

VOLVO
for life



VOLVO WIRING DIAGRAM S40 (04-)/V50

TP 3974202

2004

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 install accessories by the sensors.
- Where applicable, work on the steering wheel, steering shaft, or steering gear must be done in accordance with the methods in the SRS section of VADIS.
- Certain components of the aforementioned systems must be grounded while working. Read the appropriate sections in VADIS.
- Install no accessories in the areas between the A and B posts, the B and C posts, and the C and D posts.

Test terminal

Data link connector in the passenger compartment.

Changes introduced up to October 2003

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

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

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

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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 83	= Doors and openings
Group 84	= Exterior decorative elements etc.
Group 85	= Interior equipment
Group 87	= Climate controls
Group 88	= Internal equipment

Ignition switch symbols

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

AUDIO	= Audio system
AUTO	= Automatic transmission
DIESEL	= Diesel
DSTC	= Dynamic Stability Traction Control
ECC	= Electronic climate control system
E.E	= Early edition
EXT. X	= Extended X-feed
HISPEED	= High speed data bus
L.E	= Late edition
LHD	= Left-hand drive
LOSPEED	= Low speed data bus
MAN	= Manual transmission
MMS	= Mass Movement Sensor
PCL	= Power Child Lock
GASOLINE	= Gasoline
RHD	= Right-hand drive
RTI	= Road Traffic Information
SRS	= Airbag
STC	= Stability Traction Control
T	= Turbocharged engine
W/O	= Without
4CYL	= 4-cylinder engine
5CYL	= 5-cylinder engine

Colors

BK	= Black
BN	= Brown
BU	= Blue
GN	= Green
GY	= Gray
LGN	= Light Green
OG	= Orange
PK	= Pink
RD	= Red
VT	= Violet
WH	= White
YE	= 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, e.g. x/2.

Together, this constitutes a component designation, e.g. 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	Lamp
11	Fuse
15	Electrical distribution rail/box
16	Audio
17	Service/diagnostics
18	Contact reel
19	Meter
20	Ignition component/shunt
27	Optics
31	Ground connection
63	Junction point
64	Connector

B. Junction points

The wiring diagrams contain numbered junction points, e.g. 63/352.

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

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

C. Connectors

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

D: Electrical distribution

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

E. Data communication

Today's cars contains CAN and MOST networks that transfer information. Connections to these networks are not shown in their entirety in the respective wiring diagram. Complete information on CAN and MOST communication is found in the section "Control modules".

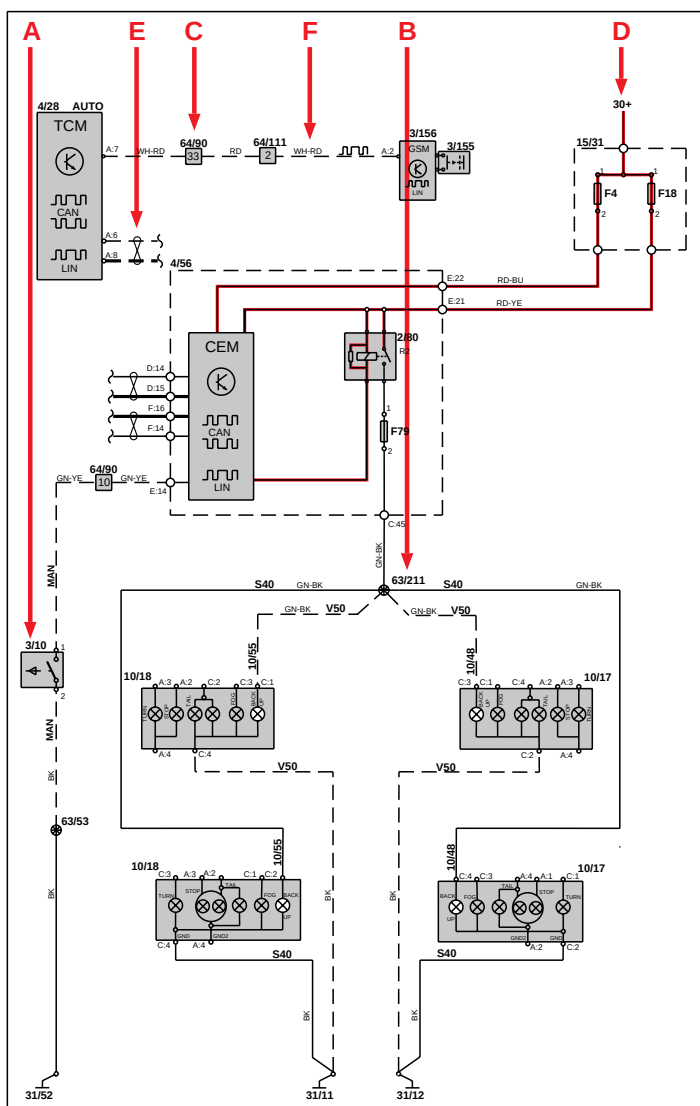
F. Abbreviations

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

G. Component location

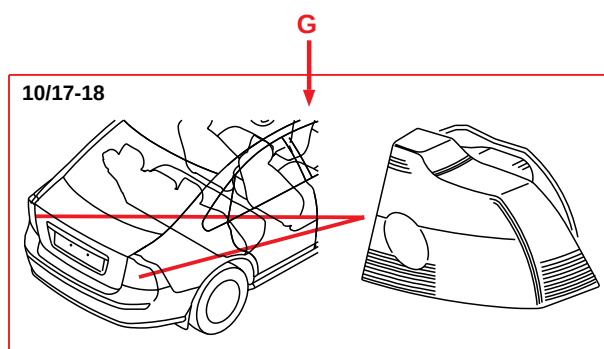
There is a section at the end of the manual in which the appearance and location of components is described in numerical order.

How to use the wiring diagrams 2:2

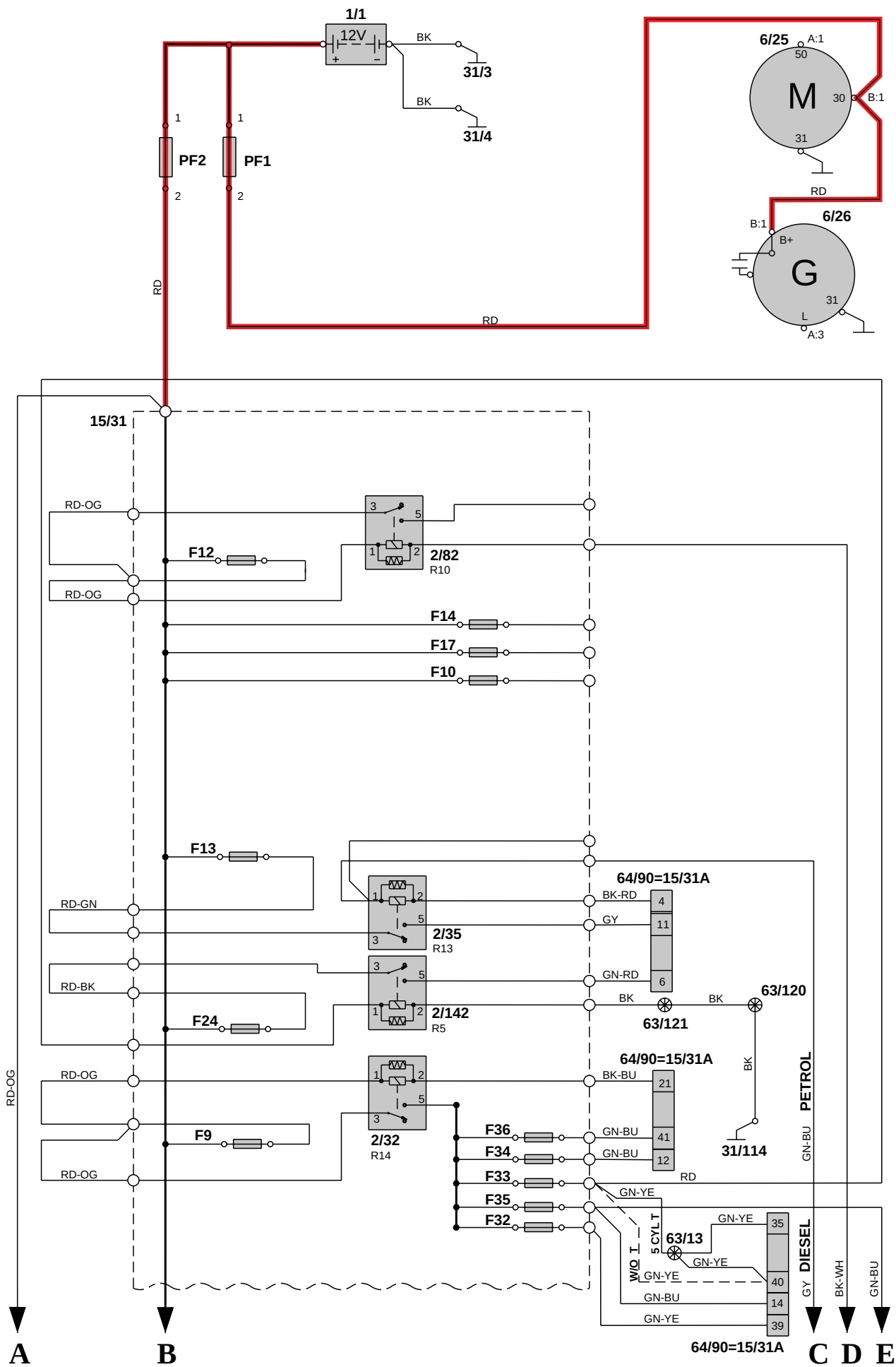


List of symbols

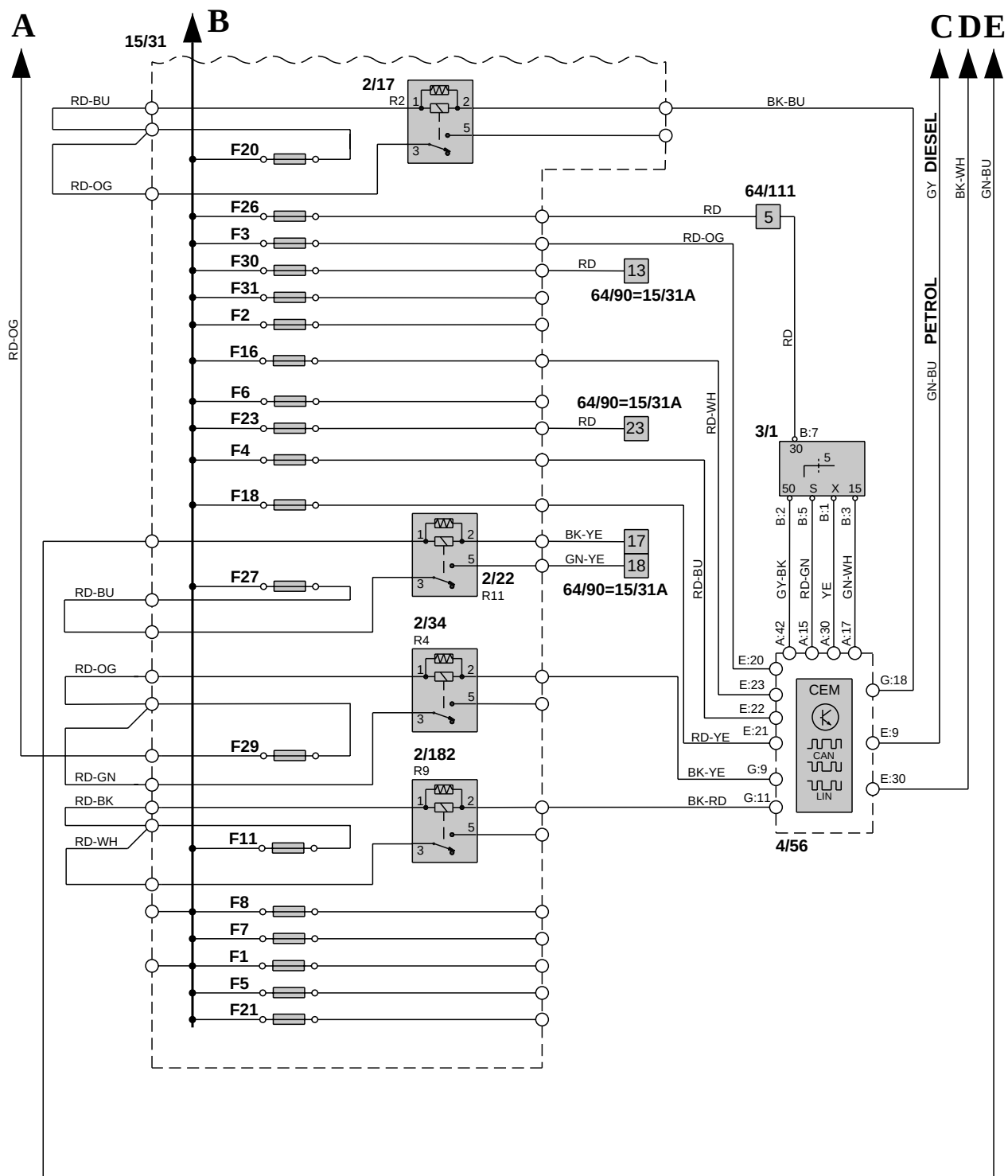
- = System voltage
- = Ground connection via wiring
- = Ground connection on component/chassis
- = Screened wire
- = Junction point
- = Twisted cable
- = Electrical connection
- = Variant
- = CAN communication
- = CAN high data signal (CAN H)
- = CAN low data signal (CAN L)
- = MOST communication
- =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



Electrical distribution 1:2 Overview

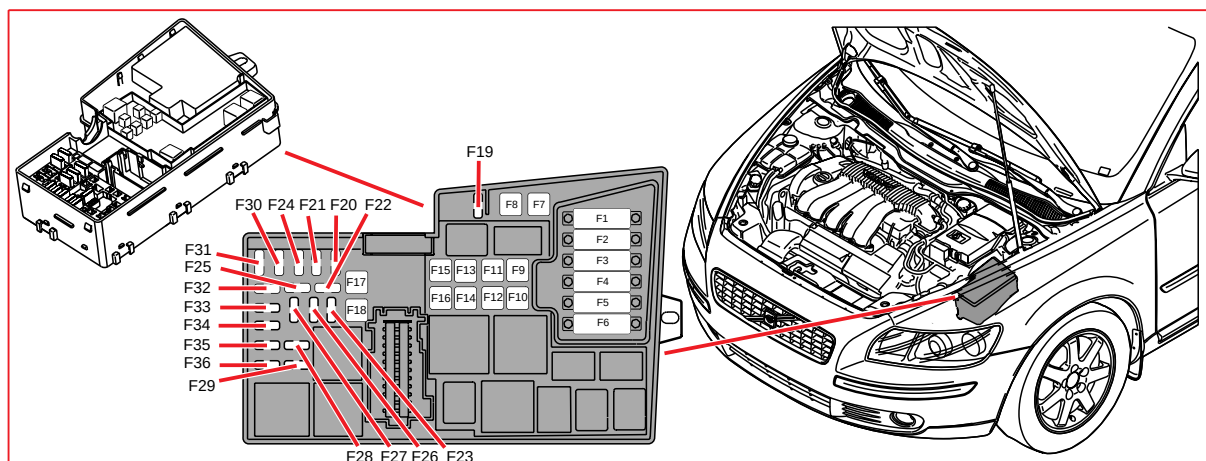


Electrical distribution 2:2 Overview



Fuses

Engine compartment distribution box F1-F8

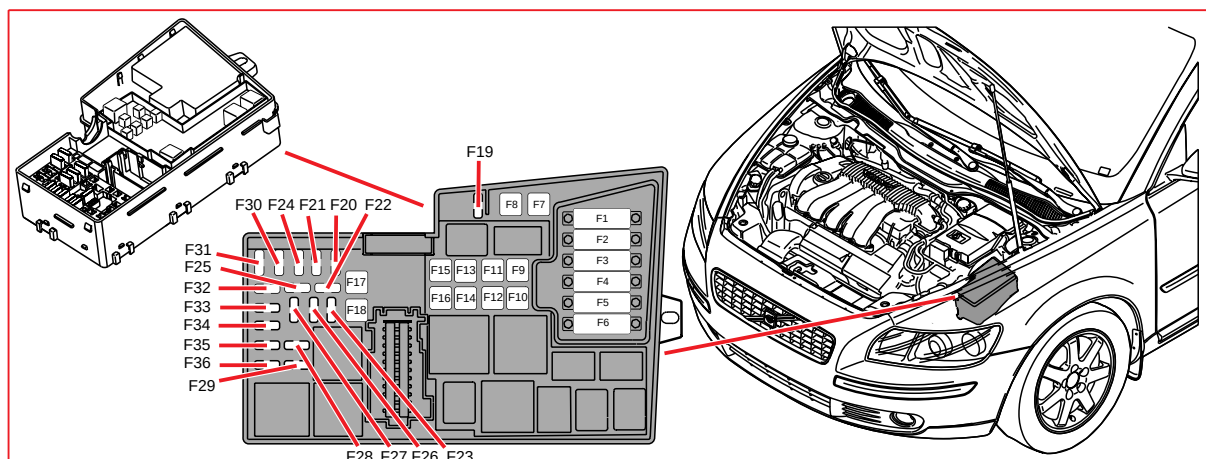


15/31 Engine compartment distribution box

No.	Fuse function	via	A
F1	4/71 Cooling fan control module	-	50
F2	6/71 Electrical Power Steering Module (EPS)	-	80
F3	2/193 Relay, comfort functions	-	60
	F45 Fuse in the Central Electronic Module (CEM)	2/193	
	F48-F49 Fuses in the Central Electronic Module (CEM)	2/193	
	F60-F61 Fuses in the Central Electronic Module (CEM)	2/193	
	F62-F63 Fuses in the Central Electronic Module (CEM)	-	
	F68-F69 Fuses in the Central Electronic Module (CEM)	2/193	
	F84-F85 Fuses in the Central Electronic Module (CEM)	-	
F4	2/63 Relay, high beam	-	60
	4/56 Central Electronic Module (CEM)	-	
	8/134 Solenoid, reverse interlock, manual	4/56	
	F58-F59 Fuses in the Central Electronic Module (CEM)	2/63	
	F74 Fuses in the Central Electronic Module (CEM)	-	
	F77 Fuses in the Central Electronic Module (CEM)	-	
F5	9/41 PTC element, Diesel	-	80
F6	4/109 Glow plug control module	-	60
F7	4/16 Brake Control Module (BCM), pump	-	30
F8	4/16 Brake Control Module (BCM), valves	-	20
continues			

Fuses

Engine compartment distribution box F9-F18

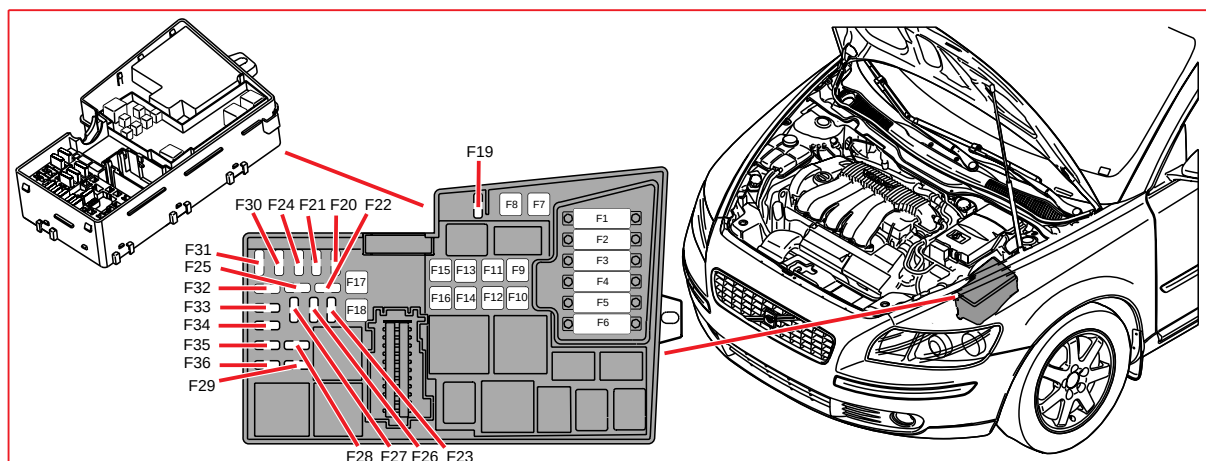


15/31 Engine compartment distribution box

No.	Fuse function	via	A
F9	2/32 Main relay, engine management system	-	30
	F32-F36 Fuses in the engine compartment distribution box	2/32	
F10	4/31 Fan control module	-	40
F11	2/182 Relay, headlight washer motor	-	20
	6/104 Pump, high pressure headlight washer	2/182	
F12	2/82 Relay, heated rear window	-	30
	9/2 Heated rear window	2/82	
F13	6/25 Starter motor	2/35	30
F14	4/110 Trailer Module (TRM)	-	40
F16	2/159 Relay, infotainment	-	30
	16/105 Audio Module (AUD)	-	
	F43 Fuse in the Central Electronic Module (CEM)	-	
	F64 Fuse in the Central Electronic Module (CEM)	-	
	F65-F67 Fuses in the Central Electronic Module (CEM)	2/159	
F17	6/1 Wiper Motor Module (WMM)	-	30
F18	2/80 Relay, reversing lights	-	40
	2/89 Relay, interior lighting	-	
	4/56 Central Electronic Module (CEM)	-	
	F46-F47 Fuses in the Central Electronic Module (CEM)	2/89	
	F56-F57 Fuses in the Central Electronic Module (CEM)	-	
	F79 Fuse in the Central Electronic Module (CEM)	2/80	
	F81-F83 Fuses in the Central Electronic Module (CEM)	-	
	F86 Fuse in the Central Electronic Module (CEM)	2/89	
continues			

Fuses

Engine compartment distribution box F20-F32

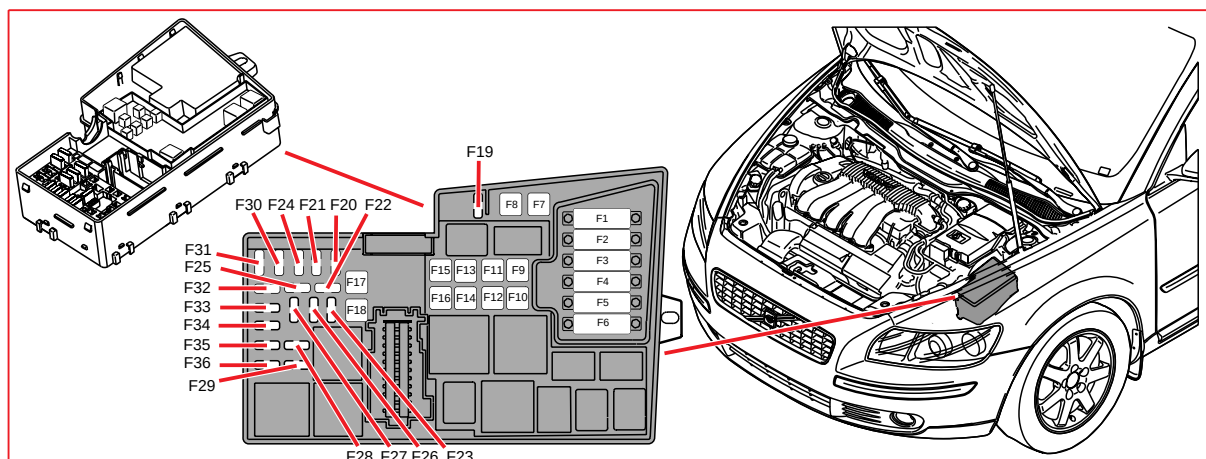


15/31 Engine compartment distribution box

No.	Fuse function	via	A
F20	2/17 Relay, horn	-	15
	16/10 Horn 1	2/17	
	16/11 Horn 2	2/17	
F21	4/7 Combustion Preheater Module (CPM)	-	20
F23	4/28 Transmission Control Module (TCM)	-	10
	4/46 Engine Control Module (ECM)	-	
F24	9/38 Heated fuel filter, Diesel	2/42	20
F26	2/35 Relay, starter motor	3/1	15
	3/1 Start Control Module (SCU)	4/56	
	4/46 Engine Control Module (ECM)	3/1	
	4/56 Central Electronic Module (CEM)	3/1	
	F44 Fuse in the Central Electronic Module (CEM)	3/1	
	F51-F54 Fuses in the Central Electronic Module (CEM)	3/1	
	F73 Fuse in the Central Electronic Module (CEM)	3/1	
F27	8/3 Electromagnetic clutch, climate control system	2/22	10
F29	2/34 Relay, front fog lights	-	15
	10/5 Fog light, front left	2/34	
	10/6 Fog light, front right	2/34	
F30	4/46 Engine Control Module (ECM), Diesel	-	3
F31	6/26 Generator, Diesel	-	10
F32	8/6-8/10 Injectors, Gasoline	-	10
continues			

Fuses

Engine compartment distribution box F33-FH1

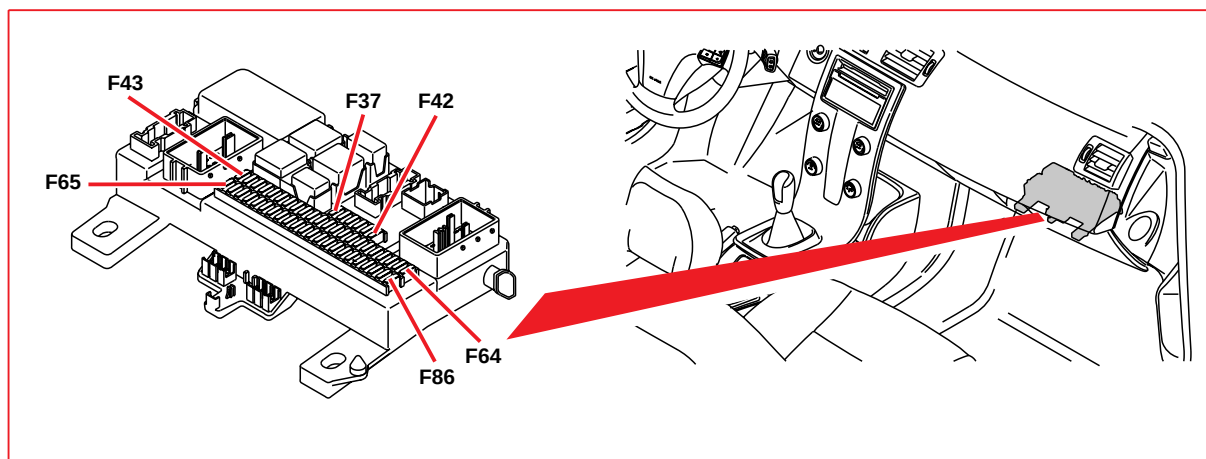


15/31 Engine compartment distribution box

No.	Fuse function	via	A
F33	2/142 Relay, pre-heater, fuel filter, Diesel	-	20
	6/114 Vacuum pump	8/84	
	7/15 Heated oxygen sensor, front	-	
	7/82 Heated oxygen sensor, rear	-	
F34	4/46 Engine Control Module (ECM)	8/119	10
	8/77 Control valve, fuel volume, Diesel	-	
	8/133 Control valve, fuel pressure, Diesel	-	
	20/3 -20/7 Spark plug and ignition coil	-	
F35	2/22 Relay, climate control system	-	10 E.E
	6/67 Pump, fuel leakage control	-	15 L.E
	7/17 Mass airflow sensor (MAF)	-	
	8/18 EVAP valve	-	
	8/19 Solenoid, variable valve timing, intake	-	
	8/28 Turbocharger control valve	-	
	8/81 Solenoid, variable valve timing outlet	-	
	8/68 Bypass valve, Diesel	-	
	8/82 Solenoid, variable turbo geometry, Diesel	-	
	8/131 Cut-off valve, expansion tank, Diesel	-	
	8/132 Control valve, intake, Diesel	-	
	9/32 PTC resistor, oil trap	-	
F36	4/46 Engine Control Module (ECM)	-	10
	7/51 Accelerator pedal sensor	-	
FH1	10/65 Auxiliary light, front right	2/64	20
	10/69 Auxiliary light, front left		

Fuses

Central Electronic Module (CEM) F43-F52

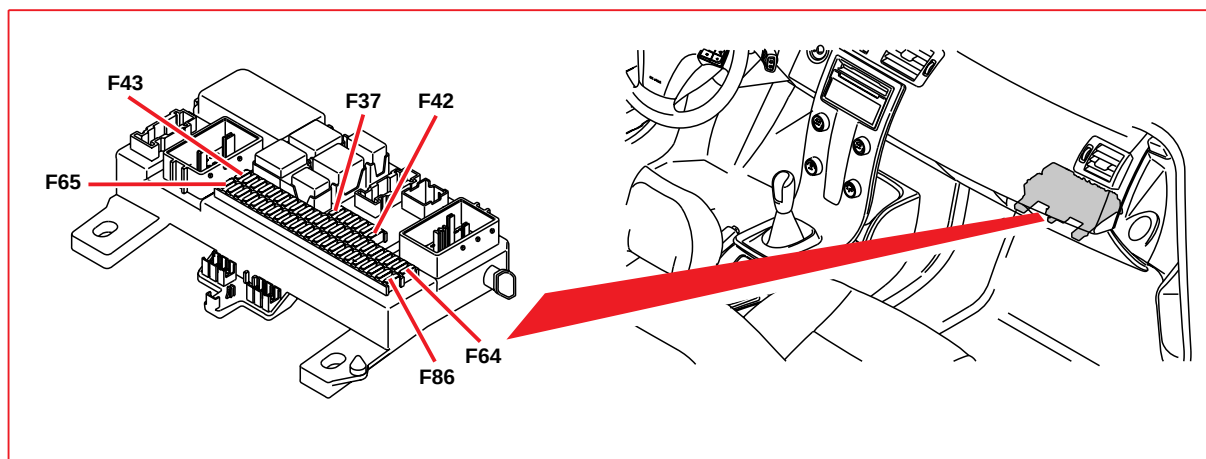


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F43	16/46 RTI Display	-	15
	16/60 Phone Module (PHM)	-	
	16/107 Media Player Module (MPM)	-	
F44	4/9 Supplemental Restraint System Module (SRS)	-	10
F45	9/1 Front 12V outlet	-	15
	9/25 Rear 12V outlet	-	
F46	3/111 Switch unit, lights	-	5
	5/1 Driver Information Module (DIM)	-	
	10/29 Glove compartment lighting	-	
	10/97 Courtesy lighting, left	-	
	10/102 Courtesy lighting, right	-	
F47	10/22 Ceiling light	-	5
	10/114 Vanity mirror lighting, left	-	
	10/115 Vanity mirror lighting, right	-	
F48	2/16 Relay, rear window wiper	-	15
	2/92 Relay, windshield washer motor	-	
	2/93 Relay, rear window washer motor	-	
	6/2 Washer pump	2/92	
	6/2 Washer pump	2/93	
	6/32 Rear window wiper motor	2/16	
F49	4/9 Supplemental Restraint System Module (SRS)	-	10
	7/93 Occupant Weight Sensor (OWS), USA/CDN	-	
F51	10/1 Lamp housing, front left, beam length adjustment	-	10
	10/2 Lamp housing, front right, beam length adjustment	-	
	4/112 Control module, gas discharge lamp master, left	-	
	4/113 Control module, gas discharge lamp slave, right	-	
	9/41 PTC element, Diesel	-	
F52	4/16 Brake Control Module (BCM)	-	5
continues			

Fuses

Central Electronic Module (CEM) F53-F66

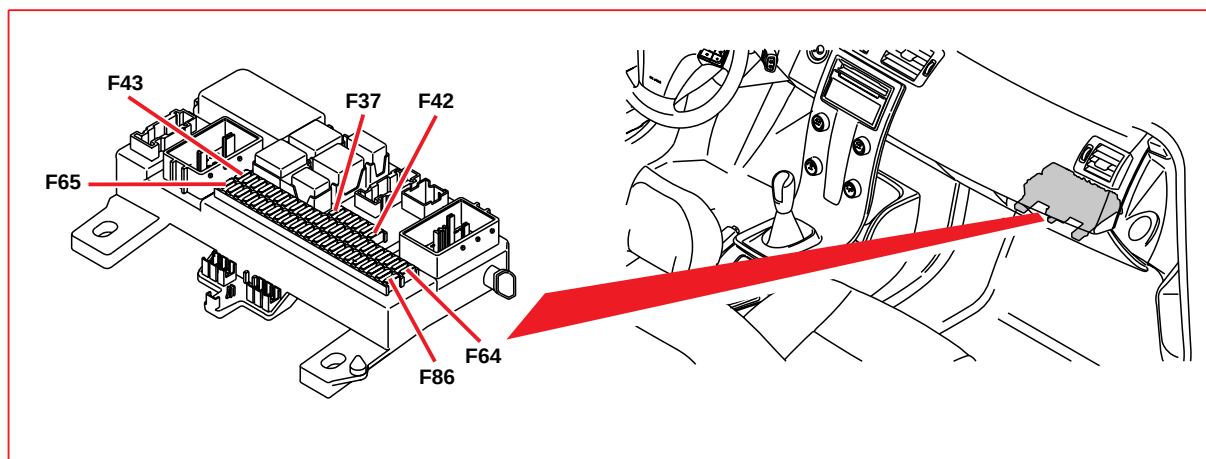


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F53	6/71 Electrical Power Steering Module (EPS)	-	10
F54	4/28 Transmission Control Module (TCM)	-	10
	6/26 Generator	-	
F56	16/35 Siren Control Module (SCM)	4/56	10
F57	4/46 Engine Control Module (ECM)	3/9	15
	4/56 Central Electronic Module (CEM)	3/9	
	17/13 Data link connector	-	
F58	2/64 Relay, auxiliary light (accessory)	3/60	10 E.E
	4/113 Control module, gas discharge lamp slave, right	-	7.5 L.E
	10/64 High beam, right	-	
F59	4/112 Control module, gas discharge lamp master, left	-	10 E.E
	10/68 High beam, left	-	7.5 L.E
F60	9/12 Seat Heater Module (SHM), driver's side	-	15
F61	9/13 Seat Heater Module (SHM), passenger side	-	15
F62	4/33 Sunroof control module	-	20
F63	3/129 Right Rear Door Module (RDM)	-	20
F64	16/49 Traffic Message Channel Module (TMC)	-	5
	16/94 AM/FM Tuner Module (AFM)	-	
	16/139 Global Positioning System Module (GPS)	-	
F65	7/182 Remote control IR sensor, RTI	-	5
	16/46 RTI Display	-	
	16/93 Control module, cellular phone handsfree	-	
	16/105 Audio Module (AUD)	-	
	16/107 Media Player Module (MPM)	-	
	16/108 Multimedia Module (MMM)	-	
F66	3/112 Climate Control Module (CCM)	-	10
	16/1 Infotainment Control Module (ICM)	-	
continues			

Fuses

Central Electronic Module (CEM) F67-F86

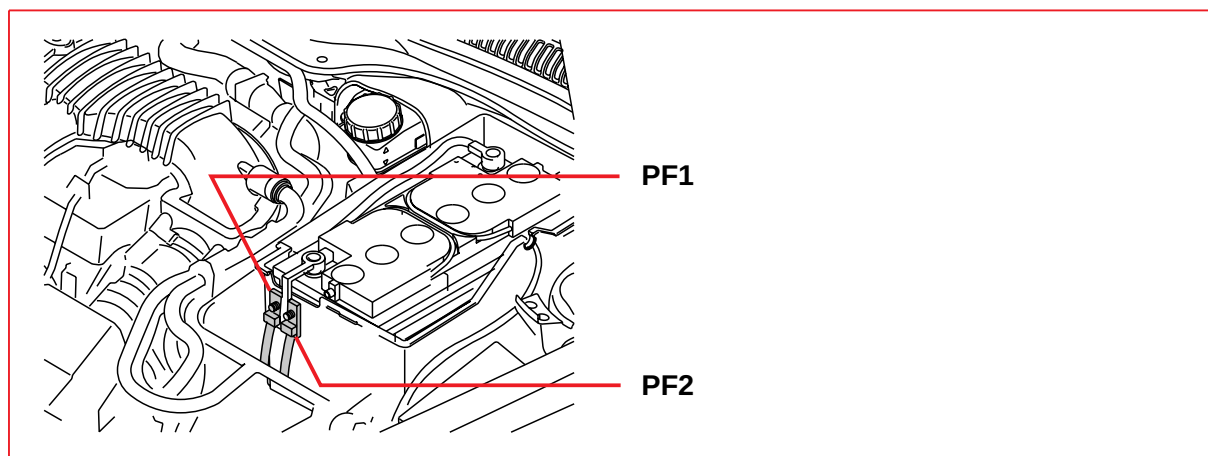


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F67	16/79 Subwoofer Module (SUB)	-	15
F68	3/254 Steering Wheel Module (SWM)	-	5
F69	7/149 Rain Sensor Module (RSM)	-	5
	6/48 Damper motor, recirculation	-	
	6/95 Damper motor, temperature, left-hand side	-	
	6/96 Damper motor, temperature, right-hand side	-	
	6/102 Damper motor, defroster	-	
	6/103 Damper motor, floor/ventilation	-	
	7/159 Air quality sensor	-	
F73	3/217 Belt buckle contact, left rear	-	5
	3/218 Belt buckle contact, center rear	-	
	3/219 Belt buckle contact, right rear	-	
	4/33 Sunroof control module	-	
	8/48 Auto-dimming rearview mirror	-	
	10/22 Ceiling light	-	
F74	4/83 Fuel pump control module, gasoline	2/23	15
F77	4/78 Accessory Electronic Module (AEM)	-	15
	17/19 12V outlet, cargo compartment	-	
F79	8/48 Auto-dimming rearview mirror	2/80	5
	10/48 Reversing light, right	-	
	10/55 Reversing light, left	-	
F81	3/128 Left Rear Door Module (LDM)	-	20
F82	3/127 Passenger Door Module (PDM)	-	25
F83	3/126 Driver's Door Module (DDM)	-	25
F84	3/27 Switch unit, power passenger seat	-	25
F85	3/26 Switch unit, power driver's seat	-	25
	4/52 Power Seat Module (PSM)	-	
F86	3/26 Switch unit, power driver's seat	-	5
	3/27 Switch unit, power passenger seat	-	
	4/52 Power Seat Module (PSM)	-	
	10/24 Cargo compartment lighting	-	

Fuses

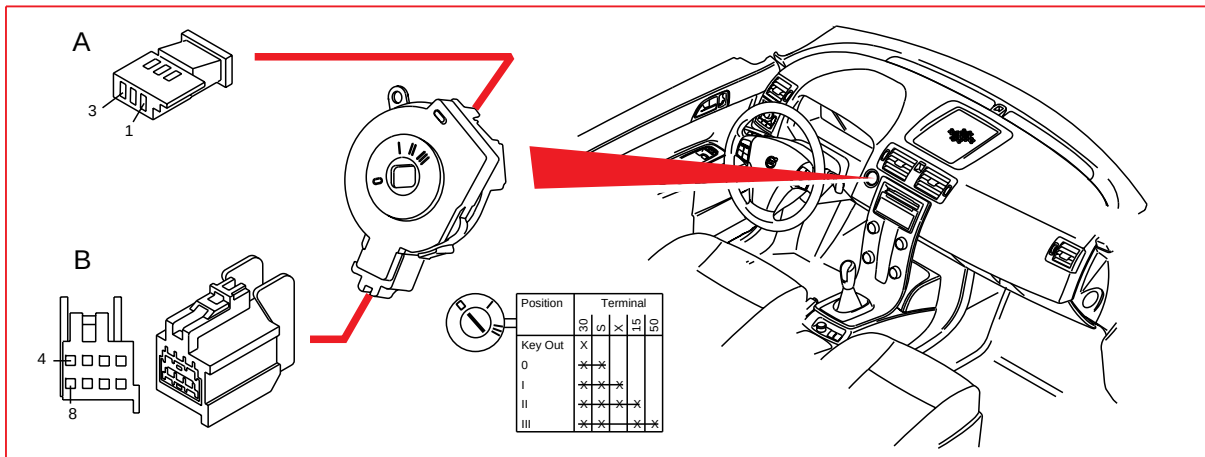
Battery, PF1-PF2



1/1 Battery

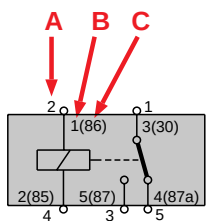
No.	Fuse function		via	A
PF1	6/25	Starter motor	-	150
	6/26	Generator	-	
PF2	F1-F14	Fuses in the engine compartment distribution box	-	150
	F16-F18	Fuses in the engine compartment distribution box	-	
	F20-F21	Fuses in the engine compartment distribution box	-	
	F23-F24	Fuses in the engine compartment distribution box	-	
	F26-F27	Fuses in the engine compartment distribution box	-	
	F29-F31	Fuses in the engine compartment distribution box	-	

Ignition switch and relays



Relays, general

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



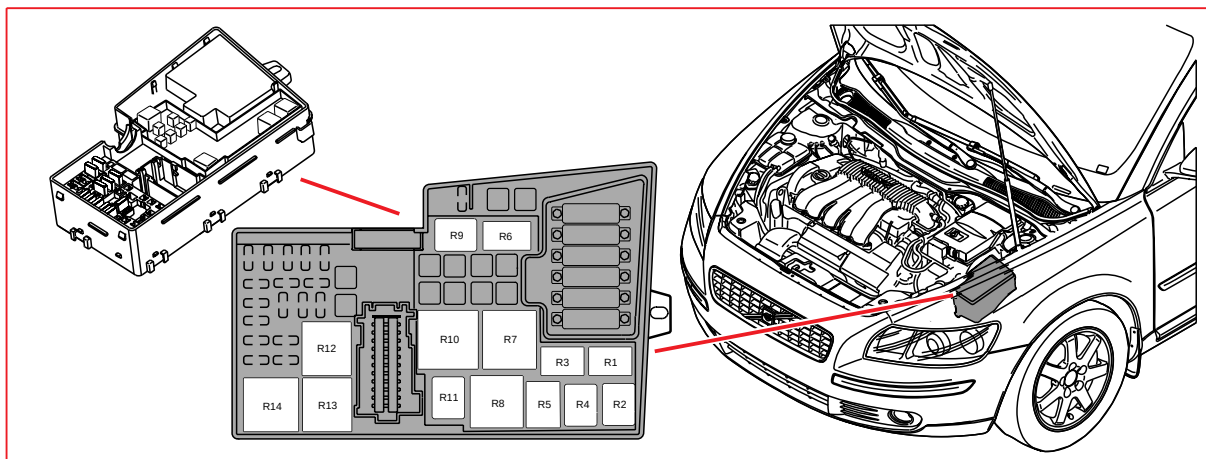
A = Corresponds to the position on the back of the relay box (wiring side)

B = Corresponds to the position on the relay.

C = An old designation that may be found on the relay.

Relays

Engine compartment distribution box R2-R14

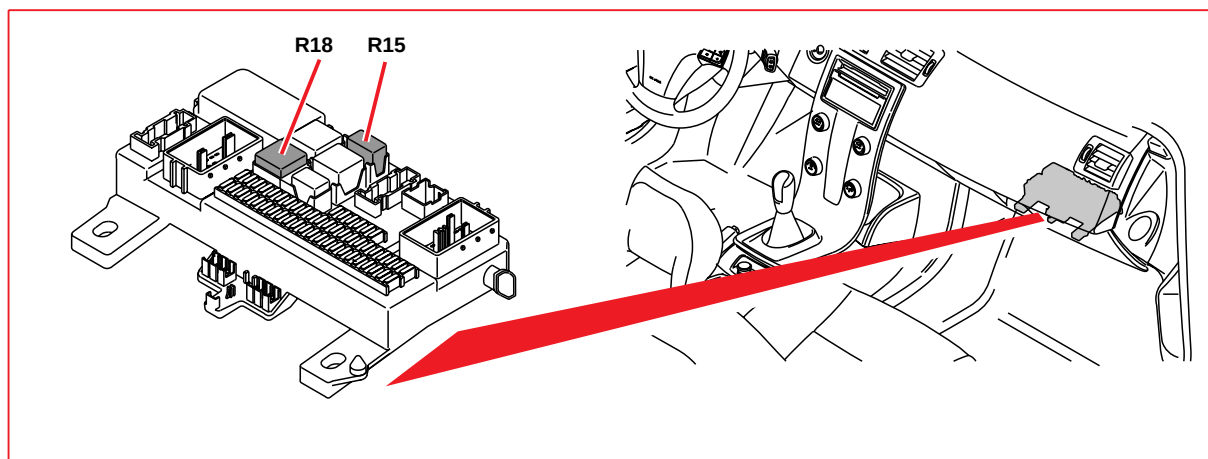


15/31 Engine compartment distribution box

Pos	Relay function	
R2	2/17	Relay, horn
R4	2/34	Relay, front fog lights
R5	2/142	Relay, pre-heater, fuel filter
R9	2/182	Relay, headlight washer motor
R10	2/82	Relay, heated rear window
R11	2/22	Relay, climate control system
R13	2/35	Relay, starter motor
R14	2/32	Main relay, engine management system

Relays

Central Electronic Module (CEM) R15-R18

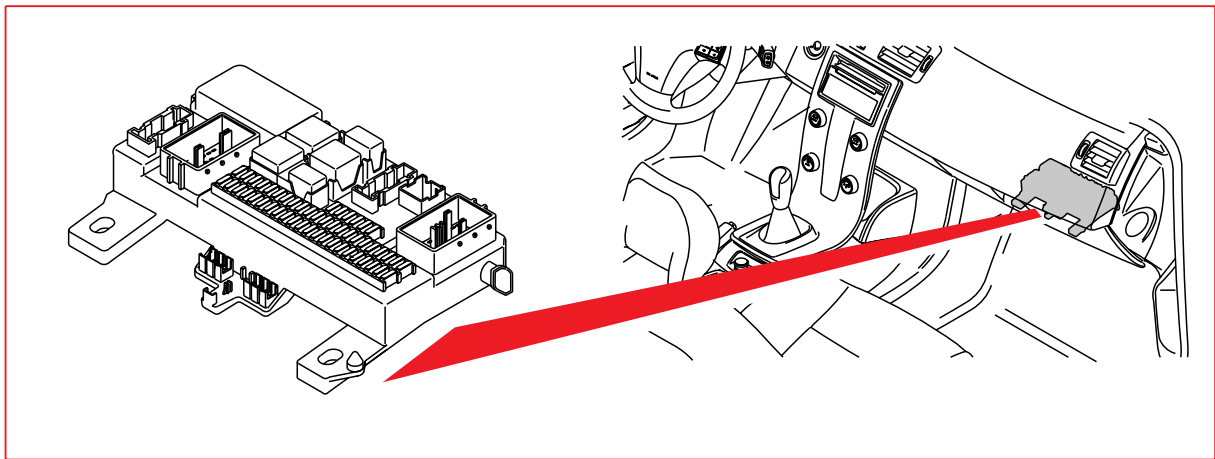


4/56 Central Electronic Module (CEM)

Pos	Relay function	
R15	2/23	Fuel pump relay, gasoline
R18	2/193	Relay, comfort functions

Relays - soldered

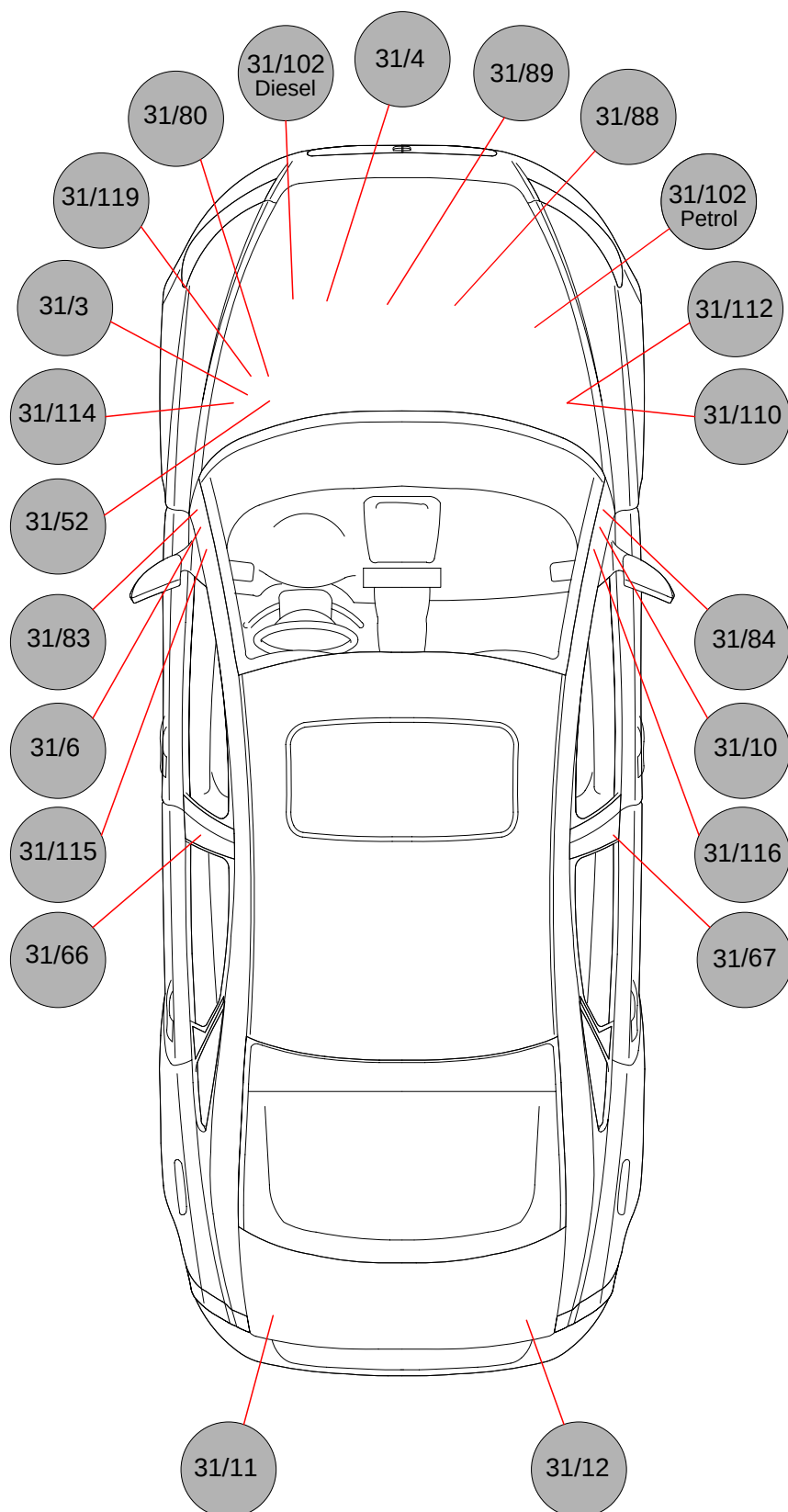
Central Electronic Module (CEM) R1 - R11B



4/56 Central Electronic Module (CEM)

Pos	Relay function	
R1	2/89	Relay, interior lighting
R2	2/80	Relay, reversing lights
R7A	2/92	Relay, windshield washer motor
R7B	2/93	Relay, rear window washer motor
R8	2/63	Relay, high beam
R11A	2/16	Relay, rear window wiper
R11B	2/159	Relay, infotainment

Ground connections Overview



Ground connections

31/3 - 31/10

31/3	Left MacPherson strut tower
1/1	Battery

31/4	Engine
1/1	Battery

31/6	A-post, driver's side
3/111	Switch unit, lights
4/102	Steering Column Lock Module (SCL)
6/28	Motor, passenger compartment fan
10/1	Lamp housing, front left
10/2	Lamp housing, front right
17/13	Data link connector

31/10	A-post, passenger side
2/16	Relay, rear window wiper
2/92	Relay, windshield washer motor
2/93	Relay, rear window washer motor
2/193	Relay, comfort functions
3/95	Spin control switch
3/112	Climate Control Module (CCM)
3/117	Switch unit, ceiling light
3/156	Gear Selector Module (GSM)
3/173	Switch, trunk lid/tailgate private lock
4/33	Sunroof control module
4/56	Central Electronic Module (CEM)
6/2	Washer pump
6/48	Damper motor, recirculation
6/95	Damper motor, temperature, left-hand side
6/96	Damper motor, temperature, right-hand side
6/102	Damper motor, defroster
6/103	Damper motor, floor/ventilation
6/117	Interior temperature sensor
7/159	Air quality sensor
8/48	Auto-dimming rearview mirror
8/134	Solenoid, reverse interlock, manual
9/1	Front 12V outlet
9/25	Rear 12V outlet
10/29	Glove compartment lighting
10/114	Vanity mirror lighting, left
10/115	Vanity mirror lighting, right
10/150	Rear reading light

Ground connections

31/11 - 31/66

31/11	Rear left side
10/18	Lamp housing, rear left
16/79	Subwoofer Module (SUB)
16/105	Audio Module (AUD)
16/139	Global Positioning System Module (GPS)

31/12	Rear right side
4/78	Accessory Electronic Module (AEM)
4/110	Trailer Module (TRM)
6/37	Lock motor, fuel filler flap
10/17	Lamp housing, rear right
17/19	12V outlet, cargo compartment

31/52	Left MacPherson strut tower
3/10	Reversing light contact
4/28	Transmission Control Module (TCM)
4/46	Engine Control Module (ECM)
8/3	Electromagnetic clutch, climate control system, Diesel
9/38	Heated fuel filter, Diesel

31/66	Left B-post
3/26	Switch unit, power driver's seat, LHD
3/27	Switch unit, power passenger seat, RHD
3/76	Lock unit, left rear door
3/78	Lock unit, trunk lid/tailgate
3/85	Power window switch, left rear door
3/128	Left Rear Door Module (LDM)
4/52	Power Seat Module (PSM), LHD
6/32	Rear window wiper motor, V50
6/35	Fuel pump, auxiliary heater
9/12	Seat Heater Module (SHM), driver's side, LHD
9/13	Seat Heater Module (SHM), passenger side, RHD
10/3	License plate lighting, S40
10/19	Auxiliary brake light, V50

Ground connections

31/67 - 31/84

31/67	Right B-post
3/26	Switch unit, power driver's seat, RHD
3/27	Switch unit, power passenger seat, LHD
3/77	Lock unit, right rear door
3/86	Power window switch, right rear door
3/129	Right Rear Door Module (RDM)
4/52	Power Seat Module (PSM), RHD
7/93	Occupant Weight Sensor (OWS), USA/CDN
9/12	Seat Heater Module (SHM), driver's side, RHD
9/13	Seat Heater Module (SHM), passenger side, LHD

31/80	Left MacPherson strut tower
4/16	Brake Control Module (BCM), valves

31/83	A-post, driver's side
3/1	Ignition switch
3/6	Switch, hazard warning flashers
3/254	Steering Wheel Module (SWM)
4/103	Remote Entry (RRX)
5/1	Driver Information Module (DIM)
17/13	Data link connector

31/84	A-post, passenger side
4/56	Central Electronic Module (CEM)
7/51	Accelerator pedal sensor
7/149	Rain Sensor Module (RSM)
8/31	Airbag igniter, passenger side
8/32	Igniter, airbag stage 2, passenger side
16/1	Infotainment Control Module (ICM)
16/46	RTI Display
16/60	Phone Module (PHM)
16/93	Control module, cellular phone handsfree
16/107	Media Player Module (MPM)
16/108	Multimedia Module (MMM)

Ground connections

31/88 - 31/114

31/88	Engine
9/32	PTC resistor, oil trap
20/3	Spark plug and ignition coil
20/4	Spark plug and ignition coil

31/89	Engine
20/5	Spark plug and ignition coil
20/6	Spark plug and ignition coil
20/7	Spark plug and ignition coil

31/102	Front member
2/192	Relay (230V), electric engine heater

31/110	Right MacPherson strut tower
4/7	Combustion Preheater Module (CPM)
4/113	Control module, gas discharge lamp slave, right
6/1	Wiper Motor Module (WMM)
6/104	Pump, high pressure headlight washer
7/4	Brake fluid level sensor
7/5	Washer fluid level sensor
8/127	Pressure switch, climate control system, Diesel
10/2	Lamp housing, front right
10/6	Fog light, front right

31/112	Right MacPherson strut tower
9/41	PTC element, Diesel

31/114	Left MacPherson strut tower
2/142	Relay, pre-heater, fuel filter
3/62	Hood alarm contact
4/71	Cooling fan control module
4/109	Glow plug control module
4/112	Gas Discharge Lamp Module (GDL), master
6/71	Electrical Power Steering Module (EPS)
6/114	Vacuum pump, gasoline
10/1	Lamp housing, front left
10/5	Fog light, front left
16/10	Horn 1
16/11	Horn 2
16/35	Siren Control Module (SCM)

Ground connections

31/115 - Ground connections in chassis

31/115 Left A-post	
3/126	Driver's Door Module (DDM), LHD
3/127	Passenger Door Module (PDM), RHD
4/83	Fuel pump control module, RHD, gasoline

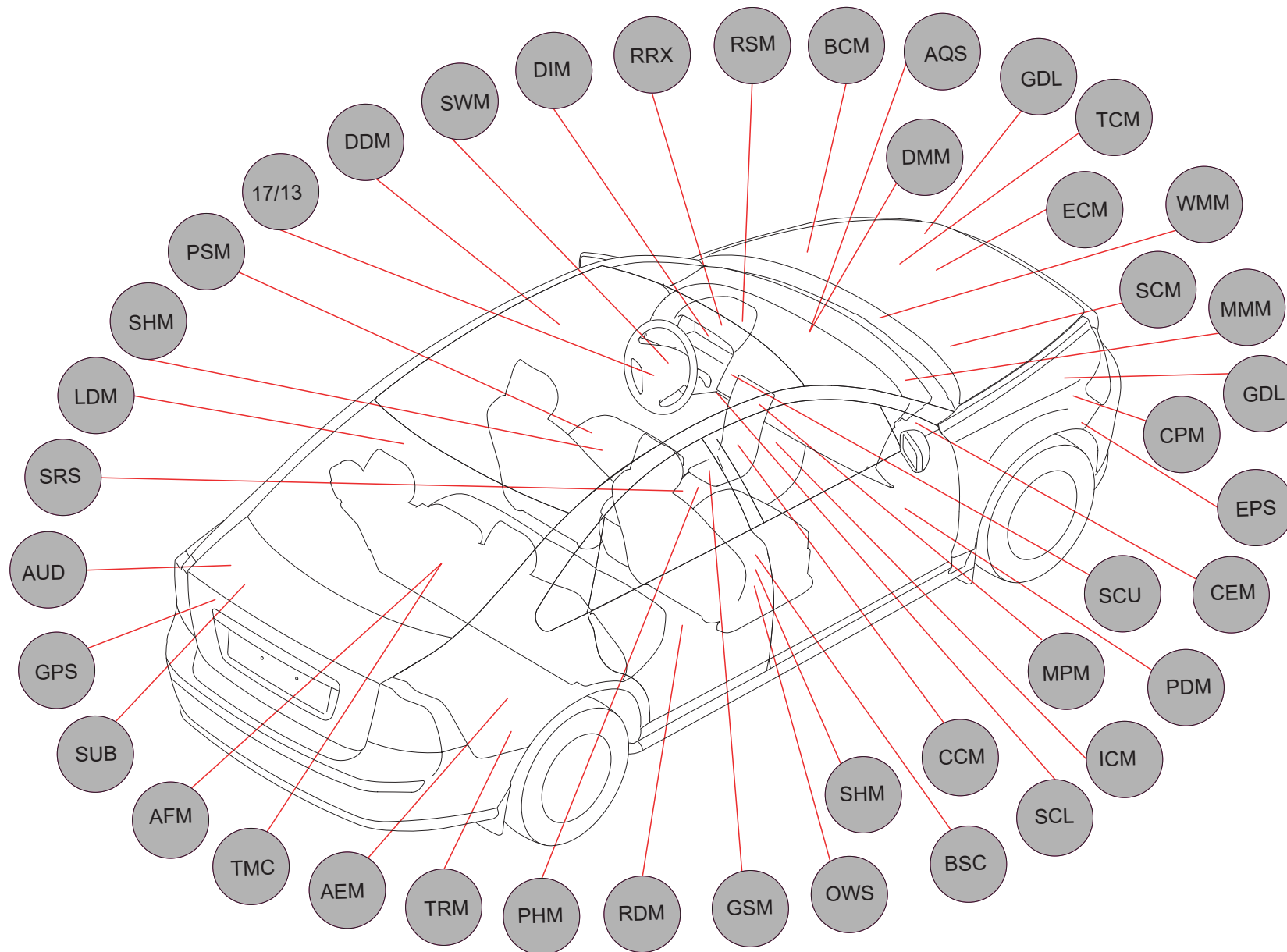
31/116 Right A-post	
3/126	Driver's Door Module (DDM), RHD
3/127	Passenger Door Module (PDM), LHD
4/83	Fuel pump control module, LHD, gasoline

31/119 Left MacPherson strut tower	
4/16	Brake Control Module (BCM)

Grounded directly to chassis	
3/47	Parking brake contact
4/9	Supplemental Restraint System Module (SRS)
6/25	Starter motor
8/3	Electromagnetic clutch, climate control system, gasoline
8/33	Igniter, belt tensioner, driver's side
8/34	Igniter, belt tensioner, passenger side
8/55	Igniter, left rear belt tensioner
8/56	Igniter, right rear belt tensioner
8/66	Igniter, left inflatable curtain
8/67	Igniter, right inflatable curtain
8/128	Driver's belt force limiter
8/129	Passenger belt force limiter
10/19	Auxiliary brake light, S40
16/16	Window antenna amplifier
16/49	Traffic Message Channel Module (TMC)
16/94	AM/FM Tuner Module (AFM)
16/141	Interference filter, rear window, left
16/142	Interference filter, rear window, right

Control modules

Overview of locations



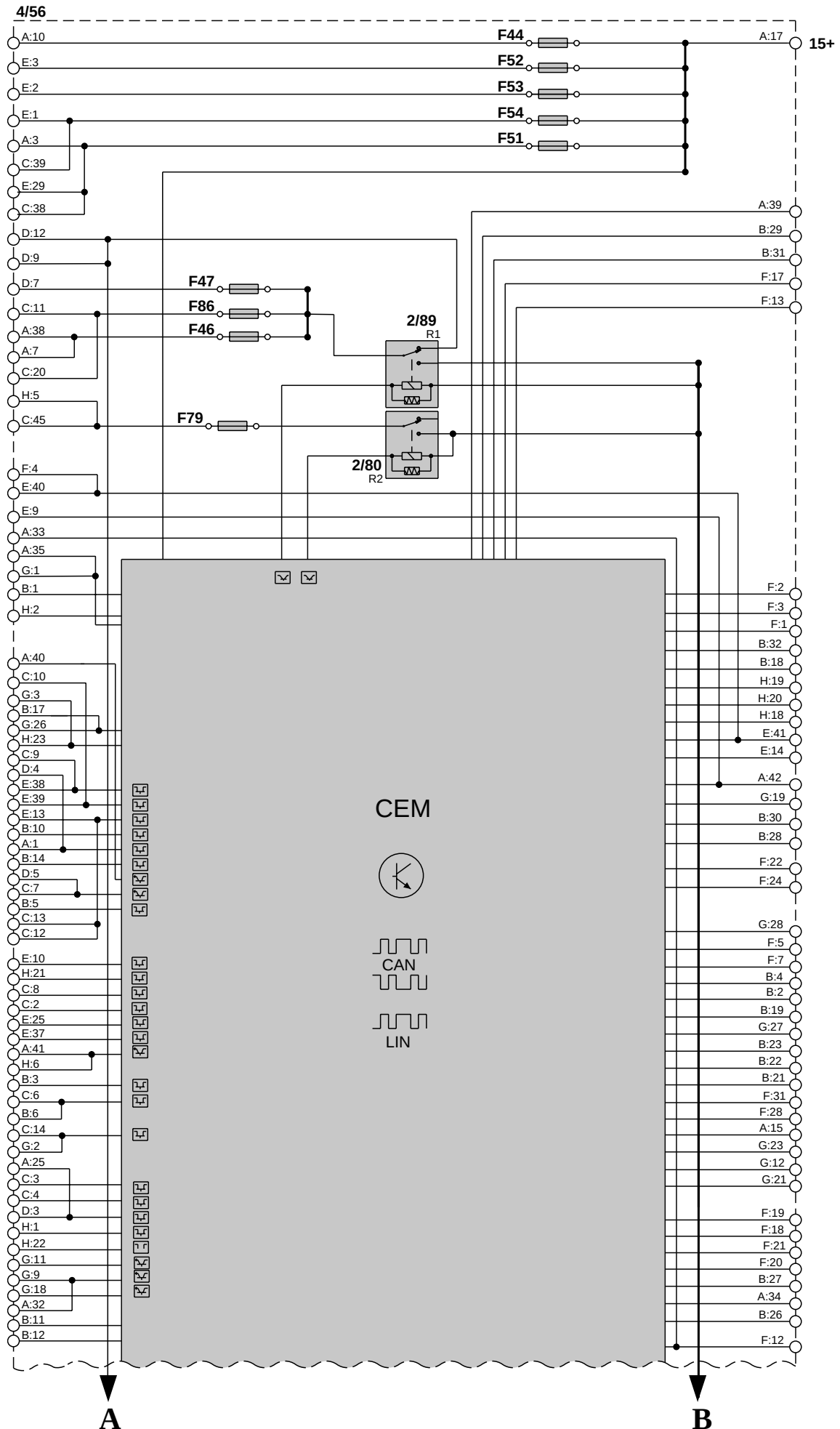
Control modules

Overview of designations

Unit	Designation
AEM	4/78 Accessory Electronic Module (AEM)
AFM	16/94 AM/FM Tuner Module (AFM)
AQS	7/159 Air Quality Sensor (AQS)
AUD	16/105 Audio Module (AUD)
BCM	4/16 Brake Control Module (BCM)
BSC	7/164 Body Sensor Cluster (BSC)
CCM	3/112 Climate Control Module (CCM)
CEM	4/56 Central Electronic Module (CEM)
CPM	4/7 Combustion Preheater Module (CPM)
DDM	3/126 Driver's Door Module (DDM)
DIM	5/1 Driver Information Module (DIM)
DMM	Damper Motor Module (DMM) -6/48 Damper Motor Module (DMM), recirculation -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
ECM	4/46 Engine Control Module (ECM)
EPS	6/71 Electrical Power Steering Module (EPS)
GDL	Gas Discharge Lamp Module (GDL) -4/112 Control module, gas discharge lamp (GDL), master, left -4/113 Control module, gas discharge lamp (GDL), slave, right
GPS	16/139 Global Positioning System Module (GPS)
GSM	3/156 Gear Selector Module (GSM)
ICM	16/1 Infotainment Control Module (ICM)
LDM	3/128 Left Rear Door Module (LDM)
MMM	16/108 Multimedia Module (MMM)
MPM	16/107 Media Player Module (MPM)
OWS	7/93 Occupant Weight Sensor (OWS)
PDM	3/127 Passenger Door Module (PDM)
PHM	16/60 Phone Module (PHM)
PSM	4/52 Power Seat Module (PSM)
RDM	3/129 Right Rear Door Module (RDM)
RRX	4/103 Remote Entry (RRX)
RSM	7/149 Rain Sensor Module (RSM)
SCL	4/102 Steering Column Lock Module (SCL)
SCM	16/35 Siren Control Module (SCM)
SCU	3/1 Start Control Module (SCU)
SHM	Seat Heater Module (SHM) -9/12 Seat Heater Module (SHM), driver's side -9/13 Seat Heater Module (SHM), passenger side
SRS	4/9 Supplemental Restraint System Module (SRS)
SUB	16/79 Subwoofer Module (SUB)
SWM	3/254 Steering Wheel Module (SWM)
TCM	4/28 Transmission Control Module (TCM)
TMC	16/49 Traffic Message Channel Module (TMC)
TRM	4/110 Trailer Module (TRM)
WMM	6/1 Wiper Motor Module (WMM)
17/13	17/13 Data link connector

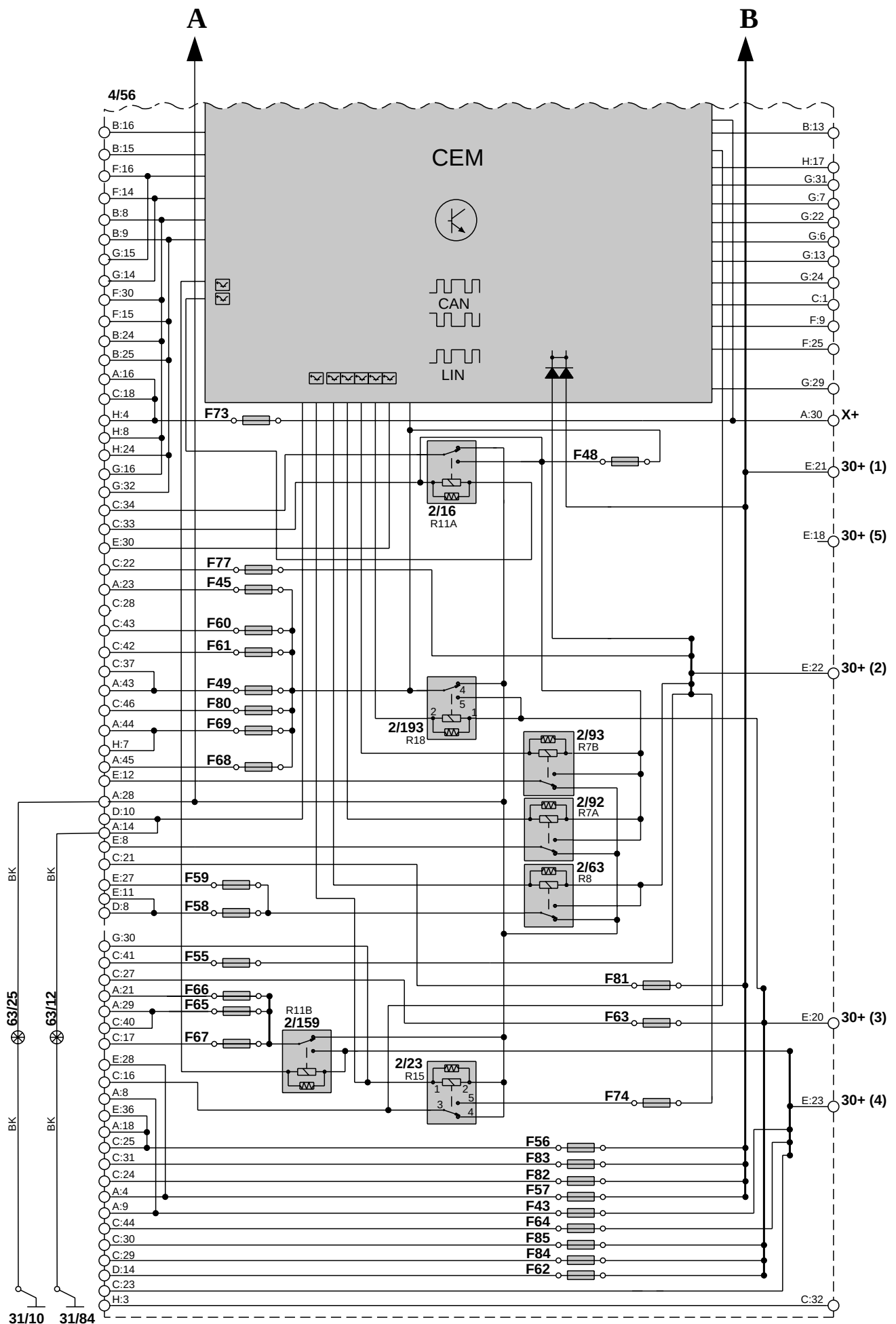
Control modules

Central Electronic Module (CEM) 1:2



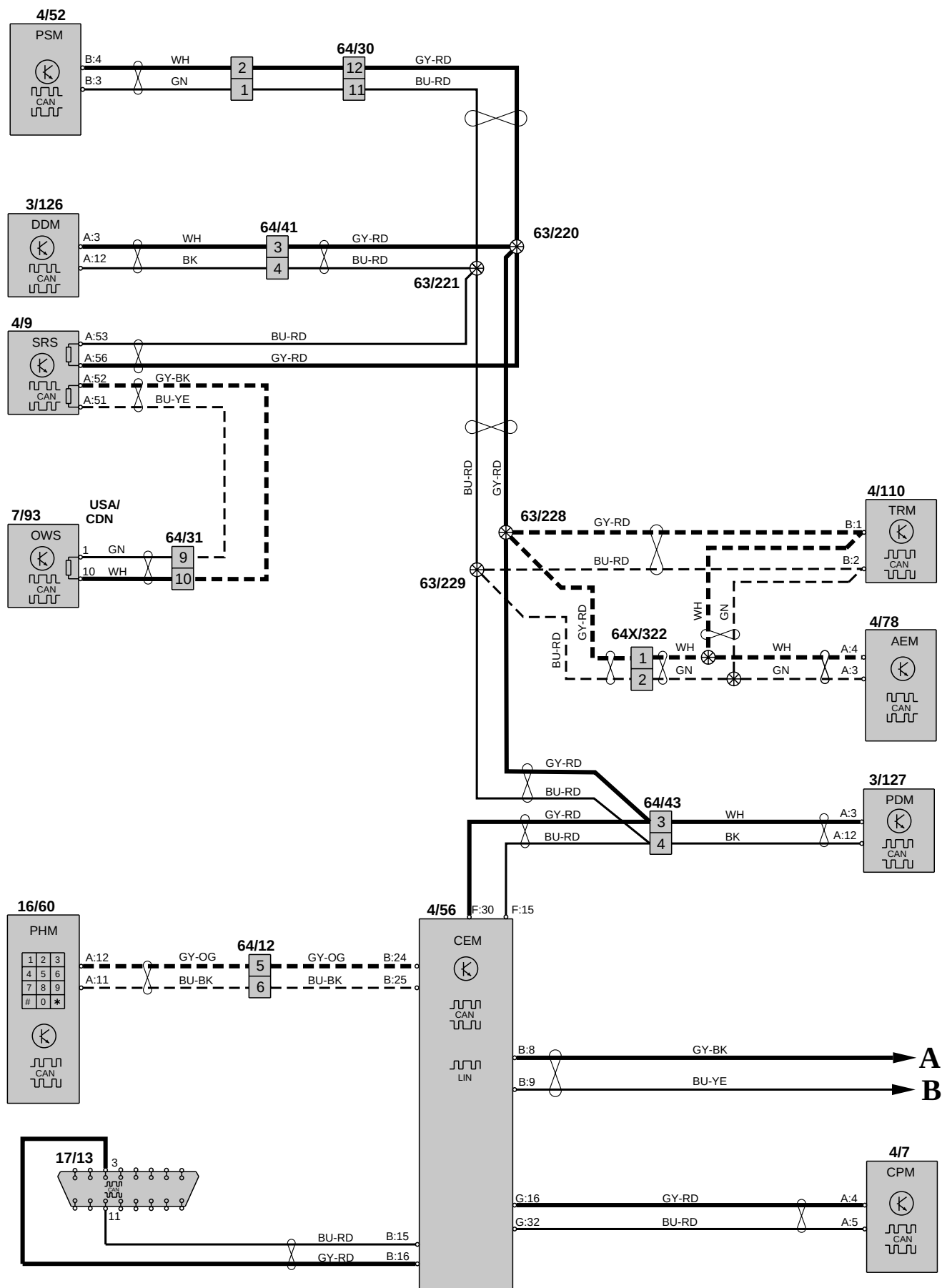
Control modules

Central Electronic Module (CEM) 2:2



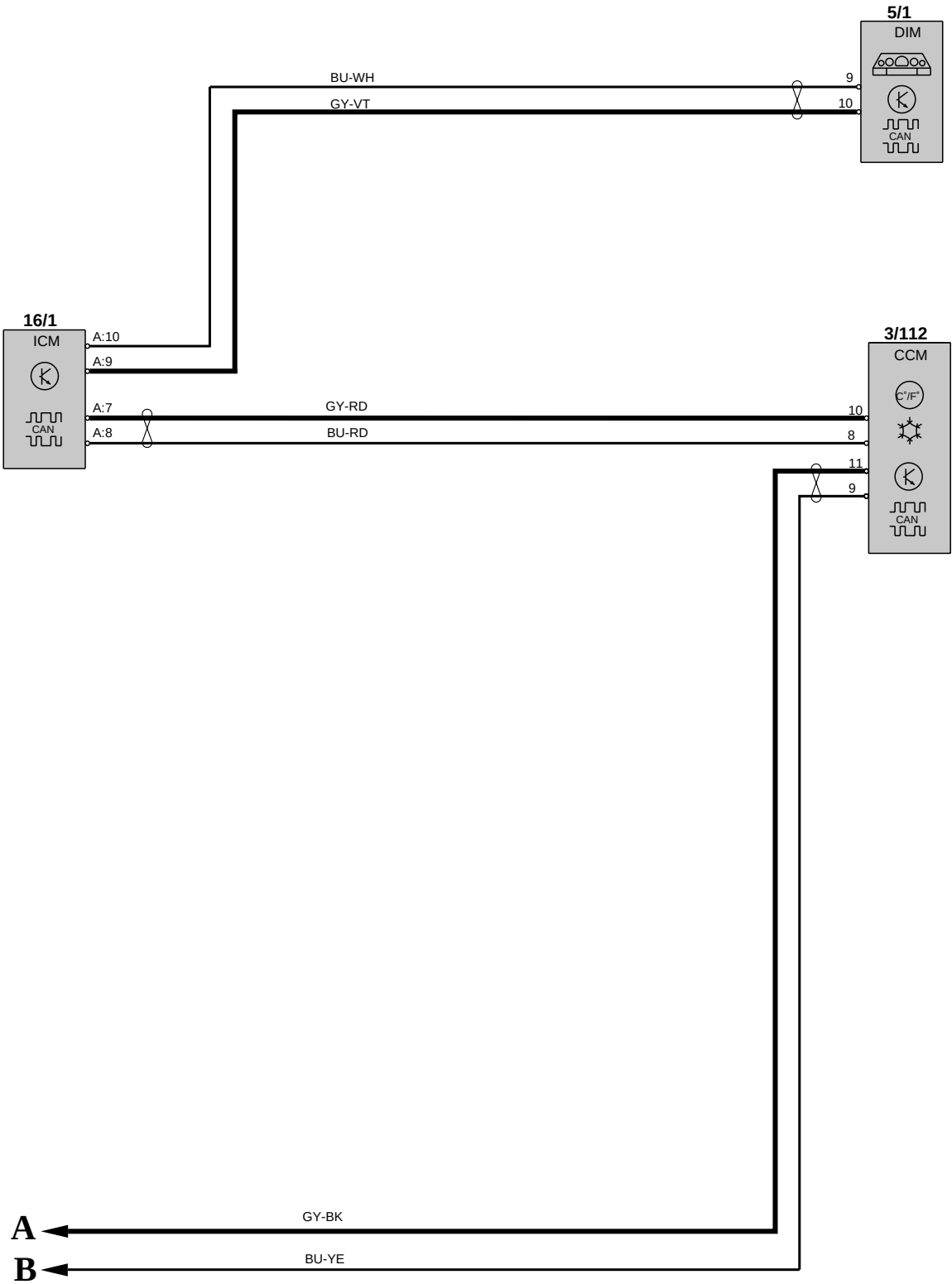
Control modules

Low speed CAN data communication 1:2



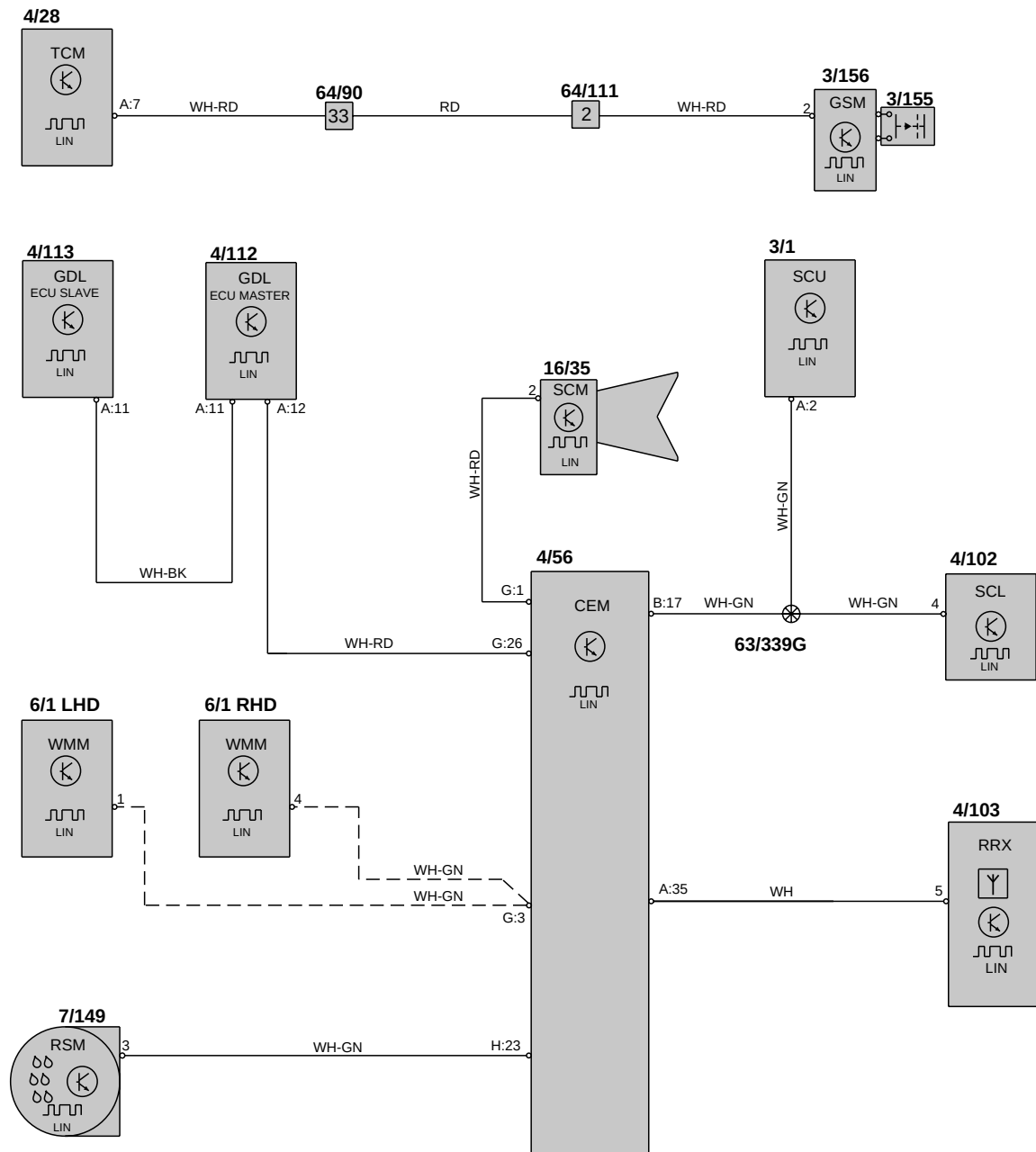
Control modules

Low speed CAN data communication 2:2



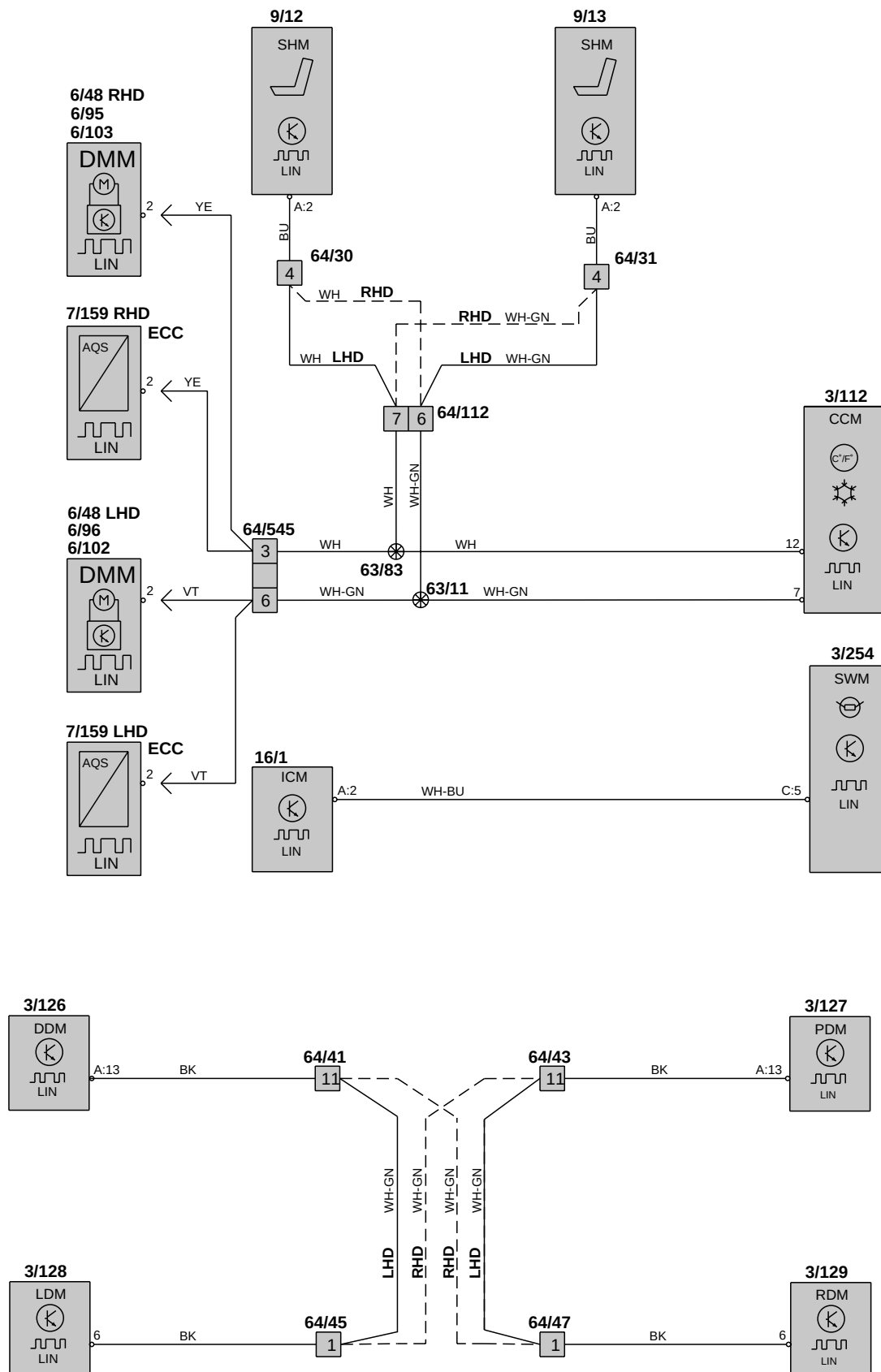
Control modules

LIN data communication 1:2



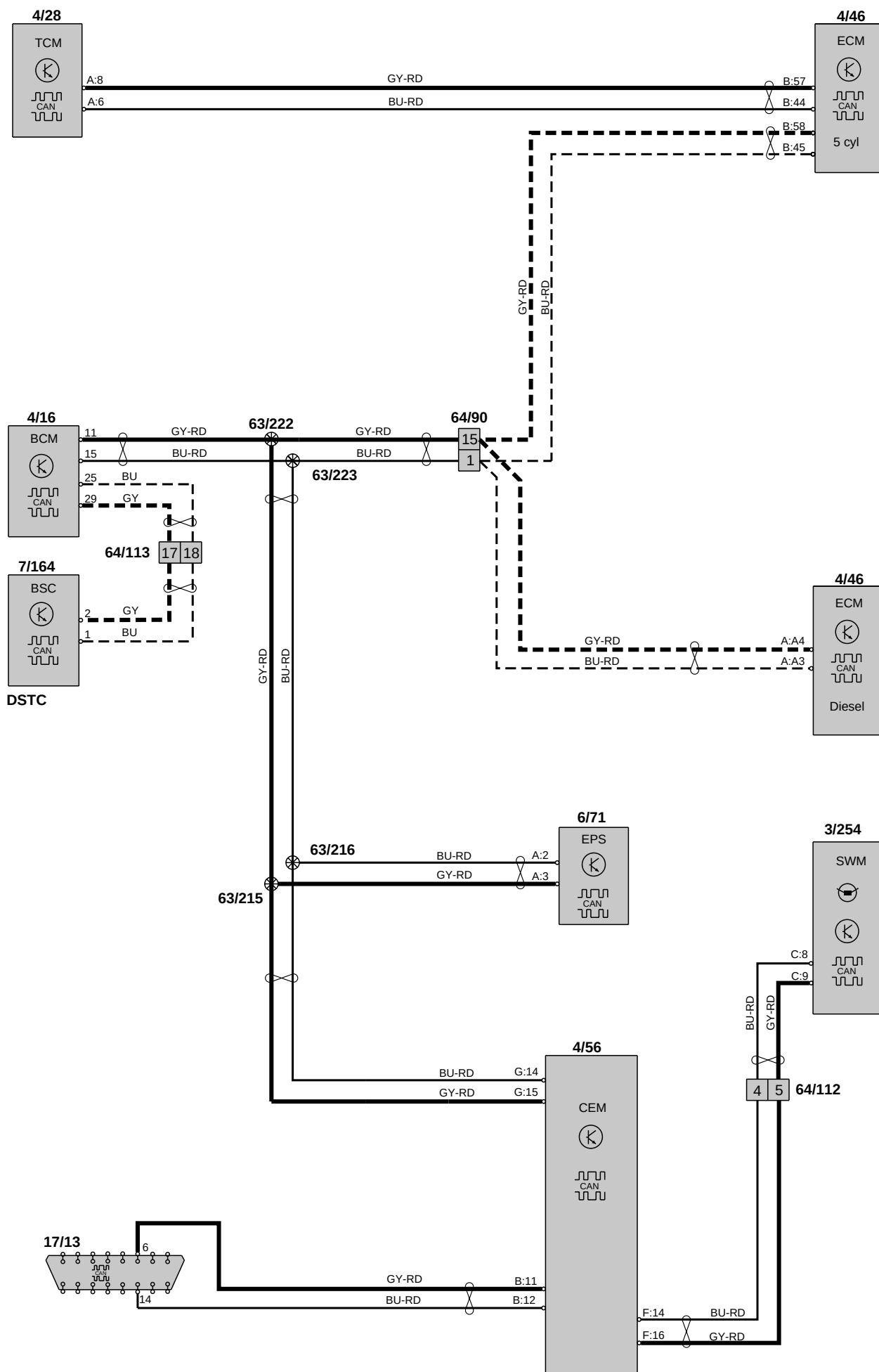
Control modules

LIN data communication 2:2



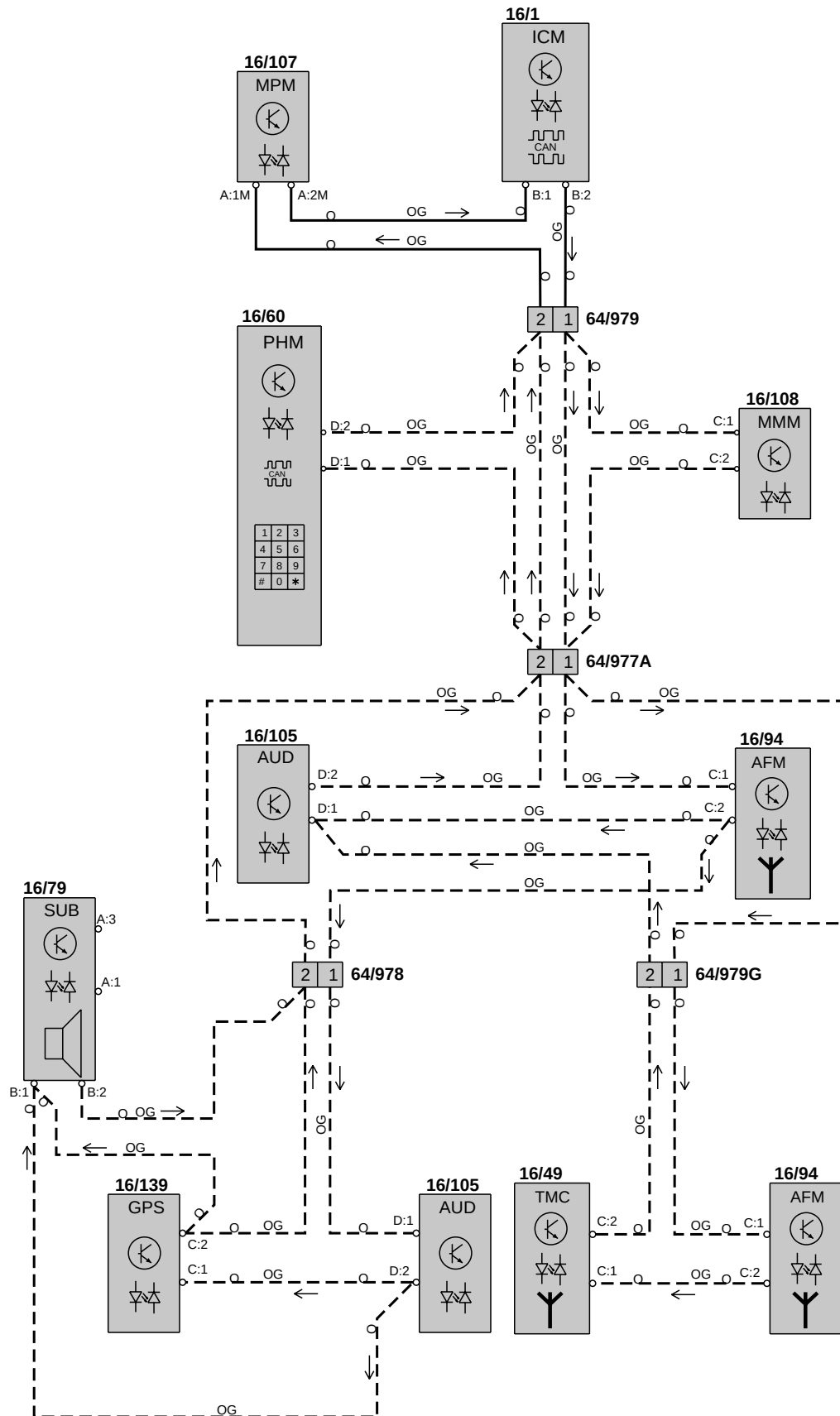
Control modules

High speed CAN data communication



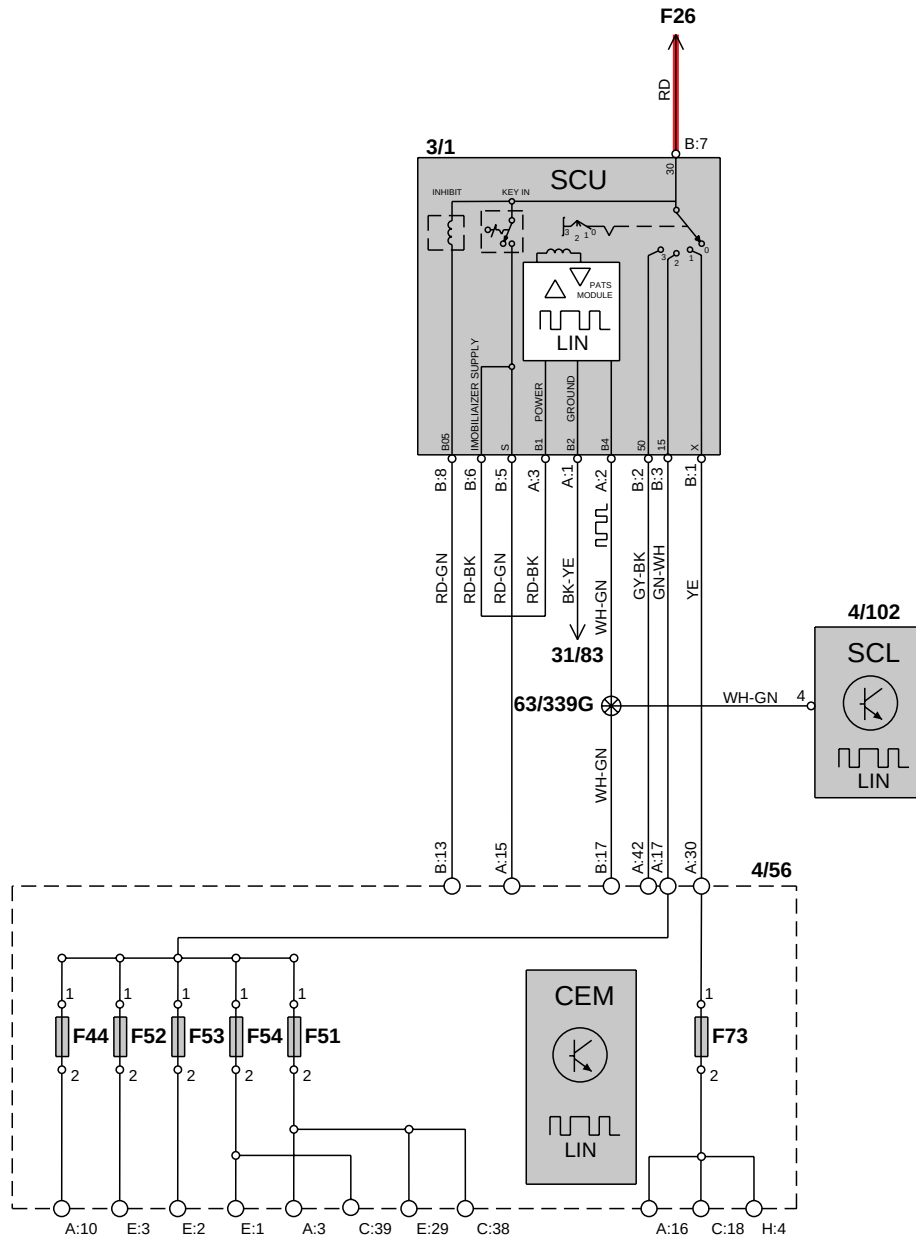
Control modules

Data communication MOST



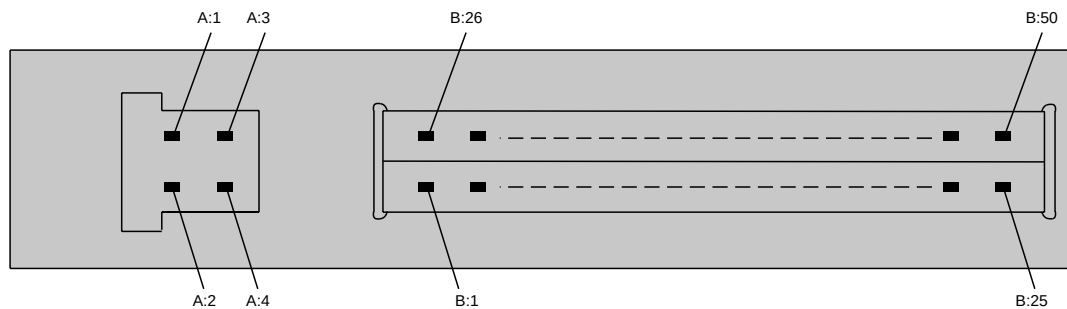
Control modules

Start Control Module (SCU)



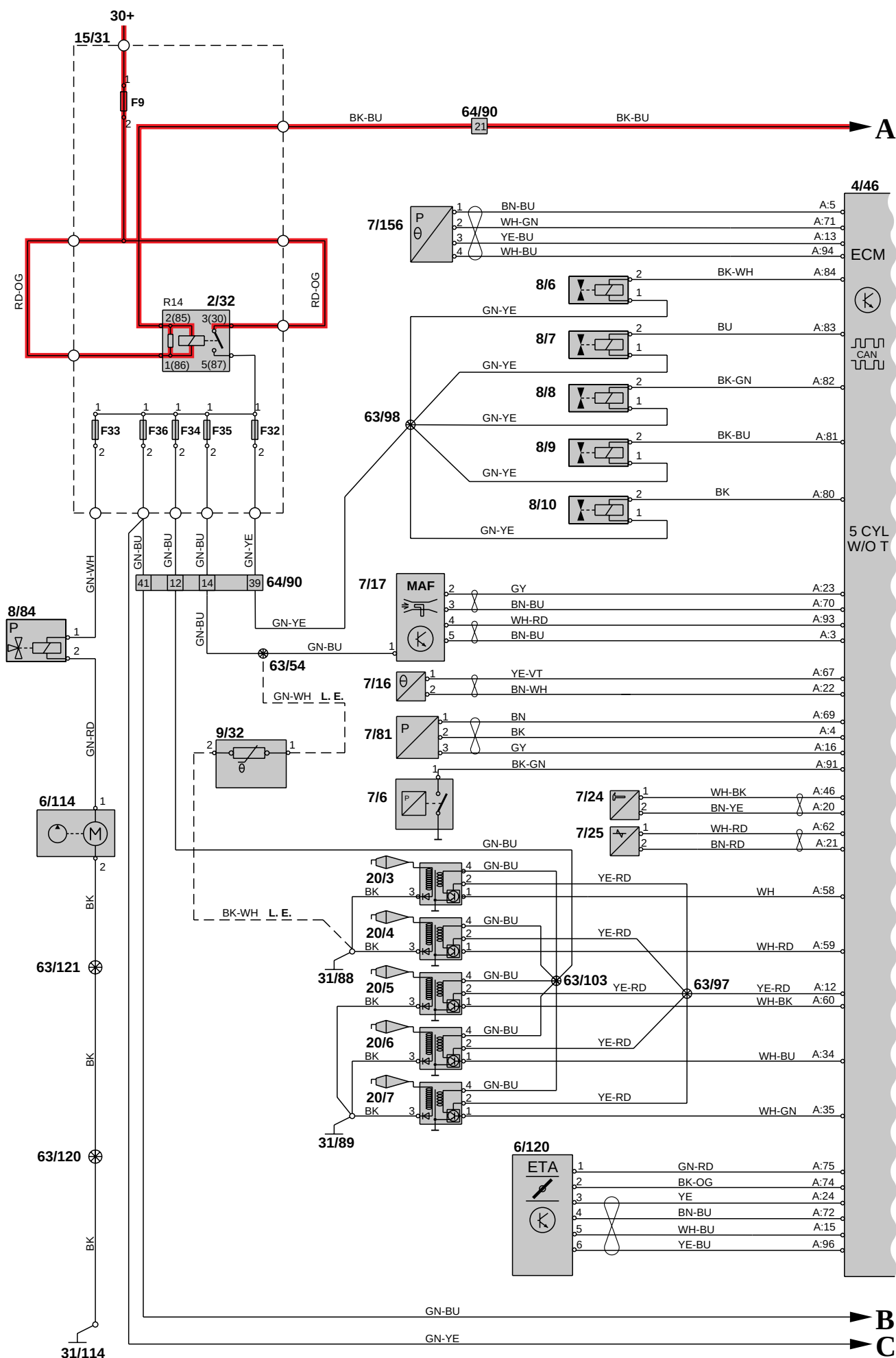
Control modules

Accessory Electronic Module (AEM)



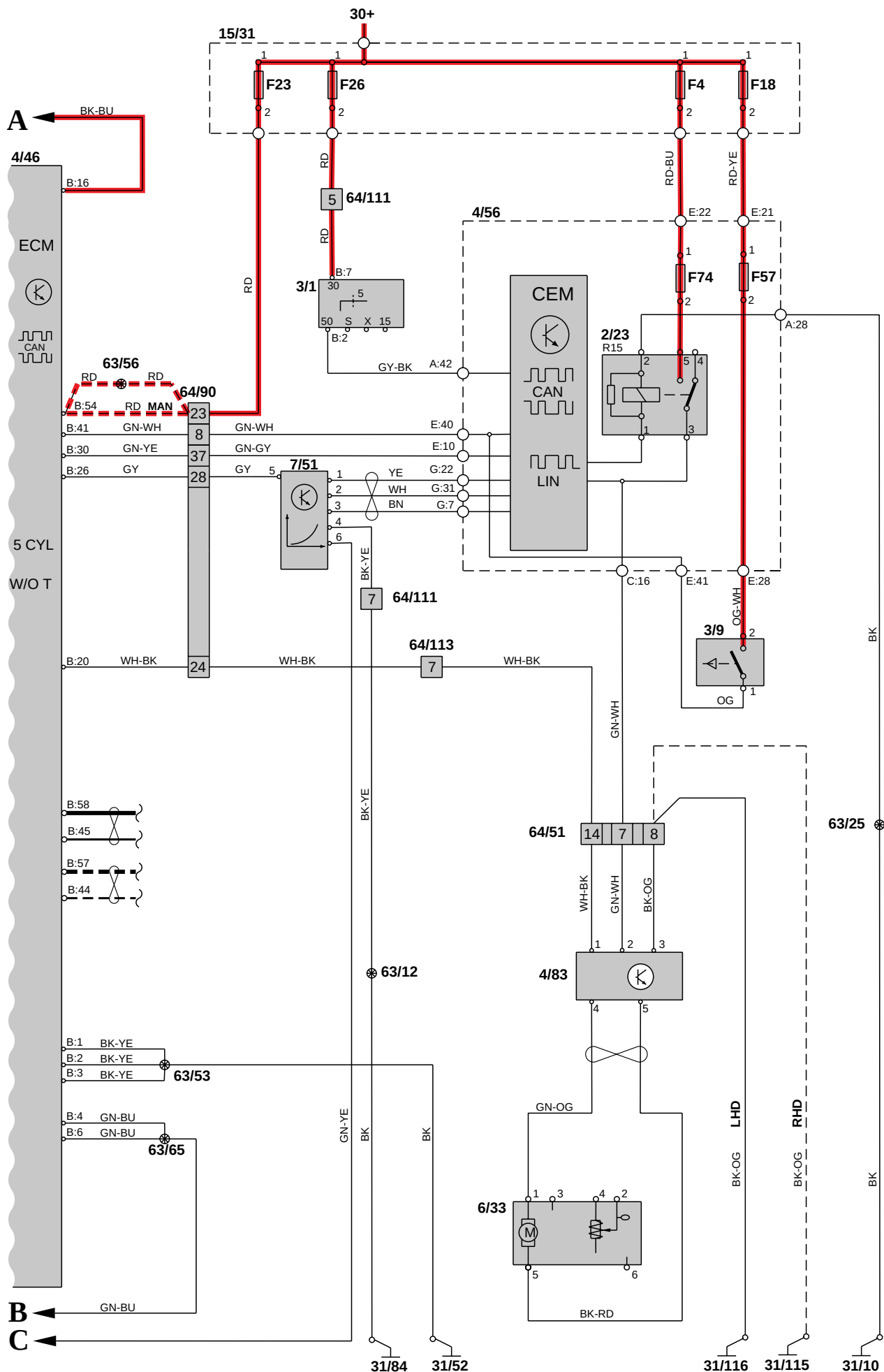
Pos	Function	Type
A:1	Electrical distribution	Ground
A:2	Electrical distribution	Feed
A:3	CAN communication	Input/output signals
A:4	CAN communication	Input/output signals
B:5	Electric engine heater	Steering, alternating current feed
B:11	Handsfree, audio disengage	Input signal
B:15	Alarm signal	Output signal
B:16	Alarm signal	Output signal
B:33	Alarm signal	Output signal
B:34	Alarm signal	Output signal

Engine management system, 5-cyl 1:2



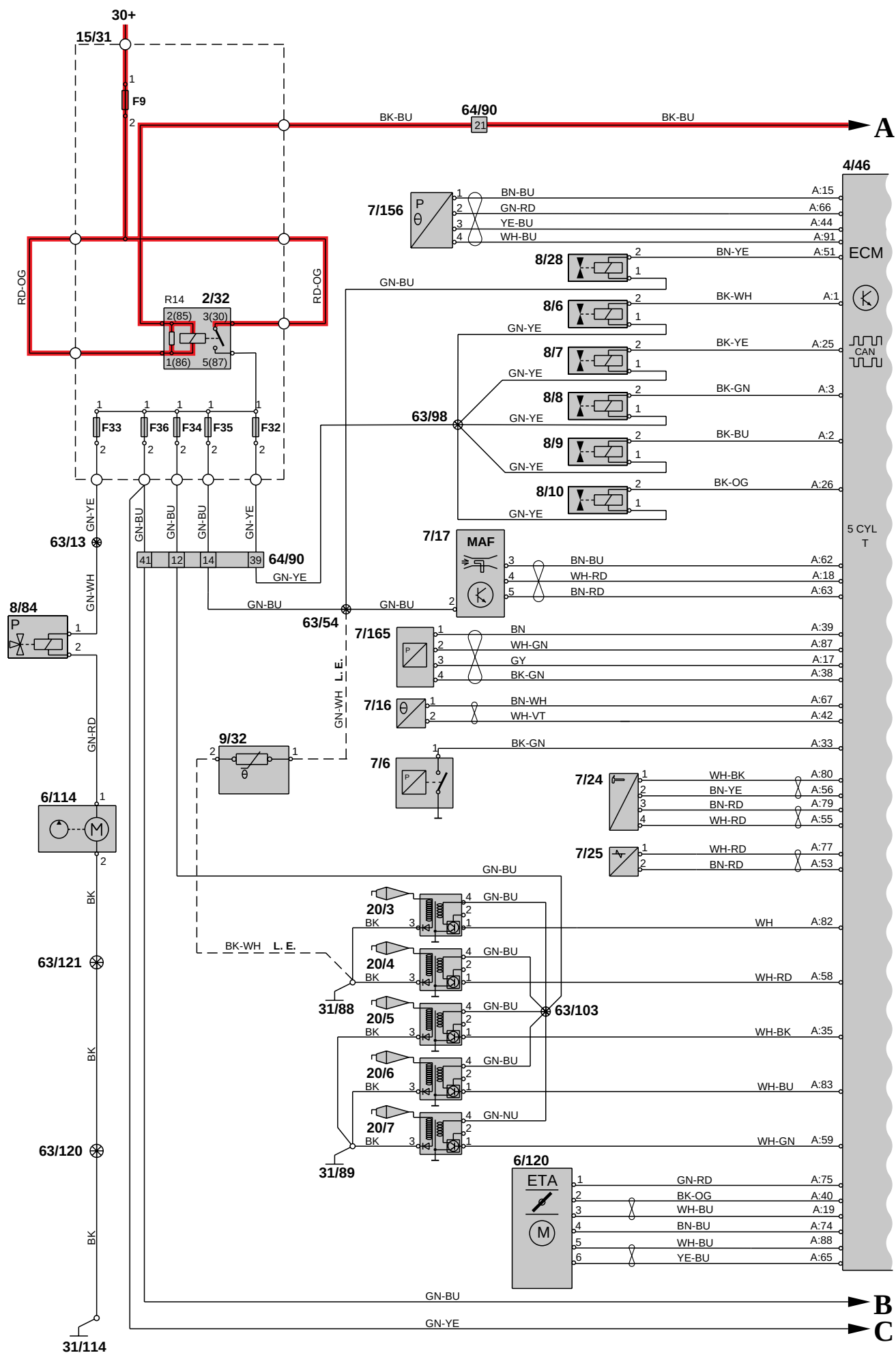
Group 23 Fuel system

Engine management system, 5-cyl 2:2



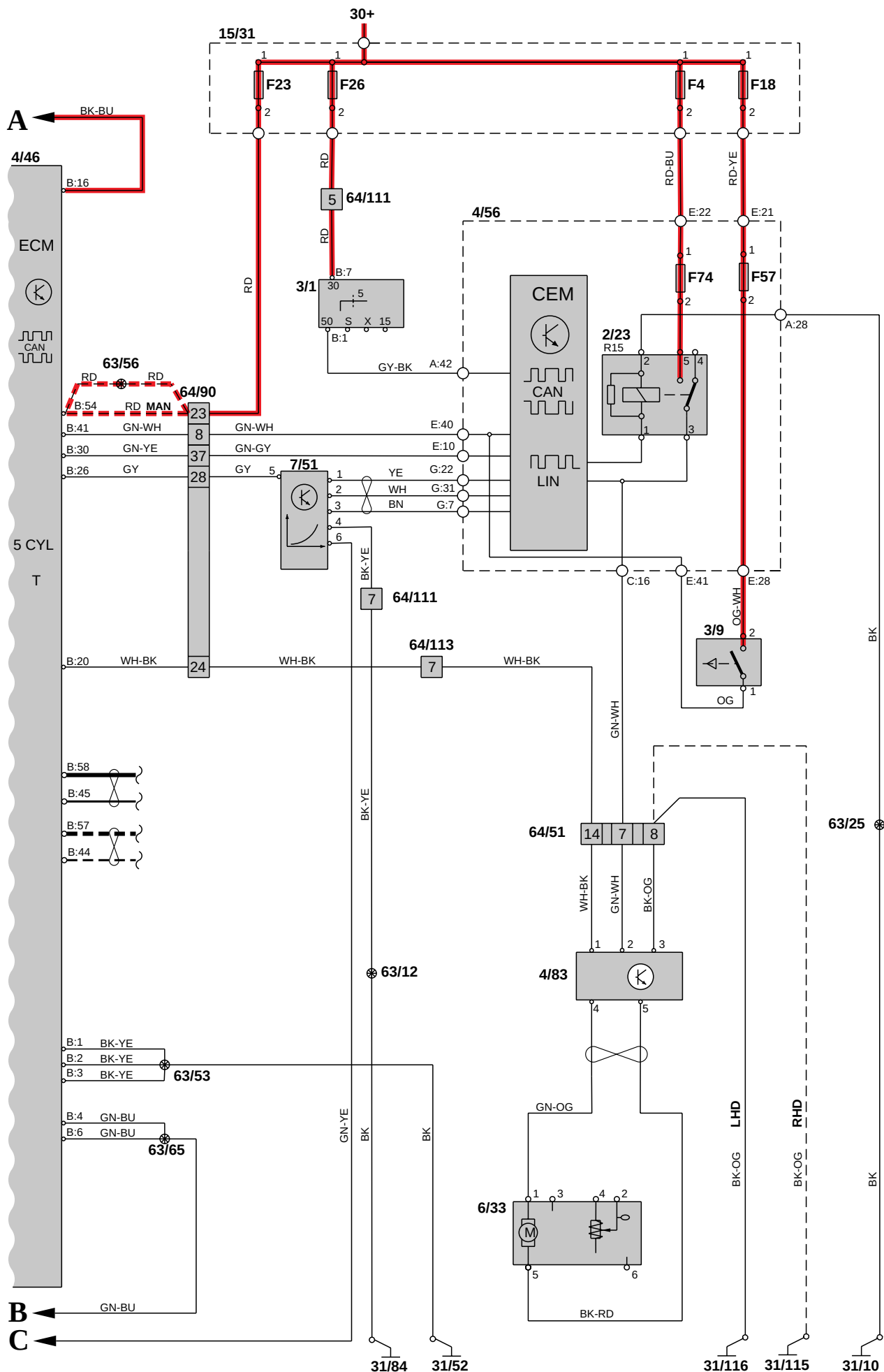
Group 23 Fuel system

Engine management system, 5-cyl Turbo 1:2

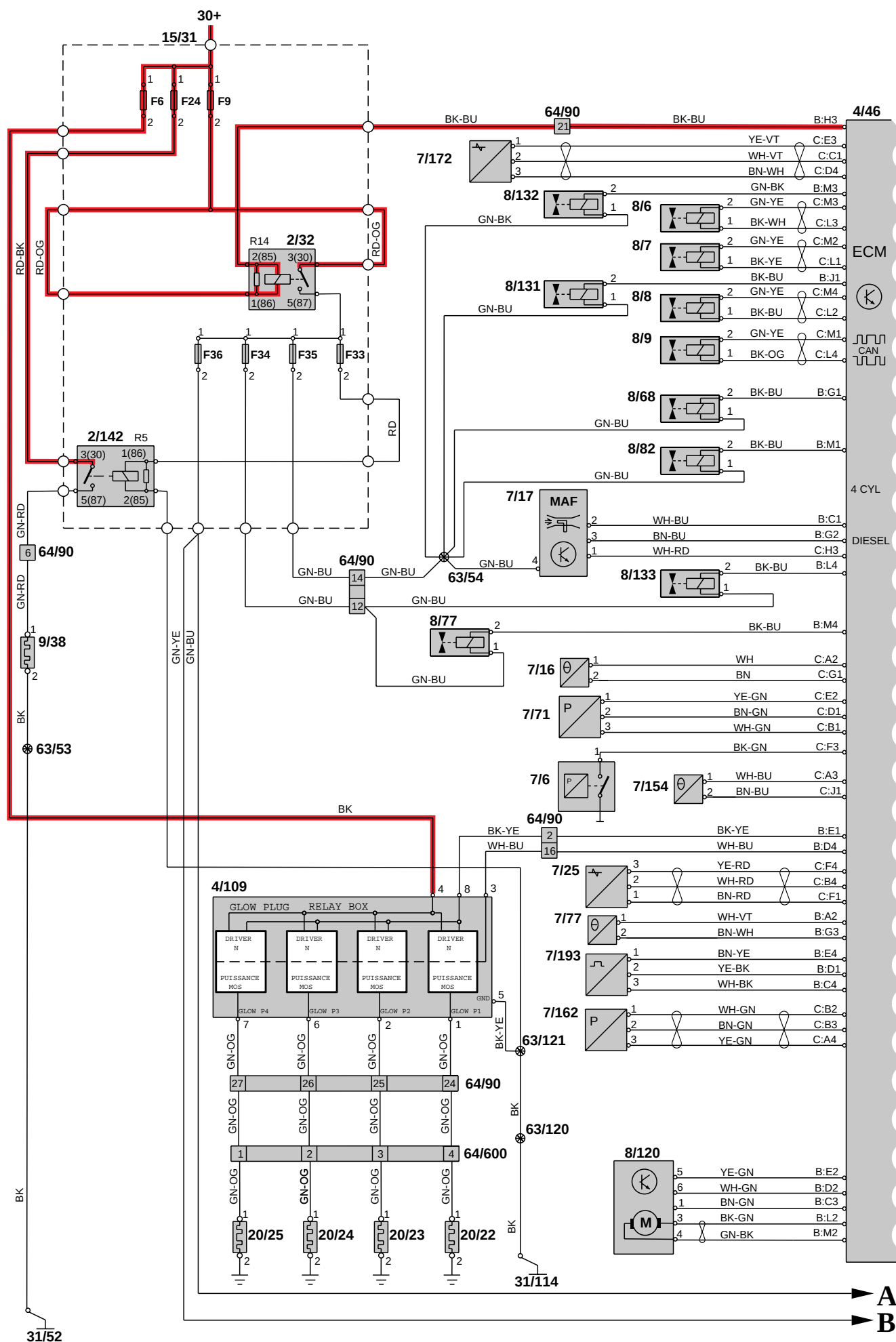


Group 23 Fuel system

Engine management system, 5-cyl Turbo 2:2

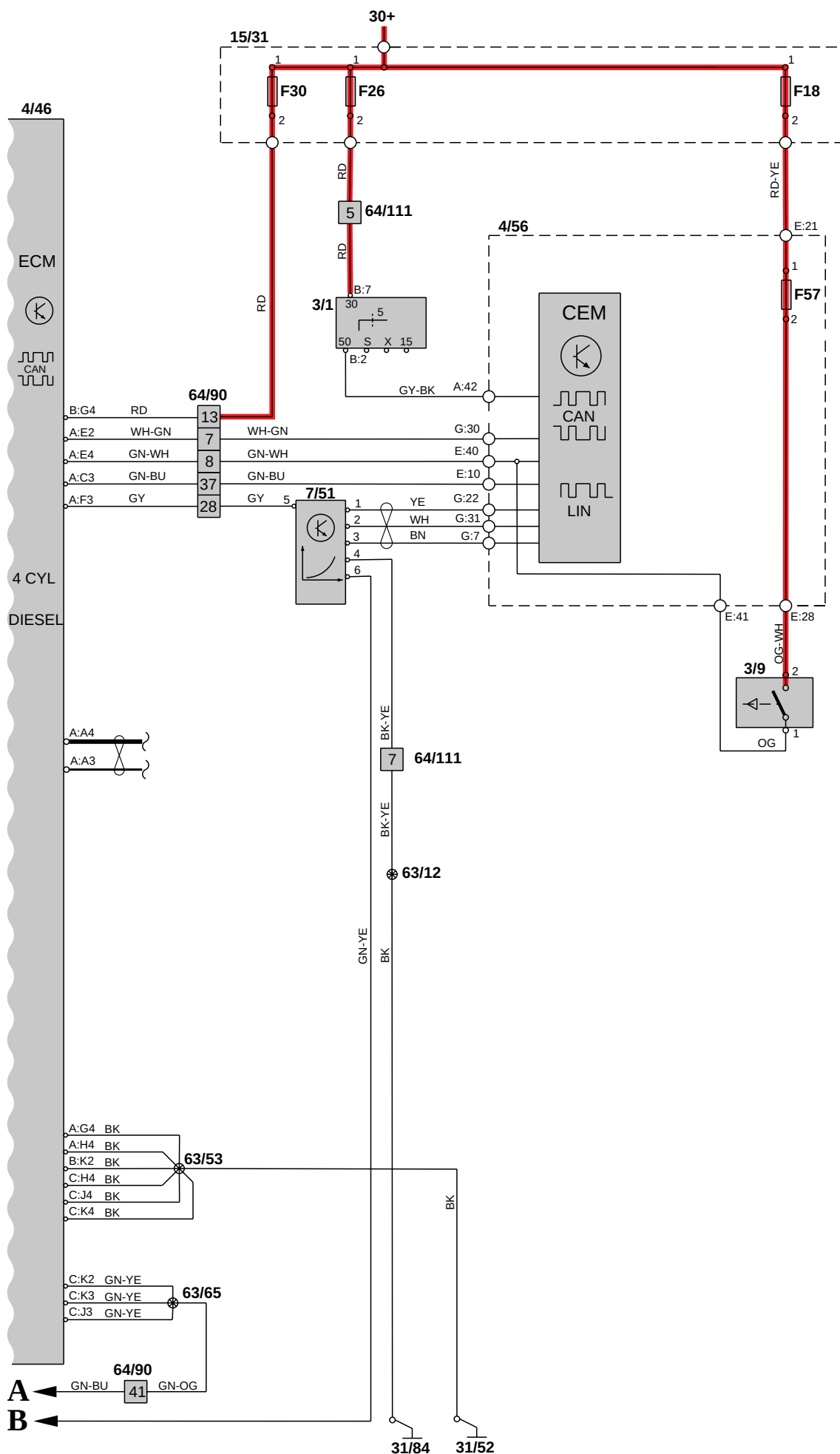


Engine management system, Diesel 1:2

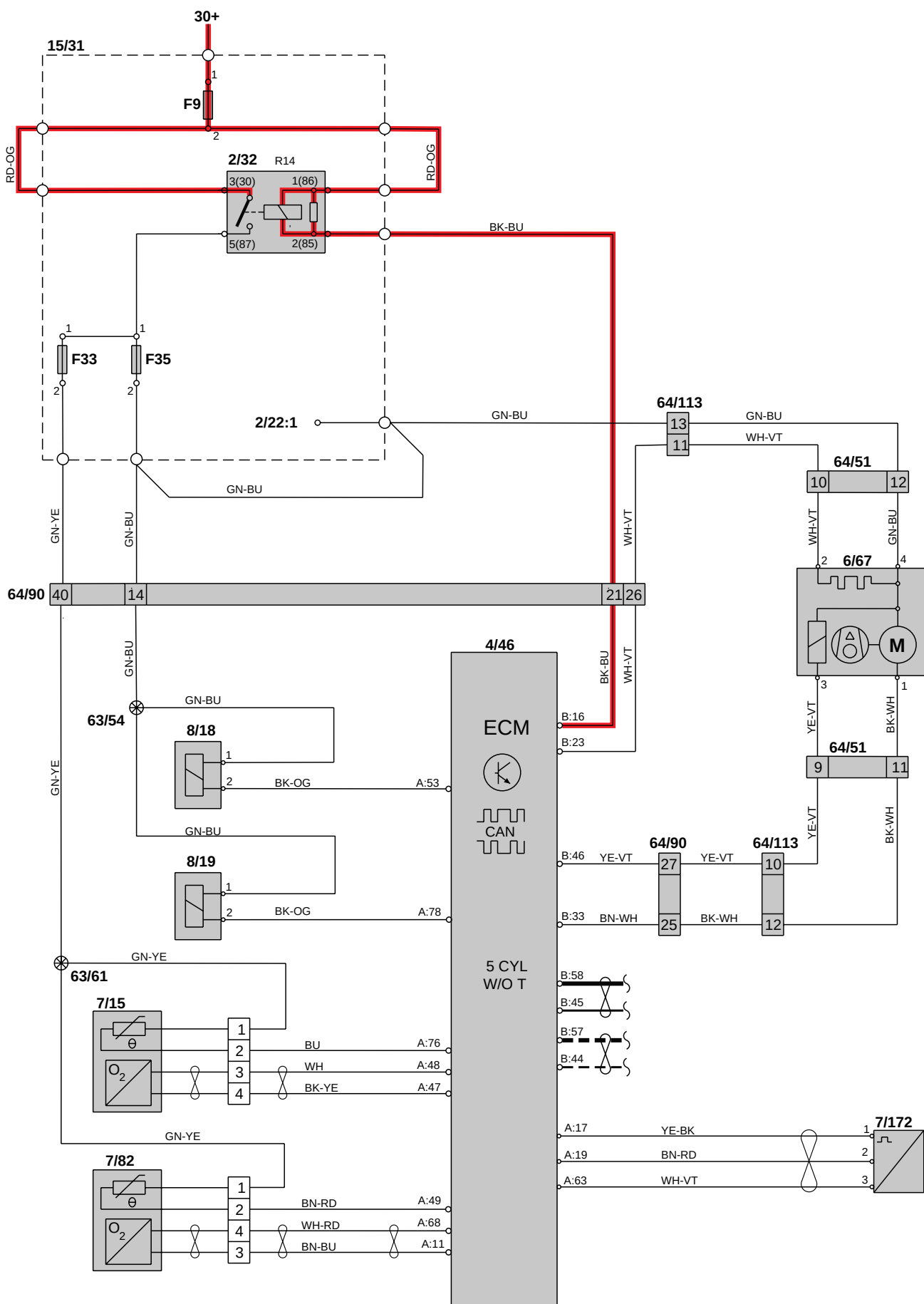


Group 23 Fuel system

Engine management system, Diesel 2:2

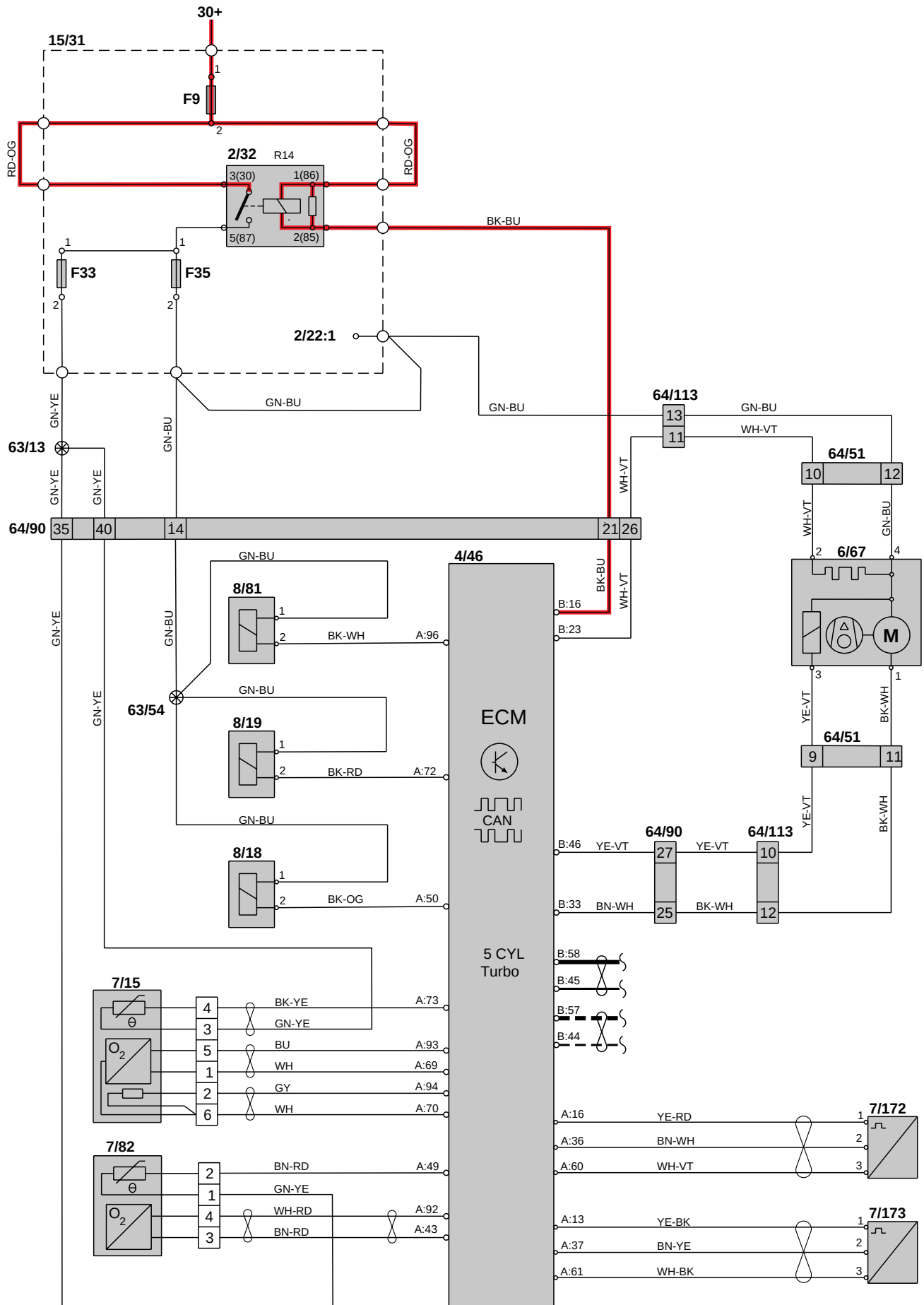


Group 23 Fuel system Emission control, 5-cyl



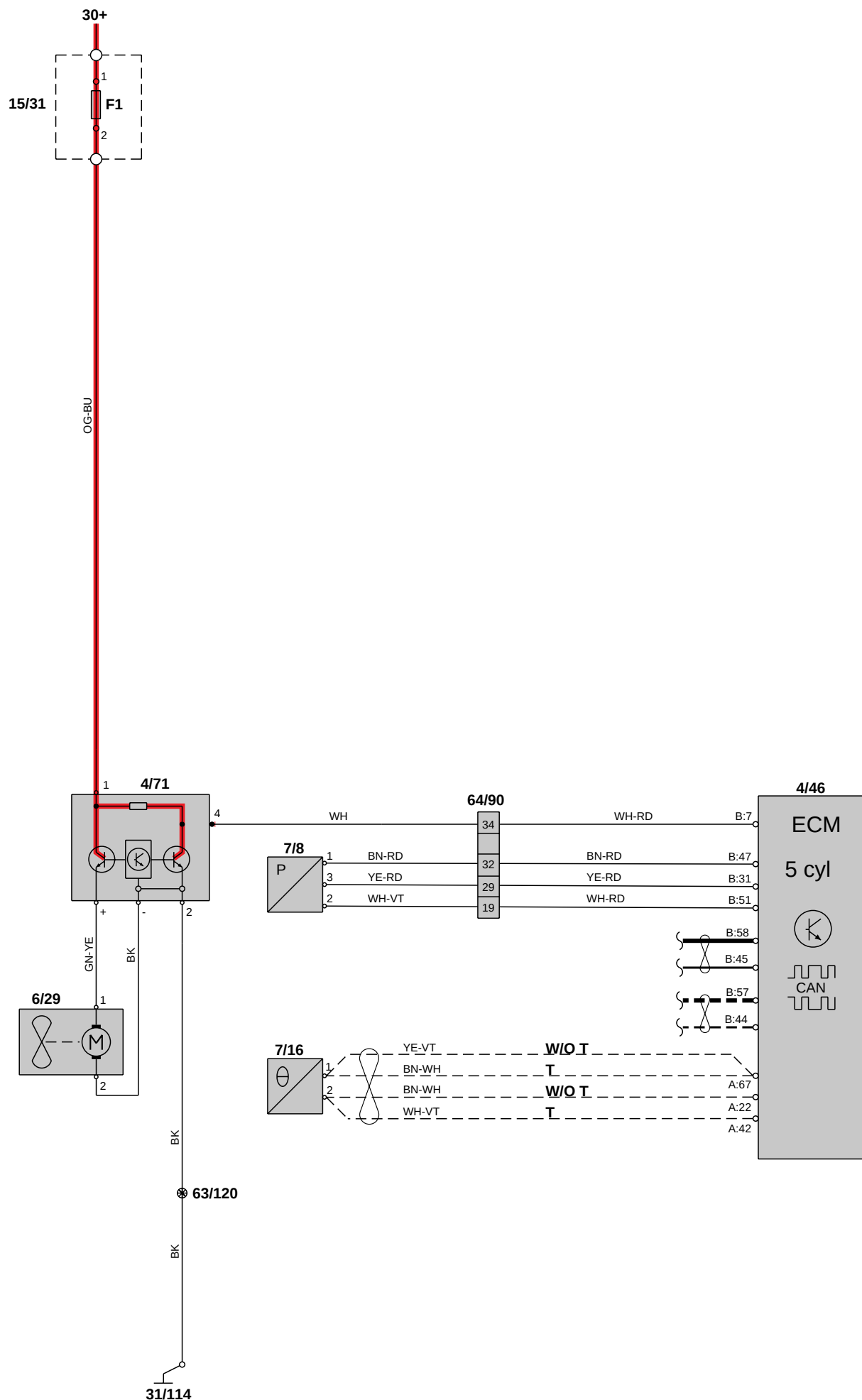
Group 23 Fuel system

Emission control, 5-cyl Turbo



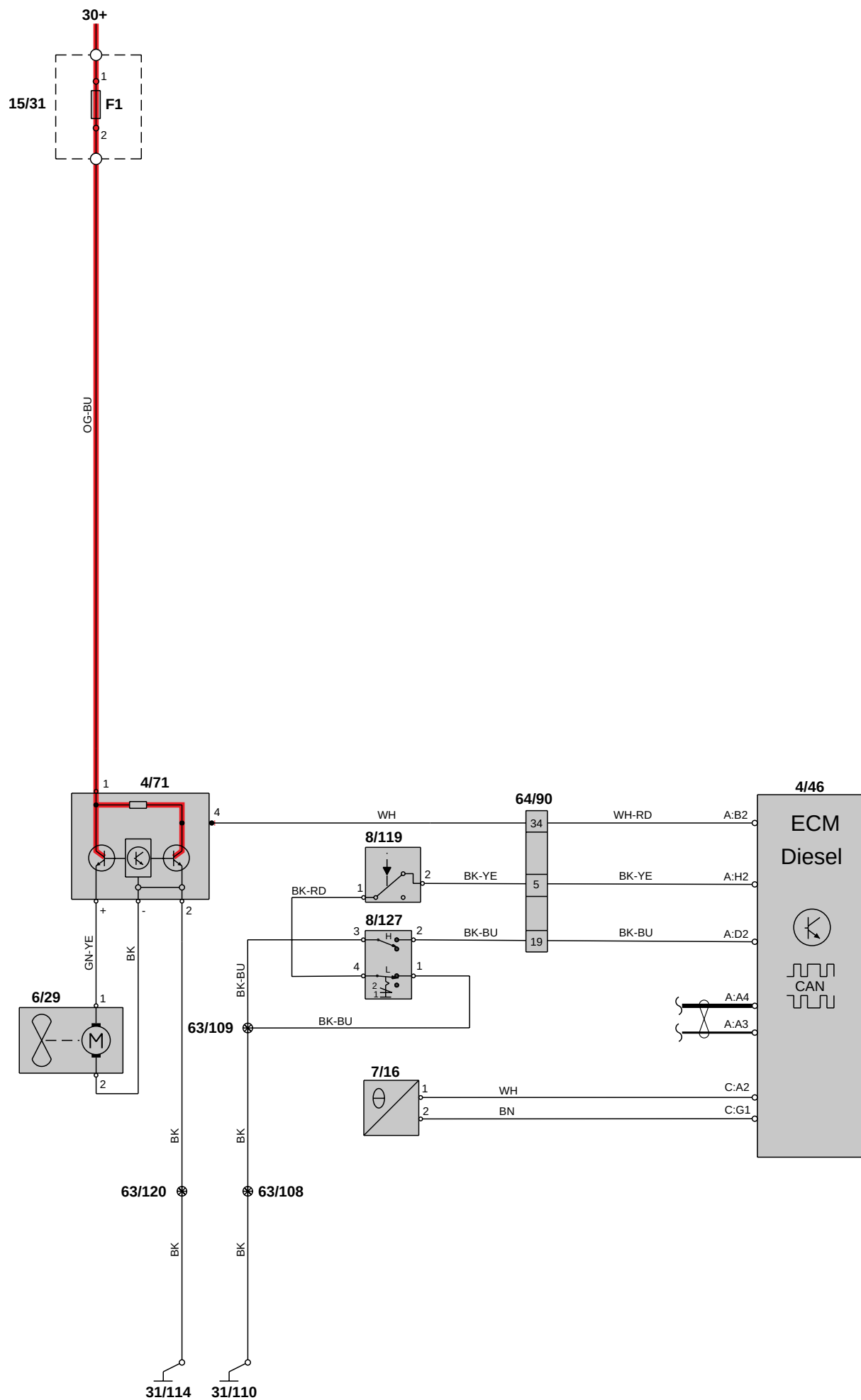
Group 26 Cooling system

Cooling fan



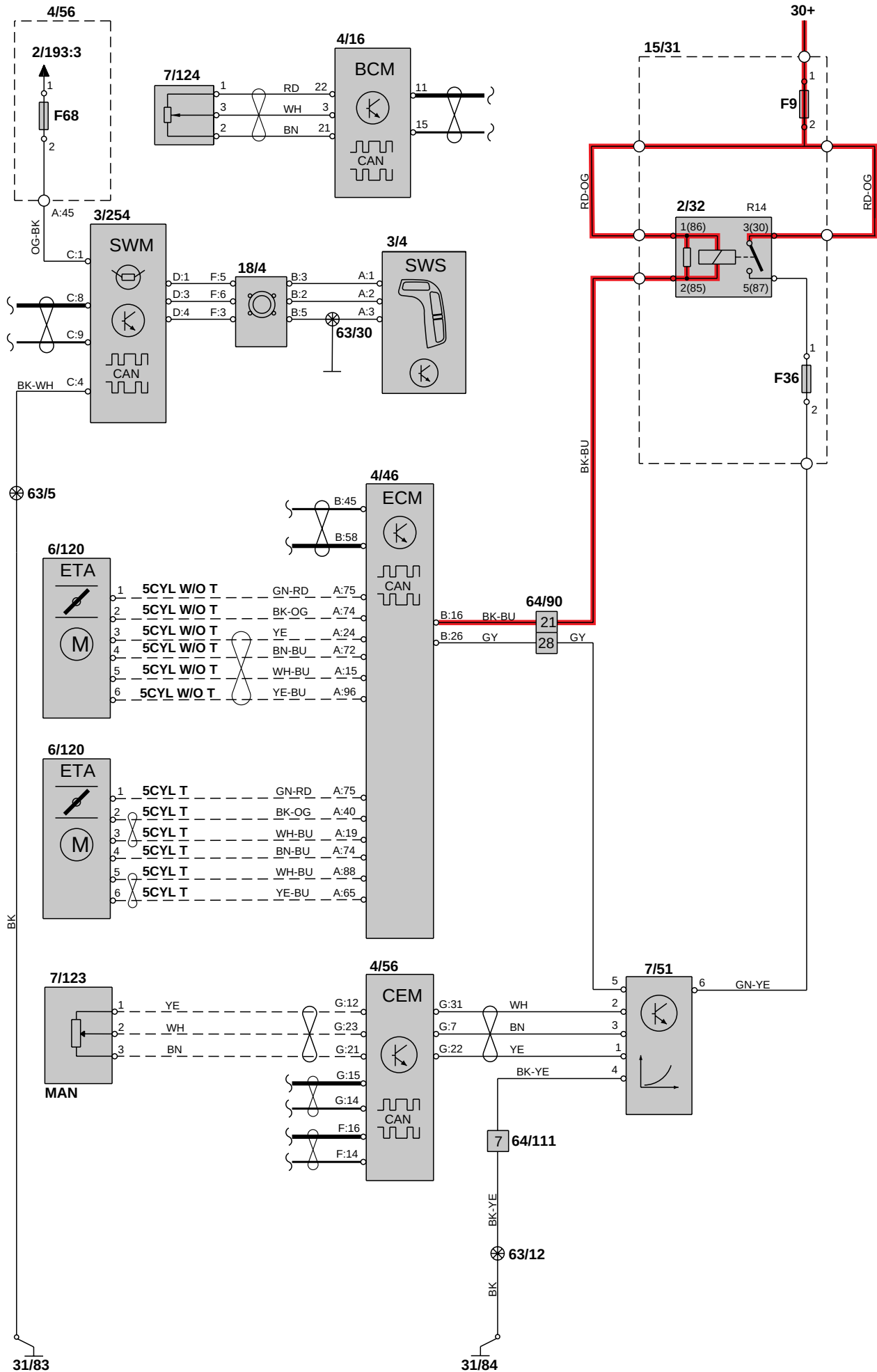
Group 26 Cooling system

Cooling fan Diesel



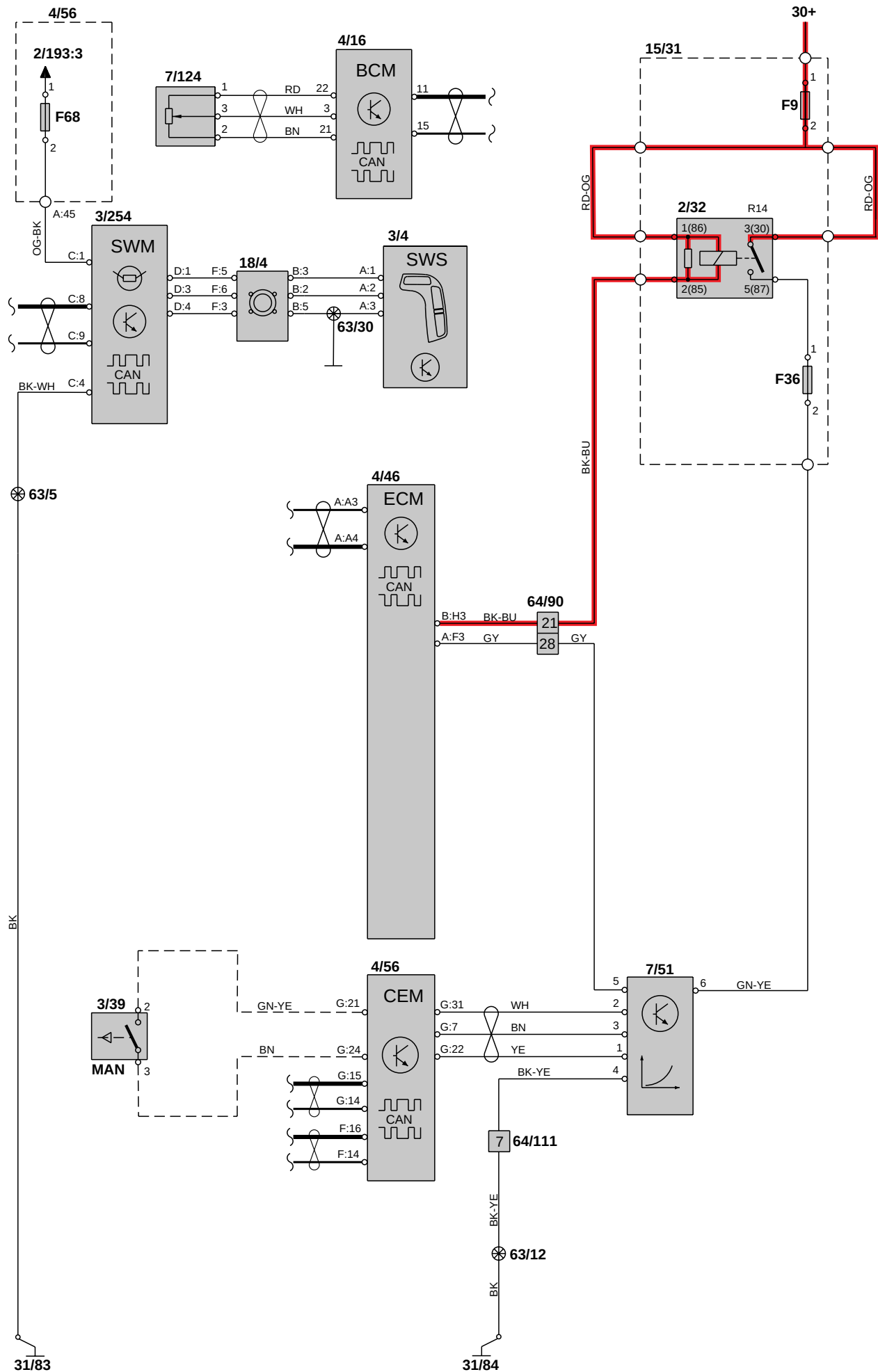
Group 27 Engine control

Cruise control



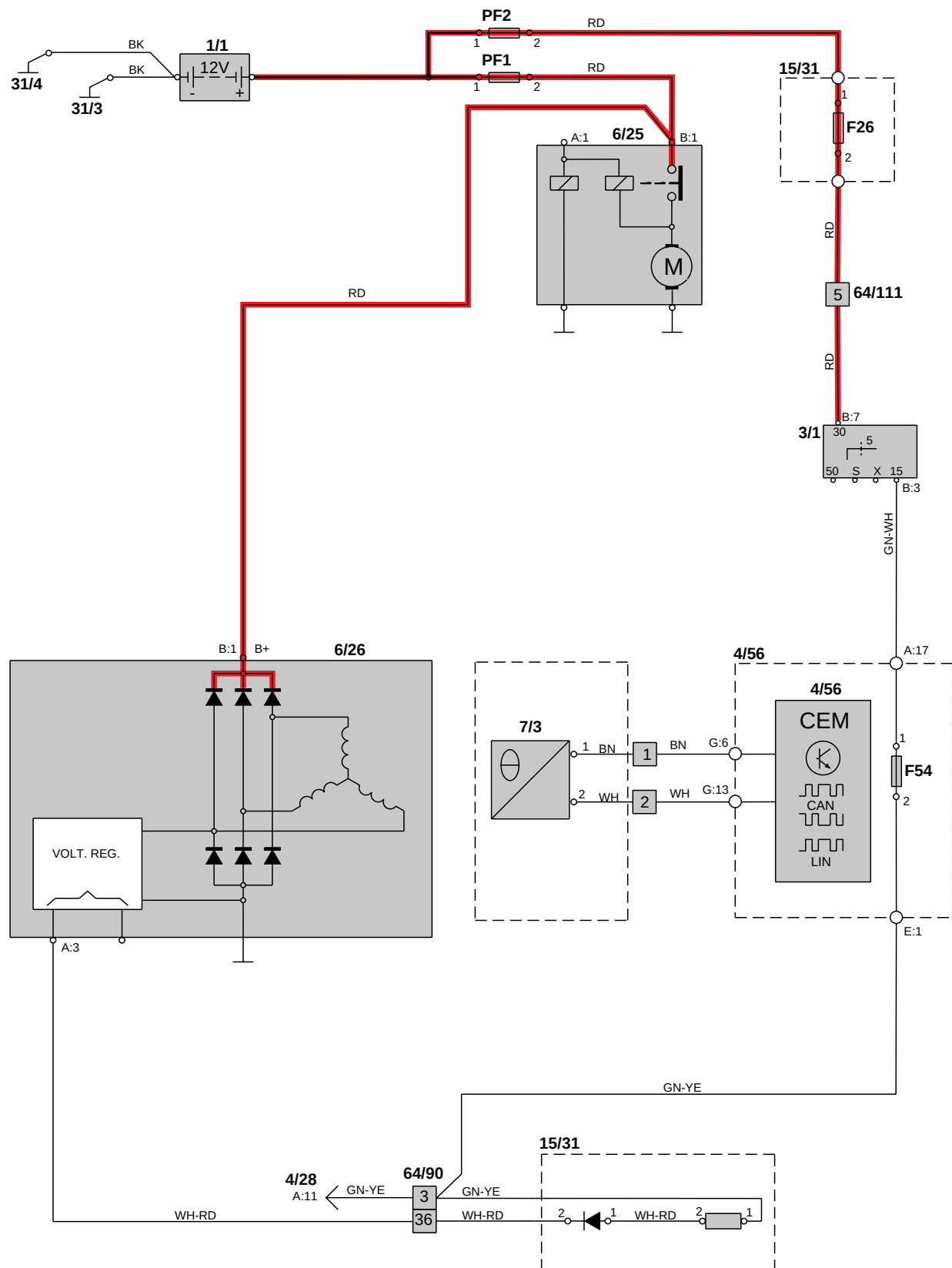
Group 27 Engine control

Cruise control, Diesel



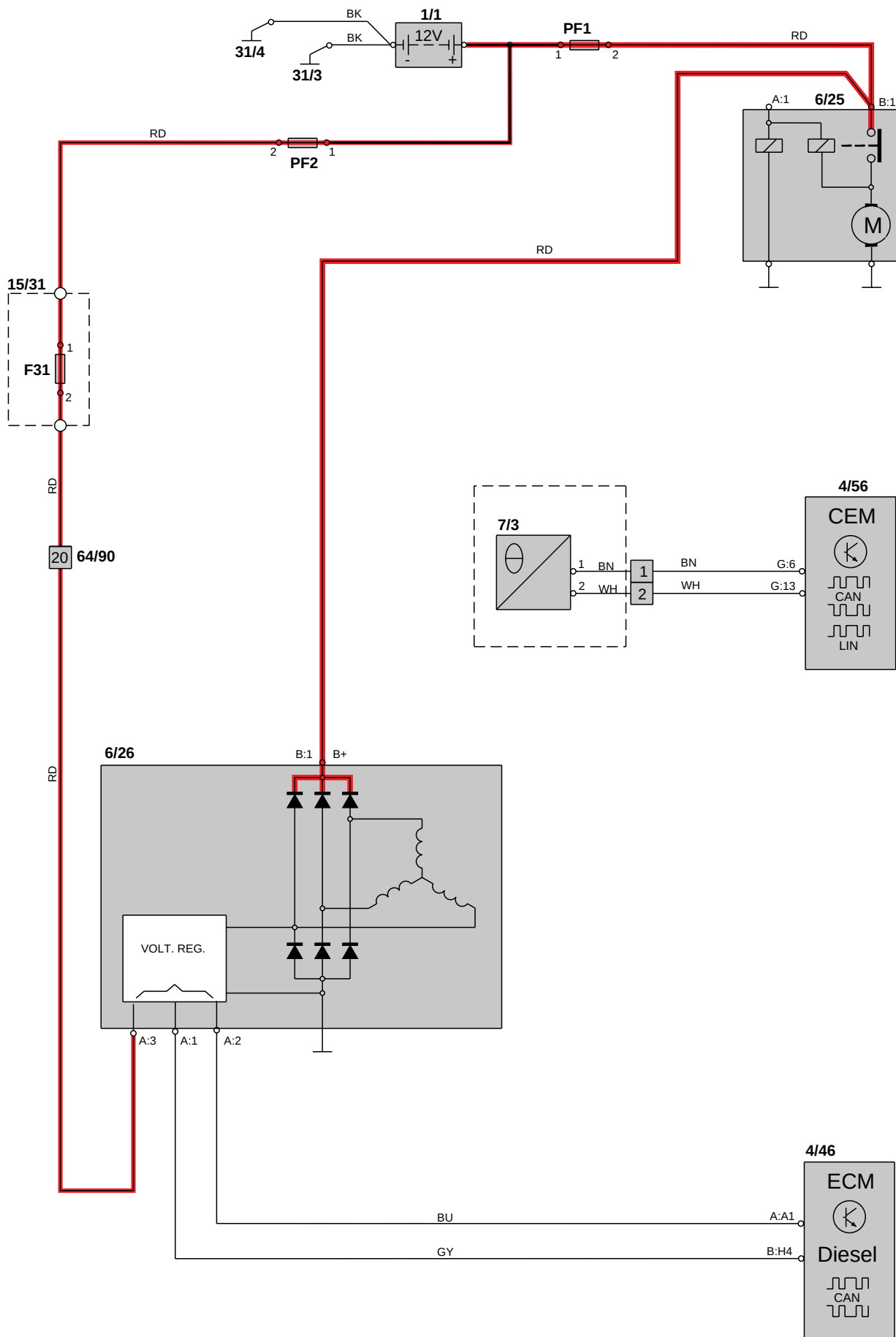
Group 32 Generator and voltage regulator

Power supply



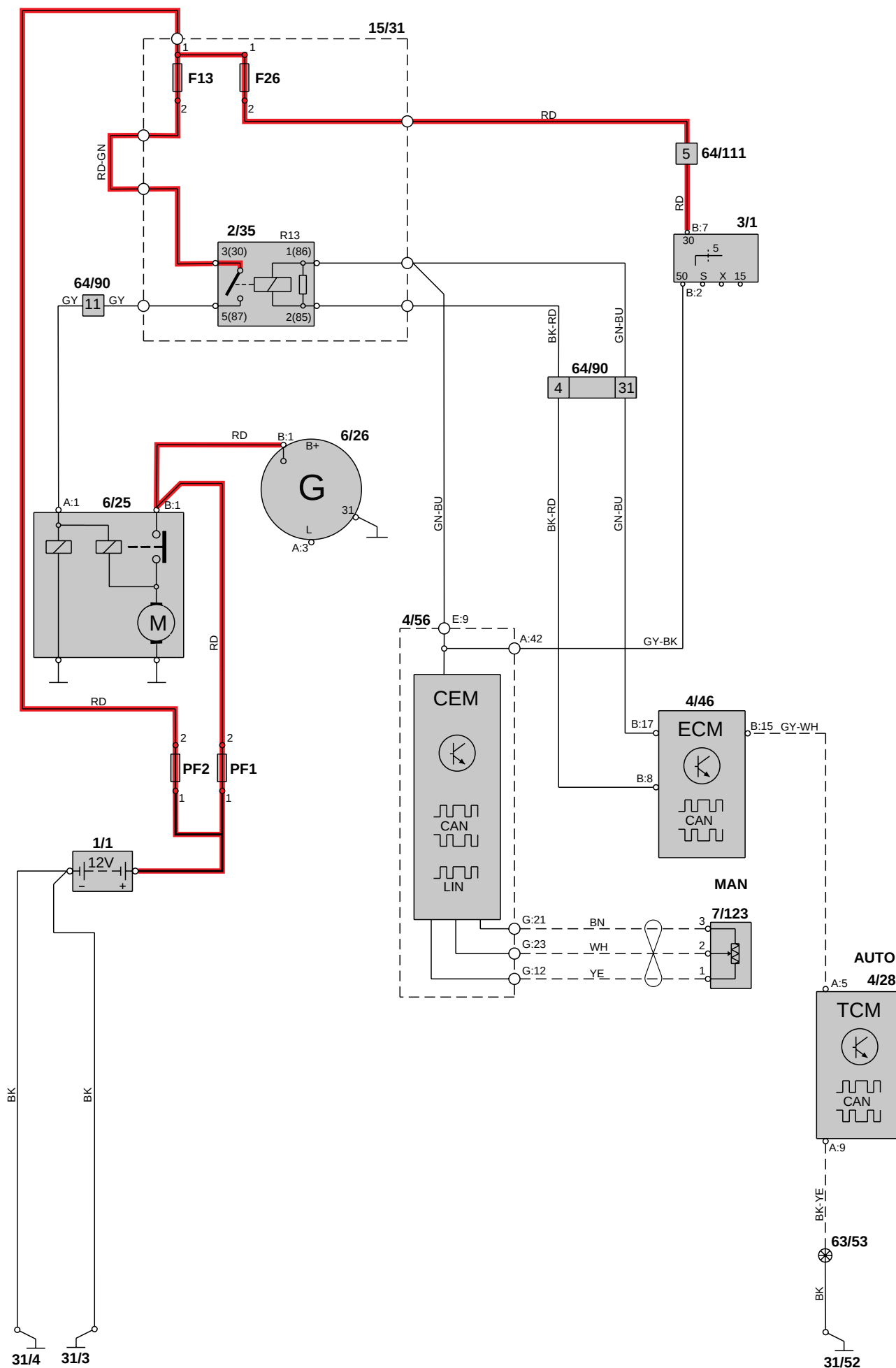
Group 32 Generator and voltage regulator

Power supply, Diesel



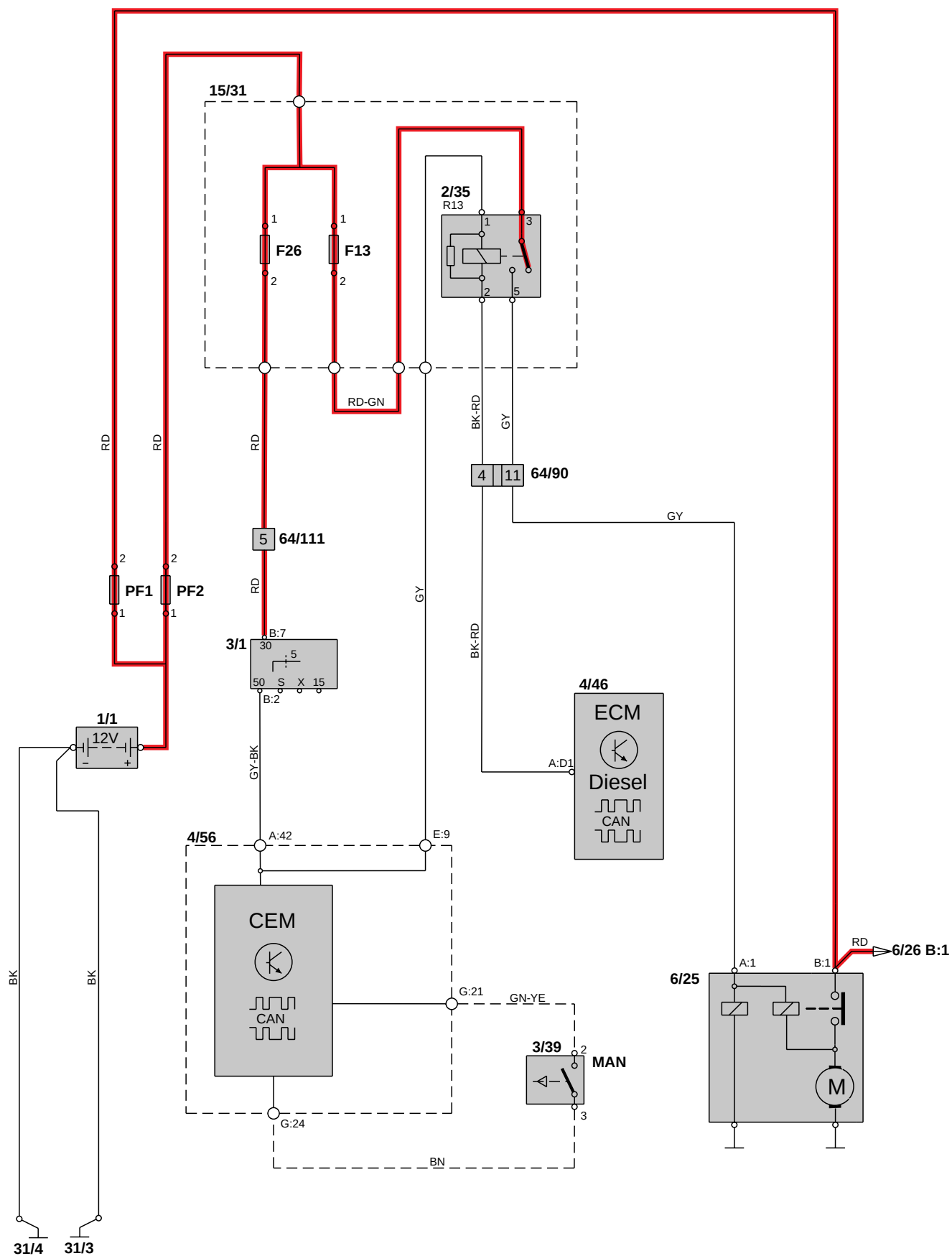
Group 33 Starting system

Starting system

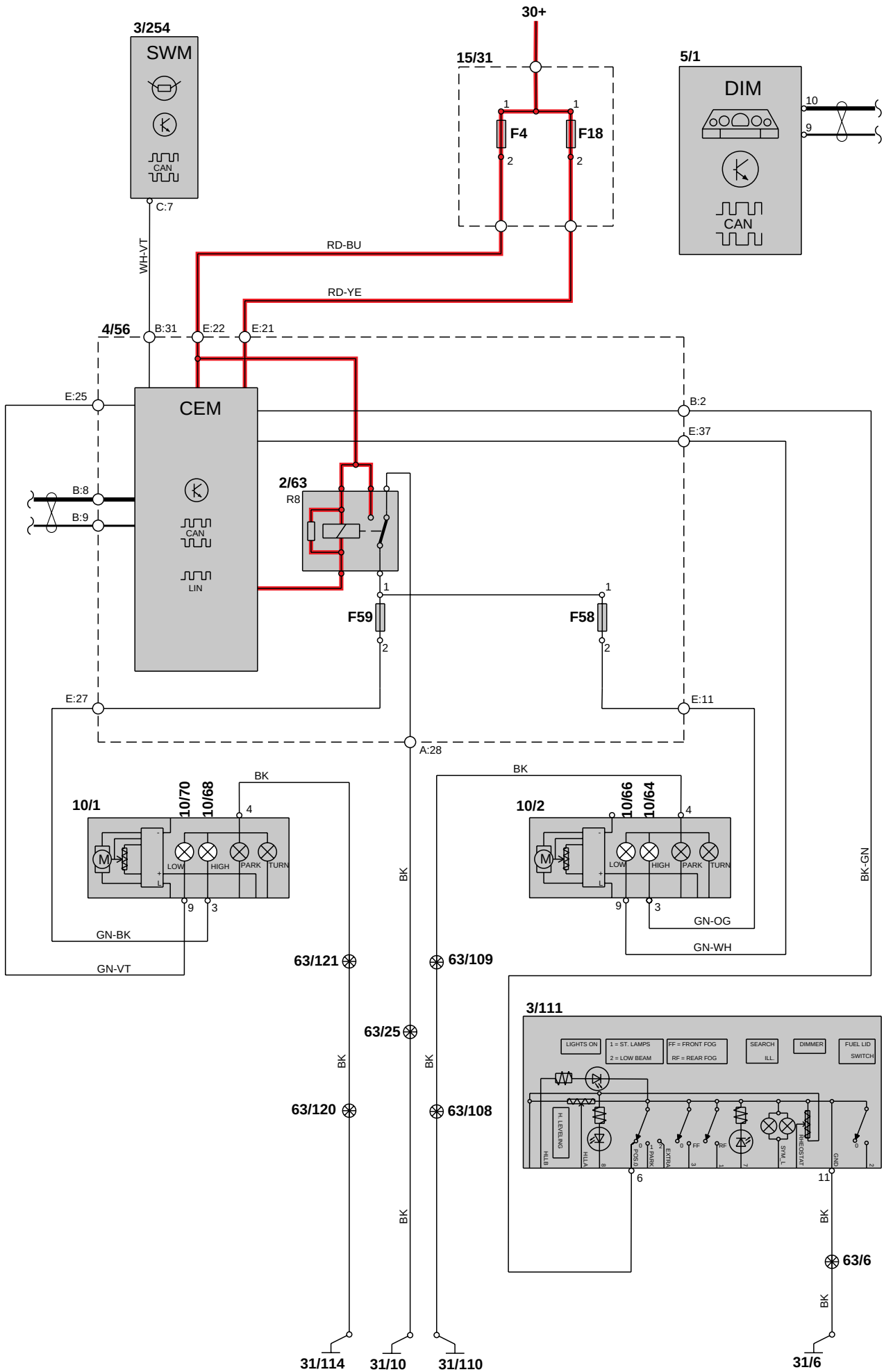


Group 33 Starting system

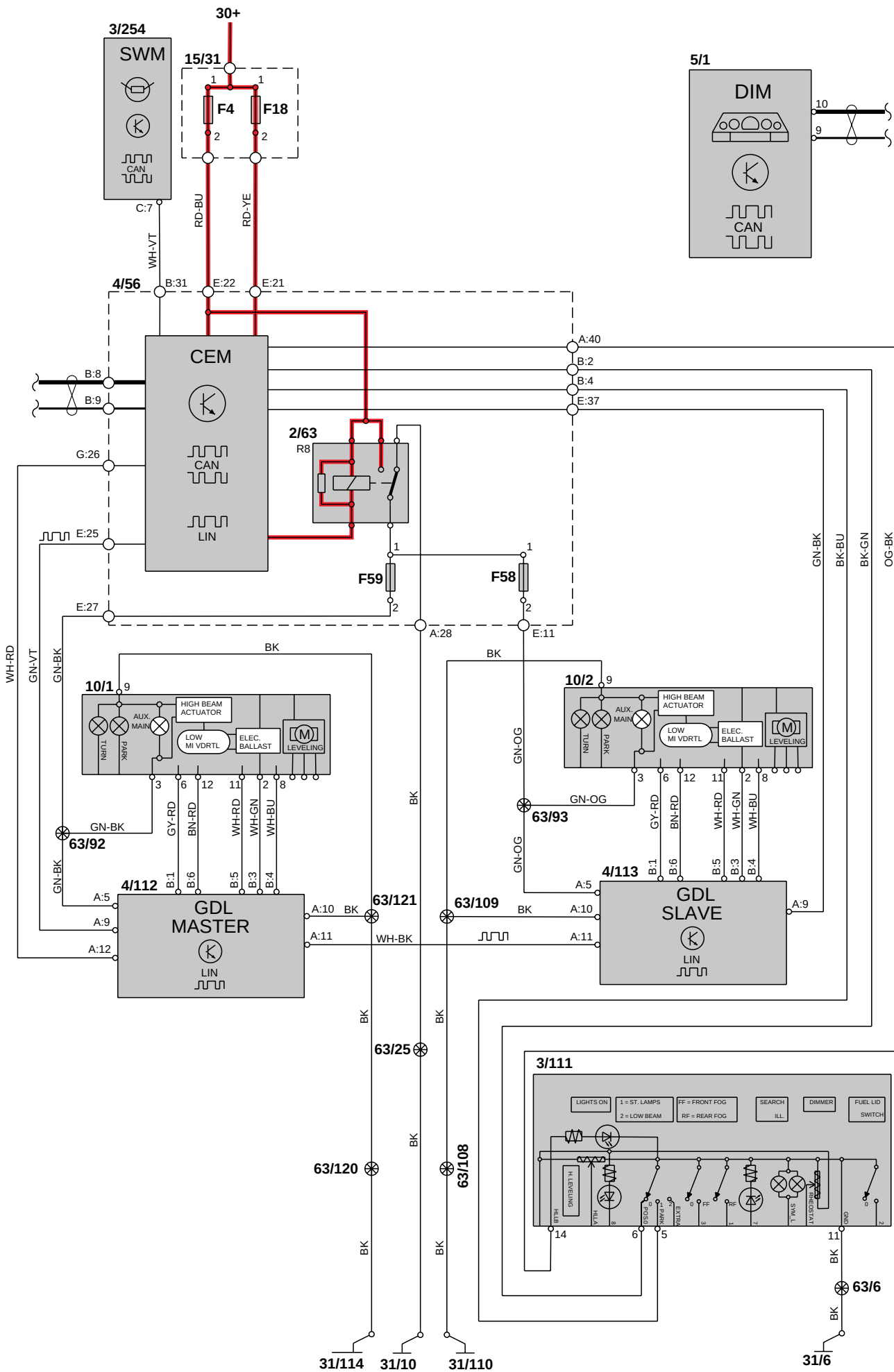
Starting system, Diesel



Group 35 Lighting High and low beam

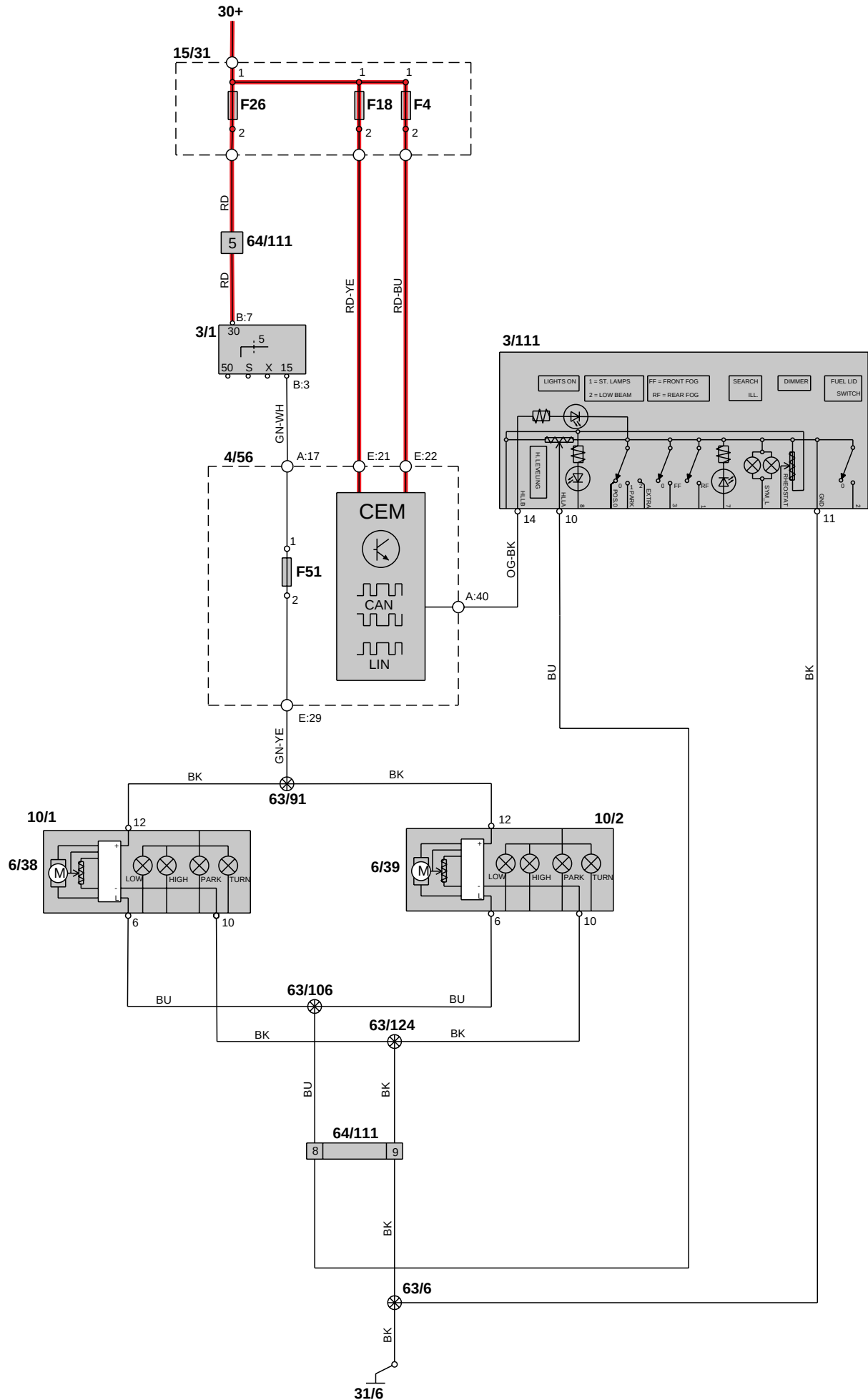


High and low beam (Bi-Xenon)

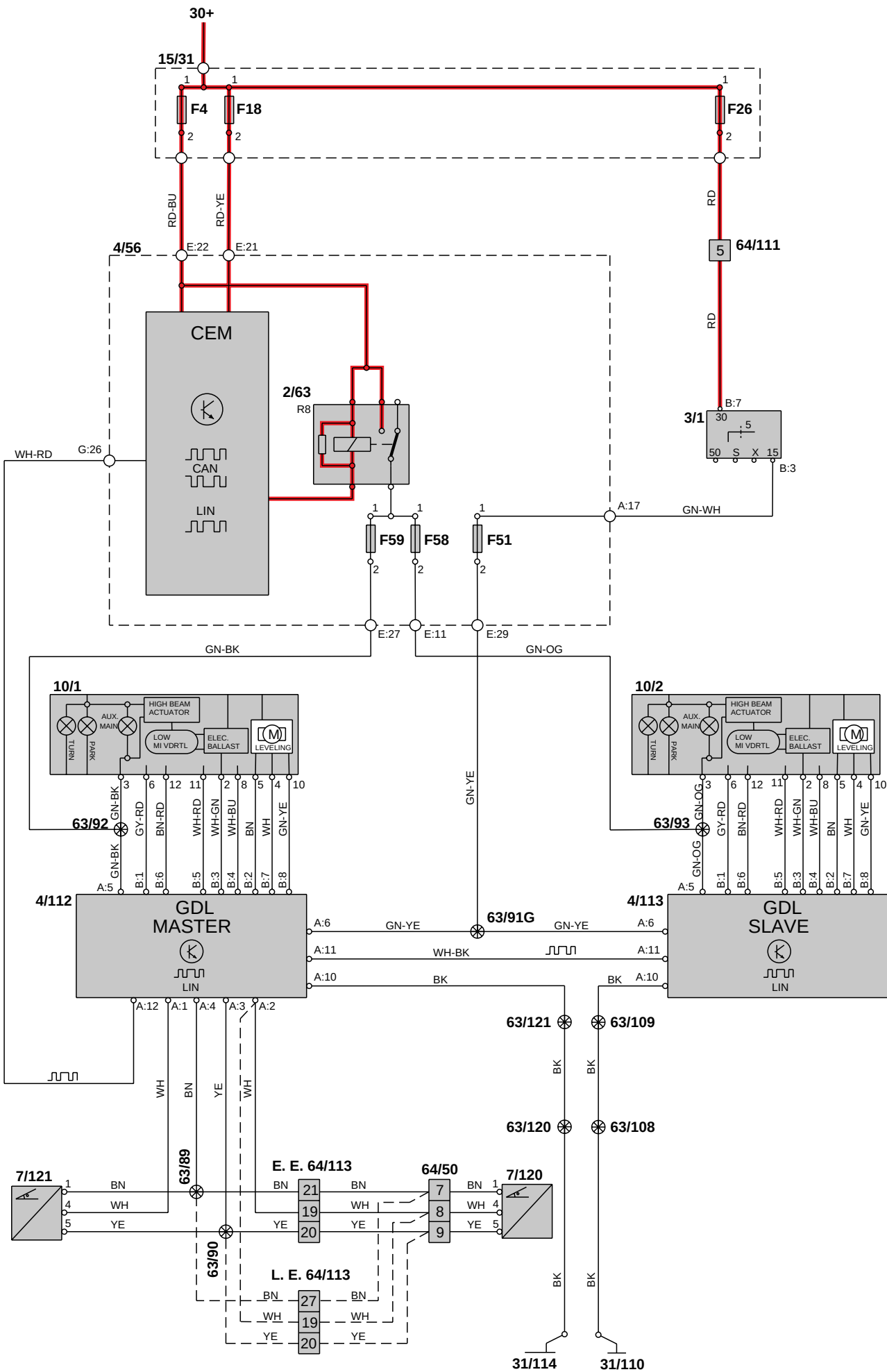


Group 35 Lighting

Manual beam length adjustment

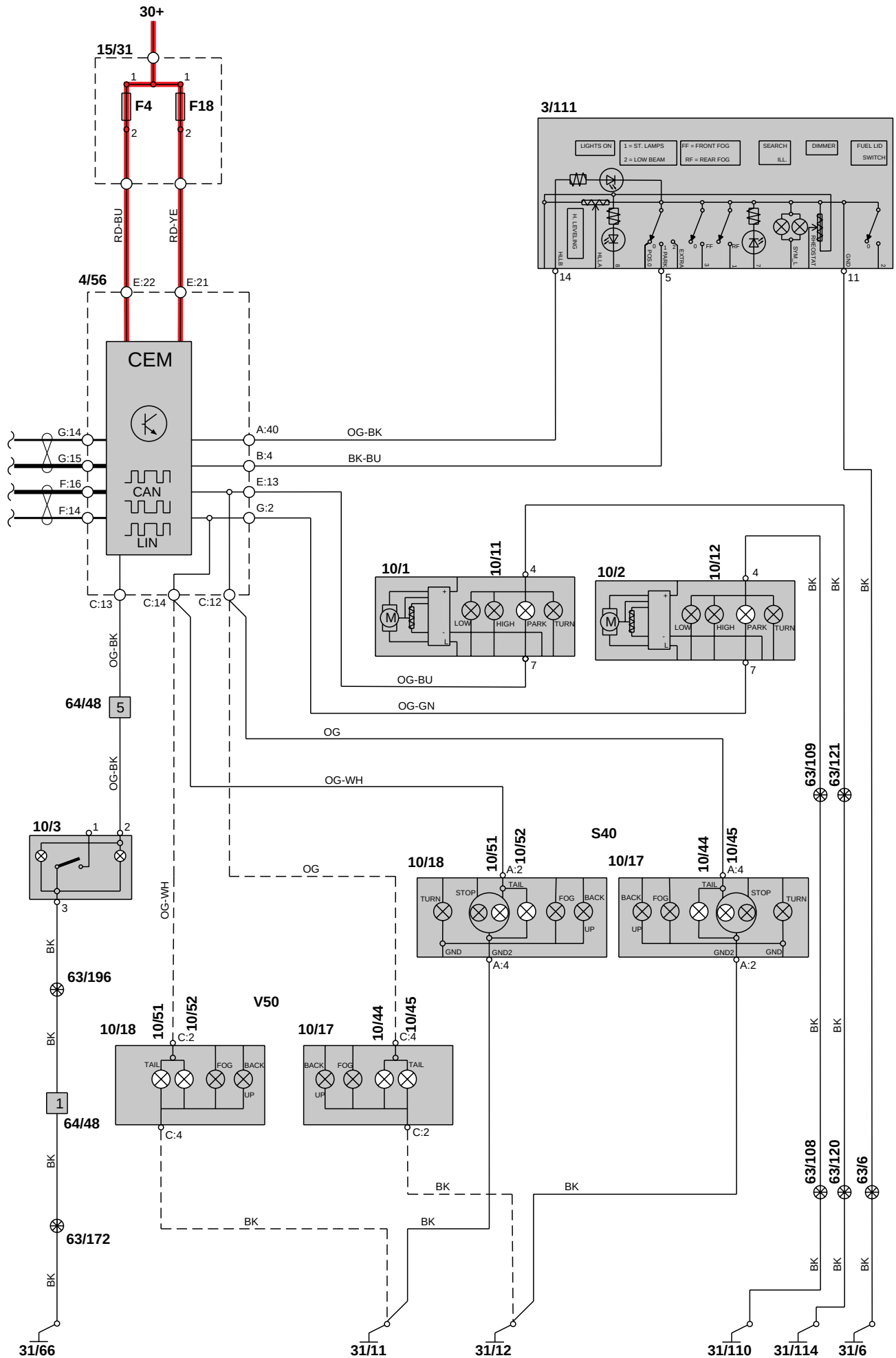


Automatic head light leveling (Bi-Xenon)



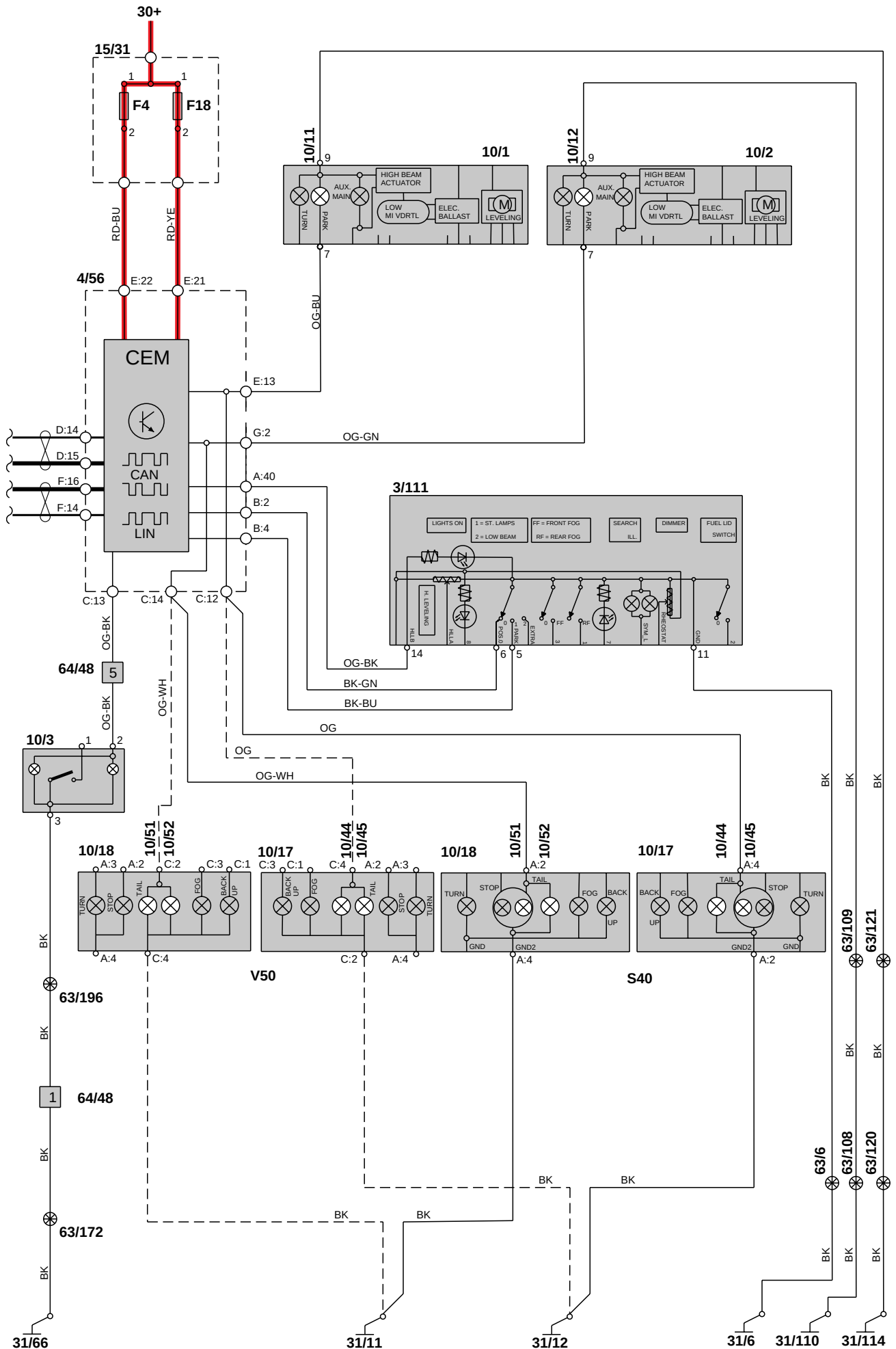
Group 35 Lighting

Position/parking lights, Tail lights



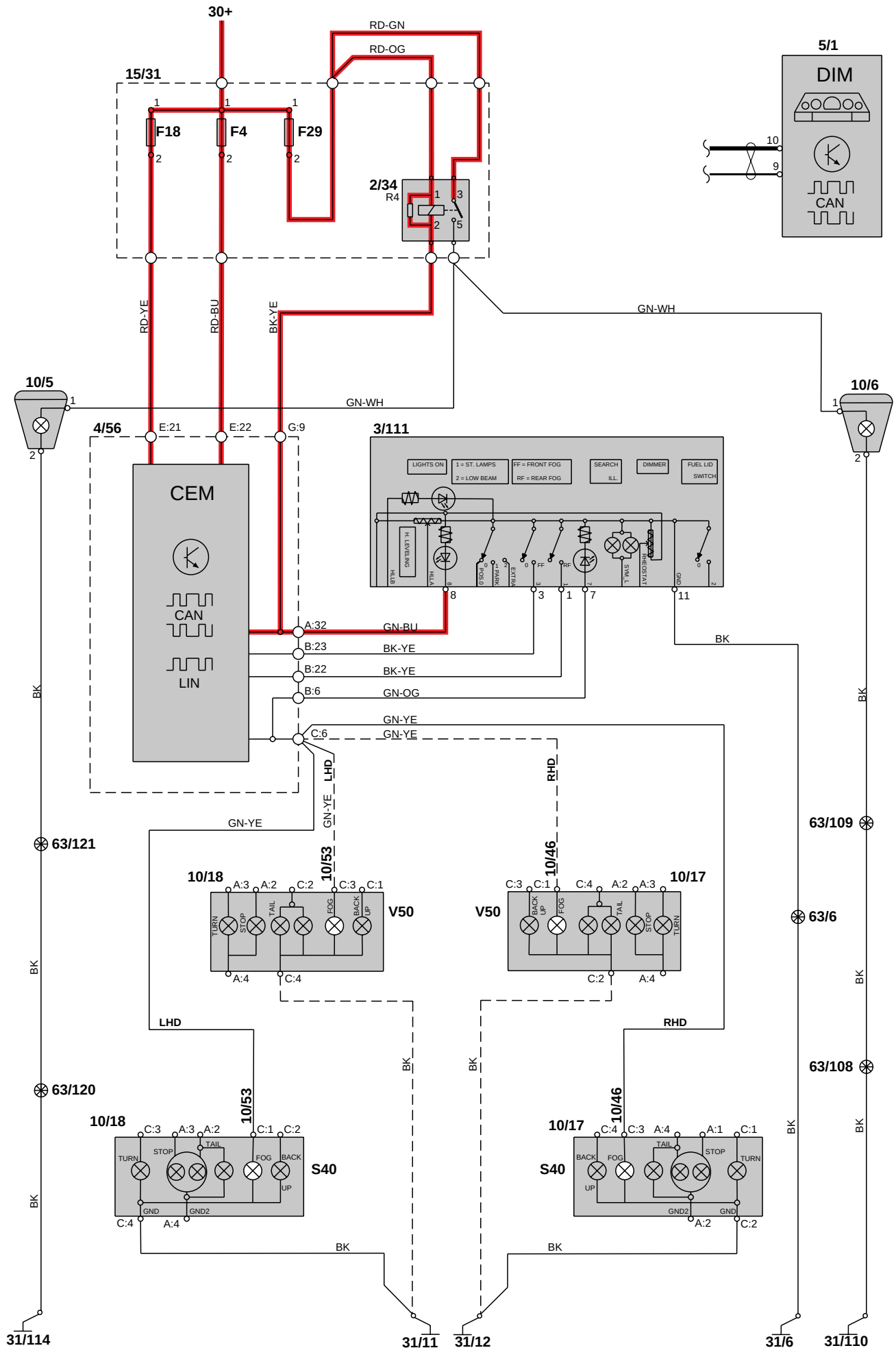
Group 35 Lighting

Position/parking lights, Tail lights (Bi-Xenon)



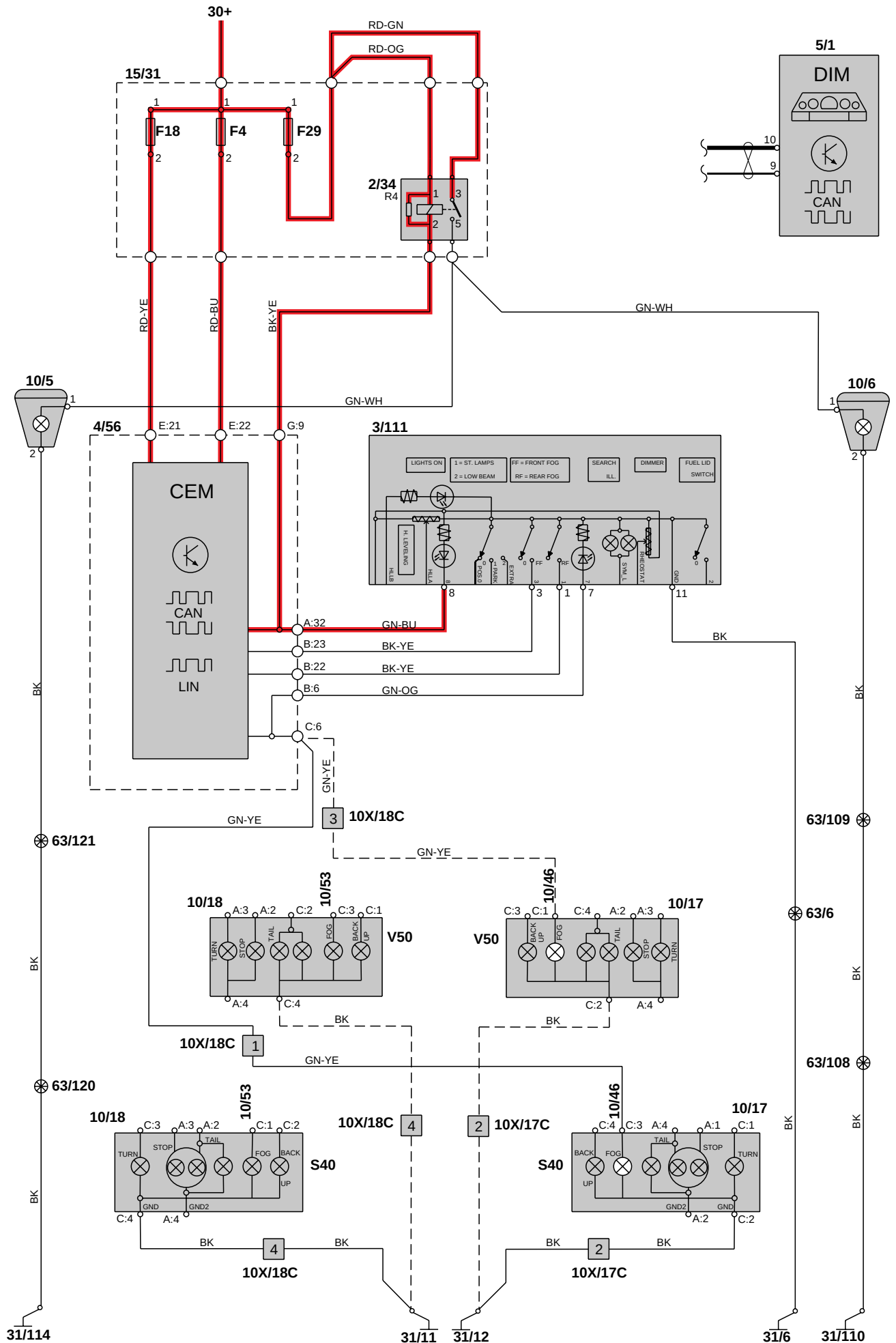
Group 35 Lighting

Fog lights

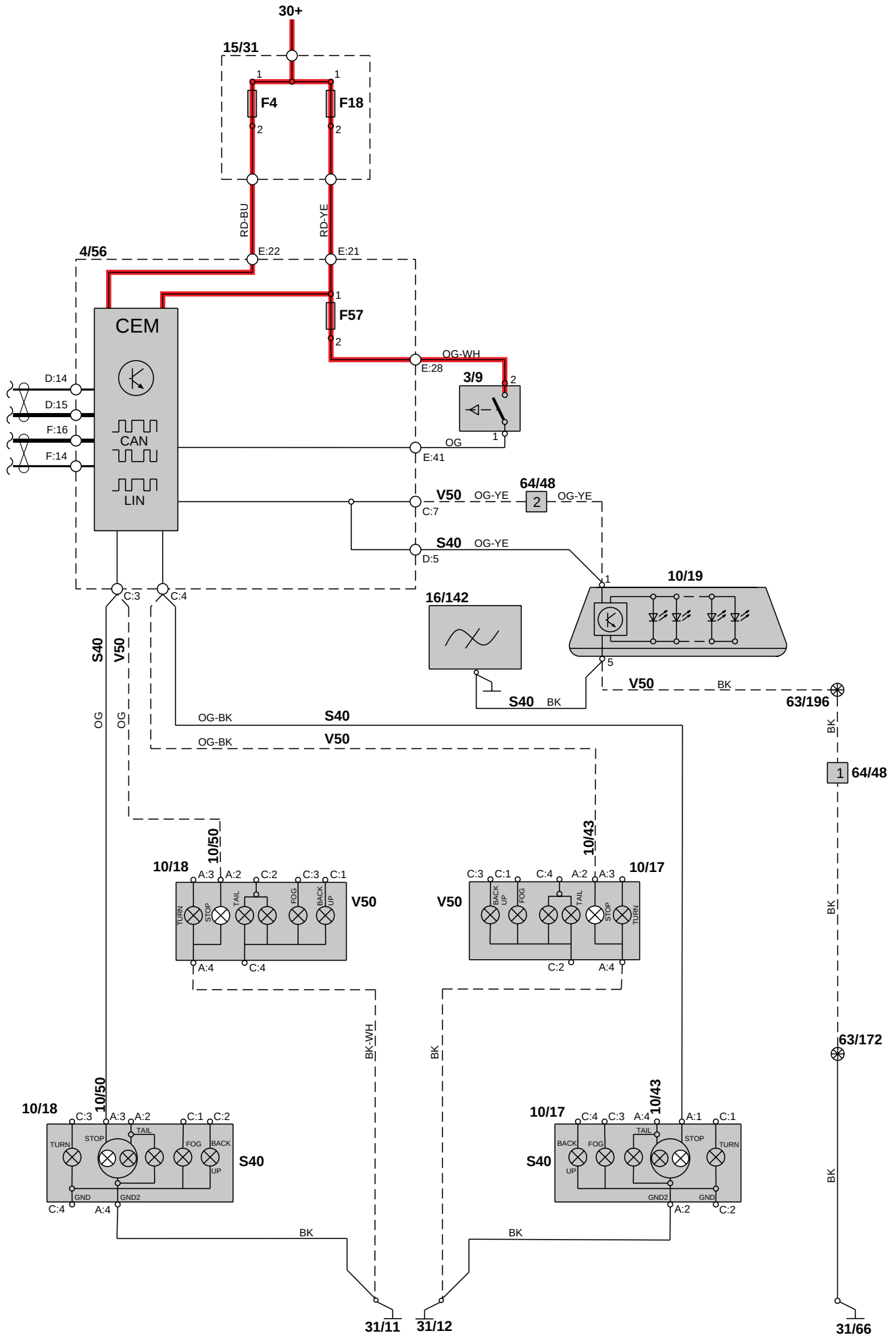


Group 35 Lighting

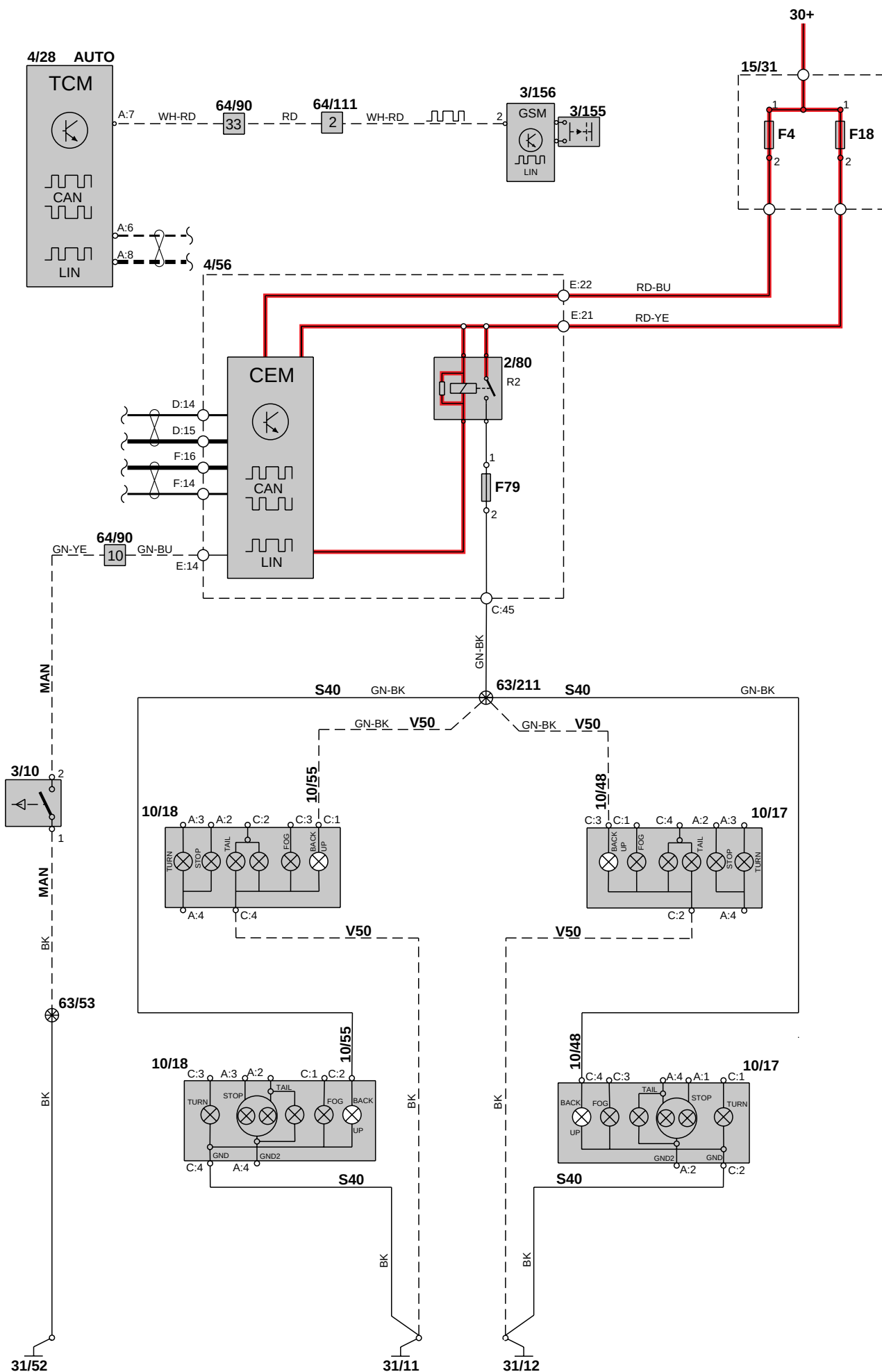
Fog lights LHD, Japan



Group 35 Lighting Brake lights

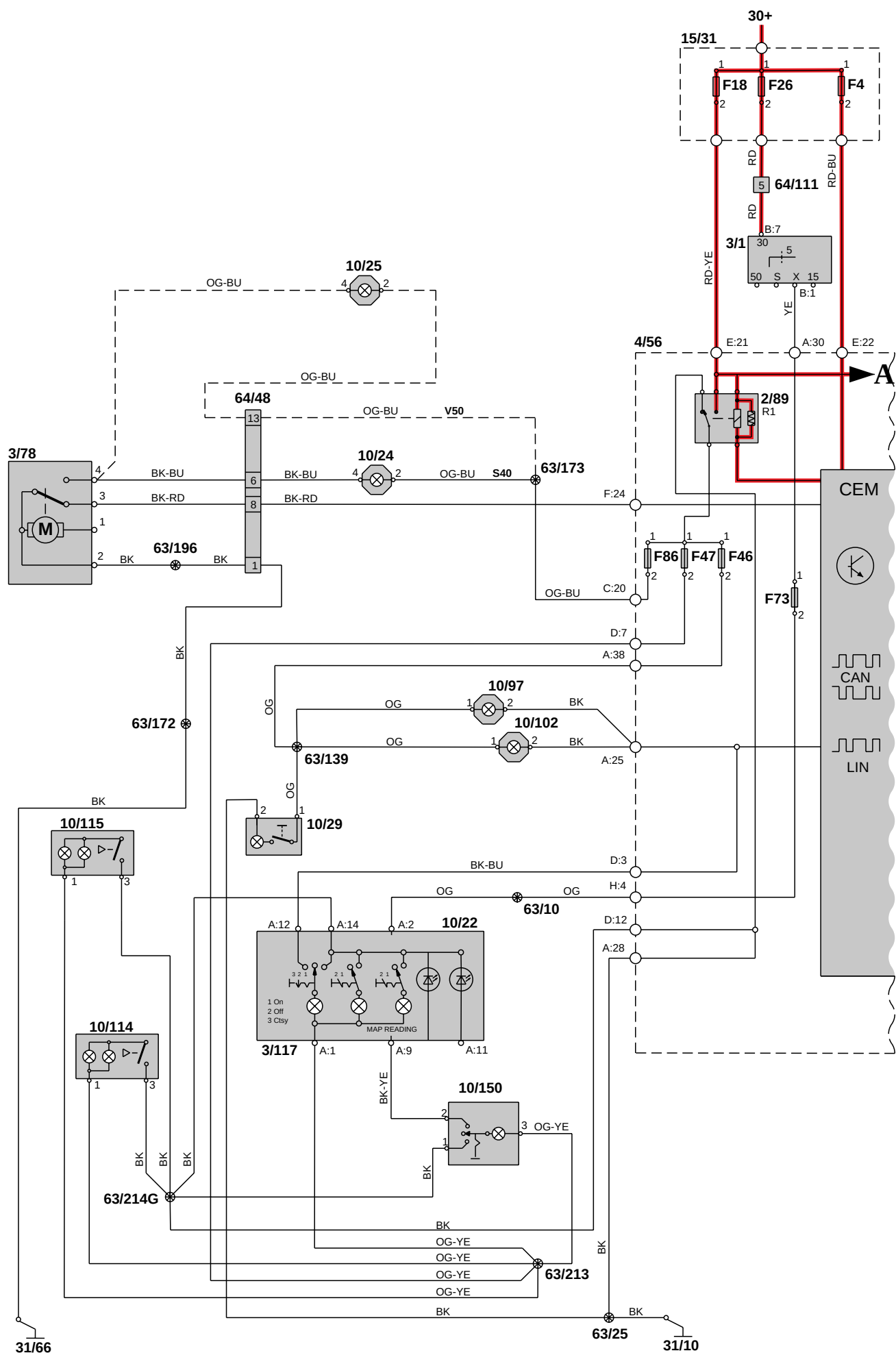


Group 35 Lighting Reversing lights



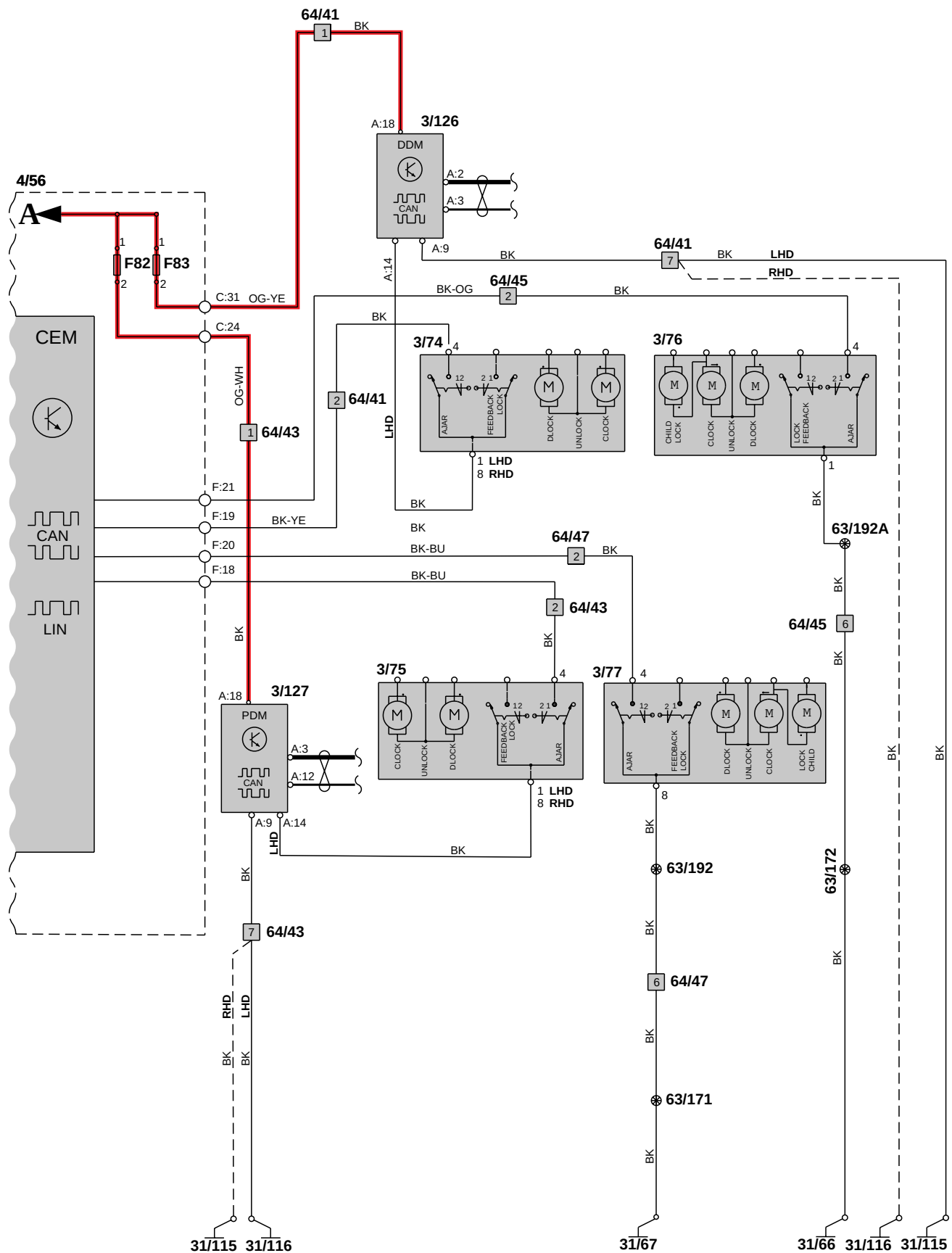
Group 35 Lighting

Interior lighting 1:2



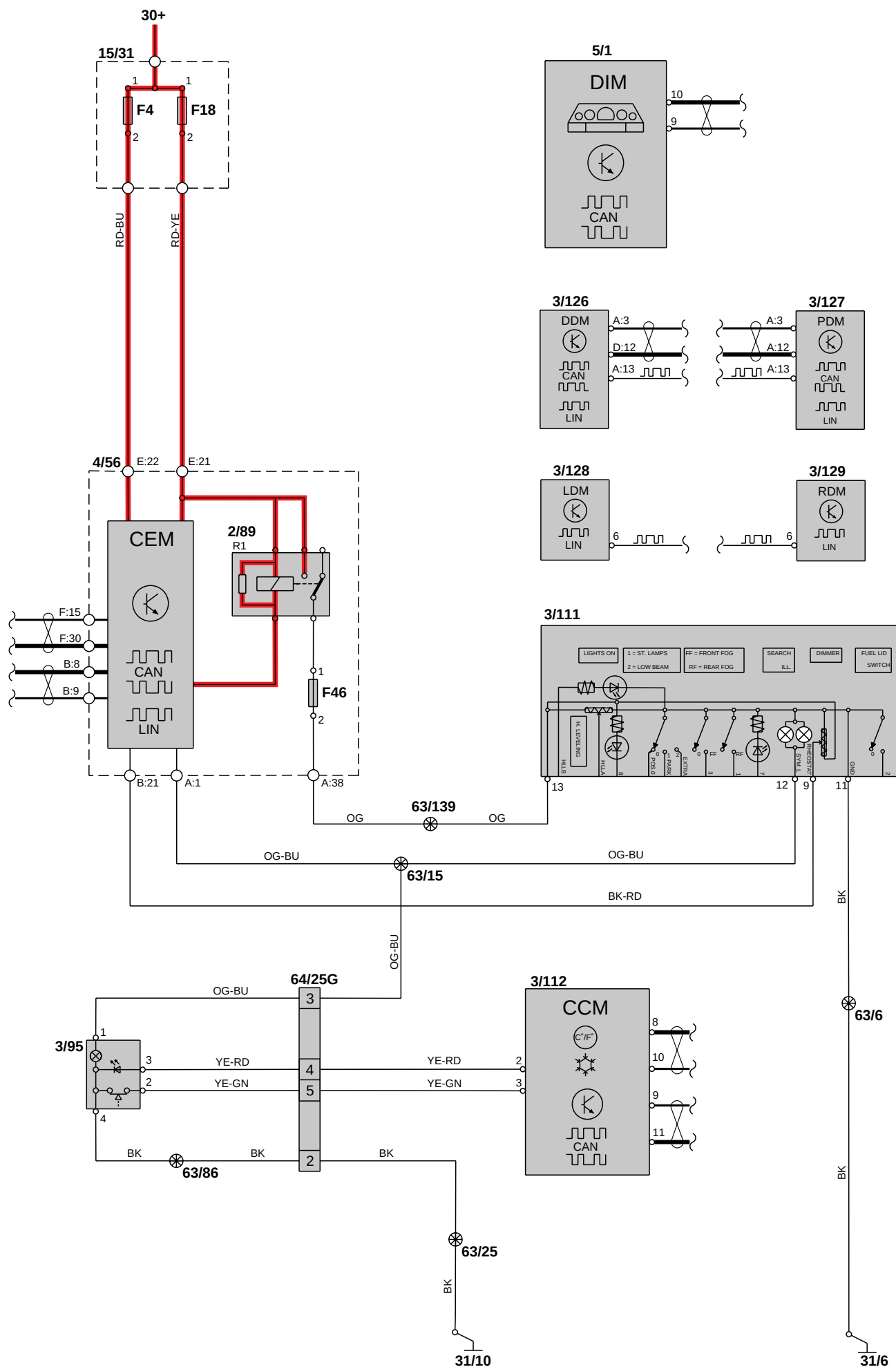
Group 35 Lighting

Interior lighting 2:2



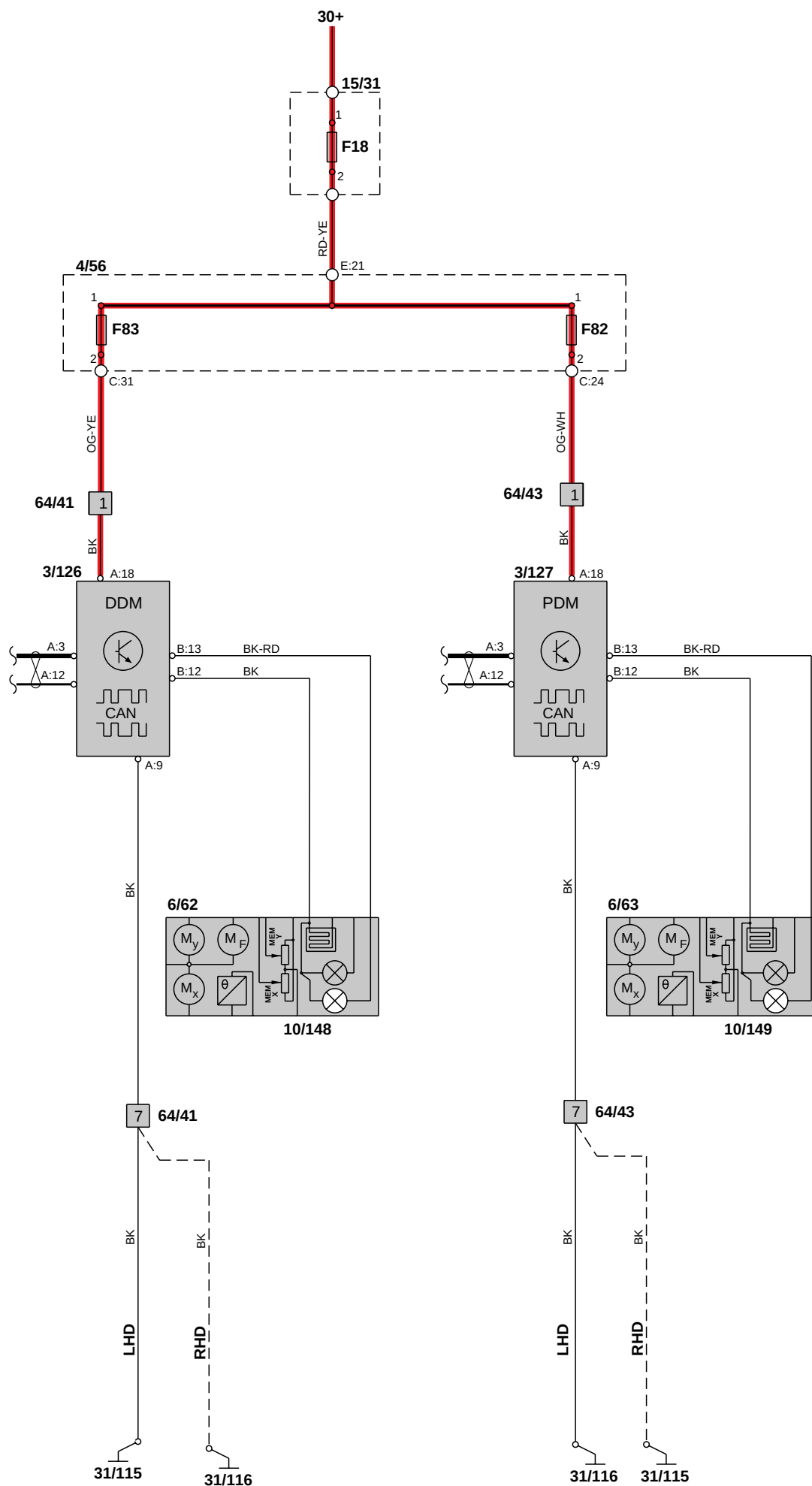
Group 35 Lighting

Instrument and control illumination



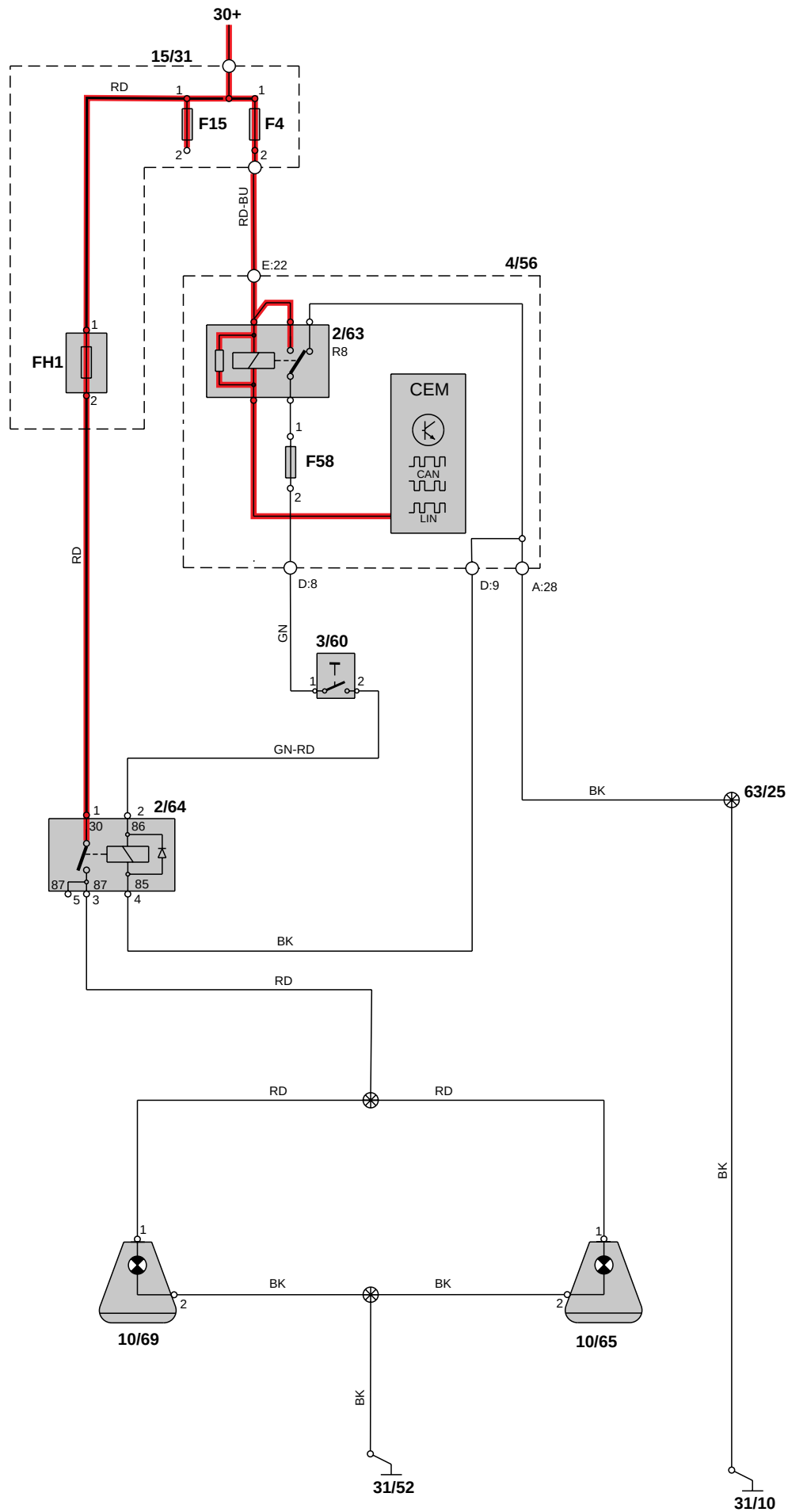
Group 35 Lighting

Follow-me-home lighting



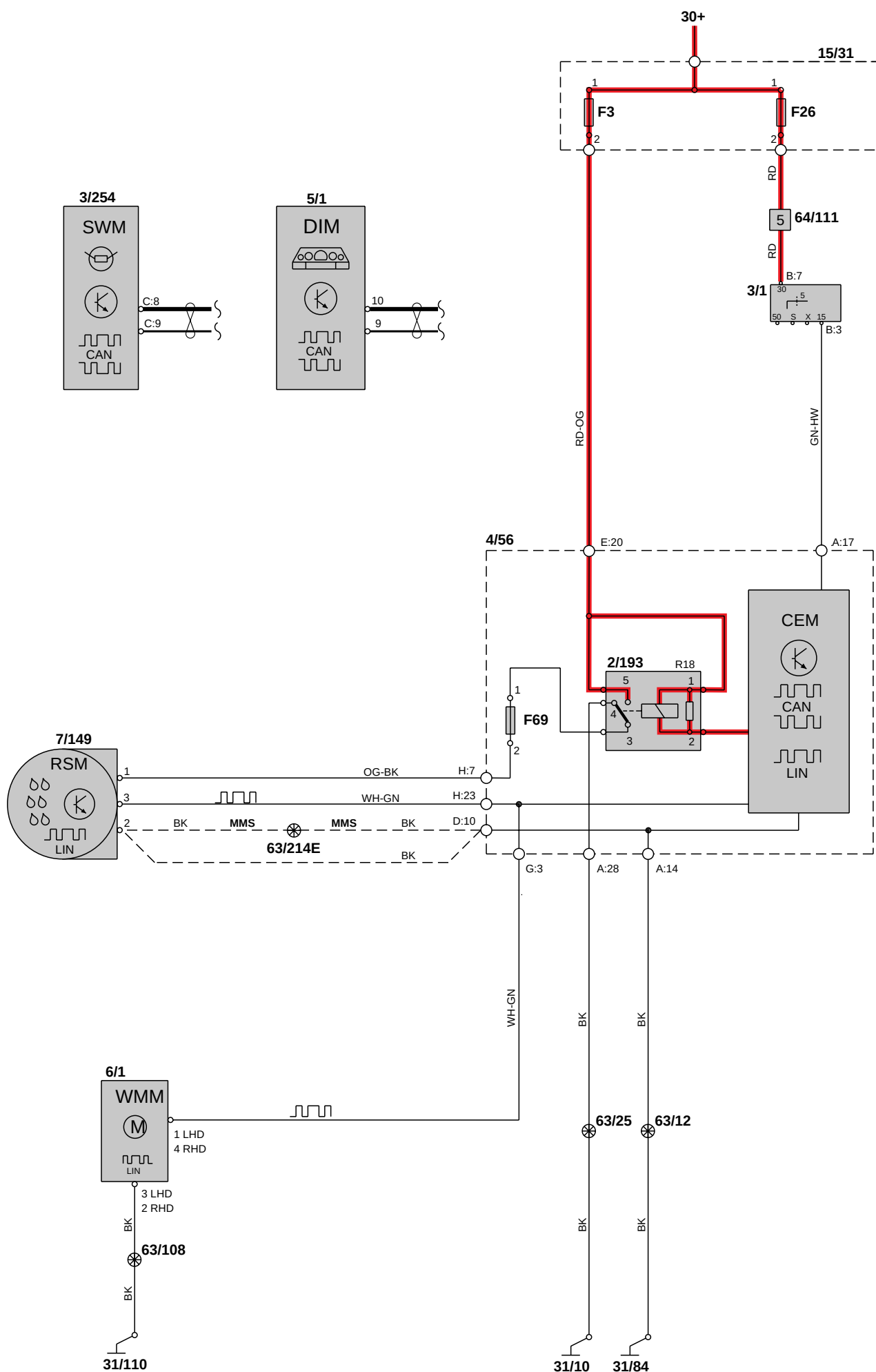
Group 35 Lighting, Accessories

Auxiliary light



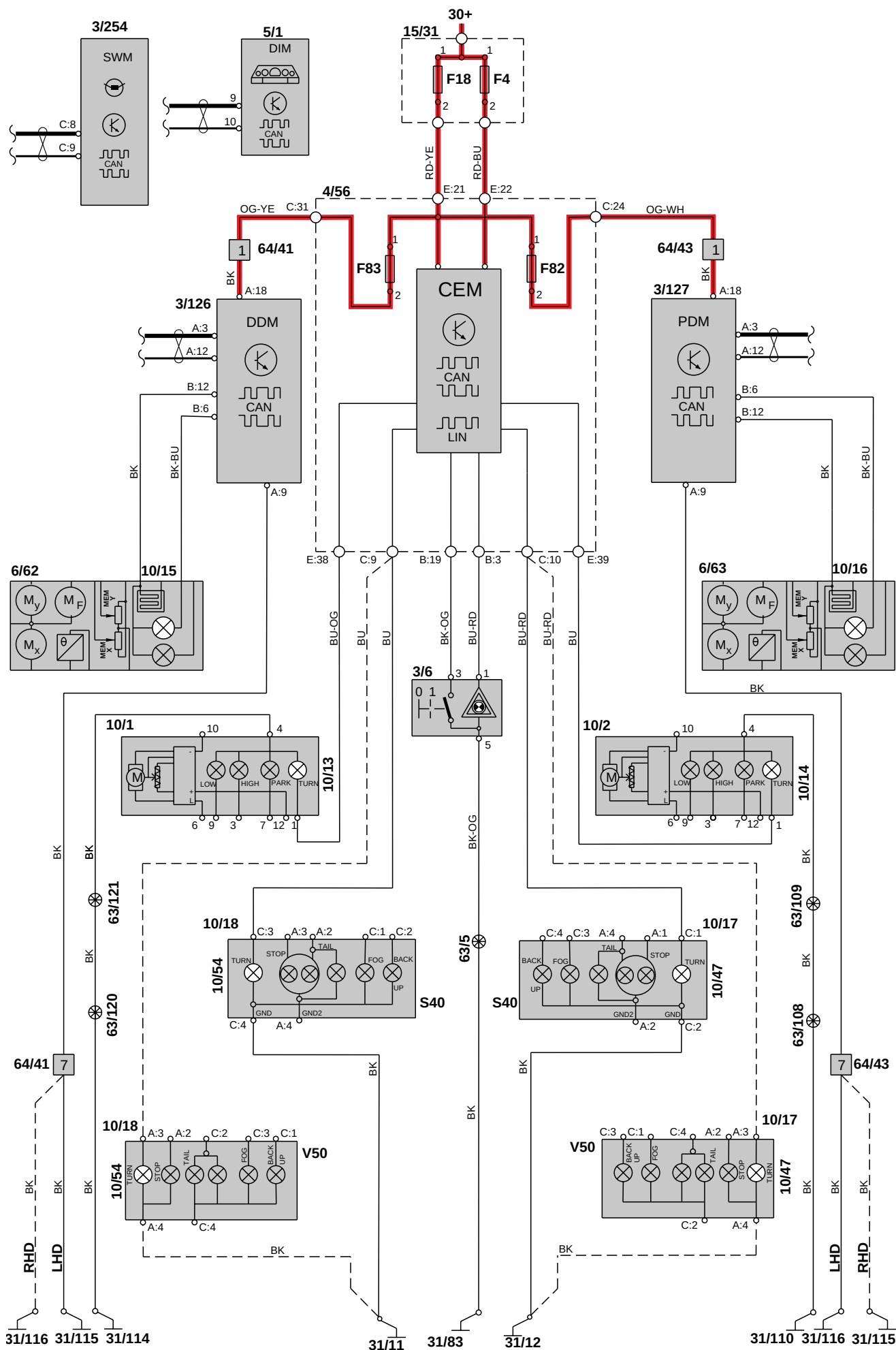
Group 36 Additional electrical equipment

Rain Sensor

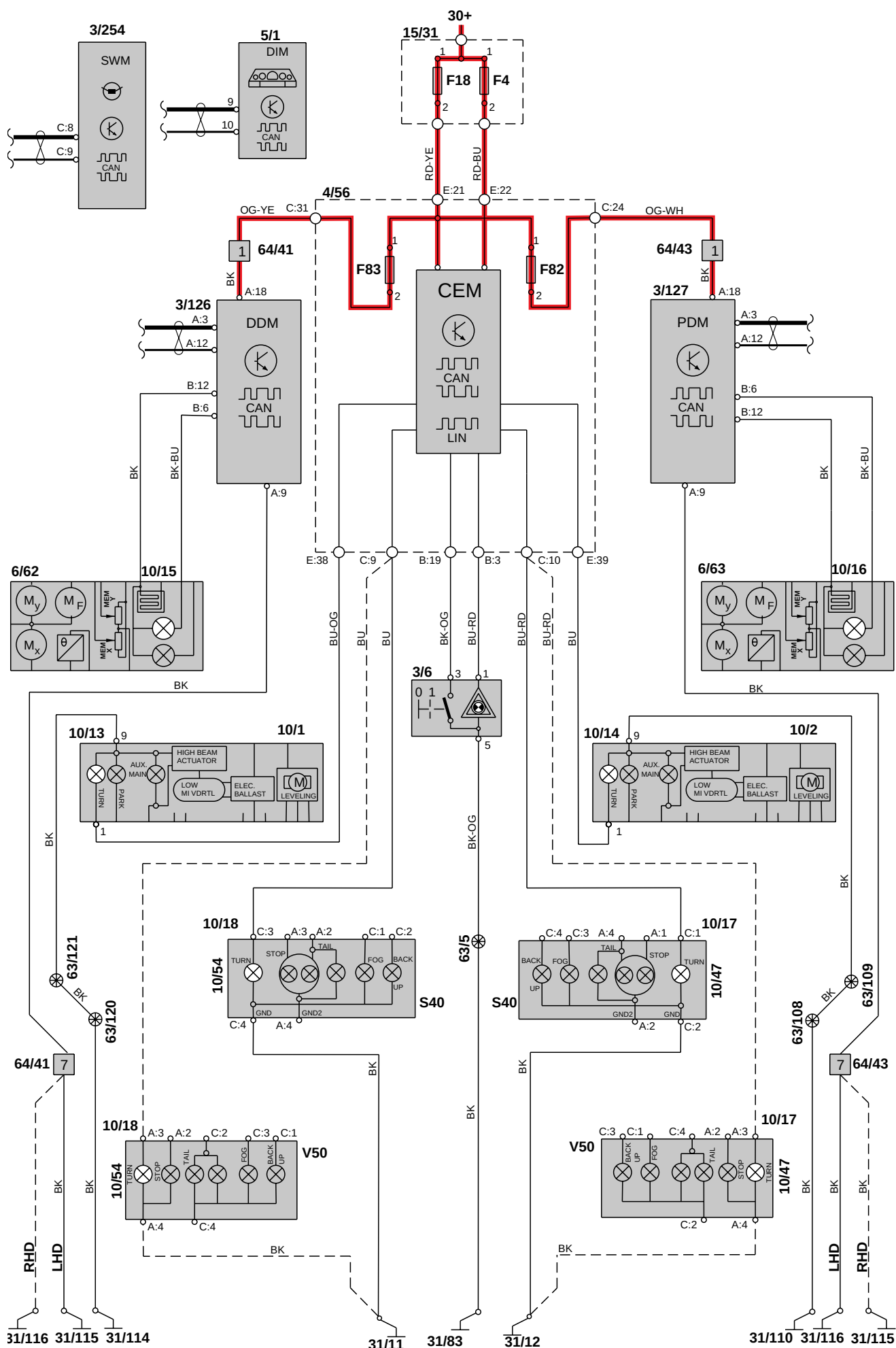


Group 36 Additional electrical equipment

Direction indicators and warning lights

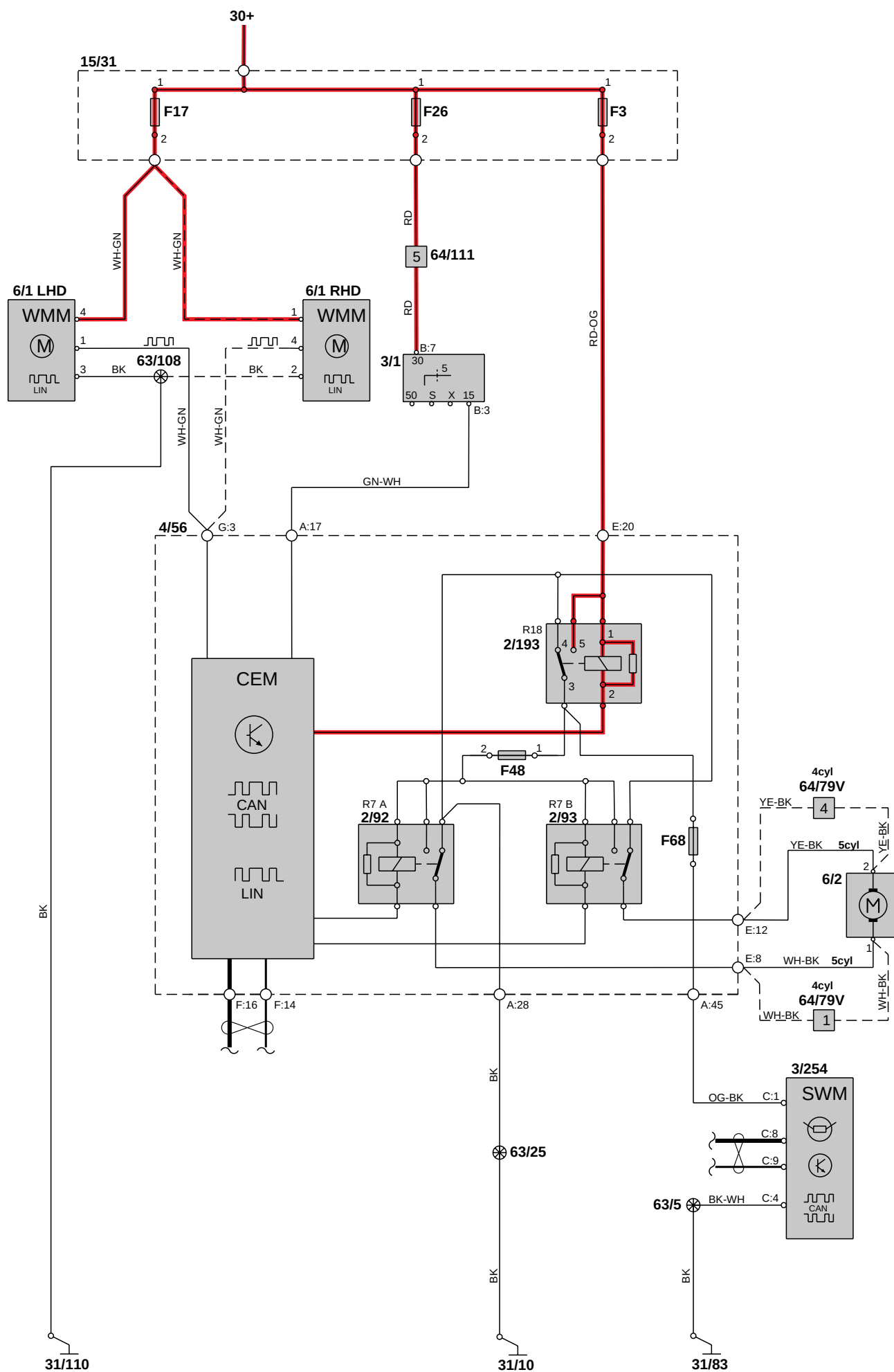


Group 36 Additional electrical equipment
Direction indicators and warning lights (Bi-Xenon)



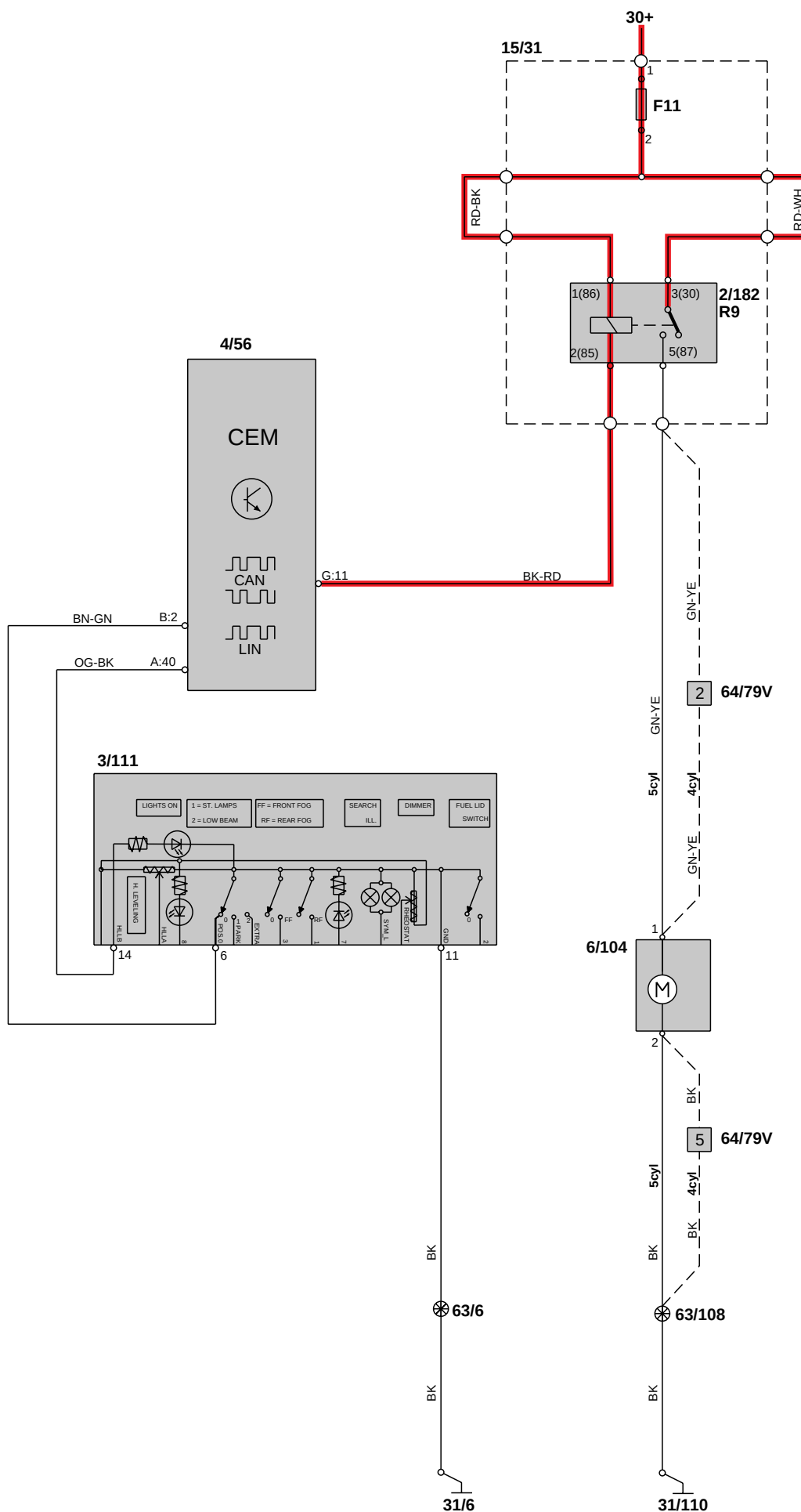
Group 36 Additional electrical equipment

Windshield wiper/washer



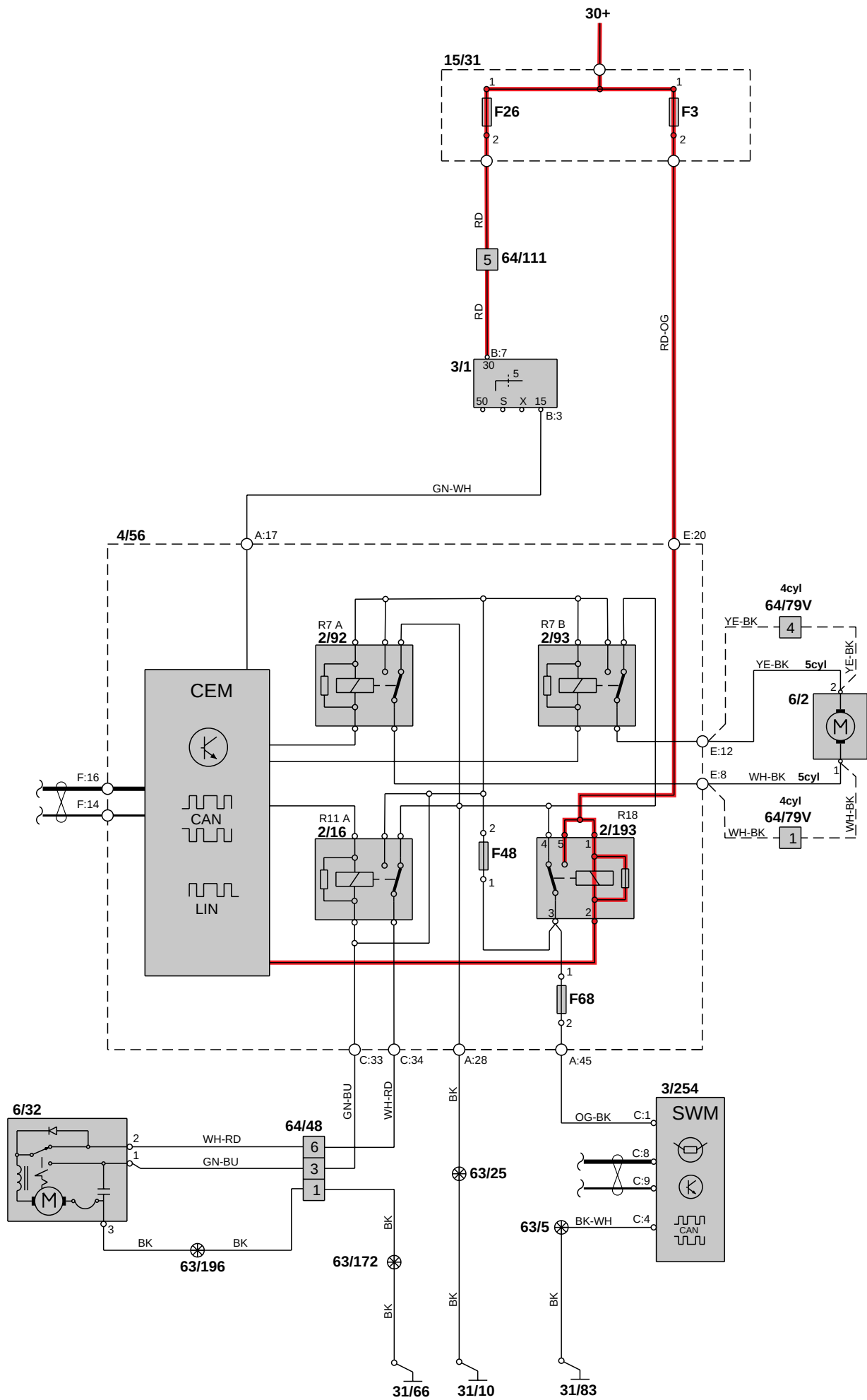
Group 36 Additional electrical equipment

Headlight washer

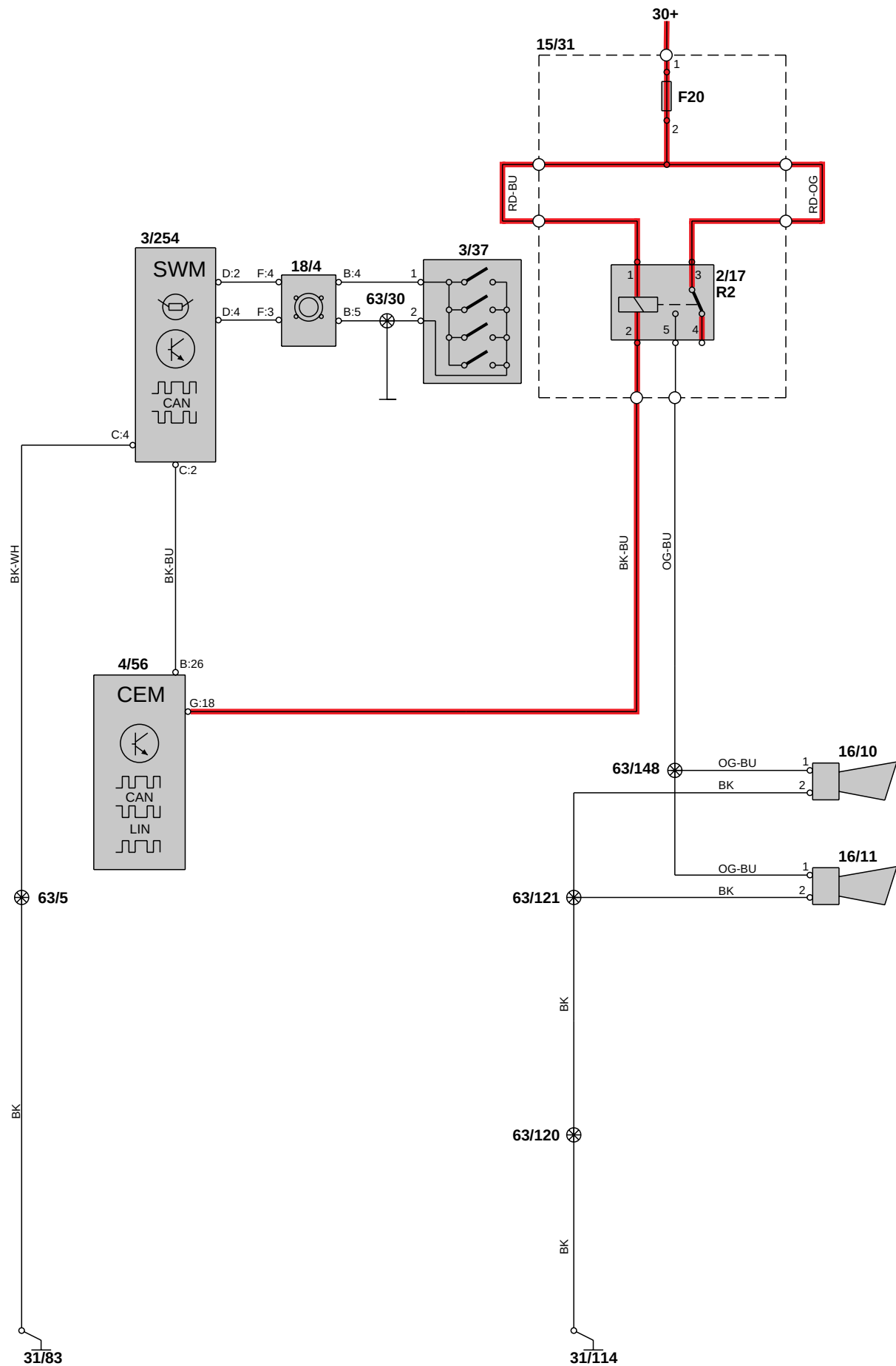


Group 36 Additional electrical equipment

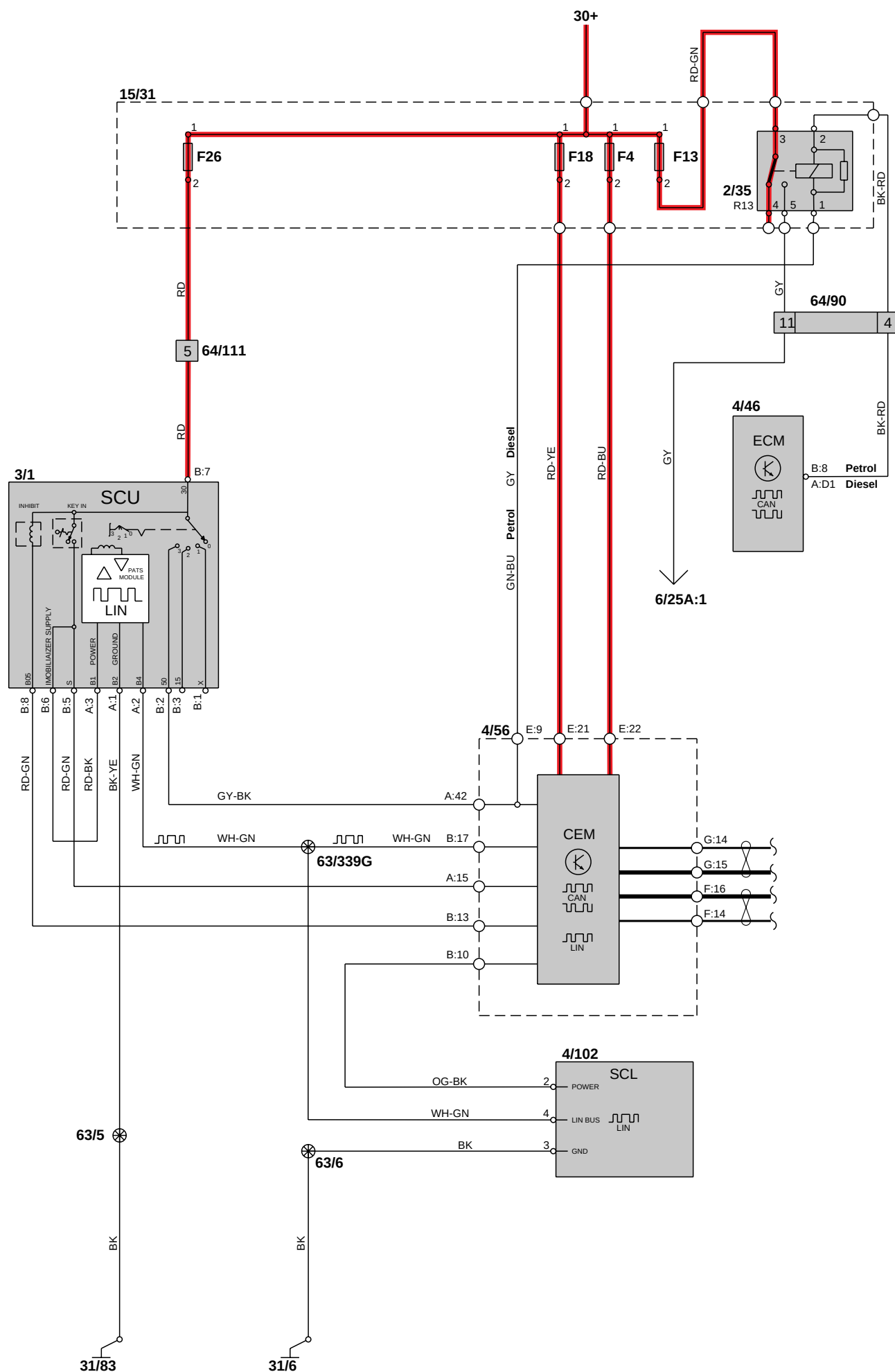
Wiper/washer, rear window



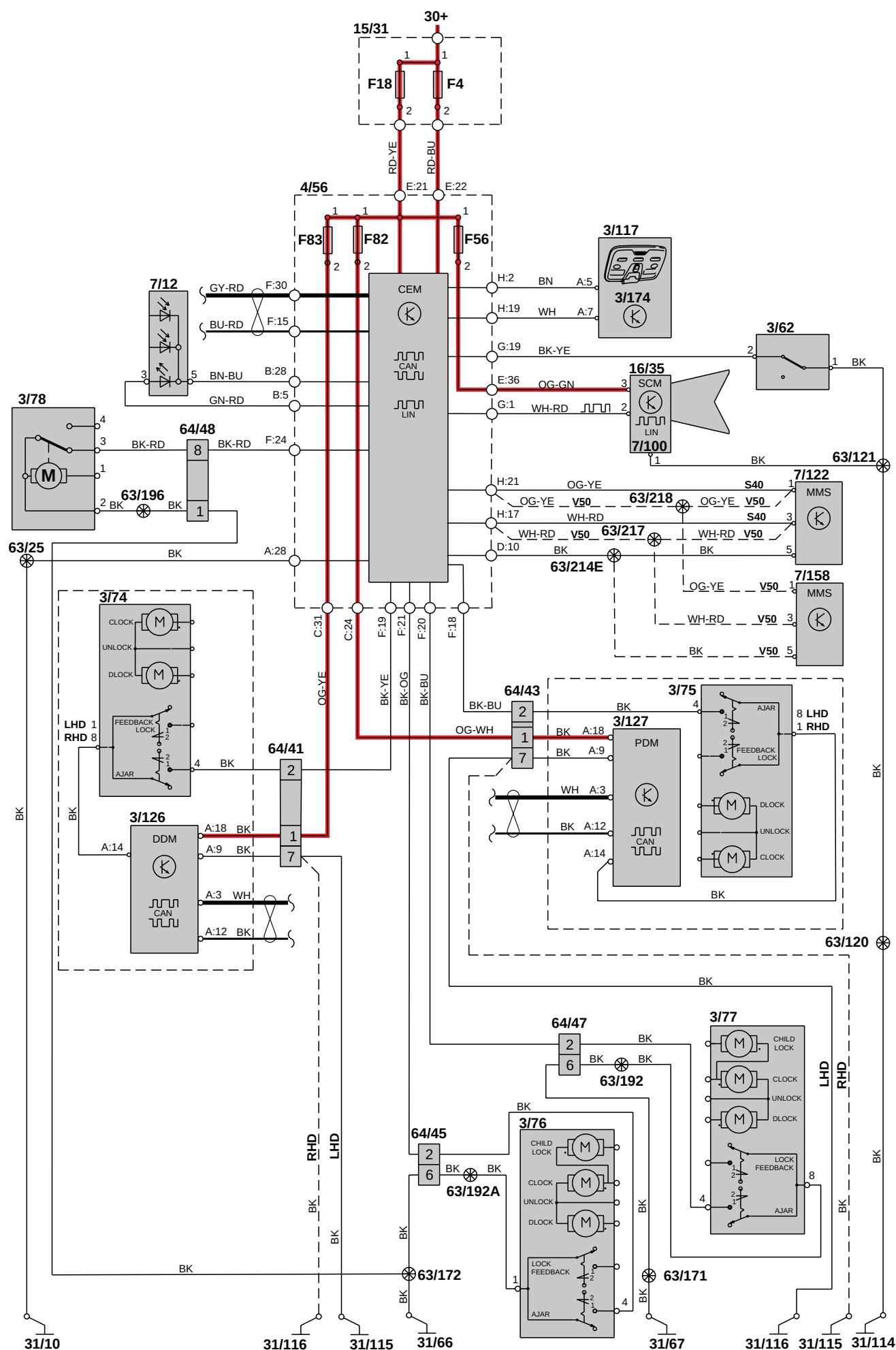
Group 36 Additional electrical equipment



Electronic immobilizer / Steering Column Lock Module (SCL)

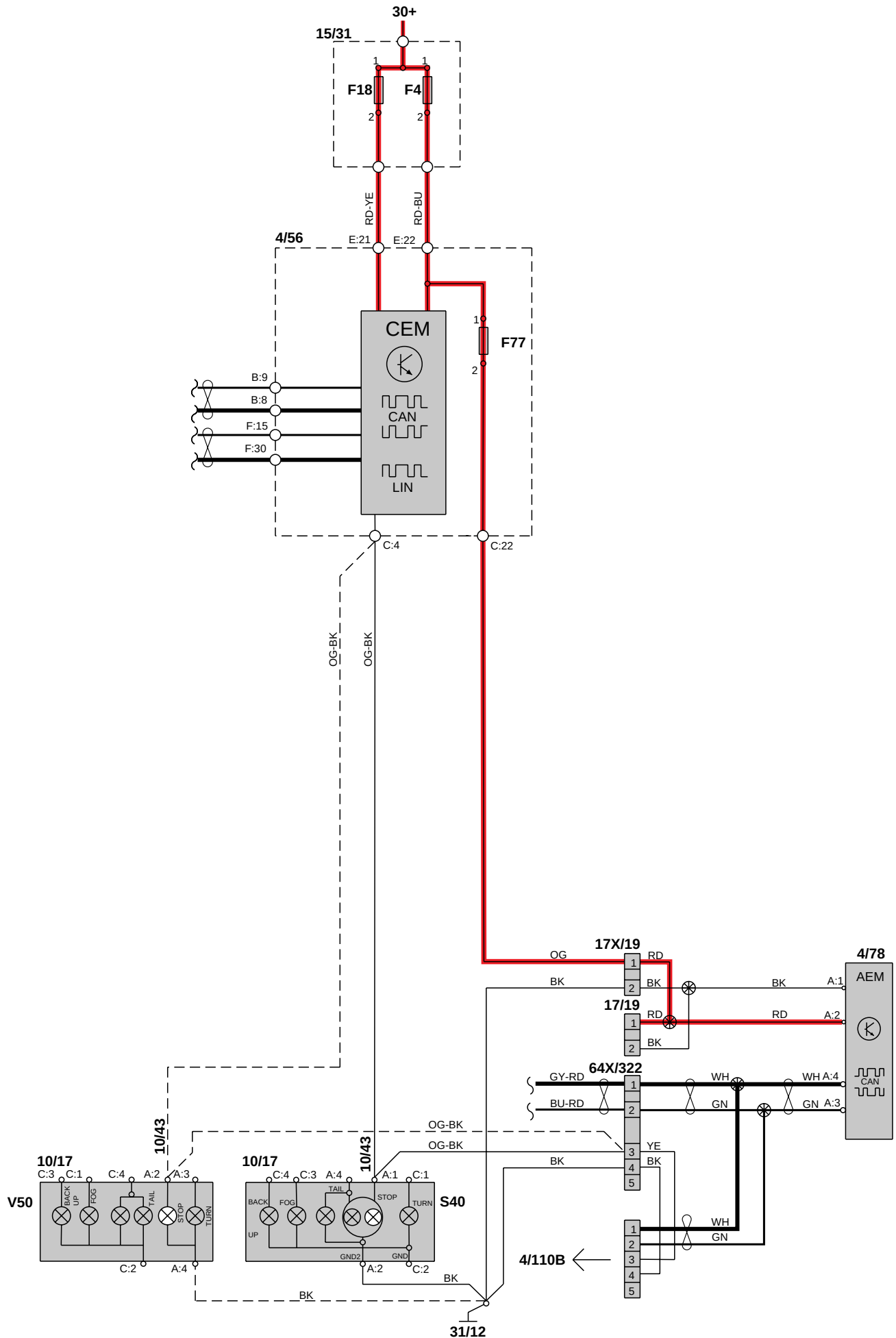


Group 36 Additional electrical equipment, Accessories
Anti-theft alarm



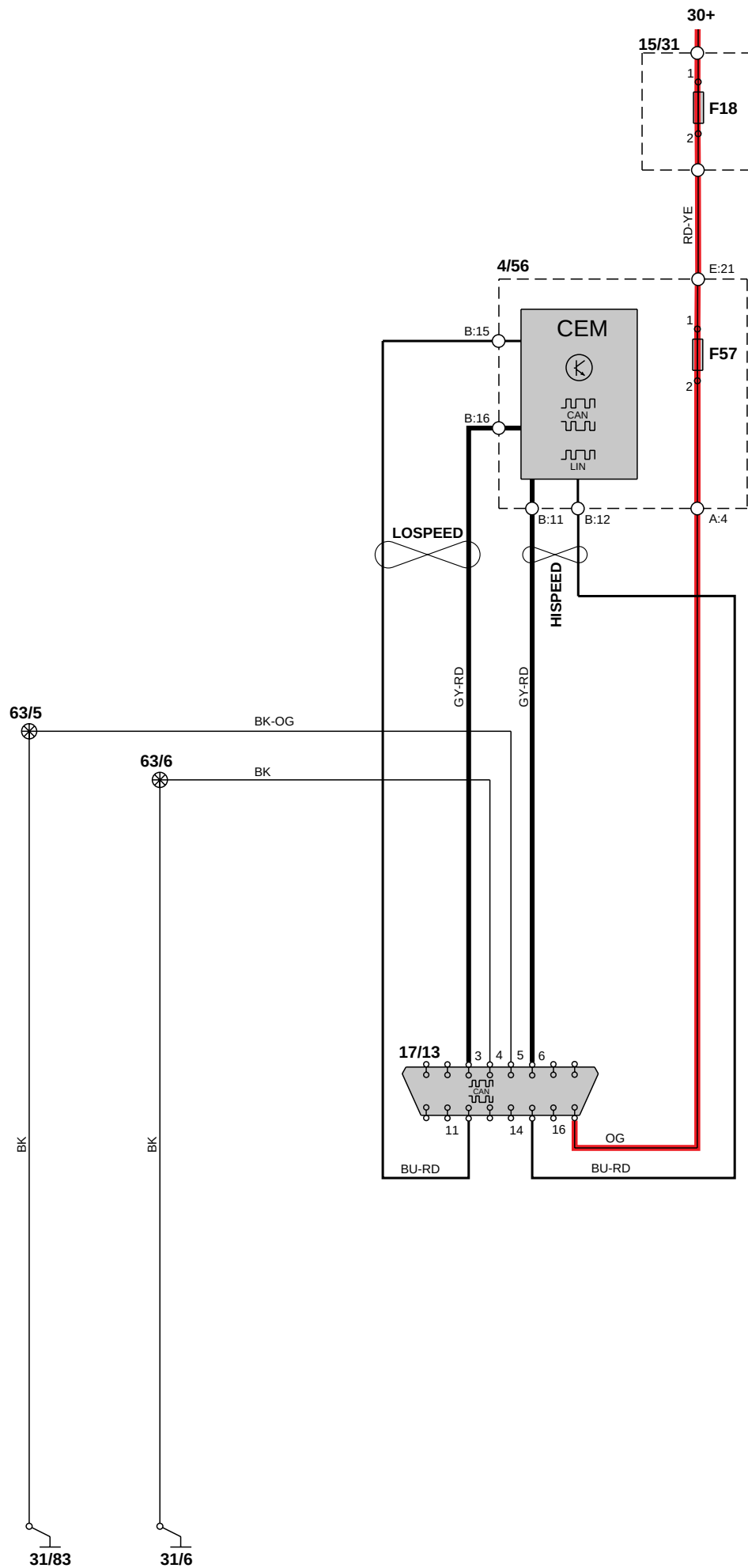
Group 36 Additional electrical equipment, accessories

Accessory Electronic Module (AEM)

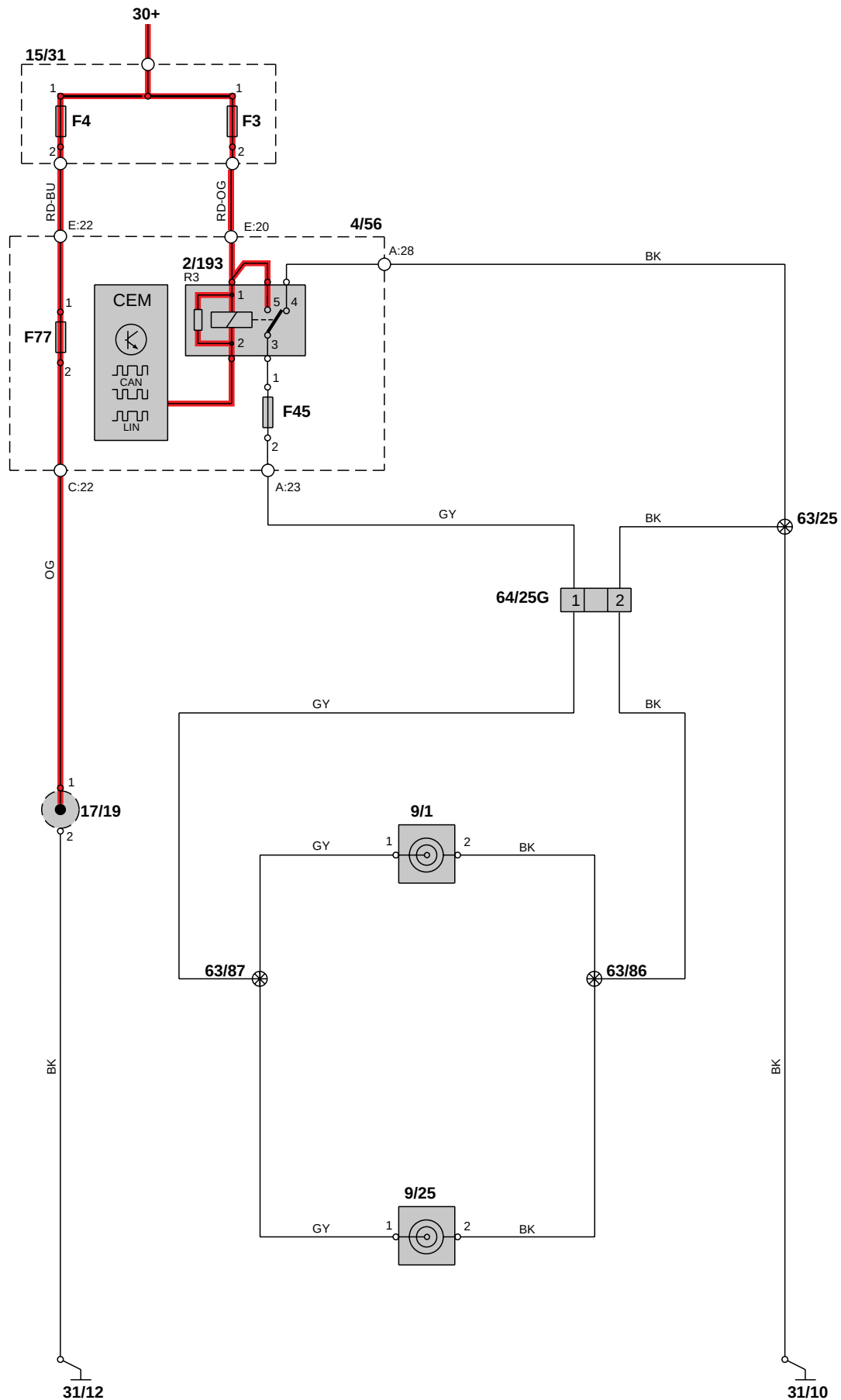


Group 37 Wiring and fuses

Diagnostics system

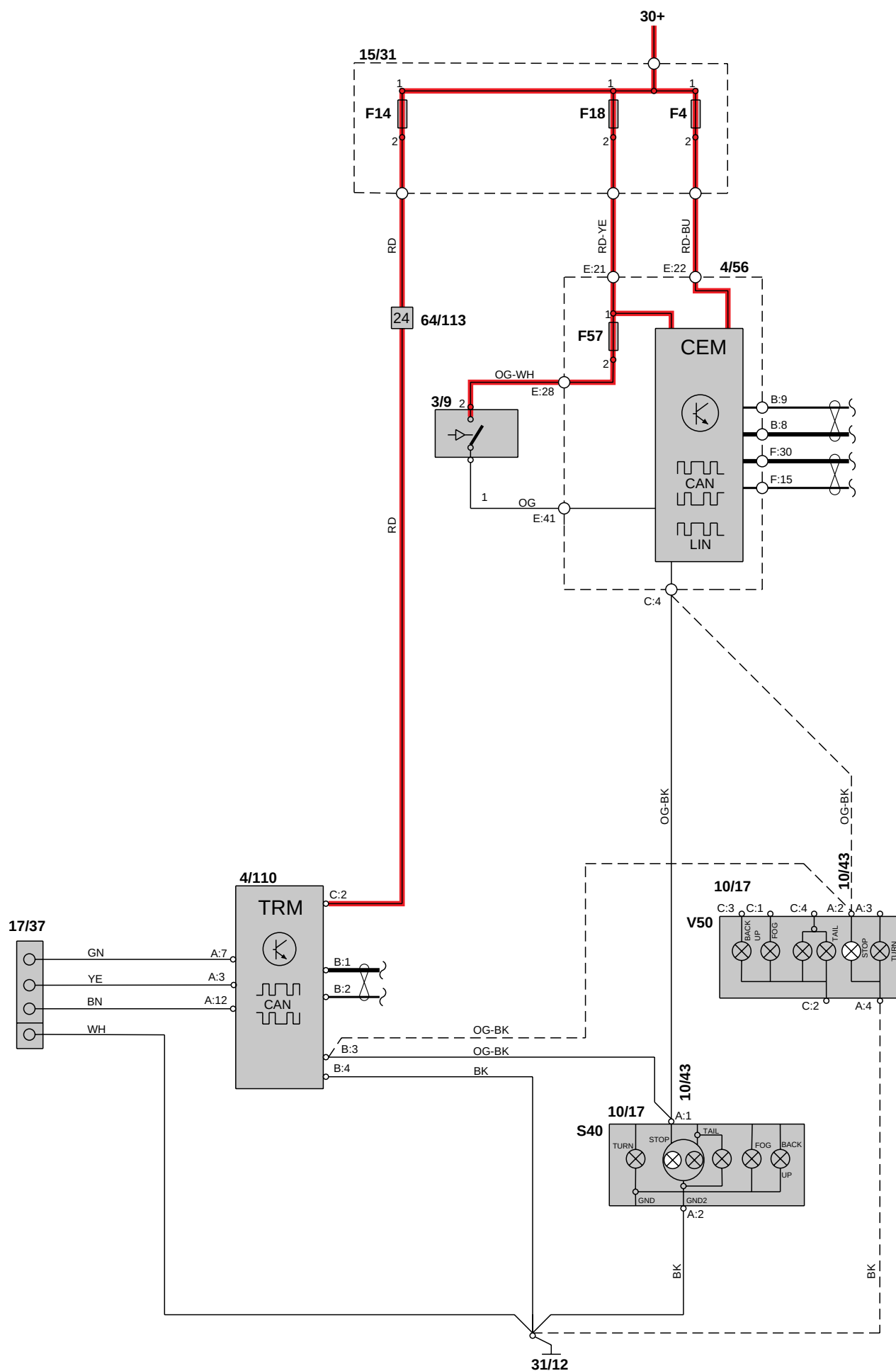


Group 37 Wiring and fuses 12V outlet



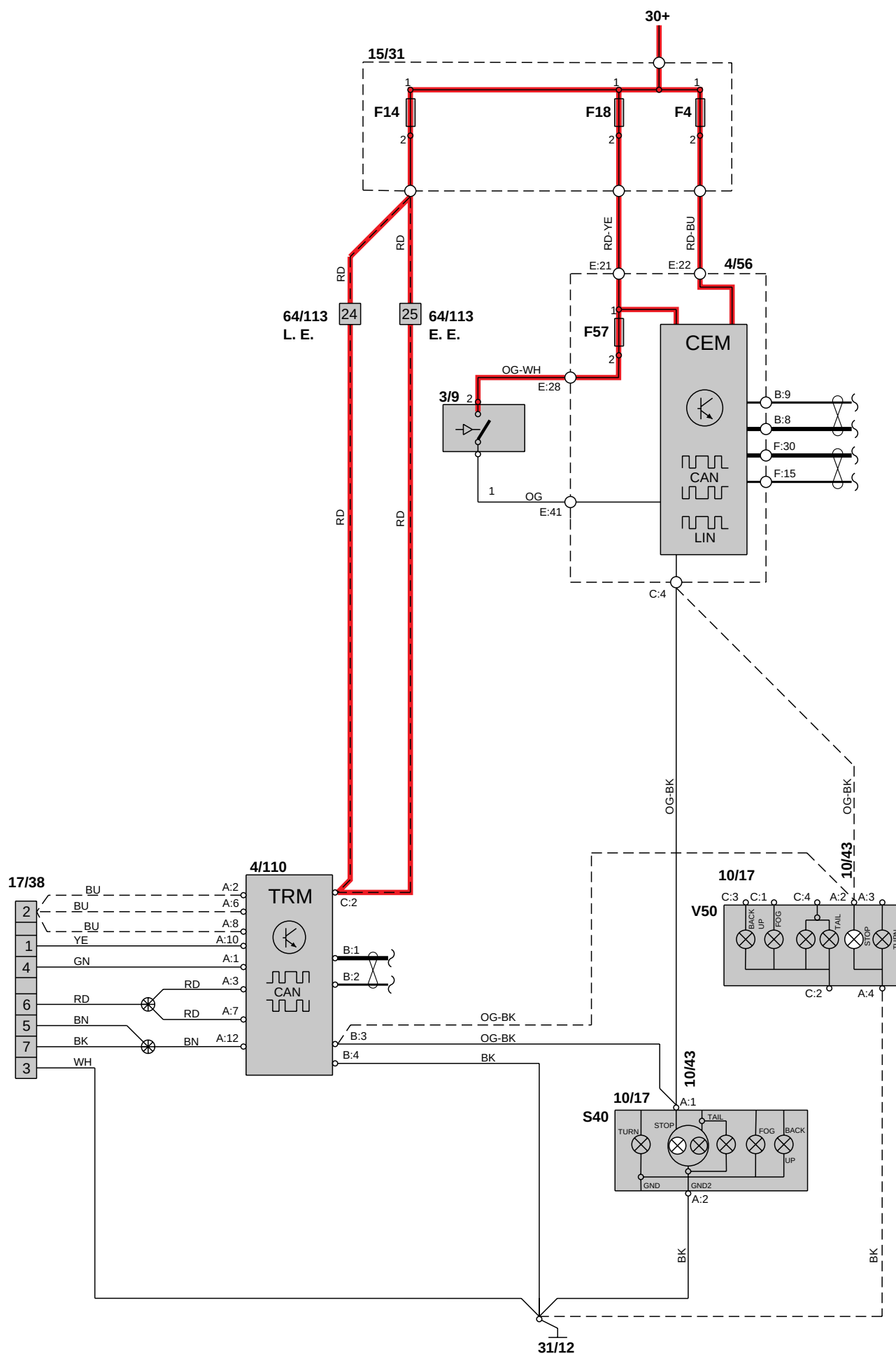
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 4-pin



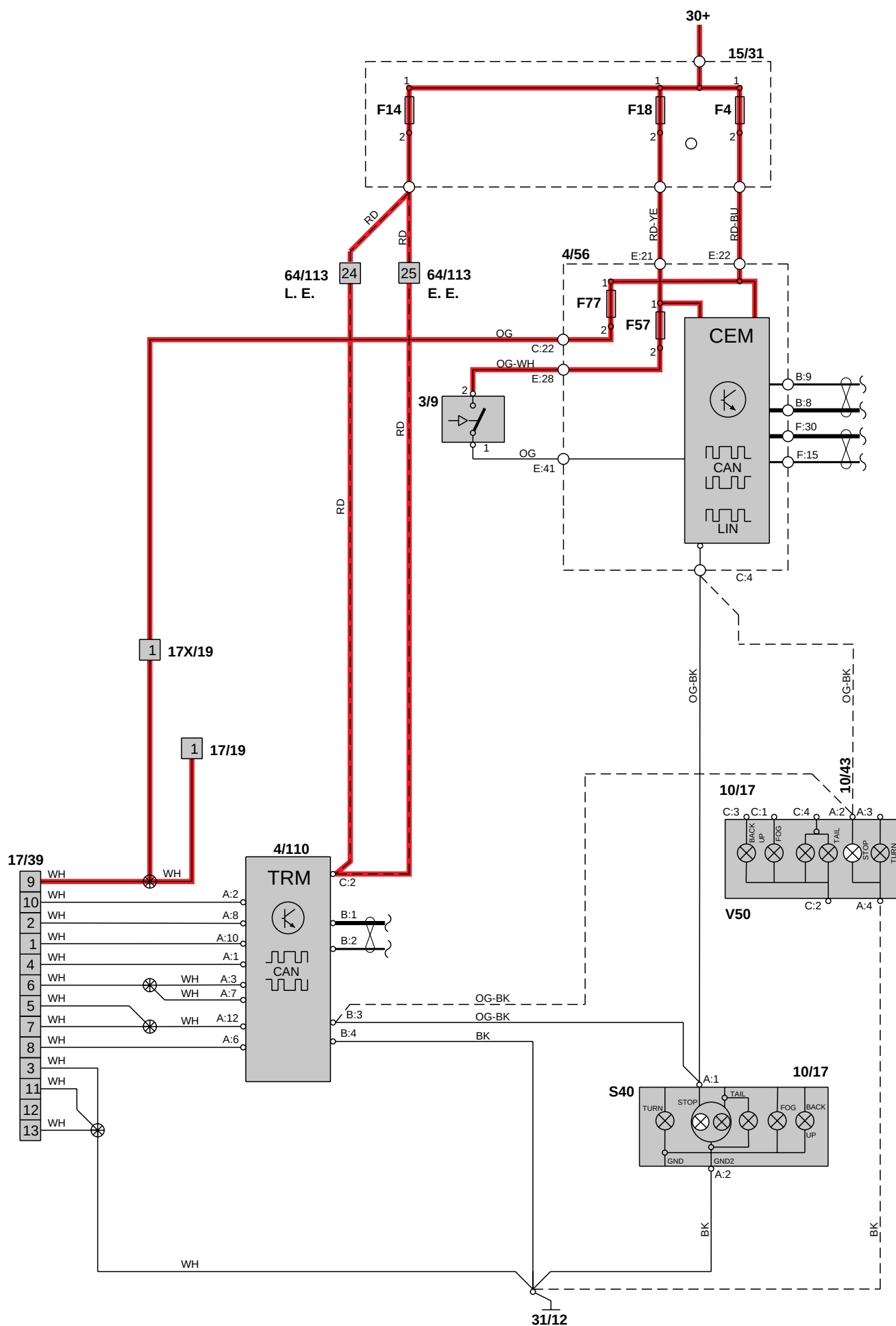
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 7-pin



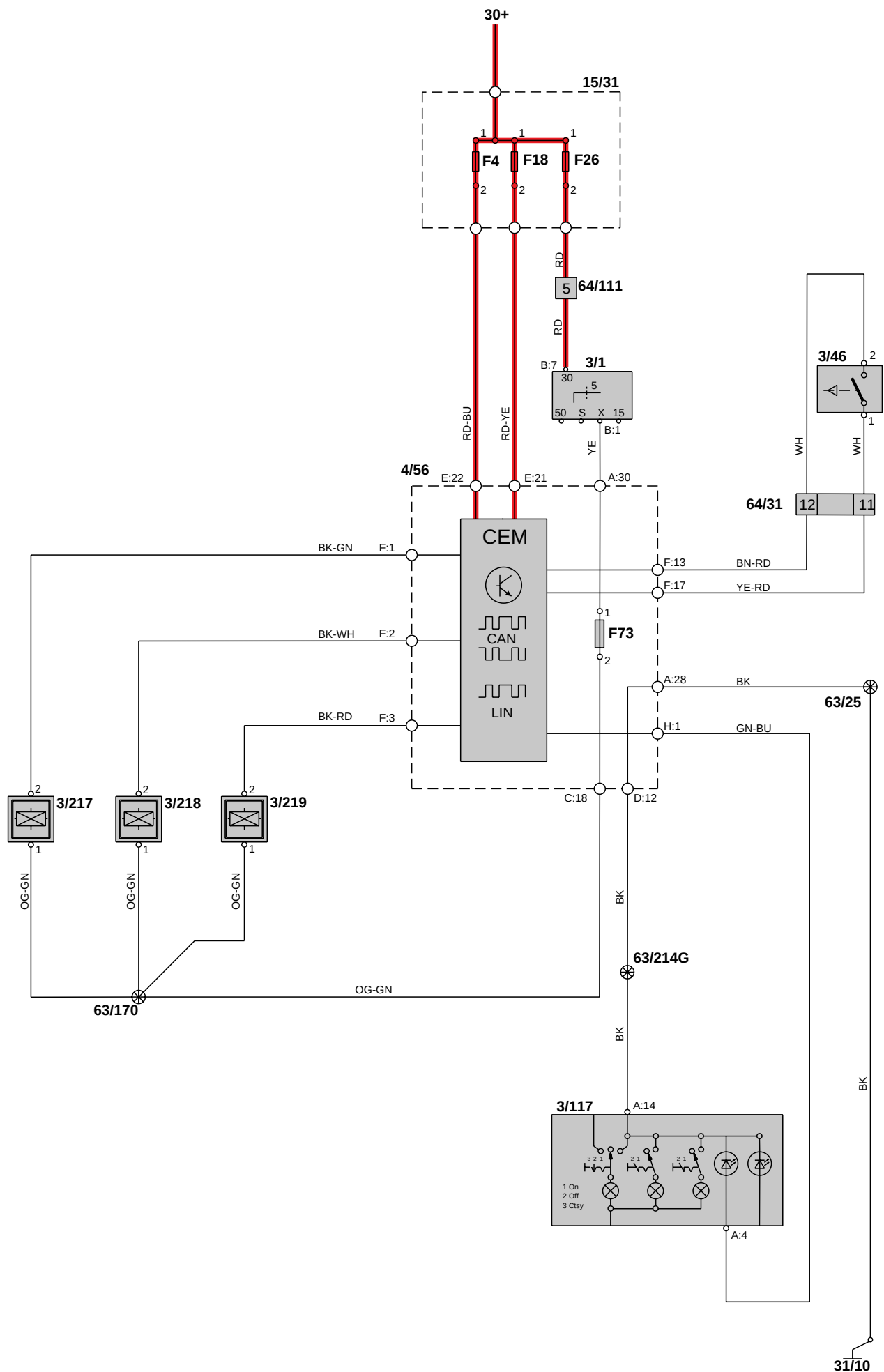
Group 37 Wiring and fuses, Accessories

Towbar cable harness, 13-pin



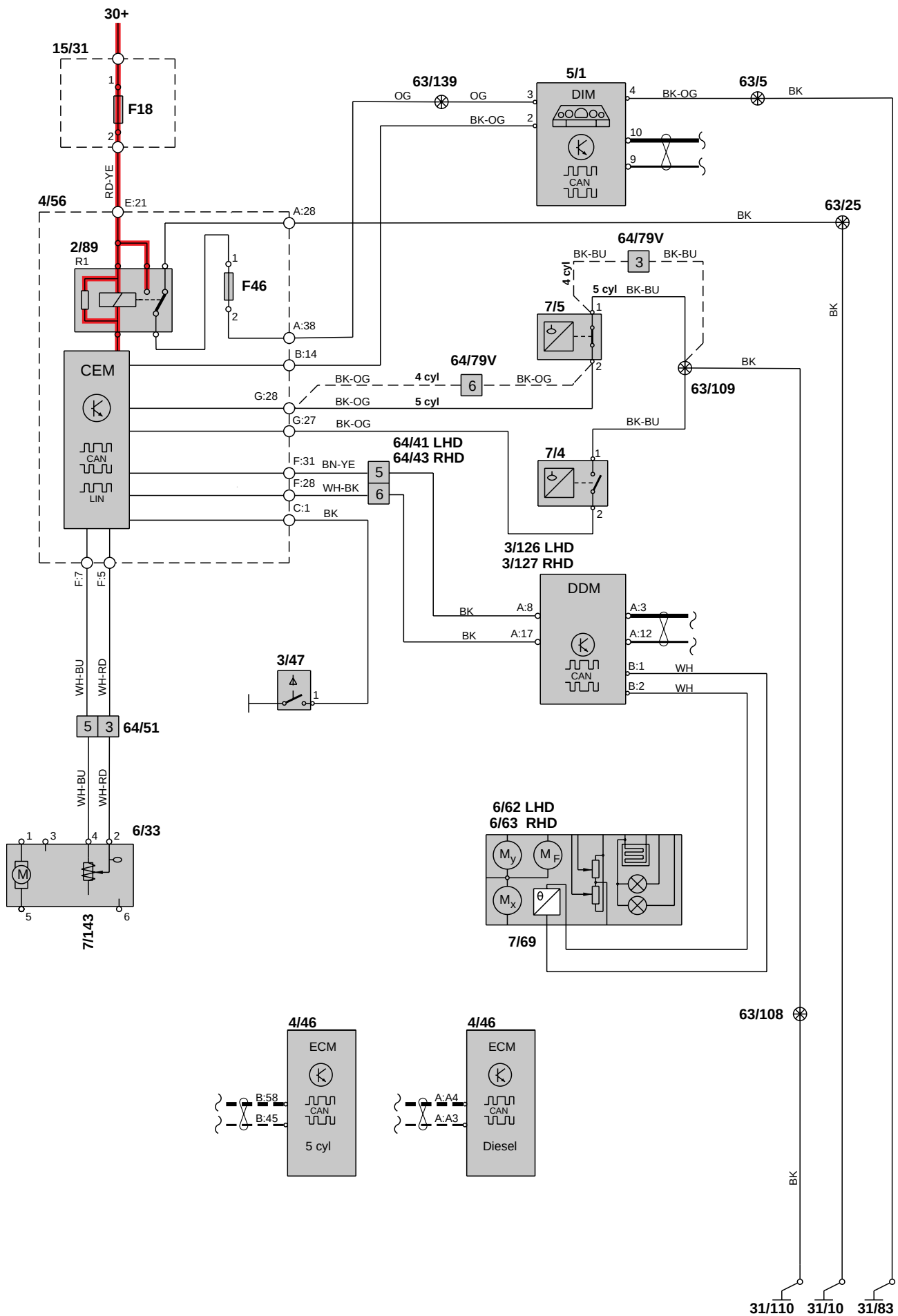
Group 38 Instruments

Seat belt reminder



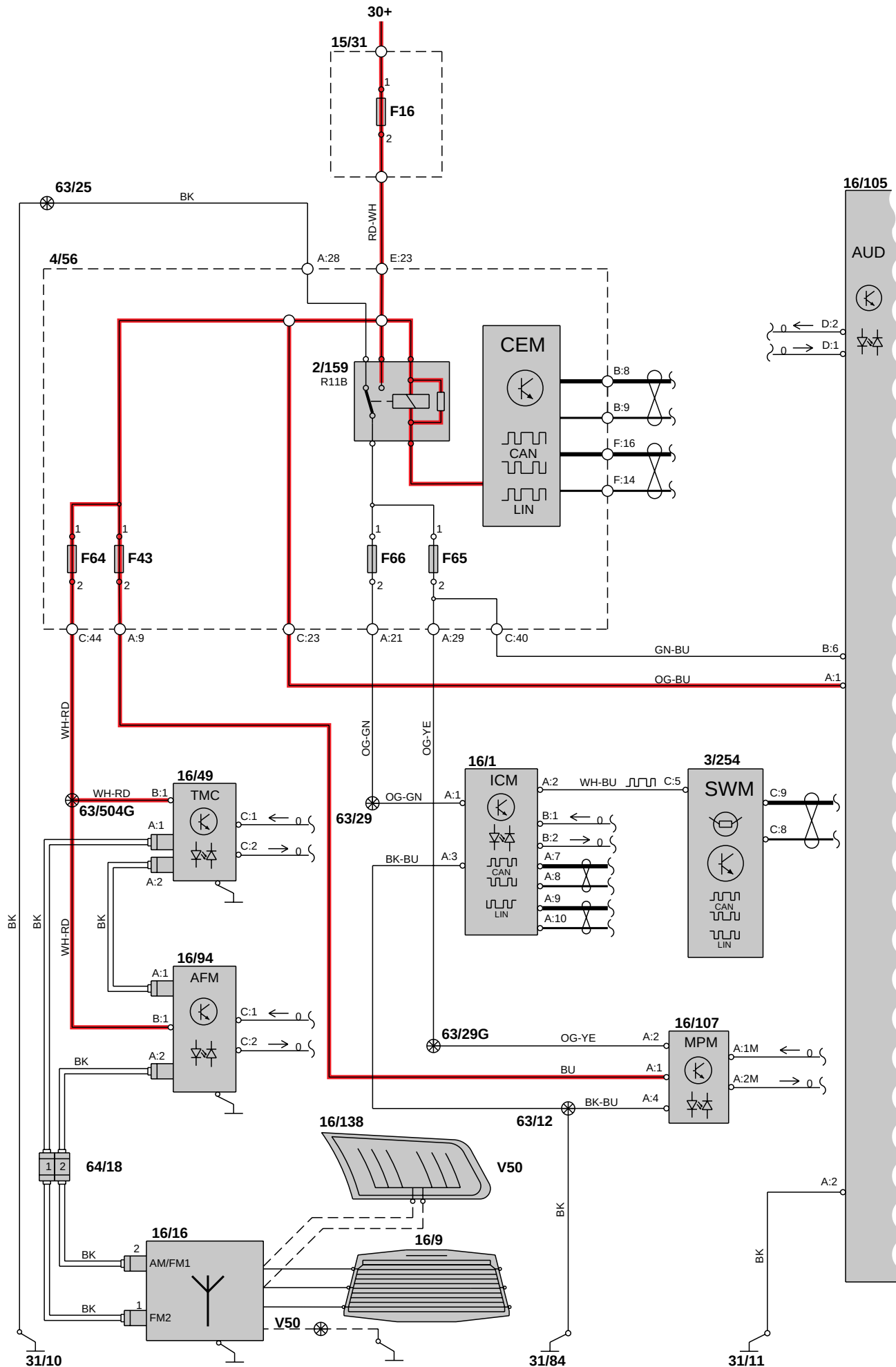
Group 38 Instruments

Driver information module

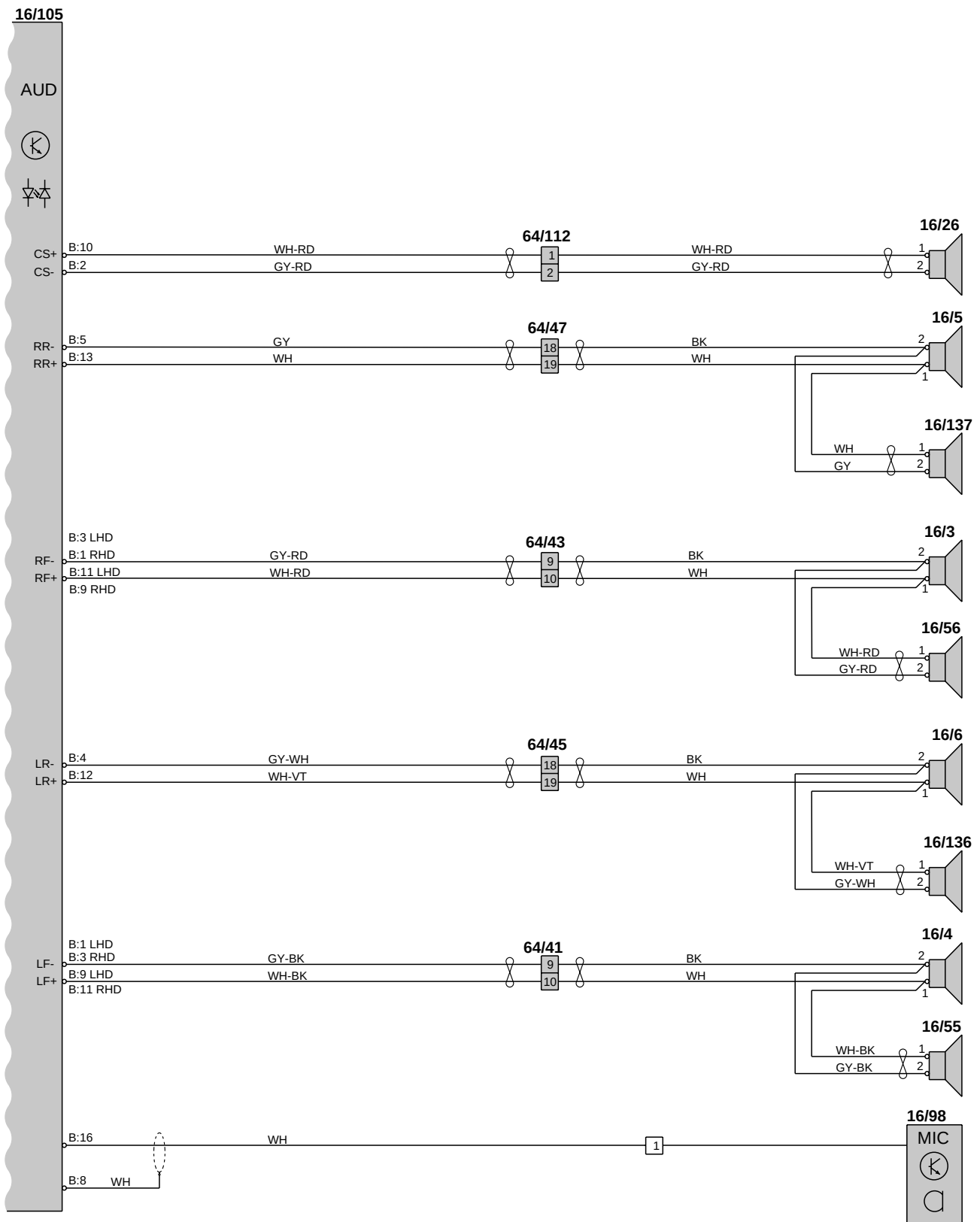


Group 39 Other

Audio 1:2

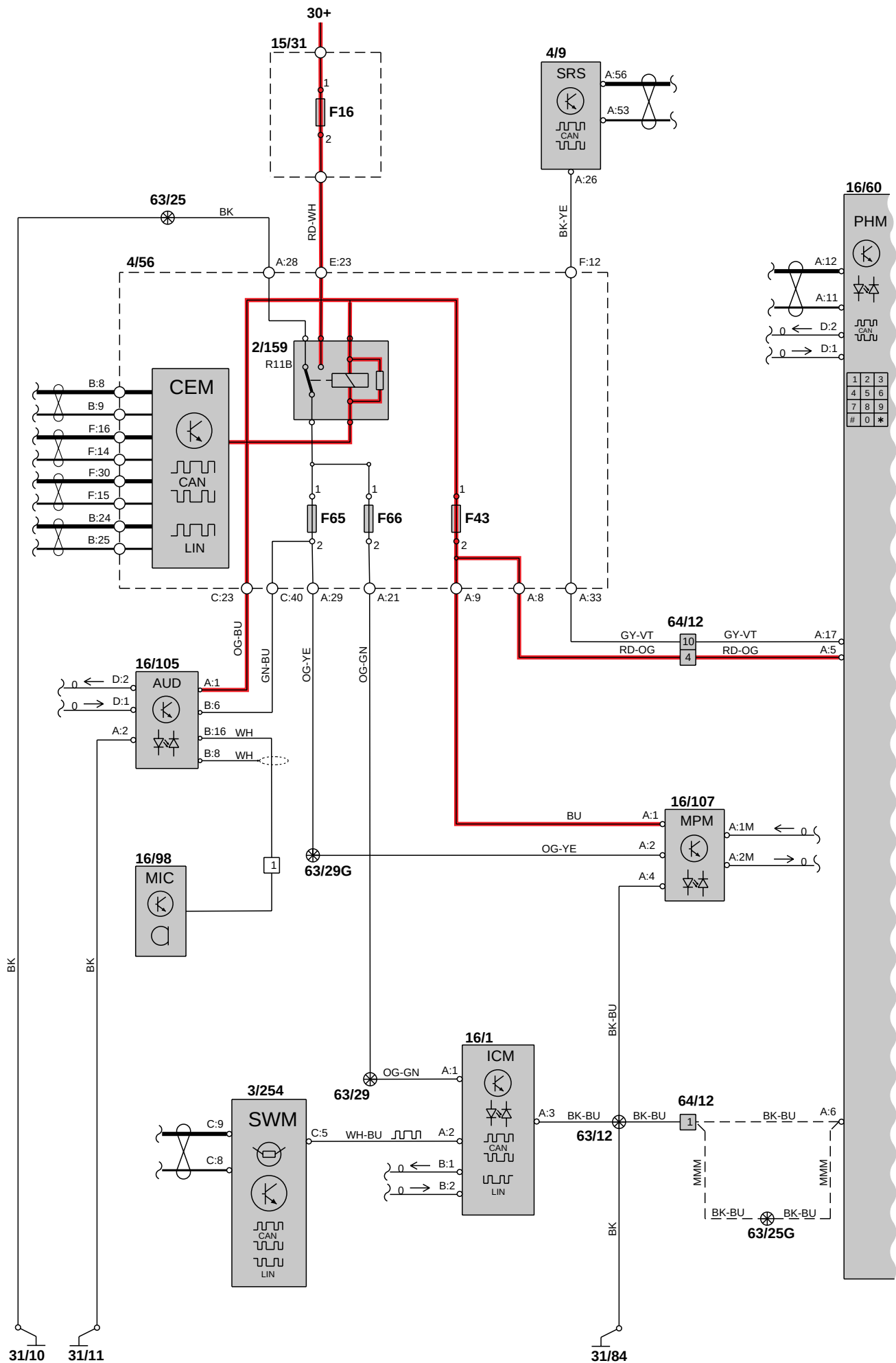


Group 39 Other Audio 2:2

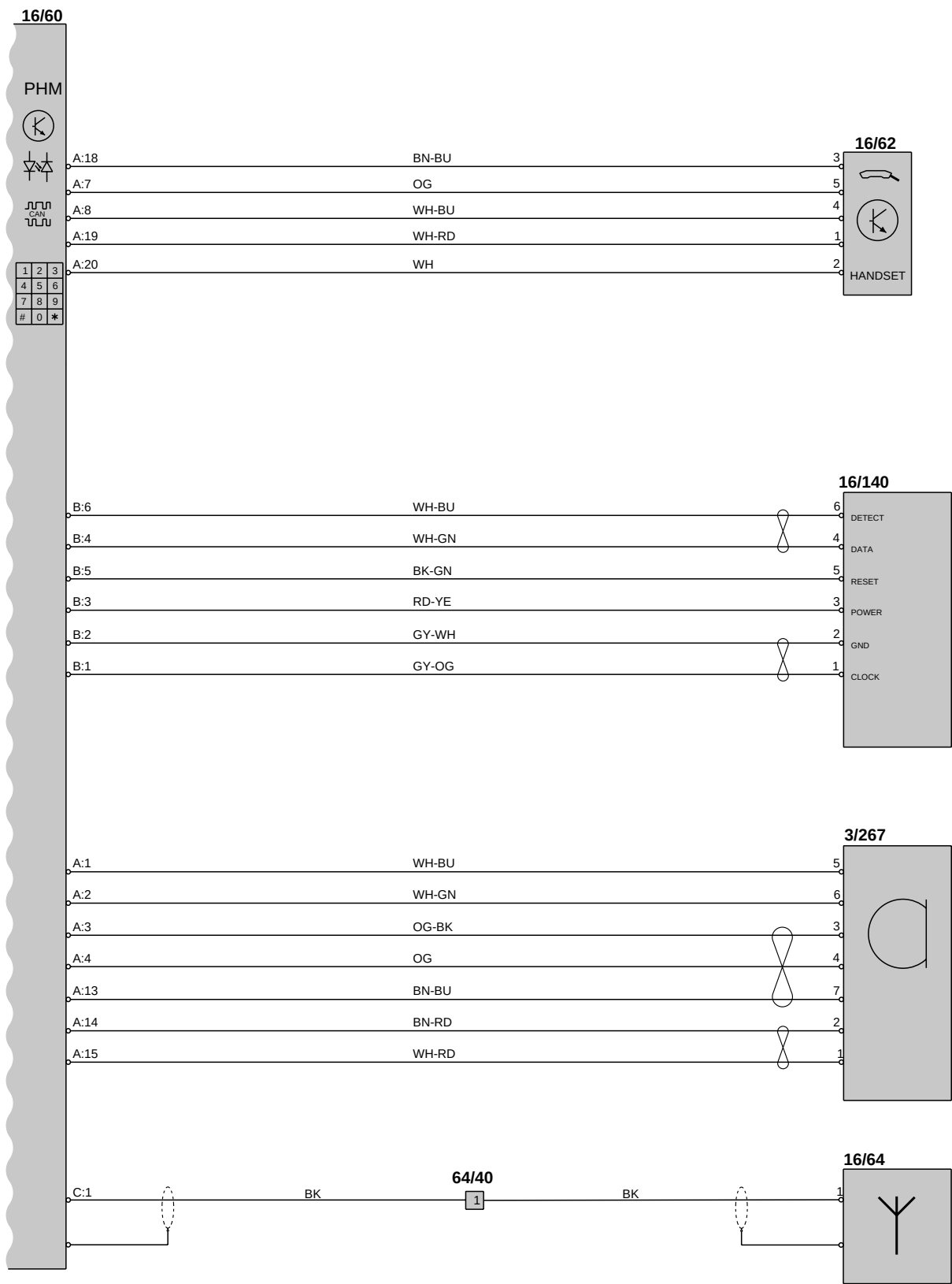


Group 39 Other

Cellular phone 1:2

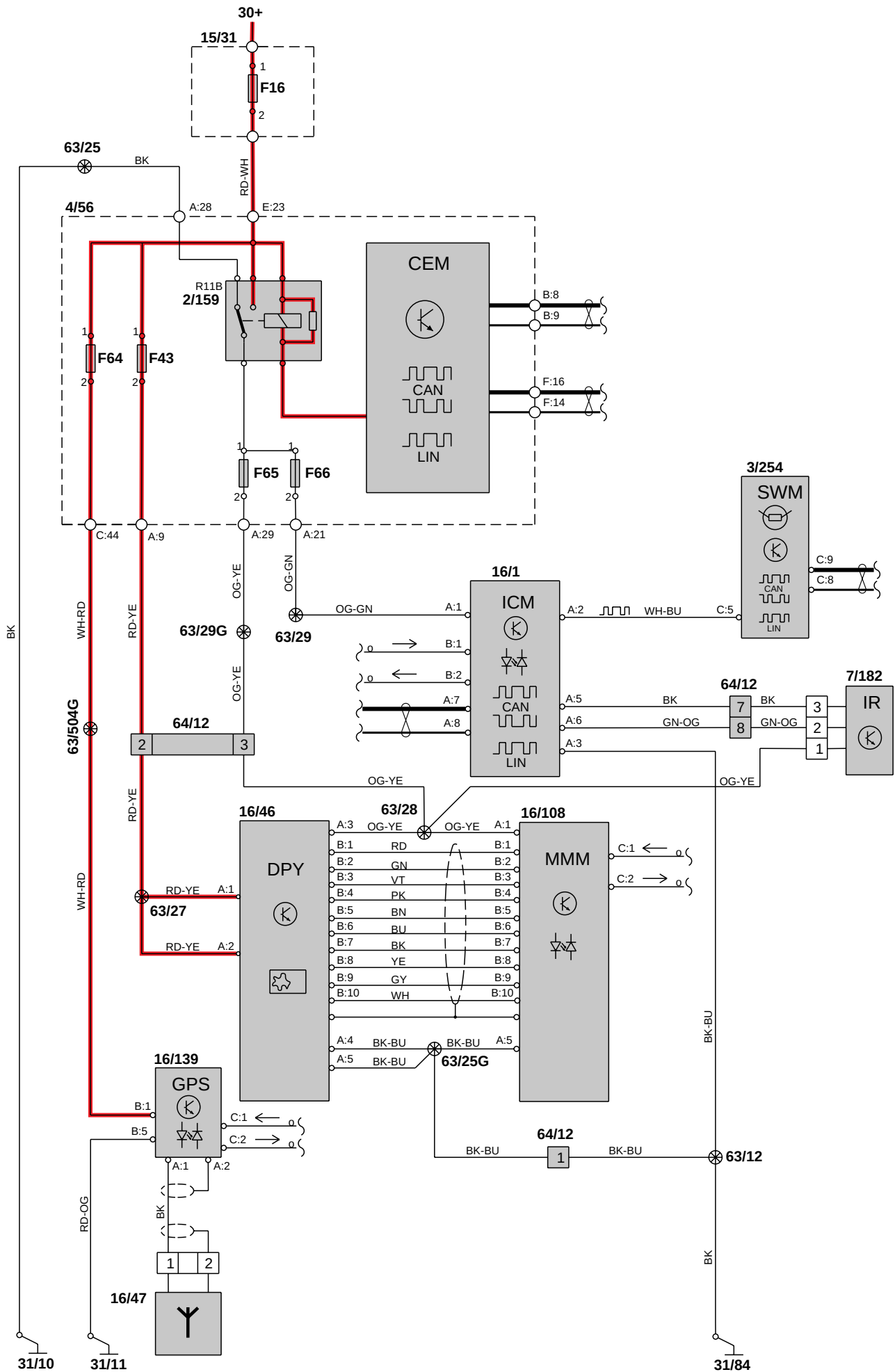


Group 39 Other
Cellular phone 2:2



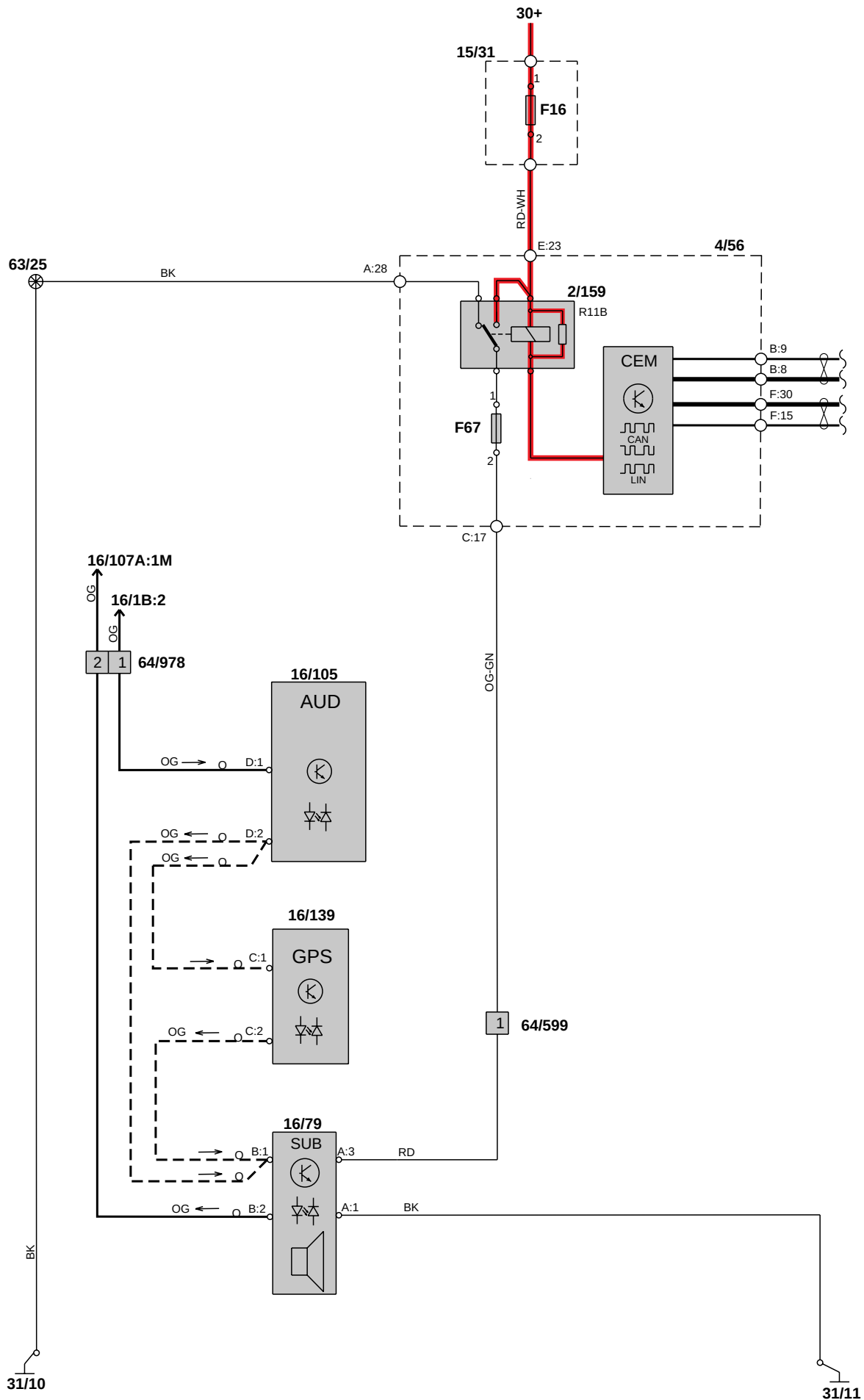
Group 39 Other

Multimedia & traffic information



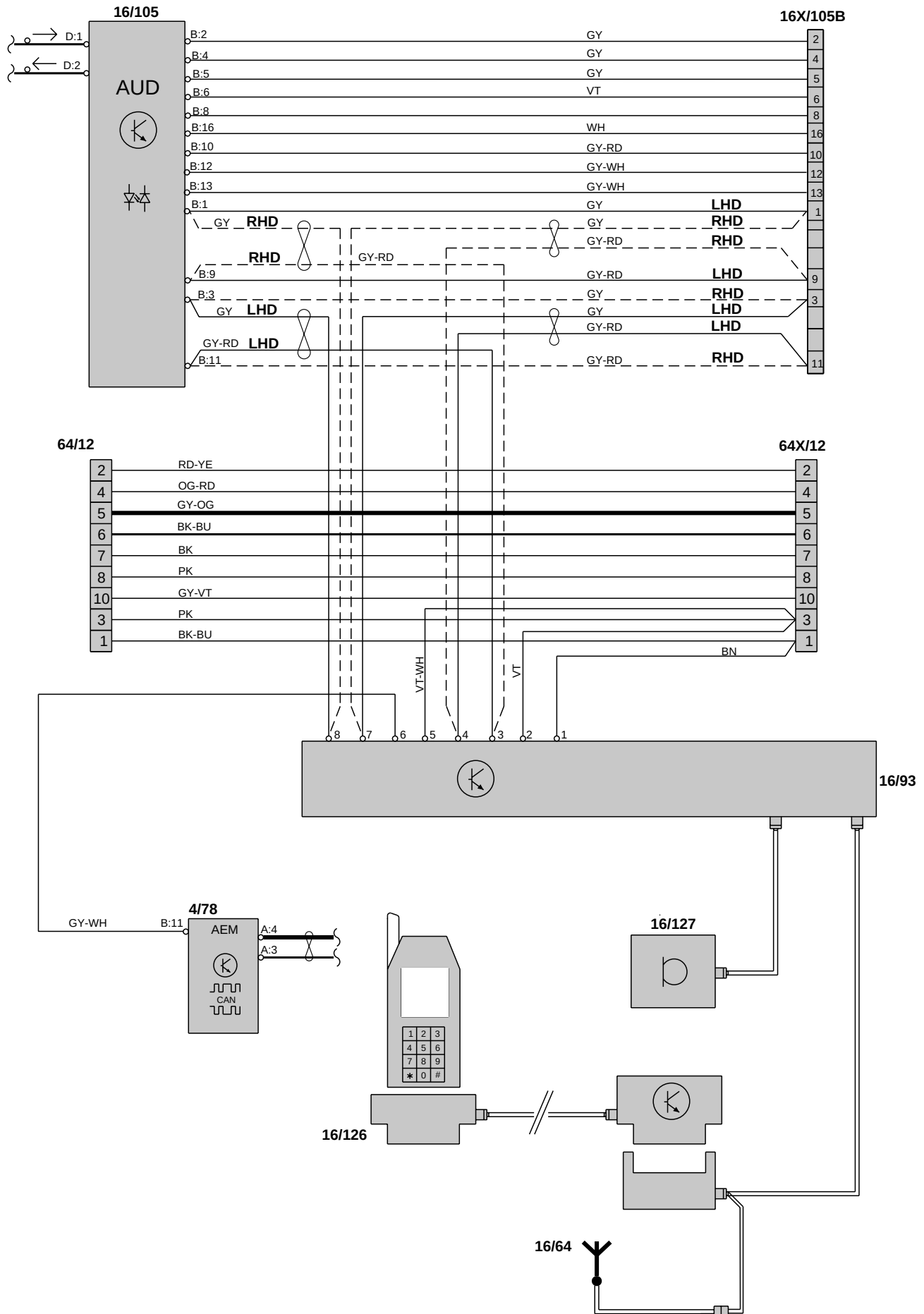
Group 39 Other, Accessories

Subwoofer



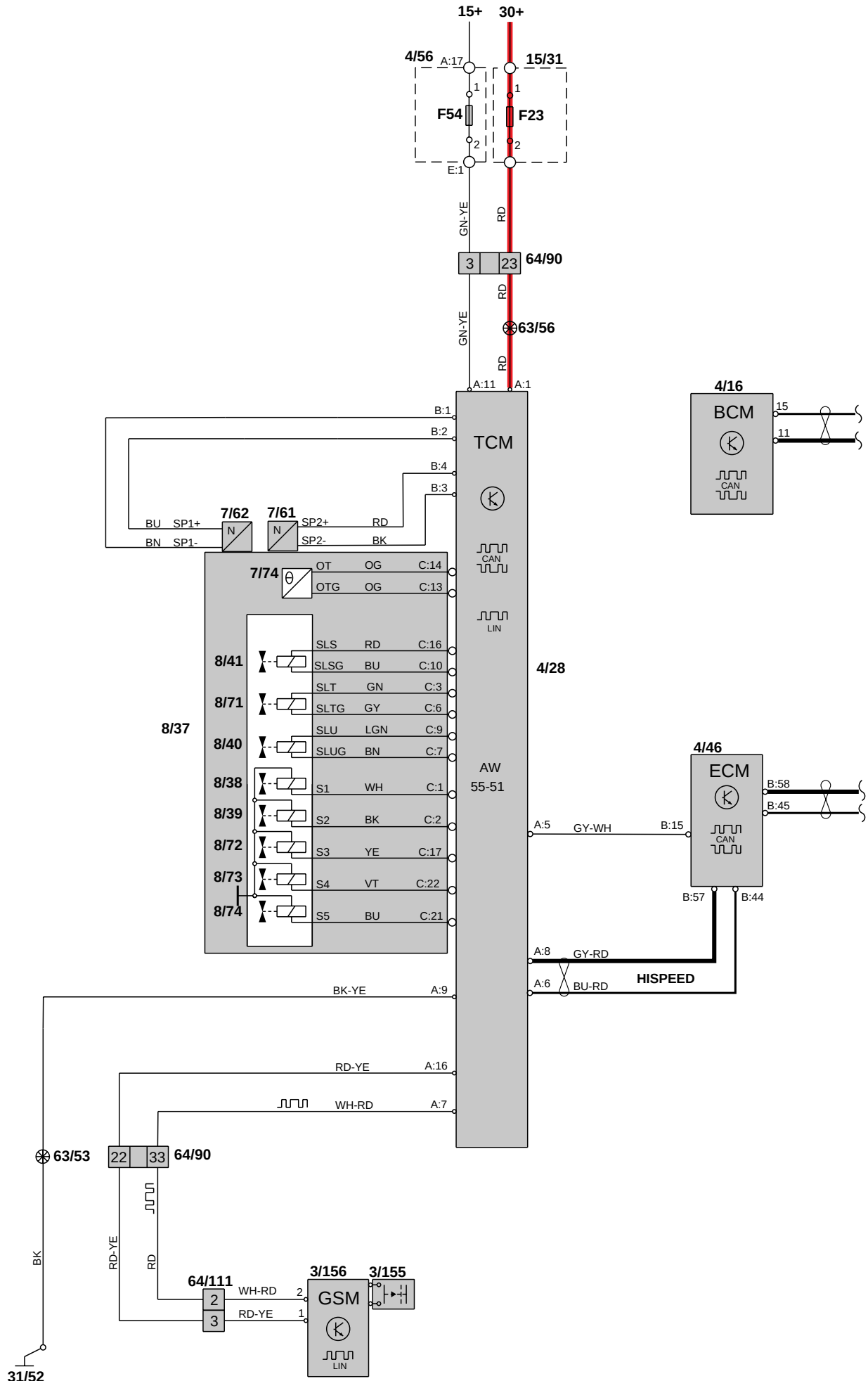
Group 39 Other, Accessories

Handsfree

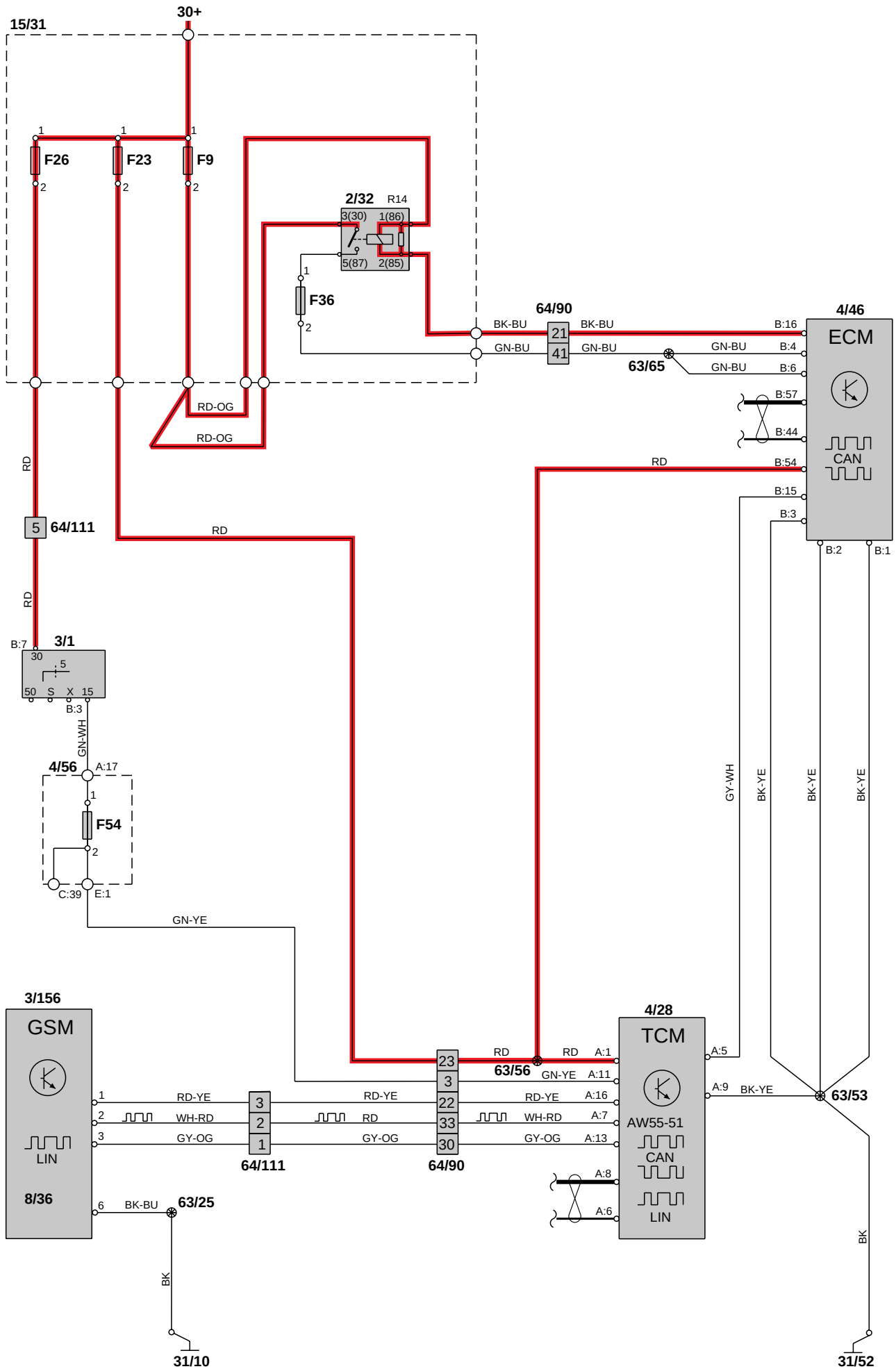


Group 43 Transmission

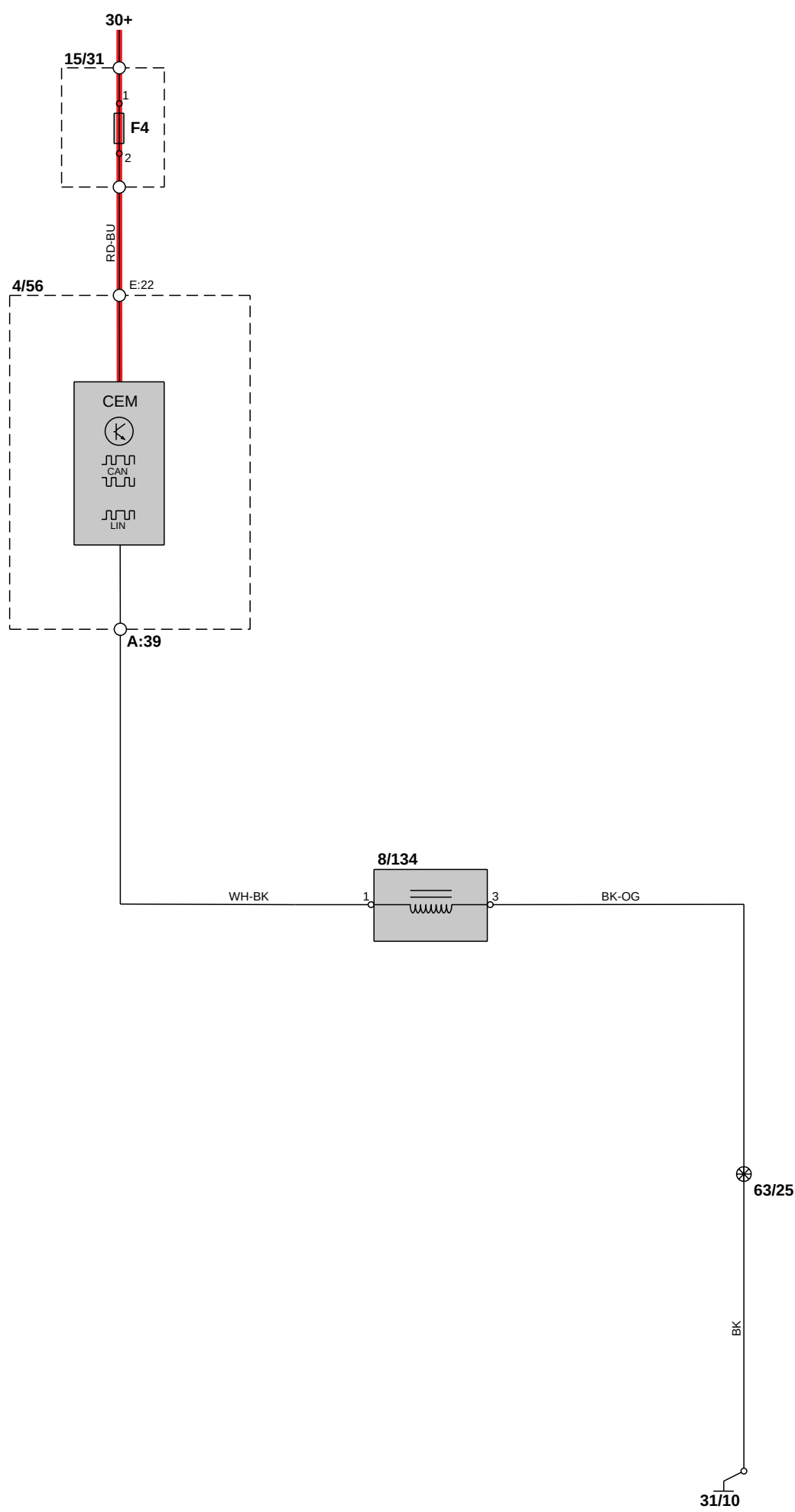
Automatic transmission AW55-51



Group 43 Transmission Shift interlock

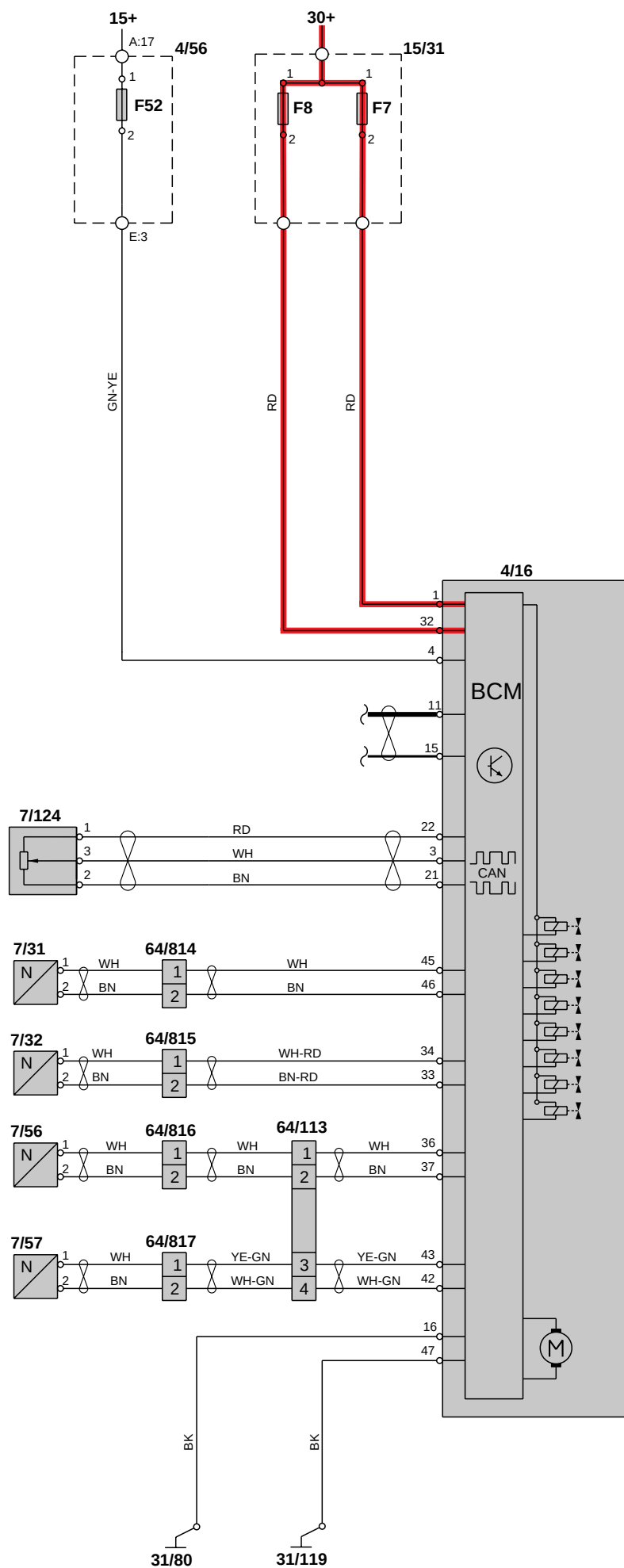


Group 43 Transmission
Transmission M66



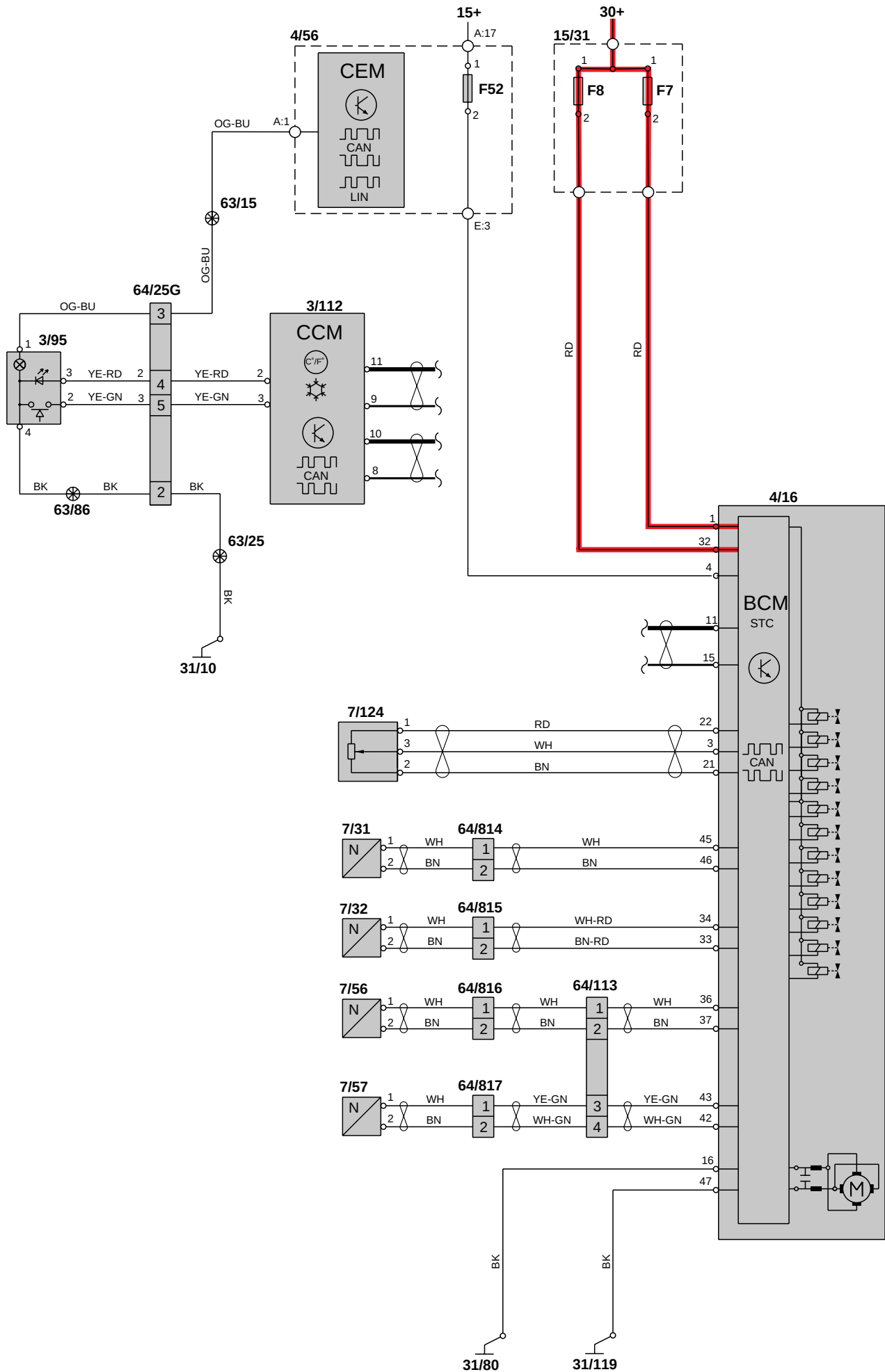
Group 59 Brake system

Brake control system



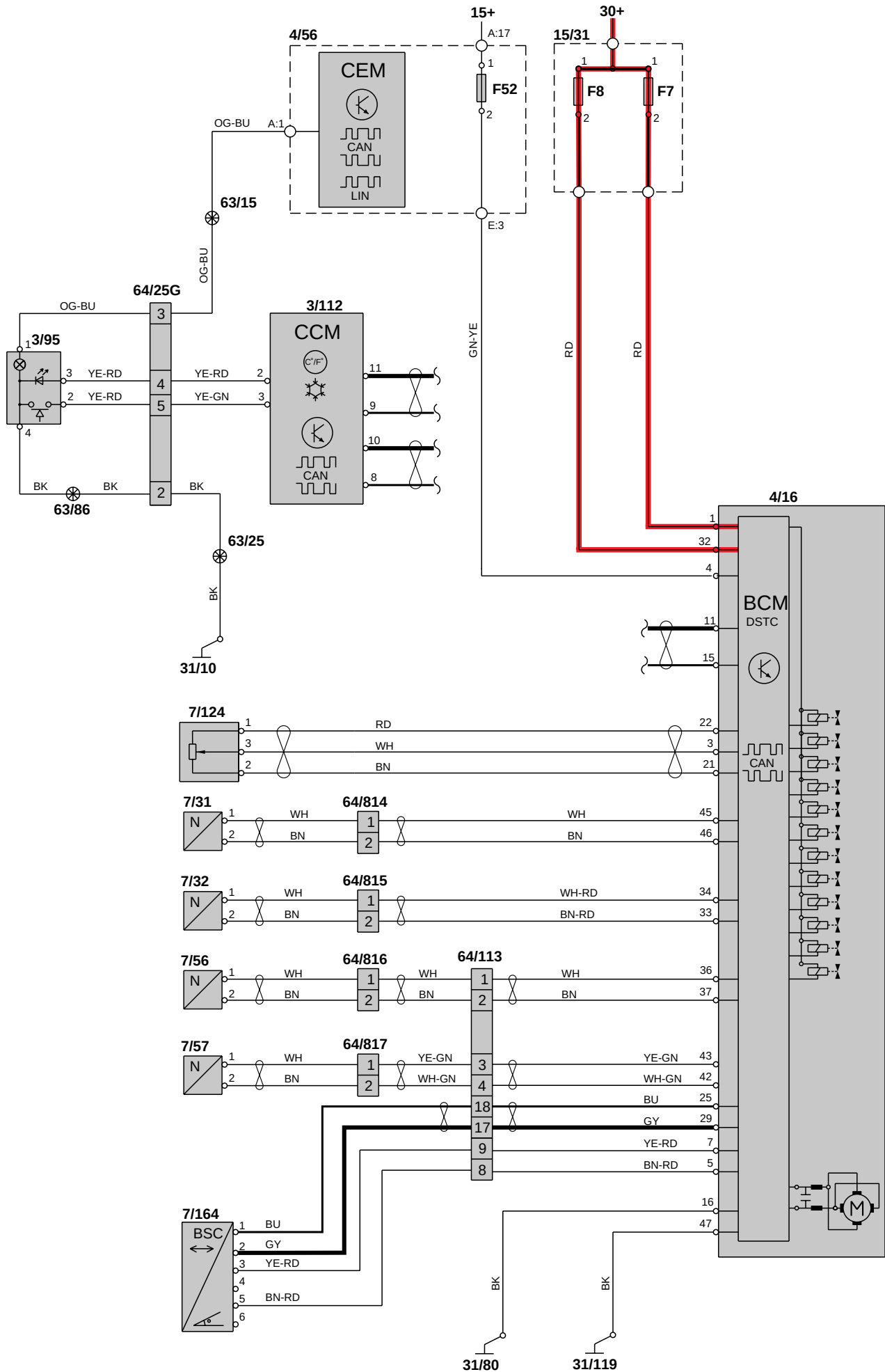
Group 59 Brake system

Brake control system & STC

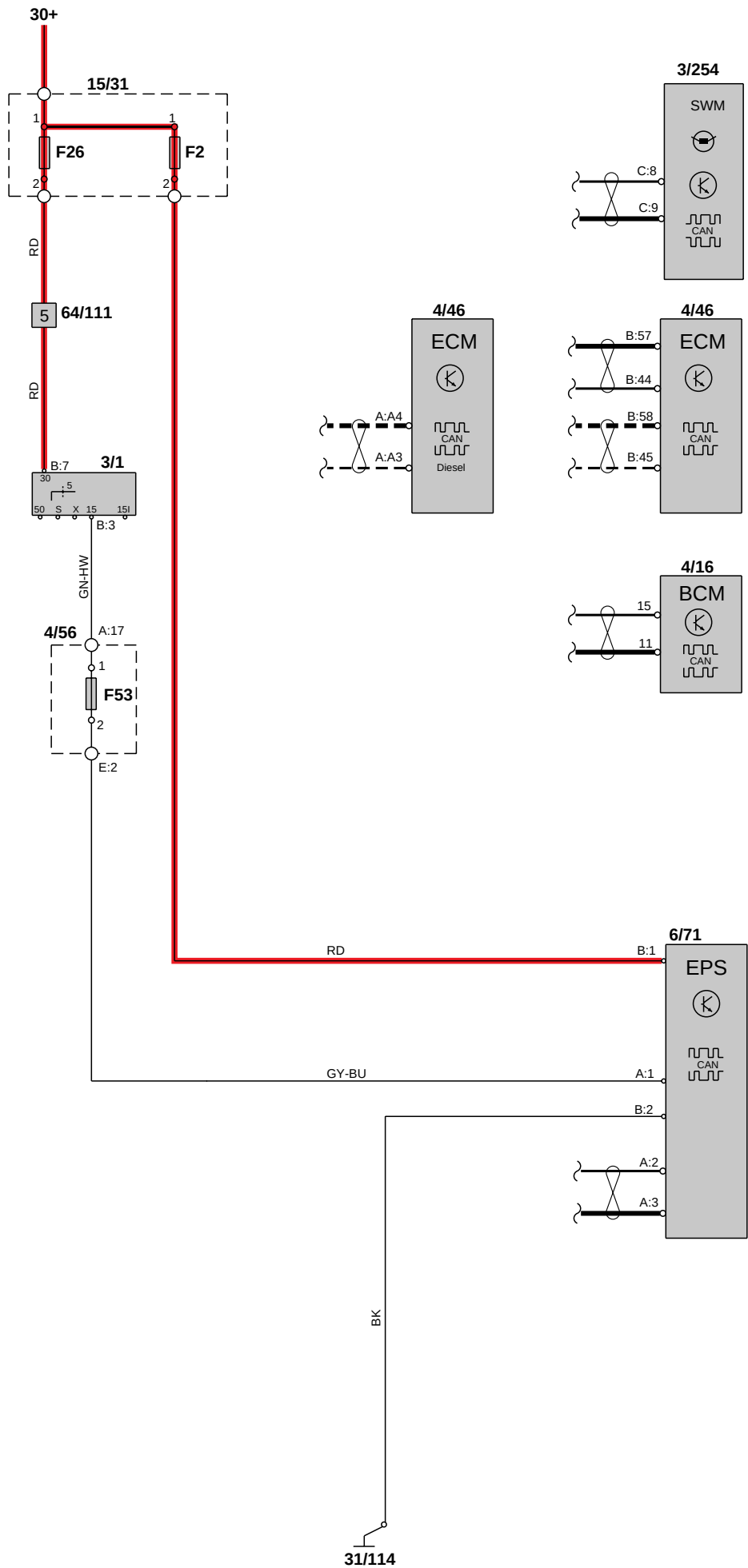


Group 59 Brake system

Brake control system & DSTC

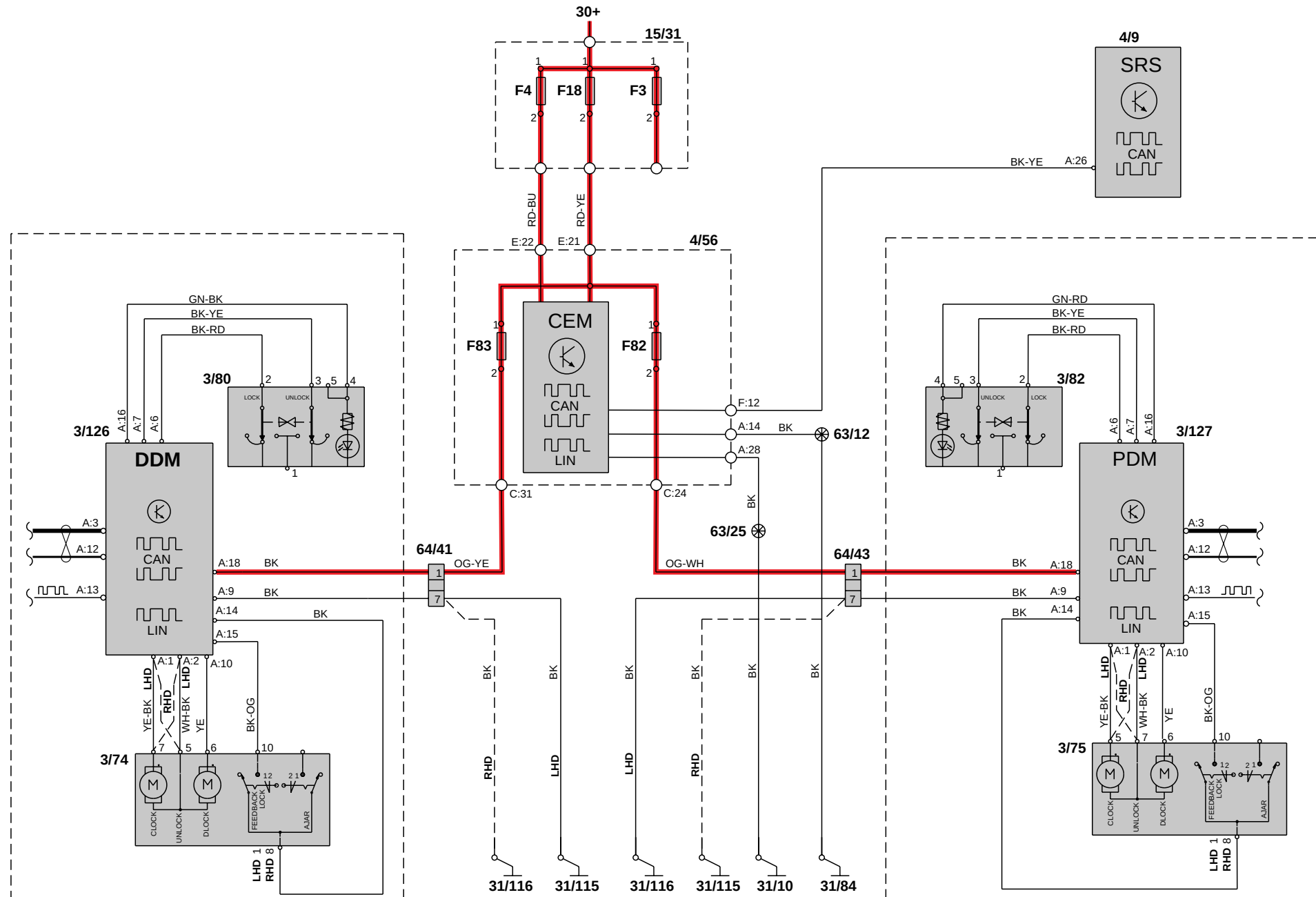


Group 64 Steering
Electronic power steering



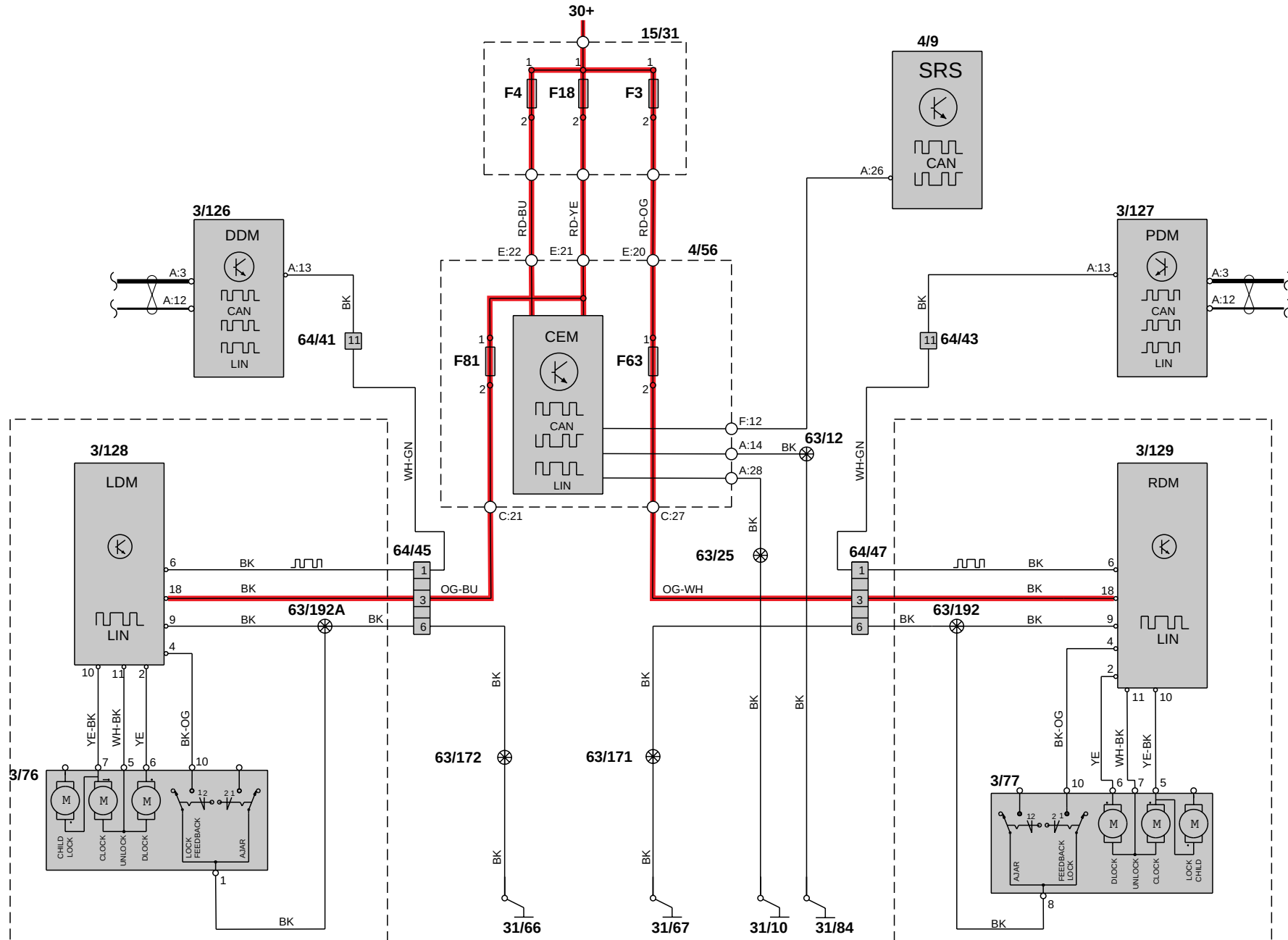
Group 83 Doors and openings

Central locking, front doors



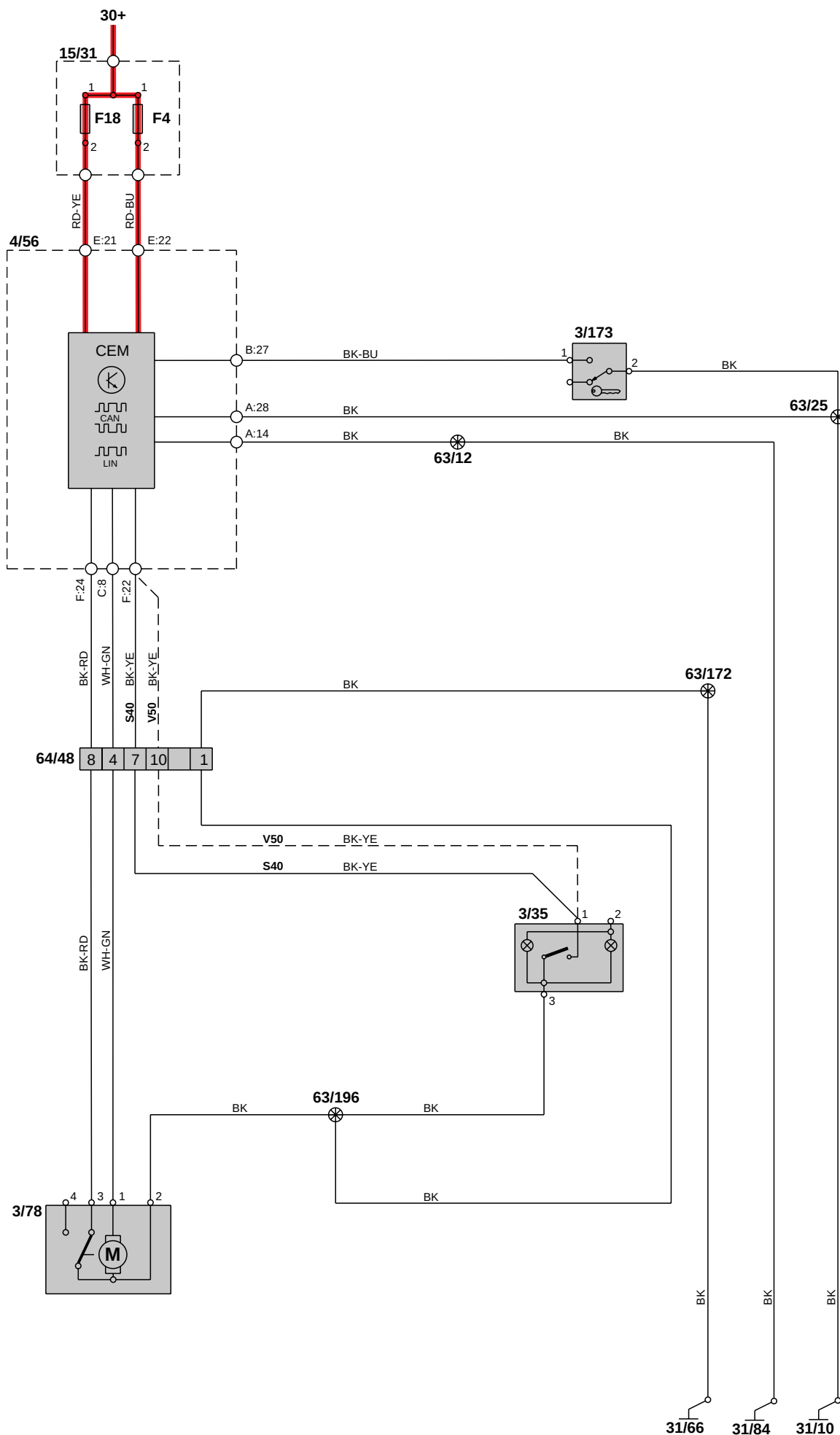
Group 83 Doors and openings

Central locking, rear doors



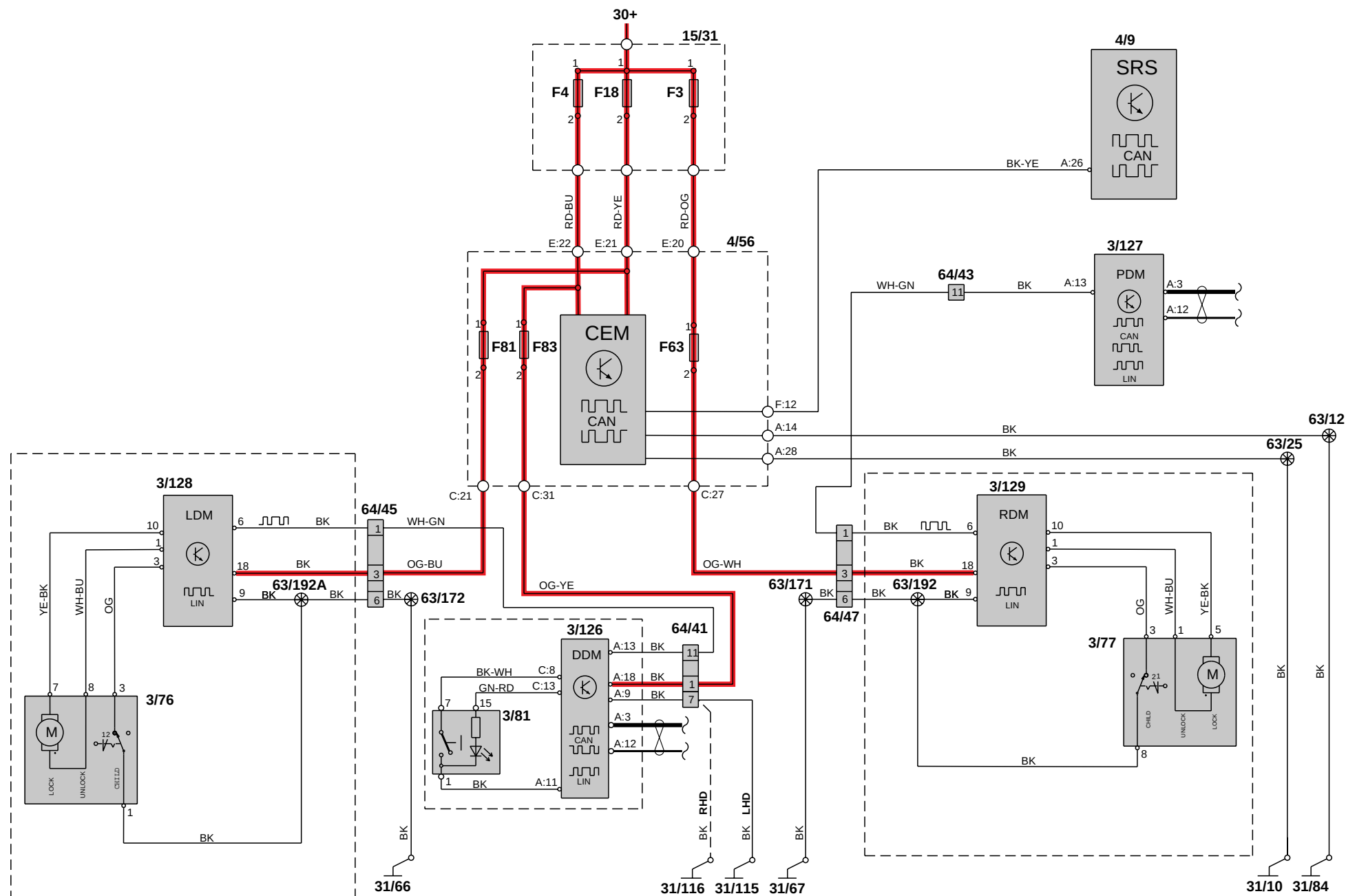
Group 83 Doors and openings

Central locking, trunk lid/tailgate



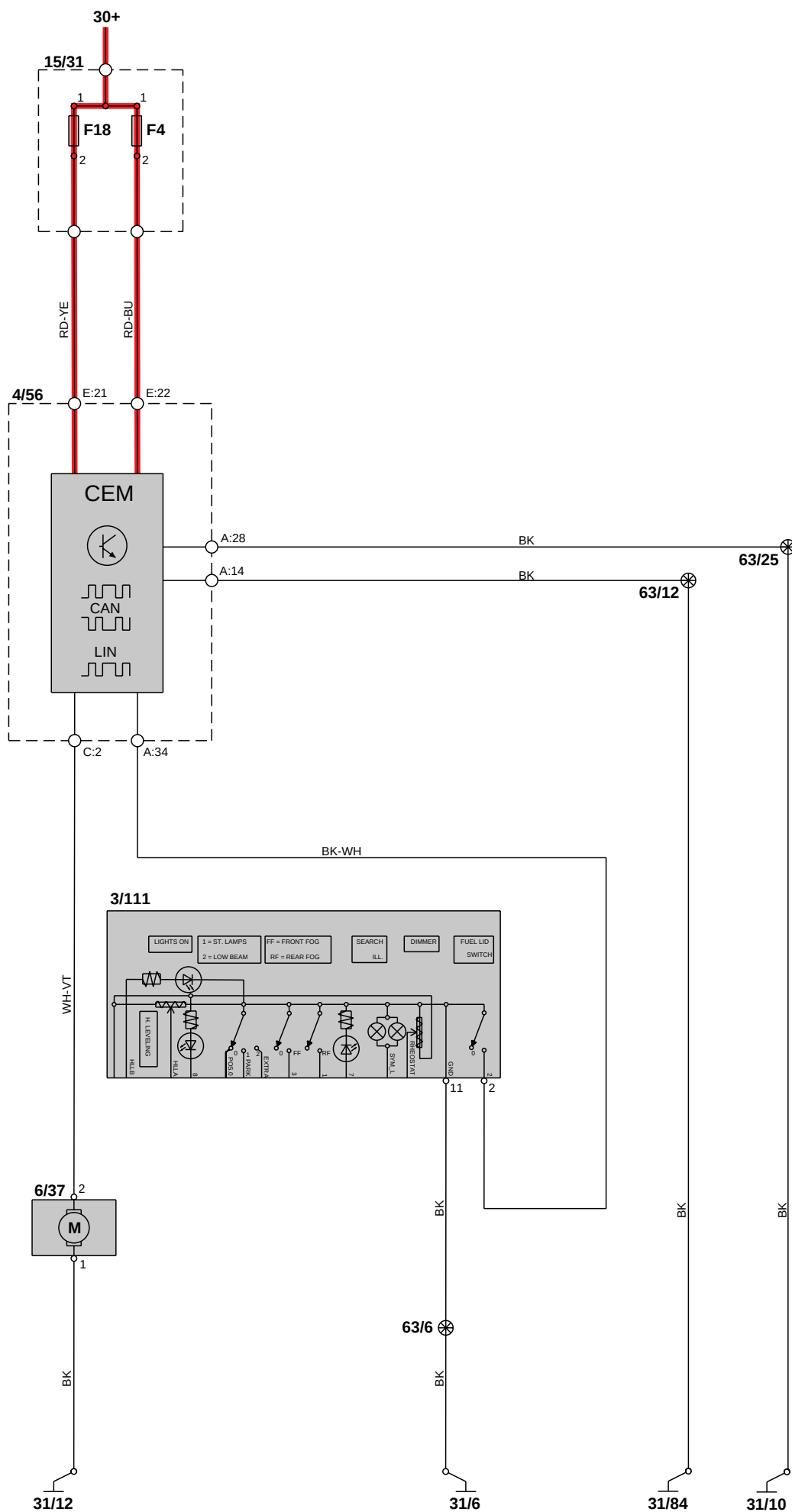
Group 83 Doors and openings

Child safety lock



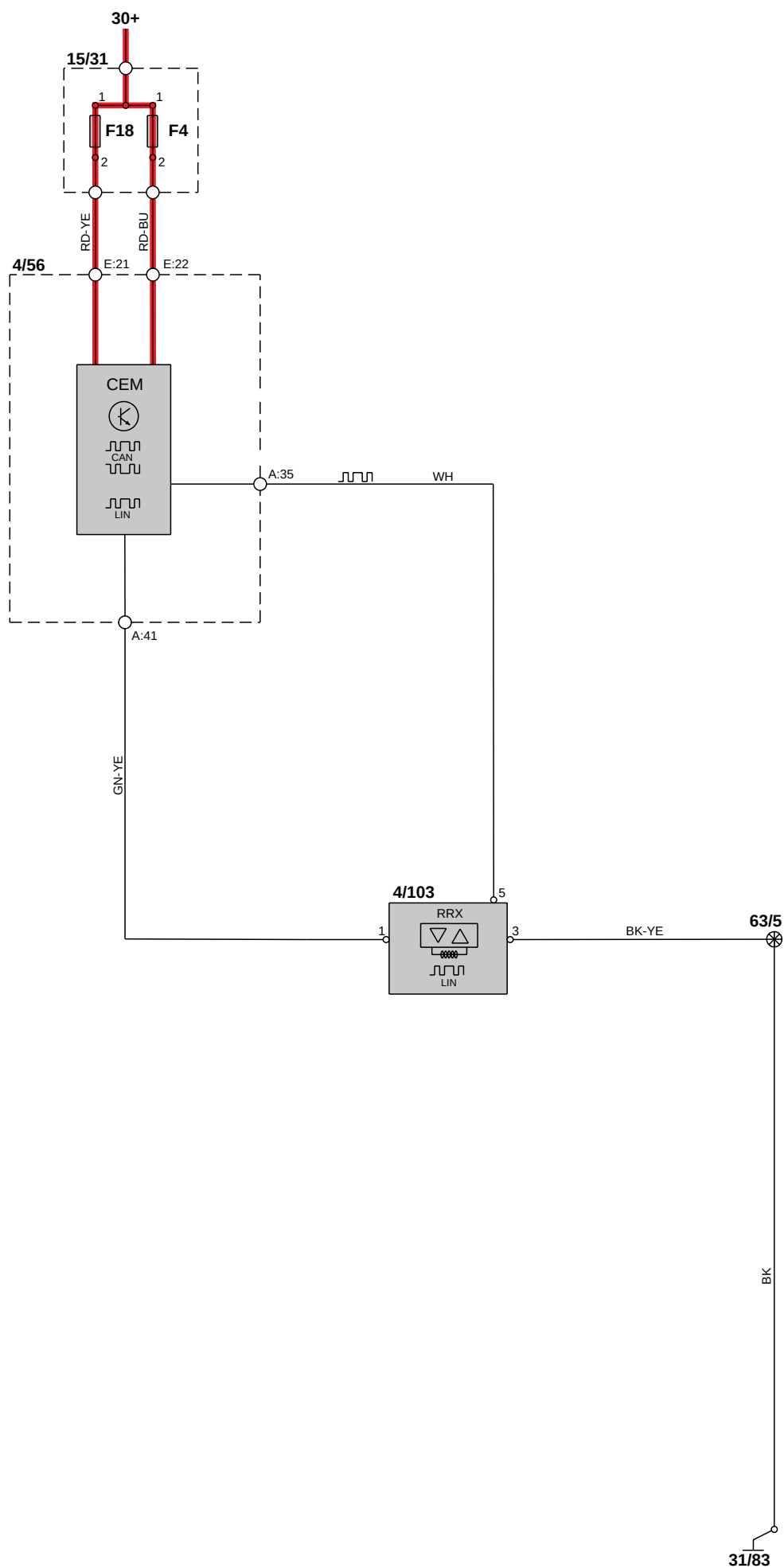
Group 83 Doors and openings

Central locking, fuel filler flap



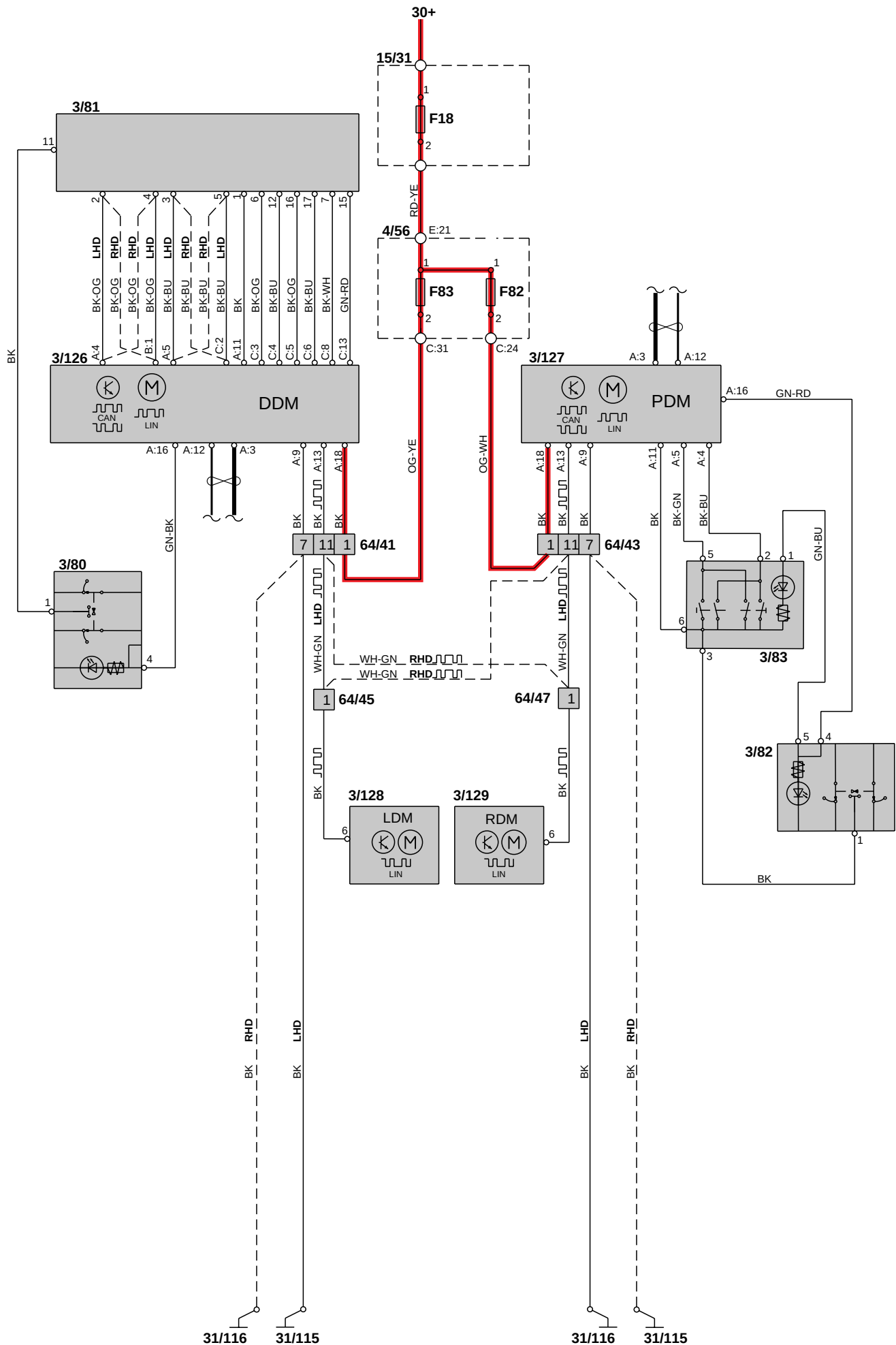
Group 83 Doors and openings

Signal receiver, remote-control, central locking



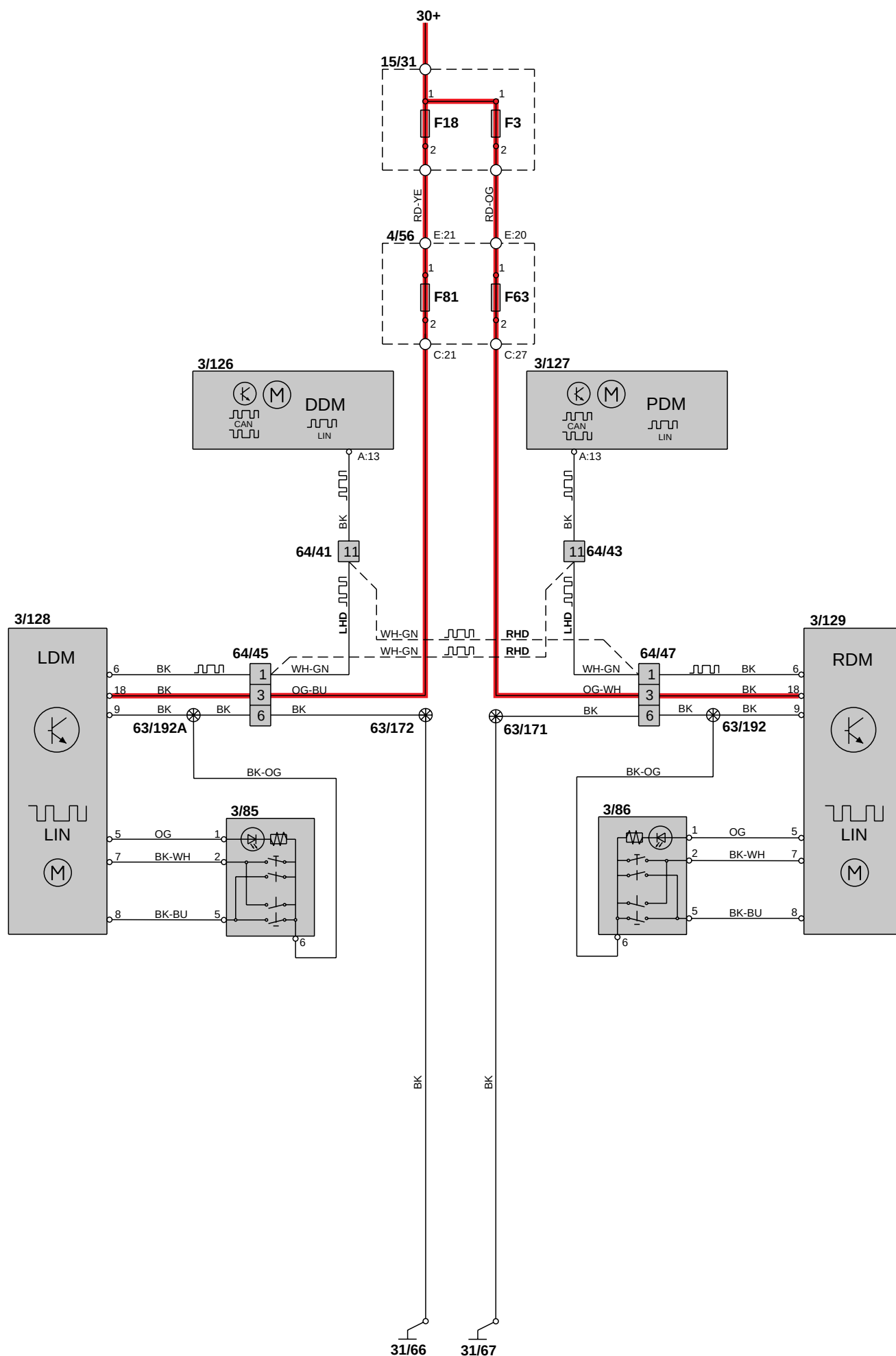
Group 83 Doors and openings

Power windows, front doors



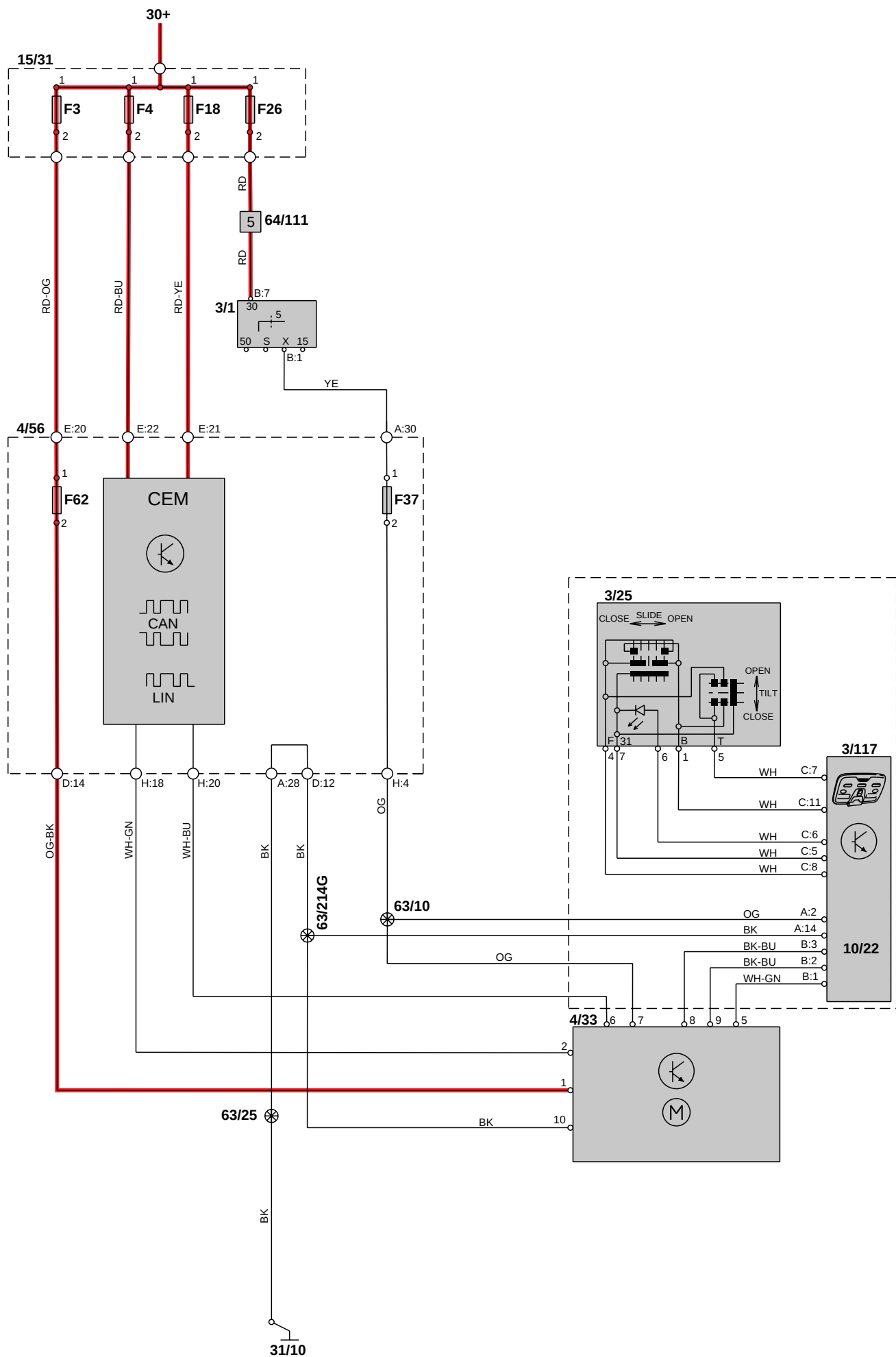
Group 83 Doors and openings

Power windows, rear doors

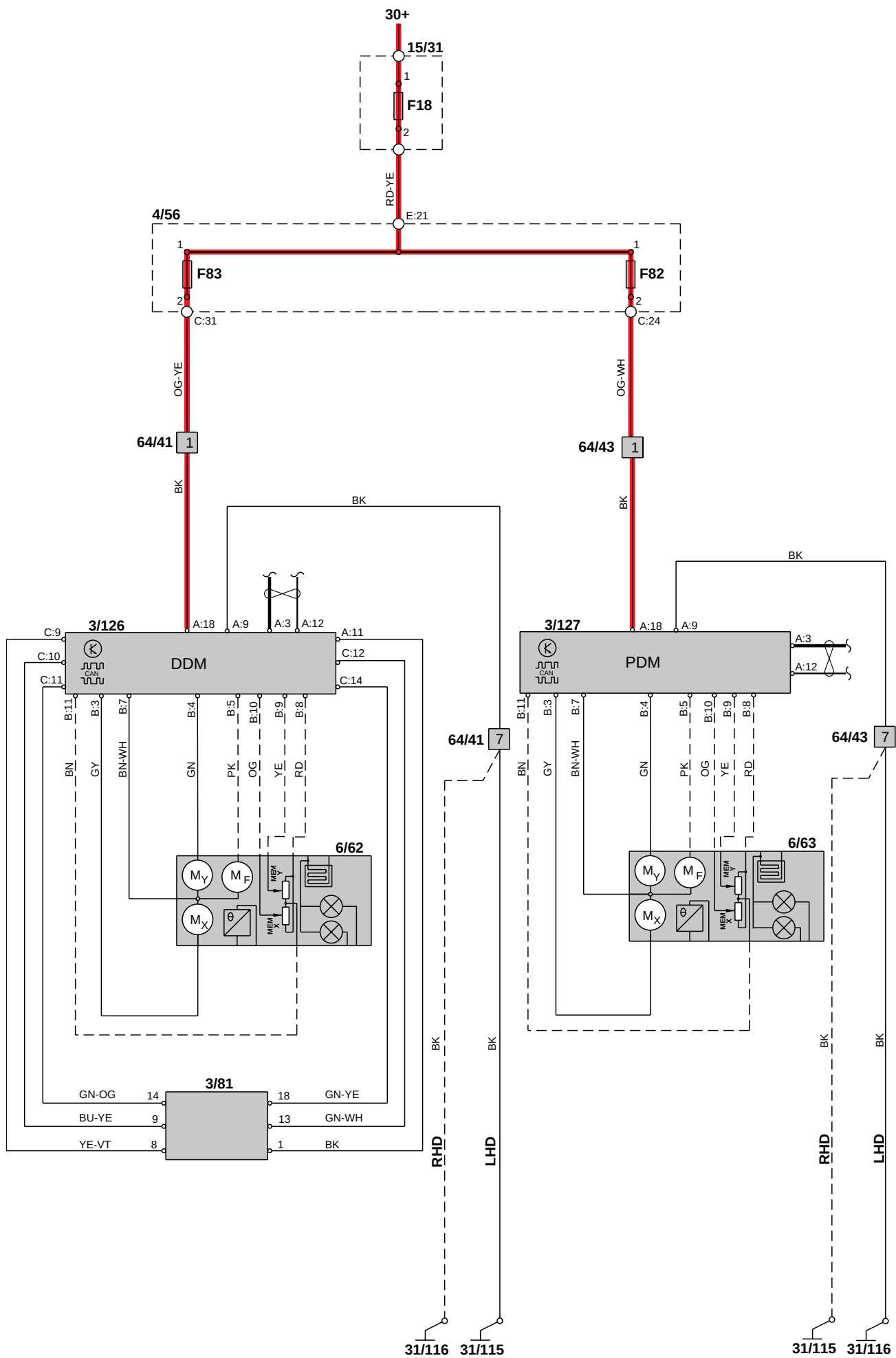


Group 83 Doors and openings

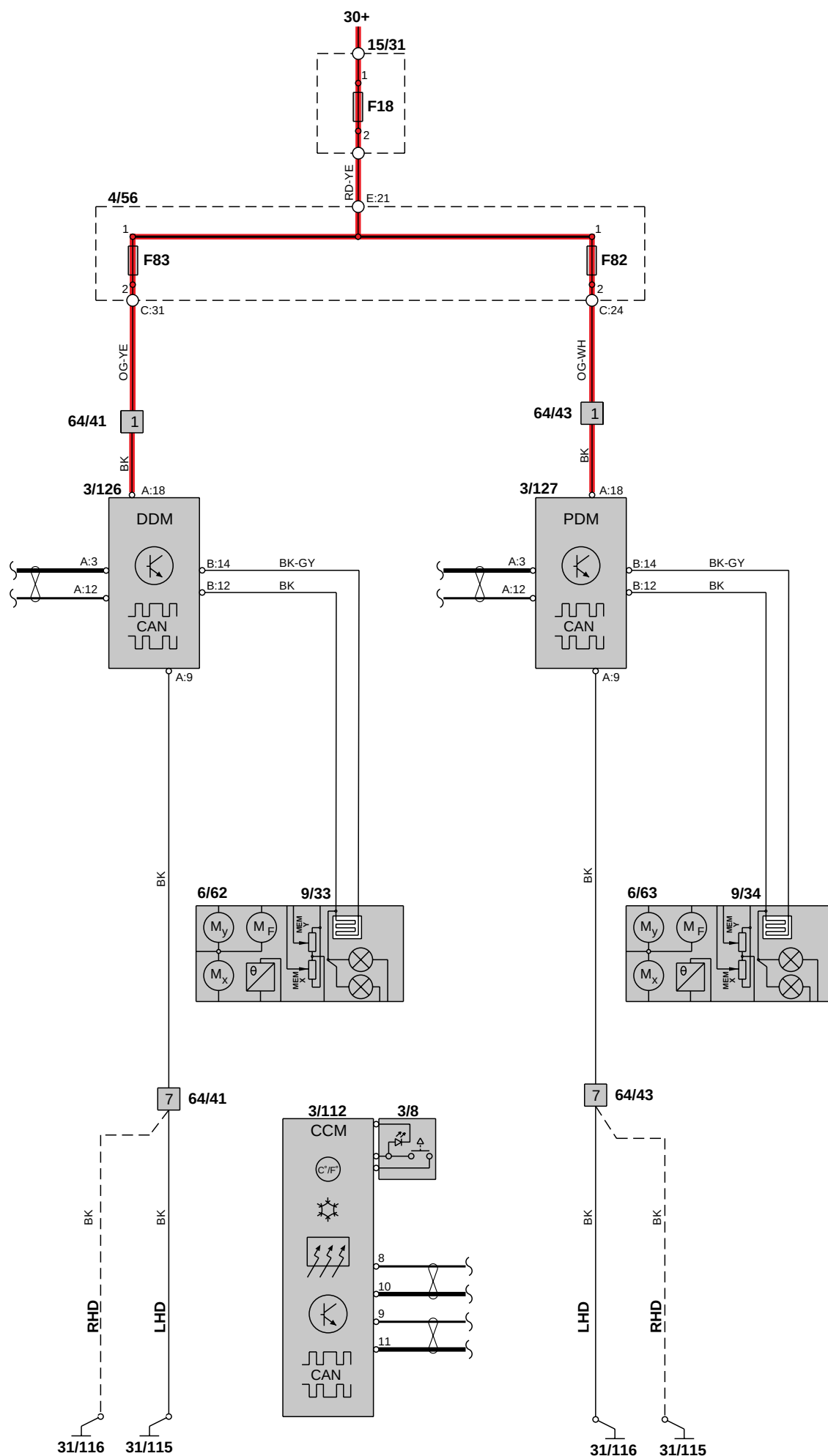
Power sunroof



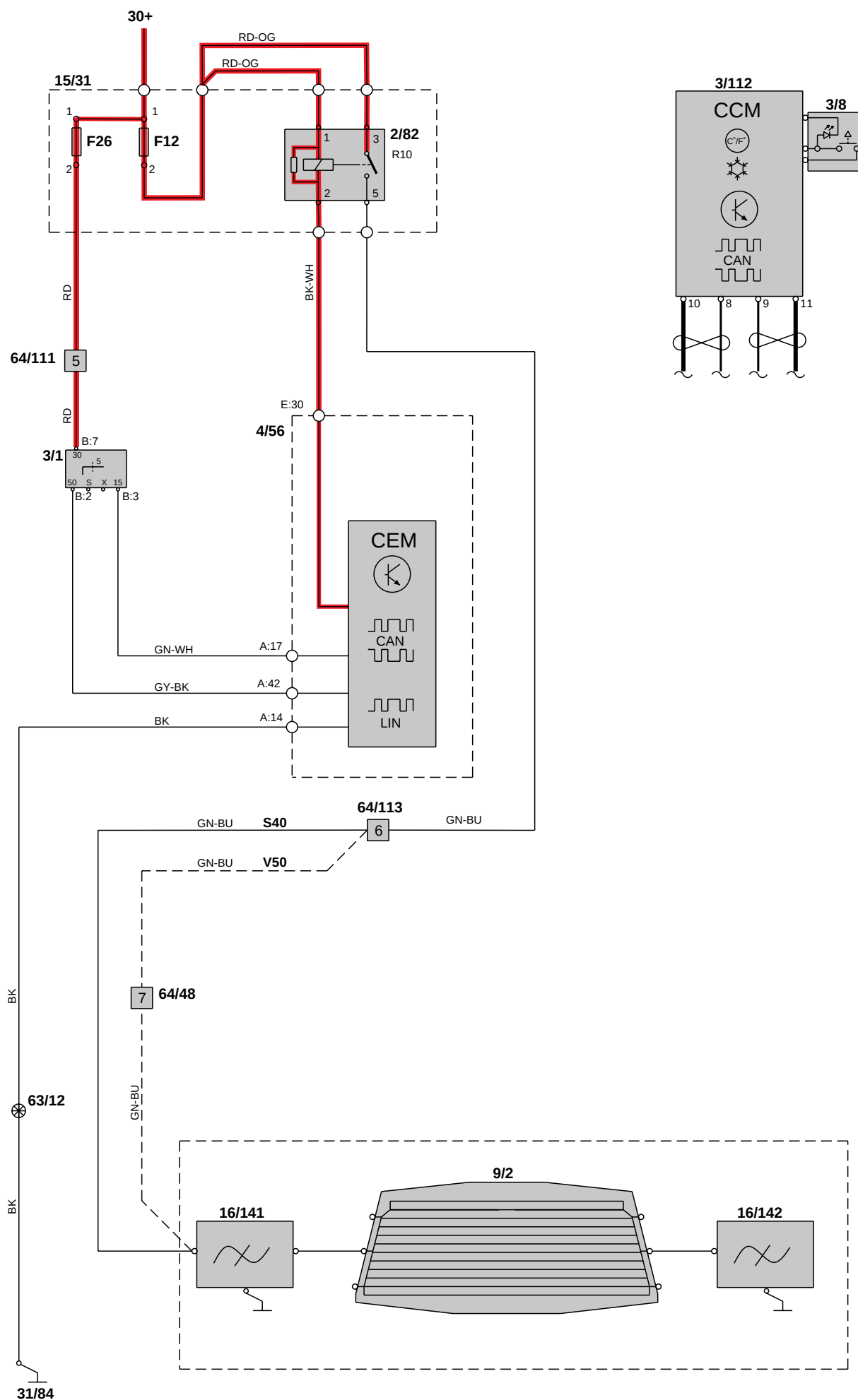
Group 84 Exterior decorative elements etc.
Power door mirrors



Group 84 Exterior decorative elements etc. Heated door mirrors

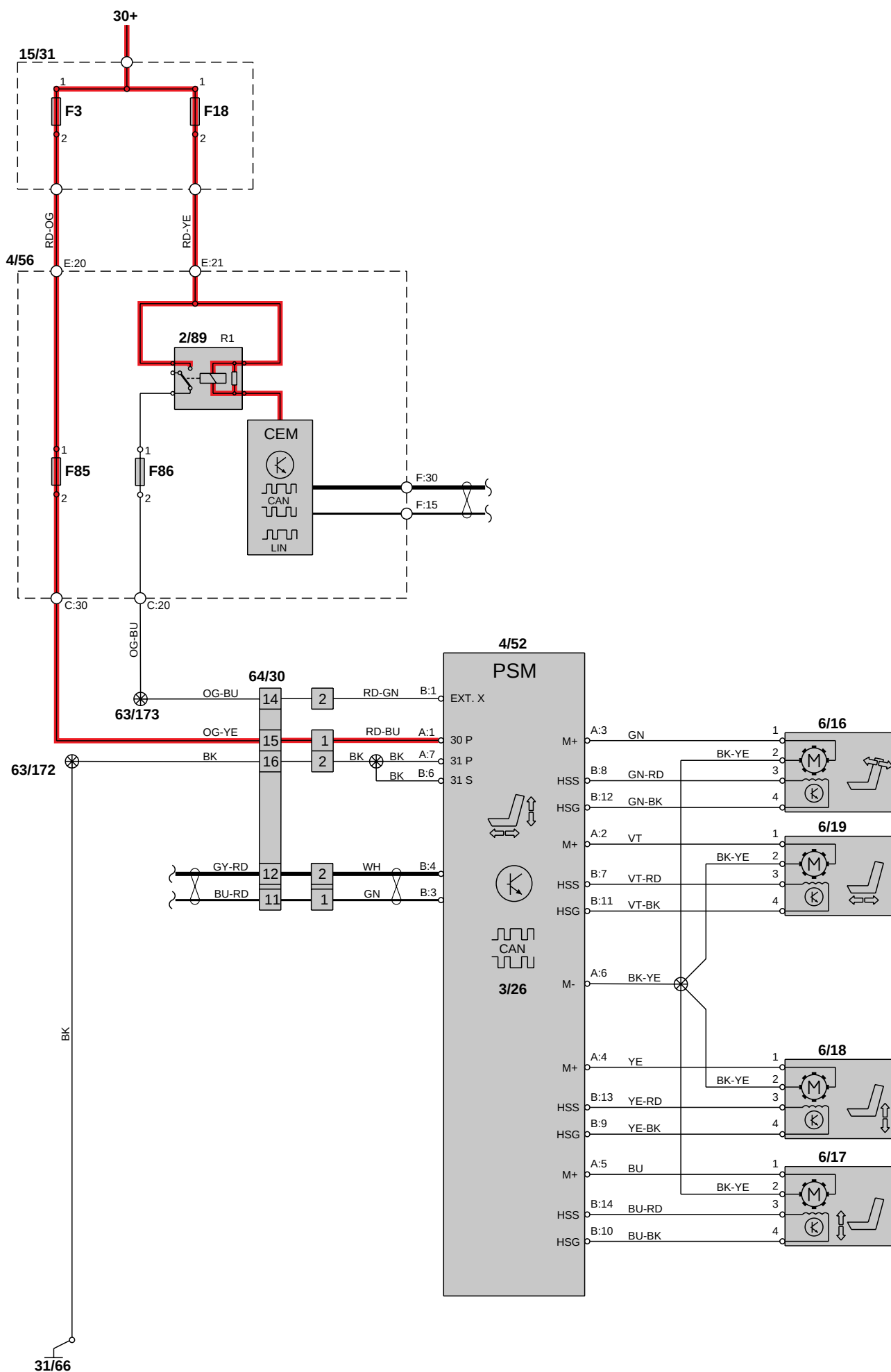


Group 84 Exterior decorative elements etc. Heated rear window



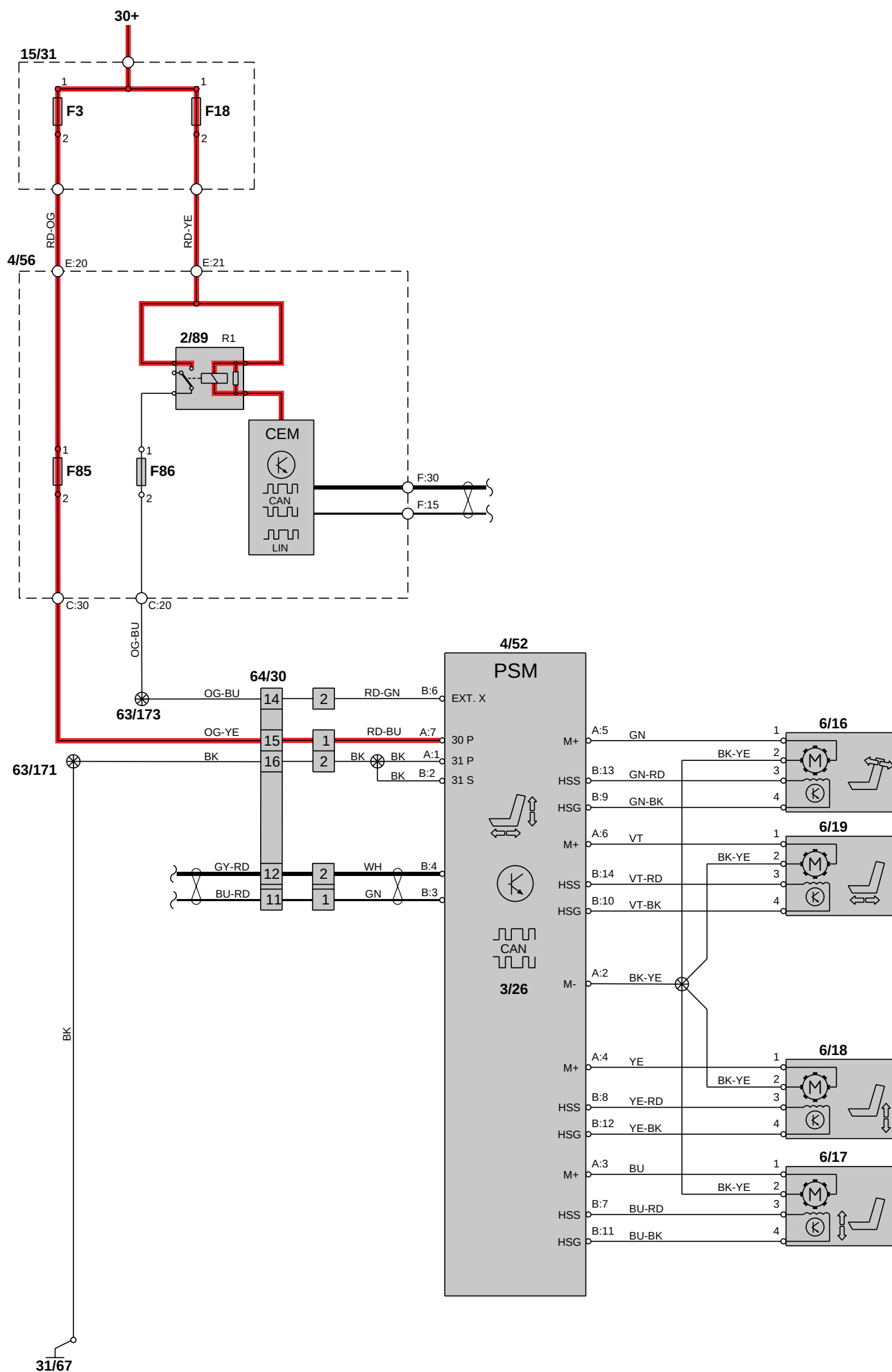
Group 85 Interior equipment

Power driver's seat with memory function, left



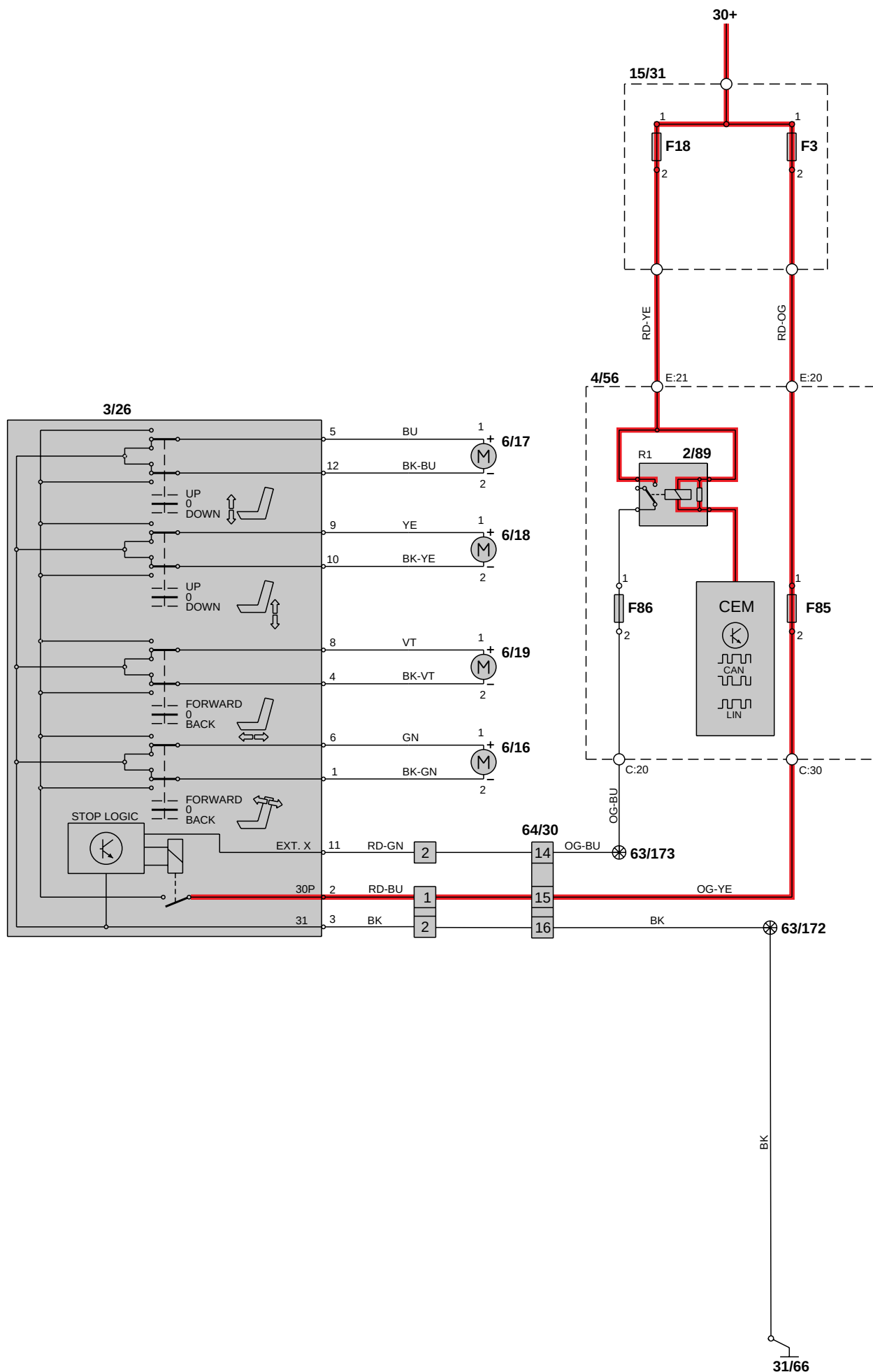
Group 85 Interior equipment

Power driver's seat with memory function, right



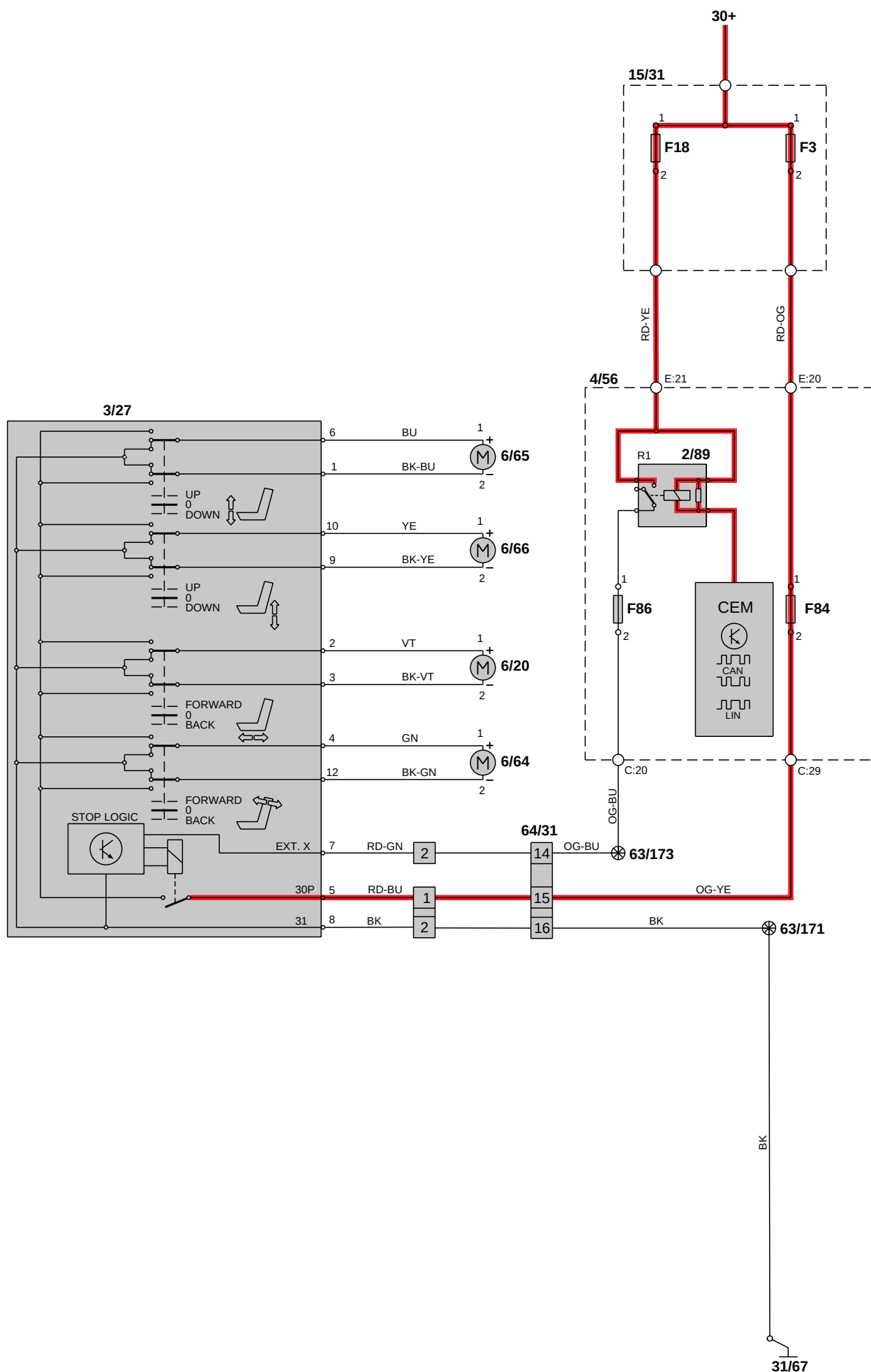
Group 85 Interior equipment

Power seat, LHD left

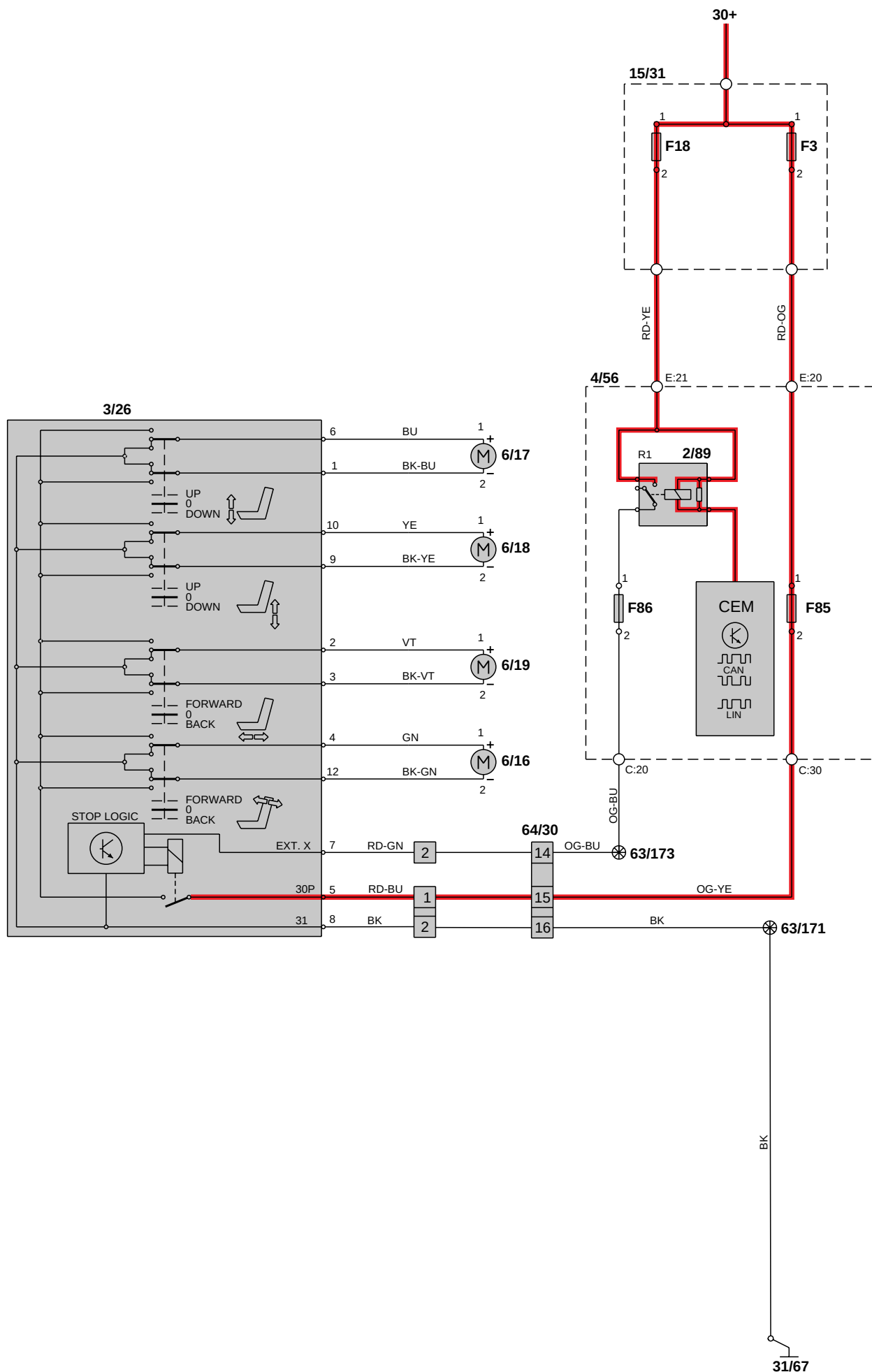


Group 85 Interior equipment

Power seat, LHD right

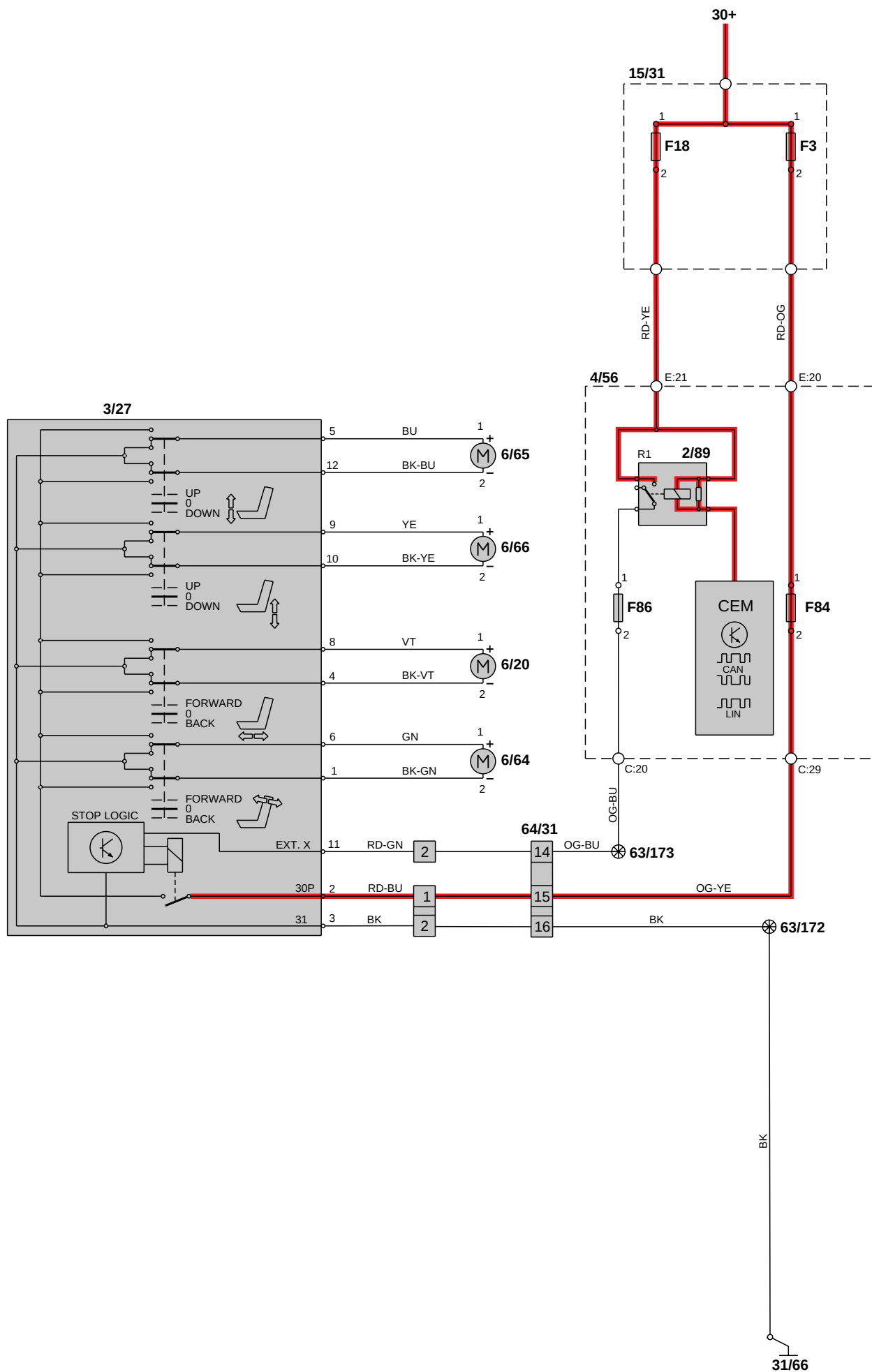


Group 85 Interior equipment Power seat, RHD right



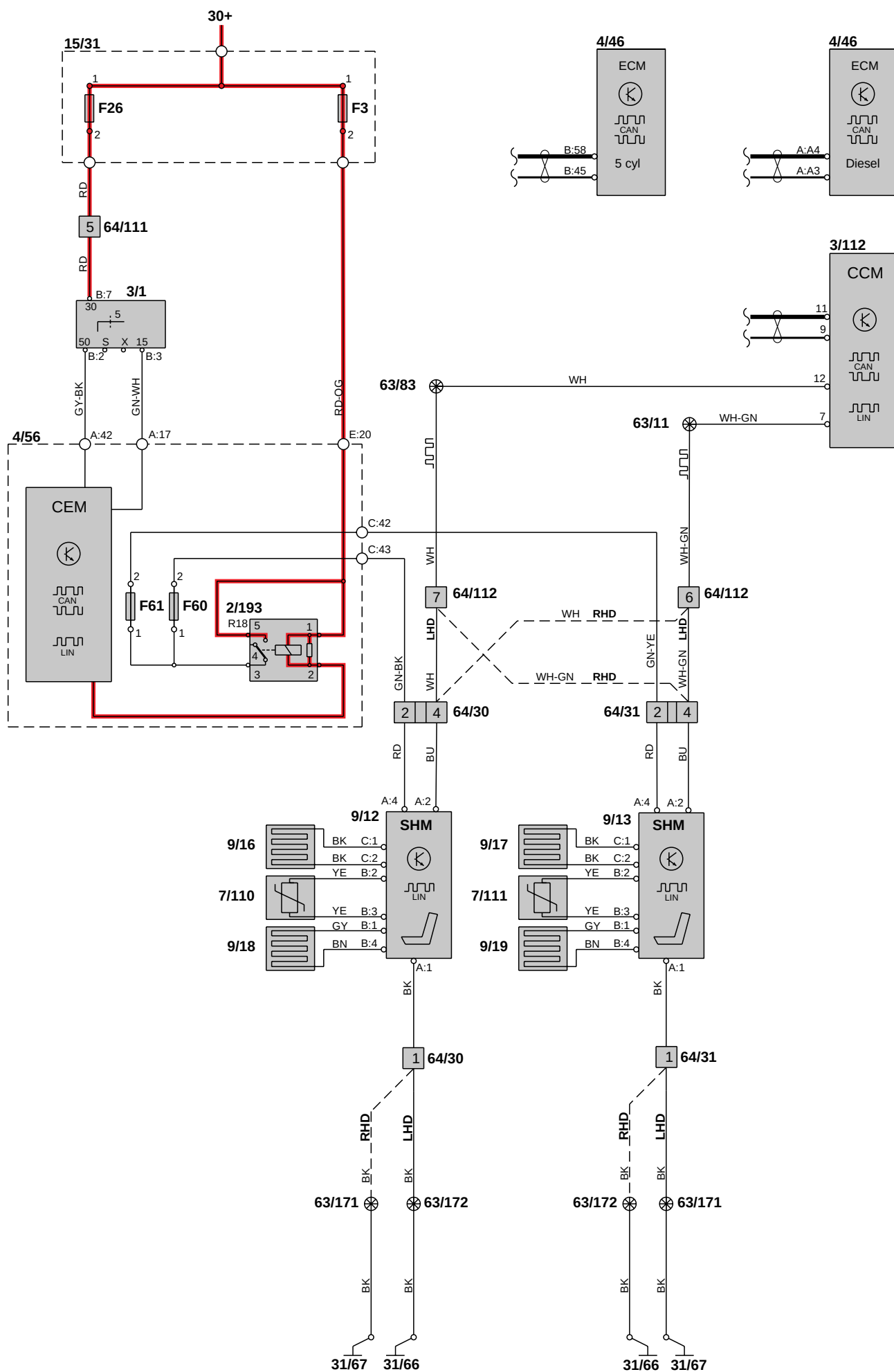
Group 85 Interior equipment

Power seat, RHD left



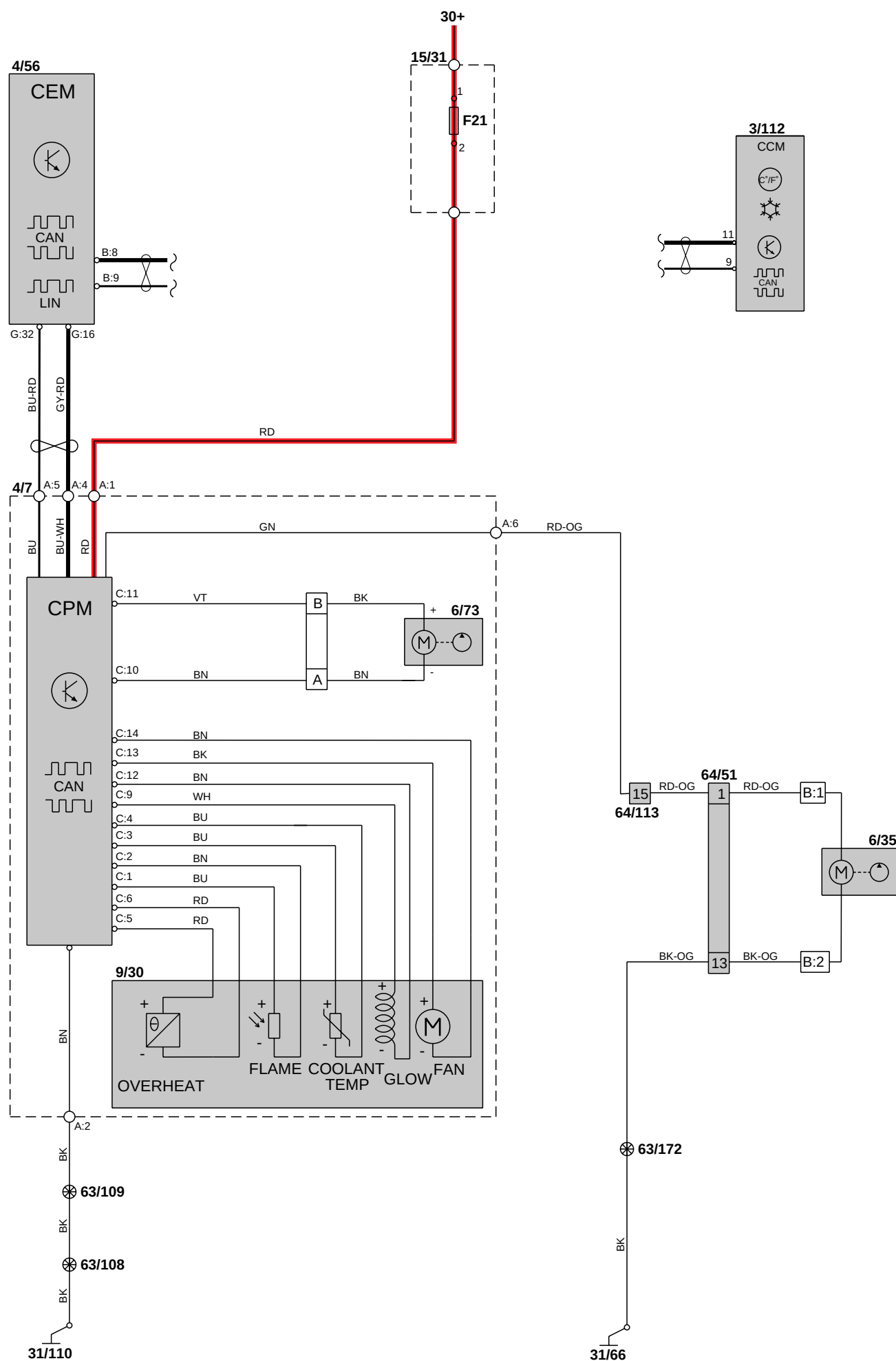
Group 85 Interior equipment

Heated seats



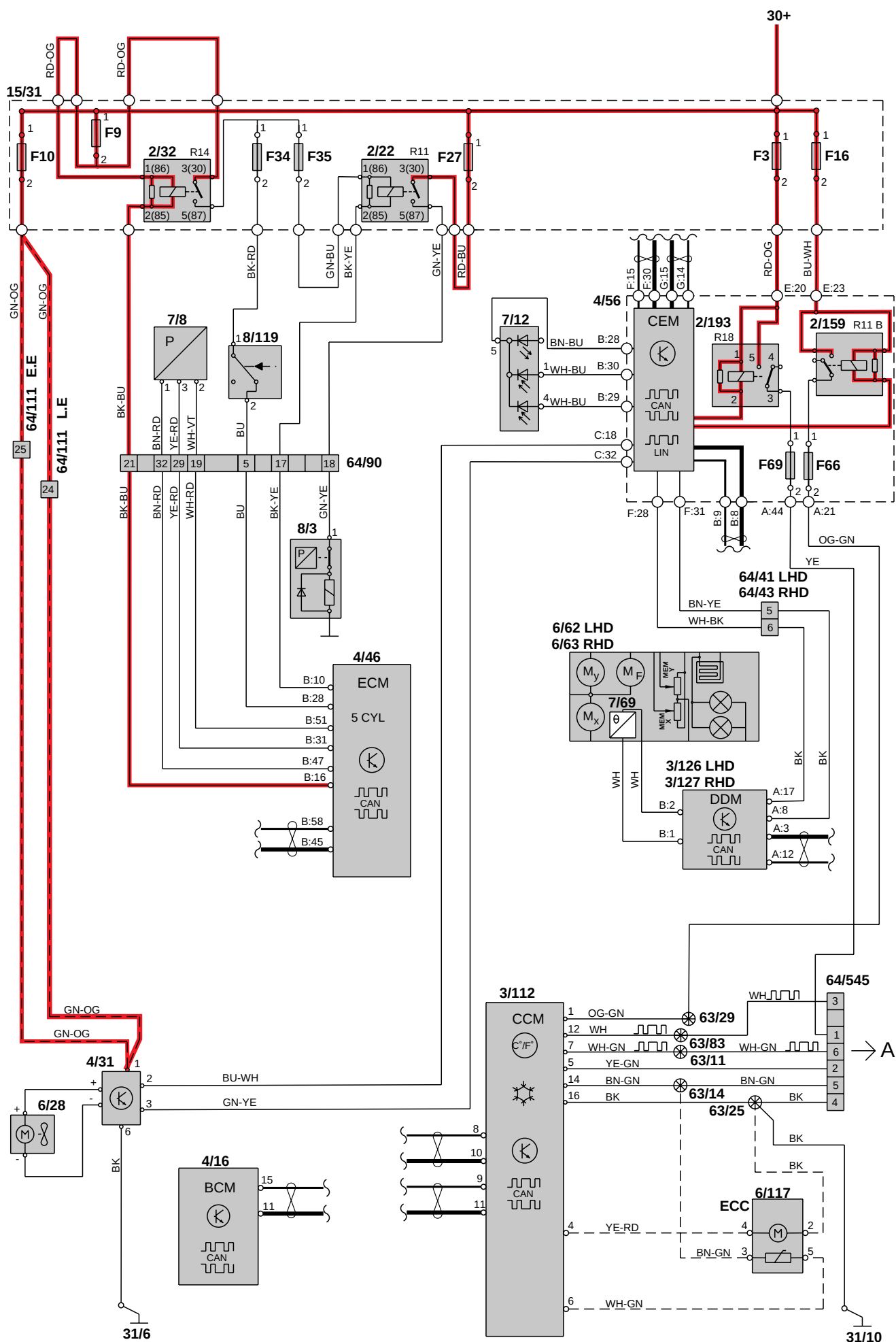
Group 87 Climate controls

Parking heater, auxiliary heater



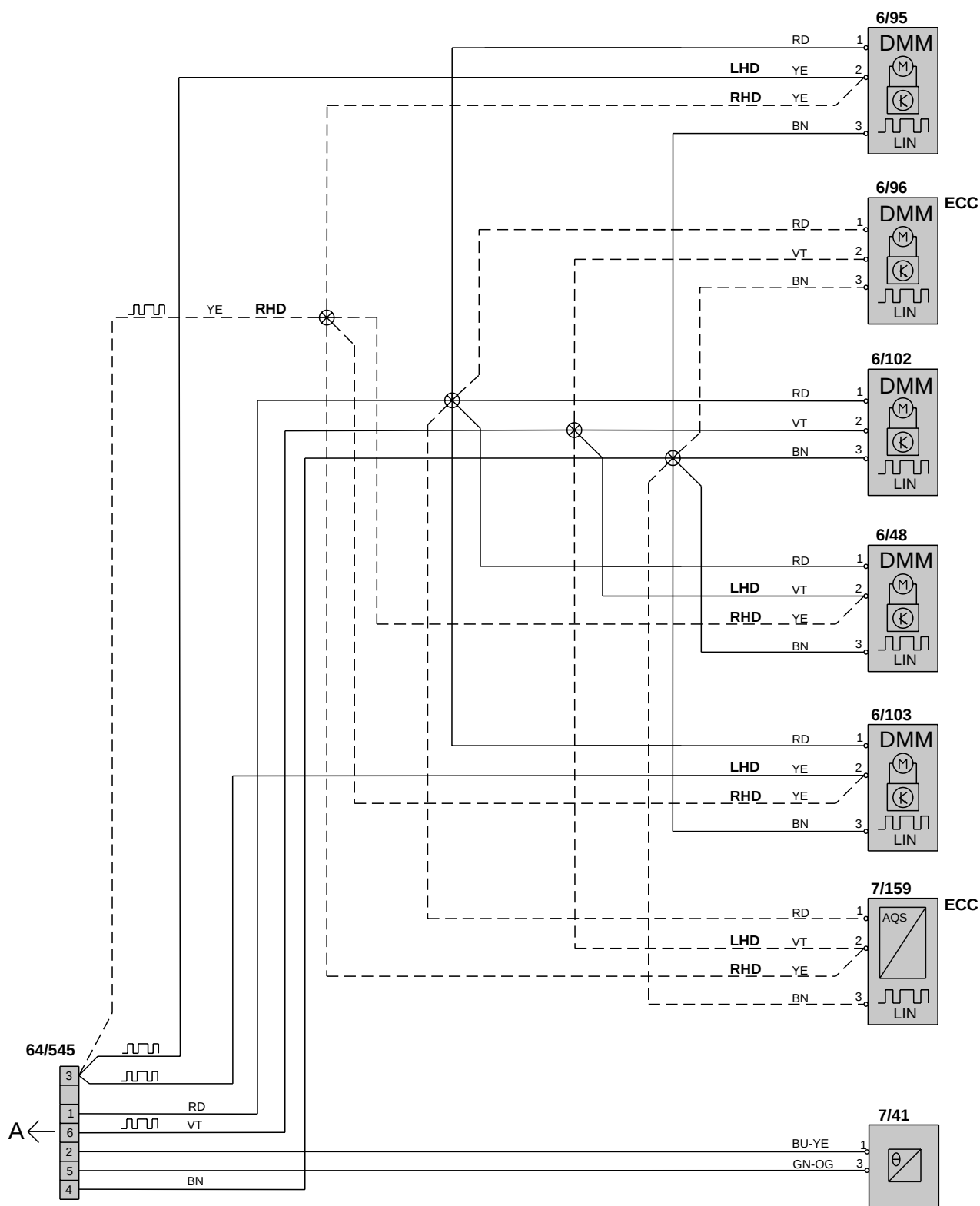
Group 87 Climate controls

Climate control system 1:2



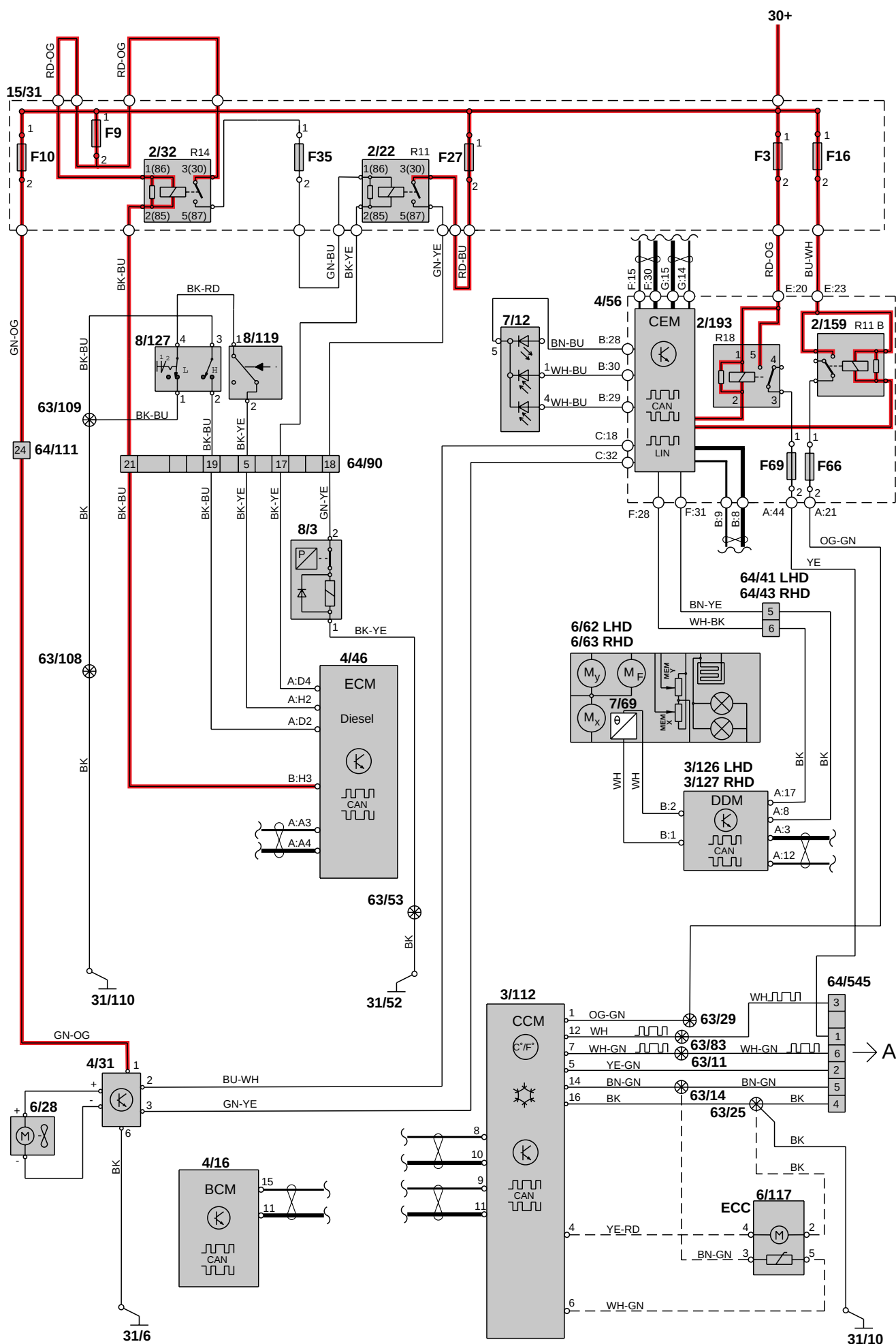
Group 87 Climate controls

Climate control system 2:2



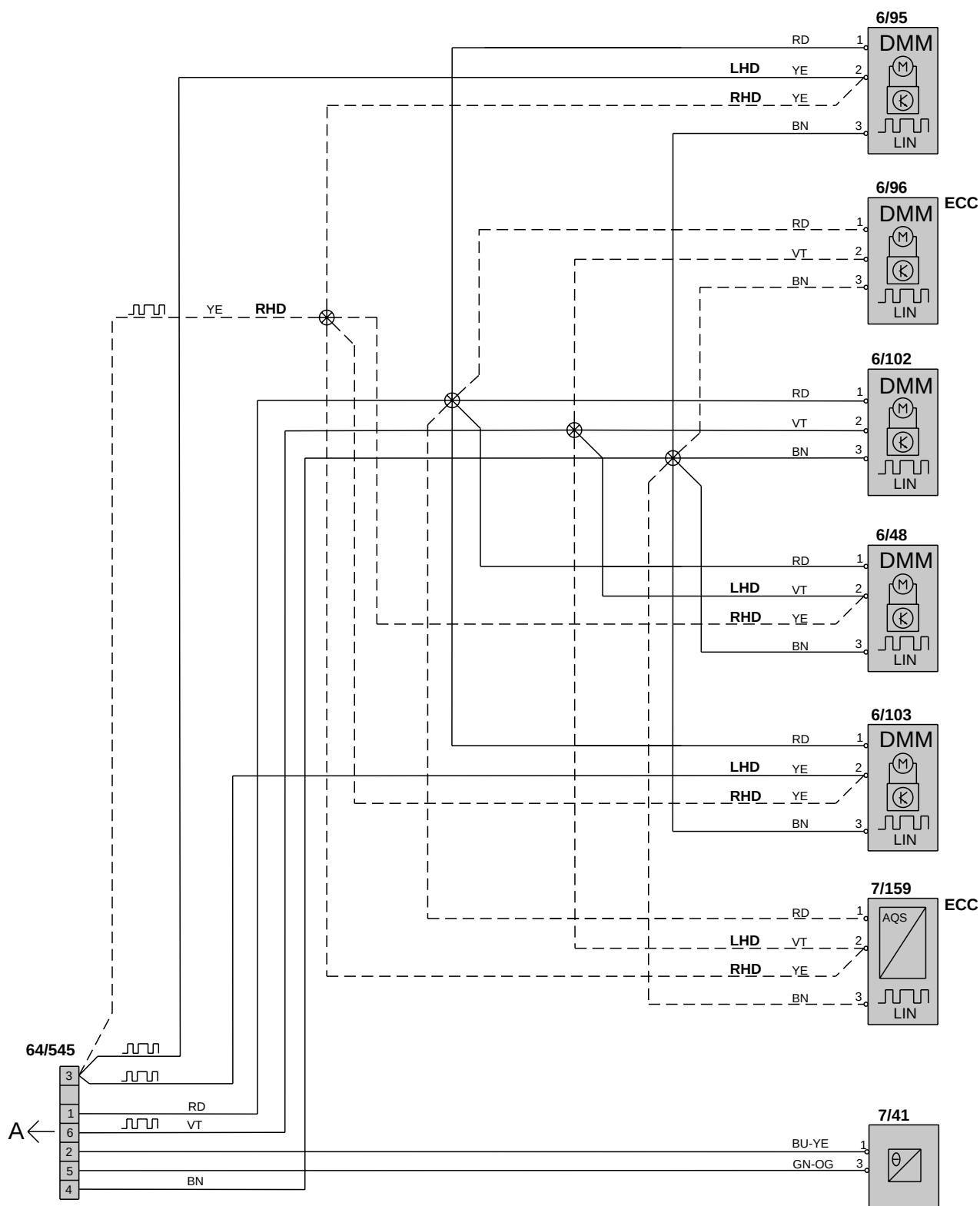
Group 87 Climate controls

Climate control system, Diesel 1:2

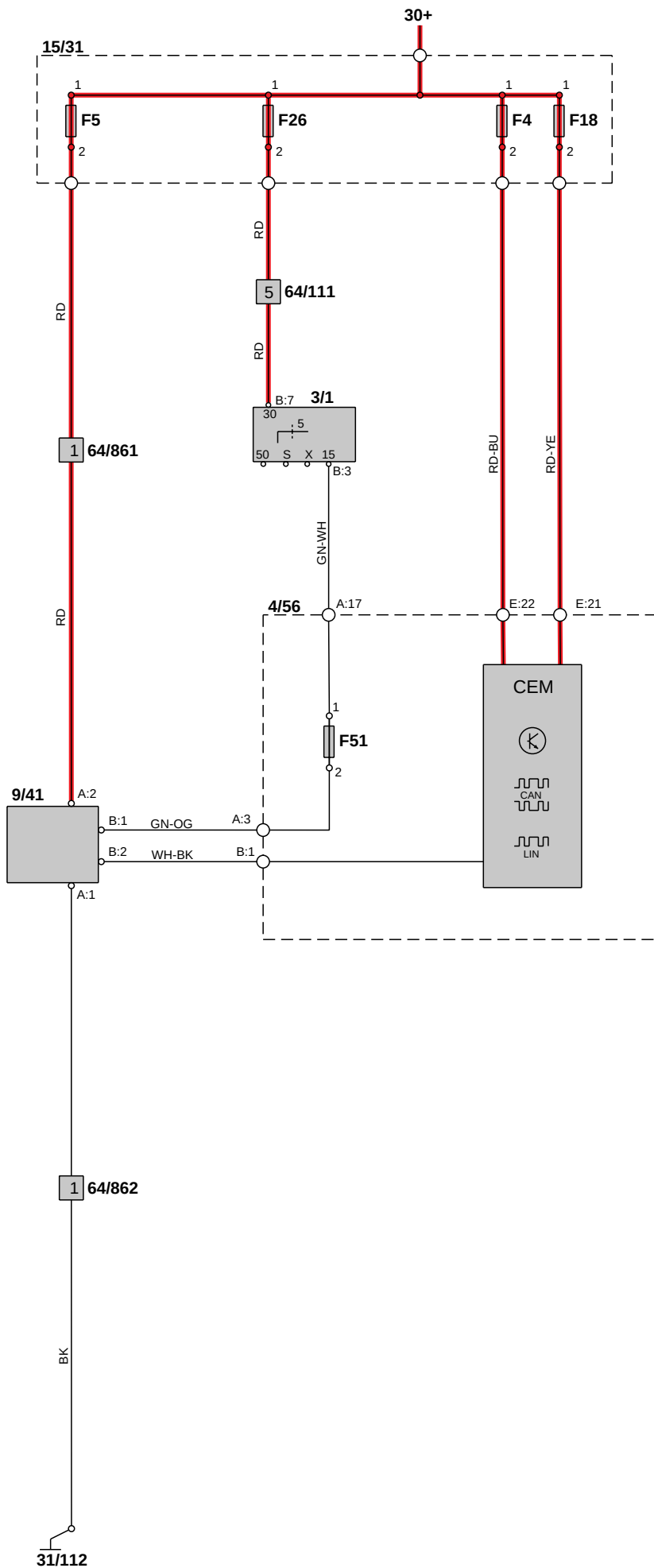


Group 87 Climate controls

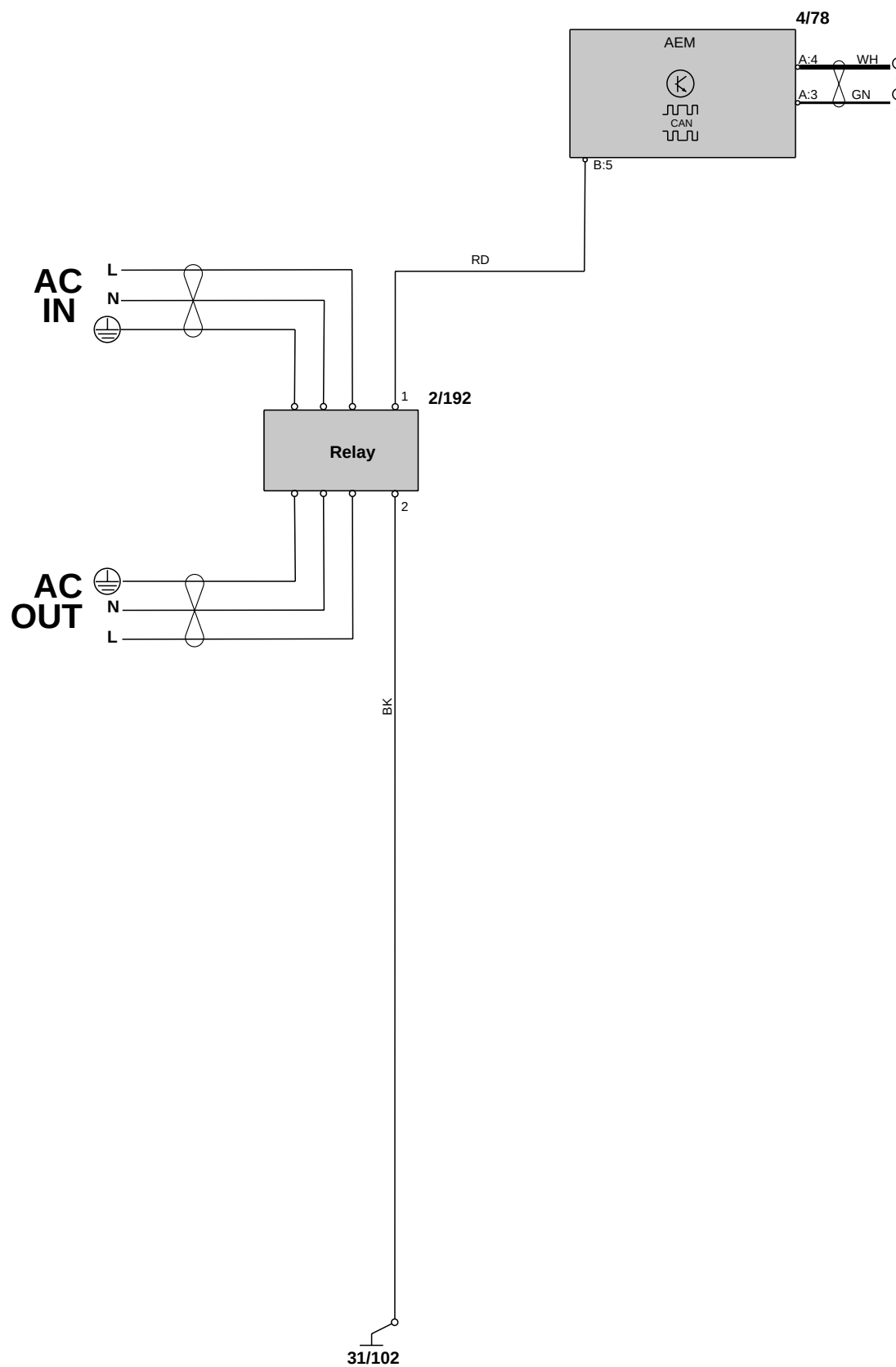
Climate control system, Diesel 2:2



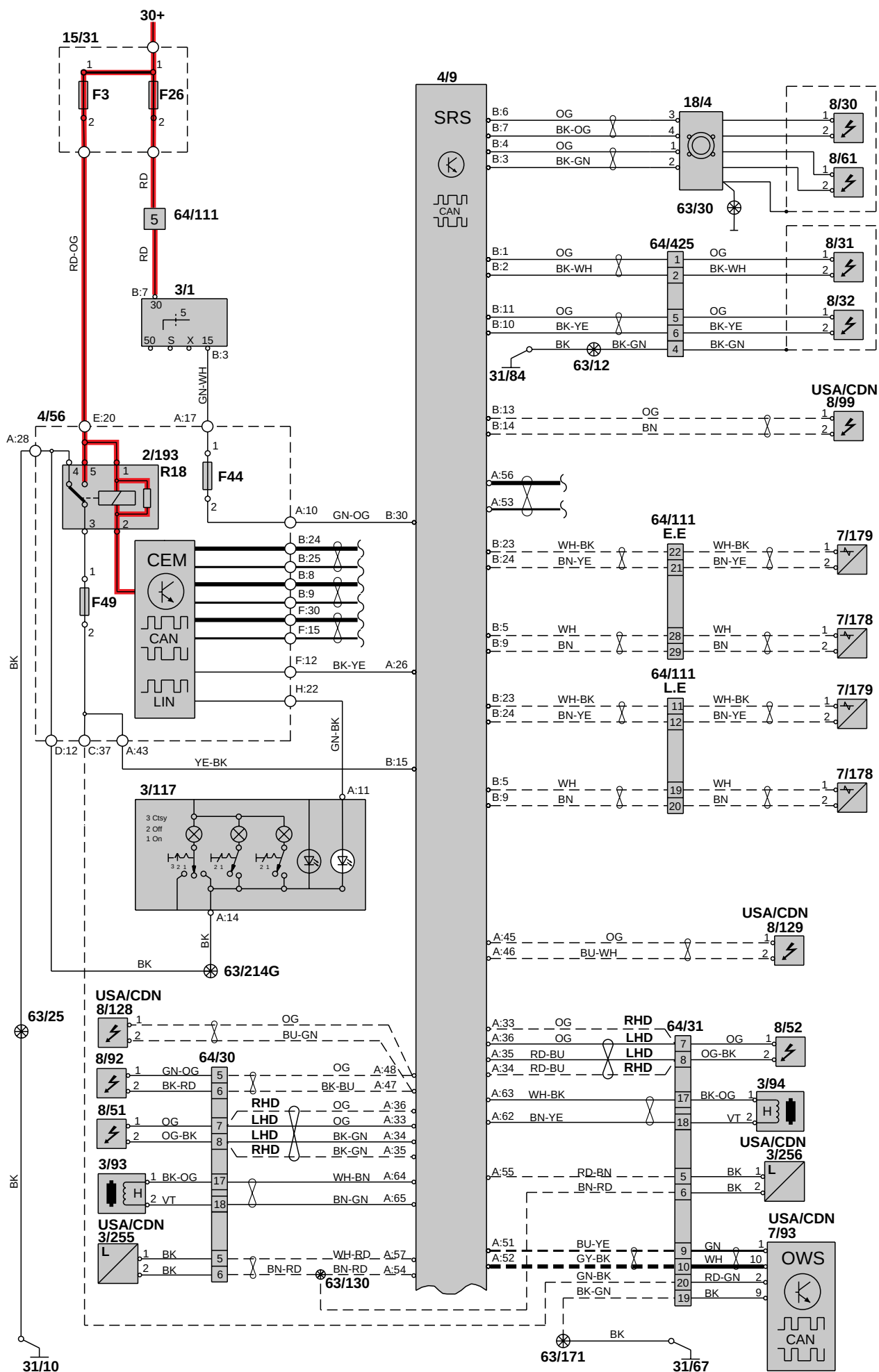
Climate control system PTC element



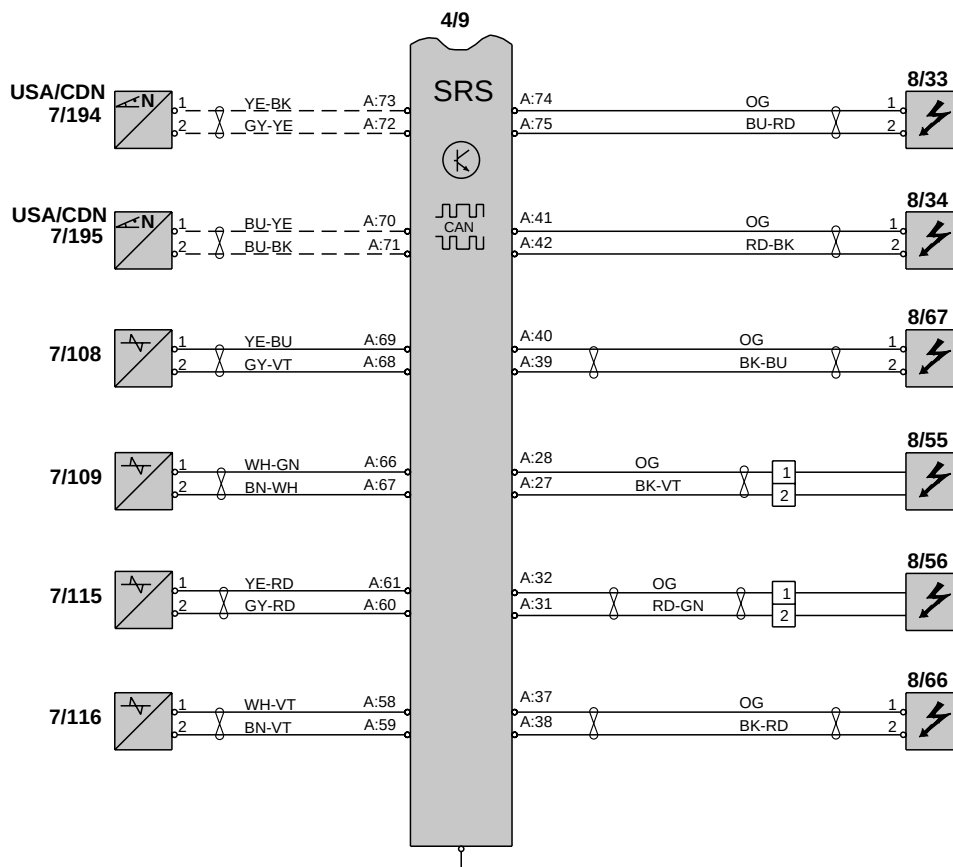
Group 87 Climate controls, Accessories Relay, electric engine heater



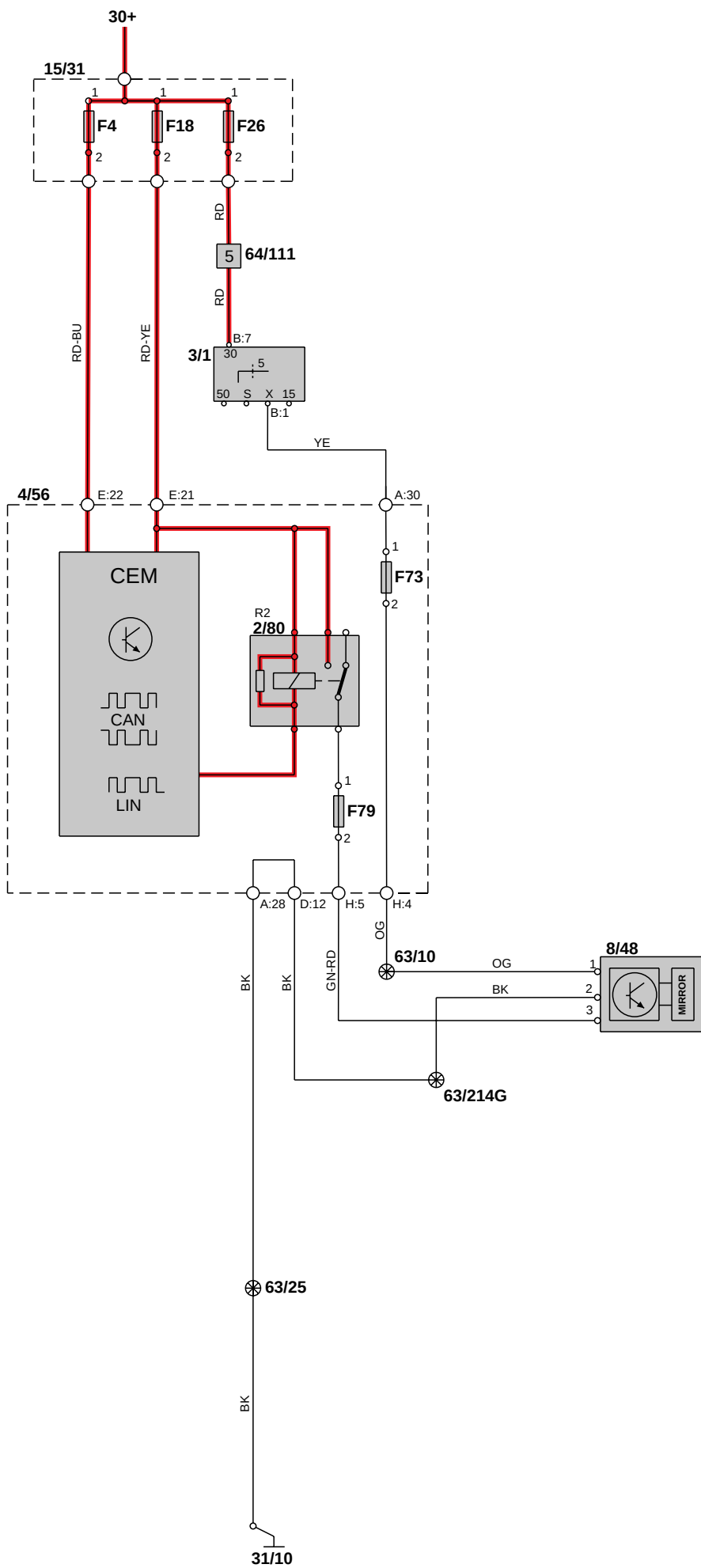
**Group 88 Internal equipment
Supplemental Restraint System (SRS) 1:2**



Group 88 Internal equipment Supplemental Restraint System (SRS) 2:2



Rearview mirror with Auto-dimming



Connectors

64/12 - 64/18

64/12 12-pin gray

No.	Dashboard harness			Infotainment harness		
1	63/12	Junction point	BK-BU	63/25G 16/60A:6 16/93:1	Junction point, Multimedia Module (MMM) Phone Module (PHM) Control module, cellular phone handsfree, accessories	BK-BU BN
2	4/56A:9	Central Electronic Module (CEM)	RD-YE	63/27	Junction point	RD-YE
3	63/29G	Junction point	OG-YE	63/28 16/93:2 16/93:5	Junction point Control module, cellular phone handsfree, accessories Control module, cellular phone handsfree, accessories	OG-YE VT VT-WH
4	4/56A:8	Central Electronic Module (CEM)	RD-OG	16/60A:5	Phone Module (PHM)	RD-OG
5	4/56B:24	Central Electronic Module (CEM)	GY-OG	16/60A:12	Phone Module (PHM)	GY-OG
6	4/56B:25	Central Electronic Module (CEM)	BU-BK	16/60A:11	Phone Module (PHM)	BU-BK
7	16/1A:5	Infotainment Control Module (ICM)	BK	7/182:3	Remote control IR sensor, RTI	BK
8	16/1A:6	Infotainment Control Module (ICM)	GN-OG	7/182:2	Remote control IR sensor, RTI	GN-OG
9	-		-	-		-
10	4/56A:33	Central Electronic Module (CEM)	GY-VT	16/60A:17	Phone Module (PHM)	GY-VT
11	-		-	-		-
12	-		-	-		-

64/18 2-pin white

No.	Floor harness			Tuner harness		
1	16/16:1	Window antenna amplifier	BK	16/49A:1	Traffic Message Channel Module (TMC)	BK
2	16/16:2	Window antenna amplifier	BK	16/94A:2	AM/FM Tuner Module (AFM)	BK

Connectors

64/25G - 64/30:1-8

64/25G 10-pin gray

No.	Dashboard harness			Tunnel harness		
1	4/56A:23	Central Electronic Module (CEM)	GY	63/87	Junction point	GY
2	63/25	Junction point	BK	63/86	Junction point	BK
3	63/15	Junction point	OG-BU	3/95:1	Spin control switch	OG-BU
4	3/112:2	Climate Control Module (CCM)	YE-RD	3/95:3	Spin control switch	YE-RD
5	3/112:3	Climate Control Module (CCM)	YE-GN	3/95:2	Spin control switch	YE-GN
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-

64/30 20-pin black

No.	Floor harness			Driver's seat harness		
1	63/172 63/171	Junction point Junction point, RHD	BK	9/12A:1	Seat Heater Module (SHM), driver's side	BK
2	4/56C:43	Central Electronic Module (CEM)	GN-BK	9/12A:4	Seat Heater Module (SHM), driver's side	RD
3	-	-	-	-	-	-
4	64/112:7 64/112:6	Connector Connector, RHD	WH	9/12A:2	Seat Heater Module (SHM), driver's side	BU
5	4/9A:48 4/9A:57	Supplemental Restraint System Module (SRS) Supplemental Restraint System Module (SRS), USA/CDN	OG WH-RD	8/92:1 3/255:1	Driver's lap belt tensioner Position sensor, driver's seat, USA/CDN	GN-OG BK
6	4/9A:47 63/130	Supplemental Restraint System Module (SRS) Junction point, USA/CDN	BK-BU BN-RD	8/92:2 3/255:2	Driver's lap belt tensioner Position sensor, driver's seat, USA/CDN	BK-RD BK
7	4/9A:33 4/9A:36	Supplemental Restraint System Module (SRS) Supplemental Restraint System Module (SRS), RHD	OG	8/51:1	Side airbag igniter, driver's side	OG
8	4/9A:34 4/9A:35	Supplemental Restraint System Module (SRS) Supplemental Restraint System Module (SRS), RHD	BK-GN	8/51:2	Side airbag igniter, driver's side	OG-BK
continues						

Connectors

64/30:9-20

64/30
20-pin black

No.	Floor harness		Driver's seat harness		
9	-	-	-	-	-
10	-	-	-	-	-
11	63/221	Junction point	BU-RD	4/52B:3 Power Seat Module (PSM)	GN
12	63/220	Junction point	GY-RD	4/52B:4 Power Seat Module (PSM)	WH
13	-	-	-	-	-
14	63/173	Junction point	OG-BU	3/26:11 Switch unit, power driver's seat 3/26:7 Switch unit, power driver's seat 4/52B:1 Power Seat Module (PSM), memory 4/52B:6 Power Seat Module (PSM), memory RHD	RD-GN
15	4/56C:30	Central Electronic Module (CEM)	OG-YE	3/26:2 Switch unit, power driver's seat 3/26:5 Switch unit, power driver's seat RHD 4/52A:1 Power Seat Module (PSM), memory 4/52A:7 Power Seat Module (PSM), memory RHD	RD-BU
16	63/172 63/171	Junction point Junction point, RHD	BK	3/26:3 Switch unit, power driver's seat 3/26:8 Switch unit, power driver's seat RHD 4/52A:7 Power Seat Module (PSM), memory 4/52B:6 Power Seat Module (PSM), memory 4/52A:1 Power Seat Module (PSM), memory RHD 4/52B:2 Power Seat Module (PSM), memory RHD	BK
17	4/9A:64	Supplemental Restraint System Module (SRS)	WH-BN	3/93:1 Belt buckle contact, driver's seat	BK-OG
18	4/9A:65	Supplemental Restraint System Module (SRS)	BN-GN	3/93:2 Belt buckle contact, driver's seat	VT
19	-	-	-	-	-
20	-	-	-	-	-

Connectors

64/31

64/31

20-pin black

No.	Floor harness			Passenger seat harness		
1	63/171 63/172	Junction point Junction point, RHD	BK	9/13A:1	Seat Heater Module (SHM), passenger side	BK
2	4/56C:42	Central Electronic Module (CEM)	GN-YE	9/13A:4	Seat Heater Module (SHM), passenger side	RD
3	-		-	-		-
4	64/112:6 64/112:7	Connector Connector, RHD	WH-GN	9/13A:2	Seat Heater Module (SHM), passenger side	BU
5	4/9A:55	Supplemental Restraint System Module (SRS)	RD-BN	3/256:1	Position sensor, passenger seat, USA/CDN	BK
6	63/130	Junction point	BN-RD	3/256:2	Position sensor, passenger seat, USA/CDN	BK
7	4/9A:36 4/9A:33	Supplemental Restraint System Module (SRS) Supplemental Restraint System Module (SRS), RHD	OG	8/52:1	Side airbag igniter, passenger side	OG
8	4/9A:35 4/9A:34	Supplemental Restraint System Module (SRS) Supplemental Restraint System Module (SRS), RHD	RD-BU	8/52:2	Side airbag igniter, passenger side	OG-BK
9	4/9A:51	Supplemental Restraint System Module (SRS)	BU-YE	7/93:1	Occupant Weight Sensor (OWS), USA/CDN	GN
10	4/9A:52	Supplemental Restraint System Module (SRS)	GY-BK	7/93:10	Occupant Weight Sensor (OWS), USA/CDN	WH
11	4/56F:17	Central Electronic Module (CEM)	YE-RD	3/46:1	Seat contact, passenger seat	WH
12	4/56F:13	Central Electronic Module (CEM)	BN-RD	3/46:2	Seat contact, passenger seat	WH
13	-		-	-		-
14	63/173	Junction point	OG-BU	3/27:7 3/27:11	Switch unit, power passenger seat Switch unit, power passenger seat, RHD	RD-GN
15	4/56C:29	Central Electronic Module (CEM)	OG-YE	3/27:5 3/27:2	Switch unit, power passenger seat Switch unit, power passenger seat, RHD	RD-BU
16	63/171 63/172	Junction point Junction point, RHD	BK	3/27:8 3/27:3	Switch unit, power passenger seat Switch unit, power passenger seat, RHD	BK
17	4/9A:63	Supplemental Restraint System Module (SRS)	WH-BK	3/94:1	Belt buckle contact, passenger seat	BK-OG
18	4/9A:62	Supplemental Restraint System Module (SRS)	BN-YE	3/94:2	Belt buckle contact, passenger seat	VT
19	63/171	Junction point	BK-GN	7/93:9	Occupant Weight Sensor (OWS)	BK
20	4/56C:37	Central Electronic Module (CEM)	GN-BK	7/93:2	Occupant Weight Sensor (OWS)	RD-GN

Connectors

64/40 - 64/41

64/40

1-pin violet

No.	Infotainment harness			Antenna harness, cellular phone		
1	16/60C:1	Phone Module (PHM)	BK	16/64:1	Antenna, cellular phone	BK

64/41

14-pin gray

No.	Driver's door harness			Floor harness		
1	3/126A:18	Driver's Door Module (DDM)	BK	4/56C:31	Central Electronic Module (CEM)	OG-YE
2	3/74:4	Lock unit, driver's door	BK	4/56F:19	Central Electronic Module (CEM)	BK-YE
3	3/126A:3	Driver's Door Module (DDM)	WH	63/220	Junction point	GY-RD
4	3/126A:12	Driver's Door Module (DDM)	BK	63/221	Junction point	BU-RD
5	3/126A:8	Driver's Door Module (DDM), LHD	BK	4/56F:31	Central Electronic Module (CEM), LHD	BN-YE
6	3/126A:17	Driver's Door Module (DDM), LHD	BK	4/56F:28	Central Electronic Module (CEM), LHD	WH-BK
7	3/126A:9	Driver's Door Module (DDM)	BK	31/115 31/116	Ground connection Ground connection, RHD	BK
8	-	-	-	-	-	-
9	16/4:2	Speaker, driver's door	BK	16/105B:1 16/105B:3	Audio Module (AUD) Audio Module (AUD)	GY-BK
10	16/4:1	Speaker, driver's door	WH	16/105B:9 16/105B:11	Audio Module (AUD) Audio Module (AUD)	WH-BK
11	3/126A:13	Driver's Door Module (DDM)	BK	64/45:1 64/47:1	Connector Connector, RHD	WH-GN
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-

Connectors

64/43 - 64/45:1-3

64/43 14-pin gray

No.	Passenger door harness			Floor harness		
1	3/127A:18	Passenger Door Module (PDM)	BK	4/56C:24	Central Electronic Module (CEM)	OG-WH
2	3/75:4	Lock unit, passenger door	BK	4/56F:18	Central Electronic Module (CEM)	BK-BU
3	3/127A:3	Passenger Door Module (PDM)	WH	63/228 4/56F:30	Junction point Central Electronic Module (CEM)	GY-RD
4	3/127A:12	Passenger Door Module (PDM)	BK	63/229 4/56F:15	Junction point Central Electronic Module (CEM)	BU-RD
5	3/127A:8	Passenger Door Module (PDM), RHD	BK	4/56F:31	Central Electronic Module (CEM), RHD	BN-YE
6	3/127A:17	Passenger Door Module (PDM), RHD	BK	4/56F:28	Central Electronic Module (CEM), RHD	WH-BK
7	3/127A:9	Passenger Door Module (PDM)	BK	31/116 31/115	Ground connection Ground connection, RHD	BK
8	-	-	-	-	-	-
9	16/3:2	Speaker, passenger door	BK	16/105B:3 16/105B:1	Audio Module (AUD) Audio Module (AUD), RHD	GY-RD
10	16/3:1	Speaker, passenger door	WH	16/105B:11 16/105B:9	Audio Module (AUD) Audio Module (AUD), RHD	WH-RD
11	3/127A:13	Passenger Door Module (PDM)	BK	64/47:1 64/45:1	Connector Connector, RHD	WH-GN
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-

64/45 19-pin black

No.	Left rear door harness			Floor harness		
1	3/128:6	Left Rear Door Module (LDM)	BK	64/41:11 64/43:11	Connector Connector, RHD	WH-GN
2	3/76:4	Lock unit, left rear door	BK	4/56F:21	Central Electronic Module (CEM)	BK-OG
3	3/128:18	Left Rear Door Module (LDM)	BK	4/56C:21	Central Electronic Module (CEM)	OG-BU

Connectors

64/45:4-19 - 64/47:1-6

64/45

19-pin black

No.	Right rear door harness		Floor harness	
4	-	-	-	-
5	-	-	-	-
6	63/192A Junction point	BK	63/172 Junction point	BK
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	16/6:2 Speaker, left rear door	BK	16/105B:4 Audio Module (AUD)	GY-WH
19	16/6:1 Speaker, left rear door	WH	16/105B:12 Audio Module (AUD)	WH-VT

64/47

19-pin black

No.	Right rear door harness		Floor harness	
1	3/129:6 Right Rear Door Module (RDM)	BK	64/43:11 Connector 64/41:11 Connector, RHD	WH-GN
2	3/77:4 Lock unit, right rear door	BK	4/56F:20 Central Electronic Module (CEM)	BK-BU
3	3/129:18 Right Rear Door Module (RDM)	BK	4/56C:27 Central Electronic Module (CEM)	OG-WH
4	-	-	-	-
5	-	-	-	-
6	63/192 Junction point	BK	63/171 Junction point	BK

Connectors

64/47:7-19 - 64/48 S40

64/47

19-pin black

No.	Right rear door harness			Floor harness	
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	16/5:2	Speaker, right rear door	BK	16/105B:5 Audio Module (AUD)	GY
19	16/5:1	Speaker, right rear door	WH	16/105B:13 Audio Module (AUD)	WH

64/48 S40

8-pin gray

No.	Trunk lid/tailgate harness			Floor harness		
1	63/196	Junction point	BK	63/172	Junction point	BK
2	-		-	-		-
3	-		-	-		-
4	3/78:1	Lock unit, trunk lid/tailgate	WH-GN	4/56C:8	Central Electronic Module (CEM)	WH-GN
5	10/3:2	License plate lighting	OG-BK	4/56C:13	Central Electronic Module (CEM)	OG-BK
6	3/78:4	Lock unit, trunk lid/tailgate	BK-BU	10/24:4	Cargo compartment lighting	BK-BU
7	3/35:1	Switch, trunk/tailgate handle	BK-YE	4/56F:22	Central Electronic Module (CEM)	BK-YE
8	3/78:3	Lock unit, trunk lid/tailgate	BK-RD	4/56F:24	Central Electronic Module (CEM)	BK-RD

Connectors

64/48 V50 - 64/50

64/48 V50 14-pin gray

No.	Trunk lid/tailgate harness			Floor harness		
1	63/196	Junction point	BK	63/172	Junction point	BK
2	10/19:1	Auxiliary brake light	OG-YE	4/56C:7	Central Electronic Module (CEM)	OG-YE
3	6/32:1	Rear window wiper motor	GN-BU	4/56C:33	Central Electronic Module (CEM)	GN-BU
4	3/78:1	Lock unit, trunk lid/tailgate	WH-GN	4/56C:8	Central Electronic Module (CEM)	WH-GN
5	10/3:2	License plate lighting	OG-BK	4/56C:13	Central Electronic Module (CEM)	OG-BK
6	6/32:2	Rear window wiper motor	WH-RD	4/56C:34	Central Electronic Module (CEM)	WH-RD
7	16/141	Interference filter, rear window, left	GN-BU	64/113:6	Connector	GN-BU
8	3/78:3	Lock unit, trunk lid/tailgate	BK-RD	4/56F:24	Central Electronic Module (CEM)	BK-RD
9	-	-	-	-	-	-
10	3/35:1	Switch, trunk/tailgate handle	BK-YE	4/56F:22	Central Electronic Module (CEM)	BK-YE
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	10/25:2	Ceiling light, cargo compartment	OG-BU	63/173	Junction point	OG-BU
14	-	-	-	-	-	-

64/50 12-pin black

No.	Harness, angle sensor, Bi-Xenon, rear			Floor harness		
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	7/120:1	Angle sensor, Bi-Xenon, rear	BN	64/113:21 64/113:27	Connector, E.E Connector, L.E	BN
8	7/120:4	Angle sensor, Bi-Xenon, rear	WH	64/113:19	Connector	WH
9	7/120:5	Angle sensor, Bi-Xenon, rear	YE	64/113:20	Connector	YE
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-

Connectors

64/51 - 64/79V

64/51 14-pin gray

No.	Fuel tank harness			Floor harness		
1	6/35B:1	Fuel pump, auxiliary heater	RD-OG	64/113:15	Connector	RD-OG
2	-		-	-		-
3	6/33:2	Fuel pump	WH-RD	4/56F:5	Central Electronic Module (CEM)	WH-RD
4	-		-	-		-
5	6/33:4	Fuel pump	WH-BU	4/56F:7	Central Electronic Module (CEM)	WH-BU
6	-		-	-		-
7	4/83:2	Fuel pump control module	GN-WH	4/56C:16	Central Electronic Module (CEM)	GN-WH
8	4/83:3	Fuel pump control module	BK-OG	31/116 31/115	Ground connection Ground connection, RHD	BK-OG
9	6/67:3	Pump, fuel leakage control	YE-VT	64/113:10	Connector	YE-VT
10	6/67:2	Pump, fuel leakage control	WH-VT	64/113:11	Connector	WH-VT
11	6/67:1	Pump, fuel leakage control	BK-WH	64/113:12	Connector	BK-WH
12	6/67:4	Pump, fuel leakage control	GN-BU	64/113:13	Connector	GN-BU
13	6/35B:2	Fuel pump, auxiliary heater	BK-OG	63/172	Junction point	BK-OG
14	4/83:1	Fuel pump control module	WH-BK	64/113:7	Connector	WH-BK

64/79V Diesel 6-pin gray

No.	Engine compartment harness			Washer system harness		
1	2/92	Relay, windshield washer motor	WH-BK	6/2:1	Washer pump	WH-BK
2	2/182:5	Relay, headlight washer motor	GN-YE	6/104:1	Pump, high pressure headlight washer	GN-YE
3	63/109	Junction point	BK-BU	7/5:1	Washer fluid level sensor	BK-BU
4	2/93	Relay, rear window washer motor	YE-BK	6/2:2	Washer pump	YE-BK
5	63/108	Junction point	BK	6/104:2	Pump, high pressure headlight washer	BK
6	4/56G:28	Central Electronic Module (CEM)	BK-OG	7/5:2	Washer fluid level sensor	BK-OG

Connectors

64/90:1-20

64/90

41-pin black

No.	Engine harness			Engine compartment harness		
1	4/46B:45 4/46A:A3	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	BU-RD	63/223	Junction point	BU-RD
2	4/46B:E1	Engine Control Module (ECM), Diesel	BK-YE	4/109:8	Glow plug control module, Diesel	BK-YE
3	4/28A:11	Transmission Control Module (TCM)	GN-YE	4/56E:1 15/31	Central Electronic Module (CEM) Engine compartment distribution box, resistor	GN-YE
4	4/46B:8 4/46A:D1	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	BK-RD	2/35:2	Relay, starter motor	BK-RD
5	4/46B:28	Engine Control Module (ECM)	BU	8/119:2	Pressure monitor, climate control system	BU
	4/46A:H2	Engine Control Module (ECM), Diesel	BK-YE	8/119:2	Pressure monitor, climate control system, Diesel	BK-YE
6	9/38:1	Heated fuel filter, Diesel	GN-RD	2/142:5	Relay, pre-heater, fuel filter	GN-RD
7	4/46A:E2	Engine Control Module (ECM), Diesel	WH-GN	4/56G:30	Central Electronic Module (CEM), Diesel	WH-GN
8	4/46B:41 4/46A:E4	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	GN-WH	4/56E:40	Central Electronic Module (CEM)	GN-WH
9	-	-	-	-	-	-
10	4/56E:14	Central Electronic Module (CEM)	GN-BU	3/10:2	Reversing light contact, MAN.	GN-YE
11	6/25A:1	Starter motor	GY	2/35:5	Relay, starter motor	GY
12	63/103 8/133:1 8/77:1	Junction point Control valve, fuel pressure, Diesel Control valve, fuel volume, Diesel	GN-BU	F34:2	Fuse	GN-BU
13	4/46B:G4	Engine Control Module (ECM), Diesel	RD	F30:2	Fuse, Diesel	RD
14	63/54	Junction point	GN-BU	F35:2	Fuse	GN-BU
15	4/46B:58 4/46A:A4	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	GY-RD	63/222	Junction point	GY-RD
16	4/46B:D4	Engine Control Module (ECM), Diesel	WH-BU	4/109:3	Glow plug control module, Diesel	WH-BU
17	4/46B:10 4/46A:D4	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	BK-YE	2/22:2	Relay, climate control system	BK-YE
18	8/3:1 8/3:2	Electromagnetic clutch, climate control system, Gasoline Electromagnetic clutch, climate control system, Diesel	GN-YE	2/22:5	Relay, climate control system	GN-YE
19	4/46B:51 4/46A:D2	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	WH-RD BK-BU	7/8:2 8/127:2	Pressure sensor, climate control system Pressure switch, climate control system, Diesel	WH-VT BK-BU
20	6/26A:3	Generator	RD	F31:2	Fuse	RD

Connectors

64/90:21-41

64/90

41-pin black

No.	Engine harness			Engine compartment harness		
21	4/46B:16 4/46B:H3	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	BK-BU	2/32:2	Main relay, engine management system	BK-BU
22	4/28A:16	Transmission Control Module (TCM)	RD-YE	64/111:3	Connector	RD-YE
23	63/56 4/46B:54	Junction point Engine Control Module (ECM)	RD	F23:2	Fuse	RD
24	4/46B:20 64/600:4	Engine Control Module (ECM) Connector, Diesel	WH-BK GN-OG	64/113:7 4/109:1	Connector Glow plug control module, Diesel	WH-BK GN-OG
25	4/46 B:33 64/600:3	Engine Control Module (ECM) Connector, Diesel	BN-WH GN-OG	64/113:12 4/109:2	Connector Glow plug control module, Diesel	BK-WH GN-OG
26	4/46B:23 64/600:2	Engine Control Module (ECM) Connector, Diesel	WH-VT GN-OG	64/113:11 4/109:6	Connector Glow plug control module, Diesel	WH-VT GN-OG
27	4/46B:46 64/600:1	Engine Control Module (ECM) Connector, Diesel	YE-VT GN-OG	64/113:10 4/109:7	Connector Glow plug control module, Diesel	YE-VT GN-OG
28	4/46B:26 4/46A:F3	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	GY	7/51:5	Accelerator pedal sensor	GY
29	4/46B:31	Engine Control Module (ECM)	YE-RD	7/8:3	Pressure sensor, climate control system	YE-RD
30	4/28A:13	Transmission Control Module (TCM)	GY-OG	64/111:1	Connector	GY-OG
31	4/46B:17	Engine Control Module (ECM)	GN-BU	2/35:1	Relay, starter motor	GN-BU
32	4/46B:47	Engine Control Module (ECM)	BN-RD	7/8:1	Pressure sensor, climate control system	BN-RD
33	4/28A:7	Transmission Control Module (TCM)	WH-RD	64/111:2	Connector	RD
34	4/46B:7 4/46A:B2	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	WH-RD	4/71:4	Cooling fan control module	WH
35	7/82:1	Heated oxygen sensor, rear, Turbo	GN-YE	63/13	Junction point, Turbo	GN-YE
36	6/26A:3	Generator	WH-RD	15/31	Engine compartment distribution box, LED	WH-RD
37	4/46B:30 4/46A:C3	Engine Control Module (ECM) Engine Control Module (ECM), Diesel	GN-YE GN-BU	4/56E:10 4/56E:10	Central Electronic Module (CEM) Central Electronic Module (CEM), Diesel	GN-GY GN-BU
38	-	-	-	-	-	-
39	63/98	Junction point	GN-YE	F32:2	Fuse	GN-YE
40	63/61 7/15:3	Junction point Heated oxygen sensor, front, Turbo	GN-YE	F33:2 63/13	Fuse Junction point, Turbo	GN-YE
41	63/65 63/65	Junction point Junction point, Diesel	GN-BU GN-OG	F36:2	Fuse	GN-BU

Connectors

64/111

64/111

29-pin gray E.E

27-pin gray L.E

No.	Engine compartment harness			Dashboard harness		
1	64/90:30	Connector	GY-OG	3/156:3	Gear Selector Module (GSM)	GY-OG
2	64/90:33	Connector	RD	3/156:2	Gear Selector Module (GSM)	WH-RD
3	64/90:22	Connector	RD-YE	3/156:1	Gear Selector Module (GSM)	RD-YE
4	-		-	-		-
5	F26:2	Fuse	RD	3/1B:7	Start Control Module (SCU)	RD
6	-		-	-		-
7	7/51:4	Accelerator pedal sensor	BK-YE	63/12	Junction point	BK-YE
8	63/106	Junction point	BU	3/111:10	Switch unit, lights	BU
9	63/124	Junction point	BK	63/6	Junction point	BK
10	-		-	-		-
11	7/179:1	Left-hand front impact sensor, L.E	WH-BK	4/9B:23	Supplemental Restraint System Module (SRS), L.E	WH-BK
12	7/179:2	Left-hand front impact sensor, L.E	BN-YE	4/9B:24	Supplemental Restraint System Module (SRS), L.E	BN-YE
13	-		-	-		-
14	-		-	-		-
15	-		-	-		-
16	-		-	-		-
17	-		-	-		-
18	-		-	-		-
19	7/178:1	Right-hand front impact sensor, L.E	WH	4/9B:5	Supplemental Restraint System Module (SRS), L.E.	WH
20	7/178:2	Right-hand front impact sensor, L.E.	BN	4/9B:9	Supplemental Restraint System Module (SRS), L.E	BN
21	7/179:2	Left-hand front impact sensor, E.E	BN-YE	4/9B:24	Supplemental Restraint System Module (SRS), E.E	BN-YE
22	7/179:1	Left-hand front impact sensor, E.E	WH-BK	4/9B:23	Supplemental Restraint System Module (SRS), E.E	WH-BK
23	-		-	-		-
24	F10:2	Fuse, L.E	GN-OG	4/31:1	Fan control module , L.E	GN-OG
25	F10:2	Fuse, E.E	GN-OG	4/31:1	Fan control module, E.E	GN-OG
26	-		-	-		-
27	-		-	-		-
28	7/178:1	Right-hand front impact sensor, E.E	WH	4/9B:5	Supplemental Restraint System Module (SRS), E.E	WH
29	7/178:2	Right-hand front impact sensor, E.E	BN	4/9B:9	Supplemental Restraint System Module (SRS), E.E	BN

Connectors

64/112 - 64/113:1-9

64/112

16-pin gray

No.	Floor harness			Dashboard harness		
1	16/105B:10	Audio Module (AUD)	WH-RD	16/26:1	Center speaker, dashboard	WH-RD
2	16/105B:2	Audio Module (AUD)	GY-RD	16/26:2	Center speaker, dashboard	GY-RD
3	-		-	-		-
4	4/56F:14	Central Electronic Module (CEM)	BU-RD	3/254C:8	Steering Wheel Module (SWM)	BU-RD
5	4/56F:16	Central Electronic Module (CEM)	GY-RD	3/254C:9	Steering Wheel Module (SWM)	GY-RD
6	64/31:4 64/30:4	Connector Connector, RHD	WH-GN WH	63/11	Junction point	WH-GN
7	64/30:4 64/31:4	Connector Connector, RHD	WH WH-GN	63/83	Junction point	WH
8	-		-	-		-
9	-		-	-		-
10	-		-	-		-
11	-		-	-		-
12	-		-	-		-
13	-		-	-		-
14	-		-	-		-
15	-		-	-		-
16	-		-	-		-

64/113

29-pin black E.E

27-pin black L.E

No.	Floor harness			Engine compartment harness		
1	64/816:1	Connector	WH	4/16:36	Brake Control Module (BCM)	WH
2	64/816:2	Connector	BN	4/16:37	Brake Control Module (BCM)	BN
3	64/817:1	Connector	YE-GN	4/16:43	Brake Control Module (BCM)	YE-GN
4	64/817:2	Connector	WH-GN	4/16:42	Brake Control Module (BCM)	WH-GN
5	-		-	-		-
6	64/48:7 16/141	Connector, V50 Interference filter, left rear win- dow, S40	GN-BU	2/82:5	Relay, heated rear window	GN-BU
7	64/51:14	Connector	WH-BK	64/90:24	Connector	WH-BK
8	7/164:5	Body Sensor Cluster (BSC)	BN-RD	4/16:5	Brake Control Module (BCM)	BN-RD
9	7/164:3	Body Sensor Cluster (BSC)	YE-RD	4/16:7	Brake Control Module (BCM)	YE-RD

Connectors

64/113:10-29 - 64/322

64/113

29-pin black E.E

27-pin black L.E

No.	Floor harness			Engine compartment harness		
10	64/51:9	Connector	YE-VT	64/90:27	Connector	YE-VT
11	64/51:10	Connector	WH-VT	64/90:26	Connector	WH-VT
12	64/51:11	Connector	BK-WH	64/90:25	Connector	BK-WH
13	64/51:12	Connector	GN-BU	2/22:1	Relay, climate control system	GN-BU
14	-		-	F35:2	Fuse	-
15	64/51:1	Connector	RD-OG	4/7A:6	Combustion Preheater Module (CPM)	RD-OG
16	-		-			-
17	7/164:2	Body Sensor Cluster (BSC)	GY	4/16:29	Brake Control Module (BCM)	GY
18	7/164:1	Body Sensor Cluster (BSC)	BU	4/16:25	Brake Control Module (BCM)	BU
19	64/50:8	Connector	WH	4/112A:2	Control module, gas discharge lamp (GDL), master, left	WH
20	64/50:9	Connector	YE	63/90	Junction point	YE
21	64/50:7	Connector, E.E	BN	63/89	Junction point, E.E	BN
22	-		-			-
23	-		-			-
24	4/110C:2	Trailer Module (TRM) L.E	RD	F14:2	Fuse, L.E	RD
25	4/110C:2	Trailer Module (TRM) E.E	RD	F14:2	Fuse, E.E	RD
26	-		-			-
27	64/50:7	Connector, L.E	BN	63/89	Junction point, L.E	BN
28	-		-			-
29	-		-			-

64/322

5-pin green

No.	Floor harness			AEM harness (Accessories)		
1	63/228	Junction point	GY-RD	4/78	Accessory Electronic Module (AEM)	WH
				4/110B:1	Trailer Module (TRM)	
2	63/229	Junction point	BU-RD	4/78	Accessory Electronic Module (AEM)	GN
				4/110B:2	Trailer Module (TRM)	
3	10/17A:1	Lamp housing, rear right, S40	OG-BK	4/110B:3	Trailer Module (TRM)	YE
	10/17A:2	Lamp housing, rear right, V50				
4	31/12	Ground connection	BK	4/110B:4	Trailer Module (TRM)	BK
5	-		-			-

Connectors

64/425 - 64/545:1-3

64/425

6-pin yellow

No.	Dashboard harness			SRS harness, Passenger side		
1	4/9B:1	Supplemental Restraint System Module (SRS)	OG	8/31:1	Airbag igniter, passenger side	OG
2	4/9B:2	Supplemental Restraint System Module (SRS)	BK-WH	8/31:2	Airbag igniter, passenger side	BK-WH
3	-		-	-		-
4	63/12	Junction point	BK-GN	8/31 8/32	Airbag igniter, passenger side Igniter, airbag stage 2, passenger side	BK-GN
5	4/9B:11	Supplemental Restraint System Module (SRS)	OG	8/32:1	Igniter, airbag stage 2, passenger side	OG
6	4/9B:10	Supplemental Restraint System Module (SRS)	BK-YE	8/32:2	Igniter, airbag stage 2, passenger side	BK-YE

64/545

6-pin light gray

No.	Dashboard harness			Climate control system harness		
1	4/56A:44	Central Electronic Module (CEM)	YE	6/95:1 6/103:1 6/96:1 6/48:1 6/102:1 7/159:1	Damper Motor Module (DMM), left-hand side§ Damper Motor Module (DMM), floor/ventilation Damper Motor Module (DMM), right-hand side Damper Motor Module (DMM), recirculation Damper Motor Module (DMM), defroster Air Quality Sensor (AQS)	RD
2	3/112:5	Climate Control Module (CCM)	YE-GN	7/41:1	Evaporator temperature sensor	BU-YE
3	63/83	Junction point	WH	6/95:2 6/103:2 6/95:2 6/48:2 6/103:2 7/159:2	Damper Motor Module (DMM), left-hand side Damper Motor Module (DMM), floor/ventilation Damper Motor Module (DMM), left-hand side Damper Motor Module (DMM), recirculation, RHD Damper Motor Module (DMM), floor/ventilation, RHD Air Quality Sensor (AQS), RHD	YE

Connectors

64/545:4-6 - 64/600

64/545

6-pin light gray

No.	Dashboard harness			Climate control system harness		
4	63/25	Junction point	BK	6/95:3	Damper Motor Module (DMM), left-hand side	BN
				6/103:3	Damper Motor Module (DMM), floor/ventilation	
				6/96:3	Damper Motor Module (DMM), right-hand side	
				6/48:3	Damper Motor Module (DMM), recirculation	
				6/102:3	Damper Motor Module (DMM), defroster	
				7/159:3	Air Quality Sensor (AQS)	
5	63/14	Junction point	BN-GN	7/41:3	Evaporator temperature sensor	GN-OG
6	63/11	Junction point	WH-GN	7/159:2	Air Quality Sensor (AQS)	VT
				6/102:2	Damper Motor Module (DMM), defroster	
				6/48:2	Damper Motor Module (DMM), recirculation	
				6/96:2	Damper Motor Module (DMM), right-hand side	

64/599

1-pin black

No.	Floor harness			SUB harness (Accessories)		
1	16/79A:3	Subwoofer Module (SUB)	RD	4/56C:17	Central Electronic Module (CEM)	OG-GN

64/600

4-pin

No.	Engine harness			Glow plug harness		
1	64/90:27	Connector	GN-OG	20/25:1	Glow plug	GN-OG
2	64/90:26	Connector	GN-OG	20/24:1	Glow plug	GN-OG
3	64/90:25	Connector	GN-OG	20/23:1	Glow plug	GN-OG
4	64/90:24	Connector	GN-OG	20/22:1	Glow plug	GN-OG

Connectors

64/814 - 64/862

64/814

2-pin black

No.	Engine compartment harness			ABS harness		
1	4/16:45	Brake Control Module (BCM)	WH	7/31:1	ABS sensor, front left	WH
2	4/16:46	Brake Control Module (BCM)	BN	7/31:2	ABS sensor, front left	BN

64/815

2-pin black

No.	Engine compartment harness			ABS harness		
1	4/16:34	Brake Control Module (BCM)	WH-RD	7/32:1	ABS sensor, front right	WH
2	4/16:33	Brake Control Module (BCM)	BN-RD	7/32:2	ABS sensor, front right	BN

64/816

2-pin black

No.	Floor harness			ABS harness, left rear		
1	64/113:1	Connector	WH	7/56:1	ABS sensor, rear left	WH
2	64/113:2	Connector	BN	7/56:2	ABS sensor, rear left	BN

64/817

2-pin black

No.	Floor harness			ABS harness, right rear		
1	64/113:3	Connector	YE-GN	7/57:1	ABS sensor, rear right	WH
2	64/113:4	Connector	WH-GN	7/57:2	ABS sensor, rear right	BN

64/861

1-pin black

No.	Harness, PTC element, Climate control system			Engine compartment harness		
1	9/41A:2	PTC element	RD	F5:2	Fuse	RD

64/862

1-pin white

No.	Harness, PTC element, Climate control system			Engine compartment harness		
1	9/41A:1	PTC element	-	31/112	Ground connection	BK

Connectors

64/977A - 64/979G

64/977A 2-pin

No.	Floor harness			Infotainment harness		
1	64/979G:1	Connector	OG	64/979:1 16/108C:2	Connector Multimedia Module (MMM)	OG
2	64/978:2	Connector	OG	64/979:2 16/60D:1	Connector Phone Module (PHM)	OG

64/978 2-pin

No.	Floor harness			MOST/GPS harness		
1	64/979G:2	Connector	OG	16/105D:1 16/79B:2	Audio Module (AUD) Subwoofer Module (SUB)	OG
2	64/977A:2	Connector	OG	16/105D:2 16/139C:2	Audio Module (AUD) Global Positioning System Mod- ule (GPS)	OG

64/979 2-pin

No.	Dashboard harness			Infotainment harness		
1	16/1B:2	Infotainment Control Module (ICM)	OG	64/977A:1 16/108C:1	Connector Multimedia Module (MMM)	OG
2	16/107A:1M	Media Player Module (MPM)	OG	64/977A:2 16/60D:2	Connector Phone Module (PHM)	OG

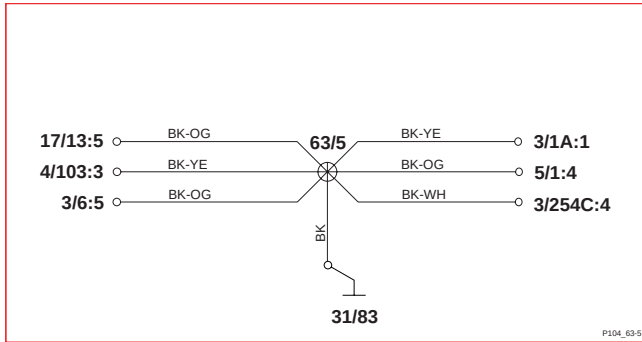
64/979G 2-pin

No.	MOST/TMC harness			Floor harness		
1	64/977A:1	Connector	OG	16/94C:1	AM/FM Tuner Module (AFM)	OG
2	64/978:1	Connector	OG	16/94C:2 16/49C:2	AM/FM Tuner Module (AFM) Traffic Message Channel Module (TMC)	OG

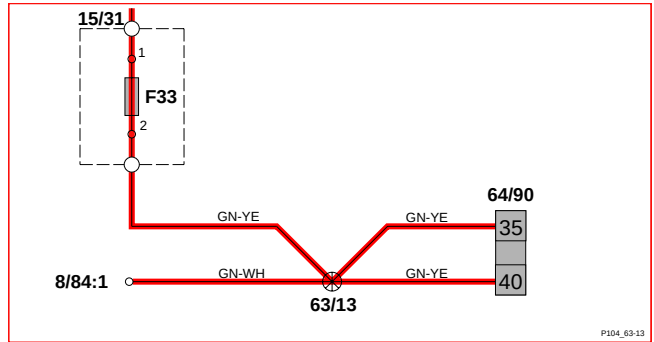
Junction points

63/5 - 63/25G

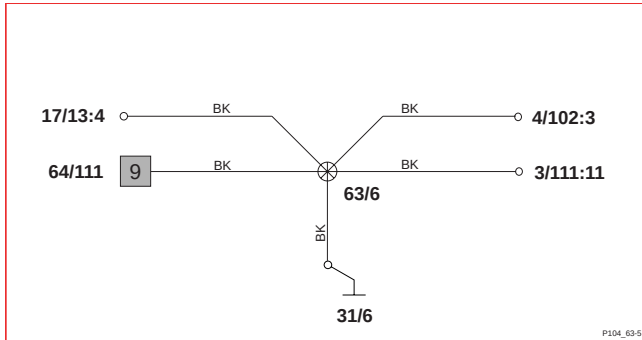
63/5



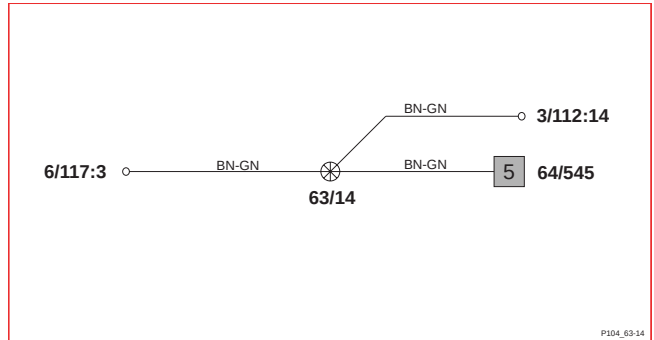
63/13



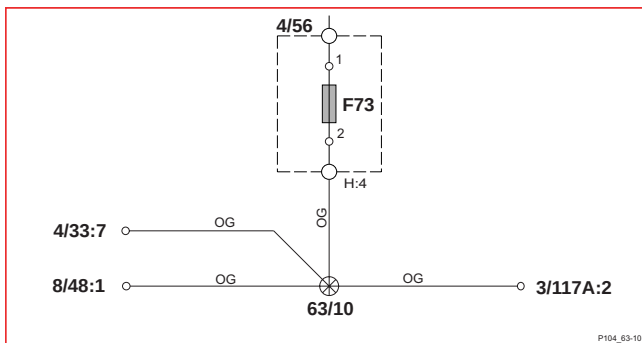
63/6



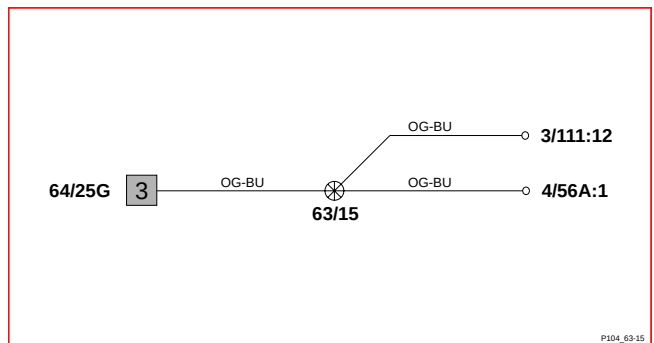
63/14



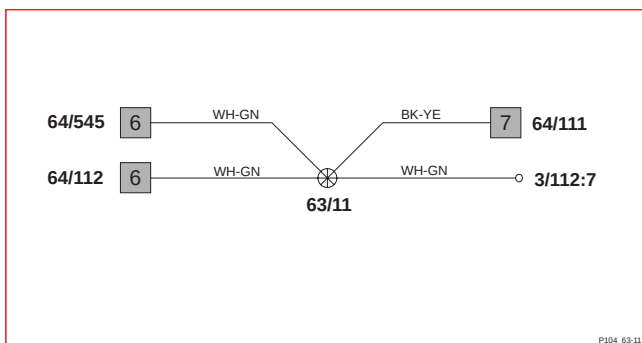
63/10



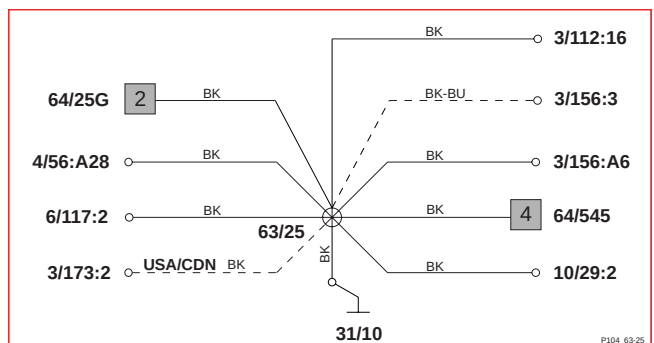
63/15



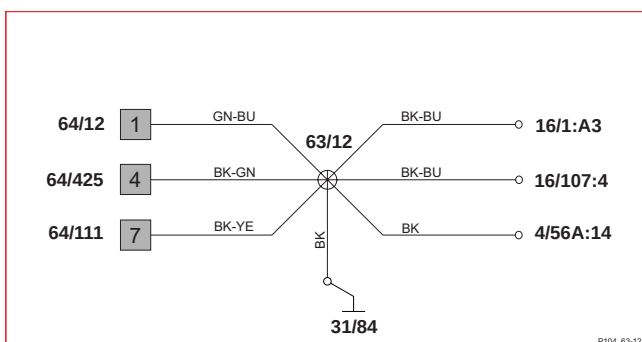
63/11



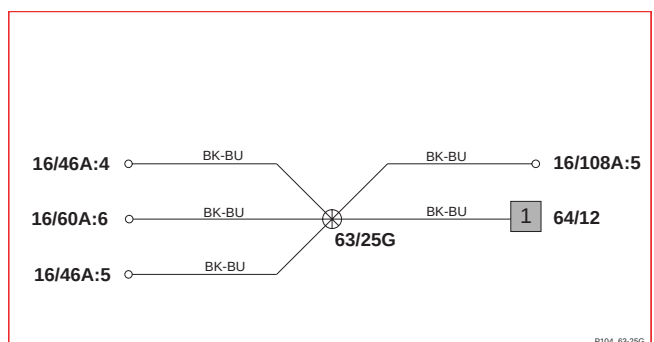
63/25



63/12



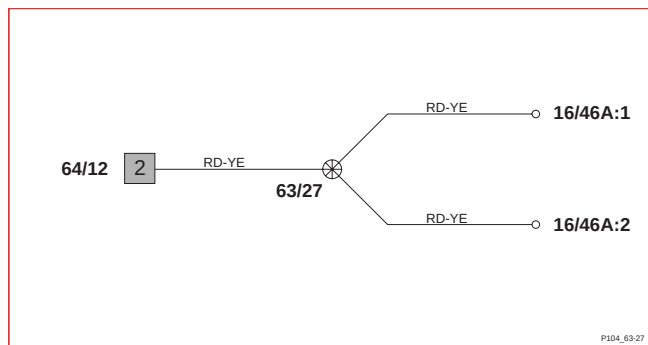
63/25G



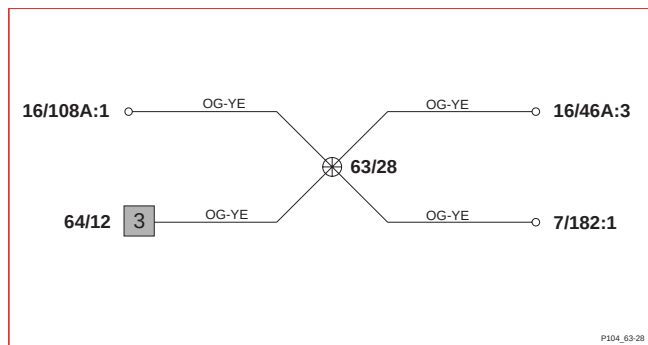
Junction points

63/27 - 63/56

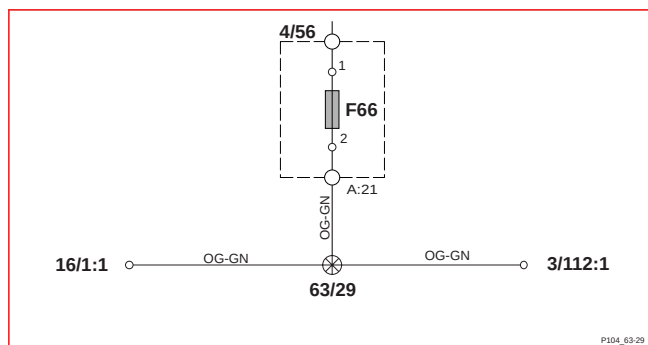
63/27



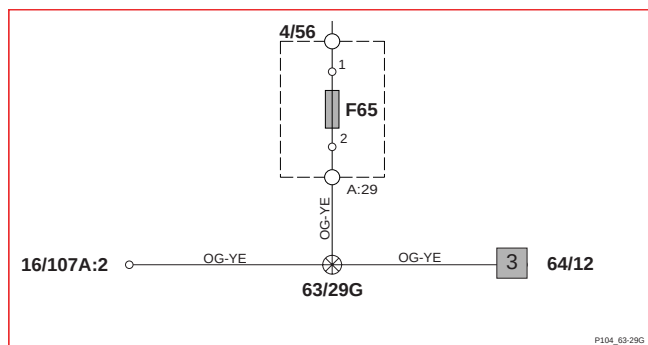
63/28



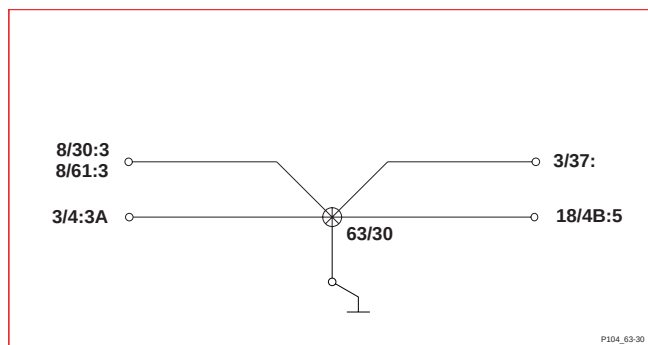
63/29



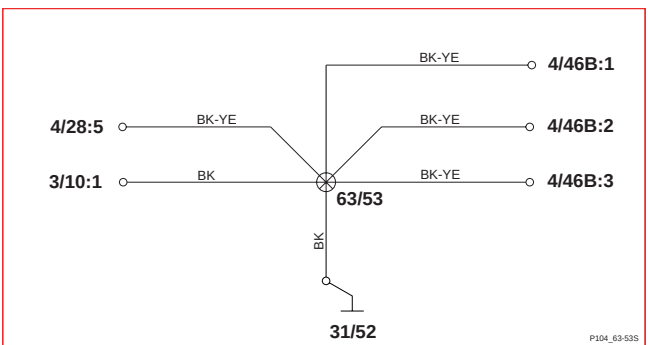
63/29G



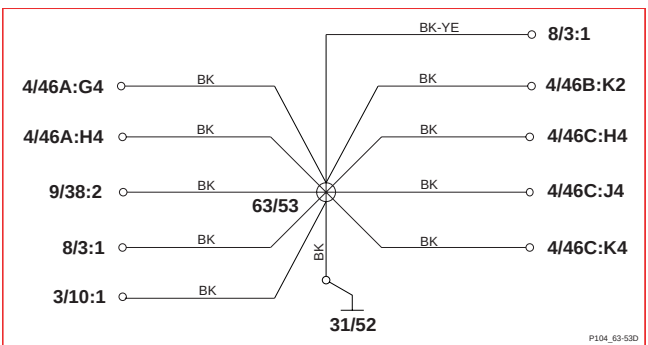
63/30



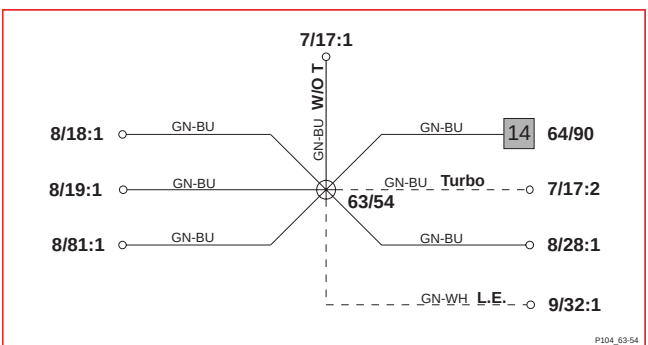
63/53 Gasoline



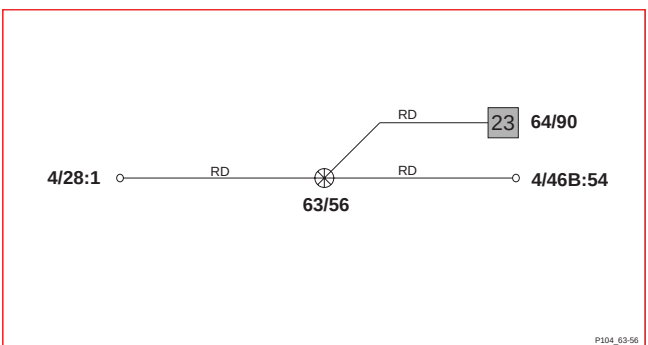
63/53 Diesel



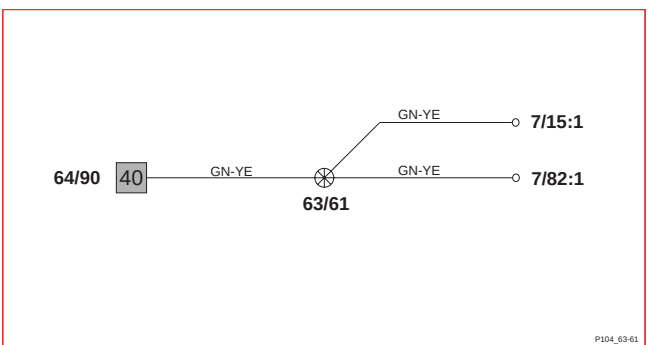
63/54



63/56

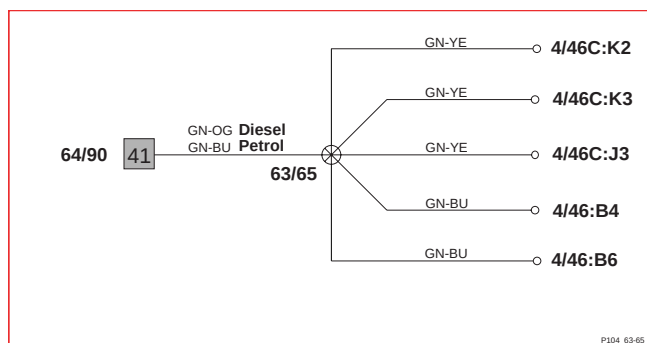


63/61

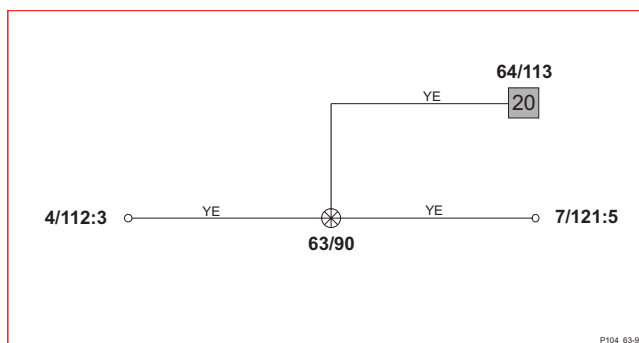


Junction points 63/65 - 63/93

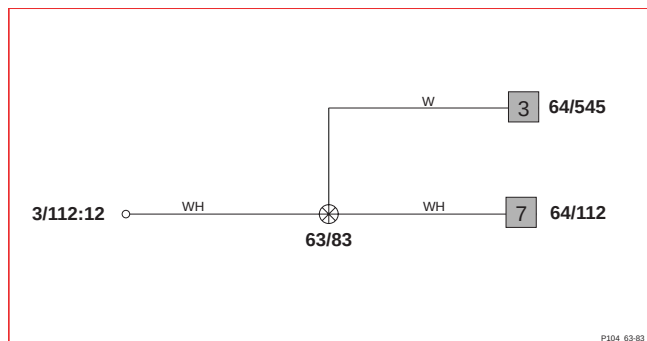
63/65



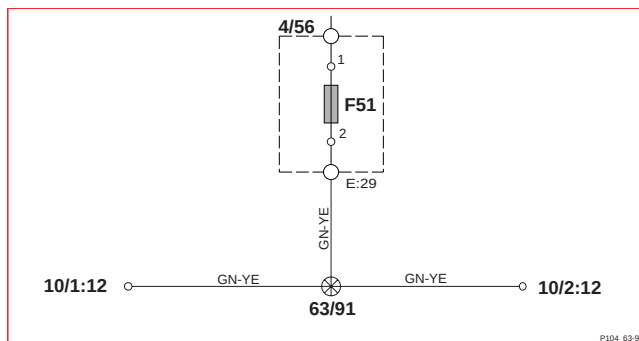
63/90



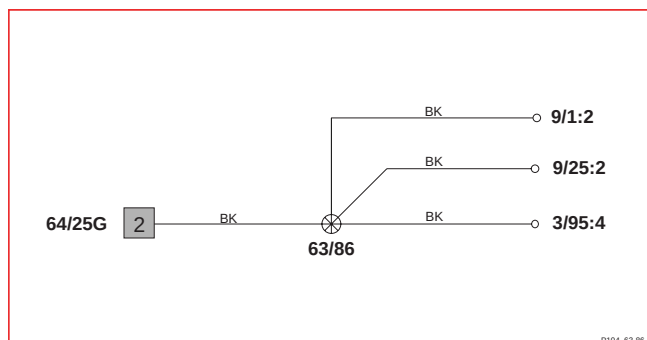
63/83



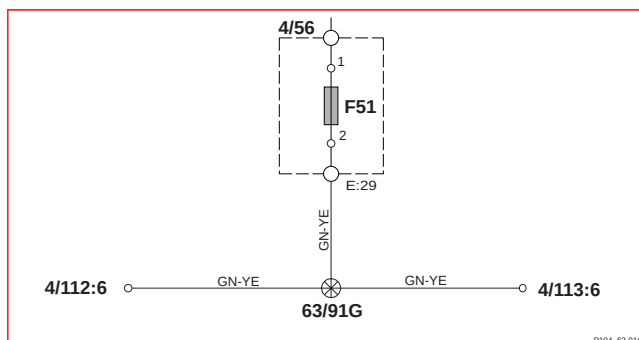
63/91



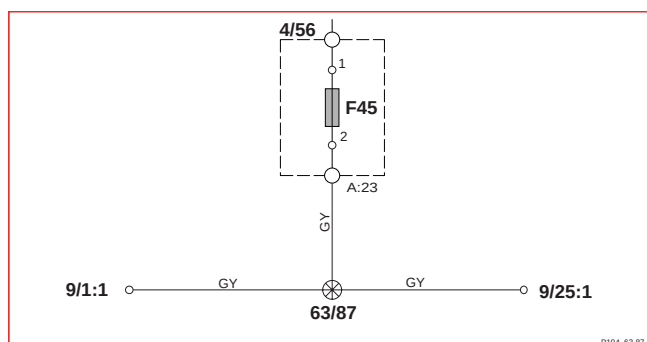
63/86



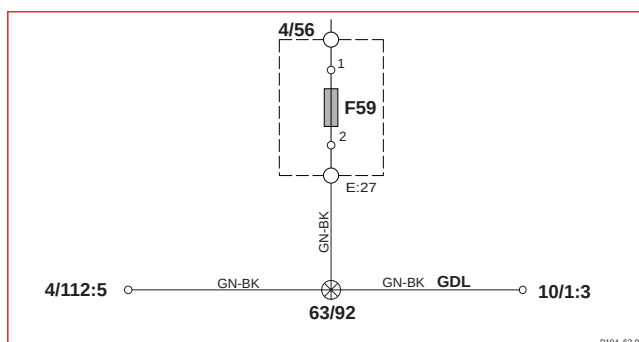
63/91G



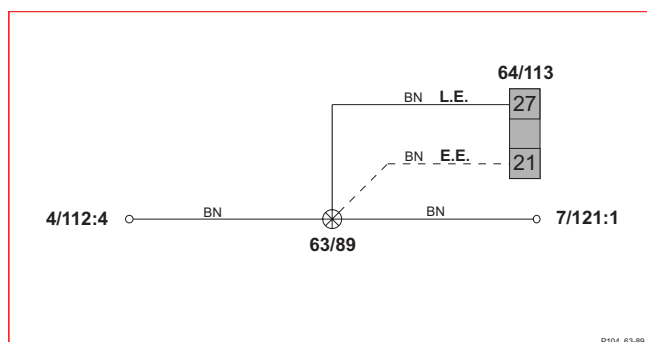
63/87



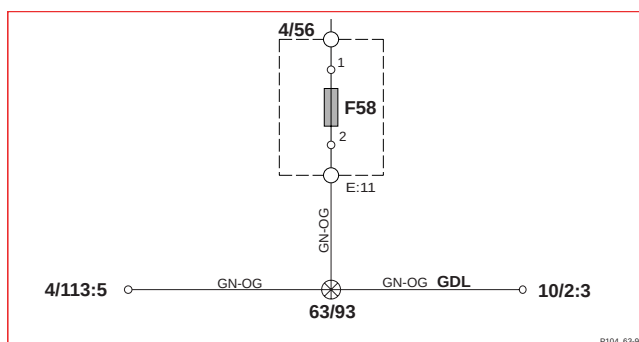
63/92



63/89



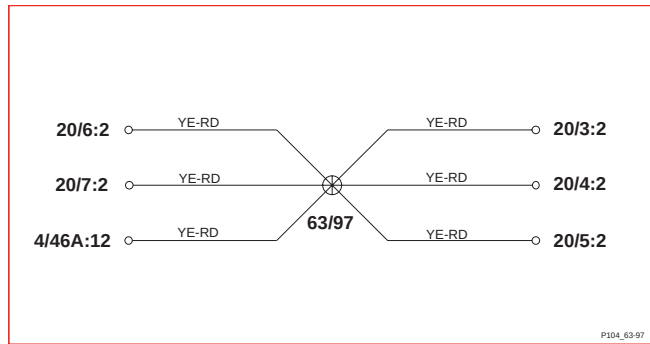
63/93



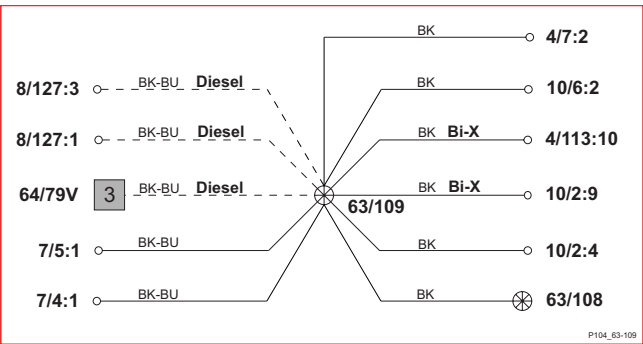
Junction points

63/97 - 63/130

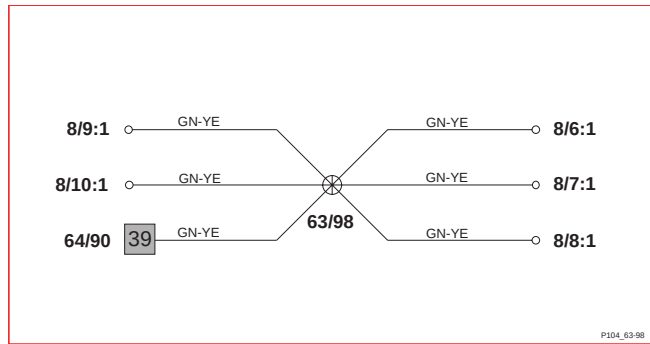
63/97 Gasoline normally aspirated



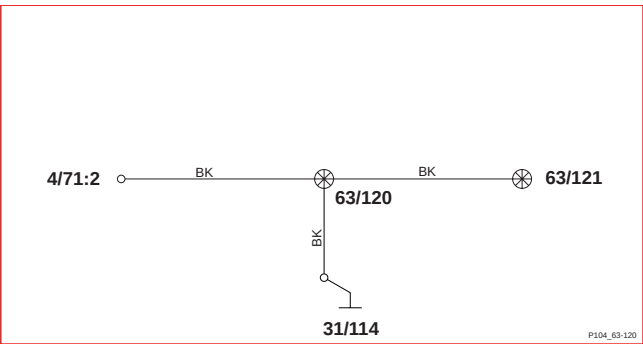
63/109



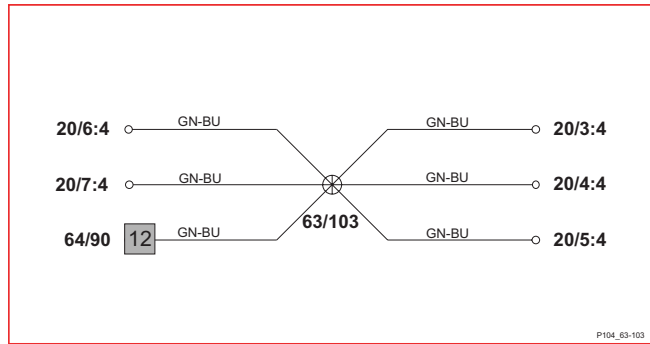
63/98 Gasoline



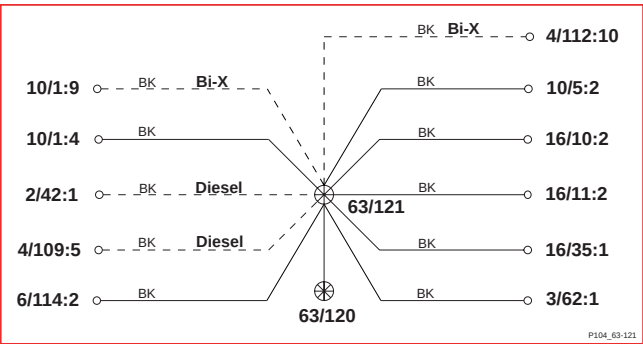
63/120



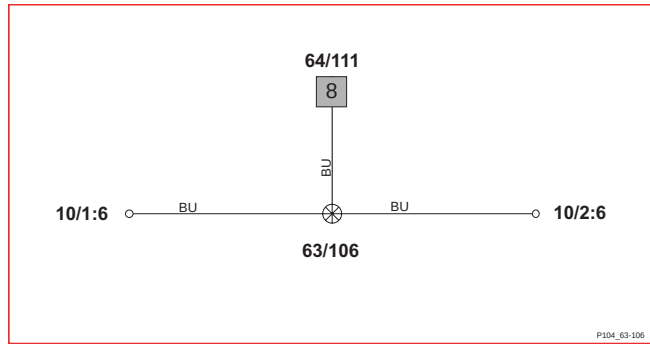
63/103 Gasoline



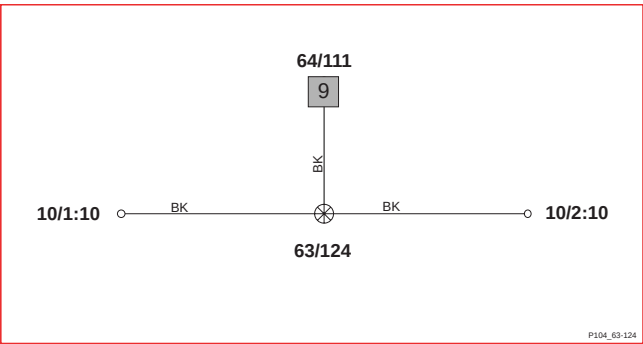
63/121



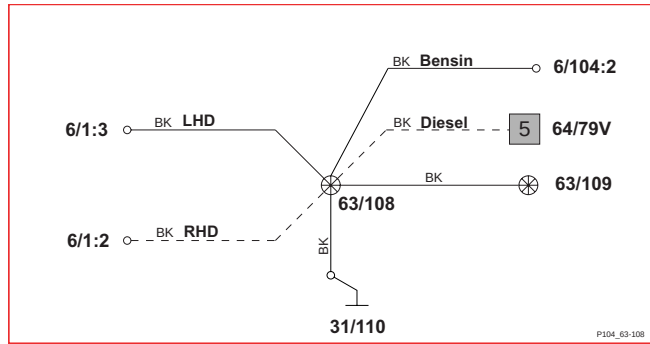
63/106



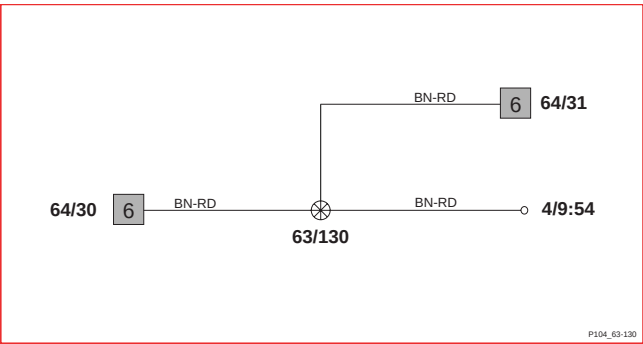
63/124



63/108



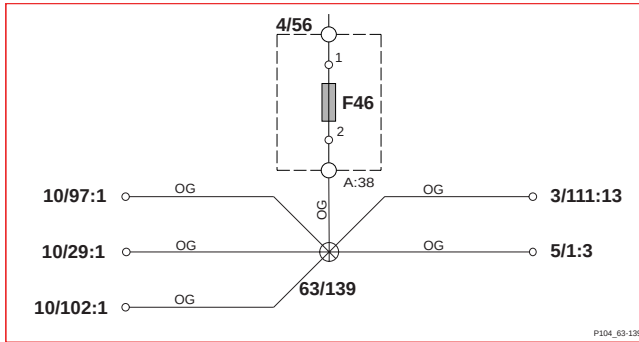
63/130



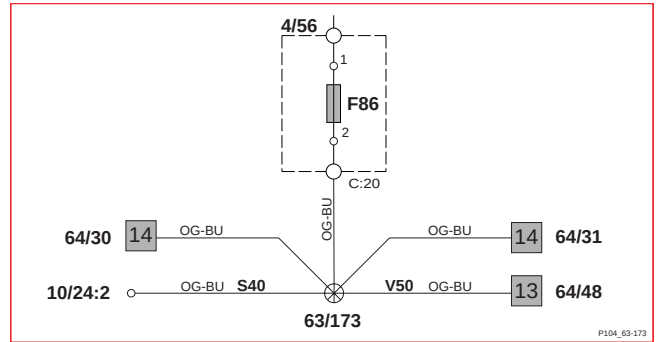
Junction points

63/139 - 63/199

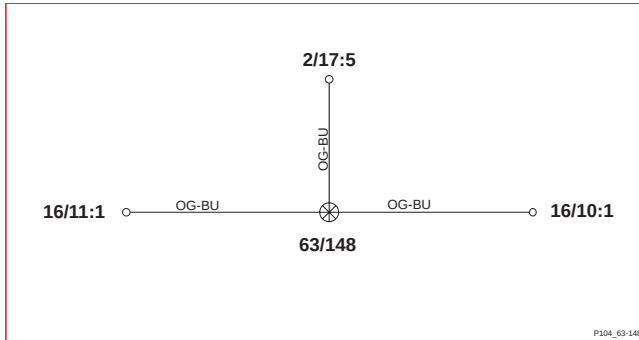
63/139



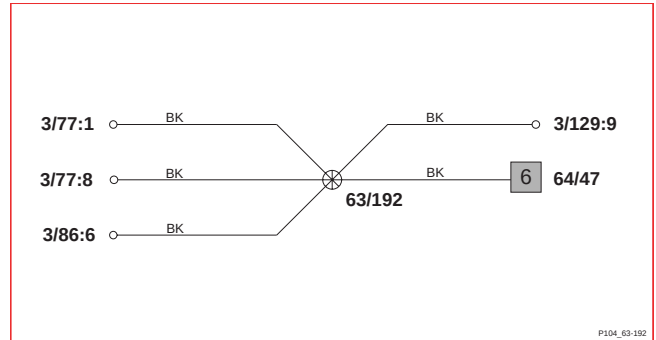
63/173



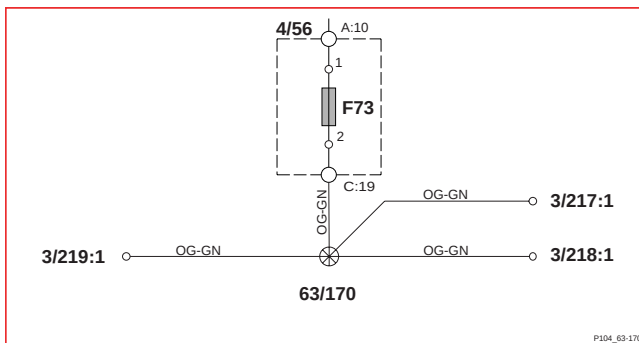
63/148



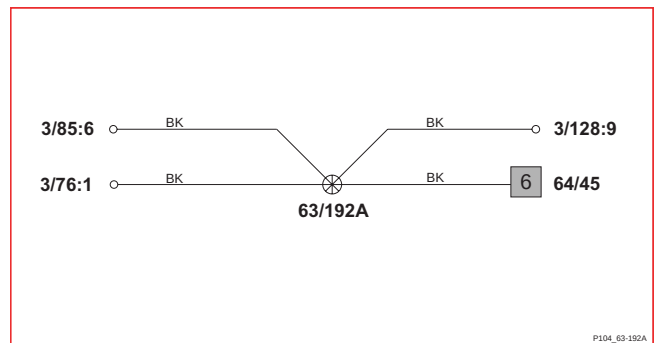
63/192



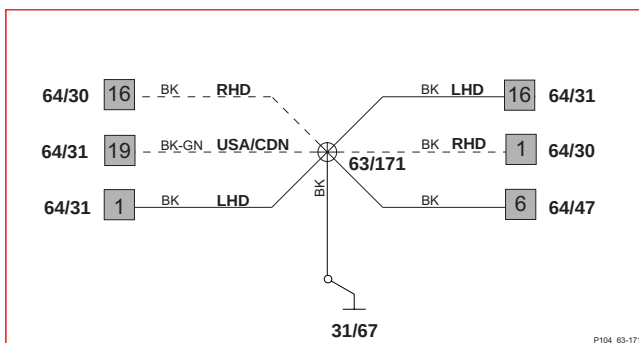
63/170



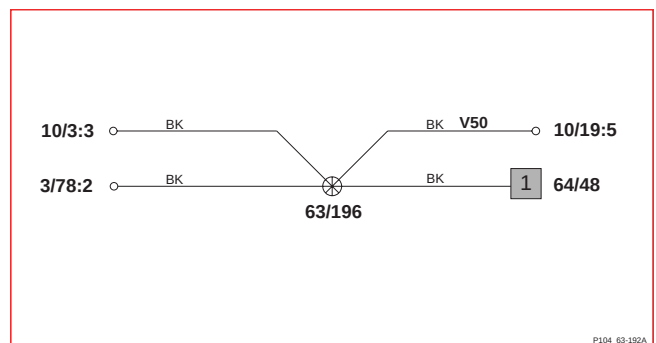
63/192A



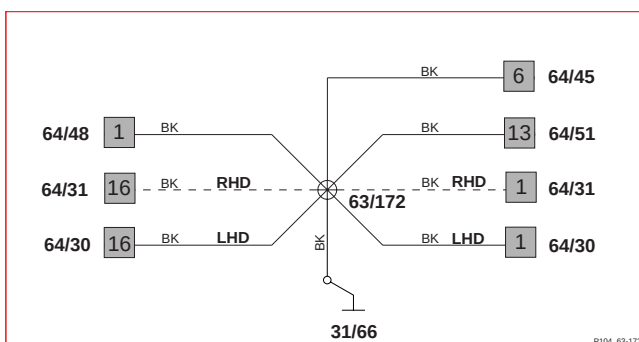
63/171



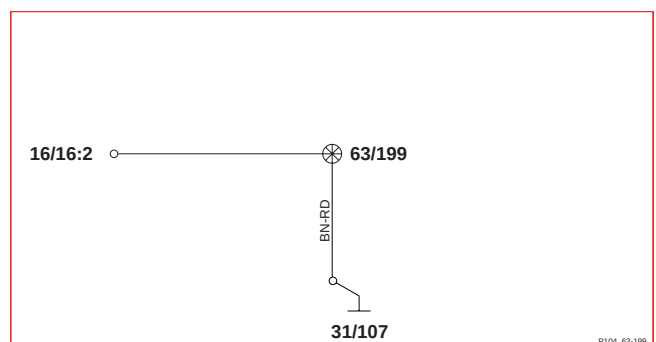
63/196



63/172



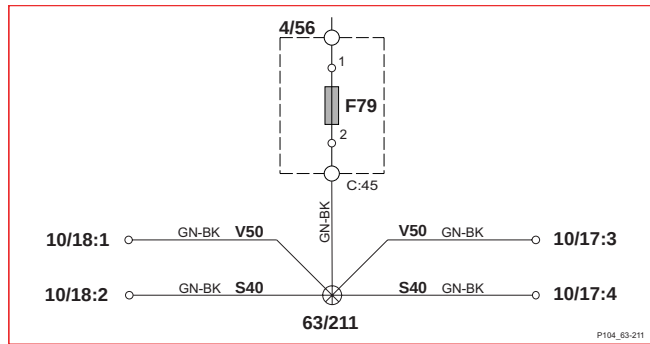
63/199



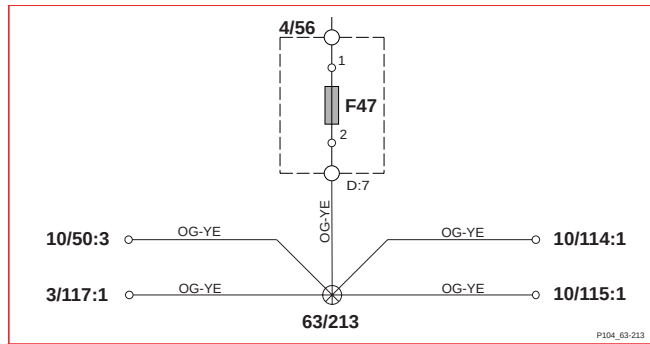
Junction points

63/211 - 63/221

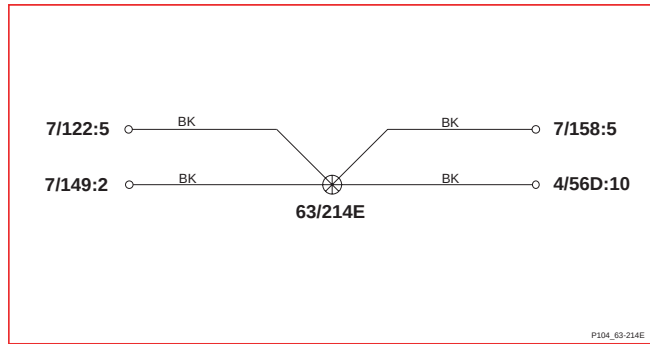
63/211



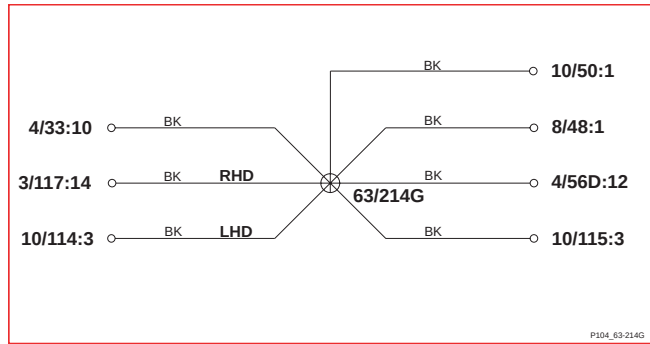
63/213



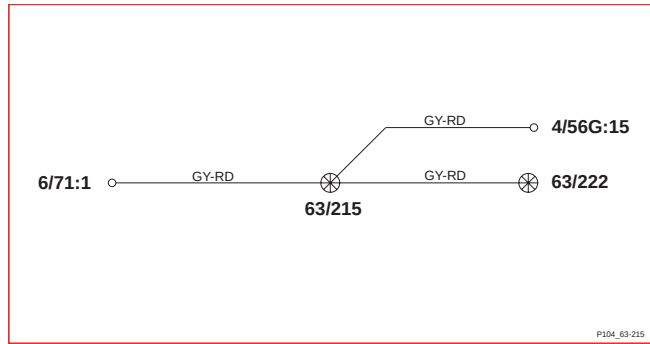
63/214E V50



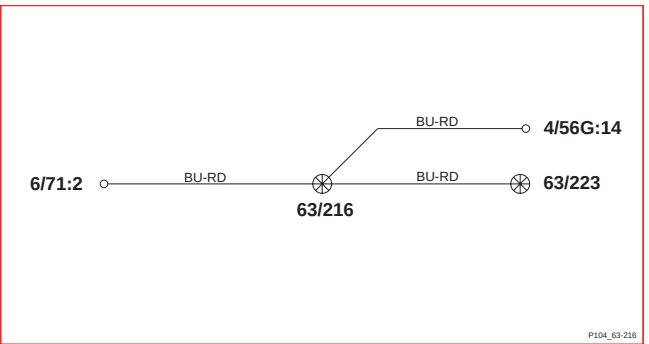
63/214G



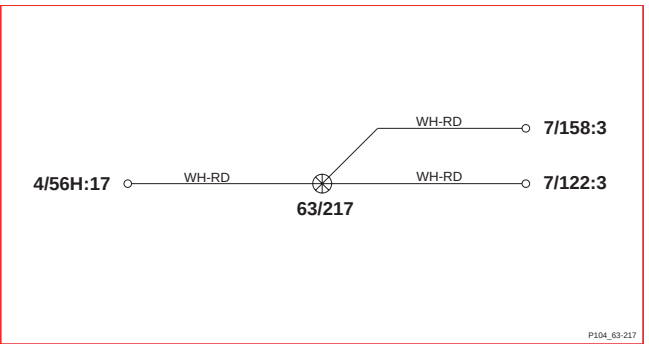
63/215



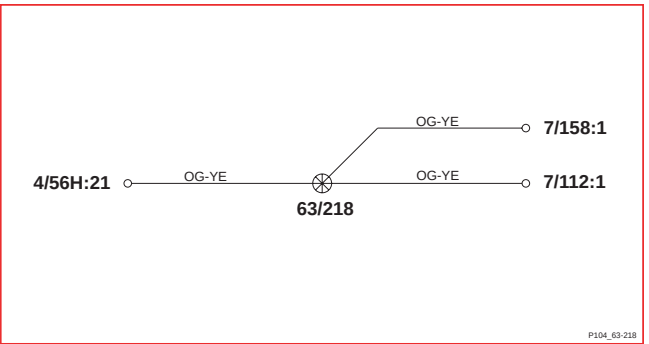
63/216



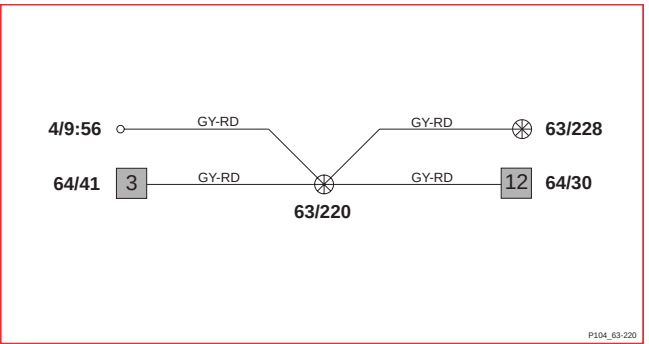
63/217 V50



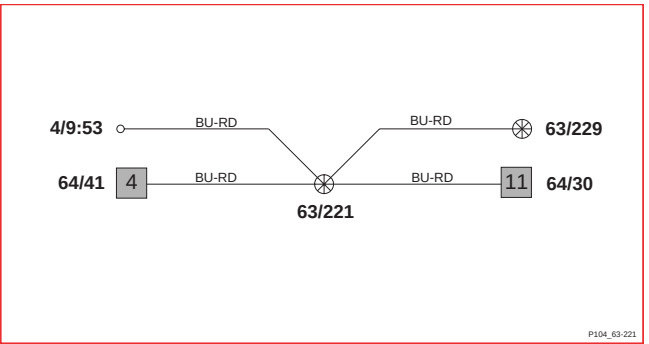
63/218 V50



63/220



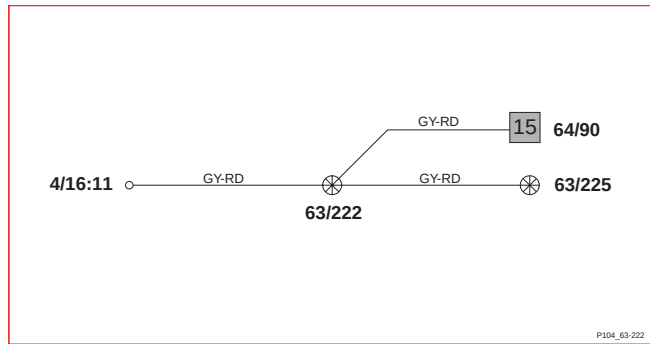
63/221



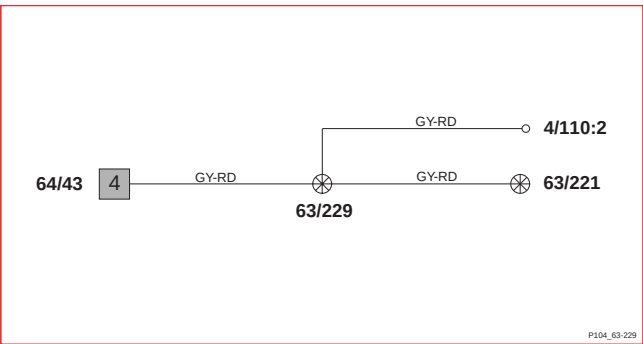
Junction points

63/222 - 63/504G

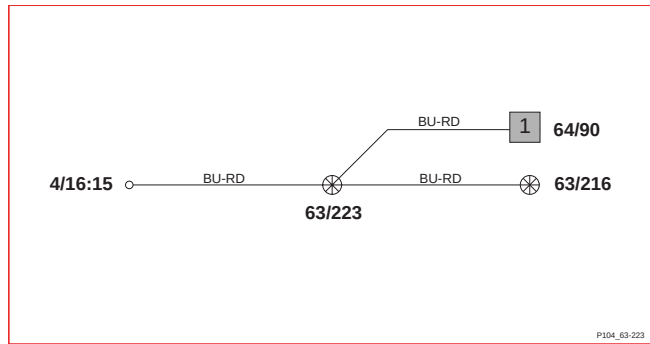
63/222



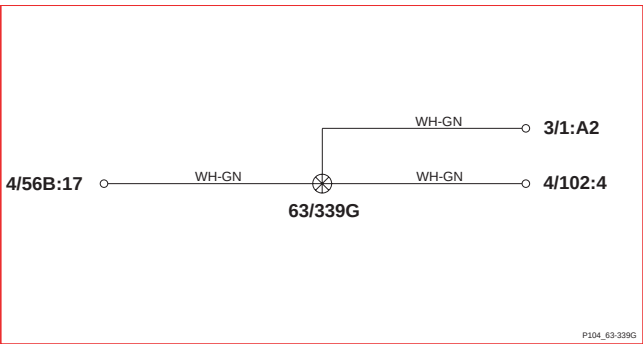
63/229



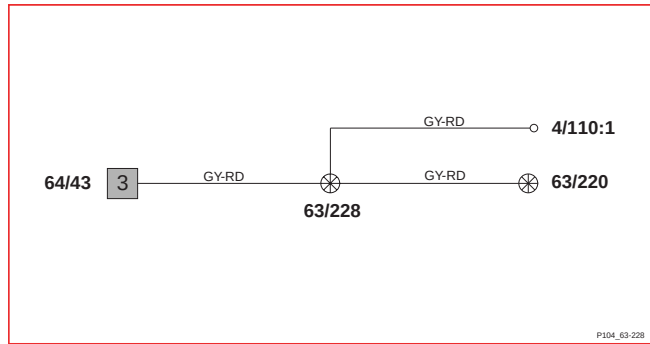
63/223



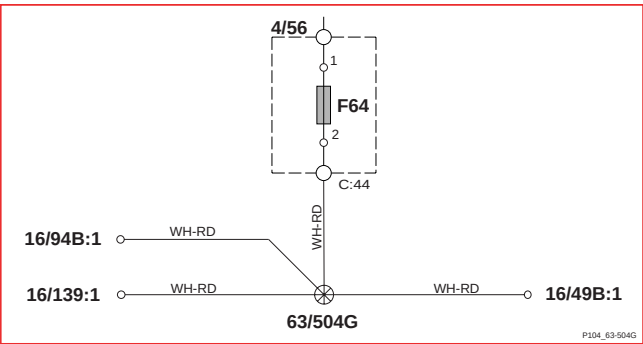
63/339G



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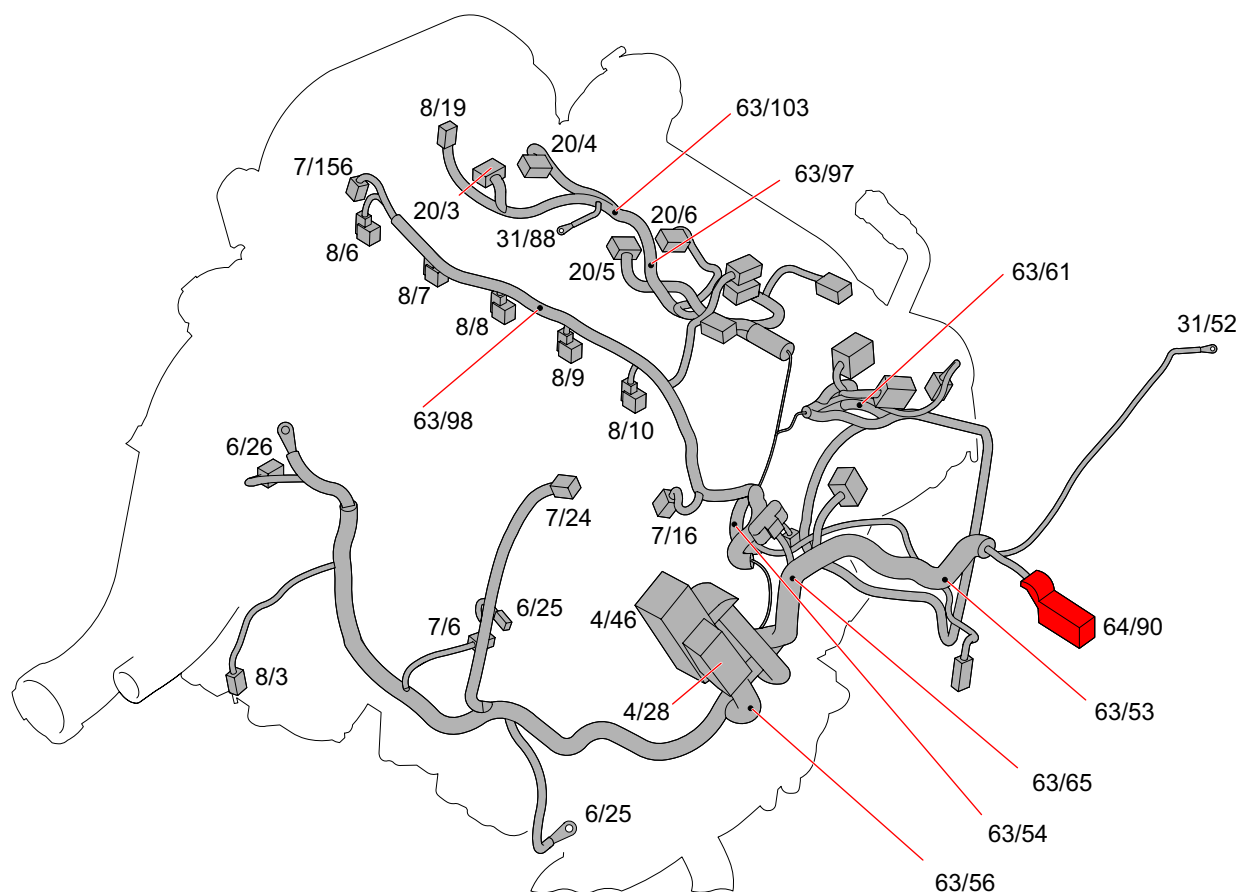


63/504G



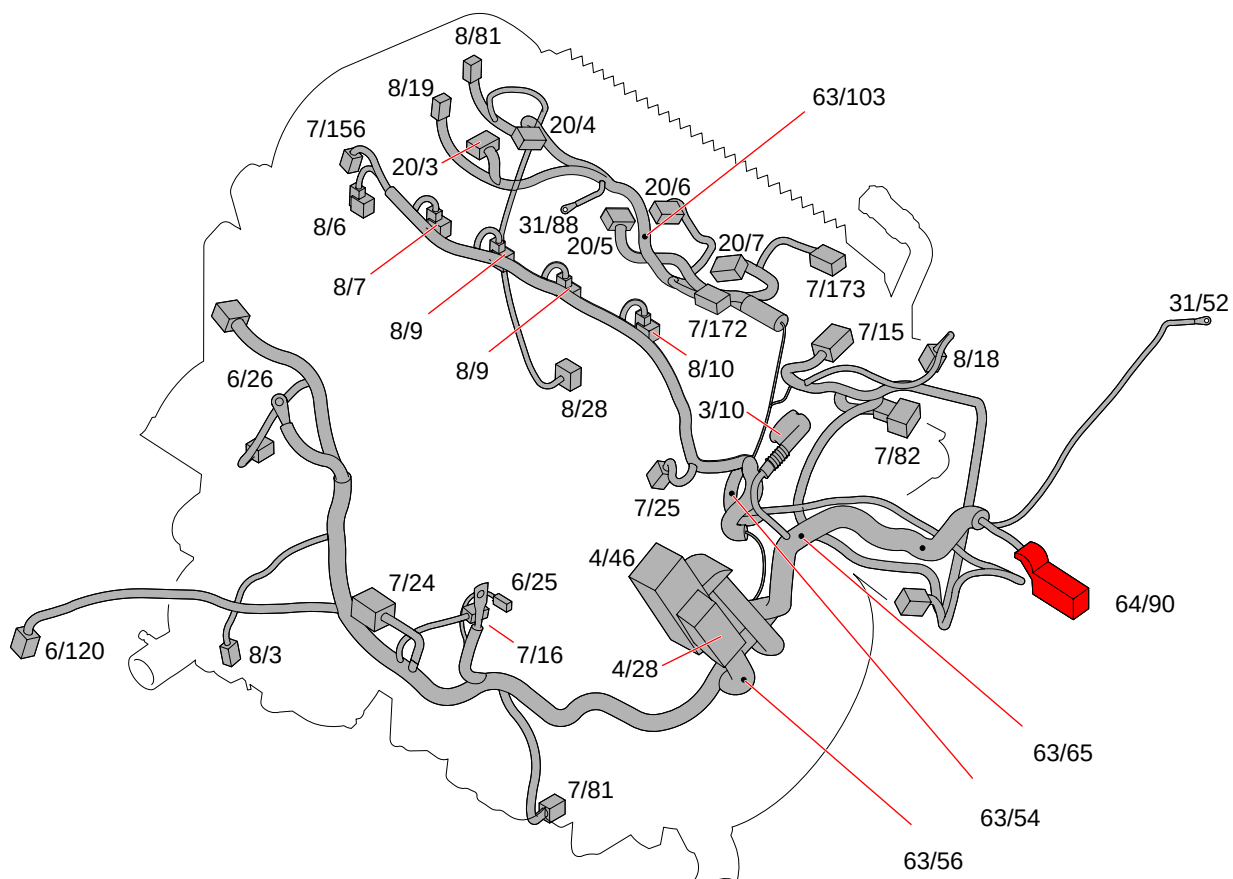
Cable harness routing in vehicle

Engine harness, Gasoline 5 cyl



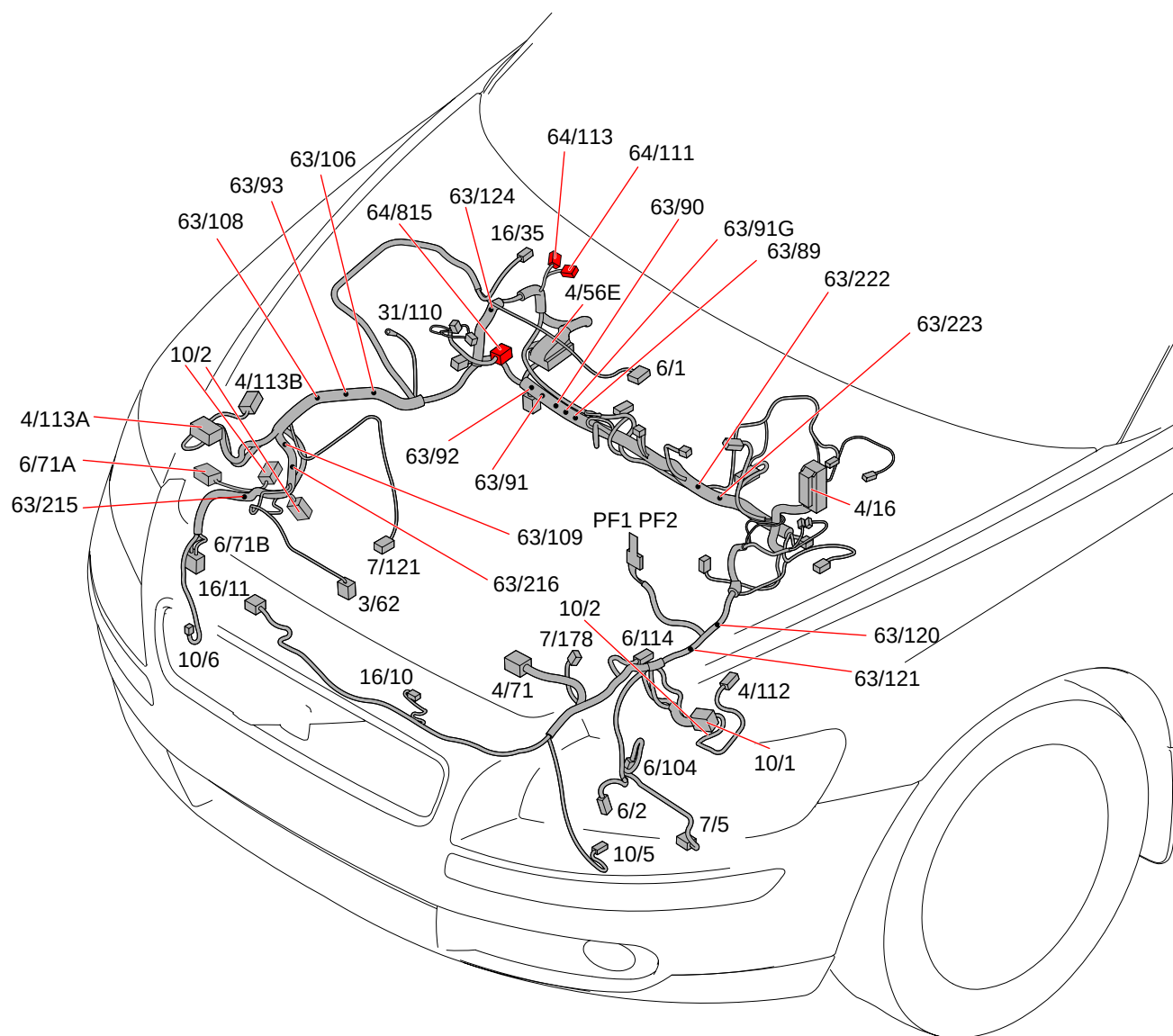
Cable harness routing in vehicle

Engine harness, Gasoline 5-cyl Turbo



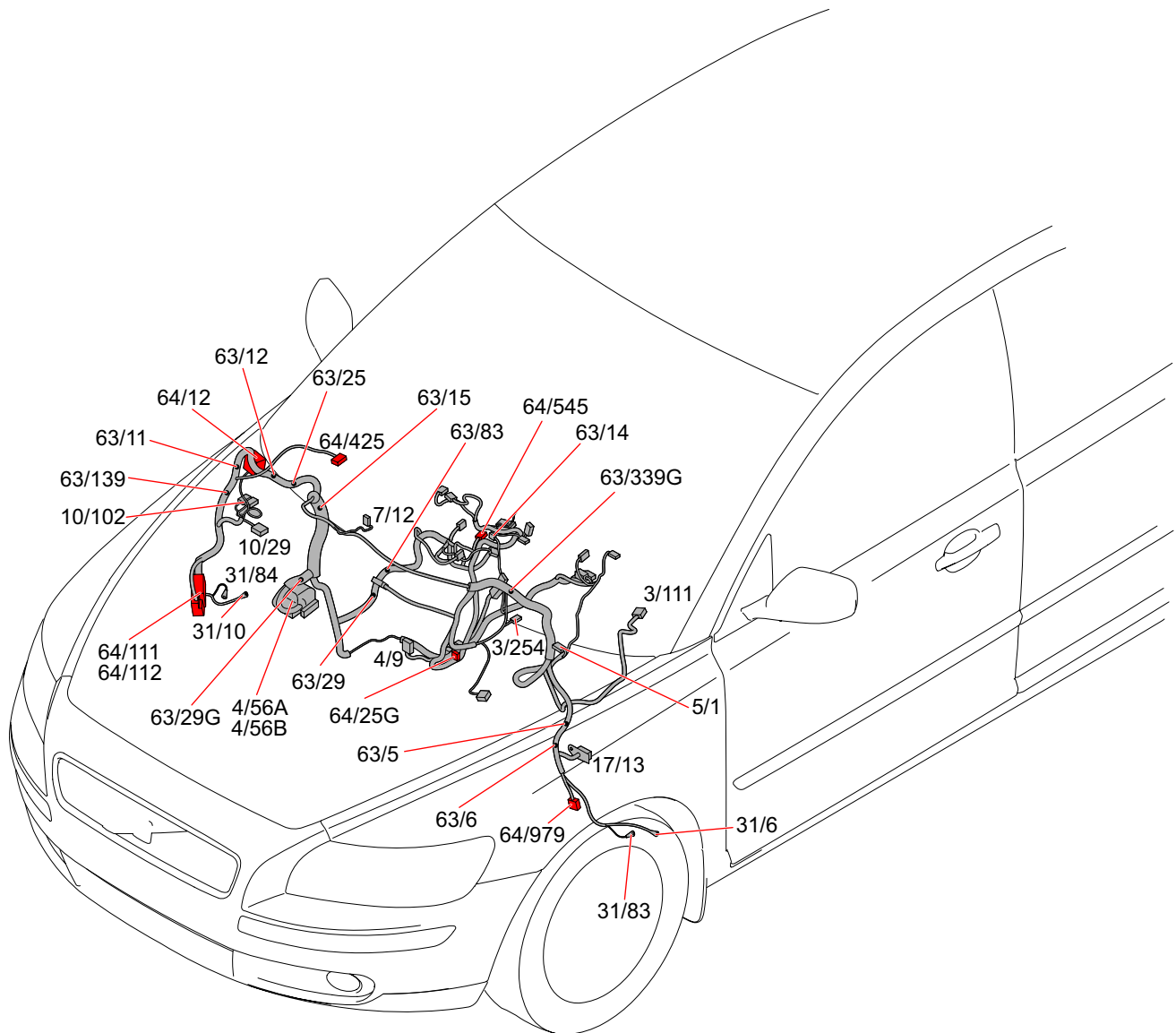
Cable harness routing in vehicle

Engine compartment harness



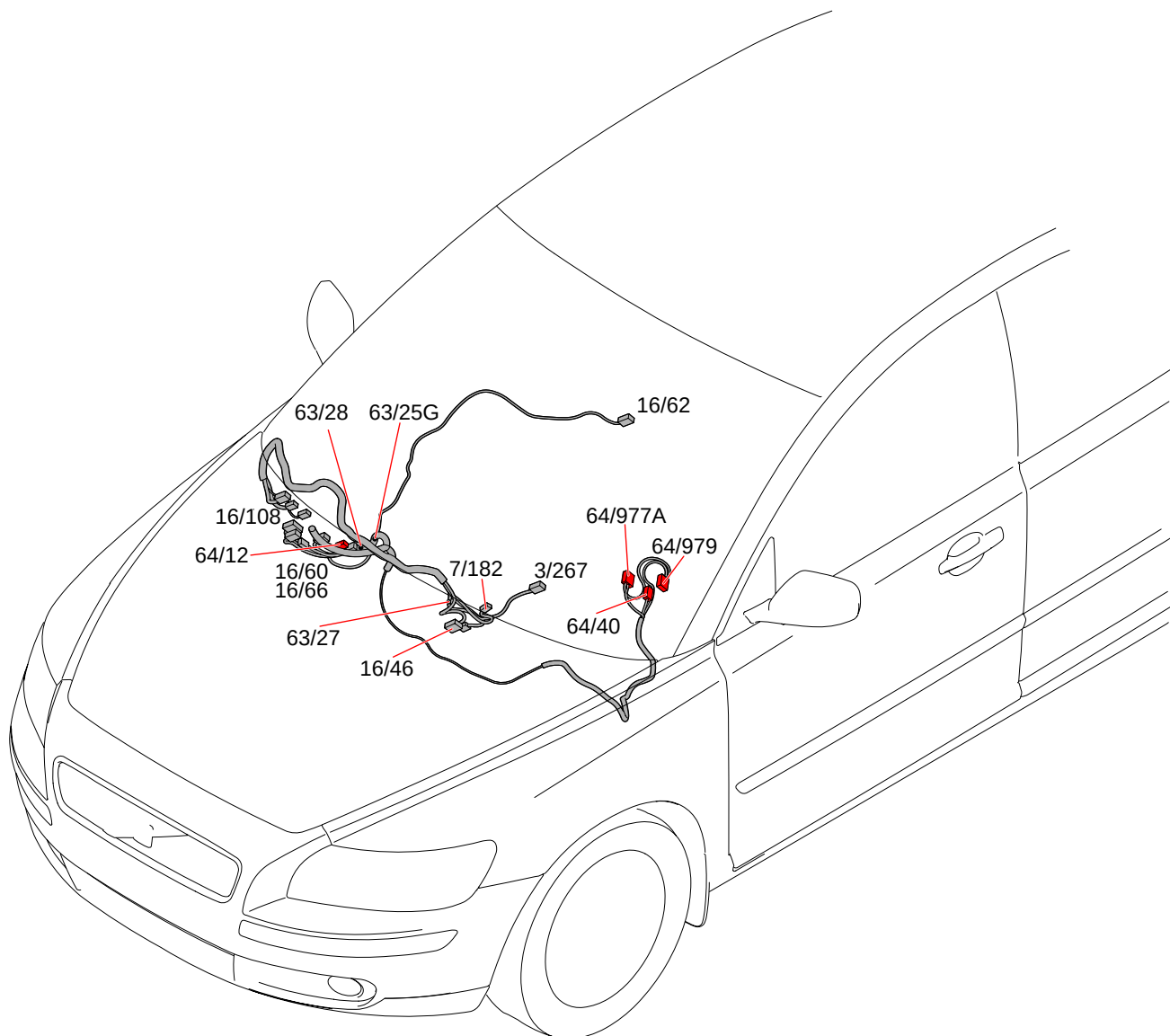
Cable harness routing in vehicle

Dashboard harness



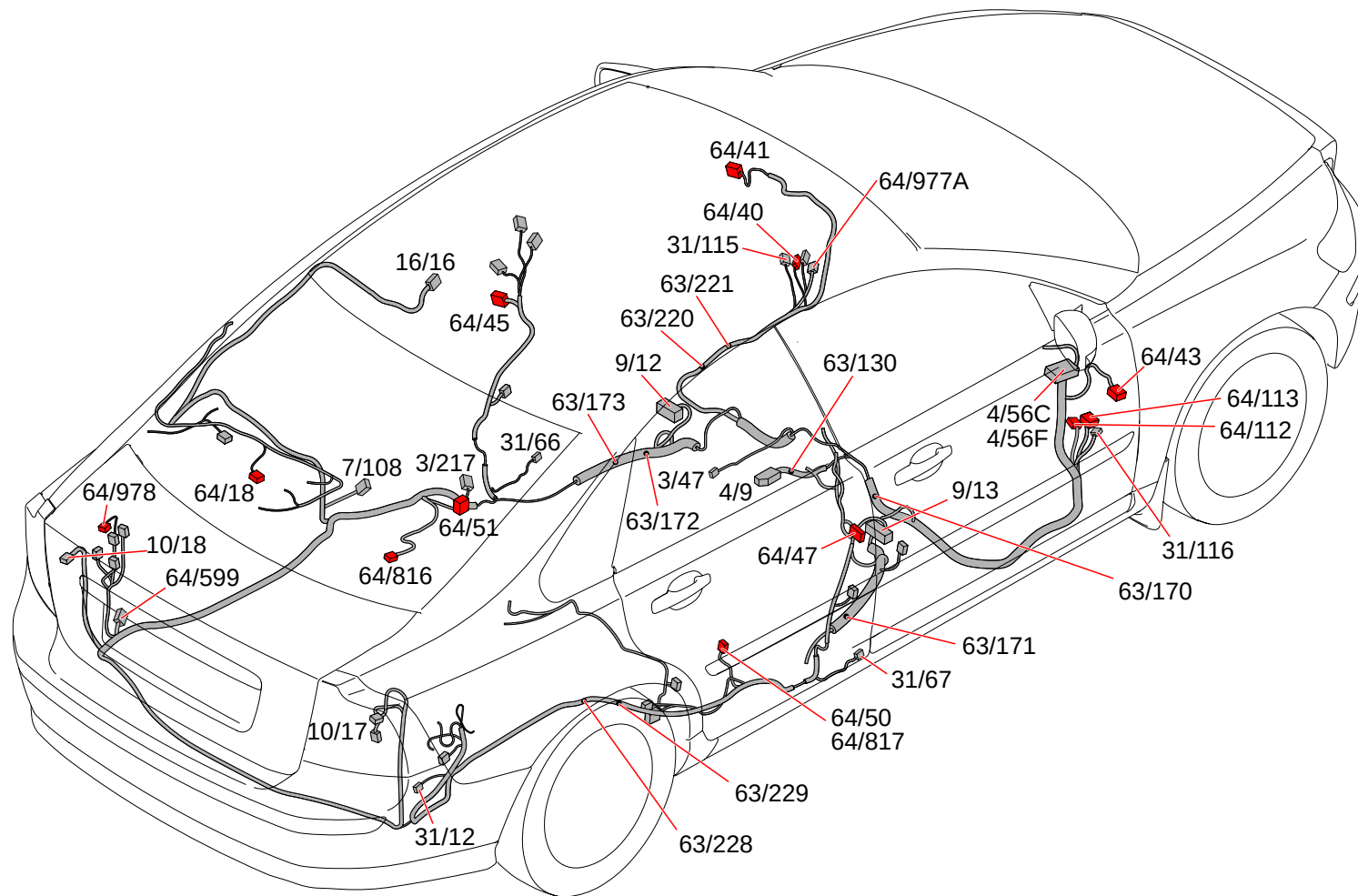
Cable harness routing in vehicle

Infotainment harness



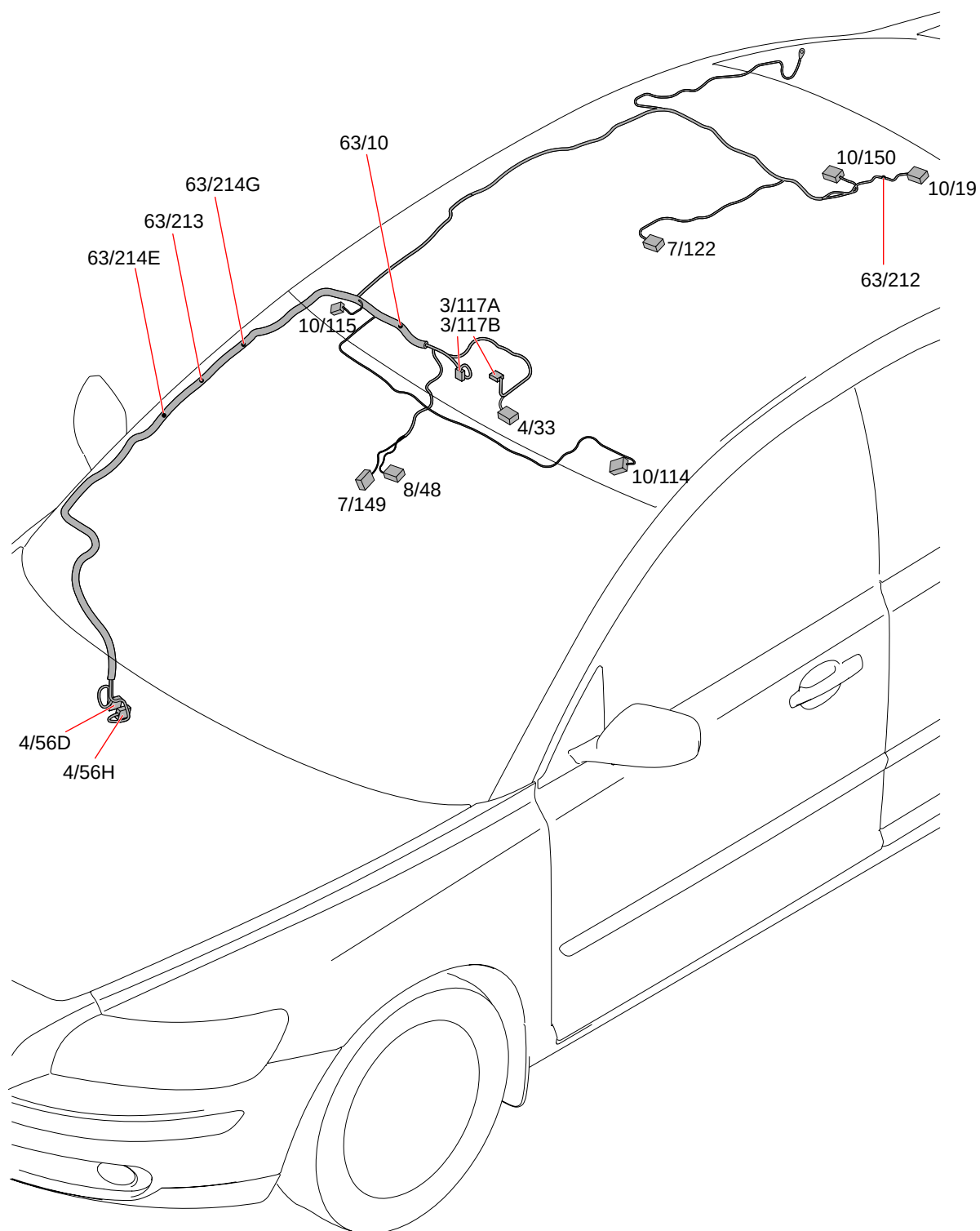
Cable harness routing in vehicle

Floor harness



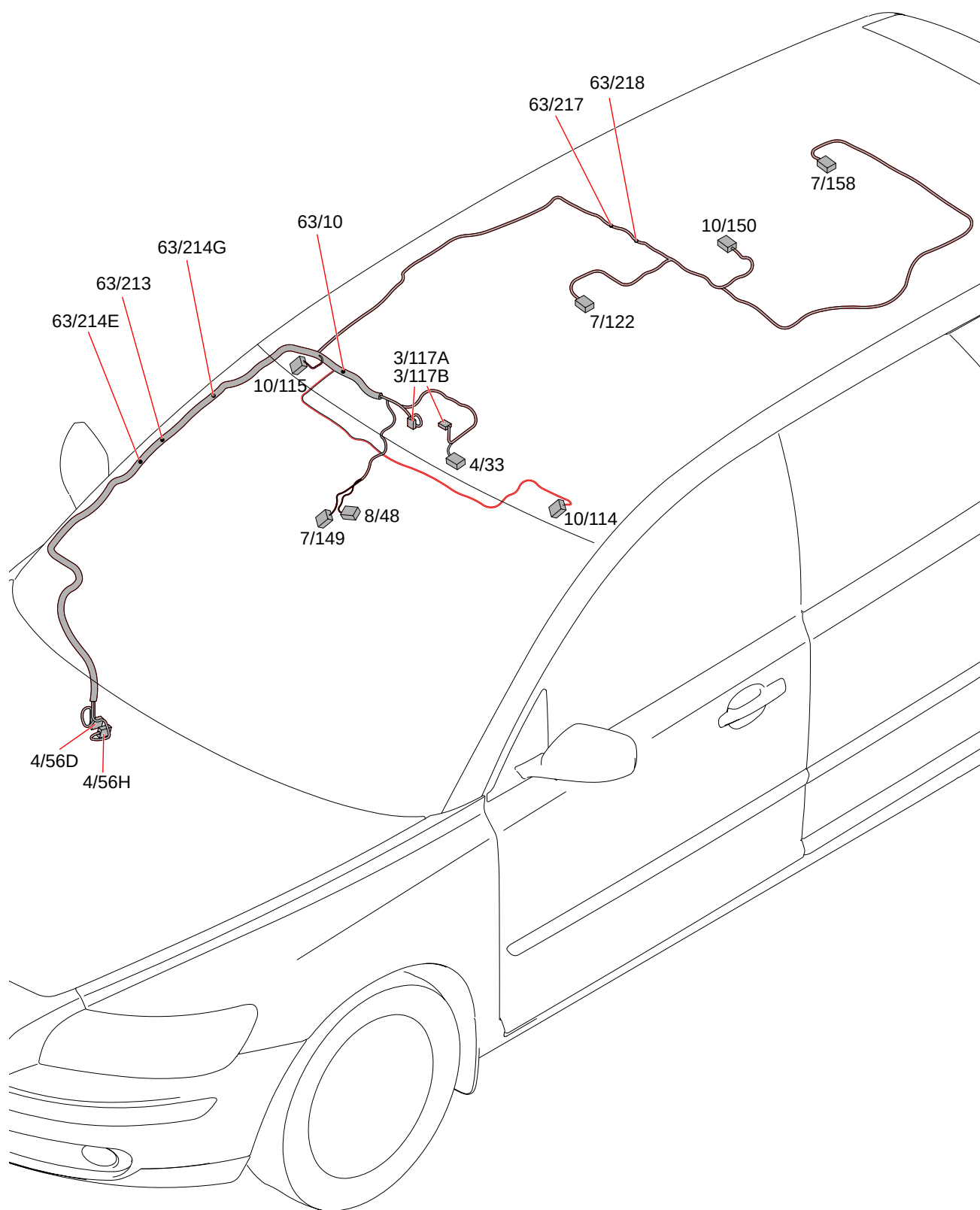
Cable harness routing in vehicle

Roof harness, S40



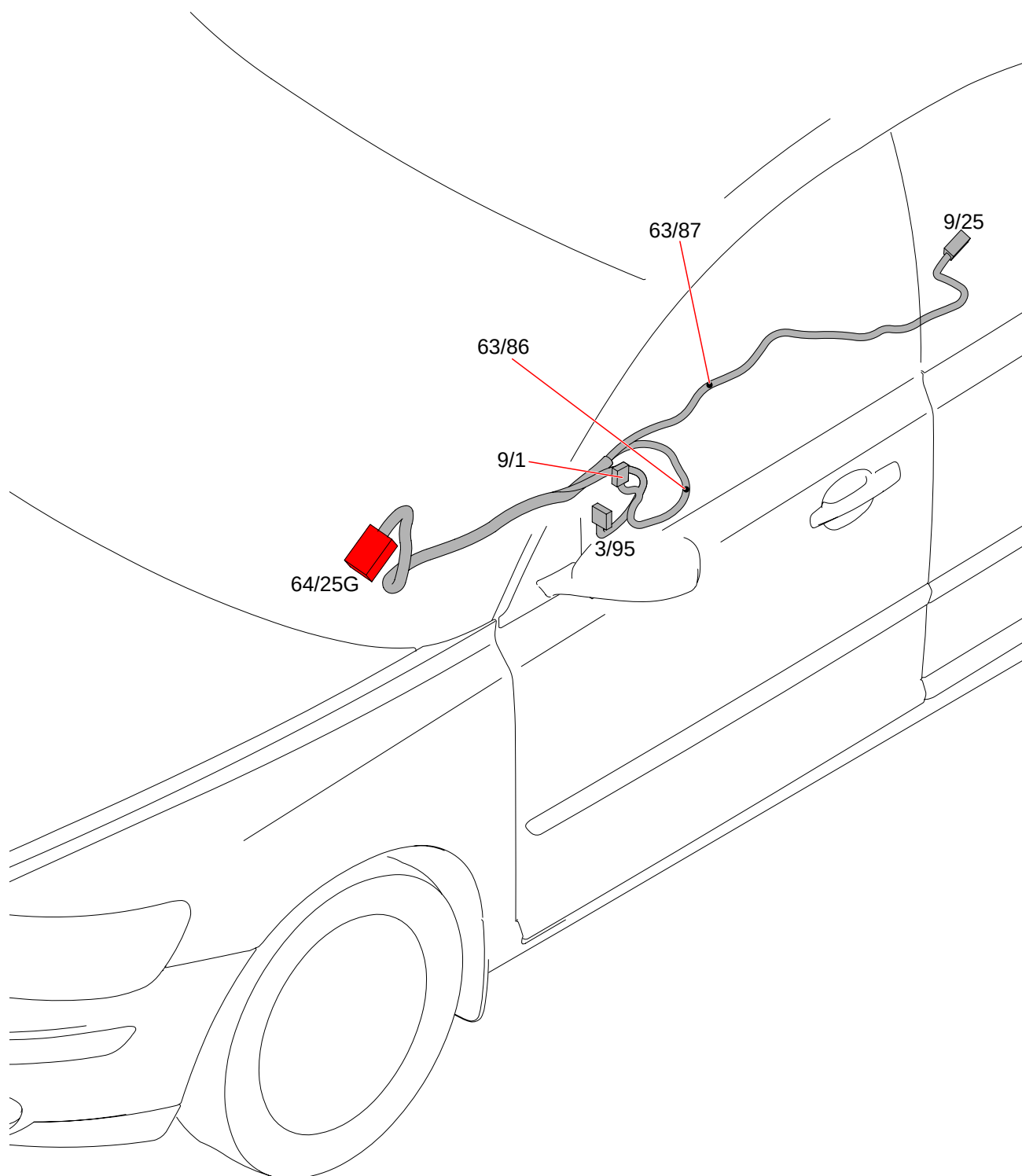
Cable harness routing in vehicle

Roof harness, V50



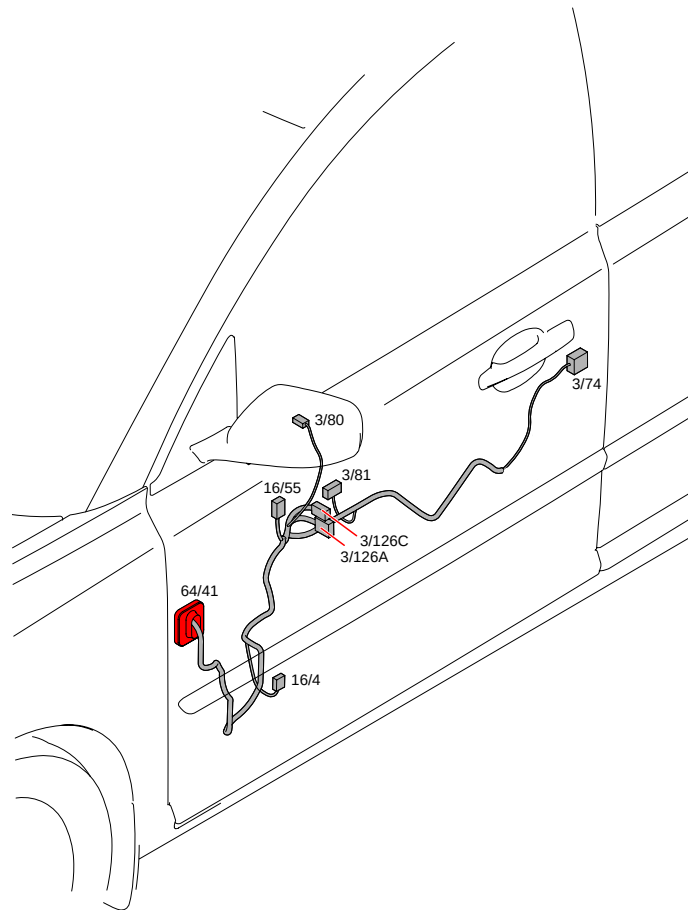
Cable harness routing in vehicle

Tunnel harness



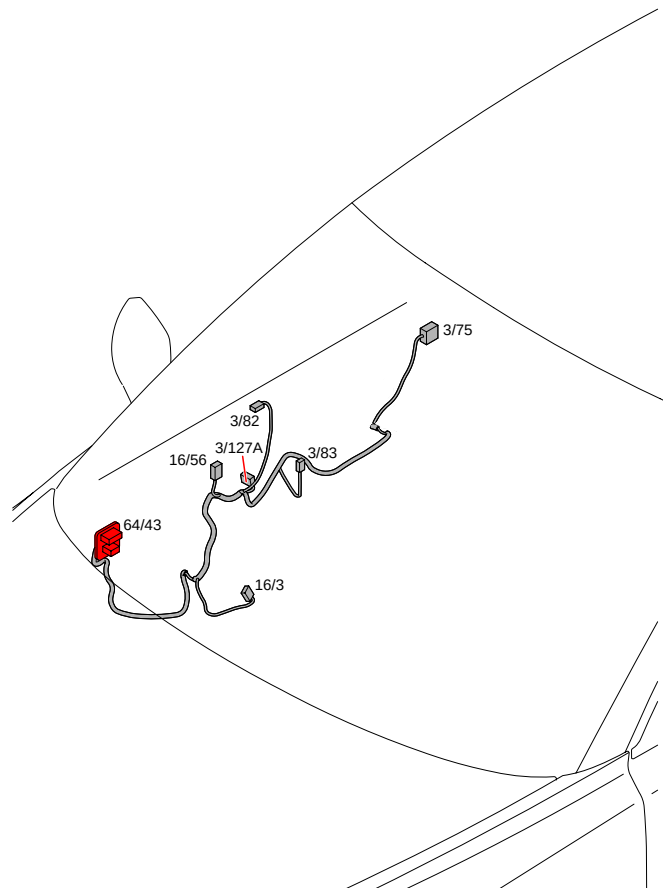
Cable harness routing in vehicle

Driver's door harness



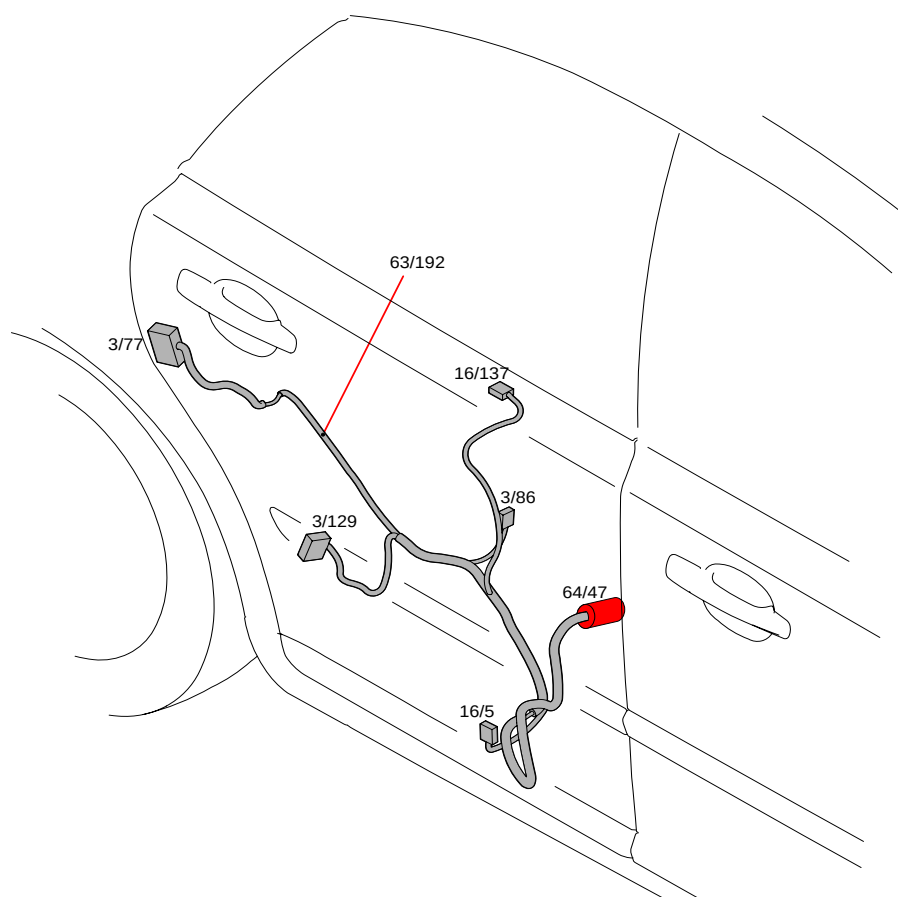
Cable harness routing in vehicle

Passenger door harness



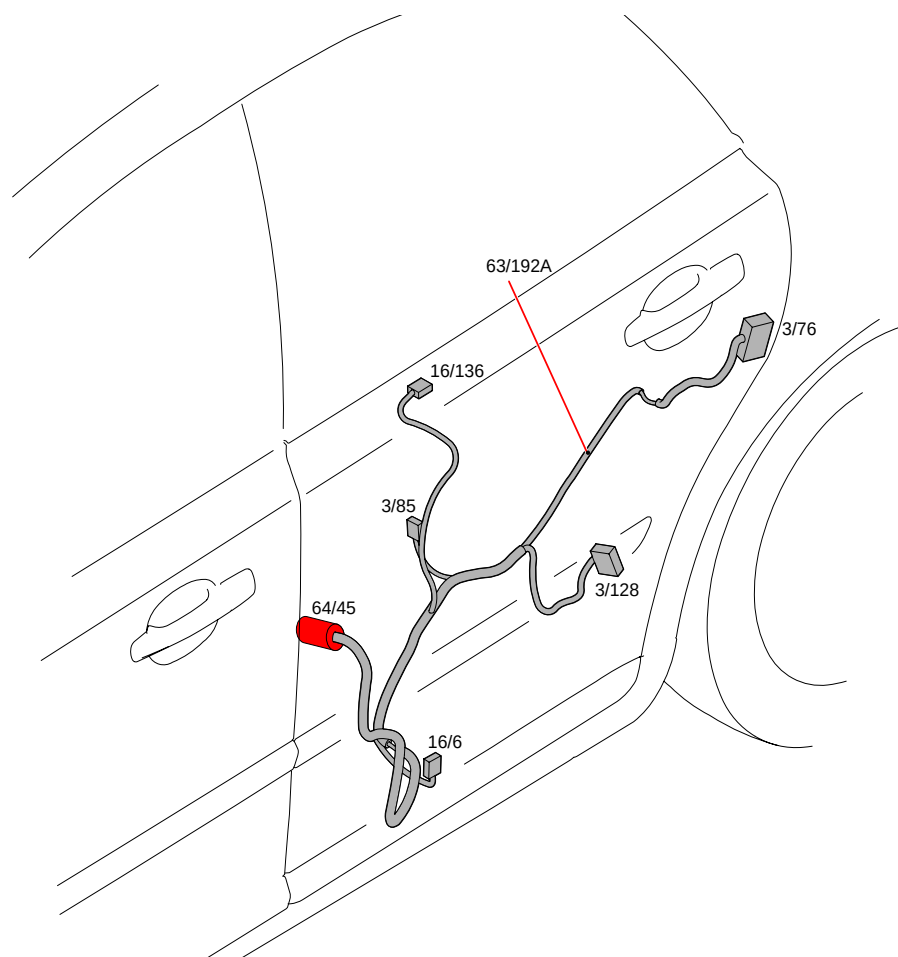
Cable harness routing in vehicle

Right rear door harness



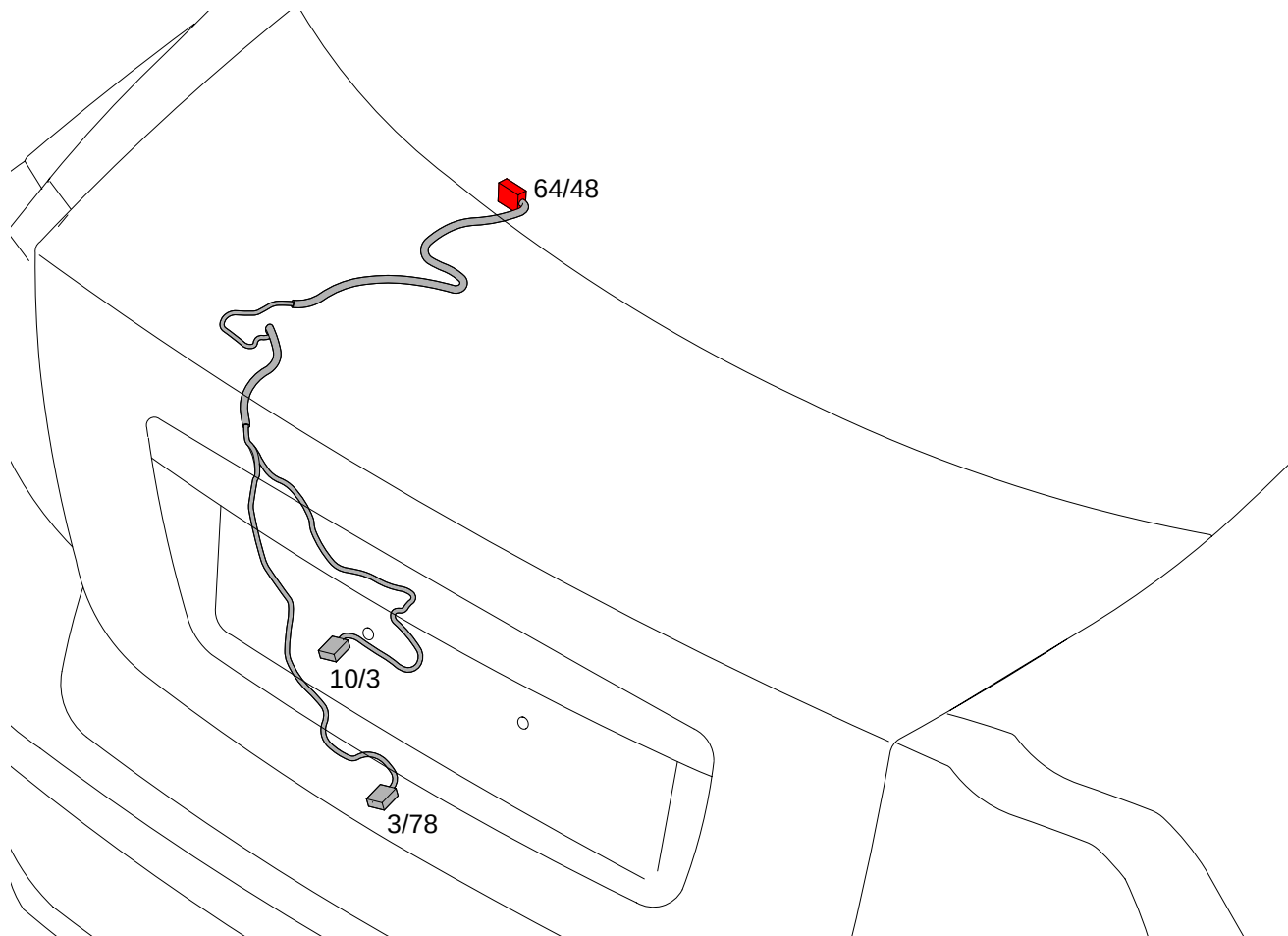
Cable harness routing in vehicle

Left rear door harness



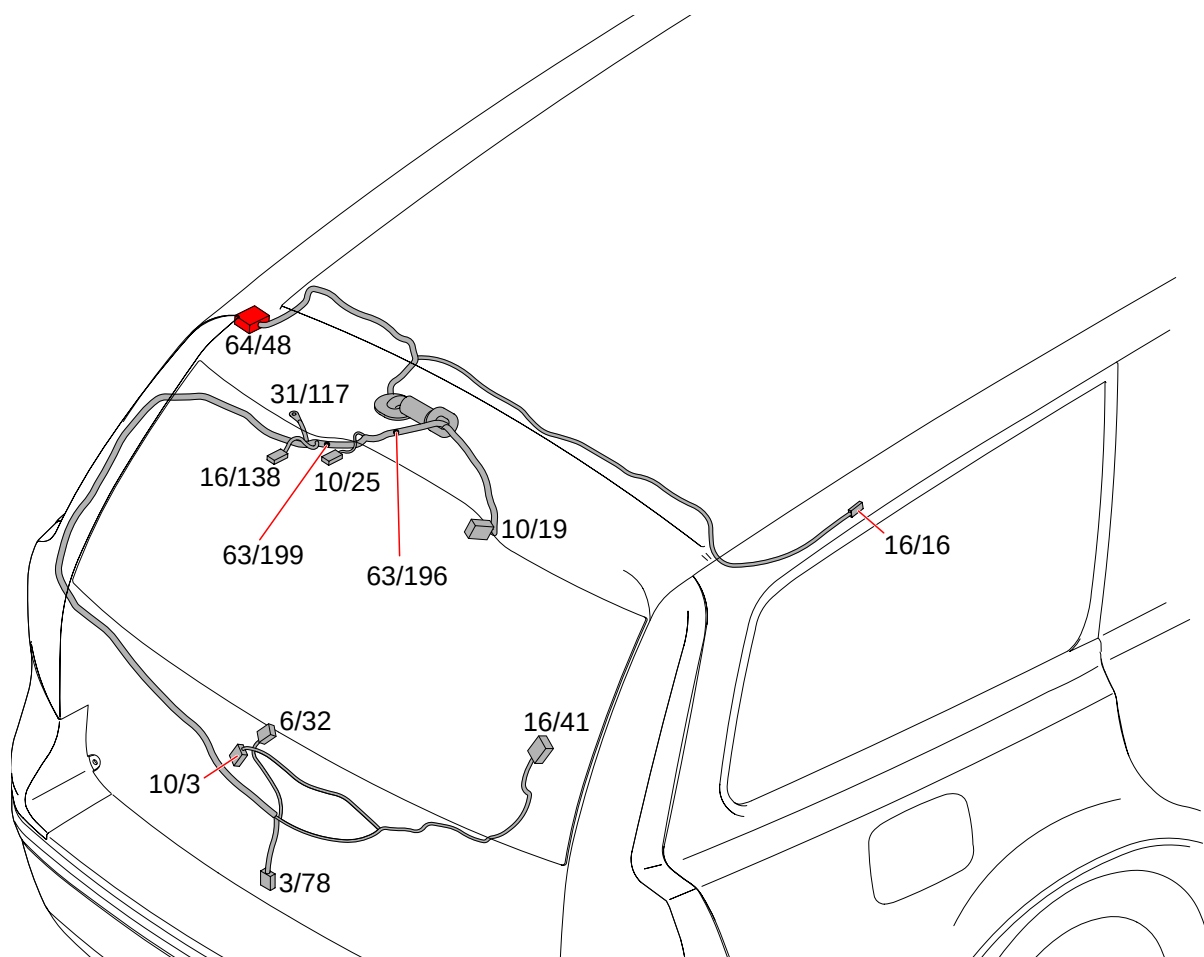
Cable harness routing in vehicle

Trunk lid/tailgate harness, S40



Cable harness routing in vehicle

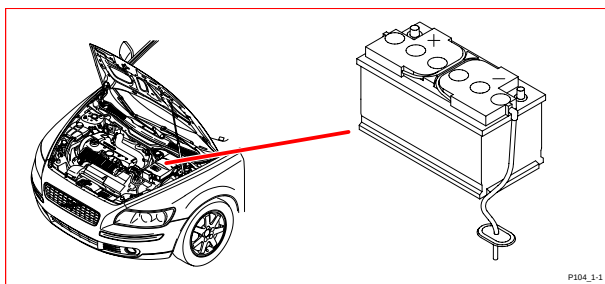
Trunk lid/tailgate harness, V50



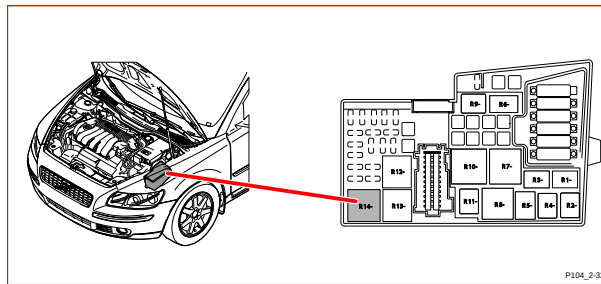
Component illustrations

1/1 - 2/64

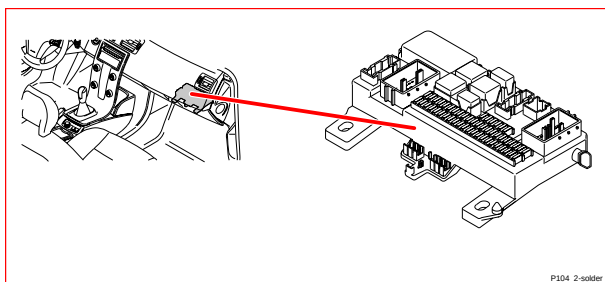
1/1 Battery



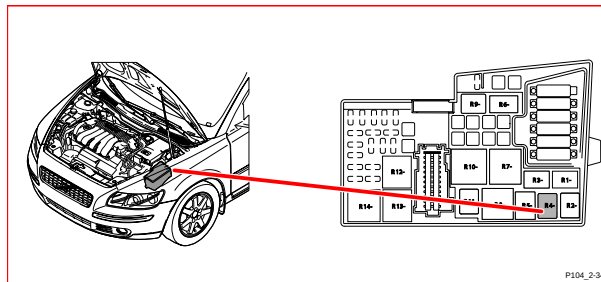
2/32 Main relay, engine management system



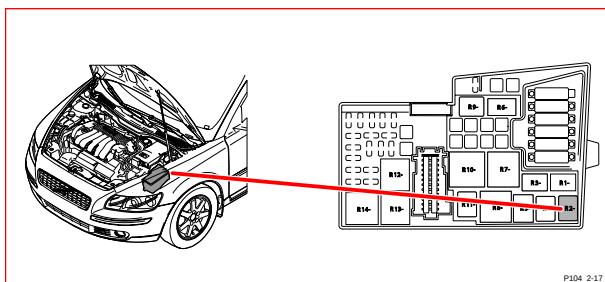
2/16 Relay, rear window wiper



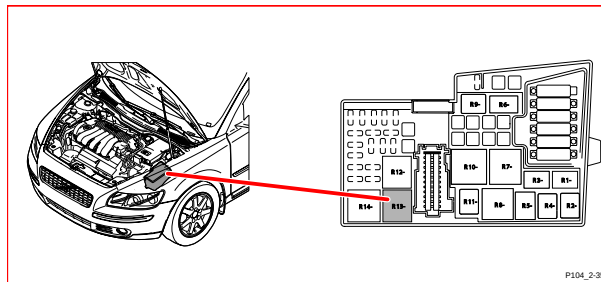
2/34 Relay, front fog lights



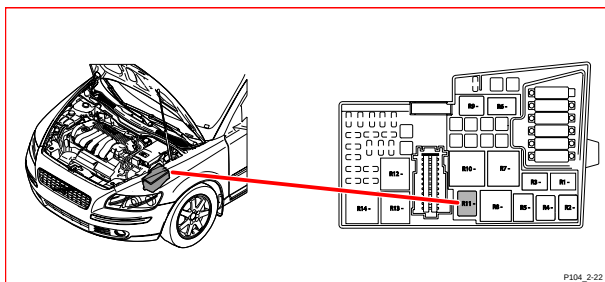
2/17 Relay, horn



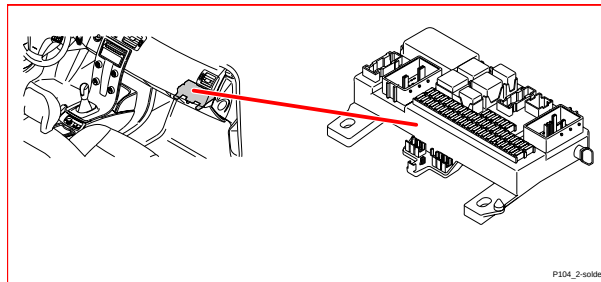
2/35 Relay, starter motor



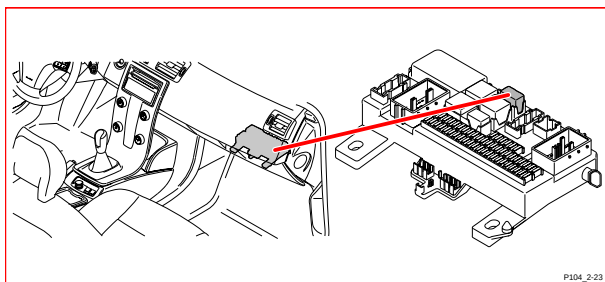
2/22 Relay, climate control system



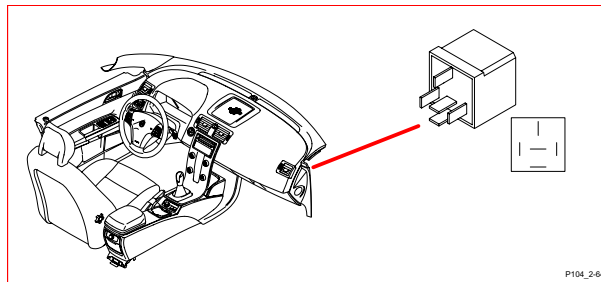
2/63 Relay, high beam



2/23 Fuel pump relay



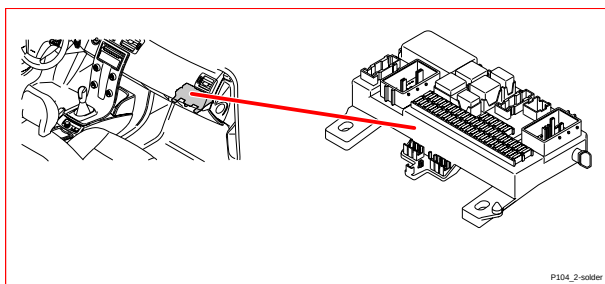
2/64 Relay, auxiliary light (accessory)



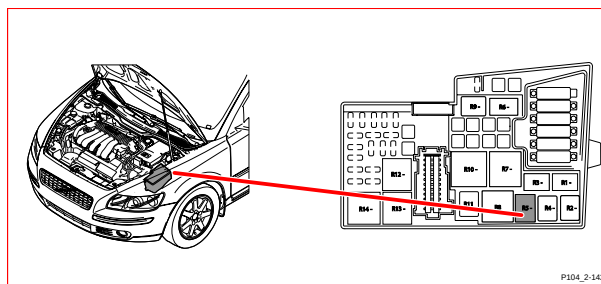
Component illustrations

2/80 - 2/192

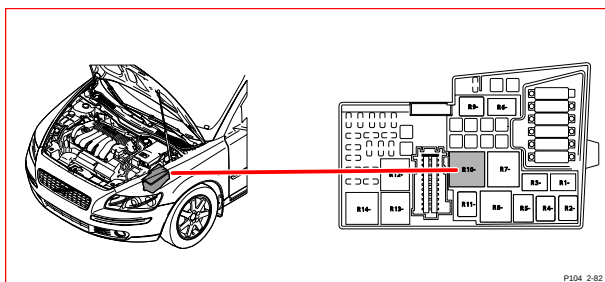
2/80 Relay, reversing lights



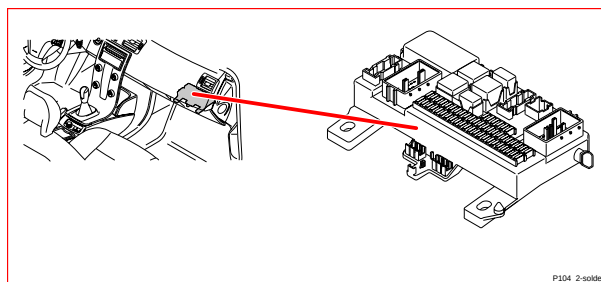
2/142 Relay, pre-heater, fuel filter



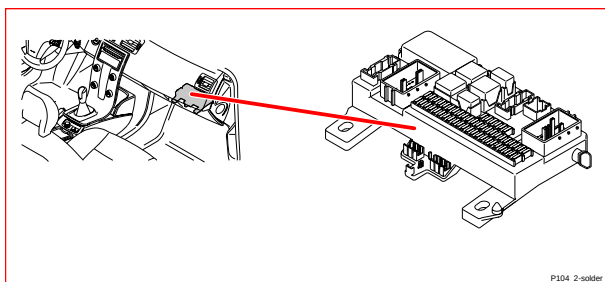
2/82 Relay, heated rear window



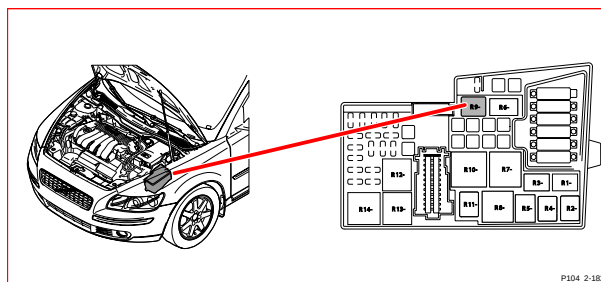
2/159 Relay, infotainment



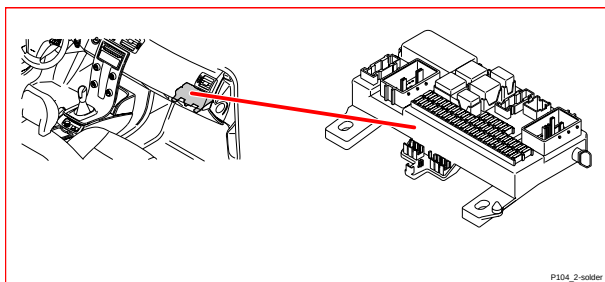
2/89 Relay, interior lighting



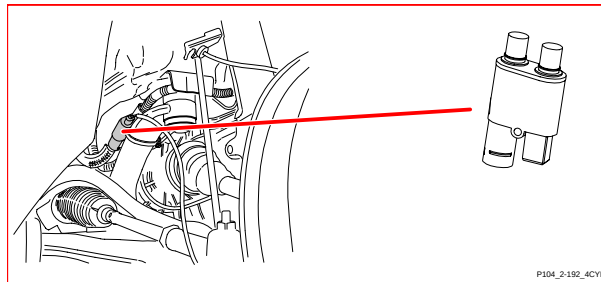
2/182 Relay, headlight washer motor



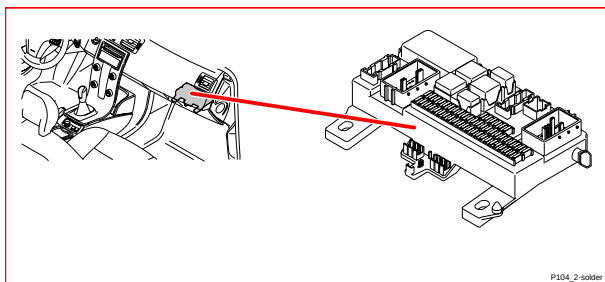
2/92 Relay, windshield washer motor



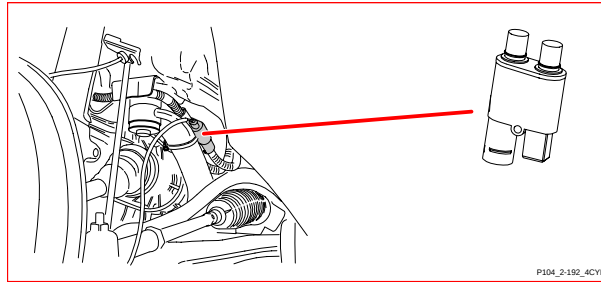
2/192 Relay, (230V), electric engine heater, Gasoline



2/93 Relay, rear window washer motor



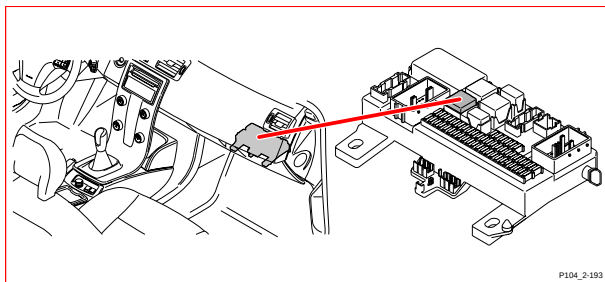
2/192 Relay (230V), electric engine heater, Diesel



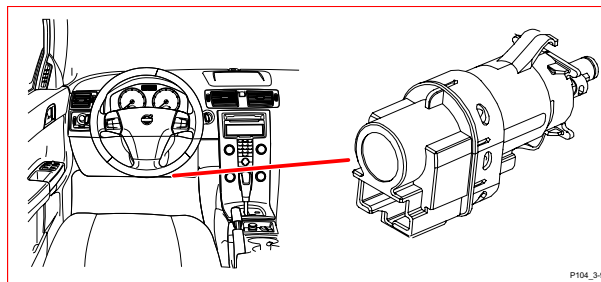
Component illustrations

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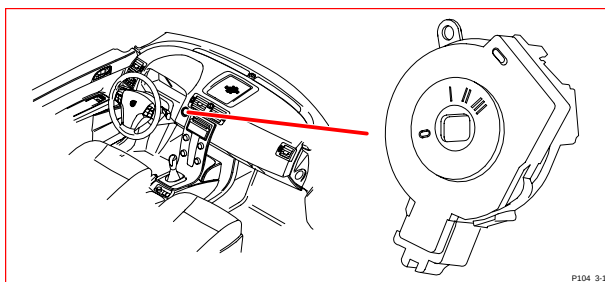
2/193 Relay, comfort functions



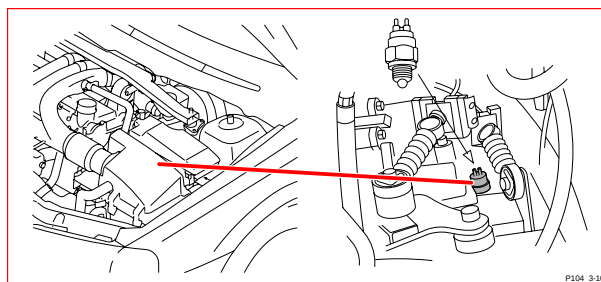
3/9 Brake light contact



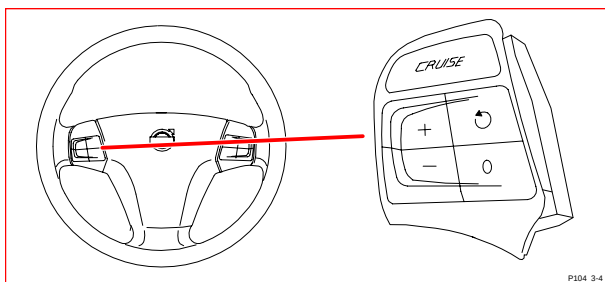
3/1 Ignition switch



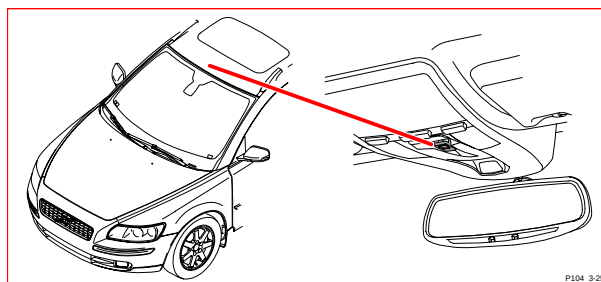
3/10 Reversing light contact



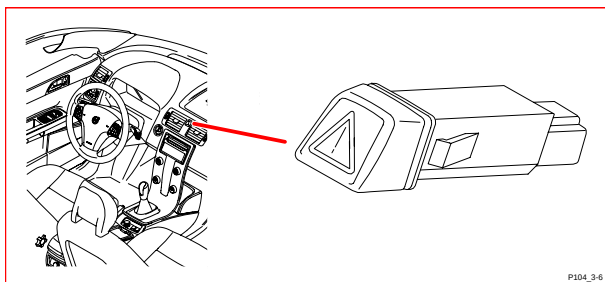
3/4 Switch unit, cruise control (SWS)



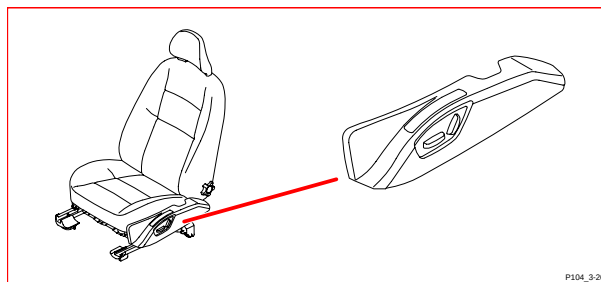
3/25 Switch, power sunroof



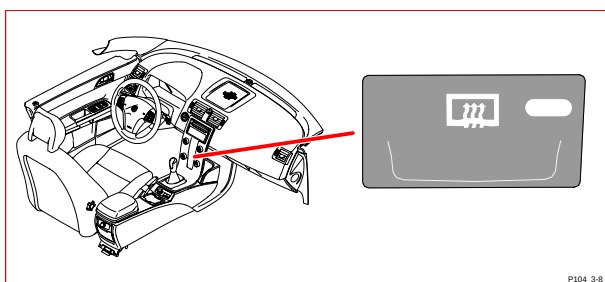
3/6 Switch, hazard warning flashers



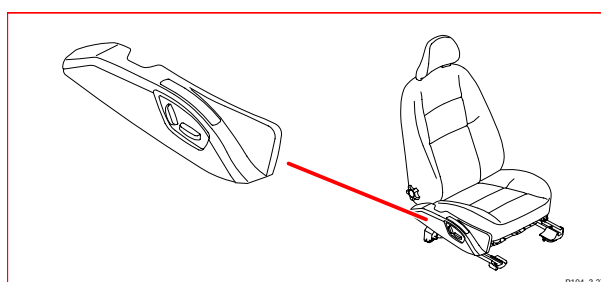
3/26 Switch unit, power driver's seat



3/8 Switch, heated rear window/door mirror



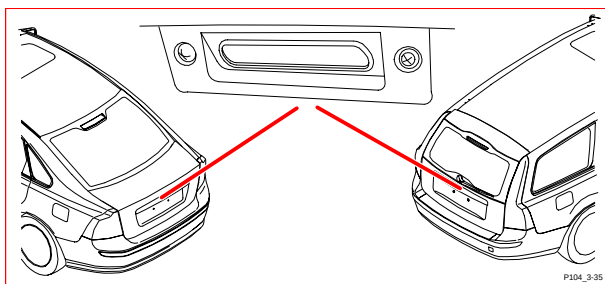
3/27 Switch unit, power passenger seat



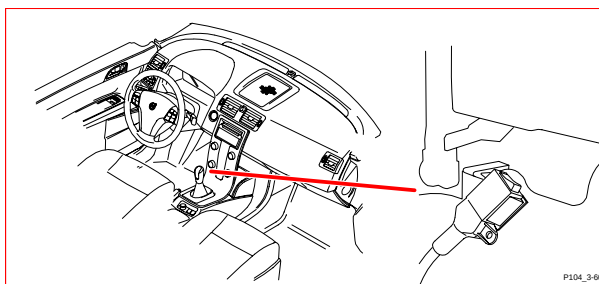
Component illustrations

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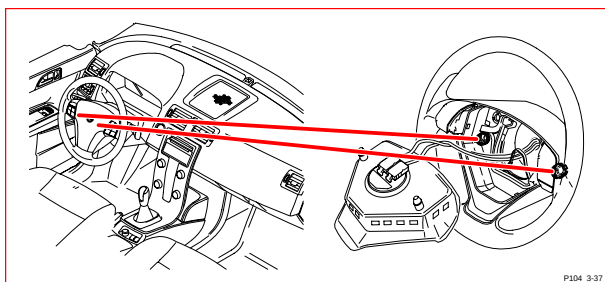
3/35 Switch, trunk/tailgate handle



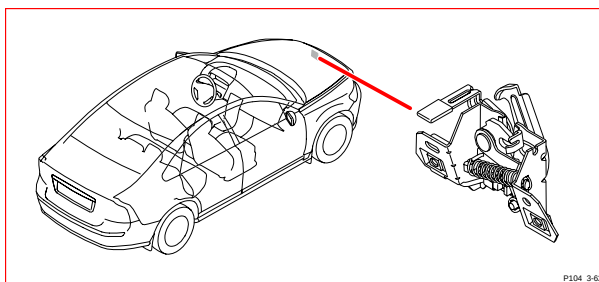
3/60 Switch, auxiliary light



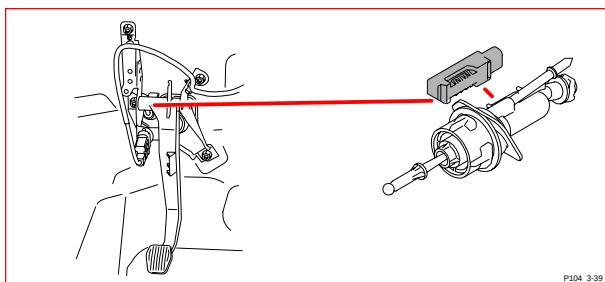
3/37 Horn contact



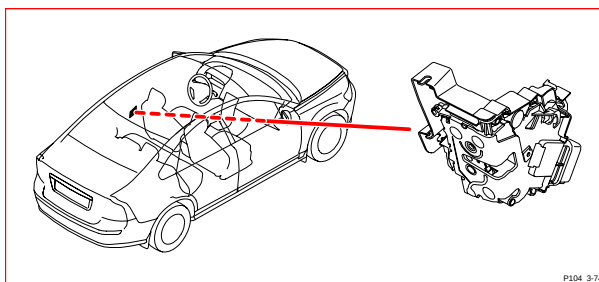
3/62 Hood alarm contact



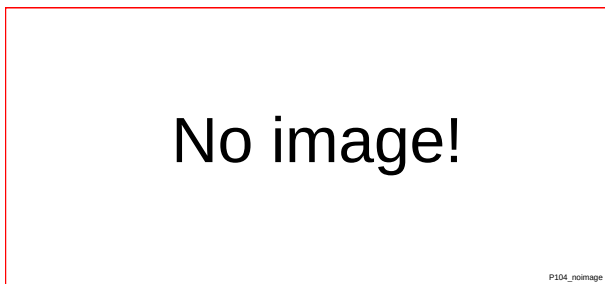
3/39 Clutch pedal contact



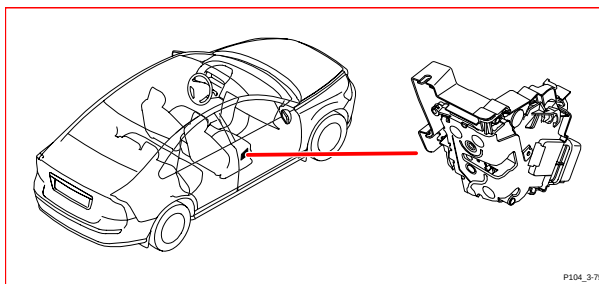
3/74 Lock unit, driver's door



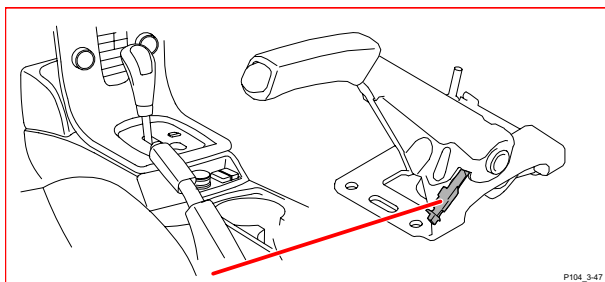
3/46 Seat contact, passenger seat



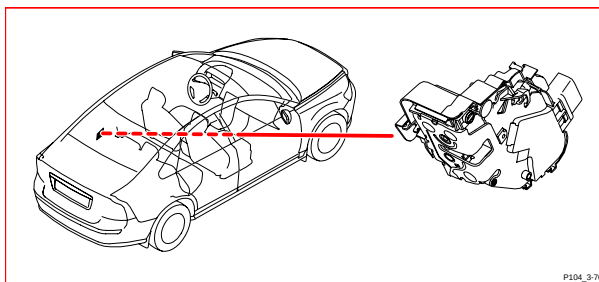
3/75 Lock unit, passenger door



3/47 Parking brake contact



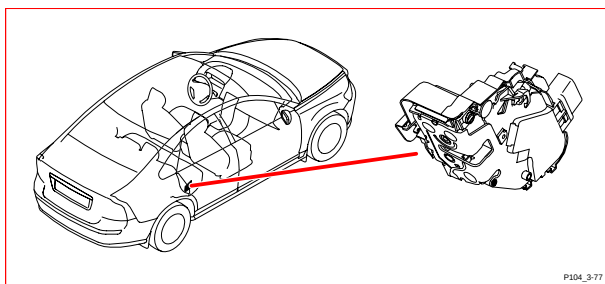
3/76 Lock unit, left rear door



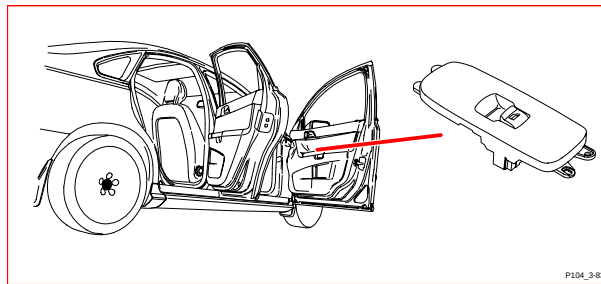
Component illustrations

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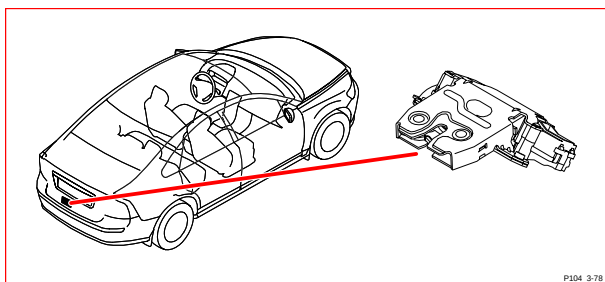
3/77 Lock unit, right rear door



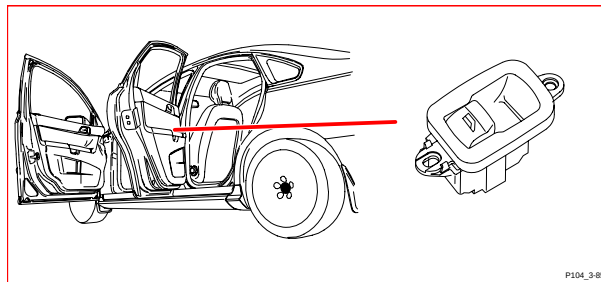
3/83 Power window switch, passenger door



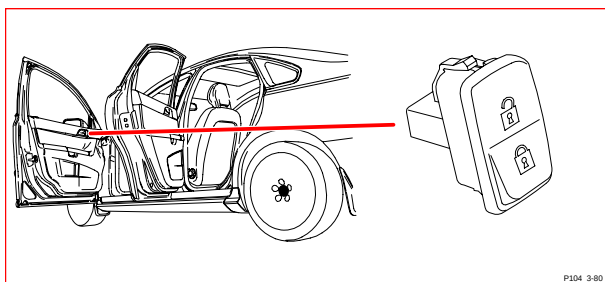
3/78 Lock unit, trunk lid/tailgate



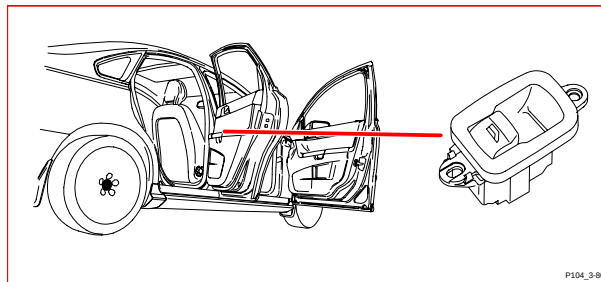
3/85 Power window switch, left rear door



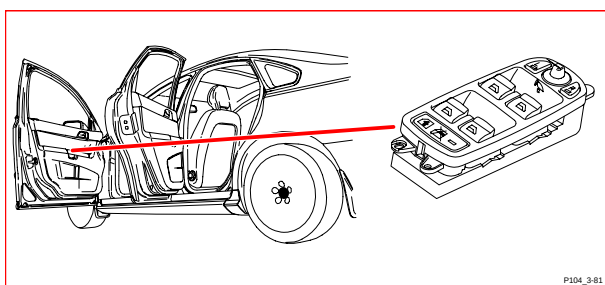
3/80 Switch, central locking, driver's door



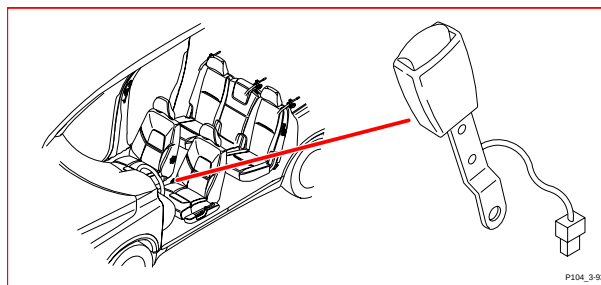
3/86 Power window switch, right rear door



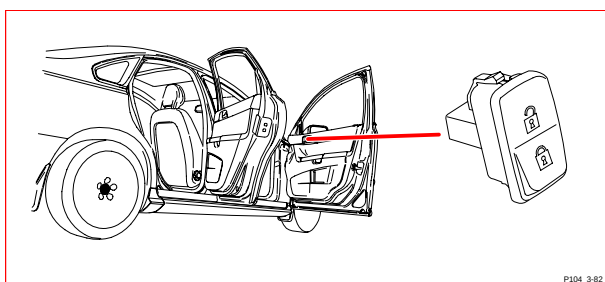
3/81 Power window switches, driver's door



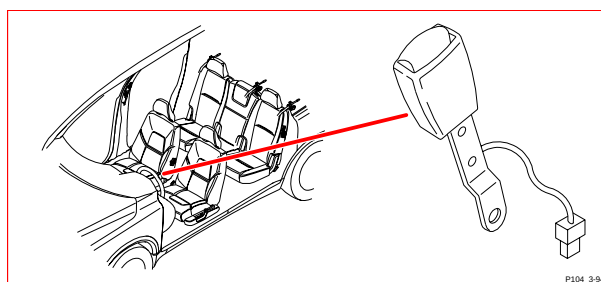
3/93 Belt buckle contact, driver's seat



3/82 Switch, central locking, passenger door



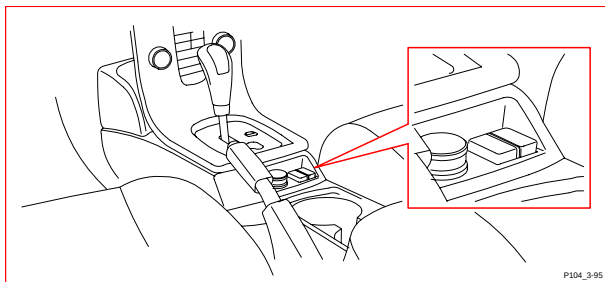
3/94 Belt buckle contact, passenger seat



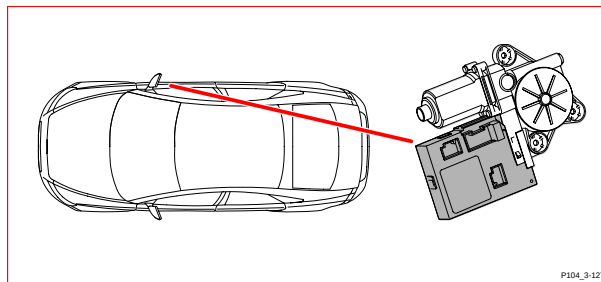
Component illustrations

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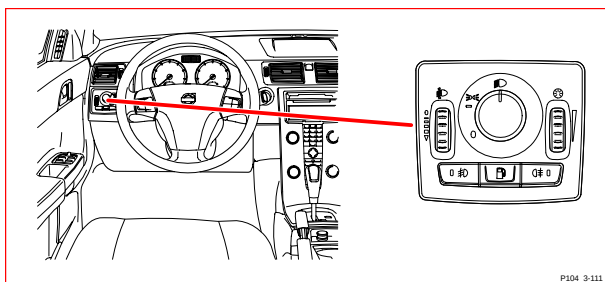
3/95 Spin control switch



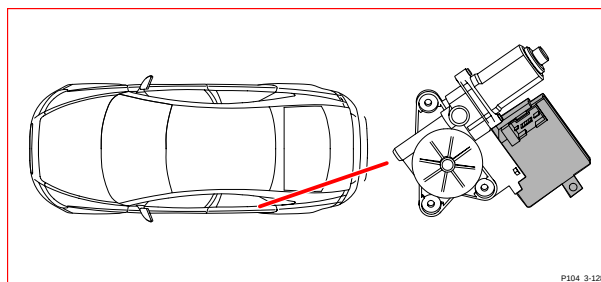
3/127 Passenger Door Module (PDM)



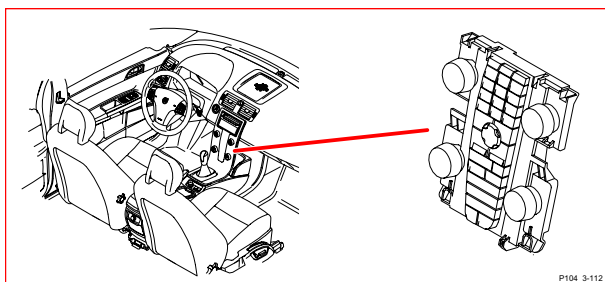
3/111 Switch unit, lights



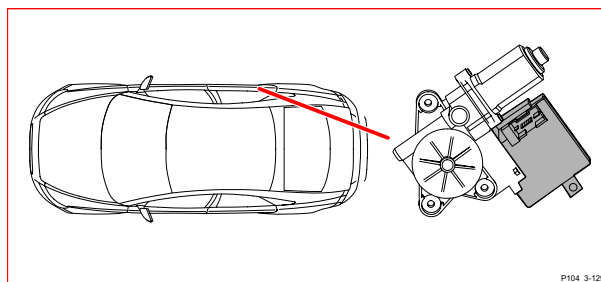
3/128 Left Rear Door Module (LDM)



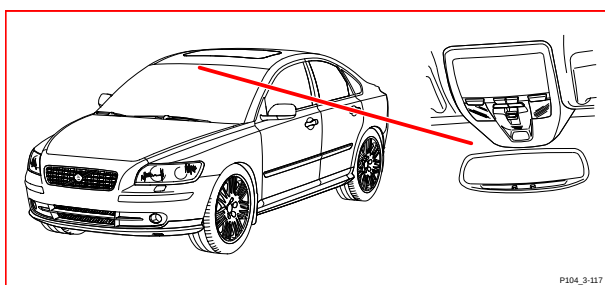
3/112 Climate Control Module (CCM)



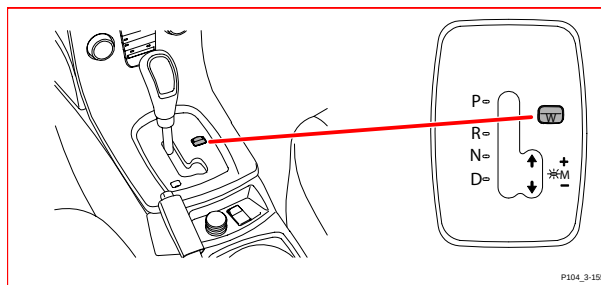
3/129 Right Rear Door Module (RDM)



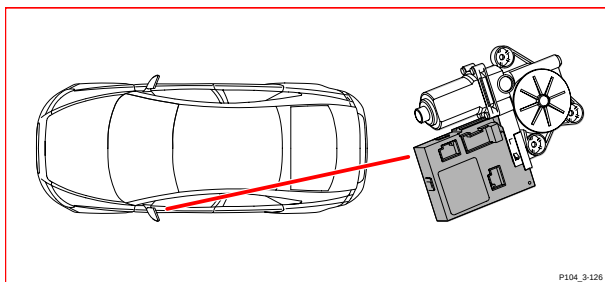
3/117 Switch unit, ceiling light



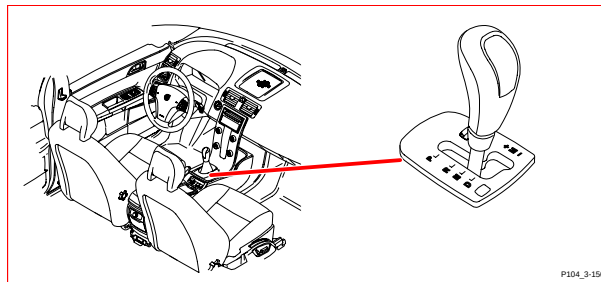
3/155 Automatic transmission program selector



3/126 Driver's Door Module (DDM)



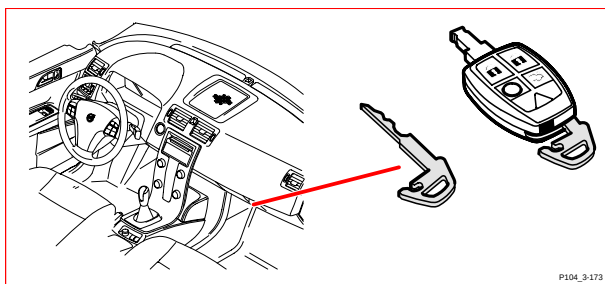
3/156 Gear Selector Module (GSM)



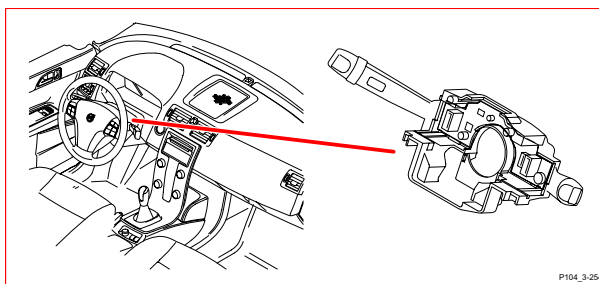
Component illustrations

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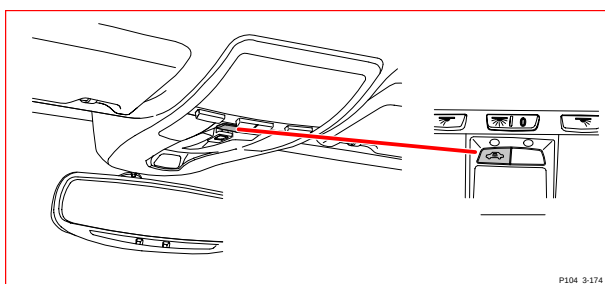
3/173 Switch, trunk lid/tailgate private lock



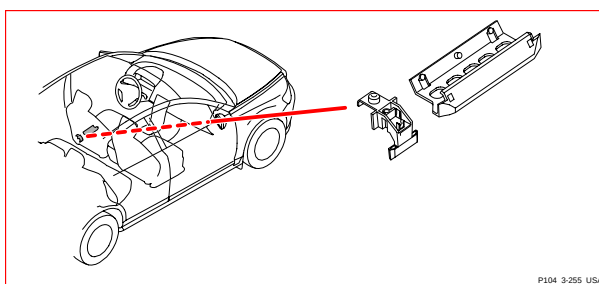
3/254 Steering Wheel Module (SWM)



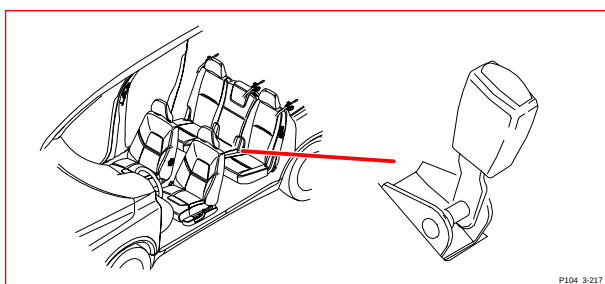
3/174 Switch, reduced alarm



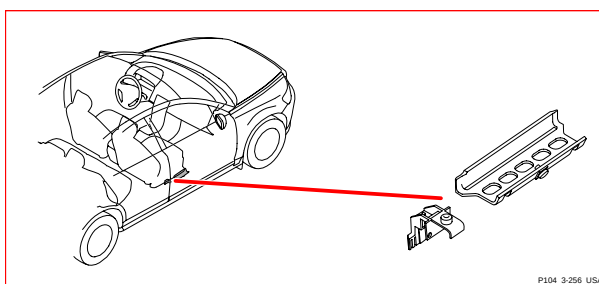
3/255 Position sensor, driver's seat



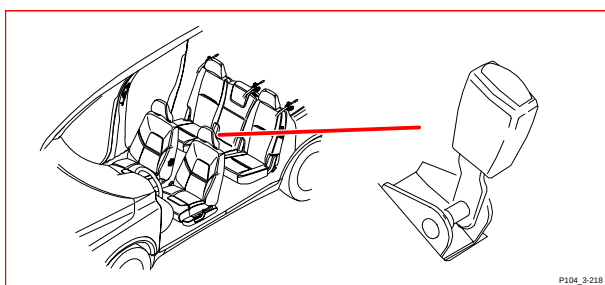
3/217 Belt buckle contact, left rear



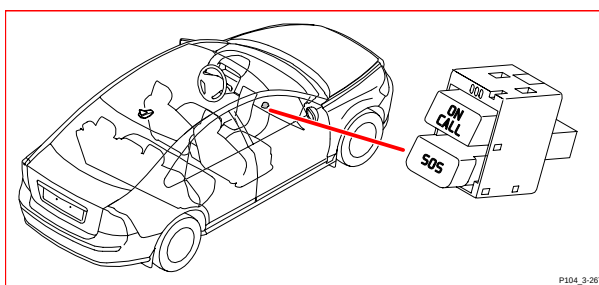
3/256 Position sensor, passenger seat



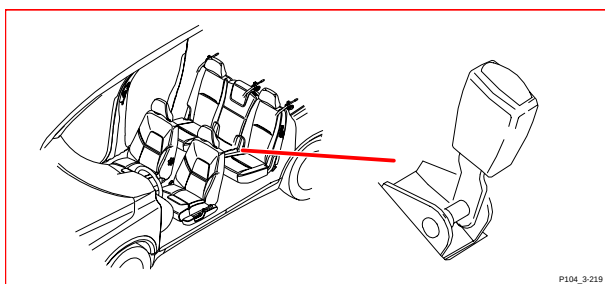
3/218 Belt buckle contact, center rear



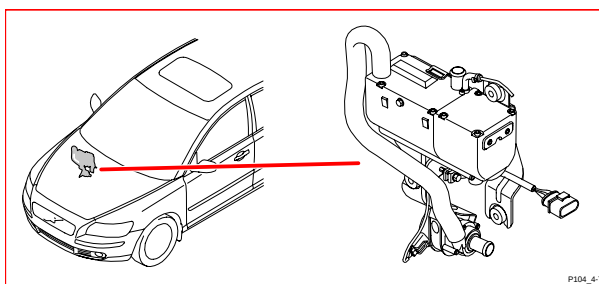
3/267 Telematics switch unit



3/219 Belt buckle contact, right rear



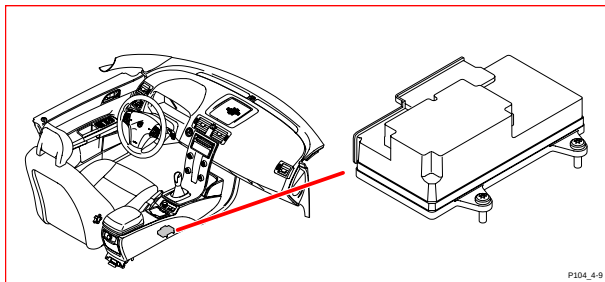
4/7 Combustion Preheater Module (CPM)



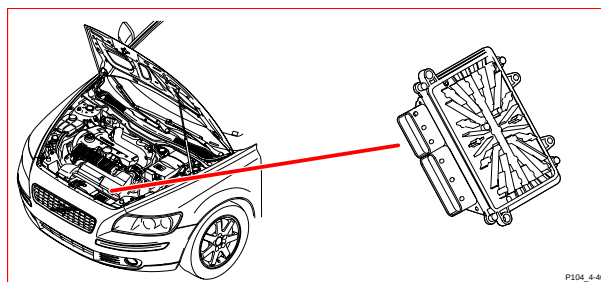
Component illustrations

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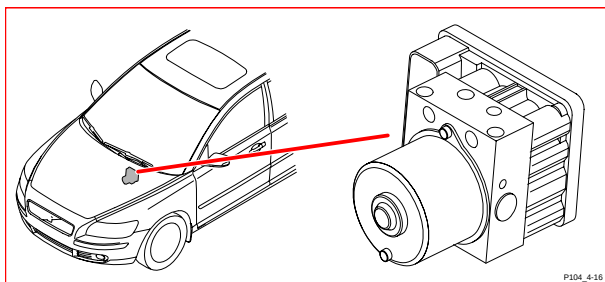
4/9 Supplemental Restraint System Module (SRS)



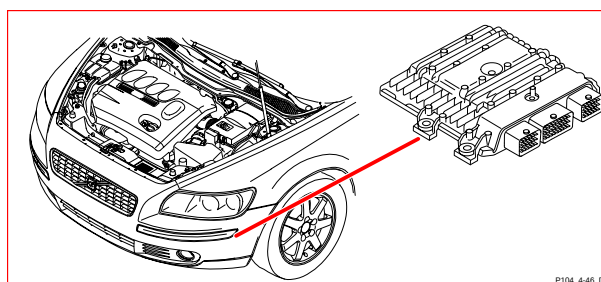
4/46 Engine Control Module (ECM)



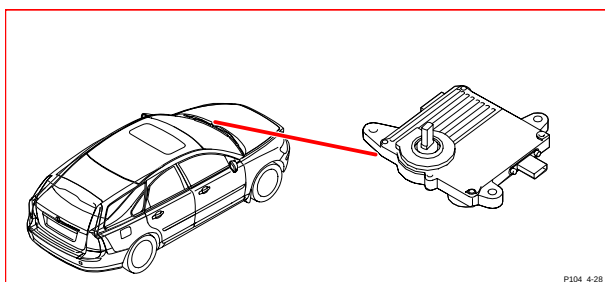
4/16 Brake Control Module (BCM)



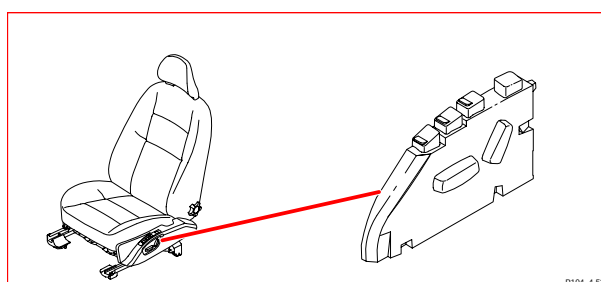
4/46 Engine Control Module (ECM), Diesel



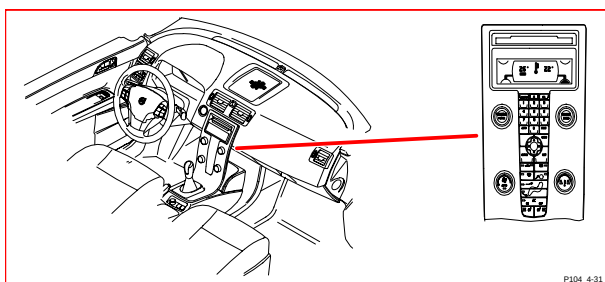
4/28 Transmission Control Module (TCM)



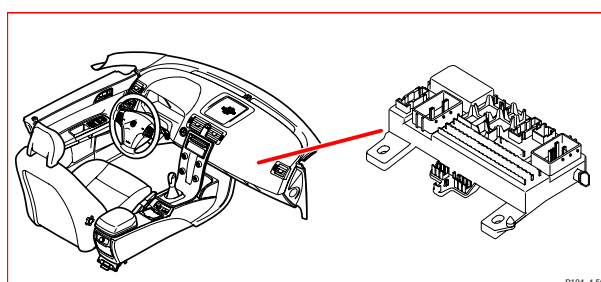
4/52 Power Seat Module (PSM)



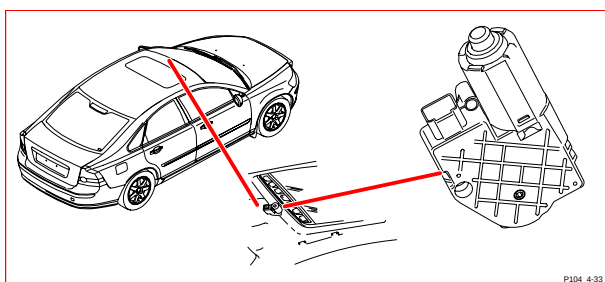
4/31 Fan control module



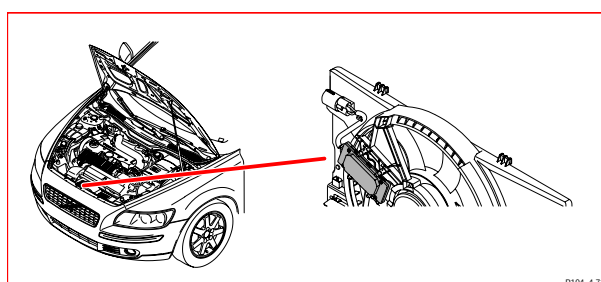
4/56 Central Electronic Module (CEM)



4/33 Sunroof control module



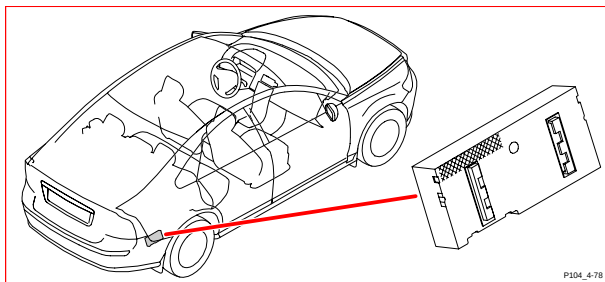
4/71 Cooling fan control module



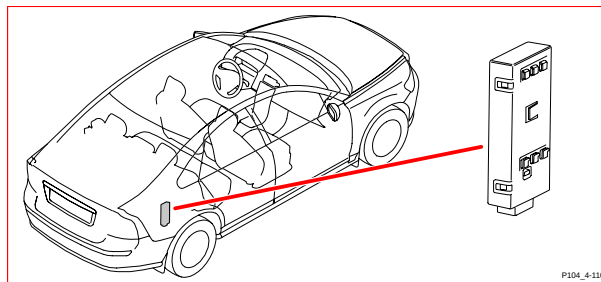
Component illustrations

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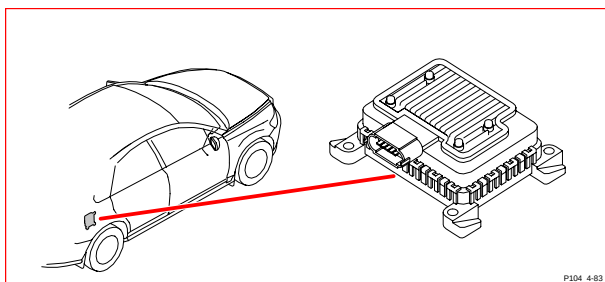
4/78 Accessory Electronic Module (AEM)



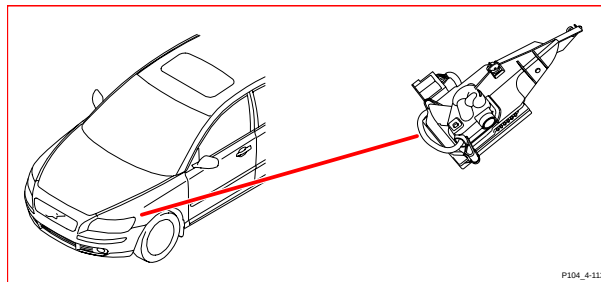
4/110 Trailer Module (TRM)



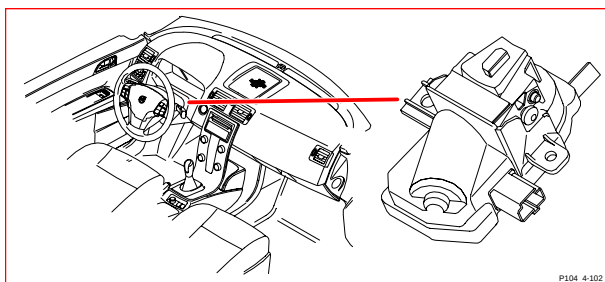
4/83 Fuel pump control module



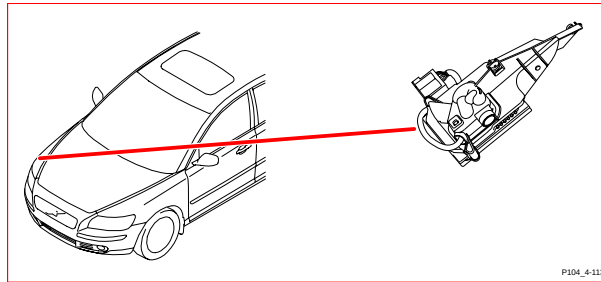
4/112 Control module, gas discharge lamp master, left



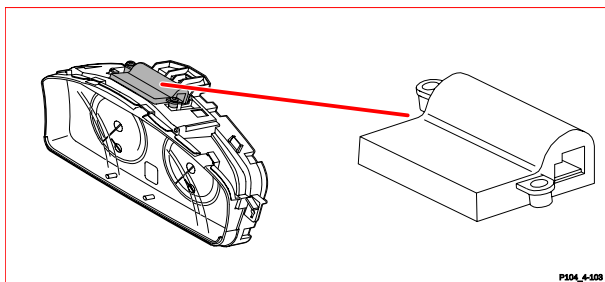
4/102 Steering Column Lock Module (SCL)



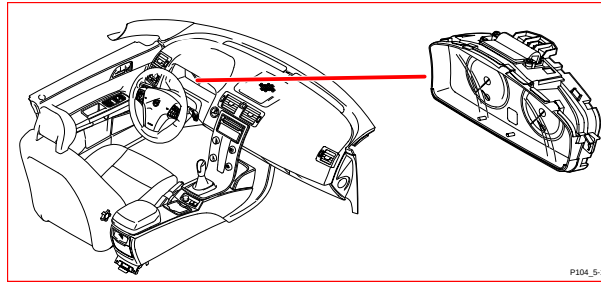
4/113 Control module, gas discharge lamp slave, right



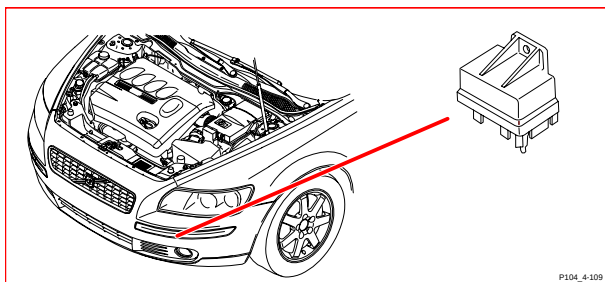
4/103 Remote Entry (RRX)



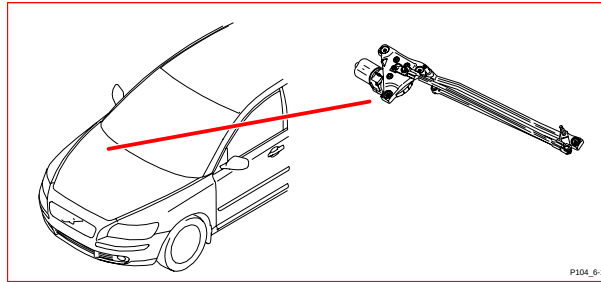
5/1 Driver Information Module (DIM)



4/109 Glow plug control module



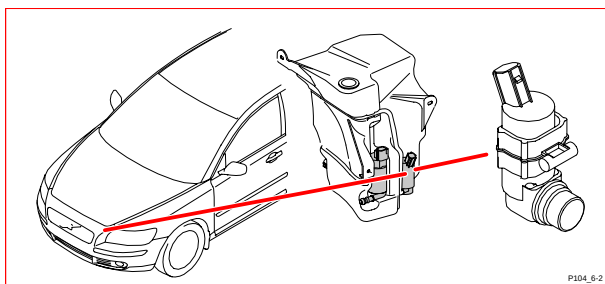
6/1 Wiper Motor Module (WMM)



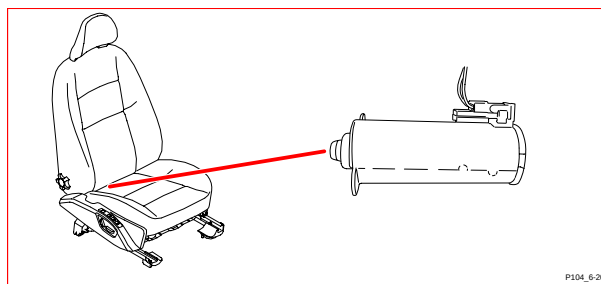
Component illustrations

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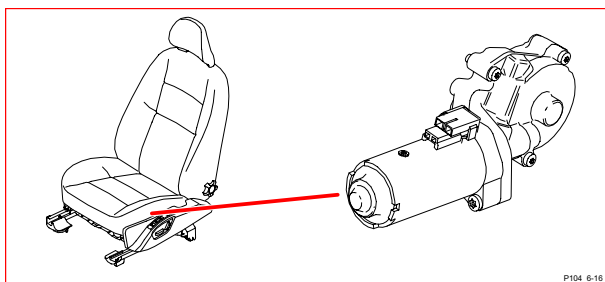
6/2 Washer pump



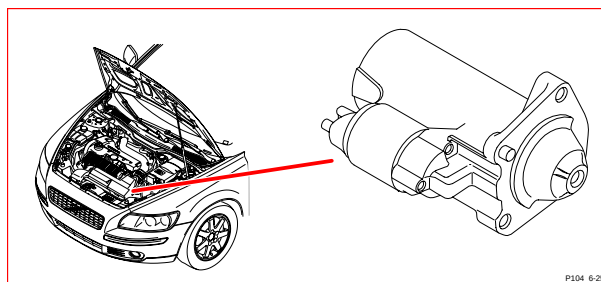
6/20 Passenger seat motor, forward/aft



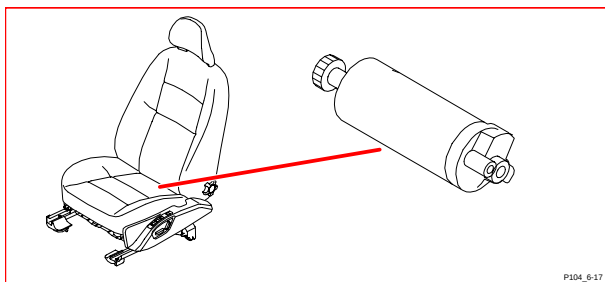
6/16 Driver's seat motor, backrest rake



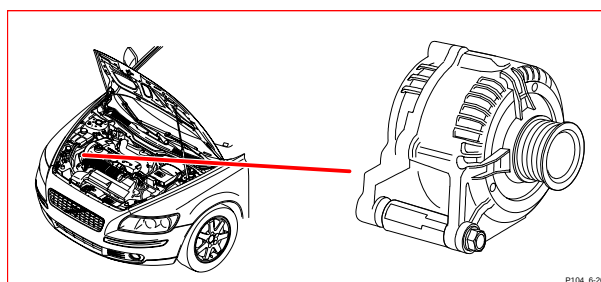
6/25 Starter motor



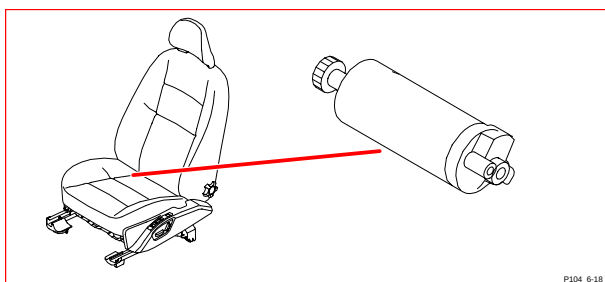
6/17 Driver's seat motor, front edge up/down



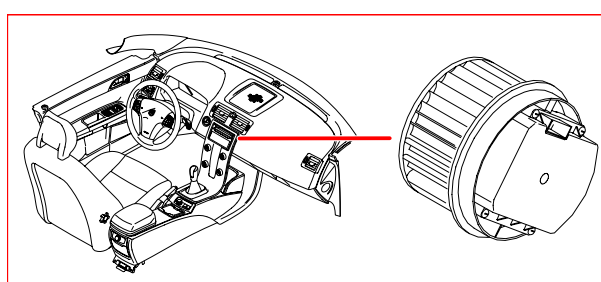
6/26 Generator



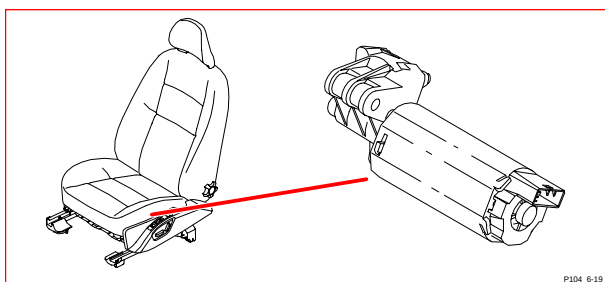
6/18 Driver's seat motor, rear edge up/down



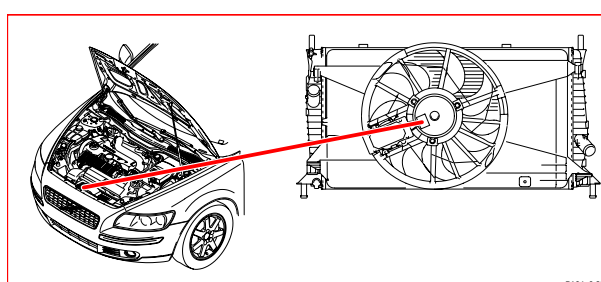
6/28 Motor, passenger compartment fan



6/19 Driver's seat motor, forward/aft



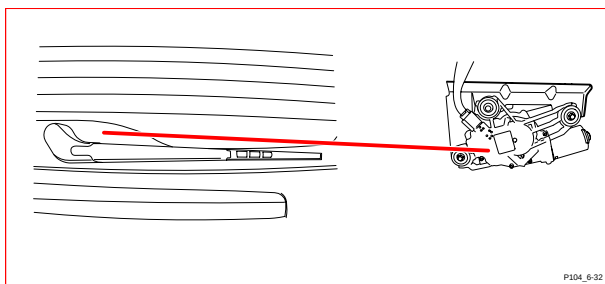
6/29 Motor, electric cooling fan



Component illustrations

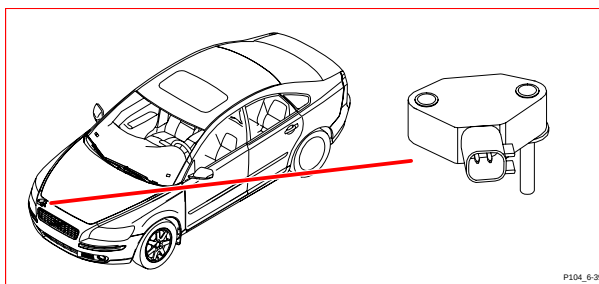
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6/32 Rear window wiper motor



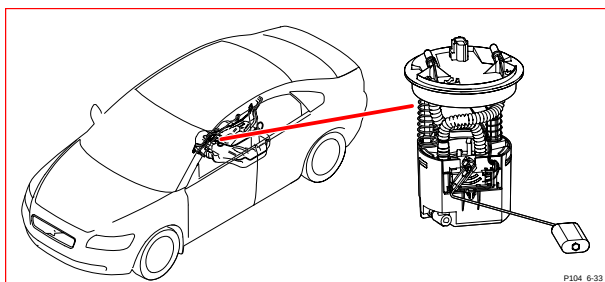
P104_6-32

6/39 Right headlight adjustment motor



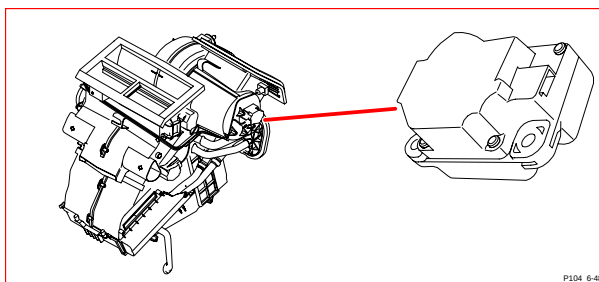
P104_6-39

6/33 Fuel pump



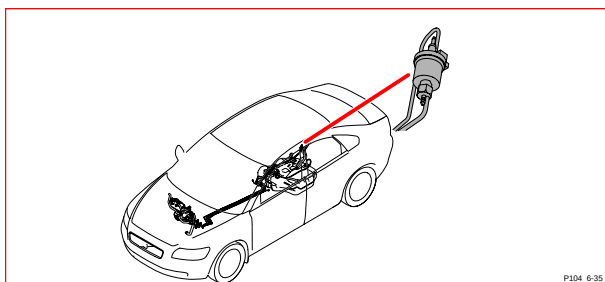
P104_6-33

6/48 Damper motor, recirculation



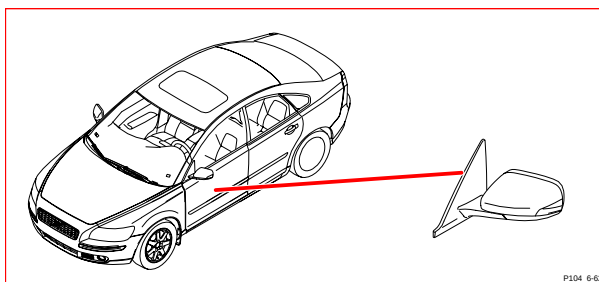
P104_6-48

6/35 Fuel pump, auxiliary heater



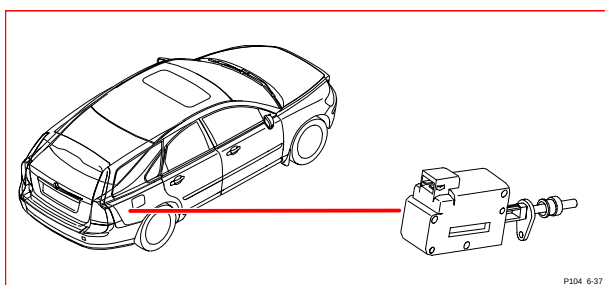
P104_6-35

6/62 Power driver's door mirror



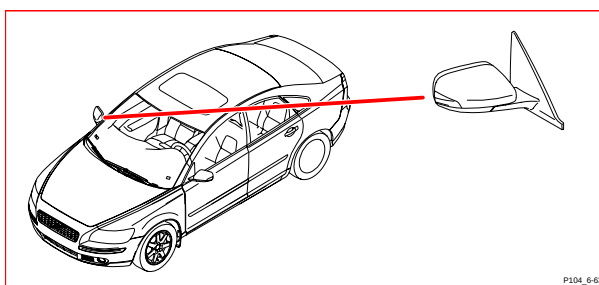
P104_6-62

6/37 Lock motor, fuel filler flap



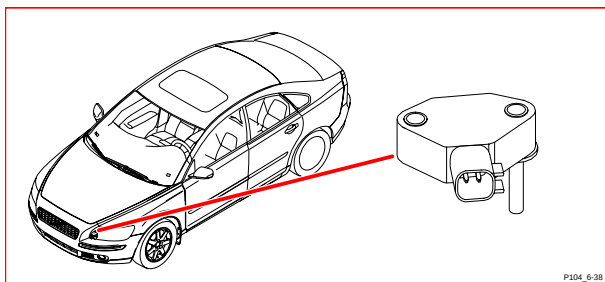
P104_6-37

6/63 Power passenger door mirror



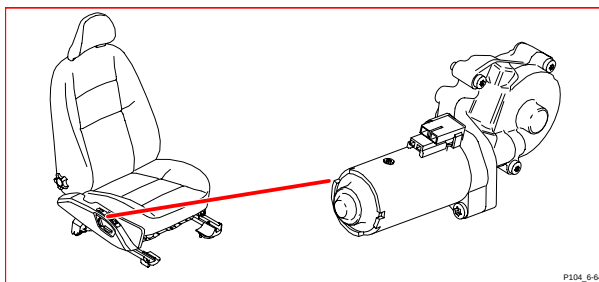
P104_6-63

6/38 Left headlight adjustment motor



P104_6-38

6/64 Passenger seat motor, backrest rake

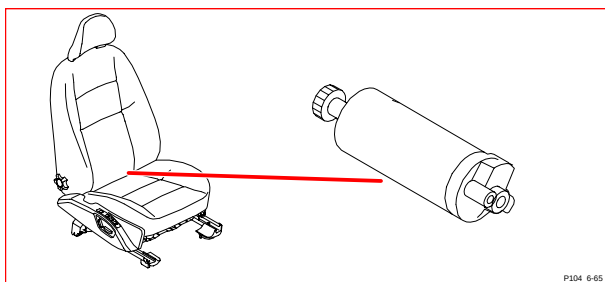


P104_6-64

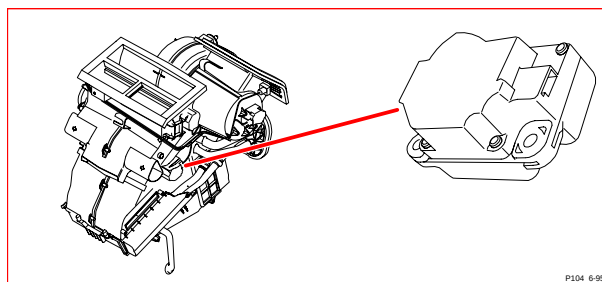
Component illustrations

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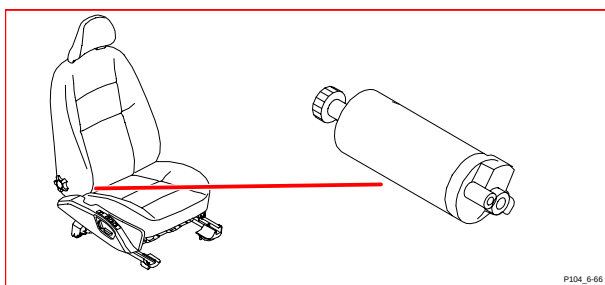
6/65 Passenger seat motor, front edge up/down



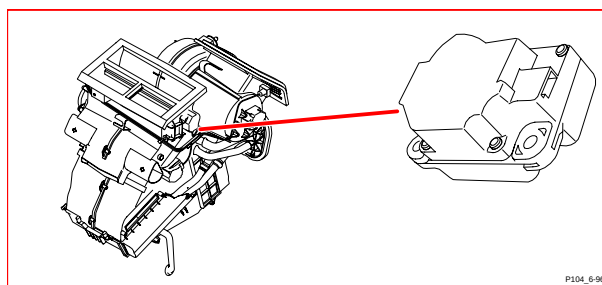
6/95 Damper motor, temperature, left-hand side



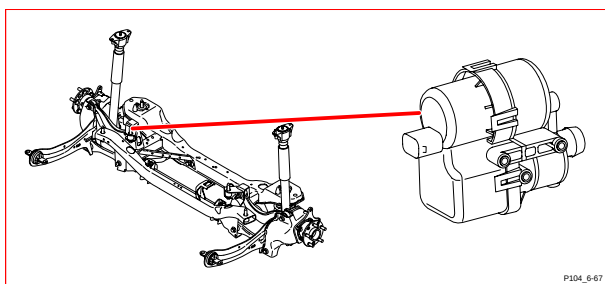
6/66 Passenger seat motor, rear edge up/down



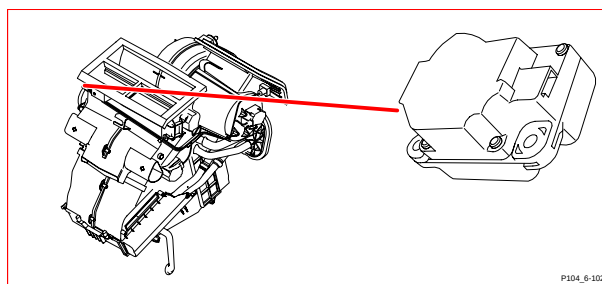
6/96 Damper motor, temperature, right-hand side



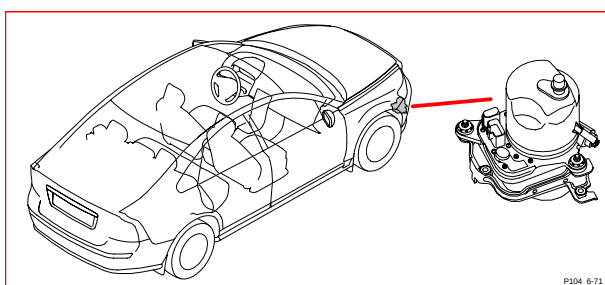
6/67 Pump, fuel leakage control



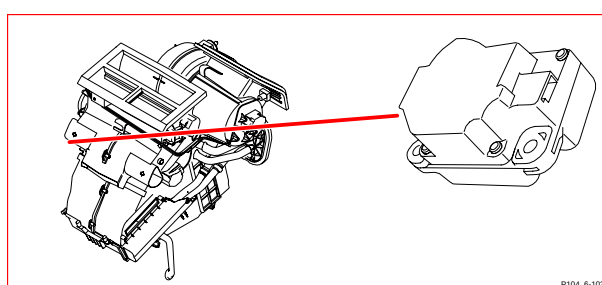
6/102 Damper motor, defroster



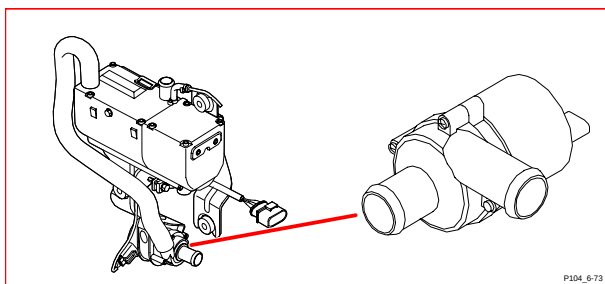
6/71 Electrical Power Steering Module (EPS)



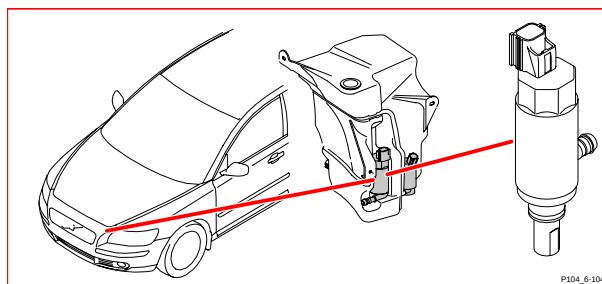
6/103 Damper motor, floor/ventilation



6/73 Coolant pump, auxiliary heater



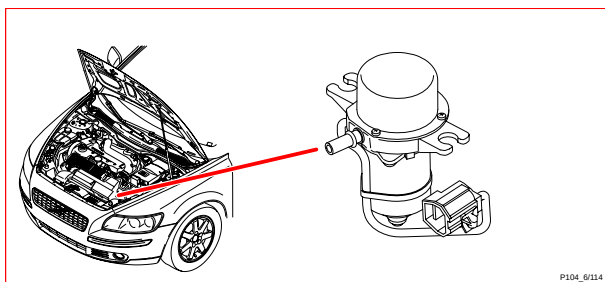
6/104 Pump, high pressure headlight washer



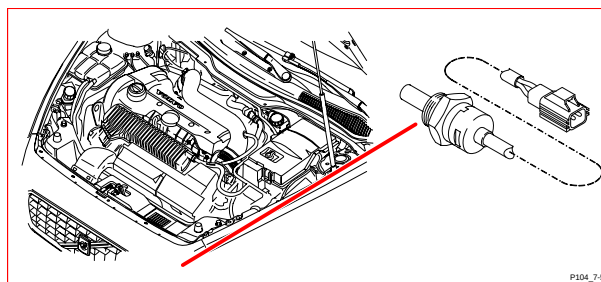
Component illustrations

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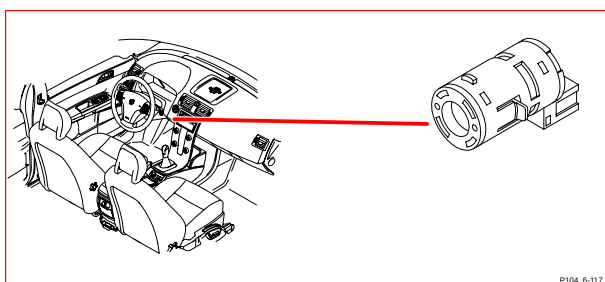
6/114 Vacuum pump



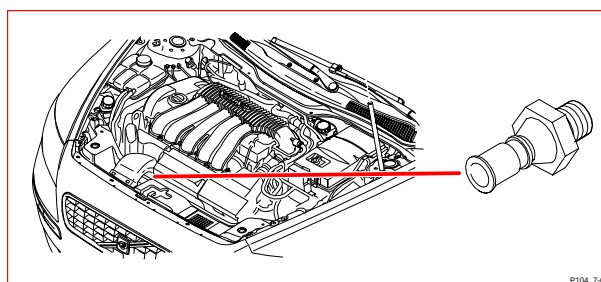
7/5 Washer fluid level sensor



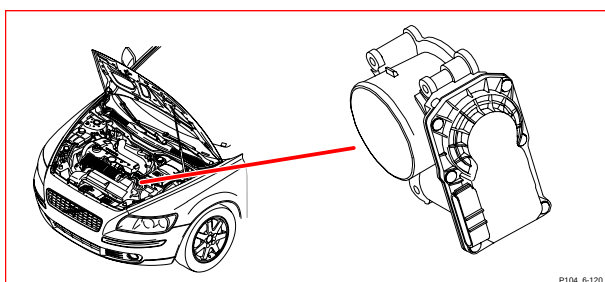
6/117 Interior temperature sensor



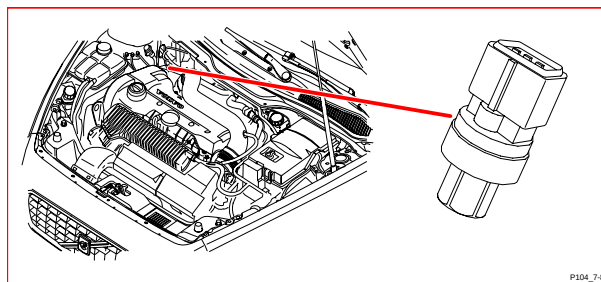
7/6 Oil pressure sensor



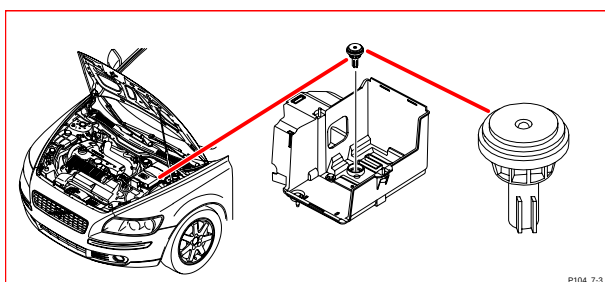
6/120 Engine throttle body



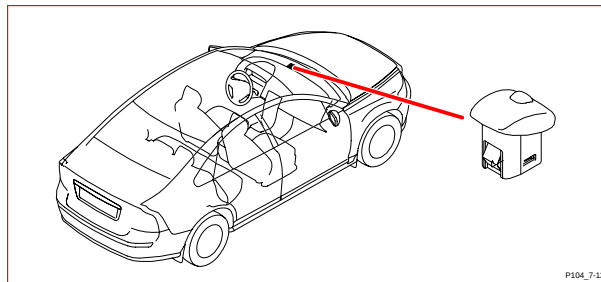
7/8 Pressure sensor, climate control system



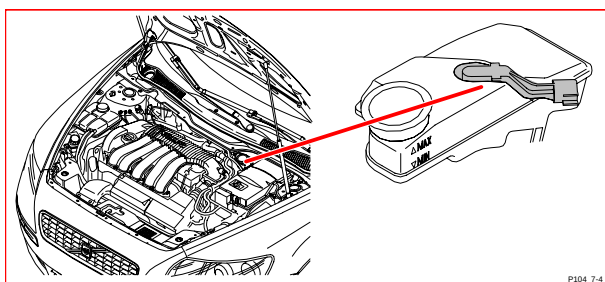
7/3 Battery temperature sensor



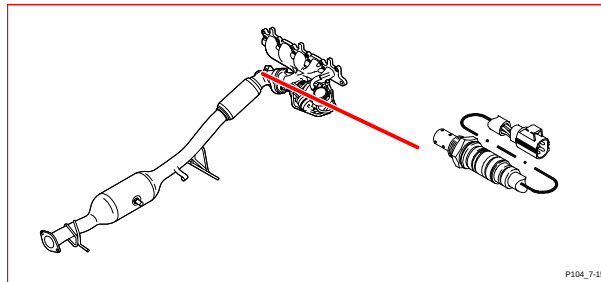
7/12 Solar sensor, twilight sensor and indicator alarm



7/4 Brake fluid level sensor



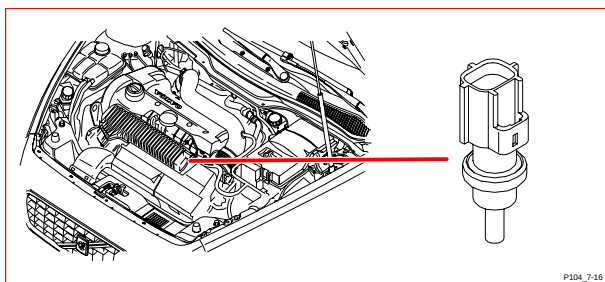
7/15 Heated oxygen sensor, front



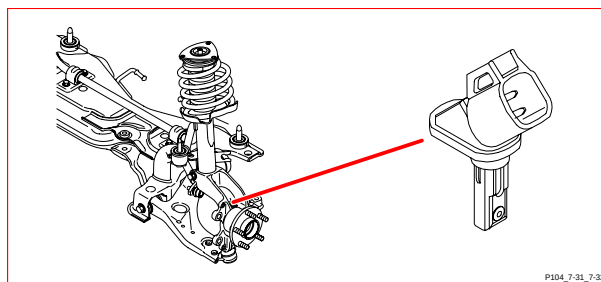
Component illustrations

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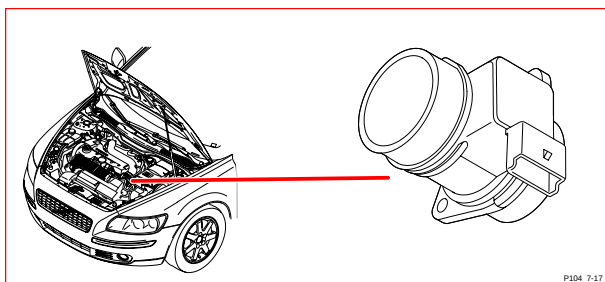
7/16 Coolant temperature sensor



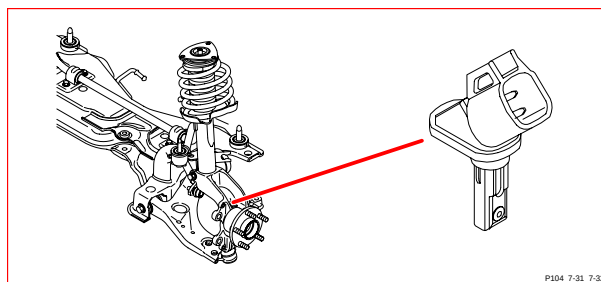
7/31 ABS sensor, front left



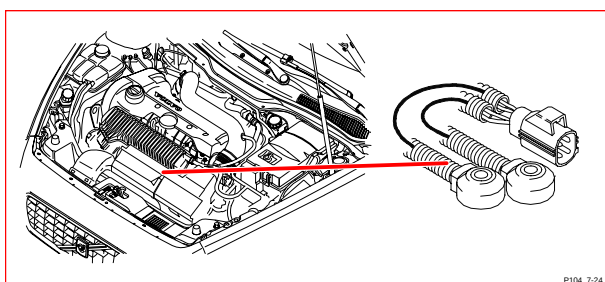
7/17 Mass airflow sensor (MAF)



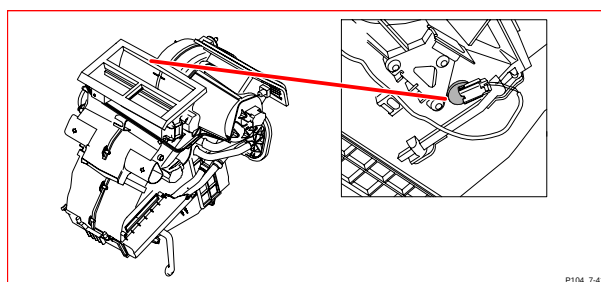
7/32 ABS sensor, front right



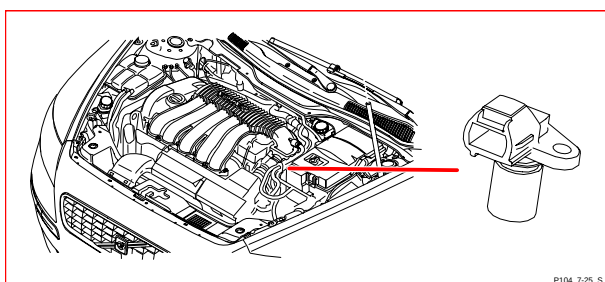
7/24 Front knock sensor



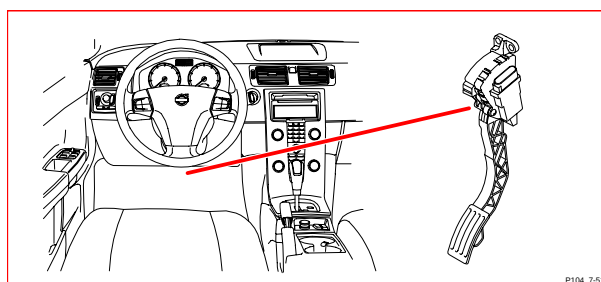
7/41 Evaporator temperature sensor



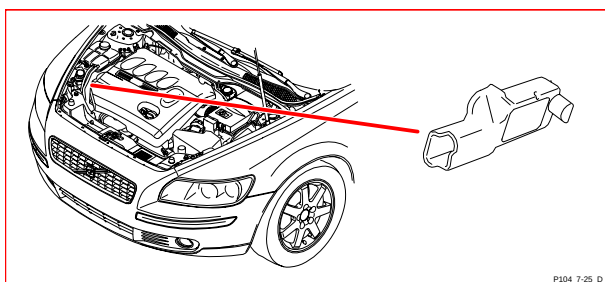
7/25 Pulse generator, Gasoline



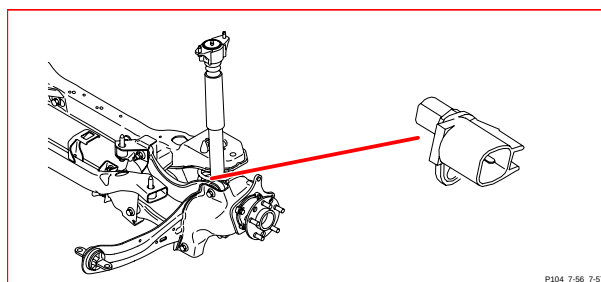
7/51 Accelerator pedal sensor



7/25 Pulse generator, Diesel



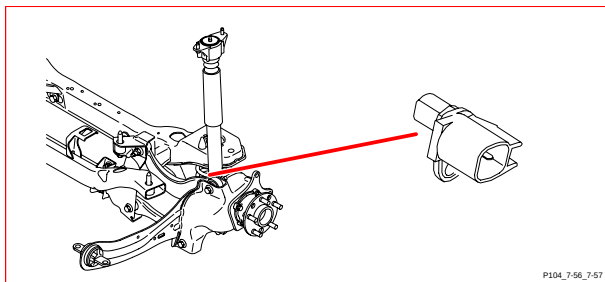
7/56 ABS sensor, rear left



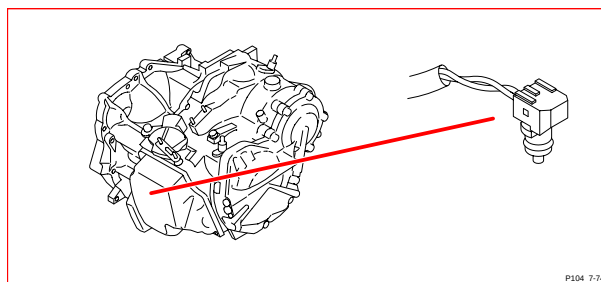
Component illustrations

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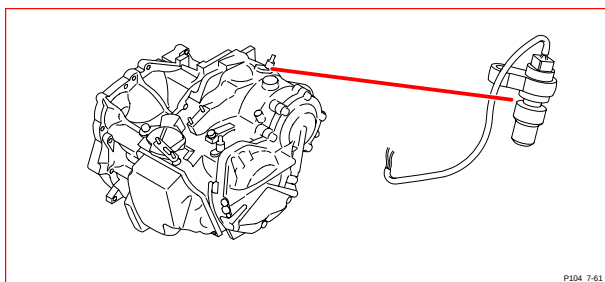
7/57 ABS sensor, rear right



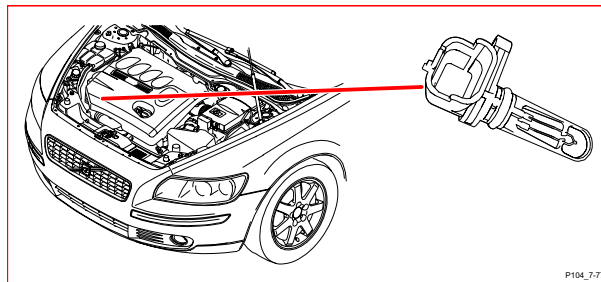
7/74 Oil temperature sensor, automatic transmission



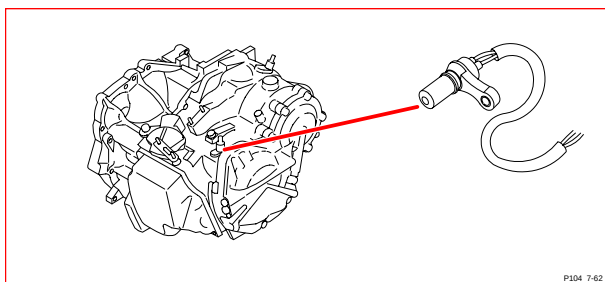
7/61 Input speed sensor



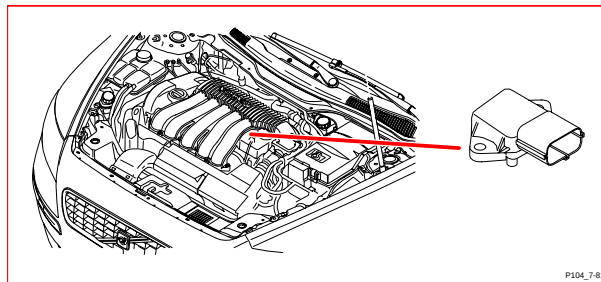
7/77 Temperature sensor, intake air



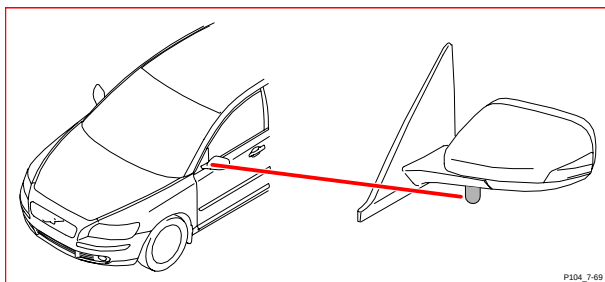
7/62 Output speed sensor



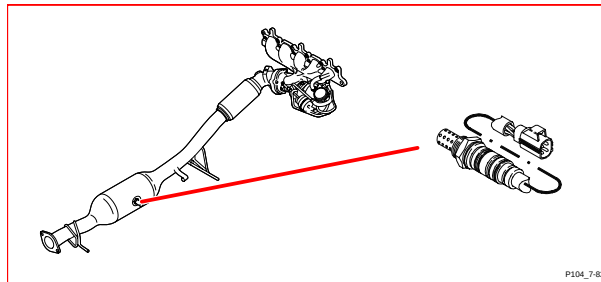
7/81 Pressure sensor, intake manifold



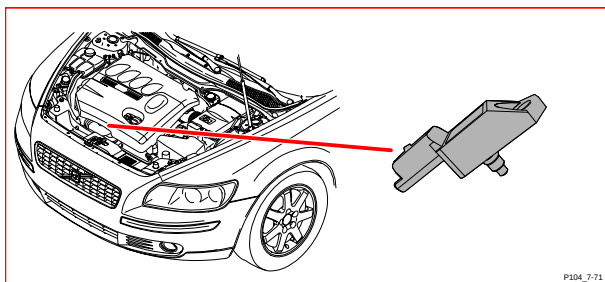
7/69 Outside temperature sensor



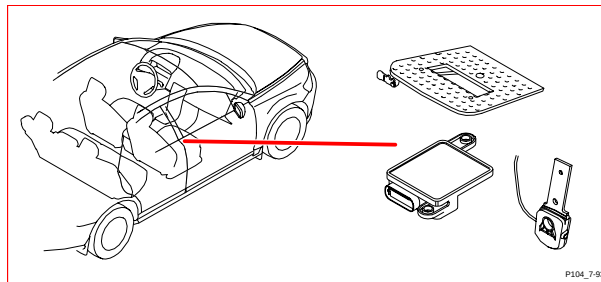
7/82 Heated oxygen sensor, rear



7/71 Charge pressure sensor



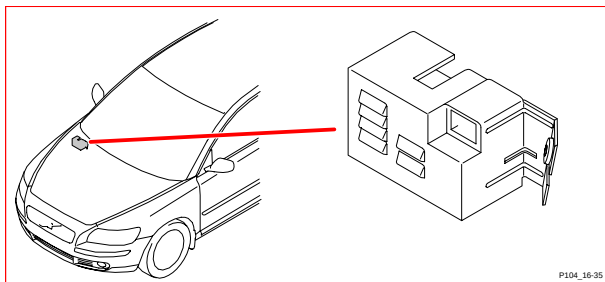
7/93 Occupant Weight Sensor (OWS)



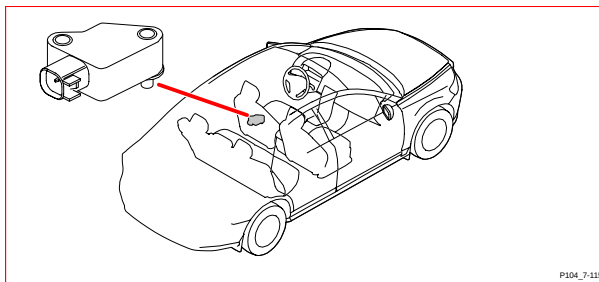
Component illustrations

7/100 - 7/122

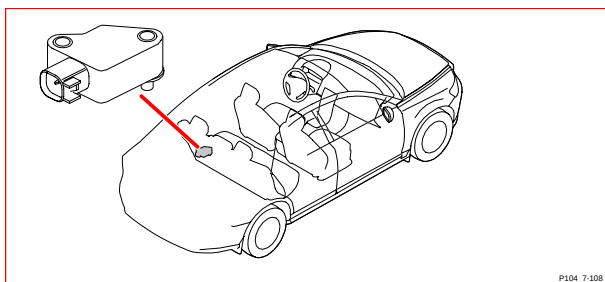
7/100 Level sensor, alarm



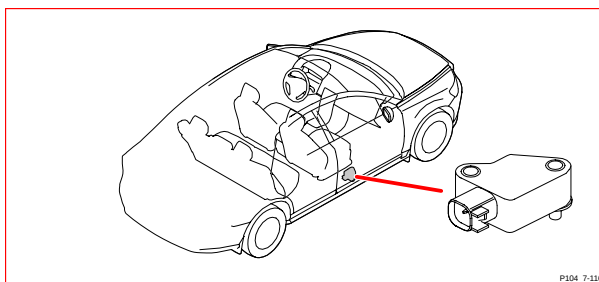
7/115 Side impact sensor, front left



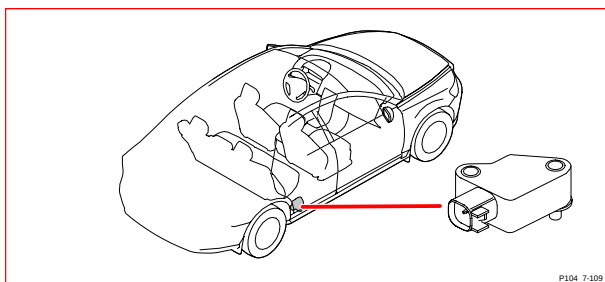
7/108 Side impact sensor, rear left



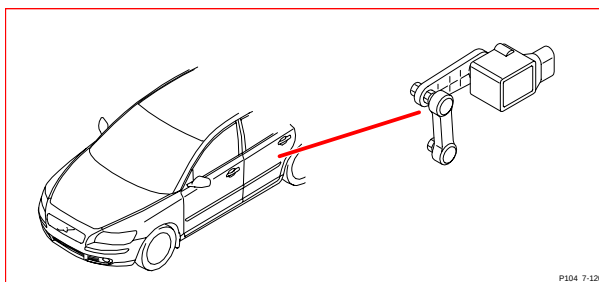
7/116 Side impact sensor, front right



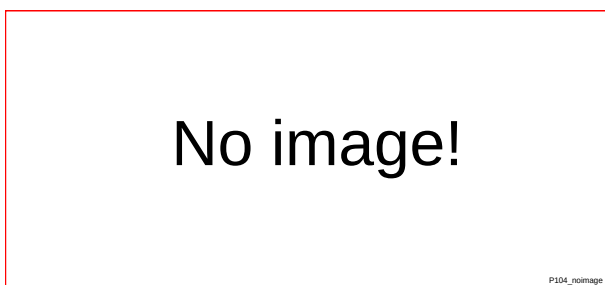
7/109 Side impact sensor, rear right



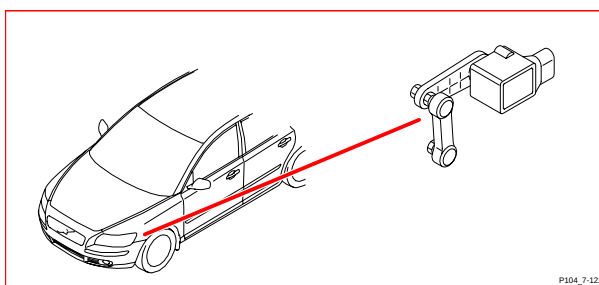
7/120 Angle sensor, Bi-Xenon, rear



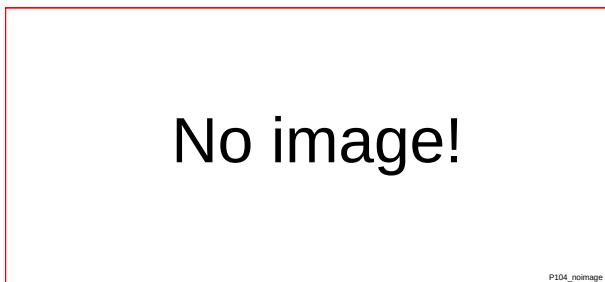
7/110 Sensor, driver's seat temperature



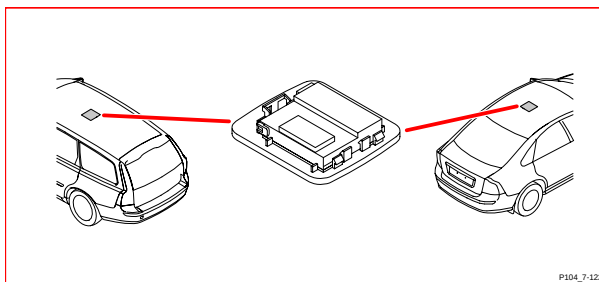
7/121 Angle sensor, Bi-Xenon, front



7/111 Sensor, passenger seat temperature



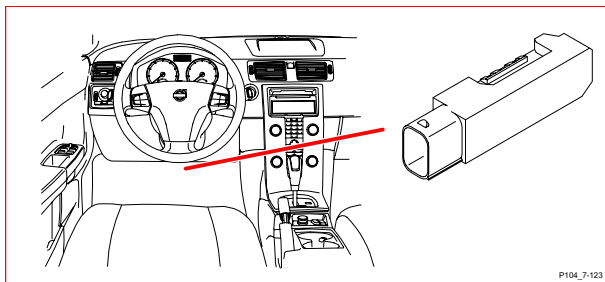
7/122 Mass movement sensor, front



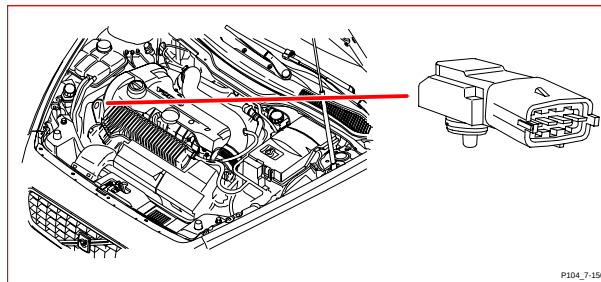
Component illustrations

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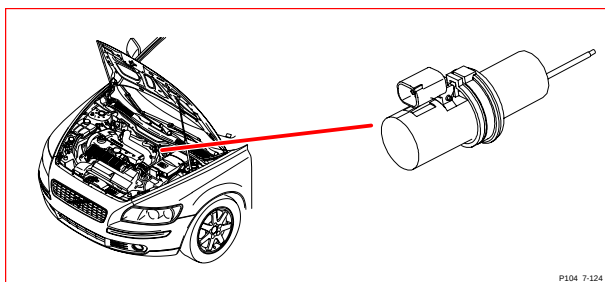
7/123 Clutch pedal sensor



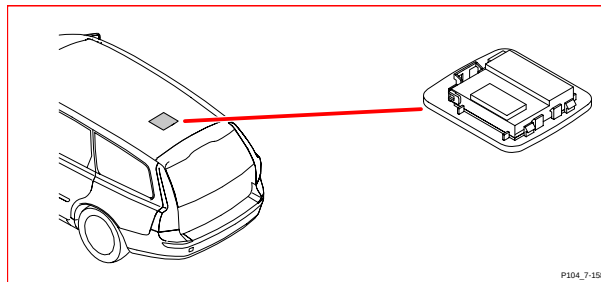
7/156 Fuel pressure and temperature sensor, gasoline



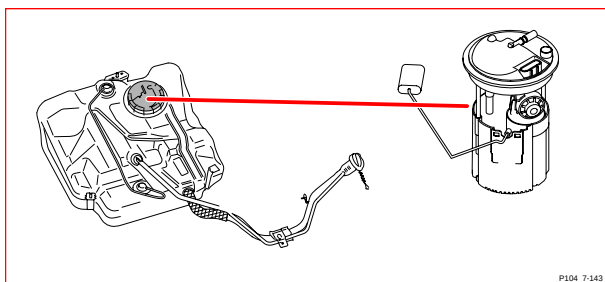
7/124 Brake pedal sensor



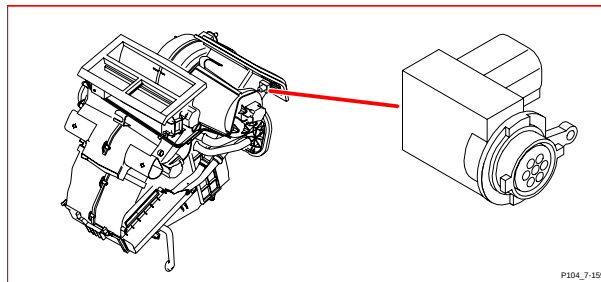
7/158 Mass movement sensor, rear



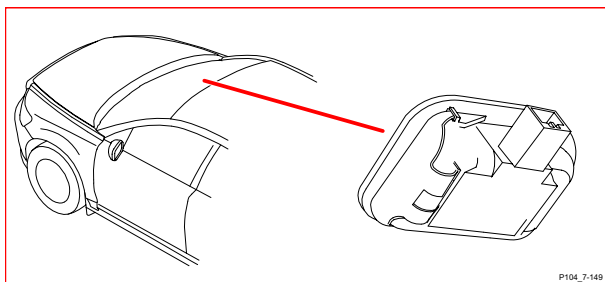
7/143 Fuel level sensor, pump side



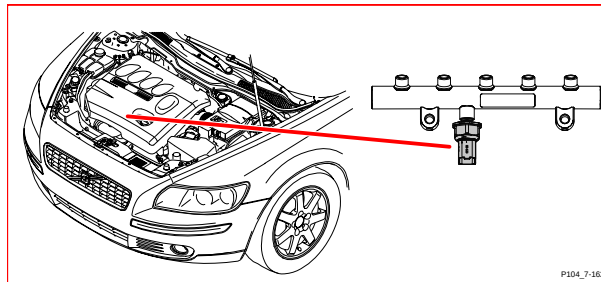
7/159 Air quality sensor



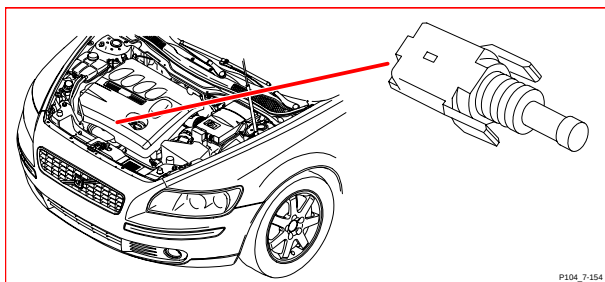
7/149 Rain Sensor Module (RSM)



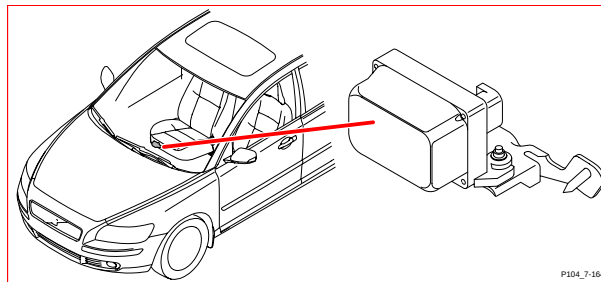
7/162 Pressure sensor, fuel line



7/154 Fuel temperature sensor



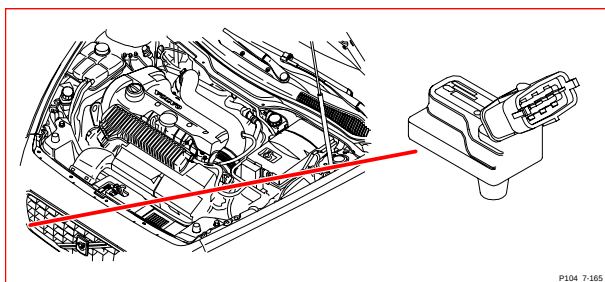
7/164 Body Sensor Cluster (BSC)



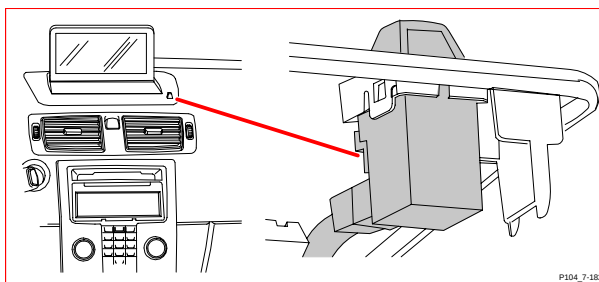
Component illustrations

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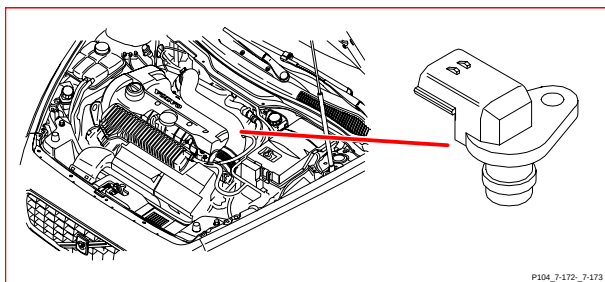
7/165 Pressure and temperature sensor, intake manifold



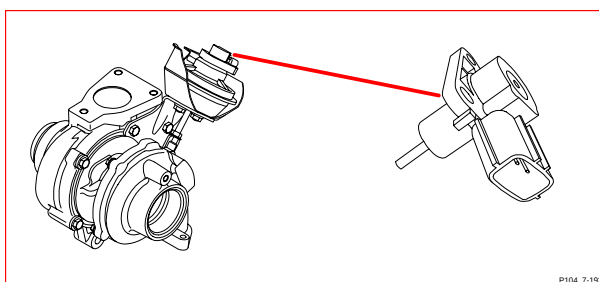
7/182 Remote control IR sensor, RTI



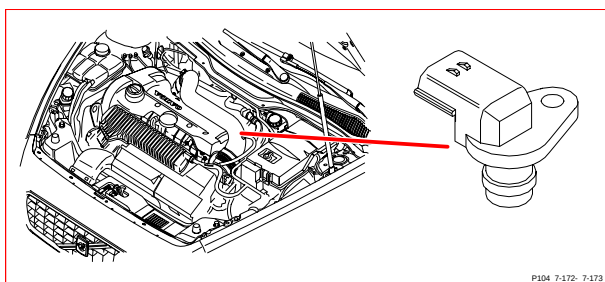
7/172 Camshaft position sensor, intake side



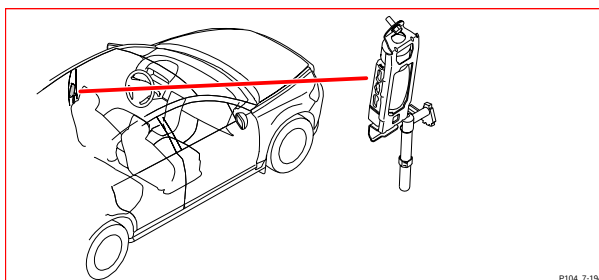
7/193 Position sensor, turbo



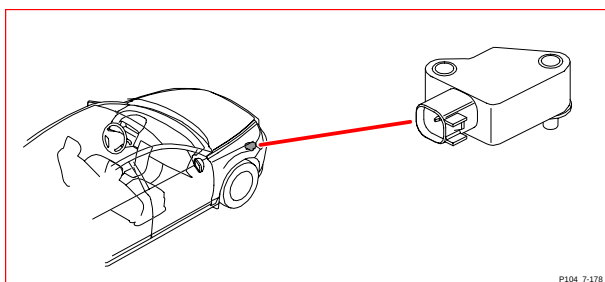
7/173 Camshaft position sensor, exhaust side



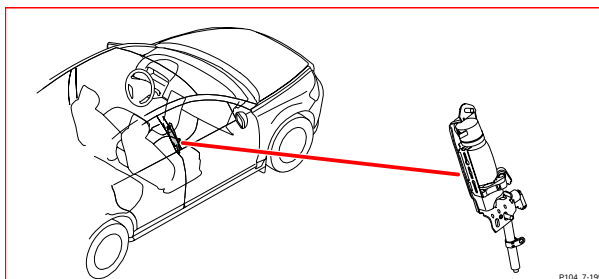
7/194 Belt pulley sensor, driver



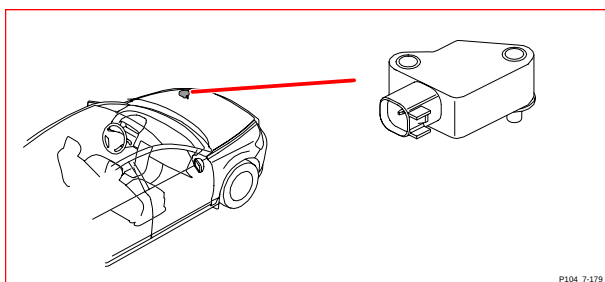
7/178 Right-hand front impact sensor



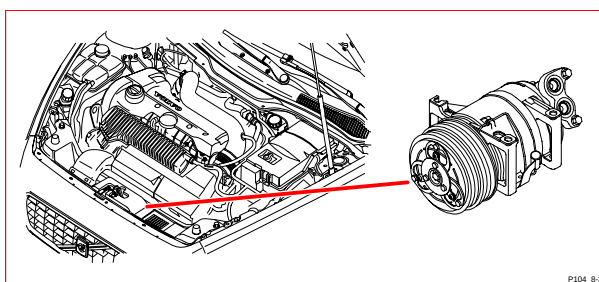
7/195 Belt pulley sensor, passenger



7/179 Left-hand front impact sensor



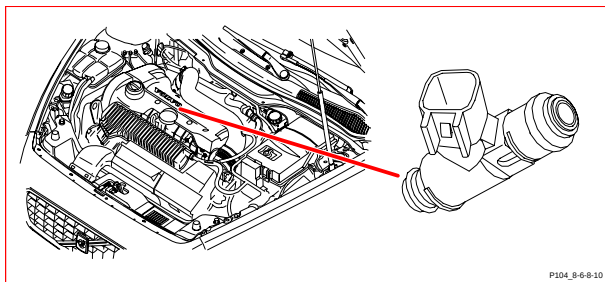
8/3 Electromagnetic clutch, climate control system



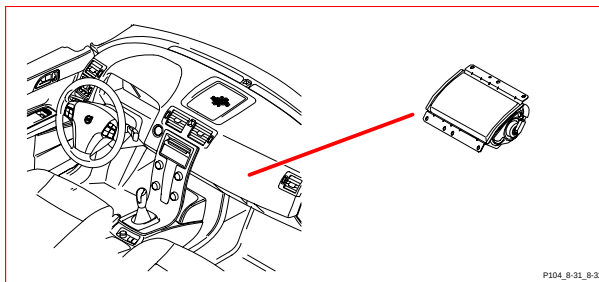
Component illustrations

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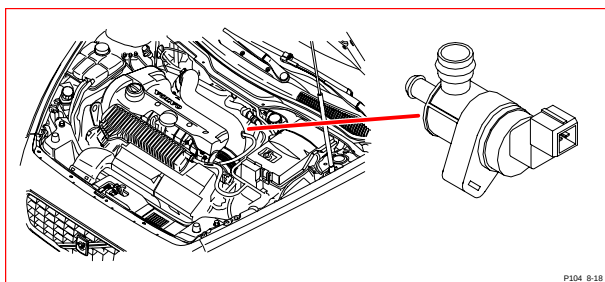
8/6-10 Injectors



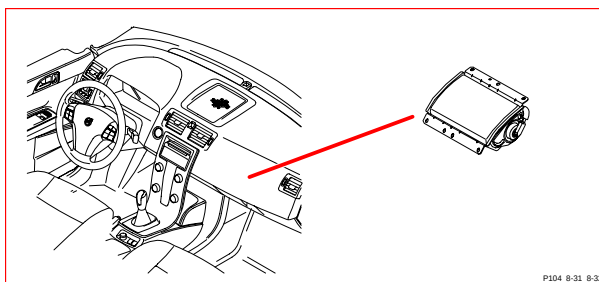
8/31 Airbag igniter, passenger side



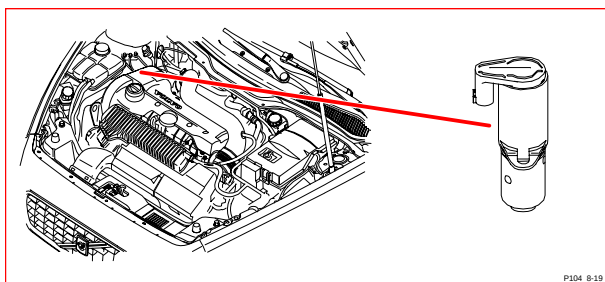
8/18 EVAP valve



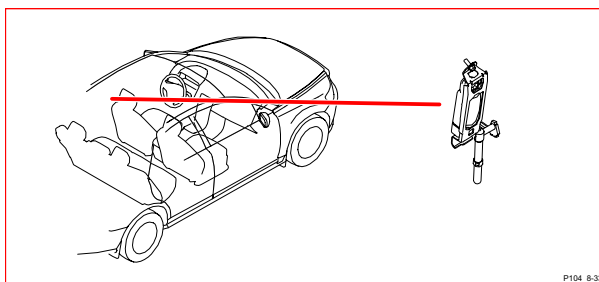
8/32 Igniter, airbag stage 2, passenger side



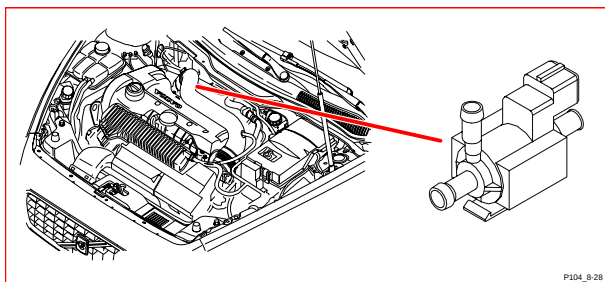
8/19 Solenoid, variable valve timing, intake



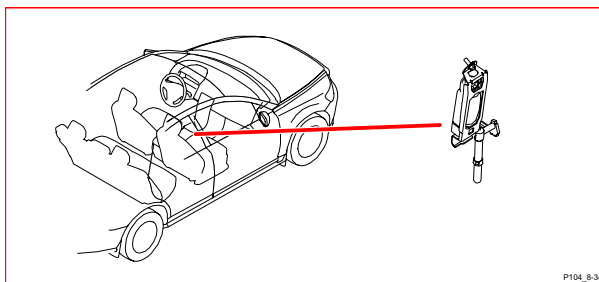
8/33 Igniter, belt tensioner, driver's side



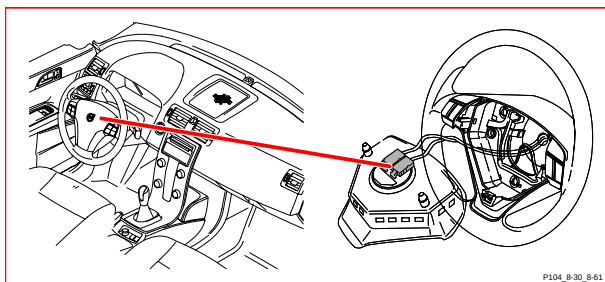
8/28 Turbocharger control valve



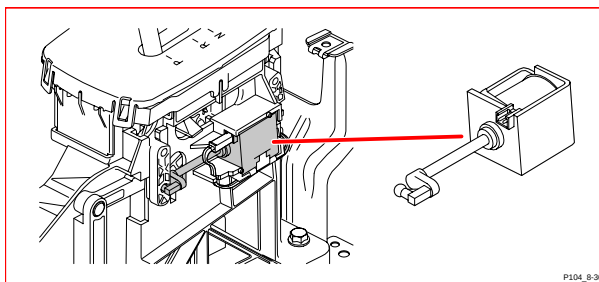
8/34 Igniter, belt tensioner, passenger side



8/30 Airbag igniter, driver's side



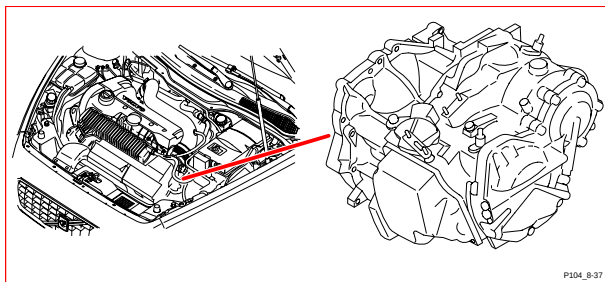
8/36 Shift lock solenoid



Component illustrations

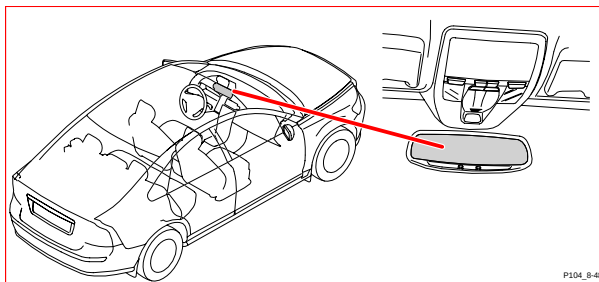
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8/37 Automatic transmission



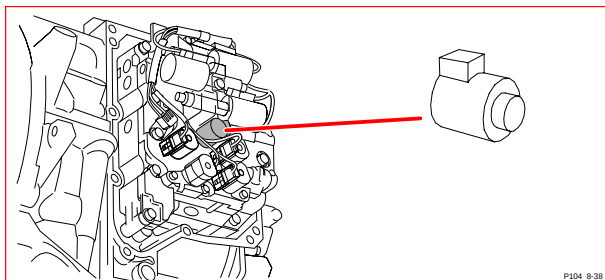
P104_8-37

8/48 Auto-dimming rearview mirror



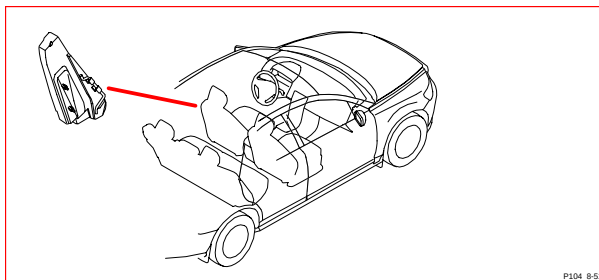
P104_8-48

8/38 Shift solenoid 1



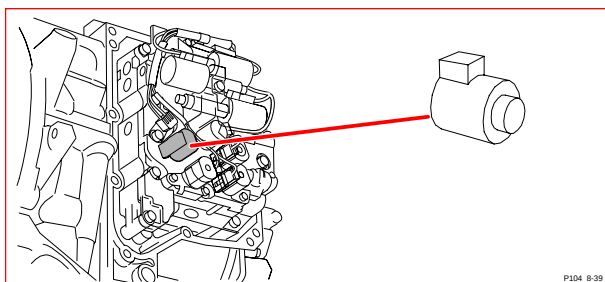
P104_8-38

8/51 Side airbag igniter, driver's side



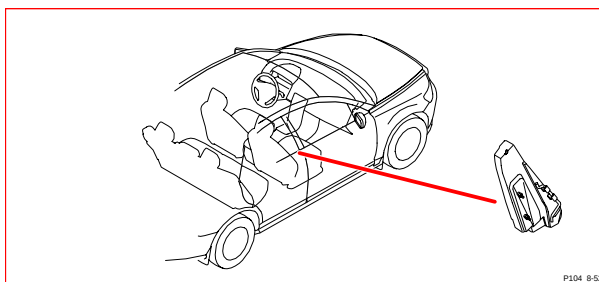
P104_8-51

8/39 Shift solenoid 2



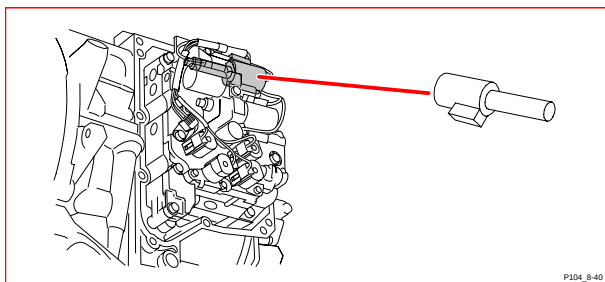
P104_8-39

8/52 Side airbag igniter, passenger side



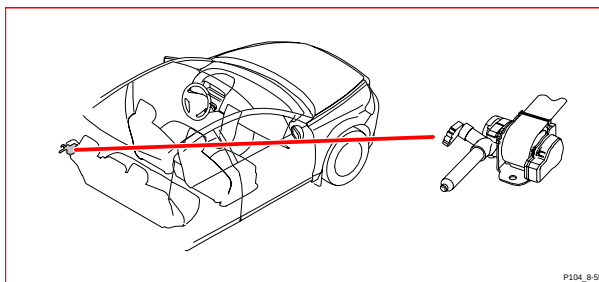
P104_8-52

8/40 Lock-up solenoid



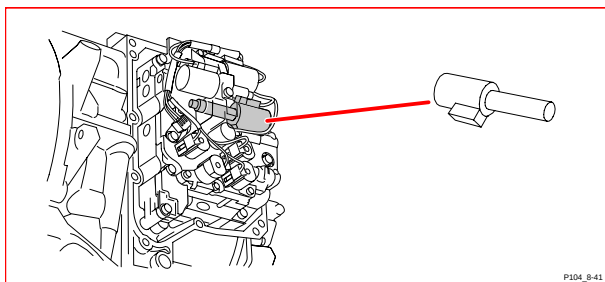
P104_8-40

8/55 Igniter, left rear belt tensioner



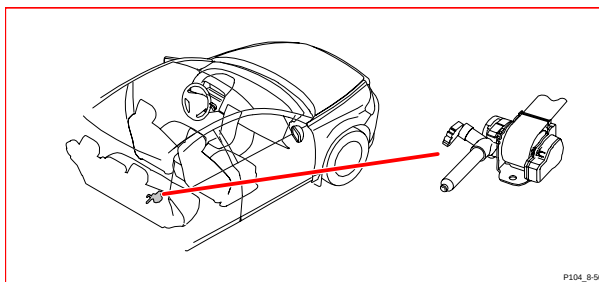
P104_8-55

8/41 Pressure solenoid



P104_8-41

8/56 Igniter, right rear belt tensioner

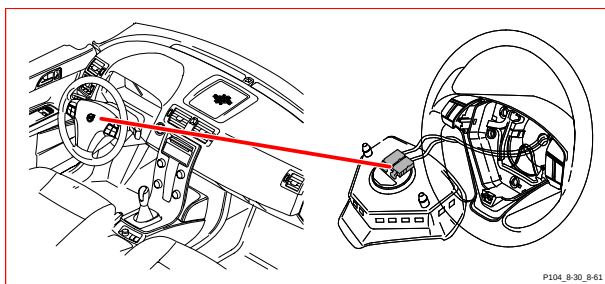


P104_8-56

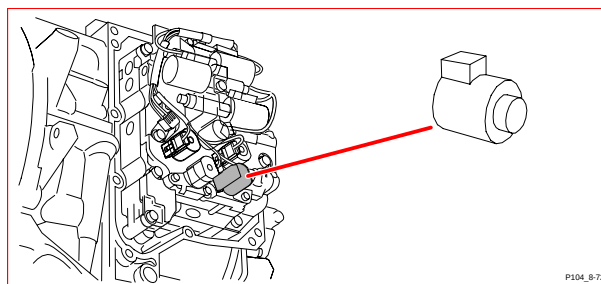
Component illustrations

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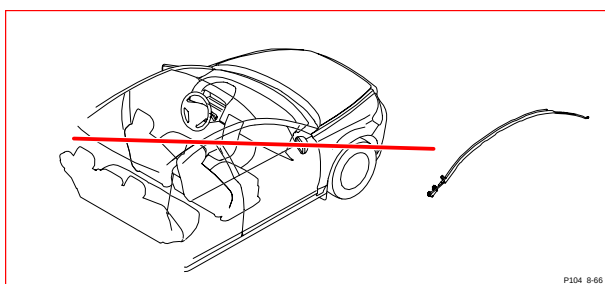
8/61 Igniter, airbag stage 2, driver's side



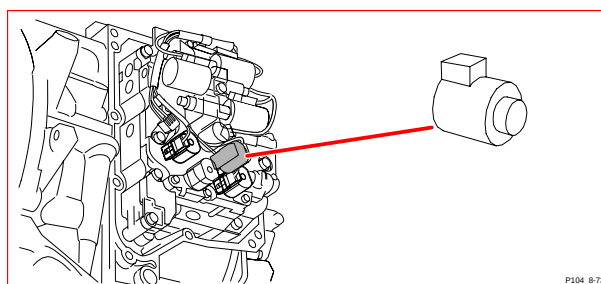
8/72 Shift solenoid 3



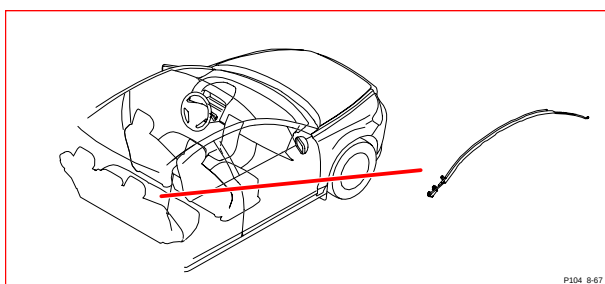
8/66 Igniter, left inflatable curtain



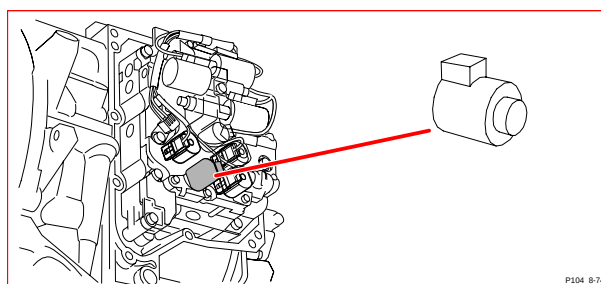
8/73 Shift solenoid 4



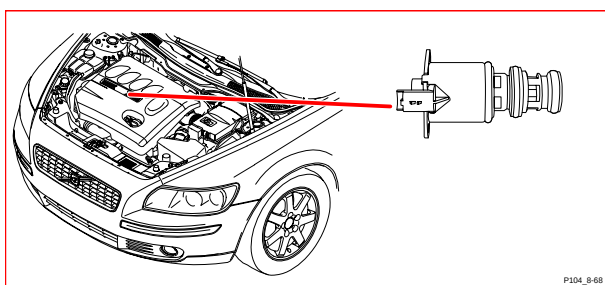
8/67 Igniter, right inflatable curtain



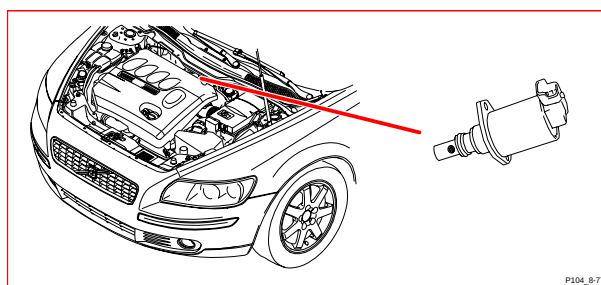
8/74 Shift solenoid 5



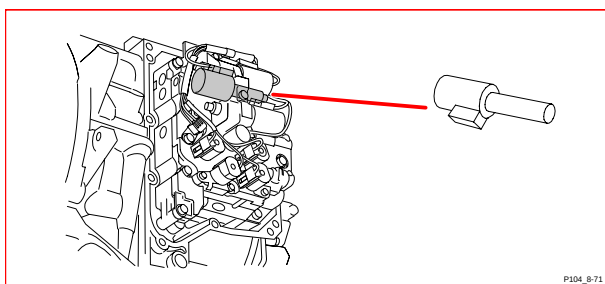
8/68 Bypass valve



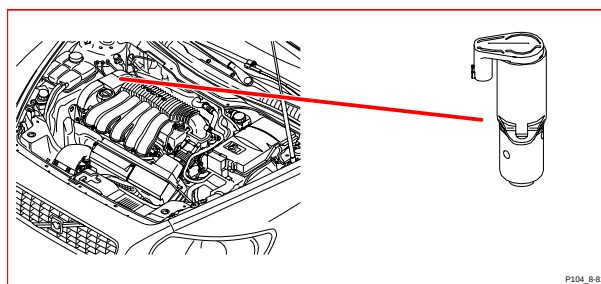
8/77 Control valve, fuel volume



8/71 Throttle solenoid



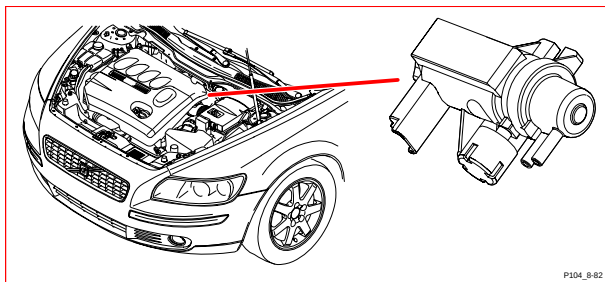
8/81 Solenoid, variable valve timing outlet



Component illustrations

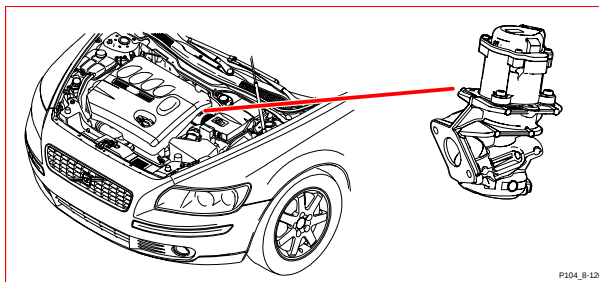
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8/82 Solenoid, variable turbo geometry



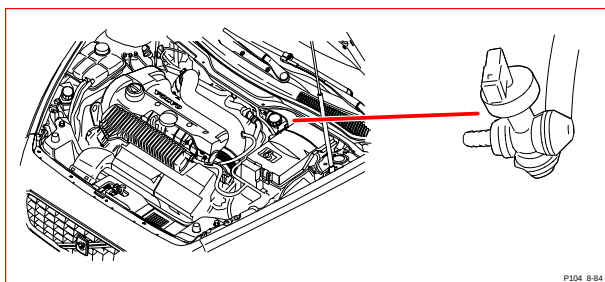
P104_8-82

8/120 EGR valve



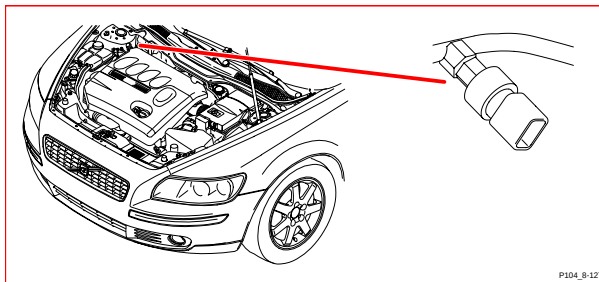
P104_8-120

8/84 Switch, vacuum pump



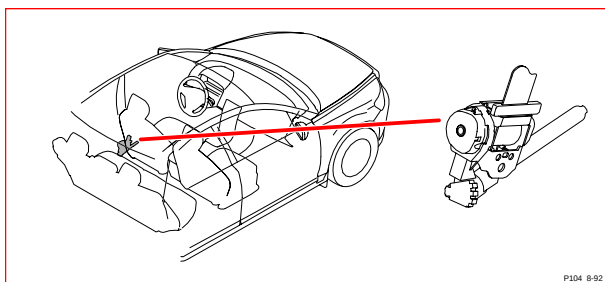
P104_8-84

8/127 Pressure switch, climate control system



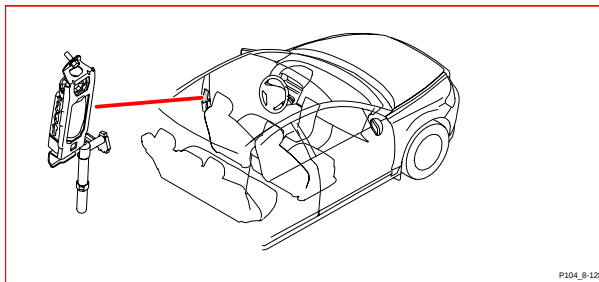
P104_8-127

8/92 Driver's lap belt tensioner



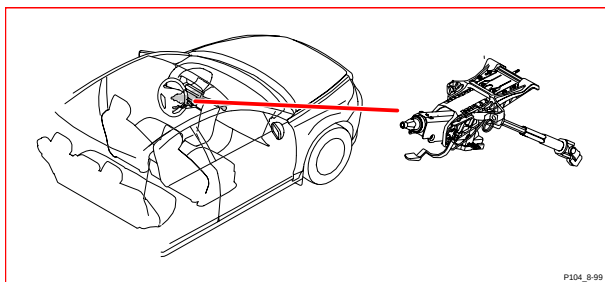
P104_8-92

8/128 Driver's belt force limiter



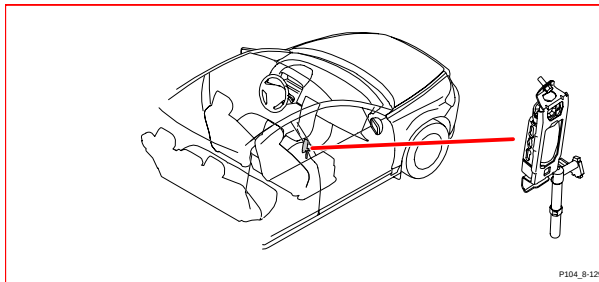
P104_8-128

8/99 Igniter, steering column



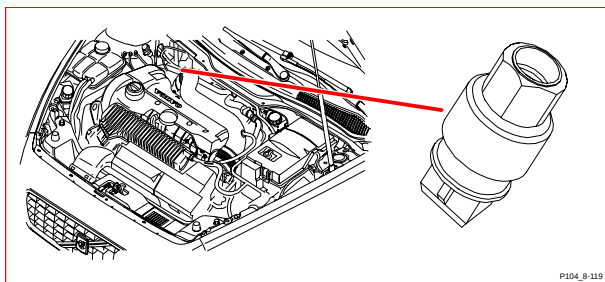
P104_8-99

8/129 Passenger belt force limiter



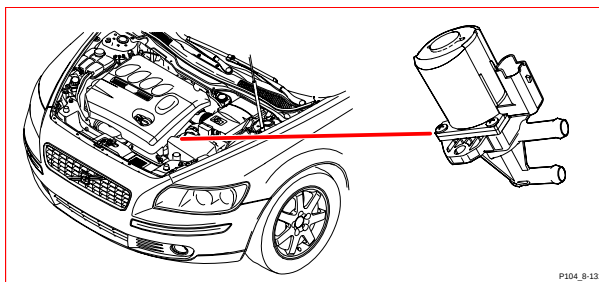
P104_8-129

8/119 Pressure monitor, climate control system



P104_8-119

8/131 Cut-off valve, expansion tank

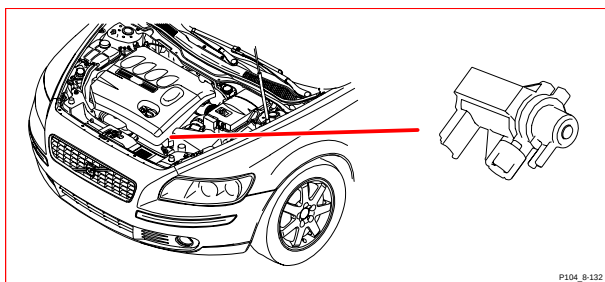


P104_8-131

Component illustrations

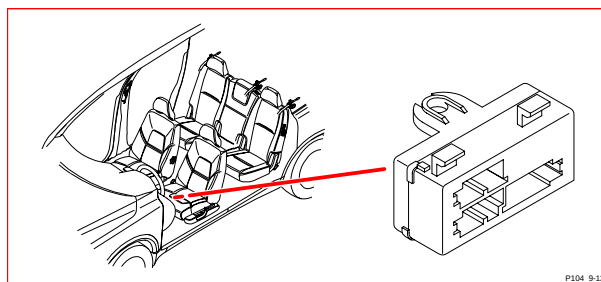
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8/132 Control valve, intake



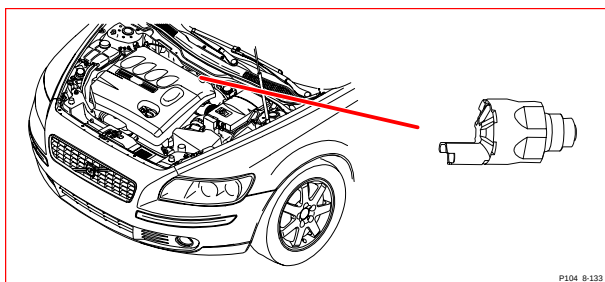
P104_8-132

9/12 Seat Heater Module (SHM), driver's side



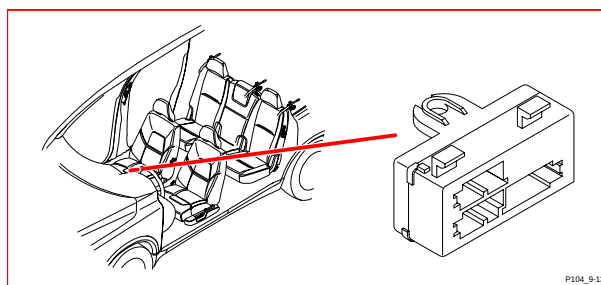
P104_9-12

8/133 Control valve, fuel pressure



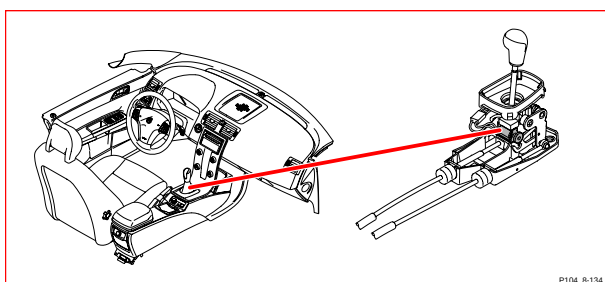
P104_8-133

9/13 Seat Heater Module (SHM), passenger side



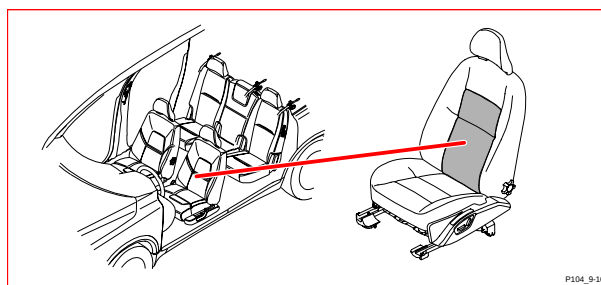
P104_9-13

8/134 Solenoid, reverse interlock, manual



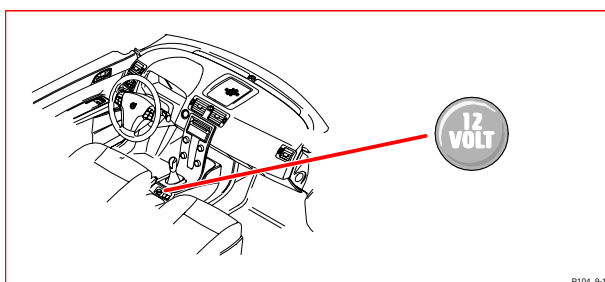
P104_8-134

9/16 Heating element, driver's seat backrest



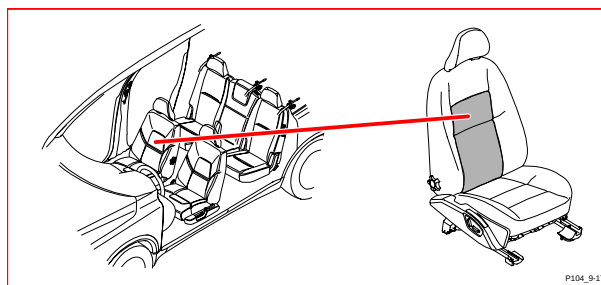
P104_9-16

9/1 Front 12V outlet



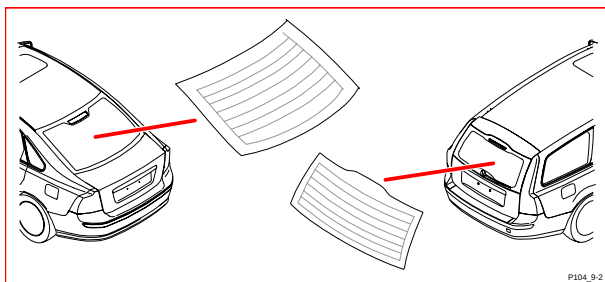
P104_9-1

9/17 Heating element, passenger seat backrest



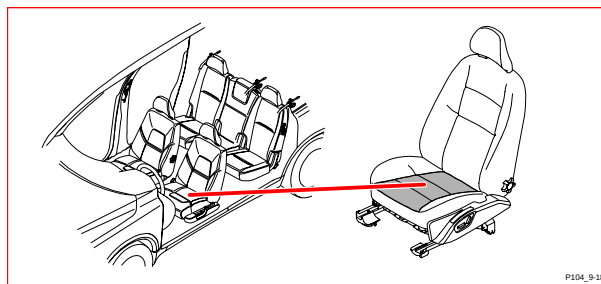
P104_9-17

9/2 Heated rear window



P104_9-2

9/18 Heating element, driver's seat cushion

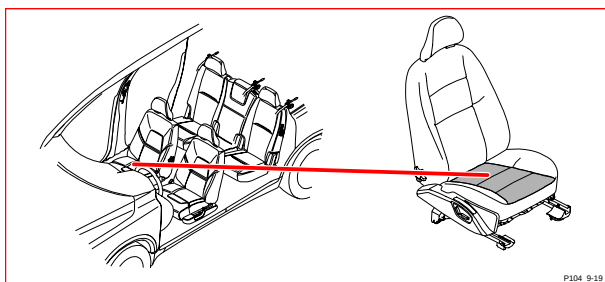


P104_9-18

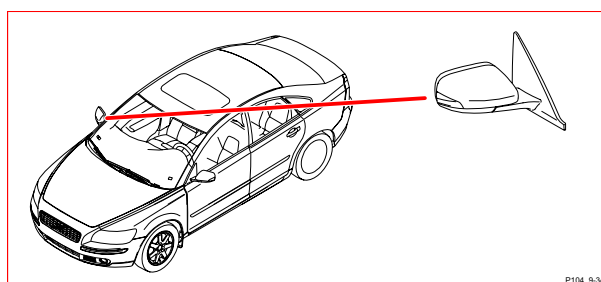
Component illustrations

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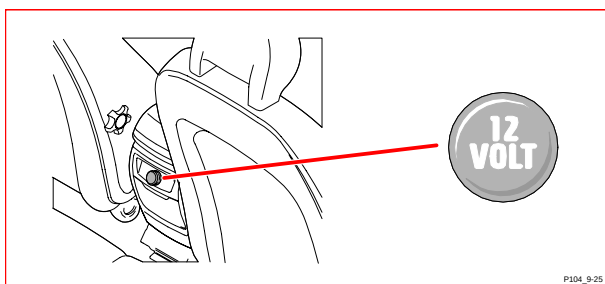
9/19 Heating element, passenger seat cushion



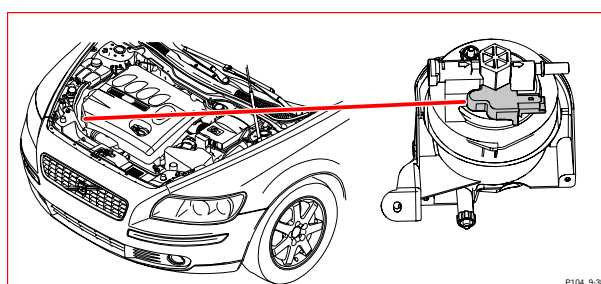
9/34 Heated passenger door mirror



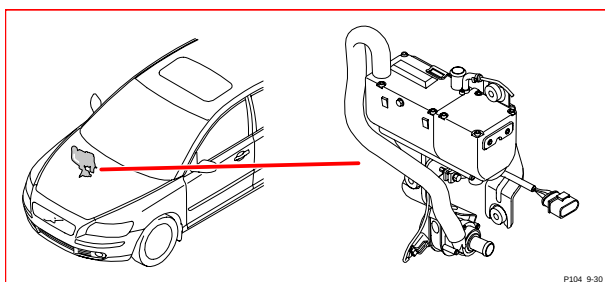
9/25 Rear 12V outlet



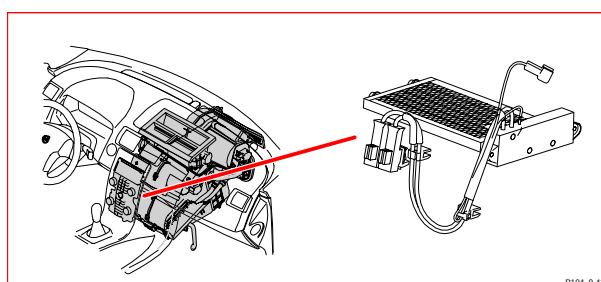
9/38 Heated fuel filter



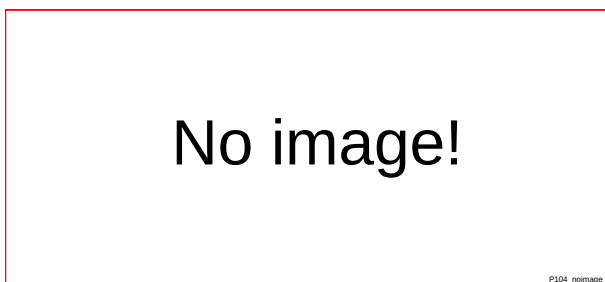
9/30 Auxiliary heater



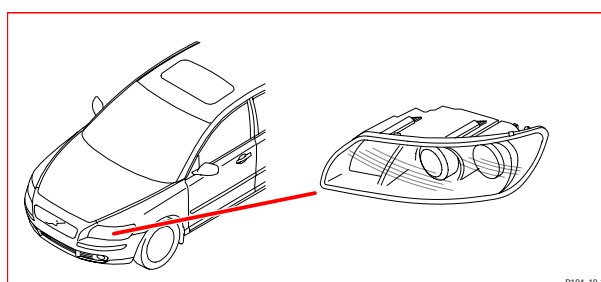
9/41 PTC element



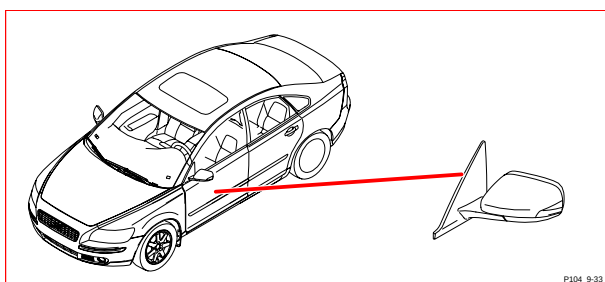
9/32 PTC resistor, oil trap



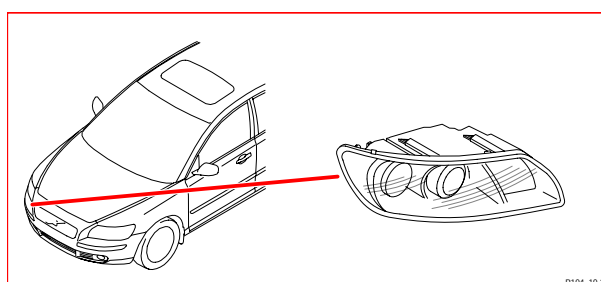
10/1 Lamp housing, front left



9/33 Heated driver's door mirror

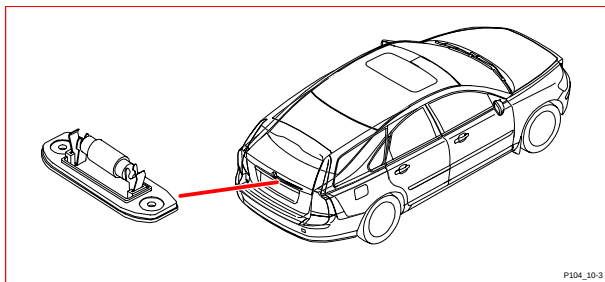


10/2 Lamp housing, front right

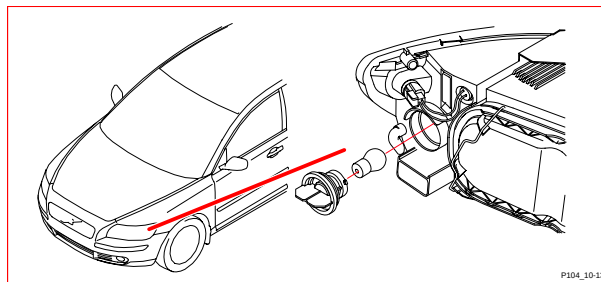


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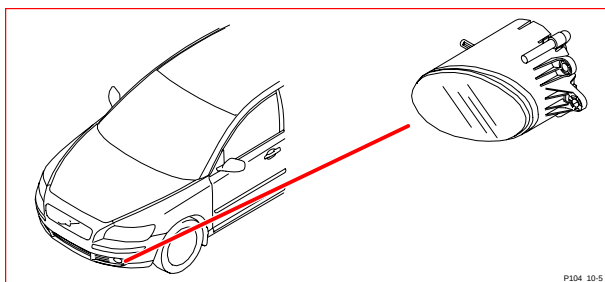
10/3 License plate lighting



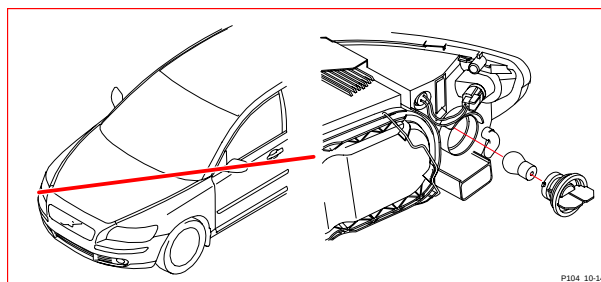
10/13 Direction indicator, front left



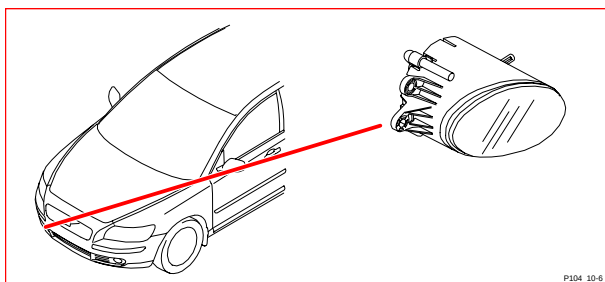
10/5 Fog light, front left



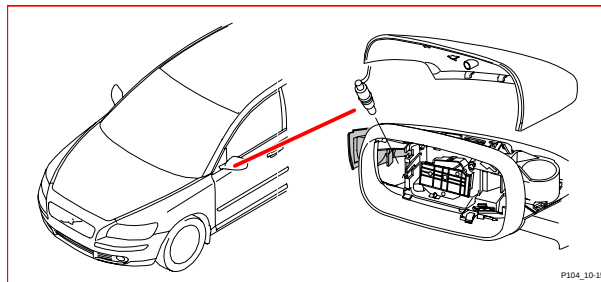
10/14 Direction indicator, front right



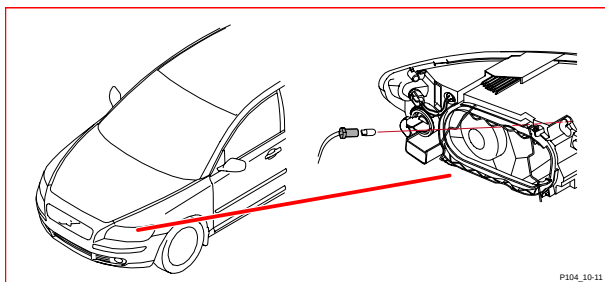
10/6 Fog light, front right



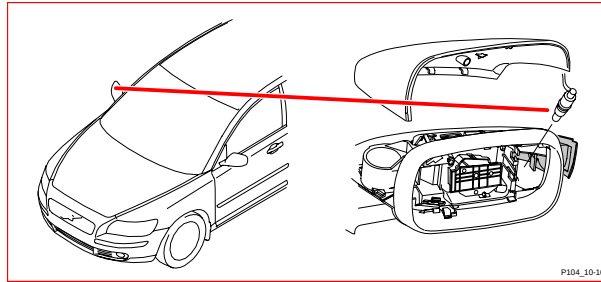
10/15 Direction indicator, driver's door mirror



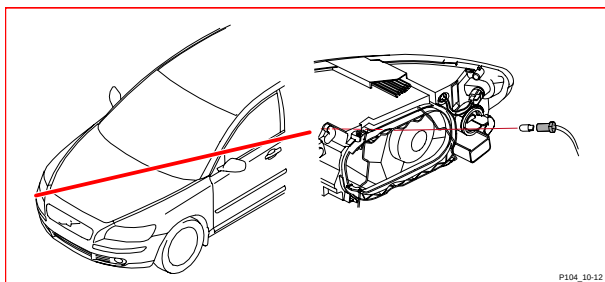
10/11 Position/parking light, front left



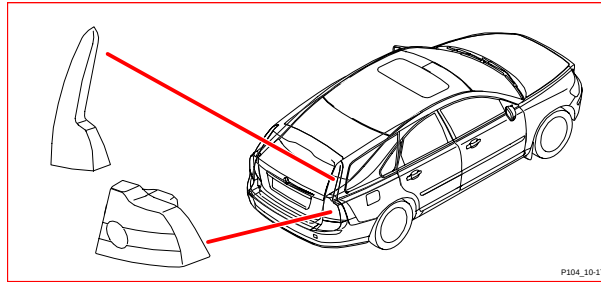
10/16 Direction indicator, passenger door mirror



10/12 Position/parking light, front right

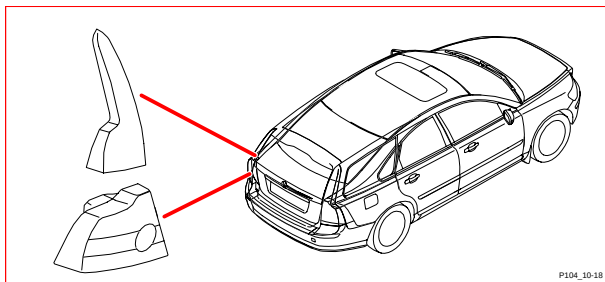


10/17 Lamp housing, rear right

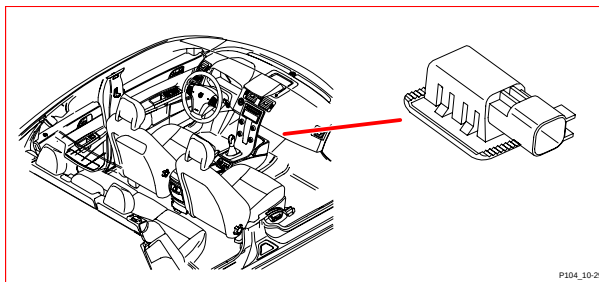


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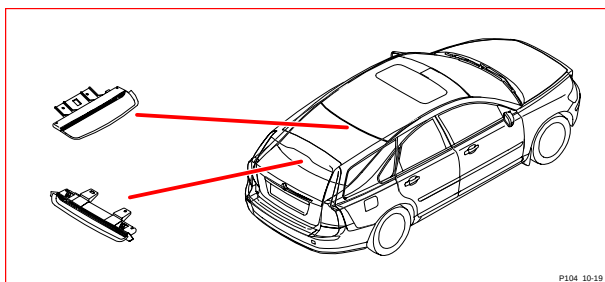
10/18 Lamp housing, rear left



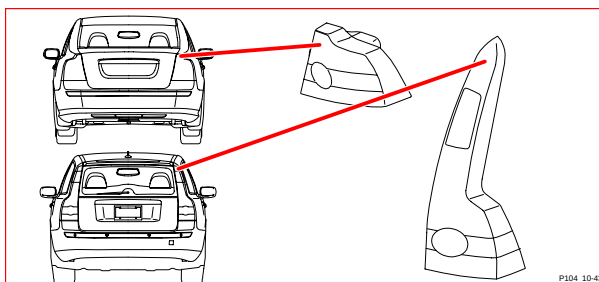
10/29 Glove compartment lighting



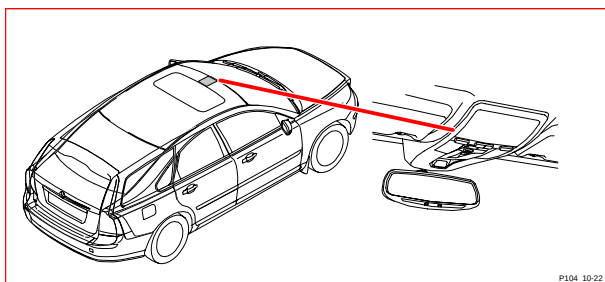
10/19 Auxiliary brake light



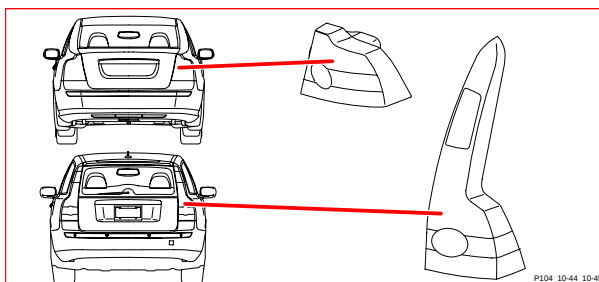
10/43 Brake light, right



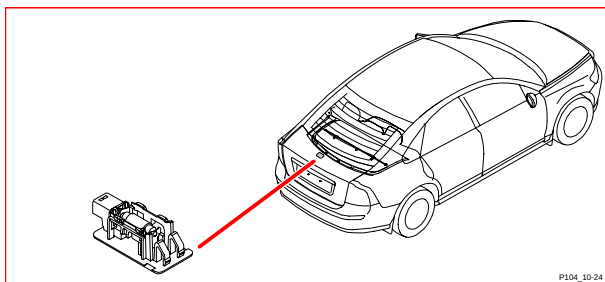
10/22 Ceiling light



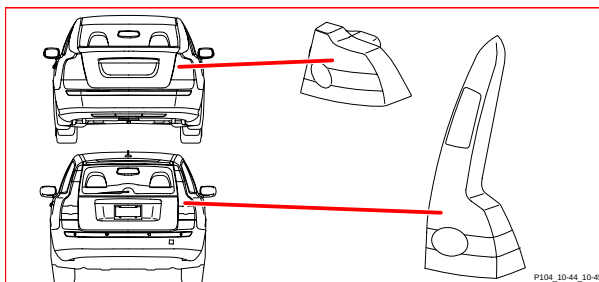
10/44 Taillight 1, right



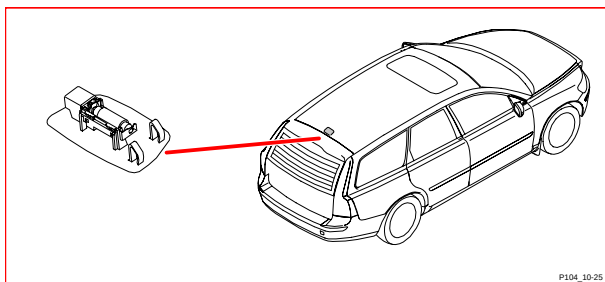
10/24 Cargo compartment lighting



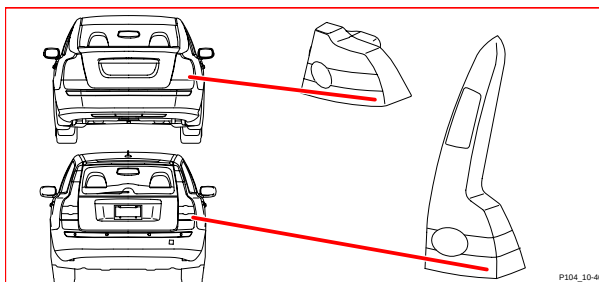
10/45 Taillight 2, right



10/25 Ceiling light, cargo compartment



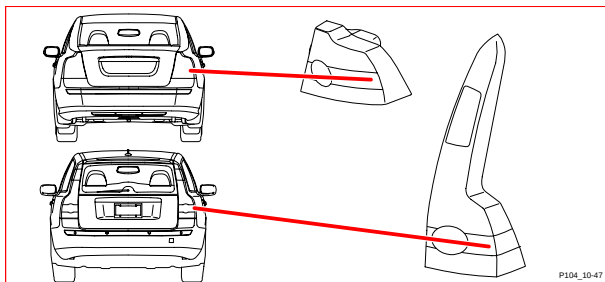
10/46 Fog light, right rear



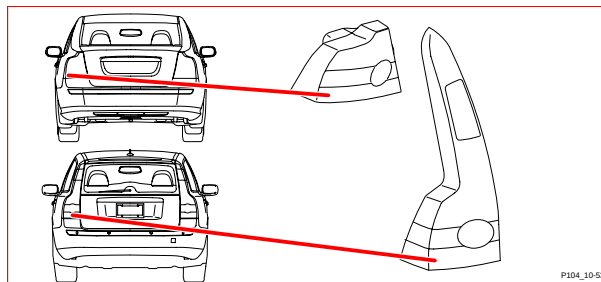
Component illustrations

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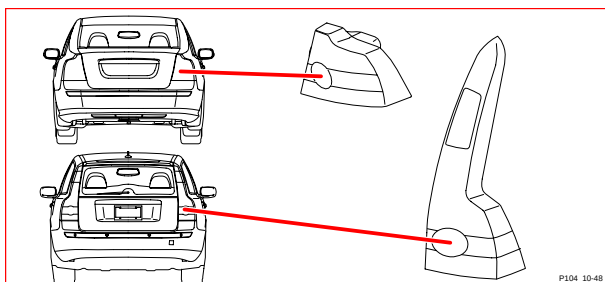
10/47 Direction indicator, right rear



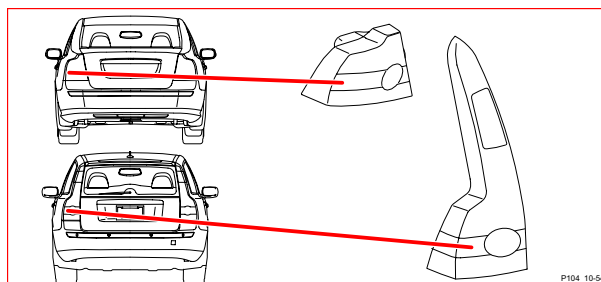
10/53 Fog light, left rear



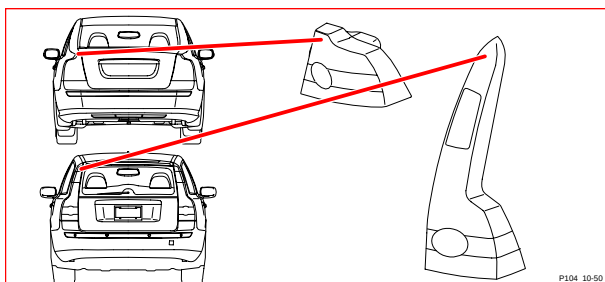
10/48 Reversing light, right



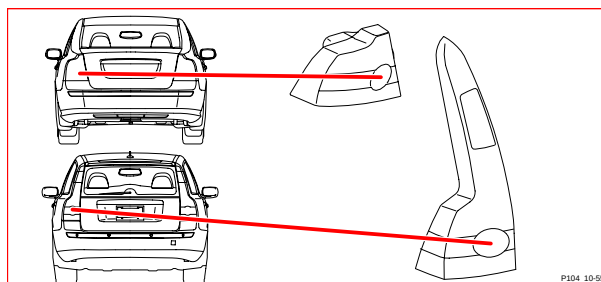
10/54 Direction indicator, left rear



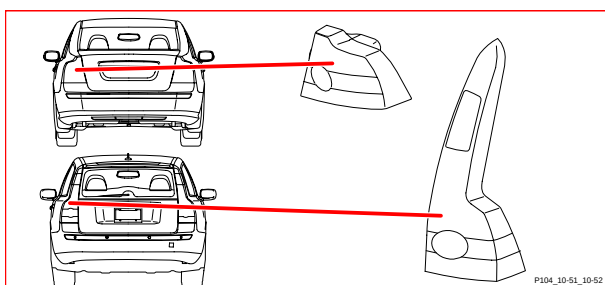
10/50 Brake light, left



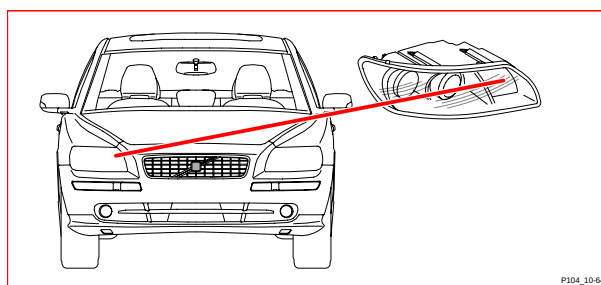
10/55 Reversing light, left



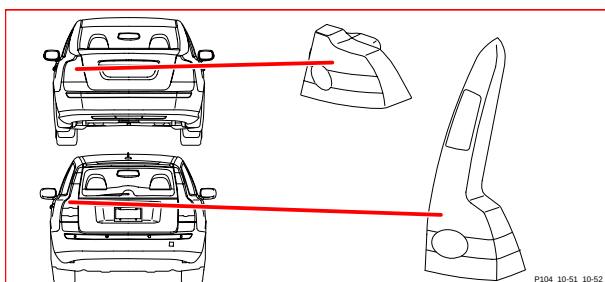
10/51 Taillight 1, left



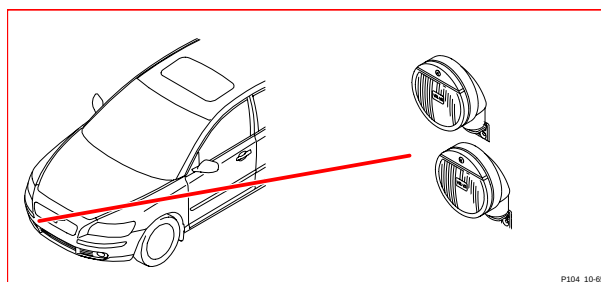
10/64 High beam, right



10/52 Taillight 2, left



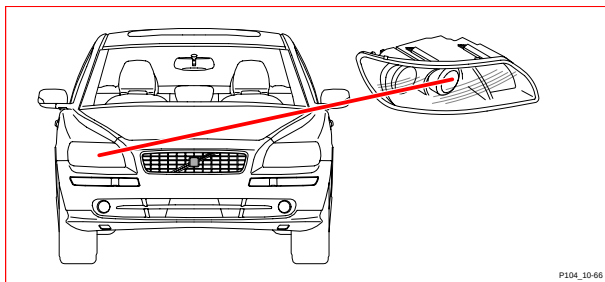
10/65 Auxiliary light, front right



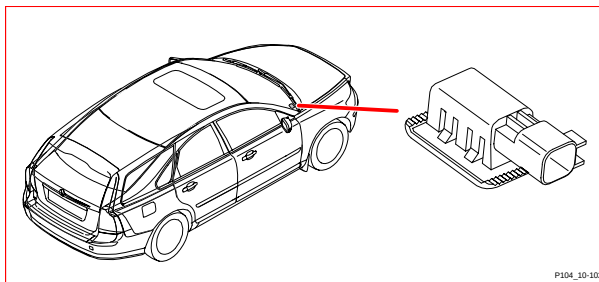
Component illustrations

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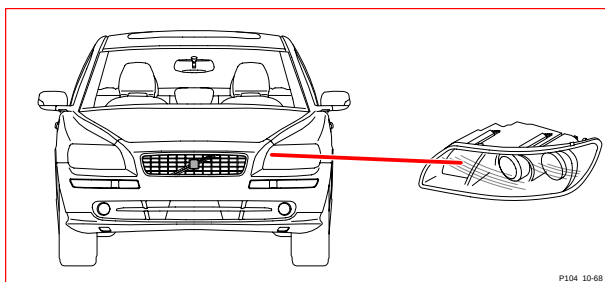
10/66 Low beam, right



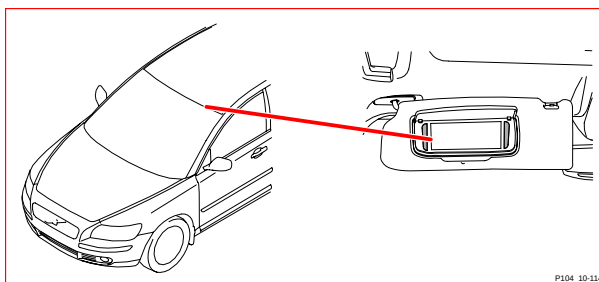
10/102 Courtesy lighting, right



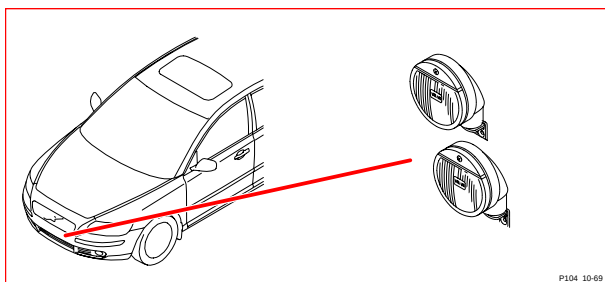
10/68 High beam, left



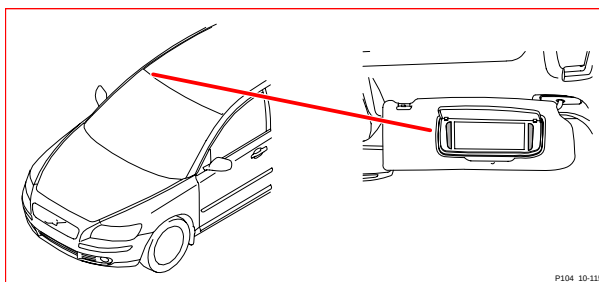
10/114 Vanity mirror lighting, left



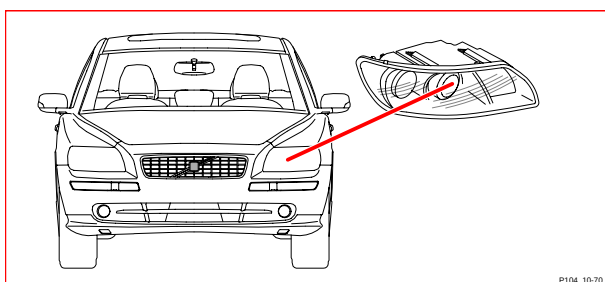
10/69 Auxiliary light, front left



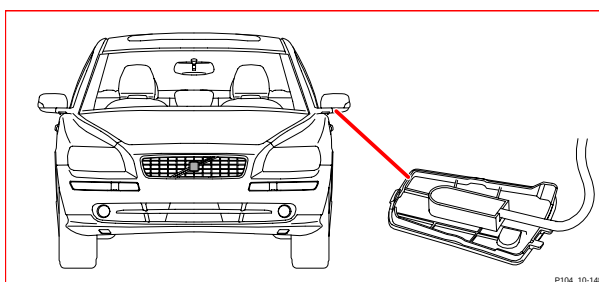
10/115 Vanity mirror lighting, right



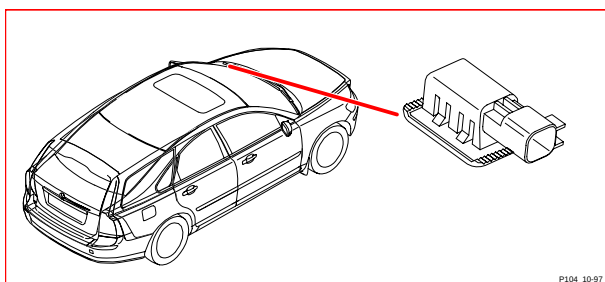
10/70 Low beam, left



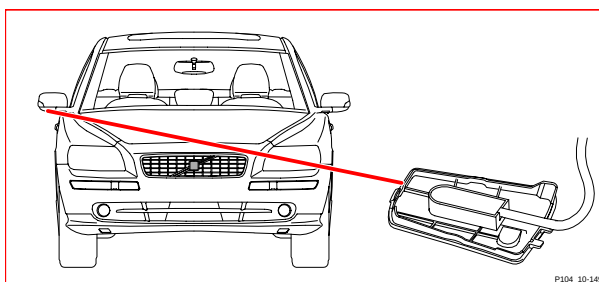
10/148 Lighting, driver's door mirror



10/97 Courtesy lighting, left

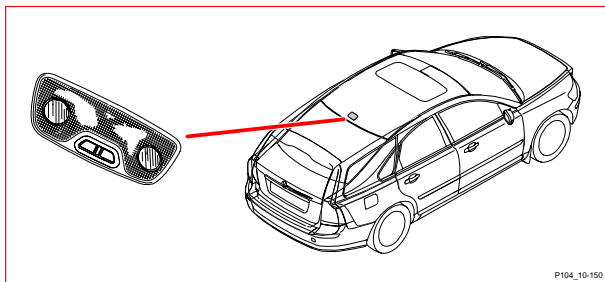


10/149 Lighting, passenger door mirror

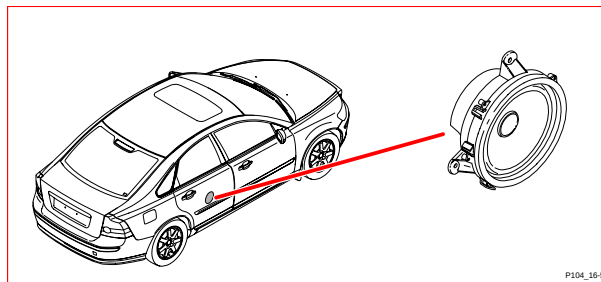


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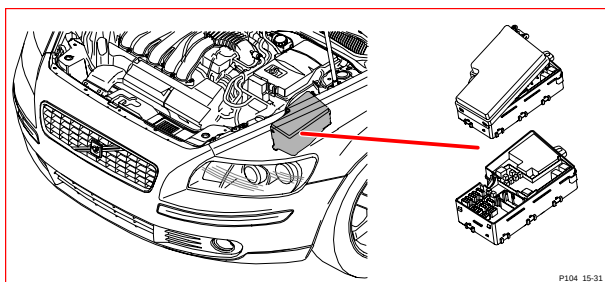
10/150 Rear reading light



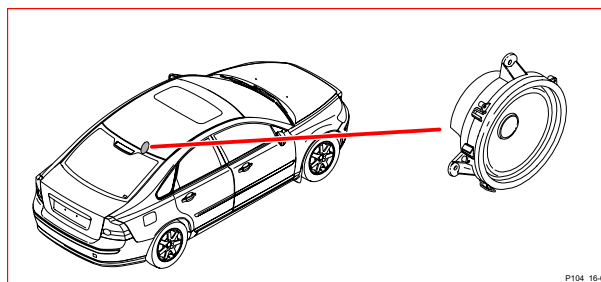
16/5 Speaker, right rear door



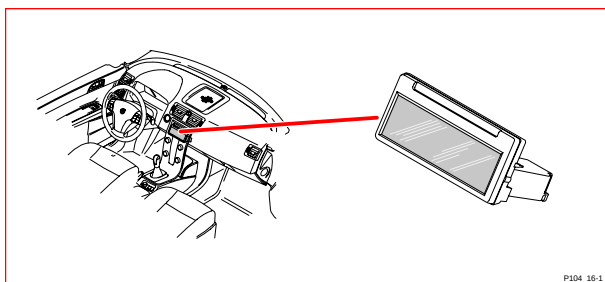
15/31 Engine compartment distribution box



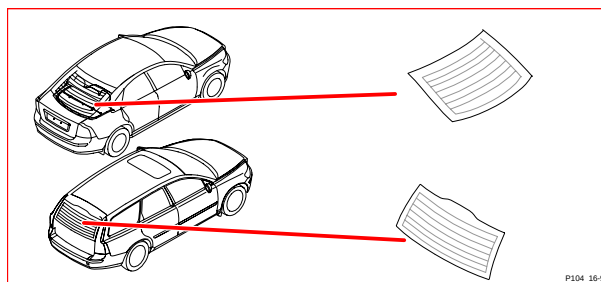
16/6 Speaker, left rear door



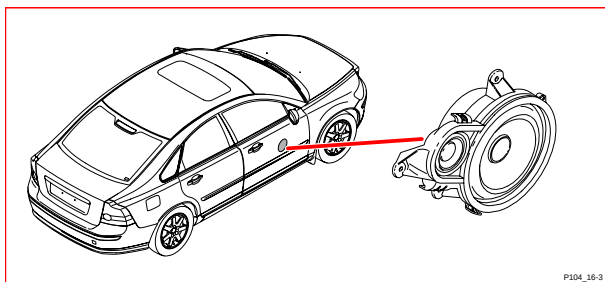
16/1 Infotainment Control Module (ICM)



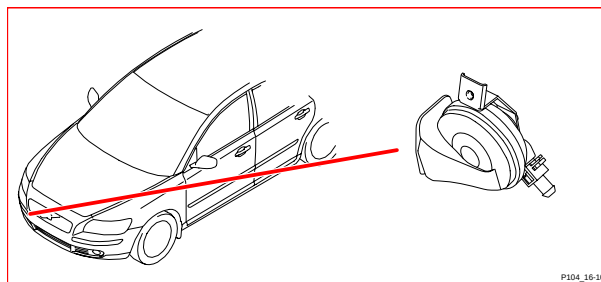
16/9 Window antenna



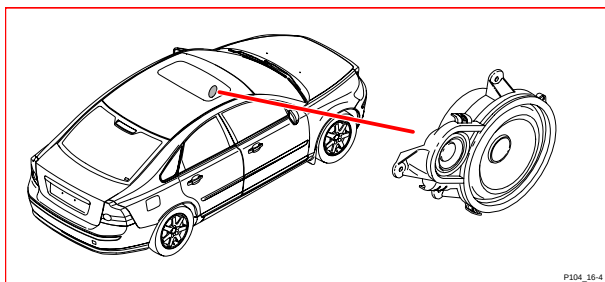
16/3 Speaker, passenger door



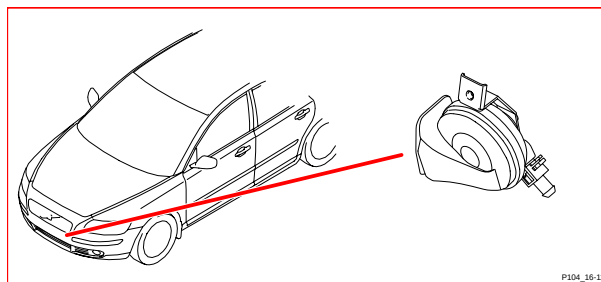
16/10 Horn 1



16/4 Speaker, driver's door



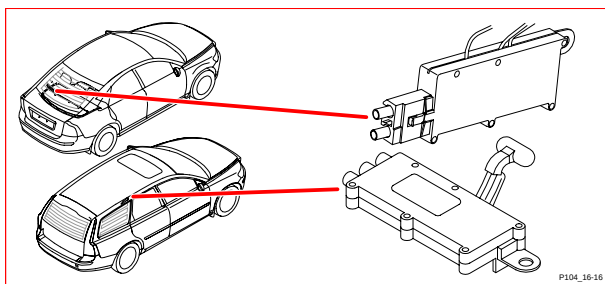
16/11 Horn 2



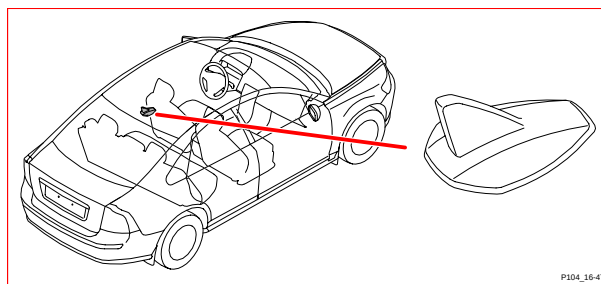
Component illustrations

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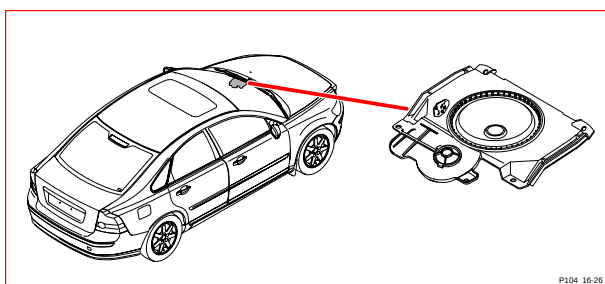
16/16 Window antenna amplifier



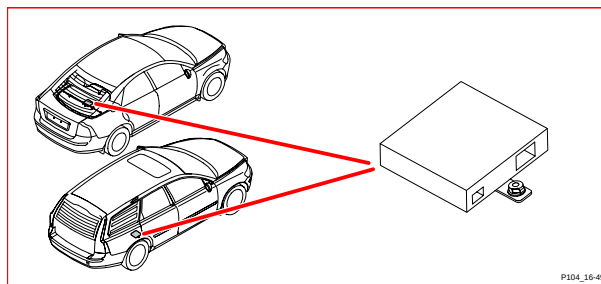
16/47 GPS antenna RTI



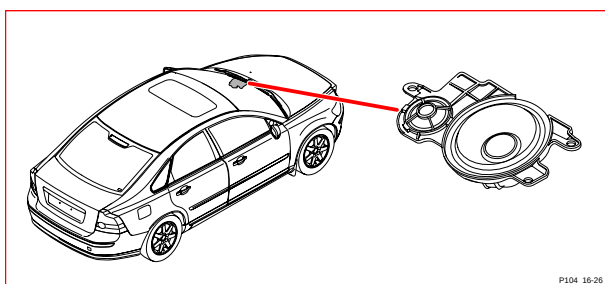
16/26 Center speaker, dashboard



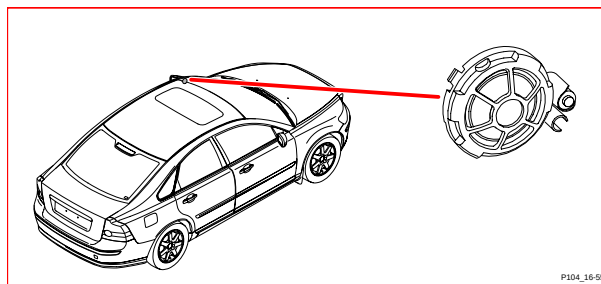
16/49 Traffic Message Channel Module (TMC)



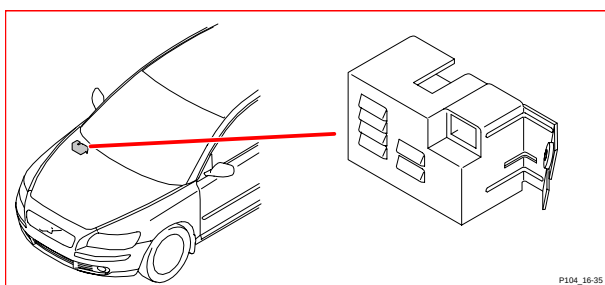
16/26 Center speaker, dashboard, RTI



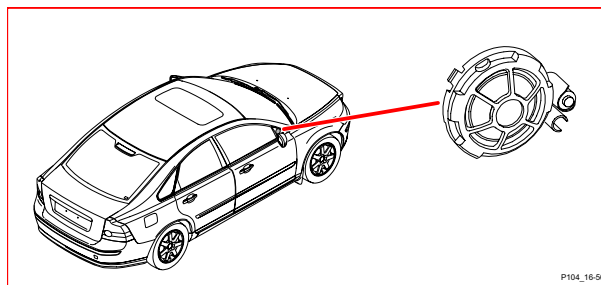
16/55 Tweeter, driver's door



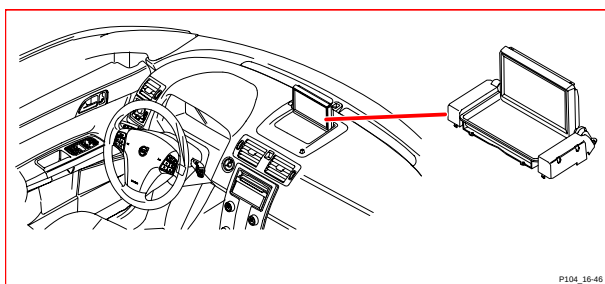
16/35 Siren Control Module (SCM)



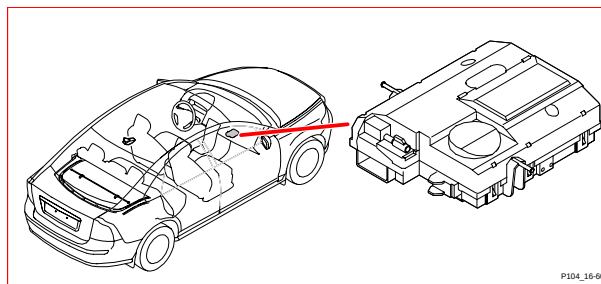
16/56 Tweeter, passenger door



16/46 RTI Display

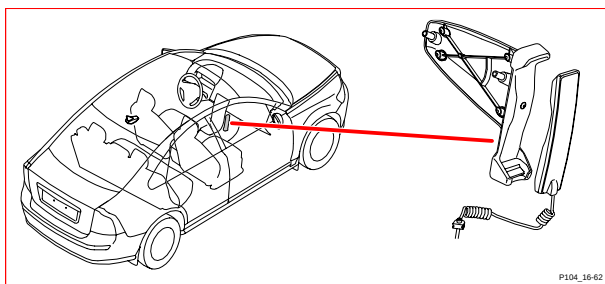


16/60 Phone Module (PHM)

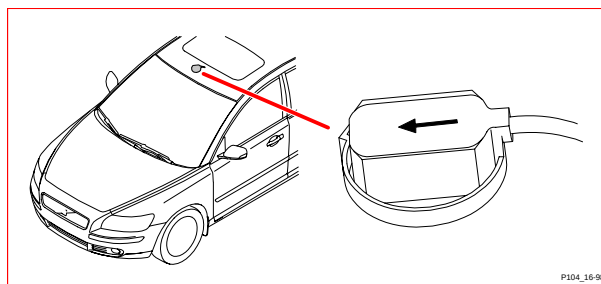


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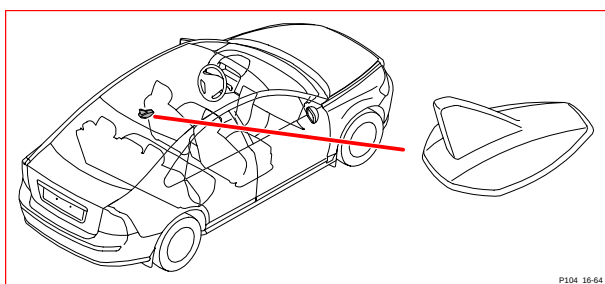
16/62 Hand unit, cellular phone



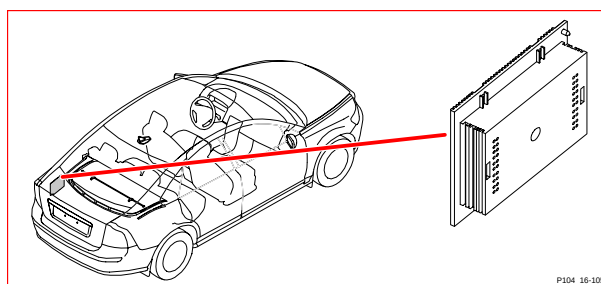
16/98 Microphone



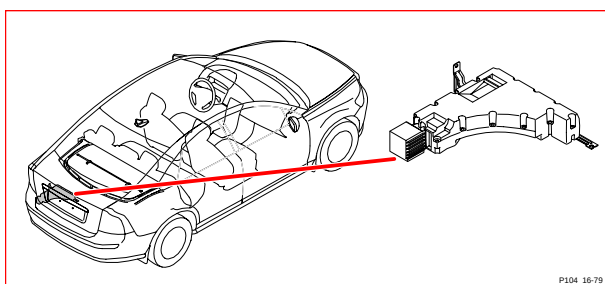
16/64 Antenna, cellular phone



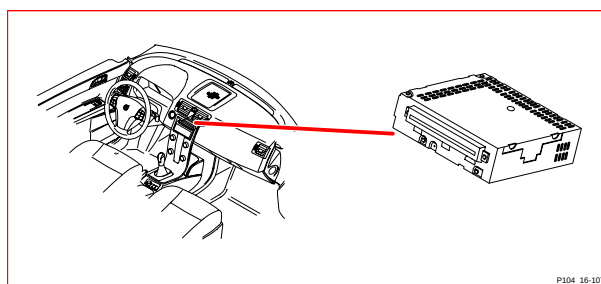
16/105 Audio Module (AUD)



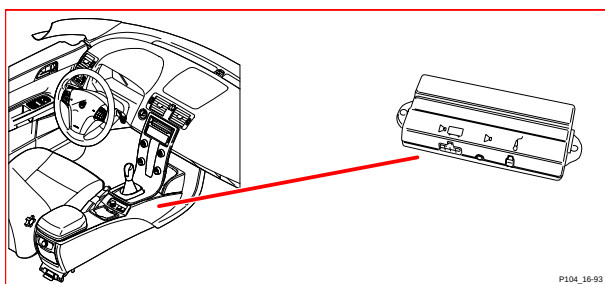
16/79 Subwoofer Module (SUB)



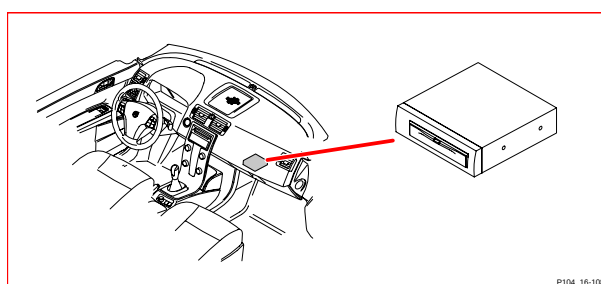
16/107 Media Player Module (MPM)



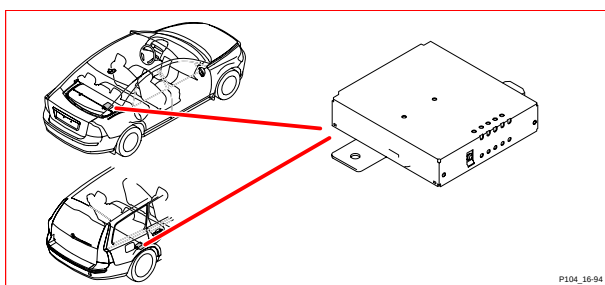
16/93 Control module, cellular phone handsfree



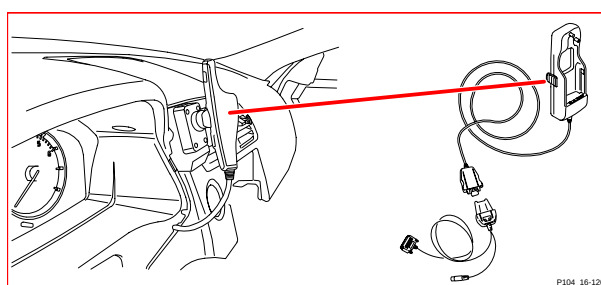
16/108 Multimedia Module (MMM)



16/94 AM/FM Tuner Module (AFM)



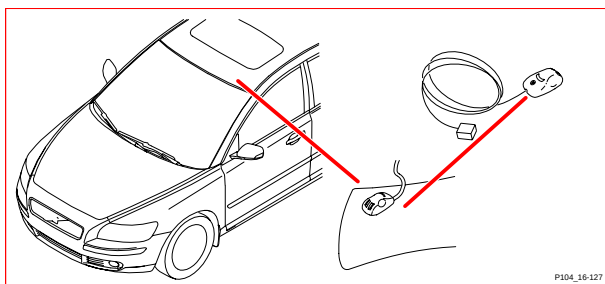
16/126 Holder, cellular phone handsfree



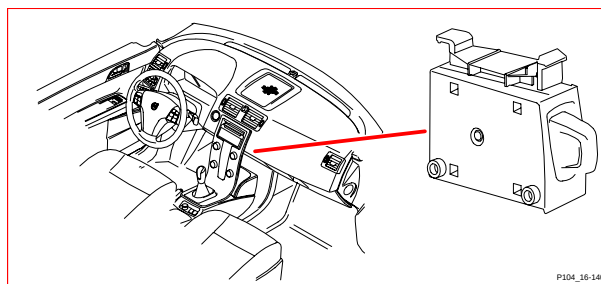
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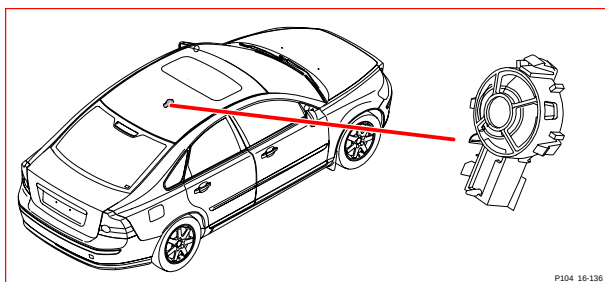
16/127 Microphone, cellular phone handsfree



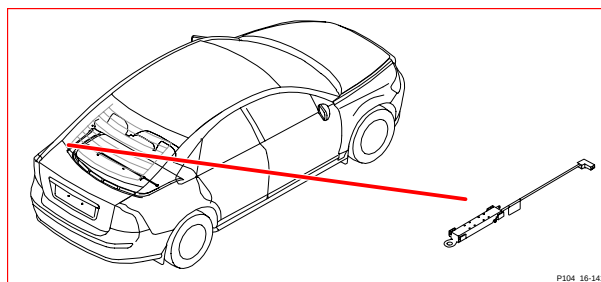
16/140 SIM card reader



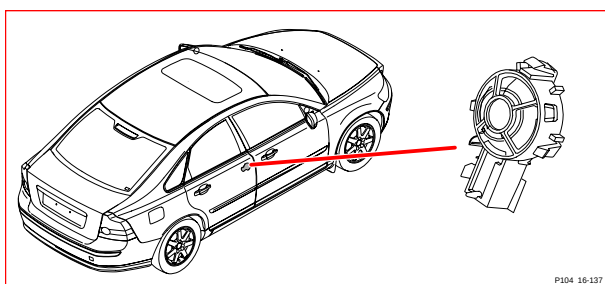
16/136 Tweeter, left rear door



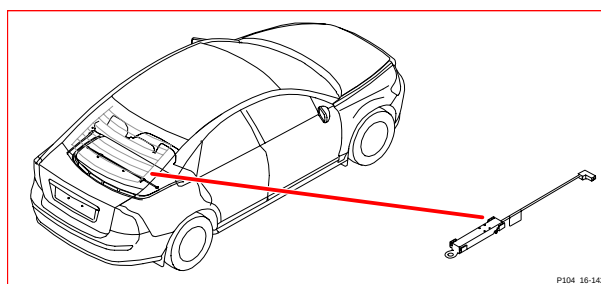
16/141 Interference filter, rear window, left



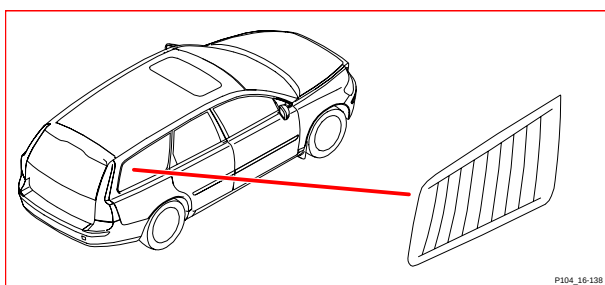
16/137 Tweeter, right rear door



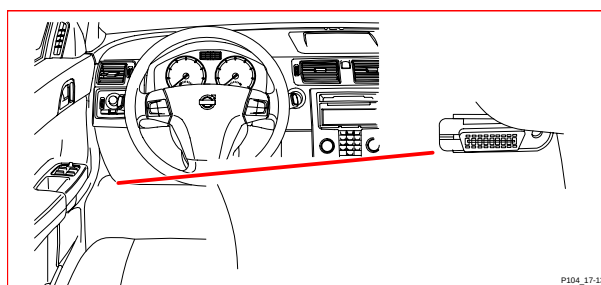
16/142 Interference filter, rear window, right



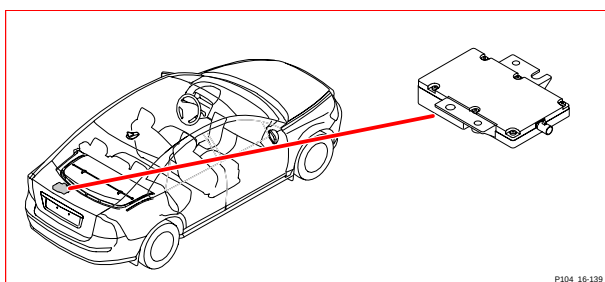
16/138 Window antenna, right rear



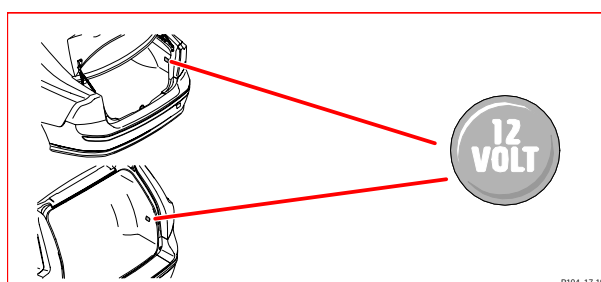
17/13 Data link connector



16/139 Global Positioning System Module (GPS)



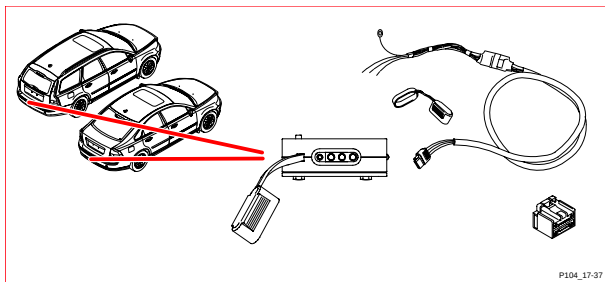
17/19 12V outlet, cargo compartment



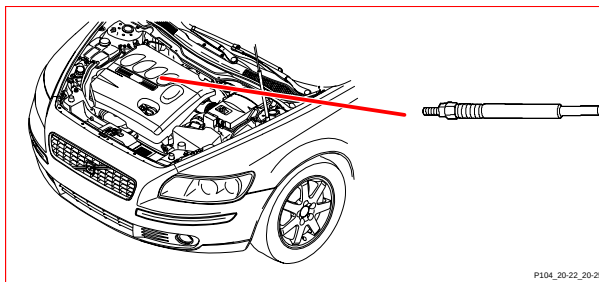
Component illustrations

17/37 - 31/10

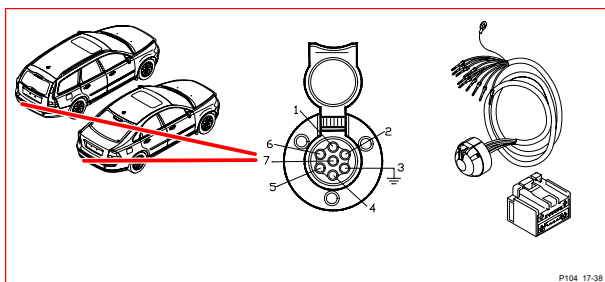
17/37 4-pin outlet, towbar cable harness



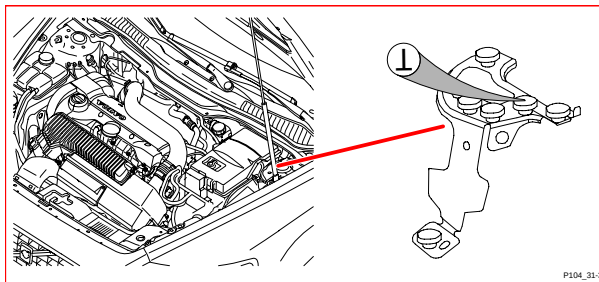
20/22-25 Glow plug



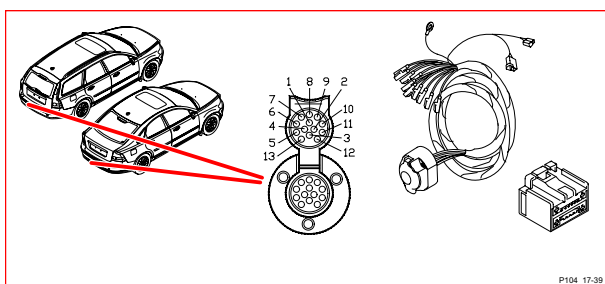
17/38 7-pin outlet, towbar cable harness



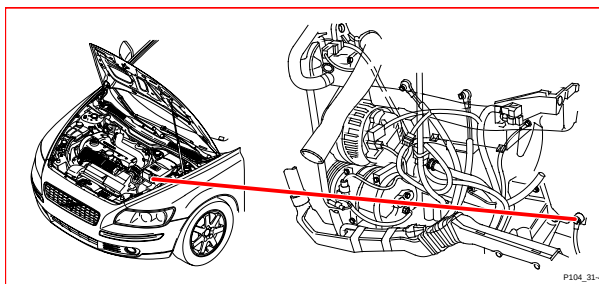
31/3 Ground connection, Left MacPherson strut tower



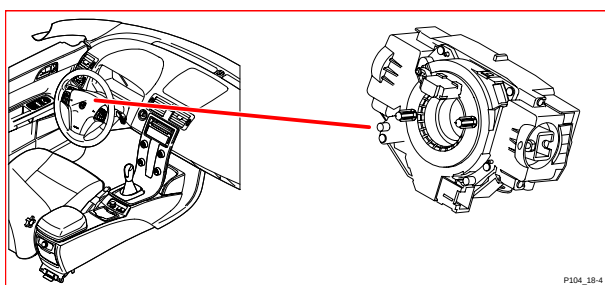
17/39 13-pin outlet, towbar cable harness



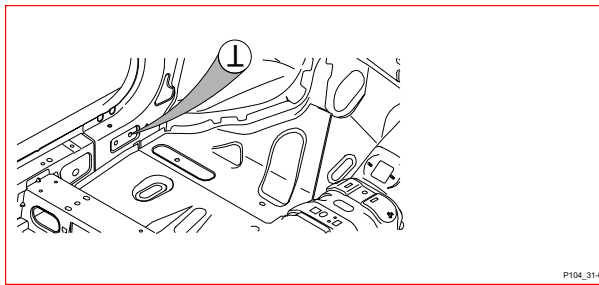
31/4 Ground connection, Engine



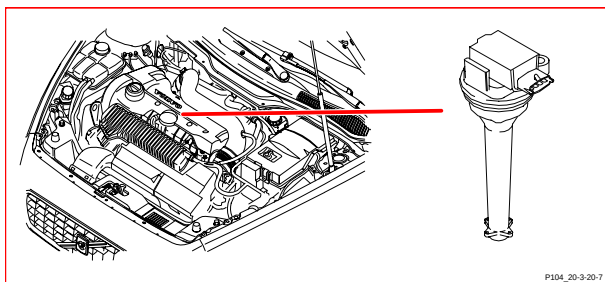
18/4 Contact reel



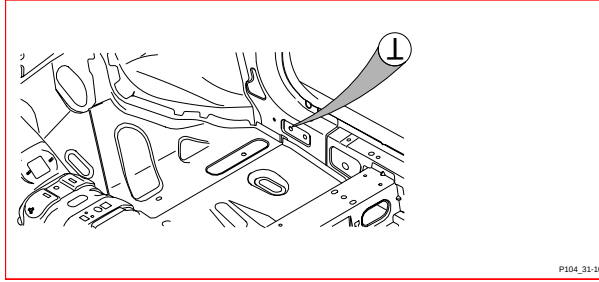
31/6 Ground connection, A-post, driver's side



20/3-7 Spark plug and ignition coil



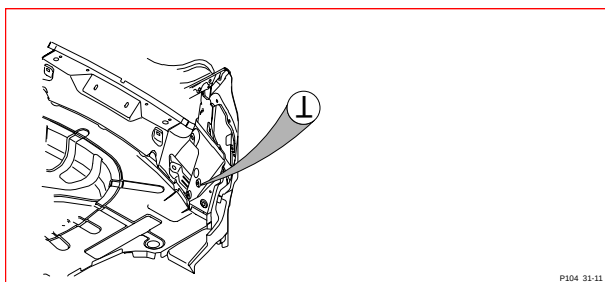
31/10 Ground connection, A-post, passenger side



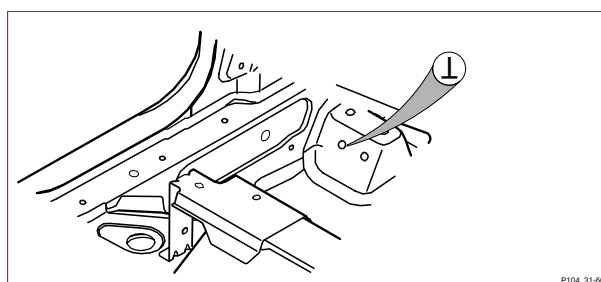
Component illustrations

31/11 - 31/84

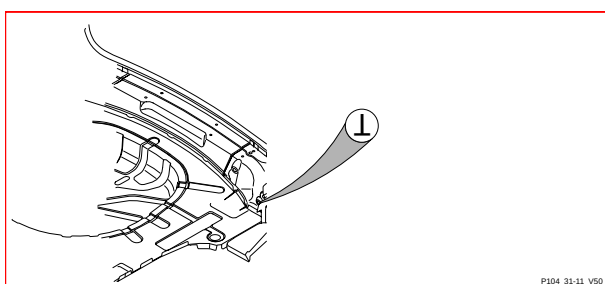
31/11 Ground connection, Rear left side, S40



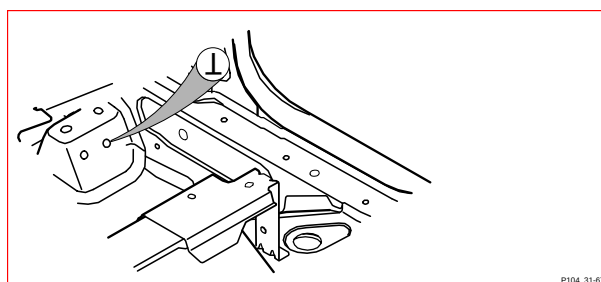
31/66 Ground connection, Left B-post



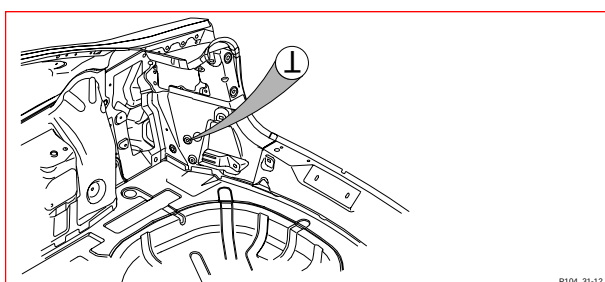
31/11 Ground connection, Rear left side, V50



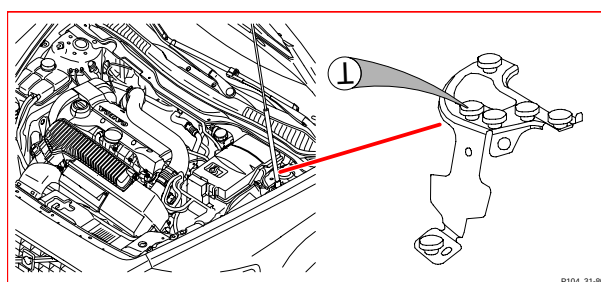
31/67 Ground connection, Right B-post



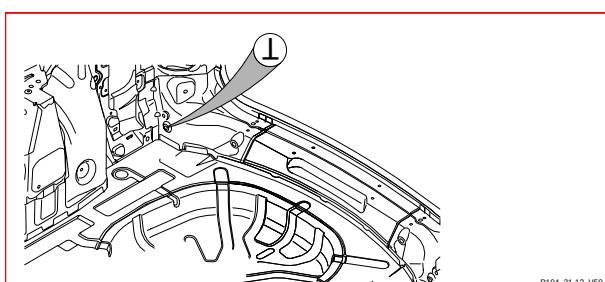
31/12 Ground connection, Rear right side, S40



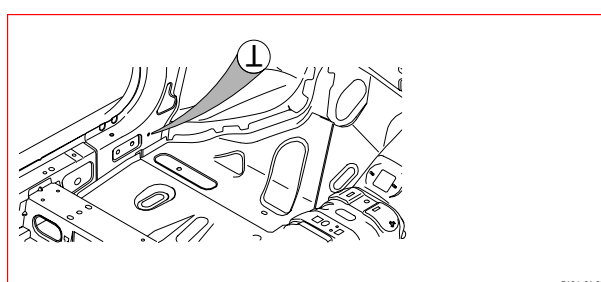
31/80 Ground connection, Left MacPherson strut tower



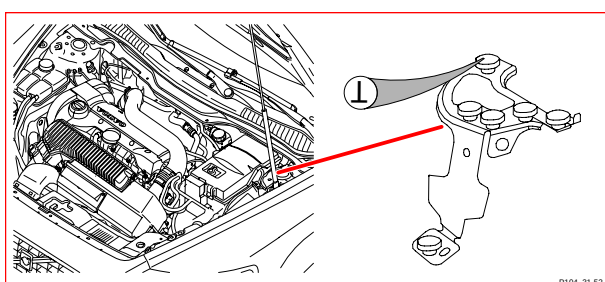
31/12 Ground connection, Rear right side, V50



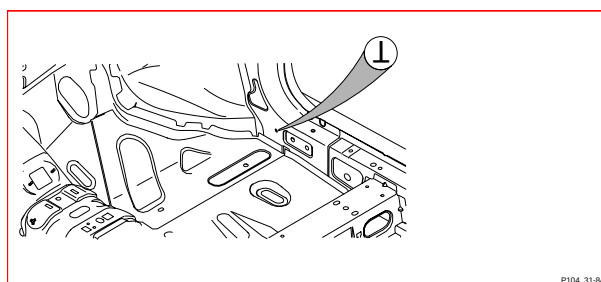
31/83 Ground connection, A-post, driver's side



31/52 Ground connection, Left MacPherson strut tower



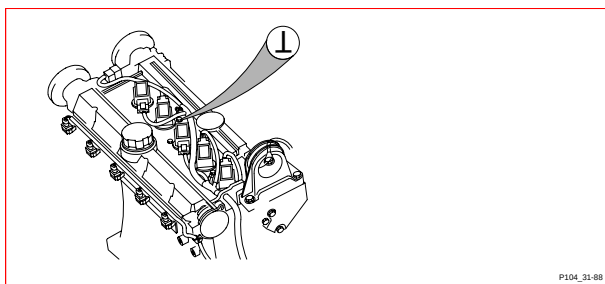
31/84 Ground connection, A-post, passenger side



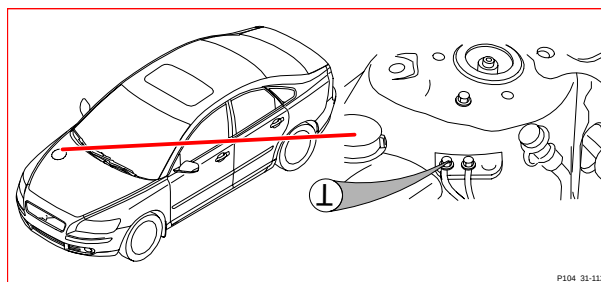
Component illustrations

31/88 - 31/119

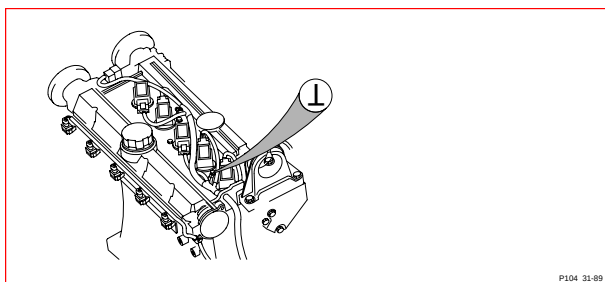
31/88 Ground connection, Engine



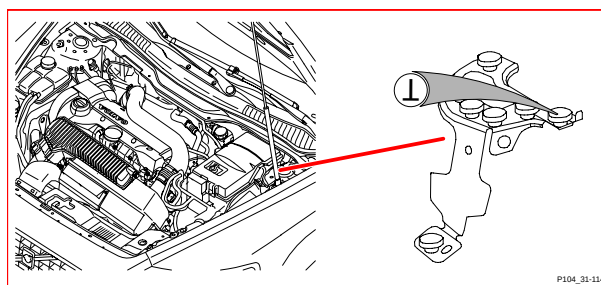
31/112 Ground connection, Right MacPherson strut tower



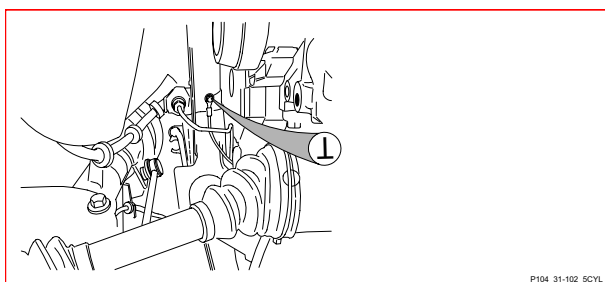
31/89 Ground connection, Engine



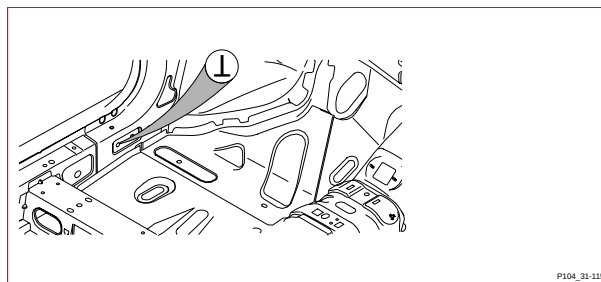
31/114 Ground connection, Left MacPherson strut tower



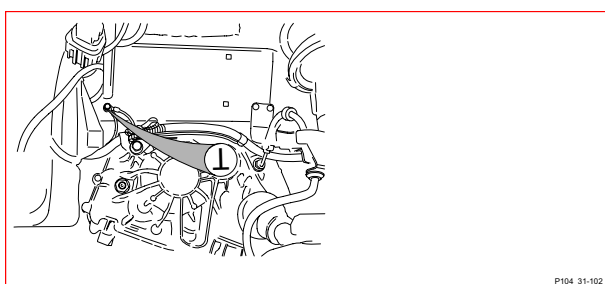
31/102 Ground connection, Front member, Gasoline



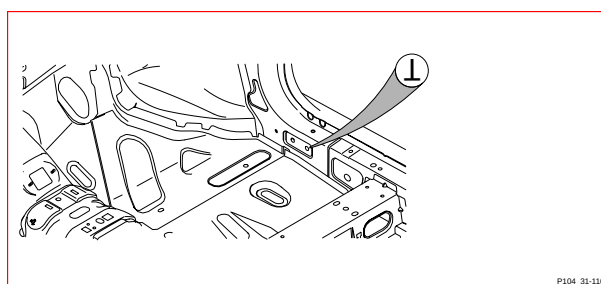
31/115 Ground connection, Left A-post



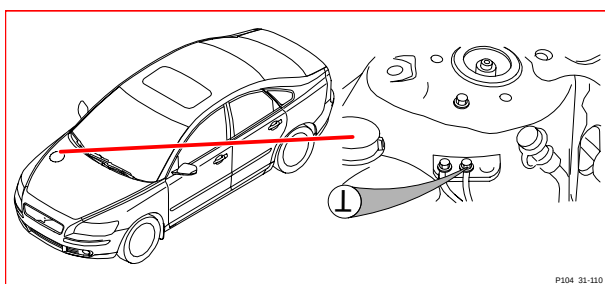
31/102 Ground connection, Front member, Diesel



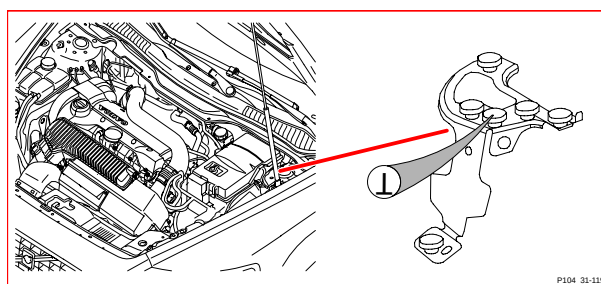
31/116 Ground connection, Right A-post



31/110 Ground connection, Right MacPherson strut tower



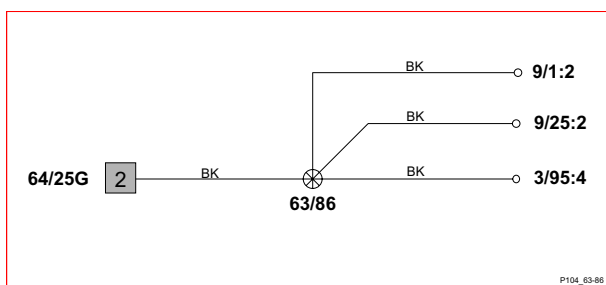
31/119 Ground connection, Left MacPherson strut tower



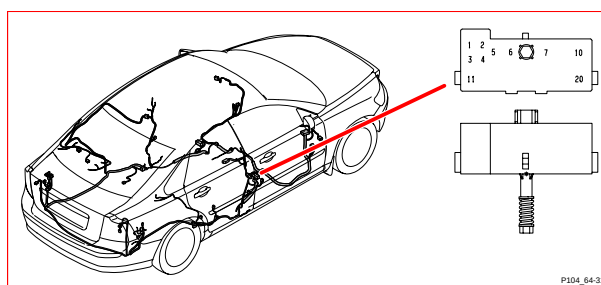
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63/no. - 64/45

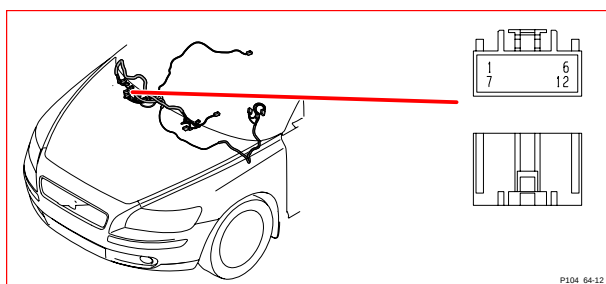
63/no. Junction point



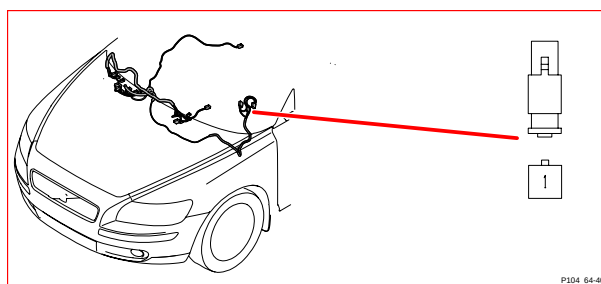
64/31 Connector



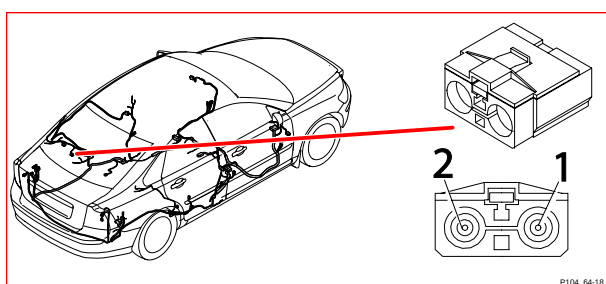
64/12 Connector



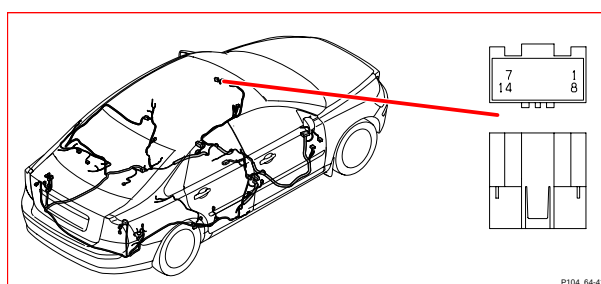
64/40 Connector



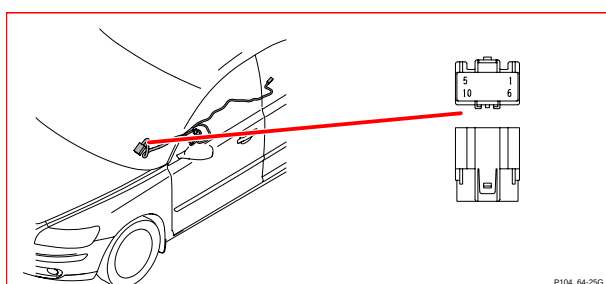
64/18 Connector



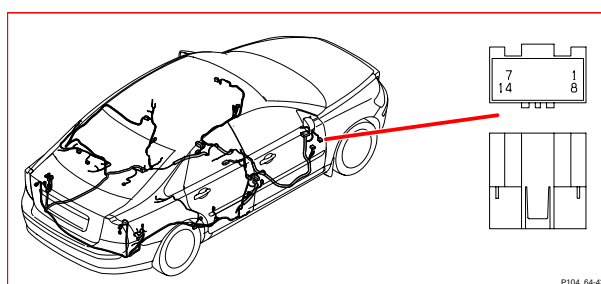
64/41 Connector



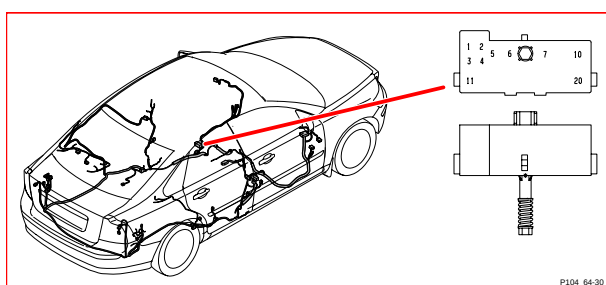
64/25G Connector



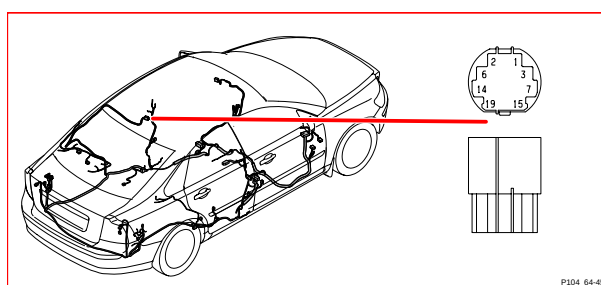
64/43 Connector



64/30 Connector



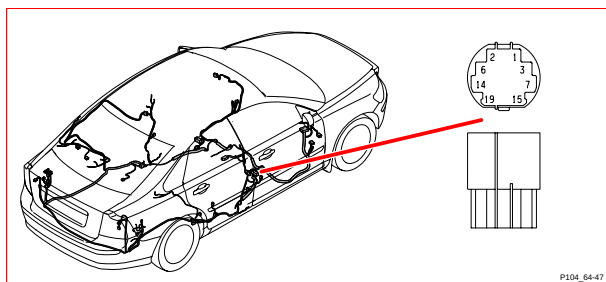
64/45 Connector



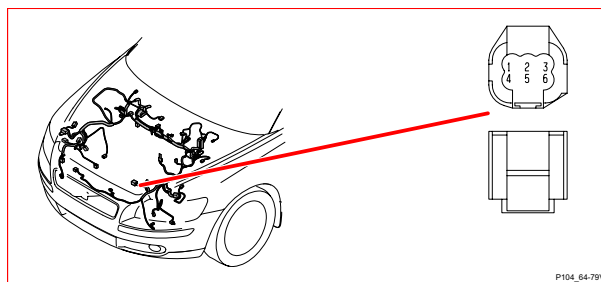
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64/47 - 64/112

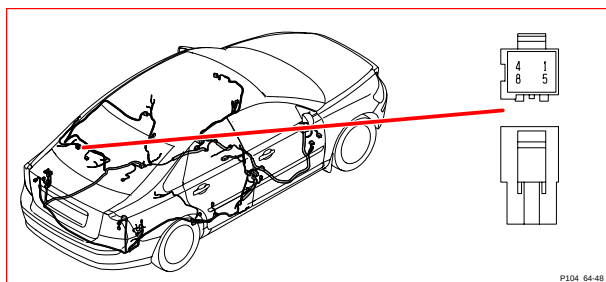
64/47 Connector



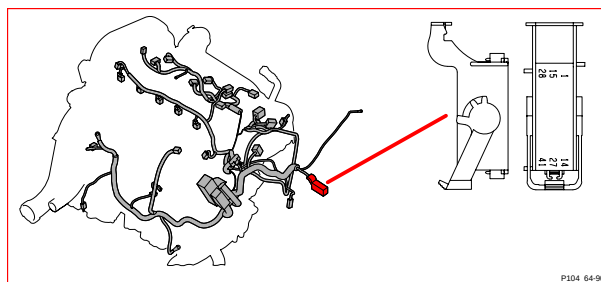
64/79V Connector



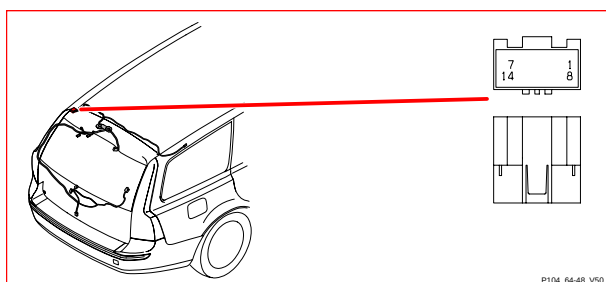
64/48 Connector S40



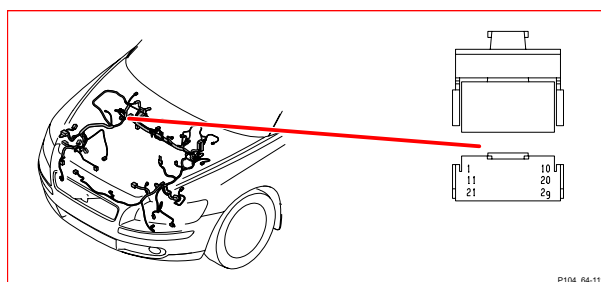
64/90 Connector



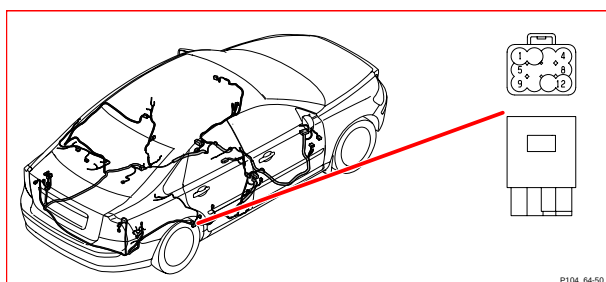
64/48 Connector V50



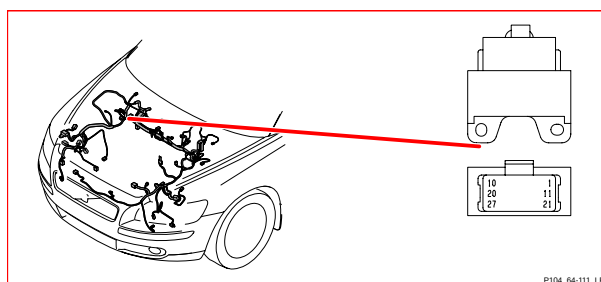
64/111 Connector, E.E



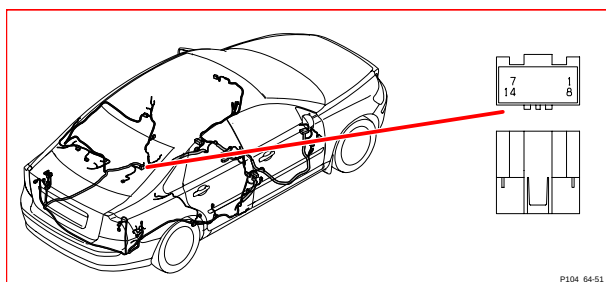
64/50 Connector



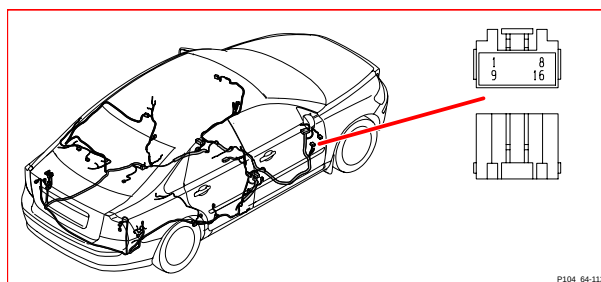
64/111 Connector, L.E



64/51 Connector



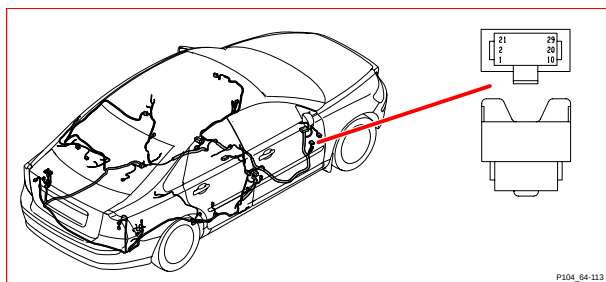
64/112 Connector



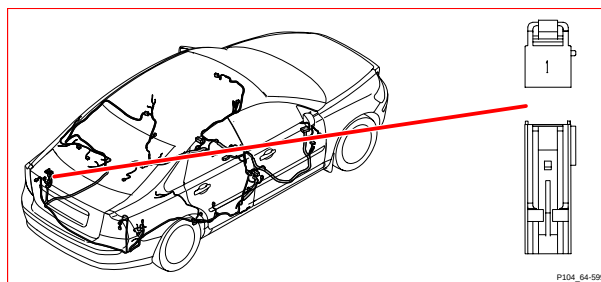
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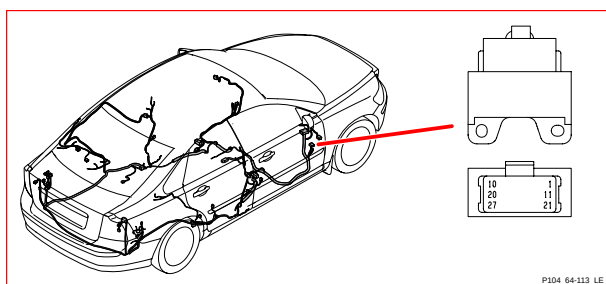
64/113 Connector, E.E



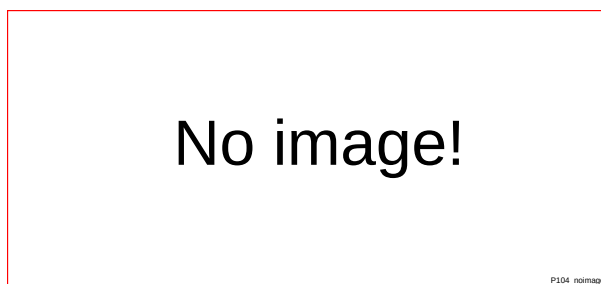
64/599 Connector



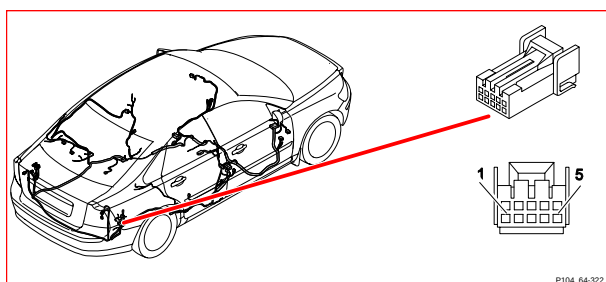
64/113 Connector, L.E



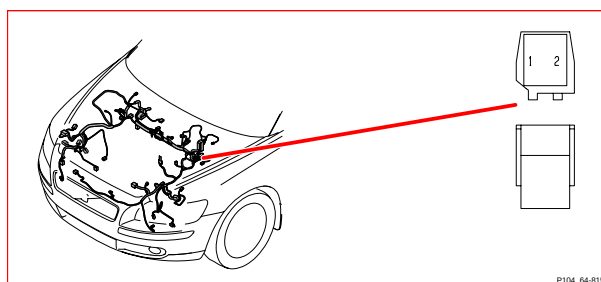
64/600 Connector



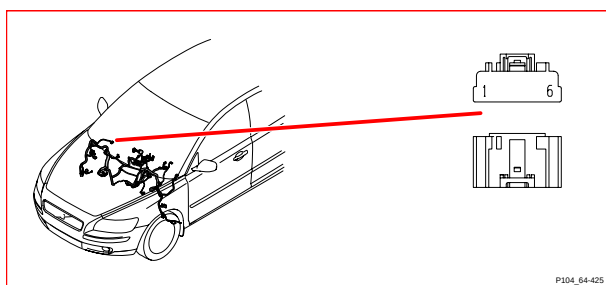
64/322 Connector



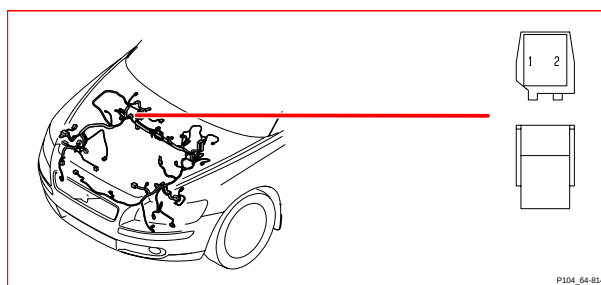
64/814 Connector



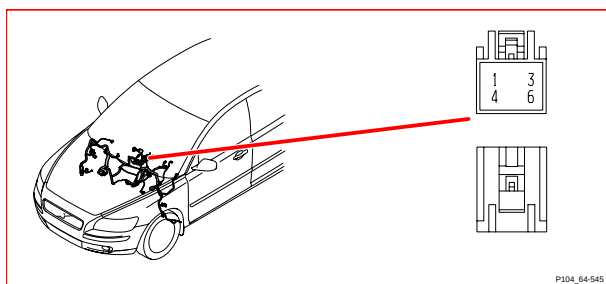
64/425 Connector



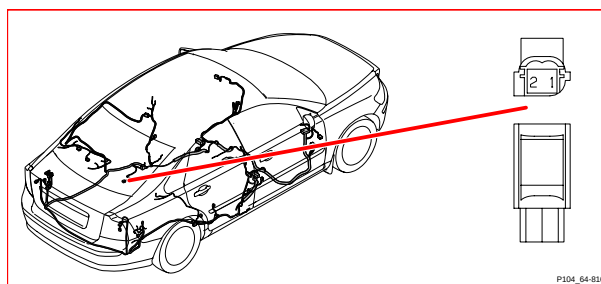
64/815 Connector



64/545 Connector



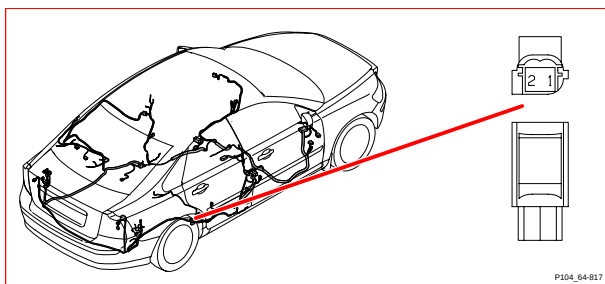
64/816 Connector



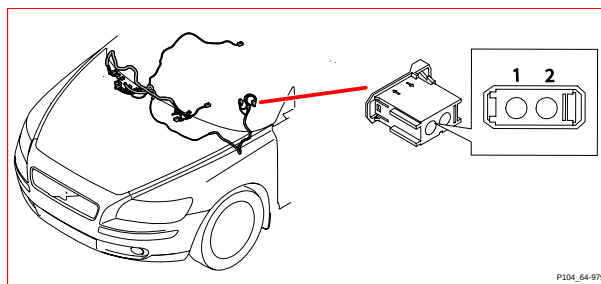
Component illustrations

64/817 - FH/no.

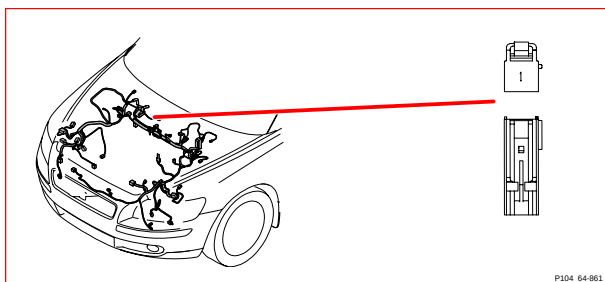
64/817 Connector



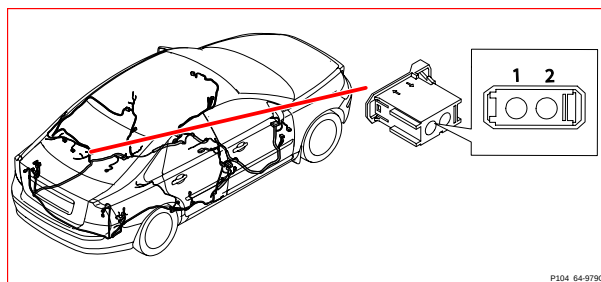
64/979 Connector



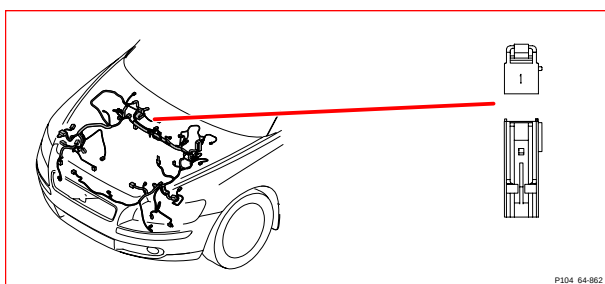
64/861 Connector



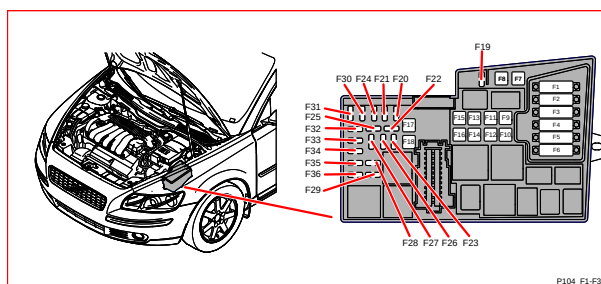
64/979GConnector



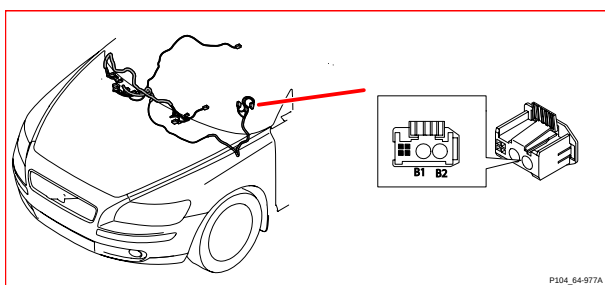
64/862 Connector



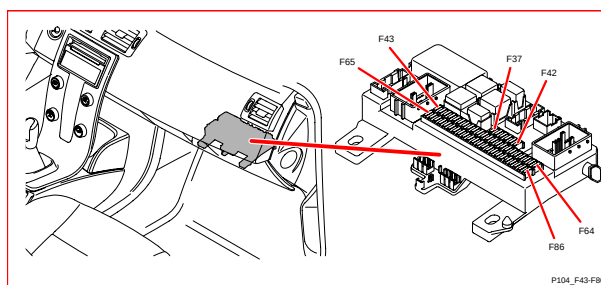
F/no. Fuse



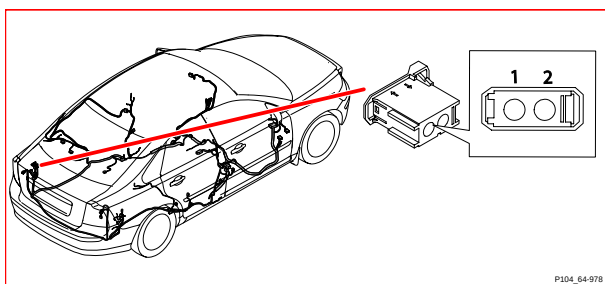
64/977AConnector



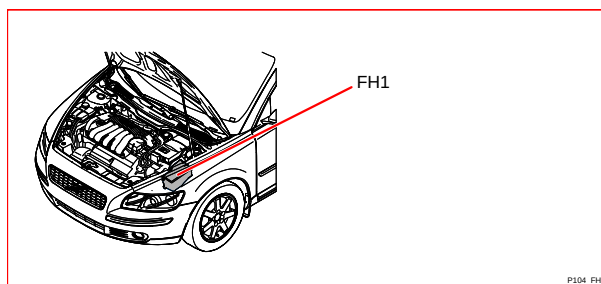
F/no. Fuse



64/978 Connector



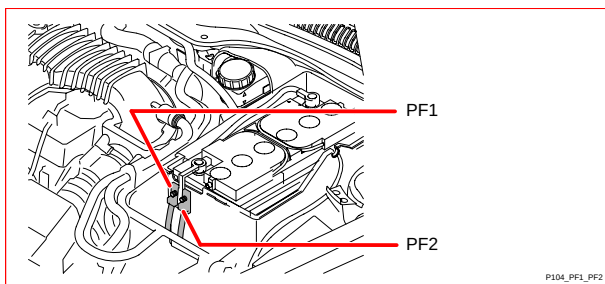
FH/no. Fuse in the holder



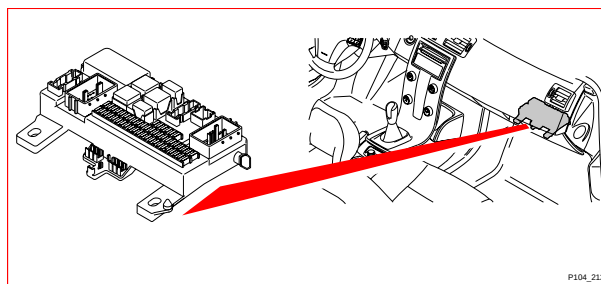
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PF/no. - 64X/322

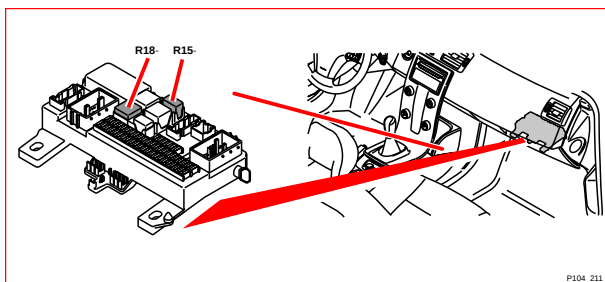
PF/no. Main fuse near the battery



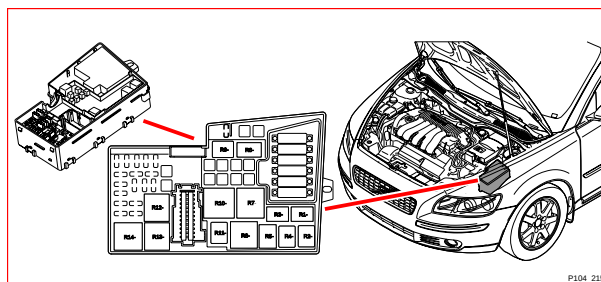
R/no. Relay



R/no. Relay



R/no. Relay



- 10X/17 Connector, original car interface
- 10X/18 Connector, original car interface
- 16X/105 Connector, original car interface
- 17X/19 Connector, original car interface
- 64X/12 Connector, original car interface
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1/1	Battery	3/217	Belt buckle contact, left rear
2/16	Relay, rear window wiper	3/218	Belt buckle contact, center rear
2/17	Relay, horn	3/219	Belt buckle contact, right rear
2/22	Relay, climate control system	3/254	Steering Wheel Module (SWM)
2/23	Fuel pump relay	3/255	Position sensor, driver's seat
2/32	Main relay, engine management system	3/256	Position sensor, passenger seat
2/34	Relay, front fog lights	3/267	Telematics switch unit
2/35	Relay, starter motor	4/7	Combustion Preheater Module (CPM)
2/63	Relay, high beam	4/9	Supplemental Restraint System Module (SRS)
2/64	Relay, auxiliary light (accessory)	4/16	Brake Control Module (BCM)
2/80	Relay, reversing lights	4/28	Transmission Control Module (TCM)
2/82	Relay, heated rear window	4/31	Fan control module
2/89	Relay, interior lighting	4/33	Sunroof control module
2/92	Relay, windshield washer motor	4/46	Engine Control Module (ECM)
2/93	Relay, rear window washer motor	4/46	Engine Control Module (ECM), Diesel
2/142	Relay, pre-heater, fuel filter	4/52	Power Seat Module (PSM)
2/159	Relay, infotainment	4/56	Central Electronic Module (CEM)
2/182	Relay, headlight washer motor	4/71	Cooling fan control module
2/192	Relay, (230V), electric engine heater, Gasoline	4/78	Accessory Electronic Module (AEM)
2/192	Relay (230V), electric engine heater, Diesel	4/83	Fuel pump control module
2/193	Relay, comfort functions	4/102	Steering Column Lock Module (SCL)
3/1	Ignition switch	4/103	Remote Entry (RRX)
3/4	Switch unit, cruise control (SWS)	4/109	Glow plug control module
3/6	Switch, hazard warning flashers	4/110	Trailer Module (TRM)
3/8	Switch, heated rear window/door mirror	4/112	Control module, gas discharge lamp master, left
3/9	Brake light contact	4/113	Control module, gas discharge lamp slave, right
3/10	Reversing light contact	5/1	Driver Information Module (DIM)
3/25	Switch, power sunroof	6/1	Wiper Motor Module (WMM)
3/26	Switch unit, power driver's seat	6/2	Washer pump
3/27	Switch unit, power passenger seat	6/16	Driver's seat motor, backrest rake
3/35	Switch, trunk/tailgate handle	6/17	Driver's seat motor, front edge up/down
3/37	Horn contact	6/18	Driver's seat motor, rear edge up/down
3/39	Clutch pedal contact	6/19	Driver's seat motor, forward/aft
3/46	Seat contact, passenger seat	6/20	Passenger seat motor, forward/aft
3/47	Parking brake contact	6/25	Starter motor
3/60	Switch, auxiliary light	6/26	Generator
3/62	Hood alarm contact	6/28	Motor, passenger compartment fan
3/74	Lock unit, driver's door	6/29	Motor, electric cooling fan
3/75	Lock unit, passenger door	6/32	Rear window wiper motor
3/76	Lock unit, left rear door	6/33	Fuel pump
3/77	Lock unit, right rear door	6/35	Fuel pump, auxiliary heater
3/78	Lock unit, trunk lid/tailgate	6/37	Lock motor, fuel filler flap
3/80	Switch, central locking, driver's door	6/38	Left headlight adjustment motor
3/81	Power window switches, driver's door	6/39	Right headlight adjustment motor
3/82	Switch, central locking, passenger door	6/48	Damper motor, recirculation
3/83	Power window switch, passenger door	6/62	Power driver's door mirror
3/85	Power window switch, left rear door	6/63	Power passenger door mirror
3/86	Power window switch, right rear door	6/64	Passenger seat motor, backrest rake
3/93	Belt buckle contact, driver's seat	6/65	Passenger seat motor, front edge up/down
3/94	Belt buckle contact, passenger seat	6/66	Passenger seat motor, rear edge up/down
3/95	Spin control switch	6/67	Pump, fuel leakage control
3/111	Switch unit, lights	6/71	Electrical Power Steering Module (EPS)
3/112	Climate Control Module (CCM)	6/73	Coolant pump, auxiliary heater
3/117	Switch unit, ceiling light	6/95	Damper motor, temperature, left-hand side
3/126	Driver's Door Module (DDM)	6/96	Damper motor, temperature, right-hand side
3/127	Passenger Door Module (PDM)	6/102	Damper motor, defroster
3/128	Left Rear Door Module (LDM)	6/103	Damper motor, floor/ventilation
3/129	Right Rear Door Module (RDM)	6/104	Pump, high pressure headlight washer
3/155	Automatic transmission program selector	6/114	Vacuum pump
3/156	Gear Selector Module (GSM)	6/117	Interior temperature sensor
3/173	Switch, trunk lid/tailgate private lock	6/120	Engine throttle body
3/174	Switch, reduced alarm		

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7/3	Battery temperature sensor	8/6-10	Injectors
7/4	Brake fluid level sensor	8/18	EVAP valve
7/5	Washer fluid level sensor	8/19	Solenoid, variable valve timing, intake
7/6	Oil pressure sensor	8/28	Turbocharger control valve
7/8	Pressure sensor, climate control system	8/30	Airbag igniter, driver's side
7/12	Solar sensor, twilight sensor and indicator alarm	8/31	Airbag igniter, passenger side
7/15	Heated oxygen sensor, front	8/32	Igniter, airbag stage 2, passenger side
7/16	Coolant temperature sensor	8/33	Igniter, belt tensioner, driver's side
7/17	Mass airflow sensor (MAF)	8/34	Igniter, belt tensioner, passenger side
7/24	Front knock sensor	8/36	Shift lock solenoid
7/25	Pulse generator, Gasoline	8/37	Automatic transmission
7/25	Pulse generator, Diesel	8/38	Shift solenoid 1
7/31	ABS sensor, front left	8/39	Shift solenoid 2
7/32	ABS sensor, front right	8/40	Lock-up solenoid
7/41	Evaporator temperature sensor	8/41	Pressure solenoid
7/51	Accelerator pedal sensor	8/48	Auto-dimming rearview mirror
7/56	ABS sensor, rear left	8/51	Side airbag igniter, driver's side
7/57	ABS sensor, rear right	8/52	Side airbag igniter, passenger side
7/61	Input speed sensor	8/55	Igniter, left rear belt tensioner
7/62	Output speed sensor	8/56	Igniter, right rear belt tensioner
7/69	Outside temperature sensor	8/61	Igniter, airbag stage 2, driver's side
7/71	Charge pressure sensor	8/66	Igniter, left inflatable curtain
7/74	Oil temperature sensor, automatic transmission	8/67	Igniter, right inflatable curtain
7/77	Temperature sensor, intake air	8/68	Bypass valve
7/81	Pressure sensor, intake manifold	8/71	Throttle solenoid
7/82	Heated oxygen sensor, rear	8/72	Shift solenoid 3
7/93	Occupant Weight Sensor (OWS)	8/73	Shift solenoid 4
7/100	Level sensor, alarm	8/74	Shift solenoid 5
7/108	Side impact sensor, rear left	8/77	Control valve, fuel volume
7/109	Side impact sensor, rear right	8/81	Solenoid, variable valve timing outlet
7/110	Sensor, driver's seat temperature	8/82	Solenoid, variable turbo geometry
7/111	Sensor, passenger seat temperature	8/84	Switch, vacuum pump
7/115	Side impact sensor, front left	8/92	Driver's lap belt tensioner
7/116	Side impact sensor, front right	8/99	Igniter, steering column
7/120	Angle sensor, Bi-Xenon, rear	8/119	Pressure monitor, climate control system
7/121	Angle sensor, Bi-Xenon, front	8/120	EGR valve
7/122	Mass movement sensor, front	8/127	Pressure switch, climate control system
7/123	Clutch pedal sensor	8/128	Driver's belt force limiter
7/124	Brake pedal sensor	8/129	Passenger belt force limiter
7/143	Fuel level sensor, pump side	8/131	Cut-off valve, expansion tank
7/149	Rain Sensor Module (RSM)	8/132	Control valve, intake
7/154	Fuel temperature sensor	8/133	Control valve, fuel pressure
7/156	Fuel pressure and temperature sensor, gasoline	8/134	Solenoid, reverse interlock, manual
7/158	Mass movement sensor, rear		
7/159	Air quality sensor	9/1	Front 12V outlet
7/162	Pressure sensor, fuel line	9/2	Heated rear window
7/164	Body Sensor Cluster (BSC)	9/12	Seat Heater Module (SHM), driver's side
7/165	Pressure and temperature sensor, intake manifold	9/13	Seat Heater Module (SHM), passenger side
7/172	Camshaft position sensor, intake side	9/16	Heating element, driver's seat backrest
7/173	Camshaft position sensor, exhaust side	9/17	Heating element, passenger seat backrest
7/178	Right-hand front impact sensor	9/18	Heating element, driver's seat cushion
7/179	Left-hand front impact sensor	9/19	Heating element, passenger seat cushion
7/182	Remote control IR sensor, RTI	9/25	Rear 12V outlet
7/193	Position sensor, turbo	9/30	Auxiliary heater
7/194	Belt pulley sensor, driver	9/32	PTC resistor, oil trap
7/195	Belt pulley sensor, passenger	9/33	Heated driver's door mirror
		9/34	Heated passenger door mirror
		9/38	Heated fuel filter
8/3	Electromagnetic clutch, climate control system	9/41	PTC element

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10/1	Lamp housing, front left	16/49	Traffic Message Channel Module (TMC)
10/2	Lamp housing, front right	16/55	Tweeter, driver's door
10/3	License plate lighting	16/56	Tweeter, passenger door
10/5	Fog light, front left	16/60	Phone Module (PHM)
10/6	Fog light, front right	16/62	Hand unit, cellular phone
10/11	Position/parking light, front left	16/64	Antenna, cellular phone
10/12	Position/parking light, front right	16/79	Subwoofer Module (SUB)
10/13	Direction indicator, front left	16/93	Control module, cellular phone handsfree
10/14	Direction indicator, front right	16/94	AM/FM Tuner Module (AFM)
10/15	Direction indicator, driver's door mirror	16/98	Microphone
10/16	Direction indicator, passenger door mirror	16/105	Audio Module (AUD)
10/17	Lamp housing, rear right	16/107	Media Player Module (MPM)
10/18	Lamp housing, rear left	16/108	Multimedia Module (MMM)
10/19	Auxiliary brake light	16/126	Holder, cellular phone handsfree
10/22	Ceiling light	16/127	Microphone, cellular phone handsfree
10/24	Cargo compartment lighting	16/136	Tweeter, left rear door
10/25	Ceiling light, cargo compartment	16/137	Tweeter, right rear door
10/29	Glove compartment lighting	16/138	Window antenna, right rear
10/43	Brake light, right	16/139	Global Positioning System Module (GPS)
10/44	Taillight 1, right	16/140	SIM card reader
10/45	Taillight 2, right	16/141	Interference filter, rear window, left
10/46	Fog light, right rear	16/142	Interference filter, rear window, right
10/47	Direction indicator, right rear		
10/48	Reversing light, right	17/13	Data link connector
10/50	Brake light, left	17/19	12V outlet, cargo compartment
10/51	Taillight 1, left	17/37	4-pin outlet, towbar cable harness
10/52	Taillight 2, left	17/38	7-pin outlet, towbar cable harness
10/53	Fog light, left rear	17/39	13-pin outlet, towbar cable harness
10/54	Direction indicator, left rear		
10/55	Reversing light, left	18/4	Contact reel
10/64	High beam, right		
10/65	Auxiliary light, front right	20/3-7	Spark plug and ignition coil
10/66	Low beam, right	20/22-25	Glow plug
10/68	High beam, left		
10/69	Auxiliary light, front left	31/3	Ground connection, Left MacPherson strut tower
10/70	Low beam, left	31/4	Ground connection, Engine
10/97	Courtesy lighting, left	31/6	Ground connection, A-post, driver's side
10/102	Courtesy lighting, right	31/10	Ground connection, A-post, passenger side
10/114	Vanity mirror lighting, left	31/11	Ground connection, Rear left side, S40
10/115	Vanity mirror lighting, right	31/11	Ground connection, Rear left side, V50
10/148	Lighting, driver's door mirror	31/12	Ground connection, Rear right side, S40
10/149	Lighting, passenger door mirror	31/12	Ground connection, Rear right side, V50
10/150	Rear reading light	31/52	Ground connection, Left MacPherson strut tower
		31/66	Ground connection, Left B-post
15/31	Engine compartment distribution box	31/67	Ground connection, Right B-post
		31/80	Ground connection, Left MacPherson strut tower
16/1	Infotainment Control Module (ICM)	31/83	Ground connection, A-post, driver's side
16/3	Speaker, passenger door	31/84	Ground connection, A-post, passenger side
16/4	Speaker, driver's door	31/88	Ground connection, Engine
16/5	Speaker, right rear door	31/89	Ground connection, Engine
16/6	Speaker, left rear door	31/102	Ground connection, Front member, Gasoline
16/9	Window antenna	31/102	Ground connection, Front member, Diesel
16/10	Horn 1	31/110	Ground connection, Right MacPherson strut tower
16/11	Horn 2		
16/16	Window antenna amplifier	31/112	Ground connection, Right MacPherson strut tower
16/26	Center speaker, dashboard		
16/26	Center speaker, dashboard, RTI	31/114	Ground connection, Left MacPherson strut tower
16/35	Siren Control Module (SCM)	31/115	Ground connection, Left A-post
16/46	RTI Display	31/116	Ground connection, Right A-post
16/47	GPS antenna RTI	31/119	Ground connection, Left MacPherson strut tower

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63/no. Junction point

64/12 Connector
 64/18 Connector
 64/25G Connector
 64/30 Connector
 64/31 Connector
 64/40 Connector
 64/41 Connector
 64/43 Connector
 64/45 Connector
 64/47 Connector
 64/48 Connector S40
 64/48 Connector V50
 64/50 Connector
 64/51 Connector
 64/79V Connector
 64/90 Connector
 64/111 Connector, E.E
 64/111 Connector, L.E
 64/112 Connector
 64/113 Connector, E.E
 64/113 Connector, L.E
 64/322 Connector
 64/425 Connector
 64/545 Connector

64/599 Connector
 64/600 Connector
 64/814 Connector
 64/815 Connector
 64/816 Connector
 64/817 Connector
 64/861 Connector
 64/862 Connector
 64/977A Connector
 64/978 Connector
 64/979 Connector
 64/979G Connector

F/no. Fuse
 F/no. Fuse
 FH/no. Fuse in the holder
 PF/no. Main fuse near the battery
 R/no. Relay
 R/no. Relay
 R/no. Relay
 10X/17 Connector, original car interface
 10X/18 Connector, original car interface
 16X/105 Connector, original car interface
 17X/19 Connector, original car interface
 64X/12 Connector, original car interface
 64X/322 Connector, original car interface

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