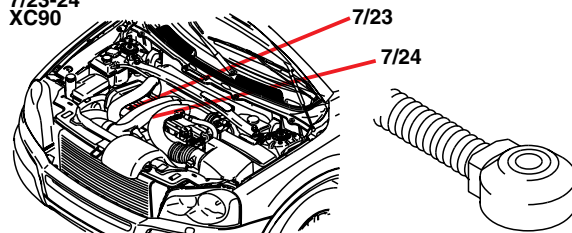
Component illustrations

7/15 - 7/51

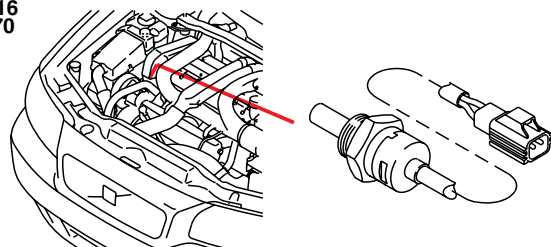
7/15



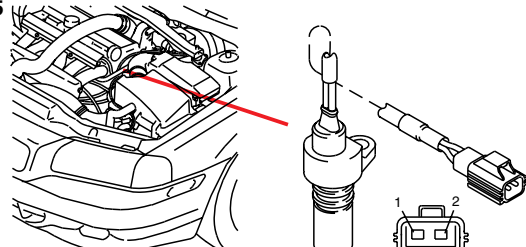
7/23-24
XC90



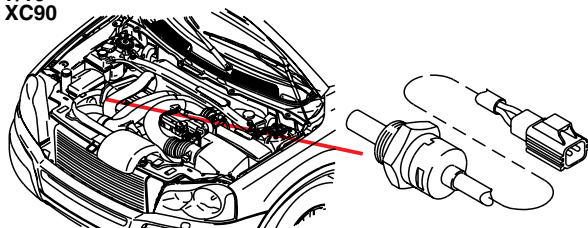
7/16
V70



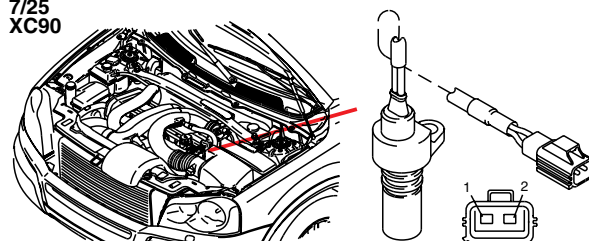
7/25
V70



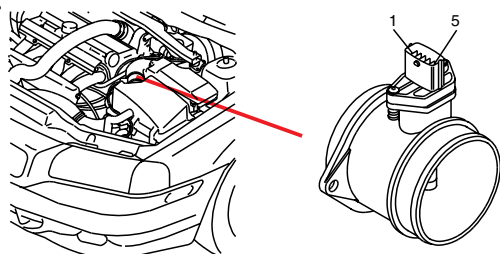
7/16
XC90



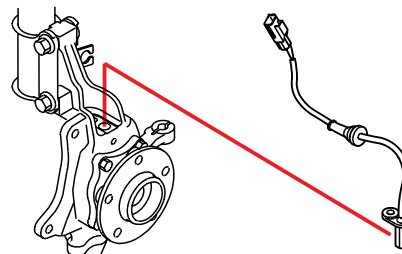
7/25
XC90



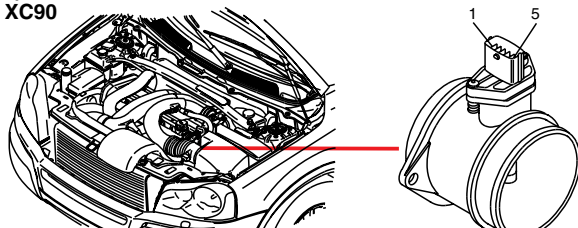
7/17
V70



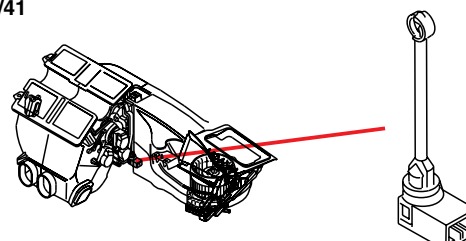
7/31-32



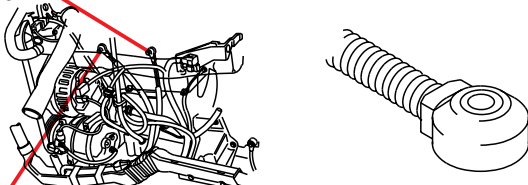
7/17
XC90



7/41

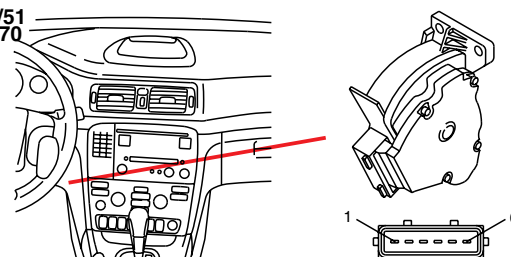


7/23
V70

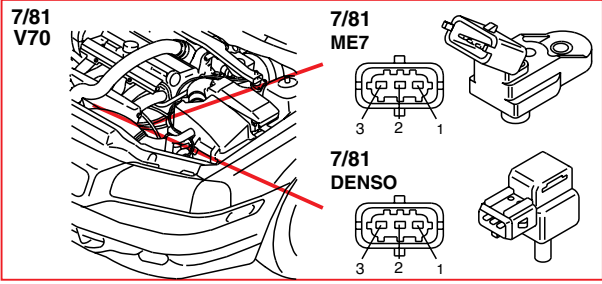
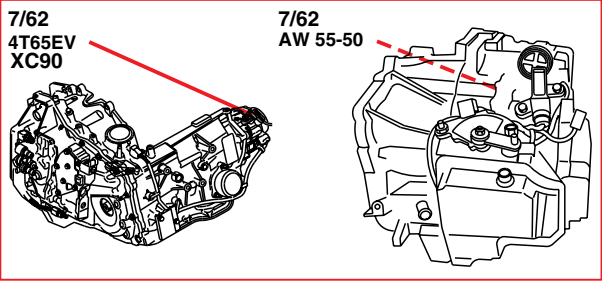
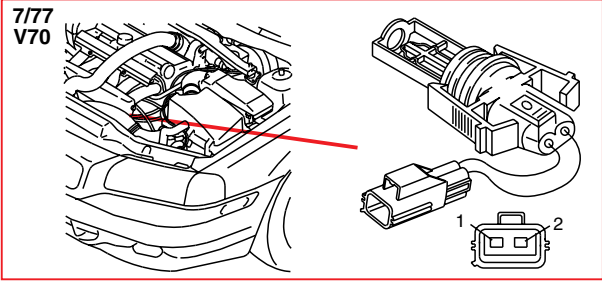
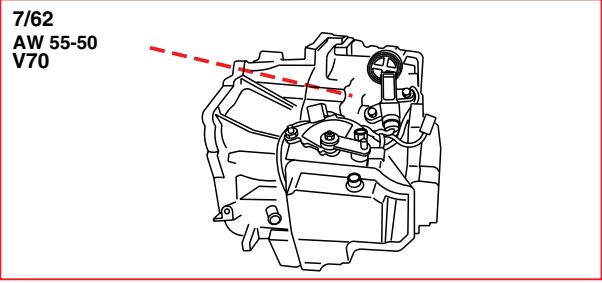
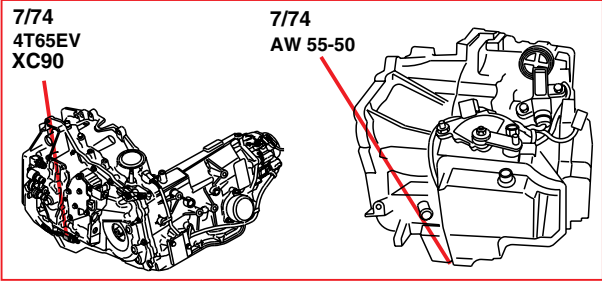
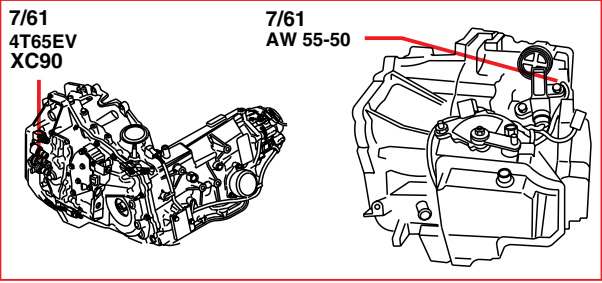
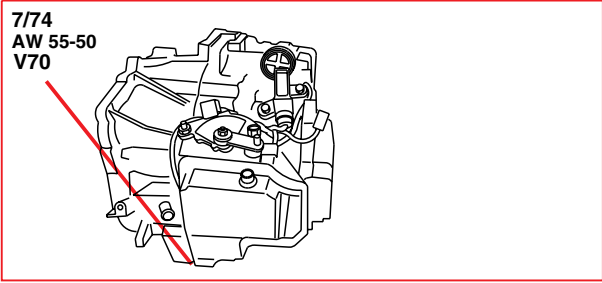
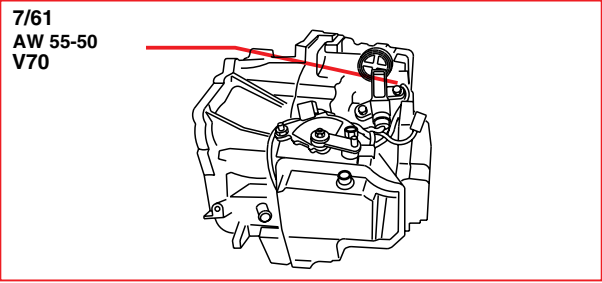
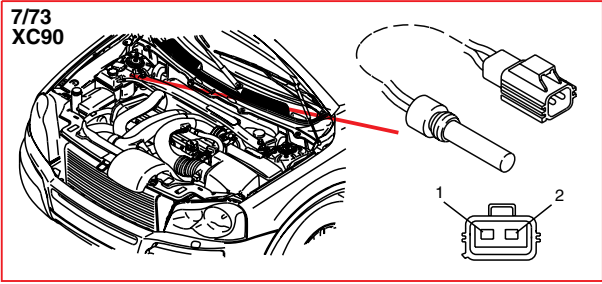
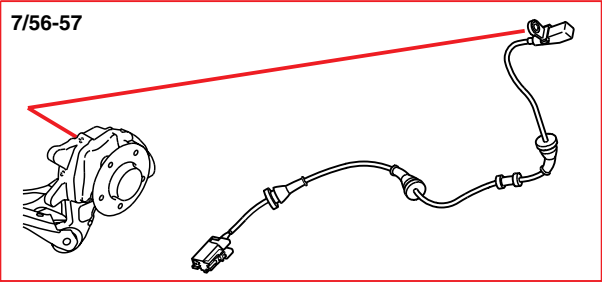
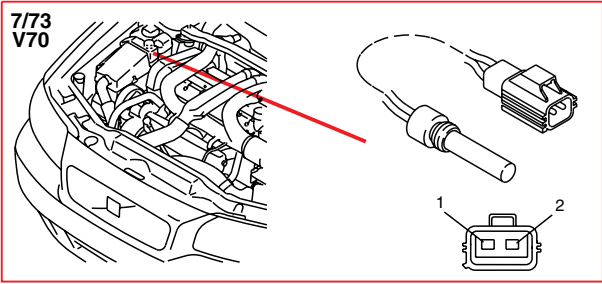
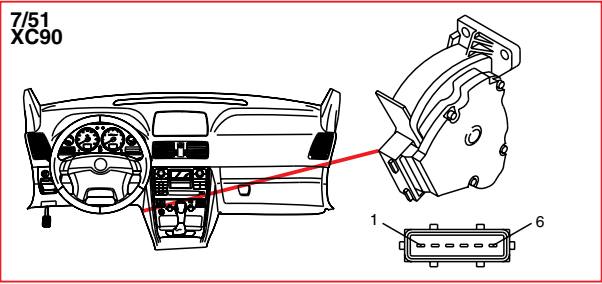


7/24

7/51
V70

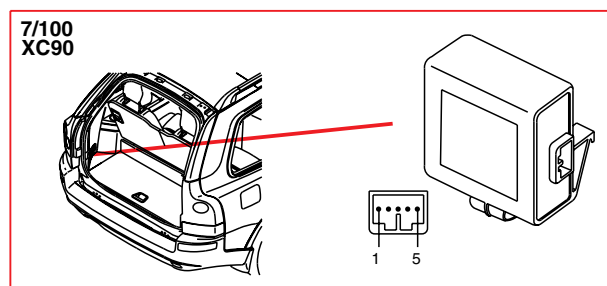
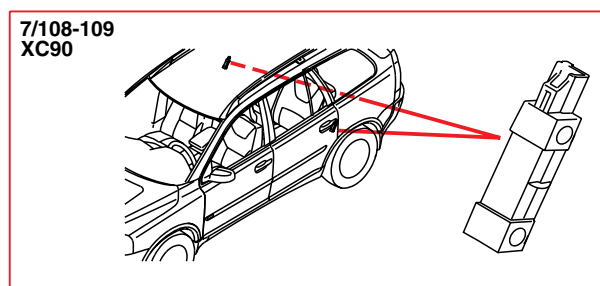
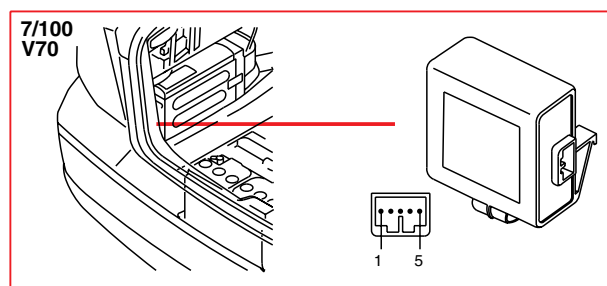
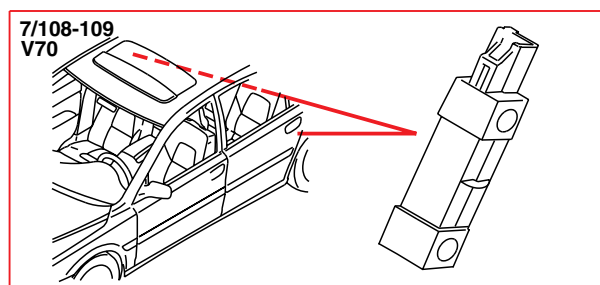
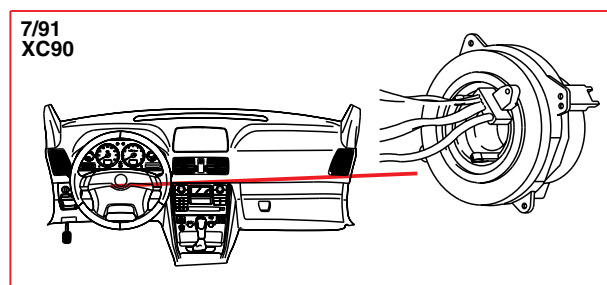
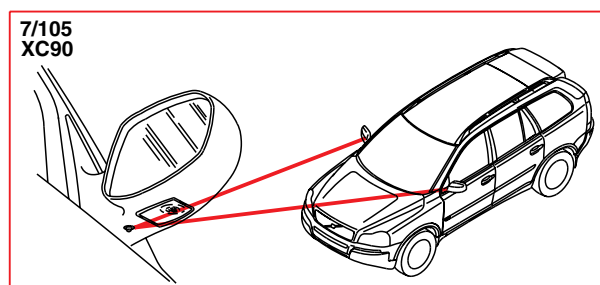
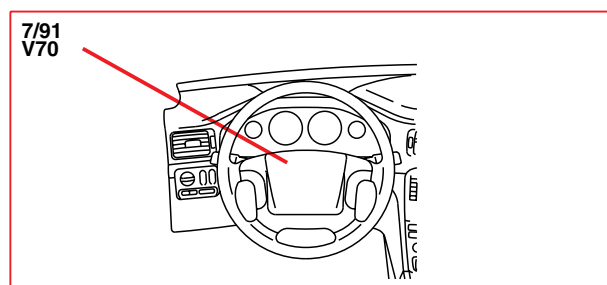
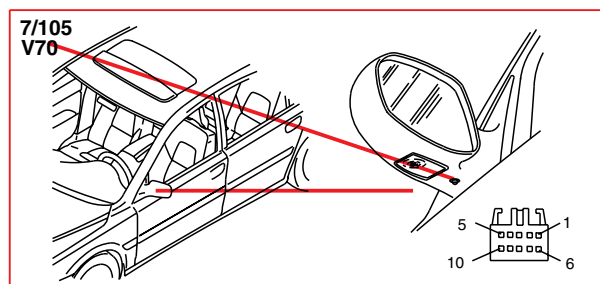
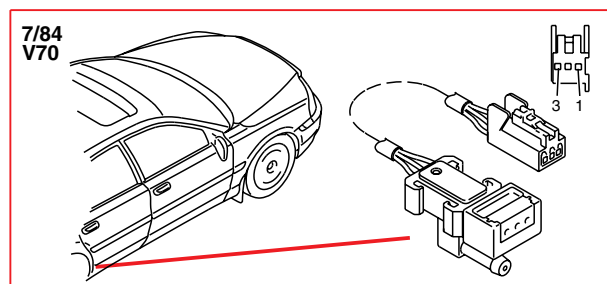
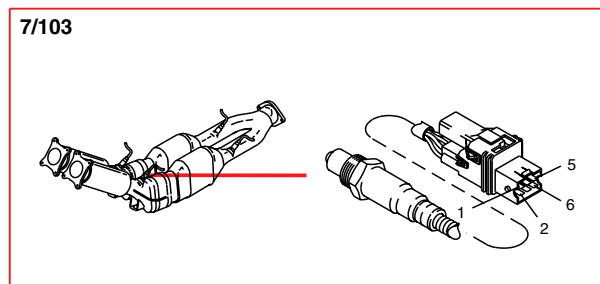
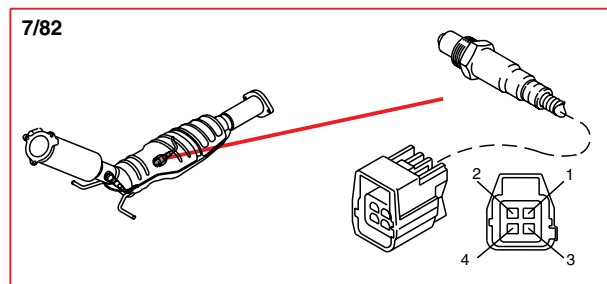


Component illustrations
7/51 - 7/81

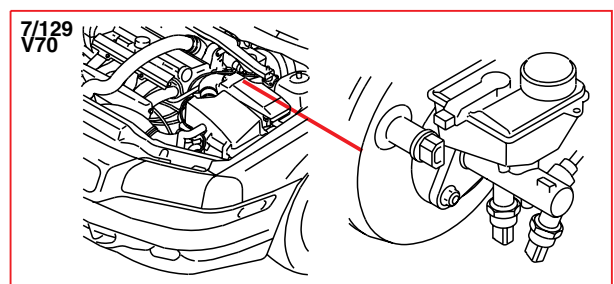
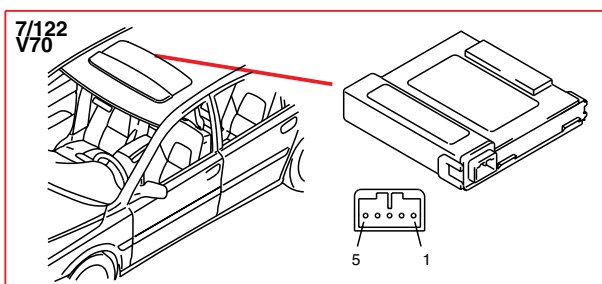
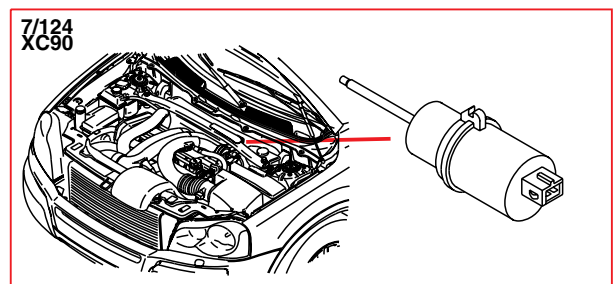
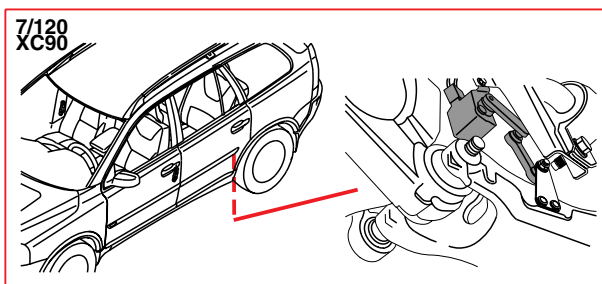
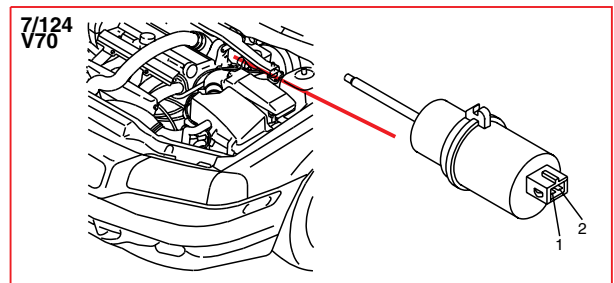
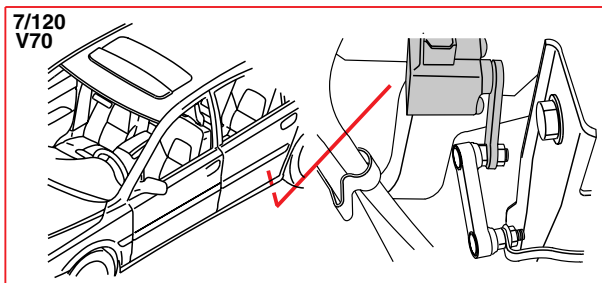
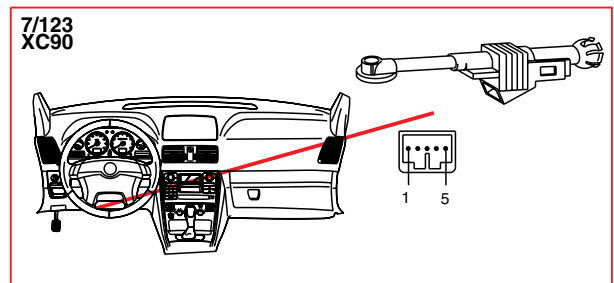
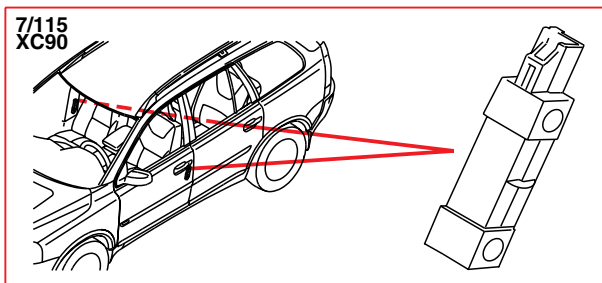
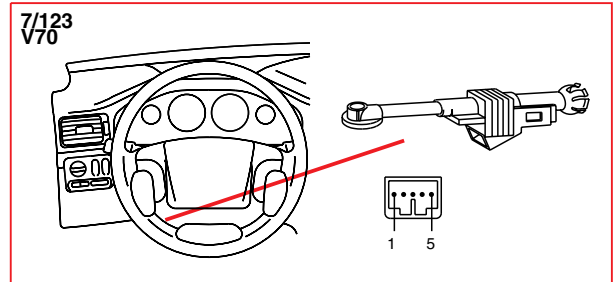
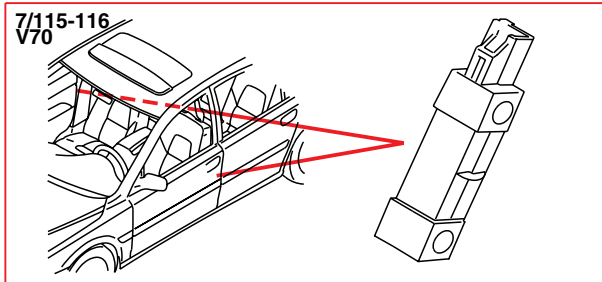
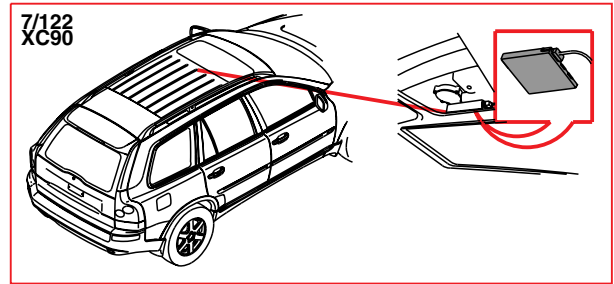
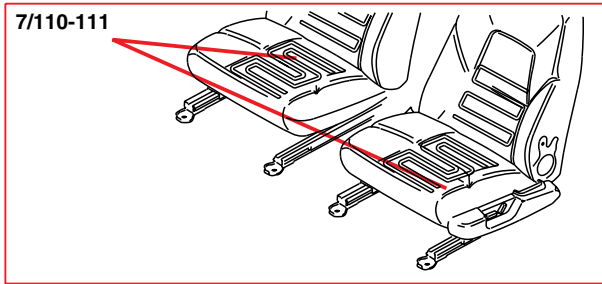


Component illustrations

7/82 - 7/109

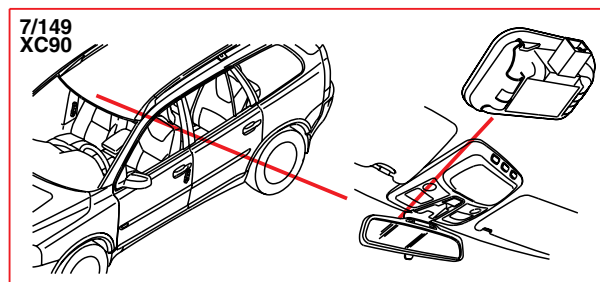
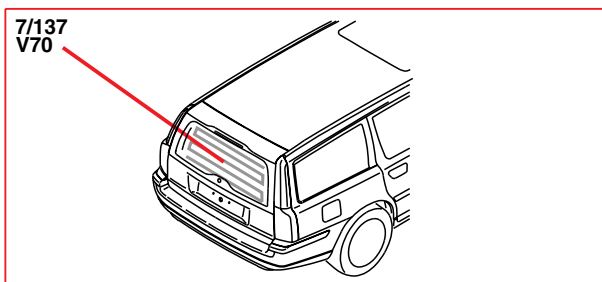
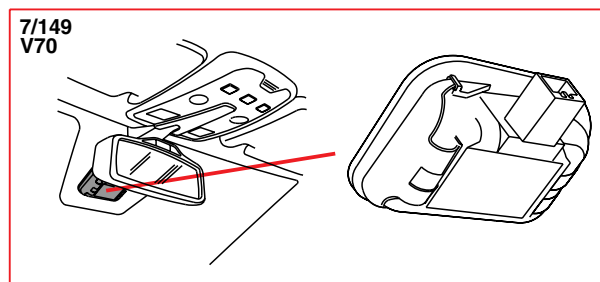
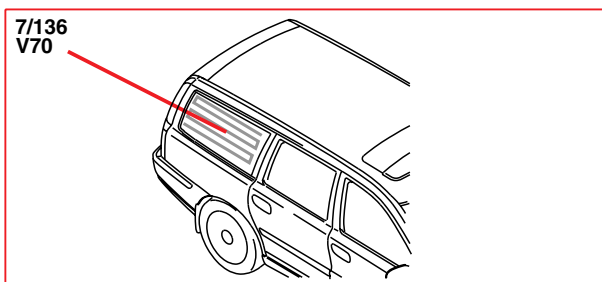
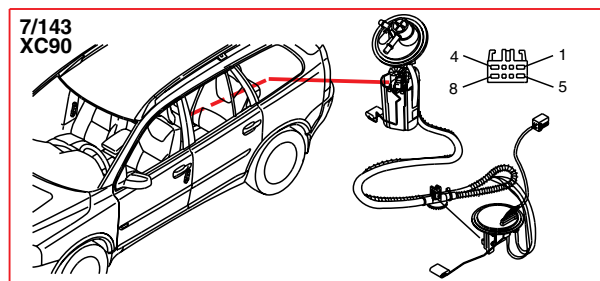
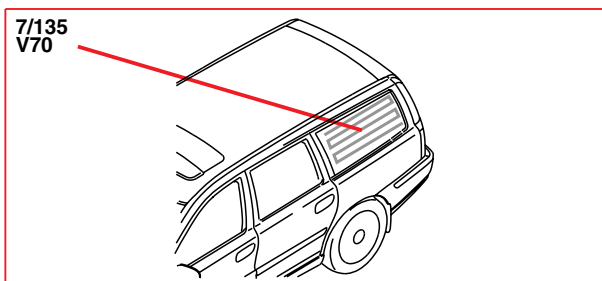
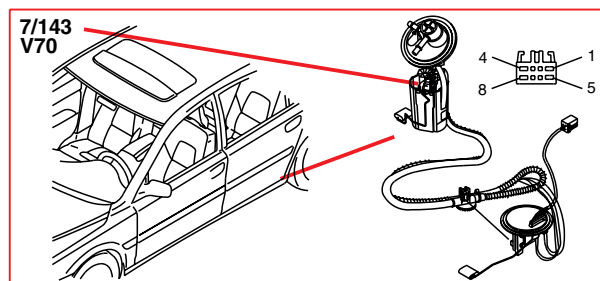
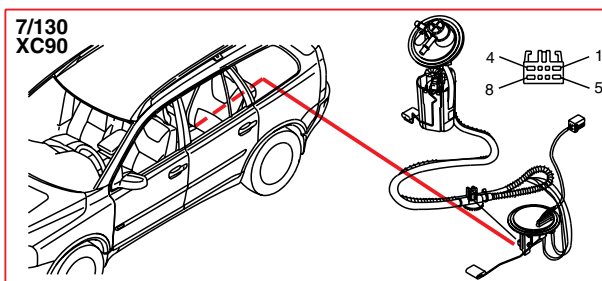
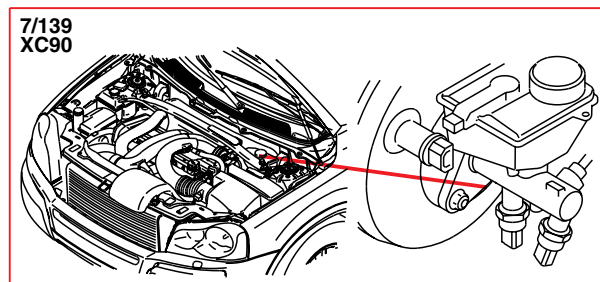
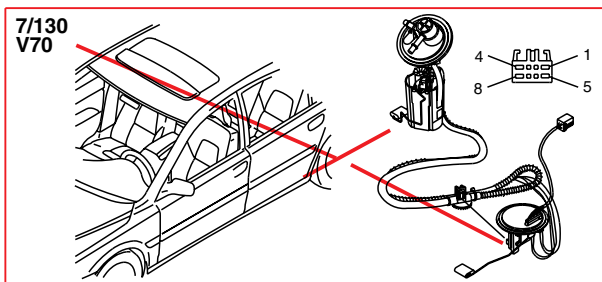
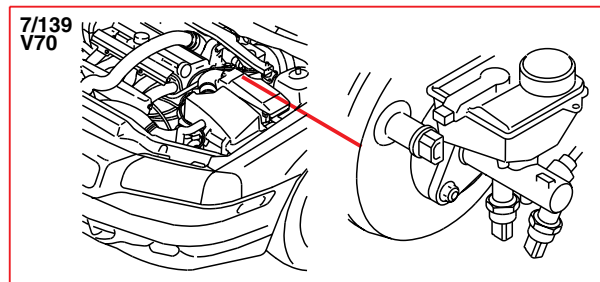
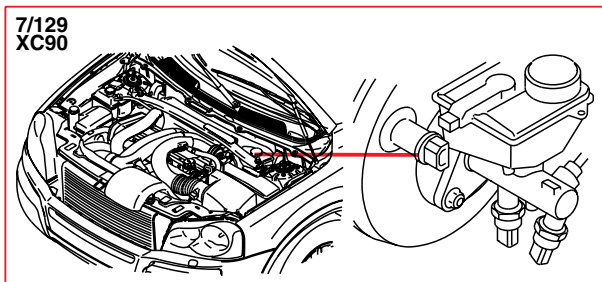


Component illustrations 7/110 - 7/129

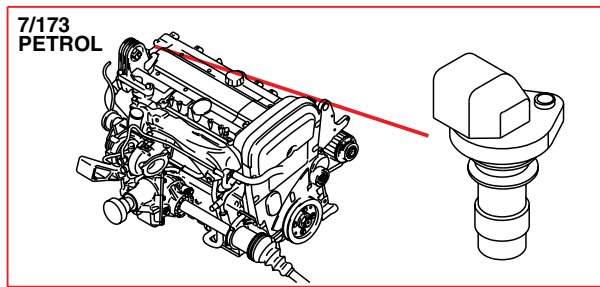
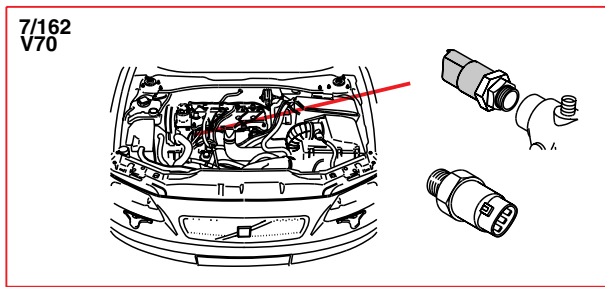
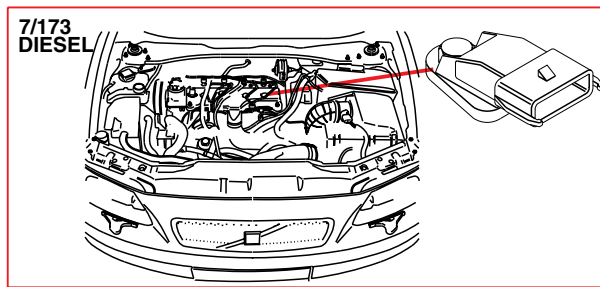
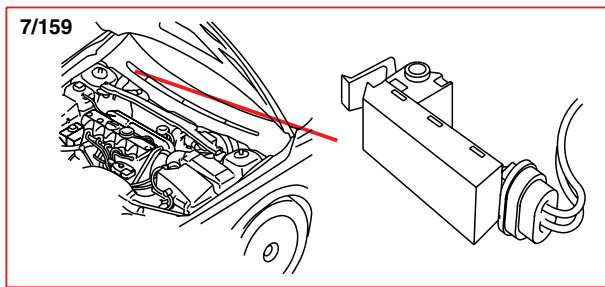
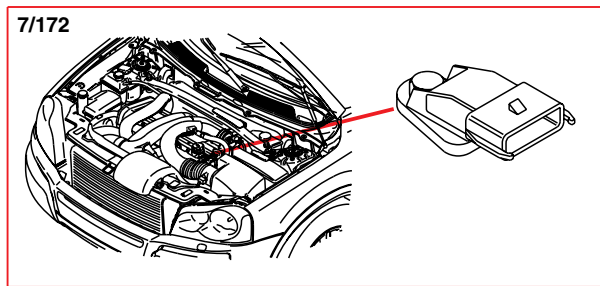
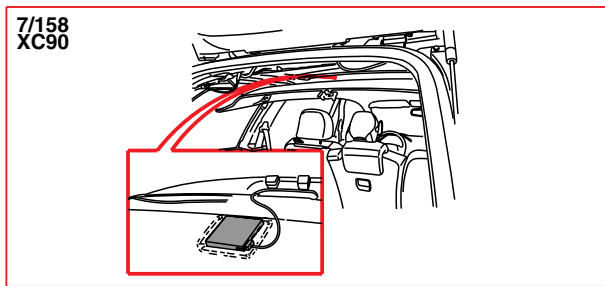
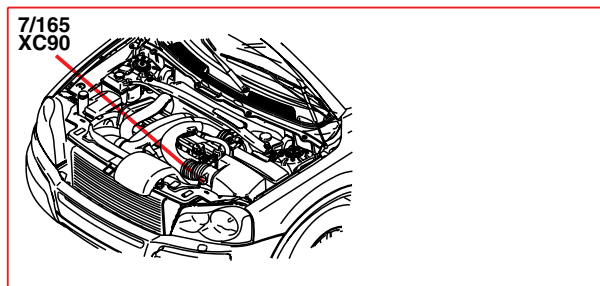
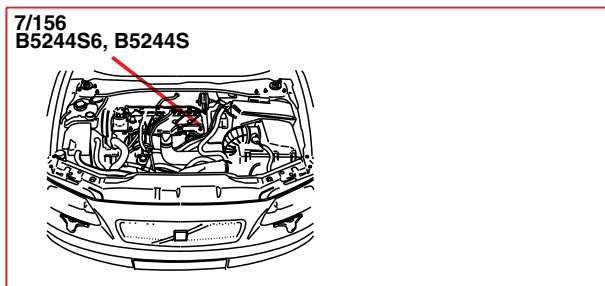
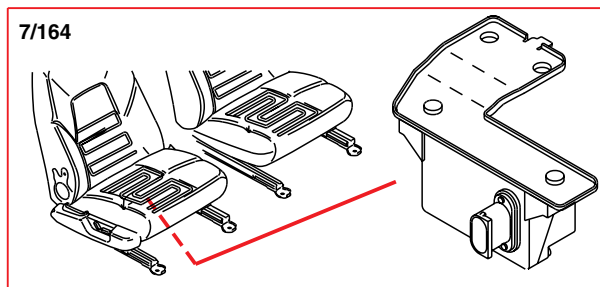
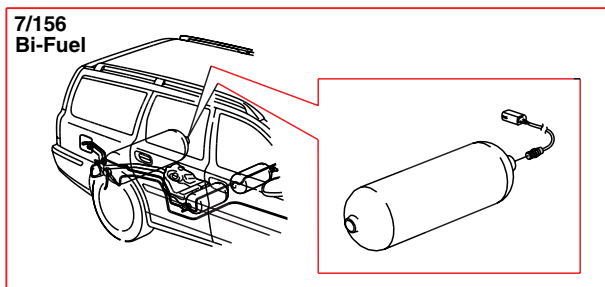
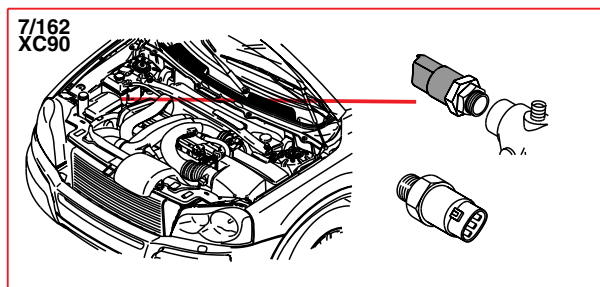
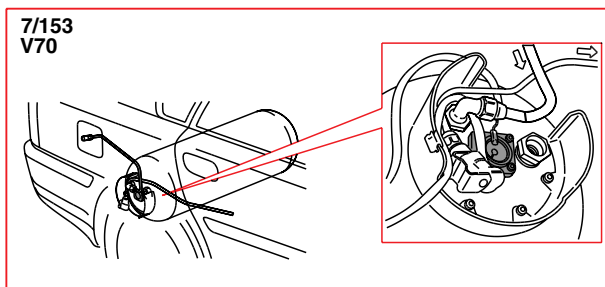


Component illustrations

7/129 - 7/149

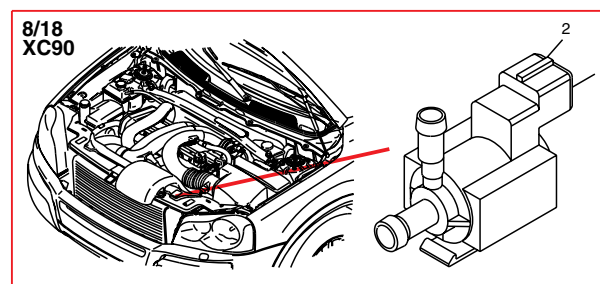
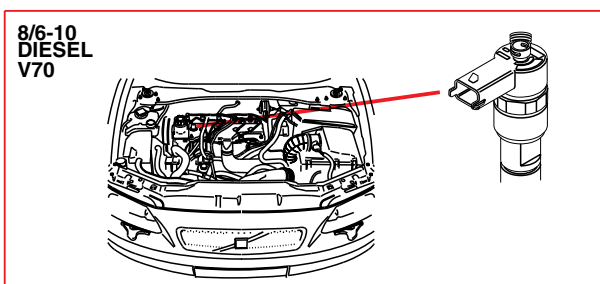
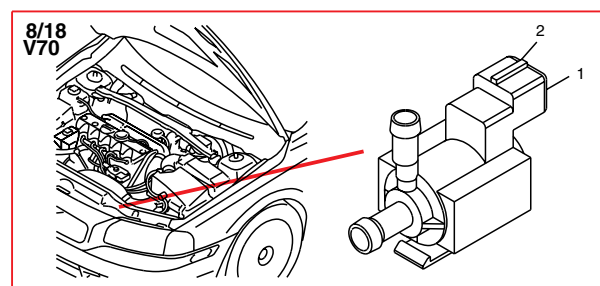
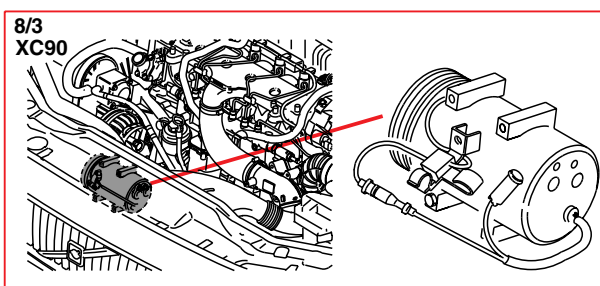
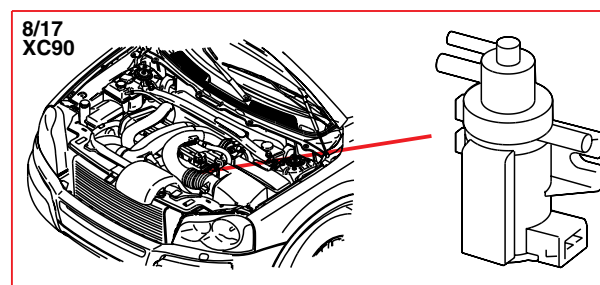
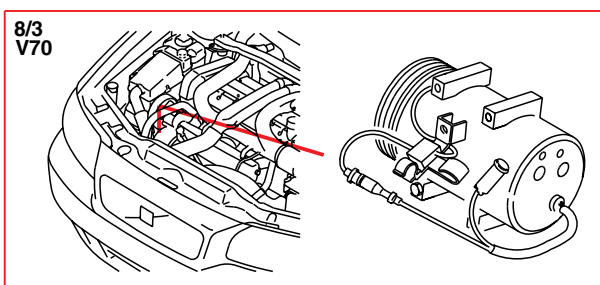
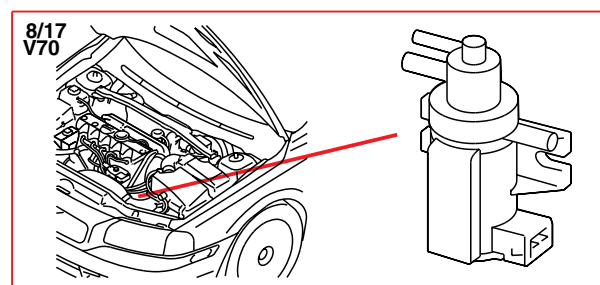
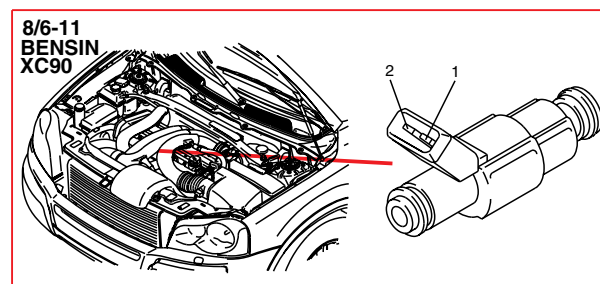
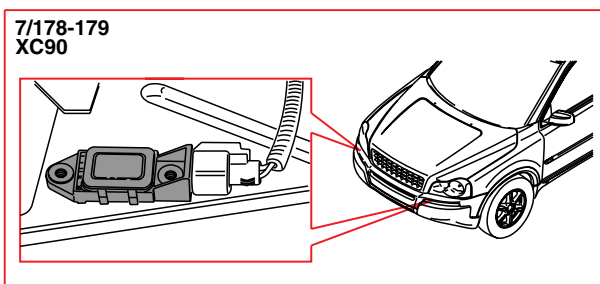
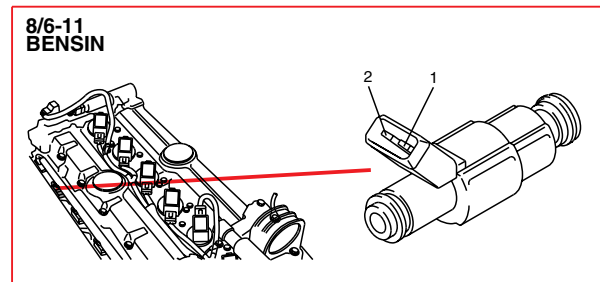
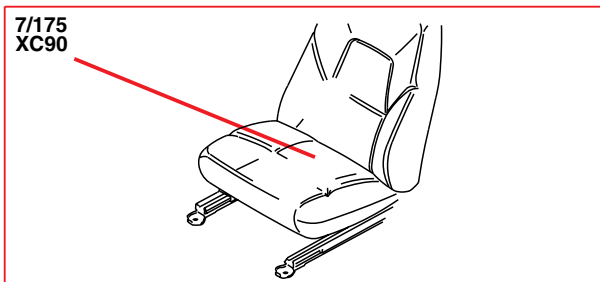


Component illustrations 7/153 - 7/173



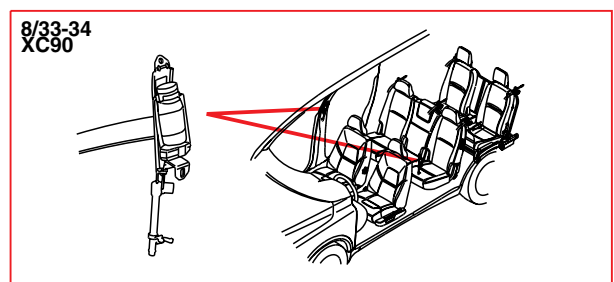
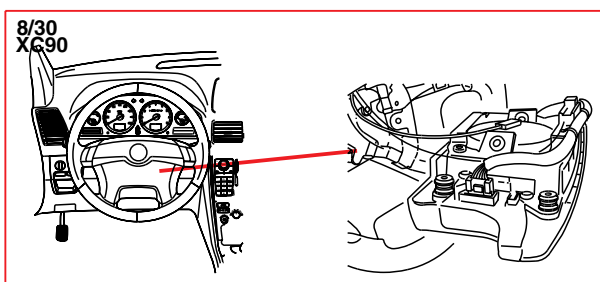
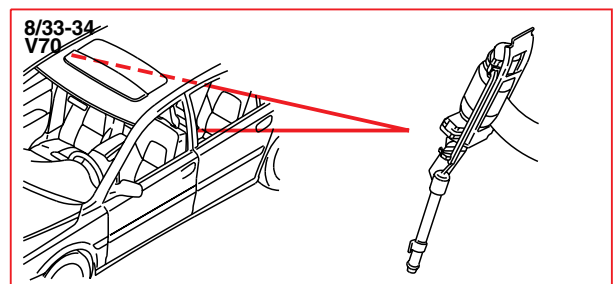
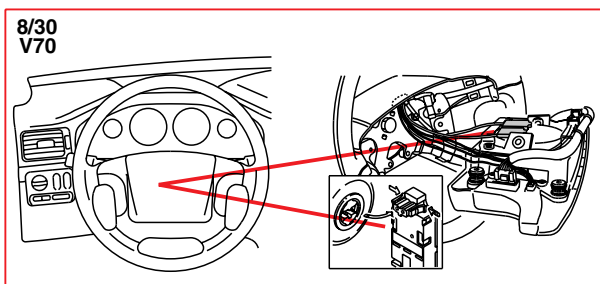
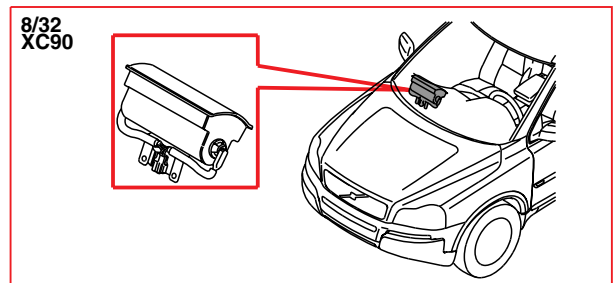
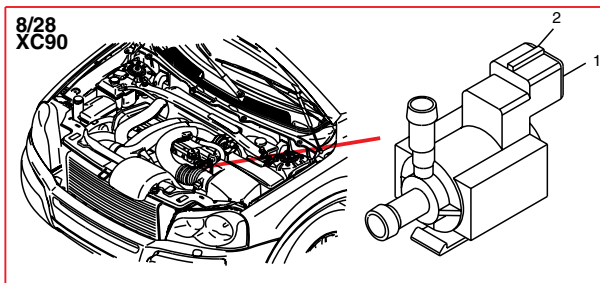
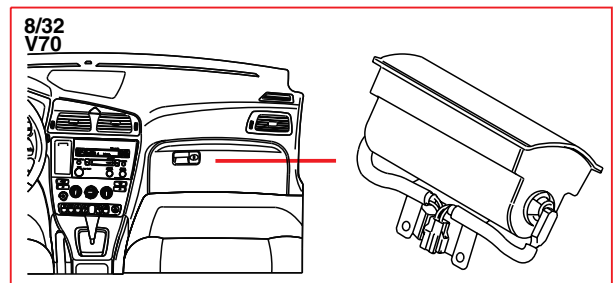
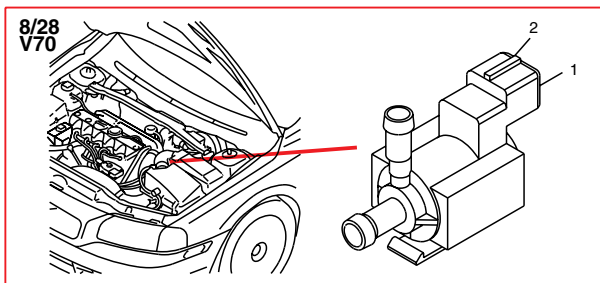
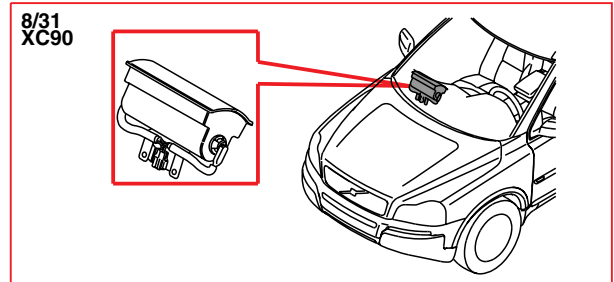
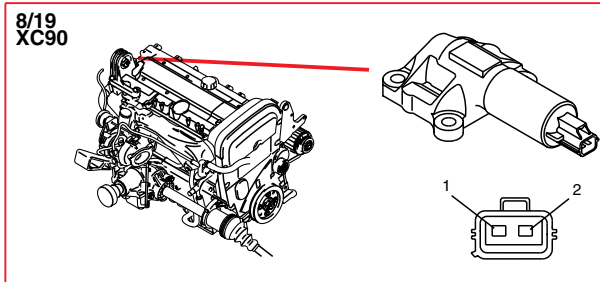
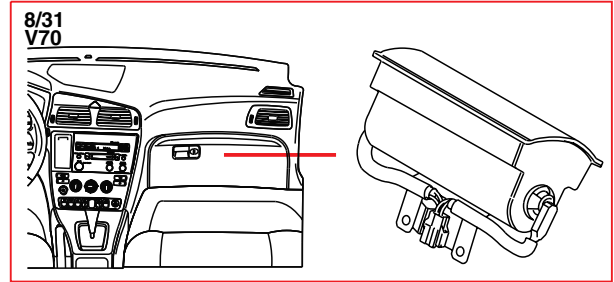
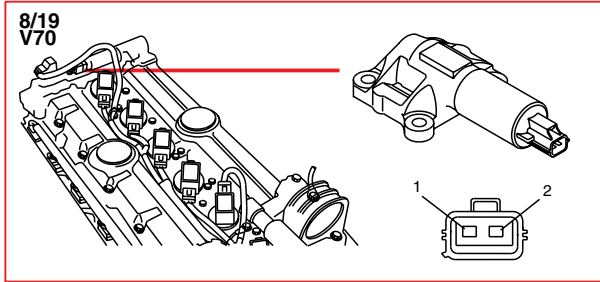
Component illustrations

7/175 - 8/18



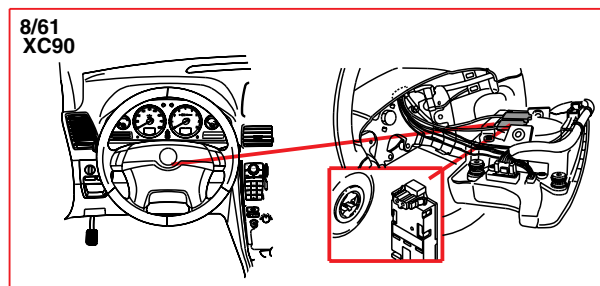
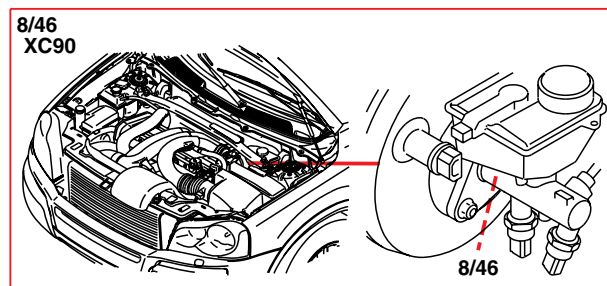
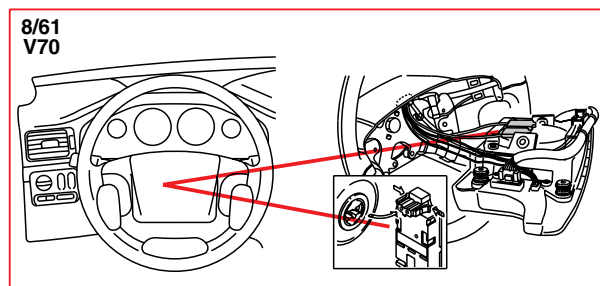
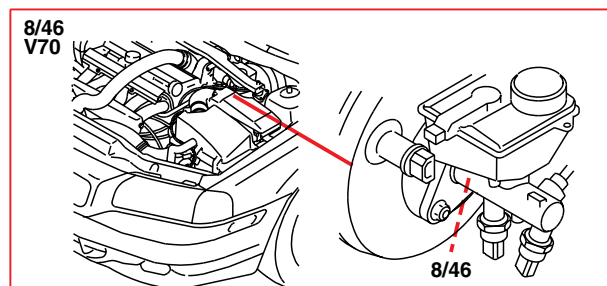
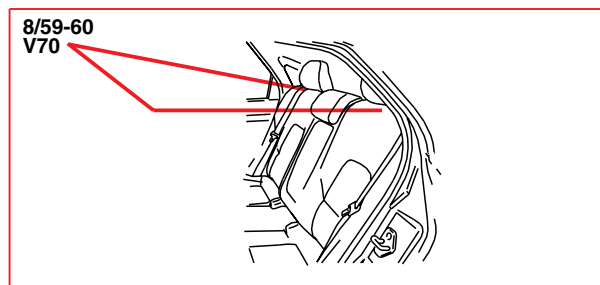
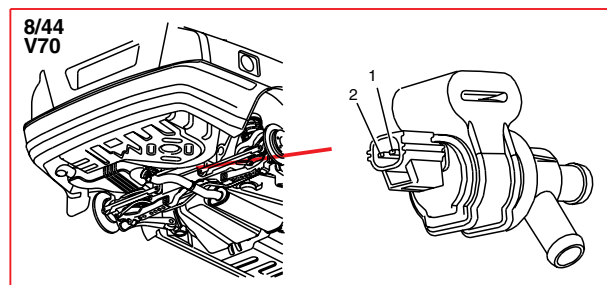
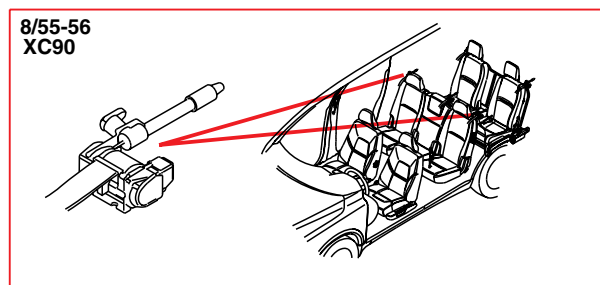
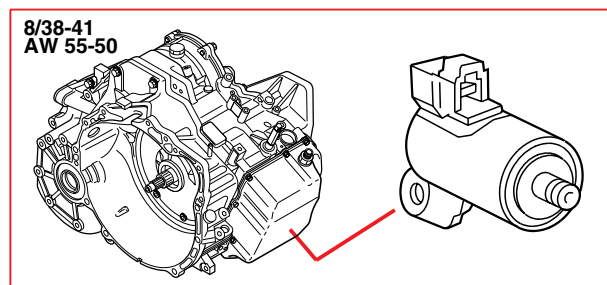
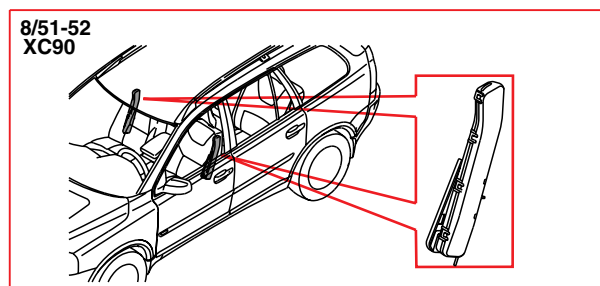
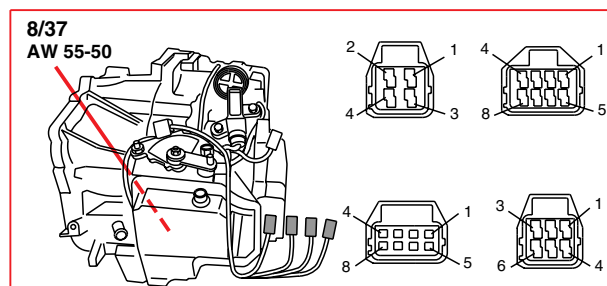
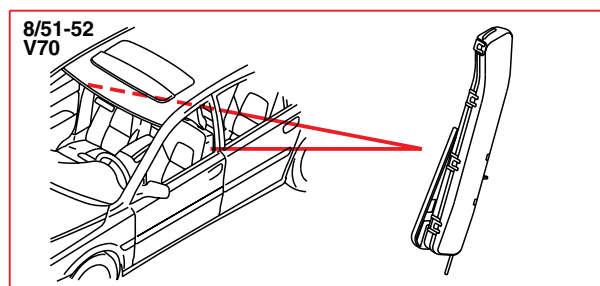
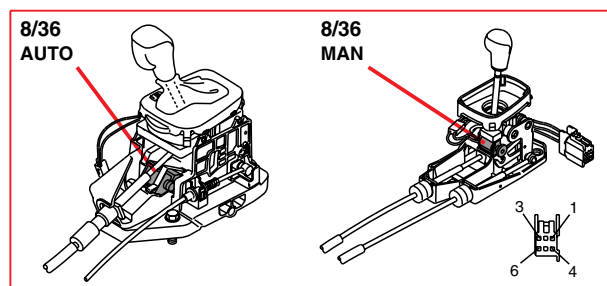
Component illustrations

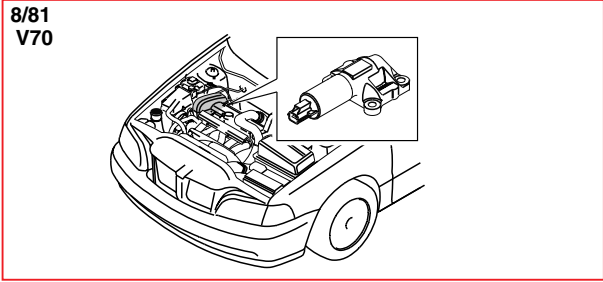
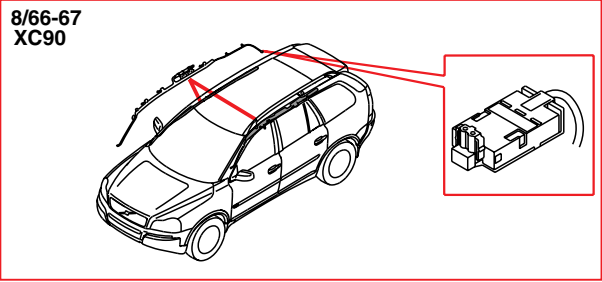
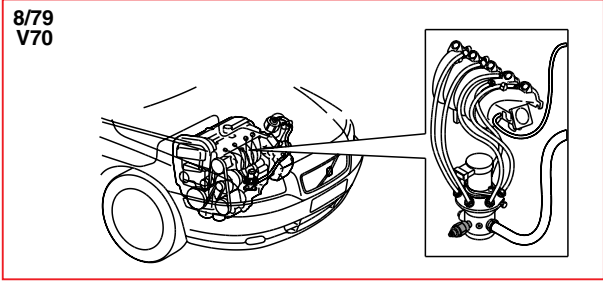
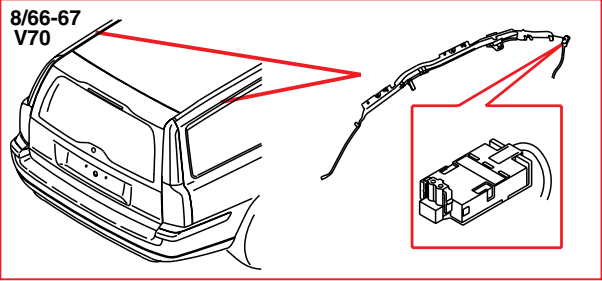
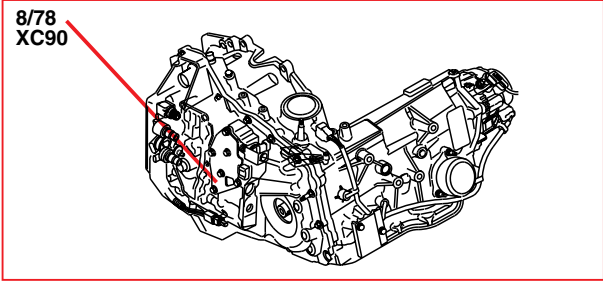
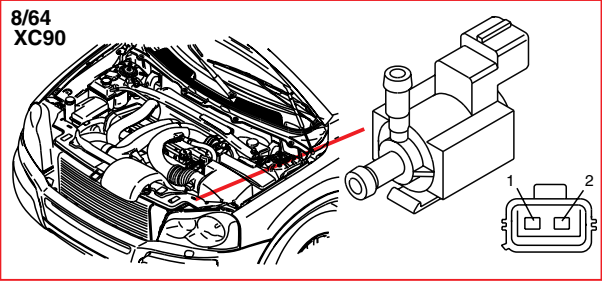
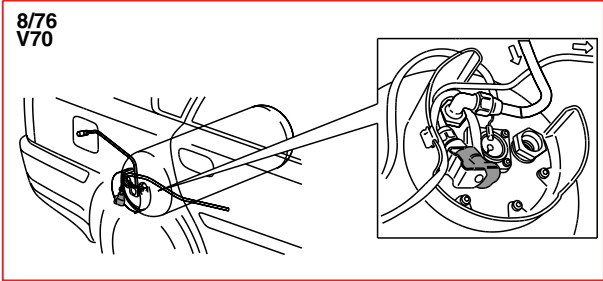
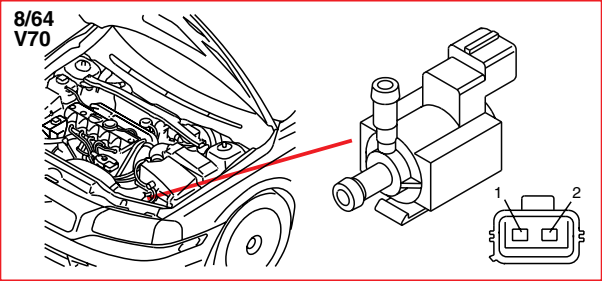
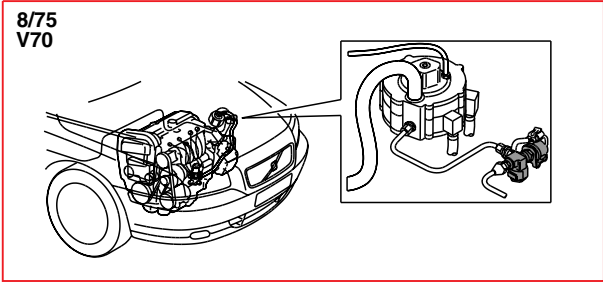
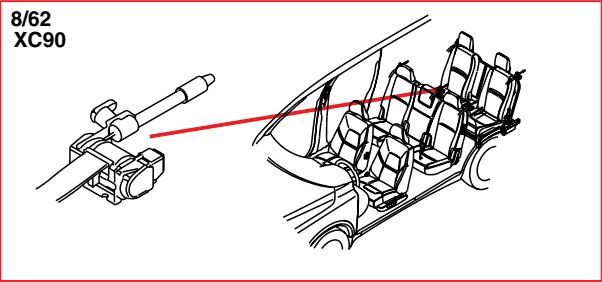
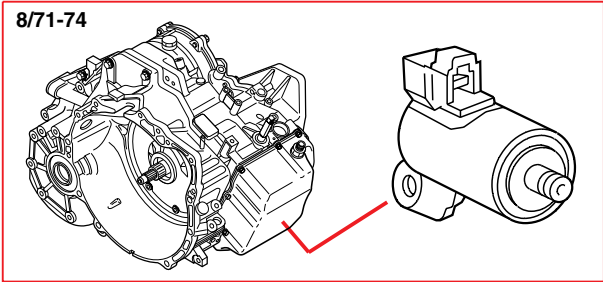
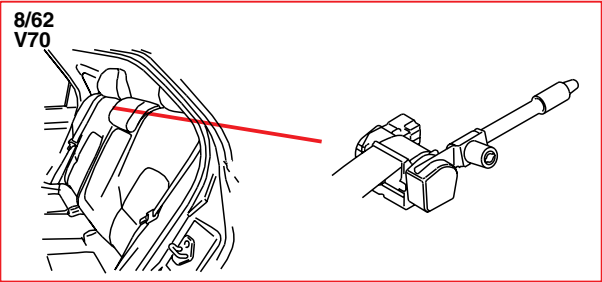
8/19 - 8/34



Component illustrations

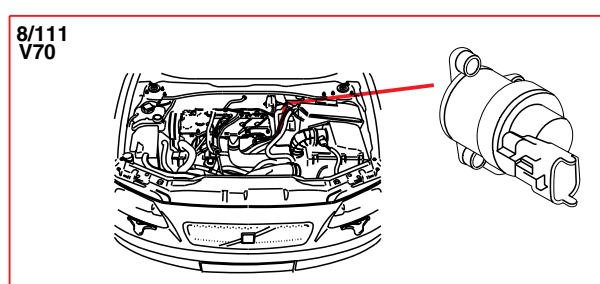
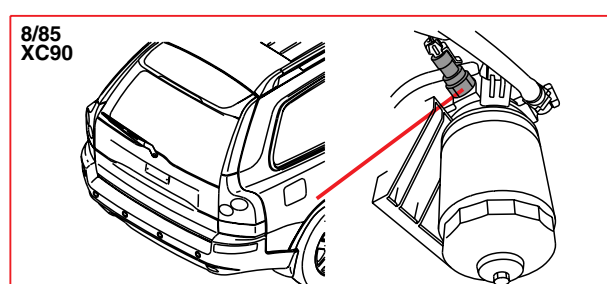
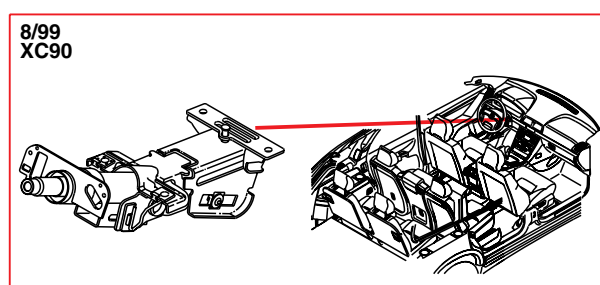
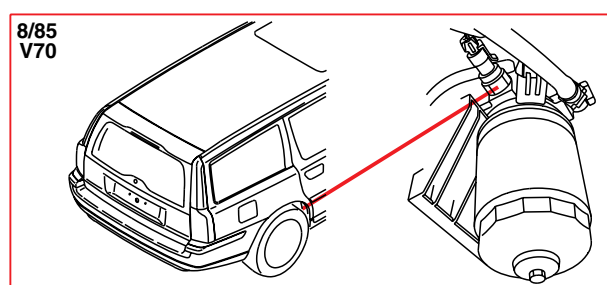
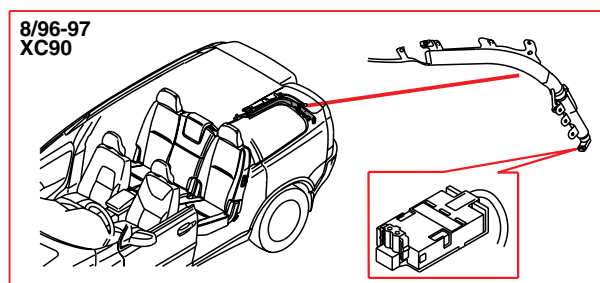
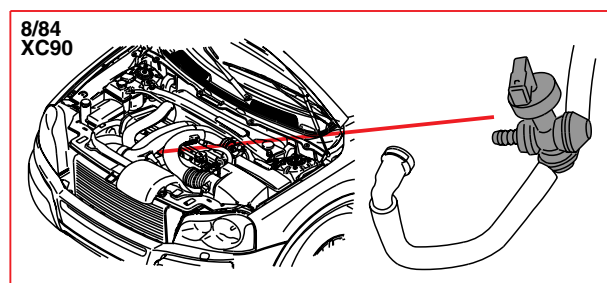
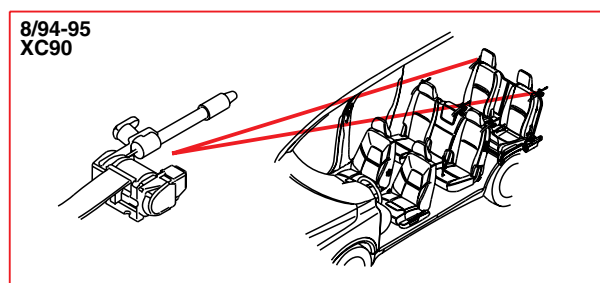
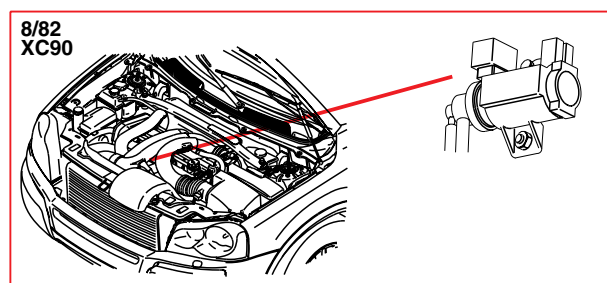
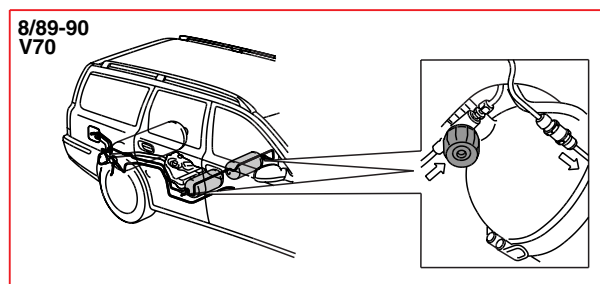
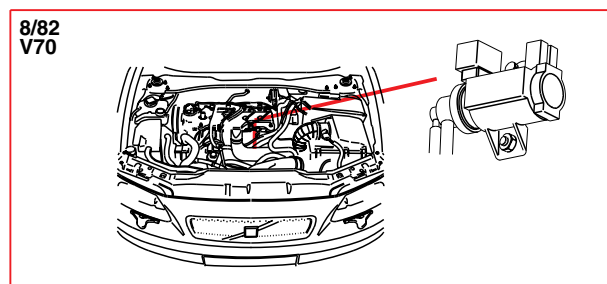
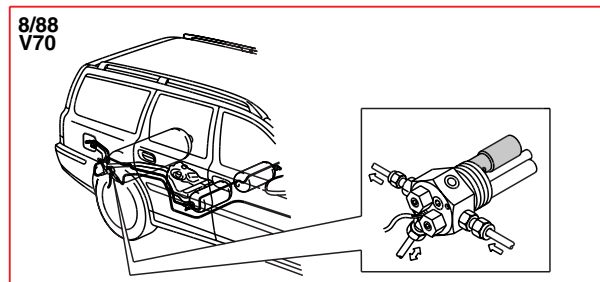
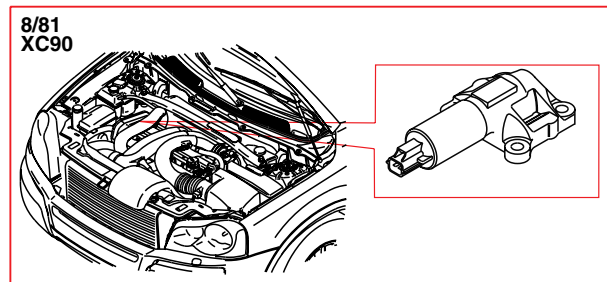
8/36 - 8/61

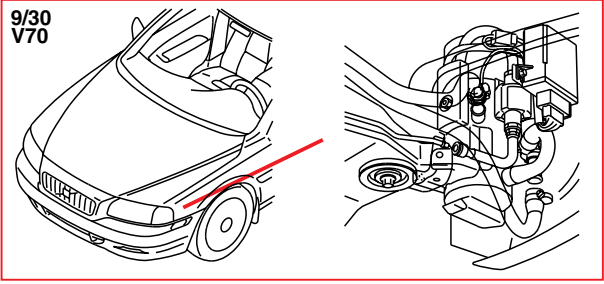
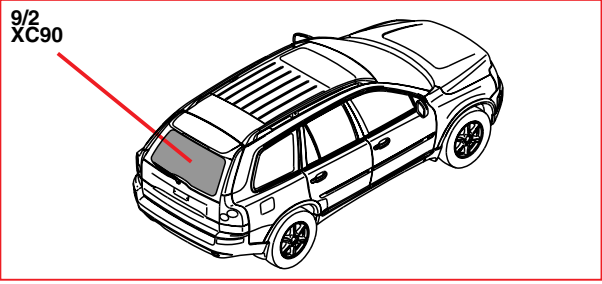
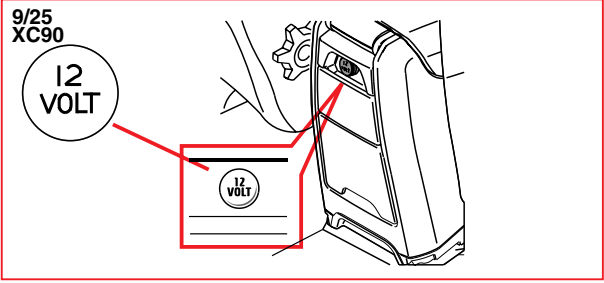
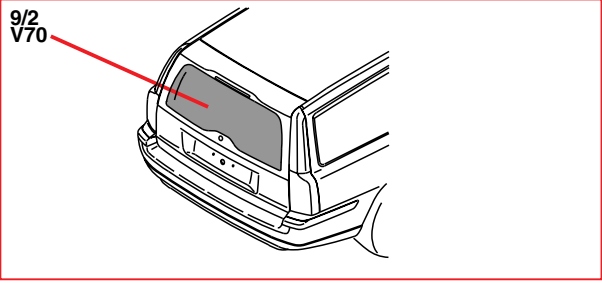
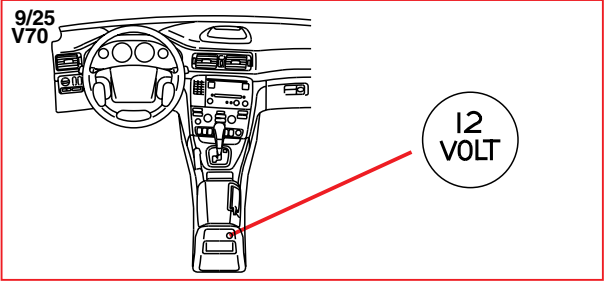
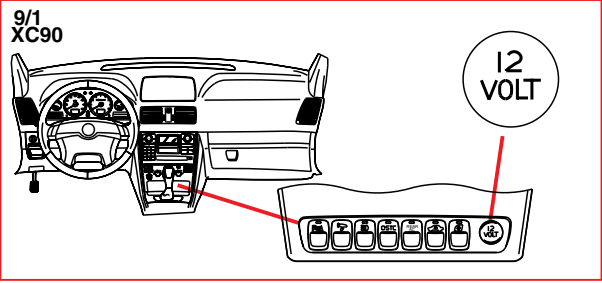
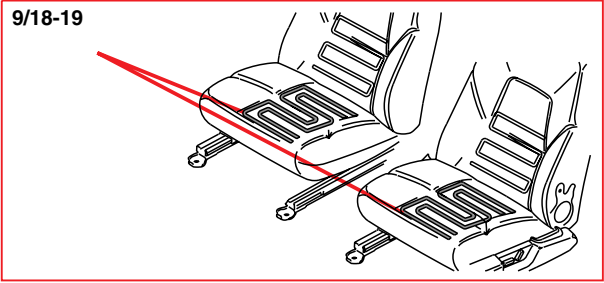
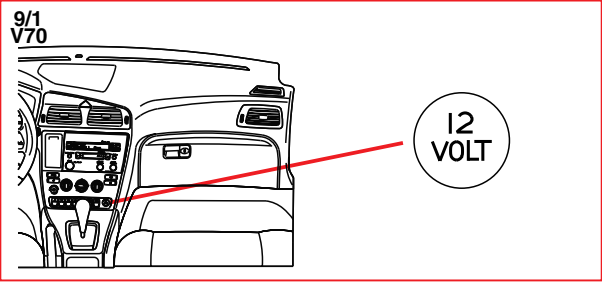
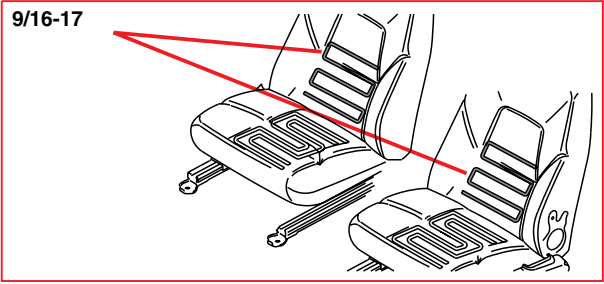
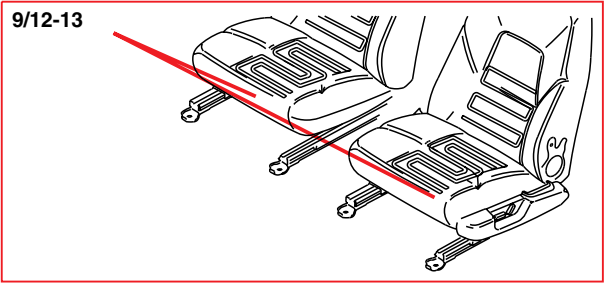
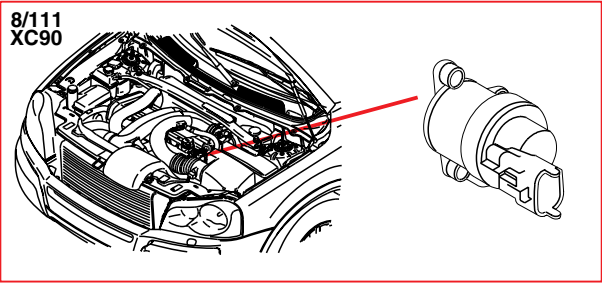




Component illustrations

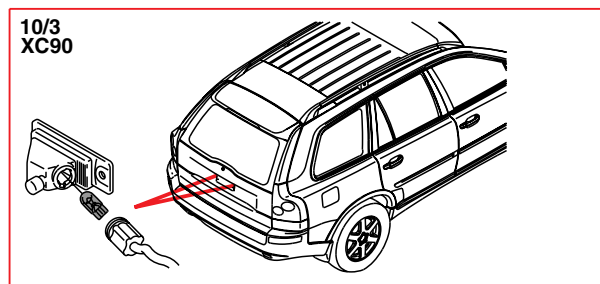
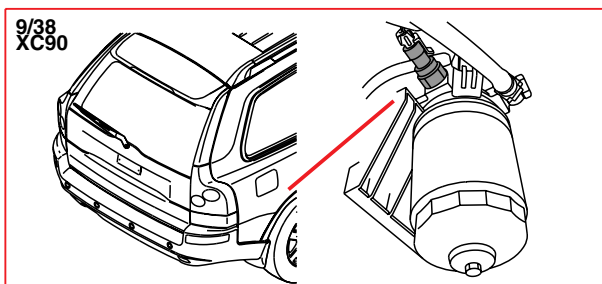
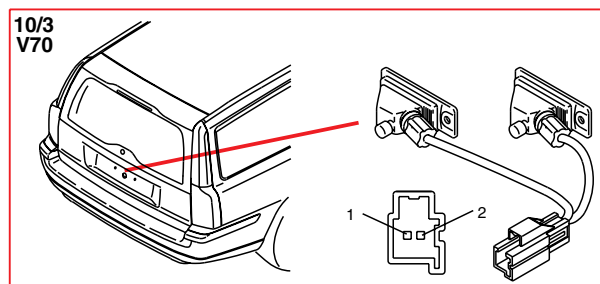
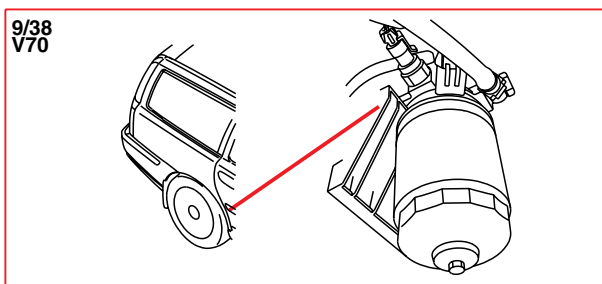
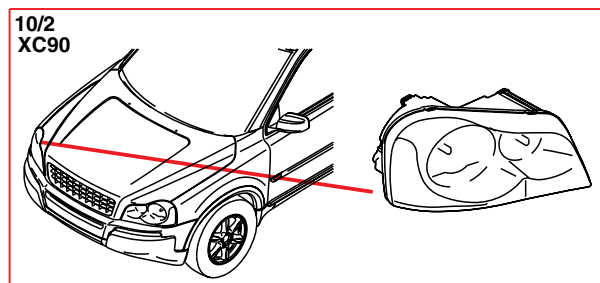
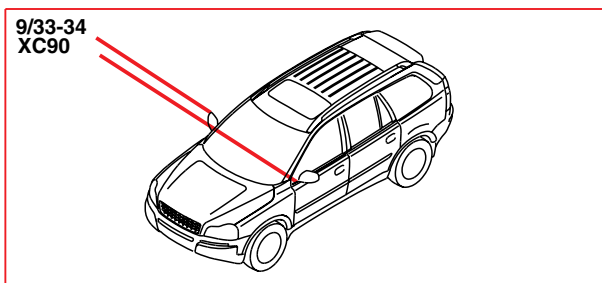
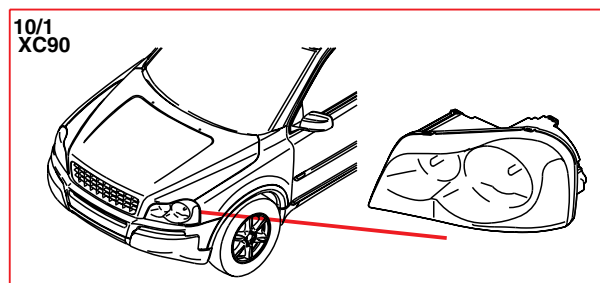
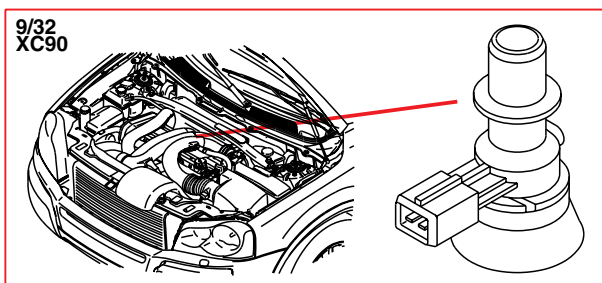
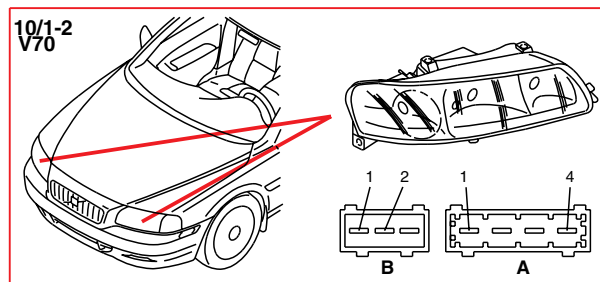
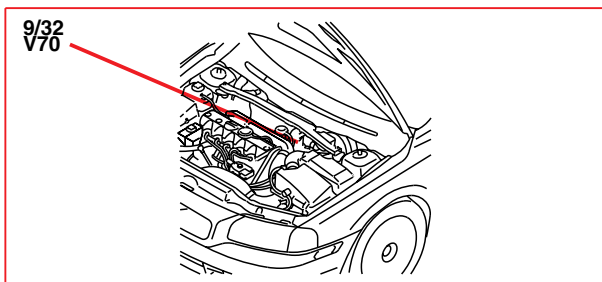
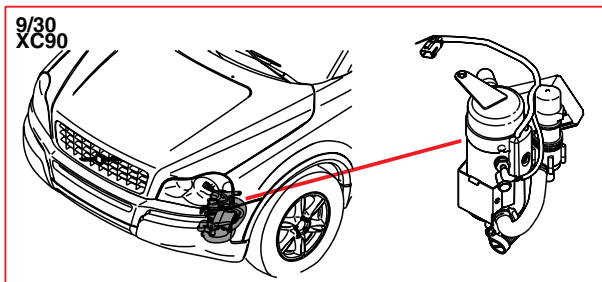
8/81 - 8/111





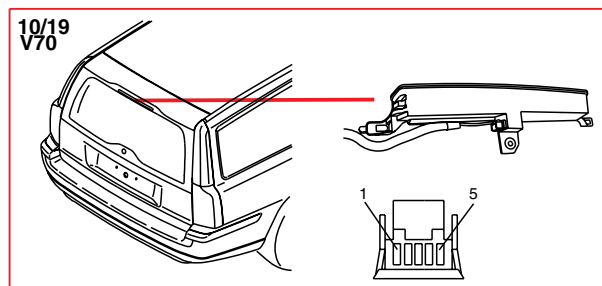
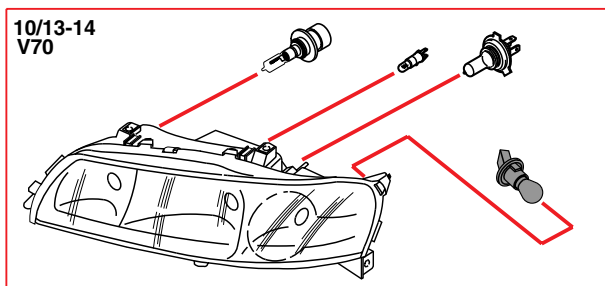
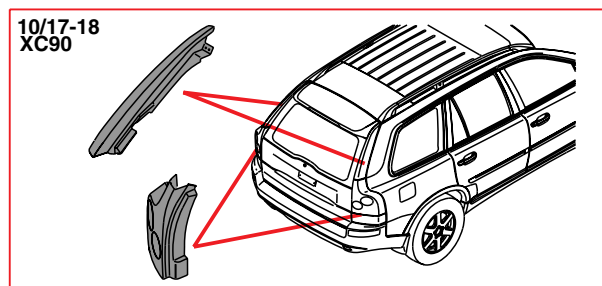
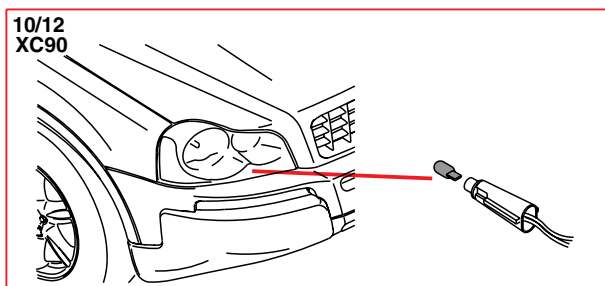
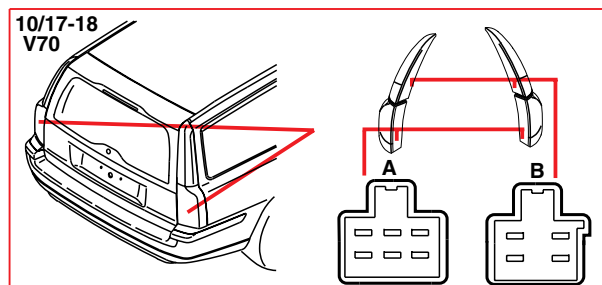
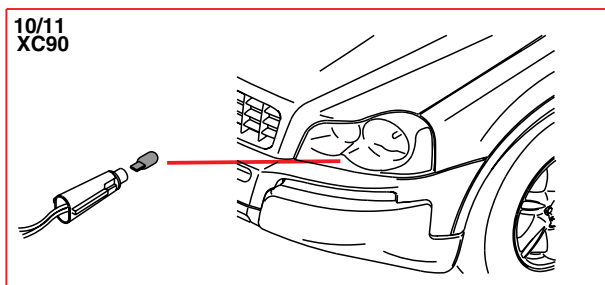
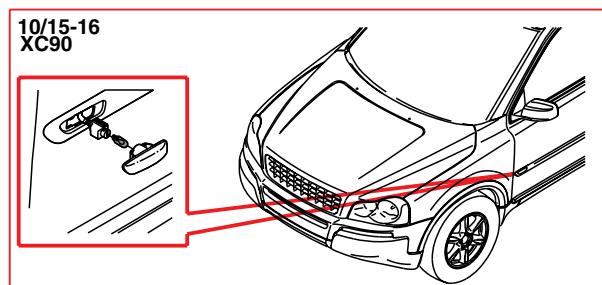
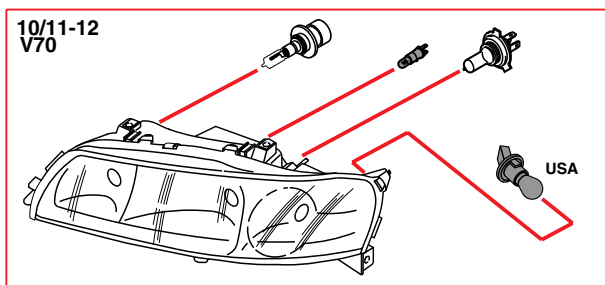
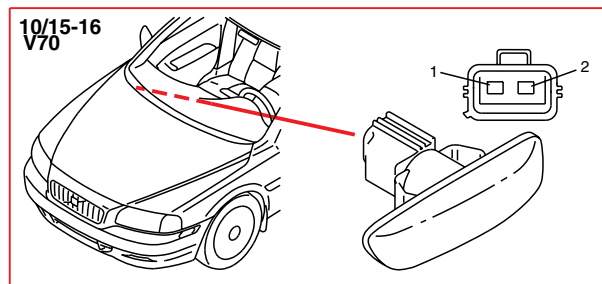
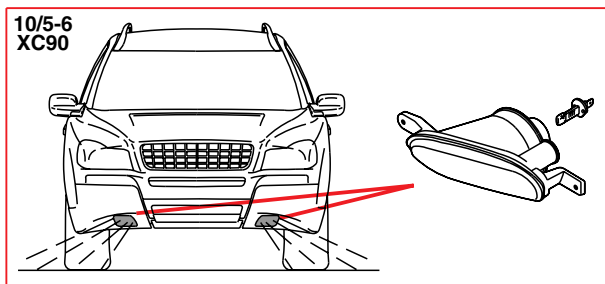
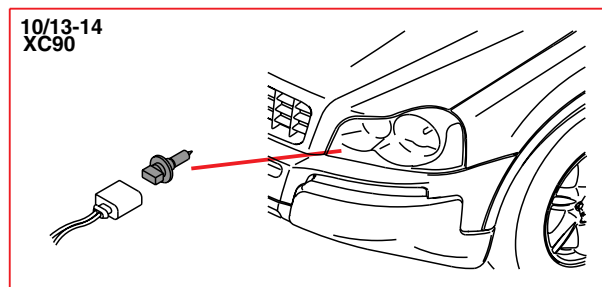
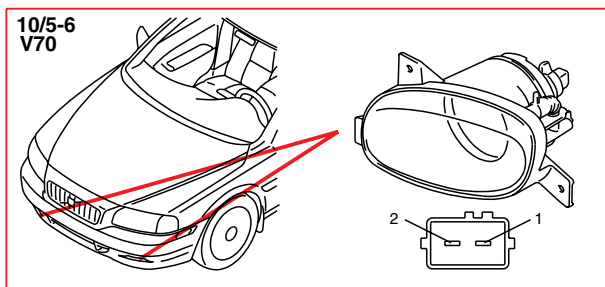
Component illustrations

9/30 - 10/3



Component illustrations

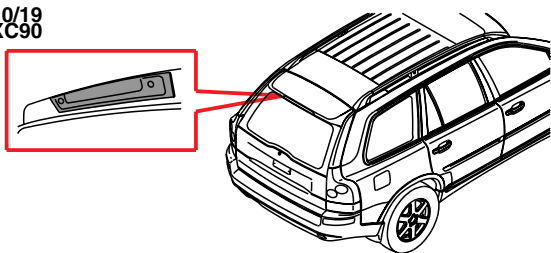
10/5 - 10/19



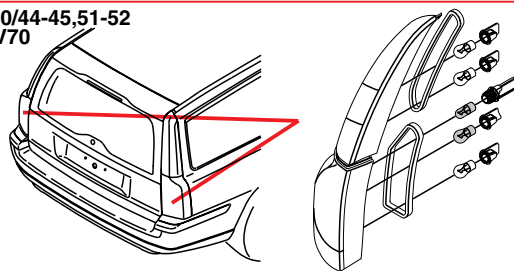
Component illustrations

10/19 - 10/47, 54

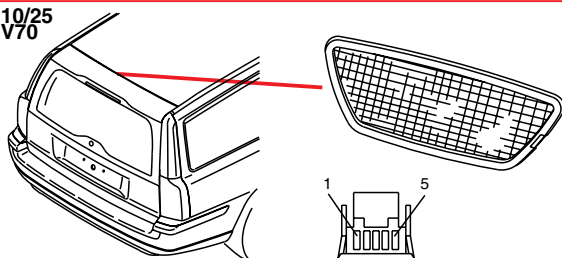
10/19
XC90



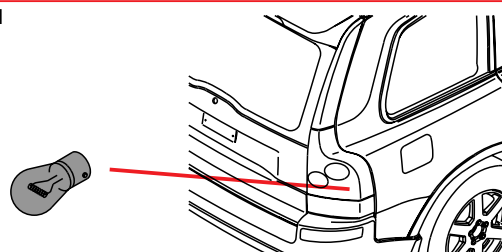
10/44-45,51-52
V70



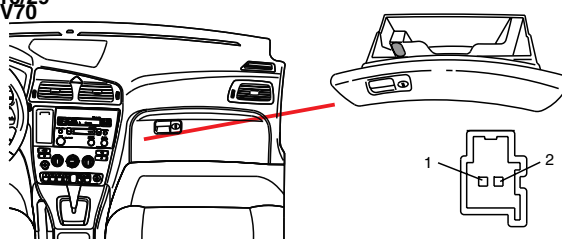
10/25
V70



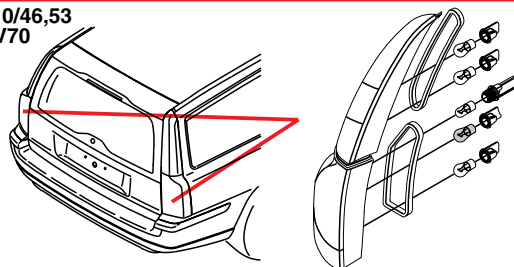
10/44,51
XC90



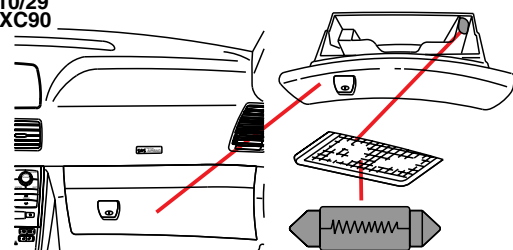
10/29
V70



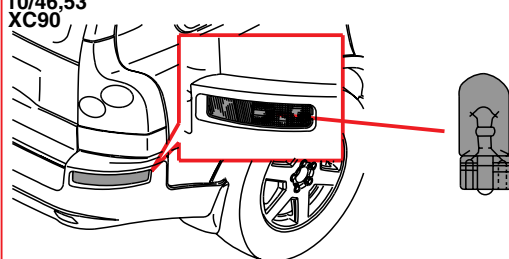
10/46,53
V70



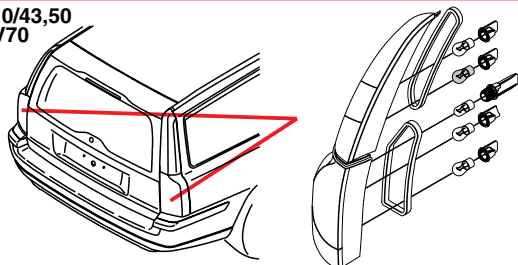
10/29
XC90



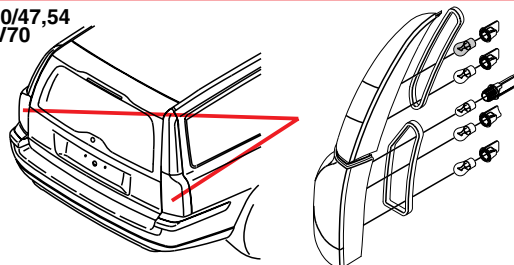
10/46,53
XC90



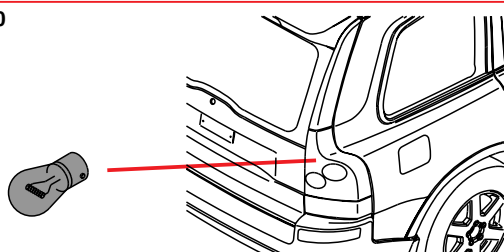
10/43,50
V70



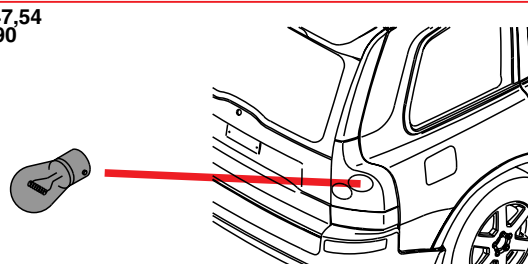
10/47,54
V70



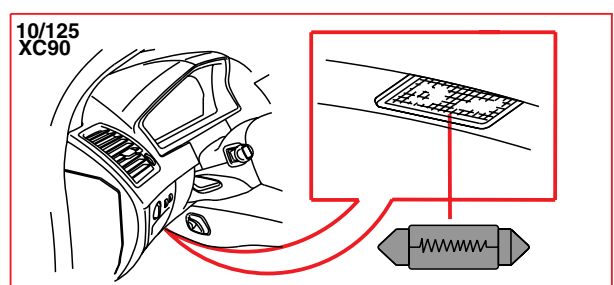
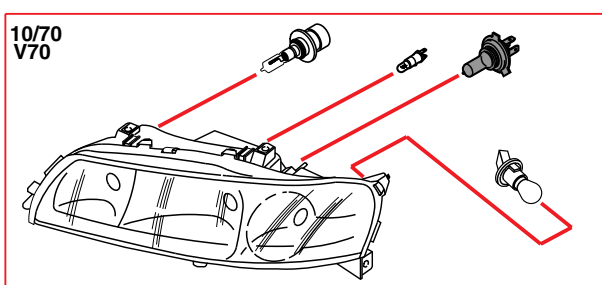
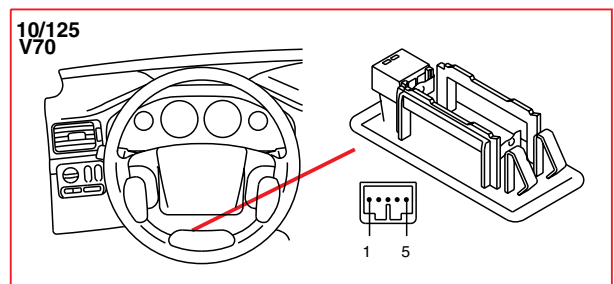
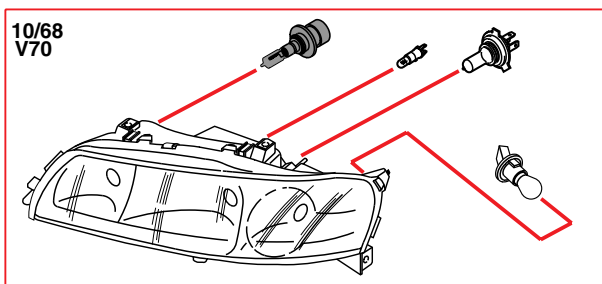
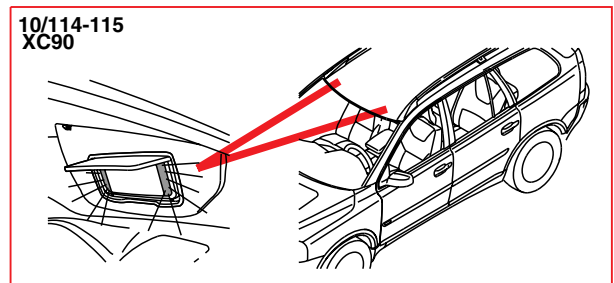
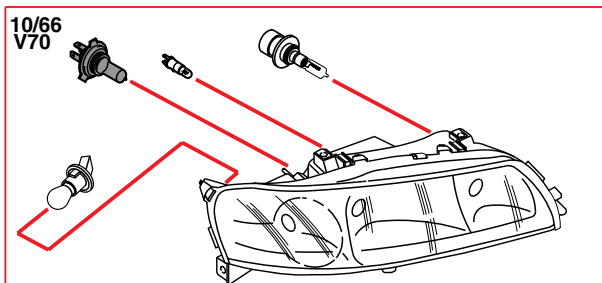
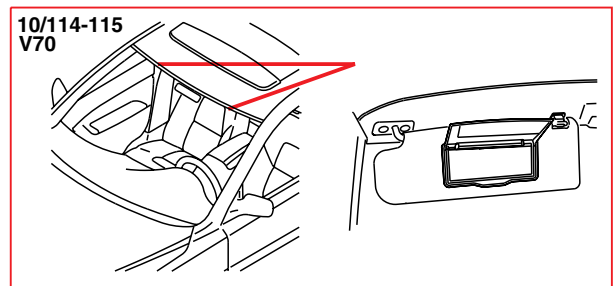
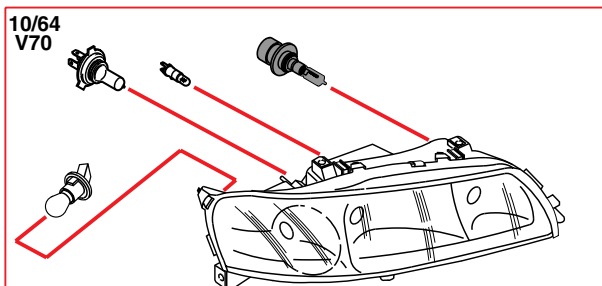
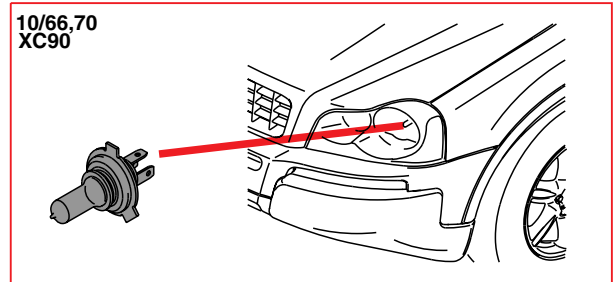
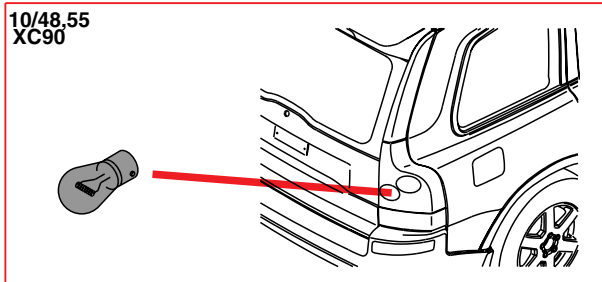
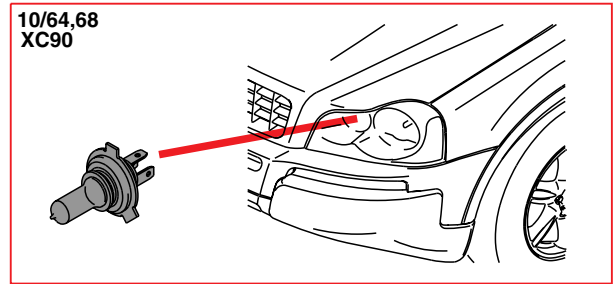
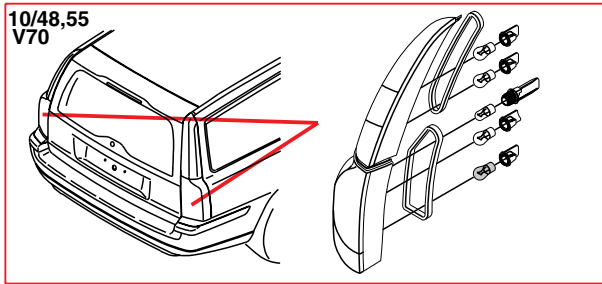
10/43,50
XC90



10/47,54
XC90

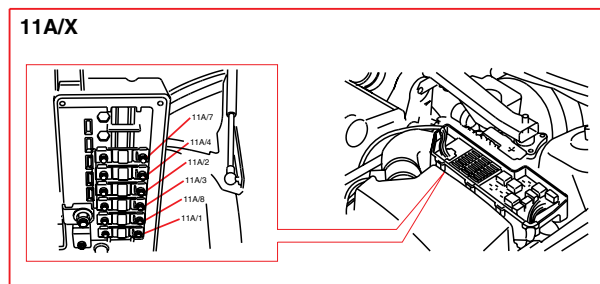
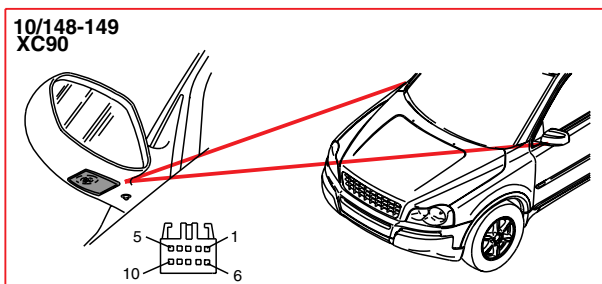
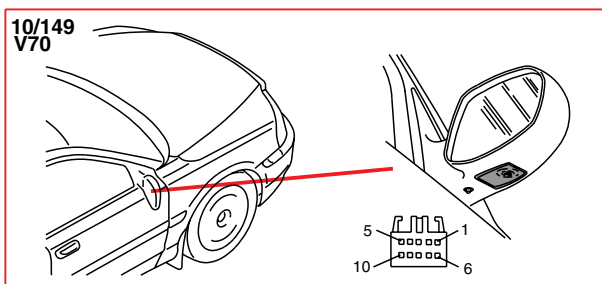
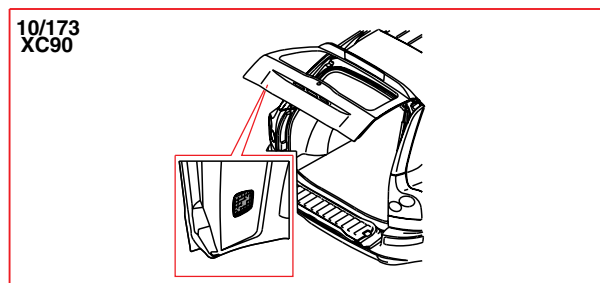
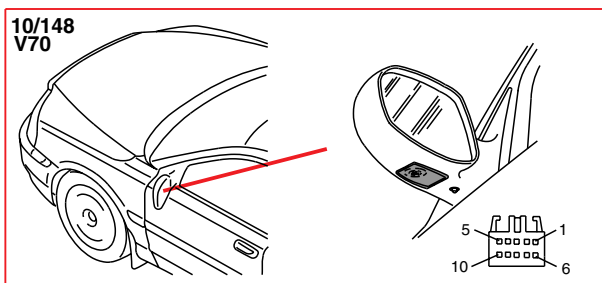
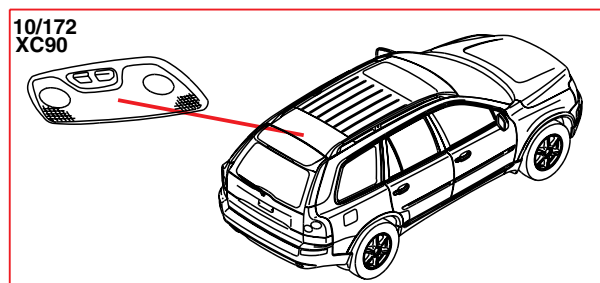
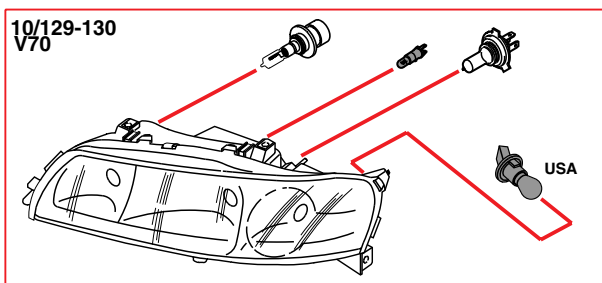
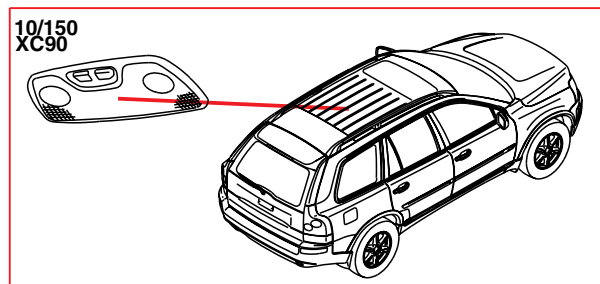
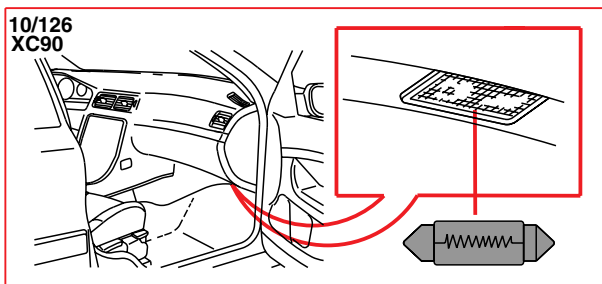
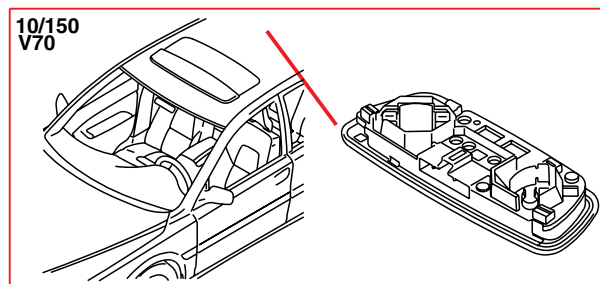
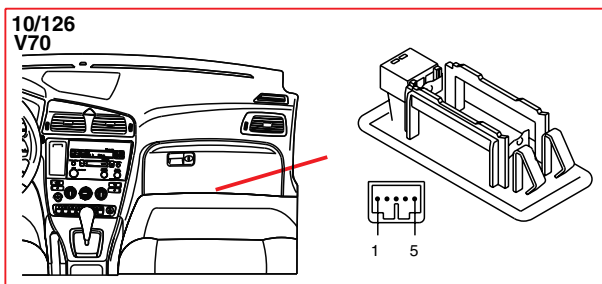


Component illustrations 10/48, 55 - 10/125

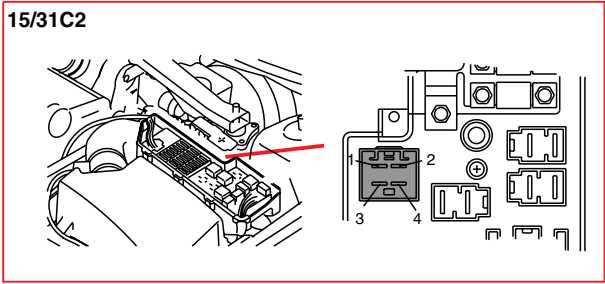
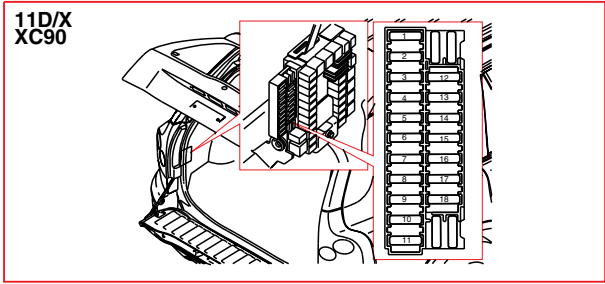
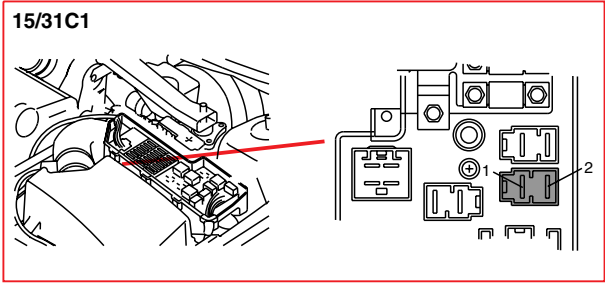
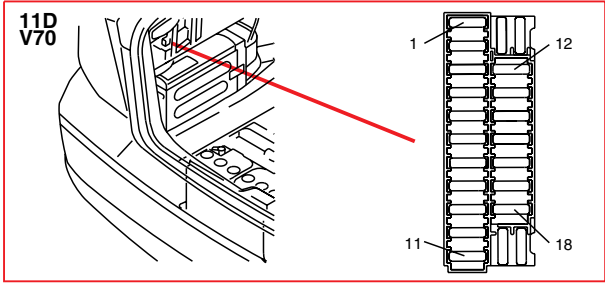
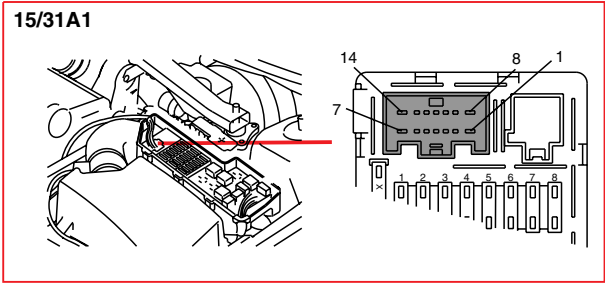
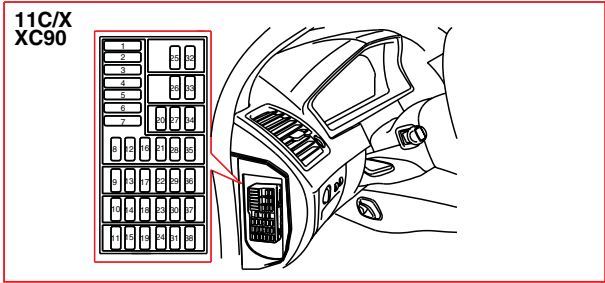
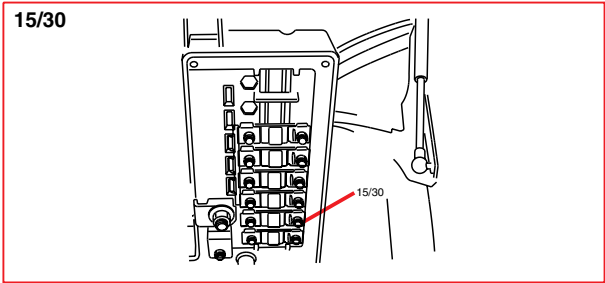
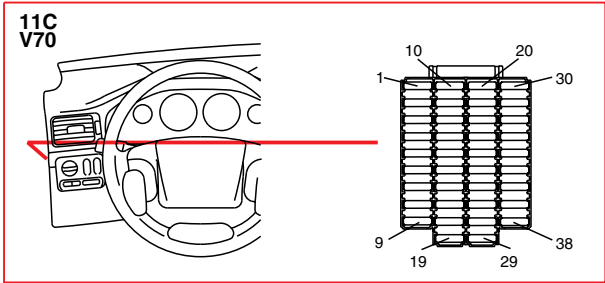
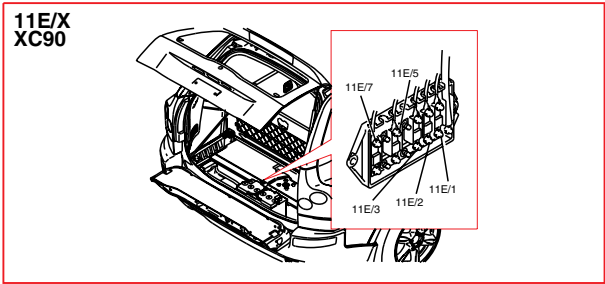
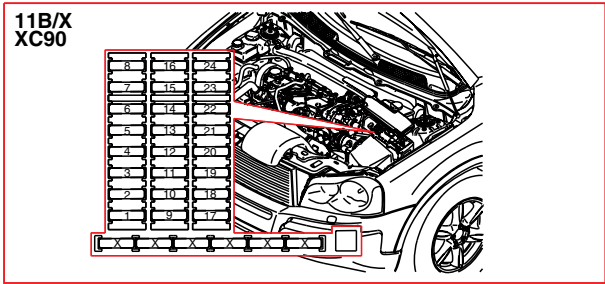
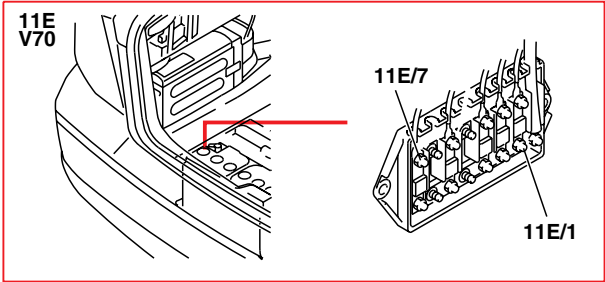
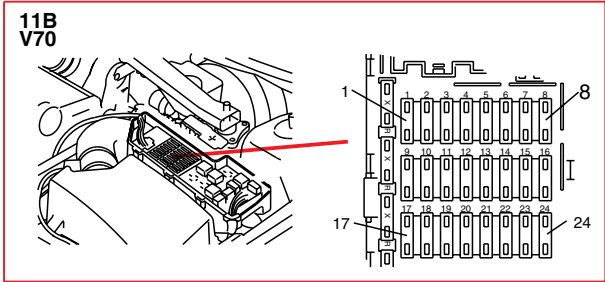


Component illustrations

10/126 - 11A



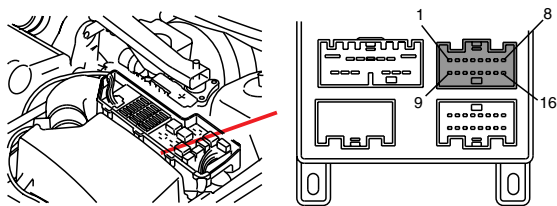
Component illustrations
11B - 15/31C2



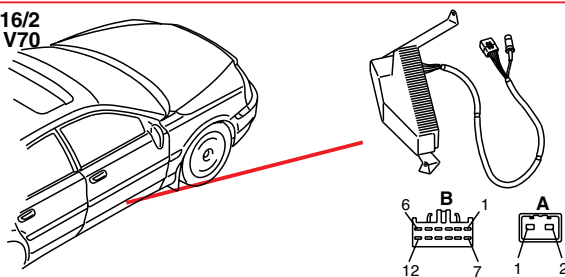
Component illustrations

15/31C4 - 16/11

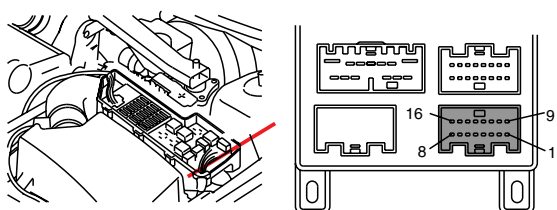
15/31C4



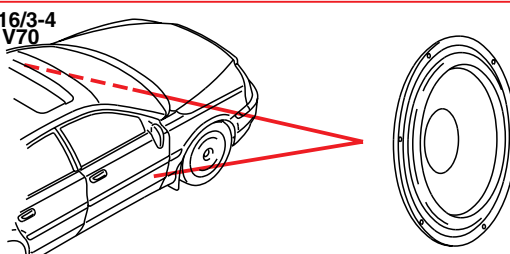
16/2
V70



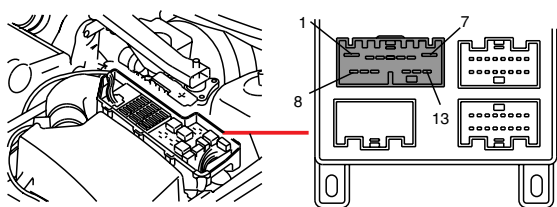
15/31C5



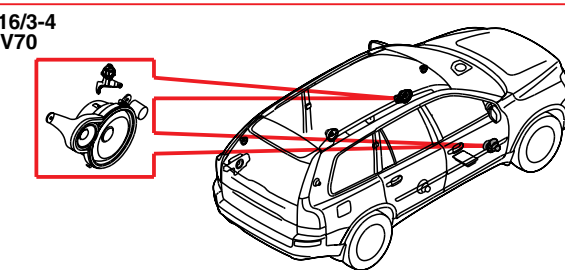
16/3-4
V70



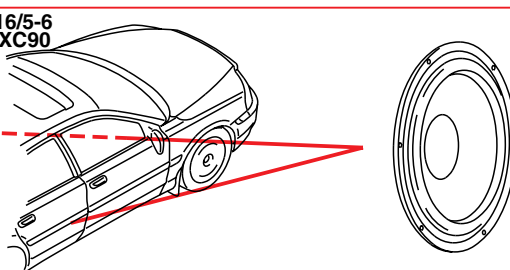
15/31C6



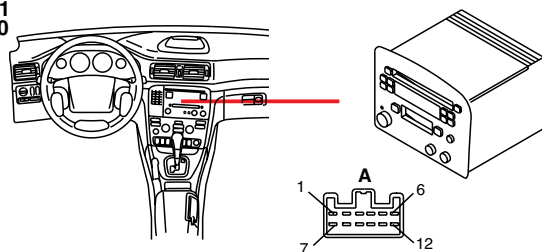
16/3-4
V70



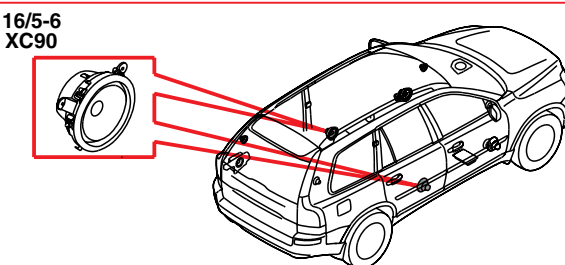
16/5-6
XC90



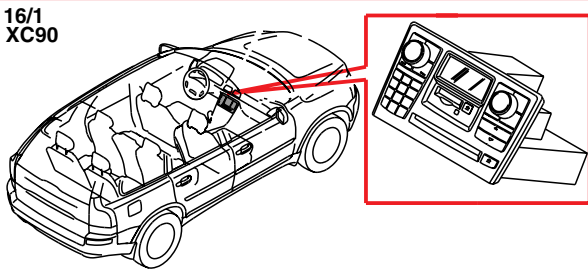
16/1
V70



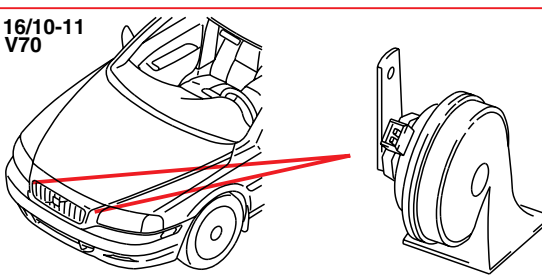
16/5-6
XC90

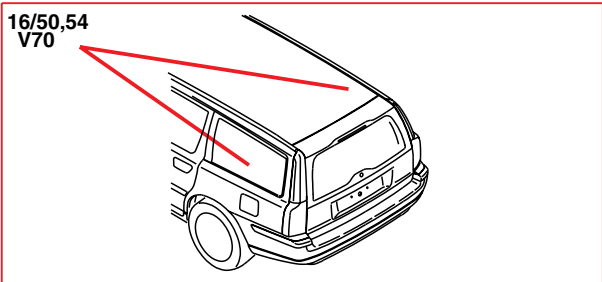
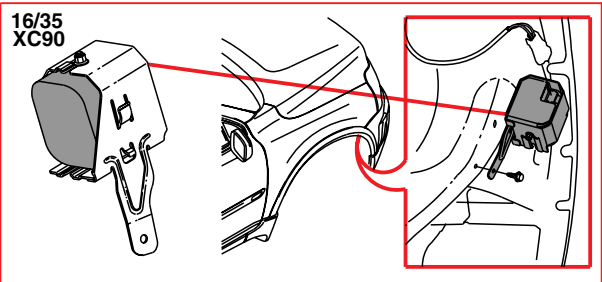
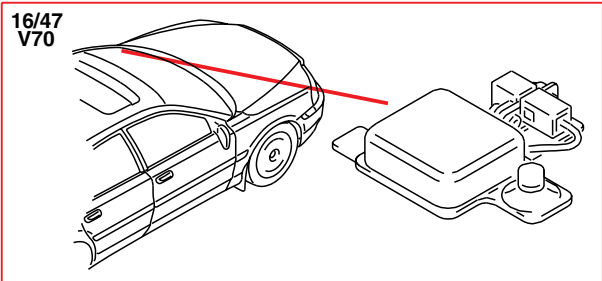
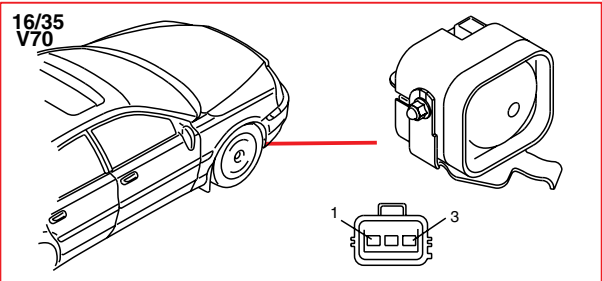
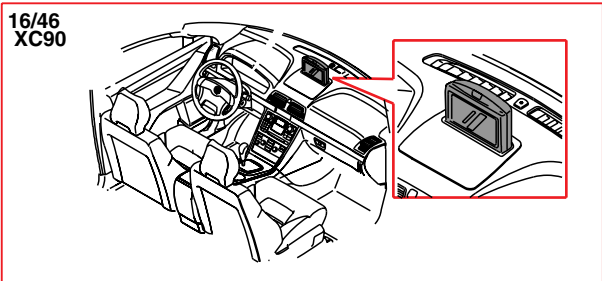
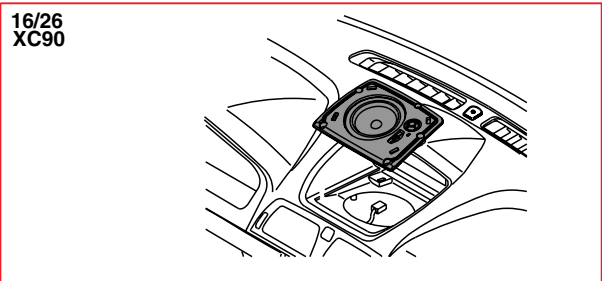
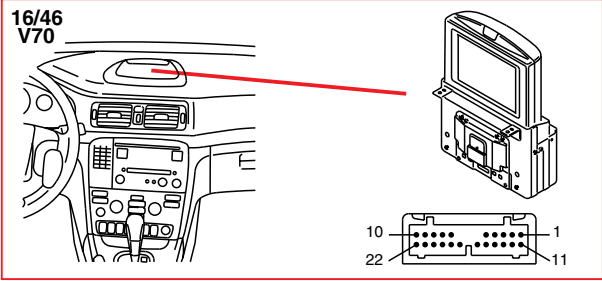
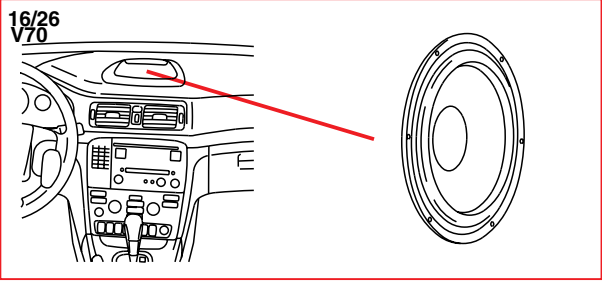
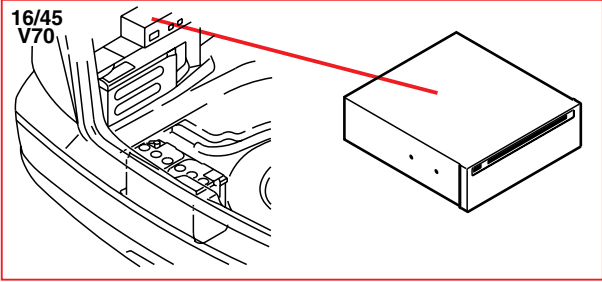
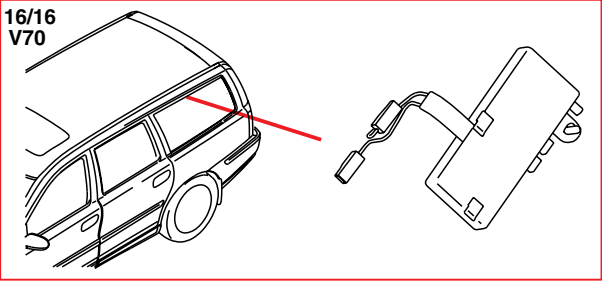
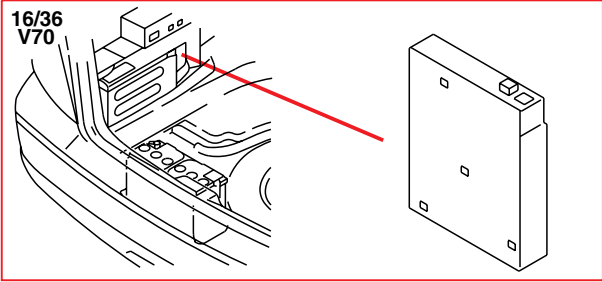
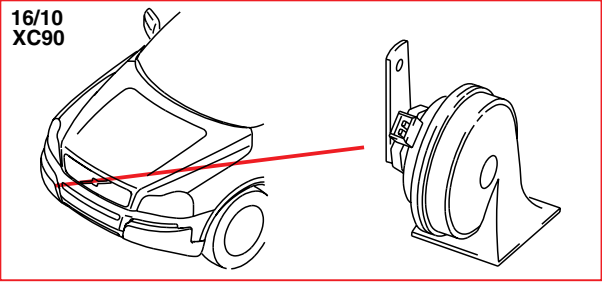


16/1
XC90



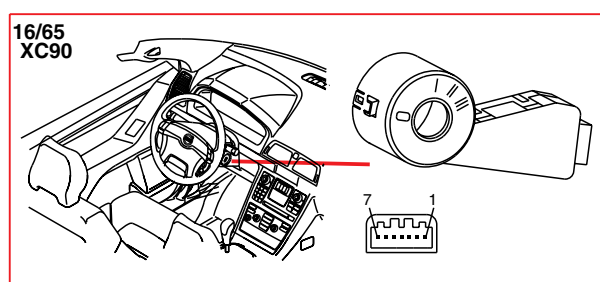
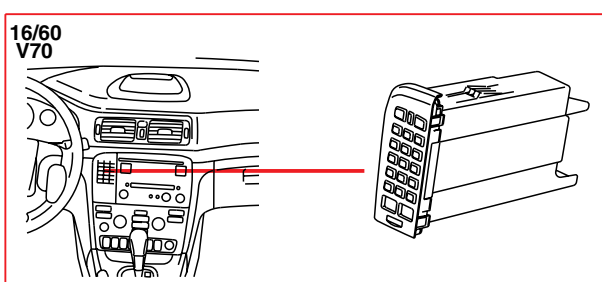
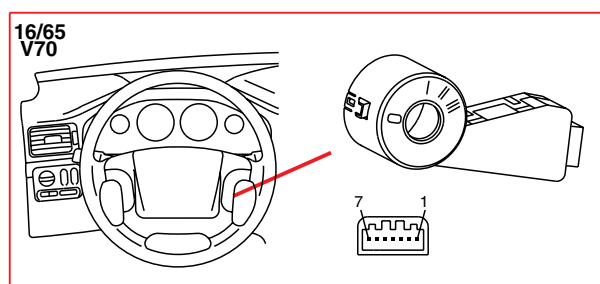
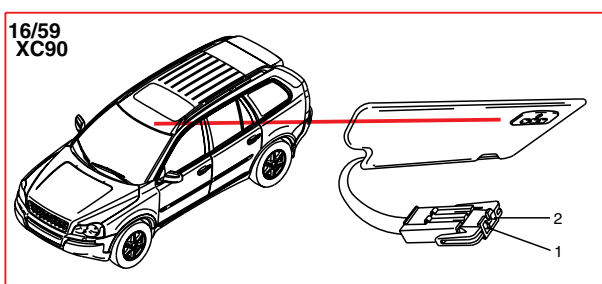
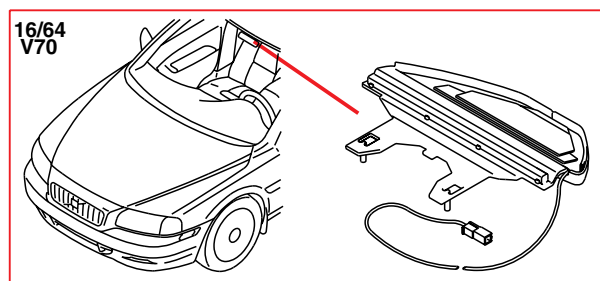
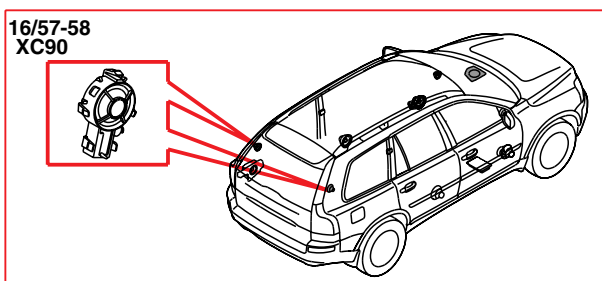
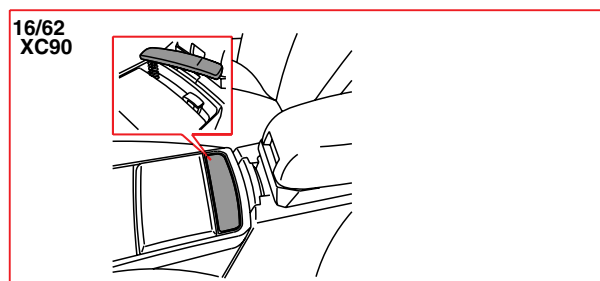
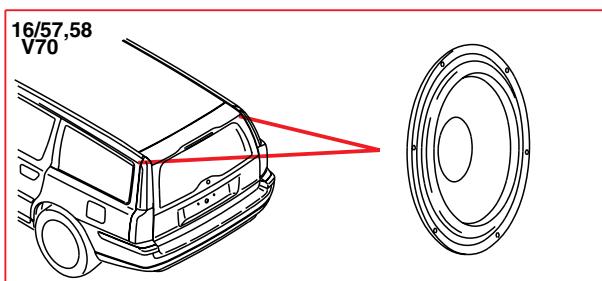
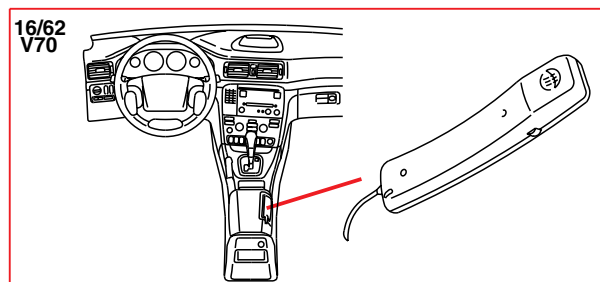
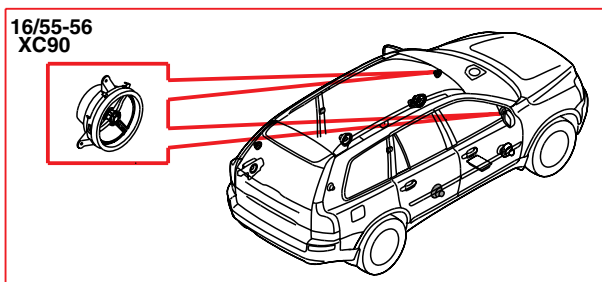
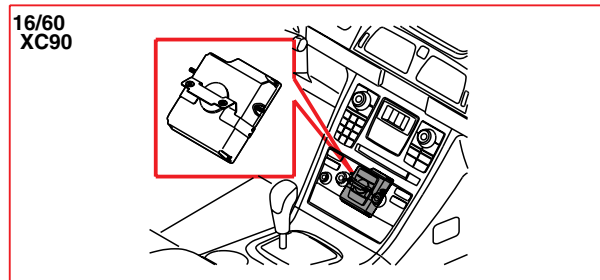
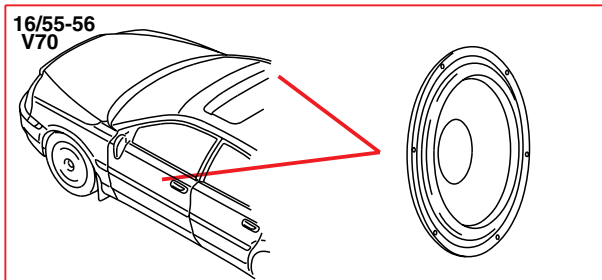
16/10-11
V70



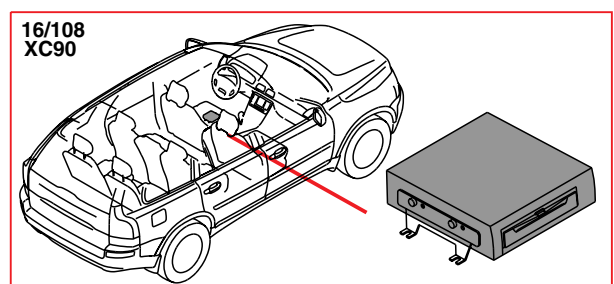
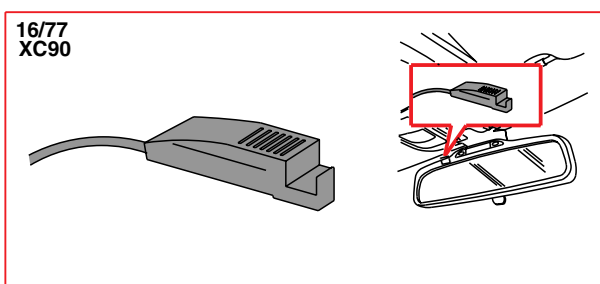
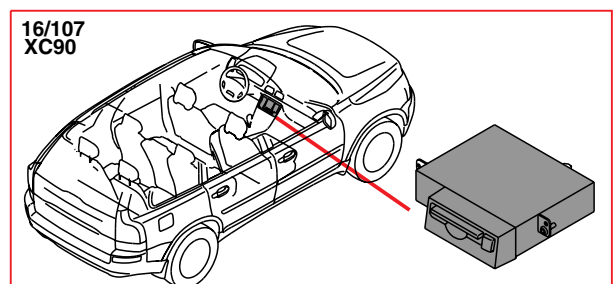
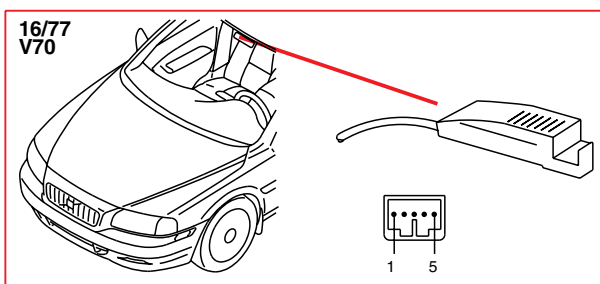
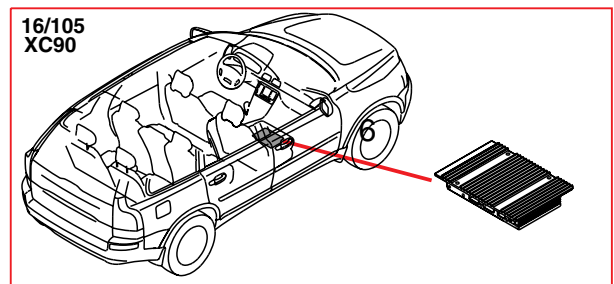
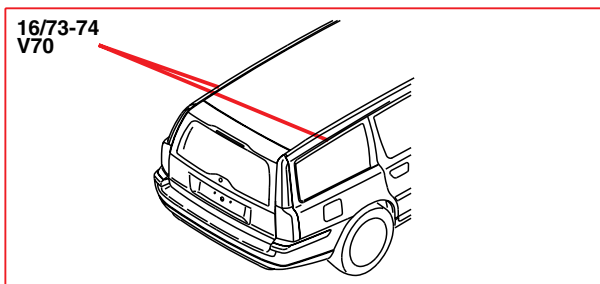
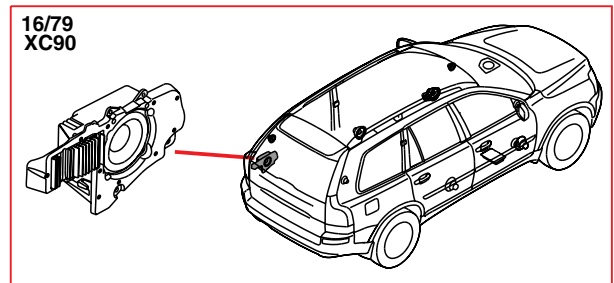
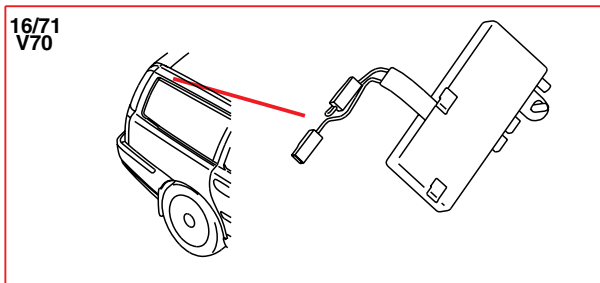
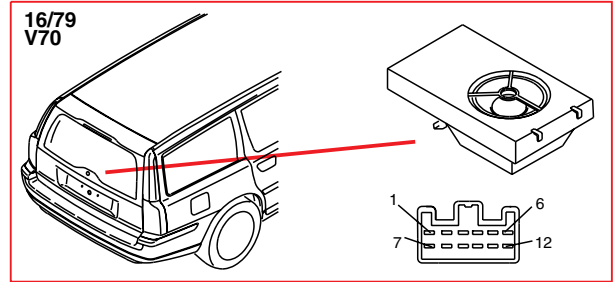
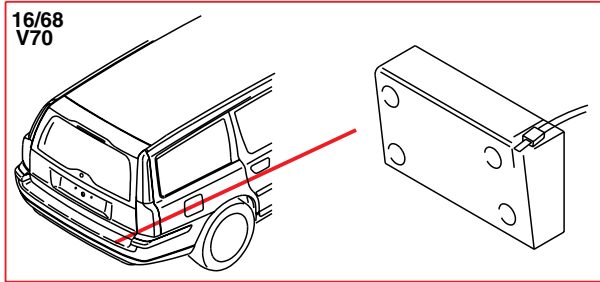
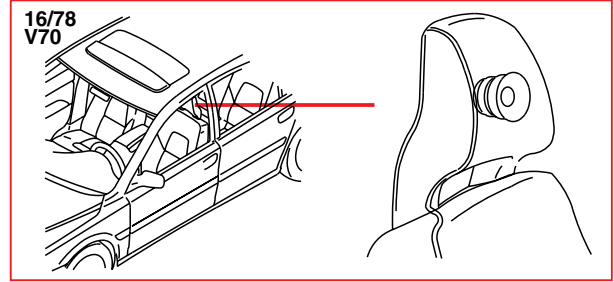
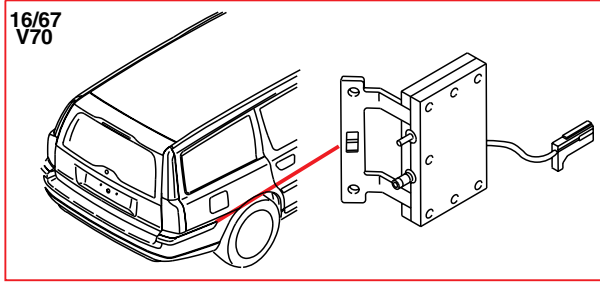


Component illustrations

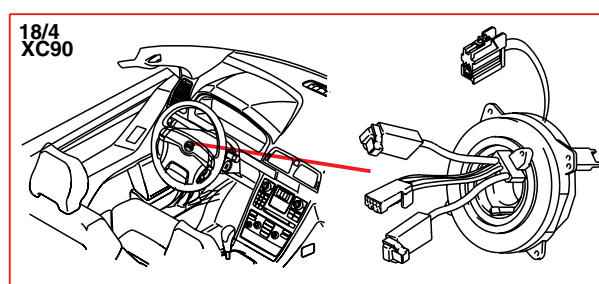
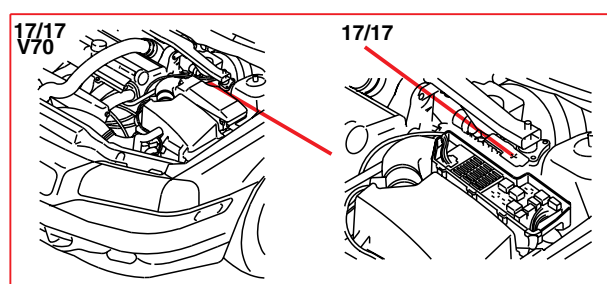
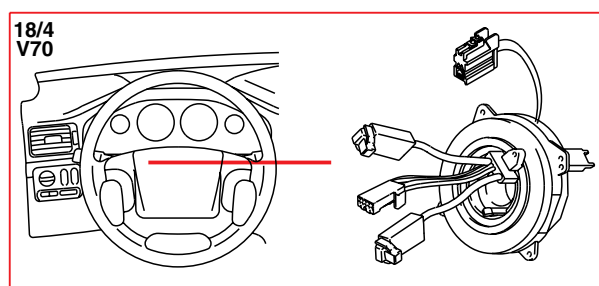
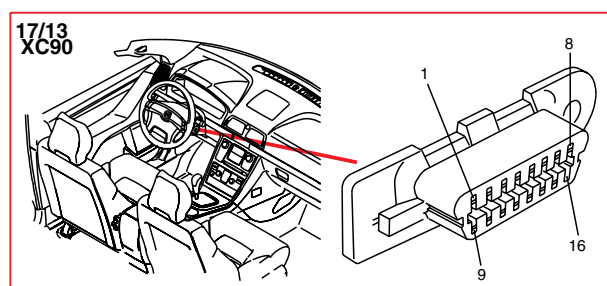
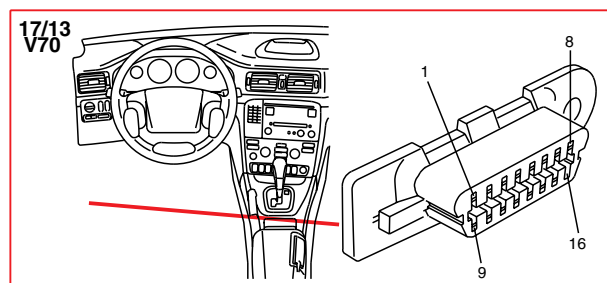
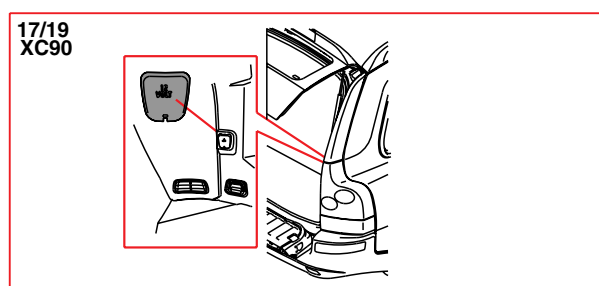
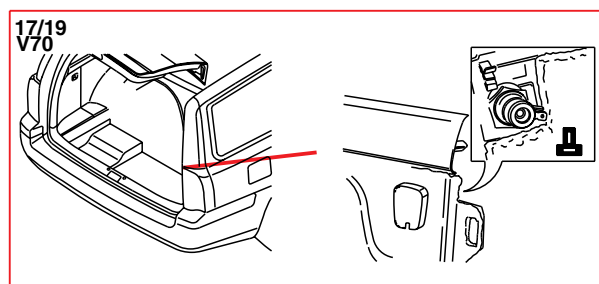
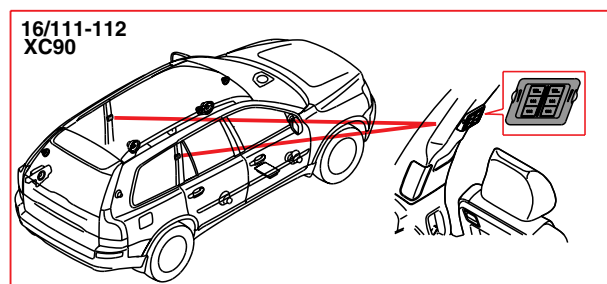
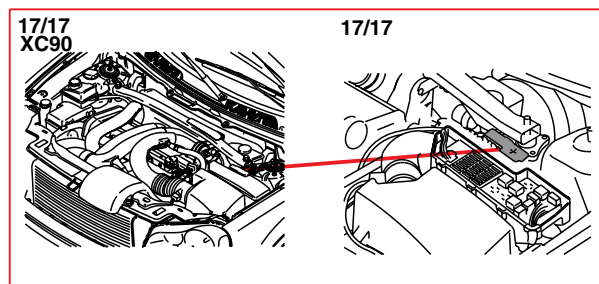
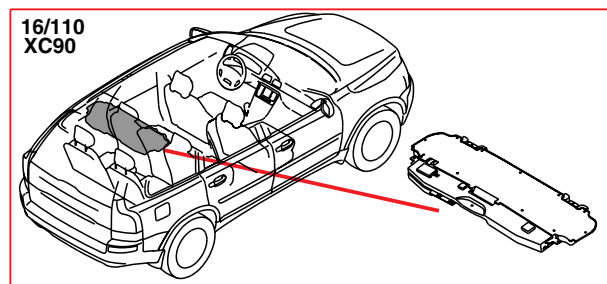
10/55 - 10/65

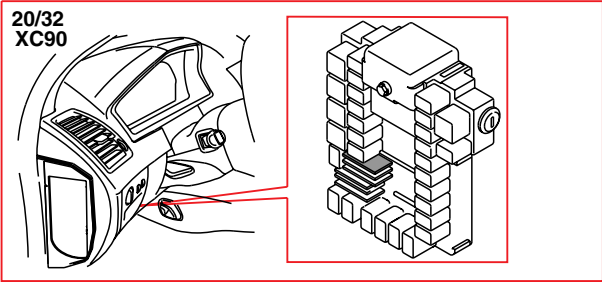
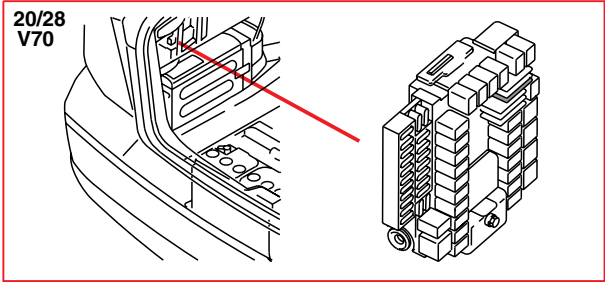
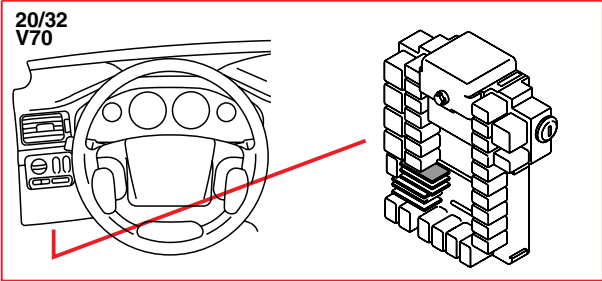
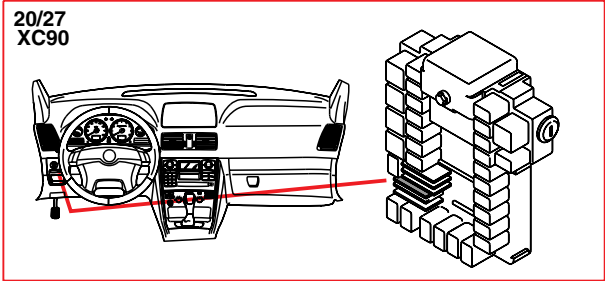
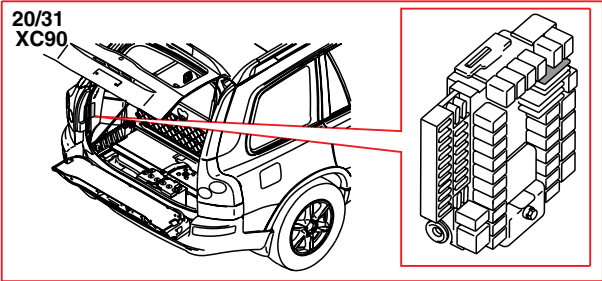
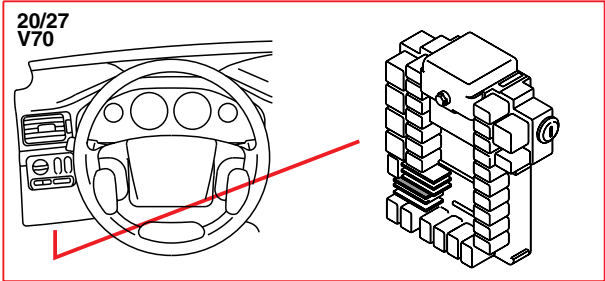
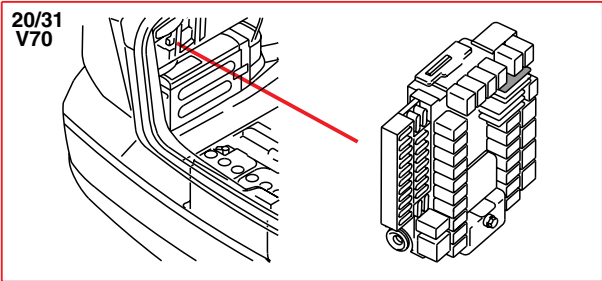
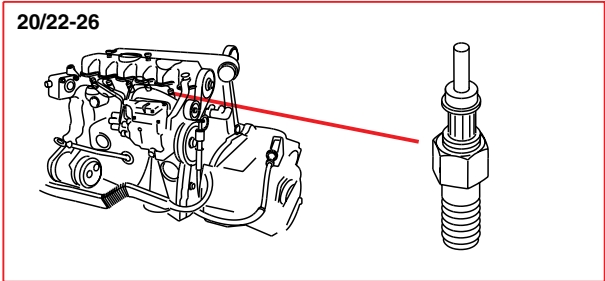
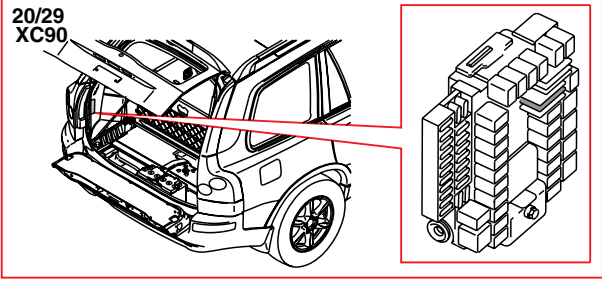
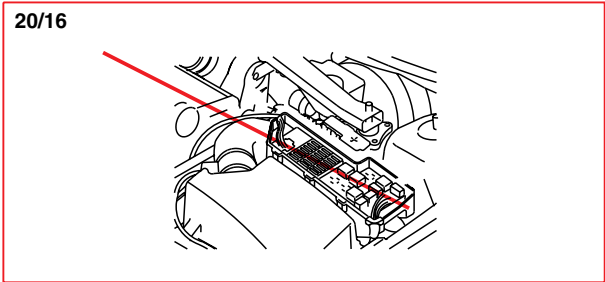
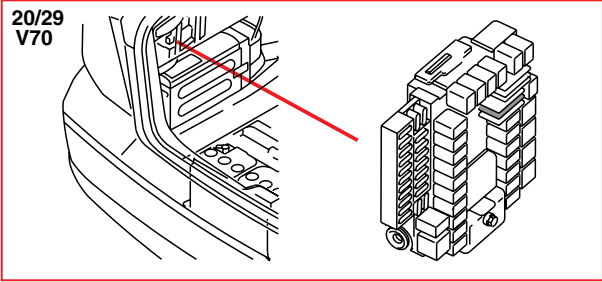
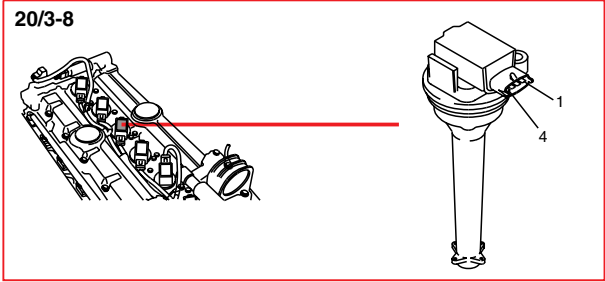


Component illustrations 16/67 - 16/108



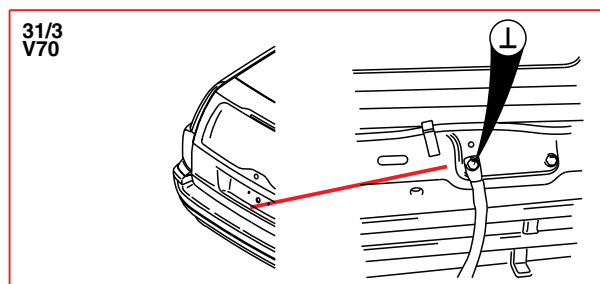
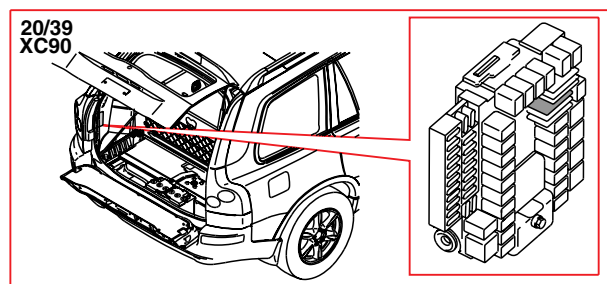
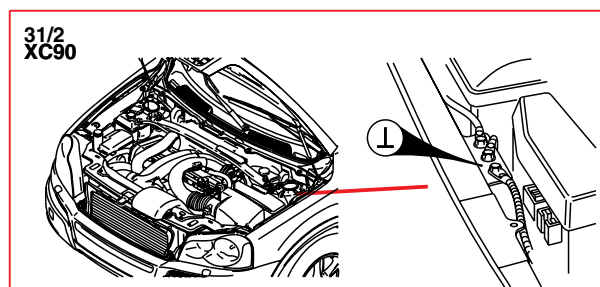
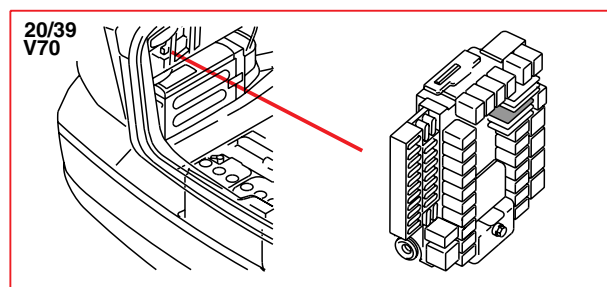
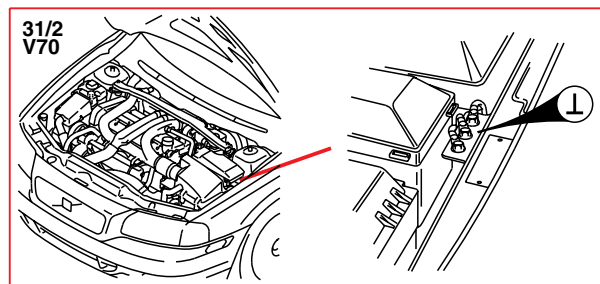
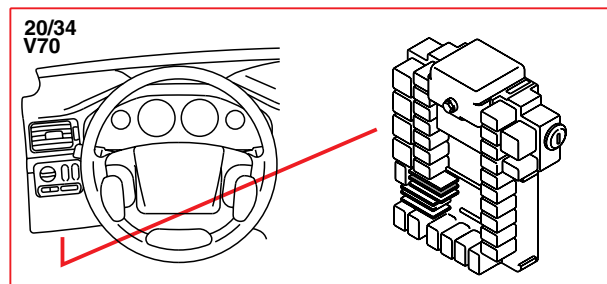
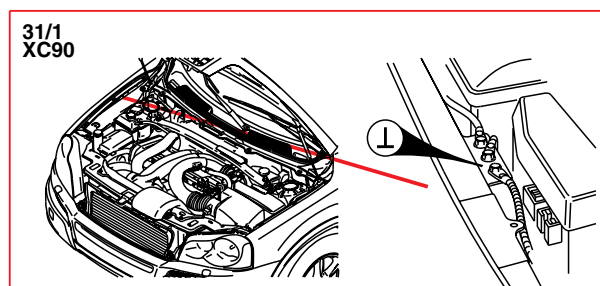
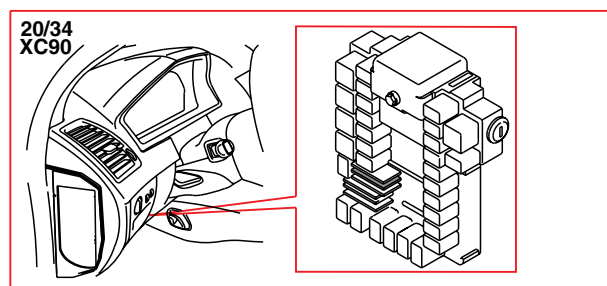
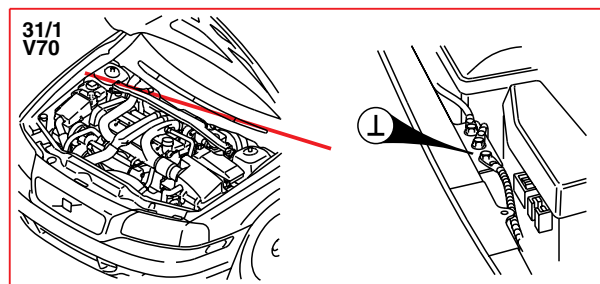
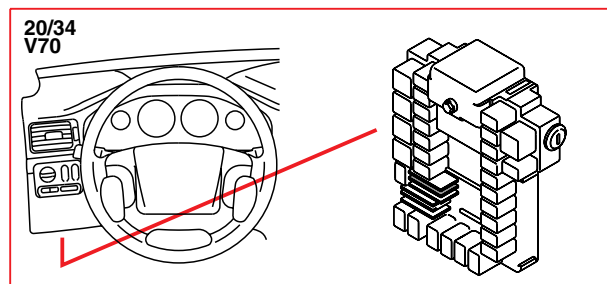
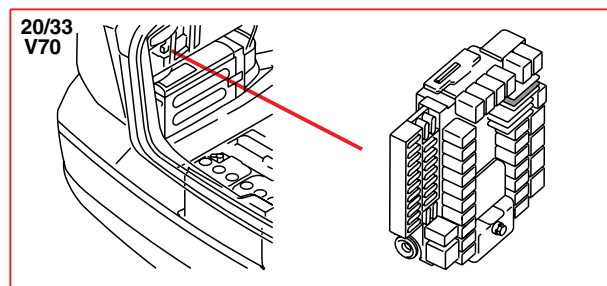
Component illustrations 16/110 - 18/4

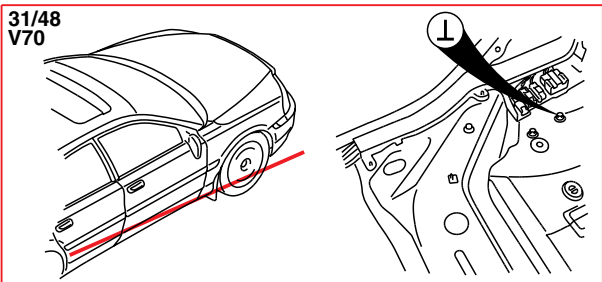
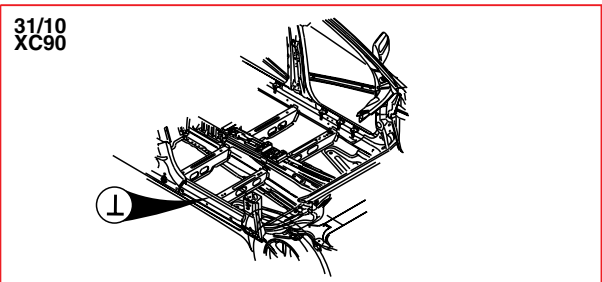
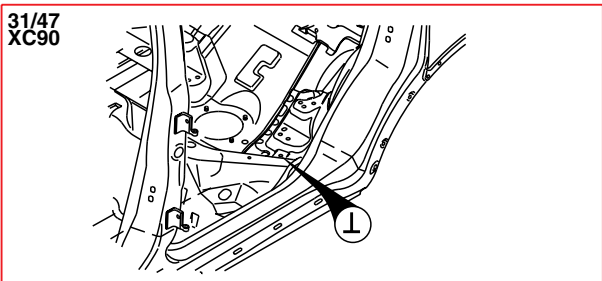
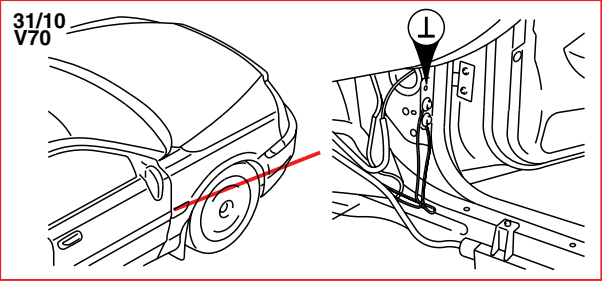
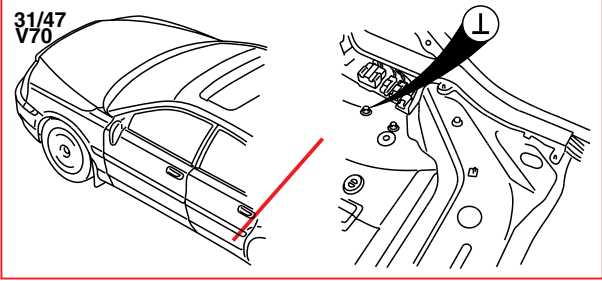
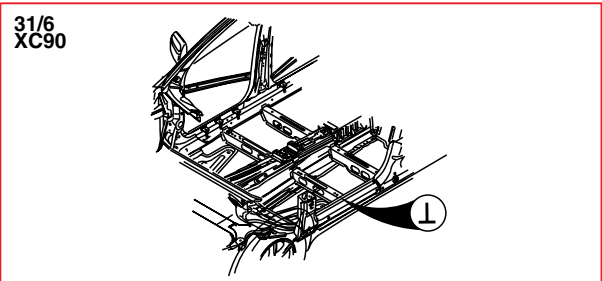
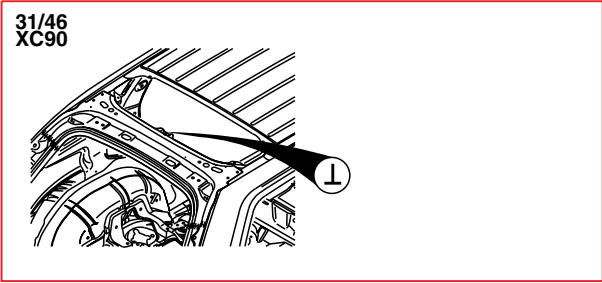
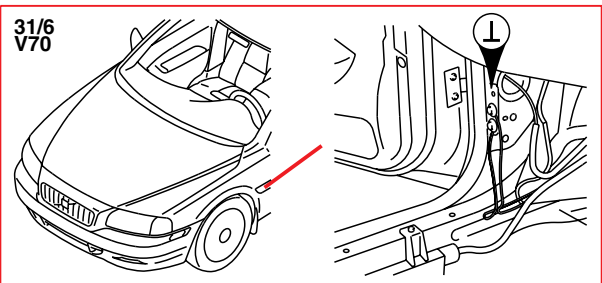
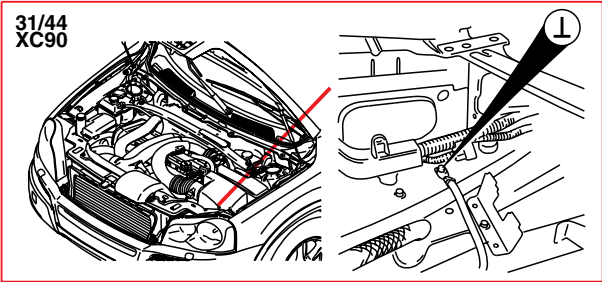
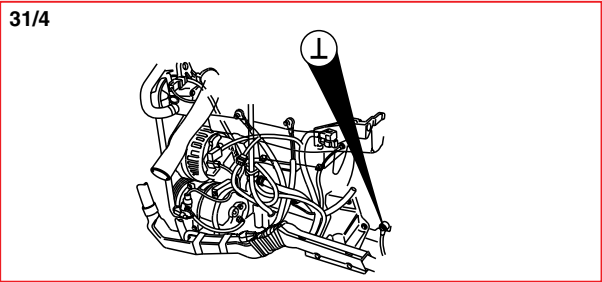
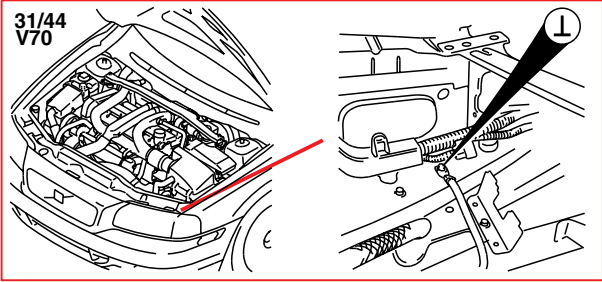
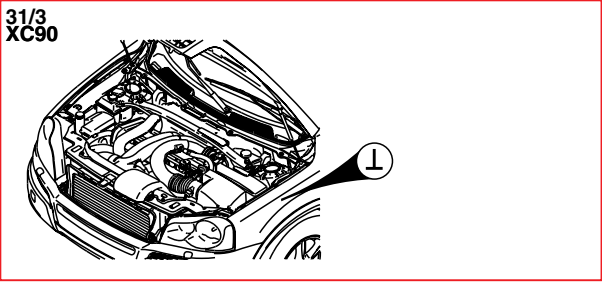




Component illustrations

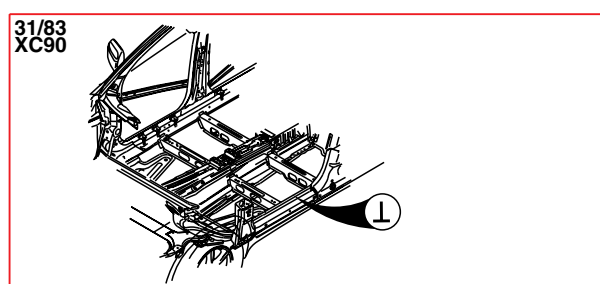
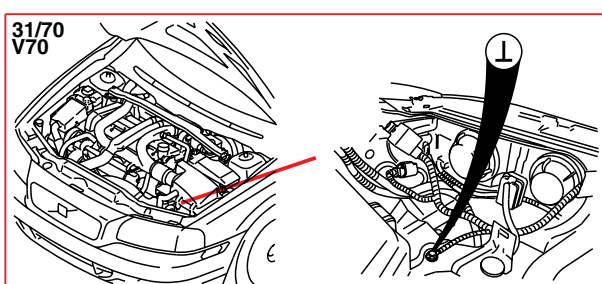
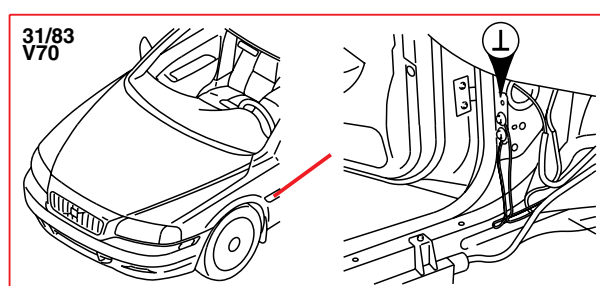
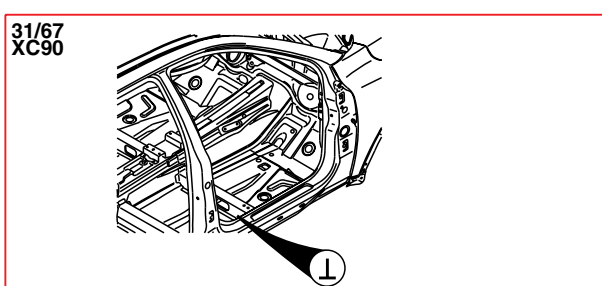
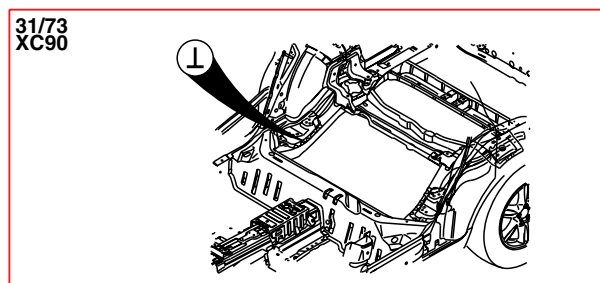
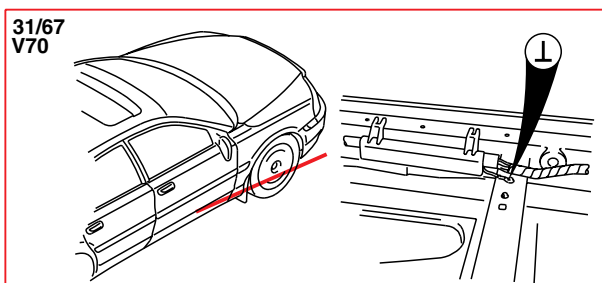
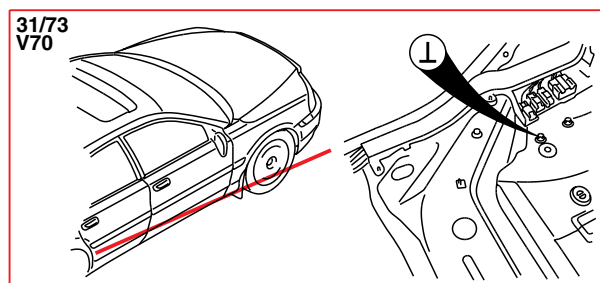
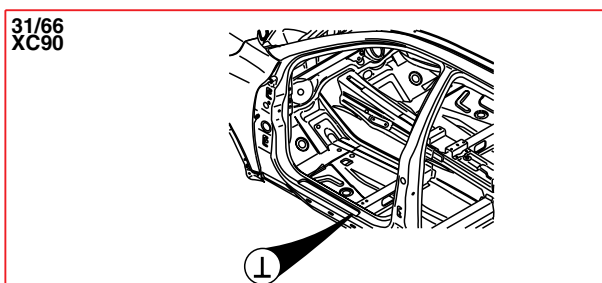
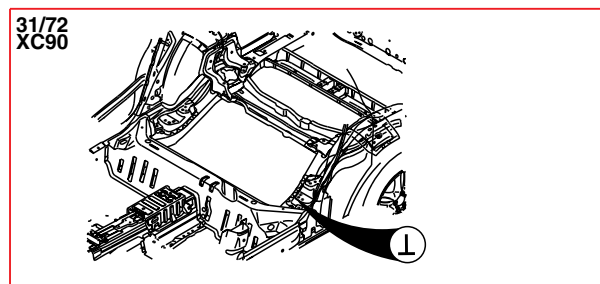
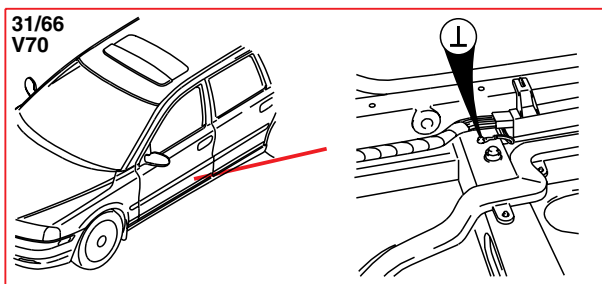
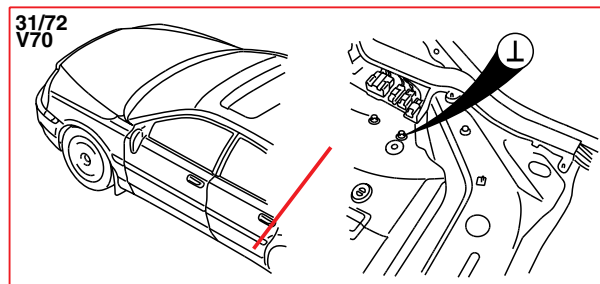
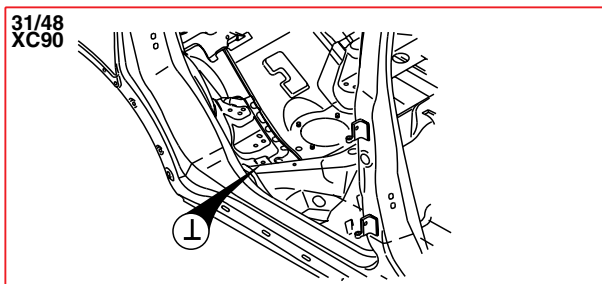
20/33 - 31/3



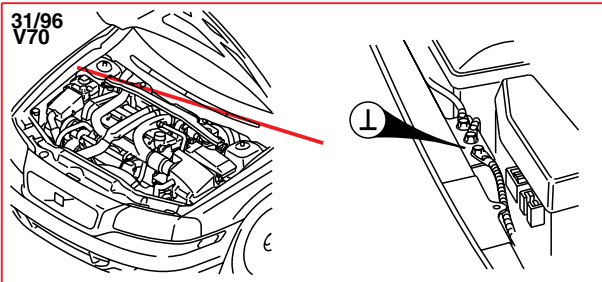
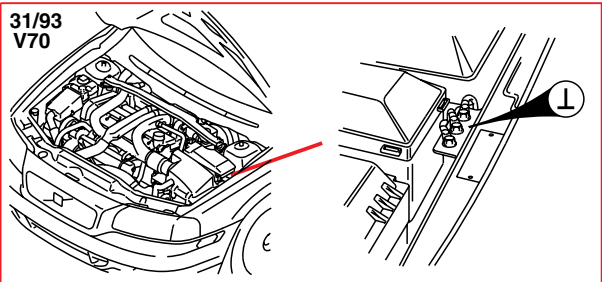
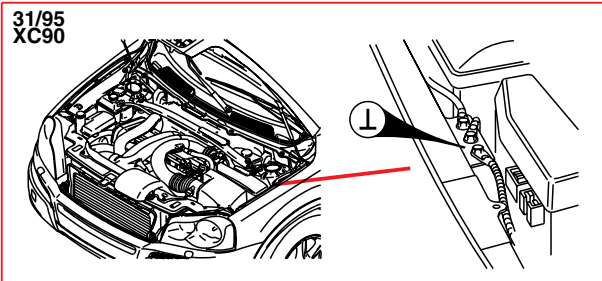
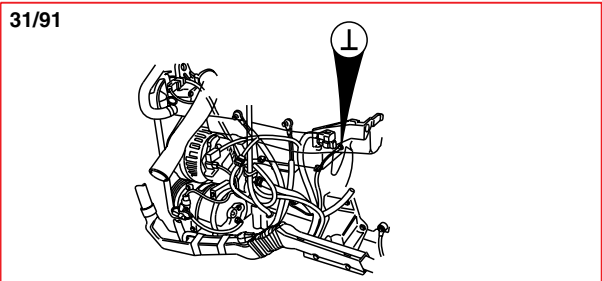
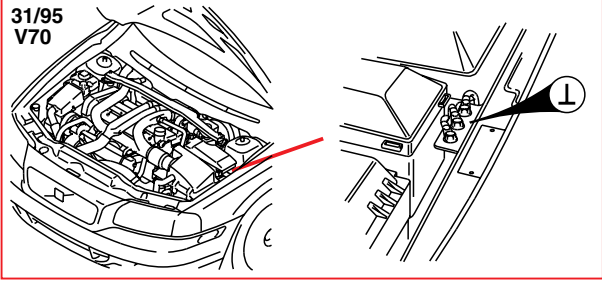
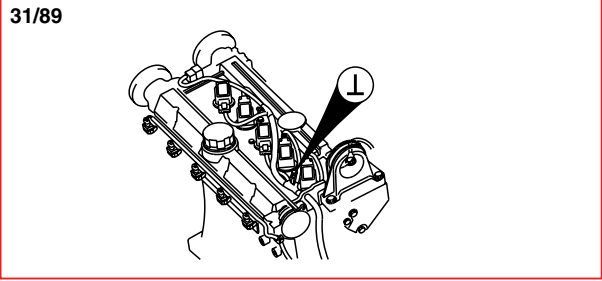
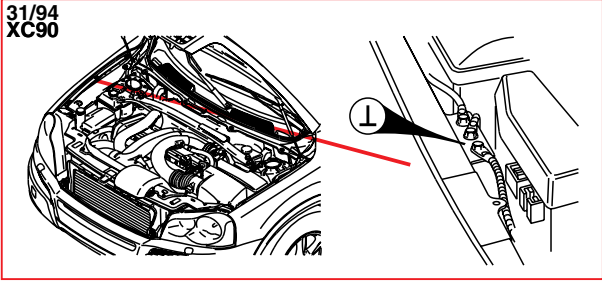
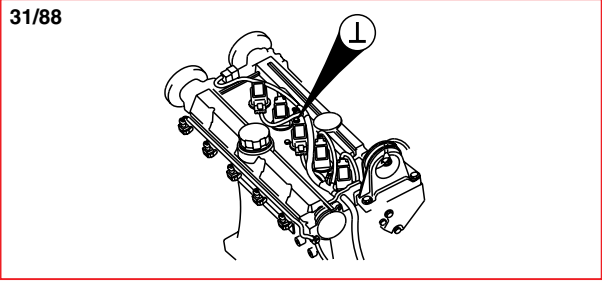
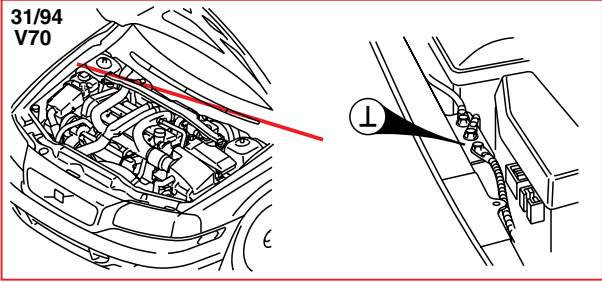
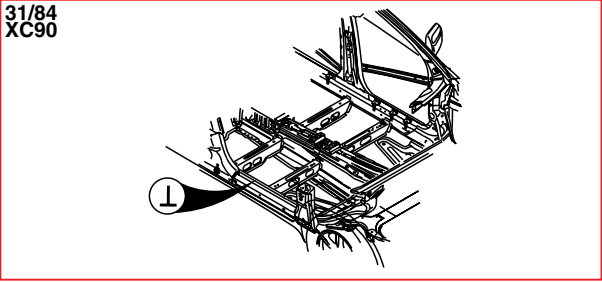
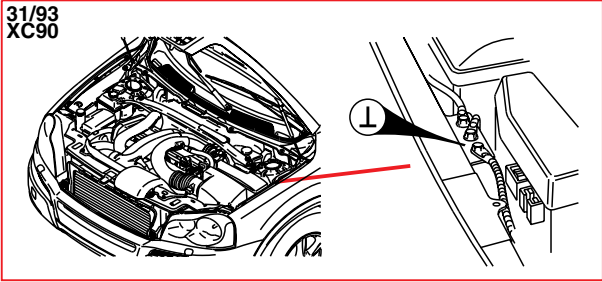
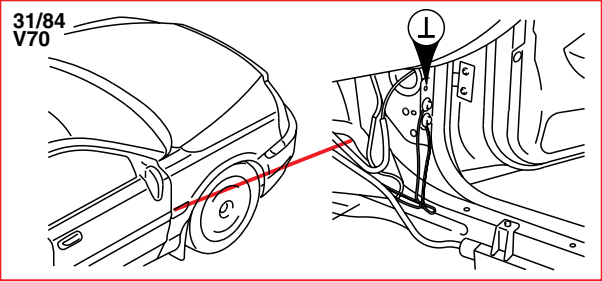


Component illustrations

31/48 - 31/83

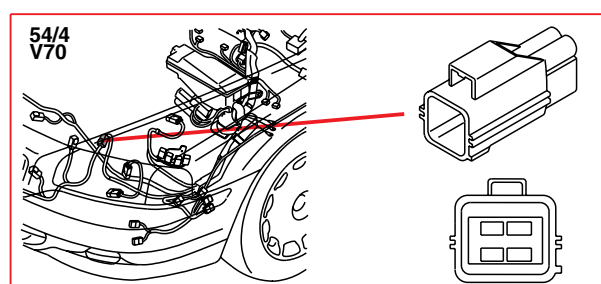
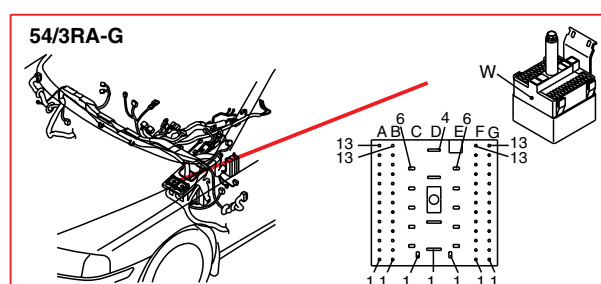
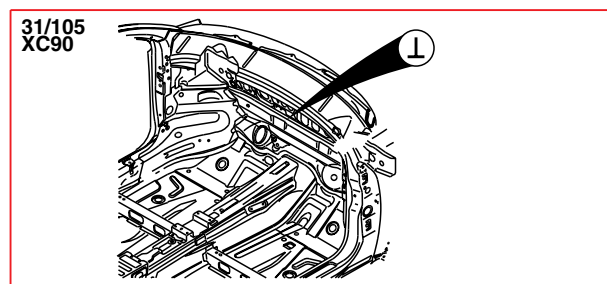
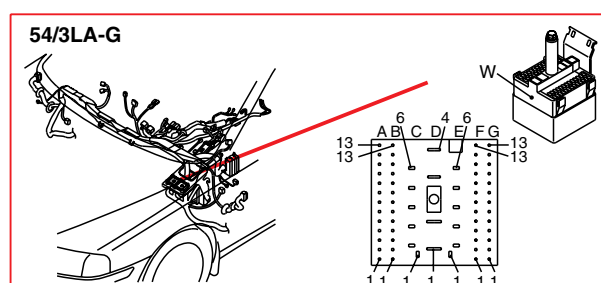
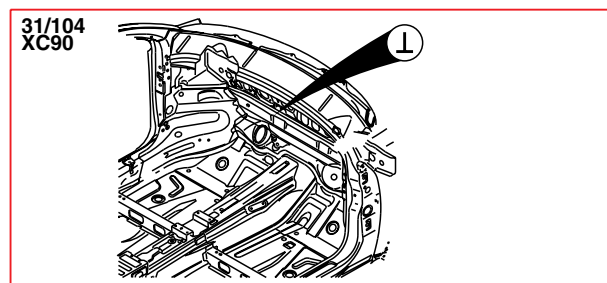
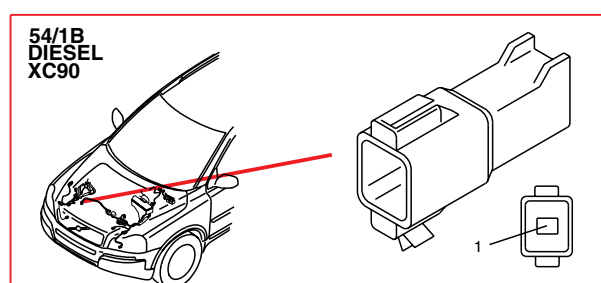
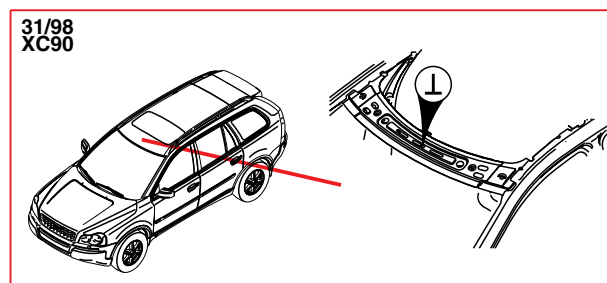
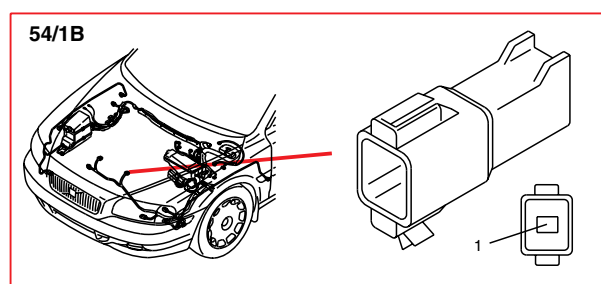
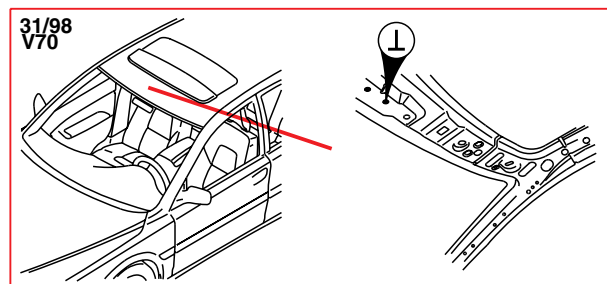
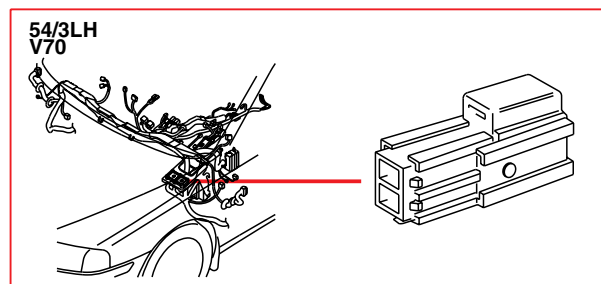
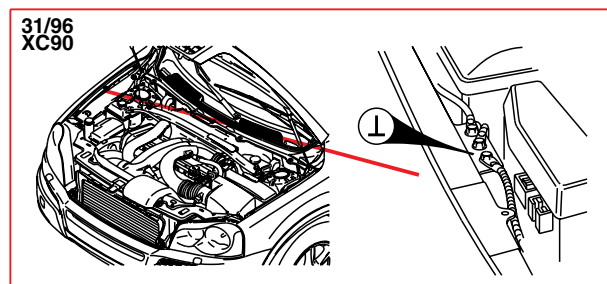


Component illustrations
31/84 - 31/96



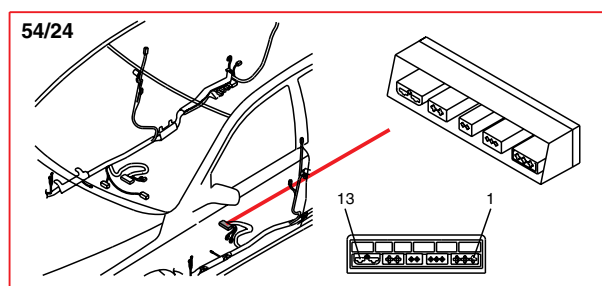
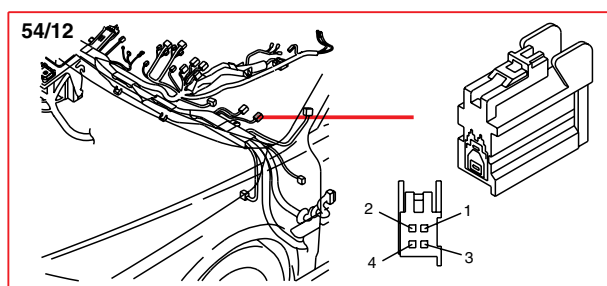
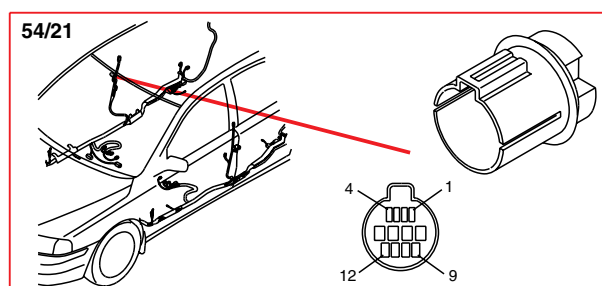
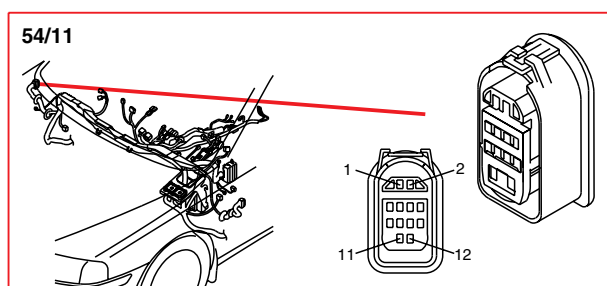
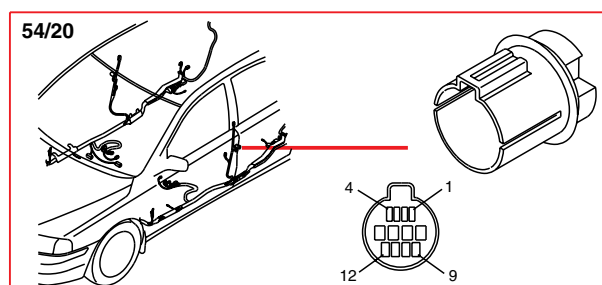
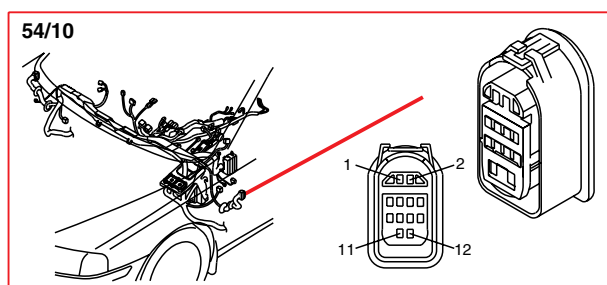
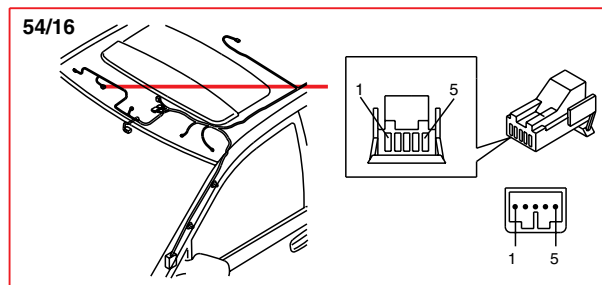
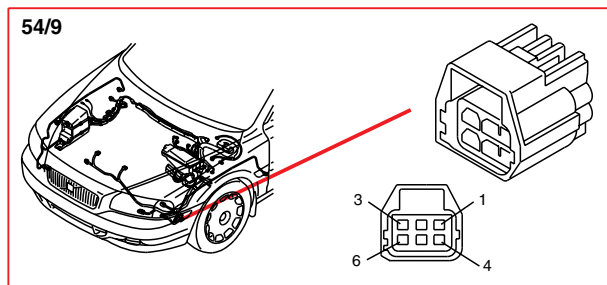
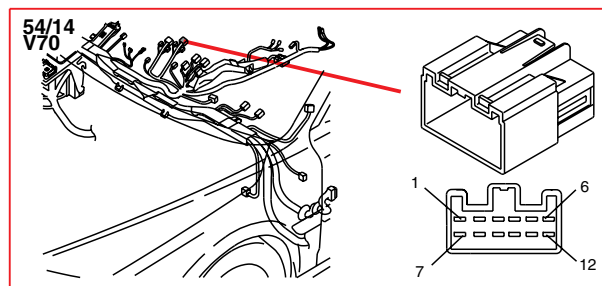
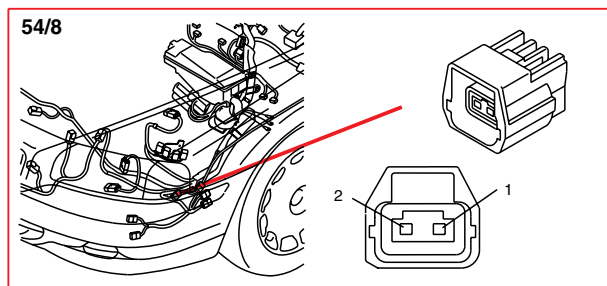
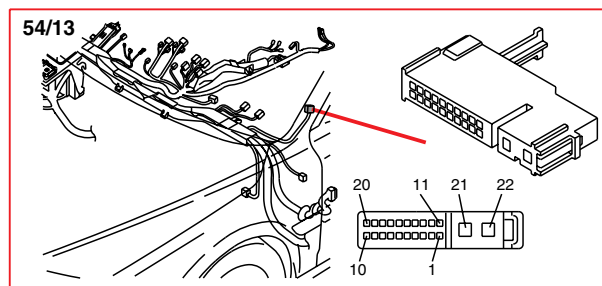
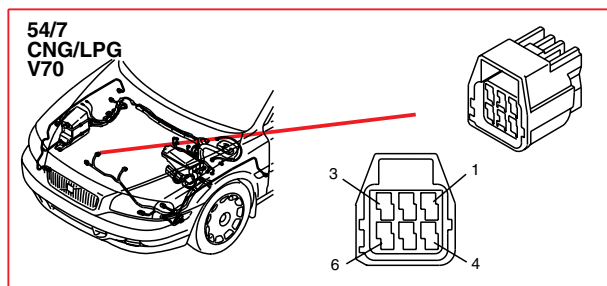
Component illustrations

31/96 - 54/4



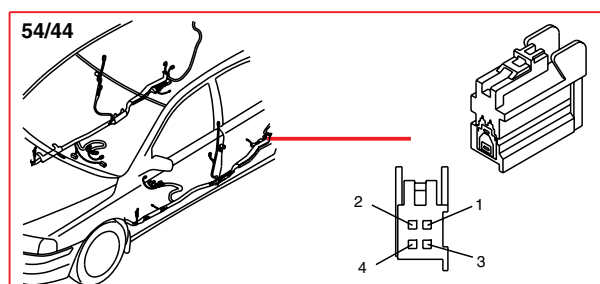
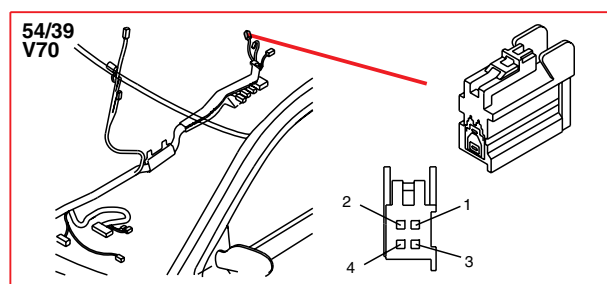
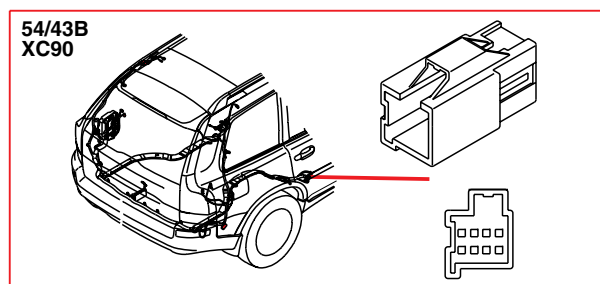
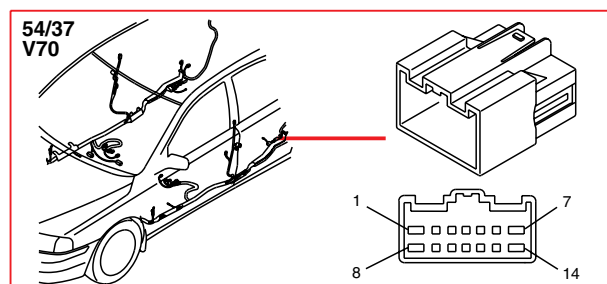
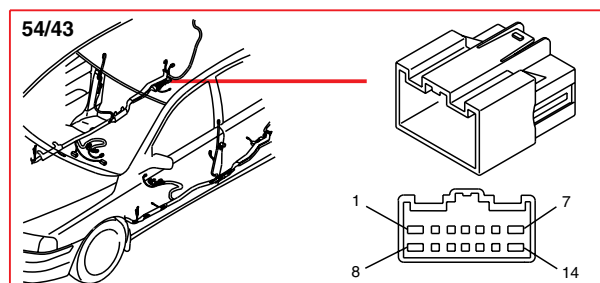
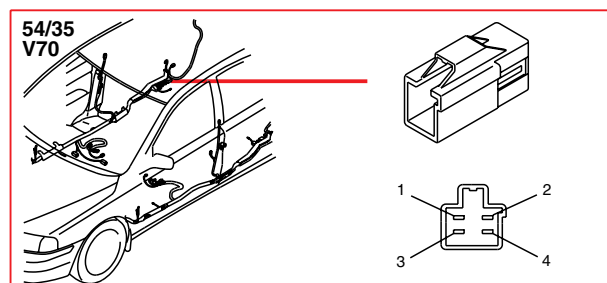
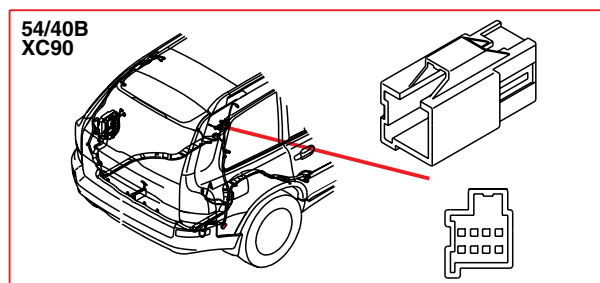
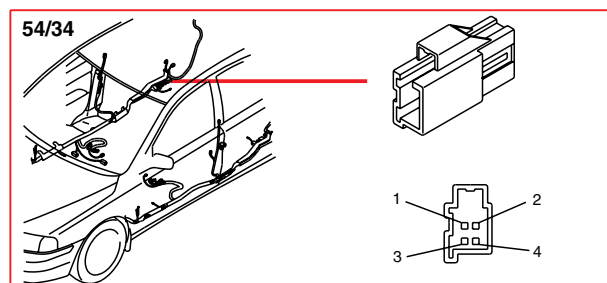
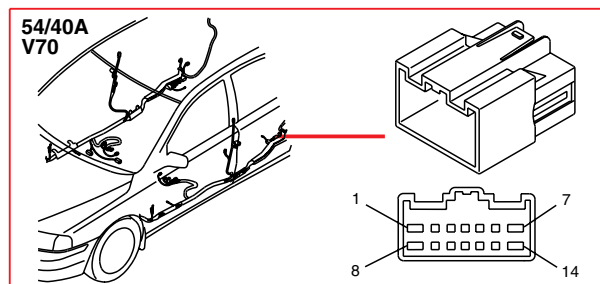
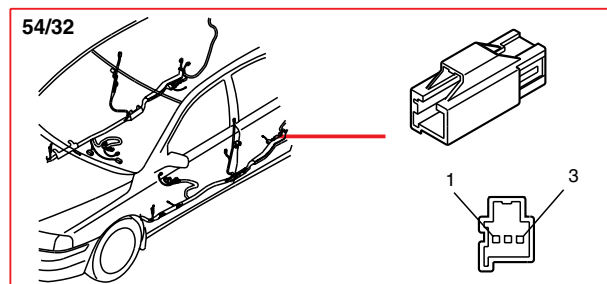
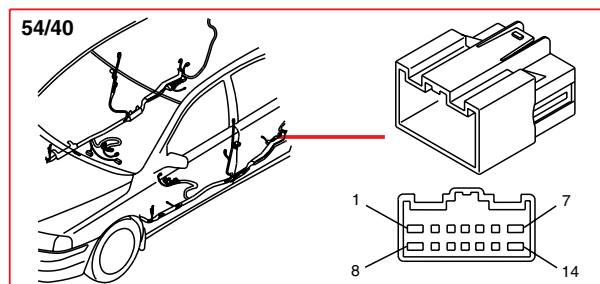
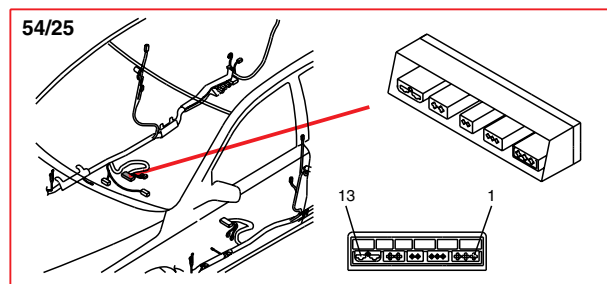
Component illustrations

54/7 - 54/24

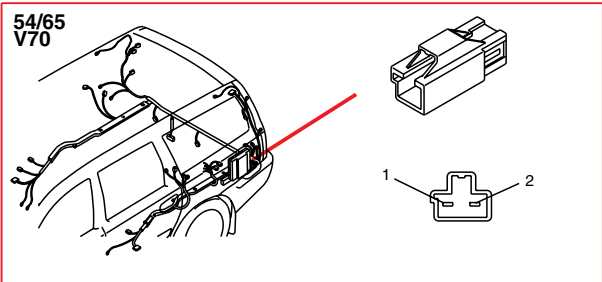
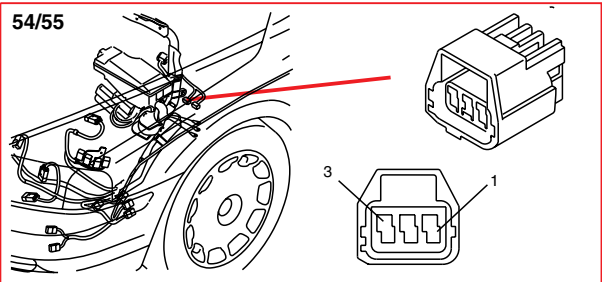
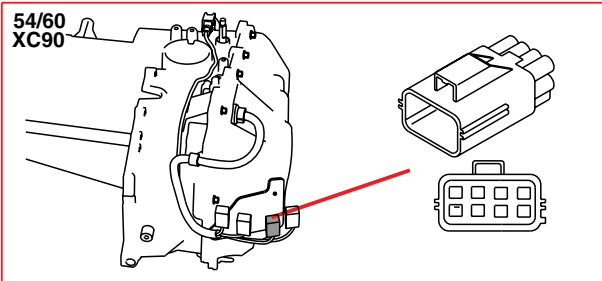
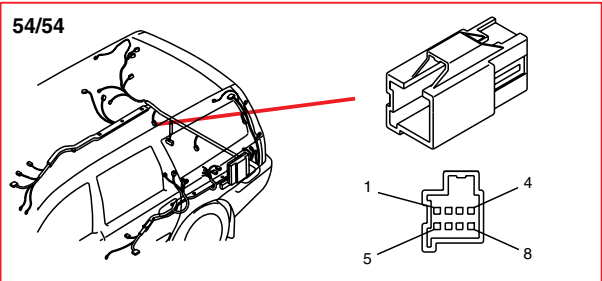
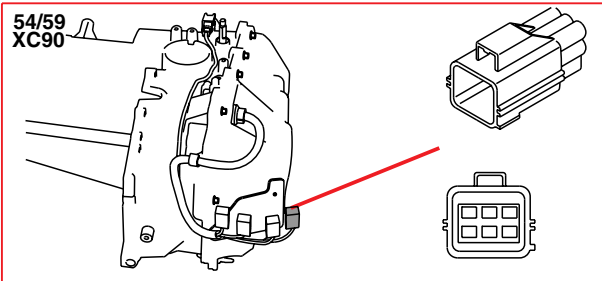
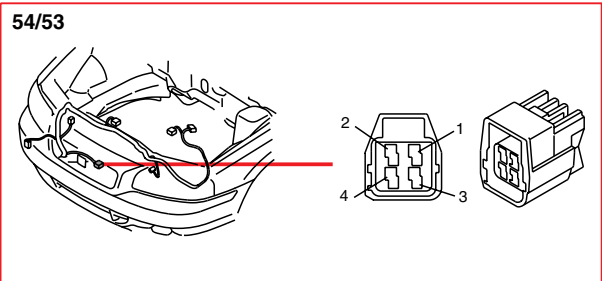
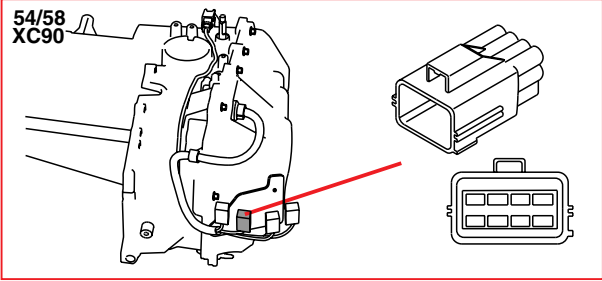
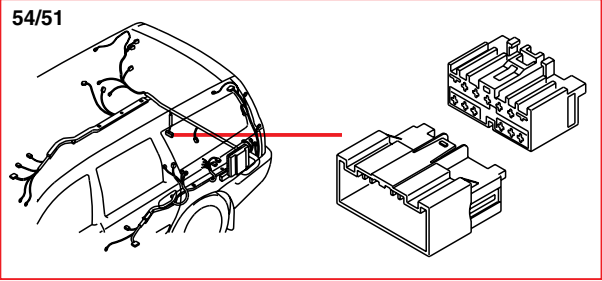
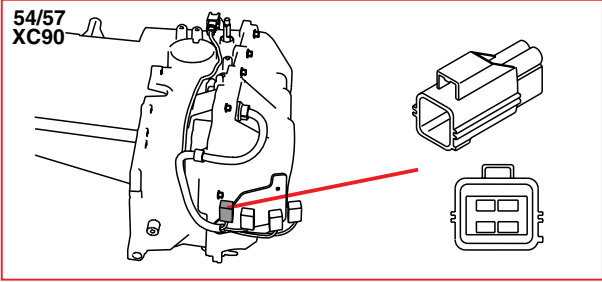
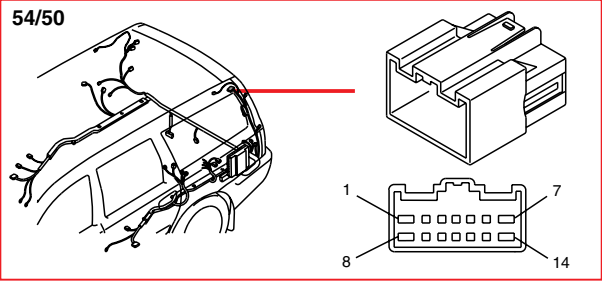
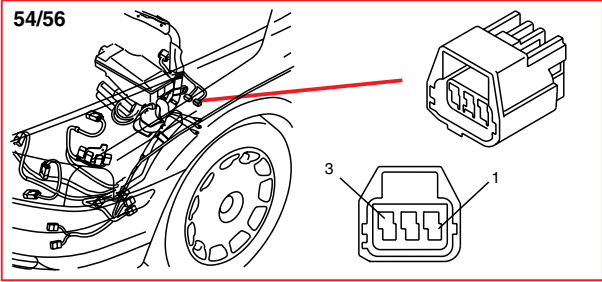
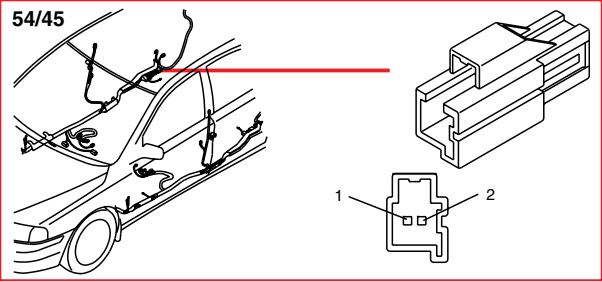


Component illustrations

54/25 - 54/44

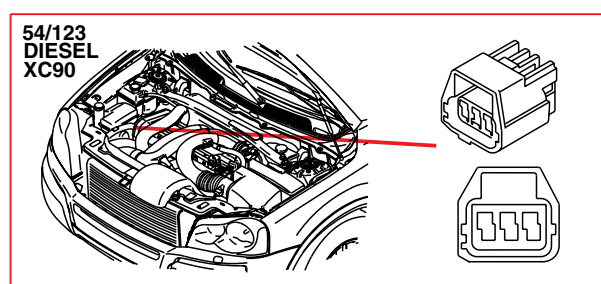
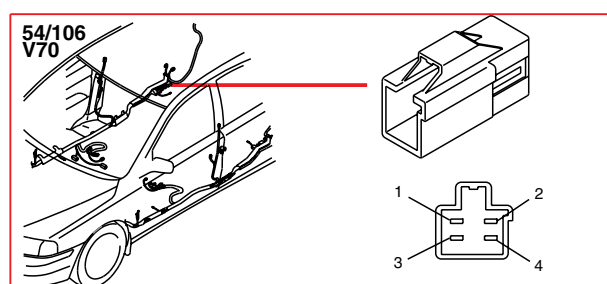
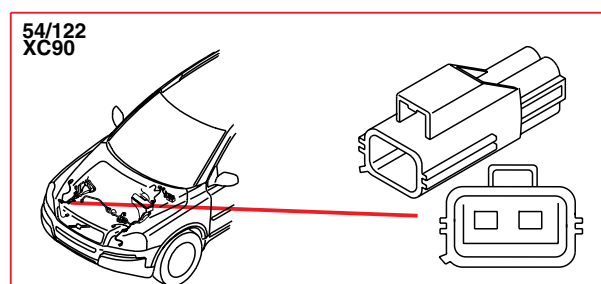
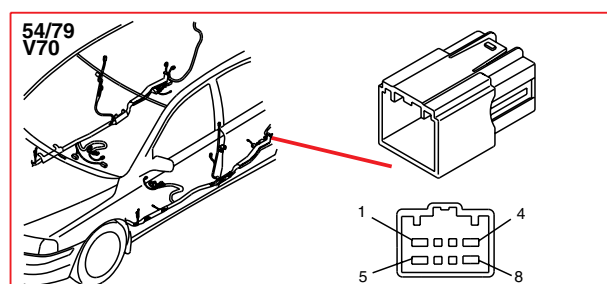
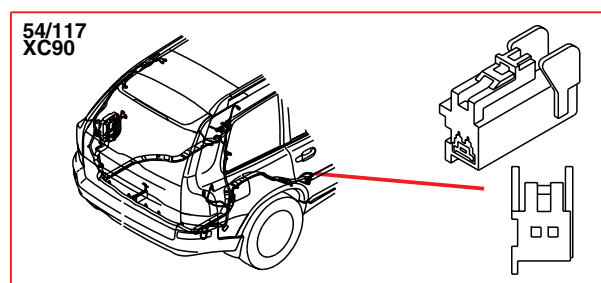
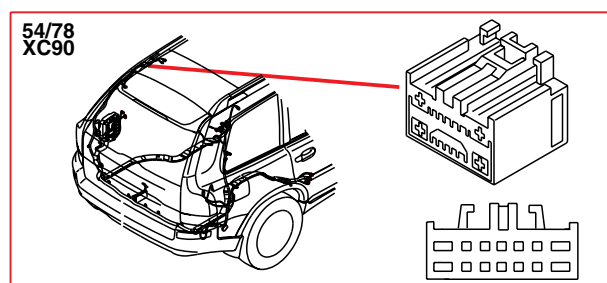
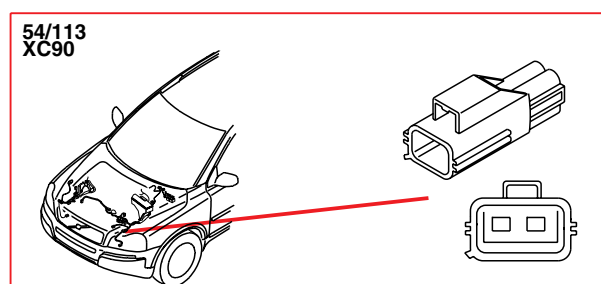
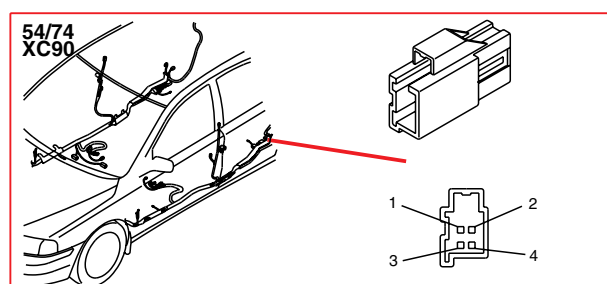
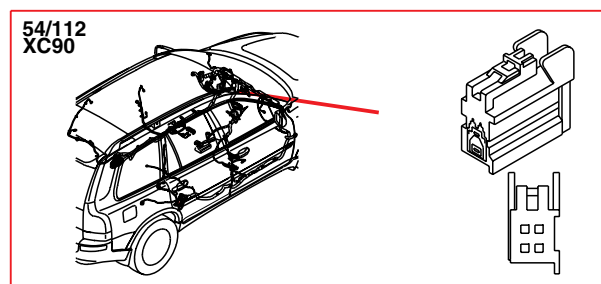
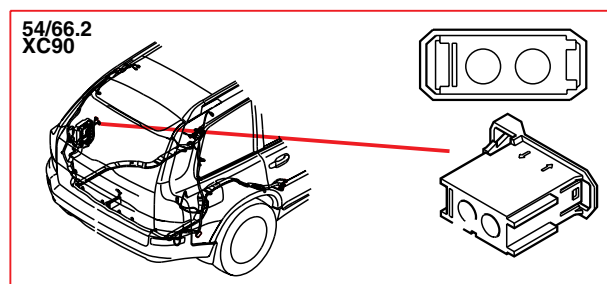
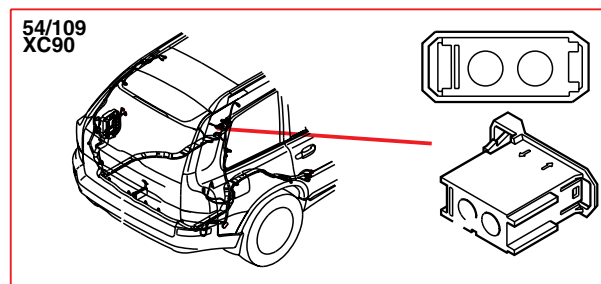
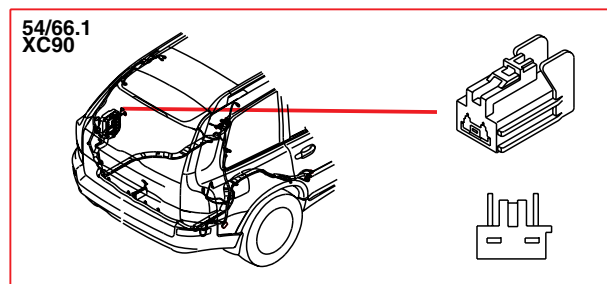


Component illustrations
54/45 - 54/65



Component illustrations

54/66 - 54/123



Nr.

12V cargo compartment outlet	96
12V outlet	95
4T65AWD	109

A

Abbreviations	3
Accessory Electronic Module (AEM)	87
Anti-theft alarm V70/XC70	90
Anti-theft alarm XC90	91
Audio with extra amplifier V70/XC70	100
Audio without extra amplifier V70/XC70	102
Audio XC90	103
Automatic transmission	108, 109
Auxiliary heater	127
Auxiliary light wiring V70/XC70	67
Auxiliary light wiring XC90	69
AW50AWD	108
AW55-50SN	108

B

Beam length adjustment V70/XC70	78
Beam length adjustment XC90	79
Bifuel harness	182
Brake control module (BCM)	112
Brake lights	71

C

Cargo compartment harness	174
Cargo compartment harness XC90	175
Central Electronic Module (CEM) V70/XC70	38
Central Electronic Module (CEM) XC90	40
Central locking system V70/XC70	114
Central locking system XC90	115
Component illustrations	183
Connectors	131
Contents	1
Control module overview V70/XC70	34
Control module overview XC90	36
Control modules	34
Cruise control	64

D

Data communication V70/XC70	46
Data communication XC90	48
Daytime running lights relay, XC90	69
Diagnostics system	94
Differential Electronic Module (DEM)	111
Direction indicators, V70/XC70	80
Direction indicators, XC90	81
Driver information module	98
Driver information module Bifuel	99

E

Electric cooling fan V70/XC70	62
Electric cooling fan XC90	63
Electrical distribution overview V70	6
Electrical distribution overview XC90	8
Electronic Climate Control (ECC)	125
Electronic immobilizer	89
Electronic power steering XC90	113
Emission control, Gasoline, 5-cyl	60
Emission control, Gasoline, 5-cyl with turbo and 6-cyl	61
Engine compartment harness, XC90	170
Engine harness Diesel	167
Engine harness Gasoline	166
Engine management system, 5-cyl	50
Engine management system, 5-cyl Turbo	52

Engine management system, 6-cyl	54
Engine management system, Bifuel	56
Engine management system, Diesel	58

F

Fog lights	70
Front door harness XC90	180
Front engine compartment harness LHD	168
Front engine compartment harness RHD	169
Front passenger compartment harness LHD	171
Front passenger compartment harness RHD	172
Fuses at the battery	22
Fuses in the cargo compartment	20
Fuses in the engine compartment	10
Fuses in the passenger compartment	13

G

Geartronic	107
Ground connections	28

H

Harness, doors V70	179
Hazard warning flashers V70/XC70	80
Hazard warning flashers XC90	81
Heated door mirrors	119
Heated rear window	120
Heated seats	121
High and low beam, Bi-Xenon V70/XC70	68
High and low beam, V70/XC70	67
High pressure wash, headlights XC90	85
Horn	82

I

Ignition switch and relays	23
Immobilizer	89
Inflatable curtain harness V70	176
Infotainment XC90	104
Interior lighting V70/XC70	76
Interior lighting XC90	77

J

Junction points	154
-----------------------	-----

L

License plate lighting V70/XC70	72
License plate lighting XC90	73
List of components	242
List of symbols	5

M

Manual Climate Control (MCC)	124
Mobile telephone V70/XC70	106

O

Other relays	27
--------------------	----

P

Parking assistance XC90	92
Parking heater	127
Parking lights V70/XC70	72
Parking lights XC90	73
Passenger compartment harness XC90	173
Power door mirrors	118
Power driver's seat	122
Power passenger seat	123
Power sunroof	117
Power supply	65
Power windows	116

R

Rain sensor	88
Rear climate control system XC90	126
Rear door harness XC90	181
Rear Electronic Module (REM) V70/XC70	42
Rear Electronic Module (REM) XC90	44
Rear passenger compartment harness	174
Relays in the engine compartment	24
Relays/Shunts	23
Relays/shunts in the cargo compartment	26
Relays/shunts in the passenger compartment	25
Remote garage door opener	130
Reversing lights	74
Road Traffic Information RTI V70/XC70	105
Roof harness XC90	178
RTI	105

S

Safety lighting	75
Seat belt reminder	97

Shift lock	110
SRS	128, 129
SRS, Warnings and recommendations	0
Starting system	66
Supplemental Restraint System V70/XC70	128
Supplemental Restraint System XC90	129

T

Tail lights V70	72
Tail lights XC90	73
Tailgate harness V70	176
Tailgate harness XC90	177
Towing bracket wiring	93

W

Wiper/washer, rear window	86
Wipers/washers, headlights V70/XC70	84
Wipers/washers, windshield	83

List of components

1/1	Battery	2/157	Bass speaker system relay
2/14	Relay, glow plug unit	2/158	Locking relay, rear doors, filler flap
2/16	Relay, intermittent rear window wiping on/off	2/159	Infotainment relay
2/17	Horn relay	3/1	Ignition switch
2/22	Relay, climate control system	3/4	Cruise control switch SWS
2/23	Fuel pump relay	3/6	Hazard warning flasher switch
2/29	Relay, extended X feed V70	3/8	Heated rear window/door mirror switch
2/29	Relay, extended D1 feed XC90	3/9	Brake light contact
2/30	X feed overload relay	3/10	Reversing light contact
2/31	15-feed overload relay	3/25	Power sunroof switch
2/32	Engine management system main relay	3/26	Power driver's seat module
2/33	Fuel system relay, V70	3/27	Power passenger seat module
2/33	High pressure wash relay, XC90	3/37	Horn contact
2/34	Fog light relay, front	3/47	Parking brake contact
2/35	Starter motor relay	3/59	Control, beam adjustment
2/49	Relay, rear fog light	3/60	Auxiliary light switch
2/52	Relay, 15l feed, rear	3/62	Hood alarm contact
2/59	Unlocking relay, fuel filler flap	3/71	Gear position contacts
2/61	Relay, parking light	3/73	Power Child Lock (PCL) switch
2/62	Low beam/Bi-Xenon relay, V70	3/74	Left-hand front door lock unit
2/62	Low beam relay XC90	3/75	Right-hand front door lock unit
2/63	High beam relay	3/76	Left-hand rear door lock unit
2/70	Relay, climate control system, rear	3/77	Right-hand rear door lock unit
2/72	Relay, rear window wiper	3/78	Tailgate lock unit
2/79	Brake light relay	3/80	Switch, left-hand central lock
2/80	Reversing light relay	3/82	Switch, right-hand central lock
2/82	Relay, heated rear window	3/85	Rear left door power window switch
2/83	Trailer fog light relay	3/86	Rear right door power window switch
2/87	Unlocking relay, tailgate	3/91	Switch, left-hand heated seat
2/90	Relay, windshield wiper, low/high speed	3/92	Switch, right-hand heated seat
2/91	Relay, intermittent windshield wiper	3/93	Left seatbelt latch switch
2/92	Relay, windshield washer motor	3/94	Right seatbelt latch switch
2/93	Relay, rear window washer motor	3/95	Spin control switch
2/101	Relay for extended D2 feed, automatic transmission	3/111	Light Switch Module LSM
2/112	Unlocking relay, left-hand rear	3/112	Climate Control Module CCM
2/114	Unlocking relay, right-hand rear	3/117	Ceiling light switch unit
2/115	Relay, deadlock, rear doors	3/126	Control module front left door DDM/PDM
2/116	Rear power window up relay	3/127	Control module front right door PDM/DDM
2/117	Right rear power window up relay	3/130	Steering Wheel Module SWM
2/118	Rear power window down relay	3/131	Switch, audio/mobile phone
2/119	Right rear power window down relay	3/135	RTI switch
2/120	Relay - power windows, power child lock rear door	3/155	Automatic transmission program selector
2/138	Deadlock relay, left-hand rear door	3/156	Gear Selector Module (GSM), V70
2/139	Deadlock relay, right-hand rear door	3/156	Gear Selector Module (GSM) XC90
2/140	Relay CNG/LPG	3/171	Switch, retractable door mirrors
2/142	Relay, preheated fuel filter	3/173	Switch, tailgate private lock
2/143	Relay, fuel leakage control	3/174	Switch, reduced alarm
2/152	Relay, daytime running lights		

4/7	Combustion Preheater Module CPM	6/73	Coolant pump, auxiliary heater
4/9	Control module, Supplemental Restraint System (SRS)	6/76	Climate control system, rear
4/16	Brake Control Module (BCM)	6/92	Motor, rear left power window
4/28	Transmission Control Module (TCM)	6/93	Motor, rear right power window
4/31	Fan control module	6/95	Damper motor, temperature, left-hand side
4/33	Sunroof control module SRM	6/96	Damper motor, temperature, right-hand side
4/46	Engine Control Module ECM	6/102	Damper motor, defroster
4/50	Electronic Throttle Module ETM	6/103	Damper motor, floor/ventilation
4/52	Power driver seat module PSM	6/104	High pressure wash, headlights XC90
4/56	Central Electronic Module CEM	6/105	Fuel distributor, gas
4/58	Rear Electronic Module REM	6/114	Vacuum pump
4/68	Steering Angle Sensor module SAS	6/120	Engine throttle body
4/70	Upper Electronic Module UEM	7/4	Brake fluid level sensor
4/71	Cooling fan control module	7/5	Washer fluid level sensor
4/76	Remote control unit for garage door opener	7/6	Oil pressure sensor
4/78	Accessory Electronic Module AEM	7/8	Pressure sensor, climate control system
4/82	Differential Electronic Module (DEM)	7/10	Interior temperature sensor
4/86	Parking Assistance Module (PAM)	7/11	Outside temperature sensor
4/99	Electronic power steering control module	7/12	Solar sensor, indicator alarm and electronic immobilizer
5/1	Driver Information Module (DIM)	7/15	Heated oxygen sensor
6/1	Windshield wiper motor	7/16	Coolant temperature sensor
6/2	Windshield washer pump	7/17	Mass airflow sensor MAF
6/3	Right-hand headlight wiper motor	7/23	Rear knock sensor
6/4	Left-hand headlight wiper motor	7/24	Front knock sensor
6/15	Sunroof motor	7/25	Impulse sensor
6/16	Driver seat motor, backrest angle	7/31	Left-hand front ABS sensor
6/17	Driver seat motor, up/down front edge	7/32	Right-hand front ABS sensor
6/18	Driver seat motor, up/down rear edge	7/41	Temperature sensor, evaporator
6/19	Driver seat motor, forward/backward	7/51	Accelerator pedal sensor
6/20	Passenger seat motor, forward/backward	7/56	Left-hand rear ABS sensor
6/25	Starter motor	7/57	Right-hand rear ABS sensor
6/26	Generator	7/61	Input speed sensor
6/28	Motor, passenger compartment fan	7/62	Output speed sensor
6/29	Motor, electric cooling fan	7/73	Coolant level sensor
6/30	Washer pump, rear window	7/74	Oil temperature sensor, automatic transmission
6/32	Rear window wiper motor	7/81	Pressure sensor, intake manifold
6/33	Fuel pump	7/82	Heated oxygen sensor, diagnosis 1
6/35	Fuel pump, auxiliary heater	7/91	Steering angle sensor
6/37	Lock motor, fuel filler flap	7/100	Vehicle inclination sensor ISM
6/38	Left-hand headlight level adjustment motor	7/103	Heated oxygen sensor 3
6/39	Right-hand headlight adjustment motor	7/104	Heated oxygen sensor 4 (diagnostic probe)
6/44	Cooling fan, electrics box, engine compartment	7/105	Outside temperature sensor, engine control module
6/48	Damper motor, recirculation	7/108	Left-hand rear side impact sensor
6/58	Motor, front left power window	7/109	Right-hand rear side impact sensor
6/60	Motor, front right power window	7/110	Left-hand seat temperature sensor
6/62	Left-hand power door mirror	7/111	Right-hand seat temperature sensor
6/63	Right-hand power door mirror	7/115	Left-hand front side impact sensor
6/64	Passenger seat motor, backrest angle	7/116	Right-hand front side impact sensor
6/65	Passenger seat motor, up/down front edge	7/120	Rear left angle sensor
6/66	Passenger seat motor, up/down rear edge	7/122	Microwave sensor alarm (MMS), V70
6/67	Pump, fuel leakage control	7/122	Mass Movement Sensor control module (MMS), front, XC90
6/69	Damper motor, ventilation/floor/defroster	7/123	Clutch pedal sensor
6/71	Valve, speed-dependent power steering	7/124	Brake pedal sensor

7/129	Brake pressure sensor 2	8/81	Solenoid, variable valve timing outlet
7/130	Fuel level sensor, injector side	8/82	Solenoid, variable turbo geometry
7/135	Glass breakage sensor, left-hand	8/84	Switch, vacuum pump
7/136	Glass breakage sensor, right-hand	8/85	Thermostatic switch, fuel filter
7/137	Glass breakage sensor, tailgate	8/88	Solenoid, rear CNG fuel tank
7/139	Brake pressure sensor 1	8/89	Solenoid, fuel tank CNG front left
7/143	Fuel level sensor, pump side	8/90	Solenoid, fuel tank CNG front right
7/149	Rain sensor	8/94	Left-hand belt tensioner igniter, third row of seats
7/153	Sensor, fuel level LPG	8/95	Right-hand belt tensioner igniter, third row of seats
7/156	Pressure and temperature sensor CNG	8/96	Left-hand inflatable curtain igniter, third row of seats
7/156	Fuel pressure and temperature sensor B5244S6, B5244S	8/97	Right-hand inflatable curtain igniter, third row of seats
7/158	Mass Movement Sensor control module (MMS), rear	8/99	Igniter, steering column
7/159	Air quality sensor	8/111	Solenoid valve, high-pressure diesel
7/162	Pressure sensor, fuel line		
7/164	Sensor module DSTC	9/1	Front 12V outlet
7/165	Temperature sensor, intake manifold	9/2	Heated rear window
7/172	Position sensor, camshaft, intake side	9/12	Left seat heater
7/173	Sensor, camshaft	9/13	Right seat heater
7/175	Passenger seat weight sensor	9/16	Left-hand backrest heating element
7/178	Front impact sensor 1	9/17	Right-hand backrest heating element
7/179	Front impact sensor 2	9/18	Left-hand seat heating element
		9/19	Right-hand seat heating element
8/3	Electromagnetic clutch, climate control system	9/25	Rear 12V outlet
8/6-11	Injectors	9/30	Auxiliary heater
8/17	EGR valve	9/32	PTC resistor - air preheating
8/18	EVAP valve	9/33	Left-hand heated door mirror
8/19	Solenoid, variable valve time, inlet	9/34	Right-hand heated door mirror
8/28	Turbocharger control valve	9/38	Electrically heated fuel filter
8/30	Driver side airbag igniter		
8/31	Passenger side airbag igniter	10/1	Left-hand front lamp housing
8/32	Igniter, passenger side airbag stage 2	10/2	Right-hand front lamp housing
8/33	Front left belt tensioner igniter	10/3	License plate lighting
8/34	Front right seat belt tensioner igniter	10/5	Front left fog light
8/36	Shift lock solenoid	10/6	Front right fog light
8/37	Automatic transmission	10/11	Front left parking light
8/38	Shift solenoid 1	10/12	Front right parking light
8/39	Shift solenoid 2	10/13	Front left direction indicator
8/40	Lock-up solenoid	10/14	Front right direction indicator
8/41	Pressure solenoid	10/15	Direction indicator, left front fender, V70
8/46	DSTC activation module	10/15	Direction indicator, left front door, XC90
8/51	Front left side airbag igniter	10/16	Direction indicator, right front fender, V70
8/52	Front right side airbag igniter	10/16	Direction indicator, right front door, XC90
8/55	Rear left belt tensioner igniter	10/17	Lamp housing, right-hand tail light
8/56	Rear right belt tensioner igniter	10/18	Lamp housing, left-hand tail light
8/61	Driver side airbag igniter step 2	10/19	Auxiliary brake light
8/62	Belt tensioner igniter, center rear seat	10/25	Ceiling light, cargo compartment
8/64	Solenoid valve, engine mounting	10/29	Glove compartment lighting
8/66	Left-hand inflatable curtain igniter	10/43	Right-hand brake light
8/67	Right-hand inflatable curtain igniter	10/44	Right-hand tail light lamp
8/71	Throttle solenoid	10/45	Right-hand tail light lamp 2
8/72	Shift solenoid 3	10/46	Fog light, right rear
8/73	Shift solenoid 4	10/47	Right rear direction indicator
8/74	Shift solenoid 5	10/48	Right-hand reversing light
8/75	Valve, fuel cut-off DFCO	10/50	Left-hand brake light
8/76	Gas tank valve	10/51	Left-hand tail light lamp
8/78	Oil pressure sensor	10/52	Left-hand tail light lamp 2
8/79	Valve LPG		

10/53	Fog light, left rear	16/59	Antenna, remote control
10/54	Left rear direction indicator	16/60	Integrated mobile telephone PHM
10/55	Left-hand reversing light	16/62	Hand unit, mobile phone
10/64	Right-hand high beam	16/63	GPS antenna, Telephone
10/66	Right-hand low beam	16/64	Antenna, mobile telephone
10/68	Left-hand high beam	16/65	Antenna ring/ignition switch lighting
10/70	Left-hand low beam	16/67	Amplifier antenna, bumper
10/72	Front ashtray lighting	16/68	Antenna, bumper
10/114	Left-hand vanity mirror lighting	16/71	Amplifier, right-hand window antenna (1)
10/115	Right-hand vanity mirror lighting	16/73	Window antenna amplifier 2 left
10/125	Left-hand front courtesy lighting	16/74	Window antenna amplifier 2 right
10/126	Right-hand front courtesy lighting	16/77	Microphone, mobile telephone
10/129	Front left parking light	16/78	Speaker, mobile telephone
10/130	Front right parking light	16/79	Bass speaker, V70
10/148	Left-hand door mirror lighting	16/79	Bass speaker system SUB, XC90
10/149	Right-hand door mirror lighting	16/105	Audio module AUD
10/150	Rear reading light	16/106	CD control module MP2
10/172	Reading light, third row of seats	16/107	MD control module MP1
10/173	Cargo compartment lighting, tailgate	16/108	Multimedia module (MMM)
		16/110	Antenna control module (ATM)
11A/no.	Main fuses in engine compartment fuse box	16/111	Socket, rear left headphones
11B/no.	Fuses in engine compartment fuse box	16/112	Socket, rear right headphones
11C/no.	Fuses in passenger compartment fuse box		
11D/no.	Fuses in cargo compartment fuse box	17/13	Data link connector
11E/no.	Main fuses at battery	17/17	Jump start connection
		17/19	12V outlet, cargo compartment
15/30	Connecting rail to 15/31		
15/31	Engine compartment distribution box	18/4	Contact reel
16/1	Audio, V70	20/3-8	Spark plug and ignition coil
16/1	Infotainment Control Module (ICM), XC90	20/16	Capacitor
16/2	Amplifier	20/22-26	Glow plug
16/3	Right-hand front door speaker	20/27	Shunt, low beam CEM
16/4	Left-hand front door speaker	20/28	Shunt, parking light/tail light REM
16/5	Right-hand rear door speaker	20/29	Shunt, fog light REM
16/6	Left-hand rear door speaker	20/31	Shunt, brake light REM
16/10	Horn	20/32	Shunt, indicator CEM, left
16/11	Horn 2	20/33	Shunt, parking light/tail light REM
16/16	Window antenna amplifier, left	20/34	Shunt, indicator CEM, right
16/26	Central dashboard speaker	20/39	Shunt, cargo compartment 12V outlet
16/35	Alarm siren SCM		
16/45	Road Traffic Information (RTI)	31/no.	Ground connection
16/46	RTI display, V70		
16/46	Multimedia display, XC90	53/no.	Junction point
16/47	GPS antenna RTI		
16/50	Left-hand rear window antenna	54/no.	Connector
16/54	Right-hand rear window antenna		
16/55	Left-hand front tweeter	A1	Connecting rail to 15/31
16/56	Right-hand front tweeter	C1-6	Connecting rails to 15/31
16/57	Speaker, left-hand D-pillar		
16/58	Speaker, right-hand D-pillar		

Cars with SRS (Airbag)/SIPS-bag/IC (Inflatable curtain)

Warning!

Vehicles equipped with SRS/SIPS bag/IC must be handled with extra care when making repairs. This avoids:

1. Personal injuries when performing repair work.
2. Damage or malfunction of the SRS/SIPS bag/IC system.

Work involving the SRS/SIPS bag/IC systems or other components in the vehicle that may affect the SRS/SIPS bag/IC systems must always be performed by an authorized Volvo work-shop.

In case of doubt, consult the SRS and SIPS bag/IC service manual.

Is the vehicle equipped with SRS/SIPS bag/IC?

Vehicles with SRS are most easily recognized by the letters SRS in the center of the steering wheel. If the vehicle also has a passenger side airbag, the letters SRS are stamped on the dashboard above the glove compartment. SRS vehicles from 1993 and onward also have explosive seat belt tensioners. SIPS bags are only installed on SRS vehicles from 1995 and onward. SIPS bag decals are located on the windshield and seat compartment. Vehicles with IC can be recognized by the letters IC on the C/D panel (4 door) or the B panel (5 door).

General recommendations

- Be especially careful when working on or around SRS, SIPS, and IC components.
- Make sure that no wires are pinched, frayed, or pierced.
- Never install accessories by the sensors.
- Where applicable, work on the steering wheel, steering shaft, or steering gear must be done in accordance with the methods in the SRS section of VADIS.
- Certain components of the aforementioned systems must be grounded while working. Read the appropriate sections in VADIS.
- Install no accessories in the areas between the A and B posts, the B and C posts, and the C and D posts.

Test terminal

Data link connector in the passenger compartment.

Changes introduced up to June 2002

Any changes made to the vehicles after this date are not included in the manual. If necessary refer to service bulletins.

Volvo models are sold in versions adapted for different markets. These adaptations depend on factors such as legal requirements, taxation, and market demands.

This manual may therefore include illustrations and text that do not apply to the vehicles in your country.