VOLVO XC90

WIRING DIAGRAM 2014

TP 39261202

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

Warning!

Extra caution must be exercised when working on vehicles equipped with SRS/SIPS bag/IC in order to avoid:
1. Personal injuries when performing repair work.
2. Damage or malfunction of the SRS/SIPS bag/IC system.

Work involving the SRS/SIPS bag/IC systems or other components in the vehicle that may affect the SRS/SIPS bag/IC systems must always be performed by an authorized Volvo workshop.
In case of doubt, consult the SRS and SIPS bag/IC service manual.

Is the vehicle equipped with SRS/SIPS bag/IC?

Vehicles with SRS are most easily recognized by the letters SRS in the center of the steering wheel. If the vehicle also has a passenger side airbag, the letters SRS are stamped on the dashboard above the glove compartment. SRS vehicles from 1993 and onward also have explosive seat belt tensioners. SIPS bags are only installed on SRS vehicles from 1995 and onward. SIPS bag decals are located on the windshield and seat compartment. Vehicles with IC can be recognized by the letters IC on the C/D panel (4 door) or the B panel (5 door).

General recommendations

- Be especially careful when working on or around SRS, SIPS, and IC components.
- Make sure that no wires are pinched, frayed, or pierced.
- Never fit accessories by the sensors.
- Where applicable, work on the steering wheel, steering shaft, or steering gear must be done in accordance with the methods in the SRS section of VIDA.
- Certain components of the aforementioned systems must be grounded while working. Read the appropriate sections in VIDA.
- 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

Fuse in cargo compartment auxiliary fuse box.

Changes introduced up to and including structure week 13w20
Any changes made to the vehicle after this date are not included in the manual. If necessary, refer to service bulletins.

Volvo models are sold in versions adapted for different markets. These adaptations depend on factors such as legal requirements, taxation, and market demands.
This manual may therefore include illustrations and text that do not apply to the vehicles in your country.

Ordering:
Electronic Wiring Diagrams (EWD) can be ordered from the Technical Information Shop (TIS) at tis.volvocars.biz/tis

We retain the right to make modifications

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Explanations & Abbreviations

Groups

Group 26	= Cooling system
Group 27	= Engine controls
Group 28	= Ignition and control system
Group 32	= Alternator and voltage regulator
Group 33	= Starting system
Group 35	= Lighting
Group 36	= Additional electrical equipment
Group 37	= Wiring and fuses
Group 38	= Instruments
Group 39	= Other
Group 43	= Transmission
Group 59	= Brake system
Group 64	= Steering
Group 83	= Doors and openings
Group 84	= Exterior decorative elements, etc.
Group 85	= Interior equipment
Group 87	= Climate control system
Group 88	= Internal equipment

Ignition switch symbols

X	= Accessories (audio position)
S	= Powered upon insertion of key
15	= Contact remains connected during start
15l	= Contact is broken while starting
30	= Constant power from the battery
50	= Start

Countries/Markets

A	= Austria
AUS	= Australia
B	= Belgium
CDN	= Canada
CH	= Switzerland
D	= Germany
DK	= Denmark
E	= Spain
EU/OS	= Markets outside USA and Canada
FIN	= Finland
GB	= Great Britain
ISR	= Israel
J	= Japan
KOR	= Korea
N	= Norway
NL	= Netherlands
S	= Sweden
USA	= United States of America
WEU	= Western Europe

Other

ABL	= Active Dual Xenon headlights
ACC	= Accessories
Ag	= Silver plated
Au	= Gold plated
AUDIO	= Audio system
AUTO	= Automatic transmission
BLIS	= Blind spot information system
CEM	= Central Electronic Module
DIESEL	= 15D, 5-Cyl. D
DRL	= Daytime Running Lights
DSTC	= Dynamic Stability and Traction Control
Du-X	= Dual Xenon
ECC	= Electronic climate control system
ECPS	= Electronic power steering
EXC	= Exclusive
EXT. D	= Extended electrical distribution
HISPEED	= High speed data bus
LH	= Left-hand side
LHD	= Left-hand drive
LOSPEED	= Low speed data bus
MAN	= Manual transmission
MCC	= Manual Climate Control
PCL	= Power Child Lock
PETROL	= Gasoline
REM	= Rear Electronic Module
RH	= Right-hand side
RHD	= Right-hand drive
RTI	= Road Traffic Information
SRS	= Airbag
T	= Turbocharged engine
W/O	= Without
5CYL	= 5-cylinder engine
6CYL	= 6-cylinder engine

Colors

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

How to use the wiring diagrams 1:2

The descriptions below apply in general to all wiring diagram manuals, although not all sections are necessarily contained in this manual.

The systems are shown in non-active status.i.e. with "key removed" and when the doors, hatches and hood are closed.

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	Light
11	Fuse
15	Electrical distribution rail/box
16	Audio
17	Service/diagnostics
18	Contact reel
19	Meter
20	Ignition component/shunt
26	Converter
27	Optics
31	Ground connection
53	Branching point
54	Connector

B. Branching points

The wiring diagrams contain numbered branching points, e.g. 53/352.

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

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

C. Connectors

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

D. Electrical distribution

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

E. Data communication

Today’s cars are equipped with CAN, LIN & MOST networks that transmit information. Connections to these networks are not shown in their entirety on the respective wiring diagram. Complete information on Data communication can be found in the section entitled "Control modules".

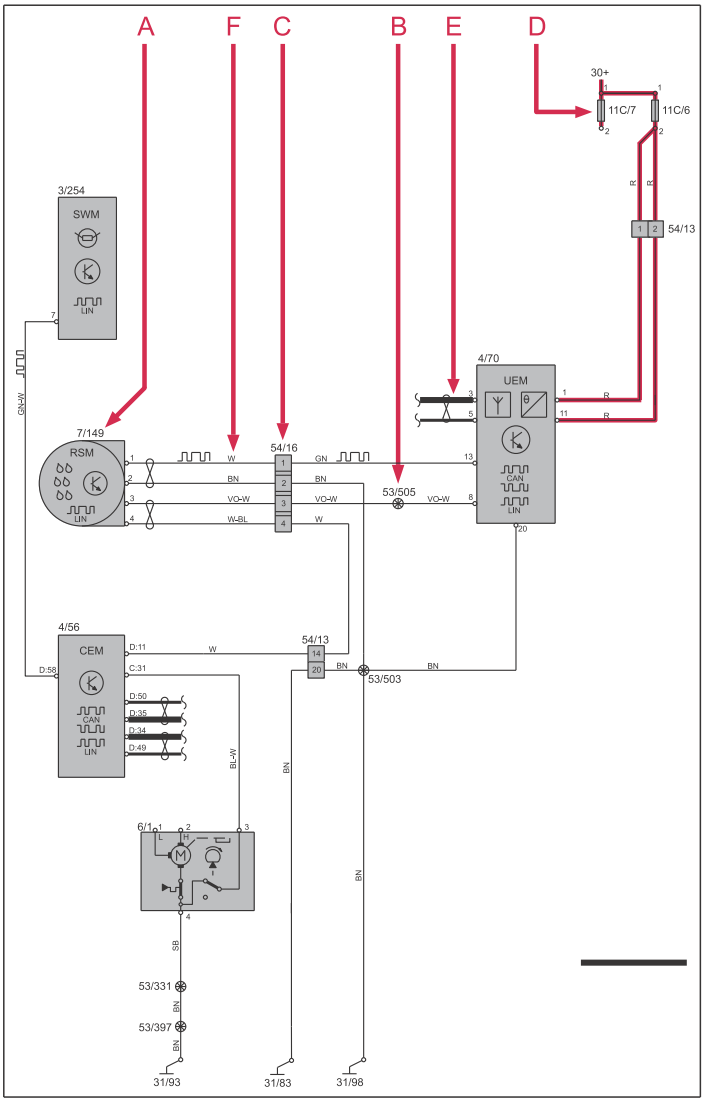
F. Abbreviations

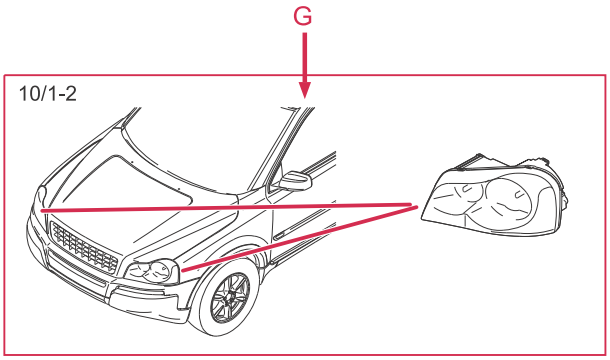
A number of different abbreviations are used in the manual. These are explained in the section "Abbreviations".

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 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

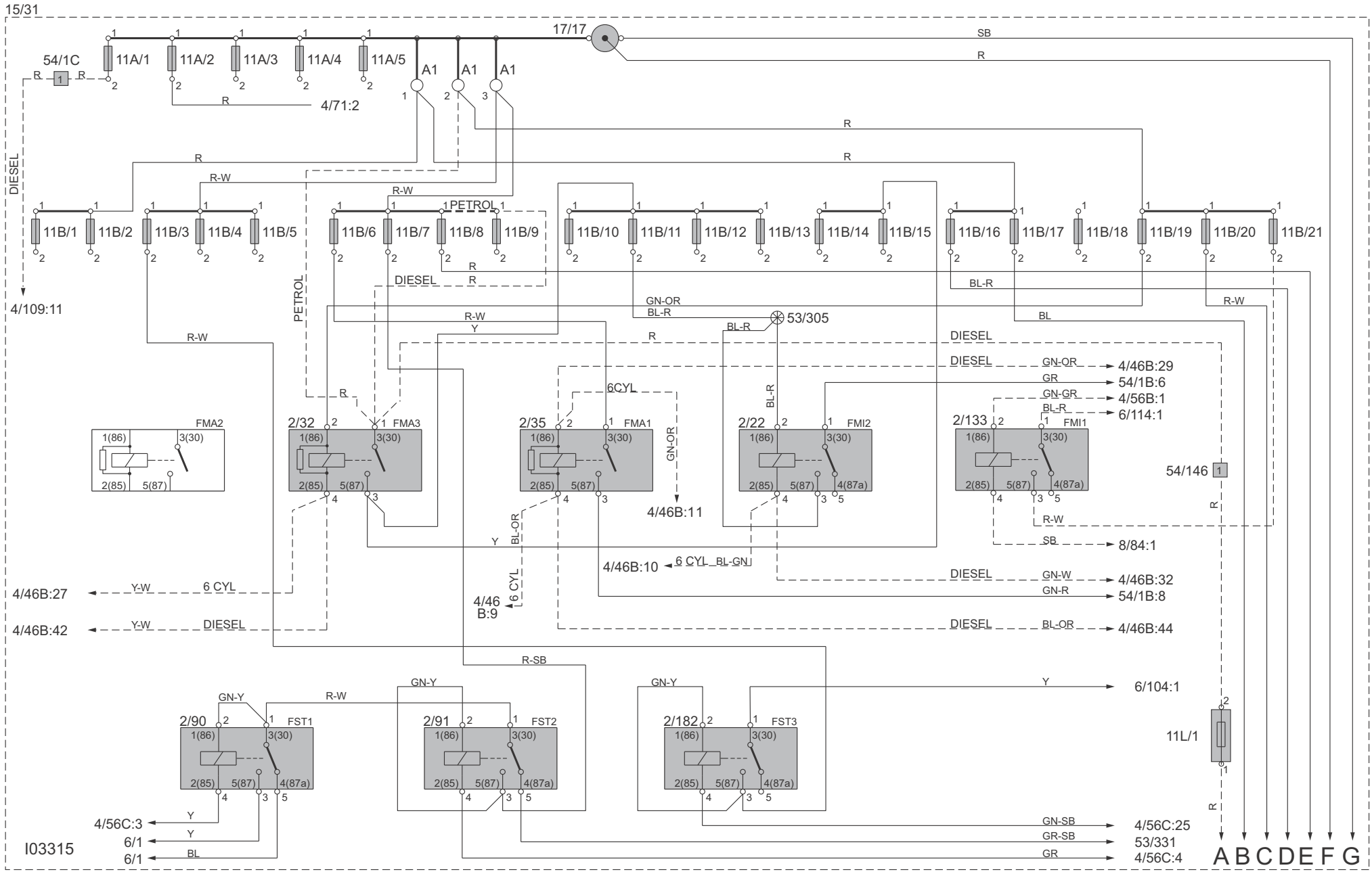
= Connection with distribution box

= Further connection to...

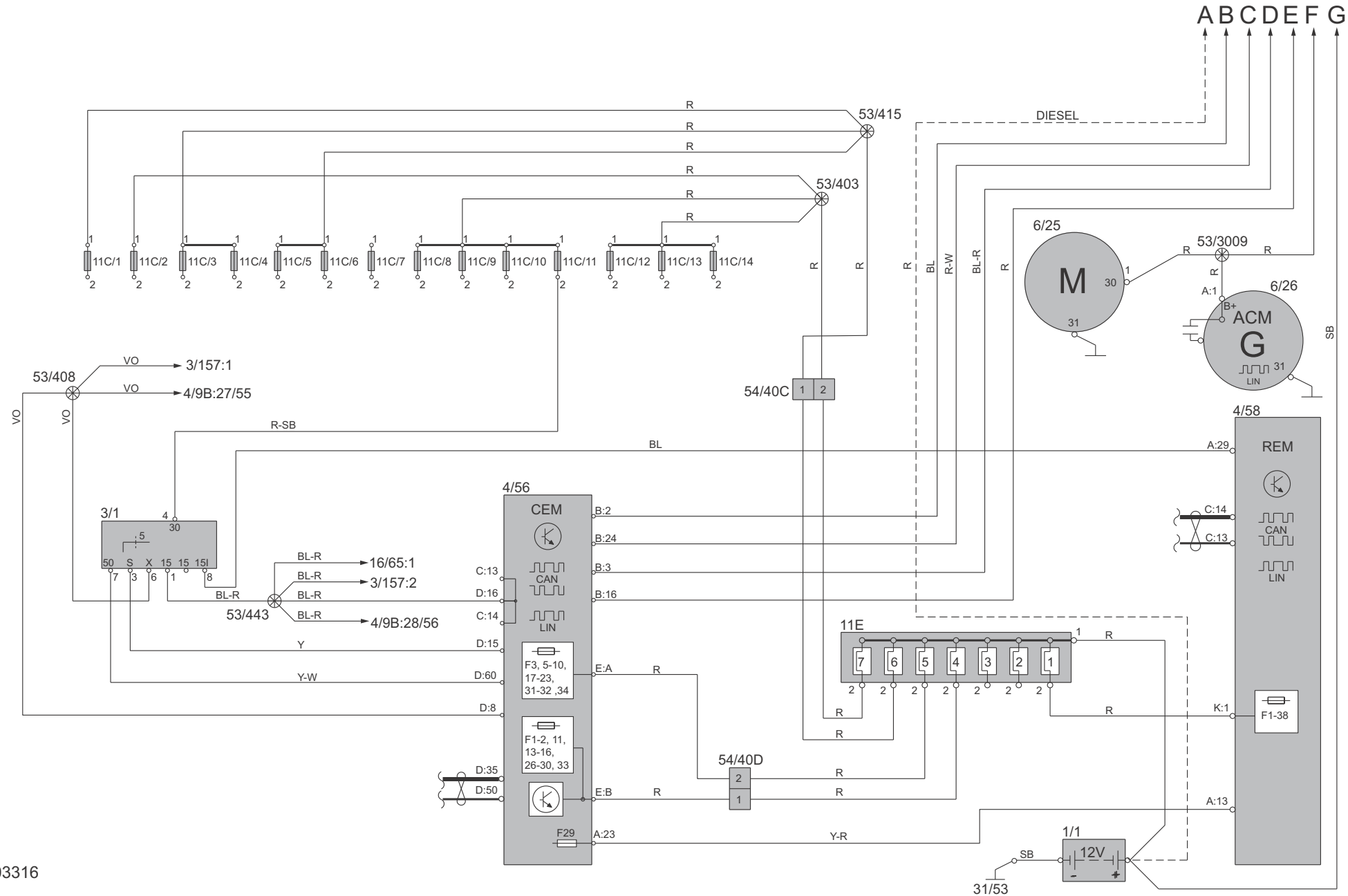
= Connector between cable harnesses

= Connector connected in component

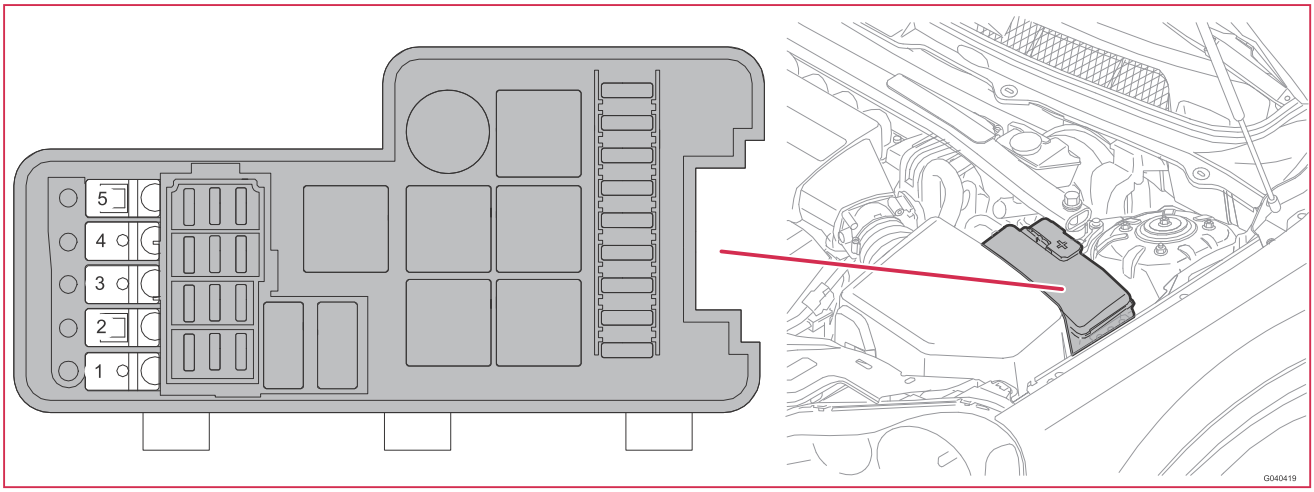
Electrical distribution 1:2
Overview



Electrical distribution 2:2
Overview



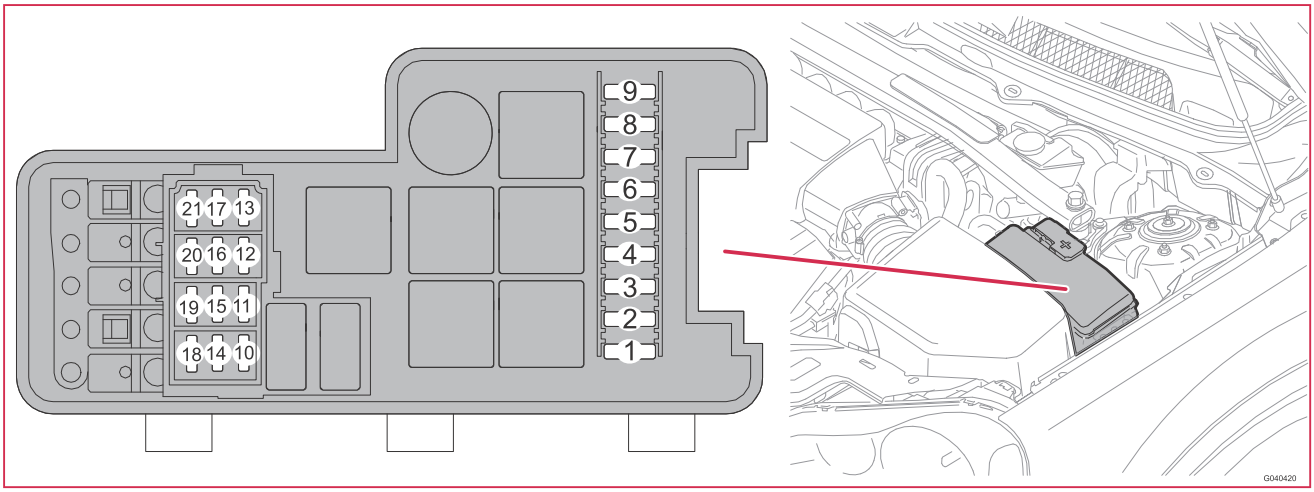
Fuses
Engine compartment 11A/1-5



11A Fuses in the engine compartment

No.	Fuse function		via	A
1	4/109 20/22-26	Glow plug control unit (GCU) Glow plug	- 4/109	60
2	4/71 6/29	Cooling fan control module Motor, electric cooling fan	- 4/71	 60
3	-		-	-
4	-		-	-
5	-		-	-

Fuses
Engine compartment 11B/1-12



11B Fuses in the engine compartment

No.	Fuse function		via	A
1	4/16	Brake Control Module (BCM)	-	30
2	4/16	Brake Control Module (BCM)	-	30
3	6/104	High pressure headlight washer motor	2/182	35
4	4/7 6/35 6/73 9/30	Combustion Preheater Module (CPM) Fuel pump, auxiliary heater Coolant pump, auxiliary heater Auxiliary heater	- 4/7 4/7 4/7	25
5	2/64 10/65 10/69	Relay auxiliary lights Auxiliary light, front right Auxiliary light, front left	54/8 2/64 2/64	20
6	6/25	Starter motor	2/35	35
7	2/90 2/91 6/1	Relay, windshield wiper, low/high speed Relay, intermittent wiping Windshield wiper motor	2/91 - 2/90, 2/91	25
8	4/56 4/83 6/33	Central Electronic Module (CEM) Control module fuel pump Fuel pump	- 4/56 4/56	15
9	4/28	Transmission Control Module (TCM), TF-80SC/TF-80SC AWD	-	15
10	4/46 20/3-8	Engine Control Module (ECM), Diesel Spark plug and ignition coil	- -	20
11	2/22 4/46 6/44 7/51 8/3	Relay, climate control system Engine Control Module (ECM) Cooling fan, electrics box, engine compartment Accelerator pedal sensor Electromagnetic clutch, climate control system	- - - - 2/22	10
12	7/17	Mass air flow sensor (MAF), Diesel	-	5
	4/46 7/17 8/6-11	Engine Control Module (ECM), Gasoline Mass airflow sensor (MAF), Gasoline Injectors, Gasoline	- - -	15

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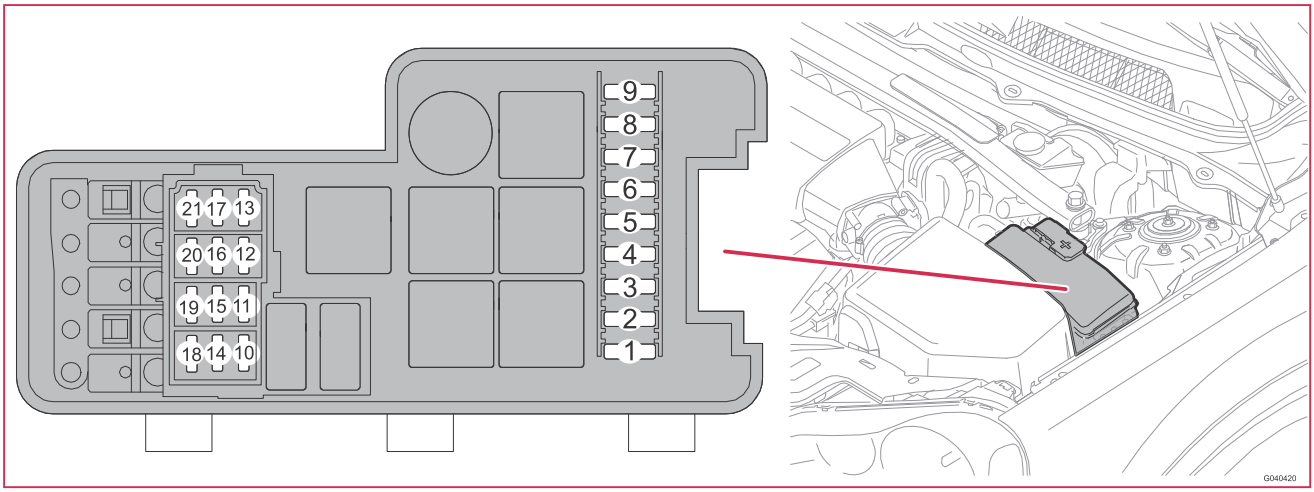
Fuses
Engine compartment 11B/13-15



11B Fuses in the engine compartment

No.	Fuse function		via	A
13	4/46	Engine Control Module (ECM), Diesel	-	15
	6/118	Swirl throttle control motor, Diesel	4/46	
	6/120	Throttle unit, Diesel	4/46	
	6/139	Upper actuating motor, intake manifold	-	
	6/140	Lower actuating motor, intake manifold	-	
	8/98	Fuel pressure control valve, Diesel	4/46	
	8/111	Fuel flow control valve	4/46	
14	7/15	Heated oxygen sensor, Diesel	-	10
	7/15	Heated oxygen sensor, 5-Cyl.	-	20
	7/15	Front heated oxygen sensor, bank 2, 6-Cyl.	-	
	7/82	Rear heated oxygen sensor, 5-Cyl.	-	
	7/82	Rear heated oxygen sensor, bank 2, 6-Cyl.	-	
	7/103	Front heated oxygen sensor, bank 1, 6-Cyl.	-	
	7/104	Rear heated oxygen sensor, bank 1, 6-Cyl.	-	
15	6/67	Pump, fuel leakage control		10
	8/18	EVAP valve	-	
	8/19	Solenoid, variable valve timing, intake	-	
	8/28	Turbocharger control valve	-	
	8/81	Solenoid, variable valve timing outlet	-	
	9/32	PTC resistor, crankcase ventilation	-	
	6/67	Pump, fuel leakage control	-	15
	8/3	Electromagnetic clutch, climate control system, 6-Cyl.	-	
	8/18	EVAP valve, 6-Cyl.	-	
	8/19	Solenoid, variable valve timing, intake, 6-Cyl.	-	
	8/125	Variable valve lifter, front plane, 6-Cyl.	-	
	8/126	Variable valve lifter, rear plane, 6-Cyl.	-	
	4/109	Glow plug control unit (GCU), Diesel	-	
	6/143	Turbo control motor, Diesel	-	
	8/64	Solenoid valve, engine pad, Diesel	-	
	8/120	EGR valve, Diesel	-	

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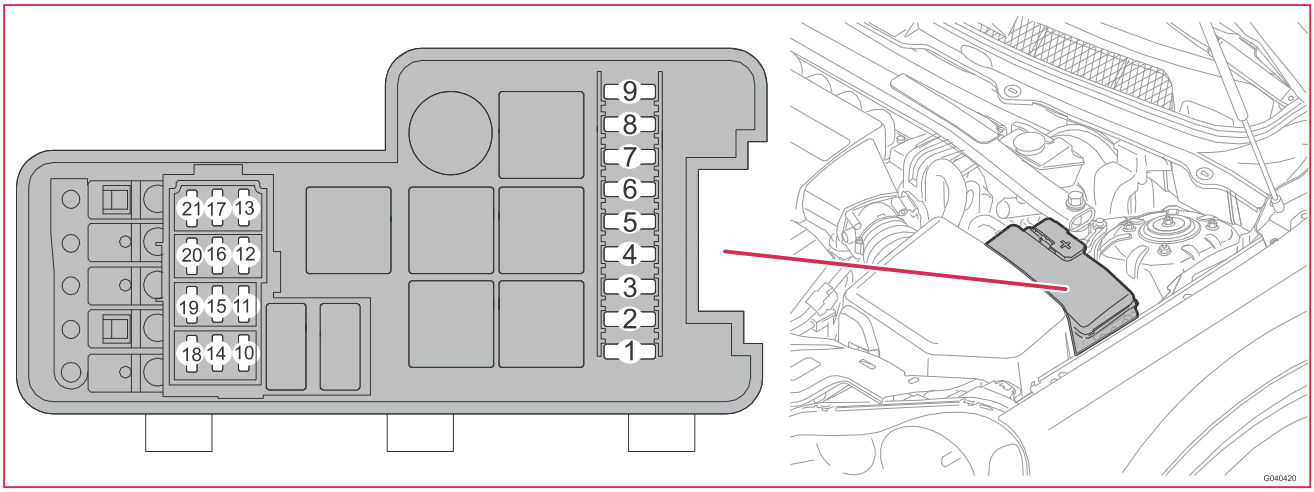
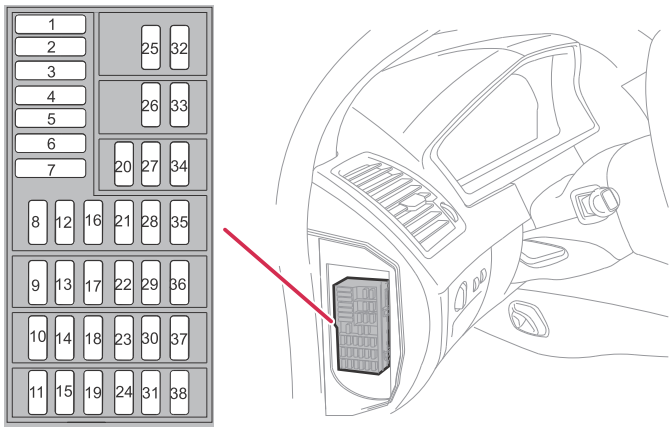
Fuses
Engine compartment 11B/16-21



11B Fuses in the engine compartment

No.	Fuse function		via	A
16	4/56	Central Electronic Module (CEM)	-	20
	10/1	Left front lamp housing, daytime running lights	4/56	
	10/68	High beam, left	4/56	
	10/70	Low beam, left	4/56	
17	4/56	Central Electronic Module (CEM)	-	20
	10/2	Right front lamp housing, daytime running lights	4/56	
	10/64	High beam, right	4/56	
	10/66	Low beam, right	4/56	
19	2/32	Main relay, engine management system	-	5
	4/46	Engine Control Module (ECM)	2/32	
20	4/56	Central Electronic Module (CEM)	-	15
	10/11	Running/parking light, front left	4/56	
	10/12	Running/parking light, front right	4/56	
	10/71	Side running light, front left	4/56	
	10/73	Side running light, front right	4/56	
21	6/114	Vacuum pump	2/133	20

Fuses
Passenger compartment 11C/1-8



11C Fuses in the passenger compartment

No.	Fuse function		via	A
1	4/31	Fan control module	-	30
	6/28	Motor, passenger compartment fan	4/31	
2	16/105	Audio Module (AUD)	-	30
3	3/26	Switch unit, power driver's seat	4/52	25
	4/52	Power Seat Module (PSM)	-	
	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	3/27	Switch unit, power passenger seat	-	25
	6/20	Motor passenger seat, fore/aft	3/27	
	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	
5	3/74	Left-hand front door lock unit	3/126	25
	3/126	Driver/Passenger Door Module (DDM)/(PDM)	-	
	6/58	Motor, front left power window	3/126	
	6/62	Left power exterior rearview mirror	3/126	
	9/33	Left heated exterior rearview mirror	3/126	
	10/148	Left exterior rearview mirror lighting	3/126	
6	3/75	Right-hand front door lock unit	3/127	25
	3/127	Passenger/Driver Door Module (PDM)/(DDM)	-	
	6/60	Motor, front right power window	3/127	
	6/63	Right power exterior rearview mirror	3/127	
	9/34	Right heated exterior rearview mirror	3/127	
	10/149	Right exterior rearview mirror lighting	3/127	
7	-		-	-
8	16/1	Integrated Audio Module (IAM)	-	15
	16/36	TV receiver	16/1	
	16/109	DVD player/control module	16/1	
	17/42	USB-port		

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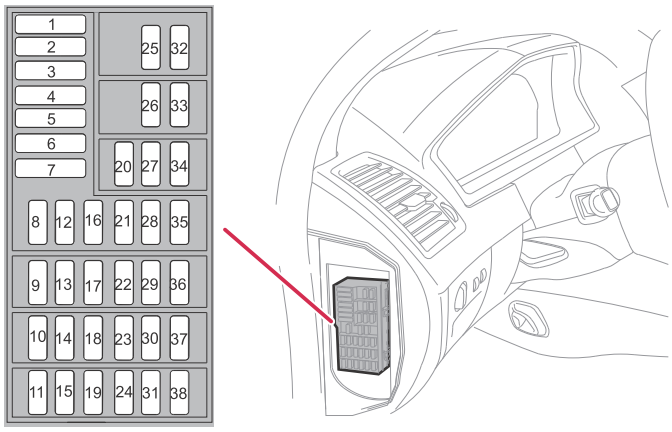
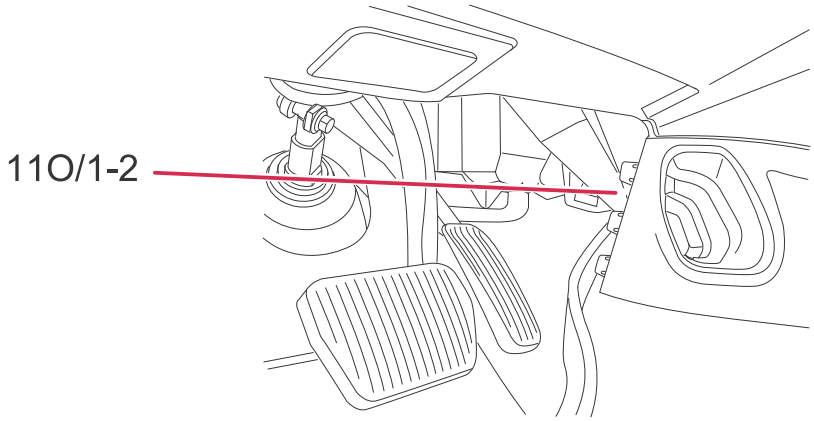
Fuses
Passenger compartment 11C/9-14



11C Fuses in the passenger compartment

No.	Fuse function		via	A
9	4/124	Accessory USB unit (AUU)	-	10
	16/46	Multimedia display	-	
	16/81A	Screen, LH head restraint	16/108	
	16/81B	Screen, RH head restraint	16/108	
	16/108	Multimedia Module (MMM)	-	
	16/109	DVD player/control module	-	
	16/145	Remote Digital Audio Receiver (RDAR)	-	
	16/159	Control module, cellular phone handsfree	-	
10	3/4	Steering wheel switch left (SWSL)	3/254	5
	3/59	Headlight adjustment control	3/111	
	3/111	Light Switch Module (LSM)	-	
	3/254	Steering Wheel Module (SWM)	3/254	
	4/68	Steering Wheel Angle Sensor Module (SAS)	-	
	17/13	Data link connector	-	
11	3/157	Switch, passenger side airbag	3/1	7.5
	4/9	Supplemental Restraint System Module (SRS)	3/1	
	4/56	Central Electronic Module (CEM)	3/1	
	4/58	Rear Electronic Module (REM)	3/1	
	11O/1	Fuses in spare fuse holder, passenger compartment	-	
	11O/2	Fuses in spare fuse holder, passenger compartment	3/1	
	16/65	Antenna ring/ignition switch illumination	3/1	
12	3/117	Switch unit, ceiling light	4/70	10
	4/70	Upper Electronic Module (UEM)	-	
	7/149	Rain Sensor Module (RSM)	4/70	
	7/199	Ultrasonic sensor (IMS)	4/70	
	10/114	Vanity mirror lighting, left	4/70	
	10/115	Vanity mirror lighting, right	4/70	
	10/150	Rear reading light	4/70	
	10/172	Reading light, third row of seats	4/70	
13	4/33	Sun roof Module (SRM)	-	15
	4/70	Upper Electronic Module (UEM)	-	
	6/15	Sunroof motor	4/33	
14	3/267	Switch unit, telematics	16/60	5
	16/60	Phone Module (PHM)	-	
	16/147	Bluetooth Phone Module (BPM)	-	

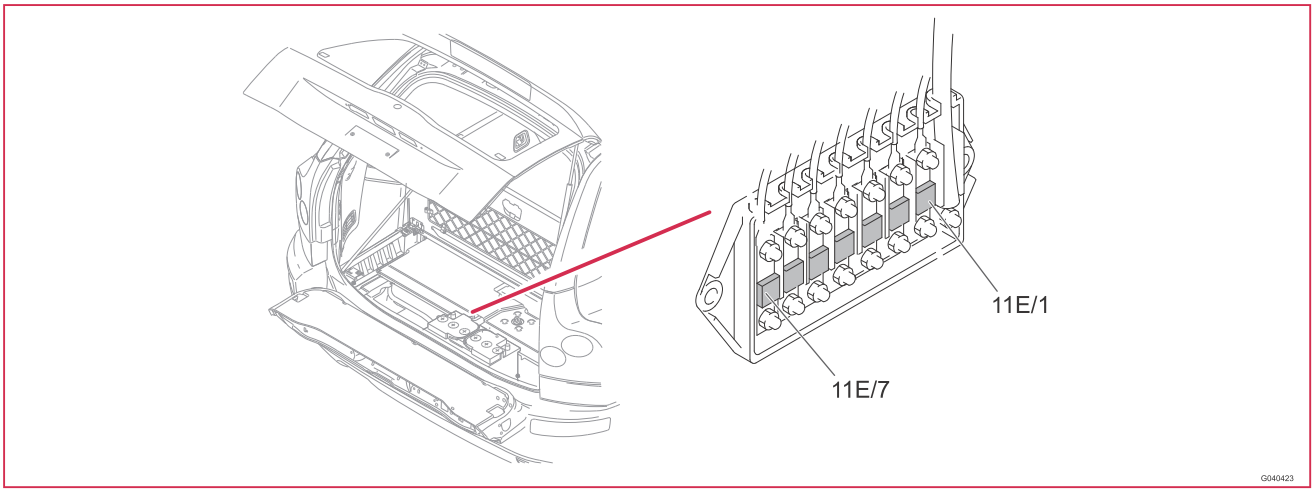
Fuses
Passenger compartment 11O/1-2



11O Fuses in spare fuse holder, passenger compartment

No.	Fuse function	via	A
1	Alcohol lock Alcohol lock	- 2/241	5
2	Alcohol lock	-	5

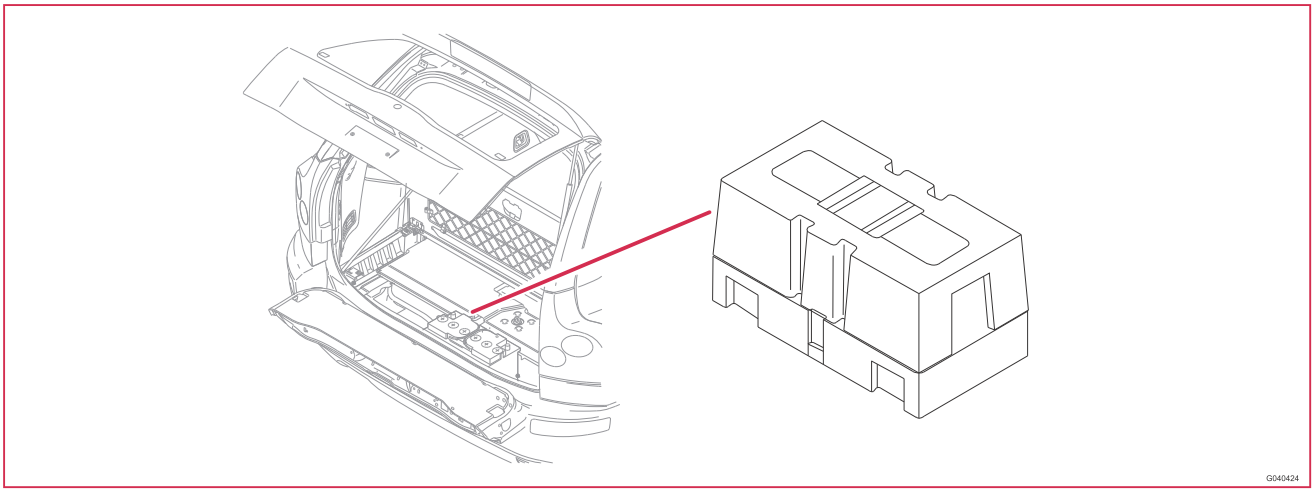
Fuses
Cargo compartment 11E/1-7



11E Fuses at battery

No.	Fuse function	via	A
1	4/58 Rear Electronic Module (REM) Main fuse for: F1-F38	- -	60
3	11O/7 Fuse in spare fuse holder, cargo compartment 11O/8 Fuse in spare fuse holder, cargo compartment 11O/12 Fuse in spare fuse holder, cargo compartment	- - -	40
4	4/56 Central Electronic Module (CEM) Main fuse for: F1-F2, F11, F13-F16, F26-F30, F33	- -	50
5	4/56 Central Electronic Module (CEM) Main fuse for: F3, F5-F10, F17-F23, F31-F32, F34	- -	50
6	11C/1, 3-6 Fuses in passenger compartment fuse box	-	50
7	11C/2, 9-14 Fuses in passenger compartment fuse box	-	50

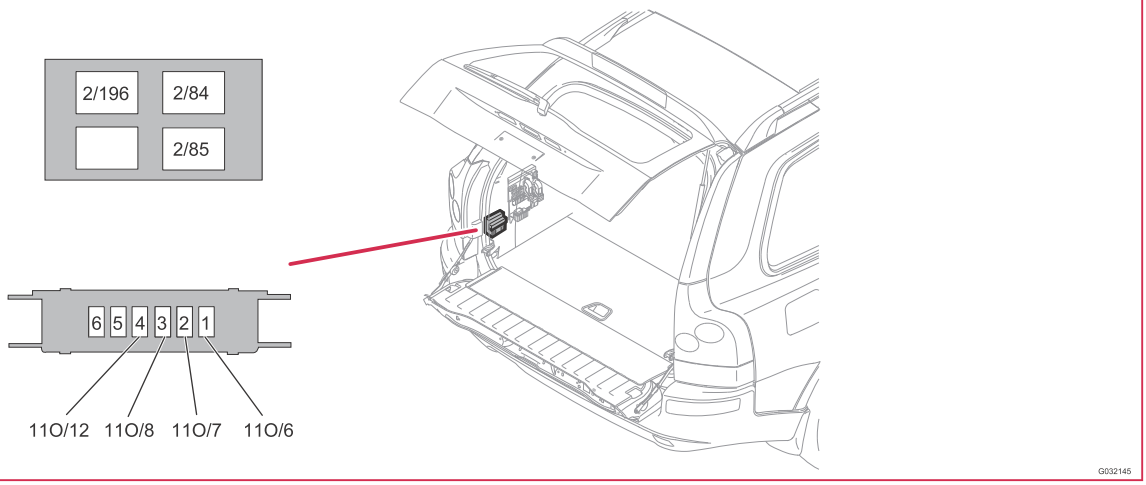
Fuses
Cargo compartment 11L/1



11L Fuse Diesel

No.	Fuse function		via	A
1	11B/9 11B/10-15	Fuses in engine compartment fuse box, Diesel Fuses in engine compartment fuse box	- 2/32	50

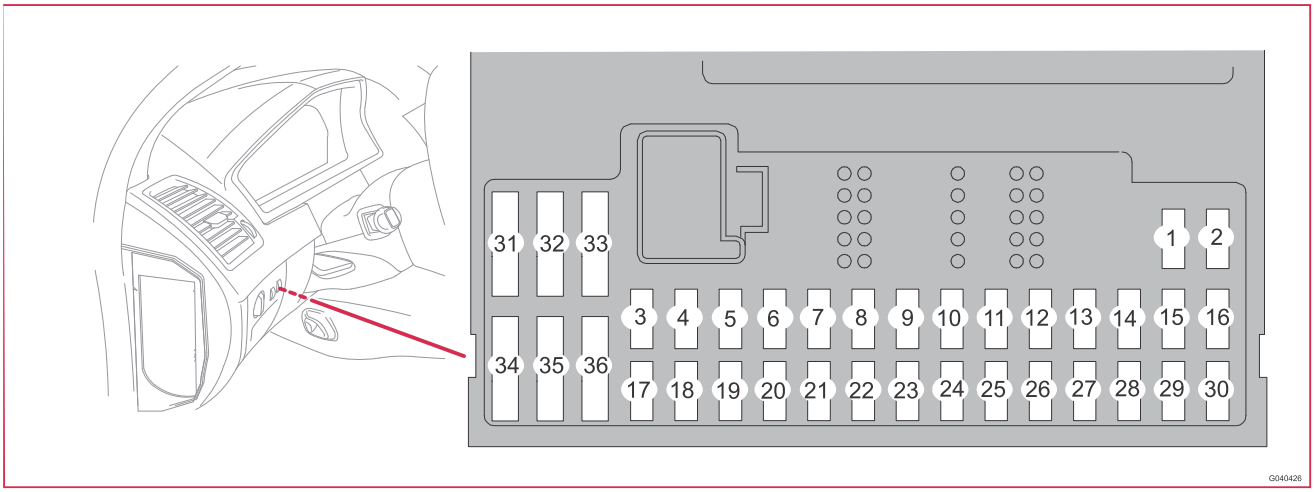
Fuses
Cargo compartment 11O/6-12



11O Fuses in spare fuse holder in cargo compartment

No.	Fuse function		via	A
6	2/196	Relay comfort system seats	-	5
	3/64	Switch, heated rear seat, left	-	
	3/69	Switch, heated rear seat, right	-	
7	9/14	Control module, rear left seat heater	2/84	15
8	9/15	Control module, rear right seat heater	2/85	15
12	4/131	Control module back massage left	2/196	5
	4/133	Control back massage right	2/196	
	6/150	Ventilation fan seat place left seat	2/196	
	6/152	Ventilation fan seat place right seat	2/196	
	6/169	Left pump back massage	4/131, 2/196	
	6/170	Right pump back massage	4/131, 2/196	

Fuses
Central Electronic Module (CEM) F1-F10

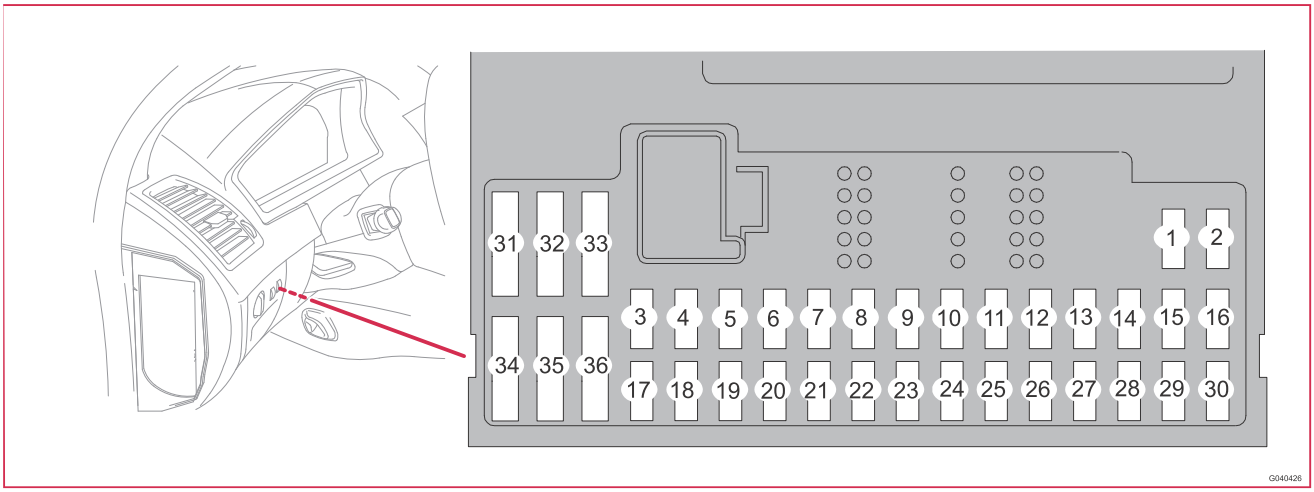


4/56 Central Electronic Module (CEM)

No.	Fuse function		via	A
F1	9/13	Seat Heating Module (SHM), right	-	15
	9/17	Right-hand backrest heating element	9/13	
	9/19	Right-hand seat heating element	9/13	
F2	9/12	Seat Heating Module (SHM), left-hand	-	15
	9/16	Left-hand backrest heating element	9/12	
	9/18	Left-hand seat heating element	9/12	
F3	16/10	Horn 1	-	15
F5	4/120	Parking Assistance Camera (PAC)	-	10
	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	-	
F8	16/35	Siren Control Module (SCM)	-	5
F9	3/9	Contact brake light	-	5
F10	3/112	Climate control module (CCM)	-	10
	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 side	-	
	6/96	Damper Motor Module (DMM), temperature, right side	-	
	6/102	Damper Motor Module (DMM), defroster	-	
	6/103	Damper Motor Module (DMM), floor/ventilation	-	
	7/93	Occupant Weight Sensor (OWS)	-	
	7/159	Air Quality Sensor (AQS)	-	

continues

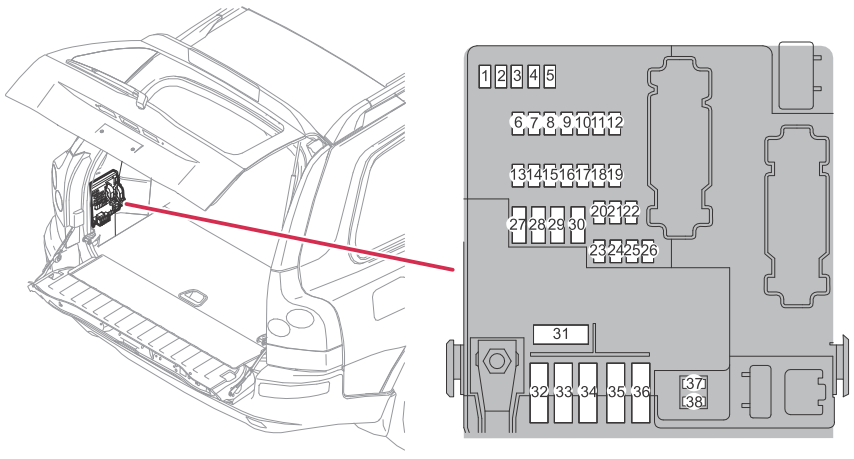
Fuses
Central Electronic Module (CEM) F11-F34



4/56 Central Electronic Module (CEM)

No.	Fuse function		via	A
F11	9/1 9/25	Outlet 12V front Outlet 12V rear	- -	15
F15	4/16	Brake control module (BCM)	-	5
F16	4/99 4/118 6/38 6/39 10/1 10/2	Electronic power steering control module Headlamp Control Module (HCM) Motor, left headlight adjustment Motor, right headlight adjustment Left front lamp housing, Dual Xenon Right front lamp housing, Dual Xenon	- - - - - -	10
F17	10/5	Fog light, front left	-	7.5
F18	10/6	Fog light, front right	-	7.5
F21	3/156 4/28 8/36 8/134	Gear Selector Module (GSM) Transmission Control Module (TCM) Solenoid shift lock Solenoid, reverse interlock, manual	- - 3/156 -	10
F22	10/68	High beam, left	-	10
F23	10/64	High beam, right	-	10
F28	3/27 16/109	Switch unit, power passenger seat DVD player/control module	- -	5
F29	4/58 6/31	Rear Electronic Module (REM) Feed pump, ejectors	- 4/58	7.5
F30	27/3 27/4	Left Camera Module (LCM) Right Camera Module (RCM)	- -	5
F33	2/133 8/84	Relay vacuum pump Switch, vacuum pump	- 2/133	20
F34	6/127	Washer motor	-	15

Fuses
Rear electronic module (REM) F1-F19

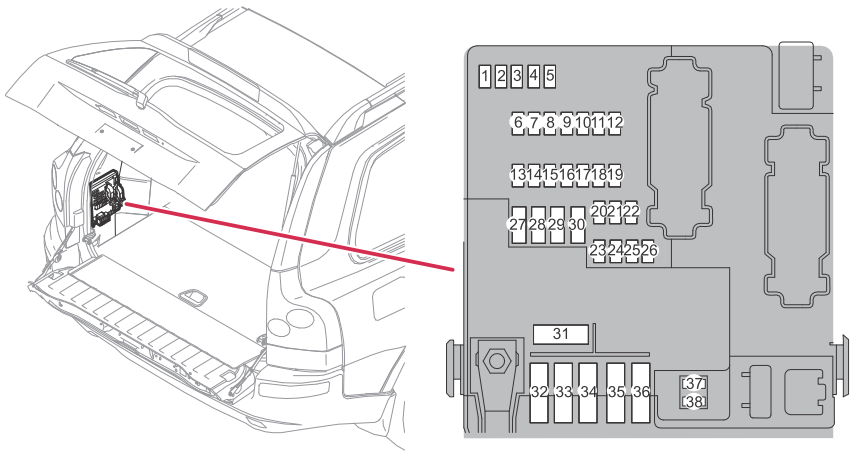


4/58 Rear Electronic Module (REM)

No.	Fuse function		via	A
F1	10/48	Right-hand reversing light	-	10
	10/55	Left-hand reversing light	-	
F2	10/3	License plate lighting	-	20
	10/19	Auxiliary brake light	-	
	10/44	Tail lamp 1 right	-	
	10/46	Fog light, rear right	-	
	10/51	Tail lamp 1 left	-	
	10/53	Fog light, rear left	-	
	10/173	Cargo compartment lighting, tailgate	-	
F3	2/192	Relay, electric engine heater	4/78	15
	4/78	Accessory electronic module (AEM)	-	
	4/106	Control module, remote parking heater start	-	
F5	4/58	Rear Electronic Module (REM)	-	10
F7	17/39	13-pin outlet, tow hitch cable harness	-	15
F8	17/19	12V outlet, cargo compartment	-	15
F9	2/139	Deadlock relay, right-hand rear door	-	20
	3/86	Power window switch, right rear door	-	
	6/93	Motor, rear right power window	3/86	
F10	2/138	Deadlock relay, left-hand rear door	-	20
	3/85	Power window switch, rear left door	-	
	6/92	Motor, rear left power window	3/85	
F13	8/85	Thermostatic switch and fuel filter heating	-	15
F14	3/106	Switch fan speed	6/76	15
	6/76	Climate control system, rear	-	
F19	6/32	Rear window wiper motor	-	15

continues

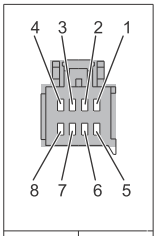
Fuses
Rear electronic module (REM) F20-F38



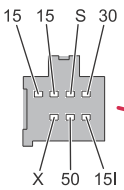
4/58 Rear Electronic Module (REM)

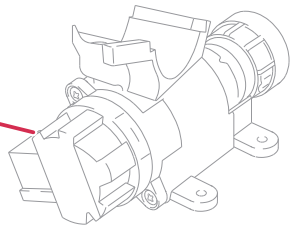
No.	Fuse function		via	A
F20	11O/6	Fuse in spare fuse holder, cargo compartment	-	20
	4/120	Parking Assistance Camera (PAC)	-	
	17/37	4-pin outlet, cable harness towbar/tow hitch	-	
	17/38	7-pin outlet, cable harness towbar/tow hitch, USA		
	17/39	13-pin outlet, tow hitch cable harness		
	27/6	Camera		
F21	Spare		-	10
F23	4/82	Differential Electronic Module (DEM)	-	7.5
F26	4/86	Parking Assistance Module (PAM)	-	5
F27		Main fuse for F20, F21, F23, F24, F26	-	30
F28	3/76	Lock unit, rear left door	-	15
	3/77	Lock unit, rear right door	-	
	3/78	Lock unit, trunk lid/tailgate	-	
	6/37	Lock motor, fuel filler cover	-	
F29	4/110	Trailer Module	-	25
		- running light	-	
		- left-hand direction indicator	-	
	26/4	Converter, direction indicators & brake lights, USA	-	
		- running light	-	
		- left-hand direction indicator	-	
F30	4/110	Trailer Module	-	25
		- brake lights	-	
		- fog lights	-	
		- right-hand direction indicator	-	
F31		Main fuse for F37-F38	-	40
F37	9/2	Heated rear window	-	20
F38	9/2	Heated rear window	-	20

Relays
Ignition switch and relays



Term.	Color
1	BL-R
2	-
3	Y
4	R-SB
5	-
6	VO
7	Y-W
8	BL



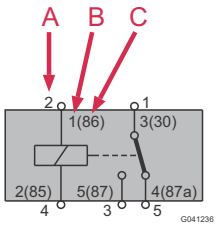


Position	Terminal						
	30	15	15	X	15I	S	50
Key Out	X						
0	X					X	
I	X			X		X	
II	X	X	X	X	X	X	
III	X	X	X			X	X

G040431

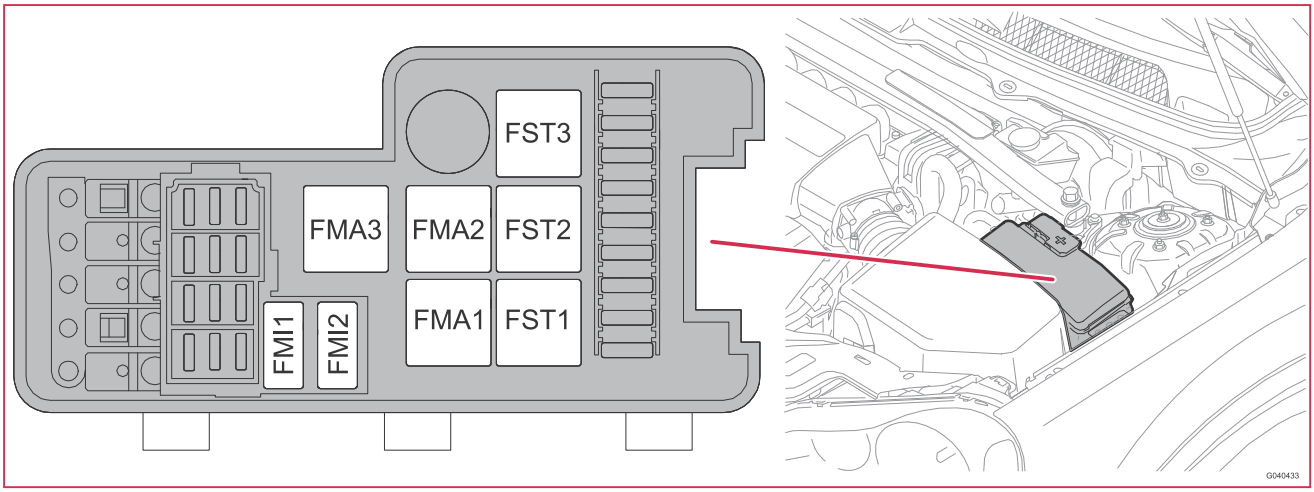
Relays, general

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



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

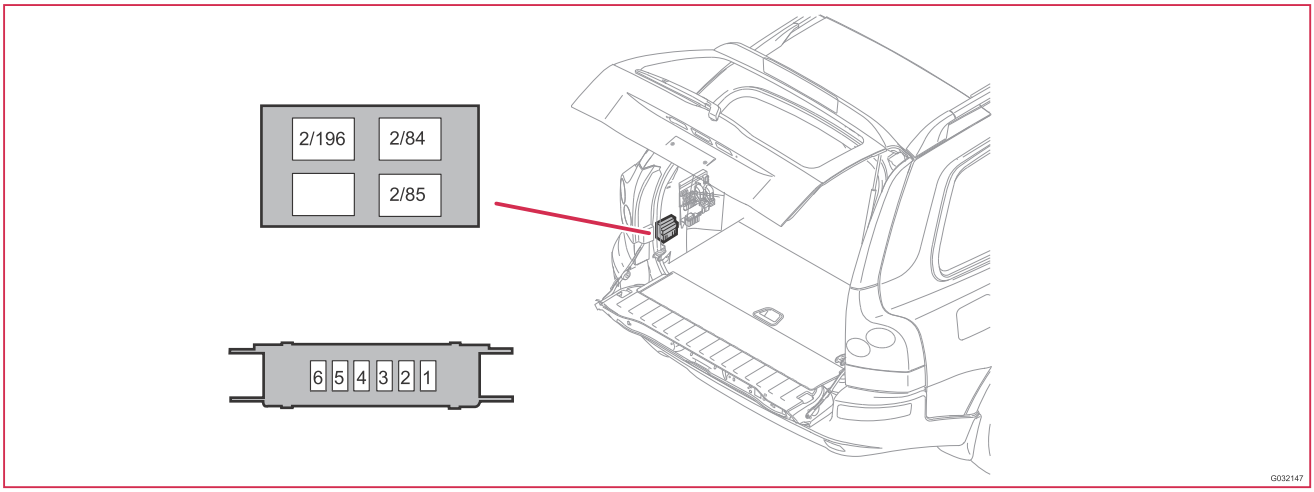
Relays
Engine compartment FMA1 - FST3



Relays in the engine compartment

Pos	Relay function	
FMA1	2/35	Relay, starter motor
FMA3	2/32	Main relay, engine management system
FMI1	2/133	Relay vacuum pump
FMI2	2/22	Relay, climate control system
FST1	2/90	Relay, windshield wiper, low/high speed
FST2	2/91	Relay, intermittent wiping
FST3	2/182	Relay, high pressure headlight washer motor

Relays
Cargo compartment R1-R3



Relays in cargo compartment

Pos	Relay function	
R1	2/84	Relay, seat heater rear left
R2	2/85	Relay, seat heater rear right
R3	2/196	Relay comfort system seats

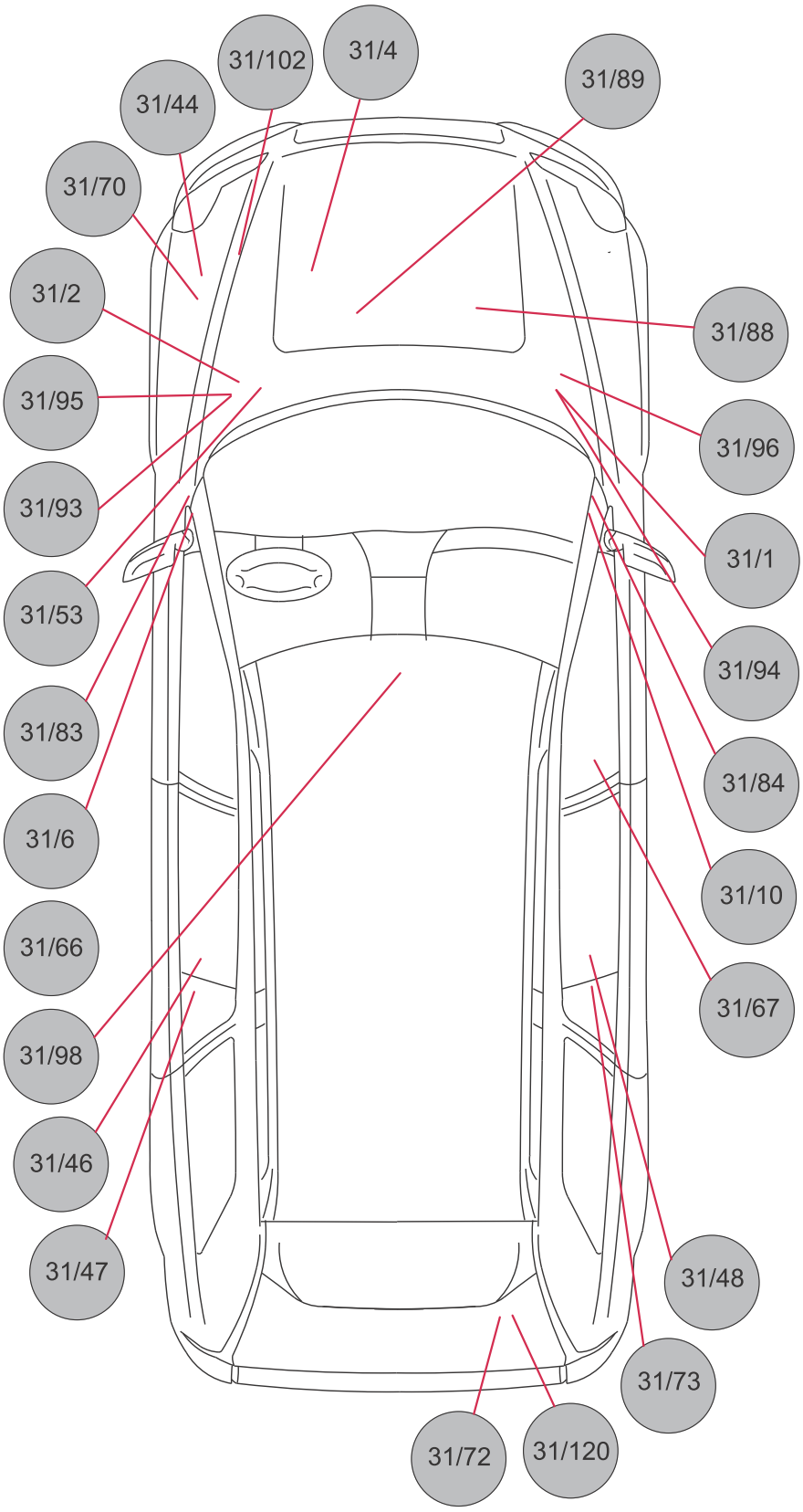
Relays
Other relays
Other relays

Pos	Relay function	
Left-hand rear door	2/138	Deadlock relay, left-hand rear door
Right-hand rear door	2/139	Deadlock relay, right-hand rear door

Relays accessories

Pos	Relay function	
Engine compart-ment	2/64	Relay auxiliary lights
Cargo compart-ment	2/191	Relay parking heater remote start radio signal
Front member	2/192	Relay, electric engine heater
By climate control system	2/71 2/240 2/241	Relay, cellular phone handsfree, internal amplifier Alcohol lock relay, wake-up Alcohol lock relay, interior lighting
Under the right-hand front seat	2/71	Relay, cellular phone handsfree, external amplifier

Ground connections
Overview



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Ground connections
31/1 - 31/44

31/1	Right MacPherson strut tower
6/104	High pressure headlight washer motor
7/5	Washer fluid level sensor
16/10	Horn 1

31/2	Left MacPherson strut tower
4/46	Engine control module (ECM), 6-Cyl.& Diesel
4/71	Cooling fan control module

31/4	Engine
31/44	Ground connection

31/6	A-post, left-hand side
2/240	Alcohol lock relay, wake-up, accessories
2/241	Alcohol lock relay, interior lighting, accessories
3/6	Switch, hazard warning flashers
3/117	Switch unit, ceiling light
4/31	Fan control module, RHD
4/56	Central Electronic Module (CEM), LHD
4/76	Remote control unit for garage door opener
6/15	Sunroof motor
6/28	Motor passenger compartment fan, RHD
10/29	Glove compartment lighting
10/114	Vanity mirror lighting, left
10/125	Left-hand front courtesy lighting
10/126	Right-hand front courtesy lighting
10/150	Rear reading light
10/172	Reading light, third row of seats
16/65	Antenna ring/ignition switch illumination
	Alcohol lock, accessories

31/10	A-post, right-hand side
4/31	Fan control module, LHD
4/56	Central Electronic Module (CEM), RHD
6/28	Motor passenger compartment fan, LHD
9/1	Outlet 12V front
9/25	Outlet 12V rear
16/45	Portable navigation system, accessories

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

Ground connections
31/46 - 31/66

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, rear left door
3/85	Power window switch, rear left door
4/52	Power Seat Module (PSM), LHD
4/82	Differential Electronic Module (DEM)
6/20	Motor passenger seat, fore/aft, RHD
6/64	Motor passenger seat, backrest angle, RHD
6/65	Motor passenger seat, up/down front edge, RHD
6/66	Motor passenger seat, up/down rear edge, RHD
7/110	Left-hand seat temperature sensor
8/51	Front left side airbag igniter
9/12	Seat Heating Module (SHM), left-hand
9/16	Left-hand backrest heating element
9/18	Left-hand seat heating element
10/151	Left-hand rear door switch lighting

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
3/74	Left-hand front door lock unit
3/126	Driver/Passenger Door Module (DDM)/(PDM)
6/58	Motor, front left power window
6/62	Left power exterior rearview mirror
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)

Ground connections
31/67 - 31/70

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
3/75	Right-hand front door lock unit
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
6/16	Motor driver’s seat, backrest angle, LHD
6/17	Motor driver’s seat, up/down front edge, LHD
6/18	Motor driver’s seat, up/down rear edge, LHD
6/19	Motor driver’s seat, fore/aft, LHD
6/20	Motor passenger seat, fore/aft, LHD
6/35	Fuel pump, auxiliary heater
6/60	Motor, front right power window
6/63	Right power exterior rearview mirror
6/64	Motor passenger seat, backrest angle, LHD
6/65	Motor passenger seat, up/down front edge, LHD
6/66	Motor passenger seat, up/down rear edge, LHD
7/93	Occupant Weight Sensor (OWS)
7/111	Right-hand seat temperature sensor
8/52	Front right side airbag igniter
9/13	Seat Heating Module (SHM), right
9/17	Right-hand backrest heating element
9/19	Right-hand seat heating element
9/34	Right heated exterior rearview mirror
10/16	Direction indicator, right door mirror
10/149	Right exterior rearview mirror lighting
10/152	Right-hand rear door switch lighting
27/4	Right Camera Module (RCM)

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

Ground connections
31/72 - 31/83

31/72	Cargo compartment
3/106	Switch fan speed
4/58	Rear Electronic Module (REM)
4/86	Parking Assistance Module (PAM)
6/32	Rear window wiper motor
6/76	Climate control system, rear
9/2	Heated rear window
10/18	Lamp housing, rear left
10/50	Brake light, left
10/51	Tail lamp 1 left
10/53	Fog light, rear left
10/54	Direction indicator, left rear
10/55	Left-hand reversing light

31/73	Rear seat riser, right-hand side
2/191	Relay parking heater remote start radio signal, accessory
4/78	Accessory electronic module (AEM)
4/106	Control module, parking heater remote start, accessory
8/85	Thermal switch and electric fuel filter heating, Diesel
10/17	Lamp housing, rear right
10/43	Brake light, right
10/44	Tail lamp 1 right
10/46	Fog light, rear right
10/47	Direction indicator, right rear
10/48	Right-hand reversing light
17/19	12V outlet, cargo compartment

31/83	A-post, left-hand side
4/33	Sun roof Module (SRM)
4/70	Upper Electronic Module (UEM)
5/1	Driver Information Module (DIM)
7/149	Rain Sensor Module (RSM)
7/199	Ultrasonic sensor (IMS)
16/65	Antenna ring/ignition switch illumination
16/108	Multimedia Module (MMM)
16/46	Multimedia display
31/98	Ground connection

Ground connections
31/84 - 31/89

31/84	A-post, right-hand side
2/71	Relay cellular phone handsfree
3/4	Steering wheel switch left (SWSL)
3/111	Light Switch Module (LSM)
3/112	Climate control module (CCM)
3/254	Steering Wheel Module (SWM)
3/293	Handsfree control panel cellular phone
4/68	Steering Wheel Angle Sensor Module (SAS)
4/118	Headlamp Control Module (HCM)
4/124	Accessory USB unit (AUU)
6/48	Damper Motor Module (DMM), recirculation
6/69	Damper Motor Module (DMM), ventilation/floor/defroster
6/95	Damper Motor Module (DMM), temperature, left side
6/96	Damper Motor Module (DMM), temperature, right side
6/102	Damper Motor Module (DMM), defroster
6/103	Damper Motor Module (DMM), floor/ventilation
7/159	Air Quality Sensor (AQS)
16/1	Integrated Audio Module (IAM)
16/36	TV receiver
16/60	Phone Module (PHM)
16/94	Infotainment Control Module (ICM)
16/105	Audio Module (AUD)
16/109	DVD player/control module
16/145	Remote Digital Audio Receiver (RDAR), accessories
16/147	Bluetooth Phone Module (BPM)
16/159	Control module, cellular phone handsfree
17/13	Data link connector
17/40	External equipment input (AUX)

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

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

Ground connections
31/93 - 31/96

31/93	Left MacPherson strut tower
3/10	Reversing light contact, MAN
3/62	Hood alarm contact
3/156	Gear Selector Module (GSM), TF-80SC / TF-80SC AWD
4/7	Combustion Preheater Module (CPM)
4/28	Transmission Control Module (TCM), TF-80SC / TF-80SC AWD
4/56	Central Electronic Module (CEM)
4/99	Electronic power steering control module
6/1	Windshield wiper motor
6/38	Motor, left headlight adjustment
6/114	Vacuum pump
7/4	Brake fluid level sensor
7/51	Accelerator pedal sensor
7/73	Coolant level sensor
8/36	Shift lock solenoid, TF-80SC / TF-80SC AWD
8/37	Automatic transmission
8/84	Switch, vacuum pump
8/134	Solenoid, reverse interlock, manual
9/30	Auxiliary heater
10/1	Lamp housing, front left
10/5	Fog light, front left
10/11	Running/parking light, front left
10/13	Direction indicator, front left
10/71	Side running light, front left

31/94	Right MacPherson strut tower
3/156	Gear selector module (GSM), AW51 AWD
4/28	Transmission control module (TCM), AW51 AWD
6/39	Motor, right headlight adjustment
8/36	Solenoid shift lock, AW51 AWD
10/2	Lamp housing, front right
10/6	Fog light, front right
10/12	Running/parking light, front right
10/14	Direction indicator, front right
10/73	Side running light, front right
16/35	Siren Control Module (SCM)

31/95	Left MacPherson strut tower
4/16	Brake control module (BCM)

31/96	Right MacPherson strut tower
4/46	Engine Control Module (ECM)
4/71	Cooling fan control module, Diesel, 6-Cyl.
9/32	PTC resistor, crankcase ventilation

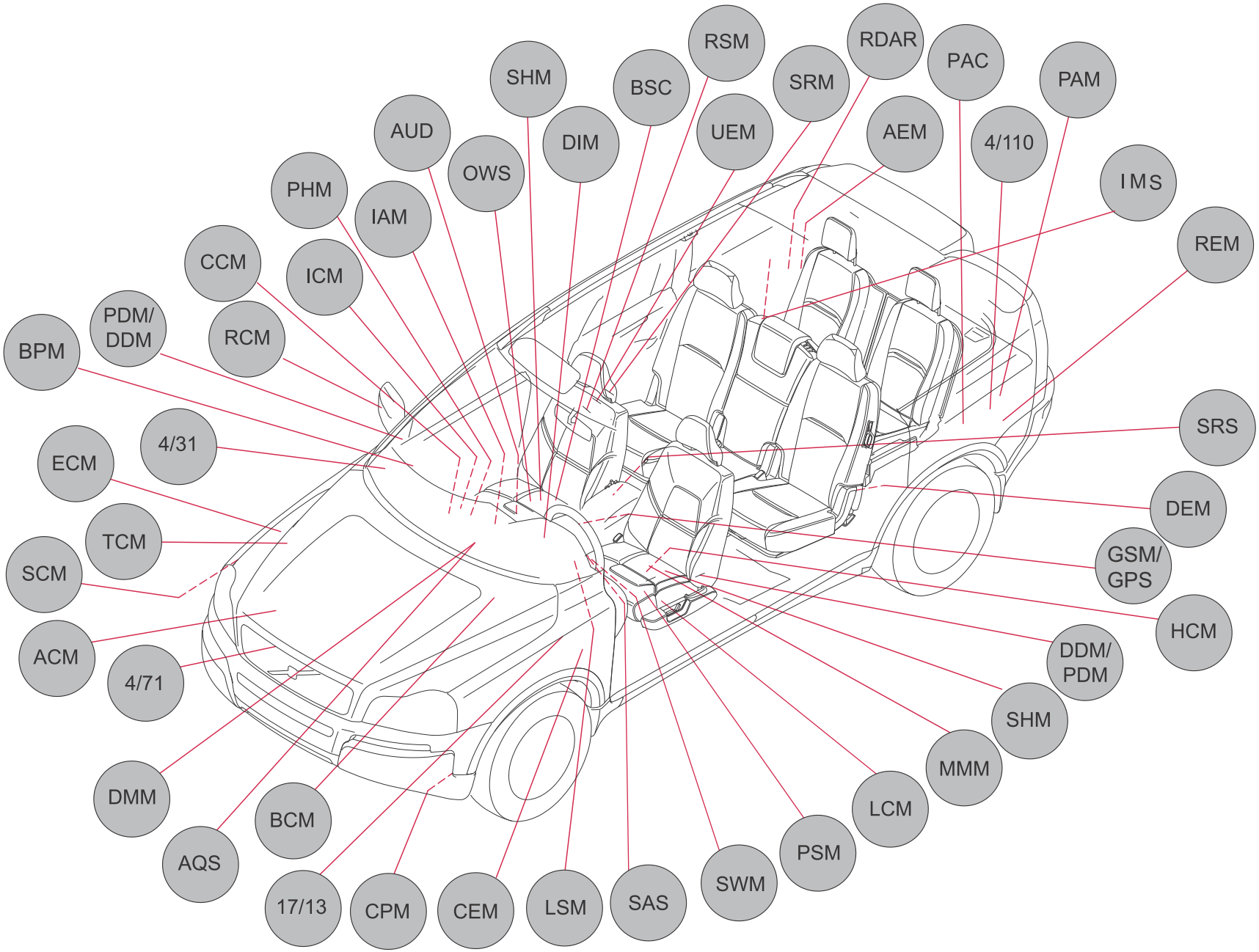
Ground connections
31/98 - 31/120

31/98	Windshield member, upper
4/33	Sun roof Module (SRM)
4/70	Upper Electronic Module (UEM)
7/149	Rain Sensor Module (RSM)
31/83	Ground connection

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

31/120	Cargo compartment, accessories
2/84	Relay, seat heater rear left
2/85	Relay, seat heater rear right
2/196	Relay comfort system seats
3/64	Switch, heated rear seat, left
3/69	Switch, heated rear seat, right
4/78	Accessory electronic module (AEM)
4/110	Trailer Module
4/120	Parking Assistance Camera (PAC)
4/131	Control module back massage left
4/133	Control back massage right
6/151	Ventilation fan backrest left seat
6/153	Ventilation fan backrest right seat
9/14	Control module, rear left seat heater
9/15	Control module, rear right seat heater
17/37	4-pin outlet, cable harness towbar/tow hitch
17/38	7-pin outlet, tow hitch cable harness
17/39	13-pin outlet, tow hitch cable harness
26/4	Converter, direction indicators & brake lights, USA

Control modules
Overview locations

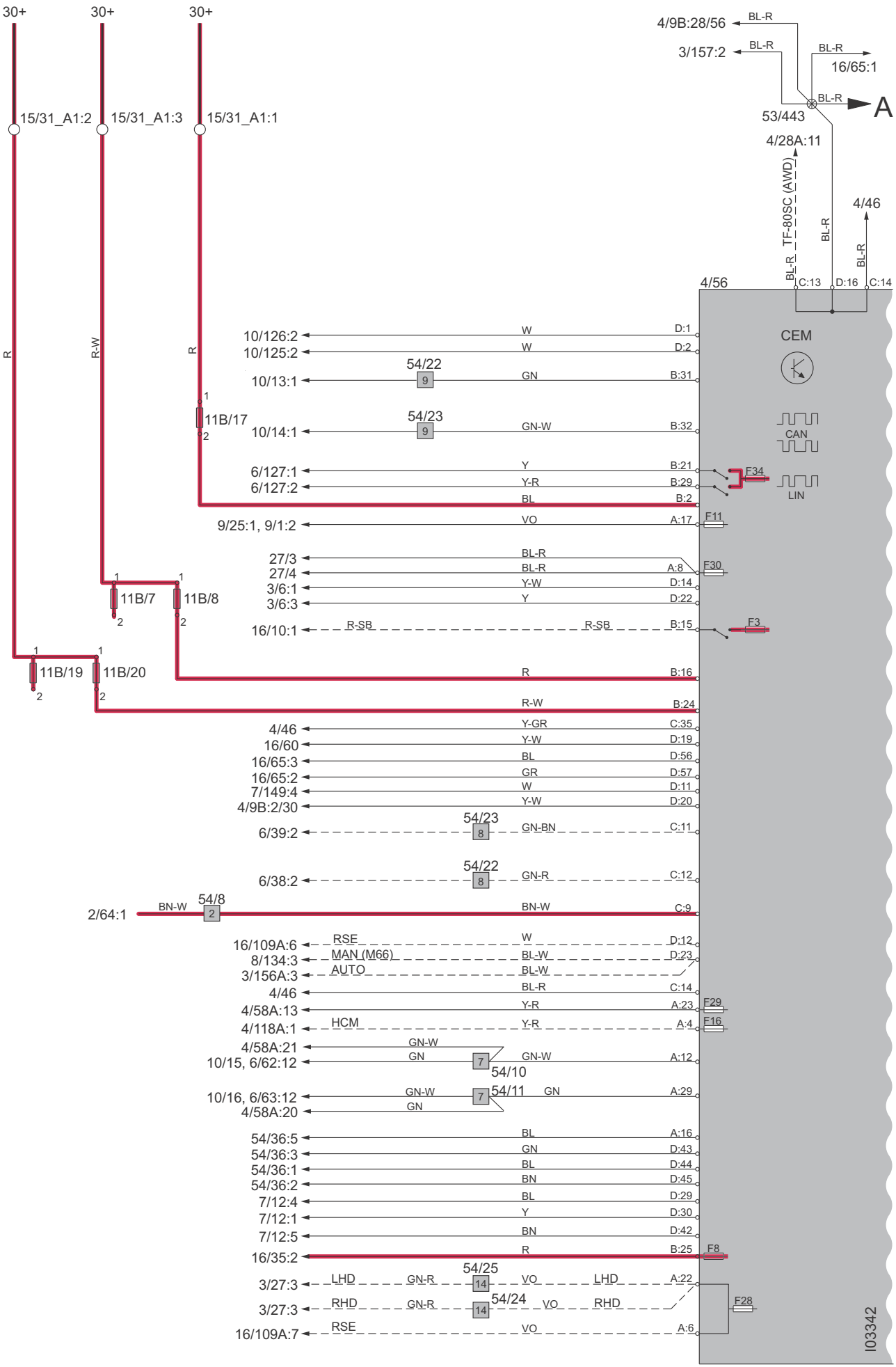


I013031

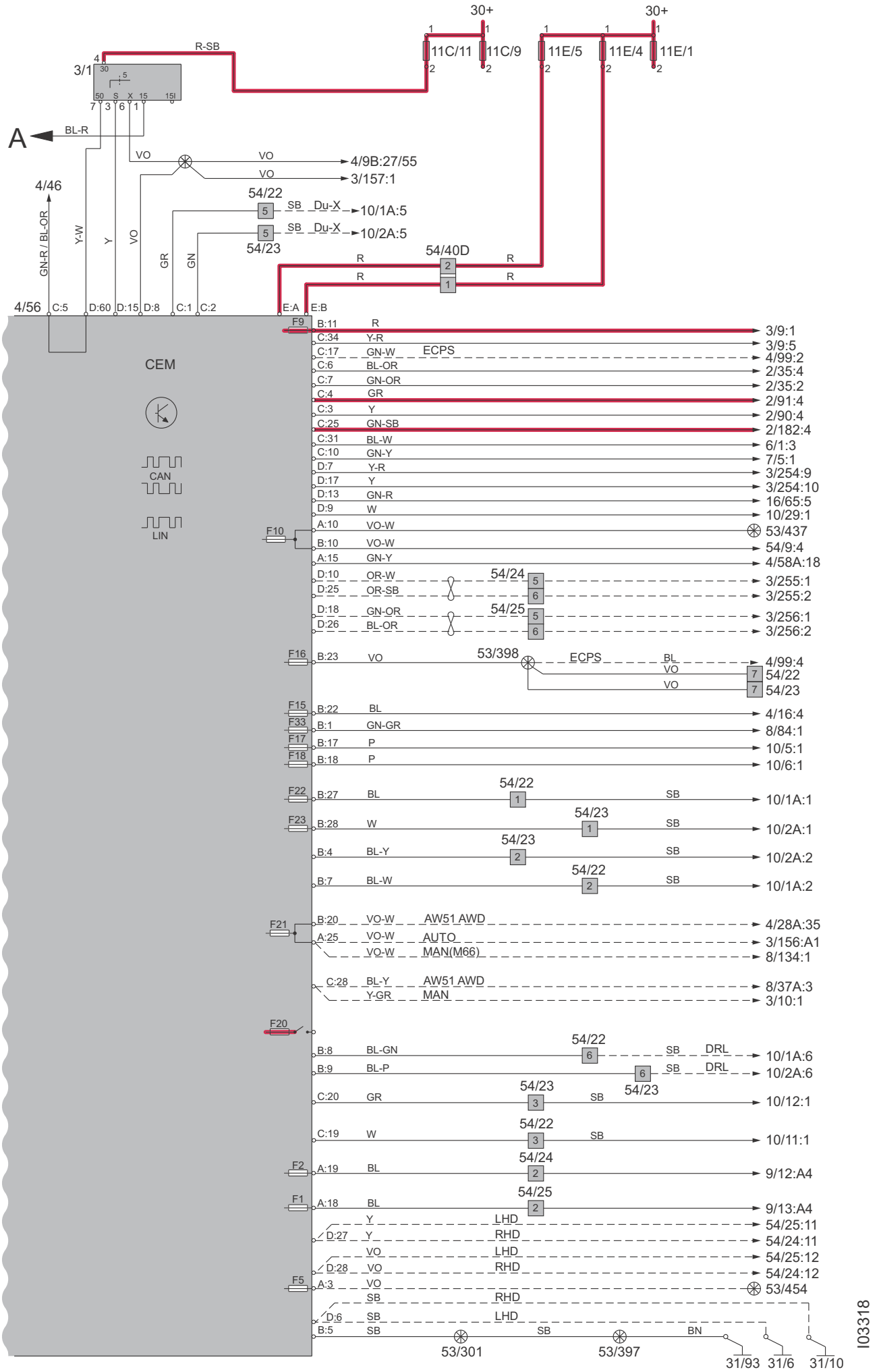
Control modules
Overview designations

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)
BPM	16/147	Bluetooth Phone Module (BPM)
BSC	7/164	Body Sensor Cluster Stability Sensor (BSC)
CCM	3/112	Climate control module (CCM)
CEM	4/56	Central Electronic Module (CEM)
CPM	4/7	Combustion Preheater Module (CPM)
DDM/PDM	3/126	Driver/Passenger Door Module (DDM)/(PDM)
DEM	4/82	Differential Electronic Module (DEM)
DIM	5/1	Driver Information Module (DIM)
DMM		Damper Motor Module (DMM) -6/48 Damper Motor Module (DMM), recirculation -6/69 Damper Motor Module (DMM), ventilation/floor/defroster -6/95 Damper Motor Module (DMM), temperature, left side -6/96 Damper Motor Module (DMM), temperature, right side -6/102 Damper Motor Module (DMM), defroster -6/103 Damper Motor Module (DMM), floor/ventilation
ECM	4/46	Engine Control Module (ECM)
GSM	3/156	Gear Selector Module (GSM)
HCM	4/118	Headlamp Control Module (HCM)
IAM	16/1	Integrated Audio Module (IAM)
IMS	7/199	Ultrasonic sensor (IMS)
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 (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
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

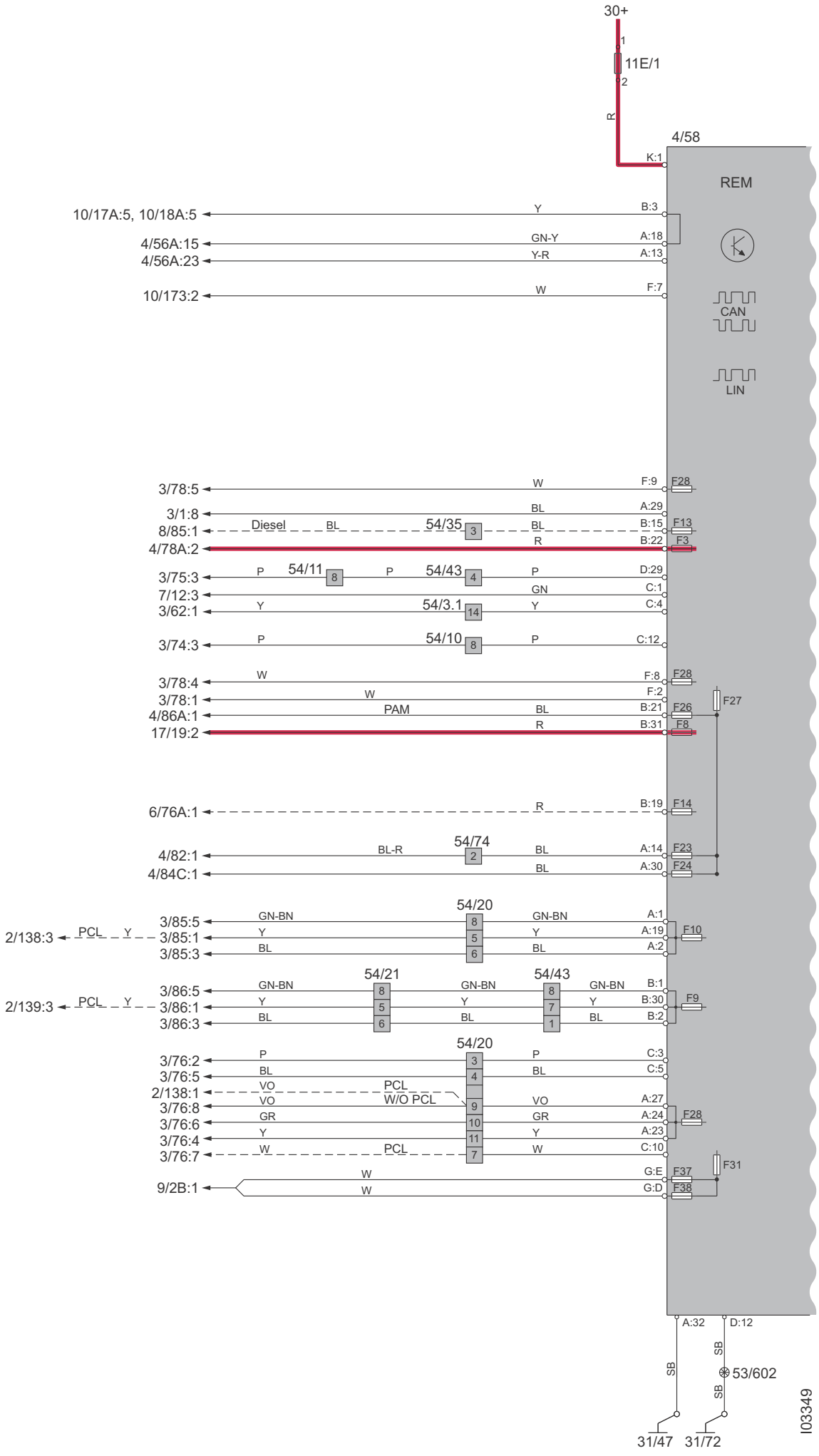
Control modules
Central electronic module (CEM) 1:2



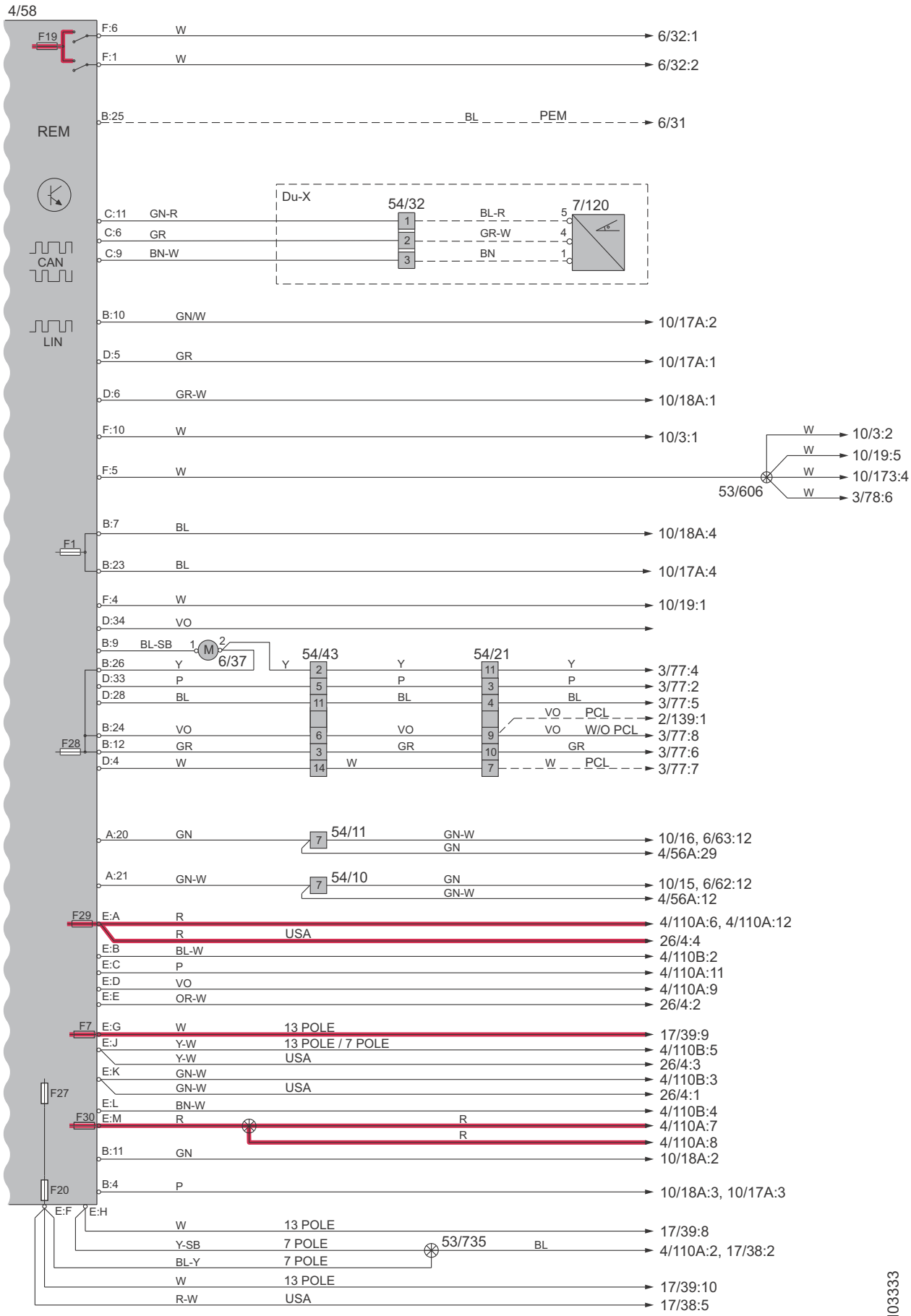
Control modules
Central electronic module (CEM) 2:2



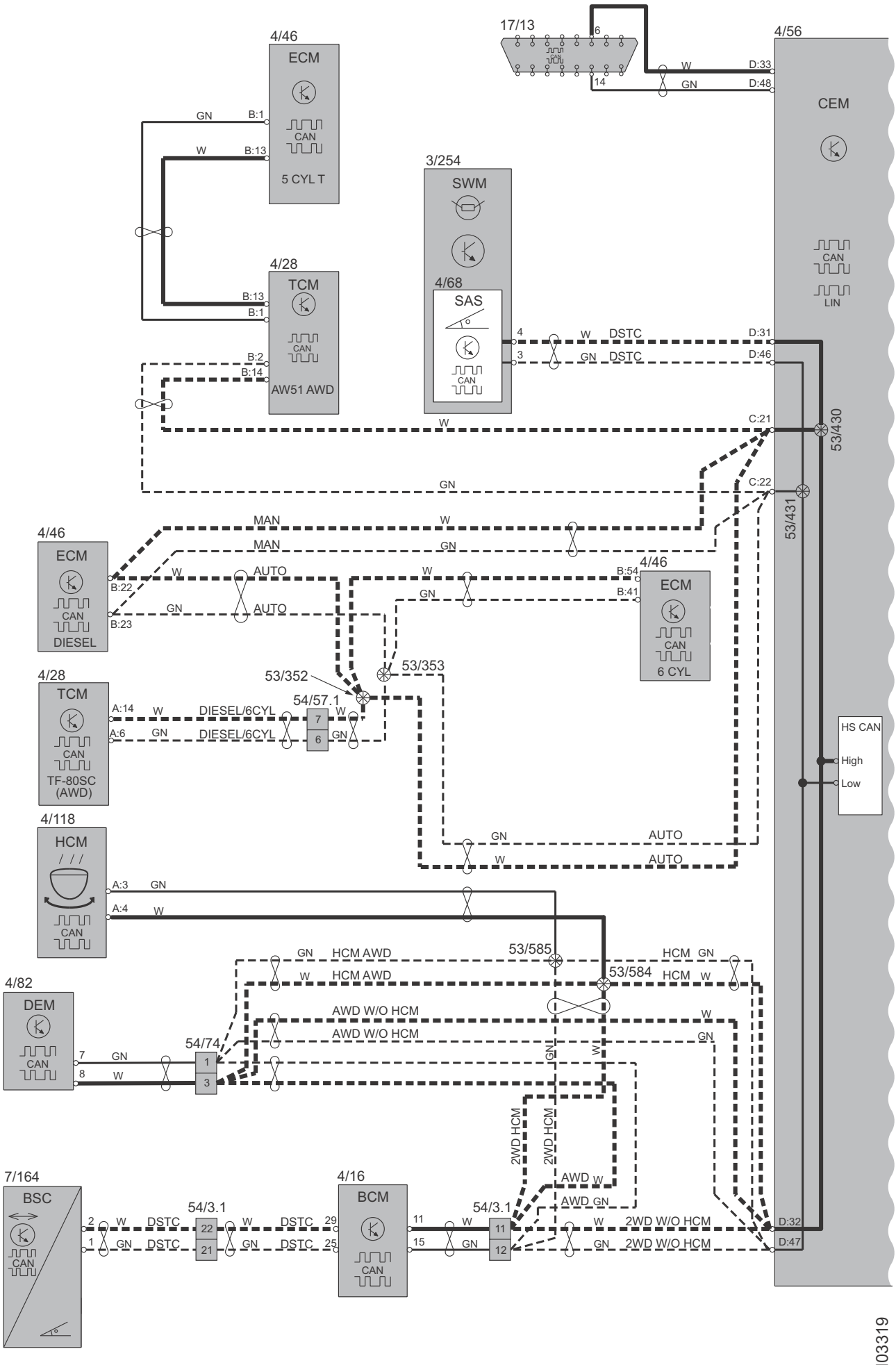
Control modules
Rear Electronic Module (REM) 1:2



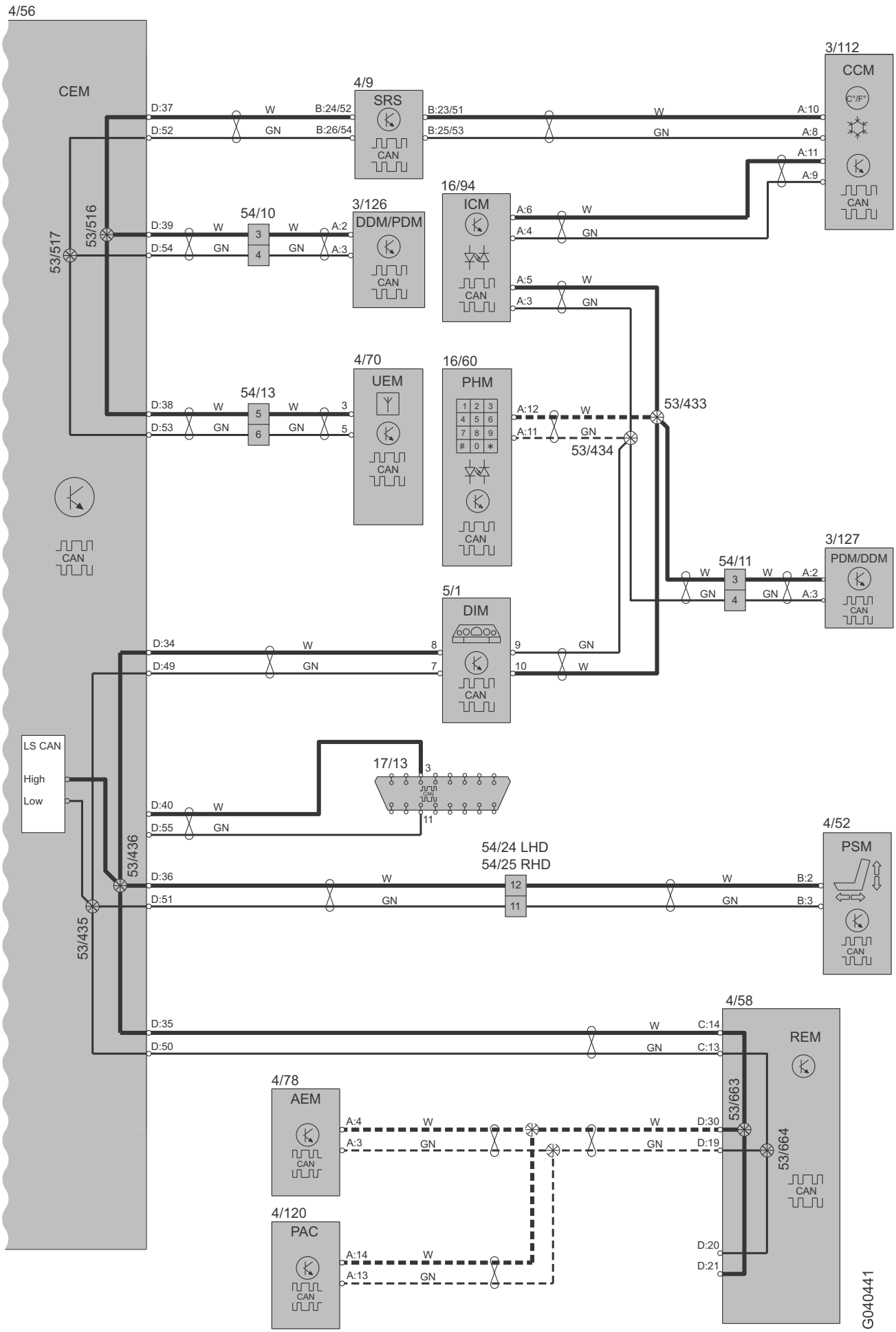
Control modules
Rear Electronic Module (REM) 2:2



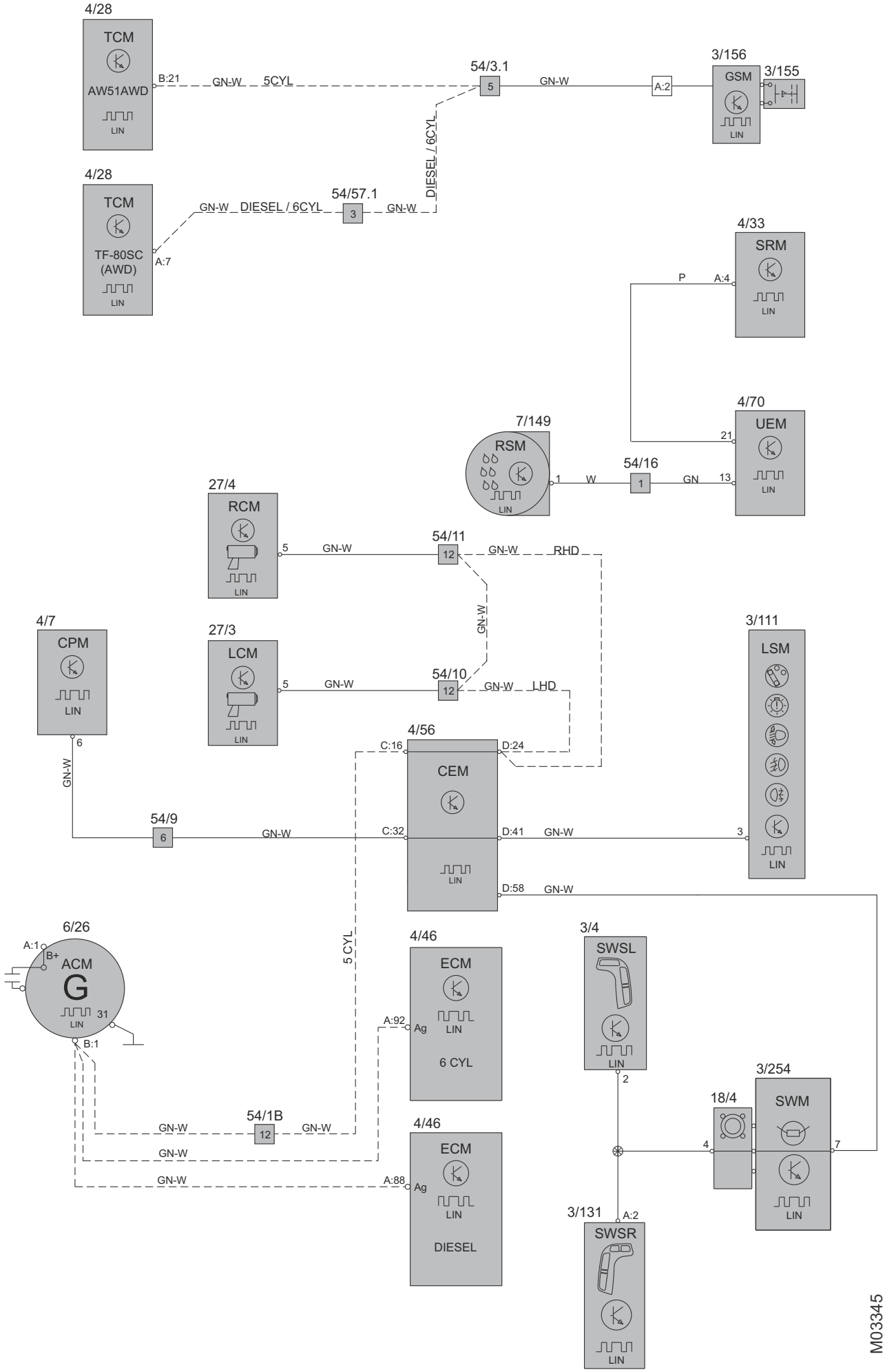
Control modules
Data communication High speed CAN



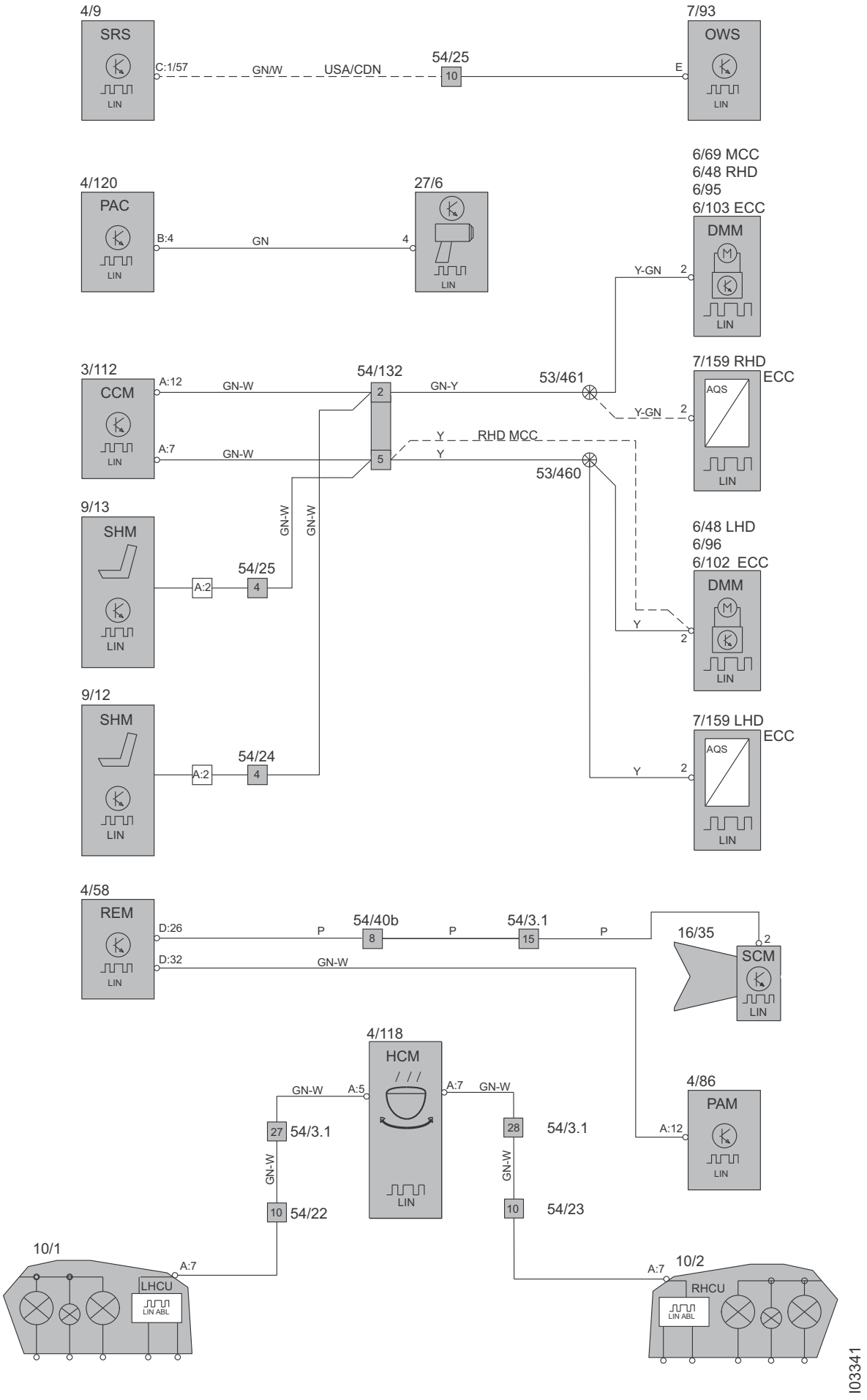
Control modules
Data communication Low speed CAN



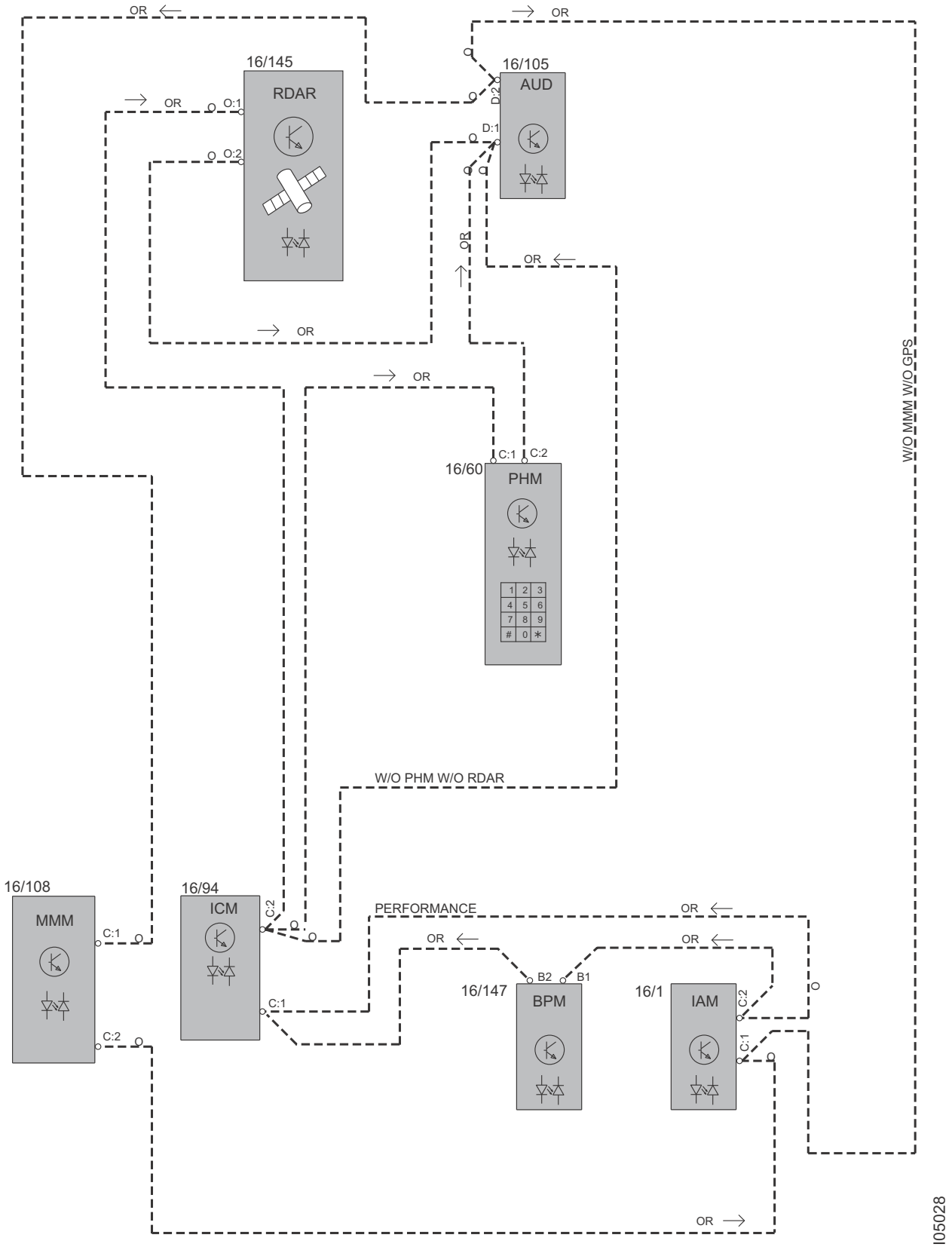
Control modules
Data communication, LIN 1:2



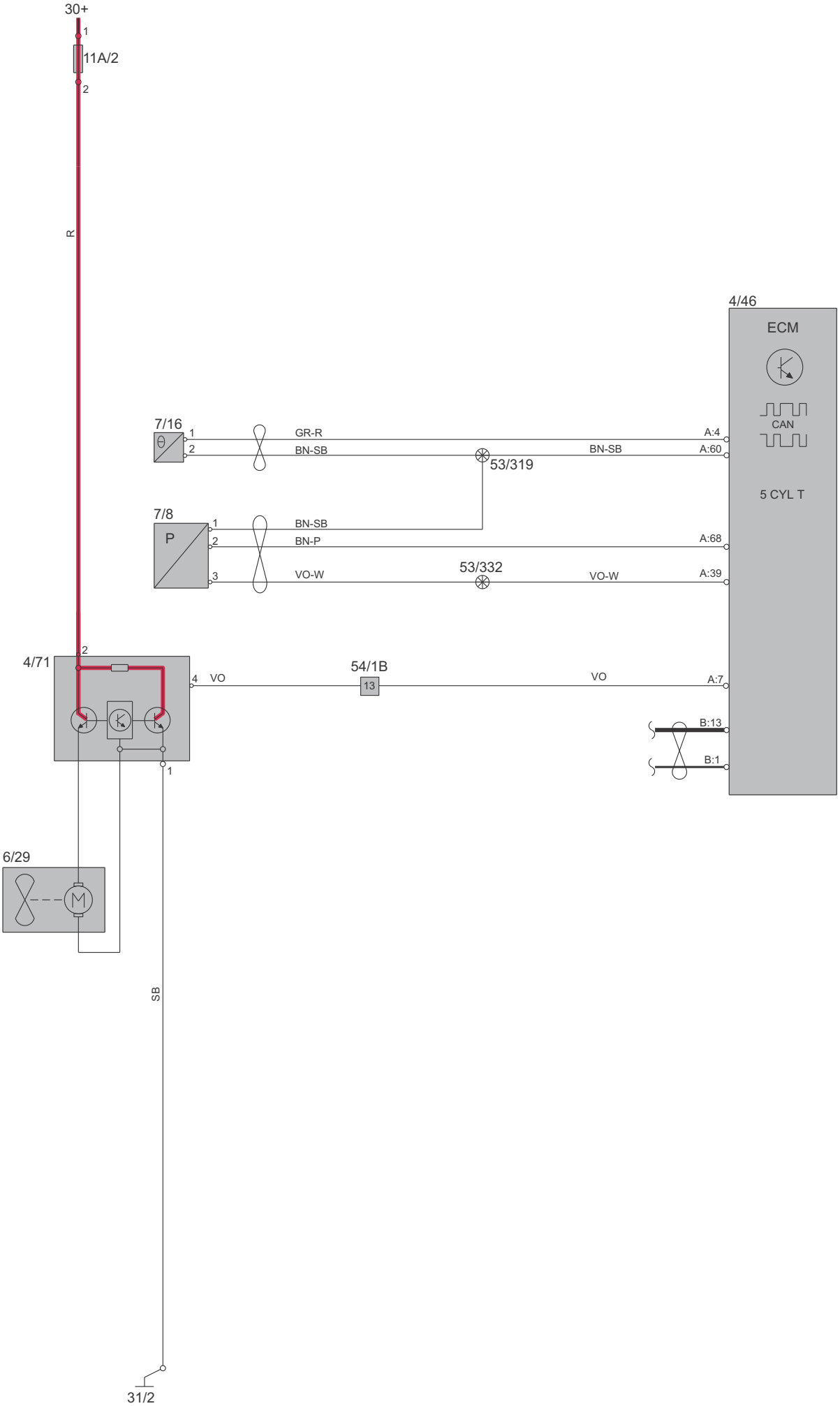
Control modules
Data communication, LIN 2:2



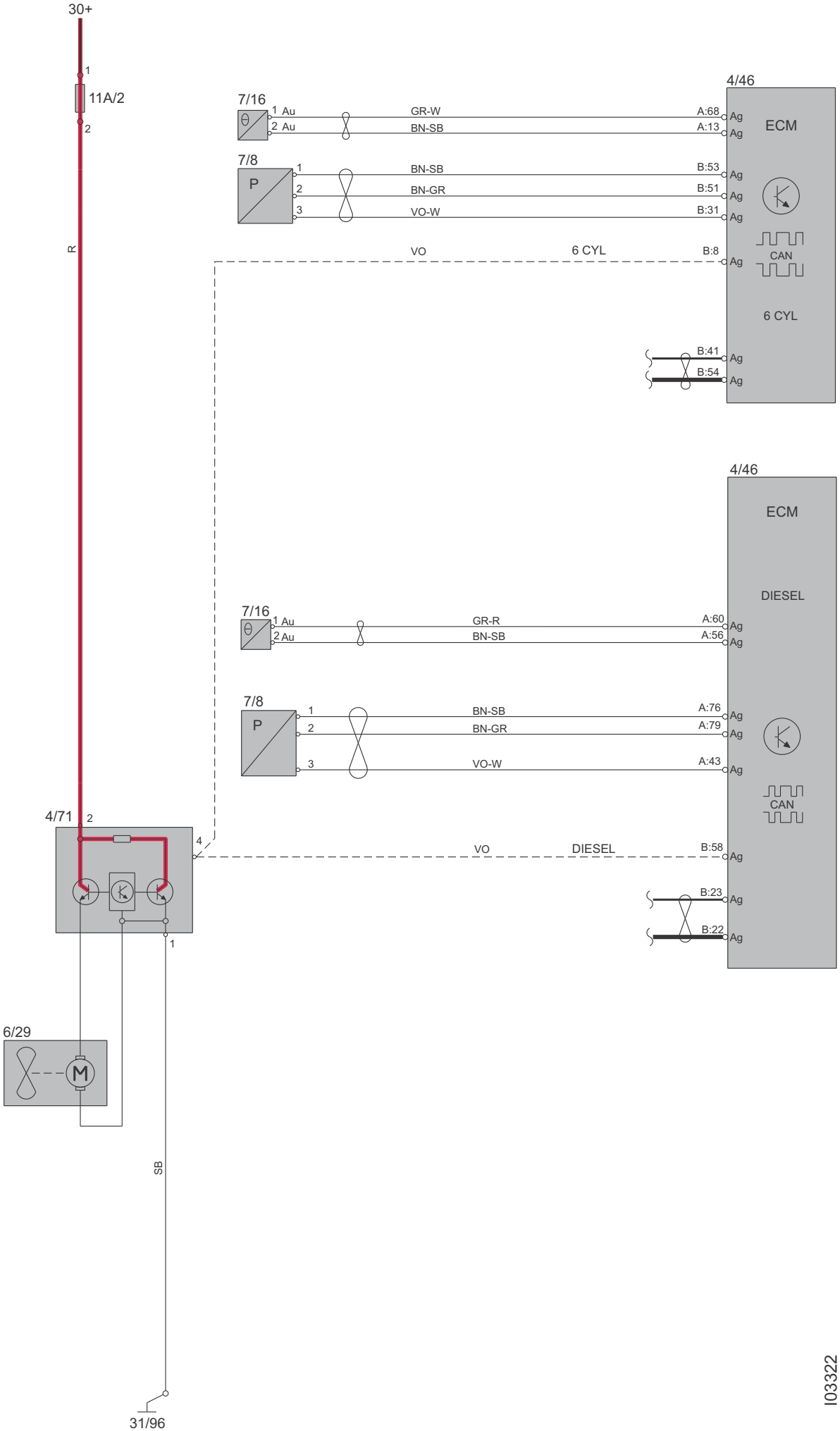
Control modules
Data communication MOST



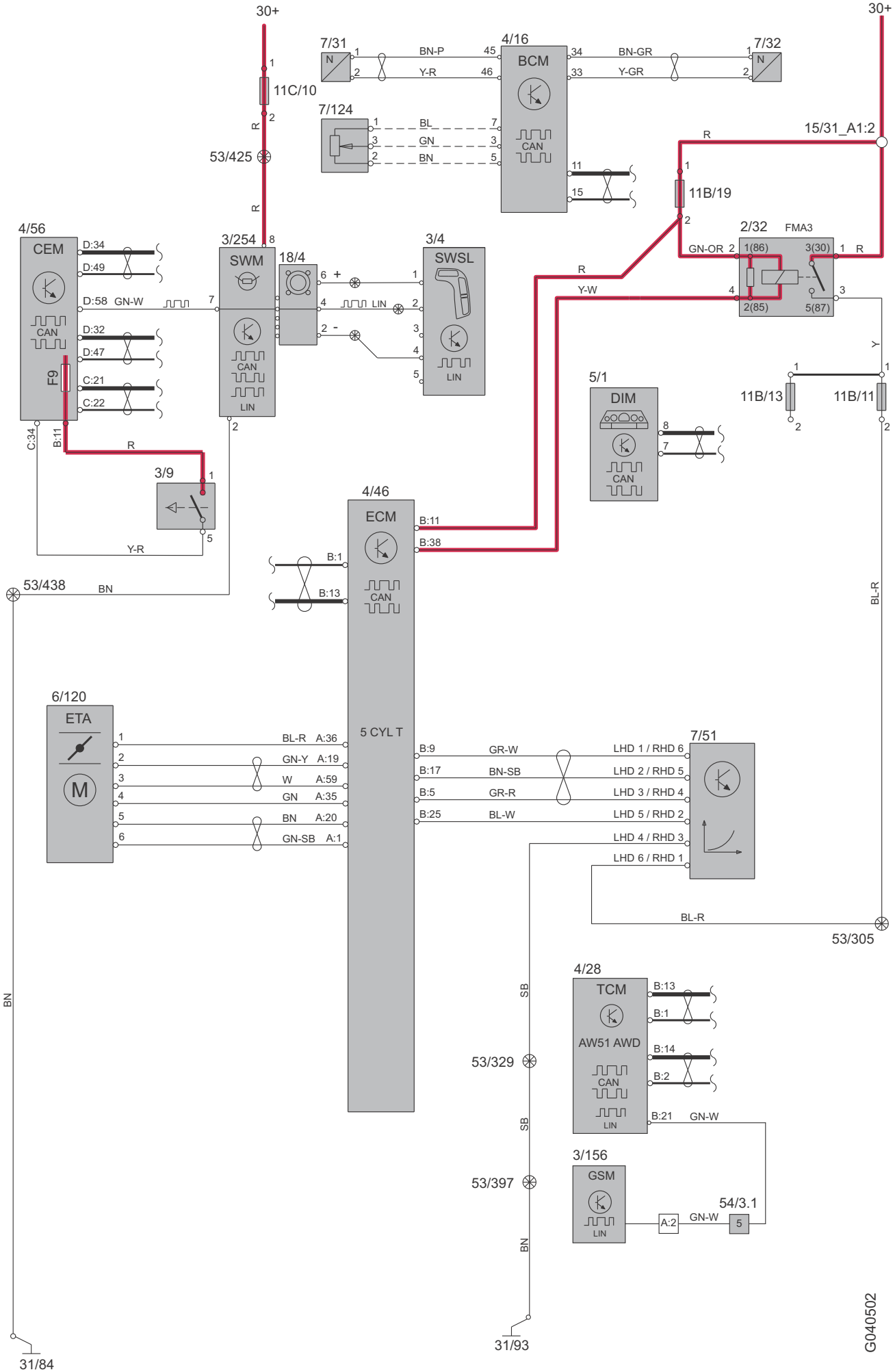
Group 26 Cooling system
Cooling fan 5-Cyl.

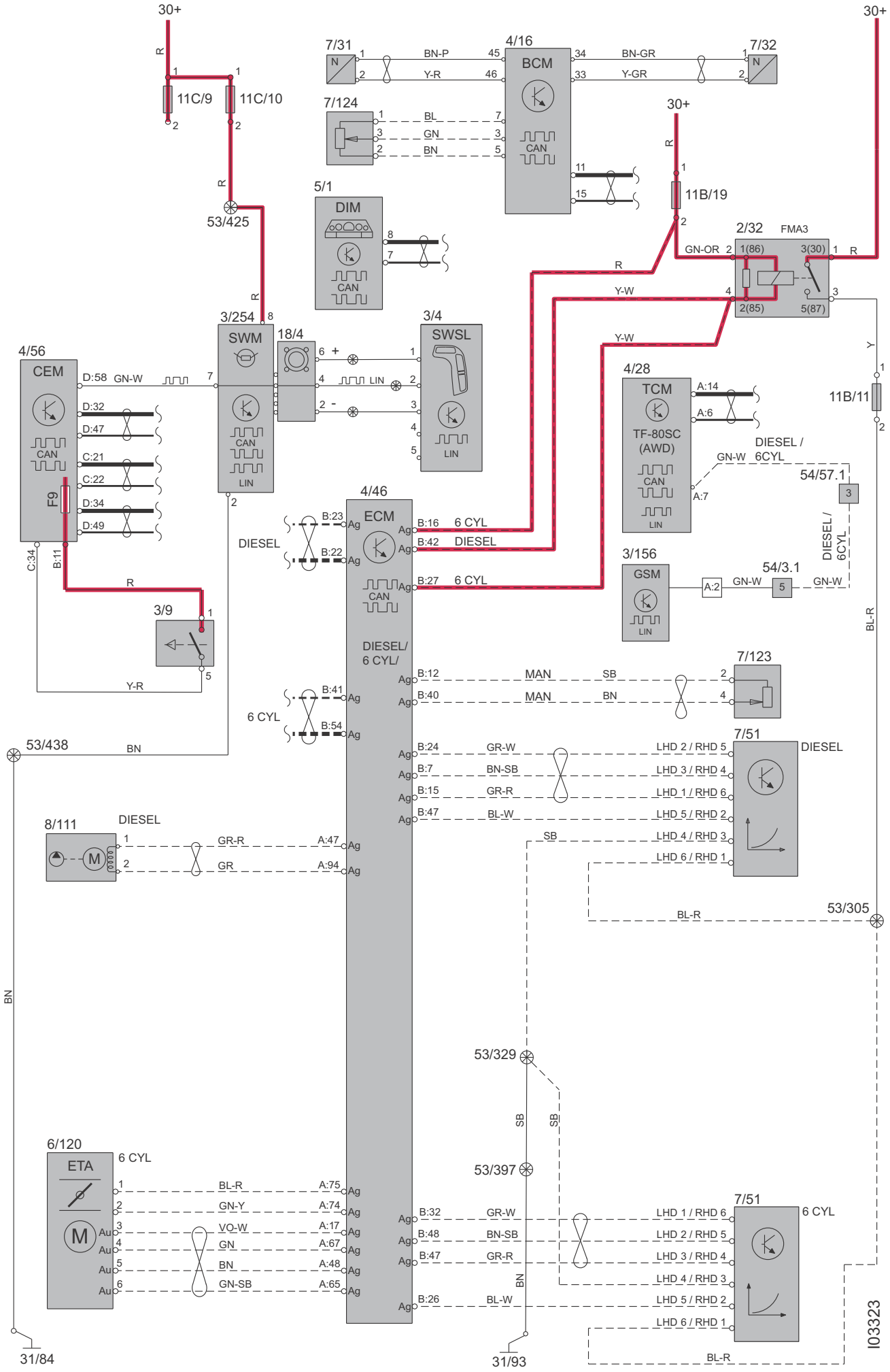


Group 26 Cooling system
Cooling fan 5-Cyl. Diesel & 6-Cyl.



Group 27 Engine controls
Cruise control 5-Cyl.

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Y-R
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BCM
BN-GR
Y-GR
7/32
7/124
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GN
BN
CAN
30+
11B/19
5/1
DIM
2/32
FMA3
GN-OR
1(86)
3(30)
2(85)
5(87)
R
Y-W
3/254
SWM
18/4
3/4
SWSL
LIN
4/56
CEM
D:58 GN-W
D:32
D:47
C:21
C:22
D:34
D:49
F9
C:34
B:11
3/9
Y-R
4/28
TCM
TF-80SC
(AWD)
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A:6
A:7
DIESEL / 6CYL
GN-W
54/57.1
11B/11
Y
BL-R
4/46
ECM
B:23
B:22
DIESEL
B:16 6 CYL
B:42 DIESEL
B:27 6 CYL
3/156
GSM
A:2
GN-W
54/3.1
DIESEL/ 6CYL
DIESEL/
6 CYL/
7/123
B:12 MAN SB
B:40 MAN BN
B:41
B:54
6 CYL
53/438
BN
7/51
DIESEL
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B:7 BN-SB
B:15 GR-R
B:47 BL-W
LHD 2 / RHD 5
LHD 3 / RHD 4
LHD 1 / RHD 6
LHD 5 / RHD 2
LHD 4 / RHD 3
LHD 6 / RHD 1
SB
8/111
DIESEL
GR-R
GR
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A:94
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53/397
6/120
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GN-Y
VO-W
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BN
GN-SB
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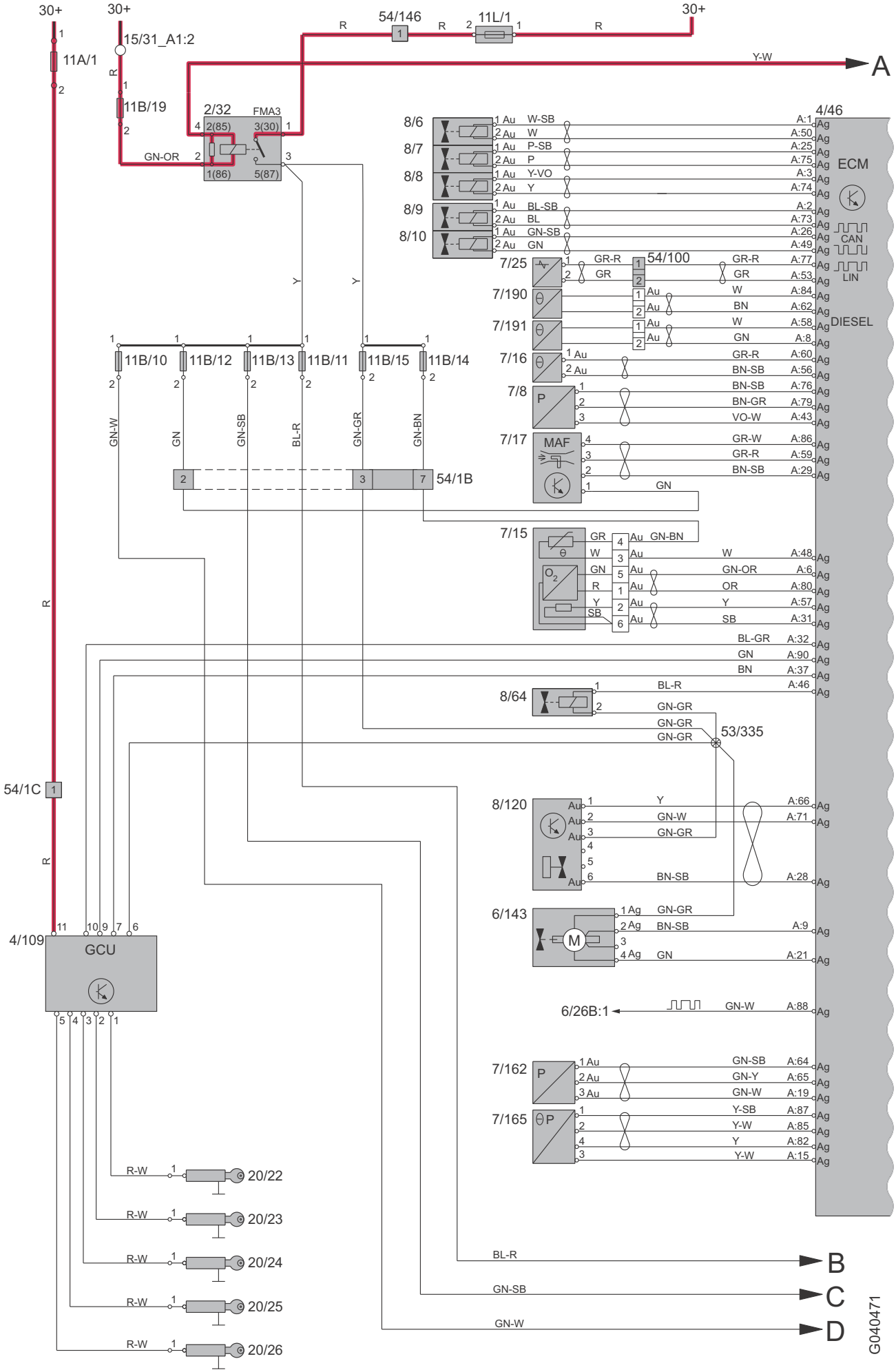
31/84
31/93
I03323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11B/19
54/146
11L/1
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Y-W
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FMA3
GN-OR
4/46
ECM
CAN
LIN
DIESEL
8/6
8/7
8/8
8/9
8/10
7/25
7/190
7/191
7/16
7/8
7/17
7/15
54/100
11B/10
11B/12
11B/13
11B/11
11B/15
11B/14
54/1B
GN-W
GN
GN-SB
BL-R
GN-GR
GN-BN
8/64
53/335
54/1C
8/120
6/143
4/109
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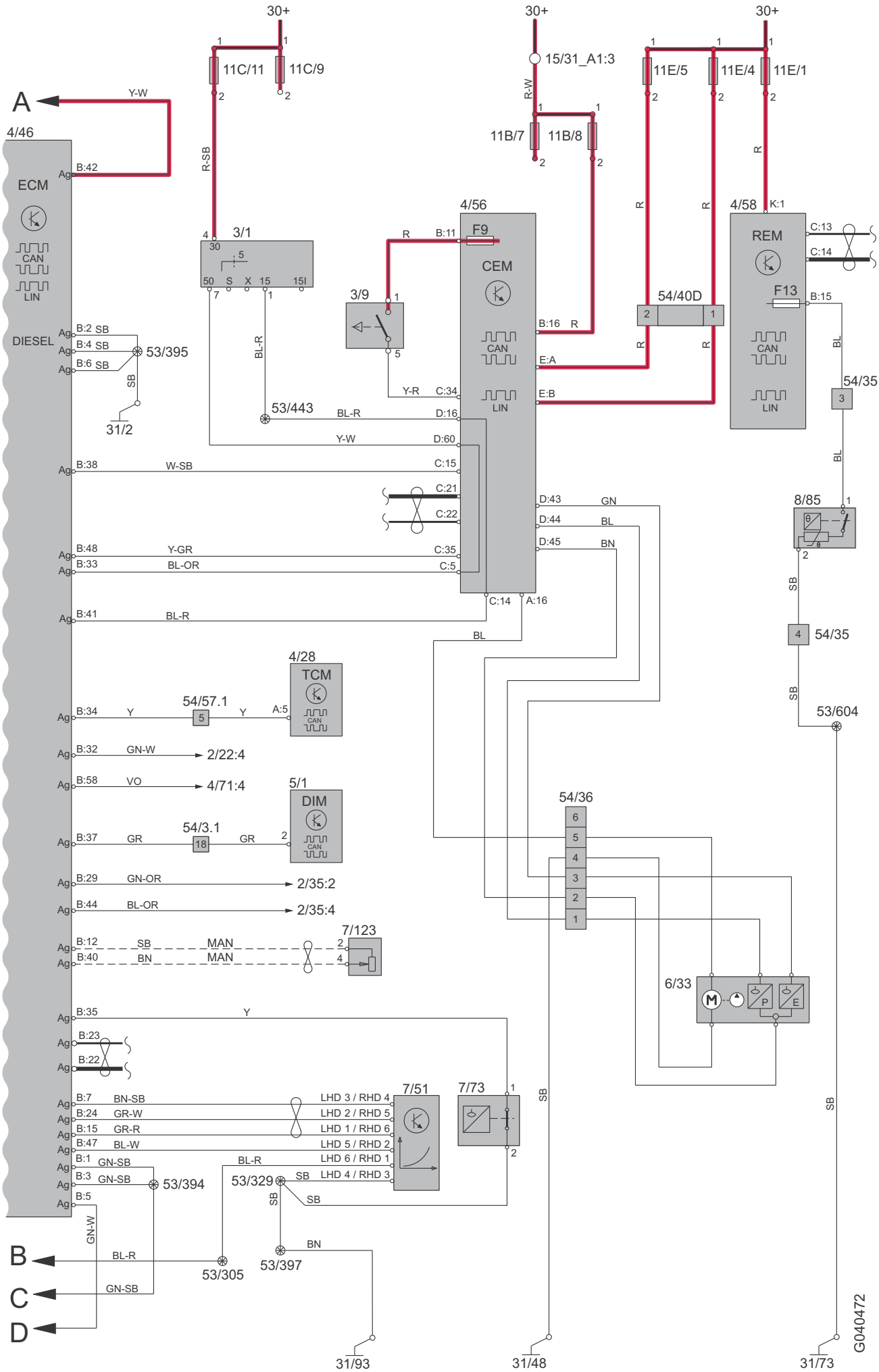
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Y-W
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CAN
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DIESEL
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B:4 SB
B:6 SB
53/395
SB
31/2
3/1
30
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7
1
BL-R
53/443
3/9
R
B:11
4/56
F9
CEM
B:16 R
E:A
E:B
Y-R
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BL-R
D:16
Y-W
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W-SB
C:15
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C:22
B:48
Y-GR
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B:41
BL-R
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11B/8
11E/5
11E/4
11E/1
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54/40D
4/58
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BN
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Y
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GN-W
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5/1
DIM
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GR
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18
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GN-OR
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B:44
BL-OR
2/35:4
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B:12
SB
MAN
B:40
BN
6/33
B:35
Y
B:23
B:22
7/51
7/73
B:7
BN-SB
LHD 3 / RHD 4
B:24
GR-W
LHD 2 / RHD 5
B:15
GR-R
LHD 1 / RHD 6
B:47
BL-W
LHD 5 / RHD 2
B:1
GN-SB
LHD 6 / RHD 1
B:3
GN-SB
53/394
LHD 4 / RHD 3
B:5
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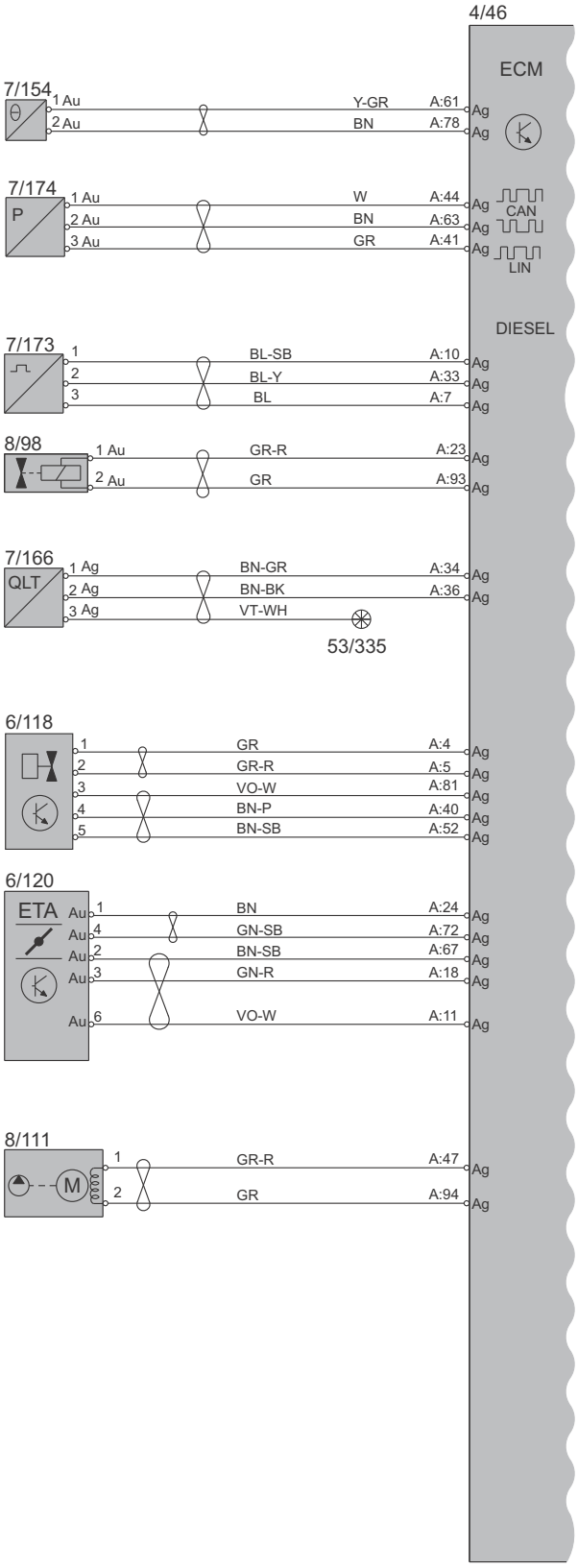
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7/154
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BL
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8/98
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2 Au
GR-R
GR
A:23
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7/166
QLT
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2 Ag
3 Ag
BN-GR
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A:36
53/335
6/118
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4
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GR
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VO-W
BN-P
BN-SB
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ETA
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GN-R
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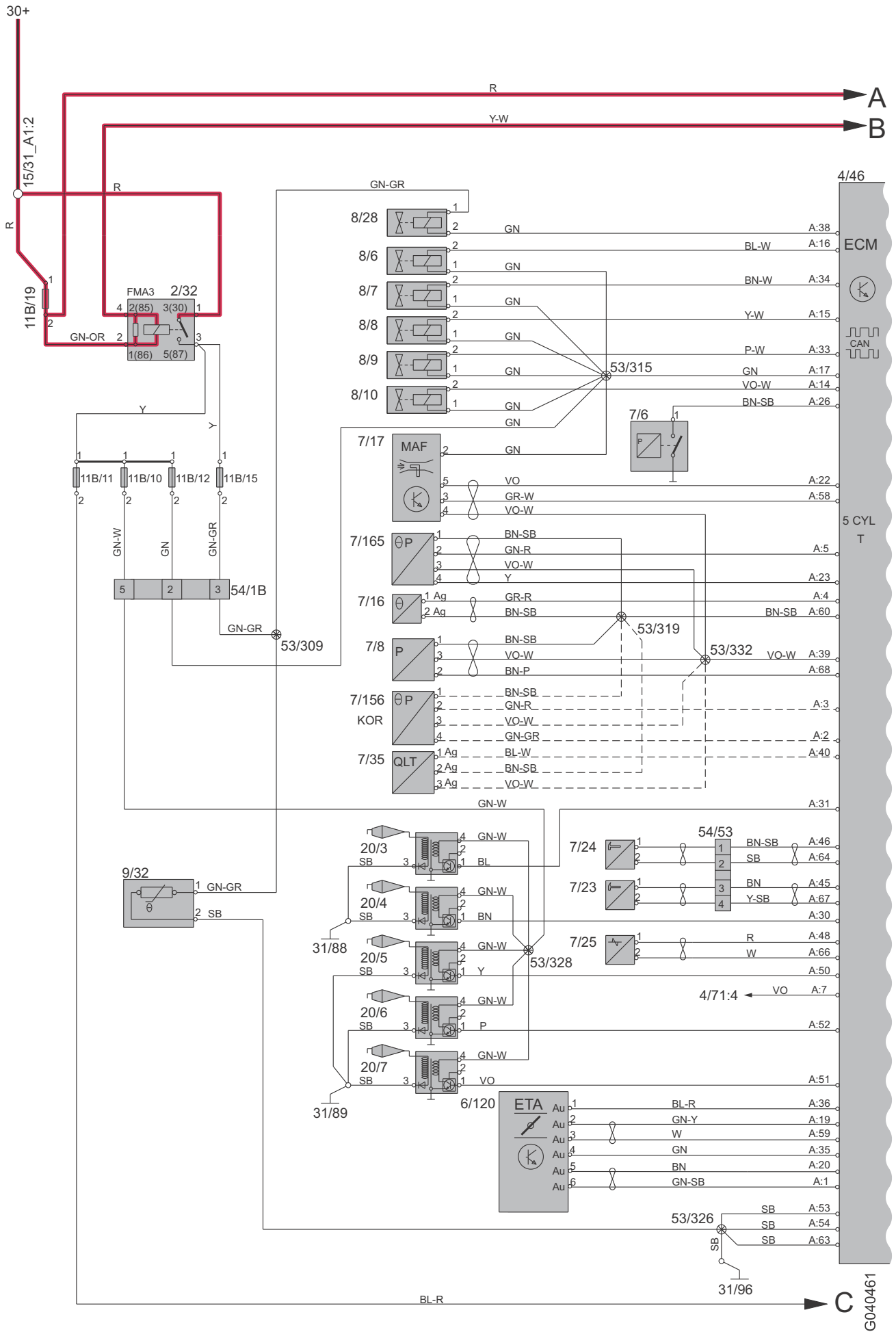
I03321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ECM
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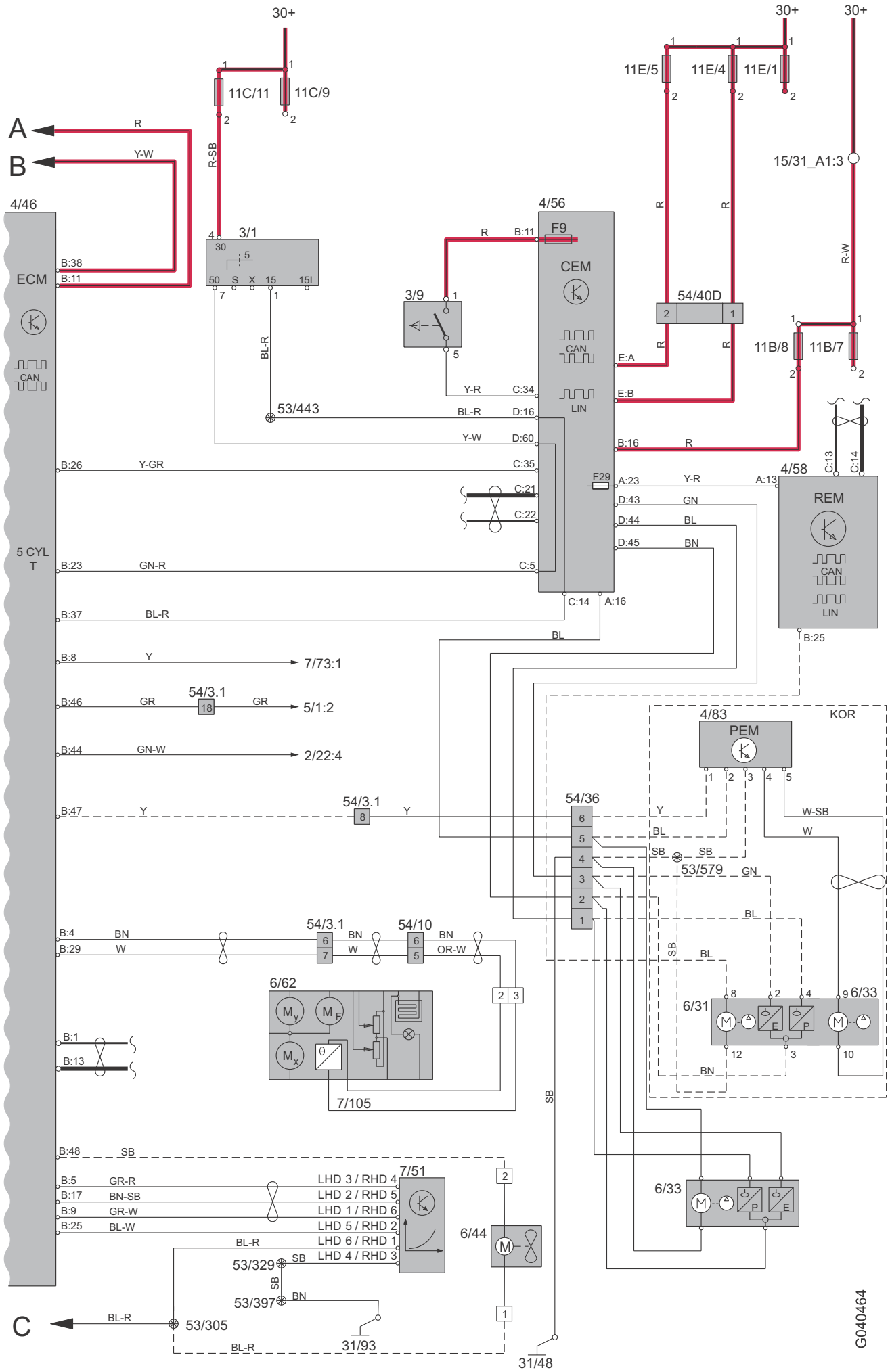
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BL-R
53/443
4/56
F9
CEM
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B:23
GN-R
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B:37
BL-R
C:14
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F29
E:A
E:B
B:16
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11E/5
11E/4
11E/1
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GN-W
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4/83
KOR
PEM
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SB
53/579
GN
B:4
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7/105
54/10
OR-W
6/31
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SB
7/51
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GR-R
B:17
BN-SB
B:9
GR-W
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BL-W
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LHD 2 / RHD 5
LHD 1 / RHD 6
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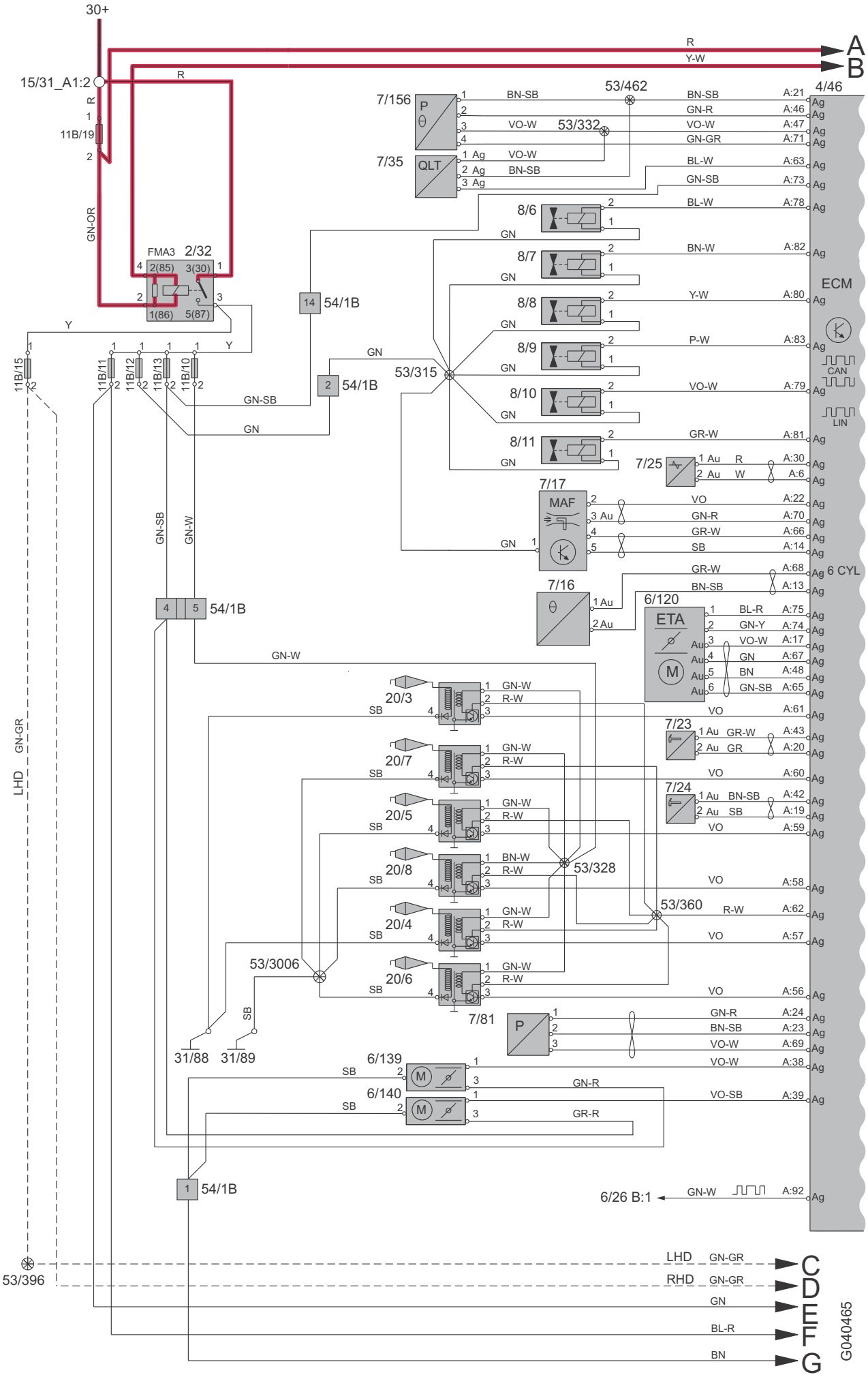
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4 5 54/1B
1 54/1B
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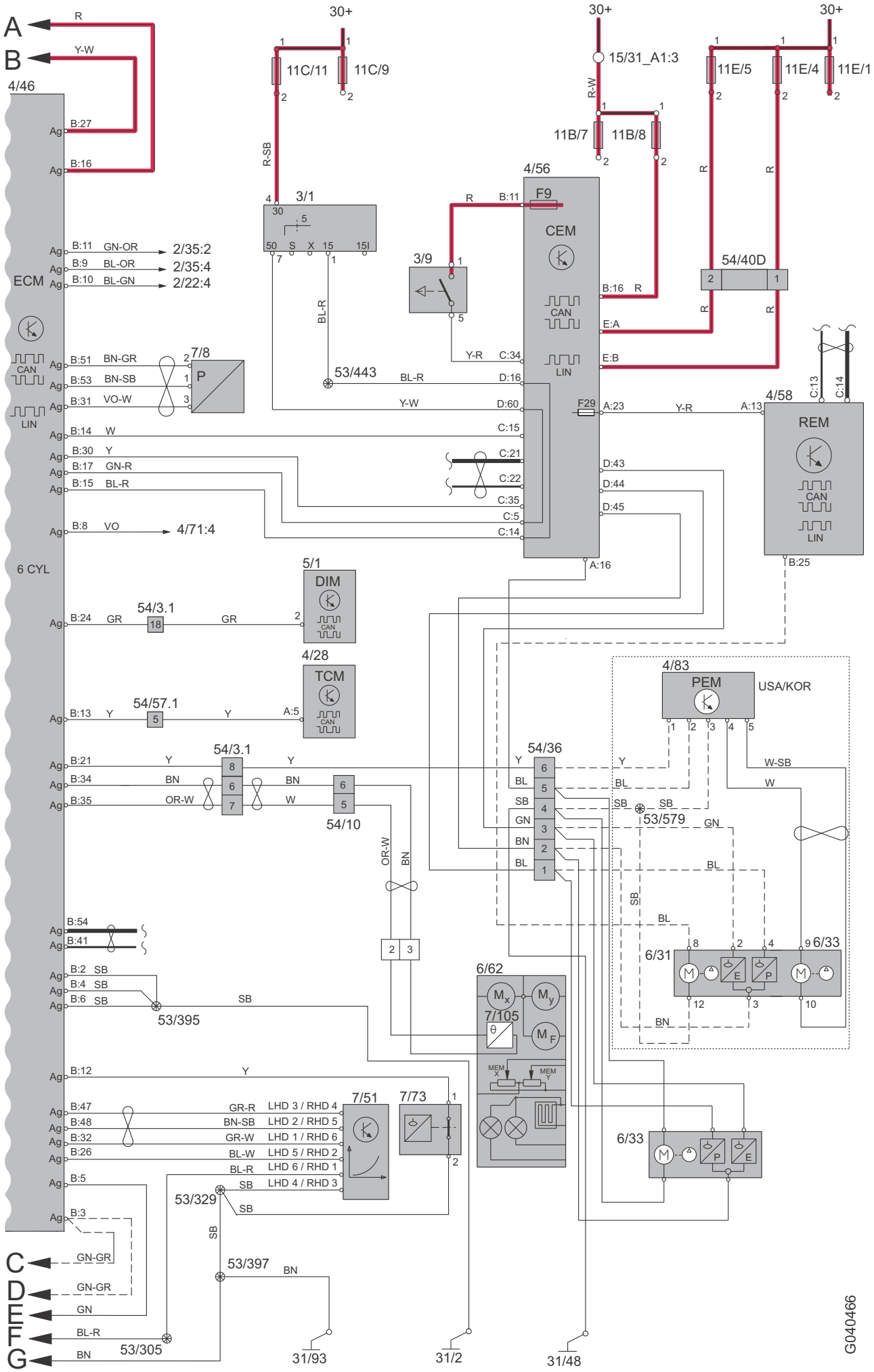
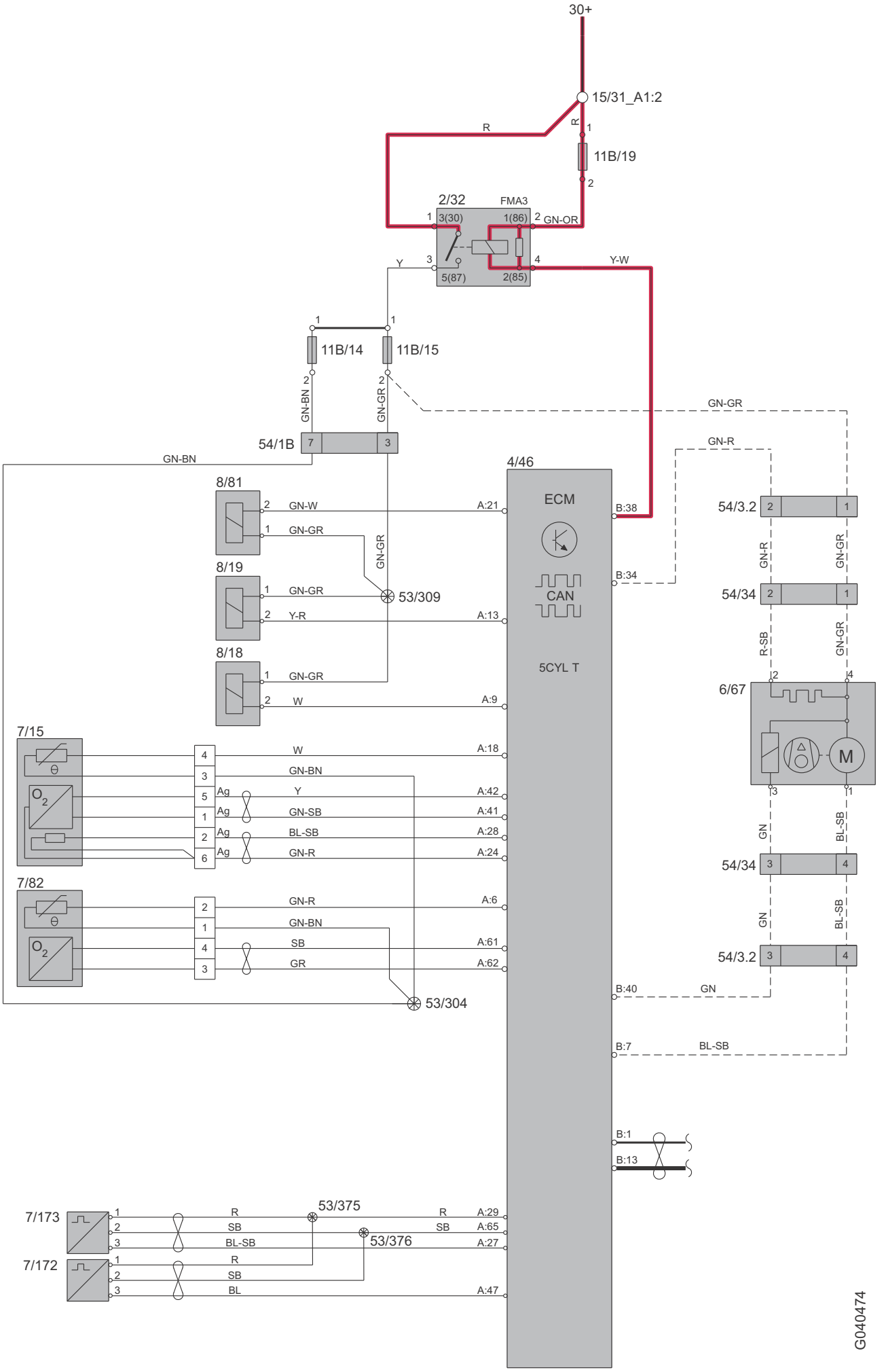
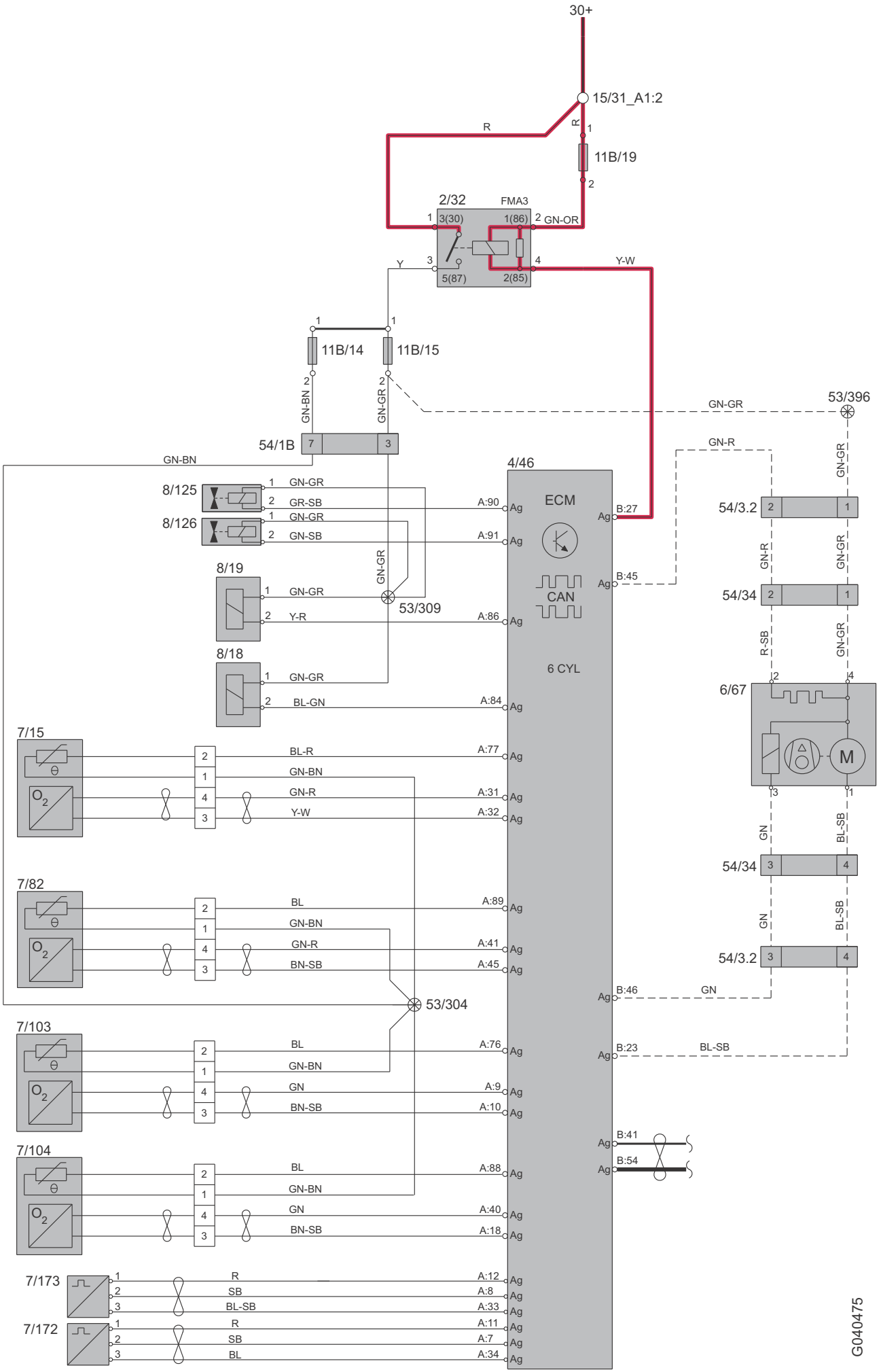
7/23
7/24
7/81
6/139
6/140
31/88
31/89
ECM
CAN
LIN
6 CYL
4/46
6/26 B:1
LHD
RHD
A
B
C
D
E
F
G
G040465

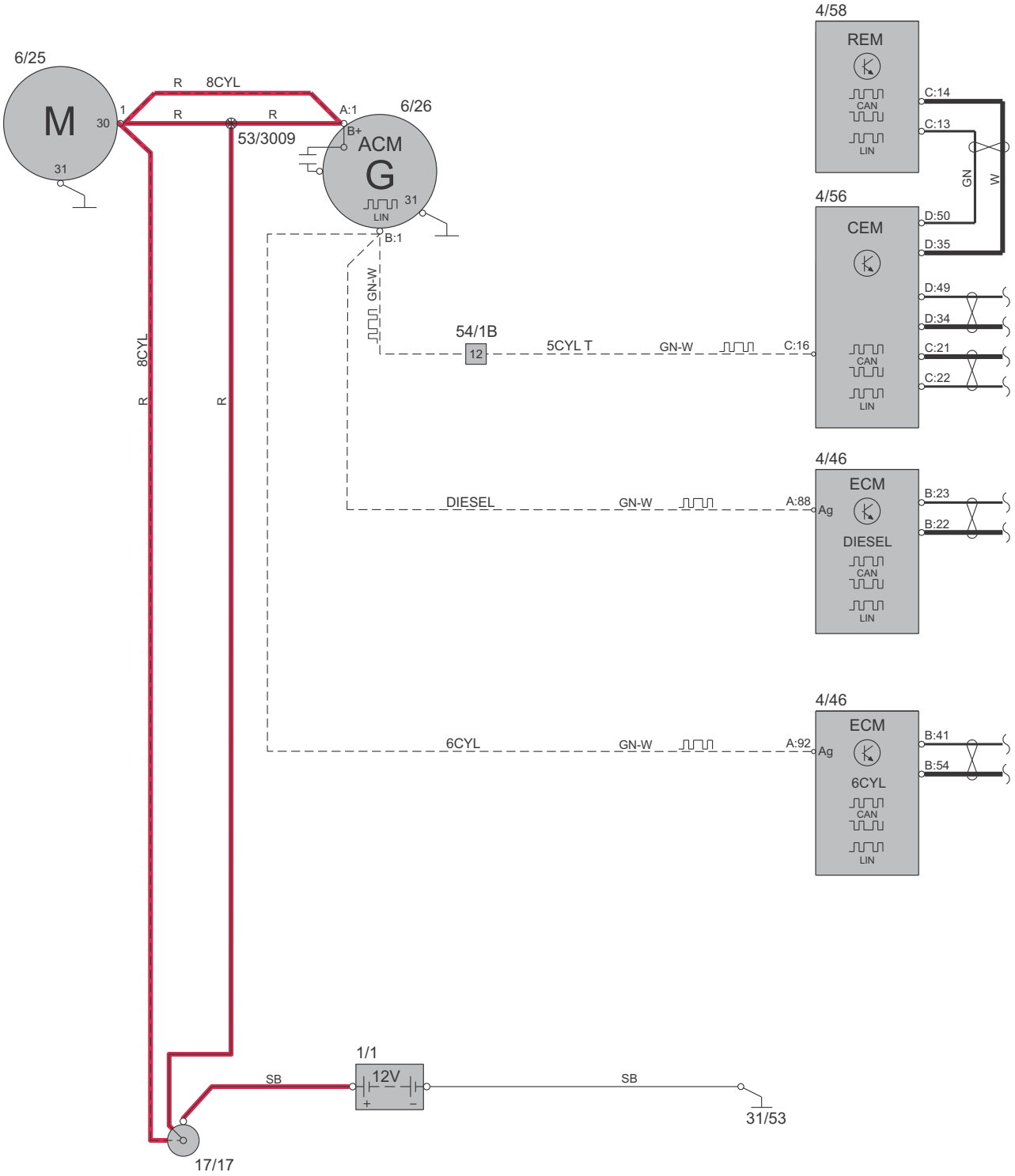
Group 28 Ignition and control system
Engine management system, 6-Cyl. 2:2




30+
15/31_A1:2
R
R
1
11B/19
2
2/32
FMA3
1
3(30)
1(86)
2
GN-OR
Y
3
4
Y-W
5(87)
2(85)
1
1
11B/14
11B/15
2
2
GN-BN
GN-GR
GN-GR
54/1B
7
3
GN-BN
GN-R
4/46
8/81
2
GN-W
A:21
ECM
B:38
54/3.2
2
1
1
GN-GR
GN-R
GN-GR
8/19
1
GN-GR
53/309
CAN
B:34
54/34
2
1
2
Y-R
A:13
R-SB
GN-GR
8/18
5CYL T
6/67
1
GN-GR
2
4
2
W
A:9
M
7/15
W
A:18
3
1
3
GN-BN
Ag
Y
A:42
5
Ag
GN-SB
A:41
1
Ag
BL-SB
A:28
2
Ag
GN-R
A:24
6
GN
BL-SB
54/34
3
4
7/82
2
GN-R
A:6
1
GN-BN
SB
A:61
4
GR
A:62
3
GN
BL-SB
54/3.2
3
4
B:40
GN
53/304
B:7
BL-SB
B:1
B:13
7/173
1
R
53/375
R
A:29
2
SB
SB
A:65
3
BL-SB
53/376
A:27
7/172
1
R
2
SB
3
BL
A:47
G040474

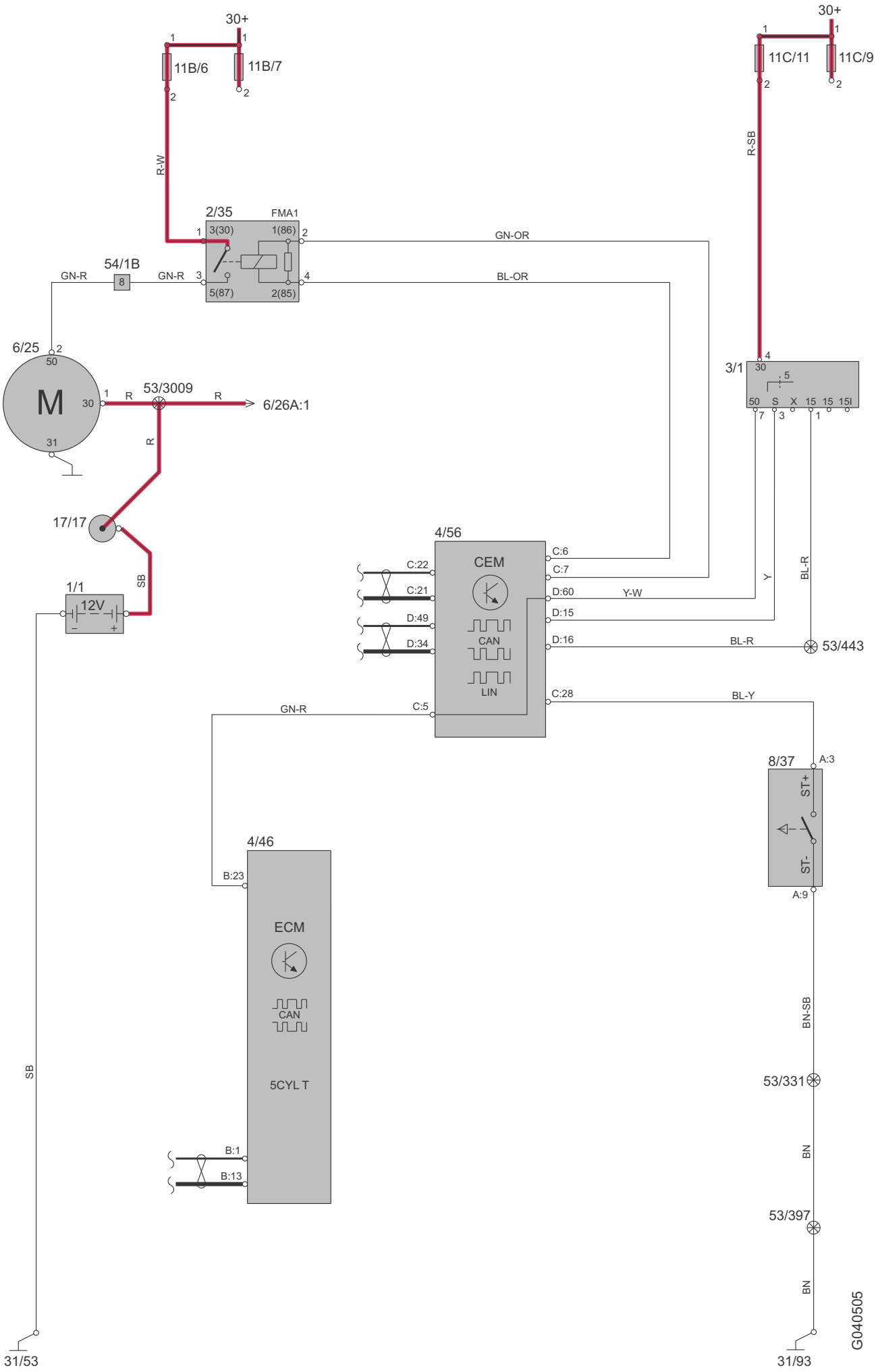

30+
15/31_A1:2
R
11B/19
2/32
FMA3
3(30)
1(86)
GN-OR
5(87)
2(85)
Y
Y-W
11B/14
11B/15
GN-BN
GN-GR
53/396
54/1B
4/46
ECM
CAN
6 CYL
8/125
8/126
8/19
8/18
53/309
7/15
7/82
7/103
7/104
7/173
7/172
53/304
54/3.2
54/34
6/67
M
GN-R
R-SB
GN
BL-SB
BL-R
BL
BN-SB
R
SB
BL
A:90
A:91
A:86
A:84
A:77
A:31
A:32
A:89
A:41
A:45
A:76
A:9
A:10
A:88
A:40
A:18
A:12
A:8
A:33
A:11
A:7
A:34
B:27
B:45
B:46
B:23
B:41
B:54
G040475

Group 32 Alternator and voltage regulator
Power supply

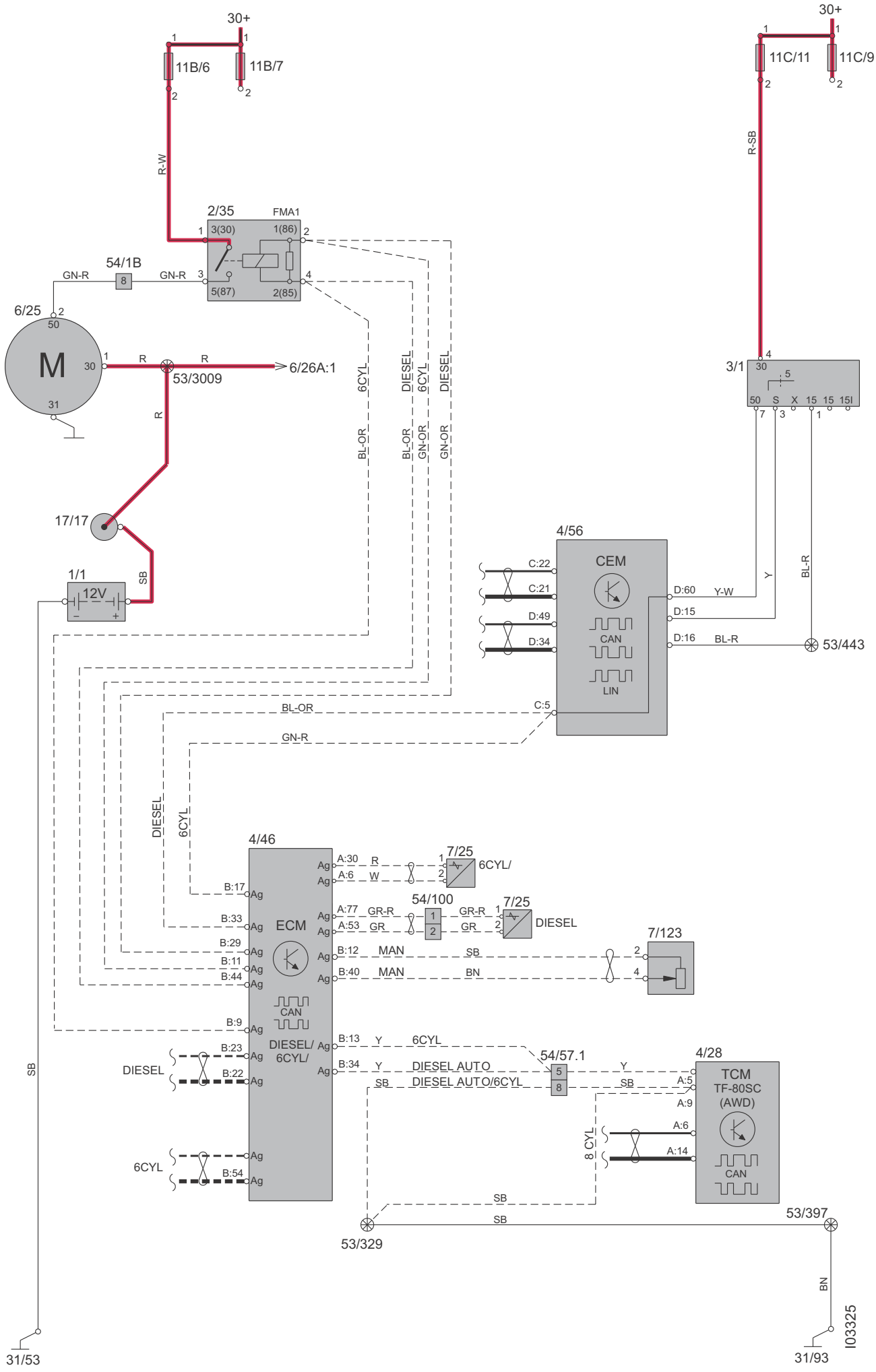


I03324

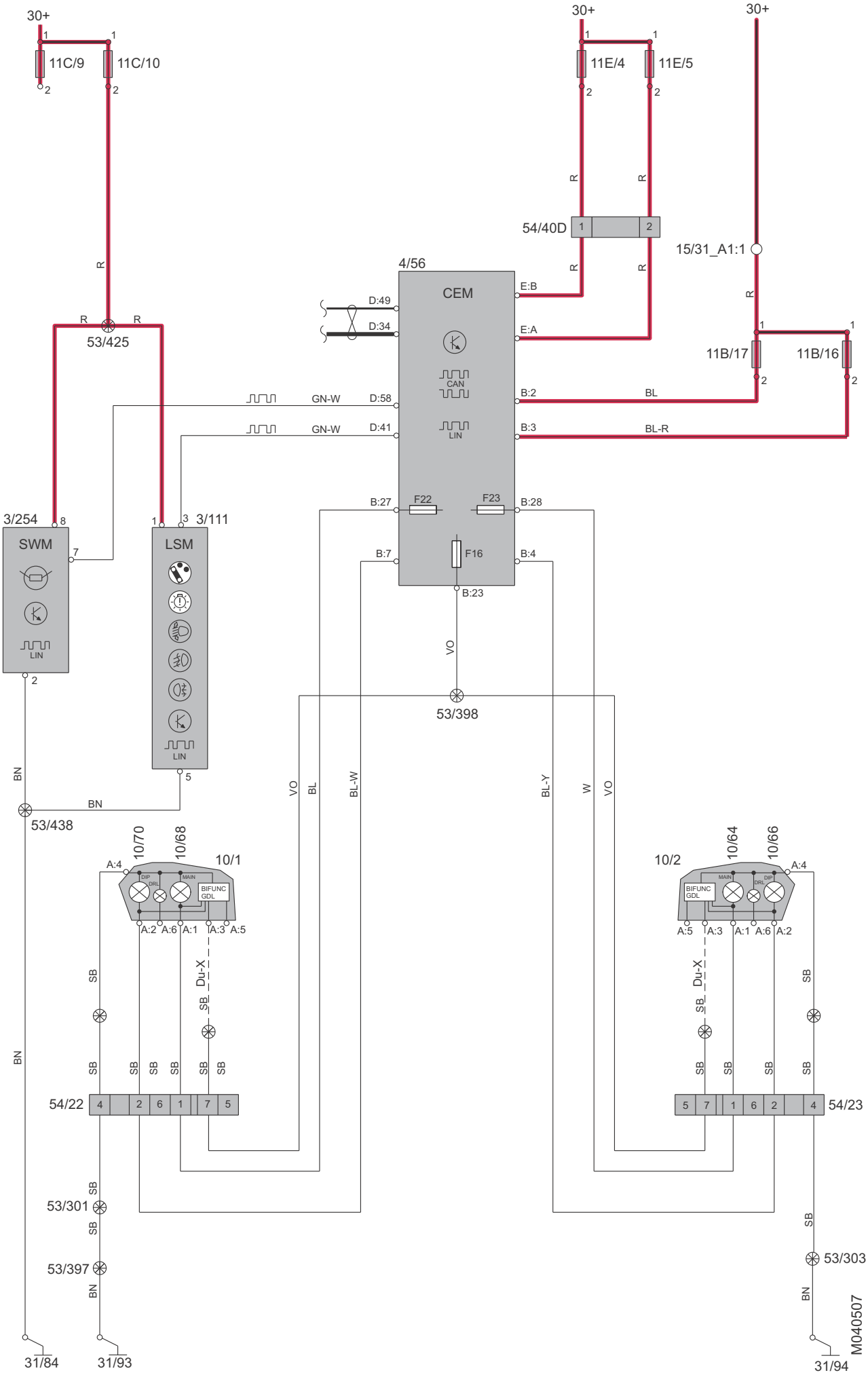
Starting system 5-Cyl.



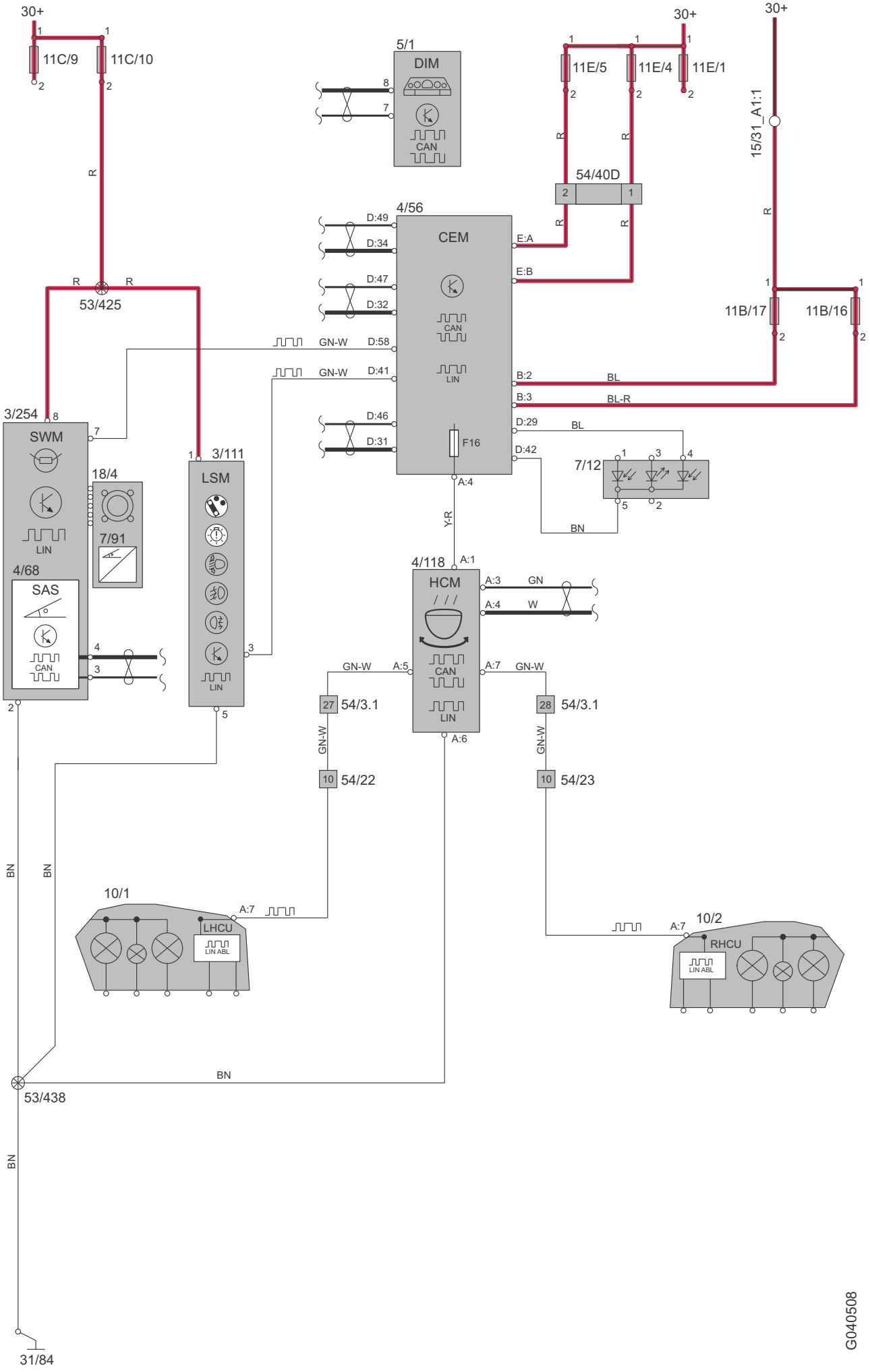
Group 33 Starting system
Starting system, Diesel, 6-Cyl.

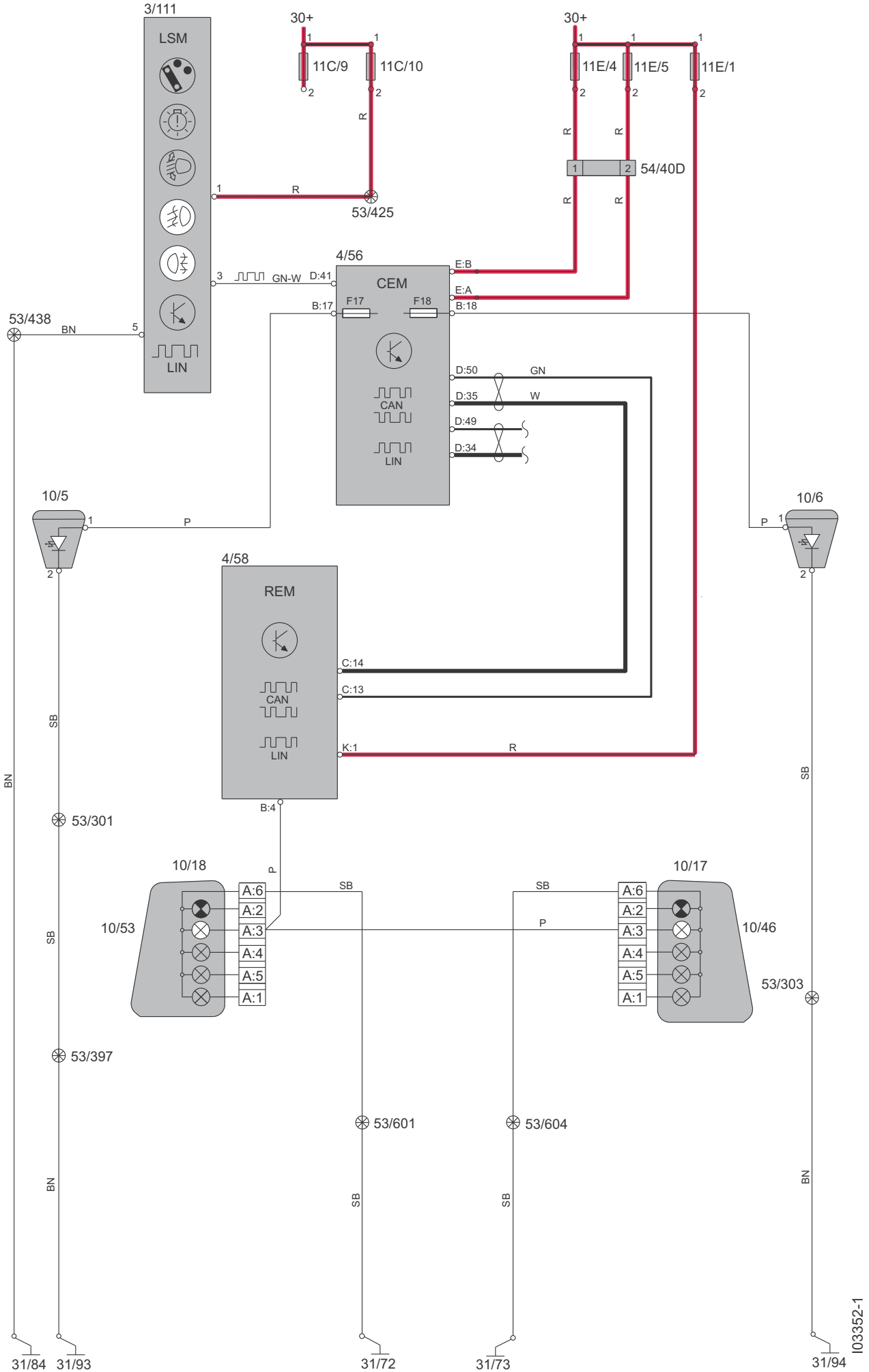


Group 35 Lighting
High and low beam/(Dual Xenon) & Daytime Running Lights

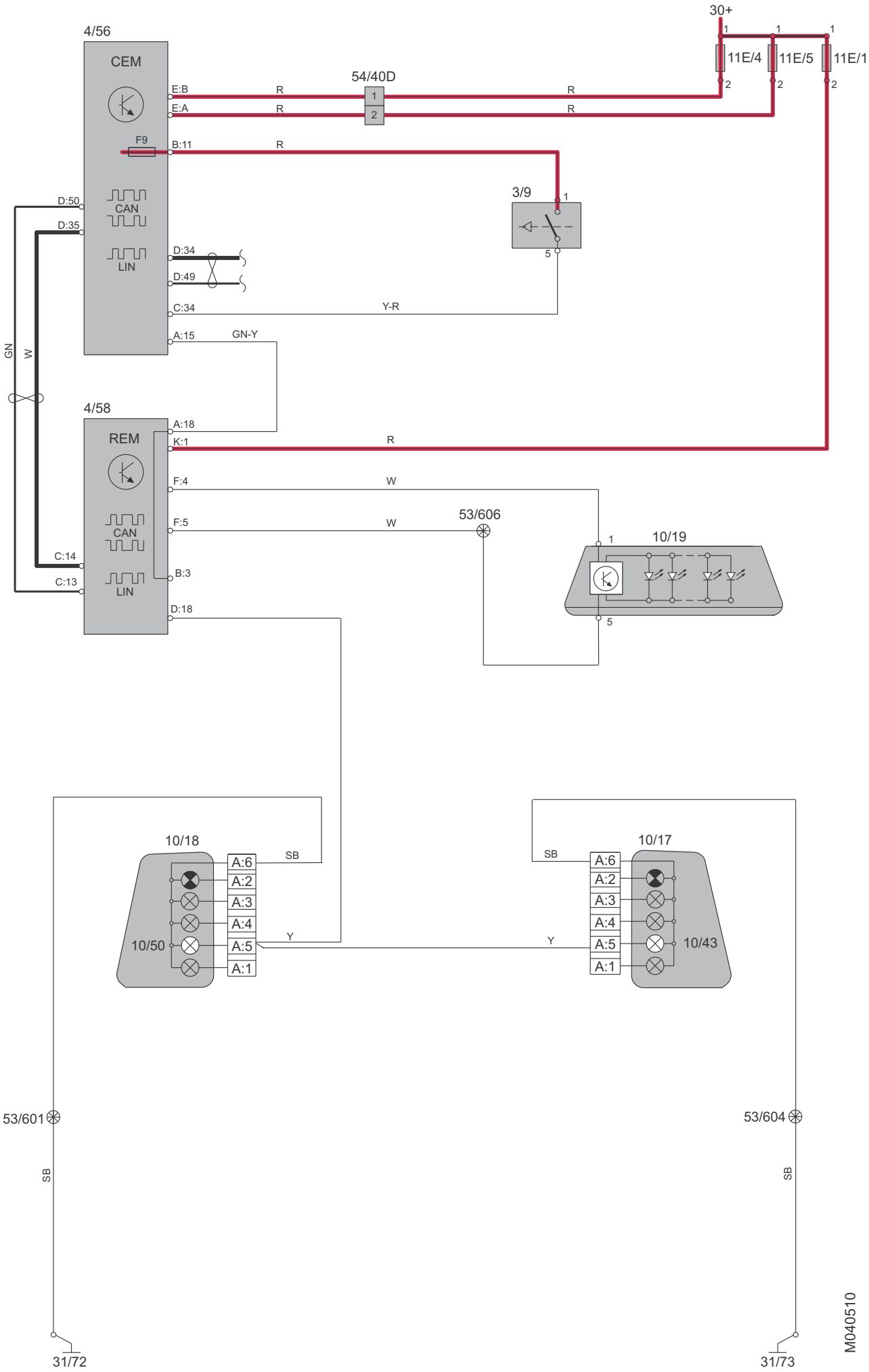


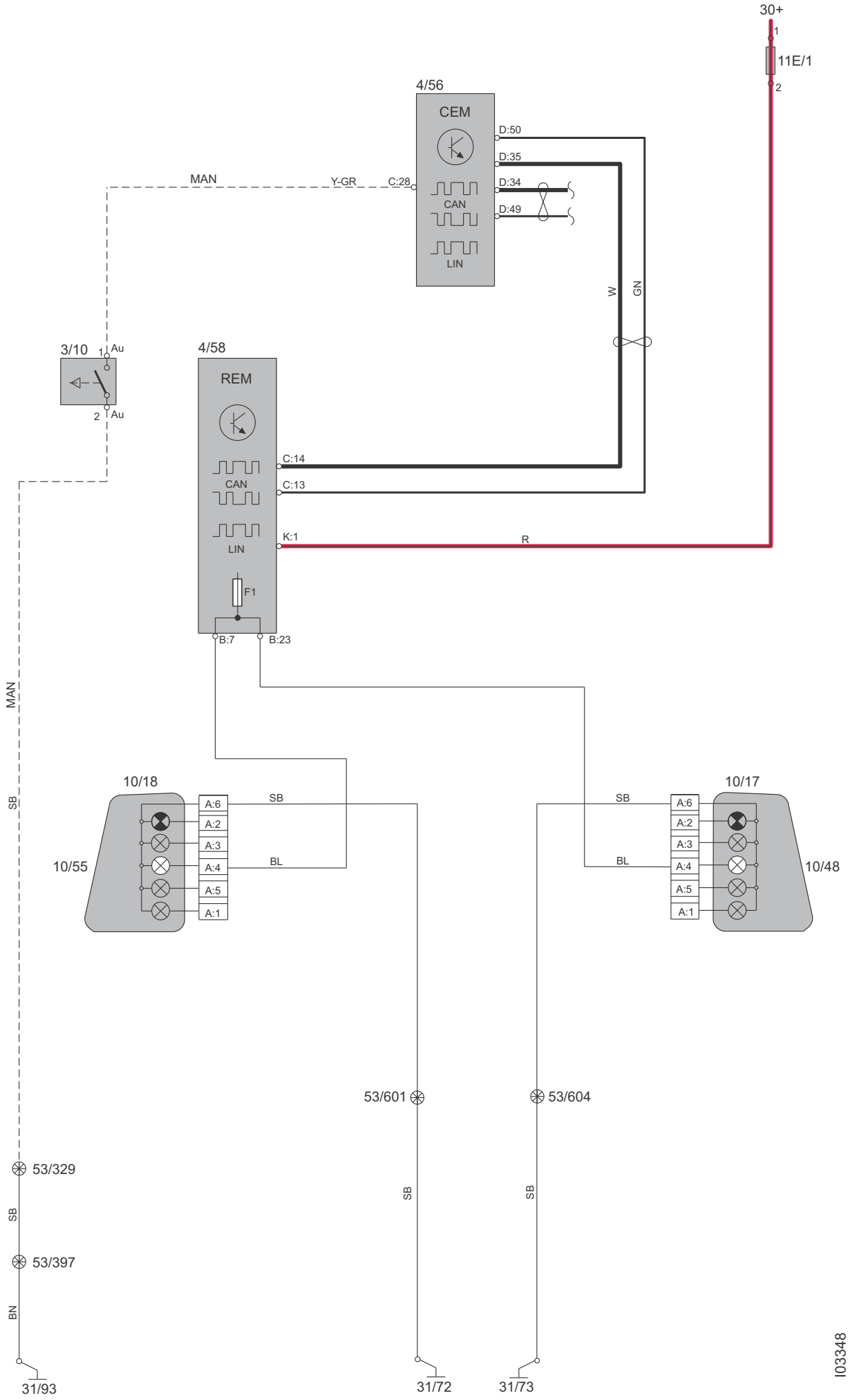
Group 35 Lighting
Active headlights (ABL)

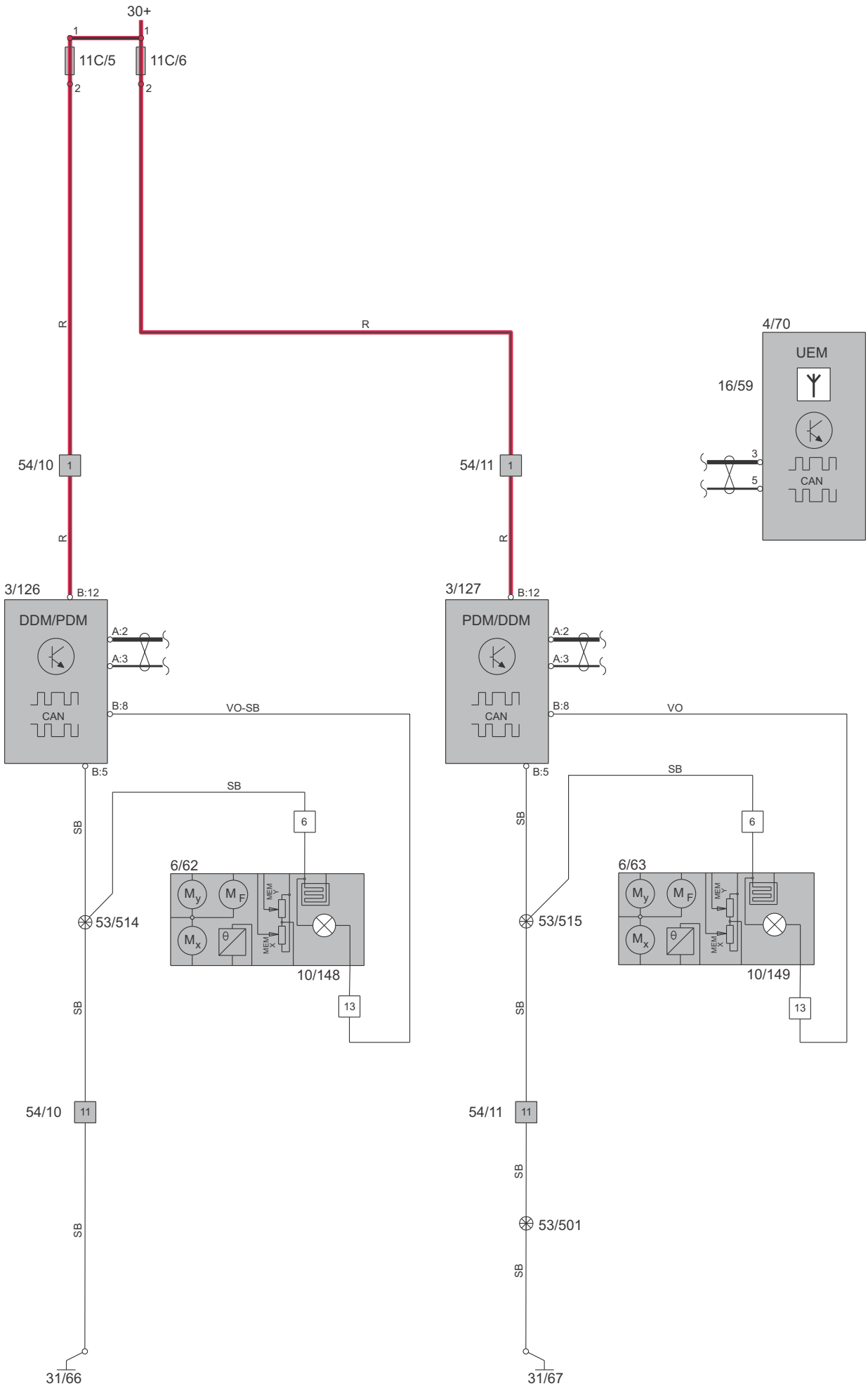



3/111
LSM
LIN
30+
11C/9
11C/10
R
53/425
30+
11E/4
11E/5
11E/1
54/40D
4/56
CEM
CAN
LIN
E:B
E:A
B:17
F17
F18
B:18
D:50
GN
D:35
W
D:49
D:34
53/438
BN
GN-W
D:41
10/5
10/6
P
4/58
REM
C:14
C:13
K:1
B:4
SB
BN
53/301
53/397
10/18
10/53
10/17
10/46
A:6
A:2
A:3
A:4
A:5
A:1
53/303
53/601
53/604
31/84
31/93
31/72
31/73
31/94
I03352-1

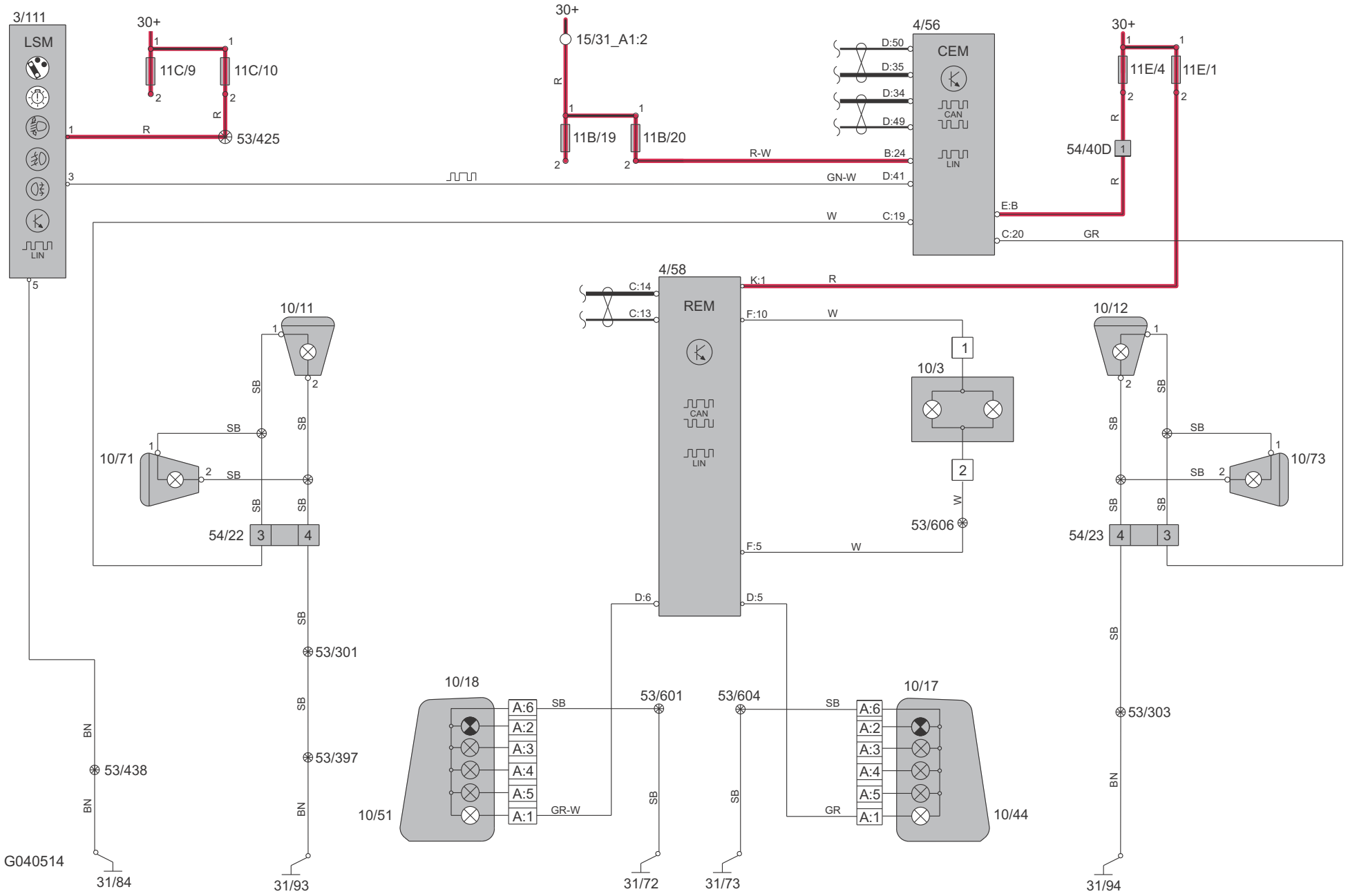
Group 35 Lighting
Brake lights



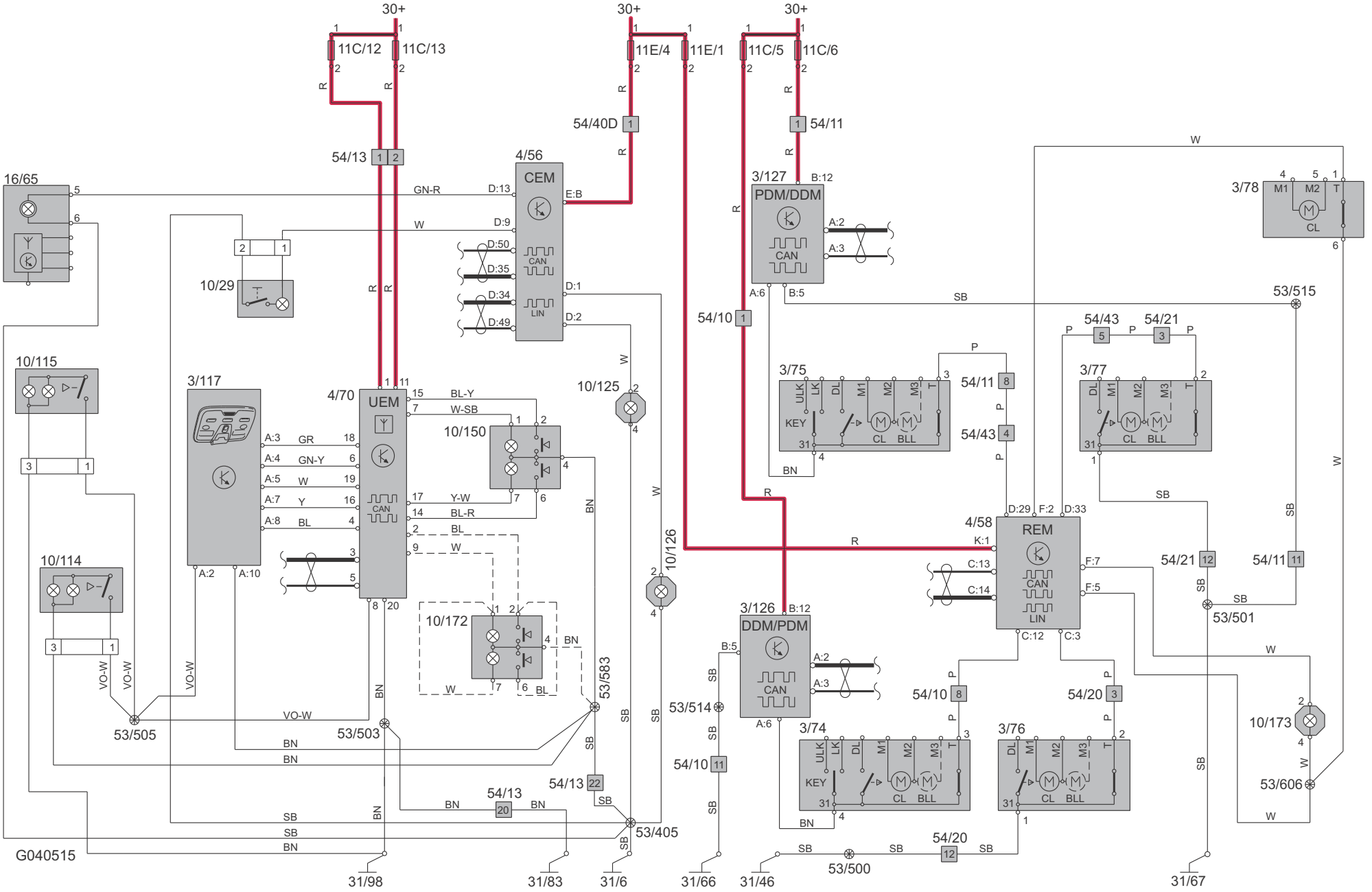

30+
1
11E/1
2
4/56
CEM
D:50
D:35
D:34
D:49
CAN
LIN
MAN
Y-GR
C:28
W
GN
3/10
1
Au
2
Au
4/58
REM
C:14
C:13
K:1
R
F1
B:7
B:23
MAN
SB
10/18
10/55
A:6
A:2
A:3
A:4
A:5
A:1
SB
BL
10/17
10/48
53/601
53/604
53/329
53/397
BN
31/93
31/72
31/73
I03348

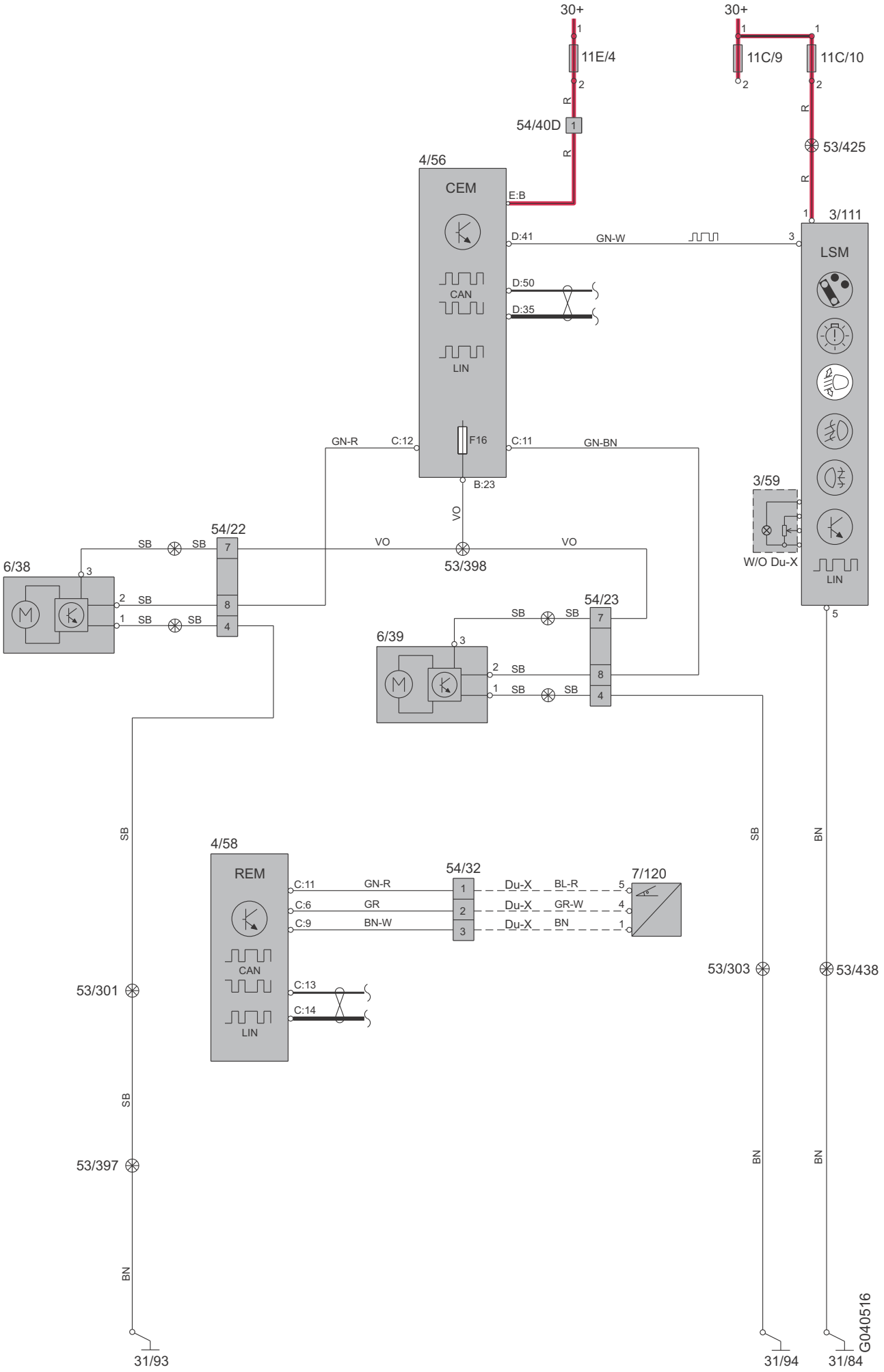

30+
1
1
11C/5
11C/6
2
2
R
R
4/70
UEM
16/59
3
5
CAN
54/10
1
54/11
1
R
R
3/126
B:12
DDM/PDM
A:2
A:3
CAN
B:8
VO-SB
B:5
3/127
B:12
PDM/DDM
A:2
A:3
CAN
B:8
VO
B:5
SB
SB
6
6/62
MEM Y
MEM X
53/514
10/148
13
SB
SB
6
6/63
MEM Y
MEM X
53/515
10/149
13
54/10
11
54/11
11
SB
SB
SB
SB
53/501
SB
31/66
31/67
G040513

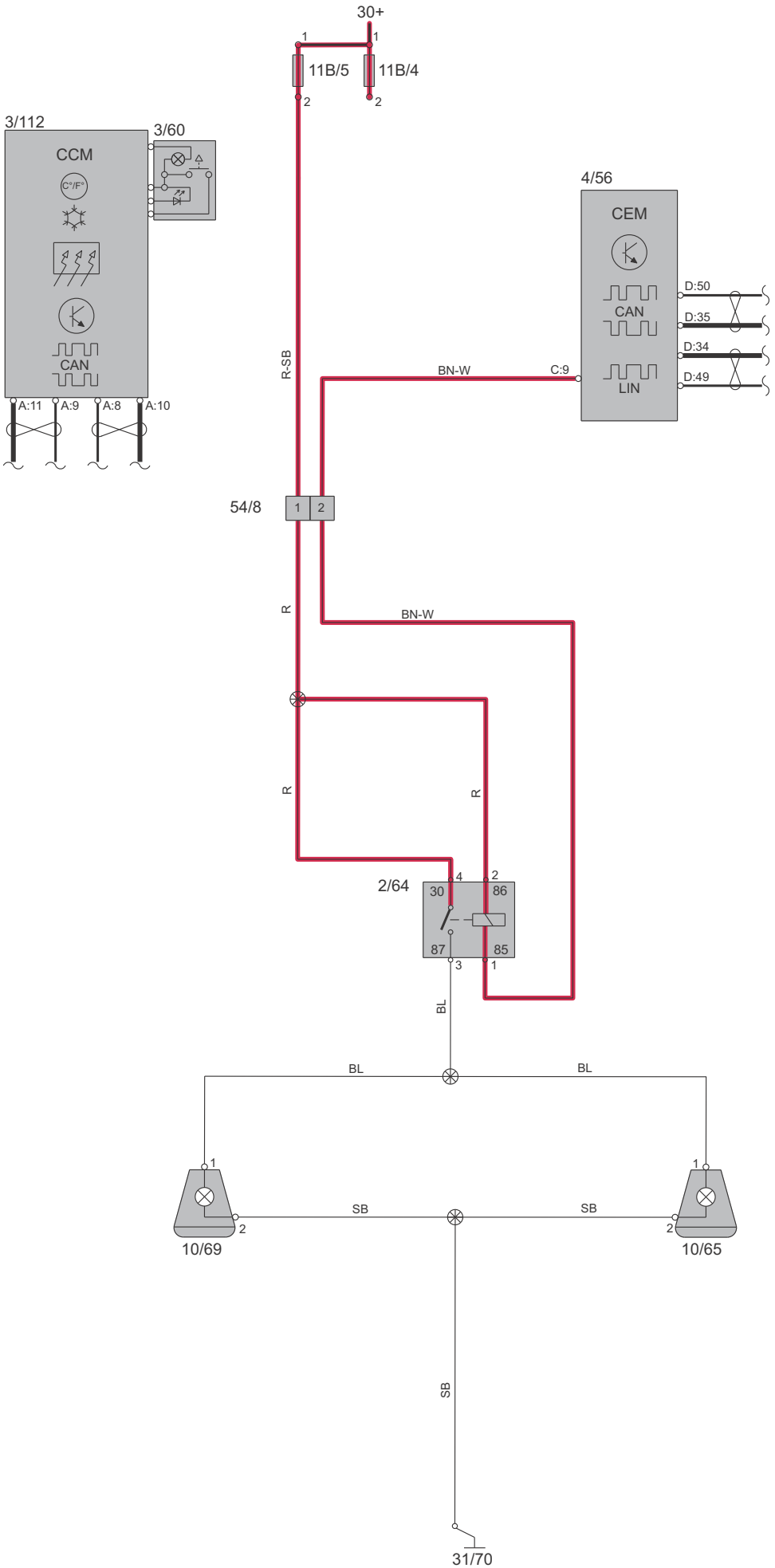
Group 35 Lighting
Running/parking light, tail lights & license plate lighting



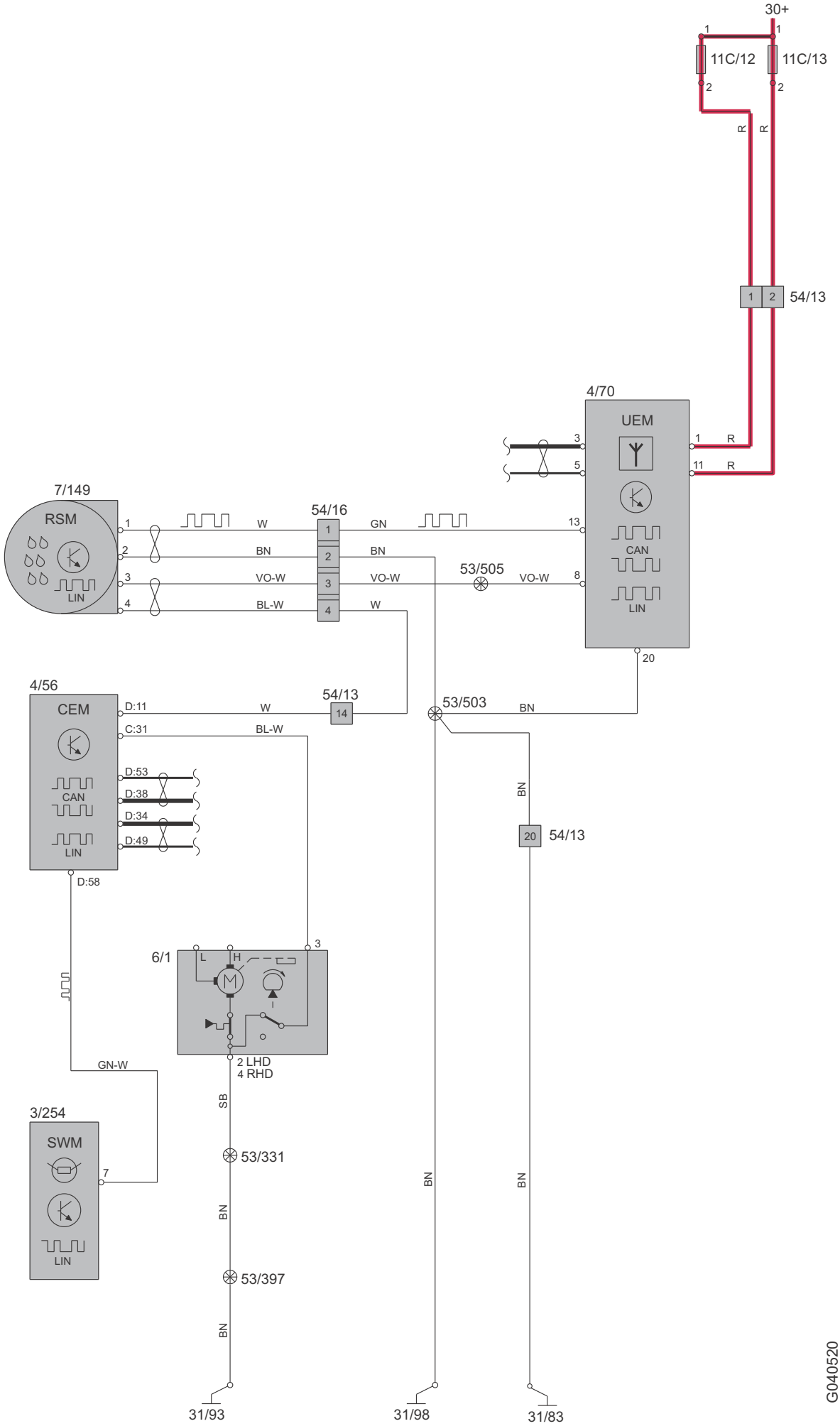
Group 35 Lighting
Interior lighting

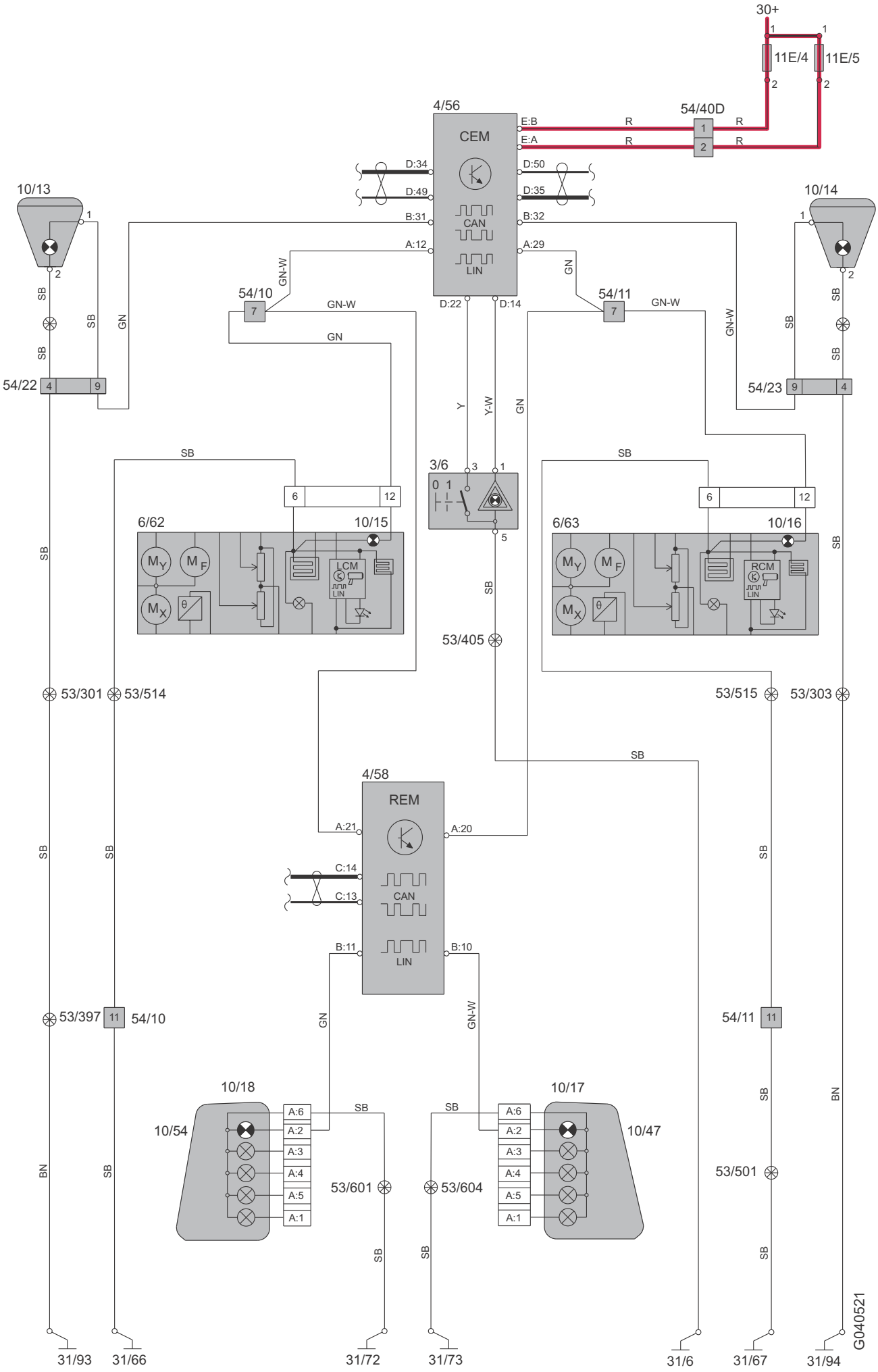


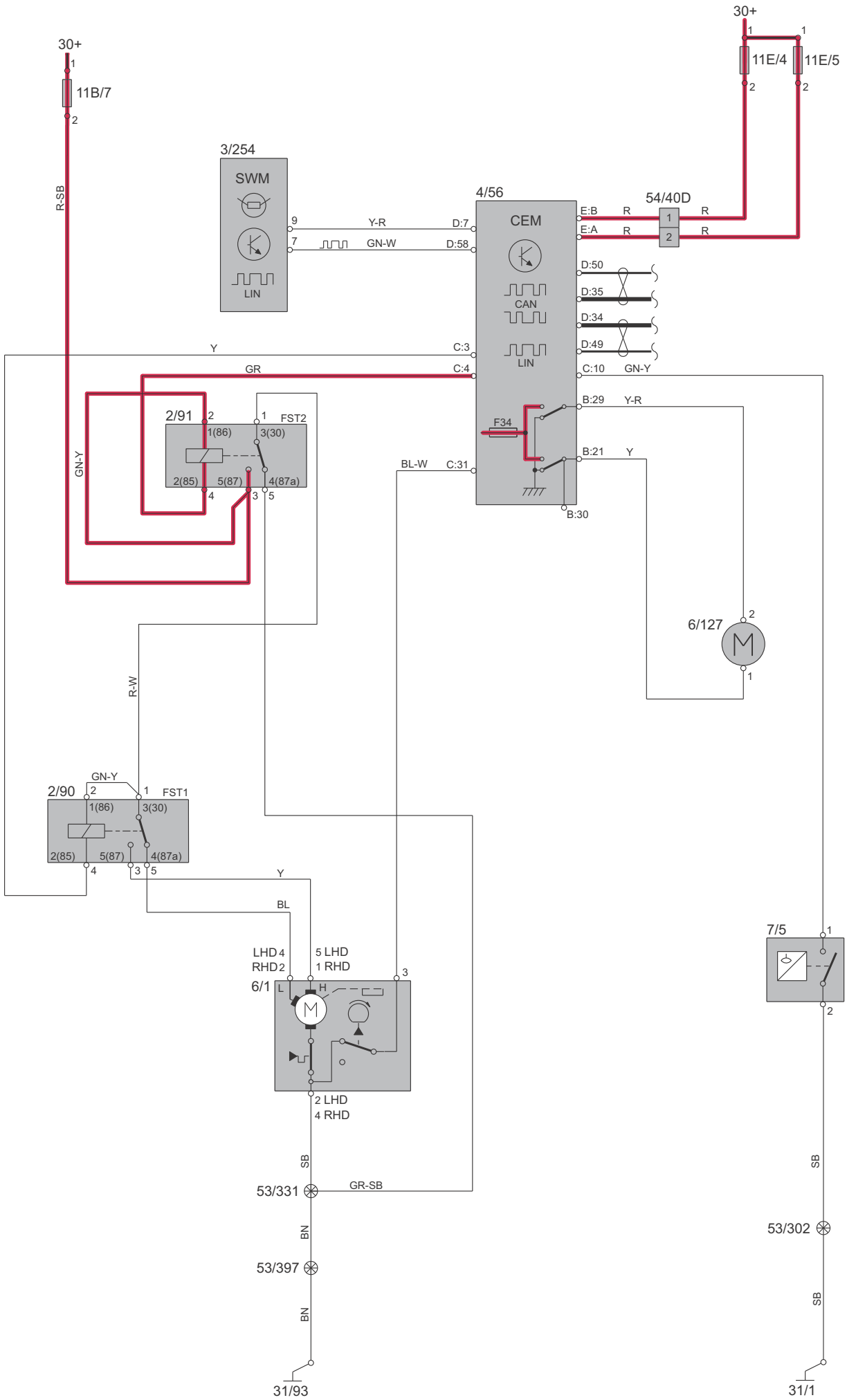

30+
11E/4
54/40D
4/56
CEM
E:B
D:41
GN-W
3/111
LSM
D:50
CAN
D:35
LIN
F16
GN-R
C:12
C:11
GN-BN
B:23
VO
53/398
54/22
SB
6/38
54/23
6/39
3/59
W/O Du-X
30+
11C/9
11C/10
53/425
4/58
REM
C:11
GN-R
C:6
GR
C:9
BN-W
54/32
Du-X
BL-R
GR-W
BN
7/120
C:13
C:14
53/301
53/303
53/438
53/397
BN
31/93
31/94
31/84
G040516

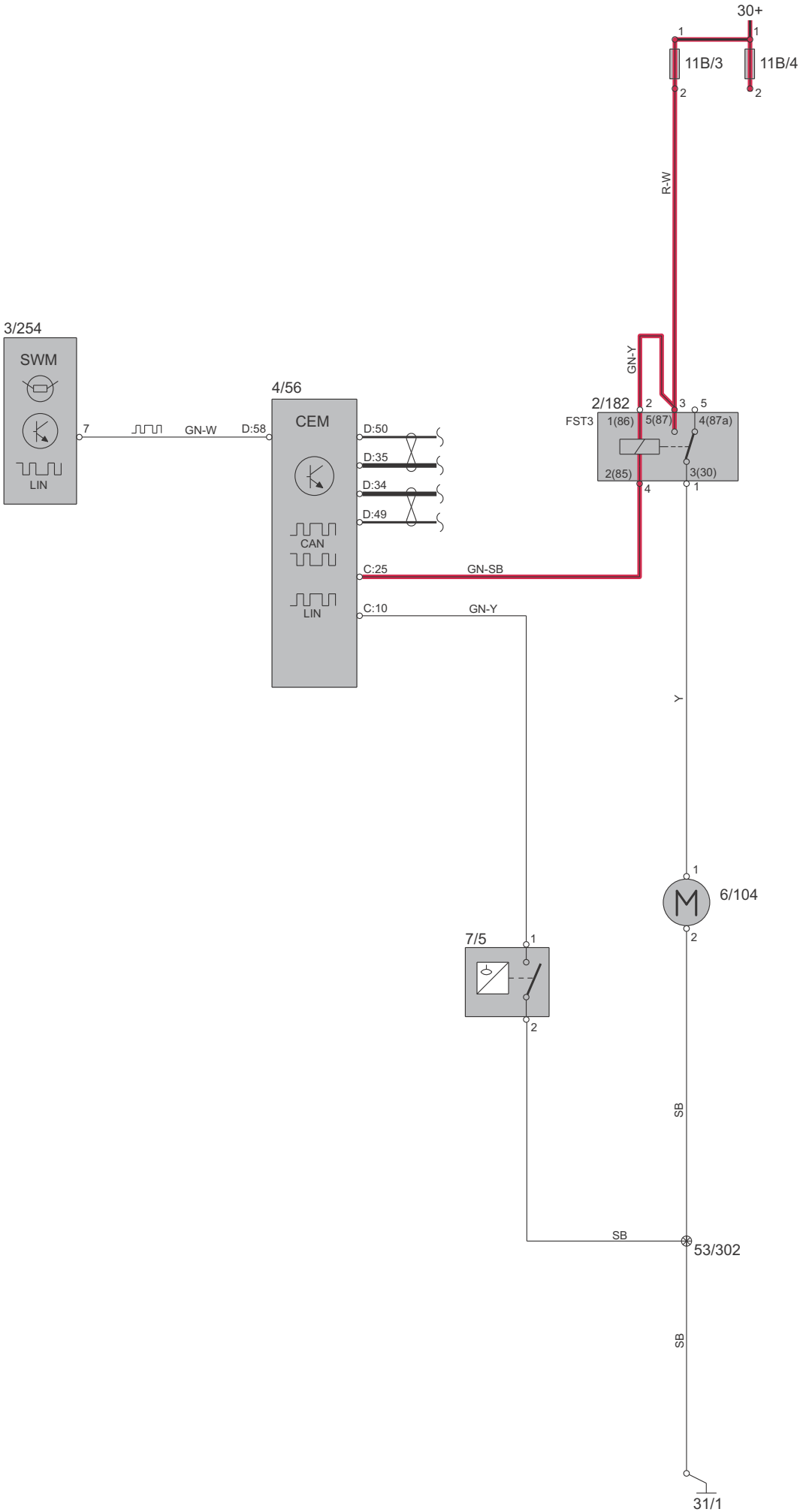

30+
11B/5
11B/4
3/112
CCM
3/60
CAN
A:11
A:9
A:8
A:10
4/56
CEM
CAN
LIN
D:50
D:35
D:34
D:49
C:9
BN-W
R-SB
54/8
R
BN-W
R
R
2/64
30
86
87
85
BL
BL
BL
SB
SB
SB
10/69
10/65
31/70

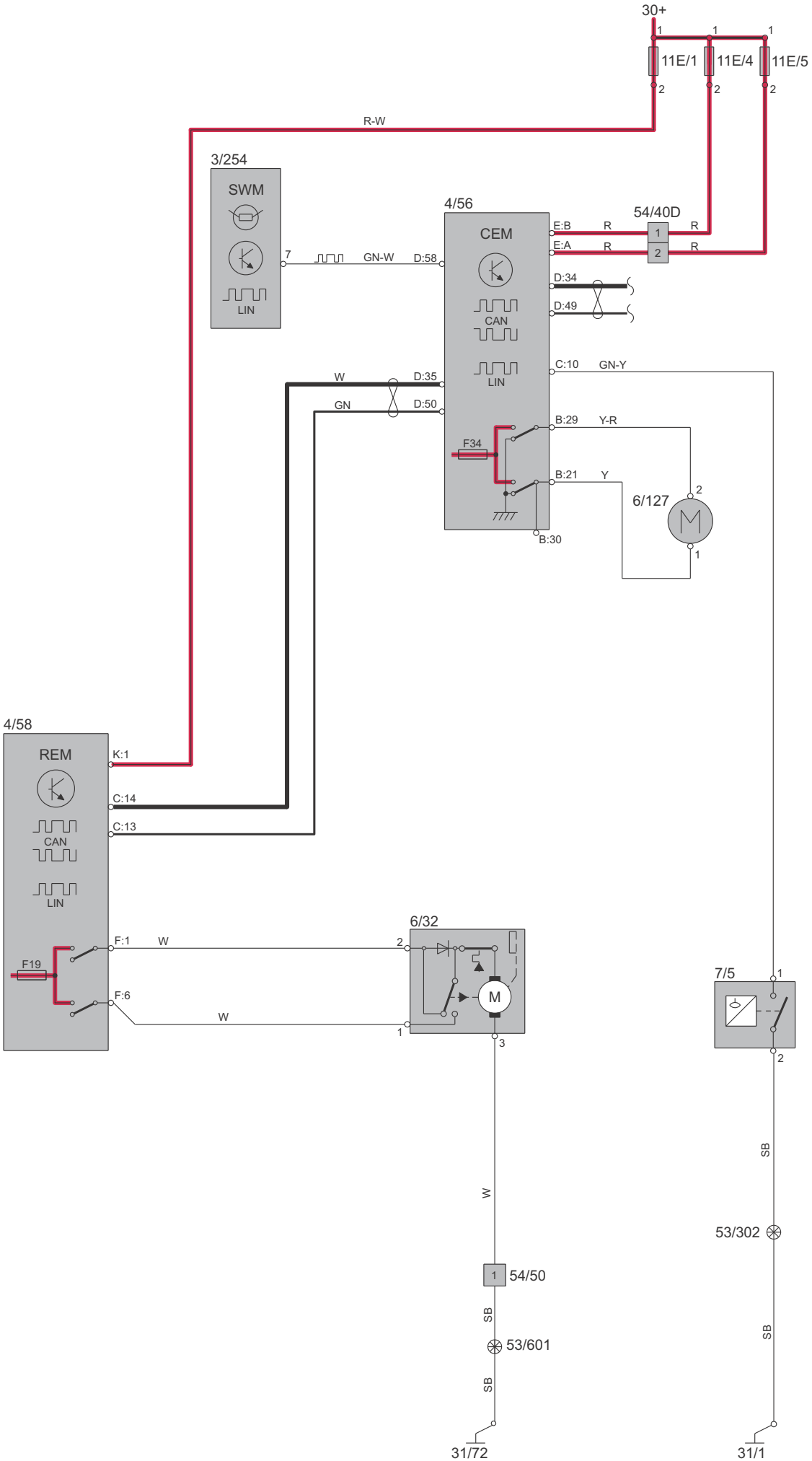
G040517


30+
11C/12
11C/13
R
54/13
4/70
UEM
CAN
LIN
7/149
RSM
54/16
W
GN
BN
VO-W
BL-W
53/505
4/56
CEM
D:11
C:31
D:53
D:38
D:34
D:49
D:58
53/503
20
6/1
L
H
2 LHD
4 RHD
GN-W
3/254
SWM
SB
53/331
53/397
31/93
31/98
31/83
G040520

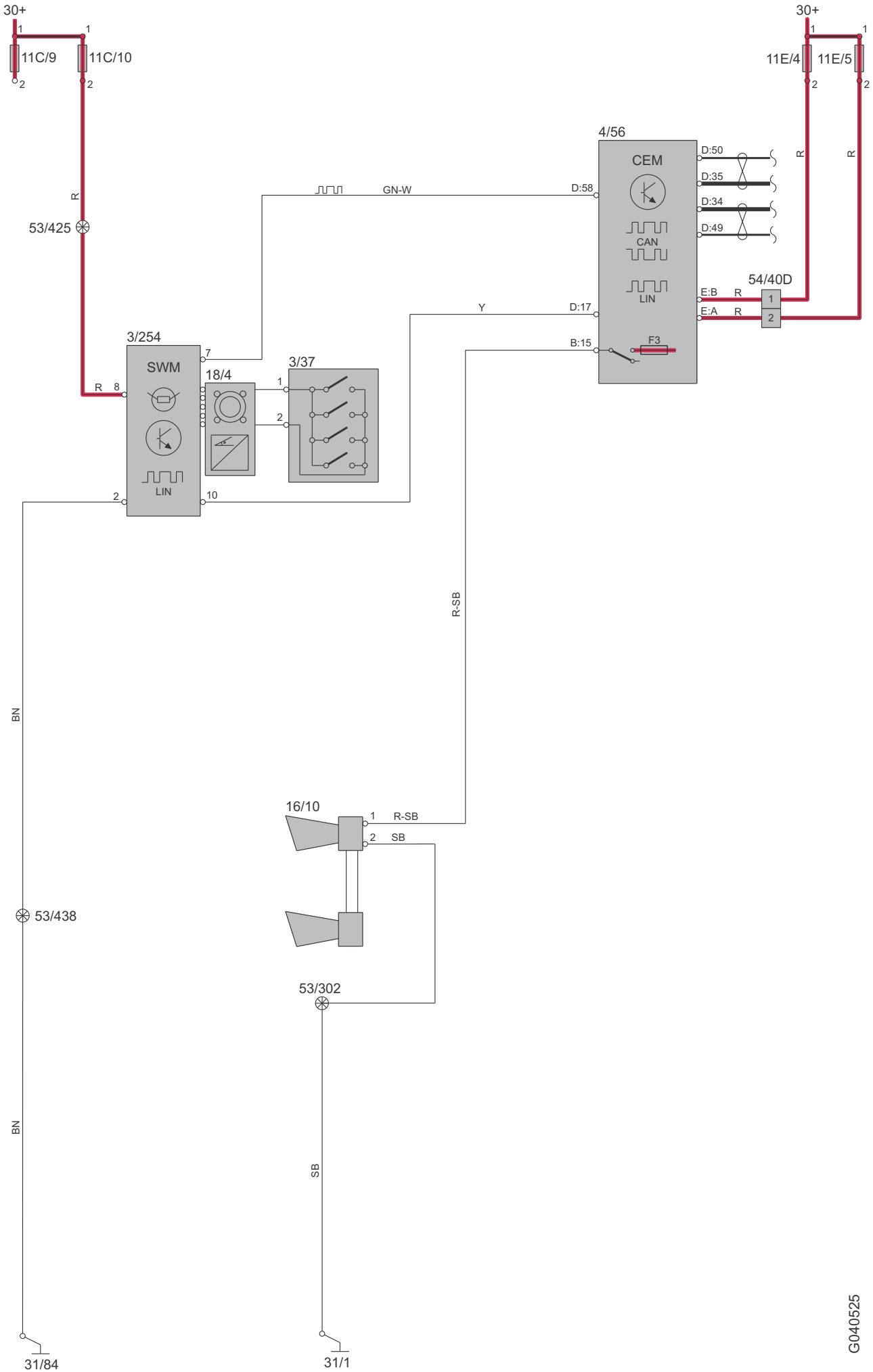

30+
11E/4
11E/5
54/40D
4/56
CEM
E:B
E:A
R
D:34
D:49
D:50
D:35
B:31
B:32
A:12
A:29
CAN
LIN
10/13
10/14
54/10
54/11
GN-W
GN
D:22
D:14
54/22
54/23
SB
Y
Y-W
3/6
6/62
10/15
6/63
10/16
LCM
RCM
53/405
53/301
53/514
53/515
53/303
4/58
REM
A:21
A:20
C:14
C:13
B:11
B:10
53/397
54/10
54/11
10/18
10/54
10/17
10/47
A:6
A:2
A:3
A:4
A:5
A:1
53/601
53/604
53/501
BN
31/93
31/66
31/72
31/73
31/6
31/67
31/94
G040521

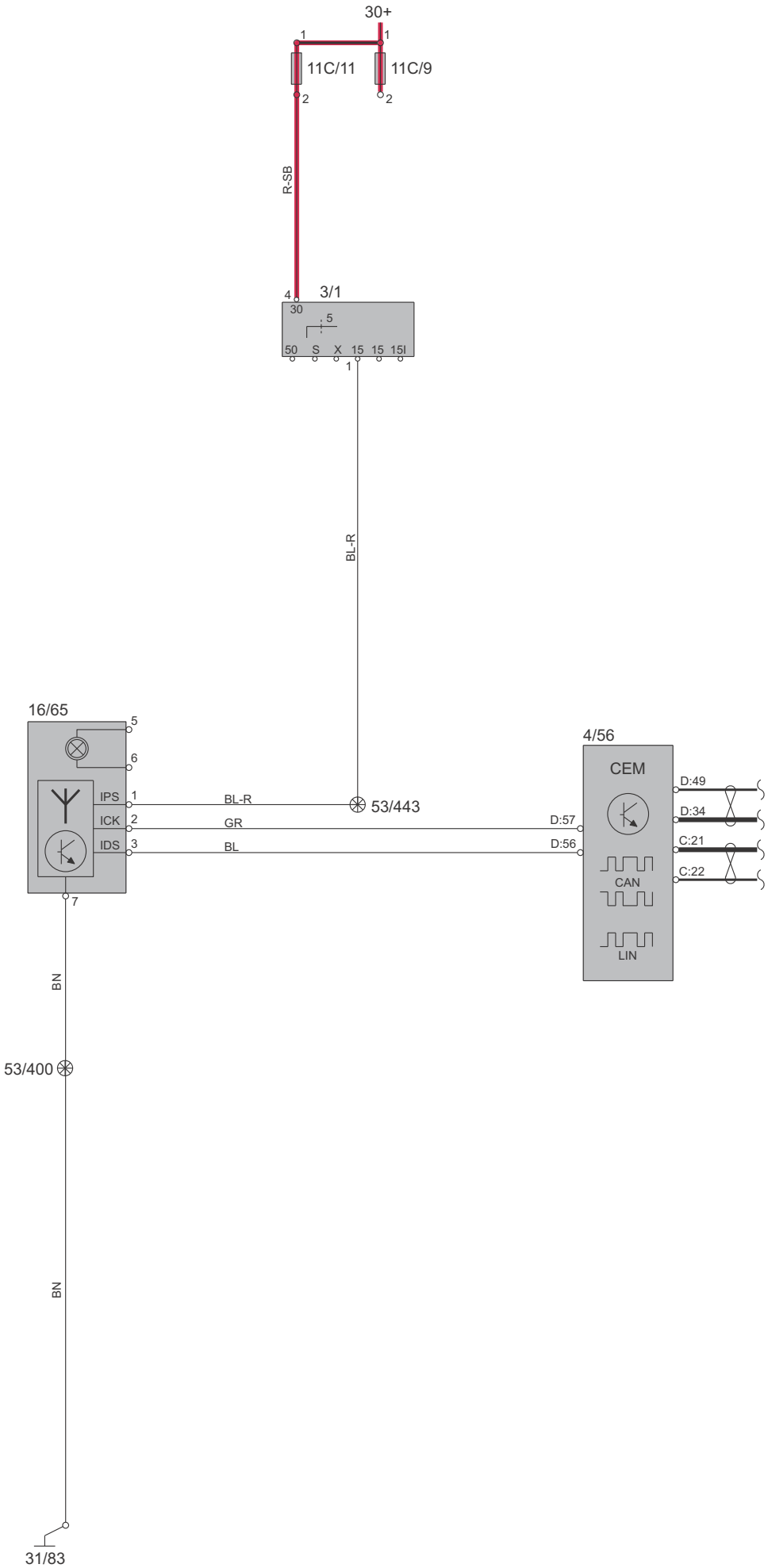

30+
11B/7
R-SB
3/254
SWM
LIN
9
7
Y-R
GN-W
D:7
D:58
4/56
CEM
CAN
LIN
F34
30+
11E/4
11E/5
54/40D
E:B
E:A
R
D:50
D:35
D:34
D:49
C:10
GN-Y
B:29
Y-R
B:21
Y
B:30
Y
C:3
GR
C:4
BL-W
C:31
2/91
FST2
1(86)
3(30)
2(85)
5(87)
4(87a)
GN-Y
6/127
R-W
2/90
FST1
GN-Y
Y
BL
LHD 4
RHD 2
5 LHD
1 RHD
6/1
2 LHD
4 RHD
7/5
SB
GR-SB
53/331
BN
53/397
53/302
31/93
31/1
G040522


30+
1
1
11B/3
11B/4
2
2
R-W
3/254
SWM
LIN
7
GN-W
D:58
4/56
CEM
D:50
D:35
D:34
D:49
CAN
C:25
GN-SB
LIN
C:10
GN-Y
GN-Y
2/182
FST3
2
3
5
1(86)
5(87)
4(87a)
2(85)
3(30)
4
1
Y
1
6/104
2
7/5
1
2
SB
SB
53/302
SB
31/1
G040523


30+
11E/1
11E/4
11E/5
R-W
3/254
SWM
LIN
4/56
CEM
CAN
LIN
54/40D
E:B
E:A
R
GN-W
D:58
D:34
D:49
C:10
GN-Y
W
D:35
GN
D:50
B:29
Y-R
F34
B:21
Y
B:30
6/127
4/58
REM
K:1
C:14
C:13
CAN
LIN
F19
F:1
F:6
W
6/32
M
7/5
SB
53/302
54/50
53/601
31/72
31/1
G040524

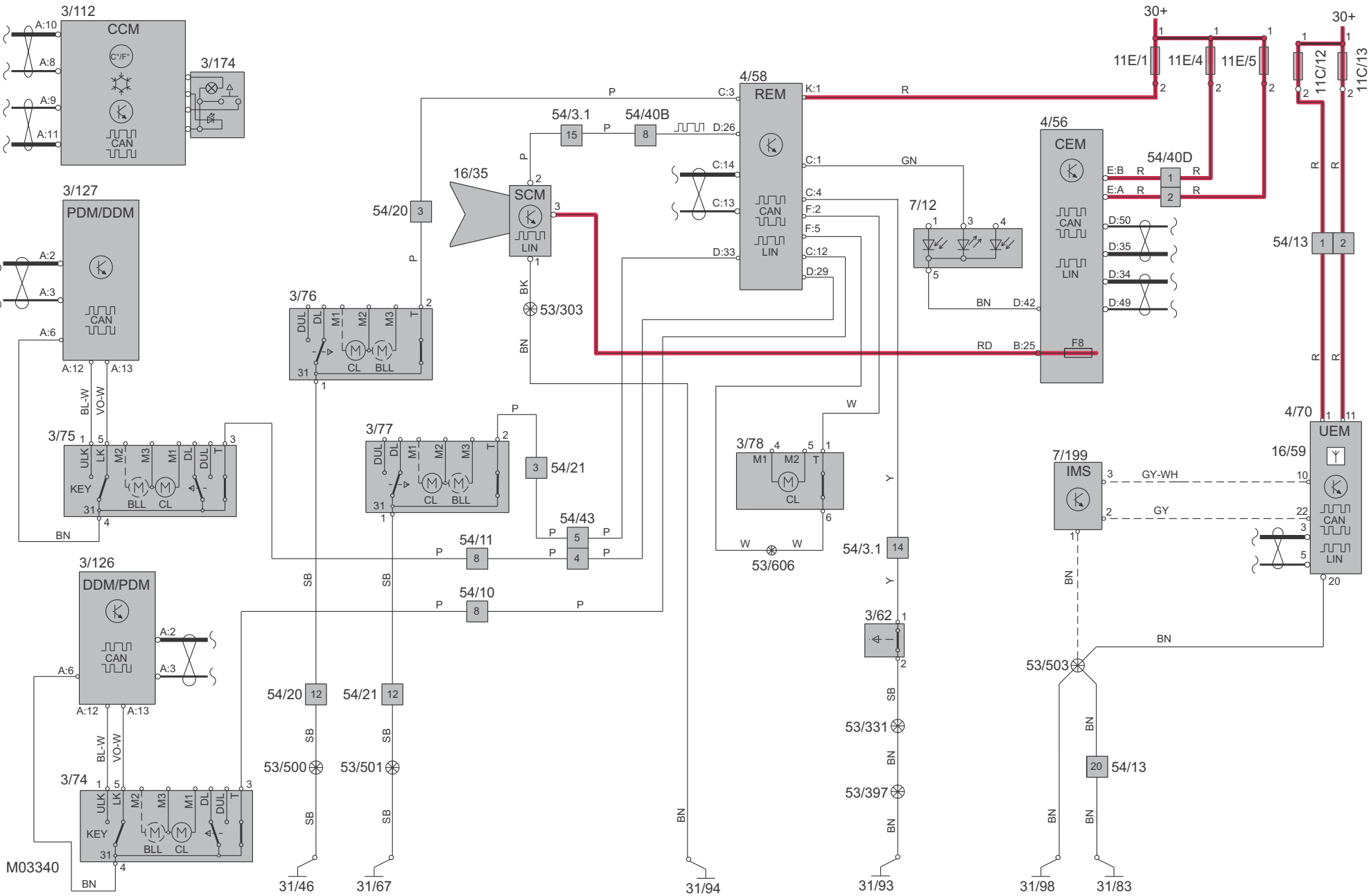
Group 36 Additional electrical equipment
Horn

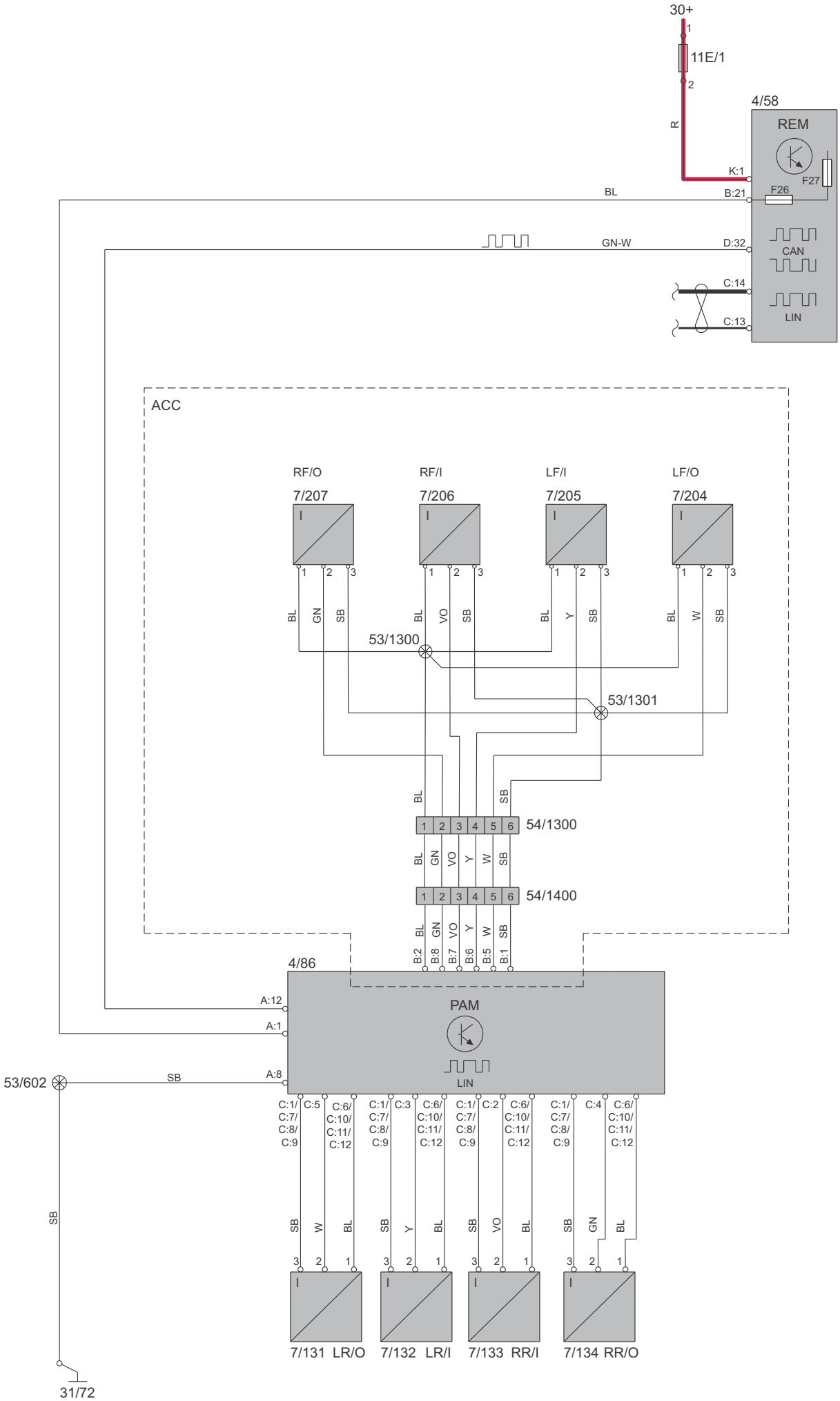


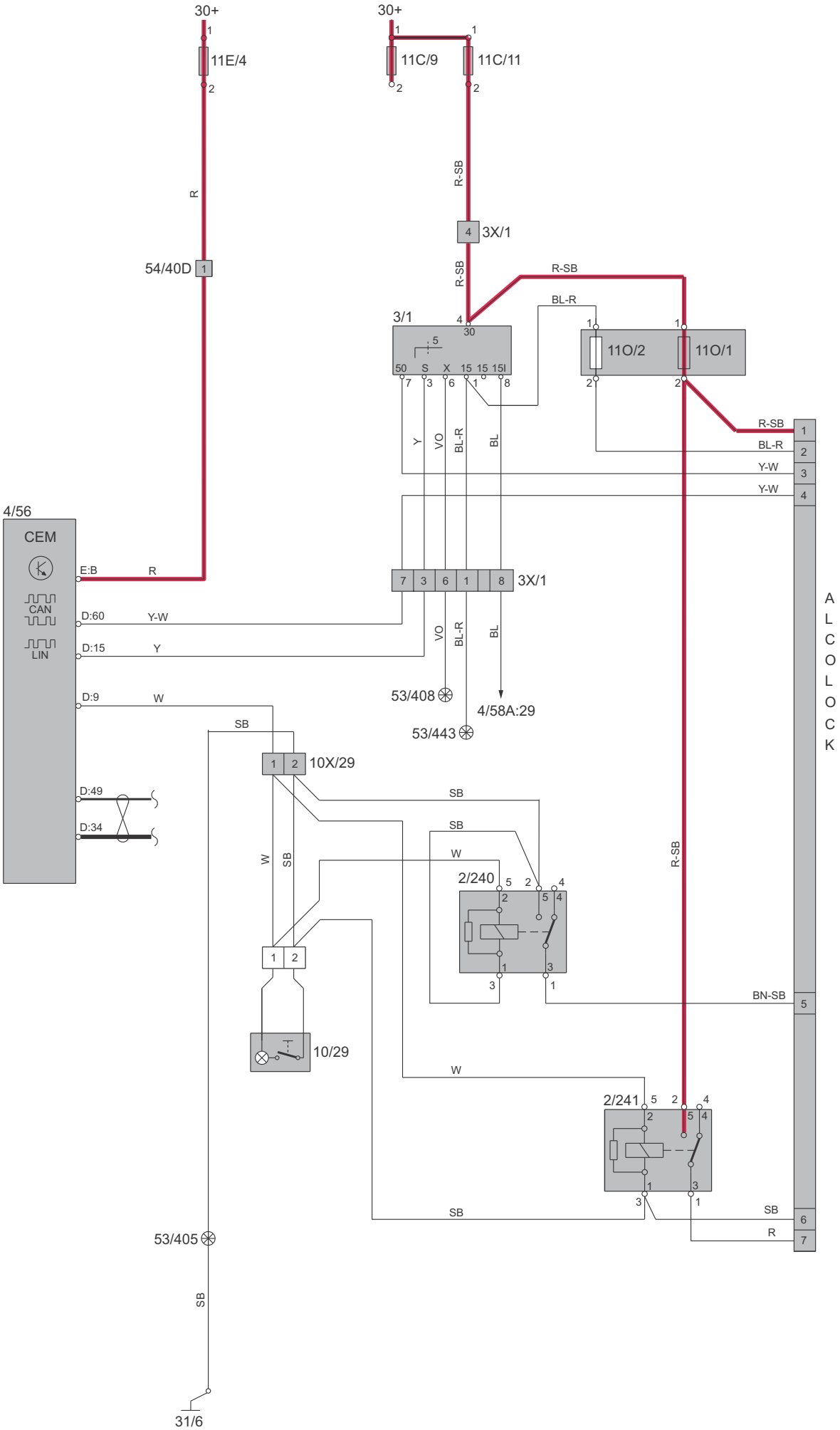

30+
1
1
11C/11
11C/9
2
2
R-SB
4
3/1
30
5
50 S X 15 15 15I
1
BL-R
16/65
5
6
IPS 1
ICK 2
IDS 3
7
BL-R
GR
BL
53/443
4/56
CEM
D:57
D:56
D:49
D:34
C:21
C:22
CAN
LIN
BN
53/400
BN
31/83

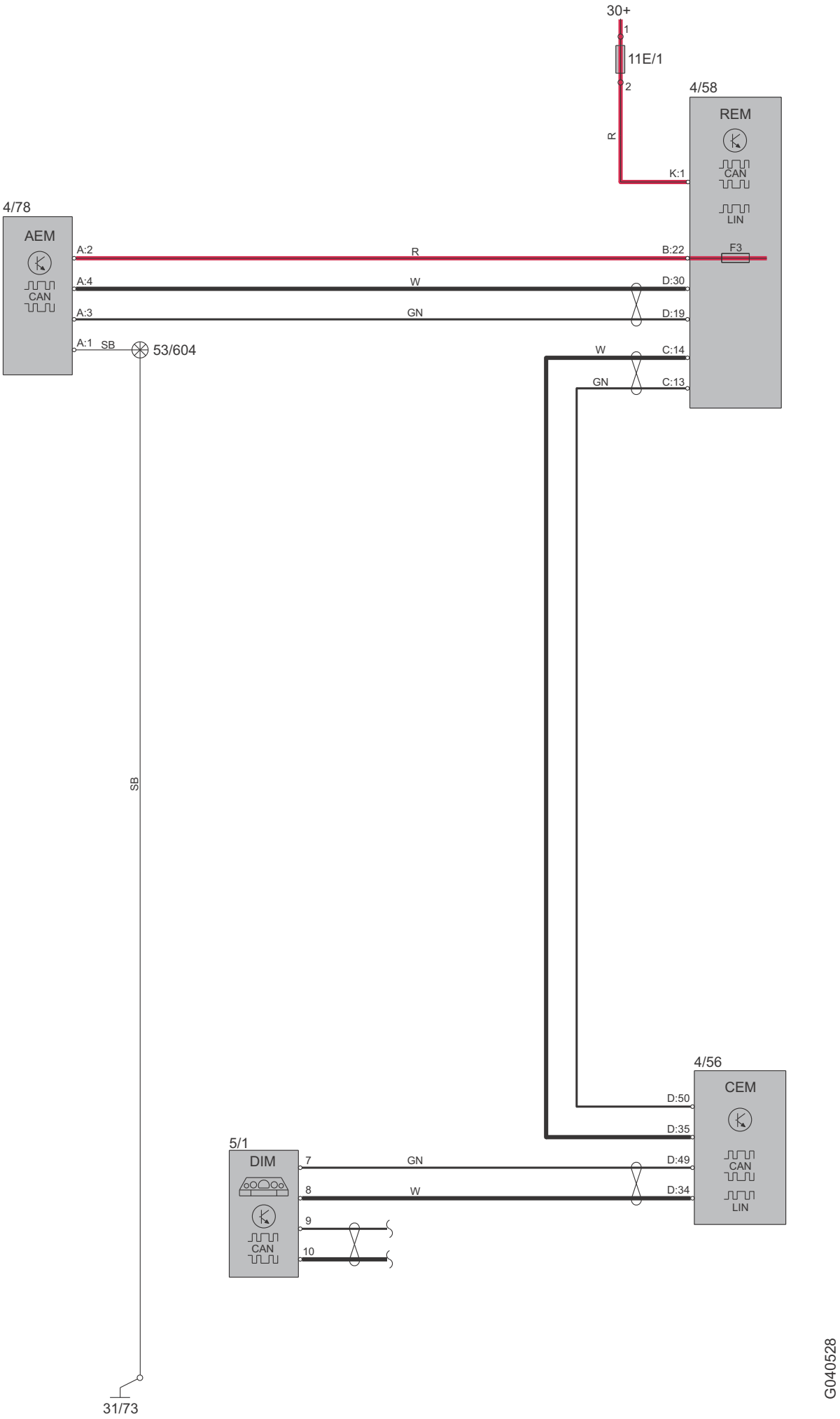
G040526

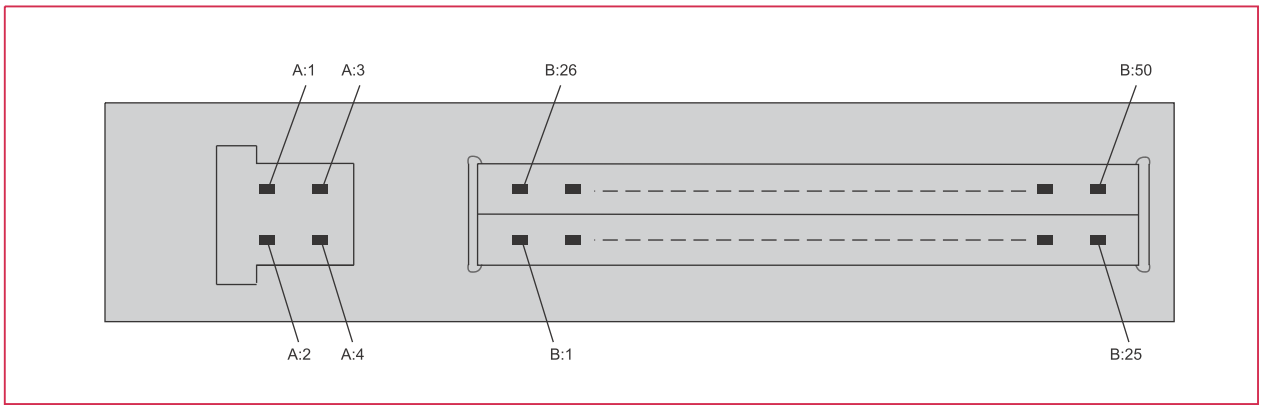
Group 36 Additional electrical equipment
Anti-theft alarm




30+
1
11E/1
2
R
4/58
REM
K:1
F27
F26
B:21
BL
D:32
GN-W
CAN
C:14
C:13
LIN
ACC
RF/O
7/207
RF/I
7/206
LF/I
7/205
LF/O
7/204
BL
GN
SB
VO
Y
W
53/1300
53/1301
54/1300
54/1400
B:2
B:8
B:7
B:6
B:5
B:1
4/86
PAM
A:12
A:1
A:8
53/602
C:1/ C:7/ C:8/ C:9
C:5
C:6/ C:10/ C:11/ C:12
C:3
C:2
C:4
7/131 LR/O
7/132 LR/I
7/133 RR/I
7/134 RR/O
31/72
G040532

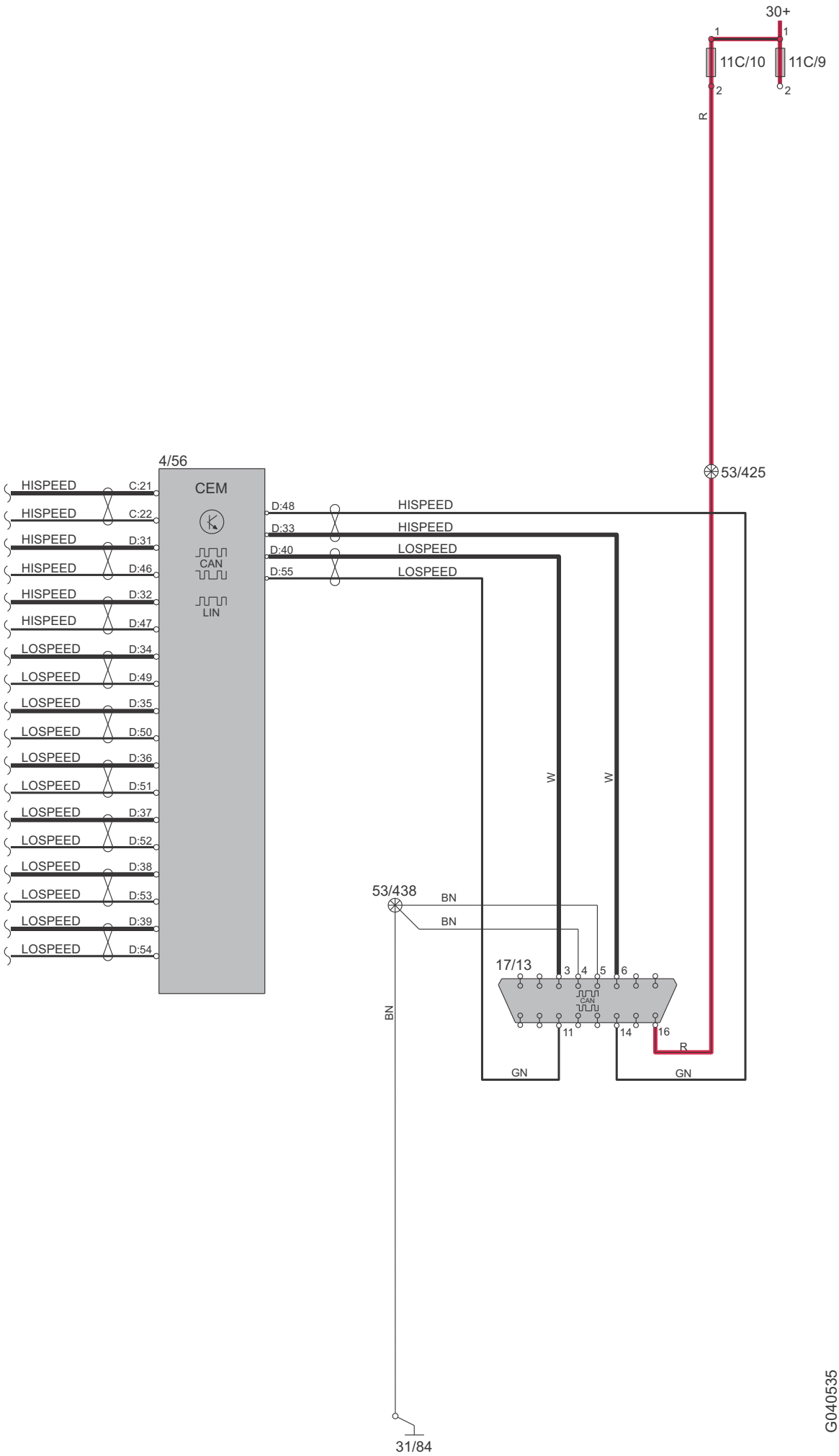

30+
11E/4
30+
11C/9
11C/11
R
R-SB
54/40D
3X/1
R-SB
R-SB
BL-R
3/1
11O/2
11O/1
R-SB
BL-R
Y-W
Y-W
4/56
CEM
CAN
LIN
E:B
R
D:60
Y-W
D:15
Y
D:9
W
3X/1
53/408
4/58A:29
53/443
SB
10X/29
D:49
D:34
SB
SB
W
W
SB
2/240
BN-SB
10/29
W
2/241
R-SB
SB
SB
R
53/405
SB
31/6
ALCOLOCK
G040531


30+
1
11E/1
2
R
4/58
REM
CAN
LIN
K:1
F3
4/78
AEM
CAN
A:2
R
B:22
A:4
W
D:30
A:3
GN
D:19
A:1
SB
53/604
W
C:14
GN
C:13
SB
4/56
CEM
D:50
D:35
5/1
DIM
7
GN
D:49
8
W
D:34
9
10
CAN
LIN
31/73
G040528

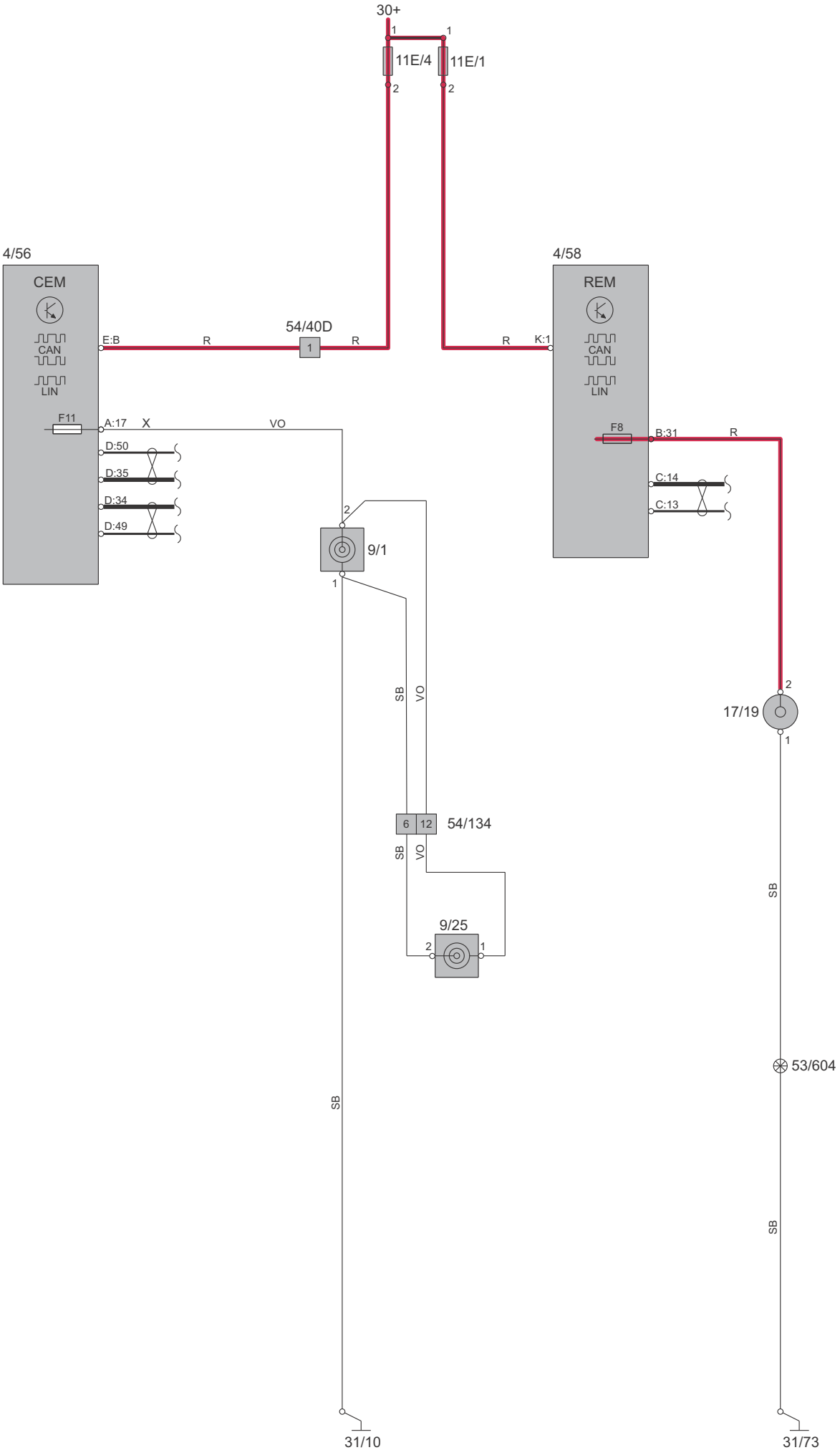


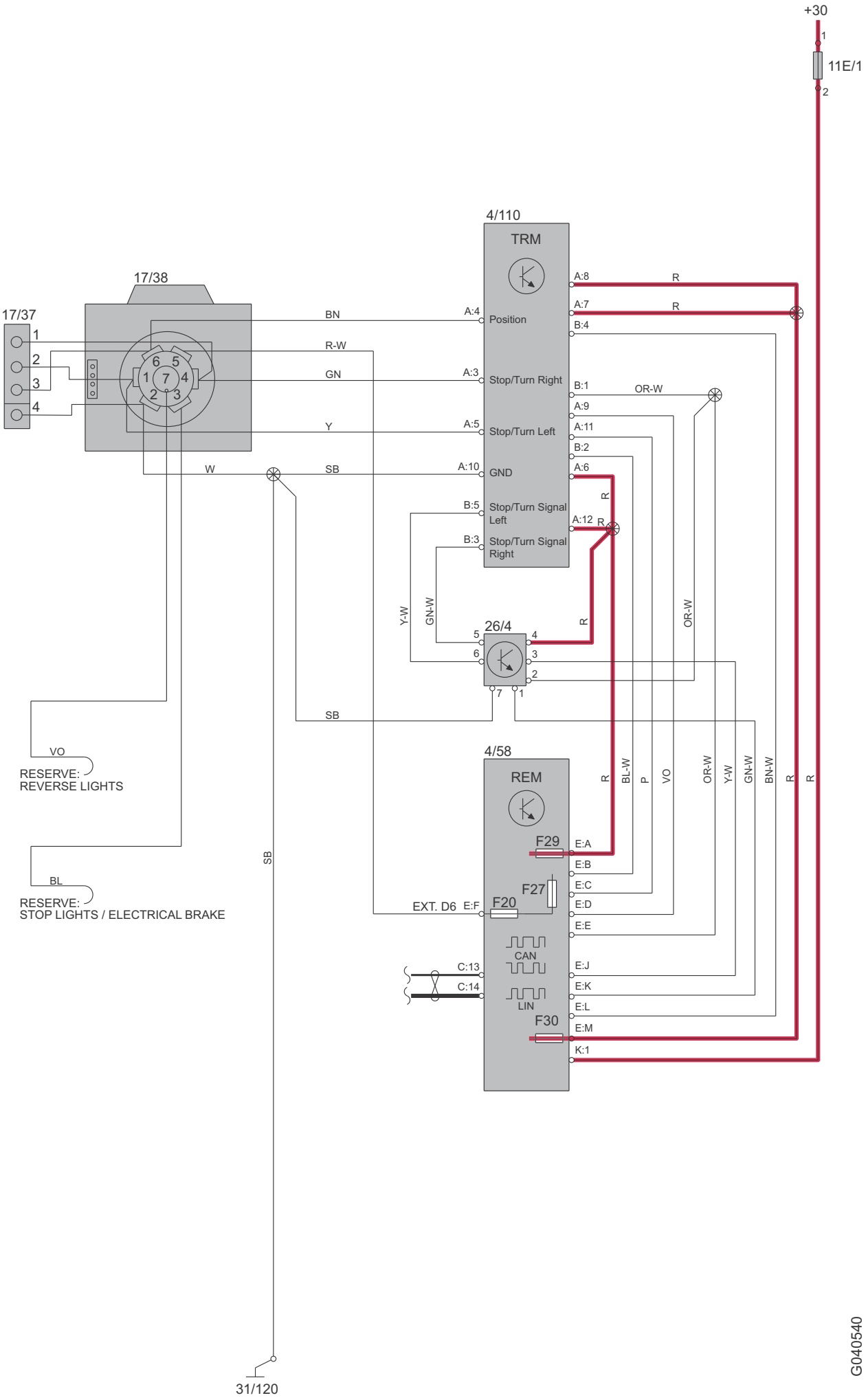
G029740

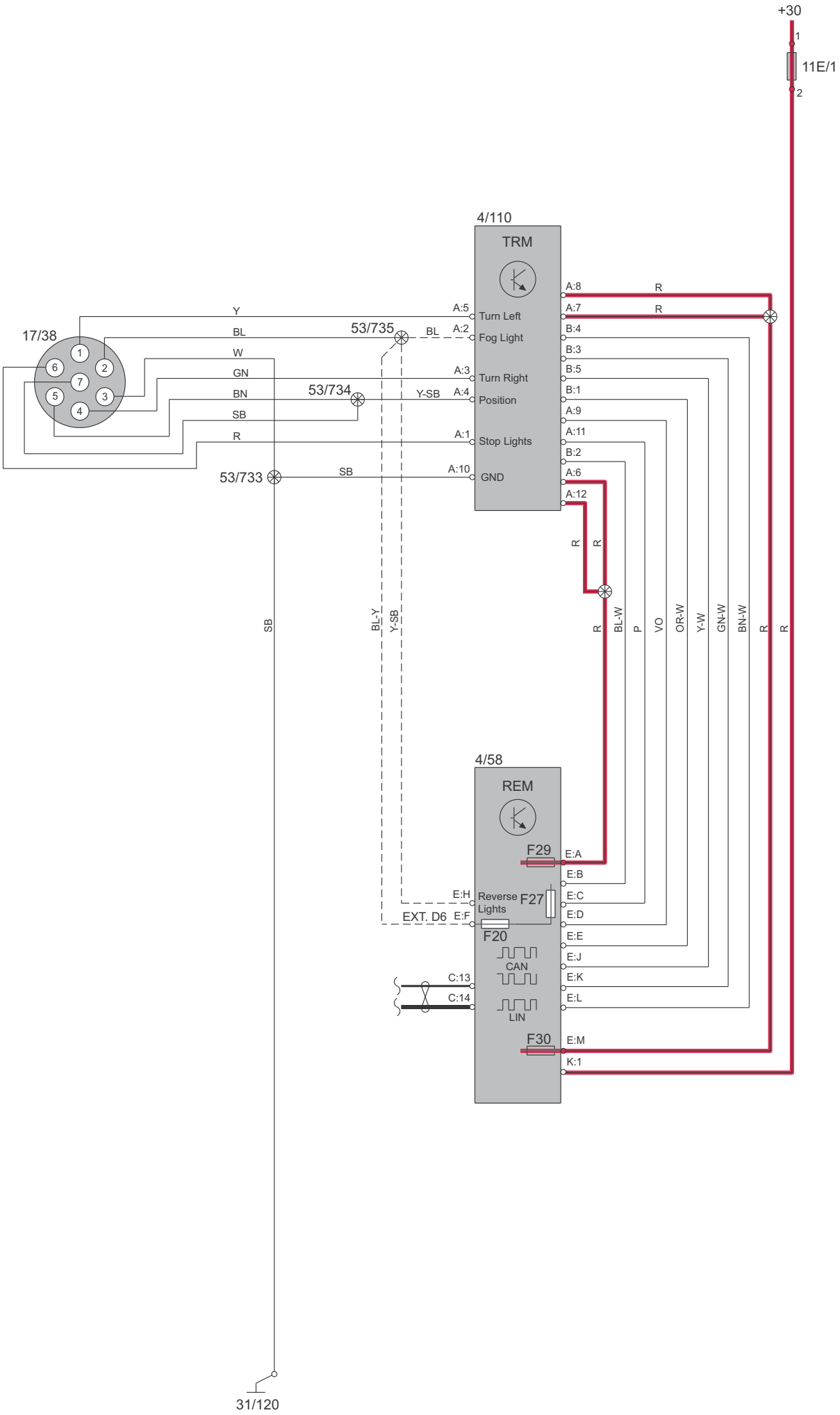
Pos	Function	Type
A:1	Electrical distribution	Ground
A:2	Electrical distribution	Feed
A:3	CAN communication	Input/output signals
A:4	CAN communication	Input/output signals
B:3	Remote start heater, radio signal	Input signal
B:5	Electric engine heater	Steering, alternating current feed
B:6	Parking assistance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


30+
11C/10
11C/9
R
53/425
4/56
CEM
CAN
LIN
HISPEED C:21
HISPEED C:22
HISPEED D:31
HISPEED D:46
HISPEED D:32
HISPEED D:47
LOSPEED D:34
LOSPEED D:49
LOSPEED D:35
LOSPEED D:50
LOSPEED D:36
LOSPEED D:51
LOSPEED D:37
LOSPEED D:52
LOSPEED D:38
LOSPEED D:53
LOSPEED D:39
LOSPEED D:54
D:48 HISPEED
D:33 HISPEED
D:40 LOSPEED
D:55 LOSPEED
W
W
53/438
BN
BN
BN
17/13
3 4 5 6
11 14 16
R
GN
GN
31/84
G040535

Group 37 Wiring and fuses
Outlet 12 V

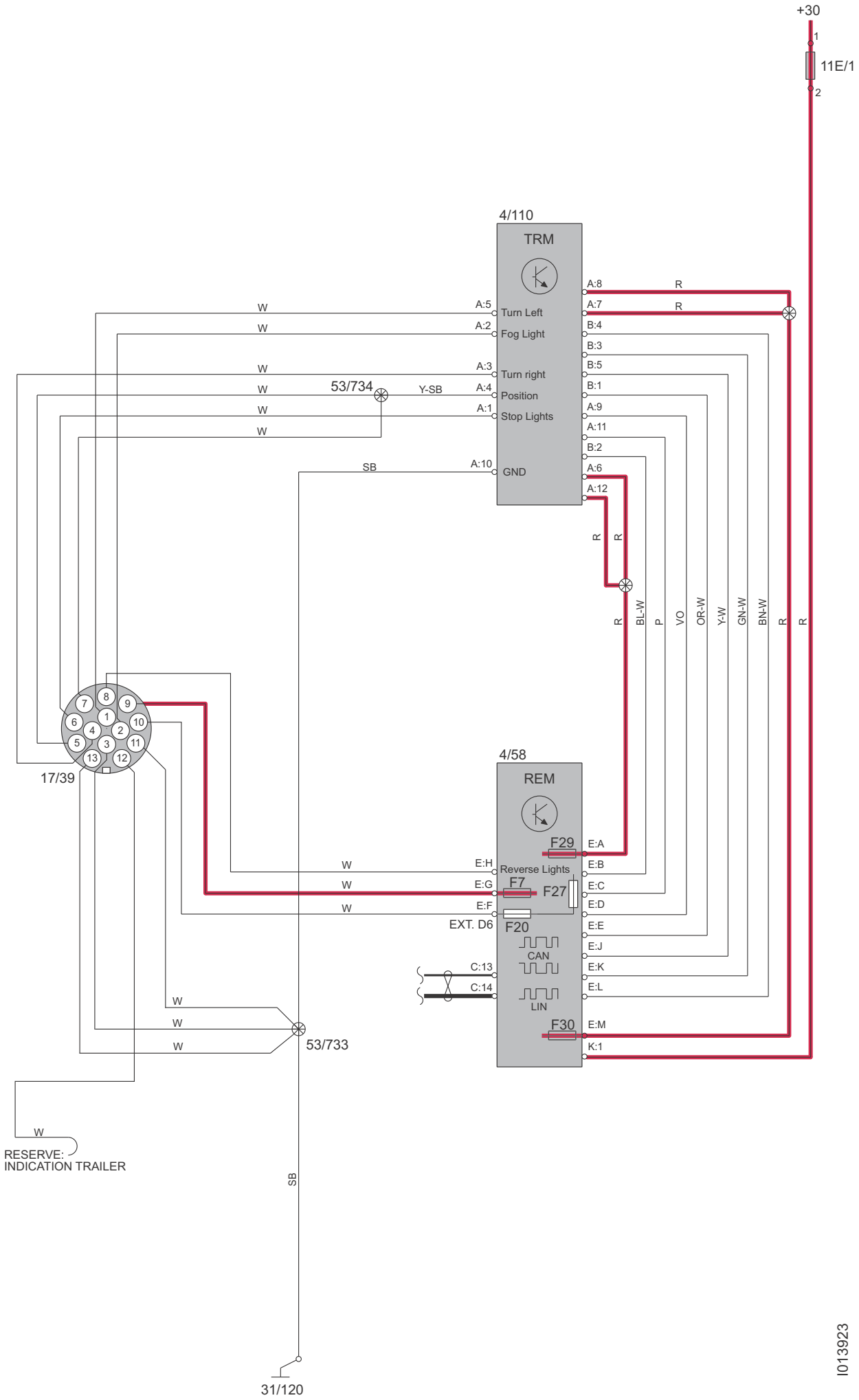


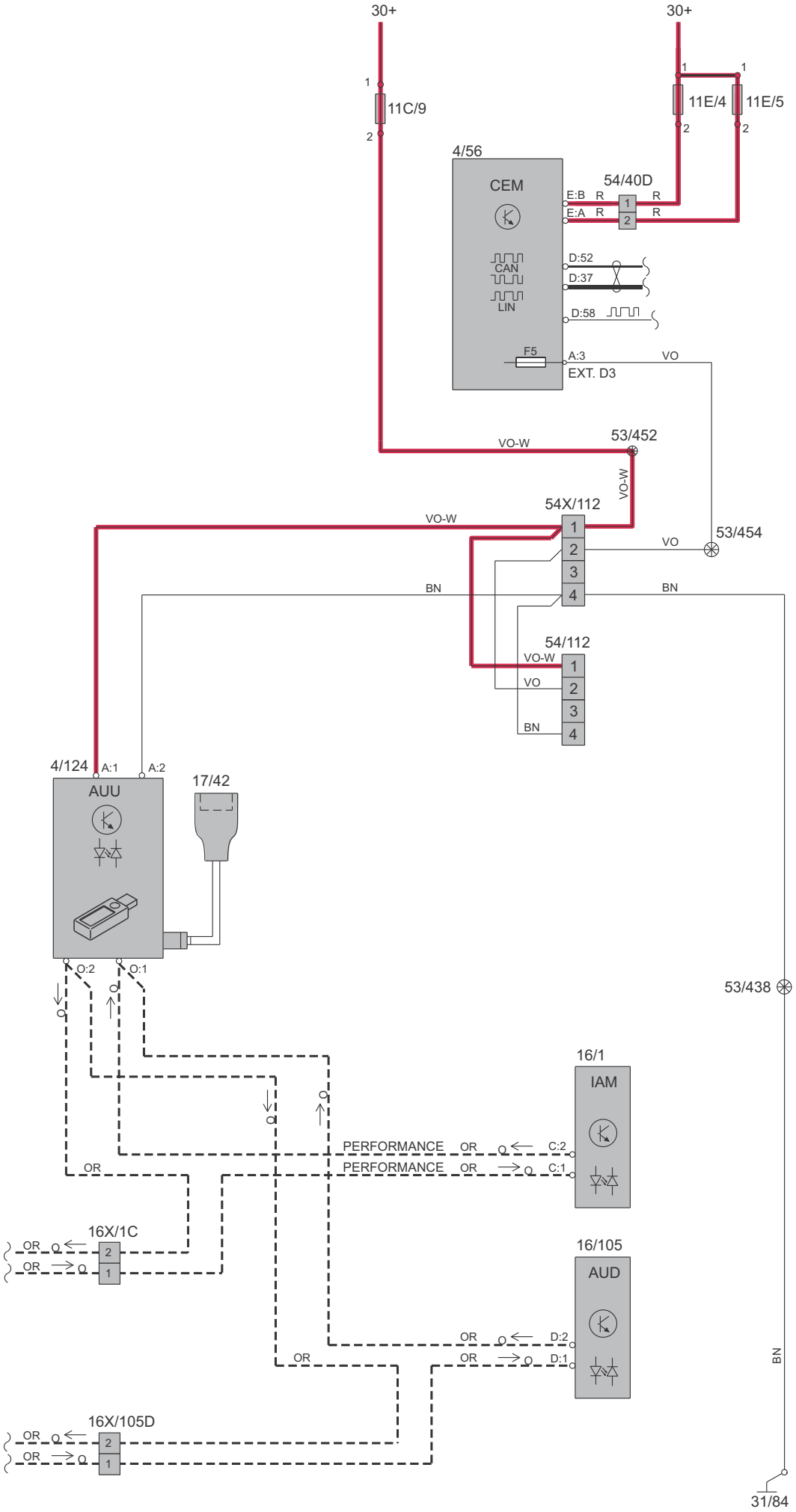

+30
1
11E/1
2
4/110
TRM
17/38
17/37
1
2
3
4
6 5
1 7 4
2 3
BN
R-W
GN
Y
W
SB
A:4
Position
A:3
Stop/Turn Right
A:5
Stop/Turn Left
A:10
GND
B:5
Stop/Turn Signal Left
B:3
Stop/Turn Signal Right
A:8
R
A:7
R
B:4
B:1
OR-W
A:9
A:11
B:2
A:6
R
A:12
R
Y-W
GN-W
OR-W
26/4
5
6
4
3
2
7
1
R
SB
VO
RESERVE:
REVERSE LIGHTS
BL
RESERVE:
STOP LIGHTS / ELECTRICAL BRAKE
SB
4/58
REM
F29
F27
F20
EXT. D6 E:F
CAN
C:13
C:14
LIN
F30
E:A
E:B
E:C
E:D
E:E
E:J
E:K
E:L
E:M
K:1
R
BL-W
P
VO
OR-W
Y-W
GN-W
BN-W
R
R
31/120
G040540


+30
1
11E/1
2
4/110
TRM
A:8
R
A:7
R
A:5
Turn Left
Y
17/38
BL
53/735
BL
A:2
Fog Light
B:4
B:3
W
B:5
GN
A:3
Turn Right
B:1
BN
53/734
Y-SB
A:4
Position
A:9
SB
A:11
R
A:1
Stop Lights
B:2
53/733
SB
A:10
GND
A:6
A:12
R
R
R
BL-W
P
VO
OR-W
Y-W
GN-W
BN-W
R
R
SB
BL-Y
Y-SB
4/58
REM
F29
E:A
E:B
E:H
Reverse Lights
F27
E:C
EXT. D6
E:F
E:D
F20
E:E
E:J
CAN
C:13
E:K
C:14
E:L
LIN
F30
E:M
K:1
31/120

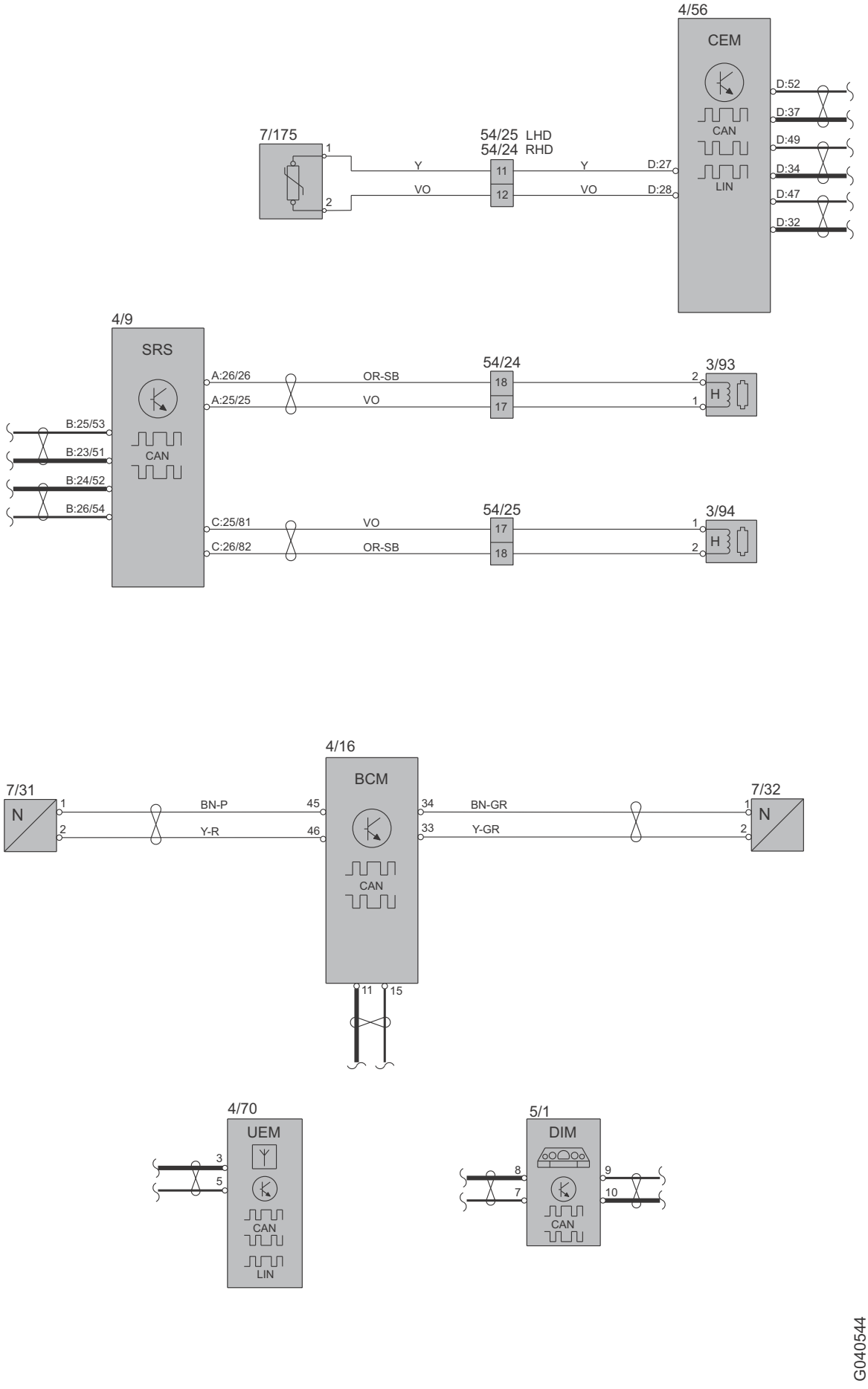
G040538

Group 37 Wiring and fuses, Accessories
Cable harness towbar/tow hitch 13-pin

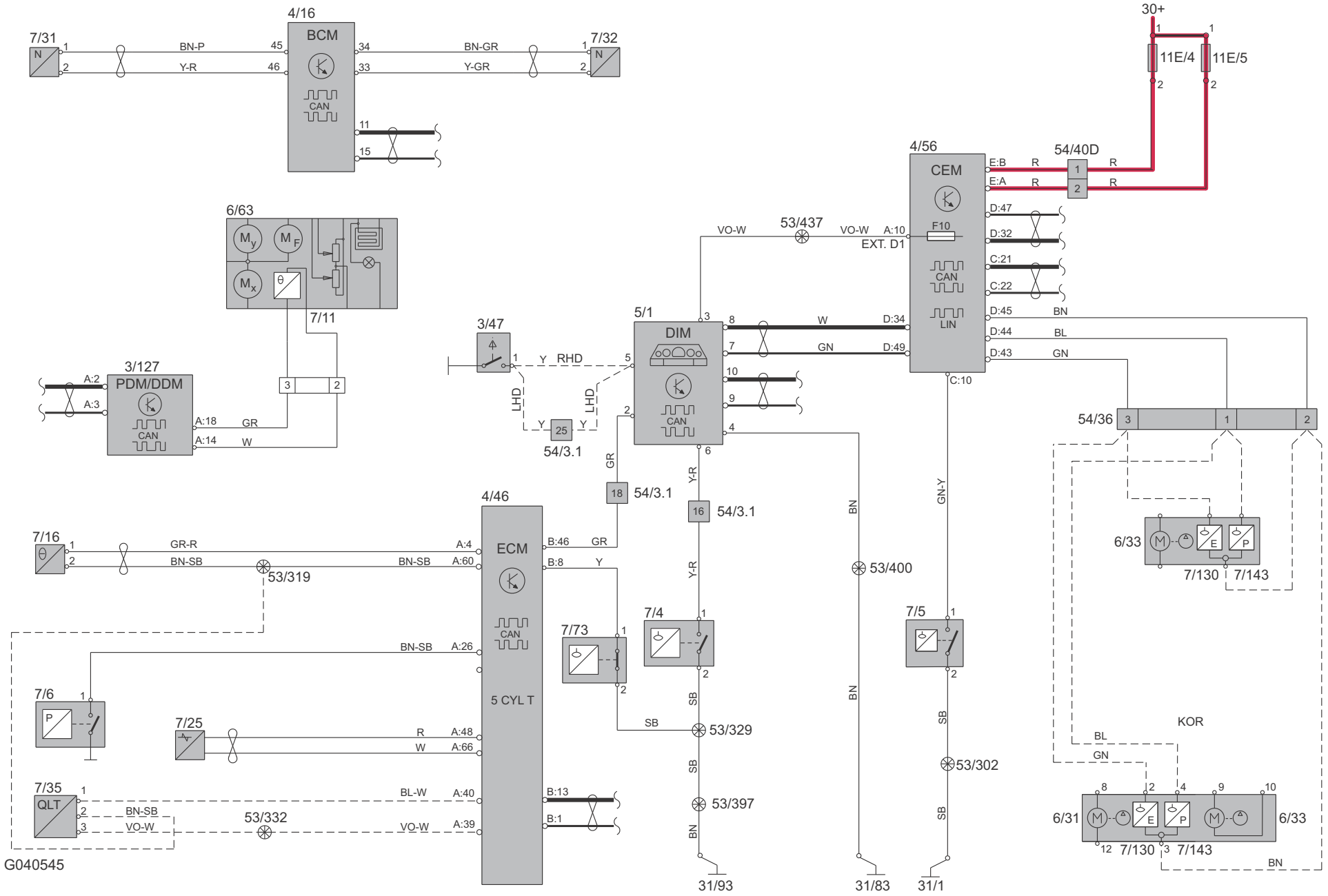



30+
30+
11C/9
11E/4
11E/5
4/56
CEM
54/40D
E:B R
E:A R
D:52
D:37
D:58
CAN
LIN
F5
A:3
EXT. D3
VO
VO-W
53/452
54X/112
53/454
BN
54/112
4/124
A:1
A:2
AUU
17/42
O:2
O:1
53/438
16/1
IAM
PERFORMANCE
C:2
C:1
OR
16X/1C
16/105
AUD
D:2
D:1
16X/105D
31/84
G040537

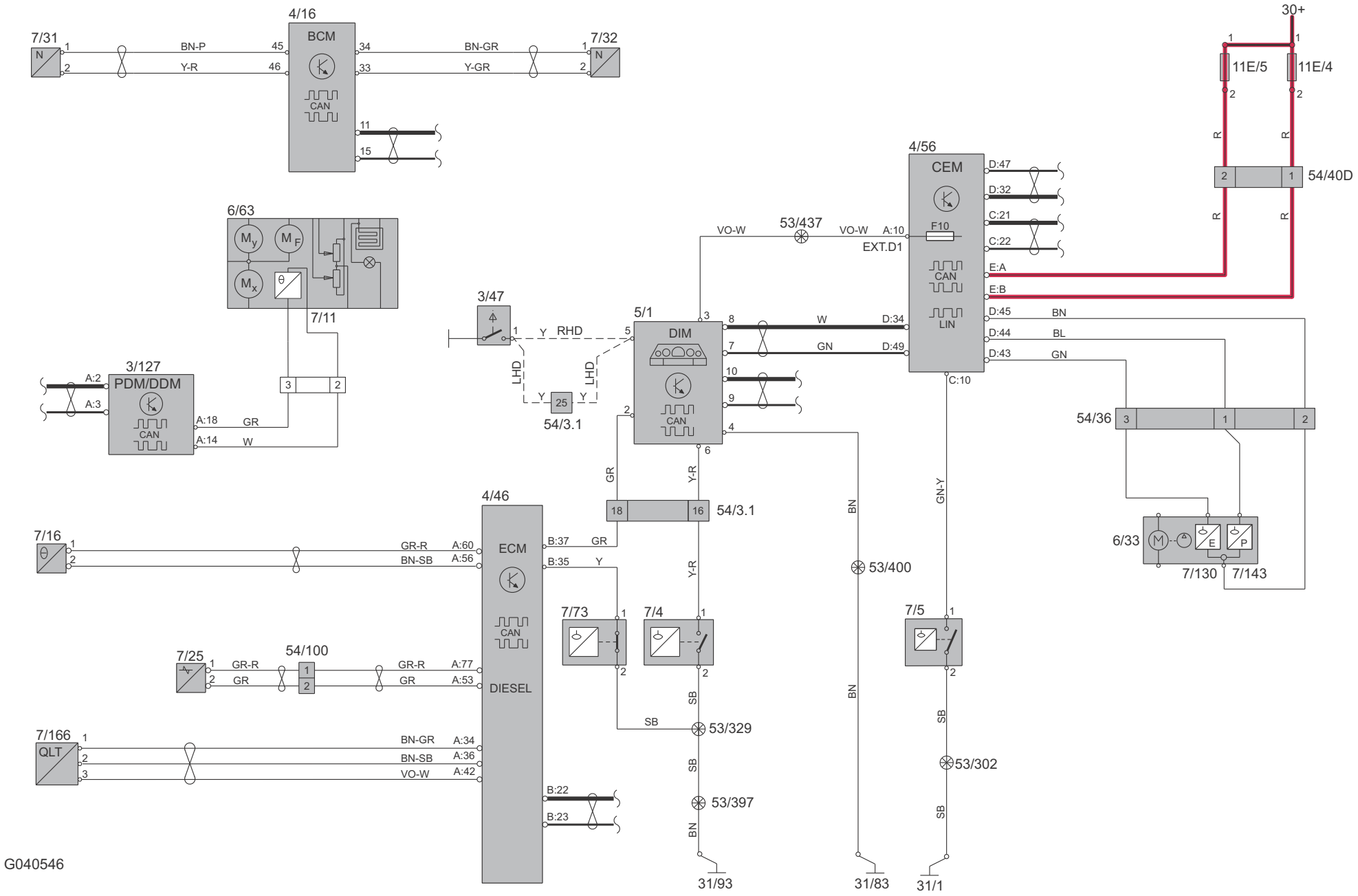
Group 38 Instruments
Seat belt reminder



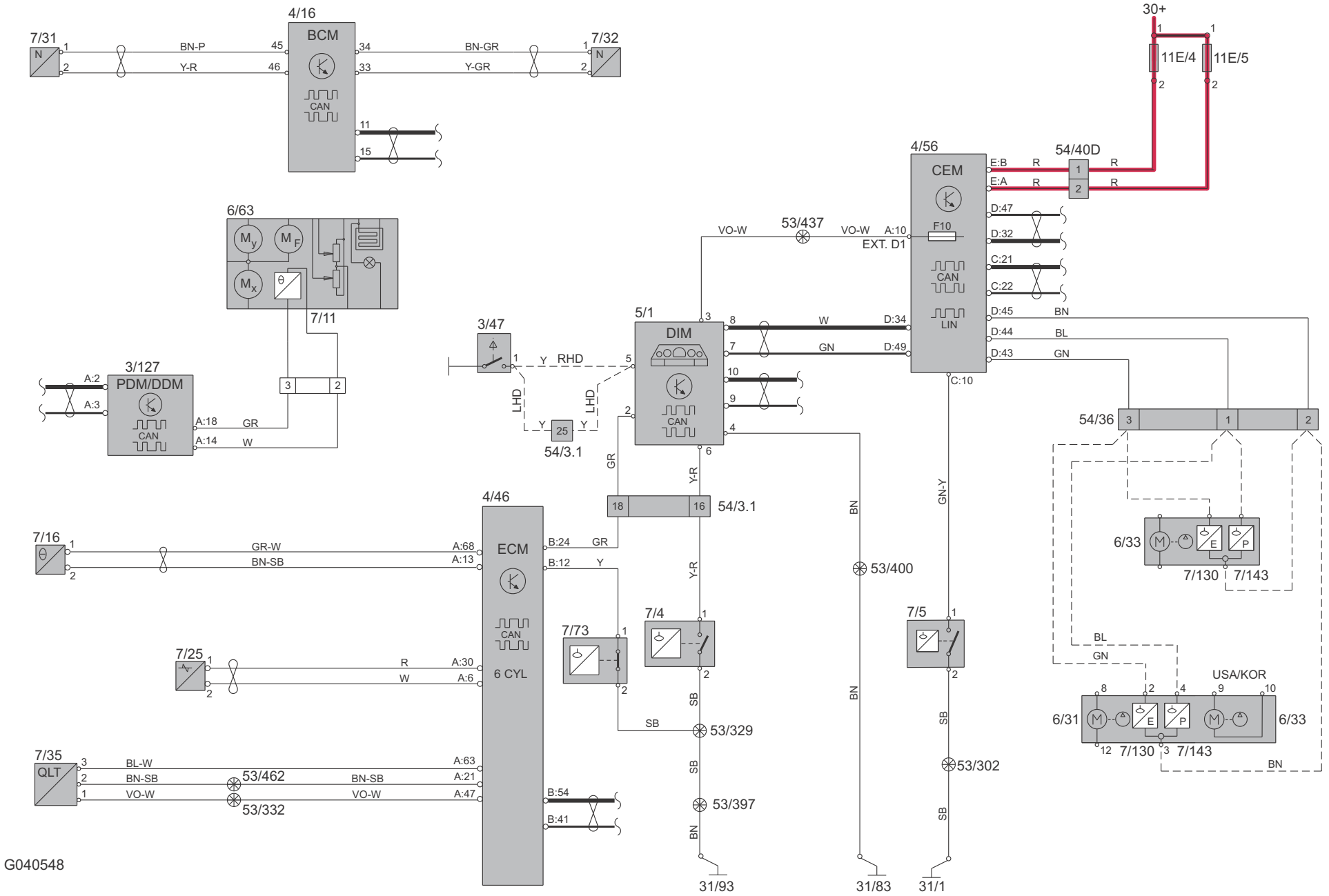
Group 38 Instruments
Driver information module 5-Cyl.



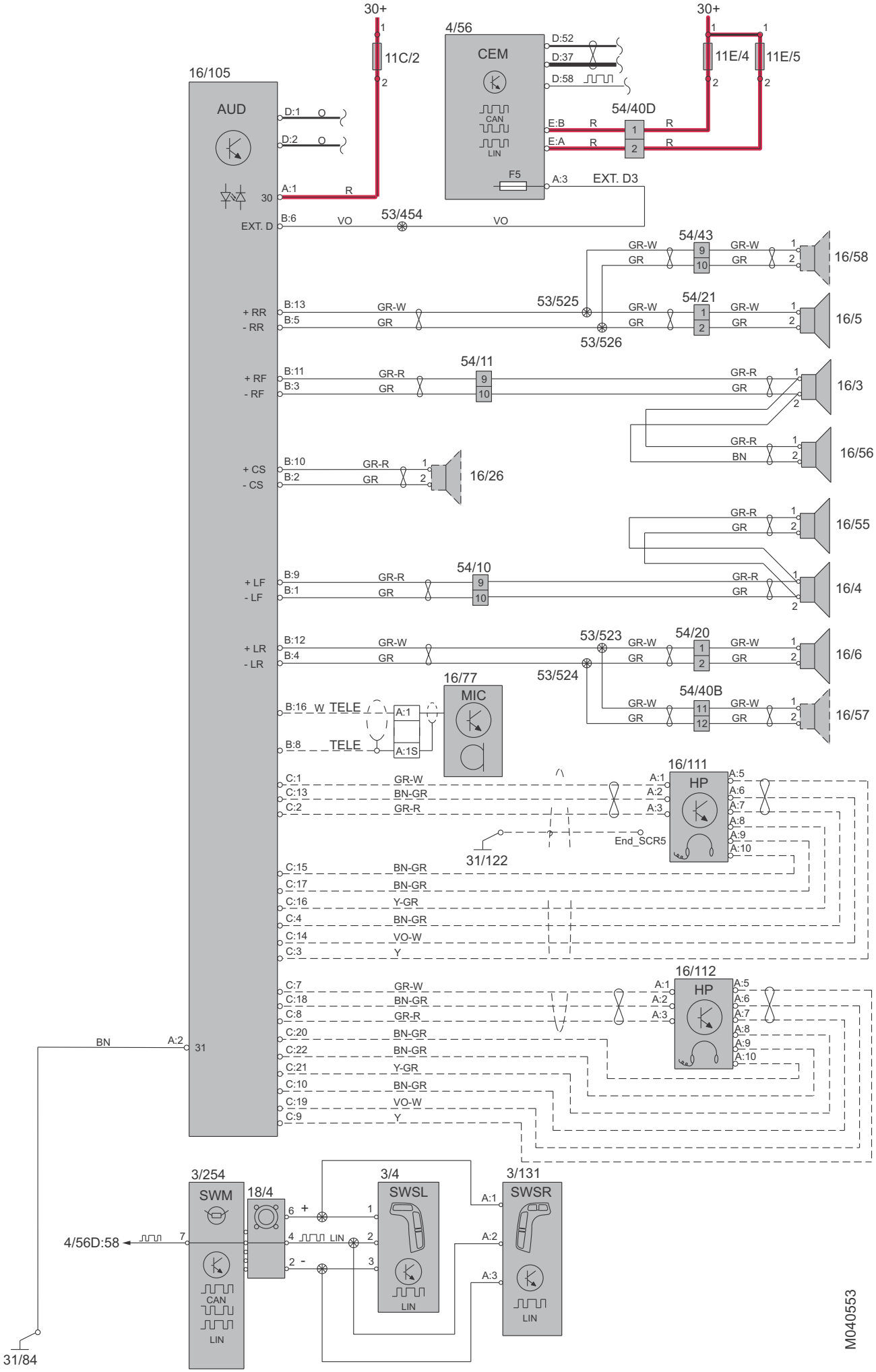
Group 38 Instruments
Driver information module Diesel



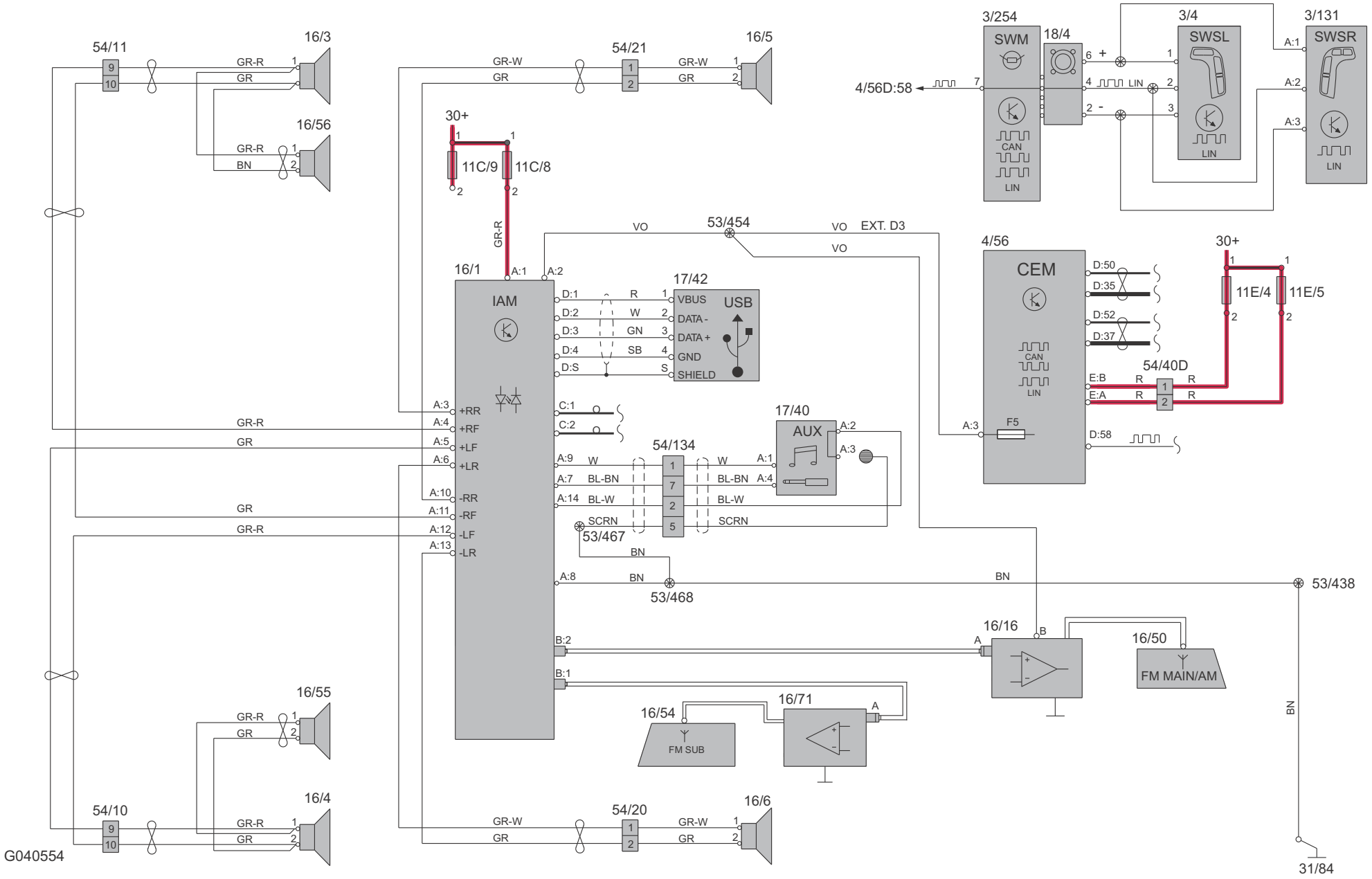
Group 38 Instruments
Driver information module 6-Cyl.

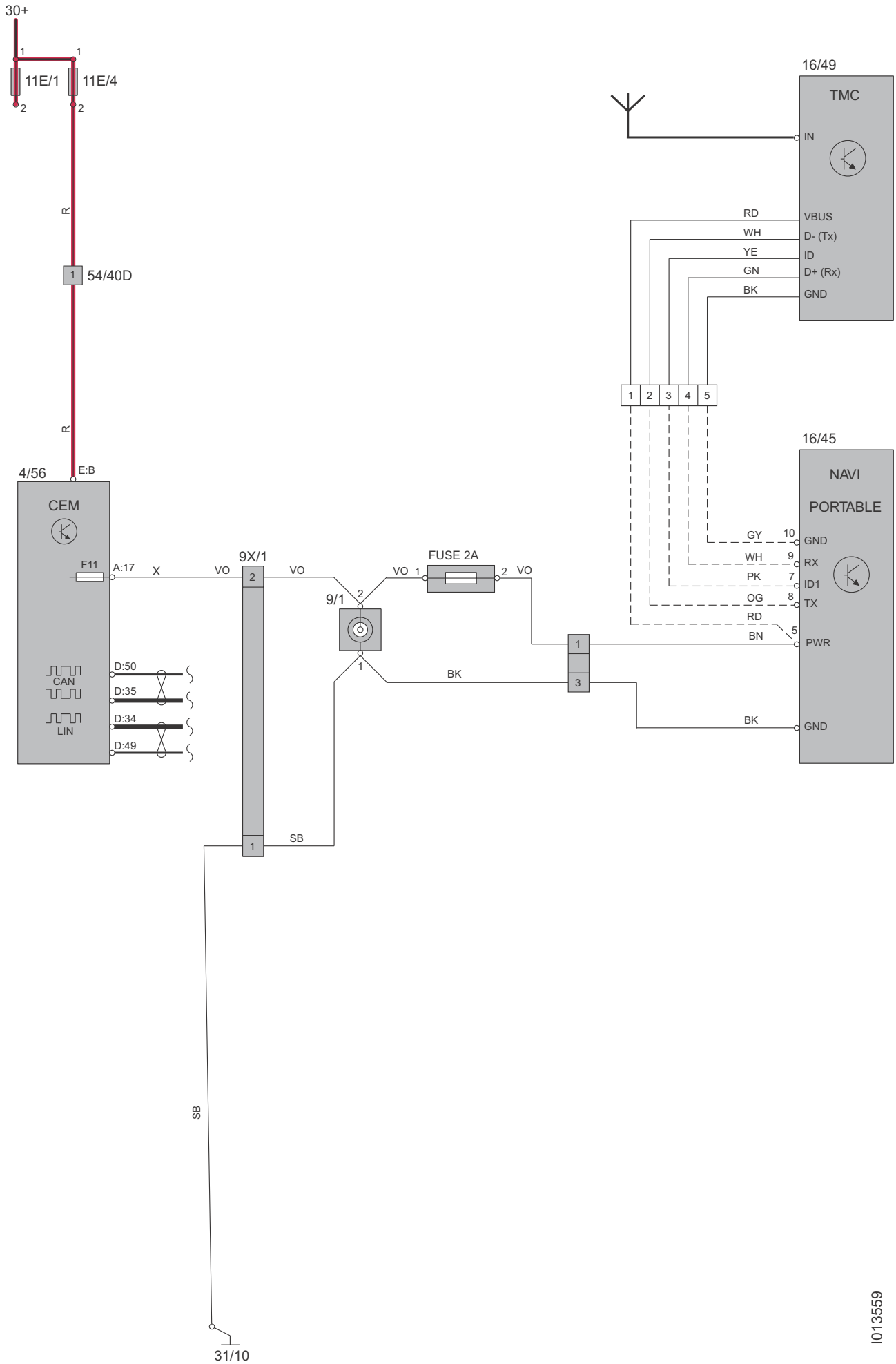


Audio with external amplifier

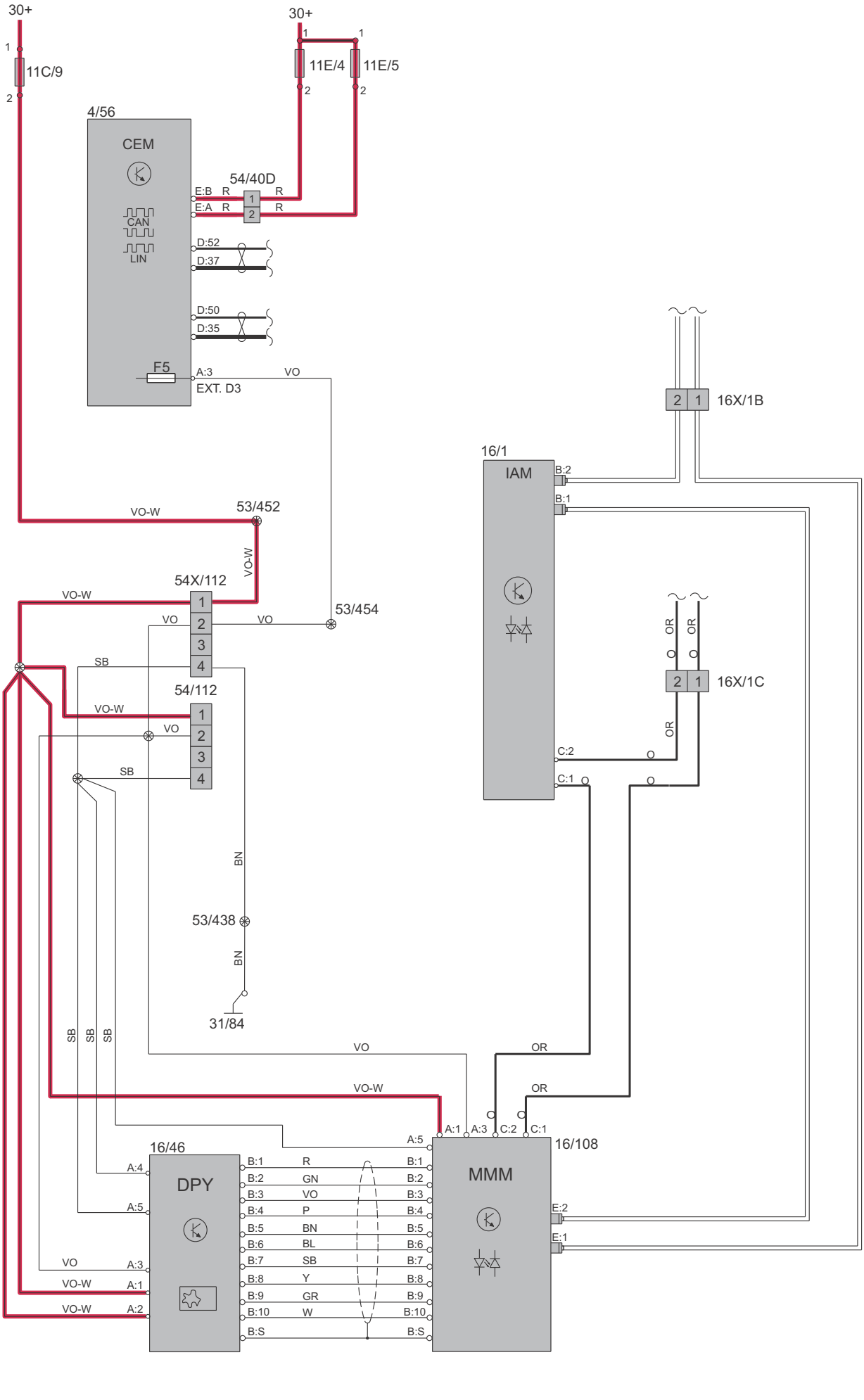


Group 39 Other
Audio with internal amplifier

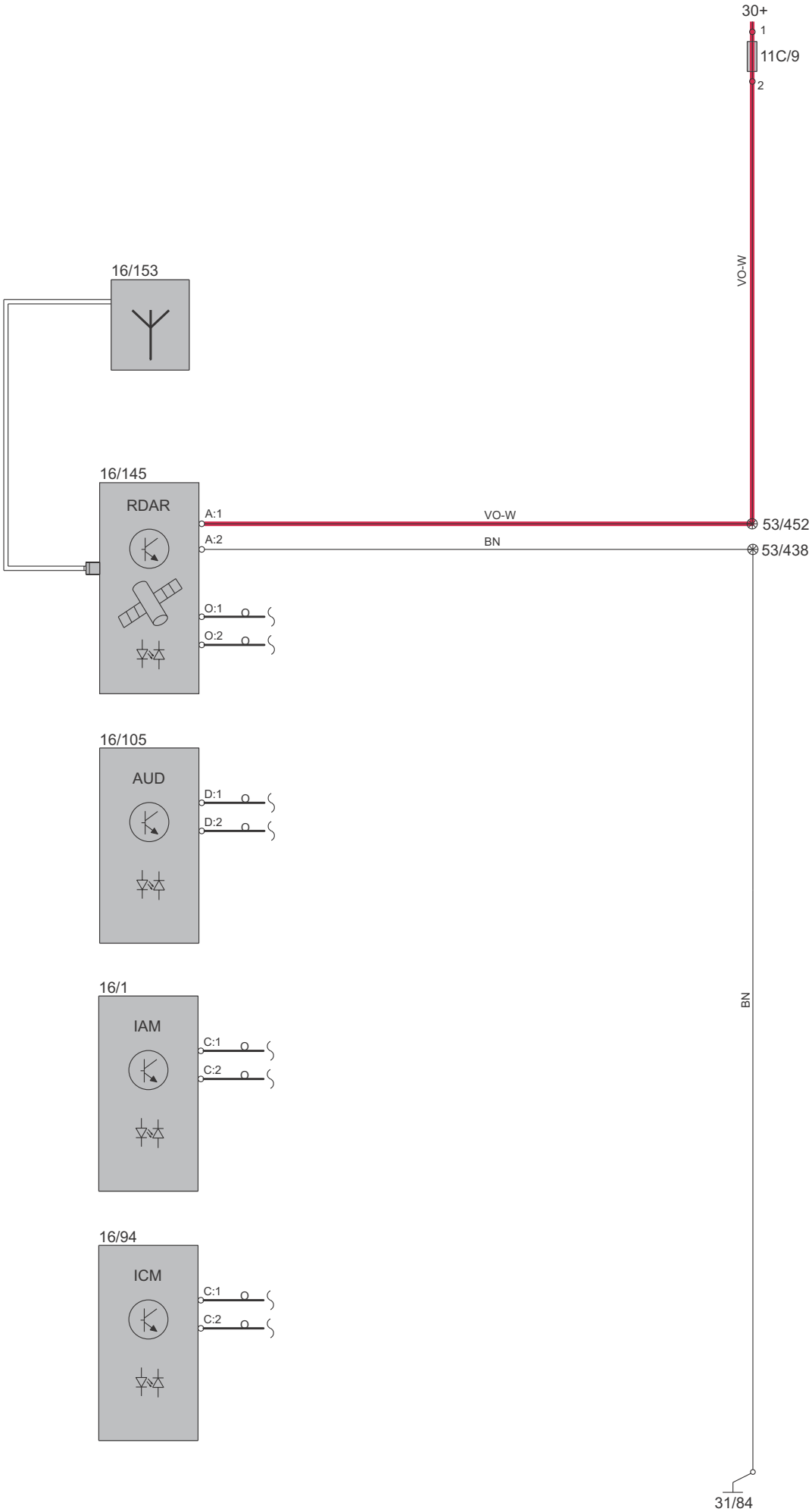



30+
11E/1
11E/4
R
54/40D
R
4/56
E:B
CEM
F11
A:17
X
9X/1
VO
VO
9/1
FUSE 2A
VO
VO
BK
SB
SB
31/10
D:50
D:35
D:34
D:49
CAN
LIN
16/49
TMC
IN
RD
WH
YE
GN
BK
VBUS
D- (Tx)
ID
D+ (Rx)
GND
16/45
NAVI
PORTABLE
GY
WH
PK
OG
RD
BN
BK
GND
RX
ID1
TX
PWR
GND
I013559

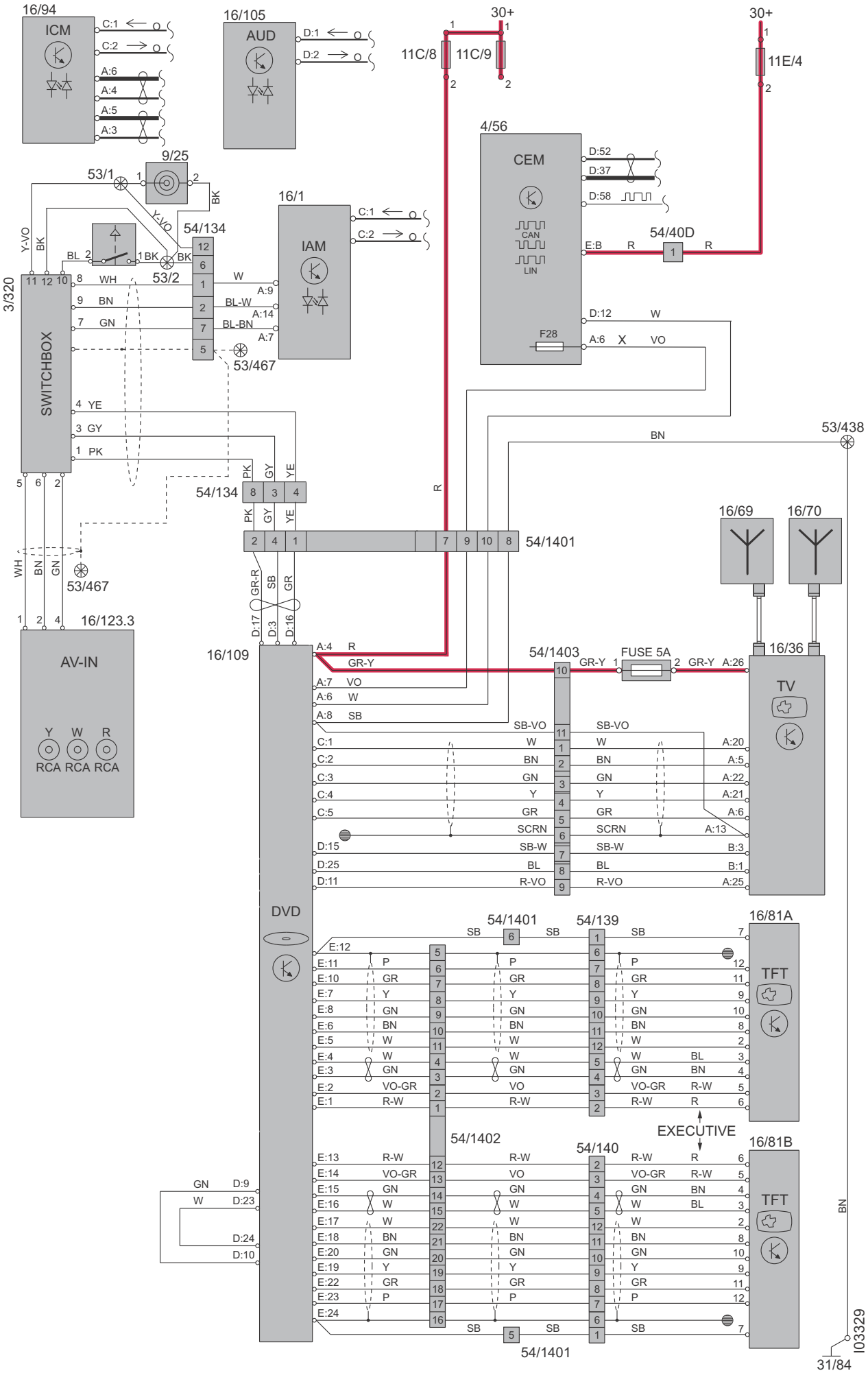
Group 39 Other, Accessories
Road Traffic Information (RTI)



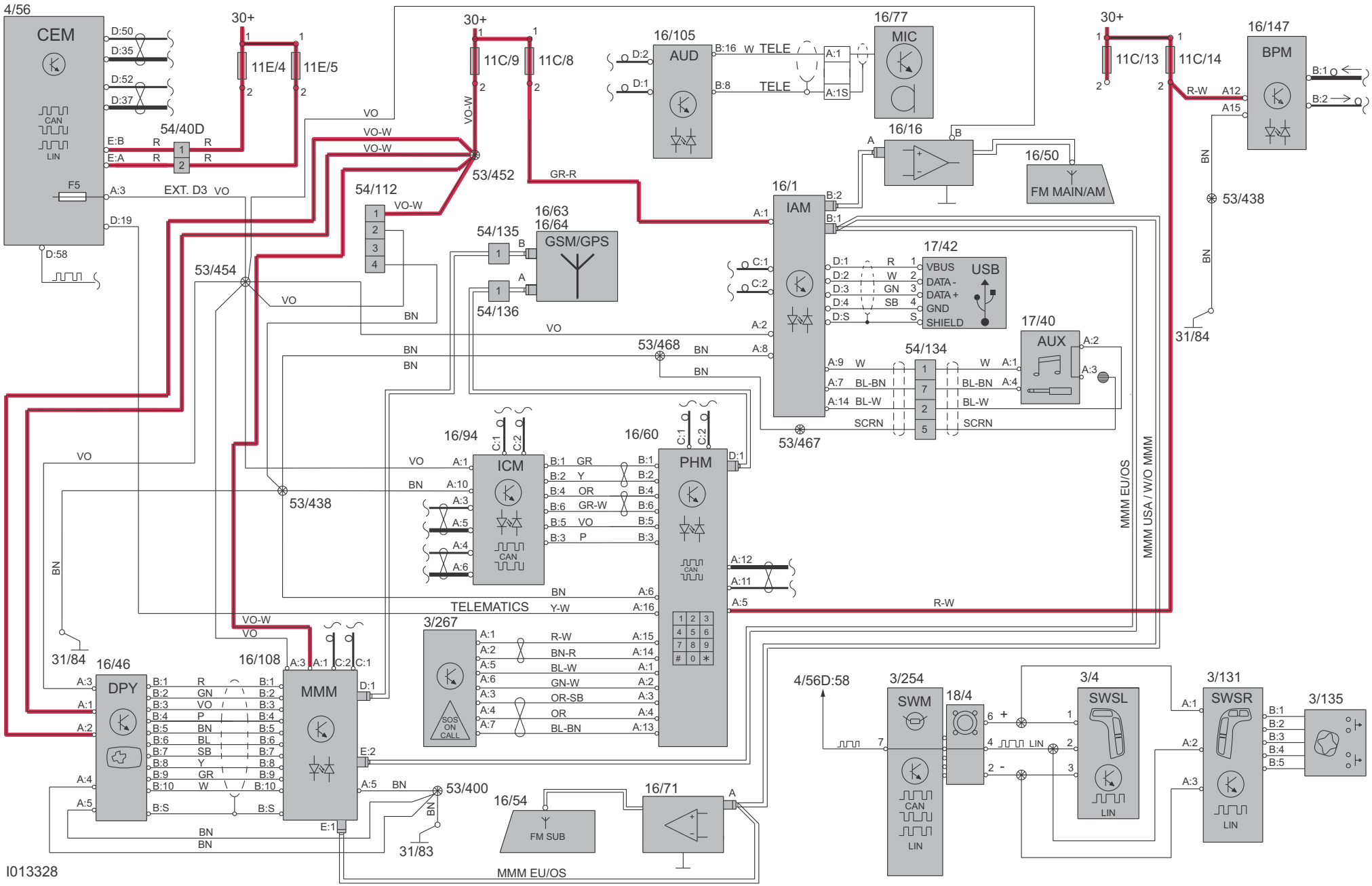
G040560


30+
1
11C/9
2
VO-W
16/153
16/145
RDAR
A:1
VO-W
53/452
A:2
BN
53/438
O:1
O:2
16/105
AUD
D:1
D:2
16/1
IAM
C:1
C:2
16/94
ICM
C:1
C:2
BN
31/84
G040561

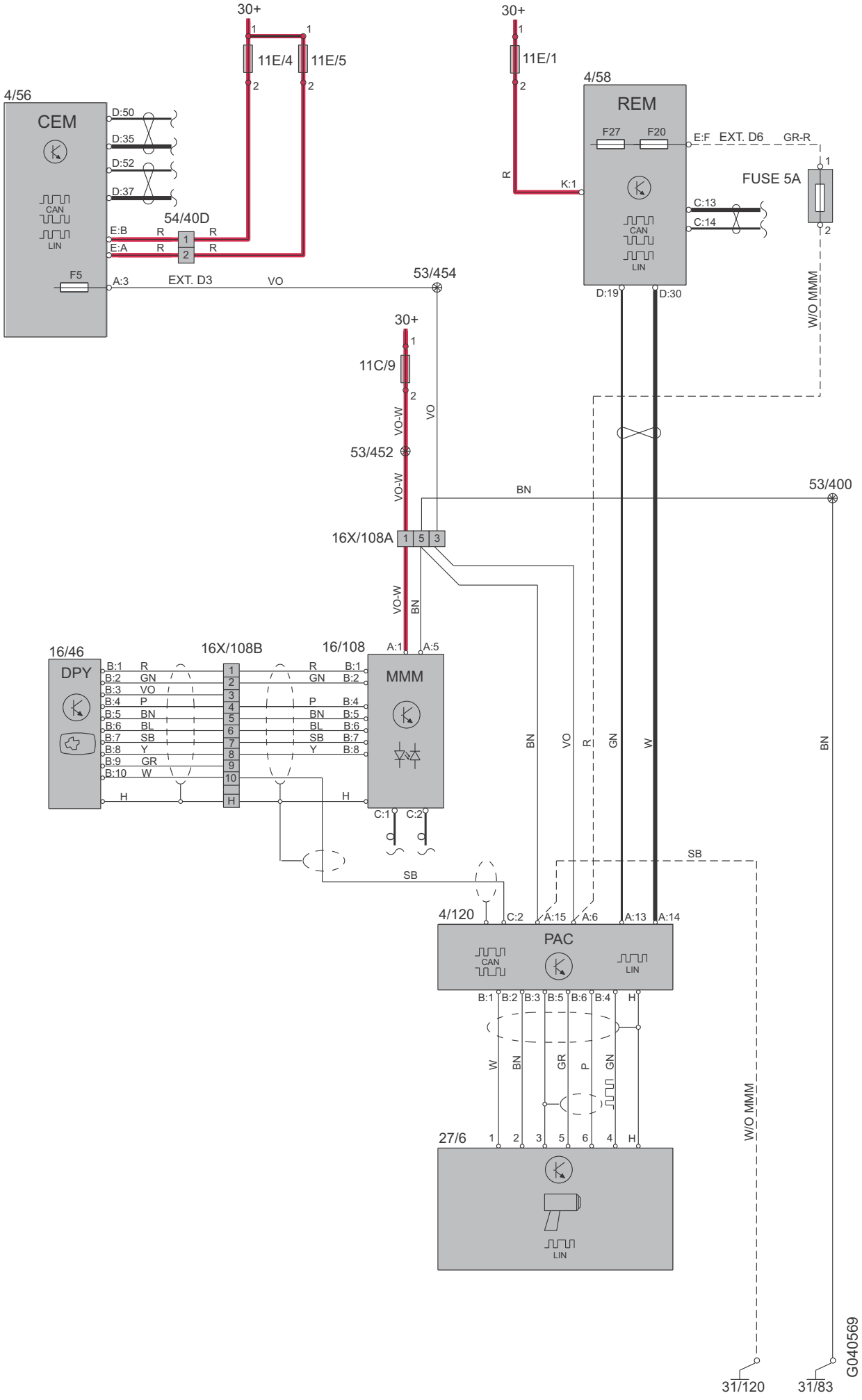
Group 39 Other
Rear seat entertainment



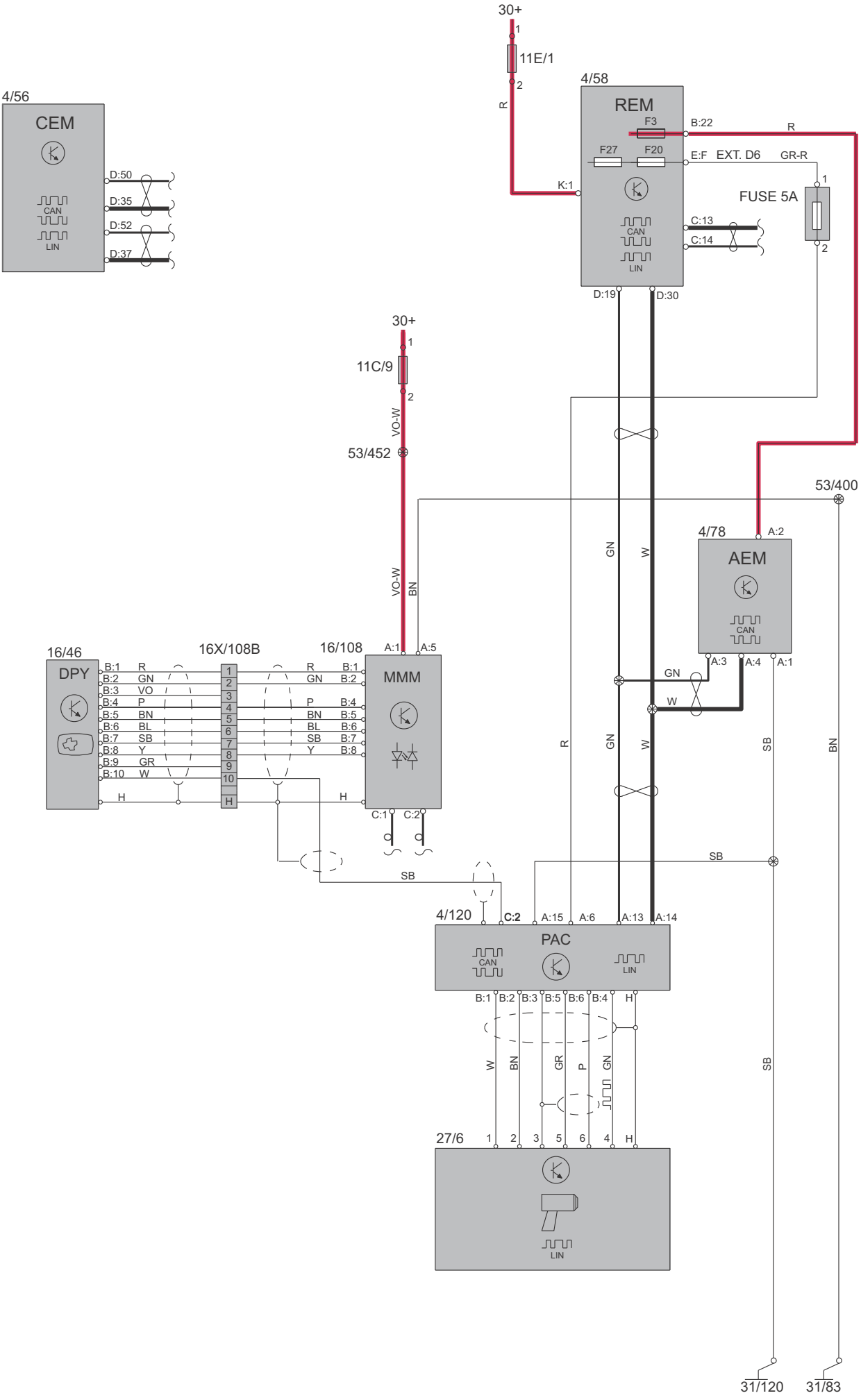
Group 39 Other
Sensus



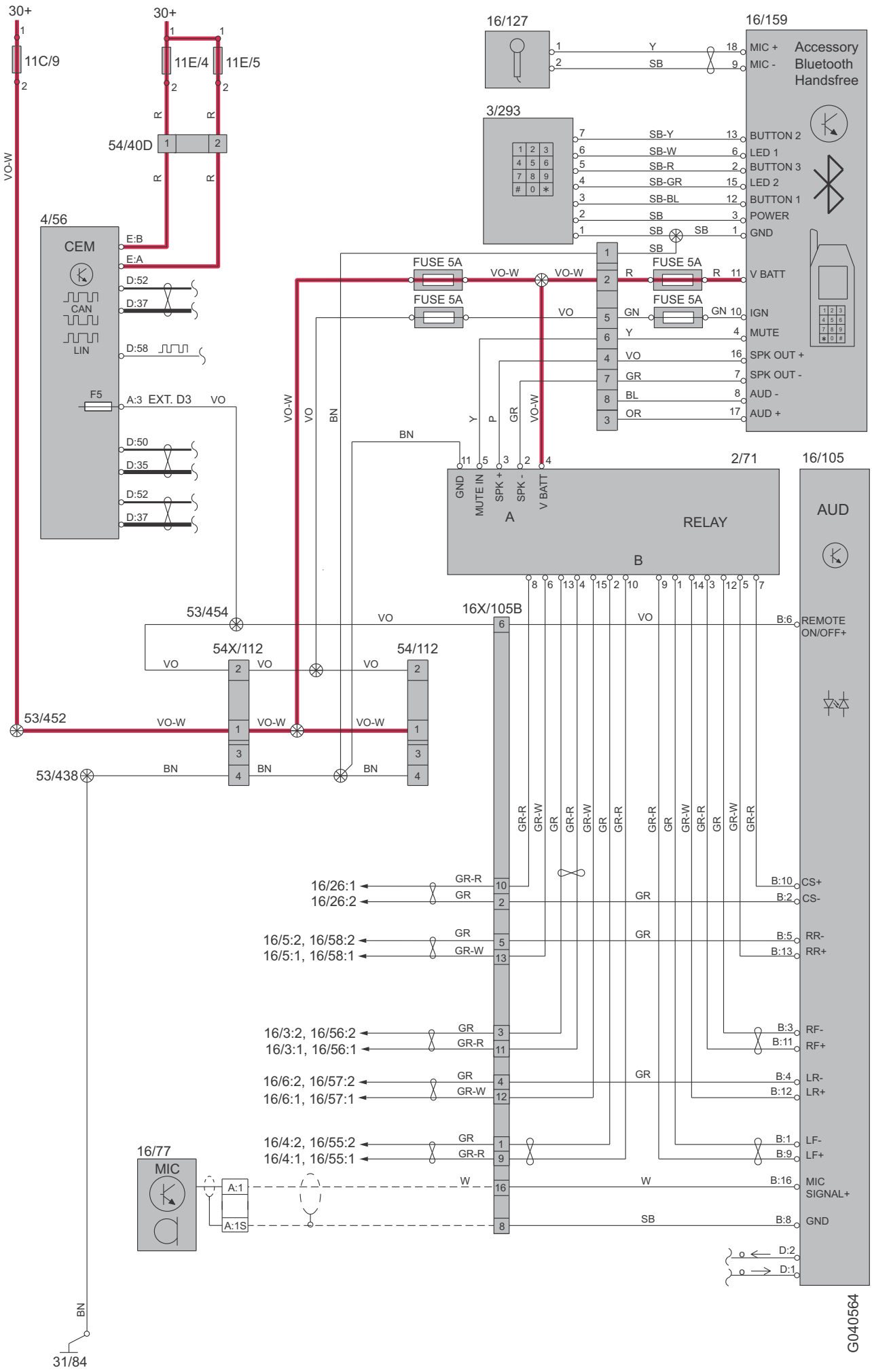
Group 39 Other, Accessories
Parking camera



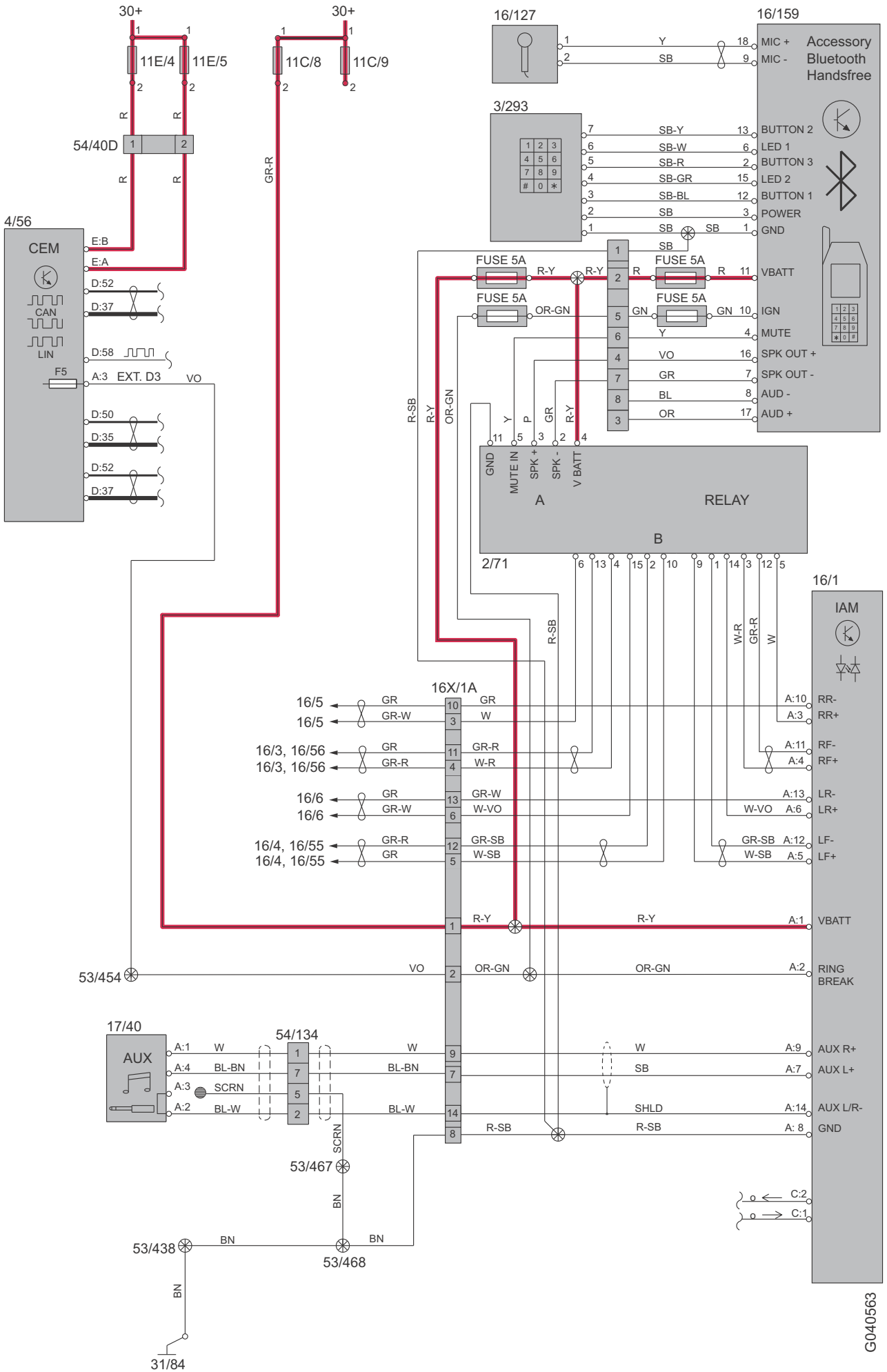
Group 39 Other, Accessories
Parking camera & AEM



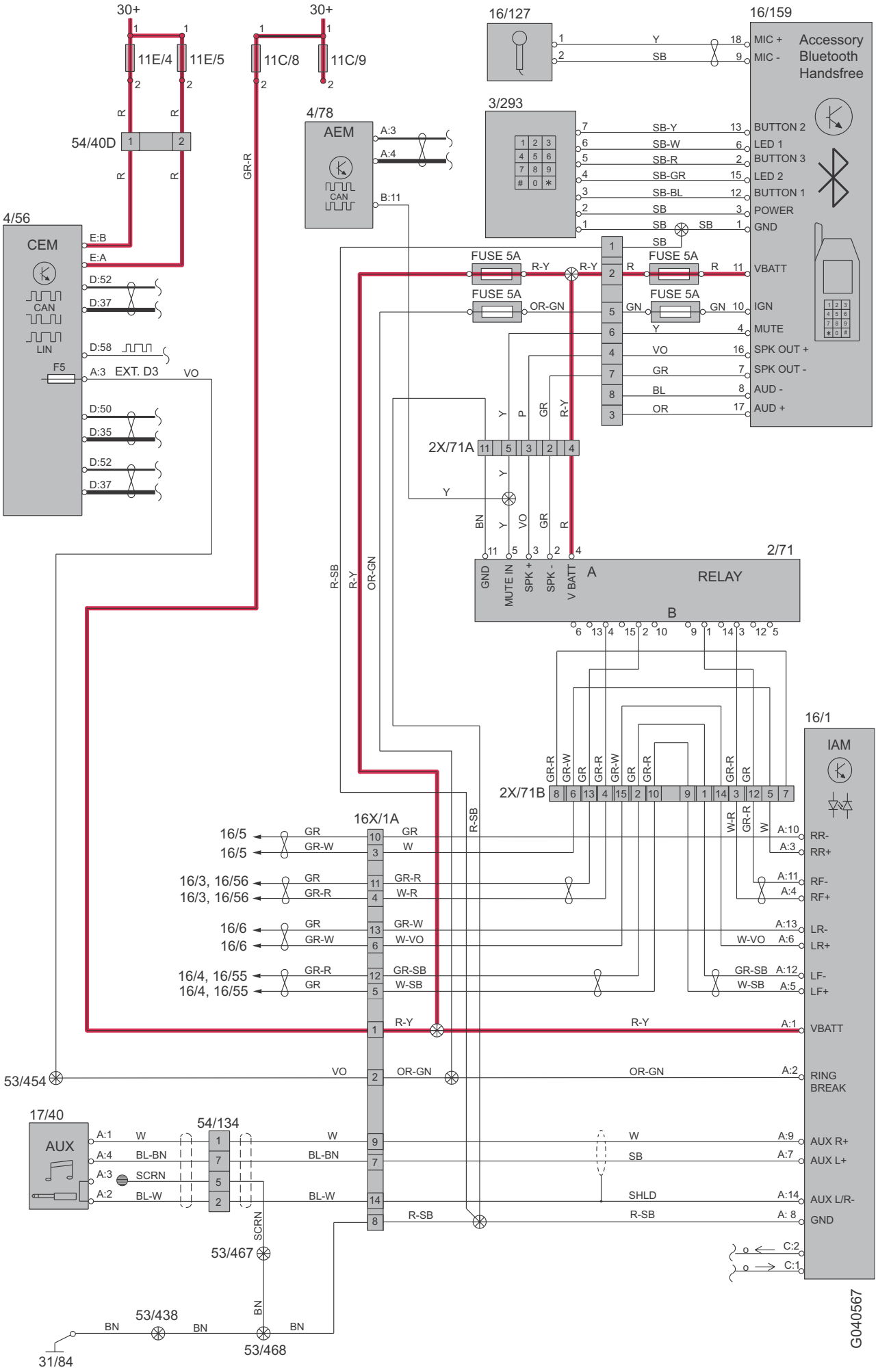
Group 39 Other, Accessories
Bluetooth handsfree, external amplifier



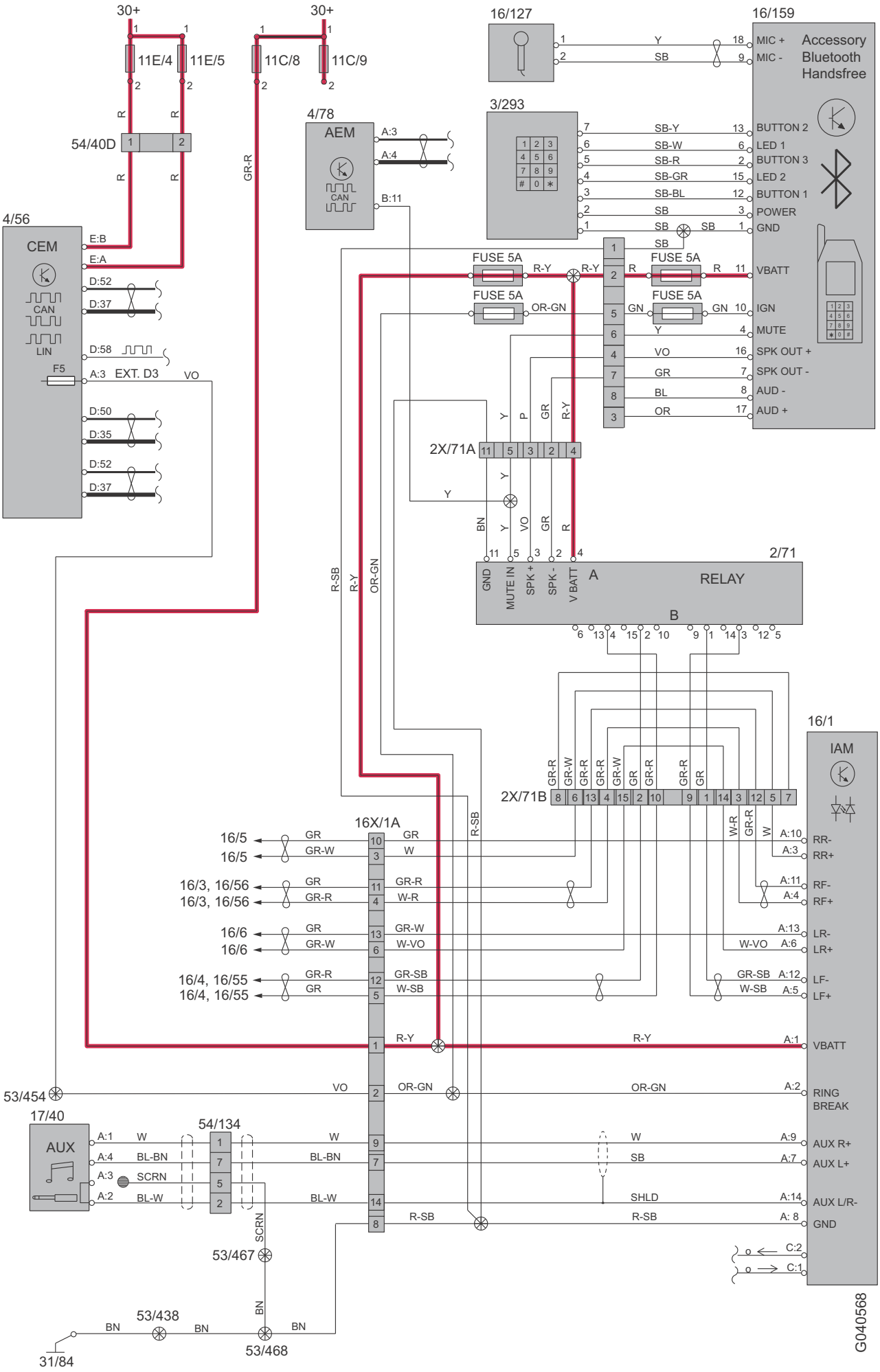
Group 39 Other, Accessories
Bluetooth handsfree, internal amplifier



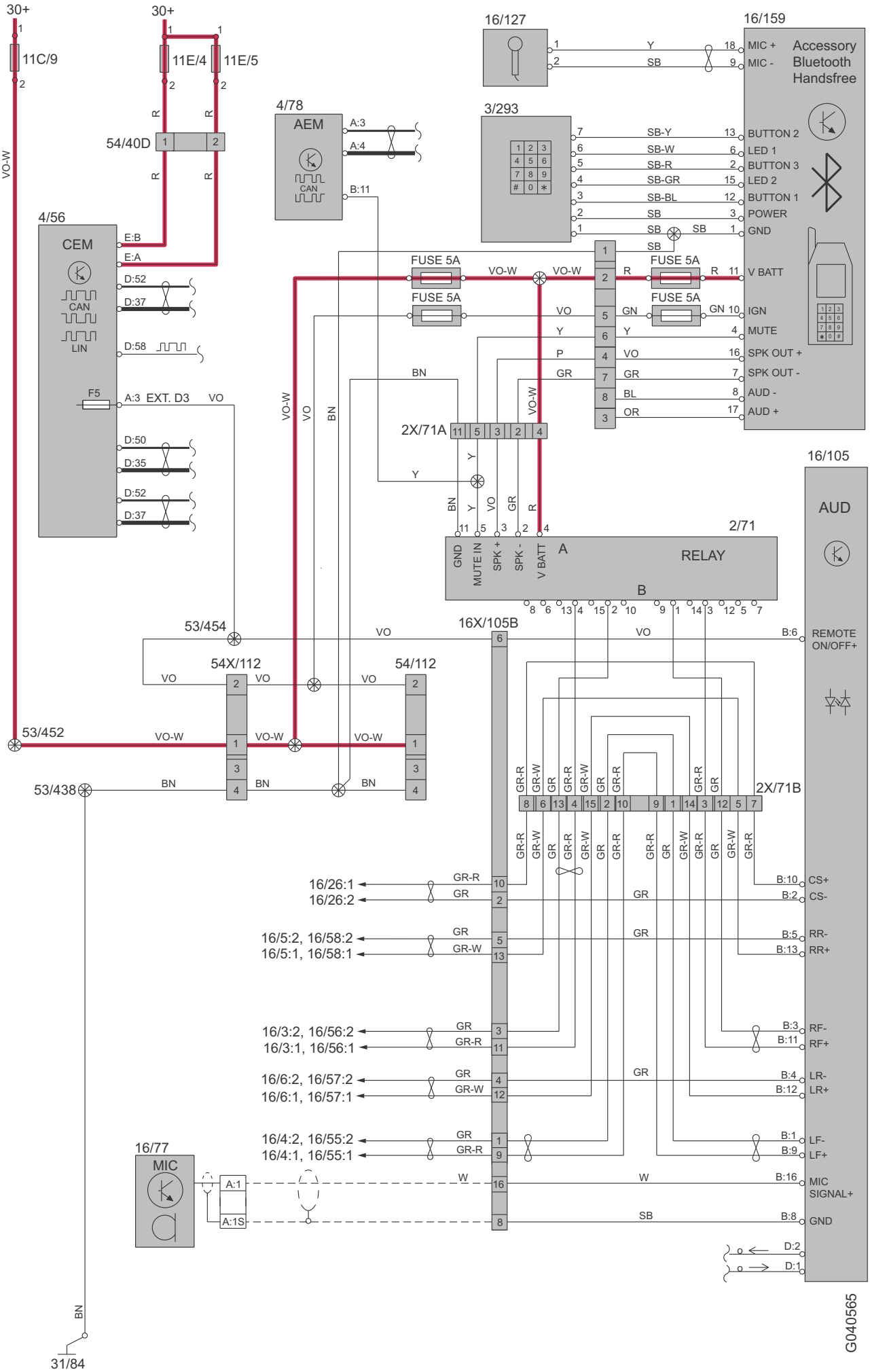
Group 39 Other, Accessories
Bluetooth handsfree with AEM, internal amplifier, LHD



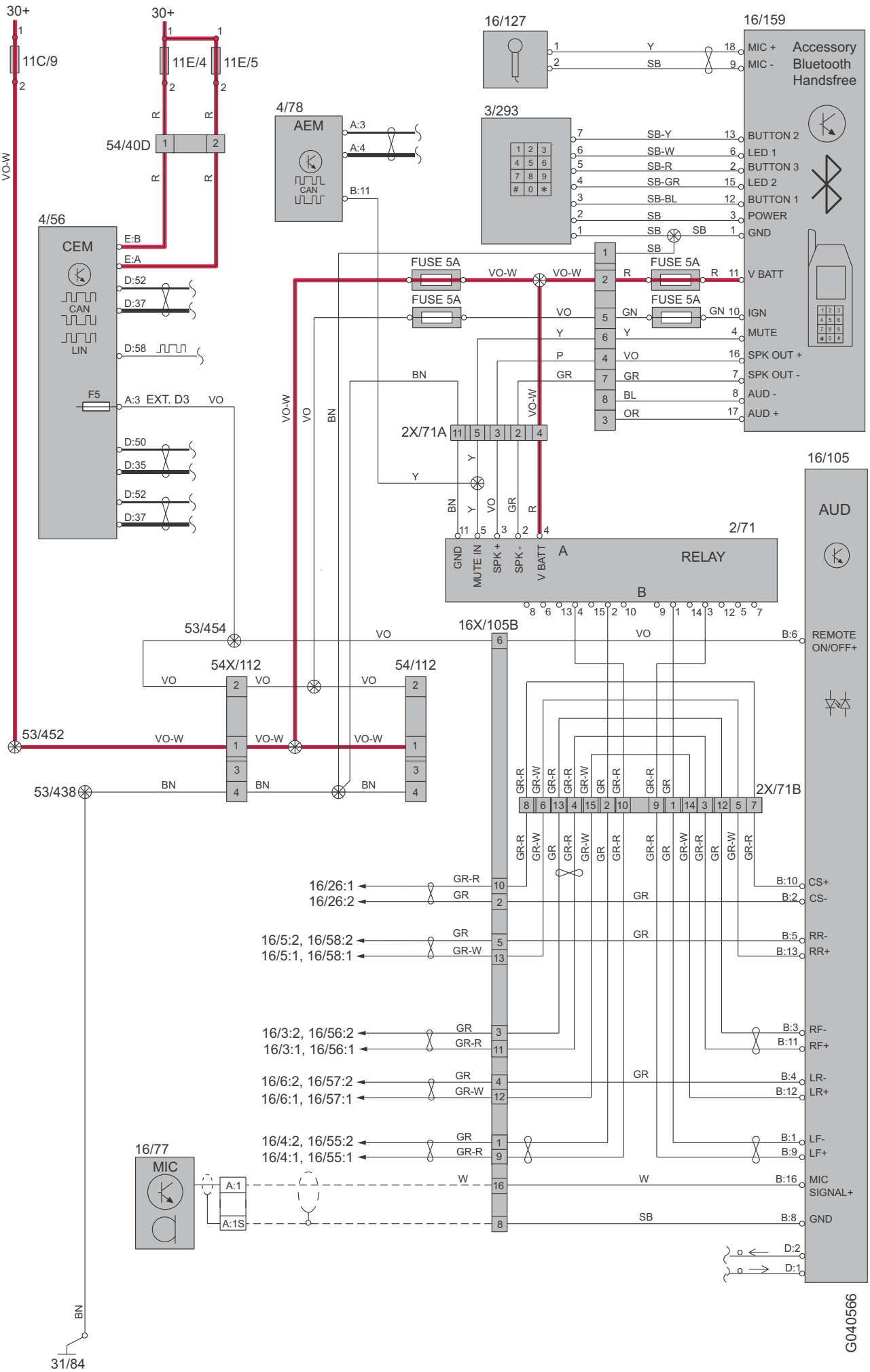
Group 39 Other, Accessories
Bluetooth handsfree with AEM, internal amplifier, RHD

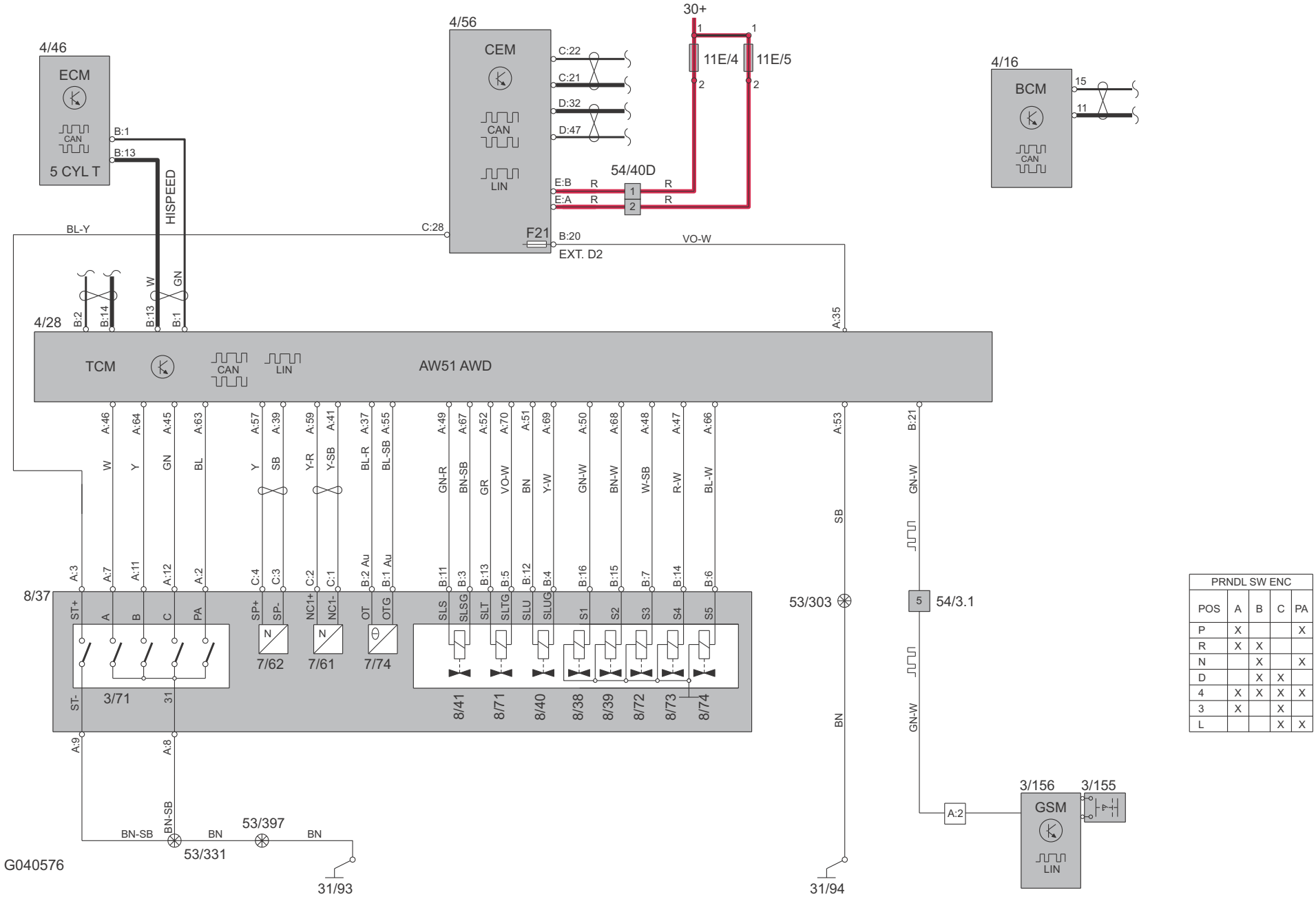


Group 39 Other, Accessories
Bluetooth handsfree with AEM, external amplifier, LHD

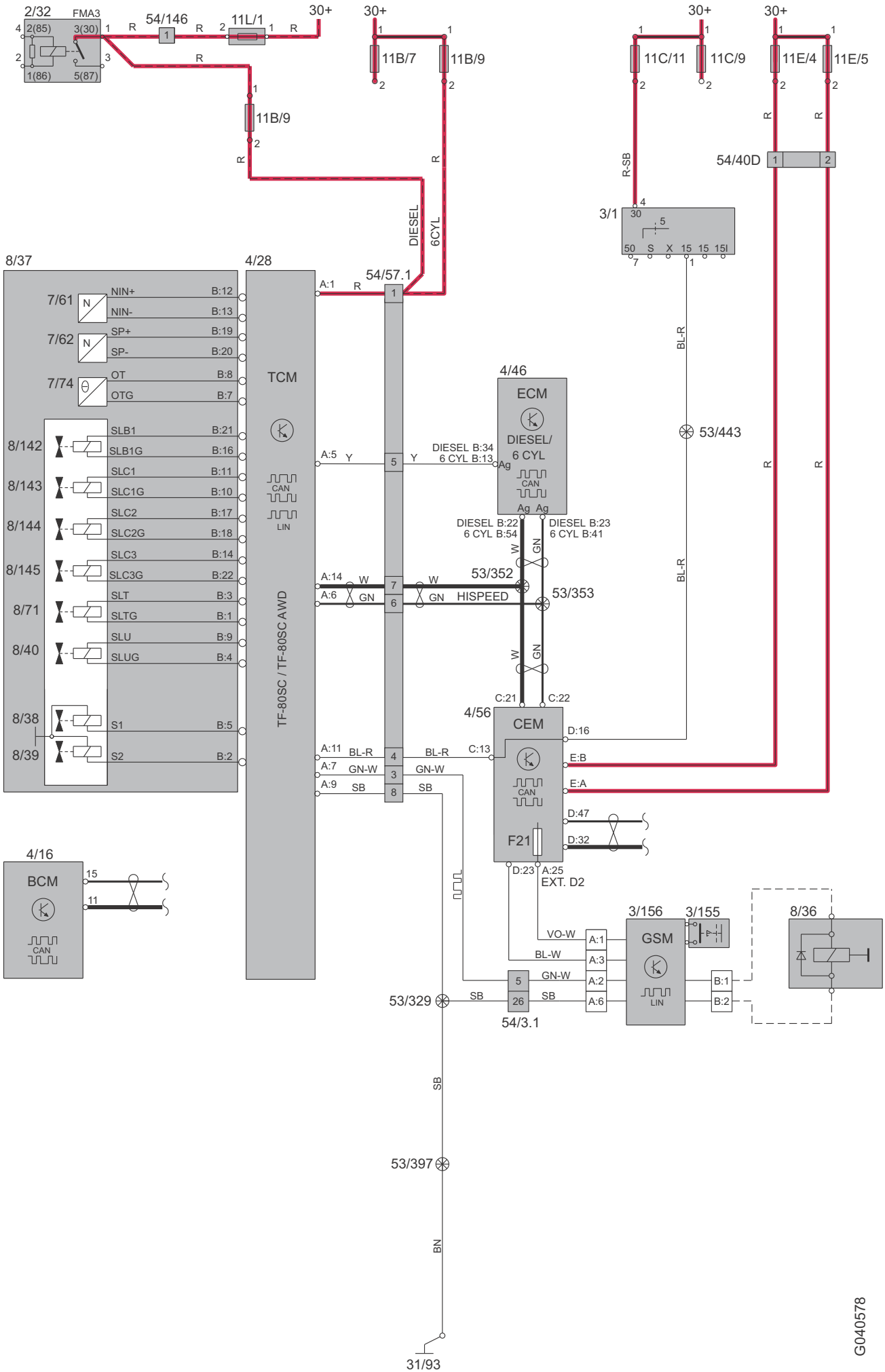


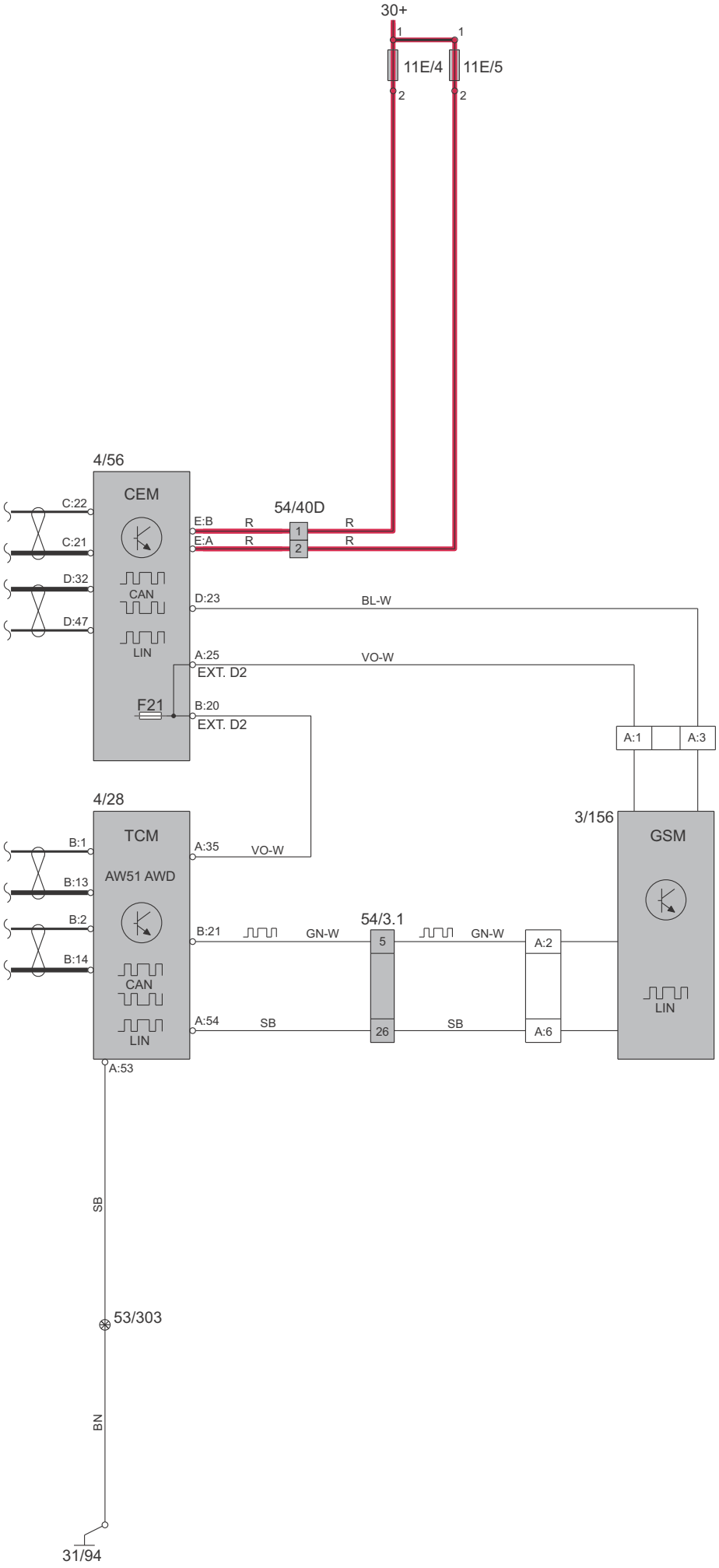
Group 39 Other, Accessories
Bluetooth handsfree with AEM, external amplifier, RHD



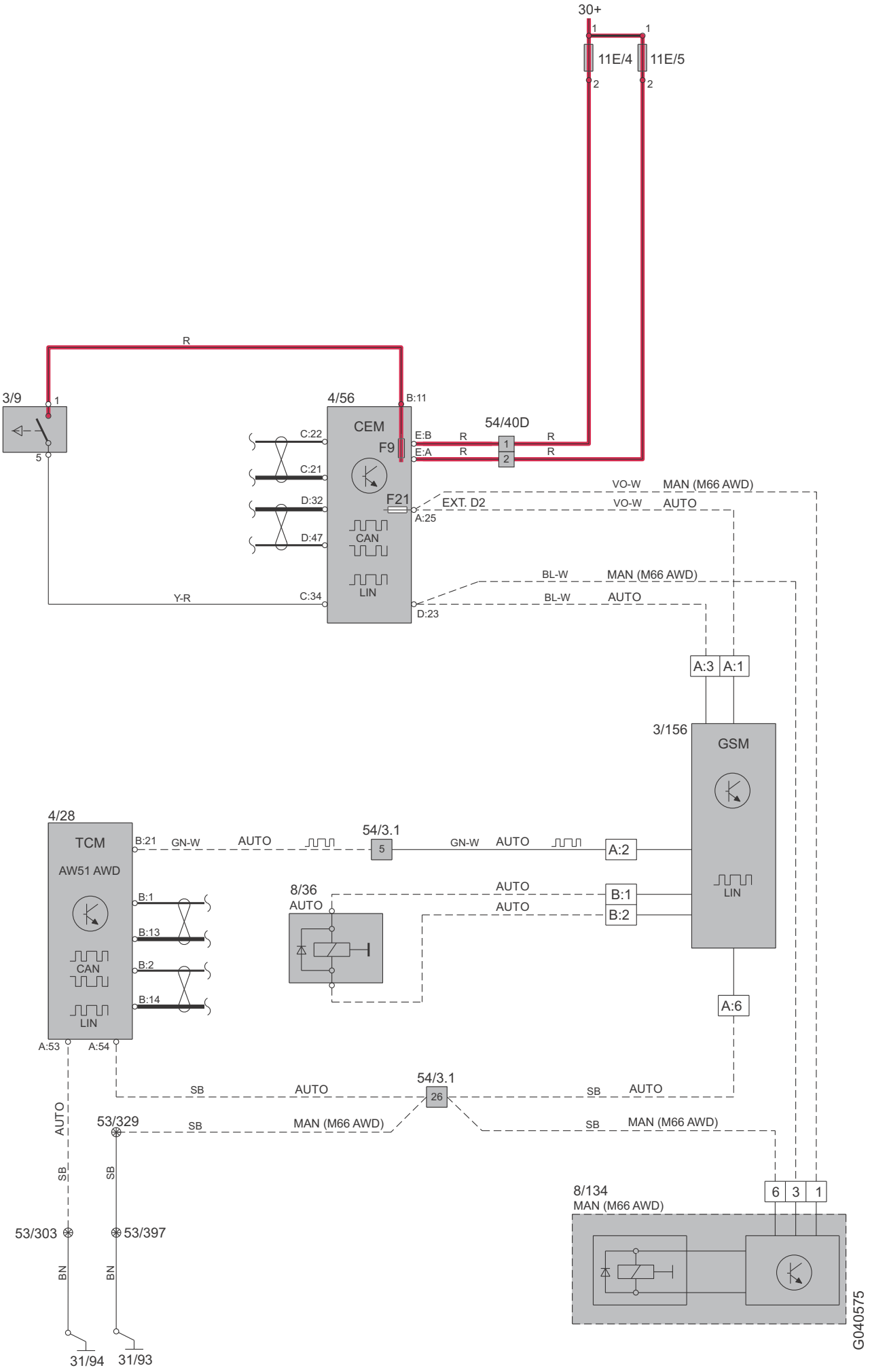


PRNDL SW ENC				
POS	A	B	C	PA
P	X			X
R	X	X		
N		X		X
D		X	X	
4	X	X	X	X
3	X		X	
L			X	X

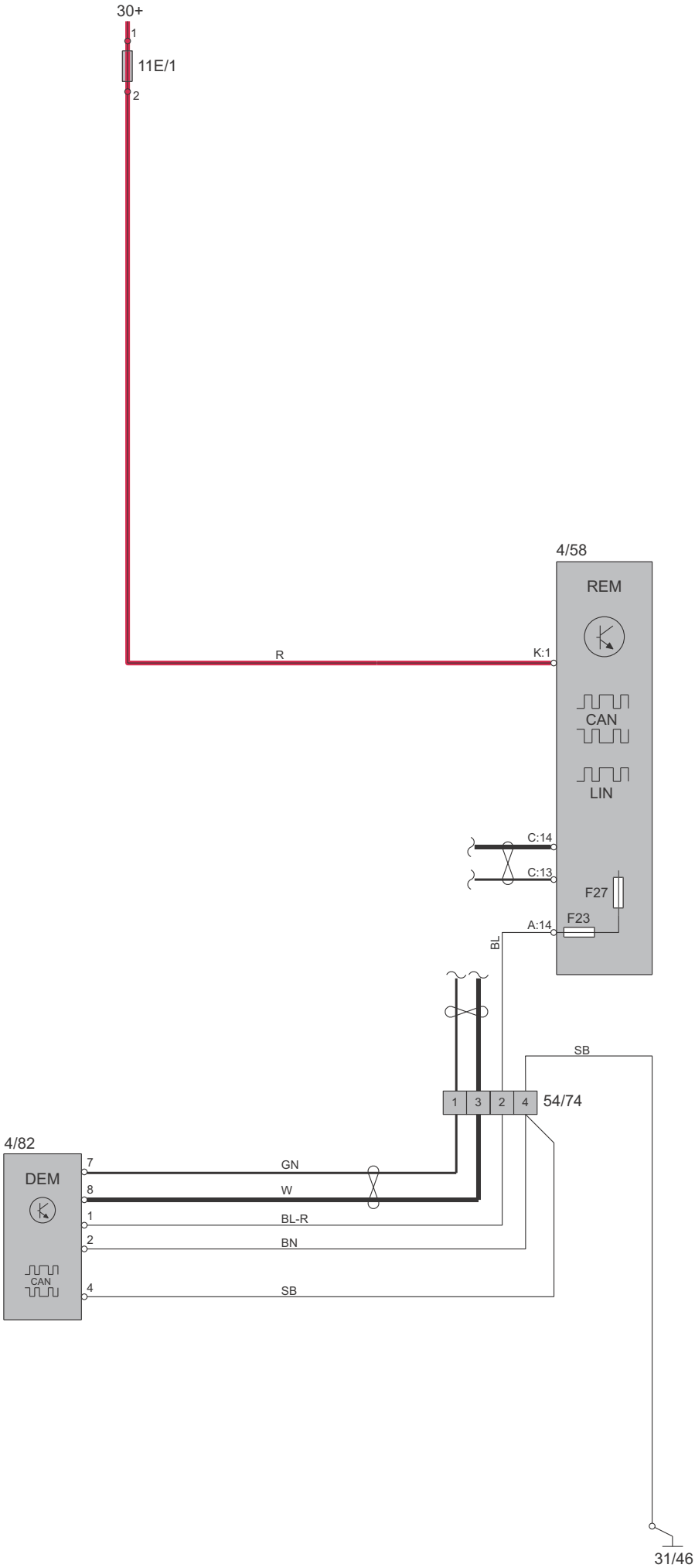

2/32
FMA3
54/146
11L/1
30+
11B/7
11B/9
11C/11
11C/9
11E/4
11E/5
54/40D
3/1
R-SB
DIESEL
6CYL
8/37
4/28
54/57.1
7/61
NIN+
NIN-
7/62
SP+
SP-
7/74
OT
OTG
8/142
SLB1
SLB1G
8/143
SLC1
SLC1G
8/144
SLC2
SLC2G
8/145
SLC3
SLC3G
8/71
SLT
SLTG
8/40
SLU
SLUG
8/38
S1
8/39
S2
TCM
CAN
LIN
TF-80SC / TF-80SC AWD
4/46
ECM
DIESEL/
6 CYL
DIESEL B:34
6 CYL B:13
DIESEL B:22
6 CYL B:54
DIESEL B:23
6 CYL B:41
53/443
53/352
53/353
HISPEED
4/56
CEM
F21
EXT. D2
4/16
BCM
3/156
GSM
3/155
8/36
VO-W
BL-W
GN-W
53/329
54/3.1
53/397
31/93
BL-R
W
GN
SB
R
Y
G040578


30+
1
1
11E/4
11E/5
2
2
4/56
CEM
C:22
C:21
D:32
D:47
CAN
LIN
54/40D
E:B
E:A
R
R
1
2
R
R
D:23
BL-W
A:25
EXT. D2
VO-W
F21
B:20
EXT. D2
A:1
A:3
4/28
TCM
AW51 AWD
B:1
B:13
B:2
B:14
CAN
LIN
A:35
VO-W
3/156
GSM
LIN
54/3.1
B:21
GN-W
5
GN-W
A:2
A:54
SB
26
SB
A:6
A:53
SB
53/303
BN
31/94

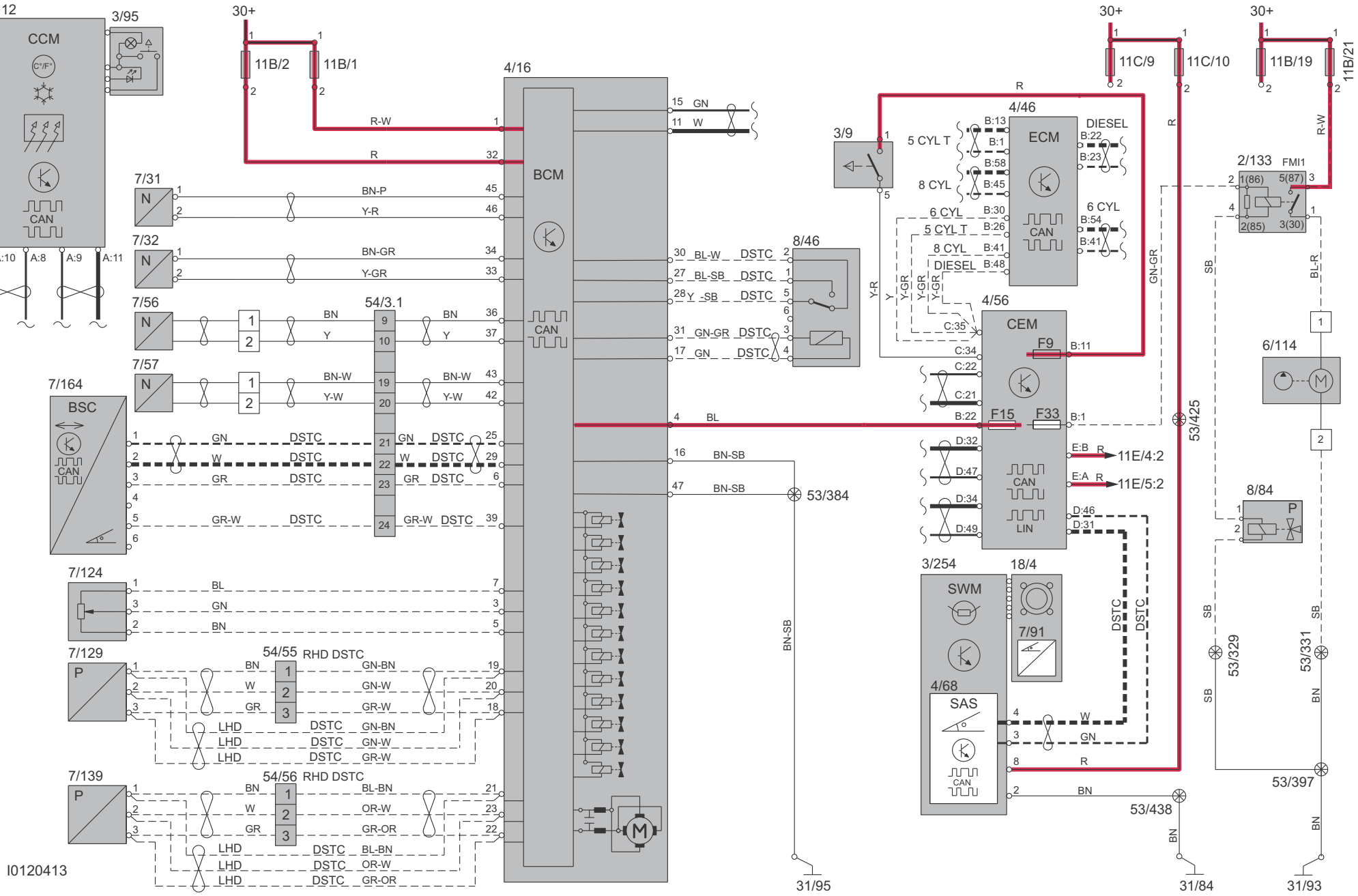
G040579

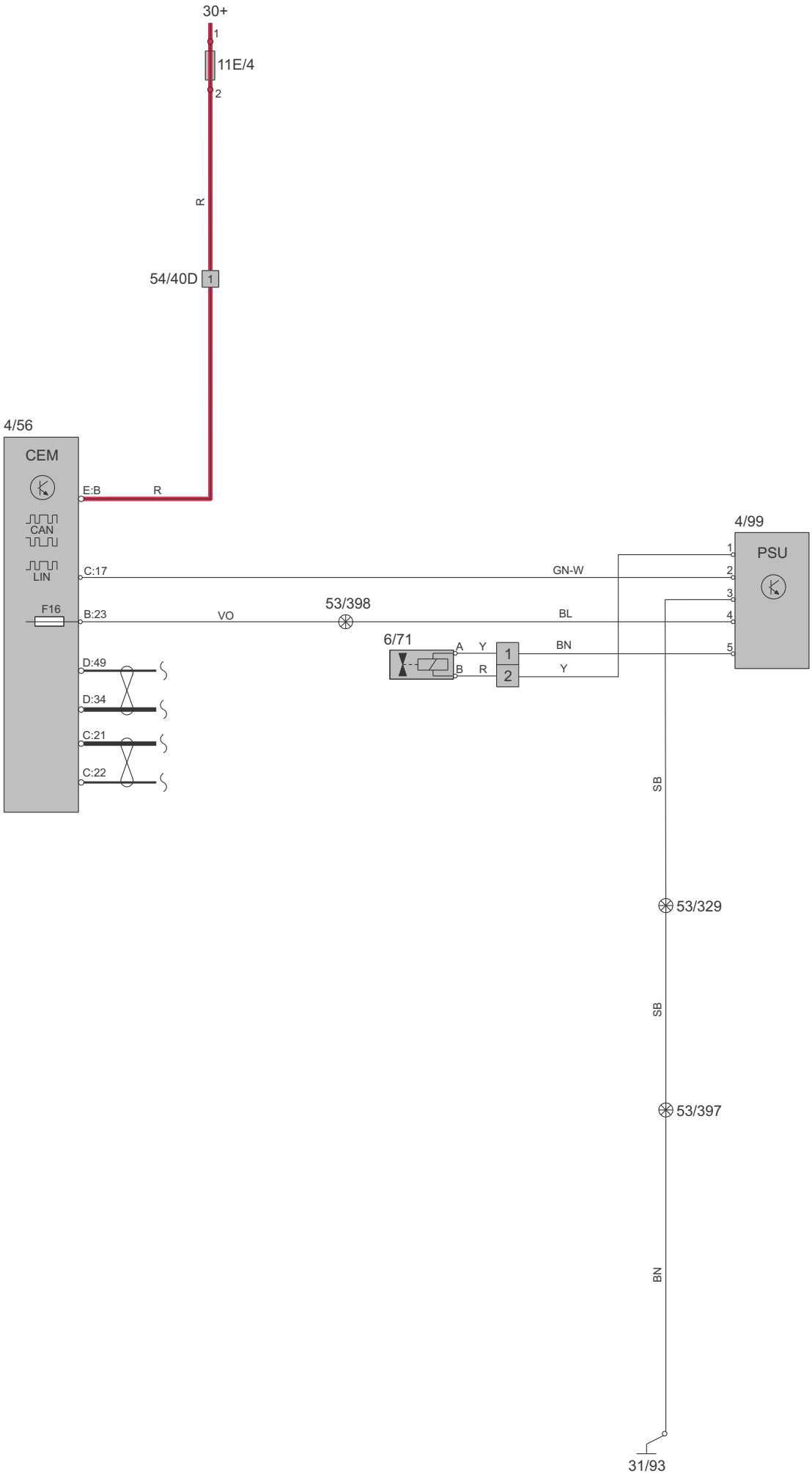

30+
11E/4
11E/5
R
3/9
4/56
CEM
F9
F21
B:11
C:22
C:21
D:32
D:47
C:34
CAN
LIN
E:B
E:A
54/40D
EXT. D2
A:25
D:23
Y-R
VO-W
MAN (M66 AWD)
AUTO
BL-W
A:3
A:1
3/156
GSM
4/28
TCM
AW51 AWD
B:21
GN-W
54/3.1
5
A:2
8/36
B:1
B:13
B:2
B:14
B:6
A:53
A:54
SB
26
53/329
53/303
53/397
BN
31/94
31/93
8/134
6
3
1
G040575

Differential Electronic Module (DEM)

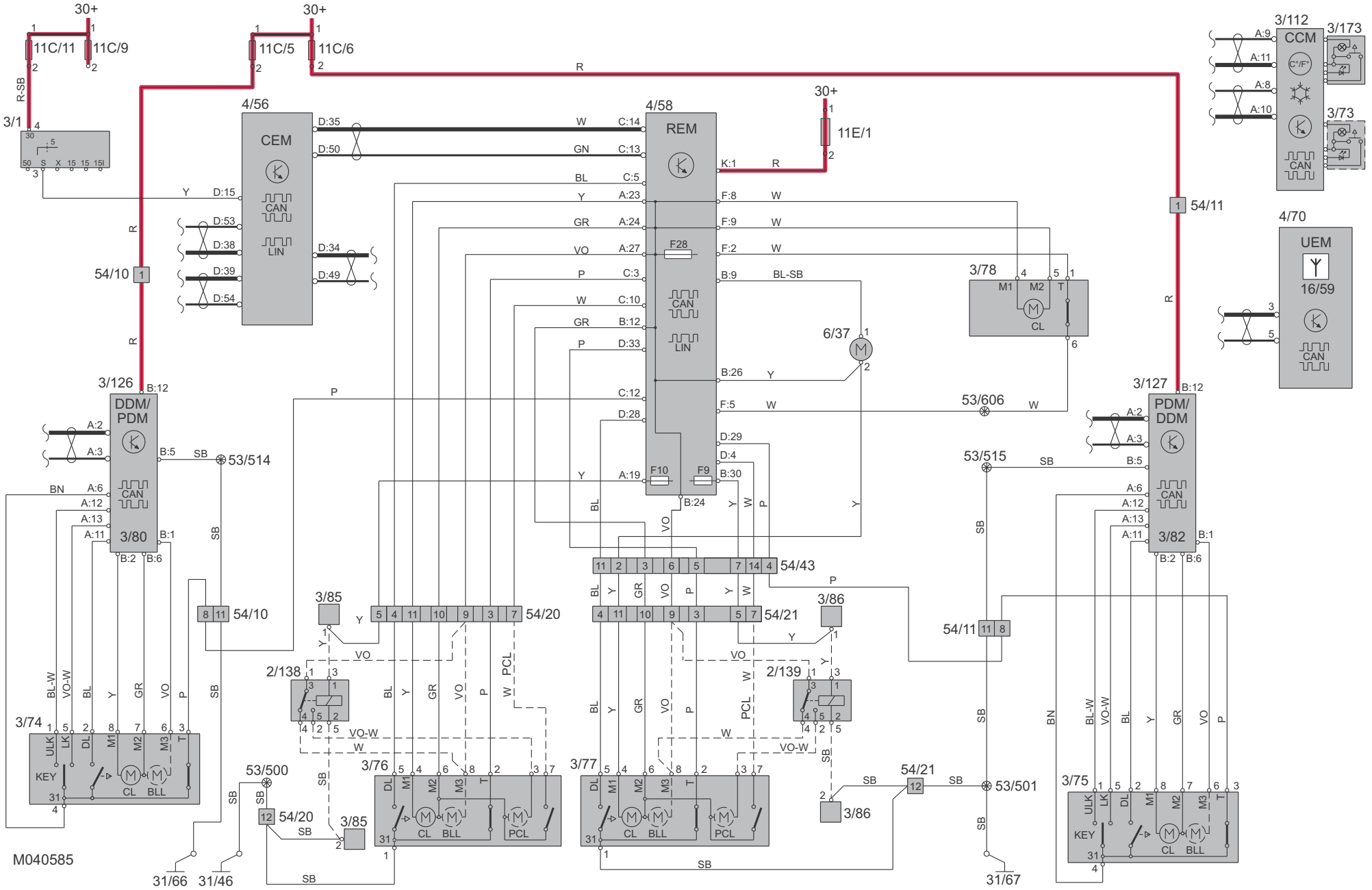


Group 59 Brake system
Brake control system

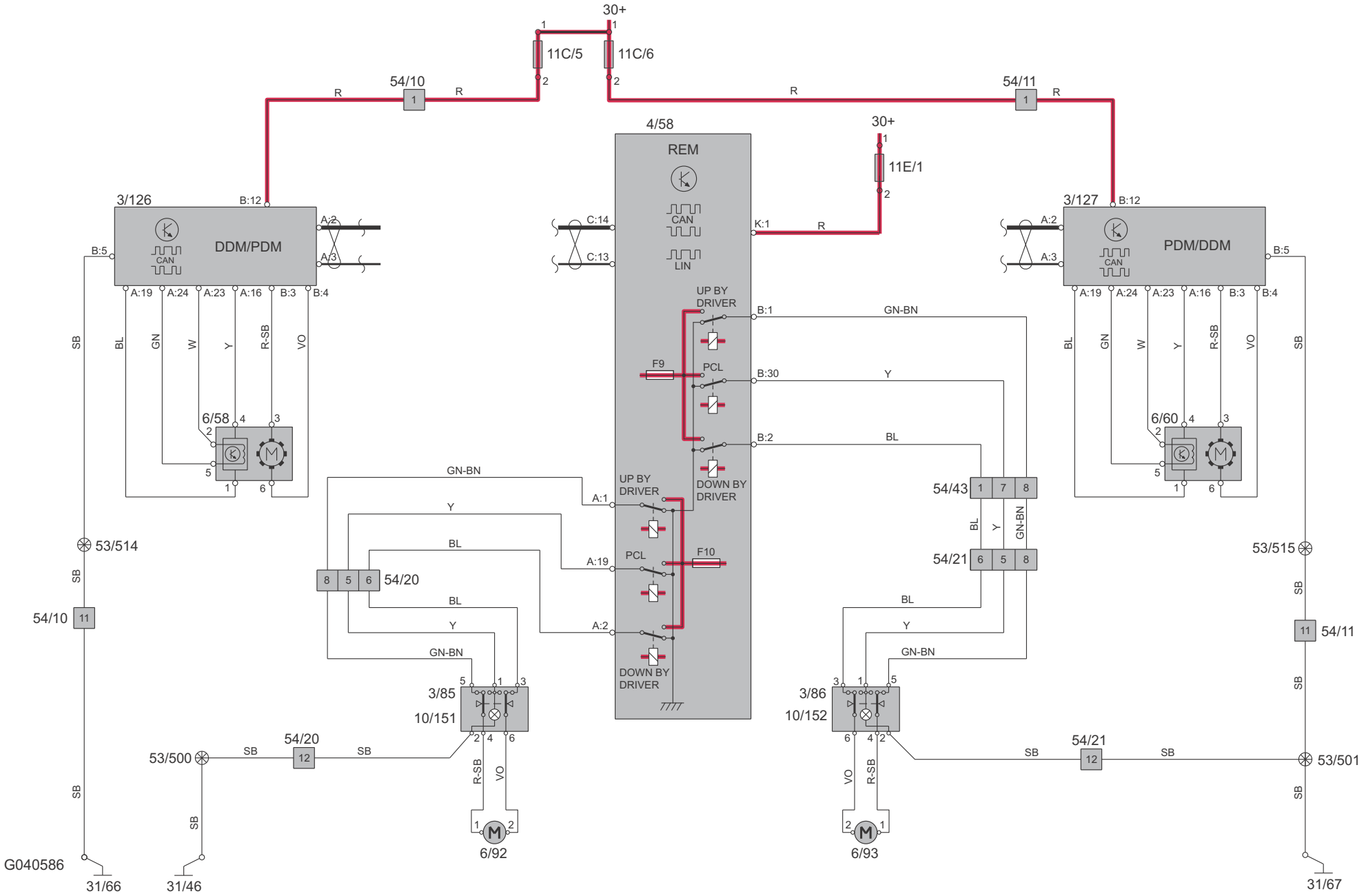



30+
1
11E/4
2
R
54/40D
1
4/56
CEM
E:B
R
CAN
LIN
C:17
GN-W
F16
B:23
VO
53/398
BL
6/71
A
Y
B
R
1
2
BN
Y
4/99
PSU
1
2
3
4
5
D:49
D:34
C:21
C:22
SB
53/329
SB
53/397
BN
31/93
G040584

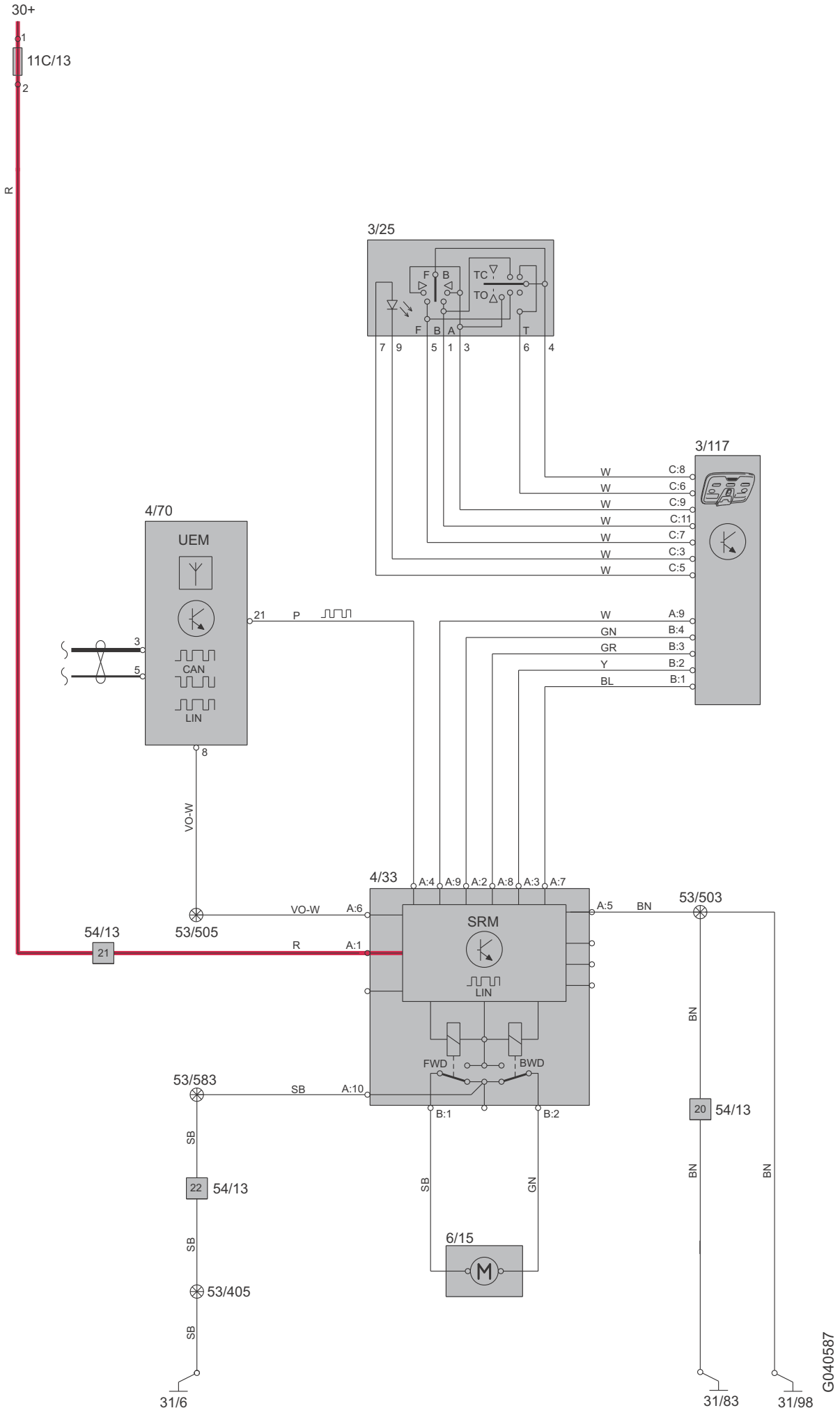
Group 83 Doors and openings
Central locking



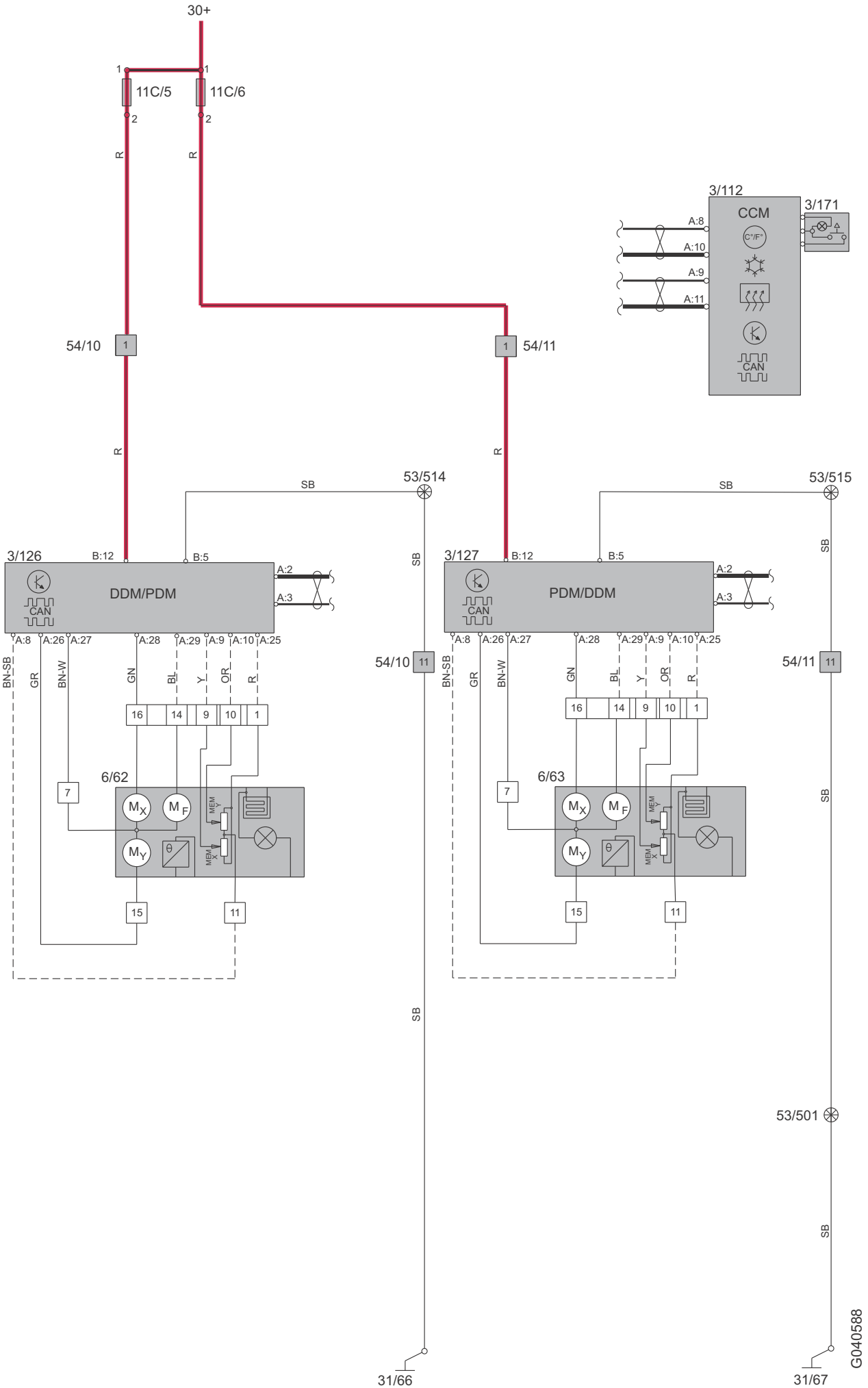
Group 83 Doors and openings
Power windows

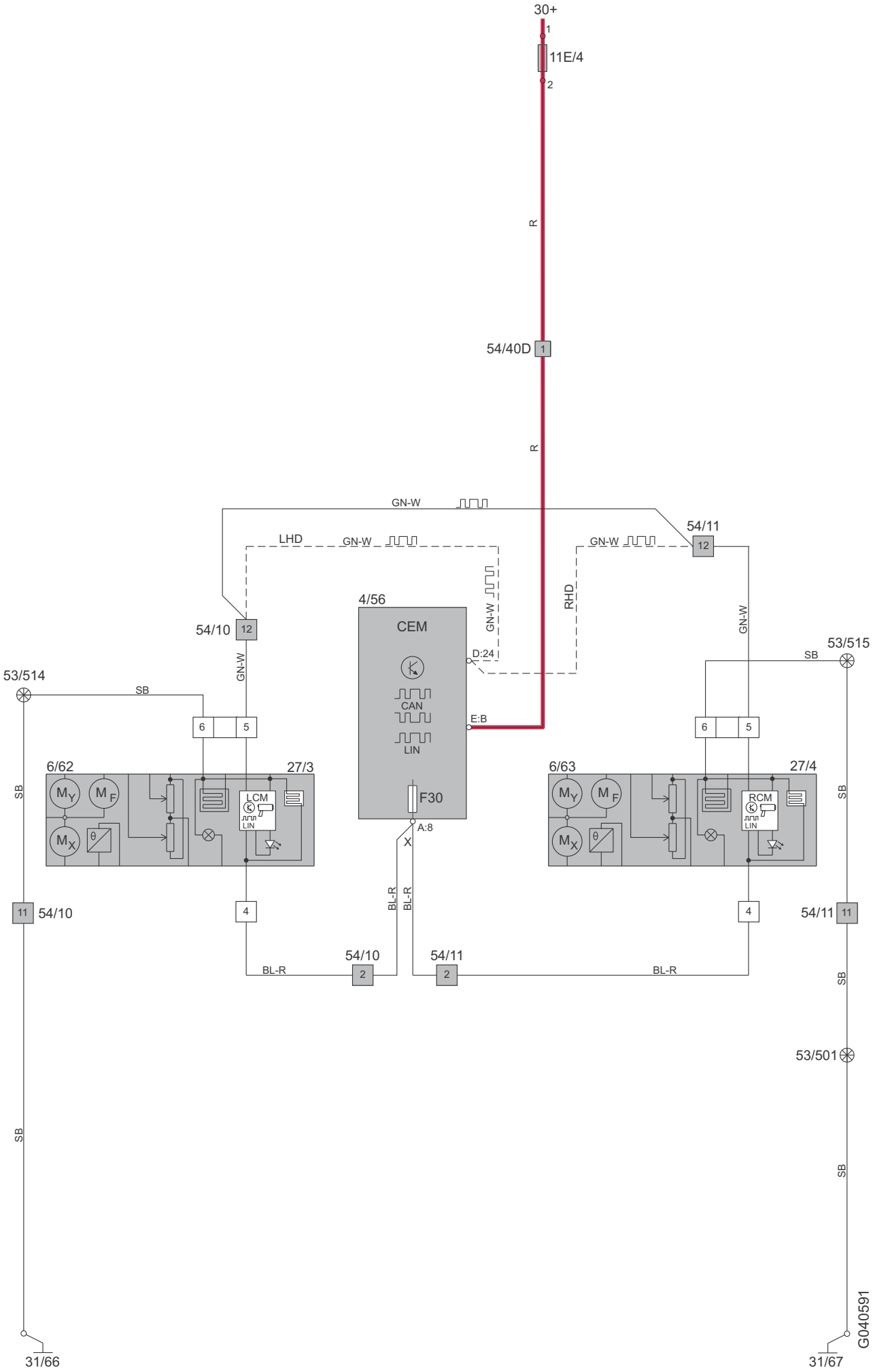


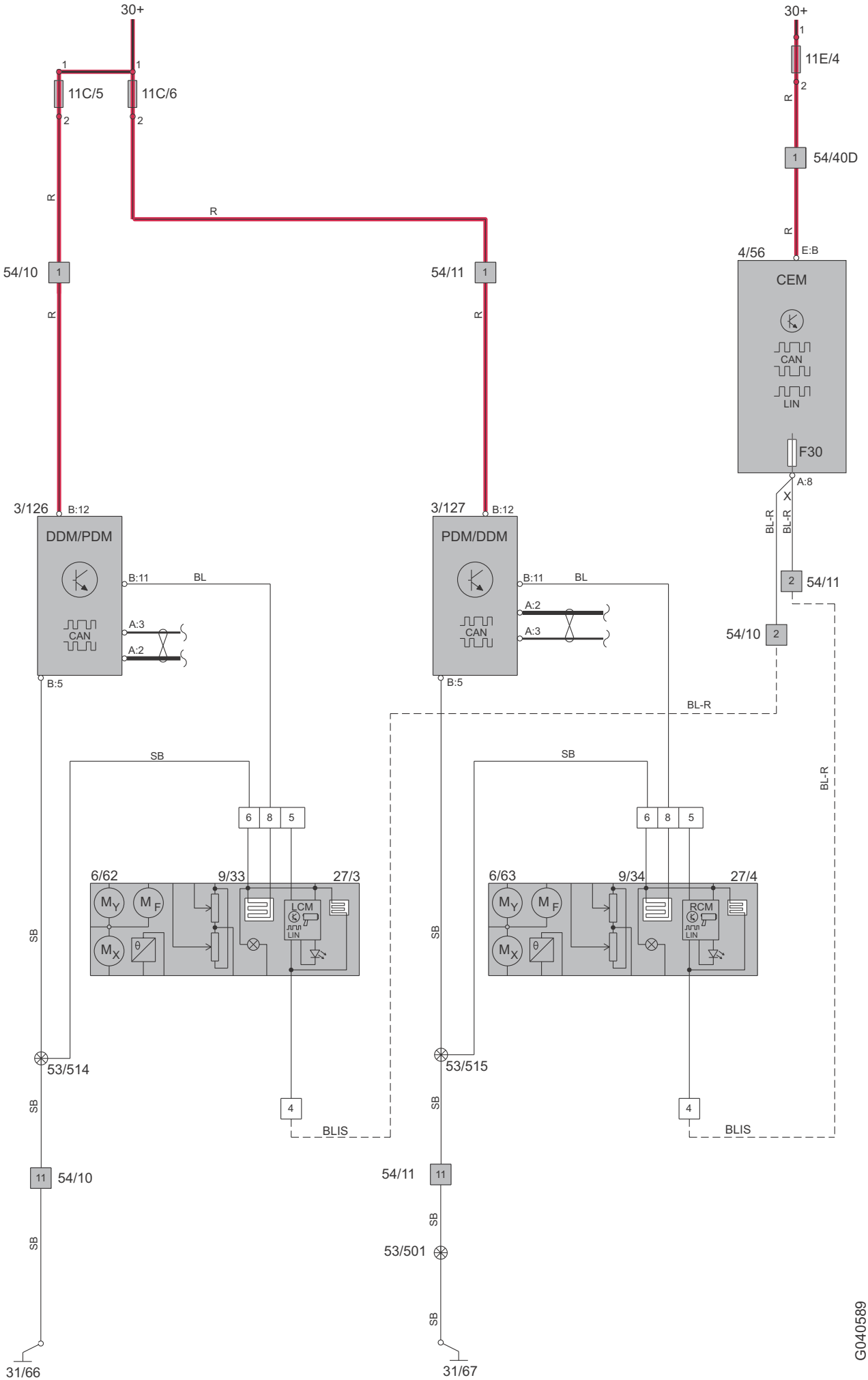
Group 83 Doors and openings
Power sunroof



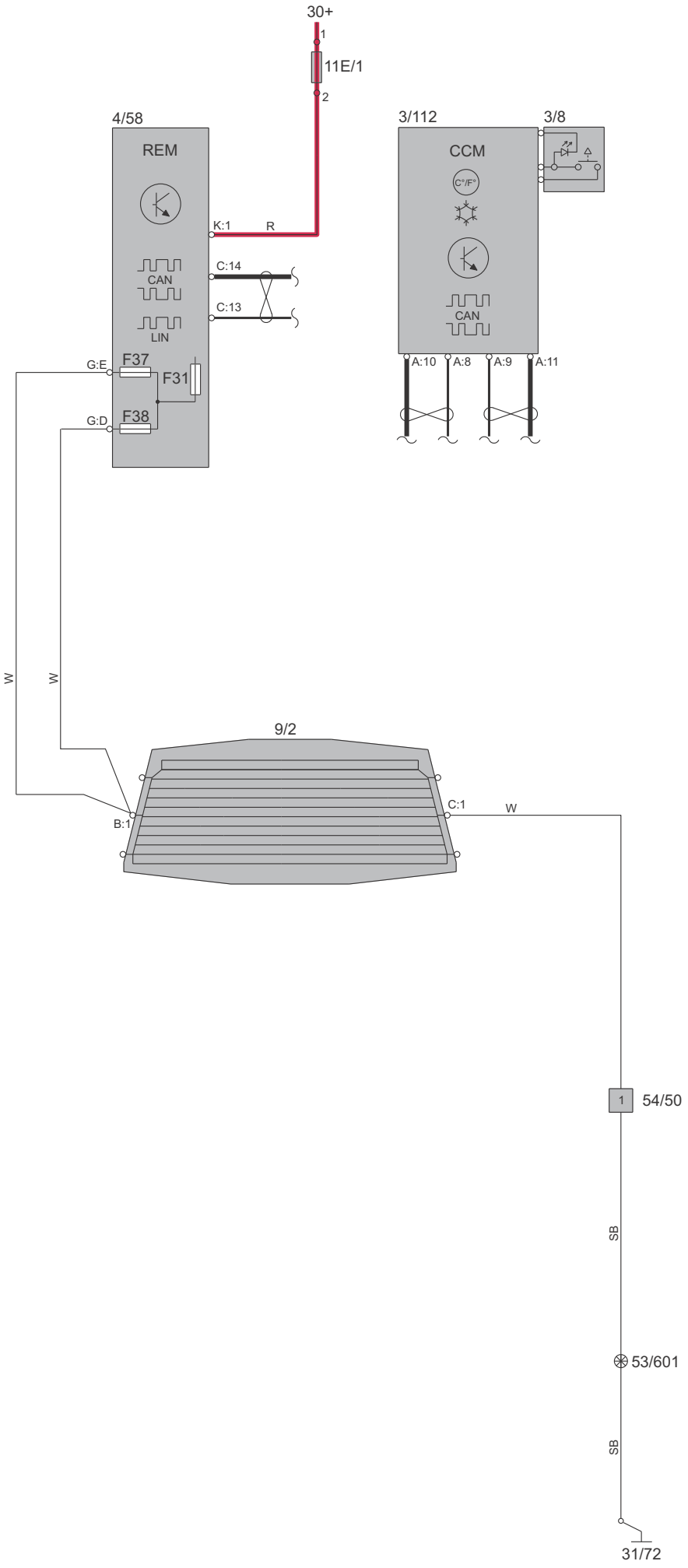
Group 84 Exterior decorative elements, etc.
Power door mirrors

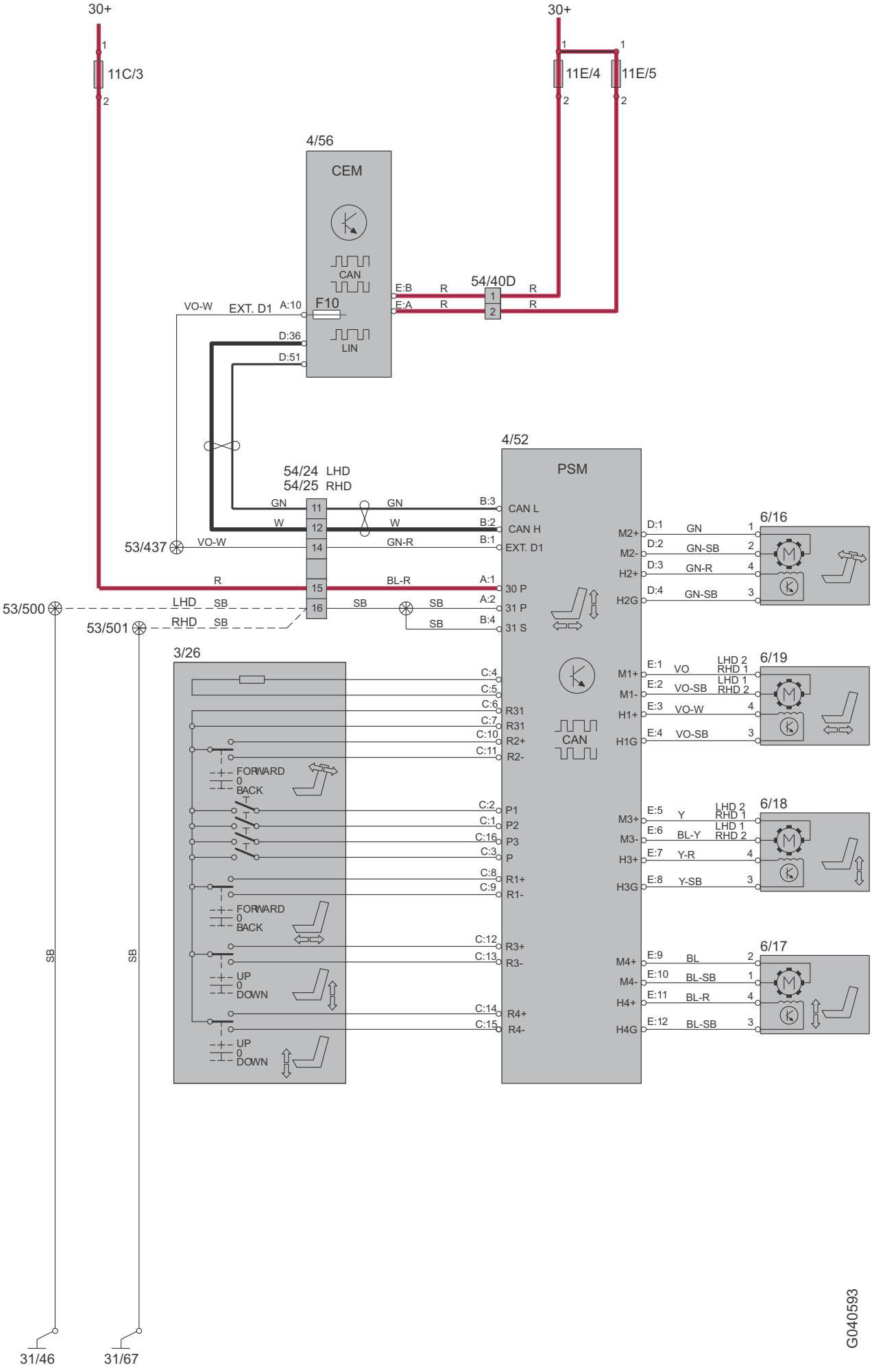


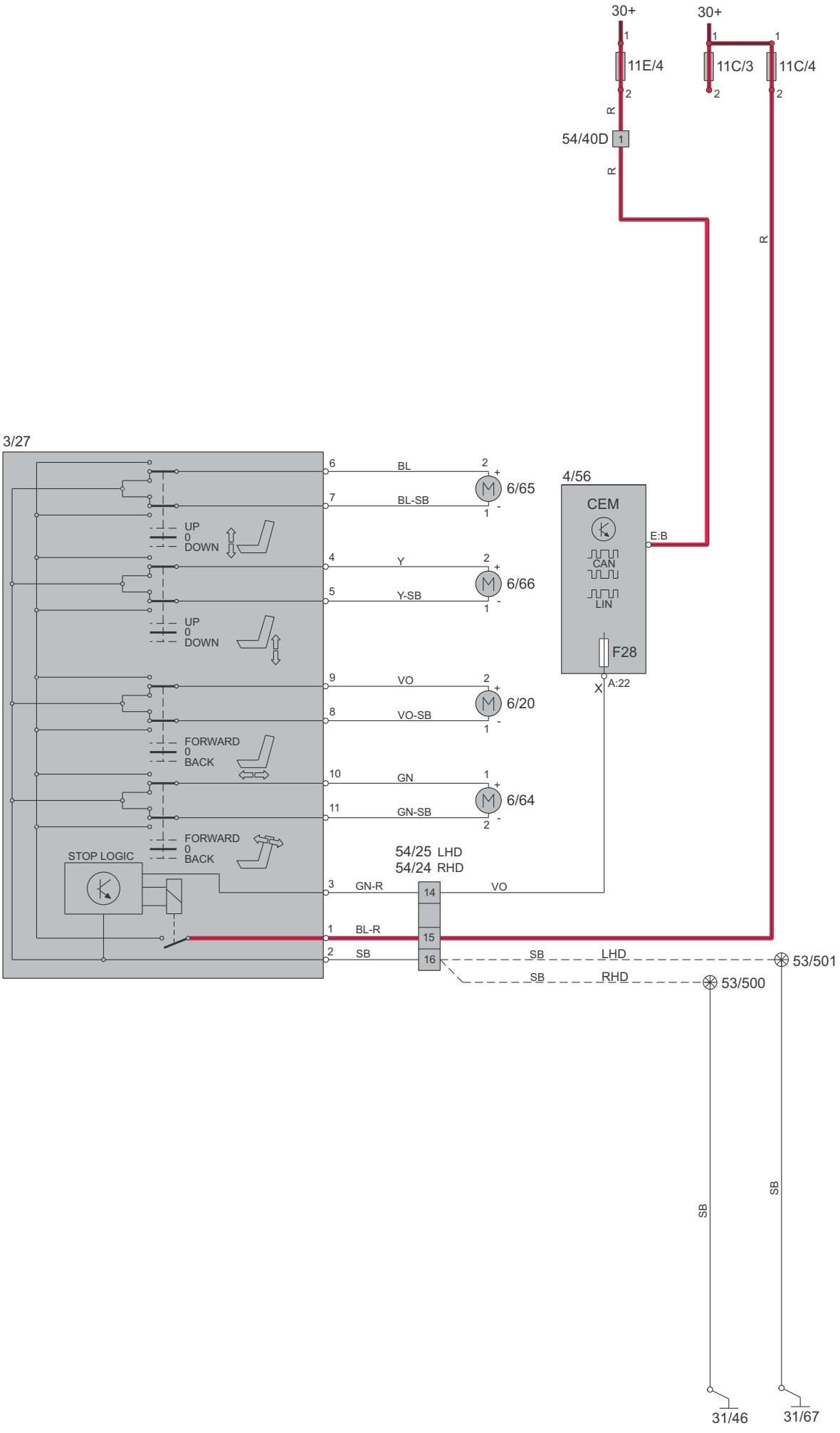

30+
1
11E/4
2
R
54/40D 1
R
GN-W
LHD
GN-W
GN-W
54/11
12
GN-W
RHD
GN-W
4/56
CEM
54/10 12
GN-W
D:24
CAN
LIN
E:B
F30
A:8
X
53/514
SB
53/515
SB
6
5
6
5
6/62
27/3
LCM
LIN
6/63
27/4
RCM
LIN
SB
SB
11 54/10
4
BL-R
BL-R
4
54/11 11
54/10
2
54/11
2
BL-R
BL-R
SB
53/501
SB
SB
31/66
31/67
G040591

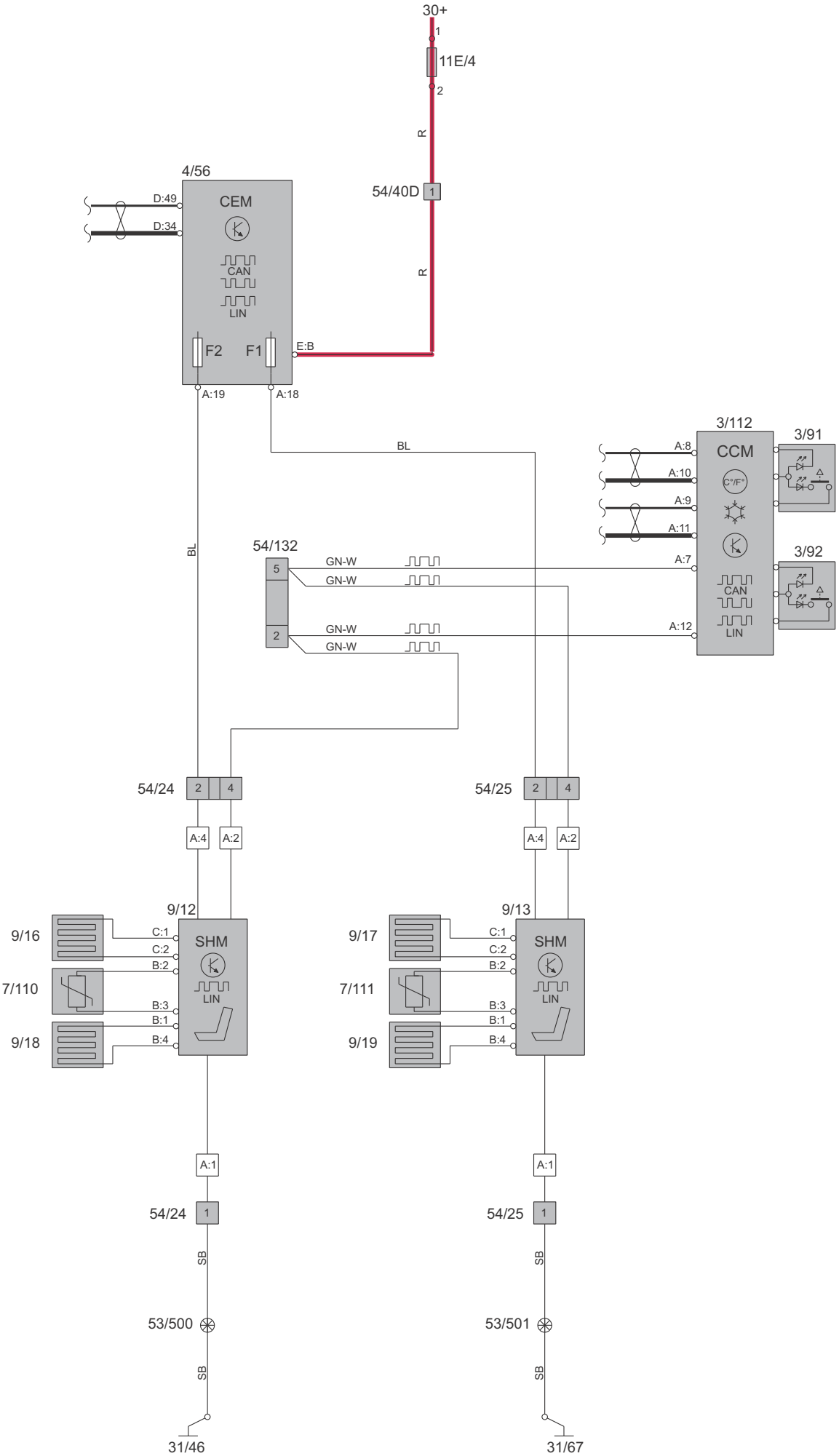

30+
11C/5
11C/6
R
54/10
54/11
3/126
B:12
DDM/PDM
B:11
BL
A:3
A:2
CAN
B:5
3/127
PDM/DDM
A:2
A:3
SB
6
8
5
6/62
9/33
27/3
6/63
9/34
27/4
LCM
RCM
LIN
53/514
53/515
4
BLIS
54/10
11
54/11
53/501
31/66
31/67
30+
11E/4
54/40D
4/56
E:B
CEM
F30
A:8
X
BL-R
2
54/11
54/10
G040589

Group 84 Exterior decorative elements, etc.
Heated rear window

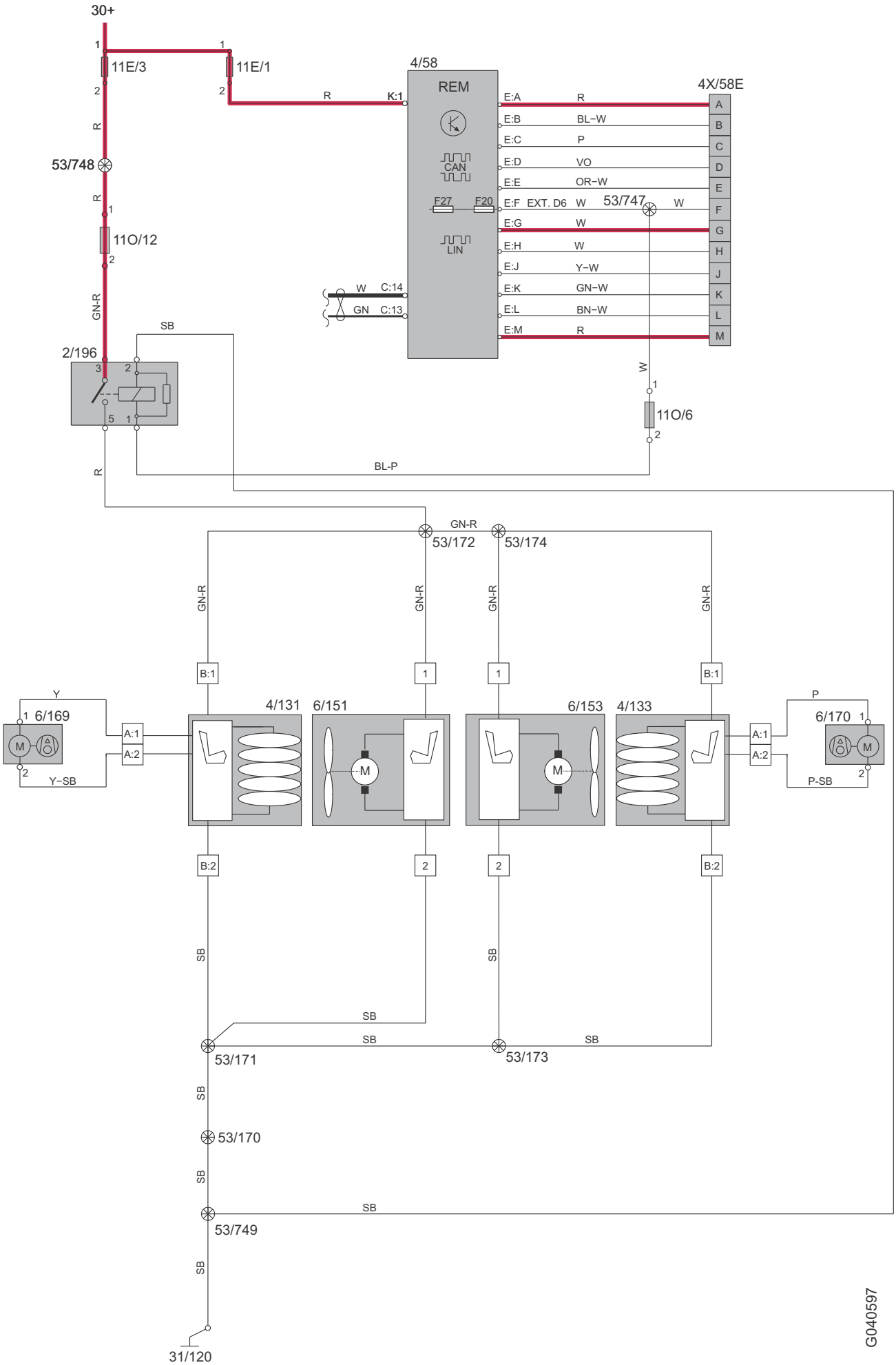



30+
11C/3
30+
11E/4
11E/5
4/56
CEM
CAN
LIN
F10
VO-W
EXT. D1
A:10
D:36
D:51
E:B
E:A
R
54/40D
54/24 LHD
54/25 RHD
4/52
PSM
53/437
53/500
53/501
LHD
RHD
SB
GN
W
GN-R
BL-R
CAN L
CAN H
EXT. D1
30 P
31 P
31 S
3/26
FORWARD
0
BACK
UP
0
DOWN
P1
P2
P3
P
R1+
R1-
R2+
R2-
R3+
R3-
R4+
R4-
R31
6/16
6/19
6/18
6/17
M1+
M1-
M2+
M2-
M3+
M3-
M4+
M4-
H1+
H1G
H2+
H2G
H3+
H3G
H4+
H4G
VO
VO-SB
VO-W
Y
BL-Y
Y-R
Y-SB
BL
BL-SB
BL-R
LHD 2
RHD 1
LHD 1
RHD 2
31/46
31/67
G040593

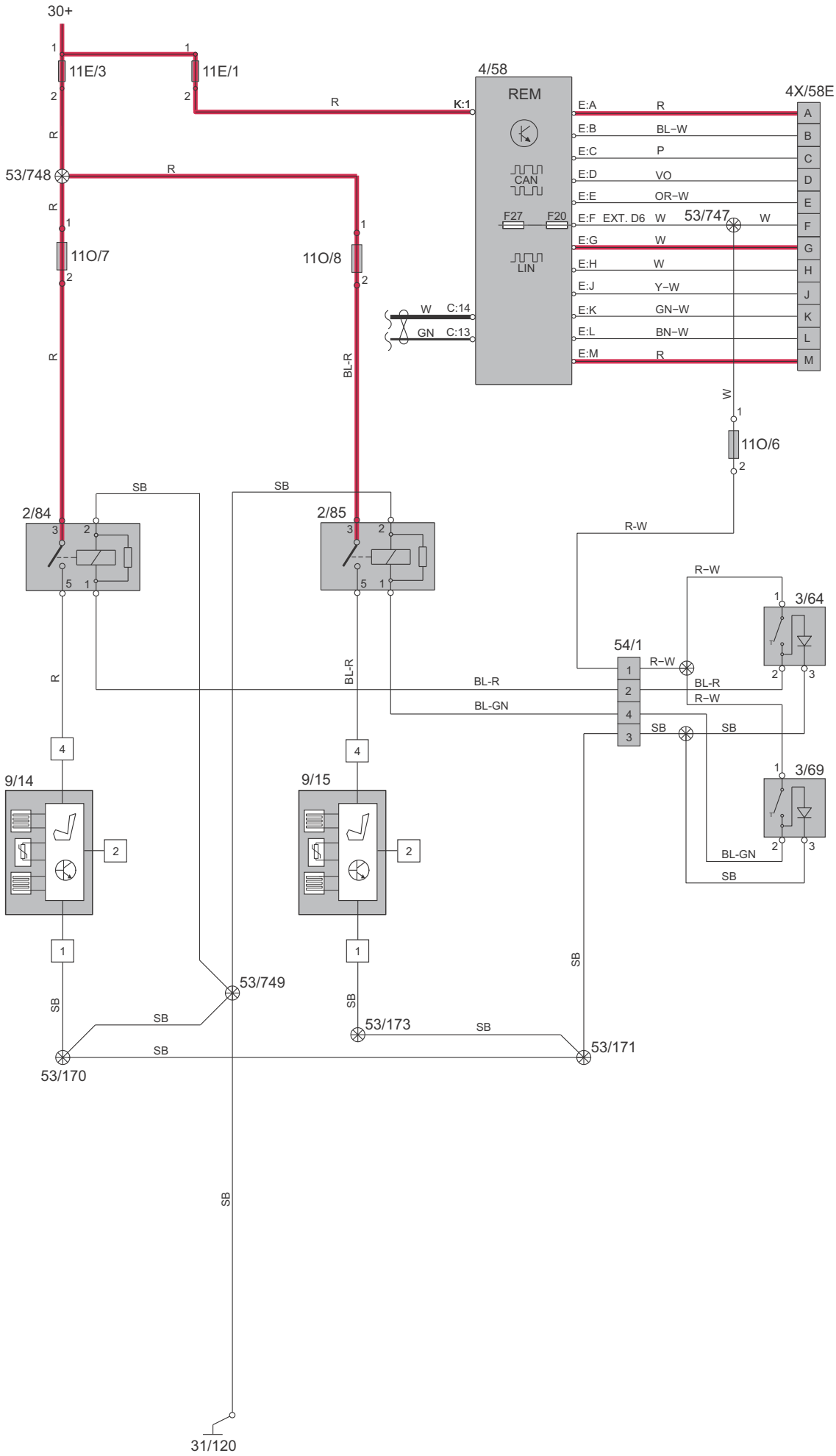

30+
30+
11E/4
11C/3
11C/4
54/40D
R
3/27
UP
0
DOWN
FORWARD
0
BACK
STOP LOGIC
BL
BL-SB
Y
Y-SB
VO
VO-SB
GN
GN-SB
6/65
6/66
6/20
6/64
4/56
CEM
CAN
LIN
F28
E:B
A:22
54/25 LHD
54/24 RHD
GN-R
BL-R
SB
VO
LHD
RHD
53/501
53/500
31/46
31/67
G040594

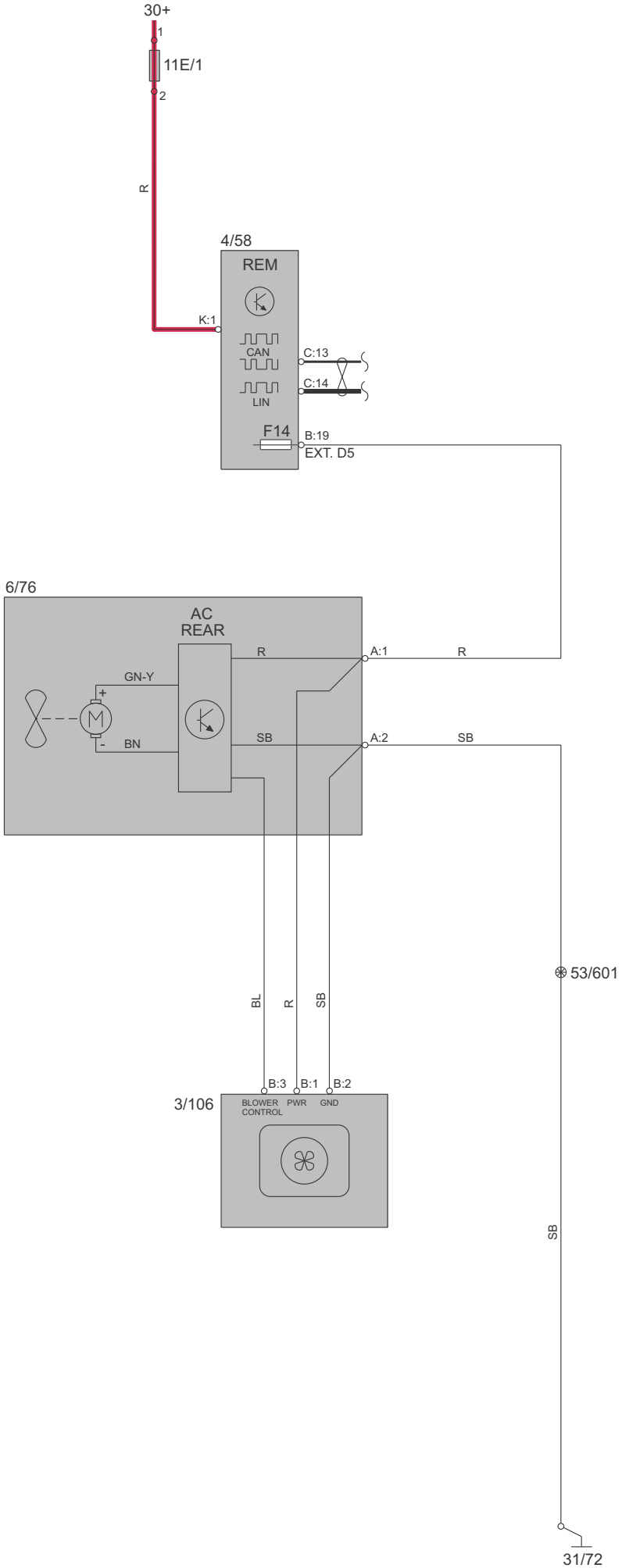

30+
1
11E/4
2
R
4/56
54/40D
1
D:49
D:34
CEM
CAN
LIN
F2
F1
E:B
R
A:19
A:18
BL
3/112
3/91
CCM
A:8
A:10
A:9
A:11
C°/F°
3/92
54/132
5
2
GN-W
GN-W
GN-W
GN-W
A:7
A:12
CAN
LIN
BL
54/24
54/25
2
4
A:4
A:2
9/12
9/13
9/16
9/17
7/110
7/111
9/18
9/19
C:1
C:2
B:2
B:3
B:1
B:4
SHM
LIN
A:1
54/24
54/25
1
SB
53/500
53/501
SB
SB
31/46
31/67
G040595

Group 85 Interior equipment
Massage seats with ventilation

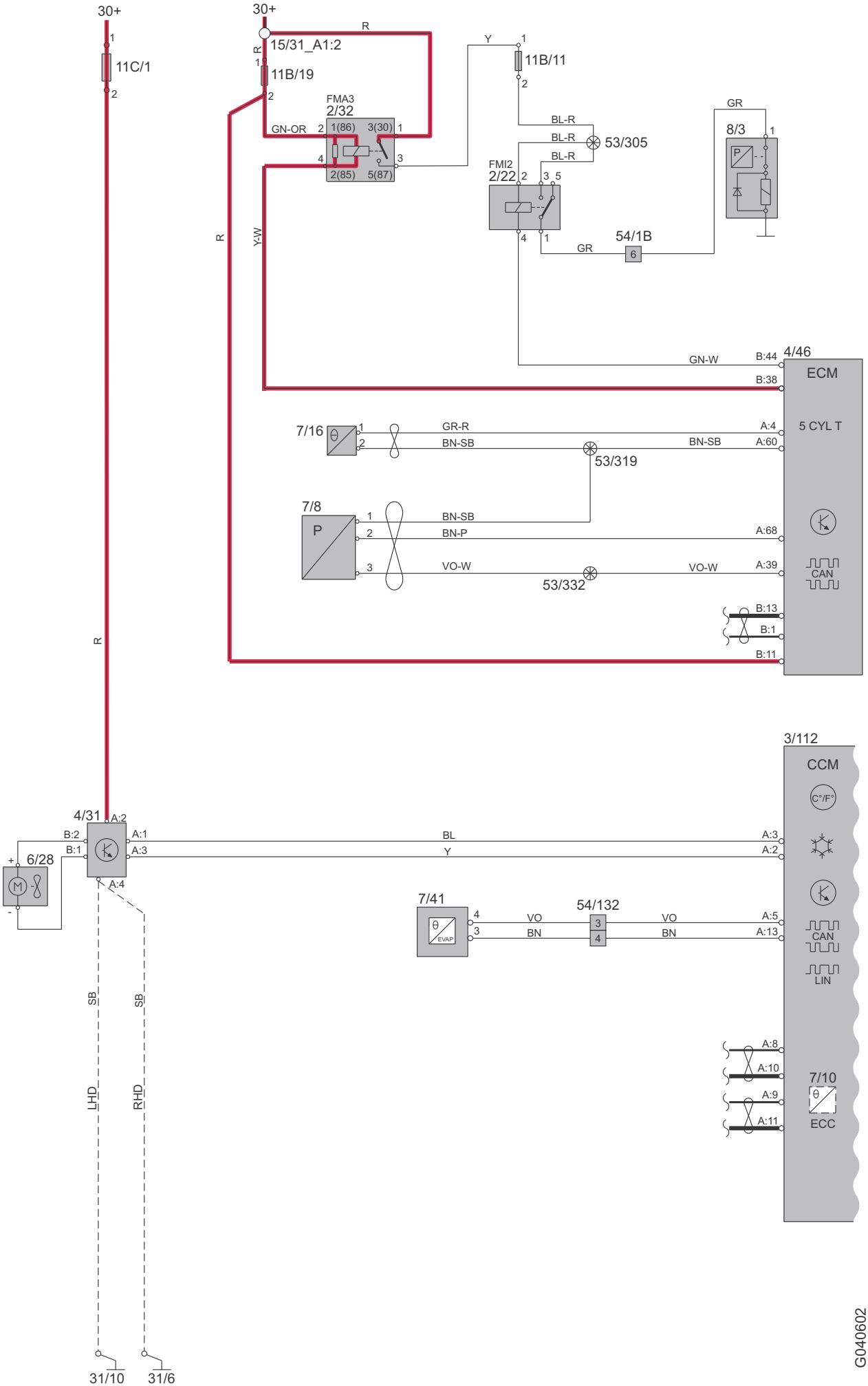


Group 85 Interior equipment
Heated seats second row of seats

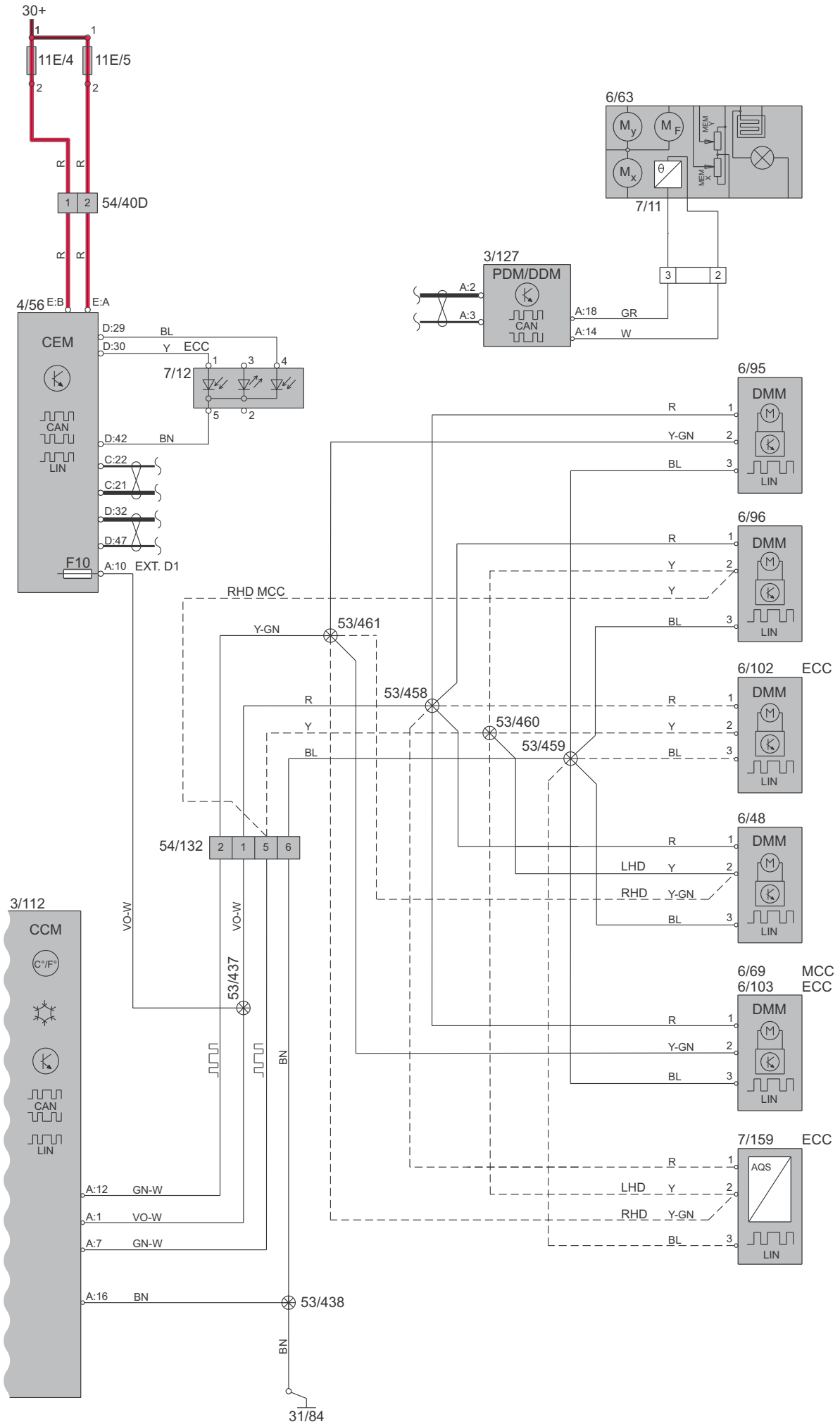



30+
1
11E/1
2
R
4/58
REM
K:1
CAN
LIN
C:13
C:14
F14
B:19
EXT. D5
6/76
AC
REAR
R
A:1
R
GN-Y
+
-
BN
SB
A:2
SB
53/601
BL
R
SB
B:3
B:1
B:2
3/106
BLOWER
CONTROL
PWR
GND
SB
31/72
G040607

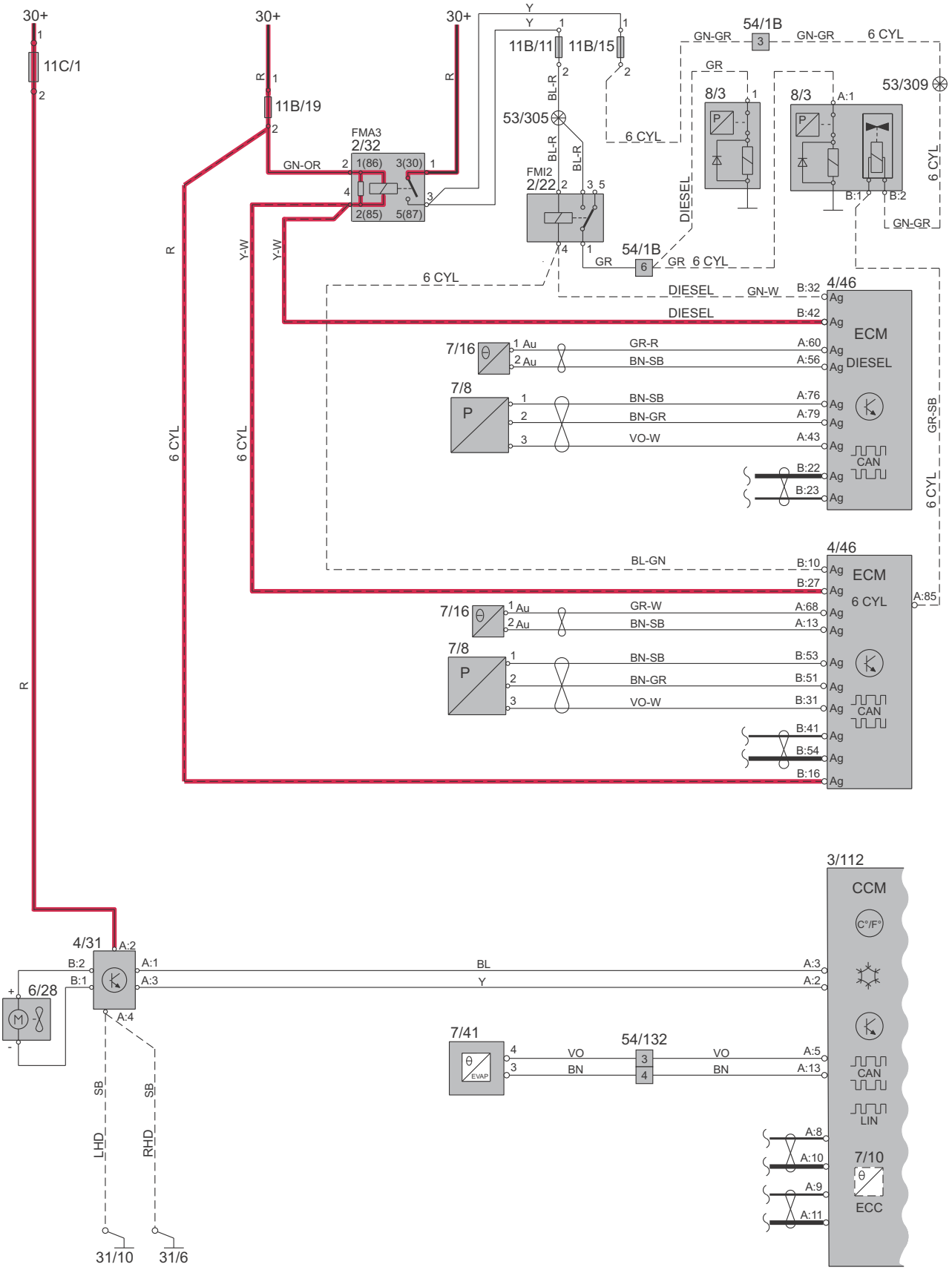
Group 87 Climate control system
Climate control system, 5-Cyl. 1:2



Group 87 Climate control system
Climate control system, 5-Cyl. 2:2

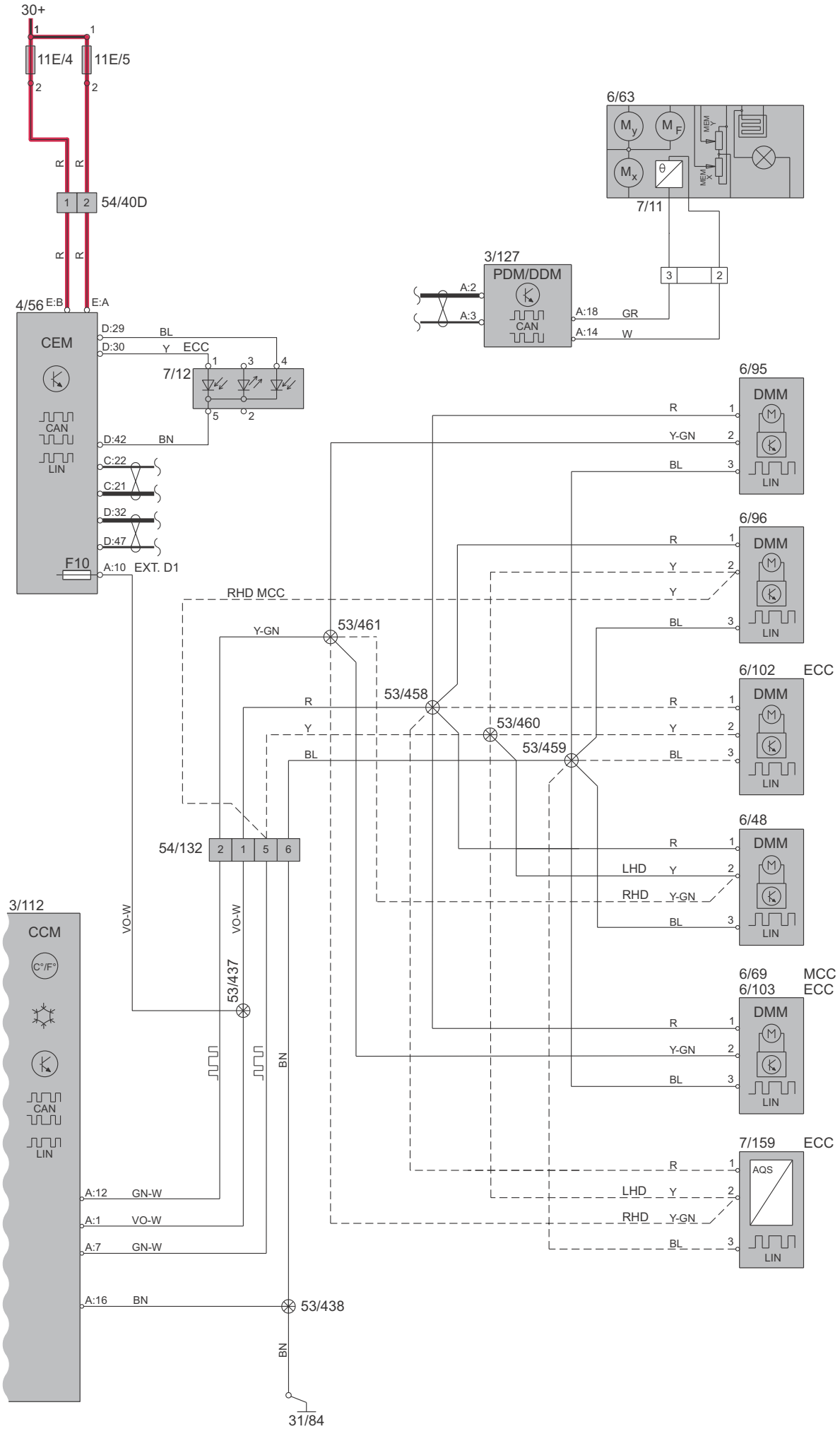


Group 87 Climate control system
Climate control system 5-Cyl. Diesel & 6-Cyl. 1:2

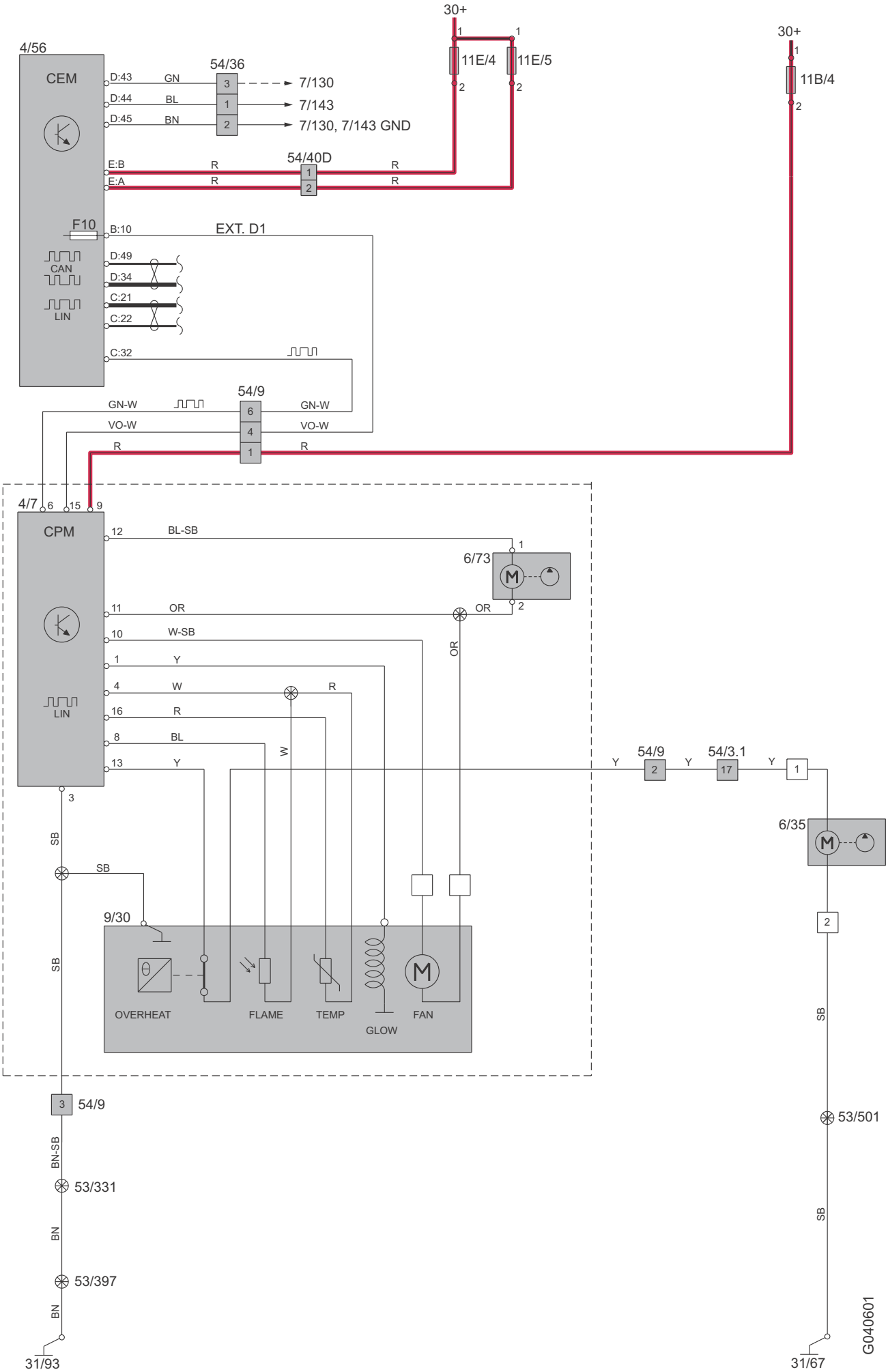


I03327

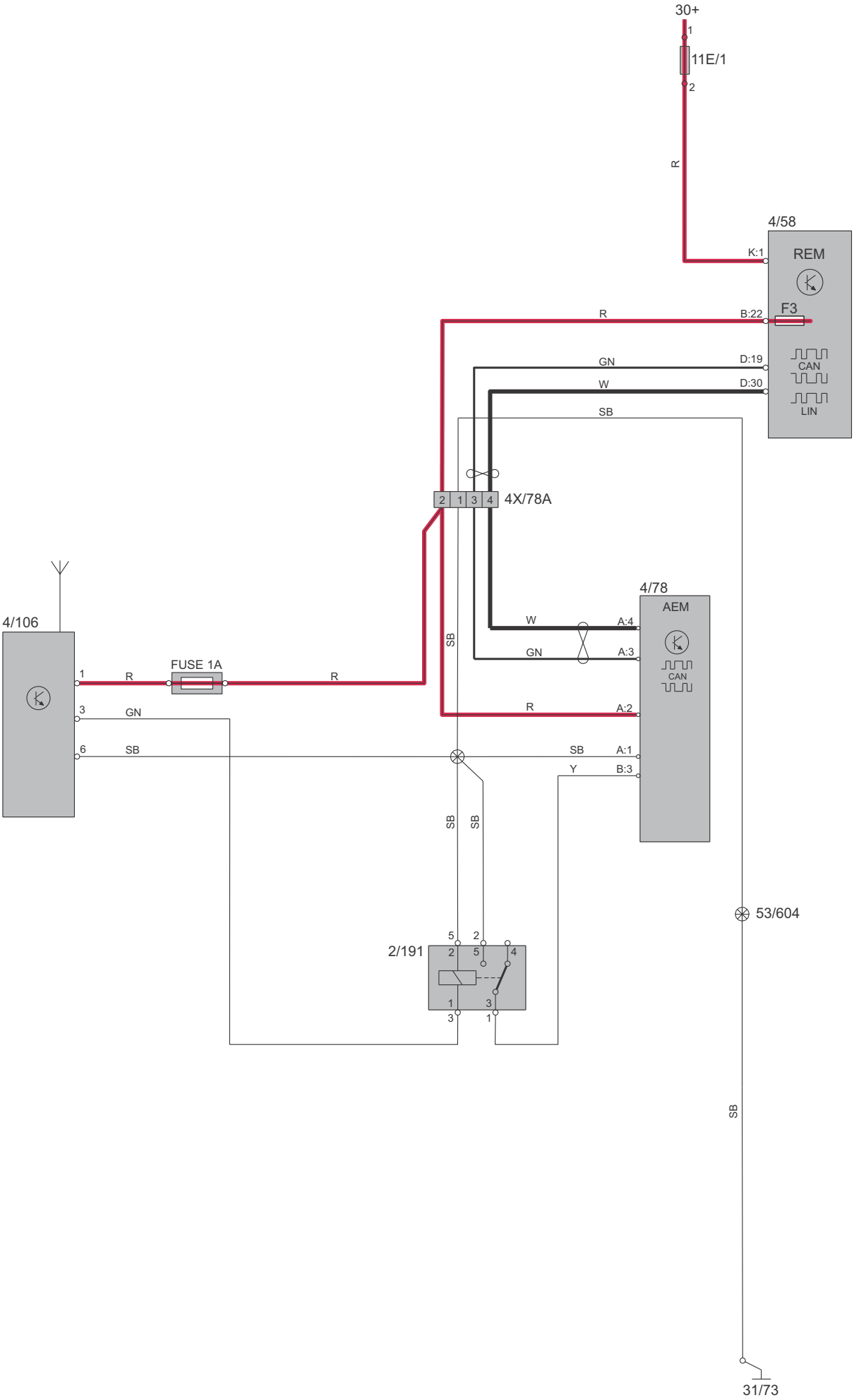
Climate control system 5-Cyl. Diesel & 6-Cyl. 2:2



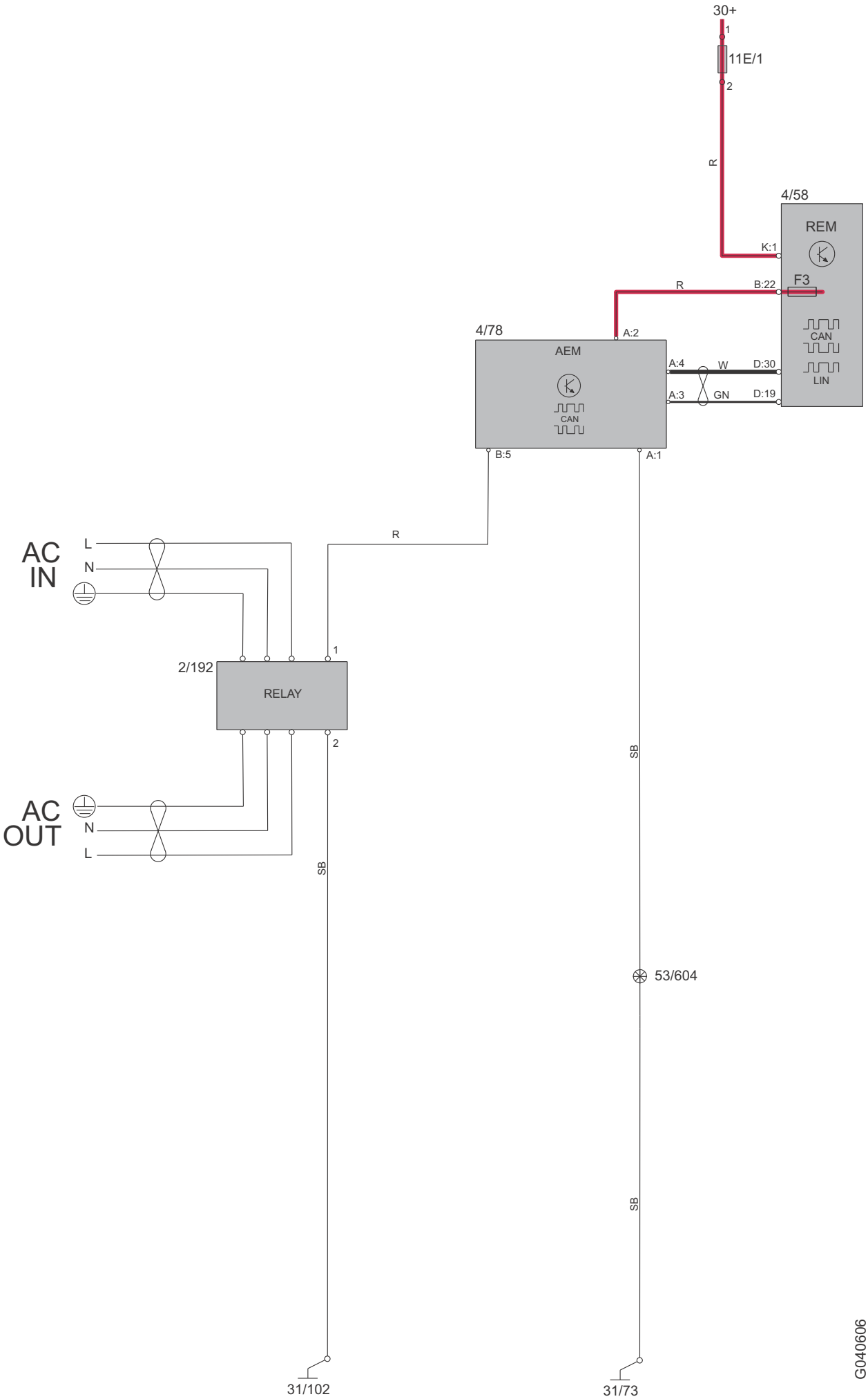
Group 87 Climate control system
Parking heater, auxiliary heater

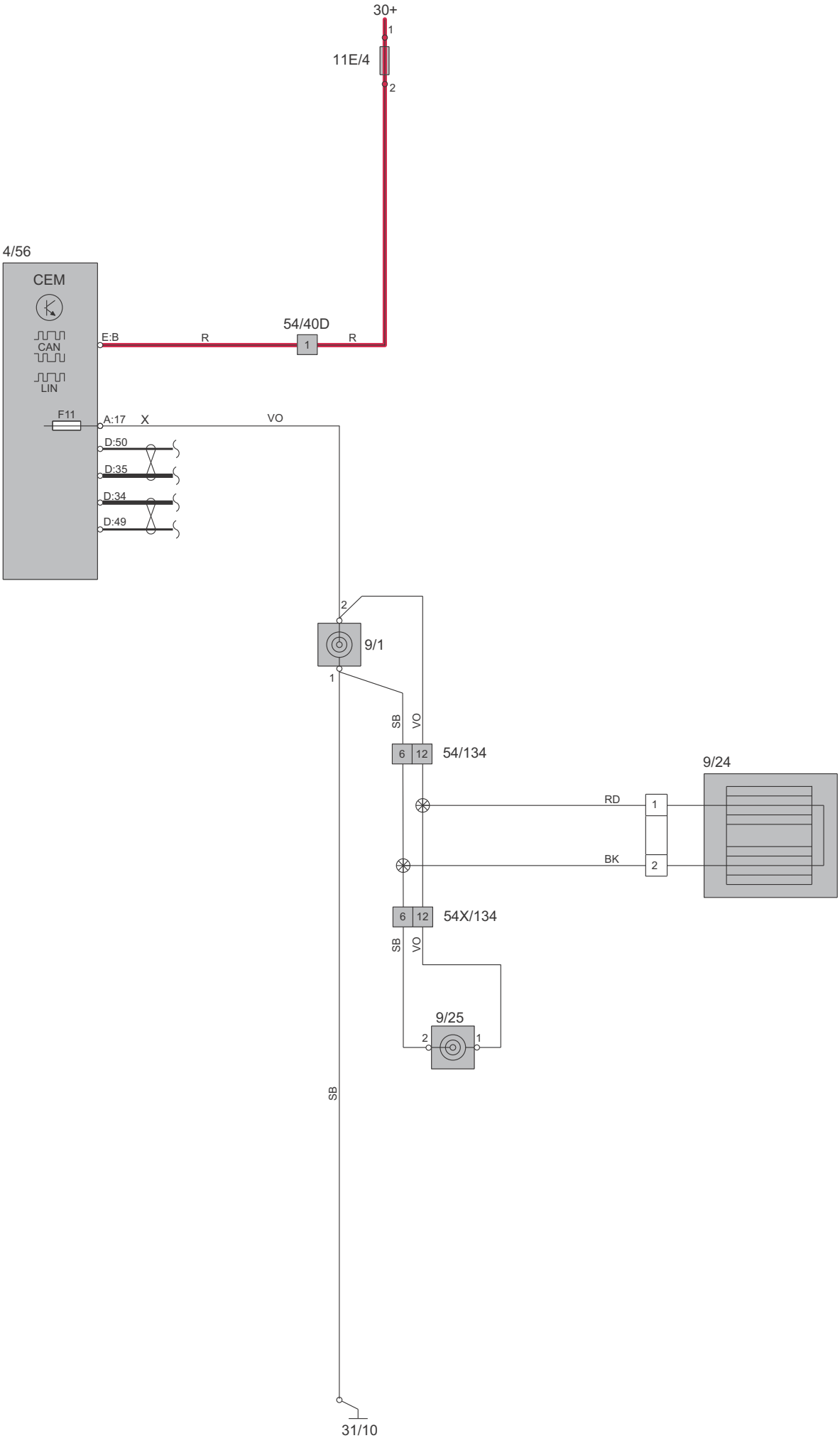


Group 87 Climate control system, Accessories
Parking heater, remote start

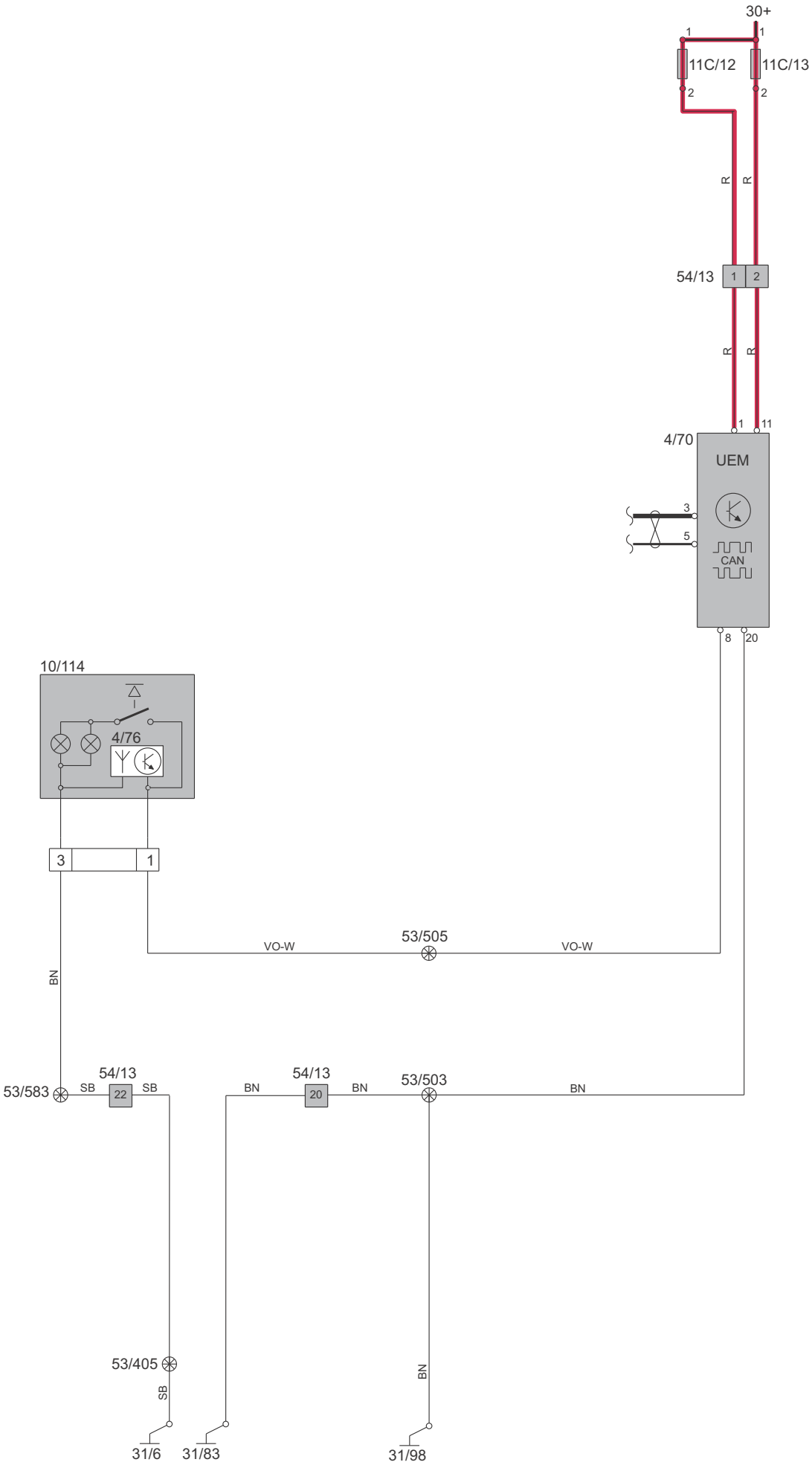


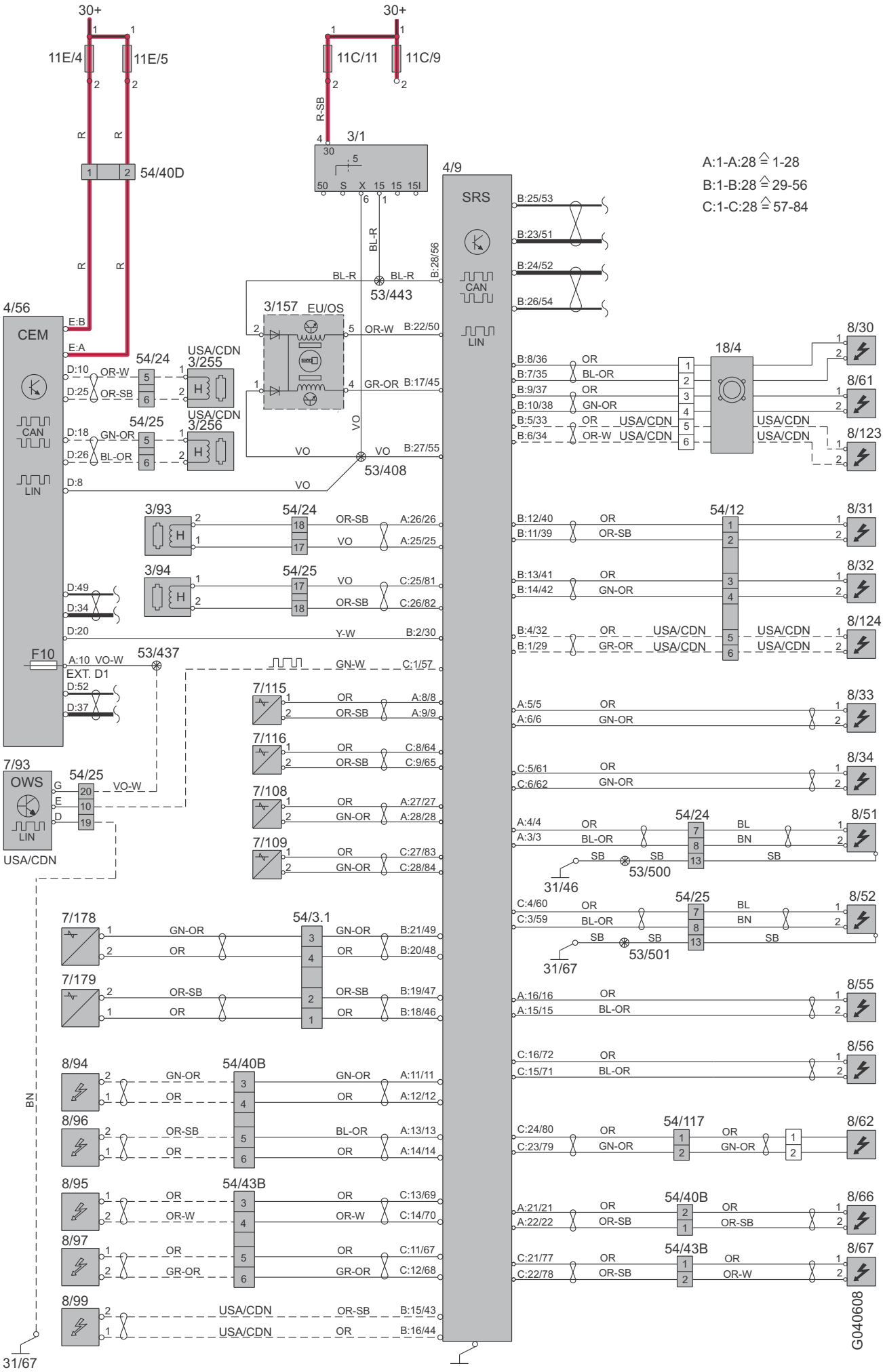
Group 87 Climate control system, Accessories
Relay, electric engine heater




30+
1
11E/4
2
4/56
CEM
CAN
LIN
E:B
R
54/40D
1
R
F11
A:17
X
VO
D:50
D:35
D:34
D:49
2
9/1
1
SB
VO
6
12
54/134
9/24
RD
1
BK
2
6
12
54X/134
SB
VO
9/25
2
1
SB
31/10
I010536

Group 88 Internal equipment
Remote control garage opening




30+
11E/4
11E/5
54/40D
11C/11
11C/9
R-SB
3/1
4/9
SRS
A:1-A:28 ≙ 1-28
B:1-B:28 ≙ 29-56
C:1-C:28 ≙ 57-84
4/56
CEM
E:B
E:A
D:10 OR-W
D:25 OR-SB
54/24
USA/CDN
3/255
3/256
54/25
D:18 GN-OR
D:26 BL-OR
D:8
LIN
CAN
BL-R
53/443
3/157 EU/OS
OR-W B:22/50
GR-OR B:17/45
VO
VO B:27/55
53/408
B:25/53
B:23/51
B:24/52
B:26/54
B:28/56
18/4
8/30
8/61
8/123
B:8/36 OR
B:7/35 BL-OR
B:9/37 OR
B:10/38 GN-OR
B:5/33 OR USA/CDN
B:6/34 OR-W USA/CDN
3/93
3/94
OR-SB A:26/26
VO A:25/25
VO C:25/81
OR-SB C:26/82
D:49
D:34
D:20 Y-W B:2/30
F10
A:10 VO-W
53/437
GN-W C:1/57
EXT. D1
D:52
D:37
54/12
8/31
8/32
8/124
B:12/40 OR
B:11/39 OR-SB
B:13/41 OR
B:14/42 GN-OR
B:4/32 OR USA/CDN
B:1/29 GR-OR USA/CDN
7/115
7/116
7/108
7/109
OR A:8/8
OR-SB A:9/9
OR C:8/64
OR-SB C:9/65
OR A:27/27
GN-OR A:28/28
OR C:27/83
GN-OR C:28/84
7/93
OWS
LIN
USA/CDN
G
E
D
VO-W
8/33
8/34
8/51
A:5/5 OR
A:6/6 GN-OR
C:5/61 OR
C:6/62 GN-OR
A:4/4 OR
A:3/3 BL-OR
BL
BN
SB
53/500
31/46
8/52
C:4/60 OR
C:3/59 BL-OR
53/501
31/67
7/178
7/179
54/3.1
GN-OR B:21/49
OR B:20/48
OR-SB B:19/47
OR B:18/46
8/55
8/56
A:16/16 OR
A:15/15 BL-OR
C:16/72 OR
C:15/71 BL-OR
8/94
8/96
8/95
8/97
8/99
54/40B
54/43B
GN-OR A:11/11
OR A:12/12
OR-SB BL-OR A:13/13
OR A:14/14
OR C:13/69
OR-W C:14/70
OR C:11/67
GR-OR C:12/68
USA/CDN OR-SB B:15/43
USA/CDN OR B:16/44
BN
54/117
8/62
C:24/80 OR
C:23/79 GN-OR
8/66
8/67
A:21/21 OR
A:22/22 OR-SB
C:21/77 OR
C:22/78 OR-SB
OR-W
31/67
G040608

Connectors
54/1 - 54/1B:1-11

54/1
4-pin gray

No.	Executive harness			Executive tunnel harness		
1	11O/6	Fuses in spare fuse holder in cargo compartment	R-W	3/64:1 3/69:1	Switch, heated rear seat, left Switch, heated rear seat, right	R-W
2	2/84:1	Relay, seat heater rear left	BL-R	3/64:2	Switch, heated rear seat, left	BL-R
3	53/171	Branching point	SB	3/64:3 3/69:3	Switch, heated rear seat, left Switch, heated rear seat, right	SB
4	2/85:1	Relay, seat heater rear right	BL-GN	3/69:2	Switch, heated rear seat, right	BL-GN

54/1B
14-pin gray

No.	Engine harness			Engine compartment harness		
1	6/139:2 6/140:2	Upper actuating motor, intake manifold Lower actuating motor, intake manifold	SB	53/397	Branching point	BN
2	7/17:1 53/315	Mass air flow sensor (MAF) Branching point, 5-Cyl. Turbo & 6-Cyl.	GN	11B/12:2	Fuse in engine compartment fuse box	GN
3	53/309 53/335	Branching point, 5-Cyl. Turbo & 6-Cyl. Branching point, Diesel	GN-GR	11B/15:2	Fuse in engine compartment fuse box, 5-Cyl. Diesel & 6-Cyl.	GN-GR
4	6/139:3 6/140:3	Upper actuating motor, intake manifold, 6-Cyl. Lower actuating motor, intake manifold, 6-Cyl.	GN-R GR-R	11B/13:2	Fuse in engine compartment fuse box	GN-SB
5	53/328	Branching point, 5-Cyl. Turbo & 6-Cyl.	GN-W	11B/10:2	Fuse in engine compartment fuse box	GN-W
6	8/3:1 8/3A:1	Electromagnetic clutch, climate control system, Diesel, 5-Cyl. Electromagnetic clutch, climate control system, 6-Cyl.	GR	2/22:1	Relay, climate control system	GR
7	7/15:4 53/304	Heated oxygen sensor, Diesel Branching point, 5-Cyl. Turbo & 6-Cyl.	GN-BN	11B/14:2	Fuse in engine compartment fuse box	GN-BN
8	6/25:2	Starter motor	GN-R	2/35:3	Relay, starter motor	GN-R
9-11	-		-	-		-

continues

Connectors
54/1B:12-14 - 54/3.1:1-7

54/1B
14-pin gray

No.	Engine harness			Engine compartment harness		
12	6/26B:1	Alternator Control Module (ACM)	GN-W	4/56C:16	Central Electronic Module (CEM), 5-Cyl. Turbo	GN-W
13	4/71:4	Cooling fan control module	VO	4/46A:7	Engine Control Module (ECM)	VO
14	4/46A:73	Engine Control Module (ECM), 6-Cyl.	GN-SB	11B/13:2	Fuse in engine compartment fuse box	GN-SB

54/1C
2-pin gray

No.	Engine compartment harness			Diesel engine harness		
1	11A/1:2	Main fuse in engine compartment fuse box	R	4/109:11	Glow plug control module	R
2	-		-	-		-

54/3.1
36-pin gray

No.	Passenger compartment harness			Engine compartment harness		
1	4/9B:18/46	Supplemental Restraint System Module (SRS)	OR	7/179:1	Front impact sensor, left	OR
2	4/9B:19/47	Supplemental Restraint System Module (SRS)	OR-SB	7/179:2	Front impact sensor, left	OR-SB
3	4/9B:21/49	Supplemental Restraint System Module (SRS)	GN-OR	7/178:1	Front impact sensor, right	GN-OR
4	4/9B:20/48	Supplemental Restraint System Module (SRS)	OR	7/178:2	Front impact sensor, right	OR
5	3/156A:2	Gear Selector Module (GSM)	GN-W	4/28B:21 54/57.1:3	Transmission Control Module (TCM), AW51 Connector, Diesel, 6-Cyl.	GN-W
6	54/10:6	Connector	BN	4/46B:4 4/46B:34	Engine Control Module (ECM) Engine Control Module (ECM), 6-Cyl.	BN
7	54/10:5	Connector	W	4/46B:29 4/46B:35	Engine Control Module (ECM) Engine Control Module (ECM), 6-Cyl.	W OR-W

continues

Connectors
54/3.1:8-36

54/3.1
36-pin gray

No.	Passenger compartment harness			Engine compartment harness		
8	54/36:6	Connector	Y	4/46B:21 4/46B:47	Engine Control Module (ECM), 6-Cyl. Engine Control Module (ECM)	Y
9	7/56:1	Sensor ABS, rear left	BN	4/16:36	Brake control module (BCM)	BN
10	7/56:2	Sensor ABS, rear left	Y	4/16:37	Brake control module (BCM)	Y
11	4/56D:32 53/584 54/74:3	Central Electronic Module (CEM) Branching point Connector	W	4/16:11	Brake control module (BCM)	W
12	4/56D:47 53/585 54/74:1	Central Electronic Module (CEM) Branching point Connector	GN	4/16:15	Brake control module (BCM)	GN
13	-		-	-		-
14	4/58C:4	Rear Electronic Module (REM)	Y	3/62:1	Hood alarm contact	Y
15	54/40B:8	Connector	P	16/35:2	Siren Control Module (SCM)	P
16	5/1:6	Driver Information Module (DIM)	Y-R	7/4:1	Brake fluid level sensor	Y-R
17	6/35:1	Fuel pump, auxiliary heater	Y	54/9:2	Connector	Y
18	5/1:2	Driver Information Module (DIM)	GR	4/46B:24 4/46B:37 4/46B:46	Engine Control Module (ECM), 6-Cyl. Engine Control Module (ECM), Diesel Engine Control Module (ECM), 5-Cyl. Turbo	GR
19	7/57:1	Right-hand rear ABS sensor	BN-W	4/16:43	Brake control module (BCM)	BN-W
20	7/57:2	Right-hand rear ABS sensor	Y-W	4/16:42	Brake control module (BCM)	Y-W
21	7/164:1	Body Sensor Cluster Stability Sensor (BSC)	GN	4/16:25	Brake control module (BCM)	GN
22	7/164:2	Body Sensor Cluster Stability Sensor (BSC)	W	4/16:29	Brake control module (BCM)	W
23	7/164:3	Body Sensor Cluster Stability Sensor (BSC)	GR	4/16:6	Brake control module (BCM)	GR
24	7/164:5	Body Sensor Cluster Stability Sensor (BSC)	GR-W	4/16:39	Brake control module (BCM)	GR-W
25	5/1:5	Driver Information module (DIM), LHD	Y	3/47:1	Parking brake connector, LHD	Y
26	3/156A:6 8/134	Gear Selector Module (GSM) Solenoid, reverse interlock, manual	SB	4/28A:54 53/329	Transmission Control Module (TCM) Branching point	SB
27	54/22:10	Connector	GN-W	4/118A:5	Headlamp Control Module (HCM)	GN-W
28	54/23:10	Connector	GN-W	4/118A:7	Headlamp Control Module (HCM)	GN-W
29-36	-		-	-		-

Connectors
54/3.2 - 54/9

54/3.2
6-pin gray, LHD

No.	Passenger compartment harness			Engine compartment harness		
1	54/34:1	Connector	GN-GR	11B/15:2	Fuse in engine compartment fuse box	GN-GR
2	54/34:2	Connector	GN-R	4/46B:34 4/46B:45	Engine Control Module (ECM), 5-Cyl. Turbo Engine Control Module (ECM), 6-Cyl.	GN-R
3	54/34:3	Connector	GN	4/46B:40 4/46B:46	Engine Control Module (ECM), 5-Cyl. Turbo Engine Control Module (ECM), 6-Cyl.	GN
4	54/34:4	Connector	BL-SB	4/46B:7 4/46B:23	Engine Control Module (ECM), 5-Cyl. Turbo Engine Control Module (ECM), 6-Cyl.	BL-SB
5-6	-		-	-		-

54/8
2-pin gray

No.	Engine compartment harness			Auxiliary light harness		
1	11B/5:2	Fuse in engine compartment fuse box	R-SB	2/64:2 2/64:4	Relay auxiliary lights Relay auxiliary lights	R
2	4/56C:9	Central Electronic Module (CEM)	BN-W	2/64:1	Relay auxiliary lights	BN-W

54/9
6-pin gray

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

Connectors
54/10 - 54/11:1-2

54/10
12-pin black

No.	Passenger compartment harness			Front left door harness		
1	11C/5:2	Fuses in passenger compartment fuse box	R	3/126B:12	Driver/Passenger Door Module (DDM)/(PDM)	R
2	4/56A:8	Central Electronic Module (CEM)	BL-R	6/62:4	Left power exterior rearview mirror	BL-R
3	4/56D:39	Central Electronic Module (CEM)	W	3/126A:2	Driver/Passenger Door Module (DDM)/(PDM)	W
4	4/56D:54	Central Electronic Module (CEM)	GN	3/126A:3	Driver/Passenger Door Module (DDM)/(PDM)	GN
5	54/3.1:7	Connector	W	6/62:2	Left power exterior rearview mirror	OR-W
6	54/3.1:6	Connector	BN	6/62:3	Left power exterior rearview mirror	BN
7	4/56A:12 4/58A:21	Central Electronic Module (CEM) Rear Electronic Module (REM)	GN-W	6/62:12 10/15	Left power exterior rearview mirror Direction indicator, front left fender	GN
8	4/58C:12	Rear Electronic Module (REM)	P	3/74:3	Left-hand front door lock unit	P
9	16/1A:5 16/105B:9	Integrated Audio Module (IAM) Audio Module (AUD)	GR GR-R	16/4:1	Left-hand front door speaker	GR-R
10	16/1A:12 16/105B:1	Integrated Audio Module (IAM) Audio Module (AUD)	GR-R GR	16/4:2	Left-hand front door speaker	GR
11	31/66	Ground connection	SB	53/514	Branching point	SB
12	4/56D:24 54/11:12	Central Electronic Module (CEM), LHD Connector	GN-W	27/3:5	Left Camera Module (LCM)	GN-W

54/11
12-pin black

No.	Passenger compartment harness			Front right door harness		
1	11C/6:2	Fuses in passenger compartment fuse box	R	3/127B:12	Passenger/Driver Door Module (PDM)/(DDM)	R
2	4/56A:8	Central Electronic Module (CEM)	BL-R	6/63:4	Right power exterior rearview mirror	BL-R

continues

Connectors
54/11:3-12 - 54/12

54/11
12-pin black

No.	Passenger compartment harness			Front right door harness		
3	53/433	Branching point	W	3/127A:2	Passenger/Driver Door Module (PDM)/(DDM)	W
4	53/434	Branching point	GN	3/127A:3	Passenger/Driver Door Module (PDM)/(DDM)	GN
5	-		-	-		-
6	-		-	-		-
7	4/56A:29 4/58A:20	Central Electronic Module (CEM) Rear Electronic Module (REM)	GN	10/16:12	Direction indicator, front right door	GN-W
8	54/43:4	Connector	P	3/75:3	Right-hand front door lock unit	P
9	16/1A:4 16/105B:11	Integrated Audio Module (IAM) Audio Module (AUD)	GR-R	16/3:1	Right-hand front door speaker	GR-R
10	16/1A:11 16/105B:3	Integrated Audio Module (IAM) Audio Module (AUD)	GR	16/3:2	Right-hand front door speaker	GR
11	53/501	Branching point	SB	53/515	Branching point	SB
12	4/56D:24 54/10:12	Central Electronic Module (CEM), RHD Connector	GN-W	27/4:5	Right Camera Module (RCM)	GN-W

54/12
6-pin orange

No.	Passenger compartment harness			Airbag harness		
1	4/9B:12/40	Supplemental Restraint System Module (SRS)	OR	8/31:1	Airbag igniter, passenger side	-
2	4/9B:11/39	Supplemental Restraint System Module (SRS)	OR-SB	8/31:2	Airbag igniter, passenger side	-
3	4/9B:13/41	Supplemental Restraint System Module (SRS)	OR	8/32:1	Igniter, airbag stage 2, passenger side	-
4	4/9B:14/42	Supplemental Restraint System Module (SRS)	GN-OR	8/32:2	Igniter, airbag stage 2, passenger side	-
5	4/9B:4/32	Supplemental Restraint System module (SRS), USA/CDN	OR	8/124:1	Airbag igniter, passenger side, stage 3, USA/CDN	-
6	4/9B:1/29	Supplemental Restraint System module (SRS), USA/CDN	GR-OR	8/124:2	Airbag igniter, passenger side, stage 3, USA/CDN	-

Connectors
54/13 - 54/16

54/13
22-pin black

No.	Passenger compartment harness			Roof harness		
1	11C/12:2	Fuses in passenger compartment fuse box	R	4/70:1	Upper Electronic Module (UEM)	R
2	11C/13:2	Fuses in passenger compartment fuse box	R	4/70:11	Upper Electronic Module (UEM)	R
3	-		-	-		-
4	-		-	-		-
5	4/56D:38	Central Electronic Module (CEM)	W	4/70:3	Upper Electronic Module (UEM)	W
6	4/56D:53	Central Electronic Module (CEM)	GN	4/70:5	Upper Electronic Module (UEM)	GN
7-13	-		-	-		-
14	4/56D:11	Central Electronic Module (CEM)	W	54/16:4	Connector	W
15	-		-	-		-
16-19	-		-	-		-
20	31/83	Ground connection, left-hand side A-post	BN	53/503	Branching point	BN
21	11C/13:2	Fuses in passenger compartment fuse box	R	4/33A:1	Sun roof Module (SRM)	R
22	53/405	Branching point	SB	53/583	Branching point	SB

54/16
5-pin green

No.	Roof harness			Rain sensor harness		
1	4/70:13	Upper Electronic Module (UEM)	GN	7/149:1	Rain Sensor Module (RSM)	W
2	53/503	Branching point	BN	7/149:2	Rain Sensor Module (RSM)	BN
3	53/505	Branching point	VO-W	7/149:3	Rain Sensor Module (RSM)	VO-W
4	54/13:14	Connector	W	7/149:4	Rain Sensor Module (RSM)	BL-W
5	-		-	-		-

Connectors
54/20 - 54/21:1-2

54/20
12-pin black

No.	Passenger compartment harness			Rear left door harness		
1	16/1A:6 53/523	Integrated Audio Module (IAM) Branching point	GR-W	16/6:1	Speaker, left rear door	GR-W
2	16/1A:13 53/524	Integrated Audio Module (IAM) Branching point	GR	16/6:2	Speaker, left rear door	GR
3	4/58C:3	Rear Electronic Module (REM)	P	3/76:2	Lock unit, rear left door	P
4	4/58C:5	Rear Electronic Module (REM)	BL	3/76:5	Lock unit, rear left door	BL
5	4/58A:19	Rear Electronic Module (REM)	Y	3/85:1	Power window switch, rear left door	Y
6	4/58A:2	Rear Electronic Module (REM)	BL	3/85:3	Power window switch, rear left door	BL
7	4/58C:10	Rear Electronic Module (REM)	W	3/76:7	Lock unit, rear left door	W
8	4/58A:1	Rear Electronic Module (REM)	GN-BN	3/85:5	Power window switch, rear left door	GN-BN
9	4/58A:27	Rear Electronic Module (REM)	VO	2/138:1 3/76:8	Deadlock relay, left-hand rear door Lock unit, rear left door	VO
10	4/58A:24	Rear Electronic Module (REM)	GR	3/76:6	Lock unit, rear left door	GR
11	4/58A:23	Rear Electronic Module (REM)	Y	3/76:4	Lock unit, rear left door	Y
12	53/500	Branching point	SB	3/76:1 3/85:2	Lock unit, rear left door Power window switch, rear left door	SB

54/21
12-pin black

No.	Passenger compartment harness			Rear right door harness		
1	16/1A:3 53/525	Integrated Audio Module (IAM) Branching point	GR-W	16/5:1	Speaker, right rear door	GR-W
2	16/1A:10 53/526	Integrated Audio Module (IAM) Branching point	GR	16/5:2	Speaker, right rear door	GR

continues

Connectors
54/21:3-12 - 54/22:1-4

54/21
12-pin black

No.	Passenger compartment harness			Rear right door harness		
3	54/43:5	Connector	P	3/77:2	Lock unit, rear right door	P
4	54/43:11	Connector	BL	3/77:5	Lock unit, rear right door	BL
5	54/43:7	Connector	Y	3/86:1	Power window switch, right rear door	Y
6	54/43:1	Connector	BL	3/86:3	Power window switch, right rear door	BL
7	54/43:14	Connector	W	3/77:7	Lock unit, rear right door	W
8	54/43:8	Connector	GN-BN	3/86:5	Power window switch, right rear door	GN-BN
9	54/43:6	Connector	VO	2/139:1 3/77:8	Deadlock relay, right-hand rear door Lock unit, rear right door	VO
10	54/43:3	Connector	GR	3/77:6	Lock unit, rear right door	GR
11	54/43:2	Connector	Y	3/77:4	Lock unit, rear right door	Y
12	53/501	Branching point	SB	3/77:1 3/86:2	Lock unit, rear right door Power window switch, right rear door	SB

54/22
10-pin black

No.	Engine compartment harness			Harness, front left lamp housing		
1	4/56B:27	Central Electronic Module (CEM)	BL	10/1A:1	Lamp housing, front left	SB
2	4/56B:7	Central Electronic Module (CEM)	BL-W	10/1A:2	Lamp housing, front left	SB
3	4/56C:19	Central Electronic Module (CEM)	W	10/11:1 10/71:1	Running/parking light, front left Side running light, front left	SB
4	53/301	Branching point	SB	6/38:1 10/1A:4 10/11:2 10/13:2 10/71:2	Motor, left headlight adjustment Lamp housing, front left Running/parking light, front left Direction indicator, front left Side running light, front left	SB

continues

Connectors
54/22:5-10 - 54/23:1-6

54/22
10-pin black

No.	Engine compartment harness			Harness, front left lamp housing		
5	-		-	-		-
6	-		-	-		-
7	53/398	Branching point	VO	6/38:3 10/1A:3	Motor, left headlight adjustment Lamp housing, front left	SB
8	4/56C:12	Central Electronic Module (CEM)	GN-R	6/38:2	Motor, left headlight adjustment	SB
9	4/56B:31	Central Electronic Module (CEM)	GN	10/13:1	Direction indicator, front left	SB
10	54/3.1:27	Connector	GN-W	10/1A:7	Lamp housing, front left	-

54/23
10-pin black

No.	Engine compartment harness			Harness, front right lamp housing		
1	4/56B:28	Central Electronic Module (CEM)	W	10/2A:1	Lamp housing, front right	SB
2	4/56B:4	Central Electronic Module (CEM)	BL-Y	10/2A:2	Lamp housing, front right	SB
3	4/56C:20	Central Electronic Module (CEM)	GR	10/12:1 10/73:1	Running/parking light, front right Side running light, front right	SB
4	53/303	Branching point	SB	6/39:1 10/2A:4 10/12:2 10/14:2 10/73:2	Motor, right headlight adjustment Lamp housing, front right Running/parking light, front right Direction indicator, front right Side running light, front right	SB
5	-		-	-		-
6	-		-	-		-

continues

Connectors
54/23:7-10 - 54/24:1-11

54/23
10-pin black

No.	Engine compartment harness			Harness, front right lamp housing		
7	53/398	Branching point	VO	6/39:3 10/2A:3	Motor, right headlight adjustment Lamp housing, front right	SB
8	4/56C:11	Central Electronic Module (CEM)	GN-BN	6/39:2	Motor, right headlight adjustment	SB
9	4/56B:32	Central Electronic Module (CEM)	GN-W	10/14:1	Direction indicator, front right	SB
10	54/3.1:28	Connector	GN-W	10/2A:7	Lamp housing, front right	-

54/24
20-pin black

No.	Passenger compartment harness			Front left seat harness		
1	53/500	Branching point	SB	9/12A:1	Seat Heating Module (SHM), left-hand	-
2	4/56A:19	Central Electronic Module (CEM)	BL	9/12A:4	Seat Heating Module (SHM), left-hand	-
3	-		-	-		-
4	54/132:2	Connector	GN-W	9/12A:2	Seat Heating Module (SHM), left-hand	-
5	4/56D:10	Central Electronic Module (CEM) USA/CDN	OR-W	3/255:1	Driver’s seat position sensor, USA/CDN	-
6	4/56D:25	Central Electronic Module (CEM) USA/CDN	OR-SB	3/255:2	Driver’s seat position sensor, USA/CDN	-
7	4/9A:4/4	Supplemental Restraint System Module (SRS)	OR	8/51:1	Front left side airbag igniter	BL
8	4/9A:3/3	Supplemental Restraint System Module (SRS)	BL-OR	8/51:2	Front left side airbag igniter	BN
9	-		-	-		-
10	-		-	-		-
11	4/56D:51 4/56D:27	Central Electronic Module (CEM), LHD Central Electronic Module (CEM), RHD	GN Y	4/52B:3 7/175:1	Power Seat Module (PSM), LHD Weight sensor passenger seat, seat belt reminder, RHD	GN Y

continues

Connectors
54/24:12-20 - 54/25:1-5

54/24
20-pin black

No.	Passenger compartment harness			Front left seat harness		
12	4/56D:36 4/56D:28	Central Electronic Module (CEM), LHD Central Electronic Module (CEM), RHD	W VO	4/52B:2 7/175:2	Power Seat Module (PSM), LHD Weight sensor passenger seat, seat belt reminder, RHD	W VO
13	53/500	Branching point	SB	8/51	Front left side airbag igniter	SB
14	4/56A:22 53/437	Central Electronic Module (CEM), RHD Branching point, LHD	VO VO-W	3/27:3 4/52B:1	Switch unit, power passenger seat, RHD Power Seat Module (PSM), LHD	GN-R
15	11C/3:2 11C/4:2	Fuses in passenger compartment fuse box, LHD Fuses in passenger compartment fuse box, RHD	R	4/52A:1 3/27:1	Power Seat Module (PSM), LHD Switch unit, power passenger seat, RHD	BL-R
16	53/500 53/501	Branching point Branching point	SB	3/27:2 4/52A:2 4/52B:4	Switch unit, power passenger seat, RHD Power Seat Module (PSM), LHD Power Seat Module (PSM), LHD	SB
17	4/9A:25/25	Supplemental Restraint System Module (SRS)	VO	3/93:1	Belt buckle contact, left seat	-
18	4/9A:26/26	Supplemental Restraint System Module (SRS)	OR-SB	3/93:2	Belt buckle contact, left seat	-
19	-		-	-		-
20	-		-	-		-

54/25
20-pin black

No.	Passenger compartment harness			Front right seat harness		
1	53/501	Branching point	SB	9/13A:1	Seat Heating Module (SHM), right	-
2	4/56A:18	Central Electronic Module (CEM)	BL	9/13A:4	Seat Heating Module (SHM), right	-
3	-		-	-		-
4	54/132:5	Connector	GN-W	9/13A:2	Seat Heating Module (SHM), right	-
5	4/56D:18	Central Electronic Module (CEM) USA/CDN	GN-OR	3/256:1	Passenger seat position sensor, USA/CDN	-

continues

Connectors
54/25:6-20

54/25
20-pin black

No.	Passenger compartment harness			Front right seat harness		
6	4/56D:26	Central Electronic Module (CEM), USA/CDN	BL-OR	3/256:2	Passenger seat position sensor, USA/CDN	-
7	4/9C:4/60	Supplemental Restraint System Module (SRS)	OR	8/52:1	Front right side airbag igniter	BL
8	4/9C:3/59	Supplemental Restraint System Module (SRS)	BL-OR	8/52:2	Front right side airbag igniter	BN
9	-		-	-		-
10	4/9C:1/57	Supplemental Restraint System module (SRS), USA/CDN	GN-W	7/93:E	Occupant Weight Sensor (OWS), USA/CDN	-
11	4/56D:51	Central Electronic Module (CEM), RHD	GN	4/52B:3	Power Seat Module (PSM), RHD	GN
	4/56D:27	Central Electronic Module (CEM), LHD	Y	7/175:1	Weight sensor passenger seat, seat belt reminder, LHD	Y
12	4/56D:36	Central Electronic Module (CEM), RHD	W	4/52B:2	Power Seat Module (PSM), RHD	W
	4/56D:28	Central Electronic Module (CEM), LHD	VO	7/175:2	Weight sensor passenger seat, seat belt reminder, LHD	VO
13	53/501	Branching point	SB	8/52	Front right side airbag igniter	SB
14	4/56A:22	Central Electronic Module (CEM), LHD	VO	3/27:3	Switch unit, power passenger seat, LHD	GN-R
	53/437	Branching point, RHD	VO-W	4/52B:1	Power Seat Module (PSM), RHD	
15	11C/3:2	Fuses in passenger compartment fuse box, RHD	R	4/52A:1	Power Seat Module (PSM), RHD	BL-R
	11C/4:2	Fuses in passenger compartment fuse box, LHD		3/27:1	Switch unit, power passenger seat, LHD	
16	53/500 53/501	Branching point Branching point	SB	3/27:2	Switch unit, power passenger seat, LHD	SB
				4/52A:2	Power Seat Module (PSM), RHD	
				4/52B:4	Power Seat Module (PSM), RHD	
17	4/9C:25/81	Supplemental Restraint System Module (SRS)	VO	3/94:1	Belt buckle contact, right seat	-
18	4/9C:26/82	Supplemental Restraint System Module (SRS)	OR-SB	3/94:2	Belt buckle contact, right seat	-
19	31/67	Ground connection, USA/CDN	BN	7/93:D	Occupant Weight Sensor (OWS), USA/CDN	-
20	53/437	Branching point, USA/CDN	VO-W	7/93:G	Occupant Weight Sensor (OWS), USA/CDN	-

Connectors
54/32 - 54/36:1-2

54/32
3-pin gray

No.	Passenger compartment harness			Rear left angle sensor harness		
1	4/58C:11	Rear Electronic Module (REM)	GN-R	7/120:5	Angle sensor, Four-C/Dual Xenon rear left	BL-R
2	4/58C:6	Rear Electronic Module (REM)	GR	7/120:4	Angle sensor, Four-C/Dual Xenon rear left	GR-W
3	4/58C:9	Rear Electronic Module (REM)	BN-W	7/120:1	Angle sensor, Four-C/Dual Xenon rear left	BN

54/34
4-pin gray

No.	Passenger compartment harness			Fuel leakage pump harness		
1	54/3.2:1	Connector	GN-GR	6/67:4	Pump, fuel leakage control	GN-GR
2	54/3.2:2	Connector	GN-R	6/67:2	Pump, fuel leakage control	R-SB
3	54/3.2:3	Connector	GN	6/67:3	Pump, fuel leakage control	GN
4	54/3.2:4	Connector	BL-SB	6/67:1	Pump, fuel leakage control	BL-SB

54/35
4-pin gray

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

54/36
6-pin gray

No.	Passenger compartment harness			Fuel tank/cargo compartment harness		
1	4/56D:44	Central Electronic Module (CEM)	BL	6/33:4 6/33:P	Fuel pump Fuel pump	BL -
2	4/56D:45	Central Electronic Module (CEM)	BN	6/33:3 6/33	Fuel pump Fuel pump	BN -

continues

Connectors
54/36:3-6 - 54/40C

54/36
6-pin gray

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

54/40B
12-pin gray

No.	Passenger compartment harness			Cargo compartment harness		
1	4/9A:22/22	Supplemental Restraint System Module (SRS)	OR-SB	8/66:2	Igniter, left inflatable curtain	OR-SB
2	4/9A:21/21	Supplemental Restraint System Module (SRS)	OR	8/66:1	Igniter, left inflatable curtain	OR
3	4/9A:11/11	Supplemental Restraint System Module (SRS)	GN-OR	8/94:2	Left-hand belt tensioner igniter, third row of seats	GN-OR
4	4/9A:12/12	Supplemental Restraint System Module (SRS)	OR	8/94:1	Left-hand belt tensioner igniter, third row of seats	OR
5	4/9A:13/13	Supplemental Restraint System Module (SRS)	BL-OR	8/96:2	Left-hand inflatable curtain igniter, third row of seats	OR-SB
6	4/9A:14/14	Supplemental Restraint System Module (SRS)	OR	8/96:1	Left-hand inflatable curtain igniter, third row of seats	OR
7	-		-	-		-
8	4/58D:26	Rear Electronic Module (REM)	P	54/3.1:15	Connector	P
9	-		-	-		-
10	-		-	-		-
11	53/523	Branching point	GR-W	16/57:1	Speaker, left-hand D-post	GR-W
12	53/524	Branching point	GR	16/57:2	Speaker, left-hand D-post	GR

54/40C
2-pin black

No.	Passenger compartment harness			Cargo compartment harness		
1	53/415	Branching point	R	11E/6:2	Main fuses at battery	R
2	53/403	Branching point	R	11E/7:2	Main fuses at battery	R

Connectors
54/40D - 54/43B:1-2

54/40D
2-pin black

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

54/43
14-pin gray

No.	Passenger compartment harness			Cargo compartment harness		
1	54/21:6	Connector	BL	4/58B:2	Rear Electronic Module (REM)	BL
2	54/21:11	Connector	Y	6/37:2	Lock motor, fuel filler cover	Y
3	54/21:10	Connector	GR	4/58B:12	Rear Electronic Module (REM)	GR
4	54/11:8	Connector	P	4/58D:29	Rear Electronic Module (REM)	P
5	54/21:3	Connector	P	4/58D:33	Rear Electronic Module (REM)	P
6	54/21:9	Connector	VO	4/58B:24	Rear Electronic Module (REM)	VO
7	54/21:5	Connector	Y	4/58B:30	Rear Electronic Module (REM)	Y
8	54/21:8	Connector	GN-BN	4/58B:1	Rear Electronic Module (REM)	GN-BN
9	53/525	Branching point	GR-W	16/58:1	Speaker, right-hand D-post	GR-W
10	53/526	Branching point	GR	16/58:2	Speaker, right-hand D-post	GR
11	54/21:4	Connector	BL	4/58D:28	Rear Electronic Module (REM)	BL
12	-		-	-		-
13	-		-	-		-
14	54/21:7	Connector	W	4/58D:4	Rear Electronic Module (REM)	W

54/43B
8-pin gray

No.	Passenger compartment harness			Cargo compartment harness		
1	4/9C:21/77	Supplemental Restraint System Module (SRS)	OR	8/67:1	Igniter, right inflatable curtain	OR
2	4/9C:22/78	Supplemental Restraint System Module (SRS)	OR-SB	8/67:2	Igniter, right inflatable curtain	OR-W

continues

Connectors
54/43B:3-8 - 54/55

54/43B
8-pin gray

No.	Passenger compartment harness			Cargo compartment harness		
3	4/9C:13/69	Supplemental Restraint System Module (SRS)	OR	8/95:1	Right-hand belt tensioner igniter, third row of seats	OR
4	4/9C:14/70	Supplemental Restraint System Module (SRS)	OR-W	8/95:2	Right-hand belt tensioner igniter, third row of seats	OR-W
5	4/9C:11/67	Supplemental Restraint System Module (SRS)	OR	8/97:1	Right-hand inflatable curtain igniter, third row of seats	OR
6	4/9C:12/68	Supplemental Restraint System Module (SRS)	GR-OR	8/97:2	Right-hand inflatable curtain igniter, third row of seats	GR-OR
7-8	-		-	-		-

54/50
2-pin gray

No.	Cargo compartment harness			Trunk lid/tailgate harness		
1	53/601	Branching point	SB	6/32:3 9/2C:1	Rear window wiper motor Heated rear window	W
2	-		-	-		-

54/53.1
4-pin black

No.	Knock sensor harness			Engine compartment harness		
1	7/24:1	Front knock sensor	-	4/46A:46	Engine Control Module (ECM)	BN-SB
2	7/24:2	Front knock sensor	-	4/46A:64	Engine Control Module (ECM)	SB
3	7/23:1	Rear knock sensor	-	4/46A:45	Engine Control Module (ECM)	BN
4	7/23:2	Rear knock sensor	-	4/46A:67	Engine Control Module (ECM)	Y-SB

54/55
3-pin black, RHD

No.	Engine compartment harness			Brake pressure sensor harness		
1	4/16:19	Brake control module (BCM)	GN-BN	7/129:1	Brake pressure sensor 2 (B)	BN
2	4/16:20	Brake control module (BCM)	GN-W	7/129:2	Brake pressure sensor 2 (B)	W
3	4/16:18	Brake control module (BCM)	GR-W	7/129:3	Brake pressure sensor 2 (B)	GR

Connectors
54/56 - 54/74

54/56
3-pin black, RHD

No.	Engine compartment harness			Brake pressure sensor harness		
1	4/16:21	Brake control module (BCM)	BL-BN	7/139:1	Brake pressure sensor 1 (A)	BN
2	4/16:23	Brake control module (BCM)	OR-W	7/139:2	Brake pressure sensor 1 (A)	W
3	4/16:22	Brake control module (BCM)	GR-OR	7/139:3	Brake pressure sensor 1 (A)	GR

54/57.1
8-pin gray, Diesel & 6 Cyl.

No.	Automatic transmission harness			Engine compartment harness		
1	4/28A:1	Transmission Control Module (TCM)	R	11B/9:2	Fuse in engine compartment fuse box	R
2	-		-	-		-
3	4/28A:7	Transmission Control Module (TCM)	GN-W	54/3.1:5	Connector	GN-W
4	4/28A:11	Transmission Control Module (TCM)	BL-R	4/56C:13	Central Electronic Module (CEM)	BL-R
5	4/28A:5	Transmission Control Module (TCM)	Y	4/46B:13 4/46B:34	Engine Control Module (ECM), 6-Cyl. Engine Control Module (ECM), Diesel	Y
6	4/28A:6	Transmission Control Module (TCM)	GN	53/353	Branching point	GN
7	4/28A:14	Transmission Control Module (TCM)	W	53/352	Branching point	W
8	4/28A:9	Transmission Control Module (TCM)	SB	53/329	Branching point	SB

54/74
4-pin yellow

No.	Passenger compartment harness			Harness, all wheel drive module		
1	4/56D:47 53/585 54/3.1:12	Central Electronic Module (CEM) Branching point Connector	GN	4/82:7	Differential Electronic Module (DEM)	GN
2	4/58A:14	Rear Electronic Module (REM)	BL	4/82:1	Differential Electronic Module (DEM)	BL-R
3	4/56D:32 53/584 54/3.1:11	Central Electronic Module (CEM) Branching point Connector	W	4/82:8	Differential Electronic Module (DEM)	W
4	31/46	Ground connection	SB	4/82:2 4/82:4	Differential Electronic Module (DEM) Differential Electronic Module (DEM)	BN SB

Connectors
54/100 - 54/132

54/100
2-pin black

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

54/112
4-pin gray

No.	Passenger compartment harness			Infotainment harness	
1	53/452	Branching point	VO-W	30-feed	-
2	53/454	Branching point	VO	Extended D-feed	-
3	-		-	-	-
4	53/438	Branching point	BN	Ground connection	-

54/117
2-pin orange

No.	Passenger compartment harness			Belt tensioner harness		
1	4/9C:24/80	Supplemental Restraint System Module (SRS)	OR	8/62:1	Belt tensioner igniter, center rear seat	OR
2	4/9C:23/79	Supplemental Restraint System Module (SRS)	GN-OR	8/62:2	Belt tensioner igniter, center rear seat	GN-OR

54/132
6-pin gray

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

Connectors
54/134 - 54/136

54/134
12-pin gray

No.	Passenger compartment harness			Harness AUX/12V		
1	16/1A:9	Integrated Audio Module (IAM)	WH	3/20:8 17/40A:1 17/40.1:5	Switch box External equipment input (AUX) External equipment input (AUX)	WH BN
2	16/1A:14	Integrated Audio Module (IAM)	BL-WH	17/40A:2 3/320:9 17/40.1:7	External equipment input (AUX) Switch box External equipment input (AUX)	BL-WH BN
3	54/140:4	Connector	GY	3/320:3	Switch box	GY
4	54/140:1	Connector	YE	3/320:4	Switch box	YE
5	53/467	Branching point	SCRN	3/320	Switch box	SCRN
6	9/1:1	Outlet 12V front	SB	9/25:2 53/2	Outlet 12V rear Branching point	SB
7	16/1A:7	Integrated Audio Module (IAM)	BL-BN	17/40A:4 3/320:A 17/40.1:6	External equipment input (AUX) Switch box External equipment input (AUX)	BL-BN GN
8	54/140:2	Connector	PK	3/320:1	Switch box	PK
9	-		-	-		-
10	-		-	-		-
11	-		-	-		-
12	9/1:2	Outlet 12V front	VO	9/25:1 53/1	Outlet 12V rear Branching point	VO YE-VO

54/135
1-pin blue

No.	Passenger compartment harness			GPS antenna harness		
1	16/108D:1	Multimedia Module (MMM)	-	16/63:B 16/64:B	GPS antenna, cellular phone Antenna, cellular phone	-

54/136
1-pin

No.	Passenger compartment harness			GSM antenna harness		
1	16/60D:1	Phone Module (PHM)	-	16/63:A 16/64:A	GPS antenna, cellular phone Antenna, cellular phone	-

Connectors
54/139 - 54/146

54/139
12-pin gray

No.	Passenger compartment harness			RSE left backrest harness		
1	54/1401:6	Connector	SB	16/81A:7	Screen, LH head restraint	SB
2	54/1402:1	Connector	R-W	16/81A:6	Screen, LH head restraint	R-W / R
3	54/1402:2	Connector	VO	16/81A:5	Screen, LH head restraint	VO-GR / R-W
4	54/1402:3	Connector	GN	16/81A:4	Screen, LH head restraint	GN/BN
5	54/1402:4	Connector	W	16/81A:3	Screen, LH head restraint	W/BL
6	54/1402:5	Connector	-	-		SCRN
7	54/1402:6	Connector	P	16/81A:12	Screen, LH head restraint	P
8	54/1402:7	Connector	GR	16/81A:11	Screen, LH head restraint	GR
9	54/1402:8	Connector	Y	16/81A:9	Screen, LH head restraint	Y
10	54/1402:9	Connector	GN	16/81A:10	Screen, LH head restraint	GN
11	54/1402:10	Connector	BN	16/81A:8	Screen, LH head restraint	BN
12	54/1402:11	Connector	W	16/81A:2	Screen, LH head restraint	W

54/140
12-pin gray

No.	Passenger compartment harness			RSE right backrest harness		
1	54/1401:5	Connector	SB	16/81B:7	Screen, RH head restraint	SB
2	54/1402:12	Connector	R-W	16/81B:6	Screen, RH head restraint	R-W / R
3	54/1402:13	Connector	VO	16/81B:5	Screen, RH head restraint	VO-GR / R-W
4	54/1402:14	Connector	GN	16/81B:4	Screen, RH head restraint	GN/BN
5	54/1402:15	Connector	W	16/81B:3	Screen, RH head restraint	W/BL
6	54/1402:16	Connector	-	-		SCRN
7	54/1402:17	Connector	P	16/81B:12	Screen, RH head restraint	P
8	54/1402:18	Connector	GR	16/81B:11	Screen, RH head restraint	GR
9	54/1402:19	Connector	Y	16/81B:9	Screen, RH head restraint	Y
10	54/1402:20	Connector	GN	16/81B:10	Screen, RH head restraint	GN
11	54/1402:21	Connector	BN	16/81B:8	Screen, RH head restraint	BN
12	54/1402:22	Connector	W	16/81B:2	Screen, RH head restraint	W

54/146
1-pin

No.	Engine compartment harness			Battery plus harness		
1	2/32:1	Main relay, engine management system	R	11L/1:2	Fuse, Diesel	R

Connectors
54/1300 - 54/1400

54/1300
6-pin gray

No.	PAM harness, engine compartment			PAM harness, bumper		
1	54/1400:1	Connector	BL	53/1300	Branching point	BL
2	54/1400:2	Connector	GN	7/207:2	Front parking assistance sensor	GN
3	54/1400:3	Connector	VO	7/206:2	Front parking assistance sensor	VO
4	54/1400:4	Connector	Y	7/205:2	Front parking assistance sensor	Y
5	54/1400:5	Connector	W	7/204:2	Front parking assistance sensor	W
6	54/1400:6	Connector	SB	53/1301	Branching point	SB

54/1400
6-pin gray

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

Connectors
54/1401 - 54/1402:1-15

54/1401
12-pin gray

No.	RSE tunnel harness		Passenger compartment harness		
1	16/109D:16 DVD player/control module	GR	54/134:4	Connector	YE
2	16/109D:17 DVD player/control module	GR-R	54/134:8	Connector	PK
3	16/109D:2 DVD player/control module	VO	54/134:9	Connector	Y
4	16/109D:3 DVD player/control module	SB	54/134:3	Connector	GY
5	16/109E:24 DVD player/control module	SB	54/140:1	Connector	SB
6	16/109E:12 DVD player/control module	SB	54/139:1	Connector	SB
7	16/109A:4 DVD player/control module	R	11C/8:2	Fuses in passenger compartment fuse box	R
8	16/109A:8 DVD player/control module	SB	53/438	Branching point	BN
9	16/109A:7 DVD player/control module	VO	4/56A:6	Central Electronic Module (CEM)	VO
10	16/109A:6 DVD player/control module	W	4/56D:12	Central Electronic Module (CEM)	W
11	-	-	-		-
12	-	-	-		-

54/1402
22-pin gray

No.	RSE tunnel harness		Passenger compartment harness		
1	16/190E:1 DVD player/control module	R-W	54/139:2	Connector	R-W
2	16/190E:2 DVD player/control module	VO-GR	54/139:3	Connector	VO
3	16/190E:3 DVD player/control module	GN	54/139:4	Connector	GN
4	16/190E:4 DVD player/control module	W	54/139:5	Connector	W
5	16/190E:12 DVD player/control module	-	54/139:6	Connector	-
6	16/190E:11 DVD player/control module	P	54/139:7	Connector	P
7	16/190E:10 DVD player/control module	GR	54/139:8	Connector	GR
8	16/190E:7 DVD player/control module	Y	54/139:9	Connector	Y
9	16/190E:8 DVD player/control module	GN	54/139:10	Connector	GN
10	16/190E:6 DVD player/control module	BN	54/139:11	Connector	BN
11	16/190E:5 DVD player/control module	W	54/139:12	Connector	W
12	16/190E:13 DVD player/control module	R-W	54/140:2	Connector	R-W
13	16/190E:14 DVD player/control module	VO-GR	54/140:3	Connector	VO
14	16/190E:15 DVD player/control module	GN	54/140:4	Connector	GN
15	16/190E:16 DVD player/control module	W	54/140:5	Connector	W

continues

Connectors
54/1402:16-22 - 54/1403

54/1402
22-pin gray

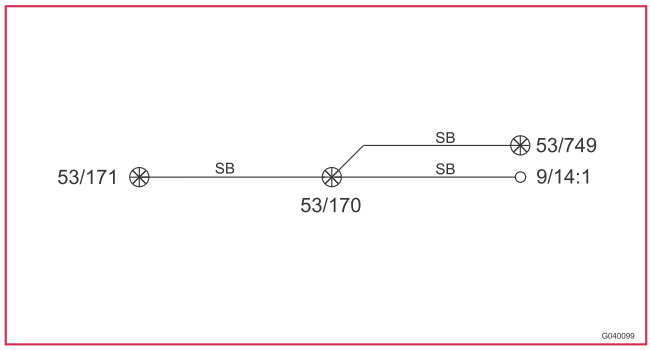
No.	RSE tunnel harness		Passenger compartment harness		
16	16/190E:24 DVD player/control module	-	54/140:6	Connector	-
17	16/190E:23 DVD player/control module	P	54/140:7	Connector	P
18	16/190E:22 DVD player/control module	GR	54/140:8	Connector	GR
19	16/190E:19 DVD player/control module	Y	54/140:9	Connector	Y
20	16/190E:20 DVD player/control module	GN	54/140:10	Connector	GN
21	16/190E:18 DVD player/control module	BN	54/140:11	Connector	BN
22	16/190E:17 DVD player/control module	W	54/140:12	Connector	W

54/1403
12-pin black

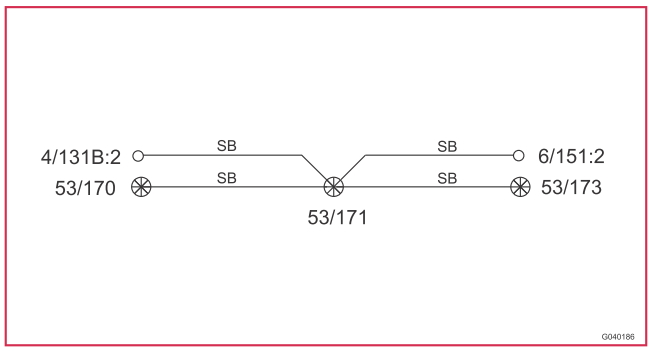
No.	RSE tunnel harness		TV receiver harness		
1	16/109C:1 DVD player/control module	W	16/36A:20	TV receiver	W
2	16/109C:2 DVD player/control module	BN	16/36A:5	TV receiver	BN
3	16/109C:3 DVD player/control module	GN	16/36A:22	TV receiver	GN
4	16/109C:4 DVD player/control module	Y	16/36A:21	TV receiver	Y
5	16/109C:5 DVD player/control module	GR	16/36A:6	TV receiver	GR
6	-	-	16/36A:13	TV receiver	SCRN
7	16/109D:15 DVD player/control module	SB-W	16/36B:3	TV receiver	SB-W
8	16/109D:25 DVD player/control module	BL	16/36B:1	TV receiver	BL
9	16/109D:11 DVD player/control module	R-VO	16/36A:25	TV receiver	R-VO
10	16/109A:4 DVD player/control module	GR-Y	Fuse	5A	GR-Y
11	16/109A:8 DVD player/control module	SB-VO	16/36A:13	TV receiver	SB-VO
12	-	-	-		-

Branching points
53/170 - 53/304 6-Cyl.

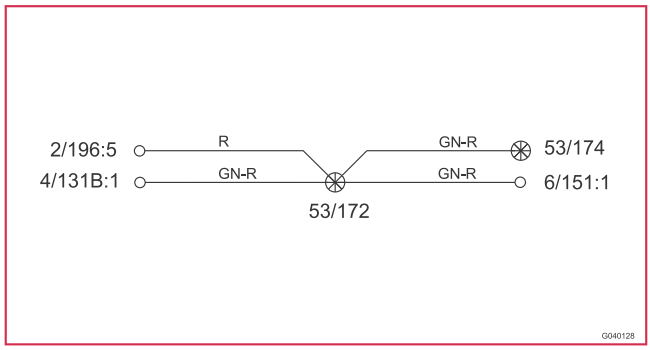
53/170



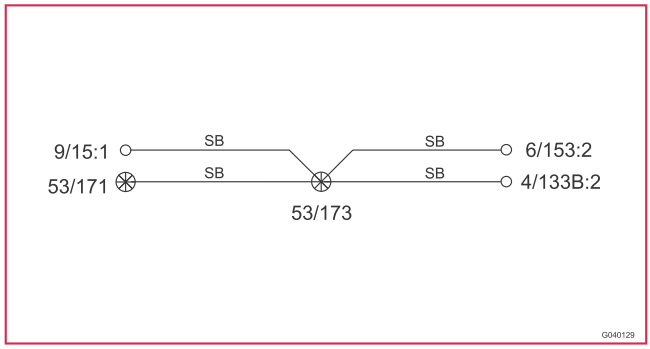
53/171



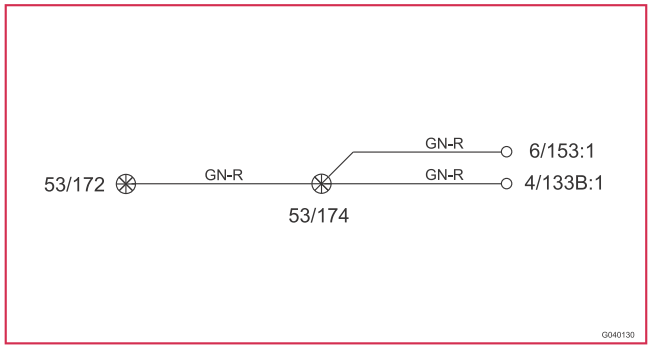
53/172



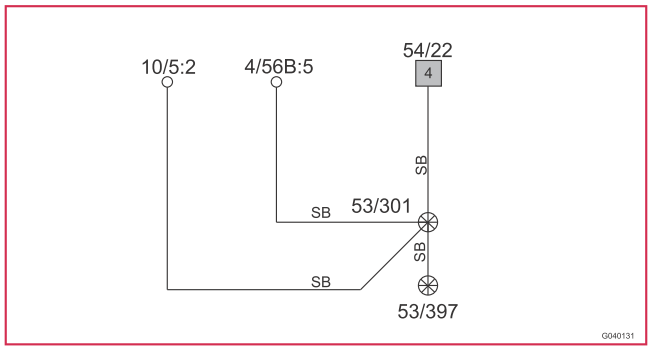
53/173



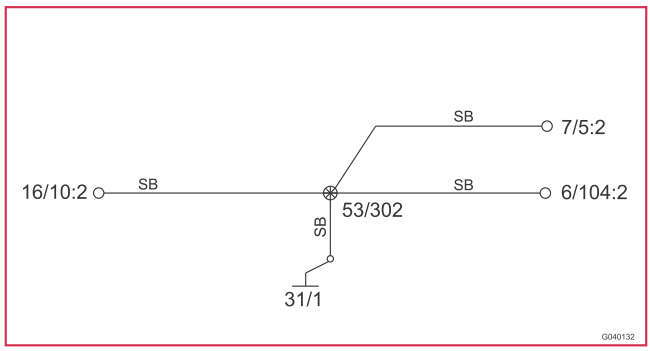
53/174



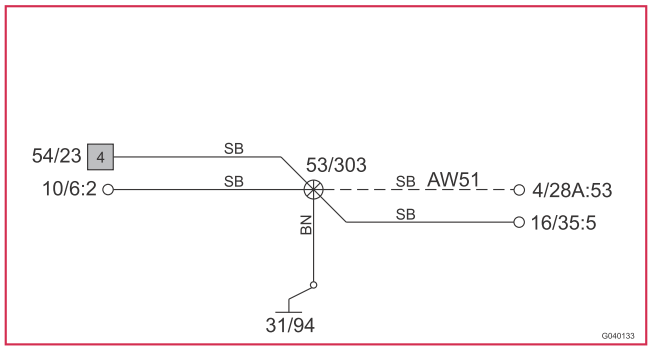
53/301



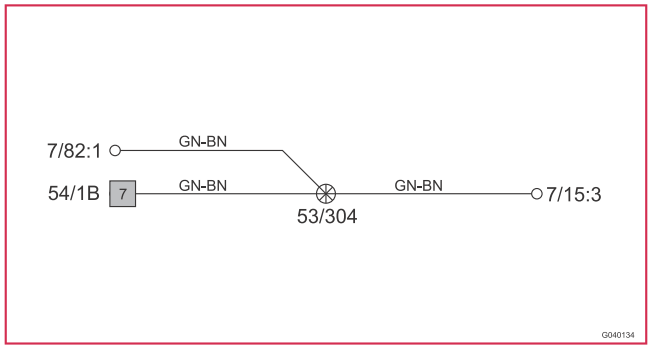
53/302



53/303



53/304 5-Cyl. Turbo.



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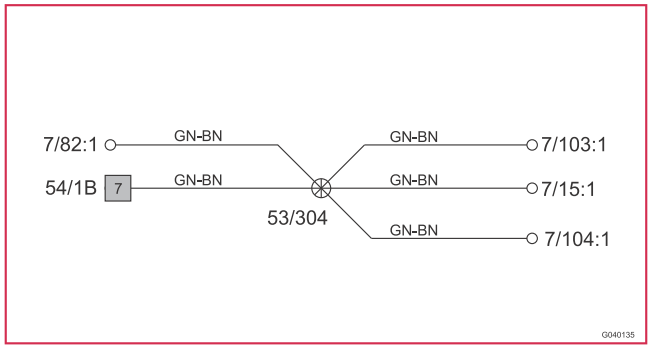
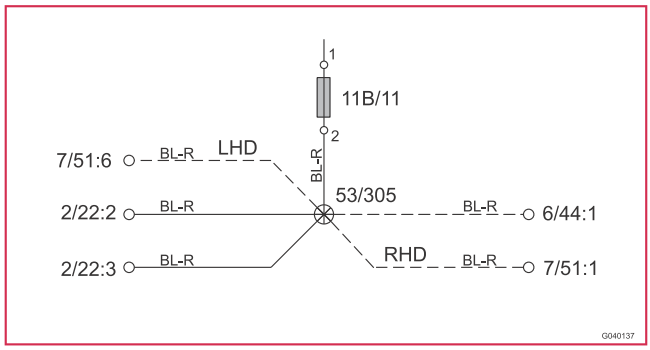
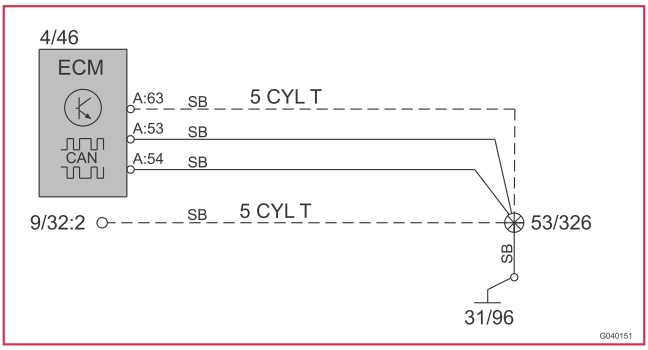


Branching points
53/305 - 53/331

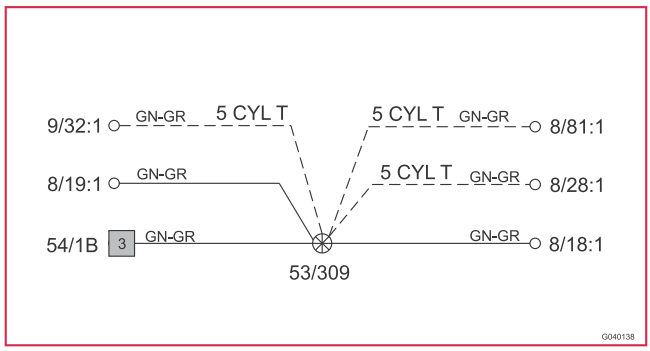
53/305



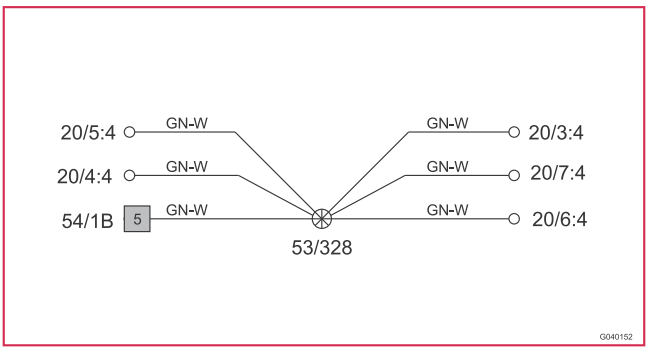
53/326



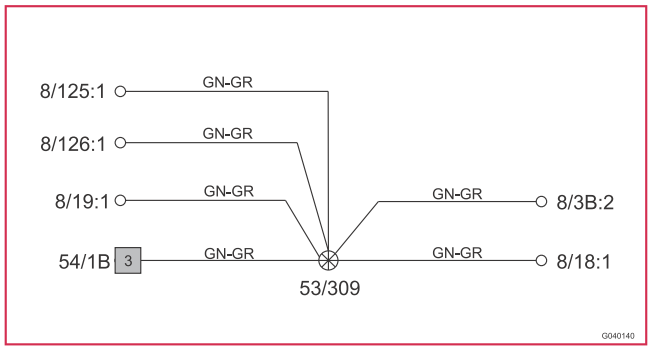
53/309



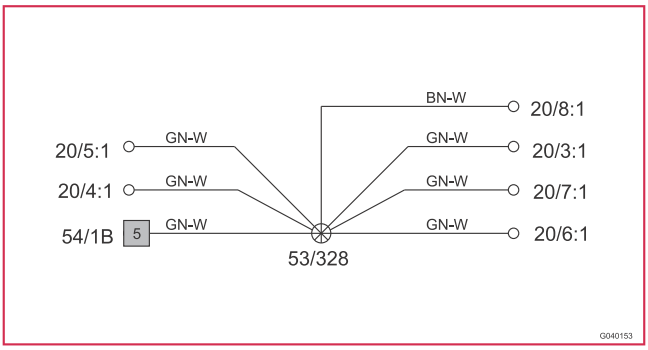
53/328



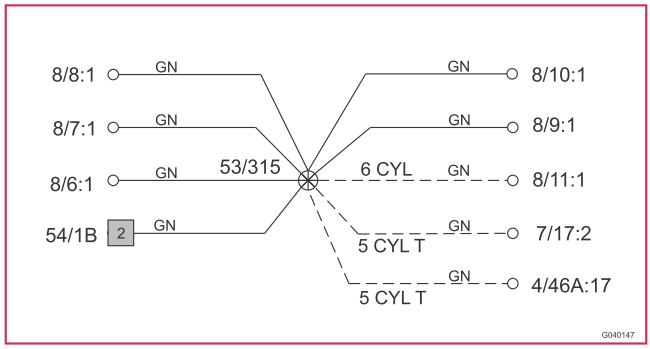
53/309 6-Cyl.



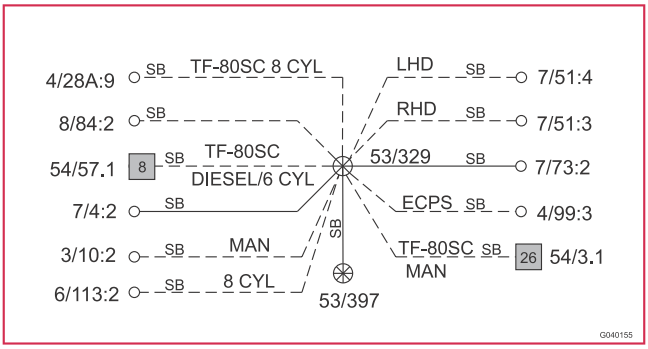
53/328 6-Cyl.



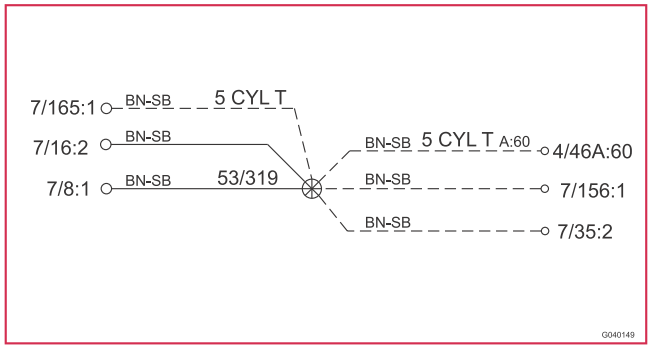
53/315



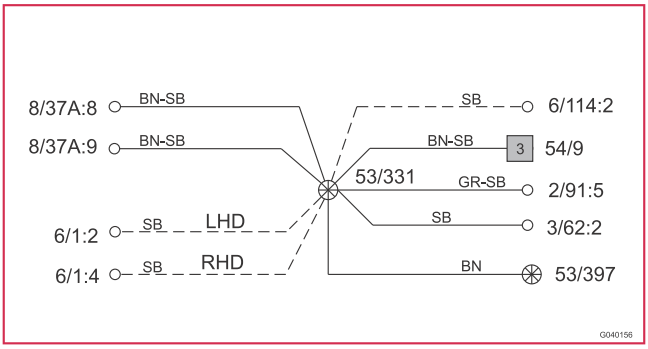
53/329



53/319

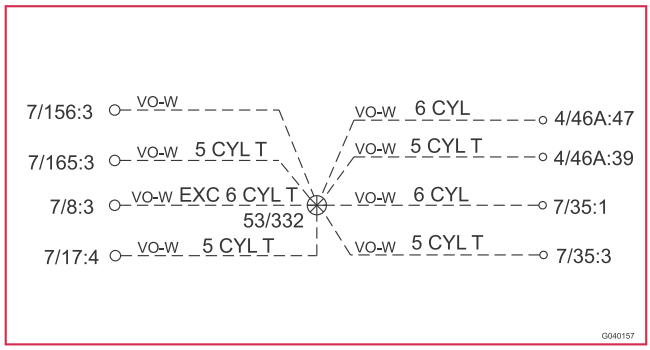


53/331

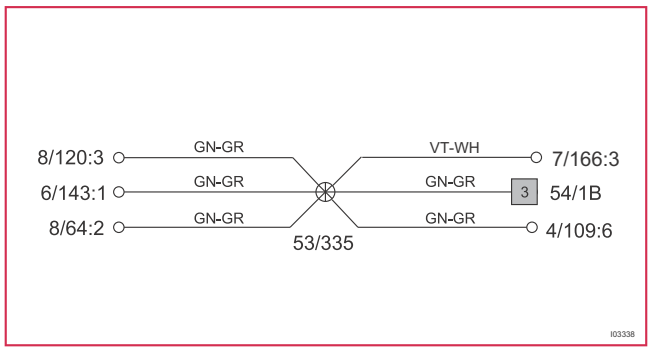


Branching points
53/332 - 53/394

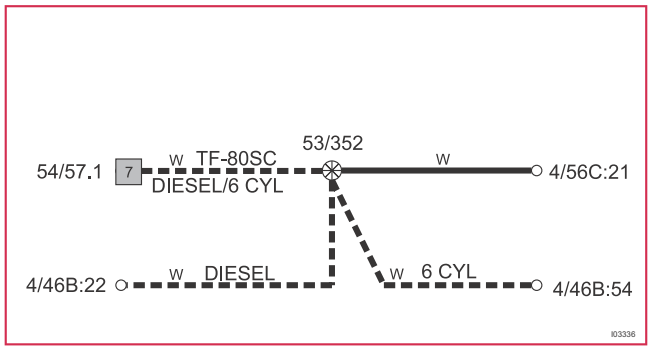
53/332



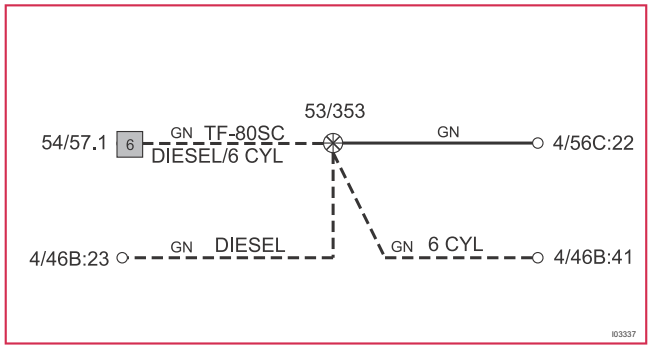
53/335



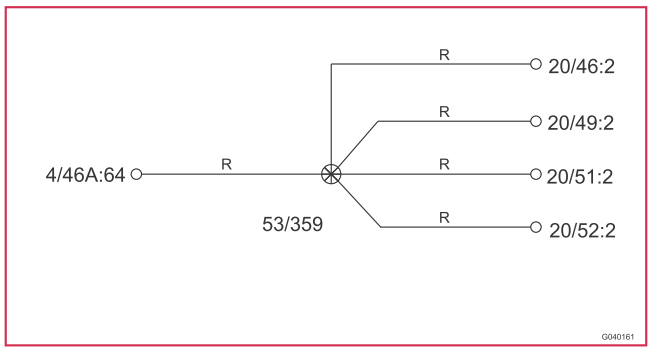
53/352



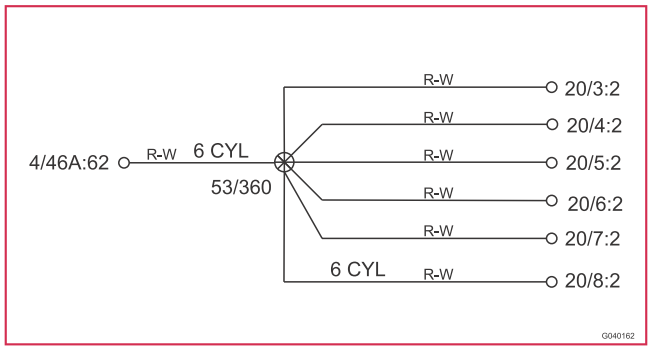
53/353



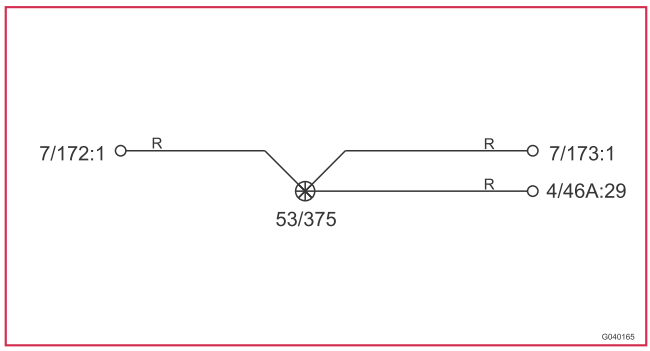
53/359



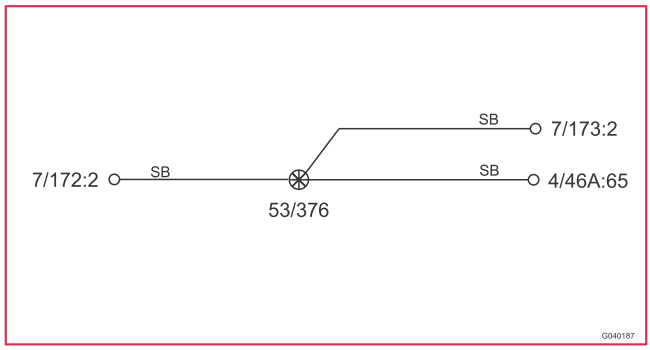
53/360



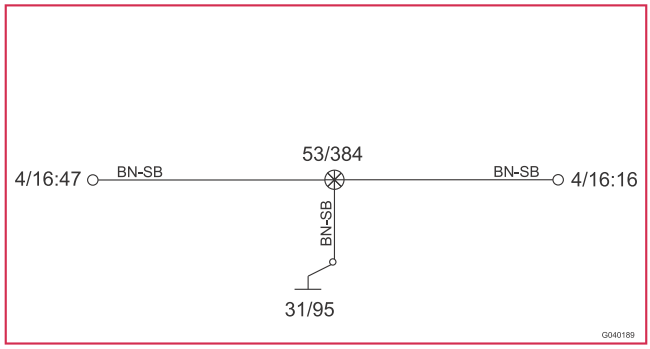
53/375



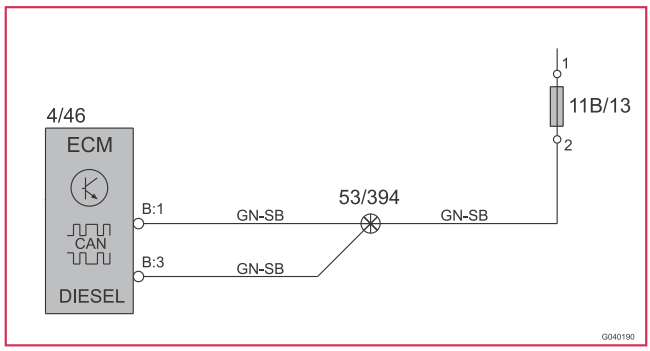
53/376



53/384

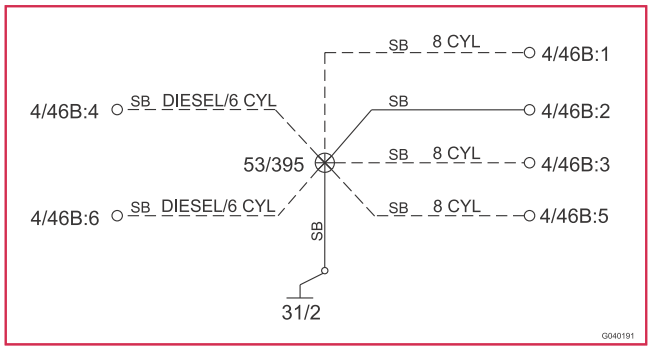


53/394

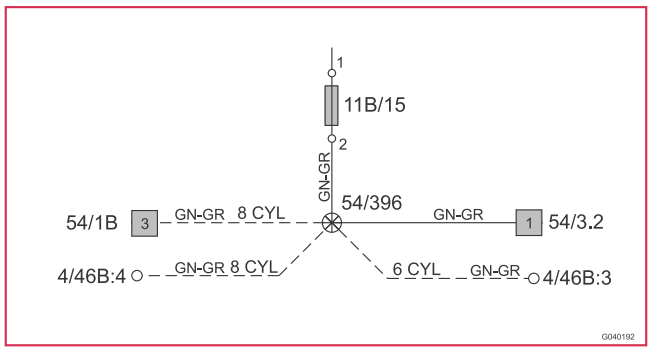


Branching points
53/395 - 53/425

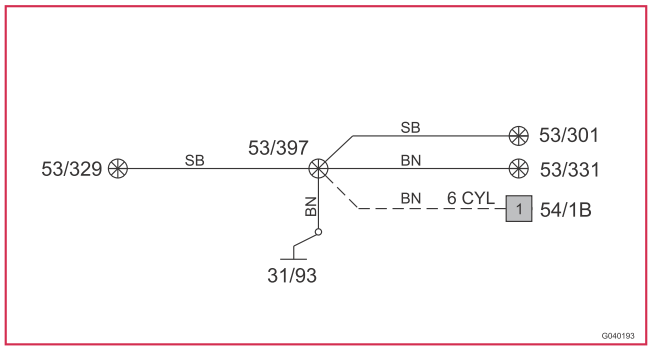
53/395



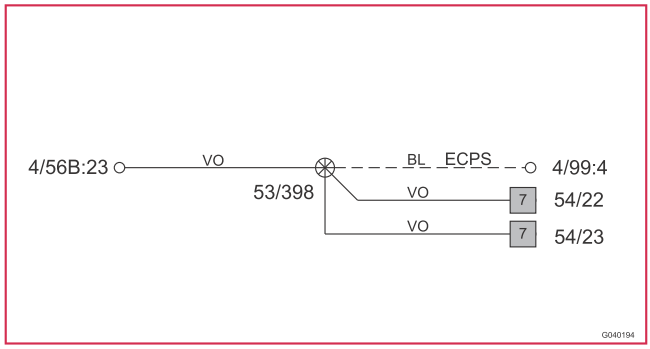
53/396



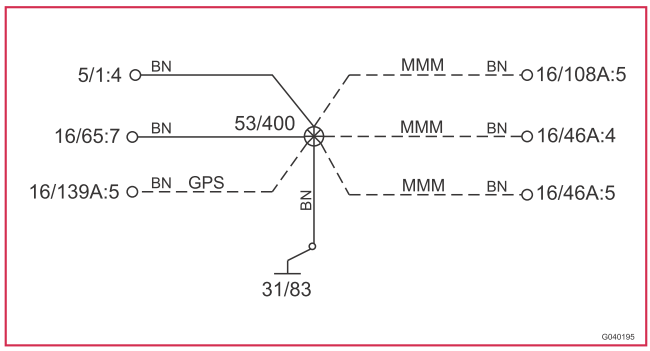
53/397



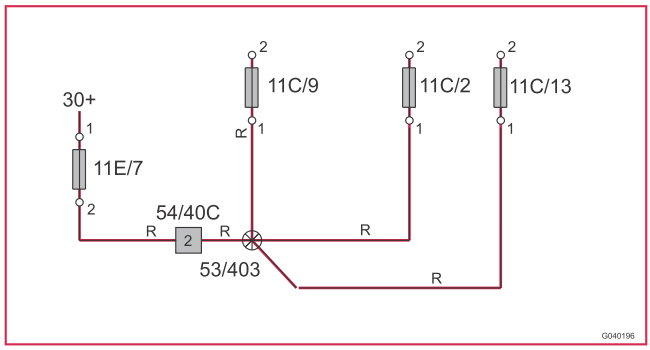
53/398



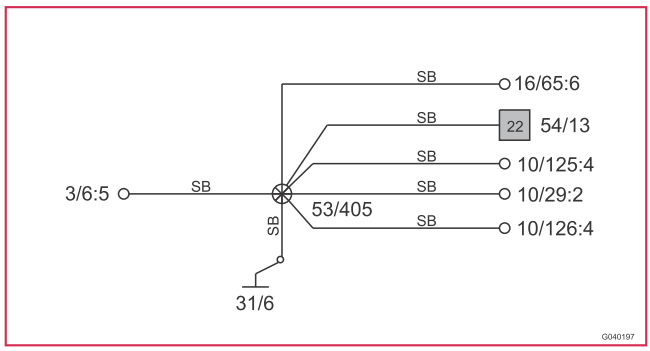
53/400



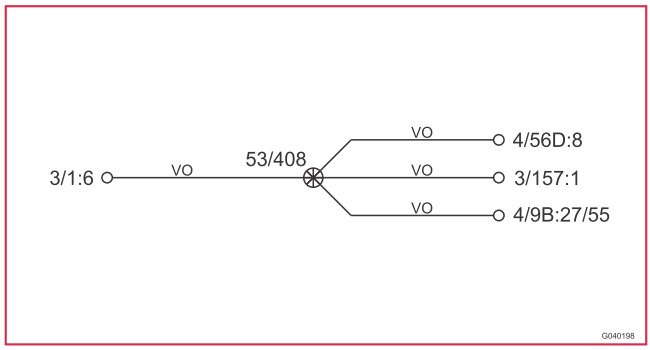
53/403



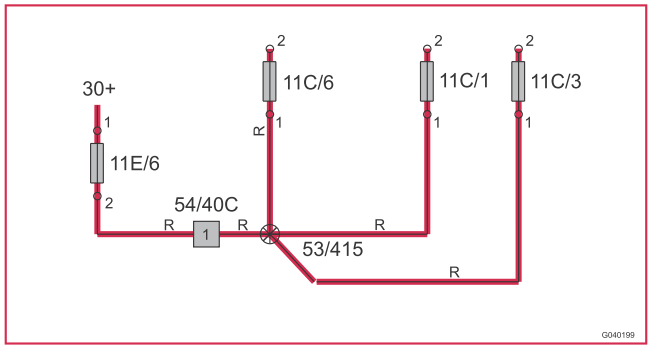
53/405



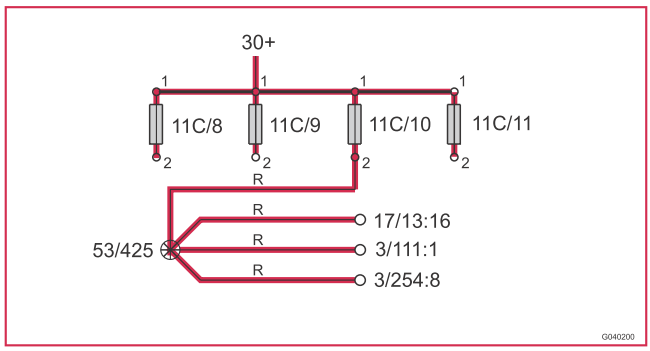
53/408



53/415

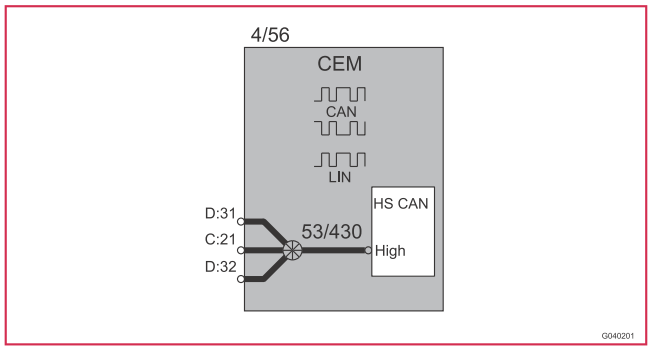


53/425

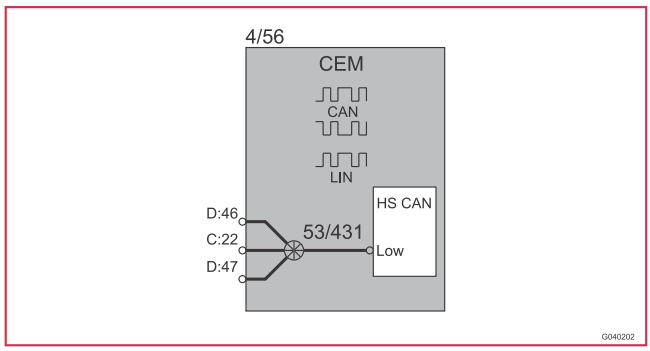


Branching points
53/430 - 53/452

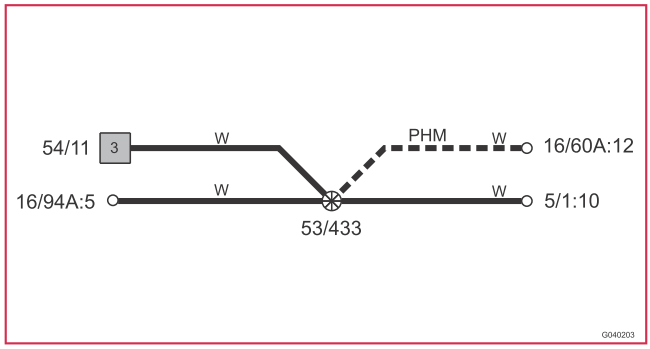
53/430



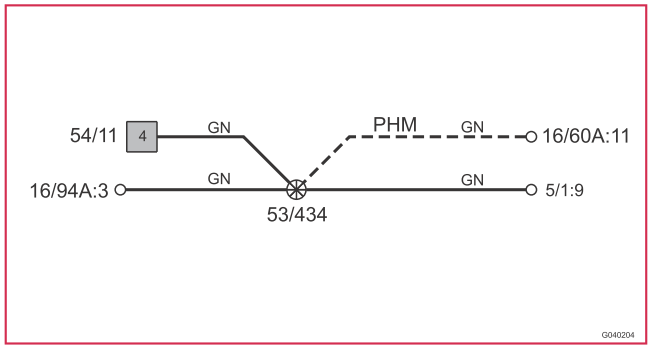
53/431



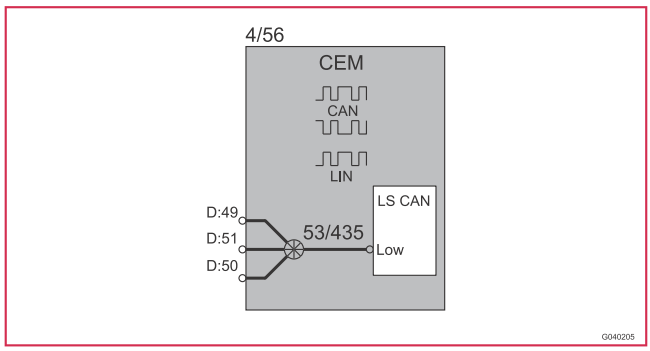
53/433



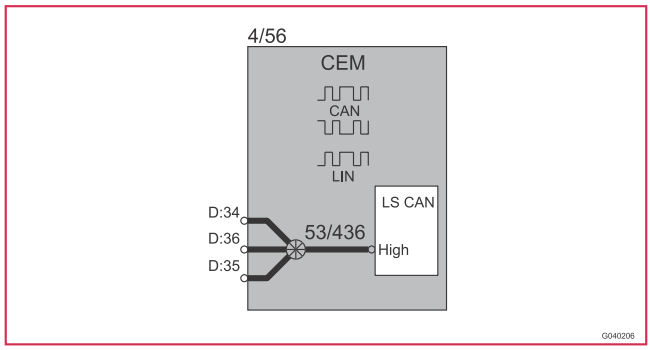
53/434



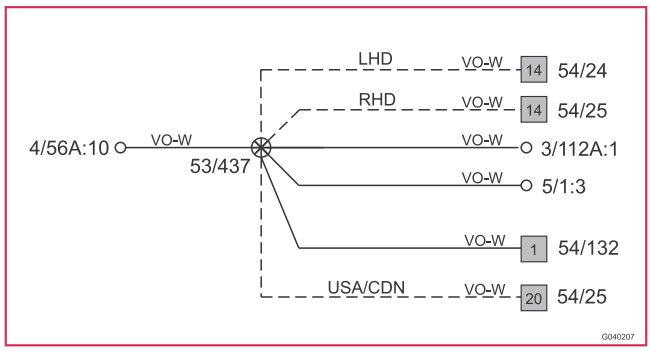
53/435



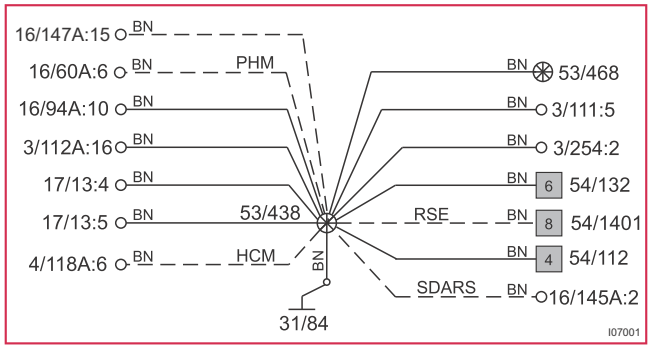
53/436



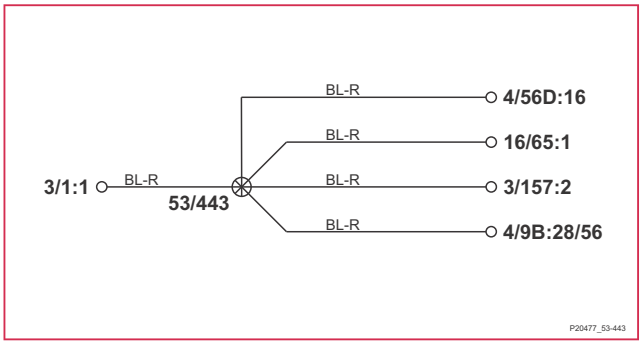
53/437



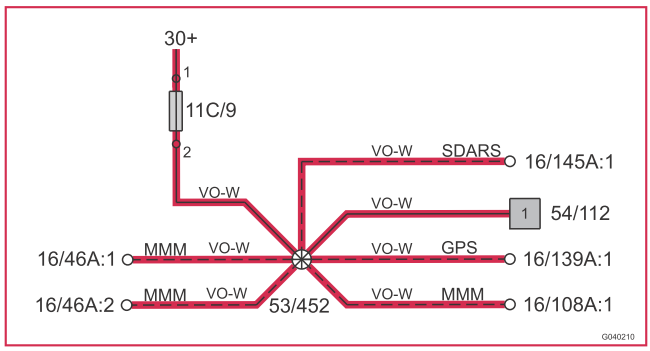
53/438



53/443

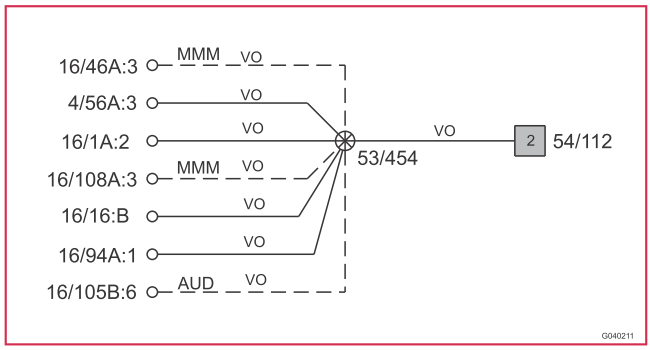


53/452

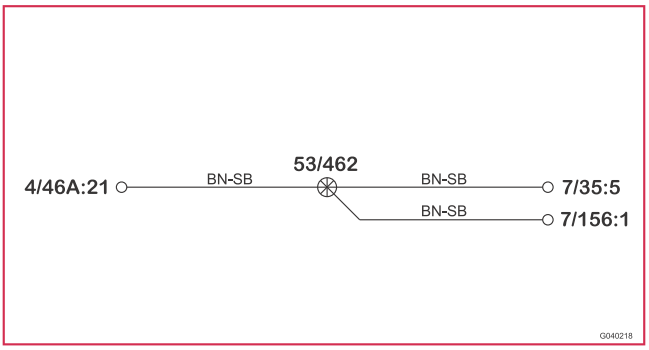


Branching points
53/454 - 53/501

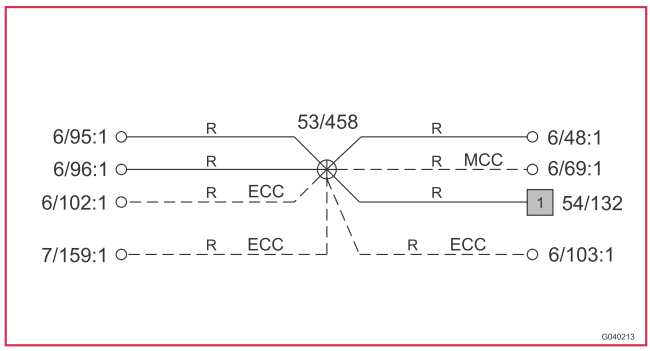
53/454



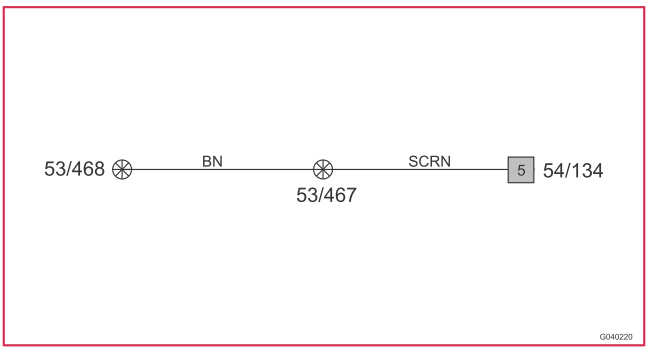
53/462



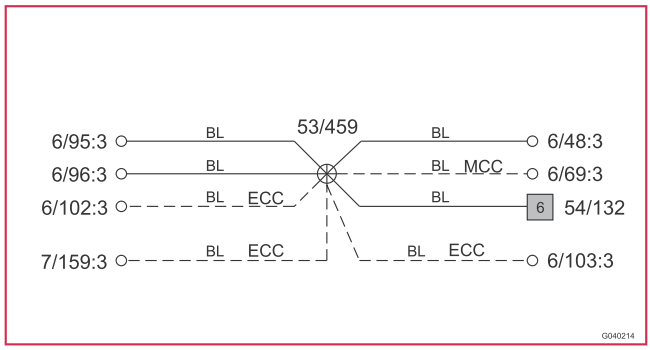
53/458



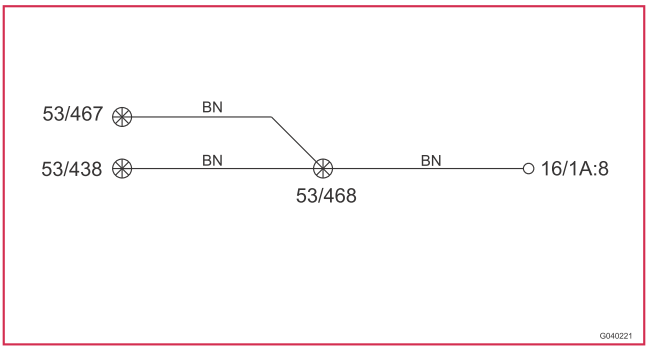
53/467



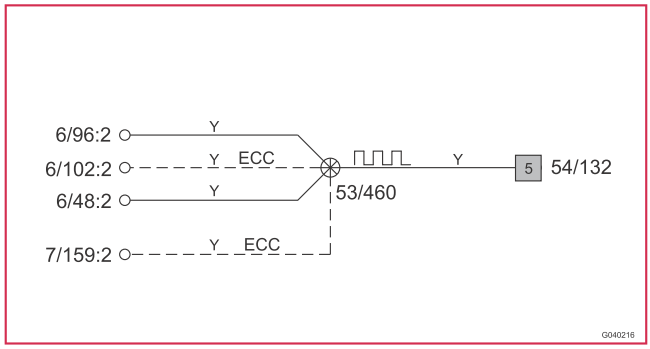
53/459



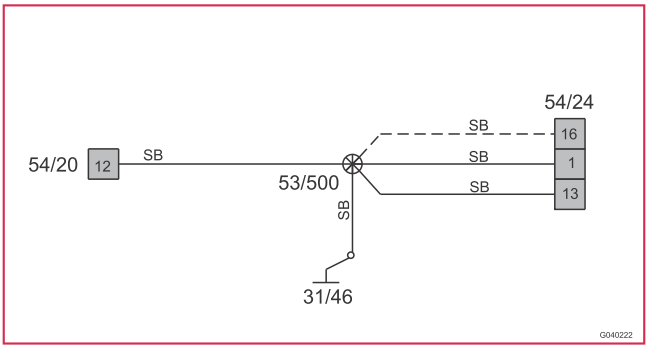
53/468



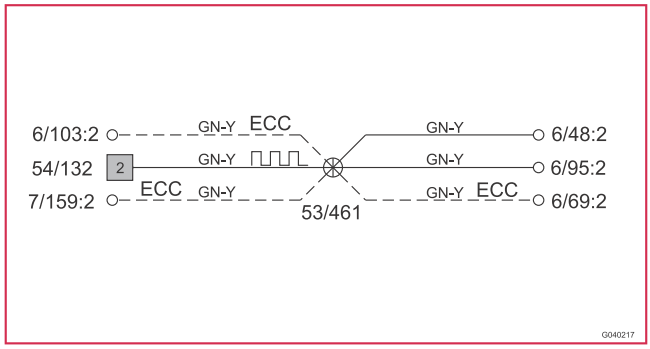
53/460



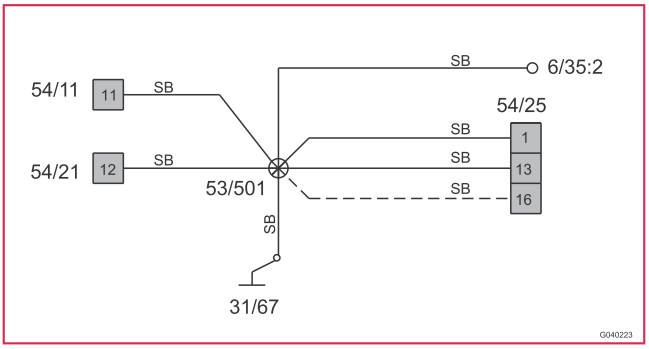
53/500



53/461

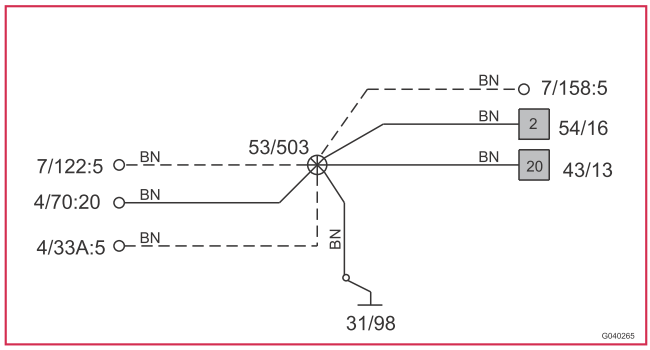


53/501

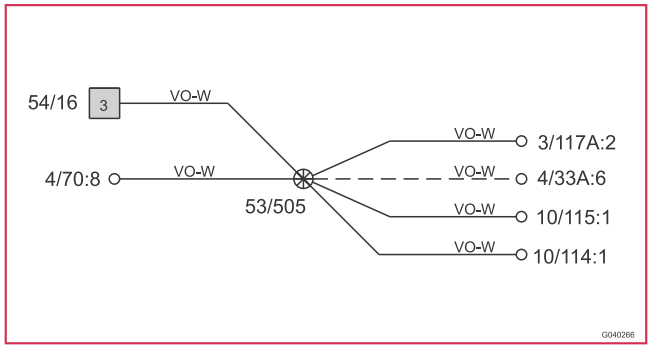


Branching points
53/503 - 53/526

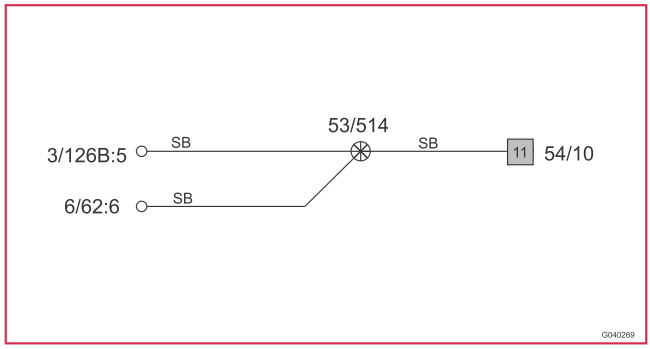
53/503



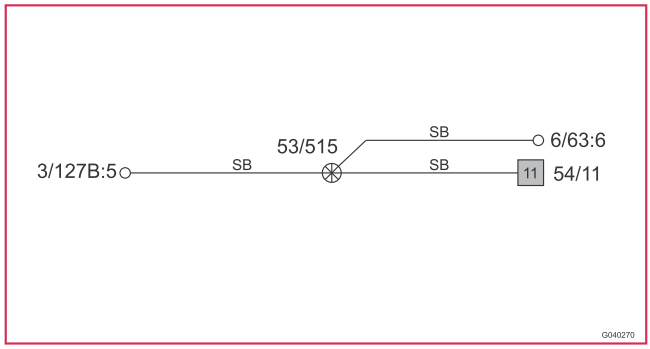
53/505



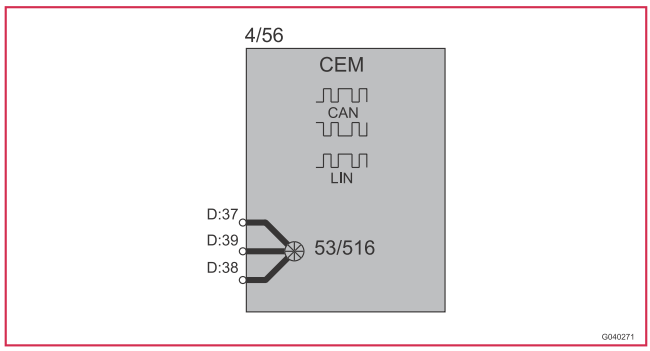
53/514



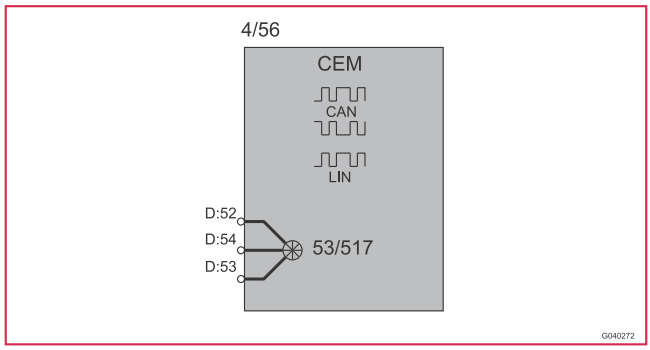
53/515



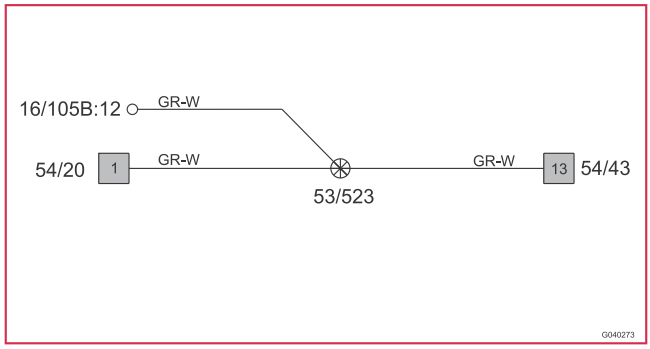
53/516



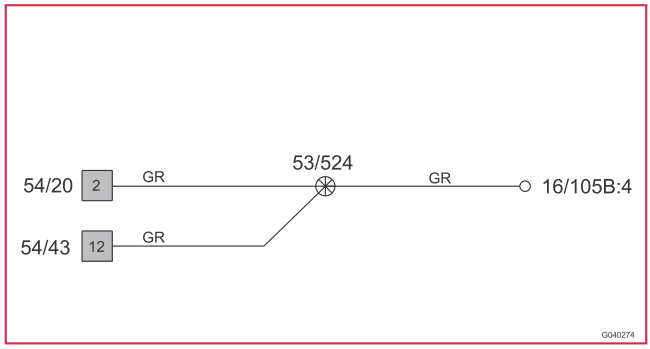
53/517



53/523



53/524



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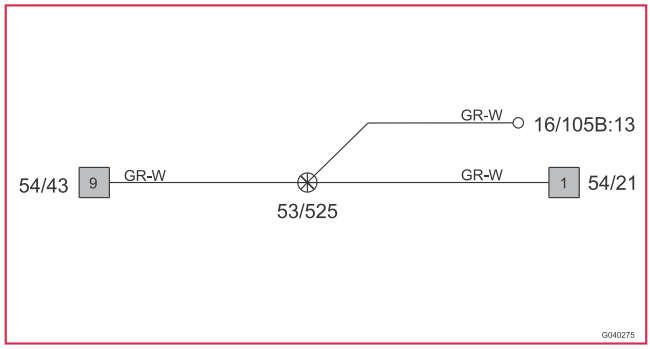
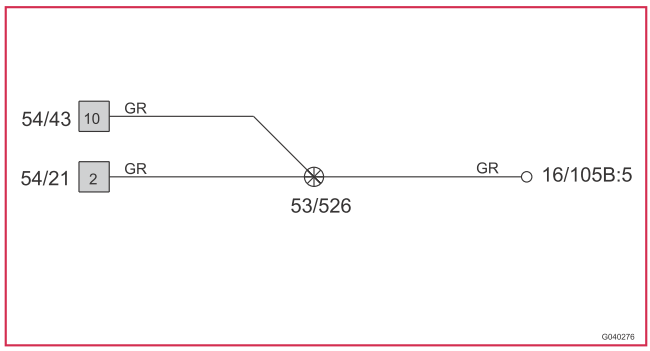
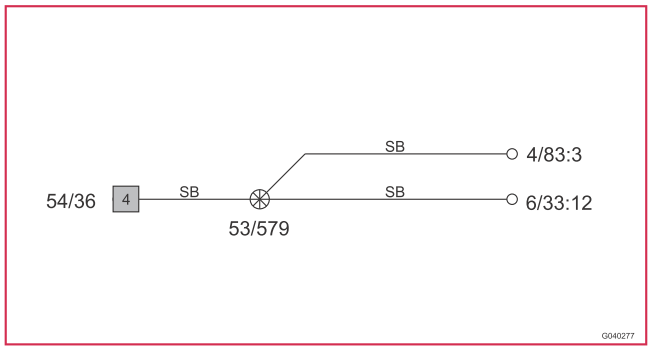


53/526

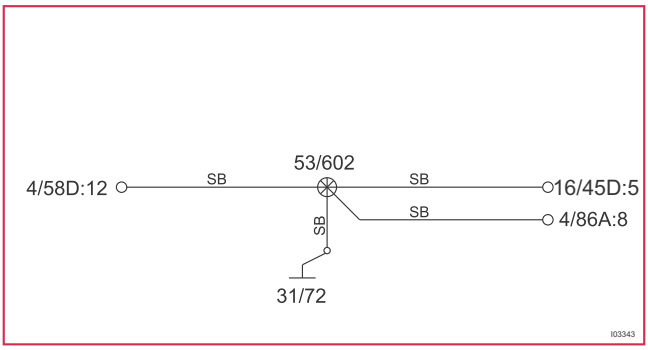


Branching points
53/579 - 53/664

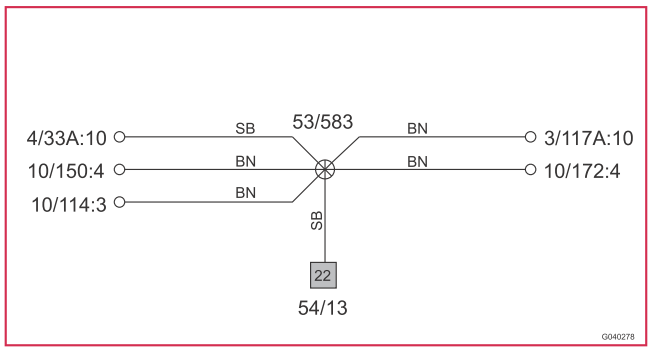
53/579



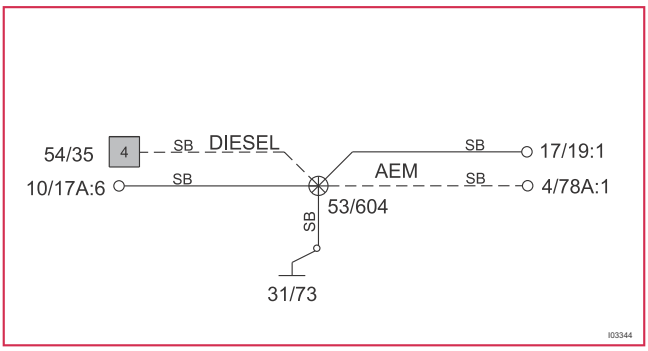
53/602



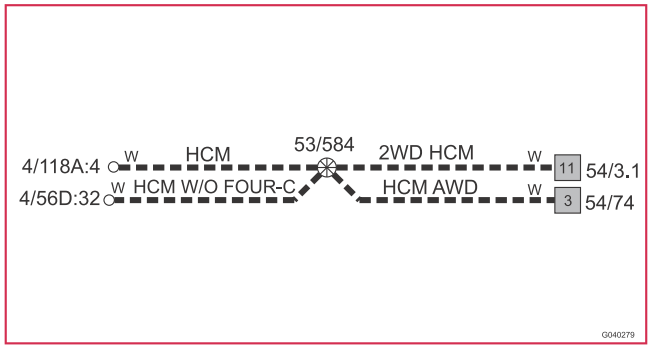
53/583



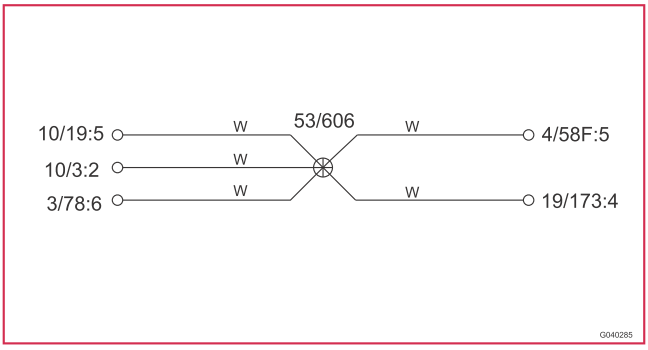
53/604



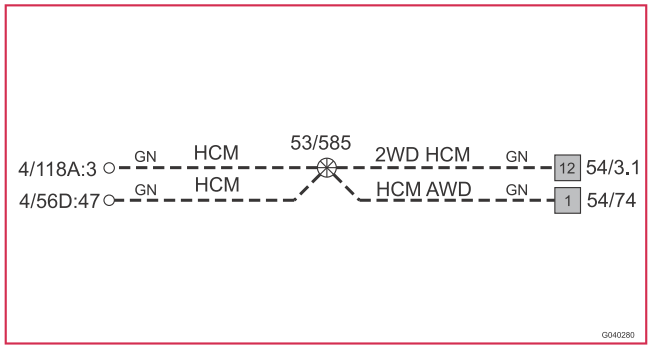
53/584



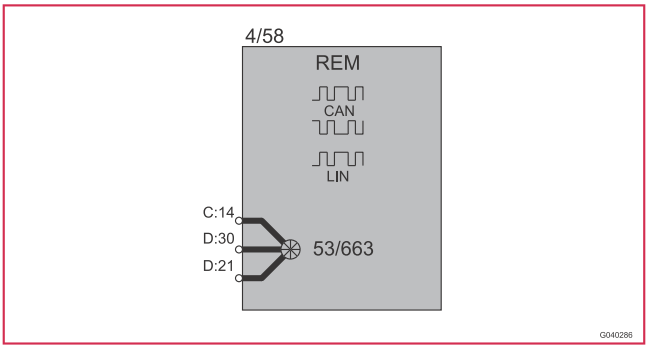
53/606



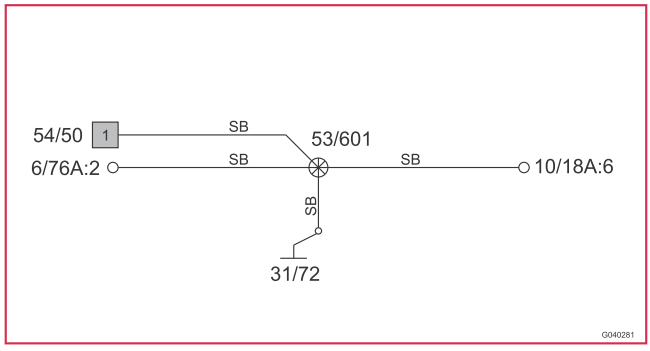
53/585



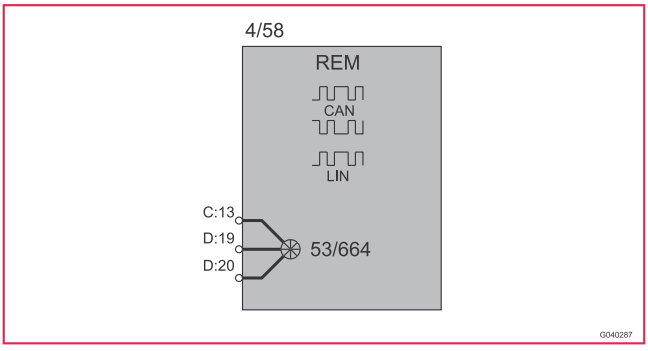
53/663



53/601

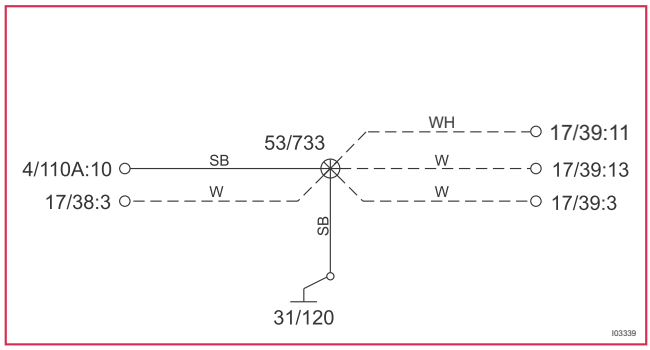


53/664

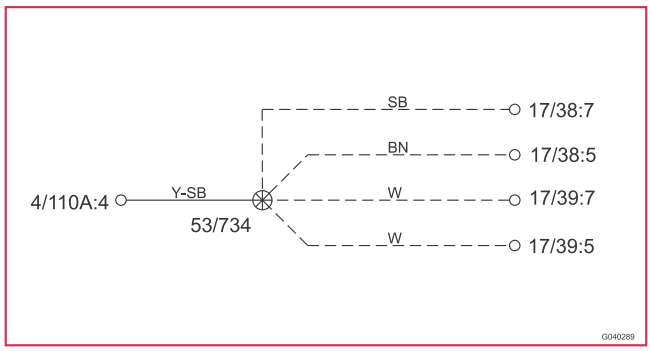


Branching points
53/733 - 53/3009

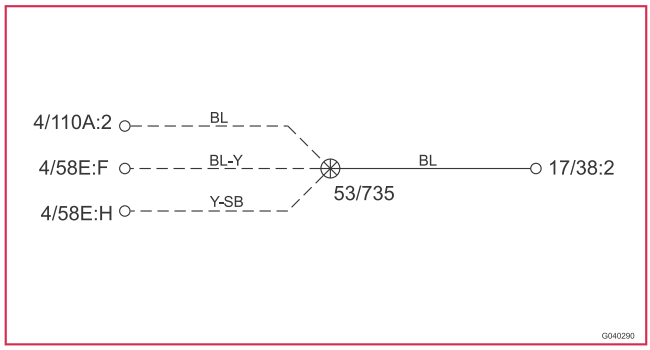
53/733



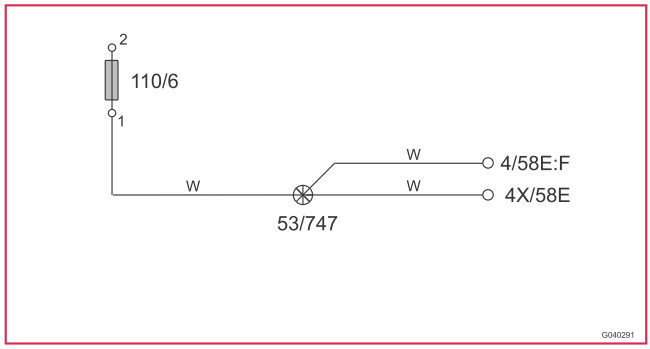
53/734



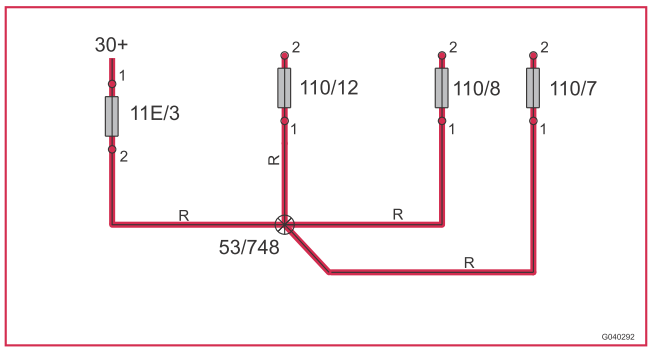
53/735



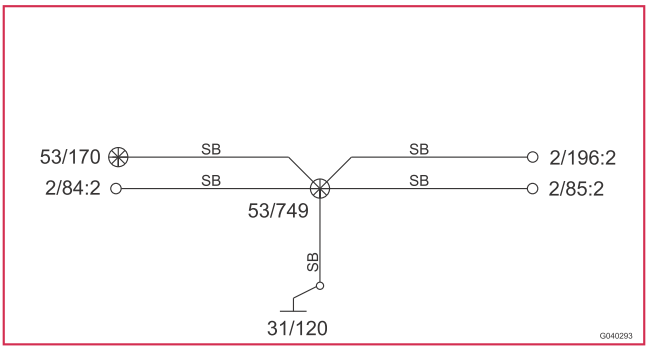
53/747



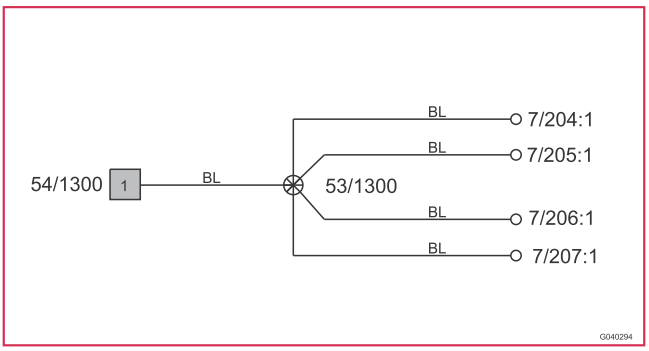
53/748



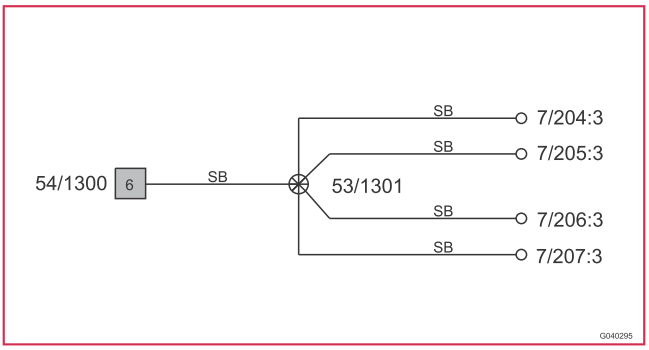
53/749



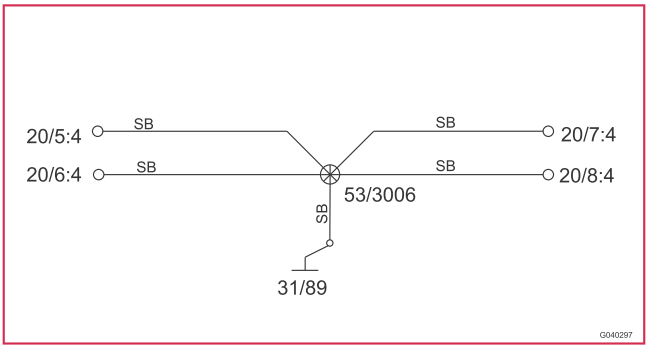
53/1300



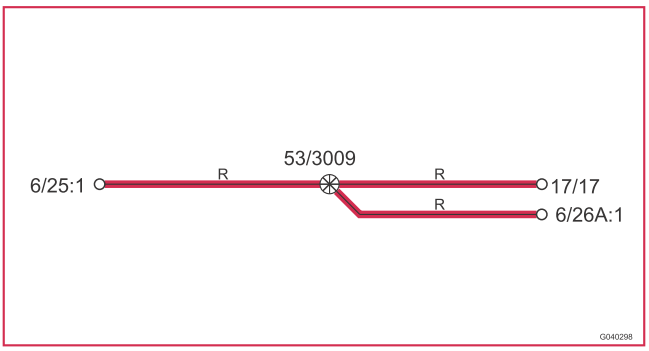
53/1301



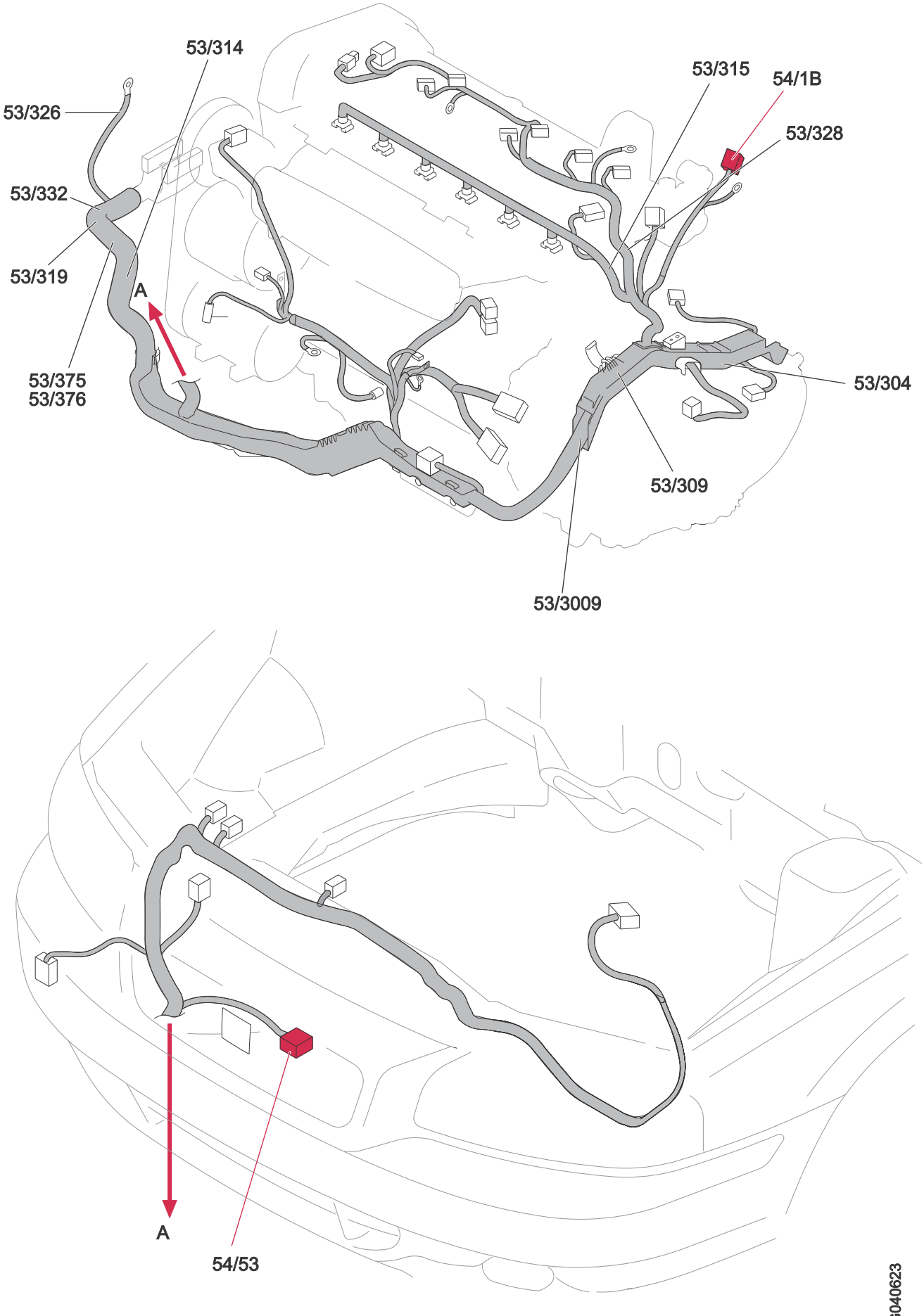
53/3006



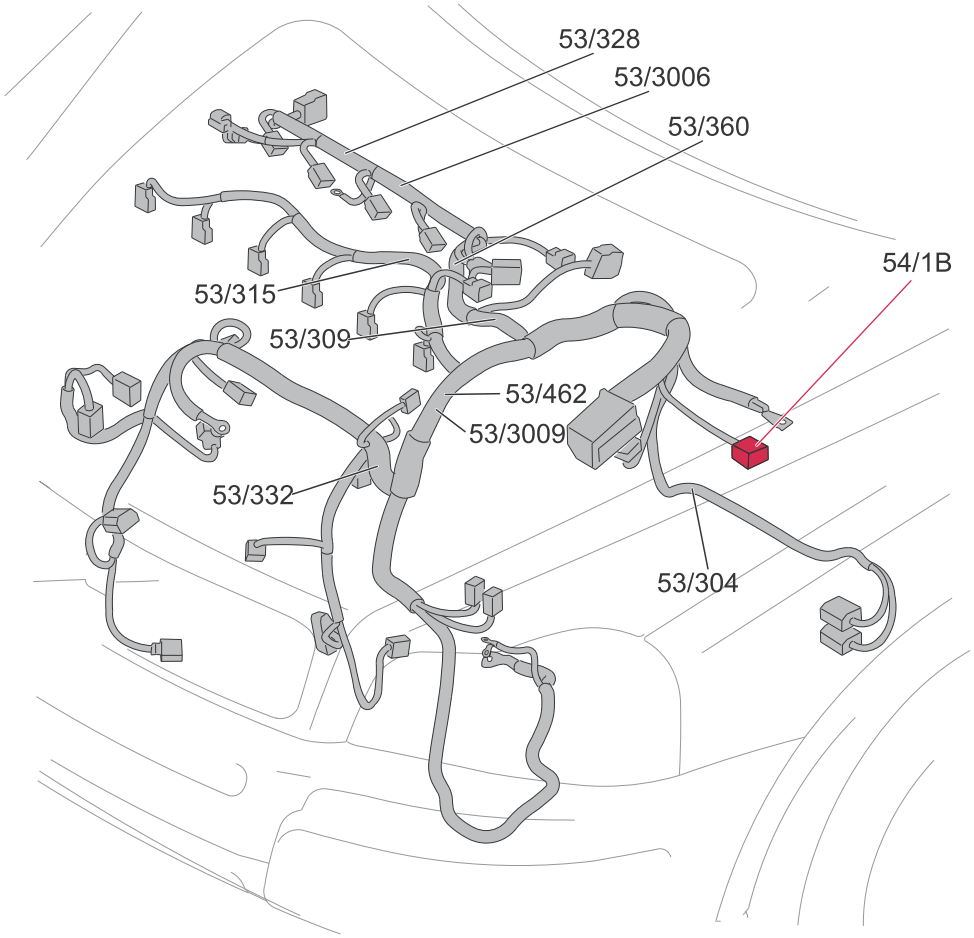
53/3009



Cable harness routine in vehicle
Harness engine, 5-Cyl. Turbo 2.5l



Cable harness routine in vehicle
Engine harness Gasoline 6-Cyl.

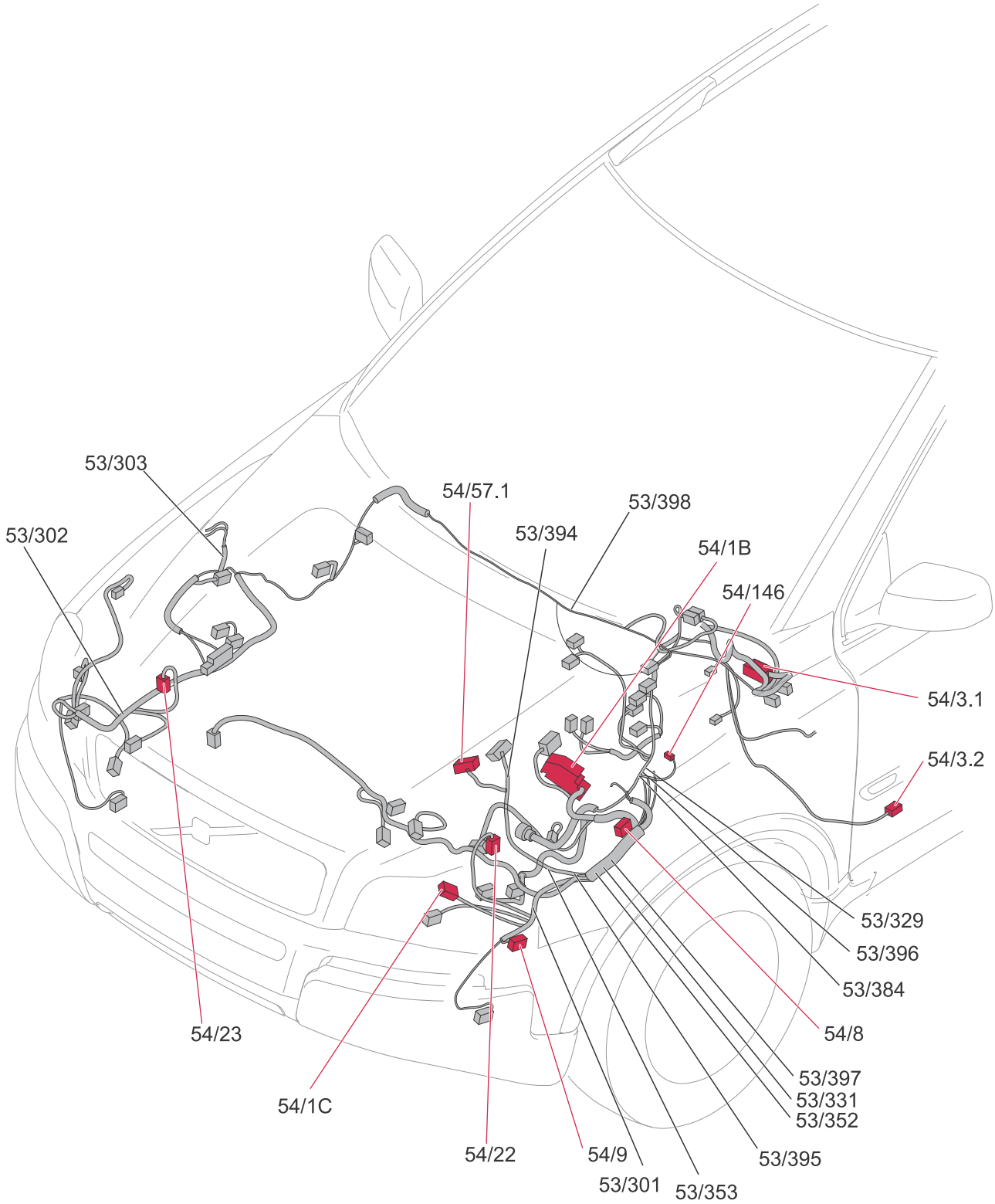


G040624

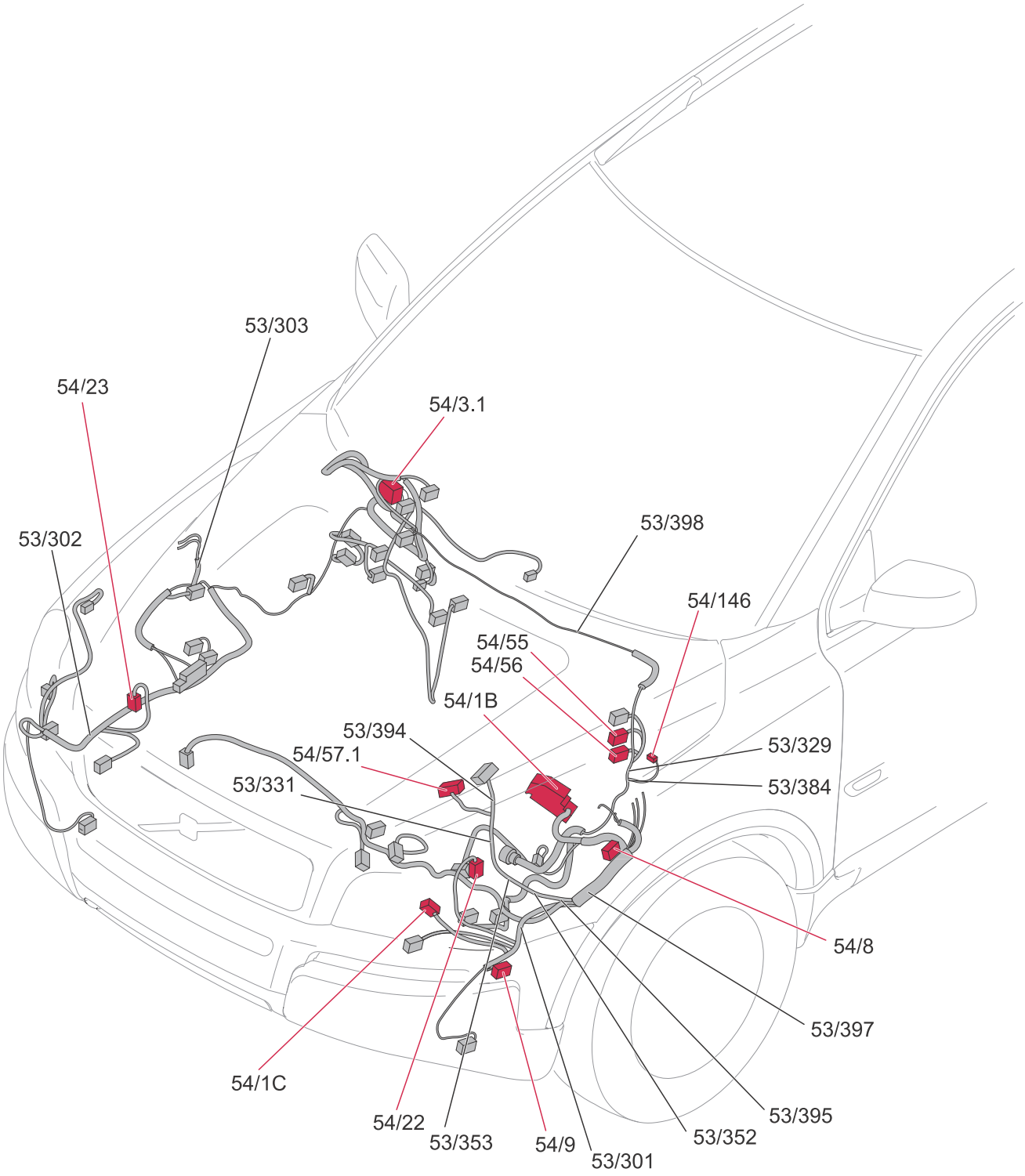
Cable harness routine in vehicle
Engine harness 5-Cyl. Diesel

G040626

Cable harness routine in vehicle
Engine compartment harness LHD

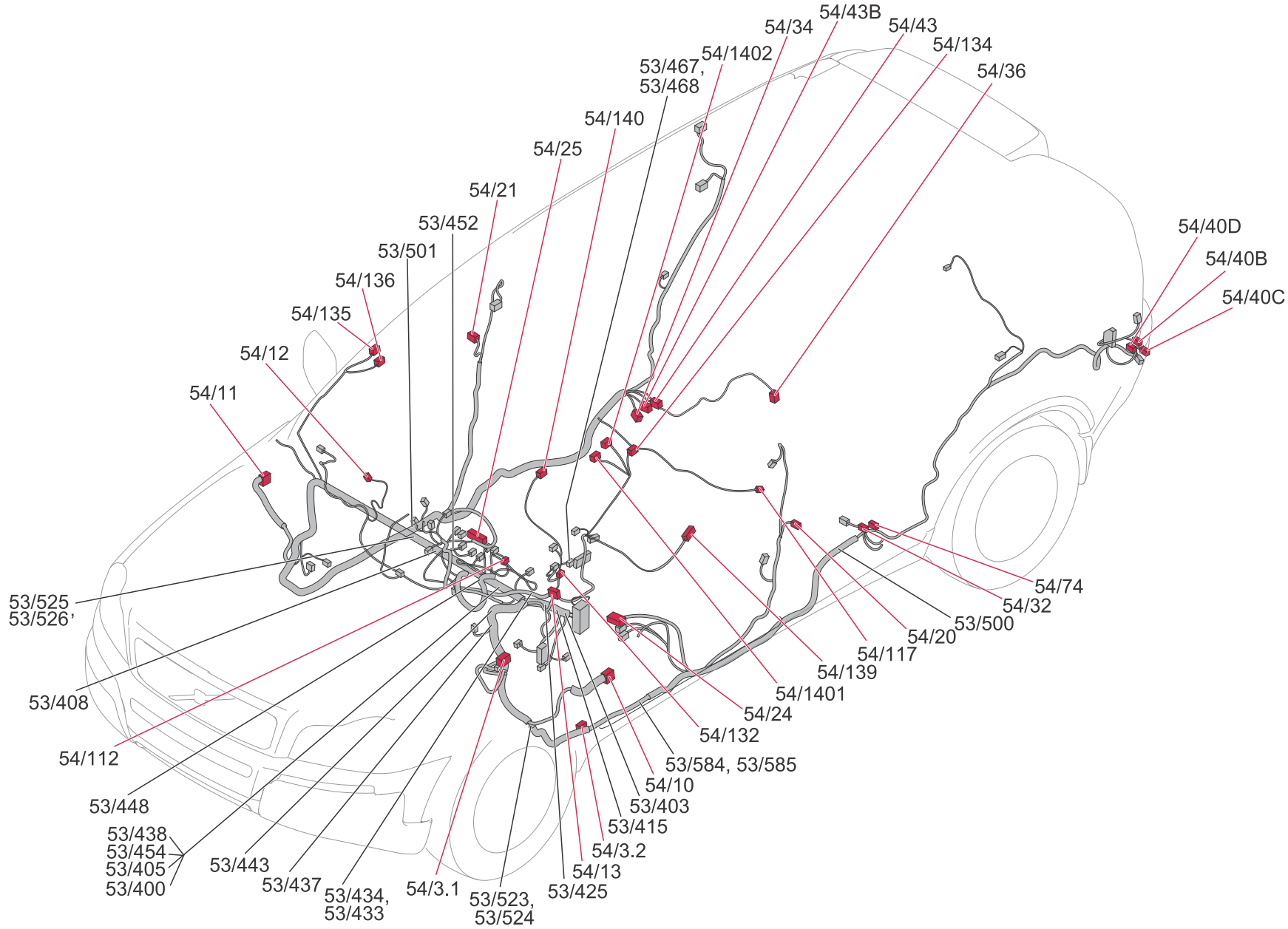


Cable harness routine in vehicle
Engine compartment harness RHD



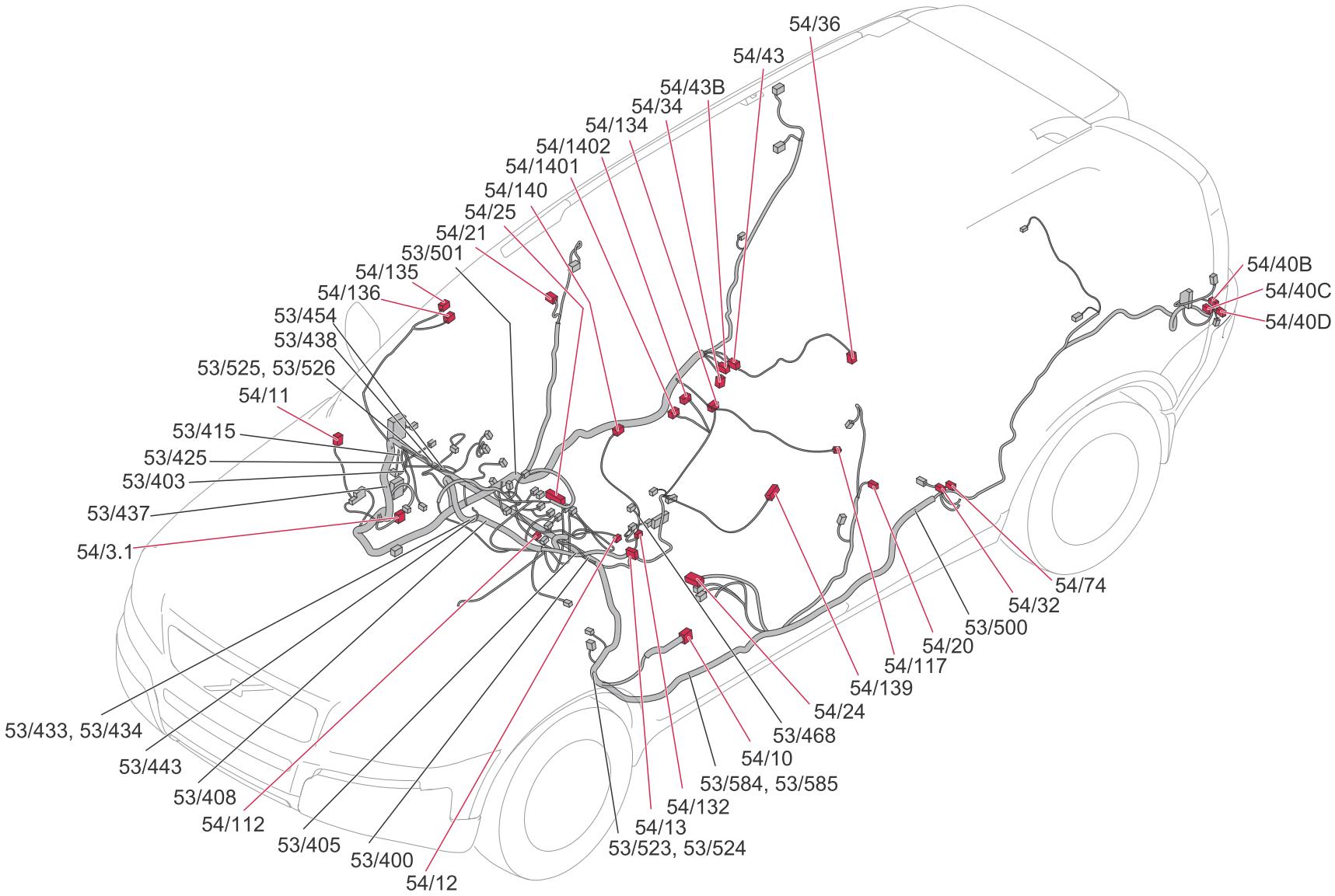
G040628

Cable harness routine in vehicle
Harness passenger compartment LHD



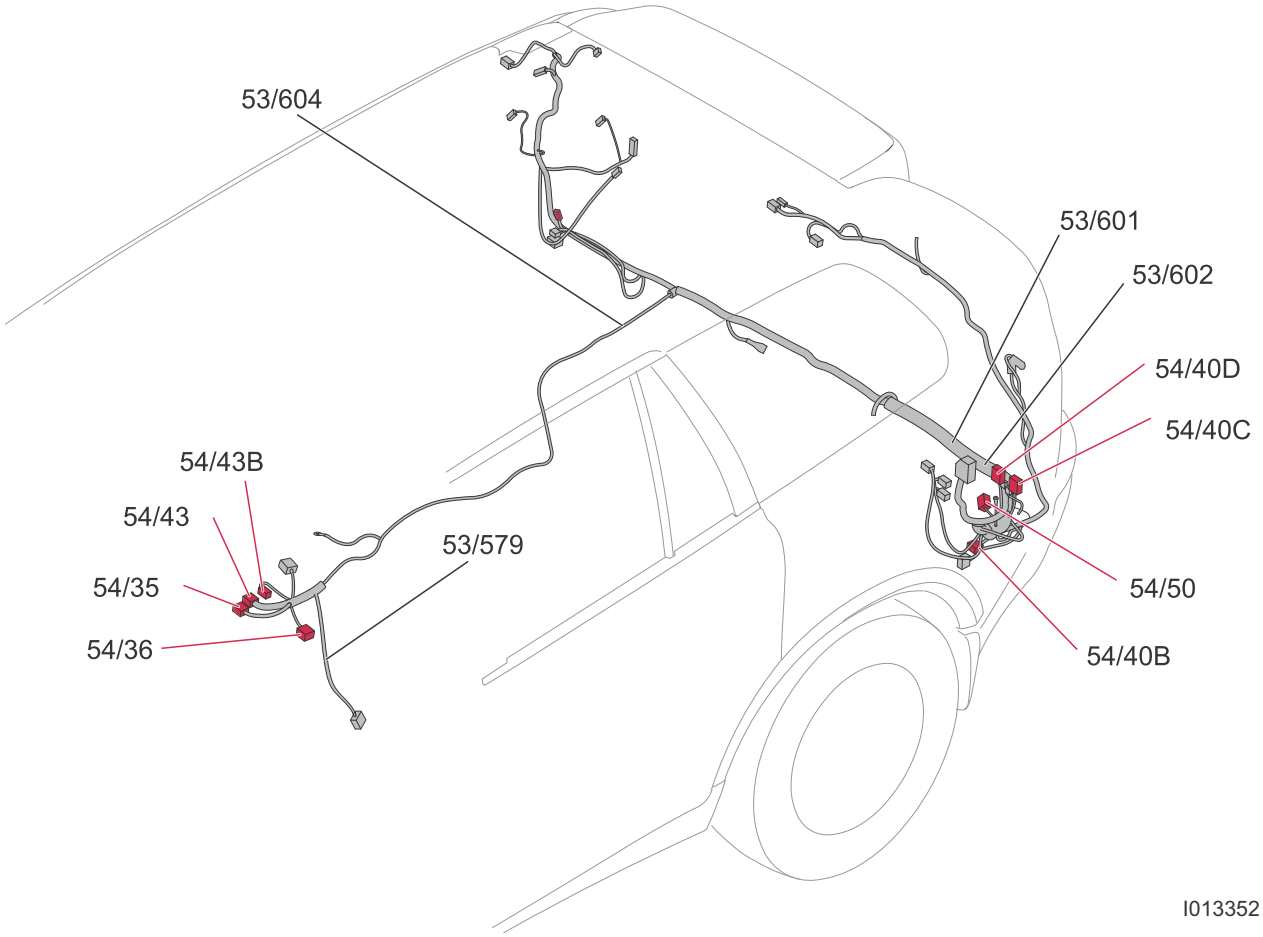
G040629

Cable harness routine in vehicle
Harness passenger compartment RHD

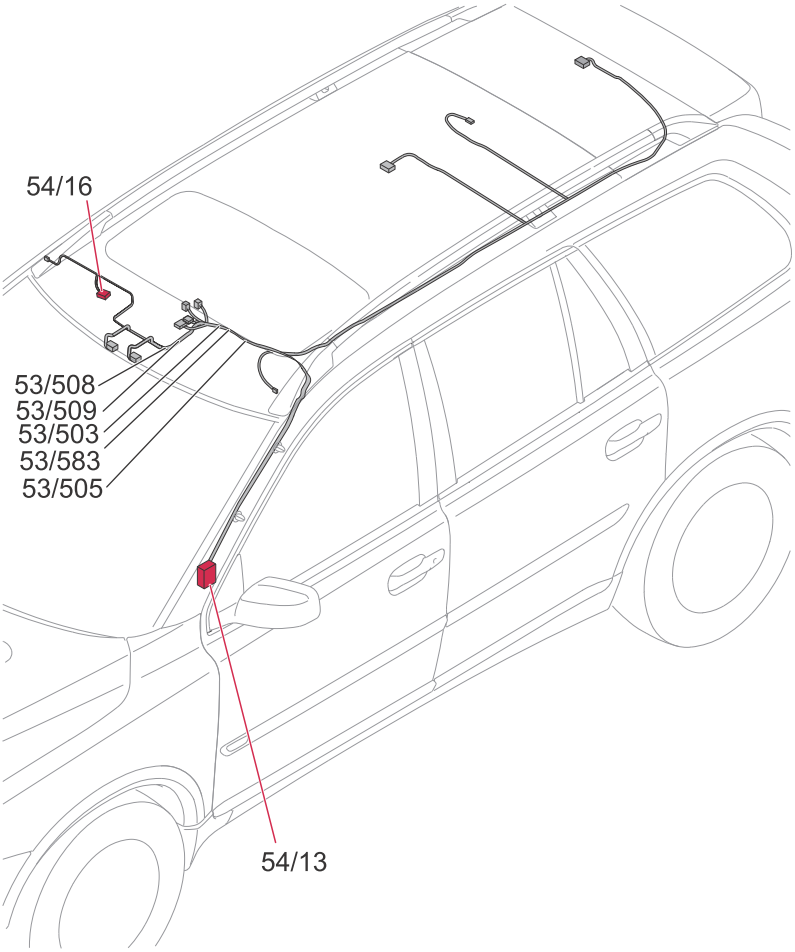


G040630

Cable harness routine in vehicle
Cargo compartment harness

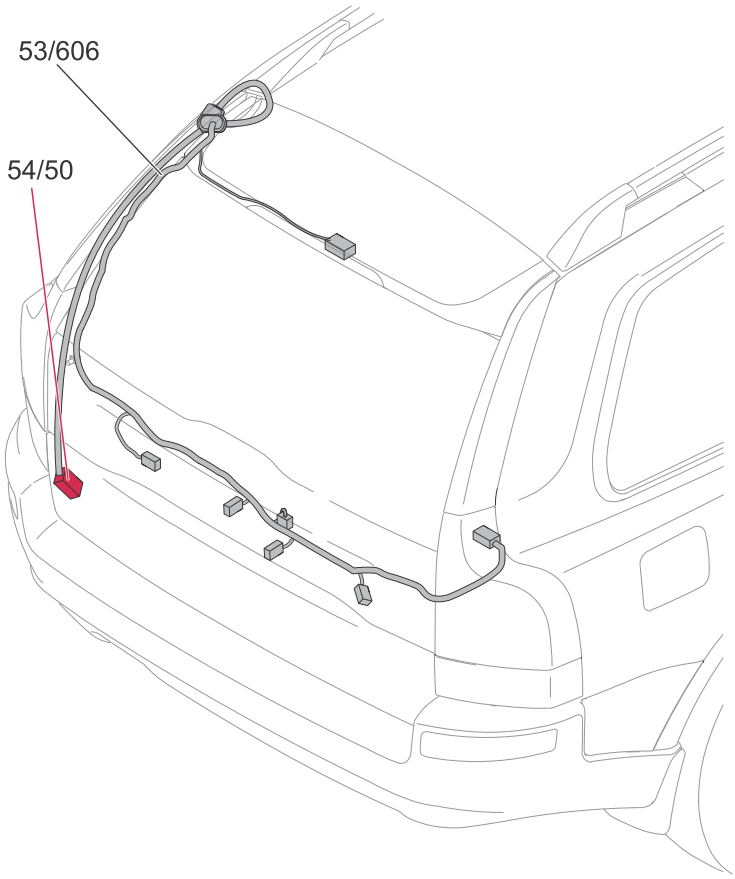


Cable harness routine in vehicle
Roof harness



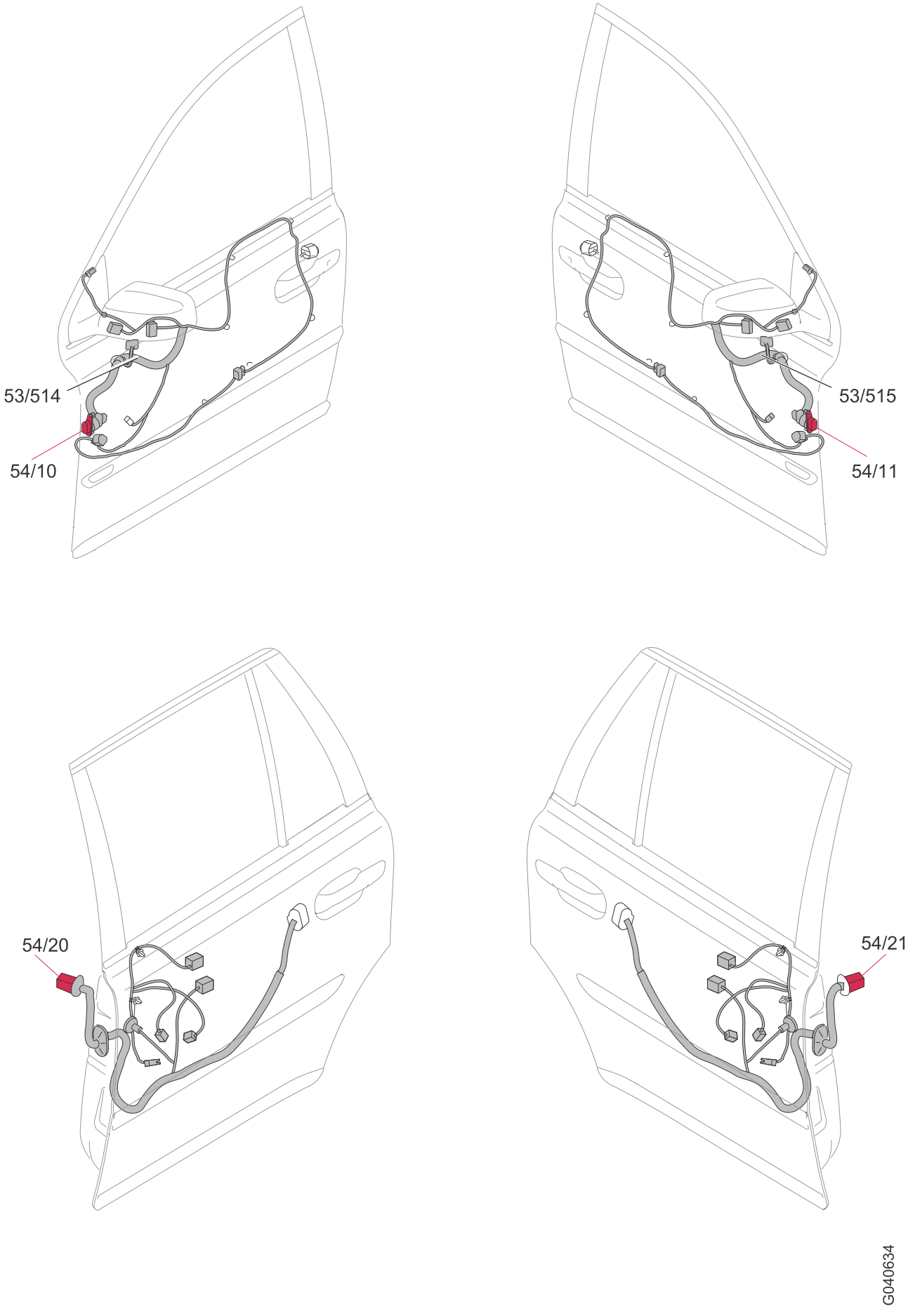
G040632

Cable harness routine in vehicle
Tailgate harness

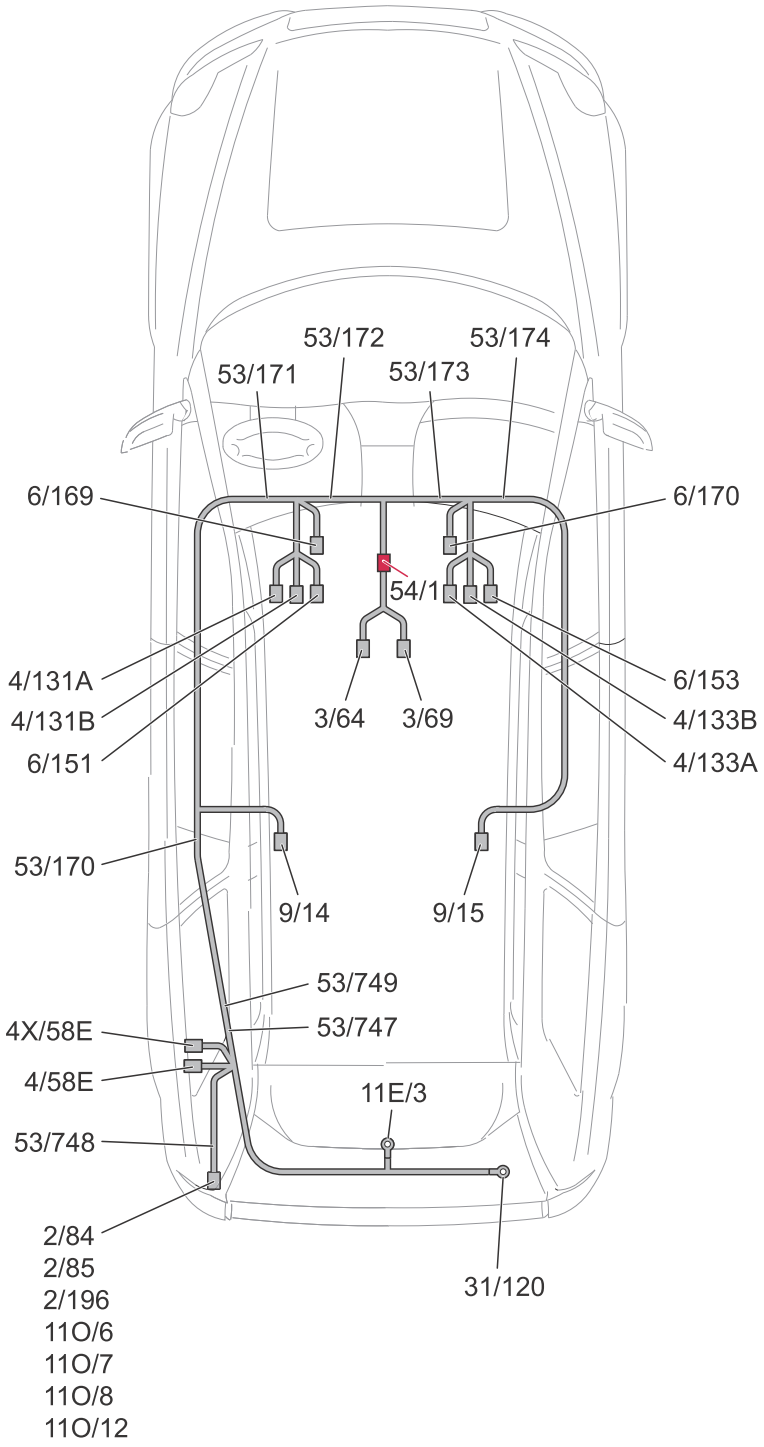


G040633

Cable harness routine in vehicle
Harness doors



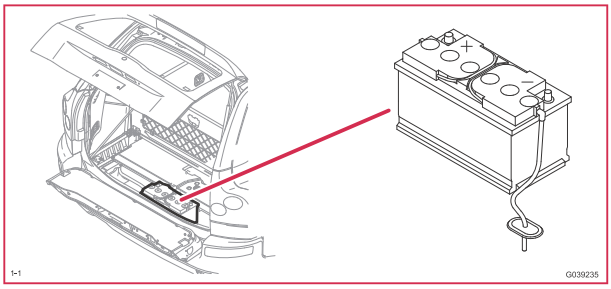
Cable harness routine in vehicle
Executive harnesses



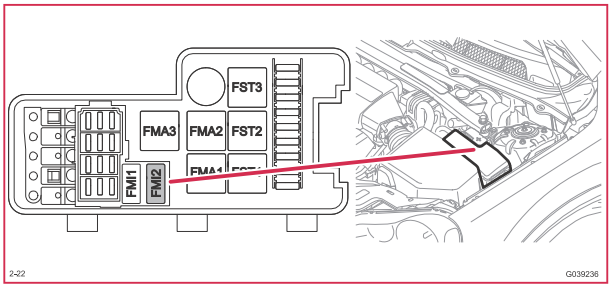
G040635

Component illustrations
1/1 - 2/133

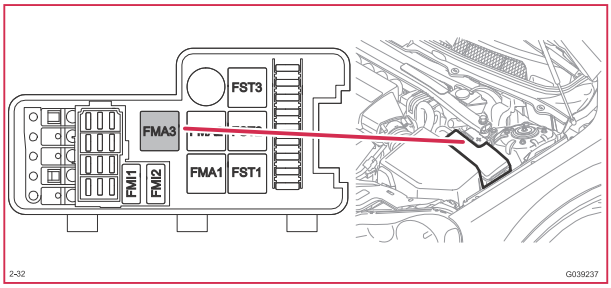
1/1 Battery



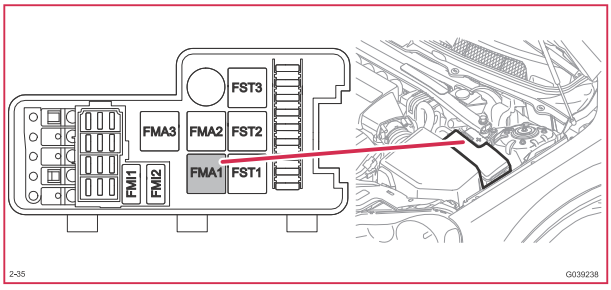
2/22 Relay, climate control system



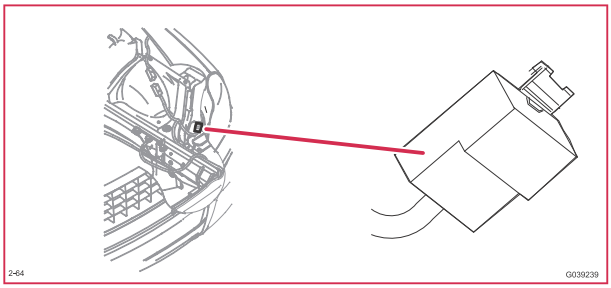
2/32 Main relay, engine management system



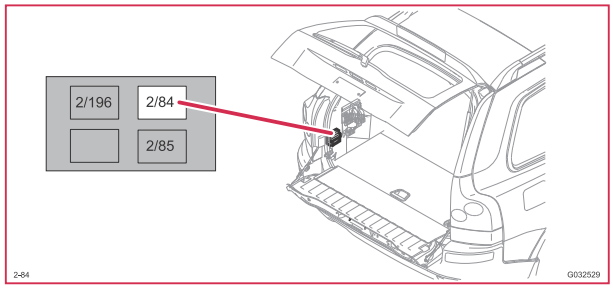
2/35 Relay, starter motor



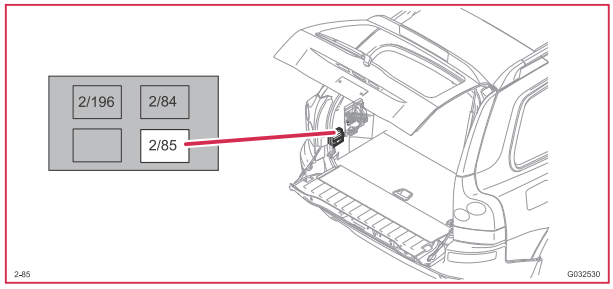
2/64 Relay auxiliary lights



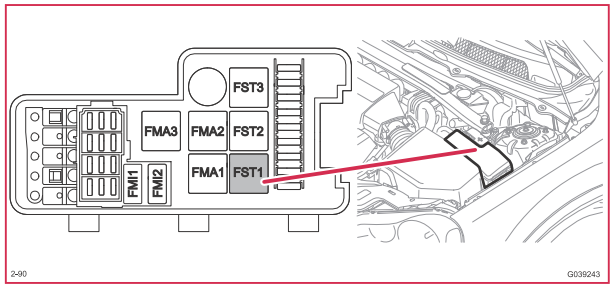
2/84 Relay, seat heater rear left



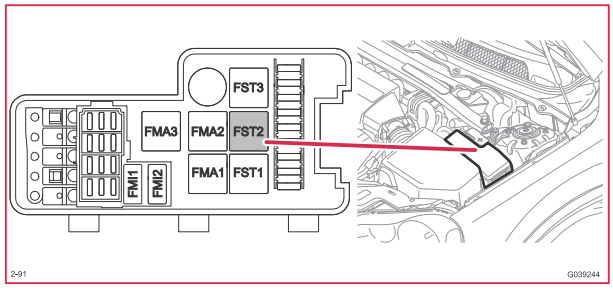
2/85 Relay, seat heater rear right



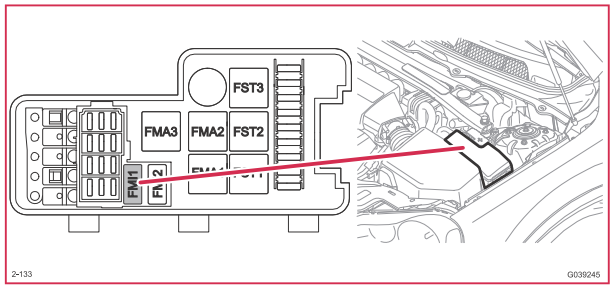
2/90 Relay, windshield wiper, low/high speed



2/91 Relay, intermittent wiping

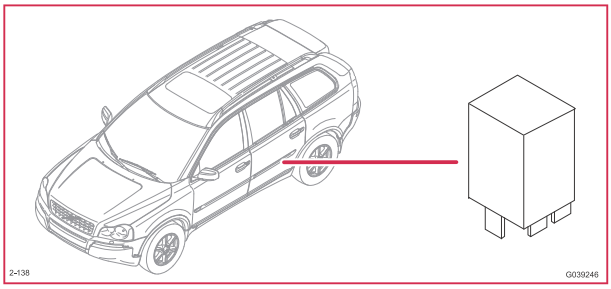


2/133 Relay vacuum pump

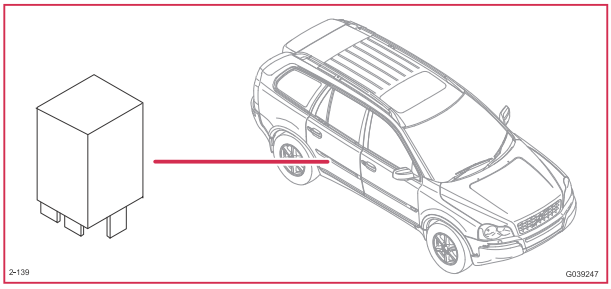


Component illustrations
2/138 - 3/4

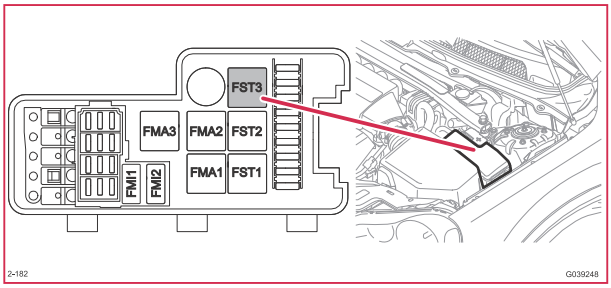
2/138 Deadlock relay, left-hand rear door



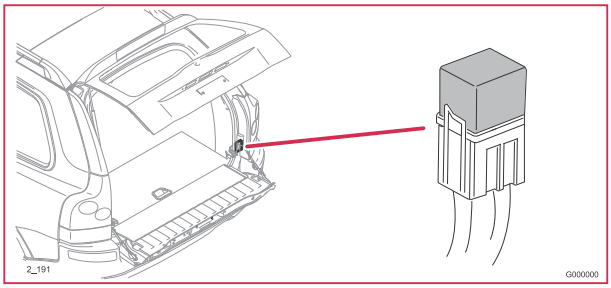
2/139 Deadlock relay, right-hand rear door



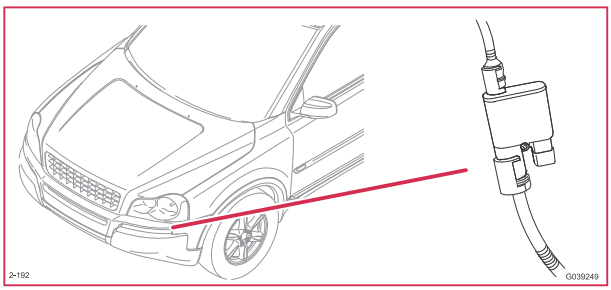
2/182 Relay, high pressure headlight washer motor



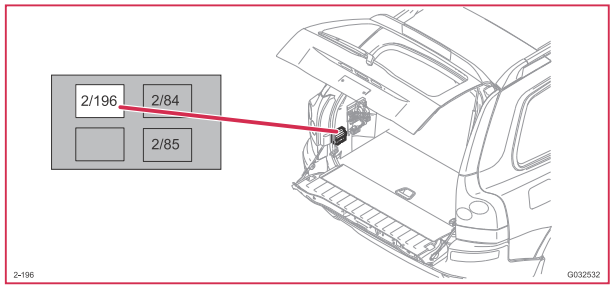
2/191 Relay parking heater remote start radio signal



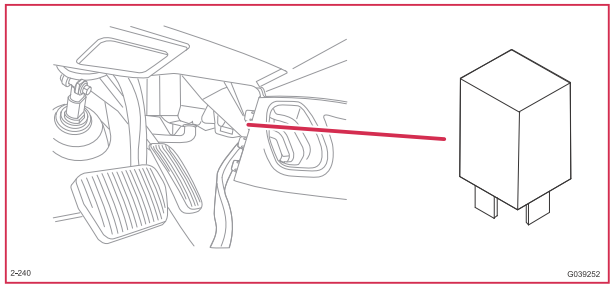
2/192 Relay, electric engine heater



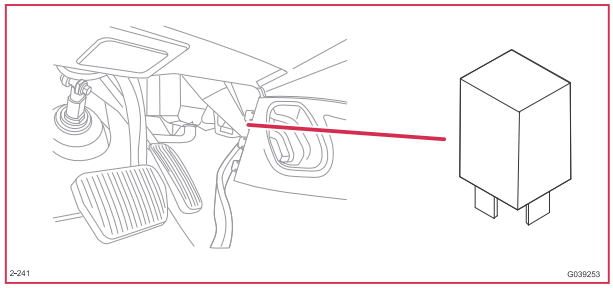
2/196 Relay comfort system seats



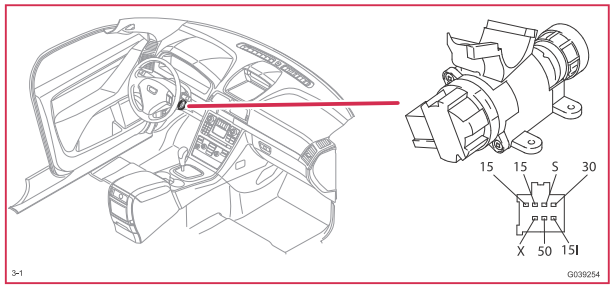
2/240 Alcohol lock relay, wake-up



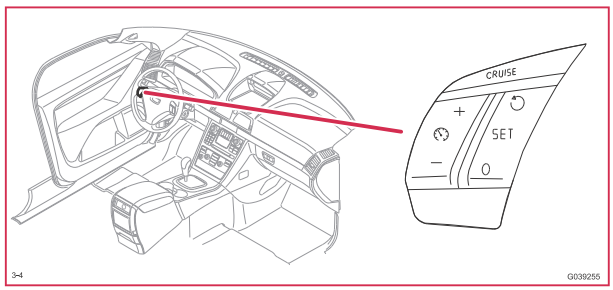
2/241 Alcohol lock relay, interior lighting



3/1 Ignition switch

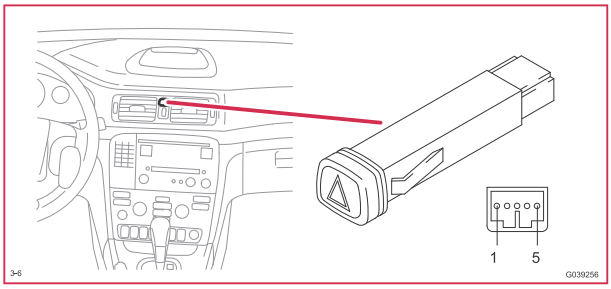


3/4 Steering wheel switch left (SWSL)

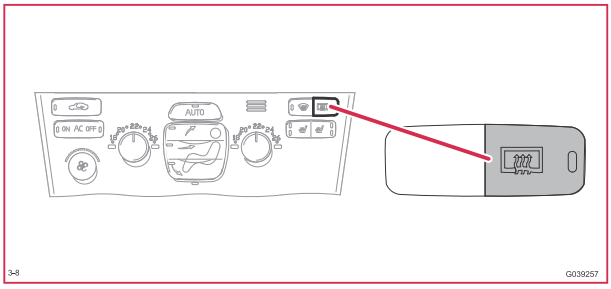


Component illustrations
3/6 - 3/59

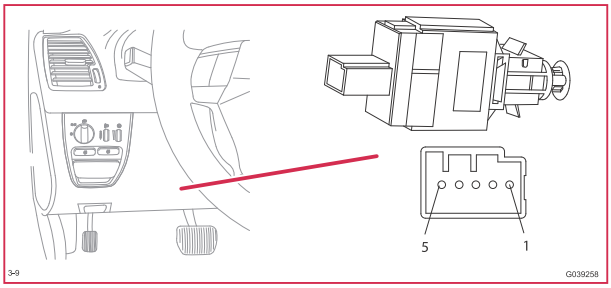
3/6 Switch, hazard warning flashers



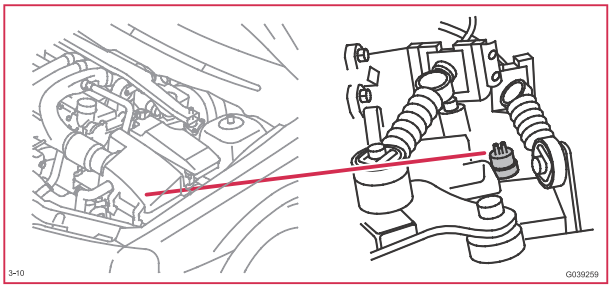
3/8 Switch, heated rear window/ exterior rearview mirrors



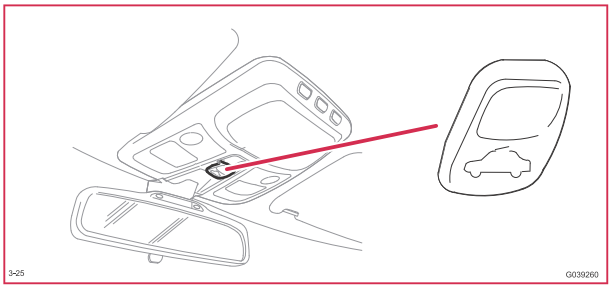
3/9 Contact brake light



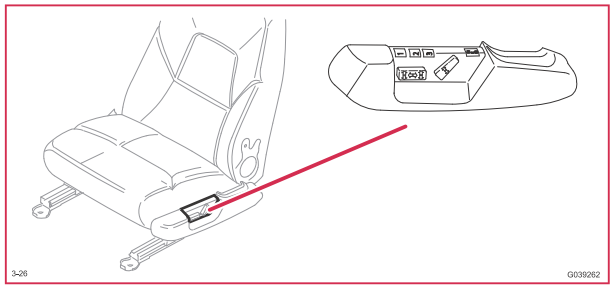
3/10 Reversing light contact



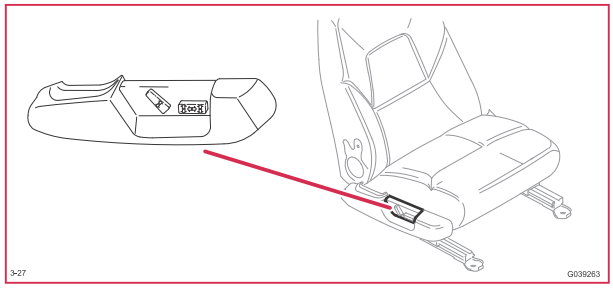
3/25 Switch, power sunroof



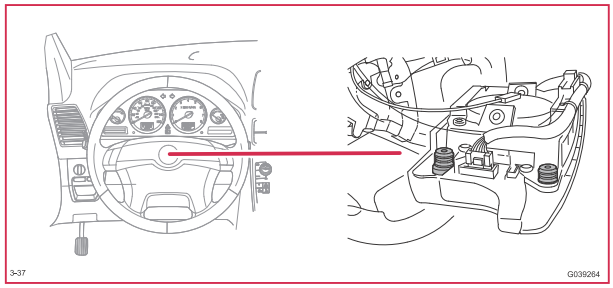
3/26 Switch unit, power driver's seat



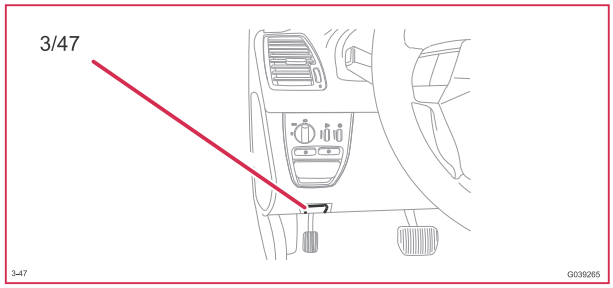
3/27 Switch unit, power passenger seat



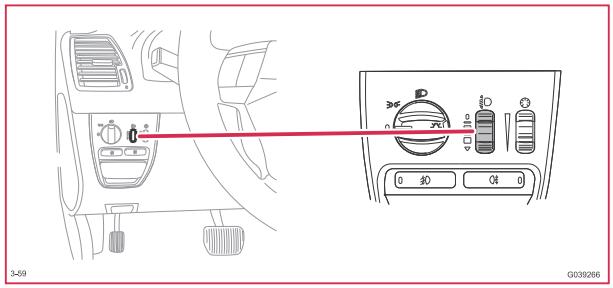
3/37 Contact horn



3/47 Parking brake contact

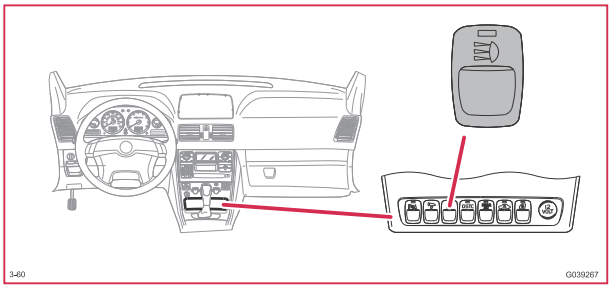


3/59 Headlight adjustment control

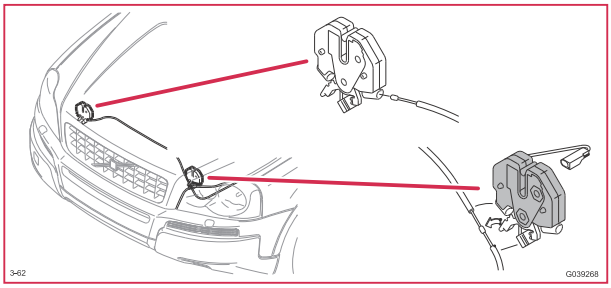


Component illustrations
3/60 - 3/77

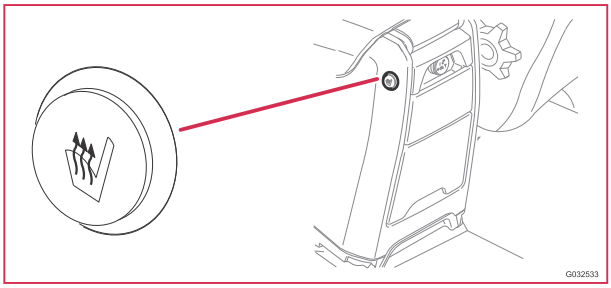
3/60 Switch, auxiliary lights



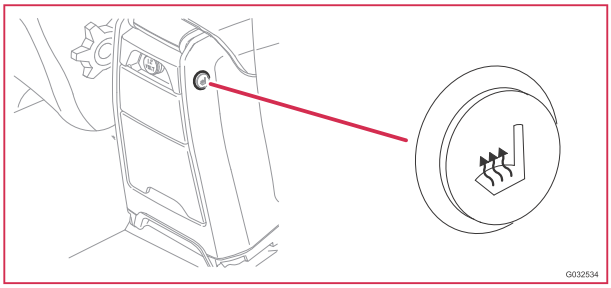
3/62 Hood alarm contact



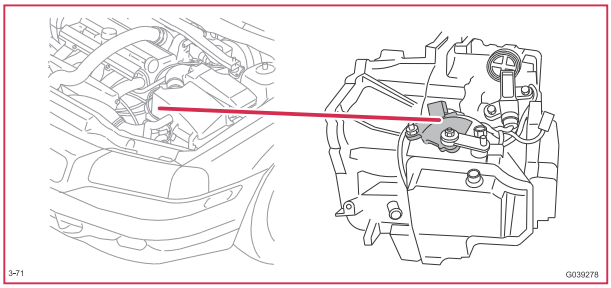
3/64 Switch, heated rear seat, left



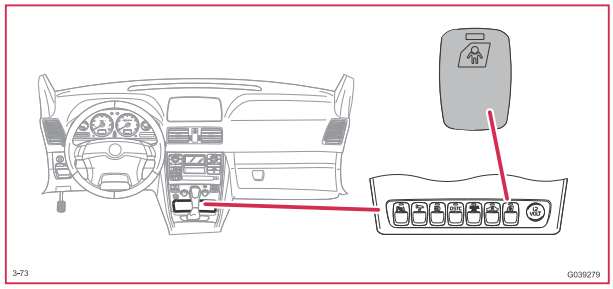
3/69 Switch, heated rear seat, right



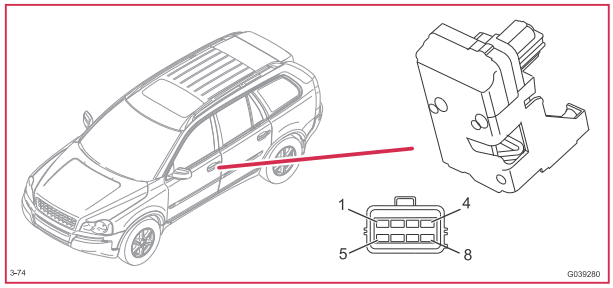
3/71 Gear selector contacts AW51



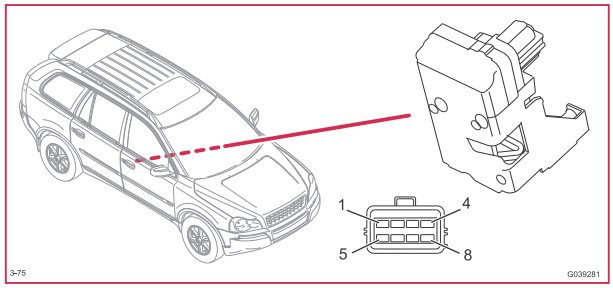
3/73 Switch child safety lock PCL



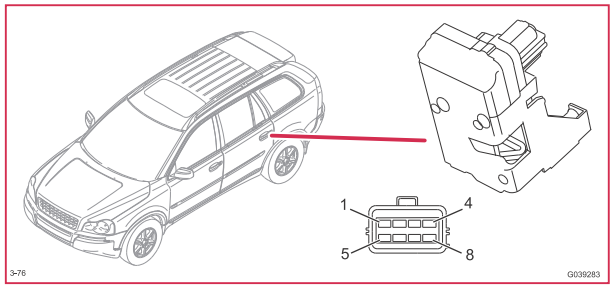
3/74 Left-hand front door lock unit



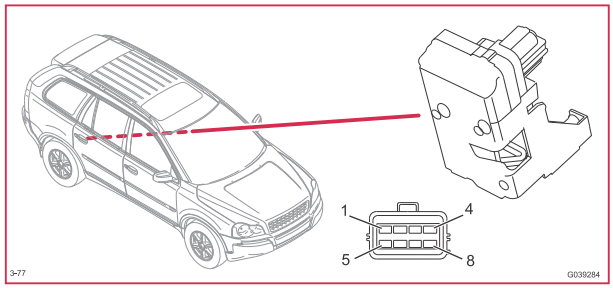
3/75 Right-hand front door lock unit



3/76 Lock unit, rear left door

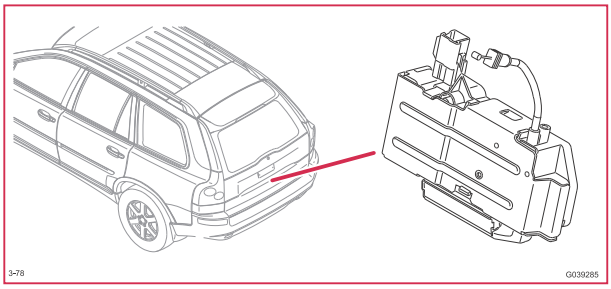


3/77 Lock unit, rear right door

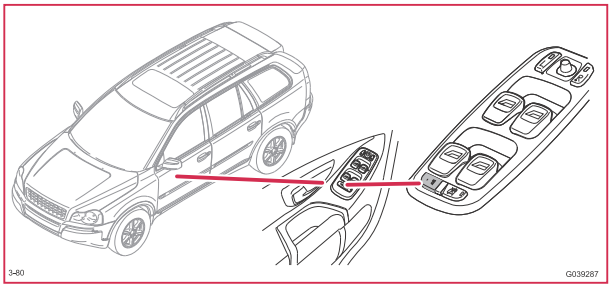


Component illustrations
3/78 - 3/95

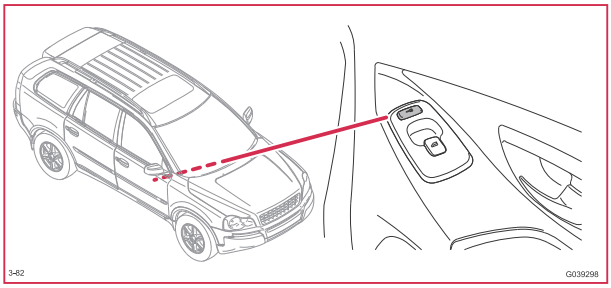
3/78 Lock unit, trunk lid/tailgate



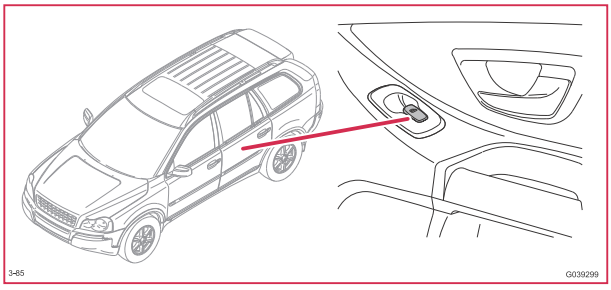
3/80 Switch, central locking, left



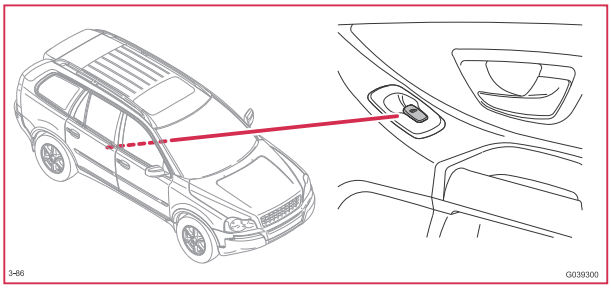
3/82 Switch, central locking, right



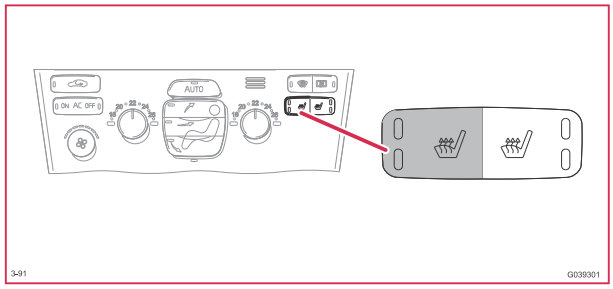
3/85 Power window switch, rear left door



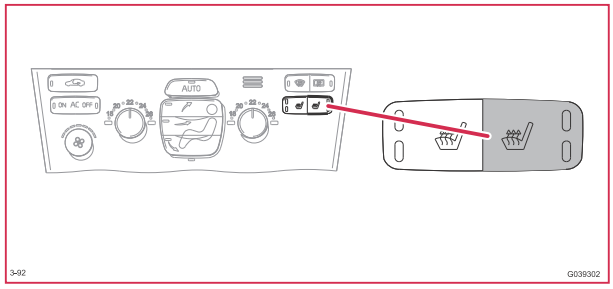
3/86 Power window switch, right rear door



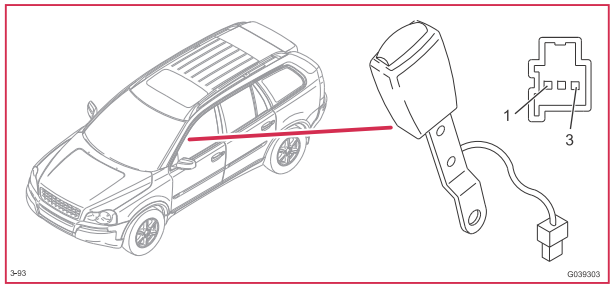
3/91 Switch, left-hand heated seat



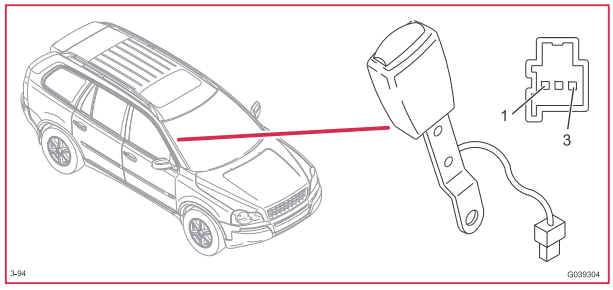
3/92 Switch, right-hand heated seat



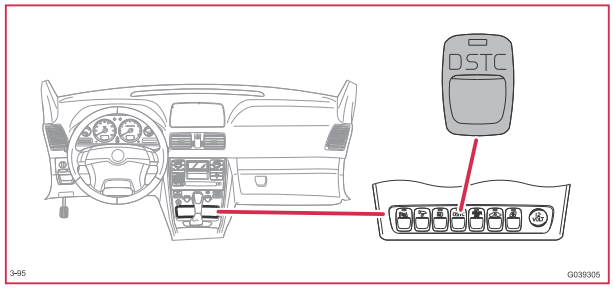
3/93 Belt buckle contact, left seat



3/94 Belt buckle contact, right seat



3/95 Spin control switch



Component illustrations
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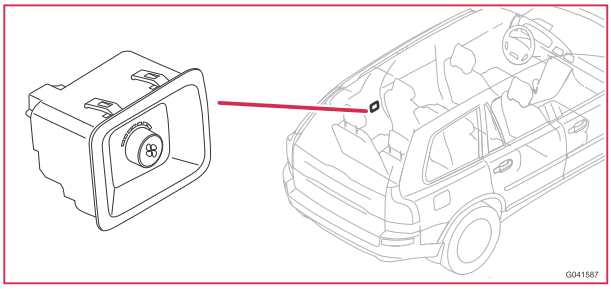
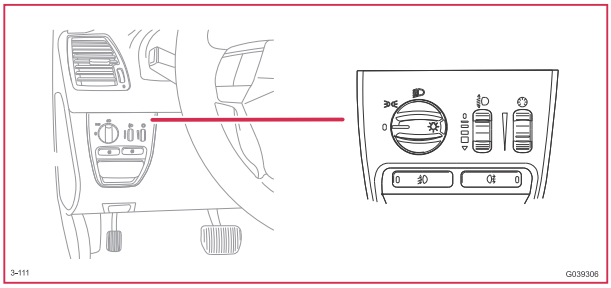
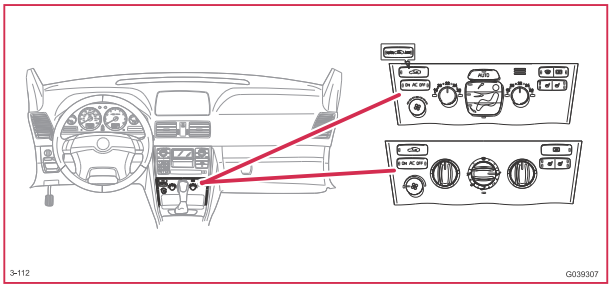
3/106 Switch fan speed



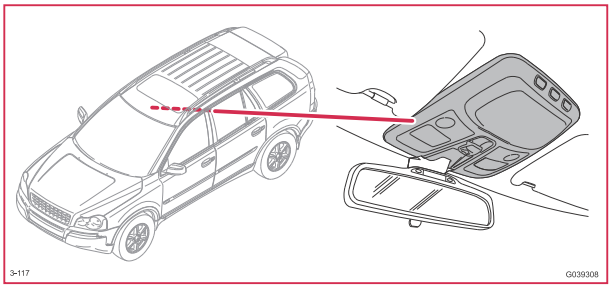
3/111 Light Switch Module (LSM)



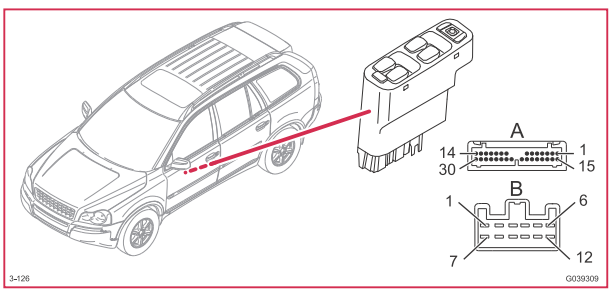
3/112 Climate control module (CCM)



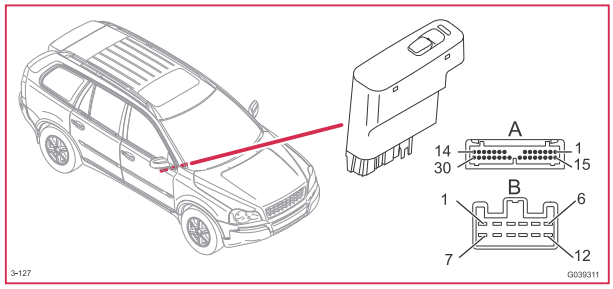
3/117 Switch unit, ceiling light



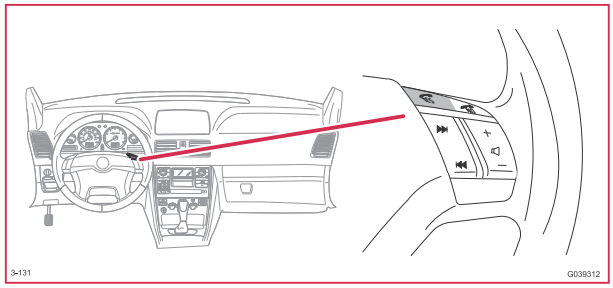
3/126 Driver/Passenger Door Module (DDM)/(PDM)



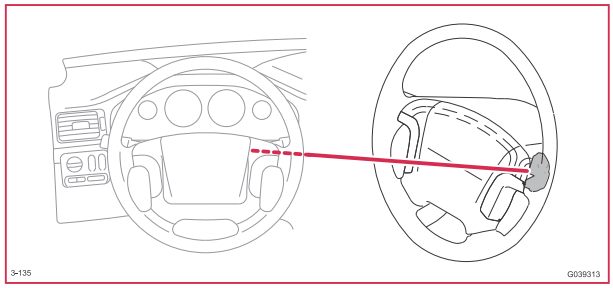
3/127 Passenger/Driver Door Module (PDM)/(DDM)



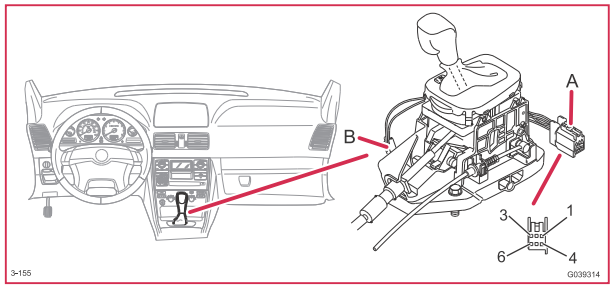
3/131 Steering wheel switch right (SWSR)



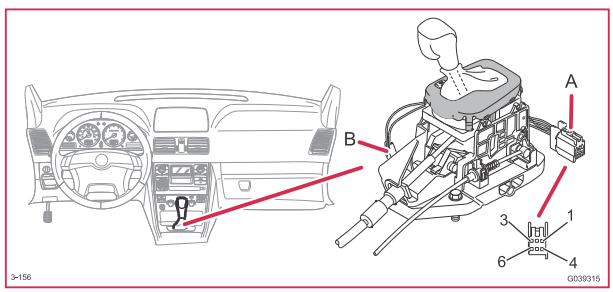
3/135 RTI switch



3/155 Program selector, automatic transmission

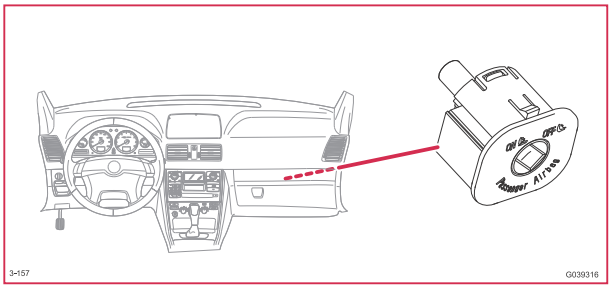


3/156 Gear Selector Module (GSM)

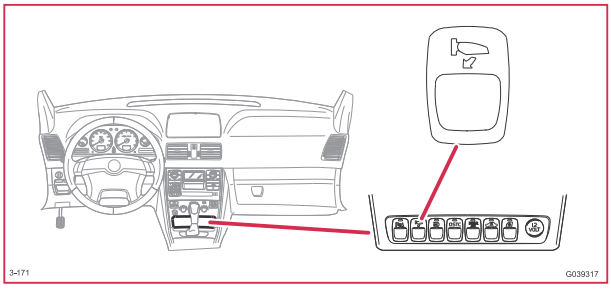


Component illustrations
3/157 - 3/320

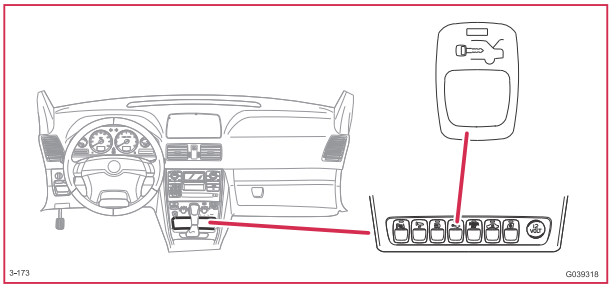
3/157 Switch, passenger side airbag



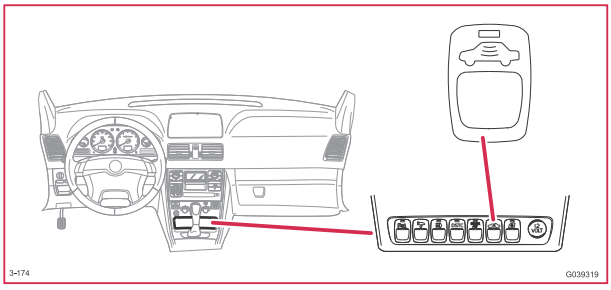
3/171 Switch, retractable exterior rearview mirrors



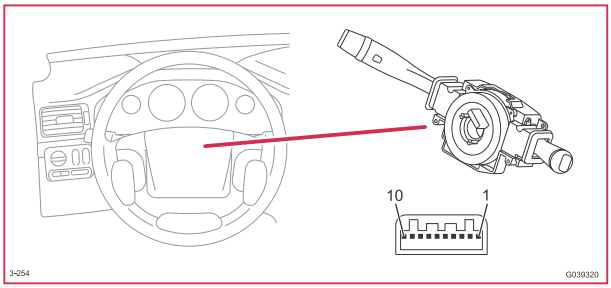
3/173 Switch, tailgate private lock



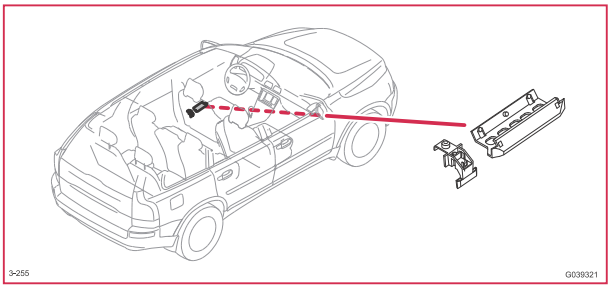
3/174 Switch, reduced alarm



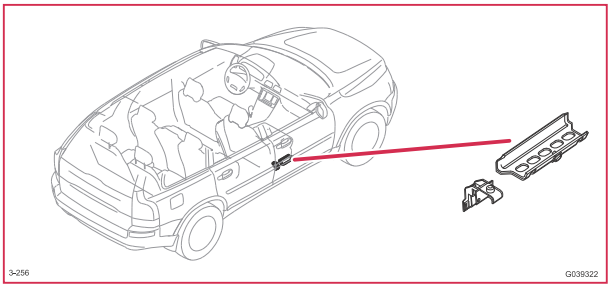
3/254 Steering Wheel Module (SWM)



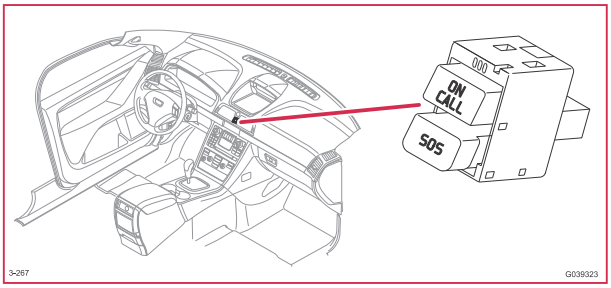
3/255 Position sensor, driver's seat



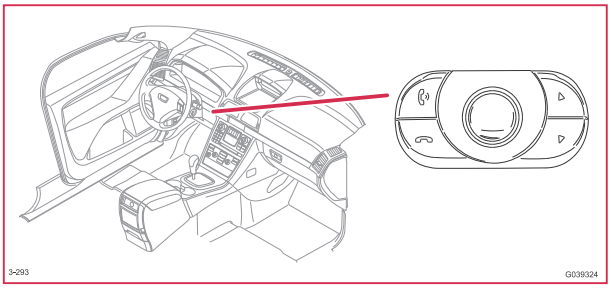
3/256 Position sensor, passenger seat



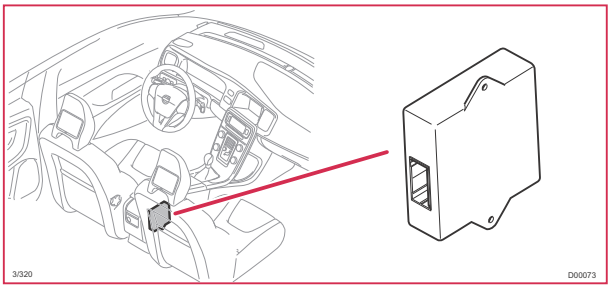
3/267 Switch unit, telematics



3/293 Handsfree control panel cellular phone

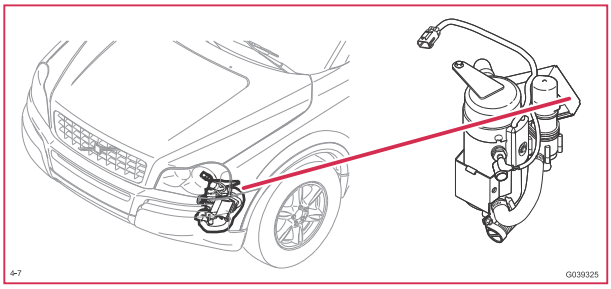


3/320 Switch box

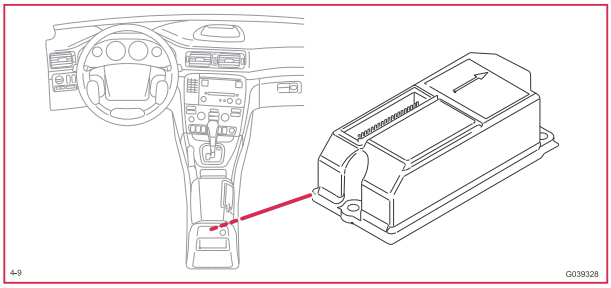


Component illustrations
4/7 - 4/46

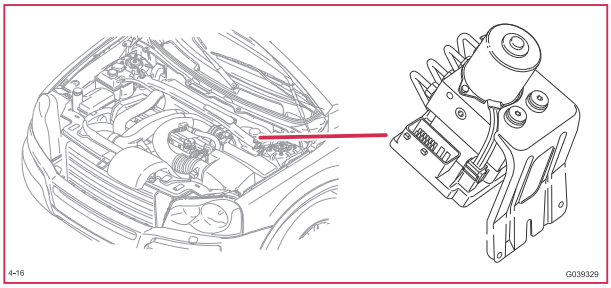
4/7 Combustion Preheater Module (CPM)



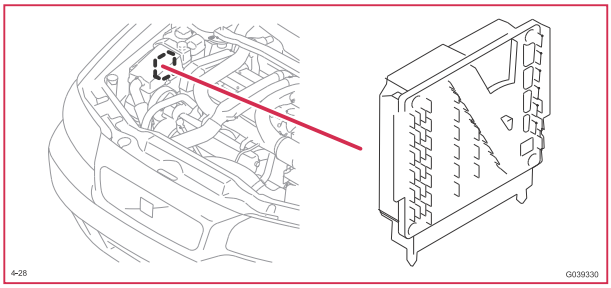
4/9 Supplemental Restraint System Module (SRS)



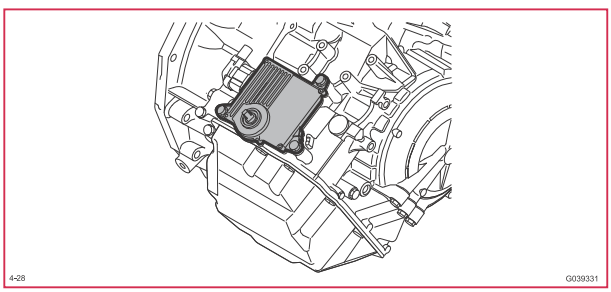
4/16 Brake control module (BCM)



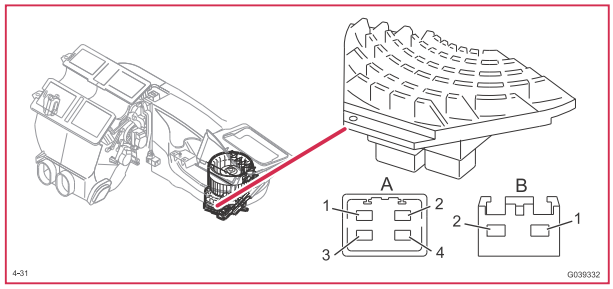
4/28 Transmission Control Module (TCM) AW51



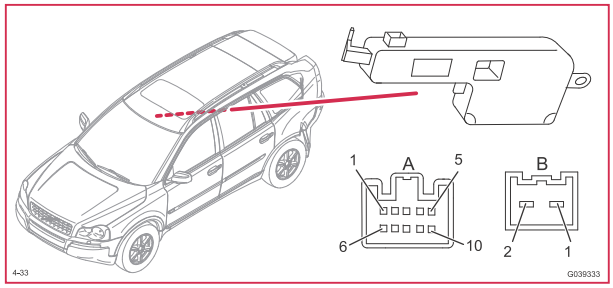
4/28 Transmission Control Module (TCM), TF-80SC



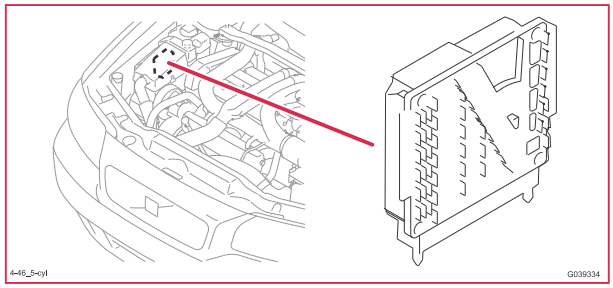
4/31 Fan control module



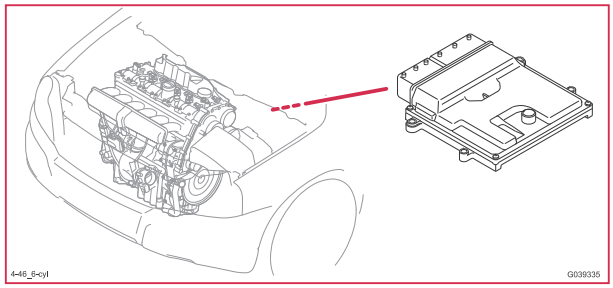
4/33 Sun roof Module (SRM)



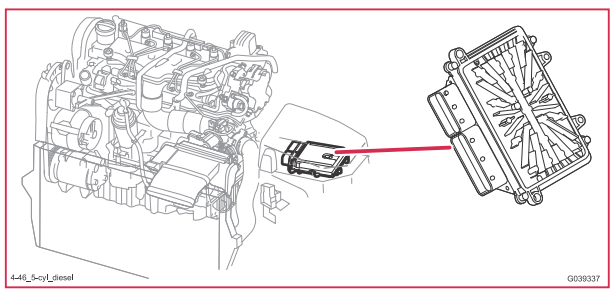
4/46 Engine Control Module (ECM) 5-Cyl.



4/46 Engine Control Module (ECM) 6-Cyl.

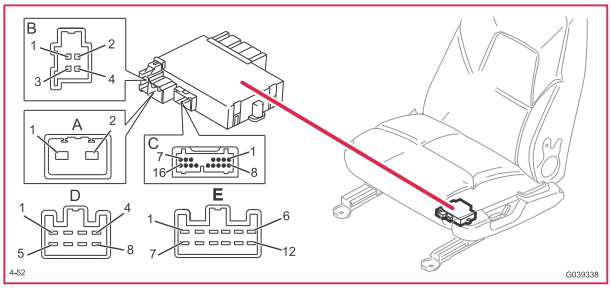


4/46 Engine Control Module (ECM) Diesel

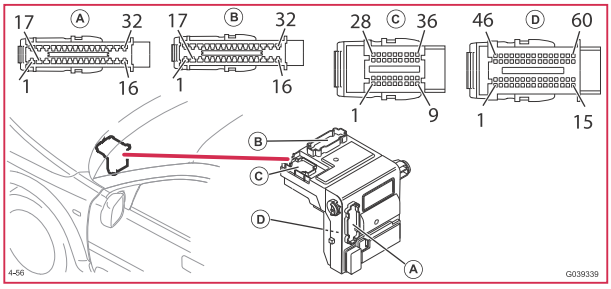


Component illustrations
4/52 - 4/82

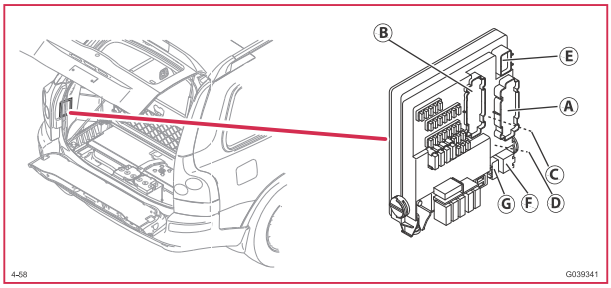
4/52 Power Seat Module (PSM)



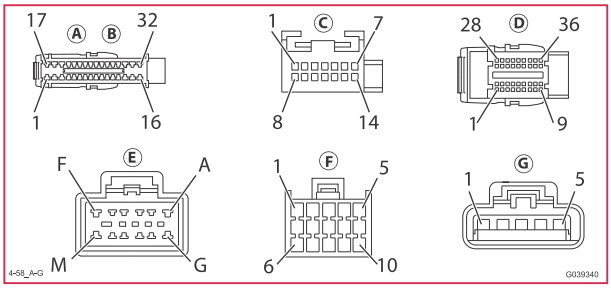
4/56 Central Electronic Module (CEM)



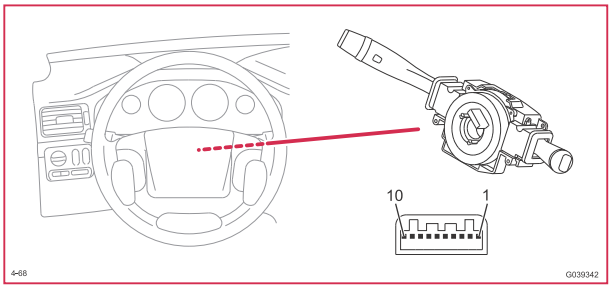
4/58 Rear Electronic Module (REM)



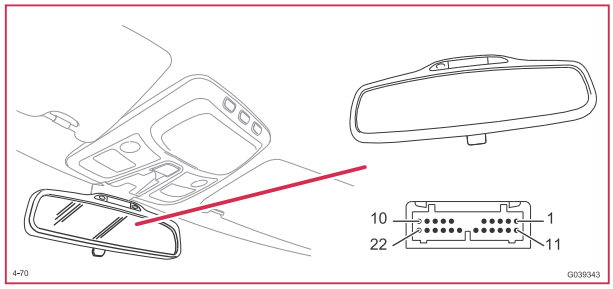
4/58 Rear Electronic Module (REM) A-G



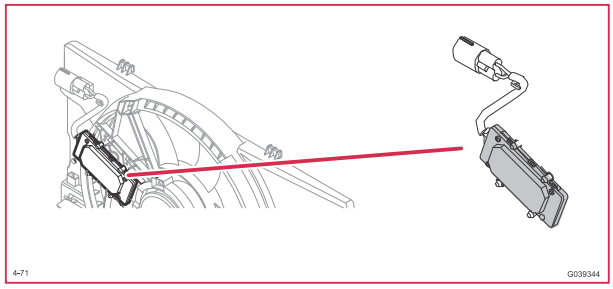
4/68 Steering Wheel Angle Sensor Module (SAS)



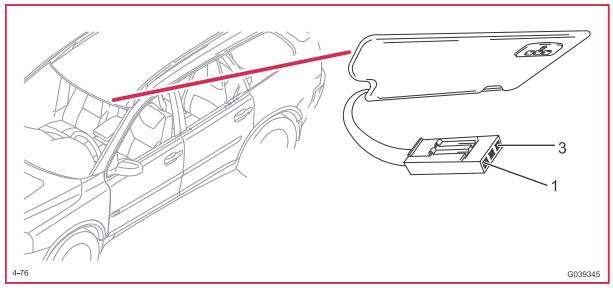
4/70 Upper Electronic Module (UEM)



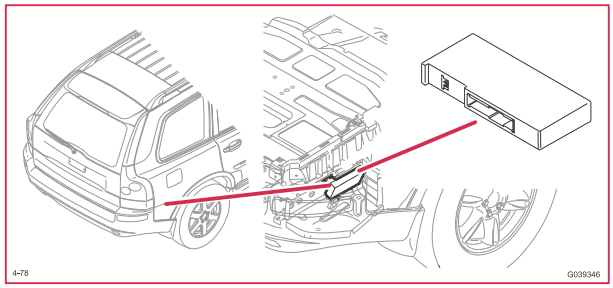
4/71 Cooling fan control module



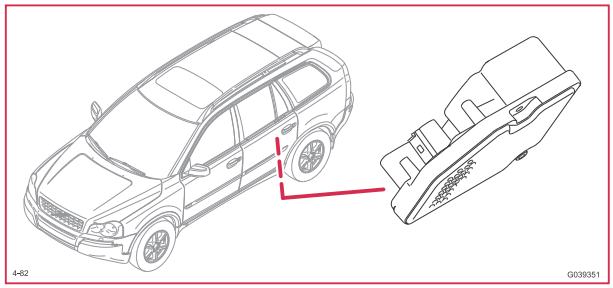
4/76 Remote control unit for garage door opener



4/78 Accessory electronic module (AEM)



4/82 Differential Electronic Module (DEM)



Component illustrations
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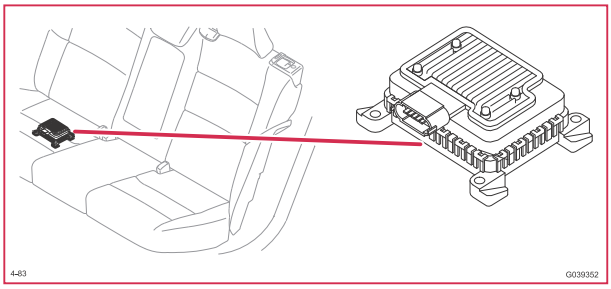
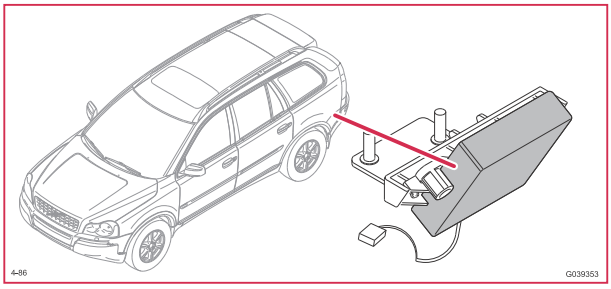
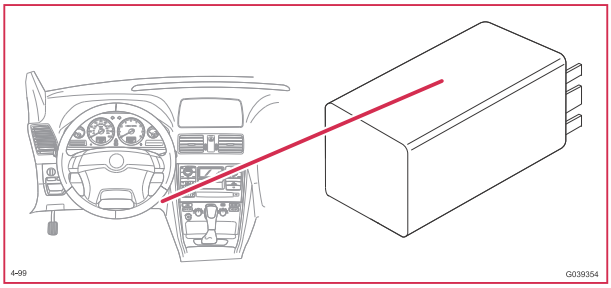
4/83 Control module fuel pump



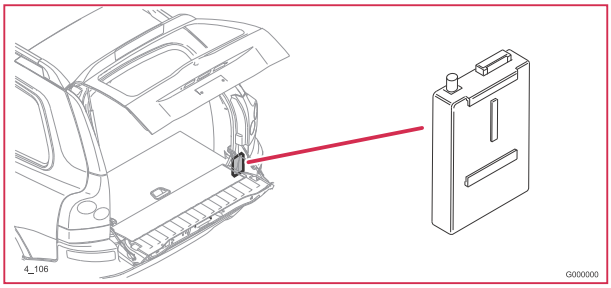
4/86 Parking Assistance Module (PAM)



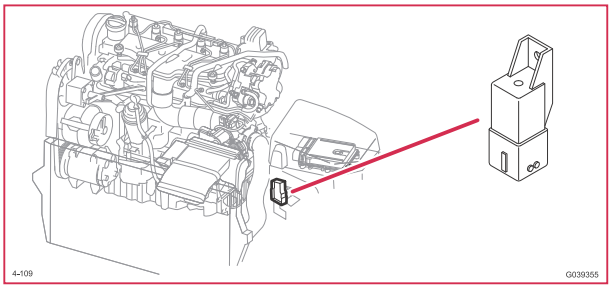
4/99 Control module speed dependent power steering



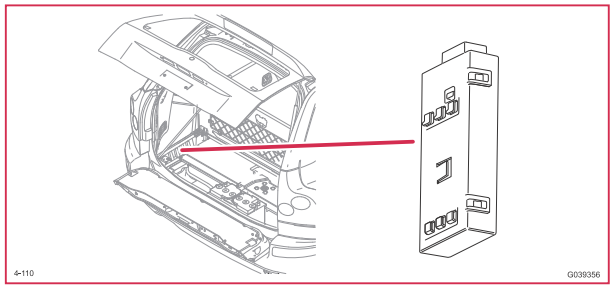
4/106 Control module, remote parking heater start



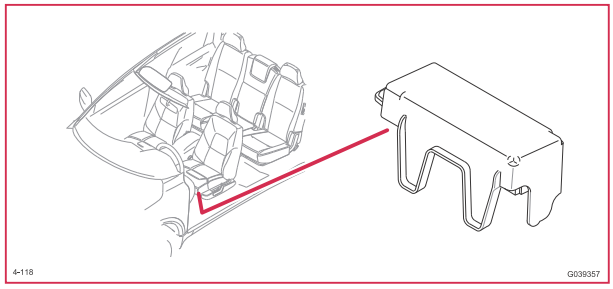
4/109 Glow plug control module



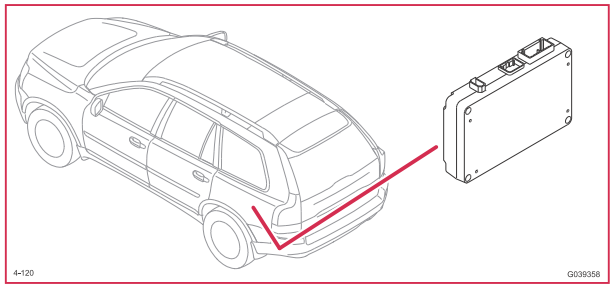
4/110 Trailer Module



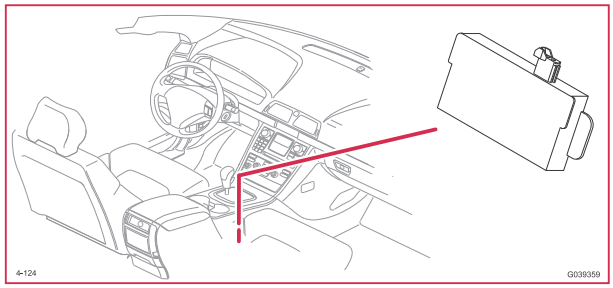
4/118 Headlamp Control Module (HCM)



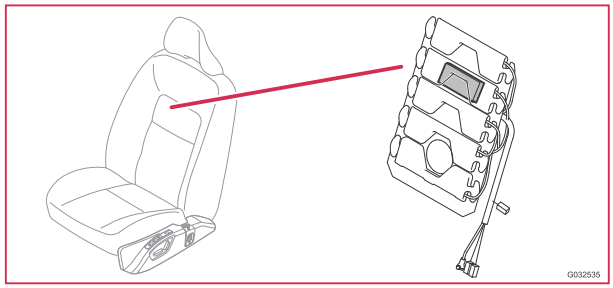
4/120 Parking Assistance Camera (PAC)



4/124 Accessory USB unit (AUU)



4/131 Control module back massage left



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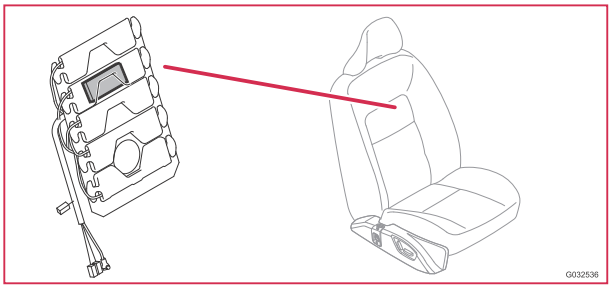
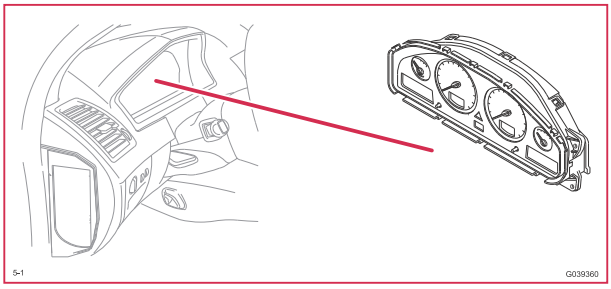
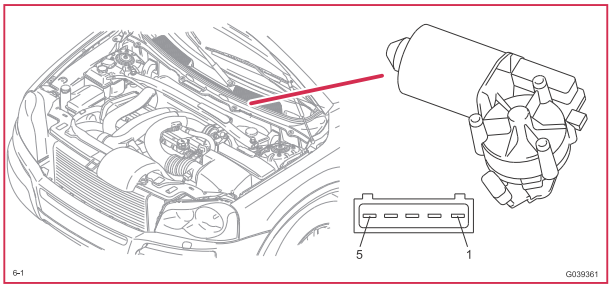
4/133 Control back massage right



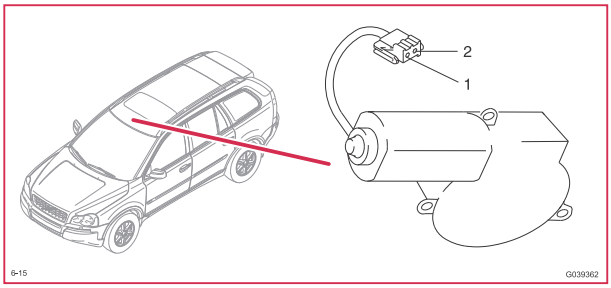
5/1 Driver Information Module (DIM)



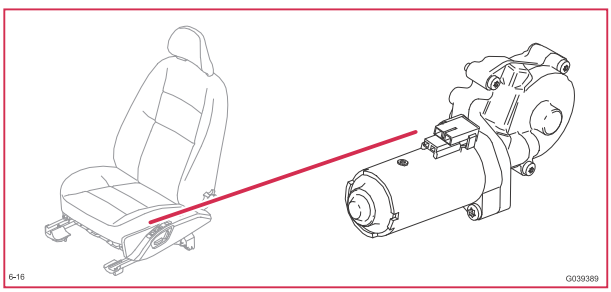
6/1 Windshield wiper motor



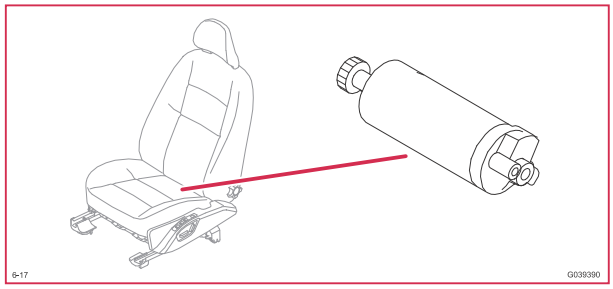
6/15 Sunroof motor



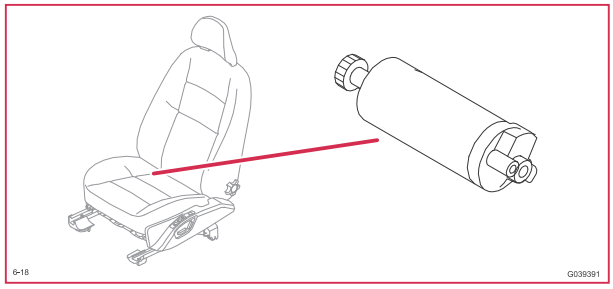
6/16 Motor driver's seat, backrest angle



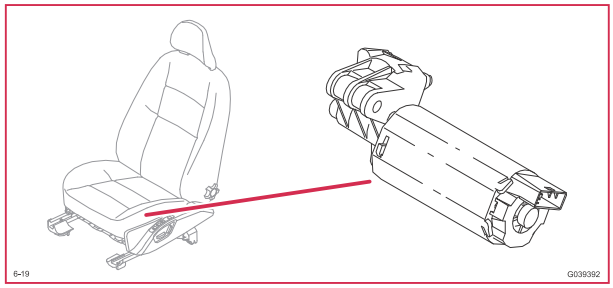
6/17 Motor driver's seat, up/down front edge



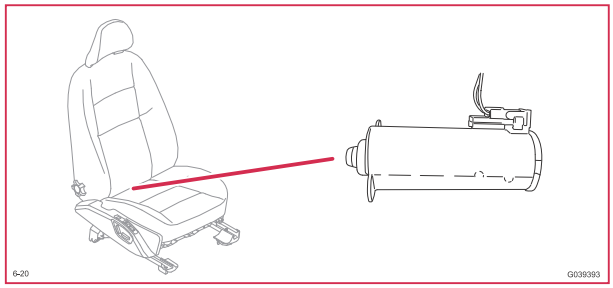
6/18 Motor driver's seat, up/down rear edge



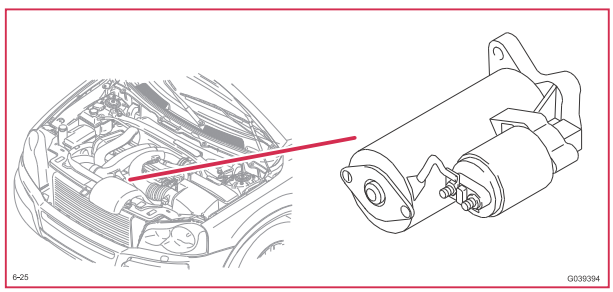
6/19 Motor driver's seat, fore/aft



6/20 Motor passenger seat, fore/aft



6/25 Starter motor



Component illustrations
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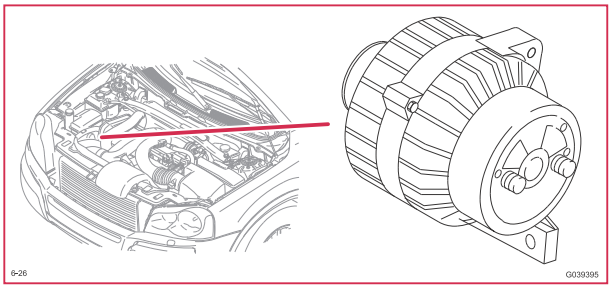
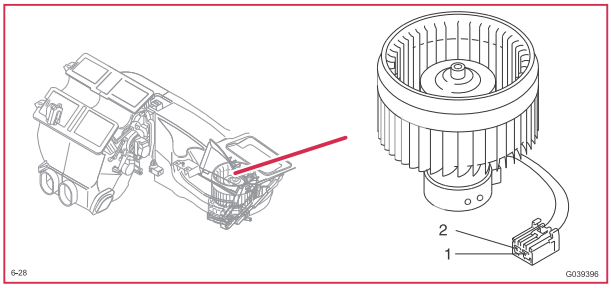
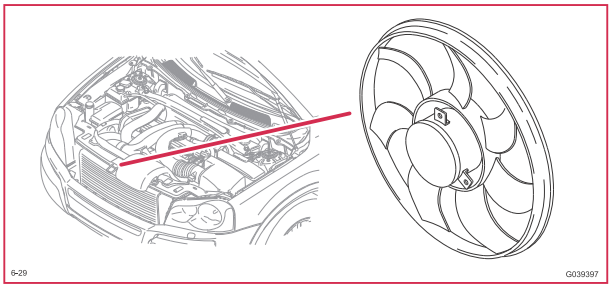
6/26 Alternator Control Module (ACM)



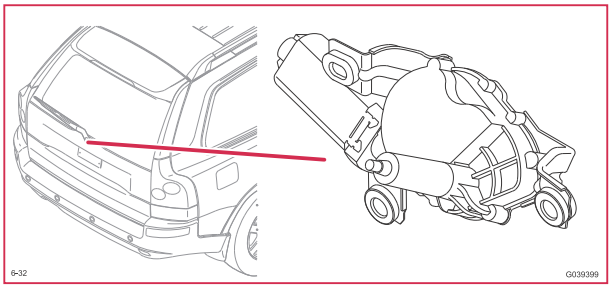
6/28 Motor, passenger compartment fan



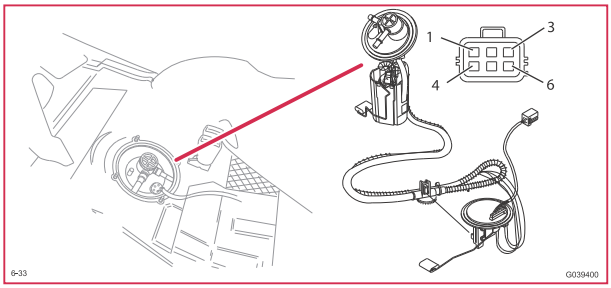
6/29 Motor, electric cooling fan



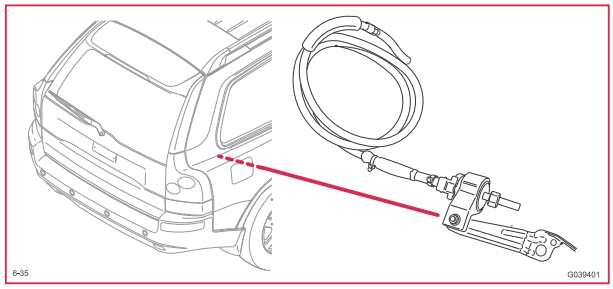
6/32 Rear window wiper motor



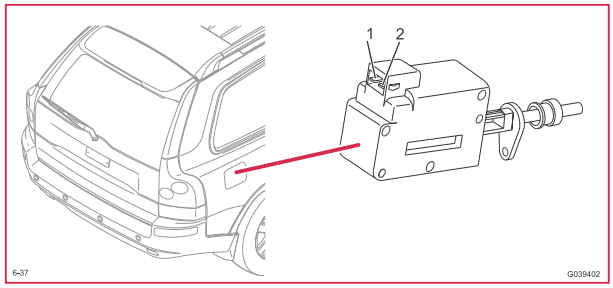
6/33 Fuel pump



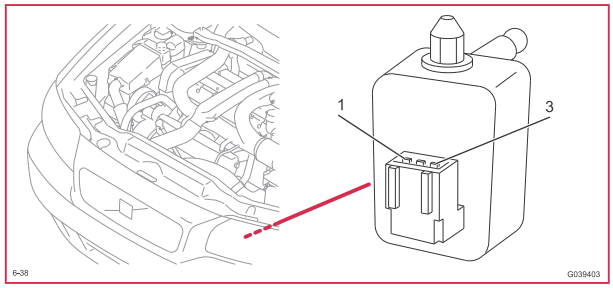
6/35 Fuel pump, auxiliary heater



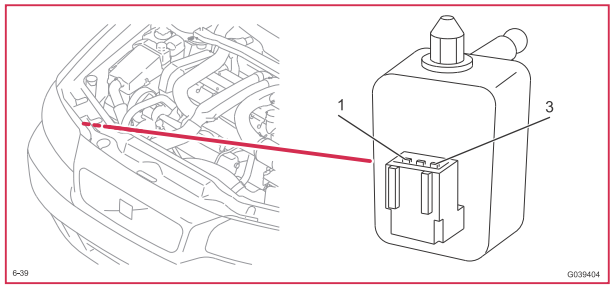
6/37 Lock motor, fuel filler cover



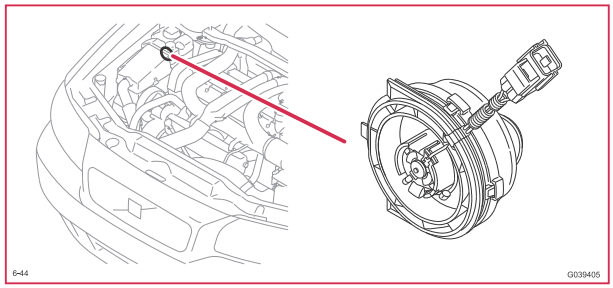
6/38 Motor, left headlight adjustment



6/39 Motor, right headlight adjustment



6/44 Cooling fan, electrics box, engine compartment



Component illustrations
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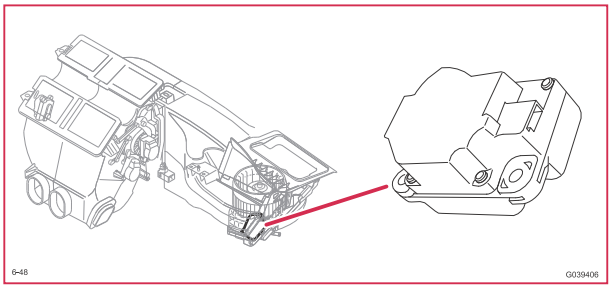
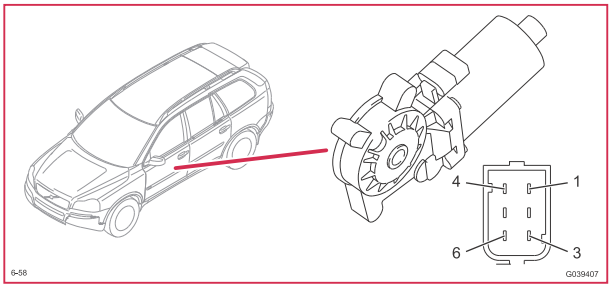
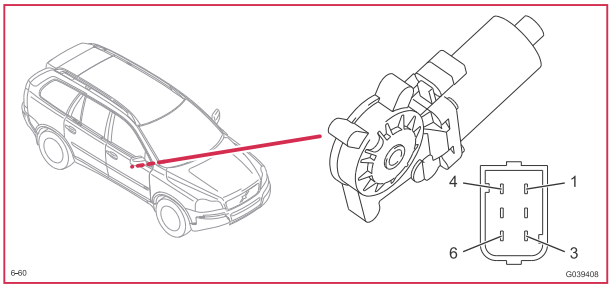
6/48 Damper Motor Module (DMM), recirculation



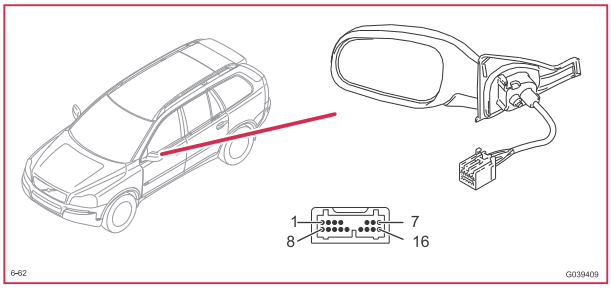
6/58 Motor, front left power window



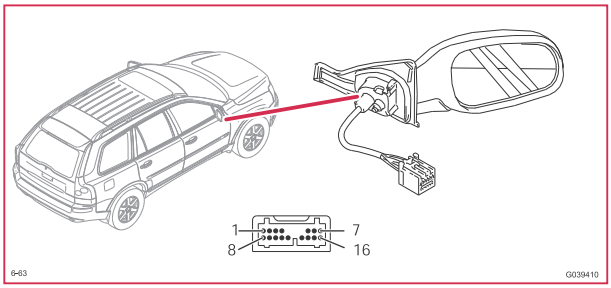
6/60 Motor, front right power window



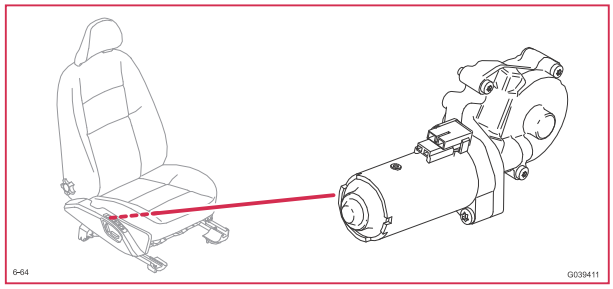
6/62 Left power exterior rearview mirror



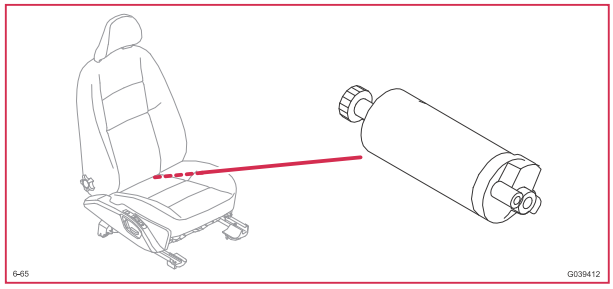
6/63 Right power exterior rearview mirror



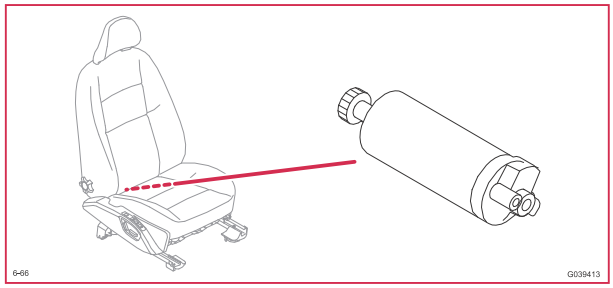
6/64 Motor passenger seat, backrest angle



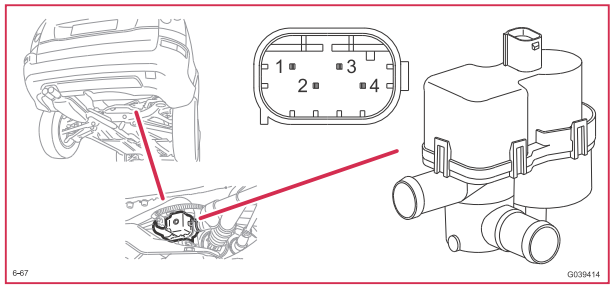
6/65 Motor passenger seat, up/down front edge



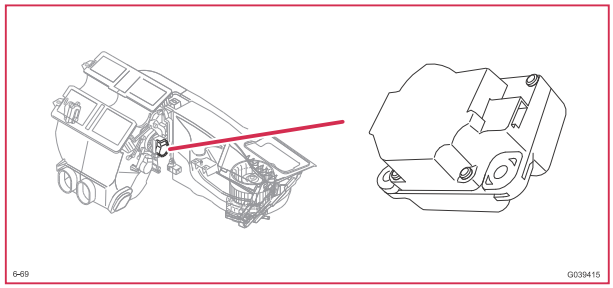
6/66 Motor passenger seat, up/down rear edge



6/67 Pump, fuel leakage control

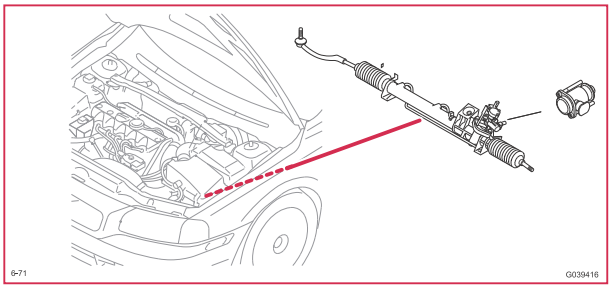


6/69 Damper Motor Module (DMM), ventilation/floor/defroster

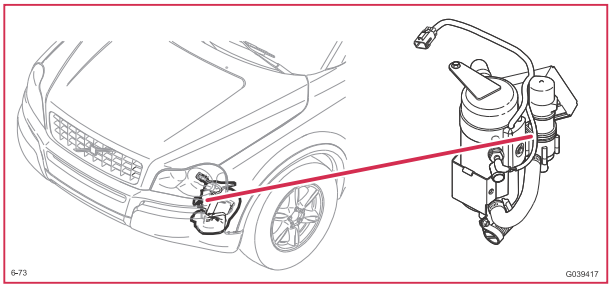


Component illustrations
6/71 - 6/104

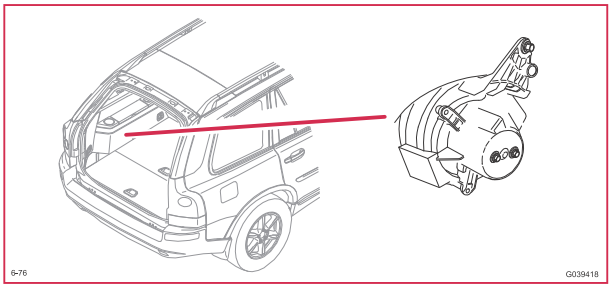
6/71 Valve, speed-dependent power steering



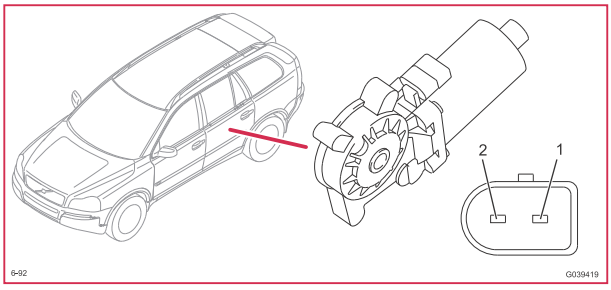
6/73 Coolant pump, auxiliary heater



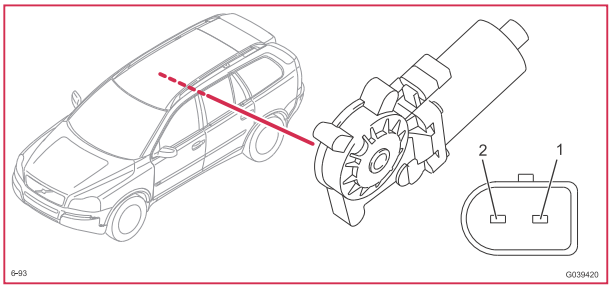
6/76 Climate control system, rear



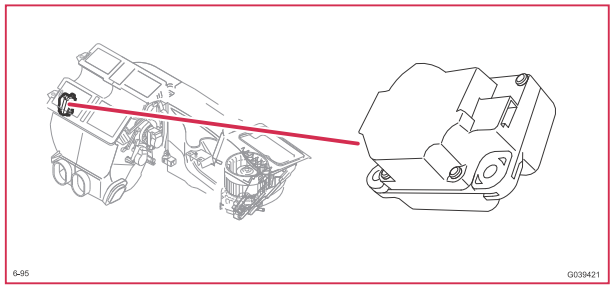
6/92 Motor, rear left power window



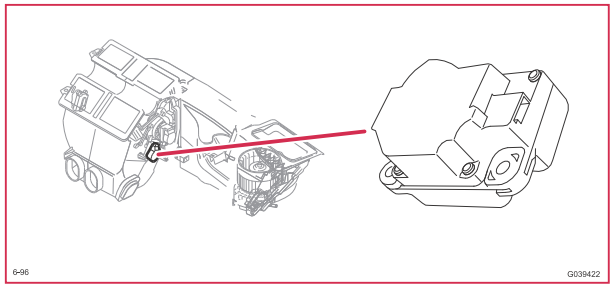
6/93 Motor, rear right power window



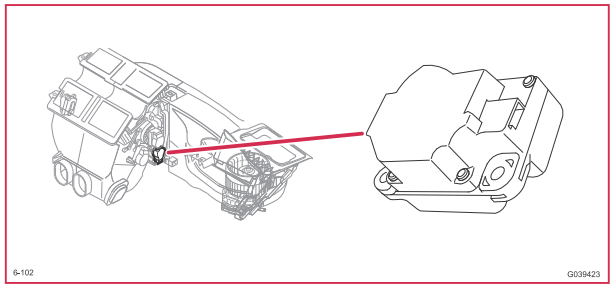
6/95 Damper Motor Module (DMM), temperature, left side



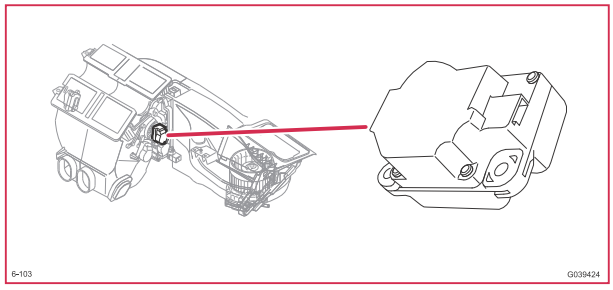
6/96 Damper Motor Module (DMM), temperature, right side



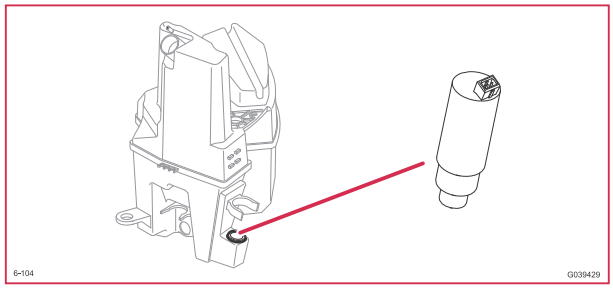
6/102 Damper Motor Module (DMM), defroster



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

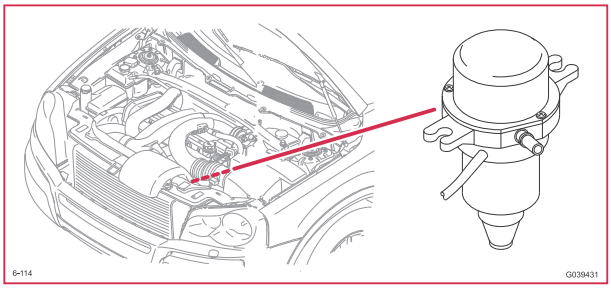


6/104 High pressure headlight washer motor

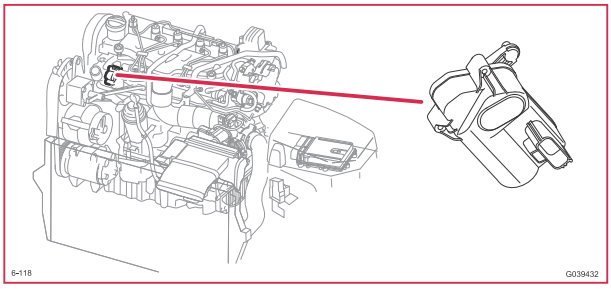


Component illustrations
6/114 - 6/151

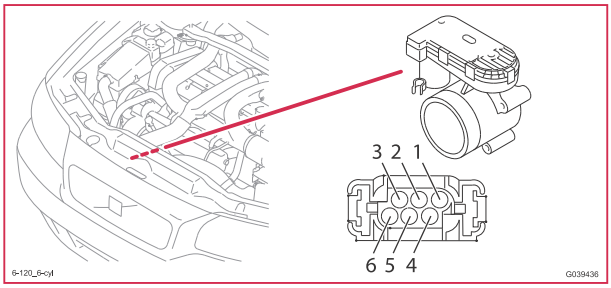
6/114 Vacuum pump



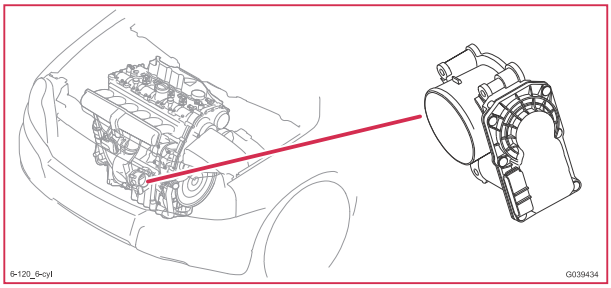
6/118 Regulator motor, swirl throttle



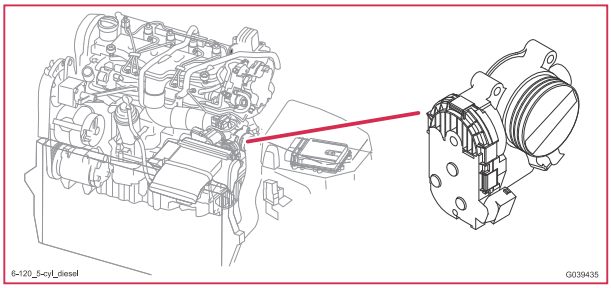
6/120 Throttle unit 5-Cyl.



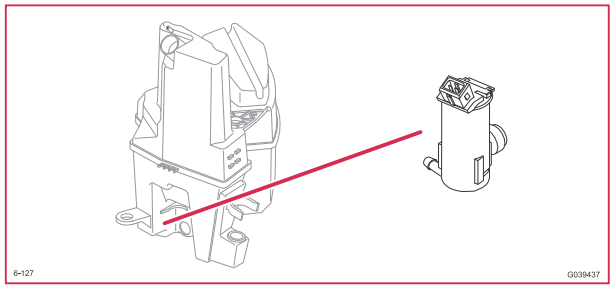
6/120 Throttle unit 6-Cyl.



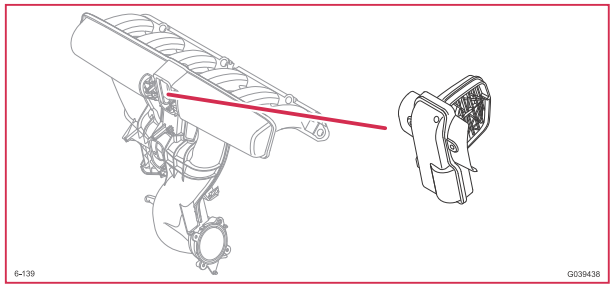
6/120 Throttle unit Diesel



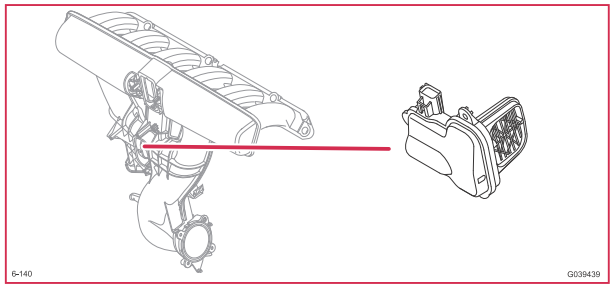
6/127 Washer motor



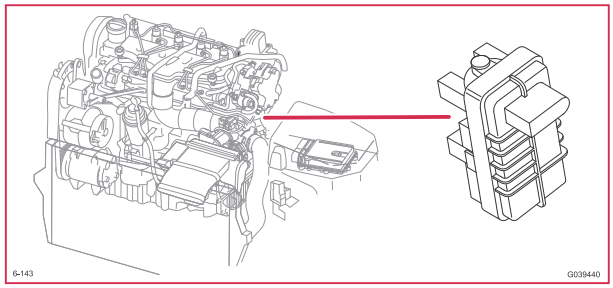
6/139 Upper actuating motor, intake manifold



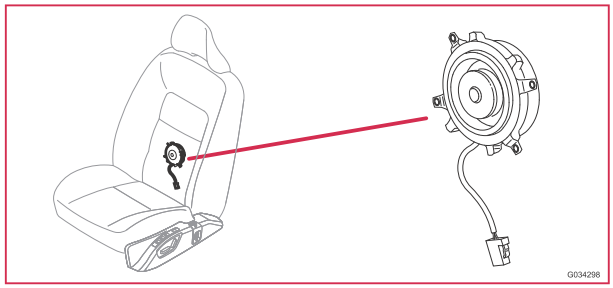
6/140 Lower actuating motor, intake manifold



6/143 Regulator motor, Turbo



6/151 Ventilation fan backrest left seat



Component illustrations
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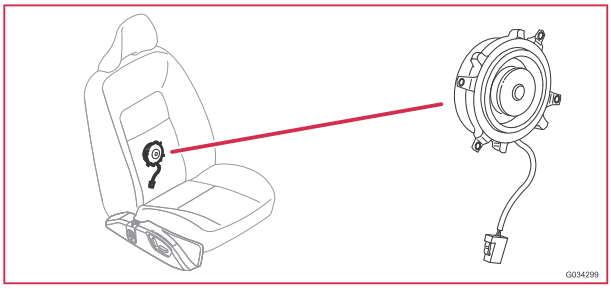
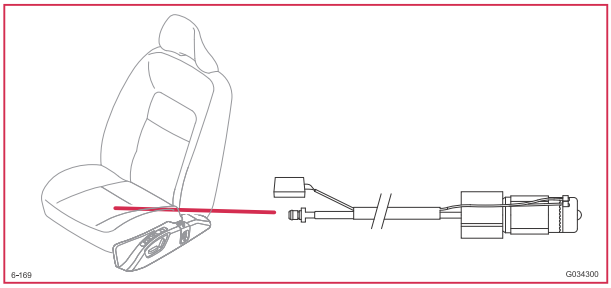
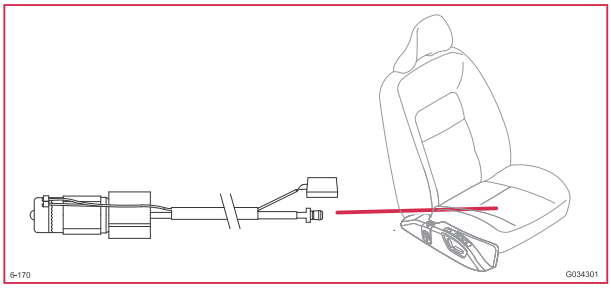
6/153 Ventilation fan backrest right seat



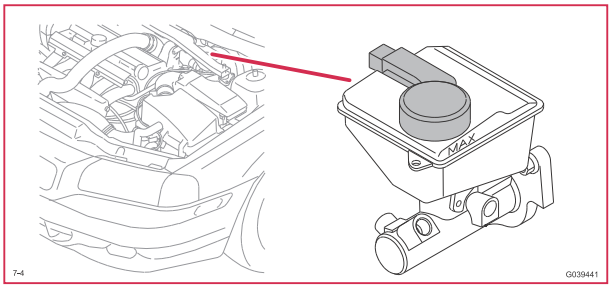
6/169 Left pump back massage



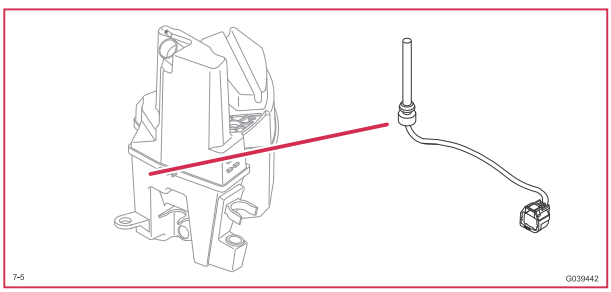
6/170 Right pump back massage



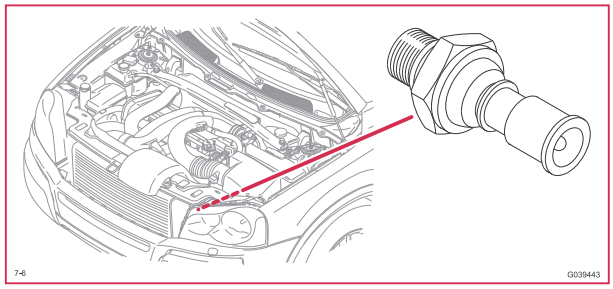
7/4 Brake fluid level sensor



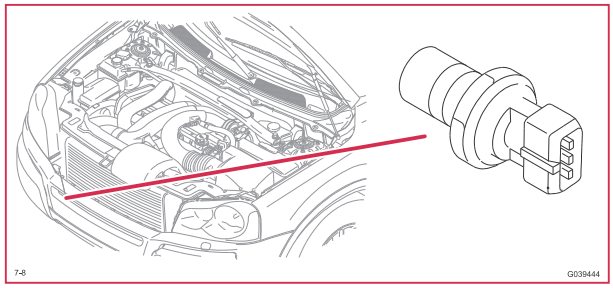
7/5 Washer fluid level sensor



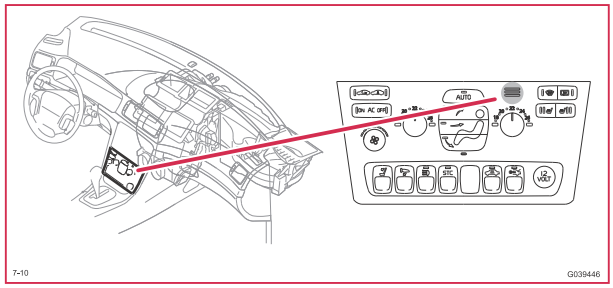
7/6 Oil pressure monitor



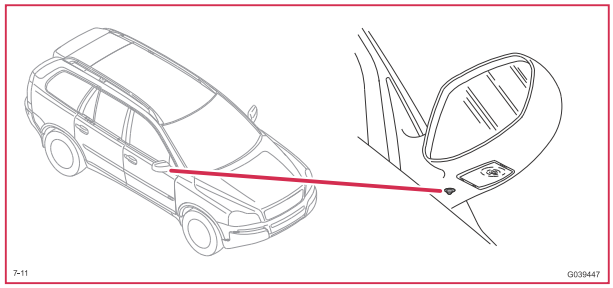
7/8 Pressure sensor, climate control system



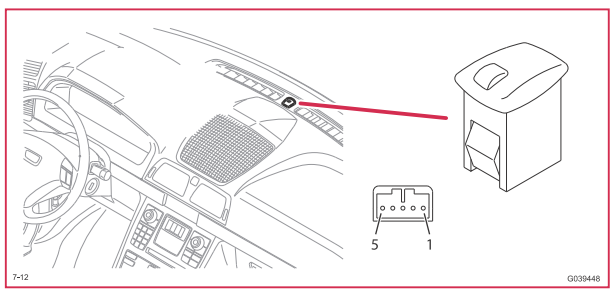
7/10 Interior temperature sensor



7/11 Sensor outside temperature



7/12 Solar sensor, twilight sensor and indicator alarm



Component illustrations
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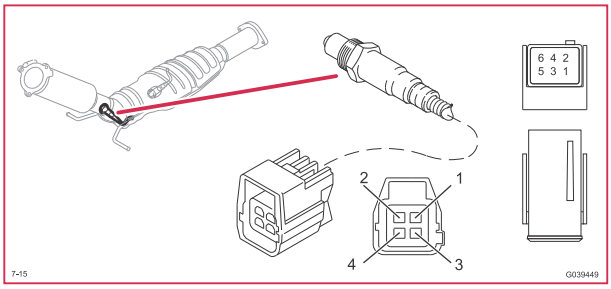
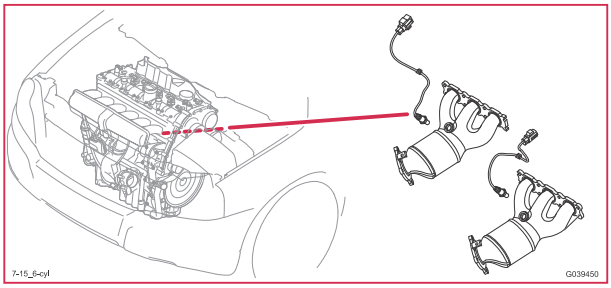
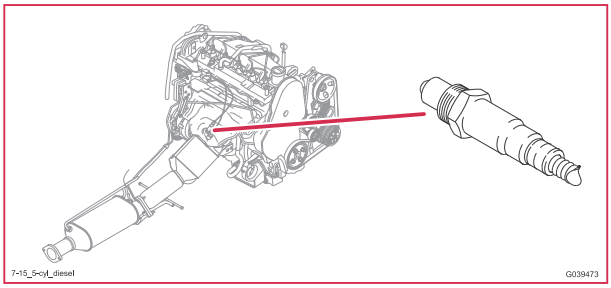
7/15 Heated oxygen sensor, 5-Cyl.



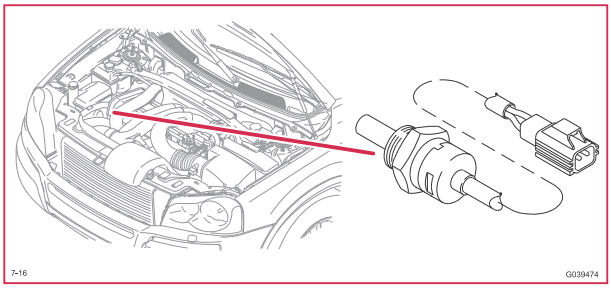
7/15 Front heated oxygen sensor, bank 2, 6-Cyl.



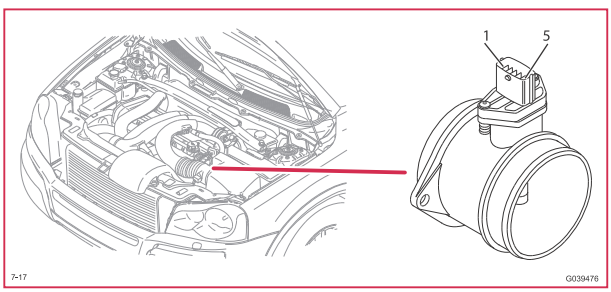
7/15 Heated oxygen sensor Diesel



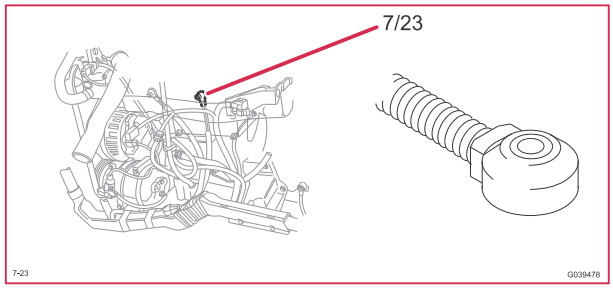
7/16 Sensor, coolant temperature



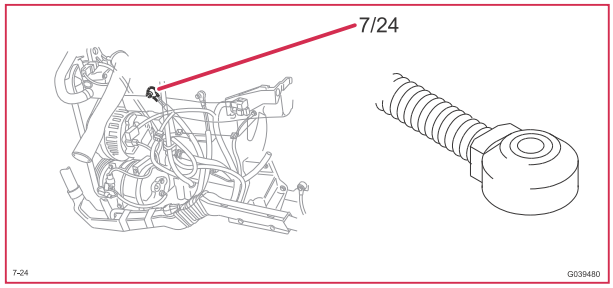
7/17 Mass air flow sensor (MAF)



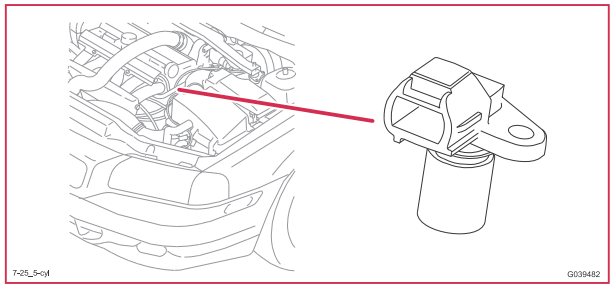
7/23 Rear knock sensor



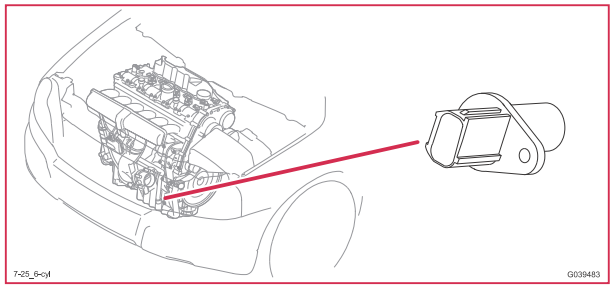
7/24 Front knock sensor



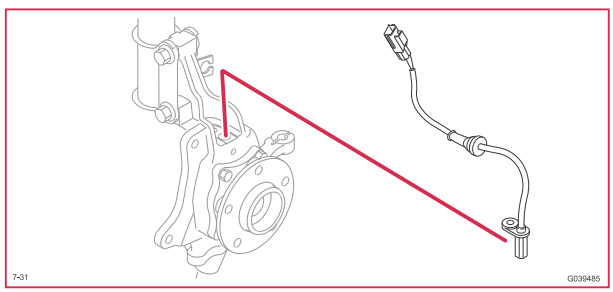
7/25 Impulse sensor, 5-Cyl.



7/25 Impulse sensor, 6-Cyl.



7/31 Sensor ABS, front left



Component illustrations
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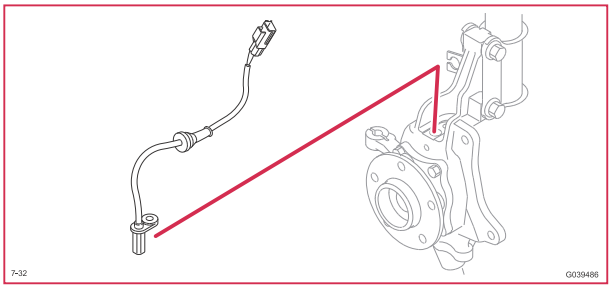
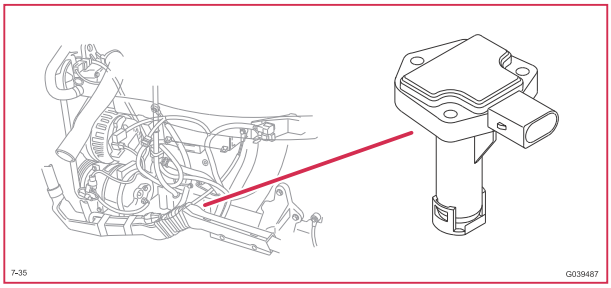
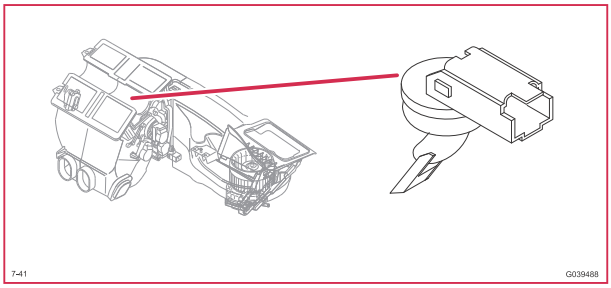
7/32 Sensor ABS, front right



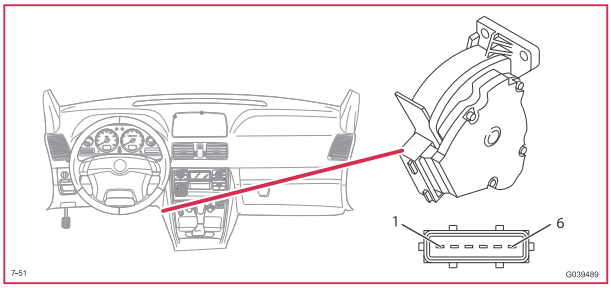
7/35 Oil level sensor



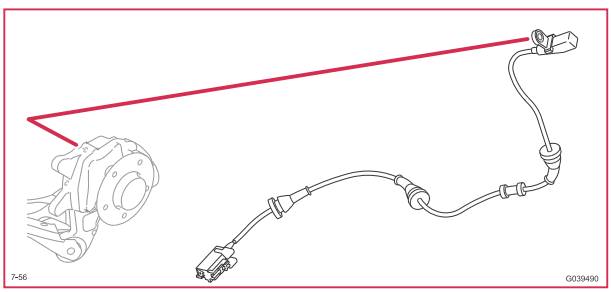
7/41 Temperature sensor evaporator



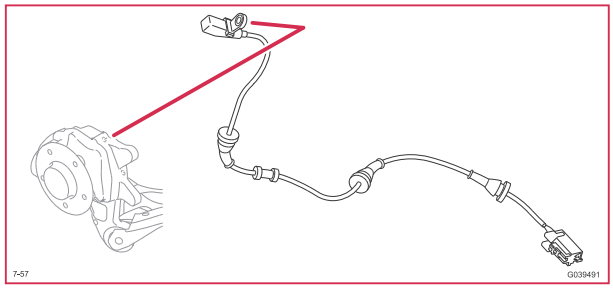
7/51 Accelerator pedal sensor



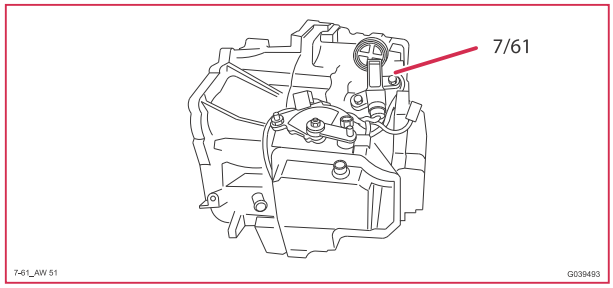
7/56 Sensor ABS, rear left



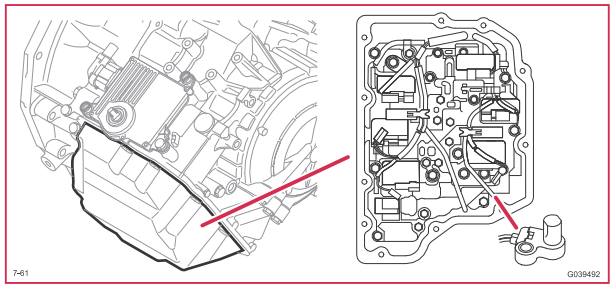
7/57 Right-hand rear ABS sensor



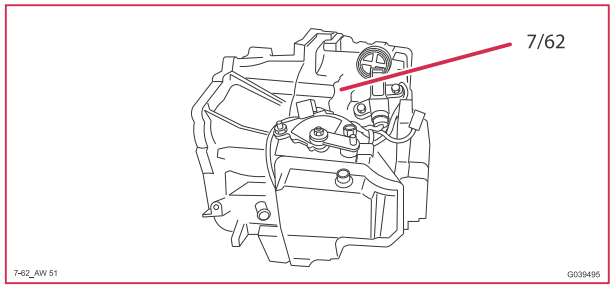
7/61 Input speed sensor AW51



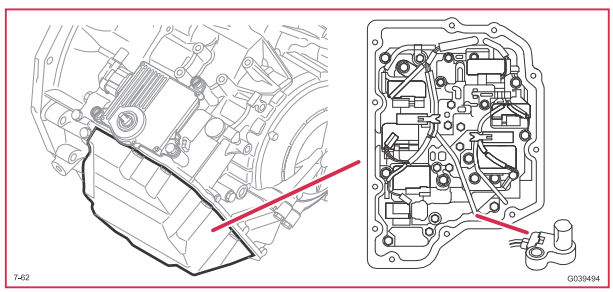
7/61 Input speed sensor TF-80SC



7/62 Output speed sensor AW51

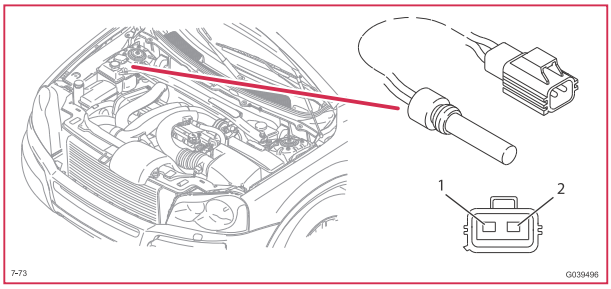


7/62 Output speed sensor TF-80SC

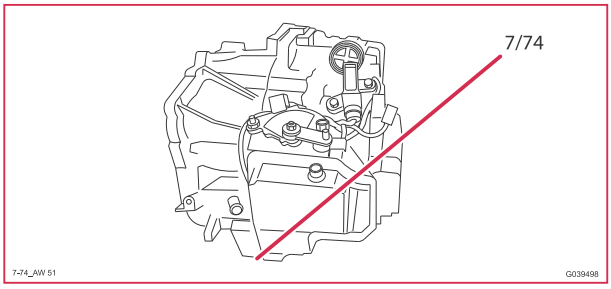


Component illustrations
7/73 - 7/103

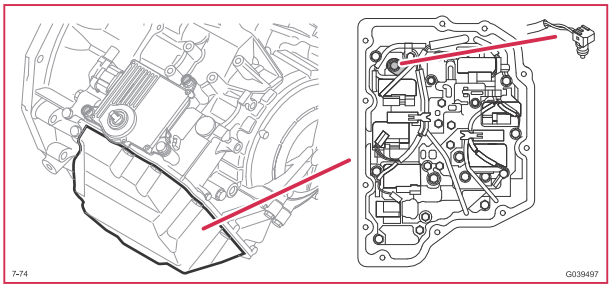
7/73 Coolant level sensor



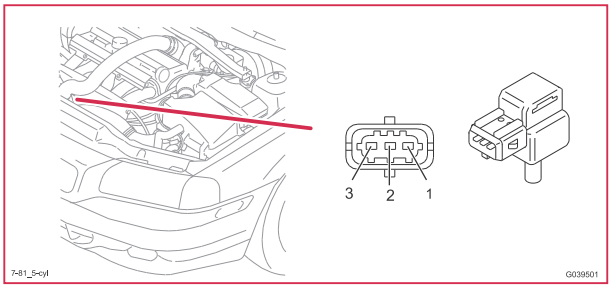
7/74 Fluid temperature sensor, automatic transmission AW51



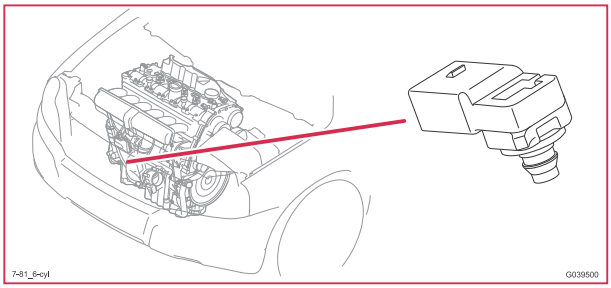
7/74 Fluid temperature sensor, automatic transmission TF-80SC



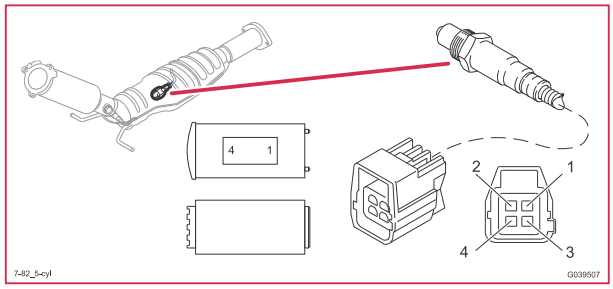
7/81 Intake manifold pressure sensor, 5-Cyl.



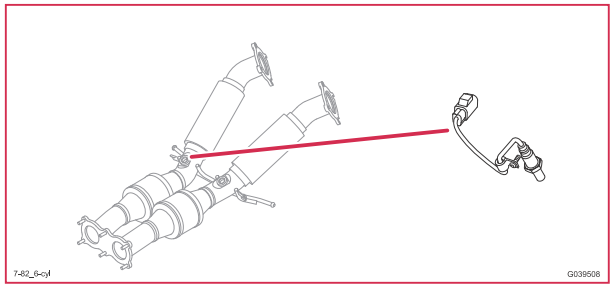
7/81 Intake manifold pressure sensor, 6-Cyl.



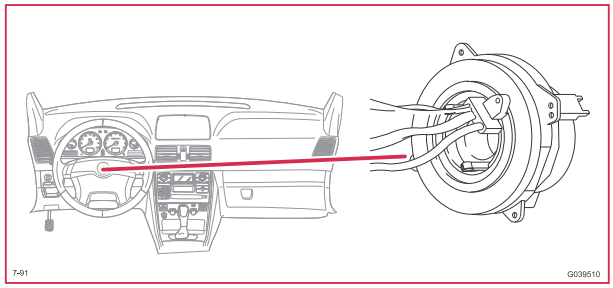
7/82 Rear heated oxygen sensor, 5-Cyl.



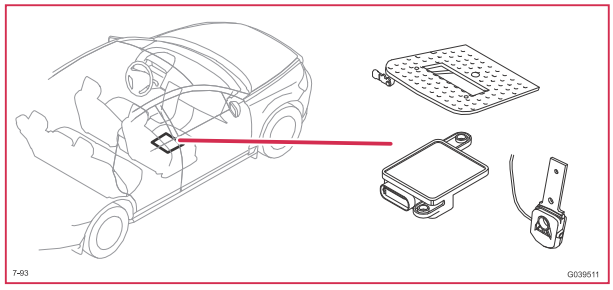
7/82 Rear heated oxygen sensor, bank 2, 6-Cyl.



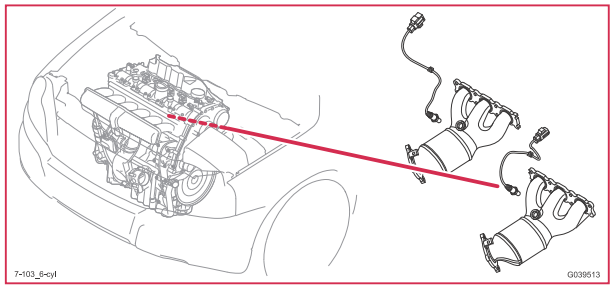
7/91 Steering angle sensor



7/93 Occupant Weight Sensor (OWS)

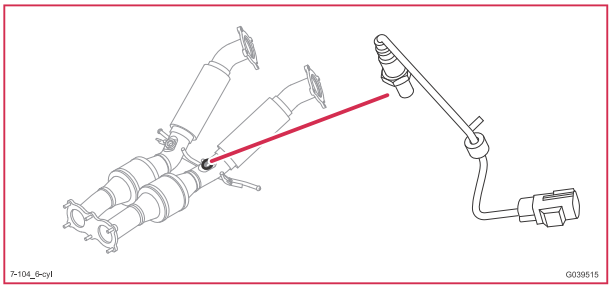


7/103 Front heated oxygen sensor, bank 1, 6-Cyl.

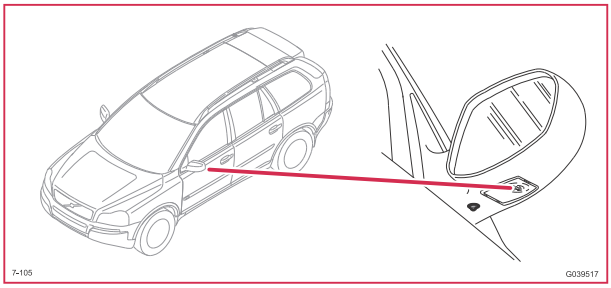


Component illustrations
7/104 - 7/122

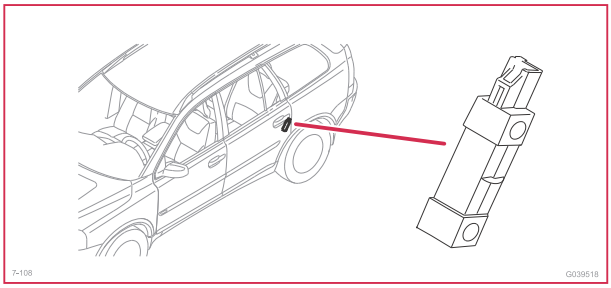
7/104 Rear heated oxygen sensor, bank 1, 6-Cyl.



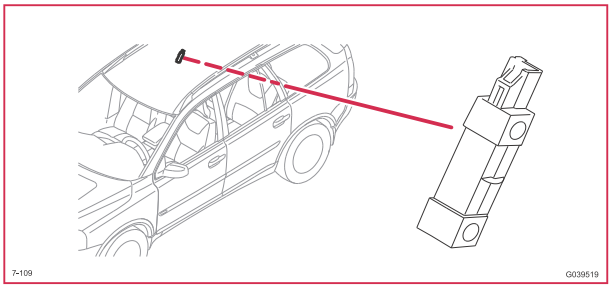
7/105 Outside temperature sensor, engine control module



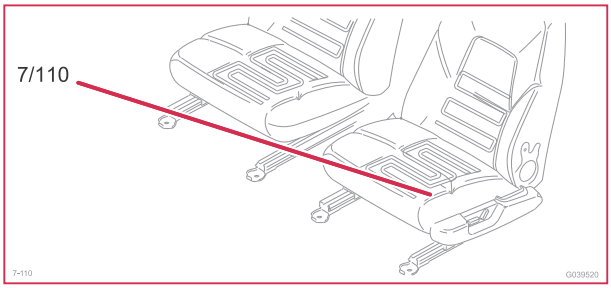
7/108 Side impact sensor, rear left



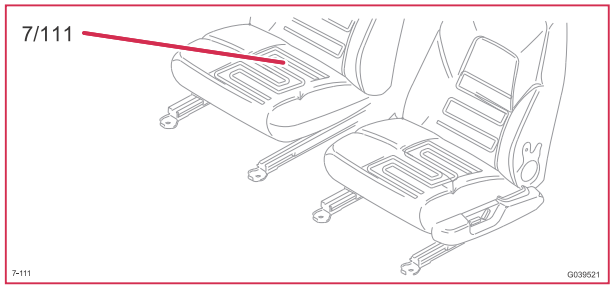
7/109 Side impact sensor, rear right



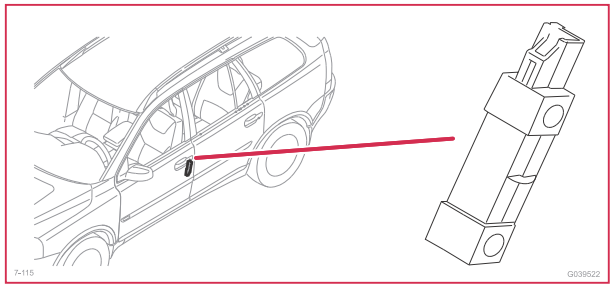
7/110 Left-hand seat temperature sensor



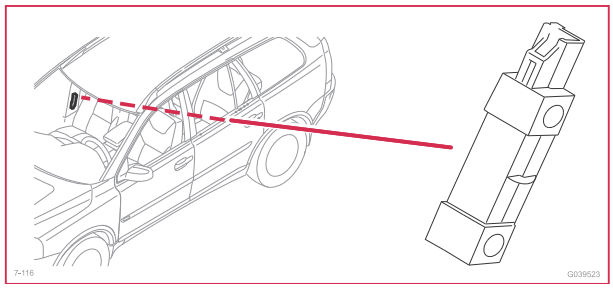
7/111 Right-hand seat temperature sensor



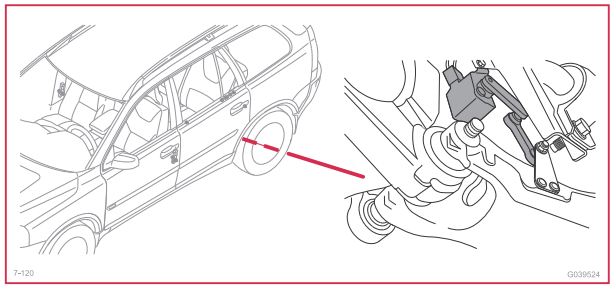
7/115 Side impact sensor, front left



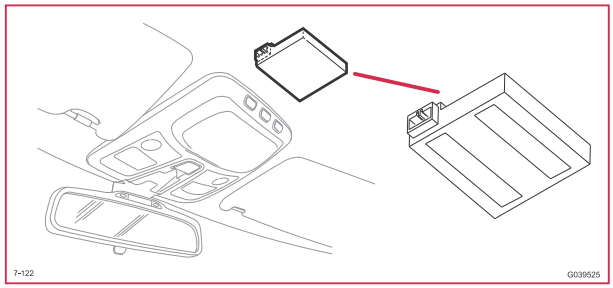
7/116 Side impact sensor, front right



7/120 Angle sensor, Four-C/Dual Xenon rear left

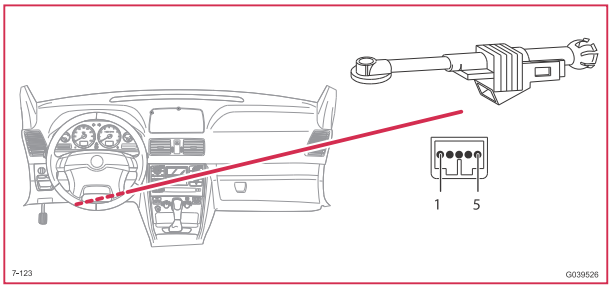


7/122 Mass Movement Sensor Module (MMS), front

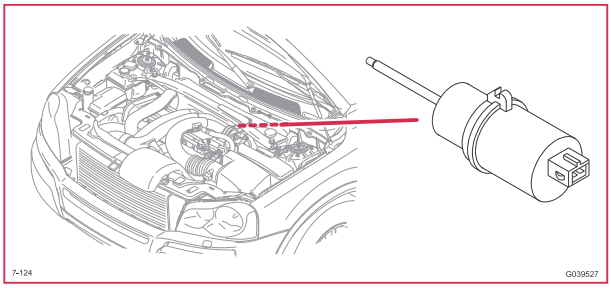


Component illustrations
7/123 - 7/156

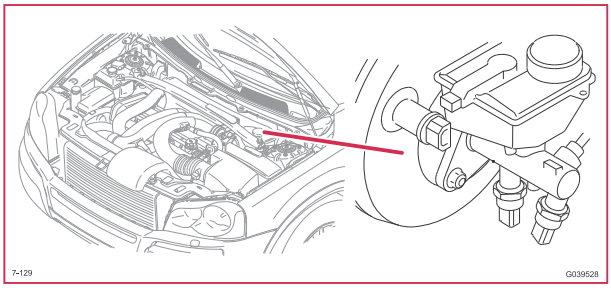
7/123 Clutch pedal sensor



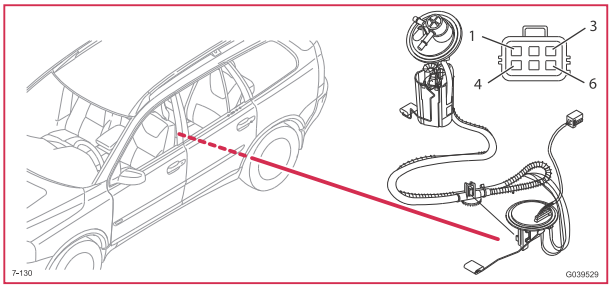
7/124 Sensor brake pedal



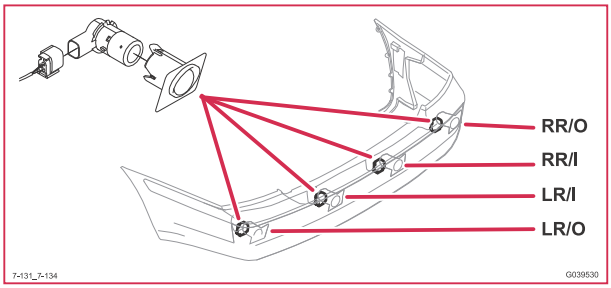
7/129 Brake pressure sensor 2 (B)



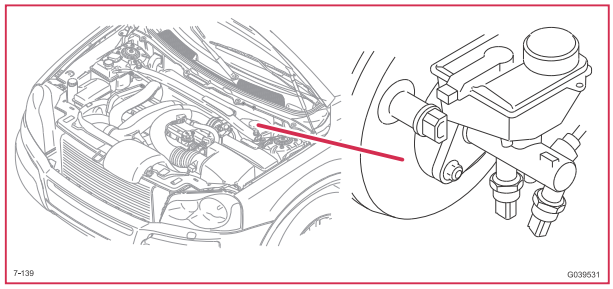
7/130 Fuel level sensor, ejector side



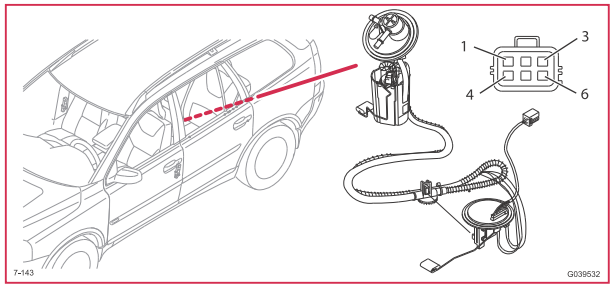
7/131-
7/134 Rear parking assistance sensor



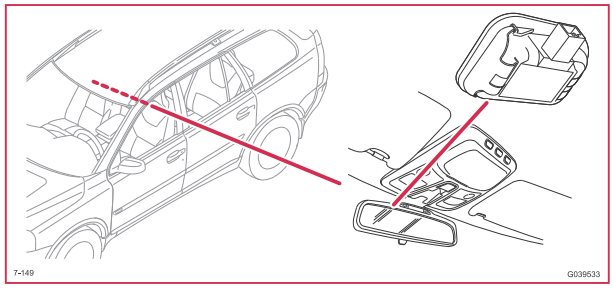
7/139 Brake pressure sensor 1 (A)



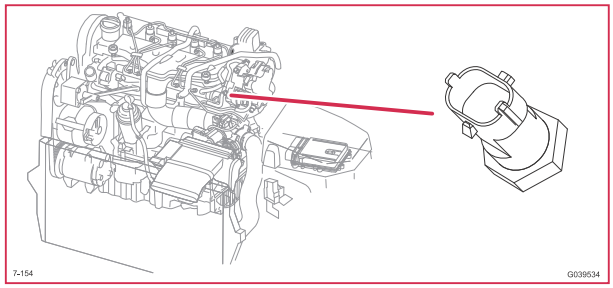
7/143 Sensor fuel level, pump side



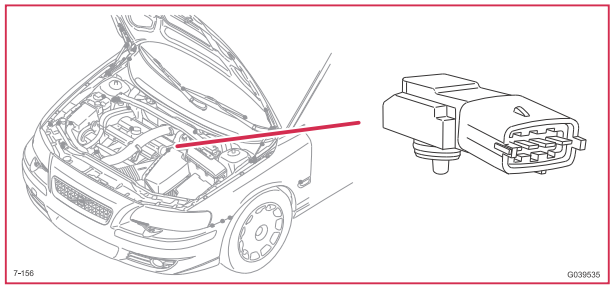
7/149 Rain Sensor Module (RSM)



7/154 Fuel temperature sensor, Diesel



7/156 Pressure and temperature sensor fuel



Component illustrations
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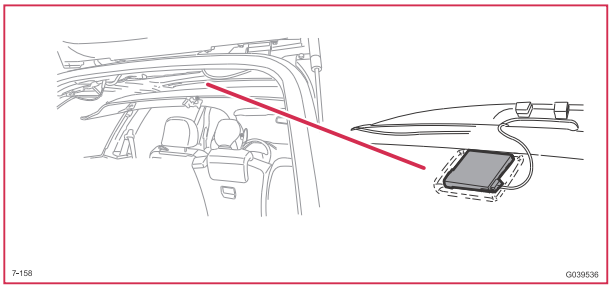
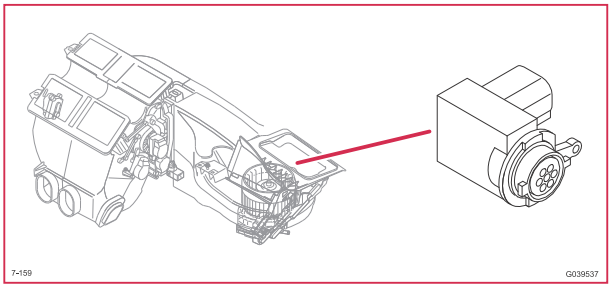
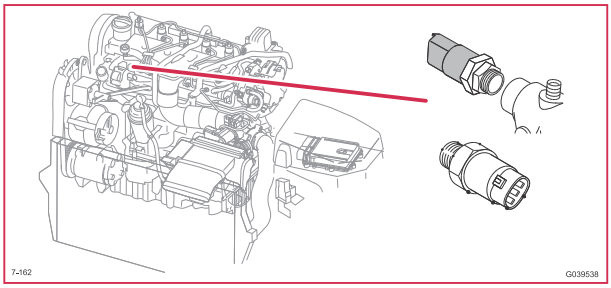
7/158 Mass Movement Sensor Module (MMS), rear



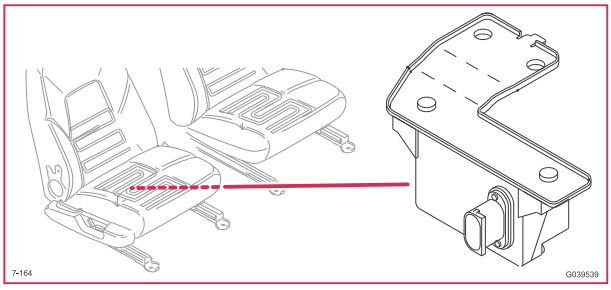
7/159 Air Quality Sensor (AQS)



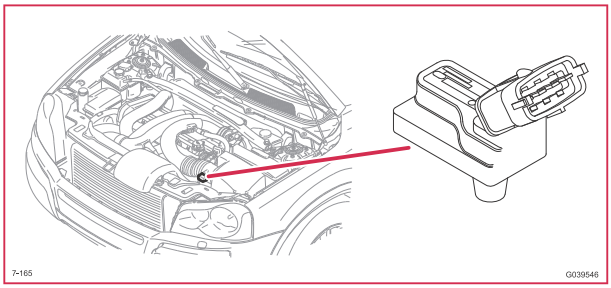
7/162 Fuel rail pressure sensor, Diesel



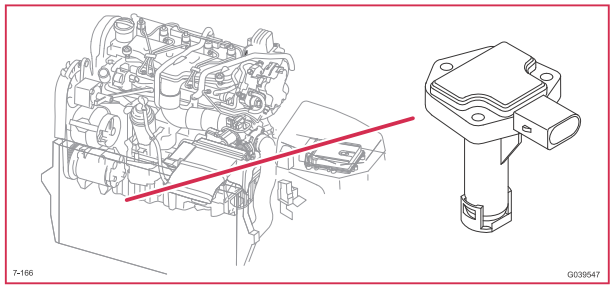
7/164 Body Sensor Cluster Stability Sensor (BSC)



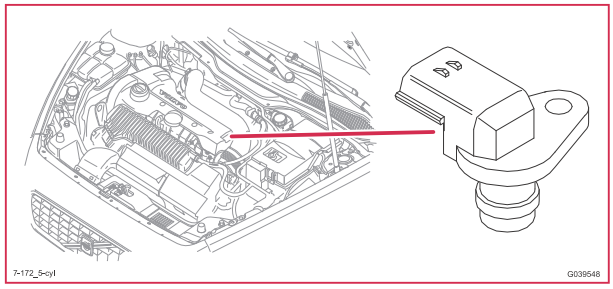
7/165 Pressure and temperature sensor, intake manifold



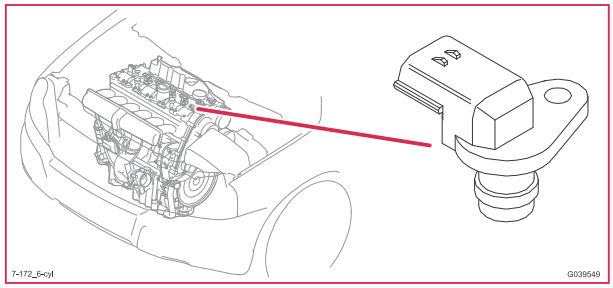
7/166 Oil level sensor, Diesel



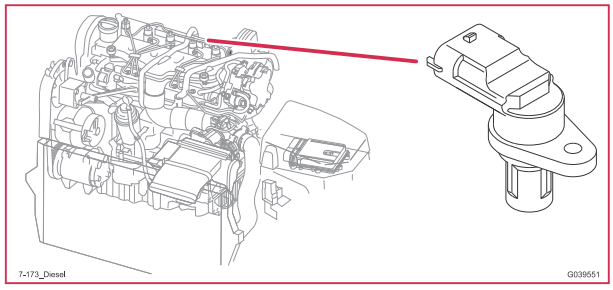
7/172 Position sensor camshaft, intake side 5-Cyl.



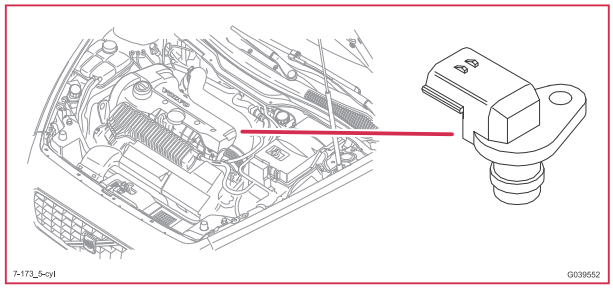
7/172 Position sensor camshaft, intake side 6-Cyl.



7/173 Camshaft position sensor, exhaust side, Diesel



7/173 Position sensor camshaft, outlet side 5-Cyl.



Component illustrations
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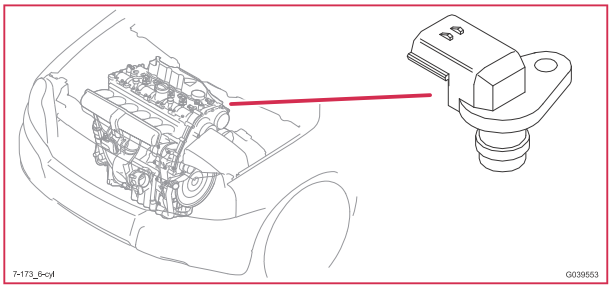
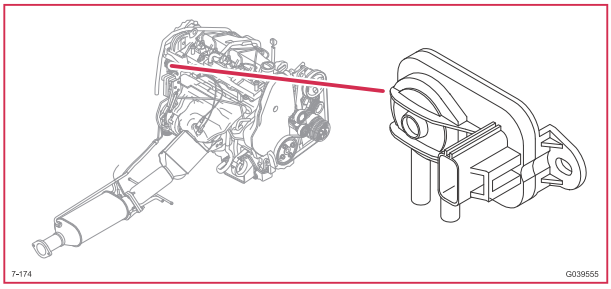
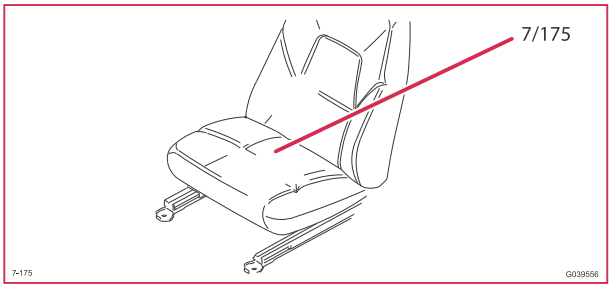
7/173 Position sensor camshaft, outlet side 6-Cyl.



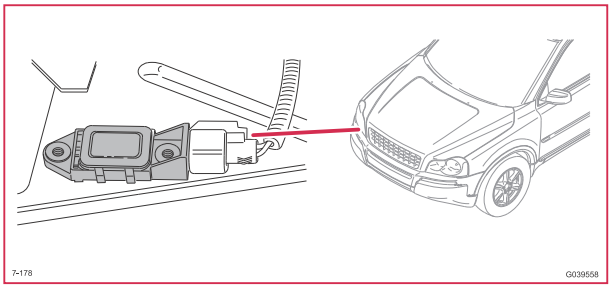
7/174 Differential pressure sensor, particle filter



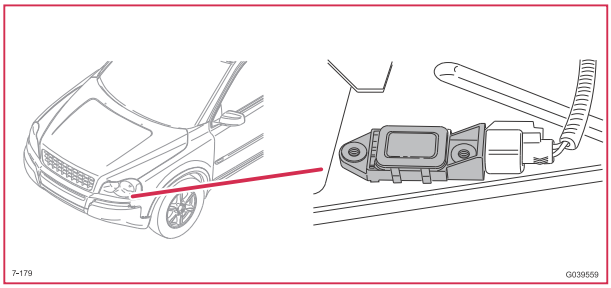
7/175 Occupant weight sensor, seat belt reminder



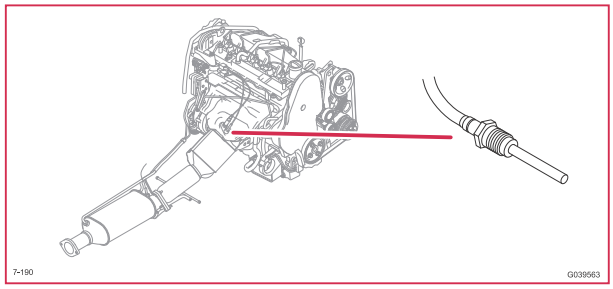
7/178 Front impact sensor, right



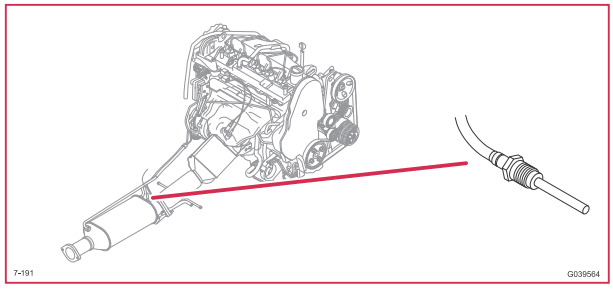
7/179 Front impact sensor, left



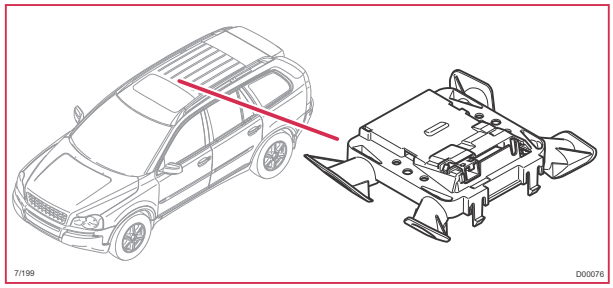
7/190 Temperature sensor, catalytic converter



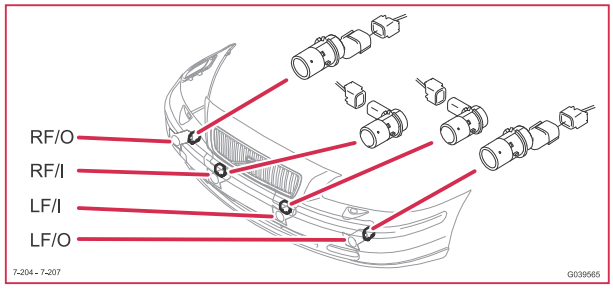
7/191 Temperature sensor, particle filter



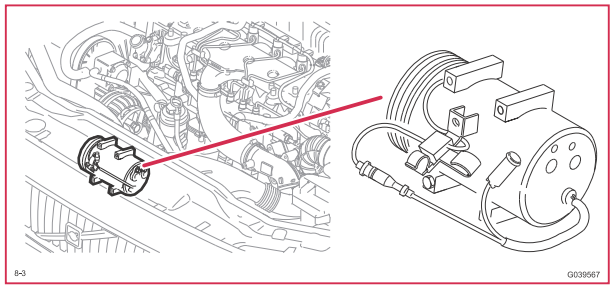
7/199 Ultrasonic sensor (IMS)



7/204- 7/207 Front parking assistance sensor

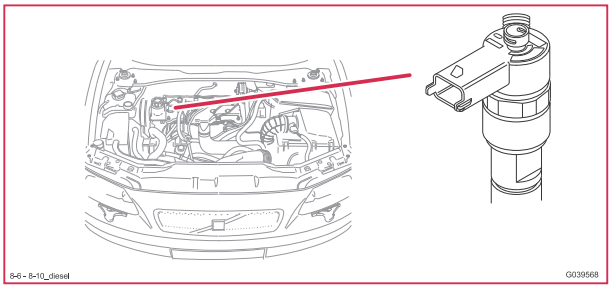


8/3 Electromagnetic clutch, climate control system

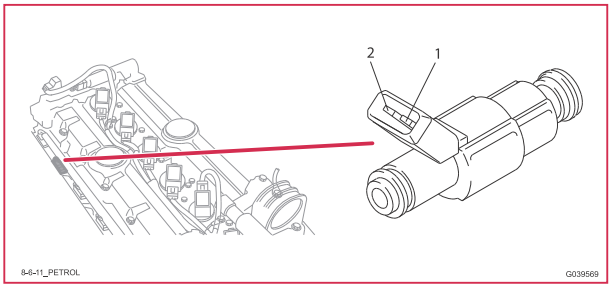


Component illustrations
8/6-10 - 8/33

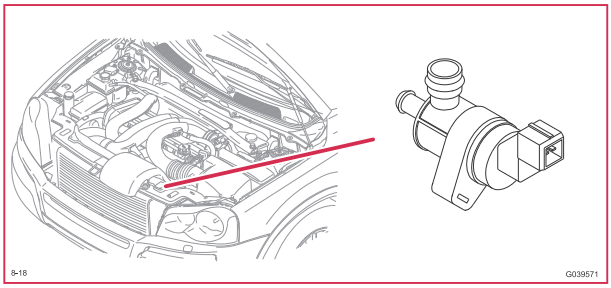
8/6-10 Injectors, Diesel



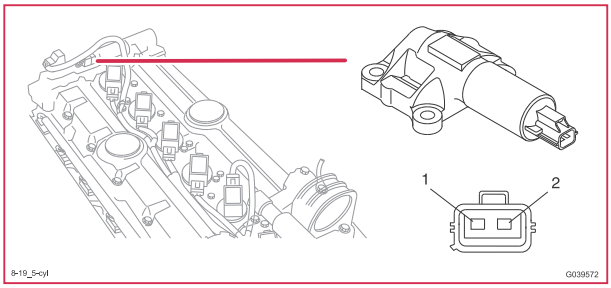
8/6-11 Injectors, Gasoline



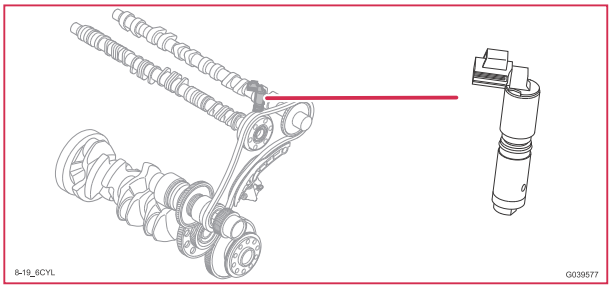
8/18 EVAP valve



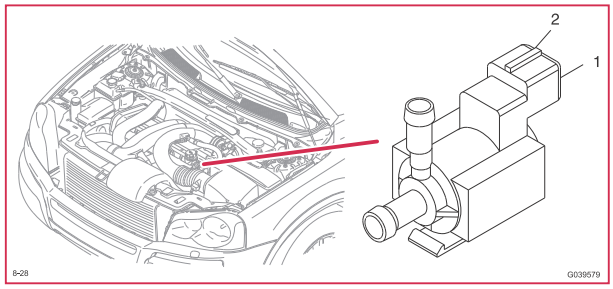
8/19 Solenoid, variable valve timing, intake



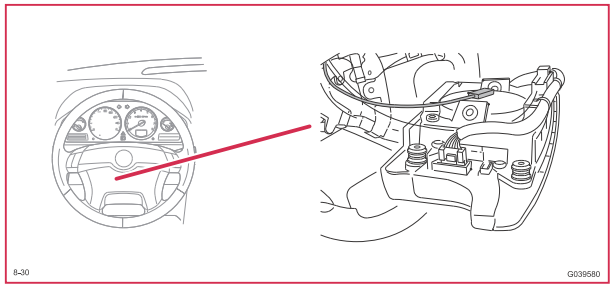
8/19 Solenoid, variable valve timing, intake, 6-Cyl.



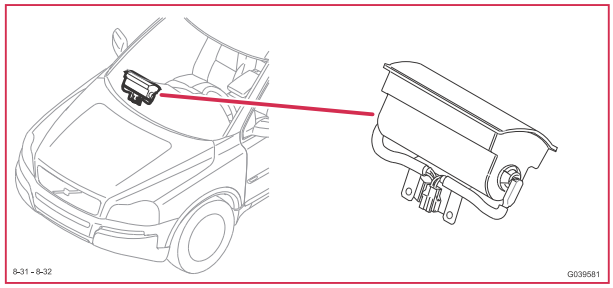
8/28 Turbocharger control valve



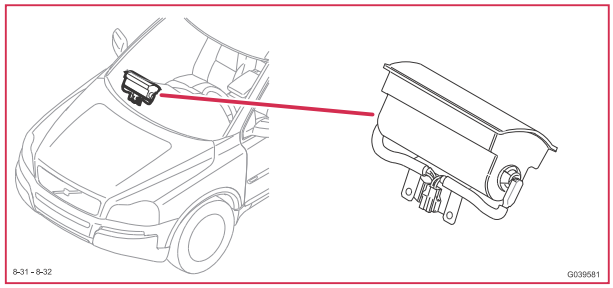
8/30 Airbag igniter, driver's side



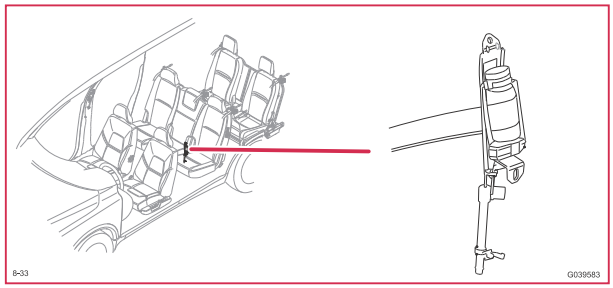
8/31 Airbag igniter, passenger side



8/32 Igniter, airbag stage 2, passenger side

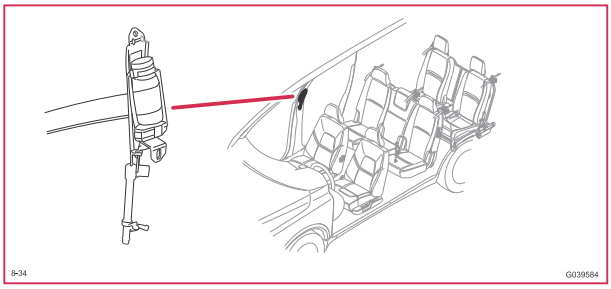


8/33 Front left belt tensioner igniter

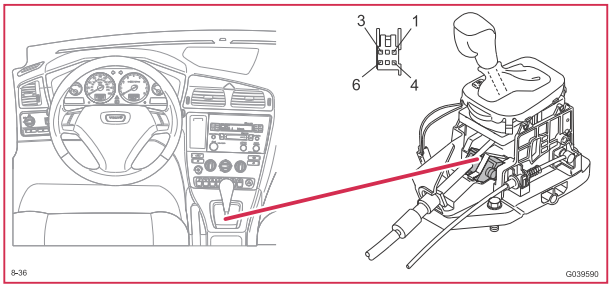


Component illustrations
8/34 - 8/40

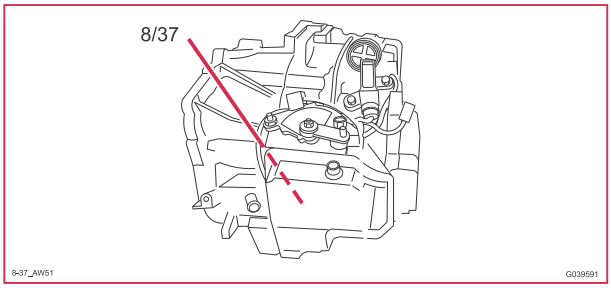
8/34 Front right seat belt tensioner igniter



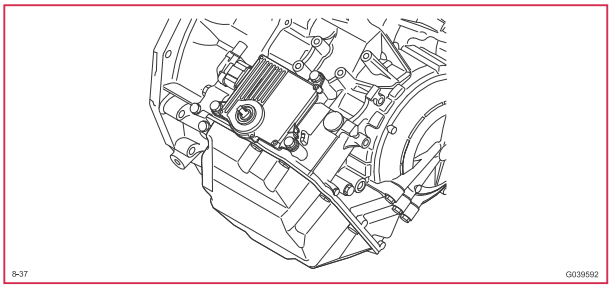
8/36 Solenoid shift lock



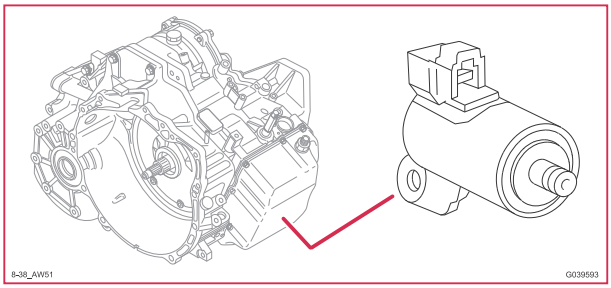
8/37 Automatic transmission AW51



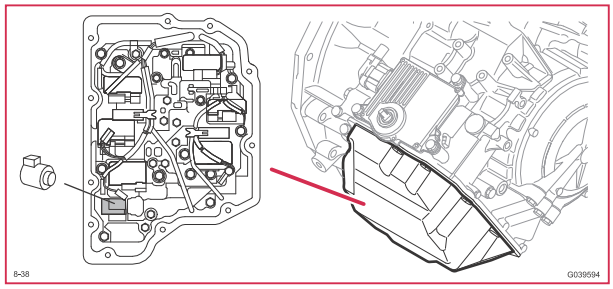
8/37 Automatic transmission TF-80SC



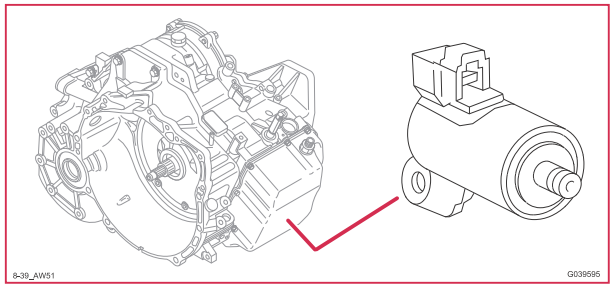
8/38 Shift solenoid 1 AW51



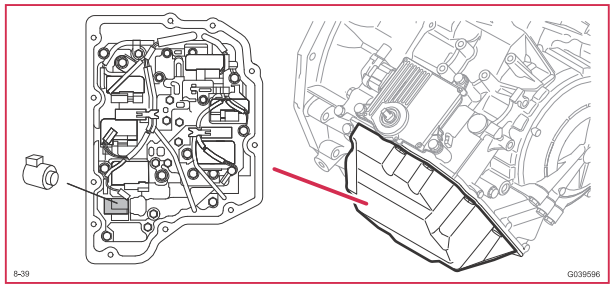
8/38 Shift solenoid 1 TF-80SC



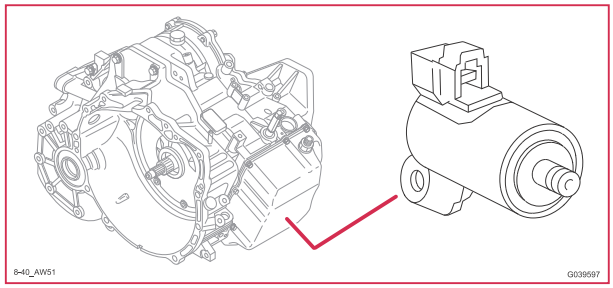
8/39 Shift solenoid 2 AW51



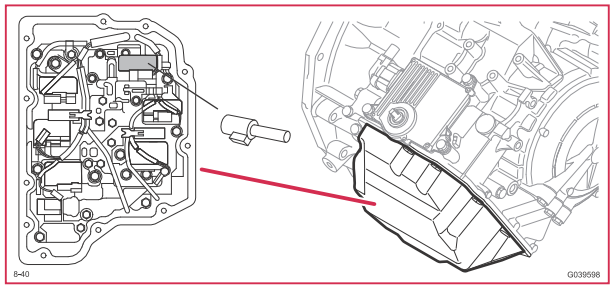
8/39 Shift solenoid 2 TF-80SC



8/40 Lock-up solenoid AW51

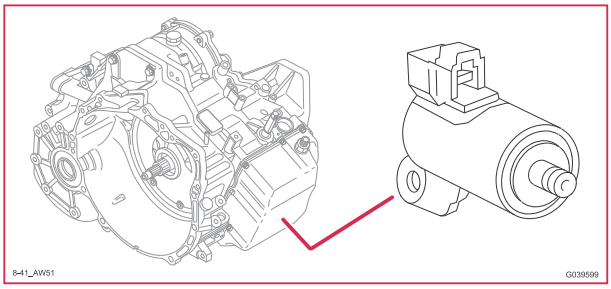


8/40 Lock-up solenoid TF-80SC

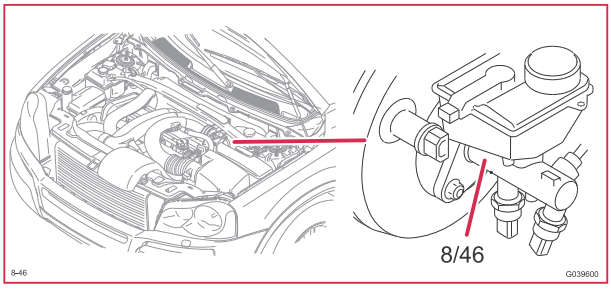


Component illustrations
8/41 - 8/66

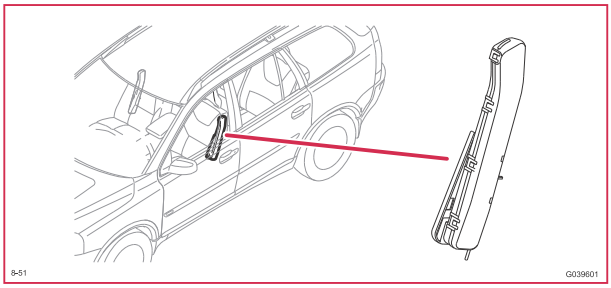
8/41 Pressure solenoid AW51



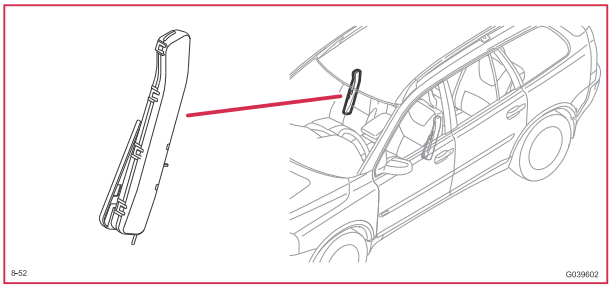
8/46 Activation unit DSTC



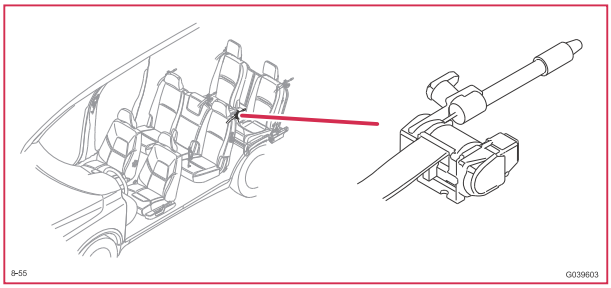
8/51 Front left side airbag igniter



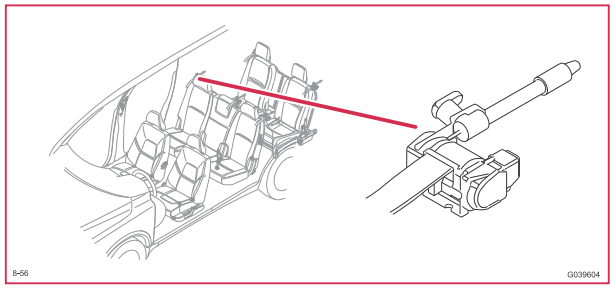
8/52 Front right side airbag igniter



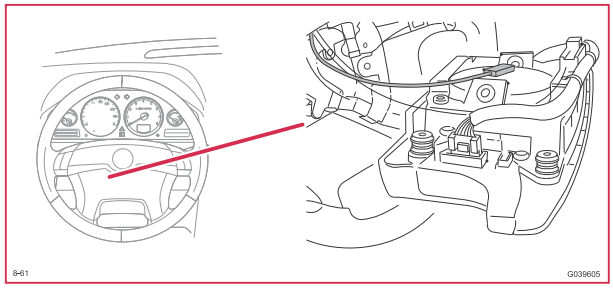
8/55 Igniter, left rear belt tensioner



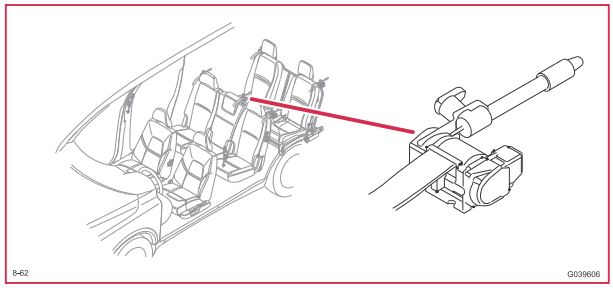
8/56 Igniter, right rear belt tensioner



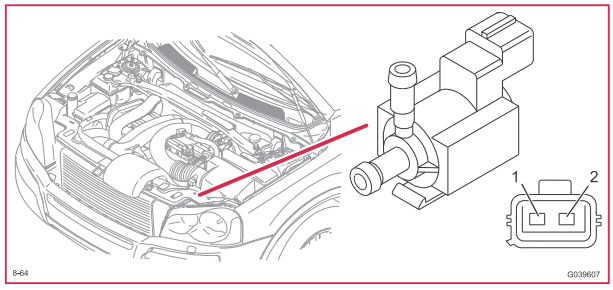
8/61 Igniter, airbag stage 2, driver's side



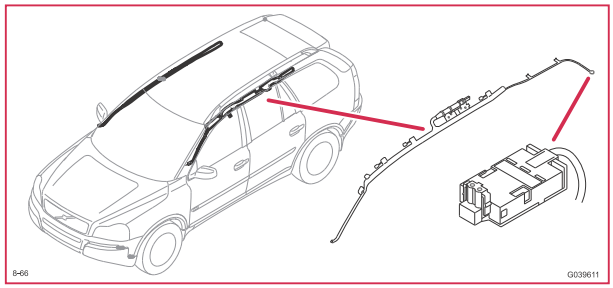
8/62 Belt tensioner igniter, center rear seat



8/64 Solenoid valve, engine pad, Diesel



8/66 Igniter, left inflatable curtain



Component illustrations
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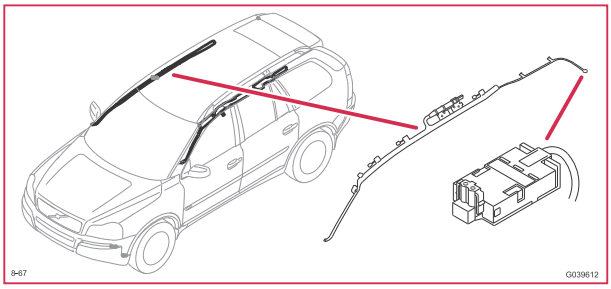
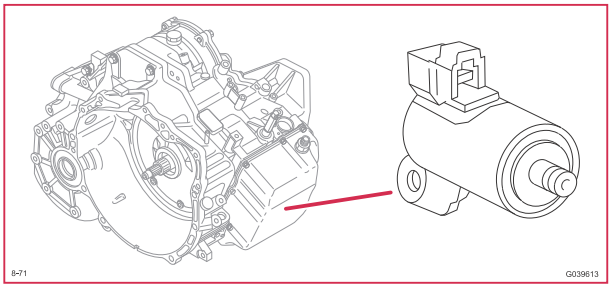
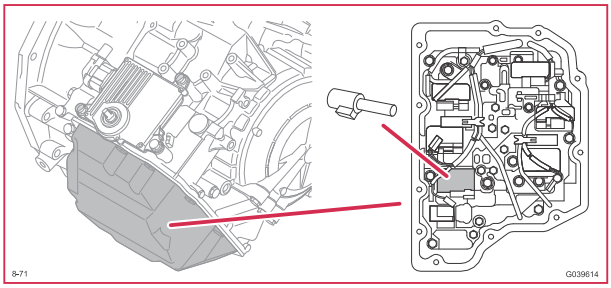
8/67 Igniter, right inflatable curtain



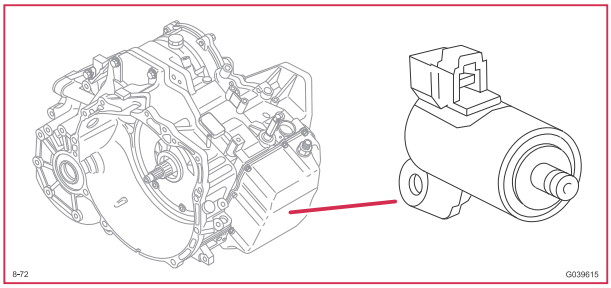
8/71 Throttle solenoid AW51



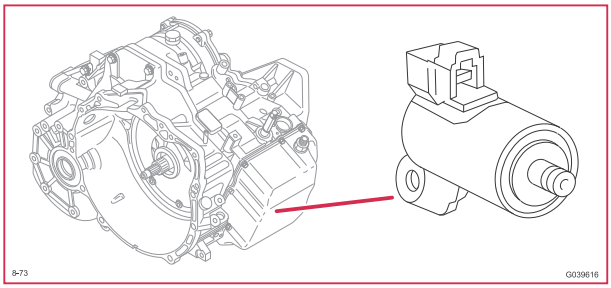
8/71 Throttle solenoid TF-80SC



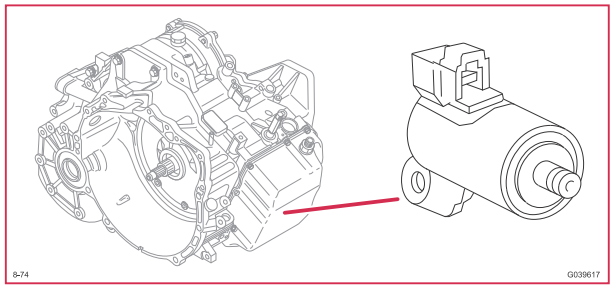
8/72 Shift solenoid 3 AW51



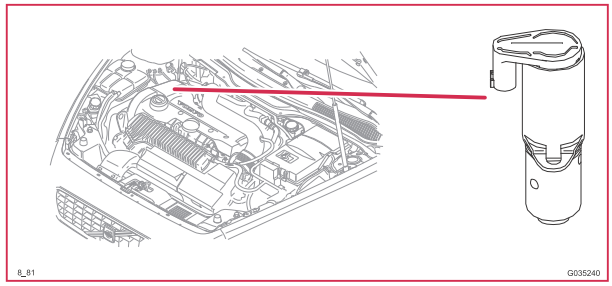
8/73 Shift solenoid 4 AW51



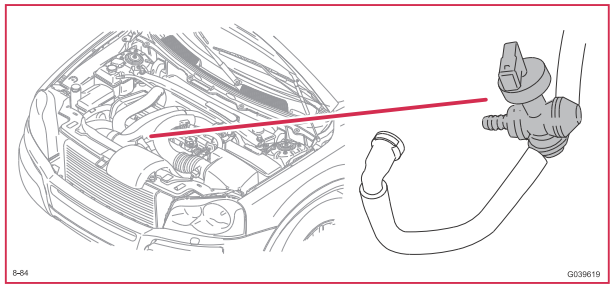
8/74 Shift solenoid 5 AW51



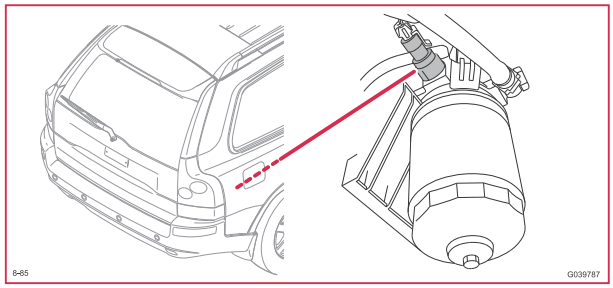
8/81 Solenoid, variable valve timing outlet



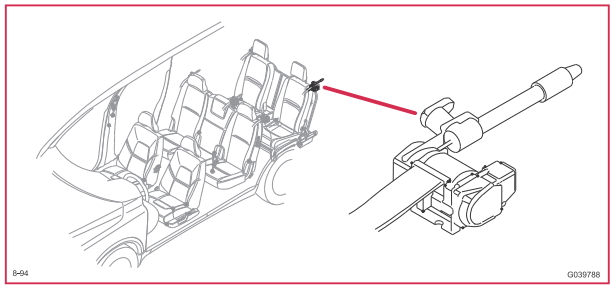
8/84 Switch, vacuum pump



8/85 Thermostatic switch and fuel filter heating



8/94 Left-hand belt tensioner igniter, third row of seats



Component illustrations
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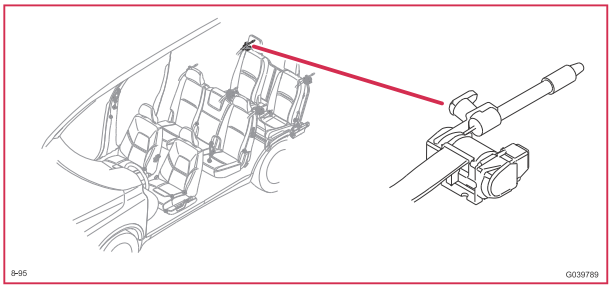
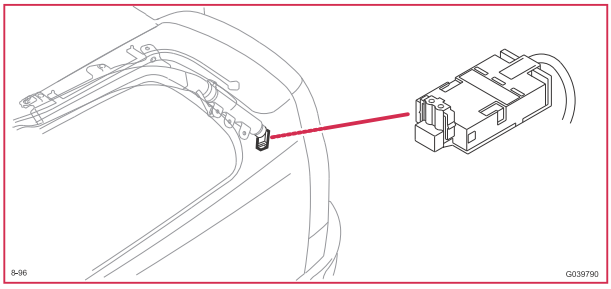
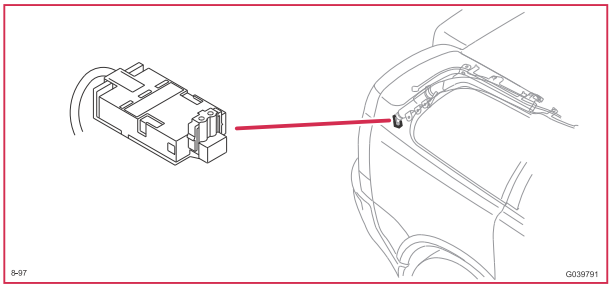
8/95 Right-hand belt tensioner igniter, third row of seats



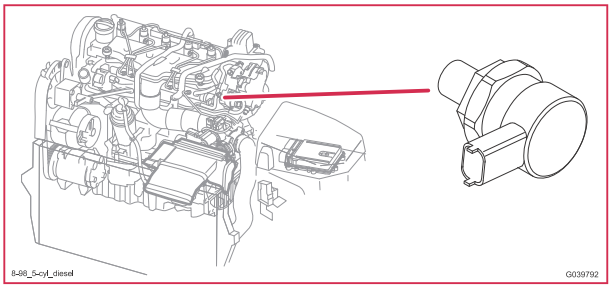
8/96 Left-hand inflatable curtain igniter, third row of seats



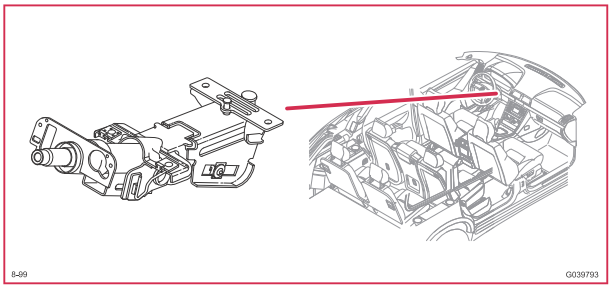
8/97 Right-hand inflatable curtain igniter, third row of seats



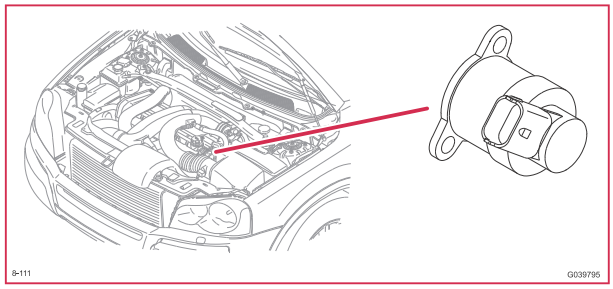
8/98 Fuel pressure control valve, Diesel



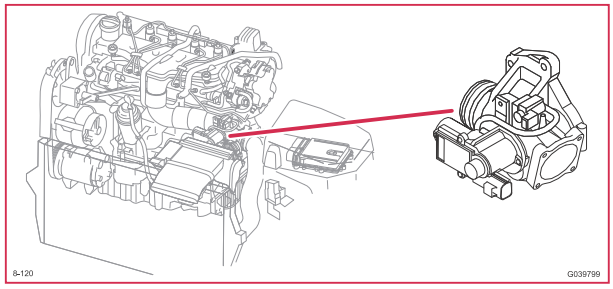
8/99 Igniter, steering column



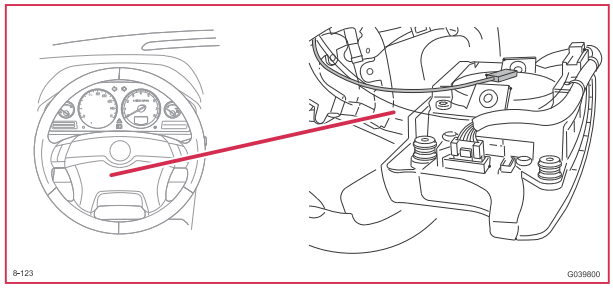
8/111 Fuel flow control valve



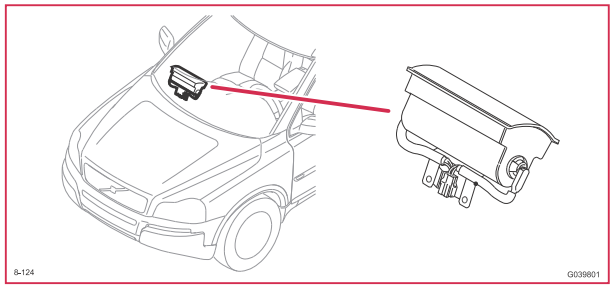
8/120 EGR valve



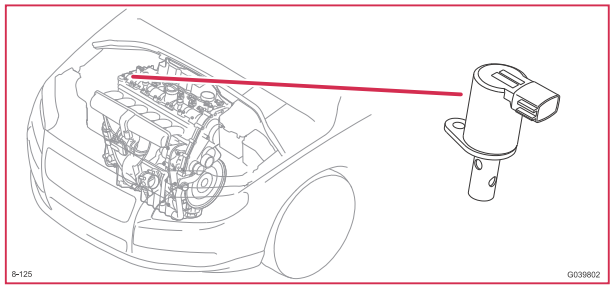
8/123 Igniter, airbag stage 3, driver's side



8/124 Igniter, airbag stage 3, passenger side

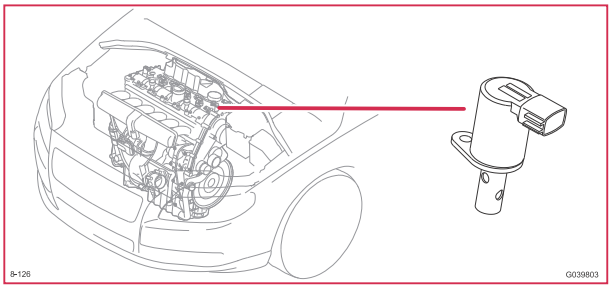


8/125 Solenoid front cam profile

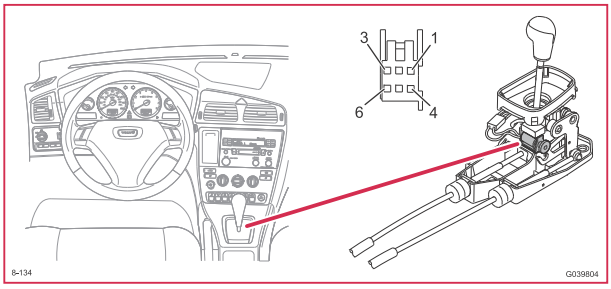


Component illustrations
8/126 - 9/13

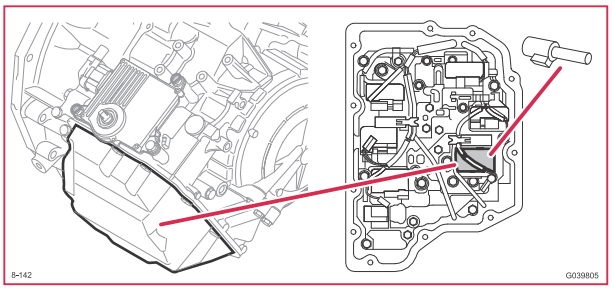
8/126 Solenoid rear cam profile



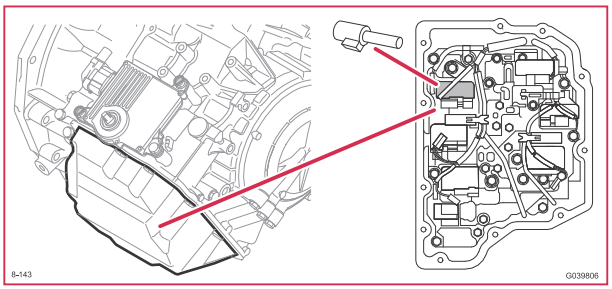
8/134 Solenoid, reverse interlock, manual



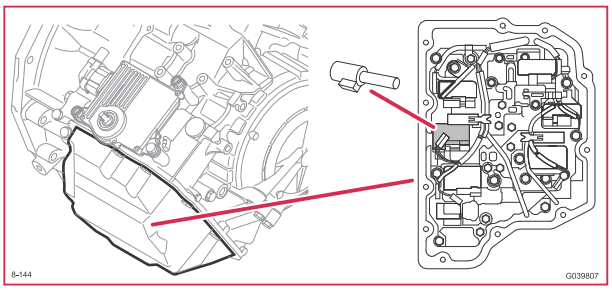
8/142 Linear pressure solenoid SLB1 TF-80SC



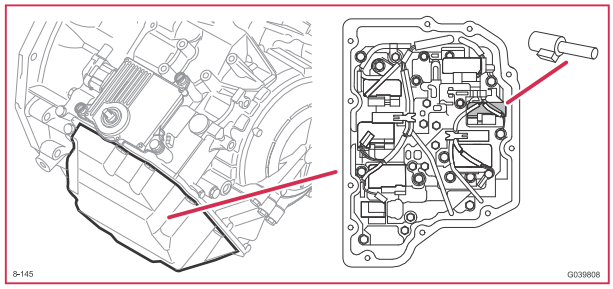
8/143 Linear pressure solenoid SLC1 TF-80SC



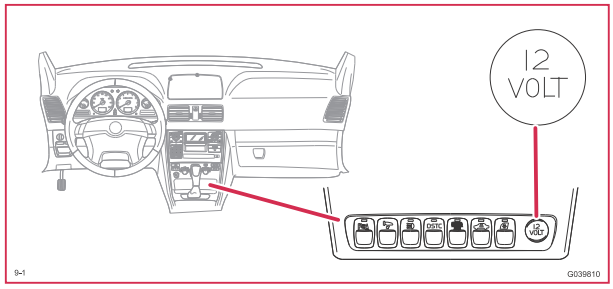
8/144 Linear pressure solenoid SLC2 TF-80SC



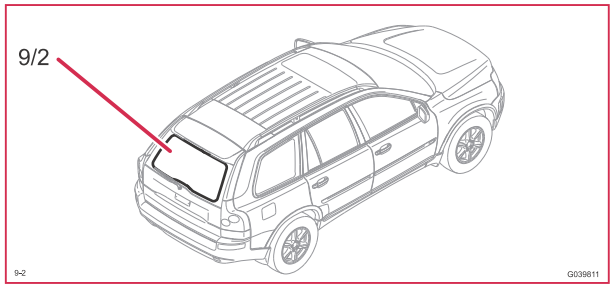
8/145 Linear pressure solenoid SLC3 TF-80SC



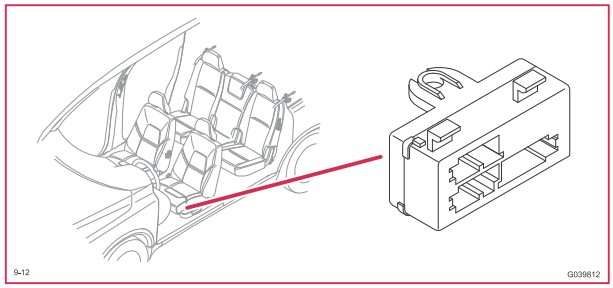
9/1 Outlet 12V front



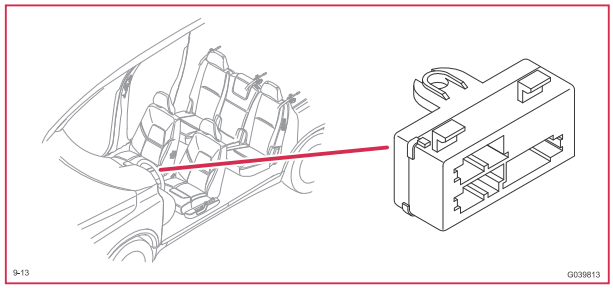
9/2 Heated rear window



9/12 Seat Heating Module (SHM), left-hand

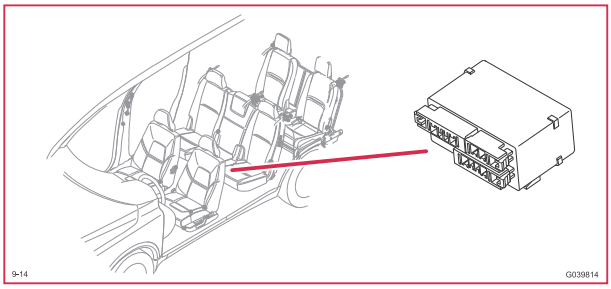


9/13 Seat Heating Module (SHM), right

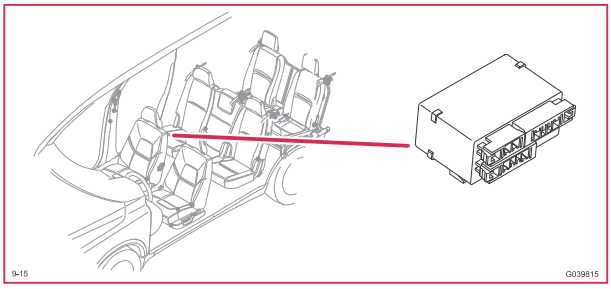


Component illustrations
9/14 - 9/33

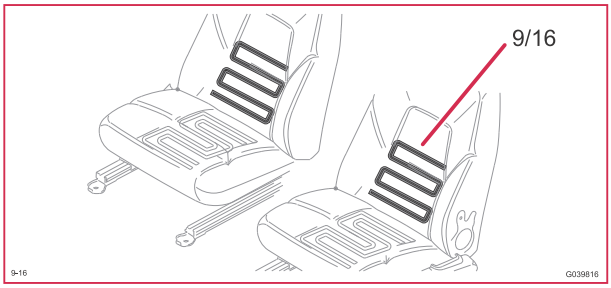
9/14 Control module, rear left seat heater



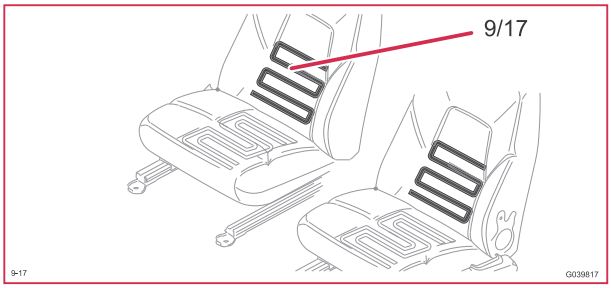
9/15 Control module, rear right seat heater



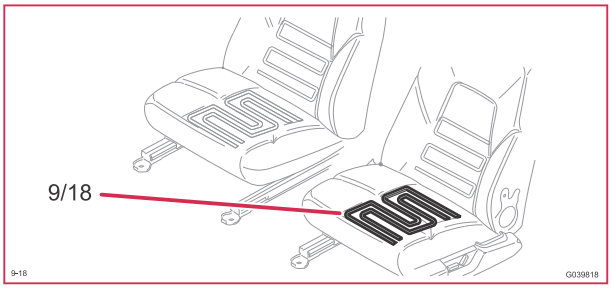
9/16 Left-hand backrest heating element



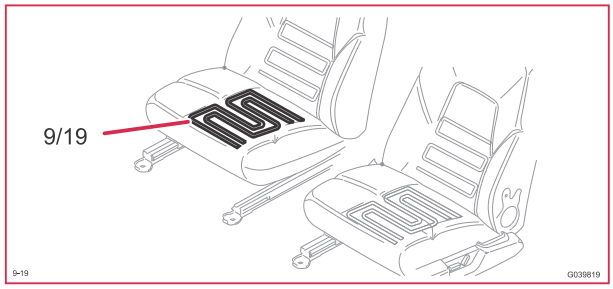
9/17 Right-hand backrest heating element



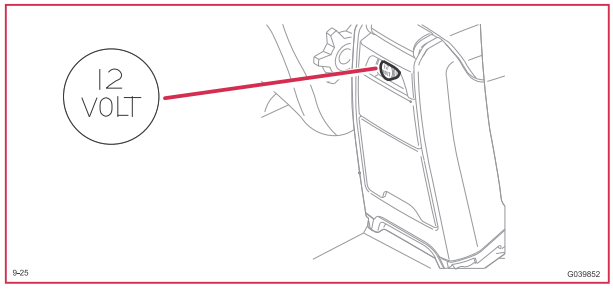
9/18 Left-hand seat heating element



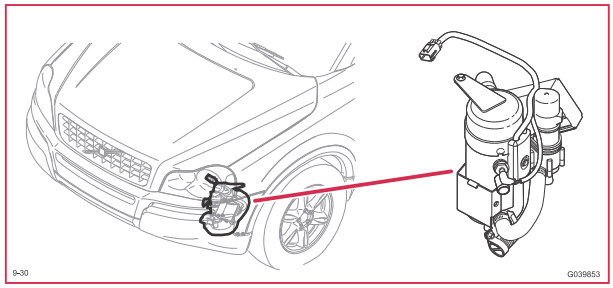
9/19 Right-hand seat heating element



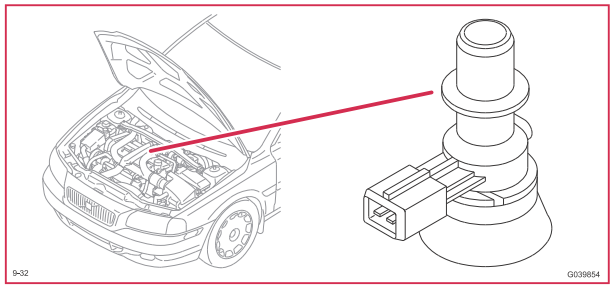
9/25 Outlet 12V rear



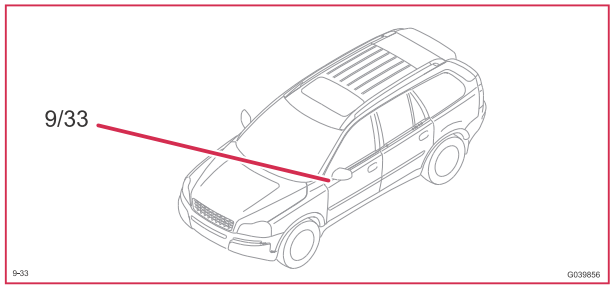
9/30 Auxiliary heater



9/32 PTC resistor, crankcase ventilation

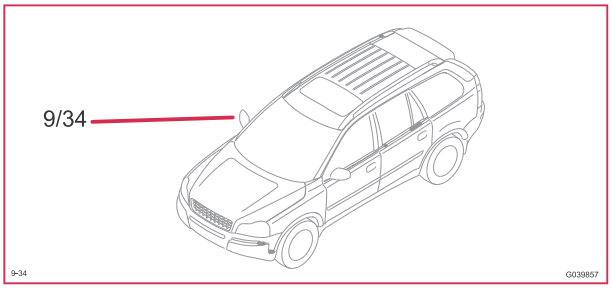


9/33 Left heated exterior rearview mirror

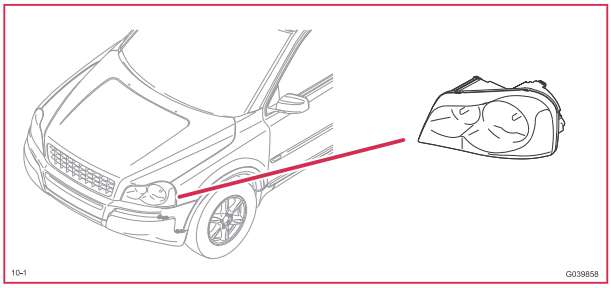


Component illustrations
9/34 - 10/14

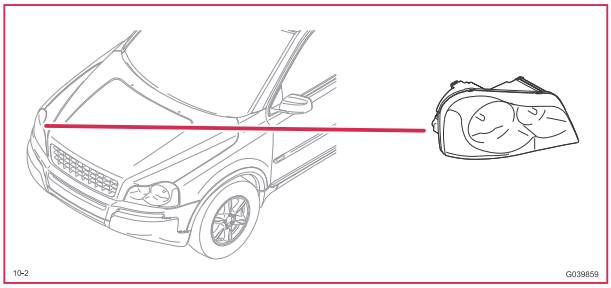
9/34 Right heated exterior rearview mirror



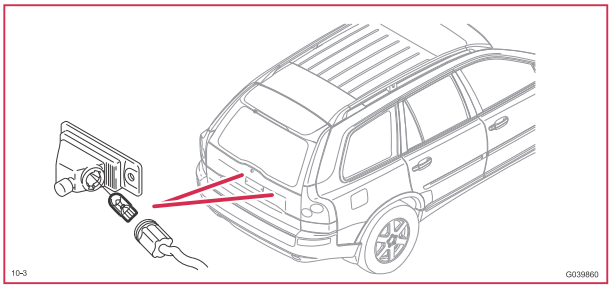
10/1 Lamp housing, front left



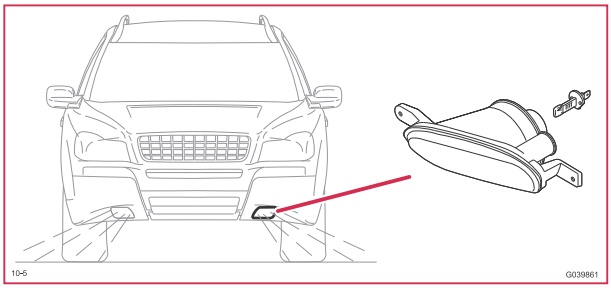
10/2 Lamp housing, front right



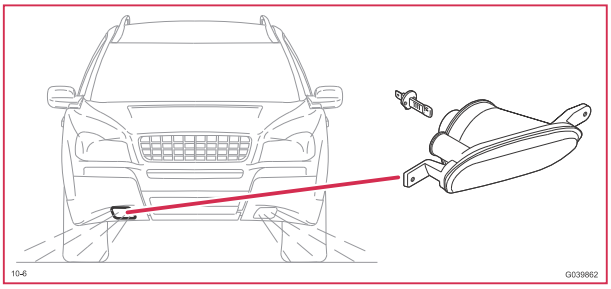
10/3 License plate lighting



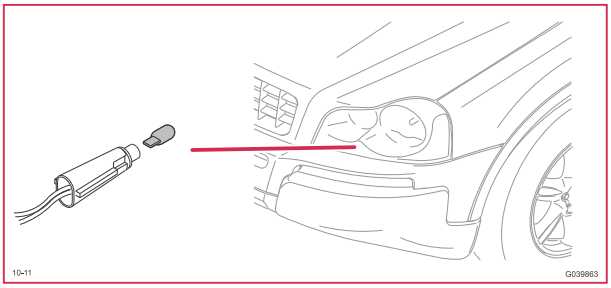
10/5 Fog light, front left



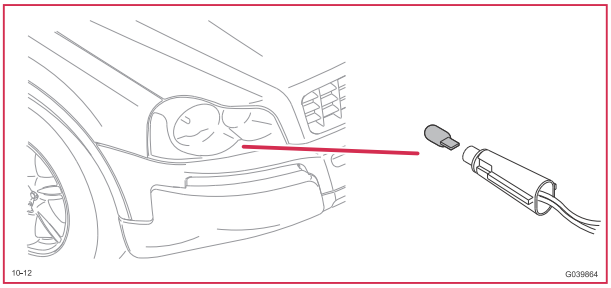
10/6 Fog light, front right



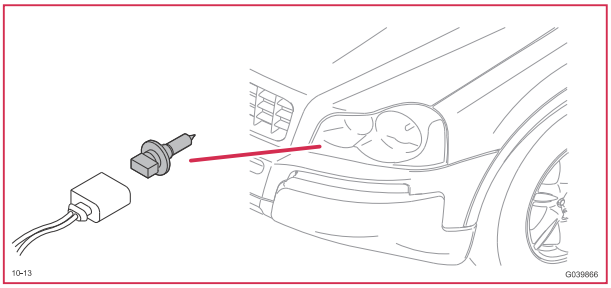
10/11 Running/parking light, front left



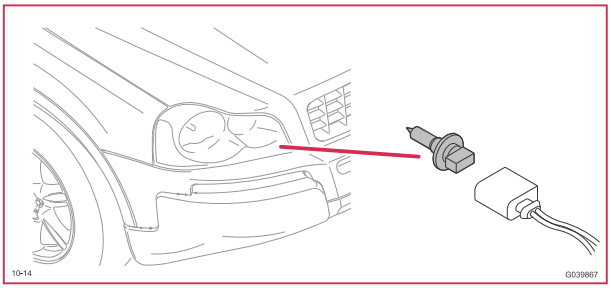
10/12 Running/parking light, front right



10/13 Direction indicator, front left

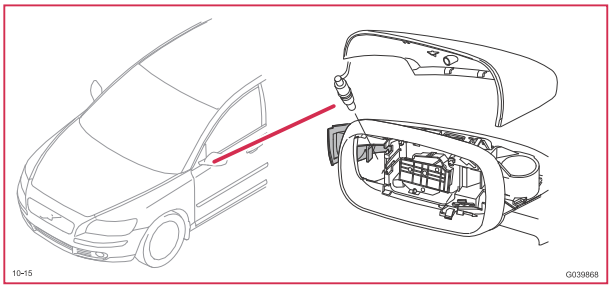


10/14 Direction indicator, front right

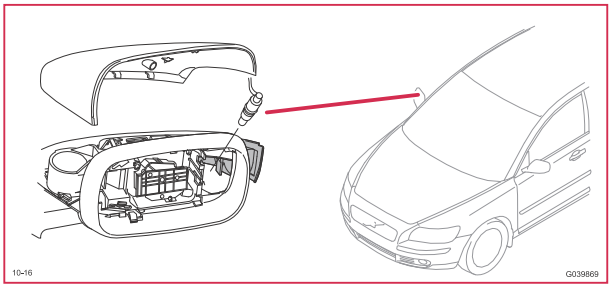


Component illustrations
10/15 - 10/47

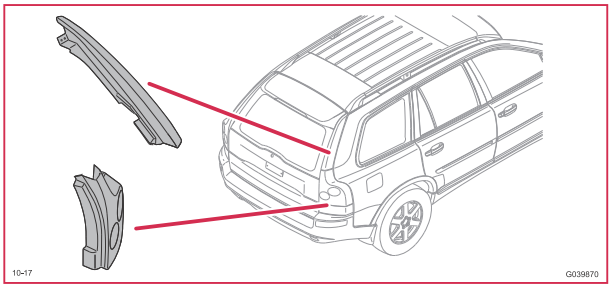
10/15 Direction indicator, left door mirror



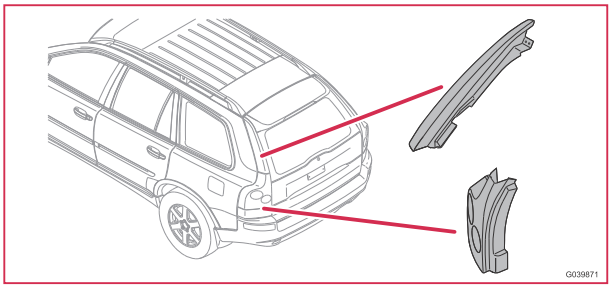
10/16 Direction indicator, right door mirror



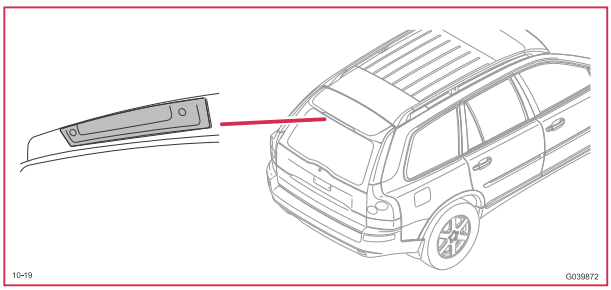
10/17 Lamp housing, rear right



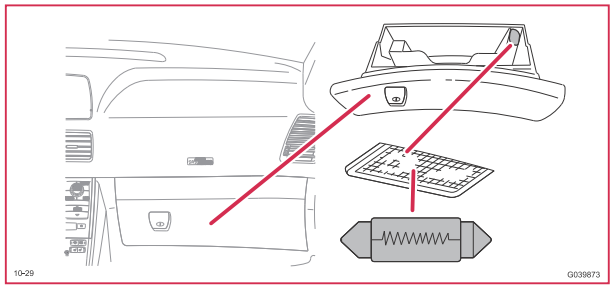
10/18 Lamp housing, rear left



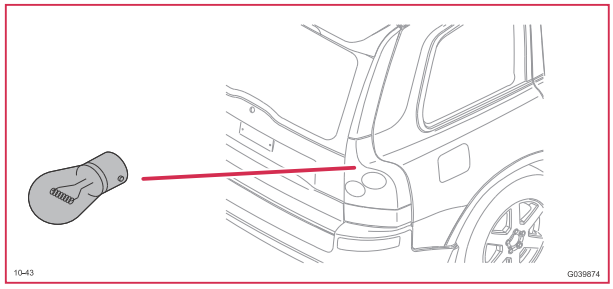
10/19 Auxiliary brake light



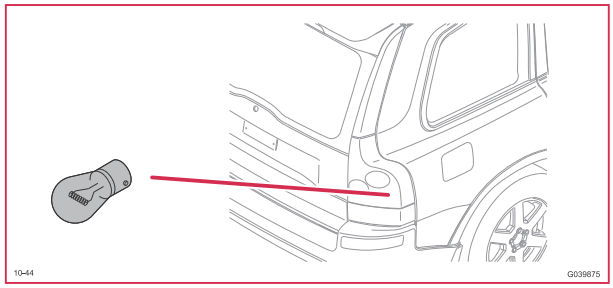
10/29 Glove compartment lighting



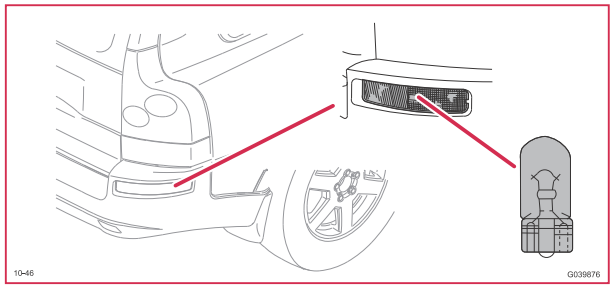
10/43 Brake light, right



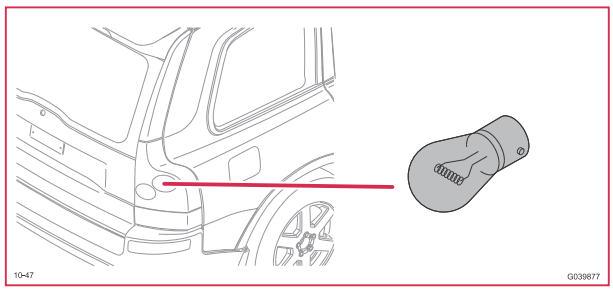
10/44 Tail lamp 1 right



10/46 Fog light, rear right



10/47 Direction indicator, right rear



Component illustrations
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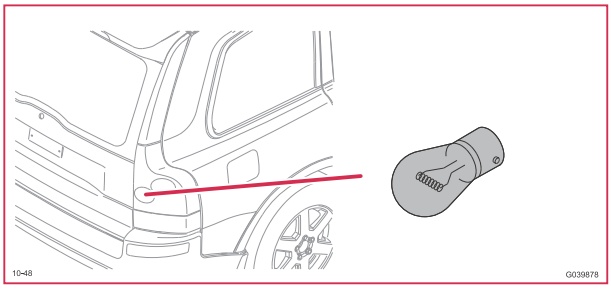
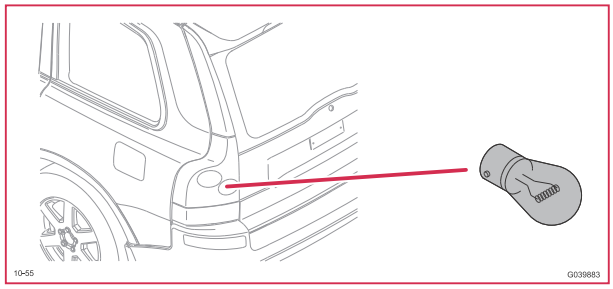
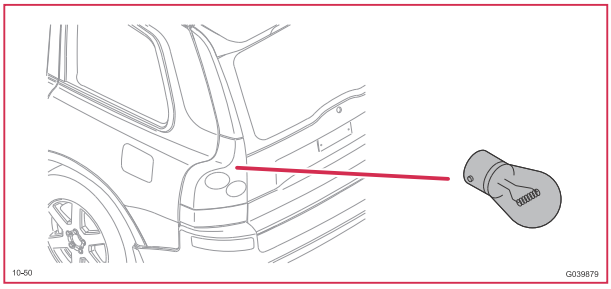
10/48 Right-hand reversing light



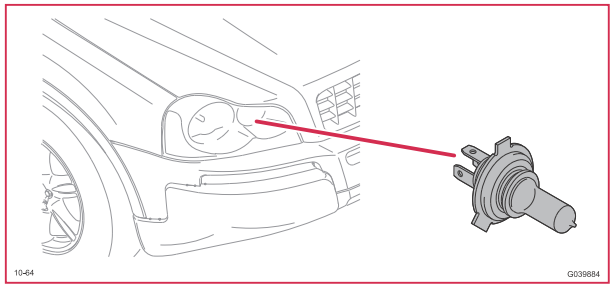
10/55 Left-hand reversing light



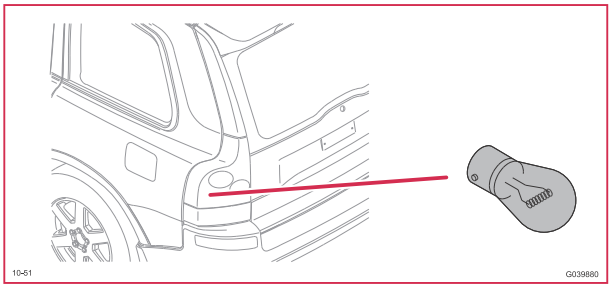
10/50 Brake light, left



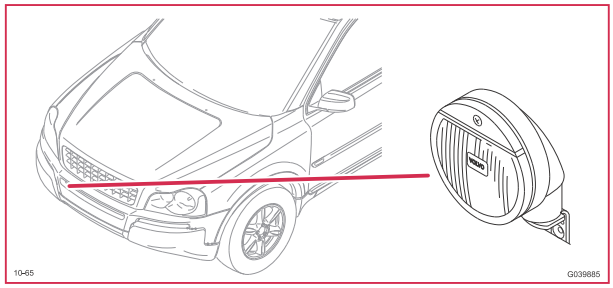
10/64 High beam, right



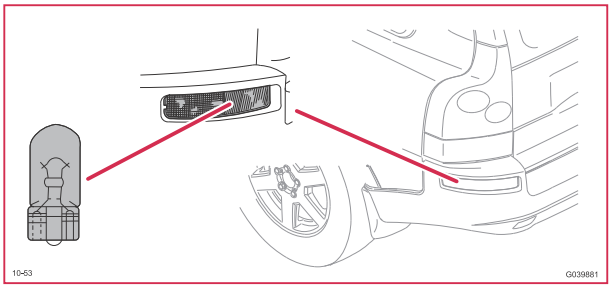
10/51 Tail lamp 1 left



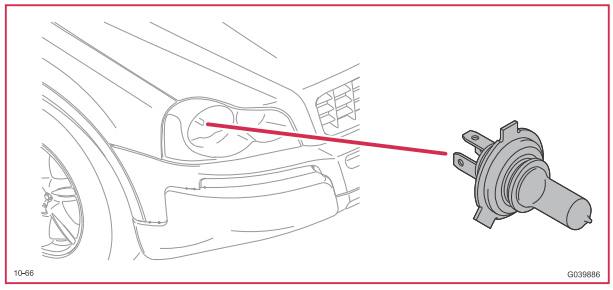
10/65 Auxiliary light, front right



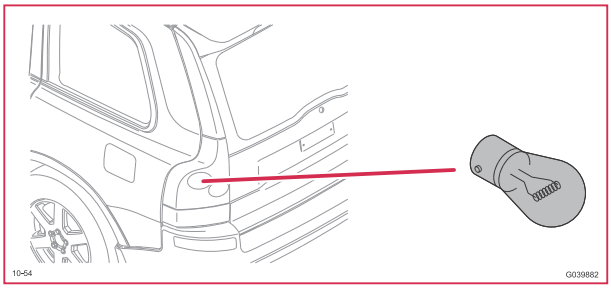
10/53 Fog light, rear left



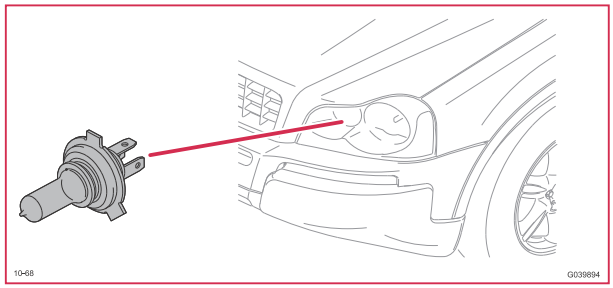
10/66 Low beam, right



10/54 Direction indicator, left rear

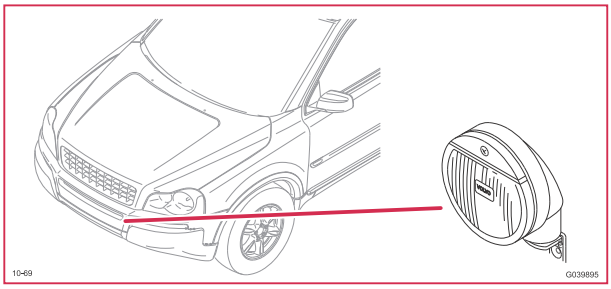


10/68 High beam, left

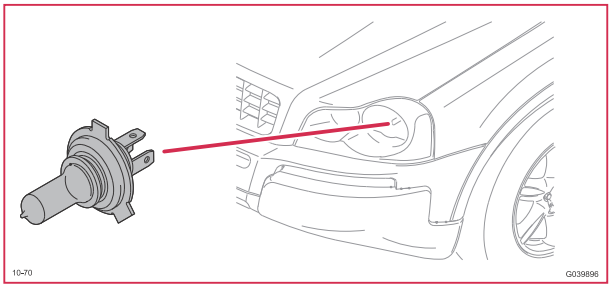


Component illustrations
10/69 - 10/149

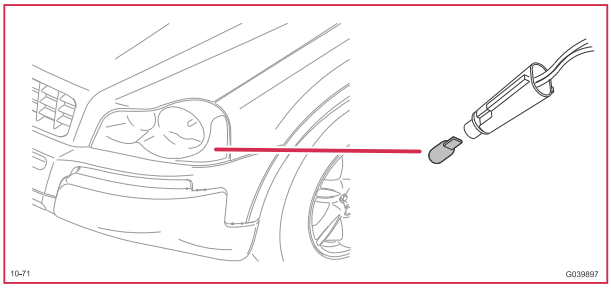
10/69 Auxiliary light, front left



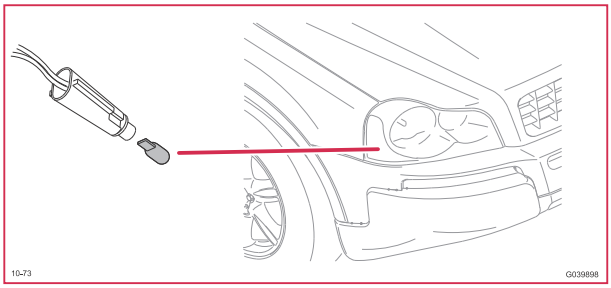
10/70 Low beam, left



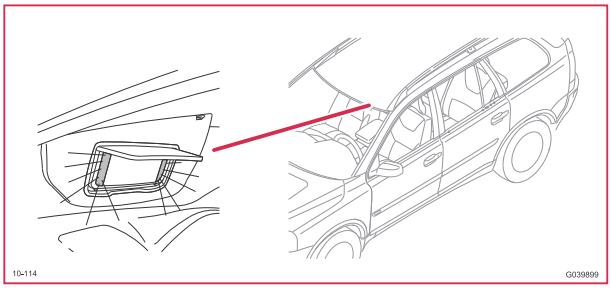
10/71 Side running light, front left



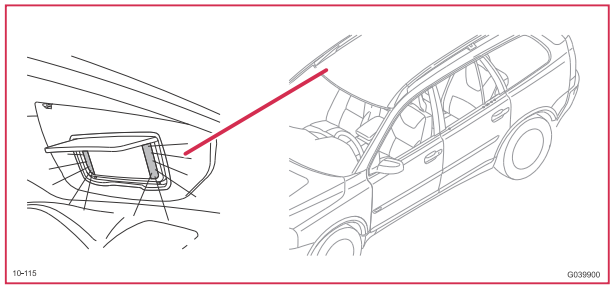
10/73 Side running light, front right



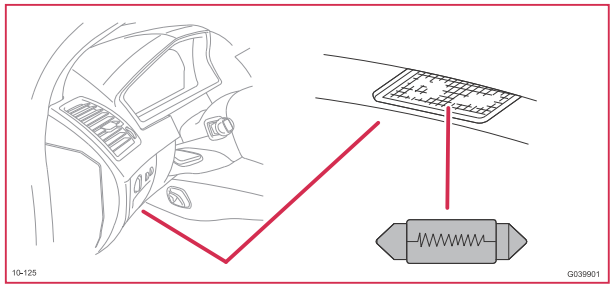
10/114 Vanity mirror lighting, left



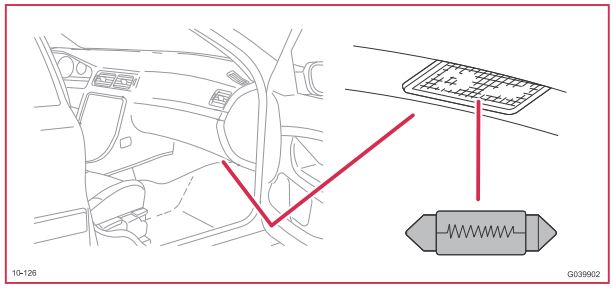
10/115 Vanity mirror lighting, right



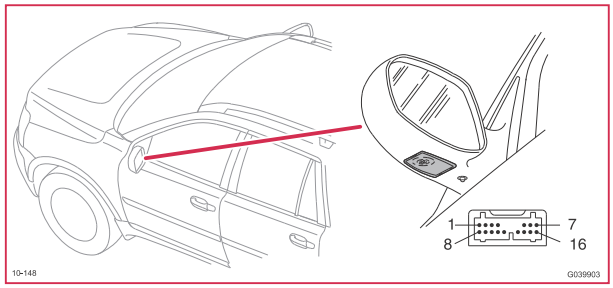
10/125 Left-hand front courtesy lighting



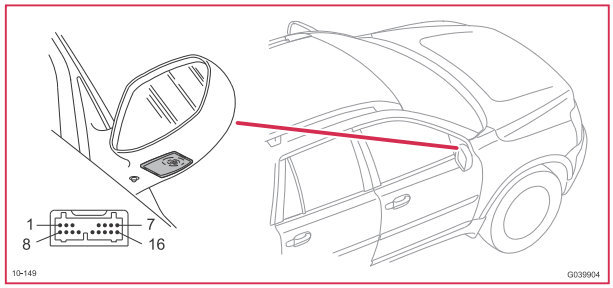
10/126 Right-hand front courtesy lighting



10/148 Left exterior rearview mirror lighting

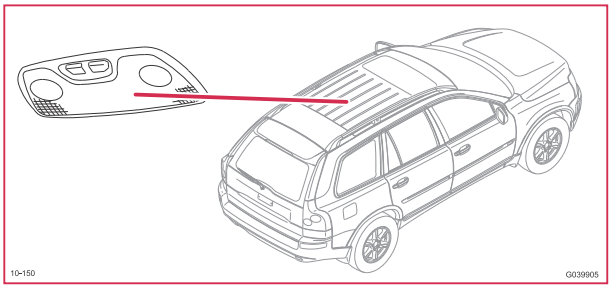


10/149 Right exterior rearview mirror lighting

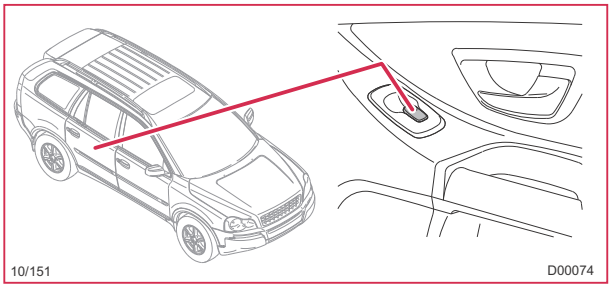


Component illustrations
10/150 - 11L/1

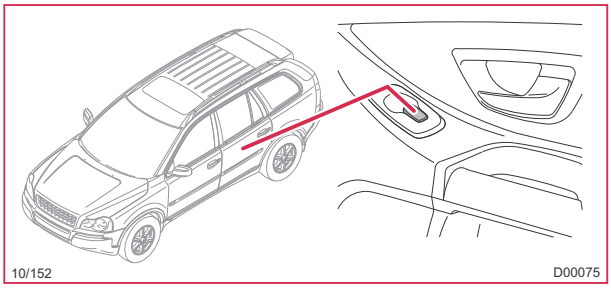
10/150 Rear reading light



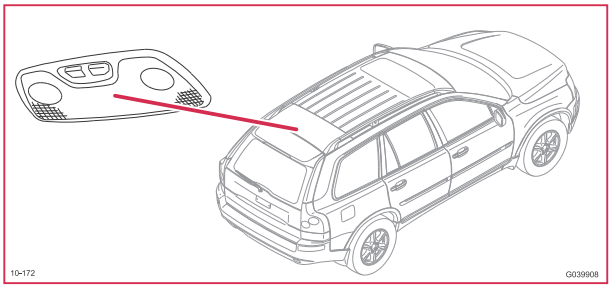
10/151 Lighting switch, rear left door



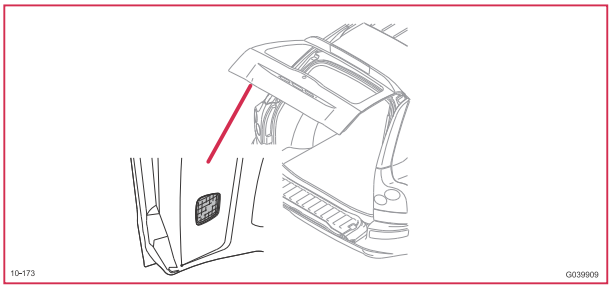
10/152 Lighting switch, right rear door



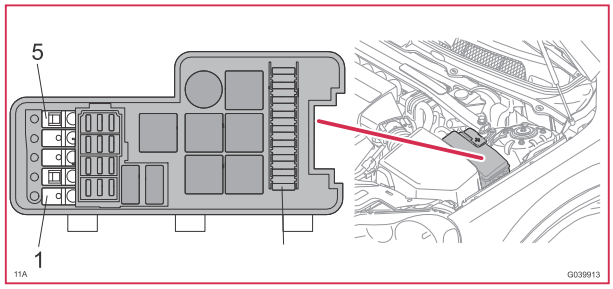
10/172 Reading light, third row of seats



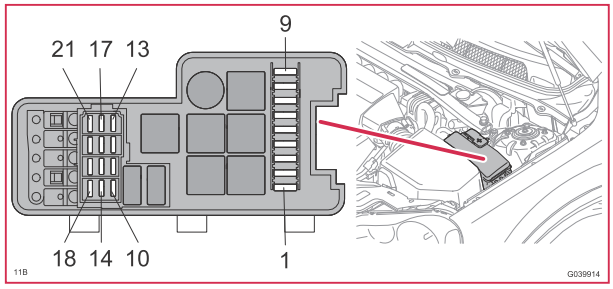
10/173 Cargo compartment lighting, tailgate



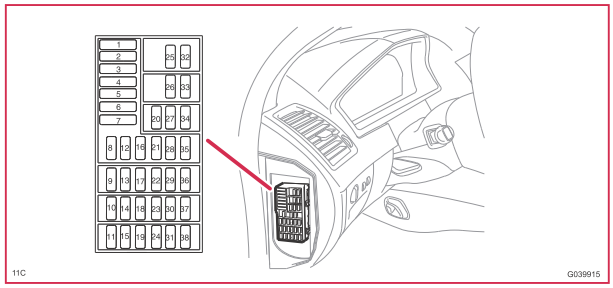
11A/no. Main fuses in engine compartment fuse box



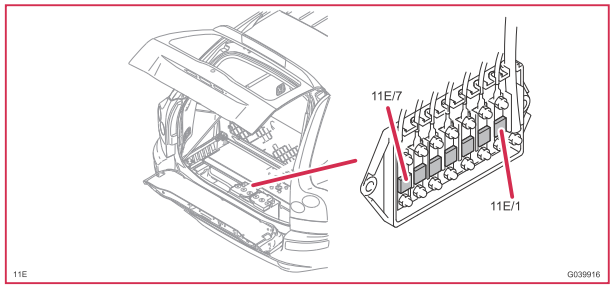
11B/no. Fuses in engine compartment fuse box



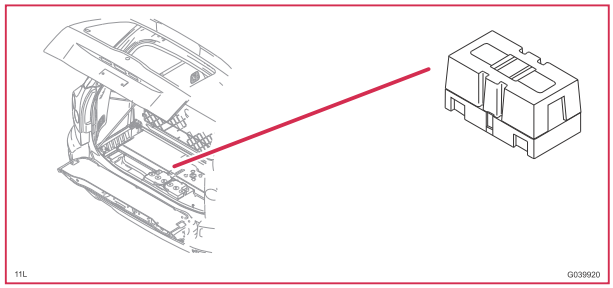
11C/no. Fuses in passenger compartment fuse box



11E/no. Main fuses at battery

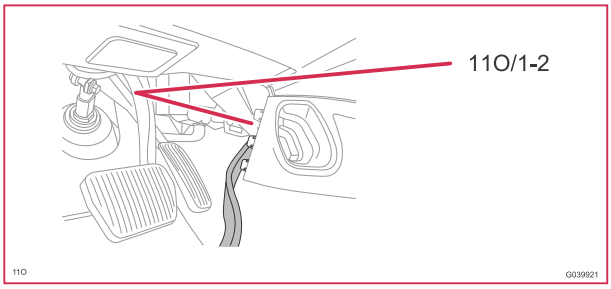


11L/1 Fuse, Diesel

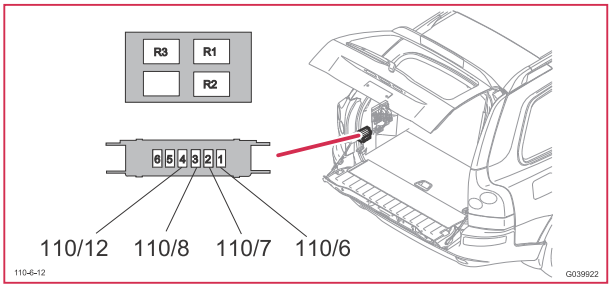


Component illustrations
11O/1 - 16/16

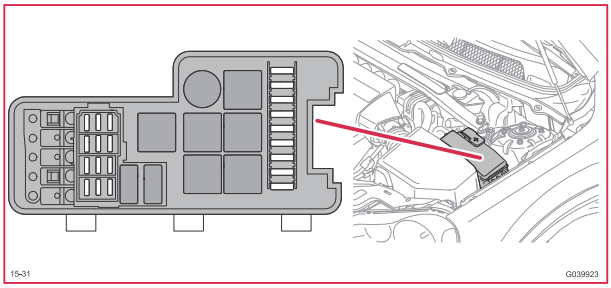
11O/1-2 Fuses in spare fuse holder, passenger compartment



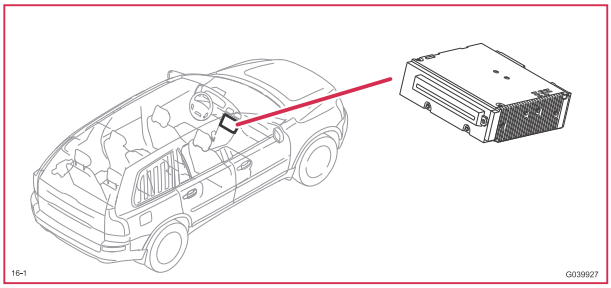
11O/6-12 Fuses in spare fuse holder, passenger compartment



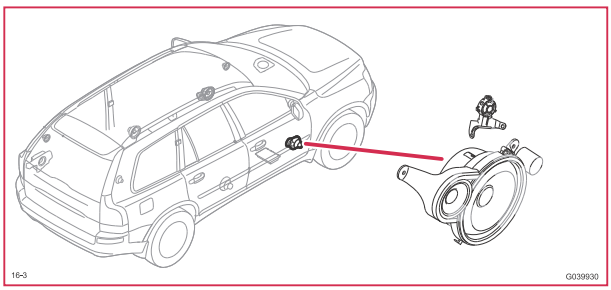
15/31 Distribution box in engine compartment



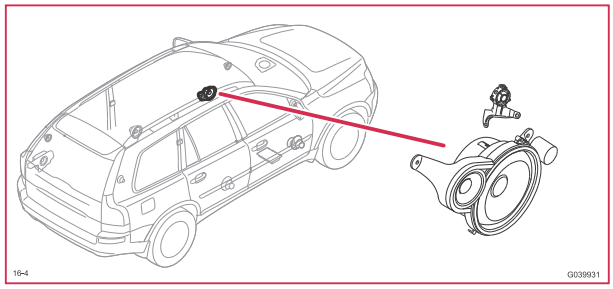
16/1 Integrated Audio Module (IAM)



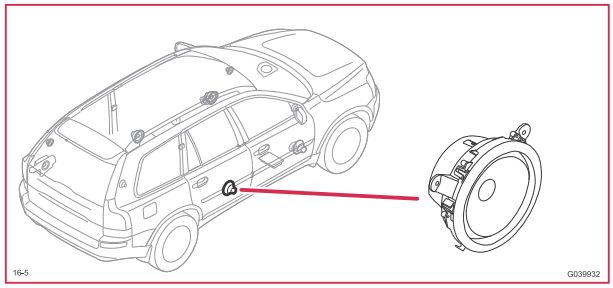
16/3 Right-hand front door speaker



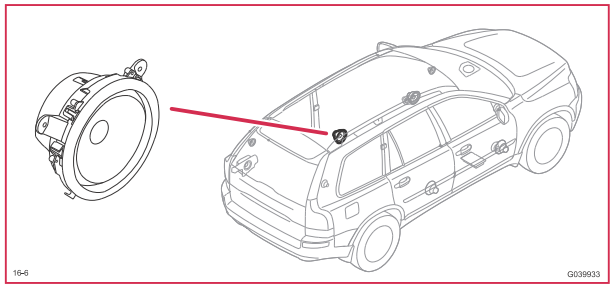
16/4 Left-hand front door speaker



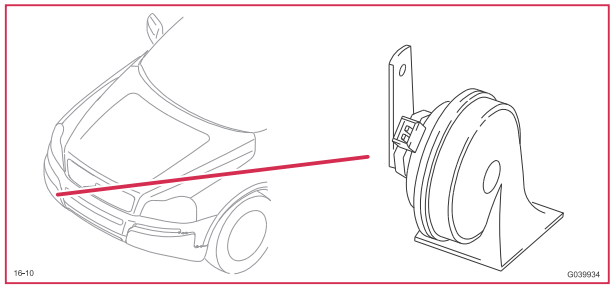
16/5 Speaker, right rear door



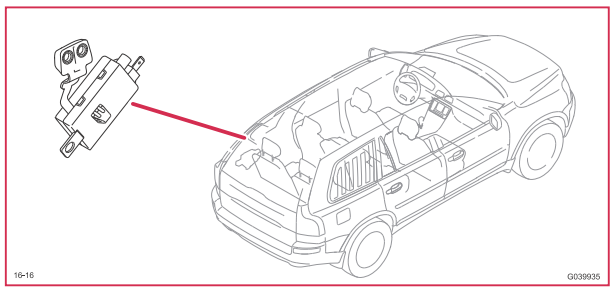
16/6 Speaker, left rear door



16/10 Horn 1

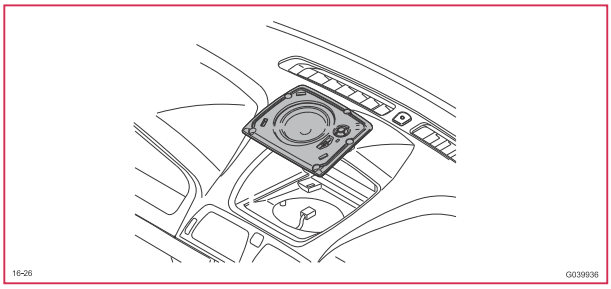


16/16 LH window antenna amplifier 1

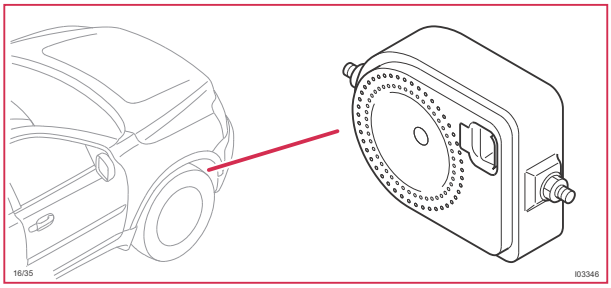


Component illustrations
16/26 - 16/56

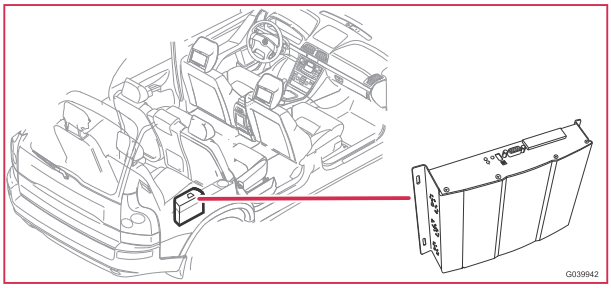
16/26 Speaker, dashboard middle



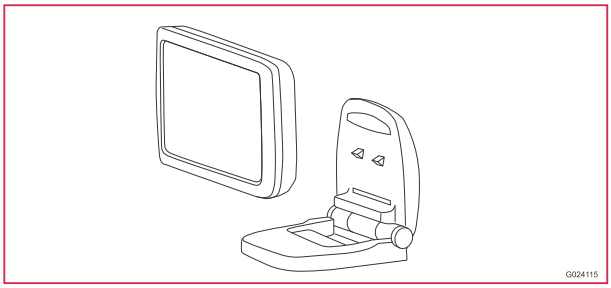
16/35 Siren Control Module (SCM)



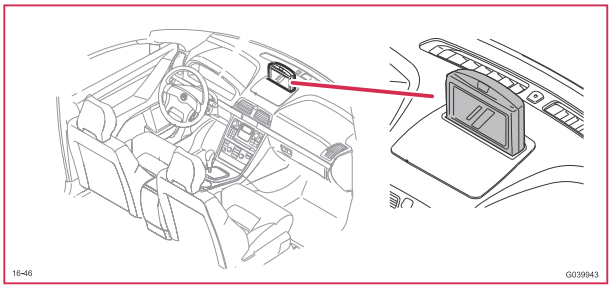
16/36 TV receiver



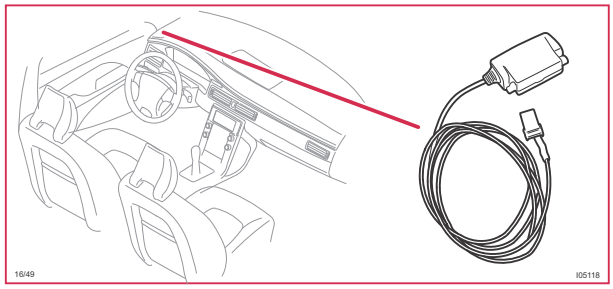
16/45 Portable navigation system



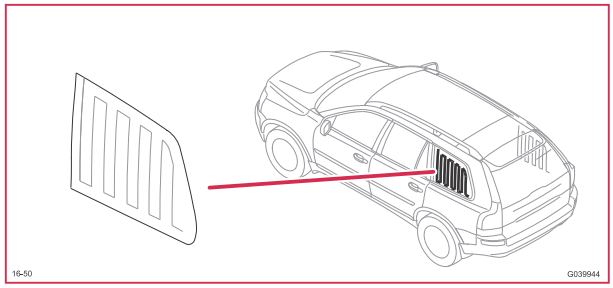
16/46 Multimedia display



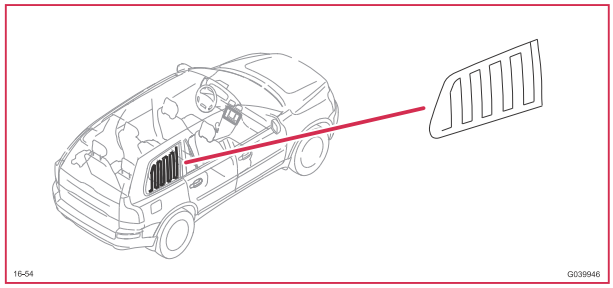
16/49 Control module traffic message



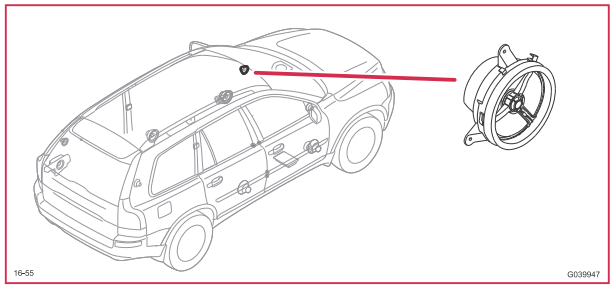
16/50 Left-hand rear window antenna



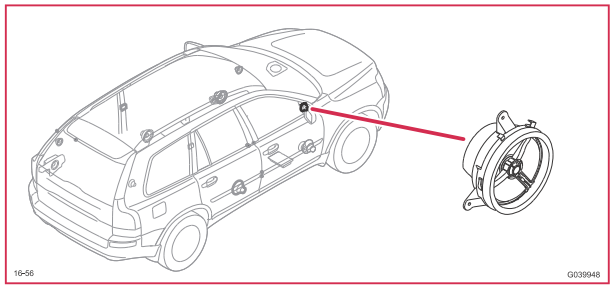
16/54 Right-hand rear window antenna



16/55 Treble speaker, left front door

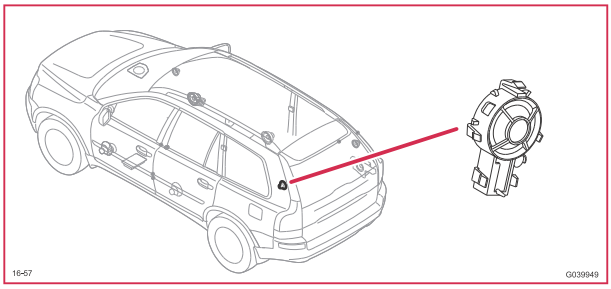


16/56 Treble speaker, right front door

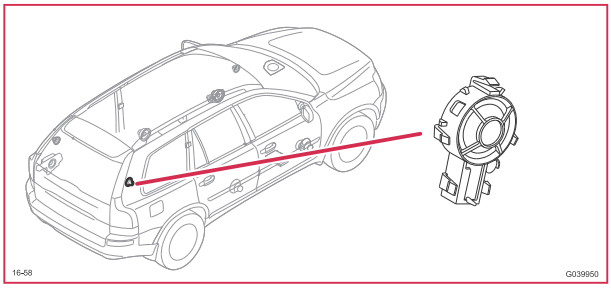


Component illustrations
16/57 - 16/77

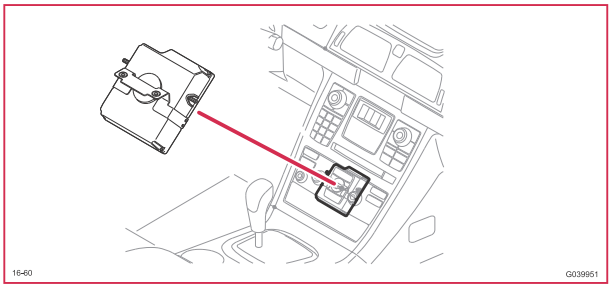
16/57 Speaker, left-hand D-post



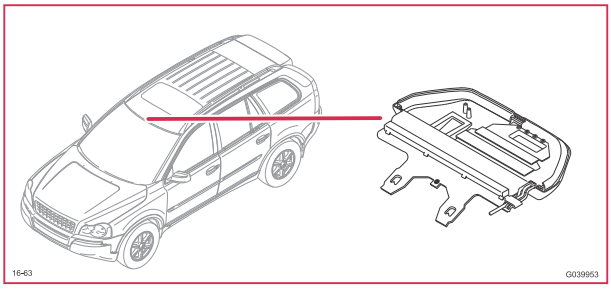
16/58 Speaker, right-hand D-post



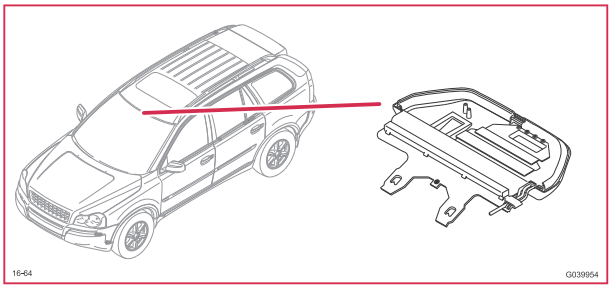
16/60 Phone Module (PHM)



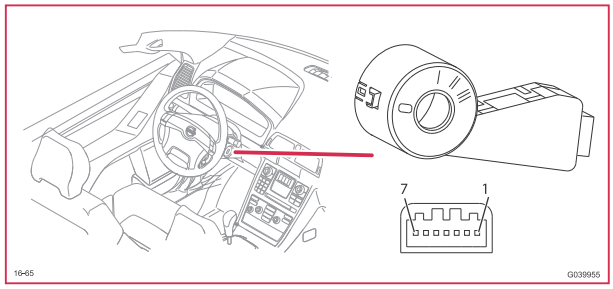
16/63 GPS antenna, cellular phone



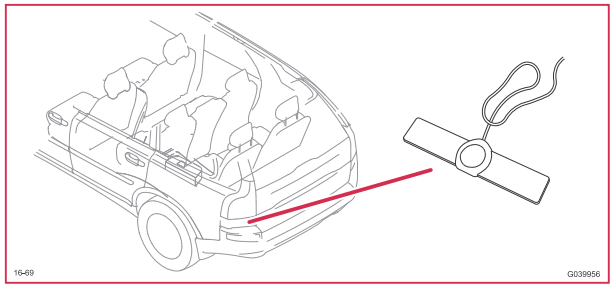
16/64 Antenna, cellular phone



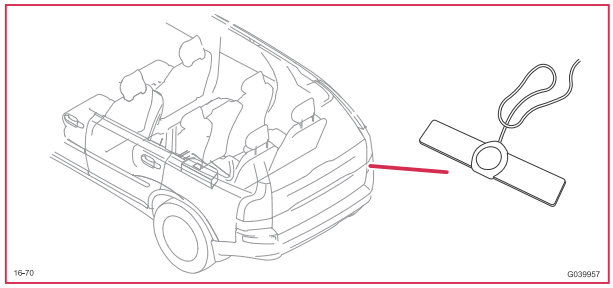
16/65 Antenna ring/ignition switch illumination



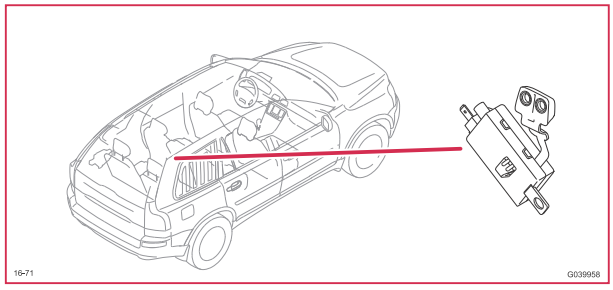
16/69 TV antenna left



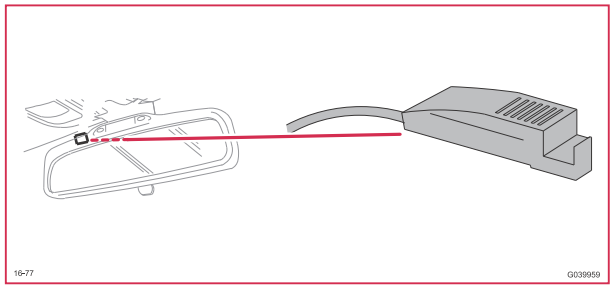
16/70 TV antenna right



16/71 Window antenna amplifier 1, right

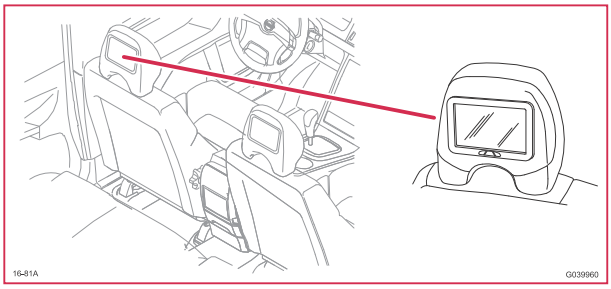


16/77 Microphone, cellular phone

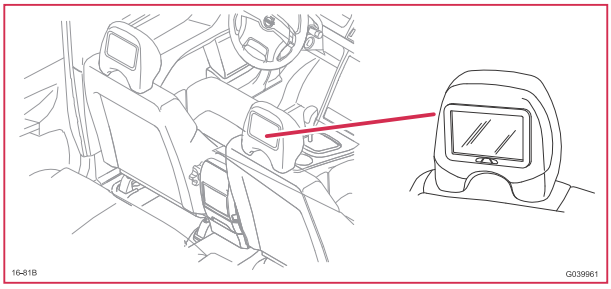


Component illustrations
16/81A - 16/127

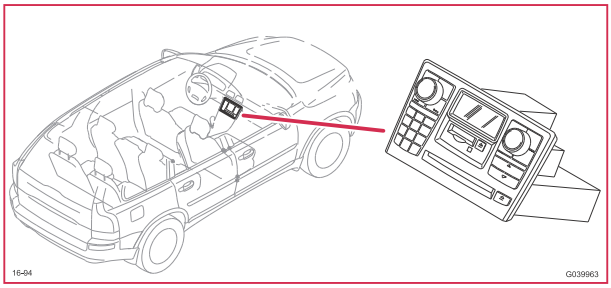
16/81A Screen, LH head restraint



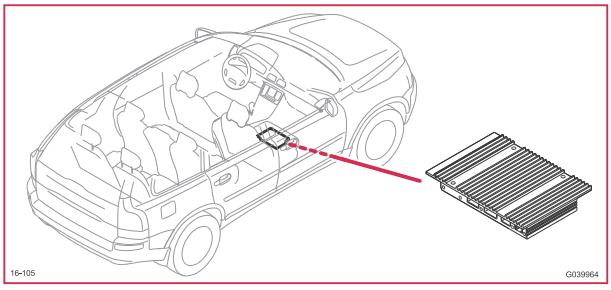
16/81B Screen, RH head restraint



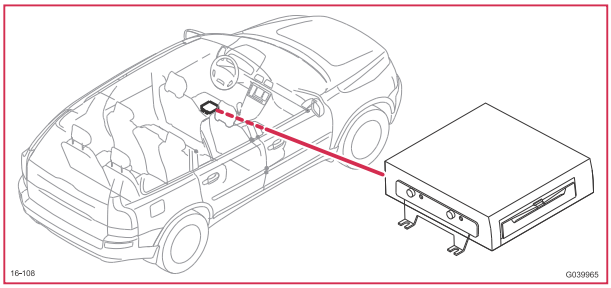
16/94 Infotainment Control Module (ICM)



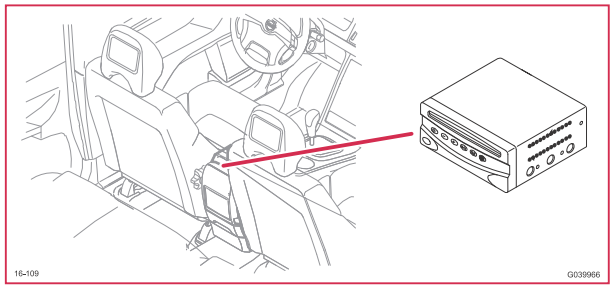
16/105 Audio Module (AUD)



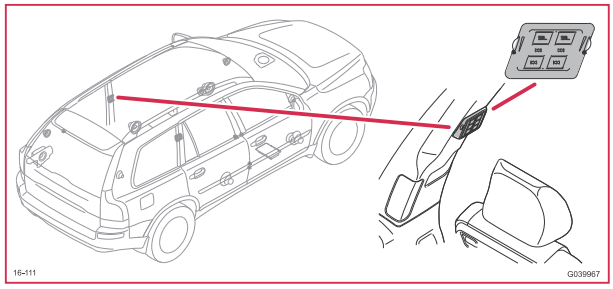
16/108 Multimedia Module (MMM)



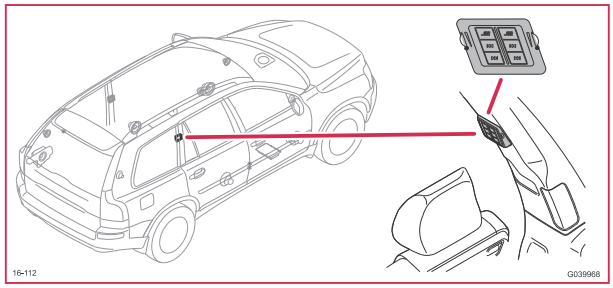
16/109 DVD player/control module



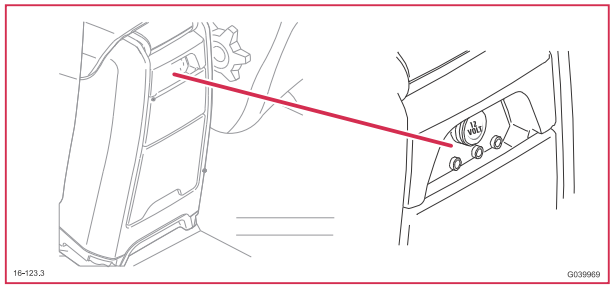
16/111 Outlet, rear left headphones



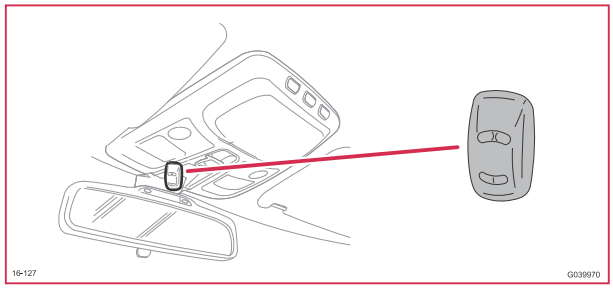
16/112 Outlet, rear right headphones



16/123.3 RSE-AUX input

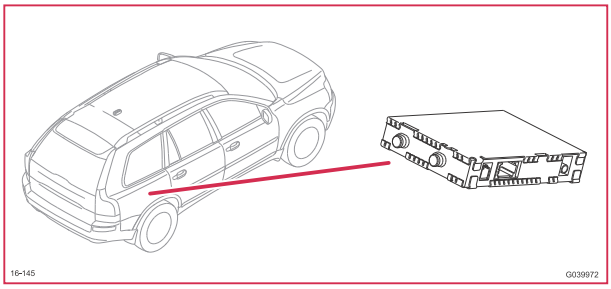


16/127 Microphone, handsfree cellular phone

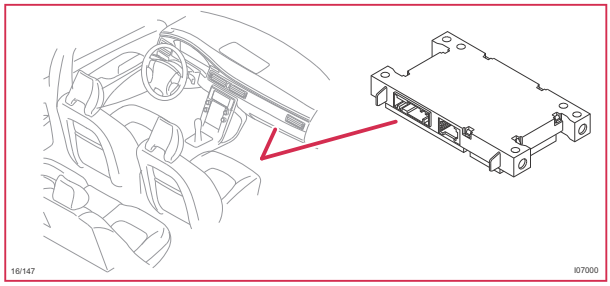


Component illustrations
16/145 - 17/38

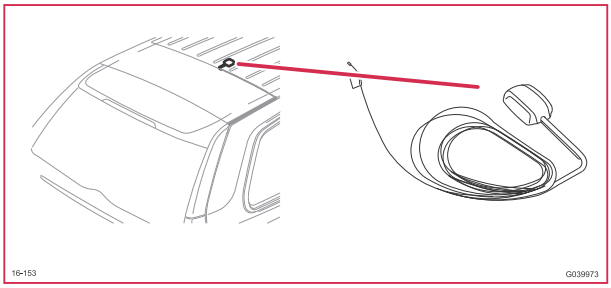
16/145 Satellite radio receiver



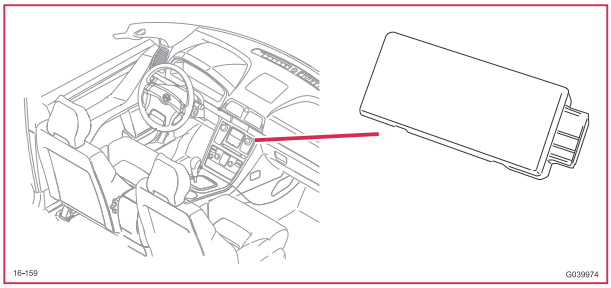
16/147 Bluetooth Phone Module (BPM)



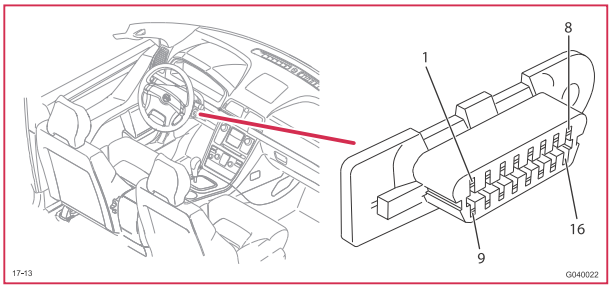
16/153 Satellite radio receiver antenna



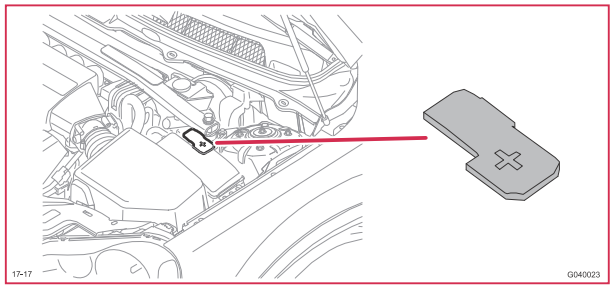
16/159 Control module, cellular phone handsfree



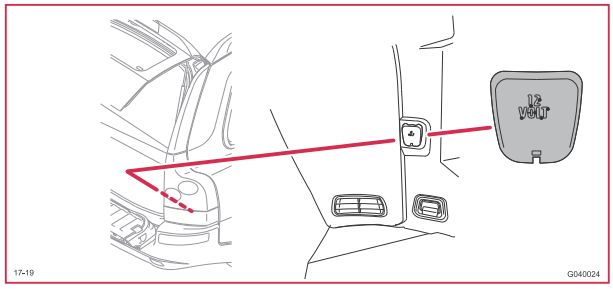
17/13 Data link connector



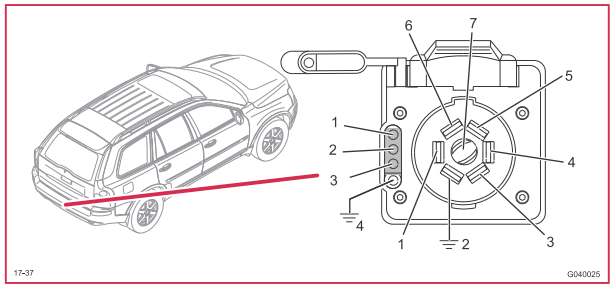
17/17 Jump start connection



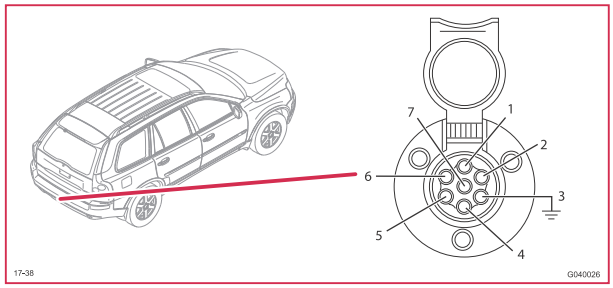
17/19 12 V outlet, cargo compartment



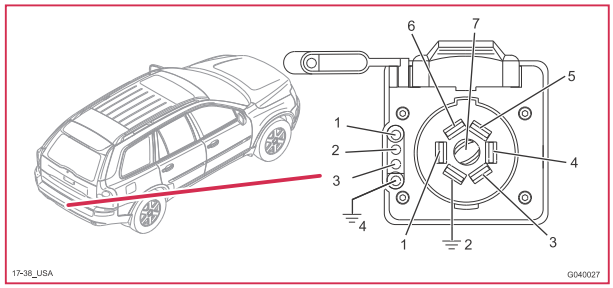
17/37 4-pin outlet, cable harness towbar/tow hitch



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

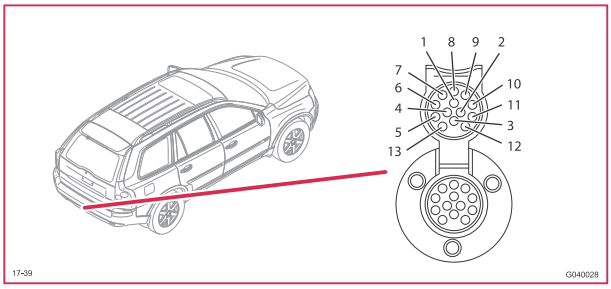


17/38 7-pin outlet, cable harness towbar/tow hitch, USA

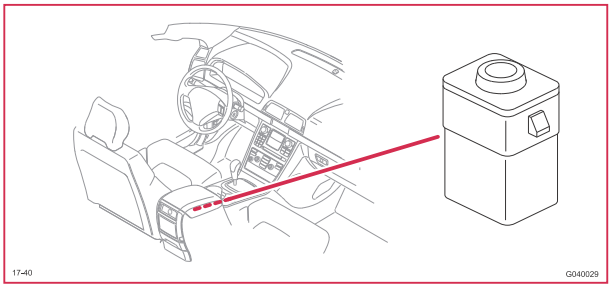


Component illustrations
17/39 - 27/3

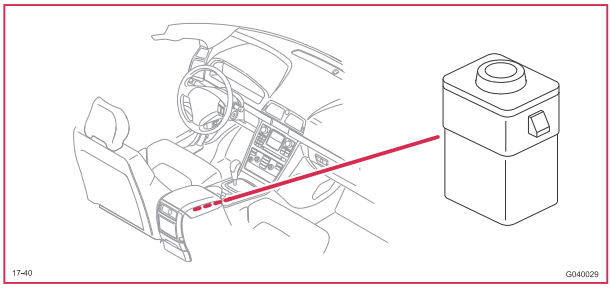
17/39 13-pin outlet, tow hitch cable harness



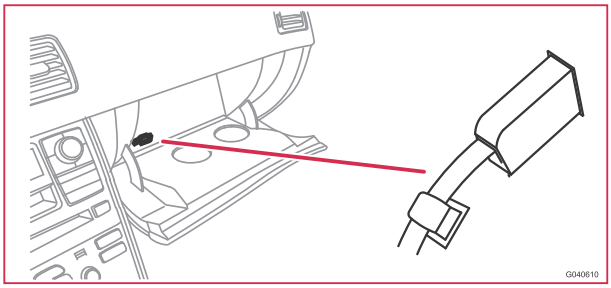
17/40 External equipment input (AUX)



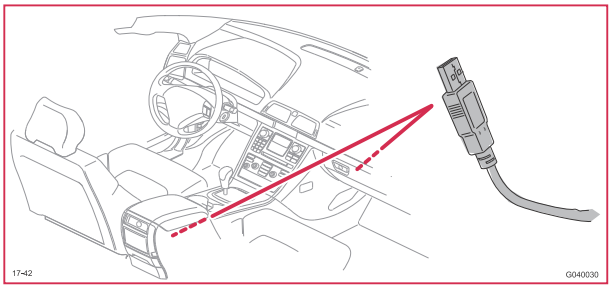
17/40.1 External equipment input (AUX)



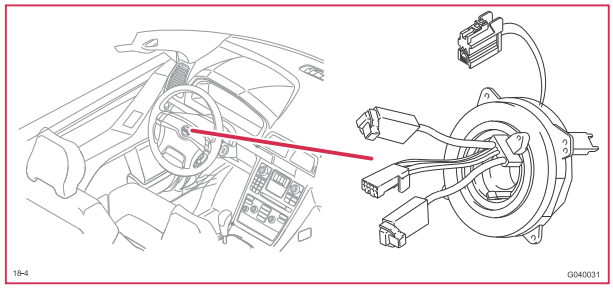
17/42 USB-port



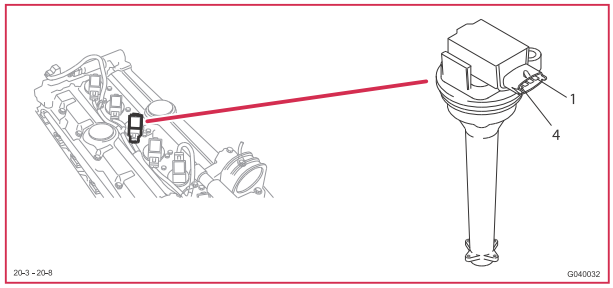
17/42 USB port, accessories



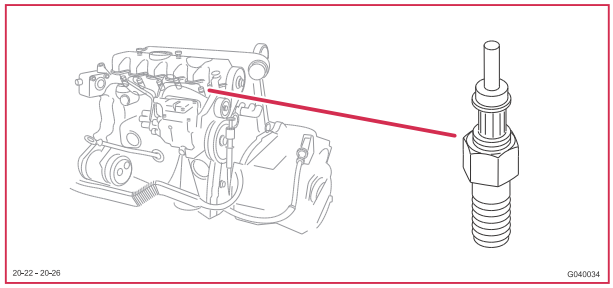
18/4 Contact reel



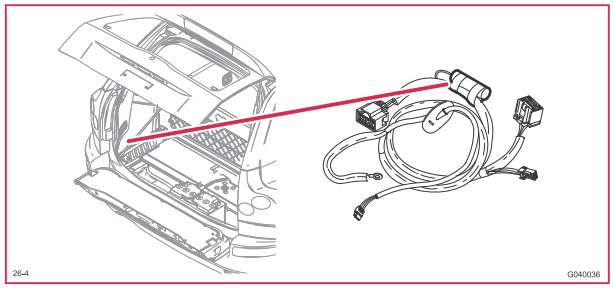
20/3-8 Spark plug and ignition coil



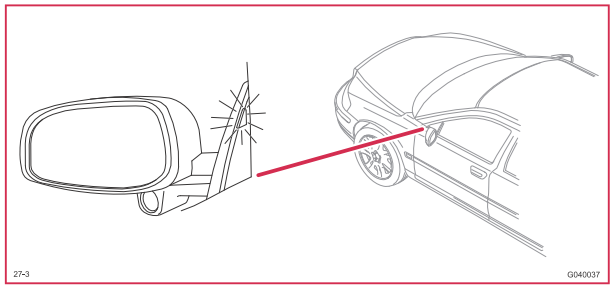
20/22-26 Glow plug



26/4 Converter, direction indicators & brake lights, USA

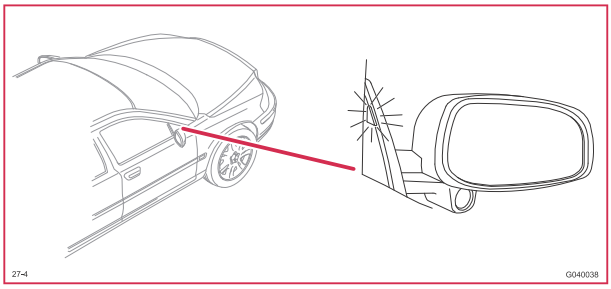


27/3 Left Camera Module (LCM)

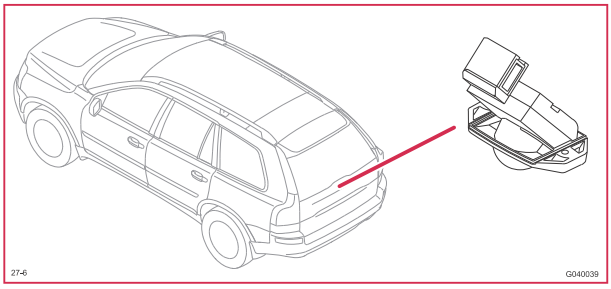


Component illustrations
27/4 - 31/47

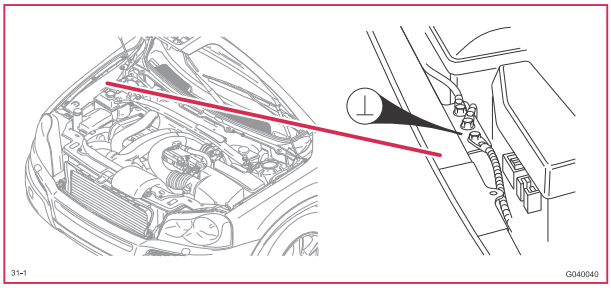
27/4 Right Camera Module (RCM)



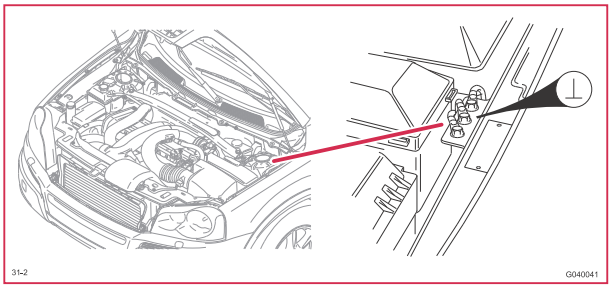
27/6 Camera



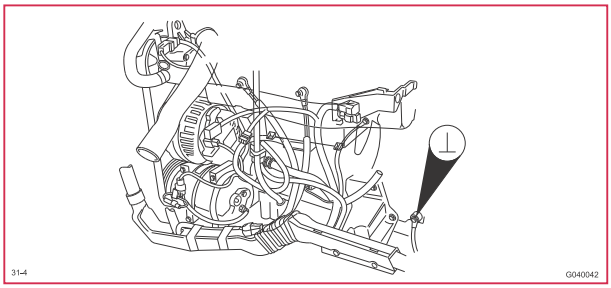
31/1 Ground connection, right MacPherson strut tower



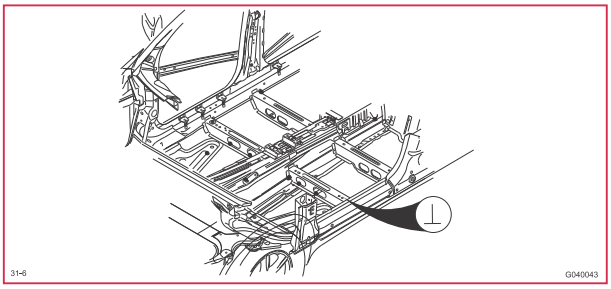
31/2 Ground connection, left MacPherson strut tower



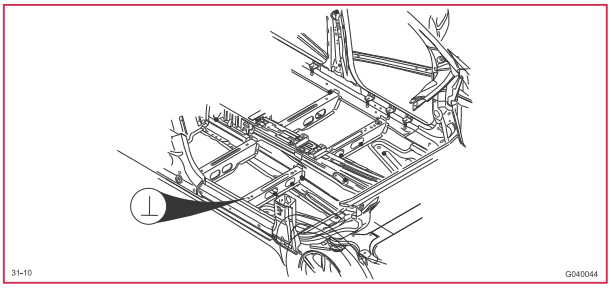
31/4 Ground connection, engine



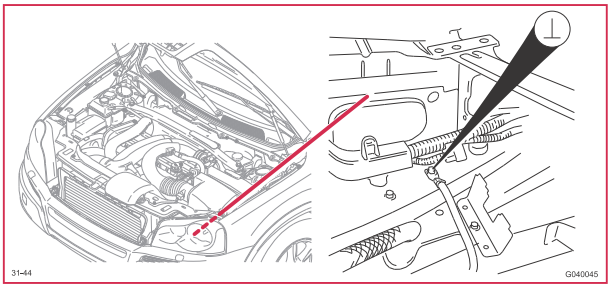
31/6 Ground connection, left-hand side A-post



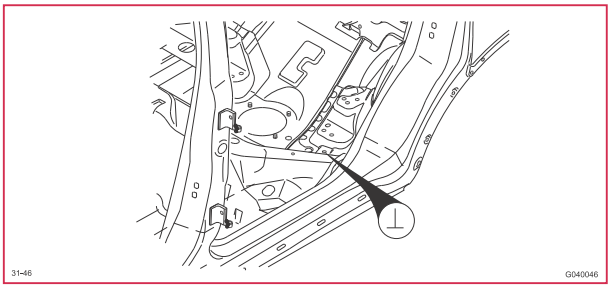
31/10 Ground connection, right-hand side A-post



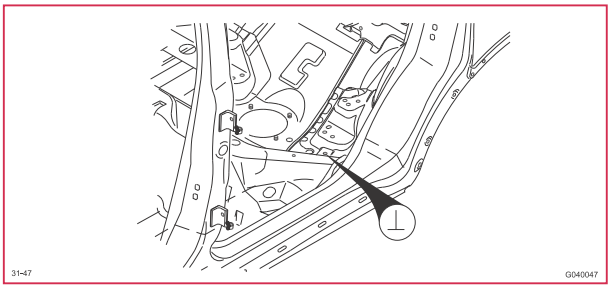
31/44 Ground connection, left-hand side member, lower engine compartment



31/46 Ground connection, Rear seat riser, left side



31/47 Ground connection, Rear seat riser, left side



Component illustrations
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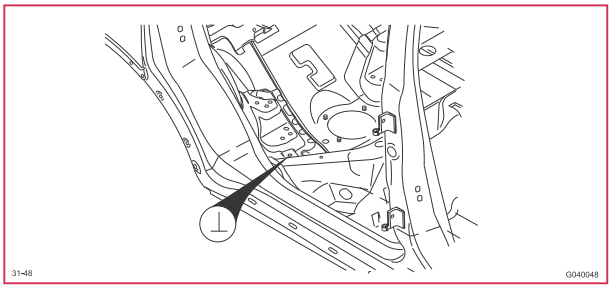
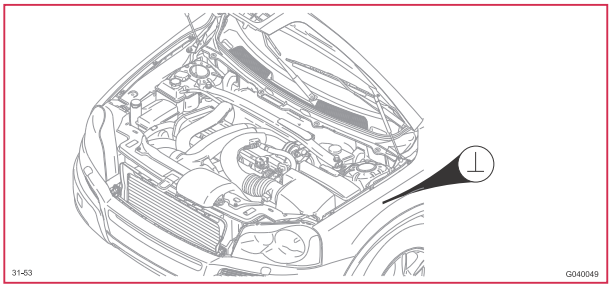
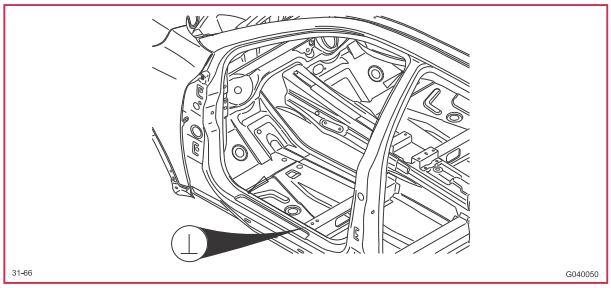
31/48 Ground connection, Rear seat riser, right side



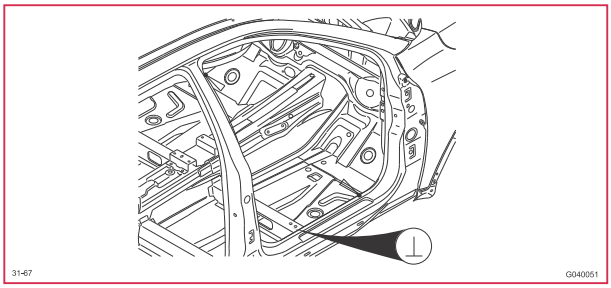
31/53 Ground connection, Firewall



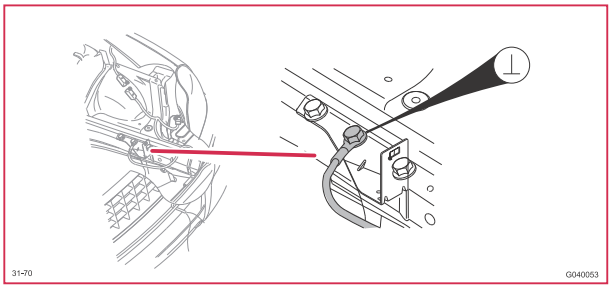
31/66 Ground connection, Front seat riser, left side



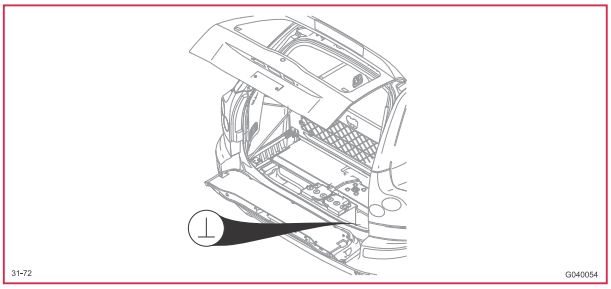
31/67 Ground connection, front right seat riser



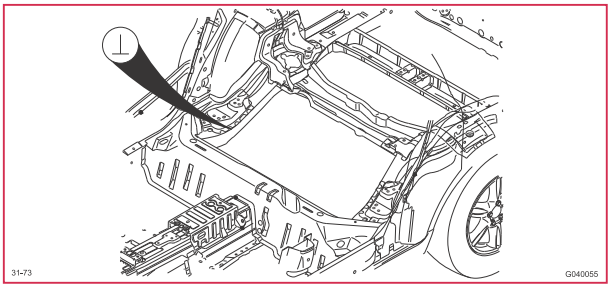
31/70 Ground connection, left-hand side member, lower engine compartment



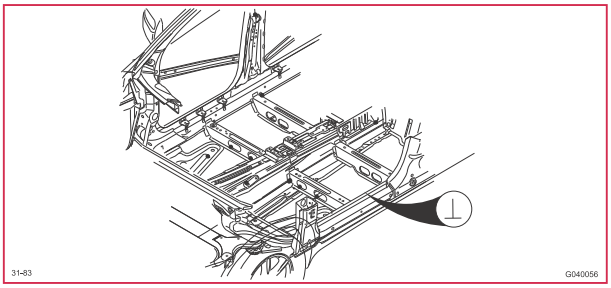
31/72 Ground connection, Cargo compartment



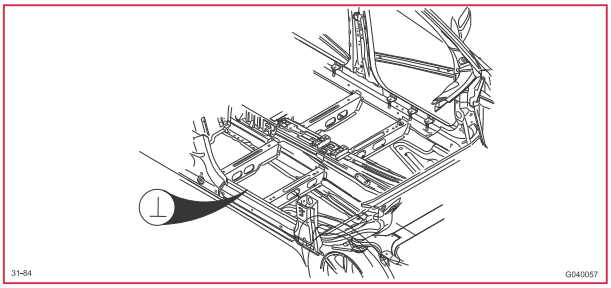
31/73 Ground connection, Rear seat riser, right side



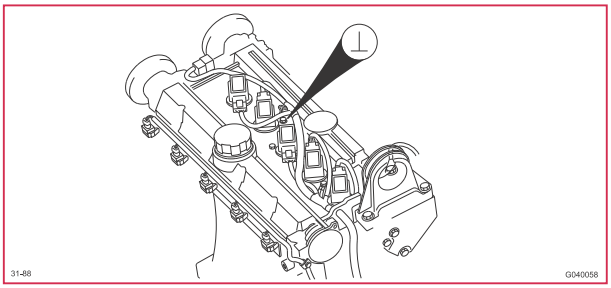
31/83 Ground connection, left-hand side A-post



31/84 Ground connection, right-hand side A-post



31/88 Ground connection, engine ignition coils, group 1



Component illustrations
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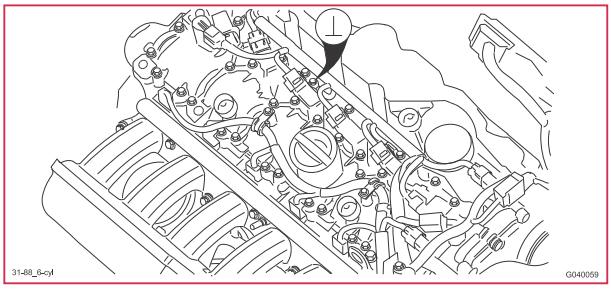
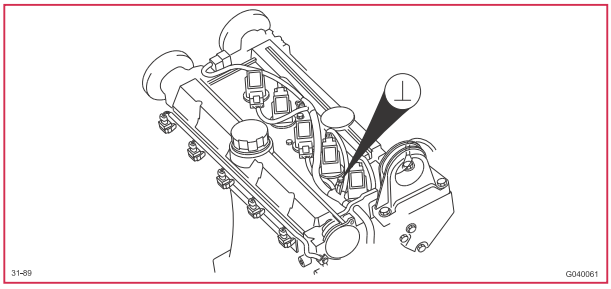
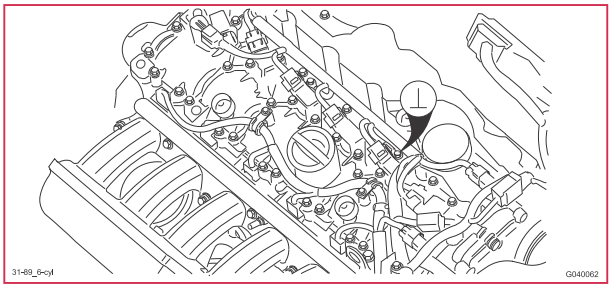
31/88 Ground connection, Engine ignition coils, 6-Cyl.



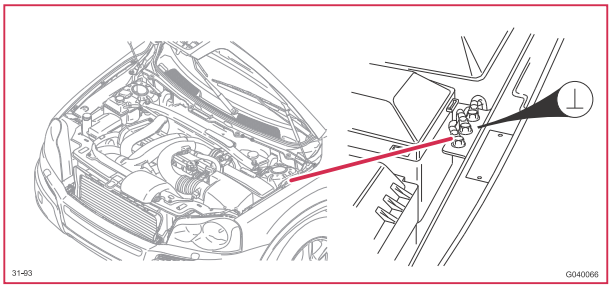
31/89 Ground connection, engine ignition coils, group 2



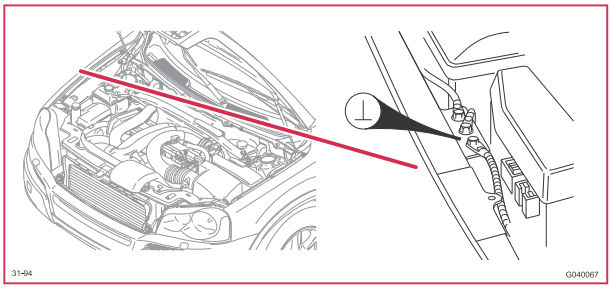
31/89 Ground connection, Engine ignition coils, 6-Cyl.



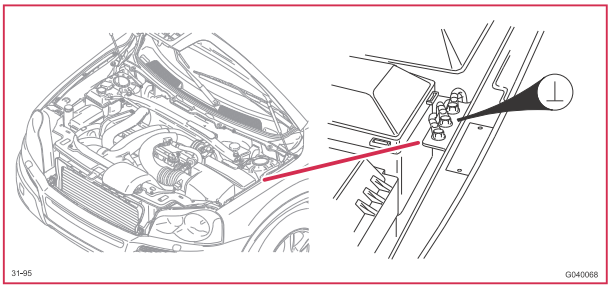
31/93 Ground connection, left MacPherson strut tower



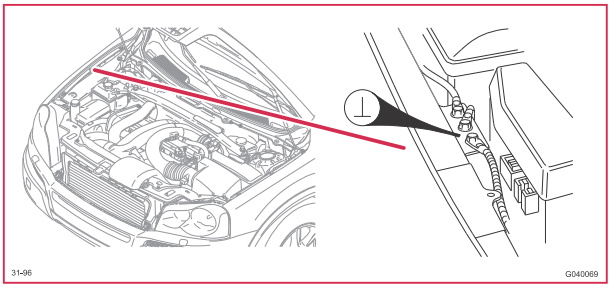
31/94 Ground connection, right MacPherson strut tower



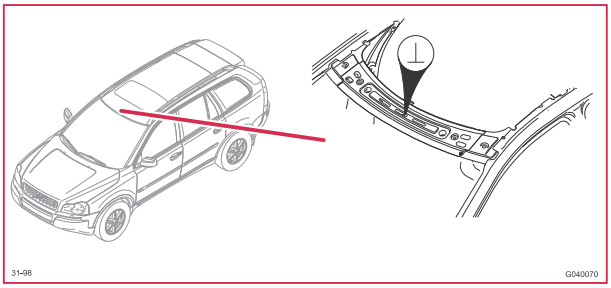
31/95 Ground connection, left MacPherson strut tower



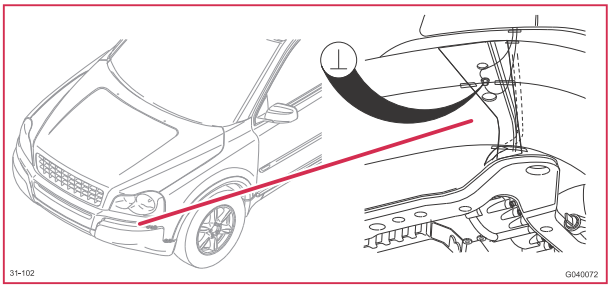
31/96 Ground connection, right MacPherson strut tower



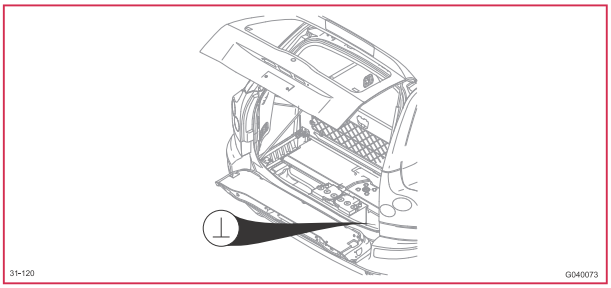
31/98 Ground connection, upper windshield member



31/102 Ground connection, Front member

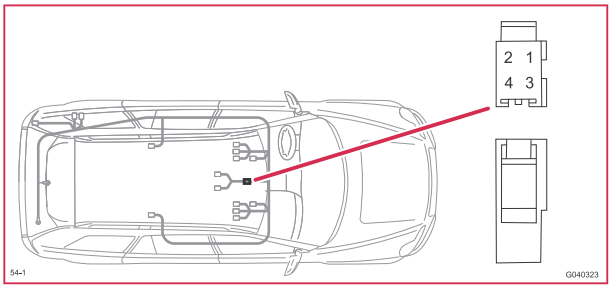


31/120 Ground connection, Cargo compartment

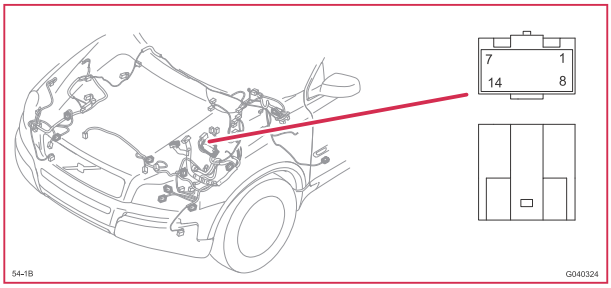


Component illustrations
54/1 - 54/12

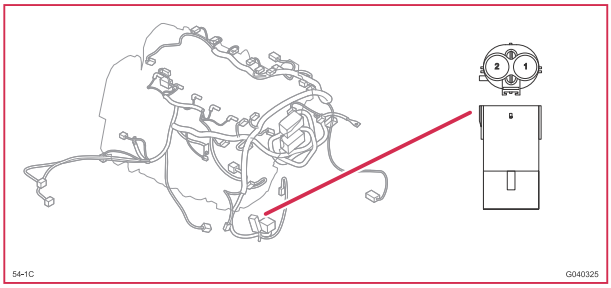
54/1 Connector



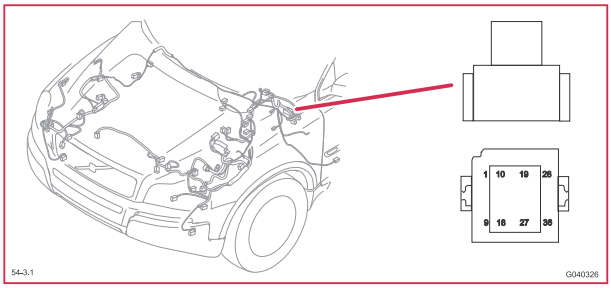
54/1B Connector



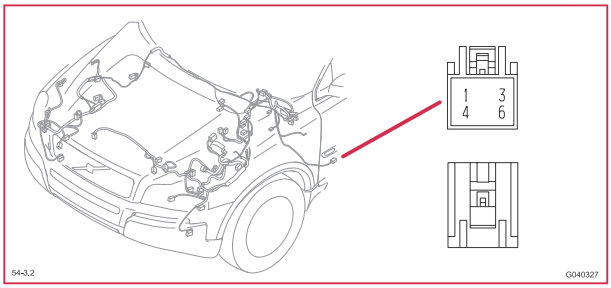
54/1C Connector



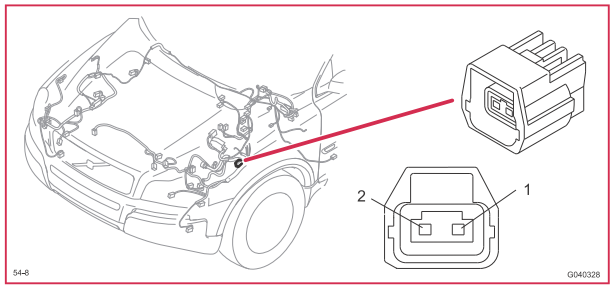
54/3.1 Connector



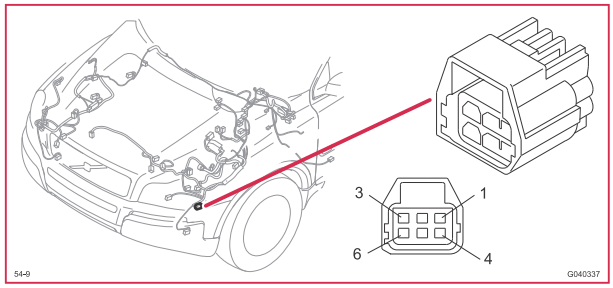
54/3.2 Connector



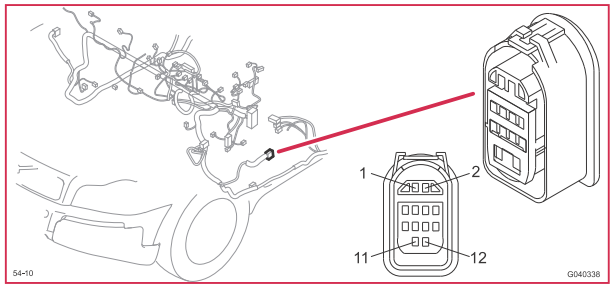
54/8 Connector



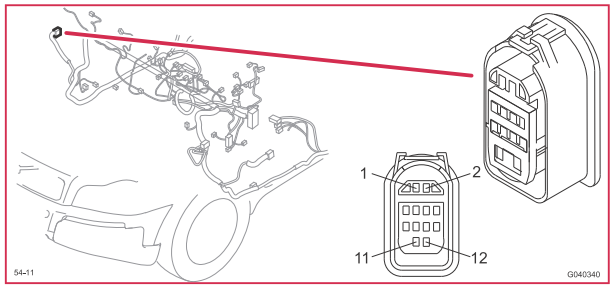
54/9 Connector



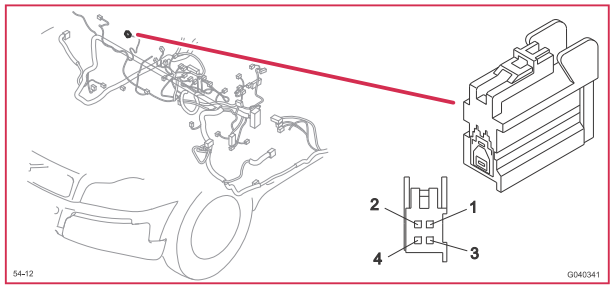
54/10 Connector



54/11 Connector

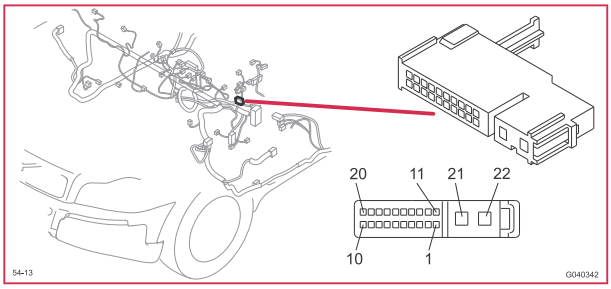


54/12 Connector

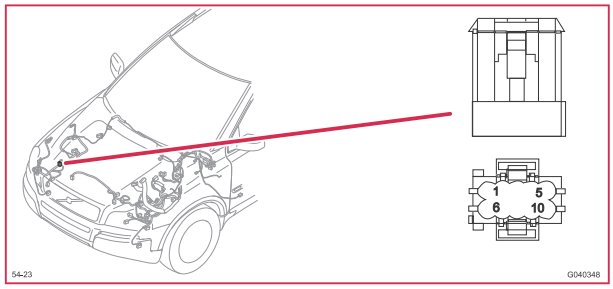


Component illustrations
54/13 - 54/34

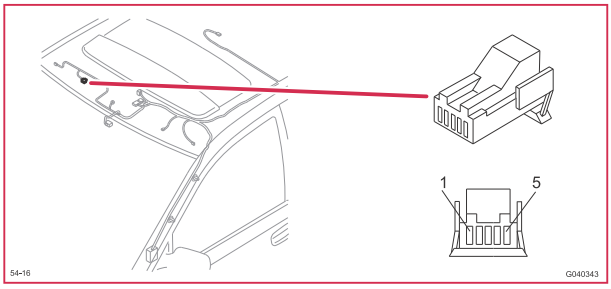
54/13 Connector



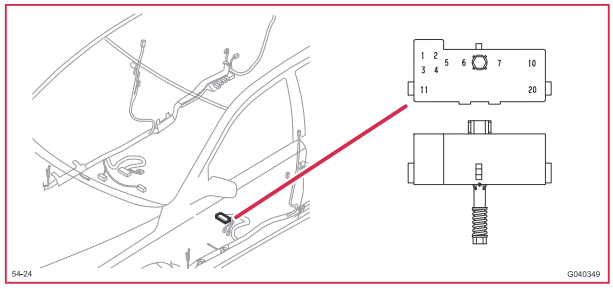
54/23 Connector



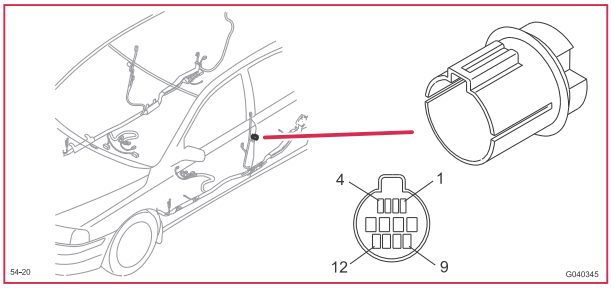
54/16 Connector



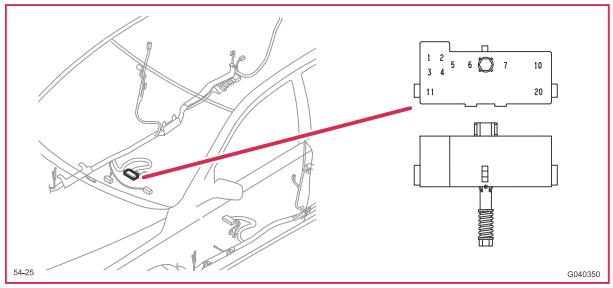
54/24 Connector



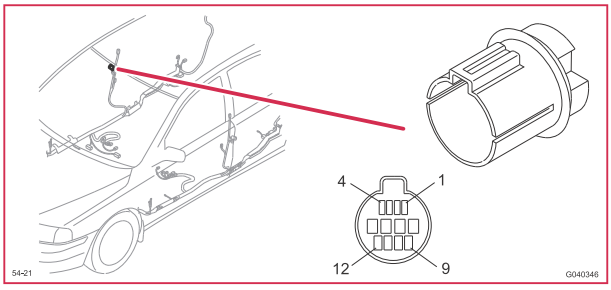
54/20 Connector



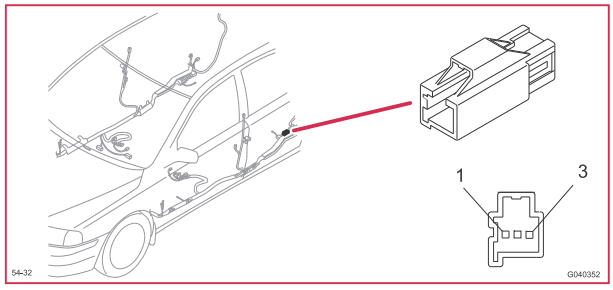
54/25 Connector



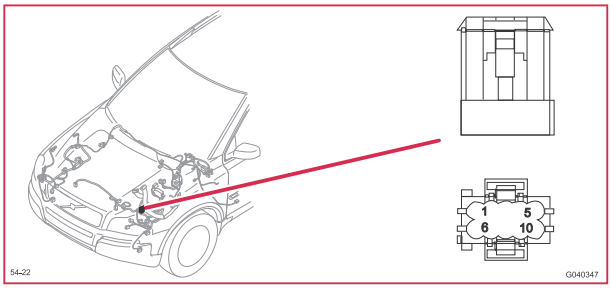
54/21 Connector



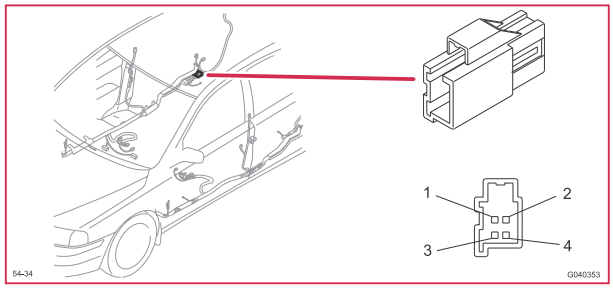
54/32 Connector



54/22 Connector

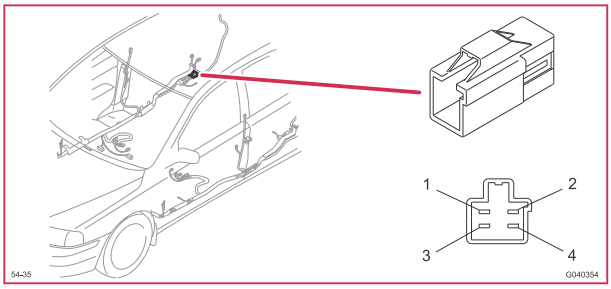


54/34 Connector

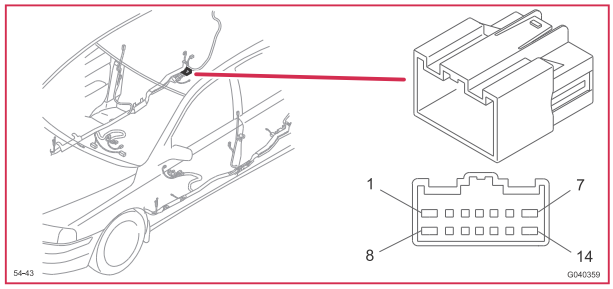


Component illustrations
54/35 - 54/55

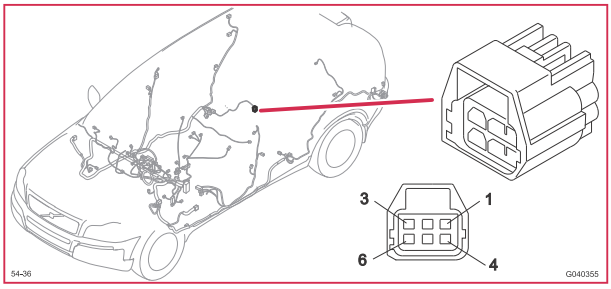
54/35 Connector



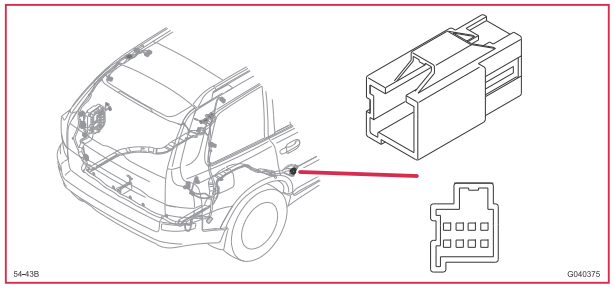
54/43 Connector



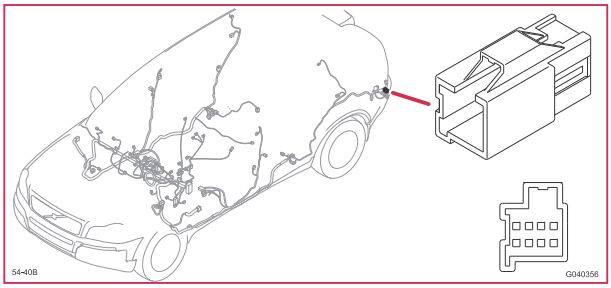
54/36 Connector



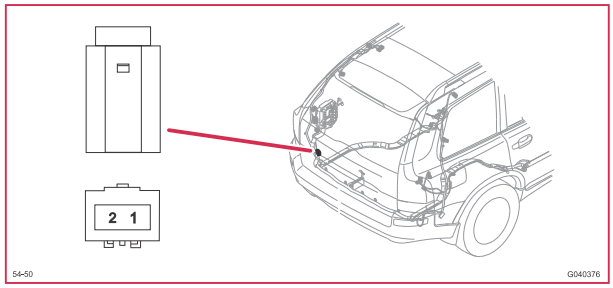
54/43B Connector



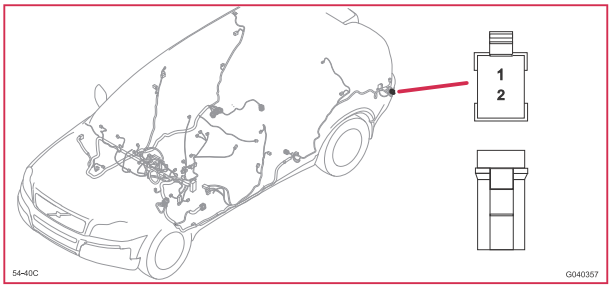
54/40B Connector



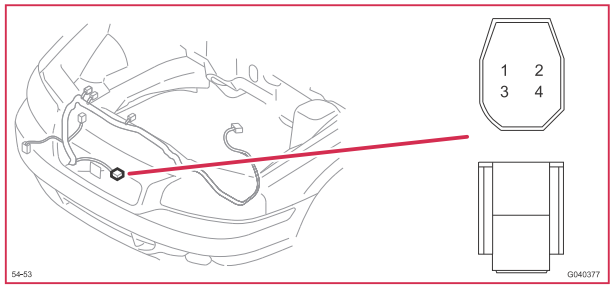
54/50 Connector



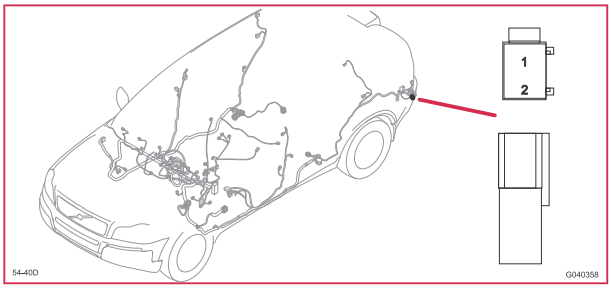
54/40C Connector



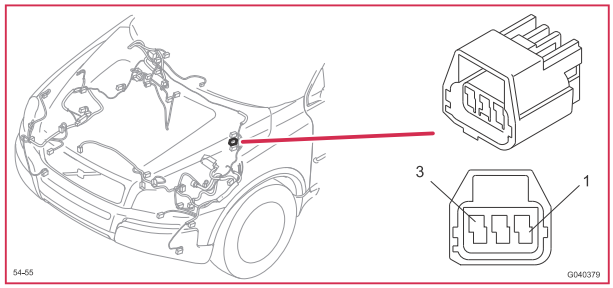
54/53.1 Connector, 5-Cyl.



54/40D Connector

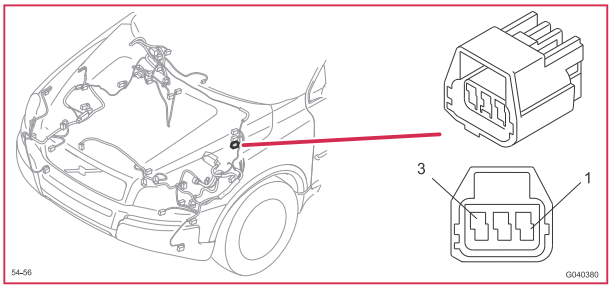


54/55 Connector

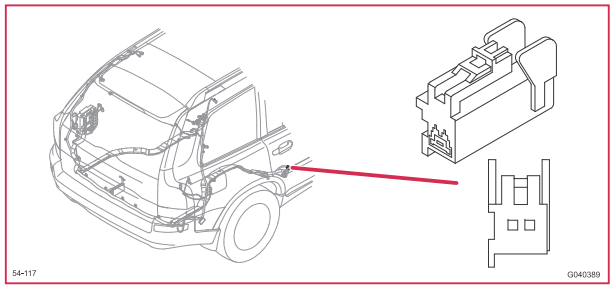


Component illustrations
54/56 - 54/139

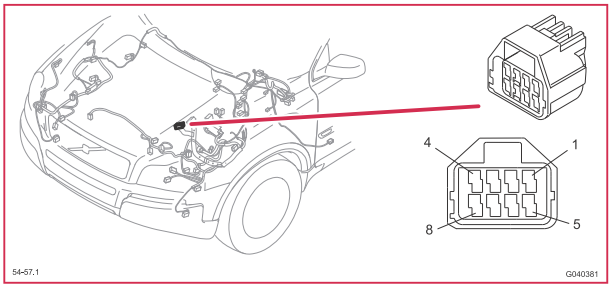
54/56 Connector



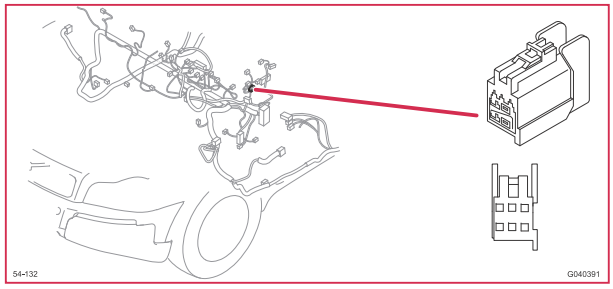
54/117 Connector



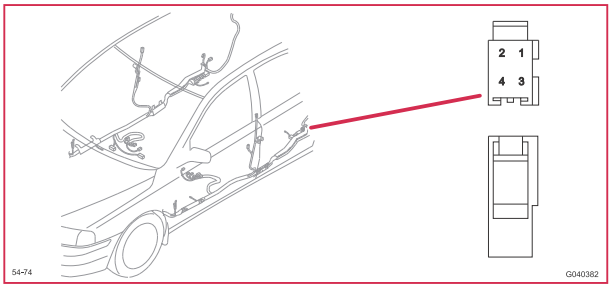
54/57.1 Connector



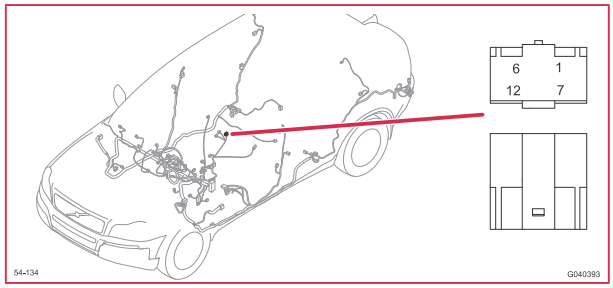
54/132 Connector



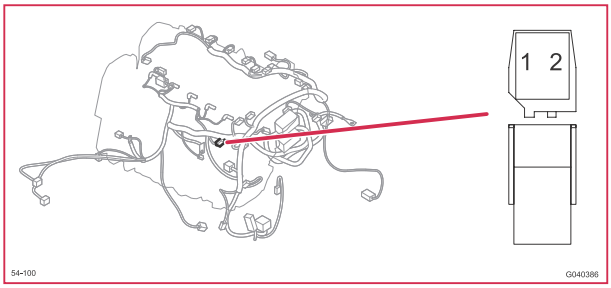
54/74 Connector



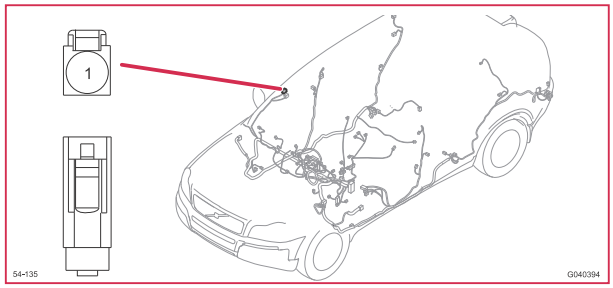
54/134 Connector



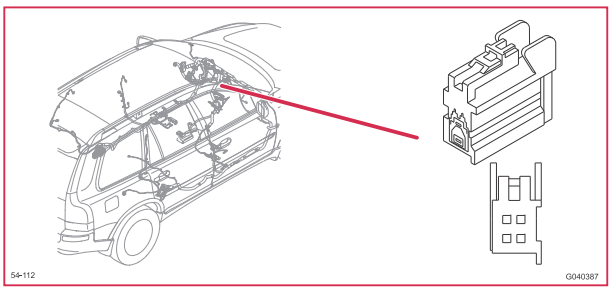
54/100 Connector



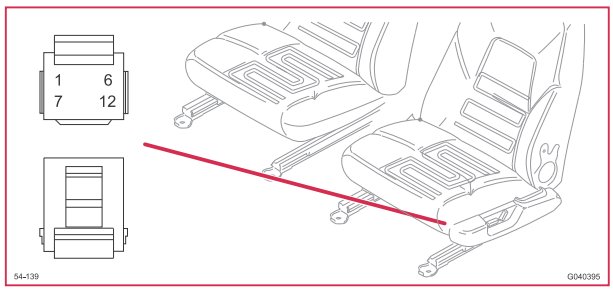
54/135 Connector



54/112 Connector

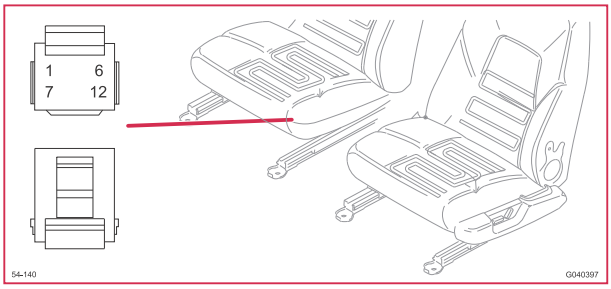


54/139 Connector

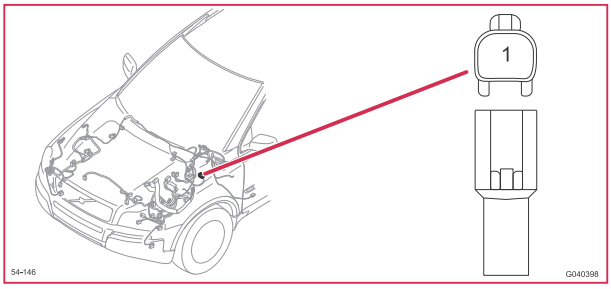


Component illustrations
54/140 - A1

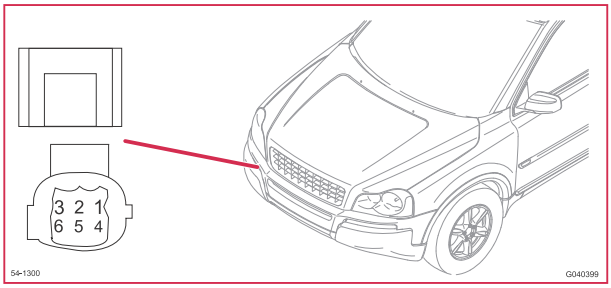
54/140 Connector



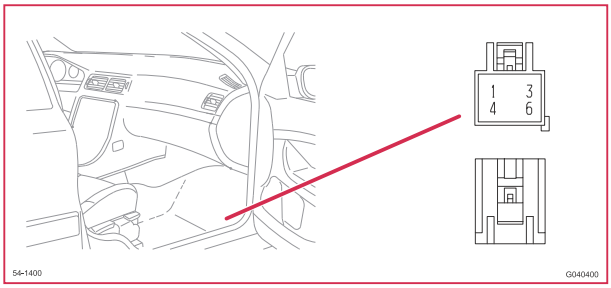
54/146 Connector



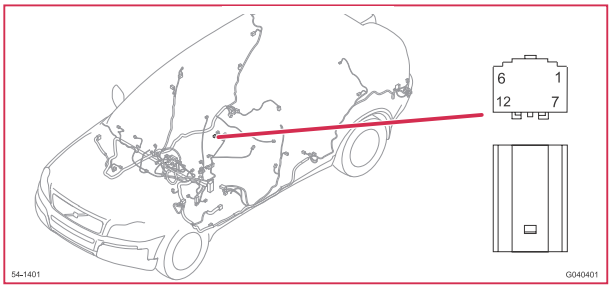
54/1300 Connector



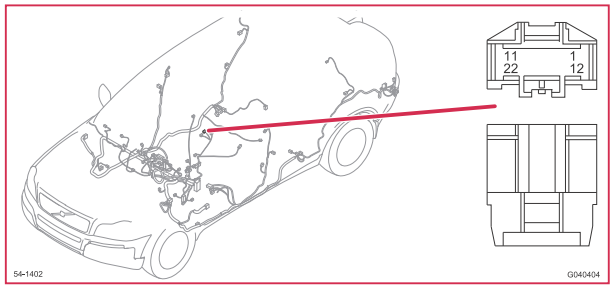
54/1400 Connector



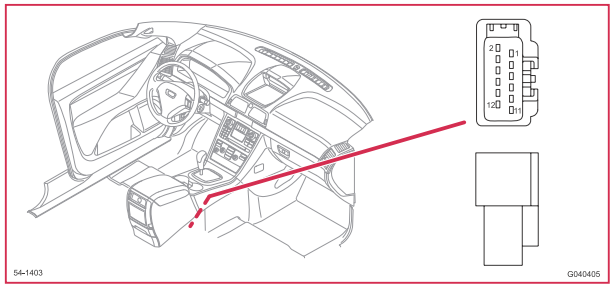
54/1401 Connector



54/1402 Connector



54/1403 Connector



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3X/1 Connector interface, original car
4X/58 Connector interface, original car
4X/78 Connector interface, original car
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7/115	Side impact sensor, front left
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8/61	Igniter, airbag stage 2, driver's side
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8/66	Igniter, left inflatable curtain
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8/71	Throttle solenoid TF-80SC
8/72	Shift solenoid 3 AW51
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8/84	Switch, vacuum pump
8/85	Thermostatic switch and fuel filter heating
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9/17	Right-hand backrest heating element
9/18	Left-hand seat heating element
9/19	Right-hand seat heating element
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9/32	PTC resistor, crankcase ventilation
9/33	Left heated exterior rearview mirror
9/34	Right heated exterior rearview mirror
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10/2	Lamp housing, front right
10/3	License plate lighting
10/5	Fog light, front left
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10/18	Lamp housing, rear left
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11B/no.	Fuses in engine compartment fuse box
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16/64	Antenna, cellular phone
16/65	Antenna ring/ignition switch illumination
16/69	TV antenna left
16/70	TV antenna right
16/71	Window antenna amplifier 1, right
16/77	Microphone, cellular phone
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16/94	Infotainment Control Module (ICM)
16/105	Audio Module (AUD)
16/108	Multimedia Module (MMM)
16/109	DVD player/control module
16/111	Outlet, rear left headphones
16/112	Outlet, rear right headphones
16/123.3	RSE-AUX input
16/127	Microphone, handsfree cellular phone
16/145	Satellite radio receiver
16/147	Bluetooth Phone Module (BPM)
16/153	Satellite radio receiver antenna
16/159	Control module, cellular phone handsfree
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17/17	Jump start connection
17/19	12 V outlet, cargo compartment
17/37	4-pin outlet, cable harness towbar/tow hitch
17/38	7-pin outlet, cable harness towbar/tow hitch EU/OS
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31/53	Ground connection, Firewall
31/66	Ground connection, Front seat riser, left side
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31/95	Ground connection, left MacPherson strut tower
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54/140	Connector
54/146	Connector
54/1300	Connector
54/1400	Connector
54/1401	Connector
54/1402	Connector
54/1403	Connector

List of components 7:7

2X/71	Connector interface, original car
3X/1	Connector interface, original car
4X/58	Connector interface, original car
4X/78	Connector interface, original car
9X/1	Connector interface, original car
9X/25	Connector interface, original car
10X/18	Connector interface, original car
10X/29	Connector interface, original car
16X/1	Connector interface, original car
16X/2	Connector interface, original car
16X/45	Connector interface, original car
16X/57	Connector interface, original car
16X/58	Connector interface, original car
16X/105	Connector interface, original car
16X/108	Connector interface, original car
17X/40	Connector interface, original car
54X/no.	Connector interface, original car
A1	Connecting rail to 15/31