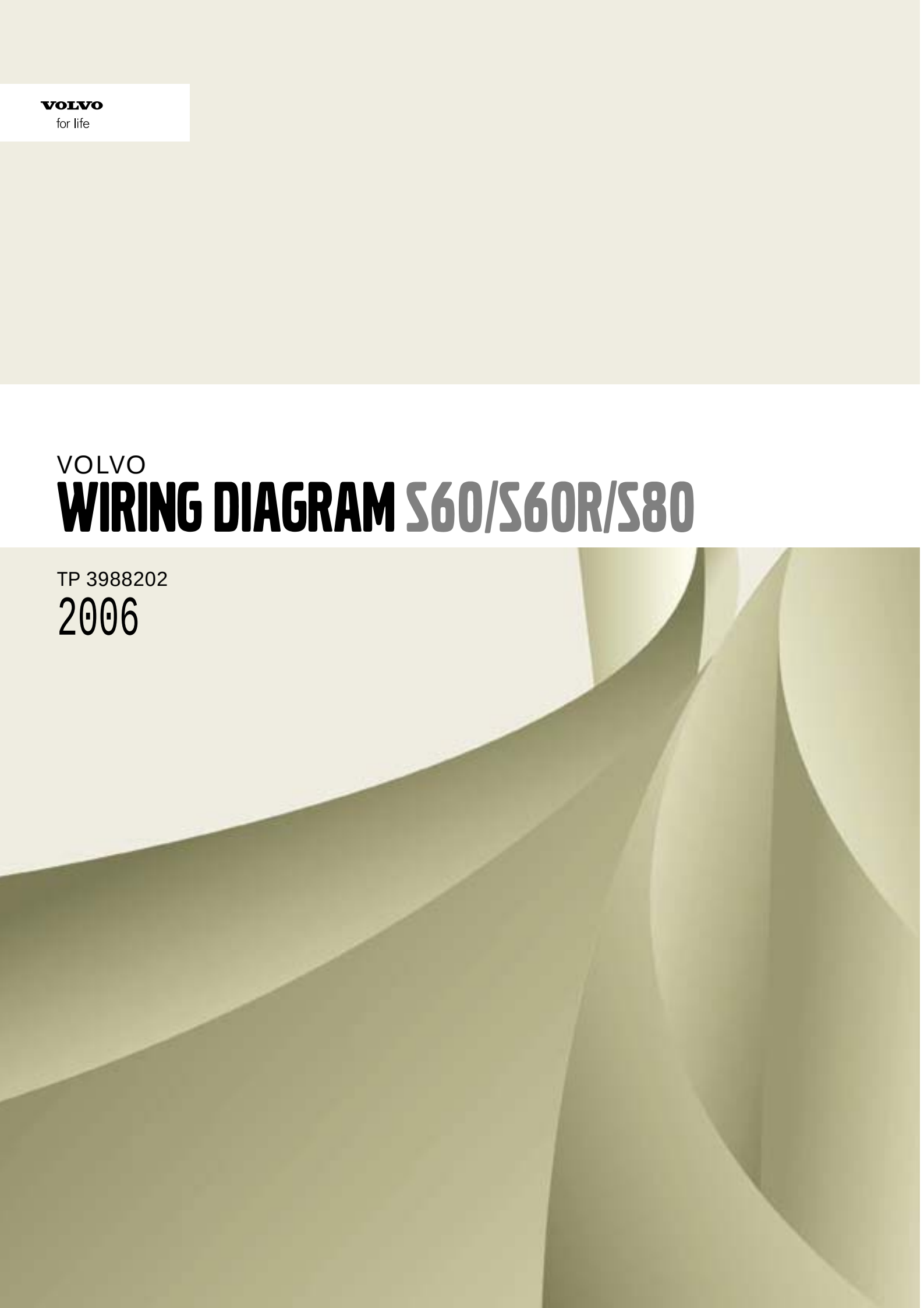


VOLVO
WIRING DIAGRAM S60/S60R/S80

TP 3988202
2006



Vehicles with SRS (Airbag)/SIPS bag/ IC (Inflatable curtain)

Warning!

Extra caution must be exercised when working on vehicles equipped with SRS/SIPS bag/IC in order to avoid:

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 workshop.

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 fit 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 VIDA.
- Certain components of the aforementioned systems must be grounded while working. Read the appropriate sections in VIDA.
- Do not install any accessories in the areas between the A and B-posts, the B and C-posts, and the C and D-posts.

Test terminal

Fuse in cargo compartment auxiliary fuse box

Changes introduced up to June 2005

Any changes made to the vehicle 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.

Order number TP 3988202

Replaces previous publication 3988201 at Electronic Wiring Diagram (EWD) TP 3991001. Also available at Electronic Wiring Diagram (EWD) TP 3991002

We retain the right to make modifications.

Table of Contents 1:2

Vehicles with SRS (Airbag)/SIPS bag/ IC (Inflatable curtain)	2
Abbreviations	5
How to use the wiring diagrams 1:2.....	6
Electrical distribution 1:2.....	8

Fuses

Engine compartment 11A/1-5.....	10
Engine compartment 11B/1-12	11
Engine compartment 11B/13-15.....	12
Engine compartment 11B/16-20.....	13
Passenger compartment 11C/1-6.....	14
Passenger compartment 11C/7-13.....	15
Battery 11E/1-7	16
Central Electronic Module (CEM) F1-F15.....	17
Central Electronic Module (CEM) F16-F34.....	18
Rear Electronic Module (REM) F1-F13	19
Rear Electronic Module (REM) F17-F38	20

Relays

Ignition switch and relays.....	21
Engine compartment FMA1 - FST3	22
Other relays	23

Ground connections

Overview.....	24
31/1 - 31/44	25
31/46 - 31/67	26
31/70 - 31/73	27
31/83 - 31/88	28
31/89 - 31/93	29
31/94 - 31/102	30
31/120	31

Control modules

Overview of locations.....	32
Overview of designations.....	33
Central Electronic Module (CEM) 1:2	34
Rear Electronic Module (REM) 1:2	36
Data communication low speed CAN 1:2	38
LIN data communication 1:2.....	40

Group 23 Fuel system

Engine management system, 5-cyl 1:2.....	42
Engine management system, 5-cyl Turbo 1:2	44
Engine management system, 6-cyl 1:2.....	46
Engine management system, Bi-Fuel 1:2.....	48
Engine management system, Diesel 1:2	50
Engine management system, Diesel, I5D 1:3.....	52
Emission control, 5-cyl.....	55
Emission control, 5-cyl Turbo & 6-cyl	56

Group 26 Cooling system

Cooling fan	57
Cooling fan I5D	58

Group 27 Engine control

Cruise control.....	59
Cruise control, I5D	60

Group 32 Generator and voltage regulator

Power supply	61
--------------------	----

Group 33 Starting system

Starting system	62
-----------------------	----

Group 35 Lighting

High and low beam (Bi-Xenon) & daytime running lights S60	63
High and low beam (Bi-Xenon) & daytime running lights S80	64
High and low beam S80.....	65
Fog lights	66
Brake lights	67
Reversing lights	68
Running/parking lights, tail lights & license plate lighting S60	69
Running/parking lights, tail lights & license plate lighting S80	70
Home safe lighting	71
Interior lighting	72
Beam length adjustment	73
Auxiliary lights	74

Group 36 Additional electrical equipment

Rain sensor.....	75
Direction indicator and hazard warning flashers	76
Wiper/washer, windshield	77
Wiper/washer, headlights.....	78
High pressure headlight washer	79
Horn	80
Electronic immobilizer	81
Anti-theft alarm	82
Parking assistance.....	83
Accessory Electronic Module (AEM) 1:2.....	84

Group 37 Wiring and fuses

Diagnostics system	86
12V outlet.....	87
12V outlet, cargo compartment.....	88
Towbar cable harness, 4-pin.....	89
Towbar cable harness, 7-pin.....	90
Towbar cable harness, 13-pin.....	91

Table of Contents 2:2

Group 38 Instruments

Seat belt reminder	92
Driver information module.....	93
Driver information module, I5D	94
Driver information module Bi-Fuel	95

Group 39 Other

Audio with auxiliary amplifier 1:2	96
Audio	98
Cellular phone.....	99
Road Traffic Information module (RTI)	100
Road Traffic Information (RTI) & CD changer	101
Turn-by-turn navigation system	102
Handsfree	103
Handsfree MAX	104
CD changer.....	105
MP3 player.....	106
Satellite radio	107
Audio adapter cable harness	108

Group 43 Transmission

Automatic transmission AW55-51SN/AW51 AWD	109
Automatic transmission 4T65EV.....	110
Automatic transmission TF-80SC AWD.....	111
Automatic transmission TF-80SC/TF-80SC AWD, I5D	112
Geartronic.....	113
Shift lock	114
Differential Electronic Module (DEM).....	115

Group 59 Brake system

Brake Control Module	116
----------------------------	-----

Group 64 Steering

Electronic power steering	117
---------------------------------	-----

Group 76 Shock absorbers

Four-C	118
--------------	-----

Group 83 Doors and openings

Central locking	119
Power windows.....	120
Power sunroof.....	121

Group 84 Exterior decorative elements etc.

Power door mirrors	122
Heated door mirrors.....	123

Heated rear window	124
Power door mirrors with camera function	125

Group 85 Interior equipment

Power driver's seat	126
Power passenger seat	127
Heated seats.....	128

Group 87 Climate control system

Relay, electric engine heater	129
Climate control system 1:2.....	130
Climate control system I5D 1:2	132
Parking heater, auxiliary heater	134
Parking heater, remote start	135
Parking heater, Call start	136
Short stop heater	137

Group 88 Internal equipment

Supplemental Restraint System (SRS).....	138
Electrically adjustable head restraint	139
Remote garage door opener.....	140

Connectors..... 141

Branching points161

Cable harness routing in vehicle

Engine harness, Gasoline.....	171
Engine harness, I5D	172
Engine harness, Diesel.....	173
Engine compartment harness, LHD.....	174
Engine compartment harness, RHD	175
Passenger compartment harness, LHD.....	176
Passenger compartment harness, RHD	177
Cargo compartment harness	178
Roof harness	179
Trunk lid/tailgate harness.....	180
Door harness	181
Bi-Fuel harness.....	182

Component illustrations 183

Index 1:2 234

List of components 1:6 236

Explanations

Abbreviations

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 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	= The switch remains connected during start
15I	= 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
CDCH	= CD Changer Under Shelf
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
LH	= Left-hand side
LHD	= Left-hand drive
LOSPEED	= Low speed data bus
I5D	= D5244 T4/T5/T6/T7
MAN	= Manual transmission
OPN	= Option (factory-installed)
PCL	= Power Child Lock
PETROL	= Gasoline
REM	= Rear Electronic Module
RH	= Right-hand side
RHD	= Right-hand drive
RTI	= Road Traffic Information
SRS	= Airbag
SULEV	= Super Ultra Low Emission Vehicle
SUBWOOF	= Bass speaker
T	= Turbo engine
ULEV	= Ultra Low Emission Vehicle
W/O	= Without
5CYL	= 5-cylinder engine
6CYL	= 6-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

How to use the wiring diagrams 1:2

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
26	Converter
27	Optics
31	Ground connection
53	Branching point
54	Connector

B. Branching points

The wiring diagrams contain numbered branching points, for example 53/352.

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

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

C. Connectors

Connectors provide a bridge between two cable 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 contain CAN and LIN networks that transfer information. Connections to these networks are not shown in their entirety in the respective wiring diagram. Complete information on CAN and LIN communication is found in the section "Control modules".

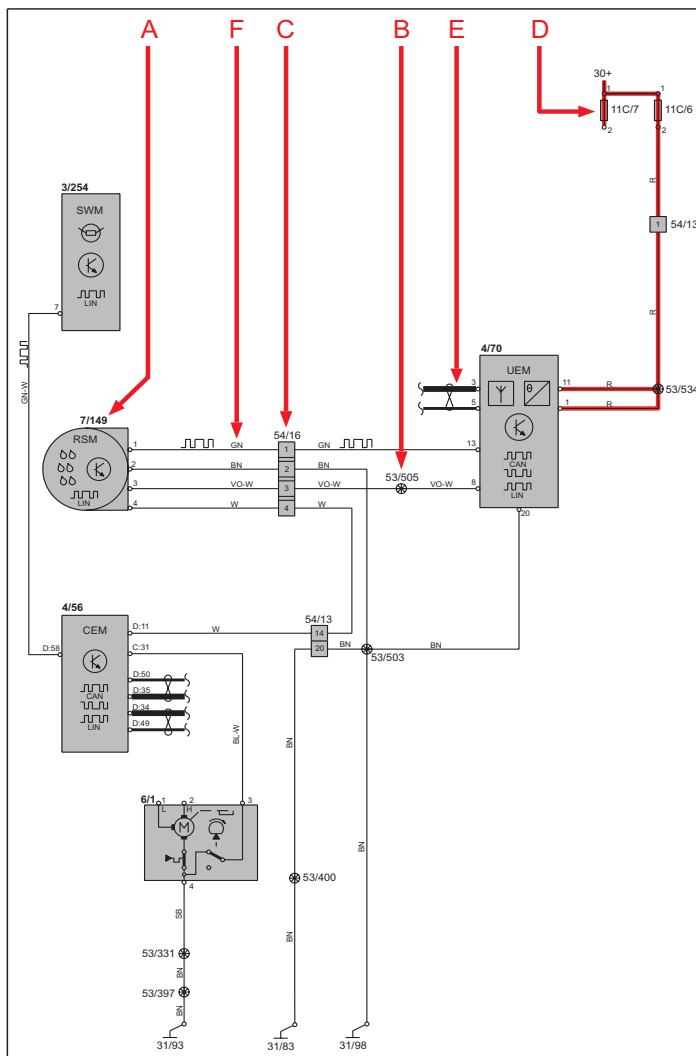
F. Abbreviations

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

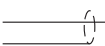
G. Component location

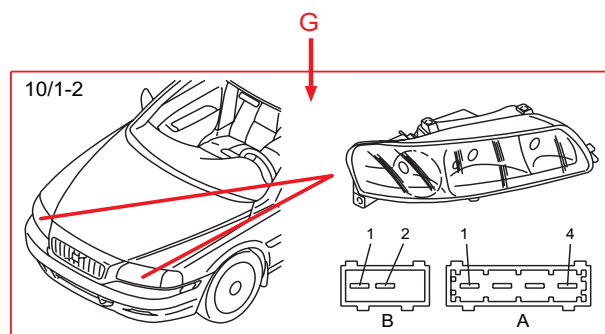
The end of the manual contains a section in which component appearance and location is described in numeric order. On the EWD disc, components are linked to the relevant diagram.

How to use the wiring diagrams 2:2



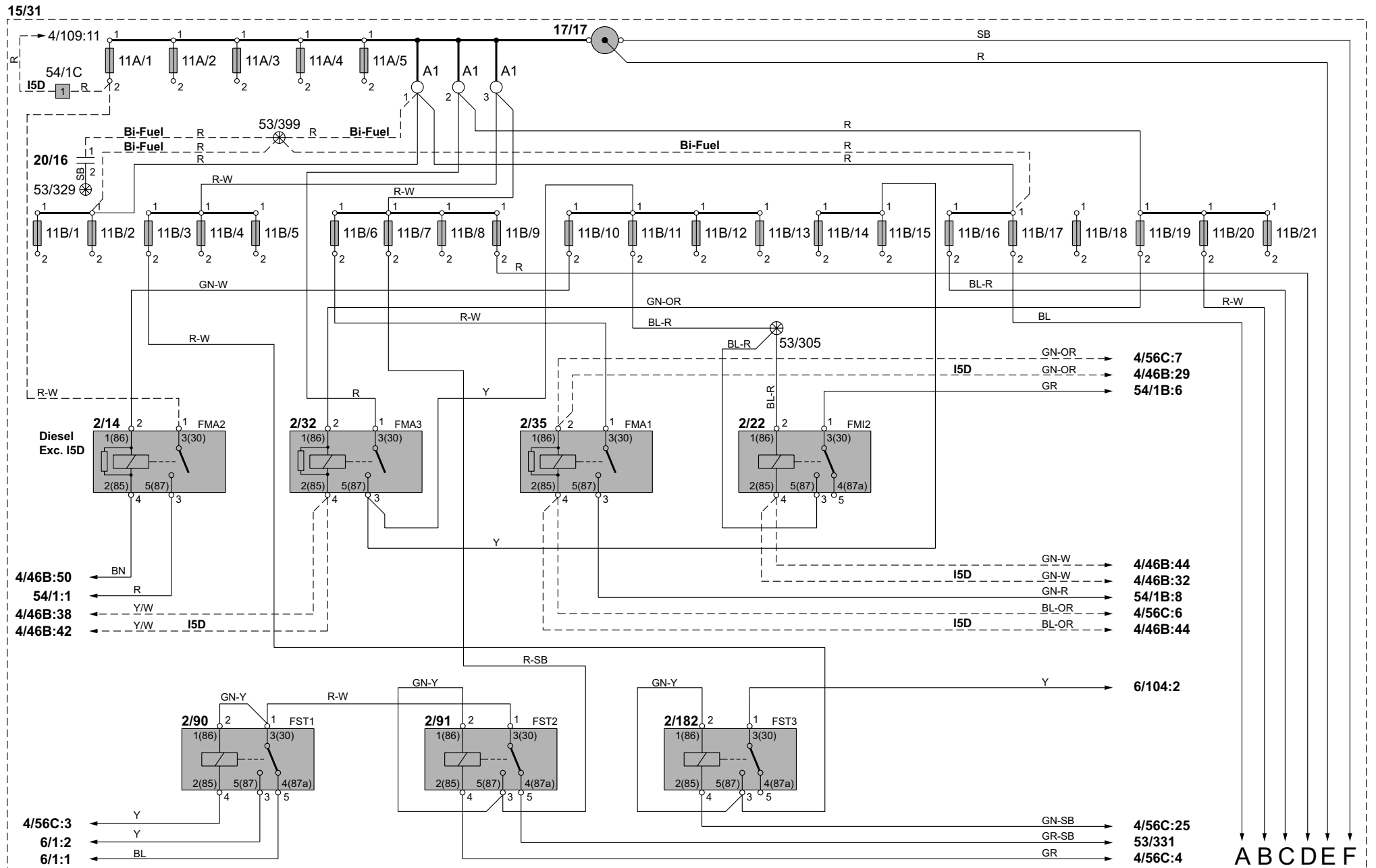
List of symbols

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

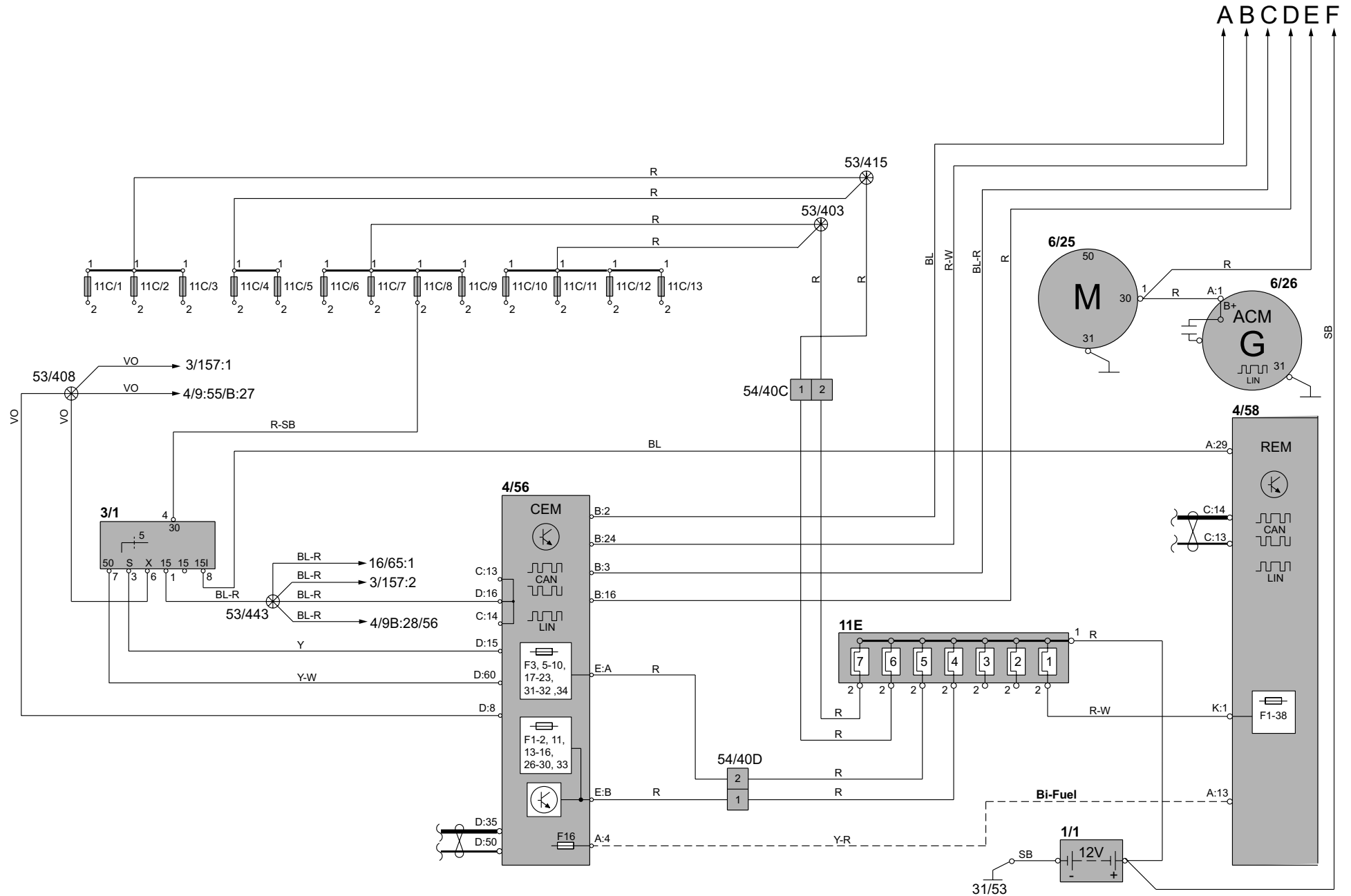


Electrical distribution 1:2

Overview

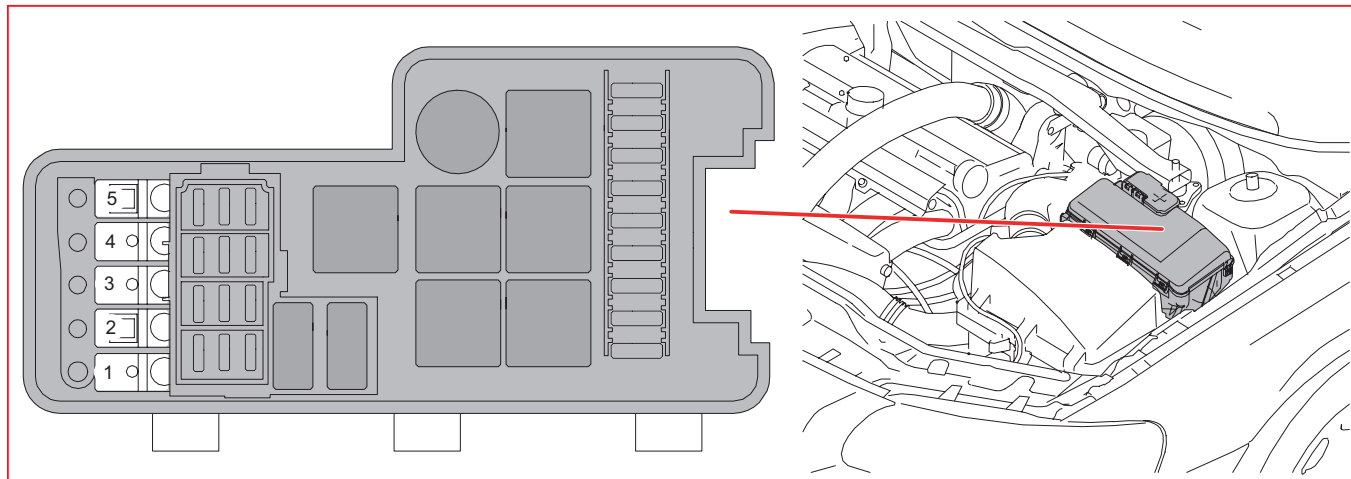


Electrical distribution 2:2 Overview



Fuses

Engine compartment 11A/1-5

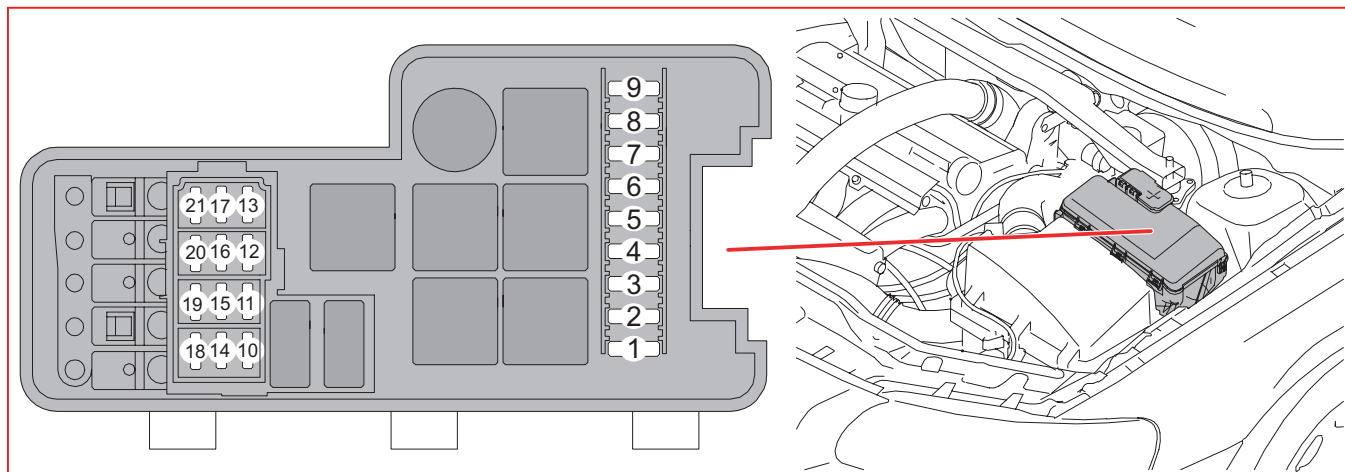


11A Fuses in the engine compartment

No.	Fuse function		via	A
1	4/109	Glow plug control module, I5D	-	60
	20/22-26	Glow plug	2/14	
	20/22-26	Glow plug, I5D	4/109	
2	6/29	Motor, cooling fan	4/71	60
3	-		-	-
4	-		-	-
5	-		-	-

Fuses

Engine compartment 11B/1-12

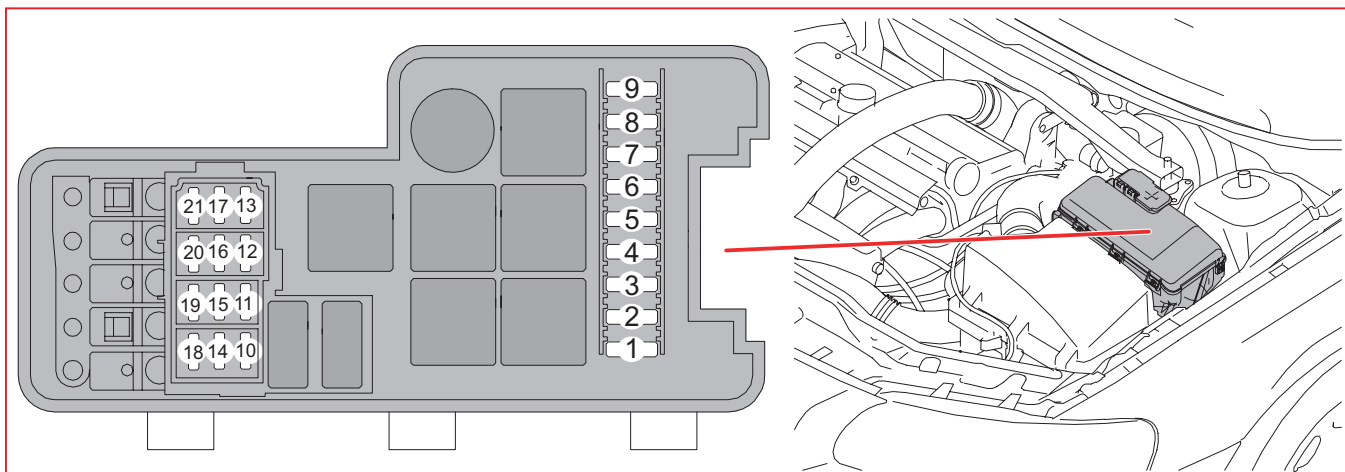


11B Fuses in the engine compartment

No.	Fuse function	via	A
1	4/16 Brake Control Module (BCM)	-	30
2	4/16 Brake Control Module (BCM)	-	30
3	6/104 High pressure headlight washer	2/182	35
4	6/35 Fuel pump, auxiliary heater 6/73 Coolant pump, auxiliary heater 9/30 Auxiliary heater	4/7 4/7 4/7	25
5	54/8 Connector cable harness extra lights, 30-feed	-	20
6	6/25 starter motor	2/35	35
7	2/90 Relay, windshield wiper, low/high speed 2/91 Relay, intermittent wiping 6/1 Windshield wiper motor	2/91 - 2/90, 2/91	25
8	4/28 Transmission Control Module (TCM), TF-80SC/TF-80SC AWD	-	15
9	4/83 Fuel pump control module 6/31 Feed pump, ejectors 6/33 Fuel pump	4/56 4/56 4/56	15
10	2/14 Relay, glow plug unit 4/46 Engine Control Module (ECM), Diesel, not I5D 8/6-10 Injectors, Diesel 8/111 High-pressure solenoid valve, not I5D 20/3-8 Spark plug and ignition coil	- - 4/46 - -	20
11	6/44 Cooling fan, electrics box, engine compartment 7/51 Accelerator pedal sensor 8/3 Electromagnetic clutch, climate control system	- - 2/22	10
12	7/17 Mass airflow sensor (MAF), Diesel	-	5
	4/46 Engine Control Module (ECM), Gasoline	-	15
	7/17 Mass airflow sensor (MAF), Gasoline	-	
	8/6-11 Injectors, Gasoline	-	
continues			

Fuses

Engine compartment 11B/13-15

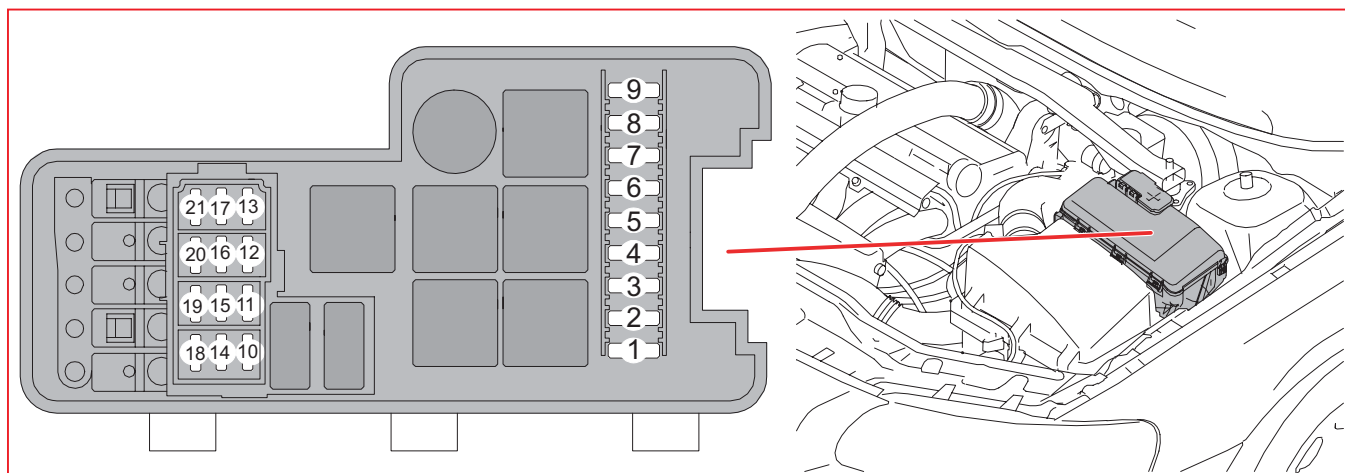


11B Fuses in the engine compartment

No.	Fuse function		via	A
13	4/46	Engine Control Module (ECM), 5-cyl. not turbo	-	10
	4/50	Electronic Throttle Module (ETM), Bi-Fuel	-	
	6/120	Throttle body motor, 5-cyl. no turbo	4/46	
	4/46	Engine Control Module (ECM), I5D	-	15
	6/118	Regulator motor, swirl throttle, I5D	4/46	
	6/120	Throttle body motor, I5D	4/46	
	8/98	Control valve, fuel pressure, I5D	4/46	
	8/111	High-pressure solenoid valve, I5D	4/46	
14	7//15	Heated oxygen sensor, I5D	-	10
	4/46	Engine Control Module (ECM), Bi-Fuel	-	20
	7//15	Heated oxygen sensor, front	-	
	7/82	Heated oxygen sensor, diagnosis 1	-	
	7/103	Heated oxygen sensor 3	-	
	7/104	Heated oxygen sensor 4	-	
	15	6/67	Pump, fuel leakage control	-
6/105		Fuel distributor gas, Bi-Fuel	-	
8/17		EGR valve, Diesel not I5D	-	
8/18		EVAP valve	-	
8/19		Solenoid, variable valve timing intake	-	
8/28		Turbo control valve	-	
8/64		Solenoid valve, engine pad, Diesel not I5D	-	
8/75		Valve, fuel cut-off DFCO	-	
8/81		Solenoid, variable valve timing exhaust	-	
8/82		Solenoid, variable turbo geometry, Diesel not I5D	-	
9/32		PTC resistor - air preheating	-	
4/109		Glow plug control module (GCU), I5D	-	15
6/143		Regulator motor, turbo, I5D	-	
8/64		Solenoid valve, engine pad, I5D	-	
8/113		Bypass valve, EGR cooling, I5D	-	
8/120		EGR valve, I5D	-	
continues				

Fuses

Engine compartment 11B/16-20

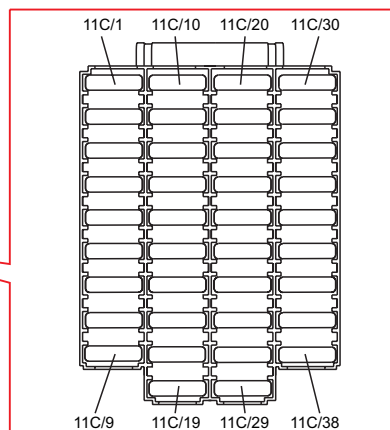
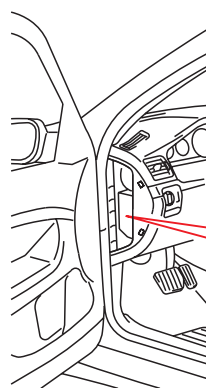


11B Fuses in the engine compartment

No.	Fuse function	via	A
16	10/1 Left front lamp housing, daytime running lights	4/56	20
	10/70 Left-hand low beam	4/56	
17	10/2 Right front lamp housing, daytime running lights	4/56	20
	10/66 Right-hand low beam	4/56	
19	2/32 Main relay, engine management system	-	5
	4/46 Engine Control Module (ECM)	-	
20	10/11 Front left running/parking light	4/56	15
	10/12 Front right running/parking light	4/56	
	10/71 Side running light, front left	4/56	
	10/73 Side running light, front right	4/56	

Fuses

Passenger compartment 11C/1-6

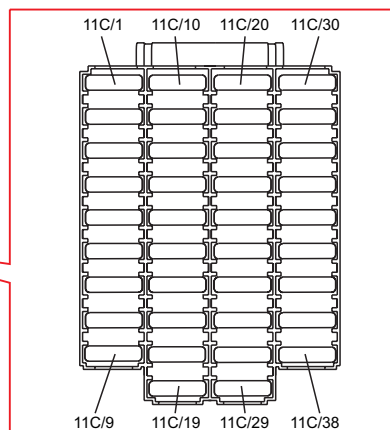
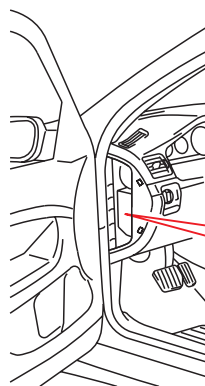


11C Fuses in the passenger compartment

No.	Fuse function		via	A
1	4/52	Power Seat Module (PSM)	-	25
	6/16	Driver seat motor, backrest angle	4/52	
	6/17	Driver seat motor, up/down front edge	4/52	
	6/18	Driver seat motor, up/down rear edge	4/52	
	6/19	Driver seat motor, forward/backward	4/52	
2	6/20	Passenger seat motor, forward/backward	3/27	25
	6/64	Passenger seat motor, backrest angle	3/27	
	6/65	Passenger seat motor, up/down front edge	3/27	
	6/66	Passenger seat motor, up/down rear edge	3/27	
3	6/28	Motor, passenger compartment fan	4/31	30
4	3/75	Right-hand front door lock unit	3/127	25
	3/127	Passenger/Driver Door Module (PDM)/(DDM)	-	
	6/60	Motor, front right power window	3/127	
	6/63	Right power door mirror	3/127	
	9/34	Right-hand heated door mirror	3/127	
	10/149	Right-hand rearview mirror lighting	3/127	
5	3/74	Left-hand front door lock unit	3/126	25
	3/126	Driver/Passenger Door Module (DDM)/(PDM)	-	
	6/58	Motor, front left power window	3/126	
	6/62	Left-hand power door mirror	3/126	
	9/33	Left-hand heated door mirror	3/126	
	10/148	Left-hand rearview mirror lighting	3/126	
6	3/117	Switch unit, dome light	4/70	10
	4/33	Sunroof Module (SRM)	4/70	
	4/70	Upper Electronic Module (UEM)	-	
	4/76	Remote control unit for garage door opener	4/70	
	7/149	Rain Sensor Module (RSM)	4/70	
	10/114	Left-hand vanity mirror lighting	4/70	
	10/115	Right-hand vanity mirror lighting	4/70	
	10/150	Rear reading light	4/70	
continues				

Fuses

Passenger compartment 11C/7-13

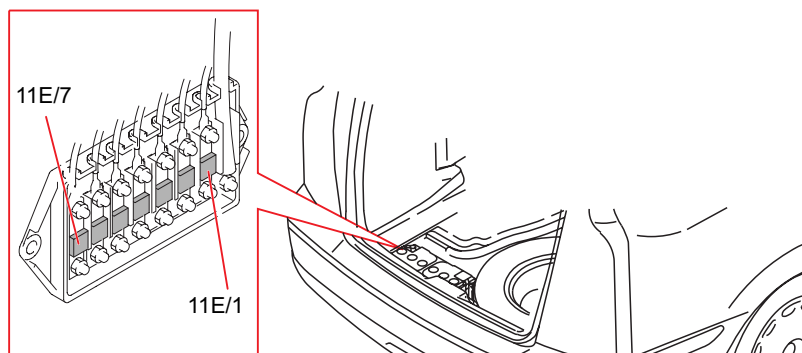


11C Fuses in the passenger compartment

No.	Fuse function	via	A
7	6/15 Sunroof motor	4/33	15
8	3/157 Passenger Airbag Cut Off Switch (PACOS) 4/9 Supplemental Restraint System (SRS) 4/28 Transmission Control Module (TCM) 4/46 Engine Control Module (ECM) 4/56 Central Electronic Module (CEM) 4/58 Rear Electronic Module (REM) 16/65 Antenna ring/ignition switch illumination	3/1 3/1 3/1, 4/56 3/1, 4/56 3/1 3/1 3/1	7.5
9	3/111 Light Switch Module (LSM) 3/254 Steering Wheel Module (SWM) 4/68 Steering Wheel Angle Sensor Module (SAS) 17/13 Data link connector	- - 3/254 -	5
10	16/1 Audio Module (AUM) 16/93 Control module, cellular telephone handsfree	- -	20
11	16/2 Amplifier	-	30
12	16/46 RTI display	-	10
13	16/60 Phone Module (PHM)	-	5

Fuses

Battery 11E/1-7

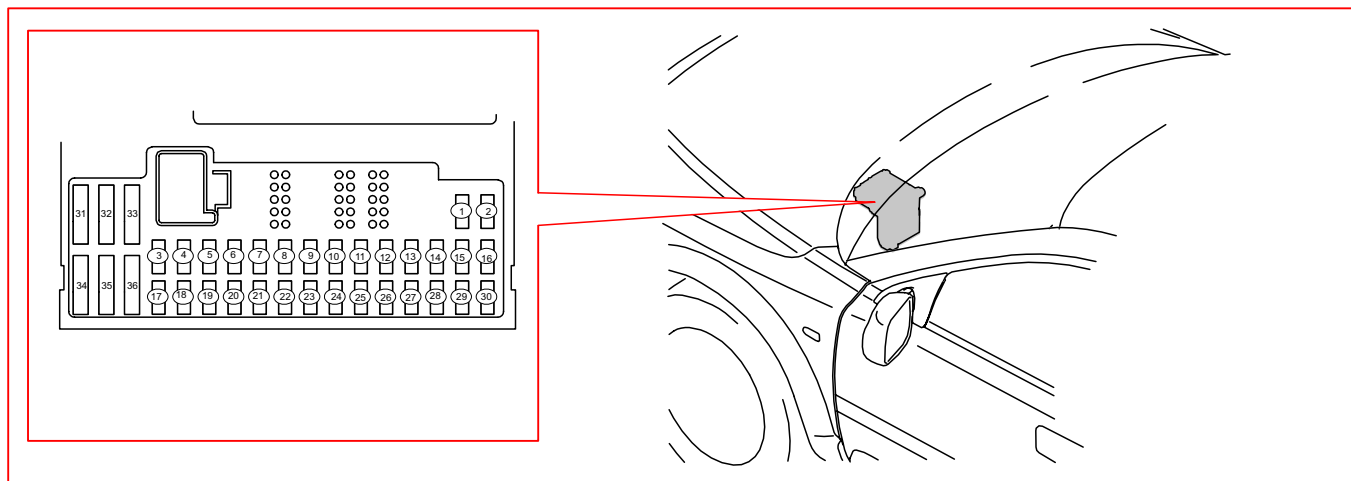


11E Fuses by the battery

No.	Fuse function	via	A
1	4/58 Rear Electronic Module (REM) Main fuse for: F1-F38	- -	60
4	4/56 Central Electronic Module (CEM) Main fuse for: F1-F2, F11, F13-F16, F26-F30, F33	- -	50
5	4/56 Central Electronic Module (CEM) Main fuse for: F3, F5-F10, F17-F23, F31-F32, F34	- -	50
6	11C/1-5 Fuses in passenger compartment fuse box	-	50
7	11C/6-13 Fuses in passenger compartment fuse box	-	50

Fuses

Central Electronic Module (CEM) F1-F15

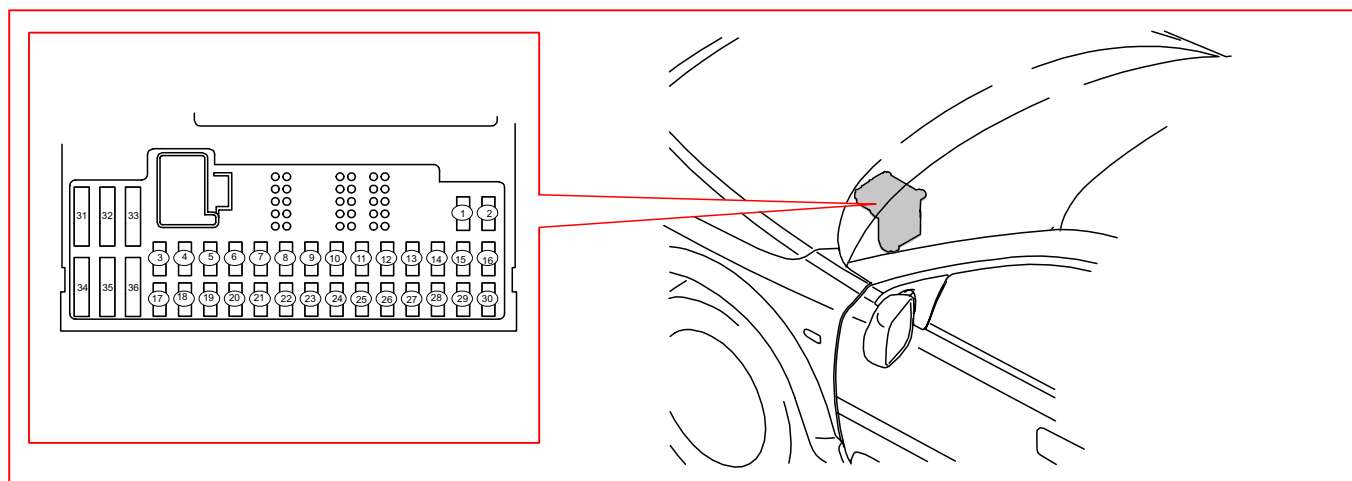


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F1	9/13 Seat Heating Module (SHM), right	-	15
F2	9/12 Seat Heating Module (SHM), left	-	15
F3	16/10 Horn 1 16/11 Horn 2	- -	15
F8	16/35 Siren Control Module (SCM)	-	5
F9	3/9 Brake light contact	-	5
F10	3/112 Climate Control Module (CCM) 4/7 Combustion Preheater Module (CPM) 4/52 Power Seat Module (PSM) 5/1 Driver Information Module (DIM) 6/48 Damper Motor Module (DMM), recirculation 6/69 Damper Motor Module (DMM) 6/95 Damper Motor Module (DMM), temperature, left side 6/96 Damper Motor Module (DMM), temperature, right side 6/102 Damper Motor Module (DMM), defroster 6/103 Damper Motor Module (DMM), floor/ventilation 7/93 Occupant Weight Sensor (OWS) 7/159 Air Quality Sensor (AQS)	- - - - - - - - - - - -	10
F11	9/1 Front 12V outlet 9/25 Rear 12V outlet	- -	15
F14	6/3 Right-hand headlight wiper motor, S80, S60R 6/4 Left-hand headlight wiper motor, S80, S60R	- -	15
F15	4/16 Brake Control Module (BCM)	-	5
continues			

Fuses

Central Electronic Module (CEM) F16-F34

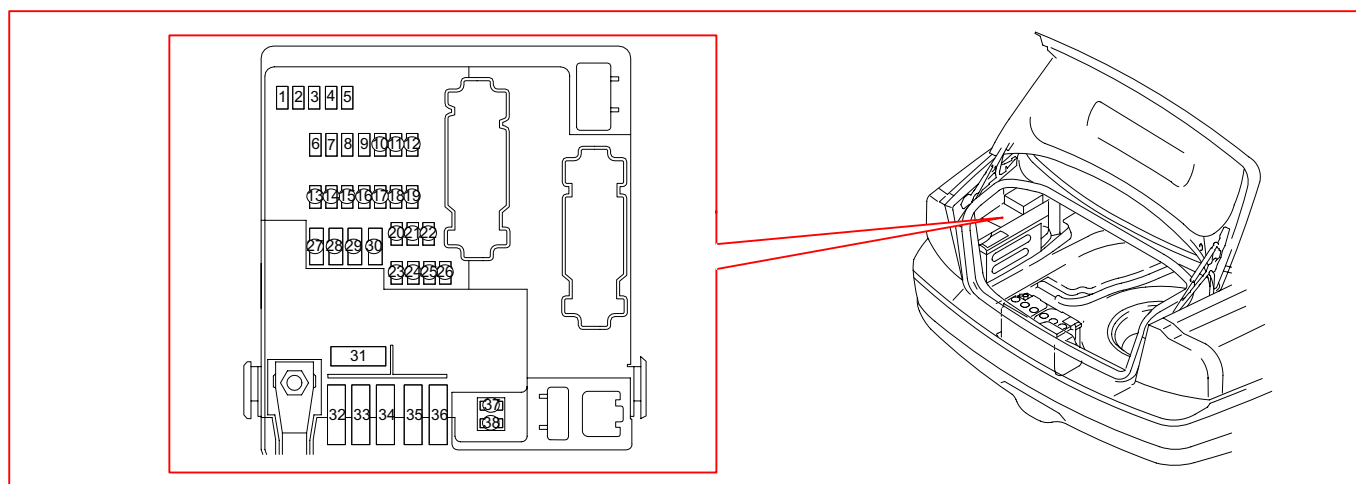


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F16	4/99 Electronic power steering control module	-	10
	6/38 Left-hand headlight level adjustment motor	-	
	6/39 Right-hand headlight adjustment motor	-	
	8/88 Rear solenoid, fuel tank, Bi-Fuel	4/58	
	8/89 Front left solenoid, fuel tank, Bi-Fuel	4/58	
	8/90 Front right solenoid, fuel tank, Bi-Fuel	4/58	
	10/1 Left front lamp housing, Bi-Xenon	-	
	10/2 Right front lamp housing, Bi-Xenon	-	
F17	10/5 Front left fog light	-	7.5
F18	10/6 Front right fog light	-	7.5
F21	3/156 Gear Selector Module (GSM)	-	10
	4/28 Transmission Control Module (TCM)	-	
	8/36 Shift lock solenoid	3/156	
	8/134 Solenoid, reverse interlock, manual	-	
F22	10/68 Left-hand high beam	-	10
F23	10/64 Right-hand high beam	-	10
F28	3/27 Switch unit, power passenger seat	-	5
	16/1 Audio Module (AUM)	-	
	16/46 RTI display	-	
	16/93 Control module, cellular telephone handsfree	-	
F30	27/3 Left Camera Module (LCM)	-	5
	27/4 Right-hand Camera Module (RCM)	-	
F33	6/114 Vacuum pump	8/84	20
F34	6/3 Right-hand headlight wiper motor	-	15
	6/4 Left-hand headlight wiper motor	-	
	6/127 Washer motor	-	

Fuses

Rear Electronic Module (REM) F1-F13

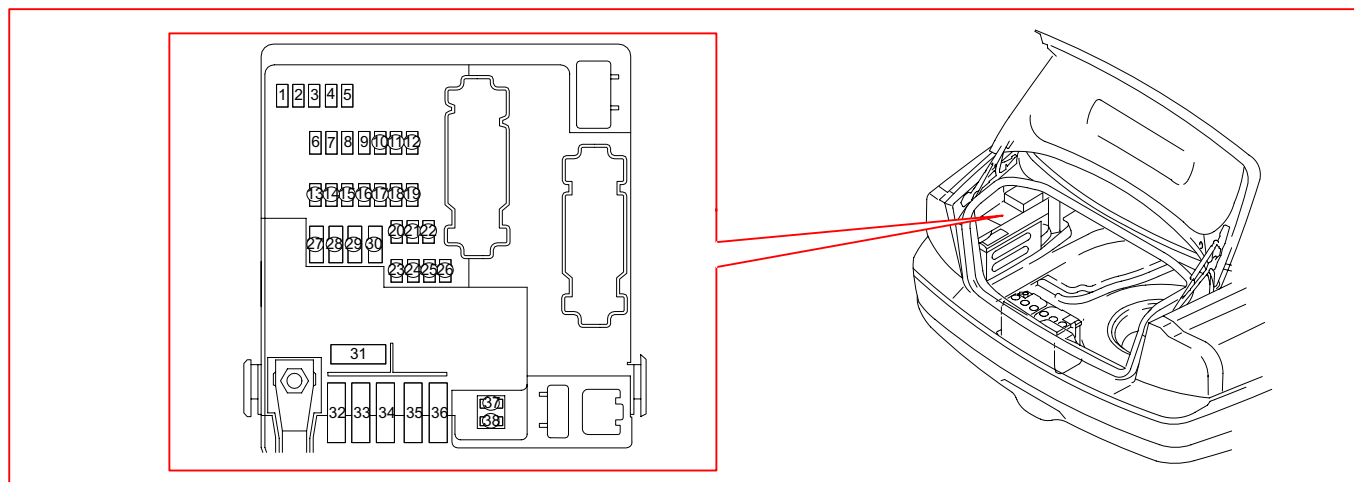


4/58 Rear Electronic Module (REM)

No.	Fuse function	via	A
F1	10/48 Right-hand reversing light	-	10
	10/55 Left-hand reversing light	-	
F2	10/3 License plate lighting	-	20
	10/19 Auxiliary brake light	-	
	10/42 Rear right running/parking light	-	
	10/44 Right-hand tail light lamp 1	-	
	10/46 Fog light, right rear	-	
	10/49 Rear left running/parking light	-	
	10/51 Left-hand tail light lamp 1	-	
	10/53 Fog light, left rear	-	
	10/127 Lighting, cargo compartment, left-hand side	-	
	10/128 Lighting, cargo compartment, right-hand side	-	
F3	4/78 Accessory Electronic Module (AEM)	-	15
	4/106 Control module, remote parking heater start	-	
F5	4/58 Rear Electronic Module (REM)	-	10
F6	16/15 CD changer	-	7.5
	16/36 TV receiver	-	
	16/45 Road Traffic Information module (RTI)	-	
	16/46 RTI display	-	
	16/149 MP3 player	-	
F7	2/238 Relay, audio disconnection	-	15
	16/45 Road Traffic Information module (RTI), Turn-by-turn	-	
	16/49 Traffic Message Channel module (TMC)	-	
	17/39 13-pin outlet, tow hitch cable harness	-	
F8	17/19 12V outlet, cargo compartment	-	15
F9	3/86 Rear right door power window switch	-	20
	6/93 Motor, rear right power window	3/86	
F10	3/85 Rear left door power window switch	-	20
	6/92 Motor, rear left power window	3/85	
F13	8/85 Thermostatic switch and fuel filter heating	-	15
continues			

Fuses

Rear Electronic Module (REM) F17-F38

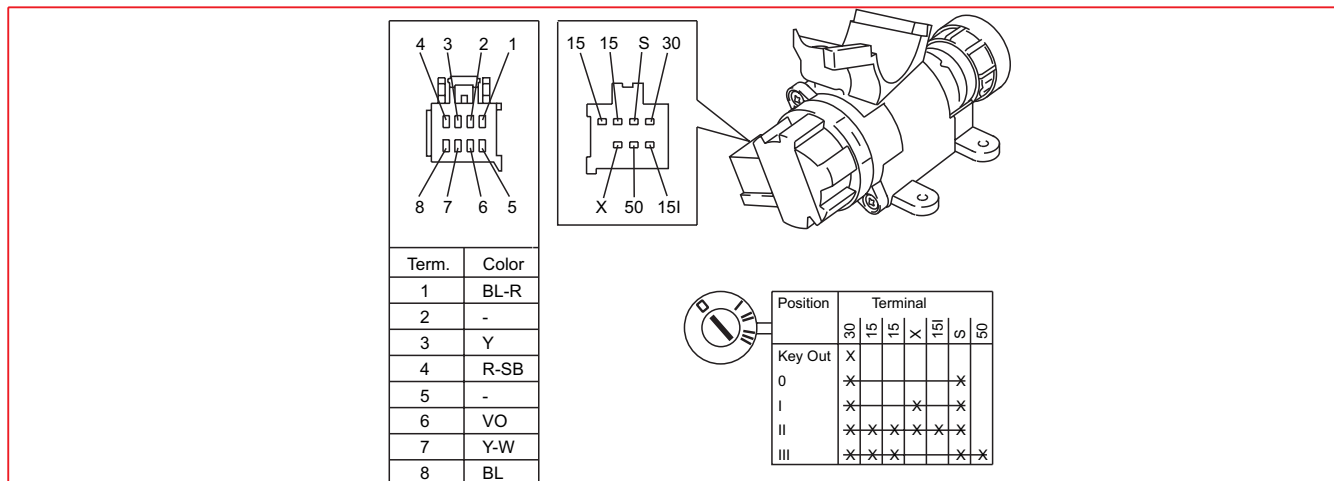


4/58 Rear Electronic Module (REM)

No.	Fuse function	via	A
F17	16/145 Satellite radio receiver	-	5
F19	8/59 Rear left head restraint solenoid	-	15
	8/60 Rear right head restraint solenoid	-	
F20	16/45 Road Traffic Information module (RTI), Turn-by-turn	-	20
	16/49 Traffic Message Channel module (TMC)	-	
	17/38 7-pin outlet, tow hitch cable harness	-	
	17/39 13-pin outlet, tow hitch cable harness	-	
F21	Spare	-	10
F23	4/82 Differential Electronic Module (DEM)	-	7.5
F24	4/84 Suspension Module (SUM)	-	15
F26	4/86 Parking Assistance Module (PAM)	-	5
F27	Main fuse for F20-F21, F23-F24 and F26	-	30
F28	3/76 Left-hand rear door lock unit	-	15
	3/77 Right-hand rear door lock unit	-	
	3/78 Trunk lid lock unit	-	
	6/37 Lock motor, fuel filler cover	-	
F29	4/110 Trailer Module (TRM)	-	25
	- running lights	-	
	- left-hand direction indicator	-	
	26/4 Converter, direction indicators & brake lights, USA	-	
	- running lights	-	
F30	4/110 Trailer Module (TRM)	-	25
	- brake lights	-	
	- fog lights	-	
	- right-hand direction indicator	-	
F31	Main fuse for F37-F38	-	40
F37	9/2 Heated rear window	16/16	20
F38	9/2 Heated rear window	16/16	20

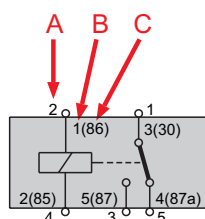
Relays

Ignition switch and relays



Relays, general

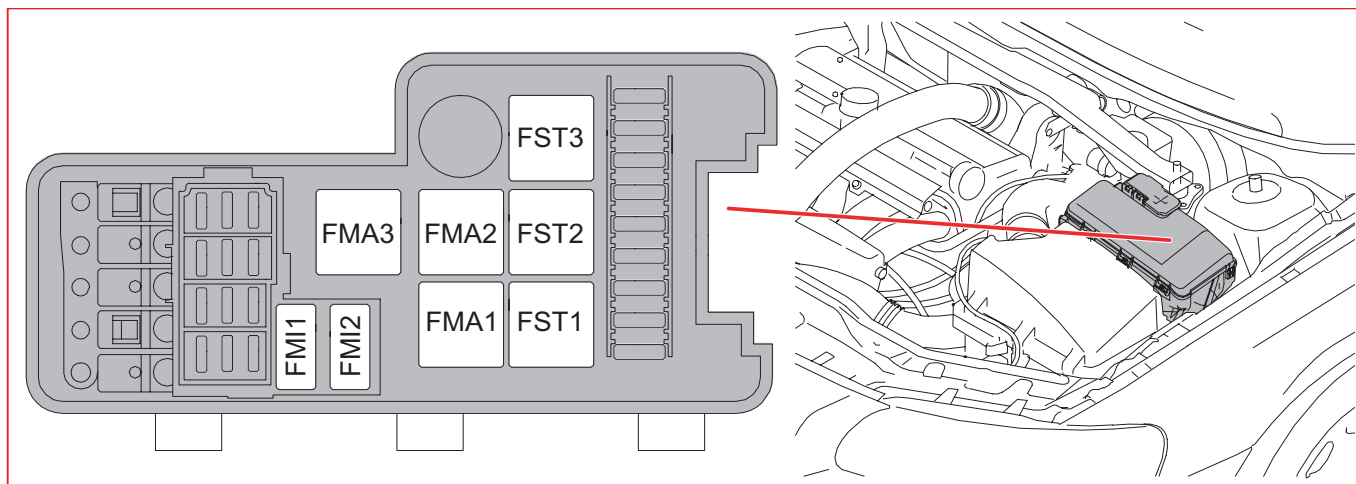
The diagram indicates two or three different designations for the relay's position. This is described below.



- A = Corresponds to the position on the back of the relay box (wiring side)
- B = Corresponds to the position on the relay
- C = An old designation that may be found on the relay

Relays

Engine compartment FMA1 - FST3



Relays in the engine compartment

Pos	Relay function	
FMA1	2/35	starter motor
FMA2	2/14	Relay, glow plug unit, not I5D
FMA3	2/32	Main relay, engine management system
FMI2	2/22	Relay, climate control system
FST1	2/90	Relay, windshield wiper, low/high speed
FST2	2/91	Relay, intermittent wiping
FST3	2/182	Relay, high pressure headlight washer motor

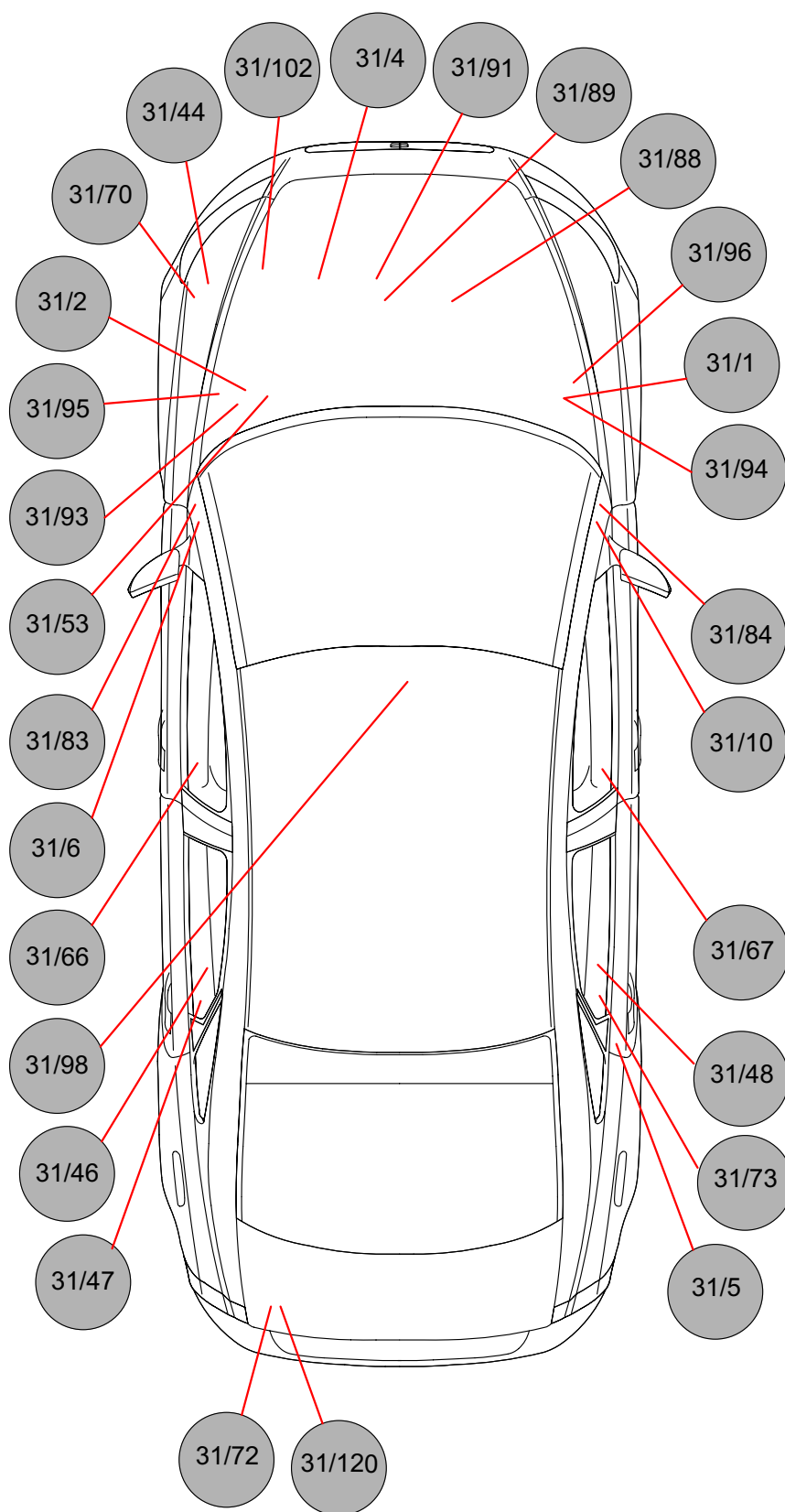
Relays

Other relays

Accessory relays

Pos	Relay function	
Engine compartment	2/64	Relay, auxiliary lights
Cargo compartment	2/191	Relay, remote parking heater start, radio signal
Front member	2/192	Relay, electric engine heater
Dashboard	2/238	Relay, audio disconnection

Ground connections Overview



Ground connections

31/1 - 31/44

31/1	Right MacPherson strut tower
6/3	Right-hand headlight wiper motor
6/104	High pressure headlight washer motor
7/5	Washer fluid level sensor

31/2	Left MacPherson strut tower
4/46	Engine Control Module (ECM), I5D
4/71	Cooling fan control module

31/4	Engine
31/44	Ground connection

31/5	D-post, right-hand
9/2	Heated rear window

31/6	A-post, left-hand side
3/6	Hazard warning flasher switch
4/31	Fan control module, RHD
4/56	Central Electronic Module (CEM), LHD
6/15	Sunroof motor
10/29	Glove compartment lighting
10/125	Left-hand front courtesy lighting
10/126	Right-hand front courtesy lighting
16/65	Antenna ring/ignition switch illumination

31/10	A-post, right-hand side
4/31	Fan control module, LHD
4/56	Central Electronic Module (CEM), RHD
4/84	Suspension Module (SUM)
9/1	Front 12V outlet
9/25	Rear 12V outlet
10/72	Front ashtray lighting

31/44	Left-hand side member, lower engine compartment
31/4	Ground connection

Ground connections

31/46 - 31/67

31/46	Rear seat riser, left-hand side
3/27	Switch unit, power passenger seat, RHD
3/76	Left-hand rear door lock unit
3/85	Rear left door power window switch
4/52	Power Seat Module (PSM), LHD
4/82	Differential Electronic Module (DEM)
8/51	Front left side airbag igniter
8/59	Rear left head restraint solenoid
9/12	Seat Heating Module (SHM), driver's side

31/47	Rear seat riser, left-hand side
4/58	Rear Electronic Module (REM)

31/48	Rear seat riser, right-hand side
4/83	Fuel pump control module
6/31	Feed pump, ejectors
6/33	Fuel pump

31/53	Firewall
1/1	Battery

31/66	Front seat riser, left-hand side
3/126	Driver/Passenger Door Module (DDM)/(PDM)
27/3	Left Camera Module (LCM), BLIS

31/67	Front seat riser, right-hand side
3/27	Switch unit, power passenger seat, LHD
3/86	Rear right door power window switch
3/127	Passenger/Driver Door Module (PDM)/(DDM)
4/52	Power Seat Module (PSM), RHD
6/35	Fuel pump, auxiliary heater
7/93	Occupant Weight Sensor (OWS)
8/52	Front right side airbag igniter
9/13	Seat Heating Module (SHM), right
10/123	Right rear courtesy lighting, S80
27/4	Right-hand Camera Module (RCM)

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)
7/100	Inclination Sensor Module (ISM)
10/18	Lamp housing, rear left
10/127	Lighting, cargo compartment, left-hand side
16/15	CD changer, accessories
16/45	Road Traffic Information module (RTI)
16/149	MP3 player, accessory

31/73	Rear seat riser, right-hand side
2/191	Relay, remote parking heater start, radio signal, accessory
4/78	Accessory Electronic Module (AEM)
4/106	Control module, remote parking heater start, accessory
8/60	Rear right head restraint solenoid
8/85	Thermostatic switch and fuel filter heating
8/88	Rear solenoid, fuel tank, Bi-Fuel
8/89	Front left solenoid, fuel tank, Bi-Fuel
8/90	Front right solenoid, fuel tank, Bi-Fuel
10/17	Lamp housing, rear right
10/128	Lighting, cargo compartment, right-hand side
10/218	Remote start indicator light, accessory
17/19	12V outlet, cargo compartment

Ground connections

31/83 - 31/88

31/83	A-post, left-hand side
3/117	Switch unit, dome light
4/33	Sunroof Module (SRM)
4/70	Upper Electronic Module (UEM)
4/76	Remote control unit for garage door opener
5/1	Driver Information Module (DIM)
7/122	Mass Movement Sensor Module (MMS), front
7/149	Rain Sensor Module (RSM)
10/19	Auxiliary brake light
10/114	Left-hand vanity mirror lighting
10/115	Right-hand vanity mirror lighting
10/150	Rear reading light
16/65	Antenna ring/ignition switch illumination
31/98	Ground connection

31/84	A-post, right-hand side
3/111	Light Switch Module (LSM)
3/112	Climate Control Module (CCM)
3/254	Steering Wheel Module (SWM)
4/68	Steering Wheel Angle Sensor Module (SAS)
6/48	Damper Motor Module (DMM), recirculation
6/69	Damper Motor Module (DMM)
6/95	Damper Motor Module (DMM), left-hand side
6/96	Damper Motor Module (DMM), right-hand side
6/102	Damper Motor Module (DMM), defroster
6/103	Damper Motor Module (DMM), floor/ventilation
7/159	Air Quality Sensor (AQS)
16/1	Audio Module (AUM)
16/2	Amplifier
16/46	RTI display
16/60	Phone Module (PHM)
16/93	Control module, cellular phone handsfree, accessory
17/13	Data link connector

31/88	Engine, ignition coils, group 1
20/3	Spark plug and ignition coil
20/4	Spark plug and ignition coil

Ground connections

31/89 - 31/93

31/89	Engine, ignition coils, group 2
20/5	Spark plug and ignition coil
20/6	Spark plug and ignition coil
20/7	Spark plug and ignition coil
20/8	Spark plug with ignition coil, 6-cyl.

31/91	Engine
4/50	Electronic Throttle Module (ETM), Bi-Fuel
9/32	PTC resistor - air preheating, Bi-Fuel

31/93	Left MacPherson strut tower
2/91	Relay, intermittent wiping
3/10	Reversing light contact, MAN
3/62	Hood alarm contact
3/156	Gear Selector Module (GSM), TF-80SC/TF-80SC AWD
4/7	Combustion Preheater Module (CPM)
4/28	Transmission Control Module (TCM), TF-80SC/TF-80SC AWD
4/56	Central Electronic Module (CEM)
4/99	Electronic power steering control module
6/1	Windshield wiper motor
6/4	Motor, left-hand headlight
6/38	Left-hand headlight level adjustment motor
6/114	Vacuum pump
7/4	Brake fluid level sensor
7/51	Accelerator pedal sensor
7/73	Coolant level sensor
8/36	Shift lock solenoid, TF-80SC/TF-80SC AWD
8/37	Automatic transmission
8/134	Solenoid, reverse interlock, manual
9/30	Auxiliary heater
10/1	Left-hand front lamp housing
10/5	Front left fog light
10/11	Front left running/parking light
10/13	Front left direction indicator
10/15	Front left fender direction indicator, EU/OS
10/71	Side running light, front left
16/10	Horn 1
16/11	Horn 2
20/16	Capacitor

Ground connections

31/94 - 31/102

31/94	Right MacPherson strut tower
3/156	Gear Selector Module (GSM)
4/28	Transmission Control Module (TCM), AUTO
6/39	Right-hand headlight adjustment motor
8/36	Shift lock solenoid
10/2	Right-hand front lamp housing
10/6	Front right fog light
10/12	Front right running/parking light
10/14	Front right direction indicator
10/16	Front right fender direction indicator, EU/OS
10/73	Side running light, front right
16/35	Siren Control Module (SCM)

31/95	Left MacPherson strut tower
4/16	Brake Control Module (BCM)

31/96	Right MacPherson strut tower
4/46	Engine Control Module (ECM)
4/71	Cooling fan control module, I5D
6/105	Fuel distributor gas, Bi-Fuel
9/32	PTC resistor - air preheating, Diesel, Gasoline 5-cyl

31/98	Windshield member, upper
3/117	Switch unit, dome light
4/33	Sunroof Module (SRM)
4/70	Upper Electronic Module (UEM)
4/76	Remote control unit for garage door opener
5/1	Driver Information Module (DIM)
7/122	Mass Movement Sensor Module (MMS)
7/149	Rain Sensor Module (RSM)
10/19	Auxiliary brake light
10/114	Left-hand vanity mirror lighting
10/115	Right-hand vanity mirror lighting
10/150	Rear reading light
16/65	Antenna ring/ignition switch illumination
31/83	Ground connection

31/102	Front member
2/192	Relay, electric engine heater

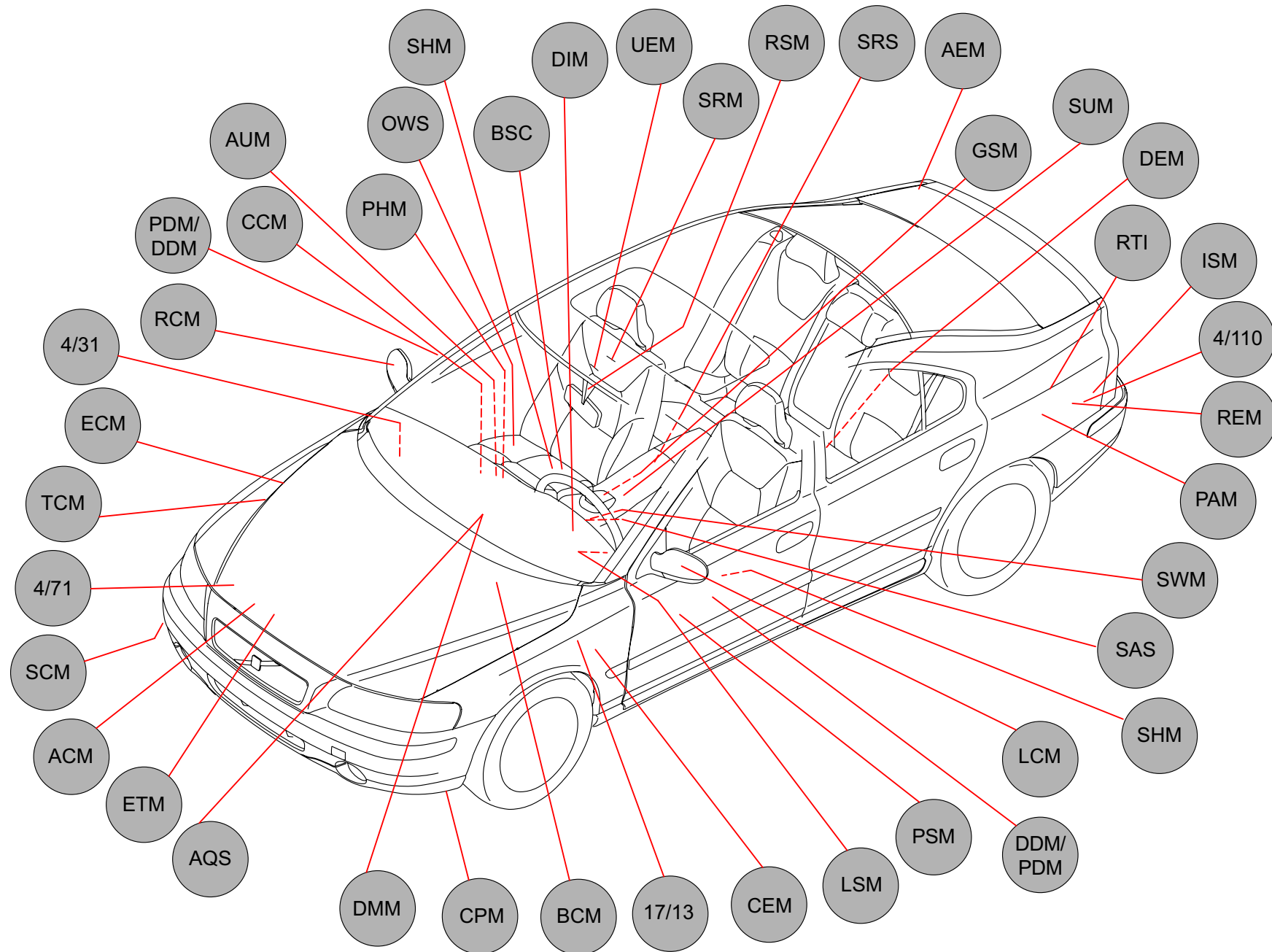
Ground connections

31/120

31/120 Cargo compartment, accessory	
4/110	Trailer Module (TRM)
16/15	CD changer
16/45	Road Traffic Information module (RTI)
16/45	Road Traffic Information module (RTI), Turn-by-turn
16/46	RTI display
16/49	Traffic Message Channel module (TMC)
16/145	Satellite radio receiver
17/37	4-pin outlet, towbar cable harness
17/38	7-pin outlet, tow hitch cable harness
17/39	13-pin outlet, tow hitch cable harness
26/4	Converter, direction indicators & brake lights, USA

Control modules

Overview of locations



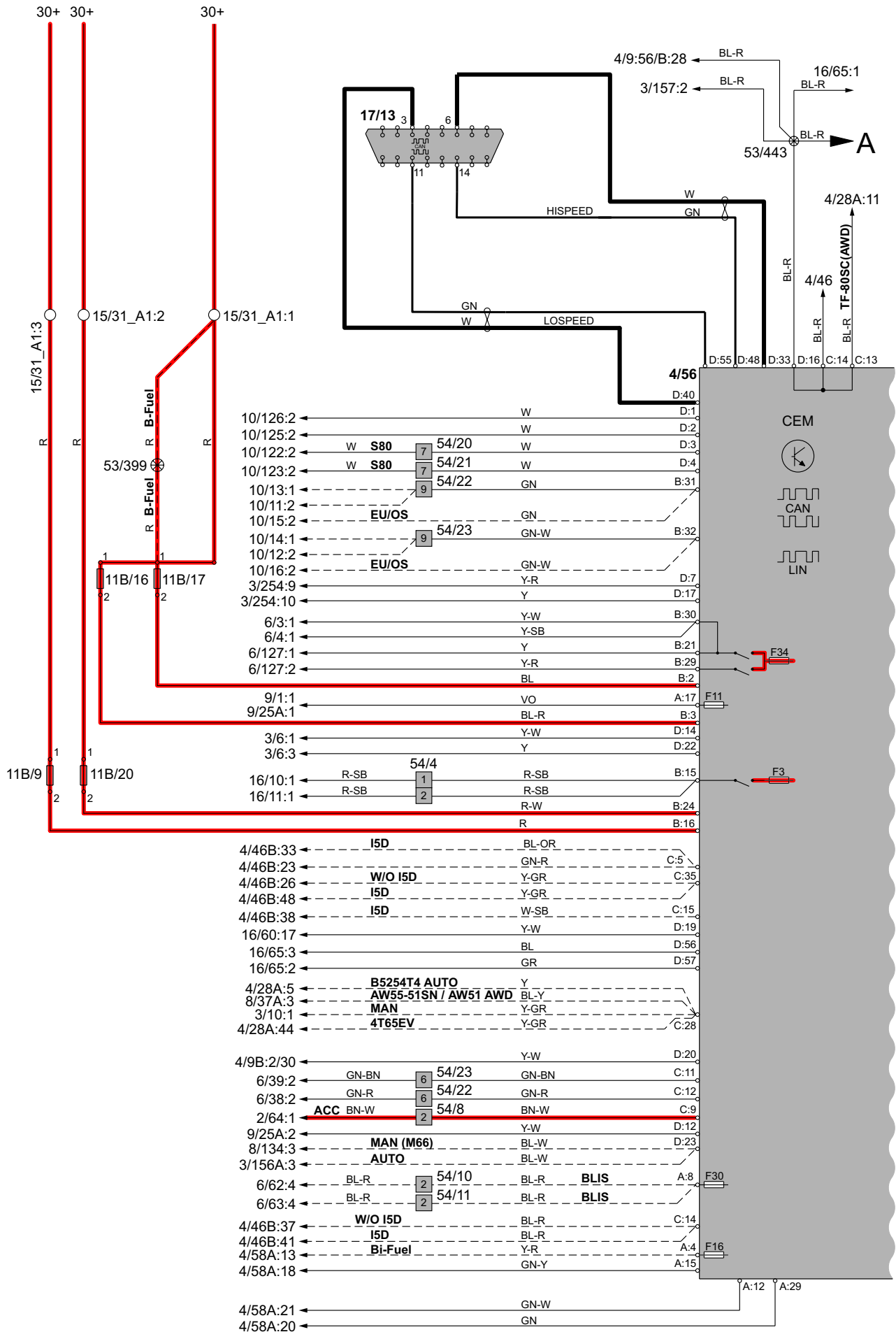
Control modules

Overview of designations

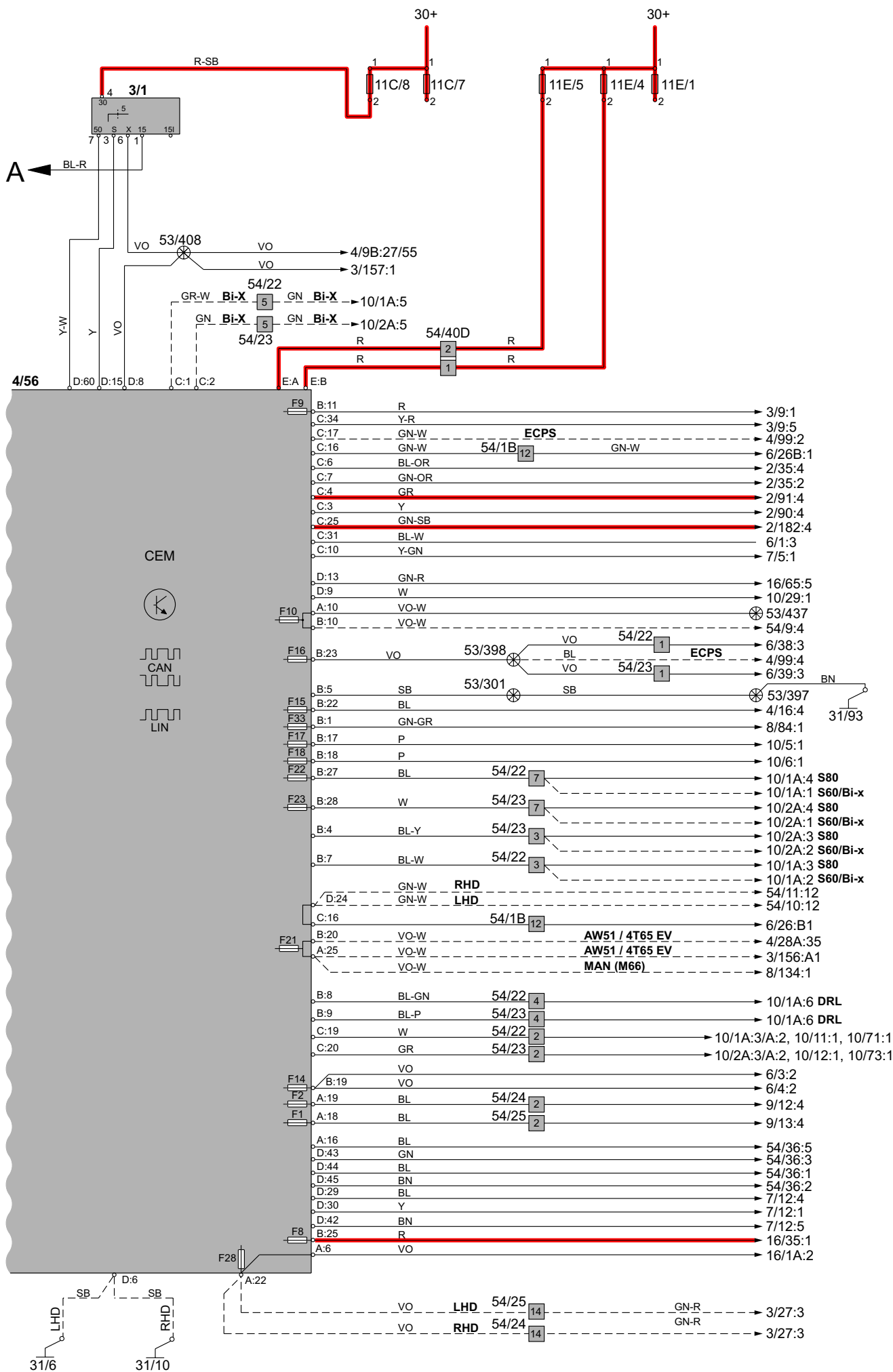
Unit	Designation
ACM	6/26 Alternator Control Module (ACM)
AEM	4/78 Accessory Electronic Module (AEM)
AQS	7/159 Air Quality Sensor (AQS)
AUM	16/1 Audio Module (AUM)
BCM	4/16 Brake Control Module (BCM)
BSC	7/164 Body Sensor Cluster Stability Sensor (BSC)
CCM	3/112 Climate Control Module (CCM)
CEM	4/56 Central Electronic Module (CEM)
CPM	4/7 Combustion Preheater Module (CPM)
DDM/PDM	3/126 Driver/Passenger Door Module (DDM)/(PDM)
DEM	4/82 Differential Electronic Module (DEM)
DIM	5/1 Driver Information Module (DIM)
DMM	Damper Motor Module (DMM) -6/48 Damper Motor Module (DMM), recirculation -6/69 Damper Motor Module (DMM), ventilation/floor/defroster -6/95 Damper Motor Module (DMM), temperature, left side -6/96 Damper Motor Module (DMM), temperature, right side -6/102 Damper Motor Module (DMM), defroster -6/103 Damper Motor Module (DMM), floor/ventilation
ECM	4/46 Engine Control Module (ECM)
ETM	4/50 Electronic Throttle Module (ETM)
GSM	3/156 Gear Selector Module (GSM)
ISM	7/100 Inclination Sensor Module (ISM)
LCM	27/3 Left Camera Module (LCM)
LSM	3/111 Light Switch Module (LSM)
OWS	7/93 Occupant Weight Sensor (OWS)
PAM	4/86 Parking Assistance Module (PAM)
PDM/DDM	3/127 Passenger/Driver Door Module (PDM)/(DDM)
PHM	16/60 Phone Module (PHM)
PSM	4/52 Power Seat Module (PSM)
RCM	27/4 Right-hand Camera Module (RCM)
REM	4/58 Rear Electronic Module (REM)
RSM	7/149 Rain Sensor Module (RSM)
RTI	16/45 Road Traffic Information module (RTI)
SAS	4/68 Steering Wheel Angle Sensor Module (SAS)
SCM	16/35 Siren Control Module (SCM)
SHM	Seat Heating Module (SHM) -9/12 Seat Heating Module (SHM), left -9/13 Seat Heating Module (SHM), right
SRM	4/33 Sunroof Module (SRM)
SRS	4/9 Supplemental Restraint System (SRS)
SUM	4/84 Suspension Module (SUM)
SWM	3/254 Steering Wheel Module (SWM)
TCM	4/28 Transmission Control Module (TCM)
TRM	4/110 Trailer Module (TRM)
UEM	4/70 Upper Electronic Module (UEM)
4/31	4/31 Fan control module
4/71	4/71 Cooling fan control module
17/13	17/13 Data link connector

Control modules

Central Electronic Module (CEM) 1:2

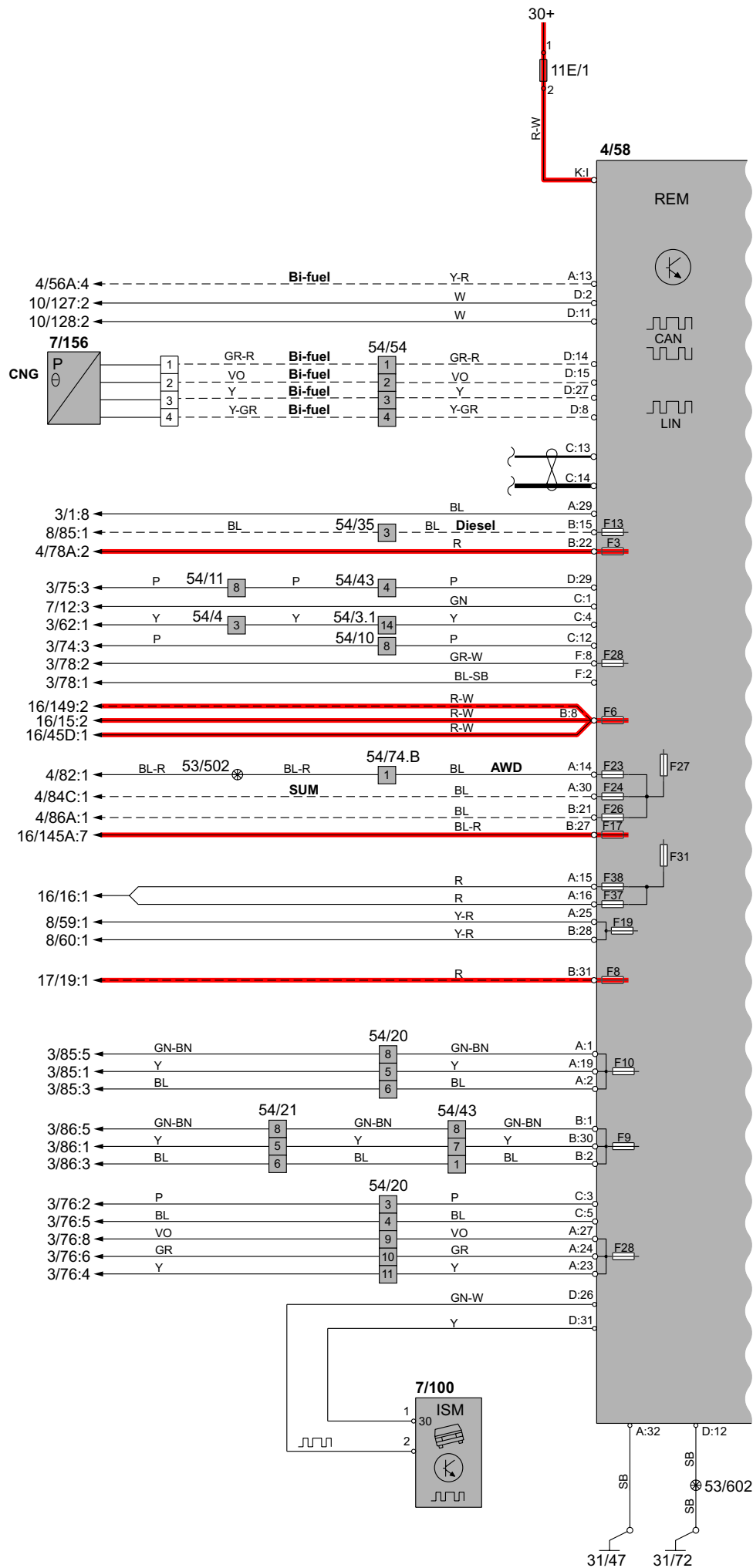


Central Electronic Module (CEM) 2:2



Control modules

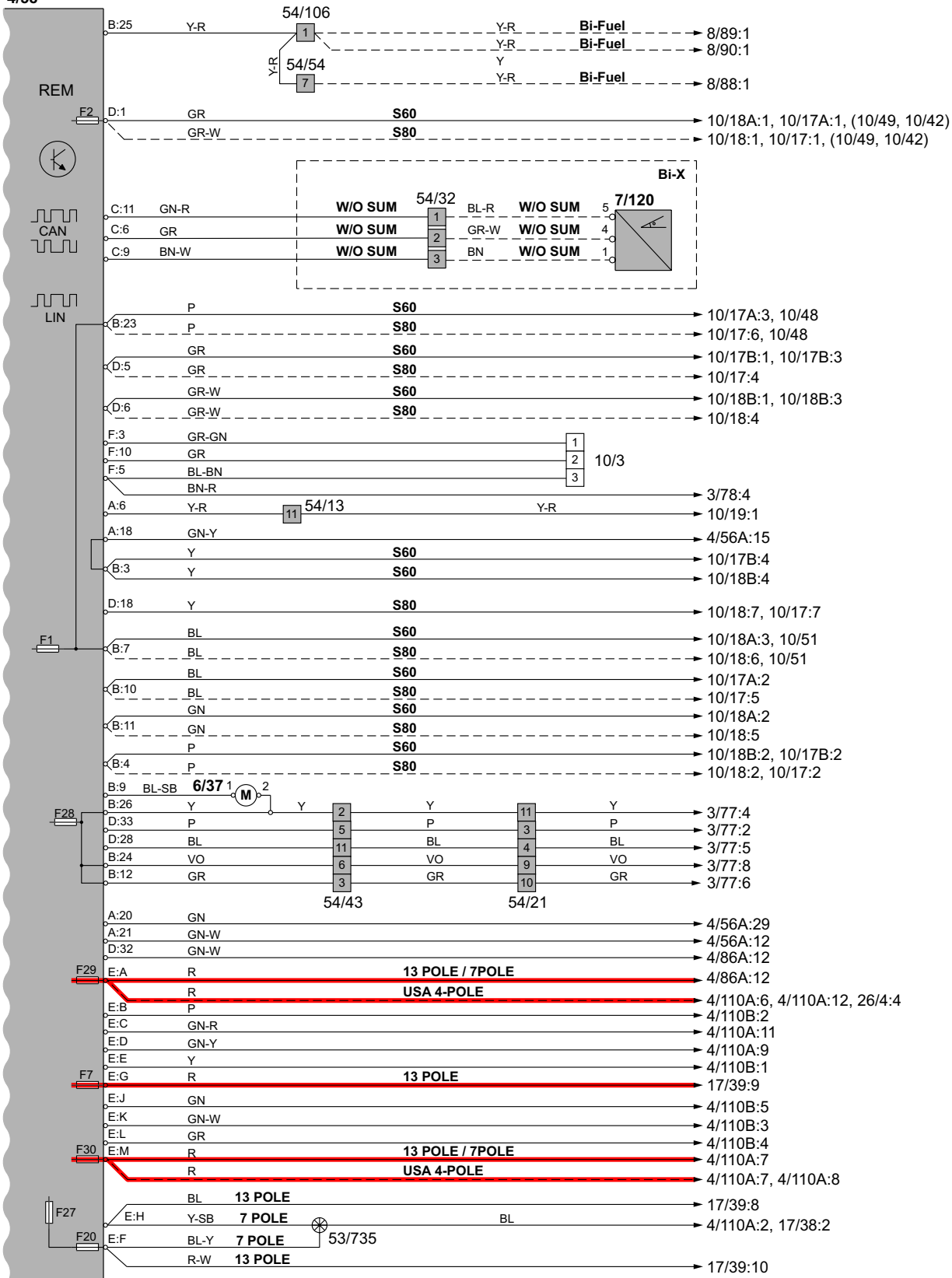
Rear Electronic Module (REM) 1:2



Control modules

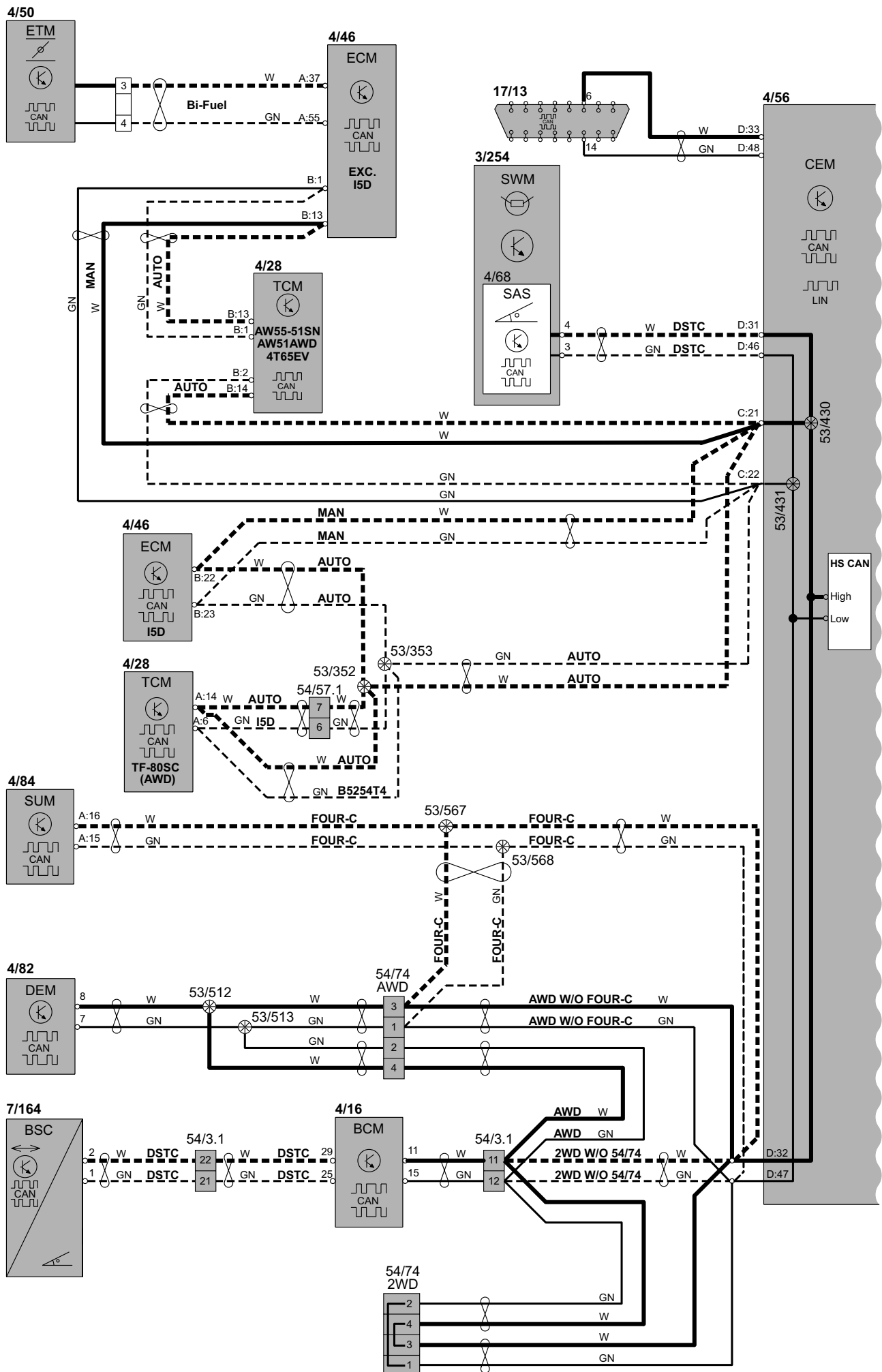
Rear Electronic Module (REM) 2:2

4/58

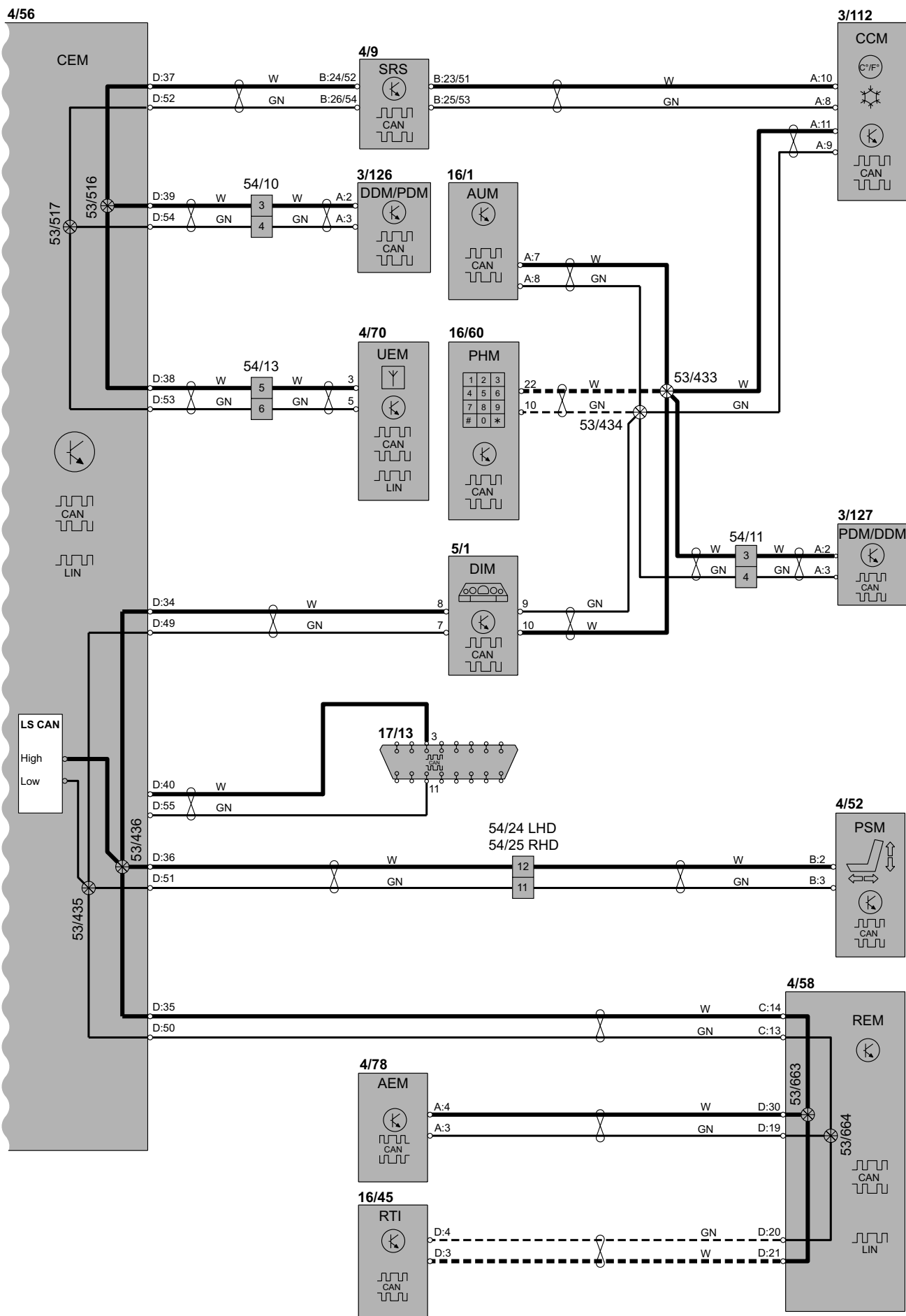


Control modules

Data communication low speed CAN 1:2

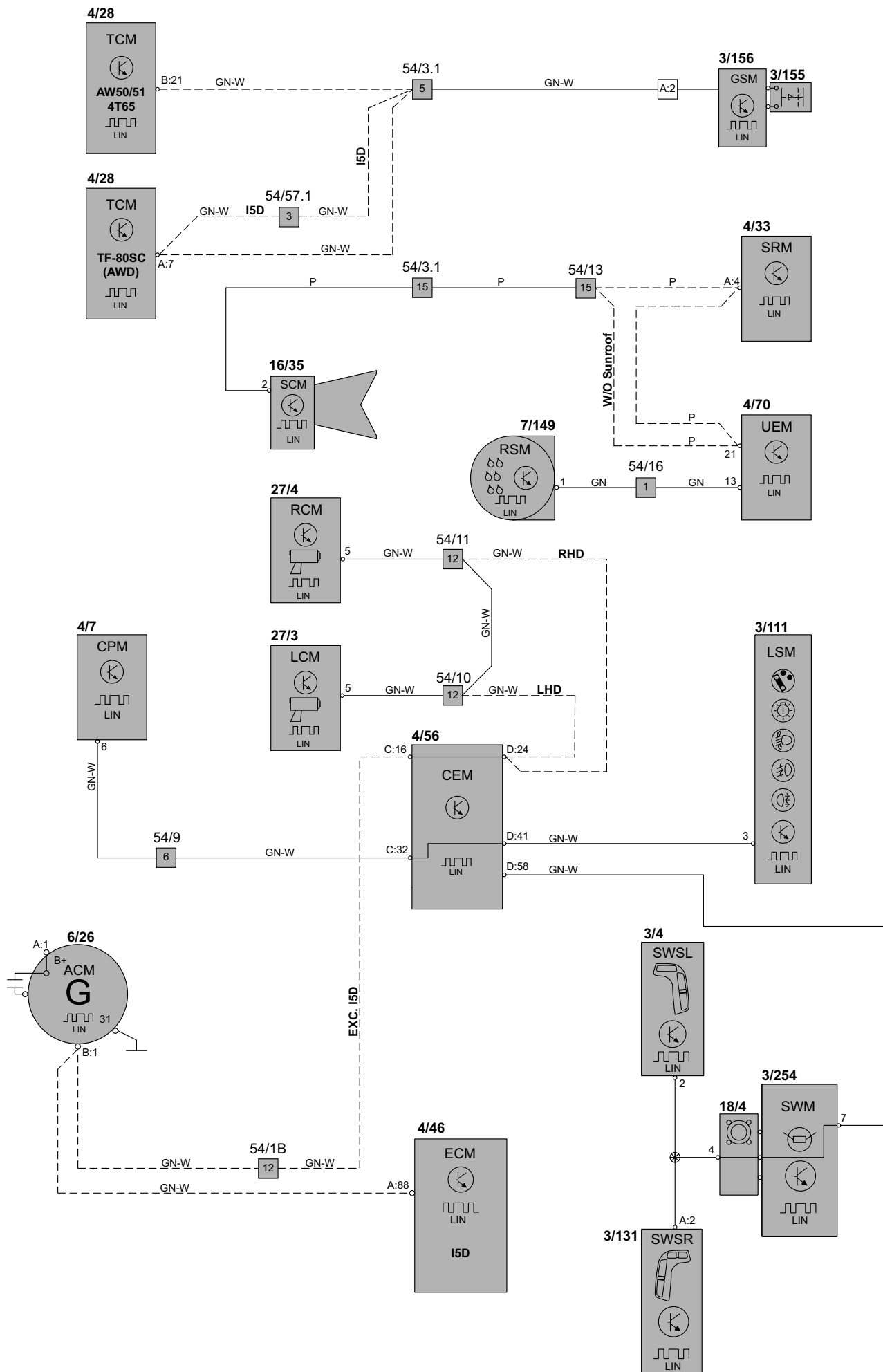


Data communication high speed CAN 2:2



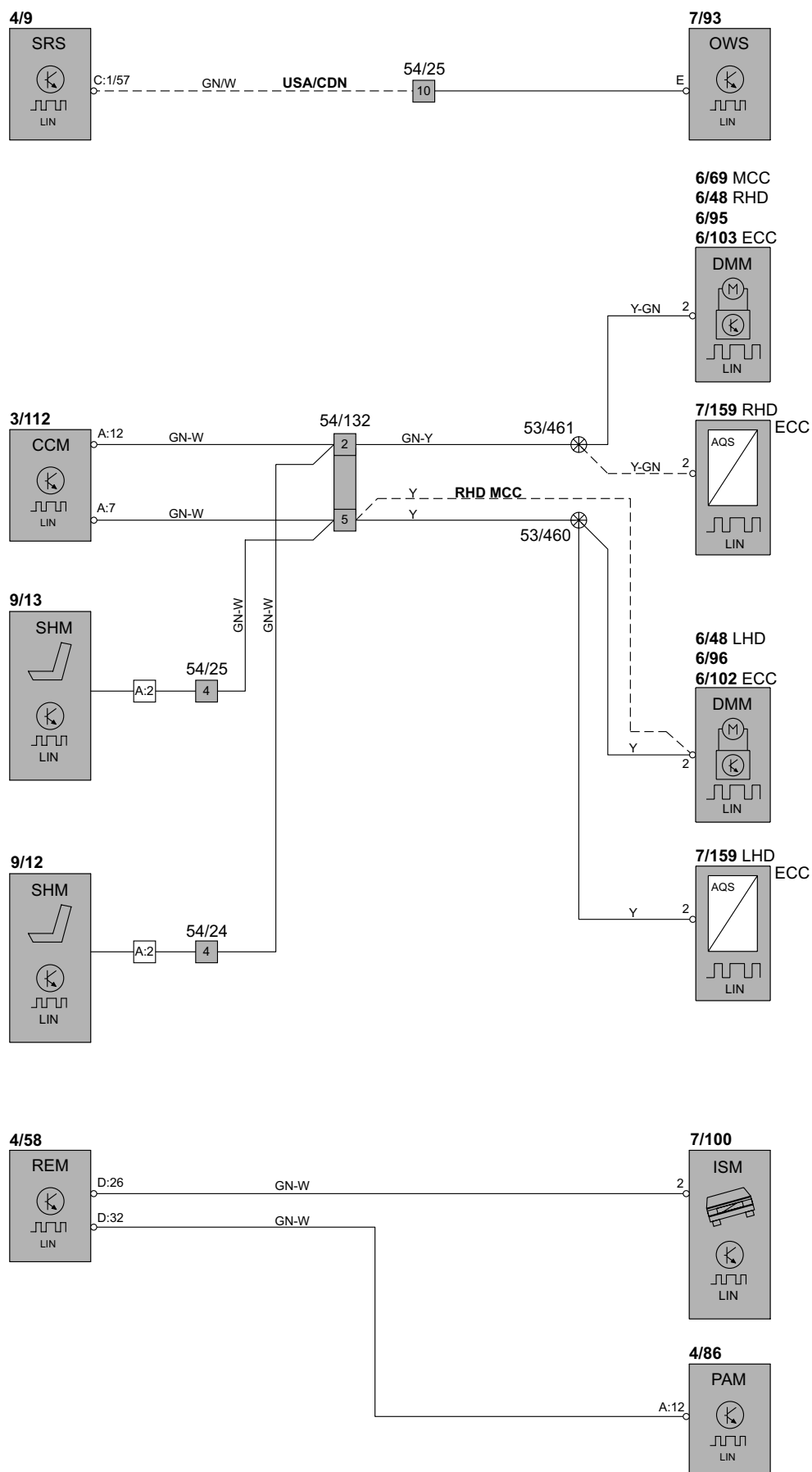
Control modules

LIN data communication 1:2

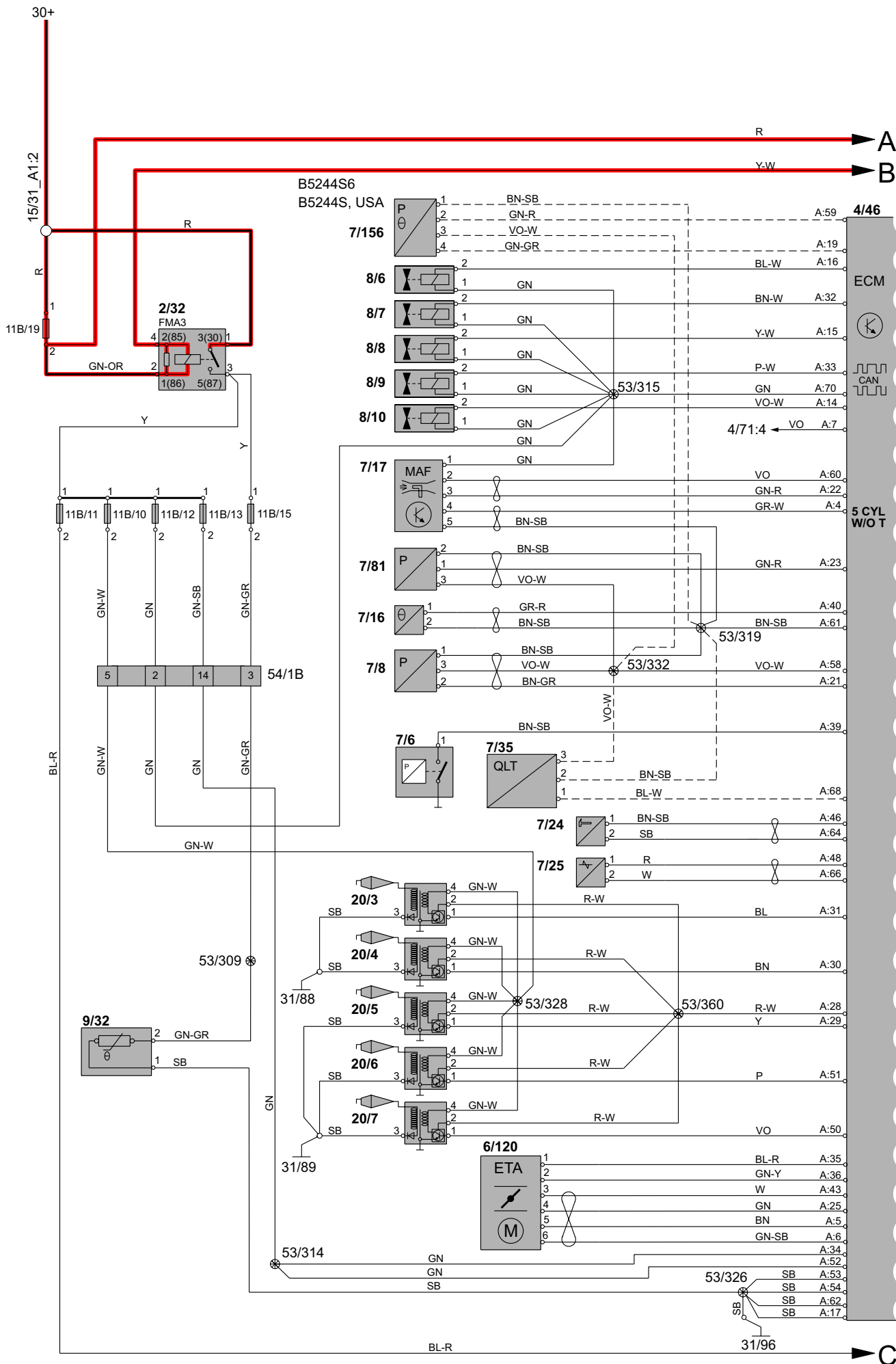


Control modules

LIN data communication 2:2

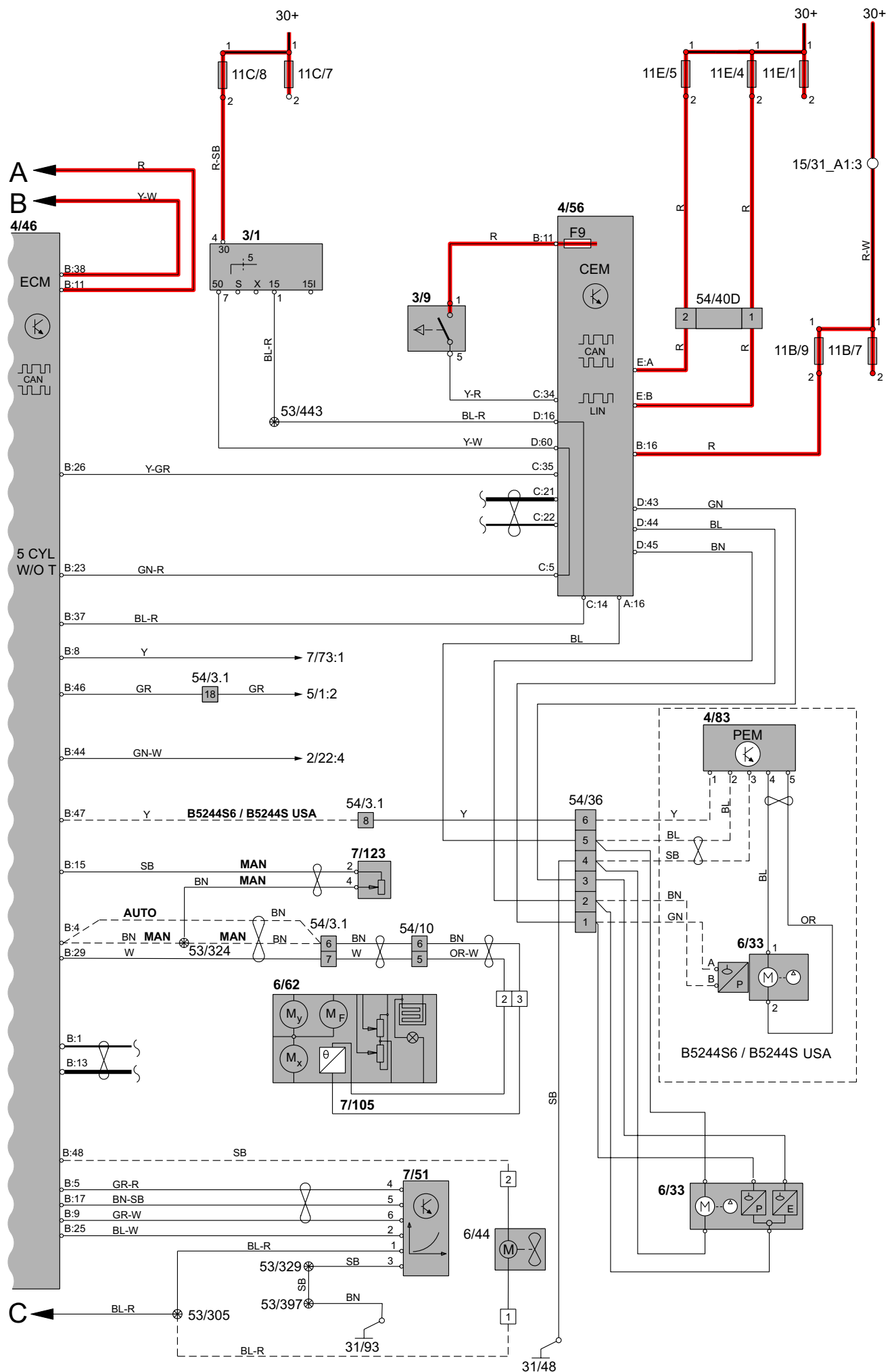


Engine management system, 5-cyl 1:2

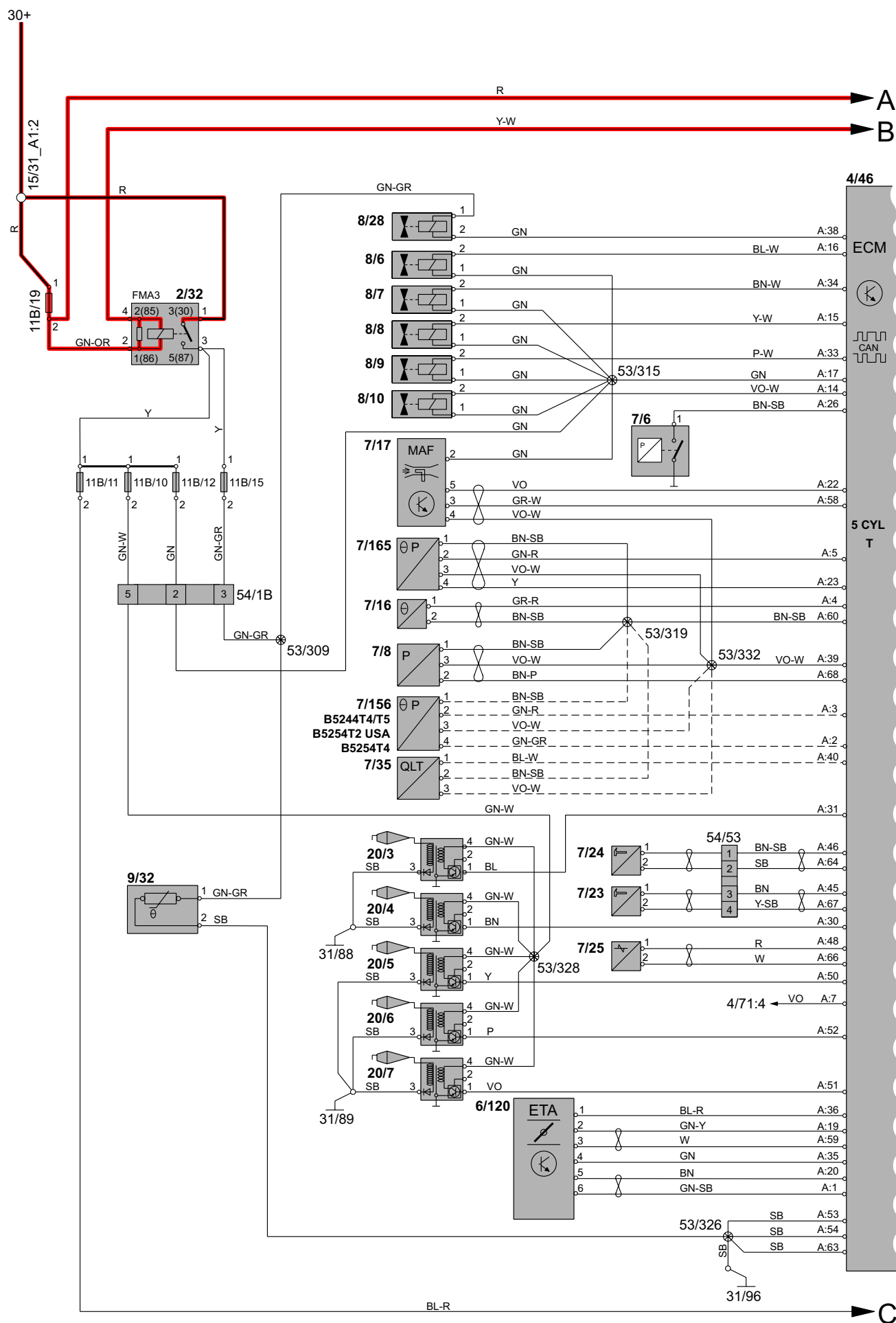


Group 23 Fuel system

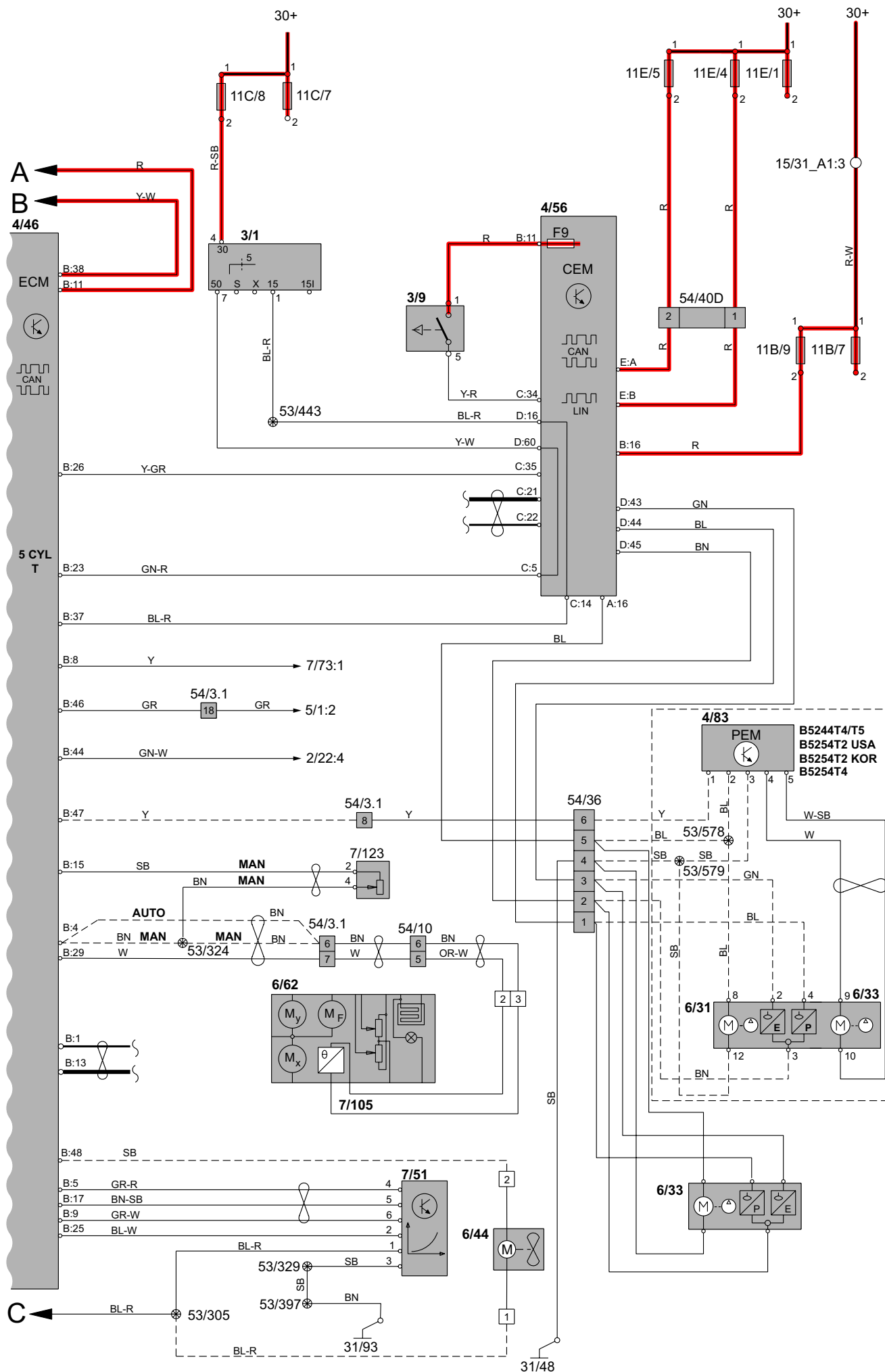
Engine management system, 5-cyl 2:2



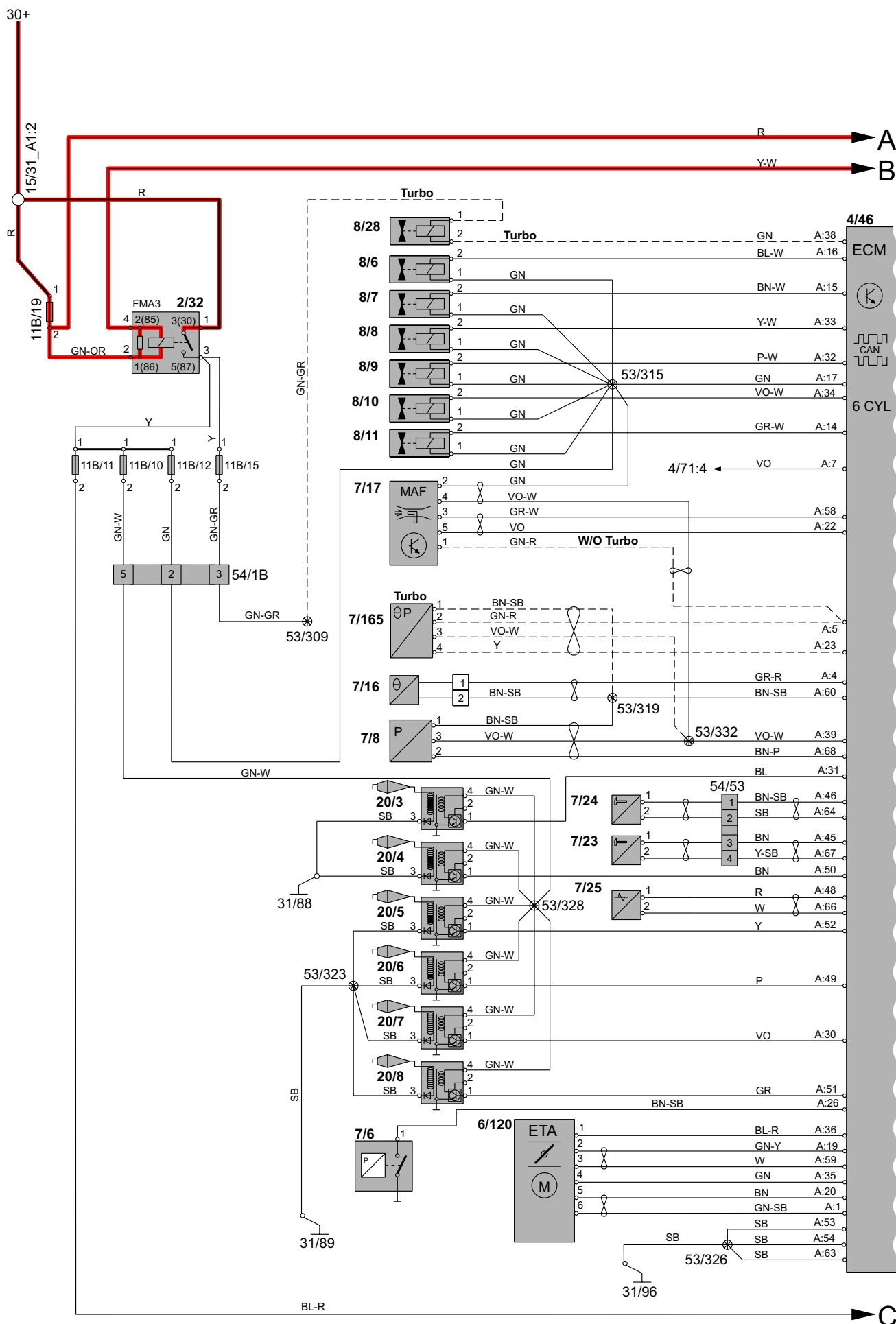
Engine management system, 5-cyl Turbo 1:2



Engine management system, 5-cyl Turbo 2:2

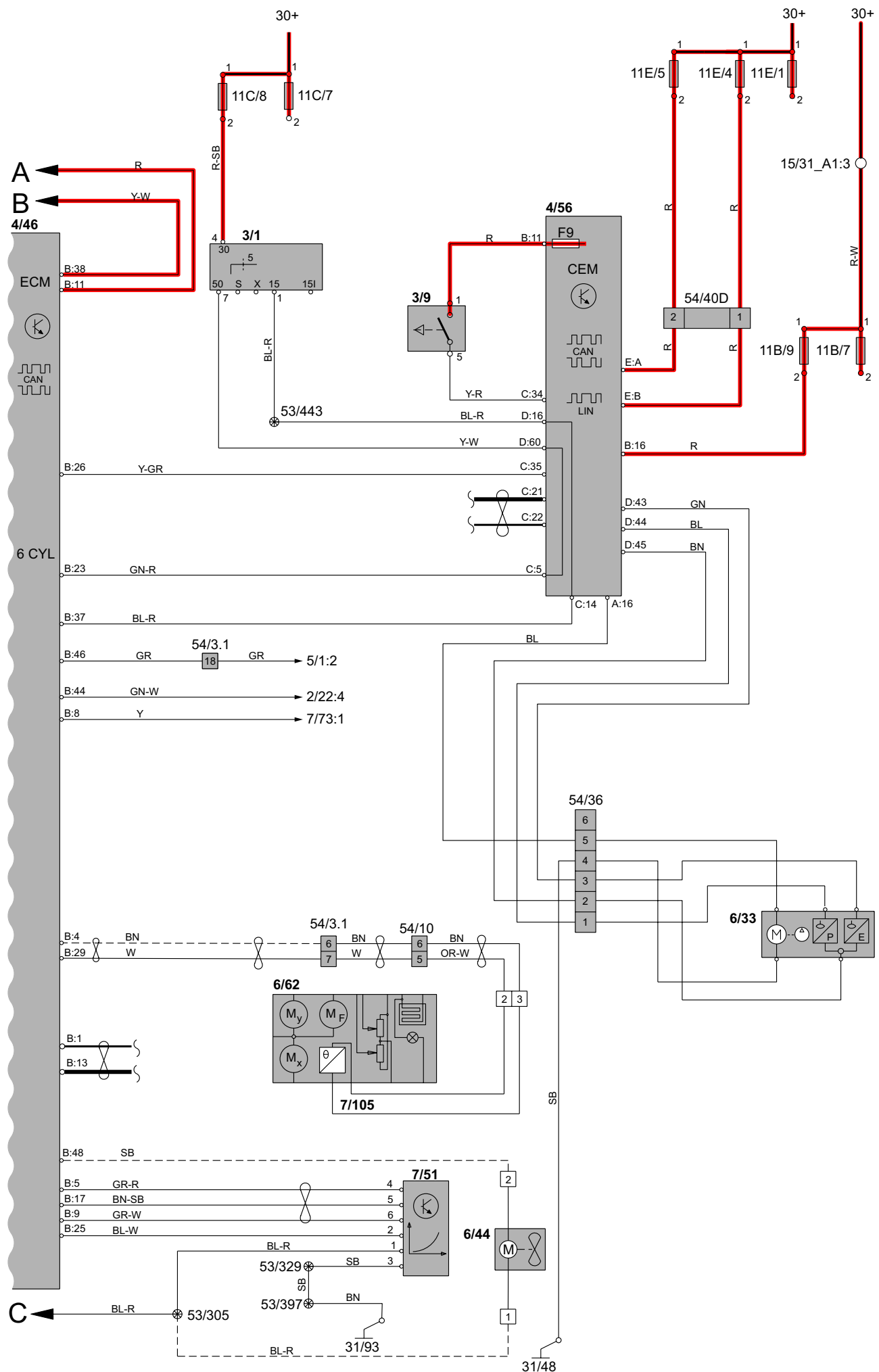


Engine management system, 6-cyl 1:2

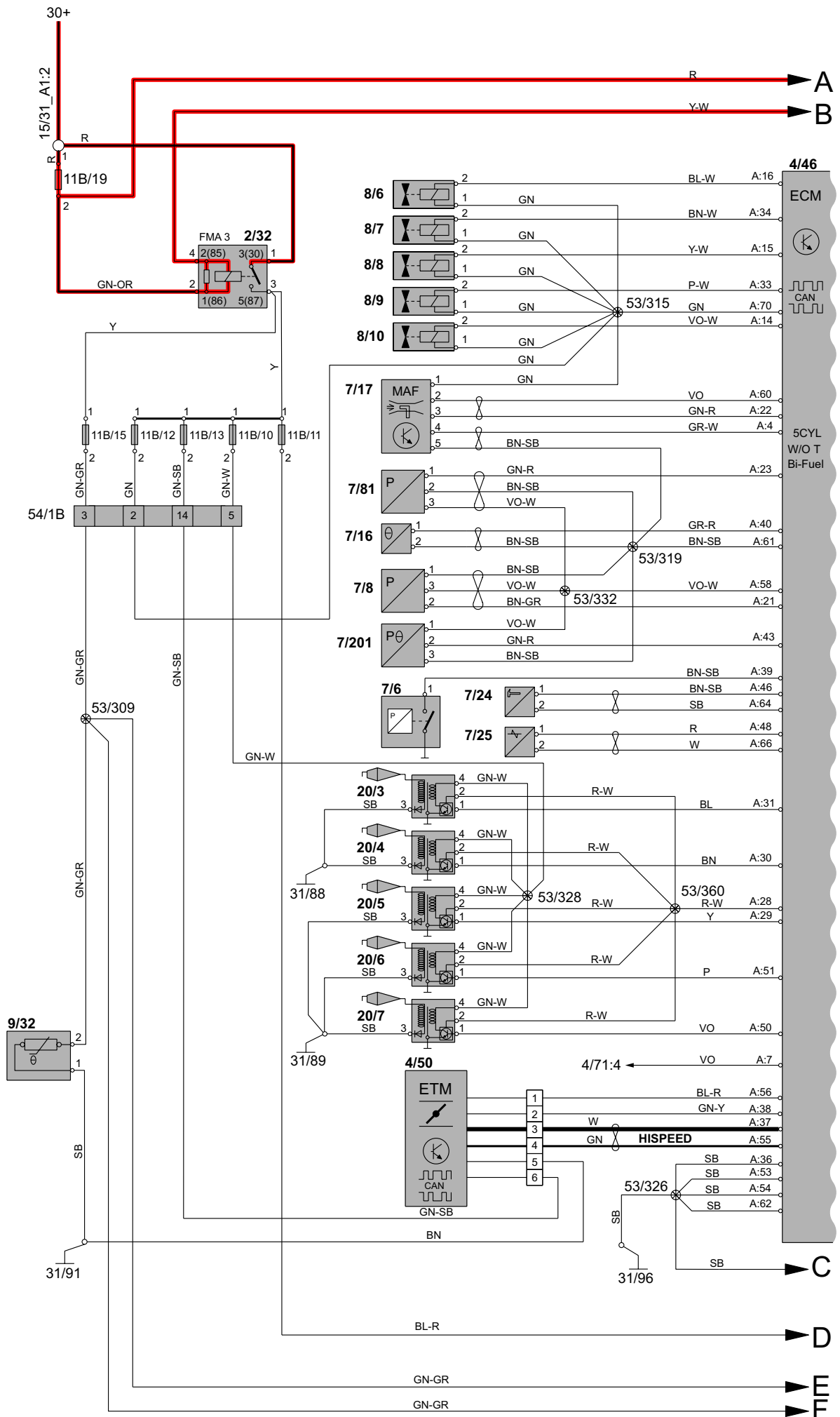


Group 23 Fuel system

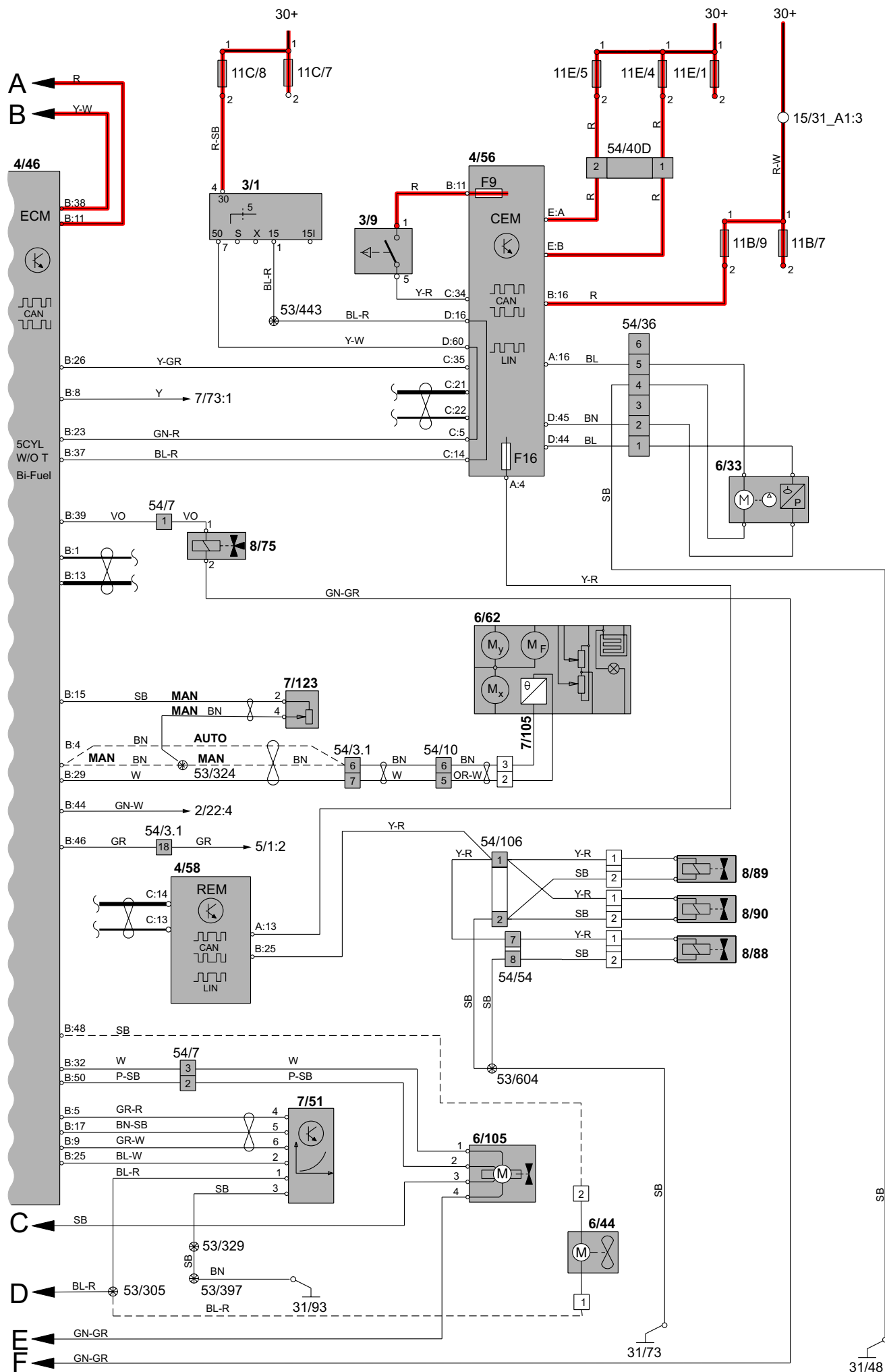
Engine management system, 6-cyl 2:2



Engine management system, Bi-Fuel 1:2

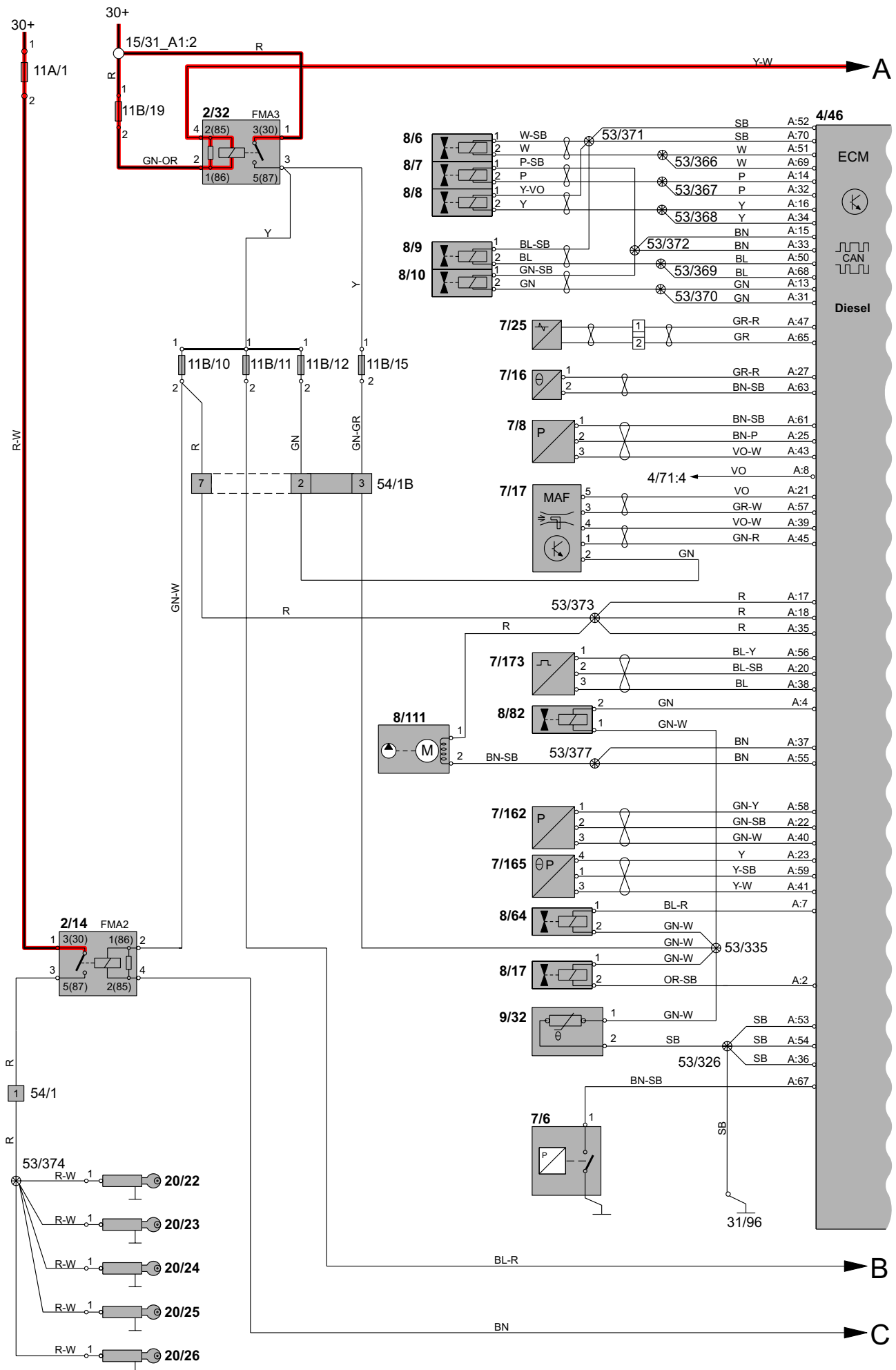


Engine management system, Bi-Fuel 2:2

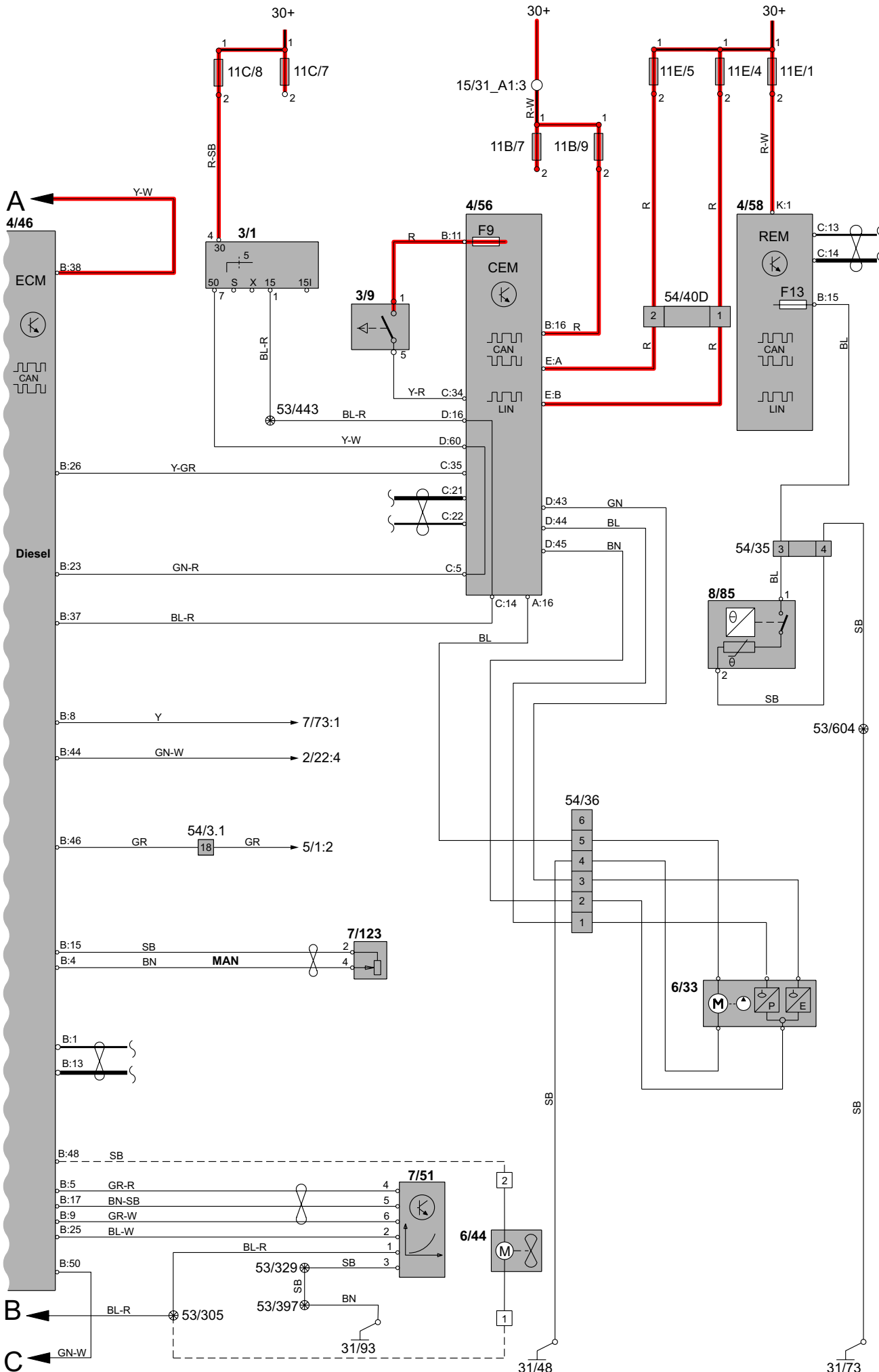


Group 23 Fuel system

Engine management system, Diesel 1:2

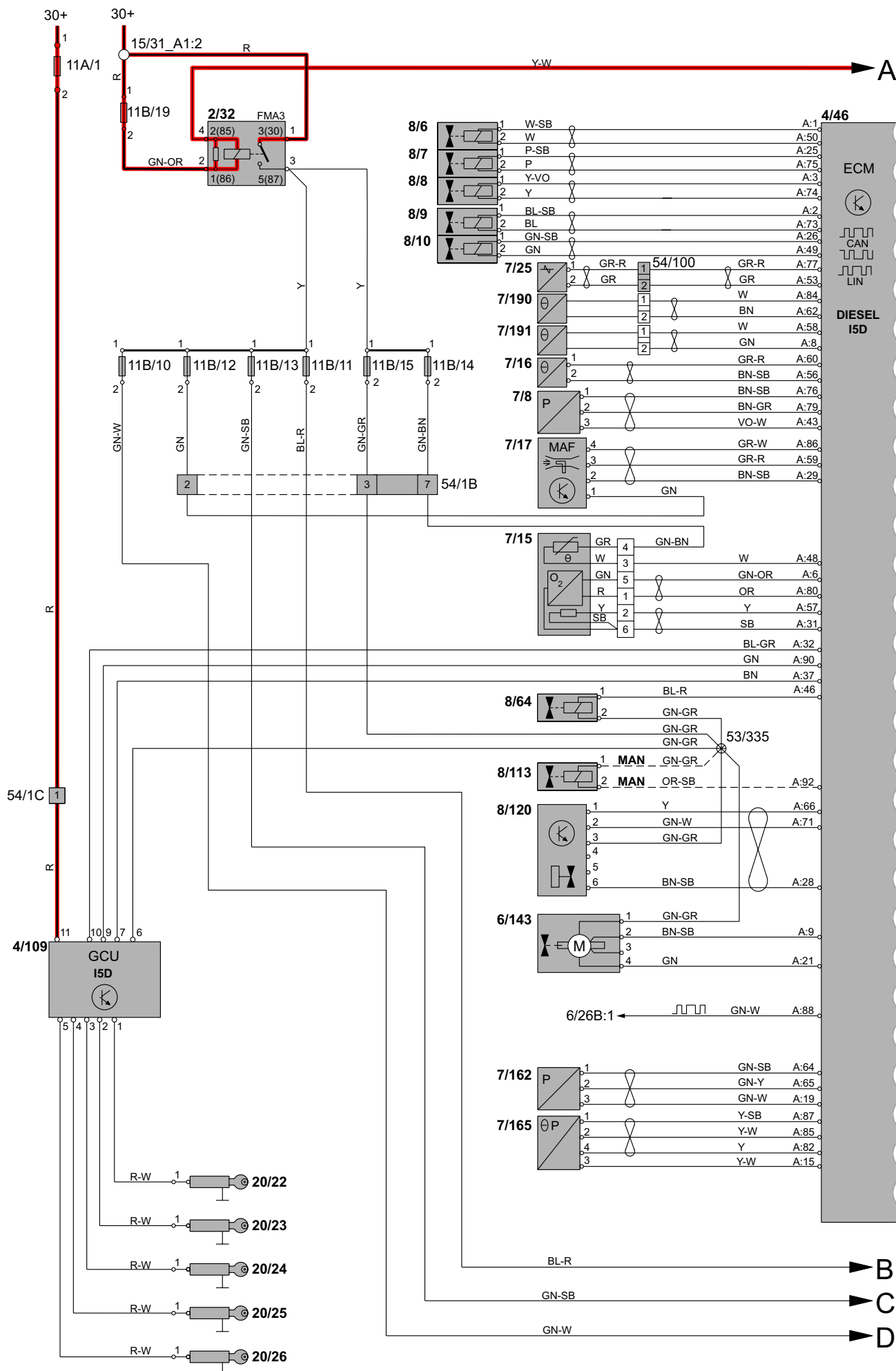


Engine management system, Diesel 2:2

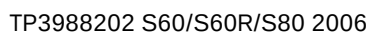


Group 23 Fuel system

Engine management system, Diesel, I5D 1:3

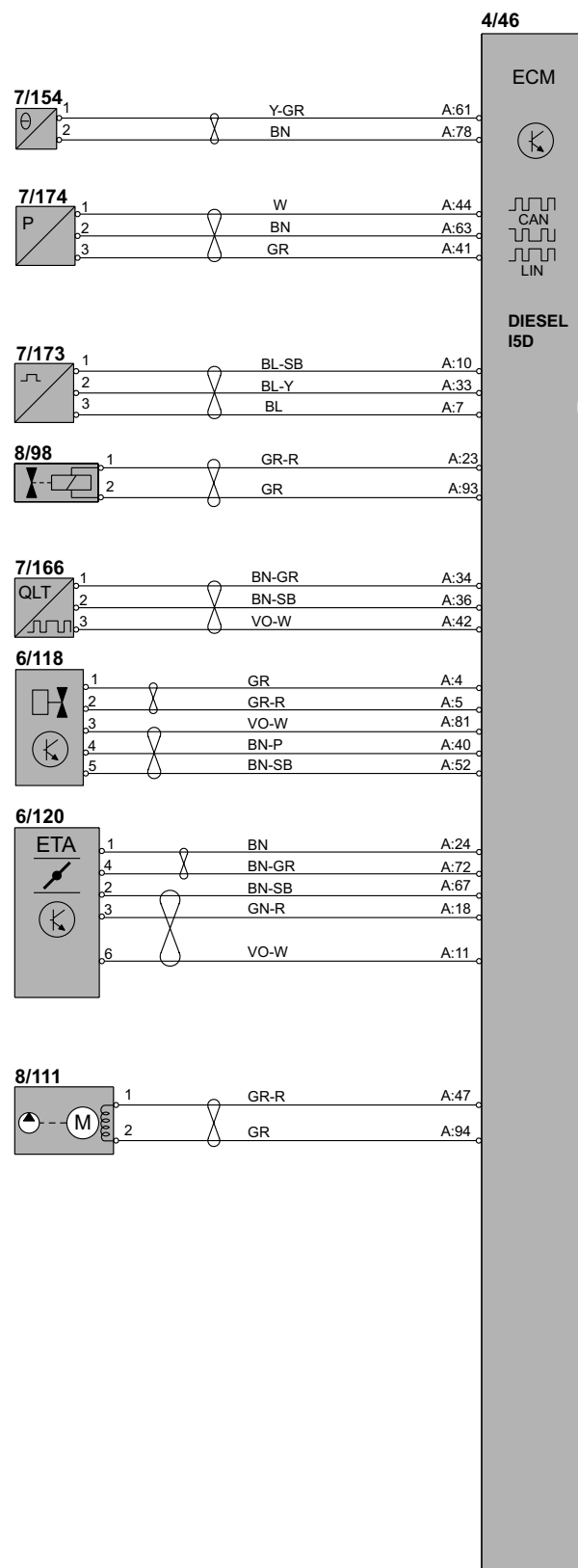


Engine management system, Diesel, I5D 2:3



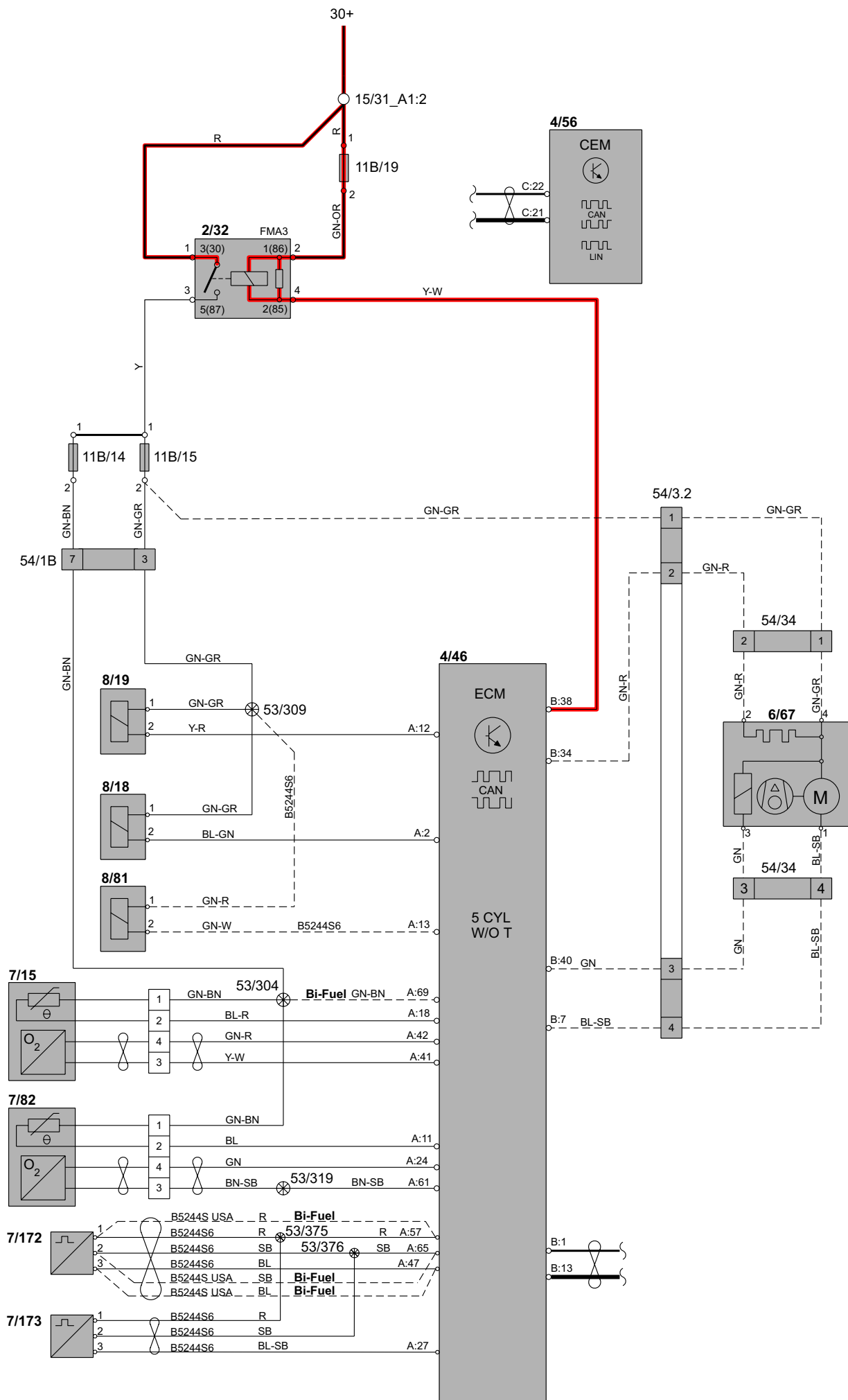
Group 23 Fuel system

Engine management system, Diesel, I5D 3:3

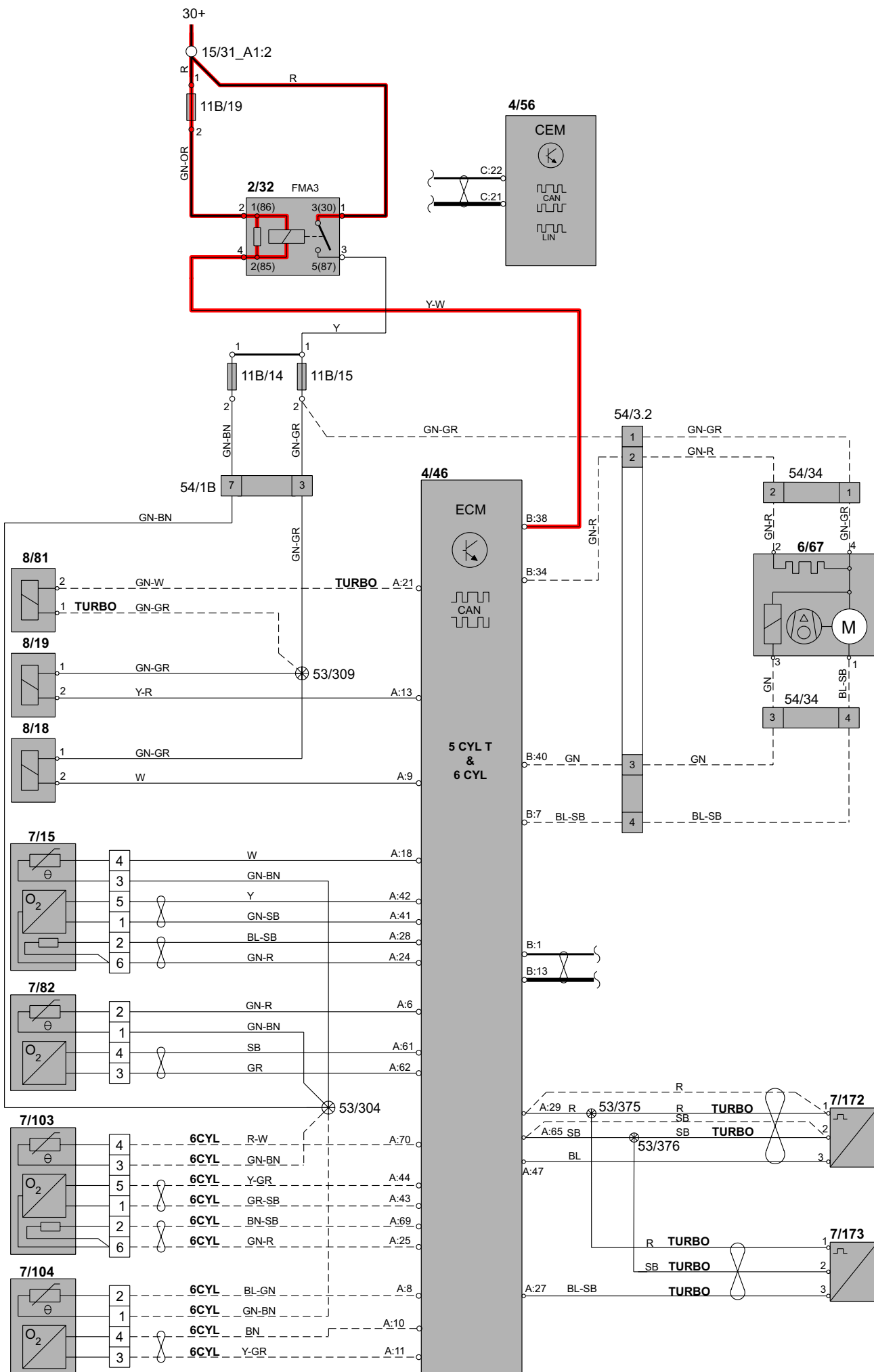


Group 23 Fuel system

Emission control, 5-cyl

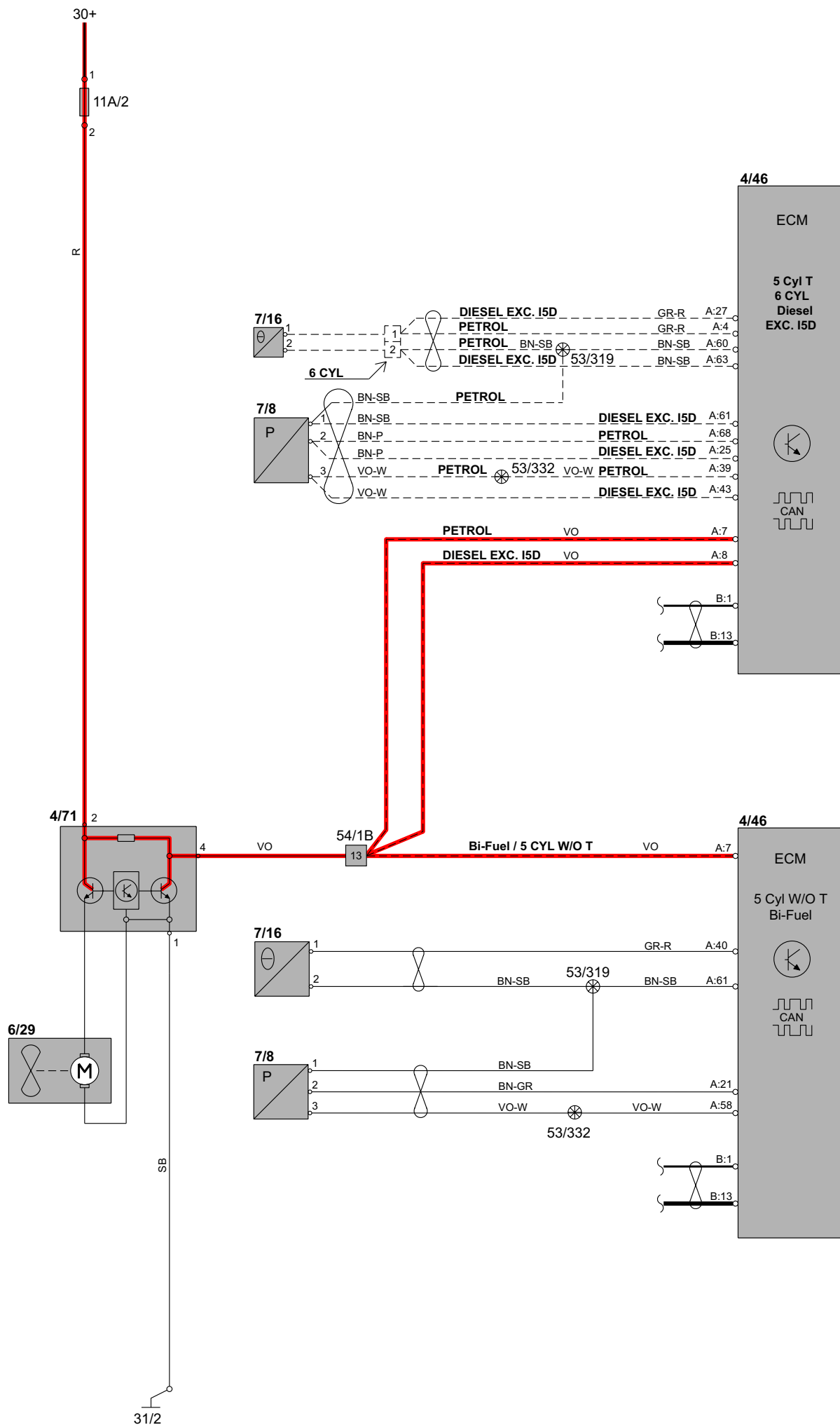


Emission control, 5-cyl Turbo & 6-cyl

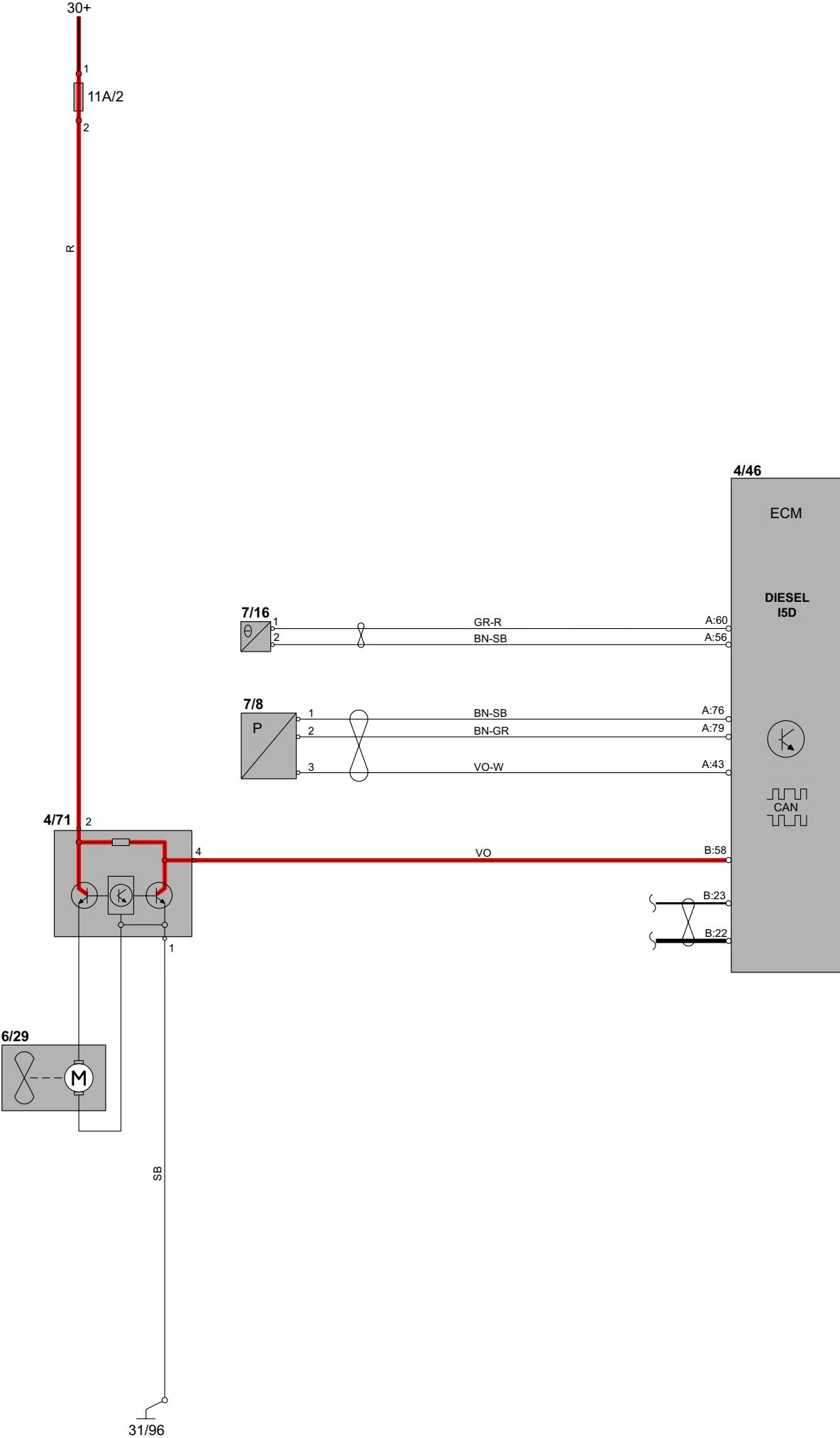


Group 26 Cooling system

Cooling fan

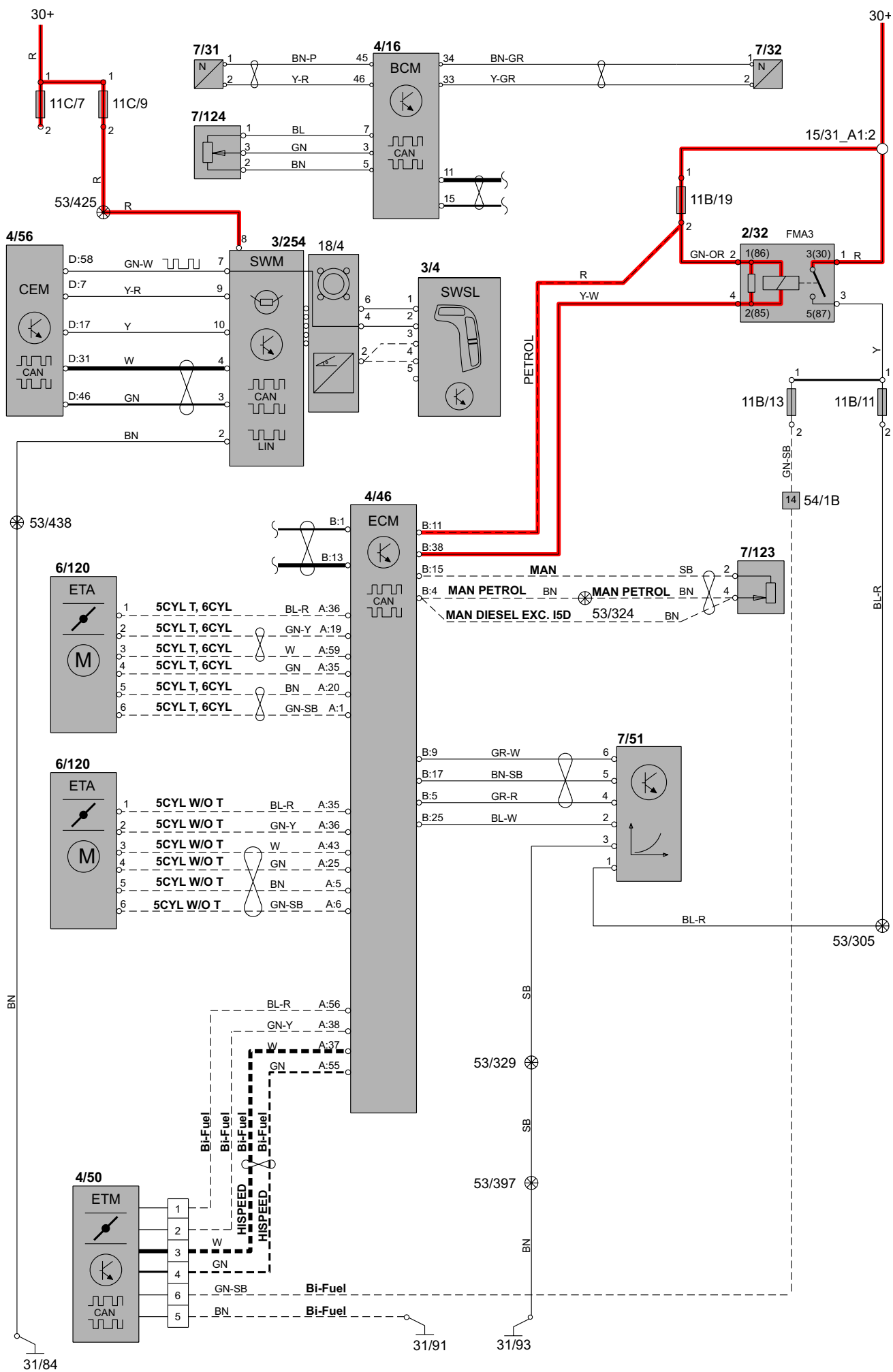


Group 26 Cooling system
Cooling fan I5D



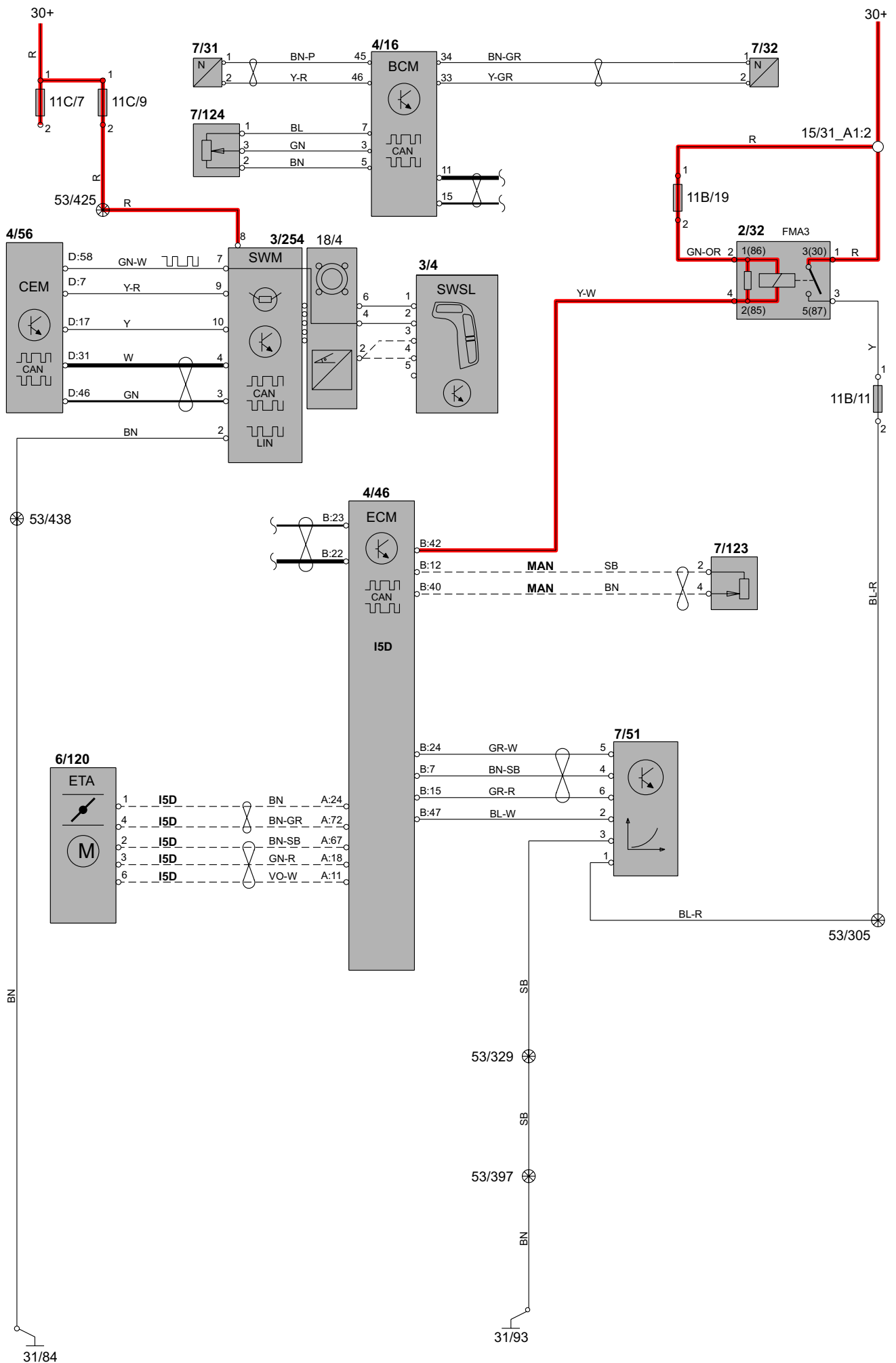
Group 27 Engine control

Cruise control



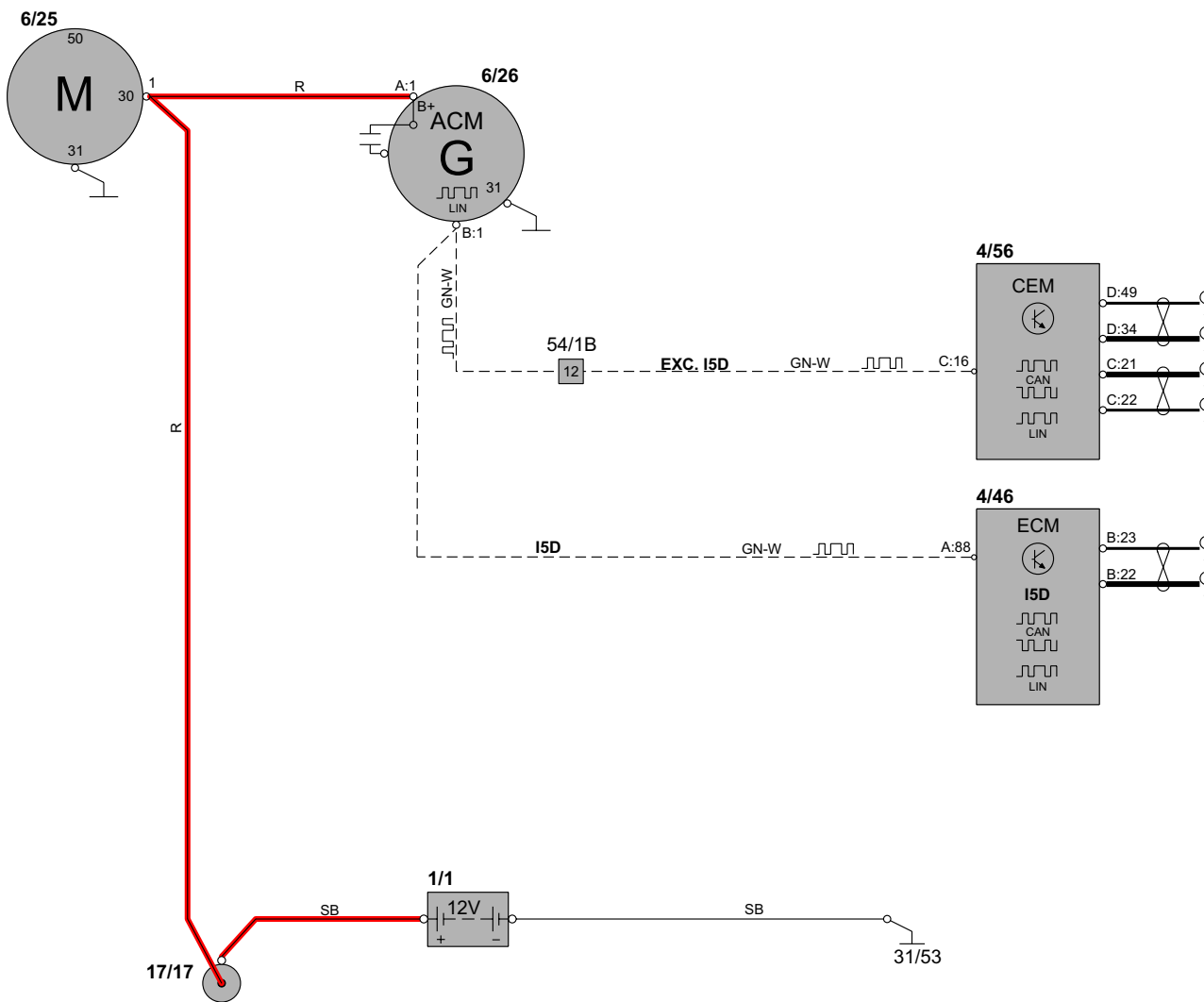
Group 27 Engine control

Cruise control, I5D

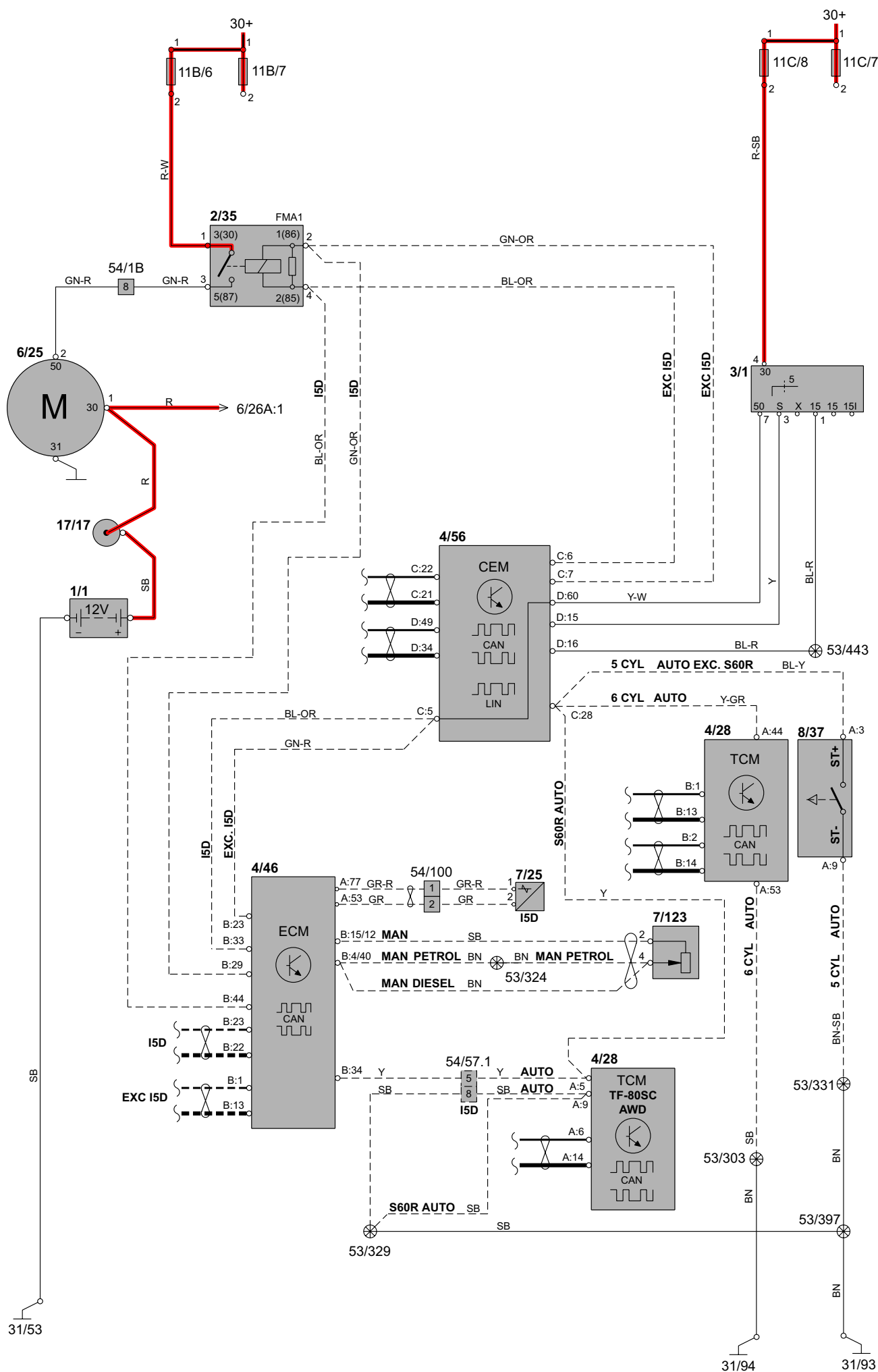


Group 32 Generator and voltage regulator

Power supply

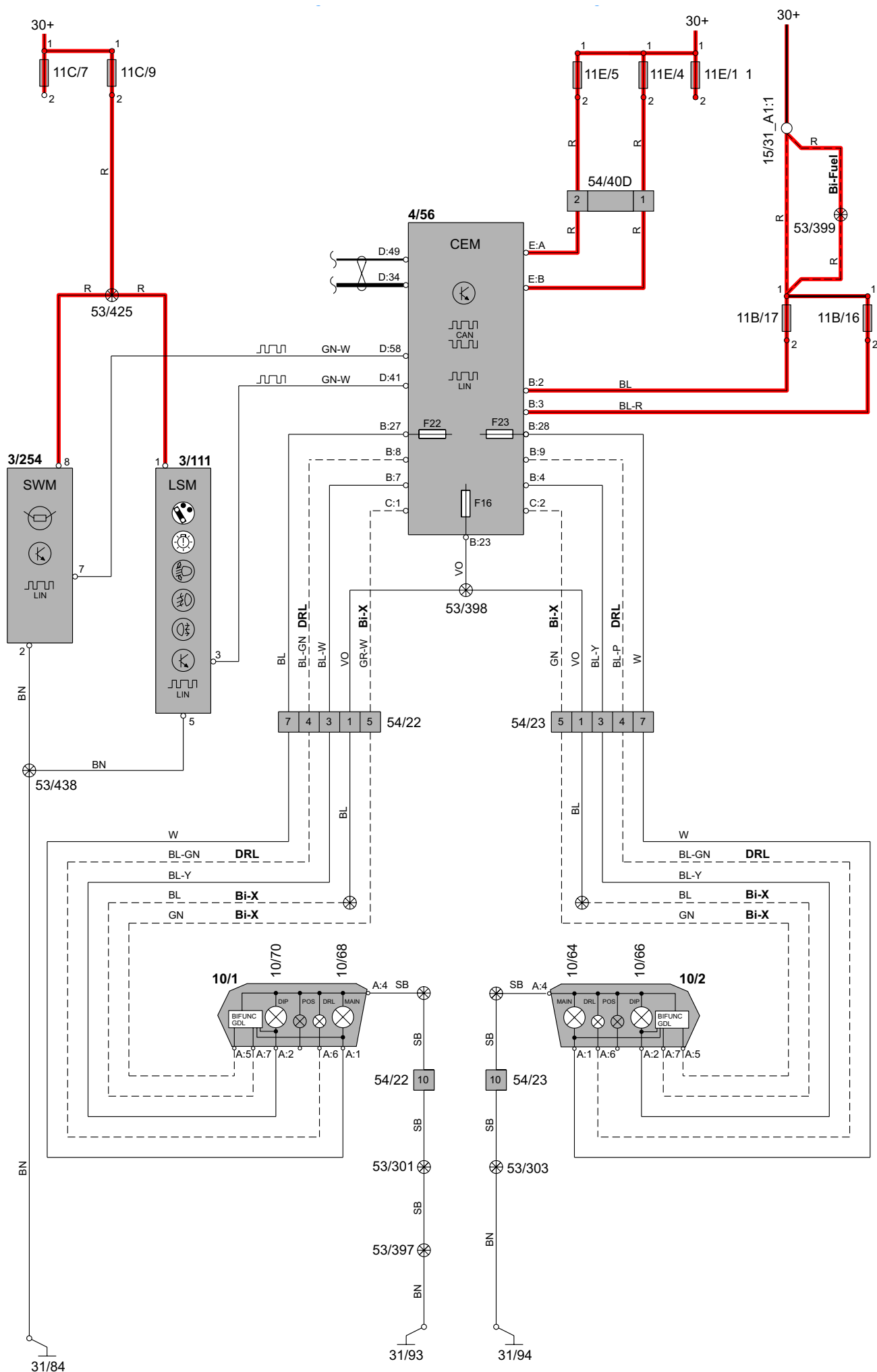


Group 33 Starting system
Starting system



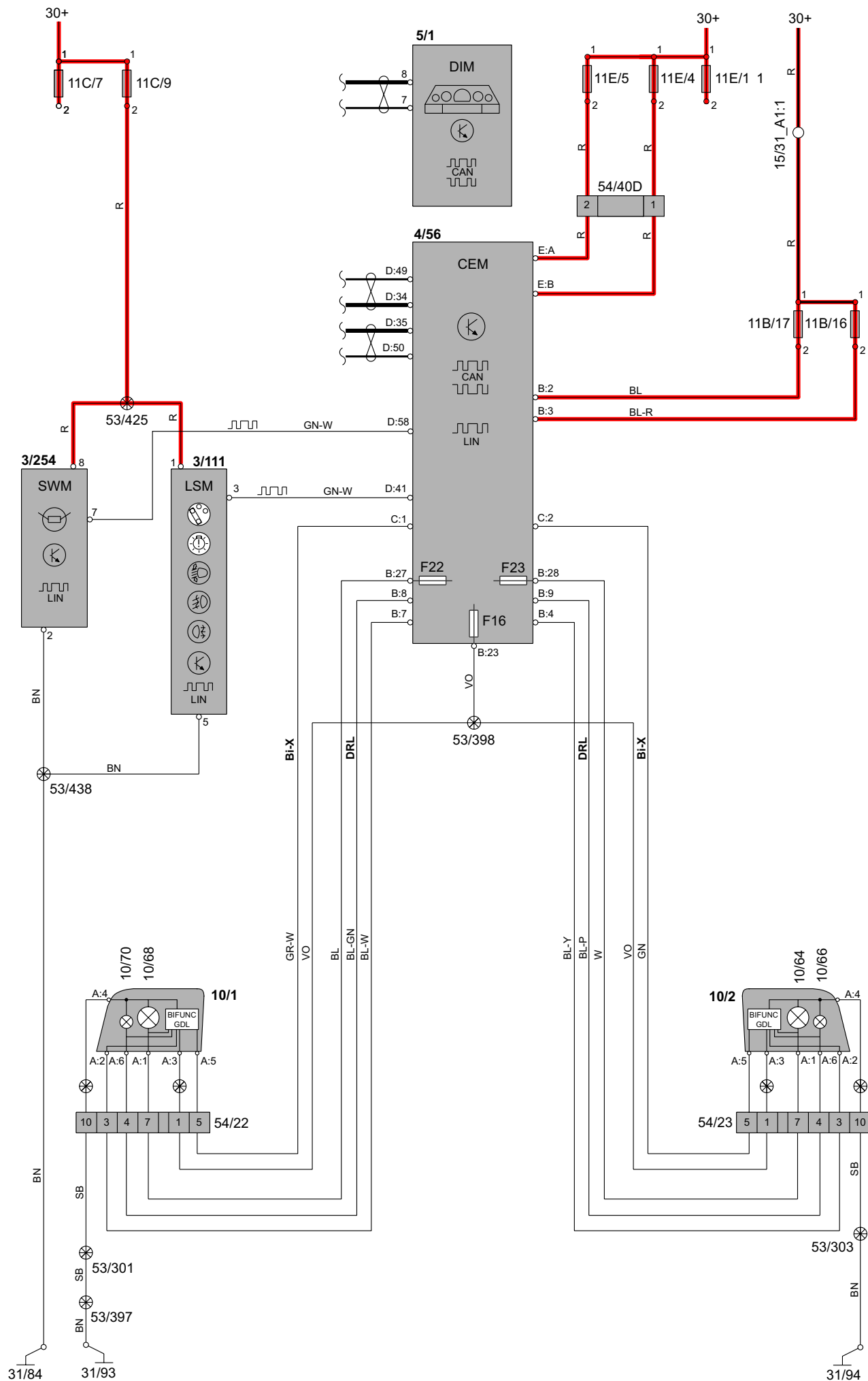
Group 35 Lighting

High and low beam (Bi-Xenon) & daytime running lights S60



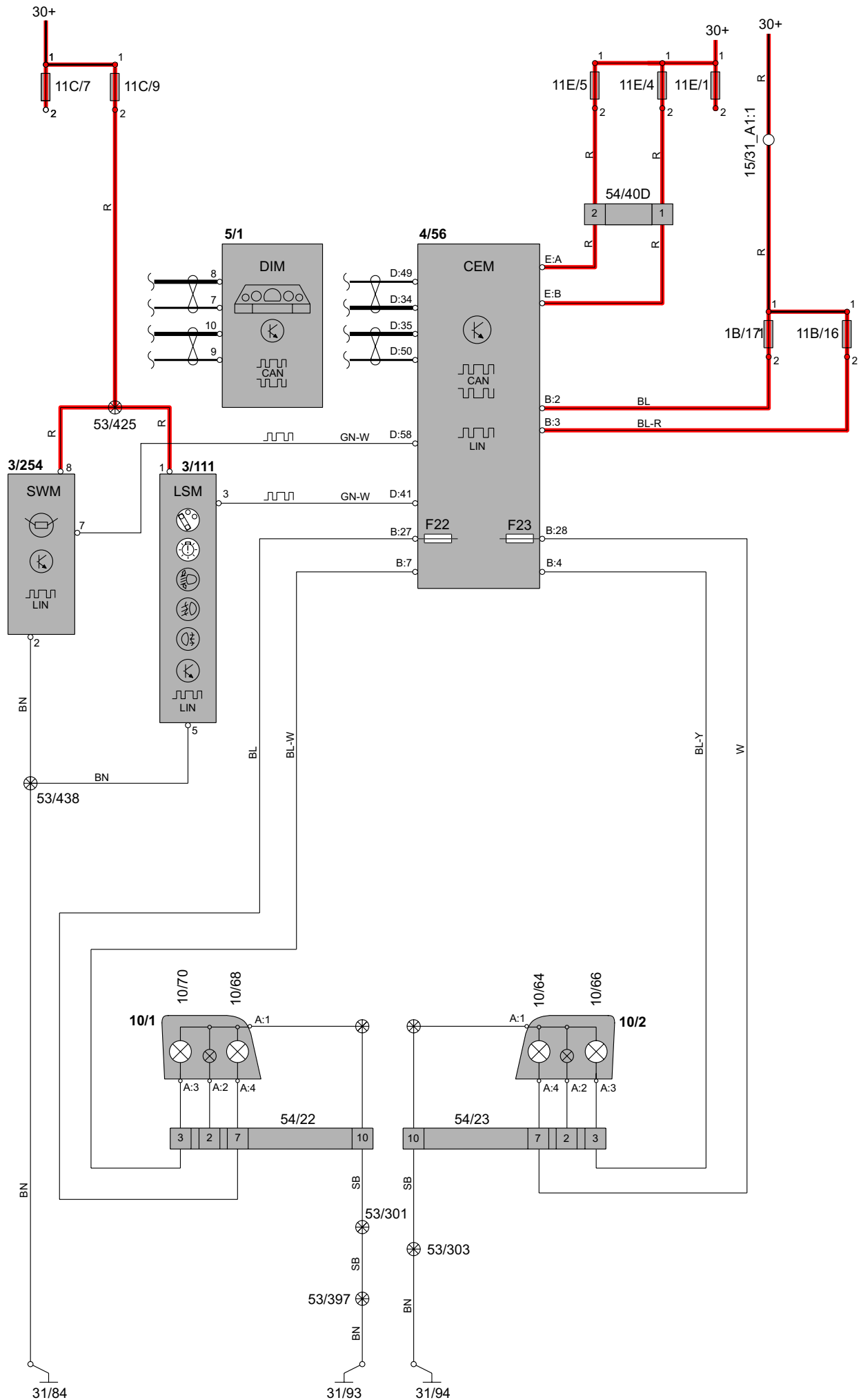
Group 35 Lighting

High and low beam (Bi-Xenon) & daytime running lights S80

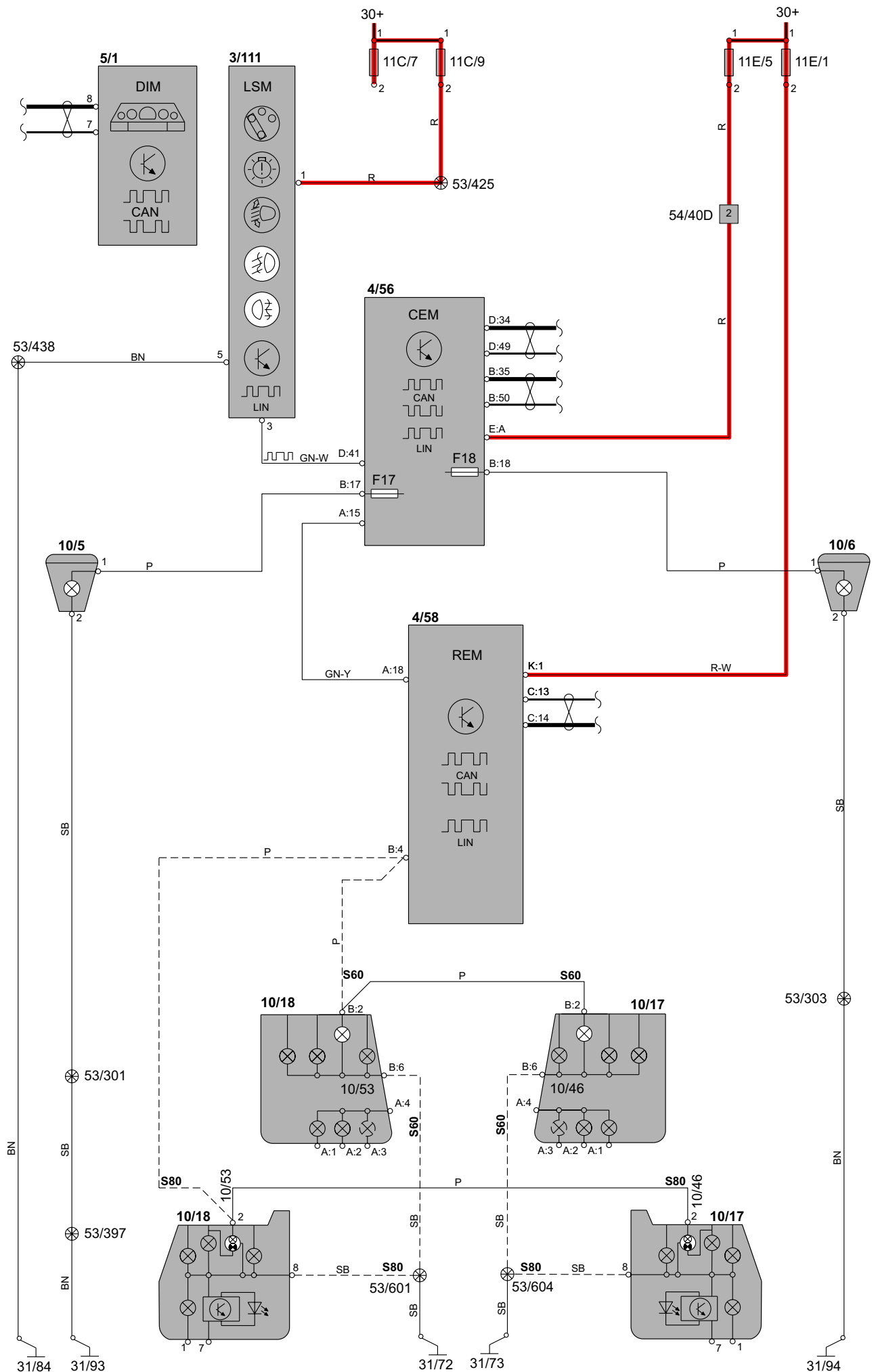


Group 35 Lighting

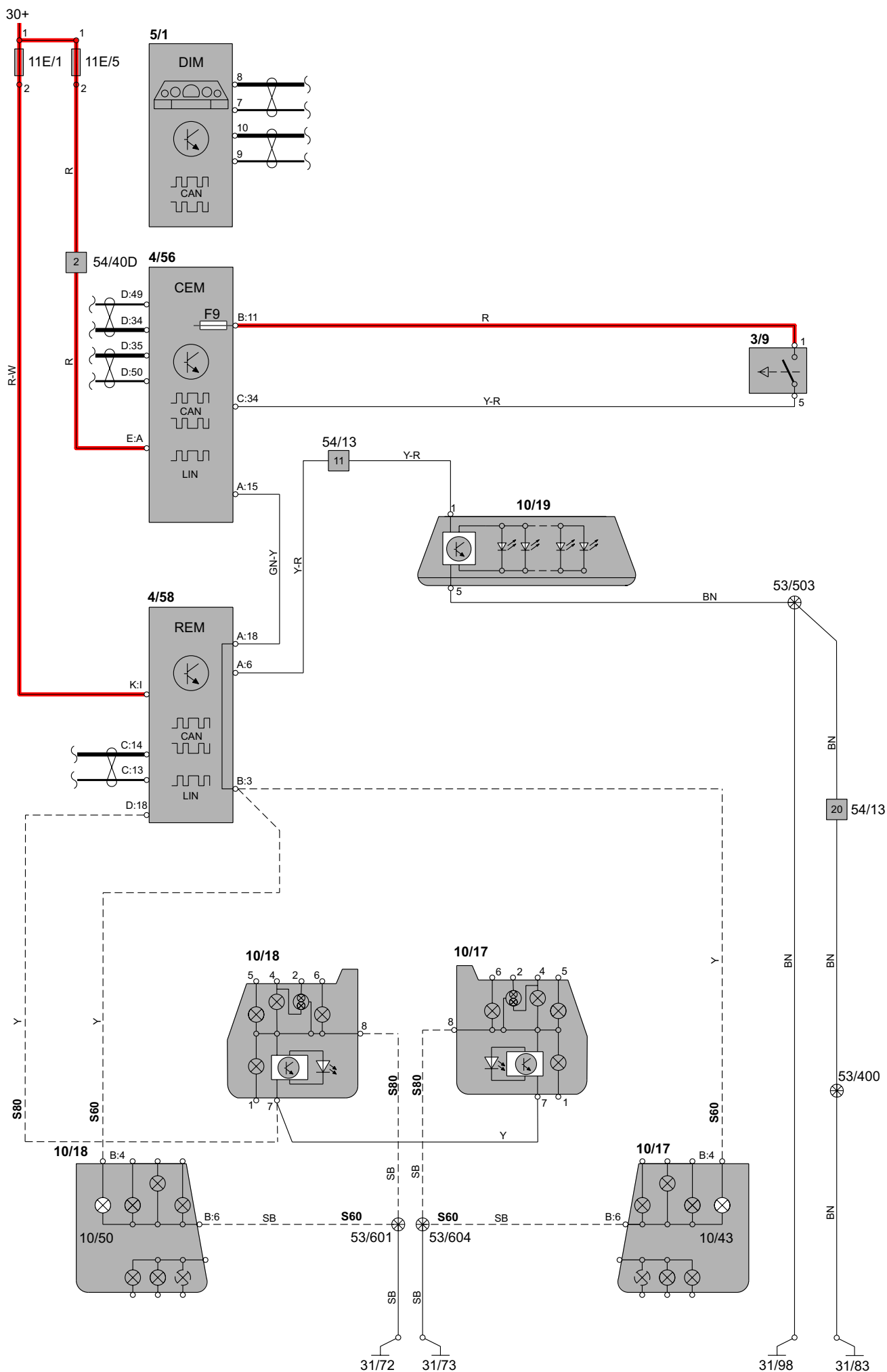
High and low beam S80



Group 35 Lighting Fog lights

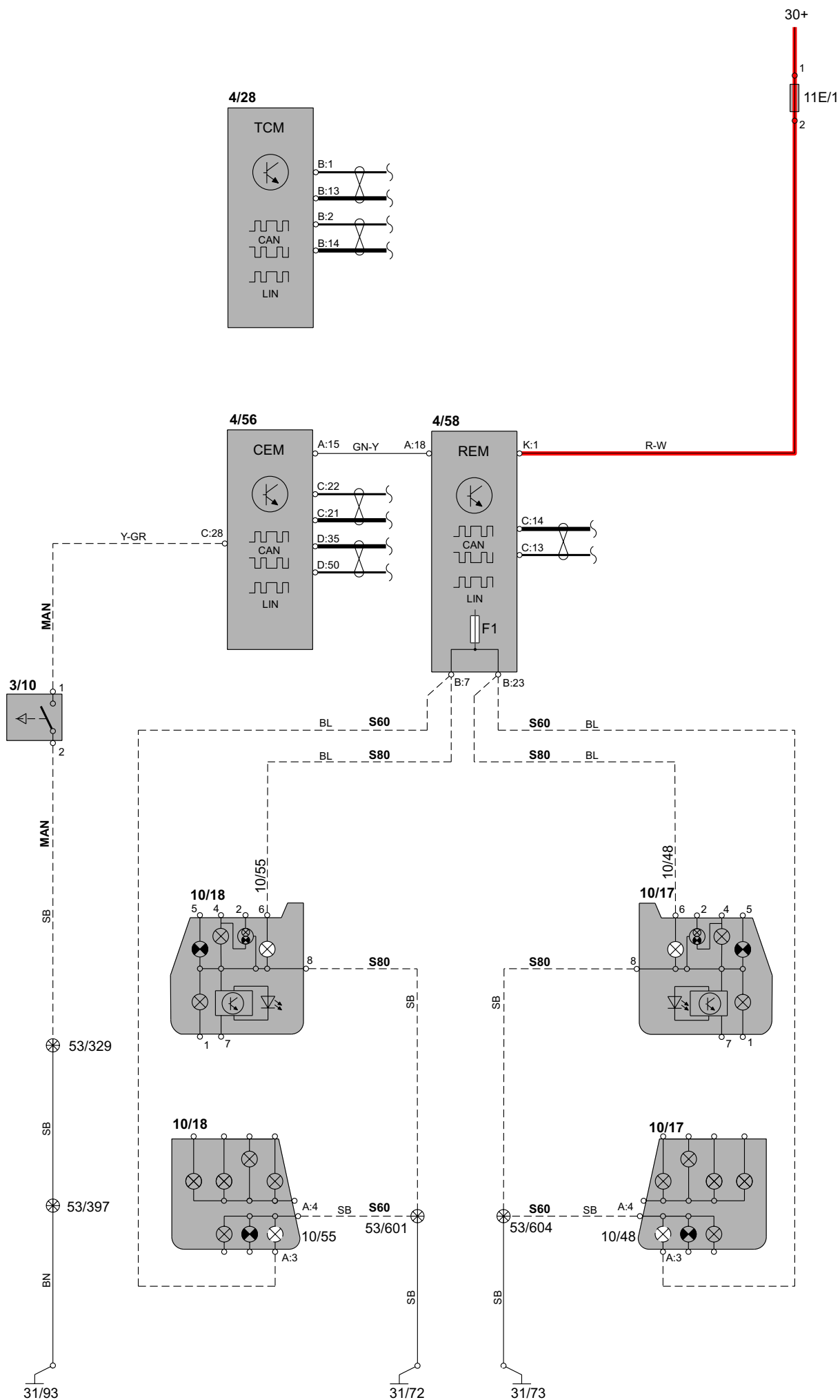


Group 35 Lighting Brake lights



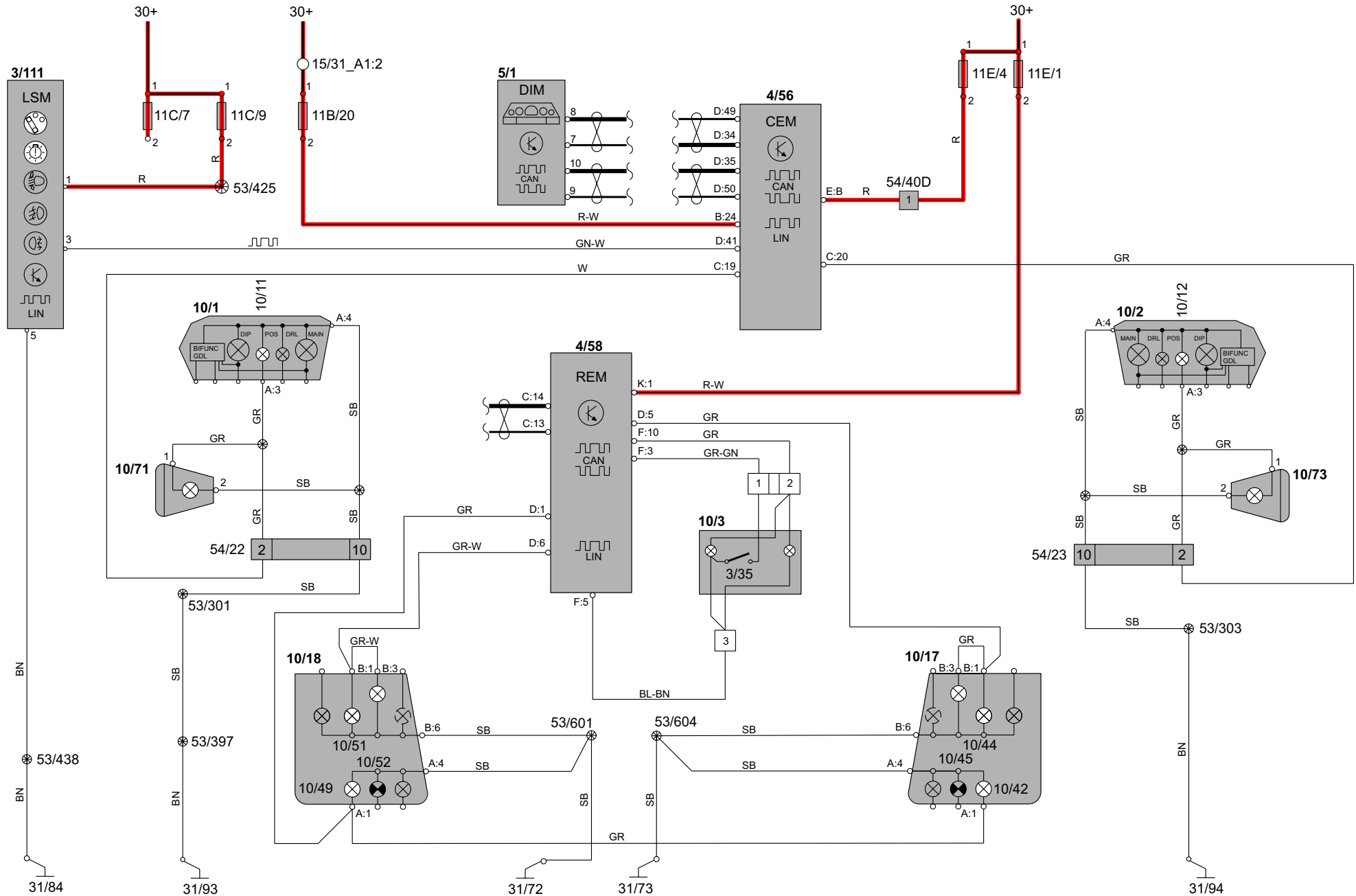
Group 35 Lighting

Reversing lights



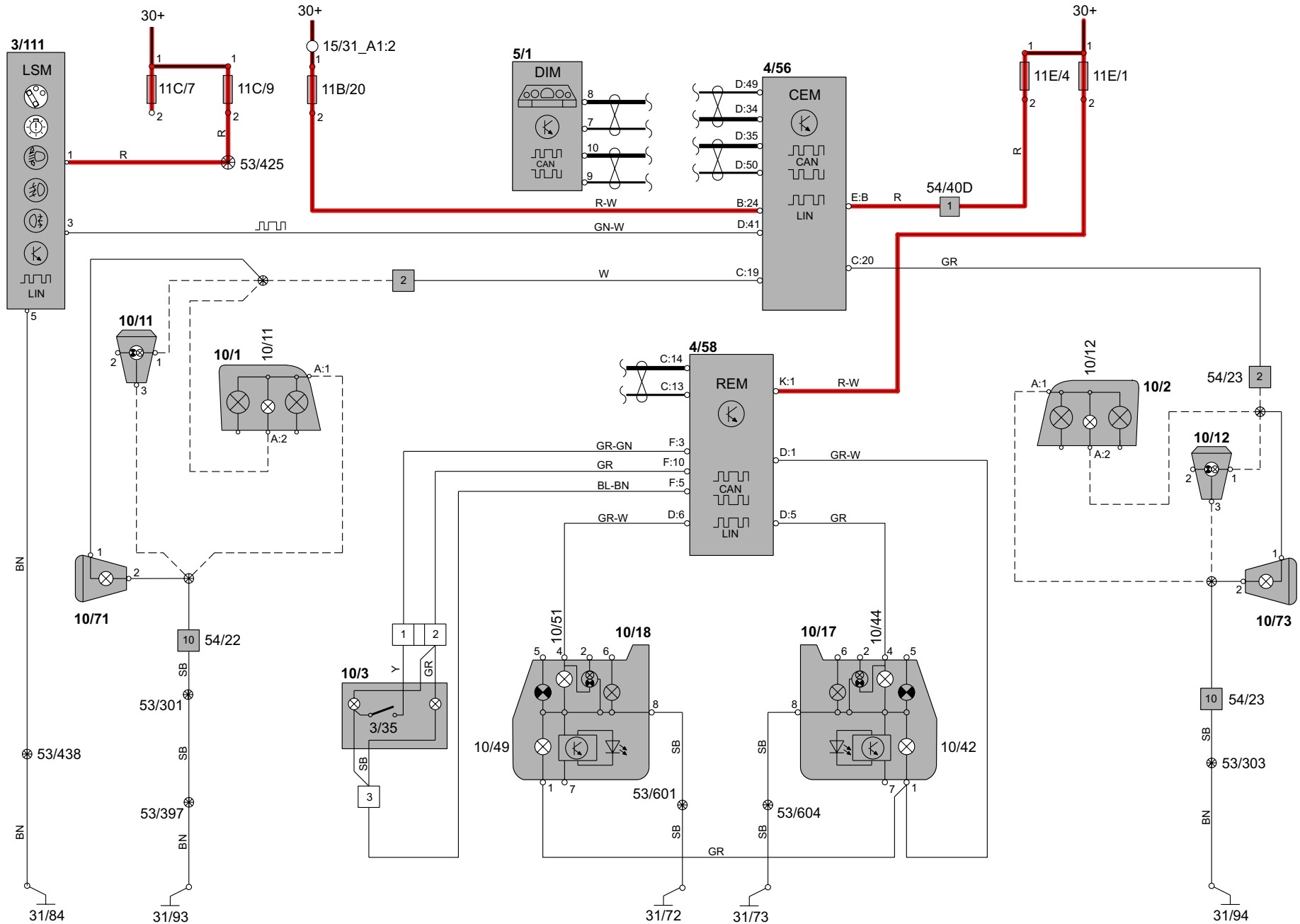
Group 35 Lighting

Running/parking lights, tail lights & license plate lighting S60



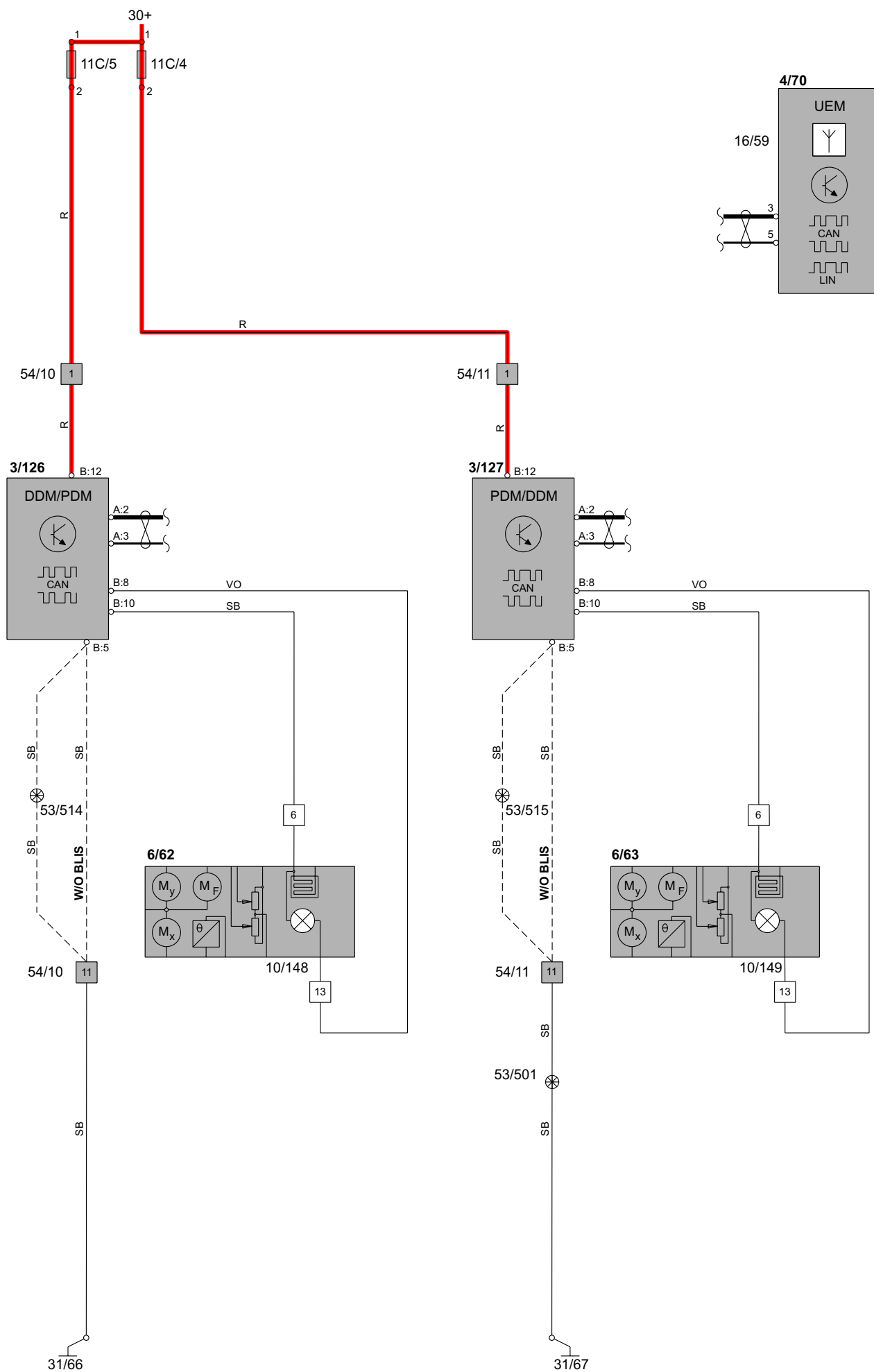
Group 35 Lighting

Running/parking lights, tail lights & license plate lighting S80



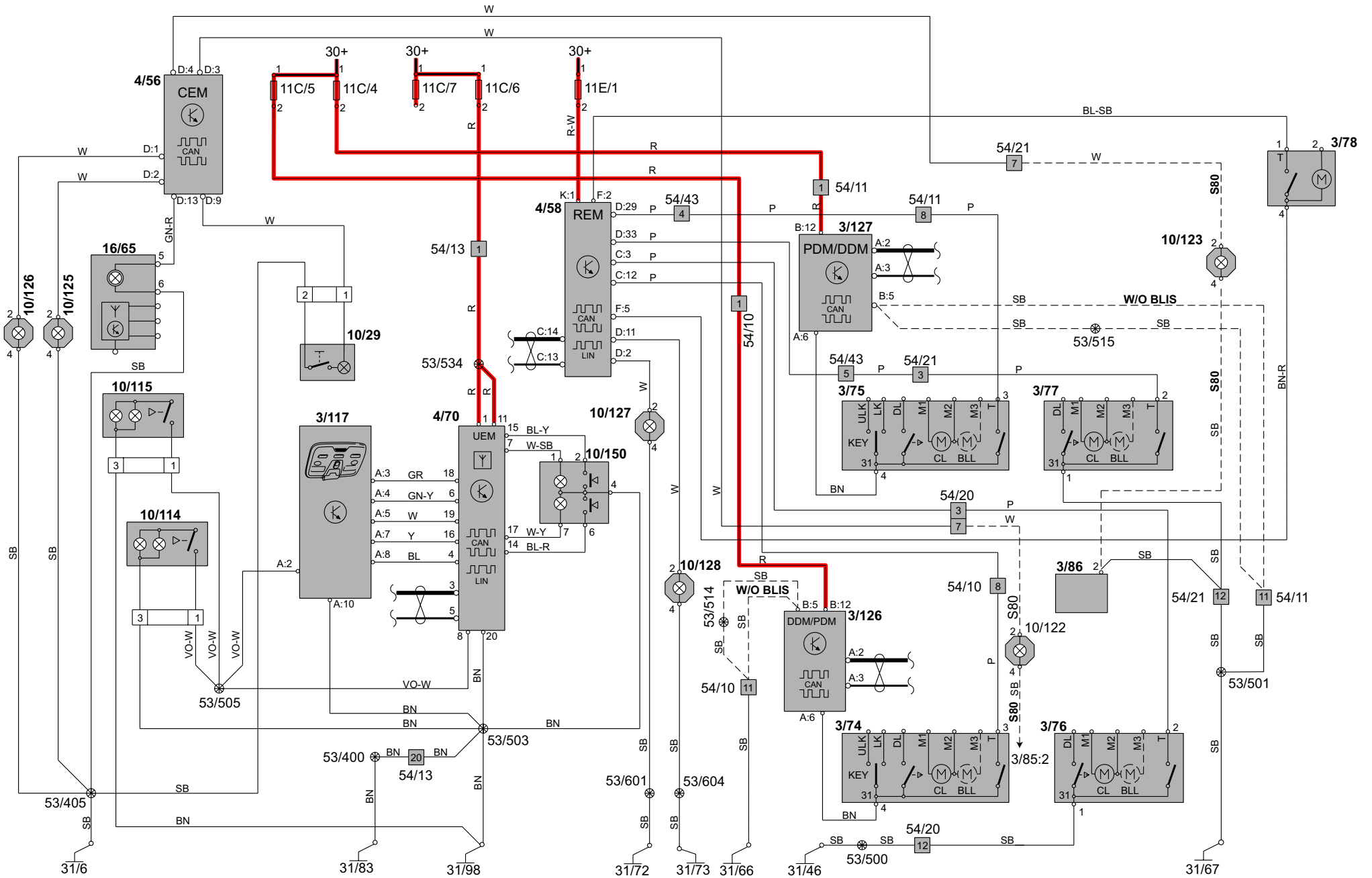
Group 35 Lighting

Home safe lighting



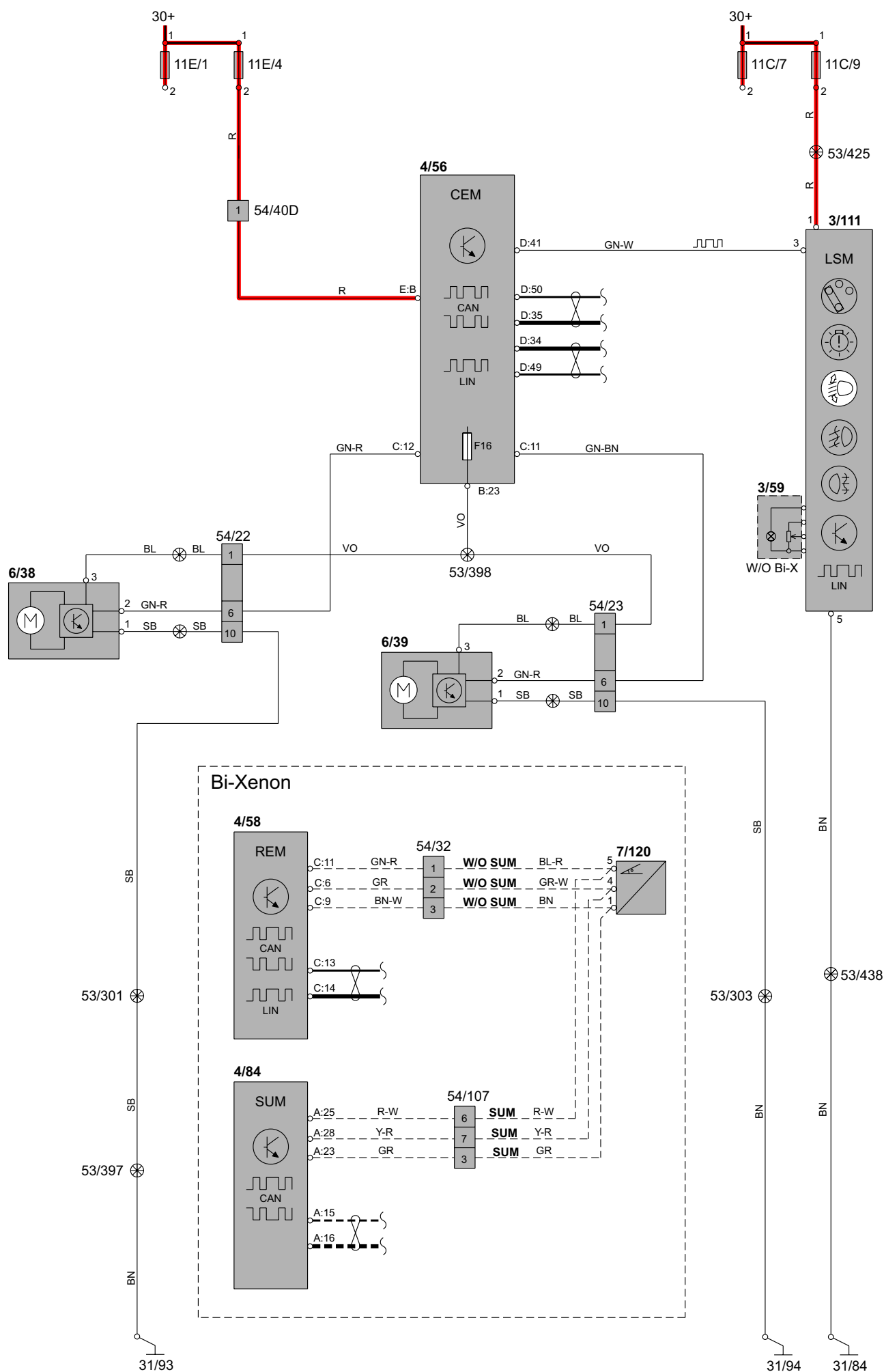
Group 35 Lighting

Interior lighting



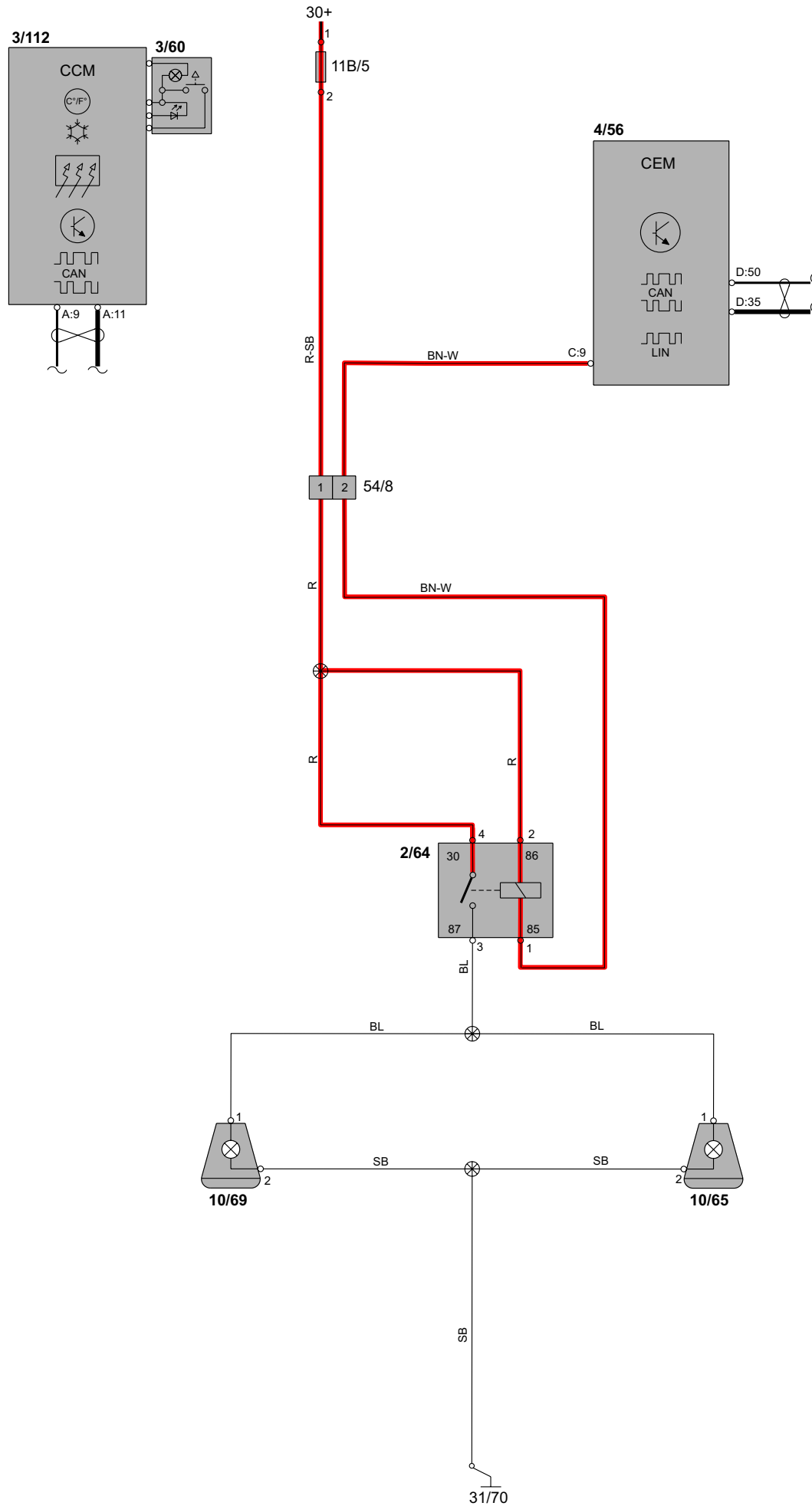
Group 35 Lighting

Beam length adjustment



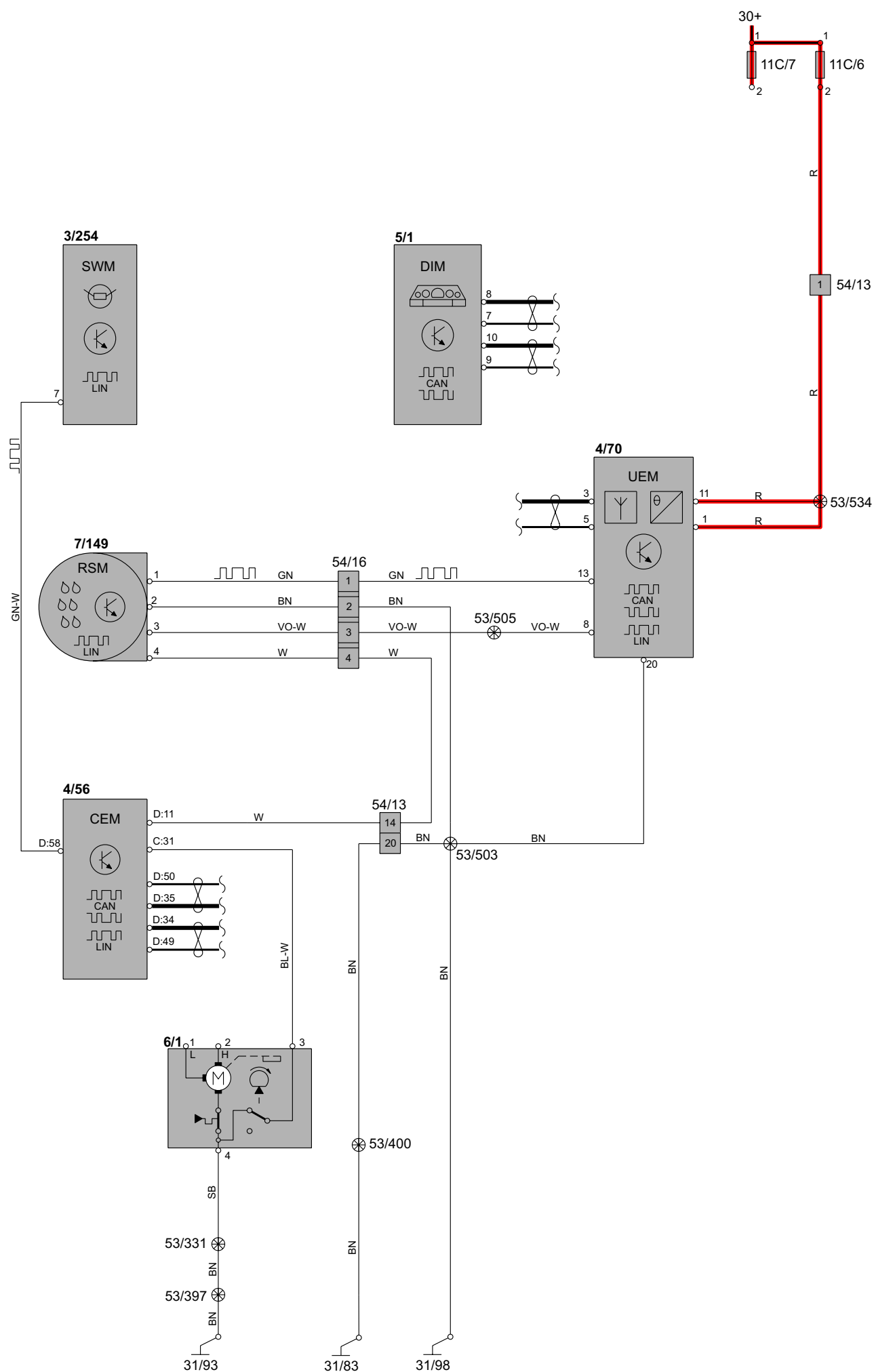
Group 35 Lighting, Accessories

Auxiliary lights



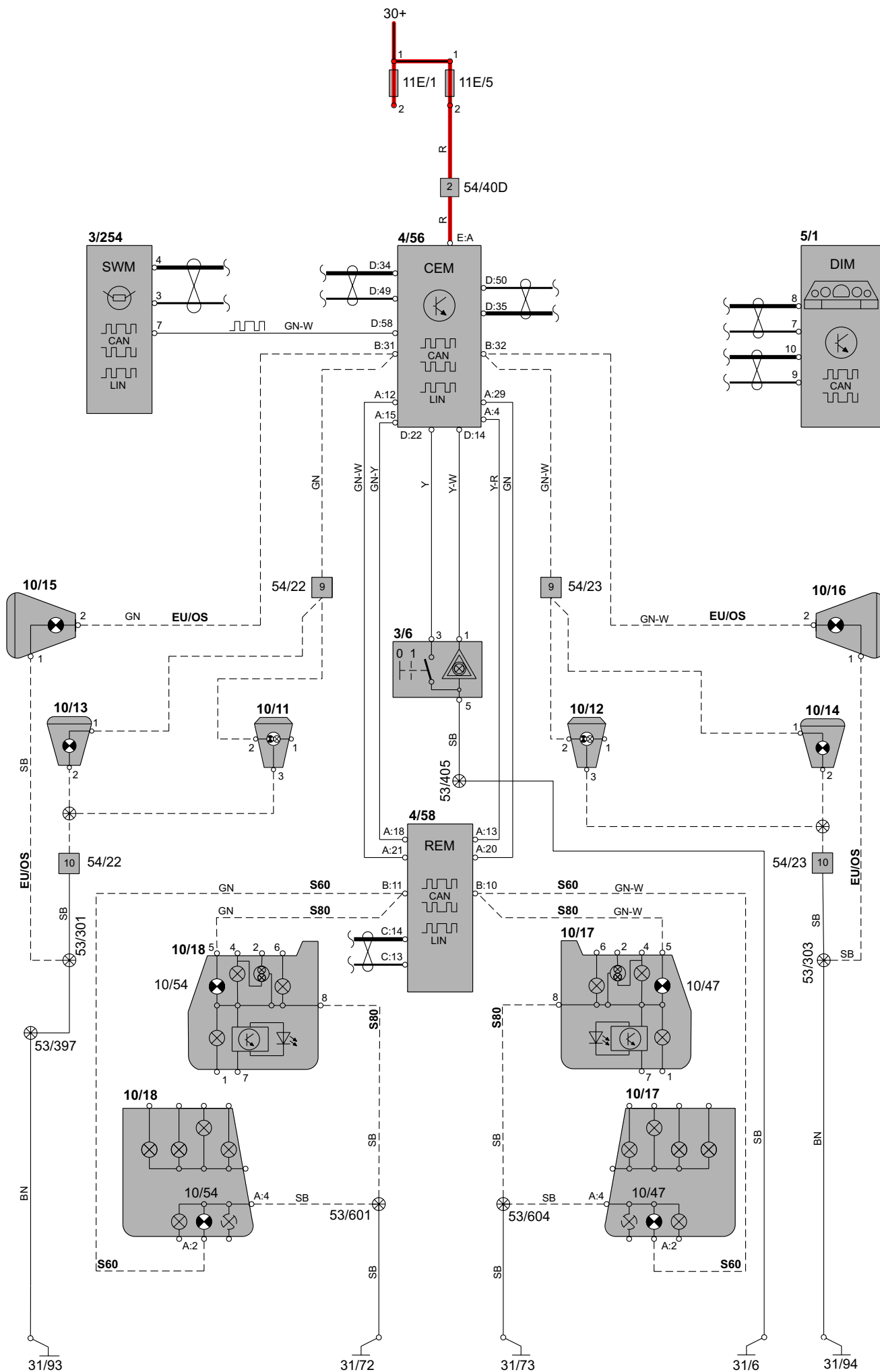
Group 36 Additional electrical equipment

Rain sensor



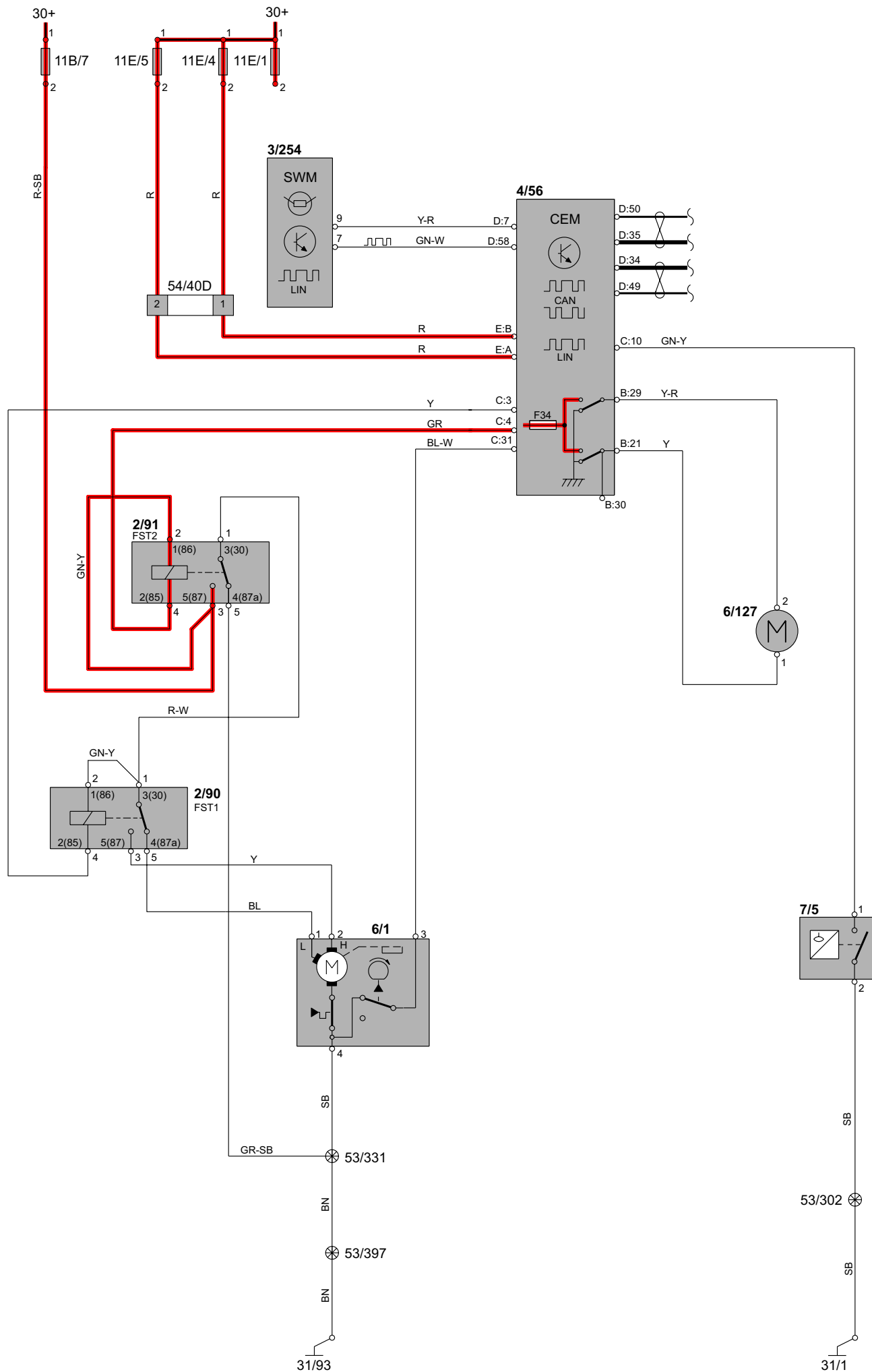
Group 36 Additional electrical equipment

Direction indicator and hazard warning flashers



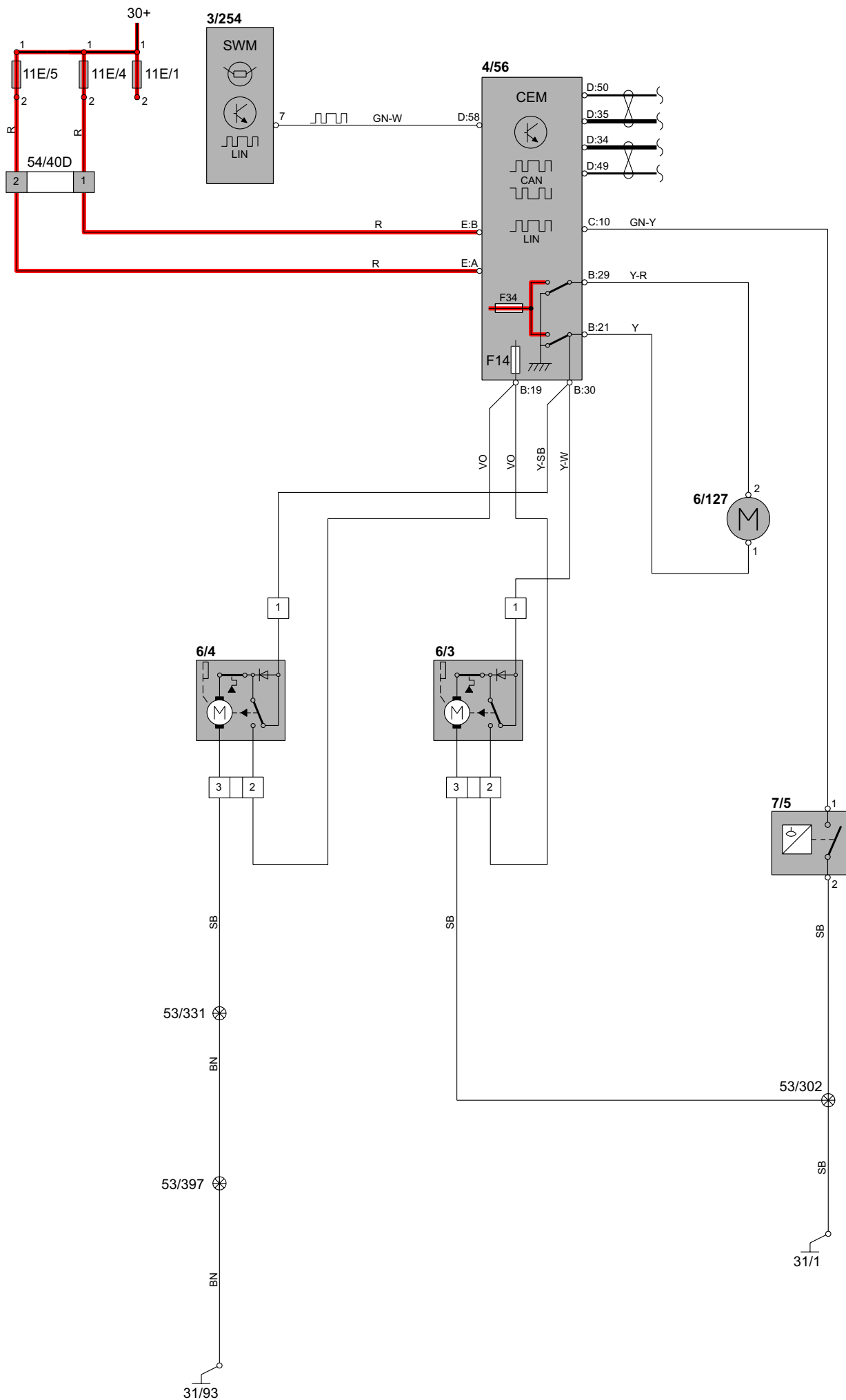
Group 36 Additional electrical equipment

Wiper/washer, windshield

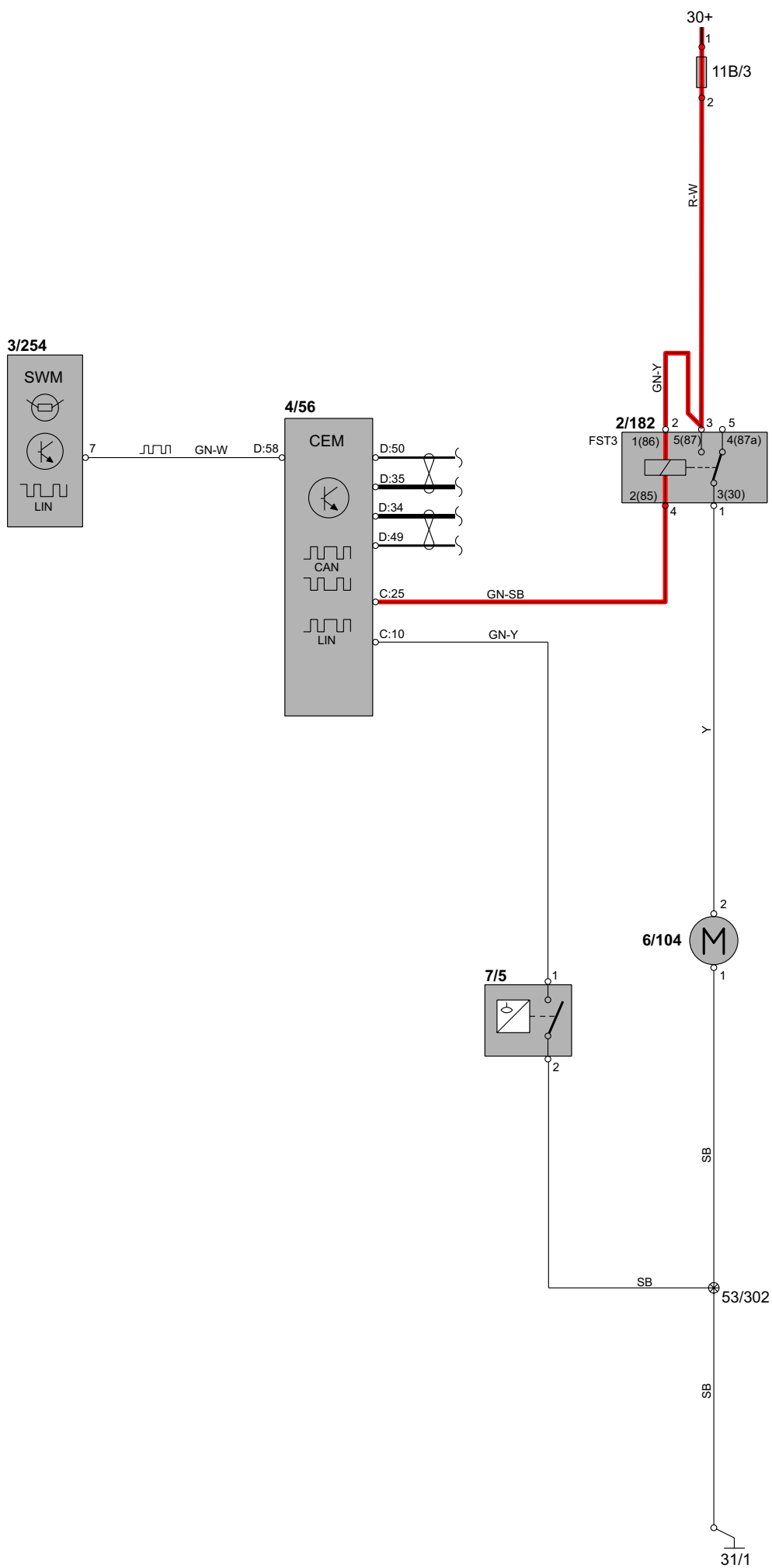


Group 36 Additional electrical equipment

Wiper/washer, headlights

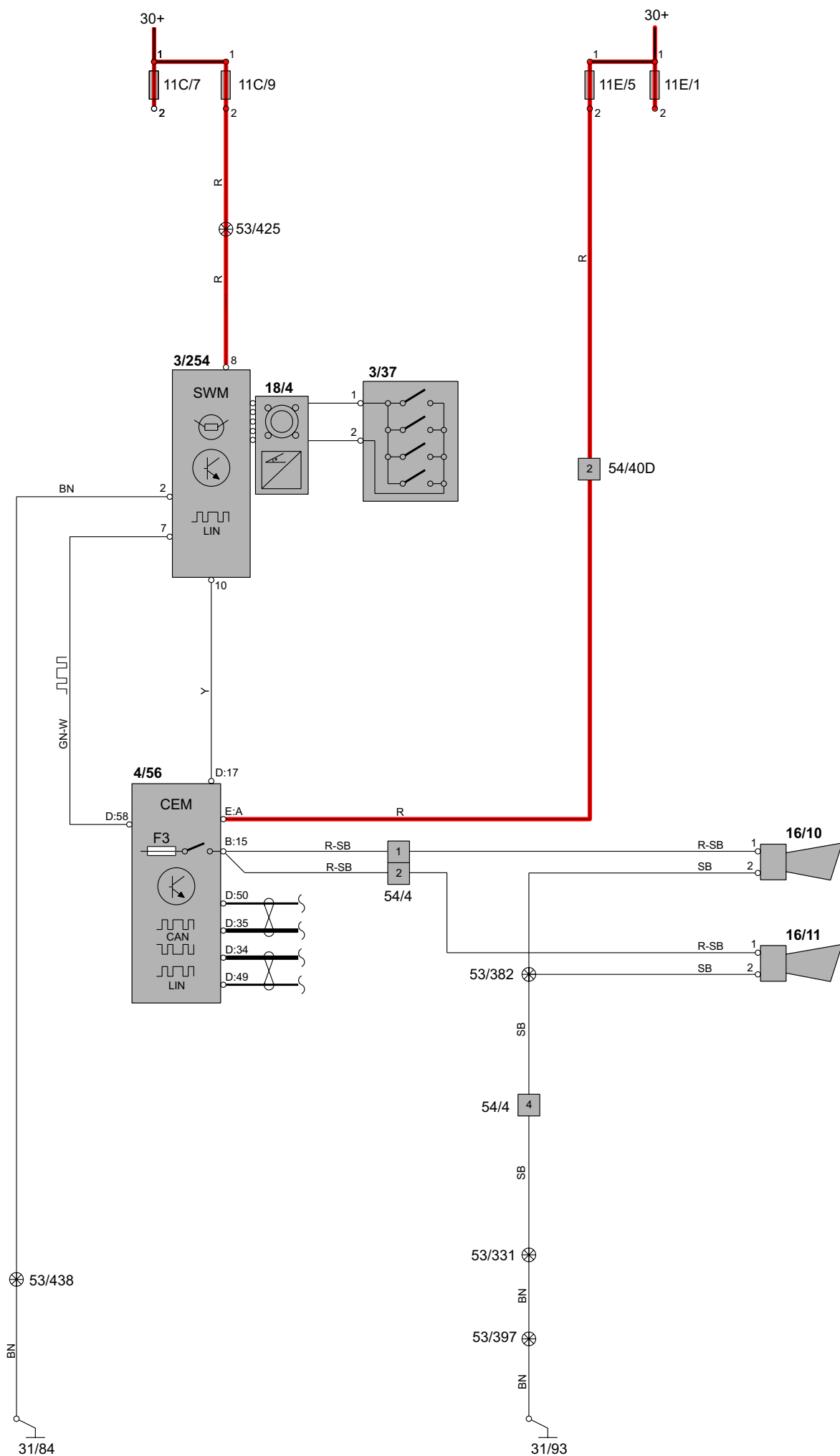


Group 36 Additional electrical equipment High pressure headlight washer



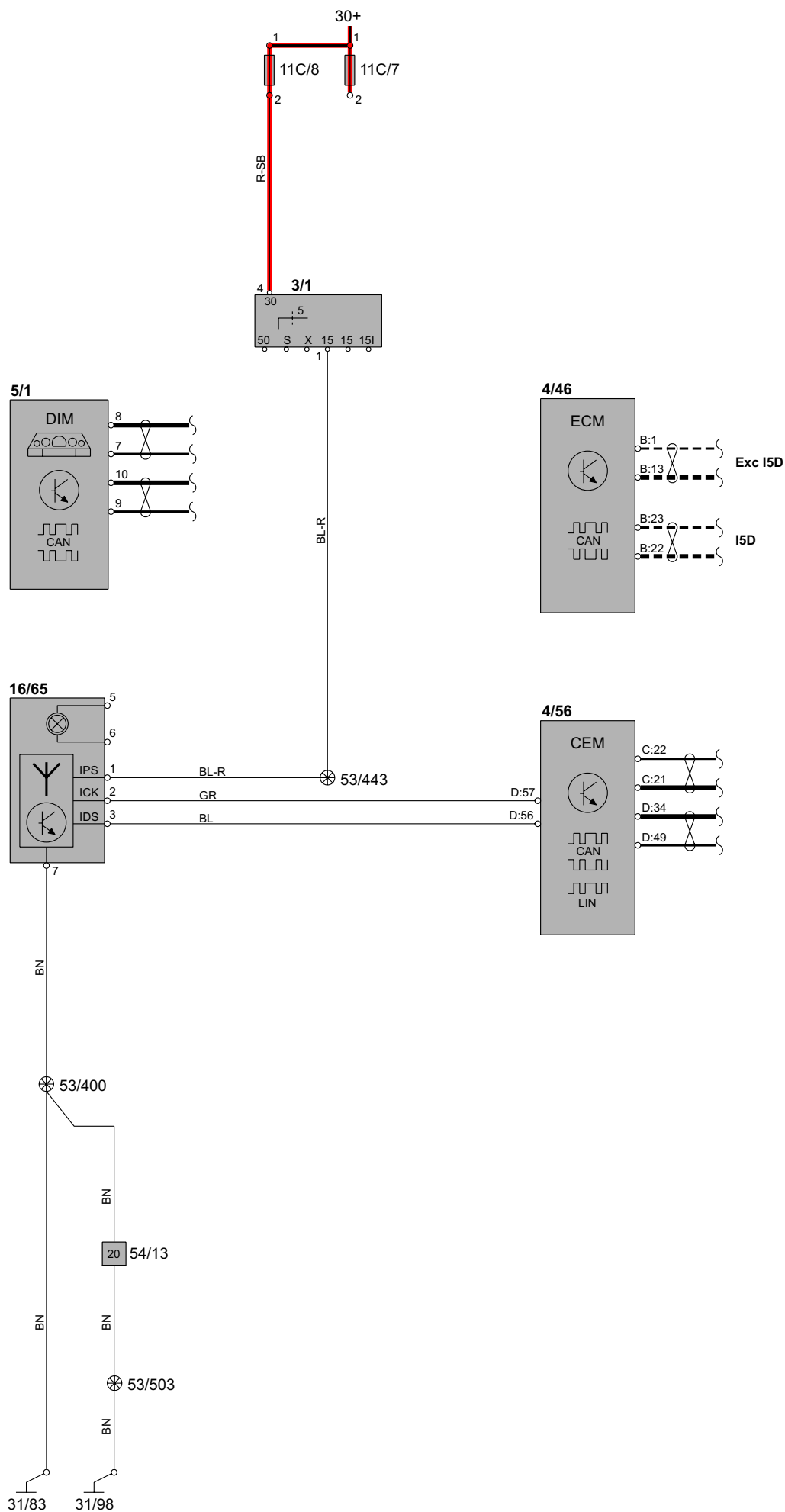
Group 36 Additional electrical equipment

Horn

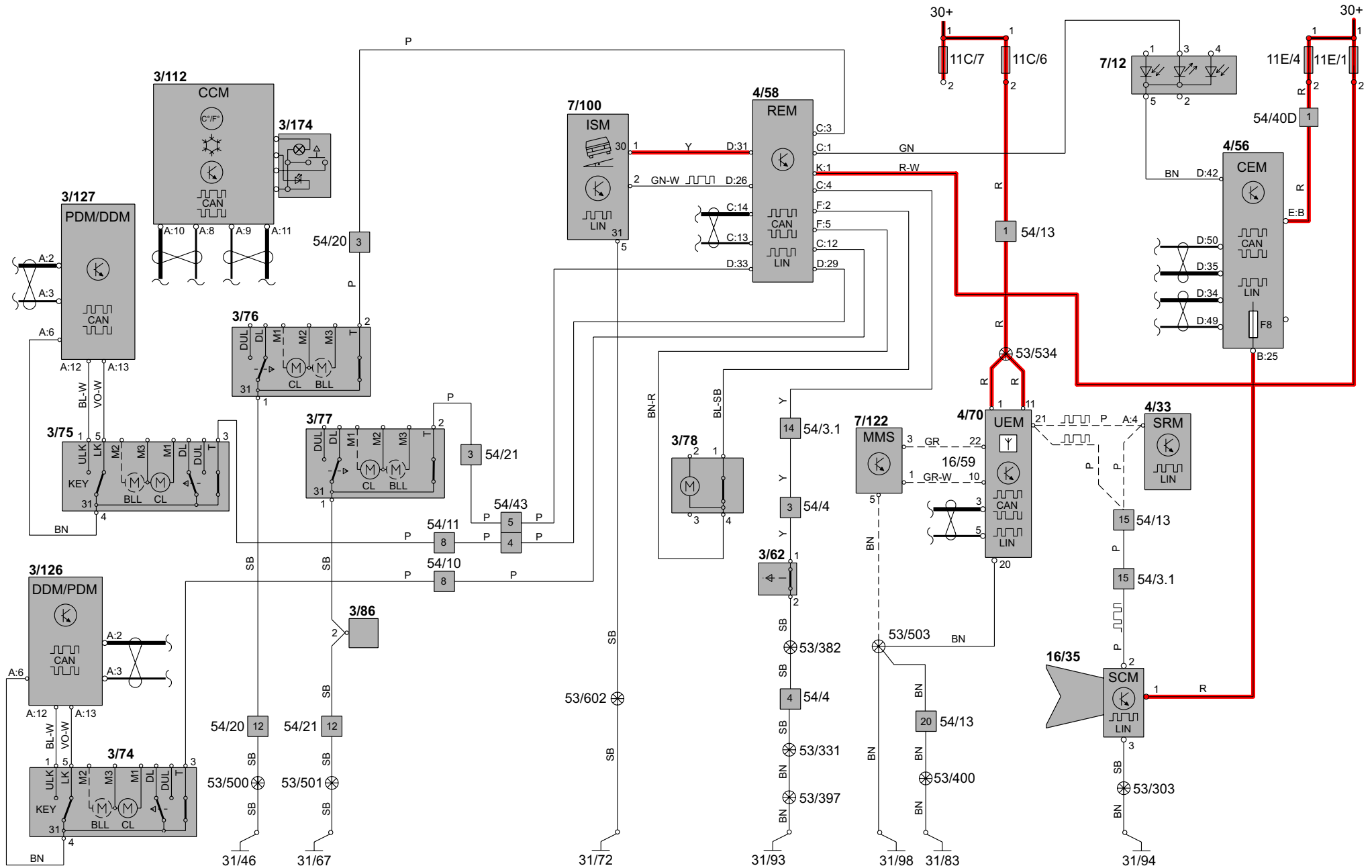


Group 36 Additional electrical equipment

Electronic immobilizer

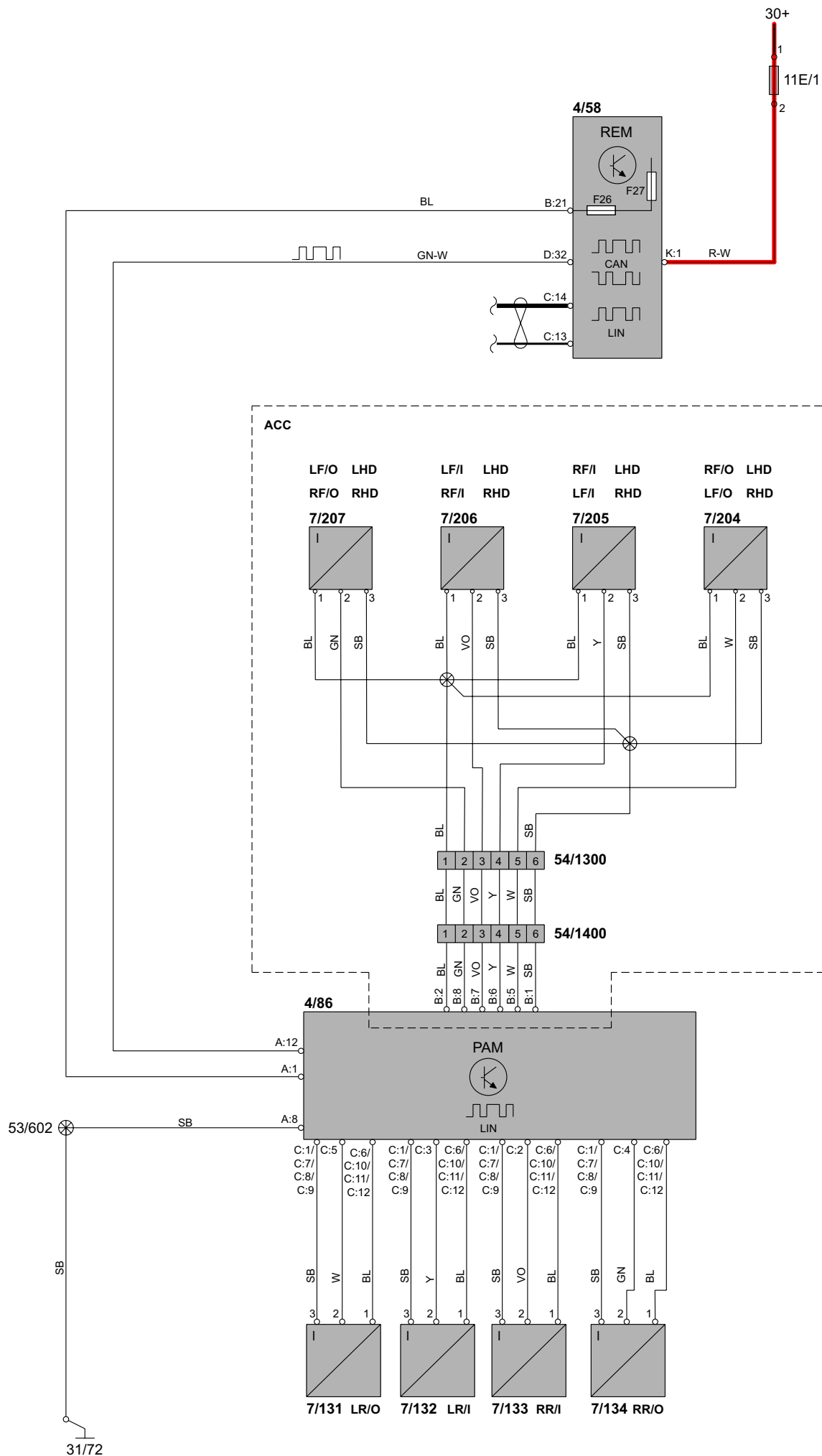


Group 36 Additional electrical equipment
Anti-theft alarm



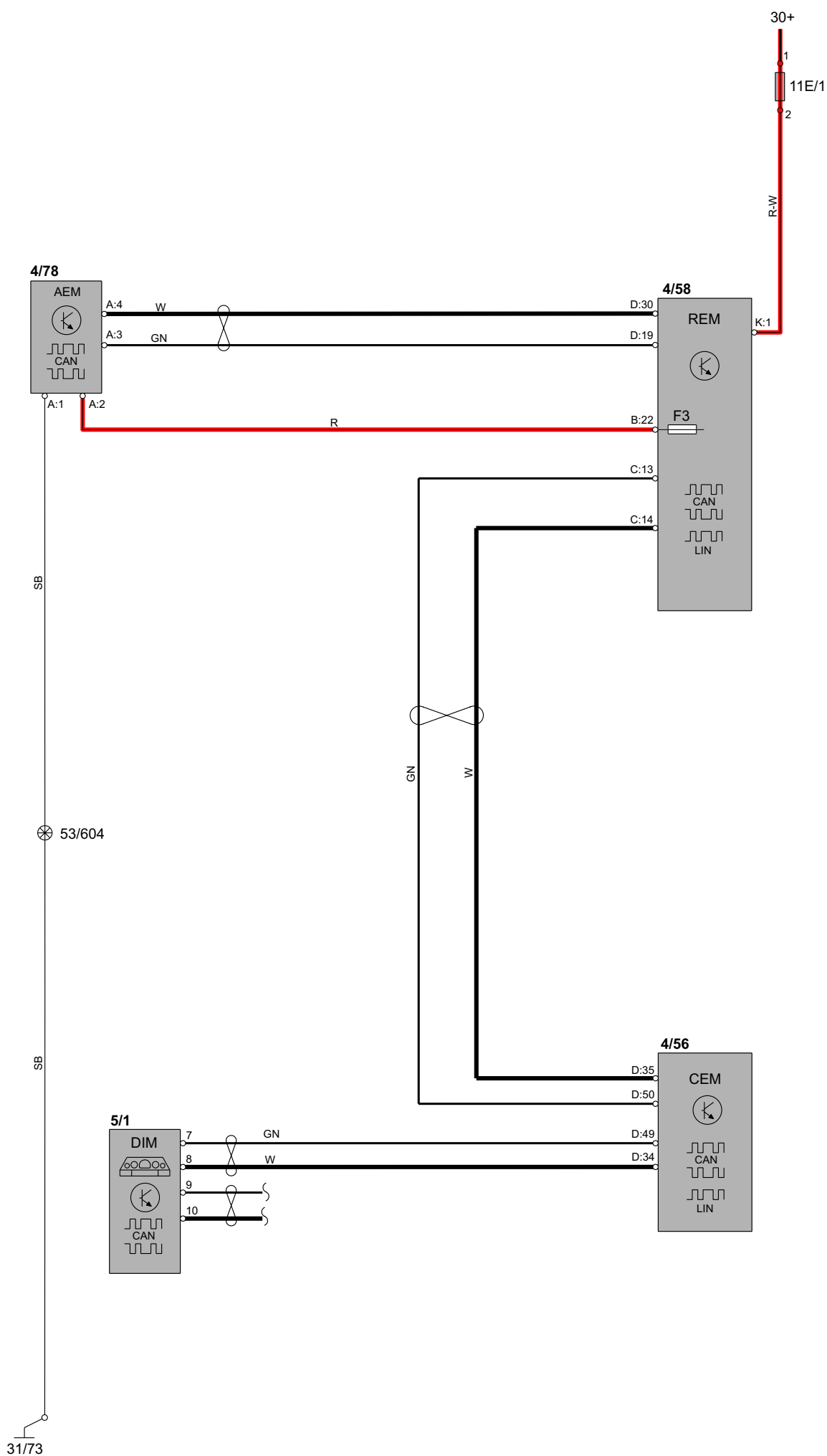
Group 36 Additional electrical equipment

Parking assistance



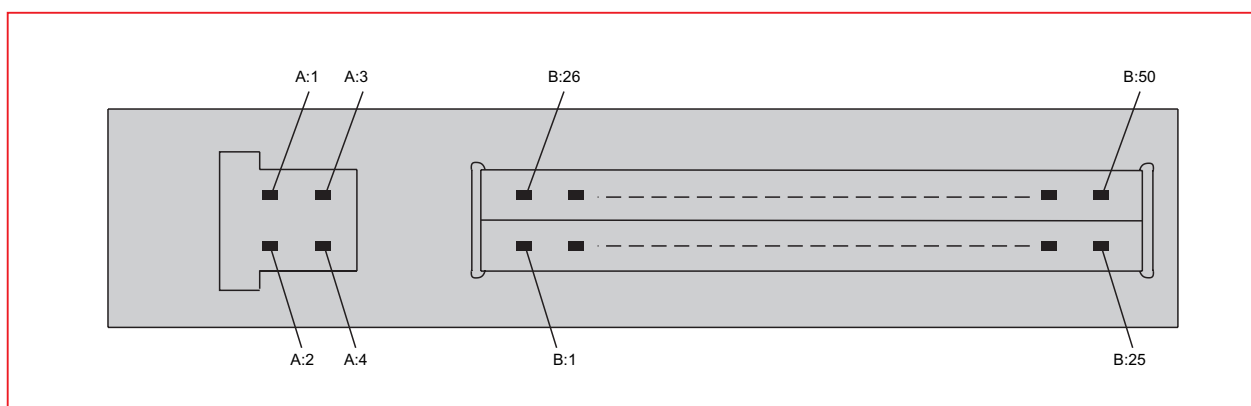
Group 36 Additional electrical equipment, Accessories

Accessory Electronic Module (AEM) 1:2



Group 36 Additional electrical equipment, Accessories

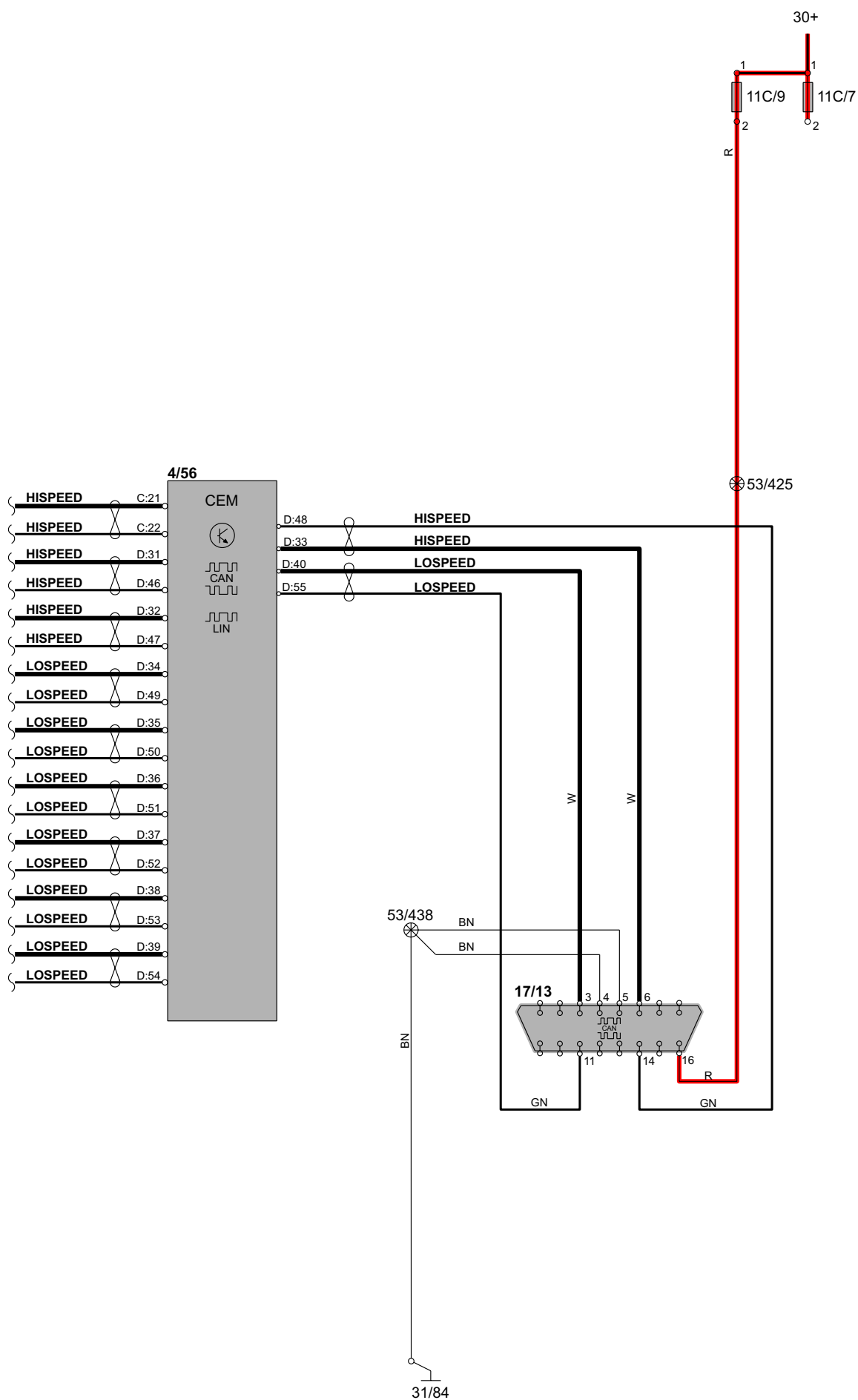
Accessory Electronic Module (AEM) 2:2



Pos	Function	Type
A:1	Electrical distribution	Ground
A:2	Electrical distribution	Feed
A:3	CAN communication	Input/output signals
A:4	CAN communication	Input/output signals
B:1	Remote heater start, minicall	Feed
B:2	Remote heater start, minicall	Ground
B:3	Remote heater start, minicall Remote heater start, radio signal	Input signal
B:5	Engine heater	Steering, alternating current feed
B:6	Parking assistance	Feed
B:7	Parking assistance	Input signal
B:8	Parking assistance	Ground
B:11	Handsfree, audio disengage	Input signal
B:12	Audio disengage	Output signal
B:13	Rheostat, audio	Output signal
B:14	Speed signal, audio Speed signal, RTI Japan	Output signal
B:15	Alarm signal	Output signal
B:16	Alarm signal	Output signal
B:30	Antenna amplifier, audio	Feed Output signal
B:33	Alarm signal RTI Japan	Output signal Steering, X-feed
B:34	Alarm signal Reverse gear signal, RTI Japan	Output signal

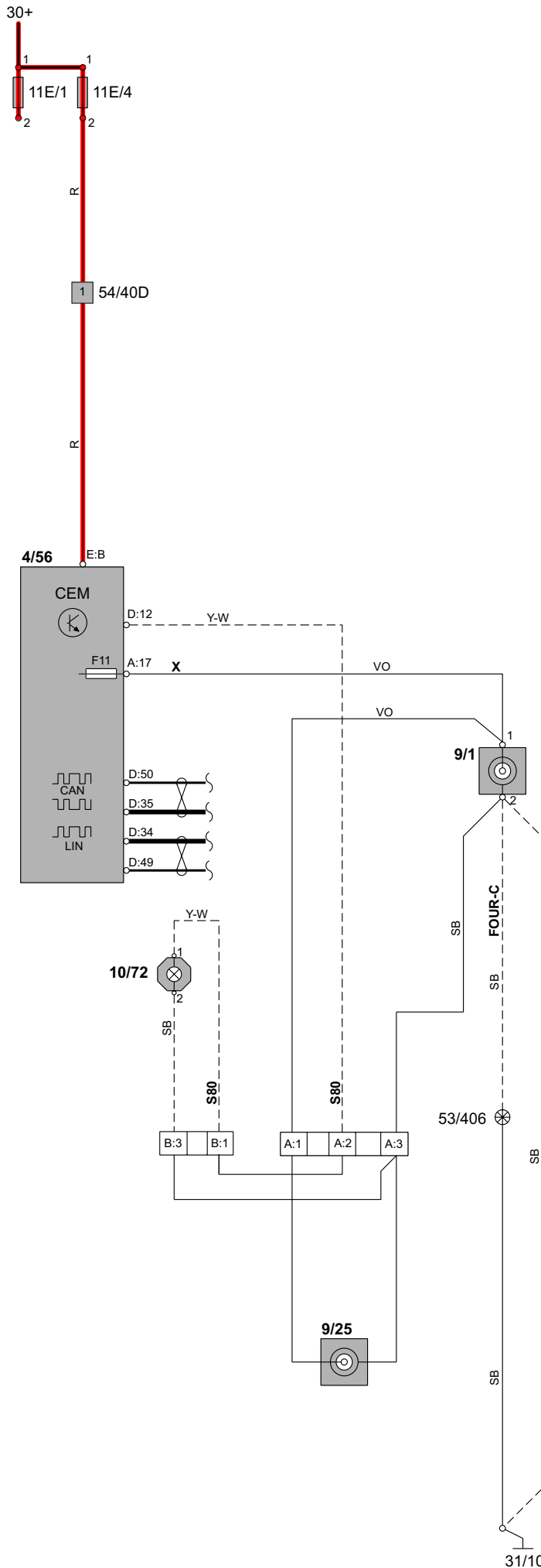
Group 37 Wiring and fuses

Diagnostics system



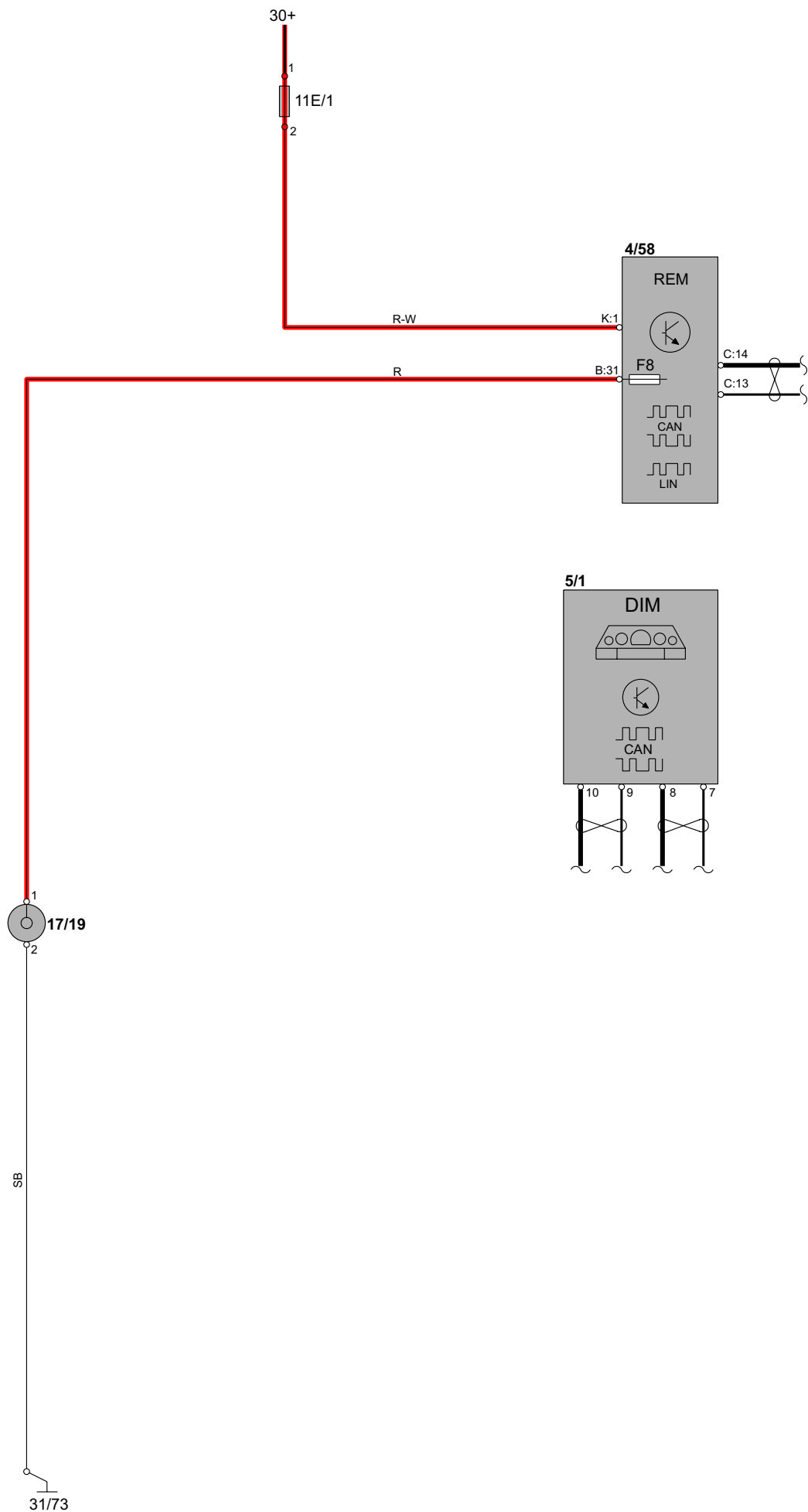
Group 37 Wiring and fuses

12V outlet



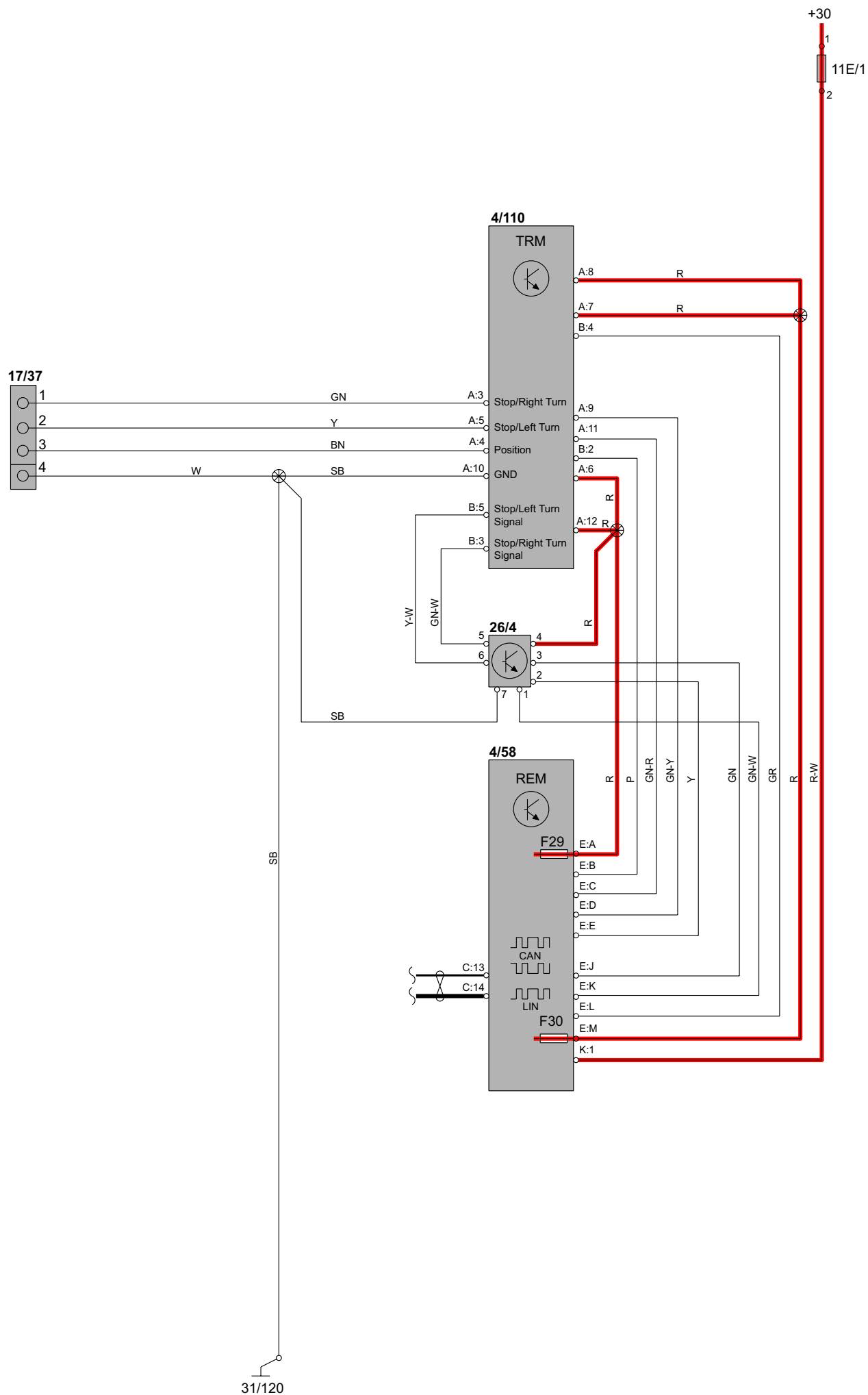
Group 37 Wiring and fuses, Accessories

12V outlet, cargo compartment



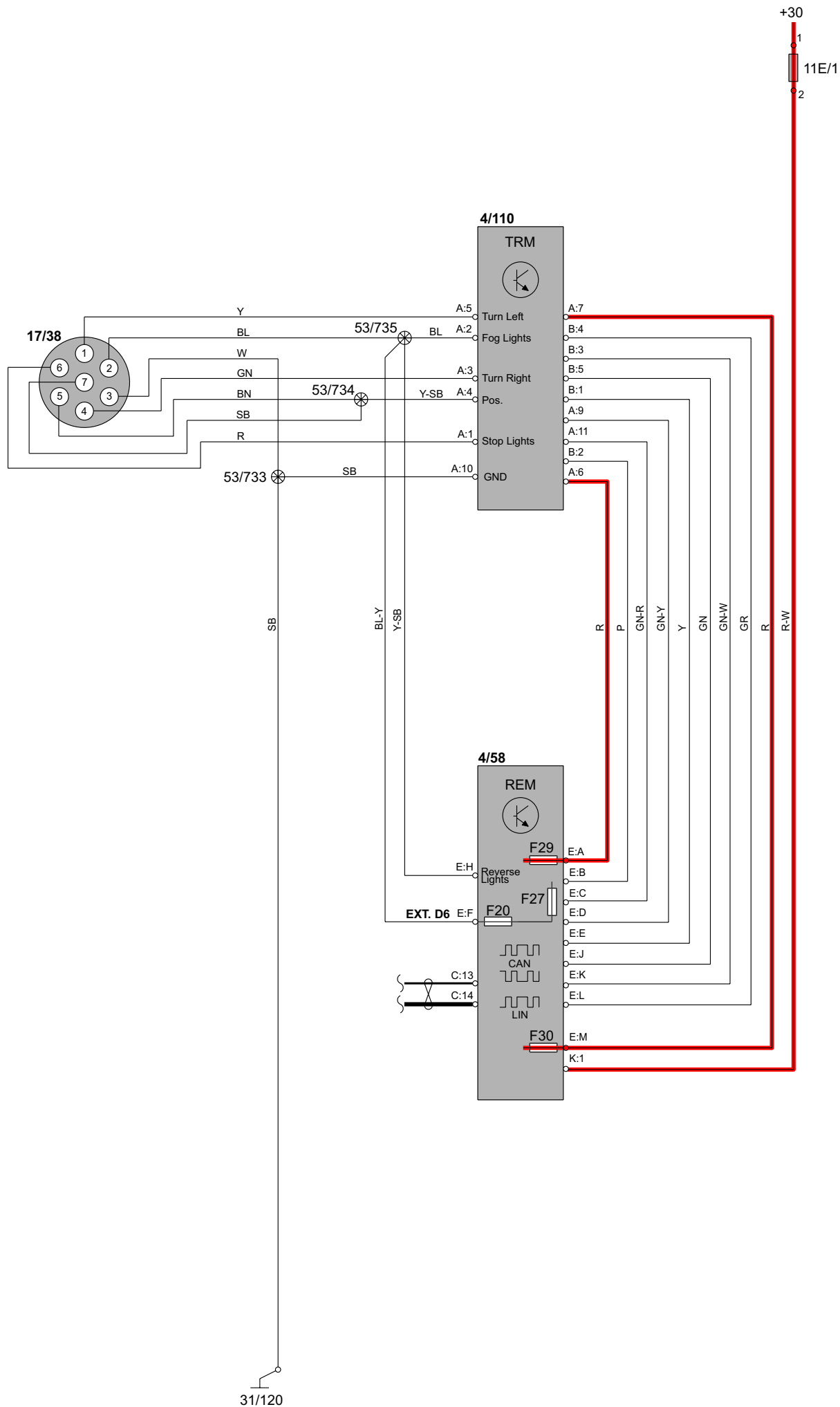
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 4-pin



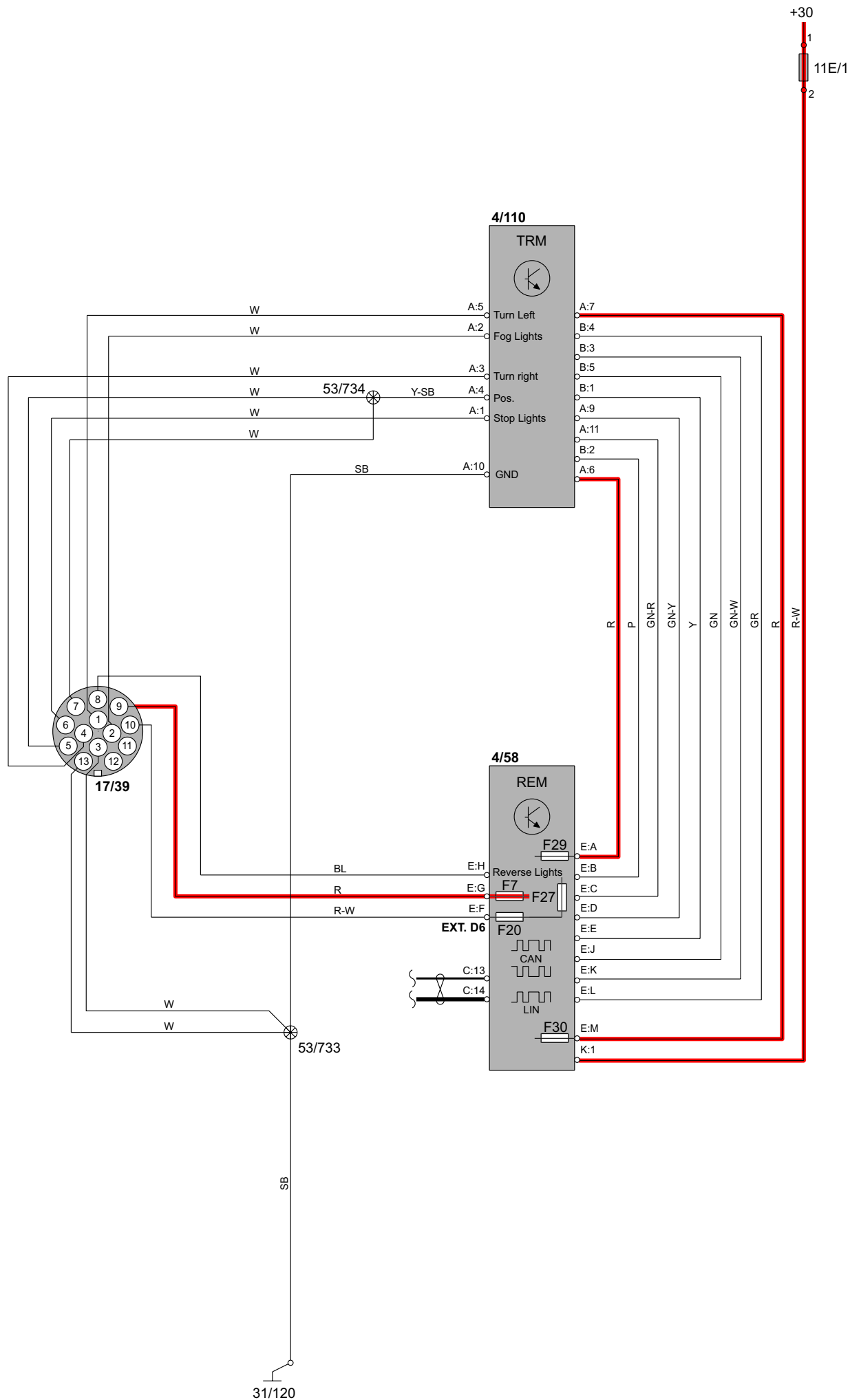
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 7-pin



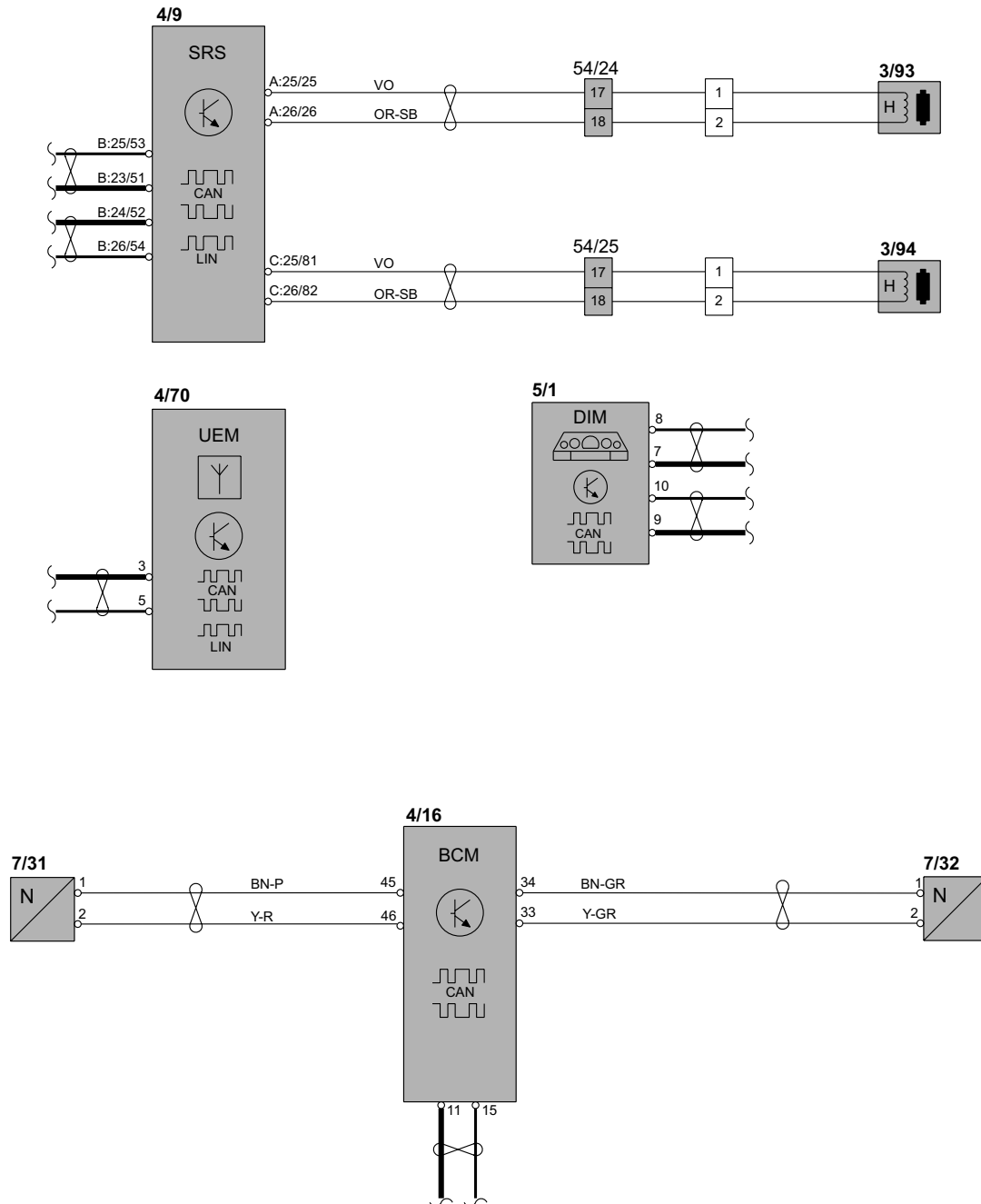
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 13-pin



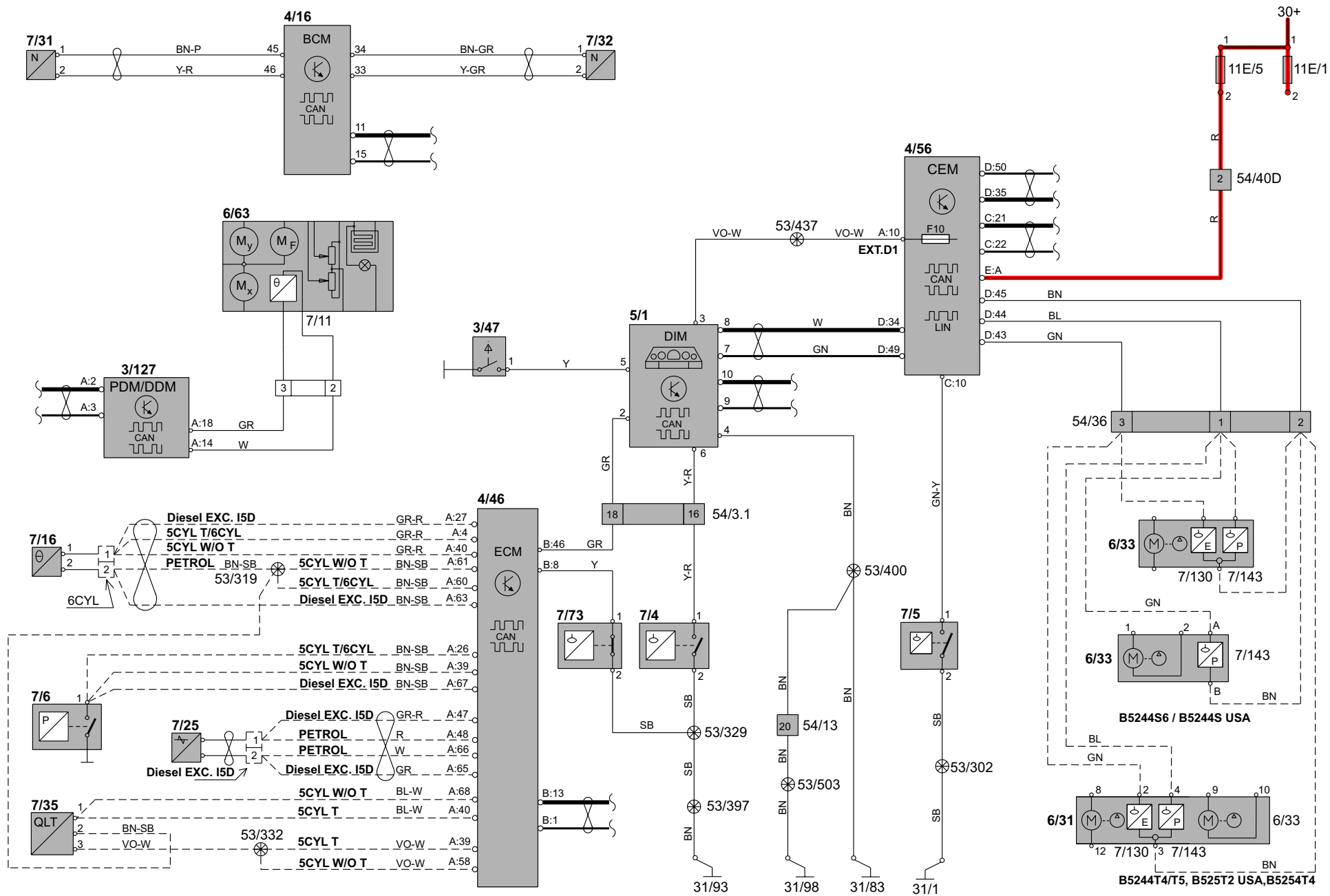
Group 38 Instruments

Seat belt reminder

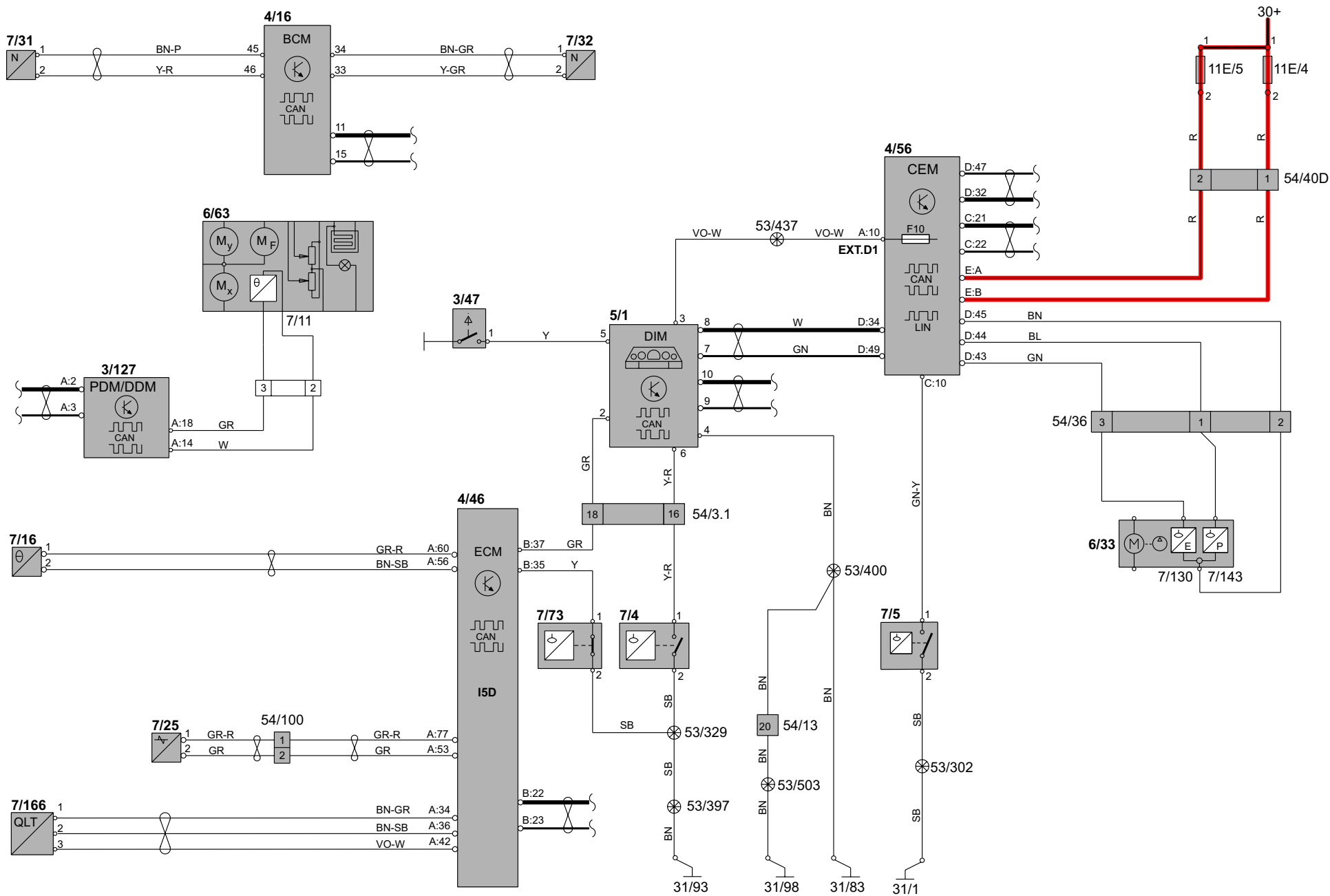


Group 38 Instruments

Driver information module

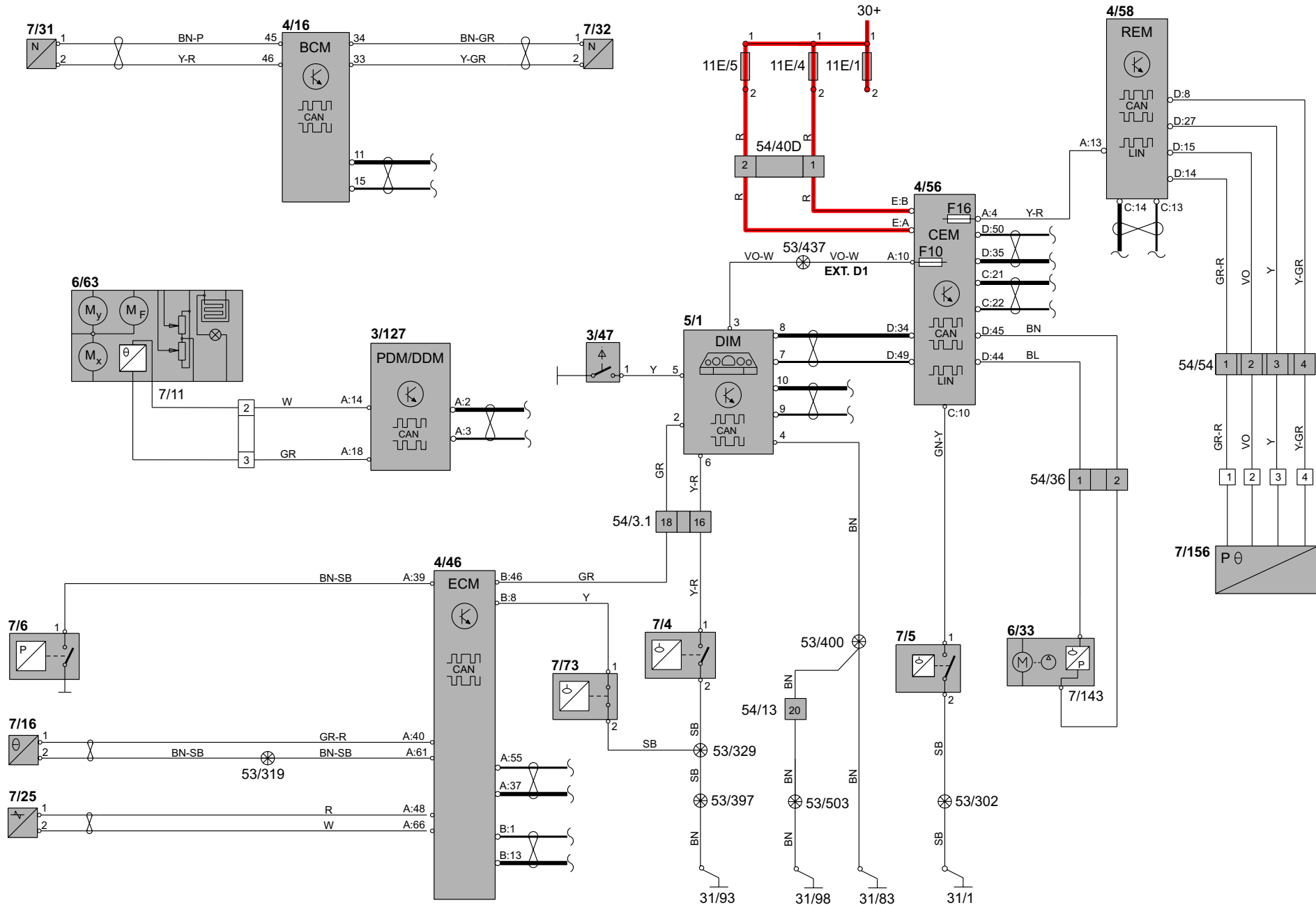


Driver information module, I5D



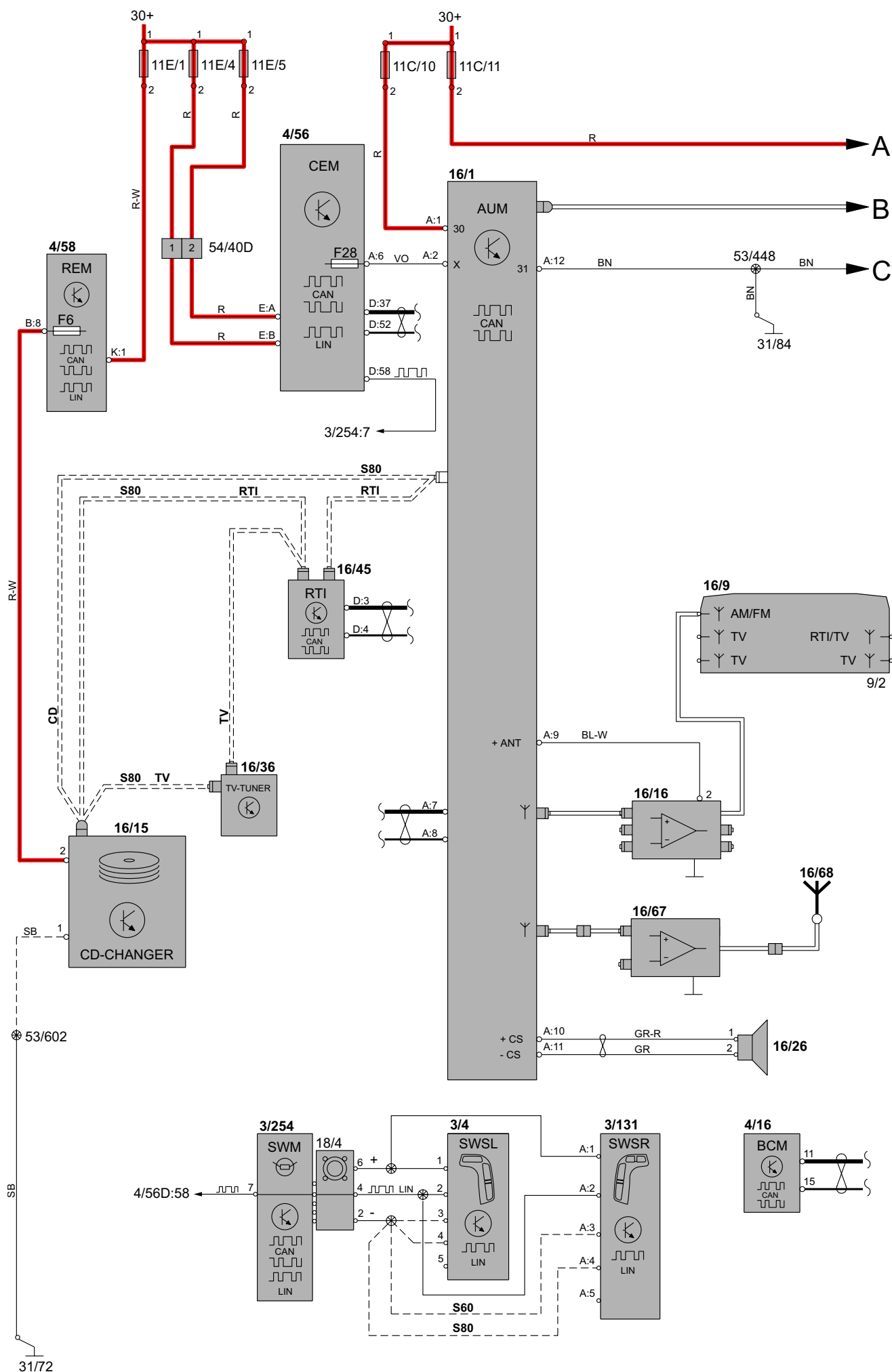
Group 38 Instruments

Driver information module Bi-Fuel



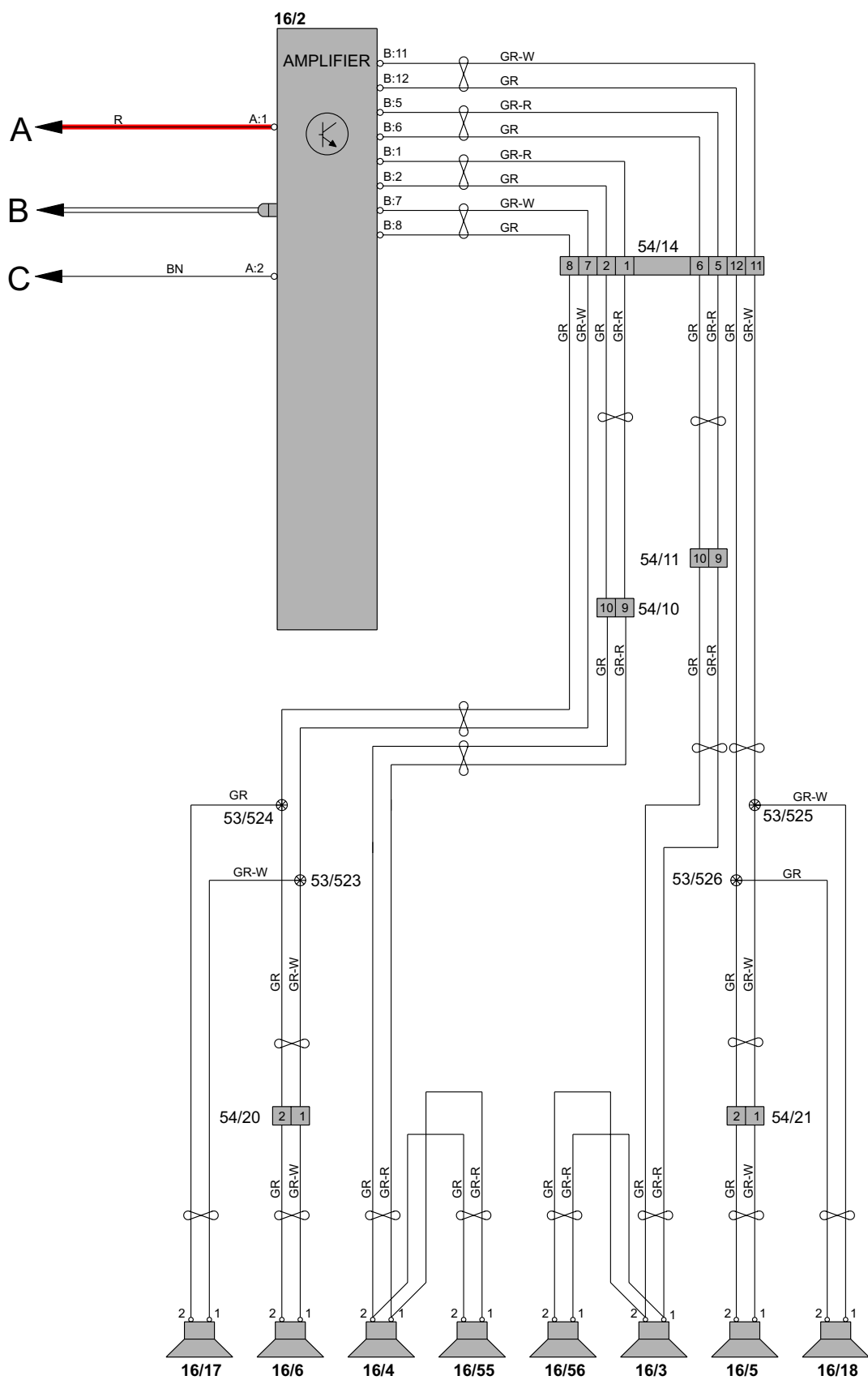
Group 39 Other

Audio with auxiliary amplifier 1:2

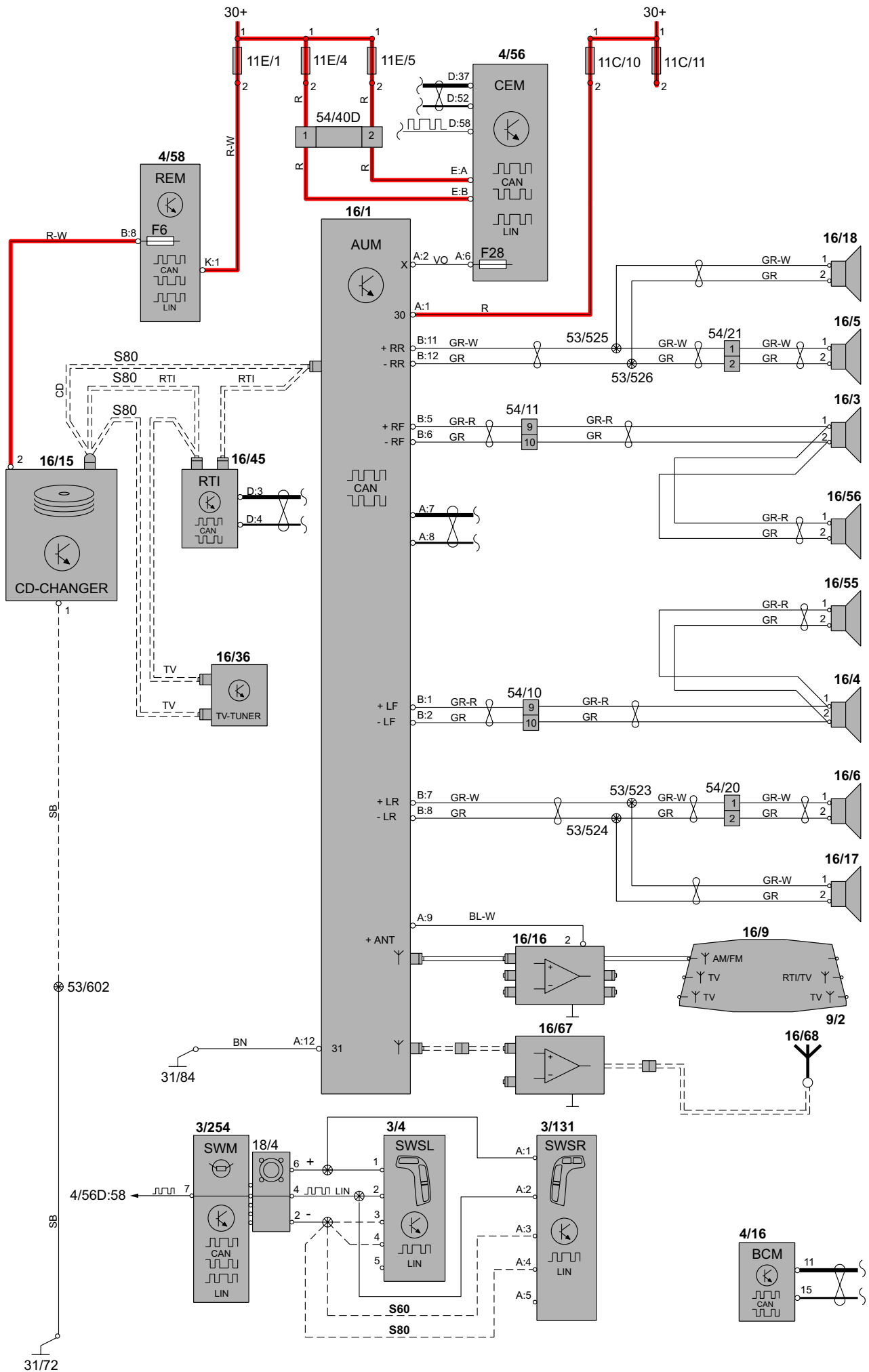


Group 39 Other

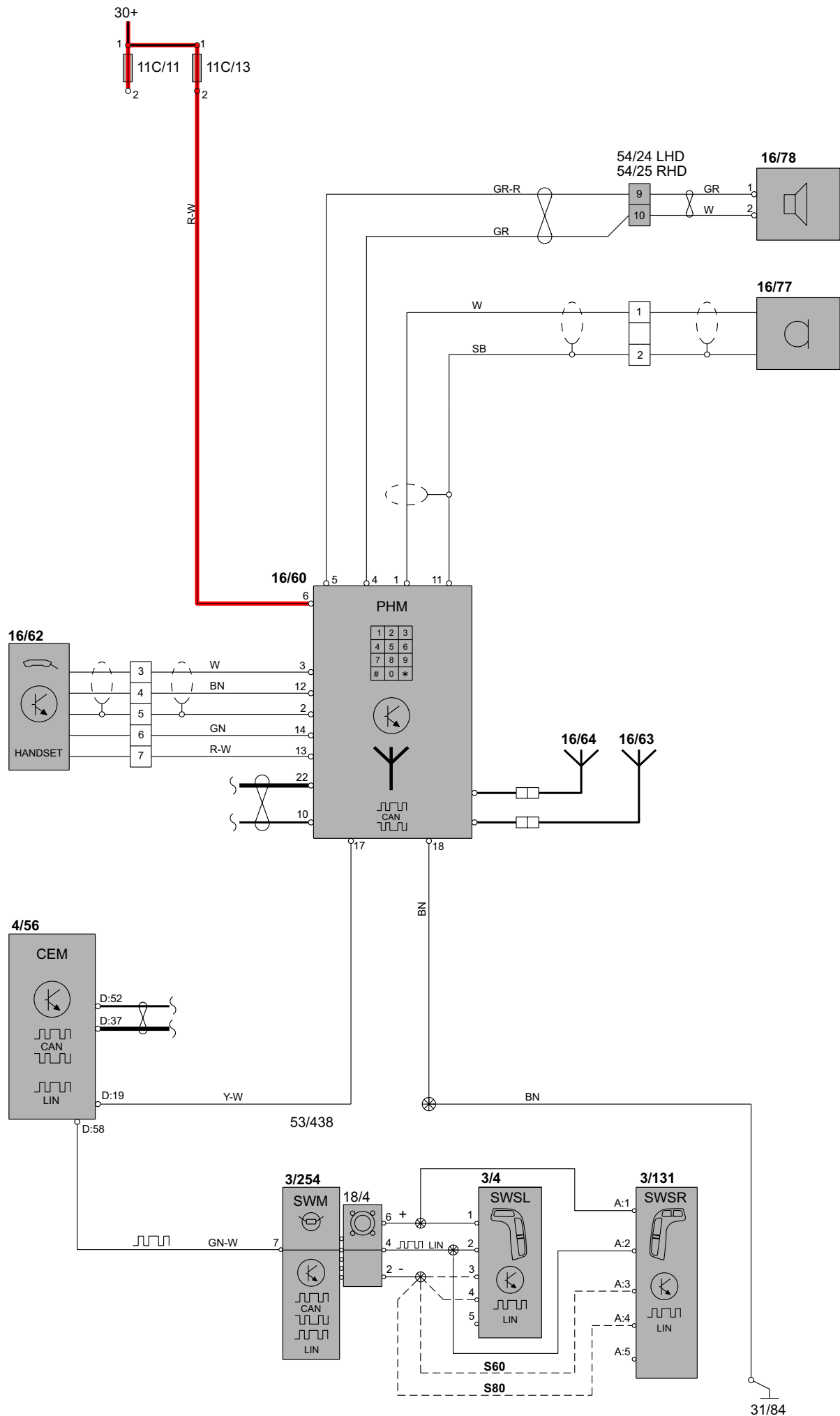
Audio with auxiliary amplifier 2:2



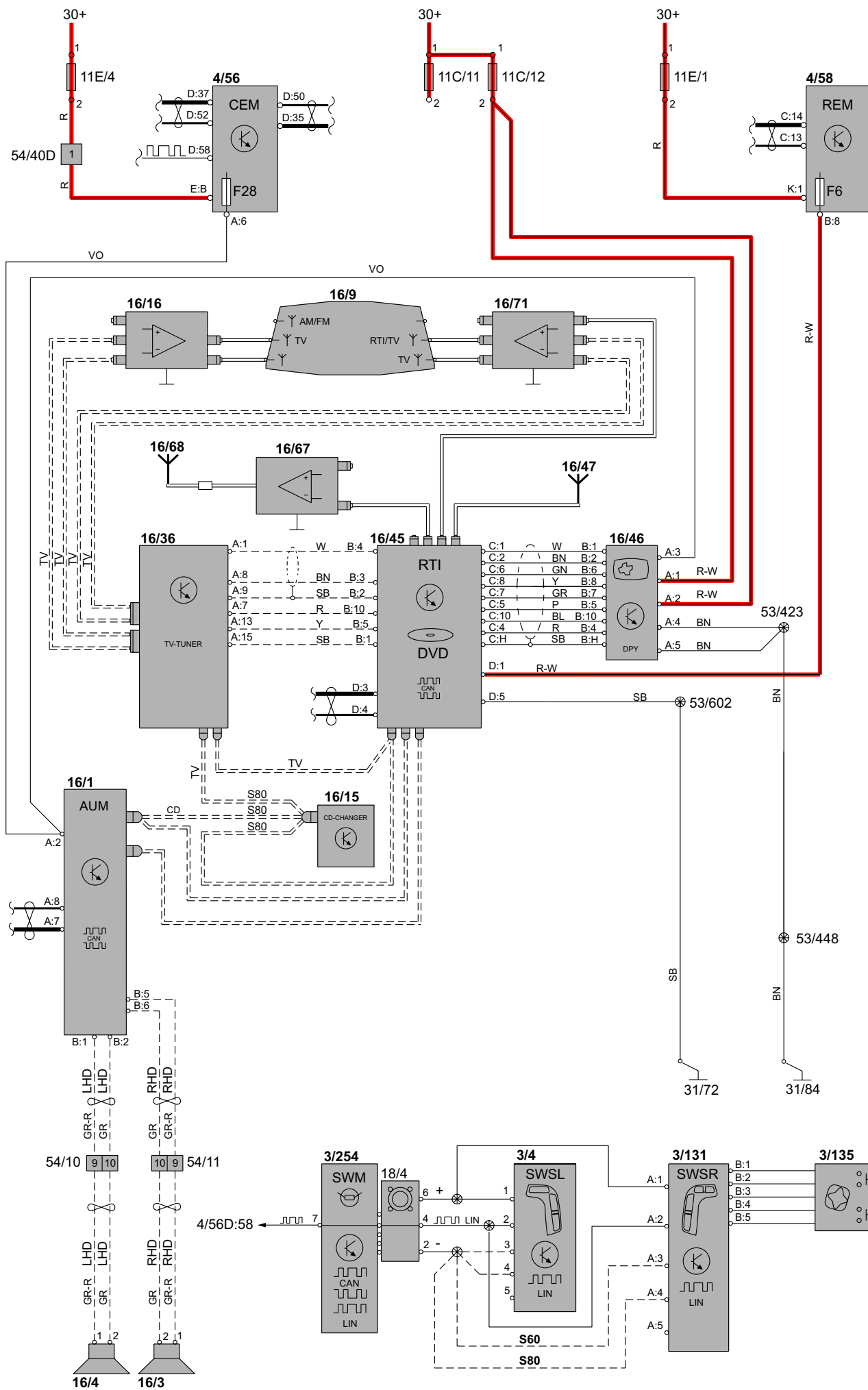
Group 39 Other Audio



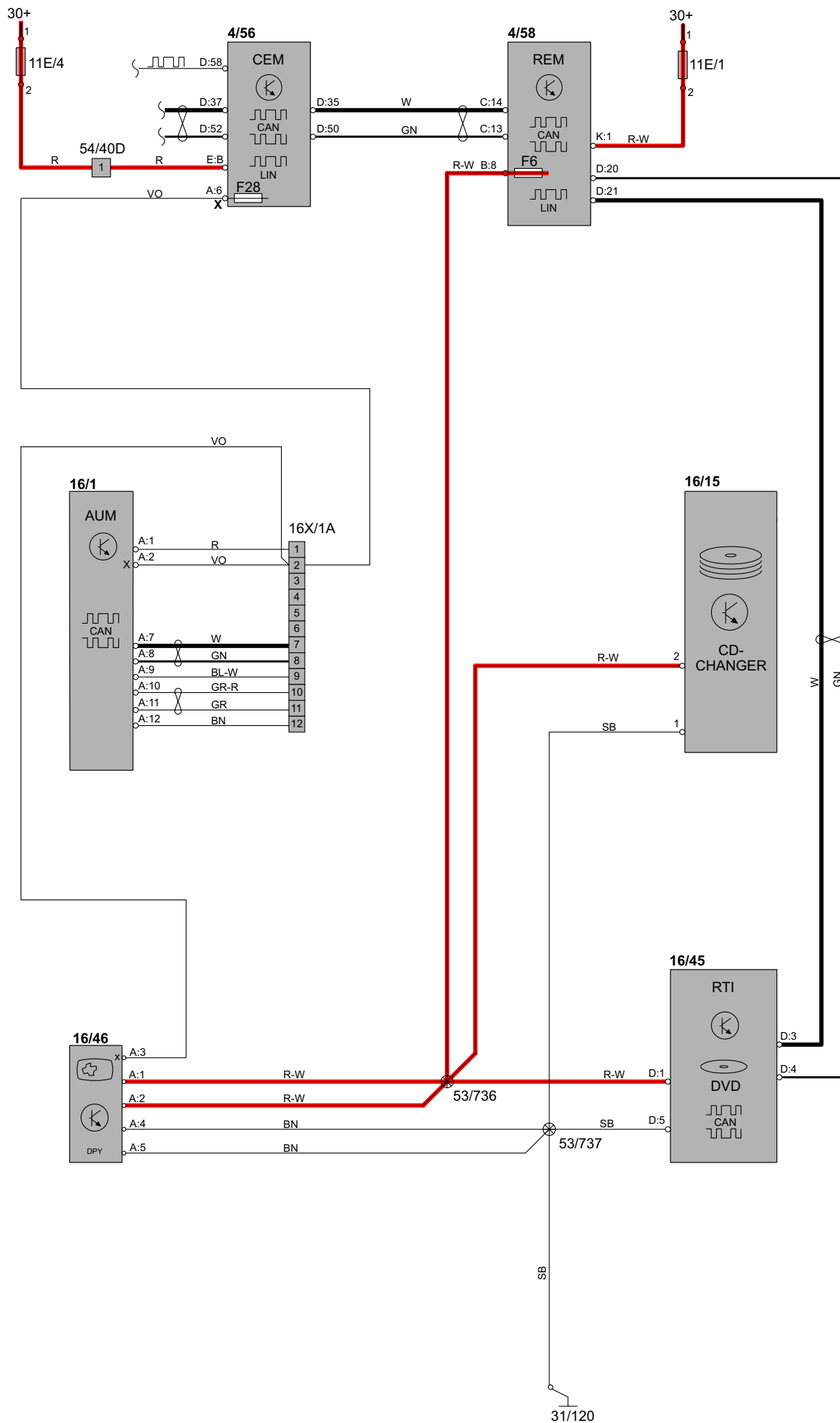
Group 39 Other Cellular phone



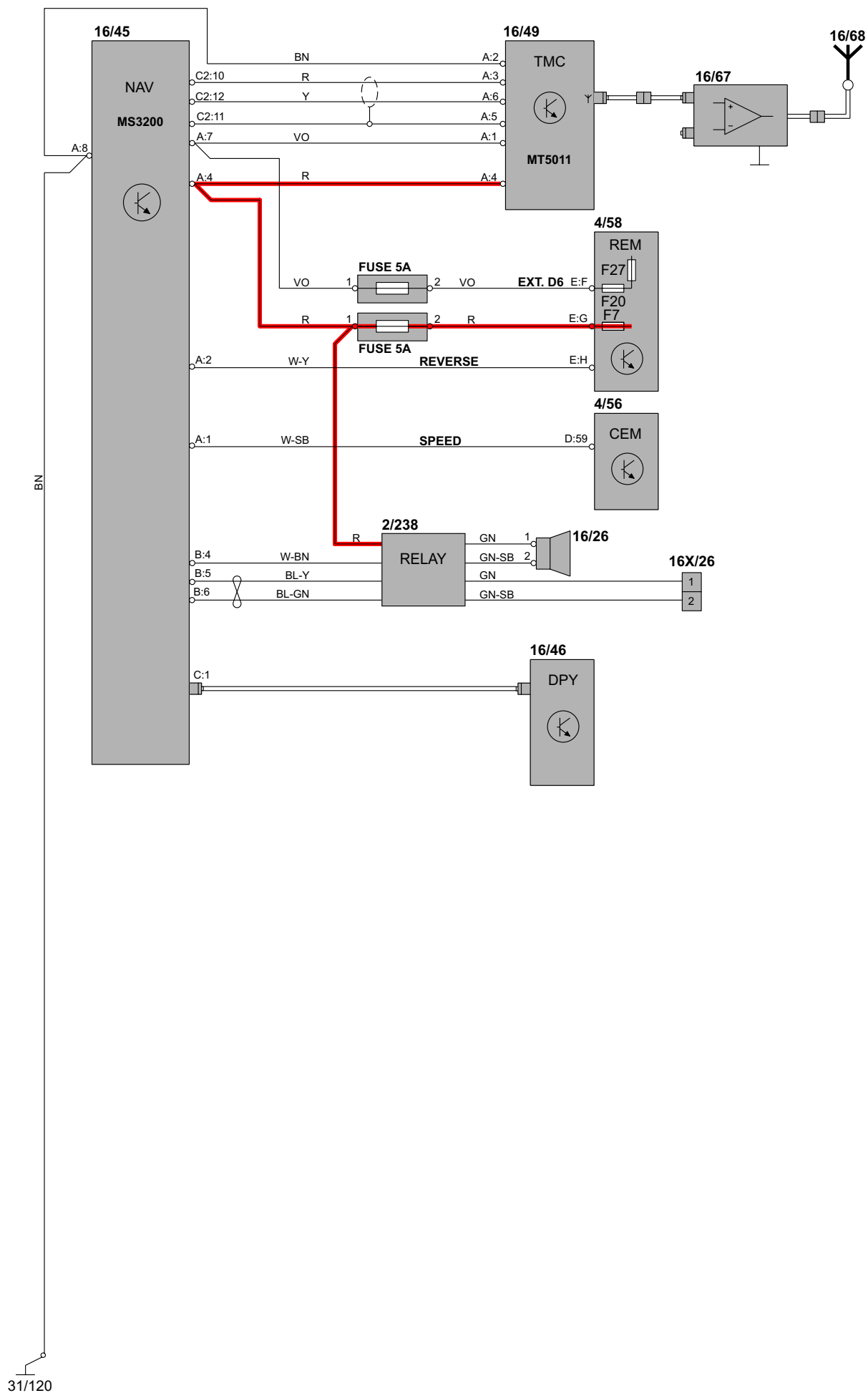
Road Traffic Information module (RTI)



Group 39 Other, Accessories Road Traffic Information (RTI) & CD changer

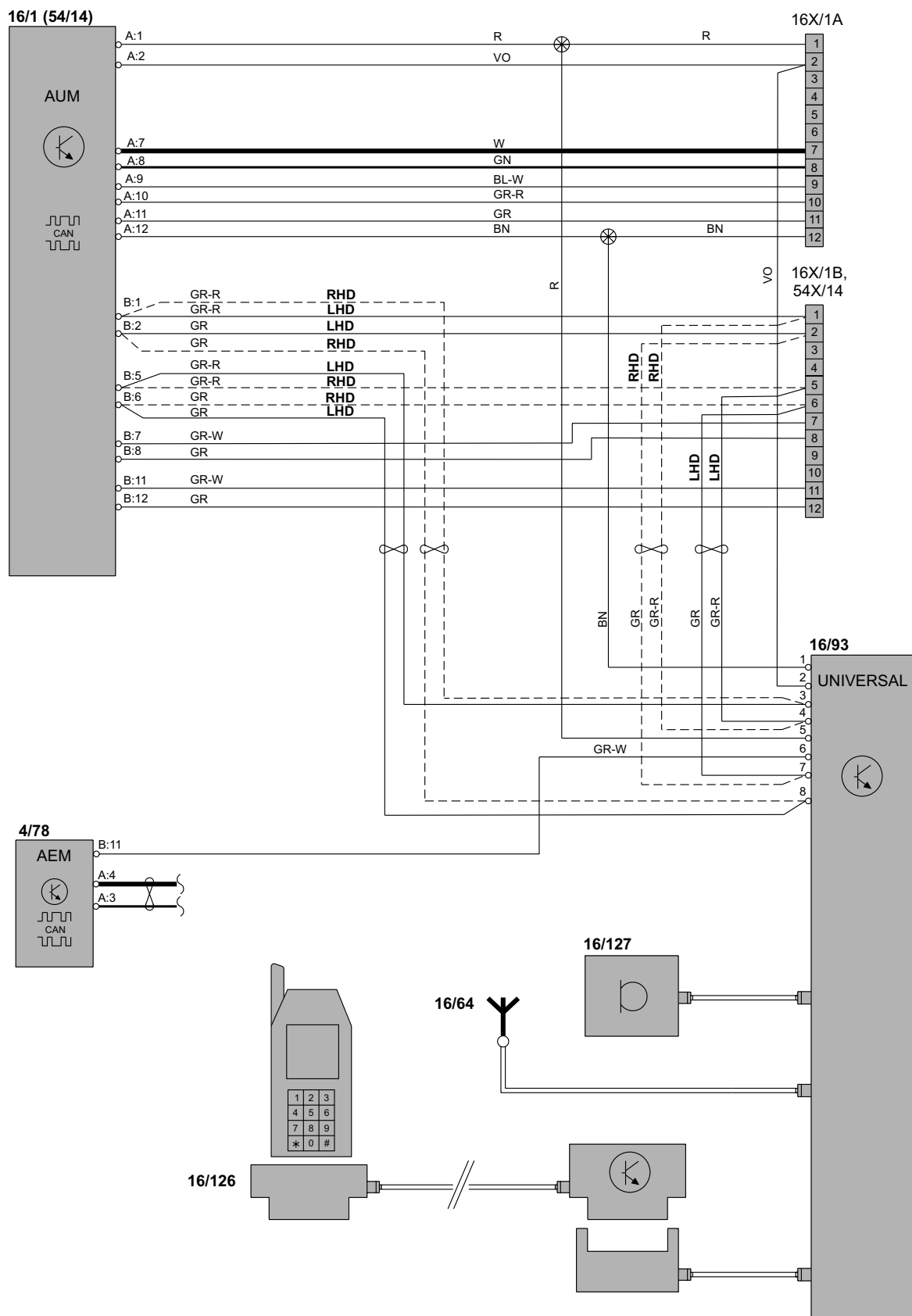


Group 39 Other, Accessories
Turn-by-turn navigation system



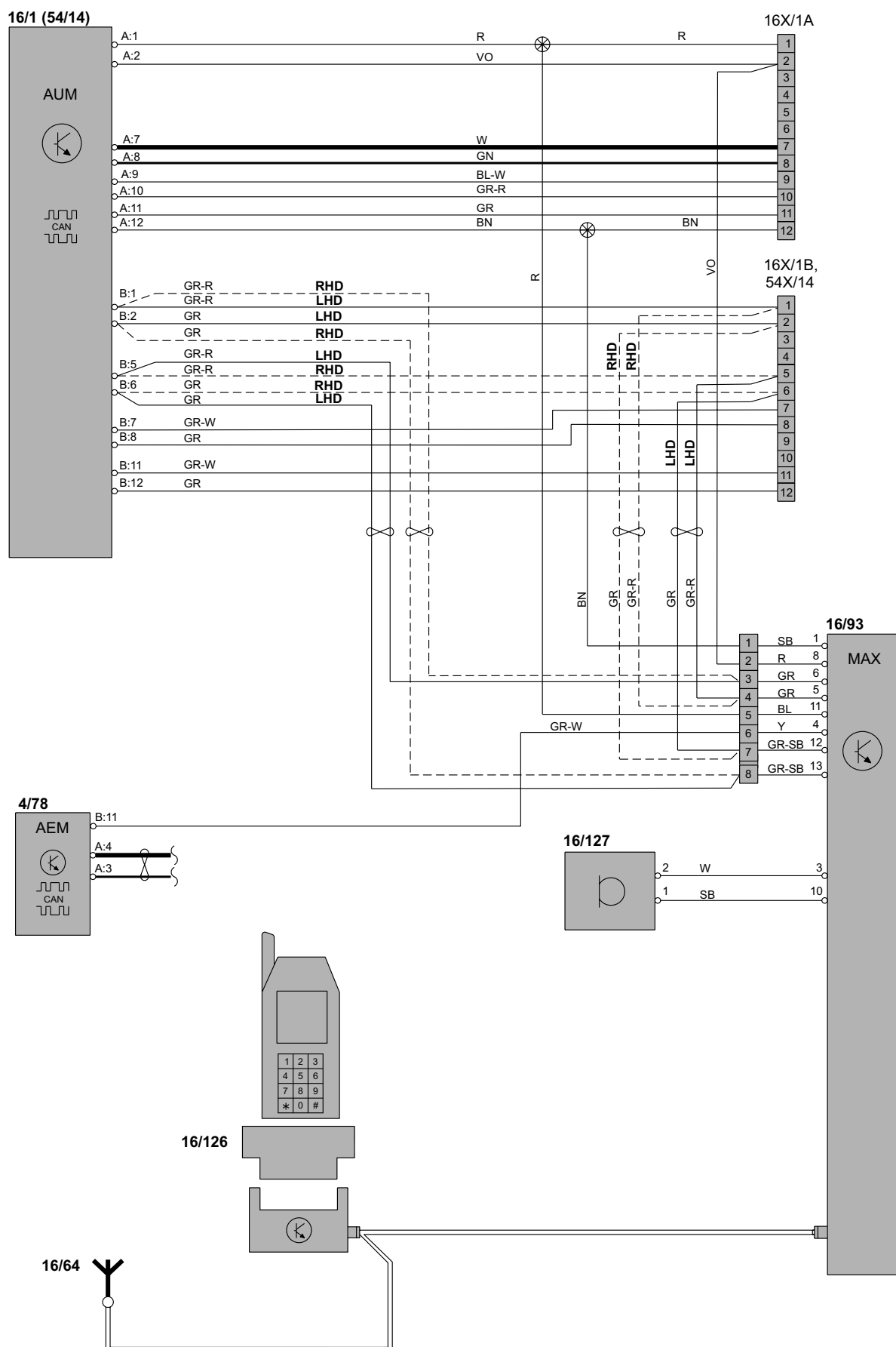
Group 39 Other, Accessories

Handsfree



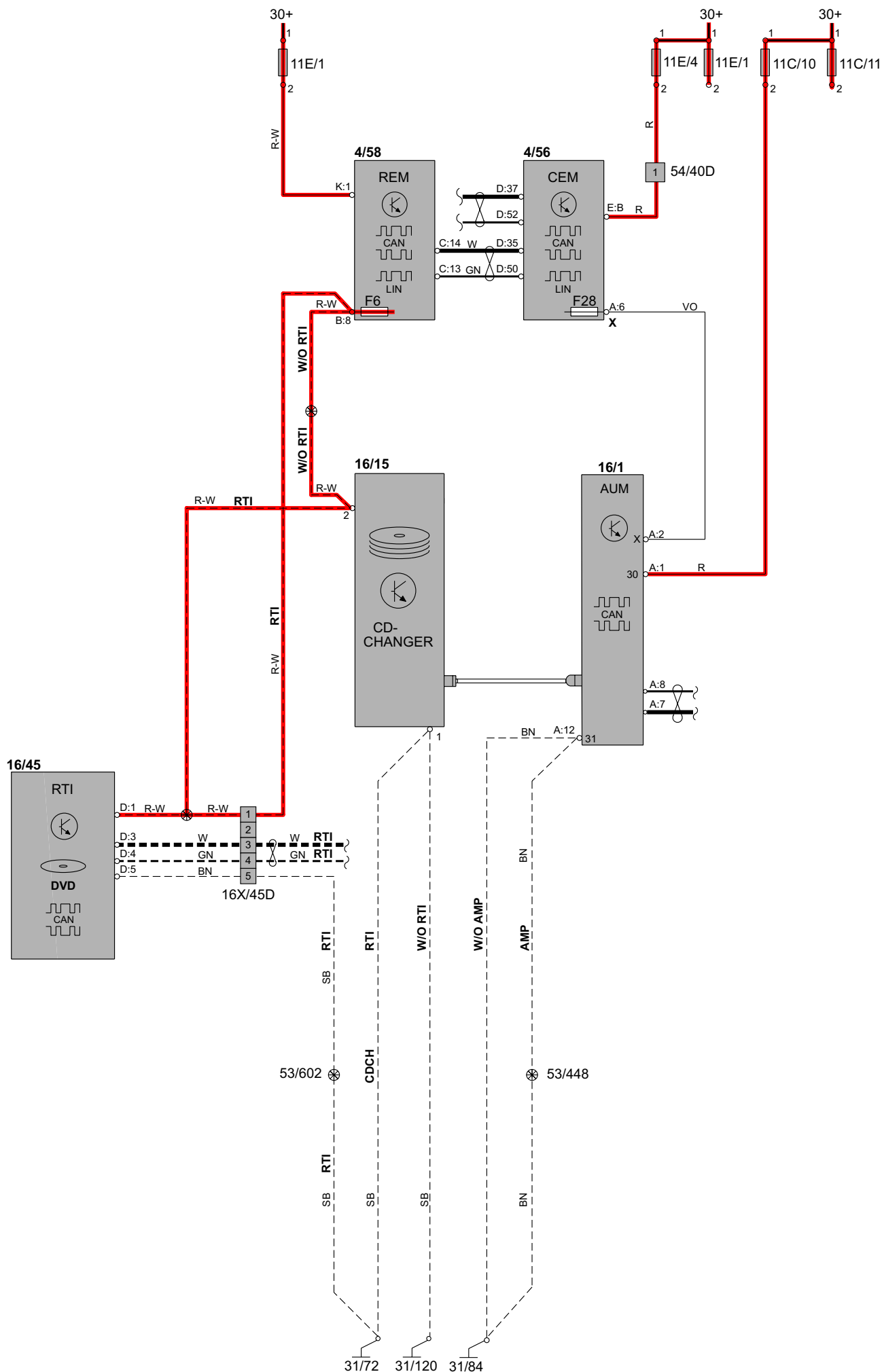
Group 39 Other, Accessories

Handsfree MAX



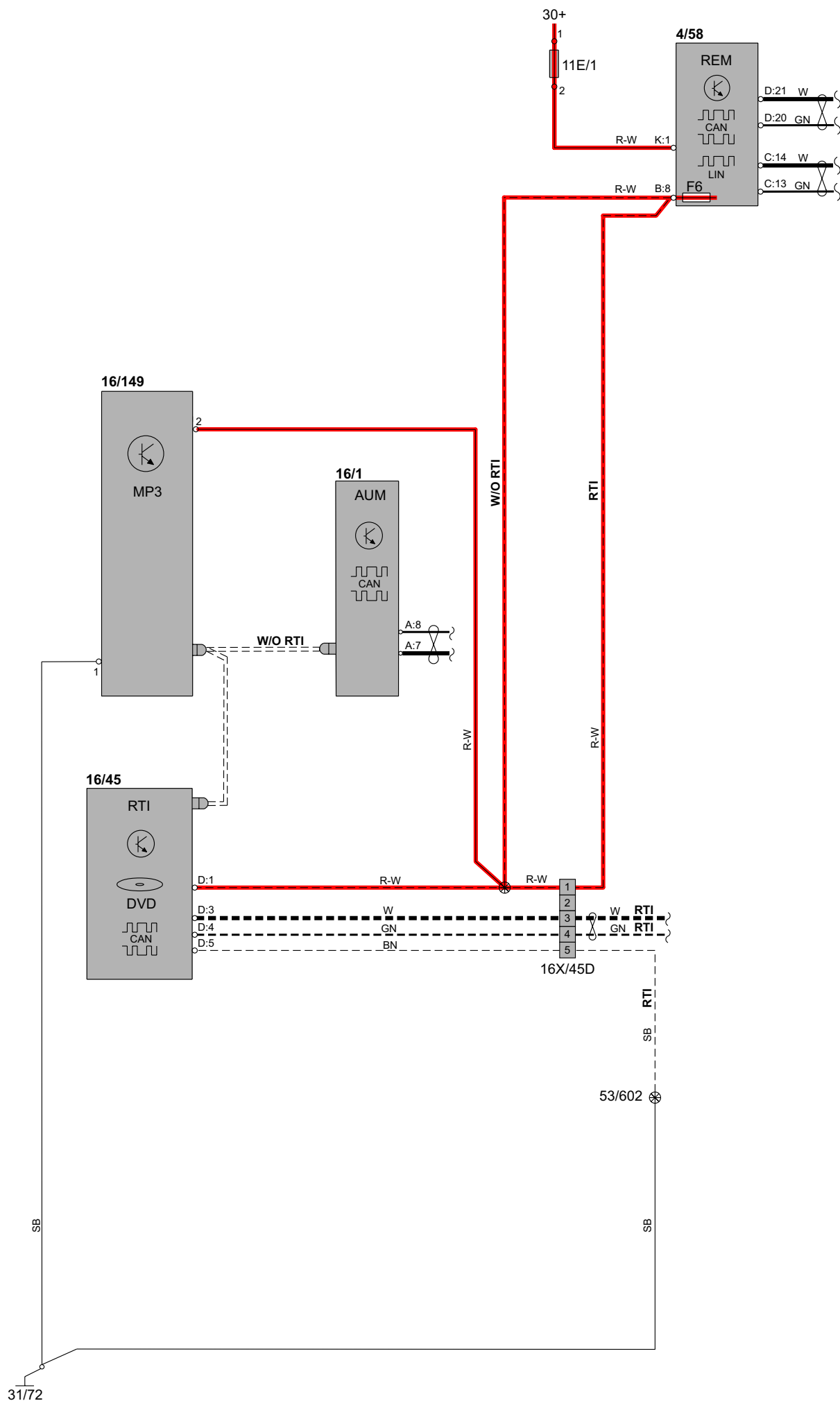
Group 39 Other, Accessories

CD changer



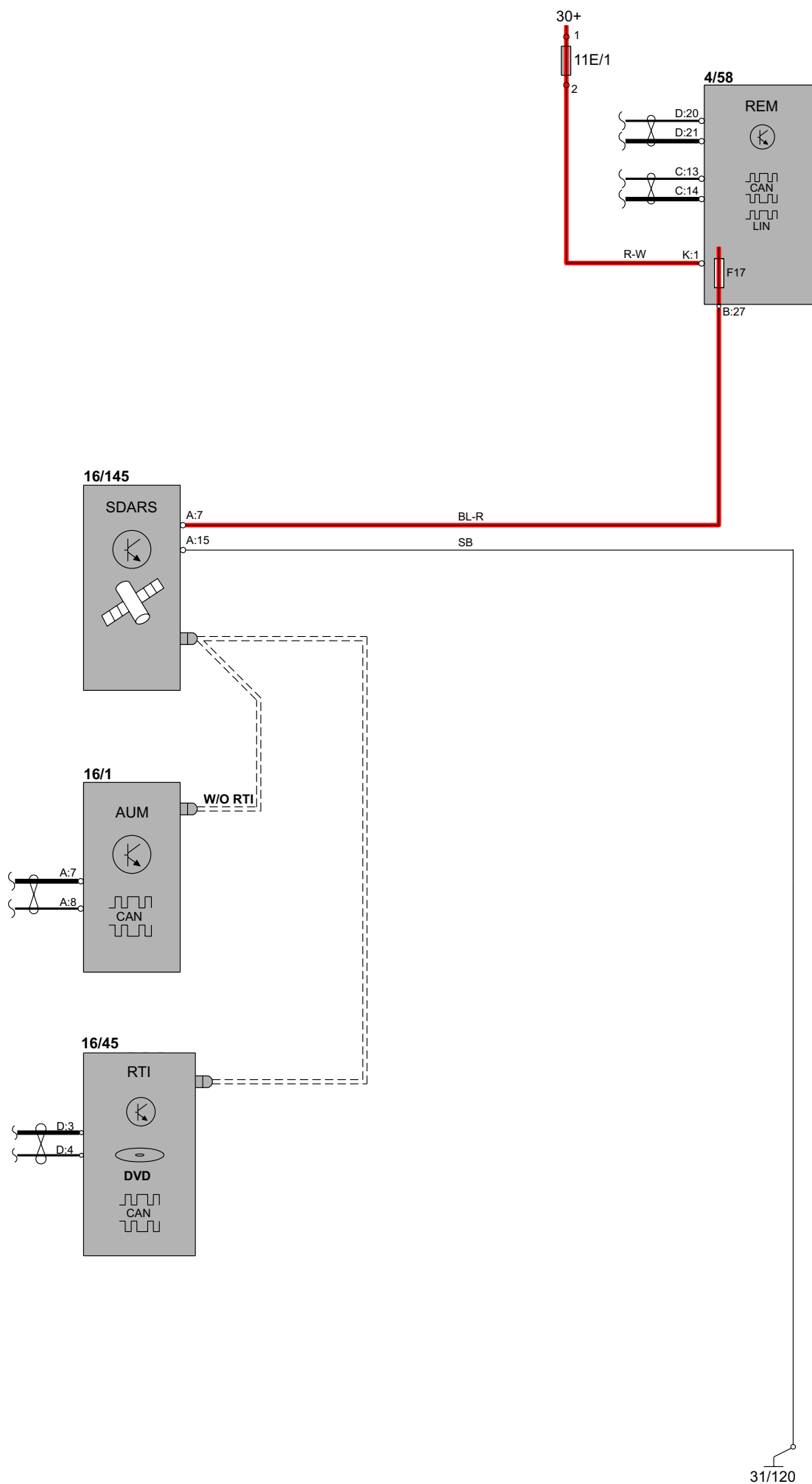
Group 39 Other, Accessories

MP3 player



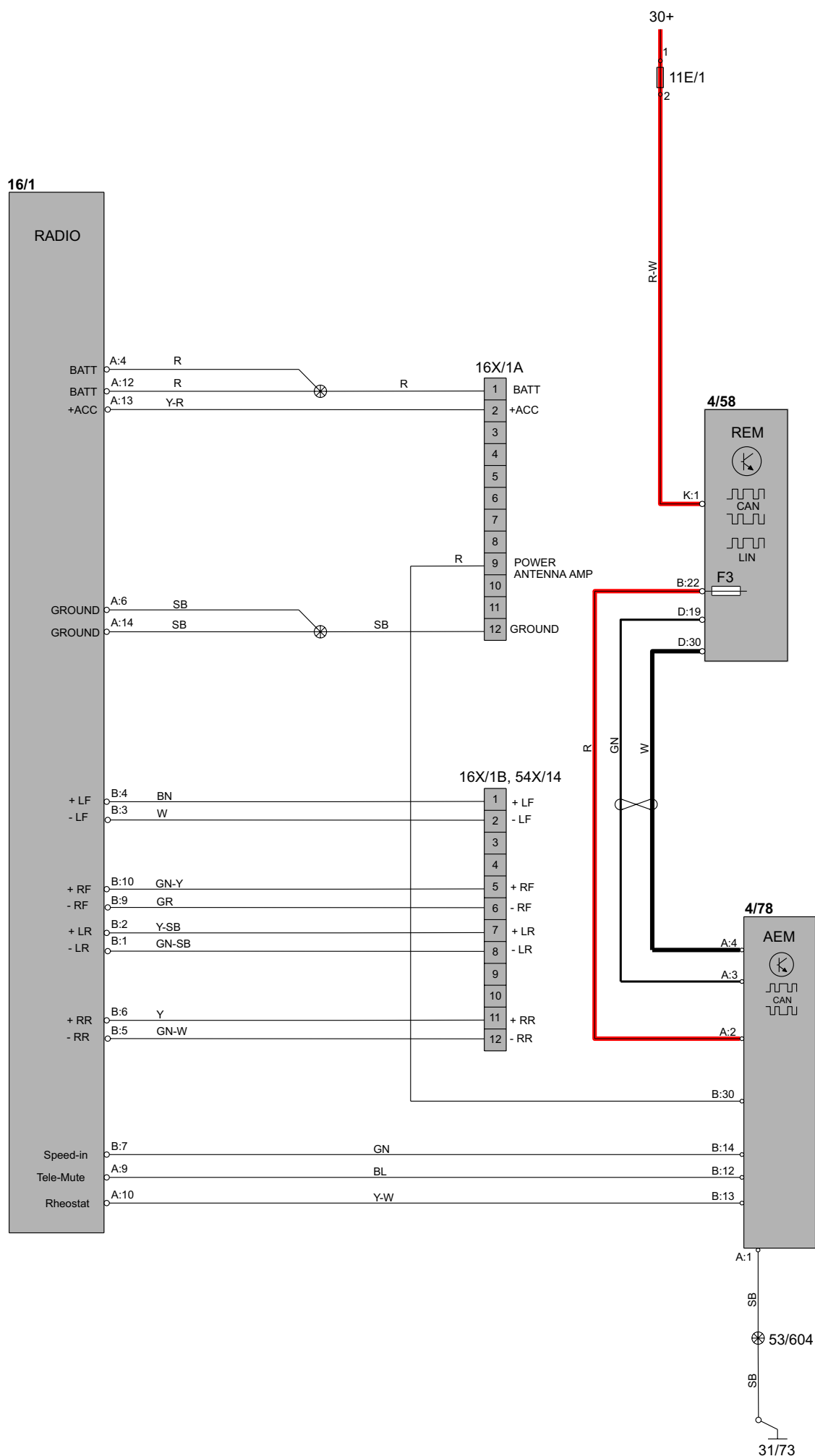
Group 39 Other, Accessories

Satellite radio

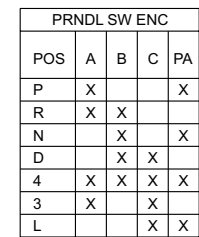


Group 39 Other, Accessories

Audio adapter cable harness

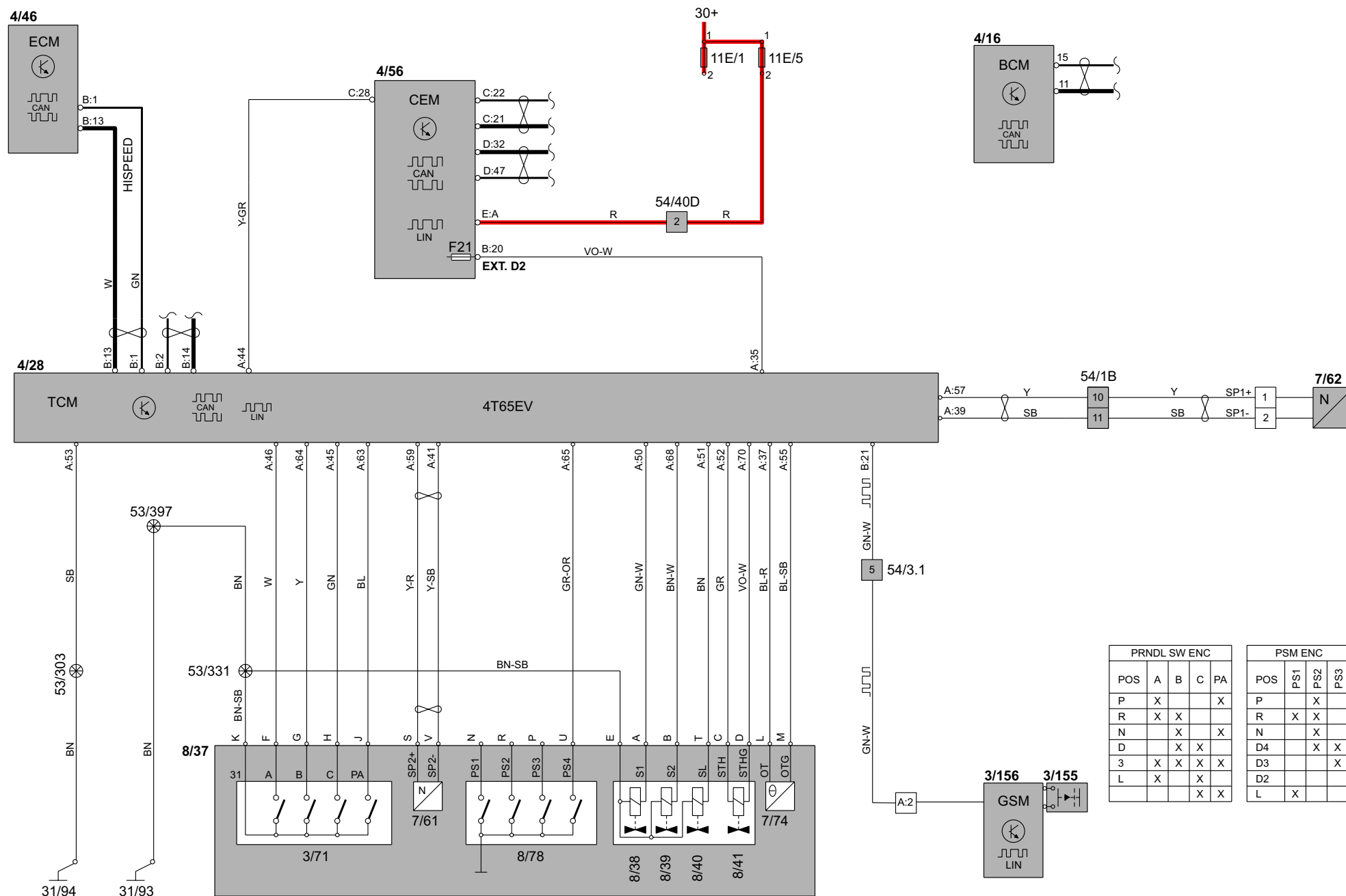


Automatic transmission AW55-51SN/AW51 AWD

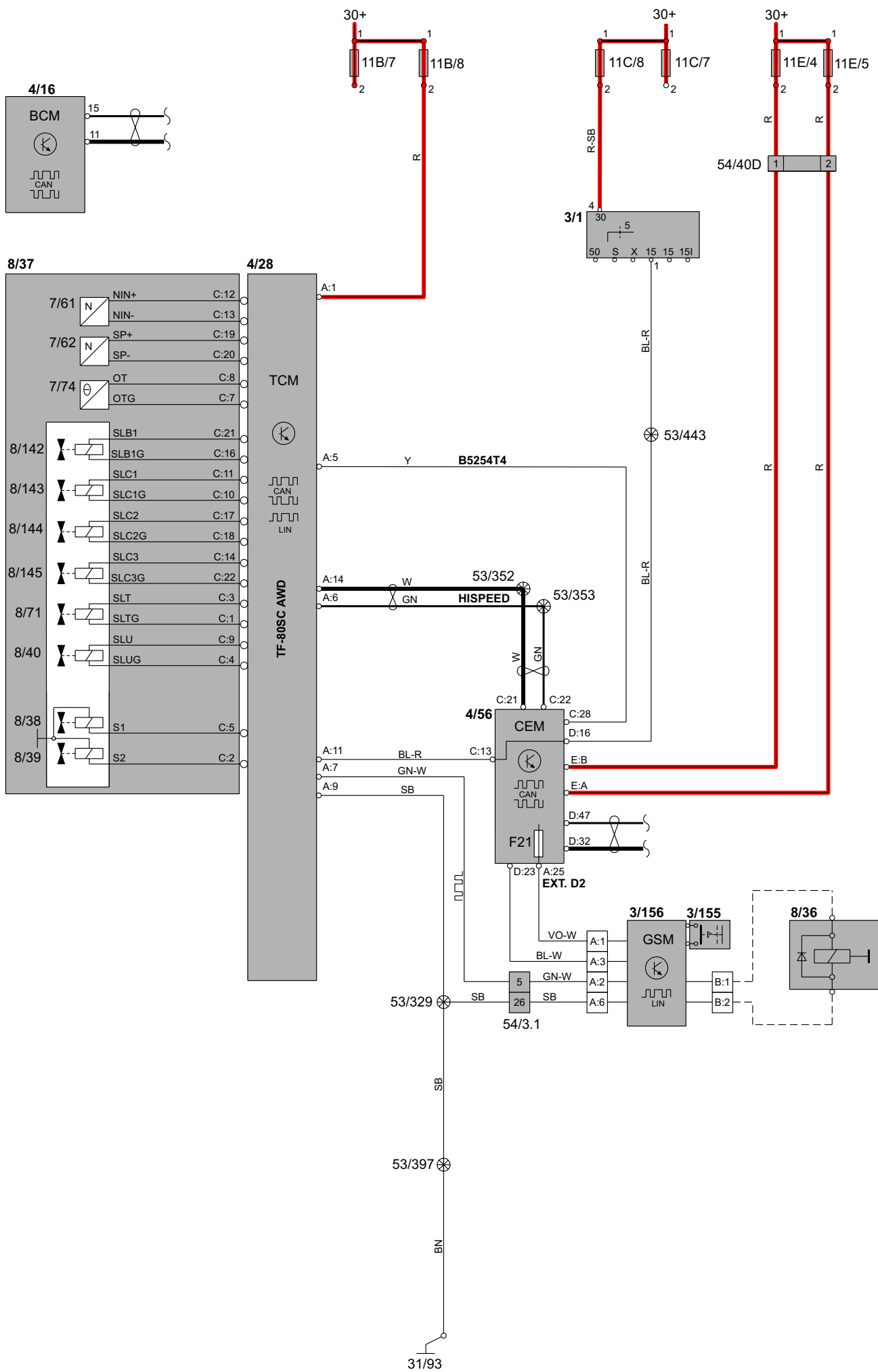


Group 43 Transmission

Automatic transmission 4T65EV

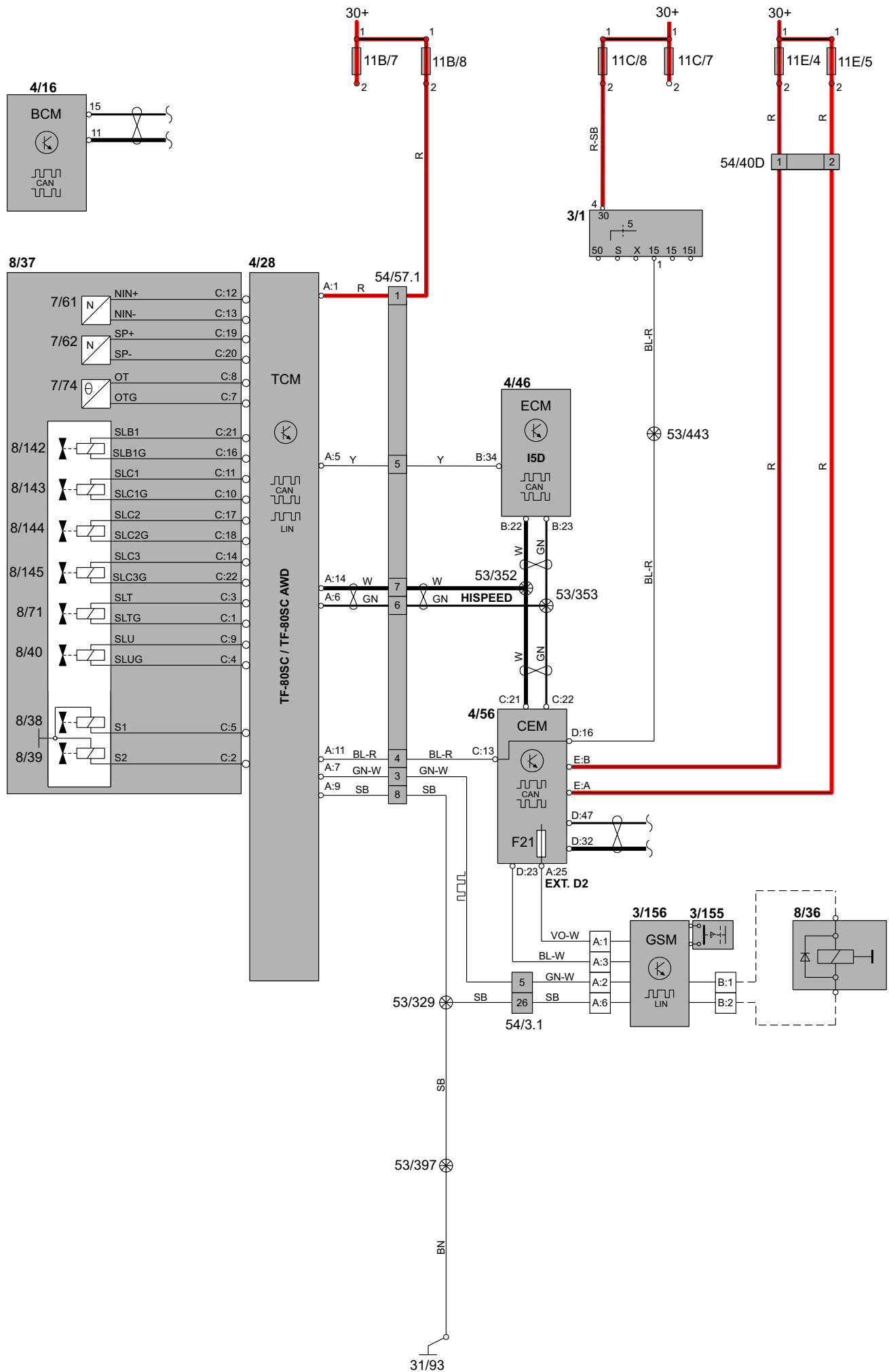


Group 43 Transmission
Automatic transmission TF-80SC AWD

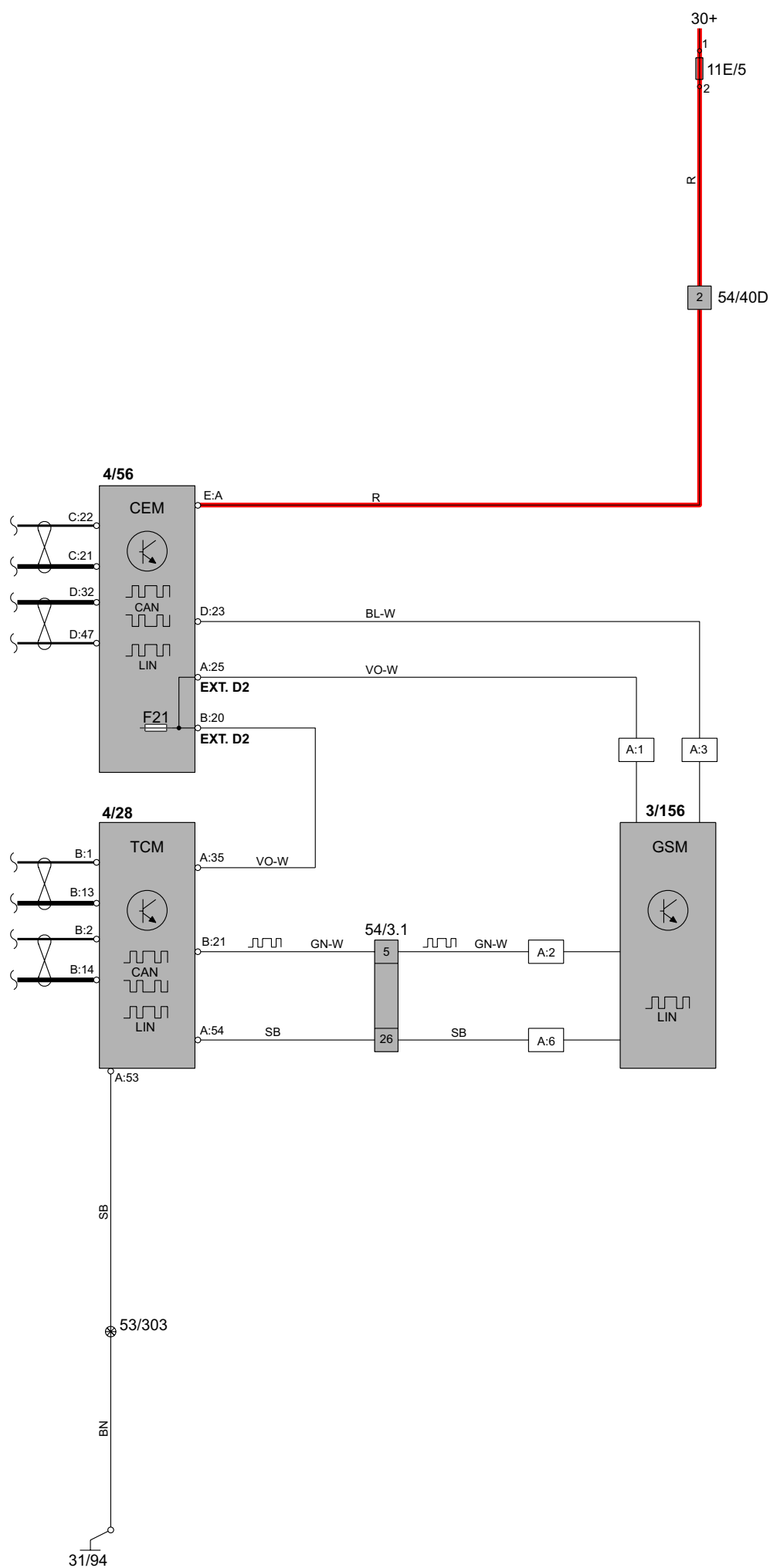


Group 43 Transmission

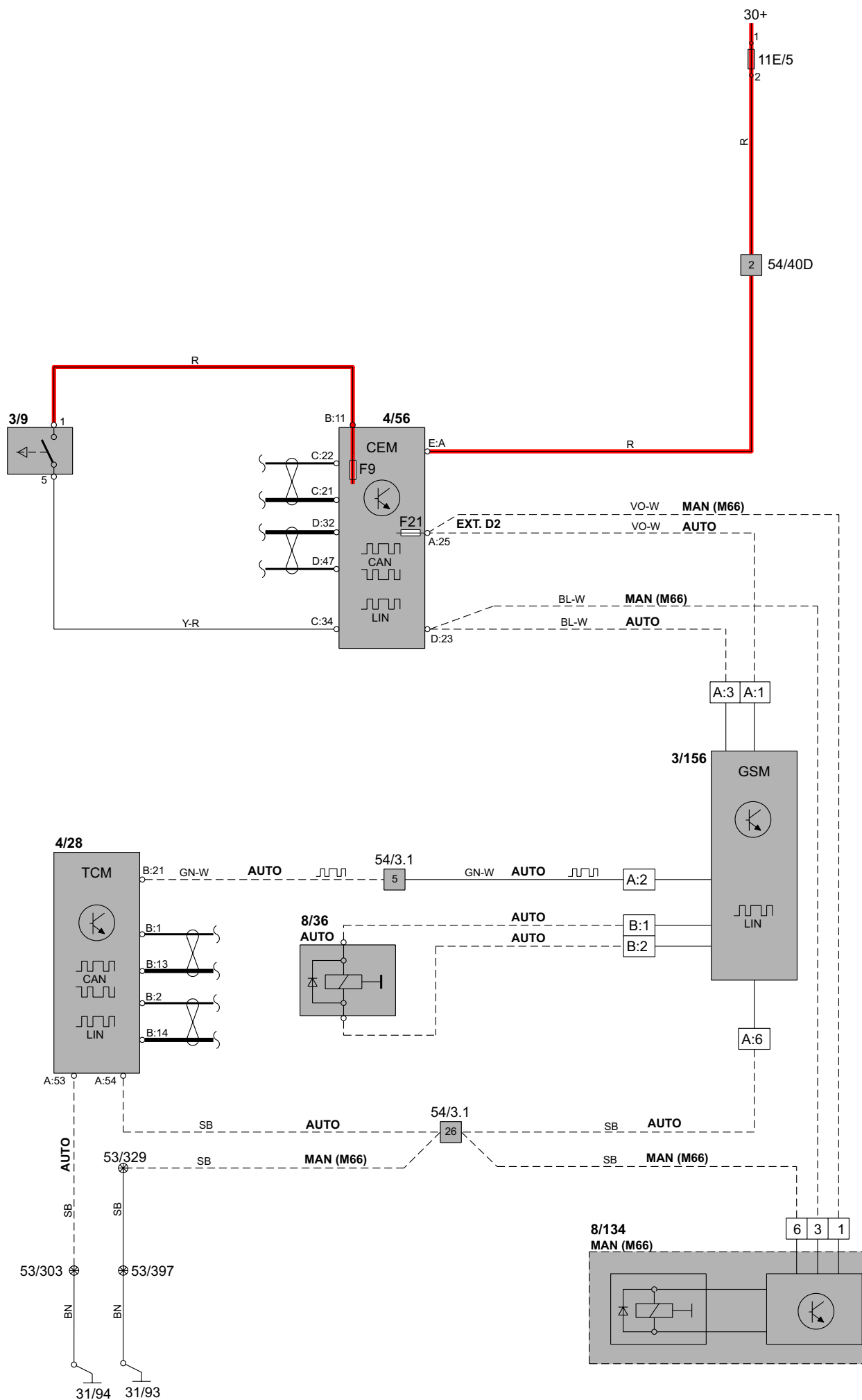
Automatic transmission TF-80SC/TF-80SC AWD, I5D



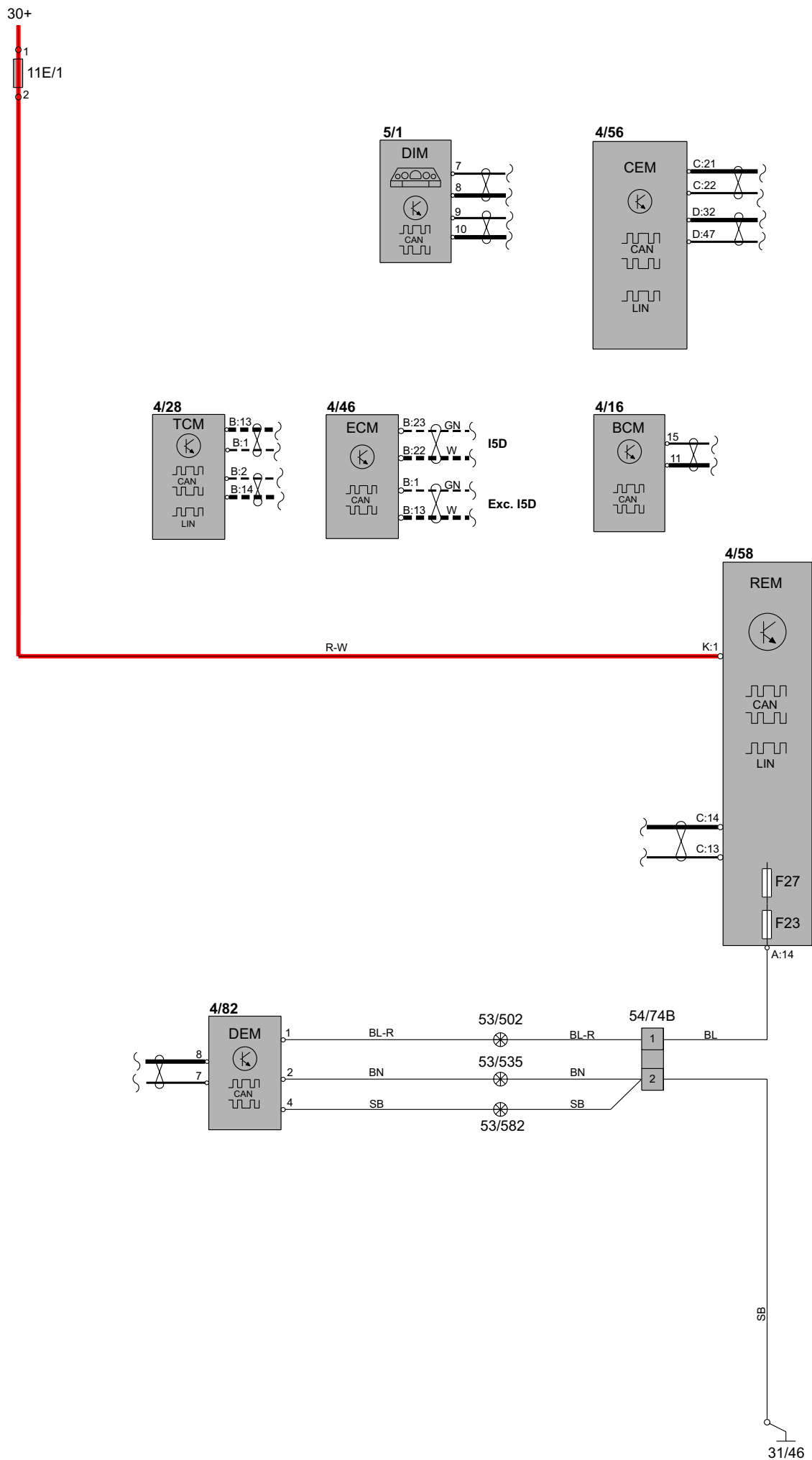
Group 43 Transmission
Geartronic



Group 43 Transmission Shift lock

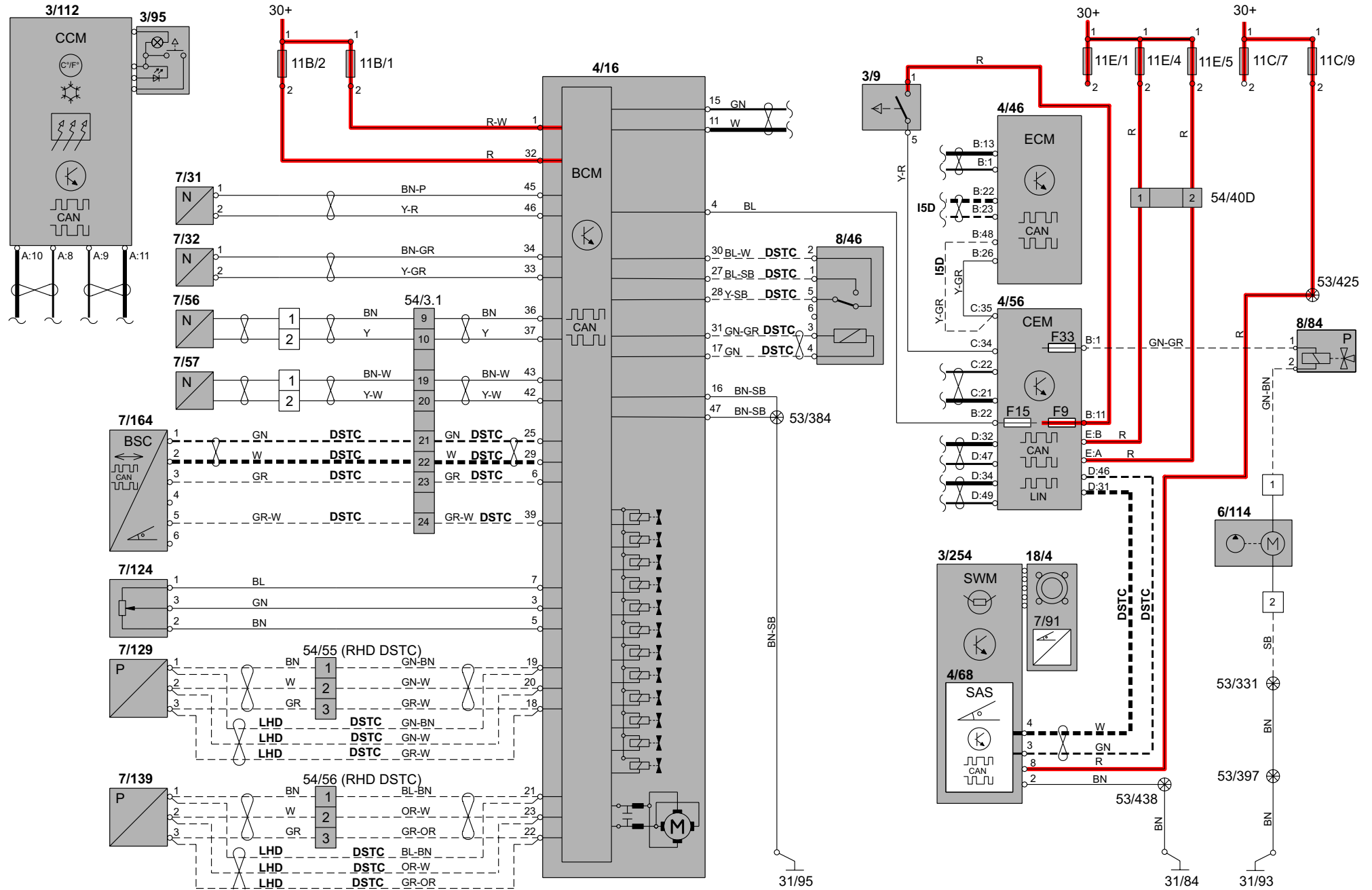


Group 43 Transmission Differential Electronic Module (DEM)

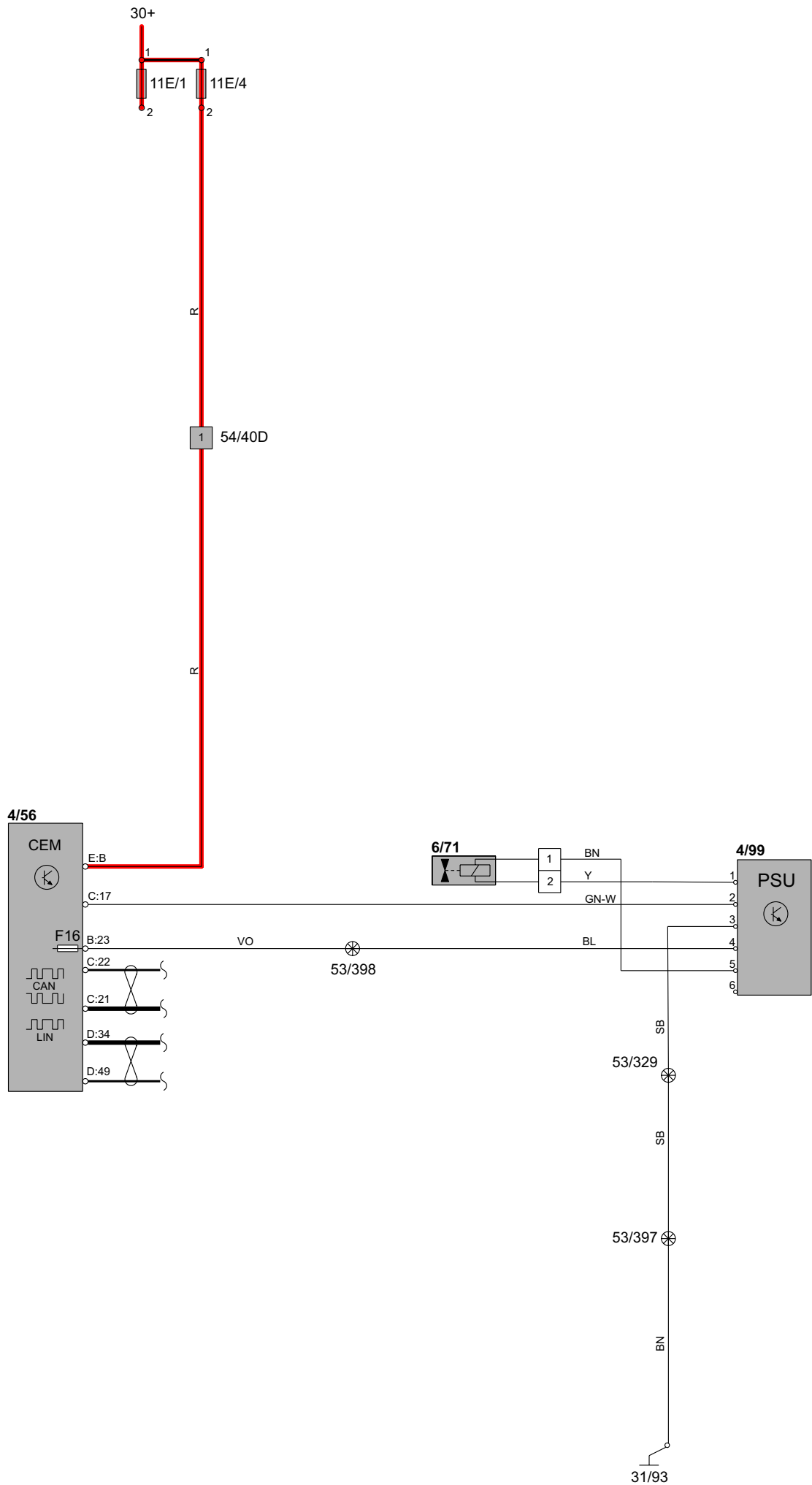


Group 59 Brake system

Brake Control Module

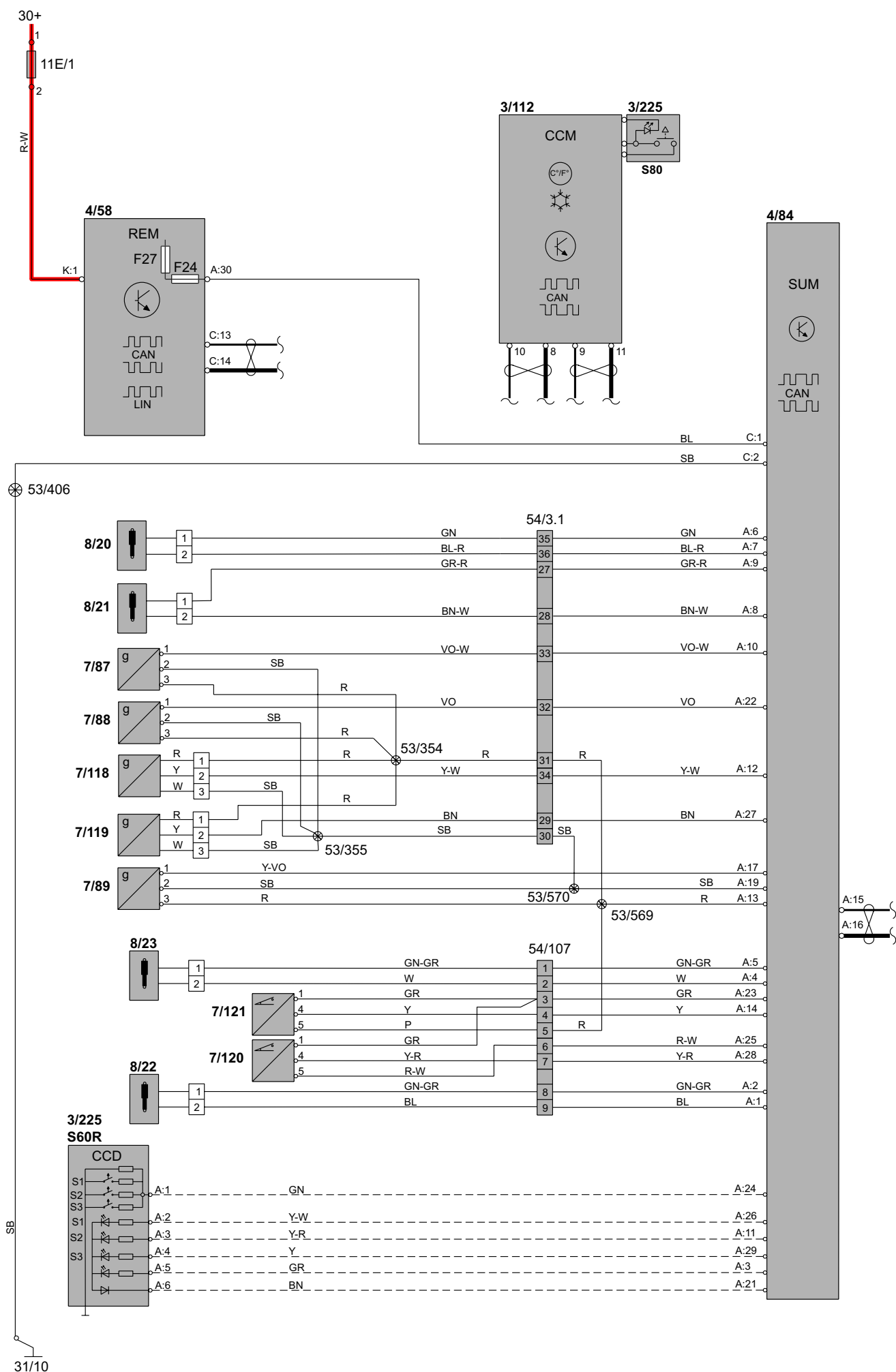


Group 64 Steering
Electronic power steering



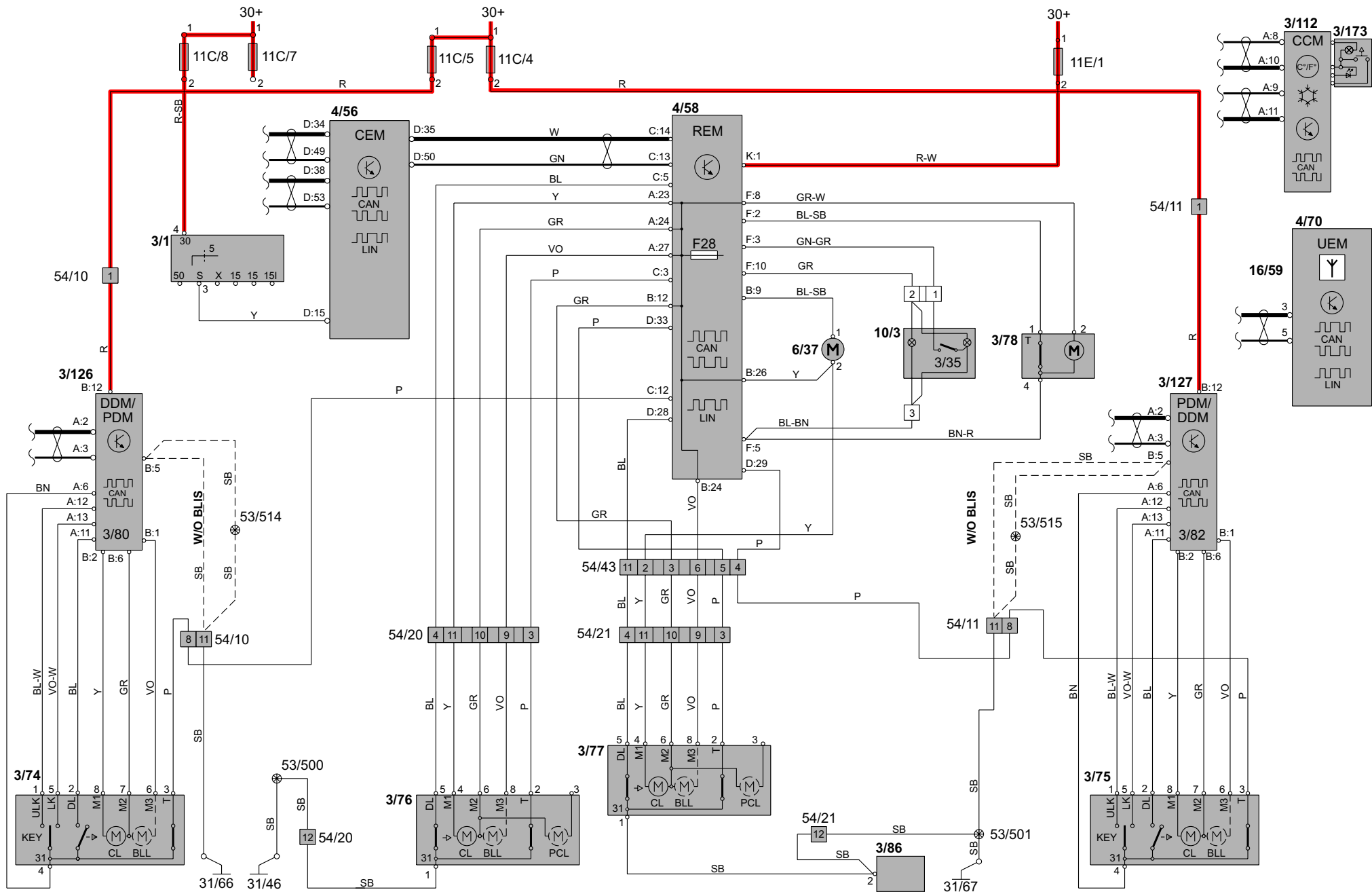
Group 76 Shock absorbers

Four-C



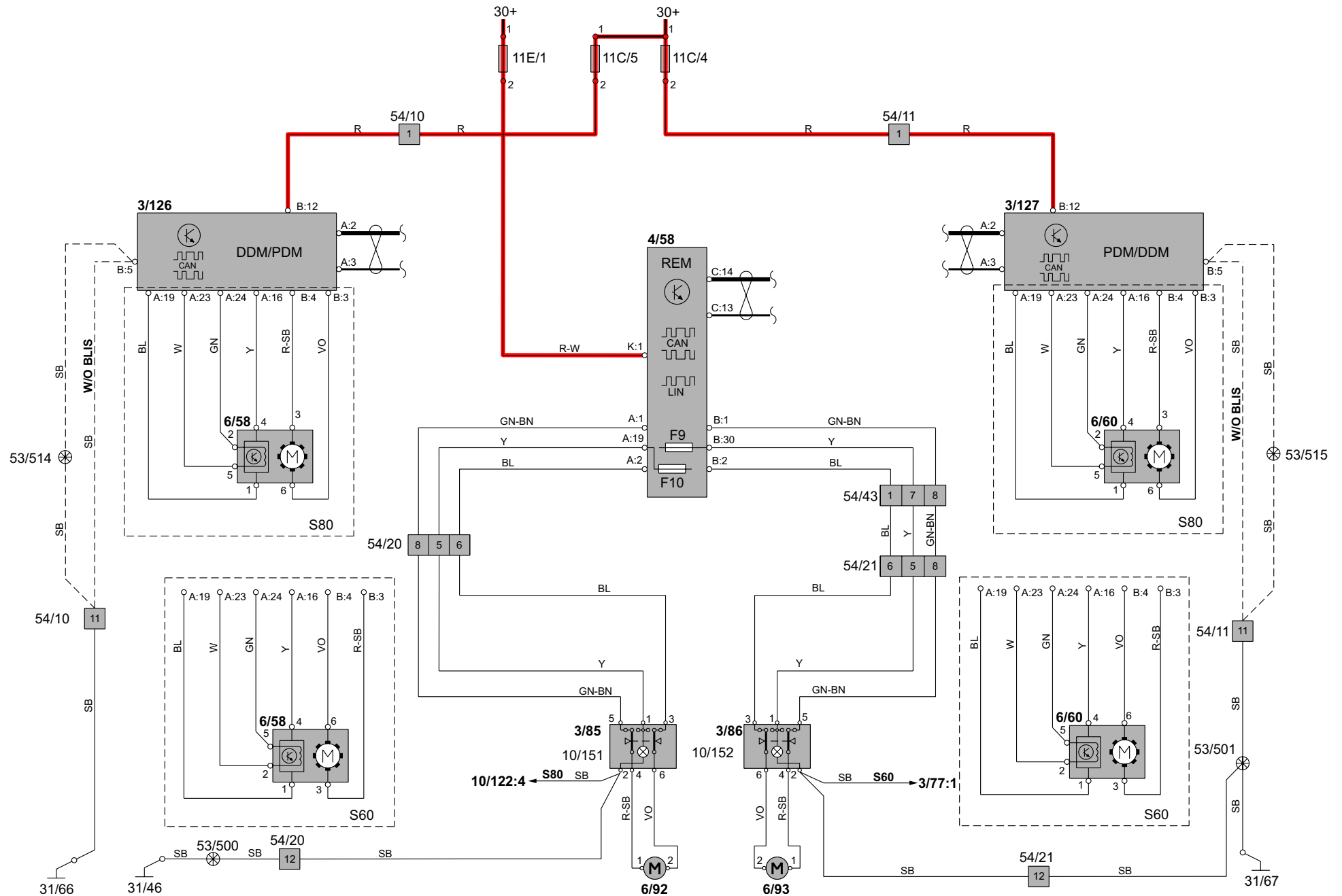
Group 83 Doors and openings

Central locking



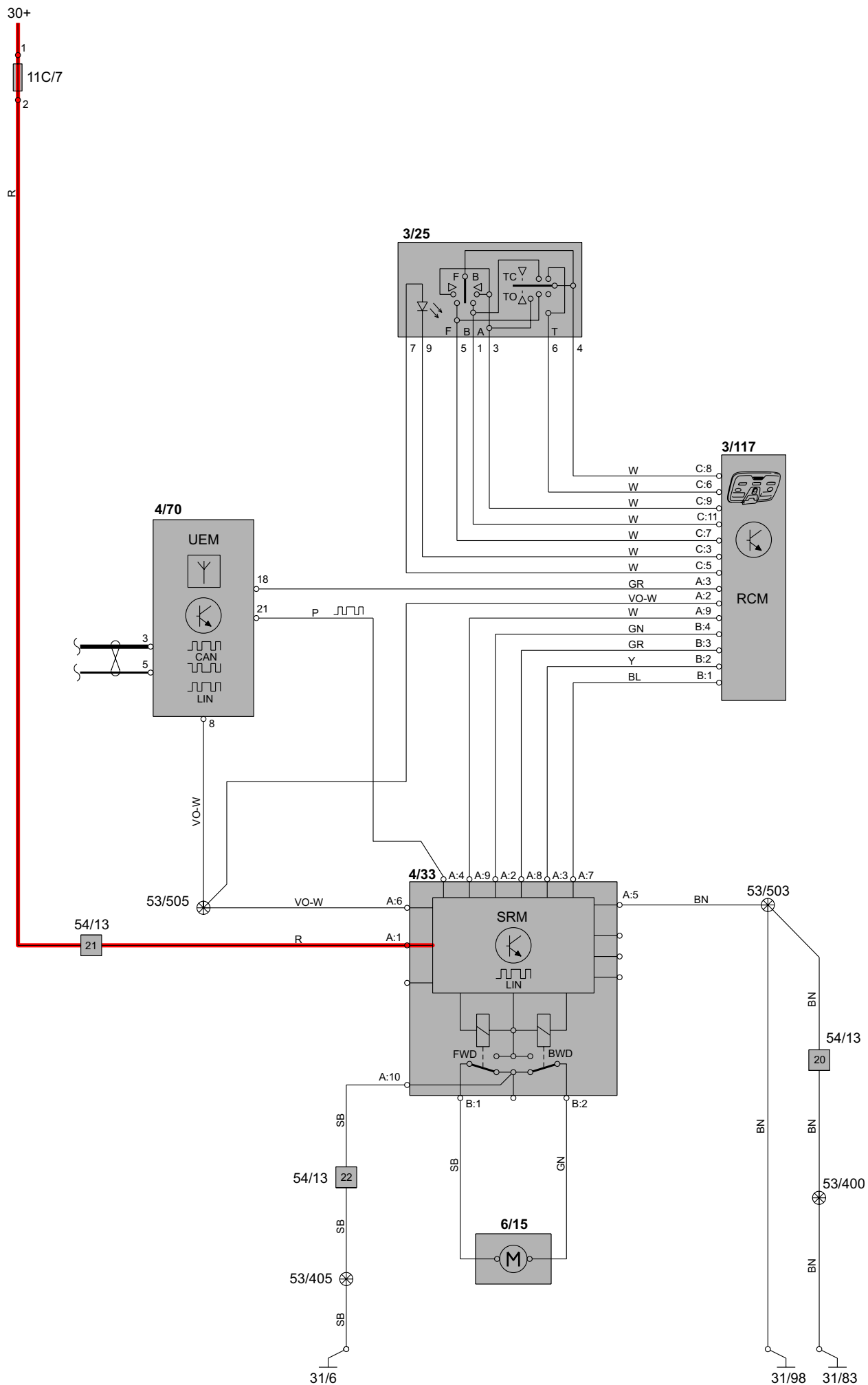
Group 83 Doors and openings

Power windows

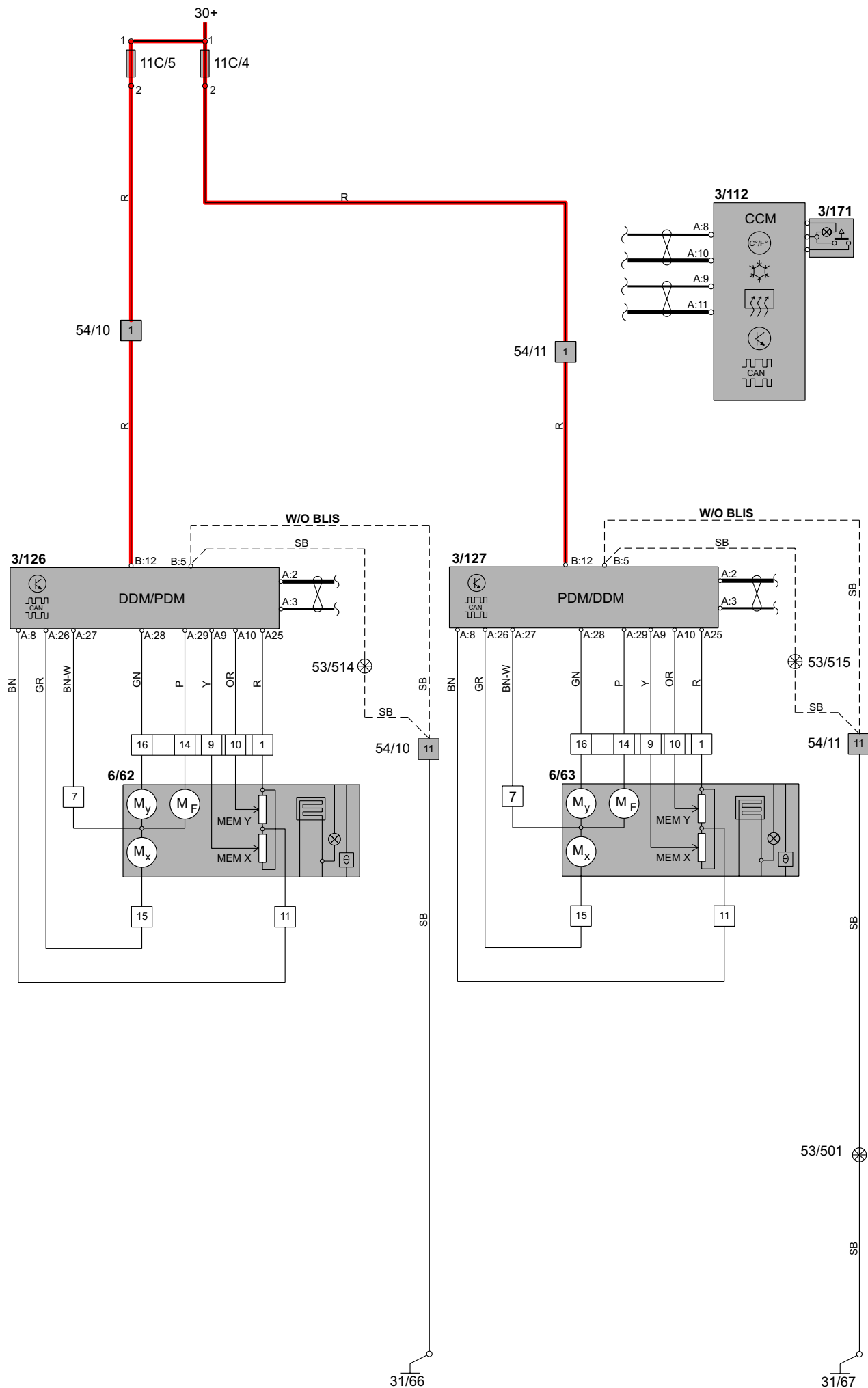


Group 83 Doors and openings

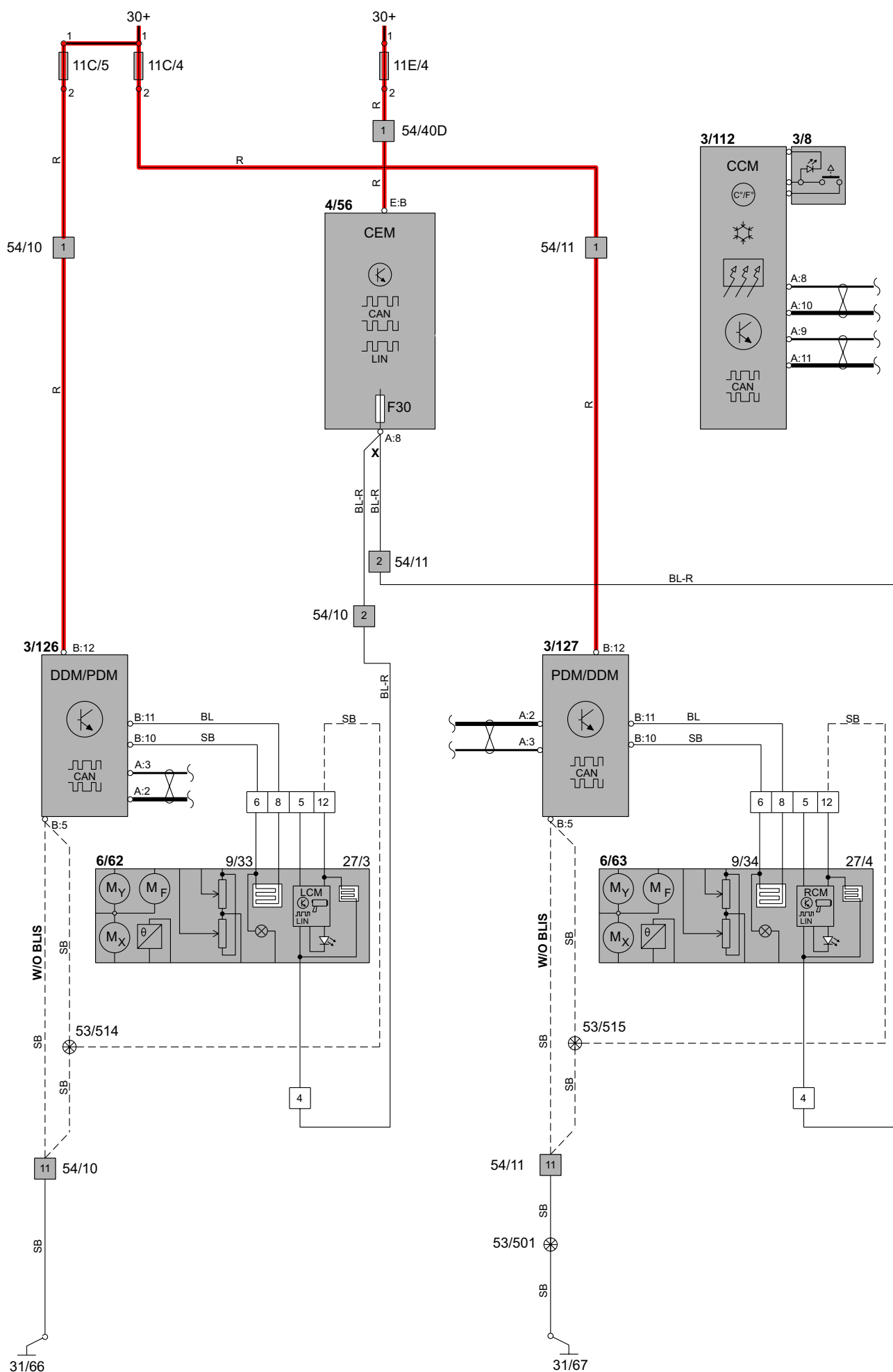
Power sunroof



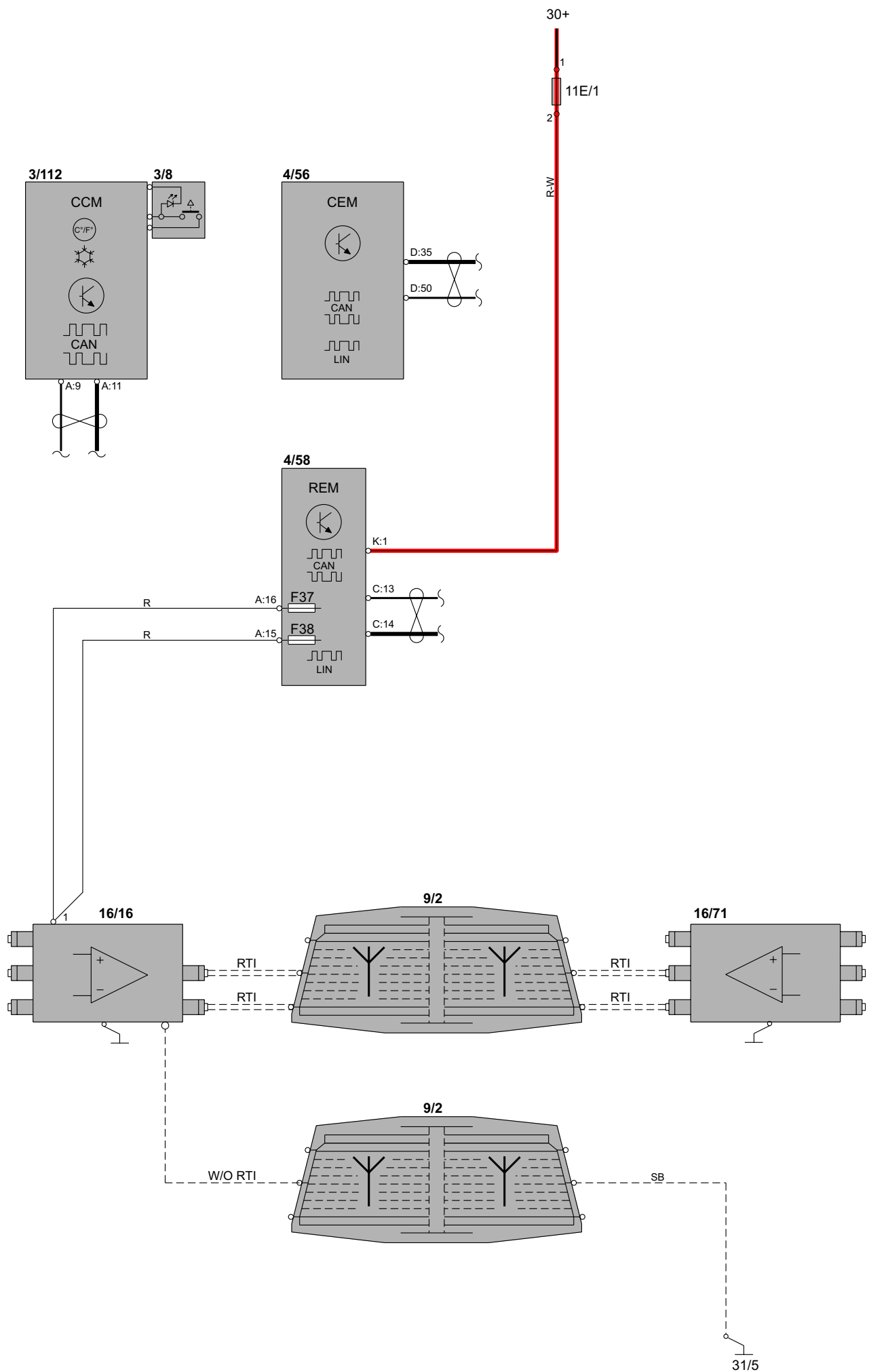
Group 84 Exterior decorative elements etc. Power door mirrors



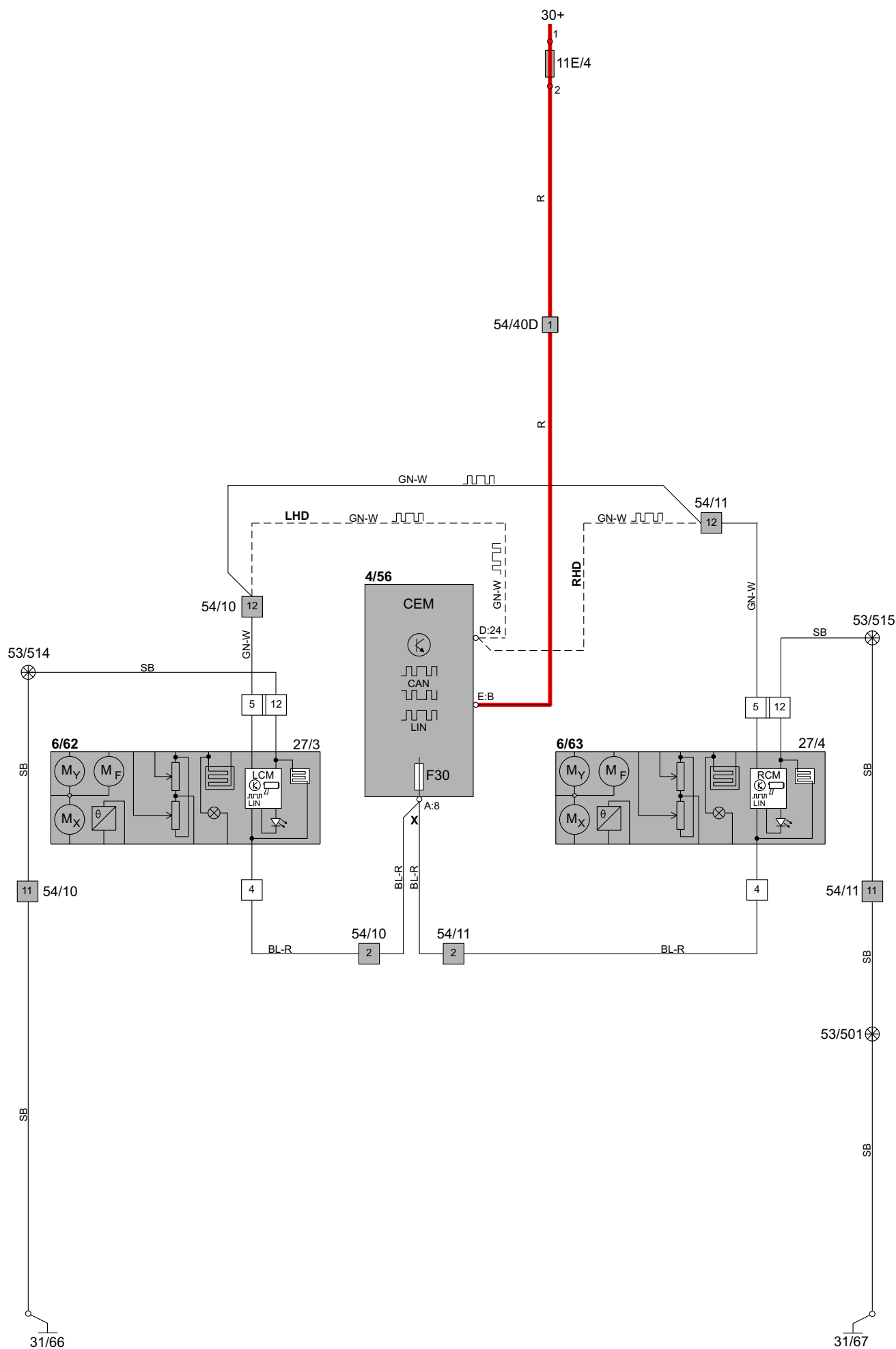
Group 84 Exterior decorative elements etc. Heated door mirrors



Group 84 Exterior decorative elements etc. Heated rear window

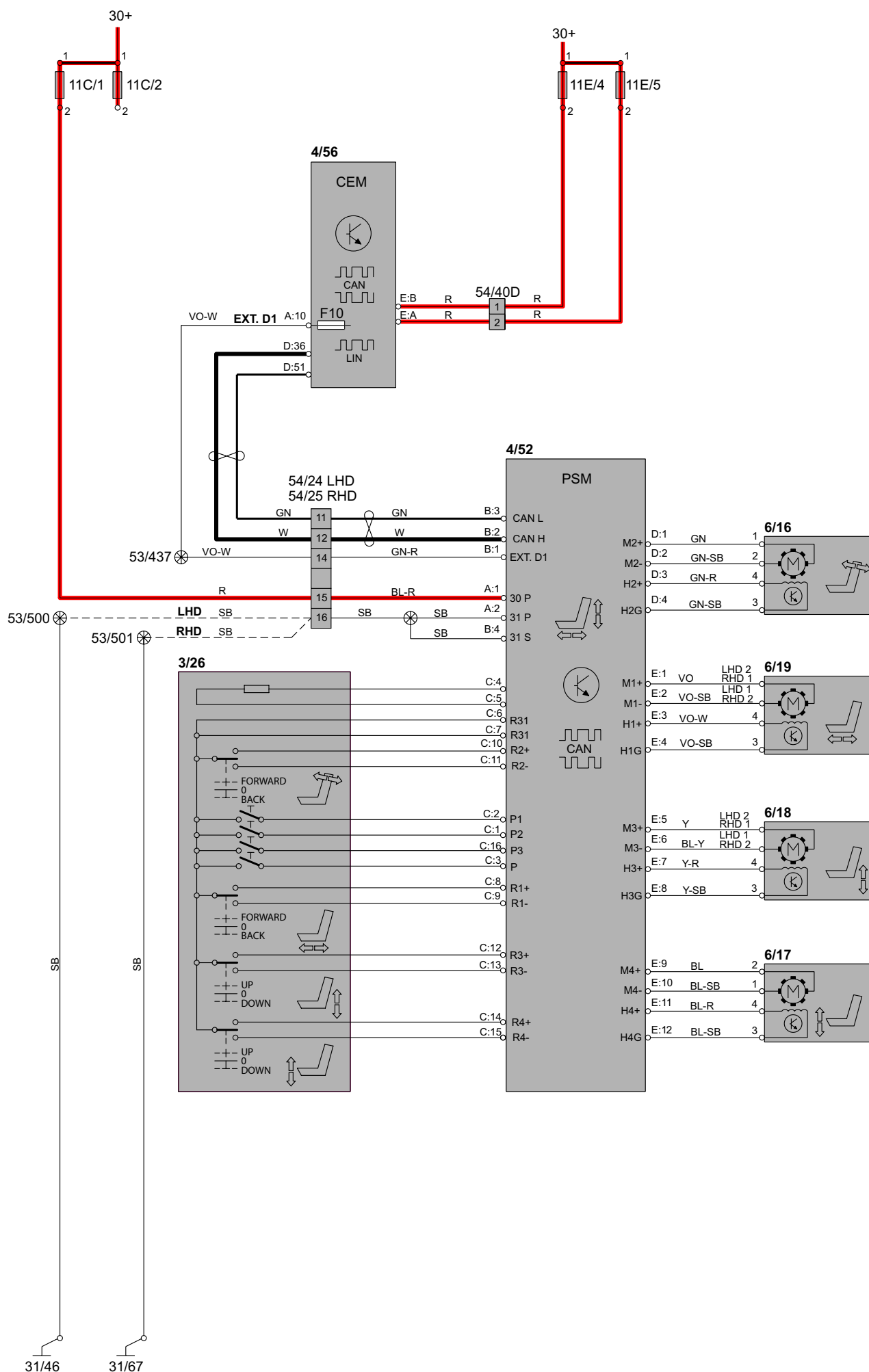


Group 84 Exterior decorative elements etc.
Power door mirrors with camera function



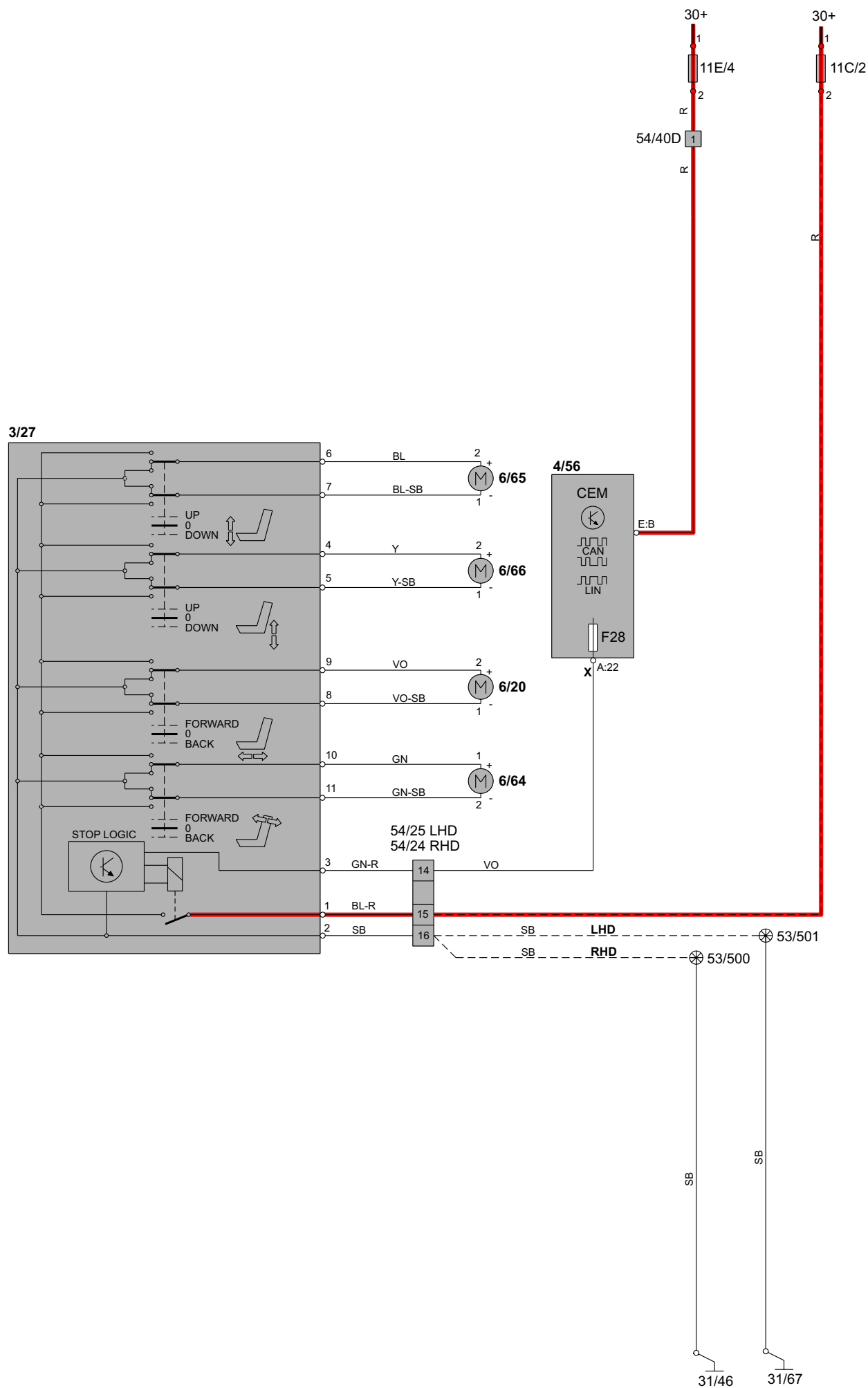
Group 85 Interior equipment

Power driver's seat



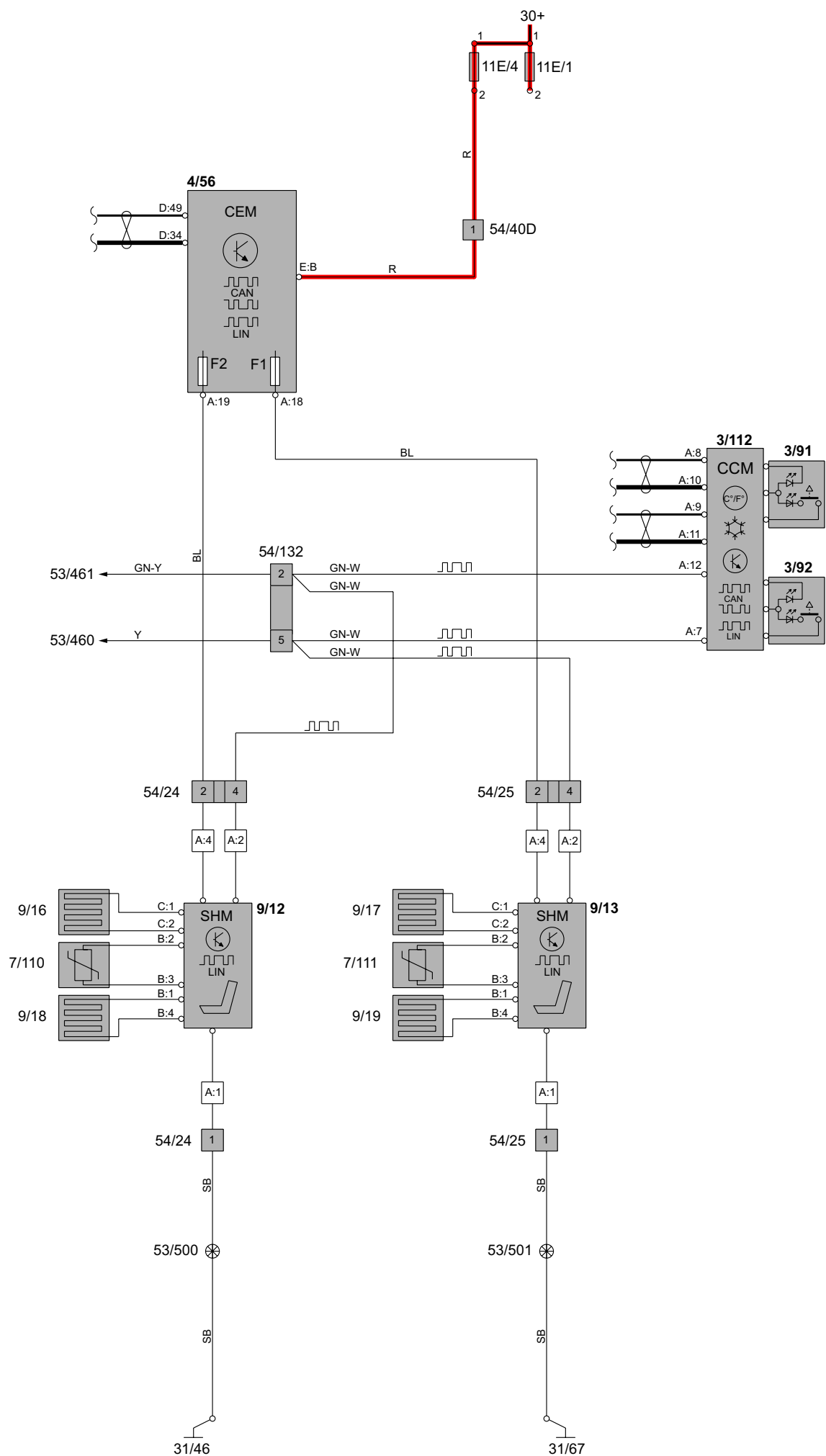
Group 85 Interior equipment

Power passenger seat

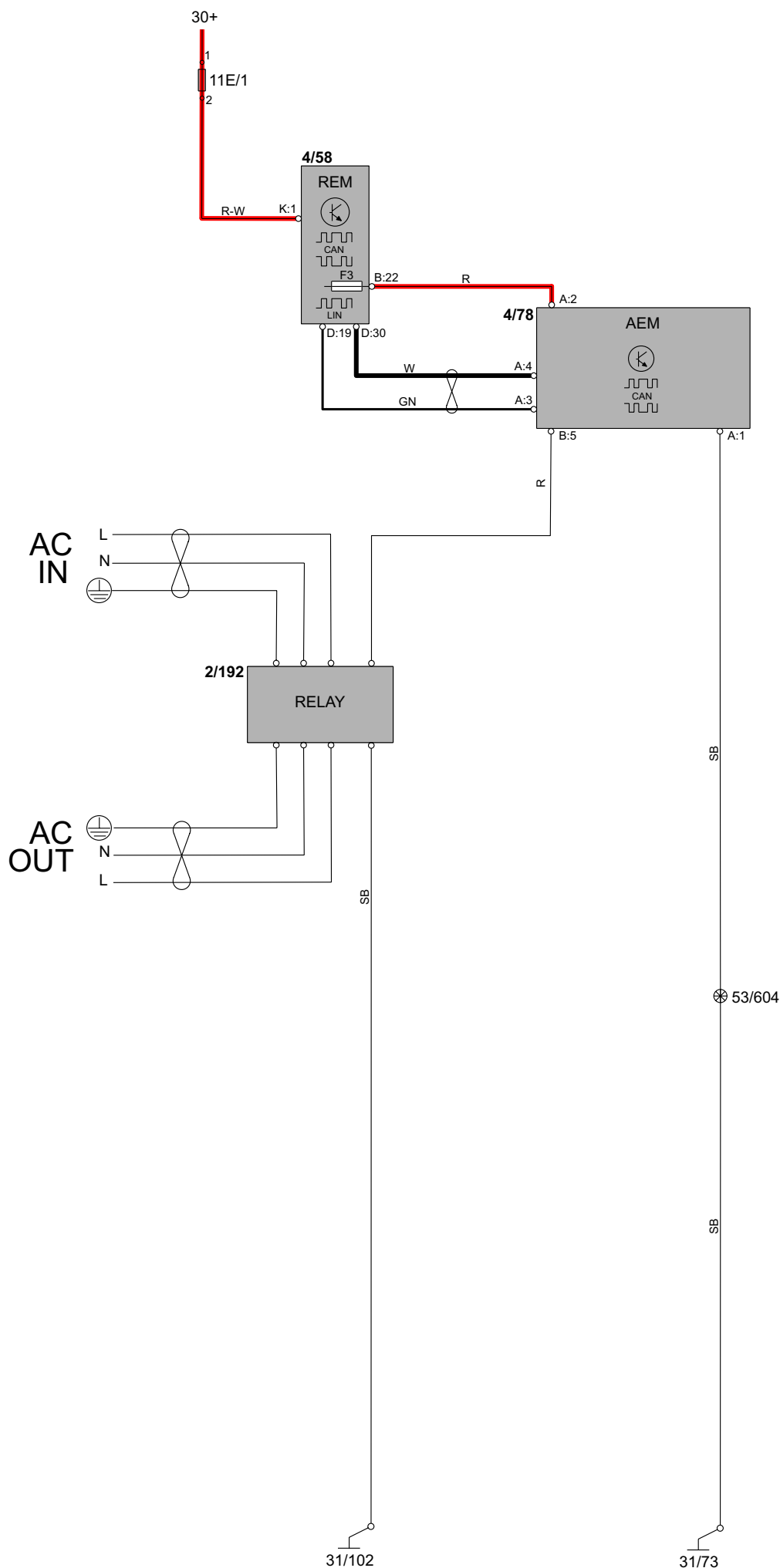


Group 85 Interior equipment

Heated seats

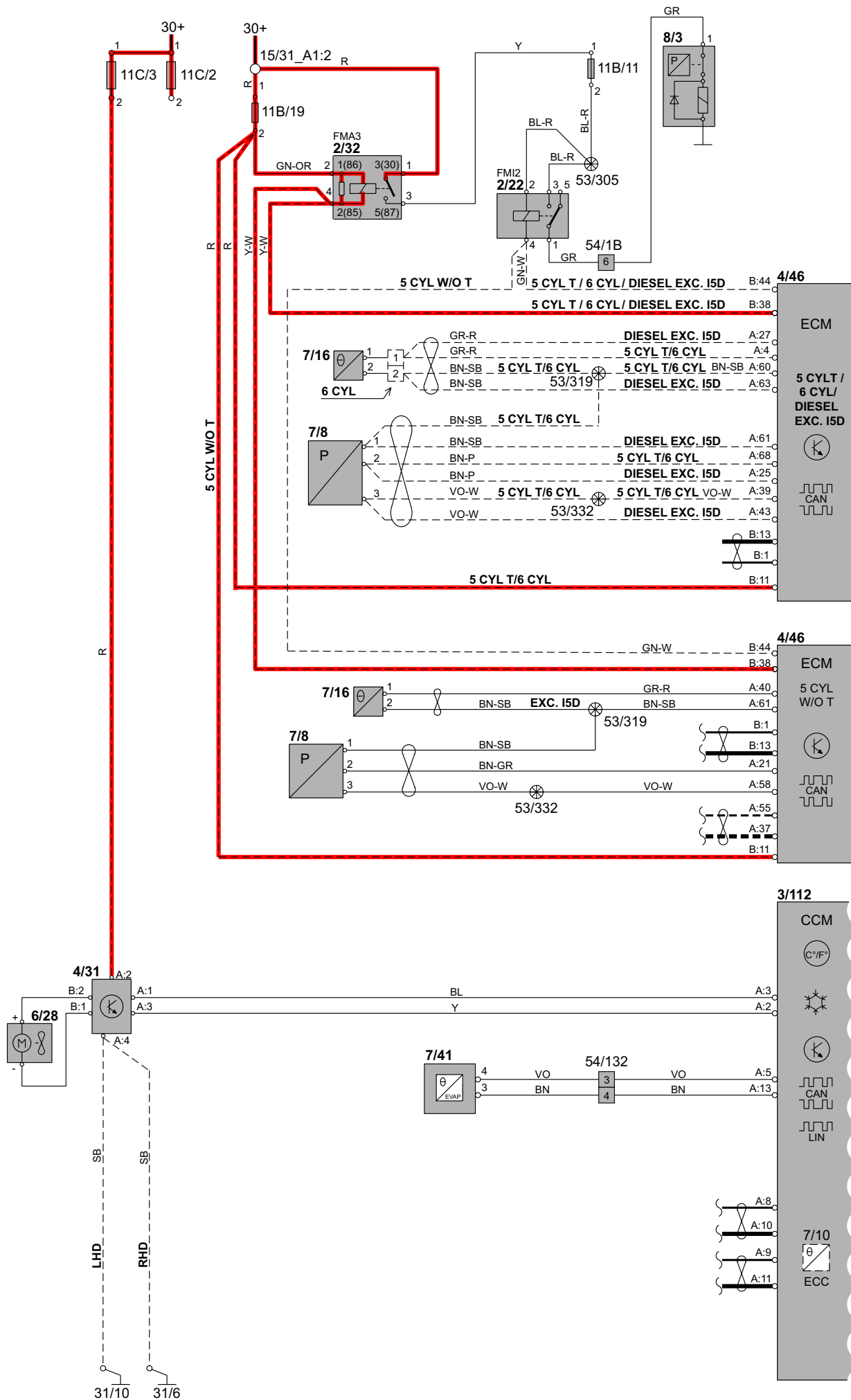


Group 87 Climate control system
Relay, electric engine heater



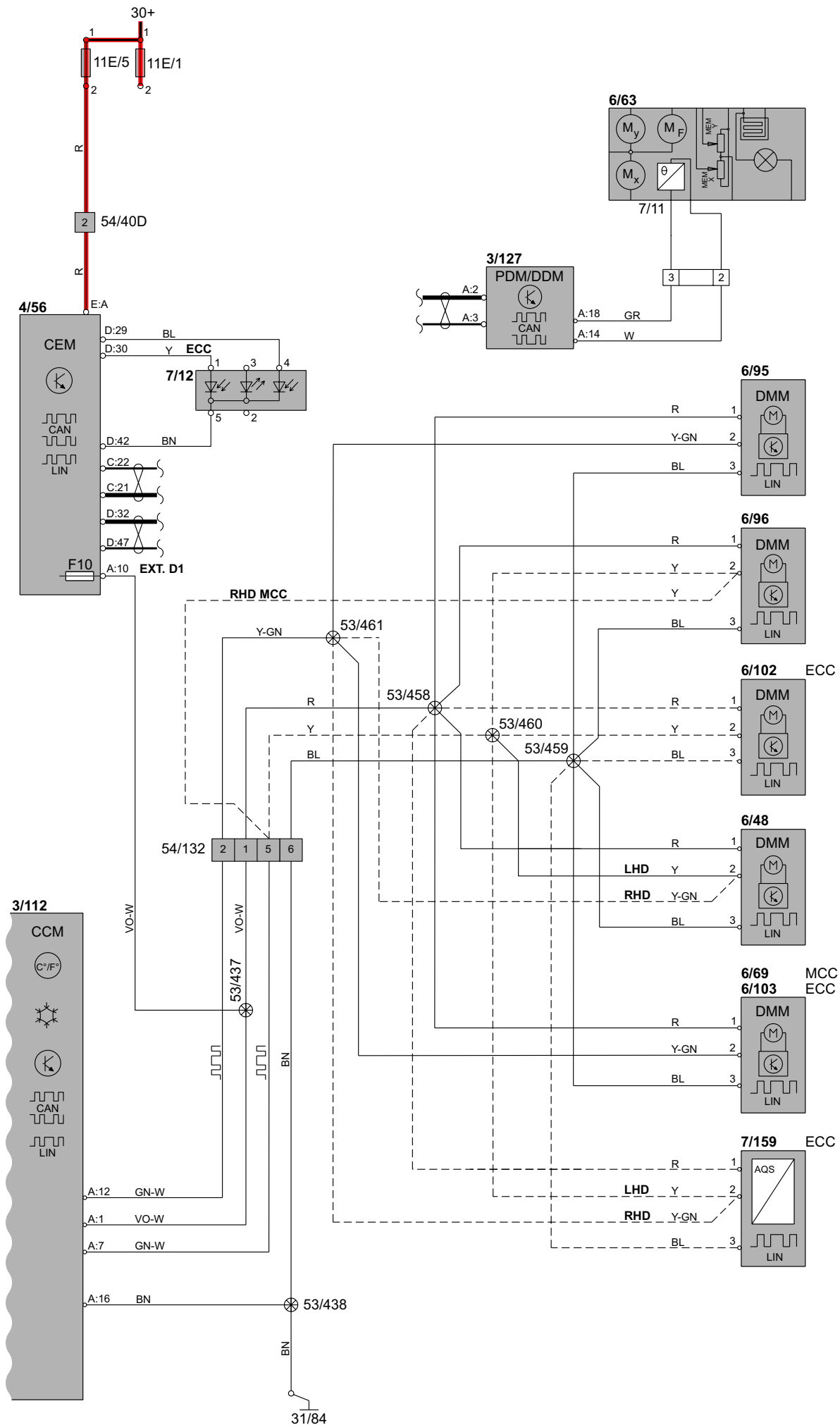
Group 87 Climate control system

Climate control system 1:2



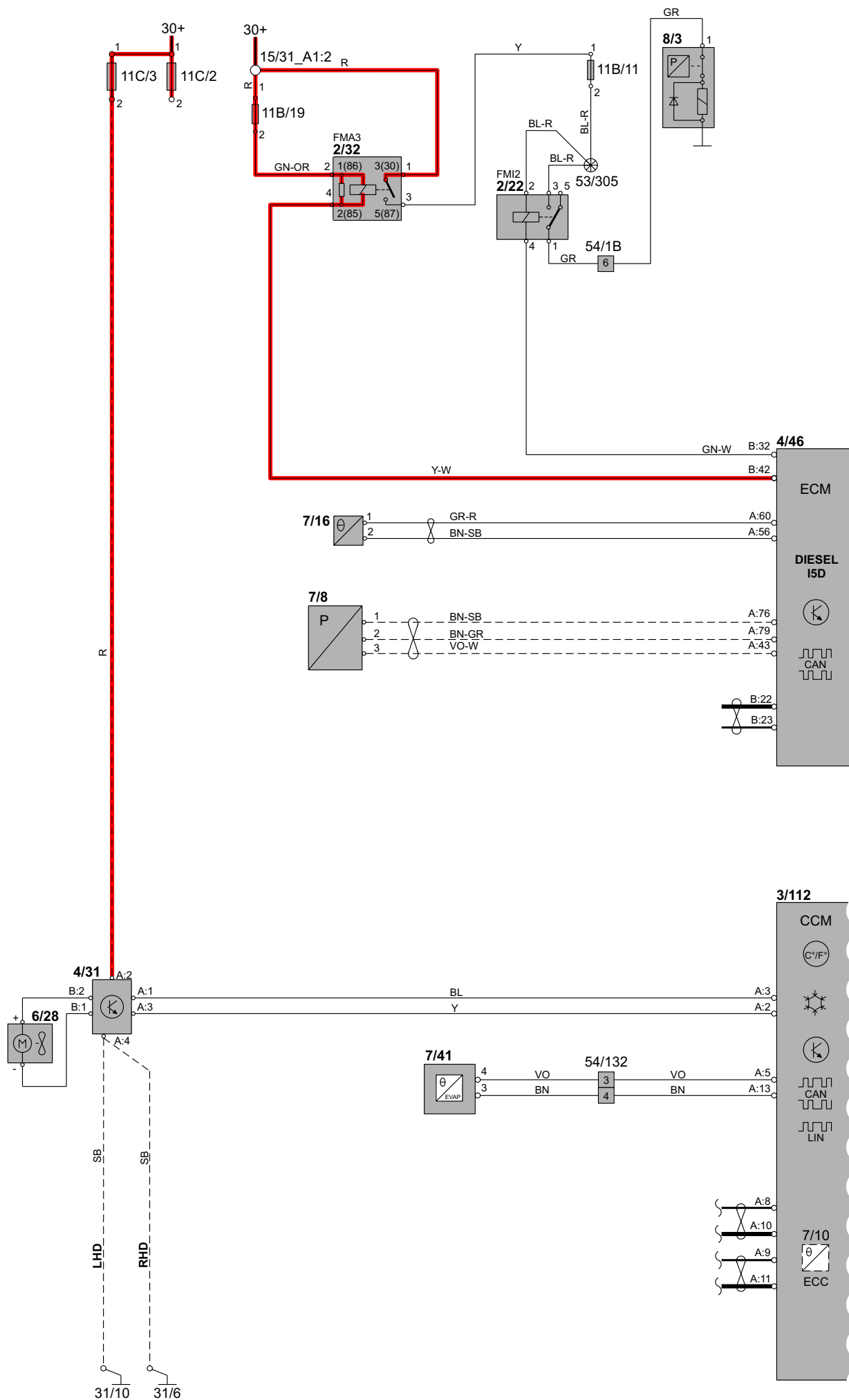
Group 87 Climate control system

Climate control system 2:2



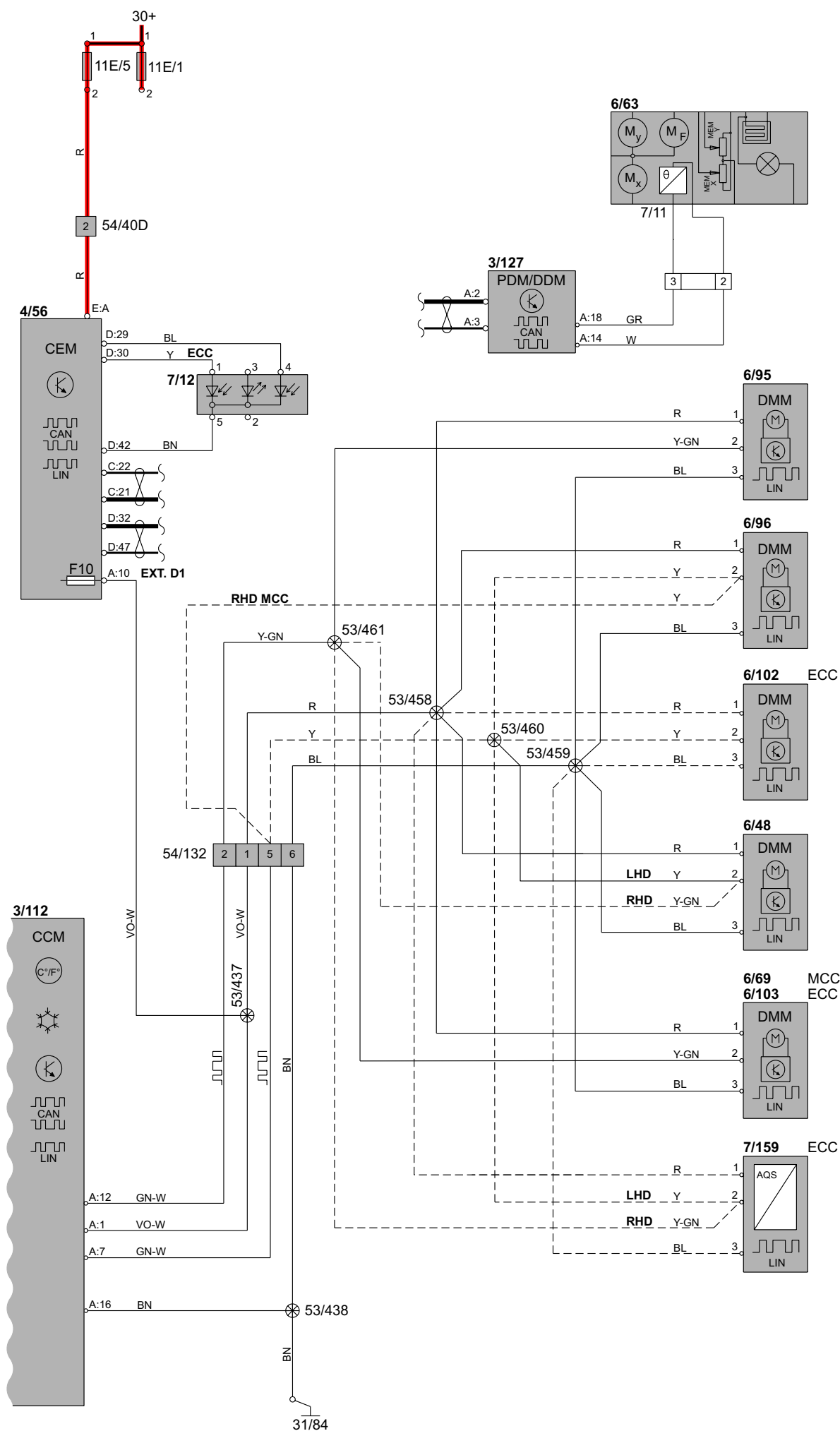
Group 87 Climate control system

Climate control system I5D 1:2



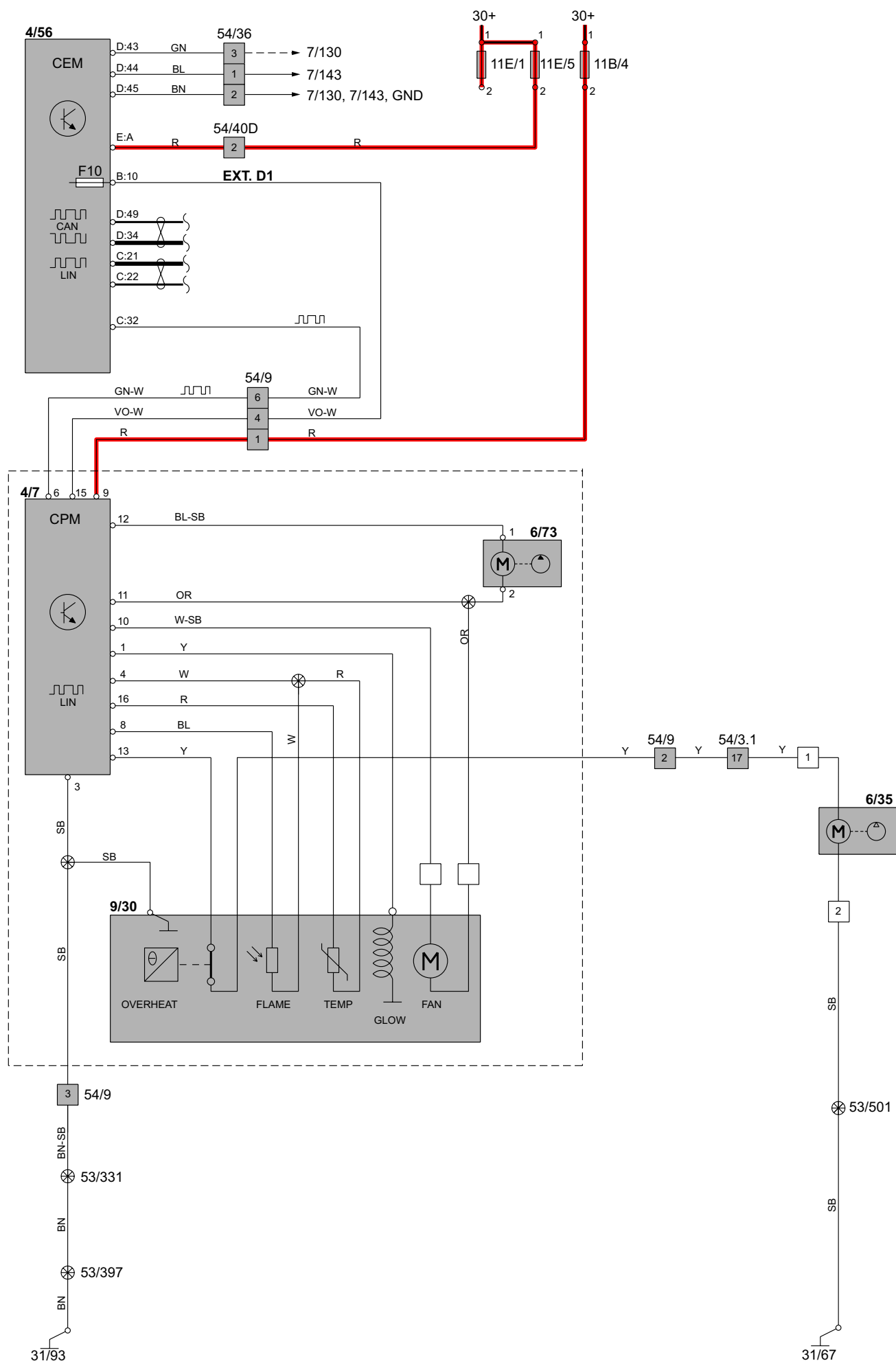
Group 87 Climate control system

Climate control system I5D 2:2

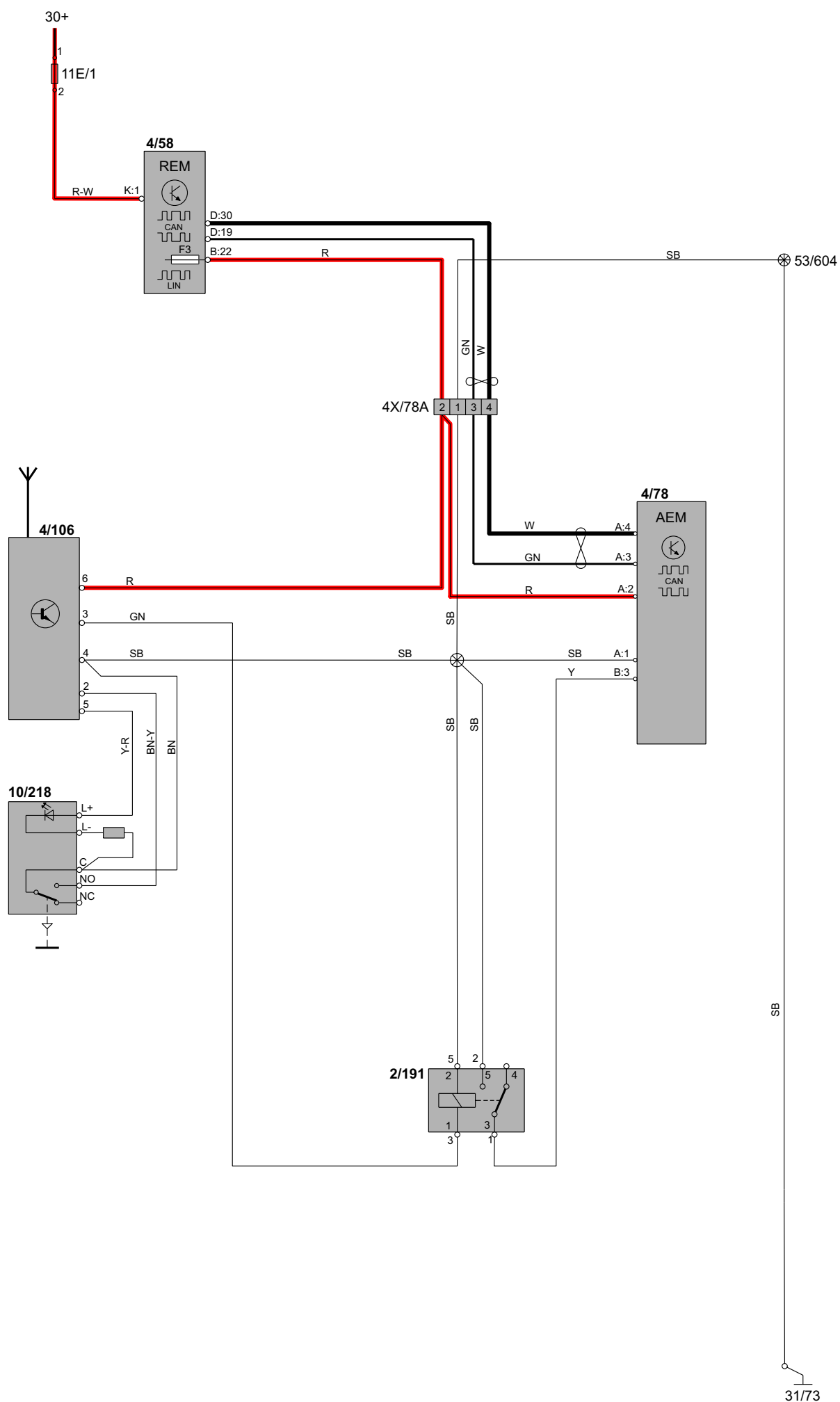


Group 87 Climate control system

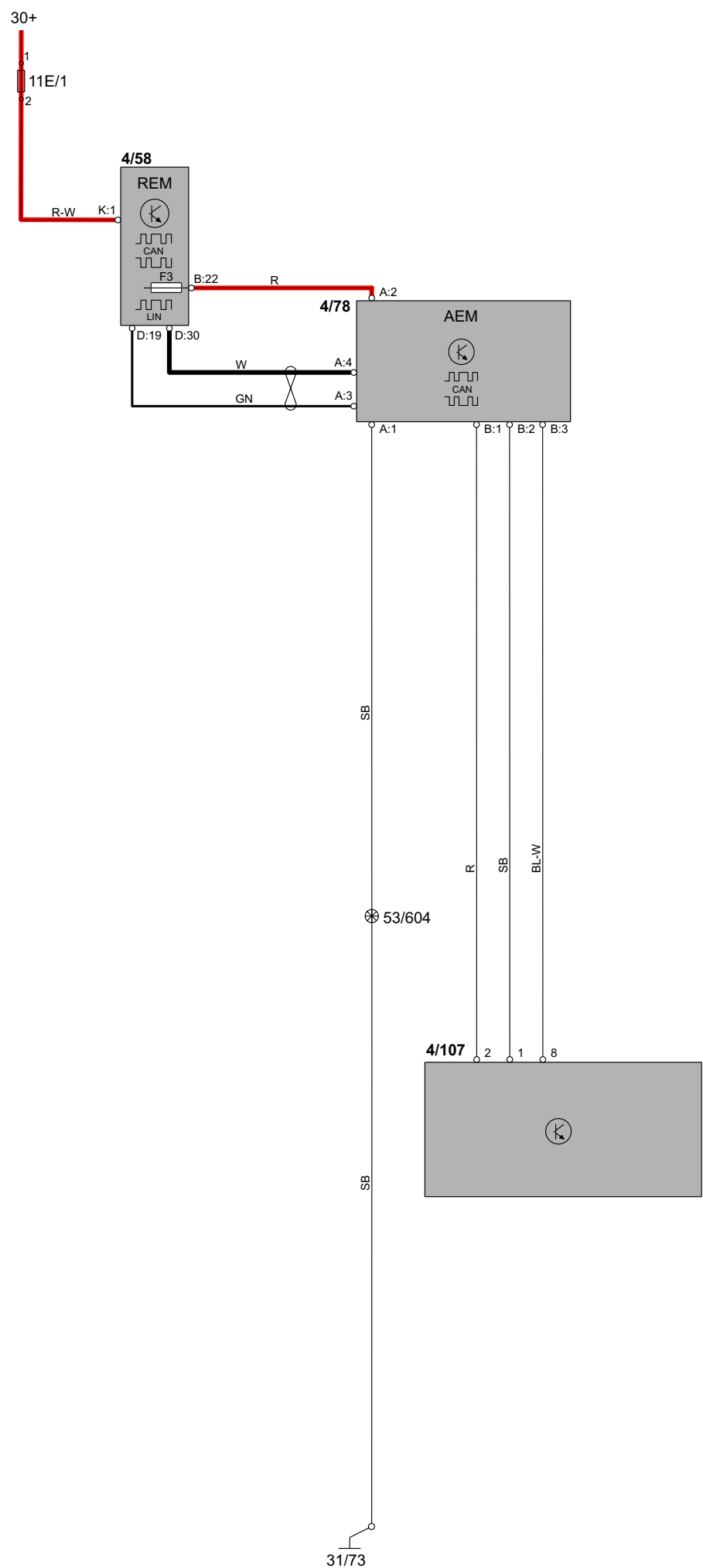
Parking heater, auxiliary heater



Group 87 Climate control system, Accessories Parking heater, remote start

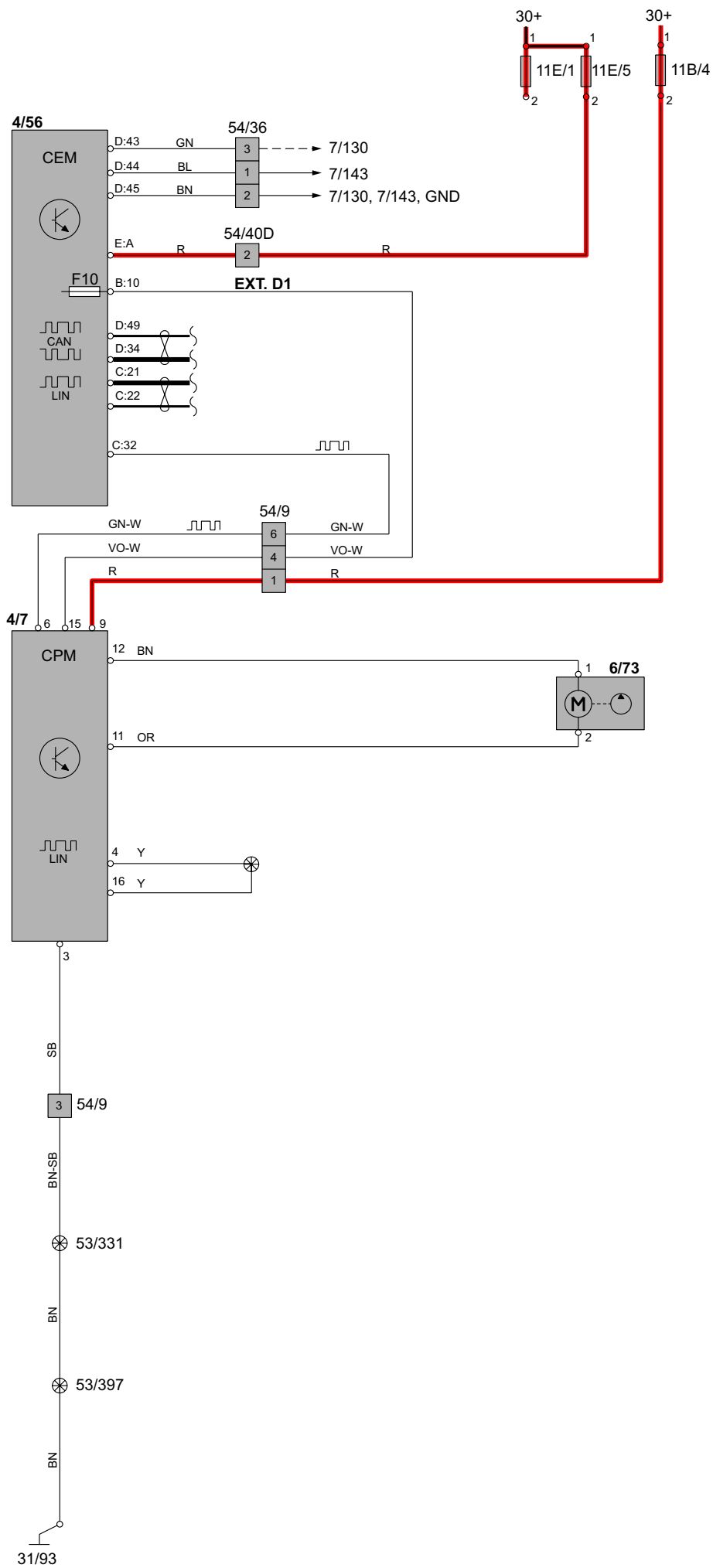


Group 87 Climate control system, Accessories
Parking heater, Call start

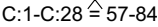


Group 87 Climate control system, Accessories

Short stop heater

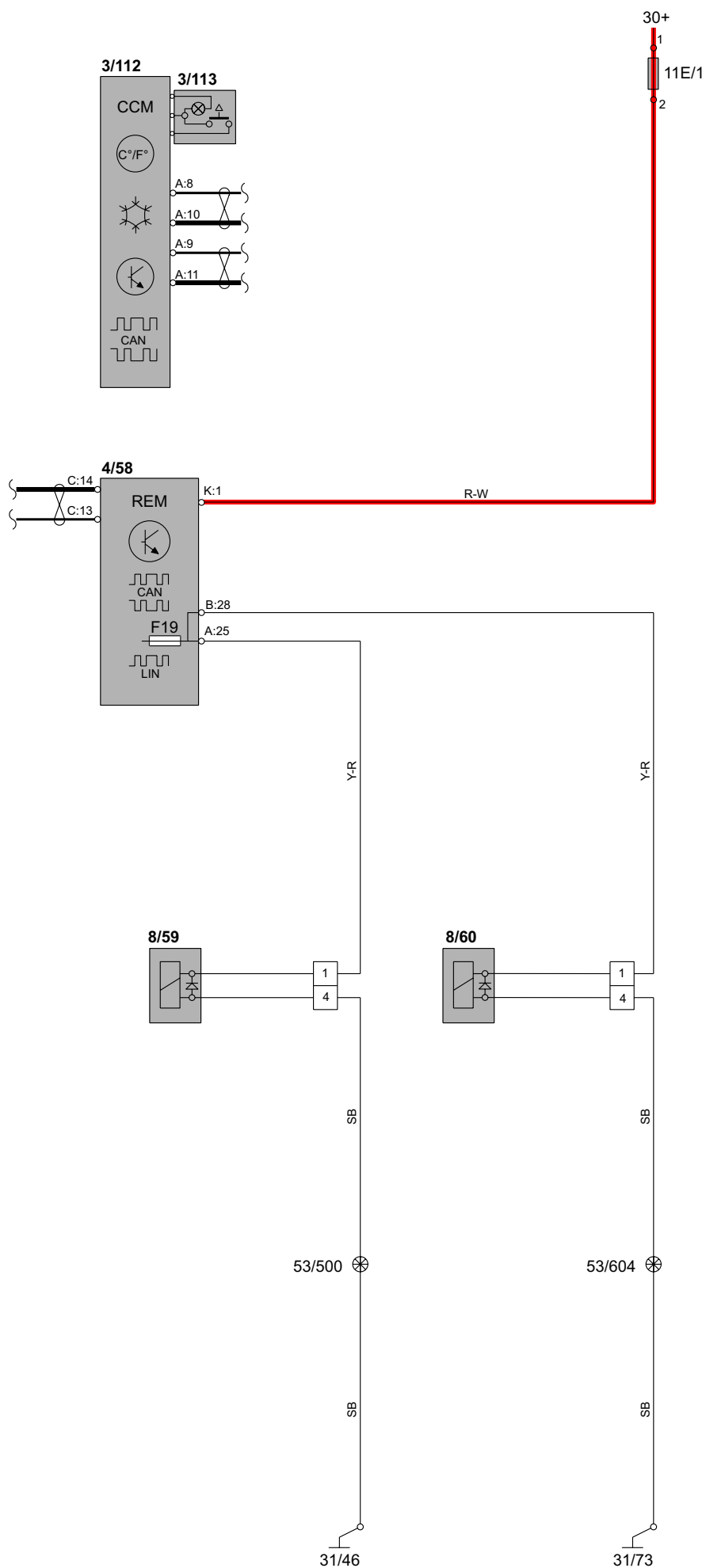


Supplemental Restraint System (SRS)



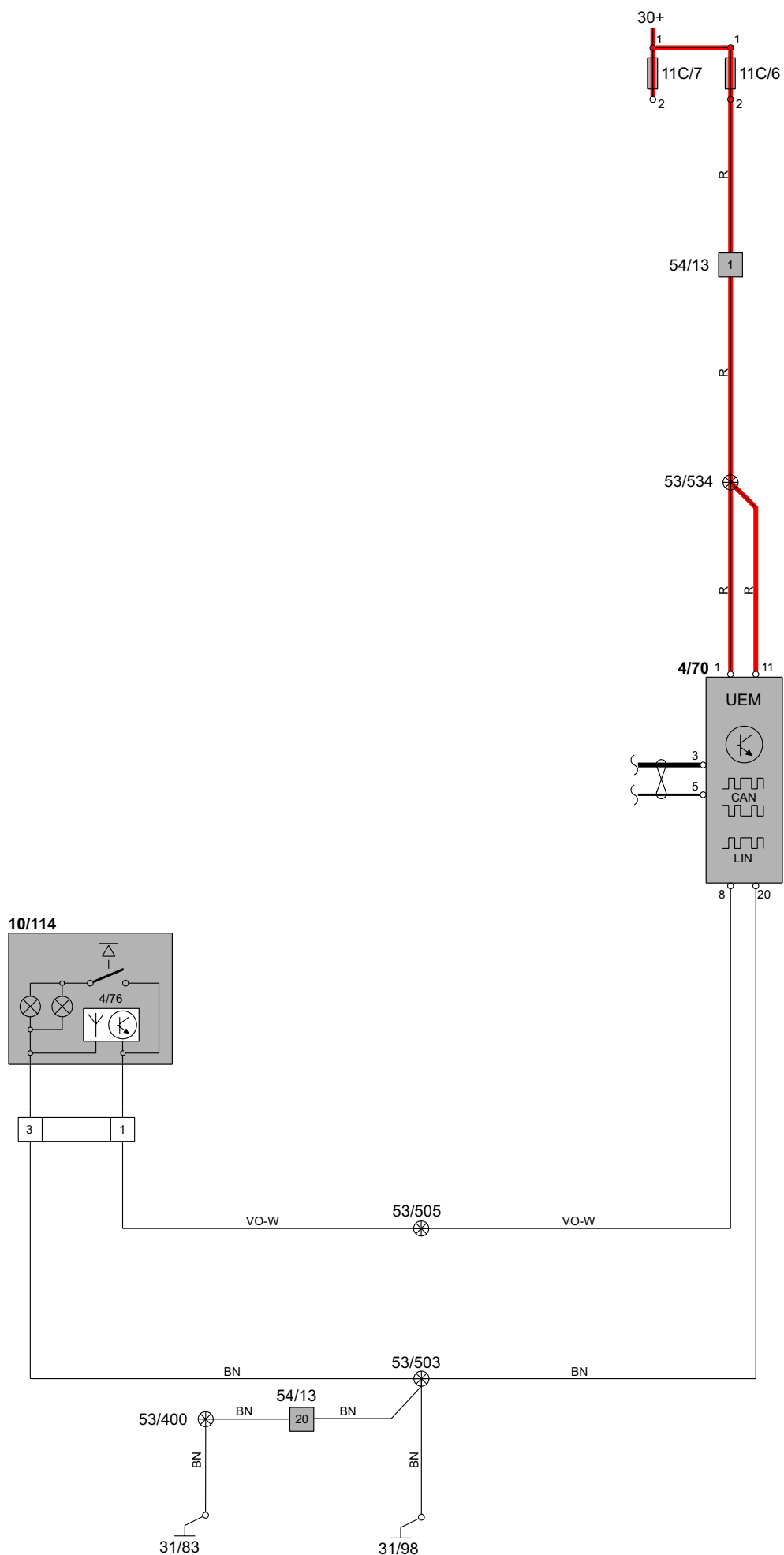
Group 88 Internal equipment

Electrically adjustable head restraint



Group 88 Internal equipment

Remote garage door opener



Connectors

54/1 - 54/1C

54/1

1-pin gray

No.	Engine compartment harness			Diesel engine harness		
1	2/14:3	Relay, glow plug unit, not I5D	R	53/374	Branching point	R

54/1B

14-pin gray

No.	Engine harness			Engine compartment harness		
1	-	-	-	-	-	-
2	7/17:1 7/17:2 53/315	Mass airflow sensor (MAF), I5D Mass airflow sensor (MAF), Diesel Branching point, 5&6-cyl.	GN	11B/12:2	Fuse in engine compartment fuse box	GN
3	53/309 53/335 53/335	Branching point Branching point, diesel Branching point, I5D	GN-GR GN-W GN-GB	11B/15:2	Fuse in engine compartment fuse box	GN-GR
4	-	-	-	-	-	-
5	53/328	Branching point	GN-W	11B/10:2	Fuse in engine compartment fuse box	GN-W
6	8/3:1	Electromagnetic clutch, climate control system	GR	2/22:1	Relay, climate control system	GR
7	7/15:4 53/304 53/373	Front heated oxygen sensor, I5D Branching point Branching point, diesel	GN-BN GN-BN R	11B/14:2 11B/10:2	Fuse in engine compartment fuse box Fuse in engine compartment fuse box	GN-BN R
8	6/25:2	starter motor	GN-R	2/35:3	Starter motor relay	GN-R
9	-	-	-	-	-	-
10	7/62:1	Output speed sensor	Y	4/28A:57	Transmission Control Module (TCM)	Y
11	7/62:2	Output speed sensor	SB	4/28A:39	Transmission Control Module (TCM)	SB
12	6/26B:1	Alternator Control Module (ACM)	GN-W	4/56C:16	Central Electronic Module (CEM), not I5D	GN-W
13	4/71:4	Cooling fan control module	VO	4/46A:7 4/46A:8	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	VO
14	4/50:6 53/314	Electronic Throttle Module (ETM) Branching point	GN-SB GN	11B/13:2	Fuse in engine compartment fuse box	GN-SB

54/1C

1-pin gray

No.	Engine compartment harness			I5D engine harness		
1	11A/1	Main fuse in engine compartment fuse box	R	4/109:11	Glow plug control module	R

Connectors

54/3.1

54/3.1

36-pin gray

No.	Passenger compartment harness			Engine compartment harness		
1	4/9B:18/46	Supplemental Restraint System (SRS)	OR	54/4:5	Connector	OR
2	4/9B:19/47	Supplemental Restraint System (SRS)	OR-SB	54/4:6	Connector	OR-SB
3	4/9B:21/49	Supplemental Restraint System (SRS)	GN-OR	54/4:7	Connector	GN-OR
4	4/9B:20/48	Supplemental Restraint System (SRS)	OR	54/4:8	Connector	OR
5	3/156A:2	GSM module	GN-W	4/28B:21 4/28A:7 54/57.1	Transmission Control Module (TCM) Transmission Control Module (TCM), TF-80SC (AWD) Connector, I5D	GN-W
6	54/10:6	Connector	BN	53/324 4/46B:4	Branching point, Man. Engine Control Module (ECM), Auto	BN
7	54/10:5	Connector	W	4/46B:29	Engine Control Module (ECM), Auto	W
8	54/36:6	Connector	Y	4/46B:47	Engine Control Module (ECM)	Y
9	7/56:1	Left-hand rear ABS sensor	BN	4/16:36	Brake Control Module (BCM)	BN
10	7/56:2	Left-hand rear ABS sensor	Y	4/16:37	Brake Control Module (BCM)	Y
11	4/56D:32 54/74:4	Central Electronic Module (CEM) Connector	W	4/16:11	Brake Control Module (BCM)	W
12	4/56D:47 54/74:2	Central Electronic Module (CEM) Connector	GN	4/16:15	Brake Control Module (BCM)	GN
13	-		-	-		-
14	4/58C:4	Rear Electronic Module (REM)	Y	54/4:3	Connector	Y
15	54/13:15	Connector	P	16/35:2	Siren Control Module (SCM)	P
16	5/1:6	Driver Information Module (DIM)	Y-R	7/4:1	Brake fluid sensor	Y-R
17	6/35:1	Fuel pump, auxiliary heater	Y	54/9:2	Connector	Y
18	5/1:2	Driver Information Module (DIM)	GR	4/46B:46	Engine Control Module (ECM)	GR
19	7/57:1	Right-hand rear ABS sensor	BN-W	4/16:43	Brake Control Module (BCM)	BN-W
20	7/57:2	Right-hand rear ABS sensor	Y-W	4/16:42	Brake Control Module (BCM)	Y-W
21	7/164: 1	Body Sensor Cluster Stability Sensor (BSC)	GN	4/16:25	Brake Control Module (BCM)	GN
22	7/164:2	Body Sensor Cluster Stability Sensor (BSC)	W	4/16:29	Brake Control Module (BCM)	W
23	7/164:3	Body Sensor Cluster Stability Sensor (BSC)	GR	4/16:6	Brake Control Module (BCM)	GR
continues						

Connectors

54/3.1 - 54/3.2

54/3.1

36-pin white

No.	Passenger compartment harness			Engine compartment harness		
24	7/164:5	Body Sensor Cluster Stability Sensor (BSC)	GR-W	4/16:39	Brake Control Module (BCM)	GR-W
25	-		-	-		-
26	3/1156A:6 8/134:6	Gear Selector Module (GSM) Solenoid, reverse interlock, manual	SB SB	4/28A:54 53/329	Transmission Control Module (TCM) Branching point, Man.	BL-SB SB
27	4/84A:9	Suspension Module (SUM)	GR-R	8/21:1	Shock absorber, Four-C, front right	GR-R
28	4/84A:8	Suspension Module (SUM)	BN-W	8/21:2	Shock absorber, Four-C, front right	BN-W
29	4/84A:27	Suspension Module (SUM)	BN	7/119:2	Acceleration sensor, shock absorber, Four-C, front right	BN
30	53/570	Branching point	SB	53/355	Branching point	SB
31	53/569	Branching point	R	53/354	Branching point	R
32	4/84A:22	Suspension Module (SUM)	VO	7/88:1	Acceleration sensor, Four-C, front right	VO
33	4/84A:10	Suspension Module (SUM)	VO-W	7/87:1	Acceleration sensor, Four-C, front	VO-W
34	4/84A:12	Suspension Module (SUM)	Y-W	7:118:2	Acceleration sensor, Four-C, front left	Y-W
35	4/84A:6	Suspension Module (SUM)	GN	8/20:1	Shock absorber, Four-C, front left	GN
36	4/84A:7	Suspension Module (SUM)	BL-R	8/20:2	Shock absorber, Four-C, front left	BL-R

54/3.2

6-pin, gray, LHD

No.	Passenger compartment harness			Engine compartment harness		
1	54/34:1	Connector	GN-GR	11B/15	Fuse in engine compartment fuse box	GN-GR
2	54/34:2	Connector	GN-R	4/46B:34	Engine Control Module (ECM)	GN-R
3	54/34:3	Connector	GN	4/46B:40	Engine Control Module (ECM)	GN
4	54/34 4	Connector	BL-SB	4/46B:7	Engine Control Module (ECM)	BL-SB
5	-		-	-		-
6	-		-	-		-

Connectors

54/4 - 54/8

54/4

8-pin gray

No.	Engine compartment harness			Front harness		
1	4/56B:15	Central Electronic Module (CEM)	R-SB	16/10:1	Horn 1	R-SB
2	4/56B:15	Central Electronic Module (CEM)	R-SB	16/11:1	Horn 2	R-SB
3	54/3.1:14	Connector	Y	3/62: 1	Hood alarm contact	Y
4	53/331	Branching point	SB	53/382	Branching point	SB
5	54/3.1:1	Connector	OR	7/179:1	Front impact sensor, left	OR
6	54/3.1:2	Connector	OR-SB	7/179:2	Front impact sensor, left	OR-SB
7	54/3.1:3	Connector	GN-OR	7/178:1	Front impact sensor, right	GN-OR
8	54/3.1:4	Connector	OR	7/178:2	Front impact sensor, right	OR

54/7

3-pin gray

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

54/8

2-pin gray

No.	Engine compartment harness			Accessories harness		
1	11B/5:2	Fuse in engine compartment fuse box	R-SB	2/64:2	Auxiliary lights harness, accessories, signal ground	R
				2/64:4	Auxiliary lights harness, accessories, 30-feed	
2	4/56C:9	Central Electronic Module (CEM)	BN-W	2/64:1	Auxiliary light (accessory) relay	BN-W

Connectors

54/9 - 54/10

54/9

6-pin gray

No.	Engine compartment harness			Heater harness		
1	11B/4	Fuse in engine compartment fuse box	R	4/7:9	Combustion Preheater Module (CPM)	R
2	54/3.1:17	Connector	Y	9/30	Auxiliary heater	Y
3	53/331	Branching point	BN-SB	4/7:3 9/30	Combustion Preheater Module (CPM) Auxiliary heater	SB
4	4/56B:10	Central Electronic Module (CEM)	YO-W	4/7:15	Combustion Preheater Module (CPM)	YO-W
5	-		-	-		-
6	4/56C:32	Central Electronic Module (CEM)	GN-W	4/7:6	Combustion Preheater Module (CPM)	GN-W

54/10

12-pin black

No.	Passenger compartment harness			Harness, front left door		
1	11C/5:2	Fuse in passenger compartment fuse box	R	3/126B:12	Driver/Passenger Door Module (DDM)/(PDM)	R
2	4/56A:8	Central Electronic Module (CEM)	BL-R	27/3:4	Left Camera Module (LCM)	BL-R
3	4/56D:39	Central Electronic Module (CEM)	W	3/126A:2	Driver/Passenger Door Module (DDM)/(PDM)	W
4	4/56D:54	Central Electronic Module (CEM)	GN	3/126A:3	Driver/Passenger Door Module (DDM)/(PDM)	GN
5	54/3.1:7	Connector	W	6/62:2	Left-hand power door mirror	OR-W
6	54/3.1:6	Connector	BN	6/62:3	Left-hand power door mirror	BN
7	-		-	-		-
8	4/58C:12	Rear Electronic Module (REM)	P	3/74:3	Left-hand front door lock unit	P
9	16/1B:1 54/14:1	Audio Module (AUM) Connector	GR-R	16/4:1	Left-hand front door speaker	GR-R
10	16/1B:2 54/14:2	Audio Module (AUM) Connector	GR	16/4:2	Left-hand front door speaker	GR
11	31/66	Ground connection	SB	3/126B:5 53/514	Driver/Passenger Door Module (DDM)/(PDM) Branching point	SB
12	4/56D:24 54/11:12	Central Electronic Module (CEM) Connector	GN-W	27/3:5	Left Camera Module (LCM)	GN-W

Connectors

54/11 - 54/12

54/11

12-pin black

No.	Passenger compartment harness			Harness, front right door		
1	11C/4:2	Fuse in passenger compartment fuse box	R	3/127B:12	Passenger/Driver Door Module (PDM)/(DDM)	R
2	4/56A:8	Central Electronic Module (CEM)	BL-R	27/4:4	Right-hand Camera Module (RCM)	BL-R
3	53/433	Branching point	W	3/127A:2	Passenger/Driver Door Module (PDM)/(DDM)	W
4	53/434	Branching point	GN	3/127A:3	Passenger/Driver Door Module (PDM)/(DDM)	GN
5	-		-	-		-
6	-		-	-		-
7	-		-	-		-
8	54/43:4	Connector	P	3/75:3	Right-hand front door lock unit	P
9	16/1B:5 54/14:5	Audio Module (AUM) Connector	GR-R	16/3:1	Right-hand front door speaker	GR-R
10	16/1B:6 54/14:6	Audio Module (AUM) Connector	GR	16/3:2	Right-hand front door speaker	GR
11	53/501	Branching point	SB	3/127B:5 53/515	Passenger/Driver Door Module (PDM)/(DDM) Branching point	SB
12	4/56D:24 54/10:12	Central Electronic Module (CEM) Connector	GN-W	27/4:5	Right-hand Camera Module (RCM)	GN-W

54/12

4-pin orange

No.	Passenger compartment harness			Airbag harness		
1	4/9B:12/40	Supplemental Restraint System (SRS)	OR	8/31:1	Passenger side airbag igniter	-
2	4/9B:11/39	Supplemental Restraint System (SRS)	OR-SB	8/31:2	Passenger side airbag igniter	-
3	4/9B:14/42	Supplemental Restraint System (SRS)	GN-OR	8/32:2	Igniter, passenger side airbag stage 2	-
4	4/9B:13/41	Supplemental Restraint System (SRS)	OR	8/32:1	Igniter, passenger side airbag stage 2	-

Connectors

54/13 -54/14

54/13

22-pin black

No.	Passenger compartment harness			Roof harness		
1	11C/6:2	Fuse in passenger compartment fuse box	R	53/534	Branching point	R
2-4	-		-	-		-
5	4/56D:38	Central Electronic Module (CEM)	W	4/70:3	Upper Electronic Module (UEM)	W
6	4/56D:53	Central Electronic Module (CEM)	GN	4/70:5	Upper Electronic Module (UEM)	GN
7-10	-		-	-		-
11	4/58A:6	Rear Electronic Module (REM)	Y-R	10/19:1	Auxiliary brake light	Y-R
12-13	-		-	-		-
14	4/56D:11	Central Electronic Module (CEM)	W	54/16:4	Connector	W
15	54/3.1:15	Connector	P	4/33A:4 4/70:21	Sunroof Module (SRM) Upper Electronic Module (UEM)	P
16-19	-		-	-		-
20	53/400	Branching point	BN	53/503	Branching point	BN
21	11C/7:2	Fuse in passenger compartment fuse box	R	4/33A:1	Sunroof Module (SRM)	R
22	53/405	Branching point	SB	4/33A:10	Sunroof Module (SRM)	SB

54/14

12-pin gray

No.	Passenger compartment harness			Audio 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	Branching point	GR-W	16/2B:7	Amplifier	GR-W
8	53/524	Branching point	GR	16/2B:8	Amplifier	GR
9-10	-		-	-		-
11	53/525	Branching point	GR-W	16/2B:11	Amplifier	GR-W
12	53/526	Branching point	GR	16/2B:12	Amplifier	GR

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

54/20

12-pin black

No.	Passenger compartment harness			Left rear door harness		
1	53/523	Branching point	GR-W	16/6:1	Left-hand rear door speaker	GR-W
2	53/524	Branching point	GR	16/6:2	Left-hand rear door speaker	GR
3	4/58C:3	Rear Electronic Module (REM)	P	3/76:2	Left-hand rear door lock unit	P
4	4/58C:5	Rear Electronic Module (REM)	BL	3/76:5	Left-hand rear door lock unit	BL
5	4/58A:19	Rear Electronic Module (REM)	Y	3/85:1	Power window switch, rear left door	Y
6	4/58A:2	Rear Electronic Module (REM)	BL	3/85:3	Power window switch, rear left door	BL
7	4/56D:3	Central Electronic Module (CEM)	W	10/122:2	Left-hand rear courtesy lighting, S80	W
8	4/58A:1	Rear Electronic Module (REM)	GN-BN	3/85:5	Power window switch, rear left door	GN-BN
9	4/58A:27	Rear Electronic Module (REM)	VO	3/76:8	Left-hand rear door lock unit	VO
10	4/58A:24	Rear Electronic Module (REM)	GR	3/76:6	Left-hand rear door lock unit	GR
11	4/58A:23	Rear Electronic Module (REM)	Y	3/76:4	Left-hand rear door lock unit	Y
12	53/500	Branching point	SB	3/76:1 3/85:2	Left-hand rear door lock unit Power window switch, rear left door	SB

Connectors

54/21 - 54/22:1-2

54/21

12-pin black

No.	Passenger compartment harness			Right rear door harness		
1	53/525	Branching point	GR-W	16/5:1	Right-hand rear door speaker	GR-W
2	53/526	Branching point	GR	16/5:2	Right-hand rear door speaker	GR
3	54/43:5	Connector	P	3/77:2	Right-hand rear door lock unit	P
4	54/43:11	Connector	BL	3/77:5	Right-hand rear door lock unit	BL
5	54/43:7	Connector	Y	3/86:1	Rear right door power window switch	Y
6	54/43:1	Connector	BL	3/86:3	Rear right door power window switch	BL
7	4/56D:4	Central Electronic Module (CEM)	W	10/123:2	Right rear courtesy lighting, S80	W
8	54/43:8	Connector	GN-BN	3/86:5	Rear right door power window switch	GN-BN
9	54/43:6	Connector	VO	3/77:8	Right-hand rear door lock unit	VO
10	54/43:3	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	Branching point	SB	3/77:1 3/86:2	Right-hand rear door lock unit Rear right door power window switch	SB

54/22

12-pin black

No.	Engine compartment harness			Front left lamp housing harness		
1	53/398	Branching point	VO	6/38:3 10/1A:3 10/1A:7	Left-hand headlight level adjustment motor Left front lamp housing, Bi-Xenon, S80 Front left lamp housing S60	-
2	4/56C:19	Central Electronic Module (CEM)	W	10/71:1 10/11:1 10/1A:2 10/1A:3	Side running light, front left Front left running/parking light S80 Front left lamp housing S80 Front left lamp housing S60	-
continues						

Connectors

54/22:3-12

54/22

12-pin black

No.	Engine compartment harness			Front left lamp housing harness		
3	4/56B:7	Central Electronic Module (CEM)	BL-W	10/1A:2 10/1A:2 10/1A:3	Front left lamp housing S60 Left front lamp housing, Bi-Xenon, S80 Front left lamp housing S80	
4	4/56B:8	Central Electronic Module (CEM)	BL-GN	10/1A:6	Left-hand front lamp housing	
5	4/56C:1	Central Electronic Module (CEM)	GR-W	10/1A:5	Left-hand front lamp housing	
6	4/56C:12	Central Electronic Module (CEM)	GN-R	6/38:2	Left-hand headlight level adjustment motor	-
7	4/56B:27	Central Electronic Module (CEM)	BL	10/1A:1 10/1A:1 10/1A:4	Front left lamp housing S60 Left front lamp housing, Bi-Xenon, S80 Front left lamp housing S80	-
8	-		-	-		-
9	4/56B:31	Central Electronic Module (CEM)	GN	10/11:2 10/13:1	Front left running/parking light S80 Front left direction indicator	-
10	53/301	Branching point	SB	10/1A:1 10/1A:4 10/1A:4 10/71:2 6/38:1 10/13:2 10/11:3 10/11:2	Front left lamp housing S80 Front left lamp housing S60 Left front lamp housing, Bi-Xenon, S80 Side running light, front left Left-hand headlight level adjustment motor Front left direction indicator Front left running/parking light S80 Front left running/parking light, Bi-Xenon, S80	-
11	-		-	-		-
12	-		-	-		-

Connectors

54/23

54/23

12-pin black

No.	Engine compartment harness			Front right lamp housing harness		
1	53/398	Branching point	VO	6/39:3 10/2A:3 10/2A:7	Right-hand headlight adjustment motor Right front lamp housing, Bi-Xenon, S80 Front right lamp housing S60	
2	4/56C:20	Central Electronic Module (CEM)	GR	10/73:1 10/12:1 10/2A:3 10/2A:2	Side running light, front right Front right running/parking light S80 Front right lamp housing S60 Front right lamp housing S80	-
3	4/56B:4	Central Electronic Module (CEM)	BL-Y	10/2A:2 10/2A:2 10/2A:3	Front right lamp housing S60 Right front lamp housing, Bi-Xenon, S80 Front right lamp housing S80	-
4	4/56B:9	Central Electronic Module (CEM)	BL-P	10/2A:6	Right front lamp housing, Bi-Xenon	-
5	4/56C:2	Central Electronic Module (CEM)	GN	10/2A:5	Right front lamp housing, Bi-Xenon	-
6	4/56C:11	Central Electronic Module (CEM)	GN-BN	6/39:2	Right-hand headlight adjustment motor	-
7	4/56B:28	Central Electronic Module (CEM)	W	10/2A:1 10/2A:1 10/2A:4	Front right lamp housing S60 Right front lamp housing, Bi-Xenon Front right lamp housing S80	-
8	-		-	-		-
9	4/56B:32	Central Electronic Module (CEM)	GN-W	10/12:2 10/14:1	Front right running/parking light S80 Front right direction indicator	-
10	53/303	Branching point	SB	10/12:3 10/14:2 10/12:2 10/73:2 6/39:1 10/2A:1 10/2A:4 10/2A:4	Front right running/parking light S80 Front right direction indicator Front right running/parking light, Bi-Xenon, S80 Side running light, front right Right-hand headlight adjustment motor Front right lamp housing S80 Front right lamp housing S60 Right front lamp housing, Bi-Xenon, S80	-
11	-		-	-		-
12	-		-	-		-

Connectors

54/24

54/24

20-pin black

No.	Passenger compartment harness			Harness, front left seat		
1	53/500	Branching point	SB	9/12A:1	Seat Heating Module (SHM), driver's side	-
2	4/56A:19	Central Electronic Module (CEM)	BL	9/12A:4	Seat Heating Module (SHM), driver's side	-
3	-		-	-		-
4	54/132:2	Connector	GN-W	9/12A:2	Seat Heating Module (SHM), driver's side	-
5-6	-		-	-		-
7	4/9A:4/4	Supplemental Restraint System (SRS)	OR	8/51:1	Front left side airbag igniter	BL
8	4/9A:3/3	Supplemental Restraint System (SRS)	BL-OR	8/51:2	Front left side airbag igniter	BN
9	16/60:5	Phone Module (PHM)	GR-R	16/78:1	Speaker, mobile telephone	GR
10	16/60:4	Phone Module (PHM)	GR	16/78:2	Speaker, mobile telephone	W
11	4/56D:51	Central Electronic Module (CEM)	GN	4/52B:3	Power Seat Module (PSM)	GN
12	4/56D:36	Central Electronic Module (CEM)	W	4/52B:2	Power Seat Module (PSM)	W
13	53/500	Branching point	SB	8/51	Front left side airbag igniter	SB
14	4/56A:22	Fuse in CEM, passenger compartment	VO	3/27:3	Switch unit, power passenger seat	GN-R
	53/437	Branching point	VO-W	4/52B:1	Power Seat Module (PSM)	
15	11C/1:2	Fuse in fuse box LHD	R	4/52A: 1	Power Seat Module (PSM)	BL-R
	11C/2:2	Fuse in fuse box LHD		3/27:1	Switch unit, power passenger seat	
16	53/500	Branching point, RHD	SB	3/27:2	Switch unit, power passenger seat	SB
	53/501	Branching point, LHD		4/52A:2	Power Seat Module (PSM)	
				4/52B:4	Power Seat Module (PSM)	
17	4/9A:25/25	Supplemental Restraint System (SRS)	VO	3/93:1	Switch, left-hand seat belt buckle	-
18	4/9A:26/26	Supplemental Restraint System (SRS)	OR-SB	3/93:2	Switch, right-hand seat belt buckle	-
19-20	-		-	-		-

Connectors

54/25

54/25

20-pin black

No.	Passenger compartment harness			Harness, front right seat		
1	53/501	Branching point	SB	9/13A:1	Seat Heating Module (SHM), passenger side	-
2	4/56A:18	Central Electronic Module (CEM)	BL	9/13A:4	Seat Heating Module (SHM), passenger side	-
3	-		-	-		-
4	54/132:5	Connector	GN-W	9/13A:2	Seat Heating Module (SHM), passenger side	-
5-6	-		-	-		-
7	4/9C:4/60	Supplemental Restraint System (SRS)	OR	8/52:1	Front side airbag igniter	BL
8	4/9C:3/59	Supplemental Restraint System (SRS)	BL-OR	8/52:2	Front right side airbag igniter	BN
9	16/60:5	Phone Module (PHM)	GR-R	16/78:1	Speaker, mobile telephone	GR
10	16/60:4	Phone Module (PHM)	GR	16/78:2	Speaker, mobile telephone	W
11	4/56D:51	Central Electronic Module (CEM)	GN	4/52B:3	Power Seat Module (PSM)	GN
12	4/56D:36	Central Electronic Module (CEM)	W	4/52B:2	Power Seat Module (PSM)	W
13	53/501	Branching point	SB	8/52	Front right side airbag igniter	SB
14	4/56A:22 53/437	Central Electronic Module (CEM) Branching point	VO VO-W	3/27:3 4/52B:1	Switch unit, power passenger seat Power Seat Module (PSM)	GN-R
15	11C/1:2 11C/2:2	Fuse in fuse box LHD Fuse in fuse box LHD	R	4/52A:1 3/27:1	Power Seat Module (PSM) Switch unit, power passenger seat	BL-R
16	53/500 53/501	Branching point, LHD Branching point, RHD	SB	3/27:2 4/52A:2 4/52A:4	Switch unit, power passenger seat Power Seat Module (PSM) Power Seat Module (PSM)	SB
17	4/9C:25/81	Supplemental Restraint System (SRS)	VO	3/94:1	Switch, right-hand seat belt buckle	-
18	4/9C:26/82	Supplemental Restraint System (SRS)	OR-SB	3/94:2	Switch, right-hand seat belt buckle	-
19	-		-	-		-
20	-		-	-		-

Connectors

54/32 - 54/35

54/32

3-pin light gray

No.	Cargo compartment harness			Harness, rear left angle sensor		
1	4/58C:11	Rear Electronic Module (REM)	GN-R	7/120:5	Rear left angle sensor	BL-R
2	4/58C:6	Rear Electronic Module (REM)	GR	7/120:4	Rear left angle sensor	GR-W
3	4/58C:9	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	54/3.2:1	Connector	GN-GR	6/67:4	Pump, fuel leakage control	GN-GR
2	54/3.2:2	Connector	GN-R	6/67:2	Pump, fuel leakage control	GN-R
3	54/3.2:3	Connector	GN	6/67:3	Pump, fuel leakage control	GN
4	54/3.2:4	Connector	BL-SB	6/67:1	Pump, fuel leakage control	BL-SB

54/35

4-pin gray

No.	Cargo compartment harness			Heated fuel filter harness		
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	4/58B:15	Rear Electronic Module (REM)	BL	8/85:1	Thermostatic switch and fuel filter heating	BL
4	53/604	Branching point	SB	8/85:2	Thermostatic switch and fuel filter heating	SB

Connectors

54/36 - 54/40D

54/36

6-pin gray

No.	Passenger compartment harness			Fuel tank harness		
1	4/56D:44	Central Electronic Module (CEM)	BL	6/33:4 6/33:A 6/33:P	Fuel pump Fuel pump Fuel pump	BL
2	4/56D:45	Central Electronic Module (CEM)	BN	6/33 6/33:3 6/33:B	Fuel pump Fuel pump Fuel pump	BN
3	4/56D:43	Central Electronic Module (CEM)	GN	6/33:2 6/33:E	Fuel pump Fuel pump	-
4	31/48	Ground connection	SB	6/33 53/579 4/83:3	Fuel pump Branching point Fuel pump control module	SB
5	4/56A:16	Central Electronic Module (CEM)	BL	6/33 53/578 4/83:2	Fuel pump Branching point Fuel pump control module	BL
6	54/3.1:8	Connector	Y	4/83:1	Fuel pump control module	Y

54/40C

2-pin black

No.	Cargo compartment harness			Passenger compartment harness		
1	11E/6	Fuse in cargo compartment at battery	R	53/415	Branching point	R
2	11E/7	Fuse in cargo compartment at battery	R	53/403	Branching point	R

54/40D

2-pin black

No.	Cargo compartment harness			Passenger compartment harness		
1	11E/4	Fuse in cargo compartment at battery	R	4/56E:B	Central Electronic Module (CEM)	R
2	11E/5	Fuse in cargo compartment at battery	R	4/56E:A	Central Electronic Module (CEM)	R

Connectors

54/43 - 54/54

54/43

14-pin gray

No.	Passenger compartment harness			Cargo compartment harness		
1	54/21:6	Connector	BL	4/58B:2	Rear Electronic Module (REM)	BL
2	54/21:11	Connector	Y	6/37:2	Lock motor, fuel filler cover	Y
3	54/21:10	Connector	GR	4/58B:12	Rear Electronic Module (REM)	GR
4	54/11:8	Connector	P	4/58D:29	Rear Electronic Module (REM)	P
5	54/21:3	Connector	P	4/58D:33	Rear Electronic Module (REM)	P
6	54/21:9	Connector	VO	4/58B:24	Rear Electronic Module (REM)	VO
7	54/21: 5	Connector	Y	4/58B:30	Rear Electronic Module (REM)	Y
8	54/21:8	Connector	GN-BN	4/58B:1	Rear Electronic Module (REM)	GN-BN
9-10	-		-	-		-
11	54/21:4	Connector	BL	4/58D:28	Rear Electronic Module (REM)	BL
12-- 14	-		-	-		-

54/53

4-pin gray

No.	Engine harness, 5-cyl. T and 6-cyl.			Knock sensor harness		
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 gray

No.	Cargo compartment harness			Fuel tank harness, Bi-Fuel		
1	4/58D:14	Rear Electronic Module (REM)	GR-R	7/156:1	Pressure and temperature sensor	GR-R
2	4/58D:15	Rear Electronic Module (REM)	VO	7/156:2	Pressure and temperature sensor	VO
3	4/58D:27	Rear Electronic Module (REM)	Y	7/156:3	Pressure and temperature sensor	Y
4	4/58D:8	Rear Electronic Module (REM)	Y-GR	7/156:4	Pressure and temperature sensor	Y-GR
5	-		-	-		-
6	-		-	-		-
7	54/106:1	Connector	Y-R	8/88:1	Rear solenoid, fuel tank, Bi-Fuel	Y-R
8	53/604	Branching point	SB	8/88:2	Rear solenoid, fuel tank, Bi-Fuel	SB

Connectors

54/55 - 54/57.1

54/55

3-pin black, RHD

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 black, RHD

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

54/57.1

8-pin gray, I5D

No.	Automatic transmission harness			Engine compartment harness		
1	4/28A:1	Transmission Control Module (TCM)	R	11B/8:2	Fuses in engine compartment fuse box	R
2	-		-	-		-
3	4/28A:7	Transmission Control Module (TCM)	GN-W	54/3.1:5	Connector	GN-W
4	4/28A:11	Transmission Control Module (TCM)	BL-R	4/56C:13	Central Electronic Module (CEM)	BL-R
5	4/28A:5	Transmission Control Module (TCM)	Y	4/56B:34	Central Electronic Module (CEM)	Y
6	4/28A:6	Transmission Control Module (TCM)	GN	53/353	Branching point	GN
7	4/28A:14	Transmission Control Module (TCM)	W	53/352	Branching point	W
8	4/28A:9	Transmission Control Module (TCM)	SB	53/329	Branching point	SB

Connectors

54/74 - 54/106

54/74

4-pin yellow

No.	Passenger compartment harness			Harness, Differential Electronic Module (DEM)		
1	53/568 4/56D:47	Branching point Central Electronic Module (CEM)	GN	53/513 54/74:2	Branching point Connector	GN
2	54/3.1:12	Connector	GN	53/513 54/74:1	Branching point Connector	GN
3	53/567 4/56D:32	Branching point Central Electronic Module (CEM)	W	53/512 54/74:4	Branching point Connector	W
4	54/3.1:11	Connector	W	53/512 54/74:3	Branching point Connector	W

54/74B

2-pin orange

No.	Harness, Differential Electronic Module (DEM)			Passenger compartment harness		
1	53/502	Branching point	BL-R	4/58A:14	Rear Electronic Module (REM)	BL
2	53/535 53/582	Branching point Branching point	BN SB	31/46	Ground connection	SB

54/100

2-pin black

No.	Engine harness, I5D			Impulse sensor harness		
1	4/46A:77	Engine Control Module (ECM)	GR-R	7/25:1	Impulse sensor	GR-R
2	4/46A:53	Engine Control Module (ECM)	GR	7/25:2	Impulse sensor	GR

54/106

4-pin gray

No.	Cargo compartment harness			Front fuel tank harness, Bi-Fuel		
1	4/58B:25 54/54:7	Rear Electronic Module (REM) Connector	Y-R	8/89:1 8/90: 1	Front left solenoid, fuel tank Front right solenoid, fuel tank	Y-R
2	53/604	Branching point	SB	8/89:2 8/90:2	Front left solenoid, fuel tank Front right solenoid, fuel tank	SB
3	-	-	-	-	-	-
4	-	-	-	-	-	-

Connectors

54/107 - 54/132

54/107

10-pin gray

No.	Passenger compartment harness			Rear Four-C harness		
1	4/84A:5	Suspension Module (SUM)	GN-GR	8/23:1	Shock absorber, Four-C, rear right	GN-GR
2	4/84A:4	Suspension Module (SUM)	W	8/23:2	Shock absorber, Four-C, rear right	W
3	4/84A:23	Suspension Module (SUM)	GR	7/120:1 7/121:1	Rear left angle sensor, Four-C/Bi-Xenon Rear right angle sensor, Four-C/Bi-Xenon	GR
4	4/84A:14	Suspension Module (SUM)	Y	7/121:4	Rear right angle sensor, Four-C/Bi-Xenon	Y
5	53/569	Branching point	R	7/121:5	Rear right angle sensor, Four-C/Bi-Xenon	P
6	4/84A:25	Suspension Module (SUM)	R-W	7/120:5	Angle sensor, Four-C/Bi-Xenon	R-W
7	4/84A:28	Suspension Module (SUM)	Y-R	7/120:4	Rear left angle sensor, Four-C/Bi-Xenon	Y-R
8	4/84A:2	Suspension Module (SUM)	GN-GR	8/22:1	Shock absorber, Four-C, rear left	GN-GR
9	4/84A:1	Suspension Module (SUM)	BL	8/22:2	Shock absorber, Four-C, rear left	BL
10	-		-	-		-

54/132

6-pin gray

No.	Passenger compartment harness			Climate control system harness		
1	53/437	Branching point	VO-W	53/458	Branching point	R
2	3/112A:12 54/24:4	Climate Control Module (CCM) Connector	GN-W	53/461	Branching point	GN-Y
3	3/112A:5	Climate Control Module (CCM)	VO	7/41:4	Temperature sensor, evaporator	VO
4	3/112A:13	Climate Control Module (CCM)	BN	7/41:3	Temperature sensor, evaporator	BN
5	3/112A:7 54/25:4	Climate Control Module (CCM) Connector	GN-W GN-W	53/460 6/96:2	Branching point Damper Motor Module (DMM), right-hand side, RHD	Y
6	53/438	Branching point	BN	53/459	Branching point	BL

Connectors

54/1300 - 54/1400

54/1300

6-pin gray

No.	PAM harness, engine compartment			PAM harness, bumper		
1	54/1400:1	Connector	BL	7/204:1	Parking assistance sensor, front 5	BL
				7/205:1	Parking assistance sensor, front 6	
				7/206:1	Parking assistance sensor, front 7	
				7/207:1	Parking assistance sensor, front 8	
2	54/1400:2	Connector	GN	7/207:2	Parking assistance sensor, front 8	GN
3	54/1400:3	Connector	VO	7/206:2	Parking assistance sensor, front 7	VO
4	54/1400:4	Connector	Y	7/205:2	Parking assistance sensor, front 6	Y
5	54/1400:5	Connector	W	7/204:2	Parking assistance sensor, front 5	W
6	54/1400:6	Connector	SB	7/204:3	Parking assistance sensor, front 5	SB
				7/205:3	Parking assistance sensor, front 6	
				7/206:3	Parking assistance sensor, front 7	
				7/207:3	Parking assistance sensor, front 8	

54/1400

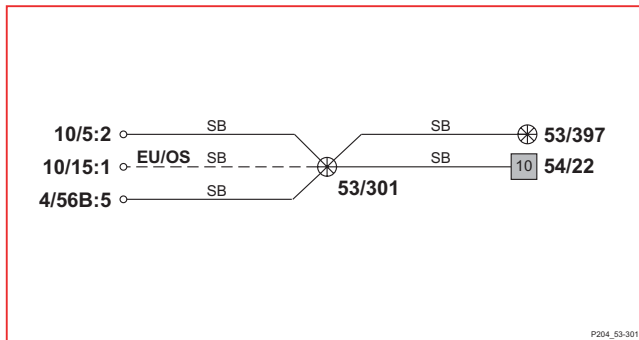
6-pin gray

No.	PAM harness, passenger compartment			PAM harness, engine compartment		
1	4/86B:2	Parking Assistance Module (PAM)	BL	54/1300:1	Connector	BL
2	4/86B:8	Parking Assistance Module (PAM)	GN	54/1300:2	Connector	GN
3	4/86B:7	Parking Assistance Module (PAM)	VO	54/1300:3	Connector	VO
4	4/86B:6	Parking Assistance Module (PAM)	Y	54/1300:4	Connector	Y
5	4/86B:5	Parking Assistance Module (PAM)	W	54/1300:5	Connector	W
6	4/86B:1	Parking Assistance Module (PAM)	SB	54/1300:6	Connector	SB

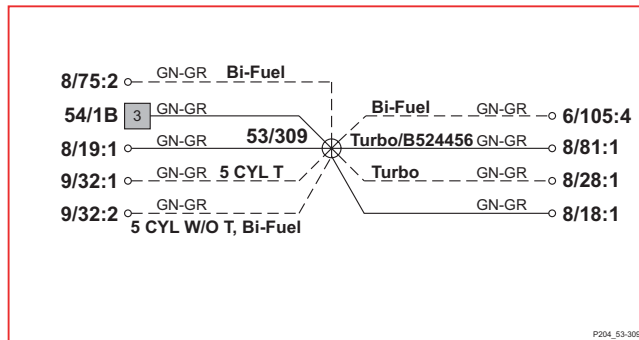
Branching points

53/301 - 53/323

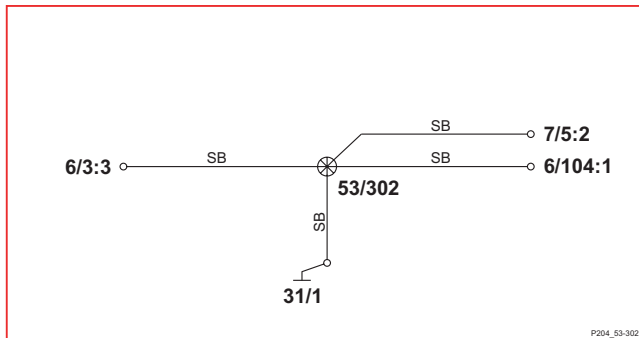
53/301



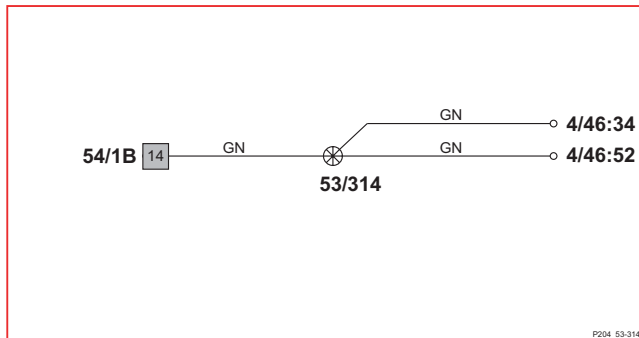
53/309



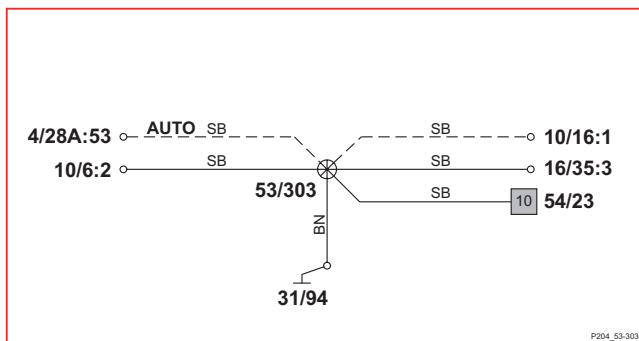
53/302



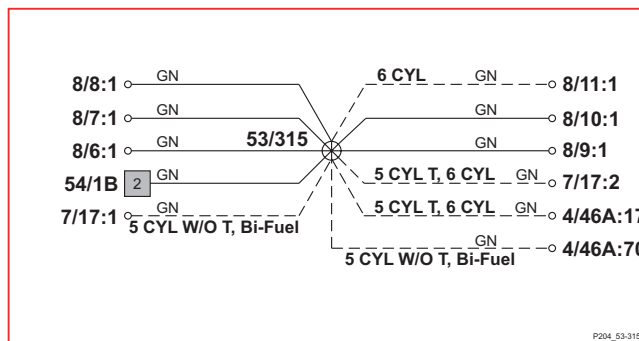
53/314 5-cyl. not turbo



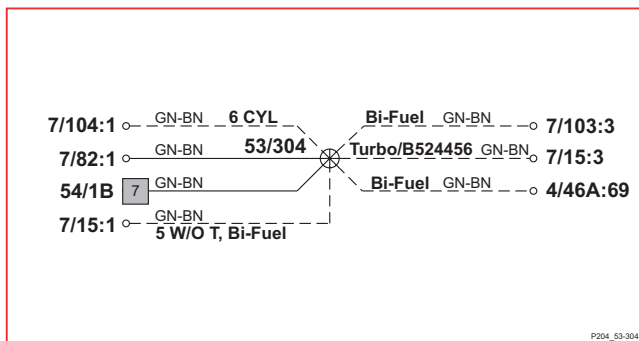
53 /303



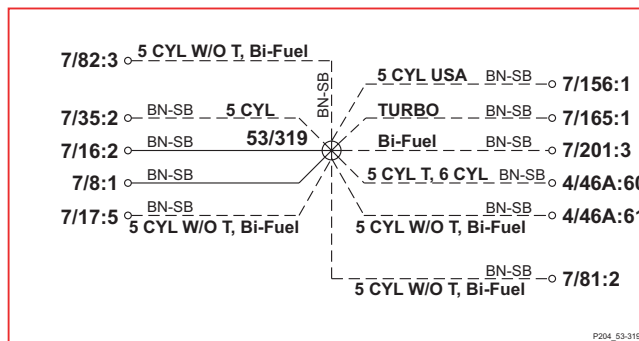
53/315



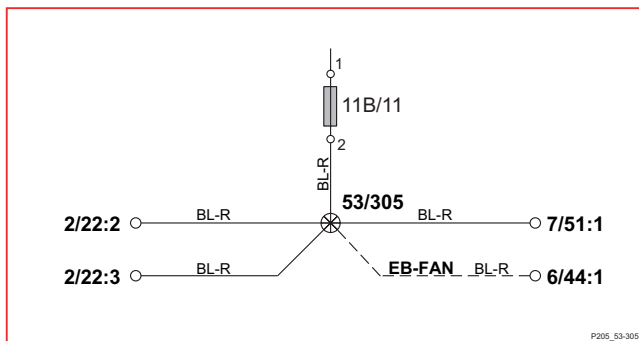
53/304



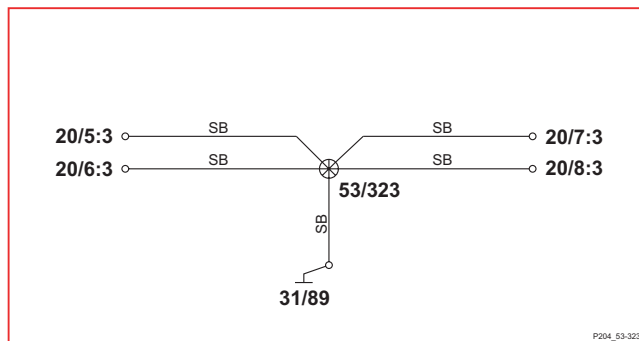
53/319



53/305



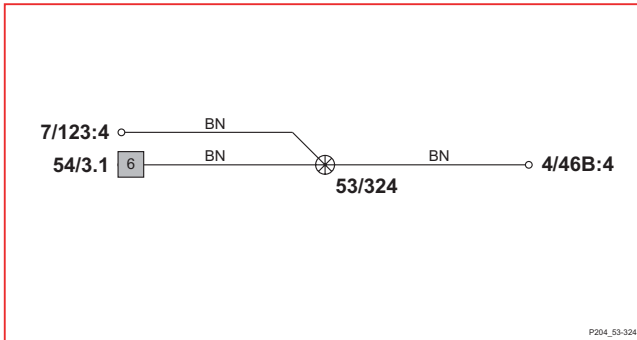
53/323 6-cyl.



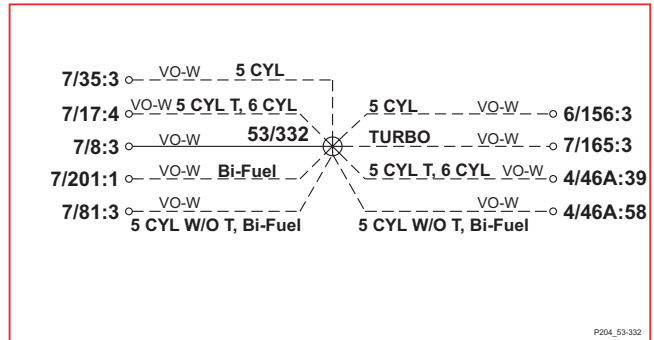
Branching points

53/324 - 53/354

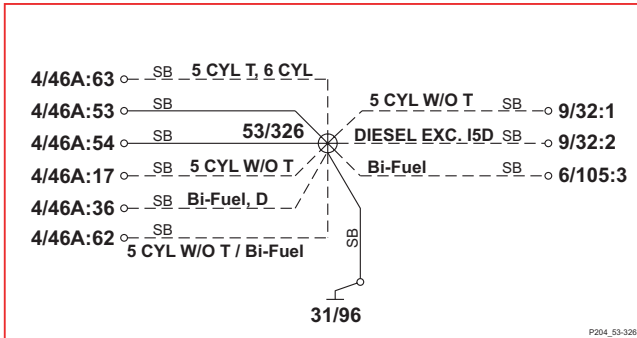
53/324



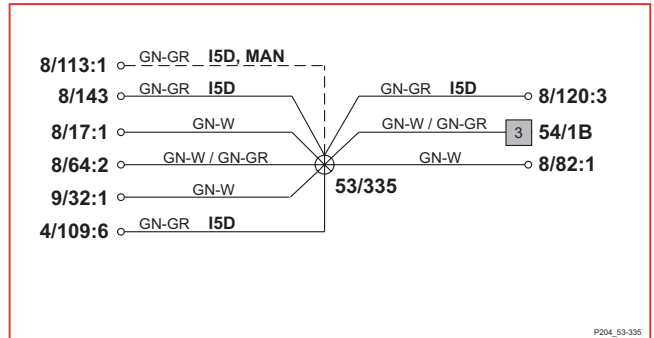
53/332



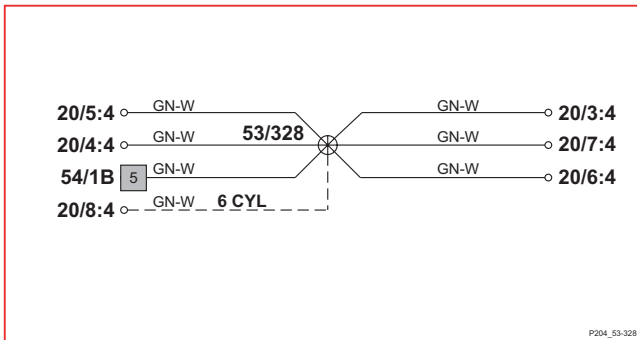
53/326



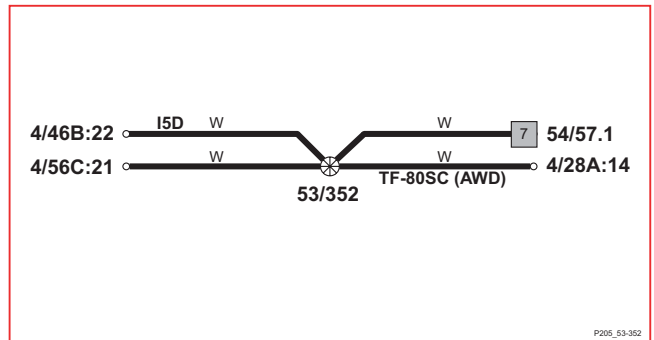
53/335 Diesel



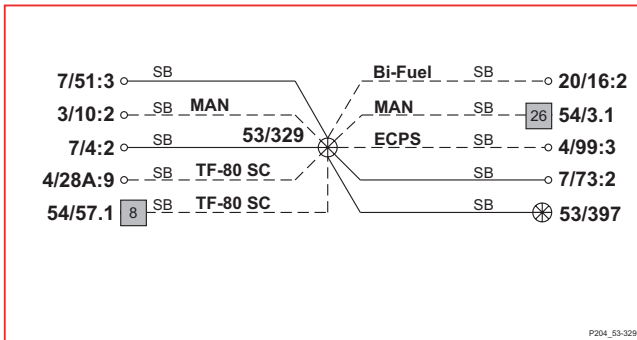
53/328



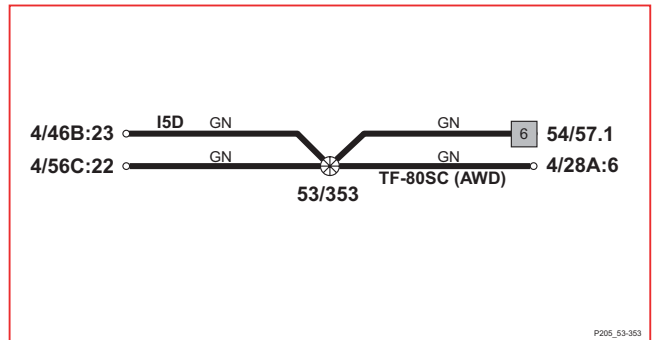
53/352



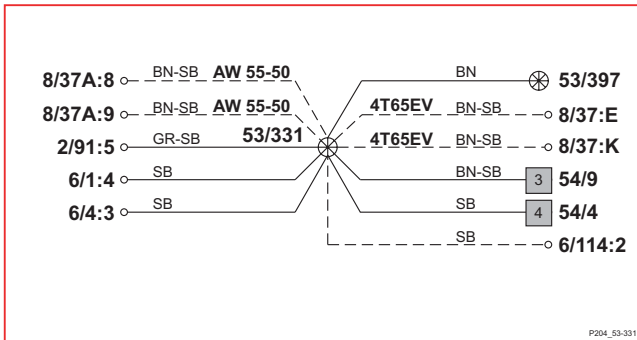
53/329



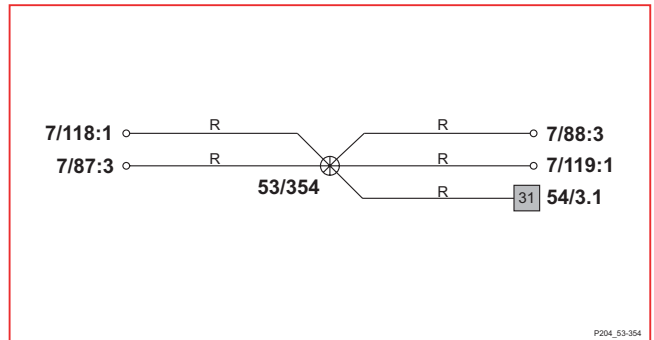
53/353



53/331

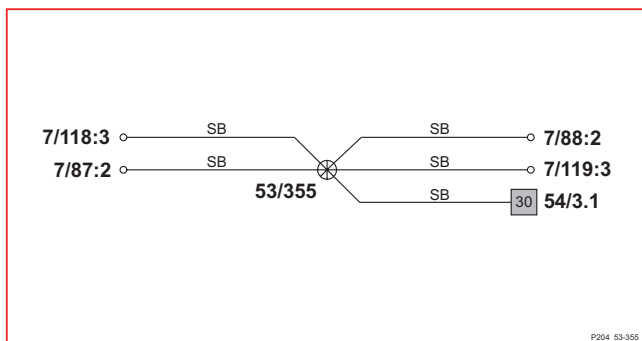


53/354 SUM

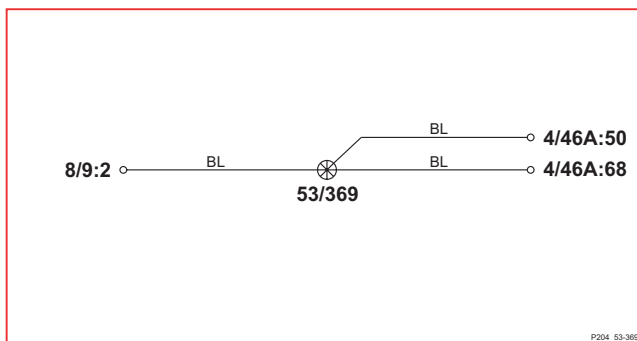


Branching points 53/355 - 53/373

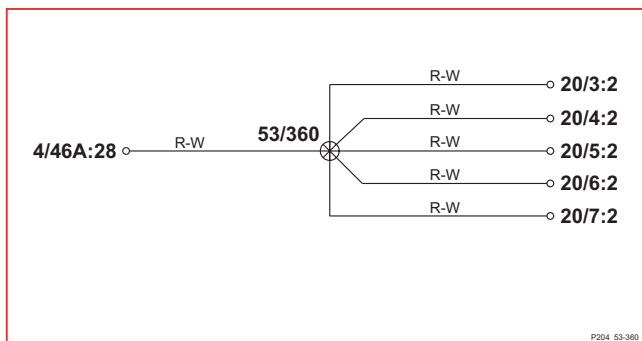
53/355 SUM



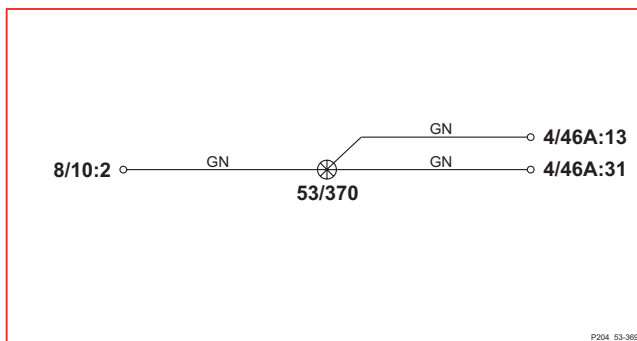
53/369 cyl. 4 Diesel



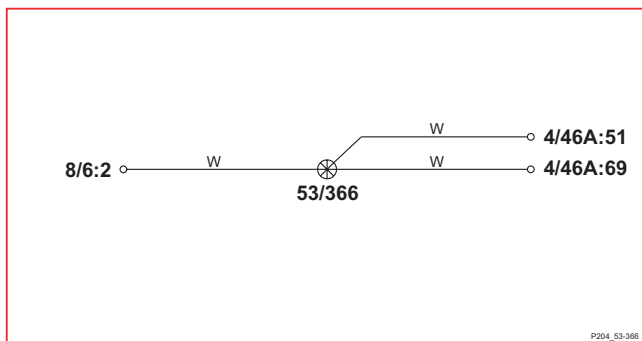
53/360 5-cyl. not turbo



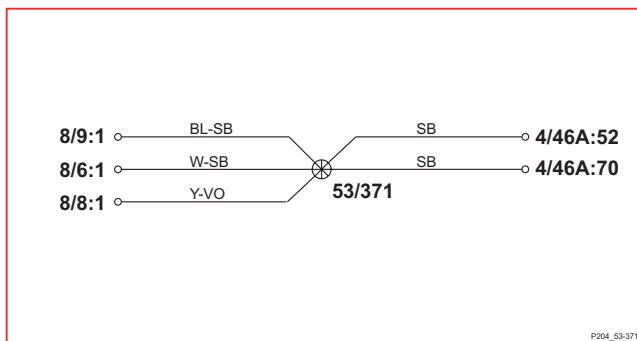
53/370 cyl. 5 Diesel



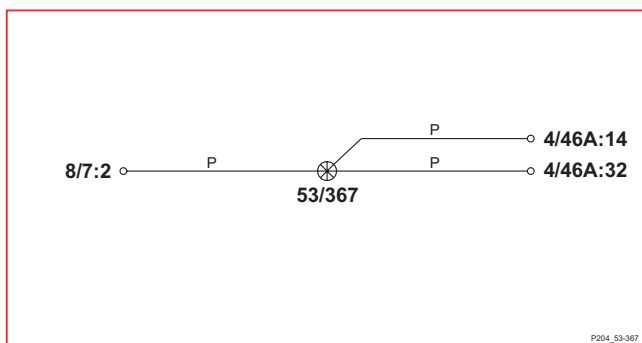
53/366 cyl. 1 Diesel



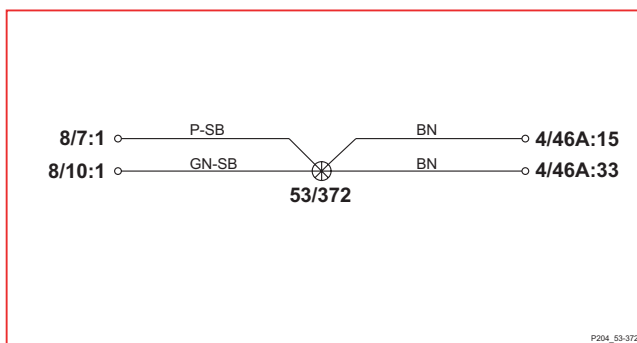
53/371 Diesel



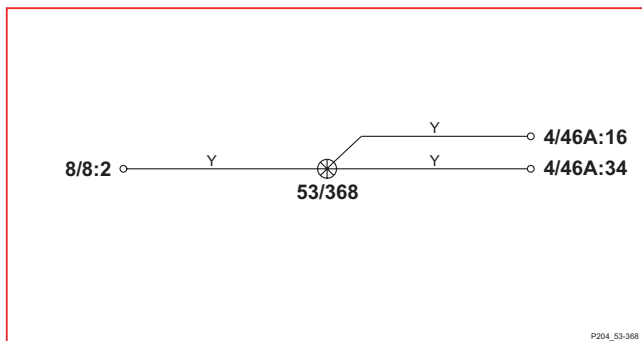
53/367 cyl. 2 Diesel



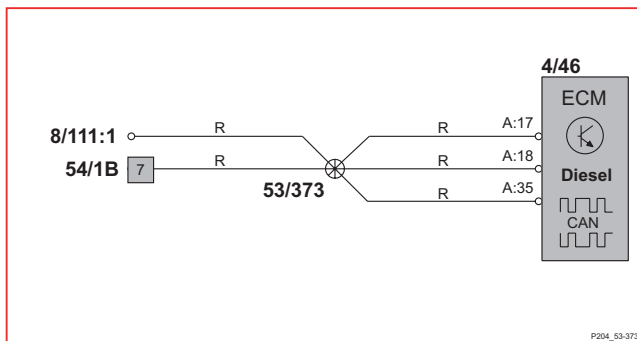
53/372 Diesel



53/368 cyl. 3 Diesel

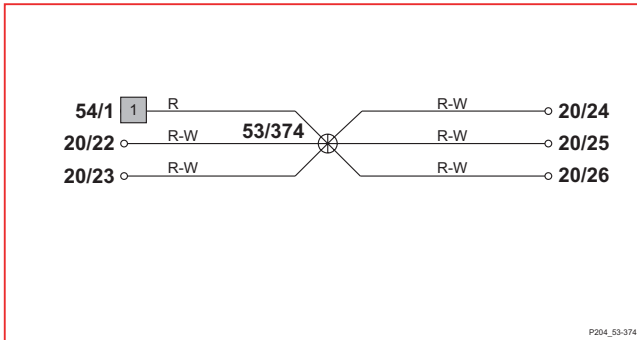


53/373 Diesel not I5D

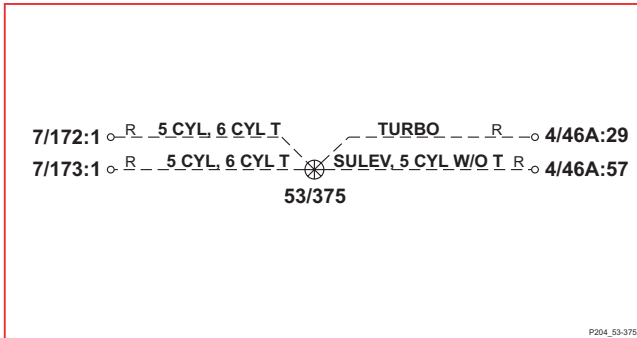


Branching points 53/374 - 53/398

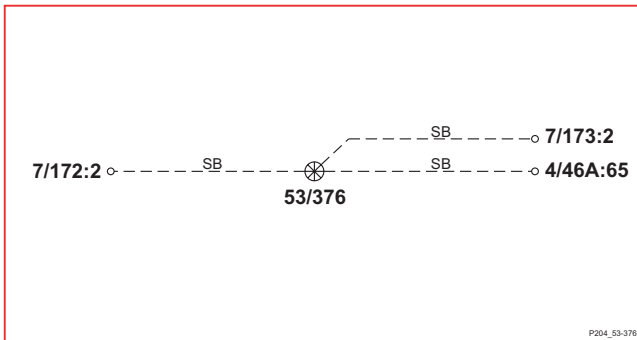
53/374 Diesel



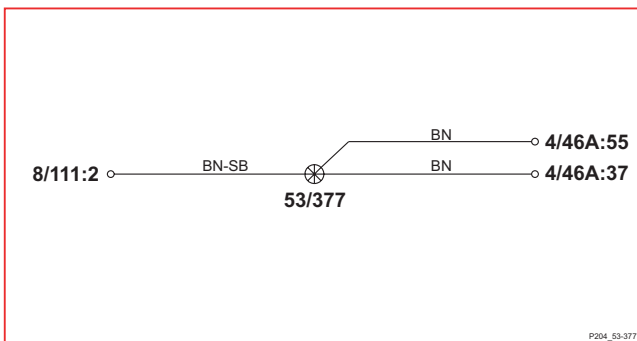
53/375



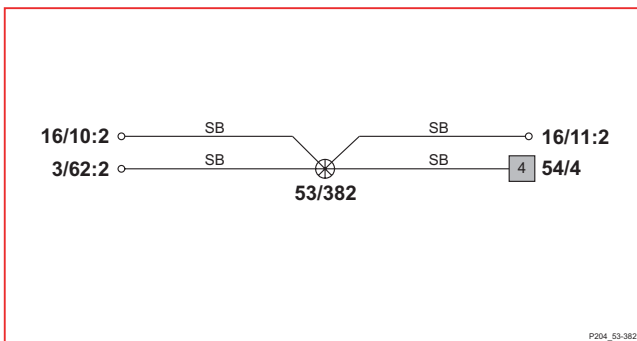
53/376



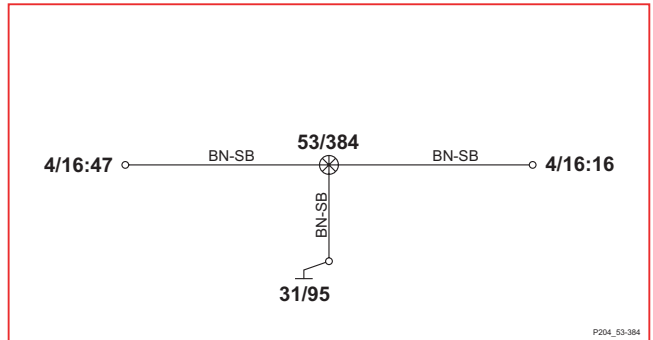
53/377 Diesel not I5D



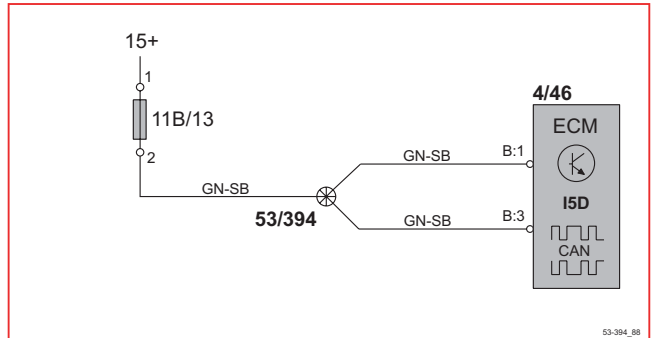
53/382



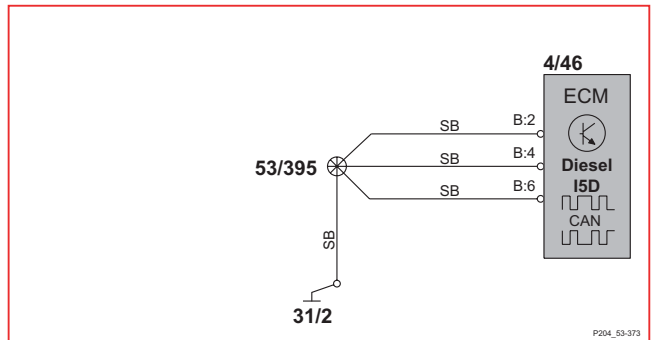
53/384



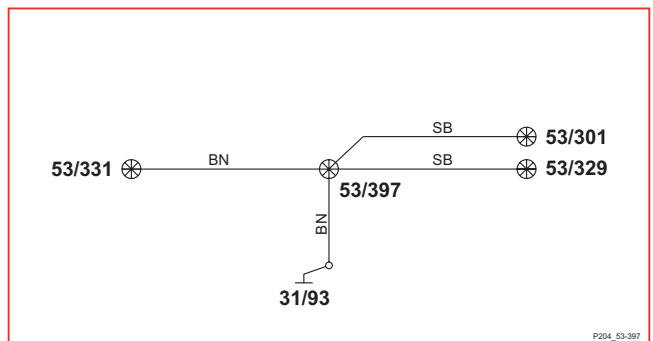
53/394



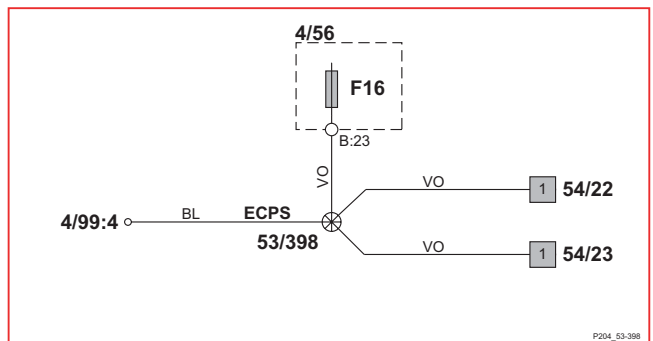
53/395



53/397

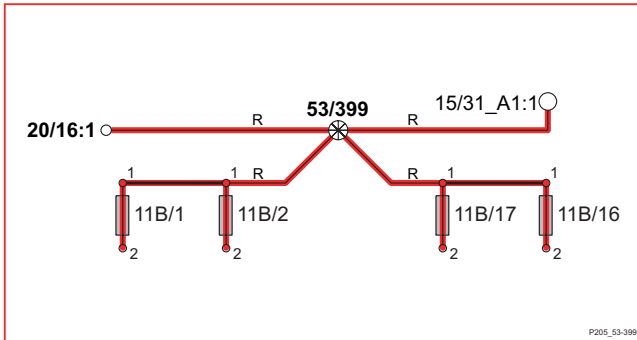


53/398

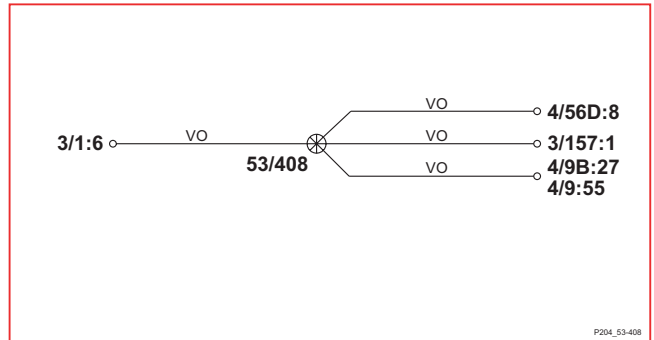


Branching points 53/399 - 53/430

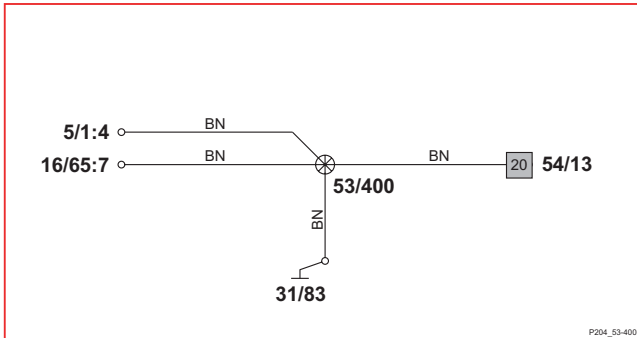
53/399 Bi-Fuel



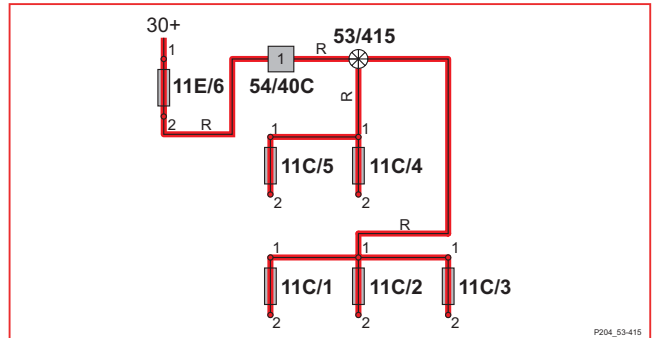
53/408



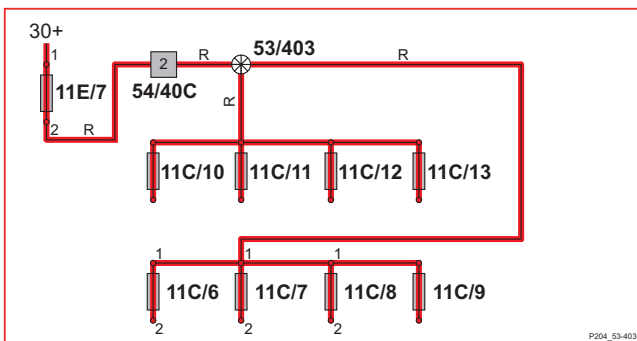
53/400



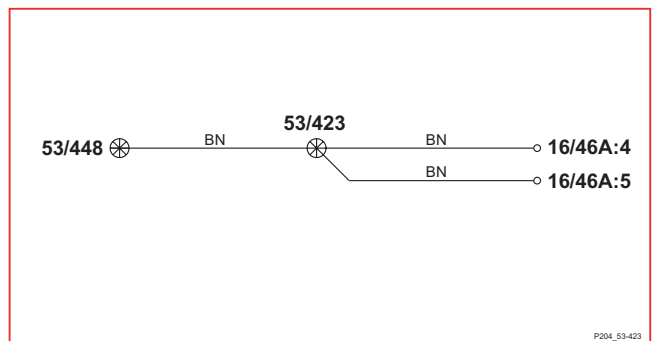
53/415



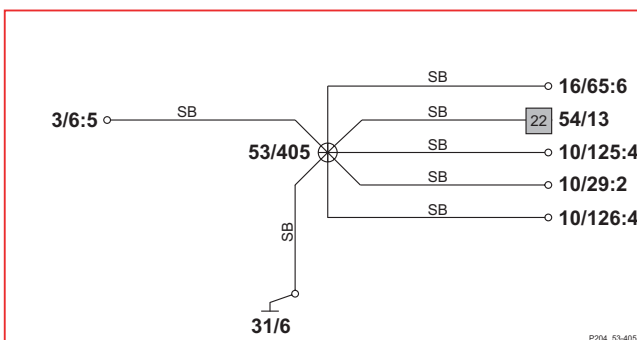
53/403



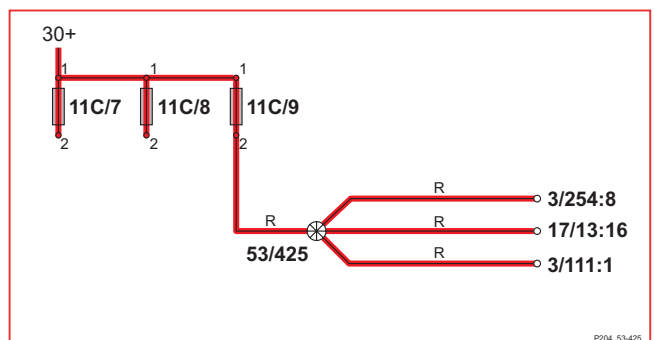
53/423 RTI



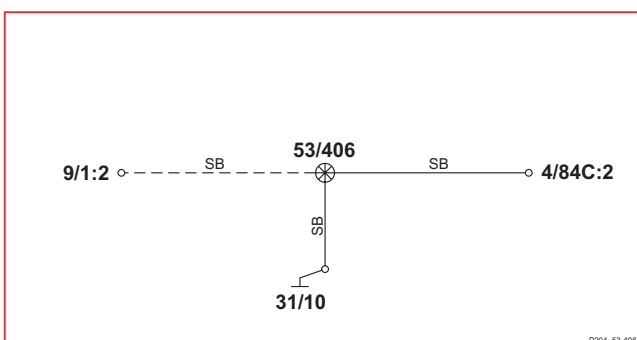
53/405



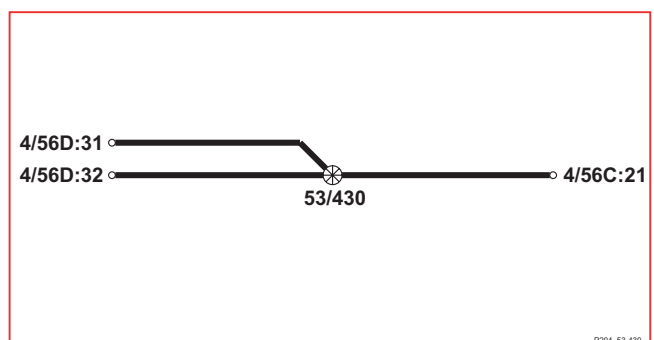
53/425



53/406 SUM

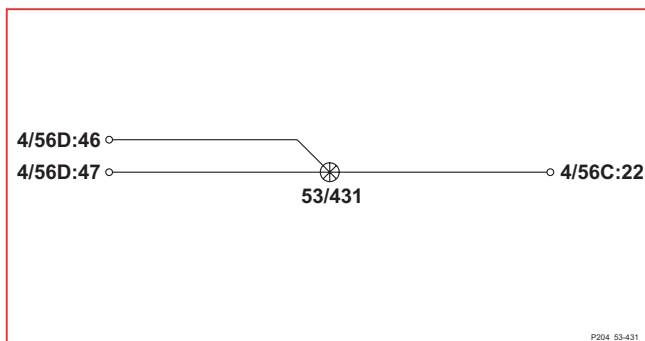


53/430

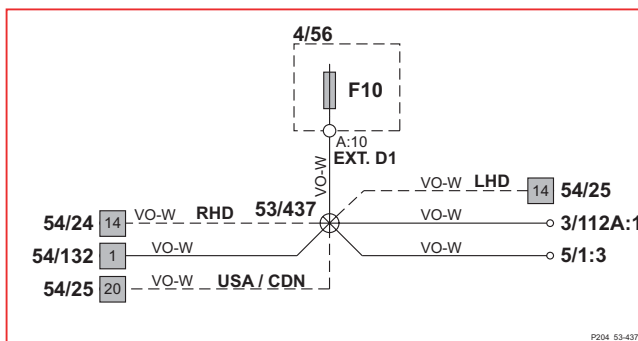


Branching points 53/431 - 53/458

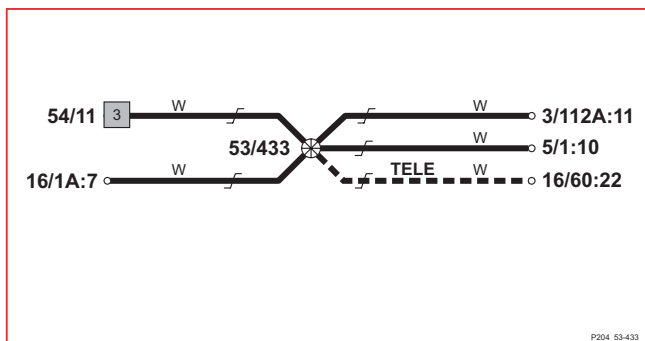
53/431



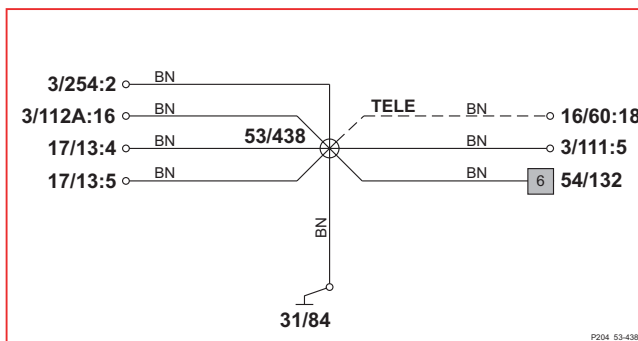
53/437



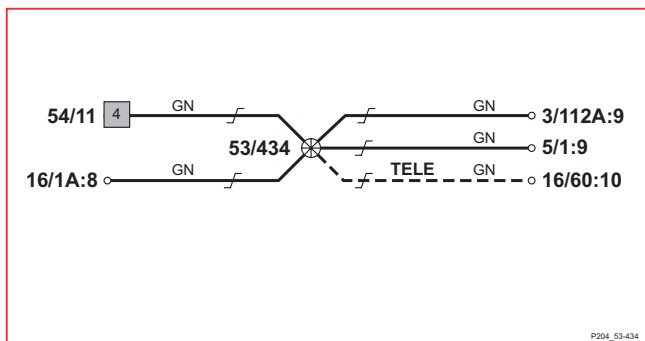
53/433



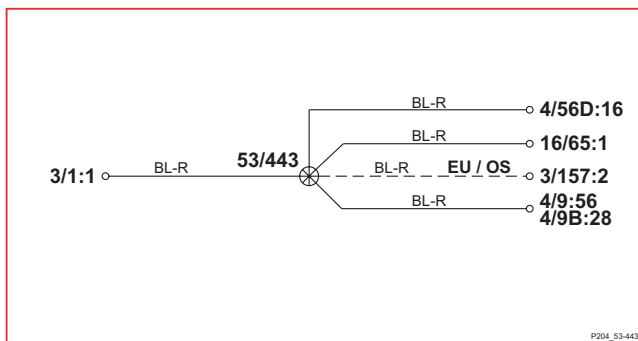
53/438



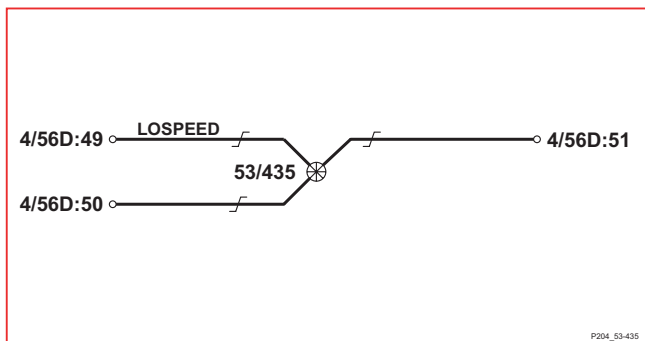
53/434



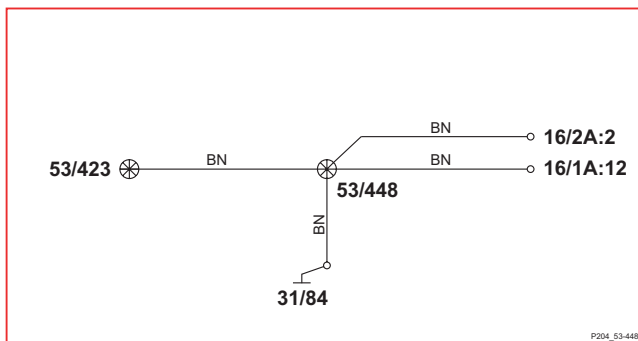
53/443



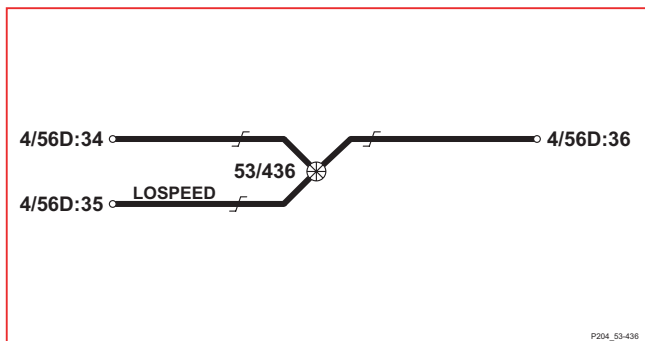
53/435



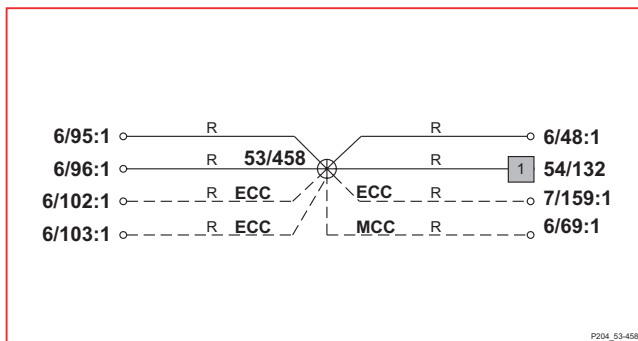
53/448



53/436

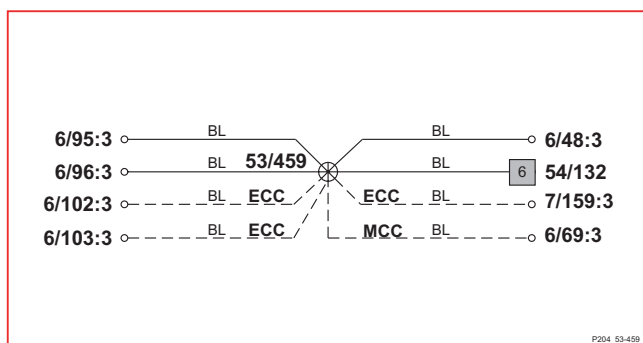


53/458

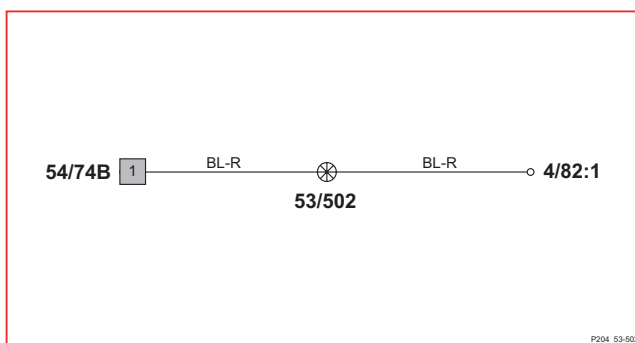


Branching points 53/459 - 53/513

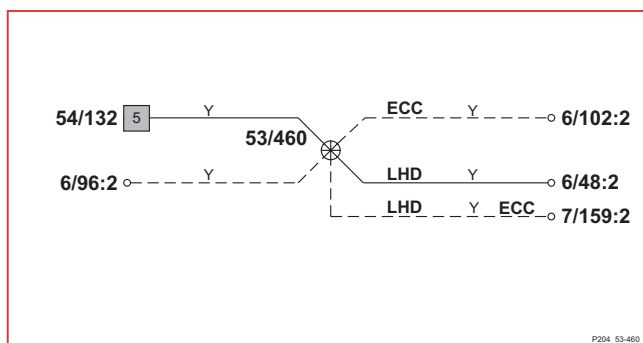
53/459



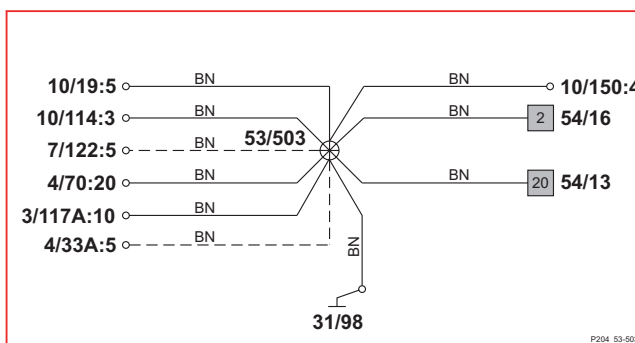
53/502 AWD



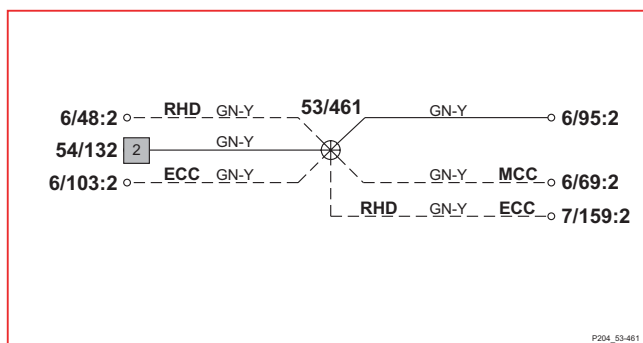
53/460



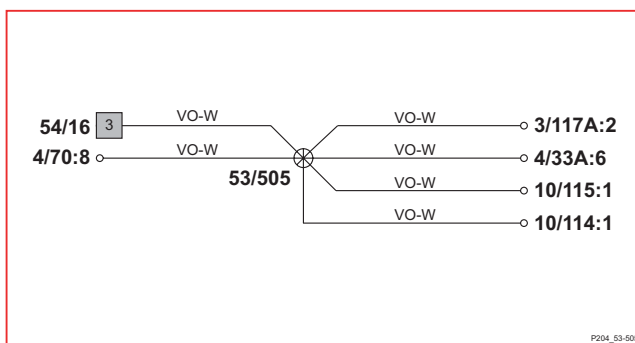
53/503



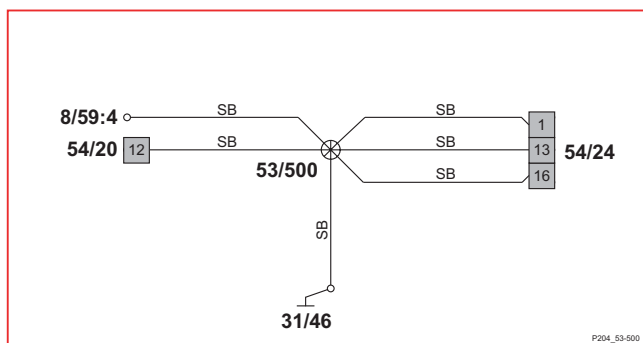
53/461



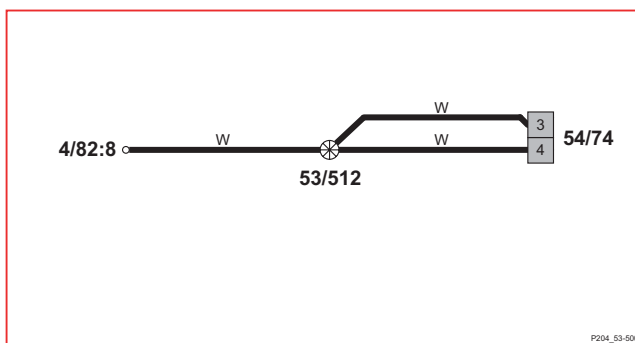
53/505



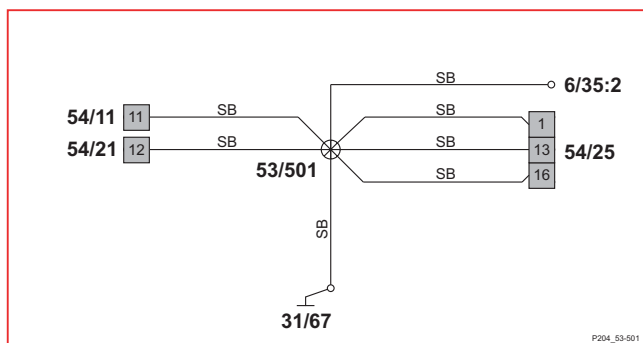
53/500



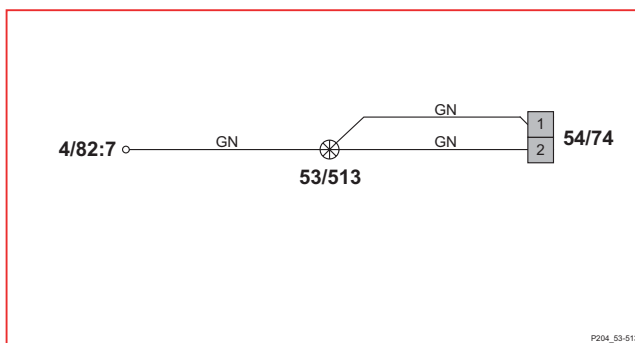
53/512 AWD



53/501



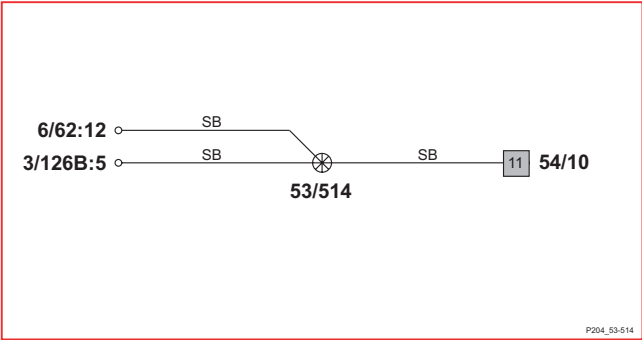
53/513 AWD



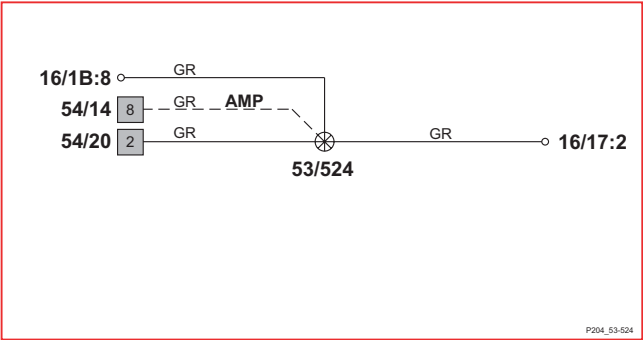
Branching points

53/514 - 53/535

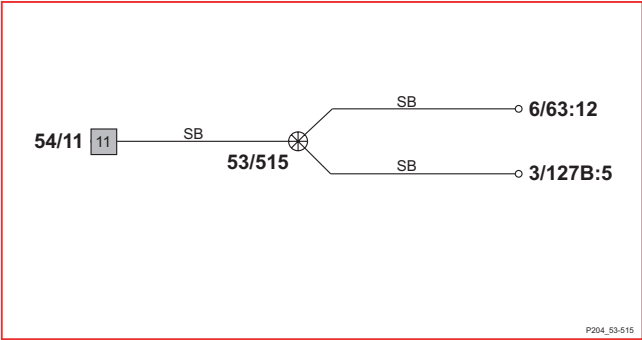
53/514



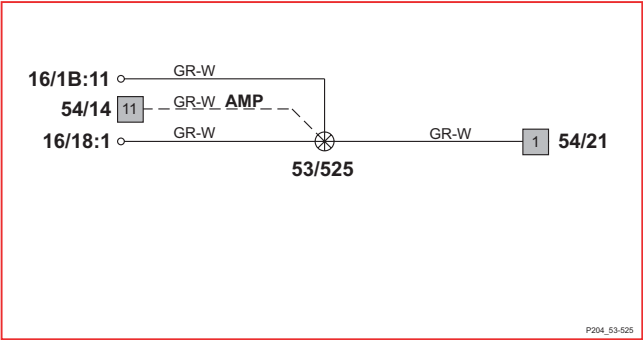
53/524



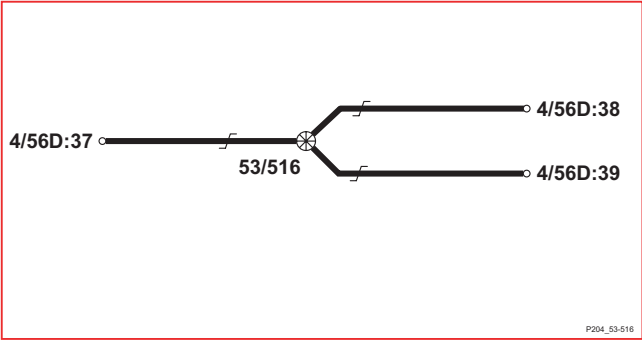
53/515



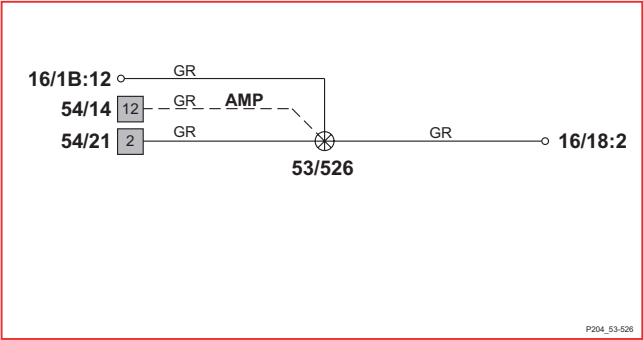
53/525



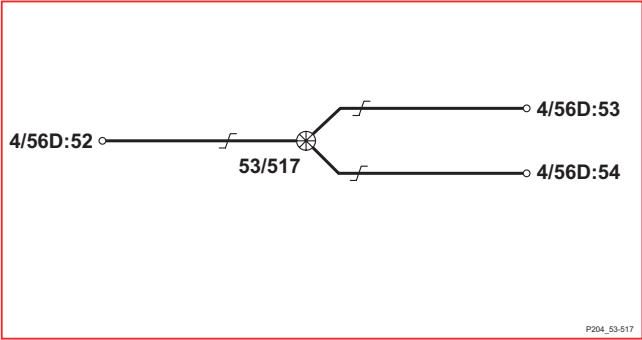
53/516



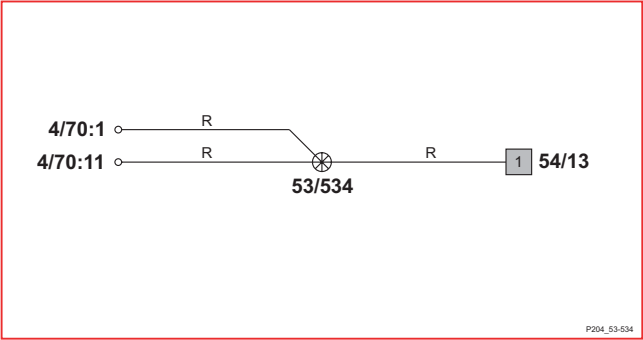
53/526



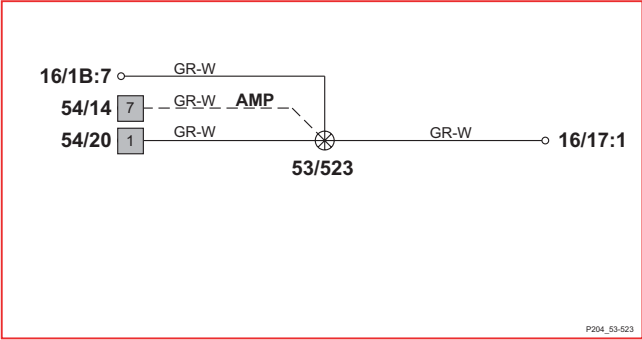
53/517



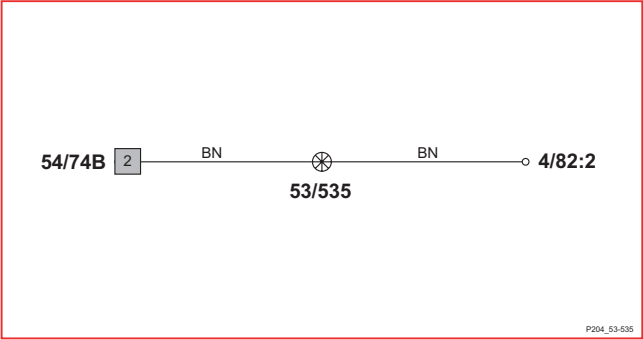
53/534



53/523

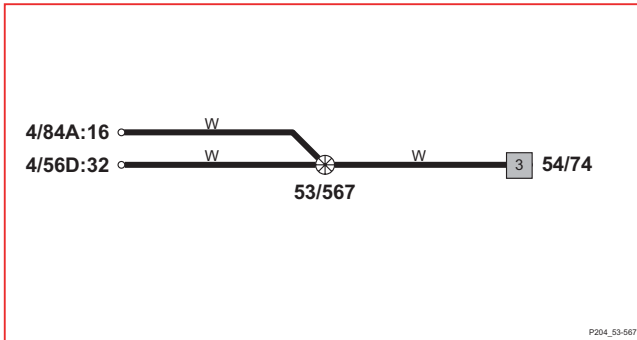


53/535 AWD

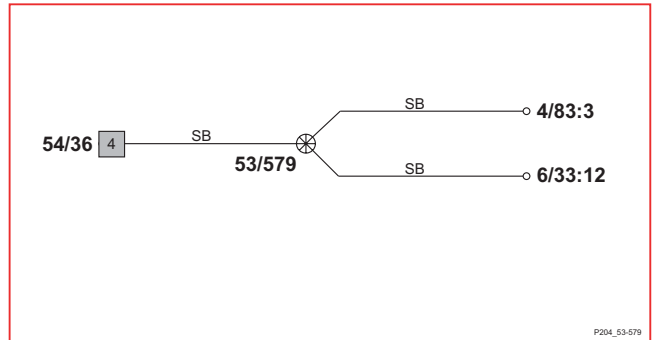


Branching points 53/567 - 53/604

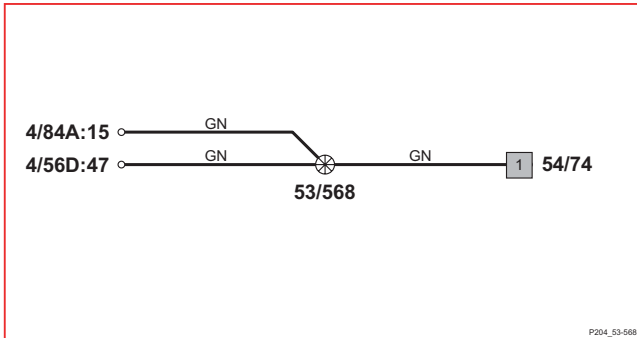
53/567 SUM



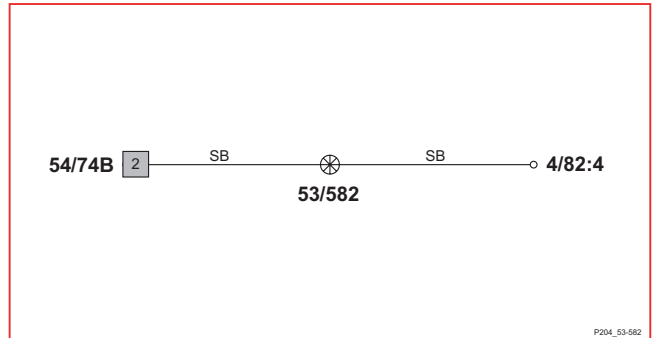
53/579



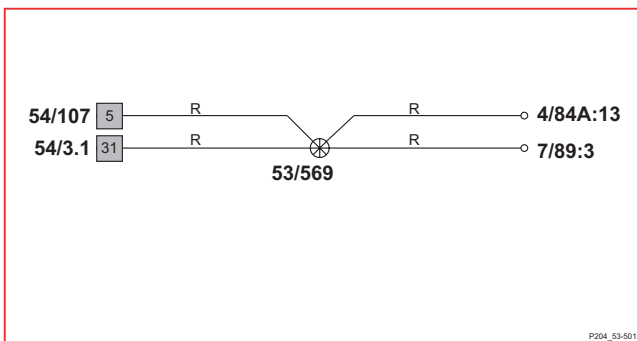
53/568 SUM



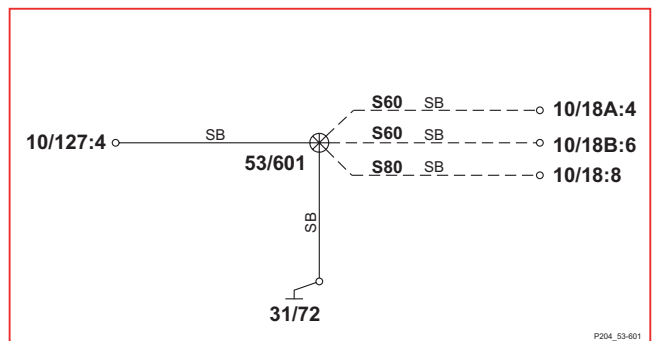
53/582 AWD



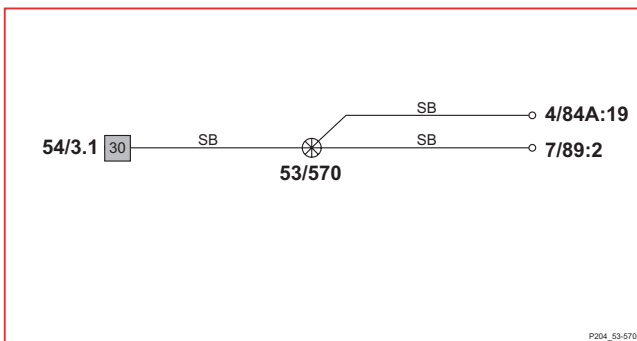
53/569



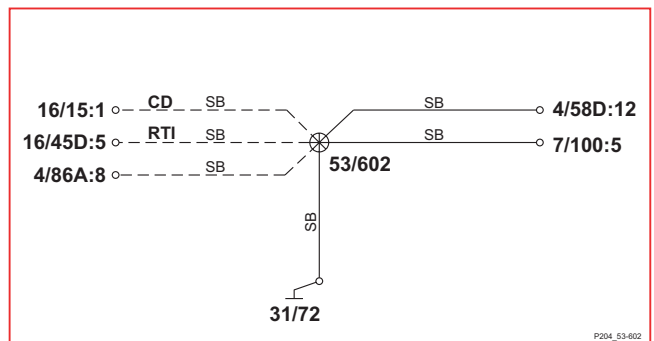
53/601



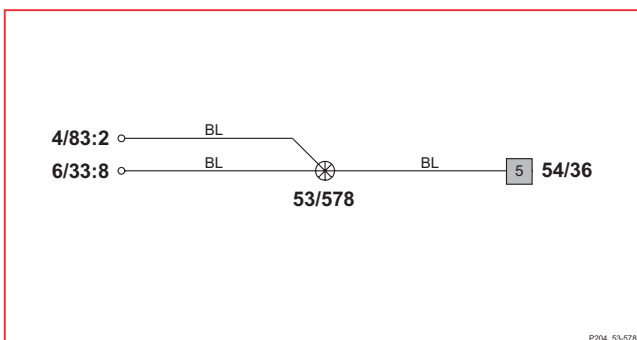
53/570



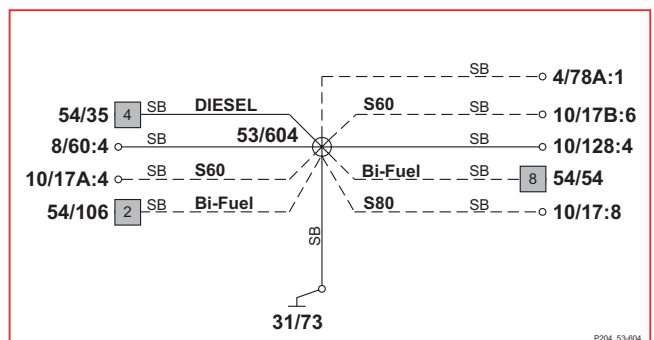
53/602



53/578

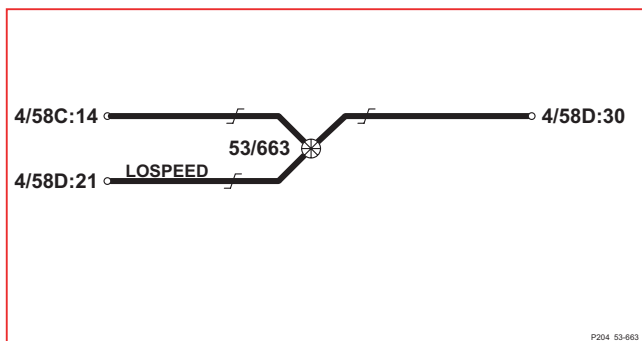


53/604

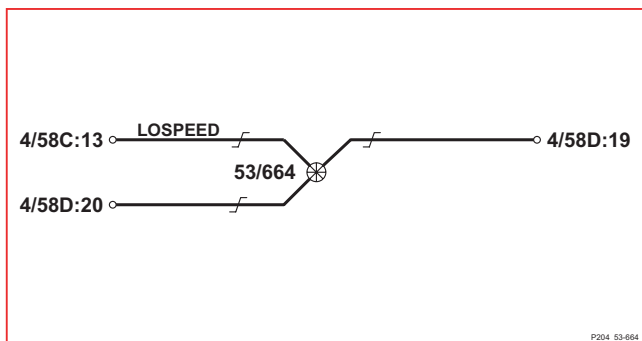


Branching points 53/663 - 53/737

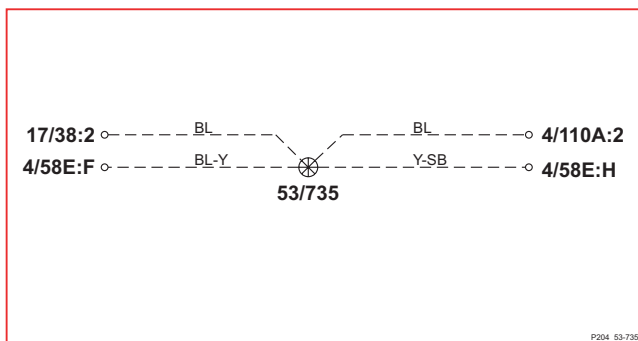
53/663



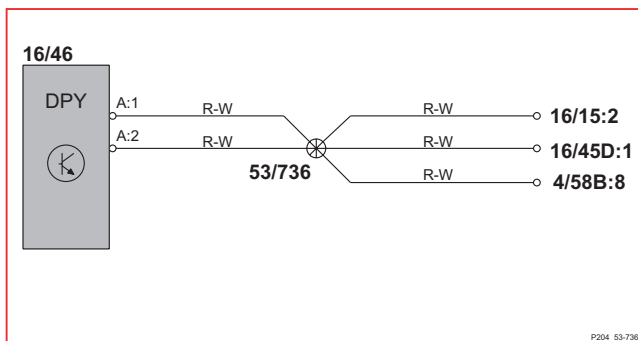
53/664



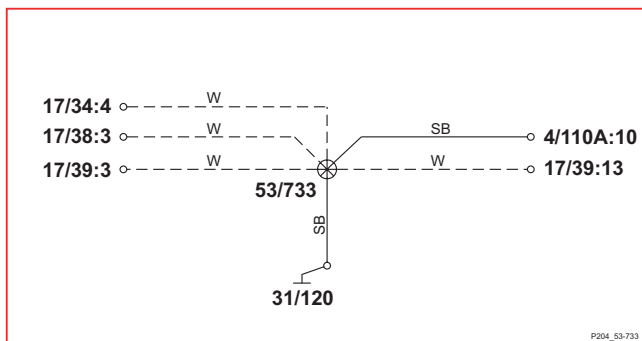
53/735



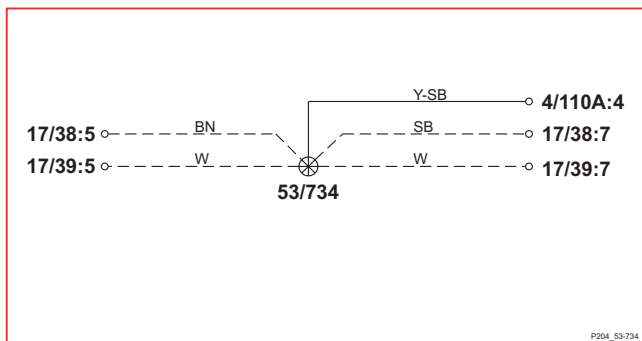
53/736



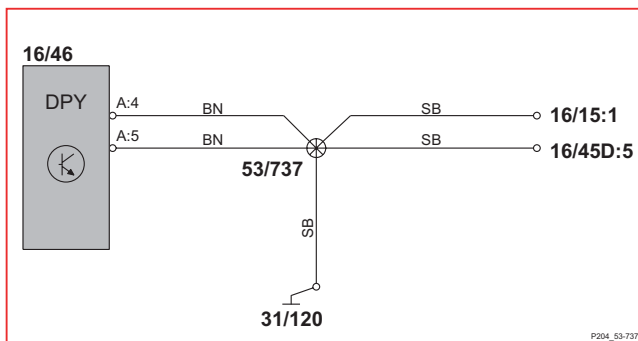
53/733



53/734

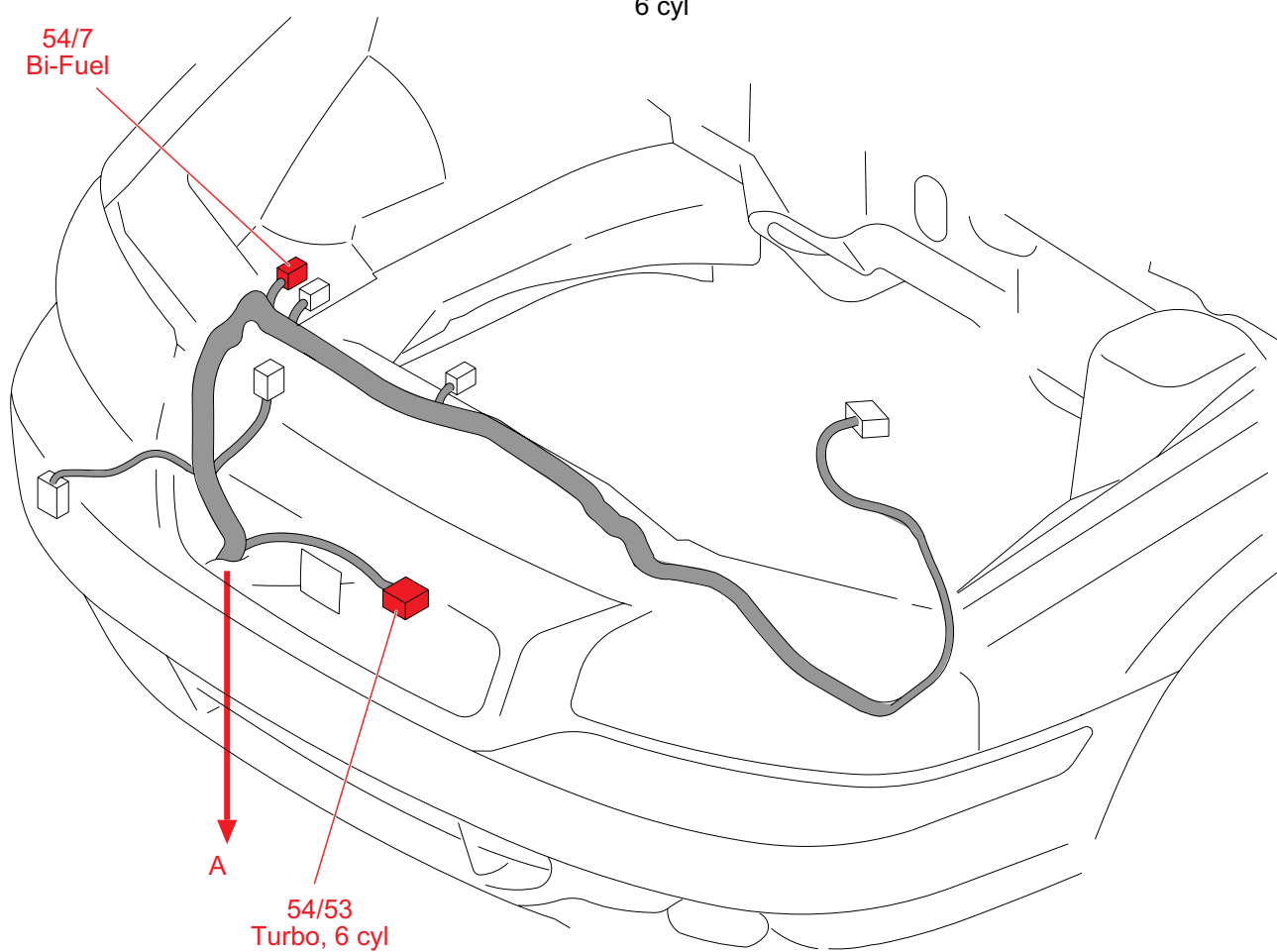
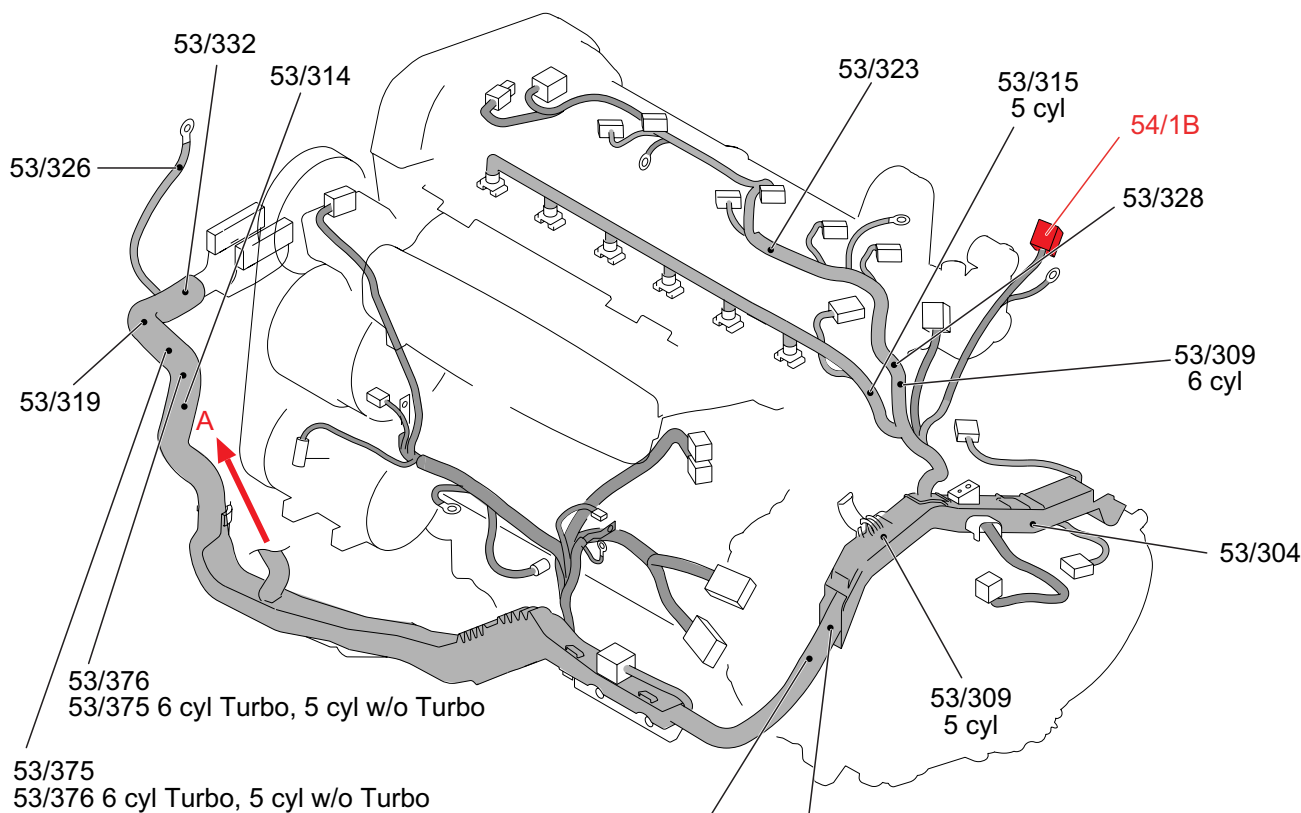


53/737



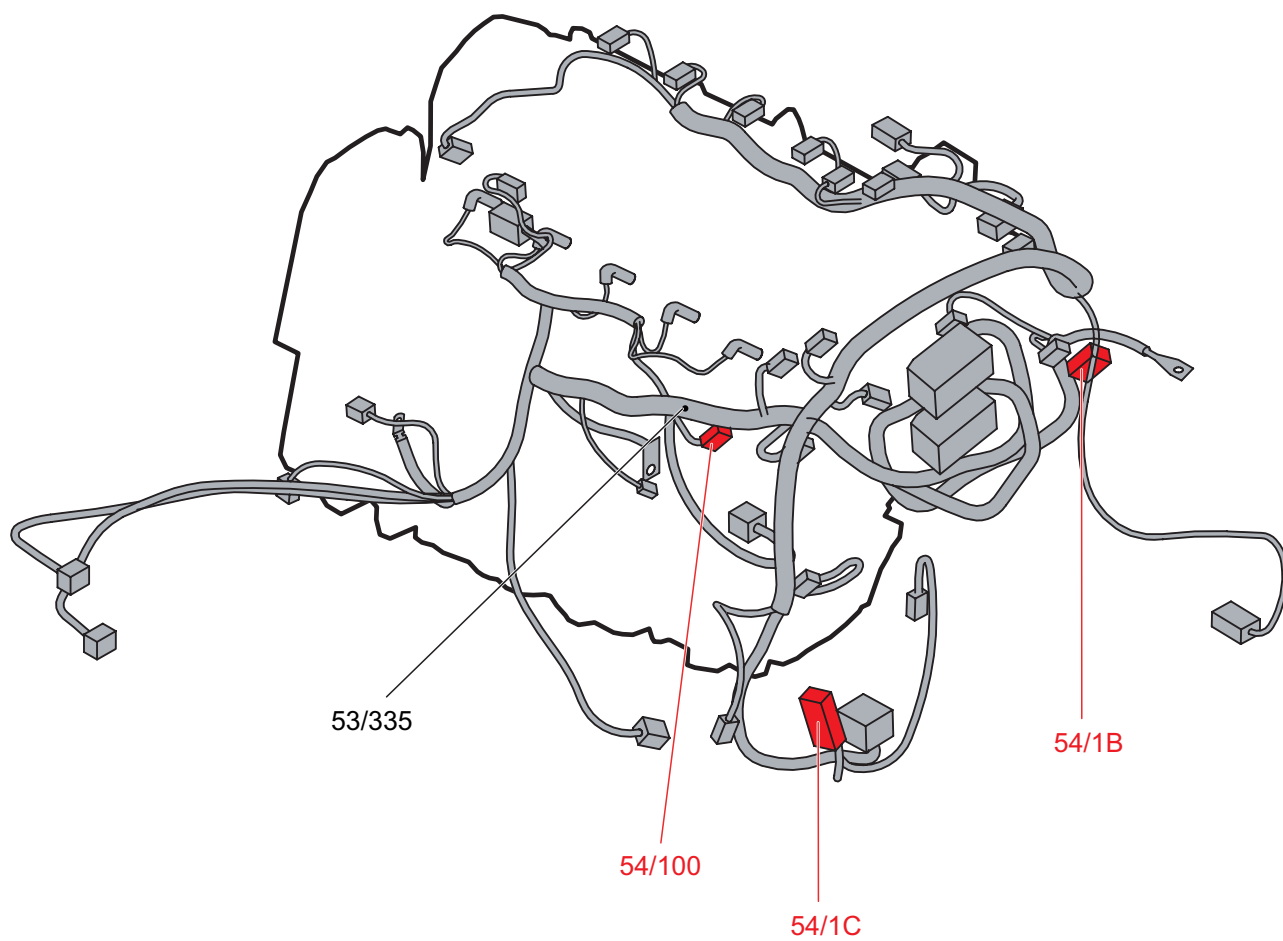
Cable harness routing in vehicle

Engine harness, Gasoline



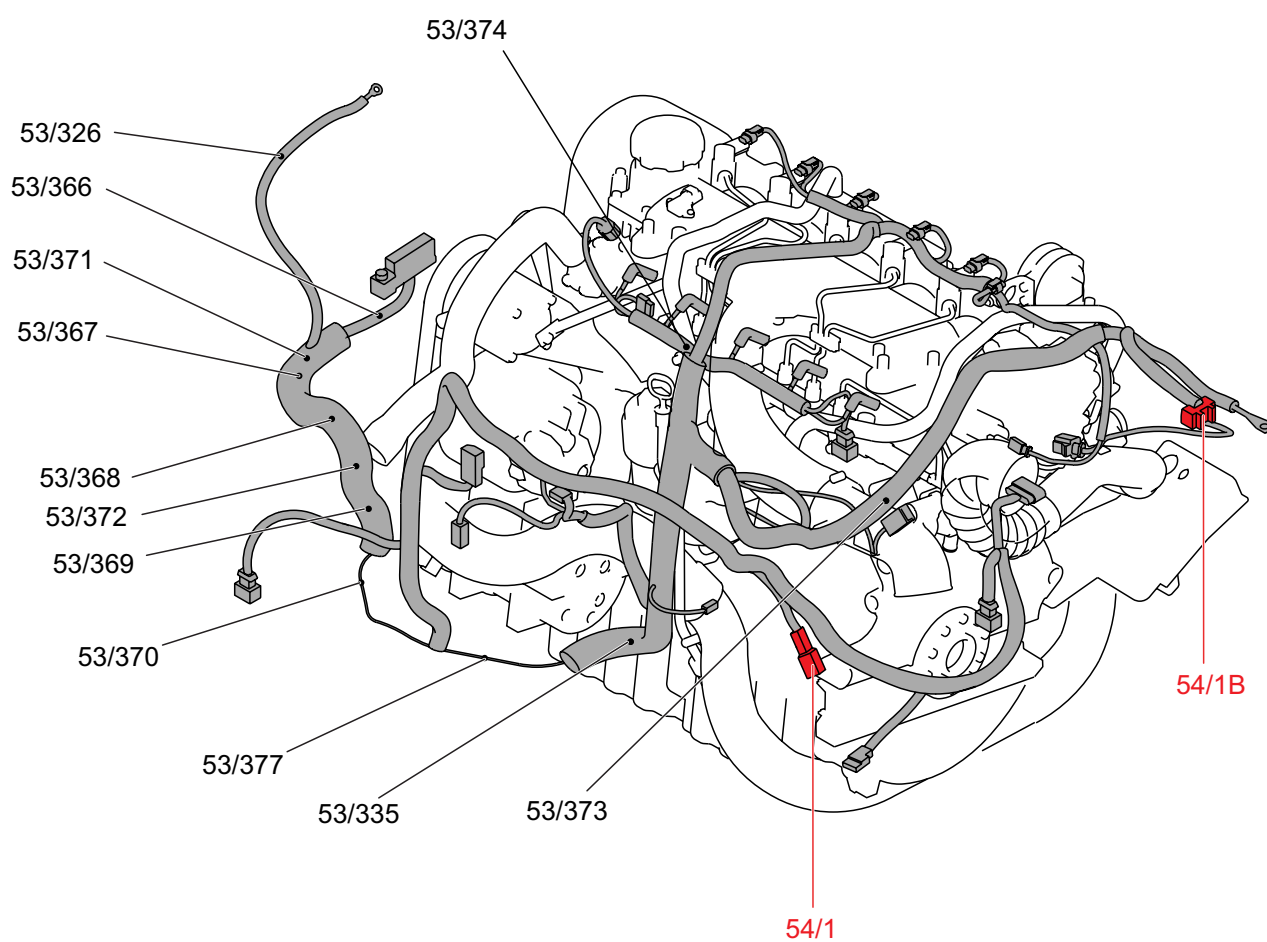
Cable harness routing in vehicle

Engine harness, I5D

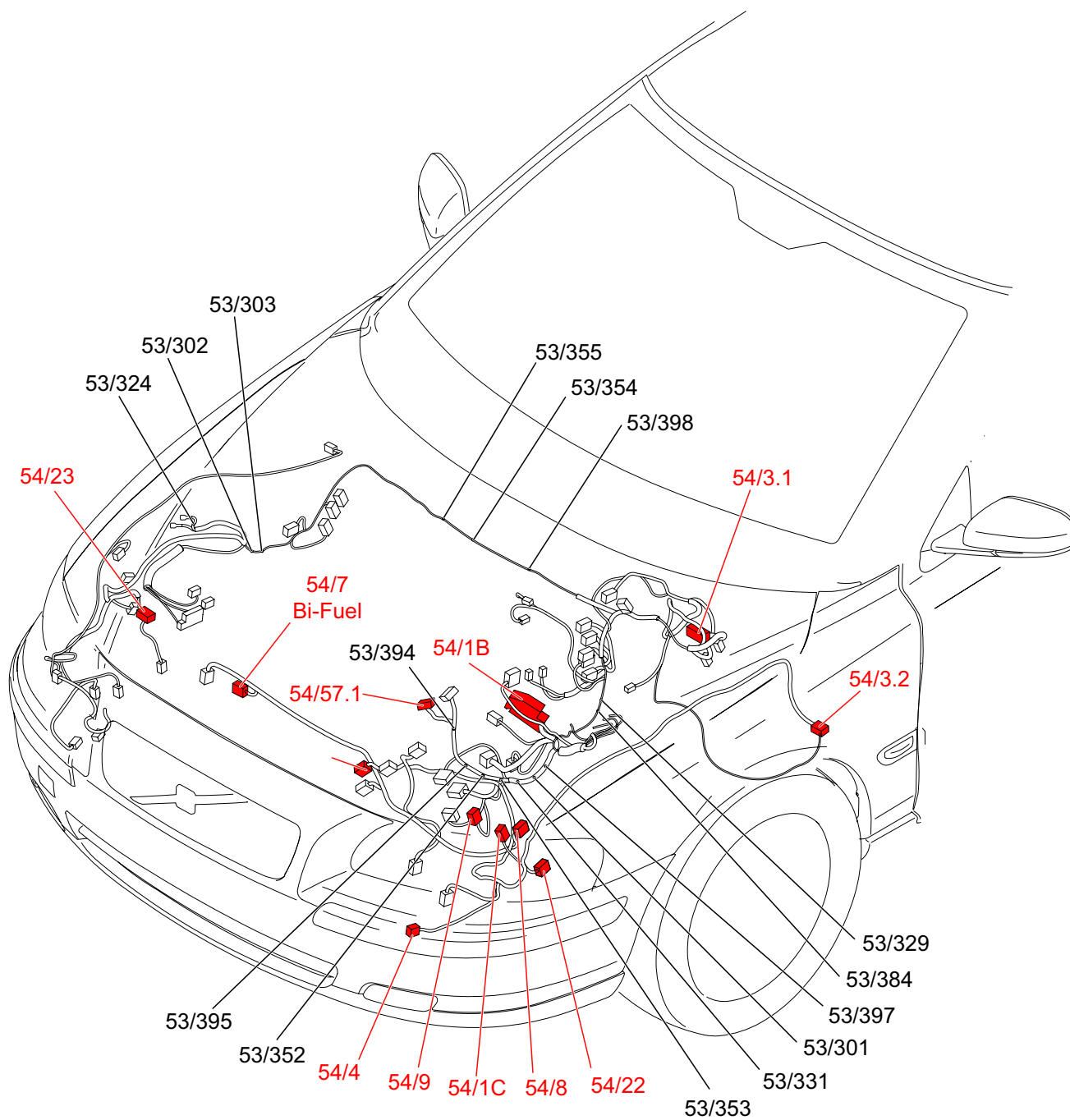


Cable harness routing in vehicle

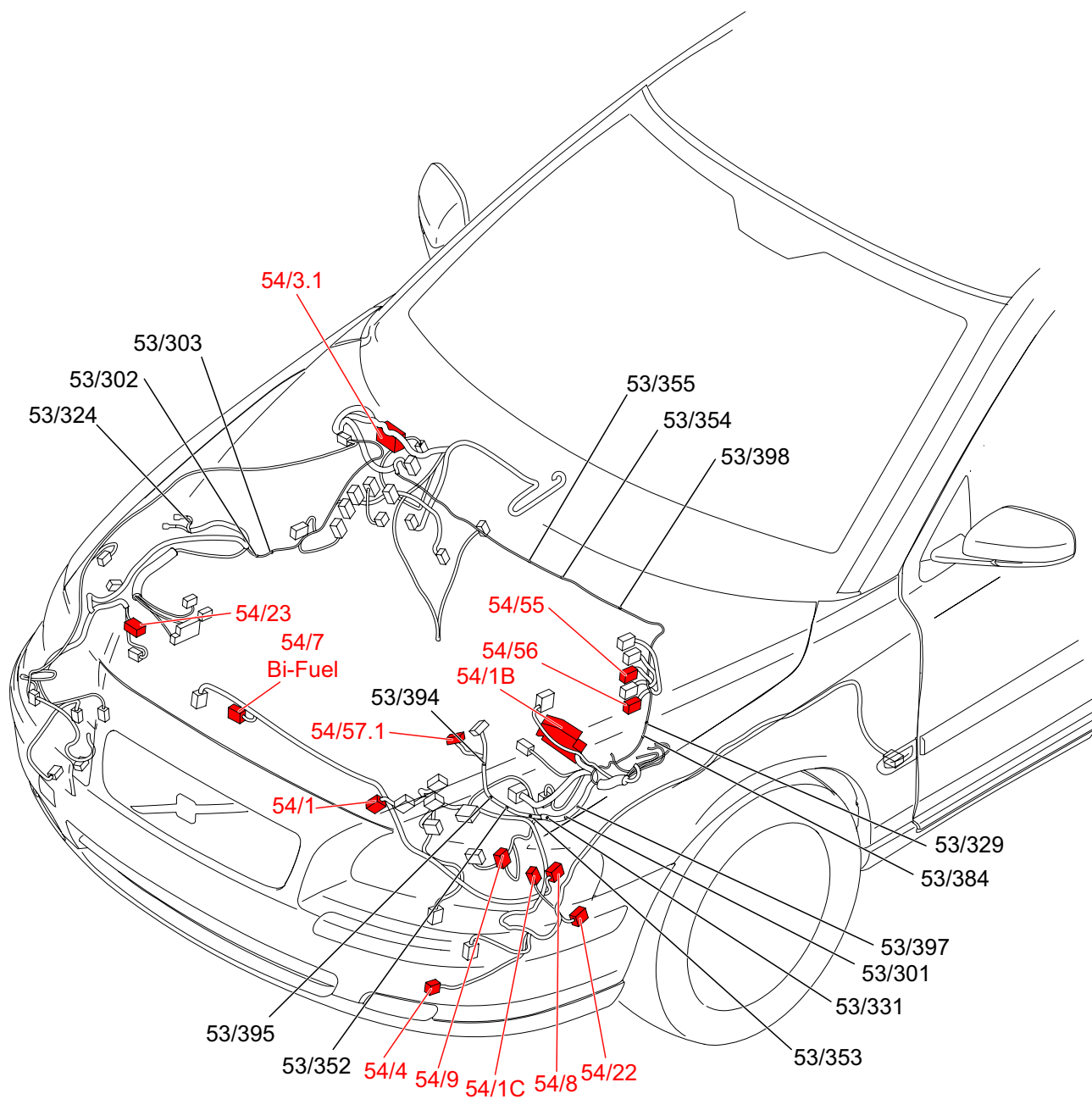
Engine harness, Diesel



Cable harness routing in vehicle **Engine compartment harness, LHD**

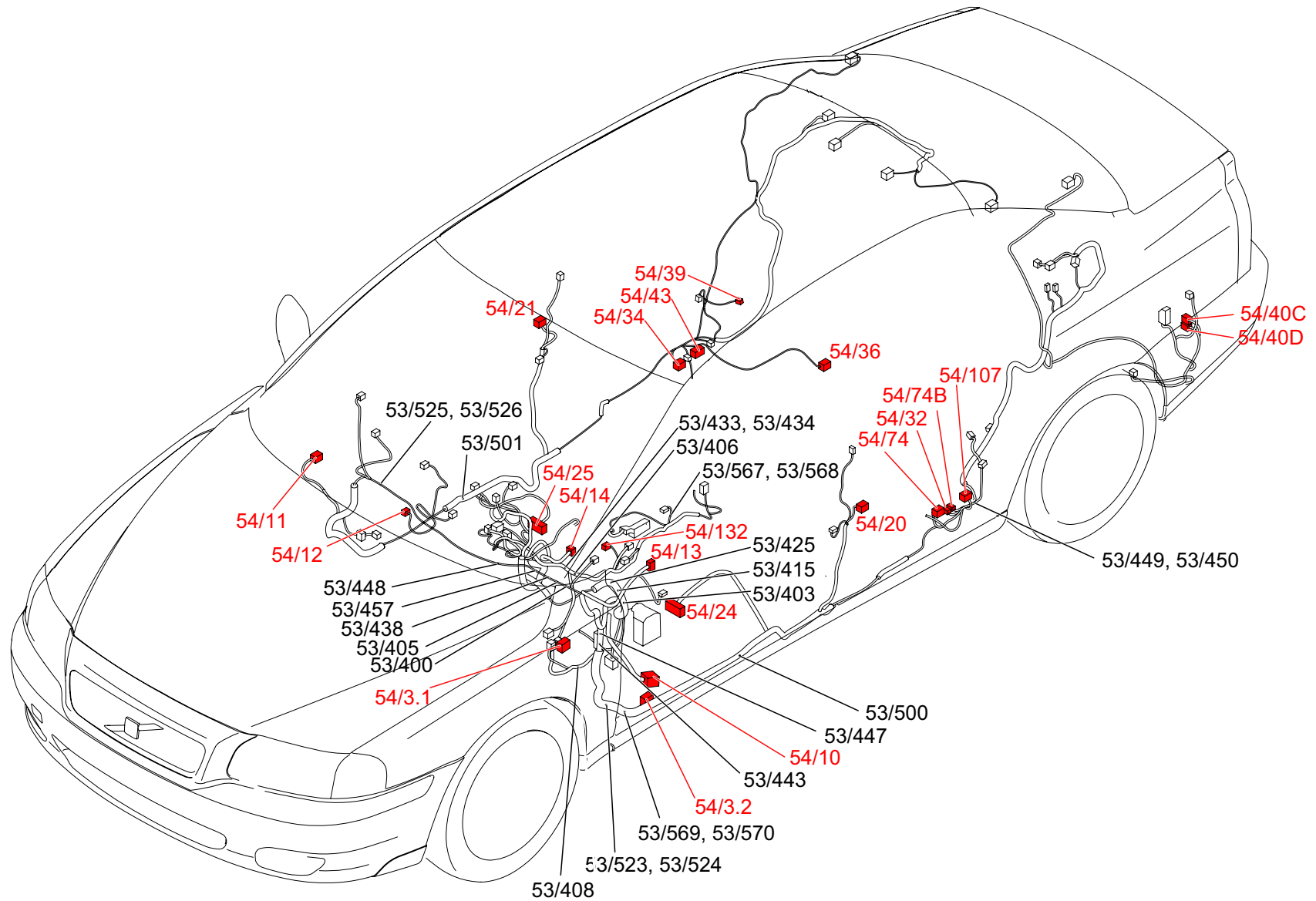


Cable harness routing in vehicle **Engine compartment harness, RHD**



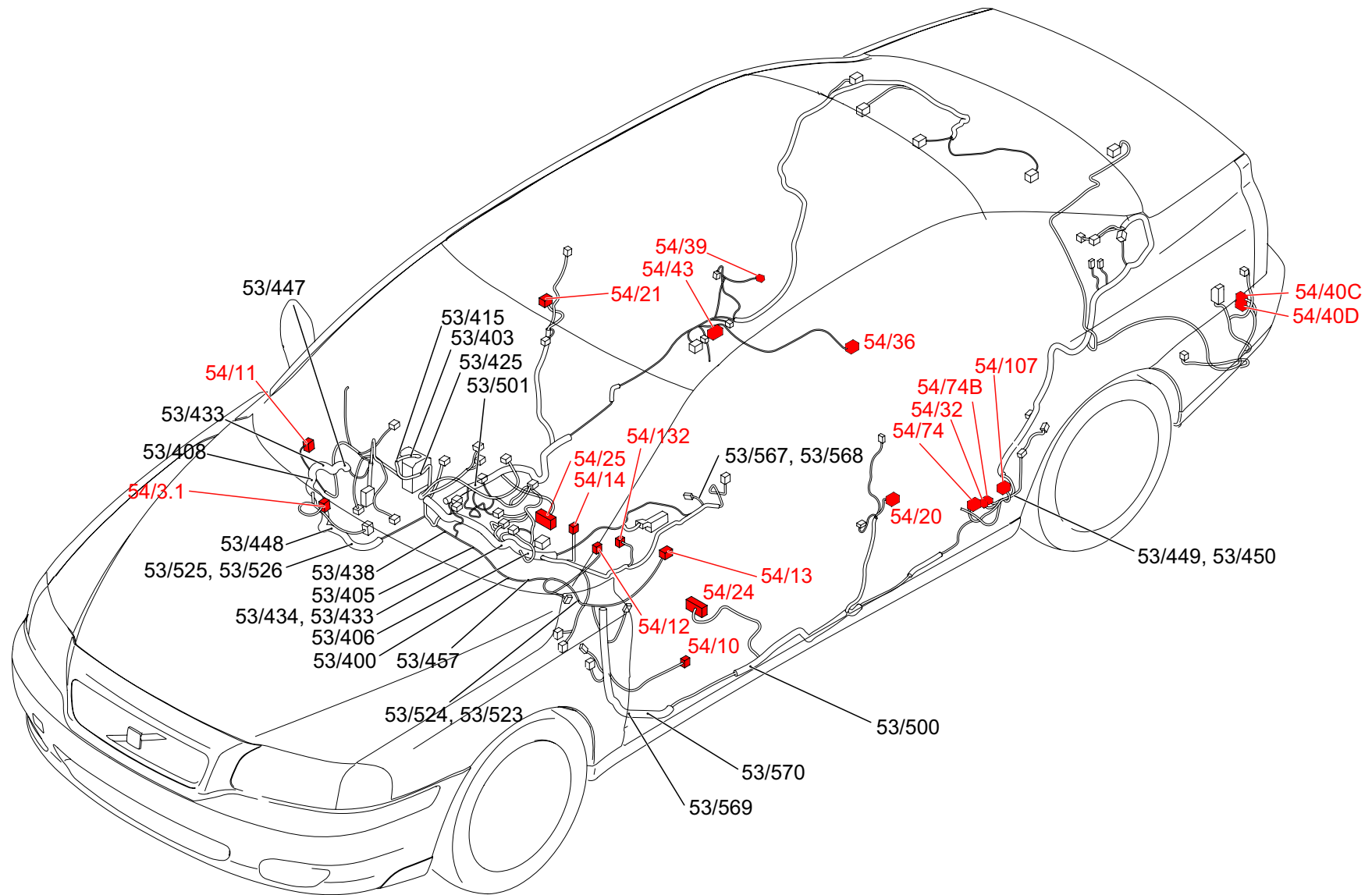
Cable harness routing in vehicle

Passenger compartment harness, LHD



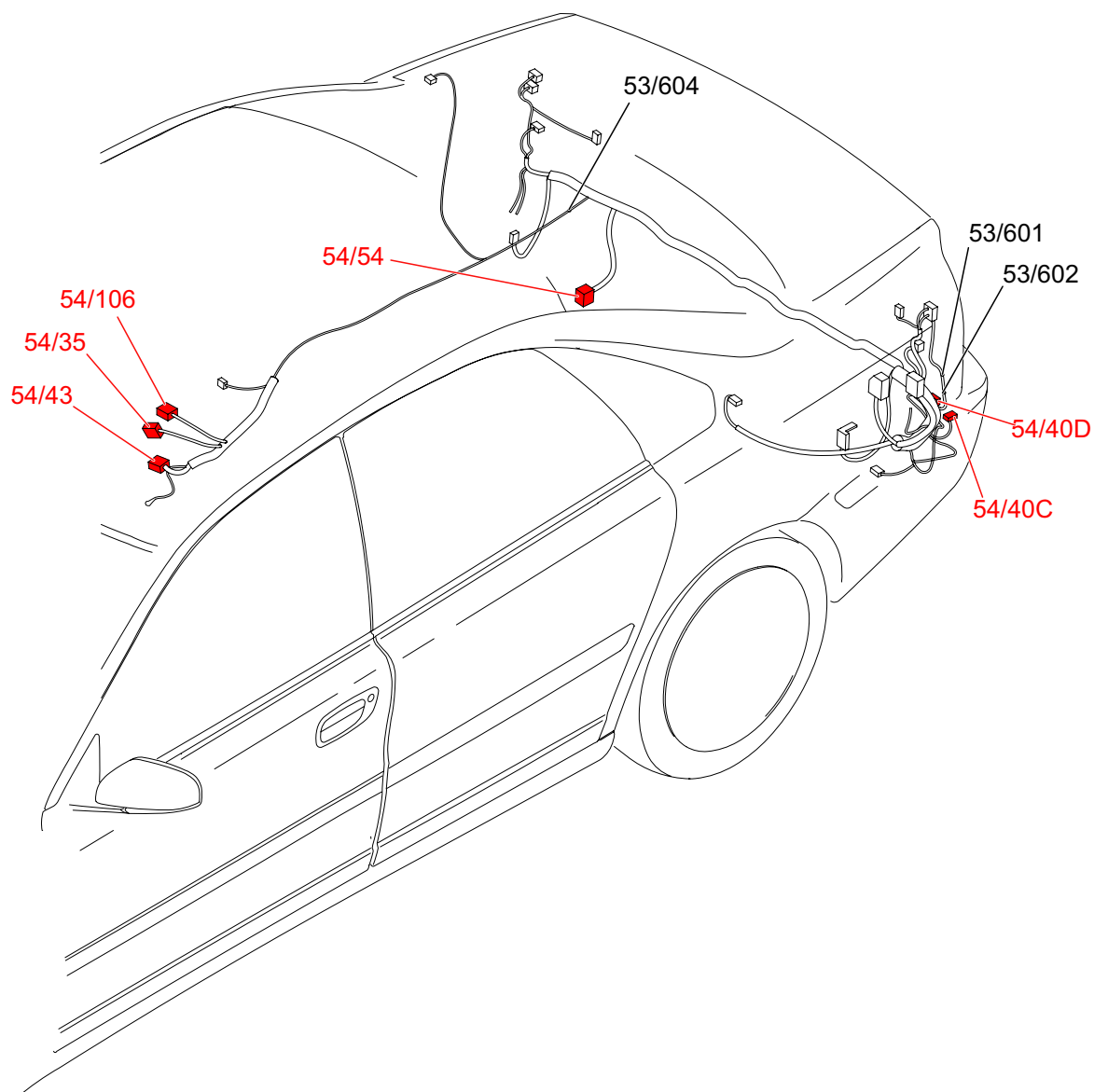
Cable harness routing in vehicle

Passenger compartment harness, RHD



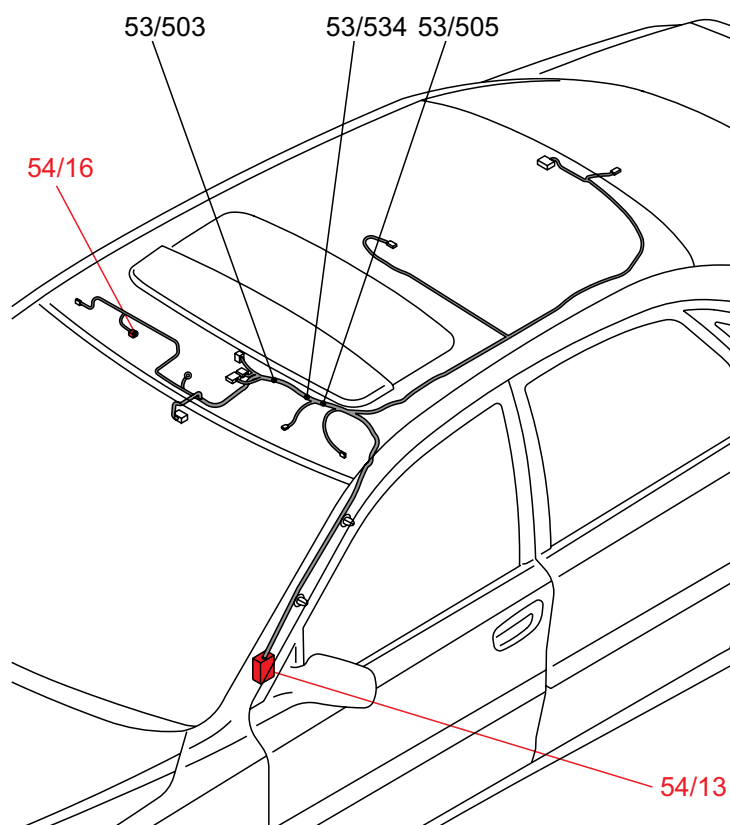
Cable harness routing in vehicle

Cargo compartment harness



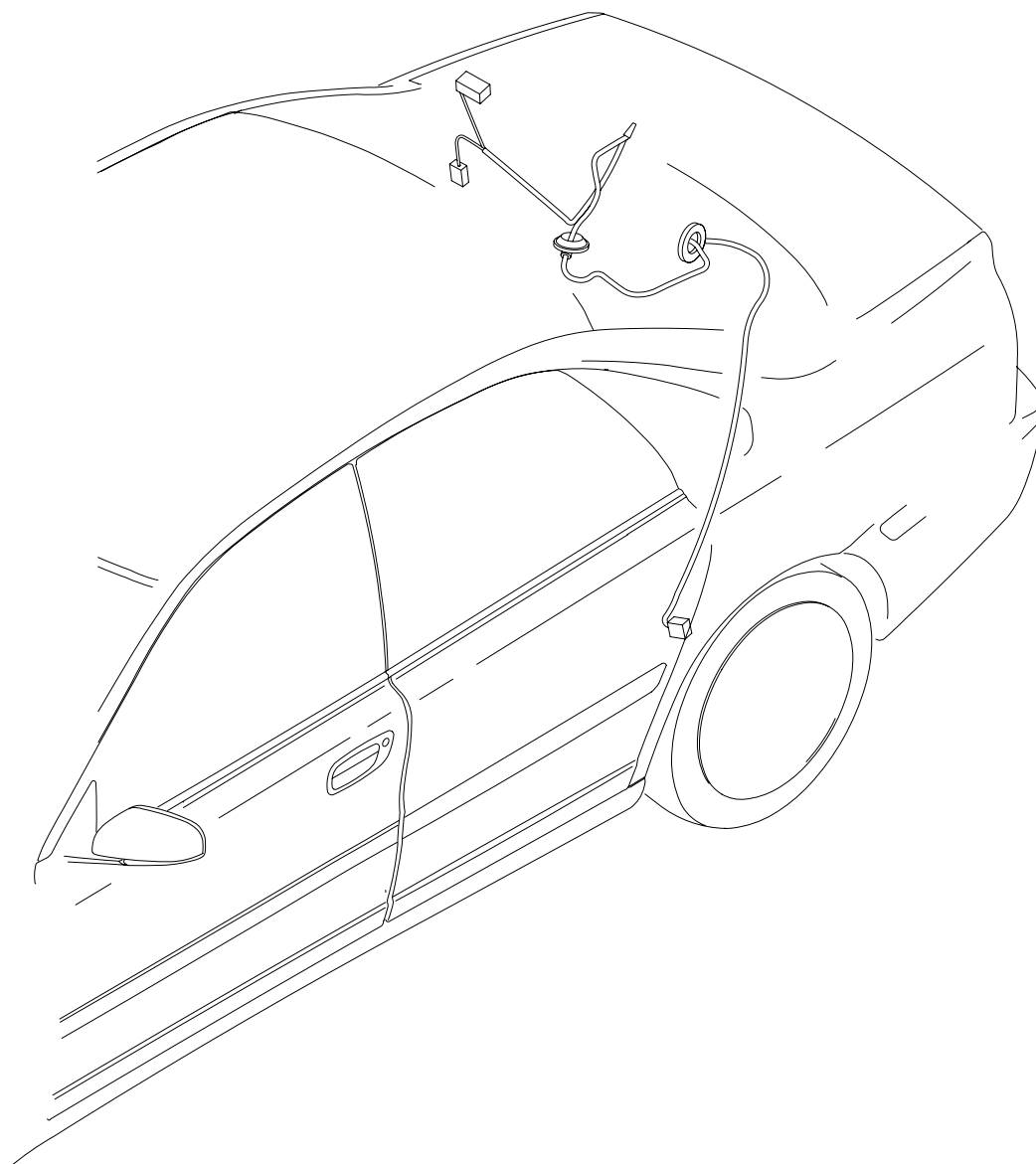
Cable harness routing in vehicle

Roof harness



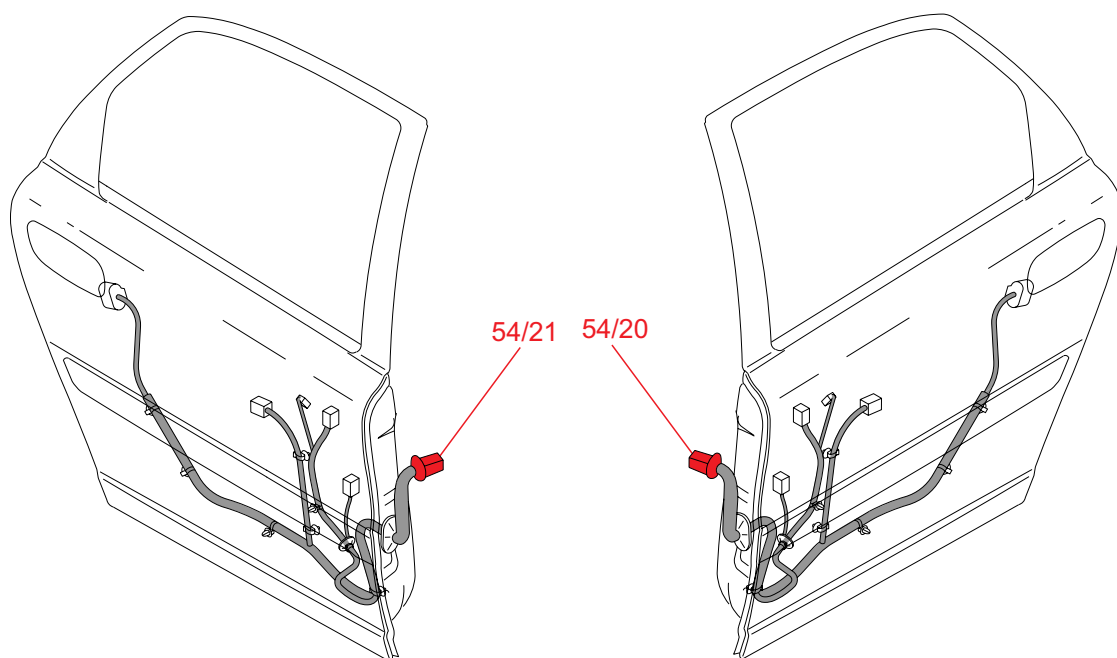
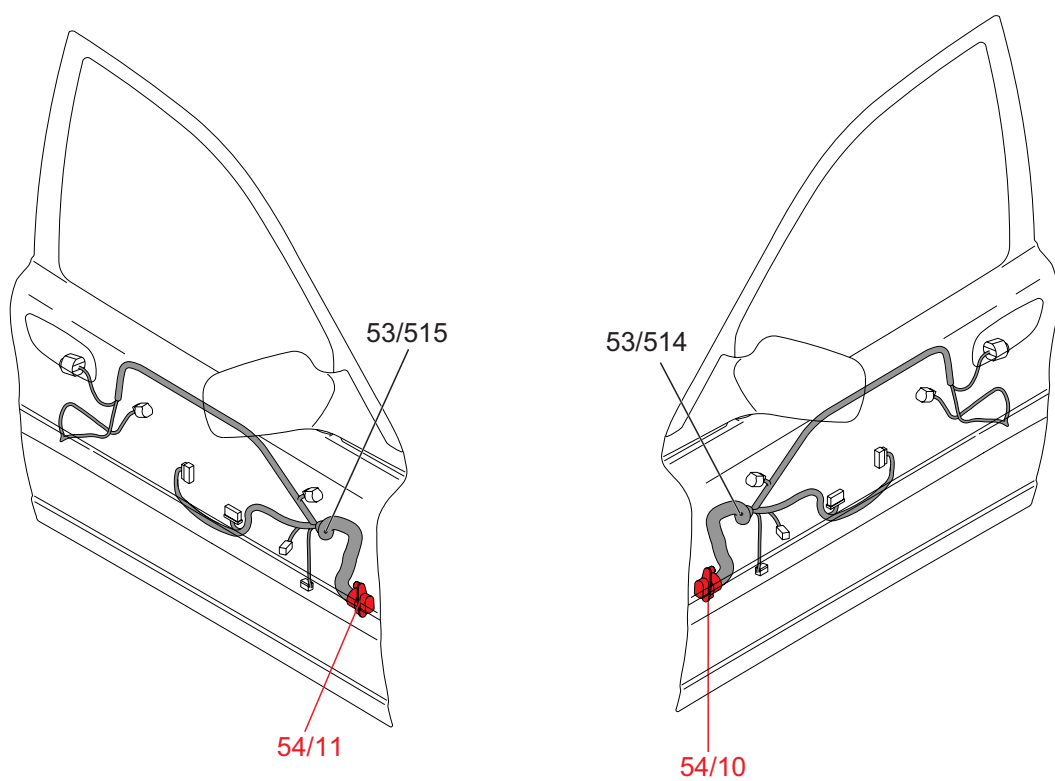
Cable harness routing in vehicle

Trunk lid/tailgate harness



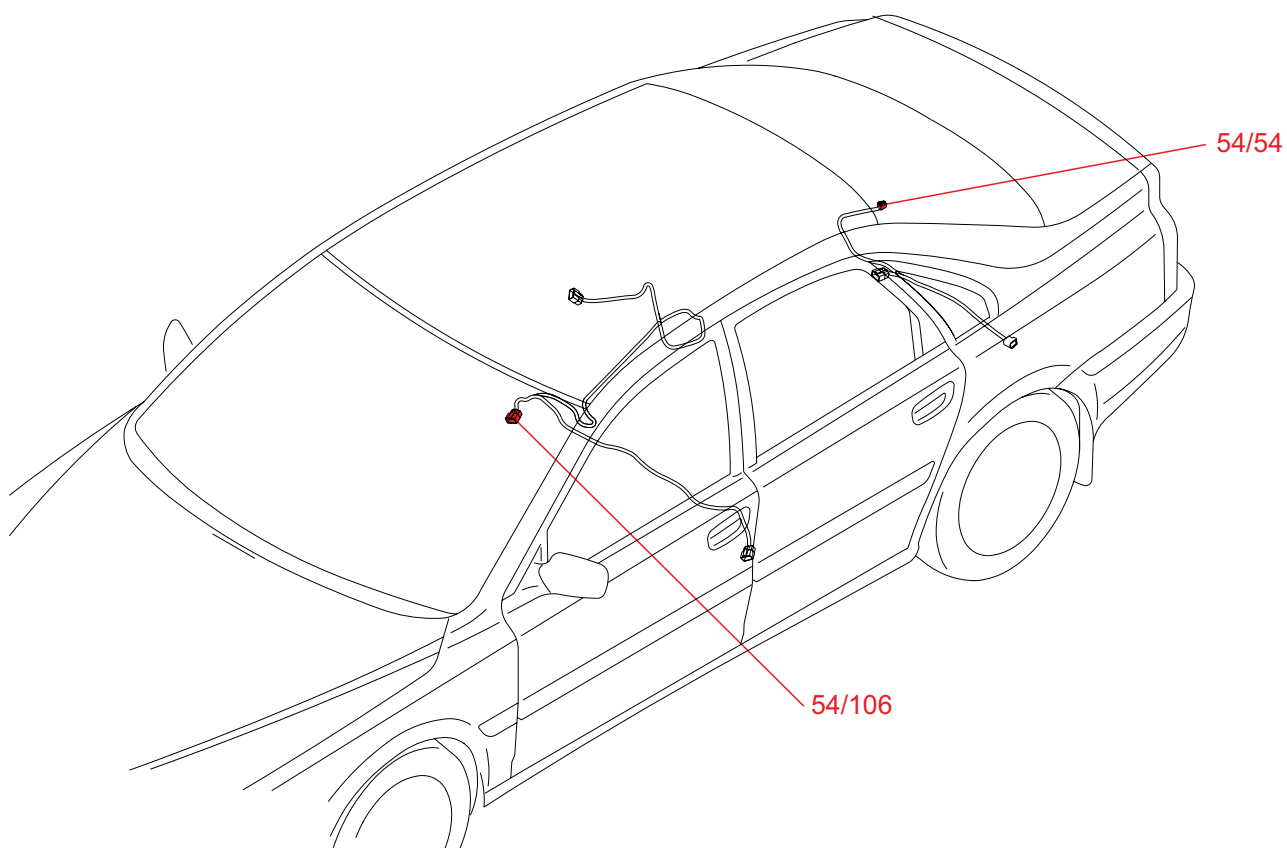
Cable harness routing in vehicle

Door harness



Cable harness routing in vehicle

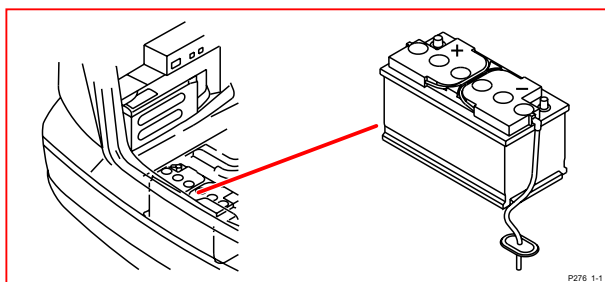
Bi-Fuel harness



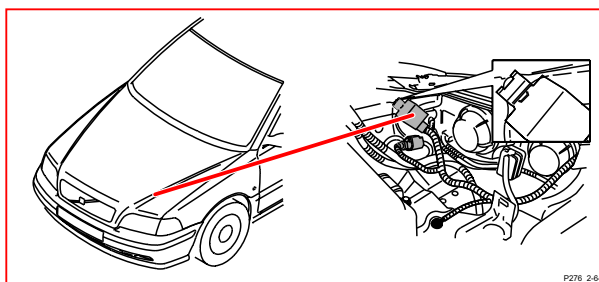
Component illustrations

1/1 - 2/191

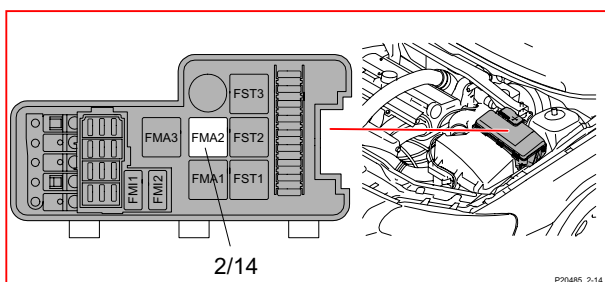
1/1 Battery



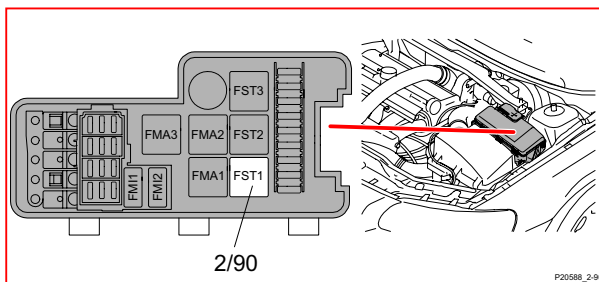
2/64 Auxiliary light (accessory) relay



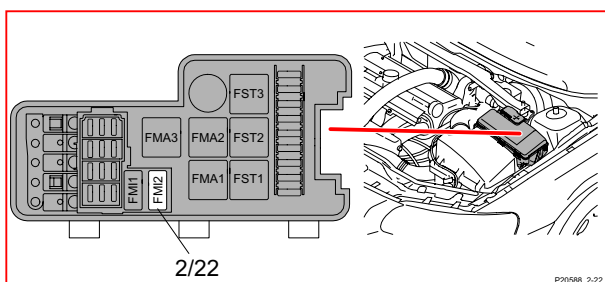
2/14 Relay, glow plug unit



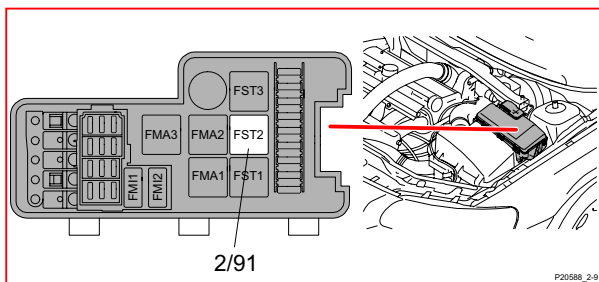
2/90 Relay, windshield wiper, low/high speed



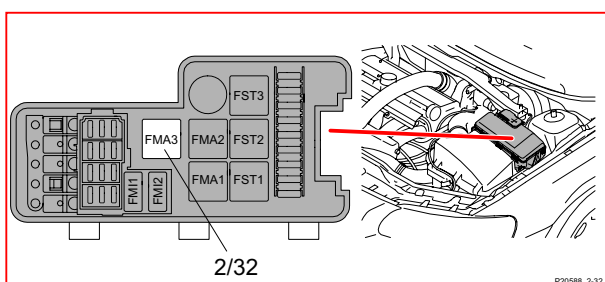
2/22 Relay, climate control system



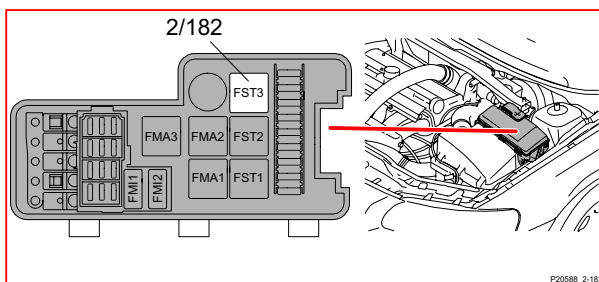
2/91 Relay, intermittent wiping



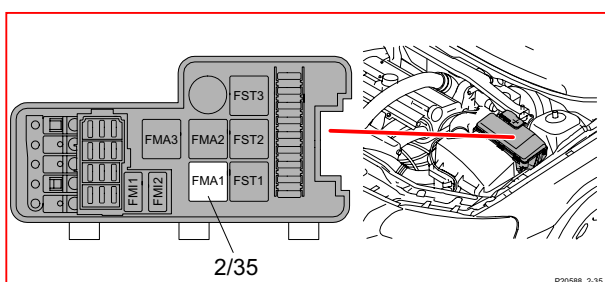
2/32 Main relay, engine management system



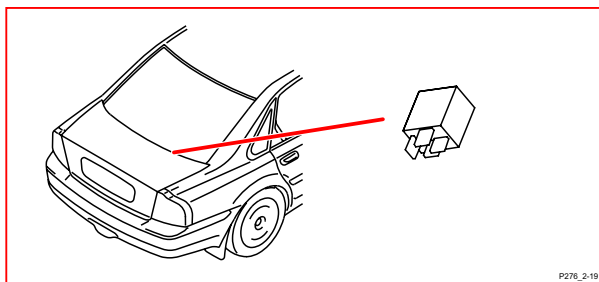
2/182 Relay, high pressure headlight washer motor



2/35 Starter motor relay



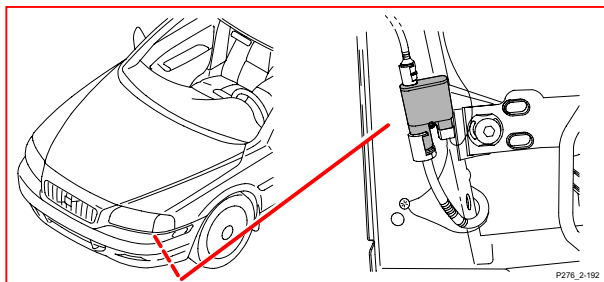
2/191 Relay, remote parking heater start, radio signal



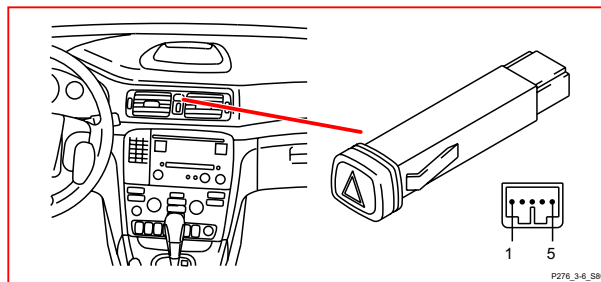
Component illustrations

2/192 - 3/25

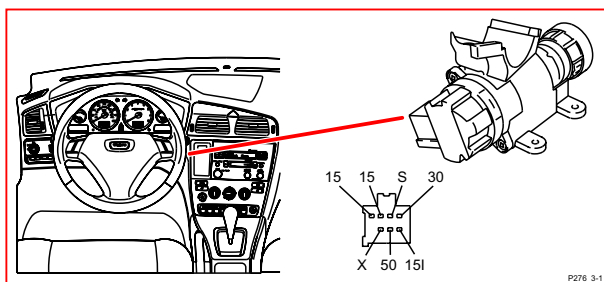
2/192 Relay, electric engine heater



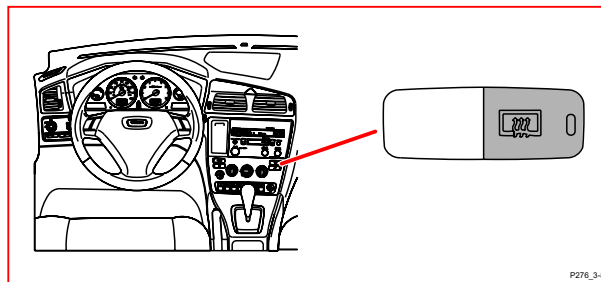
3/6 Hazard warning flasher switch S80



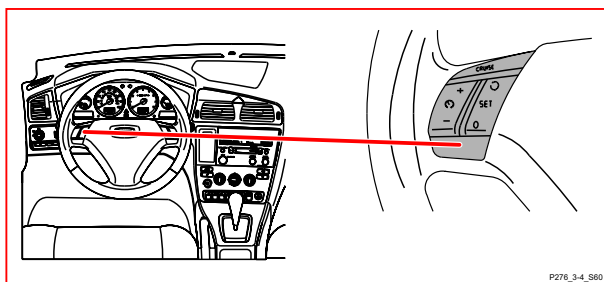
3/1 Ignition switch



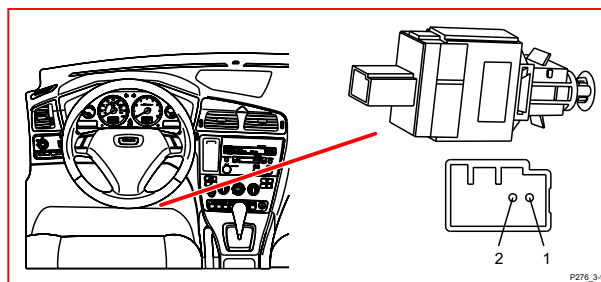
3/8 Switch, heated rear window/door mirrors



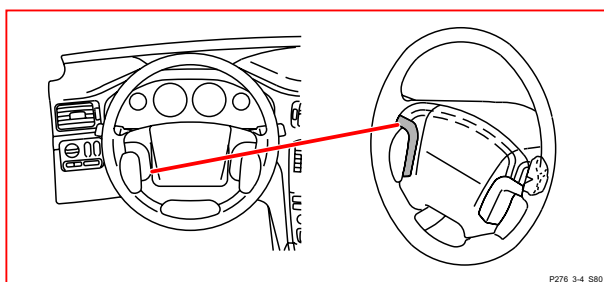
3/4 Steering wheel switch left (SWSL), S60



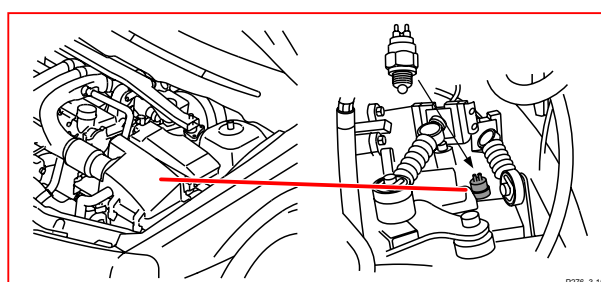
3/9 Brake light contact



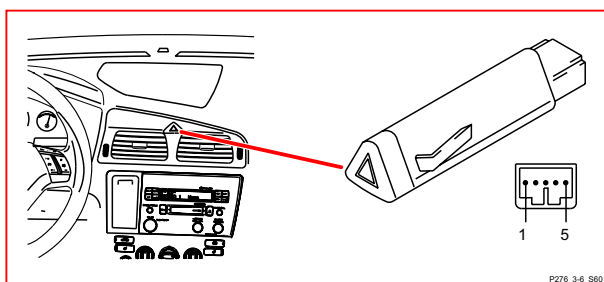
3/4 Steering wheel switch left (SWSL), S80



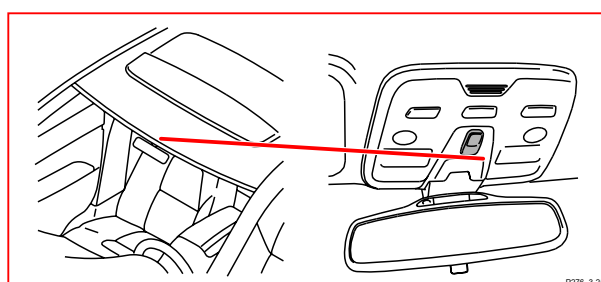
3/10 Reversing light contact



3/6 Hazard warning flasher switch S60



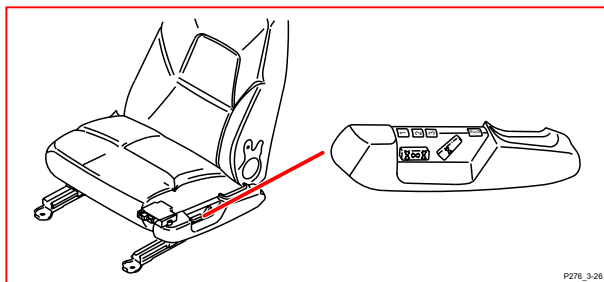
3/25 Power sunroof switch



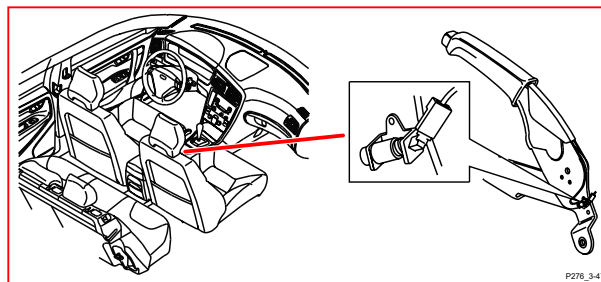
Component illustrations

3/26 - 3/71

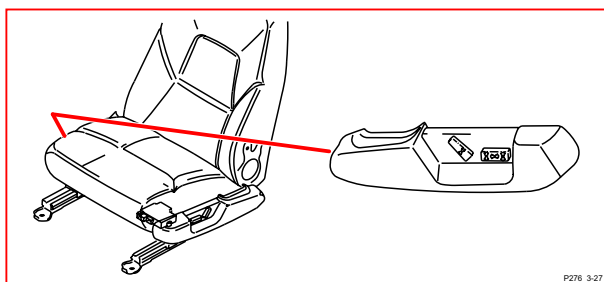
3/26 Switch unit, power driver's seat



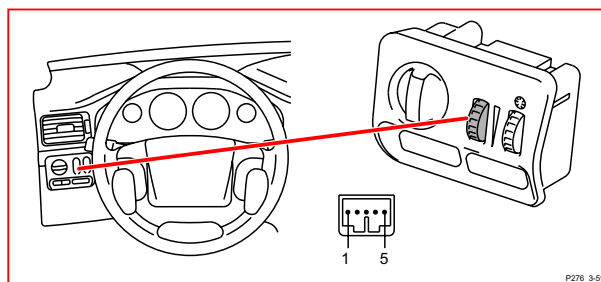
3/47 Parking brake contact



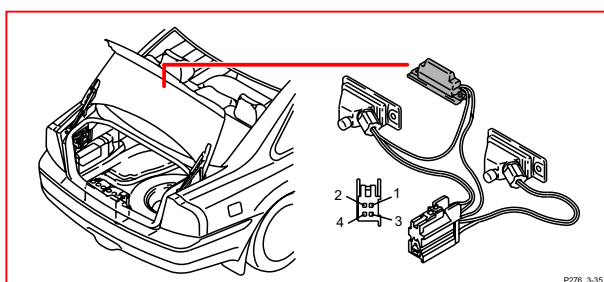
3/27 Switch unit, power passenger seat



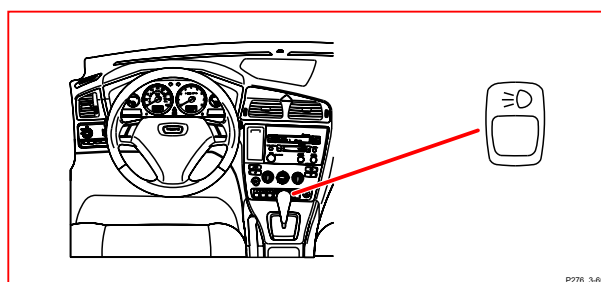
3/59 Headlight adjustment control



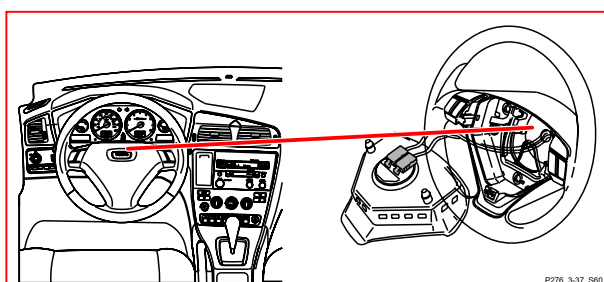
3/35 Trunk handle switch



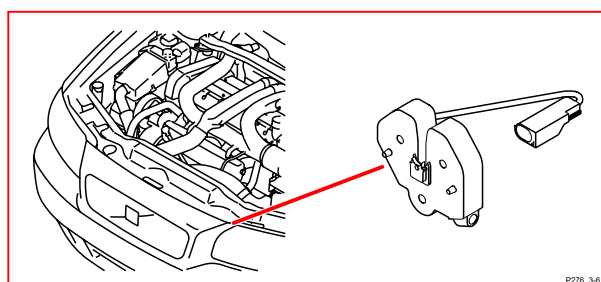
3/60 Auxiliary light switch



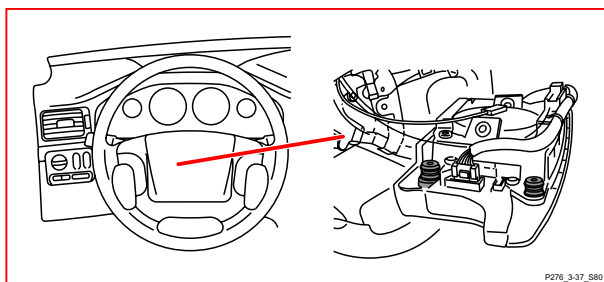
3/37 Horn contact, S60



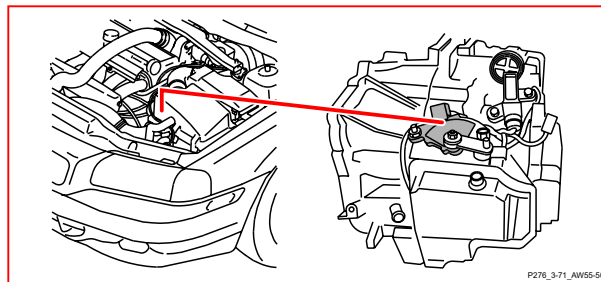
3/62 Hood alarm contact



3/37 Horn contact, S80



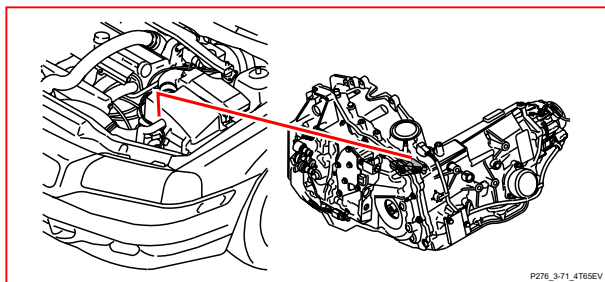
3/71 Gear selector contact, AW 55-51/51 AWD



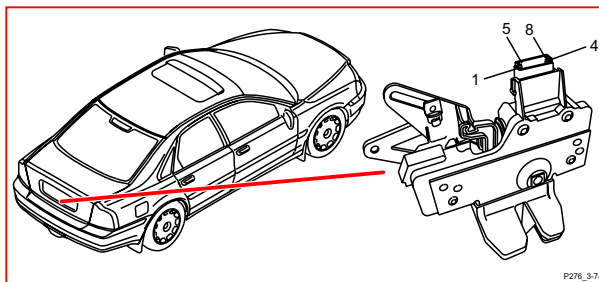
Component illustrations

3/71 - 3/86

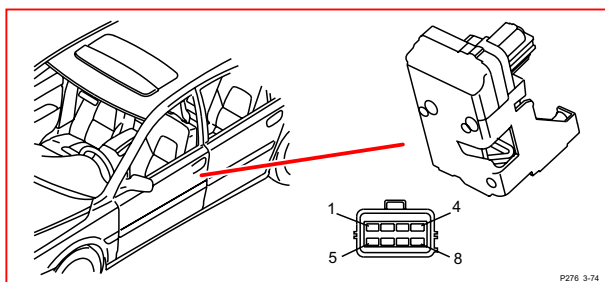
3/71 Gear selector contact, 4T65EV



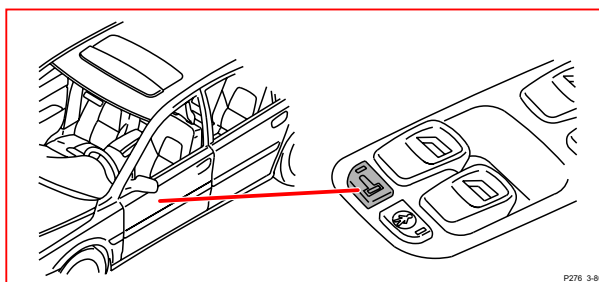
3/78 Trunk lid lock unit



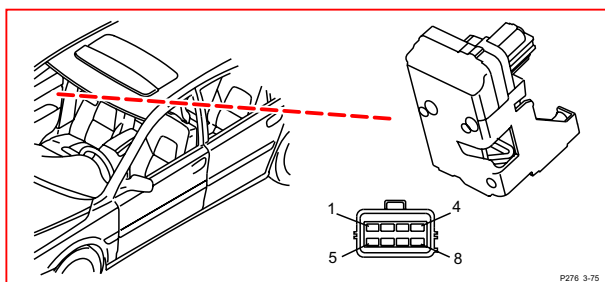
3/74 Lock unit, front left door



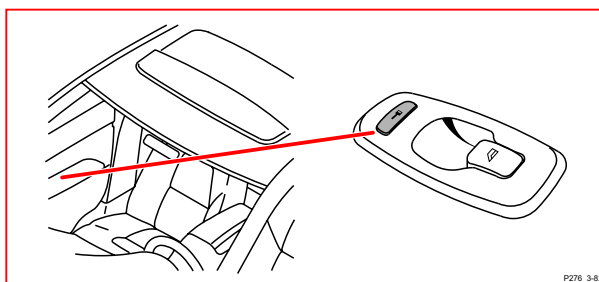
3/80 Switch, left-hand central lock



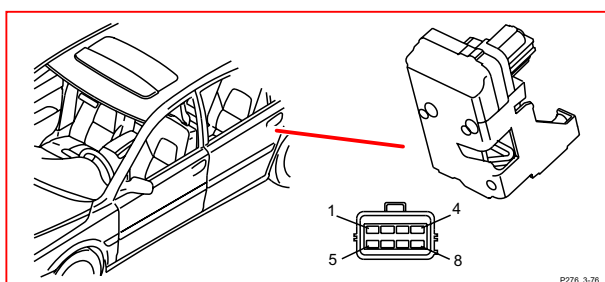
3/75 Right-hand front door lock unit



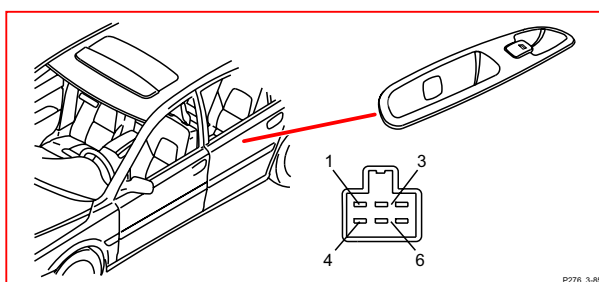
3/82 Switch, right-hand central lock



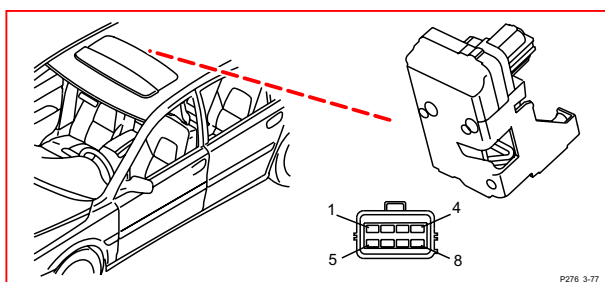
3/76 Left-hand rear door lock unit



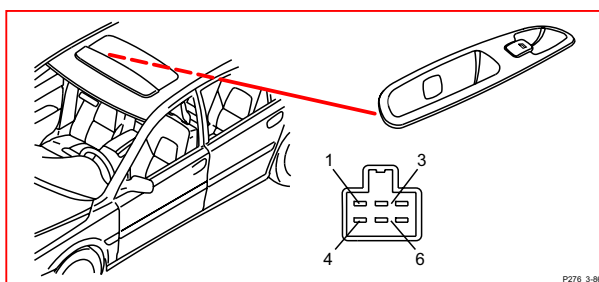
3/85 Rear left door power window switch



3/77 Right-hand rear door lock unit



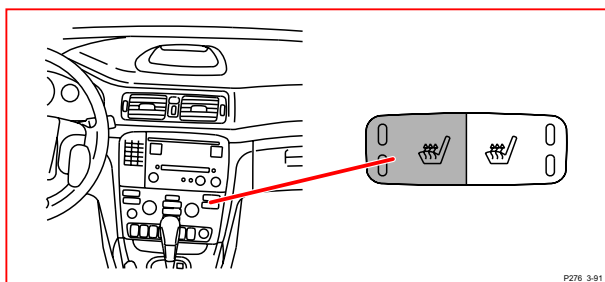
3/86 Rear right door power window switch



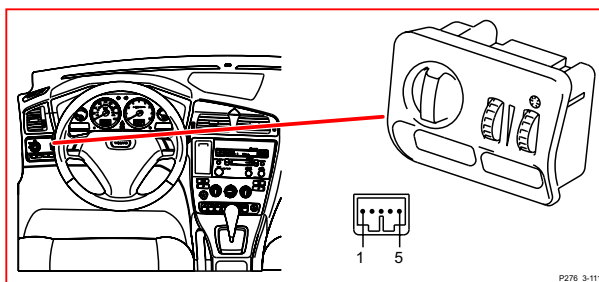
Component illustrations

3/91 - 3/126

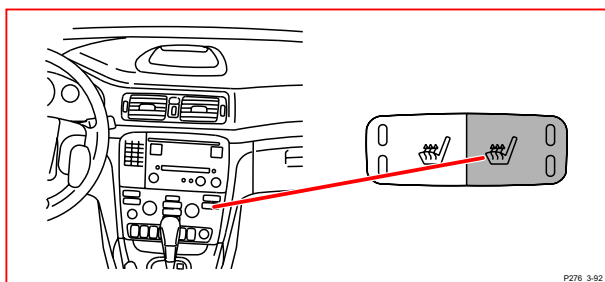
3/91 Switch, left-hand heated seat



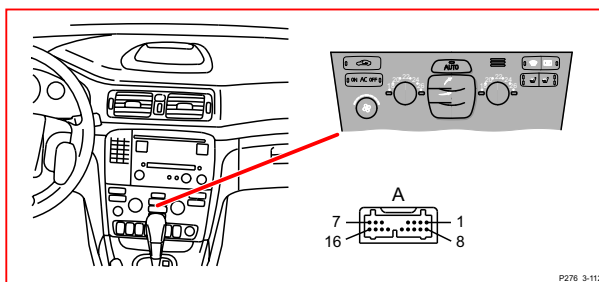
3/111 Light Switch Module (LSM)



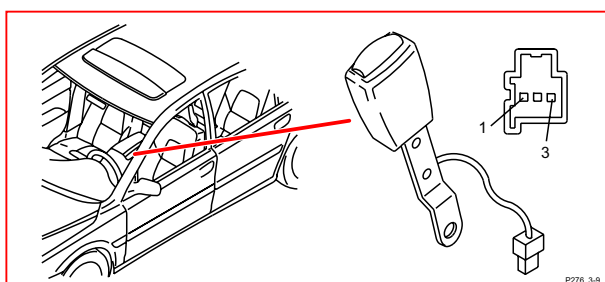
3/92 Switch, right-hand heated seat



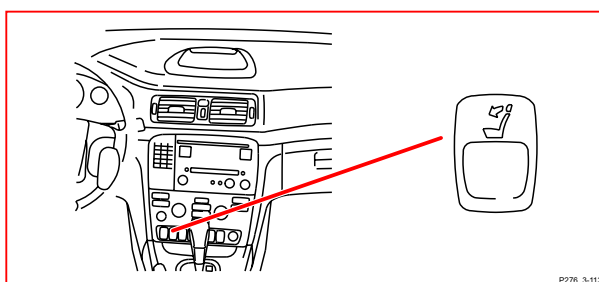
3/112 Climate Control Module (CCM)



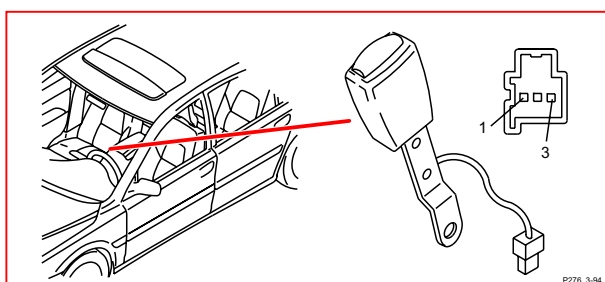
3/93 Switch, left-hand seat belt buckle



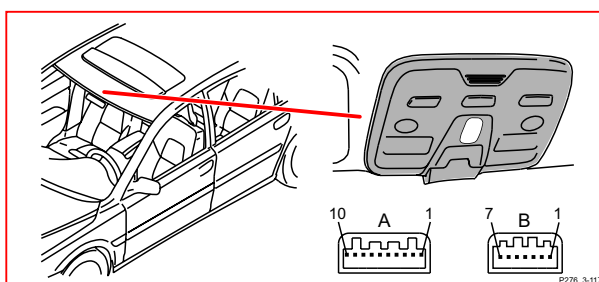
3/113 Rear adjustable head restraint relay



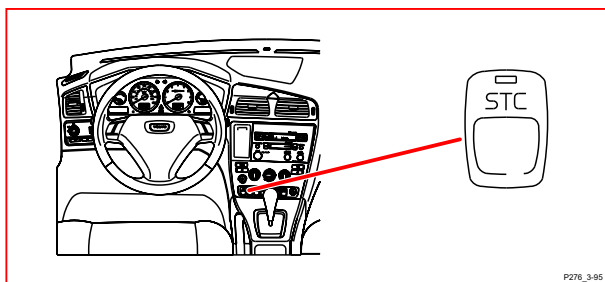
3/94 Switch, right-hand seat belt buckle



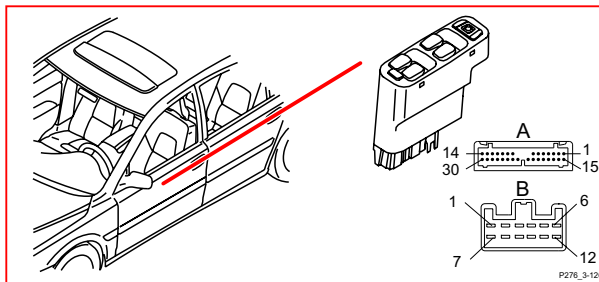
3/117 Switch unit, dome light



3/95 Spin control switch



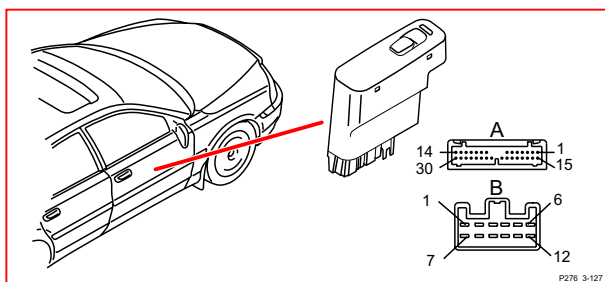
3/126 Driver/Passenger Door Module (DDM)/(PDM)



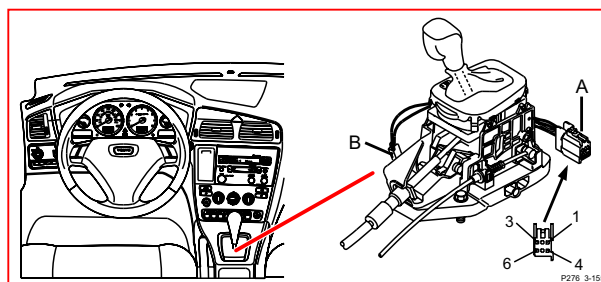
Component illustrations

3/127 - 3/173

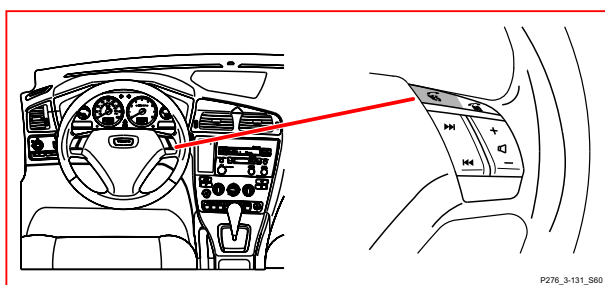
3/127 Passenger/Driver Door Module (PDM)/(DDM)



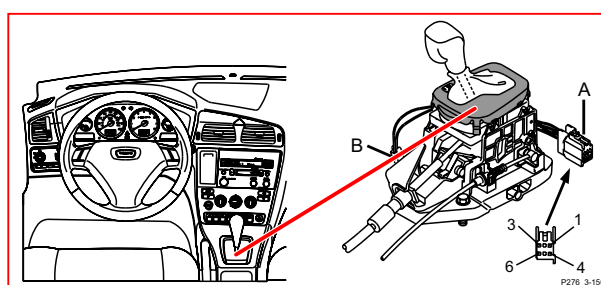
3/155 Mode selector, automatic transmission



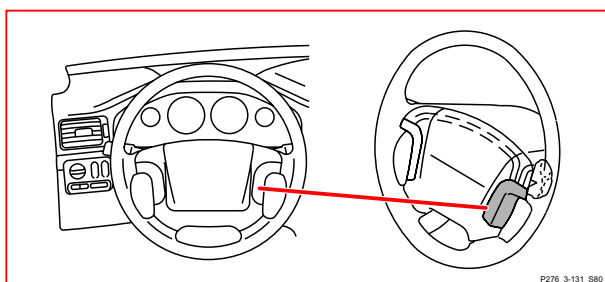
3/131 Steering wheel switch right (SWSR), S60



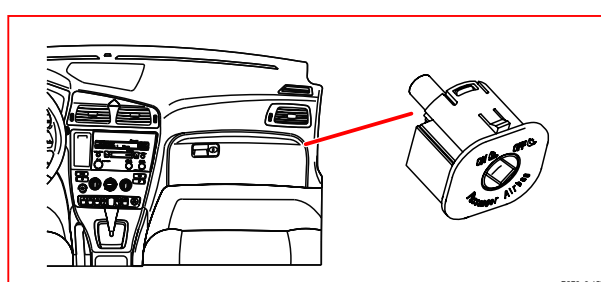
3/156 Gear Selector Module (GSM)



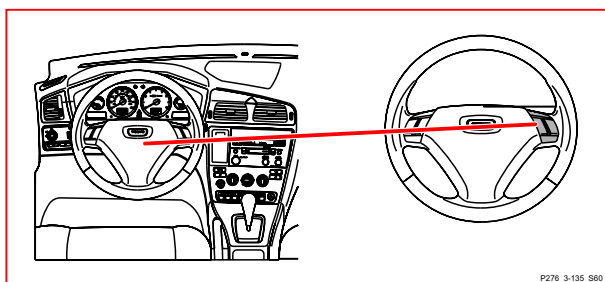
3/131 Steering wheel switch right (SWSR), S80



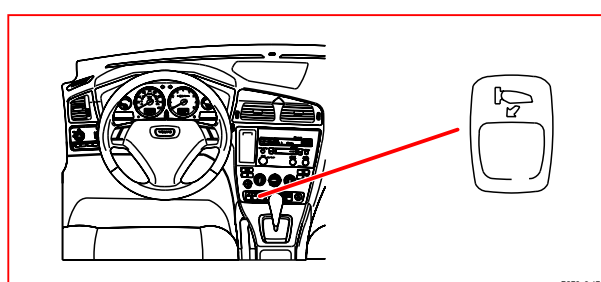
3/157 Switch, passenger side airbag



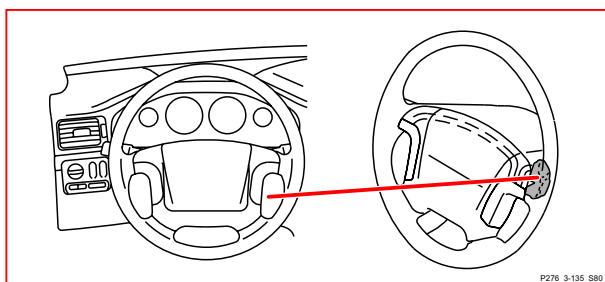
3/135 Switch, RTI, S60



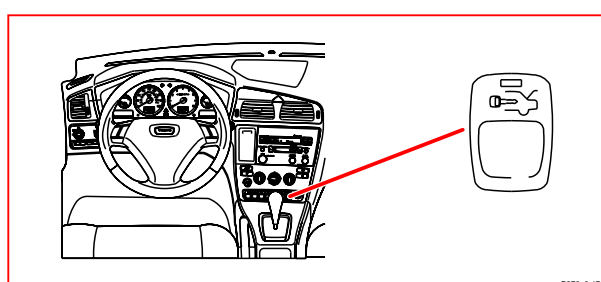
3/171 Switch, retractable door mirrors



3/135 Switch, RTI, S80



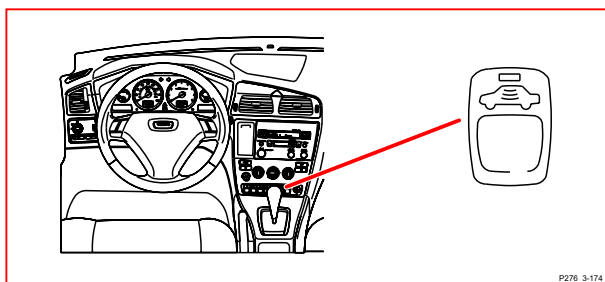
3/173 Switch, trunk lid private lock



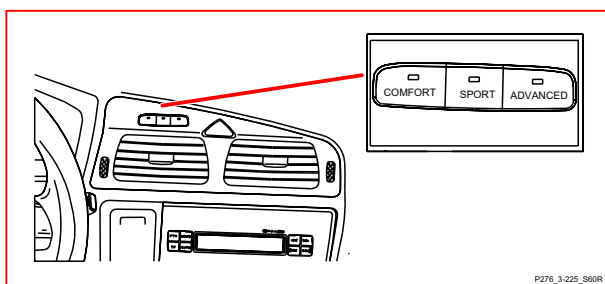
Component illustrations

3/174 - 4/31

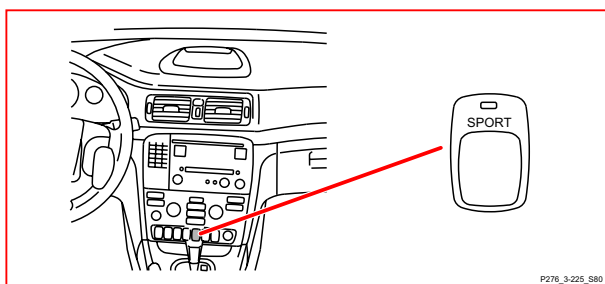
3/174 Switch, reduced alarm



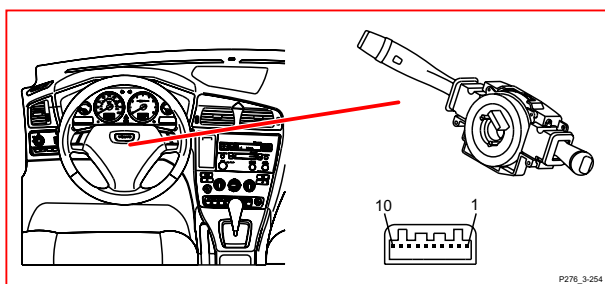
3/225 Switch unit, Continuously Controlled Damping (CCD), S60R



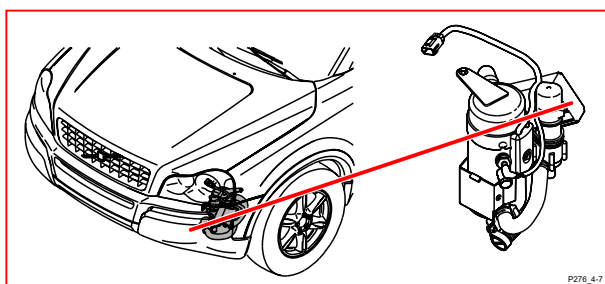
3/225 Switch unit, Continuously Controlled Damping (CCD), S80



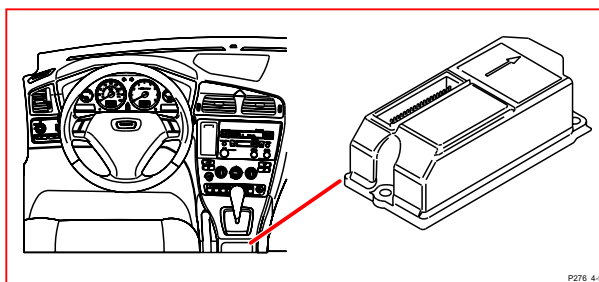
3/254 Steering Wheel Module (SWM)



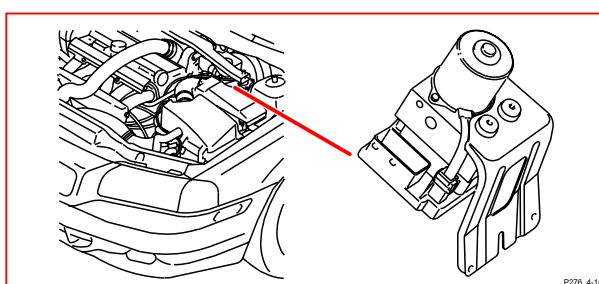
4/7 Combustion Preheater Module (CPM)



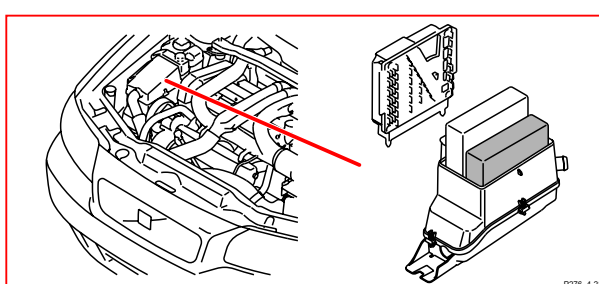
4/9 Supplemental Restraint System (SRS)



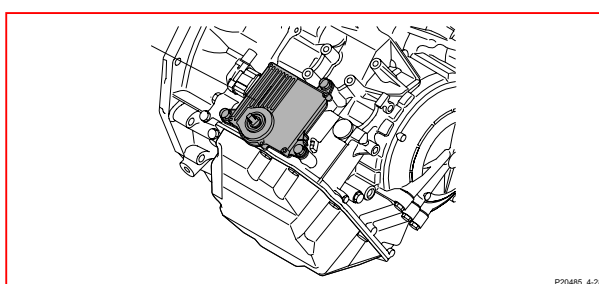
4/16 Brake Control Module (BCM)



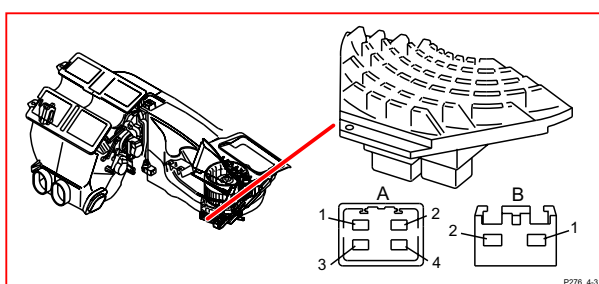
4/28 Transmission Control Module (TCM)



4/28 Transmission Control Module (TCM), TF80-SC/AWD



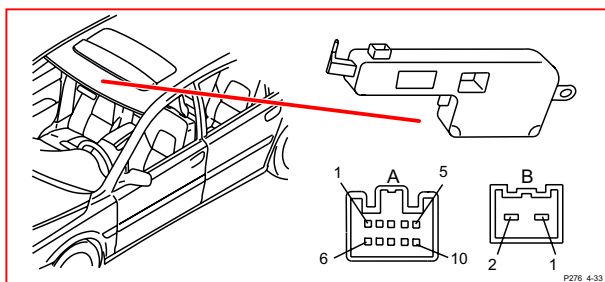
4/31 Fan control module



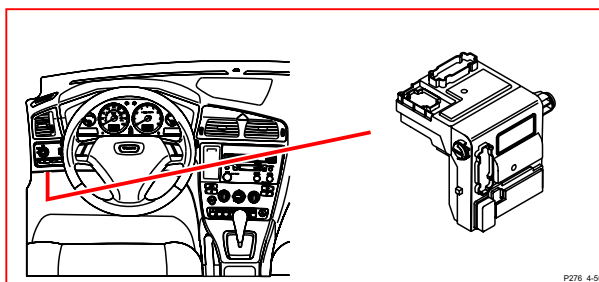
Component illustrations

4/33 - 4/71

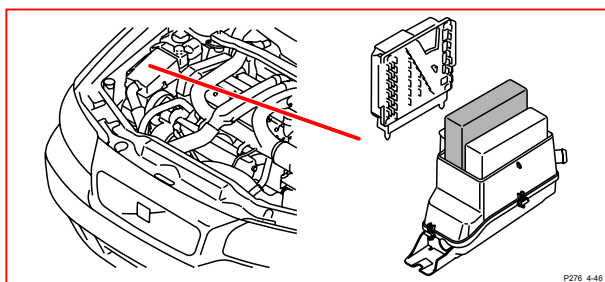
4/33 Sunroof Module (SRM)



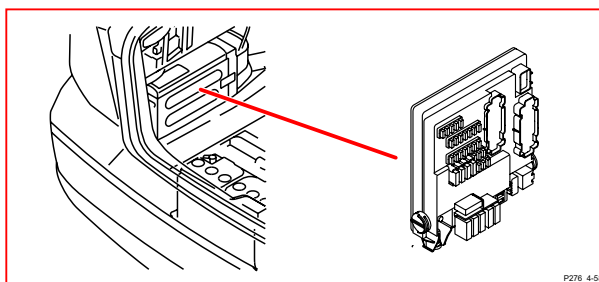
4/56 Central Electronic Module (CEM)



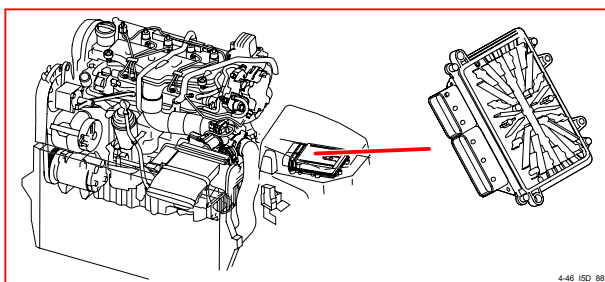
4/46 Engine Control Module (ECM)



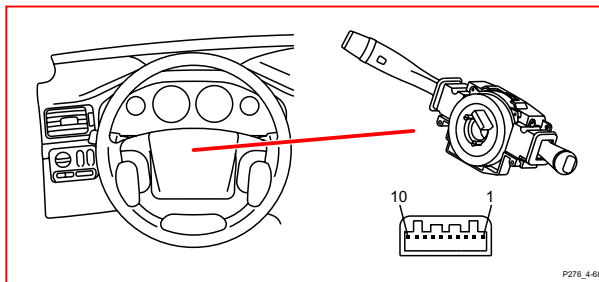
4/58 Rear Electronic Module (REM)



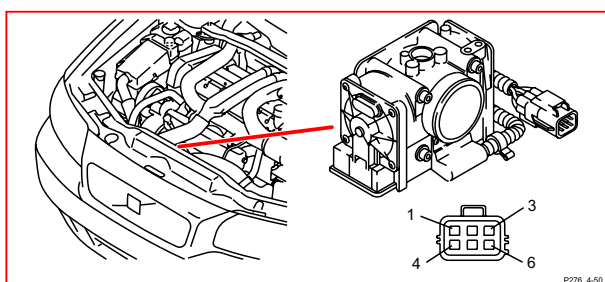
4/46 Engine Control Module (ECM), I5D



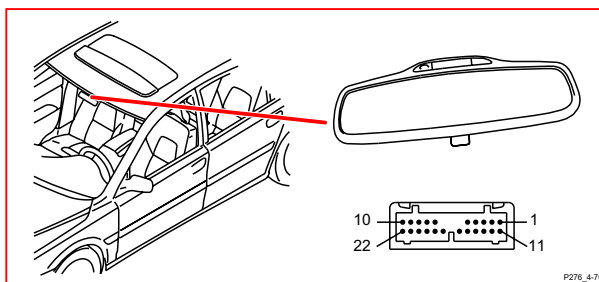
4/68 Steering Wheel Angle Sensor Module (SAS)



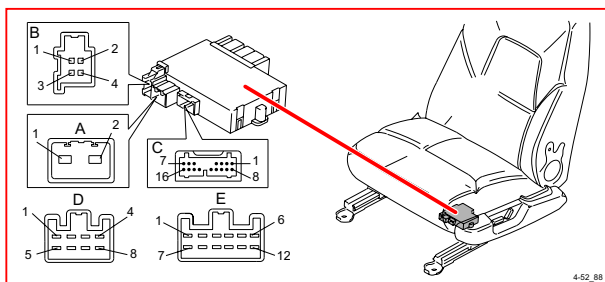
4/50 Electronic Throttle Module (ETM)



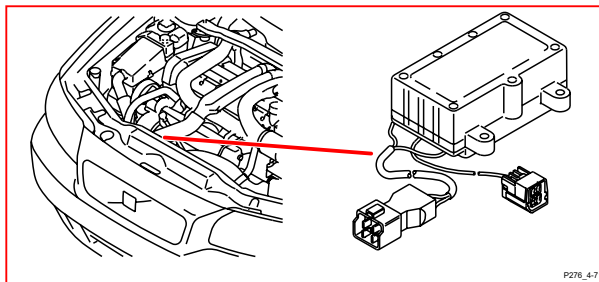
4/70 Upper Electronic Module (UEM)



4/52 Power Seat Module (PSM)



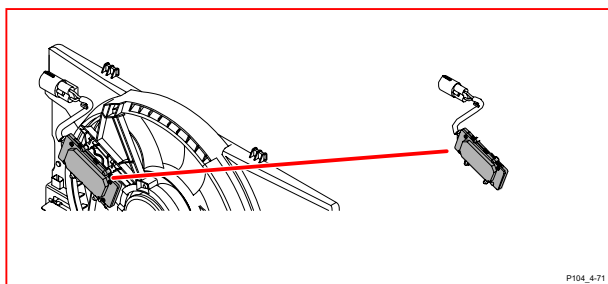
4/71 Cooling fan control module



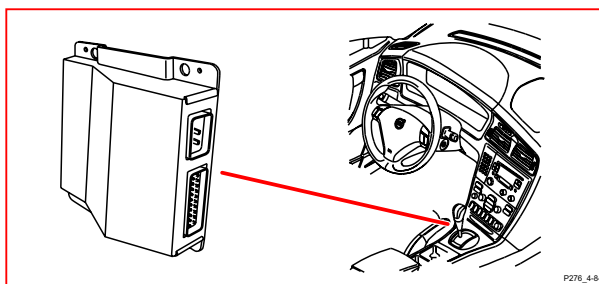
Component illustrations

4/71 - 4/107

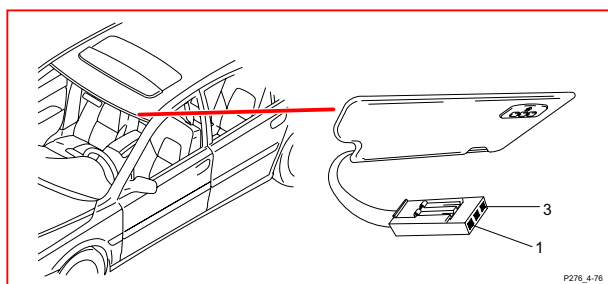
4/71 Cooling fan control module, I5D



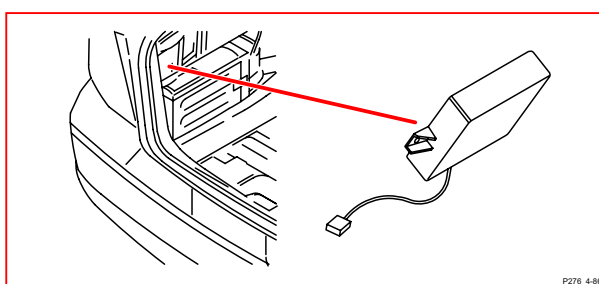
4/84 Suspension Module (SUM)



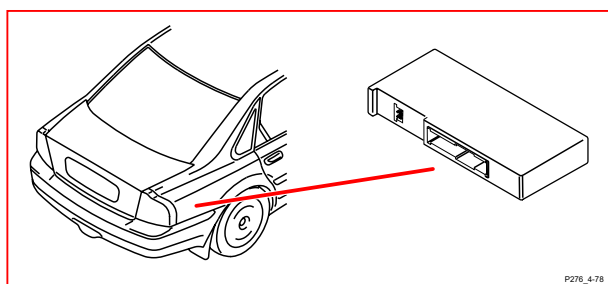
4/76 Remote control unit for garage door opener



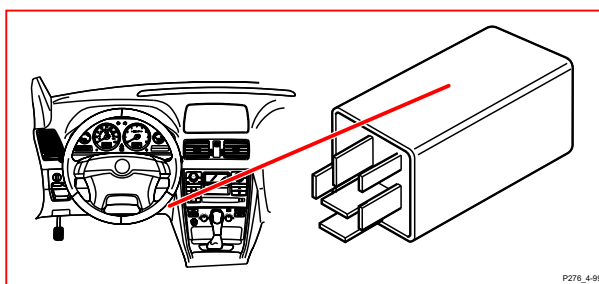
4/86 Parking Assistance Module (PAM)



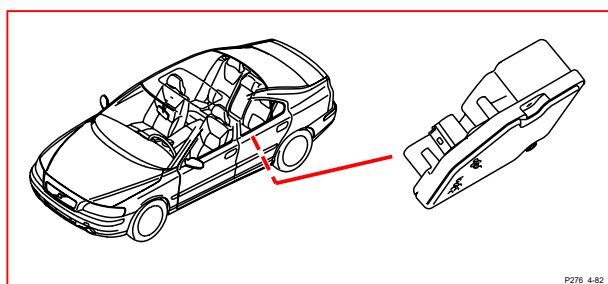
4/78 Accessory Electronic Module (AEM)



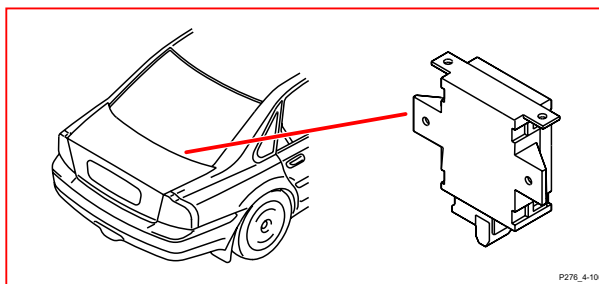
4/99 Electronic power steering control module



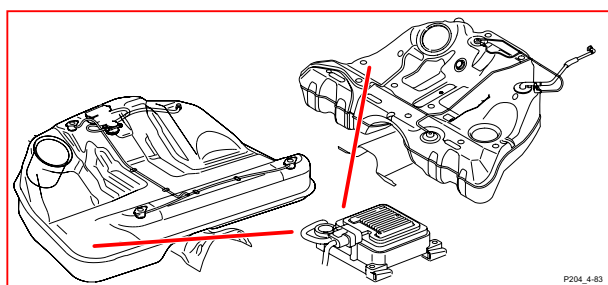
4/82 Differential Electronic Module (DEM)



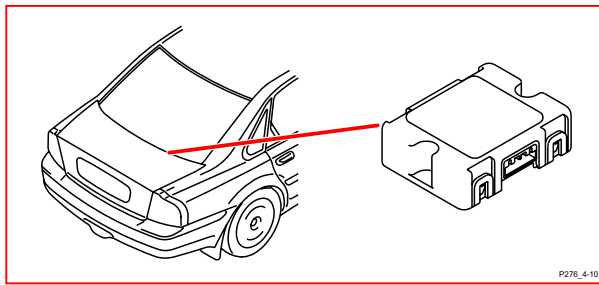
4/106 Control module, remote parking heater start



4/83 Fuel pump control module



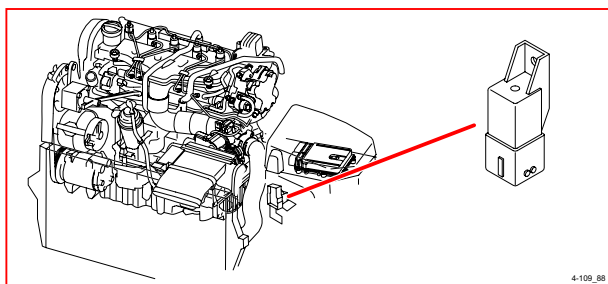
4/107 Control module, parking heater, Call start



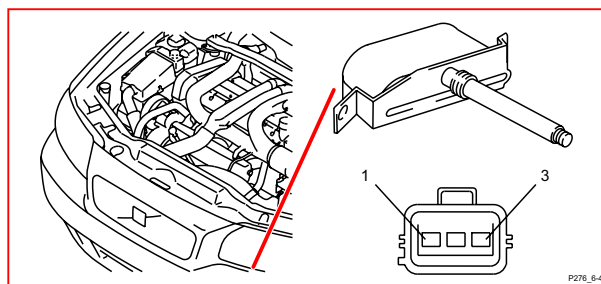
Component illustrations

4/109 - 6/18

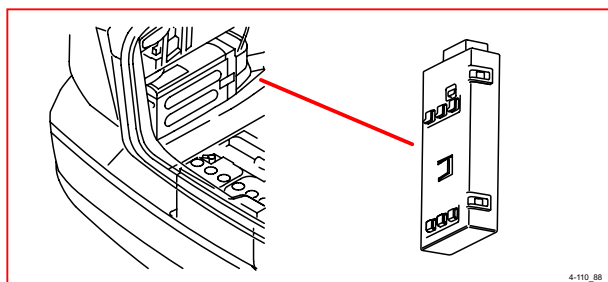
4/109 Glow plug control module



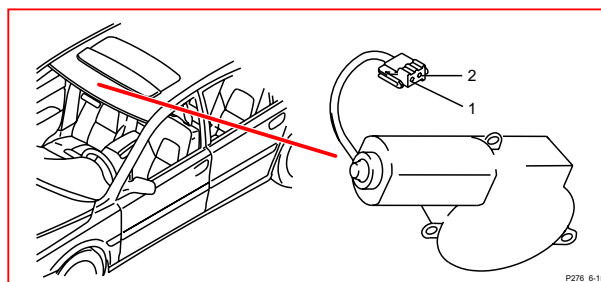
6/4 Left-hand headlight wiper motor



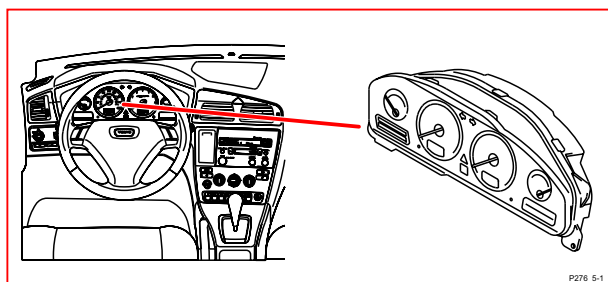
4/110 Trailer Module (TRM)



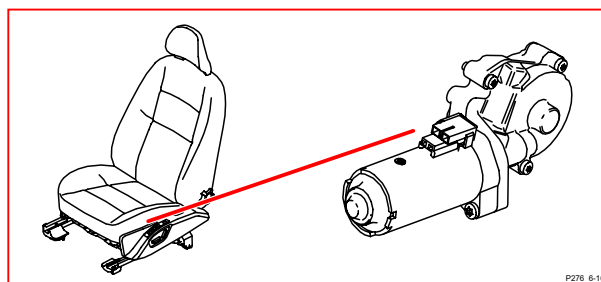
6/15 Sunroof motor



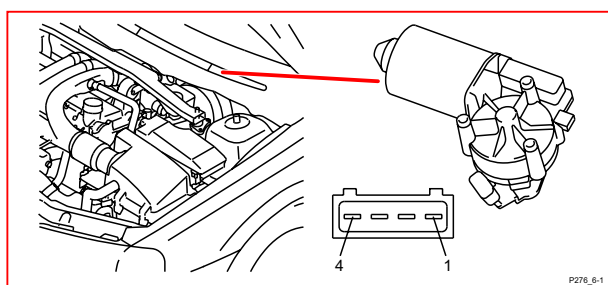
5/1 Driver Information Module (DIM)



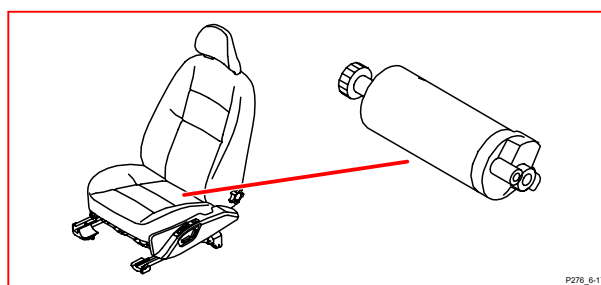
6/16 Driver seat motor, backrest angle



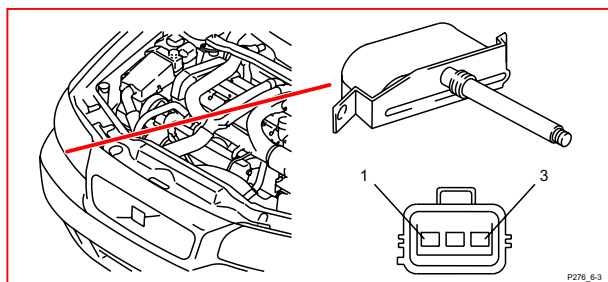
6/1 Windshield wiper motor



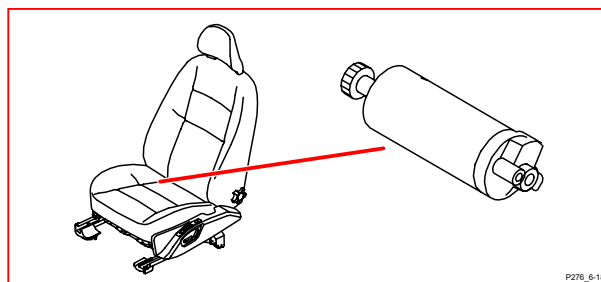
6/17 Driver seat motor, up/down front edge



6/3 Right-hand headlight wiper motor



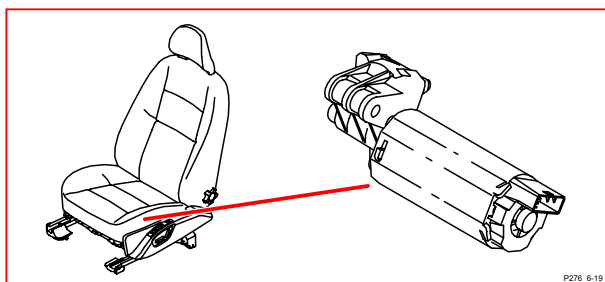
6/18 Driver seat motor, up/down rear edge



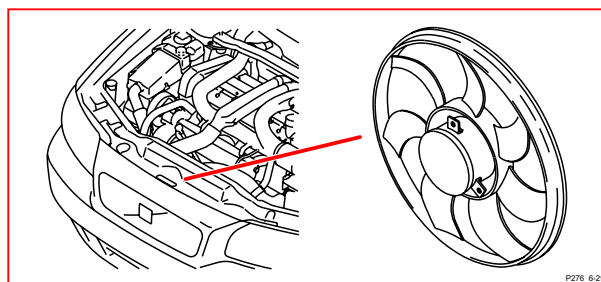
Component illustrations

6/19 - 6/37

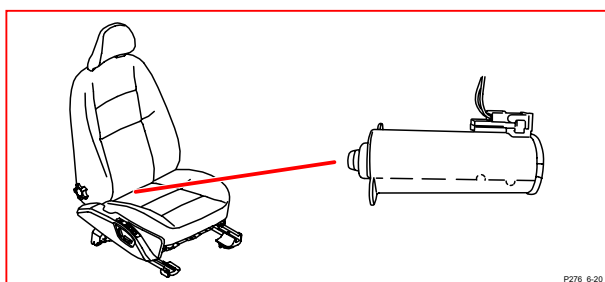
6/19 Driver seat motor, forward/backward



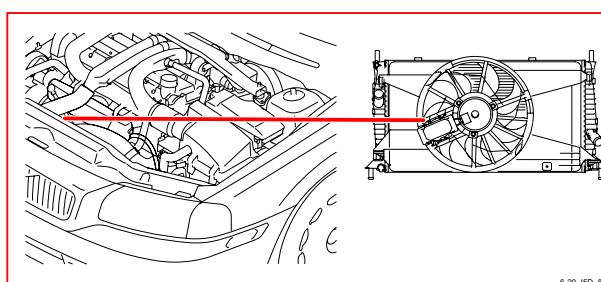
6/29 Motor, cooling fan



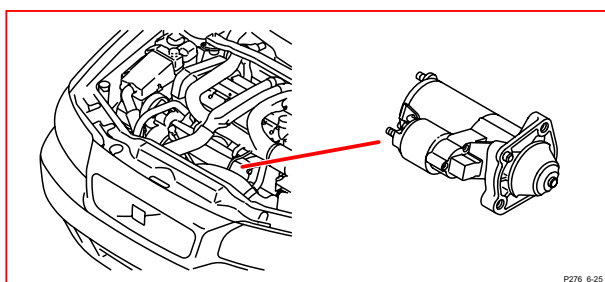
6/20 Passenger seat motor, forward/backward



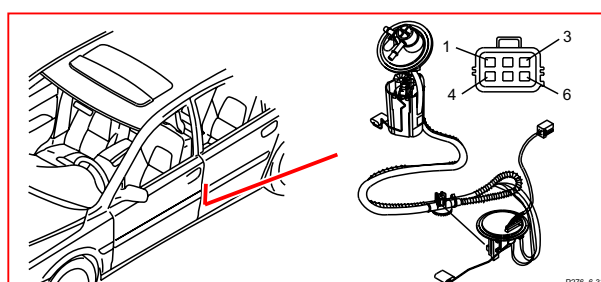
6/29 Cooling fan motor, I5D



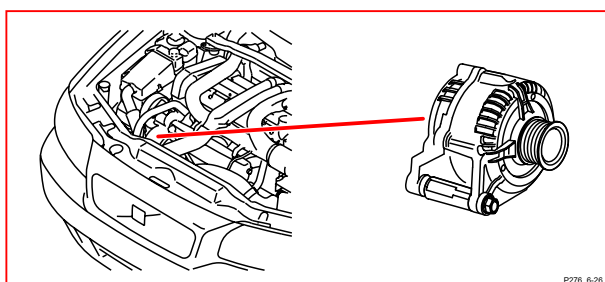
6/25 starter motor



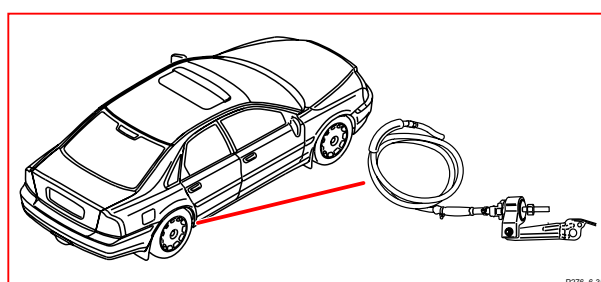
6/33 Fuel pump



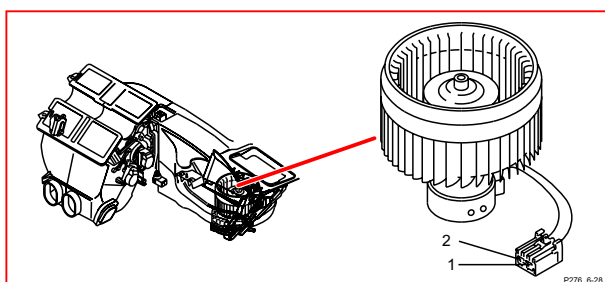
6/26 Alternator Control Module (ACM)



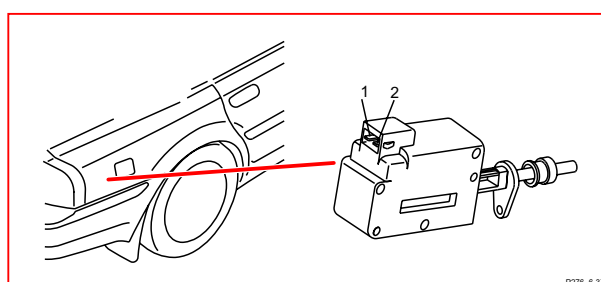
6/35 Fuel pump, auxiliary heater



6/28 Motor, passenger compartment fan



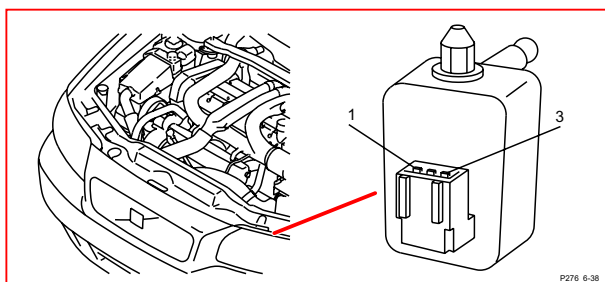
6/37 Lock motor, fuel filler cover



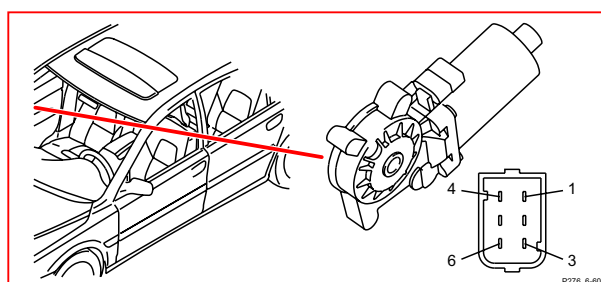
Component illustrations

6/38 - 6/65

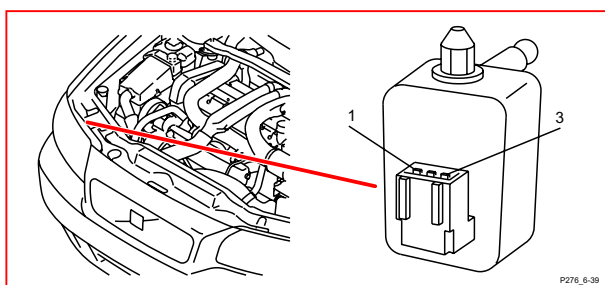
6/38 Left-hand headlight level adjustment motor



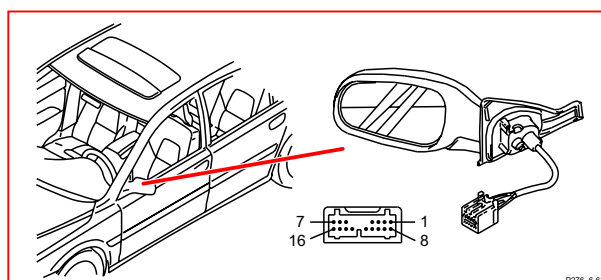
6/60 Motor, front right power window



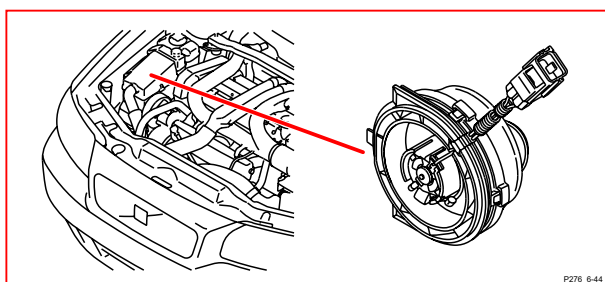
6/39 Right-hand headlight level adjustment motor



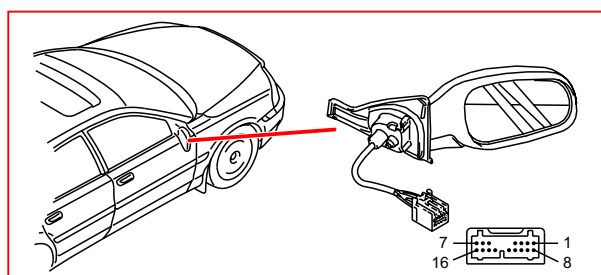
6/62 Left power door mirror



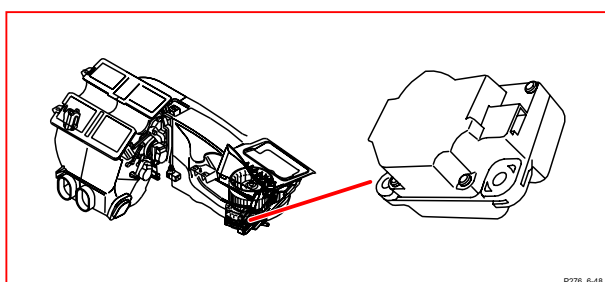
6/44 Cooling fan, electrics box, engine compartment



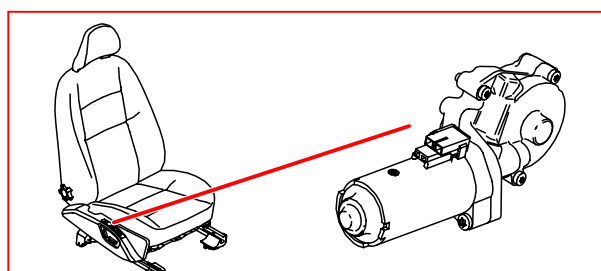
6/63 Right power door mirror



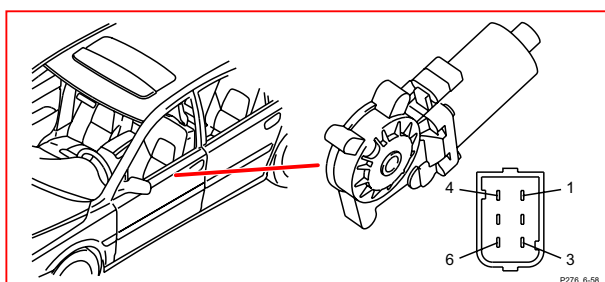
6/48 Damper Motor Module (DMM), recirculation



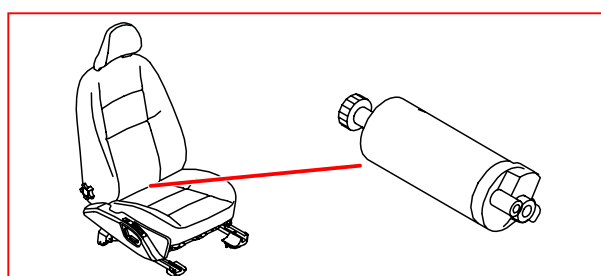
6/64 Passenger seat motor, backrest angle



6/58 Motor, front left power window



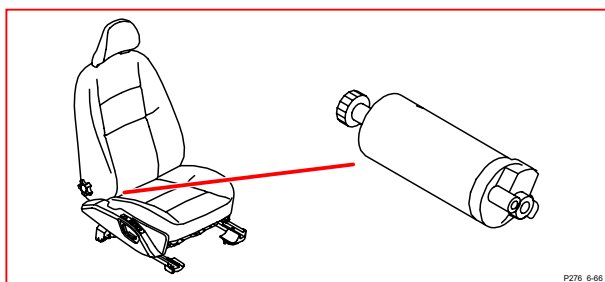
6/65 Passenger seat motor, up/down front edge



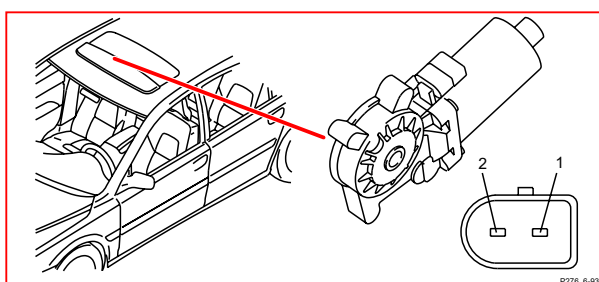
Component illustrations

6/66 - 6/103

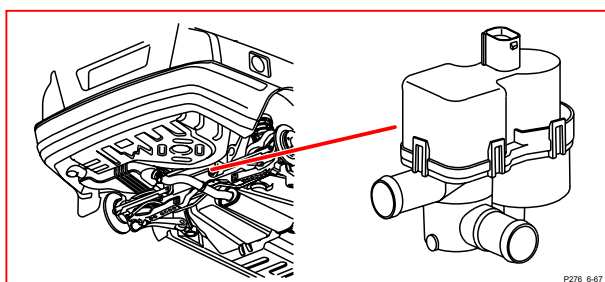
6/66 Passenger seat motor, up/down rear edge



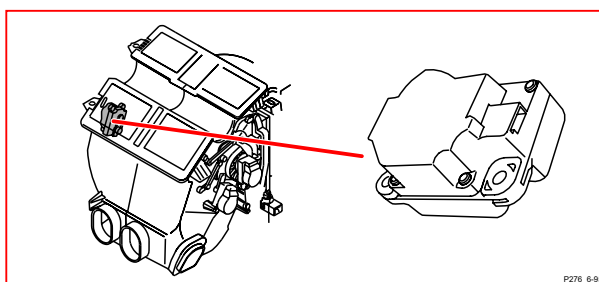
6/93 Motor, rear right power window



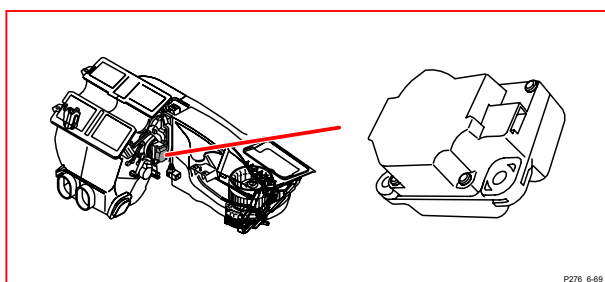
6/67 Pump, fuel leakage control



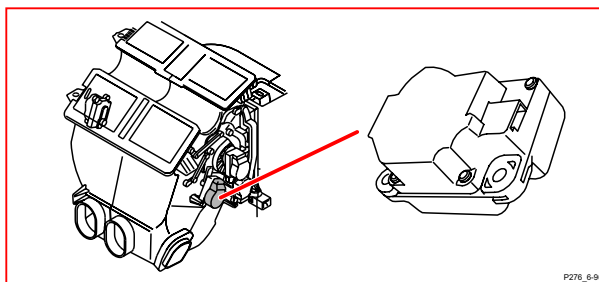
6/95 Damper Motor Module (DMM), temperature, left



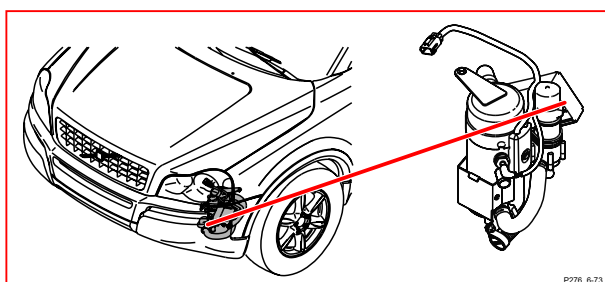
6/69 Damper Motor Module (DMM)



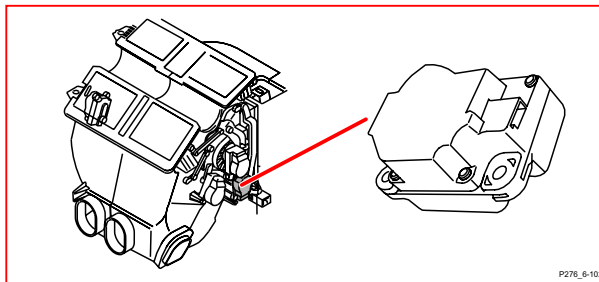
6/96 Damper Motor Module (DMM), temperature, right



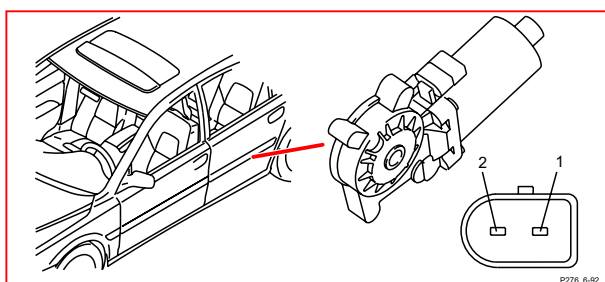
6/73 Coolant pump, auxiliary heater



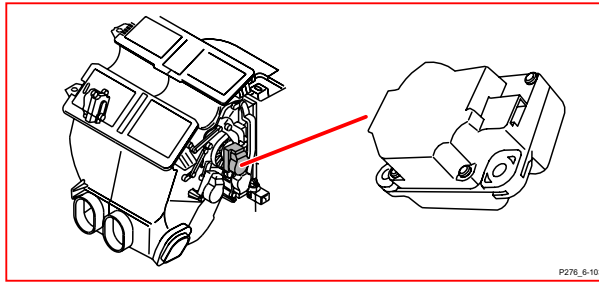
6/102 Damper Motor Module (DMM), defroster



6/92 Motor, rear left power window



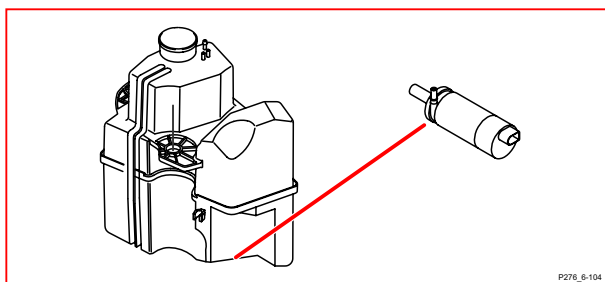
6/103 Damper Motor Module (DMM), floor/ventilation



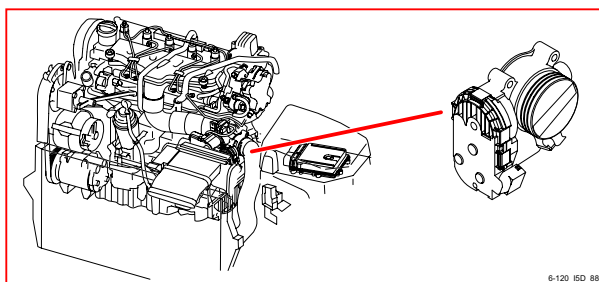
Component illustrations

6/104 - 7/5

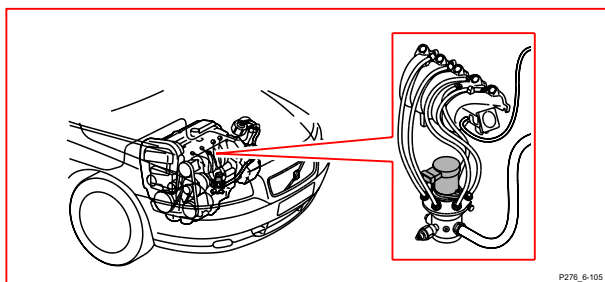
6/104 High pressure headlight washer motor



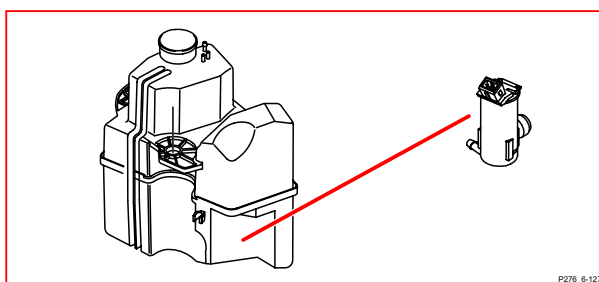
6/120 Throttle body motor, I5D



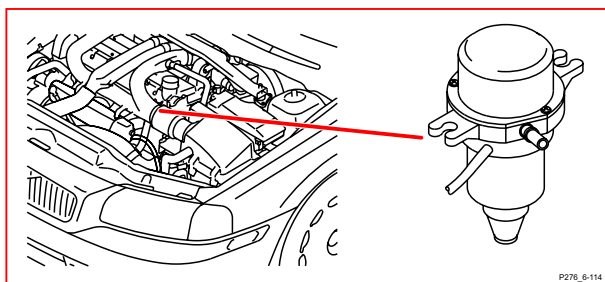
6/105 Fuel distributor, gas



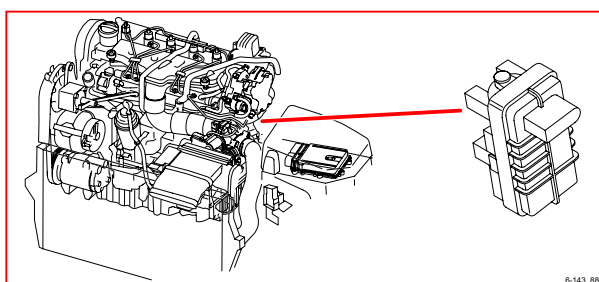
6/127 Washer motor



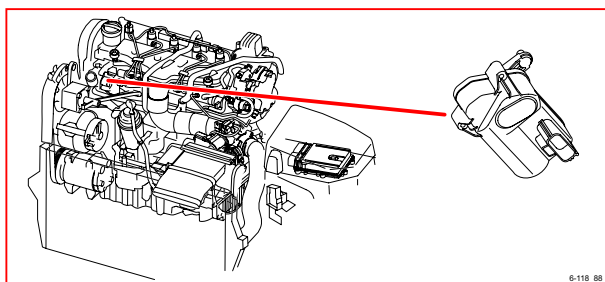
6/114 Vacuum pump



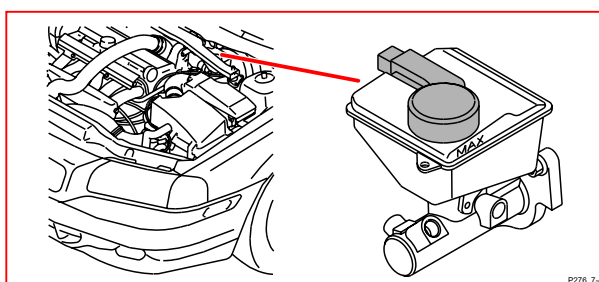
6/143 Regulator motor, turbo



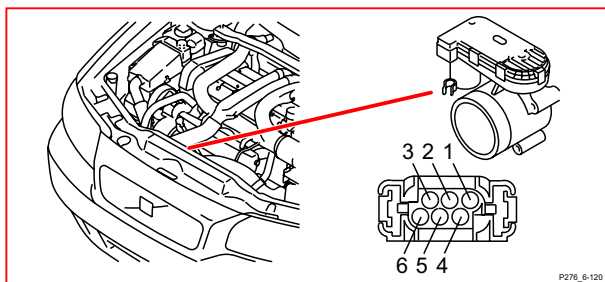
6/118 Regulator motor, swirl throttle



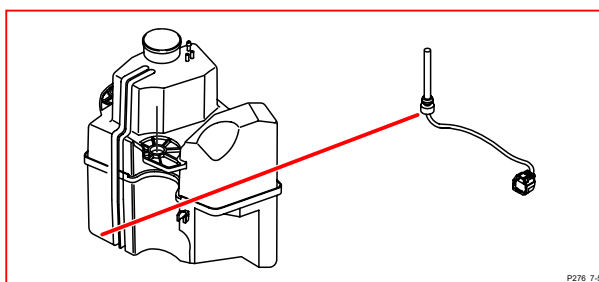
7/4 Brake fluid level sensor



6/120 Engine throttle body



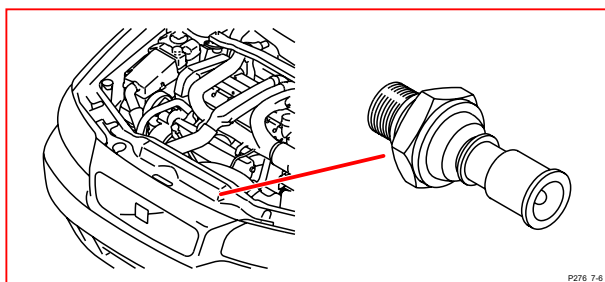
7/5 Washer fluid level sensor



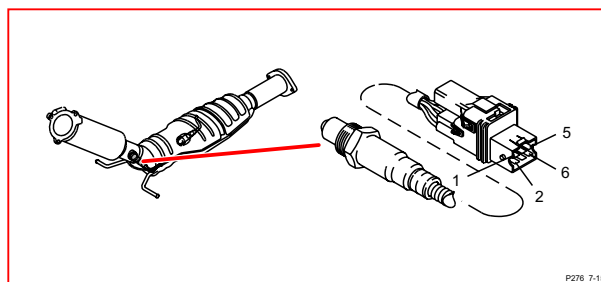
Component illustrations

7/6 - 7/17

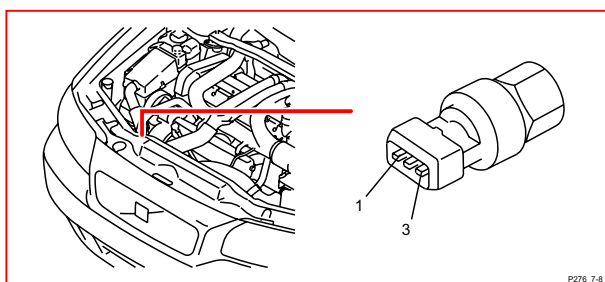
7/6 Oil pressure sensor



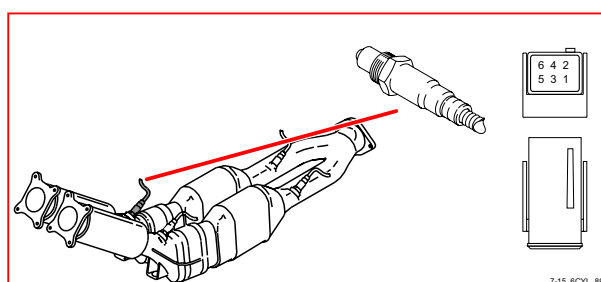
7/15 Heated oxygen sensor, front



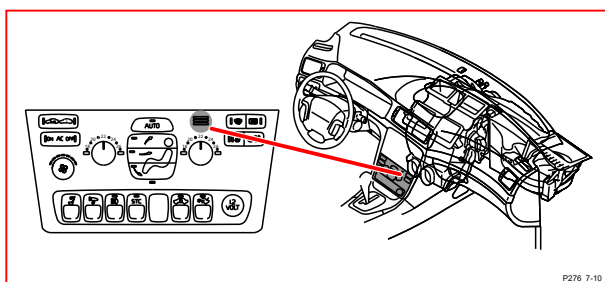
7/8 Pressure sensor, climate control system



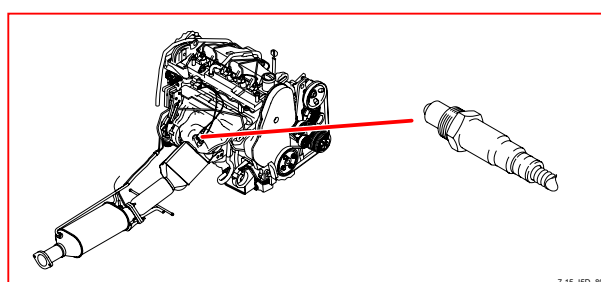
7/15 Front heated oxygen sensor, 6-cyl.



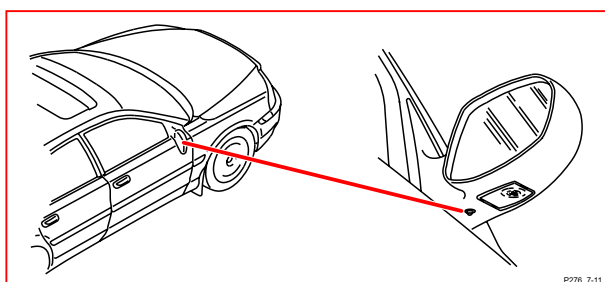
7/10 Interior temperature sensor



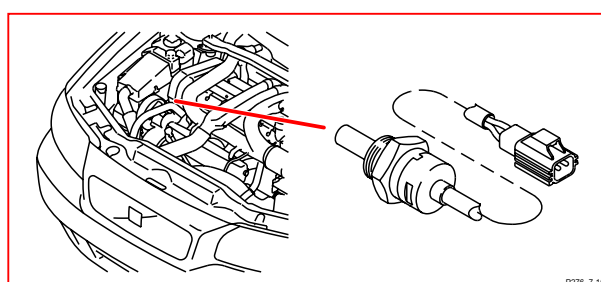
7/15 Front heated oxygen sensor, I5D



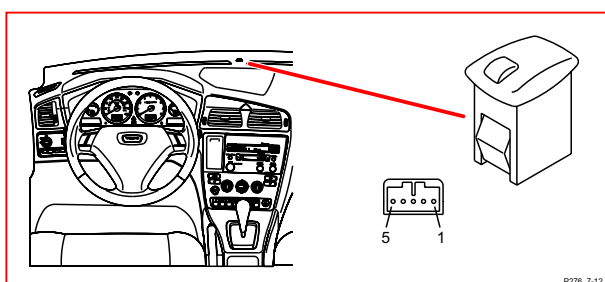
7/11 Outside temperature sensor



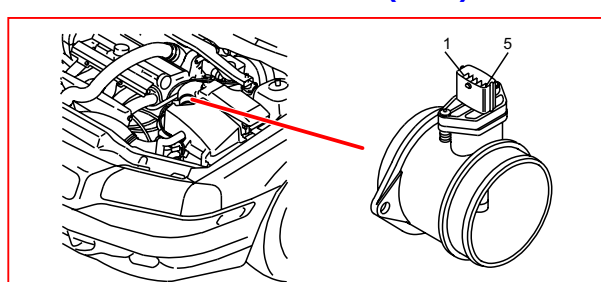
7/16 Coolant temperature sensor



7/12 Solar sensor, twilight sensor and indicator alarm



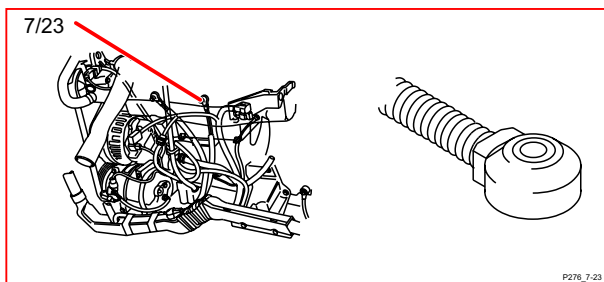
7/17 Mass airflow sensor (MAF)



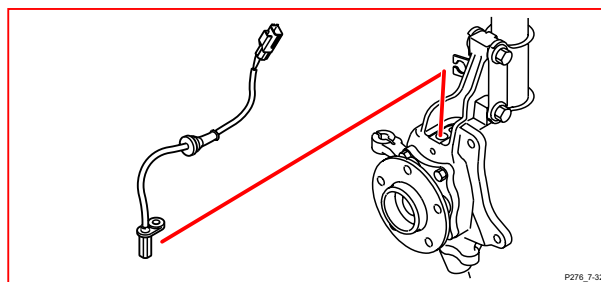
Component illustrations

7/23 - 7/56

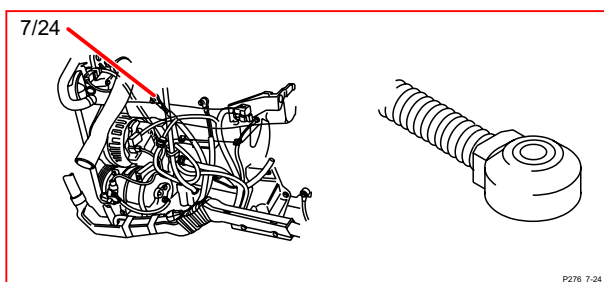
7/23 Rear knock sensor



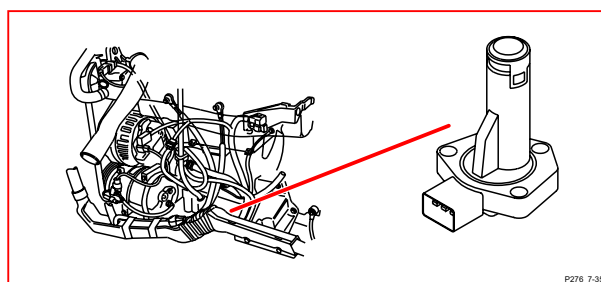
7/32 Right-hand front ABS sensor



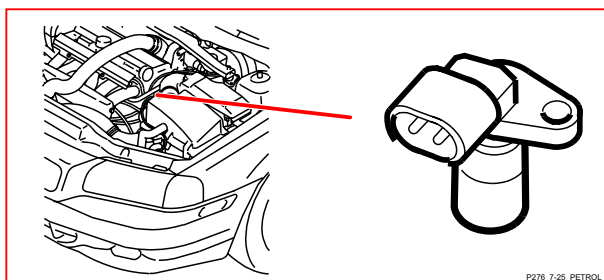
7/24 Front knock sensor



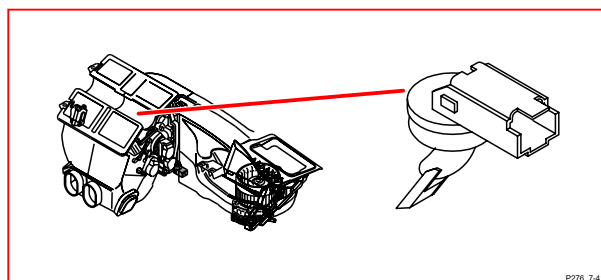
7/35 Oil level sensor



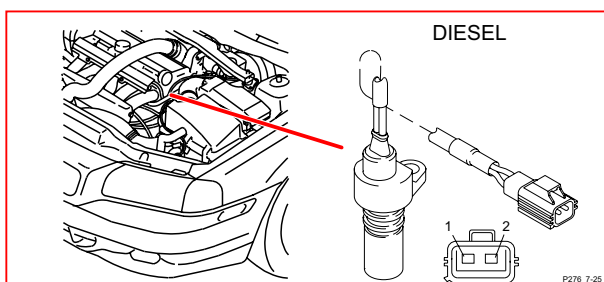
7/25 Impulse sensor, gasoline



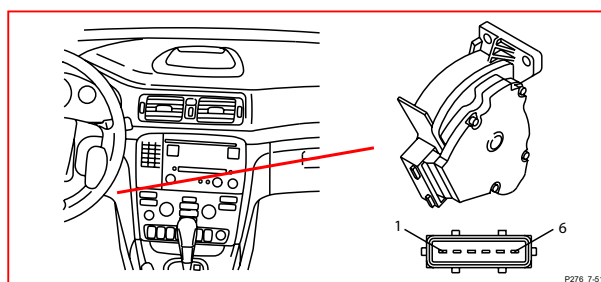
7/41 Temperature sensor, evaporator



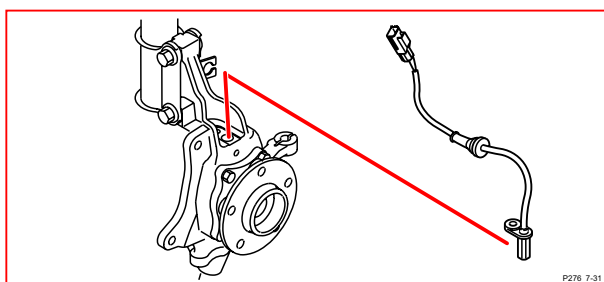
7/25 Impulse sensor, Diesel



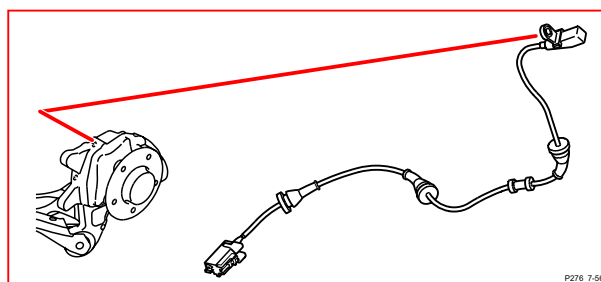
7/51 Accelerator pedal sensor



7/31 Left-hand front ABS sensor



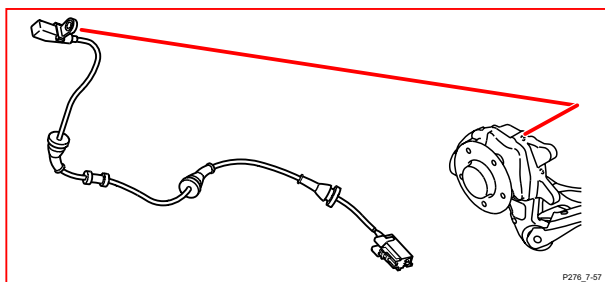
7/56 Left-hand rear ABS sensor



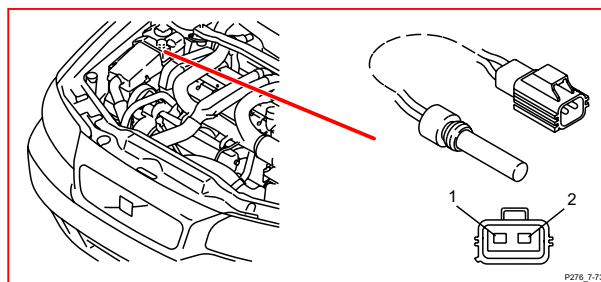
Component illustrations

7/57 - 7/82

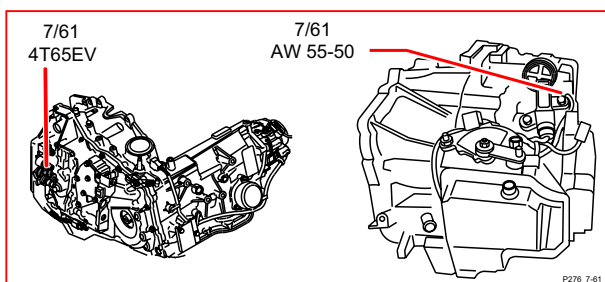
7/57 Right-hand rear ABS sensor



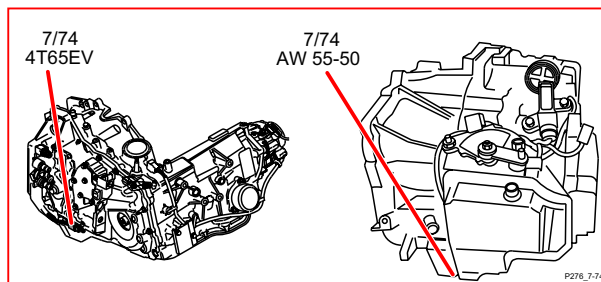
7/73 Coolant level sensor



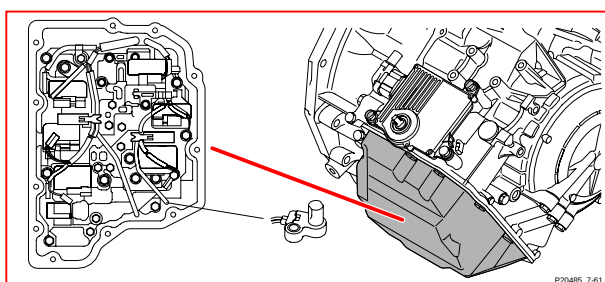
7/61 Input speed sensor



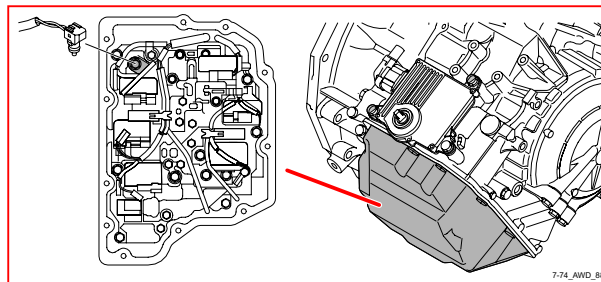
7/74 Fluid temperature sensor, automatic transmission



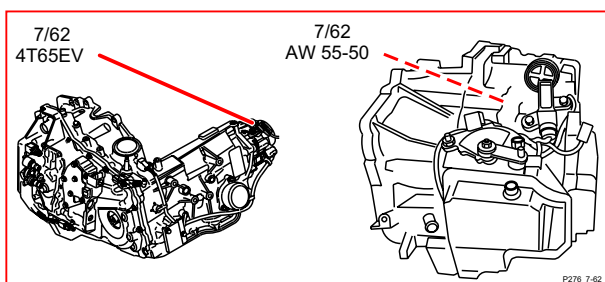
7/61 Input speed sensor, TF-80SC/AWD



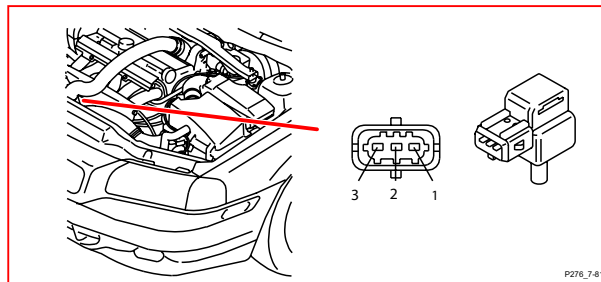
7/74 Fluid temperature sensor, automatic transmission, TF-80S/ AWD



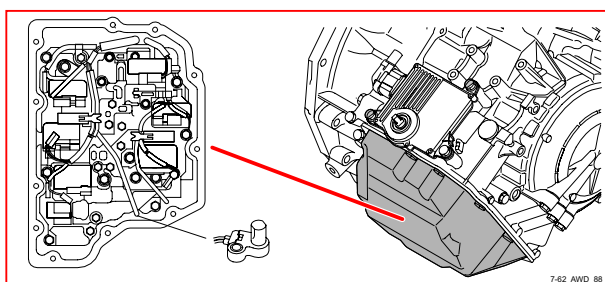
7/62 Output speed sensor



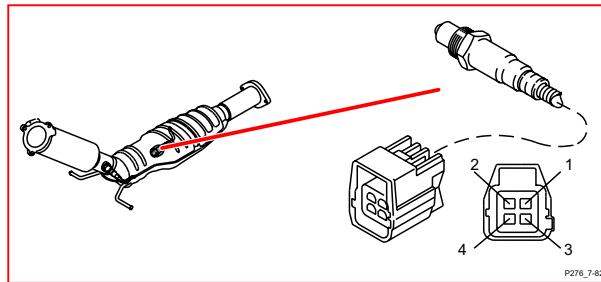
7/81 Pressure sensor, intake manifold



7/62 Output speed sensor, TF-80SC/AWD



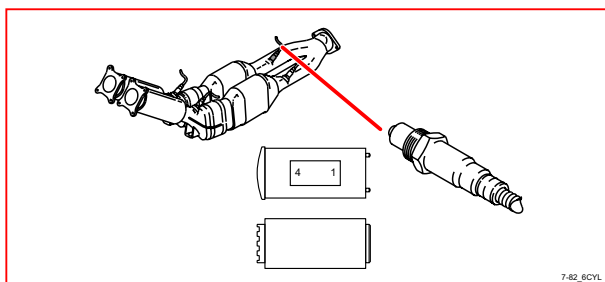
7/82 Heated oxygen sensor, rear



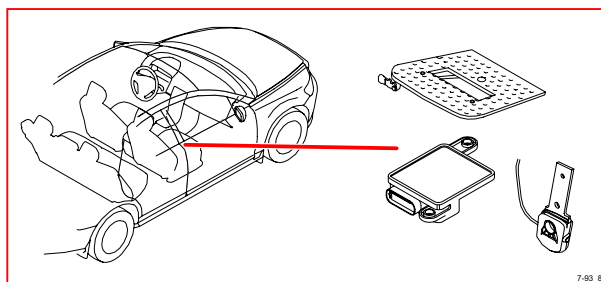
Component illustrations

7/82 - 7/105

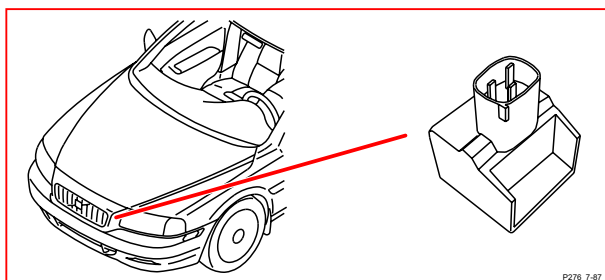
7/82 Rear heated oxygen sensor, 6-cyl.



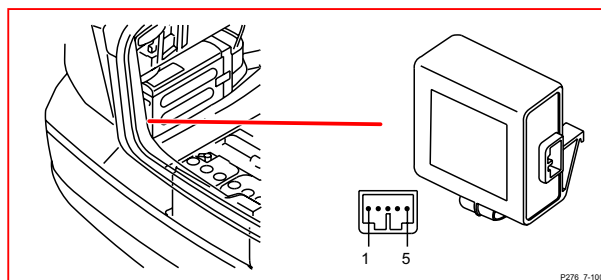
7/93 Occupant Weight Sensor (OWS)



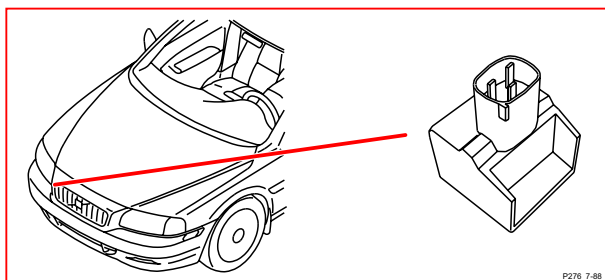
7/87 Acceleration sensor, Four-C, front left



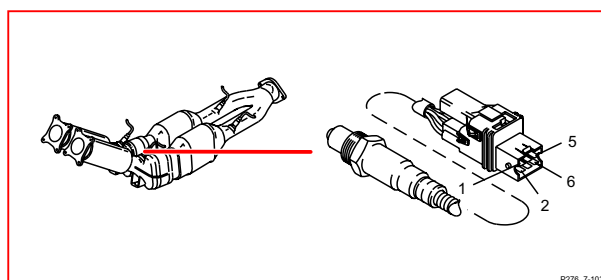
7/100 Inclination Sensor Module (ISM)



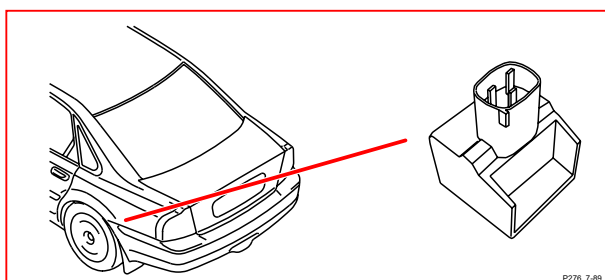
7/88 Acceleration sensor, Four-C, front right



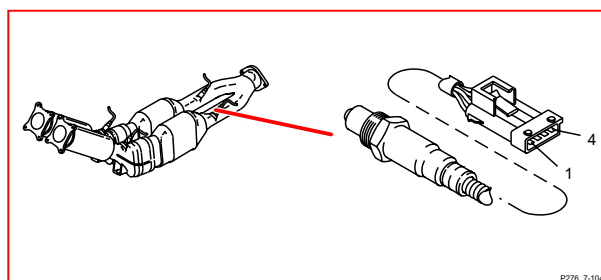
7/103 Heated oxygen sensor 3



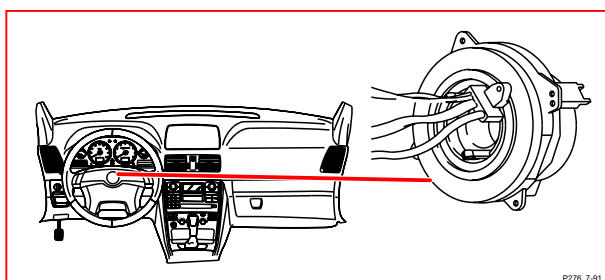
7/89 Acceleration sensor, Four-C, rear left



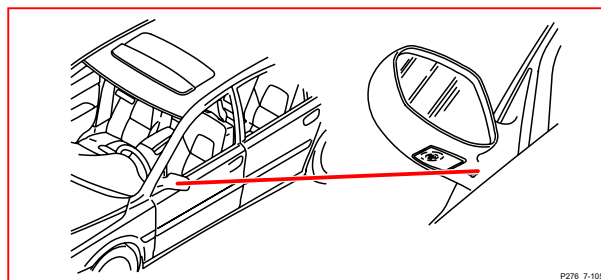
7/104 Heated oxygen sensor 4 (diagnostic sensor), S80



7/91 Steering angle sensor



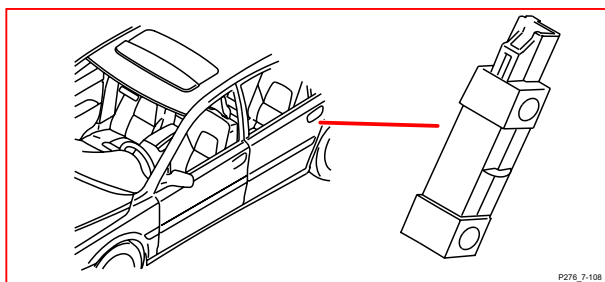
7/105 Outside temperature sensor, engine control module



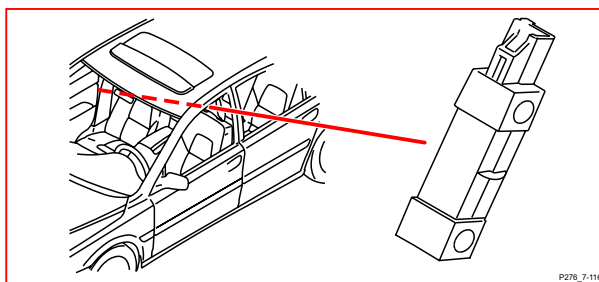
Component illustrations

7/108 - 7/121

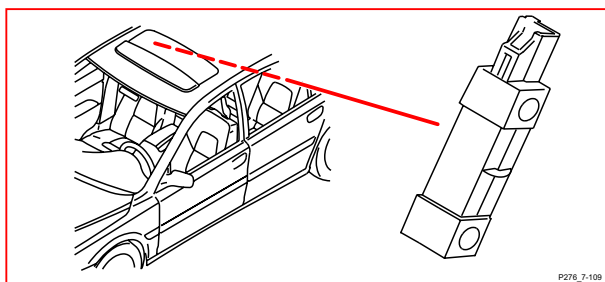
7/108 Left-hand rear side impact sensor



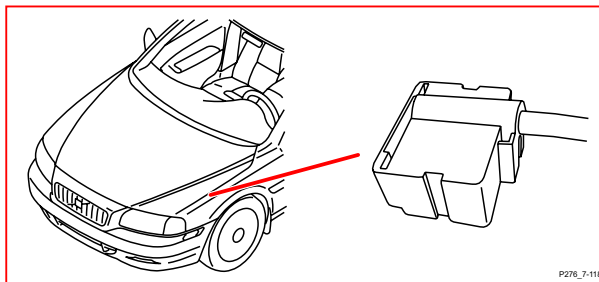
7/116 Right-hand front side impact sensor



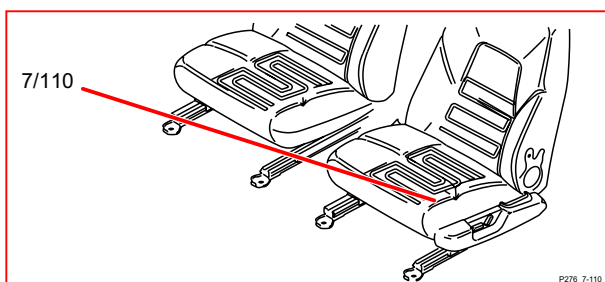
7/109 Right-hand rear side impact sensor



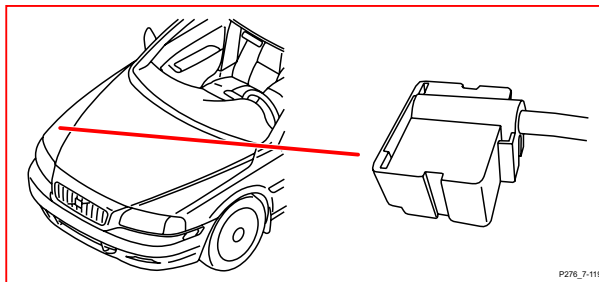
7/118 Acceleration sensor, shock absorber, Four-C, front left



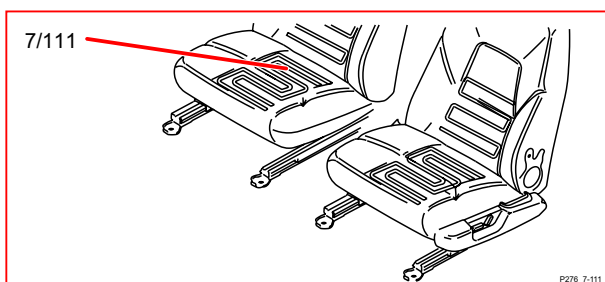
7/110 Left-hand seat temperature sensor



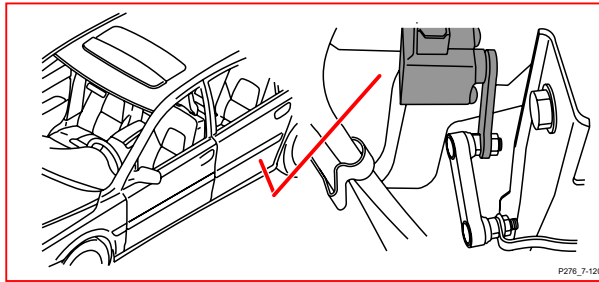
7/119 Acceleration sensor, shock absorber, Four-C, front right



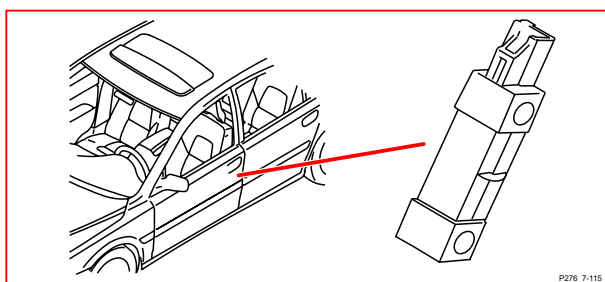
7/111 Right-hand seat temperature sensor



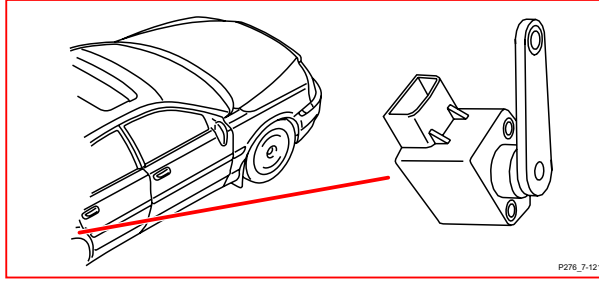
7/120 Rear left angle sensor, Four-C/Bi-Xenon



7/115 Left-hand front side impact sensor



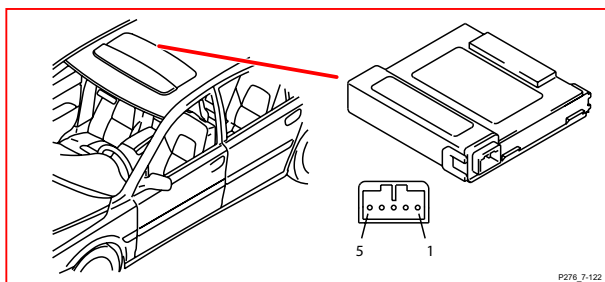
7/121 Rear right angle sensor, Four-C/Bi-Xenon



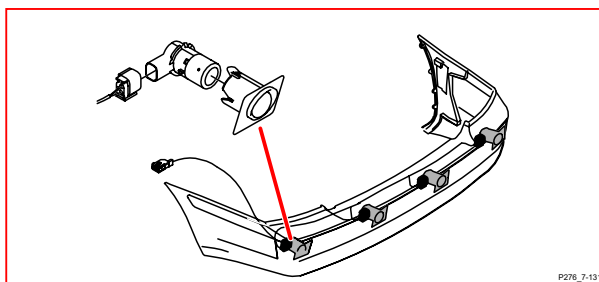
Component illustrations

7/122 - 7/139

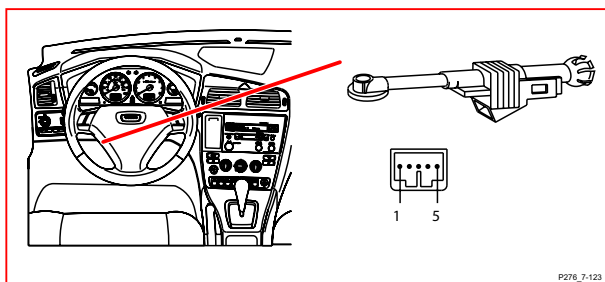
7/122 Mass movement sensor, front



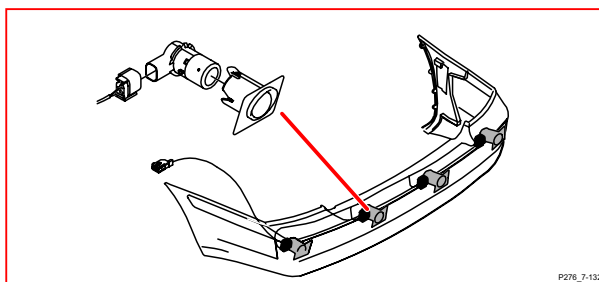
7/131 Parking assistance sensor, rear 1



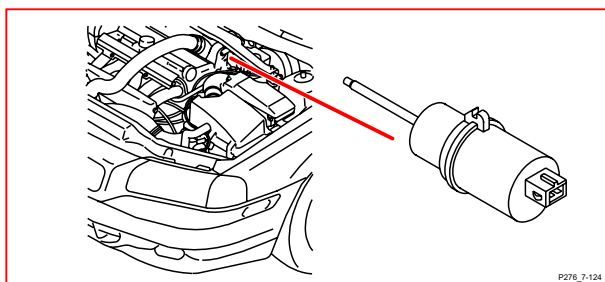
7/123 Clutch pedal sensor



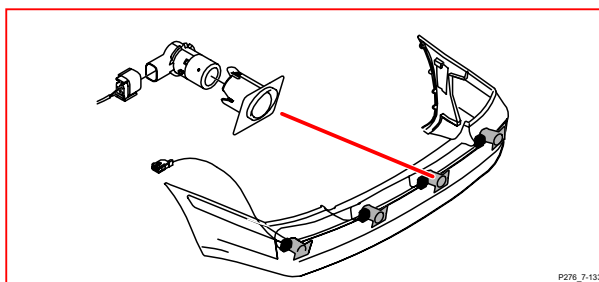
7/132 Parking assistance sensor, rear 2



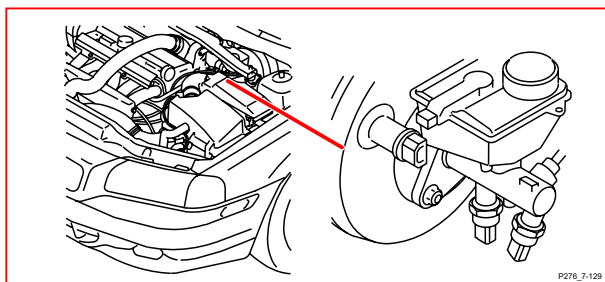
7/124 Brake pedal sensor



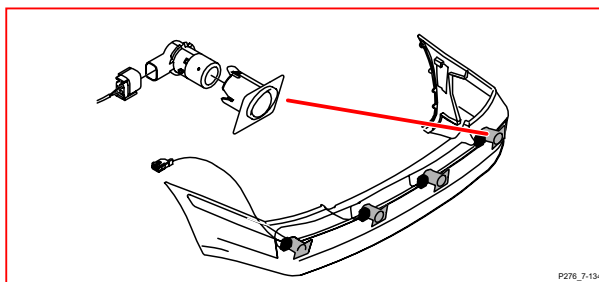
7/133 Parking assistance sensor, rear 3



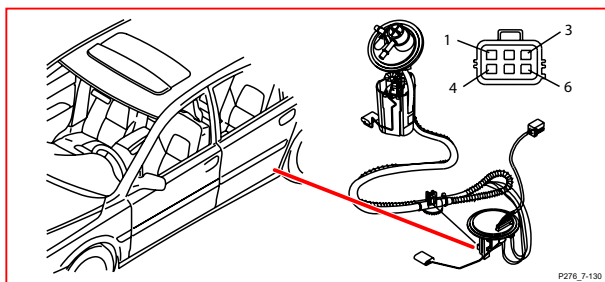
7/129 Brake pressure sensor 2



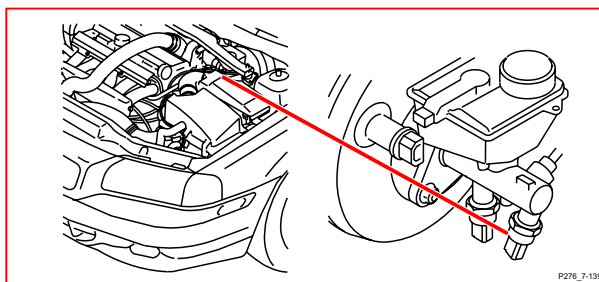
7/134 Parking assistance sensor, rear 4



7/130 Fuel level sensor, ejector side



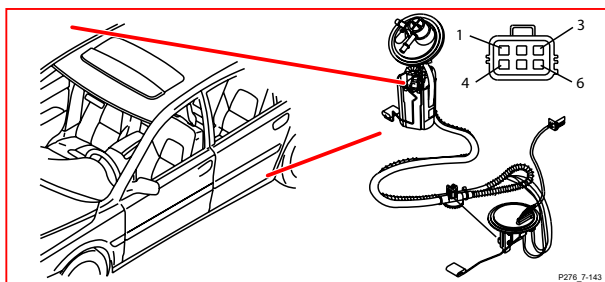
7/139 Brake pressure sensor 1



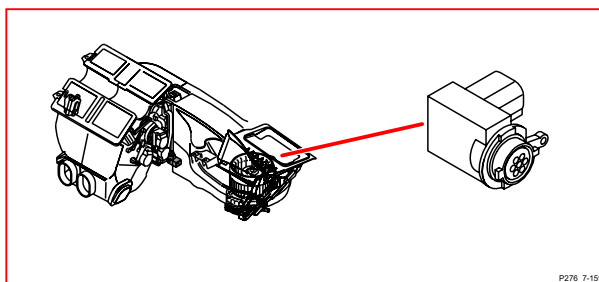
Component illustrations

7/143 - 7/165

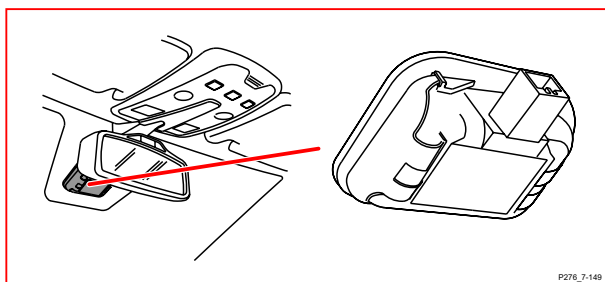
7/143 Fuel level sensor, pump side



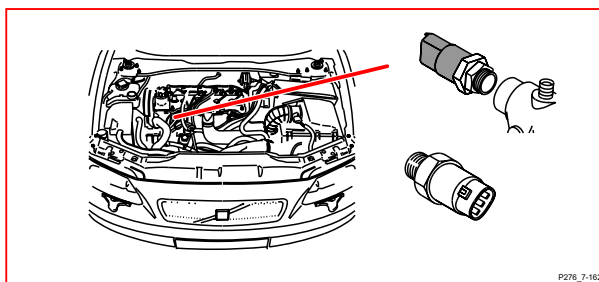
7/159 Air Quality Sensor (AQS)



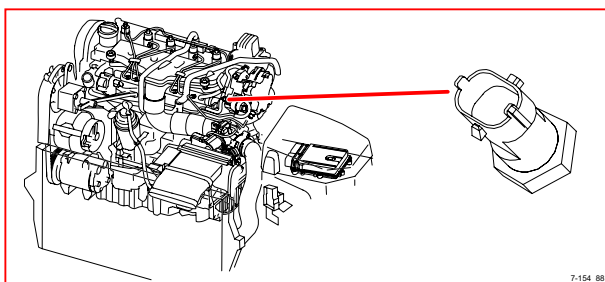
7/149 Rain Sensor Module (RSM)



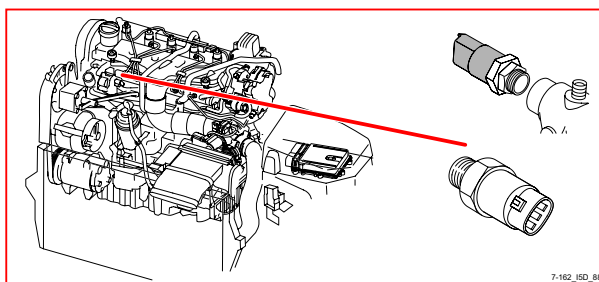
7/162 Pressure sensor, fuel line



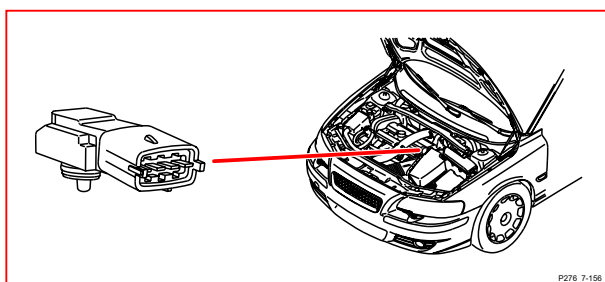
7/154 Fuel temperature sensor, I5D



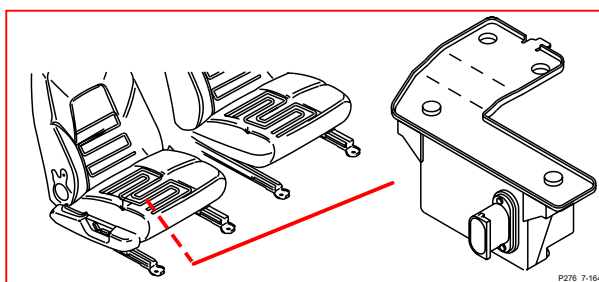
7/162 Pressure sensor, fuel rail, I5D



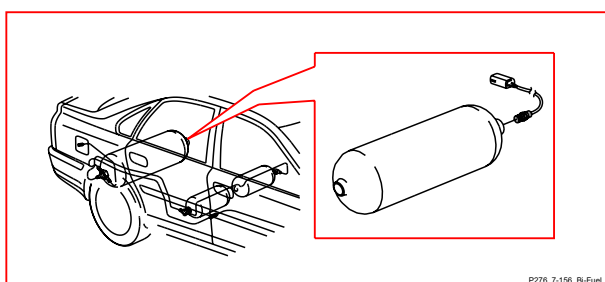
7/156 Pressure and temperature sensor, fuel



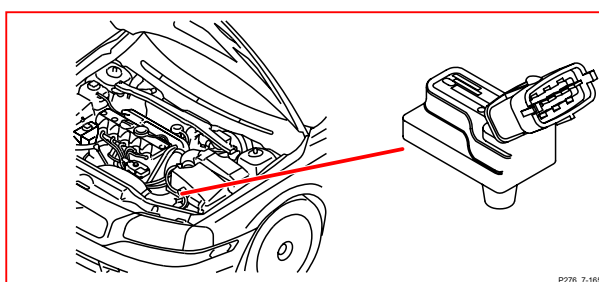
7/164 Body Sensor Cluster Stability Sensor (BSC)



7/156 Pressure and temperature sensor, Bi-Fuel



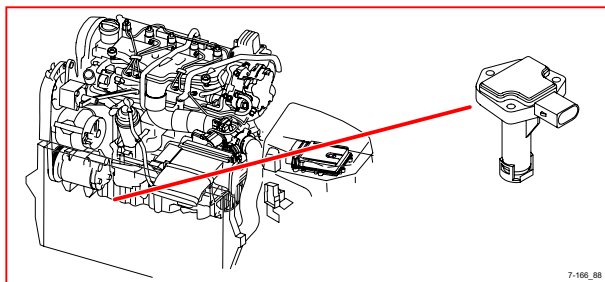
7/165 Pressure and temperature sensor, intake manifold



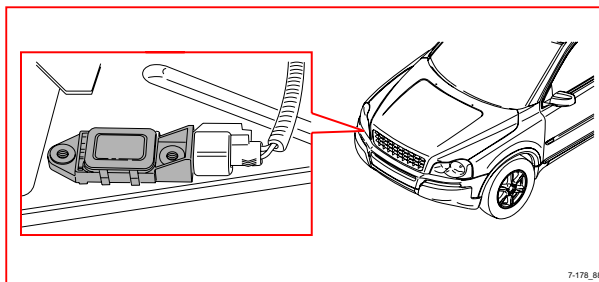
Component illustrations

7/166 - 7/201

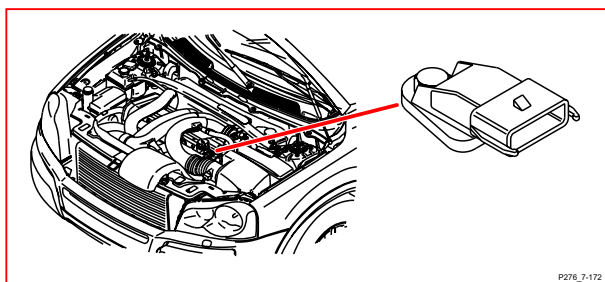
7/166 Oil level sensor, I5D



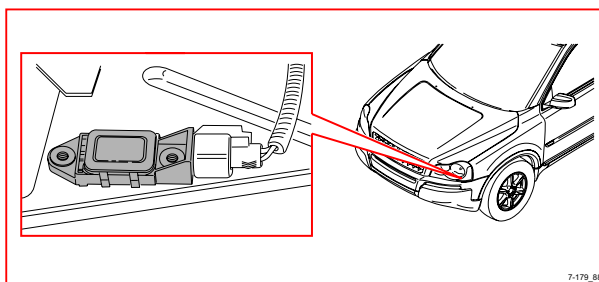
7/178 Front impact sensor, right



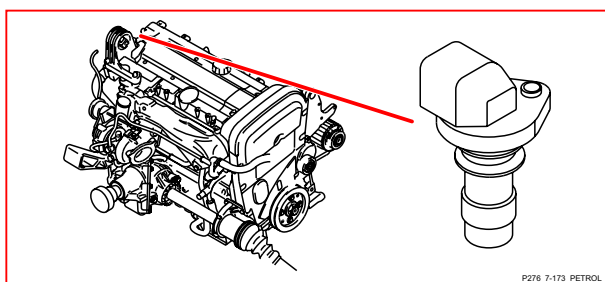
7/172 Camshaft position sensor, intake side



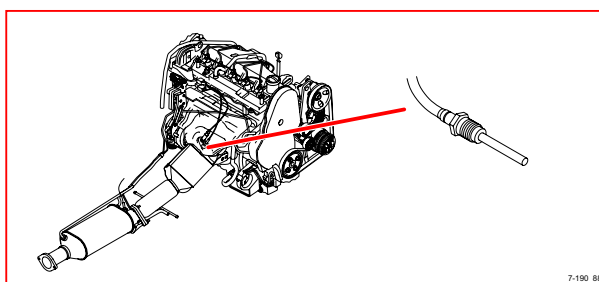
7/179 Front impact sensor, left



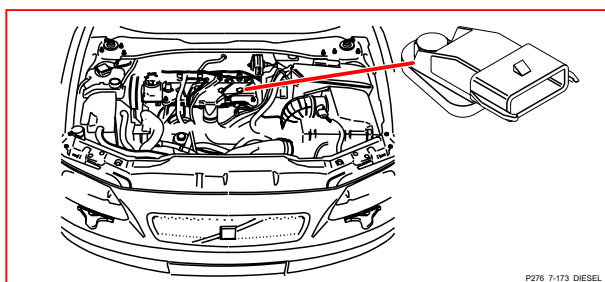
7/173 Camshaft position sensor, exhaust side



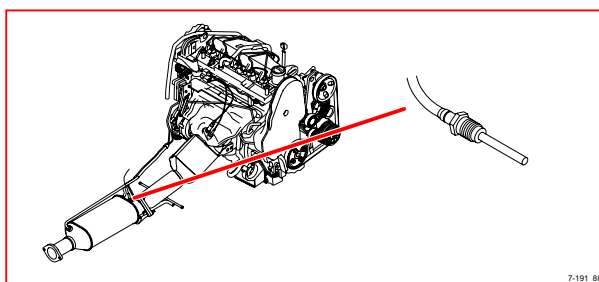
7/190 Temperature sensor, exhaust gases upstream of particle filter



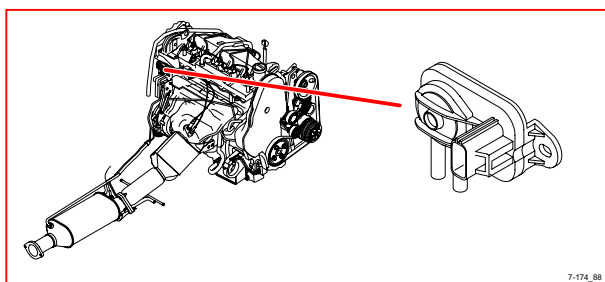
7/173 Camshaft position sensor, exhaust side, Diesel



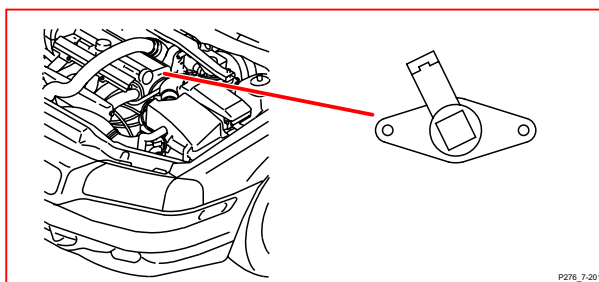
7/191 Temperature sensor, exhaust gases downstream of particle filter



7/174 Differential pressure sensor, particle filter



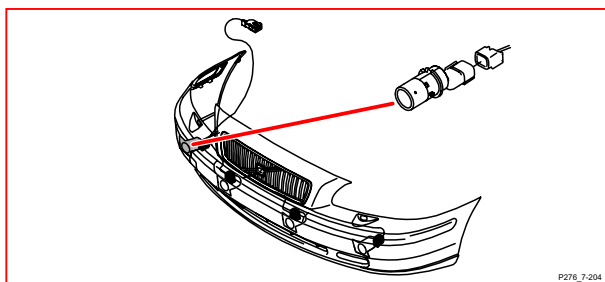
7/201 Pressure and temperature sensor, gas



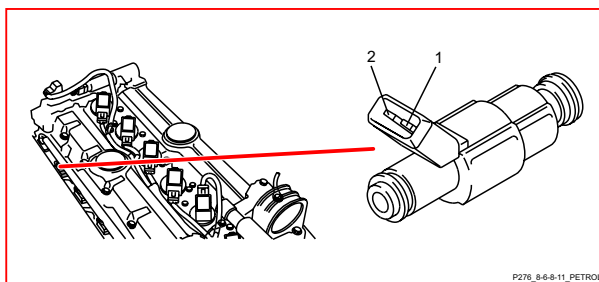
Component illustrations

7/204 - 8/19

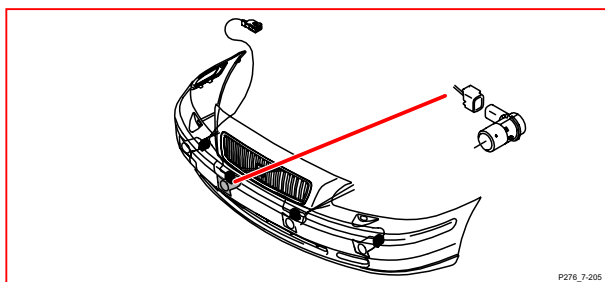
7/204 Parking assistance sensor, front 5



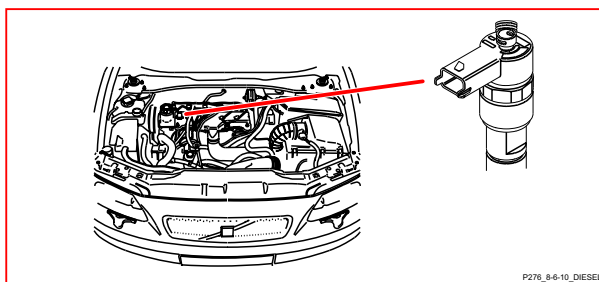
8/6-11 Injectors



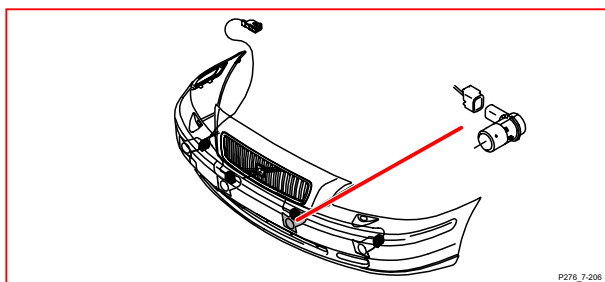
7/205 Parking assistance sensor, front 6



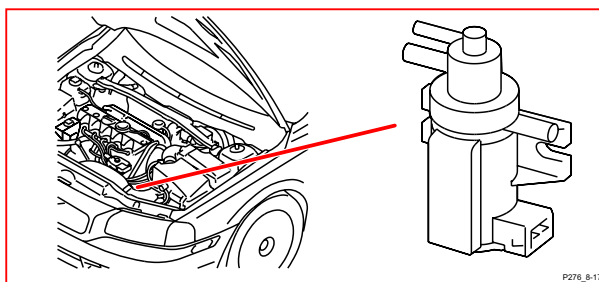
8/6-10 Injectors, Diesel



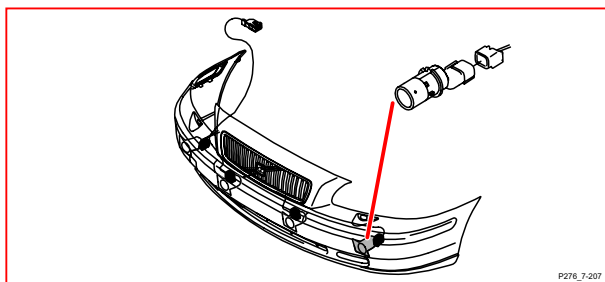
7/206 Parking assistance sensor, front 7



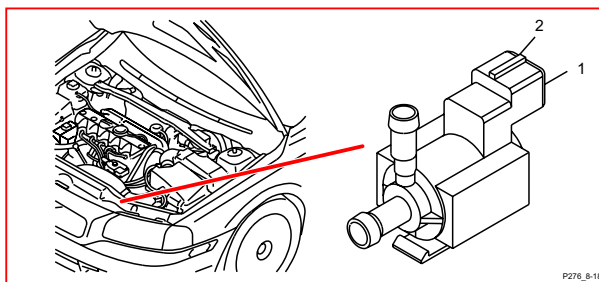
8/17 EGR valve, Diesel



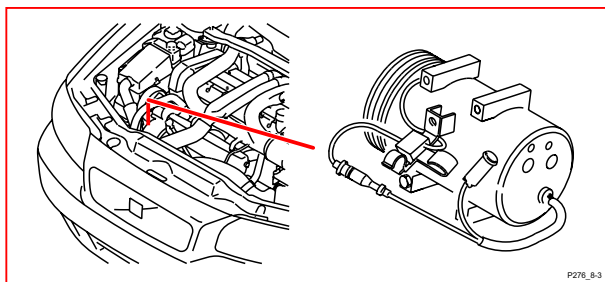
7/207 Parking assistance sensor, front 8



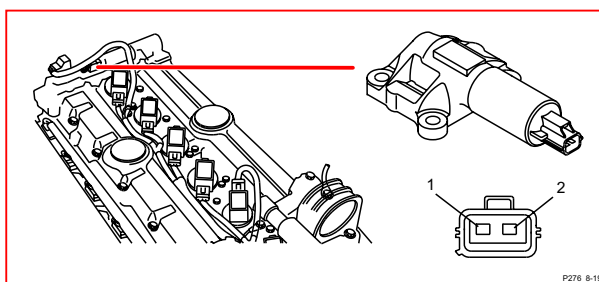
8/18 EVAP valve



8/3 Electromagnetic clutch, climate control system



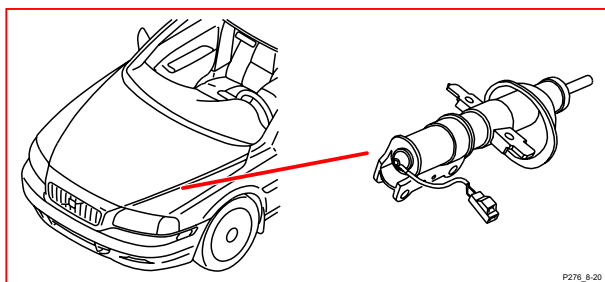
8/19 Solenoid, variable valve timing intake



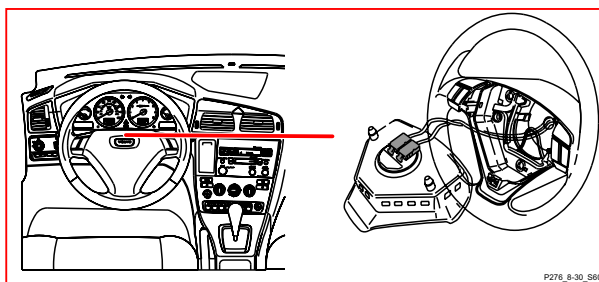
Component illustrations

8/20 - 8/33

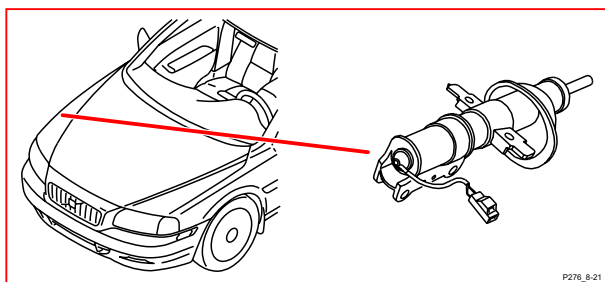
8/20 Shock absorber, Four-C, front left



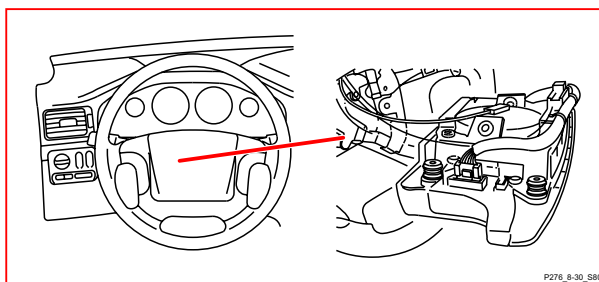
8/30 Driver's side airbag igniter S60



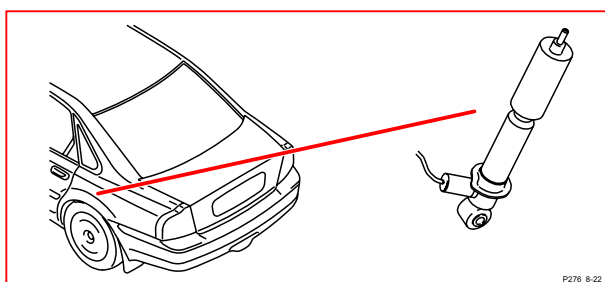
8/21 Shock absorber, Four-C, front right



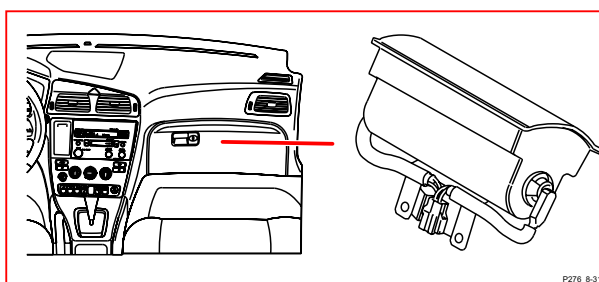
8/30 Driver's side airbag igniter S80



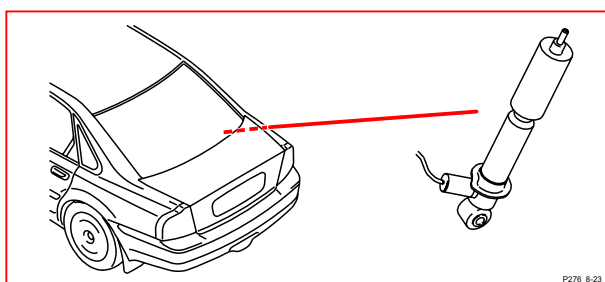
8/22 Shock absorber, Four-C, rear left



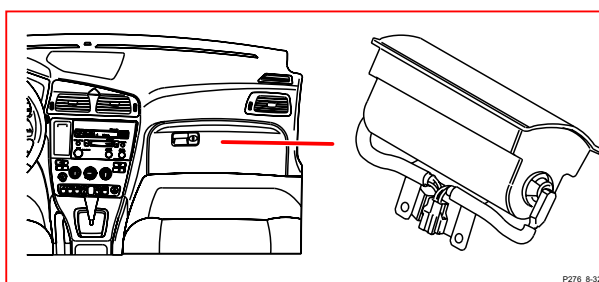
8/31 Passenger side airbag igniter



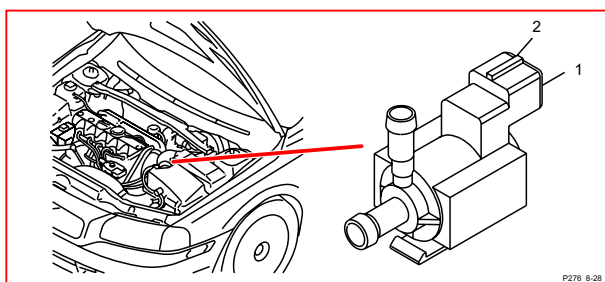
8/23 Shock absorber, Four-C, rear right



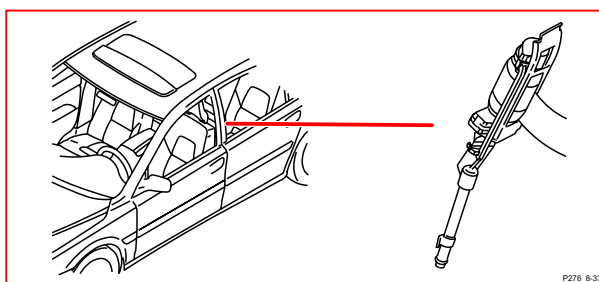
8/32 Igniter, passenger side airbag stage 2



8/28 Turbo control valve



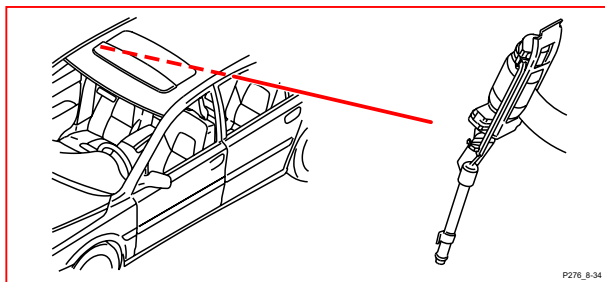
8/33 Front left belt tensioner igniter



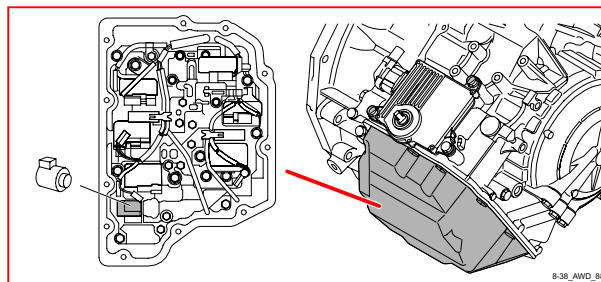
Component illustrations

8/34 - 8/39

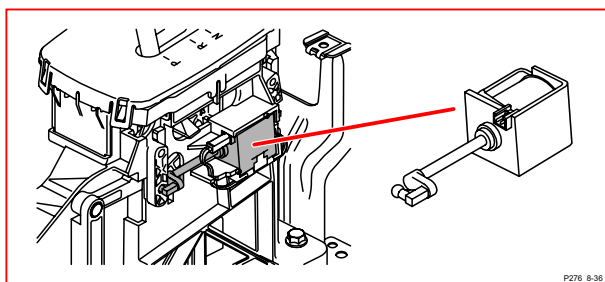
8/34 Front right seat belt tensioner igniter



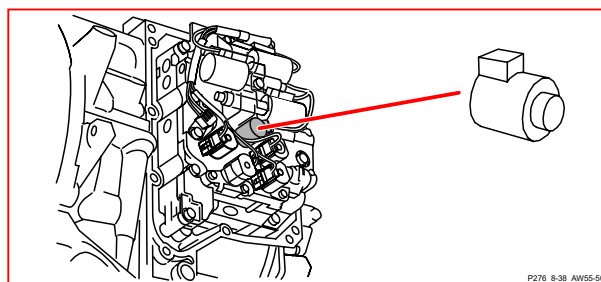
8/38 Shift solenoid 1, TF-80SC/AWD



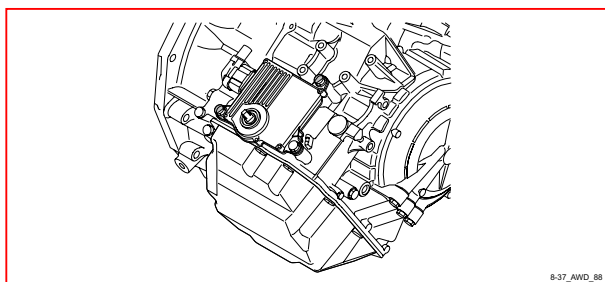
8/36 Shift lock solenoid



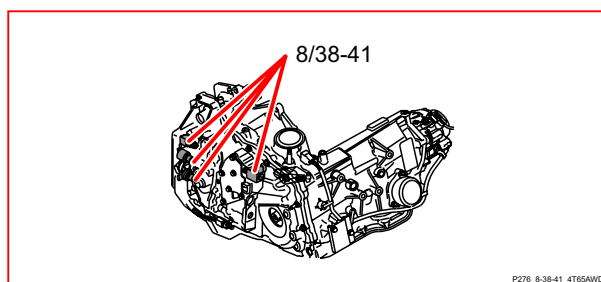
8/38 Shift solenoid 1, AW55-51/51 AWD



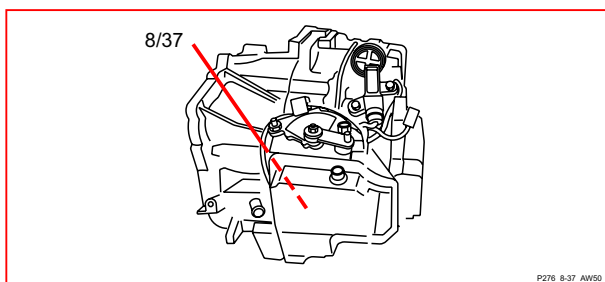
8/37 Automatic transmission, TF-80SC/AWD



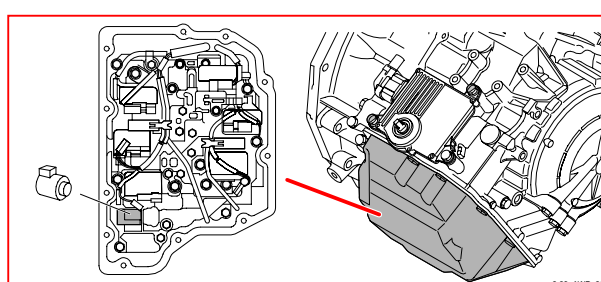
8/38 Shift solenoid 1, 4T65EV



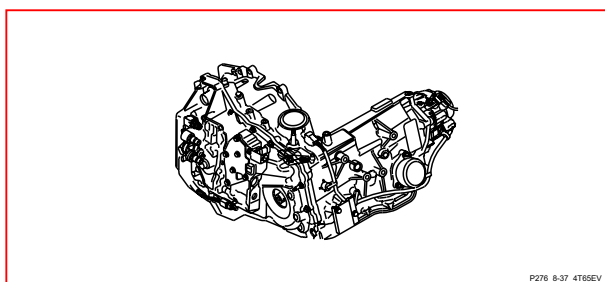
8/37 Automatic transmission, AW55-51/51 AWD



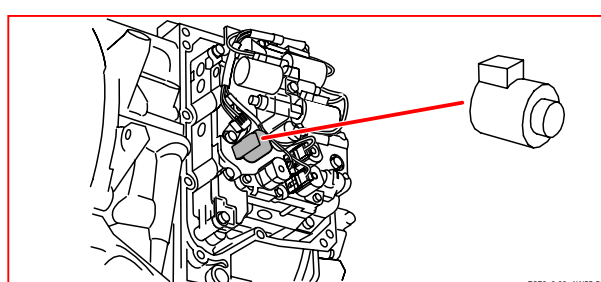
8/39 Shift solenoid 2, TF-80SC/AWD



8/37 Automatic transmission, 4T65EV



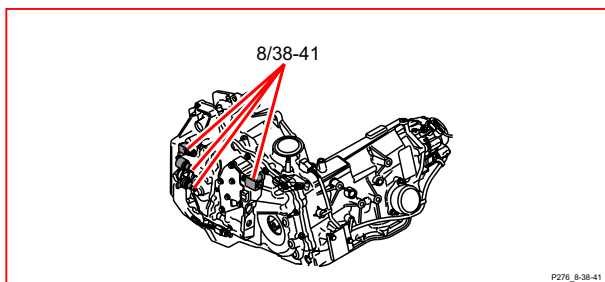
8/39 Shift solenoid 2, AW55-51/51 AWD



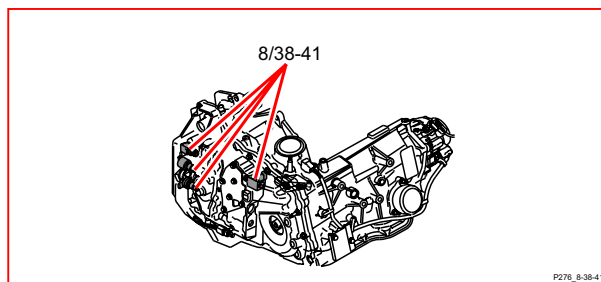
Component illustrations

8/39 - 8/55

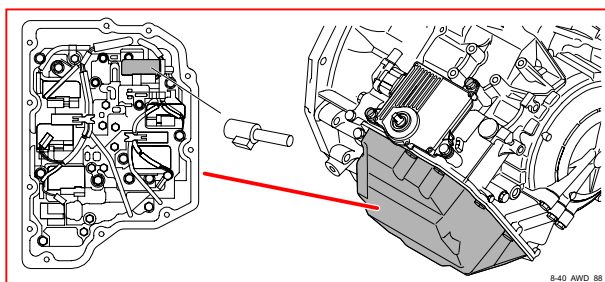
8/39 Shift solenoid 2, 4T65EV



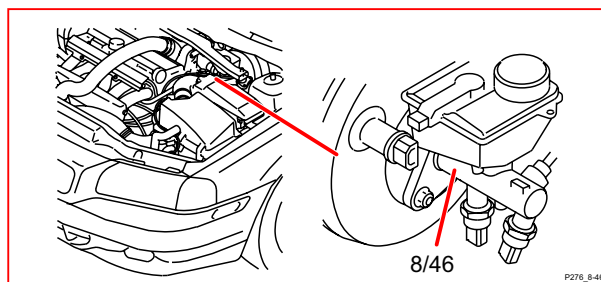
8/41 Pressure solenoid, 4T65EV



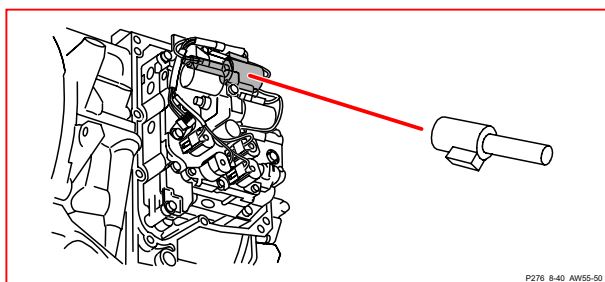
8/40 Lock-up solenoid, TF-80SC/AWD



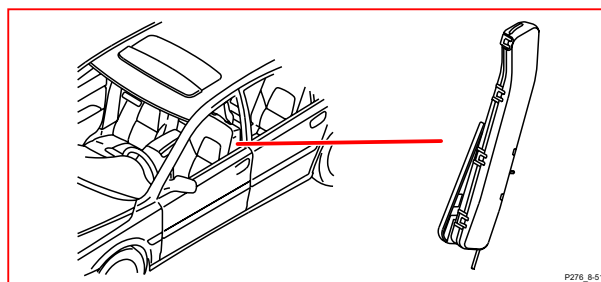
8/46 Archive unit, DSTC



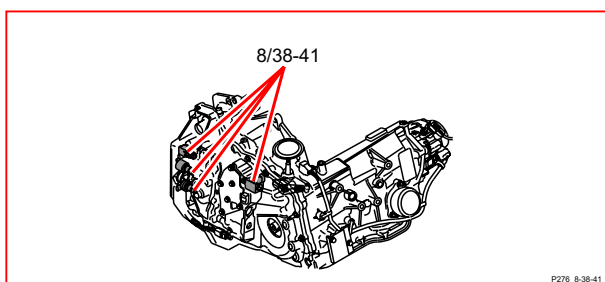
8/40 Lock-up solenoid, AW55-51/51 AWD



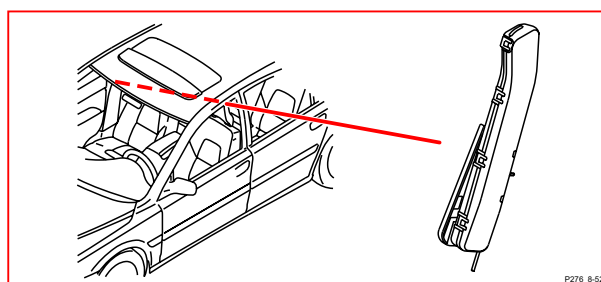
8/51 Front left side airbag igniter



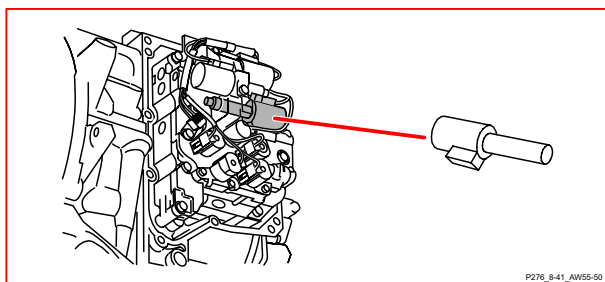
8/40 Lock-up solenoid, 4T65EV



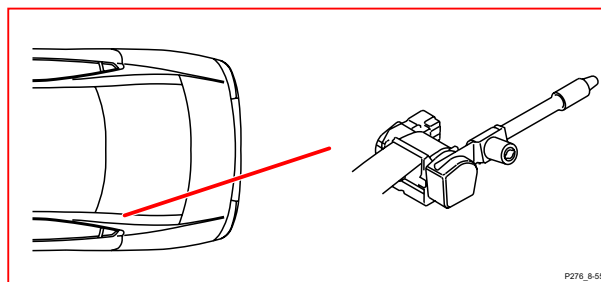
8/52 Front right side airbag igniter



8/41 Pressure solenoid, AW 55-51/51 AWD



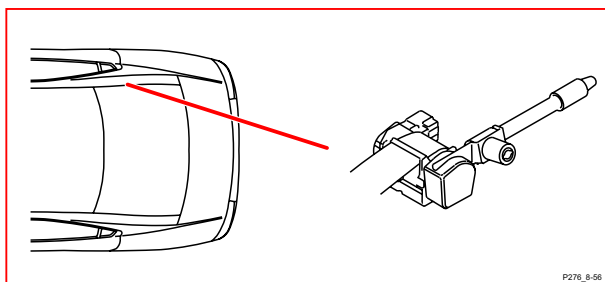
8/55 Rear left belt tensioner igniter



Component illustrations

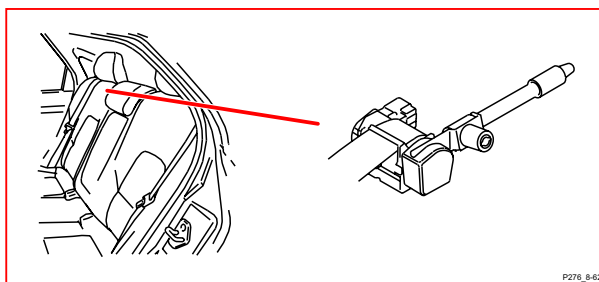
8/56 - 8/71

8/56 Rear right belt tensioner igniter



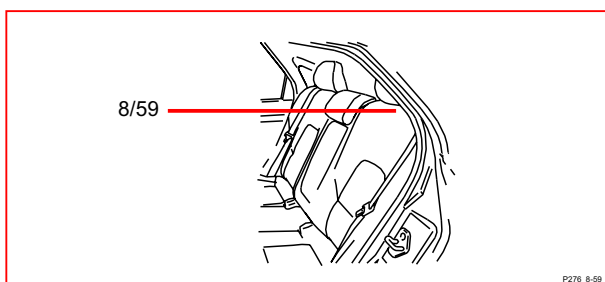
P276_8-56

8/62 Belt tensioner igniter, center rear seat



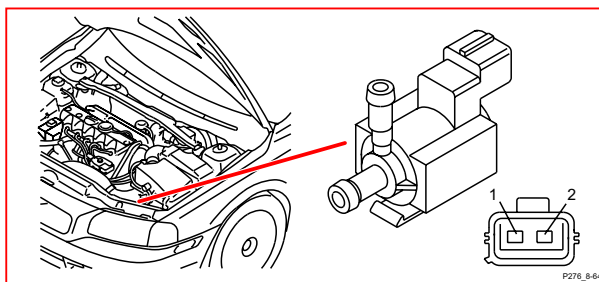
P276_8-62

8/59 Rear left head restraint solenoid



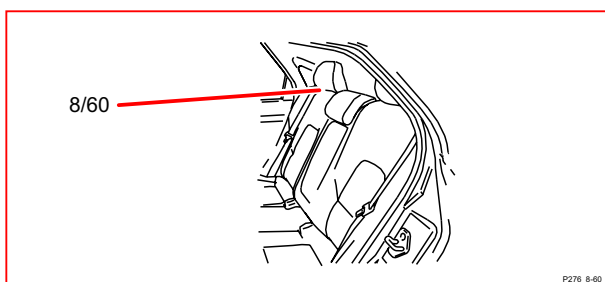
P276_8-59

8/64 Solenoid valve, engine mounting, Diesel



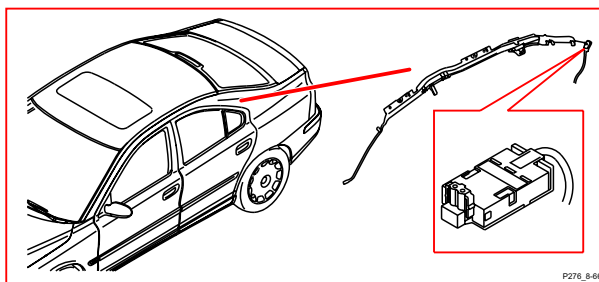
P276_8-64

8/60 Rear right head restraint solenoid



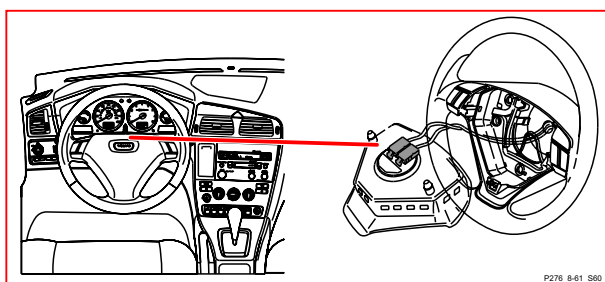
P276_8-60

8/66 Left-hand inflatable curtain igniter



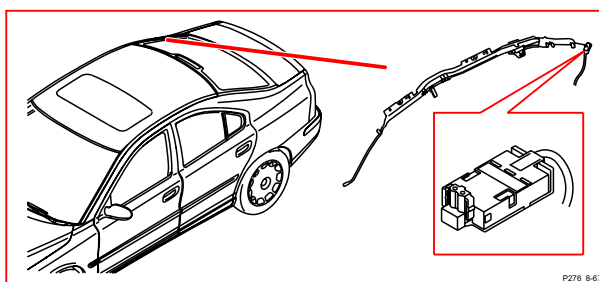
P276_8-66

8/61 Driver's side airbag igniter, stage 2, S60



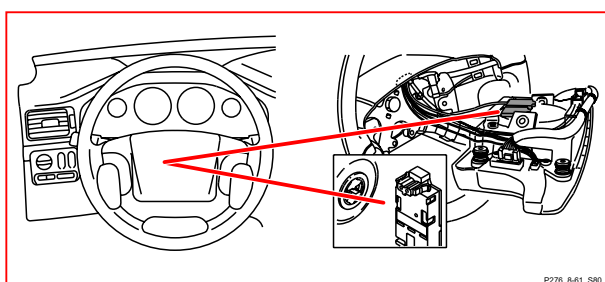
P276_8-61_S60

8/67 Right-hand inflatable curtain igniter



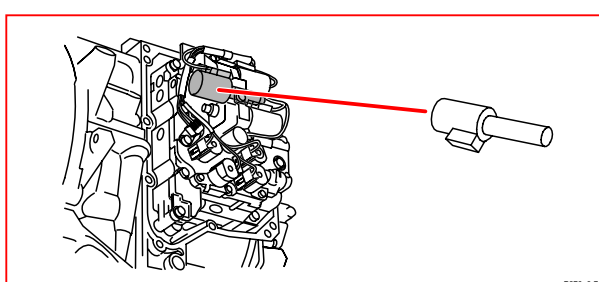
P276_8-67

8/61 Driver's side airbag igniter, stage 2, S80



P276_8-61_S80

8/71 Throttle solenoid, AW 55/51 AWD

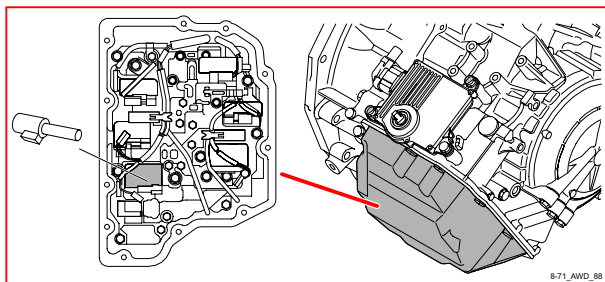


P276_8-71

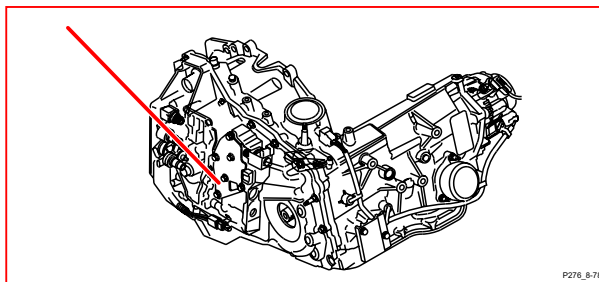
Component illustrations

8/71 - 8/85

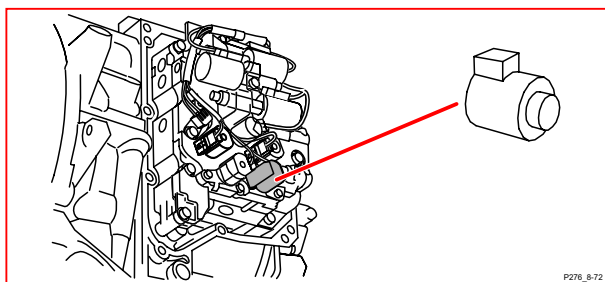
8/71 Throttle solenoid, TF-80SC/AWD



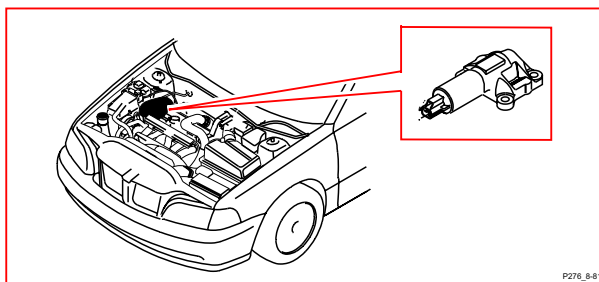
8/78 Oil pressure sensor



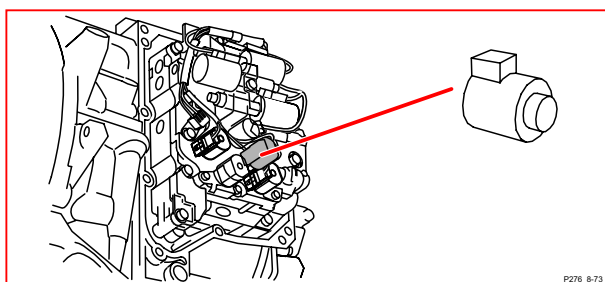
8/72 Shift solenoid 3, AW55-51SN/AW51 AWD



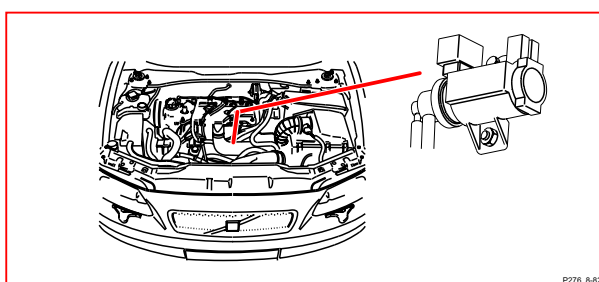
8/81 Solenoid, variable valve timing exhaust



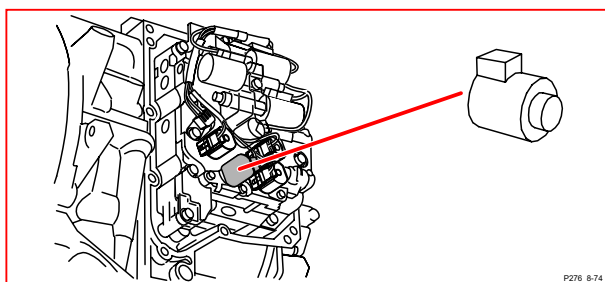
8/73 Shift solenoid 4, AW55-51SN/AW51 AWD



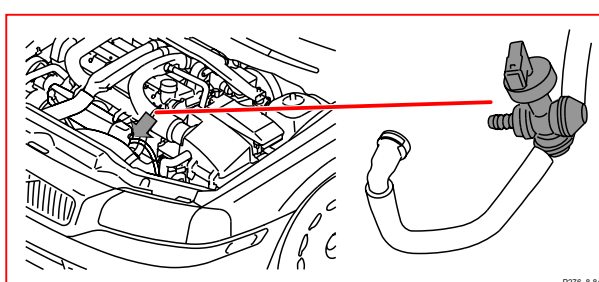
8/82 Solenoid, variable turbo geometry



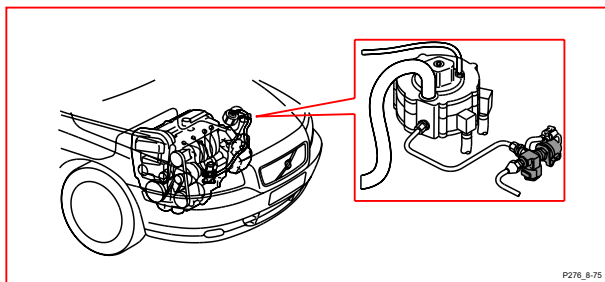
8/74 Shift solenoid 5, AW55-51SN/AW51 AWD



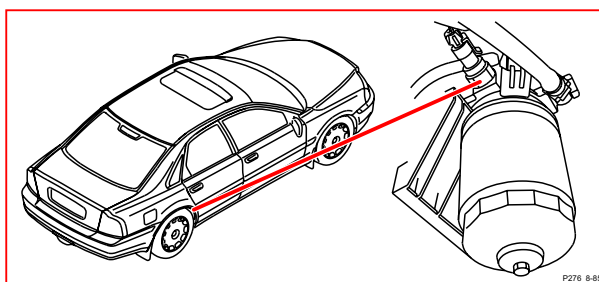
8/84 Switch, vacuum pump



8/75 Valve, fuel cut-off DFCO



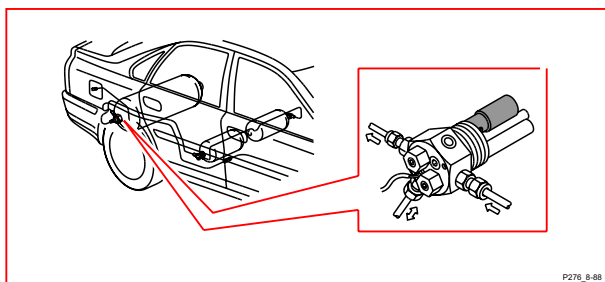
8/85 Thermostatic switch and fuel filter heating



Component illustrations

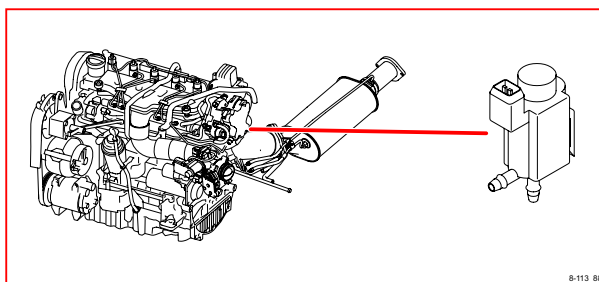
8/88 - 8/143

8/88 Rear solenoid, fuel tank, Bi-Fuel



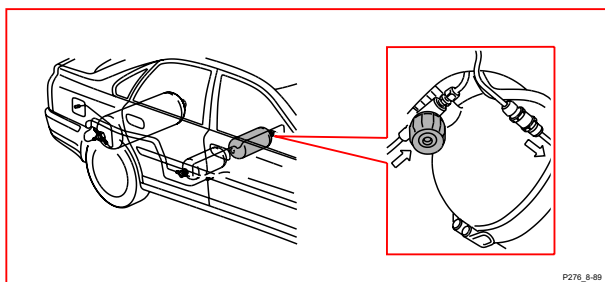
P276_8-88

8/113 Fuel pressure bypass valve



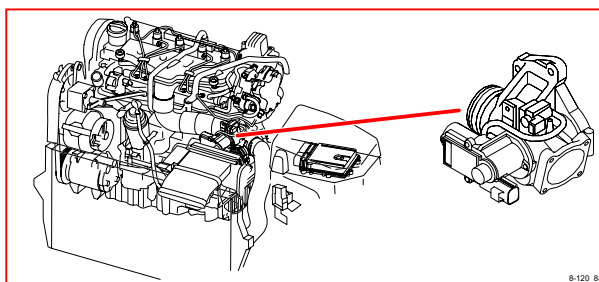
8-113_88

8/89 Front left solenoid, fuel tank, Bi-Fuel



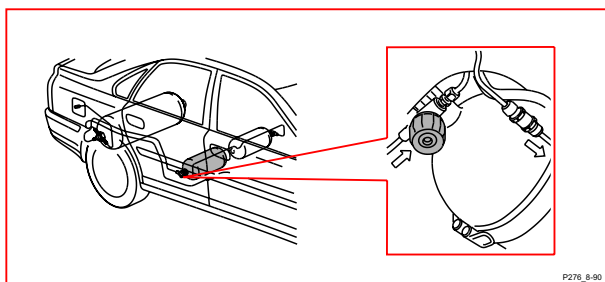
P276_8-89

8/120 EGR valve



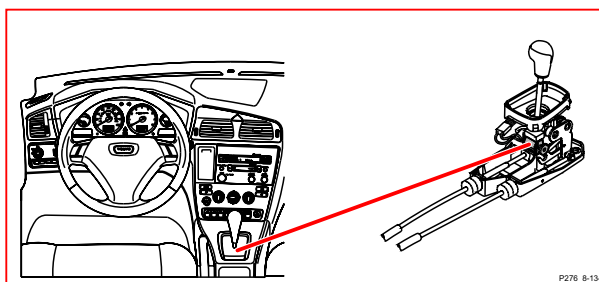
8-120_88

8/90 Front right solenoid, fuel tank, Bi-Fuel



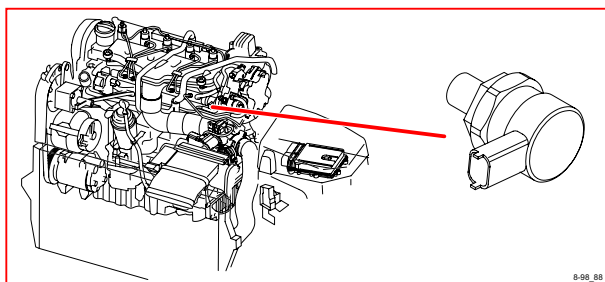
P276_8-90

8/134 Solenoid, reverse interlock, manual



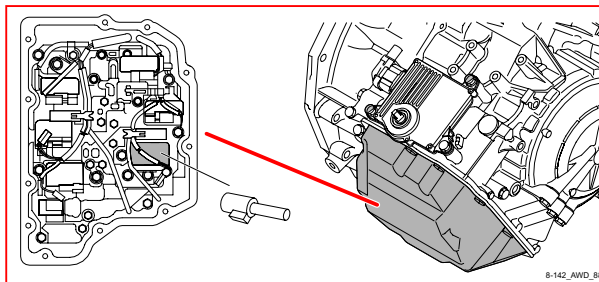
P276_8-134

8/98 Control valve, fuel pressure, I5D



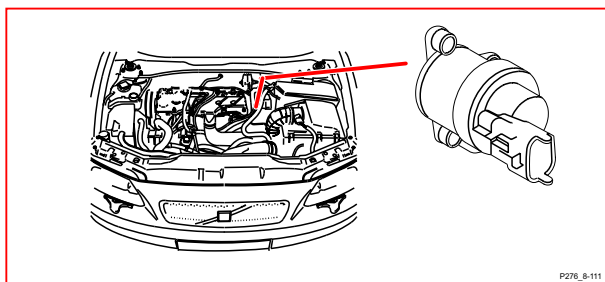
8-98_88

**8/142 Linear pressure solenoid SLB1
TF-80SC/AWD**



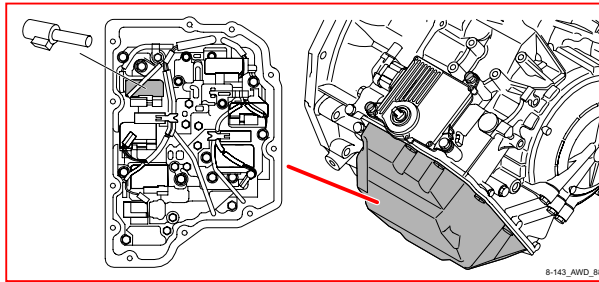
8-142_AWD_88

8/111 Solenoid valve, high-pressure diesel



P276_8-111

**8/143 Linear pressure solenoid SLC1
TF-80SC/AWD**

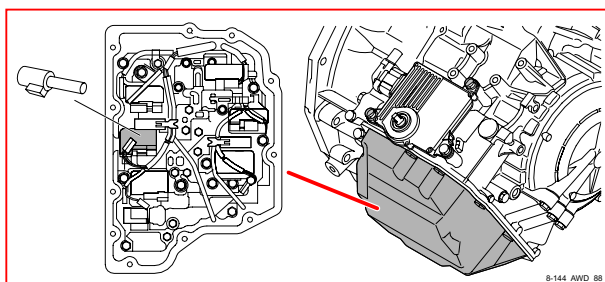


8-143_AWD_88

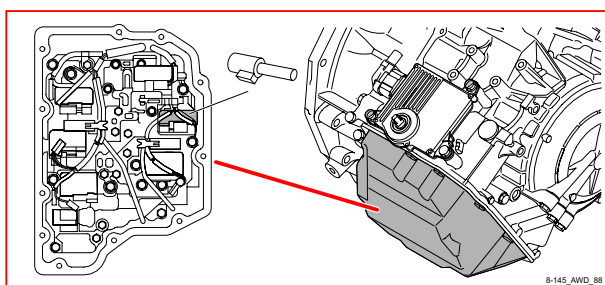
Component illustrations

8/144 - 9/19

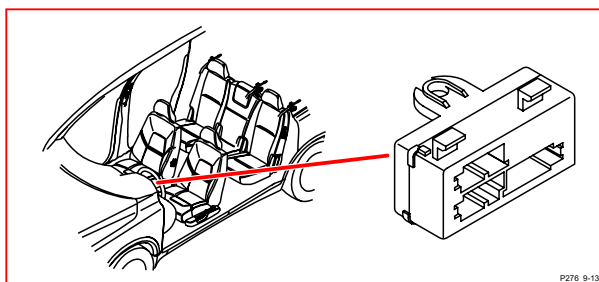
**8/144 Linear pressure solenoid SLC2
TF-80SC/AWD**



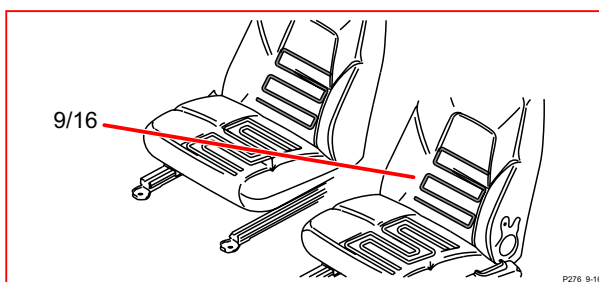
**8/145 Linear pressure solenoid SLC3
TF-80SC/AWD**



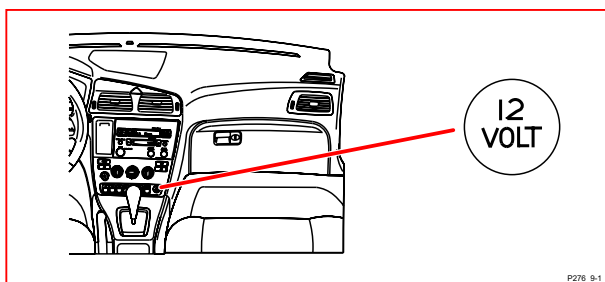
9/13 Seat Heating Module (SHM), right



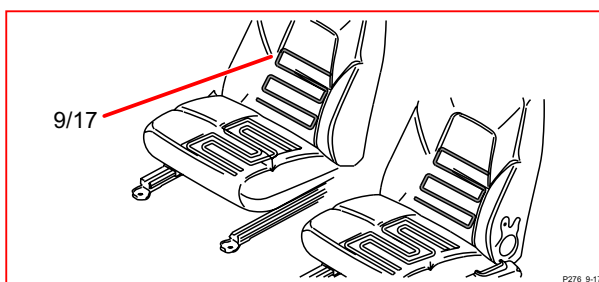
9/16 Left-hand backrest heating element



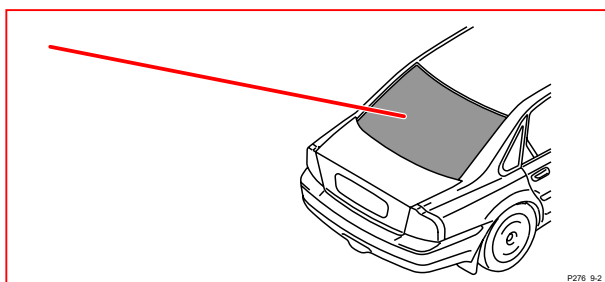
9/1 Front 12V outlet



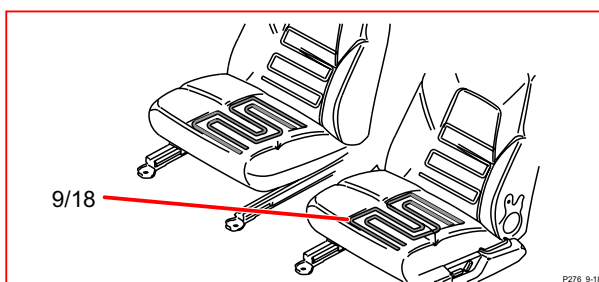
9/17 Right-hand backrest heating element



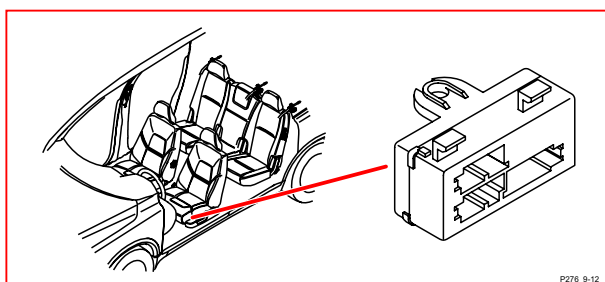
9/2 Heated rear window



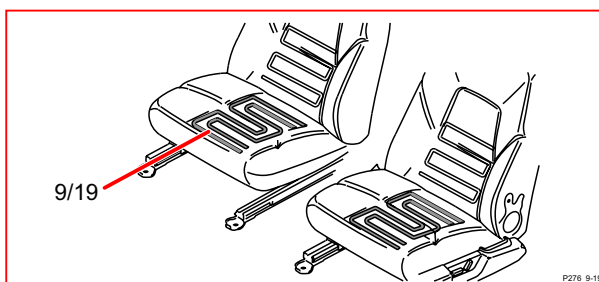
9/18 Left-hand seat heating element



9/12 Seat Heating Module (SHM), left



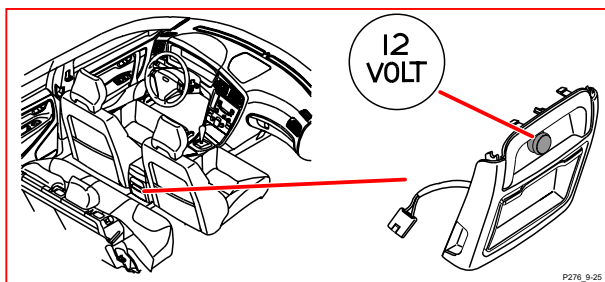
9/19 Right-hand seat heating element



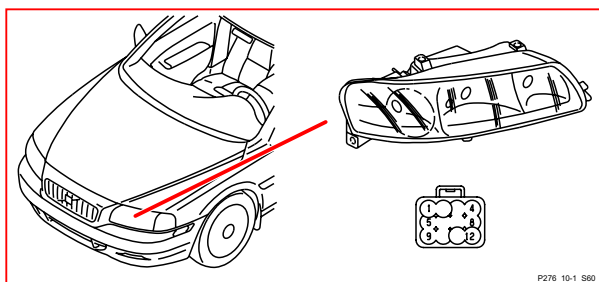
Component illustrations

9/25 - 10/3

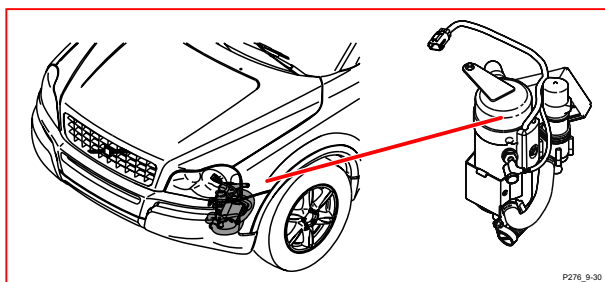
9/25 Rear 12V outlet



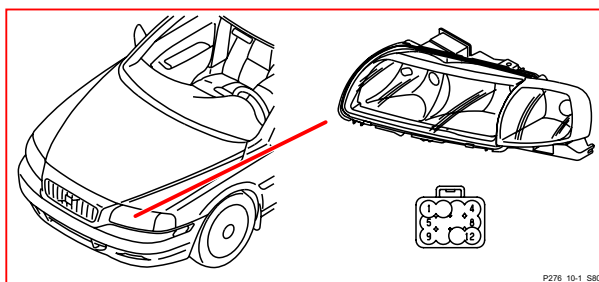
10/1 Front left lamp housing S60



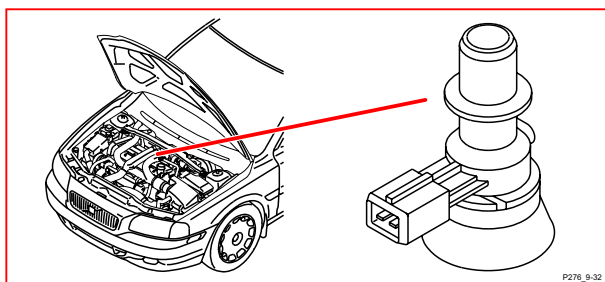
9/30 Auxiliary heater



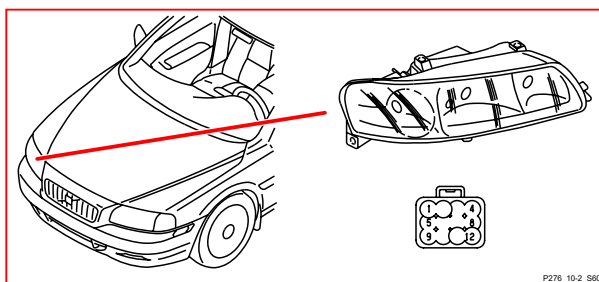
10/1 Front left lamp housing S80



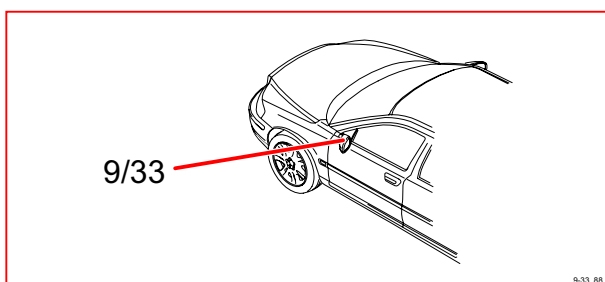
9/32 PTC resistor - air preheating



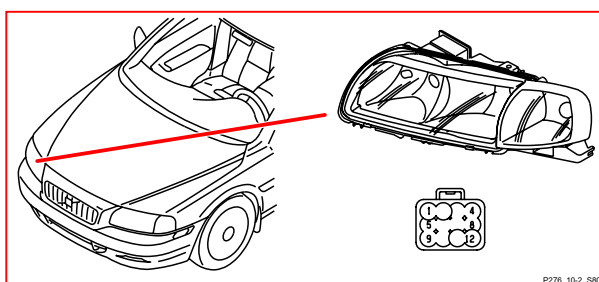
10/2 Front right lamp housing S60



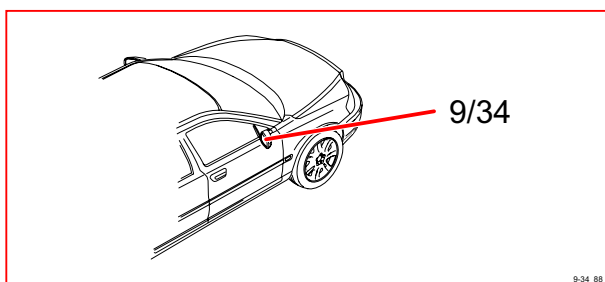
9/33 Left-hand heated door mirror



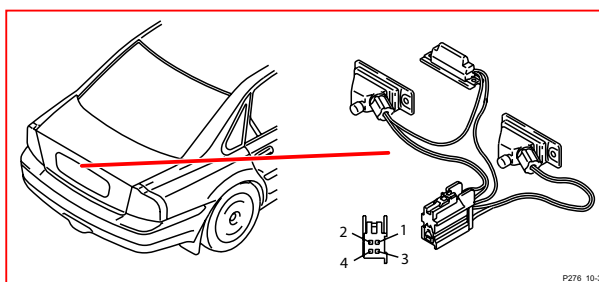
10/2 Front right lamp housing S80



9/34 Right-hand heated door mirror



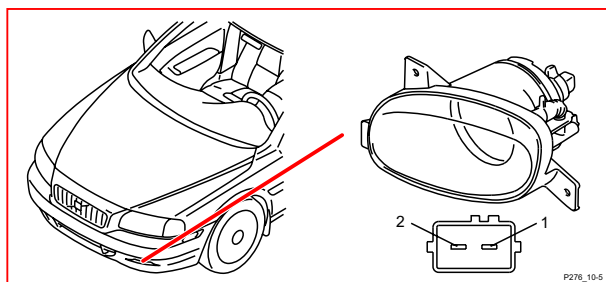
10/3 License plate lighting



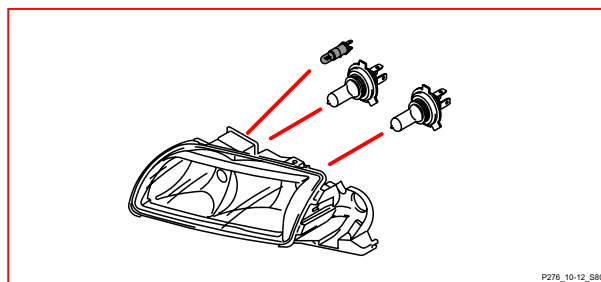
Component illustrations

10/5 - 10/14

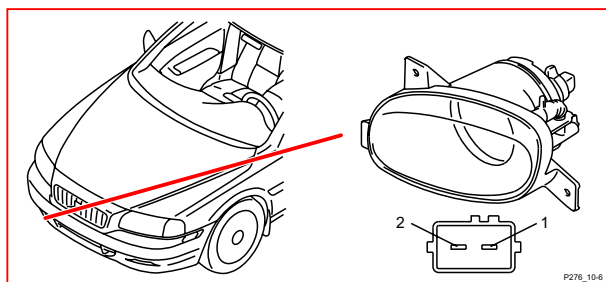
10/5 Front left fog light



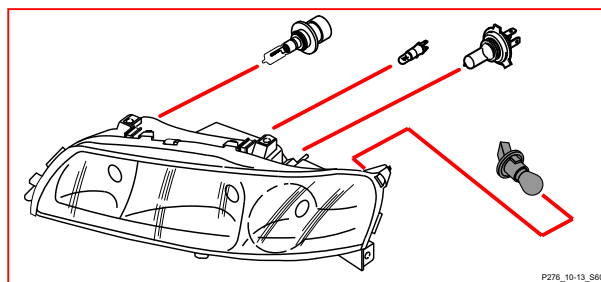
10/12 Front right running/parking light S80



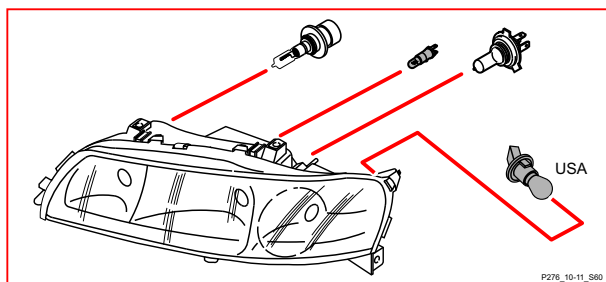
10/6 Front right fog light



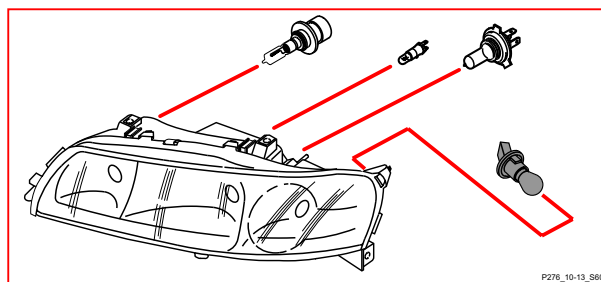
10/13 Front left direction indicator, S60



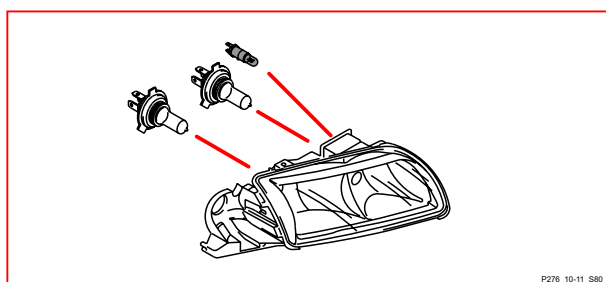
10/11 Front left running/parking light S60



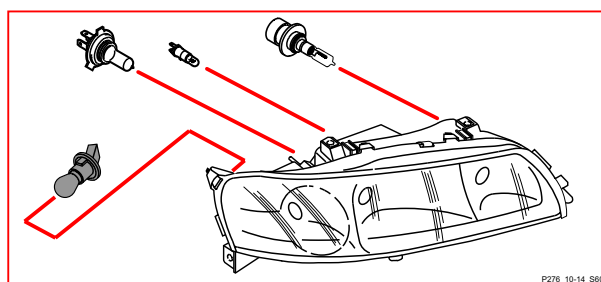
10/13 Front left direction indicator, S80



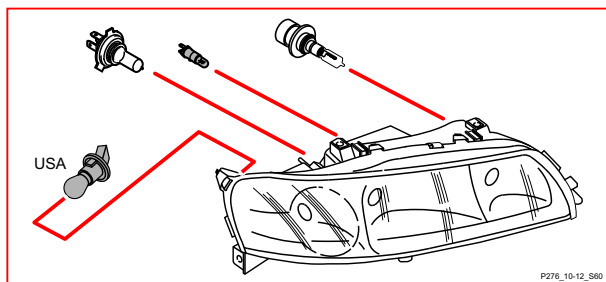
10/11 Front left running/parking light S80



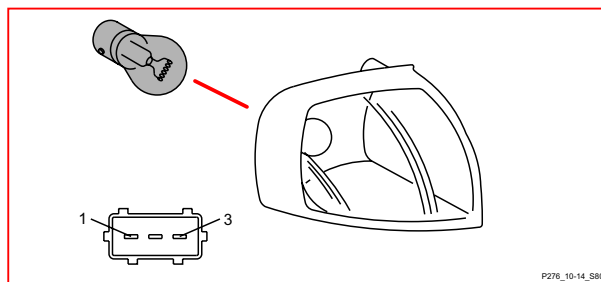
10/14 Front right direction indicator, S60



10/12 Front right running/parking light S60



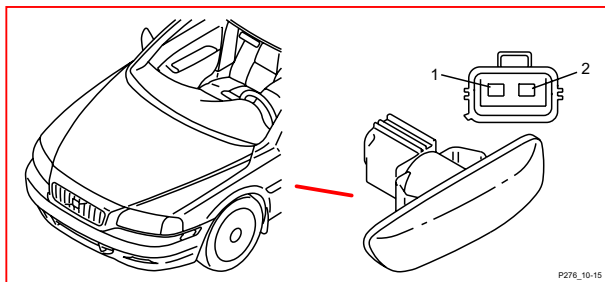
10/14 Front right direction indicator, S80



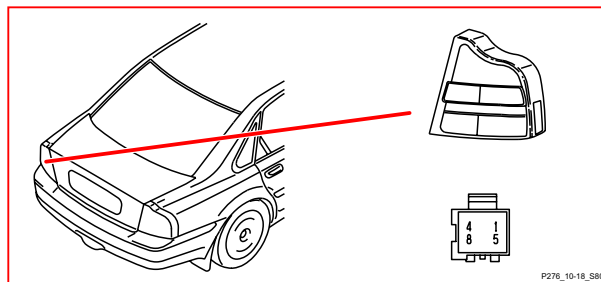
Component illustrations

10/15 - 10/114

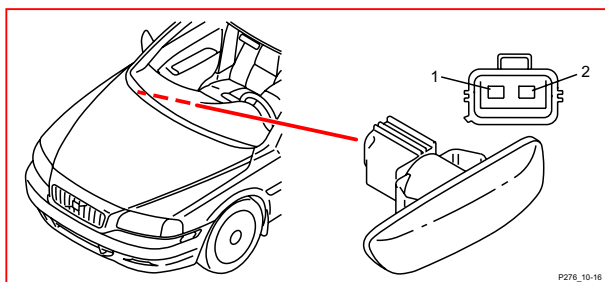
10/15 Front left fender direction indicator



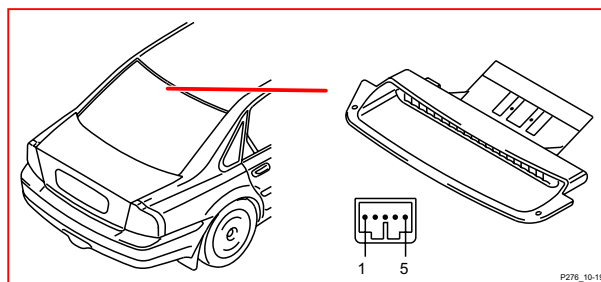
10/18 Rear left lamp housing, S80



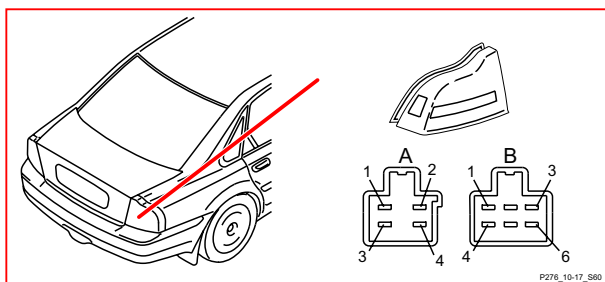
10/16 Front right fender direction indicator



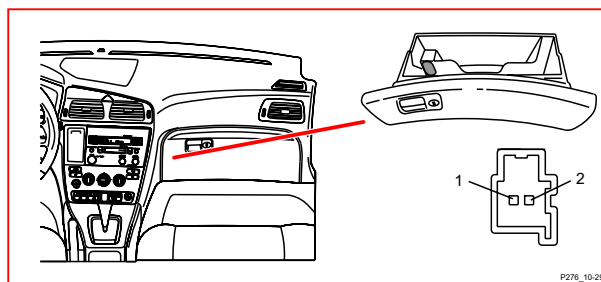
10/19 Auxiliary brake light



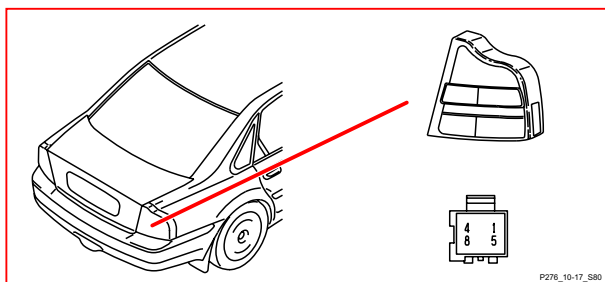
10/17 Rear right lamp housing, S60



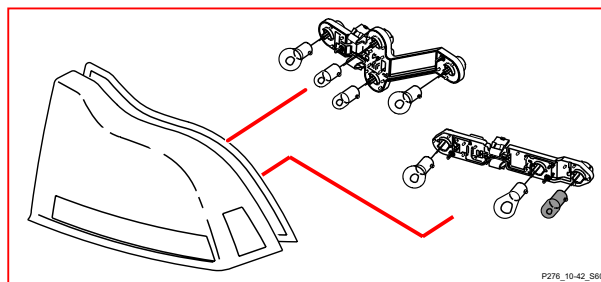
10/29 Glove compartment lighting



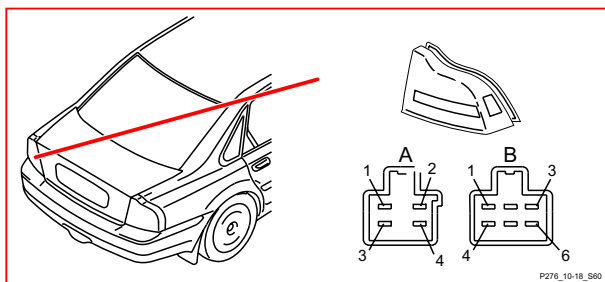
10/17 Rear right lamp housing, S80



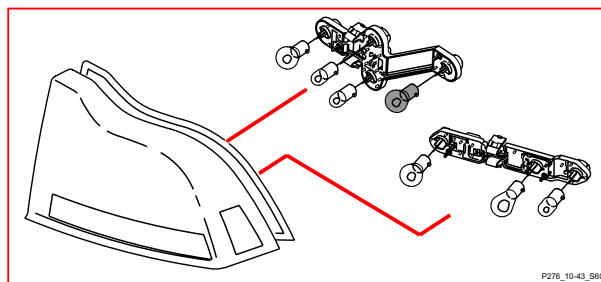
10/42 Rear right running/parking light, S60



10/18 Rear left lamp housing, S60



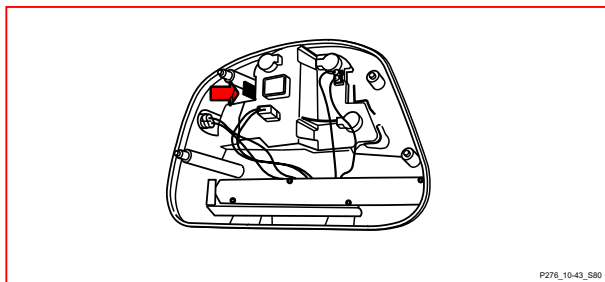
10/114 Right brake light, S60



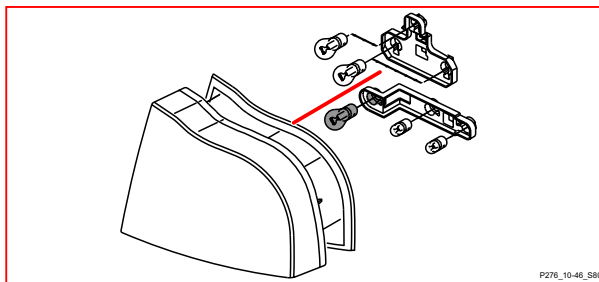
Component illustrations

10/43 -10/48

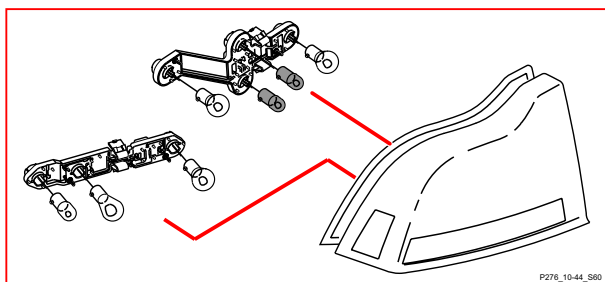
10/43 Right brake light, S80



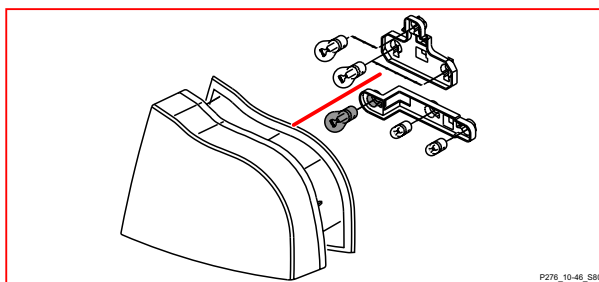
10/46 Rear right fog light, S60



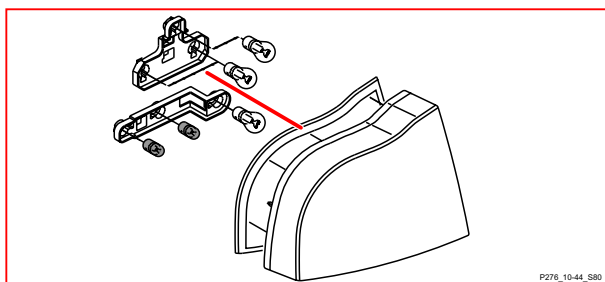
10/44 Right tail light lamp 1, S60



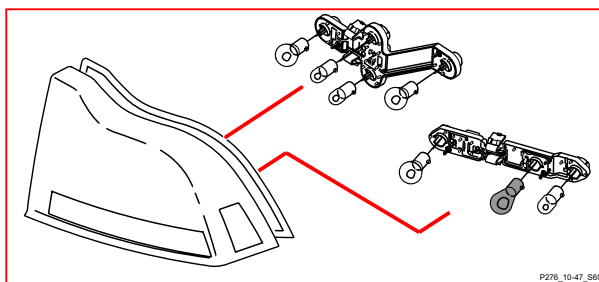
10/46 Rear right fog light, S80



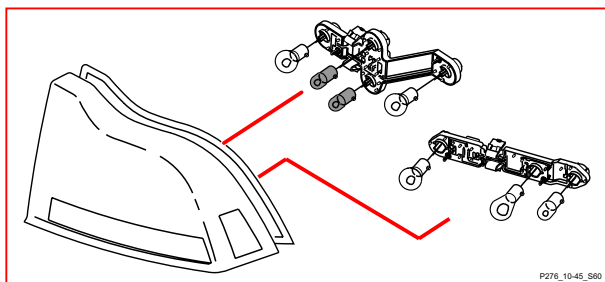
10/44 Right tail light lamp 1, S80



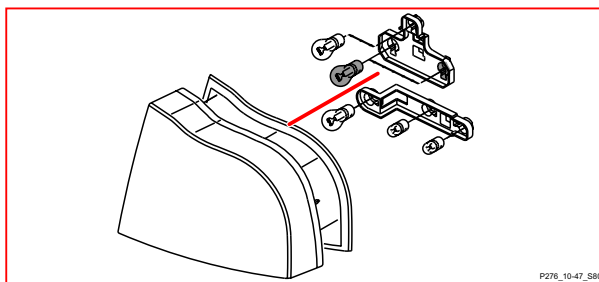
10/47 Rear right direction indicator, S60



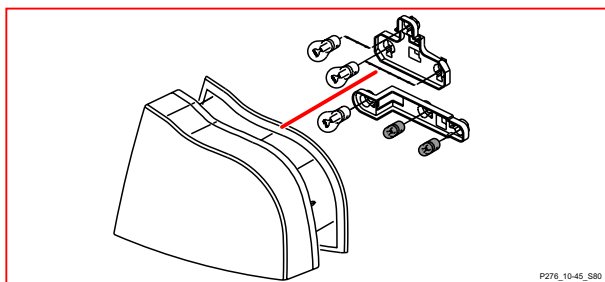
10/45 Right tail light lamp 2, S60



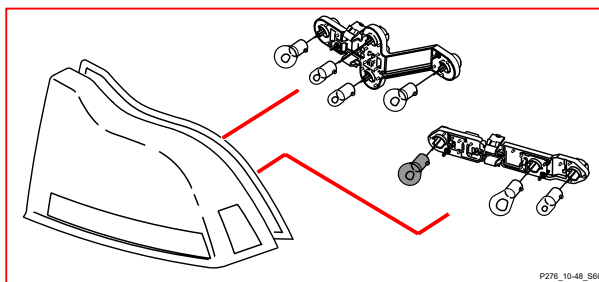
10/47 Rear right direction indicator, S80



10/45 Right tail light lamp 2, S80



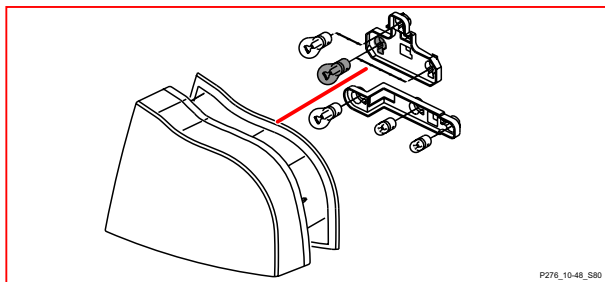
10/48 Right-hand reversing light, S60



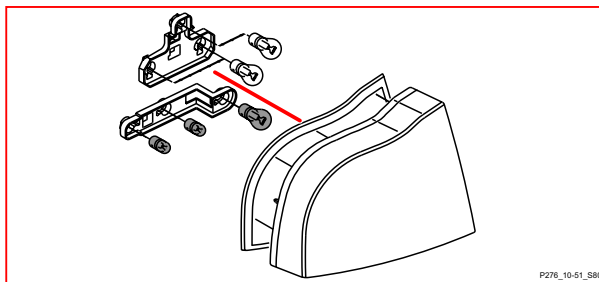
Component illustrations

10/48 - 10/53

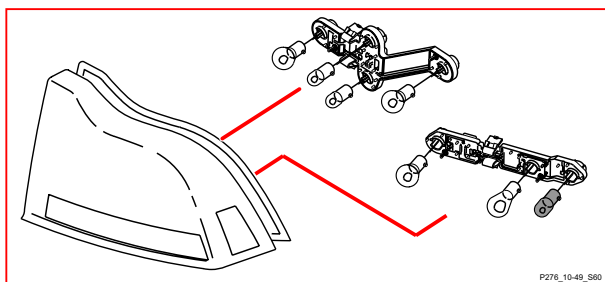
10/48 Right-hand reversing light, S80



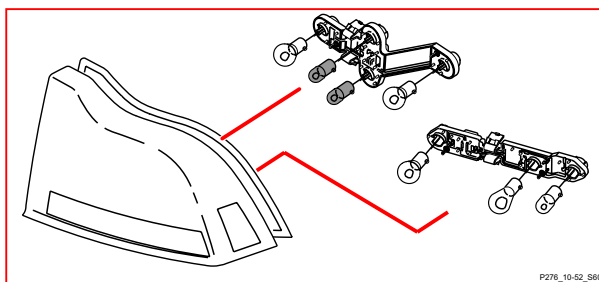
10/51 Left tail light 1, S80



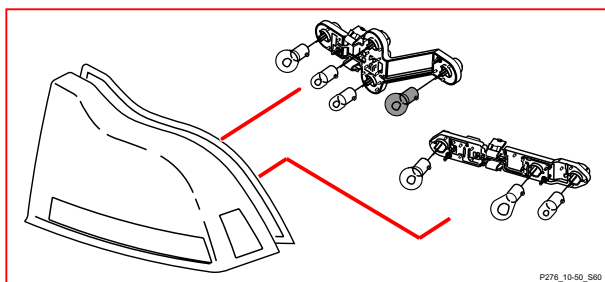
10/49 Rear left running/parking light, S60



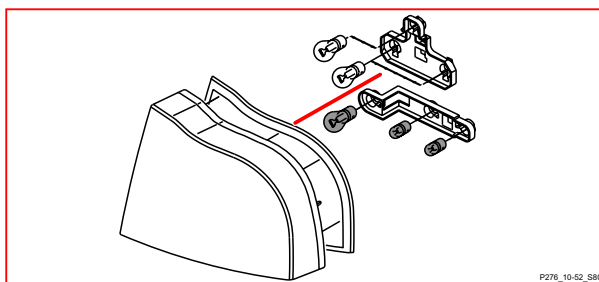
10/52 Left tail light 2, S60



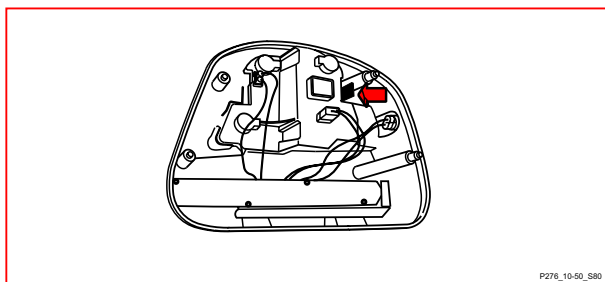
10/50 Left brake light, S60



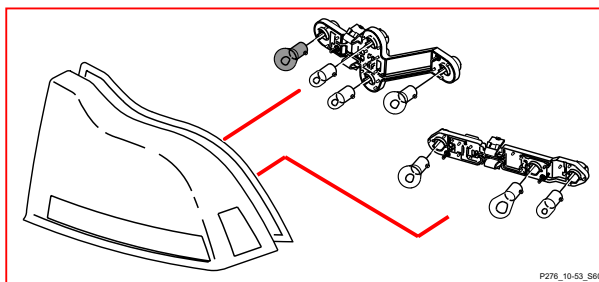
10/52 Left tail light 2, S80



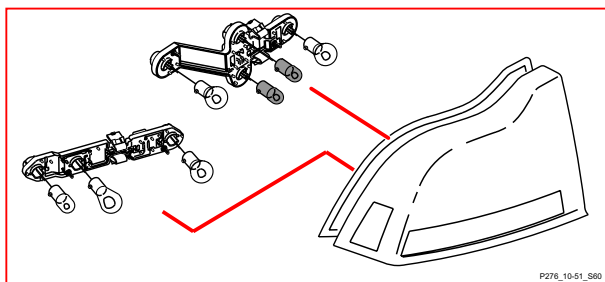
10/50 Left brake light, S80



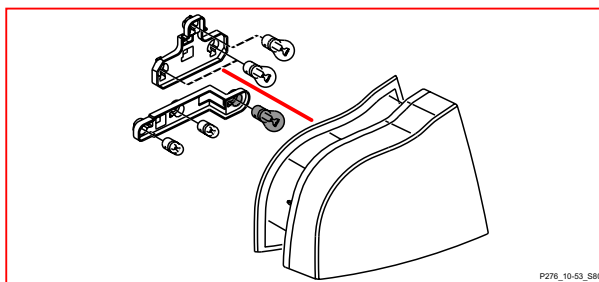
10/53 Rear left fog light, S60



10/51 Left tail light 1, S60



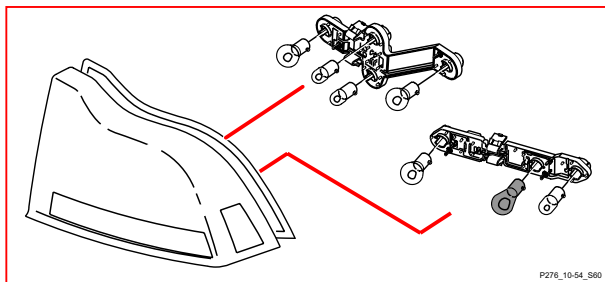
10/53 Rear left fog light, S80



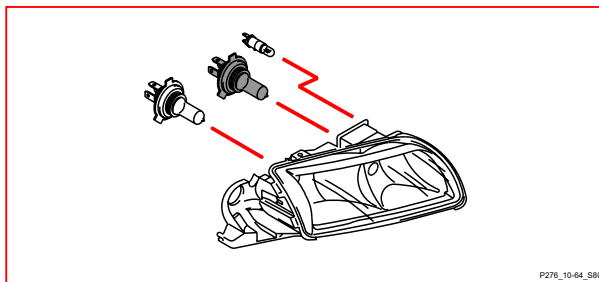
Component illustrations

10/54 - 10/68

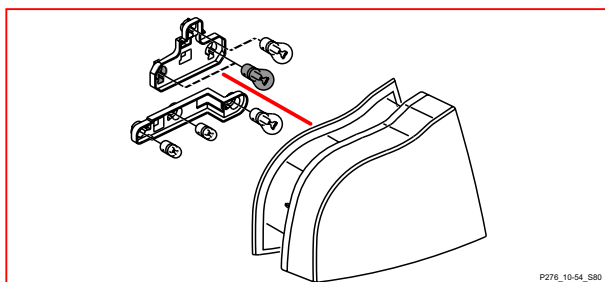
10/54 Rear direction indicator, S60



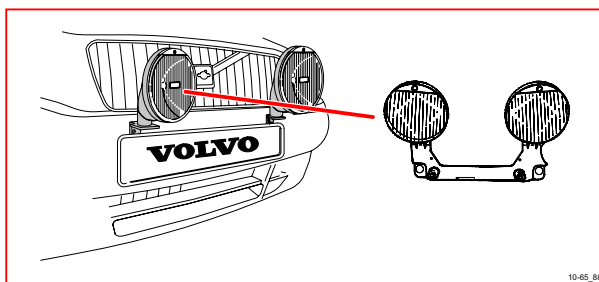
10/64 Right-hand high beam, S80



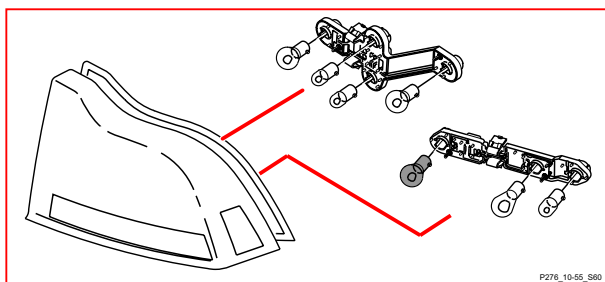
10/54 Rear left direction indicator, S80



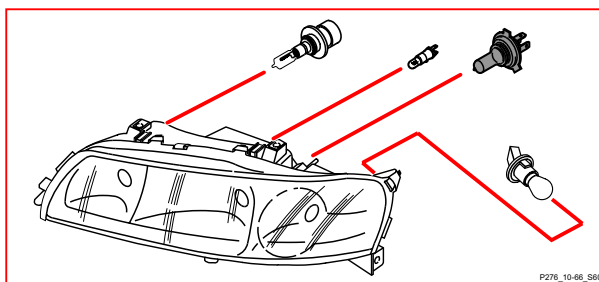
10/65 Auxiliary light, front right



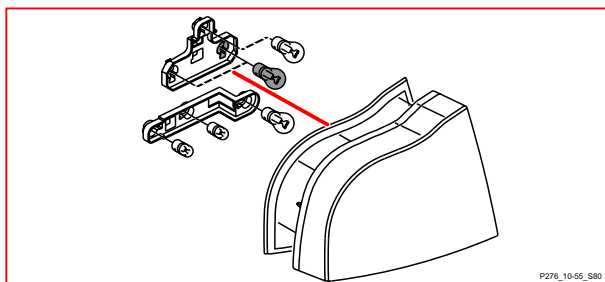
10/55 Left reversing light, S60



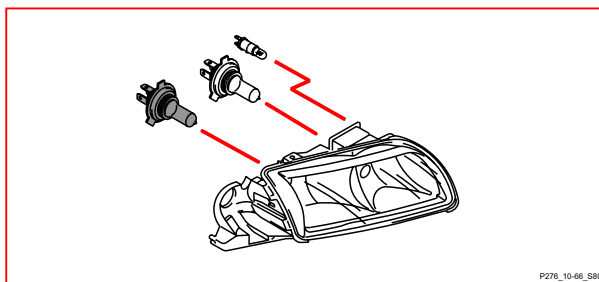
10/66 Right-hand low beam, S60



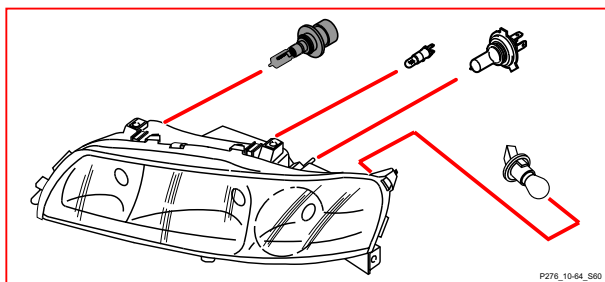
10/55 Left reversing light, S80



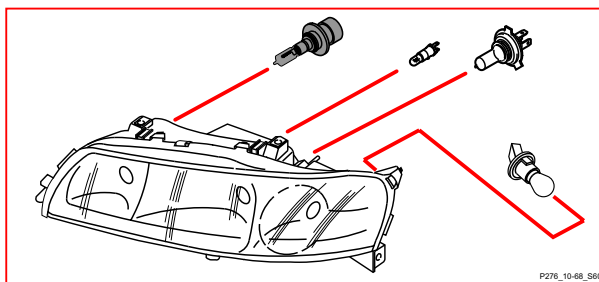
10/66 Right-hand low beam, S80



10/64 Right-hand high beam, S60



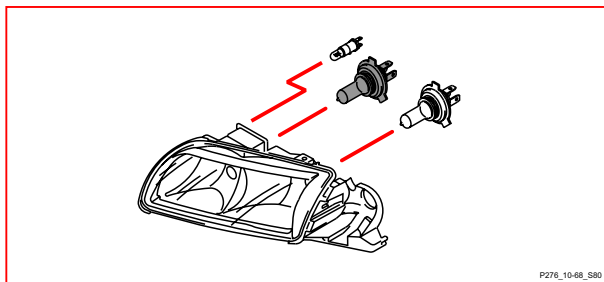
10/68 Left-hand high beam, S60



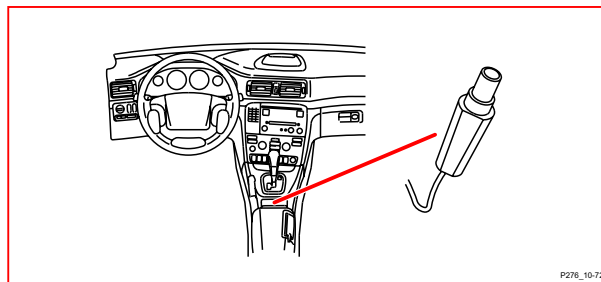
Component illustrations

10/68 - 10/122

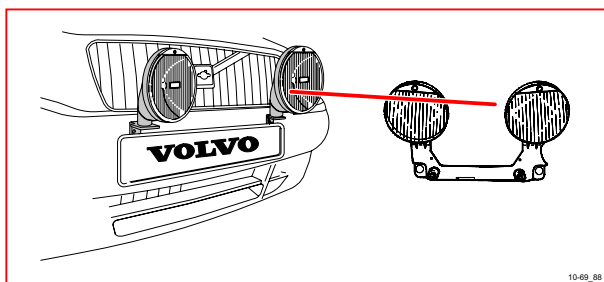
10/68 Left-hand high beam, S80



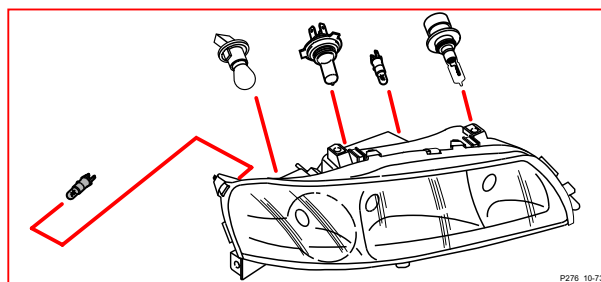
10/72 Front ashtray lighting, S80



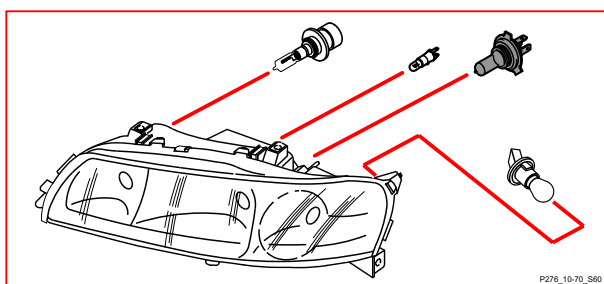
10/69 Auxiliary light, front left



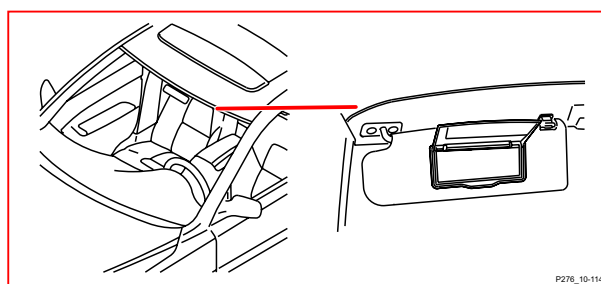
10/73 Side running light, front right



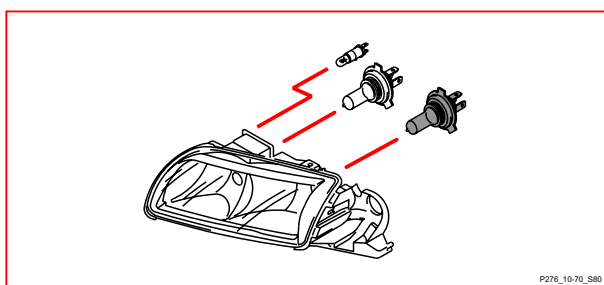
10/70 Left-hand low beam, S60



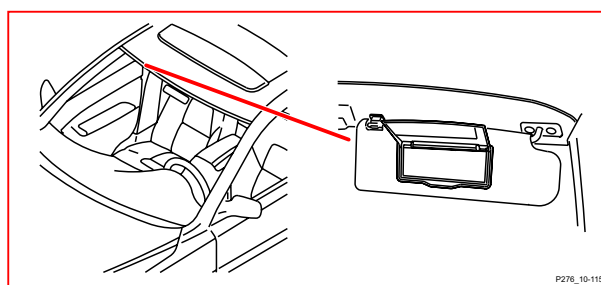
10/114 Left-hand vanity mirror lighting



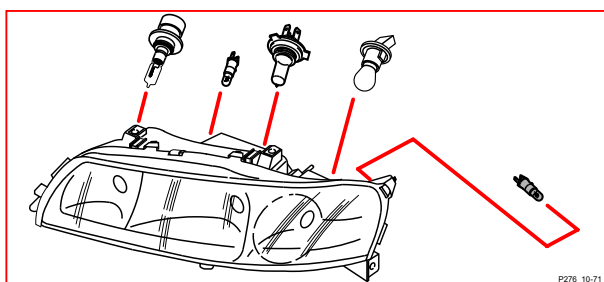
10/70 Left-hand low beam, S80



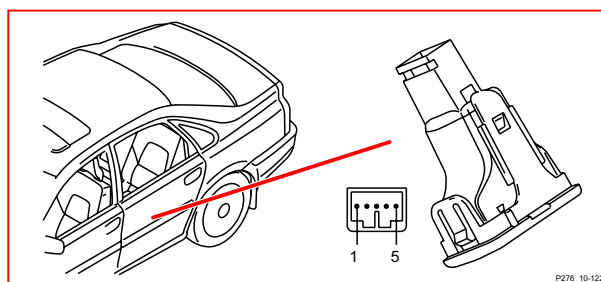
10/115 Right-hand vanity mirror lighting



10/71 Side running light, front left



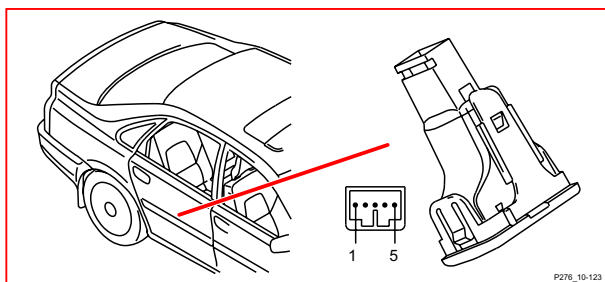
10/122 Left-hand rear courtesy lighting



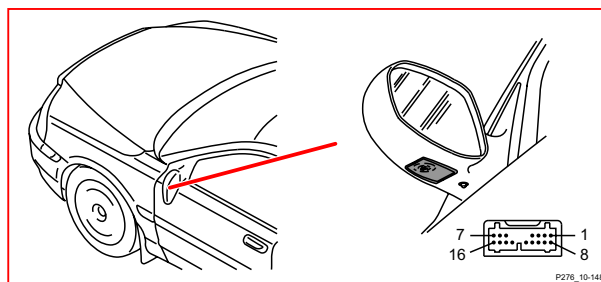
Component illustrations

10/123 - 11A/no.

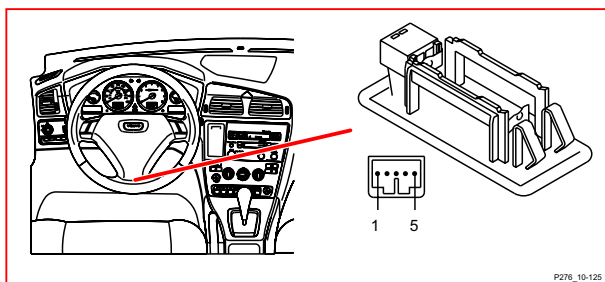
10/123 Right-hand rear courtesy lighting



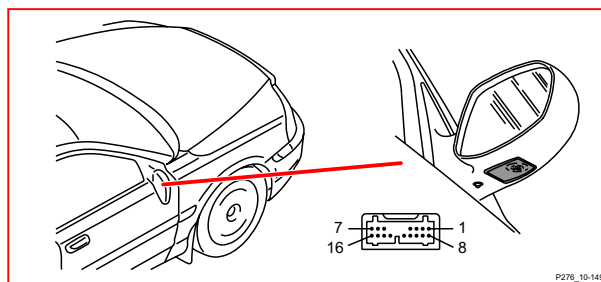
10/148 Left-hand rearview mirror lighting



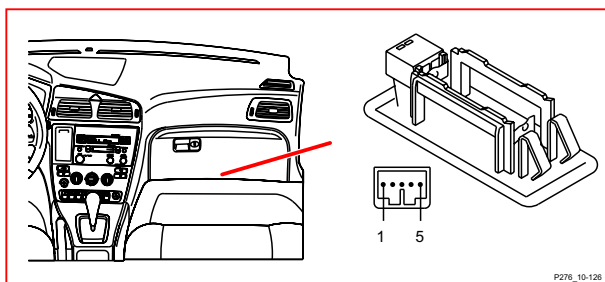
10/125 Left-hand front courtesy lighting



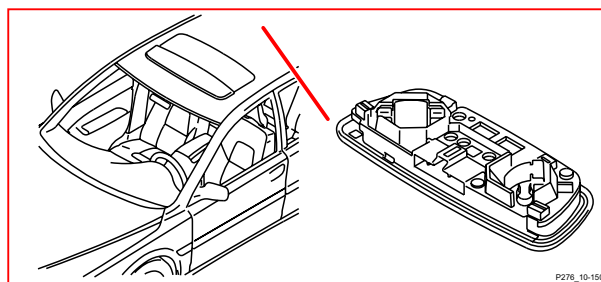
10/149 Right-hand rearview mirror lighting



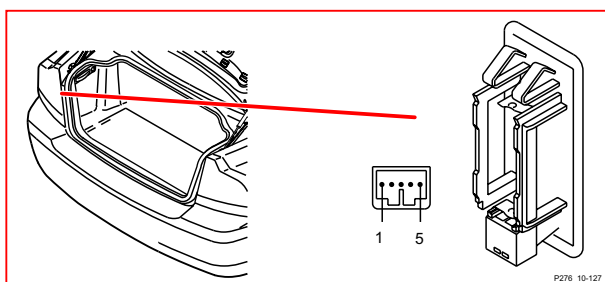
10/126 Right-hand front courtesy lighting



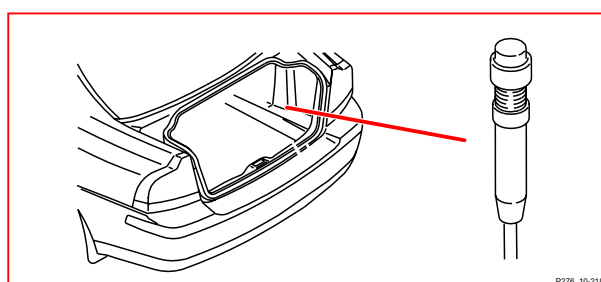
10/150 Rear reading light



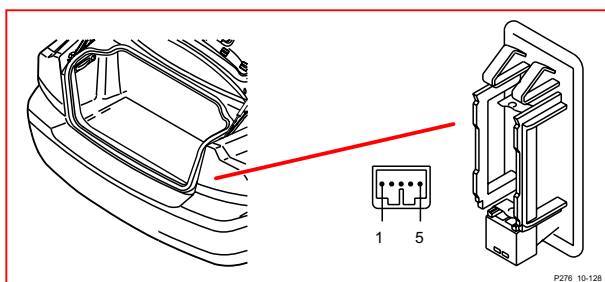
10/127 Lighting, cargo compartment, left-hand side



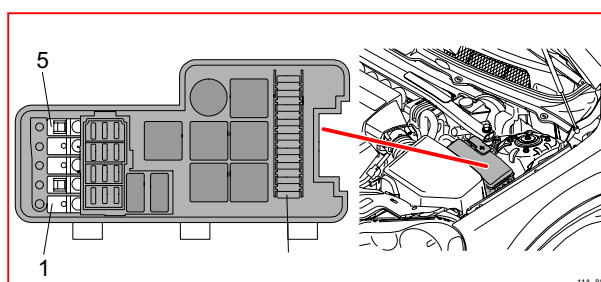
10/218 Indicator light, remote start



10/128 Lighting, cargo compartment, right-hand side



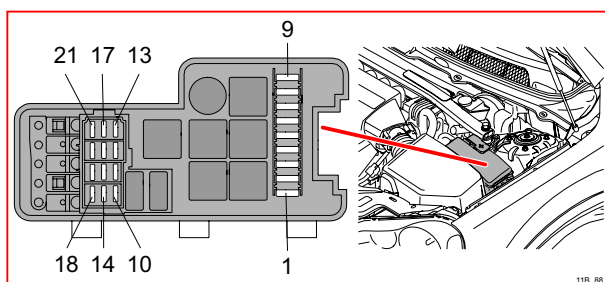
11A/no. Main fuses in engine compartment fuse box



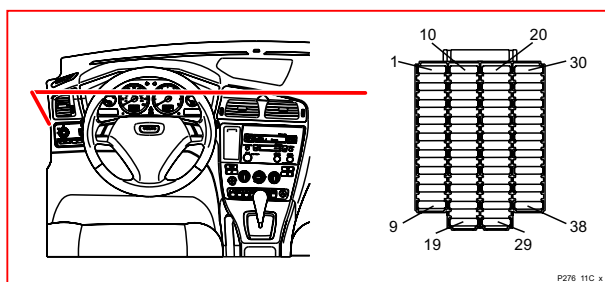
Component illustrations

11B/no. - 16/6

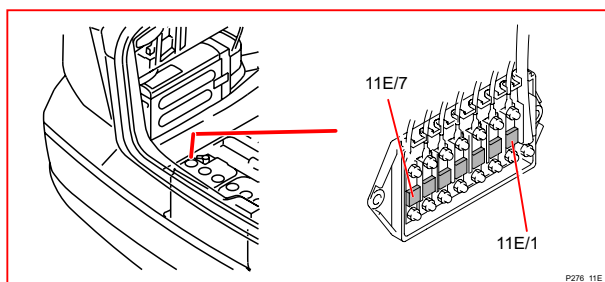
11B/no. Fuses in engine compartment fuse box



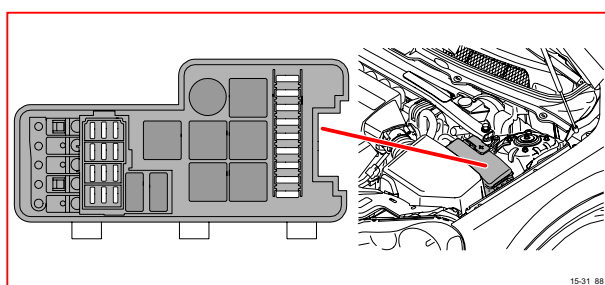
11C/no. Fuses in passenger compartment fuse box



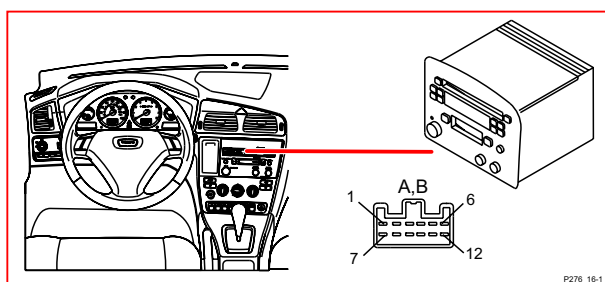
11E/no. Main fuses at battery



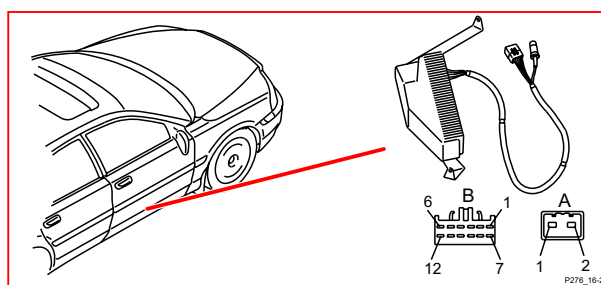
15/31 Distribution box in engine compartment



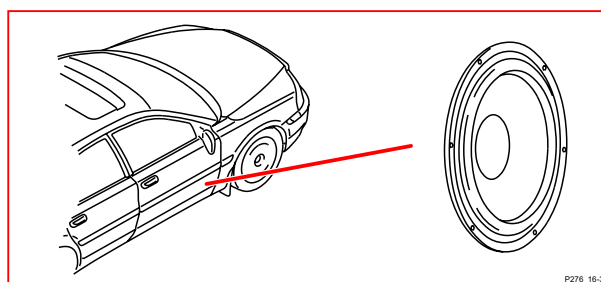
16/1 Audio Module (AUM)



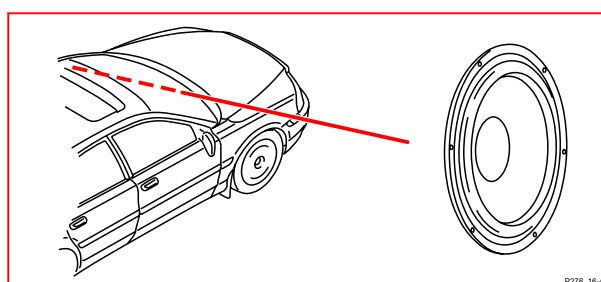
16/2 Amplifier



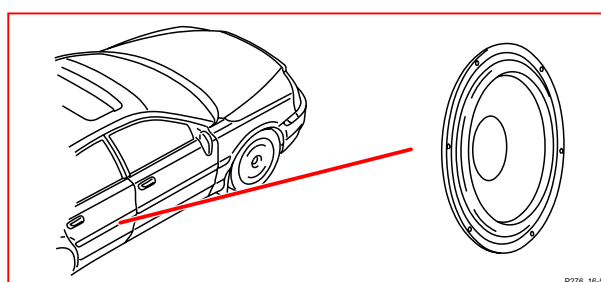
16/3 Right-hand front door speaker



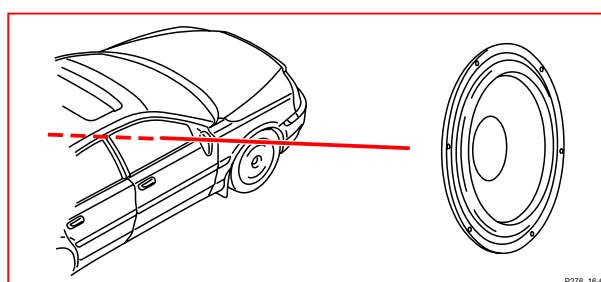
16/4 Left-hand front door speaker



16/5 Right-hand rear door speaker



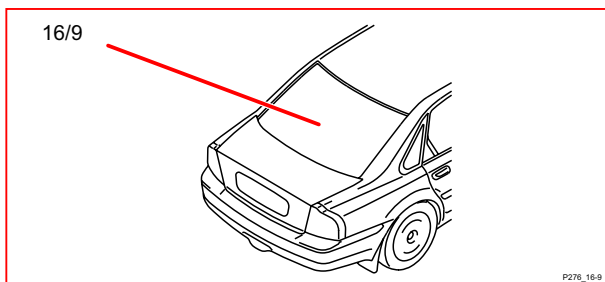
16/6 Left-hand rear door speaker



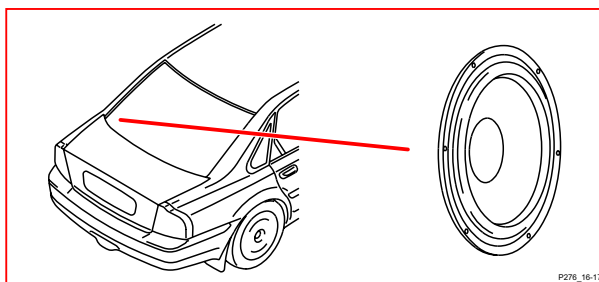
Component illustrations

16/9 - 16/36

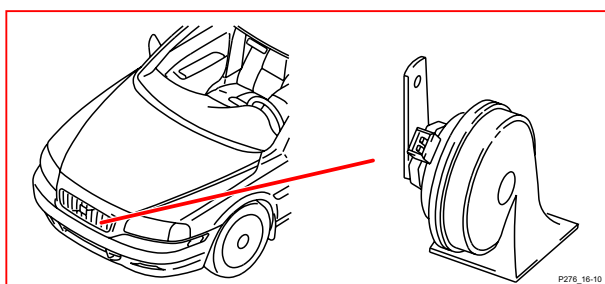
16/9 Window antenna



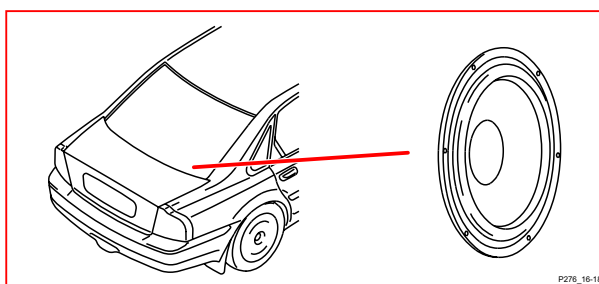
16/17 Left-hand speaker, rear shelf



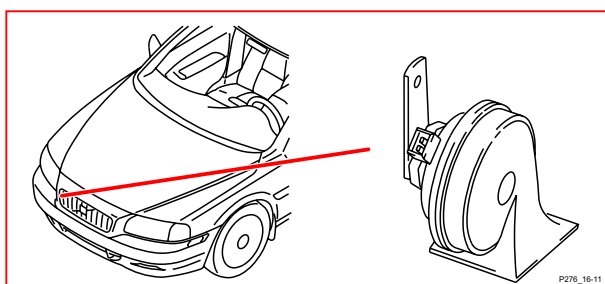
16/10 Horn 1



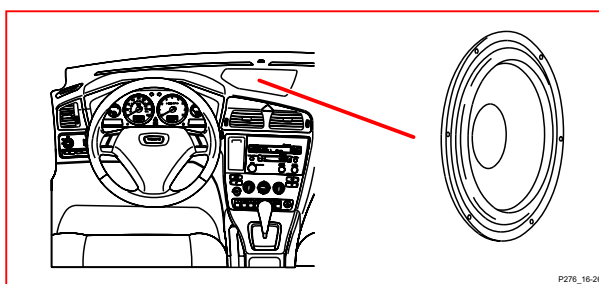
16/18 Right-hand speaker, rear shelf



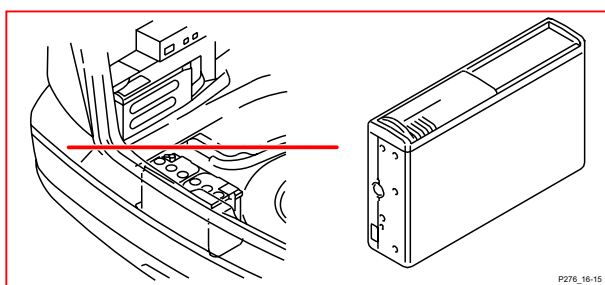
16/11 Horn 2



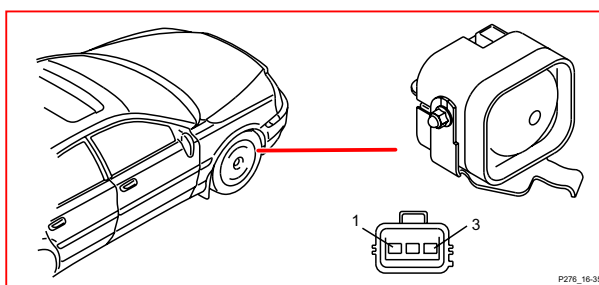
16/26 Center dashboard speaker



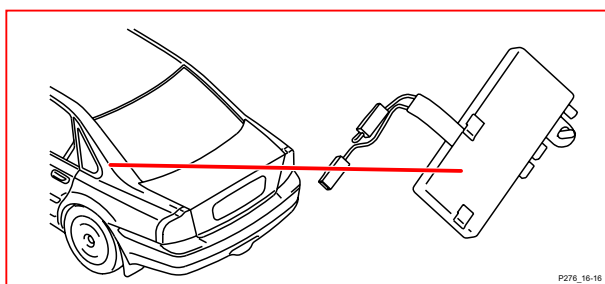
16/15 CD changer



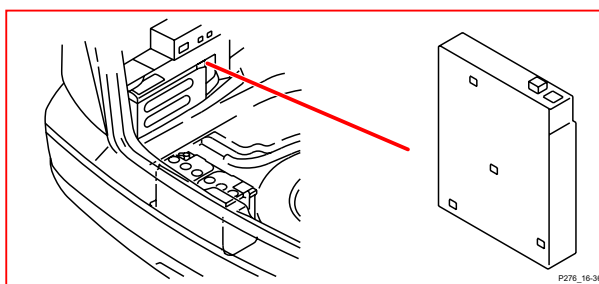
16/35 Siren Control Module (SCM)



16/16 Window antenna amplifier



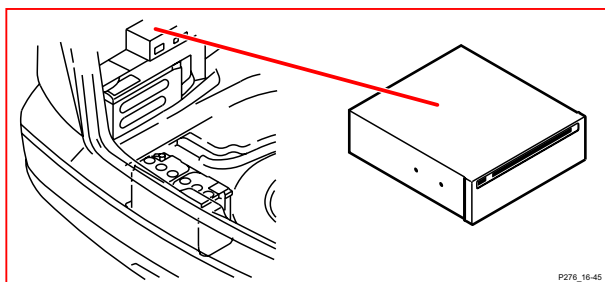
16/36 TV receiver



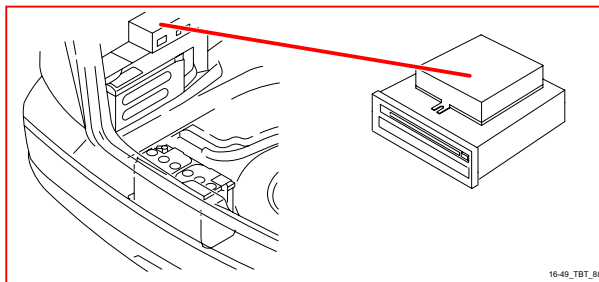
Component illustrations

16/45 - 16/62

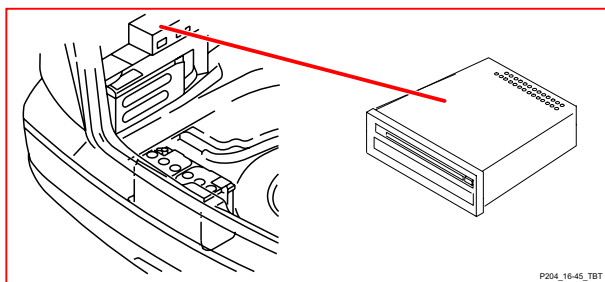
16/45 Road Traffic Information module (RTI)



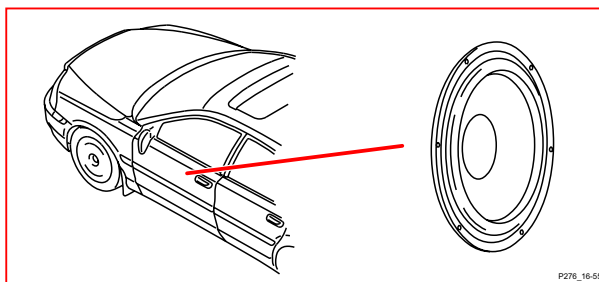
16/49 Traffic Message Channel module (TMC)



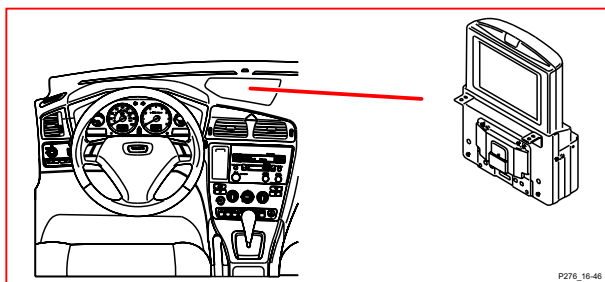
16/45 Road Traffic Information module (RTI), Turn-by-turn



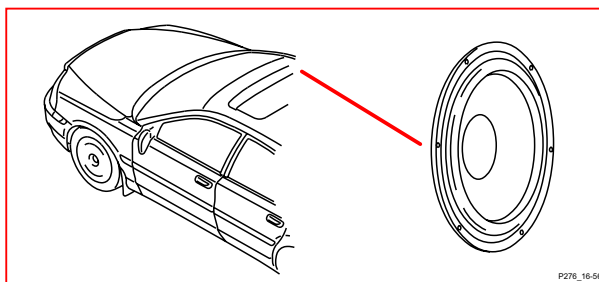
16/55 Left-hand front tweeter



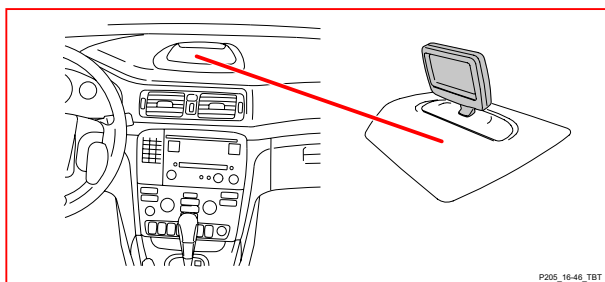
16/46 RTI display



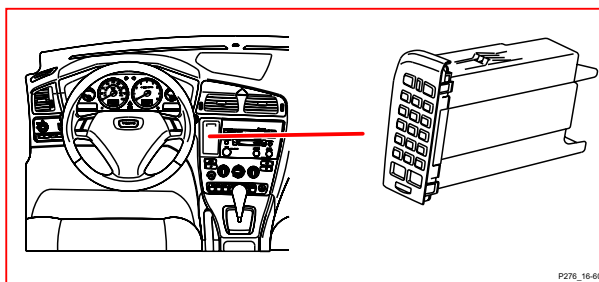
16/56 Right-hand front tweeter



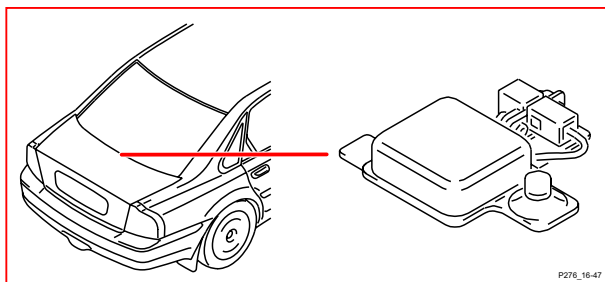
16/46 RTI display, Turn-by-turn



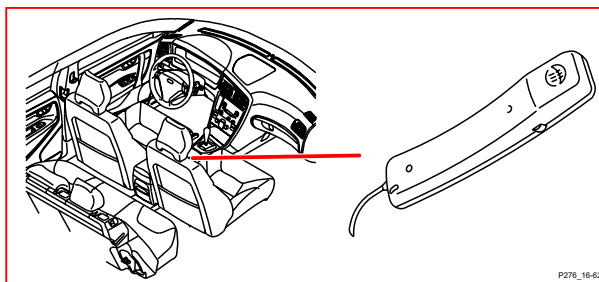
16/60 Phone Module (PHM)



16/47 GPS antenna RTI



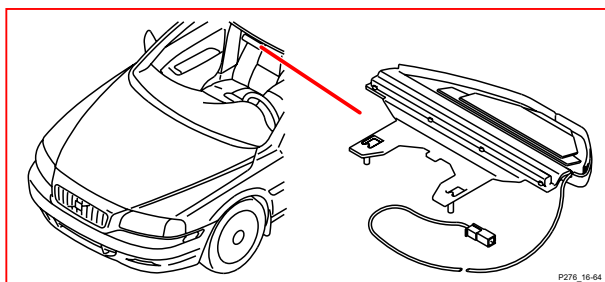
16/62 Hand unit, mobile phone



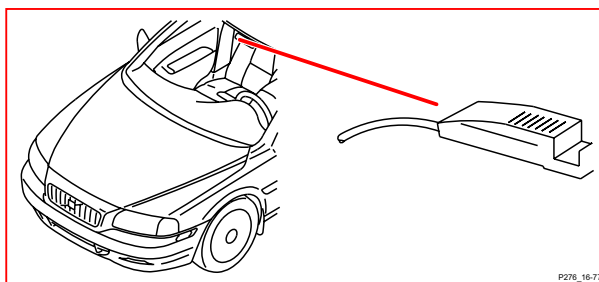
Component illustrations

16/64 - 16/126

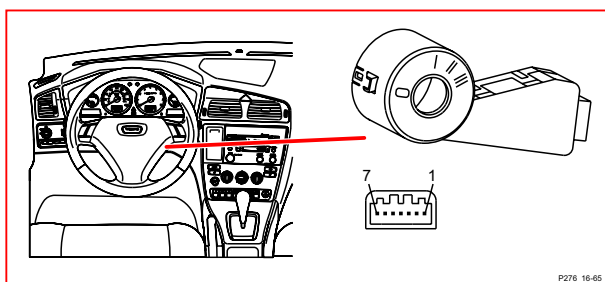
16/64 Antenna, mobile telephone



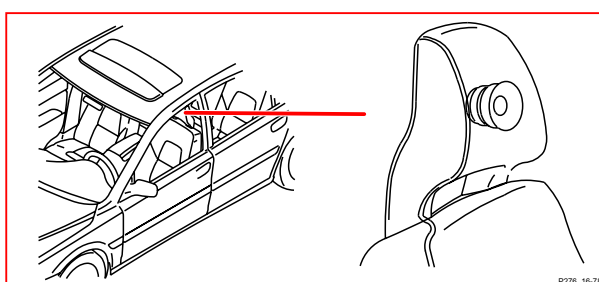
16/77 Microphone, mobile telephone



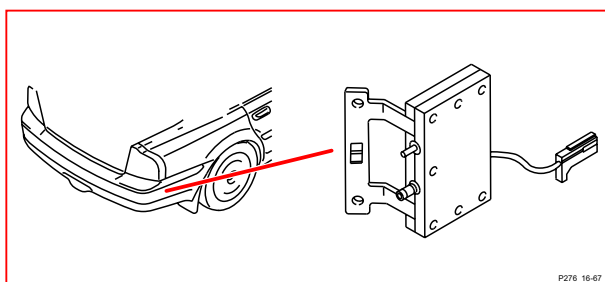
16/65 Antenna ring/ignition switch illumination



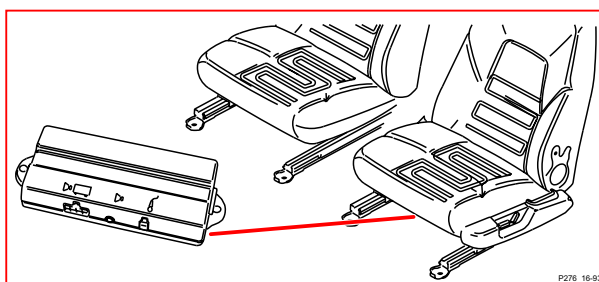
16/78 Speaker, mobile telephone



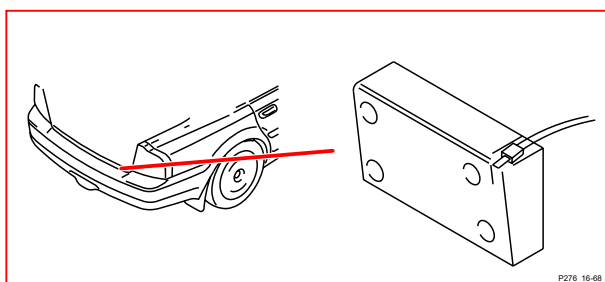
16/67 Amplifier antenna, bumper



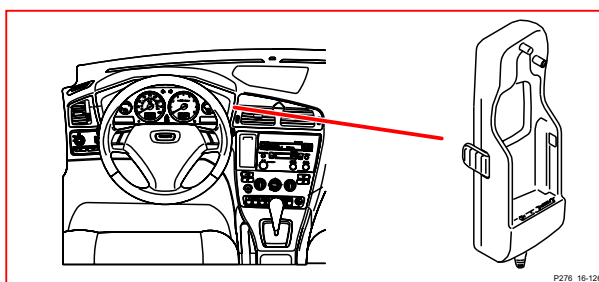
16/93 Control module, cellular telephone handsfree



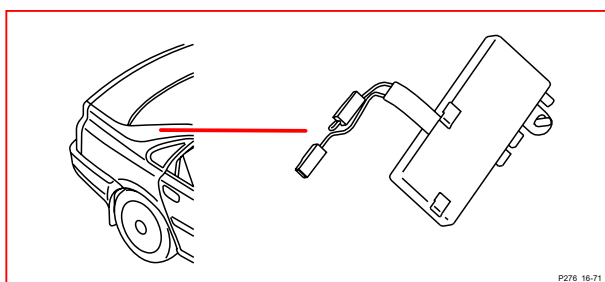
16/68 Antenna, bumper



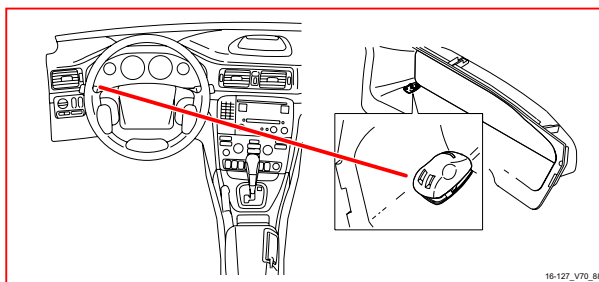
16/126 Holder, cellular telephone handsfree



16/71 Window antenna amplifier 1, right



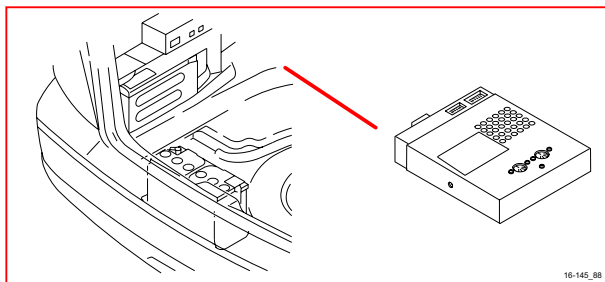
16/127 Microphone, cellular telephone handsfree



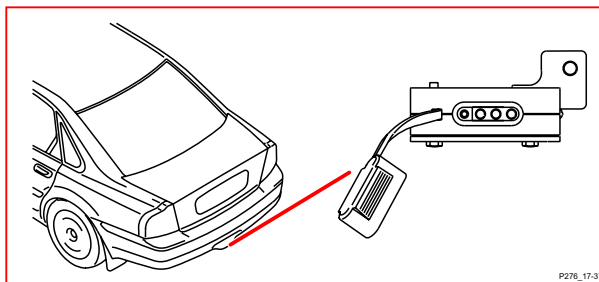
Component illustrations

16/145 - 20/8

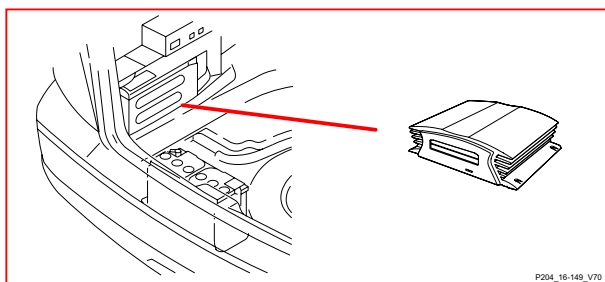
16/145 Satellite radio receiver



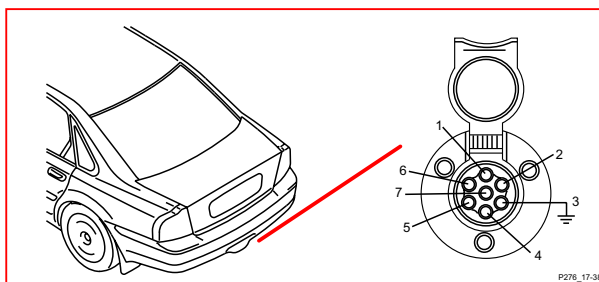
17/37 4-pin outlet, towbar cable harness



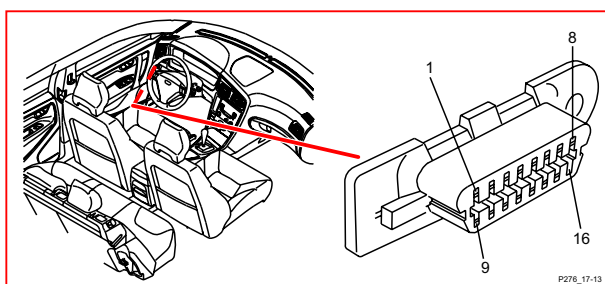
16/149 MP3 player



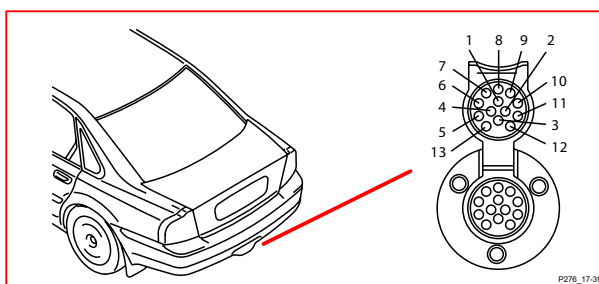
17/38 7-pin outlet, tow hitch cable harness



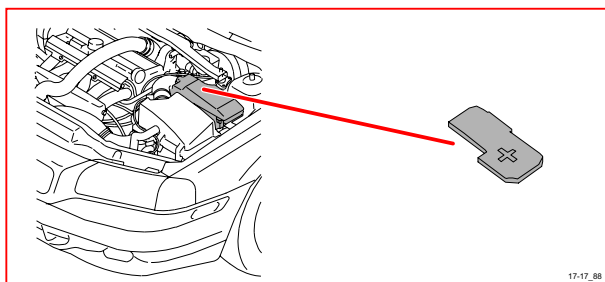
17/13 Data link connector



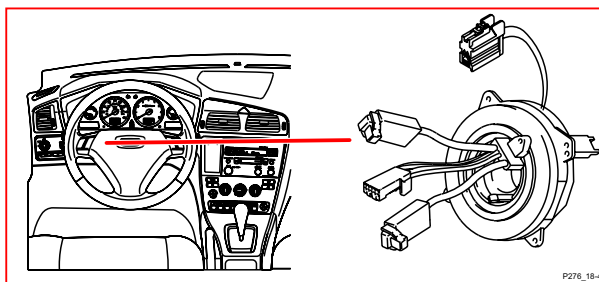
17/39 13-pin outlet, tow hitch cable harness



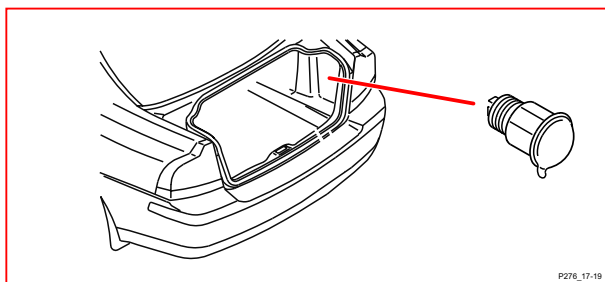
17/17 Jump start connection



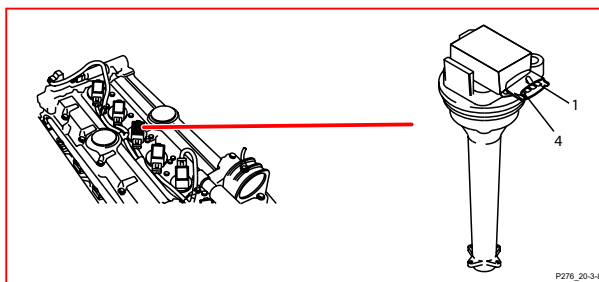
18/4 Contact reel



17/19 12V outlet, cargo compartment



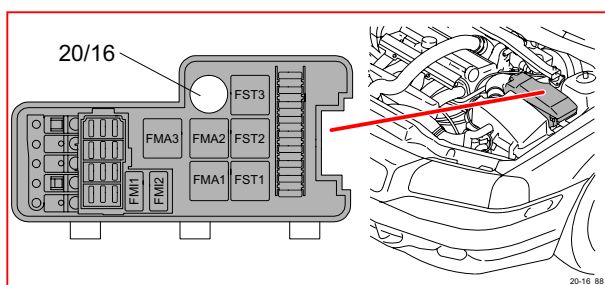
20/3-8 Spark plug and ignition coil



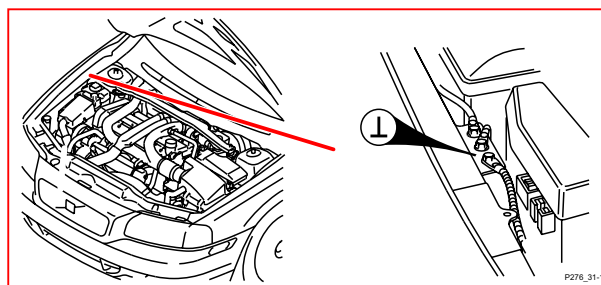
Component illustrations

20/16 - 31/6

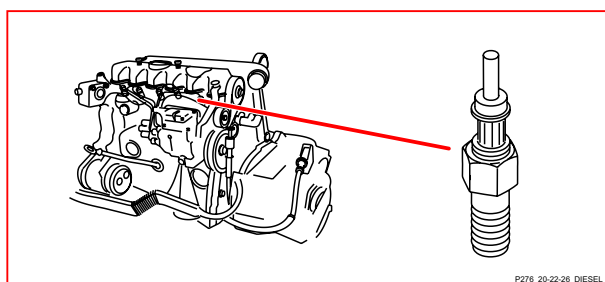
20/16 Capacitor



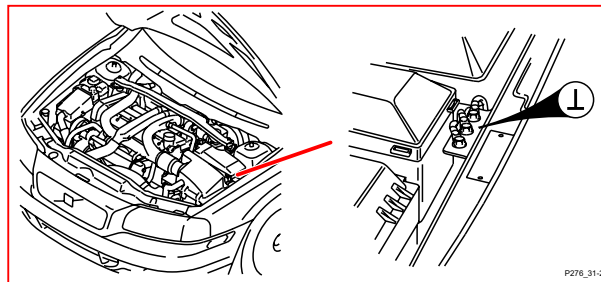
31/1 Ground connection, right MacPherson strut tower



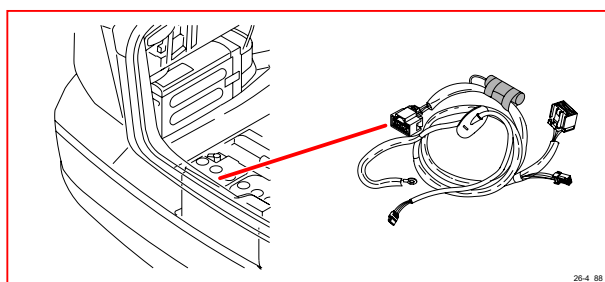
20/22-26 Glow plug



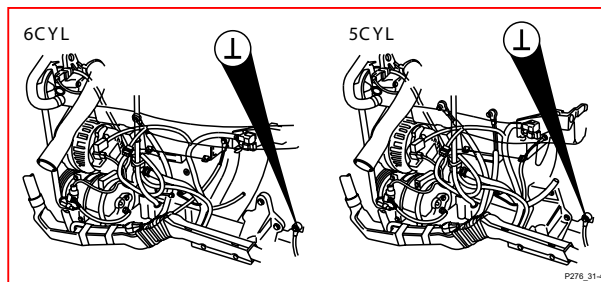
31/2 Ground connection, left MacPherson strut tower



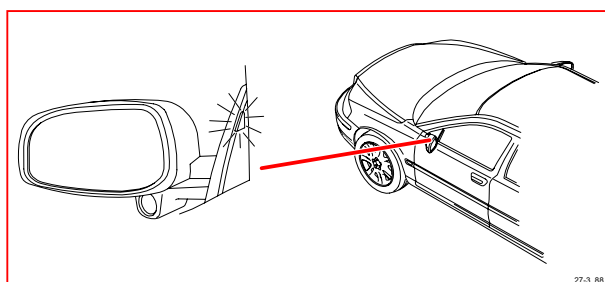
26/4 Cable harness, tow hitch cable harness



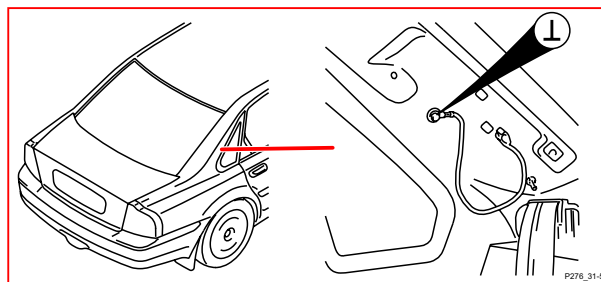
31/4 Ground connection, engine



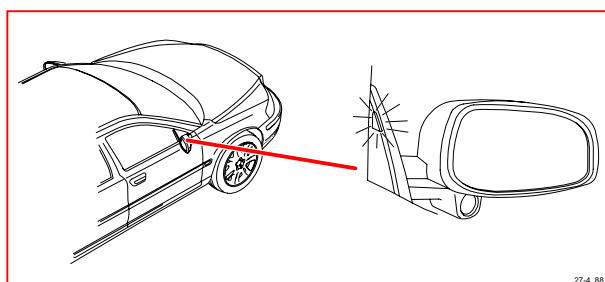
27/3 Left Camera Module (LCM)



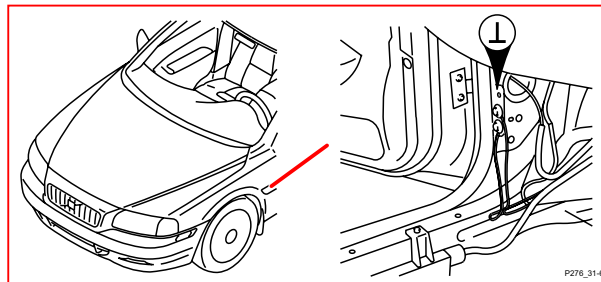
31/5 Ground connection, right D-post



27/4 Right-hand Camera Module (RCM)



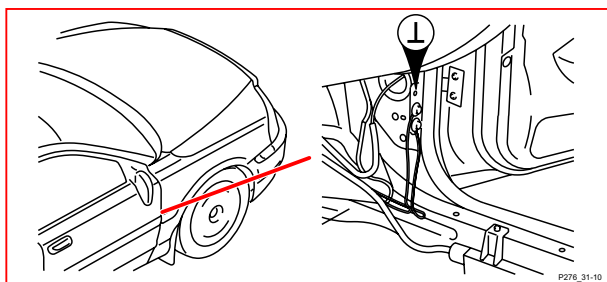
31/6 Ground connection, driver's side A-post



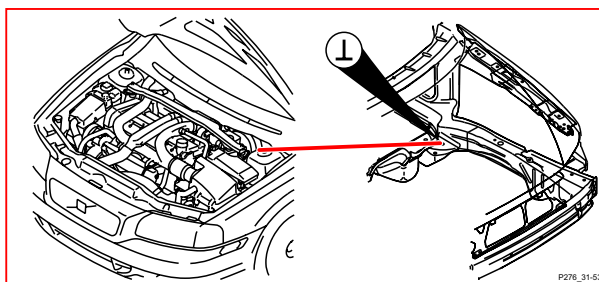
Component illustrations

31/10 - 31/72

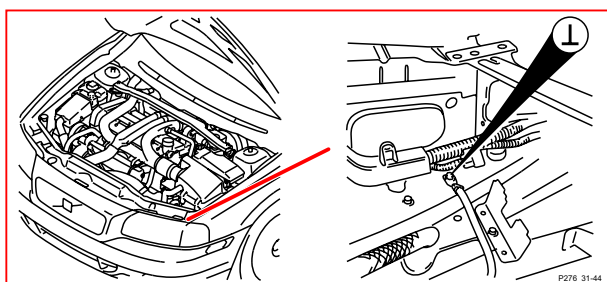
31/10 Ground connection, A-post right side



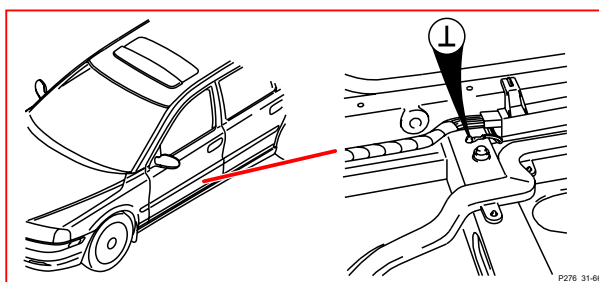
31/53 Ground connection, firewall



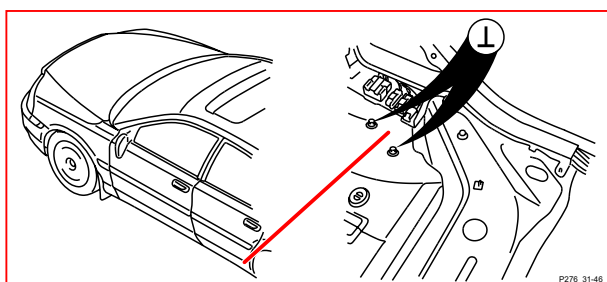
31/44 Ground connection, left side member, lower engine compartment



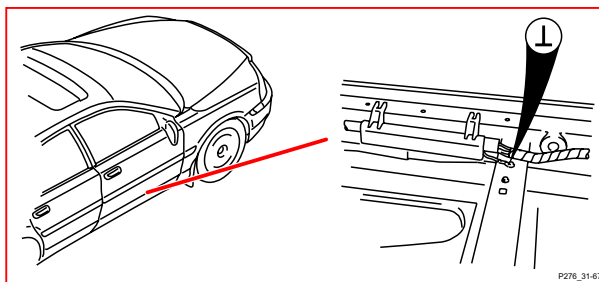
31/66 Ground connection, front seat riser, left-hand side



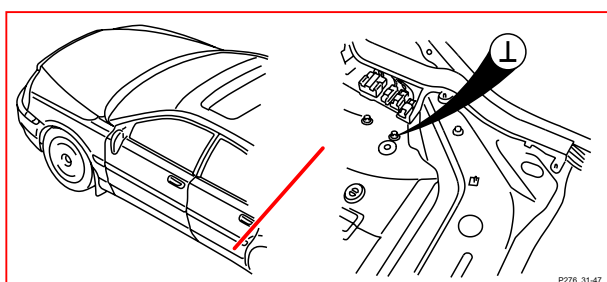
31/46 Ground connection, rear left seat riser



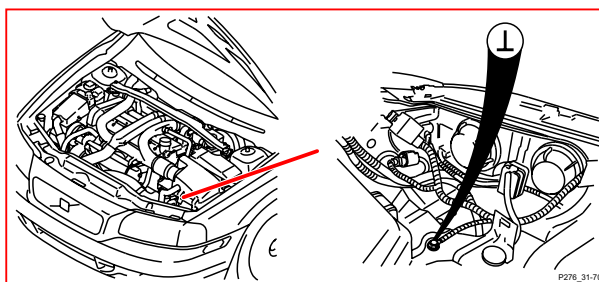
31/67 Ground connection, front seat riser, right-hand side



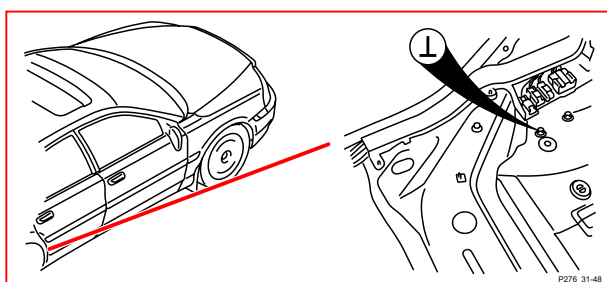
31/47 Ground connection, rear right seat riser



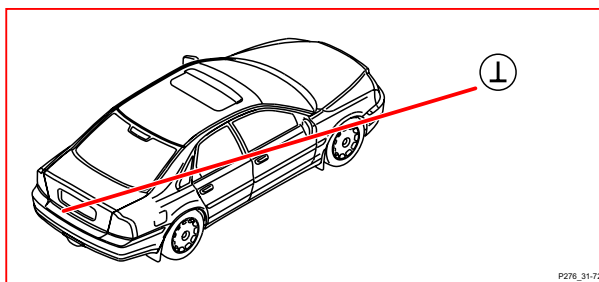
31/70 Ground connection, left side member, lower engine compartment



31/48 Ground connection, rear right seat riser



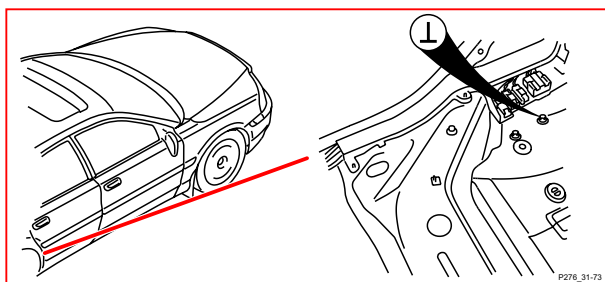
31/72 Ground connection, cargo compartment



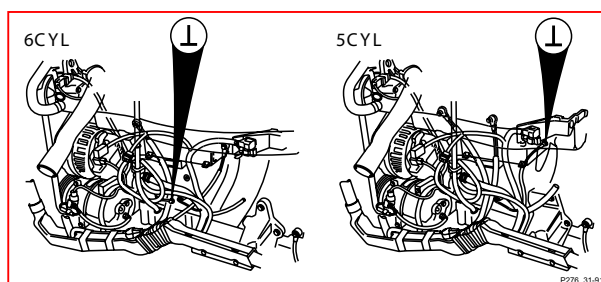
Component illustrations

31/73 - 31/96

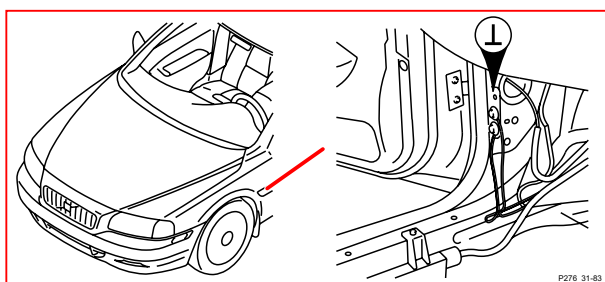
31/73 Ground connection, rear right seat riser



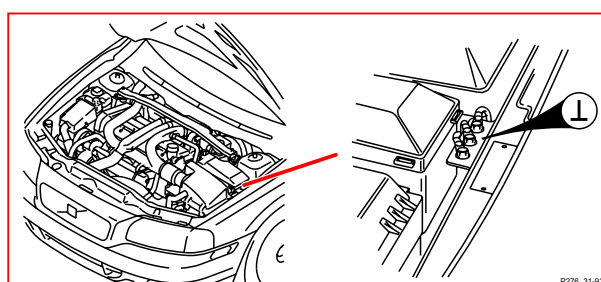
31/91 Ground connection, engine



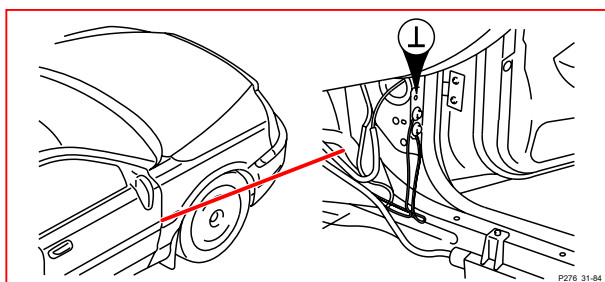
31/83 Ground connection, left-hand side A-post



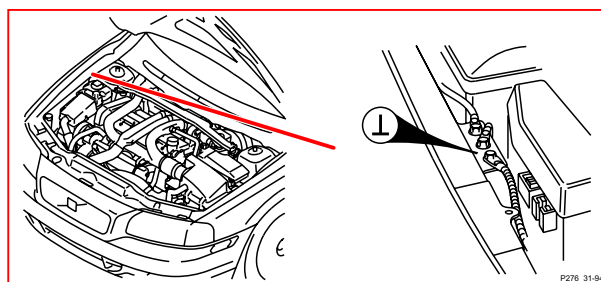
31/93 Ground connection, left MacPherson strut tower



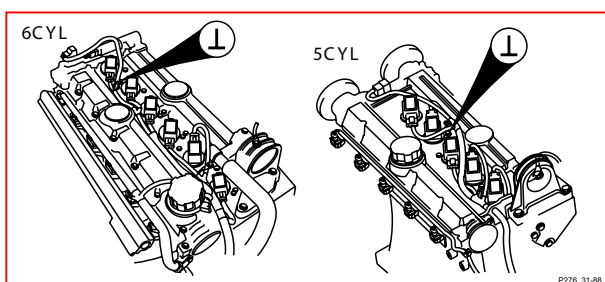
31/84 Ground connection, A-post right side



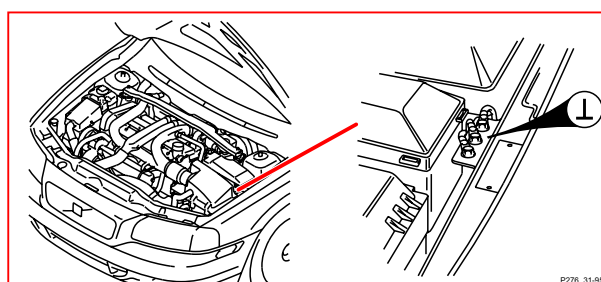
31/94 Ground connection, right MacPherson strut tower



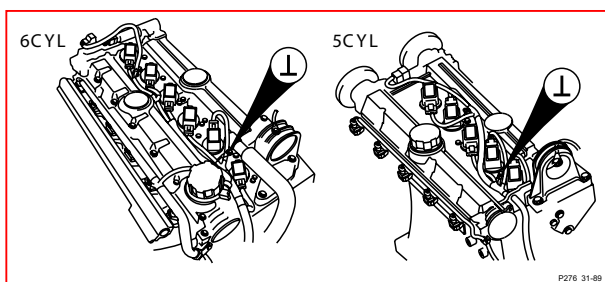
31/88 Ground connection, Engine ignition coil group 1



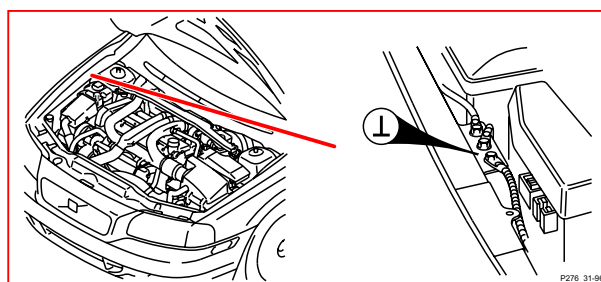
31/95 Ground connection, left MacPherson strut tower



31/89 Ground connection, Engine ignition coil group 2



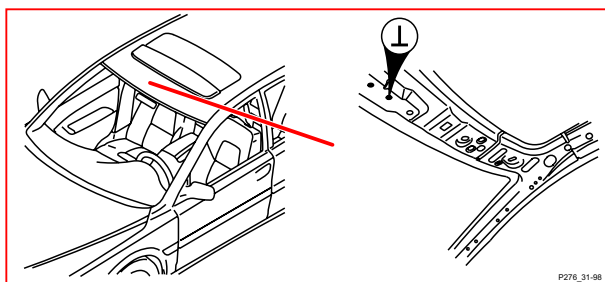
31/96 Ground connection, right MacPherson strut tower



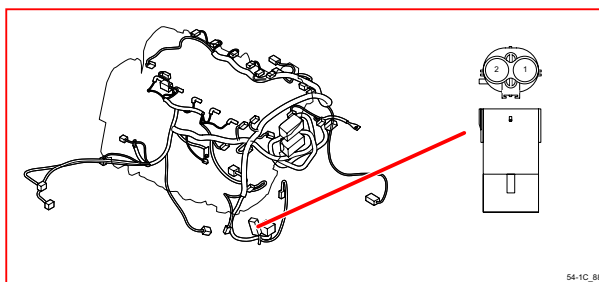
Component illustrations

31/98 - 54/7

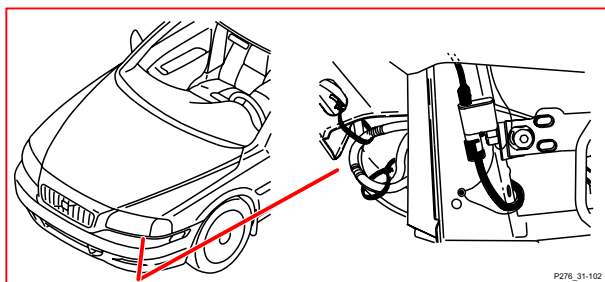
31/98 Ground connection, upper windshield member



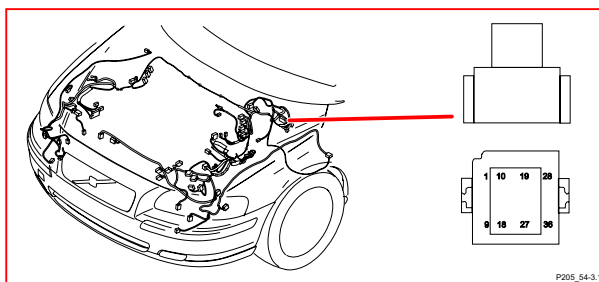
54/1C Connector



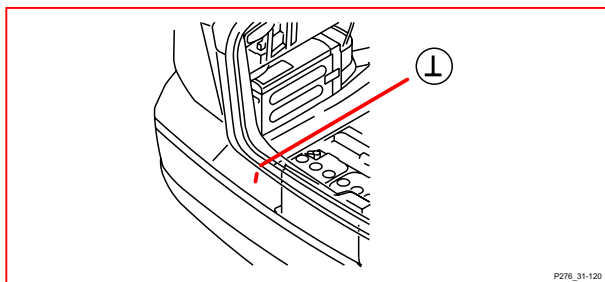
31/102 Ground connection, front member



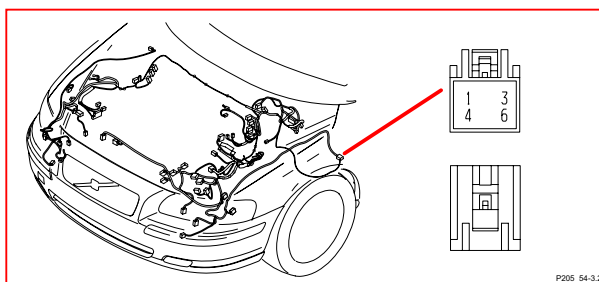
54/3.1 Connector



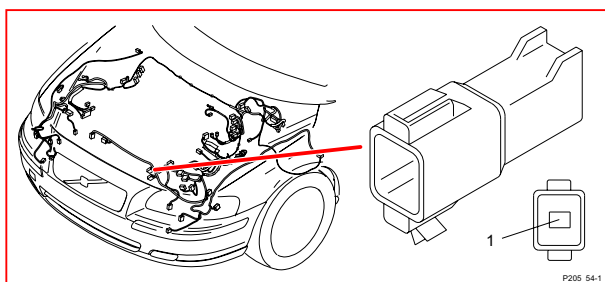
31/120 Ground connection, cargo compartment



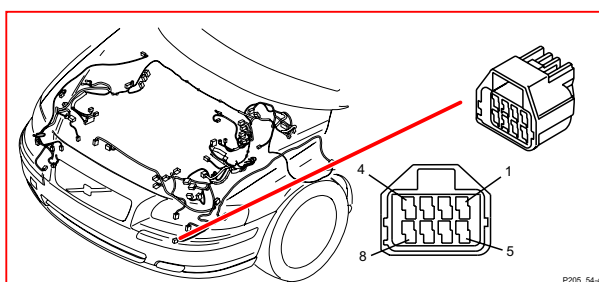
54/3.2 Connector



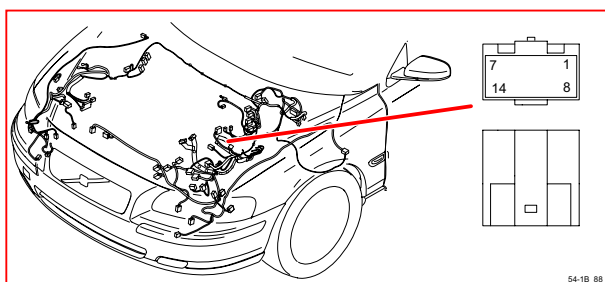
54/1 Connector



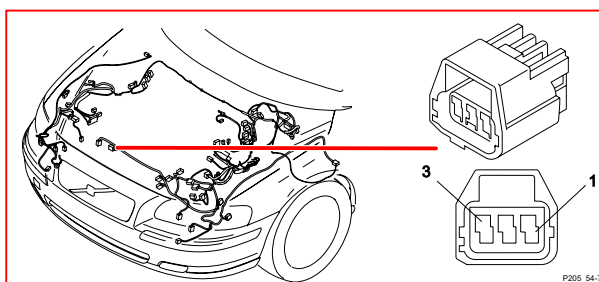
54/4 Connector



54/1B Connector



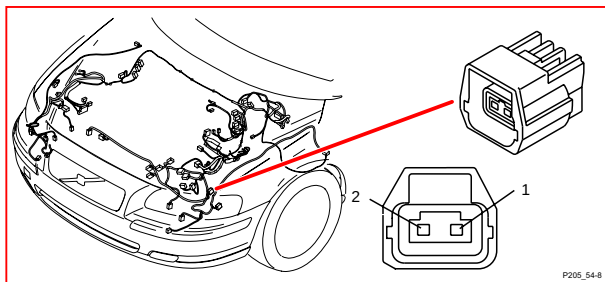
54/7 Connector



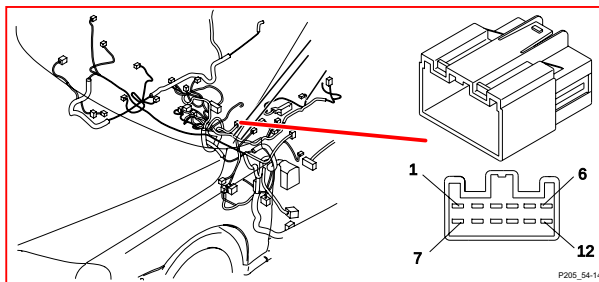
Component illustrations

54/8 - 54/23

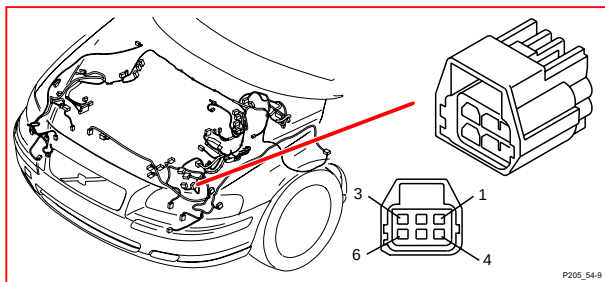
54/8 Connector



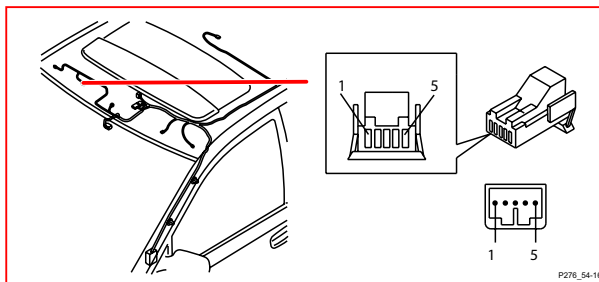
54/14 Connector



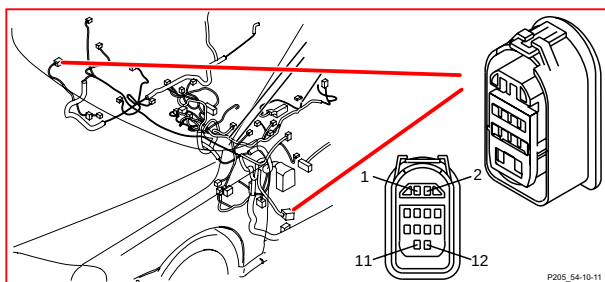
54/9 Connector



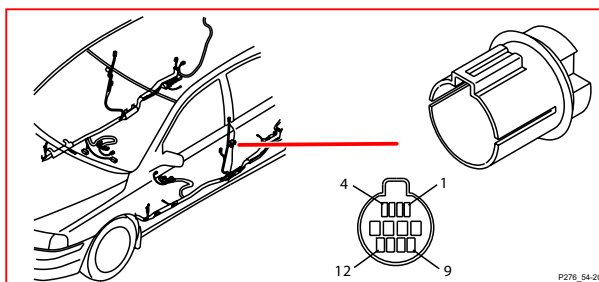
54/16 Connector



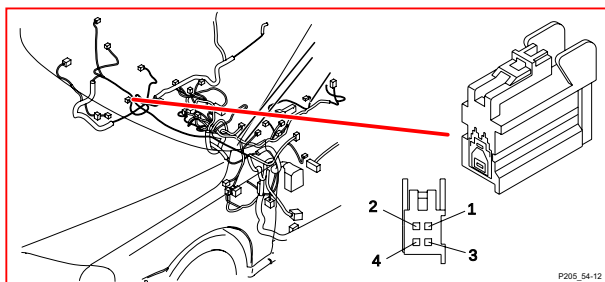
54/10-11 Connector



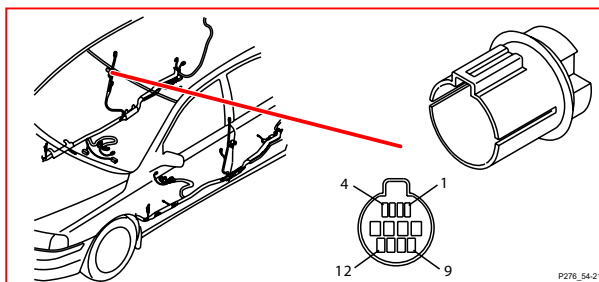
54/20 Connector



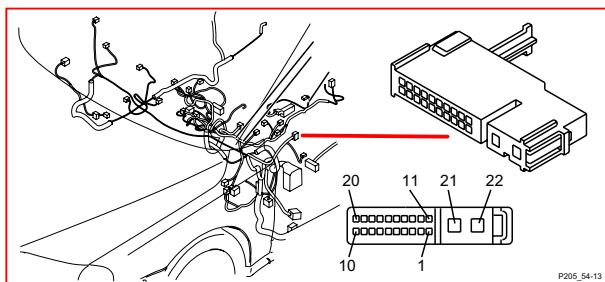
54/12 Connector



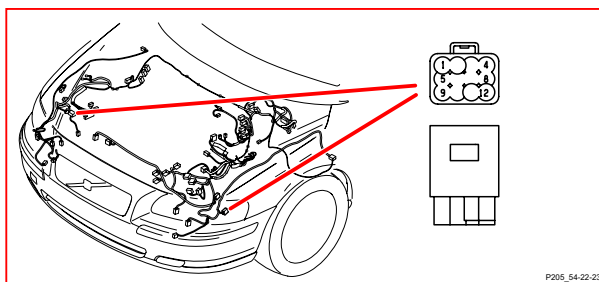
54/21 Connector



54/13 Connector



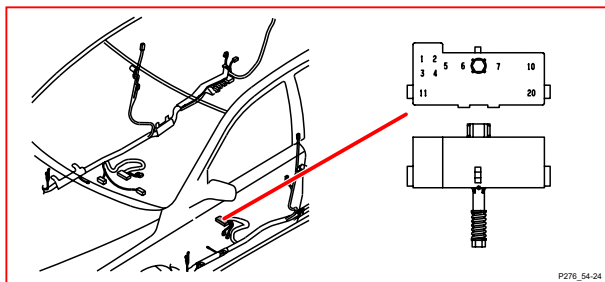
54/22-23 Connector



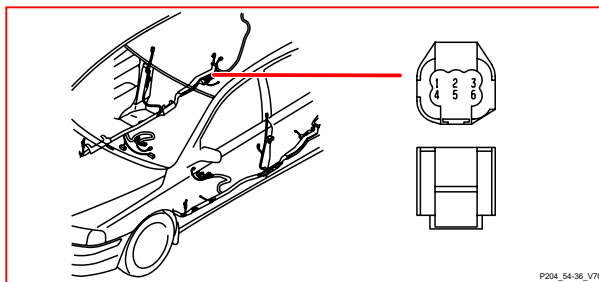
Component illustrations

54/24 - 54/53

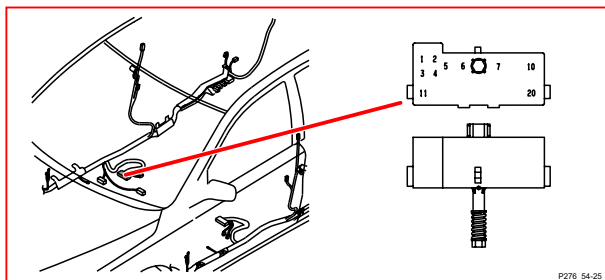
54/24 Connector



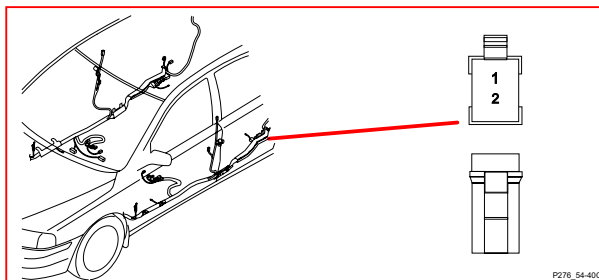
54/36 Connector



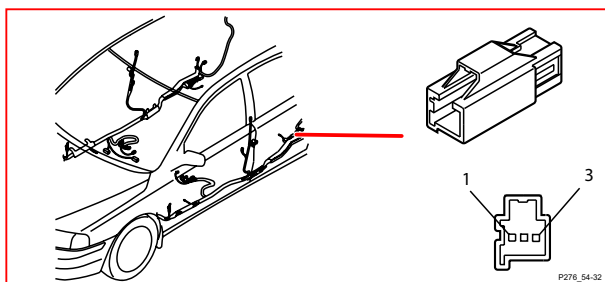
54/25 Connector



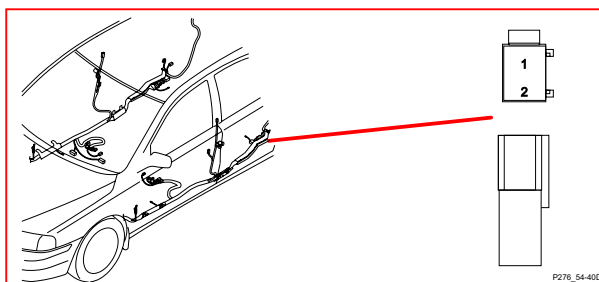
54/40C Connector



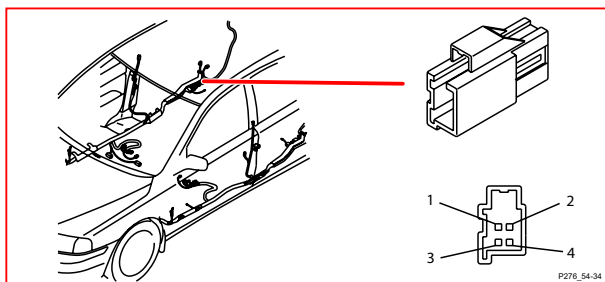
54/32 Connector



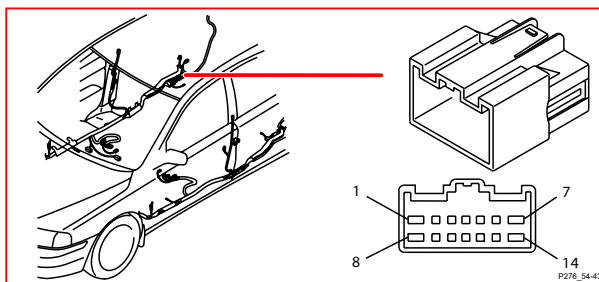
54/40D Connector



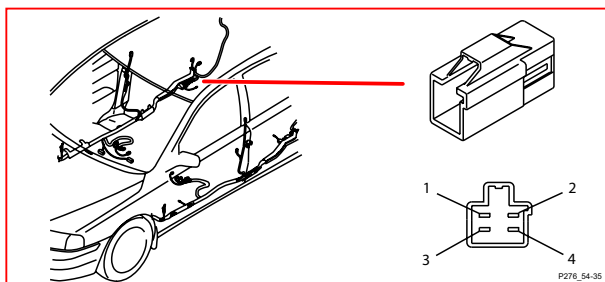
54/34 Connector



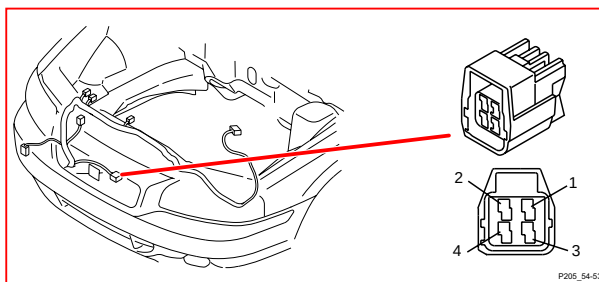
54/43 Connector



54/35 Connector



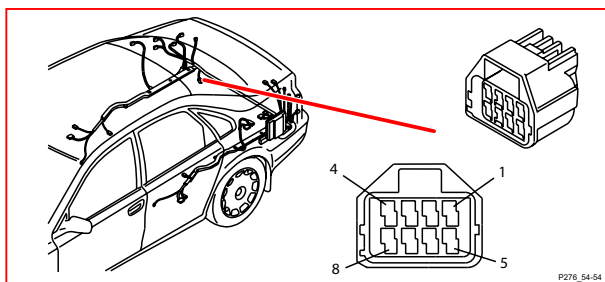
54/53 Connector



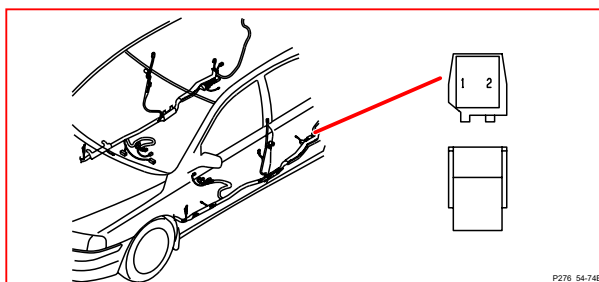
Component illustrations

54/54 - 54/132

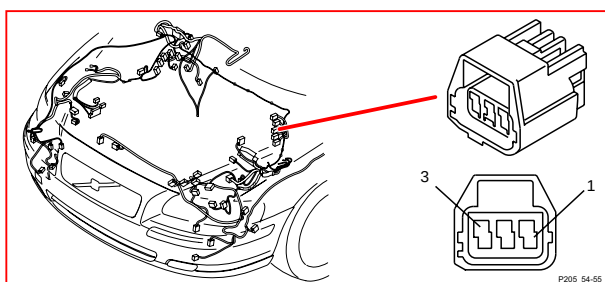
54/54 Connector



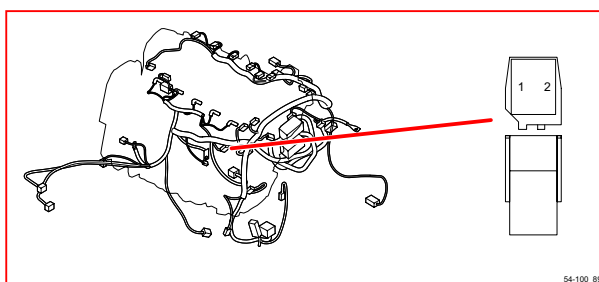
54/74B Connector



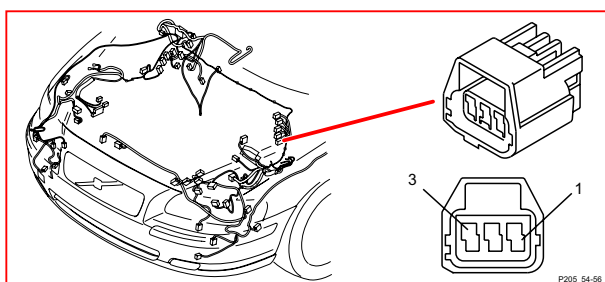
54/55 Connector



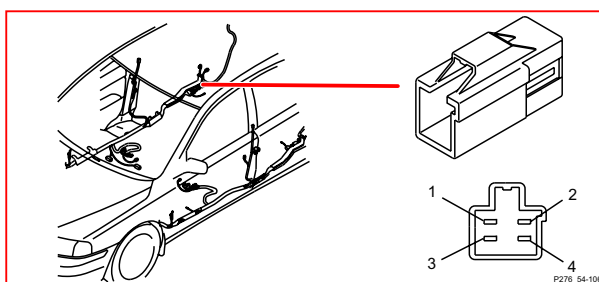
54/100 Connector



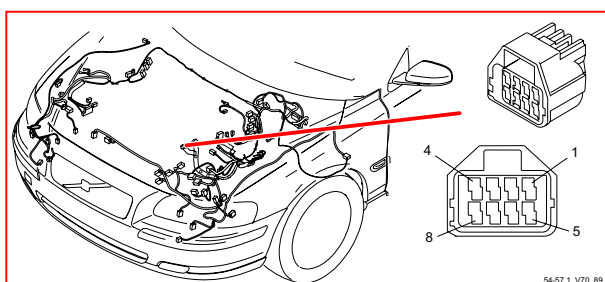
54/56 Connector



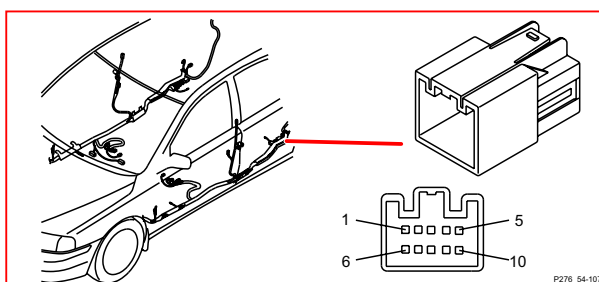
54/106 Connector



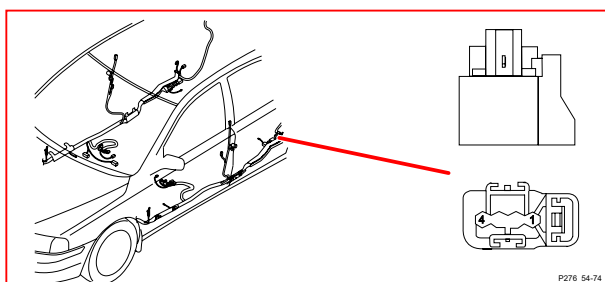
54/57.1 Connector



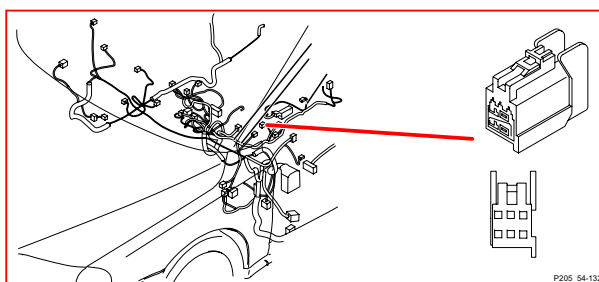
54/107 Connector



54/74 Connector



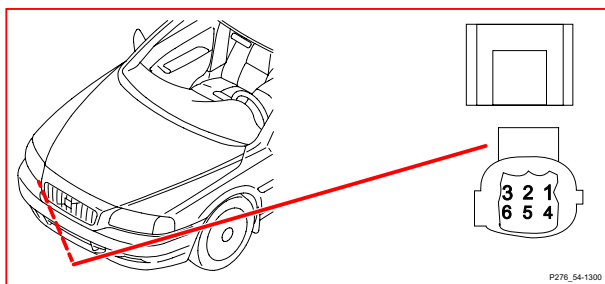
54/132 Connector



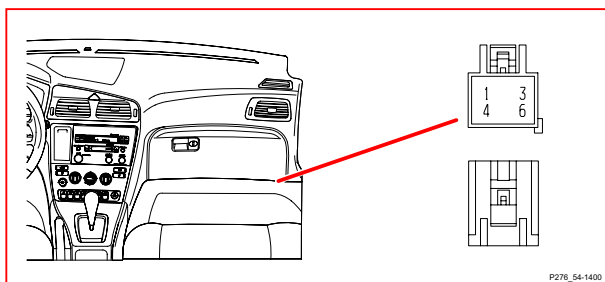
Component illustrations

54/1300 - 54/1400

54/1300 Connector



54/1400 Connector



Index 1:2

12V outlet	87
12V outlet, cargo compartment	88

A

Abbreviations	5
Accessories 74, 84, 88, 89, 90, 91, 101, 102, 103, 104, 105, 106, 107, 108, 135, 136, 137	
Accessory Electronic Module (AEM)	84
Additional electrical equipment, Group 36	75
Anti-theft alarm	82
Audio	98
Audio adapter cable harness	108
Audio with auxiliary amplifier	96
Automatic transmission 4T65EV	110
Automatic transmission AW55-50SN/AW50 AWD	109
Automatic transmission TF-80SC AWD	111
Automatic transmission TF-80SC, I5D	112
Auxiliary lights, accessory	74

B

Beam length adjustment	73
Bi-Fuel harness	182
Brake Control Module (BCM)	116
Brake lights	67
Brake system, Group 59	116
Branching points	161

C

Cable harness routing in vehicle	171, 172
Cargo compartment harness	178
CD changer	105
Cellular phone	99
Central Electronic Module (CEM)	34
Central locking	119
Climate control system	130
Climate control system I5D	132
Climate control system, Group 87	129
Color abbreviations	5
Component illustrations	183
Connectors	141
Control modules	32
Cooling fan	57
Cooling fan I5D	58
Cooling system, Group 26	57
Countries/Markets, abbreviations	5
Cruise control	59
Cruise control, I5D	60

D

Data communication low speed CAN	38
Diagnostics system	86
Differential Electronic Module (DEM)	115
Direction indicator	76
Door harness	181
Doors and openings, Group 83	119
Driver information module	93
Driver information module Bi-Fuel	95
Driver information module, I5D	94

E

Electrically adjustable head restraint	139
Electronic immobilizer	81
Electronic power steering	117
Emission control, 5-cyl	55
Emission control, 5-cyl Turbo & 6-cyl	56
Engine compartment FMA1 - FST3	22

Engine compartment harness	174, 175
Engine control, Group 27	59
Engine harness, Diesel	173
Engine harness, Gasoline	171
Engine management system, 5-cyl	42
Engine management system, 5-cyl Turbo	44
Engine management system, 6-cyl	46
Engine management system, Bi-Fuel	48
Engine management system, Diesel	50
Engine management system, Diesel, I5D	52
Exterior decorative elements etc., Group 84	122

F

Fog lights	66
Four-C	118
Fuel system, Group 23	42
Fuses	10
Fuses by the battery, 11E	16
Fuses in the engine compartment distribution box	10
Fuses in the engine compartment, 11A	10
Fuses in the passenger compartment, 11C	16
Fuses, Central Electronic Module (CEM)	17
Fuses, Rear Electronic Module (REM)	19

G

Geartronic	113
Generator and voltage regulator, Group 32	61
Ground connections	24
Groups	5

H

Handsfree MAX	104
Handsfree, accessory	103
Heated door mirrors	123
Heated rear window	124
Heated seats	128
High and low beam	65
High and low beam (Bi-Xenon) S60	63
High and low beam (Bi-Xenon) S80	64
High pressure headlight washer	79
Home safe lighting	71
Horn	80
How to use the wiring diagrams	6

I

Ignition switch and relays	21
Ignition switch symbols	5
Instruments, Group 38	92
Interior equipment, Group 85	126
Interior lighting	72, 73
Internal equipment, Group 88	138

L

LIN data communication	40
List of components	236
List of symbols	7

M

MP3 player	106
------------------	-----

O

Other, Group 39	96
Overview of control module designations	33
Overview of control module locations	32
Overview of electrical distribution	8

Index 2:2

P

Parking assistance	83
Parking heater, auxiliary heater	134
Parking heater, Call start	136
Parking heater, remote start	135
Passenger compartment harness	176, 177
Power door mirrors	122
Power door mirrors with camera function	125
Power driver's seat	126
Power passenger seat	127
Power sunroof	121
Power supply	61
Power windows	120

R

Rain sensor	75
Rear Electronic Module (REM)	36
Relay, electric engine heater	129
Relays	21
Remote garage door opener	140
Reversing lights	68
Road Traffic Information (RTI) and CD changer	101
Road Traffic Information module (RTI)	100
Roof harness	179
Running/parking lights, tail lights & license plate lighting S60	69
Running/parking lights, tail lights & license plate lighting S80	70

S

Satellite radio	107
Seat belt reminder	92
Shift lock	114
Shock absorbers, Group 76	118
Short stop heater	137
Starting system	62
Starting system, Group 33	62
Steering, Group 64	117
Supplemental Restraint System (SRS)	138

T

Table of Contents	3
Towbar cable harness, 13-pin	91
Towbar cable harness, 4-pin	89
Towbar cable harness, 7-pin	90
Transmission, Group 43	109
Trunk lid/tailgate harness	180
Turn-by-turn navigation system	102

W

Wiper/washer, headlights	78
Wiper/washer, windshield	77
Wiring and fuses, Group 37	86

List of components 1:6

1/1	Battery	3/117	Switch unit, dome light
2/14	Relay, glow plug unit	3/126	Driver/Passenger Door Module (DDM)/(PDM)
2/22	Relay, climate control system	3/127	Passenger/Driver Door Module (PDM)/(DDM)
2/32	Main relay, engine management system	3/131	Steering wheel switch right (SWSR), S60
2/35	Starter motor relay	3/131	Steering wheel switch right (SWSR), S80
2/64	Auxiliary light (accessory) relay	3/135	Switch, RTI, S60
2/90	Relay, windshield wiper, low/high speed	3/135	Switch, RTI, S80
2/91	Relay, intermittent wiping	3/155	Mode selector, automatic transmission
2/182	Relay, high pressure headlight washer motor	3/156	Gear Selector Module (GSM)
2/191	Relay, remote parking heater start, radio signal	3/157	Switch, passenger side airbag
2/192	Relay, electric engine heater	3/171	Switch, retractable door mirrors
2/238	Relay, audio disconnection	3/173	Switch, trunk lid private lock
		3/174	Switch, reduced alarm
		3/225	Switch unit, Continuously Controlled Damping (CCD), S60R
3/1	Ignition switch	3/225	Switch unit, Continuously Controlled Damping (CCD), S80
3/4	Steering wheel switch left (SWSL), S60	3/254	Steering Wheel Module (SWM)
3/4	Steering wheel switch left (SWSL), S80		
3/6	Hazard warning flasher switch S60	4/7	Combustion Preheater Module (CPM)
3/6	Hazard warning flasher switch S80	4/9	Supplemental Restraint System (SRS)
3/8	Switch, heated rear window/door mirrors	4/16	Brake Control Module (BCM)
3/9	Brake light contact	4/28	Transmission Control Module (TCM)
3/10	Reversing light contact	4/28	Transmission Control Module (TCM), TF80-SC/AWD
3/25	Power sunroof switch	4/31	Fan control module
3/26	Switch unit, power driver's seat	4/33	Sunroof Module (SRM)
3/27	Switch unit, power passenger seat	4/46	Engine Control Module (ECM)
3/35	Trunk handle switch	4/46	Engine Control Module (ECM), I5D
3/37	Horn contact, S60	4/50	Electronic Throttle Module (ETM)
3/37	Horn contact, S80	4/52	Power Seat Module (PSM)
3/47	Parking brake contact	4/56	Central Electronic Module (CEM)
3/59	Headlight adjustment control	4/58	Rear Electronic Module (REM)
3/60	Auxiliary light switch	4/68	Steering Wheel Angle Sensor Module (SAS)
3/62	Hood alarm contact	4/70	Upper Electronic Module (UEM)
3/71	Gear selector contact, AW 55-51/51 AWD	4/71	Cooling fan control module
3/71	Gear selector contact, 4T65EV	4/71	Cooling fan control module, I5D
3/74	Lock unit, front left door	4/76	Remote control unit for garage door opener
3/75	Right-hand front door lock unit	4/78	Accessory Electronic Module (AEM)
3/76	Left-hand rear door lock unit	4/82	Differential Electronic Module (DEM)
3/77	Right-hand rear door lock unit	4/83	Fuel pump control module
3/78	Trunk lid lock unit	4/84	Suspension Module (SUM)
3/80	Switch, left-hand central lock	4/86	Parking Assistance Module (PAM)
3/82	Switch, right-hand central lock	4/99	Electronic power steering control module
3/85	Rear left door power window switch	4/106	Control module, remote parking heater start
3/86	Rear right door power window switch	4/107	Control module, parking heater, Call start
3/91	Switch, left-hand heated seat	4/109	Glow plug control module
3/92	Switch, right-hand heated seat	4/110	Trailer Module (TRM)
3/93	Switch, left-hand seat belt buckle		
3/94	Switch, right-hand seat belt buckle		
3/95	Spin control switch		
3/111	Light Switch Module (LSM)		
3/112	Climate Control Module (CCM)	5/1	Driver Information Module (DIM)
3/113	Rear adjustable head restraint relay		

List of components 2:6

6/1	Windshield wiper motor	7/8	Pressure sensor, climate control system
6/3	Right-hand headlight wiper motor	7/10	Interior temperature sensor
6/4	Left-hand headlight wiper motor	7/11	Outside temperature sensor
6/15	Sunroof motor	7/12	Solar sensor, twilight sensor and indicator alarm
6/16	Driver seat motor, backrest angle	7/15	Heated oxygen sensor, front
6/17	Driver seat motor, up/down front edge	7/15	Front heated oxygen sensor, 6-cyl.
6/18	Driver seat motor, up/down rear edge	7/15	Front heated oxygen sensor, I5D
6/19	Driver seat motor, forward/backward	7/16	Coolant temperature sensor
6/20	Passenger seat motor, forward/backward	7/17	Mass airflow sensor (MAF)
6/25	starter motor	7/23	Rear knock sensor
6/26	Alternator Control Module (ACM)	7/24	Front knock sensor
6/28	Motor, passenger compartment fan	7/25	Impulse sensor, gasoline
6/29	Motor, cooling fan	7/25	Impulse sensor, Diesel
6/29	Cooling fan motor, I5D	7/31	Left-hand front ABS sensor
6/31	Feed pump, ejectors	7/32	Right-hand front ABS sensor
6/33	Fuel pump	7/35	Oil level sensor
6/35	Fuel pump, auxiliary heater	7/41	Temperature sensor, evaporator
6/37	Lock motor, fuel filler cover	7/51	Accelerator pedal sensor
6/38	Left-hand headlight level adjustment motor	7/56	Left-hand rear ABS sensor
6/39	Right-hand headlight adjustment motor	7/57	Right-hand rear ABS sensor
6/44	Cooling fan, electrics box, engine compartment	7/61	Input speed sensor
6/48	Damper Motor Module (DMM), recirculation	7/61	Input speed sensor, TF-80SC/AWD
6/58	Motor, front left power window	7/62	Output speed sensor
6/60	Motor, front right power window	7/62	Output speed sensor, TF-80SC/AWD
6/62	Left-hand power door mirror	7/73	Coolant level sensor
6/63	Right power door mirror	7/74	Fluid temperature sensor, automatic transmission
6/64	Passenger seat motor, backrest angle	7/74	Fluid temperature sensor, automatic transmission, TF-80S/ AWD
6/65	Passenger seat motor, up/down front edge	7/81	Pressure sensor, intake manifold
6/66	Passenger seat motor, up/down rear edge	7/82	Heated oxygen sensor, rear
6/67	Pump, fuel leakage control	7/82	Rear heated oxygen sensor, 6-cyl.
6/69	Damper Motor Module (DMM)	7/87	Acceleration sensor, Four-C, front left
6/71	Valve, speed-dependent power steering	7/88	Acceleration sensor, Four-C, front right
6/73	Coolant pump, auxiliary heater	7/89	Acceleration sensor, Four-C, rear left
6/92	Motor, rear left power window	7/91	Steering angle sensor
6/93	Motor, rear right power window	7/93	Occupant Weight Sensor (OWS)
6/95	Damper Motor Module (DMM), temperature, left	7/100	Inclination Sensor Module (ISM)
6/96	Damper Motor Module (DMM), temperature, right	7/103	Heated oxygen sensor 3
6/102	Damper Motor Module (DMM), defroster	7/104	Heated oxygen sensor 4 (diagnostic sensor), S80
6/103	Damper Motor Module (DMM), floor/ventilation	7/105	Outside temperature sensor, engine control module
6/104	High pressure headlight washer motor	7/108	Left-hand rear side impact sensor
6/105	Fuel distributor, gas	7/109	Right-hand rear side impact sensor
6/114	Vacuum pump	7/110	Left-hand seat temperature sensor
6/118	Regulator motor, swirl throttle	7/111	Right-hand seat temperature sensor
6/120	Engine throttle body	7/115	Left-hand front side impact sensor
6/120	Throttle body motor, I5D	7/116	Right-hand front side impact sensor
6/127	Washer motor	7/118	Acceleration sensor, shock absorber, Four-C, front left
6/143	Regulator motor, turbo	7/119	Acceleration sensor, shock absorber, Four-C, front right
7/4	Brake fluid level sensor		
7/5	Washer fluid level sensor		
7/6	Oil pressure sensor		

List of components 3:6

7/120	Rear left angle sensor, Four-C/Bi-Xenon	8/28	Turbo control valve
7/121	Rear right angle sensor, Four-C/Bi-Xenon	8/30	Driver's side airbag igniter S60
7/122	Mass movement sensor, front	8/30	Driver's side airbag igniter S80
7/123	Clutch pedal sensor	8/31	Passenger side airbag igniter
7/124	Brake pedal sensor	8/32	Igniter, passenger side airbag stage 2
7/129	Brake pressure sensor 2	8/33	Front left belt tensioner igniter
7/130	Fuel level sensor, ejector side	8/34	Front right seat belt tensioner igniter
7/131	Parking assistance sensor, rear 1	8/36	Shift lock solenoid
7/132	Parking assistance sensor, rear 2	8/37	Automatic transmission,
7/133	Parking assistance sensor, rear 3		TF-80SC/AWD
7/134	Parking assistance sensor, rear 4	8/37	Automatic transmission,
7/139	Brake pressure sensor 1		AW55-51/51 AWD
7/143	Fuel level sensor, pump side	8/37	Automatic transmission, 4T65EV
7/149	Rain Sensor Module (RSM)	8/38	Shift solenoid 1, TF-80SC/AWD
7/154	Fuel temperature sensor, I5D	8/38	Shift solenoid 1, AW55-51/51 AWD
7/156	Pressure and temperature sensor, fuel	8/38	Shift solenoid 1, 4T65EV
7/156	Pressure and temperature sensor, Bi-Fuel	8/39	Shift solenoid 2, TF-80SC/AWD
7/159	Air Quality Sensor (AQS)	8/39	Shift solenoid 2, AW55-51/51 AWD
7/162	Pressure sensor, fuel line	8/39	Shift solenoid 2, 4T65EV
7/162	Pressure sensor, fuel rail, I5D	8/40	Lock-up solenoid, TF-80SC/AWD
7/164	Body Sensor Cluster Stability Sensor (BSC)	8/40	Lock-up solenoid, AW55-51/51 AWD
7/165	Pressure and temperature sensor, intake manifold	8/40	Lock-up solenoid, 4T65EV
7/166	Oil level sensor, I5D	8/41	Pressure solenoid, AW 55-51/51 AWD
7/172	Camshaft position sensor, intake side	8/41	Pressure solenoid, 4T65EV
7/173	Camshaft position sensor, exhaust side	8/46	Archive unit, DSTC
7/173	Camshaft position sensor, exhaust side, Diesel	8/51	Front left side airbag igniter
7/174	Differential pressure sensor, particle filter	8/52	Front right side airbag igniter
7/178	Front impact sensor, right	8/55	Rear left belt tensioner igniter
7/179	Front impact sensor, left	8/56	Rear right belt tensioner igniter
7/190	Temperature sensor, exhaust gases upstream of particle filter	8/59	Rear left head restraint solenoid
7/191	Temperature sensor, exhaust gases downstream of particle filter	8/60	Rear right head restraint solenoid
7/201	Pressure and temperature sensor, gas	8/61	Driver's side airbag igniter, stage 2, S60
7/204	Parking assistance sensor, front 5	8/61	Driver's side airbag igniter, stage 2, S80
7/205	Parking assistance sensor, front 6	8/62	Belt tensioner igniter, center rear seat
7/206	Parking assistance sensor, front 7	8/64	Solenoid valve, engine mounting, Diesel
7/207	Parking assistance sensor, front 8	8/66	Left-hand inflatable curtain igniter
8/3	Electromagnetic clutch, climate control system	8/67	Right-hand inflatable curtain igniter
8/6-11	Injectors	8/71	Throttle solenoid, AW 55/51 AWD
8/6-10	Injectors, Diesel	8/71	Throttle solenoid, TF-80SC/AWD
8/17	EGR valve, Diesel	8/72	Shift solenoid 3, AW55-51SN/AW51 AWD
8/18	EVAP valve	8/73	Shift solenoid 4, AW55-51SN/AW51 AWD
8/19	Solenoid, variable valve timing intake	8/74	Shift solenoid 5, AW55-51SN/AW51 AWD
8/20	Shock absorber, Four-C, front left	8/75	Valve, fuel cut-off DFEO
8/21	Shock absorber, Four-C, front right	8/78	Oil pressure sensor
8/22	Shock absorber, Four-C, rear left	8/81	Solenoid, variable valve timing exhaust
8/23	Shock absorber, Four-C, rear right	8/82	Solenoid, variable turbo geometry
		8/84	Switch, vacuum pump
		8/85	Thermostatic switch and fuel filter heating
		8/88	Rear solenoid, fuel tank, Bi-Fuel
		8/89	Front left solenoid, fuel tank, Bi-Fuel
		8/90	Front right solenoid, fuel tank, Bi-Fuel
		8/98	Control valve, fuel pressure, I5D

List of components 4:6

8/111	Solenoid valve, high-pressure diesel	10/44	Right tail light lamp 1, S60
8/113	Fuel pressure bypass valve	10/44	Right tail light lamp 1, S80
8/120	EGR valve	10/45	Right tail light lamp 2, S60
8/134	Solenoid, reverse interlock, manual	10/45	Right tail light lamp 2, S80
8/142	Linear pressure solenoid SLB1 TF-80SC/AWD	10/46	Rear right fog light, S60
8/143	Linear pressure solenoid SLC1 TF-80SC/AWD	10/46	Rear right fog light, S80
8/144	Linear pressure solenoid SLC2 TF-80SC/AWD	10/47	Rear right direction indicator, S60
8/145	Linear pressure solenoid SLC3 TF-80SC/AWD	10/47	Rear right direction indicator, S80
		10/48	Right-hand reversing light, S60
		10/48	Right-hand reversing light, S80
		10/49	Rear left running/parking light, S60
		10/50	Left brake light, S60
		10/50	Left brake light, S80
9/1	Front 12V outlet	10/51	Left tail light 1, S60
9/2	Heated rear window	10/51	Left tail light 1, S80
9/12	Seat Heating Module (SHM), left	10/52	Left tail light 2, S60
9/13	Seat Heating Module (SHM), right	10/52	Left tail light 2, S80
9/16	Left-hand backrest heating element	10/53	Rear left fog light, S60
9/17	Right-hand backrest heating element	10/53	Rear left fog light, S80
9/18	Left-hand seat heating element	10/54	Rear direction indicator, S60
9/19	Right-hand seat heating element	10/54	Rear left direction indicator, S80
9/25	Rear 12V outlet	10/55	Left reversing light, S60
9/30	Auxiliary heater	10/55	Left reversing light, S80
9/32	PTC resistor - air preheating	10/64	Right-hand high beam, S60
9/33	Left-hand heated door mirror	10/64	Right-hand high beam, S80
9/34	Right-hand heated door mirror	10/65	Auxiliary light, front right
		10/66	Right-hand low beam, S60
10/1	Front left lamp housing S60	10/66	Right-hand low beam, S80
10/1	Front left lamp housing S80	10/68	Left-hand high beam, S60
10/2	Front right lamp housing S60	10/68	Left-hand high beam, S80
10/2	Front right lamp housing S80	10/69	Auxiliary light, front left
10/3	License plate lighting	10/70	Left-hand low beam, S60
10/5	Front left fog light	10/70	Left-hand low beam, S80
10/6	Front right fog light	10/71	Side running light, front left
10/11	Front left running/parking light S60	10/72	Front ashtray lighting, S80
10/11	Front left running/parking light S80	10/73	Side running light, front right
10/12	Front right running/parking light S60	10/114	Left-hand vanity mirror lighting
10/12	Front right running/parking light S80	10/115	Right-hand vanity mirror lighting
10/13	Front left direction indicator, S60	10/122	Left-hand rear courtesy lighting
10/13	Front left direction indicator, S80	10/123	Right-hand rear courtesy lighting
10/14	Front right direction indicator, S60	10/125	Left-hand front courtesy lighting
10/14	Front right direction indicator, S80	10/126	Right-hand front courtesy lighting
10/15	Front left fender direction indicator	10/127	Lighting, cargo compartment, left-hand side
10/16	Front right fender direction indicator		Lighting, cargo compartment, right-hand side
10/17	Rear right lamp housing, S60	10/128	Left-hand rearview mirror lighting
10/17	Rear right lamp housing, S80	10/148	Right-hand rearview mirror lighting
10/18	Rear left lamp housing, S60	10/149	Rear reading light
10/18	Rear left lamp housing, S80	10/150	Rear reading light
10/19	Auxiliary brake light	10/150	Left-hand rear door switch lighting
10/29	Glove compartment lighting	10/151	Indicator light, remote start
10/42	Rear right running/parking light, S60	10/218	
10/114	Right brake light, S60		
10/43	Right brake light, S80		

List of components 5:6

11A/no.	Main fuses in engine compartment fuse box	17/38	7-pin outlet, tow hitch cable harness
11B/no.	Fuses in engine compartment fuse box	17/39	13-pin outlet, tow hitch cable harness
11C/no.	Fuses in passenger compartment fuse box		
11E/no.	Main fuses at battery	18/4	Contact reel
15/31	Distribution box in engine compartment		
16/1	Audio Module (AUM)	20/3-8	Spark plug and ignition coil
16/2	Amplifier	20/16	Capacitor
16/3	Right-hand front door speaker	20/22-26	Glow plug
16/4	Left-hand front door speaker	26/4	Cable harness, tow hitch cable harness
16/5	Right-hand rear door speaker	27/3	Left Camera Module (LCM)
16/6	Left-hand rear door speaker	27/4	Right-hand Camera Module (RCM)
16/9	Window antenna	31/1	Ground connection, right MacPherson strut tower
16/10	Horn 1	31/2	Ground connection, left MacPherson strut tower
16/11	Horn 2		
16/15	CD changer	31/4	Ground connection, engine
16/16	Window antenna amplifier	31/5	Ground connection, right D-post
16/17	Left-hand speaker, rear shelf	31/6	Ground connection, driver's side A-post
16/18	Right-hand speaker, rear shelf	31/10	Ground connection, A-post right side
16/26	Center dashboard speaker	31/44	Ground connection, left side member, lower engine compartment
16/35	Siren Control Module (SCM)		
16/36	TV receiver	31/46	Ground connection, rear left seat riser
16/45	Road Traffic Information module (RTI)	31/47	Ground connection, rear right seat riser
16/45	Road Traffic Information module (RTI), Turn-by-turn	31/48	Ground connection, rear right seat riser
16/46	RTI display	31/53	Ground connection, firewall
16/46	RTI display, Turn-by-turn	31/66	Ground connection, front seat riser, left-hand side
16/47	GPS antenna RTI		
16/49	Traffic Message Channel module (TMC)	31/67	Ground connection, front seat riser, right-hand side
16/55	Left-hand front tweeter		
16/56	Right-hand front tweeter	31/70	Ground connection, left side member, lower engine compartment
16/59	Antenna, remote control		
16/60	Phone Module (PHM)	31/72	Ground connection, cargo compartment
16/62	Hand unit, mobile phone	31/73	Ground connection, rear right seat riser
16/63	GPS antenna, cellular phone	31/83	Ground connection, left-hand side A-post
16/64	Antenna, mobile telephone	31/84	Ground connection, A-post right side
16/65	Antenna ring/ignition switch illumination	31/88	Ground connection, Engine ignition coil group 1
16/67	Amplifier antenna, bumper	31/89	Ground connection, Engine ignition coil group 2
16/68	Antenna, bumper	31/91	Ground connection, engine
16/71	Window antenna amplifier 1, right	31/93	Ground connection, left MacPherson strut tower
16/77	Microphone, mobile telephone		
16/78	Speaker, mobile telephone	31/94	Ground connection, right MacPherson strut tower
16/93	Control module, cellular telephone handsfree		
16/126	Holder, cellular telephone handsfree	31/95	Ground connection, left MacPherson strut tower
16/127	Microphone, cellular telephone handsfree		
16/145	Satellite radio receiver	31/96	Ground connection, right MacPherson strut tower
16/149	MP3 player	31/98	Ground connection, upper windshield member
17/13	Data link connector		
17/17	Jump start connection	31/102	Ground connection, front member
17/19	12V outlet, cargo compartment	31/120	Ground connection, cargo compartment
17/37	4-pin outlet, towbar cable harness		

List of components 6:6

54/1	Connector	54/32	Connector
		54/34	Connector
54/1B	Connector	54/35	Connector
		54/36	Connector
54/1C	Connector	54/40C	Connector
54/3.1	Connector	54/40D	Connector
54/3.2	Connector	54/43	Connector
54/4	Connector	54/53	Connector
54/7	Connector	54/54	Connector
54/8	Connector	54/55	Connector
54/9	Connector	54/56	Connector
54/10-11	Connector	54/57.1	Connector
54/12	Connector	54/74	Connector
54/13	Connector	54/74B	Connector
54/14	Connector	54/100	Connector
54/16	Connector	54/106	Connector
54/20	Connector	54/107	Connector
54/21	Connector	54/132	Connector
54/22-23	Connector	54/1300	Connector
54/24	Connector	54/1400	Connector
54/25	Connector		

TP 3988202 (US English), Printed in Gothenburg, Sweden 07-2005