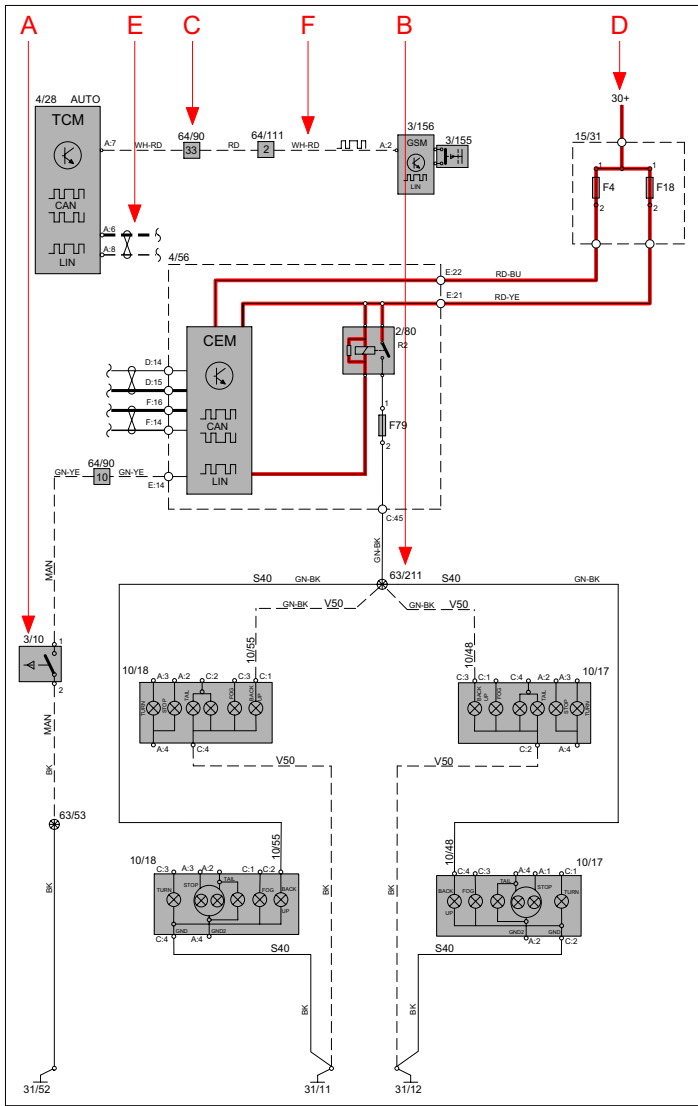



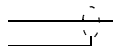

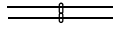

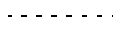
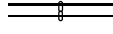
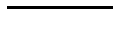
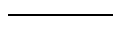
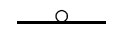




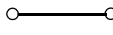
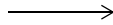


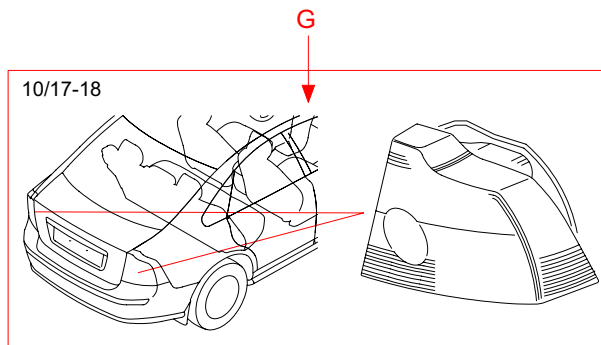


How to use the wiring diagrams 2:2



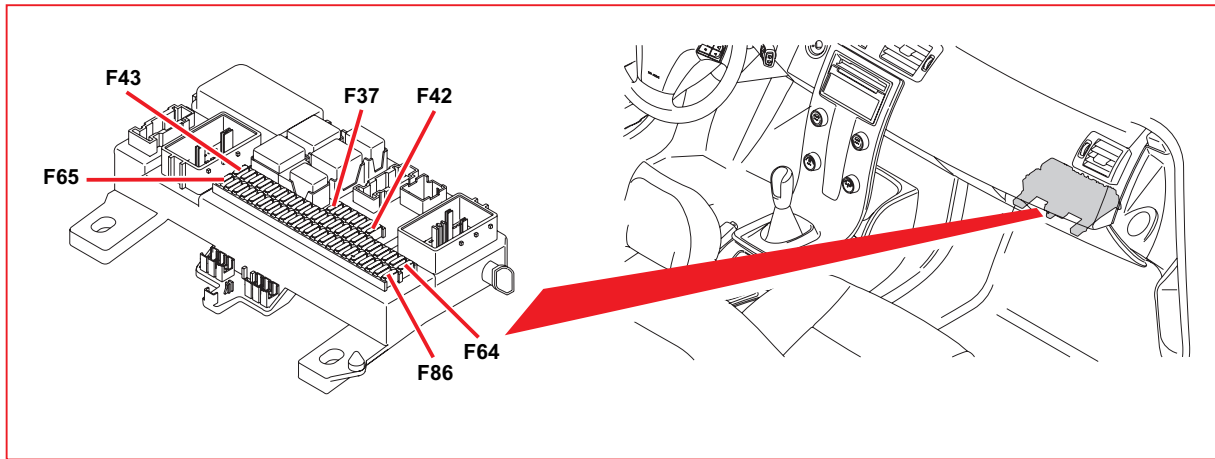
List of symbols

-  = 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



Fuses

Central Electronic Module (CEM) F43-F52



4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F43	16/46 RTI Display 16/60 Phone Module (PHM) 16/107 Media Player Module (MPM)	- - -	15
F44	4/9 Supplemental Restraint System Module (SRS)	-	10
F45	9/1 Front 12V outlet 9/25 Rear 12V outlet	- -	15
F46	3/111 Switch unit, lights 5/1 Driver Information Module (DIM) 10/29 Glove compartment lighting 10/97 Courtesy lighting, left 10/102 Courtesy lighting, right	- - - - -	5
F47	10/22 Ceiling light 10/150 Rear reading light 10/114 Vanity mirror lighting, left 10/115 Vanity mirror lighting, right	- - -	5
F48	2/16 Relay, rear window wiper 2/92 Relay, windshield washer motor 2/93 Relay, rear window washer motor 6/2 Washer pump 6/2 Washer pump 6/32 Rear window wiper motor	- - - 2/92 2/93 2/16	15
F49	4/9 Supplemental Restraint System Module (SRS) 7/93 Occupant Weight Sensor (OWS), USA/CDN	- -	10
F51	10/1 Lamp housing, front left, beam length adjustment 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	4/112 4/113 - - -	10
F52	4/16 Brake Control Module (BCM)	-	5

continues

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)

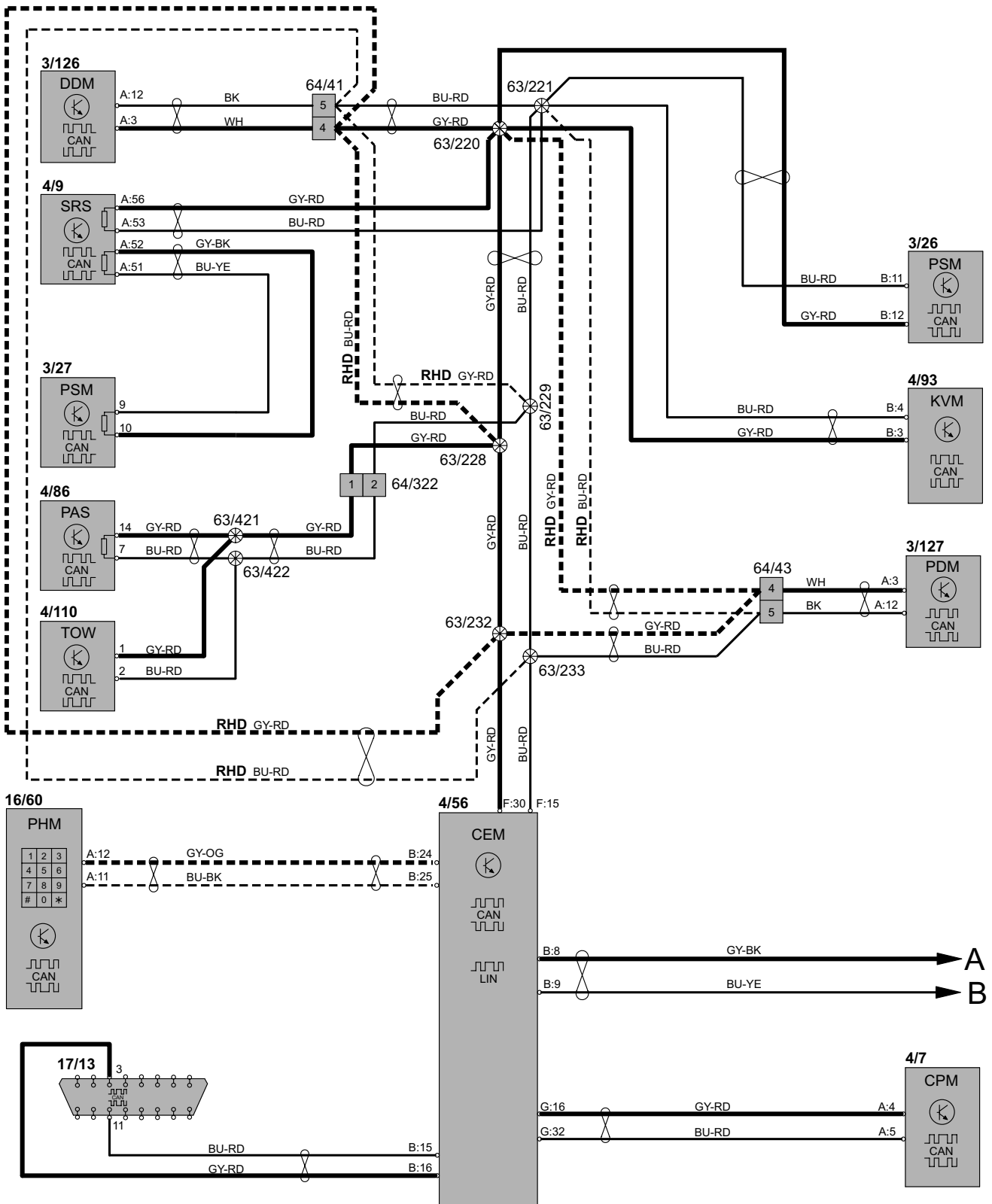
31/12 Rear right side	
4/78	Accessory Electronic Module (AEM)
4/86	Control module, Parking Assistance Module (PAM)
4/110	Trailer Module (TRM)
6/37	Lock motor, fuel filler flap
10/17	Lamp housing, rear right
17/19	12V outlet, cargo compartment

31/52 Left MacPherson strut tower	
3/10	Reversing light contact
4/28	Transmission Control Module (TCM)
4/46	Engine Control Module (ECM)
4/86	Parking Assistance Module (PAM)
7/23	Rear knock sensor
7/24	Front knock sensor
7/192	Water detection sensor
8/3	Electromagnetic clutch, climate control system, Diesel
9/38	Heated fuel filter, Diesel

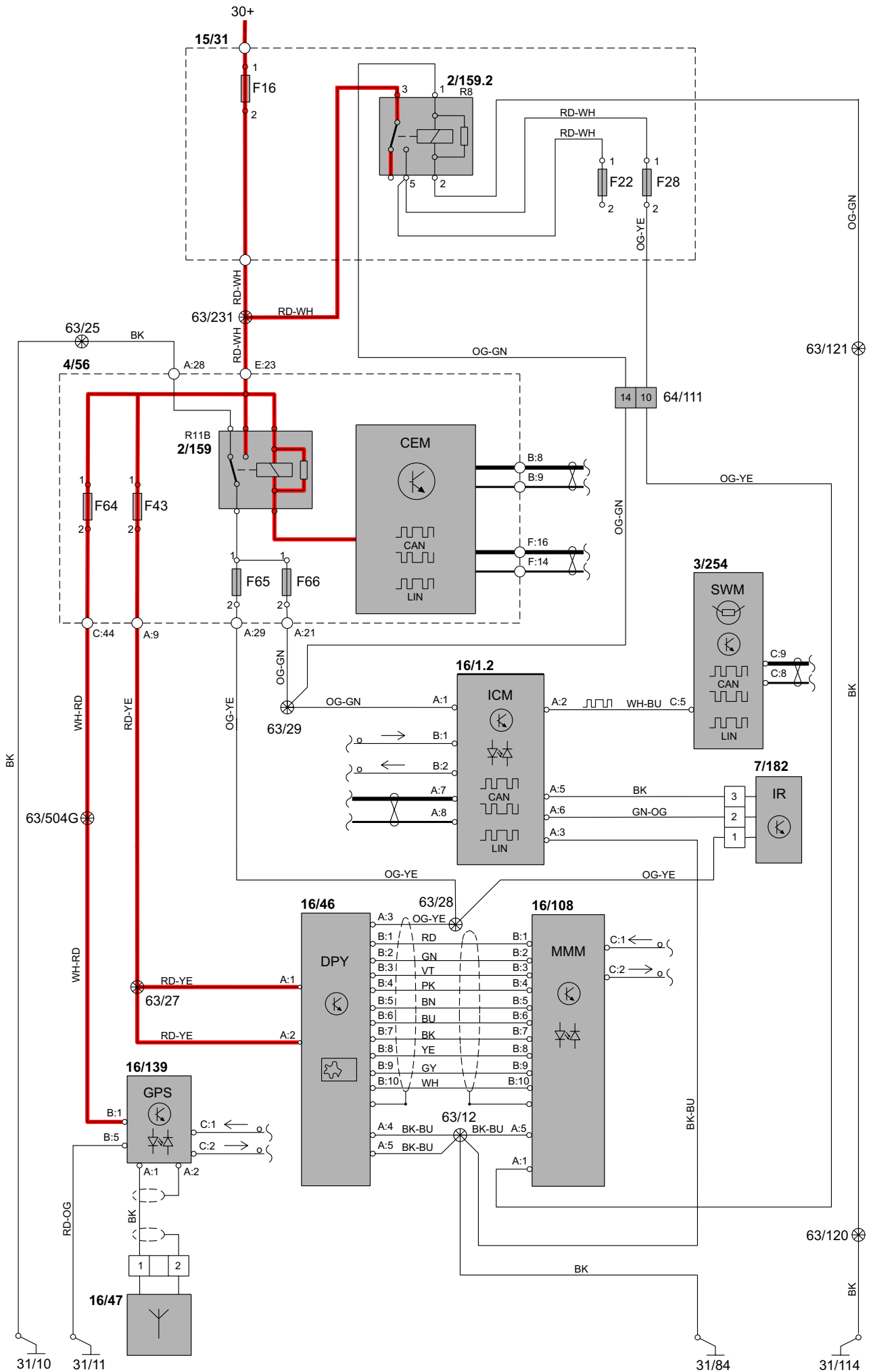
31/66 Left B-post	
3/26	Switch unit, power driver's seat, LHD
3/27	Switch unit, power passenger seat, RHD
3/76	Lock unit, left rear door
3/78	Lock unit, trunk lid/tailgate
3/85	Power window switch, left rear door
3/260	Contact, locking, rear left
3/264	Contact, unlocking, rear left
3/128	Left Rear Door 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

Control modules

Data communication Low speed CAN 1:2

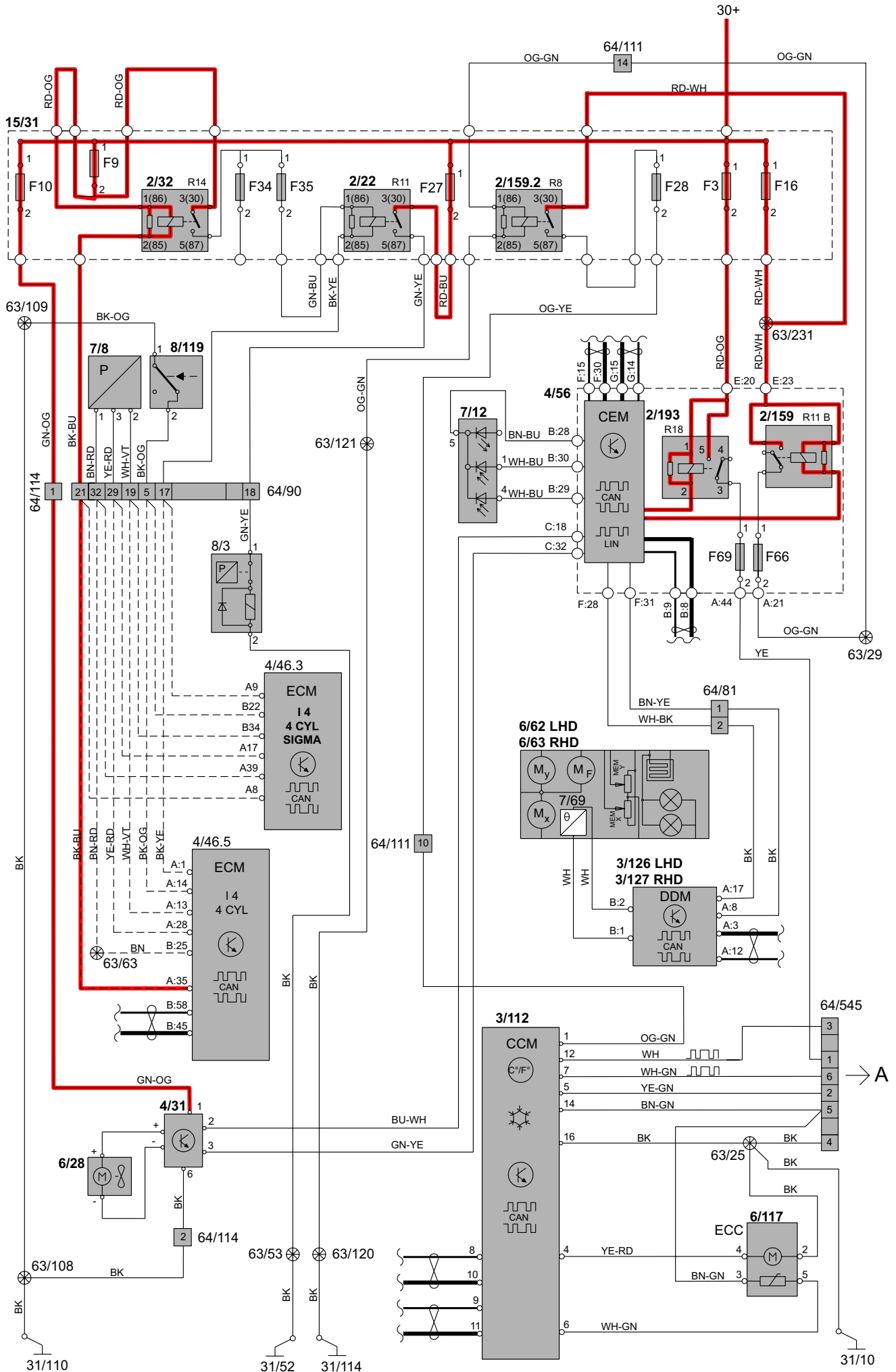


Group 39 Other Multimedia & Traffic Information



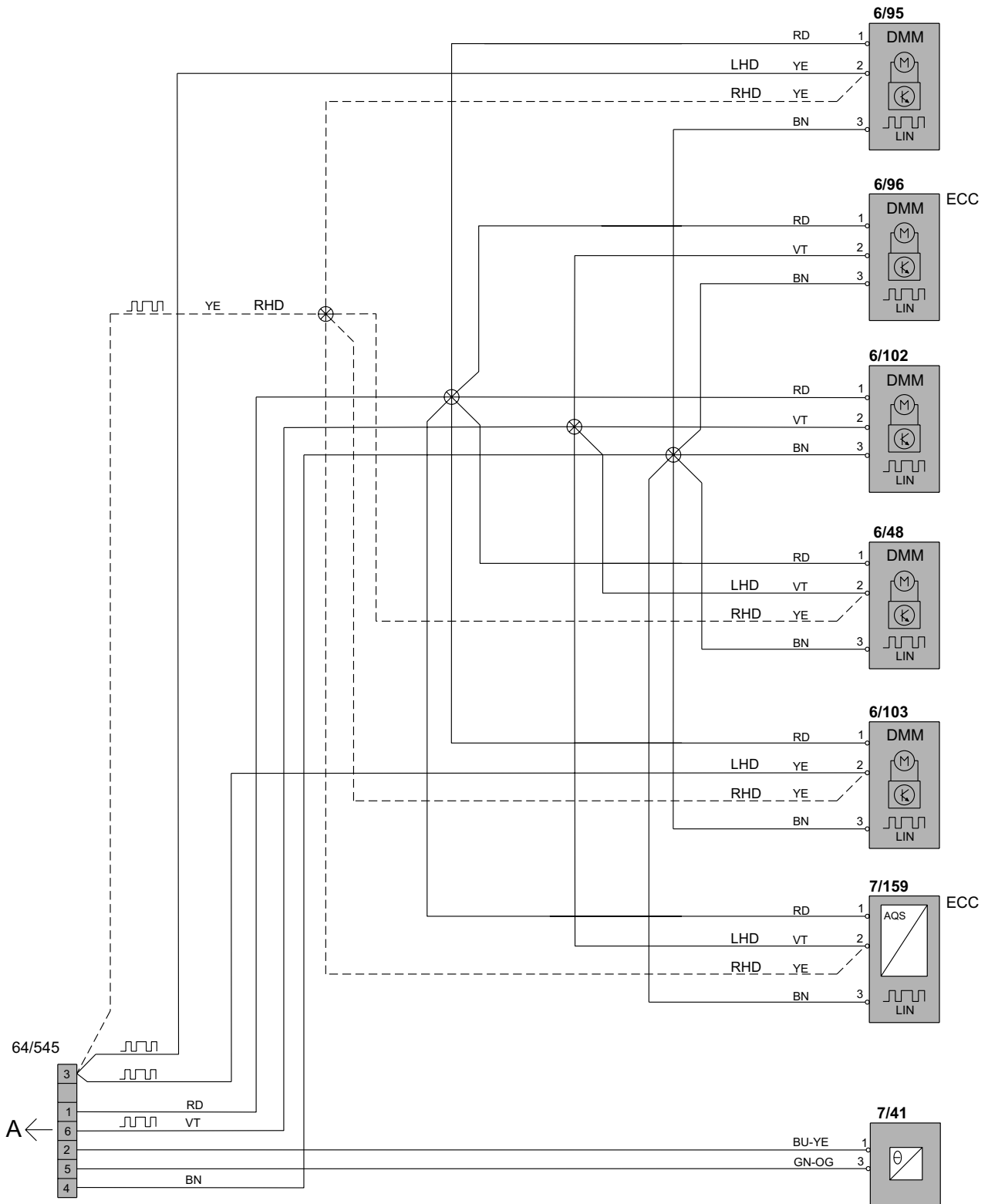
Group 87 Climate controls

Climate controls 4-cyl. 1:2



Group 87 Climate controls

Climate controls 4-cyl., 5-cyl. & Diesel 2:2



Connectors

64/60 - 64/81

64/60

16-pin grey

No.	Harness Engine compartment			Harness Engine compartment		
1	6/120:5	Engine throttle body	YE	4/46.3A:22	Engine Control Module (ECM), 4-cyl. 1.6l	YE
2	6/120:3	Engine throttle body	WH-BU	4/46.3A:21	Engine Control Module (ECM), 4-cyl. 1.6l	WH-BU
3	6/120:4	Engine throttle body	BN	4/46.3A:6	Engine Control Module (ECM), 4-cyl. 1.6l	BN
4	6/120:6	Engine throttle body	WH-RD	4/46.3A:48	Engine Control Module (ECM), 4-cyl. 1.6l	WH-RD
5	63/52	Junction point	GN-YE	63/99	Junction point	GN-YE
6	-		-	-		-
7	6/120:2	Engine throttle body	YE-BU	4/46.3B:42	Engine Control Module (ECM), 4-cyl. 1.6l	YE-BU
8	6/120:1	Engine throttle body	WH-BU	4/46.3B:41	Engine Control Module (ECM), 4-cyl. 1.6l	WH-BU
9	7/16:1	Sensor, coolant temperature	BN	4/46.3B:13	Engine Control Module (ECM), 4-cyl. 1.6l	BN
10	7/16:2	Sensor, coolant temperature	BN	4/46.3B:36	Engine Control Module (ECM), 4-cyl. 1.6l	BN
11	-		-	-		-
12	-		-	-		-
13	8/6:2	Injection valves	BK-WH	4/46.3A:27	Engine Control Module (ECM), 4-cyl. 1.6l	BK-WH
14	8/7:2	Injection valves	BK-YE	4/46.3A:13	Engine Control Module (ECM), 4-cyl. 1.6l	BK-YE
15	8/8:2	Injection valves	BK-BU	4/46.3A:28	Engine Control Module (ECM), 4-cyl. 1.6l	BK-BU
16	8/9:2	Injection valves	BK-OG	4/46.3A:12	Engine Control Module (ECM), 4-cyl. 1.6l	BK-OG

64/81

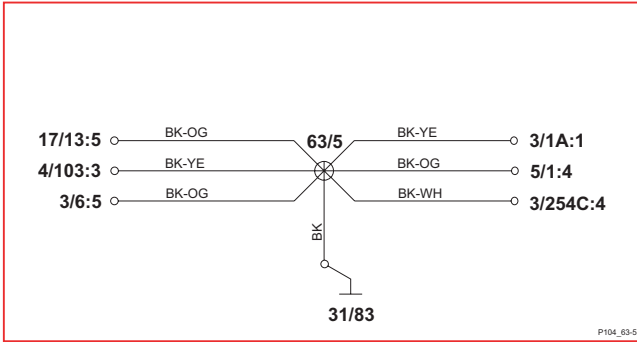
2-pin black

No.	Harness Floor			Harness Front door		
1	4/56F:31	Central Electronic Module (CEM)	BN-YE	3/126A:8	Driver's Door Module (DDM), LHD	BK
				3/127A:8	Passenger Door Module (PDM), RHD	
2	4/56F:28	Central Electronic Module (CEM)	WH-BK	3/126A:17	Driver's Door Module (DDM), LHD	BK
				3/127A:17	Passenger Door Module (PDM), RHD	

Branching points

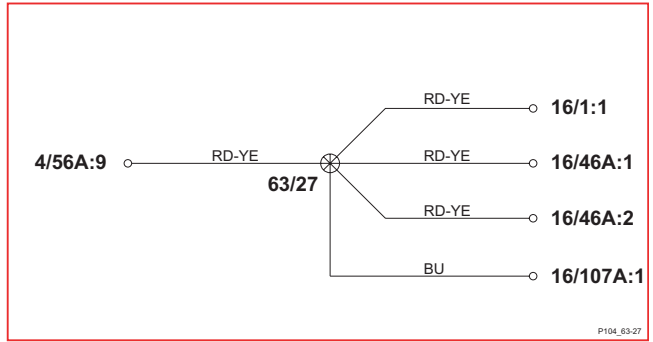
63/5 - 63/33

63/5



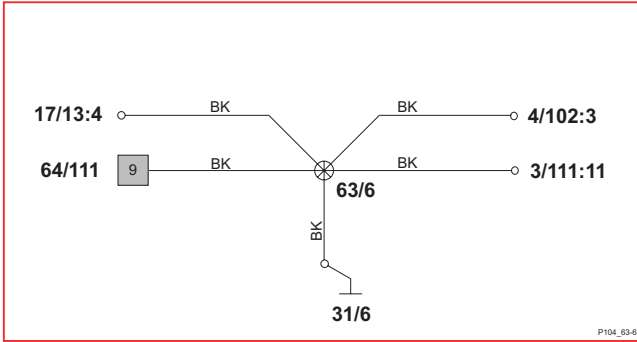
P104_63-5

63/27



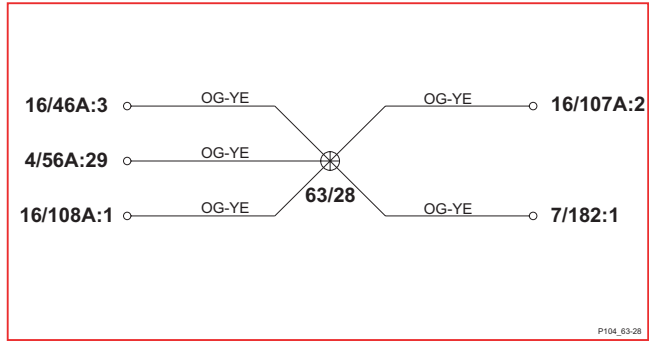
P104_63-27

63/6



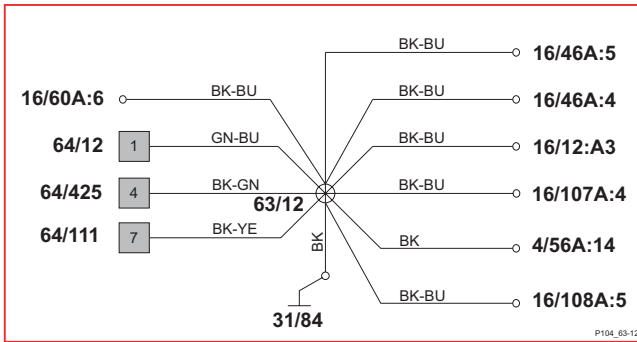
P104_63-6

63/28



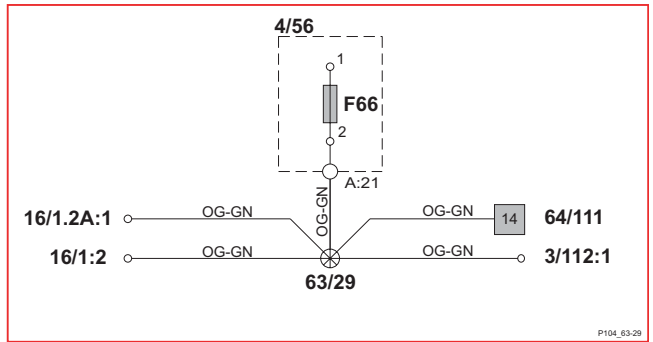
P104_63-28

63/12



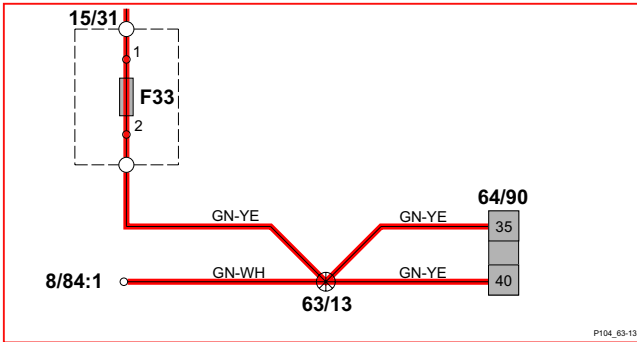
P104_63-12

63/29



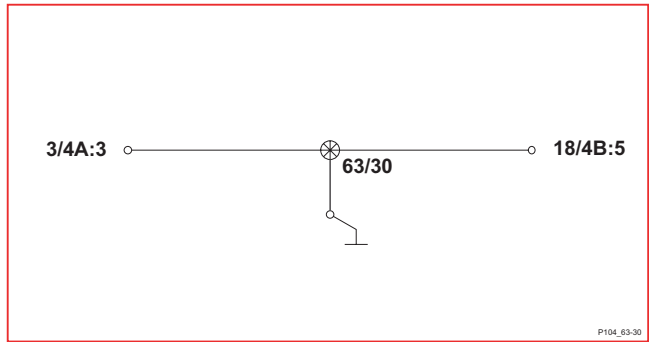
P104_63-29

63/13



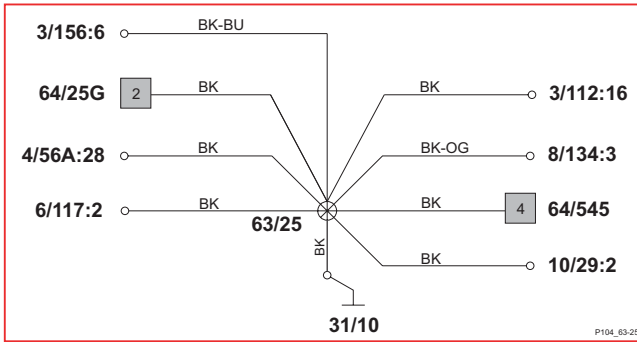
P104_63-13

63/30



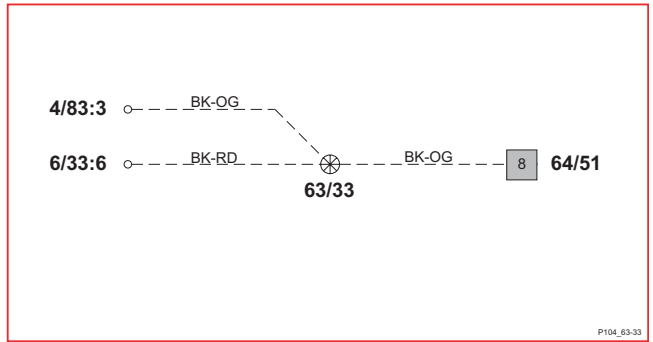
P104_63-30

63/25



P104_63-25

63/33

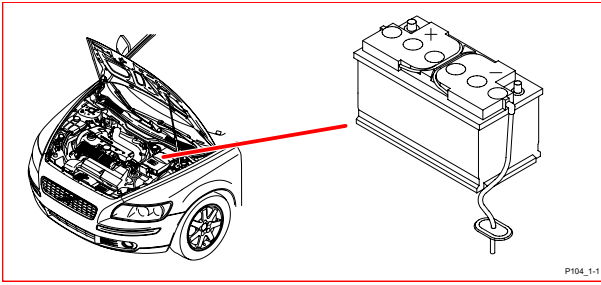


P104_63-33

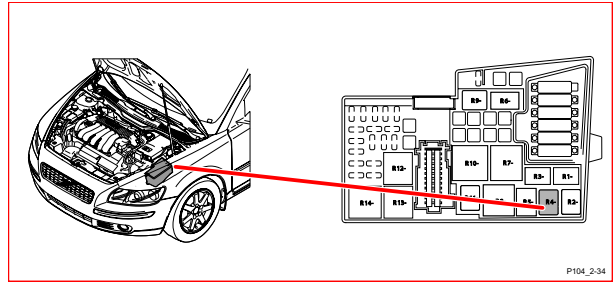
Component illustrations

1/1 - 2/142

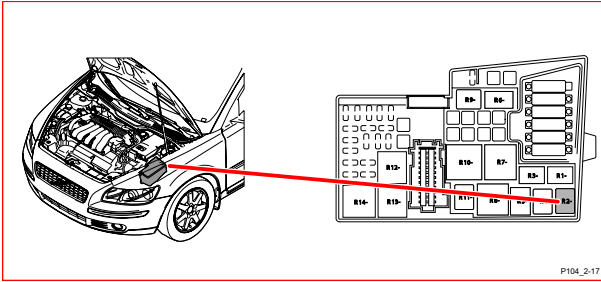
1/1 Battery



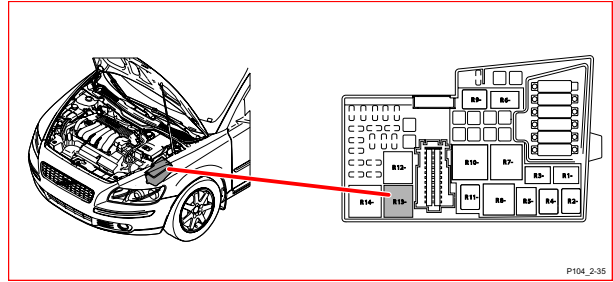
2/34 Relay, front fog lights



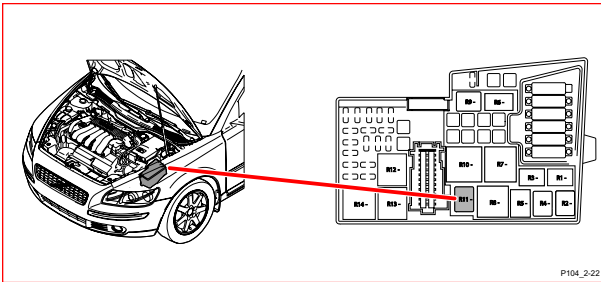
2/17 Relay, horn



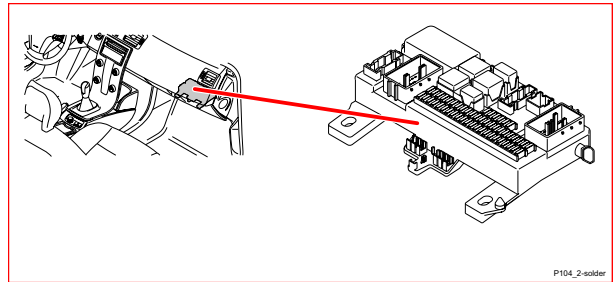
2/35 Relay, starter motor



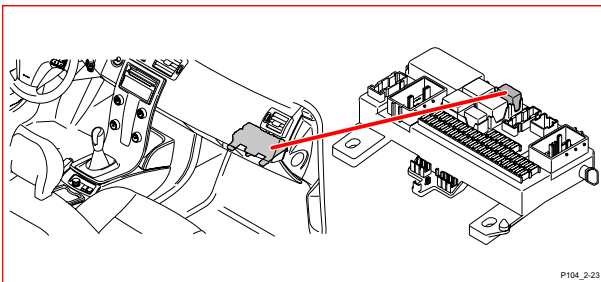
2/22 Relay, climate control system



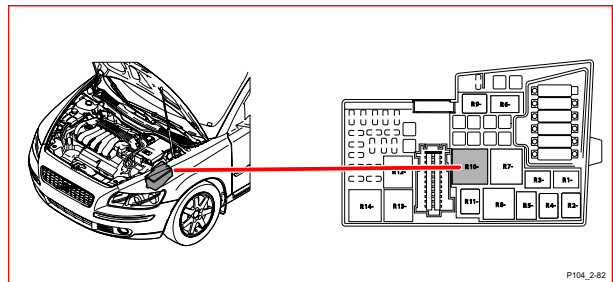
2/80 Relay, reversing lights



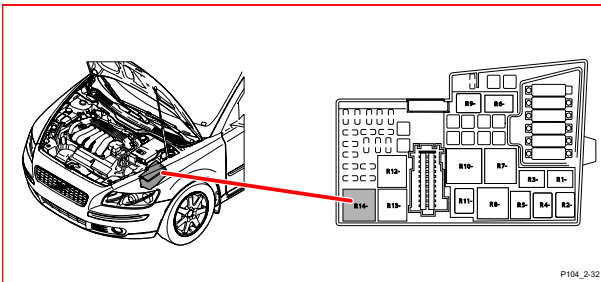
2/23 Relay fuel pump



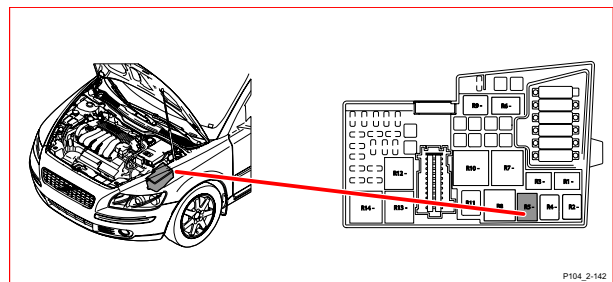
2/82 Relay, heated rear window



2/32 Main relay, engine management system



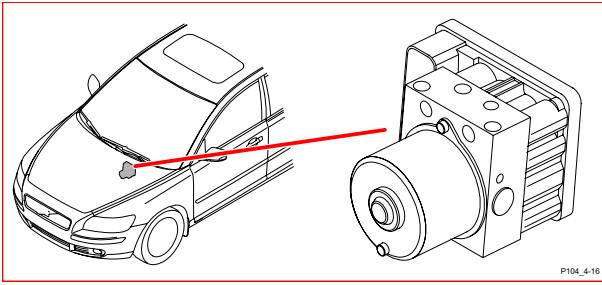
2/142 Relay, pre-heater, fuel filter



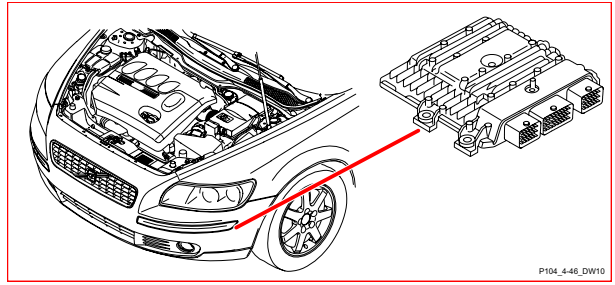
Component illustrations

4/16 - 4/56

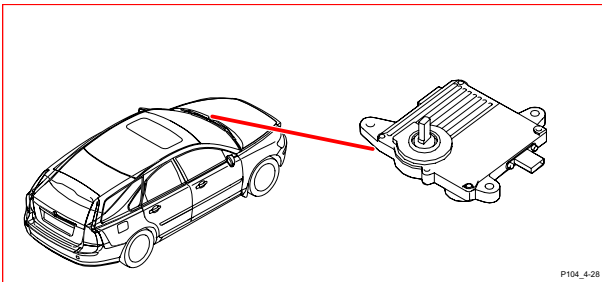
4/16 Brake Control Module (BCM)



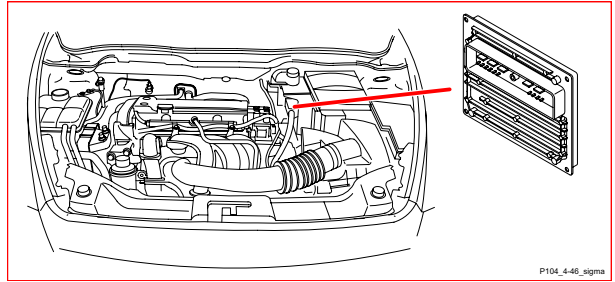
4/46.2 Engine Control Module (ECM), DW10



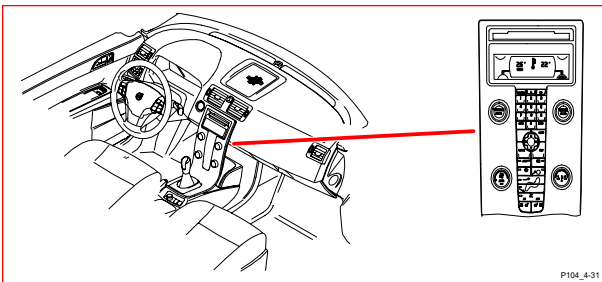
4/28 Transmission Control Module (TCM)



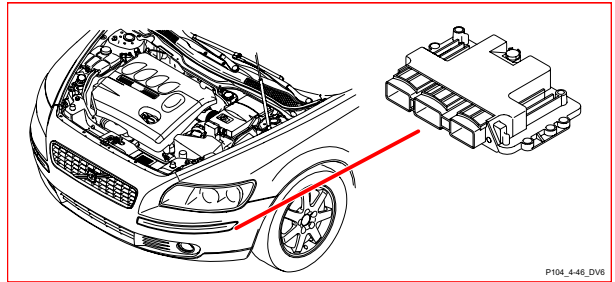
4/46.3 Engine Control Module (ECM), 4-cyl. 1.6l



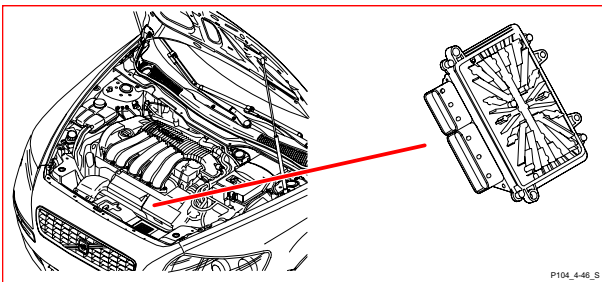
4/31 Fan control module



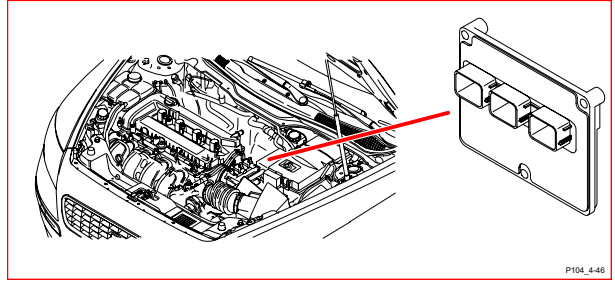
4/46.4 Engine Control Module (ECM), DV6



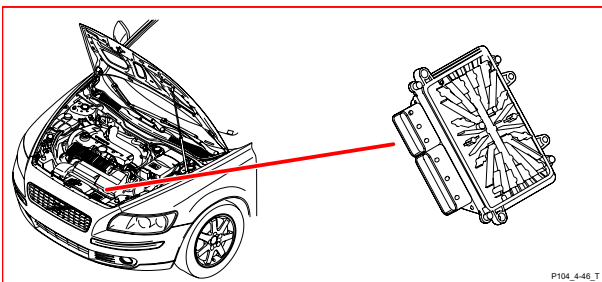
4/46.1 Engine Control Module (ECM), 5-cyl.



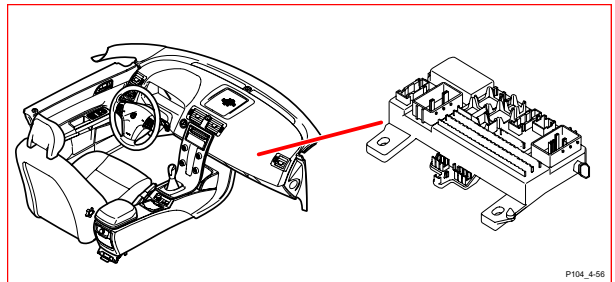
4/46.5 Engine Control Module (ECM), 4-cyl. 1.8l



4/46.1 Engine Control Module (ECM), 5-cyl. Turbo



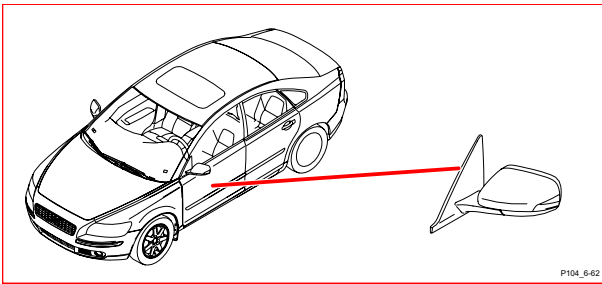
4/56 Central Electronic Module (CEM)



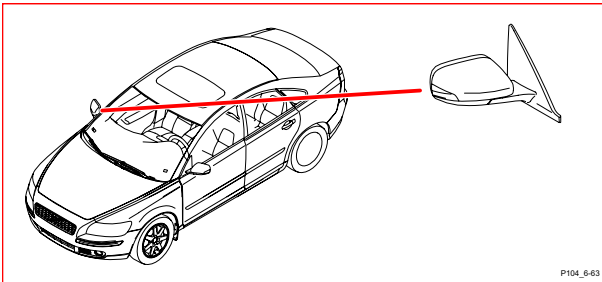
Component illustrations

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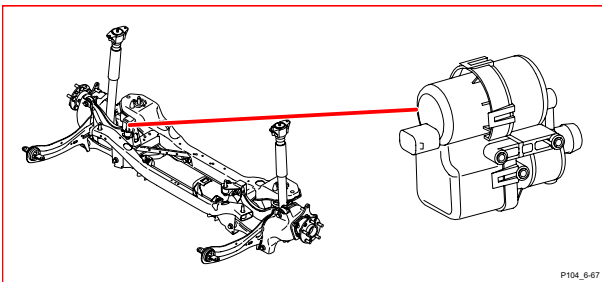
6/62 Power rear-view mirror driver's door



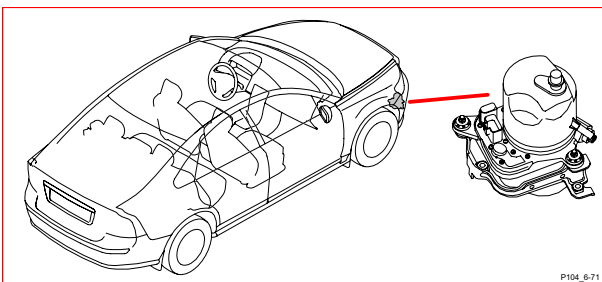
6/63 Power rear-view mirror passenger door



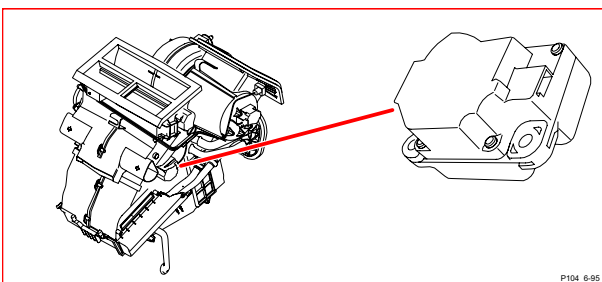
6/67 Pump, fuel leakage control



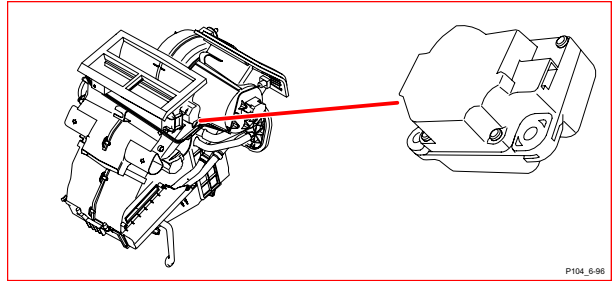
6/71 Electrical Power Steering Module (EPS)



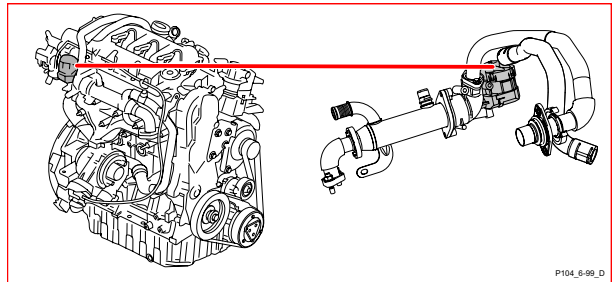
6/95 Damper Motor Module (DMM), temperature, left-hand side



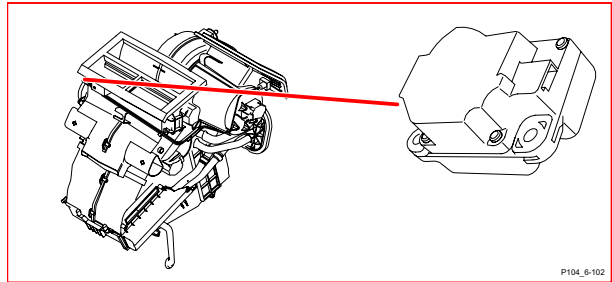
6/96 Damper Motor Module (DMM), temperature, right-hand side



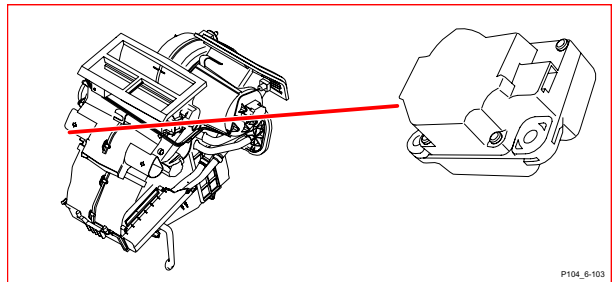
6/99 Engine EGR



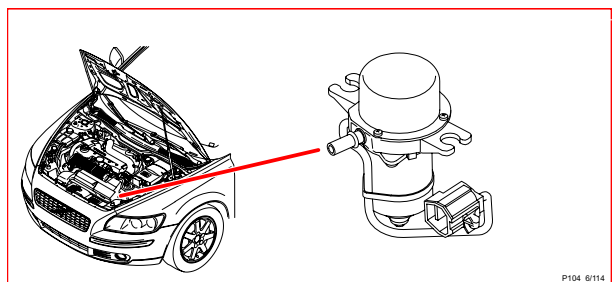
6/102 Damper Motor Module (DMM), defroster



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



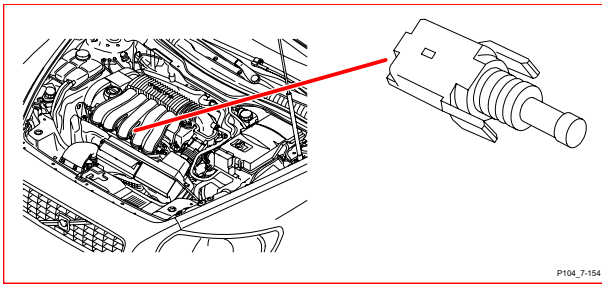
6/114 Vacuum pump



Component illustrations

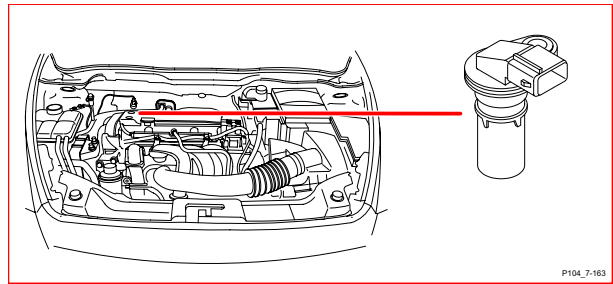
7/154 - 7/173

7/154 Sensor fuel temperature



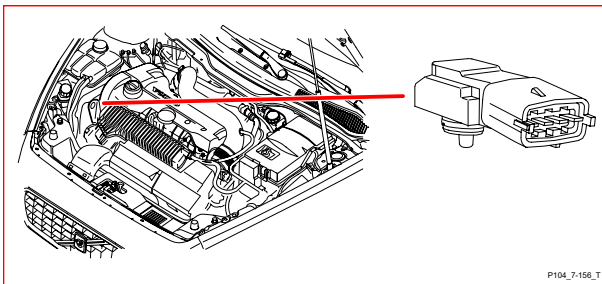
P104_7-154

7/163 Camshaft position sensor 2



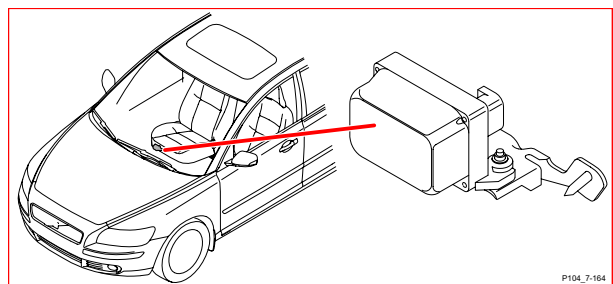
P104_7-163

7/156 Pressure and temperature sensor fuel, Turbo



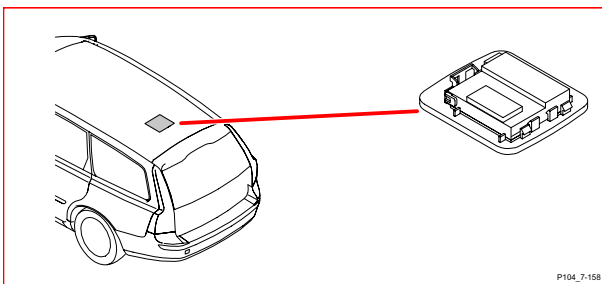
P104_7-156_T

7/164 Body Sensor Cluster (BSC)



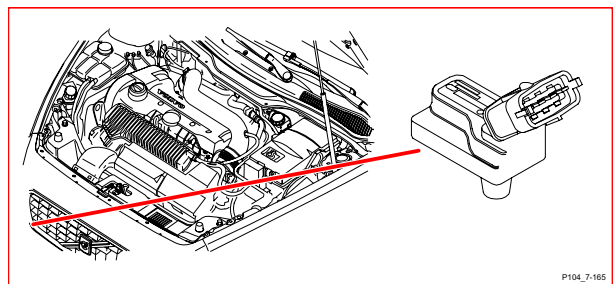
P104_7-164

7/158 Mass movement sensor rear



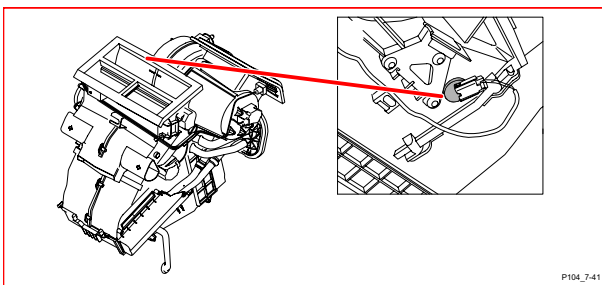
P104_7-158

7/165 Pressure and temperature sensor, intake manifold



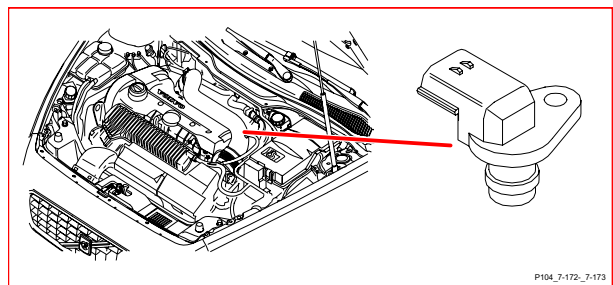
P104_7-165

7/159 Air Quality Sensor (AQS)



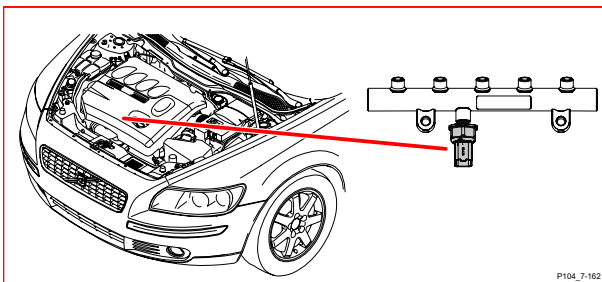
P104_7-41

7/172 Position sensor camshaft, intake side



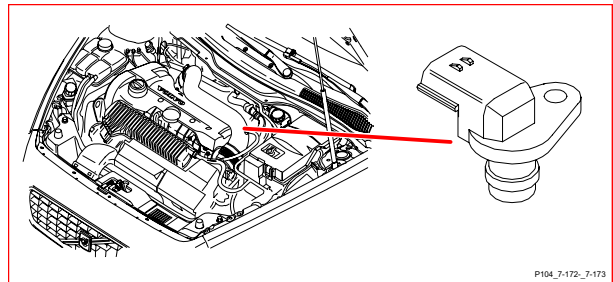
P104_7-172_7-173

7/162 Pressure sensor, fuel line



P104_7-162

7/173 Position sensor camshaft, exhaust side

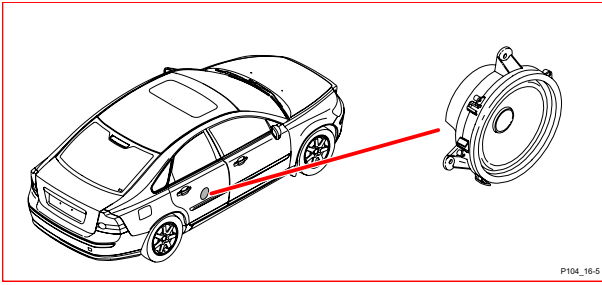


P104_7-172_7-173

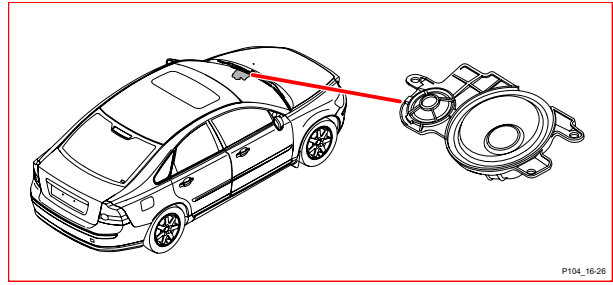
Component illustrations

16/5 - 16/47

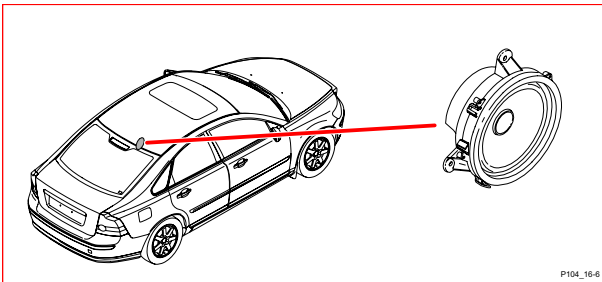
16/5 Speaker, right rear door



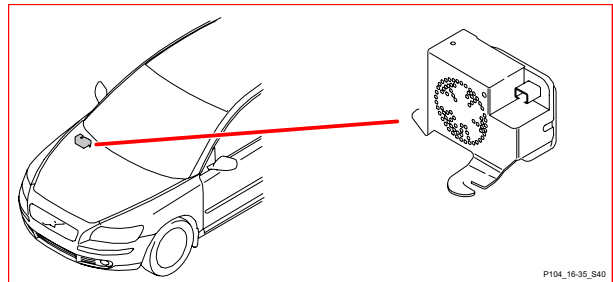
16/26 Speaker, dashboard middle, RTI



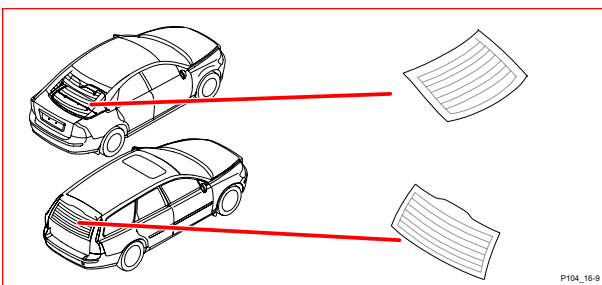
16/6 Speaker, left rear door



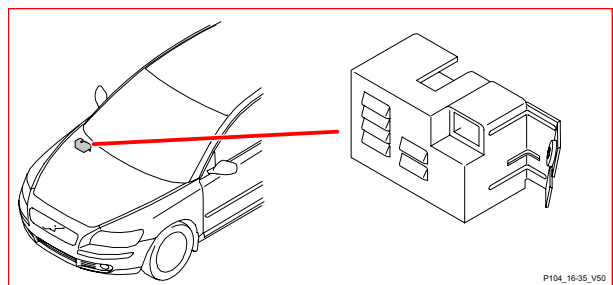
16/35 Siren (SCM), S40



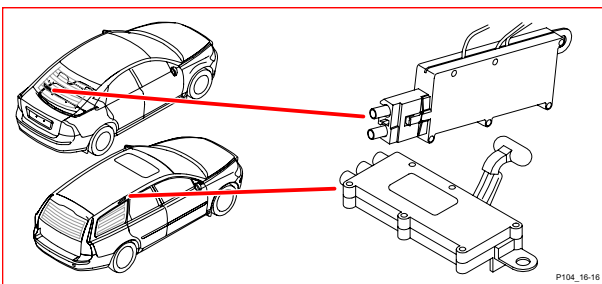
16/9 Window antenna



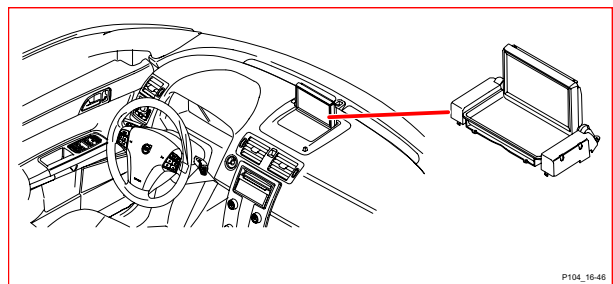
16/35 Siren (SCM), V50



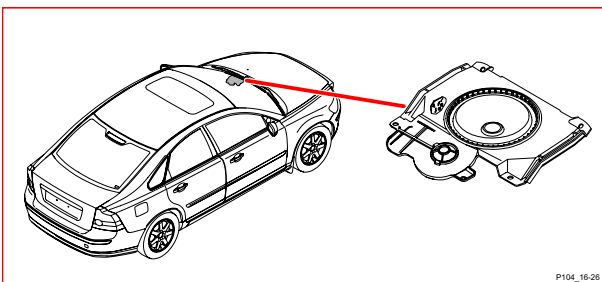
16/16 Window antenna amplifier



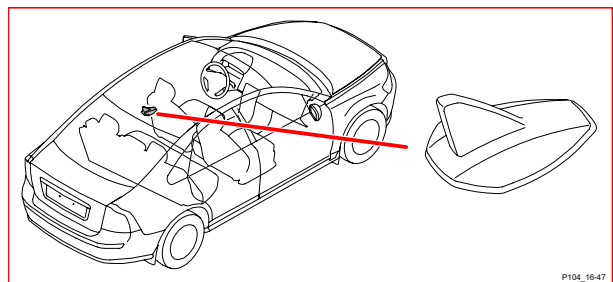
16/46 RTI Display



16/26 Speaker, dashboard middle



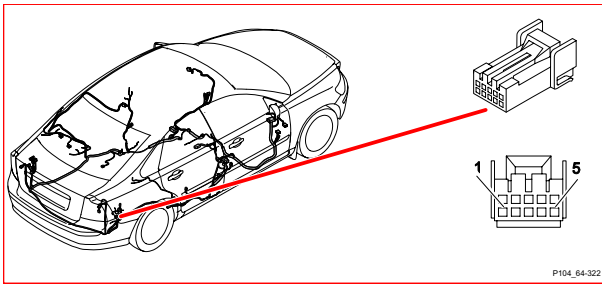
16/47 GPS antenna RTI



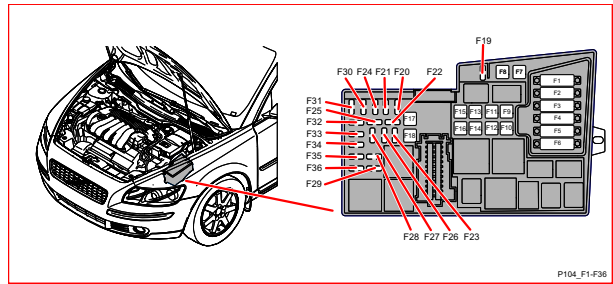
Component illustrations

64/322 - R/no.

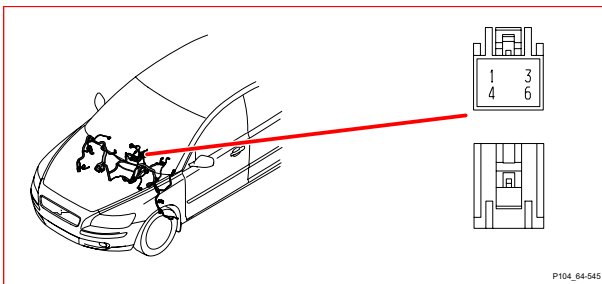
64/322 Connector



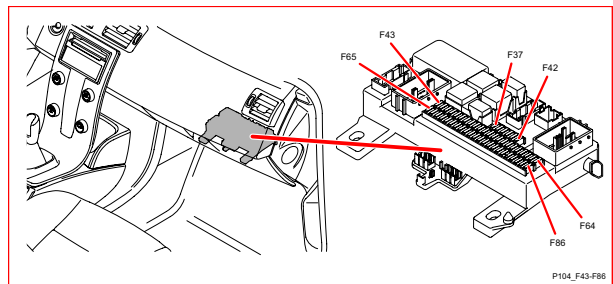
F/no. Fuse, engine compartment



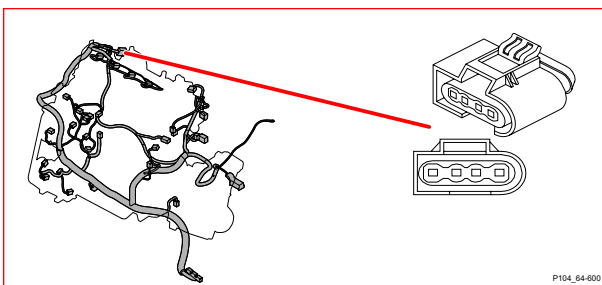
64/545 Connector



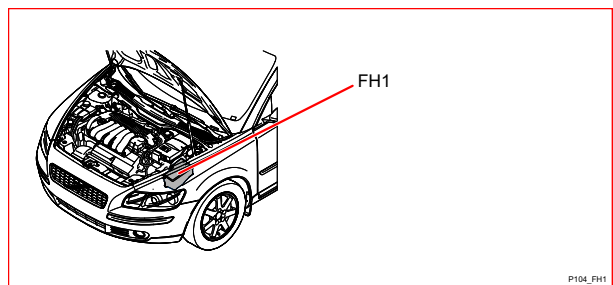
F/no. Fuse, passenger compartment



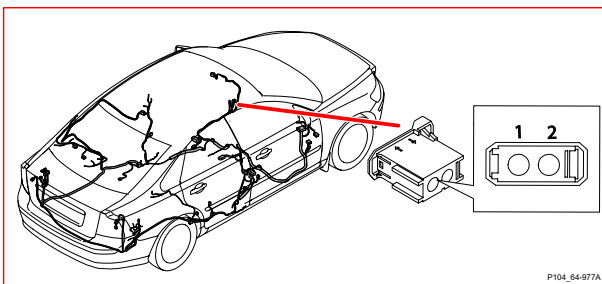
64/600 Connector



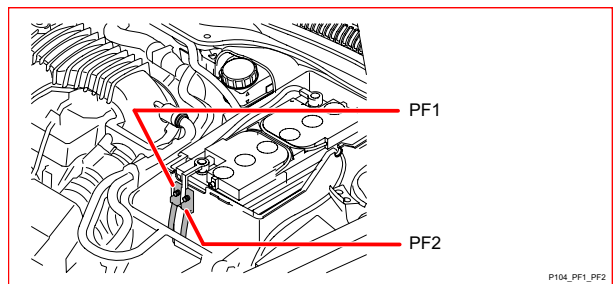
FH/no. Fuse in holder



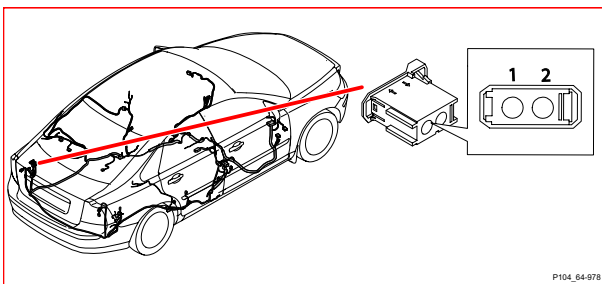
64/977A Connector



PF/no. Main fuse by battery



64/978 Connector



R/no. Relay, soldered

