

Explanations

Abbreviations

Groups

Group 23	= Fuel system
Group 26	= Cooling system
Group 27	= Engine controls
Group 32	= Alternator 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 76	= Shock absorbers
Group 83	= Doors and openings
Group 84	= Exterior decorative elements, etc.
Group 85	= Interior equipment
Group 87	= Climate control system
Group 88	= Internal equipment

Ignition switch symbols

X	= Accessories (audio position)
S	= Powered upon insertion of key
15	= Contact 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

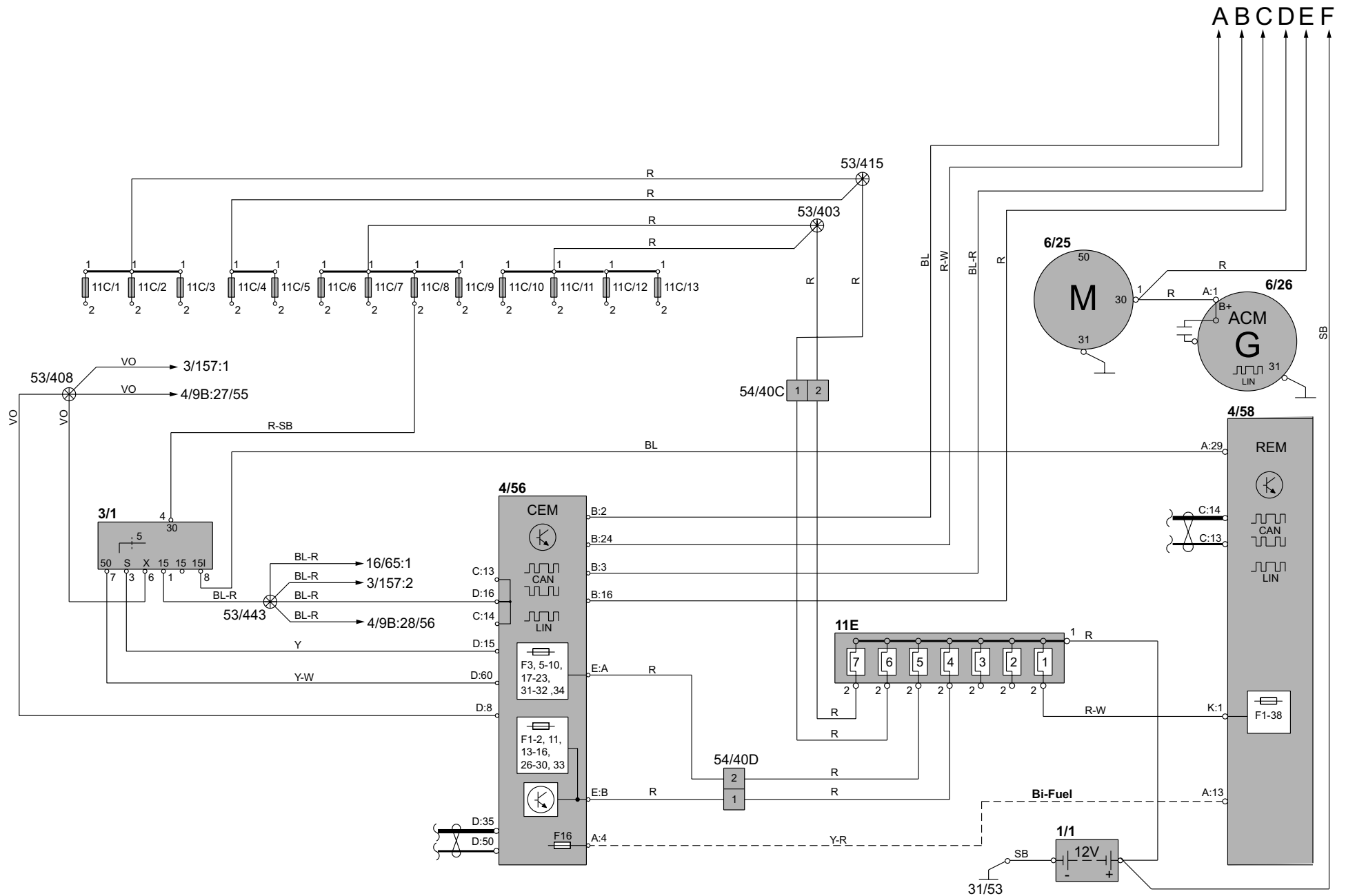
Other

ACC	= Accessory
AMP	= Amplifier
AUDIO	= Audio system
AUTO	= Automatic transmission
Bi-X	= Bi-Xenon
BLIS	= Blind spot information system
CEM	= Central Electronic Module
DRL	= Daytime Running Lights
DSTC	= Dynamic Stability Traction Control
ECC	= Electronic climate control system
ECPS	= Electronic power steering
EXC	= Exclusive
EXT. D	= Extended electrical distribution
HISPEED	= High speed data bus
I5D	= D5244 T4/T5/T6/T7
LH	= Left-hand side
LHD	= Left-hand drive
LOSPEED	= Low speed data bus
MAN	= Manual transmission
MCC	= Manual Climate Control
OPN	= Option (factory-installed)
PCL	= Power Child Lock
GASOLINE	= Gasoline
REM	= Rear Electronic Module
RH	= Right-hand side
RHD	= Right-hand drive
RTI	= Road Traffic Information
SRS	= Airbag
SUBWOOF	= Bass speaker
SULEV	= Super Ultra Low Emission Vehicle
SUM	= Suspension Module (SUM)
T	= Turbocharged engine
ULEV	= Ultra Low Emission Vehicle
W/O	= Without
5CYL	= 5-cylinder engine
6CYL	= 6-cylinder engine
8CYL	= 8-cylinder engine

Colors

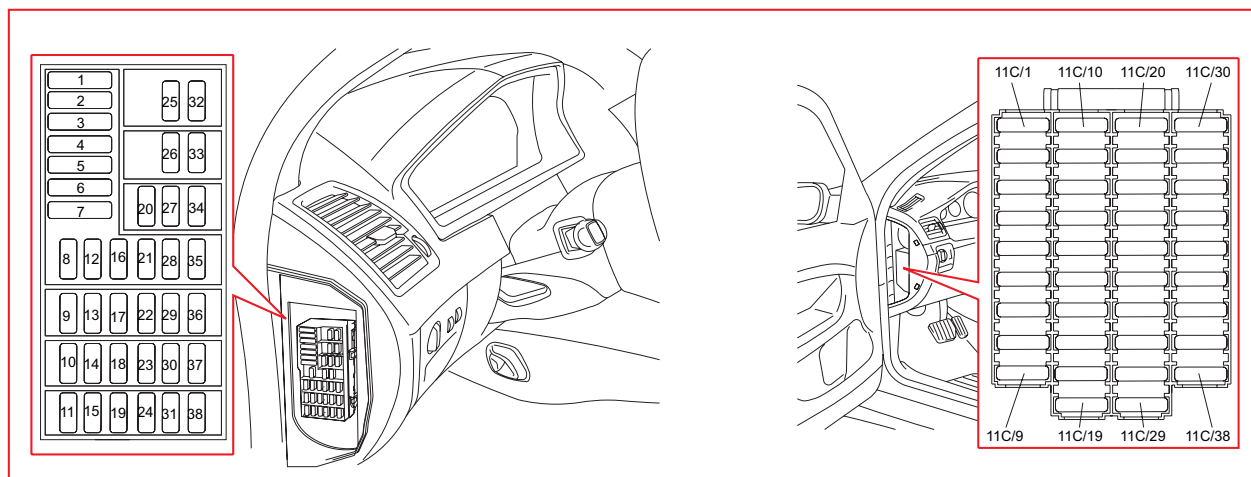
BL	= Blue
BN	= Brown
GN	= Green
GR	= Gray
LBL	= Light Blue
LGN	= Light Green
OR	= Orange
P	= Pink
R	= Red
SB	= Black
VO	= Violet
W	= White
Y	= Yellow

Electrical distribution, V70 2:2 Overview



Fuses

Passenger compartment 11C/12-14



11C Fuses in the passenger compartment

No.	Fuse function	via	A
12	16/46 RTI display, V70	-	10
	3/117 Ceiling light switch unit, XC90	4/70	
	4/33 Sun Roof Module (SRM), XC90	4/70	
	4/70 Upper Electronic Module (UEM), XC90	-	
	4/76 Remote controlled garage door opener, XC90	4/70	
	7/149 Rain Sensor Module (RSM), 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	4/70	
	10/172 Reading light, third row of seats, XC90	4/70	
13	16/60 Phone Module (PHM), V70	-	5
	6/15 Sunroof motor, XC90	4/33	15
14	16/60 Phone Module (PHM), XC90	-	5

Ground connections

31/70 - 31/73

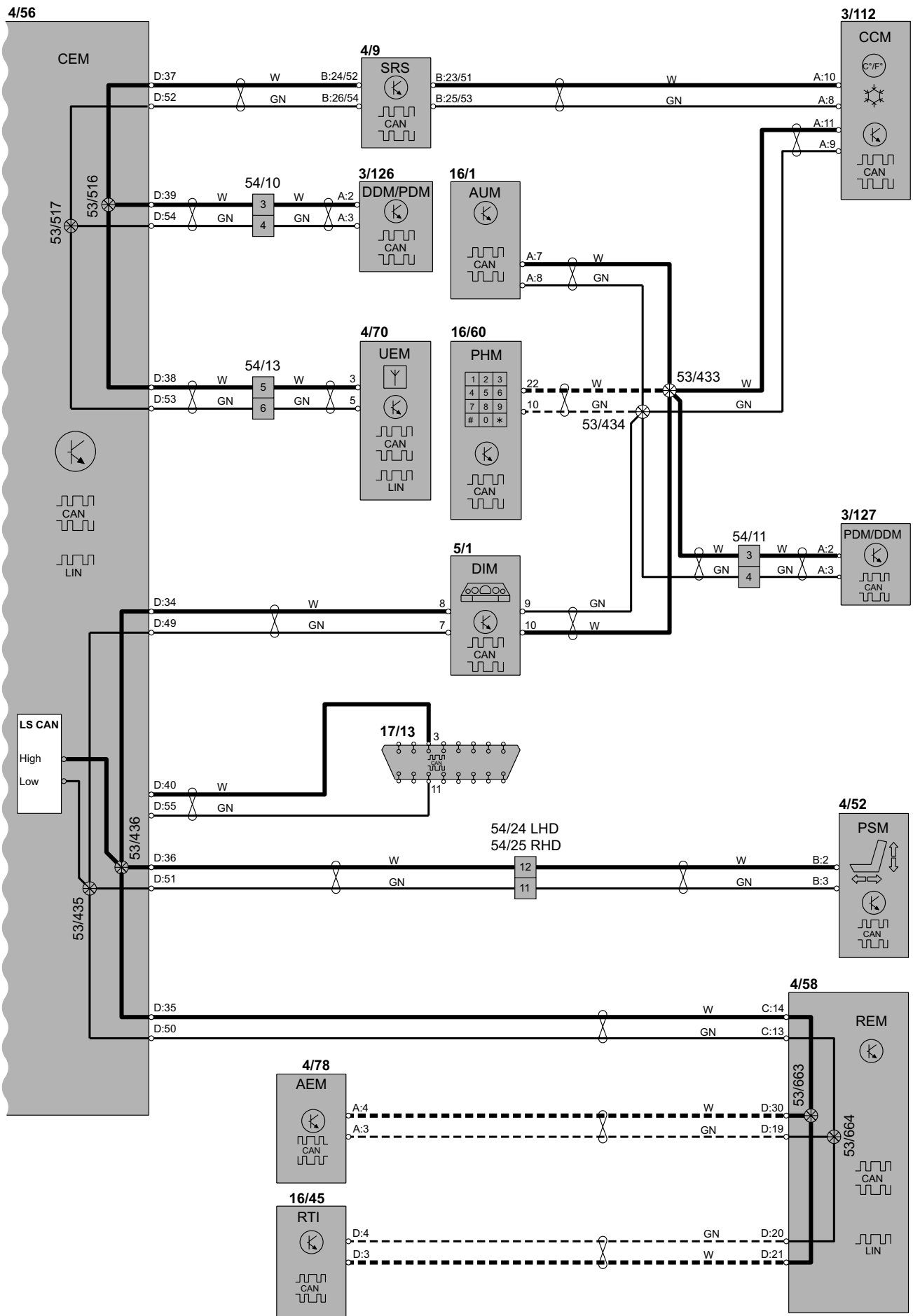
31/70	Left-hand side member, lower engine compartment
10/65	Auxiliary light, front right, accessories
10/69	FL auxiliary light, accessory

31/72	Cargo compartment
4/58	Rear Electronic Module (REM)
4/86	Parking Assistance Module (PAM)
6/32	Rear window wiper motor
6/76	Climate control system, rear XC90
7/100	Inclination Sensor Module (ISM)
7/137	Glass breakage sensor, tailgate, V70
8/66	Left-hand inflatable curtain igniter, XC90
9/2	Heated rear window
10/18	Lamp housing, rear left
16/15	CD-changer, accessory, V70
16/45	Road Traffic Information module (RTI), V70
16/149	MP3 player, accessory, V70

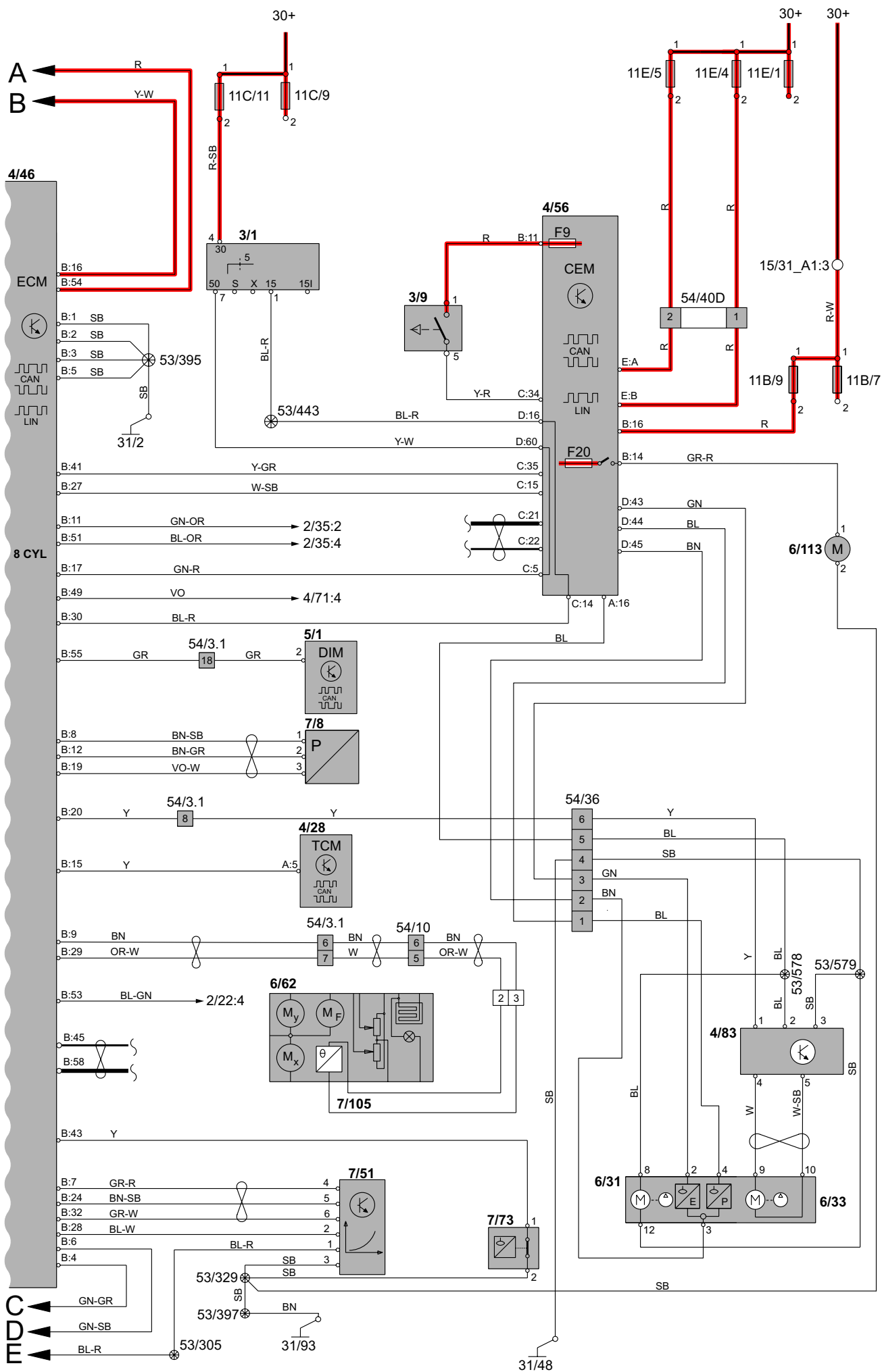
31/73	Rear seat riser, right-hand side
2/191	Relay, remote parking heater start, radio signal, accessory, V70
4/78	Accessory Electronic Module (AEM)
4/106	Control module, remote parking heater start, accessory, V70
8/85	Thermal switch and electric fuel filter heating, Diesel
8/88	Solenoid, fuel tank, Bi-Fuel, rear
8/89	Solenoid, fuel tank, Bi-Fuel, front left
8/90	Solenoid, fuel tank, Bi-Fuel, front right
10/17	Lamp housing, rear right
10/218	Indicator light, remote start, accessory, V70
16/79	Bass speaker, V70
16/79	Subwoofer Module (SUB), XC90
16/81	TV display, accessory, XC90
16/82	DVD player, accessory, XC90
17/19	12V outlet, cargo compartment
54/98	Connector, cable harness, rear seat entertainment, XC90

Control modules

Data communication low speed CAN V70

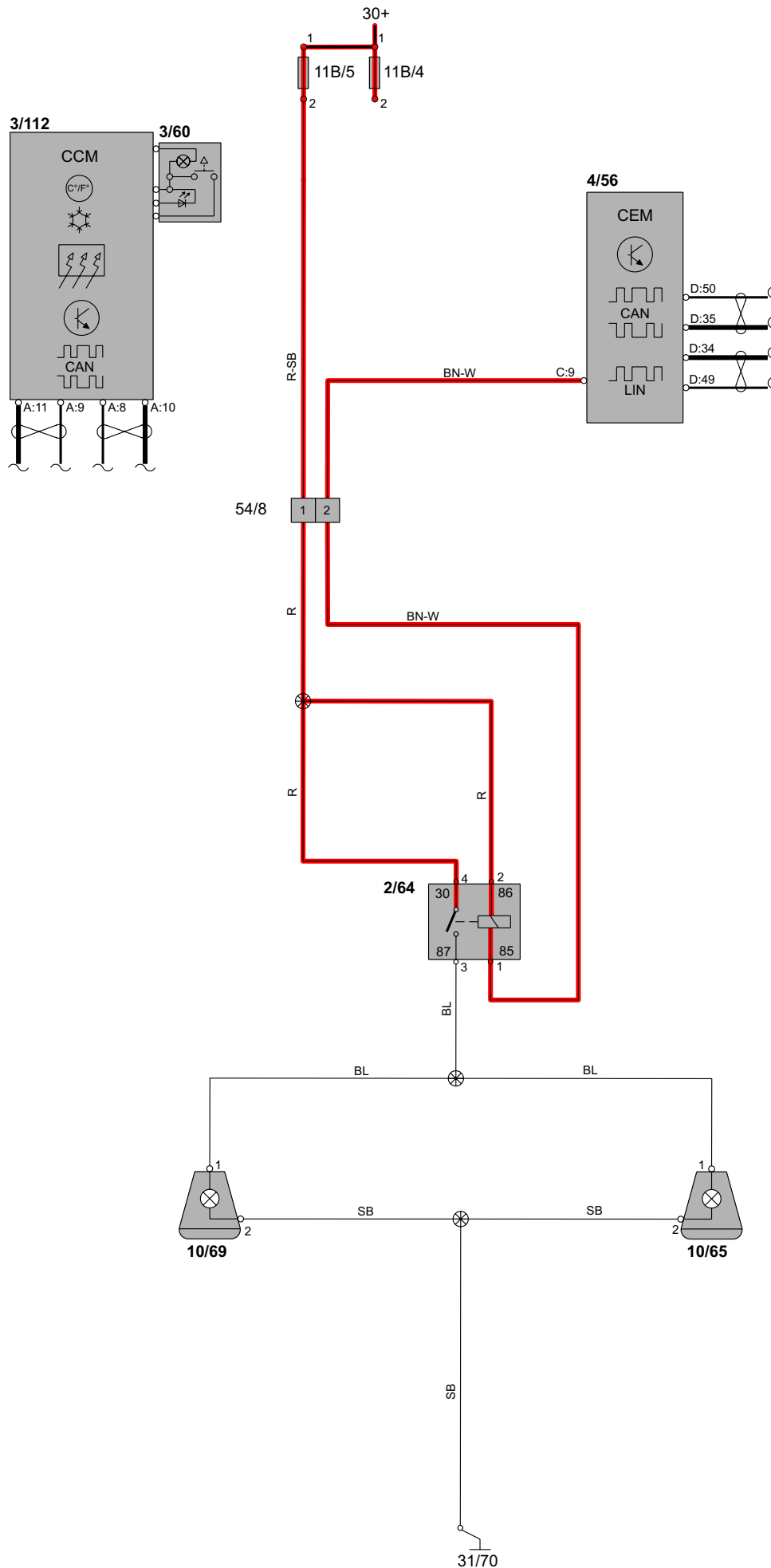


Engine management system, 8-cyl. 2:2



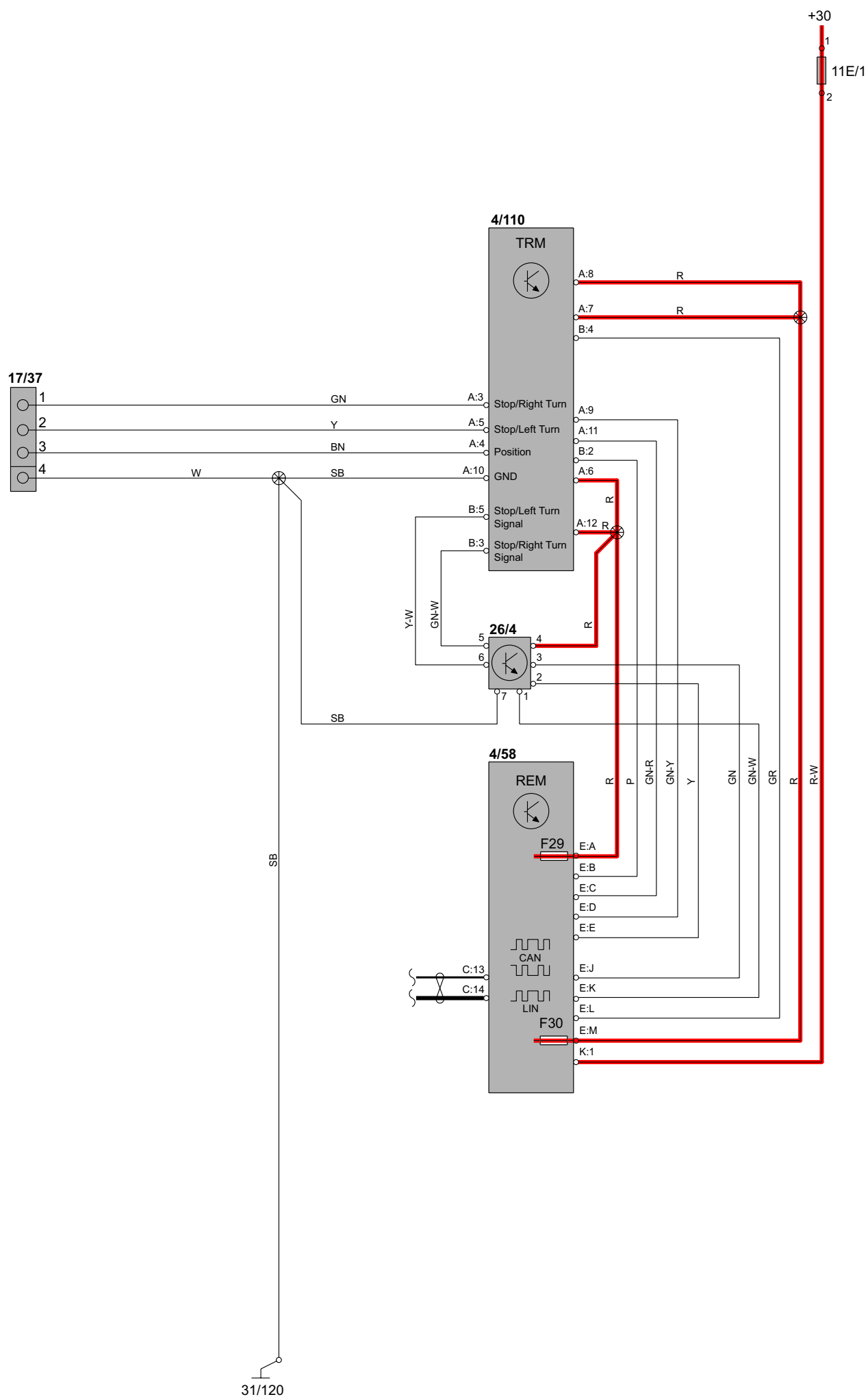
Group 35 Lighting, Accessories

Auxiliary lights

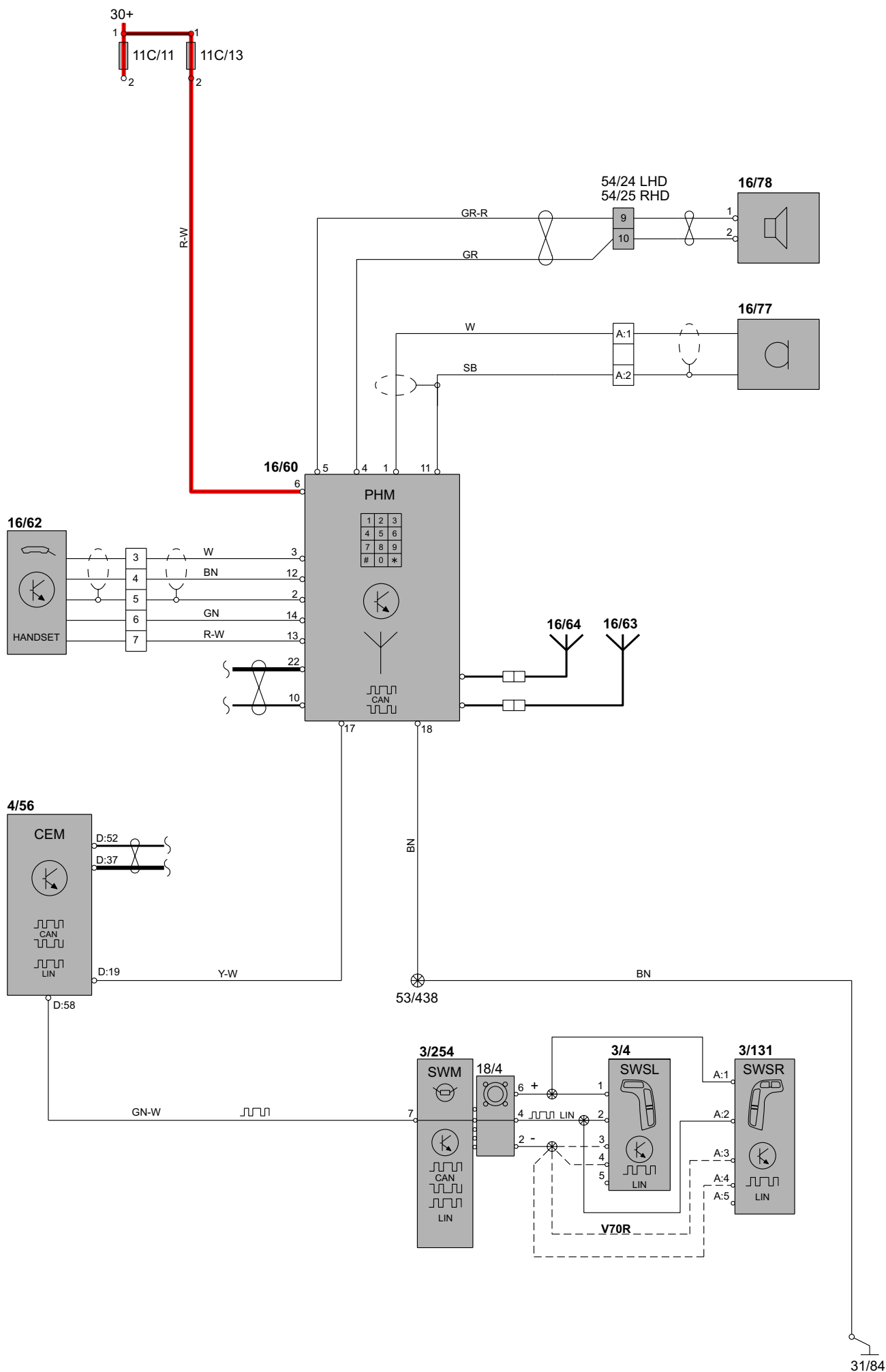


Group 37 Wiring and fuses

Tow hitch cable harness, 4-pin

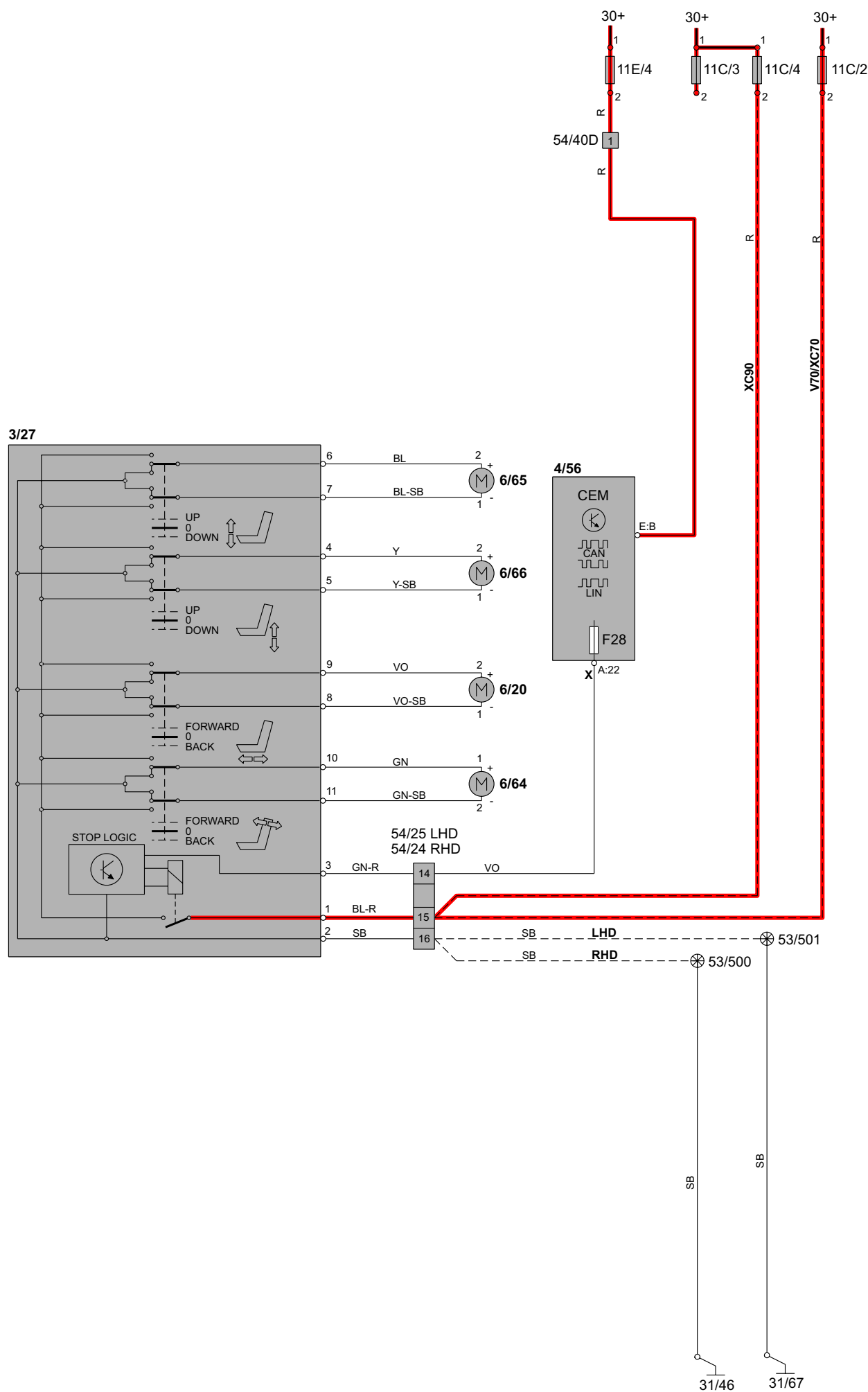


Group 39 Other Cellular phone V70



Group 85 Interior equipment

Power passenger seat



Connectors

54/16 - 54/20

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 Module (RSM)	GN
2	53/503	Branching point	BN	7/149:2	Rain Sensor Module (RSM)	BN
3	53/505	Branching point	VO-W	7/149:3	Rain Sensor Module (RSM)	VO-W
4	54/13:14	Connector	W	7/149:4	Rain Sensor Module (RSM)	W
5	-		-	-		-

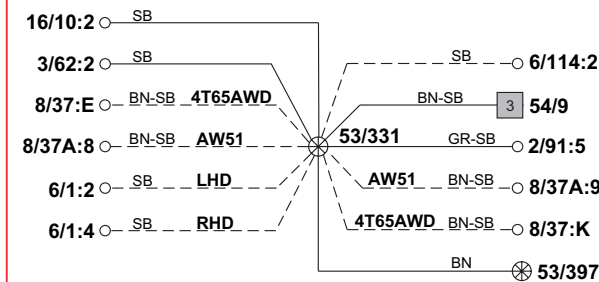
54/20

12-pin black

No.	Passenger compartment harness			Rear left door harness		
1	53/523	Branching point	GR-W	16/6:1	Speaker, left rear door	GR-W
2	53/524	Branching point	GR	16/6:2	Speaker, left rear door	GR
3	4/58C:3	Rear Electronic Module (REM)	P	3/76:2	Lock unit, left rear door	P
4	4/58C:5	Rear Electronic Module (REM)	BL	3/76:5	Lock unit, left rear door	BL
5	4/58A:19	Rear Electronic Module (REM)	Y	3/85:1	Power window switch, left rear door	Y
6	4/58A:2	Rear Electronic Module (REM)	BL	3/85:3	Power window switch, left rear door	BL
7	4/58C:10	Rear Electronic Module (REM)	W	3/76:7	Lock unit, left rear door	W
8	4/58A:1	Rear Electronic Module (REM)	GN-BN	3/85:5	Power window switch, left rear door	GN-BN
9	4/58A:27	Rear Electronic Module (REM)	VO	2/138:1 3/76:8	Deadlock relay, left-hand rear door Lock unit, left rear door	VO
10	4/58A:24	Rear Electronic Module (REM)	GR	3/76:6	Lock unit, left rear door	GR
11	4/58A:23	Rear Electronic Module (REM)	Y	3/76:4	Lock unit, left rear door	Y
12	53/500	Branching point	SB	3/76:1 3/85:2	Lock unit, left rear door Power window switch, left rear door	SB

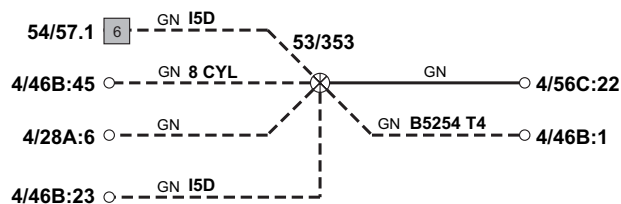
Branching points 53/331 XC90 - 53/360

53/331 XC90



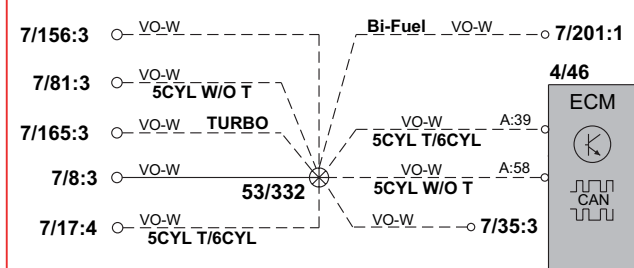
P20589_53-331_XC90

53/353



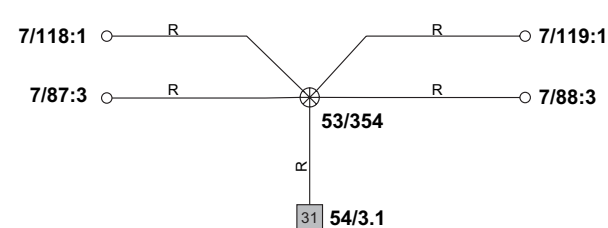
P20589_53-353

53/332



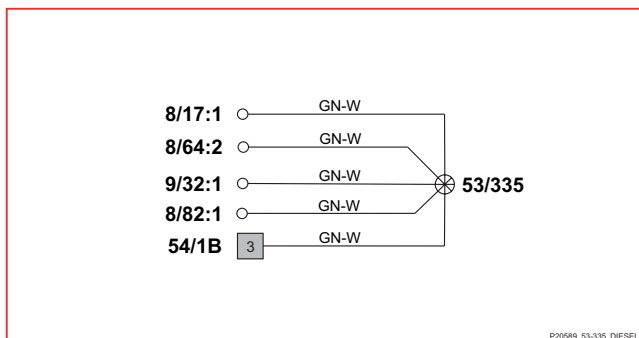
P20589_53-332

53/354



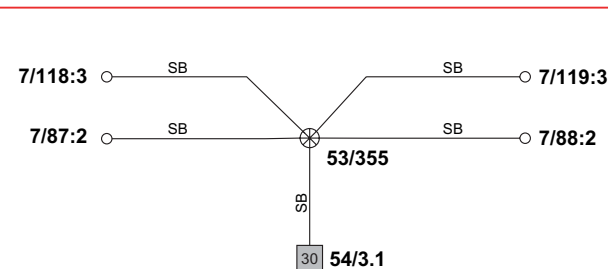
P20589_53-354_V70R

53/335



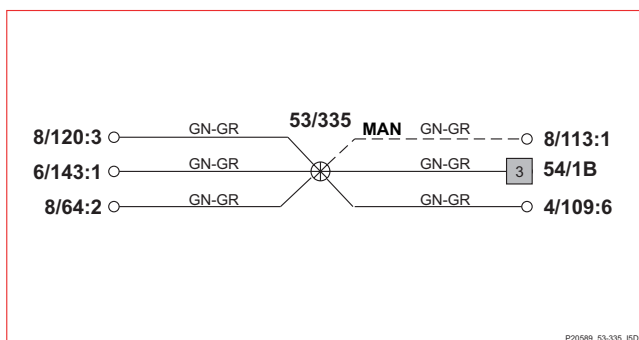
P20589_53-335_DIESEL

53/355



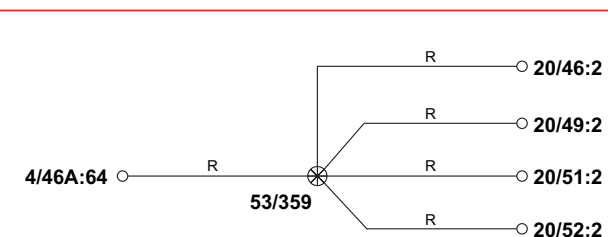
P20477_53-355_V70R

53/335 I5D



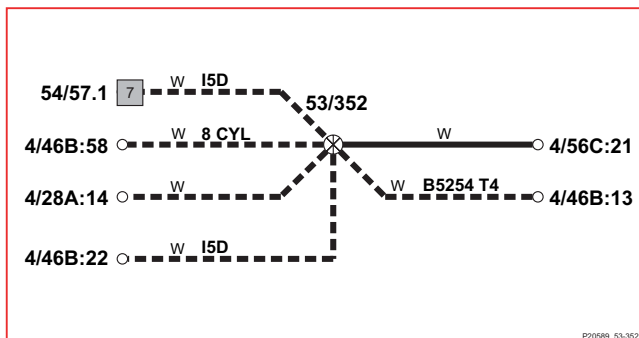
P20589_53-335_I5D

53/359



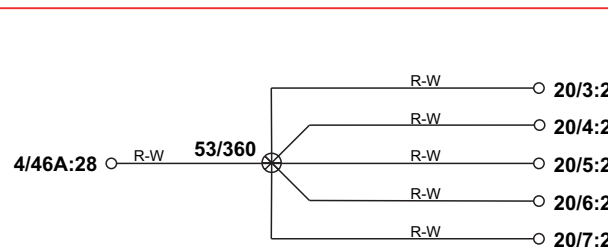
P20485_53-359

53/352



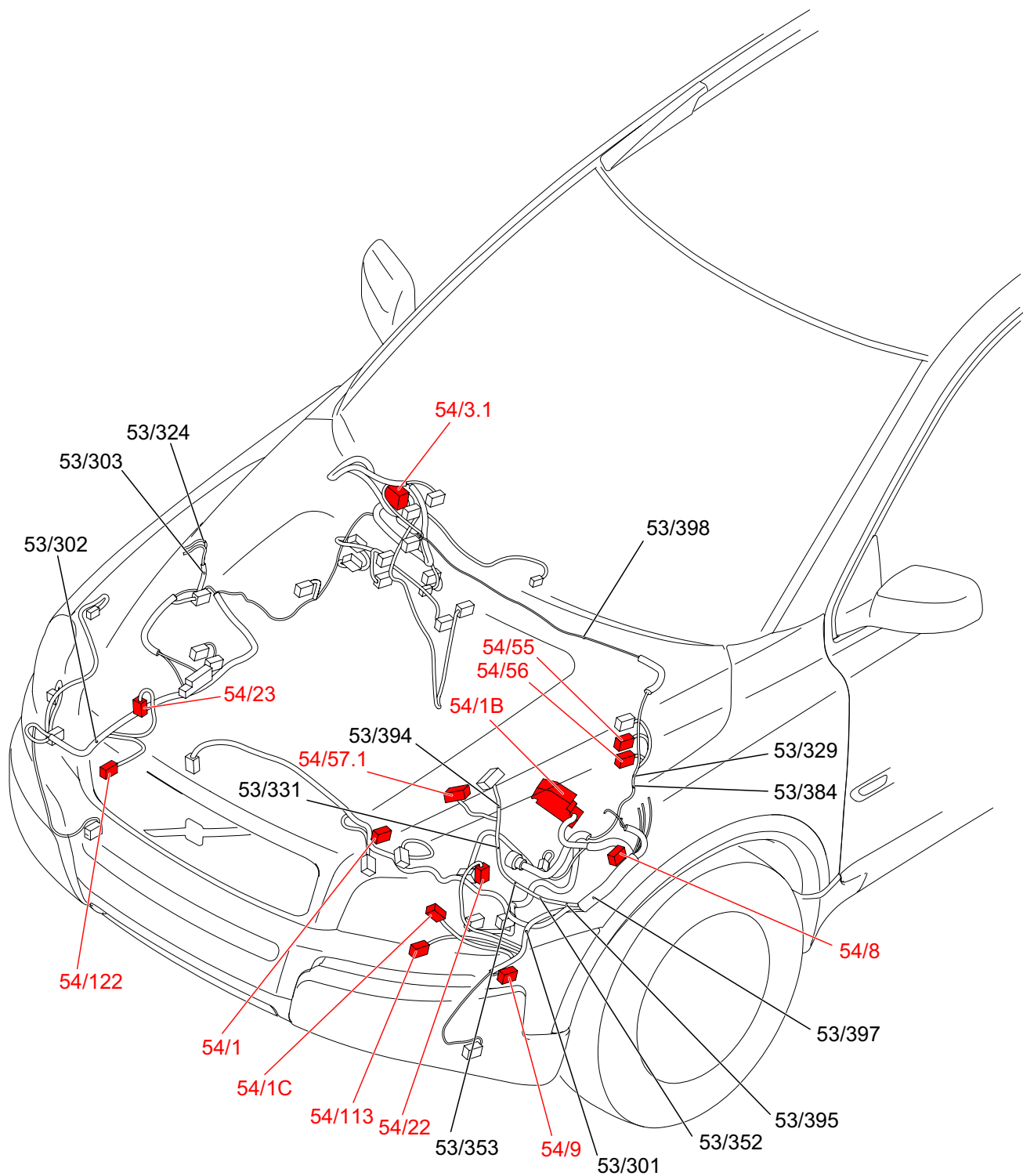
P20589_53-352

53/360

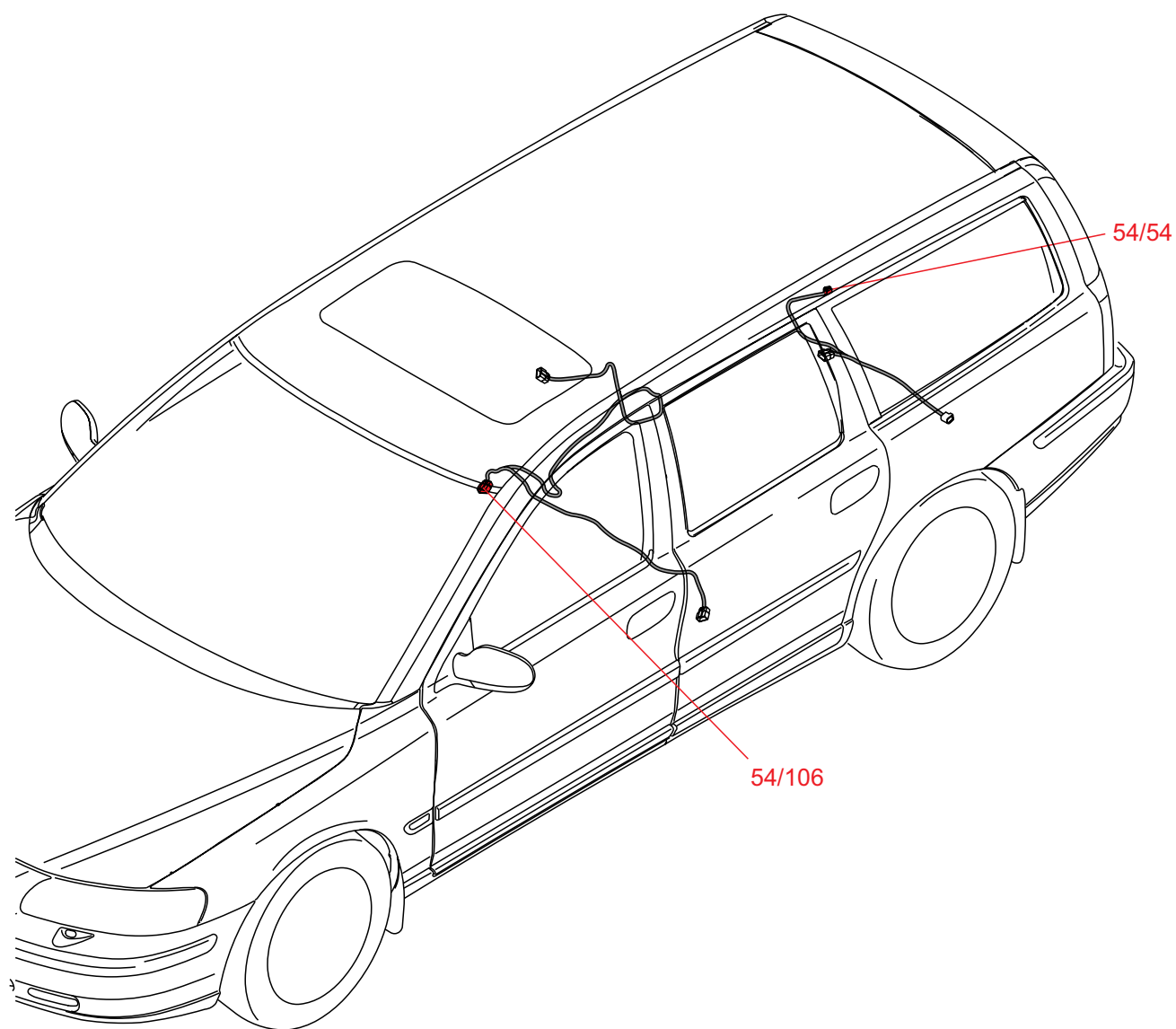


P20477_53-360_5CYL_WOT

Cable harness routine in vehicle **Engine compartment harness RHD, XC90**



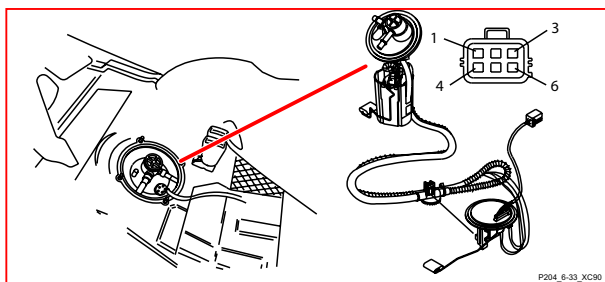
Cable harness routine in vehicle Bi-Fuel harnesses V70



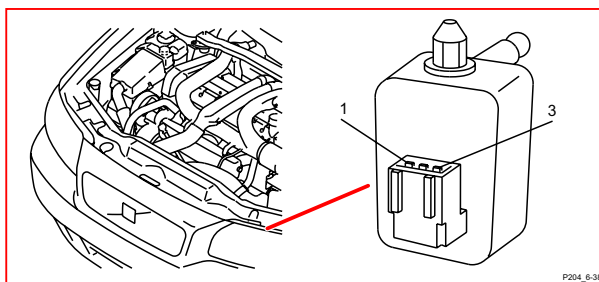
Component illustrations

6/33 XC90 - 6/48

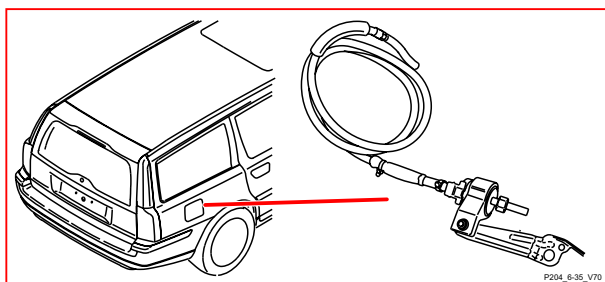
6/33 Fuel pump XC90



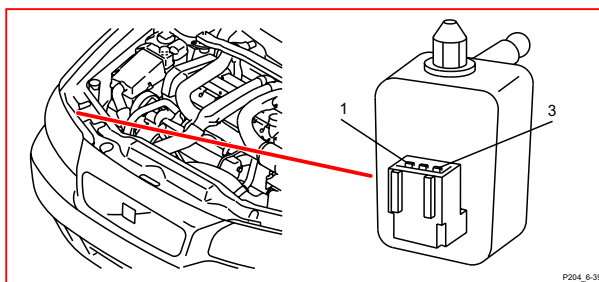
6/38 Motor, left headlight adjustment



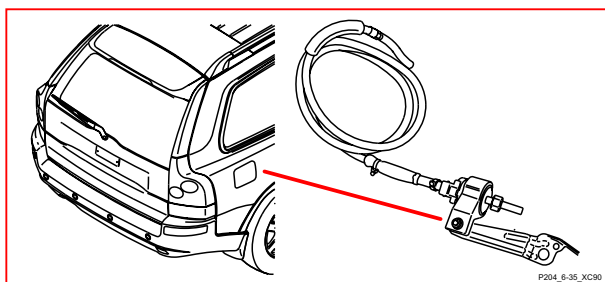
6/35 Fuel pump, auxiliary heater V70



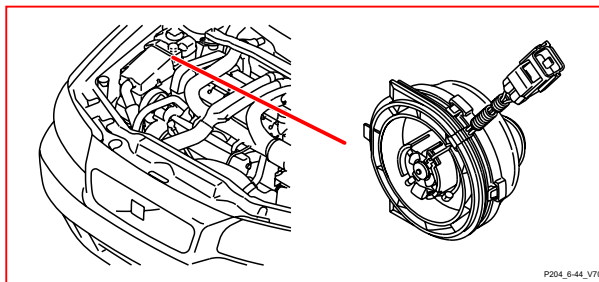
6/39 Motor, right headlight adjustment



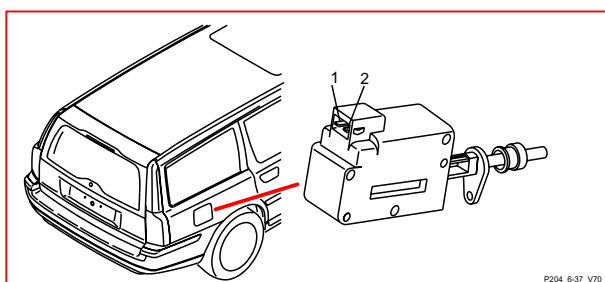
6/35 Fuel pump, auxiliary heater XC90



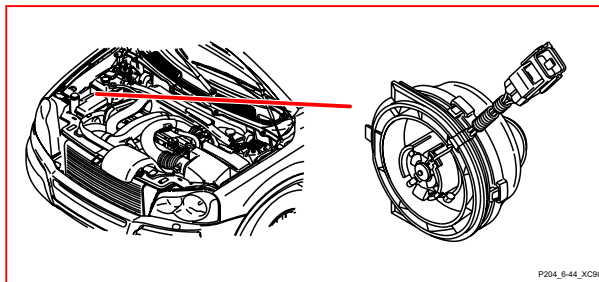
6/44 Cooling fan, electrics box, engine compartment V70



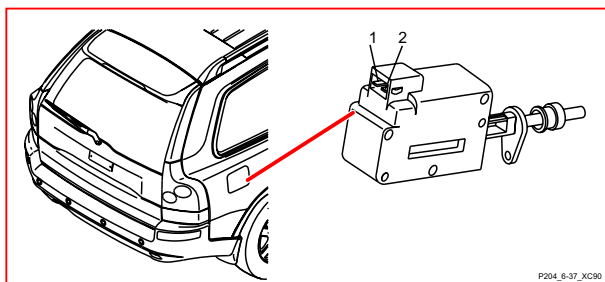
6/37 Lock motor, fuel filler flap V70



6/44 Cooling fan, electrics box, engine compartment XC90



6/37 Lock motor, fuel filler flap XC90



6/48 Damper Motor Module (DMM), recirculation

