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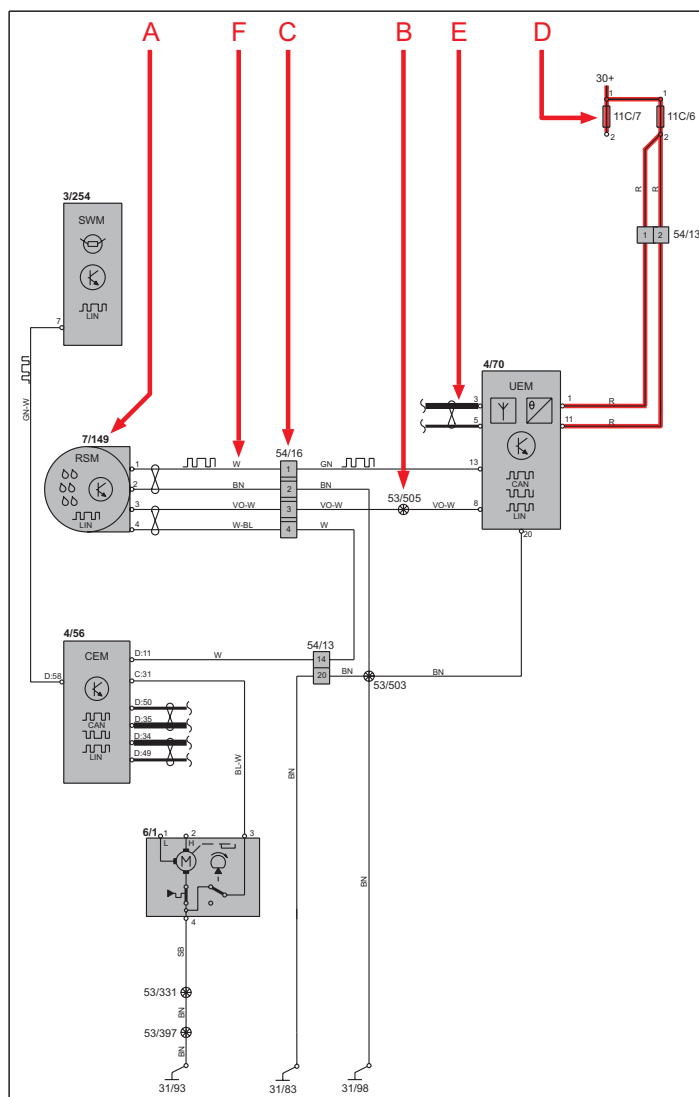
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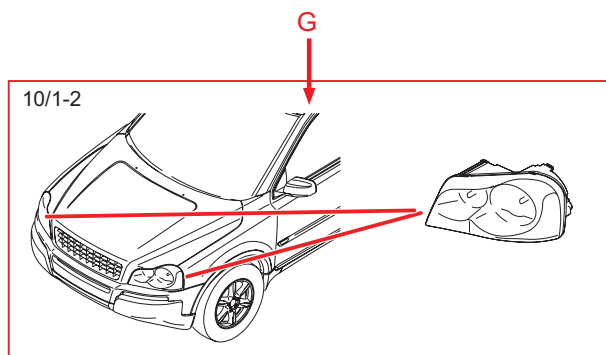
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How to use the wiring diagrams 2:2



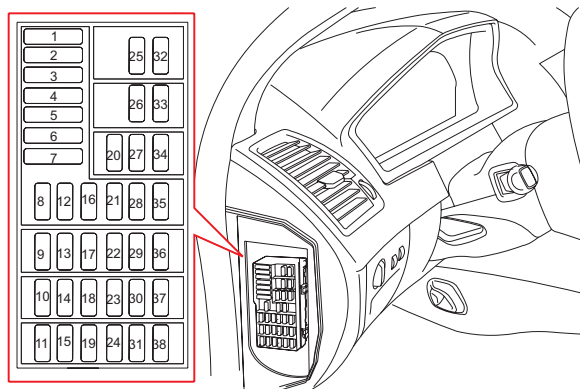
List of symbols

- = System voltage
- = Ground connection via wiring
- = Ground connection in 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)
- = LIN communication
- = LIN communication
- = DIN cable, coaxial cable, etc.
- = Data communication
- = CAN communication
- = MOST communication
- = MOST communication
- = Connection with distribution box
- = Further connection to...
- = Connector between cable harnesses
- = Connector connected in component



Fuses

Passenger compartment 11C/1-4

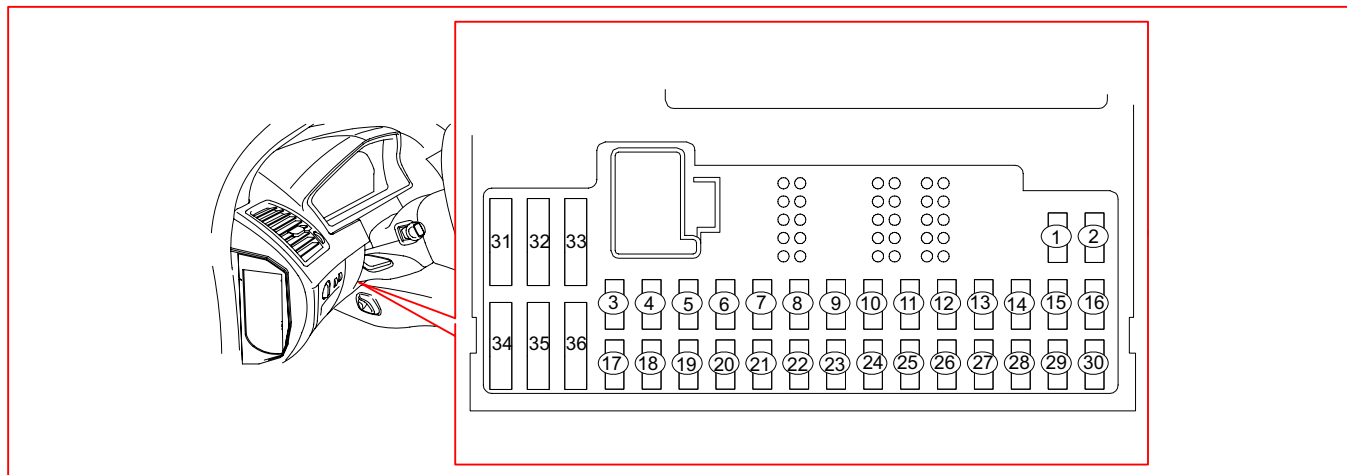


11C Fuses in the passenger compartment

No.	Fuse function		via	A
1	6/28	Motor, passenger compartment fan	4/31	30
2	16/105	Audio Module (AUD)	-	30
3	4/52	Power Seat Module (PSM)	-	25
	6/16	Motor driver's seat, backrest angle	4/52	
	6/17	Motor driver's seat, up/down front edge	4/52	
	6/18	Motor driver's seat, up/down rear edge	4/52	
	6/19	Motor driver's seat, fore/aft	4/52	
4	6/20	Motor passenger seat, fore/aft	3/27	25
	6/64	Motor passenger seat, backrest angle	3/27	
	6/65	Motor passenger seat, up/down front edge	3/27	
	6/66	Motor passenger seat, up/down rear edge	3/27	
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Fuses

Central electronic module (CEM) F1-F11

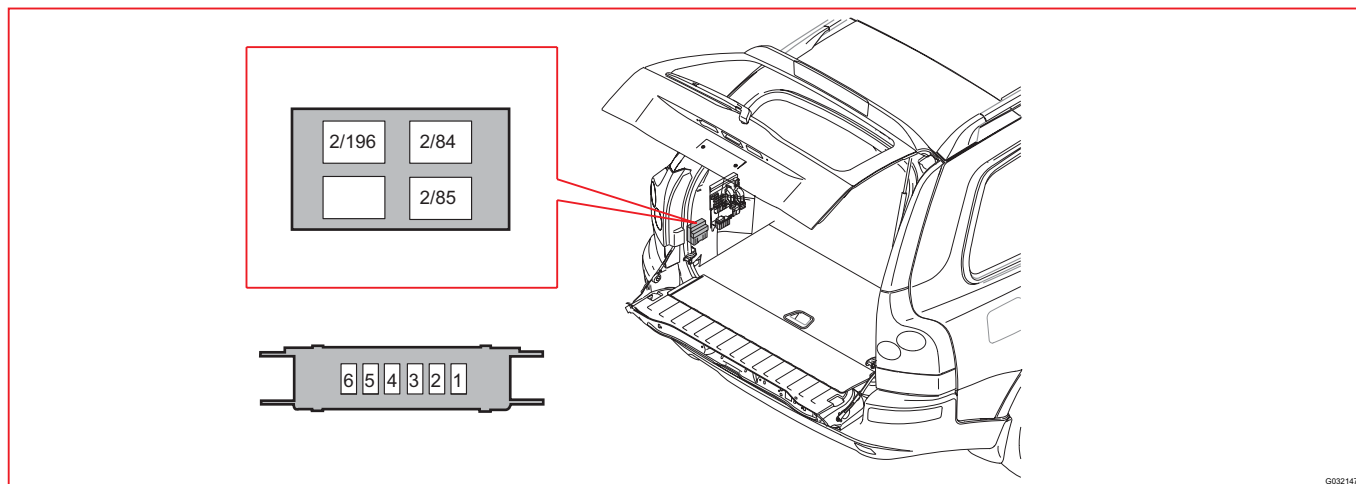


4/56 Central Electronic Module (CEM)

No.	Fuse function	via	A
F1	9/13 Seat Heating Module (SHM), right-hand	-	15
F2	9/12 Seat Heating Module (SHM), left-hand	-	15
F3	16/10 Horn 1	-	15
F5	4/120 Parking Assistance Camera module (PAC) 16/1 Integrated Audio Module (IAM) 16/16 LH window antenna amplifier 1 16/46 Multimedia display 16/94 Infotainment Control Module (ICM) 16/105 Audio Module (AUD) 16/108 Multimedia Module (MMM) 16/109 DVD player/control module 54/112 Connector, cable harness infotainment, extended D-feed	- - - - - -	10
F8	16/35 Siren Control Module (SCM)	-	5
F9	3/9 Contact brake light	-	5
F10	3/112 Climate Control Module (CCM) 4/7 Combustion Preheater Module (CPM) 4/52 Power Seat Module (PSM) 5/1 Driver Information Module (DIM) 6/48 Damper Motor Module (DMM), recirculation 6/69 Damper Motor Module (DMM), ventilation/floor/defroster 6/95 Damper Motor Module (DMM), temperature, left-hand side 6/96 Damper Motor Module (DMM), temperature, right-hand side 6/102 Damper Motor Module (DMM), defroster 6/103 Damper Motor Module (DMM), floor/ventilation 7/93 Occupant Weight Sensor (OWS) 7/159 Air Quality Sensor (AQS)	- - - - - - - - - - - -	10
F11	9/1 Outlet 12V front 9/25 Outlet 12V rear	- -	15
continues			

Relays

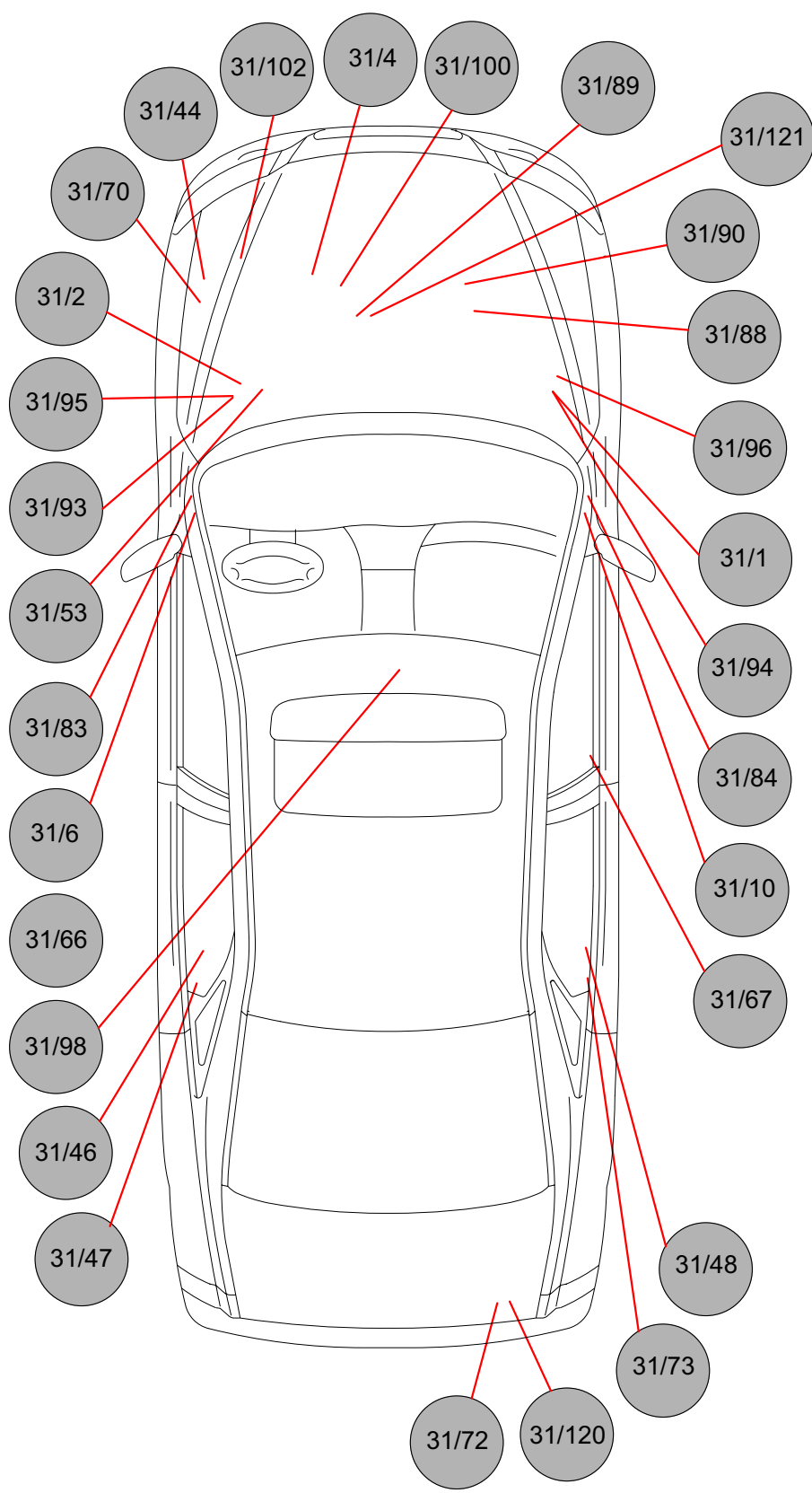
Cargo compartment



Relays in cargo compartment

Relay function	
2/84	Relay, seat heater rear left
2/85	Relay, seat heater rear right
2/196	Relay comfort system seats

Ground connections
Overview



Ground connections

31/46 - 31/67

31/46	Rear seat riser, left-hand side
2/138	Deadlock relay, left-hand rear door, PCL
3/27	Switch unit, power passenger seat, RHD
3/76	Lock unit, left rear door
3/85	Power window switch, left rear door
4/52	Power Seat Module (PSM), LHD
4/82	Differential Electronic Module (DEM)
8/51	Front left side airbag igniter
9/12	Seat Heating Module (SHM), left-hand

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

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

31/53	Firewall
1/1	Battery

31/66	Front seat riser, left-hand side
3/126	Driver/Passenger Door Module (DDM)/(PDM)
9/33	Left heated exterior rearview mirror
10/15	Direction indicator, left door mirror
10/148	Left exterior rearview mirror lighting
27/3	Left Camera Module (LCM)

31/67	Front seat riser, right-hand side
2/139	Deadlock relay, right-hand rear door, PCL
3/27	Switch unit, power passenger seat, LHD
3/77	Right-hand rear door lock unit, PCL
3/86	Power window switch, right rear door
3/127	Passenger/Driver Door Module (PDM)/(DDM)
4/52	Power Seat Module (PSM), RHD
6/35	Fuel pump, auxiliary heater
7/93	Occupant Weight Sensor (OWS)
8/52	Front right side airbag igniter
9/13	Seat Heating Module (SHM), right-hand
9/34	Right heated exterior rearview mirror
10/16	Direction indicator, right door mirror
10/149	Right exterior rearview mirror lighting
27/4	Right Camera Module (RCM)

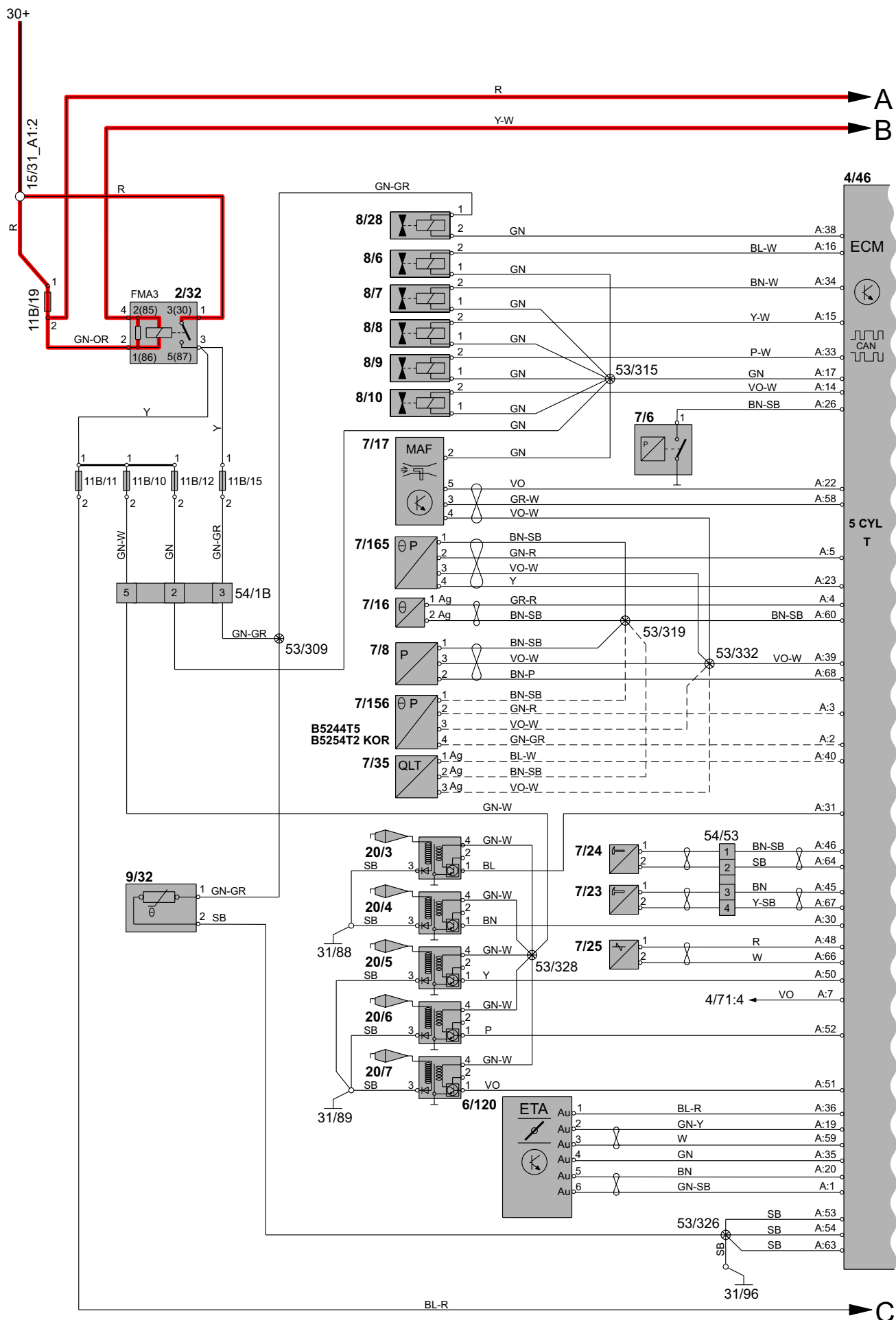
Control modules

Overview designations

Unit	Designation	
ACM	6/26	Alternator Control Module (ACM)
AEM	4/78	Accessory Electronic Module (AEM)
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 Stability Sensor (BSC)
CCM	3/112	Climate Control Module (CCM)
CEM	4/56	Central Electronic Module (CEM)
CPM	4/7	Combustion Preheater Module (CPM)
DDM/PDM	3/126	Driver/Passenger Door Module (DDM)/(PDM)
DEM	4/82	Differential Electronic Module (DEM)
DIM	5/1	Driver Information Module (DIM)
DMM		Damper Motor Module (DMM) -6/48 Damper Motor Module (DMM), recirculation -6/69 Damper Motor Module (DMM), ventilation/floor/defroster -6/95 Damper Motor Module (DMM), temperature, left-hand side -6/96 Damper Motor Module (DMM), temperature, 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)
GPS	16/139	Global Positioning System Module (GPS)
GSM	3/156	Gear Selector Module (GSM)
HCM	4/118	Headlight Control Module (HCM)
IAM	16/1	Integrated Audio Module (IAM)
ICM	16/94	Infotainment Control Module (ICM)
ISM	7/100	Inclination Sensor Module (ISM)
LCM	27/3	Left Camera Module (LCM)
LSM	3/111	Light Switch Module (LSM)
MMM	16/108	Multimedia Module (MMM)
OWS	7/93	Occupant Weight Sensor (OWS)
PAC	4/120	Parking Assistance Camera module (PAC)
PAM	4/86	Parking Assistance Module (PAM)
PDM/DDM	3/127	Passenger/Driver Door Module (PDM)/(DDM)
PHM	16/60	Phone Module (PHM)
PSM	4/52	Power Seat Module (PSM)
RCM	27/4	Right Camera Module (RCM)
RDAR	16/145	Remote Digital Audio Receiver (RDAR)
REM	4/58	Rear Electronic Module (REM)
RSM	7/149	Rain Sensor Module (RSM)
SAS	4/68	Steering Wheel Angle Sensor Module (SAS)
SCM	16/35	Siren Control Module (SCM)
SHM		Seat Heating Module (SHM) -9/12 Seat Heating Module (SHM), left-hand -9/13 Seat Heating Module (SHM), right-hand
SRM	4/33	Sun Roof Module (SRM)
SRS	4/9	Supplemental Restraint System module (SRS)
SWM	3/254	Steering Wheel Module (SWM)
TCM	4/28	Transmission Control Module (TCM)
UEM	4/70	Upper Electronic Module (UEM)
4/31	4/31	Fan control module
4/71	4/71	Cooling fan control module
4/110	4/110	Trailer Module
17/13	17/13	Data link connector

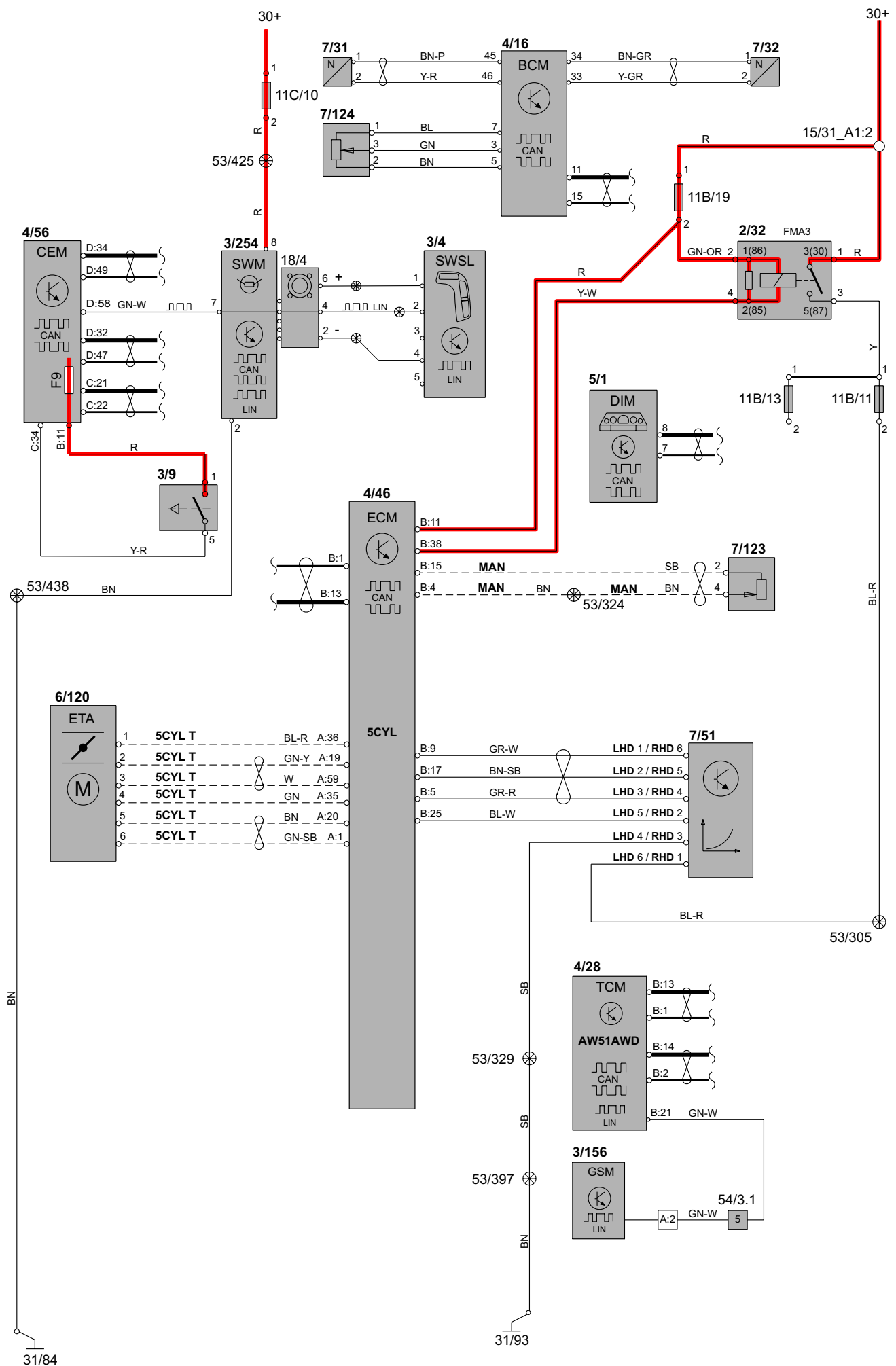
Group 23 Fuel system

Engine management system, 5-Cyl. Turbo 1:2



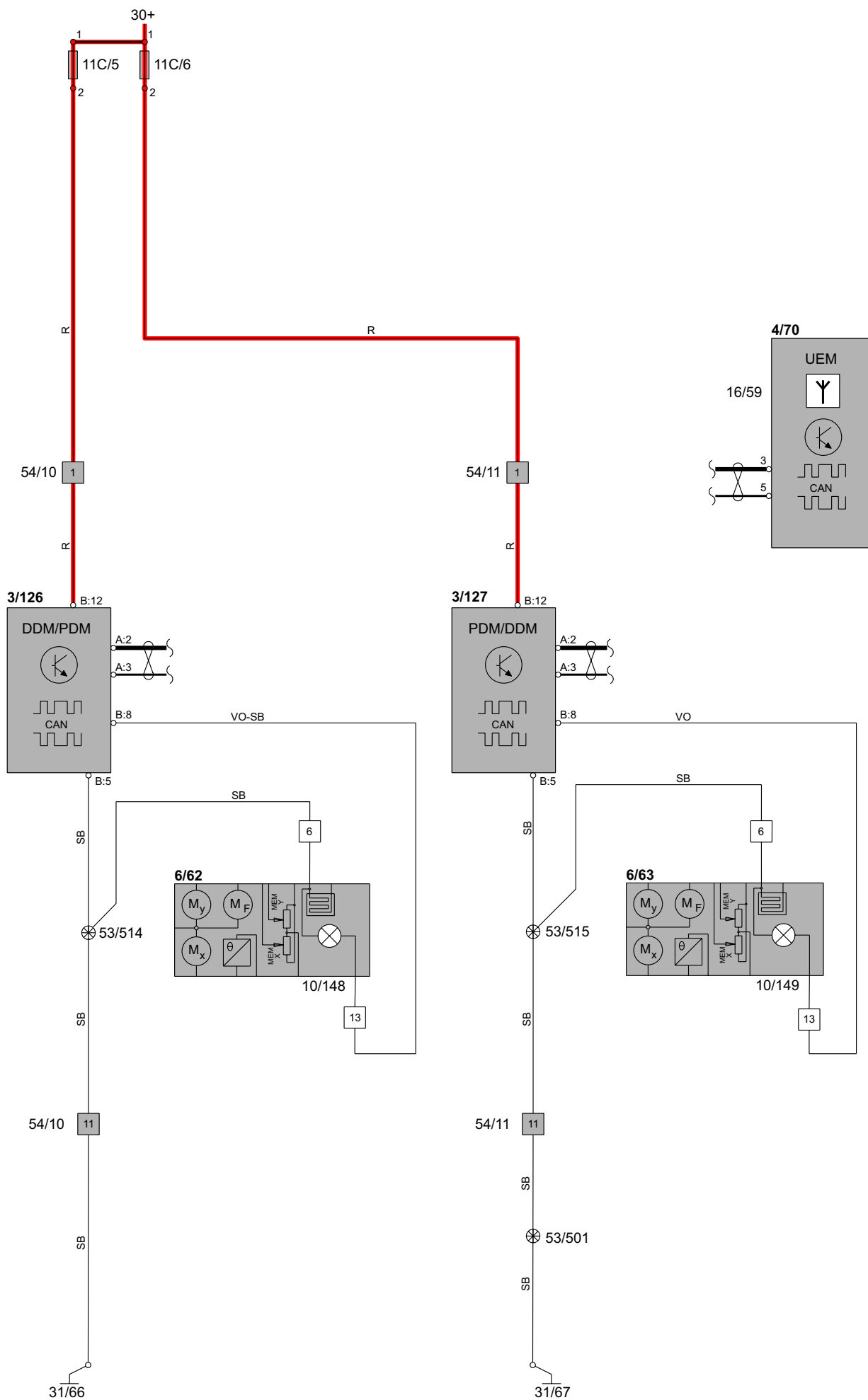
Group 27 Engine control

Cruise control 5-Cyl.



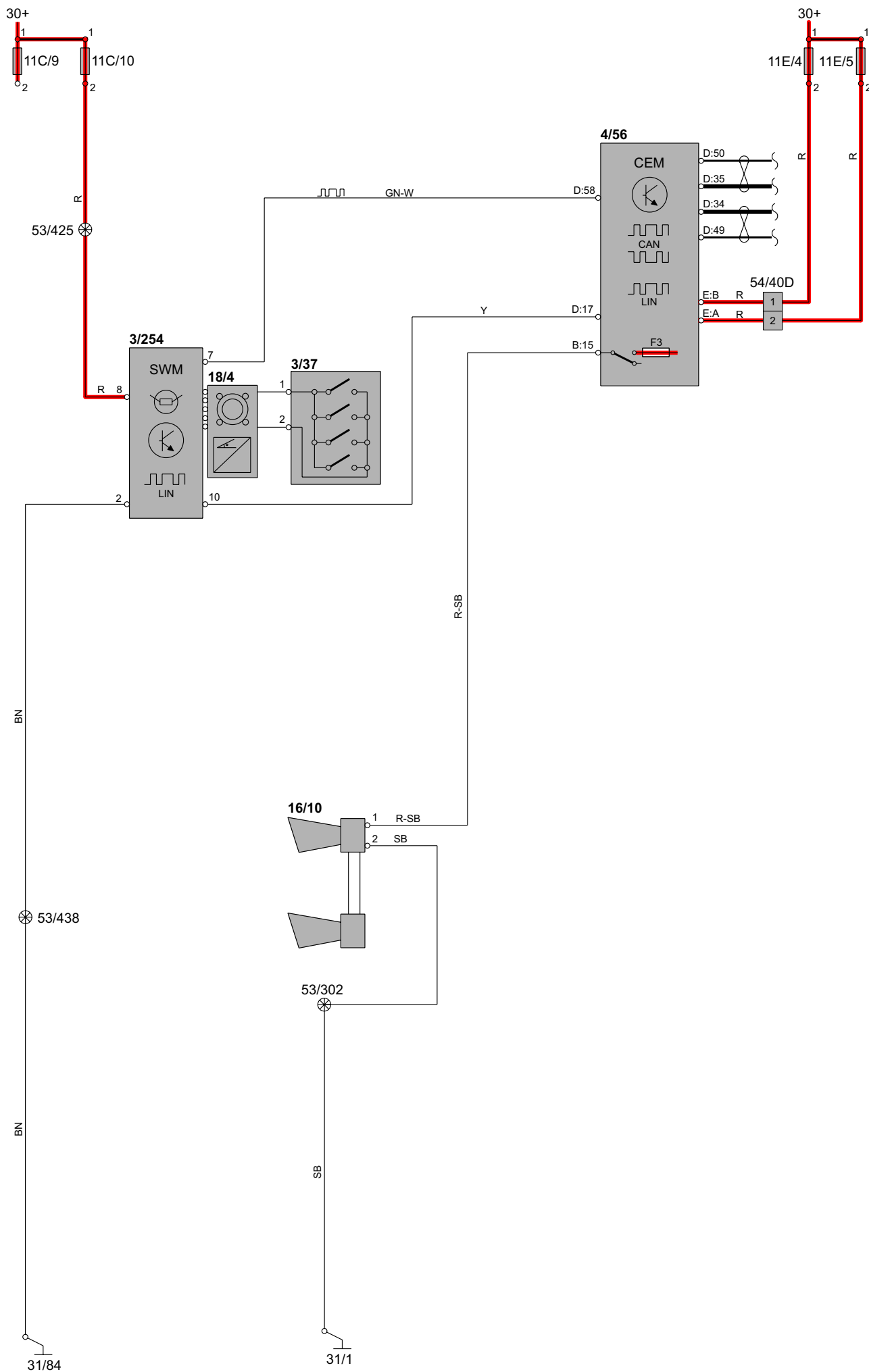
Group 35 Lighting

Follow-me-home lighting



Group 36 Additional electrical equipment

Horn



Group 43 Transmission
Geartronic AW51 AWD

