

VOLVO
for life



VOLVO **WIRING DIAGRAM** S40/V40

2004
3969202

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

Warning!

Vehicles equipped with SRS/SIPS bag/IC must be handled with extra care when making repairs. This avoids:

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 work-shop.

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

General recommendations

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

Test terminal

Data link connector in the passenger compartment.

Modifications introduced up to March 2003.

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

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

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

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Order number TP 3969202
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Groups

Group 23	= Fuel system
Group 26	= Cooling system
Group 27	= Engine controls
Group 32	= Generator and voltage regulator
Group 33	= Starting system
Group 35	= Lighting
Group 36	= Additional electrical equipment
Group 37	= Wiring and fuses
Group 38	= Instruments
Group 39	= Other
Group 43	= Transmission
Group 52	= Vacuum hydraulic brake system
Group 59	= Brake system
Group 83	= Doors and openings
Group 84	= Exterior decorative elements etc.
Group 85	= Interior equipment
Group 87	= Climate controls
Group 88	= Internal equipment

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

ABS	= Anti-lock Brake System
A/C	= Air conditioning
AUTO	= Automatic transmission
D	= Driver
ECC	= Electronic climate control system
EH	= Engine heater
EMS 2000	= EMS 2000 Engine management system
FL	= Front left
FR	= Front right
GND	= Ground
HL	= High level of equipment
L	= Left
LH	= Left-hand side
LHD	= Left-hand drive
LL	= Standard level of equipment
LPG	= Liquefied petroleum gas
MAN	= Manual transmission
MELCO	= Melco engine management system
P	= Passenger
PETROL	= Gasoline
PH	= Parking heater
R	= Right
REC	= Receiver
RH	= Right-hand side
RHD	= Right-hand drive
RL	= Rear left
RR	= Rear right
SRS	= Airbag
T	= Turbo engine
TRANS	= Transmitter
TURBO	= Turbo engine
XENON	= Xenon lamps

Colors

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

How to use the wiring diagrams

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

A. Component designation

Every component has a component designation that consists of two parts.

The first part is a type number that describes the type of component in question, for example 3/xx.

The second part of the designation is a serial number, for example, x/2.

Combined these give a component designation, for example, 3/2.

At the end of the manual is a list of components, where, with the help of the component designation, you can read off the name of the component, for example, 3/2 = light switch.

List of type numbers

The list shows which type of component that respective type numbers refer to, for example, 3/x = switch, 6/x = electric motor, etc.

1	Battery
2	Relay
3	Switch
4	Control module
5	Driver information module
6	Electric motor
7	Sensor
8	Actuator
9	Heating element
10	Light
11	Fuse
15	Distribution rail
16	Audio
17	Service/diagnostics
18	Contact reel
19	Meter
20	Ignition component/shunt
31	Ground connection
43	Junction point
44	Connector

B. Junction points

The wiring diagrams contain numbered junction points, e.g. 43/352.

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

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

C. Connectors

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

D. Electrical distribution

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

E. Data communication

Today's cars are equipped with a CAN network, which transmits information. Connections to this network are shown in their entirety on the respective wiring diagrams. Complete information on CAN communication is can be found in the section titled "Data communication".

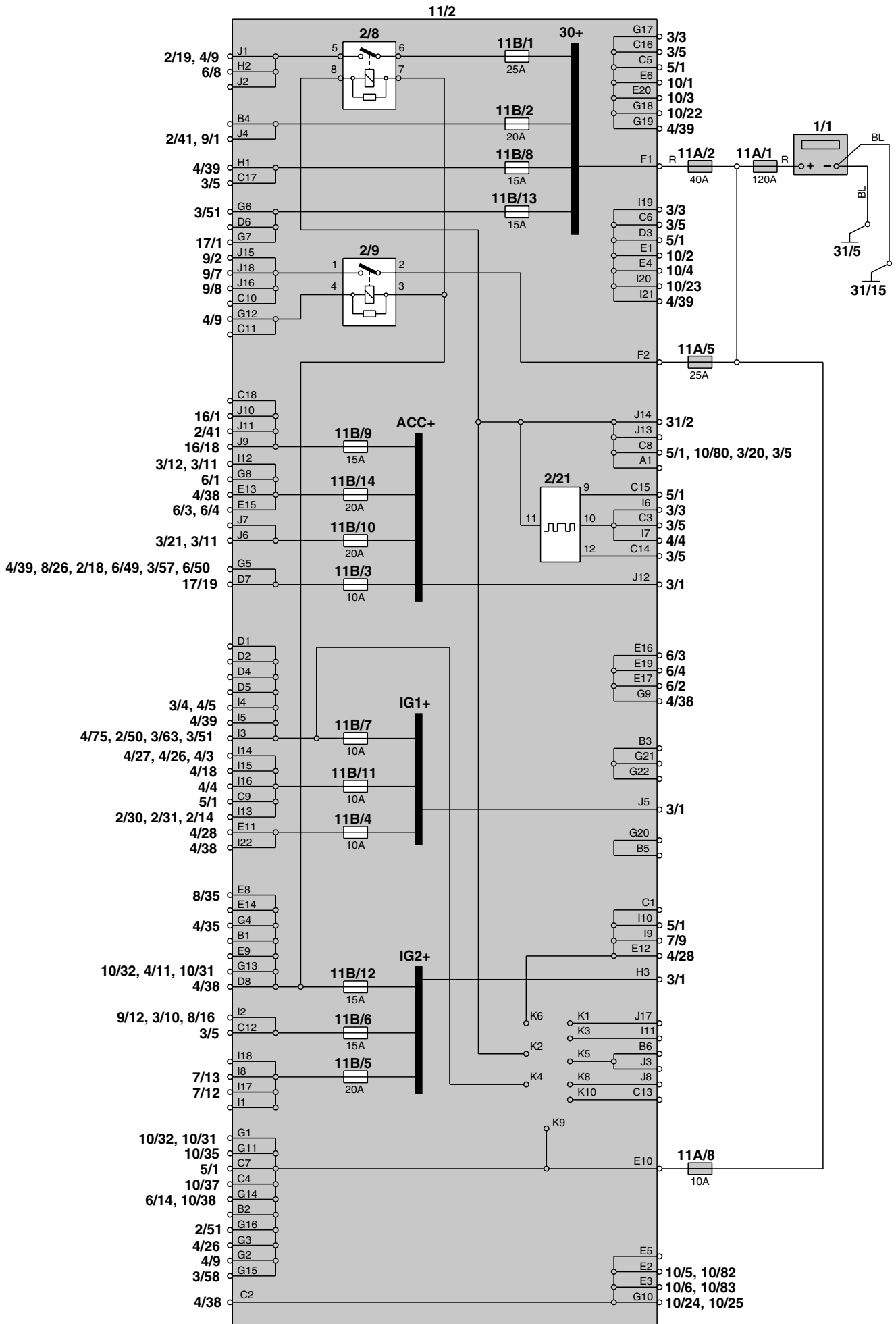
F. Abbreviations

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

G. Component location

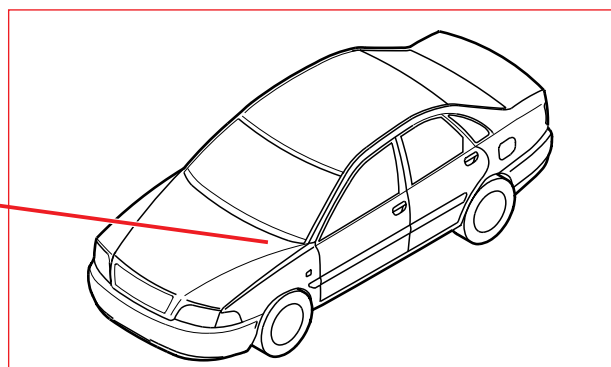
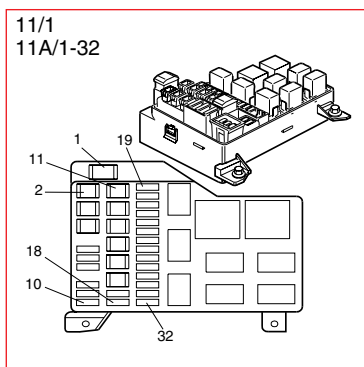
There is a section at the end of the manual in which the appearance and location of components is described in numerical order.

Electrical distribution Overview



Fuses

Engine compartment 11A/1-8

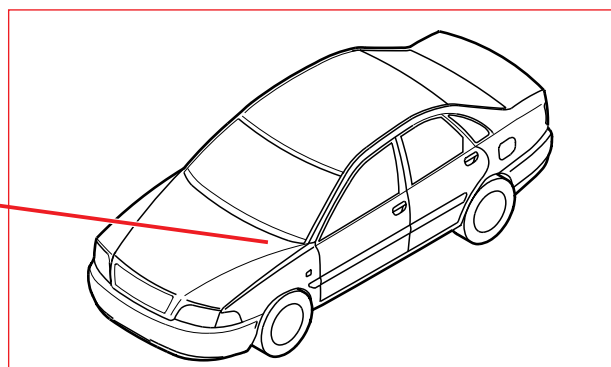
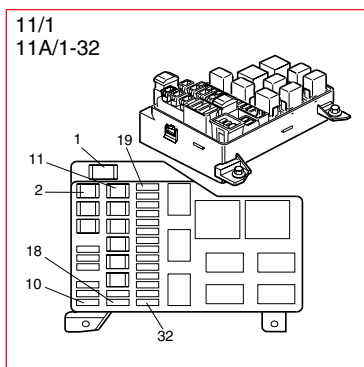


11A Fuses in the engine compartment

No.	Fuse function	via	A
1	6/7 Generator 9/9 Glow plug 11A/2-10 Fuses in the engine compartment	2/36	120
2	11B/1-2 Fuses in the passenger compartment 11B/8 Fuses in the passenger compartment 11B/13 Fuses in the passenger compartment		40
5	9/2 Heated rear window 9/7 Heated door mirror, driver's door 9/8 Heated door mirror, passenger door	2/9 2/9 2/9	25
6	8/25 Power driver's seat		25
7	8/26 Power passenger seat		25
8	2/51 Relay, key-inserted warning 4/9 Climate Control Module (CCM) 4/26 Engine management system, Melco 2 4/35 Control module, key-inserted warning/seat belt reminder 4/39 Control module for locks and alarm, VGLA 5/1 Driver information module 6/14 Power antenna 8/35 Alarm siren 10/31 Ceiling light for HL with reading lights 10/32 Ceiling light for LL 10/33 Reading lights, rear 10/35 Courtesy lighting 10/36 Lighting, vanity mirror, passenger side 10/37 Glove compartment lighting 10/38 Cargo compartment lighting 10/47 Lighting, vanity mirror, driver's side	3/58 3/58	10
	continues		

Fuses

Engine compartment 11A/9-11

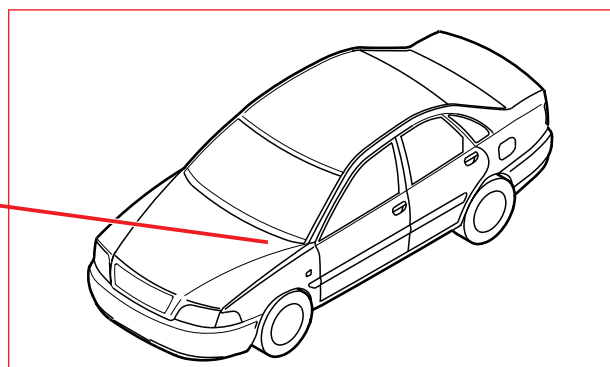
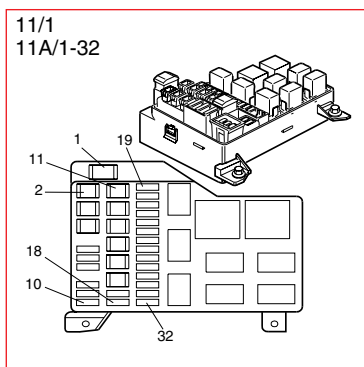


11A Fuses in the engine compartment

No.	Fuse function	via	A
9	4/39 Control module for locks and alarm, VGLA 4/40 Receiver, VGLA, EU/OS 4/41 Control module, ultrasonic glass breakage sensor 6/28 Central locking, driver's door 6/29 Central locking, passenger door 6/30 Central locking, rear driver's side door 6/31 Central locking, rear passenger side 6/32 Central locking, trunk lid/tailgate 6/34 RL child safety lock 6/35 RR child safety lock 6/36 Central locking with deadlock, driver's door 6/37 Central locking with deadlock, passenger door 6/38 Central locking with deadlock, driver's side, rear 6/39 Central locking with deadlock, passenger side, rear 6/55 Lock motor, fuel filler flap	2/51 4/39 4/39 4/39 4/39 4/39 4/39 4/39 4/39 4/39 4/39 4/39 4/39	20
10	16/1 Radio		15
11	11A/17-18 Fuses in the engine compartment 2/11 Relay, electric cooling fan, speed 1, Diesel 2/14 Main relay engine management system, Melco 2, Diesel 2/28 Relay, electric cooling fan, speed 2, Diesel 2/32 Relay, fuel throttle body 4/18 Control module, electronic immobilizer 4/26 Engine management system 4/30 Ignition coils 4/33 Control module, fuel system Melco 2 4/50 Control module, fuel throttle relay, Melco 2 6/56 Engine, fuel throttle body 7/27 Camshaft position sensor 7/50 Mass airflow sensor MAF 7/56 Crankshaft position sensor 7/64 IGF sensor, Melco 2 8/6-9 Injectors 8/23 Turbocharger control valve, Diesel 8/32 CVVT valve 8/38 Regulator, fuel line pressure, Diesel	2/14 2/14 2/14 2/14 2/14 2/30 2/32, 2/14 4/50, 2/32 2/14 2/14 2/14 2/30 2/14 2/14 2/14 2/14	
	continues		

Fuses

Engine compartment 11A/12-17

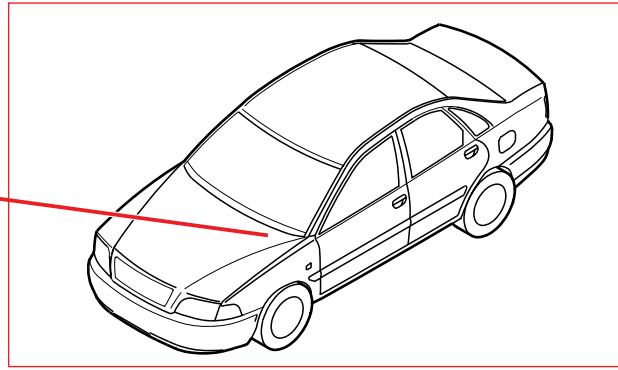
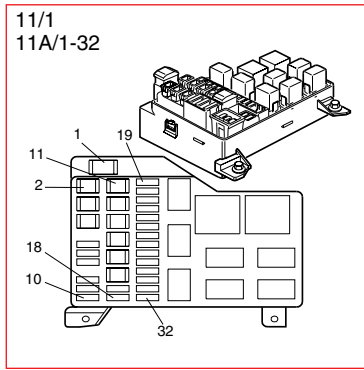


11A Fuses in the engine compartment

No.	Fuse function	via	A
12	3/33 Control module, power windows/door mirrors, driver's door 3/34 Switch unit, passenger door power window 6/17 Motor, power window, driver's door 6/18 Motor, power window, passenger door 6/19 Motor, RL power window 6/20 Motor, RR power window 6/21 Power door mirror, driver's side 6/22 Power door mirror, passenger side	2/18 2/18, 3/33 2/18, 3/34, 3/33 2/18, 3/33, 3/35 2/18, 3/33, 3/36 2/18, 3/33 2/18, 3/33	30
13	2/11 Relay, electric cooling fan, speed 1 2/28 Relay, electric cooling fan, speed 2 6/9 Motor, electric cooling fan 6/26 Motor, two-speed cooling fan	2/11 2/28, 2/11	30
14	11B/3-7 Fuses in the passenger compartment 11B/9-12 Fuses in the passenger compartment 11B/14 Fuses in the passenger compartment 2/7 Starter motor relay 3/1 Ignition switch 4/26 Engine management system, Melco 2 6/6 Starter motor	3/1 3/1 3/1 3/1 2/7	40
15	4/28 ABS control module		50
17	2/31 Fuel pump relay, LPG 6/13 Fuel pump 9/10 Fuel preheater, Diesel	2/31	15
	continues		

Fuses

Engine compartment 11A/18-23

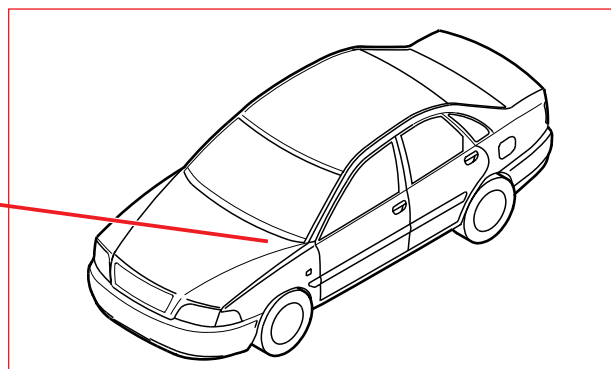
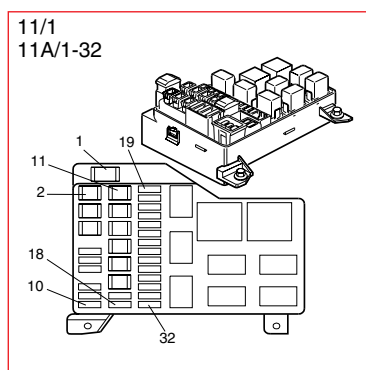


11A Fuses in the engine compartment

No.	Fuse function	via	A
18	2/34 Relay, vacuum pump, automatic transmission 6/51 EGR stepper motor, Melco 2 7/15 Heated oxygen sensor, front 7/47 Heated oxygen sensor, rear 7/50 Mass airflow sensor MAF, Diesel 7/60 Sensor, air pressure/temperature/flow, Melco 2 7/67 Pressure monitor, vacuum pump, automatic transmission 7/78 Leakage diagnostic pump (LDP), Turbo USA 7/85 Heated oxygen sensor LPG 8/2 Idling valve 8/13 EGR valve, Diesel 8/23 Turbocharger control valve 8/24 EVAP valve 8/36 Engine stopping damper valve, Diesel 9/12 Crankcase breather, LPG	7/67	10
19	10/13 FL fog light 10/14 FR fog light 10/30 Rear fog light 10/73 Indicator light, front fog lights 10/74 Indicator light, rear fog lights	4/38 4/38 4/38 4/38 4/38	20
20	16/20 Audio amplifier		20
21	10/7 LH low beam 10/86 LH headlight, Xenon	4/38 4/38	15
22	10/8 RH low beam 10/87 RH headlight, Xenon	4/38 4/38	15
23	3/9 Switch unit, lights 10/5 FL position/parking light 10/6 FR position/parking light 10/24 RL position/parking light 10/25 RR position/parking light	4/38 4/38 4/38 4/38 4/38	10
	continues		

Fuses

Engine compartment 11A/24-31

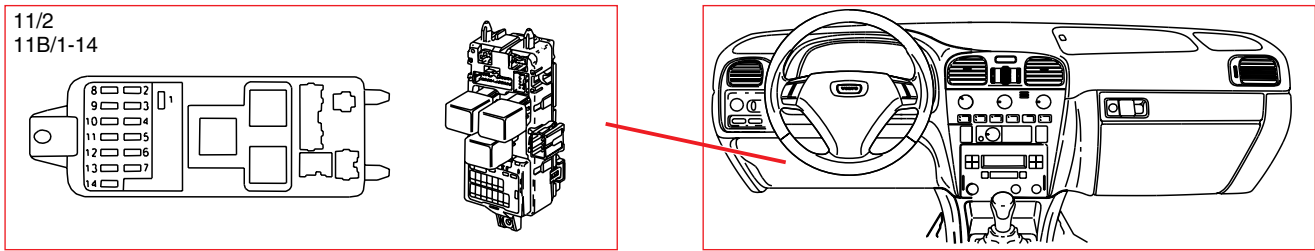


11A Fuses in the engine compartment

No.	Fuse function	via	A
24	3/19 Control, beam adjustment	4/38	10
	4/6 Control module, xenon lamps	4/38	
	4/26 Engine management system	4/38	
	6/15 LH headlight adjustment motor	4/38	
	6/16 RH headlight adjustment motor	4/38	
	10/11 FL side marker light	4/38	
	10/12 FR side marker light	4/38	
	10/20 LH license plate lighting	4/38	
	10/21 RH license plate lighting	4/38	
	10/26 LH tail light	4/38	
	10/27 RH tail light	4/38	
	10/28 RL side marker light	4/38	
	10/29 RR side marker light	4/38	
25	4/27 Transmission Control Module TCM	2/50	10
	4/75 Control module LPG		
	8/41 Fuel cut-off valve DFCO, LPG		
	8/42 Cut-off valve, engine, LPG		
	8/43 Cut-off valve, tank, LPG		
26	6/7 Generator		10
27	44/19:3 Accessory outlet, rear		15
28	10/9 LH high beam	4/38	15
	10/10 RH high beam	4/38	
	10/62 Indicator light, high beam	4/38	
29	2/35 Horn relay	2/35	15
	16/9 Horn 1		
	16/16 Horn 2		
30	2/10 Relay, AC compressor	2/10 2/13	15 20 T
	2/13 Relay, AC condenser fan		
	8/1 Solenoid clutch, AC compressor		
	6/27 AC condenser fan		
31	6/54 Vacuum pump, automatic transmission	2/34	15
	17/1 Data link connector	2/34	

Fuses

Passenger compartment 11B/1-6

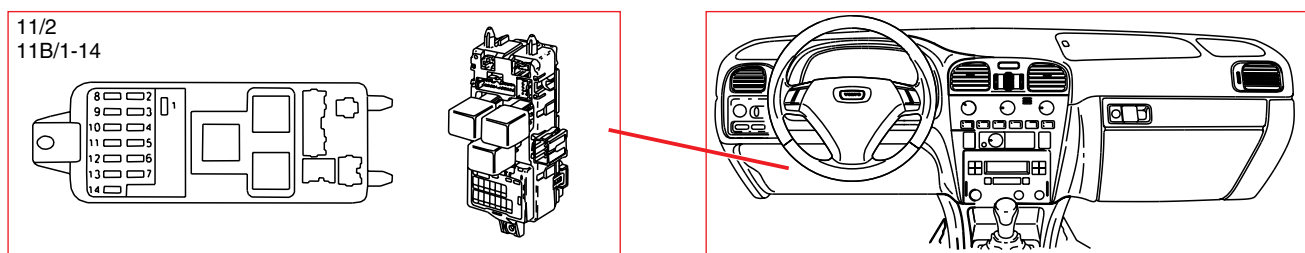


11B Fuses in passenger compartment

No.	Fuse function	via	A
1	2/19 Relay, passenger compartment fan max. speed 6/8 Motor, passenger compartment fan 4/9 Climate Control Module (CCM)	2/8 2/8 2/8	25
2	9/1 Front 12V socket, USA, CDN, AUS 9/1 Front 12V socket	2/41 -	20
3	2/18 Relay, power windows 4/39 Control module for locks and alarm, VGLA 6/49 Retractable driver's door mirror 6/50 Retractable passenger door mirror 8/26 Power passenger seat 17/19 12V socket, cargo compartment	3/57 3/57	10
4	4/28 ABS control module 4/38 Central Electronic Module CEM		10
5	7/12 Driver's seat temperature sensor 7/13 Passenger seat temperature sensor 9/3-6 Heating element, heated seats		20
6	2/21 Relay, direction indicators 8/16 Automatic transmission 9/12 Crankcase breather 10/18 LH reversing light 10/19 RH reversing light	3/5 4/38 4/38	15
	continues		

Fuses

Passenger compartment 11B/7-10

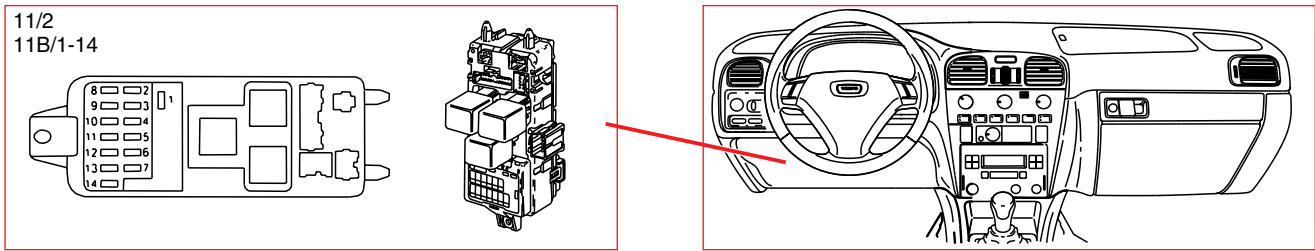


11B Fuses in passenger compartment

No.	Fuse function	via	A
7	2/23 Relay, shift lock 2/50 Relay, LPG 3/4 Control, cruise control 3/63 Switch, gas/gasoline, LPG 4/5 Control module, cruise control, EMS 2000 4/39 Control module for locks and alarm, VGLA 4/75 Control module LPG	3/51	10
8	2/21 Relay, direction indicators 4/39 Control module for locks and alarm, VGLA 10/1 FL direction indicator 10/2 FR direction indicator 10/3 Direction indicator, FL fender 10/4 Direction indicator, FR fender 10/22 RL direction indicator 10/23 RR direction indicator	3/5 4/39 4/39 4/39 4/39 4/39 4/39	15
9	2/41 Front 12V socket relay, USA, CDN, AUS 16/1 Radio 16/18 Bass speaker, V40 16/20 Audio amplifier 44/19:4 Accessory outlet, rear	44/13:16	15
10	6/1 Windshield wiper motor 6/2 Windshield washer pump 6/3 RH headlight wiper motor 6/4 LH headlight wiper motor	3/11 3/21 3/21 3/21	20
	continues		

Fuses

Passenger compartment 11B/11-14

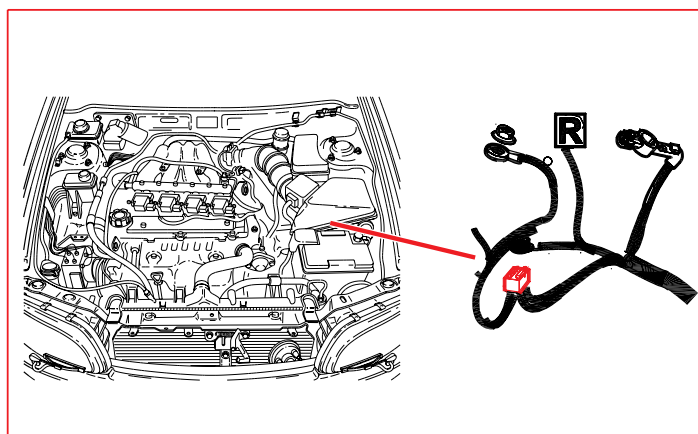


11B Fuses in passenger compartment

No.	Fuse function	via	A
11	2/14 Engine management system main relay 2/30 Relay, fuel injection/ignition, Melco 2 2/31 Fuel pump relay, Melco 2 4/3 Control module, Dynamic Stability Assistance (DSA) 4/4 Control module, Supplemental Restraint System (SRS) 4/18 Control module, electronic immobilizer 4/26 Engine management system 4/27 Transmission Control Module TCM 5/1 Driver information module		10
12	2/8 Relay, passenger compartment fan 2/9 Relay, heated rear window/door mirrors 4/4 Control module, Supplementary Restraint System (SRS), USA, KOR 4/11 Control module, power sunroof 4/35 Control module, key-inserted warning/seat belt reminder, USA, KOR 4/38 Central Electronic Module CEM 6/5 Sunroof motor 8/35 Alarm siren 10/31 Ceiling light for HL with reading lights 10/32 Ceiling light for LL 10/41 Lighting, front 12V socket	4/35 4/11 4/38	15
13	4/38 Central Electronic Module CEM 10/15 LH brake light 10/16 RH brake light 10/17 Auxiliary brake light 17/1 Data link connector	3/51 4/38 4/38 4/38	15
14	6/1 Windshield wiper motor 6/3 RH headlight wiper motor 6/4 LH headlight wiper motor 6/10 Rear window washer pump, V40 6/11 Rear window wiper motor, V40	3/12 4/38	20

Fuses

Accessories 11C, 11/3



11C Accessories, extra fuse box near the battery

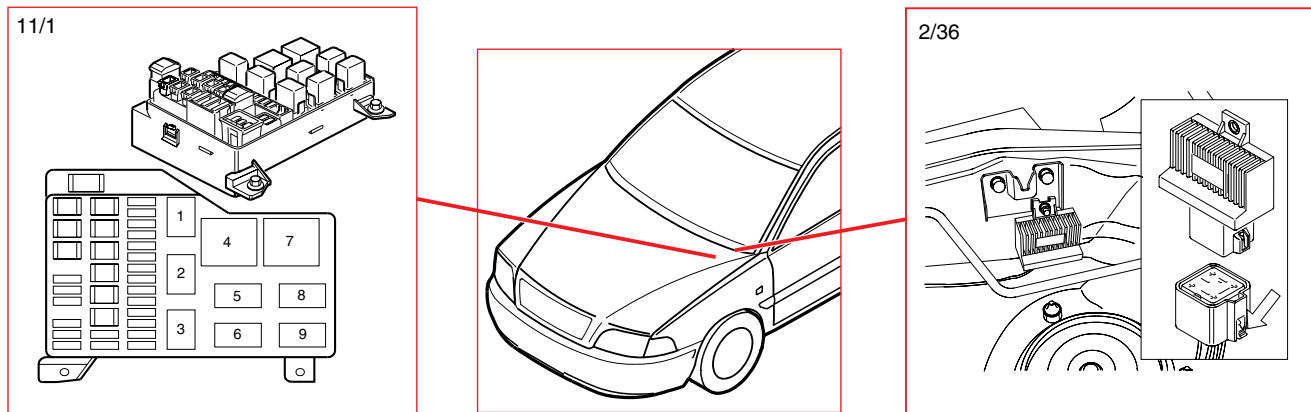
No.	Fuse function	via	A
1	4/7 Combustion Preheater Module CPM 4/32 Digital timer 44/43:1 Connector		15
2	2/65 Parking heater, auxiliary heater 4/9 Climate Control Module (CCM) 6/8 Motor, passenger compartment fan		25

11/3 Accessories, hanging fuse near the battery

No.	Fuse function	via	A
-	10/89 LH auxiliary lamp 10/90 RH auxiliary lamp	2/64	20

Relays

Engine compartment 1-9, misc.



Relays in the engine compartment

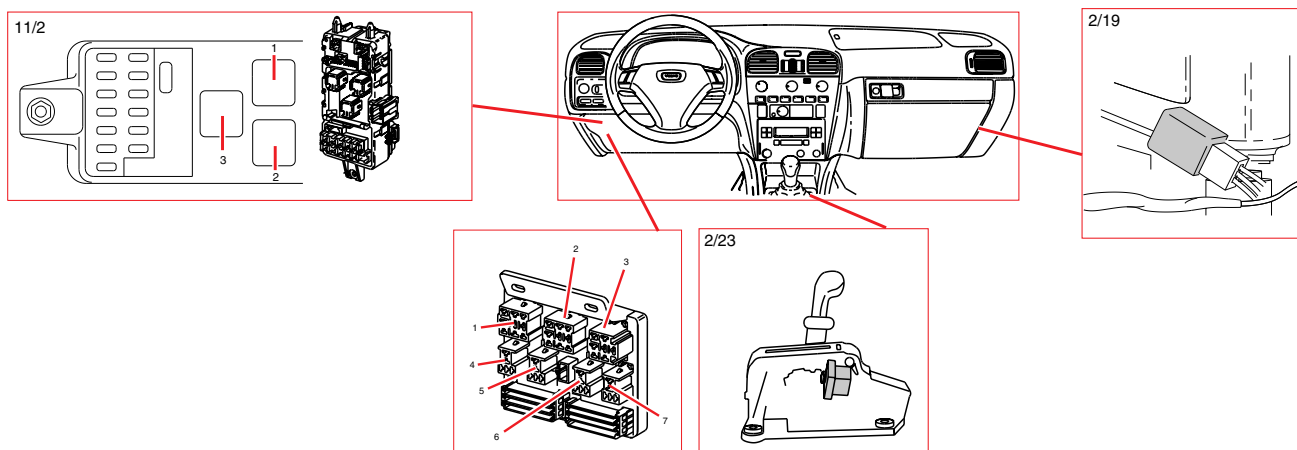
Pos	Relay function	
1	2/11	Relay, electric cooling fan, speed 1
2	2/10	Relay, AC compressor
3	2/13	Relay, AC condenser fan
4	2/28	Relay, electric cooling fan, speed 2
	2/30	Relay, fuel injection/ignition, Melco 2
6	2/32	Relay, fuel throttle body
	2/34	Relay, vacuum pump, automatic transmission
	2/50	Relay, LPG
7	2/14	Engine management system main relay
8	2/35	Horn relay
9	2/31	Fuel pump relay, Melco2, LPG

Other relays

Pos	Relay function	
-	2/36	Relay, glow plug unit, Diesel

Relays

Passenger compartment 1-7, misc.



Relays in passenger compartment fuse box

Pos	Relay function	
1	2/8	Relay, passenger compartment fan
2	2/9	Relay, heated rear window/door mirrors
3	2/21	Relay, direction indicators

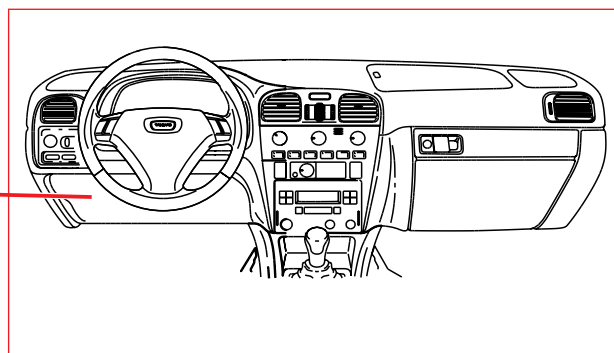
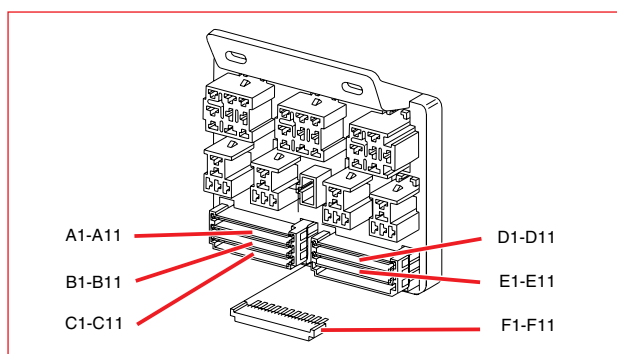
Relays in the passenger compartment

Pos	Relay function	
3	4/35	Control module, key-inserted warning/seat belt reminder, USA, KOR
4	2/7	Starter motor relay
5	2/18	Relay, power windows
6	2/41	Relay, front 12V socket, USA, CDN, AUS
7	2/51	Relay, key-inserted warning (EU/OS)

Other relays

Pos	Relay function	
-	2/19	Relay, passenger compartment fan max. speed
-	2/23	Relay, shift lock

Distribution rails 15/1 - 15/3



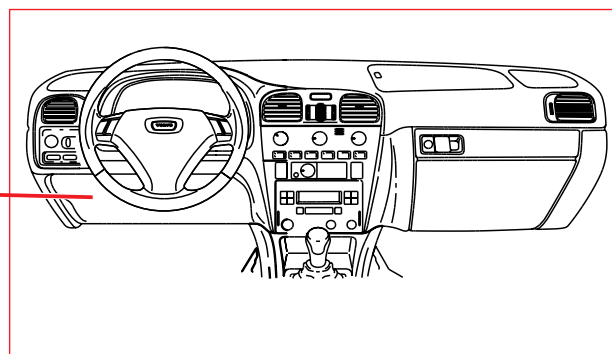
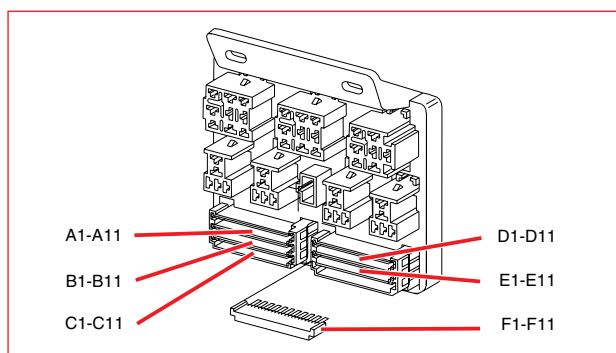
15/1 Distribution rail, dimmer for lighting		
A1	4/38_B2:22	Central Electronic Module CEM
A2	9/1:1	Front 12V socket
A3	3/23:1	Switch, reduced alarm
	3/57:3	Switch, retractable door mirrors
A4	4/9:1.7	Climate Control Module (CCM)
A5	10/42:2	Lighting, gear selector, automatic transmission
	10/43:1	Lighting, automatic transmission program selector
	3/63:3	Switch, gas/gasoline, LPG
A6	3/25:4	Switch, child safety lock

15/2 Distribution rail, central locking		
B1	4/39_B:12	Control module for locks and alarm, VGLA
B2	6/55:2	Lock motor, fuel filler flap, EU/OS
	6/32:1	Central locking, trunk lid/tailgate EU/OS
B3	6/30:1	Central locking, rear driver's side door
	6/38:2	Central locking with deadlock, driver's side, rear
B4	6/31:1	Central locking, rear passenger side
	6/39:2	Central locking with deadlock, passenger side, rear
B5	6/29:1	Central locking, passenger door
	6/37:2	Central locking with deadlock, passenger door
B6	6/28:1	Central locking, driver's door
	6/36:2	Central locking with deadlock, driver's door

15/3 Distribution rail, central locking		
B8	11A/9	Fuses in the engine compartment
B9	4/39_B:1	Control module for locks and alarm, VGLA
B10	4/40:5	Receiver, VGLA (USA)
	2/51:3	Relay, key-inserted warning (EU/OS)
B11	4/41:1	Control module, ultrasonic glass breakage sensor

Distribution rails

15/4 - 15/6



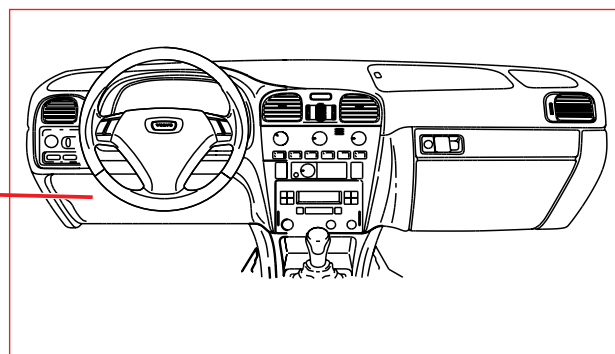
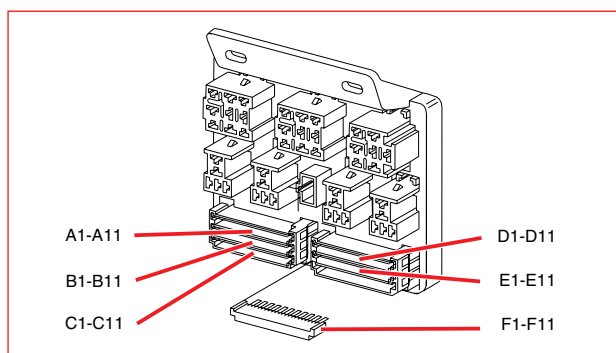
15/4 Distribution rail, central locking		
C1	4/39_B:2	Control module for locks and alarm, VGLA
C2	6/55:1	Lock motor, fuel filler flap, EU/OS
	6/32:2	Central locking, trunk lid/tailgate
C3	6/30:2	Central locking, rear driver's side door
	6/38:1	Central locking with deadlock, driver's side, rear
C4	6/31:2	Central locking, rear passenger side
	6/39:1	Central locking with deadlock, passenger side, rear
C5	6/28:2	Central locking, driver's door
	6/36:1	Central locking with deadlock, driver's door
C6	6/29:2	Central locking, passenger door
	6/37:1	Central locking with deadlock, passenger door

15/5 Distribution rail LHD USA, KOR		
C8	4/35:3	Control module, key-inserted warning/seat belt reminder
C9	3/27:1	Driver's door contact
C10	4/39_A:23	Control module for locks and alarm, VGLA

15/6 Distribution rail, ground connections		
D1	3/25:5	Switch, child safety lock
D3	31/1	Ground connection
D4	3/14:1	Switch, brake pedal, cruise control, Diesel, Melco 2, USA
	3/63:1	Switch, gas/gasoline, LPG
	3/57:1	Switch, retractable door mirrors
D5	3/3:3	Switch, direction indicators/high and low beams
D6	17/1:4	Data link connector
D7	17/1:5	Data link connector
D8	4/9:1.8	Climate Control Module (CCM)
D9	4/18:8	Control module, electronic immobilizer
D10	4/5:10	Control module, cruise control

Distribution rails

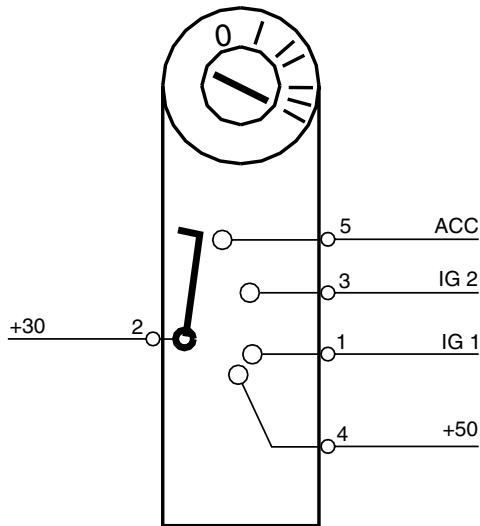
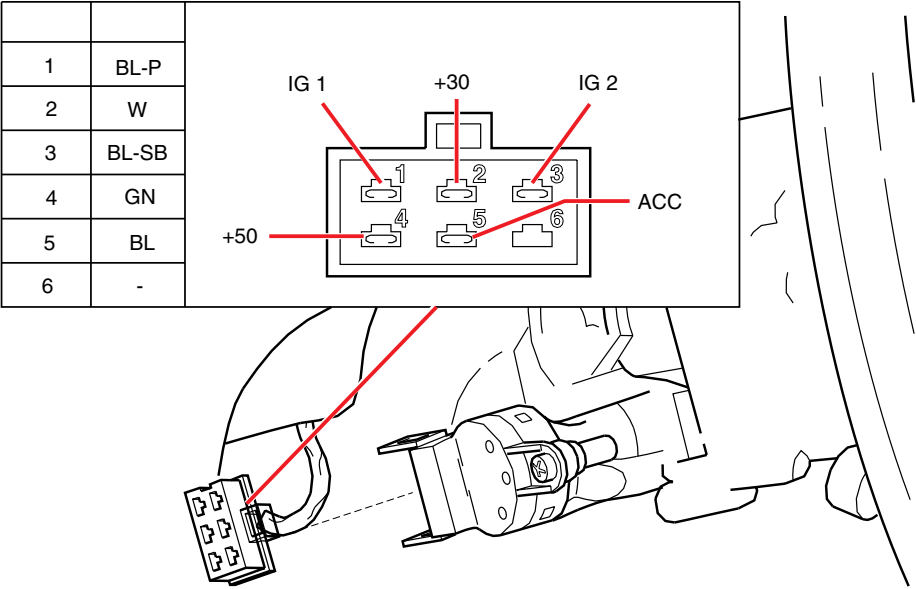
15/7 - 15/8



15/7 Distribution rail, diagnostics system		
E1	5/1_B:3	Driver information module
E3	4/4:75	Control module, Supplemental Restraint System (SRS)
E4	4/18:3	Control module, electronic immobilizer
E5	4/39_B:19	Control module for locks and alarm, VGLA
E6	4/27:13 4/3:14 4/26_C:15 4/75_J1:31	Transmission Control Module TCM Control module, Dynamic Stability Assistance (DSA) Engine management system, Melco 2 Control module LPG
E7	4/38_B2:7	Central Electronic Module CEM
E8	17/1:7 4/6:5	Data link connector Control module, xenon lamps
E9	4/28:11	ABS control module
E10	4/9:1.30	Climate Control Module (CCM)

15/8 Distribution rail, ground connections		
F1	3/23:2	Switch, reduced alarm
F3	31/1	Ground connection
F4	9/8:5 6/50:5 3/34:3 3/37:3	Heated door mirror, passenger door Retractable passenger door mirror Switch unit, passenger door power window Switch, central locking, passenger door
F5	7/40:5	Vehicle inclination sensor
F6	4/41:5	Control module, ultrasonic glass breakage sensor
F7	3/15:1 4/35:2	Clutch pedal contact, cruise control Diesel, Melco 2 Control module, key-inserted warning/seat belt reminder, USA, KOR
F8	2/41:2	Relay, front 12V socket, USA, CDN, AUS
F10	4/40:4	Receiver, VGLA
F11	2/18:2	Relay, power windows

Ignition switch



	→	+30 2	ACC 5	IG 2 3	IG 1 1	+50 4
Ⓢ	0	×				
	I	×	×			
	II	×	×	×	×	
	III	×			×	×

Key position	Function	Current on connection
0 +30	Constant current from battery	2
I ACC	Option position (radio position)	2 and 5
II IG1 IG2	Contact remains connected during start Contact breaks during start	1, 2, 3 and 5 1 and 2
III +50	Start	1, 2 and 4

31/1	
43/416 -11/2_J:14 -31/2 -44/17:3 -44/18:4	Junction point -fuse box in passenger compartment -ground connection -connector -connector
15/8:F3	Distribution rail
15/6:D3	Distribution rail
43/401 -2/19:2 -4/14:2	Junction point -relay, passenger compartment fan max. speed -control module, passenger compartment fan speed control
43/428 -3/27:2 -3/28:2 -7/12:1 -7/13:1 -8/25:3 -8/26:3 -9/1:3	Junction point -driver's door contact -passenger door contact -sensor, driver's seat temperature -sensor, passenger seat temperature -power driver's seat -power passenger seat -front 12V socket

31/2	
4/38_B2:1	Central Electronic Module CEM
44/41:3	Connector
44/9:7	Connector
4/39_A:1	Control module for locks and alarm, VGLA
43/416 -11/2_J:14 -31/1 -44/17:3 -44/18:4	Junction point -fuse box in passenger compartment -ground connection -connector -connector

31/3	
16/1_A:8	Radio
16/1_A:12	Radio

Ground connections

31/4 - 31/5

31/4 EMS 2000	
43/317 -6/1:5 -6/54:2 -7/9:2 -8/42:1 -9/12:2	Junction point -windshield wiper motor -vacuum pump, automatic transmission -brake fluid level sensor -cut-off valve, engine, LPG -crankcase breather, LPG

31/4 Melco 2	
43/328 -43/326 -4/33:14 -4/33:22 -6/1:5 -7/9:2	Junction point -junction point -control module, fuel system Melco 2 -control module, fuel system Melco 2 -windshield wiper motor -brake fluid level sensor
43/376 -31/7 -43/321 -43/375	Junction point -ground connection -junction point -junction point

31/4 Diesel	
43/331 -4/26_2:L3 -4/26_2:L4 -4/26_2:M4 -7/50:6	Junction point -engine management system -engine management system -engine management system -mass airflow sensor MAF
43/330 -6/1:5 -7/9:2 -9/10A	Junction point -windshield wiper motor -brake fluid level sensor -fuel preheater

31/5	
1/1	Battery

31/6	
43/353 -20/16:- -43/351 -43/354 -44/20:4	Junction point -capacitor -junction point -junction point -connector

31/7 EMS 2000	
43/305 -4/3:9 -4/26:3 -4/26:28 -4/26:33 -4/26:67 -43/302	Junction point -control module, Dynamic Stability Assistance (DSA) -engine management system -engine management system -engine management system -engine management system -junction point

31/7 Melco 2	
43/376 -31/4 -43/321 -43/375	Junction point -ground connection -junction point -junction point
43/305 -4/3:9	Junction point -control module, Dynamic Stability Assistance (DSA)

31/7 Bi-fuel	
43/305 -4/3:9 -4/26:3 -4/26:28 -4/26:33 -4/26:67 -4/75_J2:20 -4/75_J2:19 -44/1:16	Junction point -control module, Dynamic Stability Assistance (DSA) -engine management system -engine management system -engine management system -engine management system -control module LPG -control module LPG -connector

31/8	
43/342 -6/9:1 -6/26:1 -10/11:2 -10/84:3 -10/11:2 -43/337 -43/347	Junction point -motor, electric cooling fan, Melco 2 -motor, two-speed cooling fan, EMS 2000 Turbo, Diesel -FL side marker light -LH headlight -FL side marker light -junction point -junction point

Ground connections

31/9 - 31/12

31/9	
43/340	Junction point
-4/28:16	-ABS control module
-4/28:19	-ABS control module
-8/35:6	-alarm siren
-10/12:2	-FR direction indicator
-10/85:3	-RH headlight
-43/337	-junction point
-43/344	-junction point

31/10 S40	
43/615	Junction point
-3/29:2	-contact, RL door
-6/14:6	-power antenna
-10/17:5	-auxiliary brake light
-10/28:2	-RL side marker light
-10/64_1:4	-RL lamp housing
-10/64_2:5	-RL lamp housing
-44/19:2	-accessory outlet, rear
-44/32:2	-connector
4/108A:8	Parking Assistance Module, accessories
17/19:2	12V socket, cargo compartment, accessories

31/11 S40	
43/614	Junction point
-3/30:2	-contact, RR door
-9/2	-heated rear window
-10/29:2	-RR side marker light
-10/65_1:4	-RR lamp housing
-10/65_2:5	-RR lamp housing
8/43:1	Cut-off valve, tank, LPG
4/108A:8	Parking Assistance Module, accessories

31/12 V40	
43/610	Junction point
-10/28:2	-RL side marker light
-10/64:4	-RL lamp housing
-44/19:2	-accessory outlet, rear
-3/29:2	-contact, RL door
-3/30:2	-contact, RR door
-44/13:21	-connector
44/33:2	Connector
4/108A:8	Parking Assistance Module, accessories
17/19:2	12V socket, cargo compartment, accessories

Ground connections

31/13 - 31/102

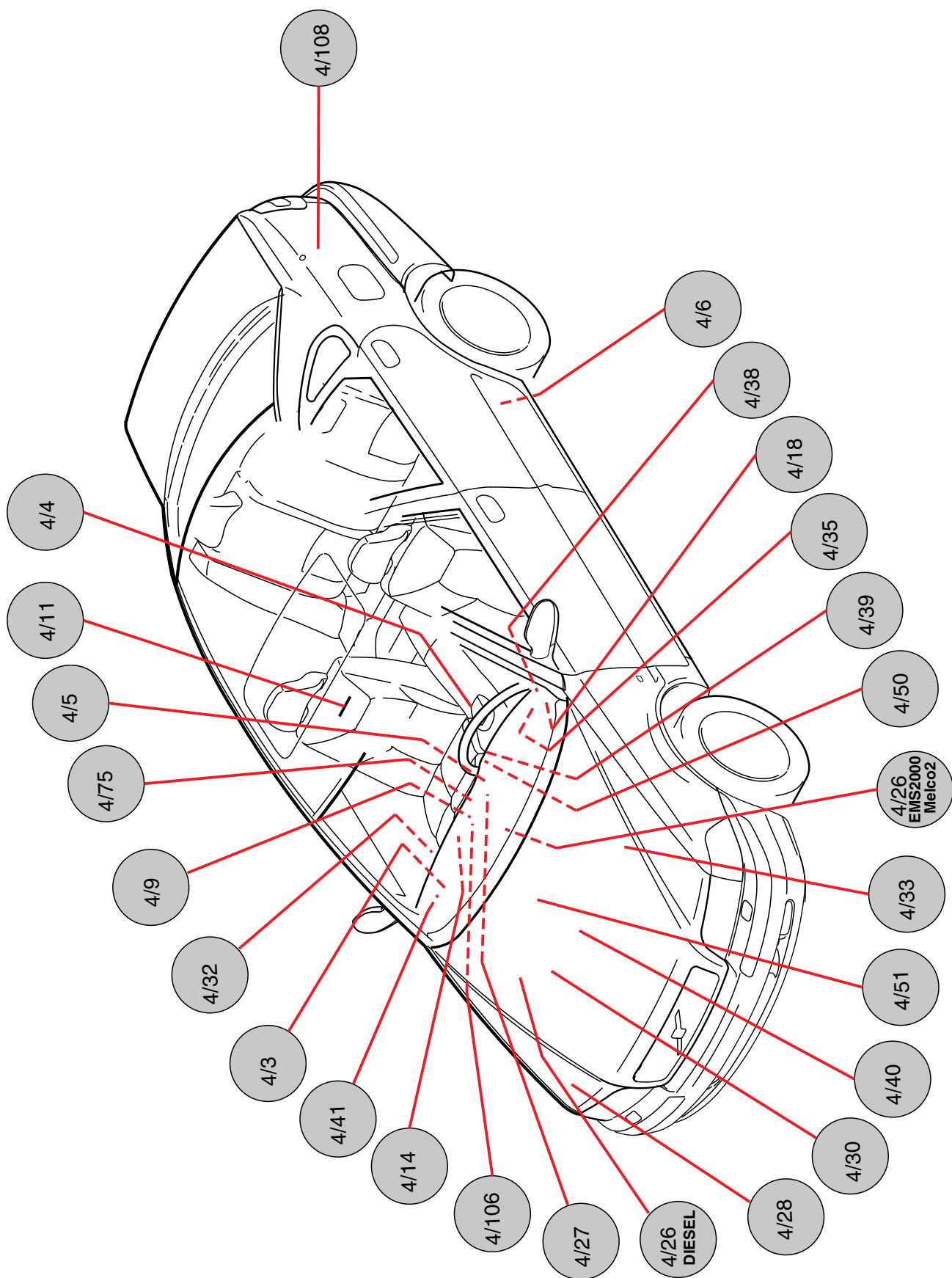
31/13 V40	
10/65:4	RR lamp housing
43/621 -8/43:1 -16/18:23	Junction point LPG -cut-off valve, tank -bass speaker passive/active
16/18:23	Bass speaker passive/active

31/14 Melco 2	
43/326 -43/328 -4/30_1:2 -4/30_2:2 -4/30_3:2 -4/30_4:2 -7/64:4	Junction point -junction point -ignition coils -ignition coils -ignition coils -ignition coils -IGF sensor

31/15	
1/1	Battery

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

Control modules
Overview, Location

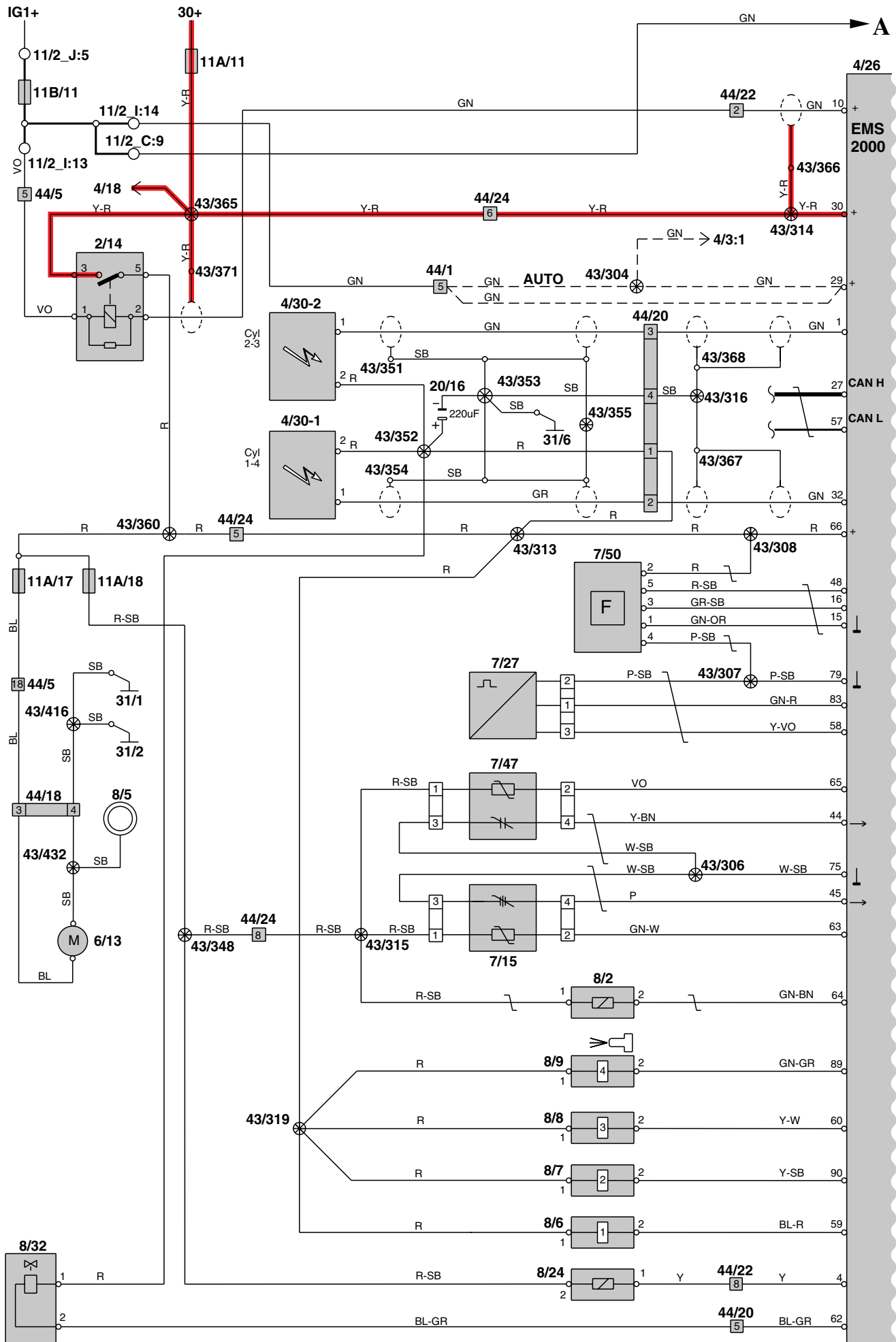


Control modules Overview, Designation

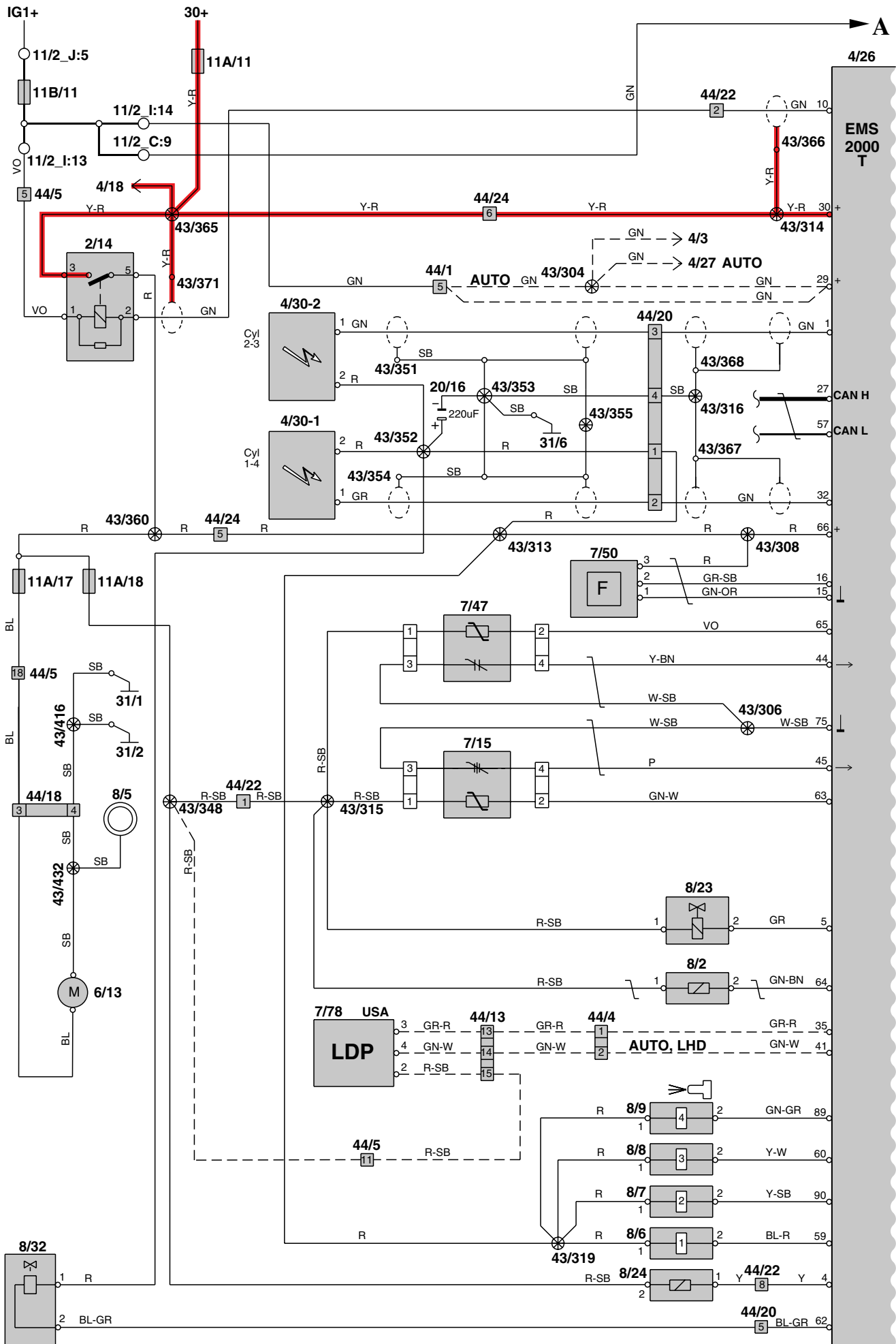
Unit	Designation
4/3	Control module, Dynamic Stability Assistance (DSA)
4/4	Control module, Supplemental Restraint System (SRS)
4/5	Control module, cruise control
4/6	Control module, xenon lamps
4/9	Climate Control Module (CCM)
4/11	Control module, power sunroof
4/14	Control module, passenger compartment fan speed control
4/18	Control module, electronic immobilizer
4/26	Engine management system
4/27	Transmission Control Module TCM
4/28	ABS control module
4/30	Ignition coils
4/32	Digital timer
4/33	Control module, fuel system Melco 2
4/35	Control module, key-inserted warning/seat belt reminder
4/38	Central Electronic Module CEM
4/39	Control module for locks and alarm, VGLA
4/40	Receiver, VGLA
4/41	Control module, ultrasonic glass breakage sensor
4/50	Control module, fuel throttle body
4/75	Control module LPG
4/106	Control module, parking heater remote start
4/108	Parking Assistance Module

Group 23

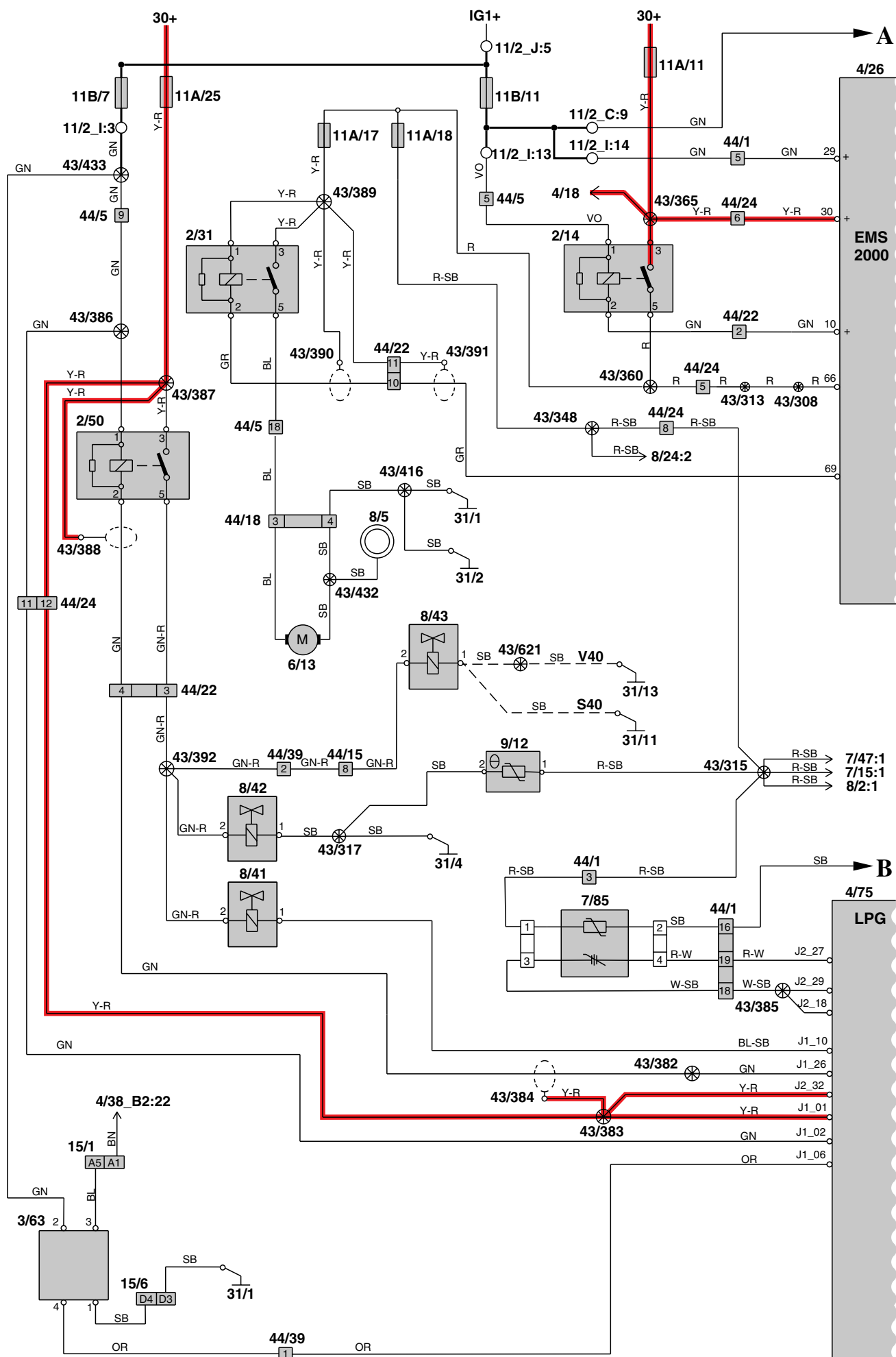
Engine management system, EMS 2000



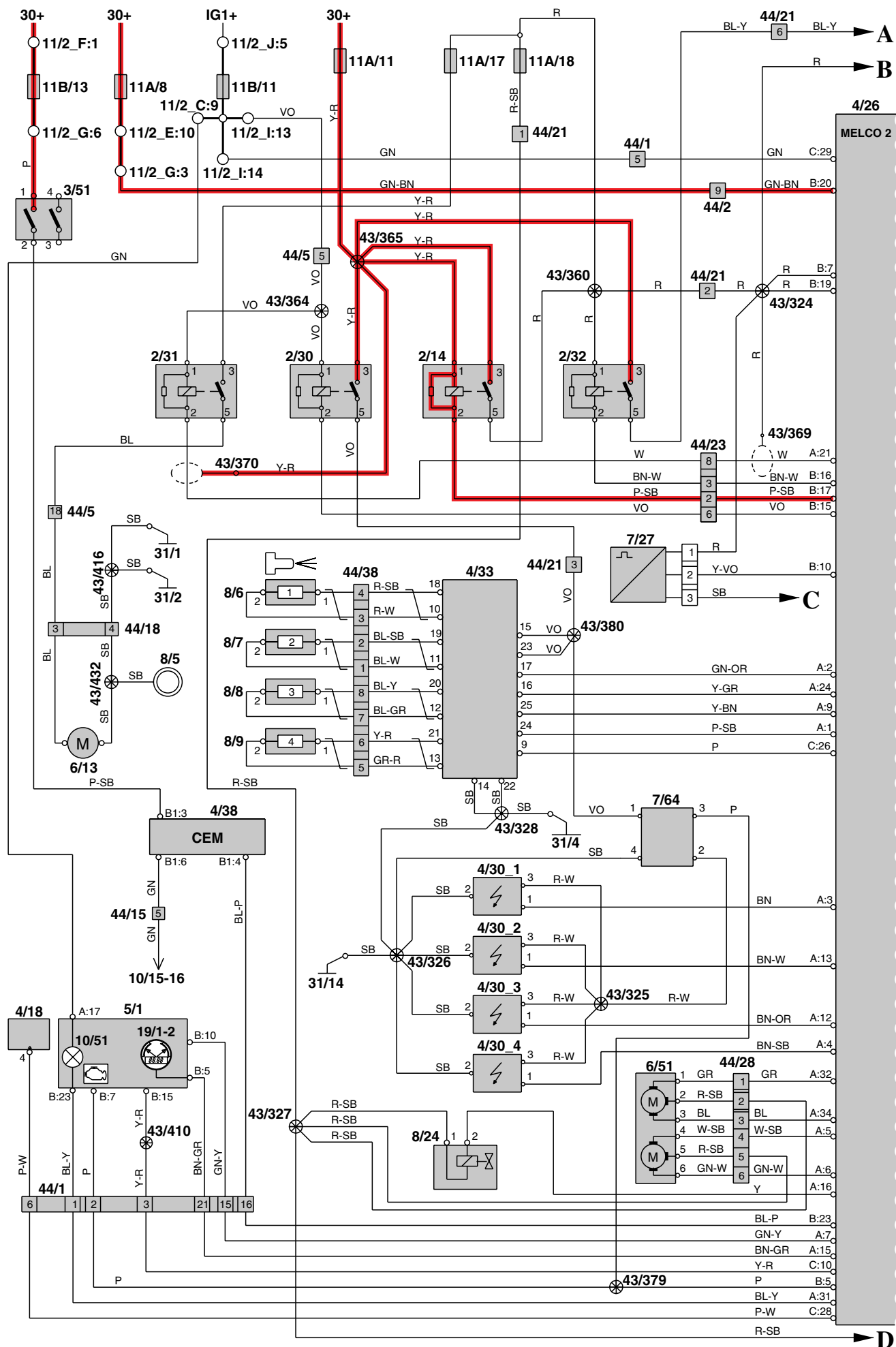
Engine management system, EMS 2000 Turbo



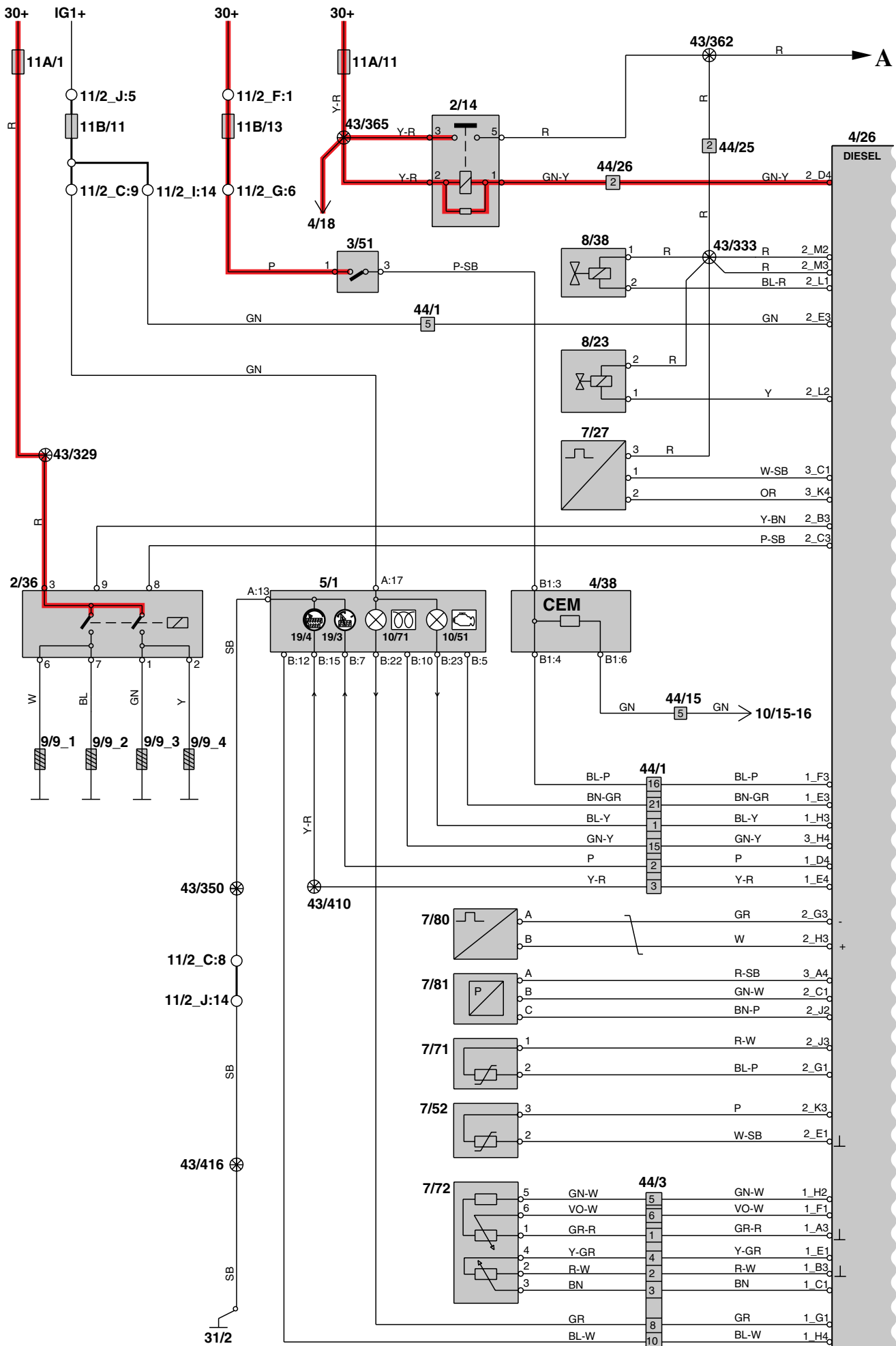
Engine management system, Bi-fuel



Engine management system, Melco 2

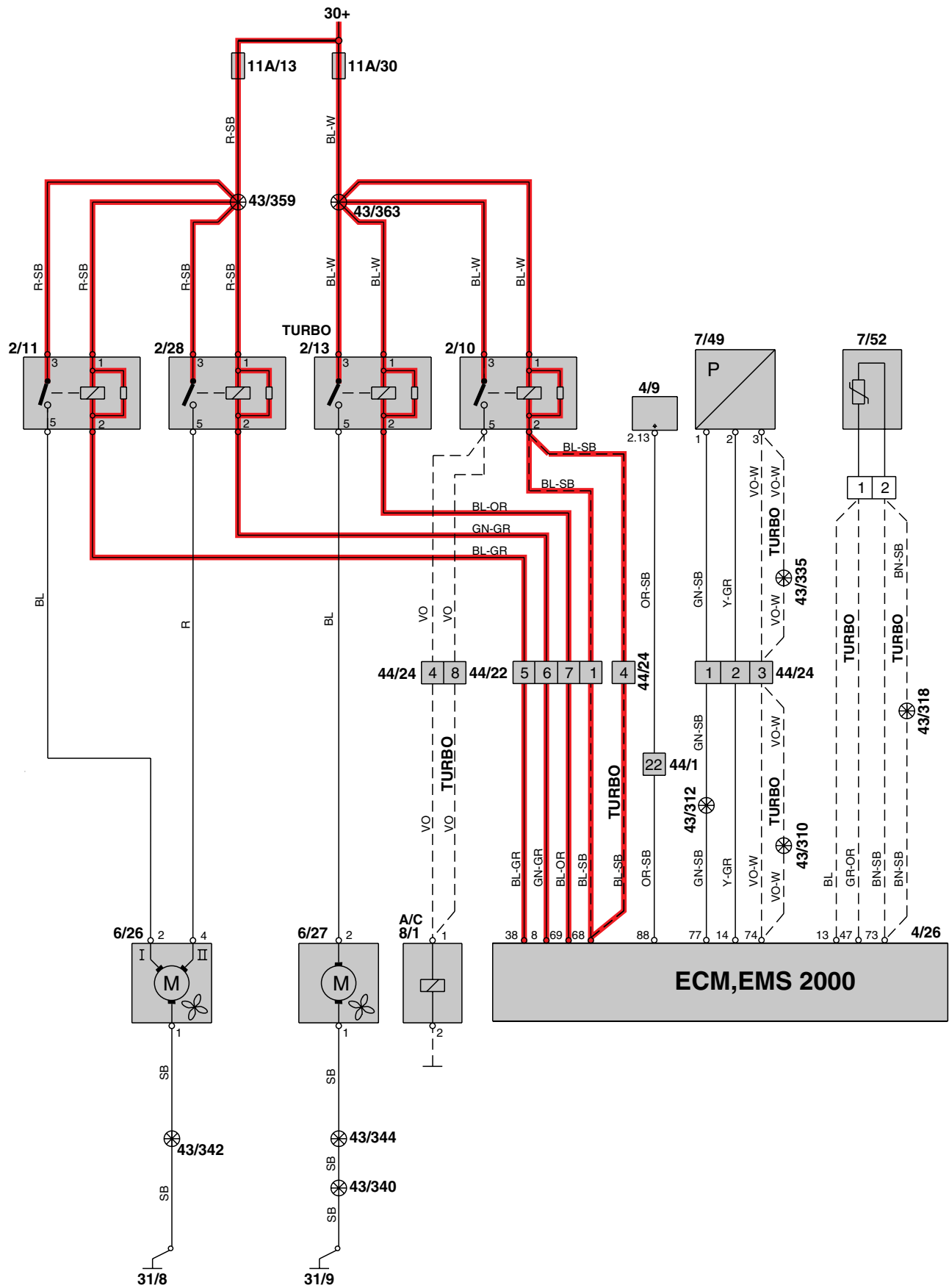


Engine management system, Diesel

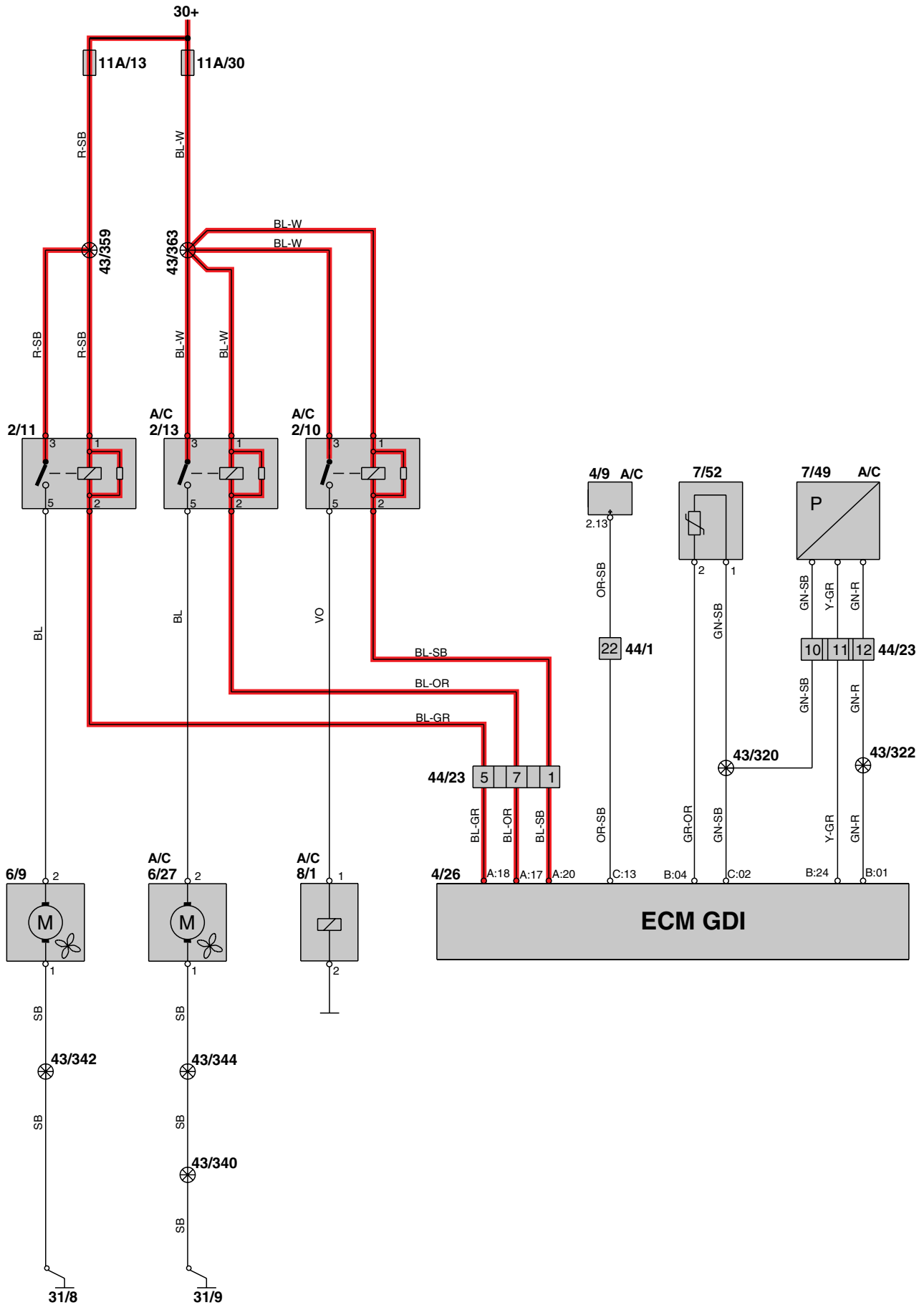


Group 26

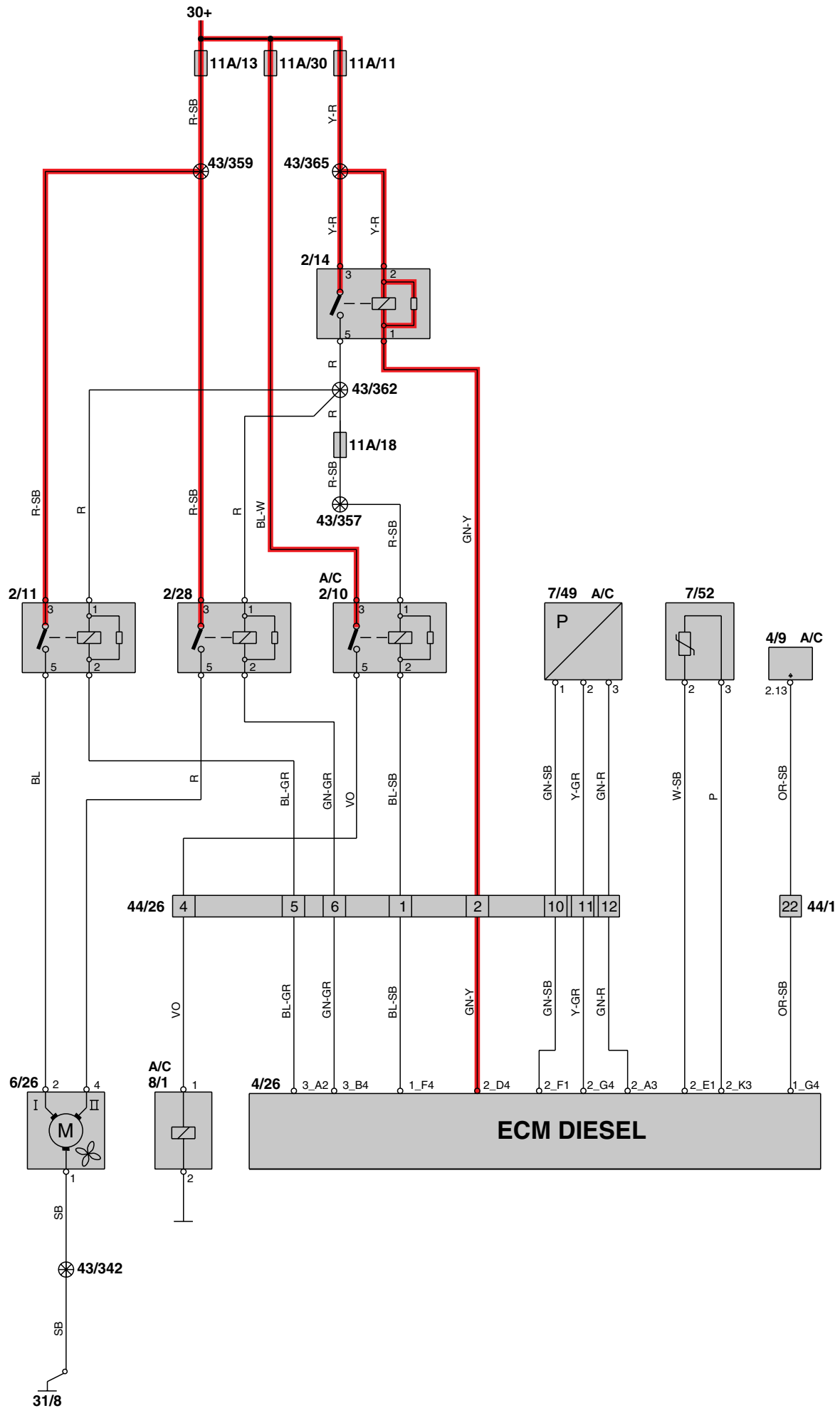
Electric cooling fan/ AC compressor EMS 2000

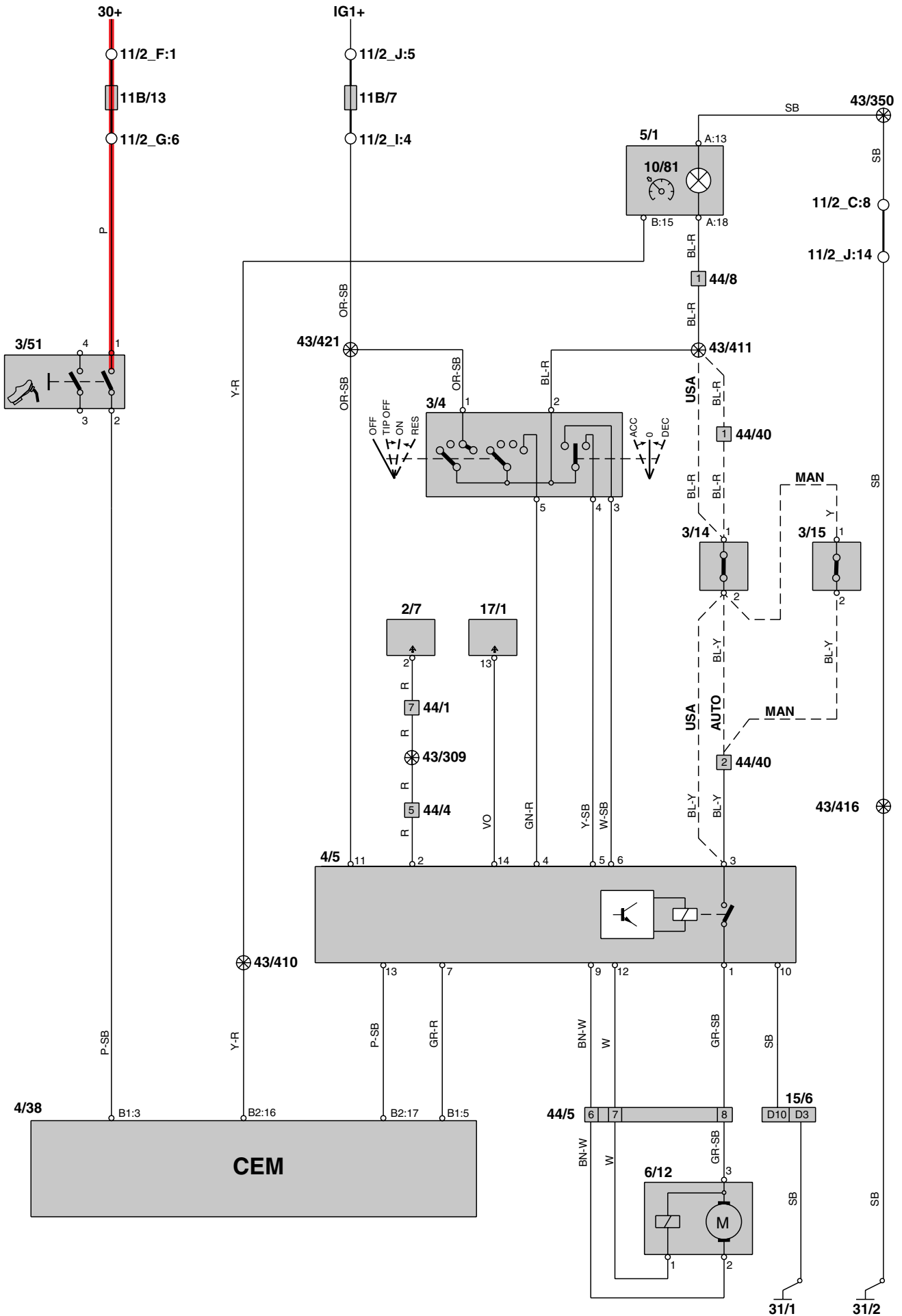


Electric cooling fan/ AC compressor Melco 2

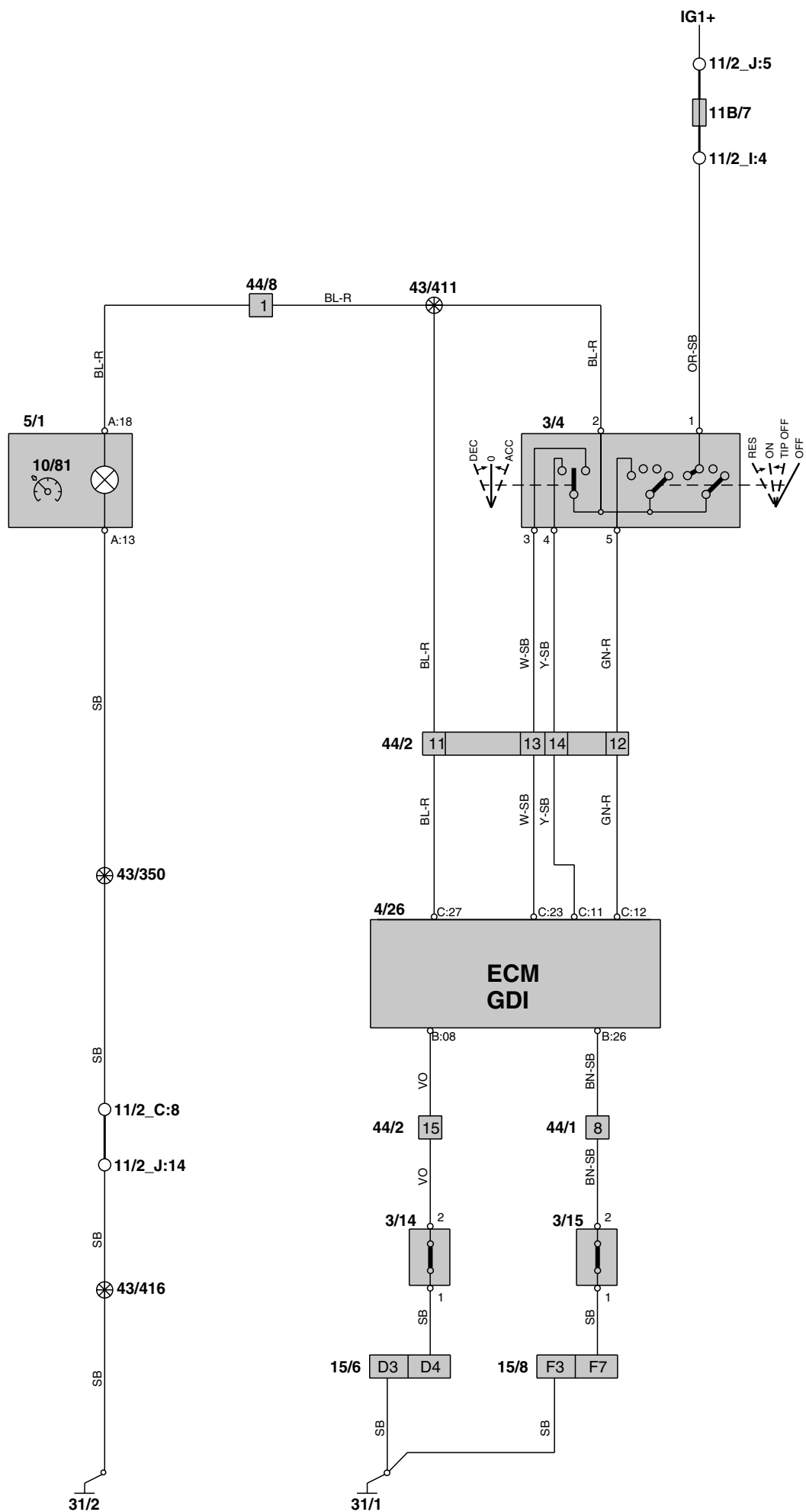


Electric cooling fan/ AC compressor Diesel

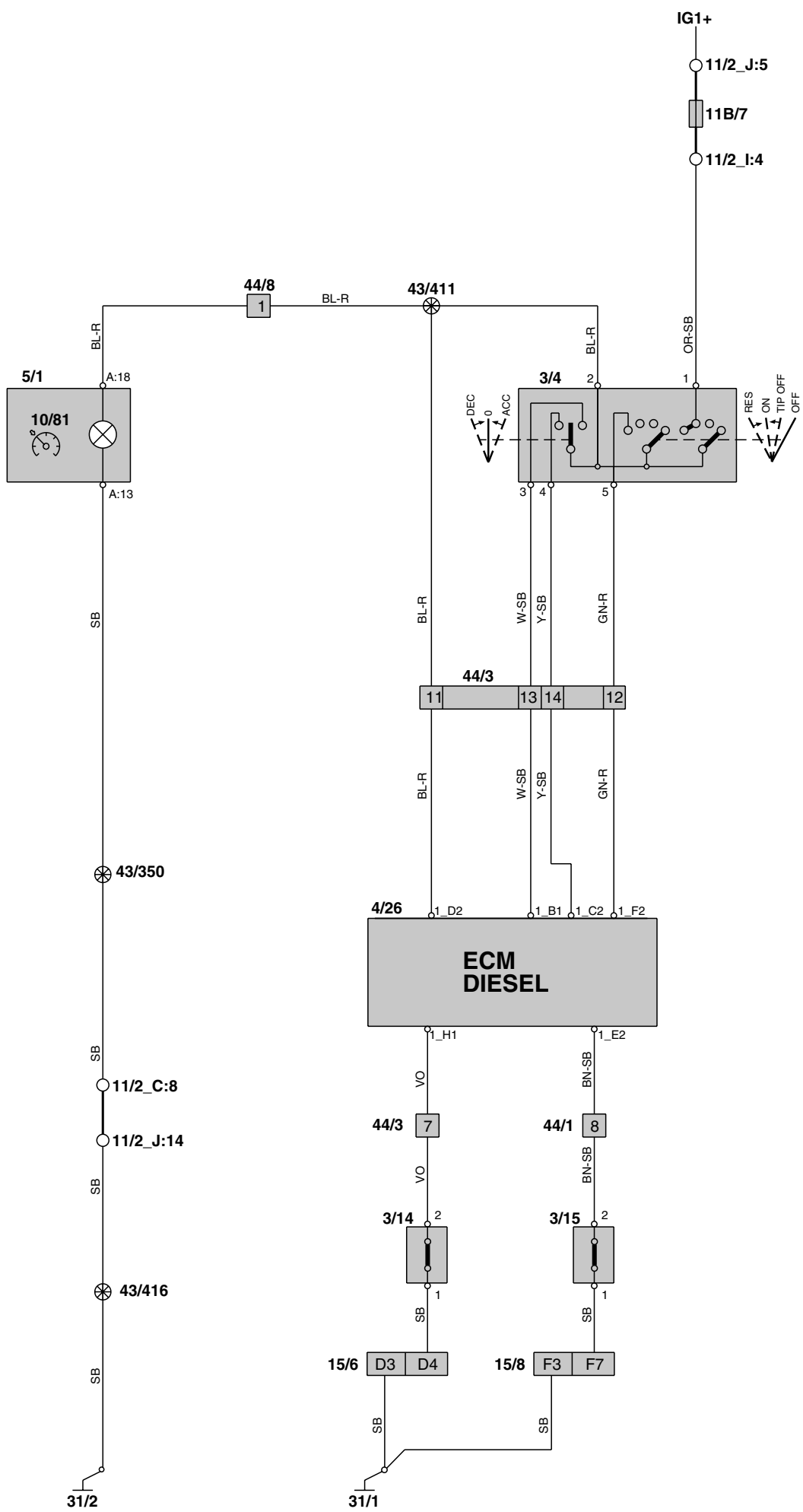




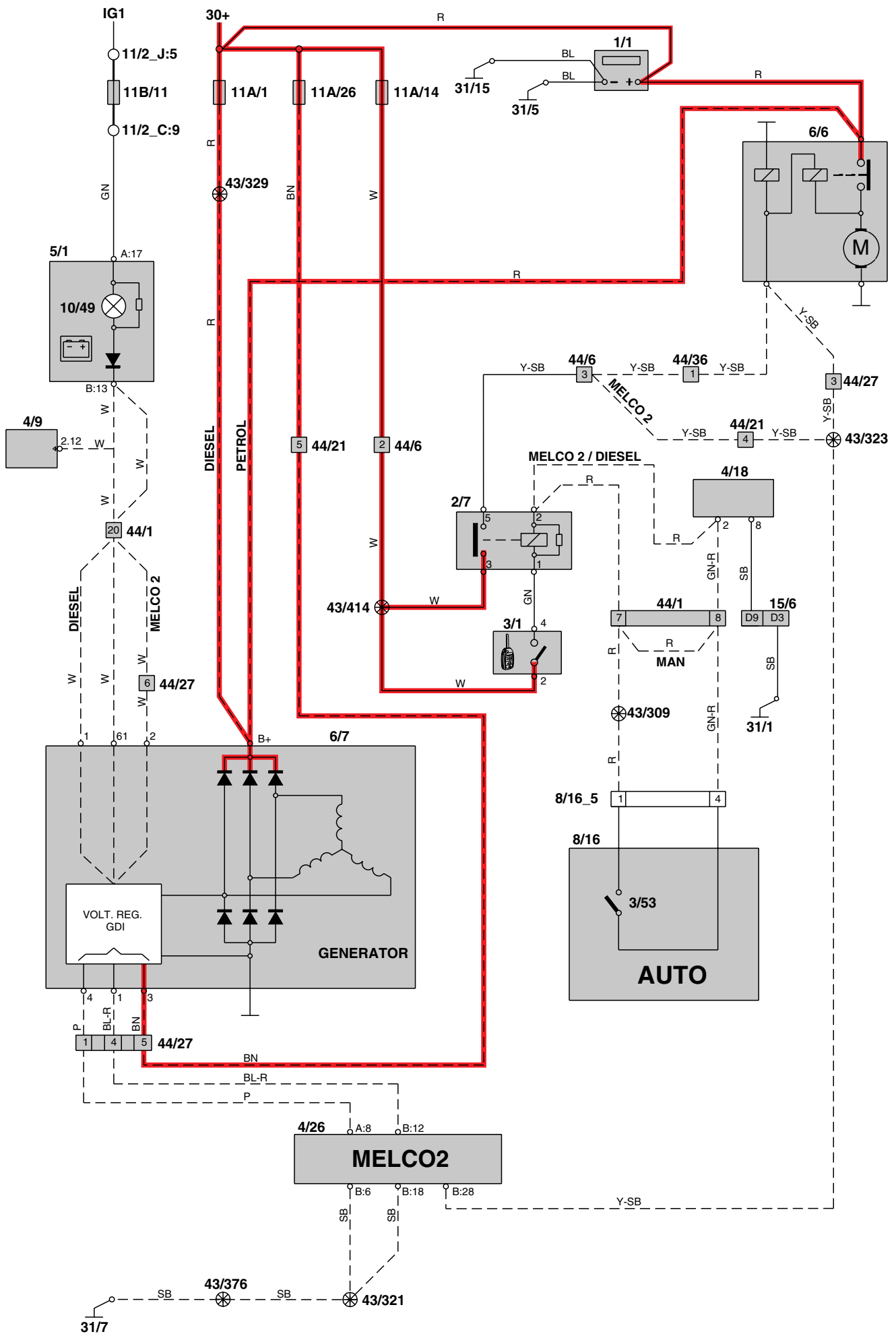
Cruise control, Melco 2



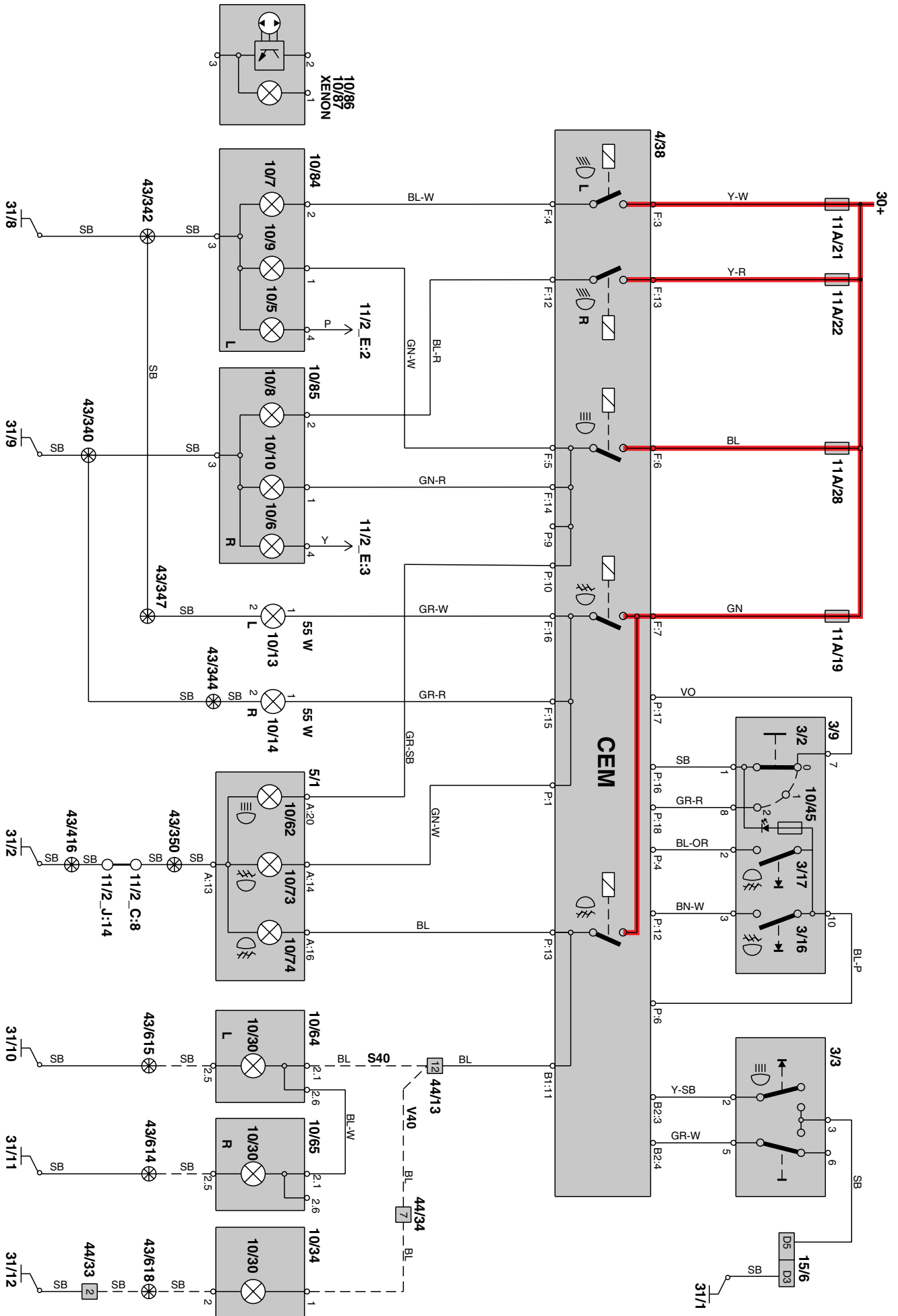
Cruise control, Diesel



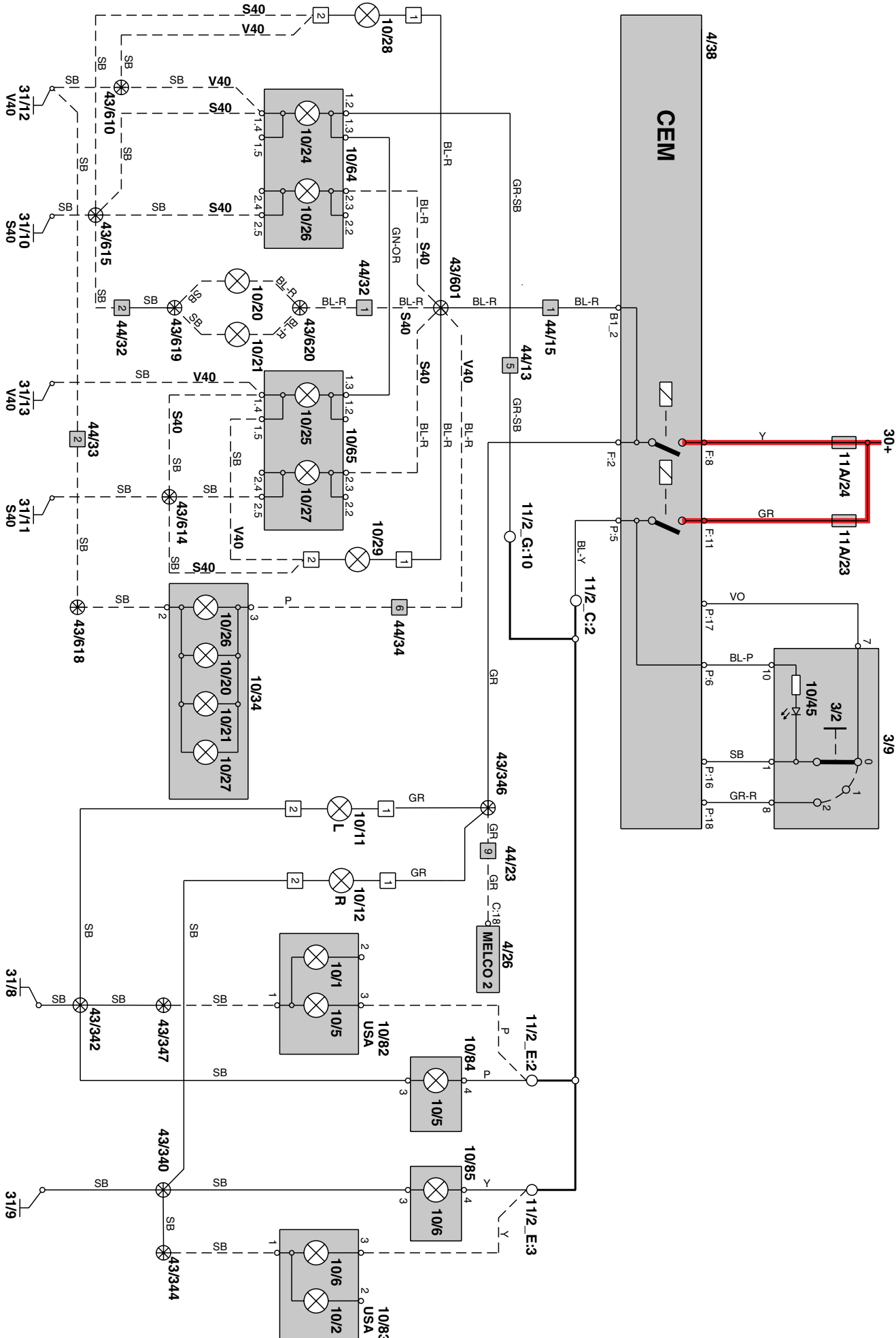
Charging circuit, Starting circuit



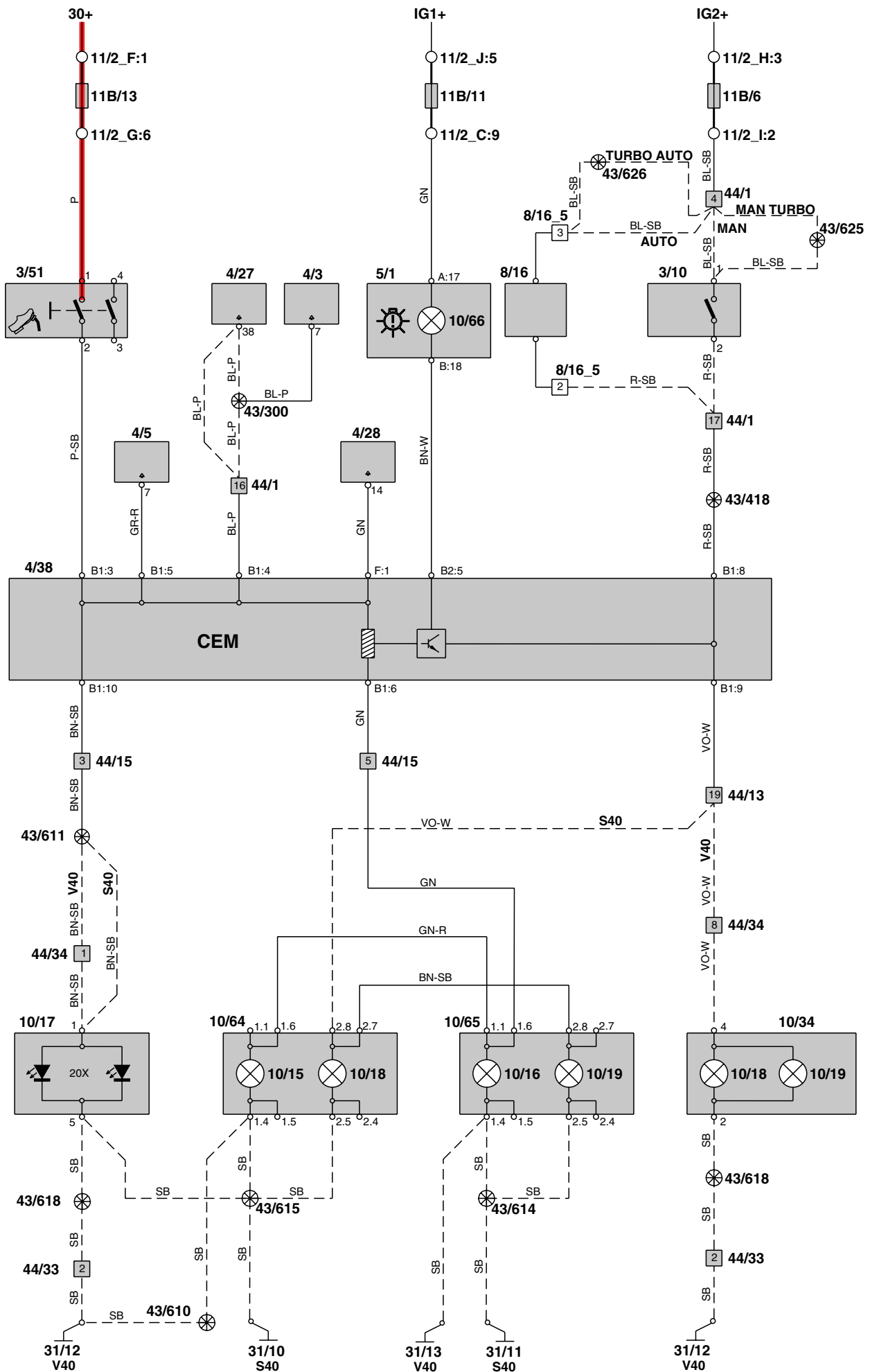
Group 35 High and low beams, Fog lights



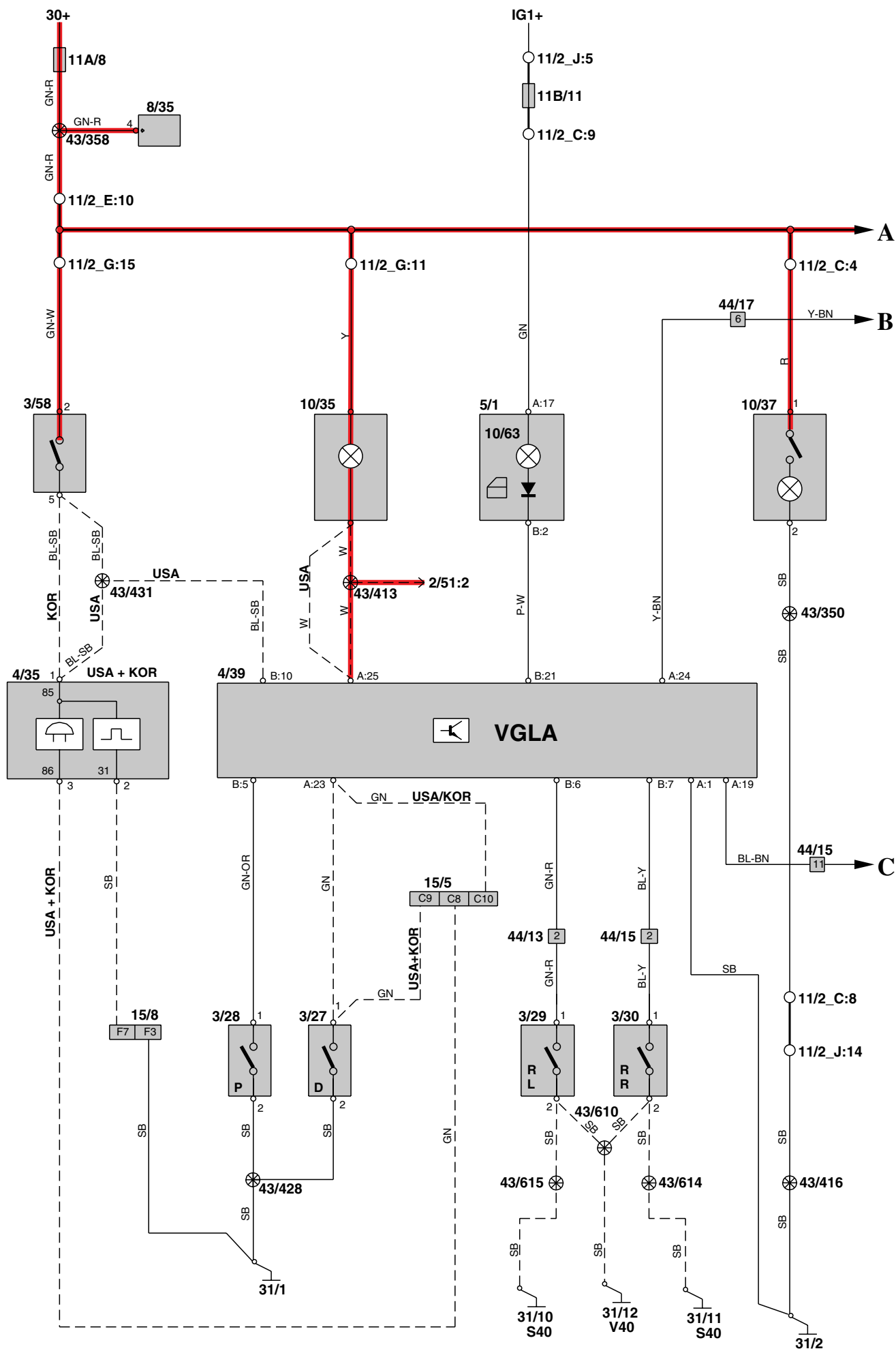
Tail lights/Position/parking lights
License plate lighting



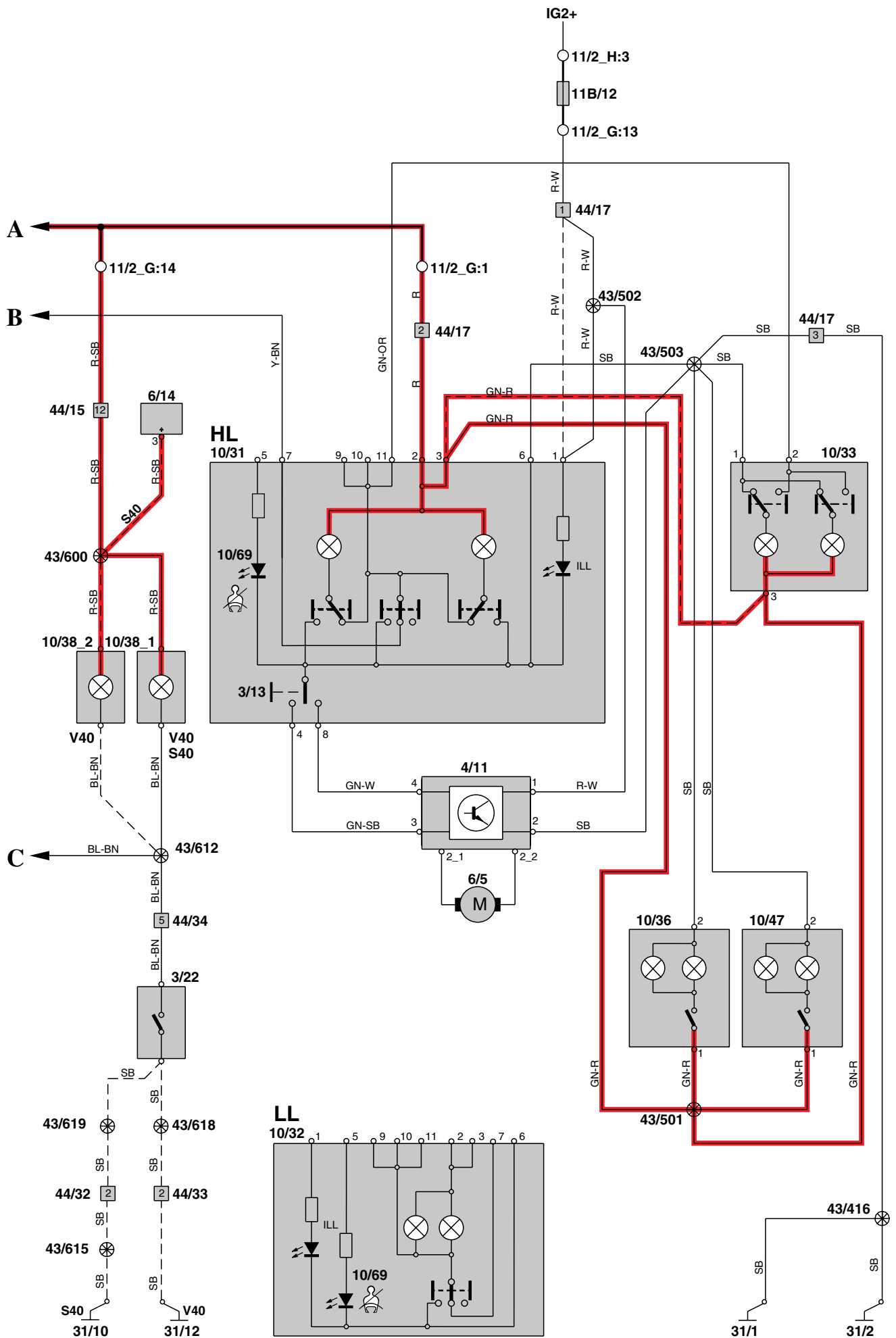
Reversing and brake lights, filament monitor



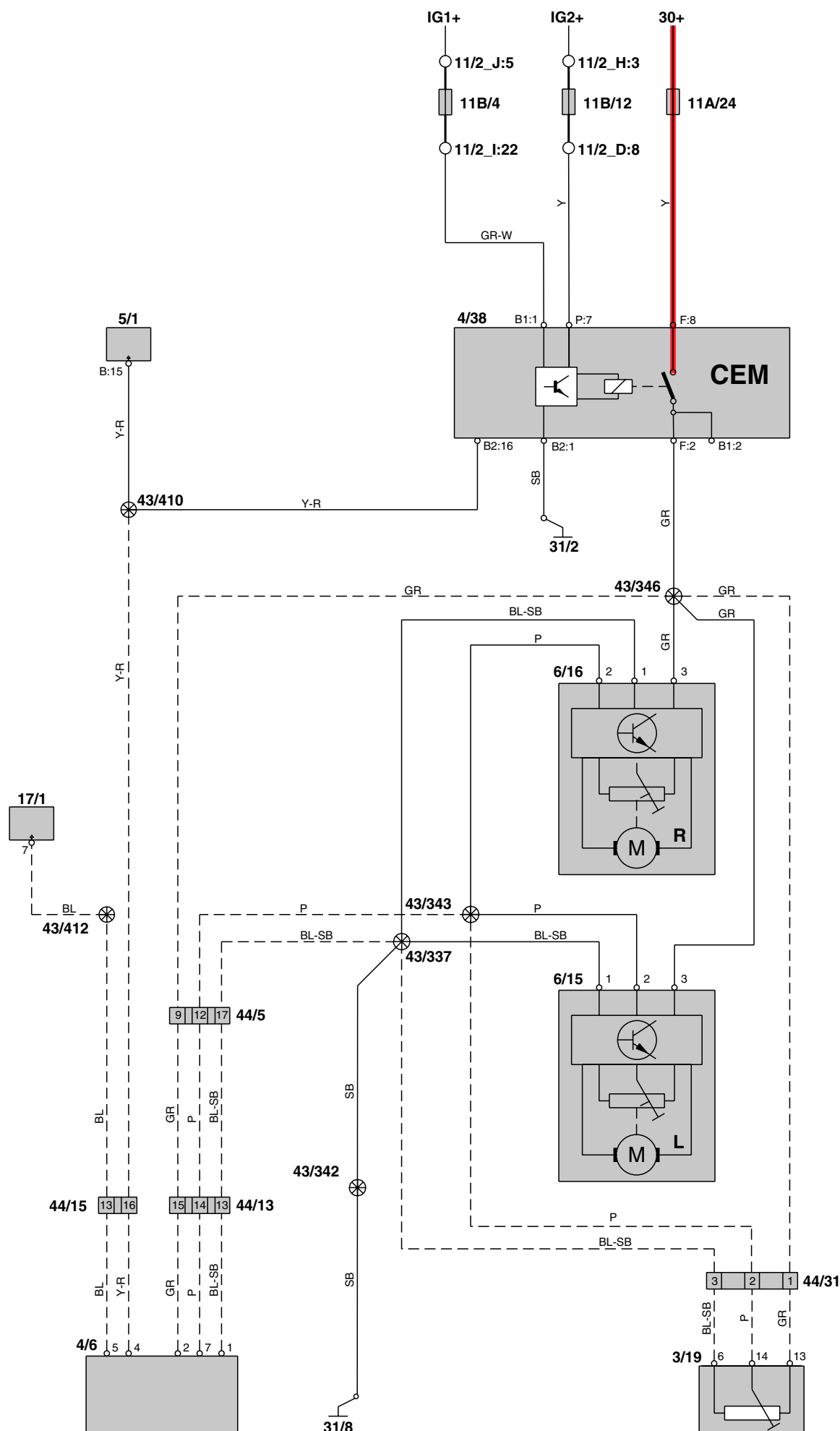
Interior lighting, power sunroof
Key-inserted warning



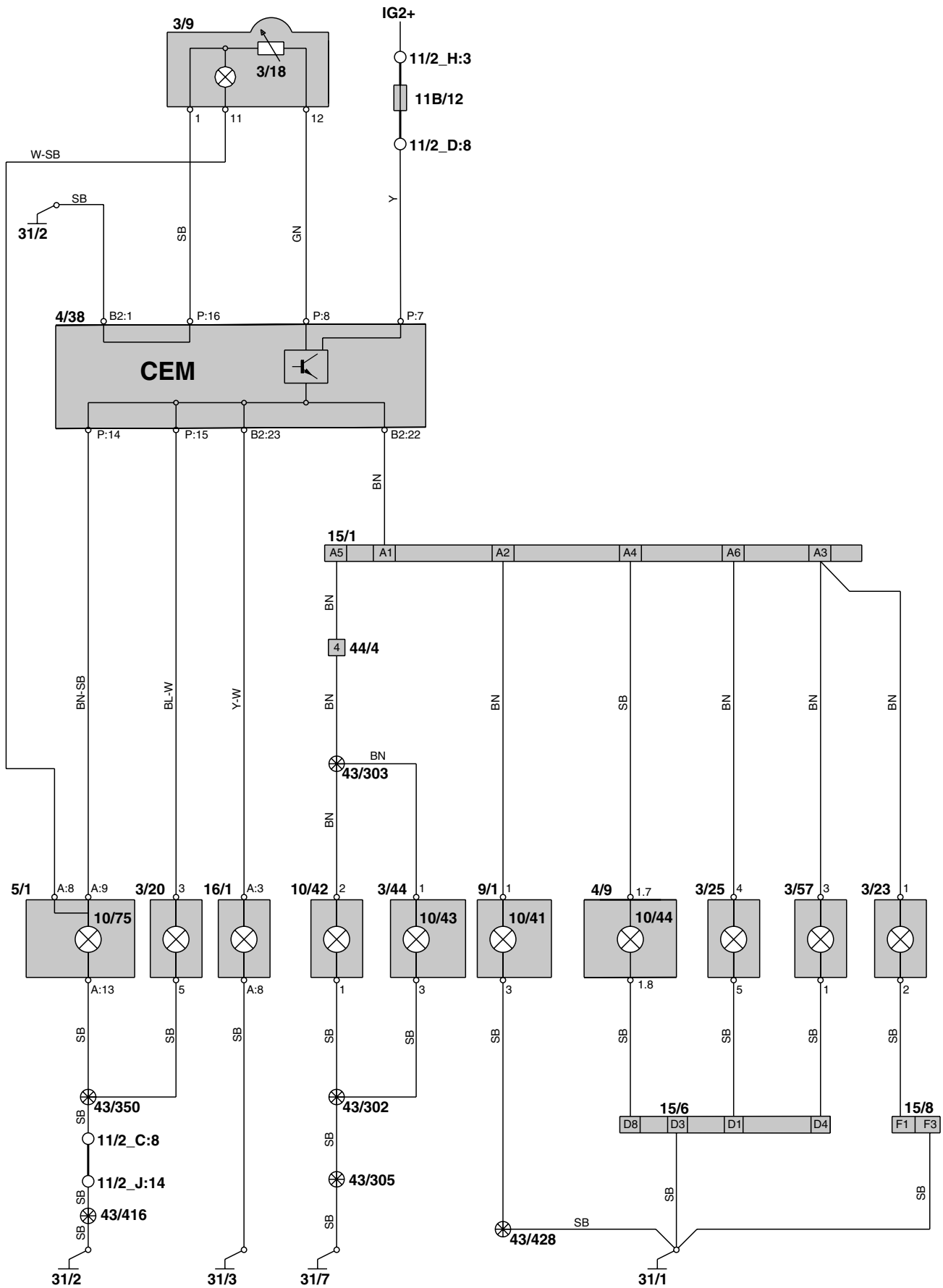
Interior lighting, power sunroof Key-inserted warning



Beam length adjustment

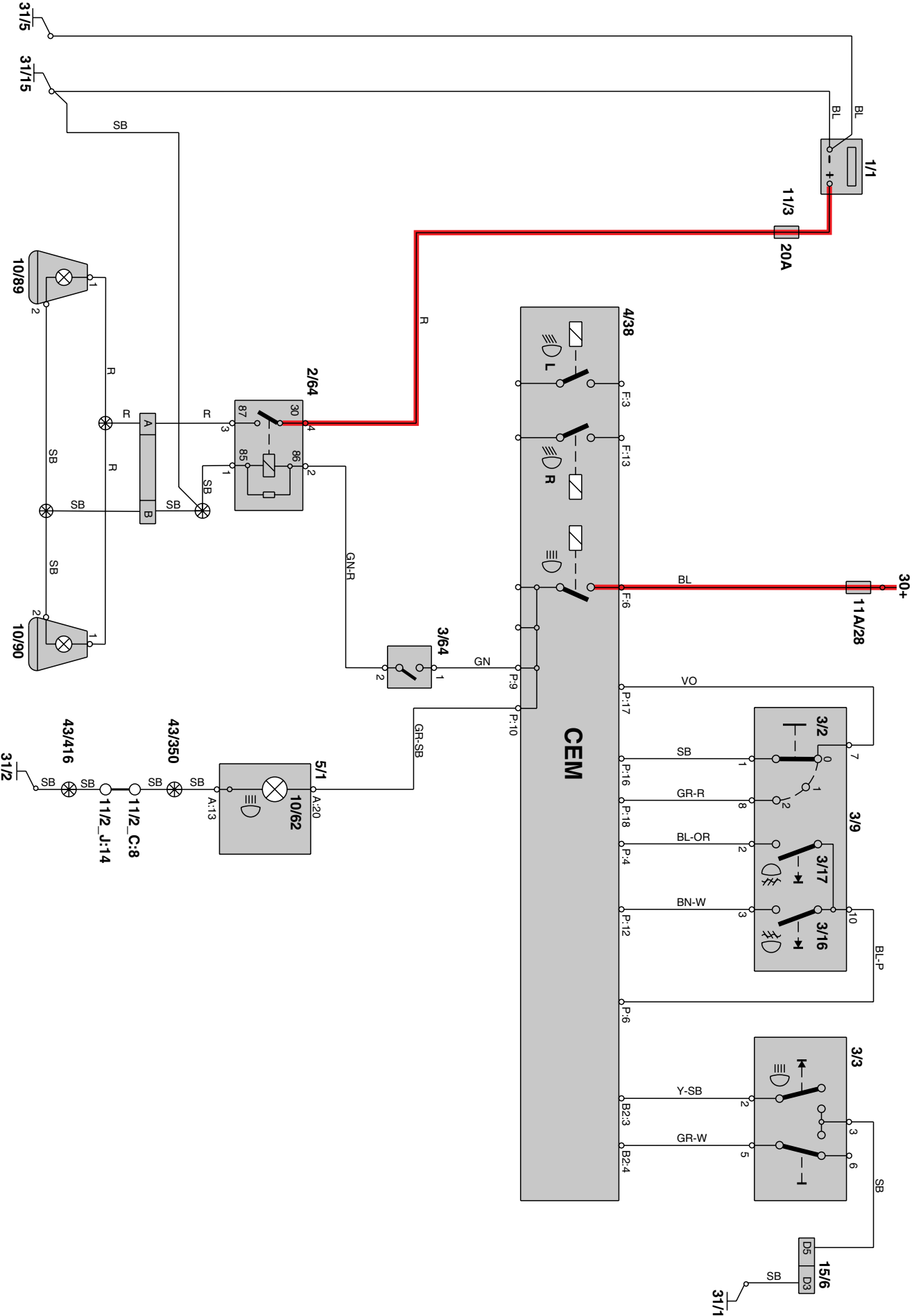


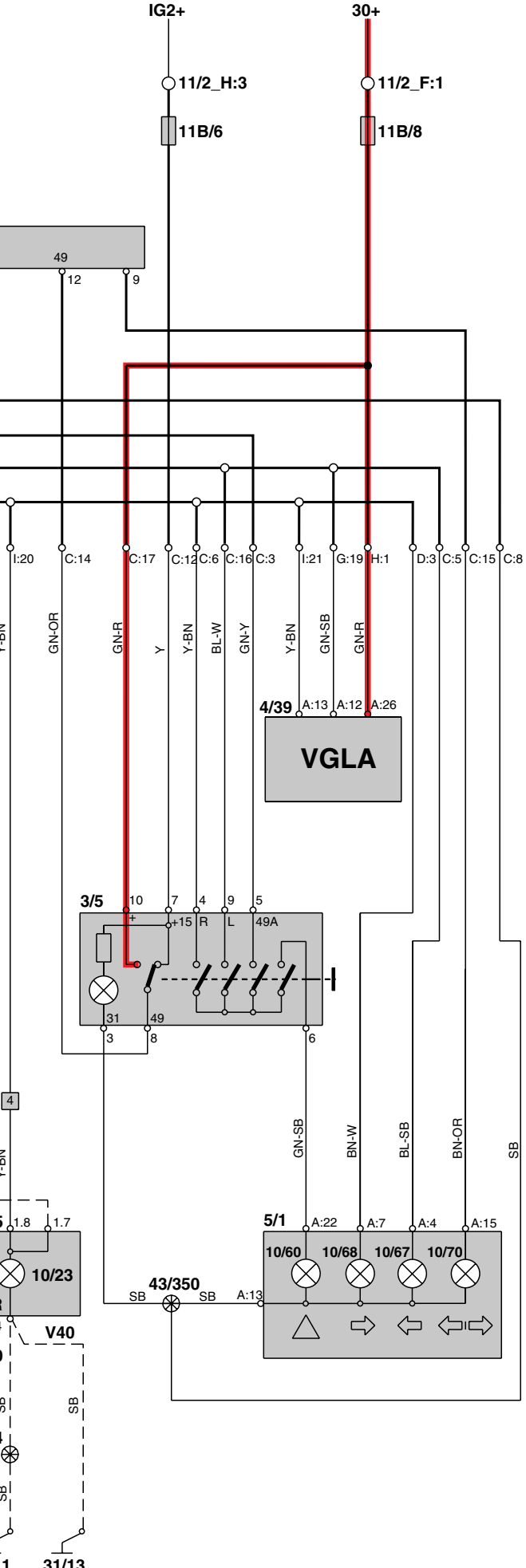
Instrument and control lighting



Accessories

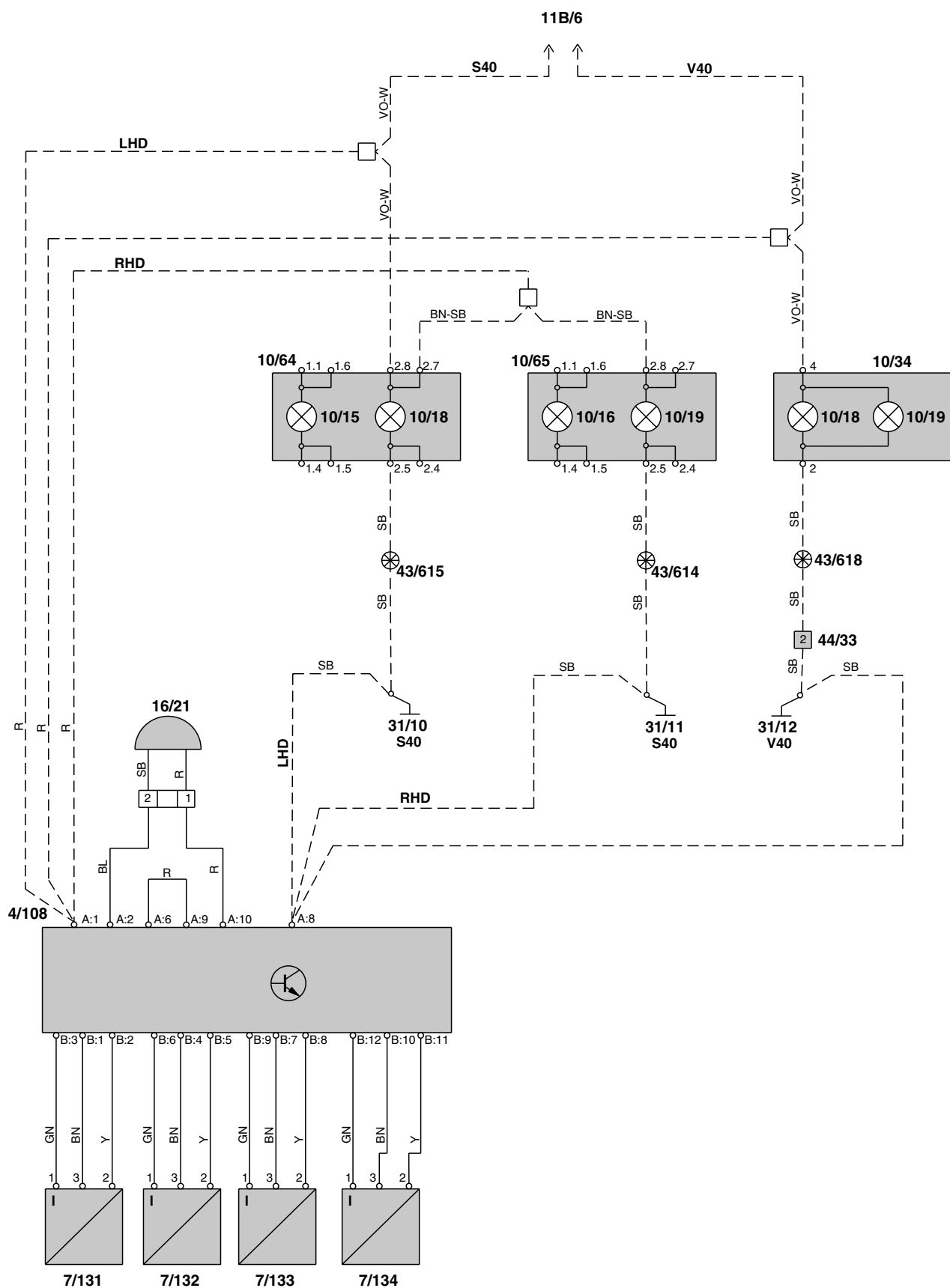
Auxiliary lamp



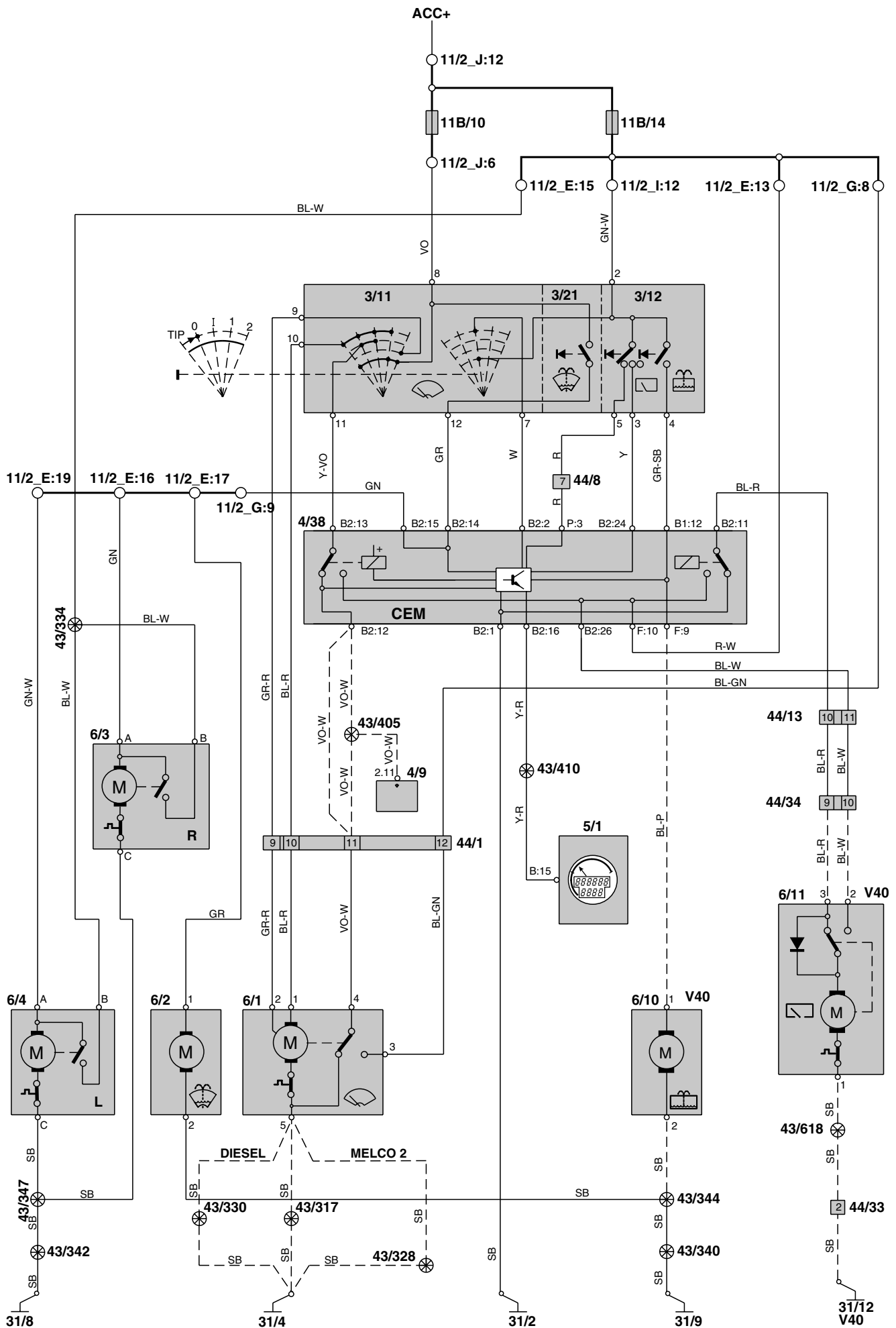


Accessories

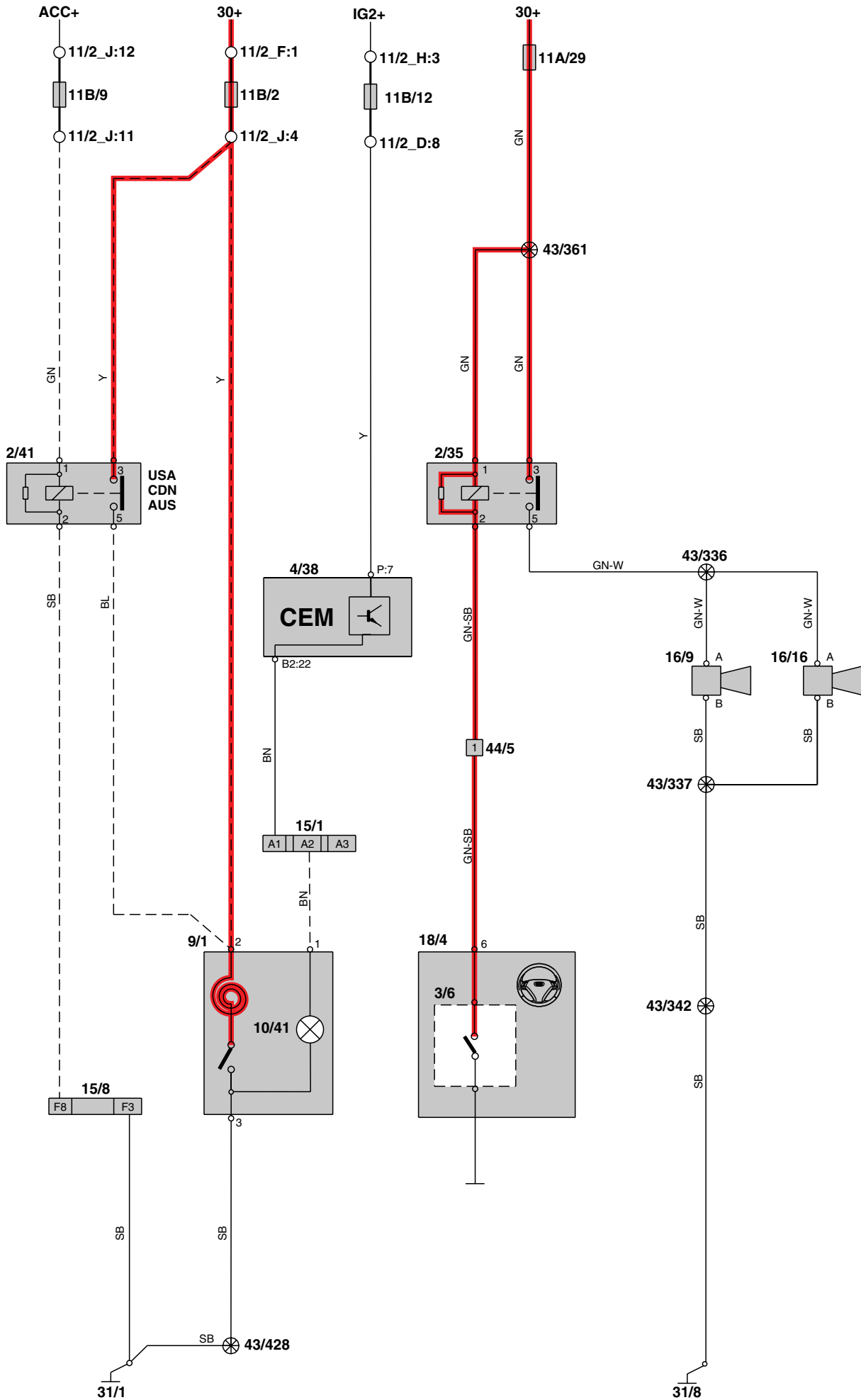
Parking Assistance system



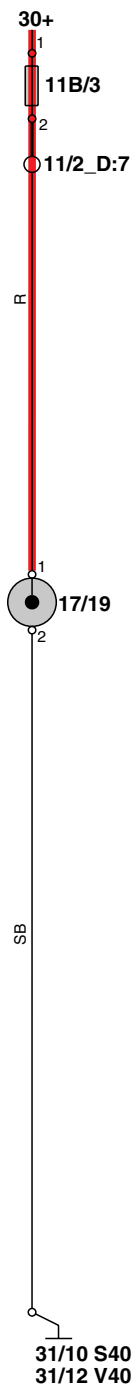
Windshield, headlights and rear window



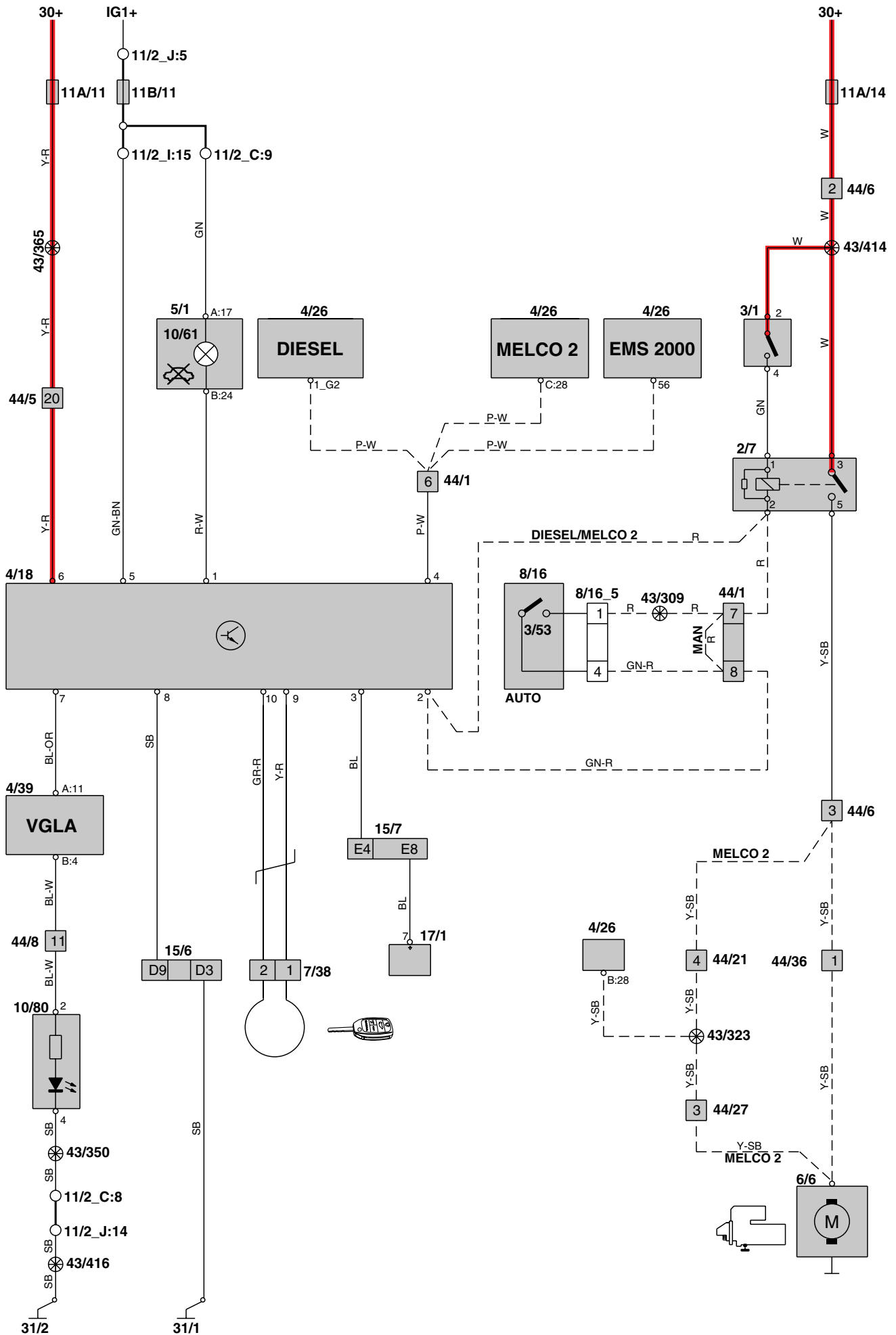
12V outlet and horn

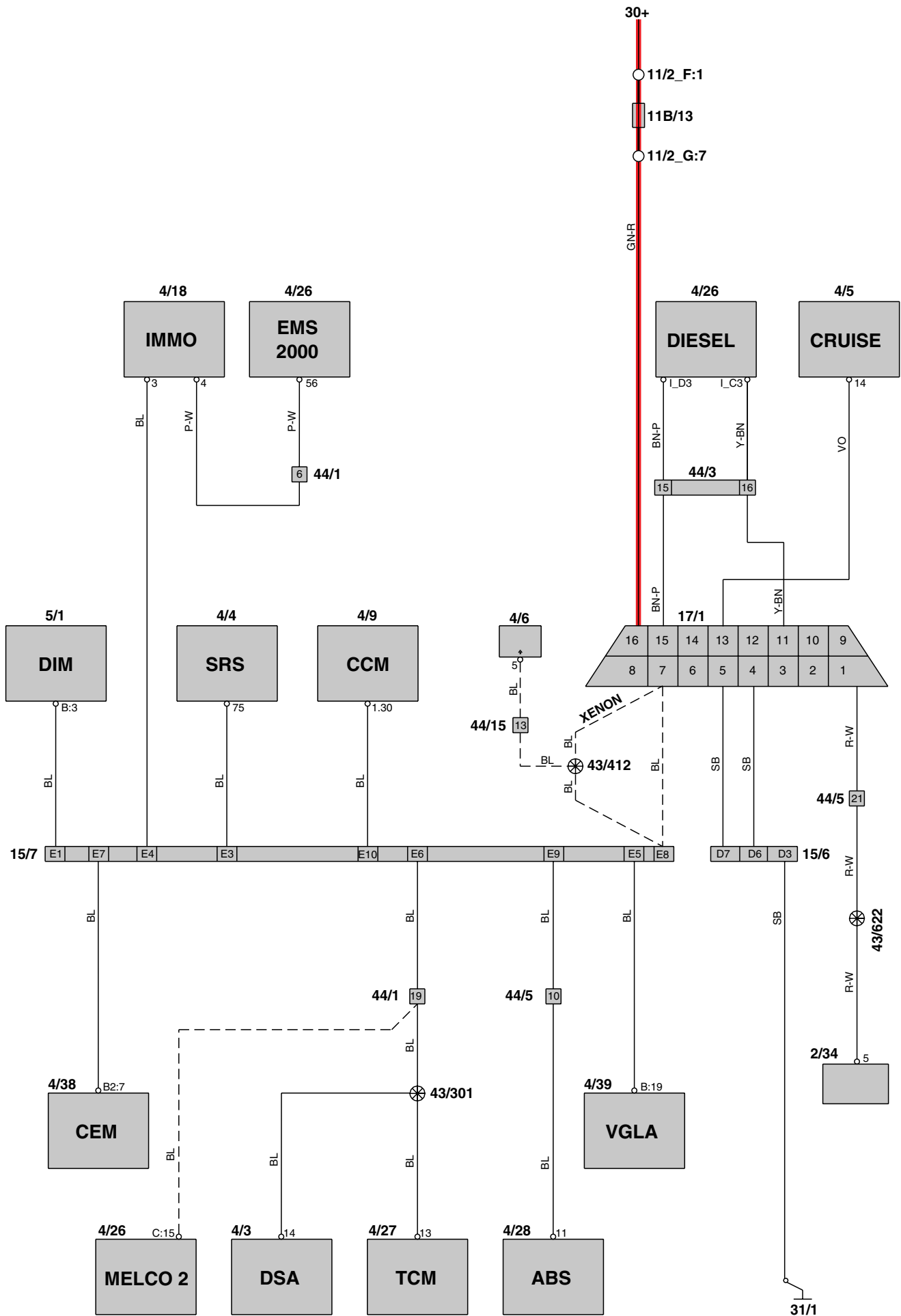


Accessories
12V socket, cargo compartment

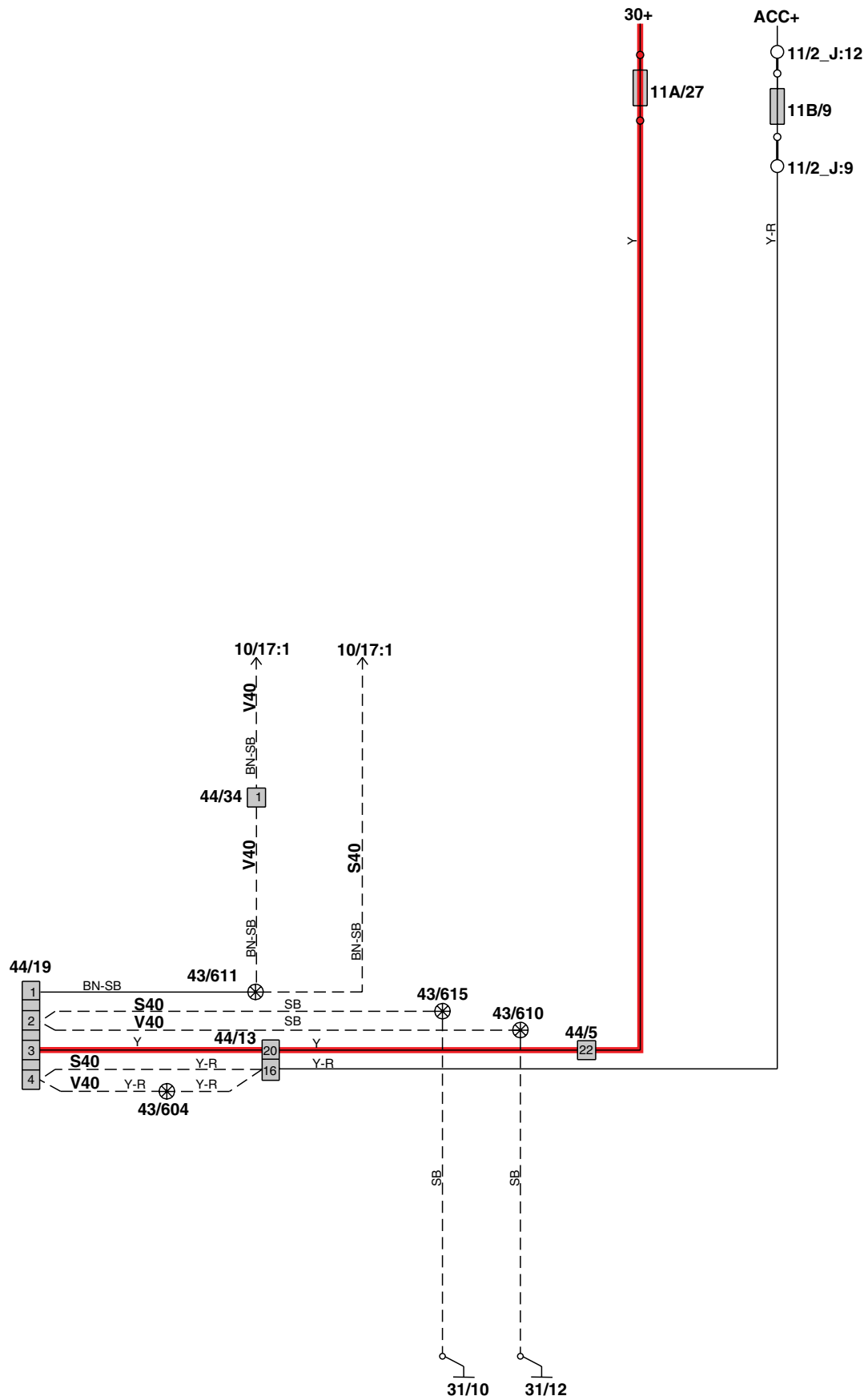


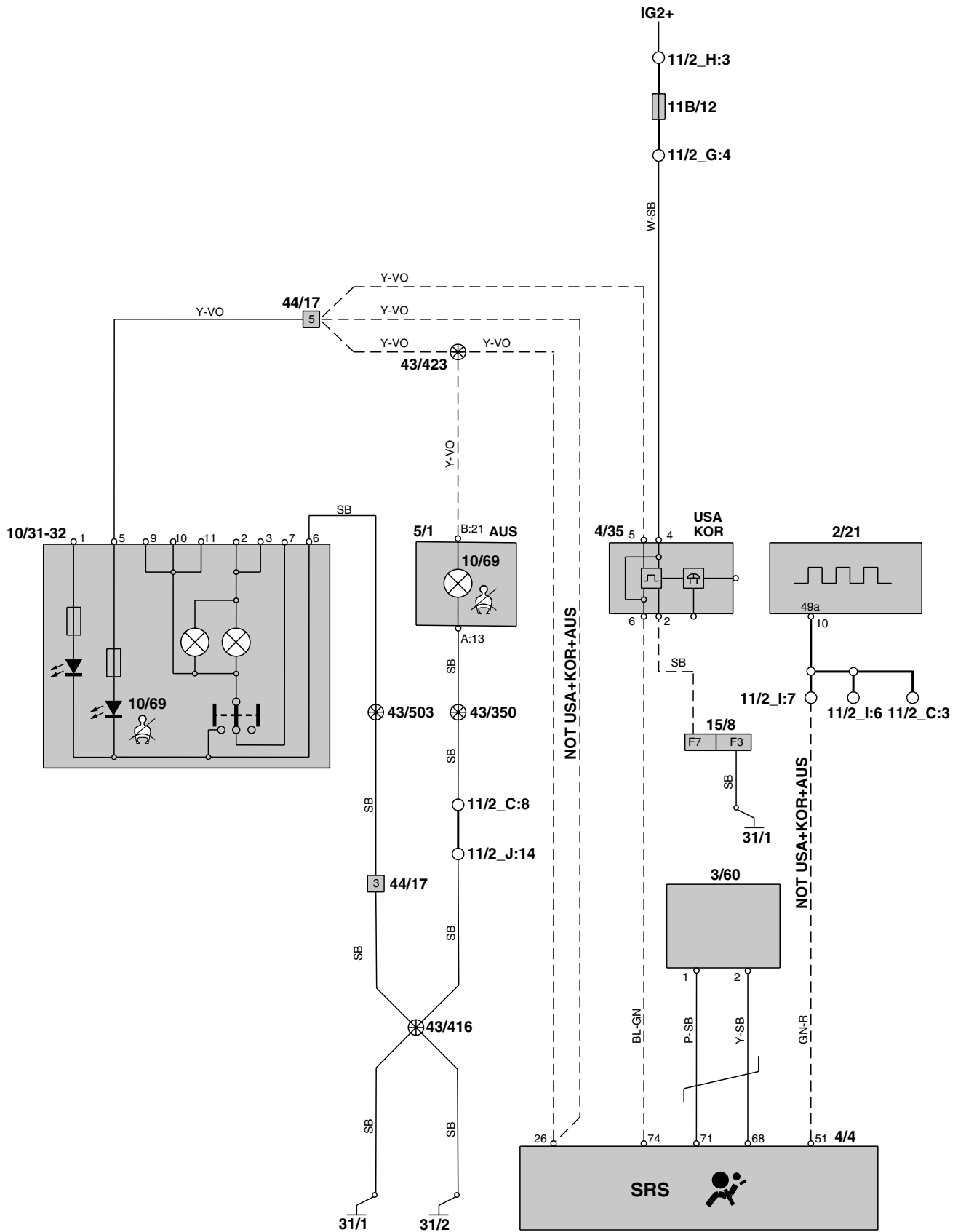
Electronic immobilizer



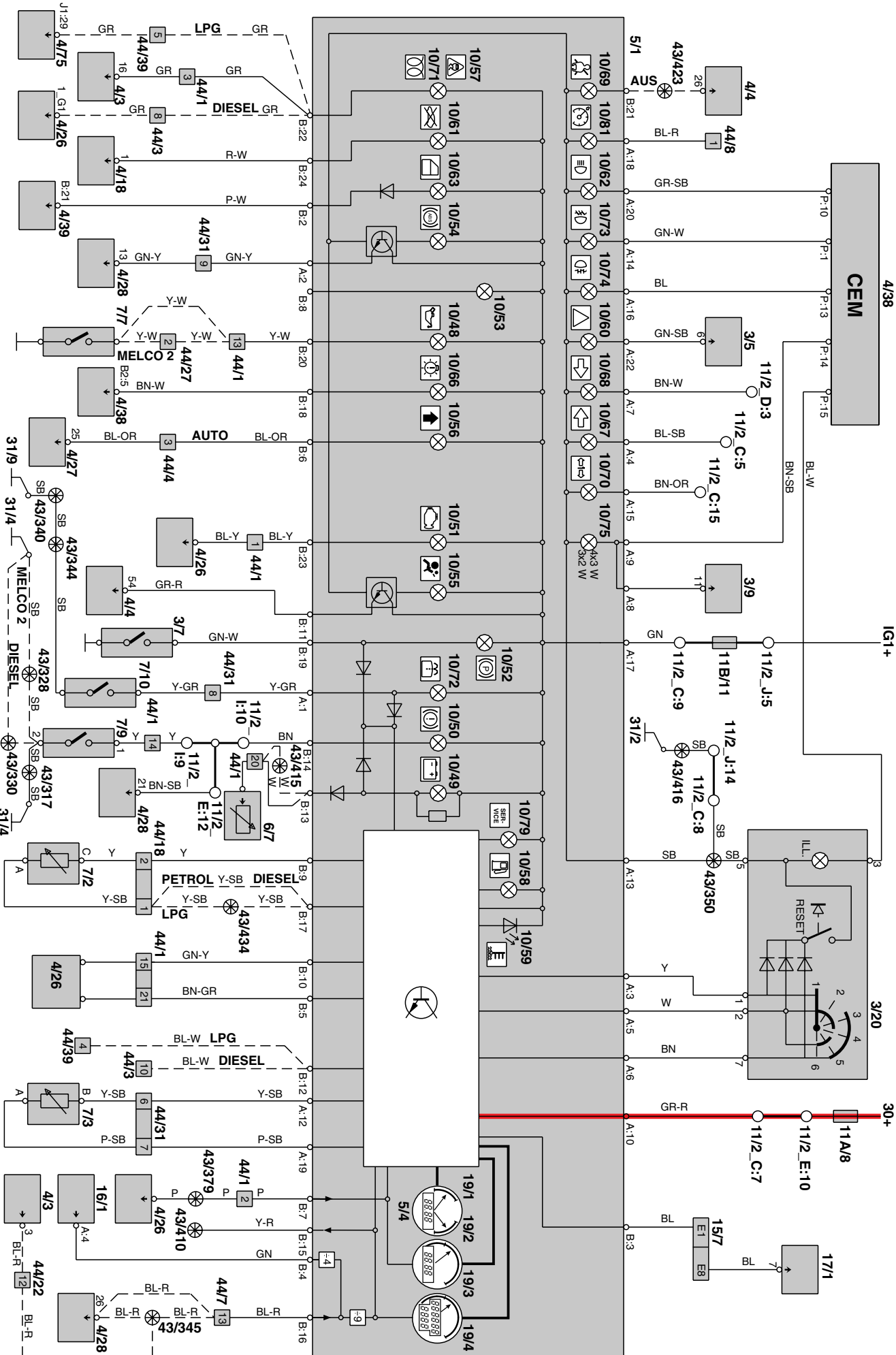


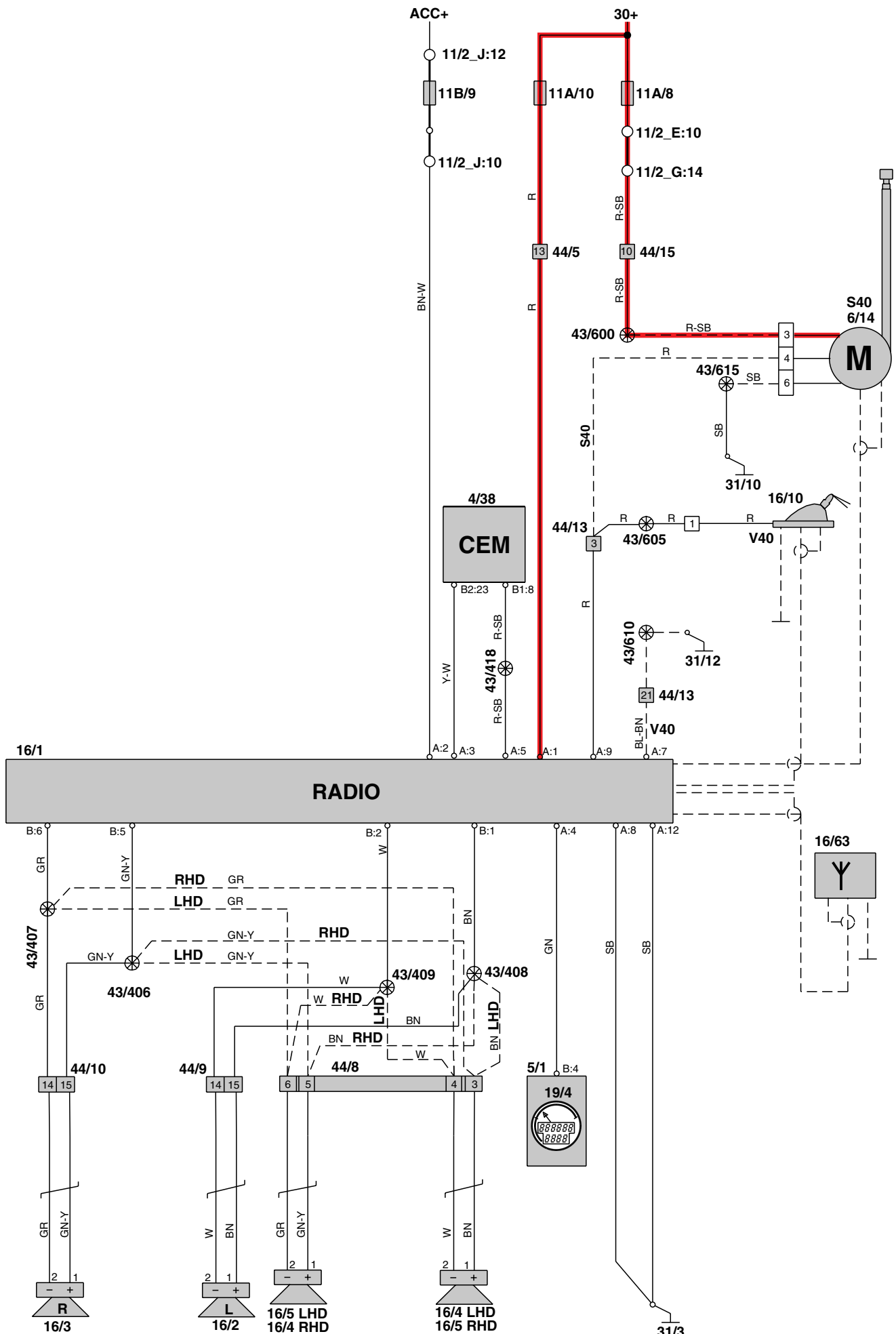
Towing bracket wiring



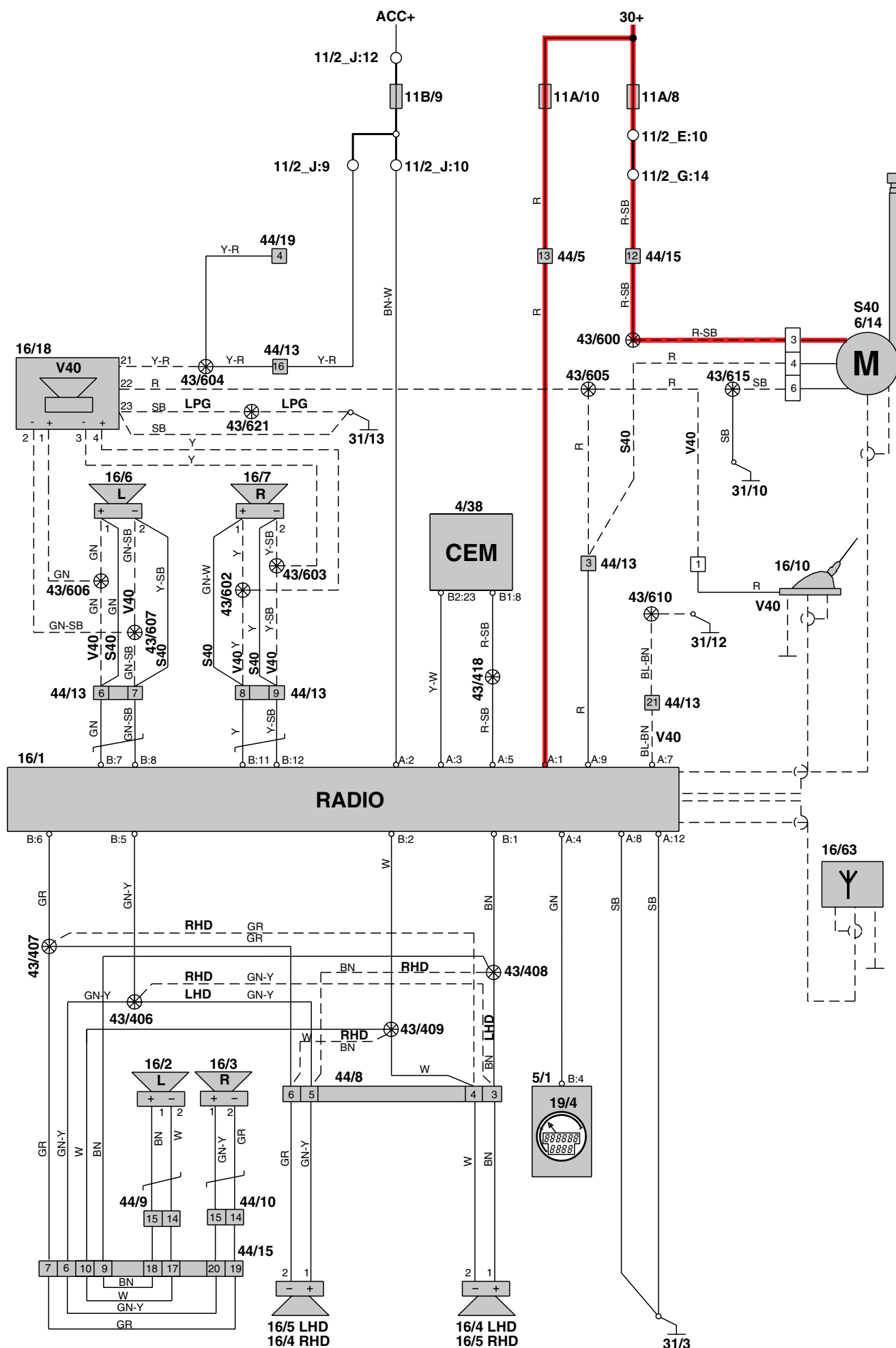


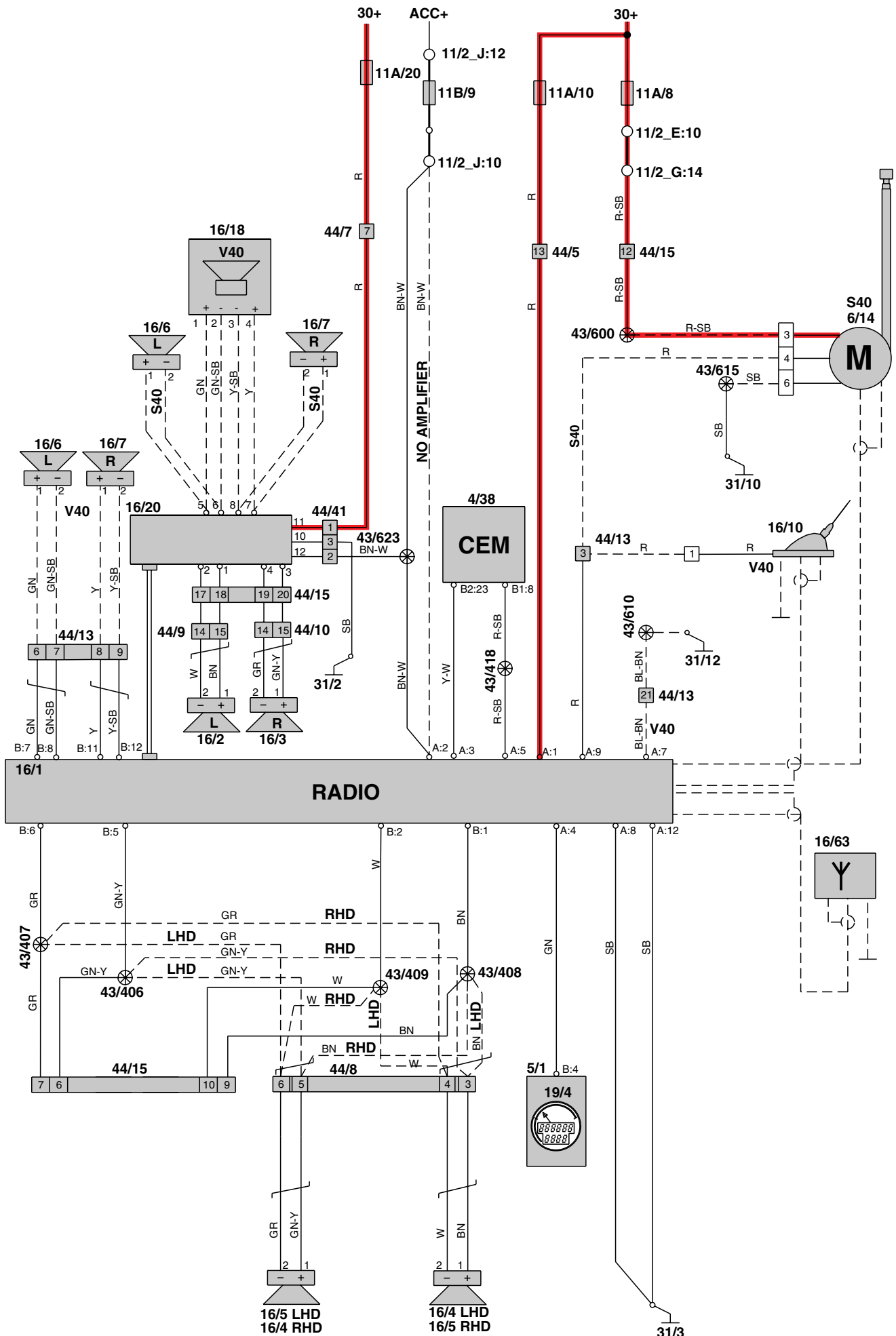
Driver information module





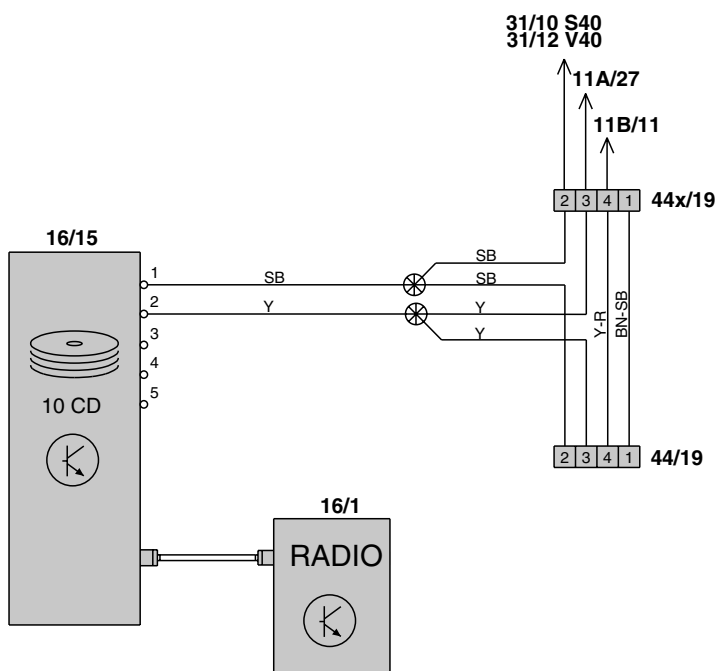
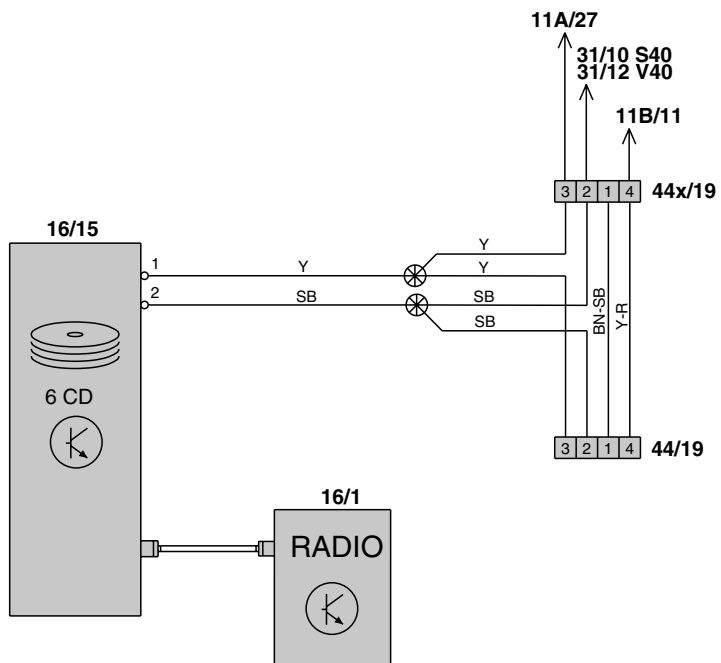
Audio level 2

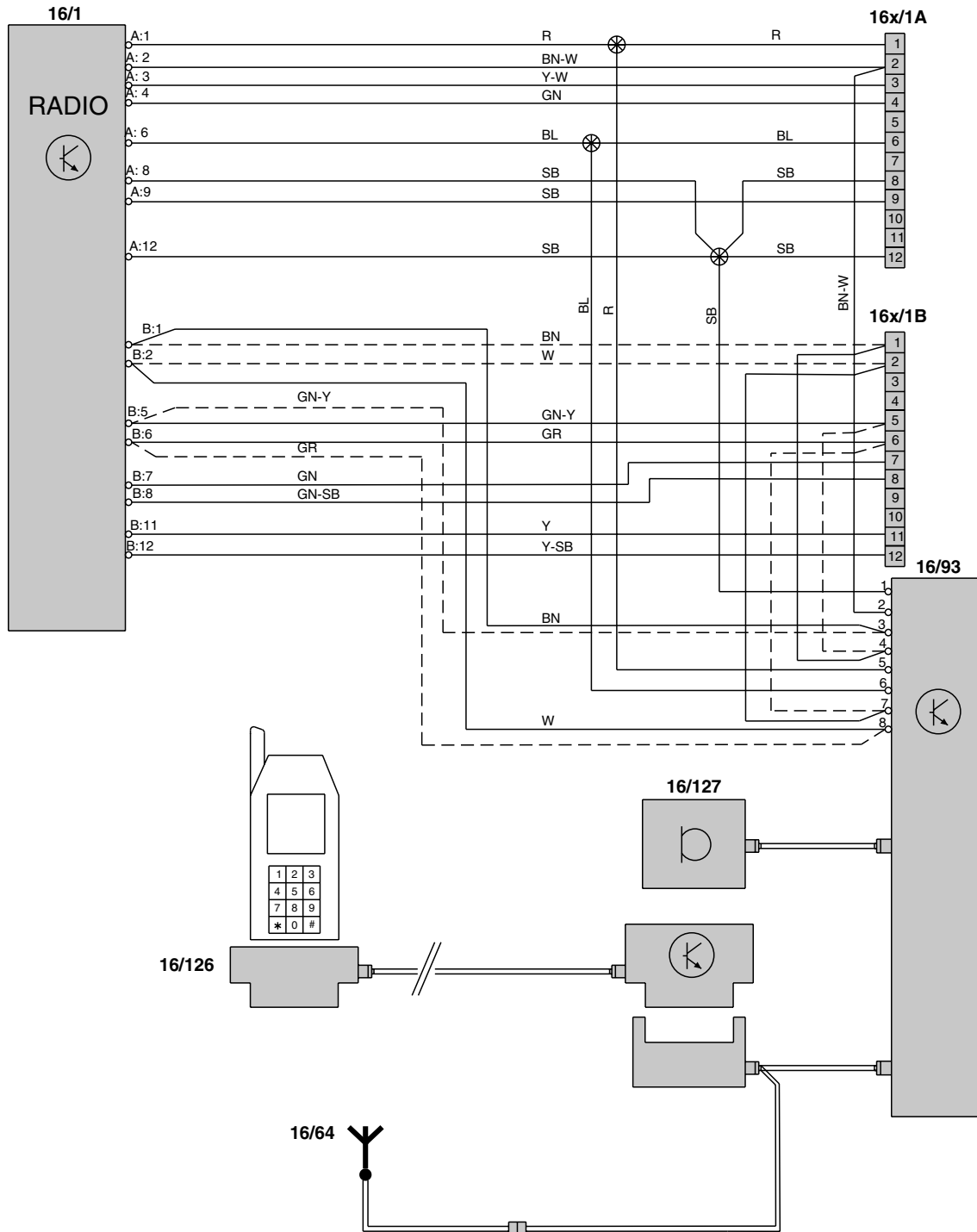


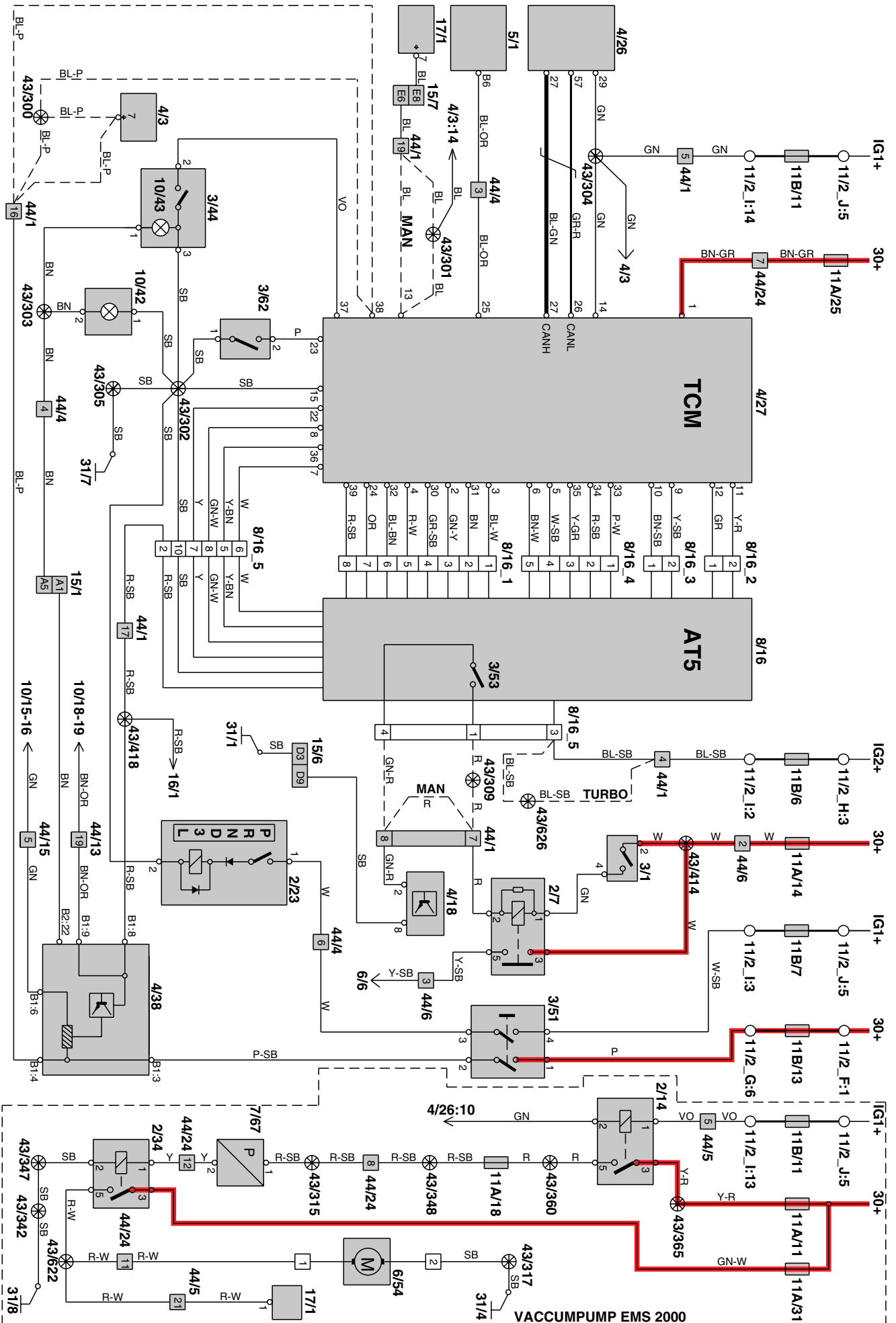


Accessories

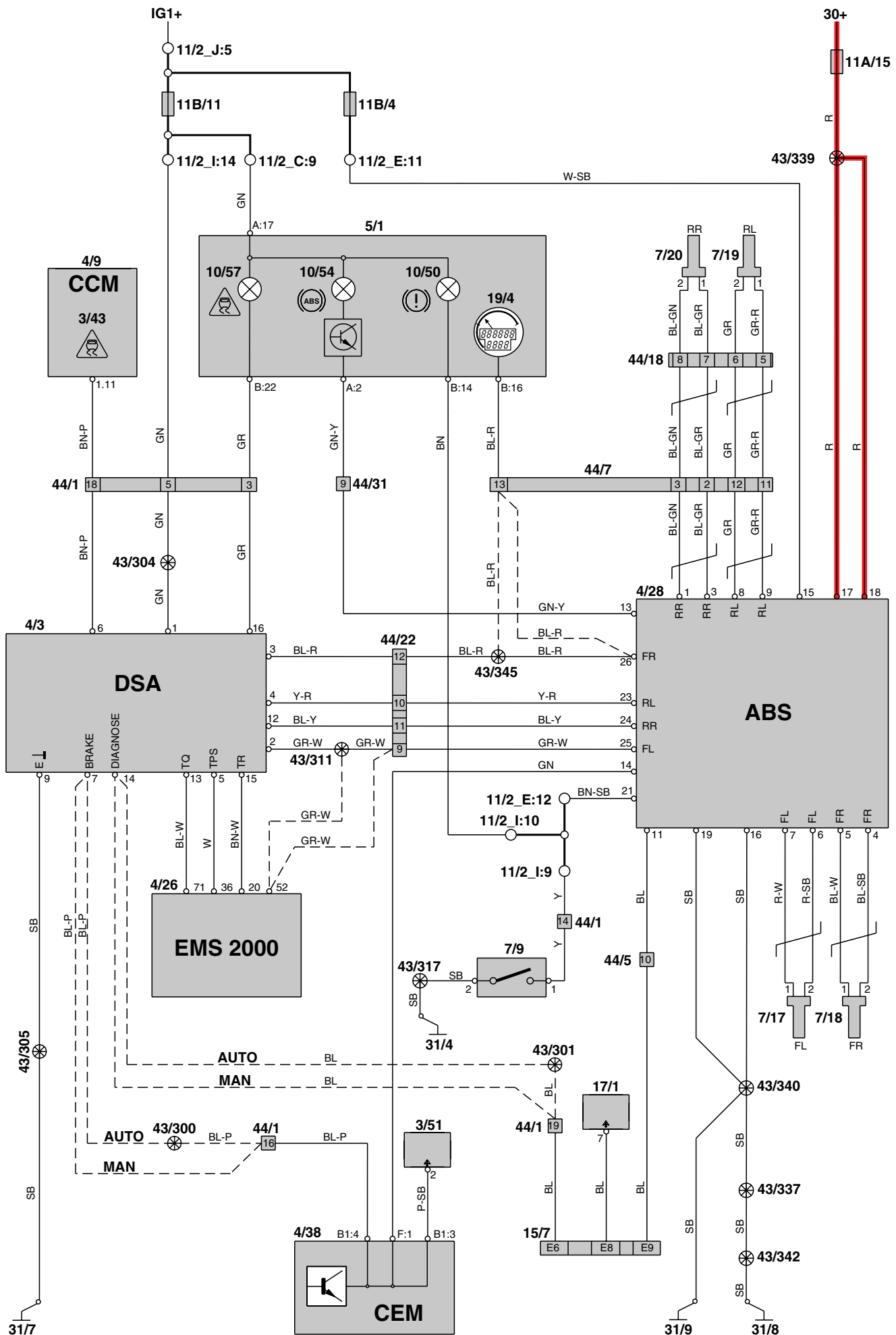
CD changer





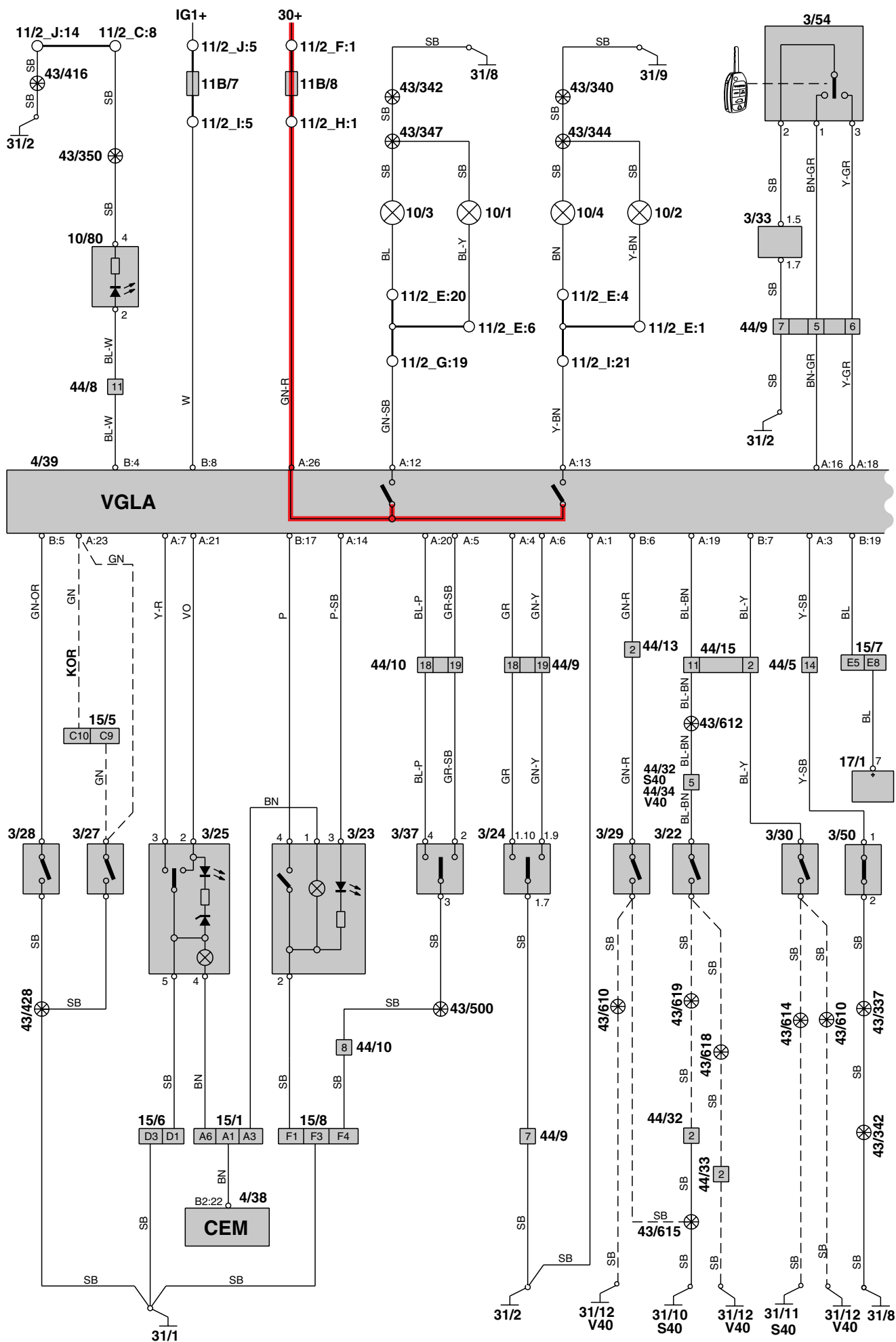


Group 59 ABS, DSA



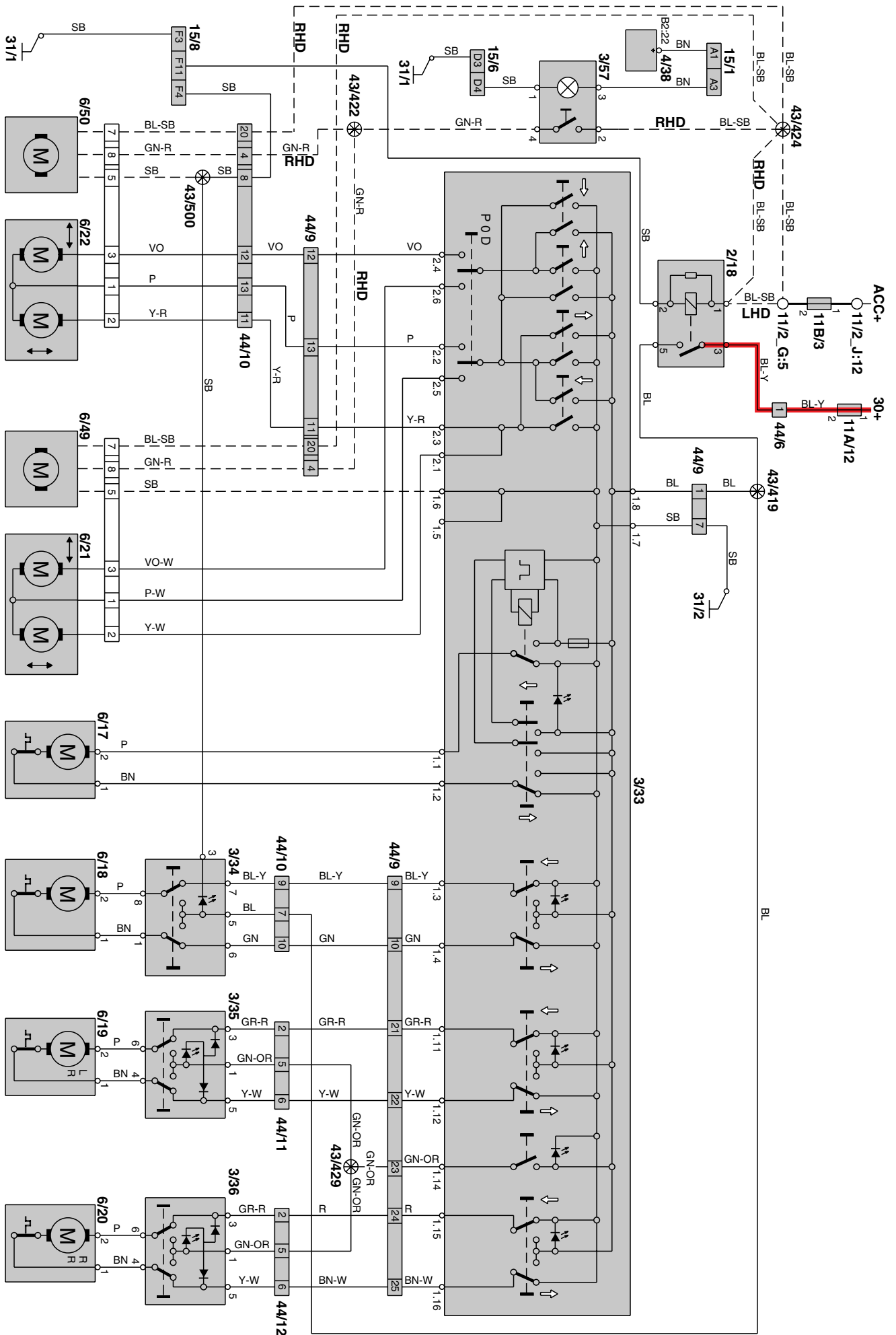
Group 83, 36

Central locking and anti-theft alarm EU/OS



Group 83, 84

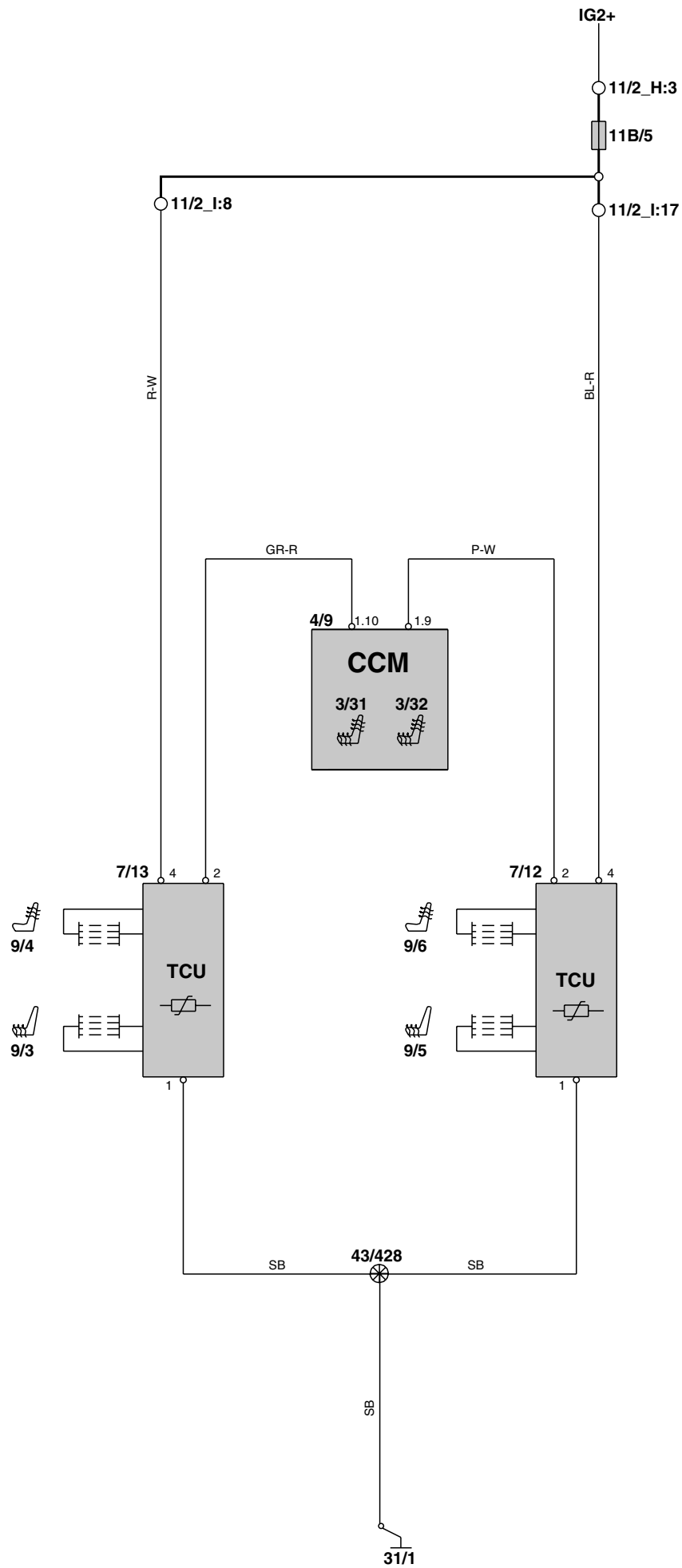
Power windows and power door mirrors



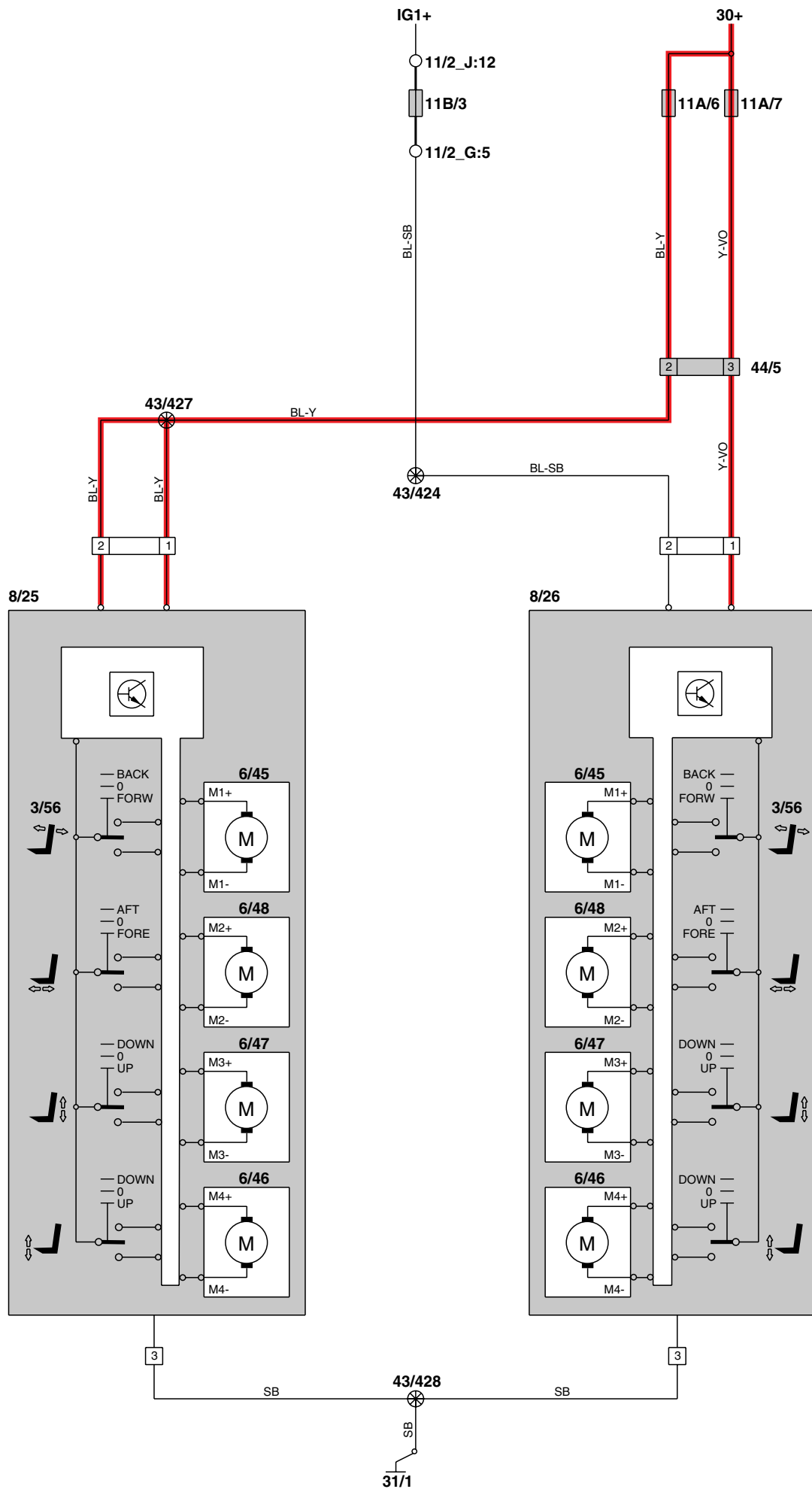
Heated rear window and heated door mirrors



Group 85 Heated seats



Power seats



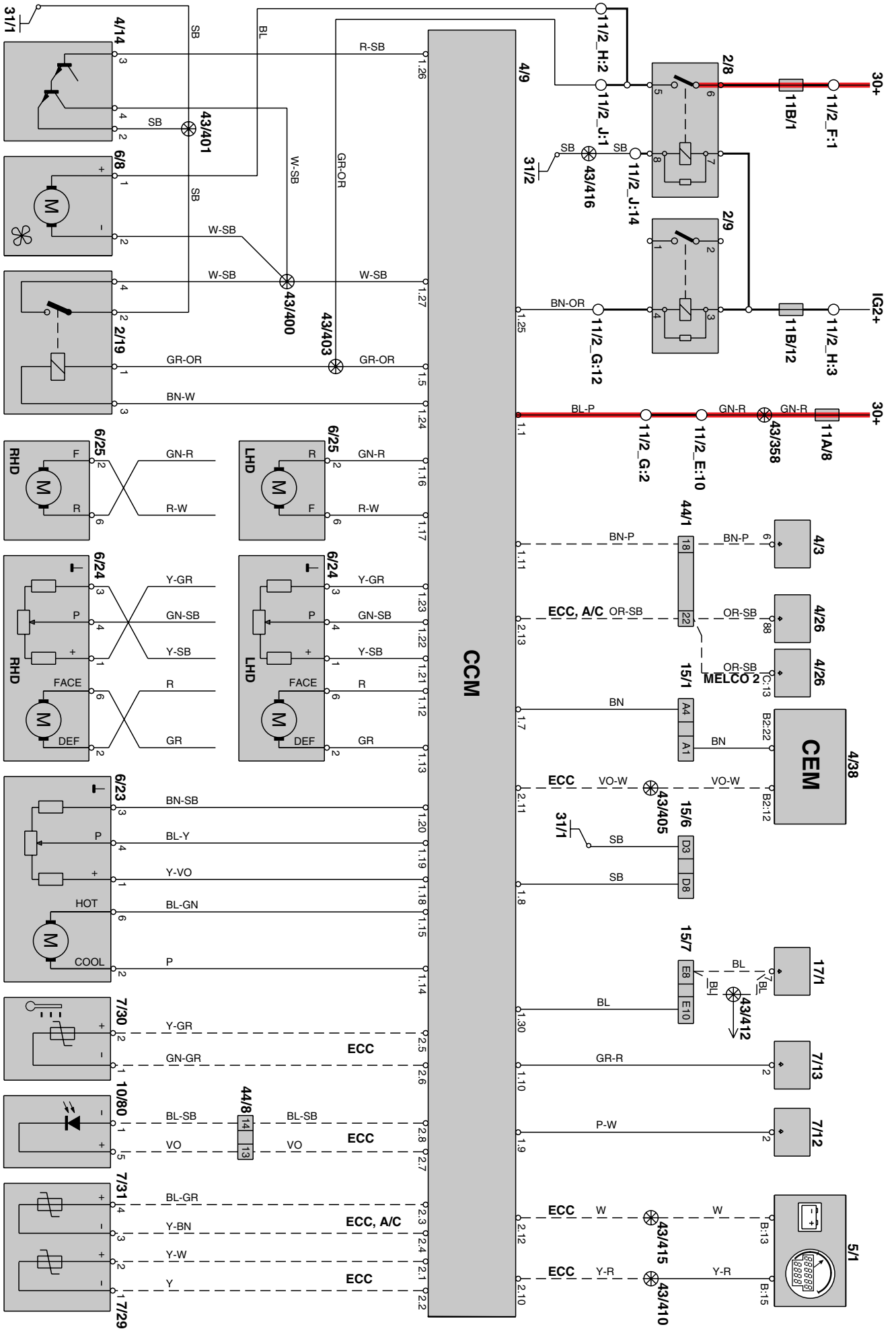


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Relay, engine heater	80
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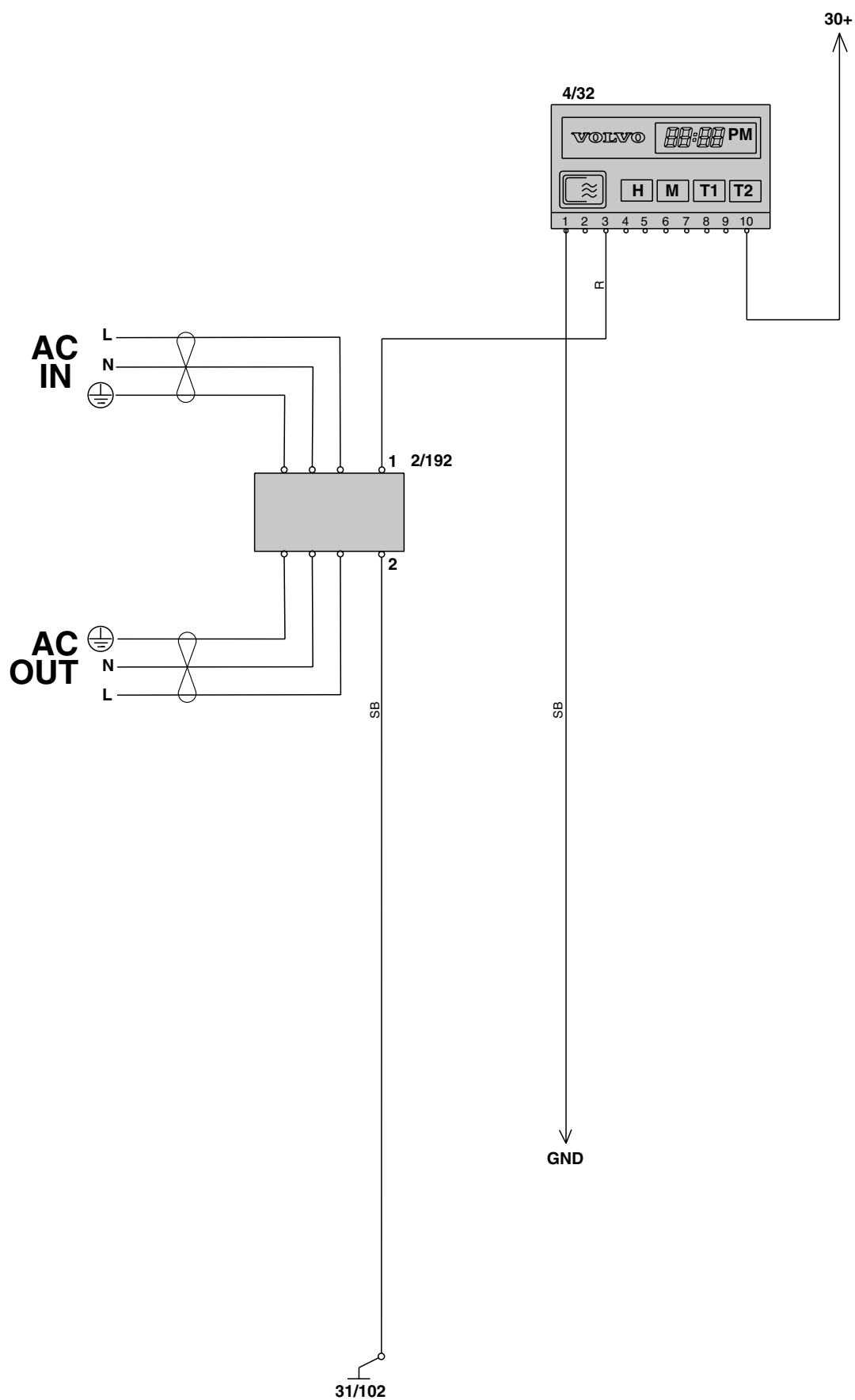
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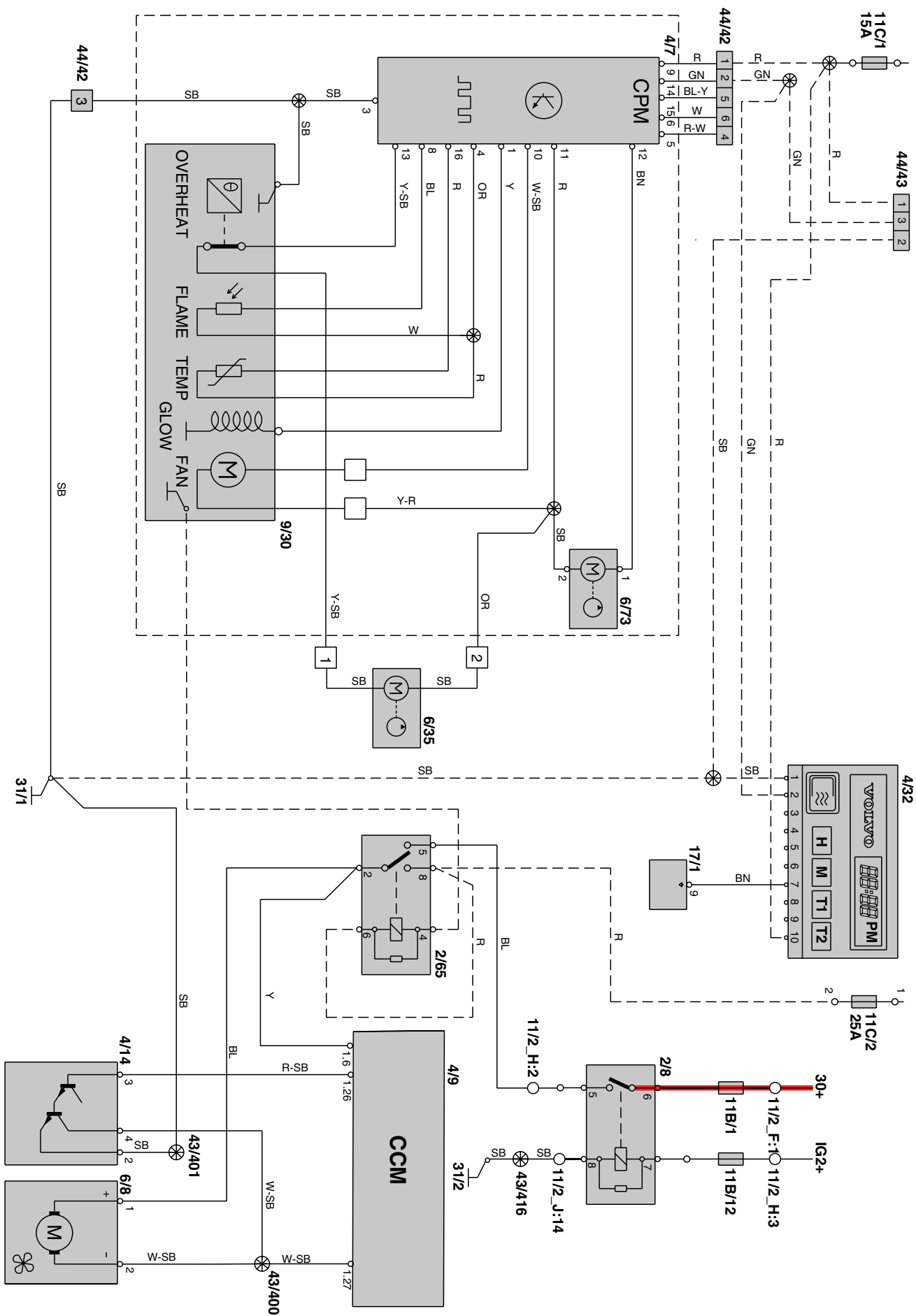
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Accessories

Relay, engine heater

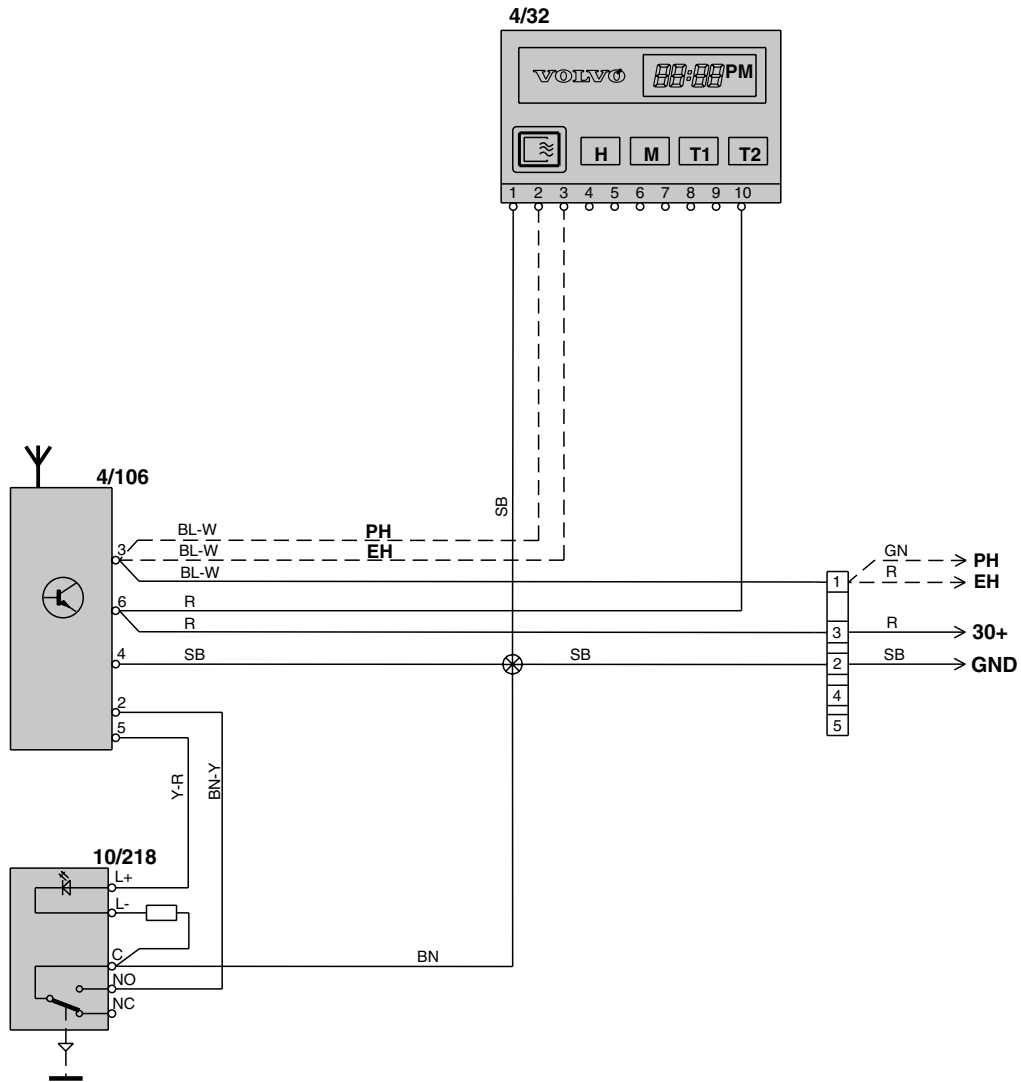


Accessories
Parking heater, auxiliary heater

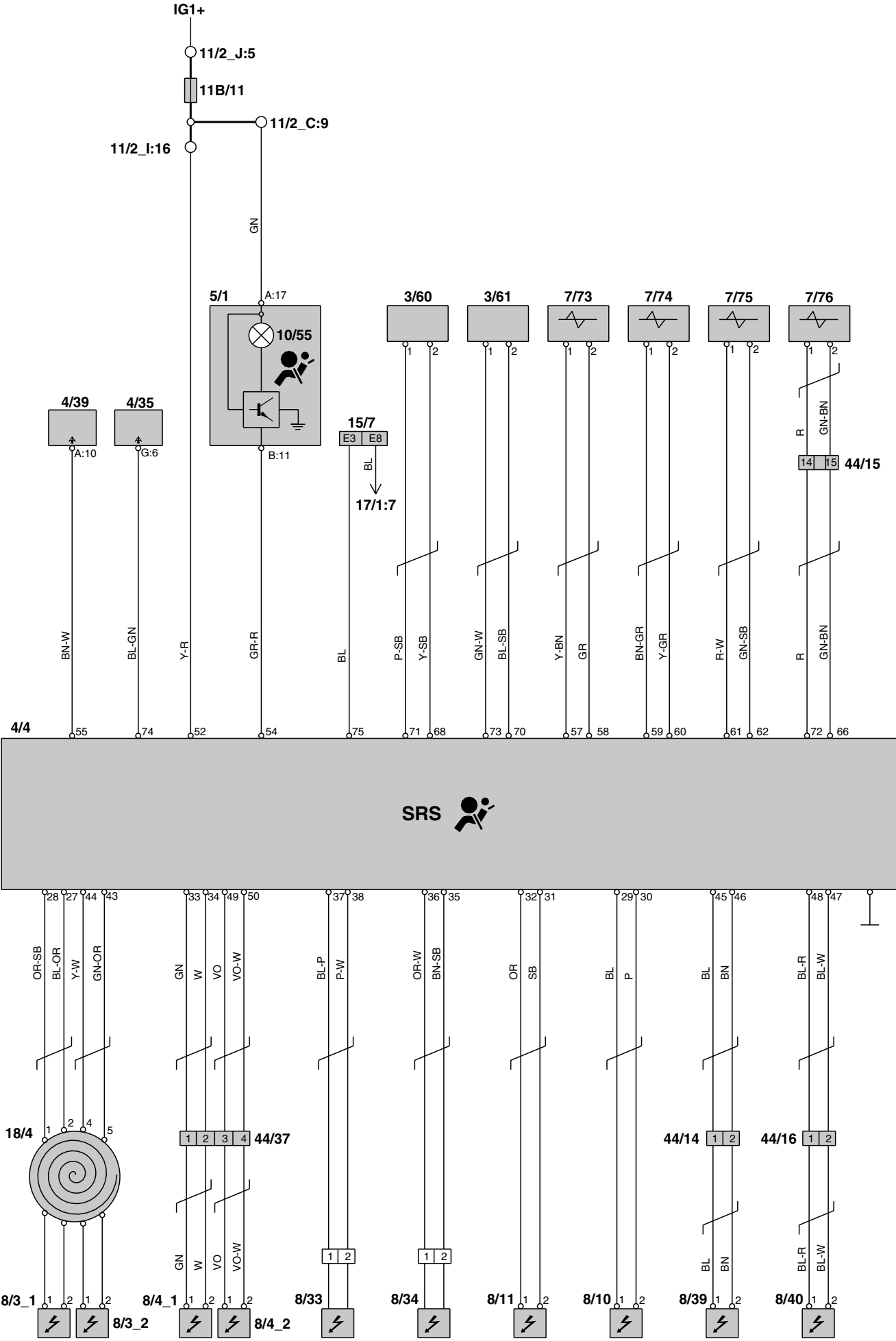


Accessories

Parking heater, remote start



Group 88
Supplemental Restraint System (SRS)



Connectors

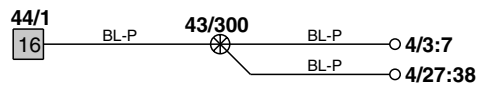
44/1 EMS 2000

44/1 22-pin EMS 2000

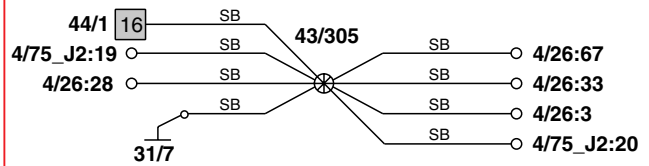
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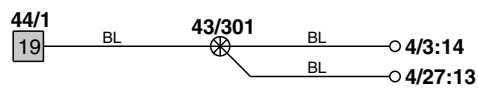
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AUTO



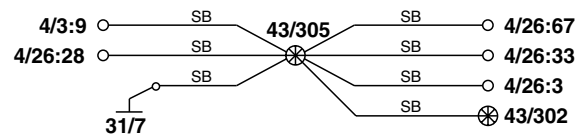
43/305
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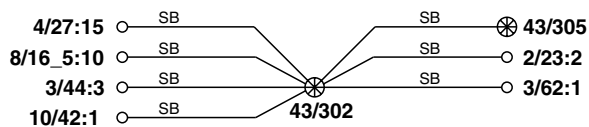
43/301
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AUTO



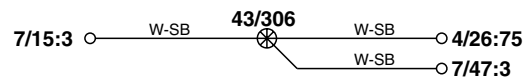
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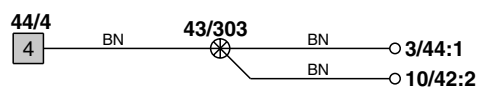
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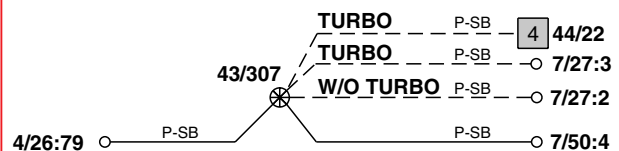
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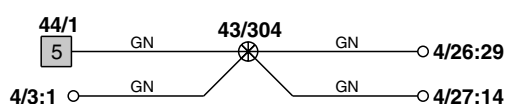
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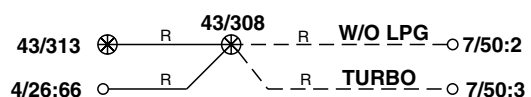
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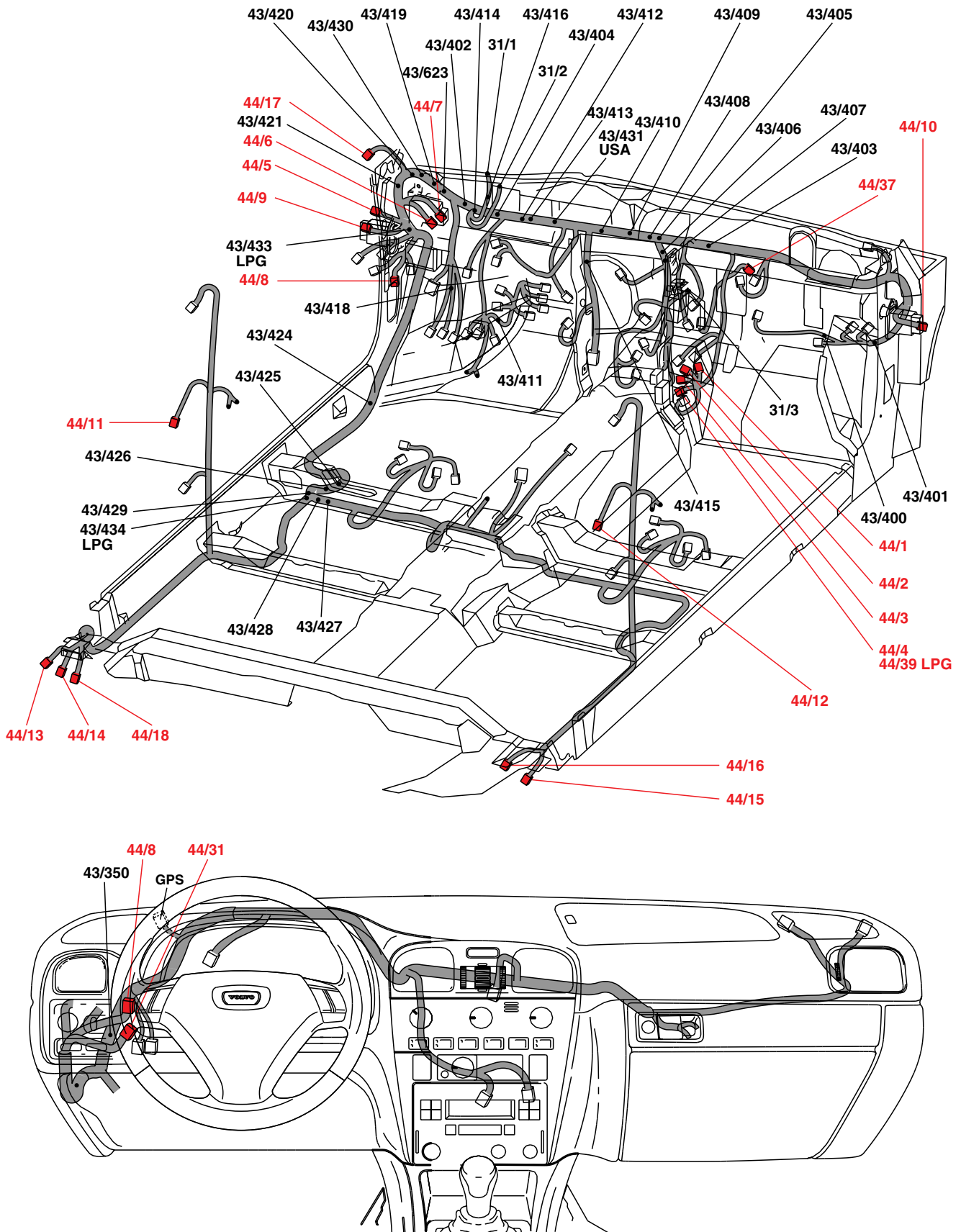


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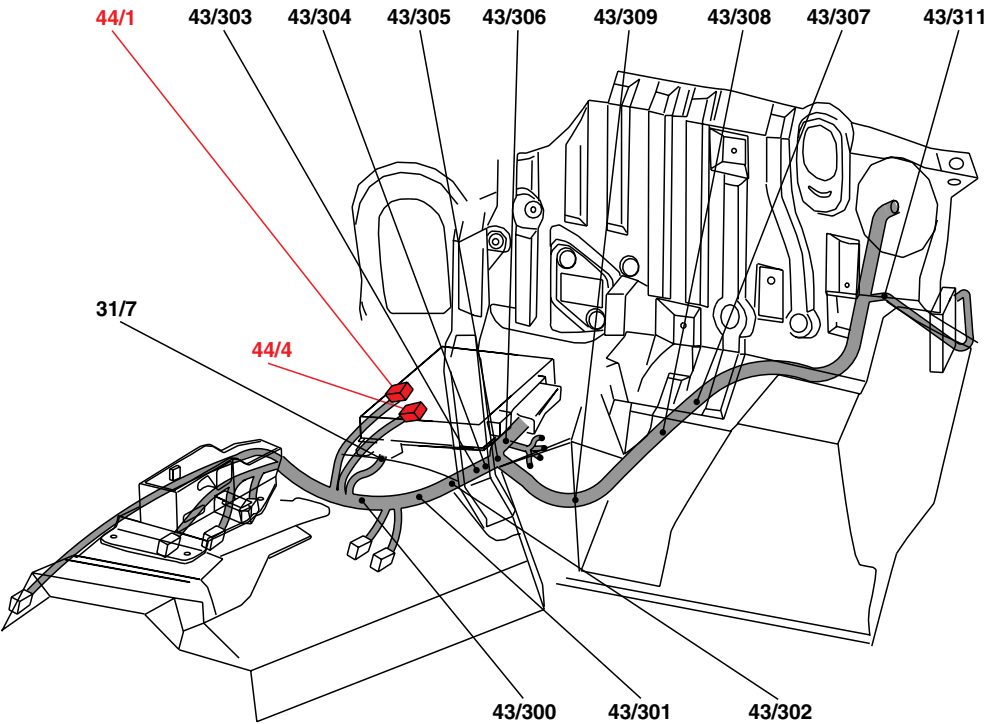
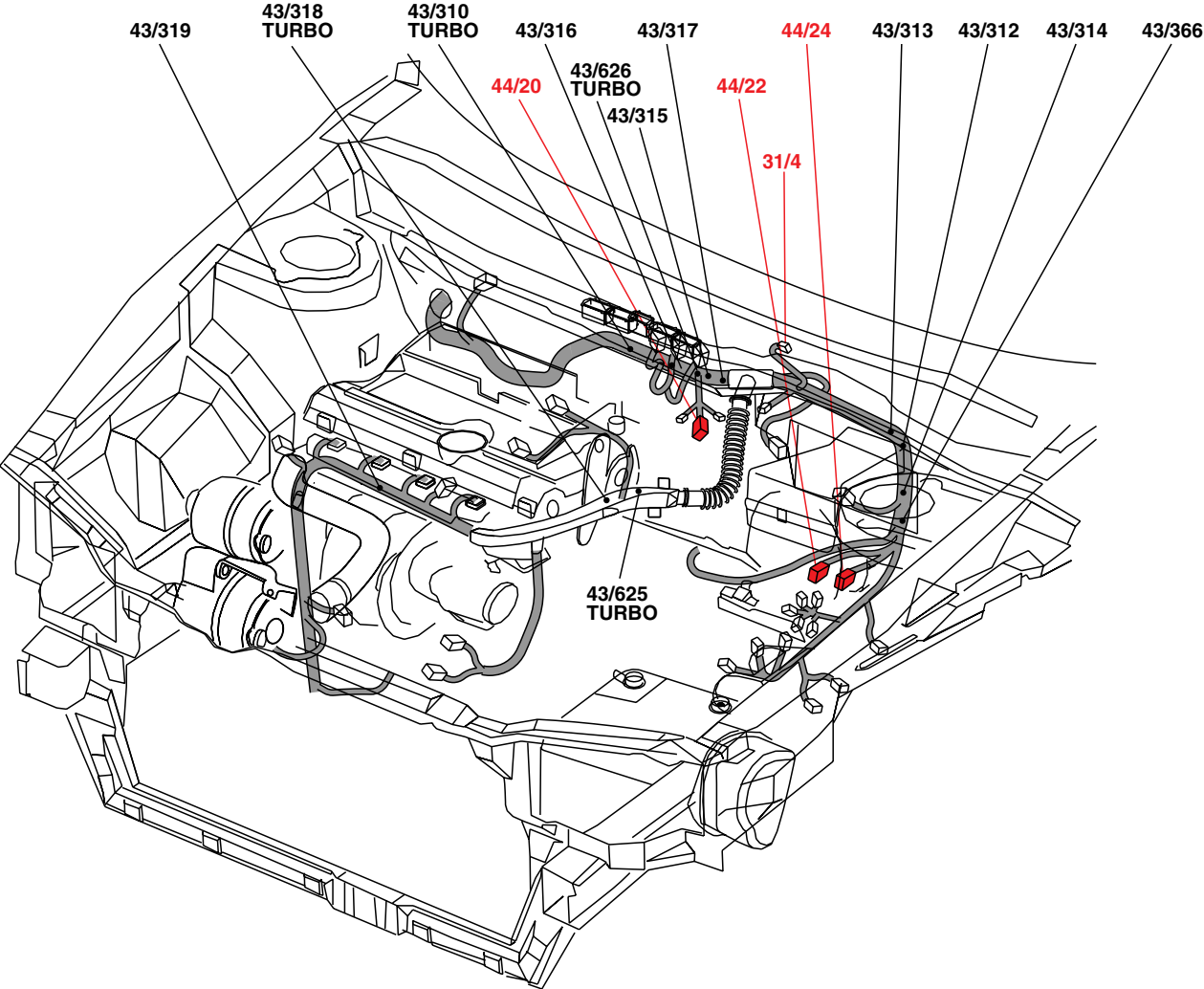


Cable harness routing in vehicle

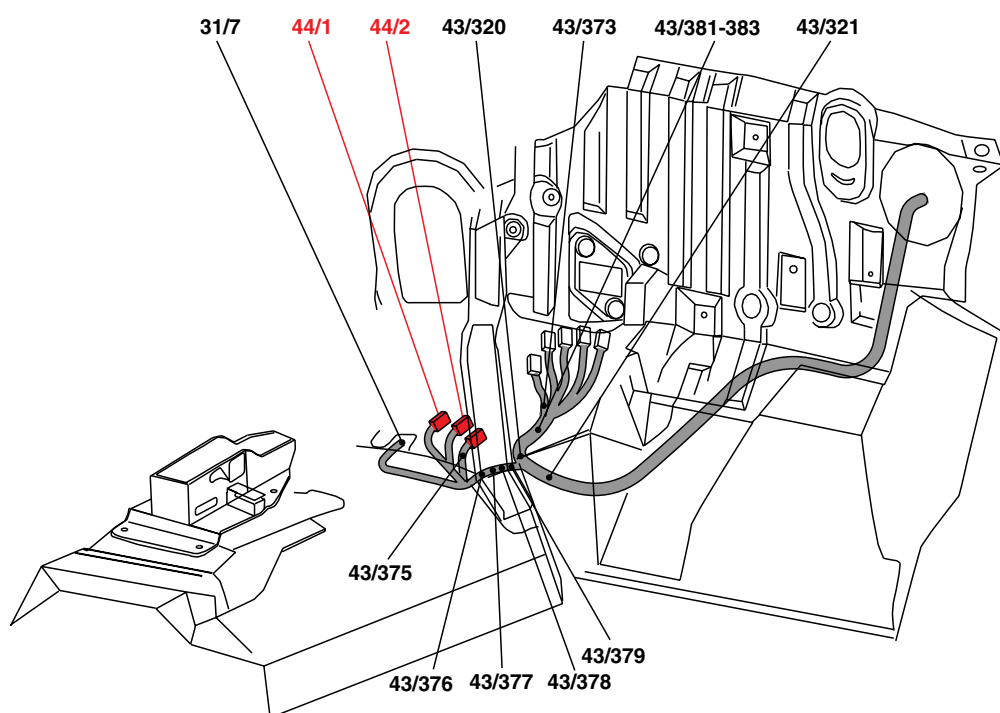
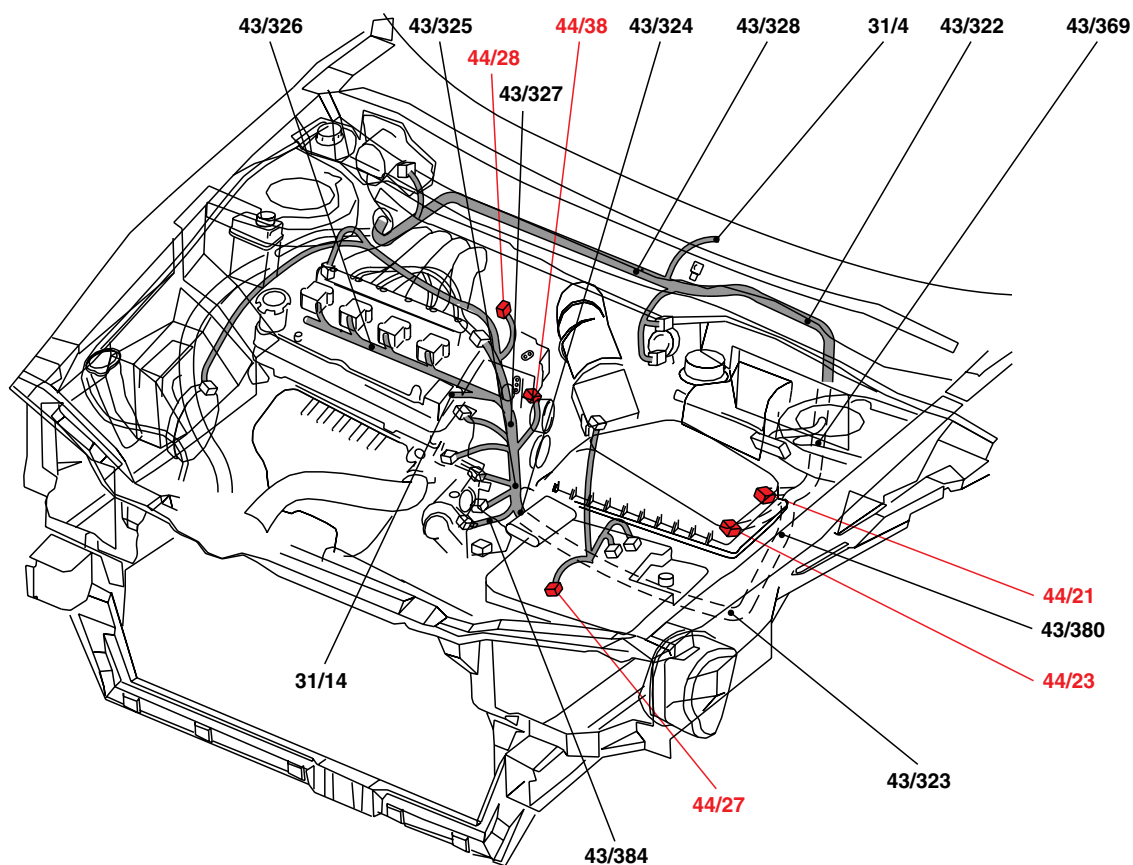
Passenger compartment harness and Dashboard harness



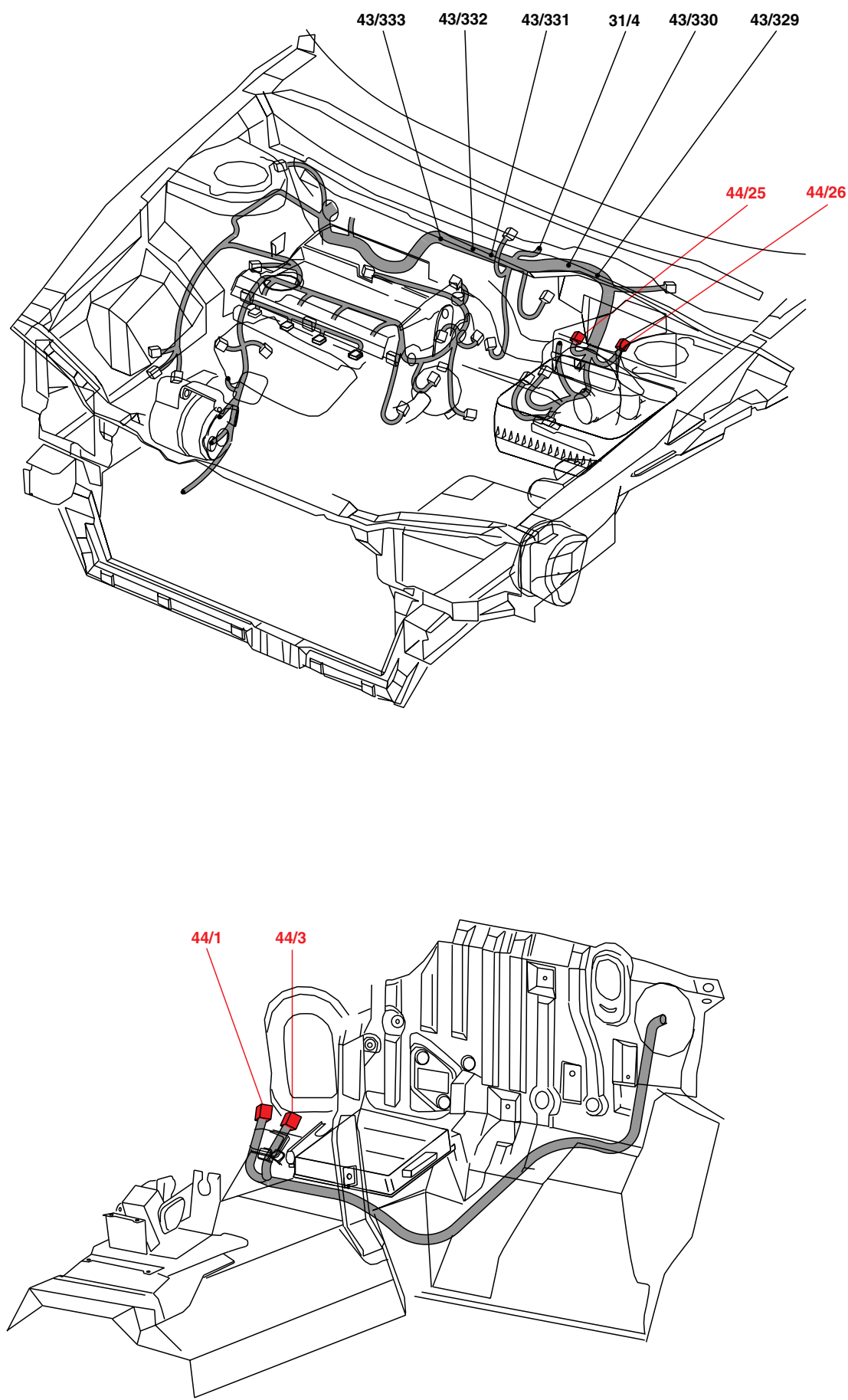
Engine harness EMS 2000



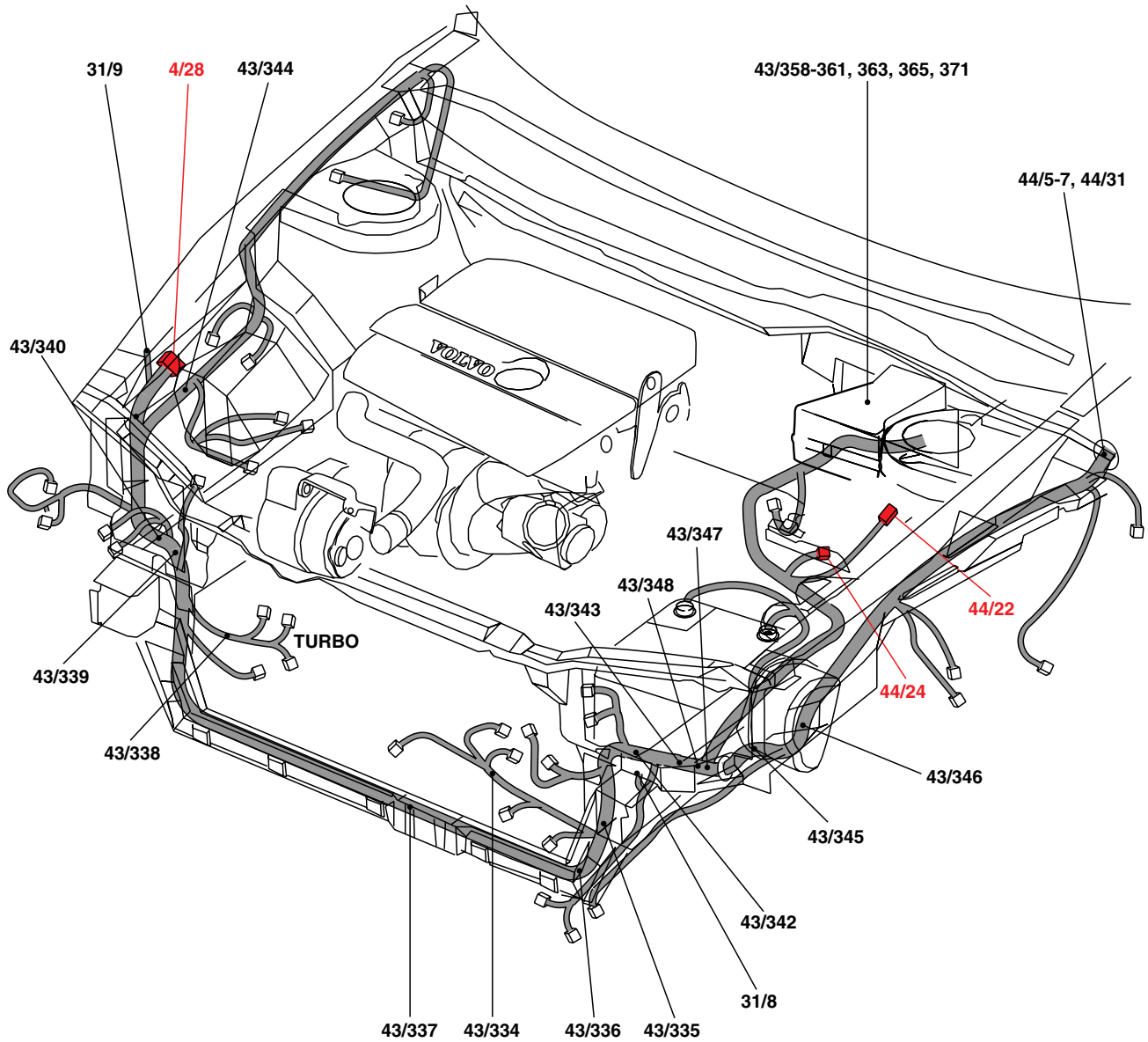
Engine harness Melco 2



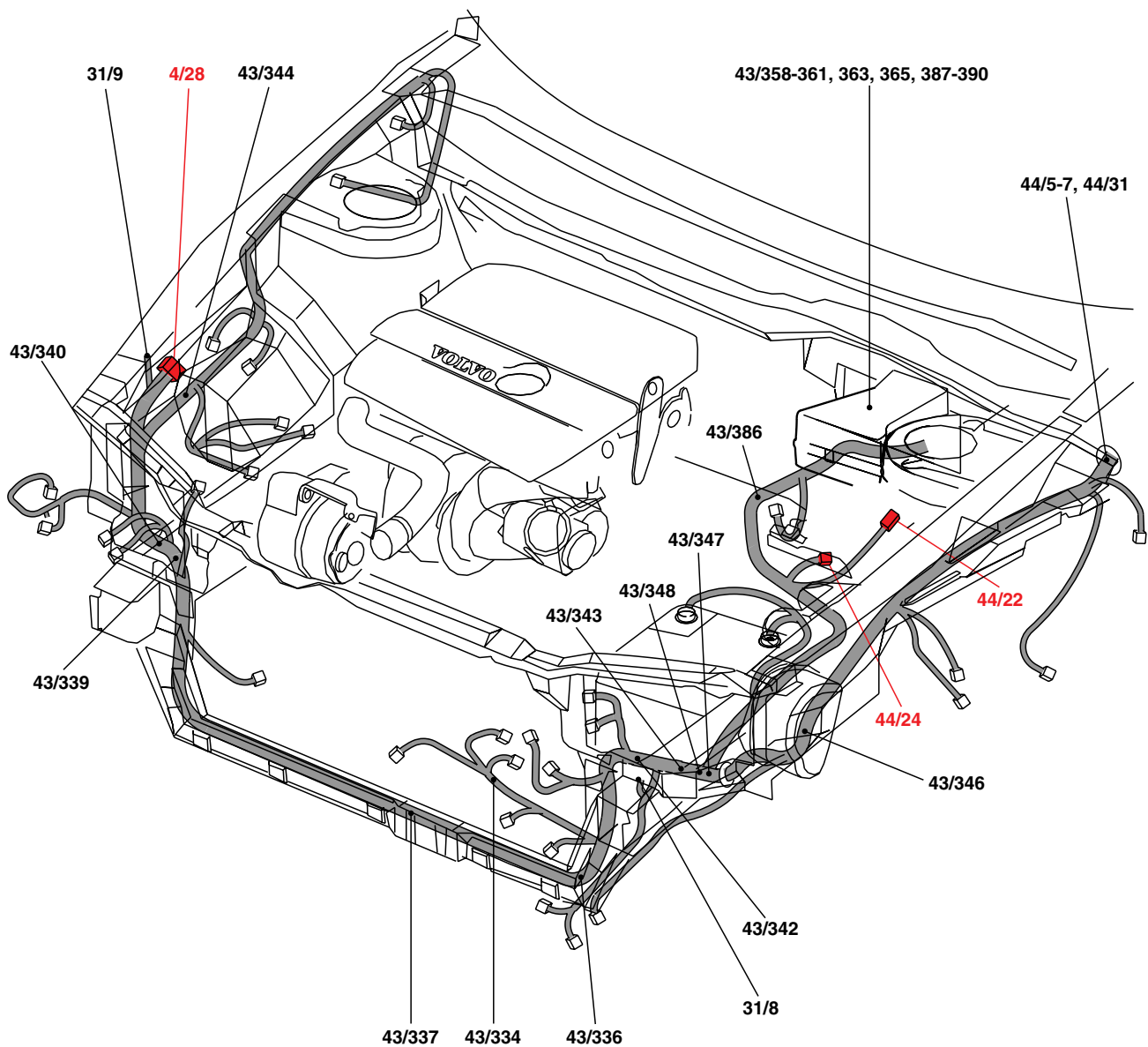
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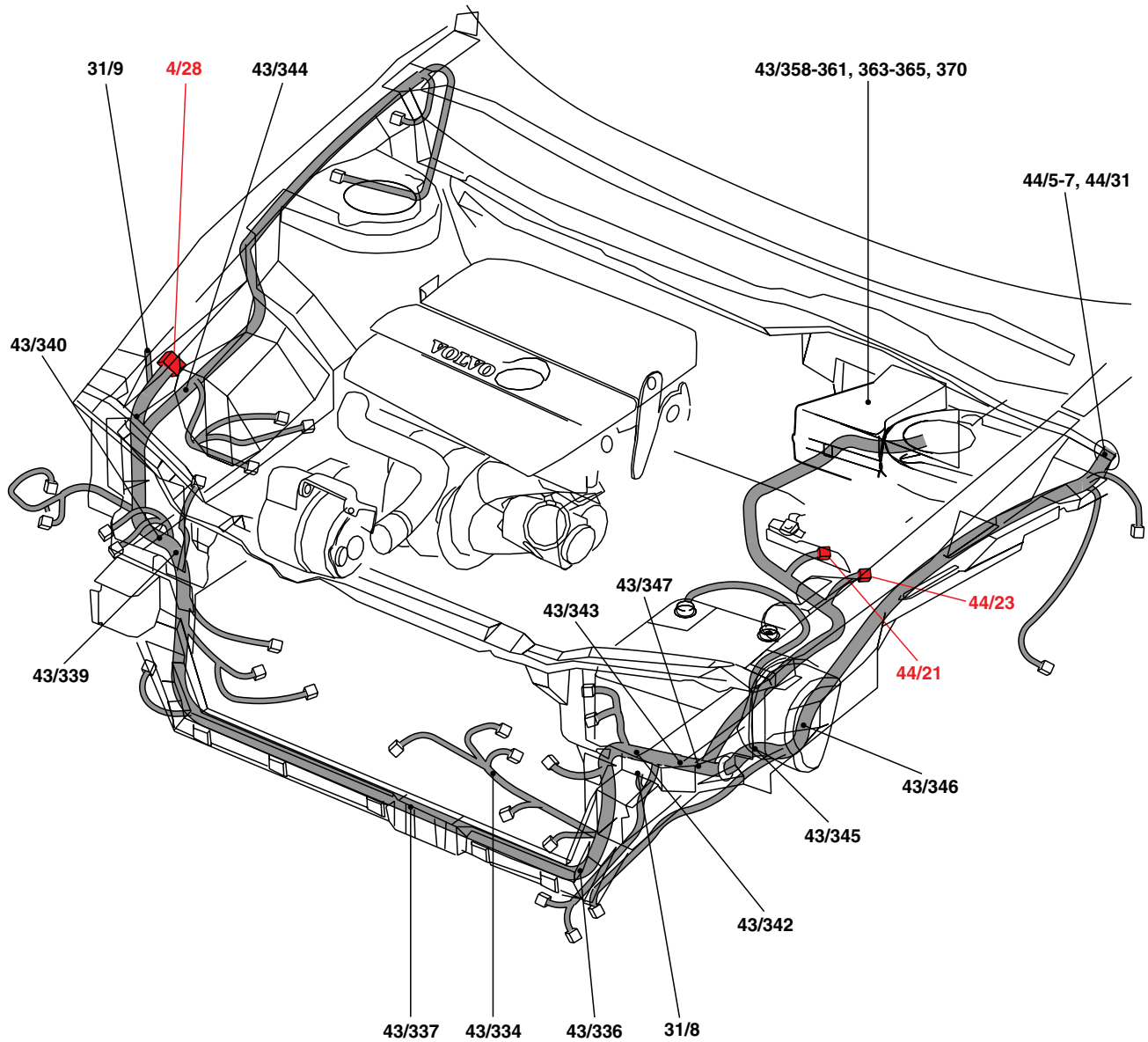
Engine compartment harness EMS 2000



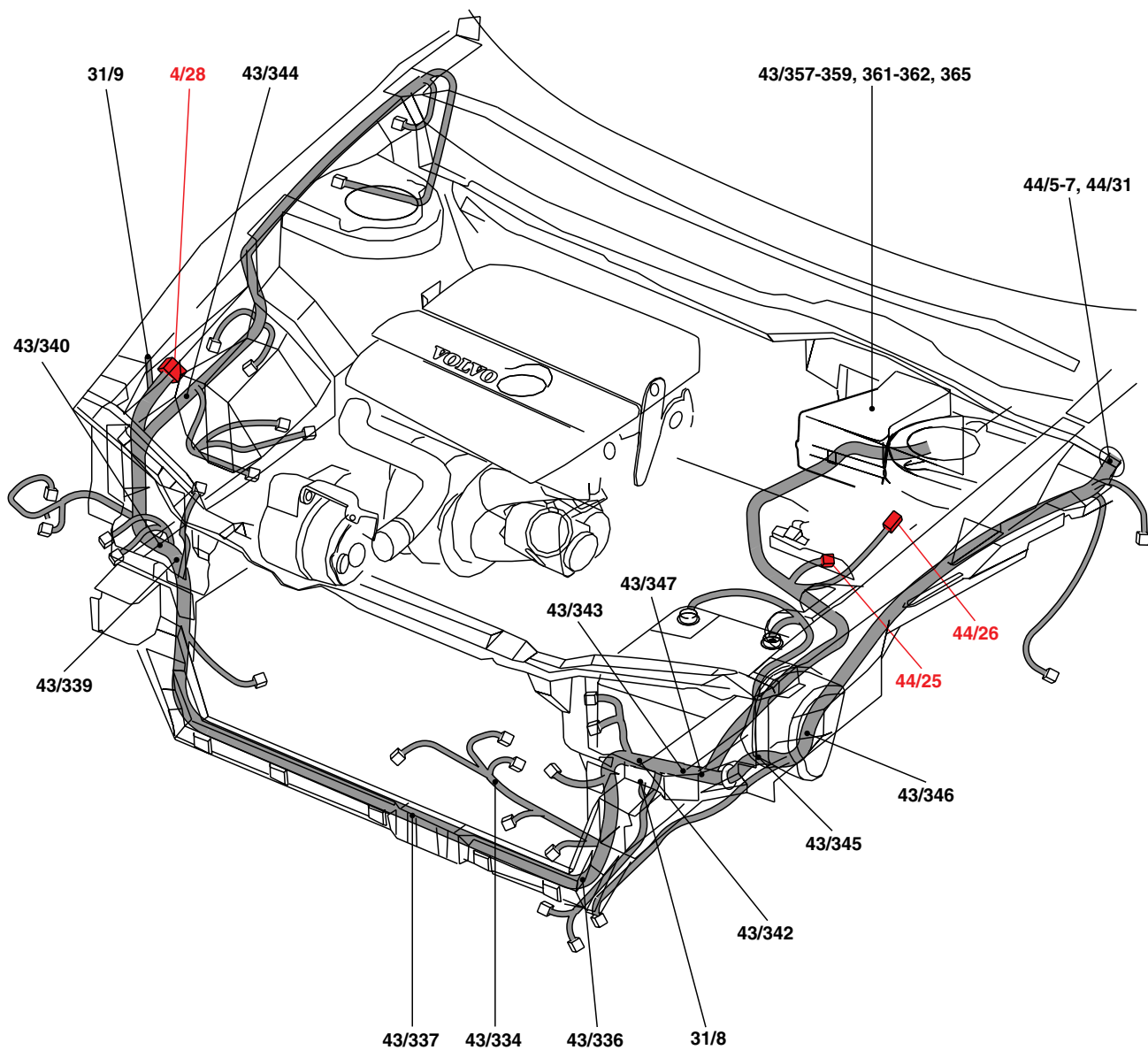
Engine compartment harness Bi-fuel



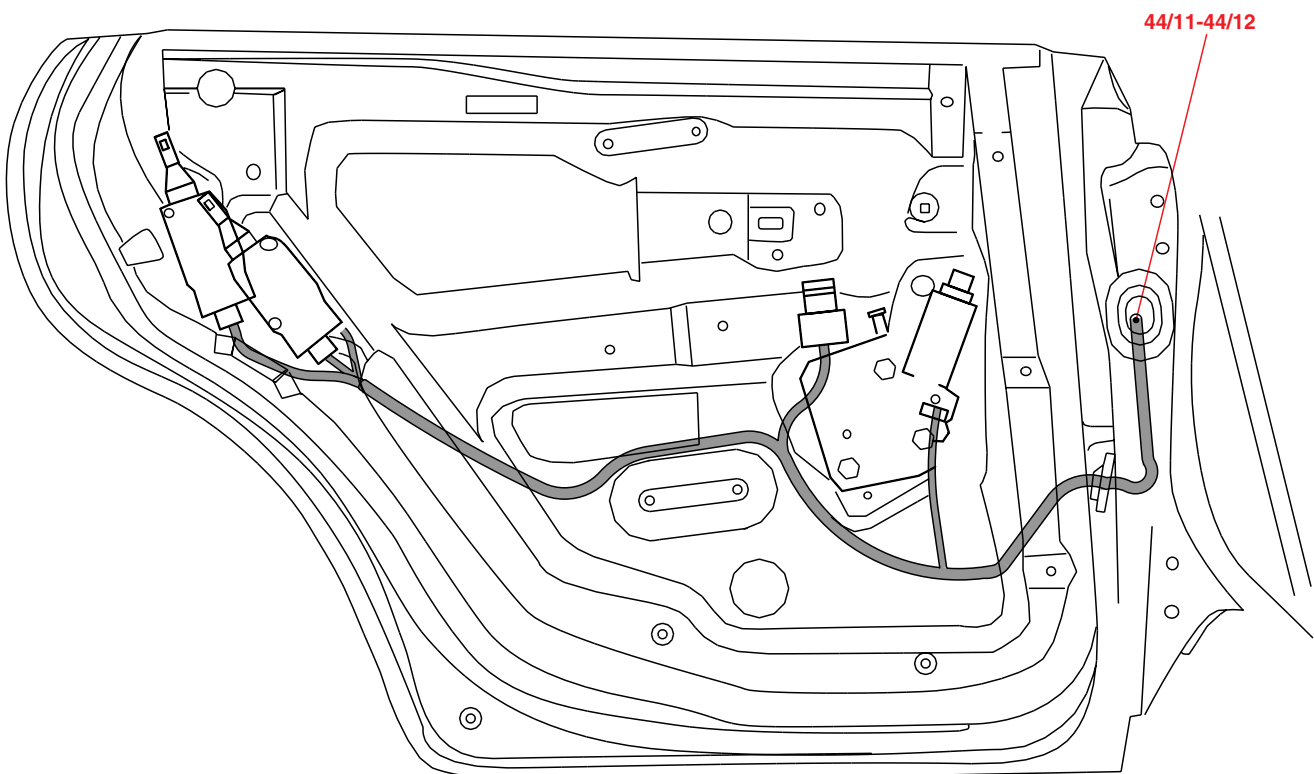
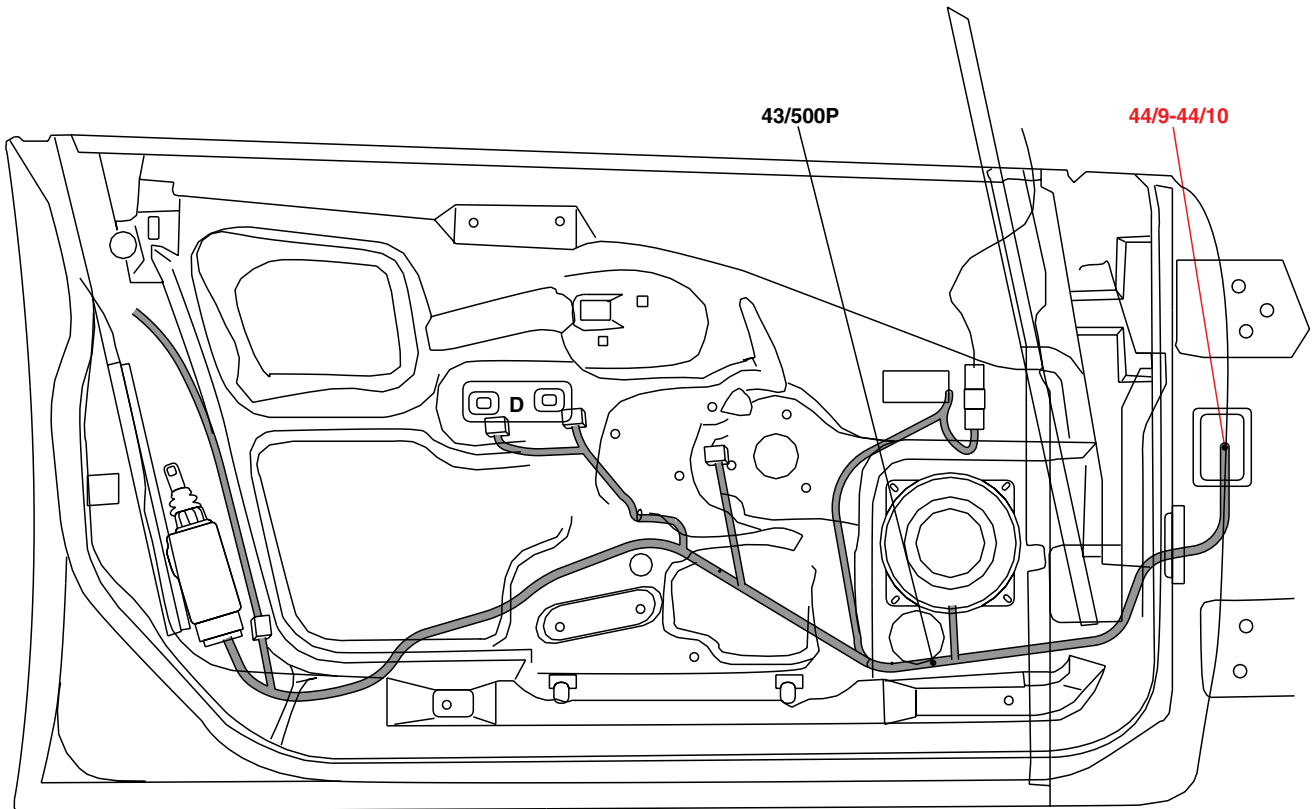
Engine compartment harness Melco 2



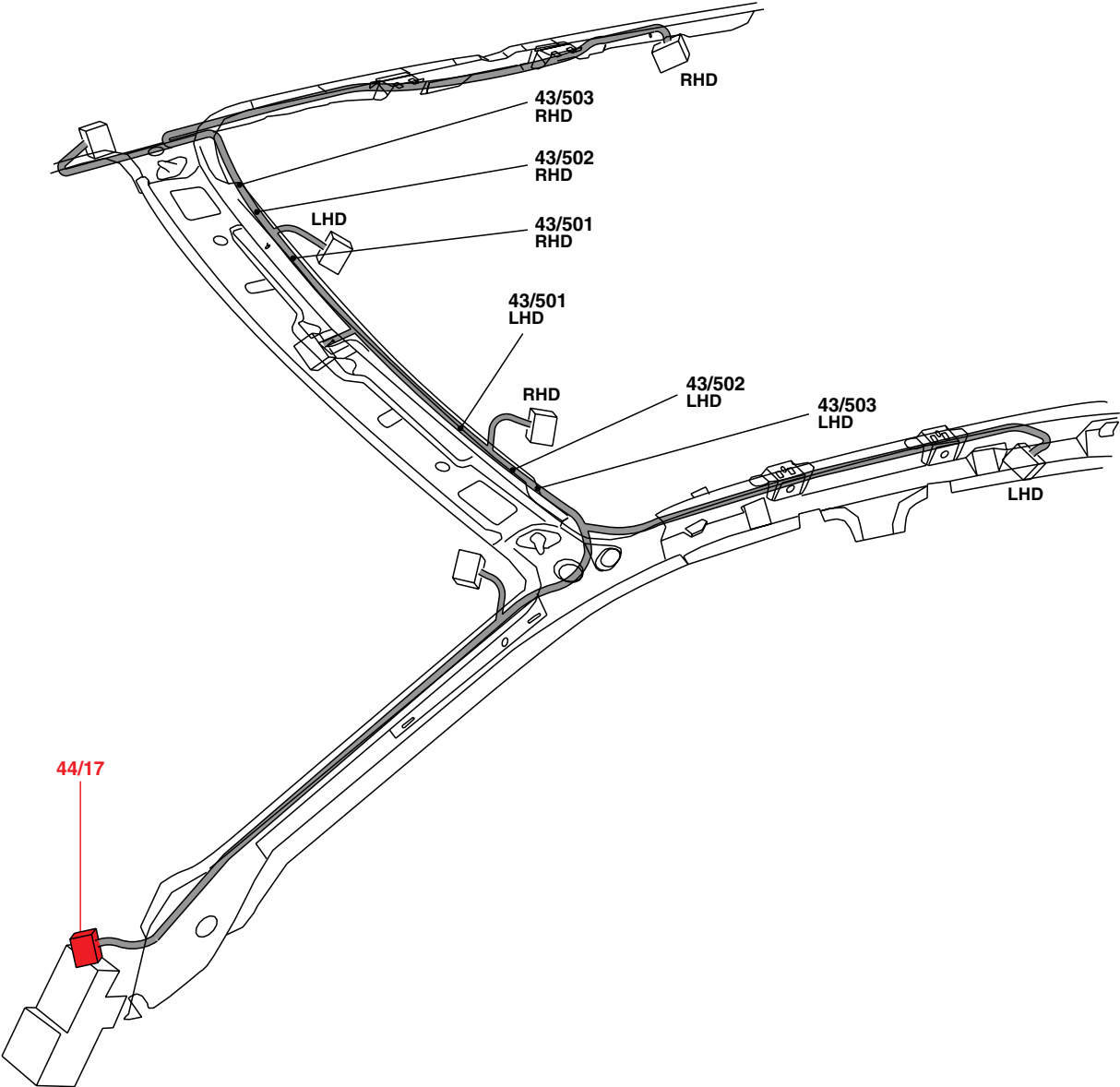
Engine compartment harness Diesel



Front door harness
Rear door harness

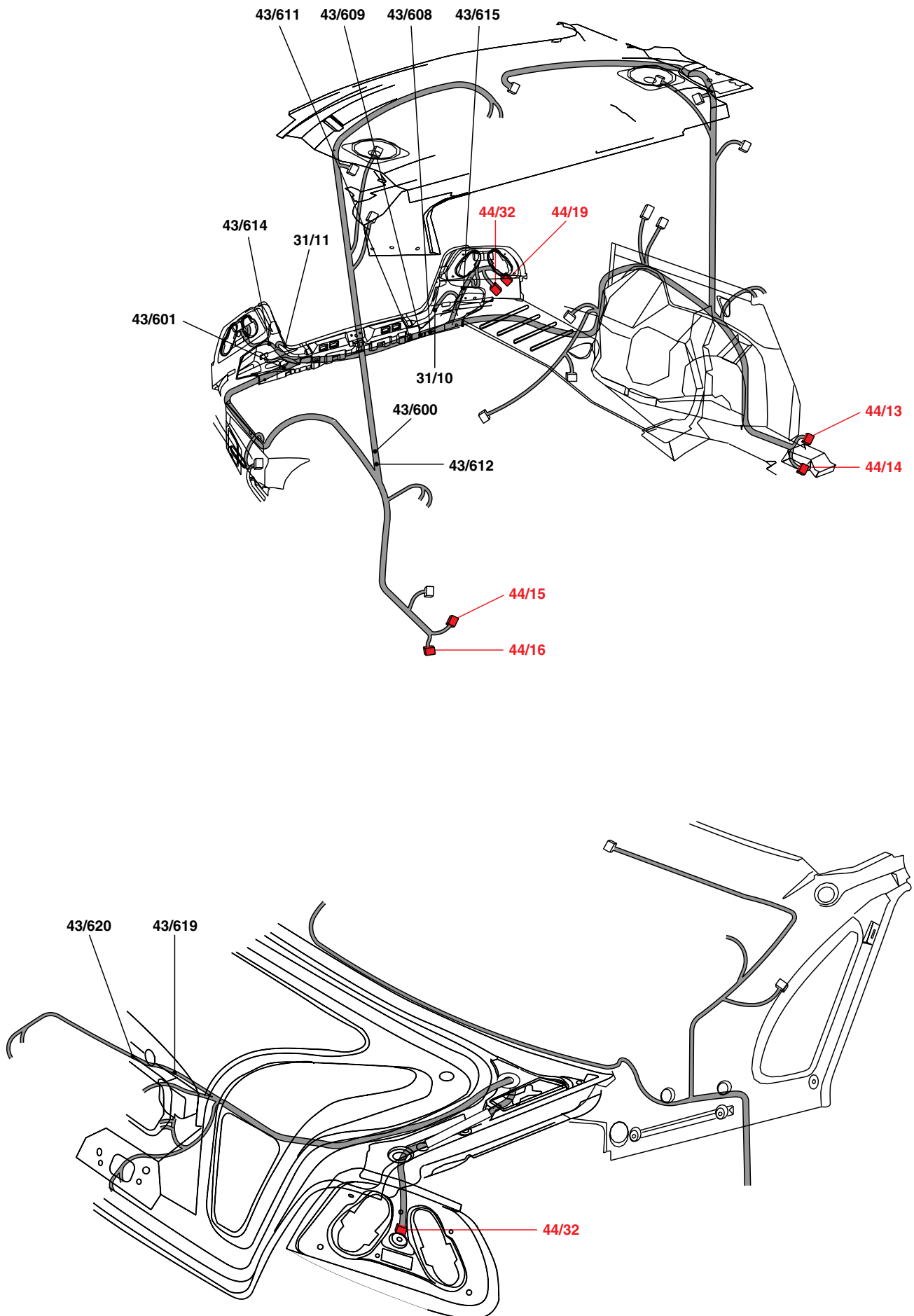


Roof harness



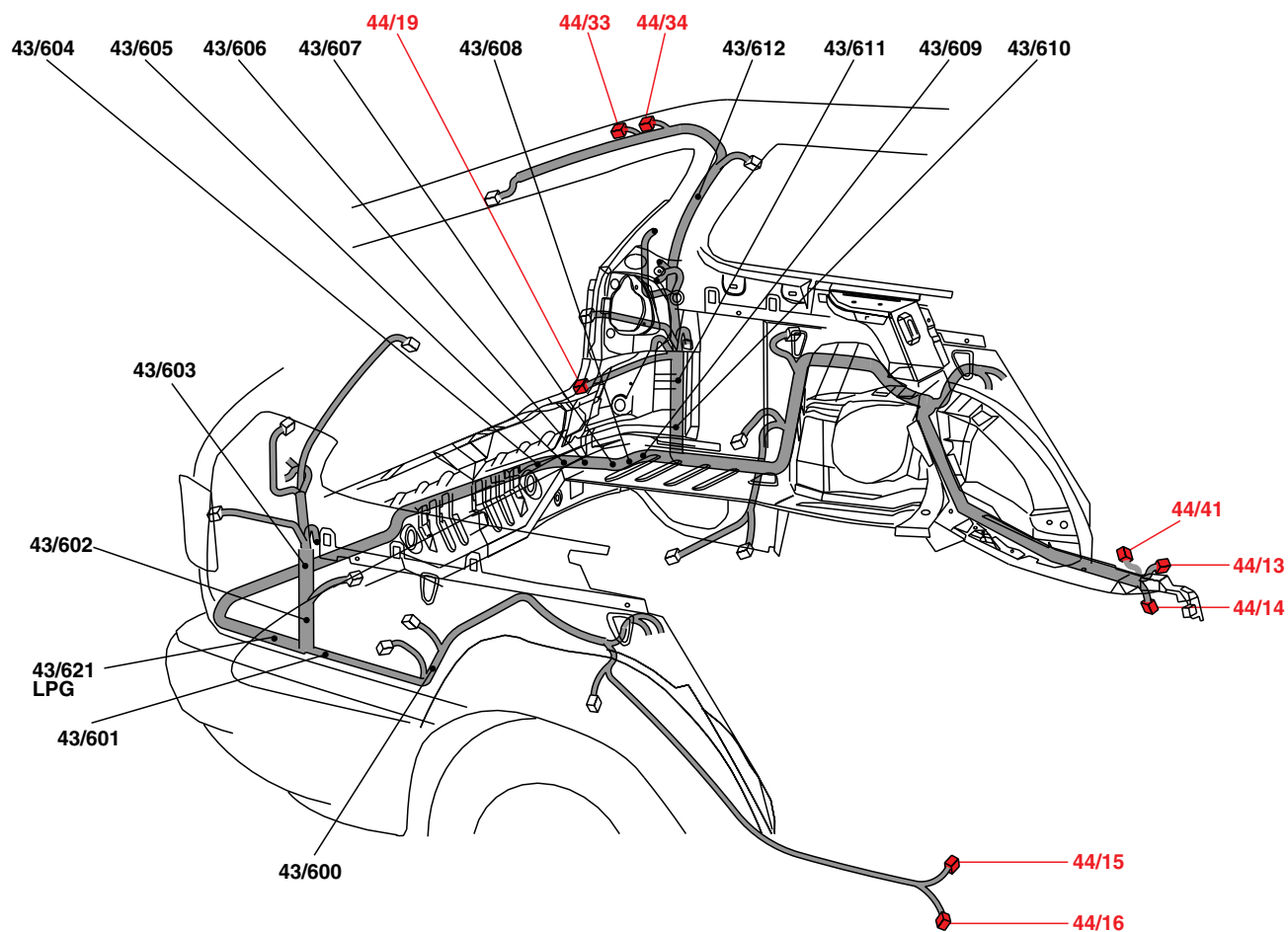
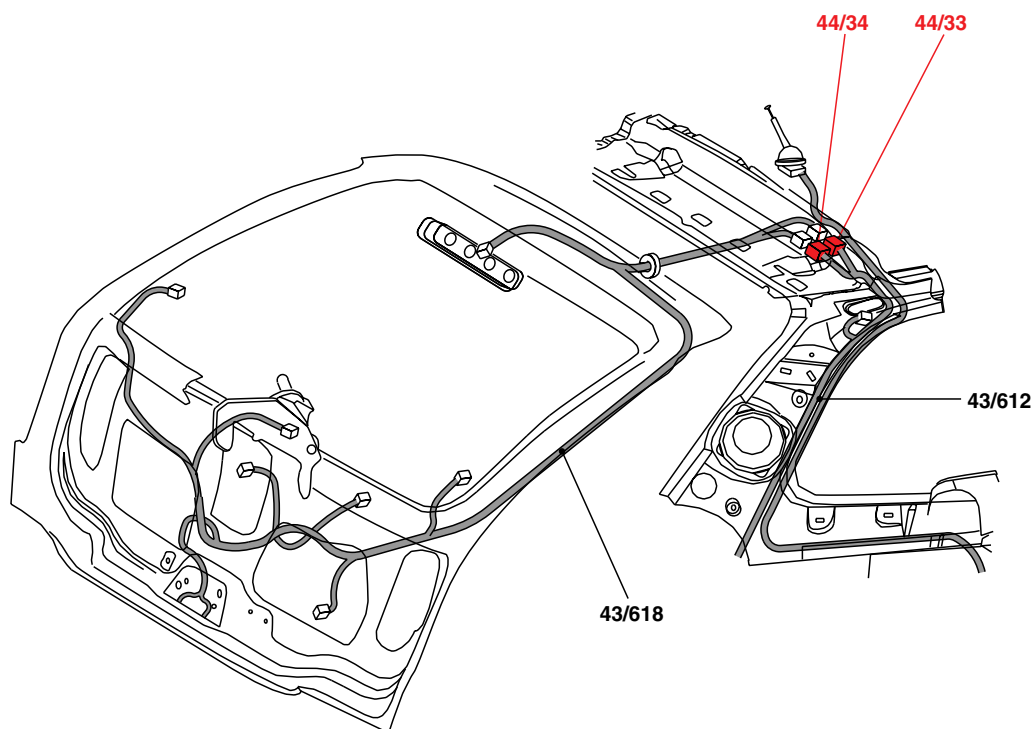
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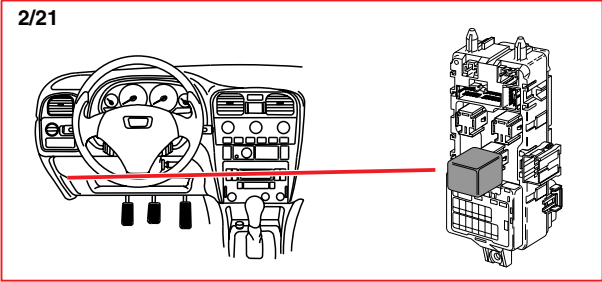
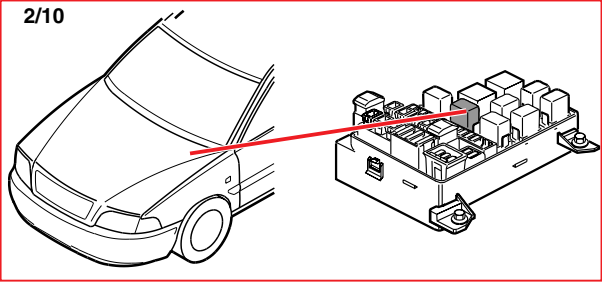
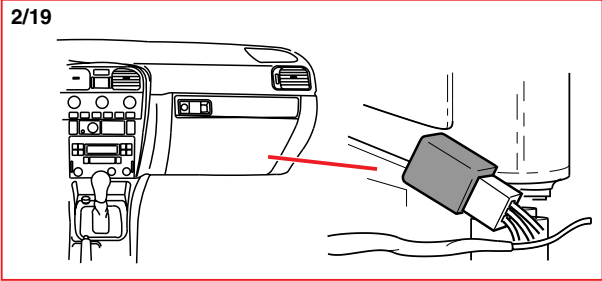
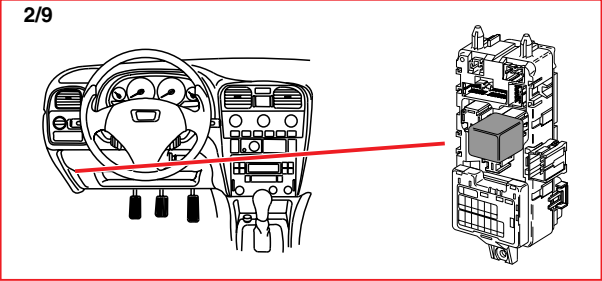
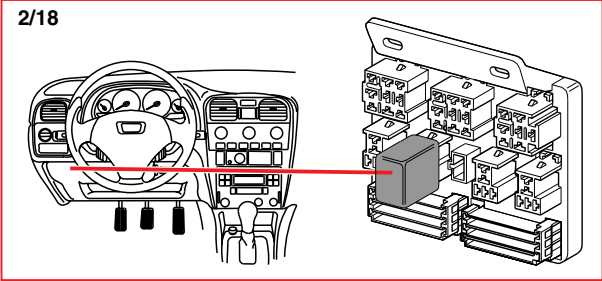
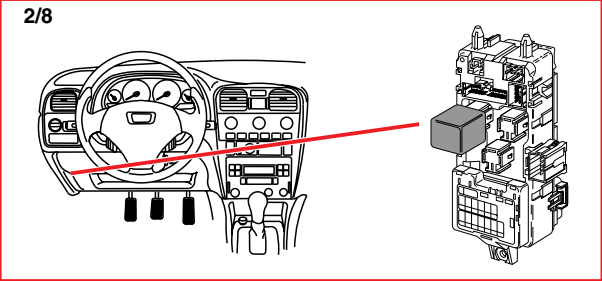
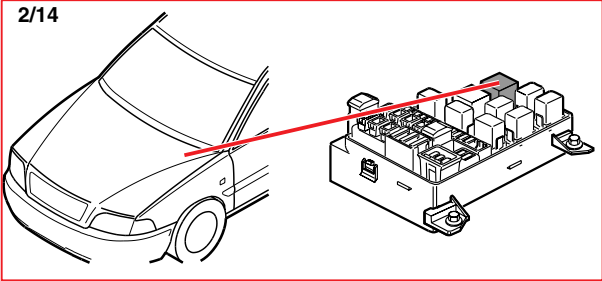
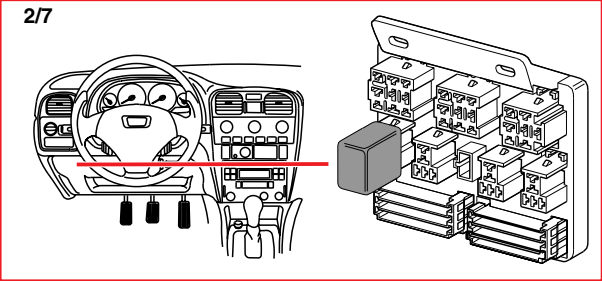
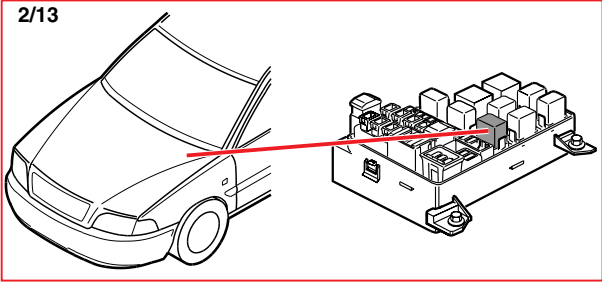
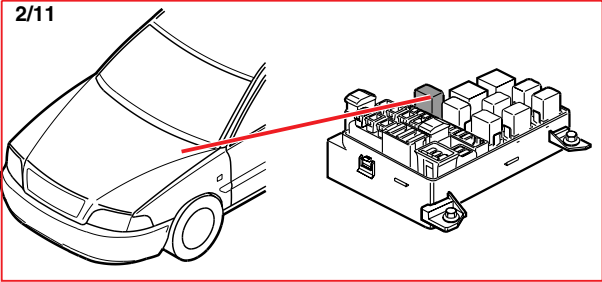
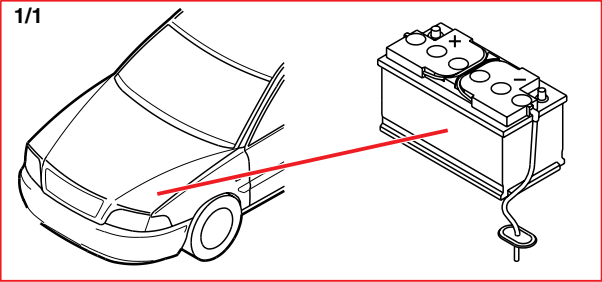
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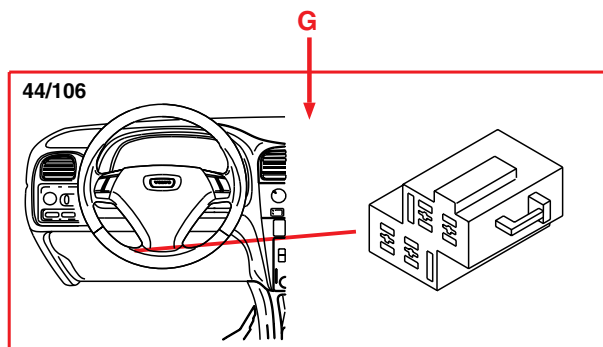
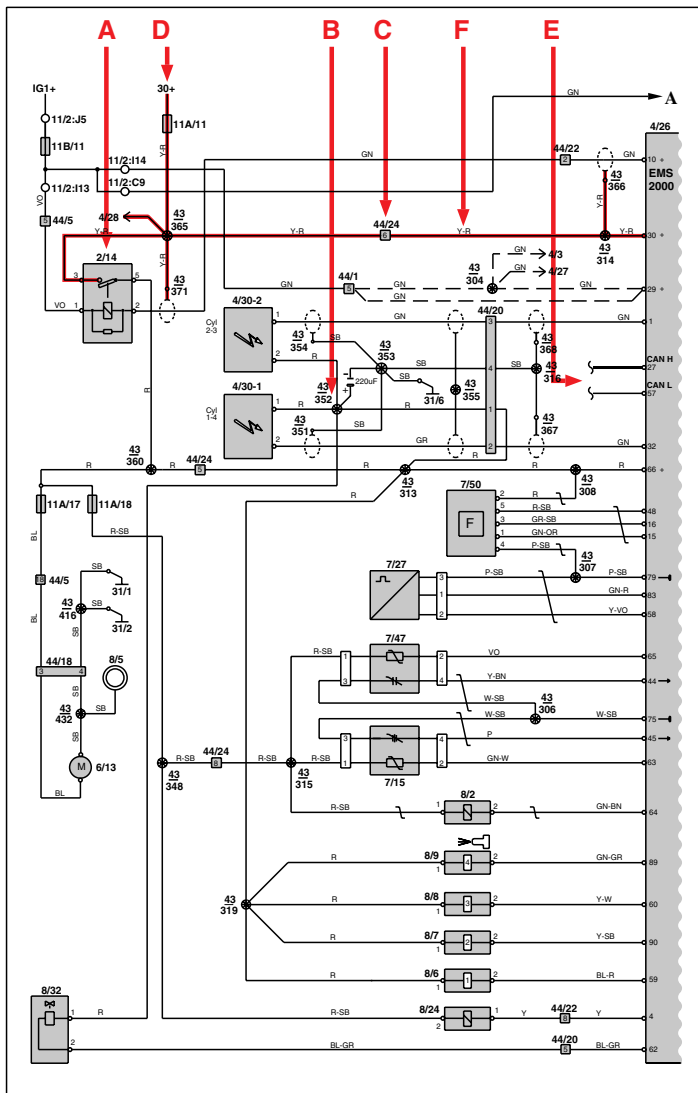
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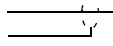
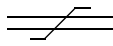
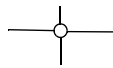
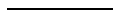
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How to use the wiring diagram



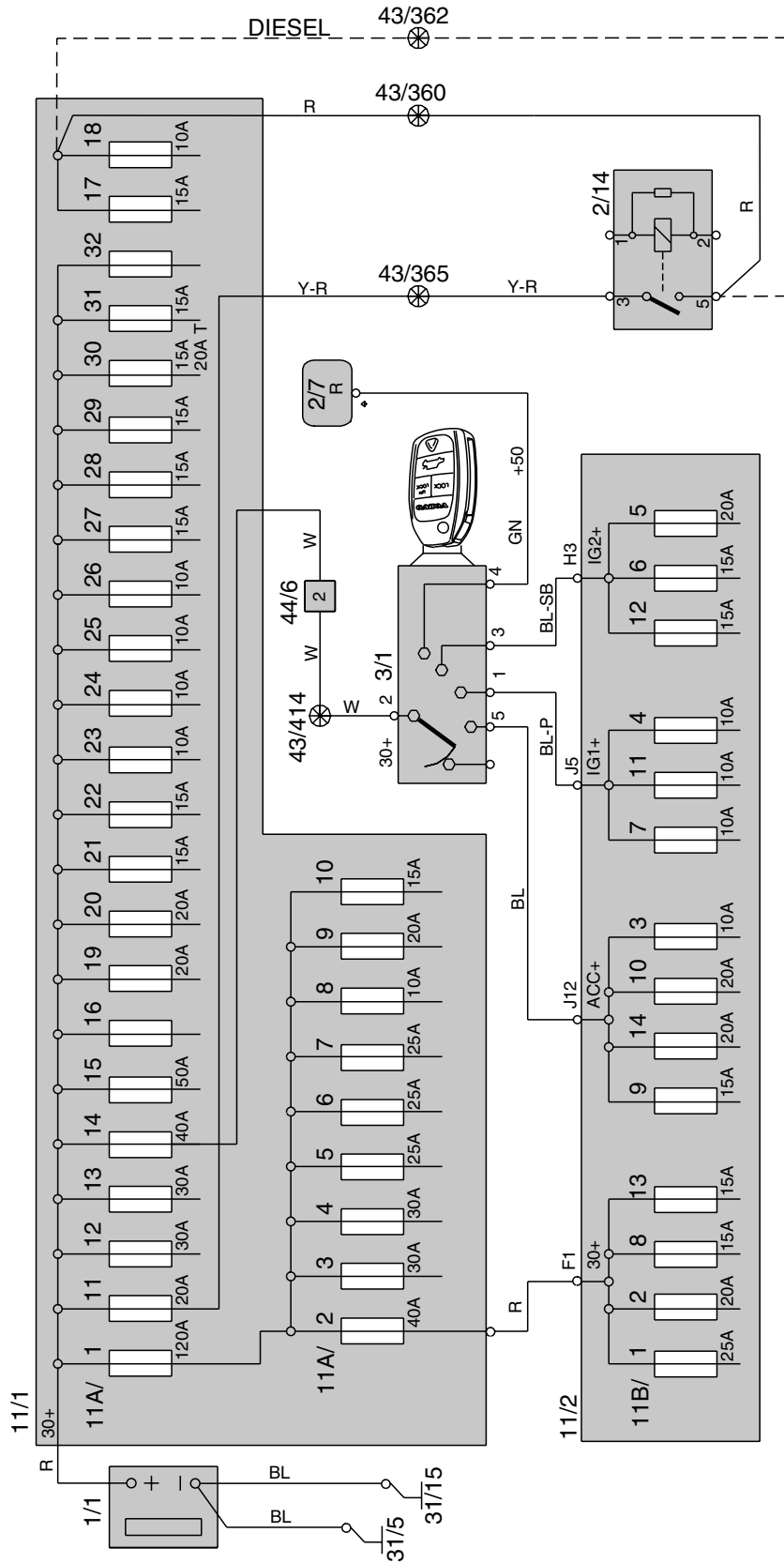
List of symbols

-  = System voltage
-  = Ground connection via wiring
-  = Ground connection on component/chassis
-  = Screened wire
-  = Junction point
-  = Twisted cable
-  = Electrical connection
-  = Variant
-  = CAN communication
-  = CAN high speed data signal (CAN H)
-  = CAN low speed data signal (CAN L)
-  = Serial communication
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-  = Data communication
-  = CAN communication
-  = Connection with fuse box
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-  = Connector between cable harnesses
-  = Connector connected to component

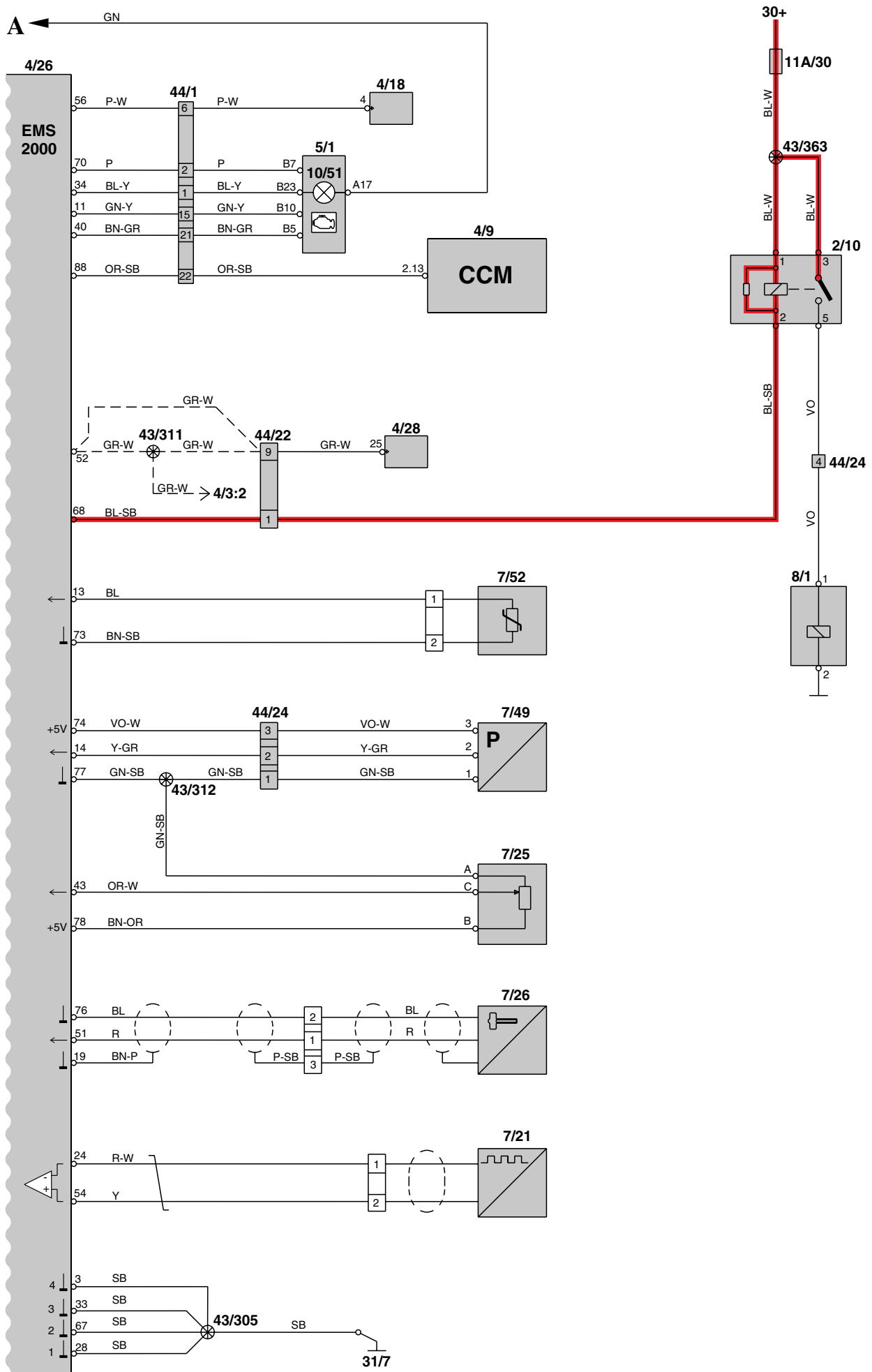
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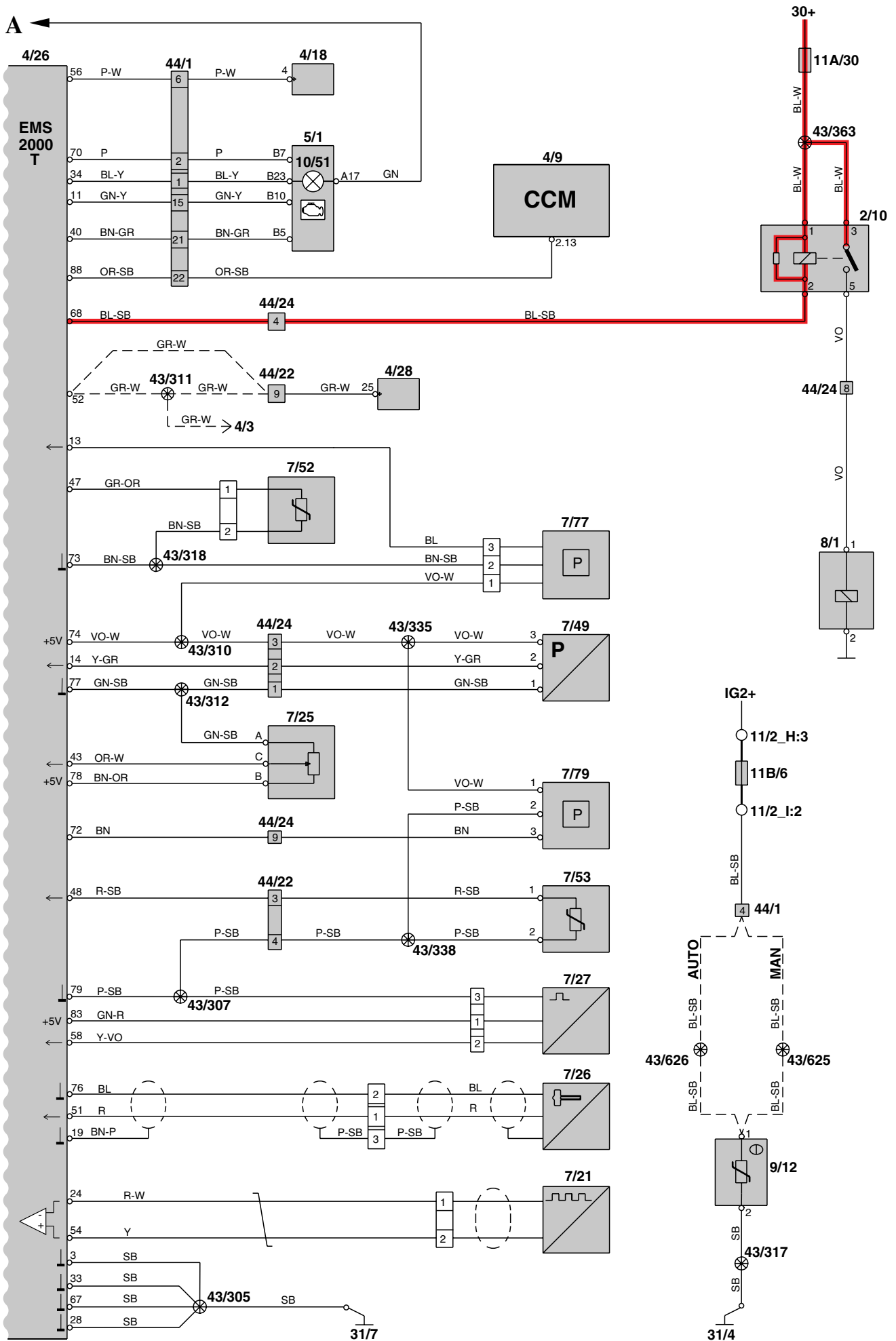
Electrical distribution Overview



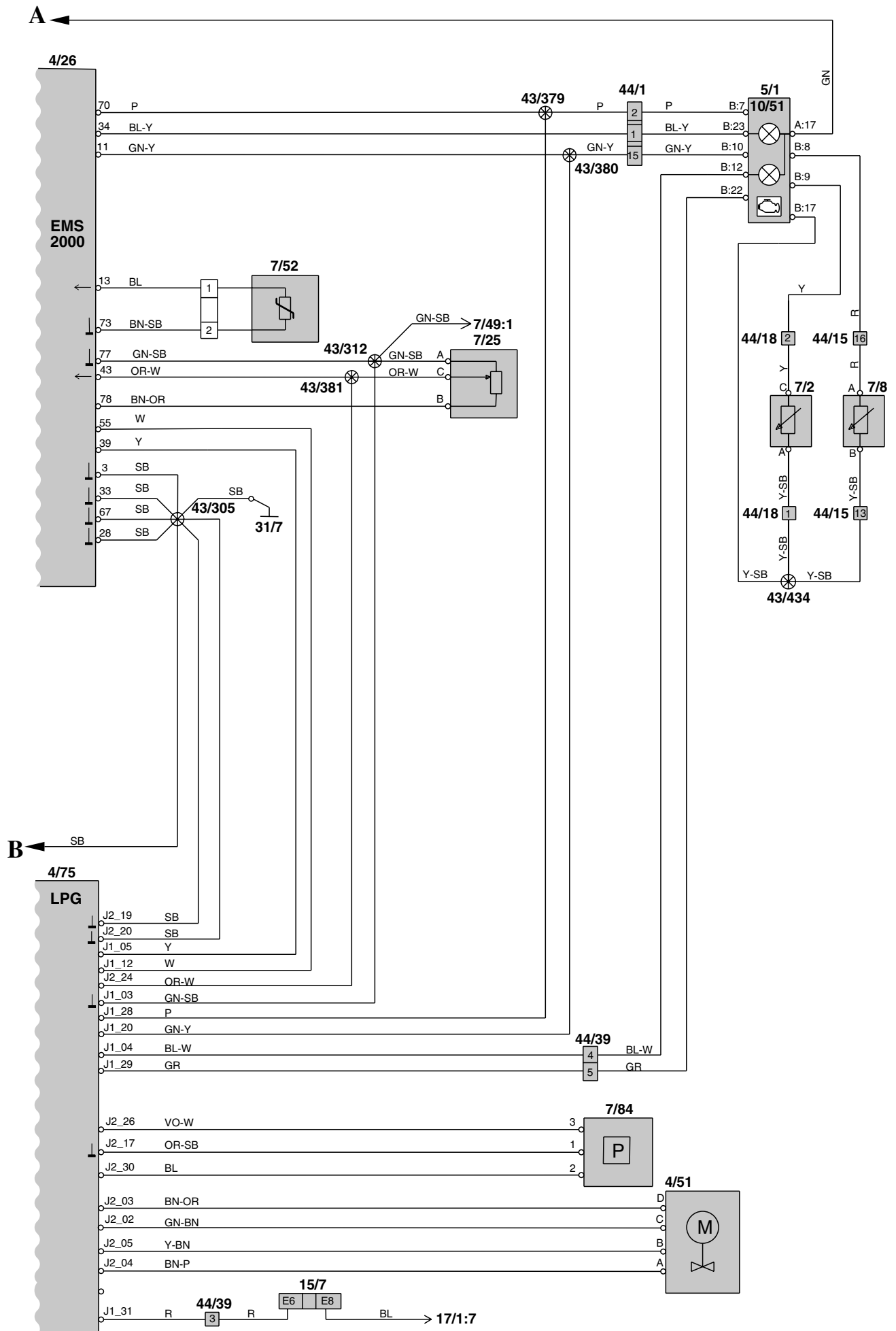
Engine management system, EMS 2000



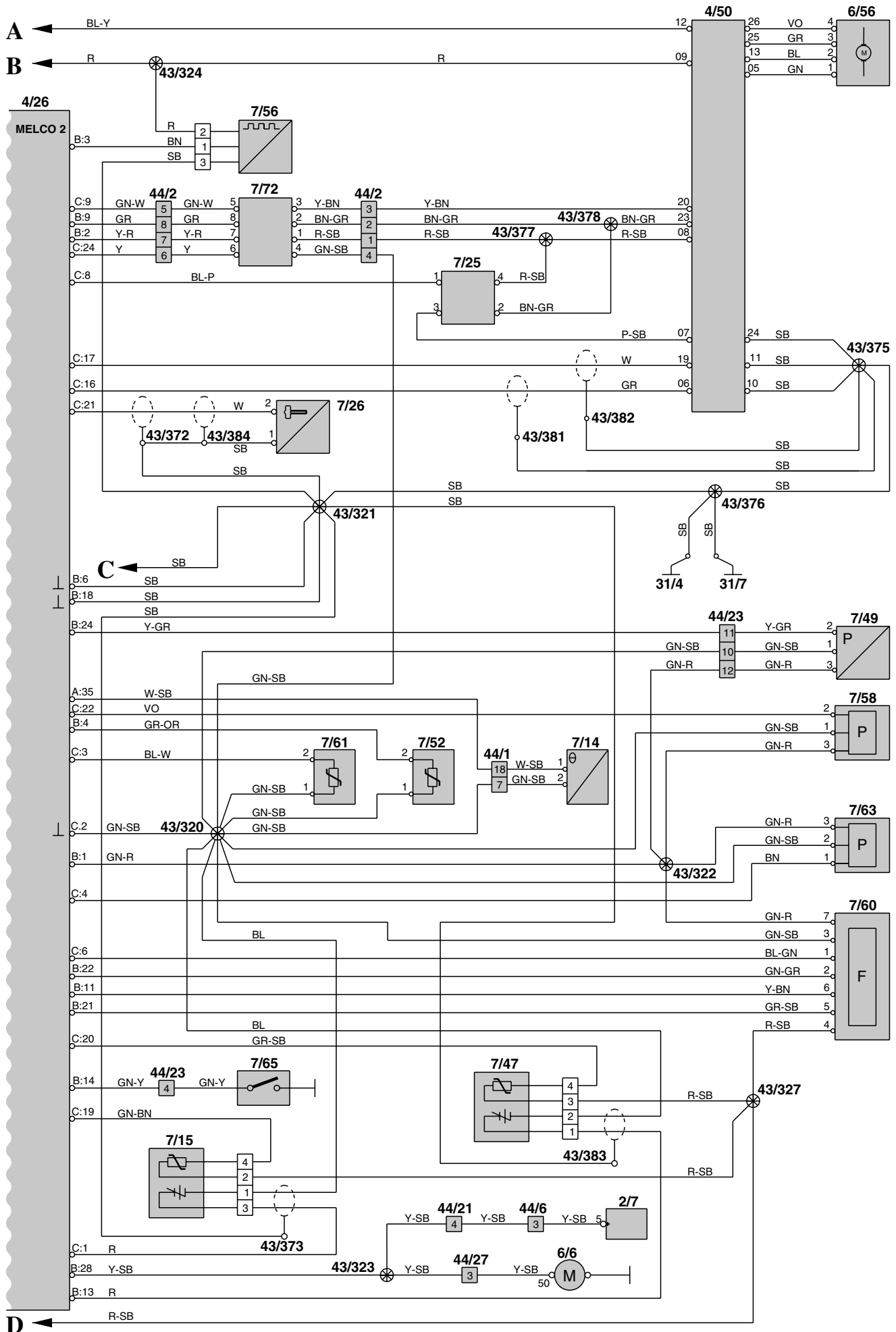
Engine management system, EMS 2000 Turbo



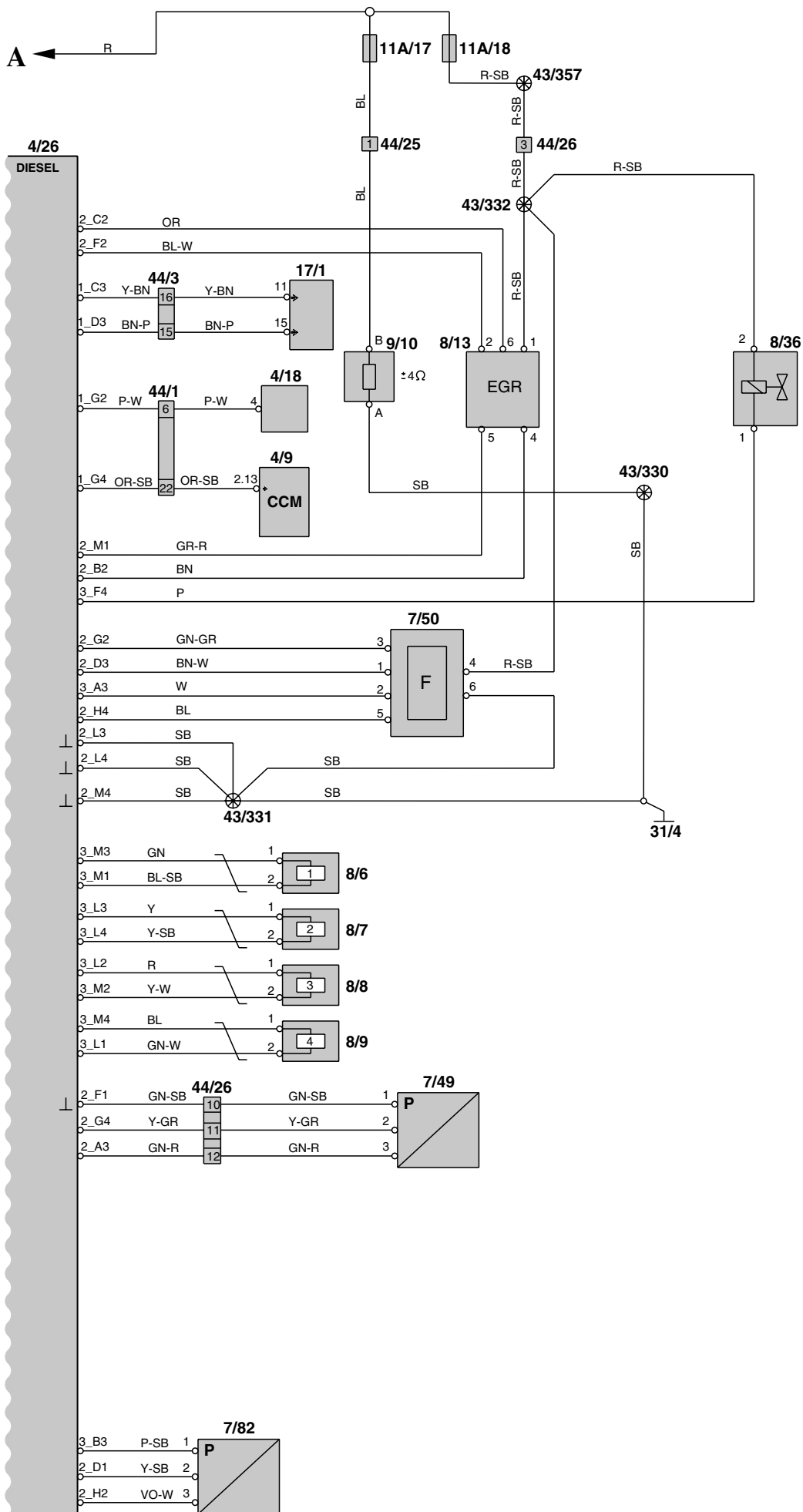
Engine management system, Bi-fuel



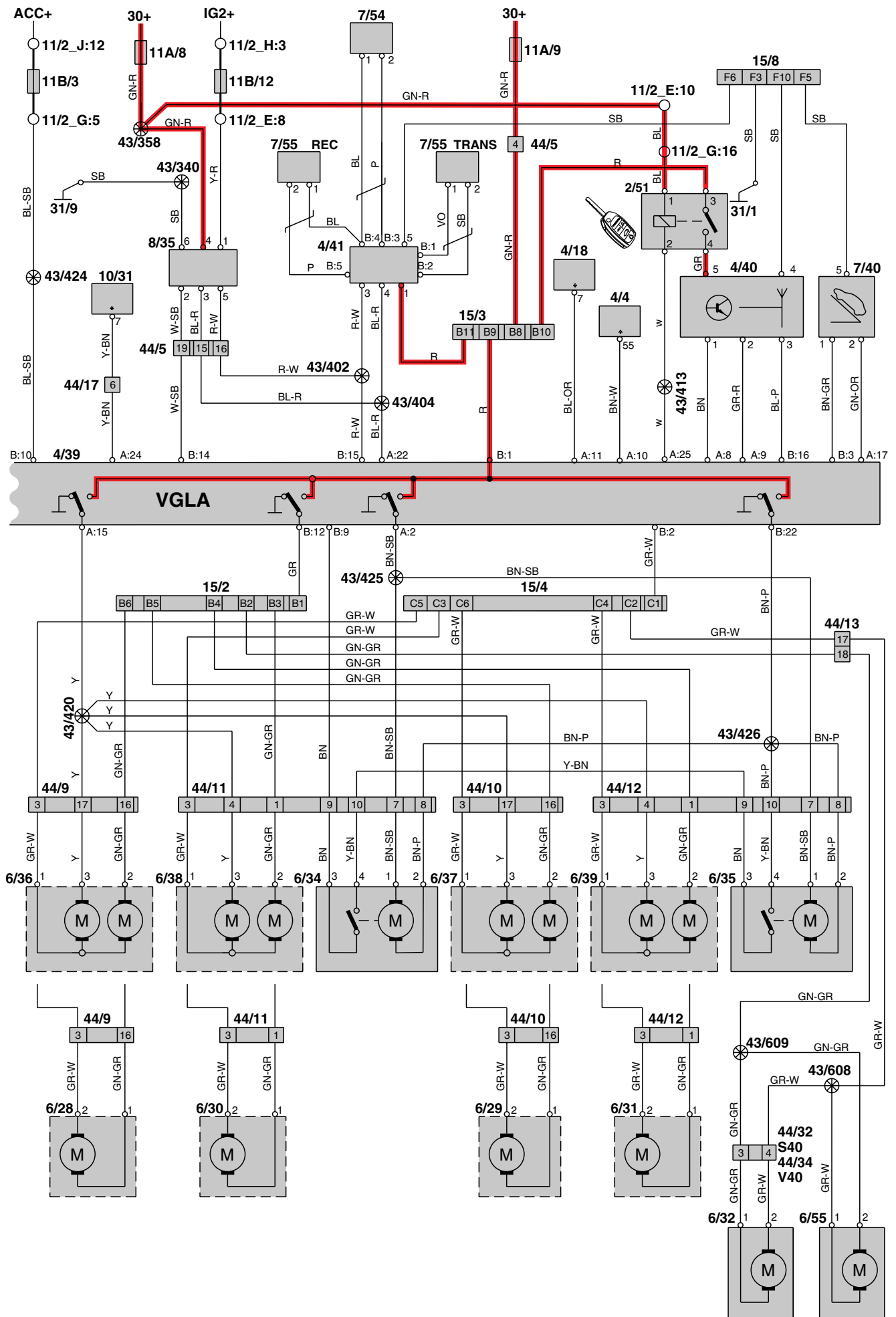
Engine management system, Melco 2



Engine management system, Diesel



Central locking and anti-theft alarm EU/OS



44/1 22-pin Melco 2

No.	Passenger compartment harness			Engine harness Melco 2		
1	5/1_B:23	Driver information module	BL-Y	4/26_A:31	Engine management system	BL-Y
2	5/1_B:7	Driver information module	P	43/379	Junction point	P
3	5/1_B:22 43/410	Driver information module Junction point	GR Y-R	4/26_C:10	Engine management system	Y-R
4	11/2_I:2	Fuse box in passenger compartment	BL-SB	3/10:1	Reversing light contact	BL-SB
5	11/2_I:14	Fuse box in passenger compartment 14	GN	4/26_C:29	Engine management system	GN
6	4/18:4	Control module, electronic immobilizer	P-W	4/26_C:28	Engine management system	P-W
7	7/14:2	Catalytic converter temperature sensor	GN-SB	43/320	Junction point	GN-SB
8	3/15:2 4/18:2	Clutch pedal contact, cruise control Control module, electronic immobilizer	BN-SB GN-R	4/26_B:26	Engine management system	BN-SB
9	3/11:9	Wiper switch, windshield/rear window	GR-R	6/1:2	Windshield wiper motor	GR-R
10	3/11:10	Wiper switch, windshield/rear window	BL-R	6/1:1	Windshield wiper motor	BL-R
11	4/38_B2:12 43/405	Central Electronic Module CEM Junction point, ECC	VO-W	6/1:4	Windshield wiper motor	VO-W
12	11/2_G:8	Fuse box in passenger compartment	BL-GN	6/1:3	Windshield wiper motor	BL-GN
13	5/1_B:20	Driver information module	Y-W	44/27:2	Connector	Y-W
14	11/2_I:9	Fuse box in passenger compartment	Y	7/9:1	Brake fluid level sensor	Y
15	5/1_B:10	Driver information module	GN-Y	4/26_A:7	Engine management system	GN-Y
16	4/38_B1:4	Central Electronic Module CEM	BL-P	4/26_B:23	Engine management system	BL-P
17	43/418	Junction point	R-SB	3/10:2	Reversing light contact	R-SB
18	4/9_1:1 7/14:1	Climate Control Module (CCM) Catalytic converter temperature sensor	BN-P W-SB	4/26_A:35	Engine management system	W-SB
19	15/7:E6	Distribution rail	BL	4/26_C:15	Engine management system	BL
20	5/1_B:13 43/415	Driver information module Junction point, ECC	W	44/27:6	Connector	W
21	5/1_B:5	Driver information module	BN-GR	4/26_A:15	Engine management system	BN-GR
22	4/9_2:13	Climate Control Module (CCM)	OR-SB	4/26_C:13	Engine management system	OR-SB

Connectors

44/1 Diesel

44/1 22-pin Diesel

No.	Passenger compartment harness			Engine harness Diesel		
1	5/1_B:23	Driver information module	BL-Y	4/26_1:H3	Engine management system	BL-Y
2	5/1_B:7	Driver information module	P	4/26_1:D4	Engine management system	P
3	5/1_B:22	Driver information module	GR	4/26_1:E4	Engine management system	Y-R
	43/410	Junction point	Y-R			
4	11/2_L:2	Fuse box in passenger compartment	BL-SB	3/10:1	Reversing light contact	BL-SB
5	11/2_L:14	Fuse box in passenger compartment	GN	4/26_2:E3	Engine management system	GN
6	4/18:4	Control module, electronic immobilizer	P-W	4/26_1:G2	Engine management system	P-W
7	2/7:2	Starter motor relay	R	-		-
8	3/15:2	Clutch pedal contact, cruise control	BN-SB	4/26_1:E2	Engine management system	BN-SB
	4/18:2	Control module, electronic immobilizer	GN-R			
9	3/11:9	Wiper switch, windshield/rear window	GR-R	6/1:2	Windshield wiper motor	GR-R
10	3/11:10	Wiper switch, windshield/rear window	BL-R	6/1:1	Windshield wiper motor	BL-R
11	4/38_B2:12	Central Electronic Module CEM	VO-W	6/1:4	Windshield wiper motor	VO-W
	43/405	Junction point, ECC				
12	11/2_G:8	Fuse box in passenger compartment	BL-GN	6/1:3	Windshield wiper motor	BL-GN
13	5/1_B:20	Driver information module	Y-W	7/7	Oil pressure sensor	Y-W
14	11/2_L:9	Fuse box in passenger compartment	Y	7/9:1	Brake fluid level sensor	Y
15	5/1_B:10	Driver information module	GN-Y	4/26_3:H4	Engine management system	GN-Y
16	4/38_B1:4	Central Electronic Module CEM	BL-P	4/26_1:F3	Engine management system	BL-P
17	43/418	Junction point	R-SB	3/10:2	Reversing light contact	R-SB
18	4/9_1:11	Climate Control Module (CCM)	BN-P	-		-
19	15/7:E6	Distribution rail	BL	-		-
20	5/1_B:13	Driver information module	W	6/7:1	Generator	W
	43/415	Junction point, ECC				
21	5/1_B:5	Driver information module	BN-GR	4/26_1:E3	Engine management system	BN-GR
22	4/9_2:13	Climate Control Module (CCM)	OR-SB	4/26_1:G4	Engine management system	OR-SB

44/1 22-pin Bi-Fuel

No.	Passenger compartment harness			Engine harness, Bi-fuel		
1	5/1_B:23	Driver information module	BL-Y	4/26:34	Engine management system	BL-Y
2	5/1_B:7	Driver information module	P	43/379	Junction point	P
3	5/1_B:22	Driver information module	GR	43/315	Junction point	R-SB
	7/85:1	Heated oxygen sensor LPG	R-SB			
	43/410	Junction point	Y-R			
4	11/2_I:2	Fuse box in passenger compartment	BL-SB	3/10:1	Reversing light contact	BL-SB
5	11/2_I:14	Fuse box in passenger compartment	GN	4/26:29	Engine management system	GN
6	4/18:4	Control module, electronic immobilizer	P-W	4/26:56	Engine management system	P-W
7	2/7:2	Starter motor relay	R	44/1:8	Connector	R
8	4/18:2	Control module, electronic immobilizer	GN-R	44/1:7	Connector	R
9	3/11:9	Wiper switch, windshield/rear window	GR-R	6/1:2	Windshield wiper motor	GR-R
10	3/11:10	Wiper switch, windshield/rear window	BL-R	6/1:1	Windshield wiper motor	BL-R
11	4/38_B2:12	Central Electronic Module CEM	VO-W	6/1:4	Windshield wiper motor	VO-W
	43/405	Junction point, ECC				
12	11/2_G:8	Fuse box in passenger compartment	BL-GN	6/1:3	Windshield wiper motor	BL-GN
13	5/1_B:20	Driver information module	Y-W	7/7	Oil pressure sensor	Y-W
14	11/2_I:9	Fuse box in passenger compartment	Y	7/9:1	Brake fluid level sensor	Y
15	5/1_B:10	Driver information module	GN-Y	43/380	Junction point	GN-Y
16	4/38_B1:4	Central Electronic Module CEM	BL-P	43/305	Junction point	SB
	7/85:2	Heated oxygen sensor LPG	SB			
17	43/418	Junction point	R-SB	3/10:2	Reversing light contact	R-SB
18	4/9_1:11	Climate Control Module (CCM)	BN-P	43/385	Junction point	W-SB
	7/85:3	Heated oxygen sensor LPG	W-SB			
19	7/85:4	Heated oxygen sensor LPG	R-W	4/75_J2:27	Control module LPG	R-W
	15/7:E6	Distribution rail	BL			
20	5/1_B:13	Driver information module	W	6/7:61	Generator	W
	43/415	Junction point				
21	5/1_B:5	Driver information module	BN-GR	4/26:40	Engine management system	BN-GR
22	4/9_2:13	Climate Control Module (CCM)	OR-SB	4/26:88	Engine management system	OR-SB

Connector 44/2 - 44/3

44/2 16-pin Melco 2

No.	Passenger compartment harness			Engine harness Melco 2		
1	7/72:1	Accelerator pedal sensor	R-SB	43/377	Junction point	R-SB
2	7/72:2	Accelerator pedal sensor	BN-GR	43/378	Junction point	BN-GR
3	7/72:3	Accelerator pedal sensor	Y-BN	4/50:20	Control module, fuel throttle body	Y-BN
4	7/72:4	Accelerator pedal sensor	GN-SB	43/320	Junction point	GN-SB
5	7/72:5	Accelerator pedal sensor	GN-W	4/26_C:9	Engine management system	GN-W
6	7/72:6	Accelerator pedal sensor	Y	4/26_C:24	Engine management system	Y
7	7/72:7	Accelerator pedal sensor	Y-R	4/26_B:2	Engine management system	Y-R
8	7/72:8	Accelerator pedal sensor	GR	4/26_B:9	Engine management system	GR
9	11/2_G:3	Fuse box in passenger compartment	GN-BN	4/26_B:20	Engine management system	GN-BN
10	-		-	-		-
11	43/411	Junction point	BL-R	4/26_C:27	Engine management system	BL-R
12	3/4:5	Control, cruise control	GN-R	4/26_C:12	Engine management system	GN-R
13	3/4:3	Control, cruise control	W-SB	4/26_C:23	Engine management system	W-SB
14	3/4:4	Control, cruise control	Y-SB	4/26_C:11	Engine management system	Y-SB
15	3/14:2	Brake pedal contact, cruise control	VO	4/26_B:8	Engine management system	VO
16	-		-	-		-

44/3 16-pin Diesel

No.	Passenger compartment harness			Engine harness Diesel		
1	7/72:1	Accelerator pedal sensor	GR-R	4/26_1:A3	Engine management system	GR-R
2	7/72:2	Accelerator pedal sensor	R-W	4/26_1:B3	Engine management system	R-W
3	7/72:3	Accelerator pedal sensor	BN	4/26_1:C1	Engine management system	BN
4	7/72:4	Accelerator pedal sensor	Y-GR	4/26_1:E1	Engine management system	Y-GR
5	7/72:5	Accelerator pedal sensor	GN-W	4/26_1:H2	Engine management system	GN-W
6	7/72:6	Accelerator pedal sensor	VO-W	4/26_1:F1	Engine management system	VO-W
7	3/14:2	Brake pedal contact, cruise control	VO	4/26_1:H1	Engine management system	VO
8	5/1_B:22	Driver information module	GR	4/26_1:G1	Engine management system	GR
9	-		-	-		-
10	5/1_B:12	Driver information module	BL-W	4/26_1:H4	Engine management system	BL-W
11	43/411	Junction point	BL-R	4/26_1:D2	Engine management system	BL-R
12	3/4:5	Control, cruise control	GN-R	4/26_1:F2	Engine management system	GN-R
13	3/4:3	Control, cruise control	W-SB	4/26_1:B1	Engine management system	W-SB
14	3/4:4	Control, cruise control	Y-SB	4/26_1:C2	Engine management system	Y-SB
15	17/1:15	Data link connector	BN-P	4/26_1:D3	Engine management system	BN-P
16	17/1:11	Data link connector	Y-BN	4/26_1:C3	Engine management system	Y-BN

44/4 6-pin EMS 2000

No.	Passenger compartment harness			Engine harness EMS 2000		
1	44/13:13	Connector, LHD	GR-R	4/26:35	Engine management system, Turbo LHD	GR-R
2	44/13:14	Connector, LHD	GN-W	4/26:41	Engine management system, Turbo LHD	GN-W
3	5/1_B:6	Driver information module	BL-OR	4/27:25	Transmission Control Module TCM	BL-OR
4	15/1:A5	Distribution rail	BN	43/303	Junction point	BN
5	4/5:2	Control module, cruise control, Gasoline	R	43/309	Junction point	R
6	3/51:3	Contact, brake lights/unlocking gear selector	W	2/23:1	Relay, shift lock	W

44/5 22-pin

No.	Passenger compartment harness			Engine compartment harness		
1	18/4:6	Contact reel	GN-SB	2/35:2	Horn relay	GN-SB
2	43/427	Junction point	BL-Y	11A/6	Fuses in the engine compartment	BL-Y
3	8/26:1	Power passenger seat	Y-VO	11A/7	Fuses in the engine compartment	Y-VO
4	15/3:B8	Distribution rail	GN-R	11A/9	Fuses in the engine compartment	GN-R
5	11/2_I:13	Fuse box in passenger compartment	VO	2/14:1	Engine management system main relay	VO
6	4/5:9	Control module, cruise control	BN-W	43/364	Junction point, Melco 2	
7	4/5:12	Control module, cruise control	W	6/12:2	Vacuum pump, cruise control	BN-W
8	4/5:1	Control module, cruise control	GR-SB	6/12:1	Vacuum pump, cruise control	W
9	43/433	Junction point, LPG	GN	6/12:3	Vacuum pump, cruise control	GR-SB
	44/13:15	Connector	GR	43/346	Junction point	GR
				43/386	Junction point, LPG	GN
10	15/7:E9	Distribution rail	BL	4/28:11	ABS control module	BL
11	44/13:15	Connector, LHD	R-SB	43/348	Junction point, LHD	R-SB
12	44/13:14	Connector	P	43/343	Junction point	P
13	16/1_A:1	Radio	R	11A/10	Fuses in the engine compartment	R
14	4/39_A:3	Control module for locks and alarm, VGLA	Y-SB	3/50:1	Hood alarm contact, Alarm	Y-SB
15	43/404	Junction point, Alarm	BL-R	8/35:3	Alarm siren	BL-R
16	43/402	Junction point, Alarm	R-W	8/35:5	Alarm siren	R-W
17	44/13:13	Connector	BL-SB	43/337	Junction point	BL-SB
18	44/18:3	Connector	BL	2/31:5	Fuel pump relay, Melco 2, LPG	BL
				11A/17	Fuses in the engine compartment	
19	4/39_B:14	Control module for locks and alarm, VGLA	W-SB	8/35:2	Alarm siren	W-SB
20	4/18:6	Control module, electronic immobilizer	Y-R	43/365	Junction point	Y-R
21	17/1:1	Data link connector	R-W	43/622	Junction point, Auto	R-W
22	44/13:20	Connector	Y	11A/27:2	Fuses in the engine compartment, Accessories, rear	Y

Connectors

44/6 - 44/7

44/6 3-pin

No.	Passenger compartment harness			Engine compartment harness		
1	2/18:3	Relay, power windows	BL-Y	11A/12	Fuses in the engine compartment	BL-Y
2	43/414	Junction point	W	11A/14	Fuses in the engine compartment	W
3	2/7:5	Starter motor relay	Y-SB	44/21:4 44/36:1	Connector, Melco 2 Connector	Y-SB

44/7 13-pin

No.	Passenger compartment harness			Engine compartment harness		
1	-		-	-		-
2	44/18:7	Connector	BL-GR	4/28:3	ABS control module	BL-GR
3	44/18:8	Connector	BL-GN	4/28:1	ABS control module	BL-GN
4	-		-	-		-
5	-		-	-		-
6	-		-	-		-
7	44/41:1	Connector	R	11A/20	Fuses in the engine compartment, Amplifier	R
8	-		-	-		-
9	-		-	-		-
10	-		-	-		-
11	44/18:5	Connector	GR-R	4/28:9	ABS control module	GR-R
12	44/18:6	Connector	GR	4/28:8	ABS control module	GR
13	5/1_B:16	Driver information module	BL-R	4/28:26 43/345	ABS control module Junction point, DSA	BL-R

44/8 14-pin

No.	Passenger compartment harness			Dashboard harness		
1	43/411	Junction point	BL-R	5/1_A:18	Driver information module	BL-R
2	-		-	-		-
3	43/408 43/406	Junction point, LHD Junction point, RHD	BN	16/4:1 16/5:1	Speaker, dashboard, driver's side, LHD Speaker, dashboard, passenger side, RHD	BN
4	43/409 43/407	Junction point, LHD Junction point, RHD	W	16/4:2 16/5:2	Speaker, dashboard, driver's side, LHD Speaker, dashboard, passenger side, RHD	W
5	43/406 43/408	Junction point, LHD Junction point, RHD	GN-Y	16/5:1 16/4:1	Speaker, dashboard, passenger side, LHD Speaker, dashboard, driver's side, RHD	GN-Y
6	43/407 43/409	Junction point, LHD Junction point, RHD	GR	16/5:2 16/4:2	Speaker, dashboard, passenger side, LHD Speaker, dashboard, driver's side, RHD	GR
7	3/12:5	Switch, rear window washer/wiper	R	4/38 P:3	Central Electronic Module CEM	R
8	-		-	-		-
9	-		-	-		-
10	-		-	-		-
11	4/39_B:4	Control module for locks and alarm, VGLA	BL-W	10/80:2	Alarm indication, solar sensor/electronic immobilizer	BL-W
12	-		-	-		-
13	4/9_2:7	Climate Control Module (CCM)	VO	10/80:5	Alarm indication, solar sensor/electronic immobilizer	VO
14	4/9_2:8	Climate Control Module (CCM)	BL-SB	10/80:1	Alarm indication, solar sensor/electronic immobilizer	BL-SB

Connectors

44/9

44/9 26-pin

No.	Passenger compartment harness			Driver's door harness		
1	43/419	Junction point	BL	3/33_1:8	Control module, power windows/door mirrors, driver's door	BL
2	11/2_J:18	Fuse box in passenger compartment	R-SB	9/7:4	Heated door mirror, driver's door	R-SB
3	15/4:C5	Distribution rail	GR-W	6/28:2 6/36:1	Central locking, driver's door Central locking with deadlock, driver's door	GR-W
4	43/422	Junction point, RHD	GN-R	6/49:8	Retractable driver's door mirror	GN-R
5	4/39_A:16	Control module for locks and alarm, VGLA	BN-GR	3/54:1	Switch, driver's door lock	BN-GR
6	4/39_A:18	Control module for locks and alarm, VGLA	Y-GR	3/54:3	Switch, driver's door lock	Y-GR
7	31/2	Ground connection	SB	3/24_1:7 3/33_1:7	Switch, central locking, driver's door Control module, power windows/door mirrors, driver's door	SB
8	-		-	-		-
9	44/10:9	Connector	BL-Y	3/33_1:3	Control module, power windows/door mirrors, driver's door	BL-Y
10	44/10:10	Connector	GN	3/33_1:4	Control module, power windows/door mirrors, driver's door	GN
11	44/10:11	Connector	Y-R	3/33_2:3	Control module, power windows/door mirrors, driver's door	Y-R
12	44/10:12	Connector	VO	3/33_2:4	Control module, power windows/door mirrors, driver's door	VO
13	44/10:13	Connector	P	3/33_2:2	Control module, power windows/door mirrors, driver's door	P
14	43/409 44/15:17	Junction point Connector	W	16/2:2	Speaker, driver's door	W
15	43/408 44/15:18	Junction point Connector	BN	16/2:1	Speaker, driver's door	BN
16	15/2:B6 43/430	Distribution rail Junction point, USA	GN-GR	6/28:1 6/36:2	Central locking, driver's door Central locking with deadlock, driver's door	GN-GR
17	43/420	Junction point	Y	6/36:3	Central locking with deadlock, driver's door	Y
18	4/39_A:4	Control module for locks and alarm, VGLA	GR	3/24_1:10 3/33_1:10	Switch, central locking, driver's door Control module, power windows/door mirrors, driver's door	GR
19	4/39_A:6	Control module for locks and alarm, VGLA	GN-Y	3/24_1:9 3/33_1:9	Switch, central locking, driver's door Control module, power windows/door mirrors, driver's door	GN-Y
20	43/424	Junction point, RHD	BL-SB	6/49:7	Retractable driver's door mirror	BL-SB
21	44/11:2 44/12:2	Connector, LHD Connector, RHD	GR-R	3/33_1:11	Control module, power windows/door mirrors, driver's door	GR-R
22	44/11:6 44/12:6	Connector, LHD Connector, RHD	Y-W	3/33_1:12	Control module, power windows/door mirrors, driver's door	Y-W
23	43/429	Junction point	GN-OR	3/33_1:14	Control module, power windows/door mirrors, driver's door	GN-OR
24	44/11:2 44/12:2	Connector, RHD Connector, LHD	R	3/33_1:15	Control module, power windows/door mirrors, driver's door	R
25	44/11:6 44/12:6	Connector, RHD Connector, LHD	BN-W	3/33_1:16	Control module, power windows/door mirrors, driver's door	BN-W
26	-		-	-		-

44/10 20-pin

No.	Passenger compartment harness		Passenger door harness			
1	-		-			-
2	11/2_J:16	Fuse box in passenger compartment	R-W	9/8:4	Heated door mirror, passenger door	R-W
3	15/4:C6	Distribution rail	GR-W	6/29:2 6/37:1	Central locking, passenger door Central locking with deadlock, passenger door	GR-W
4	43/422	Junction point	GN-R	6/50:8	Retractable passenger door mirror	GN-R
5	-		-			-
6	-		-			-
7	43/419	Junction point	BL	3/34:5	Switch unit, passenger door power window	BL
8	15/8:F4	Distribution rail	SB	43/500	Junction point	SB
9	44/9:9	Connector	BL-Y	3/34:7	Switch unit, passenger door power window	BL-Y
10	44/9:10	Connector	GN	3/34:6	Switch unit, passenger door power window	GN
11	44/9:11	Connector	Y-R	6/22:2	Power door mirror, passenger side	Y-R
12	44/9:12	Connector	VO	6/22:3	Power door mirror, passenger side	VO
13	44/9:13	Connector	P	6/22:1	Power door mirror, passenger side	P
14	43/407 44/15:19	Junction point Connector	GR	16/3:2	Speaker, passenger door	GR
15	43/406 44/15:20	Junction point Connector	GN-Y	16/3:1	Speaker, passenger door	GN-Y
16	15/2:B5	Distribution rail	GR-GN	6/29:1 6/37:2	Central locking, passenger door Central locking with deadlock, passenger door	GN-GR
17	43/420	Junction point	Y	6/37:3	Central locking with deadlock, passenger door	Y
18	4/39_A:20	Control module for locks and alarm, VGLA	BL-P	3/37:4	Switch, central locking, passenger door	BL-P
19	4/39_A:5	Control module for locks and alarm, VGLA	GR-SB	3/37:2	Switch, central locking, passenger door	GR-SB
20	43/424	Junction point, RHD	BL-SB	6/50:7	Retractable passenger door mirror	BL-SB

Connectors

44/11 - 44/12

44/11 10-pin

No.	Passenger compartment harness			Harness, driver's side rear door		
1	15/2:B3	Distribution rail	GN-GR	6/30:1	Central locking, rear driver's side door	GN-GR
				6/38:2	Central locking with deadlock, driver's side, rear	
2	44/9:24	Connector, RHD	R	3/35:3	Switch unit, power window, RL door	GR-R
	44/9:21	Connector, LHD	GR-R			
3	15/4:C3	Distribution rail	GR-W	6/30:2	Central locking, rear driver's side door	GR-W
				6/38:1	Central locking with deadlock, driver's side, rear	
4	43/420	Junction point	Y	6/38:3	Central locking with deadlock, driver's side, rear	Y
5	43/429	Junction point	GN-OR	3/35:1	Switch unit, power window, RL door	GN-OR
6	44/9:22	Connector, LHD	Y-W	3/35:5	Switch unit, power window, RL door	Y-W
	44/9:25	Connector, RHD	BN-W			
7	43/425	Junction point	BN-SB	6/34:1	RL child safety lock	BN-SB
8	43/426	Junction point	BN-P	6/34:2	RL child safety lock	BN-P
9	4/39_B:9	Control module for locks and alarm, VGLA	BN	6/34:3	RL child safety lock	BN
10	44/12:9	Connector	Y-BN	6/34:4	RL child safety lock	Y-BN

44/12 10-pin

No.	Passenger compartment harness			Harness, passenger side rear door		
1	15/2:B4	Distribution rail	GN-GR	6/31:1	Central locking, rear passenger side	GN-GR
				6/39:2	Central locking with deadlock, passenger side, rear	
2	44/9:24	Connector, LHD	R	3/36:3	Switch unit, power window, RR door	GR-R
	44/9:21	Connector, RHD	GR-R			
3	15/4:C4	Distribution rail	GR-W	6/31:2	Central locking, rear passenger side	GR-W
				6/39:1	Central locking with deadlock, passenger side, rear	
4	43/420	Junction point	Y	6/39:3	Central locking with deadlock, passenger side, rear	Y
5	43/429	Junction point	GN-OR	3/36:1	Switch unit, power window, RR door	GN-OR
6	44/9:25	Connector, LHD	BN-W	3/36:5	Switch unit, power window, RR door	Y-W
	44/9:22	Connector, RHD	Y-W			
7	43/425	Junction point	BN-SB	6/35:1	RR child safety lock	BN-SB
8	43/426	Junction point	BN-P	6/35:2	RR child safety lock	BN-P
9	44/11:10	Connector	Y-BN	6/35:3	RR child safety lock	BN
10	43/426	Junction point	BN-P	6/35:4	RR child safety lock	Y-BN

44/13 22-pin S40

No.	Passenger compartment harness			Rear harness S40		
1	11/2_J:15	Fuse box in passenger compartment	GR-R	9/2	Heated rear window	GR-R
2	4/39_B:6	Control module for locks and alarm, VGLA	GN-R	3/29:1	Contact, RL door	GN-R
3	16/1_A:9	Radio	R	6/14:4	Power antenna	R
4	11/2_G:18	Fuse box in passenger compartment	BL-Y	10/64:1.8	RL lamp housing	BL-Y
5	11/2_G:10	Fuse box in passenger compartment	GR-SB	10/64:1.2	RL lamp housing	GR-SB
6	16/1_B:7	Radio	GN	16/6:1	RL speaker	GN
7	16/1_B:8	Radio	GN-SB	16/6:2	RL speaker	GN-SB
8	16/1_B:11	Radio	Y	16/7:1	RR speaker	Y
9	16/1_B:12	Radio	Y-SB	16/7:2	RR speaker	Y-SB
10	4/38_B2:11	Central Electronic Module CEM	BL-R	-	-	-
11	4/38_B2:26	Central Electronic Module CEM	BL-W	-	-	-
12	4/38_B1:11	Central Electronic Module CEM	BL	10/64_2:1	RL lamp housing	BL
13	44/4:1	Connector, LHD	GR-R	4/6:1	Control module, xenon lamps	BL-SR
	44/5:17	Connector	BL-SB	7/78:3	Leakage Diagnostic Pump (LDP)	GR-R
14	44/4:2	Connector, LHD	GN-W	4/6:7	Control module, xenon lamps	P
	44/5:12	Connector	P	7/78:4	Leakage Diagnostic Pump (LDP)	GN-W
15	44/5:11	Connector, LHD	R-SB	4/6:2	Control module, xenon lamps	GR
	44/5:9	Connector	GR	7/78:2	Leakage Diagnostic Pump (LDP)	R-SB
16	11/2_J:9	Fuse box in passenger compartment	Y-R	44/19:4	Accessory outlet, rear	Y-R
17	15/4_C:2	Distribution rail	GR-W	43/608 44/32:4	Junction point, EU/OS Connector	GR-W
18	4/39_B:22 15/2_B:2	Control module for locks and alarm, VGLA, LHD Distribution rail	GN-GR	43/609 44/32:3	Junction point, EU/OS Connector	GN-GR
19	4/38_B1:9	Central Electronic Module CEM	VO-W	10/64_2:8	RL lamp housing	VO-W
20	44/5:22	Connector	Y	44/19:3	Accessory outlet, rear	Y
21	16/1_A:7	Radio	BL-BN	-	-	-
22	-	-	-	-	-	-

Connectors

44/13 V40

44/13 22-pin V40

No.	Passenger compartment harness			Rear harness V40		
1	11/2_J:15	Fuse box in passenger compartment	GR-R	44/33:1	Connector	GR-R
2	4/39_B:6	Control module for locks and alarm, VGLA	GN-R	3/29:1	Contact, RL door	GN-R
3	16/1_A:9	Radio	R	16/10 43/605	Antenna amplifier Junction point	R
4	11/2_G:18	Fuse box in passenger compartment	BL-Y	10/64:1.8	RL lamp housing	BL-Y
5	11/2_G:10	Fuse box in passenger compartment	GR-SB	10/64:1.2	RL lamp housing	GR-SB
6	16/1_B:7	Radio	GN	16/6:1 43/606	RL speaker Junction point	GN
7	16/1_B:8	Radio	GN-SB	16/6:2 43/607	RL speaker Junction point	GN-SB
8	16/1_B:11	Radio	Y	16/7:1 43/602	RR speaker Junction point	Y
9	16/1_B:12	Radio	Y-SB	16/7:2 43/603	RR speaker Junction point	Y-SB
10	4/38_B2:11	Central Electronic Module CEM	BL-R	44/34:9	Connector	BL-R
11	4/38_B2:26	Central Electronic Module CEM	BL-W	44/34:10	Connector	BL-W
12	4/38_B1:11	Central Electronic Module CEM	BL	44/34:7	Connector	BL
13	44/4:1	Connector, LHD	GR-R	4/6:1	Control module, xenon lamps	BL-SR
	44/5:17	Connector	BL-SB	7/78:3	Leakage Diagnostic Pump (LDP)	GR-R
14	44/4:2	Connector, LHD	GN-W	4/6:7	Control module, xenon lamps	P
	44/5:12	Connector	P	7/78:4	Leakage Diagnostic Pump (LDP)	GN-W
15	44/5:11	Connector, LHD	R-SB	4/6:2	Control module, xenon lamps	GR
	44/5:9	Connector	GR	7/78:2	Leakage Diagnostic Pump (LDP)	R-SB
16	11/2_J:9	Fuse box in passenger compartment	Y-R	43/604 44/19:4	Junction point Accessory outlet, rear	Y-R
17	15/4_C:2	Distribution rail	GR-W	43/608 44/34:4	Junction point, EU/OS Connector	GR-W
18	4/39_B:22	Control module for locks and alarm, VGLA, LHD	GN-GR	43/609 44/34:3	Junction point, EO/OS Connector	GN-GR
	15/2_B:2	Distribution rail				
19	4/38_B1:9	Central Electronic Module CEM	VO-W	44/34:8	Connector	VO-W
20	44/5:22	Connector	Y	44/19:3	Accessory outlet, rear	Y
21	16/1_A:7	Radio	BL-BN	43/610	Connector	BL-BN
22	-		-	-		-

44/14 4-pin LH

No.	Passenger compartment harness			Rear harness		
1	4/4:45	Control module, Supplemental Restraint System (SRS)	BL	8/39:1	LH inflatable curtain	BL
2	4/4:46	Control module, Supplemental Restraint System (SRS)	BN	8/39:2	LH inflatable curtain	BN
3	-		-	-		-
4	-		-	-		-

44/15 20-pin

No.	Passenger compartment harness			Rear harness		
1	4/38_B1:2	Central Electronic Module CEM	BL-R	43/601	Junction point	BL-R
2	4/39_B:7	Control module for locks and alarm, VGLA	BL-Y	3/30:1	Contact, RR door	BL-Y
3	4/38_B1:10	Central Electronic Module CEM	BN-SB	43/611	Junction point	BN-SB
4	11/2_I:20	Fuse box in passenger compartment	Y-BN	10/65_1:8 10/65:8	RR lamp housing, S40 RL lamp housing, V40	Y-BN
5	4/38_B1:6	Central Electronic Module CEM	GN	10/65_1:6 10/65:6	RR lamp housing, S40 RL lamp housing, V40	GN
6	43/406	Junction point	GN-Y	44/15:20	Connector	GN-Y
7	43/407	Junction point	GR	44/15:19	Connector	GR
8	44/39:2	Connector, LPG	GN-R	8/43:2	Cut-off valve, tank, LPG	GN-R
9	43/408	Junction point	BN	44/15:18	Connector	BN
10	43/409	Junction point	W	44/15:17	Connector	W
11	4/39_A:19	Control module for locks and alarm, VGLA	BL-BN	43/612	Junction point	BL-BN
12	11/2_G:14		R-SB	43/600	Junction point	R-SB
13	43/412	Junction point	BL	4/6:5	Control module, xenon lamps	BL
	43/430	Junction point, USA	GN-GR	6/55:2	Lock motor, fuel filler flap	GN-GR
	43/434	Junction point, LPG	Y-SB	7/8:B	Sensor, LPG level	Y-SB
14	4/4:72	Control module, Supplementary Restraint System (SRS), ECU	R	7/76:1	Sensor, RR side airbag	R
15	4/4:66	Control module, Supplementary Restraint System (SRS), ECU	GN-BN	7/76:2	Sensor, RR side airbag	GN-BN
16	4/39_A:2	Control module for locks and alarm, VGLA	BN-P	4/6:4	Control module, xenon lamps	Y-R
	5/1_B:8	Driver information module	R	6/55:1	Lock motor, fuel filler flap	BN-P
	43/410	Junction point	Y-R	7/8:A	Sensor, LPG level	R
17	44/9:14	Connector	W	16/20:2 44/15:10	Audio amplifier Connector	W
18	44/9:15	Connector	BN	16/20:1 44/15:9	Audio amplifier Connector	BN
19	44/10:14	Connector	GR	16/20:4 44/15:7	Audio amplifier Connector	GR
20	44/10:15	Connector	GN-Y	16/20:3 44/15:6	Audio amplifier Connector	GN-Y

Connectors

44/16 - 44/18

44/16 4-pin RH

No.	Passenger compartment harness			Rear harness		
1	4/4:48	Control module, Supplemental Restraint System (SRS)	BL-R	8/40:1	RH inflatable curtain	BL-R
2	4/4:47	Control module, Supplemental Restraint System (SRS)	BL-W	8/40:2	RH inflatable curtain	BL-W
3	-		-	-		-
4	-		-	-		-

44/17 6-pin

No.	Passenger compartment harness			Roof harness		
1	11/2_G:13	Fuse box in passenger compartment	R-W	10/31:1 10/32:1 43/502	Ceiling light for HL with reading lights Ceiling light for LL Junction point	R-W
2	11/2_G:1	Fuse box in passenger compartment	R	10/31:2 10/32:2	Ceiling light for HL with reading lights Ceiling light for LL	R
3	43/416	Junction point	SB	43/503	Junction point	SB
4	-		-	-		-
5	4/4:26 4/35:5	Control module, Supplemental Restraint System (SRS) Control module, key-inserted warning/seat belt reminder	Y-VO	10/31:5 10/32:5	Ceiling light for HL with reading lights Ceiling light for LL	Y-VO
6	4/39_A:24	Control module for locks and alarm, VGLA	Y-BN	10/31:7 10/32:7	Ceiling light for HL with reading lights Ceiling light for LL	Y-BN

44/18 8-pin

No.	Passenger compartment harness			Fuel tank harness		
1	5/1_B:17 43/434	Driver information module Junction point, LPG	Y-SB	7/2:A	Fuel level sensor	Y-SB
2	5/1_B:9	Driver information module	Y	7/2:C	Fuel level sensor	Y
3	44/5:18	Connector	BL	6/13	Fuel pump, gasoline	BL
4	43/416	Junction point	SB	43/432	Junction point, Gasoline	SB
5	44/7:11	Connector	GR-R	7/19:1	Speed sensor, RL wheel, ABS	GR-R
6	44/7:12	Connector	GR	7/19:2	Speed sensor, RL wheel, ABS	GR
7	44/7:2	Connector	BL-GR	7/20:1	Speed sensor, RR wheel, ABS	BL-GR
8	44/7:3	Connector	BL-GN	7/20:2	Speed sensor, RR wheel, ABS	BL-GN

44/19 4-pin

No.	Rear harness			Accessories harness	
1	43/611	Junction point	BN-SB	-	-
2	43/615 43/610	Junction point, S40 Junction point, V40	SB	-	-
3	44/13:20	Connector	Y	-	-
4	44/13:16 43/604	Connector Junction point, V40	Y-R	-	-

44/20 6-pin

No.	Harness, EMS 2000			Engine harness		
1	43/313	Junction point	R	43/352	Junction point	R
2	4/26:32	Engine management system	GN	4/30_1:1	Ignition coils	GR
3	4/26:1	Engine management system	GN	4/30_2:1	Ignition coils	GN
4	43/316	Junction point	SB	43/353	Junction point	SB
5	4/26:62	Engine management system	BL-GR	8/32:2	CVVT valve	BL-GR
6	-		-	-		-

44/21 6-pin

No.	Engine compartment harness			Engine harness Melco 2		
1	11A/18	Fuses in the engine compartment	R-SB	43/327	Junction point	R-SB
2	43/360	Junction point	R	43/324	Junction point	R
3	2/30:5	Relay, fuel injection/ignition	VO	43/380	Junction point	VO
4	44/6:3	Connector	Y-SB	43/323	Junction point	Y-SB
5	11A/26:2	Fuses in the engine compartment	BN	44/27:5	Connector	BN
6	2/32:5	Relay, fuel throttle body	BL-Y	4/50:12	Control module, fuel throttle body	BL-Y

Connectors

44/22 - 44/23

44/22 12-pin

No.	Engine compartment harness			Engine harness EMS 2000		
1	2/10:2 43/348	Relay, AC compressor Junction point, Turbo	BL-SB R-SB	4/26:68 43/315	Engine management system Junction point, Turbo	BL-SB R-SB
2	2/14:2	Engine management system main relay	GN	4/26:10	Engine management system	GN
3	2/50:5 7/53:1	Relay, LPG Air temperature sensor	GN-R R-SB	4/26:48 43/392	Engine management system Junction point, LPG	R-SB GN-R
4	2/50:2 43/338	Relay, LPG Junction point, Turbo	GN P-SB	43/307 43/382	Junction point Junction point, LPG	P-SB GN
5	2/11:2	Relay, electric cooling fan, speed 1	BL-GR	4/26:38	Engine management system	BL-GR
6	2/28:2	Relay, electric cooling fan, speed 2	GN-GR	4/26:8	Engine management system	GN-GR
7	2/13:2	Relay, AC condenser fan	BL-OR	4/26:69	Engine management system Turbo	BL-OR
8	8/24:1	EVAP valve	Y	4/26:4	Engine management system	Y
9	4/28:25	ABS control module	GR-W	4/26:52 43/311	Engine management system Junction point	GR-W
10	2/31:2 4/28:23	Fuel pump relay, LPG ABS control module	GR Y-R	4/3:4 4/26:69	Control module, Dynamic Stability Assistance (DSA) Engine management system, Bi-fuel	Y-R GR
11	4/28:24 43/389	ABS control module Junction point, LPG	BL-Y Y-R	4/3:12 43/391	Control module, Dynamic Stability Assistance (DSA) Junction point	BL-Y Y-R
12	43/345	Junction point	BL-R	4/3:3	Control module, Dynamic Stability Assistance (DSA)	BL-R

44/23 12-pin

No.	Engine compartment harness			Engine harness Melco 2		
1	2/10:2	Relay, AC compressor	BL-SB	4/26_A:20	Engine management system	BL-SB
2	2/14:2	Engine management system main relay	P-SB	4/26_B:17	Engine management system	P-SB
3	2/32:2	Relay, fuel throttle body	BN-W	4/26_B:16	Engine management system	BN-W
4	7/65	Steering angle sensor	GN-Y	4/26_B:14	Engine management system	GN-Y
5	2/11:2	Relay, electric cooling fan, speed 1	BL-GR	4/26_A:18	Engine management system	BL-GR
6	2/30:2	Relay, fuel injection/ignition	VO	4/26_B:15	Engine management system	VO
7	2/13:2	Relay, AC condenser fan	BL-OR	4/26_A:17	Engine management system	BL-OR
8	2/31:2	Fuel pump relay	W	4/26_A:21	Engine management system	W
9	43/346	Junction point	GR	4/26_C:18	Engine management system	GR
10	7/49:1	AC pressure sensor	GN-SB	43/320	Junction point	GN-SB
11	7/49:2	AC pressure sensor	Y-GR	4/26_B:24	Engine management system	Y-GR
12	7/49:3	AC pressure sensor	GN-R	43/322	Junction point	GN-R

44/24 12-pin

No.	Engine compartment harness			Engine harness EMS 2000		
1	7/49:1	AC pressure sensor	GN-SB	43/312	Junction point	GN-SB
2	7/49:2	AC pressure sensor	Y-GR	4/26:14	Engine management system	Y-GR
3	7/49:3 43/335	AC pressure sensor Junction point, Turbo	VO-W	4/26:74 43/310	Engine management system Junction point	VO-W
4	2/10:2	Relay, AC compressor, Turbo	BL-SB	4/26:68	Engine management system, Turbo	BL-SB
	2/10:5	Relay, AC compressor, EMS 2000 & LPG	VO	8/1:1	Solenoid clutch, AC compressor	VO
5	43/360	Junction point	R	43/313	Junction point	R
6	43/365	Junction point	Y-R	4/26:30 43/314	Engine management system, Bi-fuel Junction point	Y-R
7	11A/25	Fuses in the engine compart- ment, Auto	BN-GR	4/27:1	Transmission Control Module TCM	BN-GR
8	43/348	Junction point, EMS 2000 & LPG	R-SB	8/1:1	Solenoid clutch, AC compres- sor, Turbo	VO
	2/10:5	Relay, AC compressor, Turbo	VO	43/315	Junction point, EMS 2000 & LPG	R-SB
9	7/79:3	Charge pressure sensor 2	BN	4/26:72	Engine management system, EMS, Turbo	BN
10	-		-	-		-
11	43/386 43/622	Junction point, LPG Junction point	GN R-W	4/75_J1:2 6/54:1	Control module Vacuum pump, automatic trans- mission	R-W
12	2/34:1	Relay, vacuum pump, automatic transmission	Y	7/67:2	Pressure monitor, vacuum pump, automatic transmission	Y
	43/387	Junction point, LPG	Y-R	43/383	Junction point, LPG	Y-R

44/25 4-pin

No.	Engine compartment harness			Engine harness Diesel		
1	11A/17	Fuses in the engine compartment	BL	9/10:B	Fuel preheater	BL
2	43/362	Junction point	R	43/333	Junction point	R
3	-		-	-		-
4	-		-	-		-

Connectors

44/26 - 44/28

44/26 12-pin

No.	Engine compartment harness			Engine harness Diesel		
1	2/10:2	Relay, AC compressor	BL-SB	4/26_1:F4	Engine management system	BL-SB
2	2/14:1	Engine management system main relay	GN-Y	4/26_2:D4	Engine management system	GN-Y
3	43/357	Junction point	R-SB	43/332	Junction point	R-SB
4	2/10:5	Relay, AC compressor	VO	8/1:1	Solenoid clutch, AC compressor	VO
5	2/11:2	Relay, electric cooling fan, speed 1	BL-GR	4/26_3:A2	Engine management system	BL-GR
6	2/28:2	Relay, electric cooling fan, speed 2	GN-GR	4/26_3:B4	Engine management system	GN-GR
7	-		-	-		-
8	-		-	-		-
9	-		-	-		-
10	7/49:1	AC pressure sensor	GN-SB	4/26_2:F1	Engine management system	GN-SB
11	7/49:2	AC pressure sensor	Y-GR	4/26_2:G4	Engine management system	Y-GR
12	7/49:3	AC pressure sensor	GN-R	4/26_2:A3	Engine management system	GN-R

44/27 6-pin

No.	Engine harness Melco 2			Alternator harness, starter motor and battery		
1	4/26_A:8	Engine management system	P	6/7:4	Generator	P
2	44/1:13	Connector	Y-W	7/7:1	Oil pressure sensor	Y-W
3	43/323	Junction point	Y-SB	6/6	Starter motor relay	Y-SB
4	4/26_B:12	Engine management system	BL-R	6/7:1	Generator	BL-R
5	44/21:5	Connector	BN	6/7:3	Generator	BN
6	44/1:20	Connector	W	6/7:2	Generator	W

44/28 6-pin

No.	Engine harness Melco 2			EGR harness		
1	4/26_A:32	Engine management system	GR	6/51:1	EGR stepper motor	GR
2	43/327	Junction point	R-SB	6/51:2	EGR stepper motor	R-SB
3	4/26_A:34	Engine management system	BL	6/51:3	EGR stepper motor	BL
4	4/26_A:5	Engine management system	W-SB	6/51:4	EGR stepper motor	W-SB
5	43/327	Junction point	R-SB	6/51:5	EGR stepper motor	R-SB
6	4/26_A:6	Engine management system	GN-W	6/51:6	EGR stepper motor	GN-W

44/31 10-pin

No.	Engine compartment harness			Dashboard harness		
1	43/346	Junction point	GR	3/19:13	Control, beam adjustment	GR
2	43/343	Junction point	P	3/19:14	Control, beam adjustment	P
3	43/337	Junction point	BL-SB	3/19:6	Control, beam adjustment	BL-SB
4	-		-	-		-
5	-		-	-		-
6	7/3:B	Sensor, outside temperature, trip computer	Y-SB	5/1:A12	Driver information module	Y-SB
7	7/3:A	Sensor, outside temperature, trip computer	P-SB	5/1:A19	Driver information module	P-SB
8	7/10:1	Washer fluid level sensor	Y-GR	5/1:A1	Driver information module	Y-GR
9	4/28:13	ABS control module	GN-Y	5/1:A2	Driver information module	GN-Y
10	-		-	-		-

44/32 6-pin

No.	Rear harness S40			Trunk lid/tailgate harness		
1	43/601	Junction point	BL-R	43/620	Junction point	BL-R
2	43/615	Junction point	SB	43/619	Junction point	SB
3	43/609 44/13:18	Junction point, EU/OS Connector	GN-GR	6/32:1	Central locking, trunk lid/tailgate	GN-GR
4	43/608 44/13:17	Junction point, EU/OS Connector	GR-W	6/32:2	Central locking, trunk lid/tailgate	GR-W
5	43/612	Junction point	BL-BN	3/22	Contact, lighting/alarm, cargo compartment	BL-BN
6	-		-	-		-

44/332-pin

No.	Rear harness V40			Trunk lid/tailgate harness		
1	44/13:1	Connector	GR-R	9/2	Heated rear window	GR-R
2	31/12	Ground connection	SB	43/618	Junction point	SB

Connectors

44/34 - 44/37

44/34 10-pin

No.	Rear harness V40			Trunk lid/tailgate harness		
1	43/611	Junction point	BN-SB	10/17:1	Auxiliary brake light	BN-SB
2	-		-	7/54:1	Glass breakage sensor	GR
3	43/609 44/13:18	Junction point, EU/OS Connector	GN-GR	6/32:1	Central locking, trunk lid/tailgate	GN-GR
4	43/608 44/13:17	Junction point, EU/OS Connector	GR-W	6/32:2	Central locking, trunk lid/tailgate	GR-W
5	43/612	Junction point	BL-BN	3/22	Contact, lighting/alarm, cargo compartment	BL-BN
6	43/601	Junction point	BL-R	10/34:3	Lamp housing, trunk lid/tailgate	P
7	44/13:12	Connector	BL	10/34:1	Lamp housing, trunk lid/tailgate	BL
8	44/13:19	Connector	VO-W	10/34:4	Lamp housing, trunk lid/tailgate	VO-W
9	44/13:10	Connector	BL-R	6/11:3	Rear window wiper motor	BL-R
10	44/13:11	Connector	BL-W	6/11:2	Rear window wiper motor	BL-W

44/36 1-pin

No.	Engine compartment harness			Battery harness		
1	44/6:3	Connector	Y-SB	6/6	Starter motor relay	Y-SB

44/37 4-pin

No.	Passenger compartment harness			Passenger airbag harness		
1	4/4:33	Control module, Supplemental Restraint System (SRS)	GN	8/4_1:1	Supplemental Restraint System (SRS), passenger unit	GN
2	4/4:34	Control module, Supplemental Restraint System (SRS)	W	8/4_1:2	Supplemental Restraint System (SRS), passenger unit	W
3	4/4:49	Control module, Supplemental Restraint System (SRS)	VO	8/4_2:1	Supplemental Restraint System (SRS), passenger unit	VO
4	4/4:50	Control module, Supplemental Restraint System (SRS)	VO-W	8/4_2:2	Supplemental Restraint System (SRS), passenger unit	VO-W

44/38 8-pin

No.	Engine harness Melco 2			Injector harness		
1	4/33:11	Control module, fuel system	BL-W	8/7:2	Injectors	BL-W
2	4/33:19	Control module, fuel system	BL-SB	8/7:1	Injectors	BL-SB
3	4/33:10	Control module, fuel system	R-W	8/6:2	Injectors	R-W
4	4/33:18	Control module, fuel system	R-SB	8/6:1	Injectors	R-SB
5	4/33:13	Control module, fuel system	GR-R	8/9:2	Injectors	GR-R
6	4/33:21	Control module, fuel system	Y-R	8/9:1	Injectors	Y-R
7	4/33:12	Control module, fuel system	BL-GR	8/8:2	Injectors	BL-GR
8	4/33:20	Control module, fuel system	BL-Y	8/8:1	Injectors	BL-Y

44/39 6-pin

No.	Passenger compartment harness			Engine harness, Bi-fuel		
1	3/63:4	Switch, gas/gasoline drive	OR	4/75_J1:6	Control module LPG	OR
2	44/15:8	Connector	GN-R	43/392	Junction point	GN-R
3	15/7:E6	Distribution rail	R	4/75_J1:31	Control module LPG	R
4	5/1:B12	Driver information module	BL-W	4/75_J1:4	Control module LPG	BL-W
5	5/1:B22	Driver information module	GR	4/75_J1:29	Control module LPG	GR
6	-	-	-	-	-	-

44/40 2-pin

No.	Passenger compartment harness			Cruise control harness		
1	43/411	Junction point	BL-R	3/14:1	Brake pedal contact, cruise control	BL-R
2	4/5:3	Control module, cruise control	BL-Y	3/14:2	Brake pedal contact, cruise control, Auto	BL-Y
				3/15:2	Clutch pedal contact, cruise control	

44/41 3-pin

No.	Passenger compartment harness			Rear harness		
1	44/7:7	Connector	R	16/20:11	Audio amplifier	R
2	43/623	Junction point	BN-W	16/20:12	Audio amplifier	BN-W
3	31/2:2	Ground connection	SB	16/20:10	Audio amplifier	SB

Connectors

44/42 - 44/43

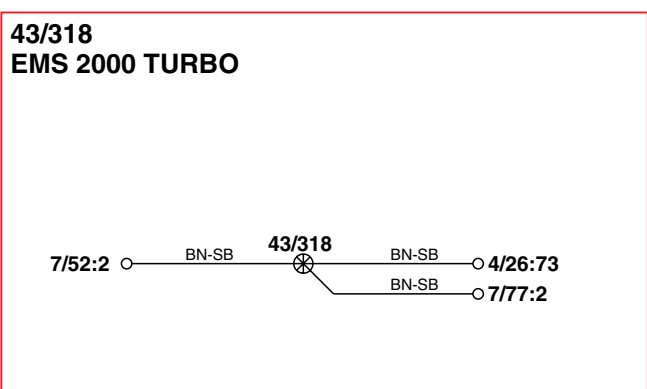
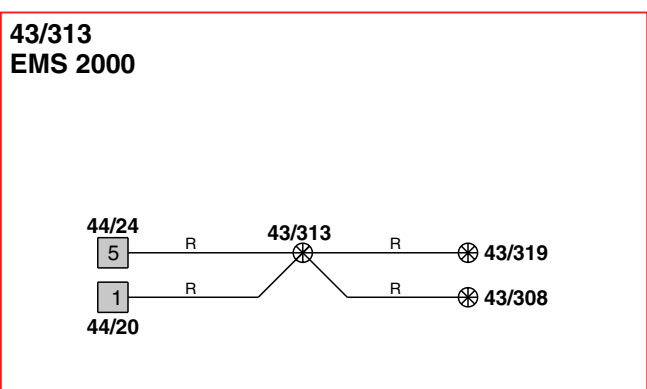
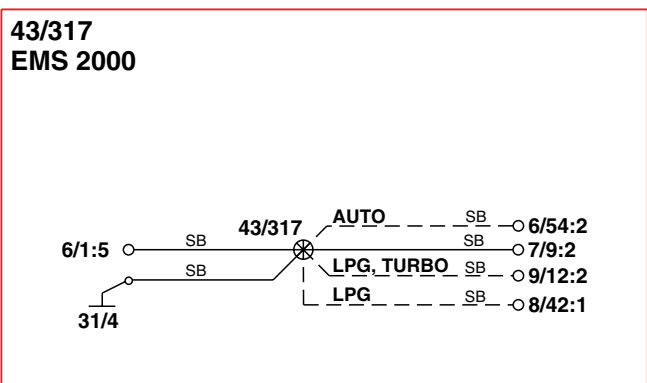
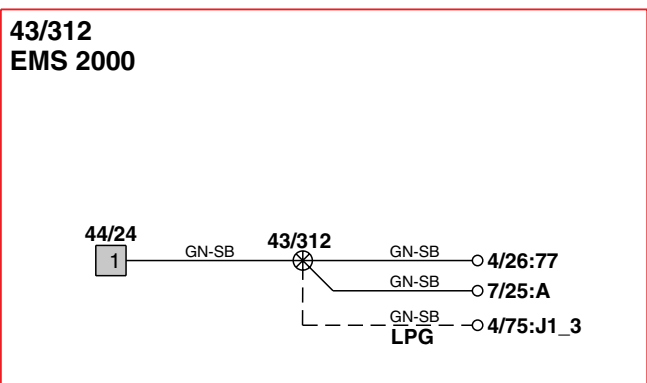
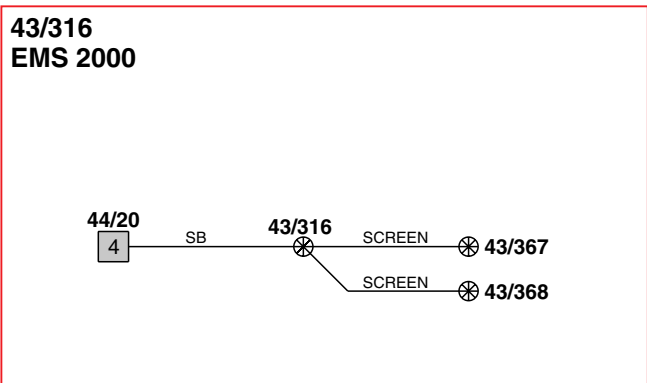
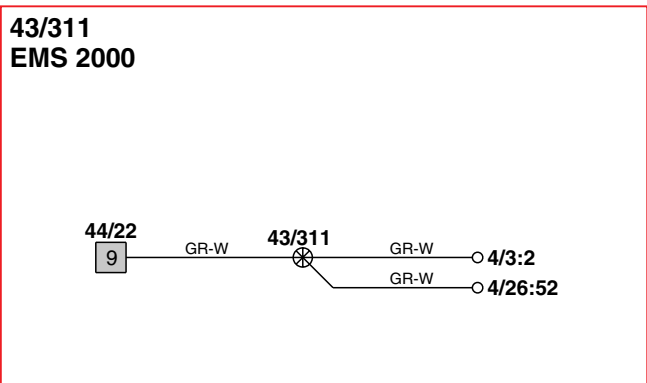
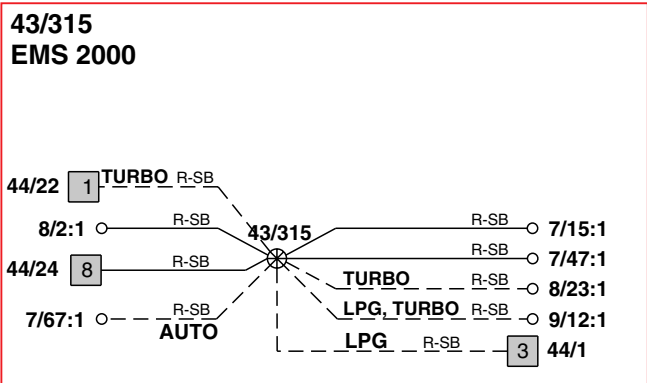
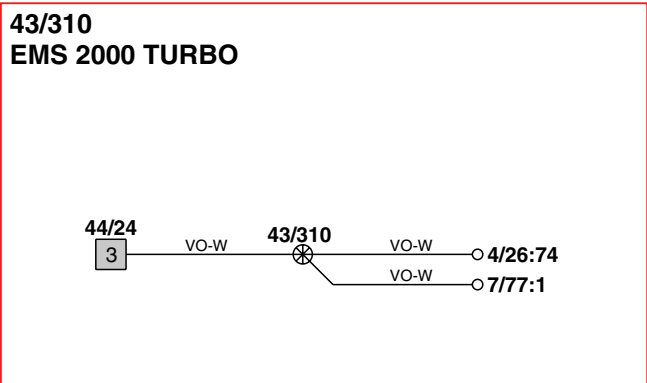
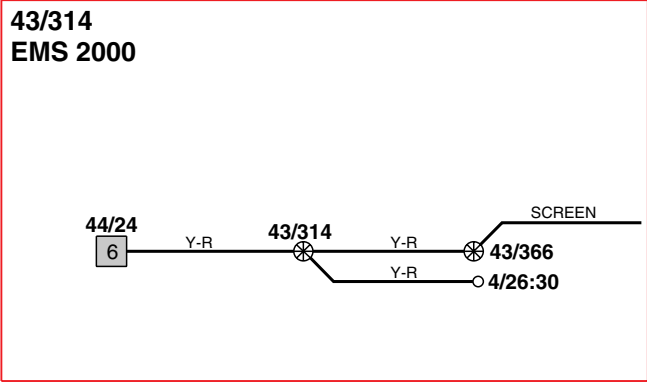
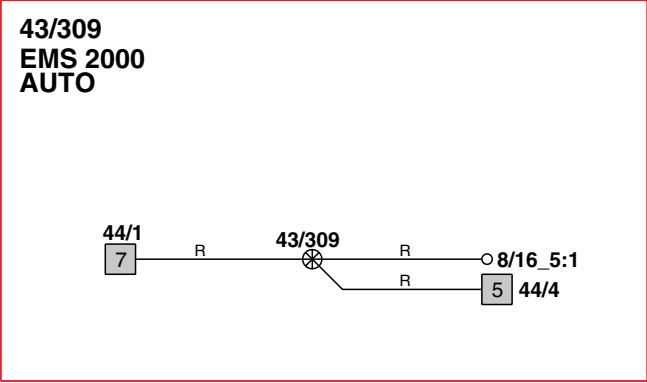
44/42 6-pin

No.	Parking heater/auxiliary heater harness			Parking heater/auxiliary heater harness		
1	4/7:9	Combustion Preheater Module CPM	R	11C/1:2	Fuses accessories	R
2	4/7:14	Combustion Preheater Module CPM	GN	4/32:2	Digital timer	GN
3	4/7:3	Combustion Preheater Module CPM	SB	31/1	Ground connection	SB
4	4/7:5	Combustion Preheater Module CPM	R-W	-		-
5	4/7:15	Combustion Preheater Module CPM	BL-Y	-		-
6	4/7:6	Combustion Preheater Module CPM	W	-		-

44/43 3-pin

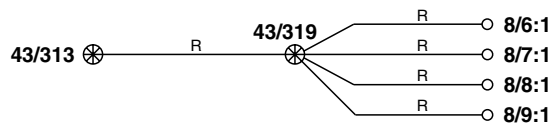
No.	Parking heater/auxiliary heater harness			-		
1	11C/1:2	Fuses accessories	R	-		-
2	31/1	Ground connection	SB	-		-
3	44/42:2	Connector	GN	-		-

Junction points
43/309 - 43/318

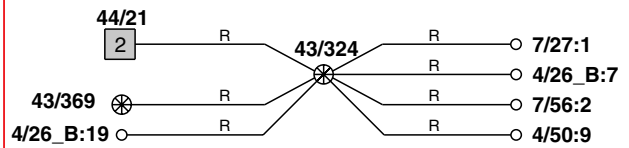


Junction points 43/319 - 43/328

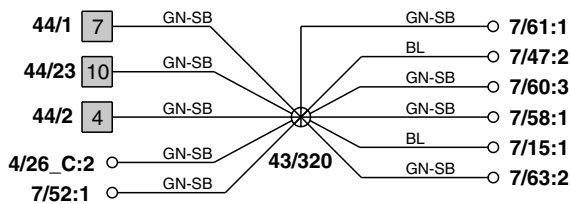
43/319
EMS 2000



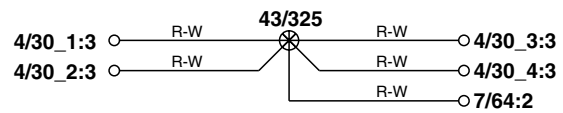
43/324
MELCO 2



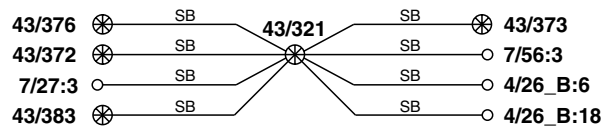
43/320
MELCO 2



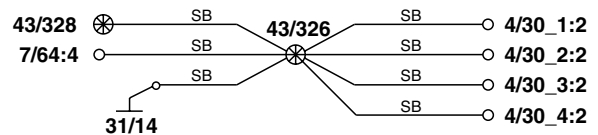
43/325
MELCO 2



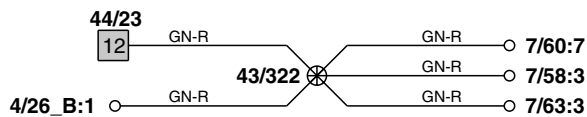
43/321
MELCO 2



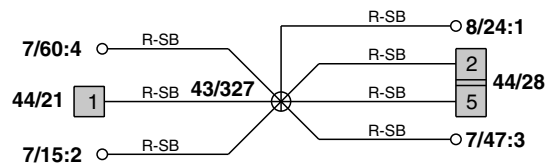
43/326
MELCO 2



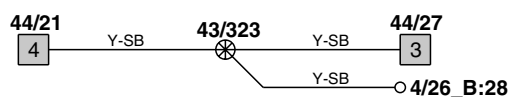
43/322
MELCO 2



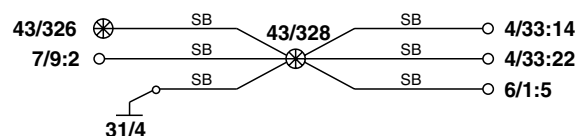
43/327
MELCO 2



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MELCO 2

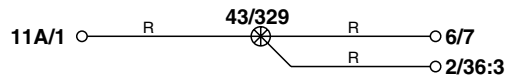


43/328
MELCO 2

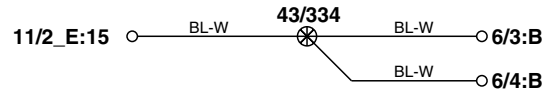


Junction points 43/329 - 43/338

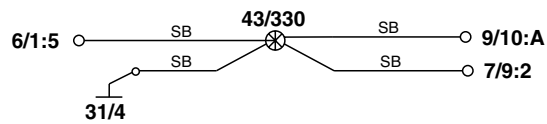
**43/329
DIESEL**



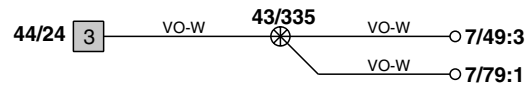
43/334



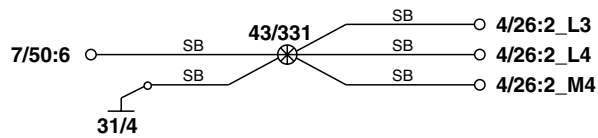
**43/330
DIESEL**



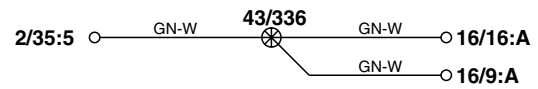
**43/335
TURBO**



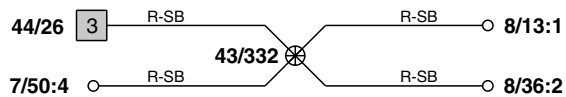
**43/331
DIESEL**



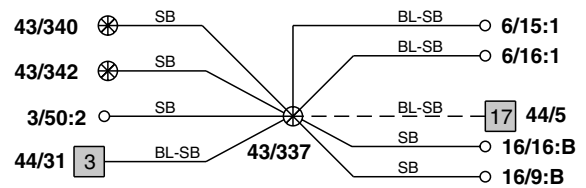
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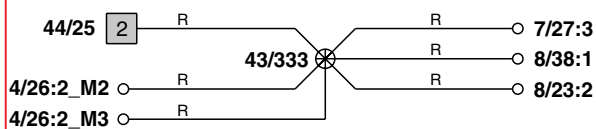
**43/332
DIESEL**



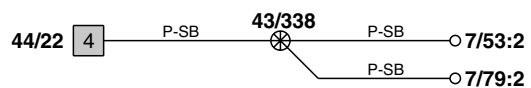
43/337



**43/333
DIESEL**

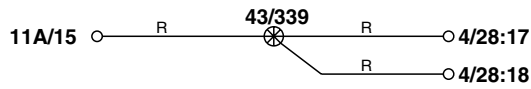


**43/338
TURBO**

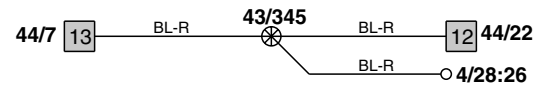


Junction points 43/339 - 43/350

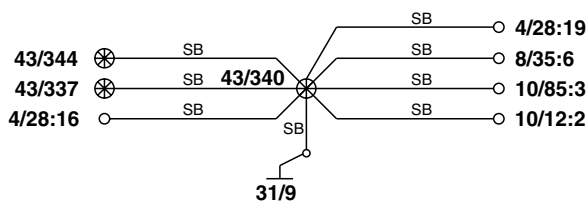
43/339



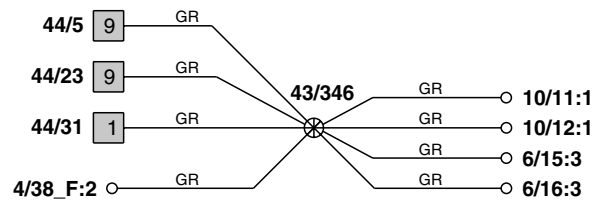
43/345



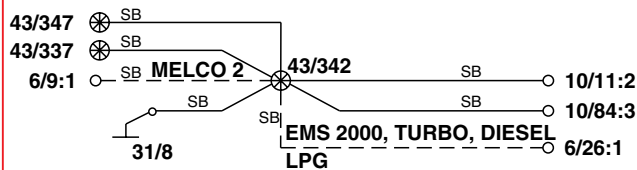
43/340



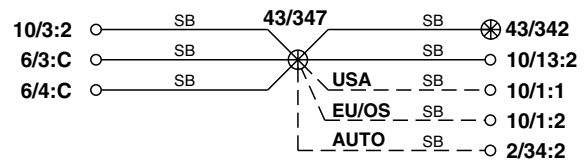
43/346



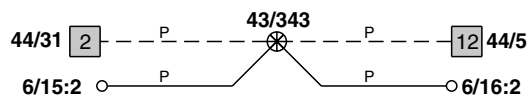
43/342



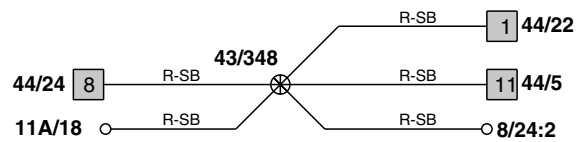
43/347



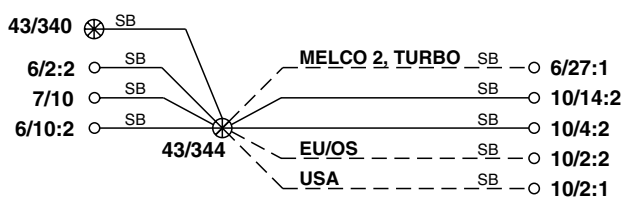
43/343



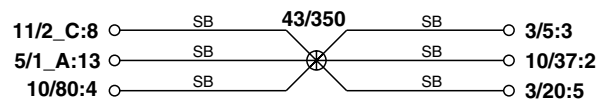
43/348
EMS 2000 TURBO
LPG



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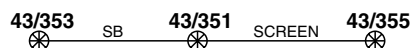


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Junction points 43/351 - 43/361

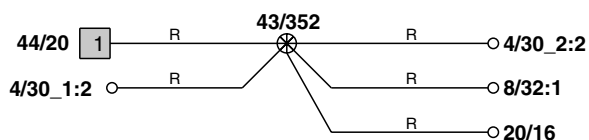
43/351



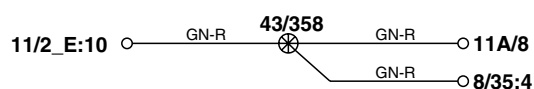
43/357
DIESEL



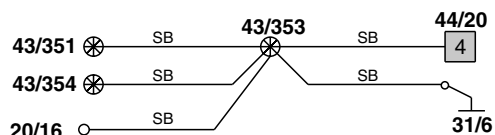
43/352



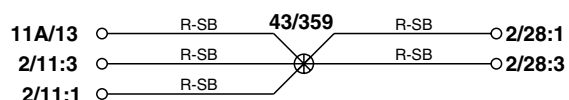
43/358



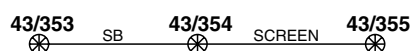
43/353



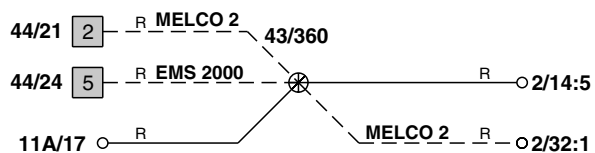
43/359



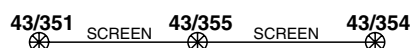
43/354



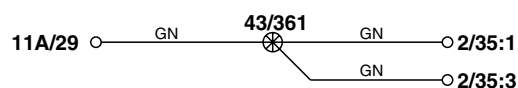
43/360
EMS 2000
MELCO 2



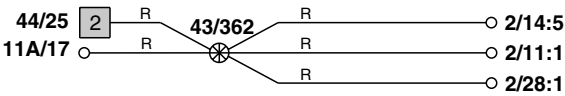
43/355



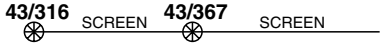
43/361



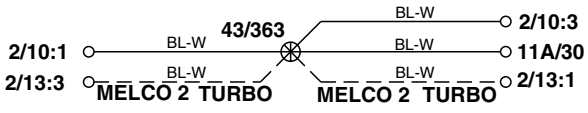
43/362
DIESEL



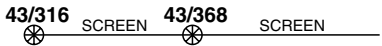
43/367
EMS 2000



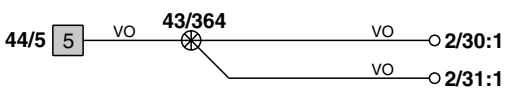
43/363
EMS 2000
TURBO
MELCO 2
LPG



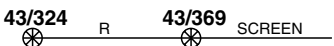
43/368
EMS 2000



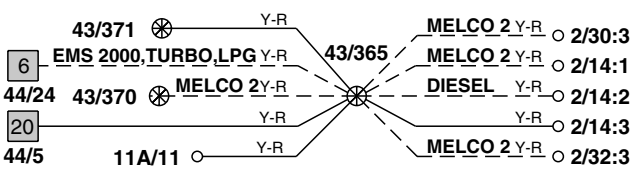
43/364
MELCO 2



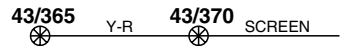
43/369
MELCO 2



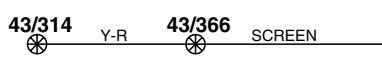
43/365



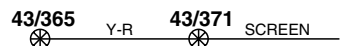
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MELCO 2



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EMS 2000

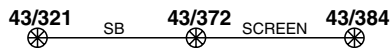


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EMS 2000
TURBO

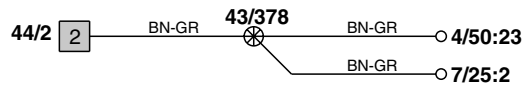


Junction points
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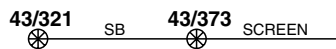
43/372
MELCO 2



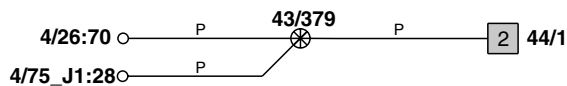
43/378
MELCO 2



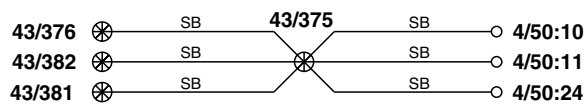
43/373
MELCO 2



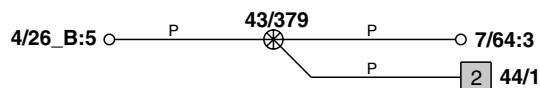
43/379
EMS 2000 LPG



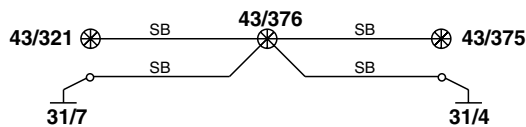
43/375
MELCO 2



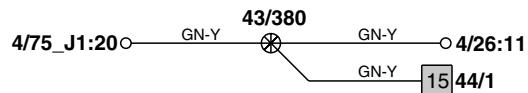
43/379
MELCO 2



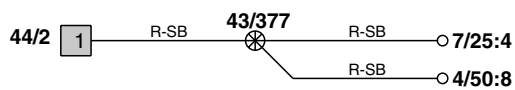
43/376
MELCO 2



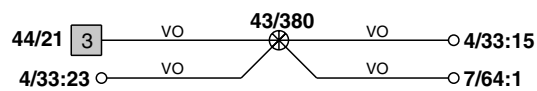
43/380
EMS 2000 LPG



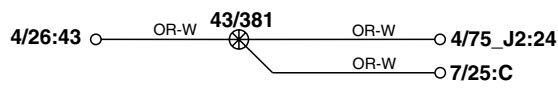
43/377
MELCO 2



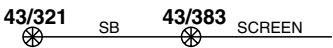
43/380
MELCO 2



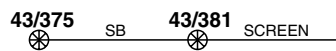
43/381
EMS 2000 LPG



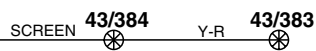
43/383
MELCO 2



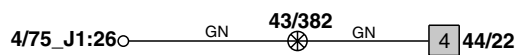
43/381
MELCO 2



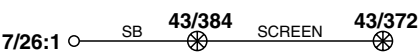
43/384
EMS 2000 LPG



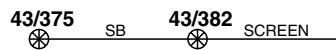
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EMS 2000 LPG



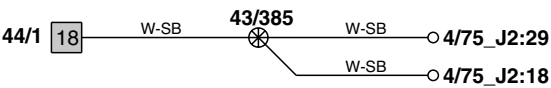
43/384
MELCO 2



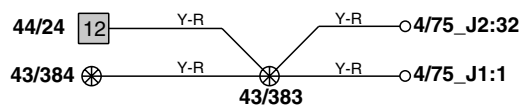
43/382
MELCO 2



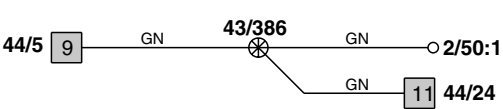
43/385
EMS 2000 LPG



43/383
EMS 2000 LPG

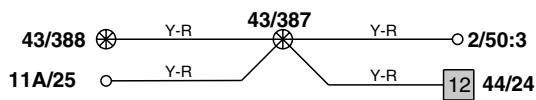


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EMS 2000 LPG

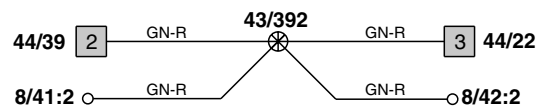


Junction points
43/387 - 43/403

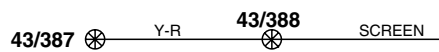
43/387
EMS 2000 LPG



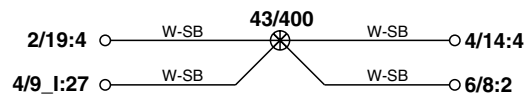
43/392
EMS 2000 LPG



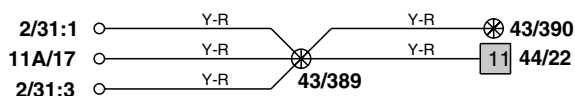
43/388
EMS 2000 LPG



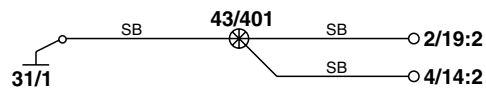
43/400



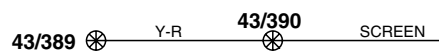
43/389
EMS 2000 LPG



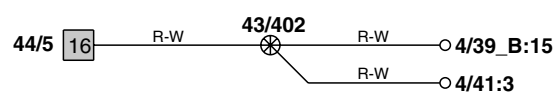
43/401



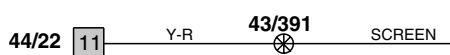
43/390
EMS 2000 LPG



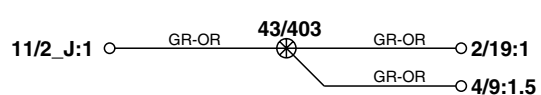
43/402



43/391
EMS 2000 LPG

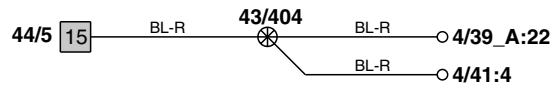


43/403

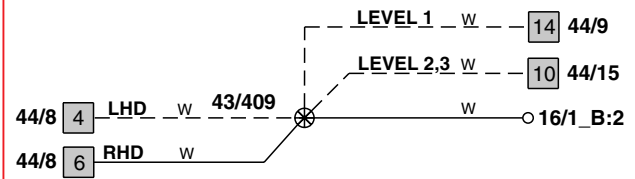


Junction points 43/404 - 43/413

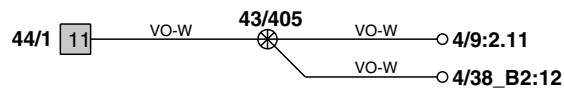
43/404



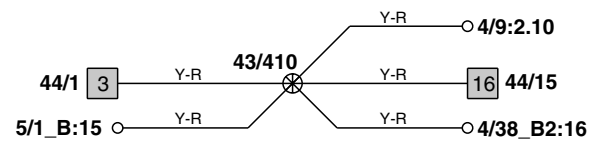
43/409



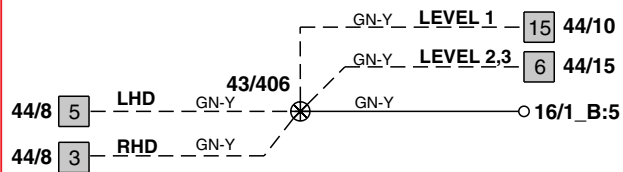
43/405



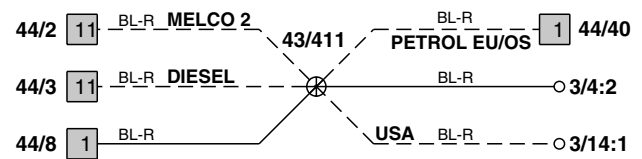
43/410



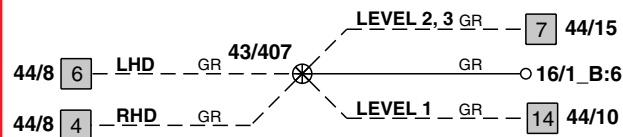
43/406



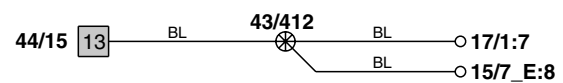
43/411



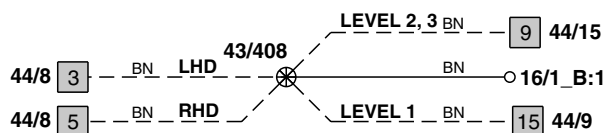
43/407



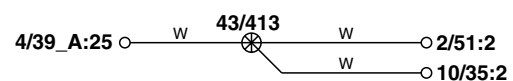
43/412 XENON



43/408

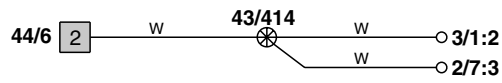


43/413

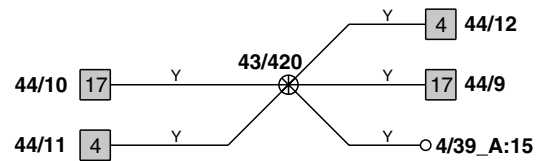


Junction points
43/414 - 43/424

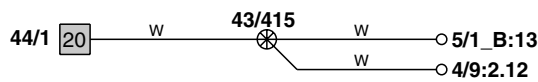
43/414



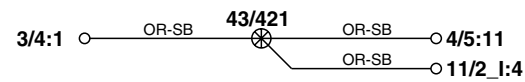
43/420
EU/OS



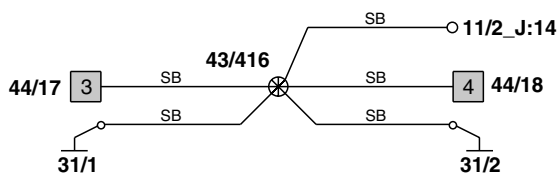
43/415



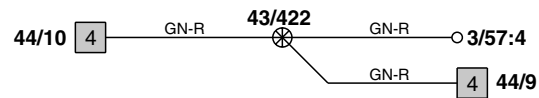
43/421



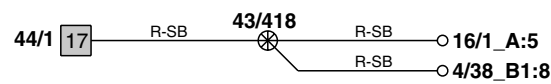
43/416



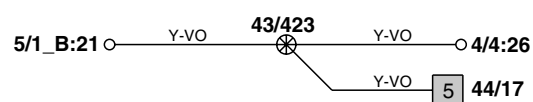
43/422
RHD



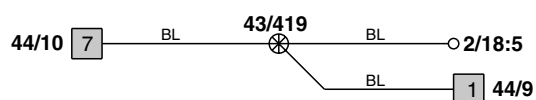
43/418



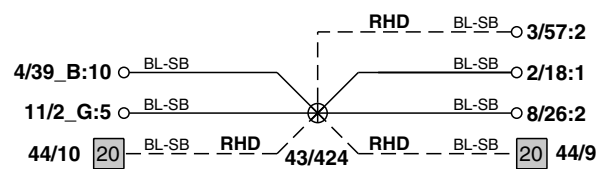
43/423
AUS



43/419

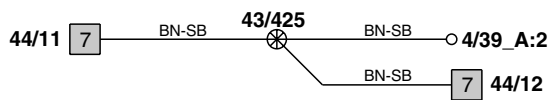


43/424
EU/OS

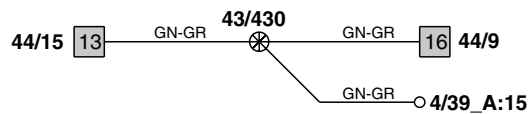


Junction points
43/425 - 43/434

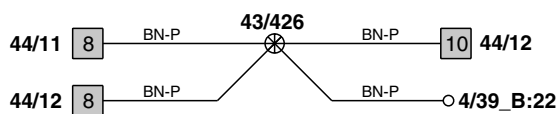
43/425
EU/OS



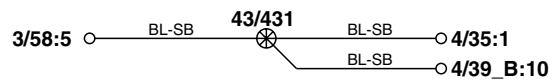
43/430
USA



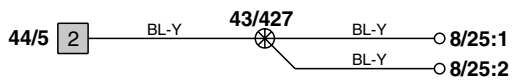
43/426
EU/OS



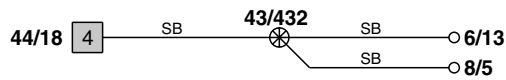
43/431
USA



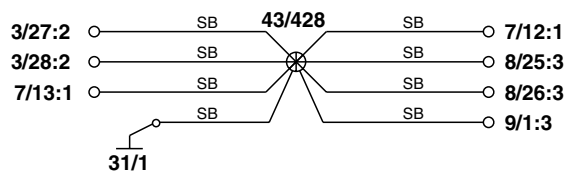
43/427



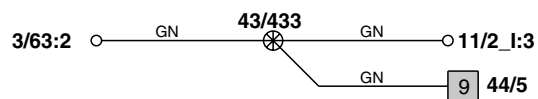
43/432



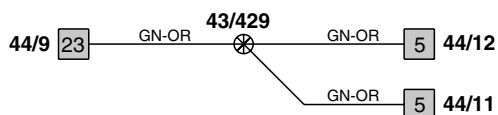
43/428



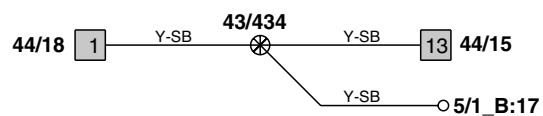
43/433
EMS 2000 LPG



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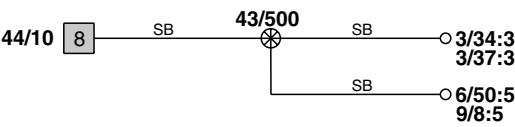


43/434
EMS 2000 LPG

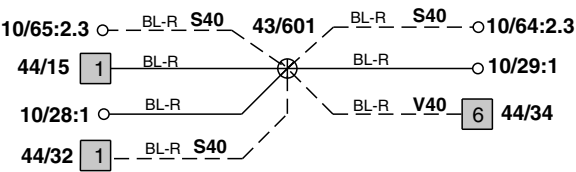


Junction points
43/500 - 43/605

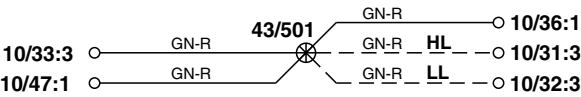
43/500



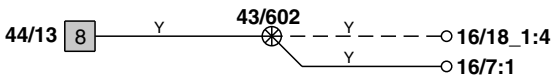
43/601



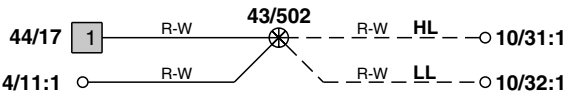
43/501



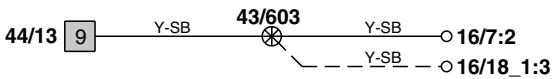
43/602
V40



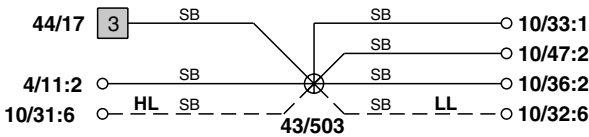
43/502



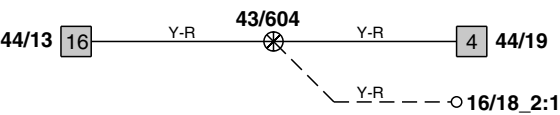
43/603
V40



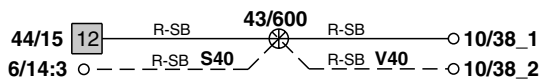
43/503



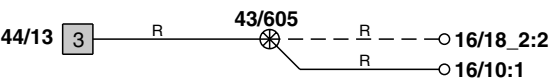
43/604
V40



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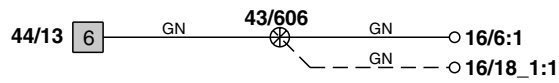


43/605
V40

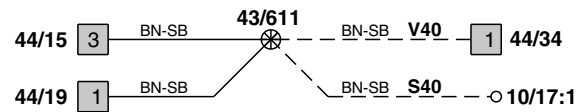


Junction points 43/606 - 43/618

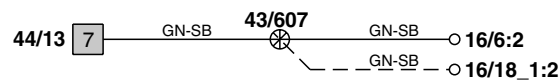
43/606 V40



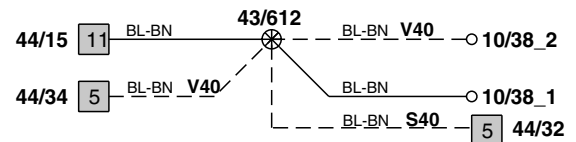
43/611



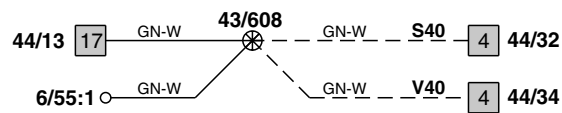
43/607 V40



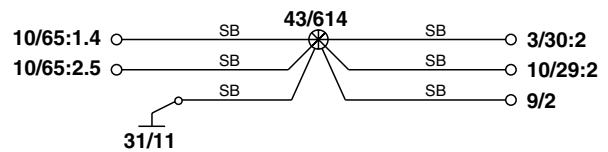
43/612



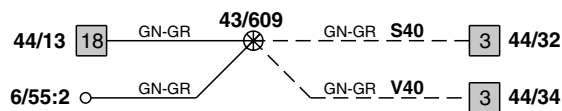
43/608 EU/OS



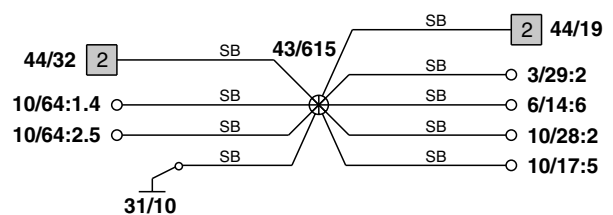
43/614 S40



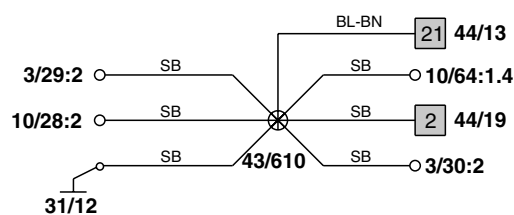
43/609



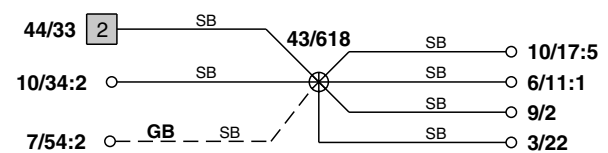
43/615 S40



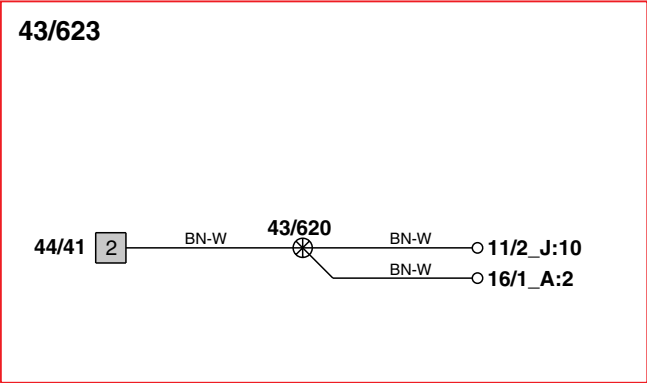
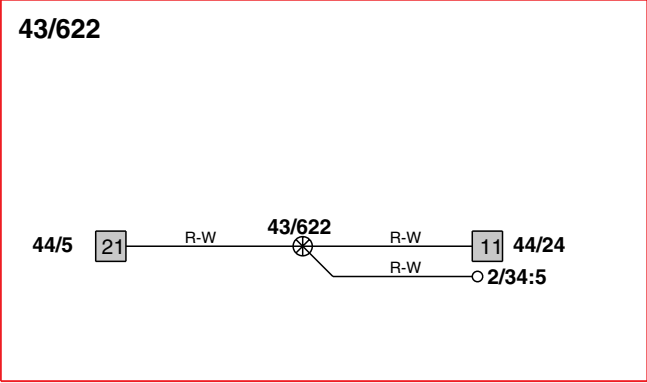
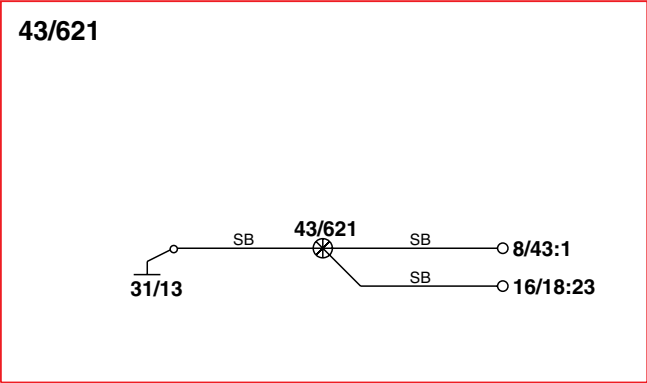
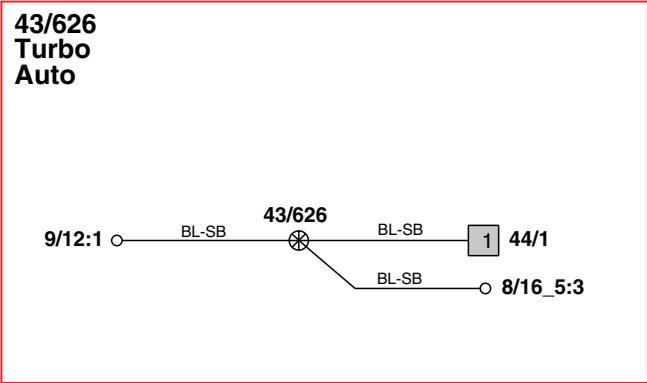
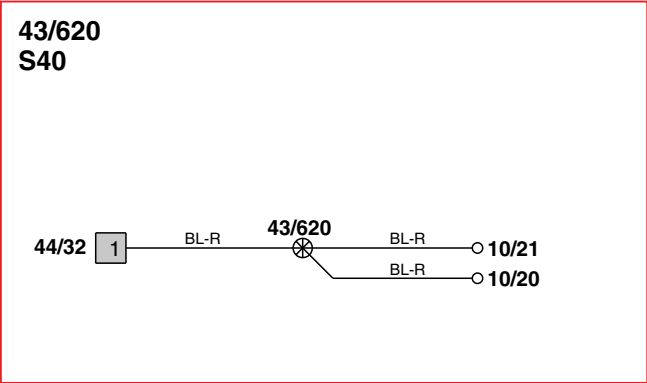
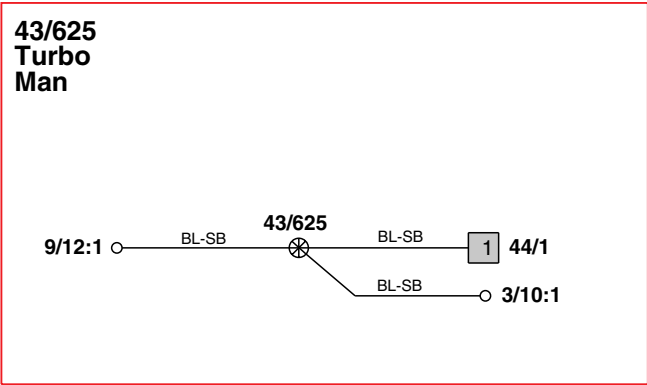
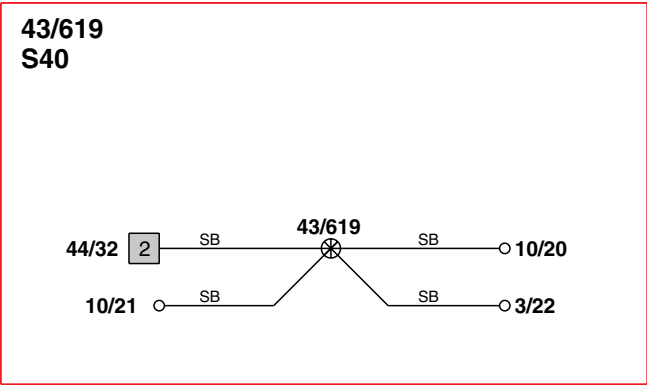
43/610 V40



43/618 V40



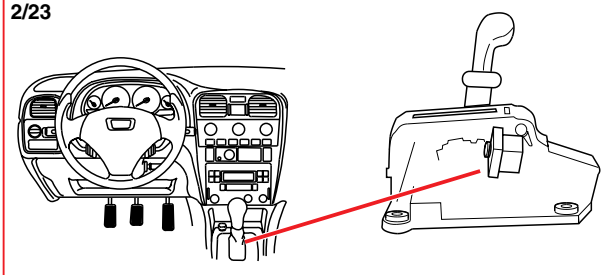
Junction points
43/619 - 43/626



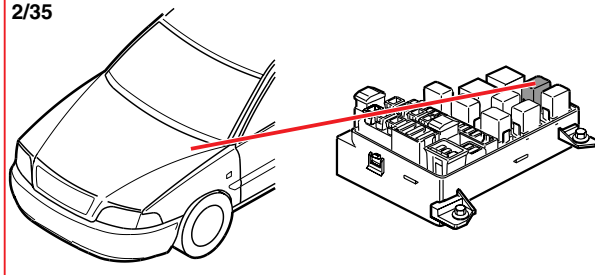
Component illustrations

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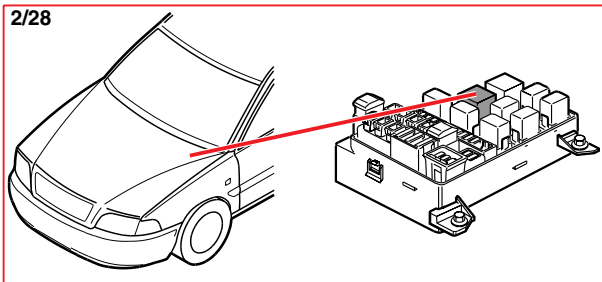
2/23



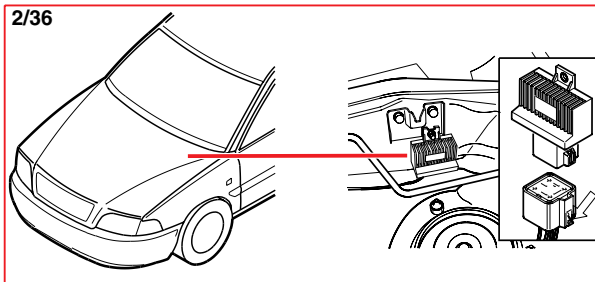
2/35



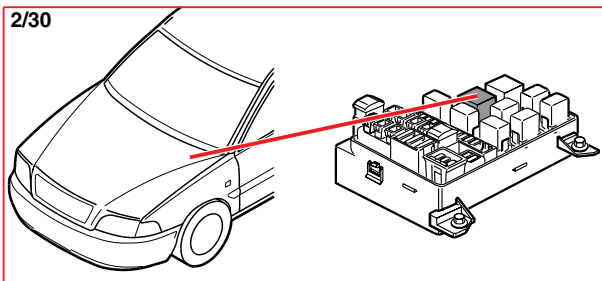
2/28



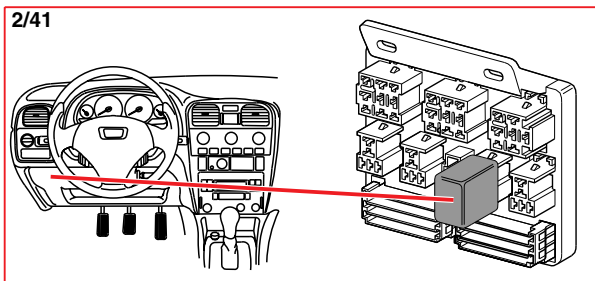
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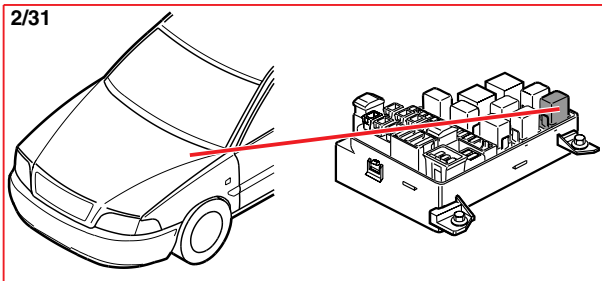
2/30



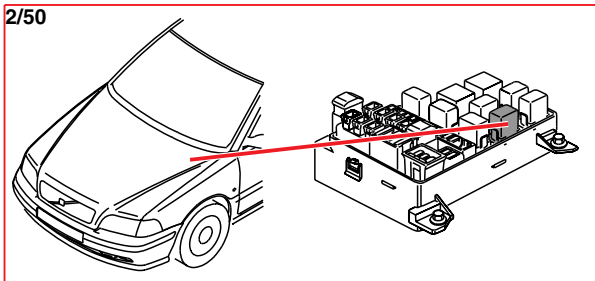
2/41



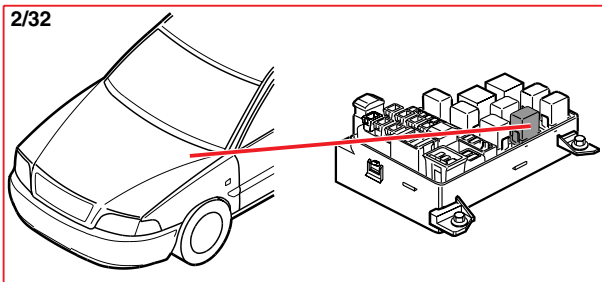
2/31



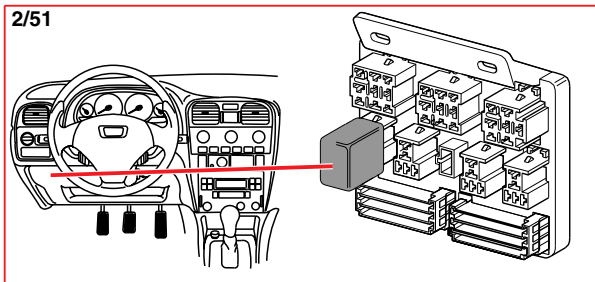
2/50



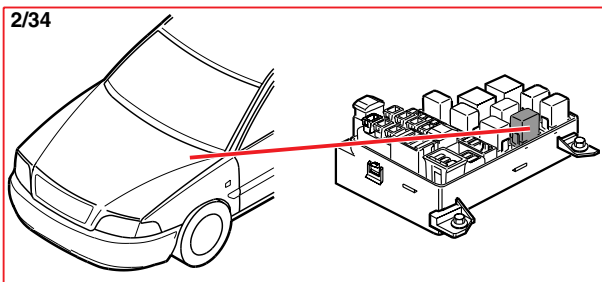
2/32



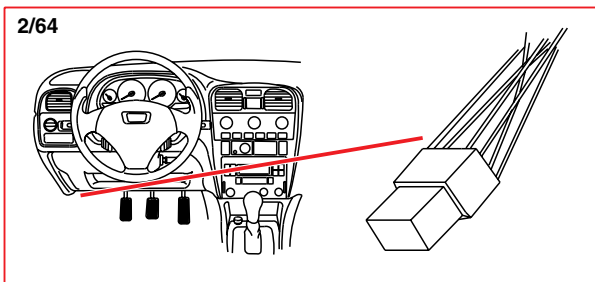
2/51

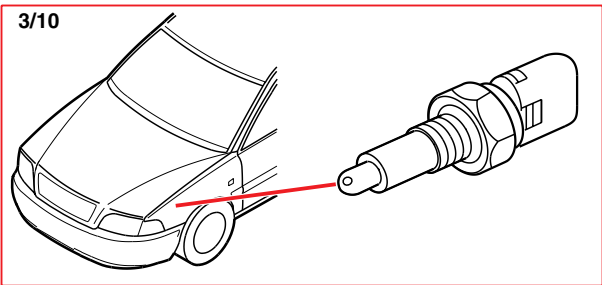
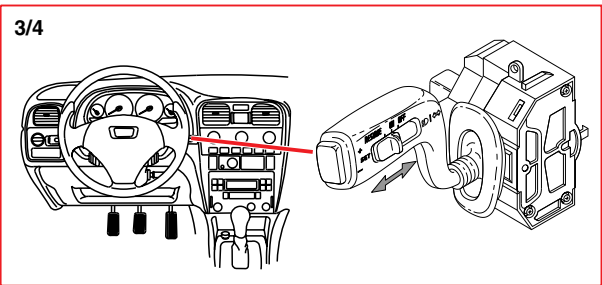
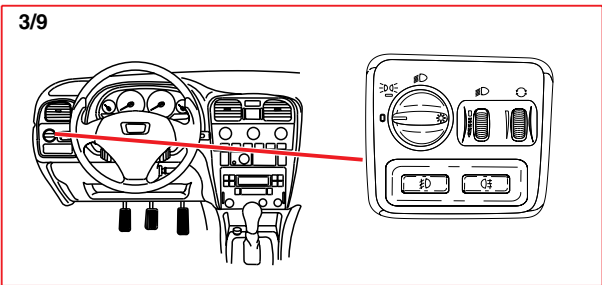
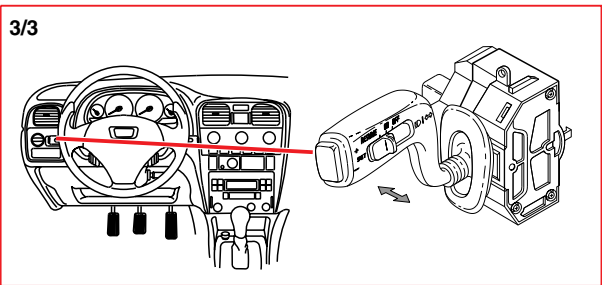
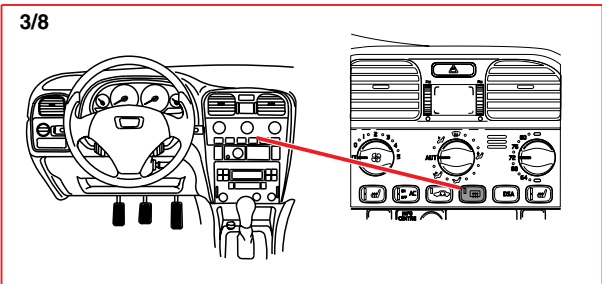
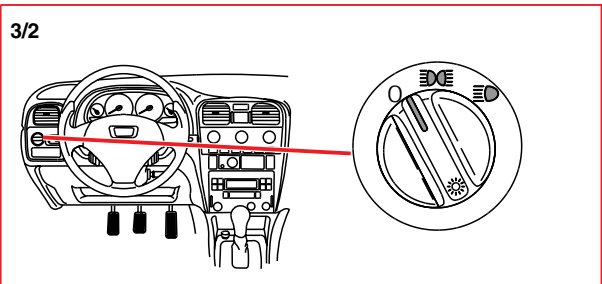
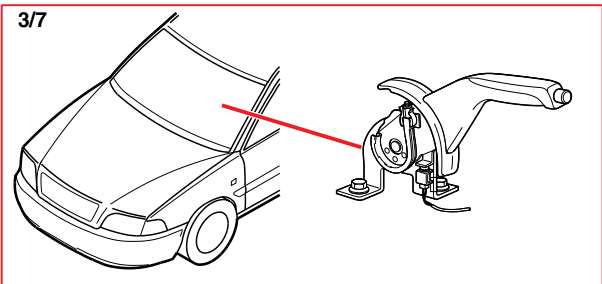
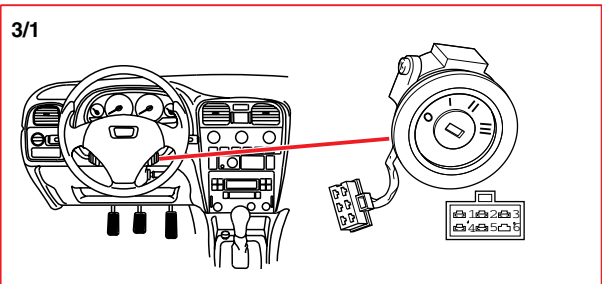
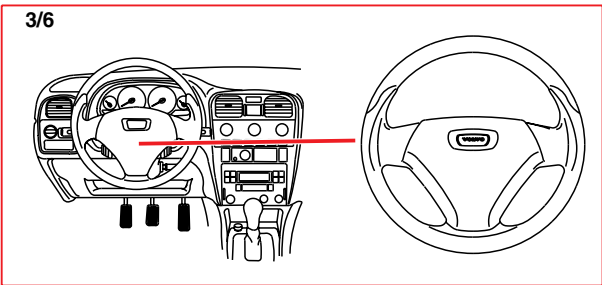
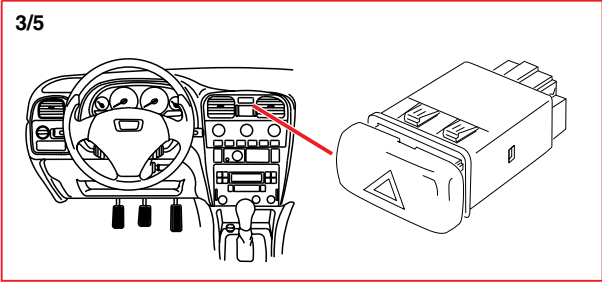
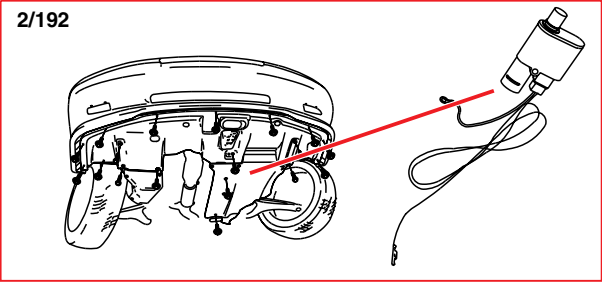


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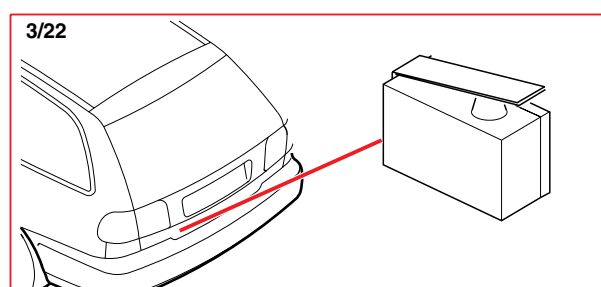
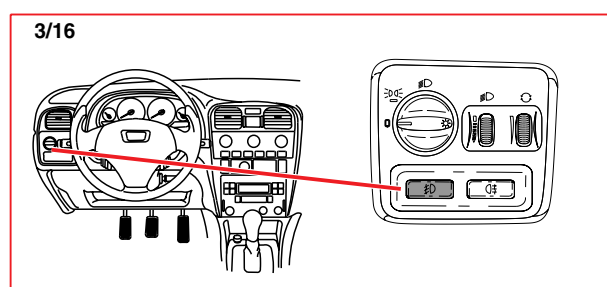
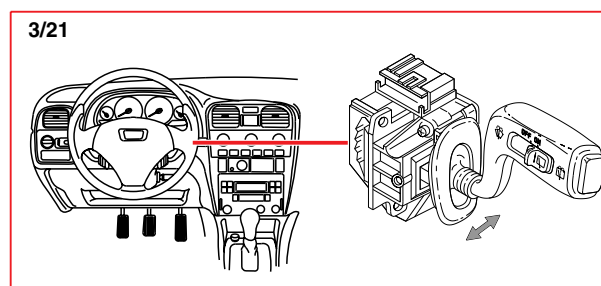
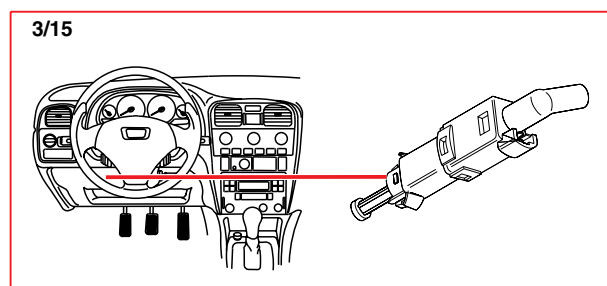
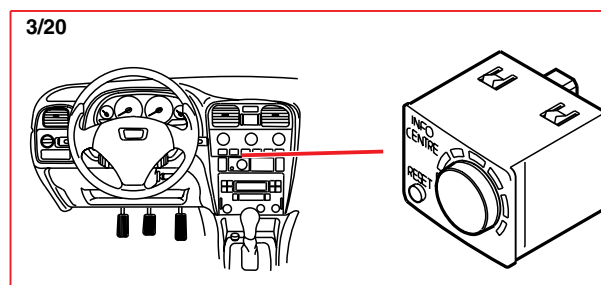
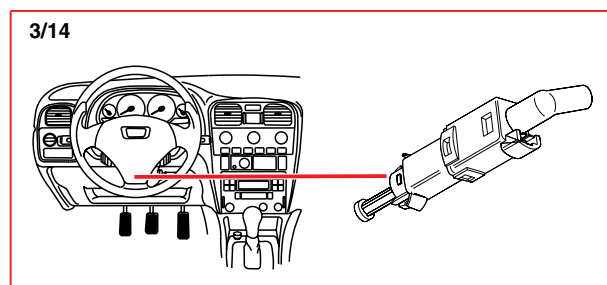
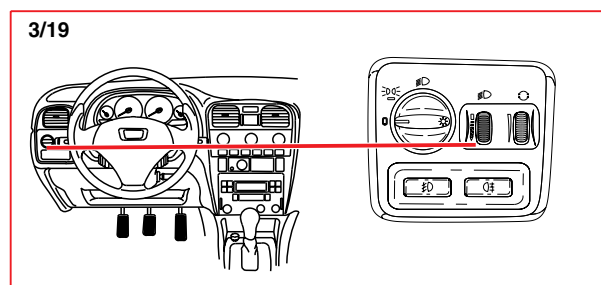
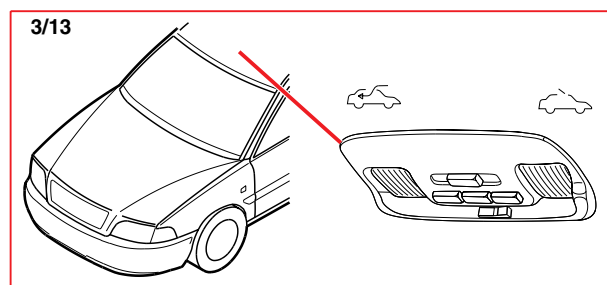
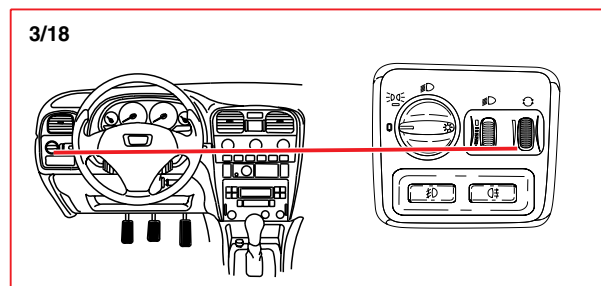
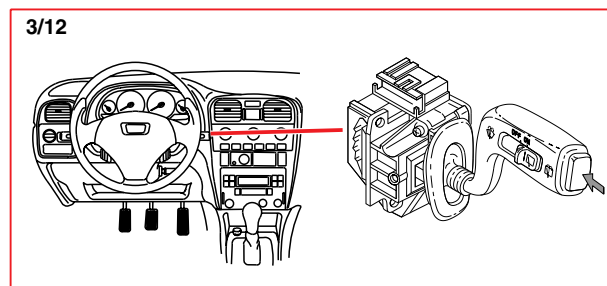
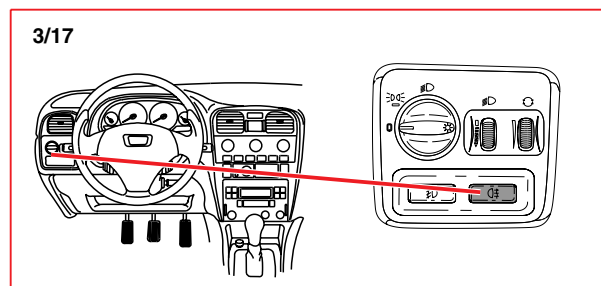
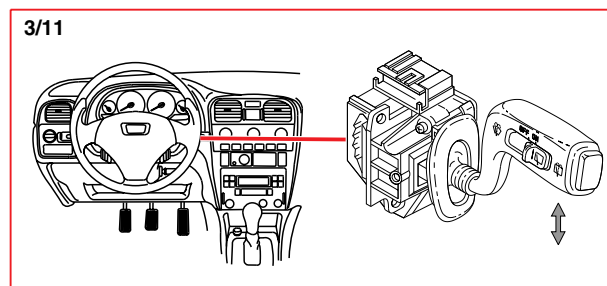
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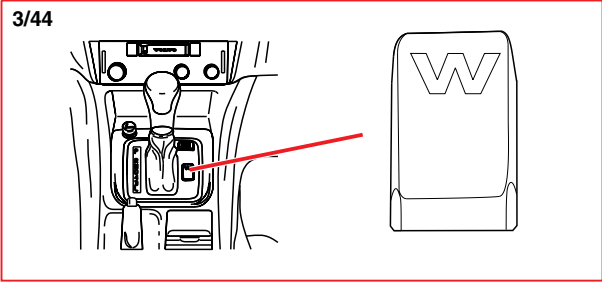
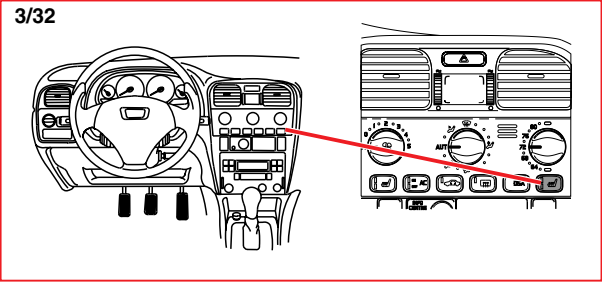
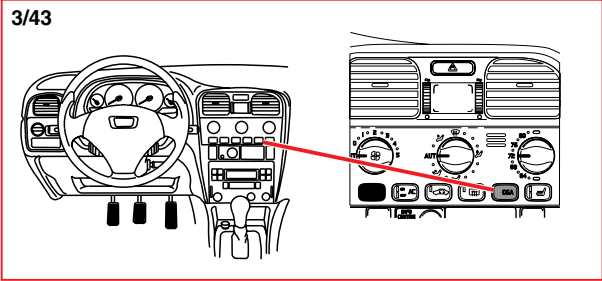
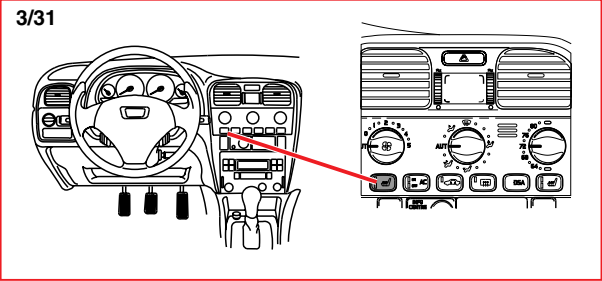
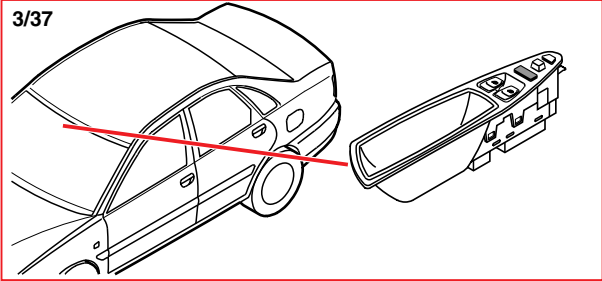
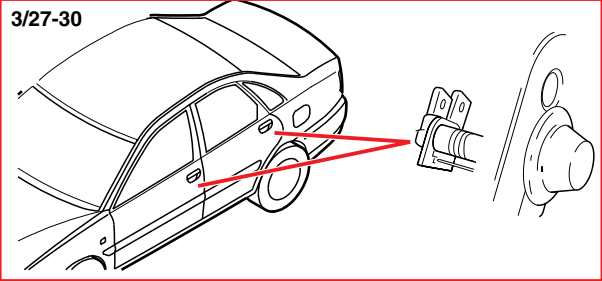
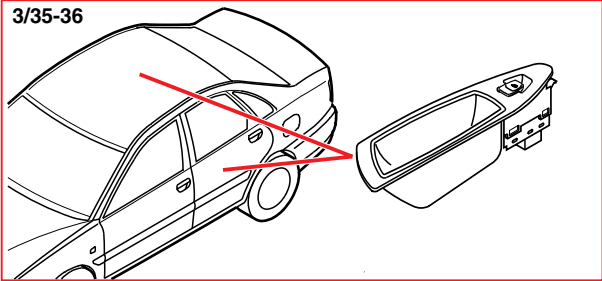
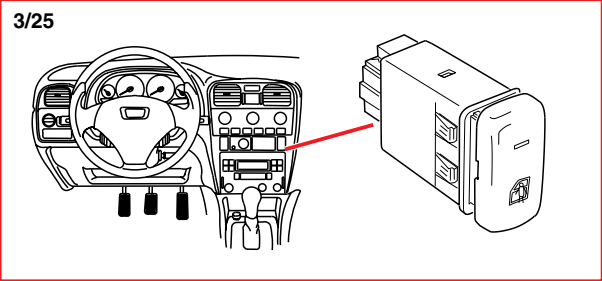
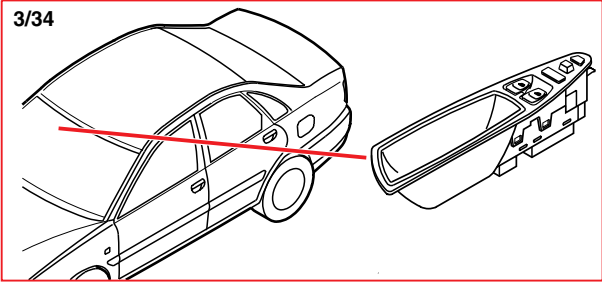
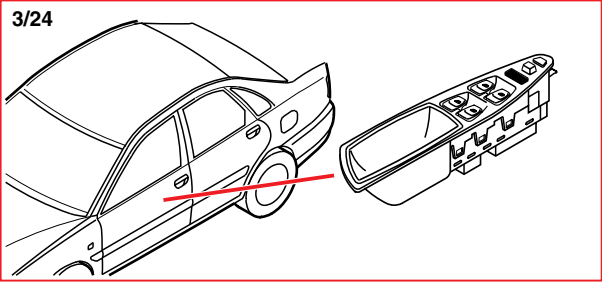
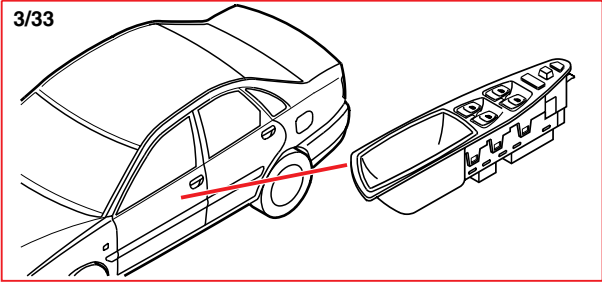
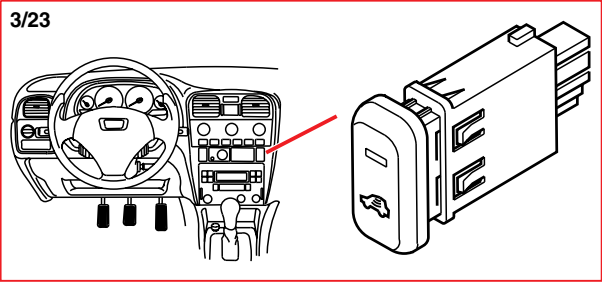




Component illustrations

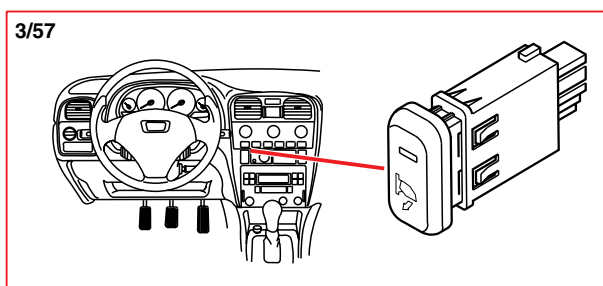
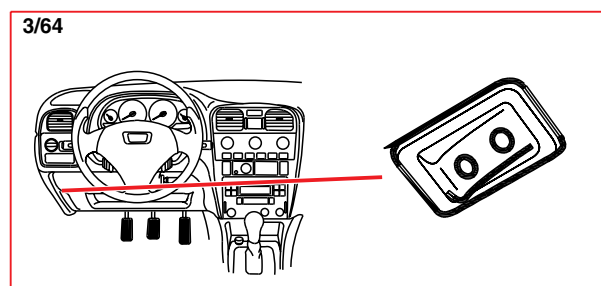
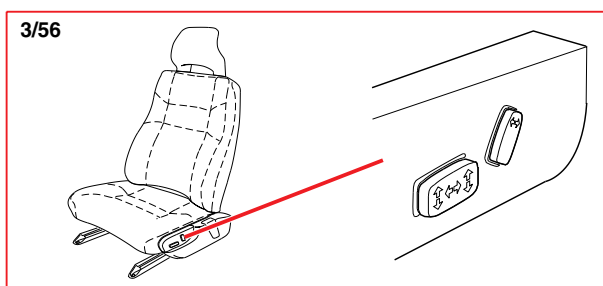
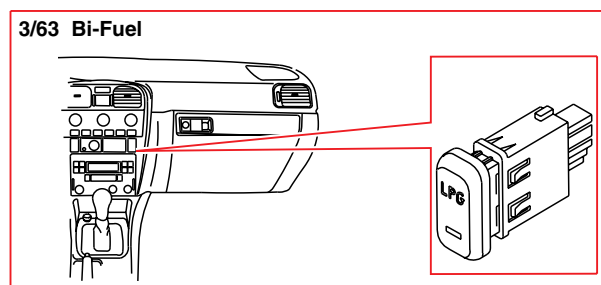
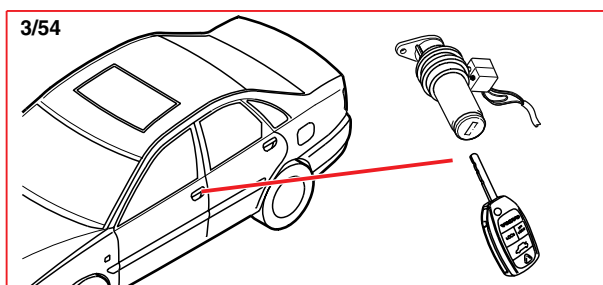
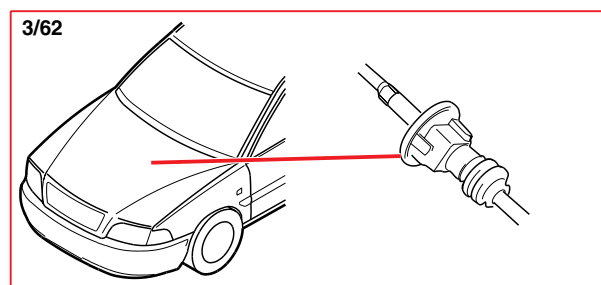
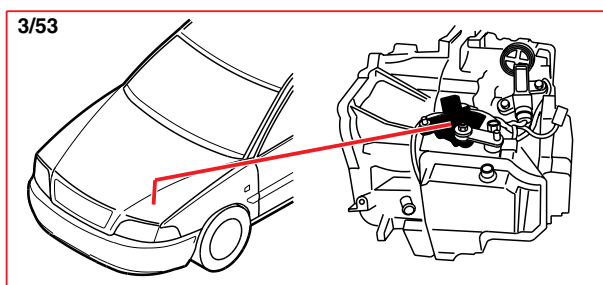
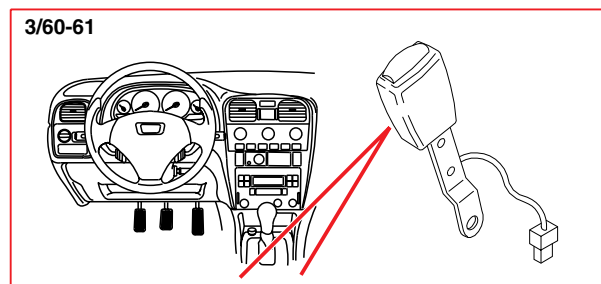
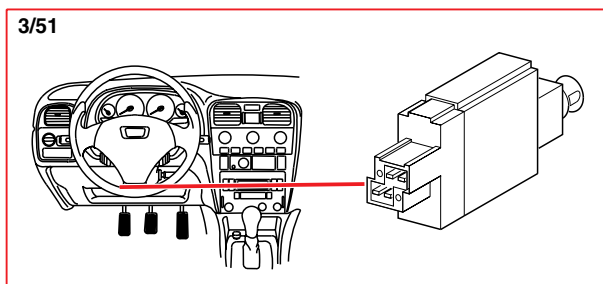
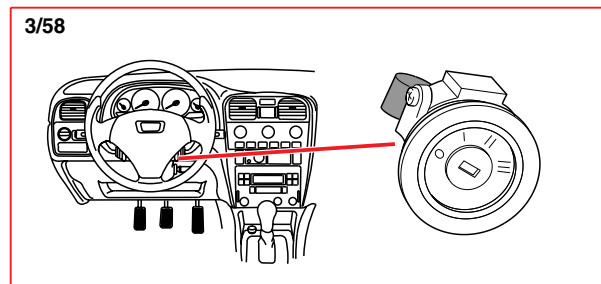
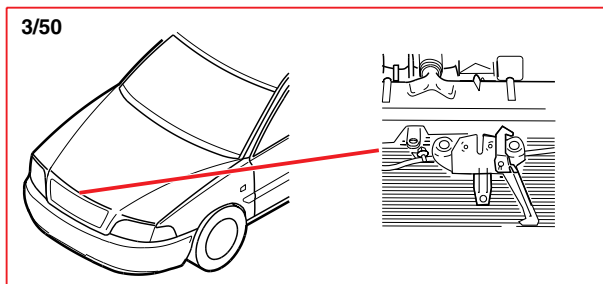
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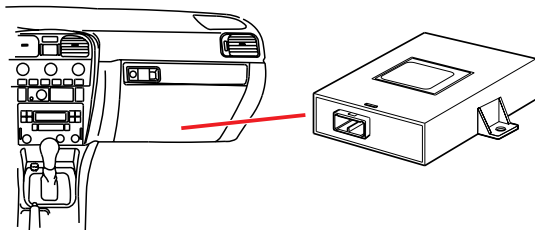


Component illustrations

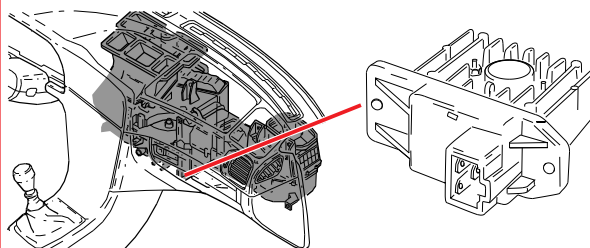
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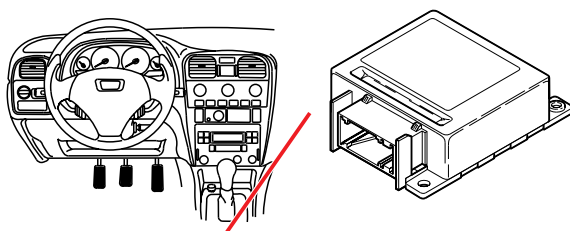
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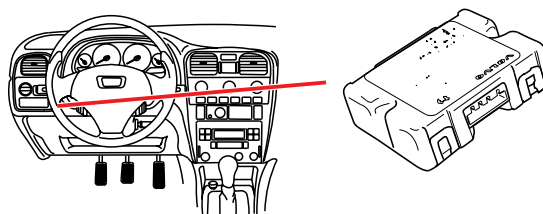
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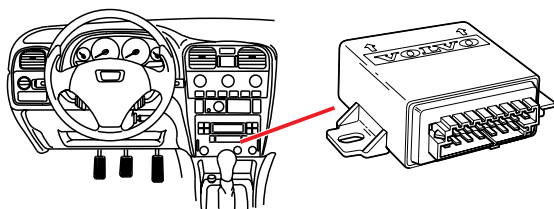
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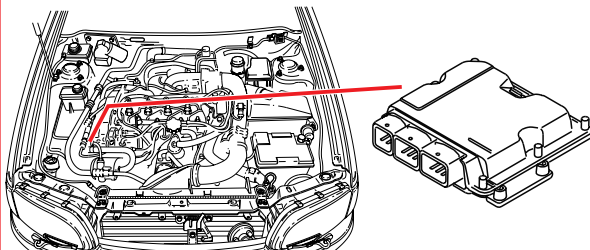
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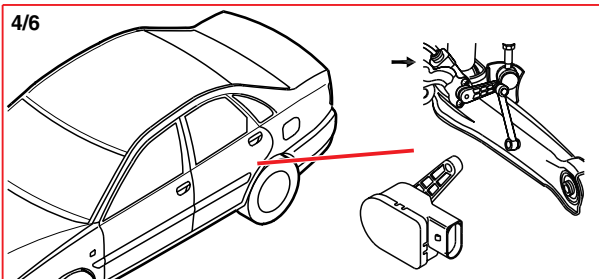
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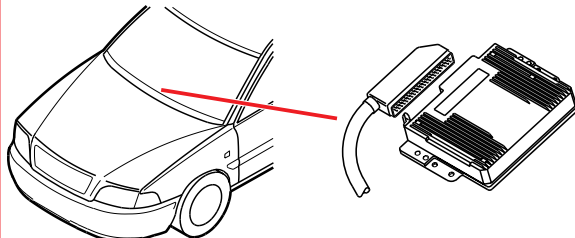
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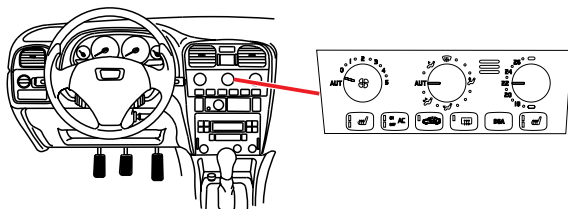
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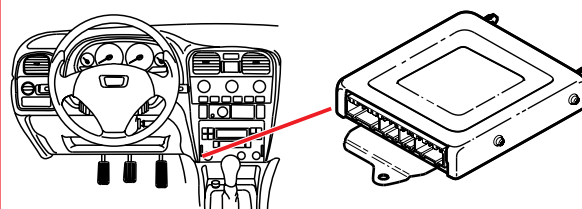
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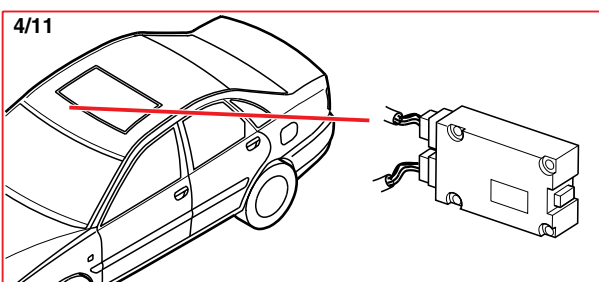
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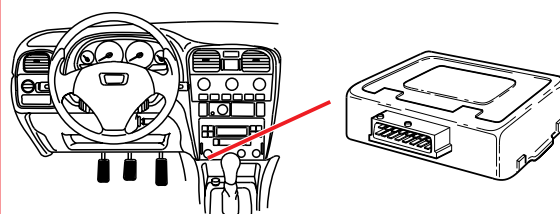
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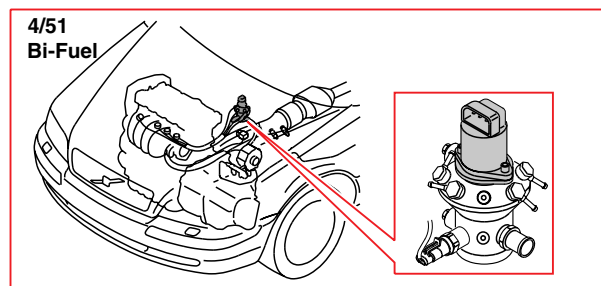
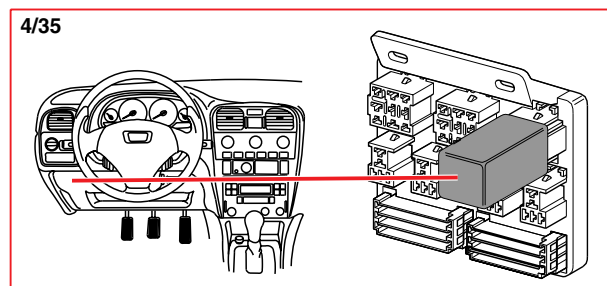
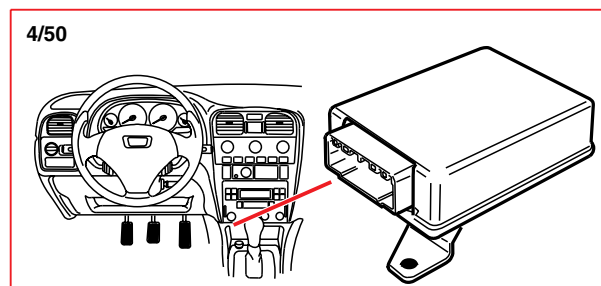
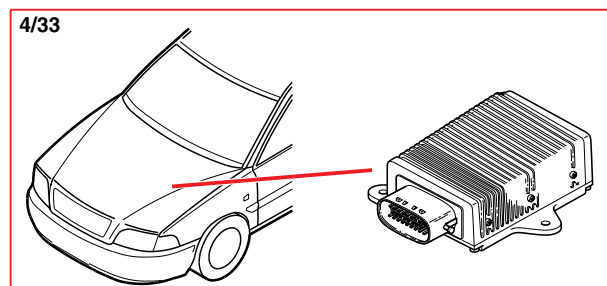
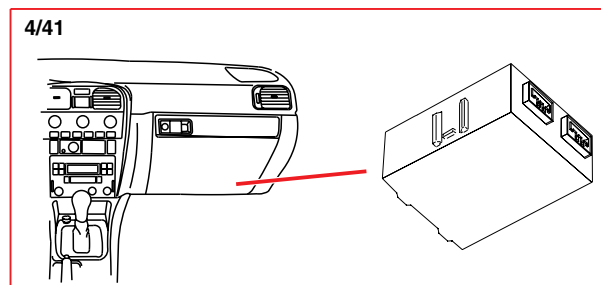
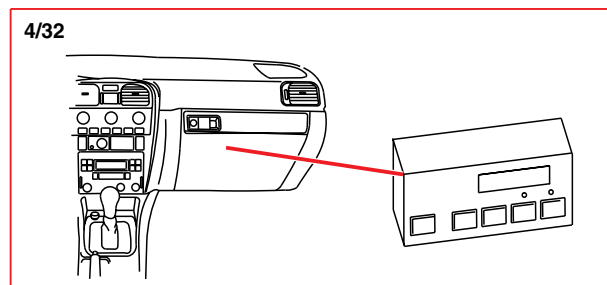
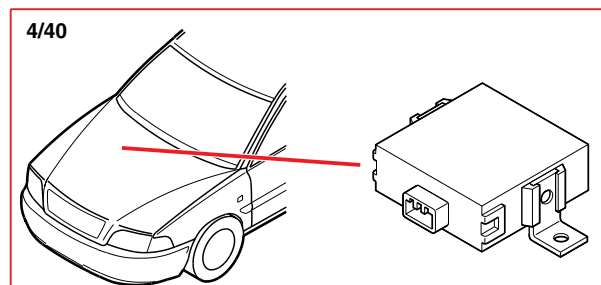
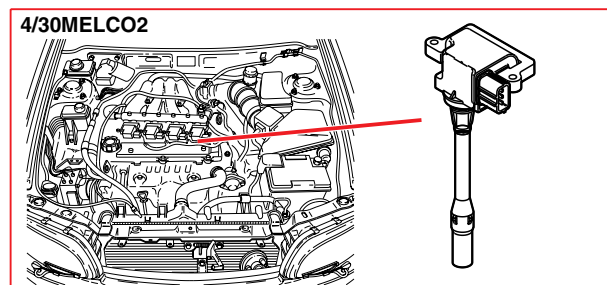
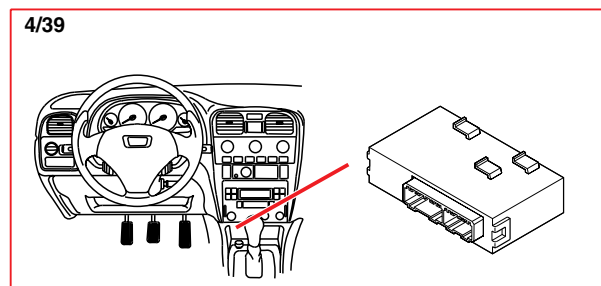
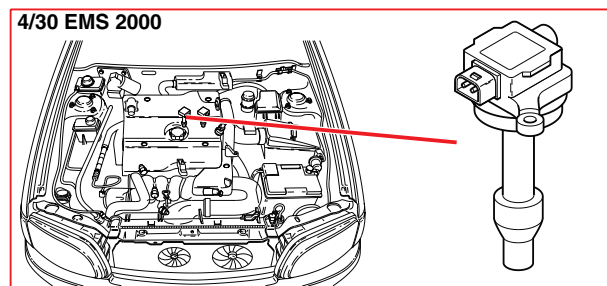
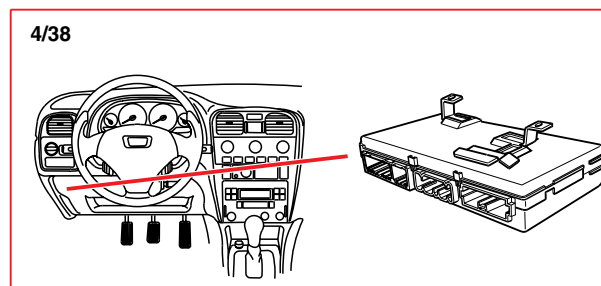
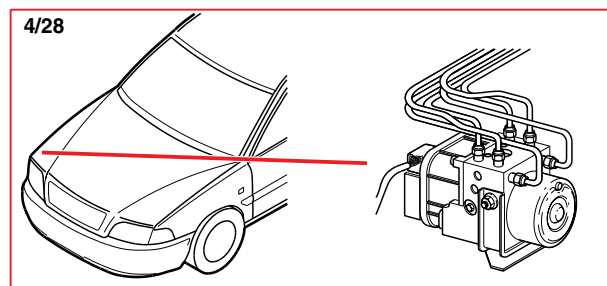


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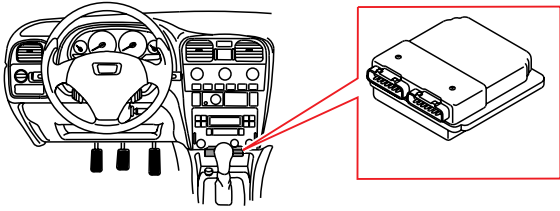


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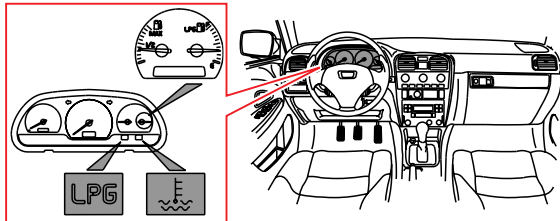
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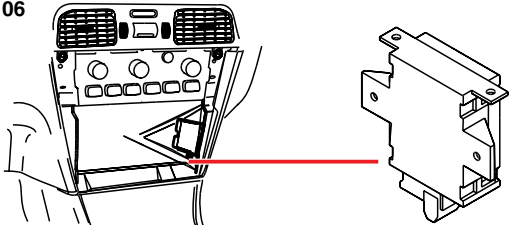
4/75 Bi-Fuel



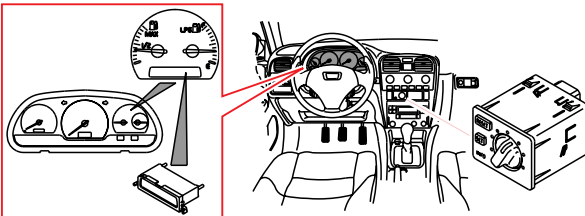
5/1 Bi-Fuel



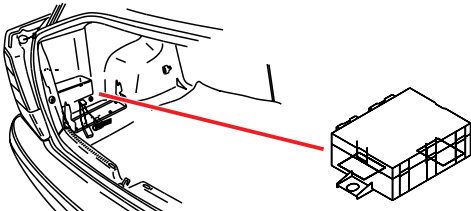
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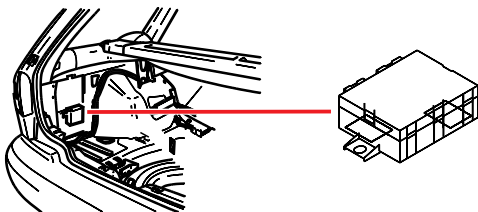
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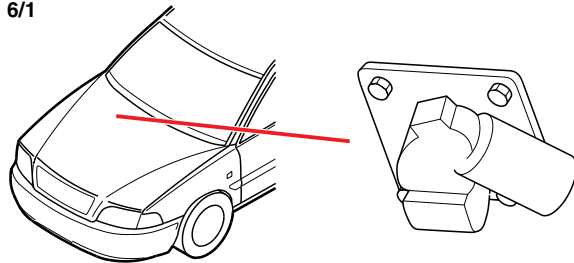
4/108 S40



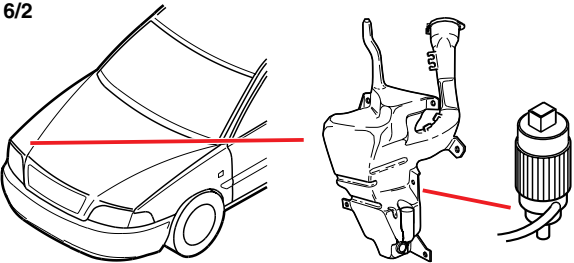
4/108 V40



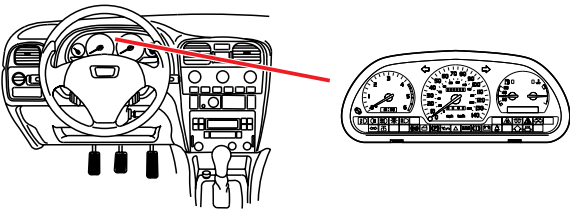
6/1



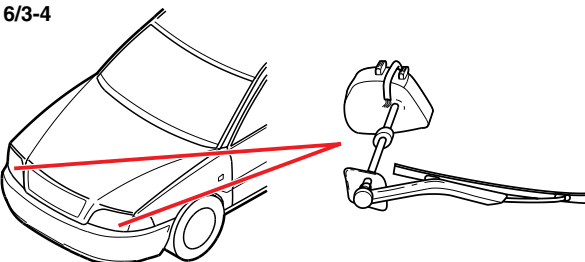
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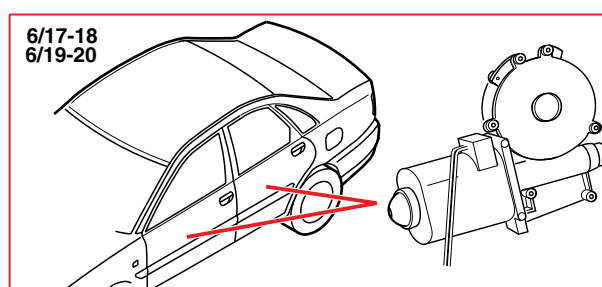
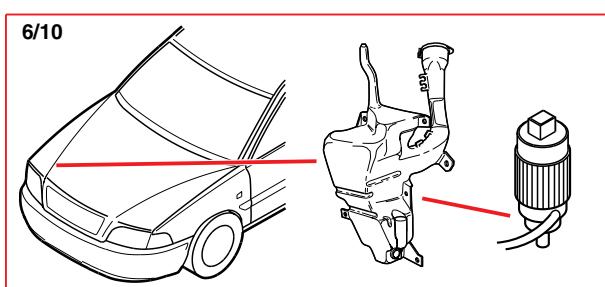
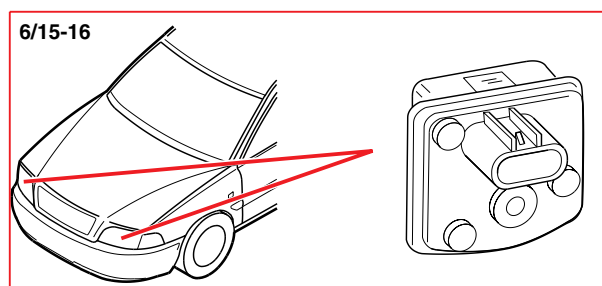
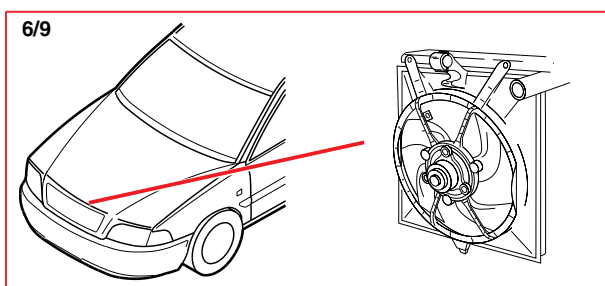
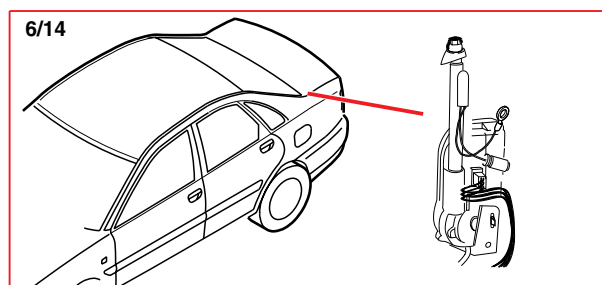
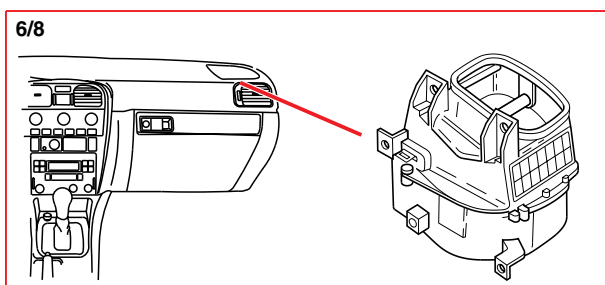
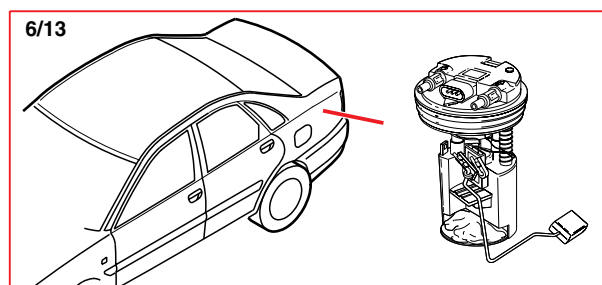
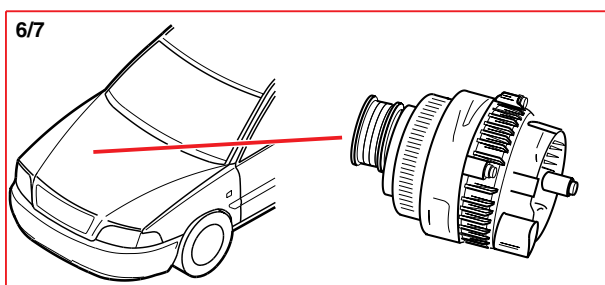
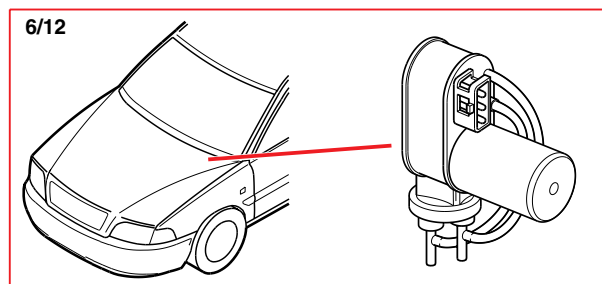
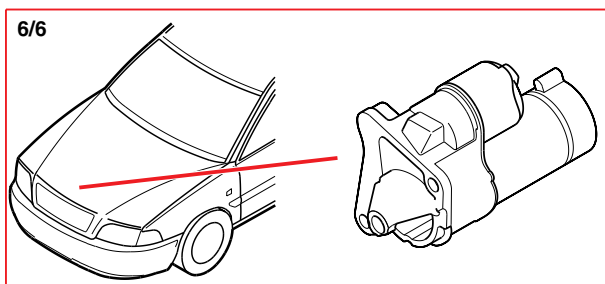
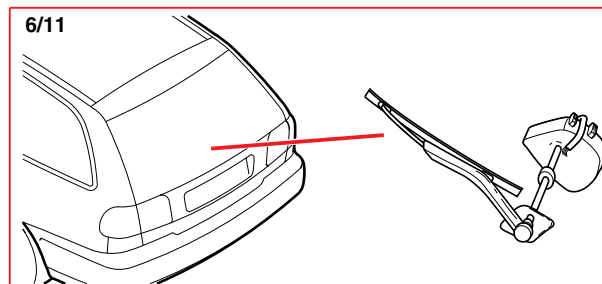
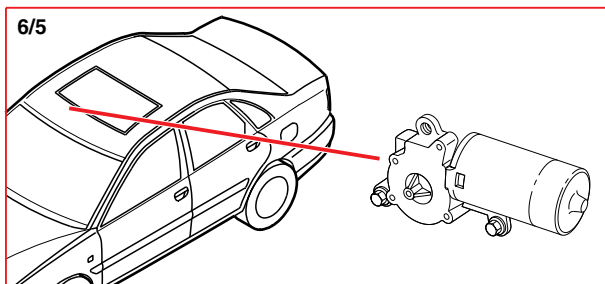


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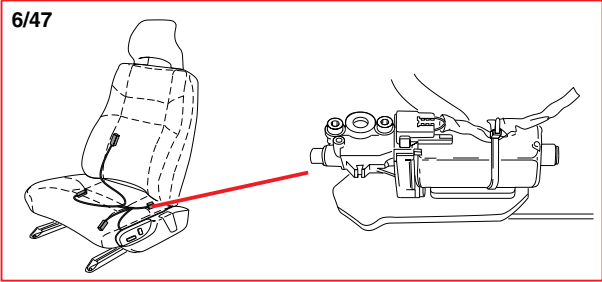
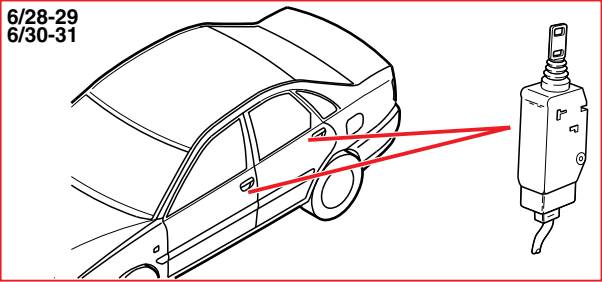
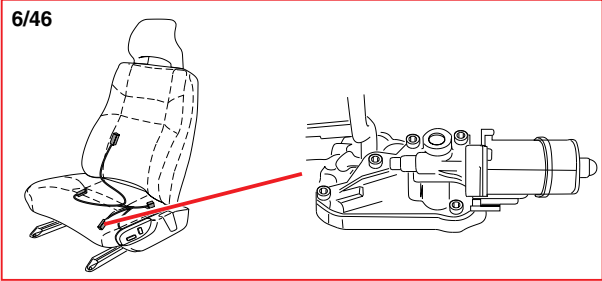
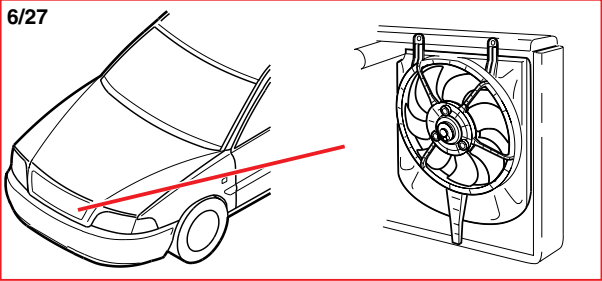
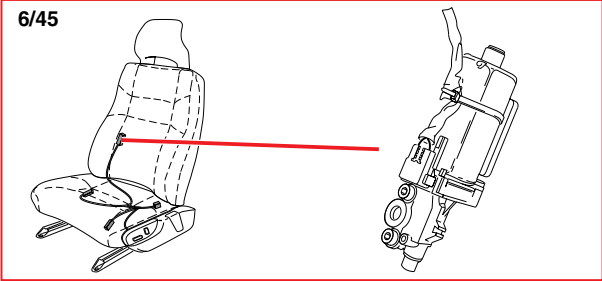
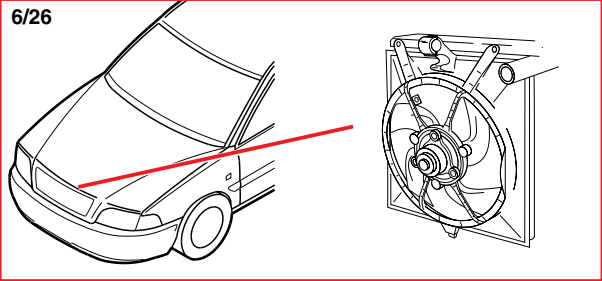
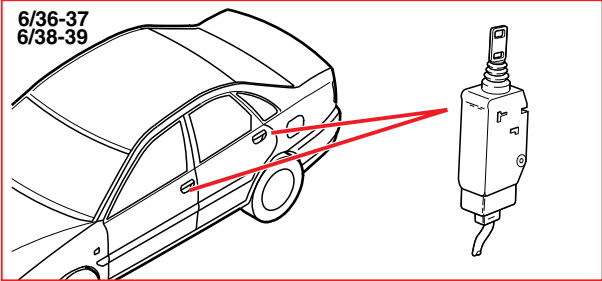
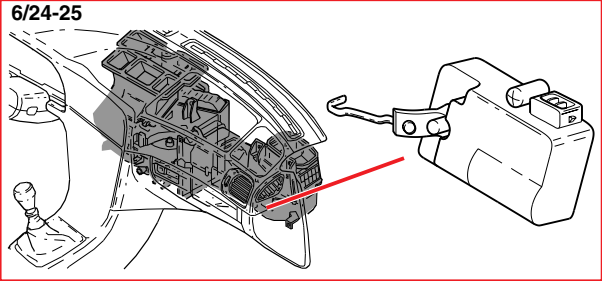
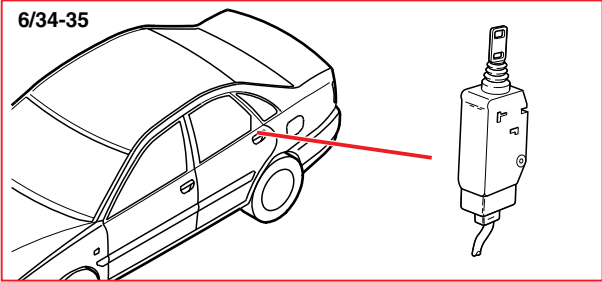
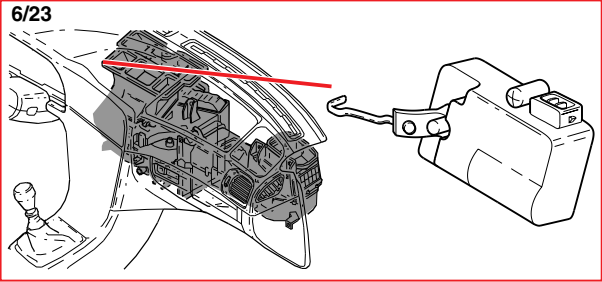
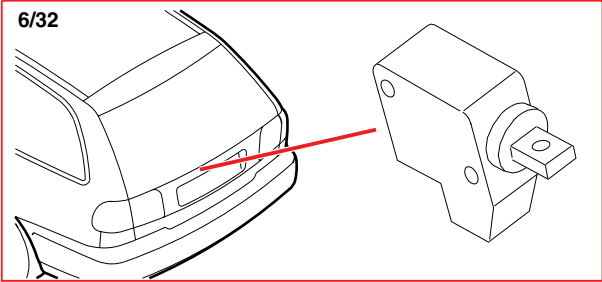
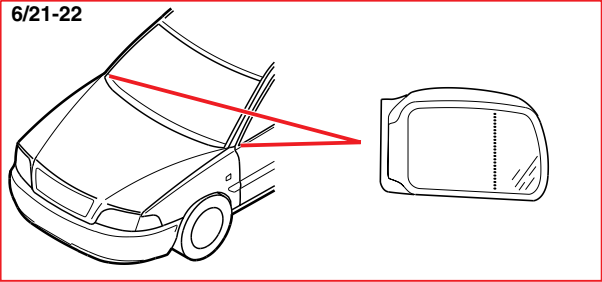


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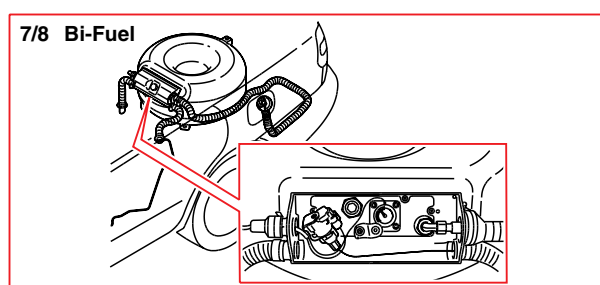
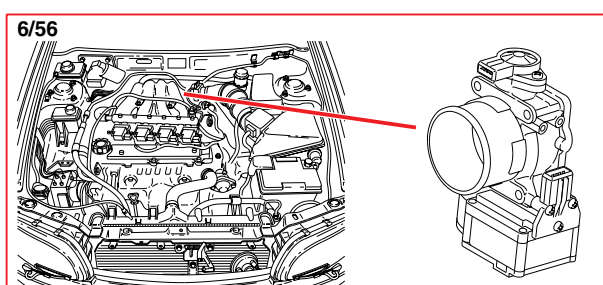
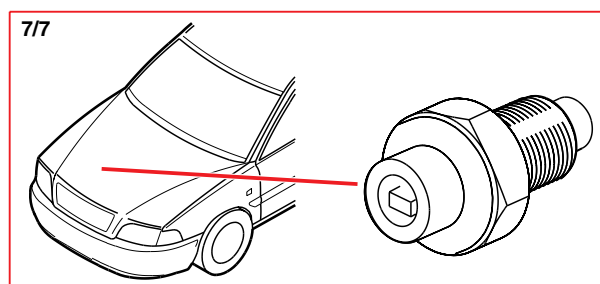
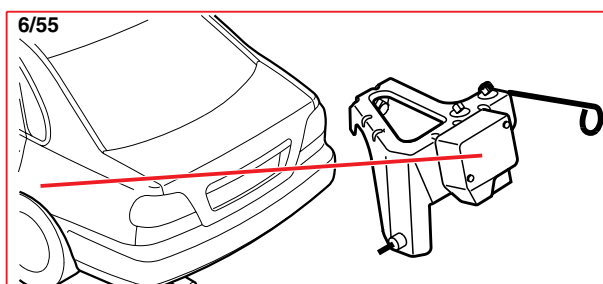
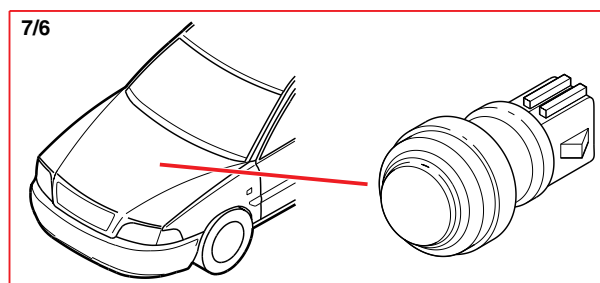
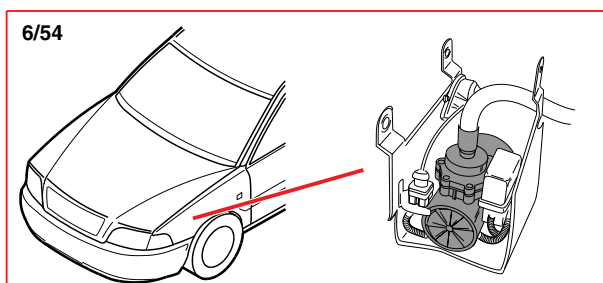
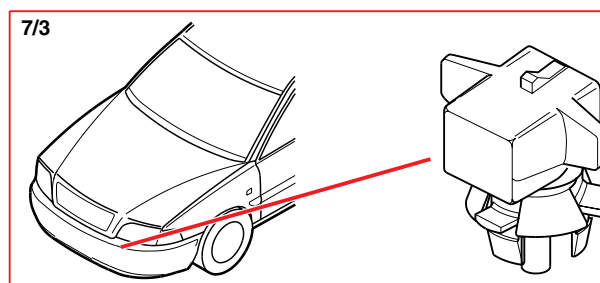
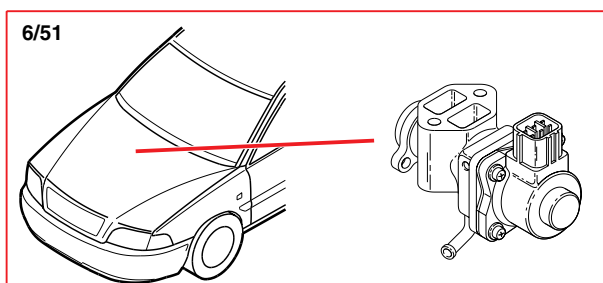
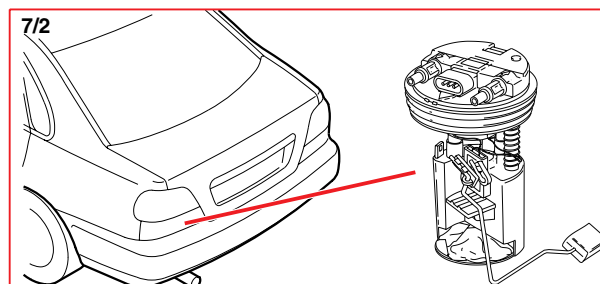
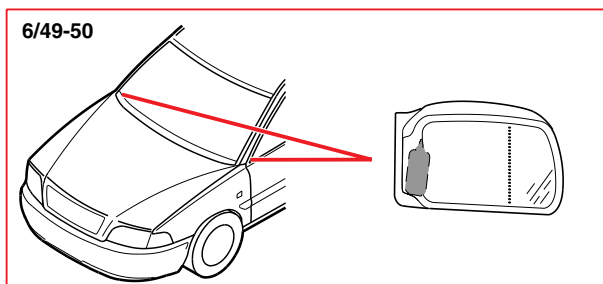
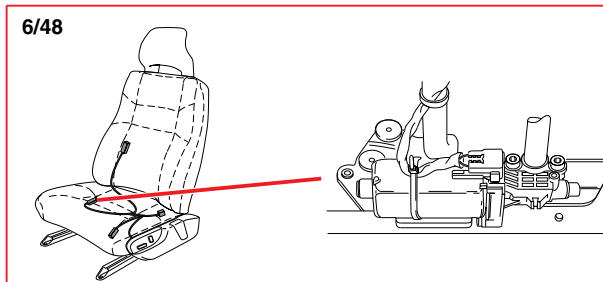


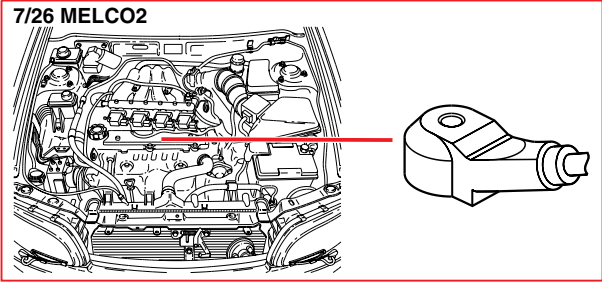
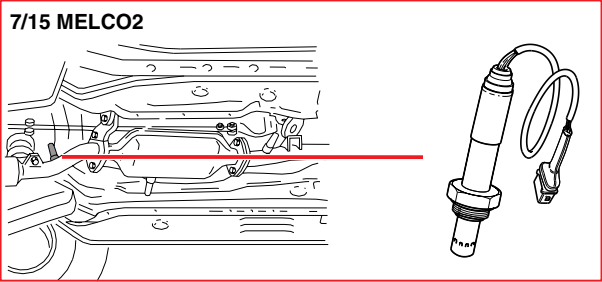
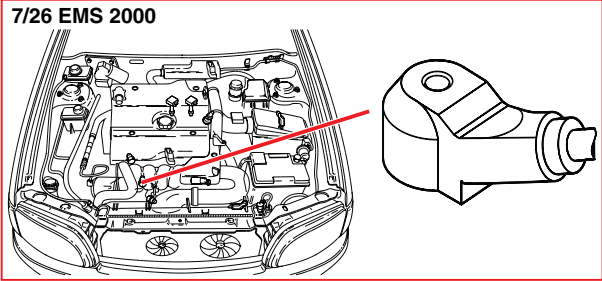
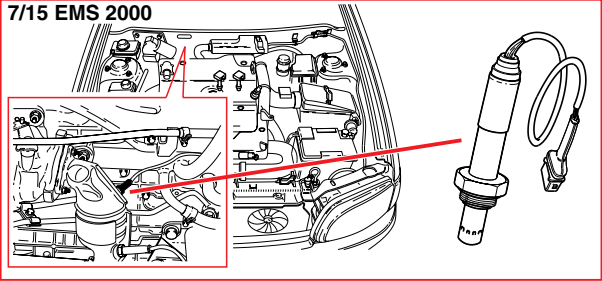
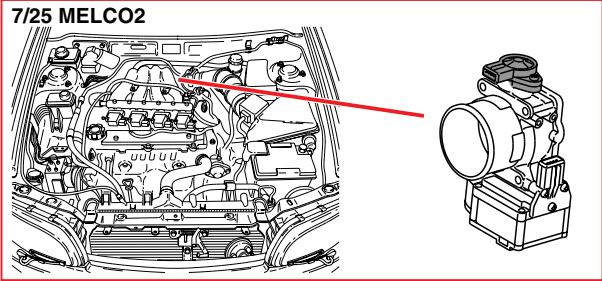
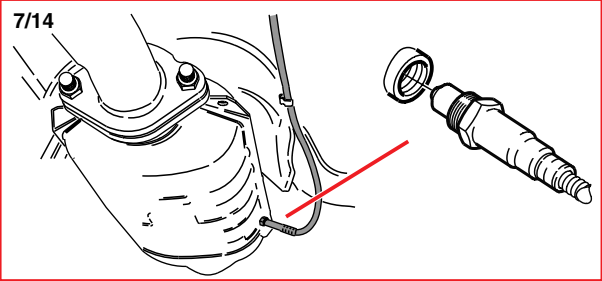
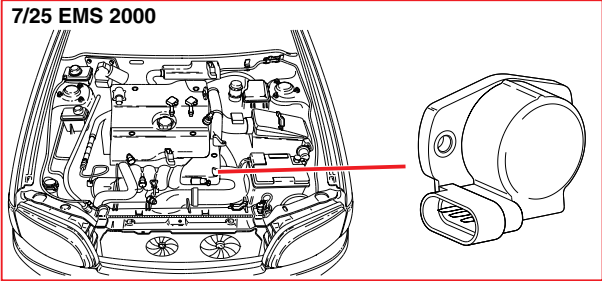
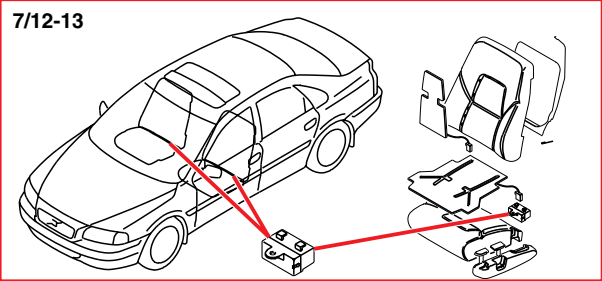
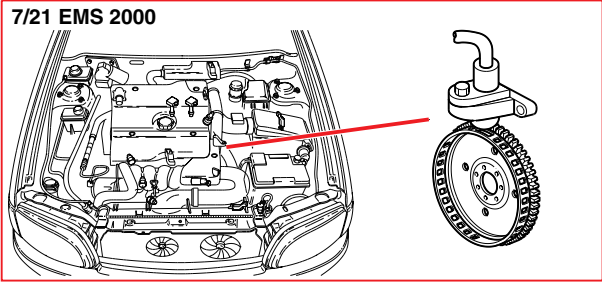
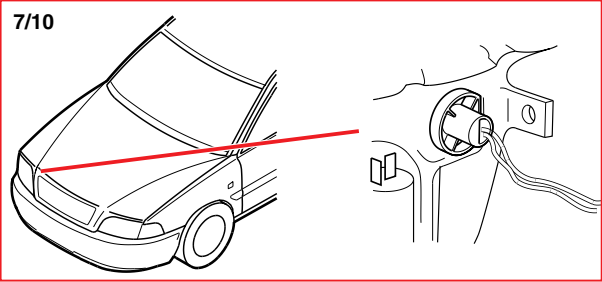
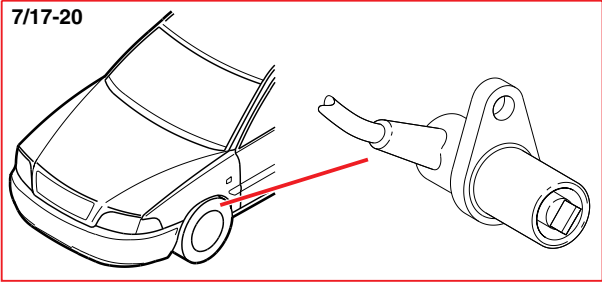
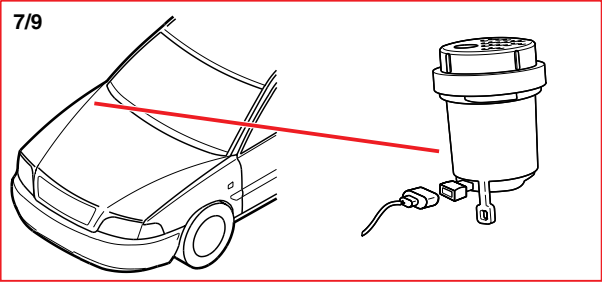
Component illustrations
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Component illustrations

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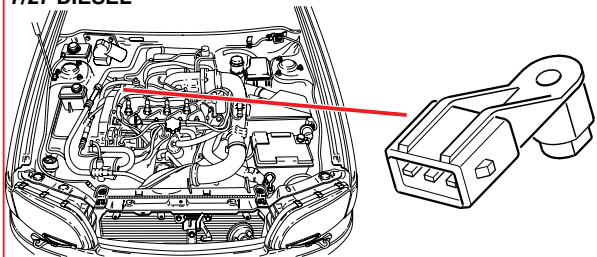




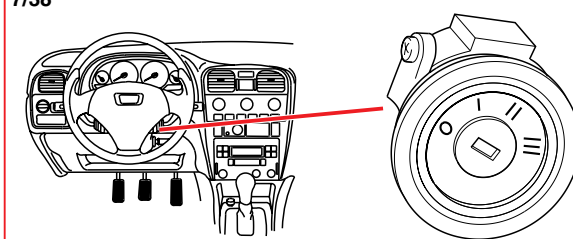
Component illustrations

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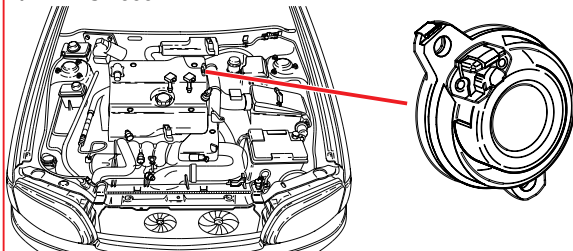
7/27 DIESEL



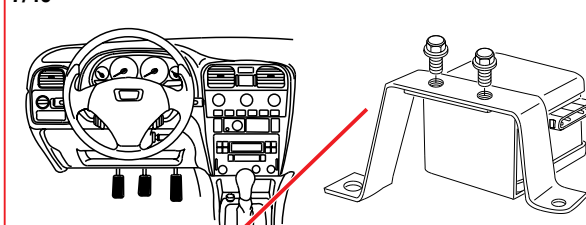
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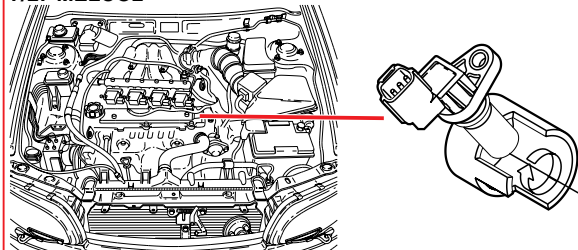
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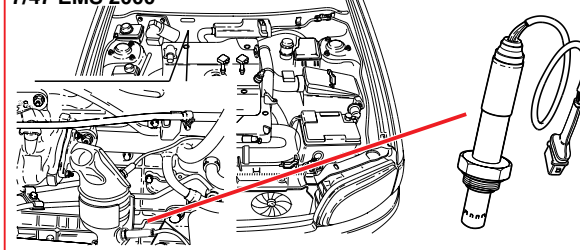
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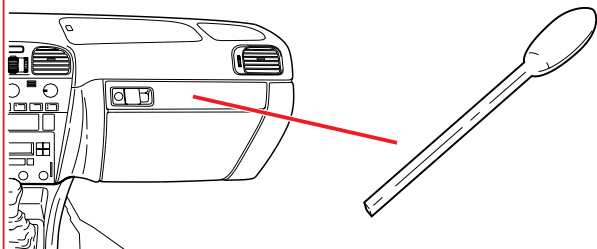
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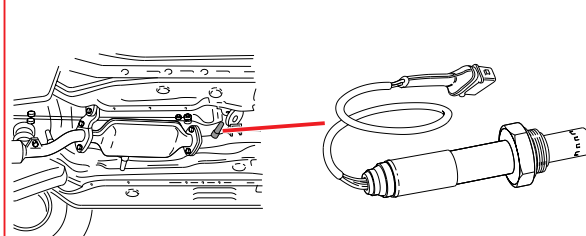
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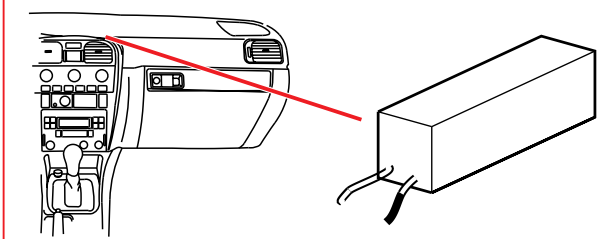
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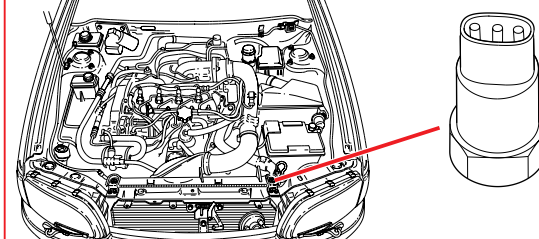
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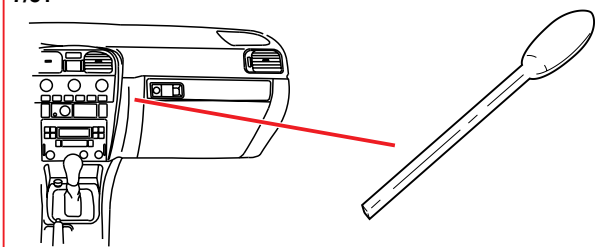
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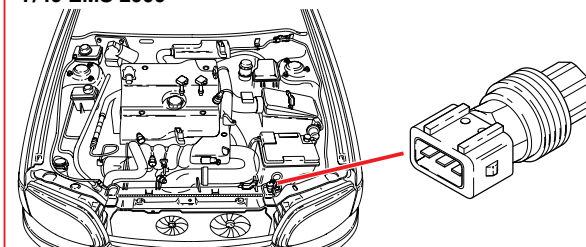
7/49 DIESEL



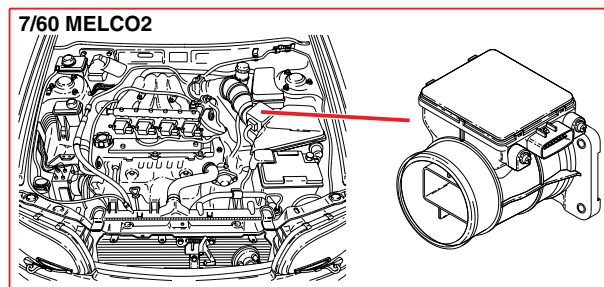
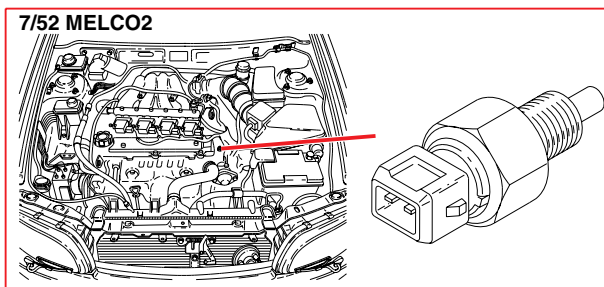
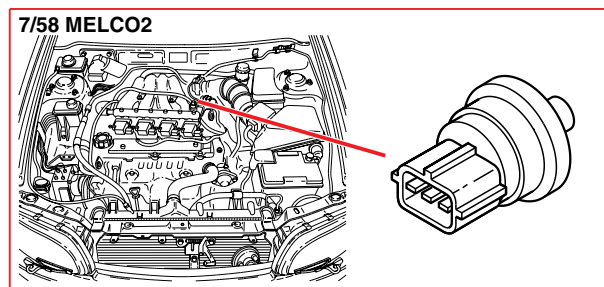
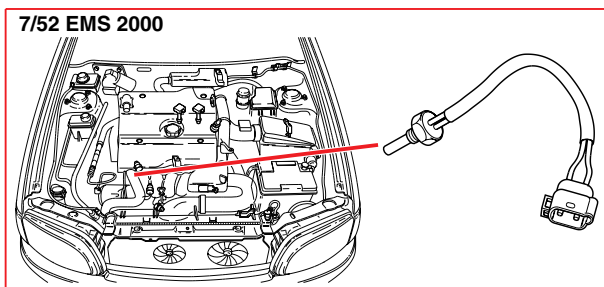
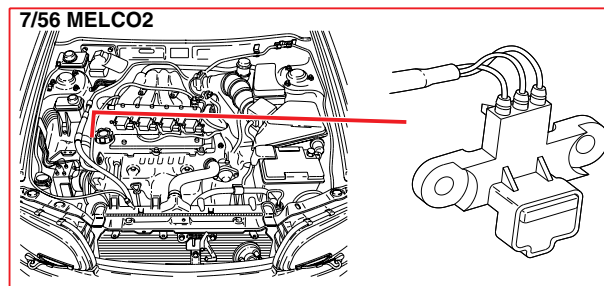
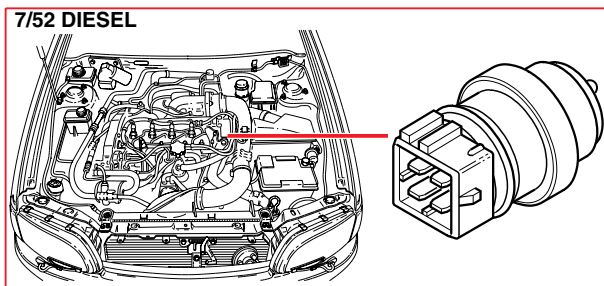
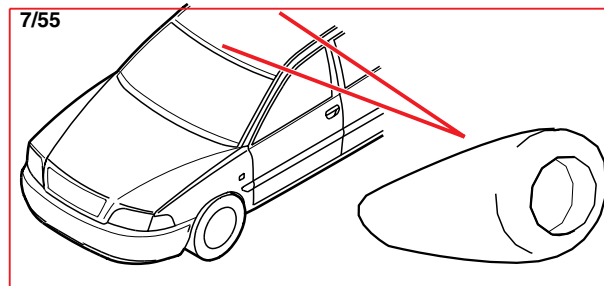
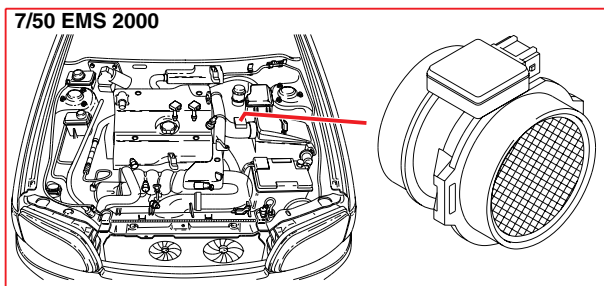
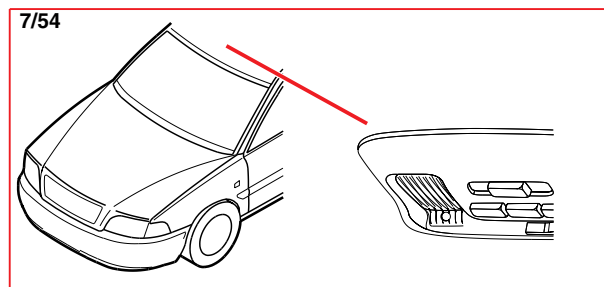
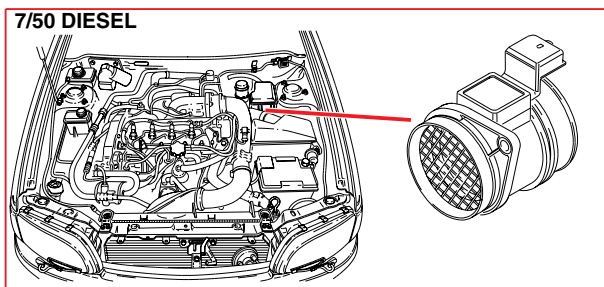
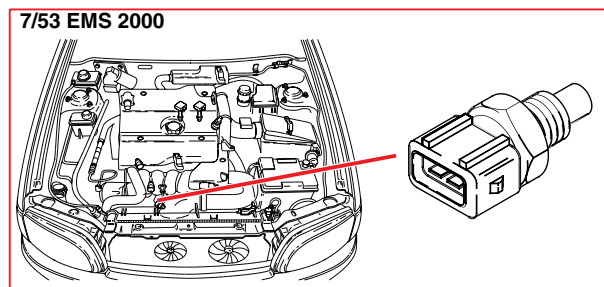
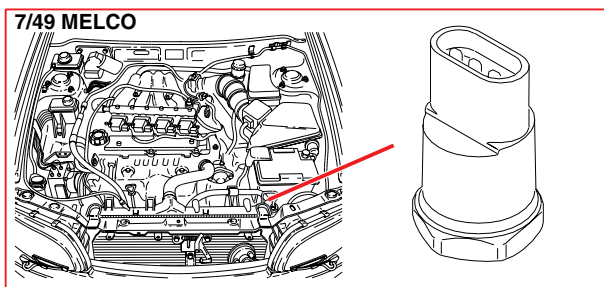
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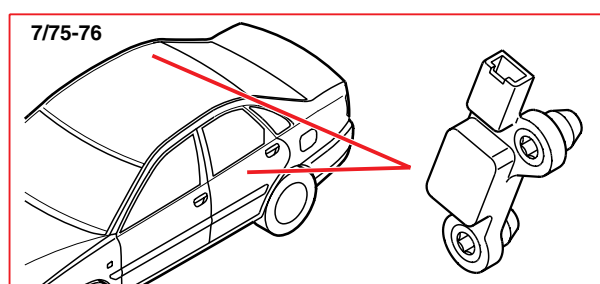
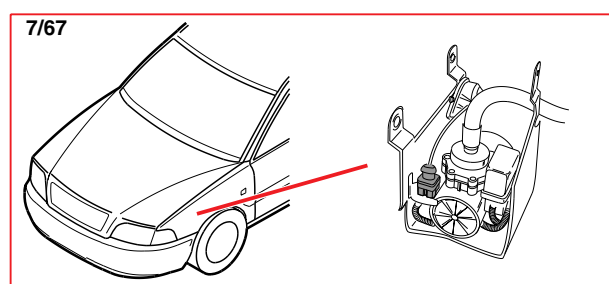
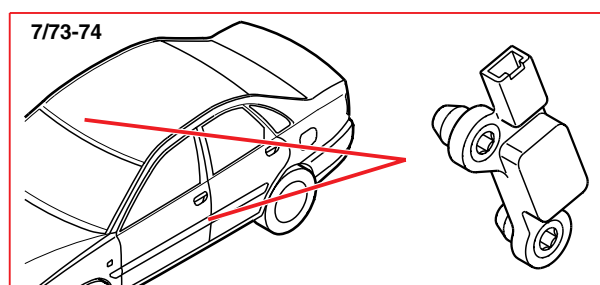
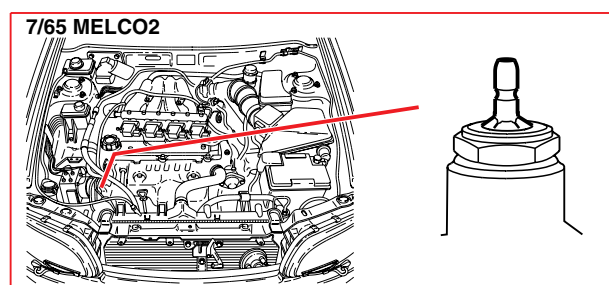
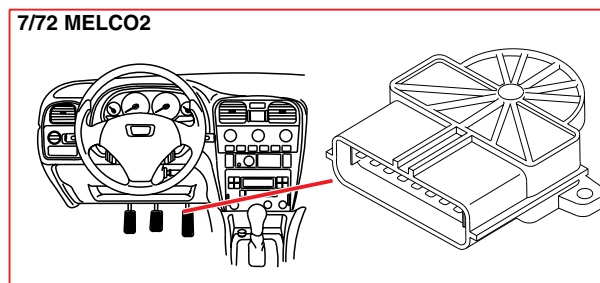
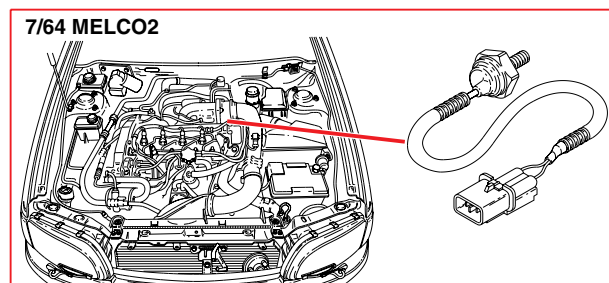
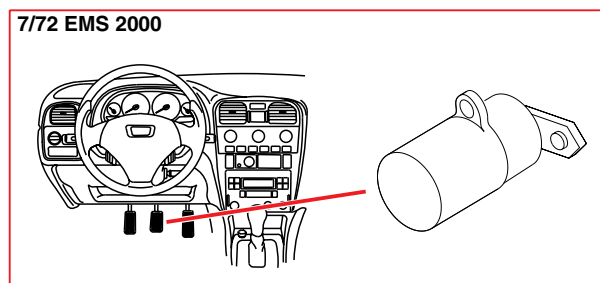
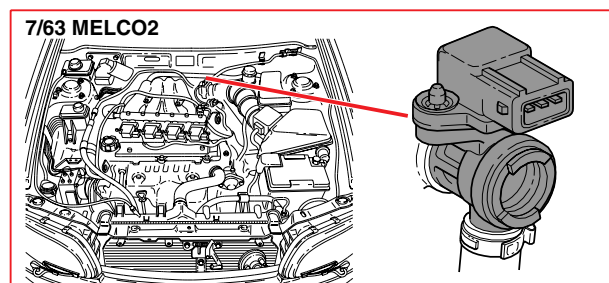
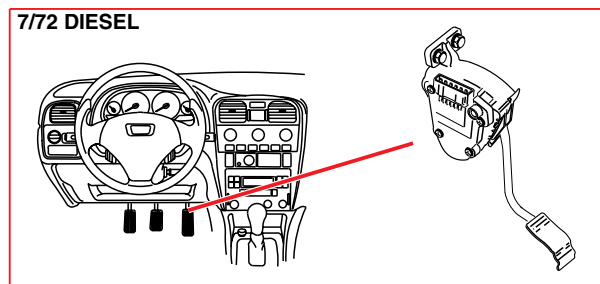
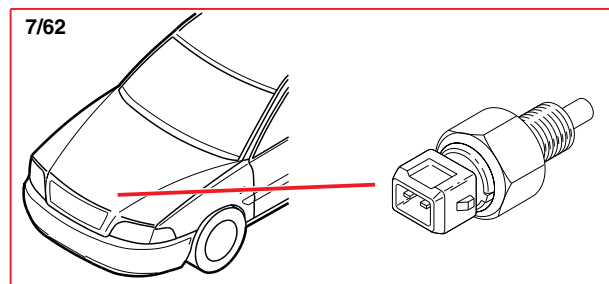
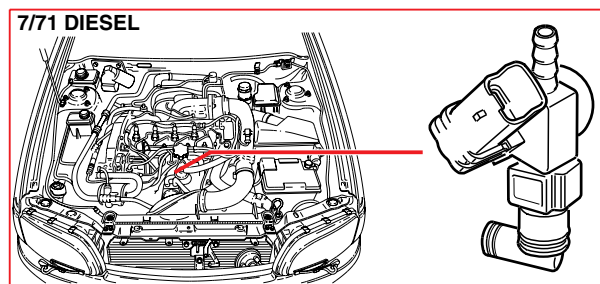
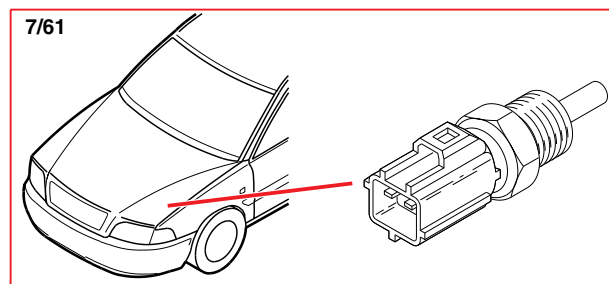


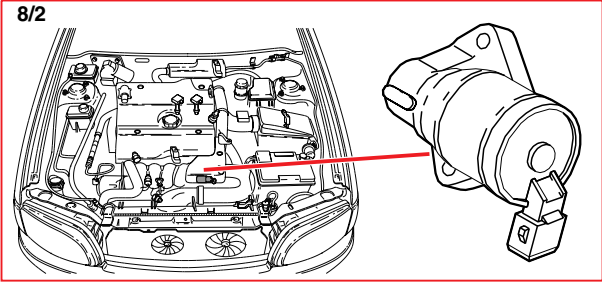
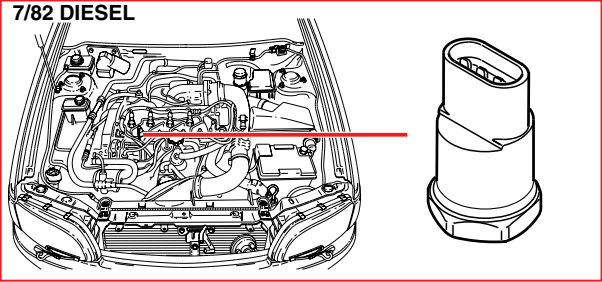
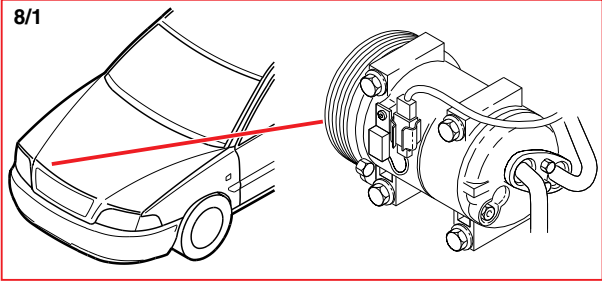
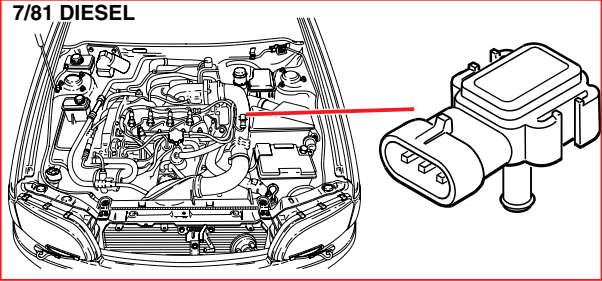
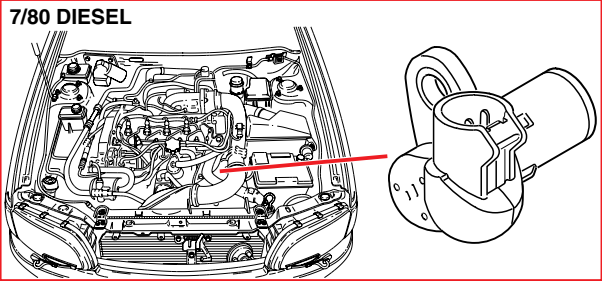
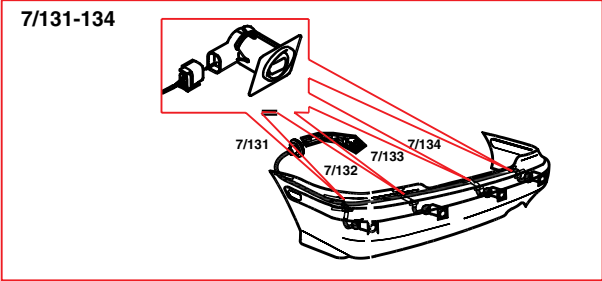
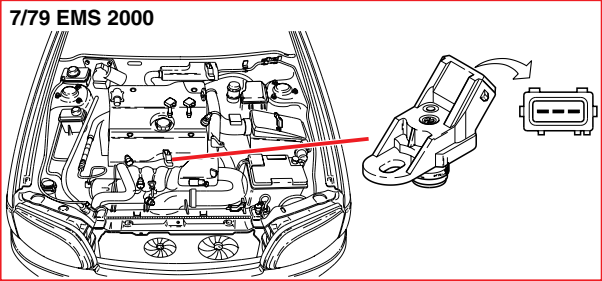
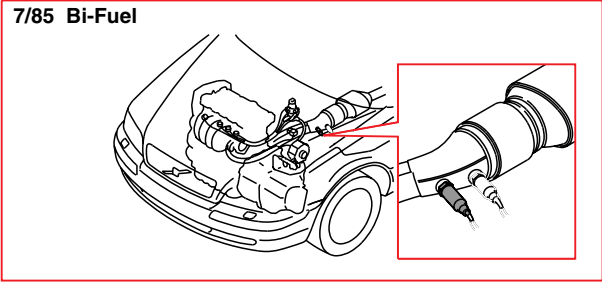
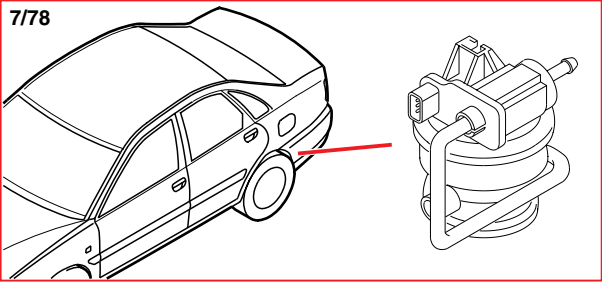
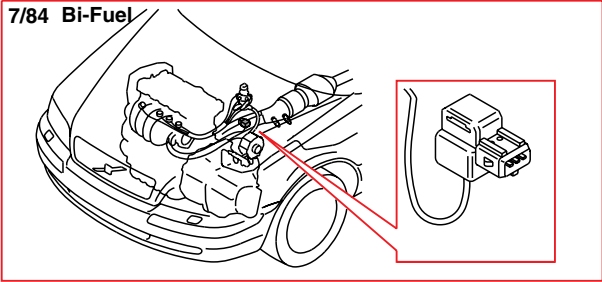
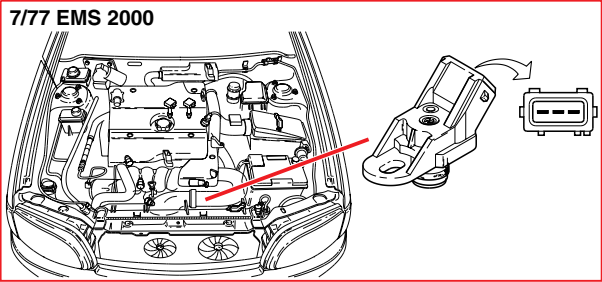
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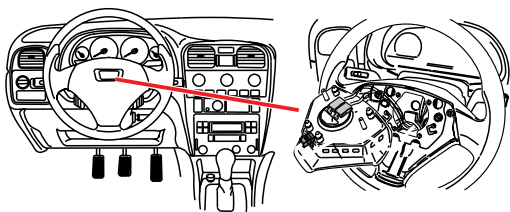




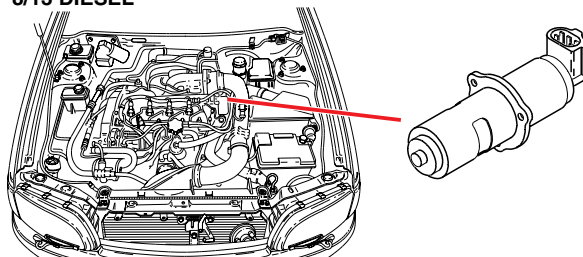
Component illustrations

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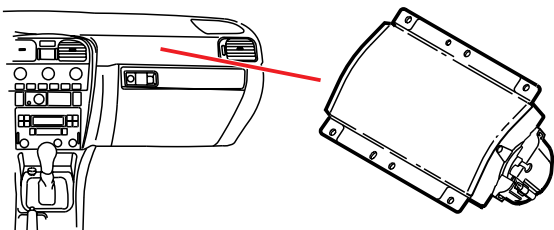
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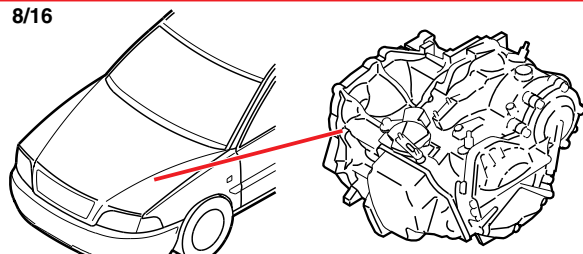
8/13 DIESEL



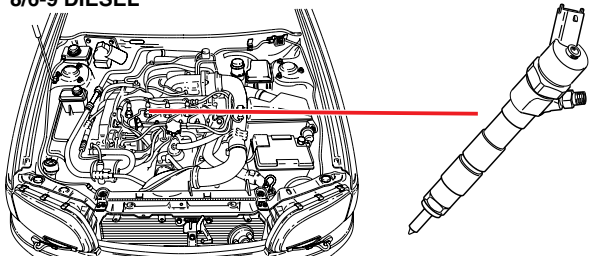
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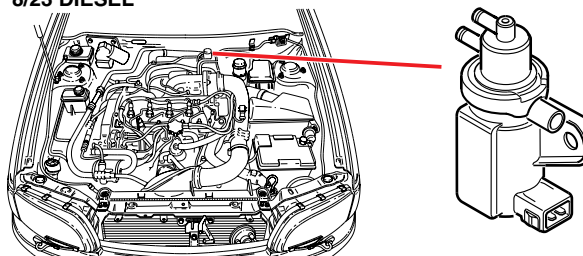
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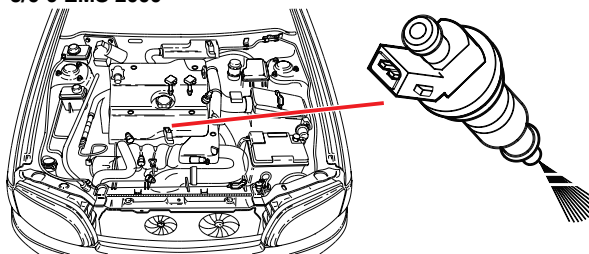
8/6-9 DIESEL



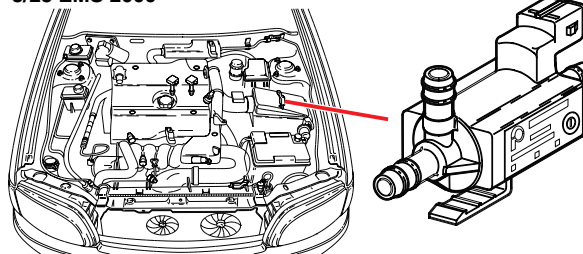
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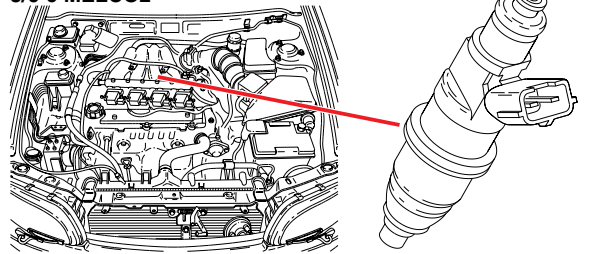
8/6-9 EMS 2000



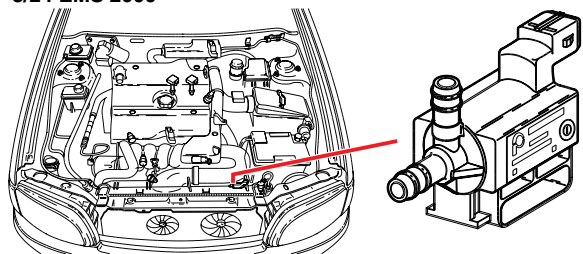
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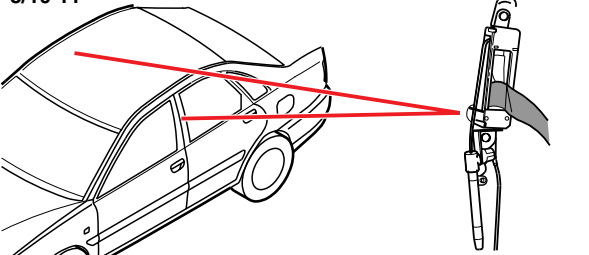
8/6-9 MELCO2



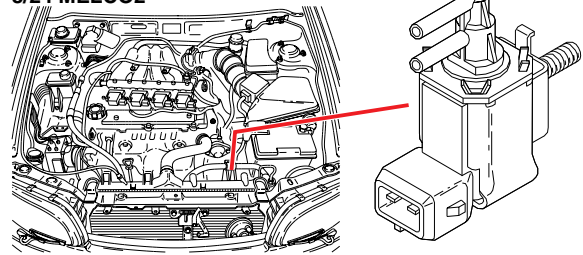
8/24 EMS 2000

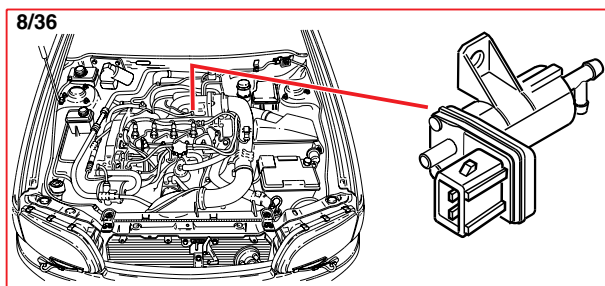
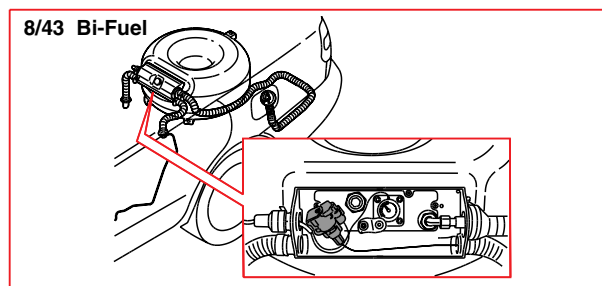
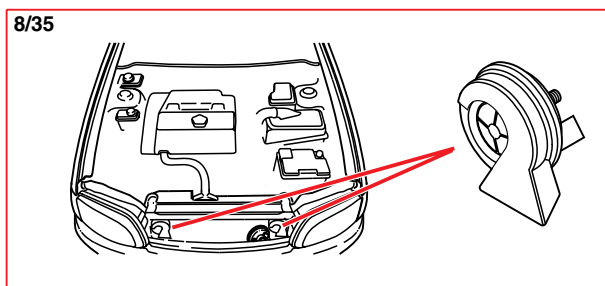
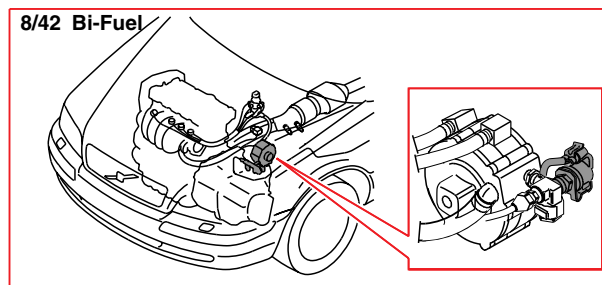
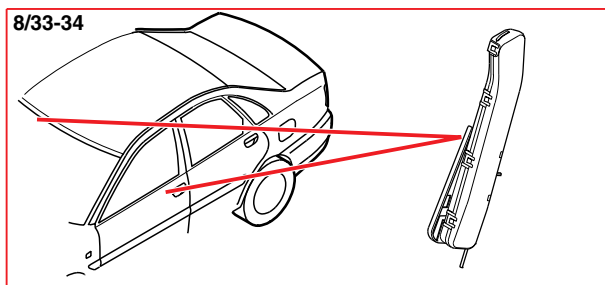
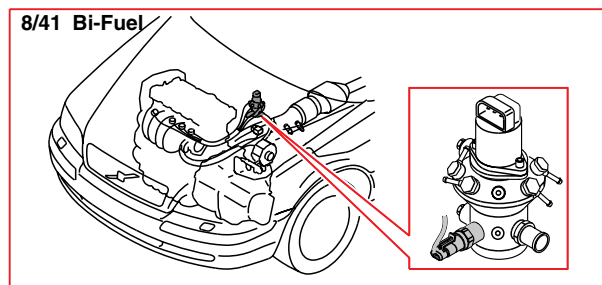
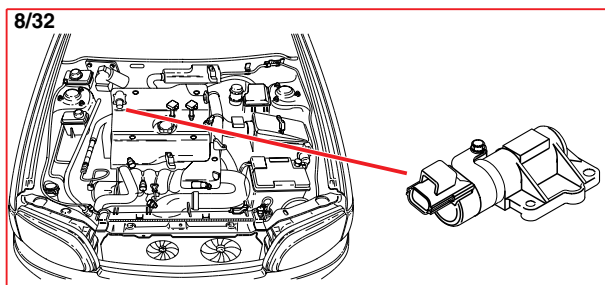
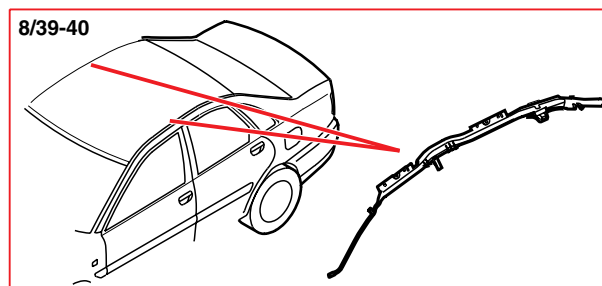
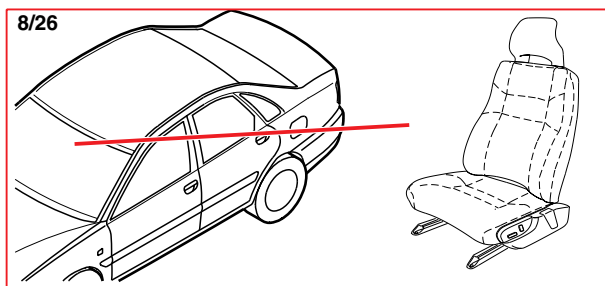
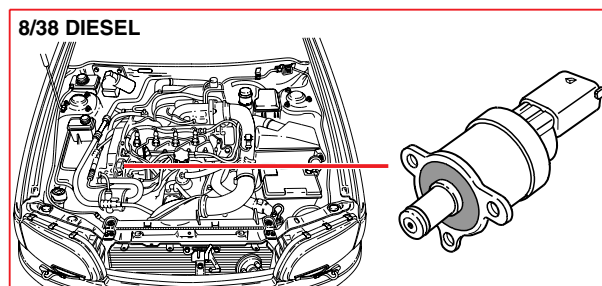
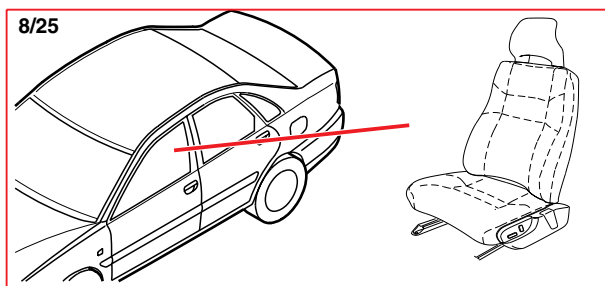


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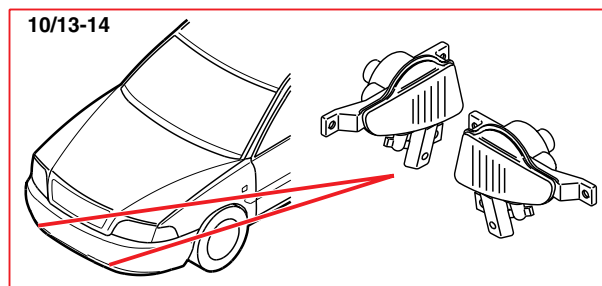
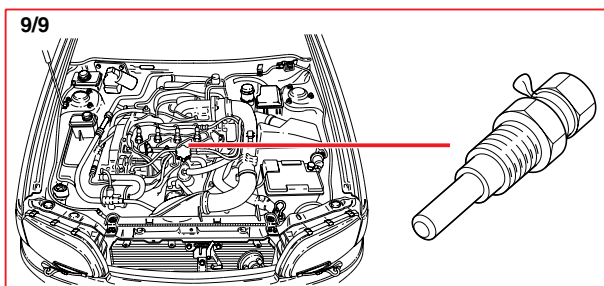
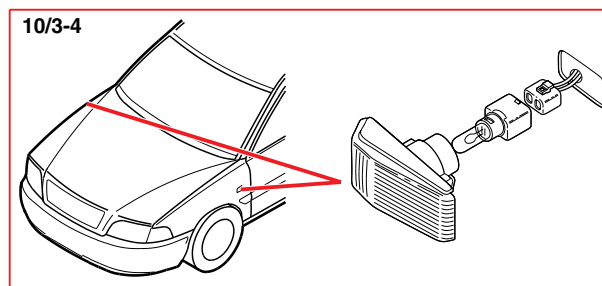
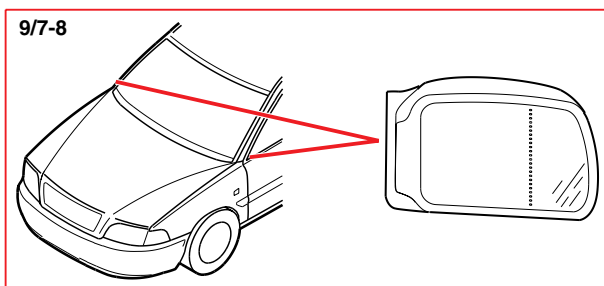
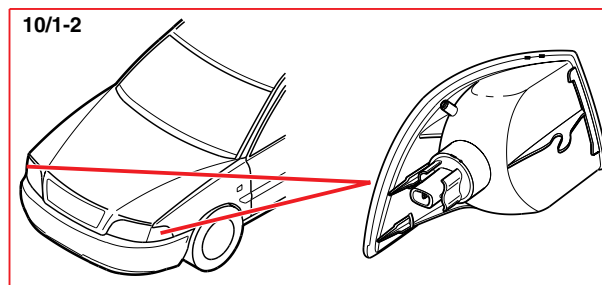
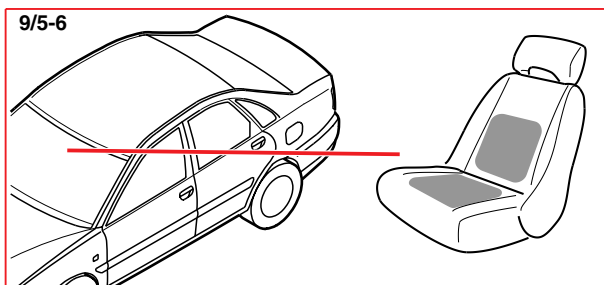
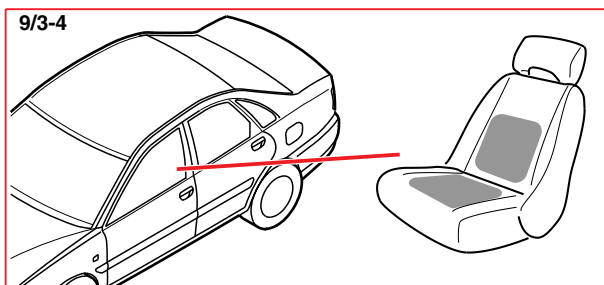
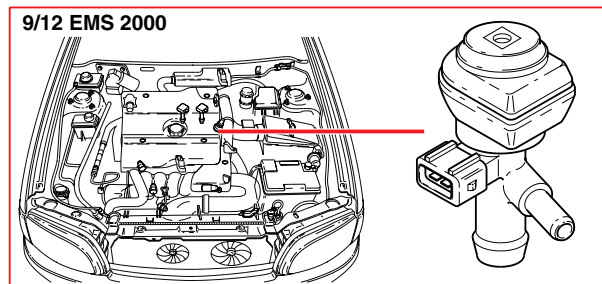
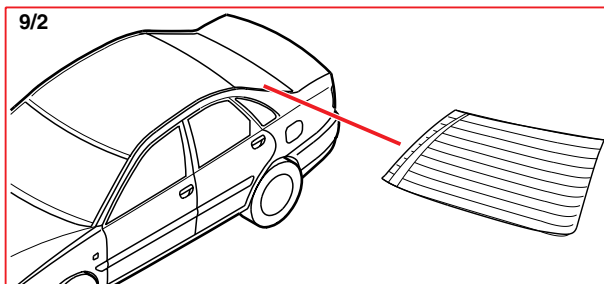
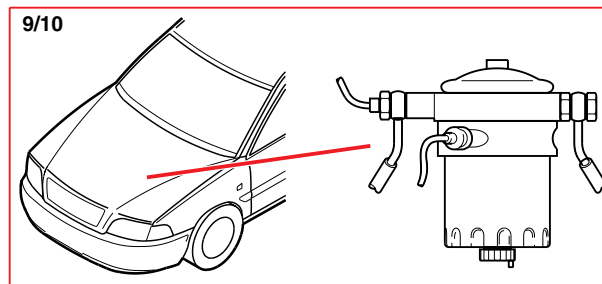
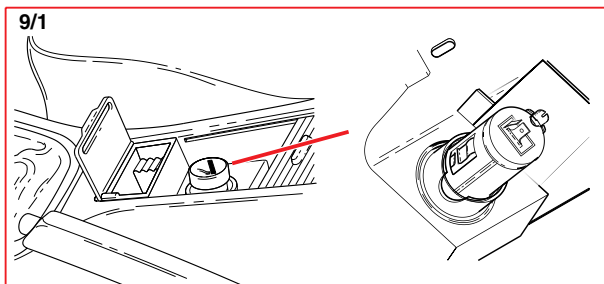
8/24 MELCO2



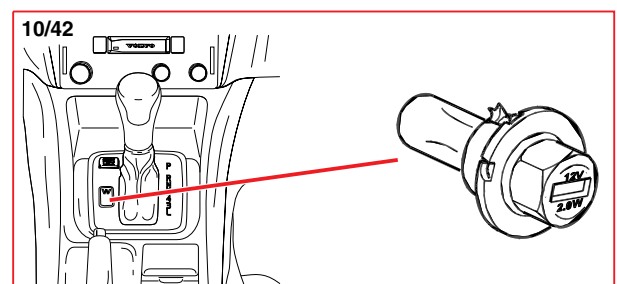
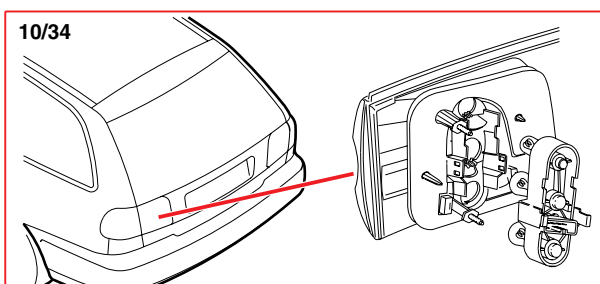
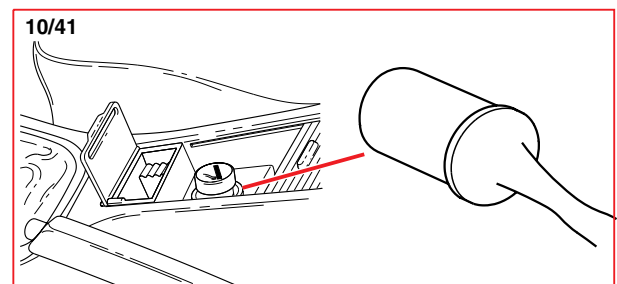
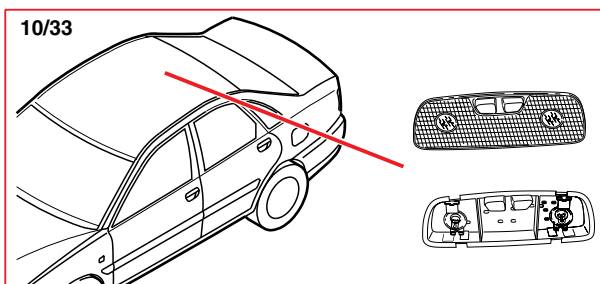
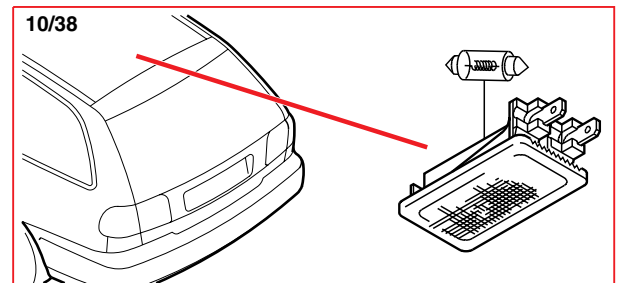
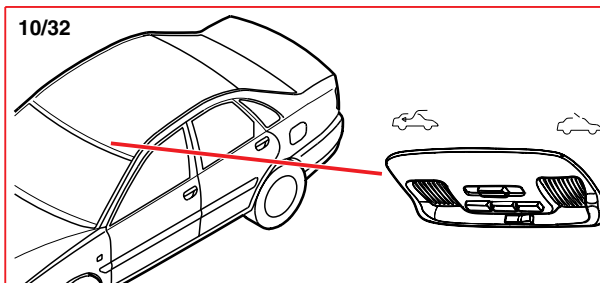
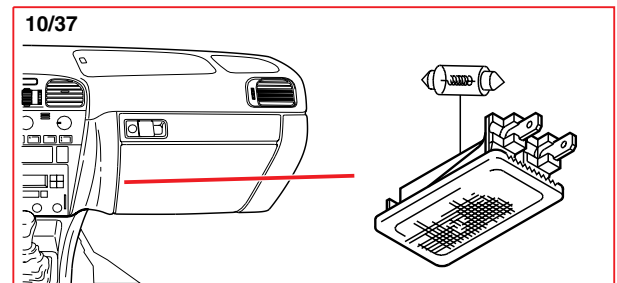
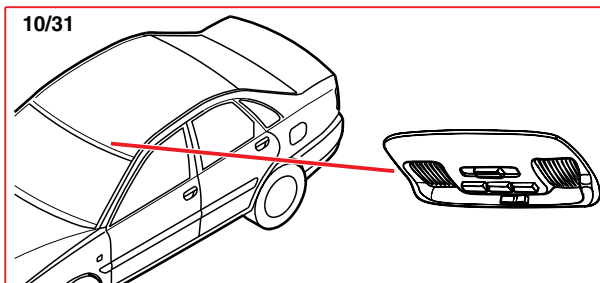
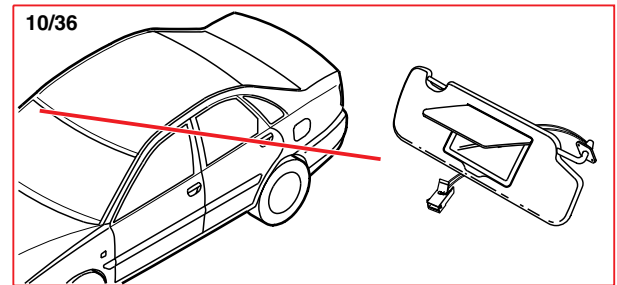
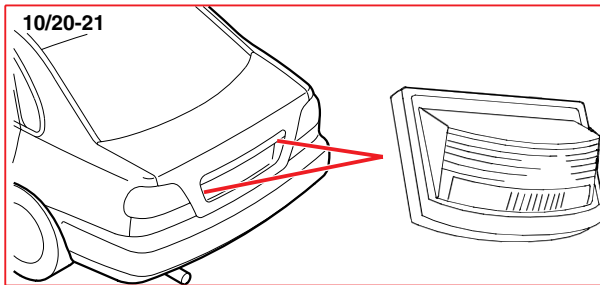
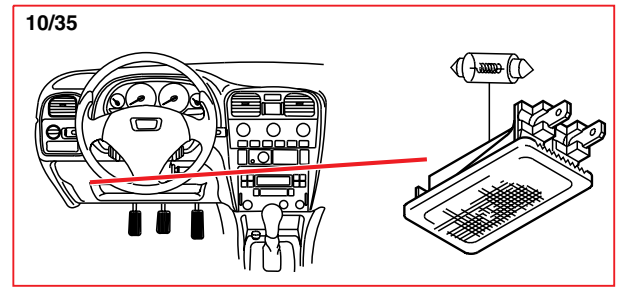
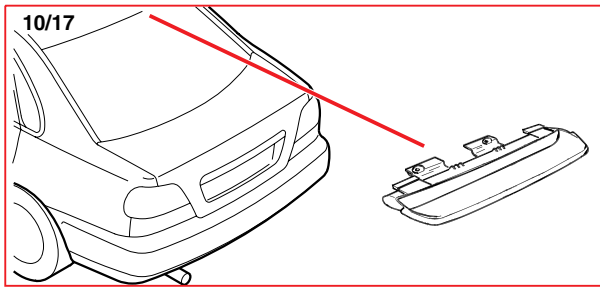


Component illustrations

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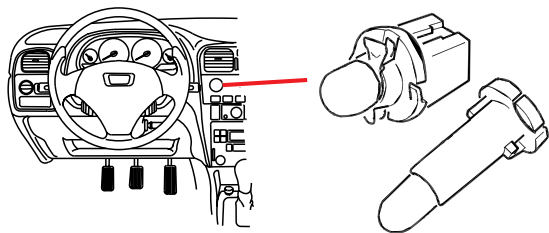
Component illustrations 10/17 - 10/42



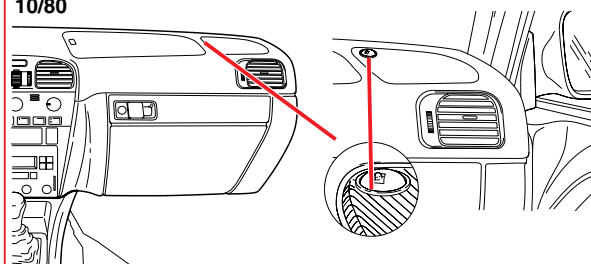
Component illustrations

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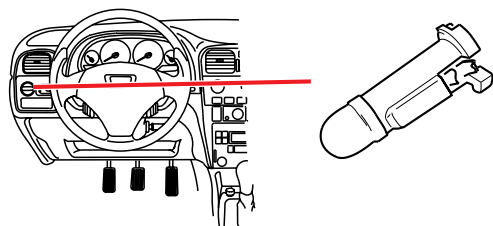
10/44



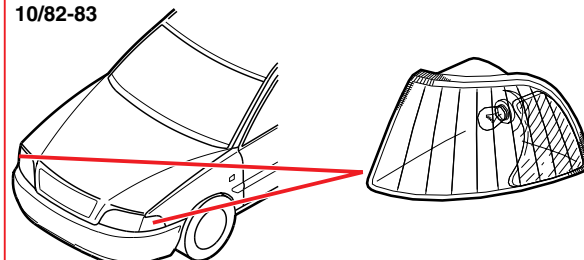
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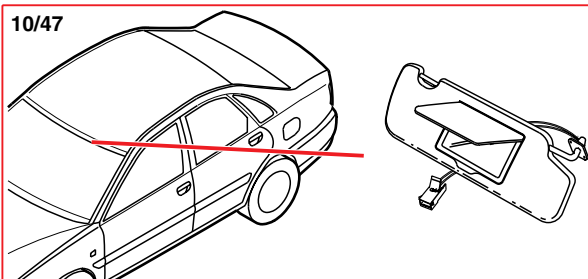
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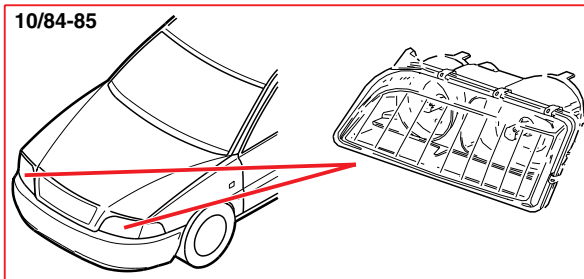
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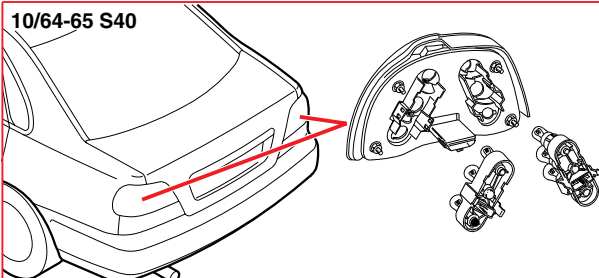
10/47



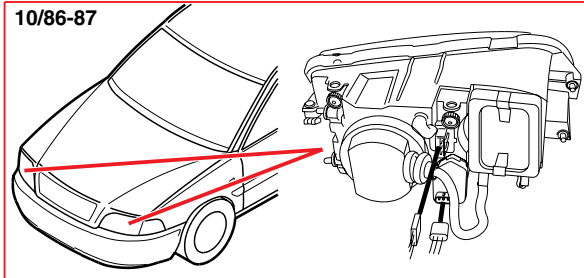
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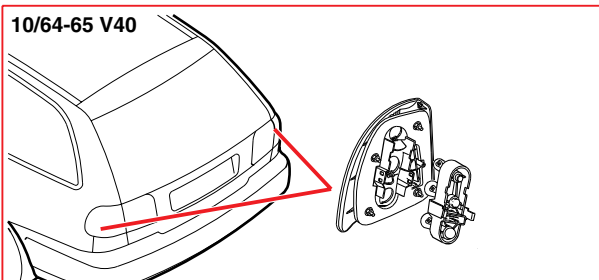
10/64-65 S40



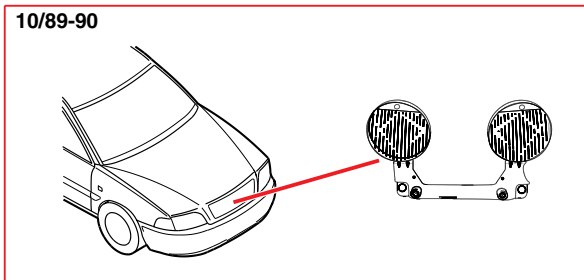
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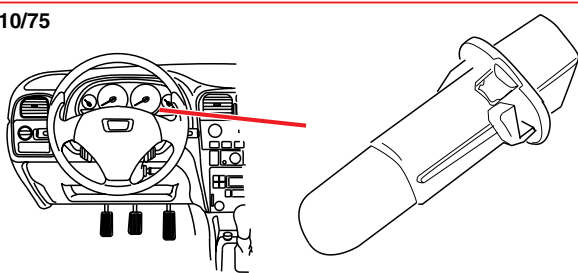
10/64-65 V40



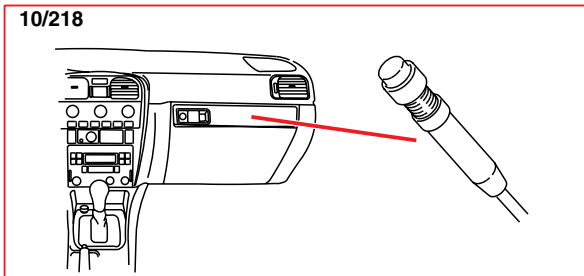
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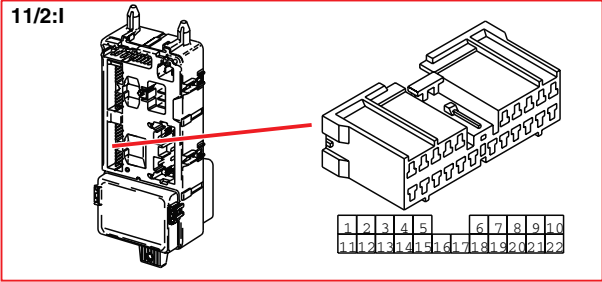
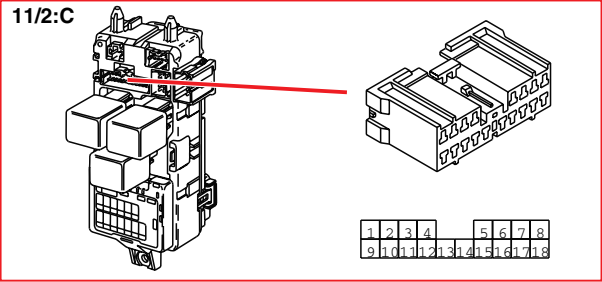
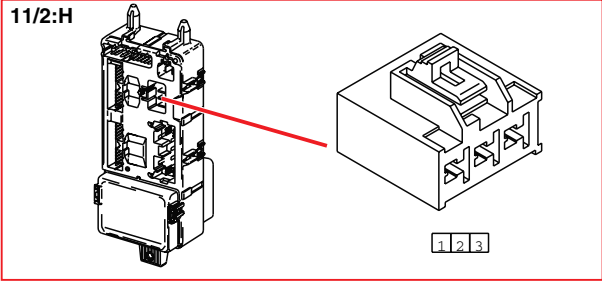
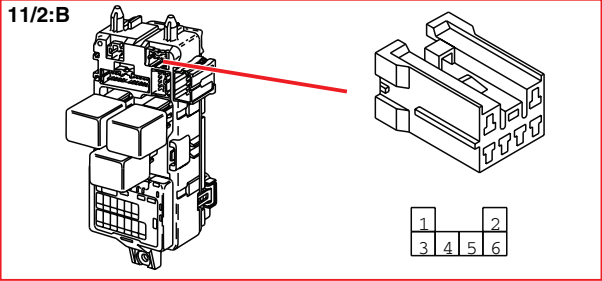
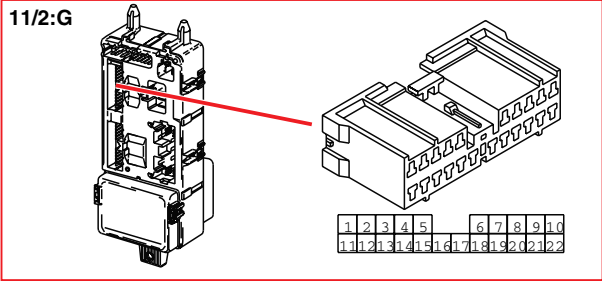
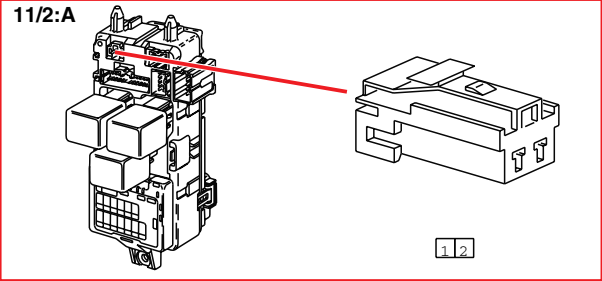
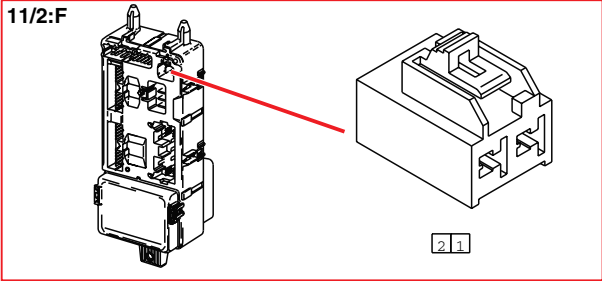
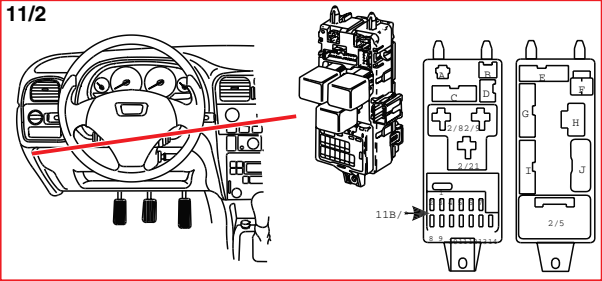
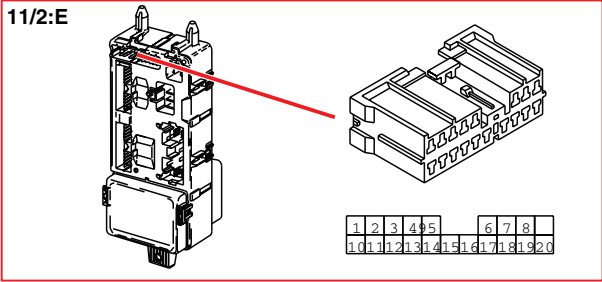
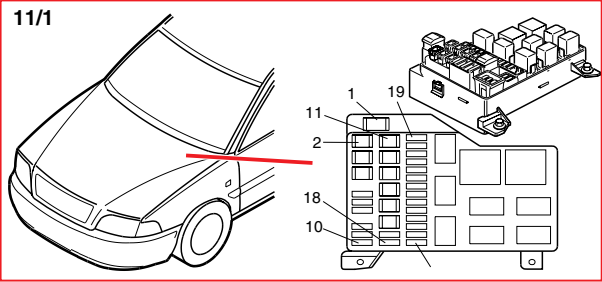
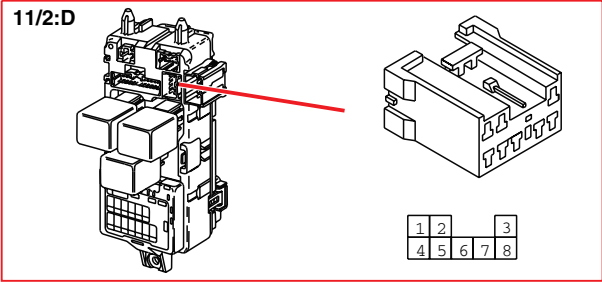
10/75



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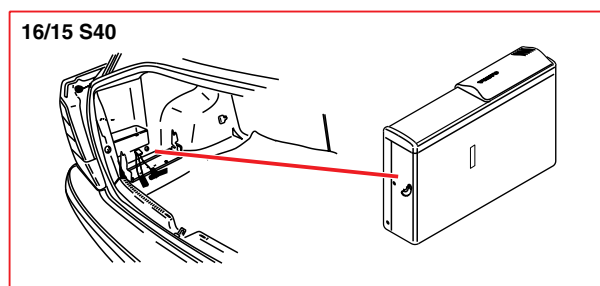
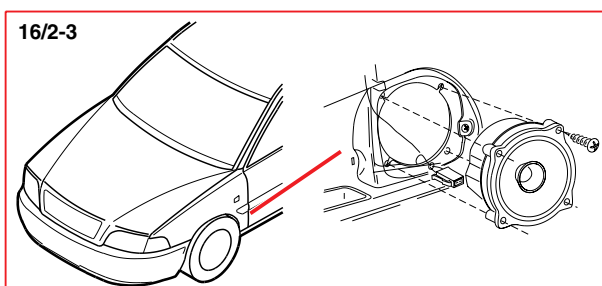
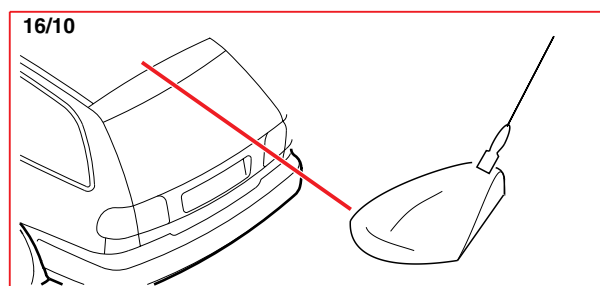
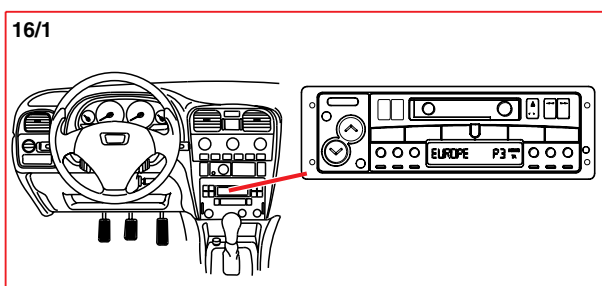
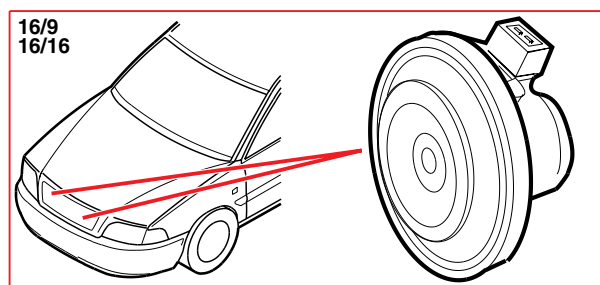
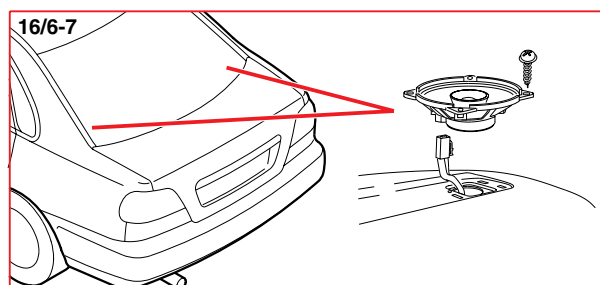
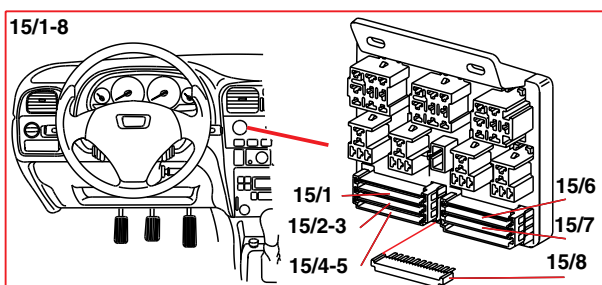
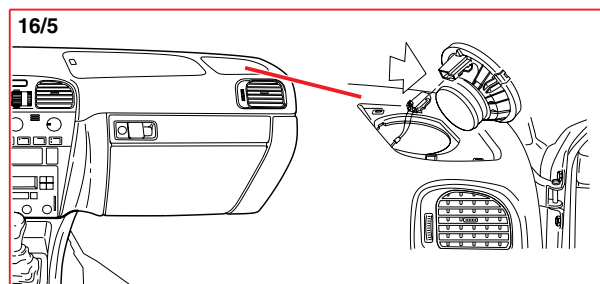
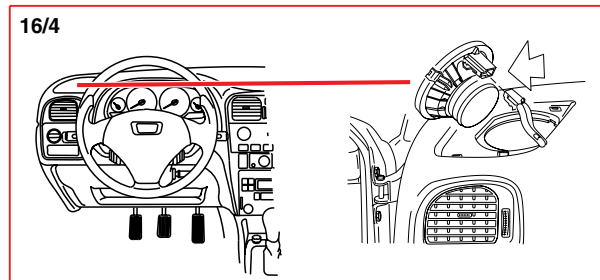
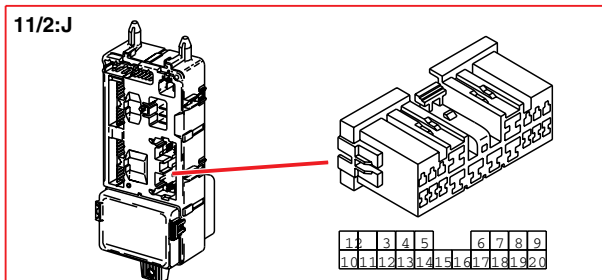


Component illustrations
11/1 - 11/2:I

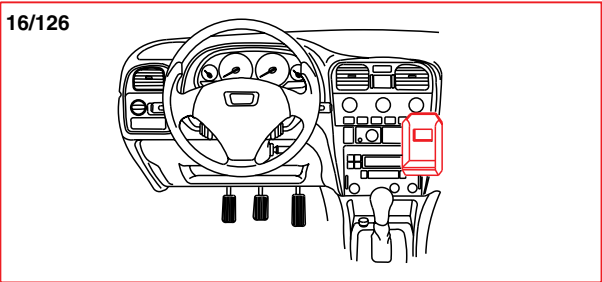
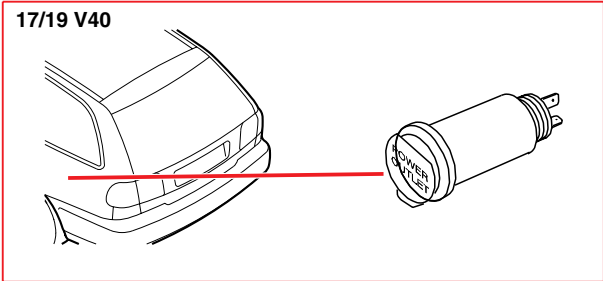
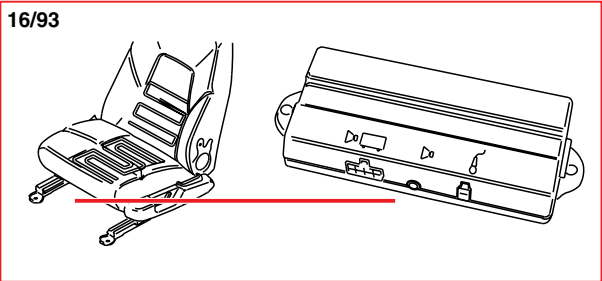
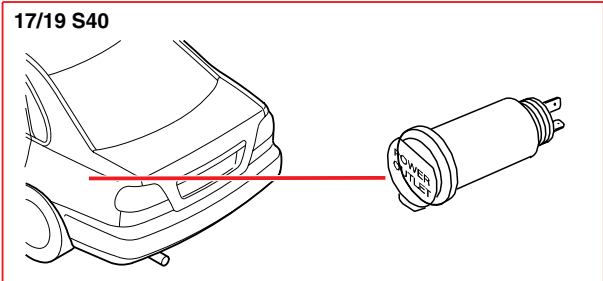
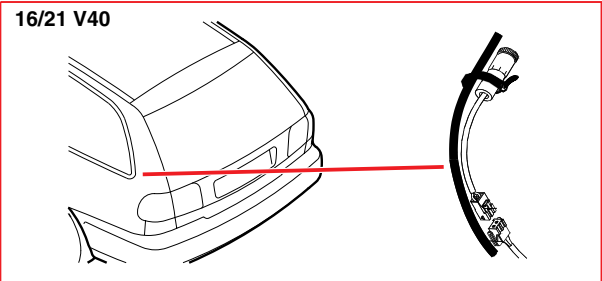
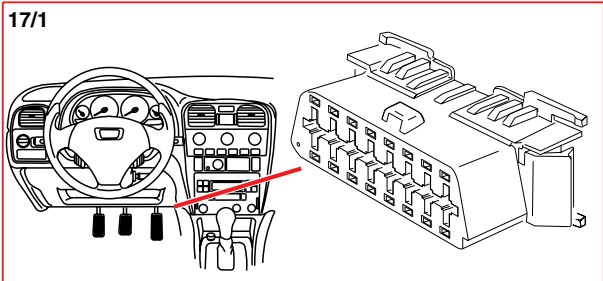
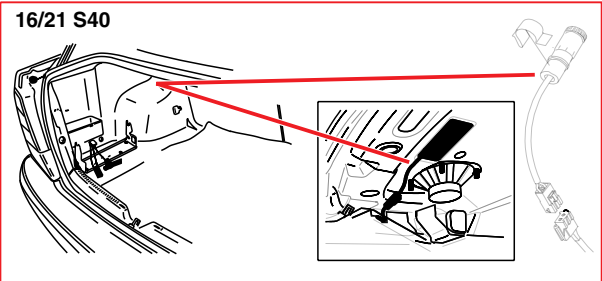
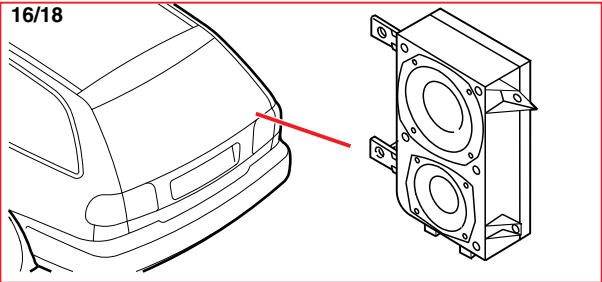
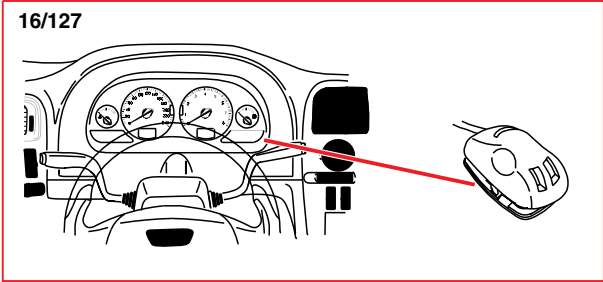
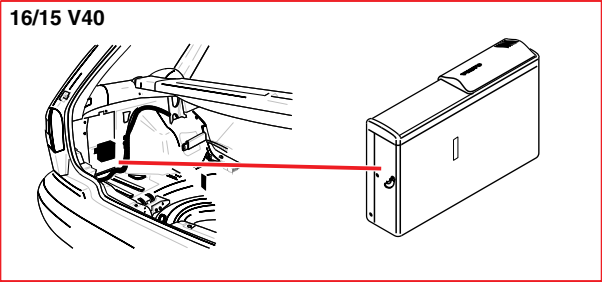


Component illustrations

11/2:J - 16/15 S40

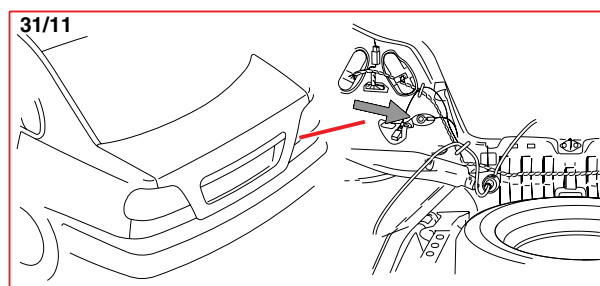
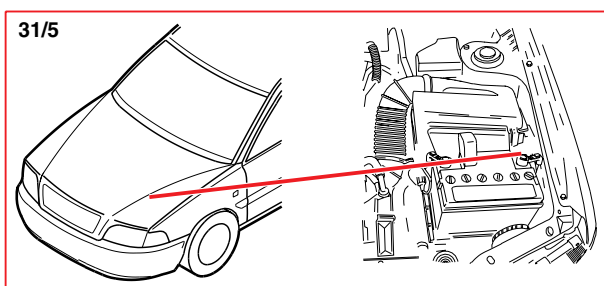
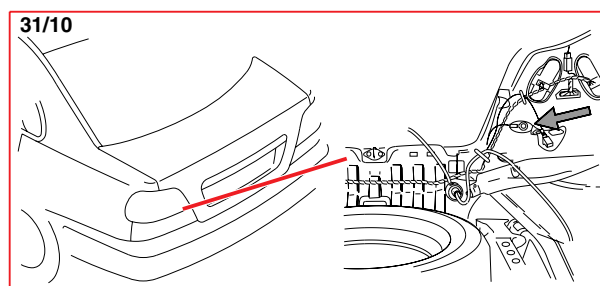
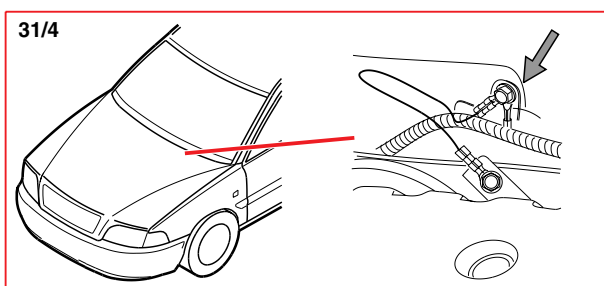
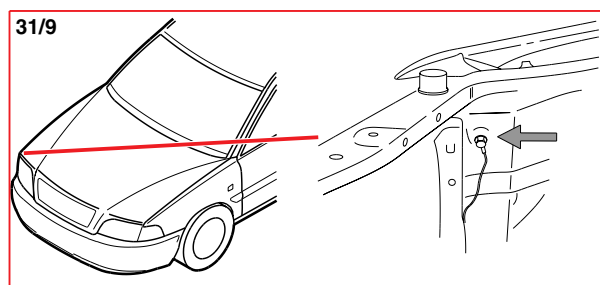
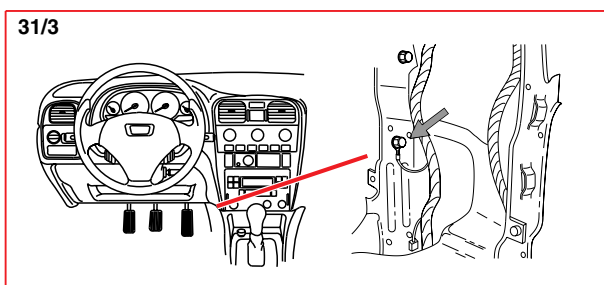
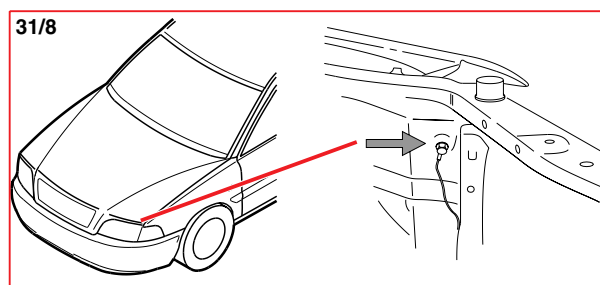
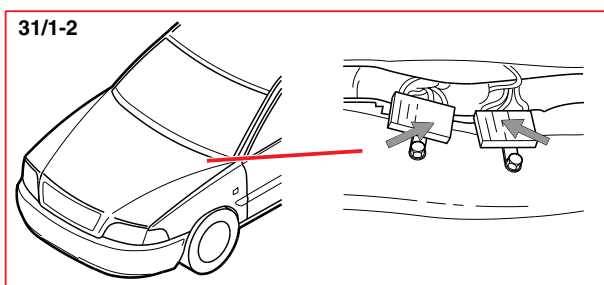
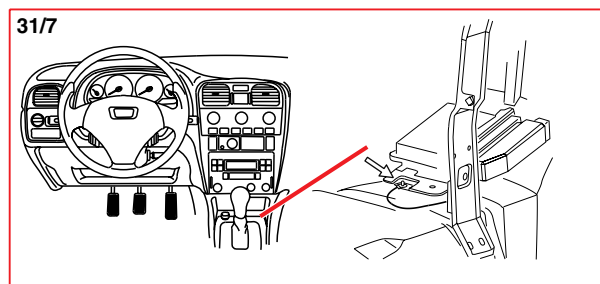
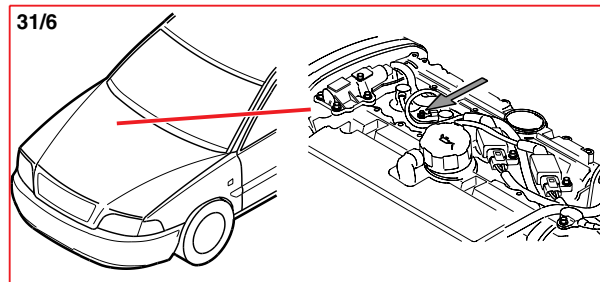
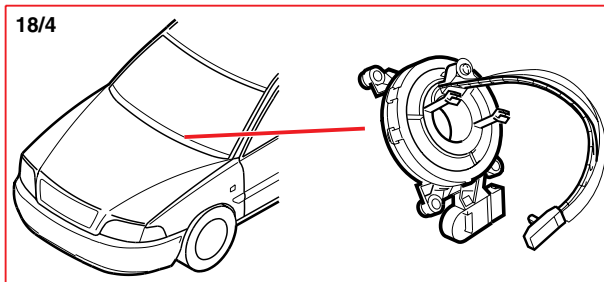


Component illustrations
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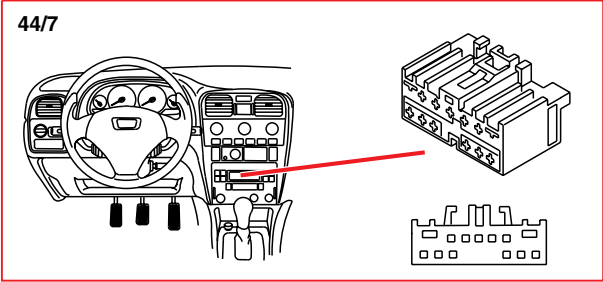
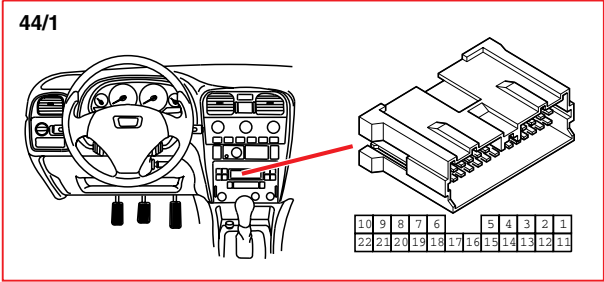
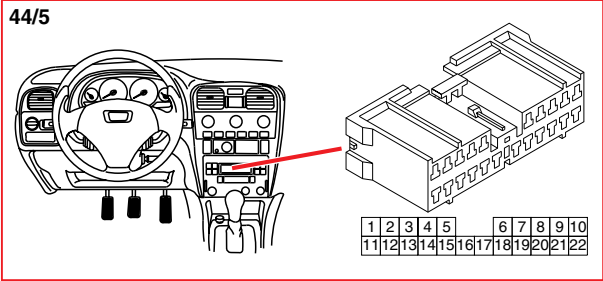
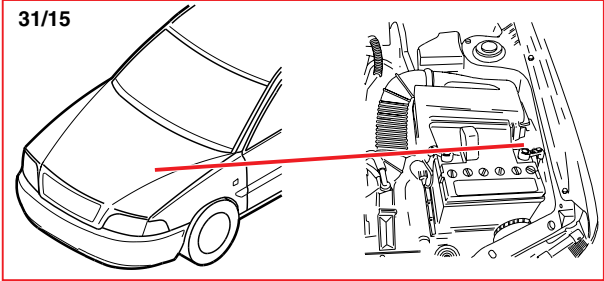
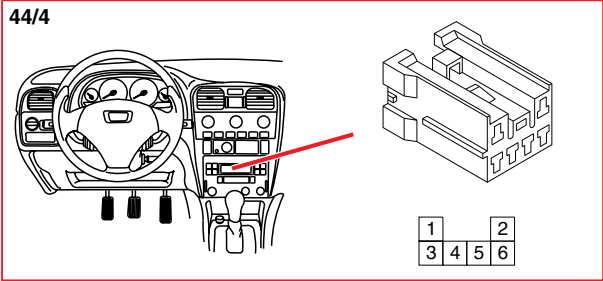
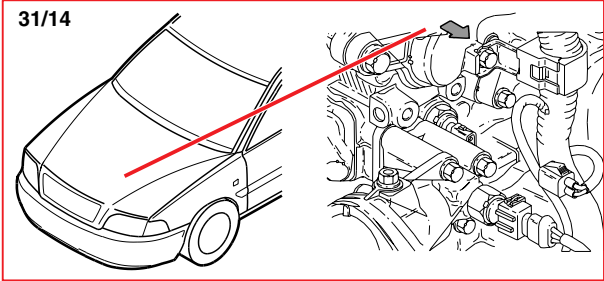
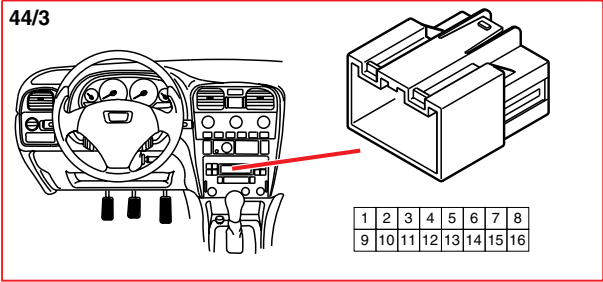
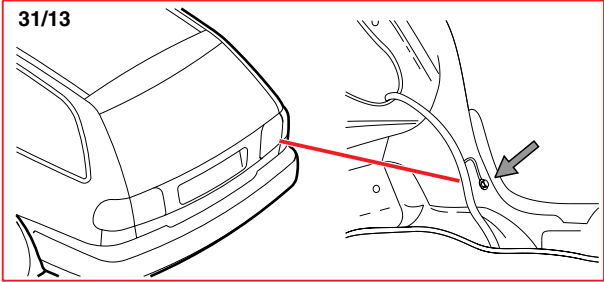
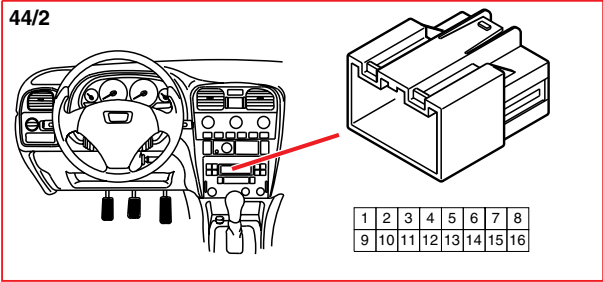
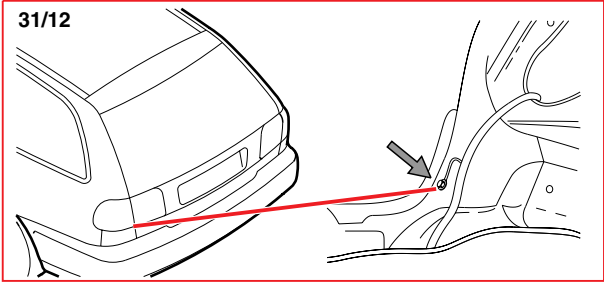


Component illustrations

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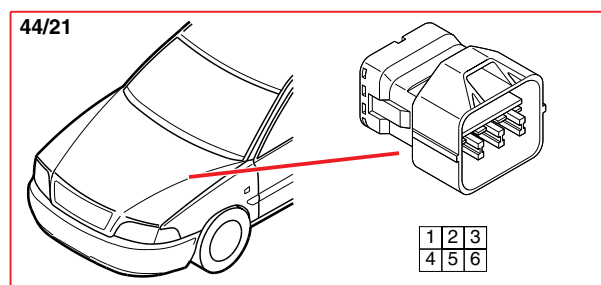
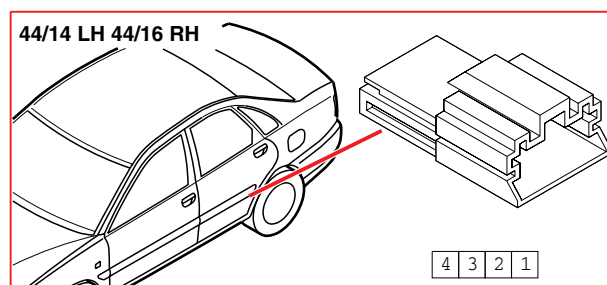
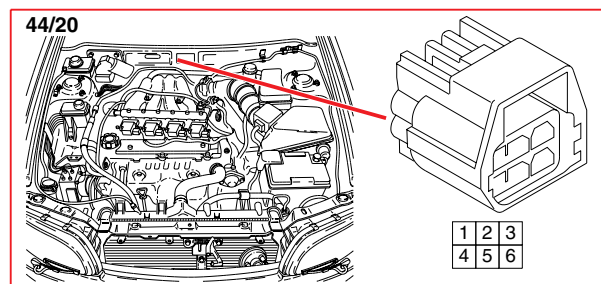
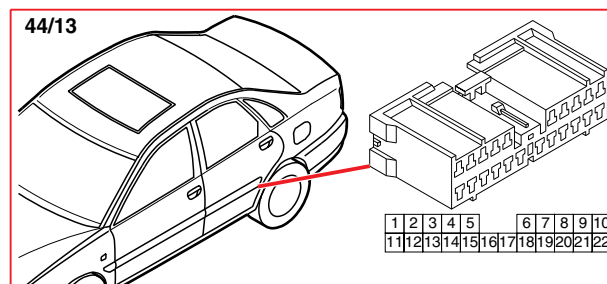
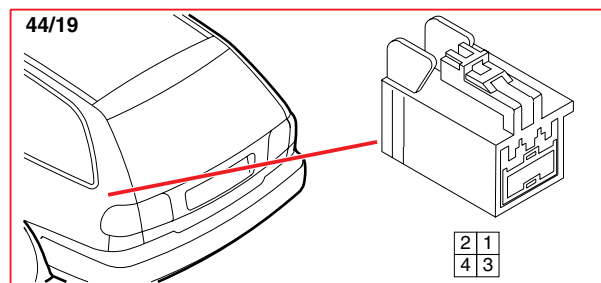
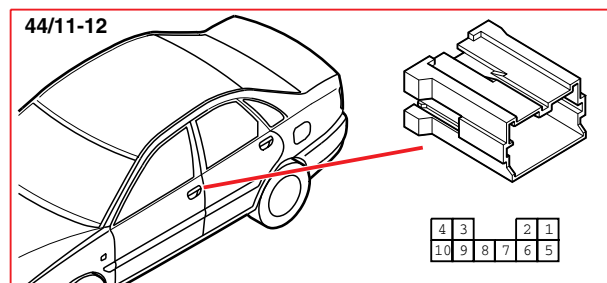
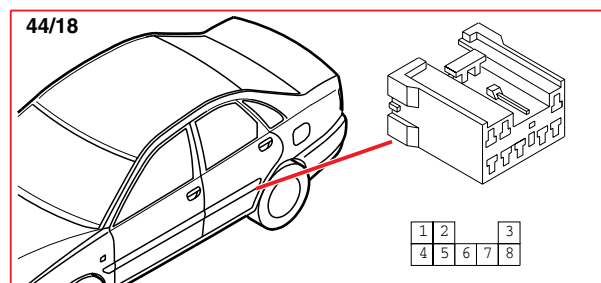
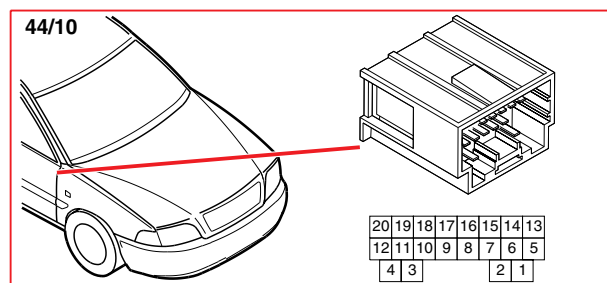
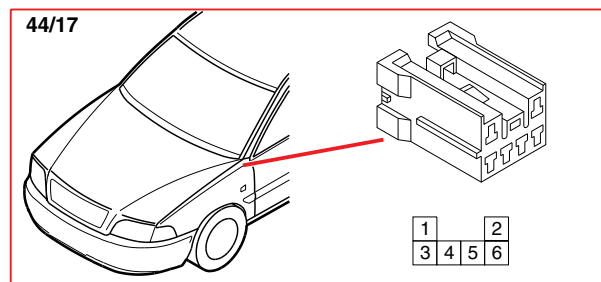
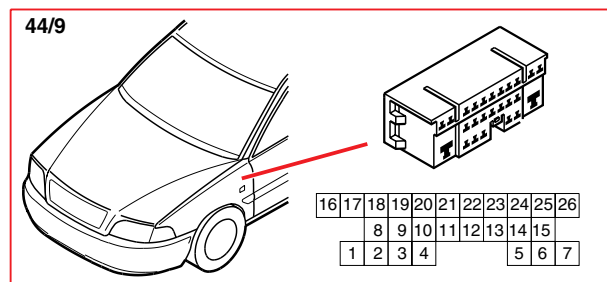
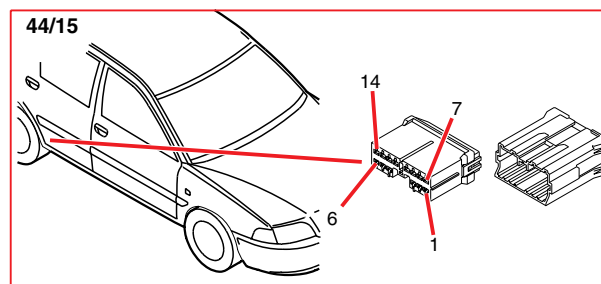
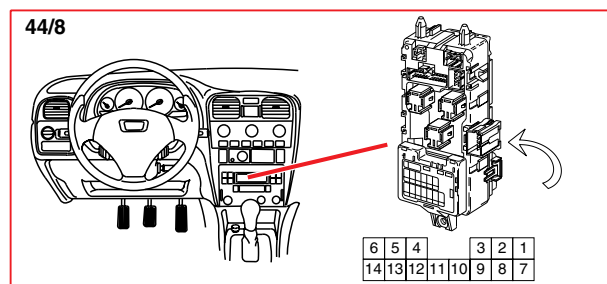


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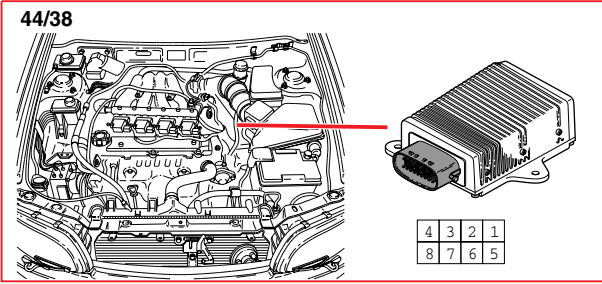
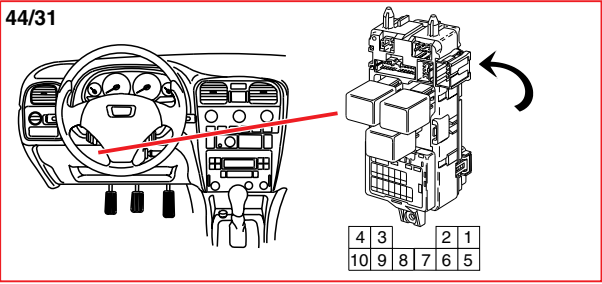
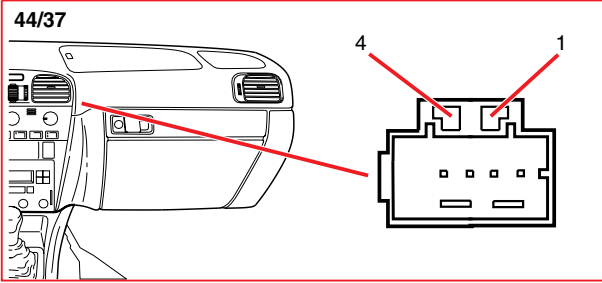
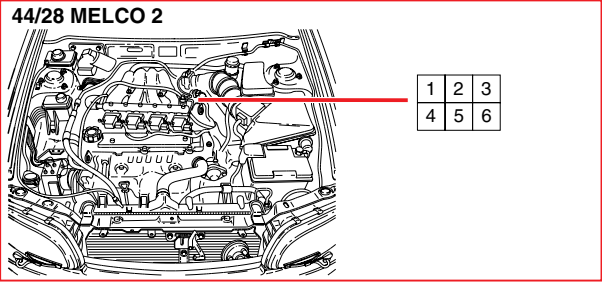
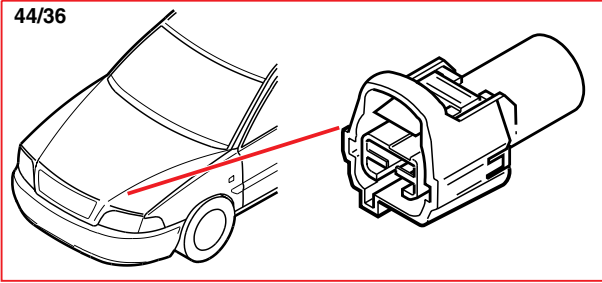
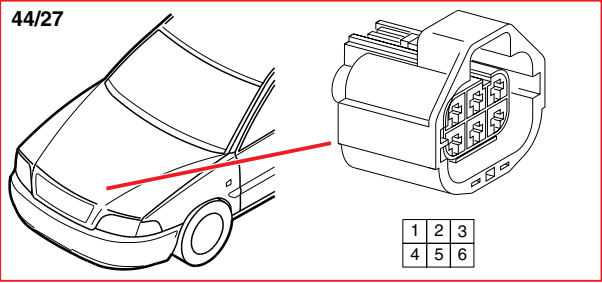
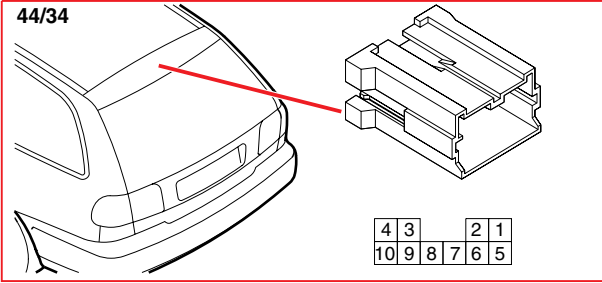
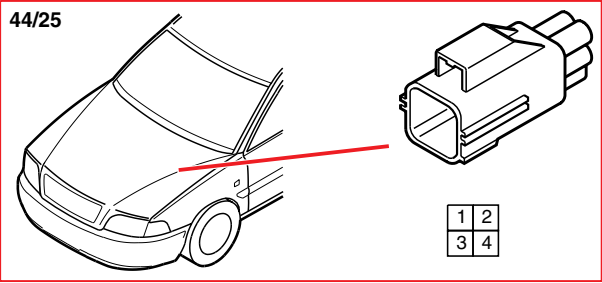
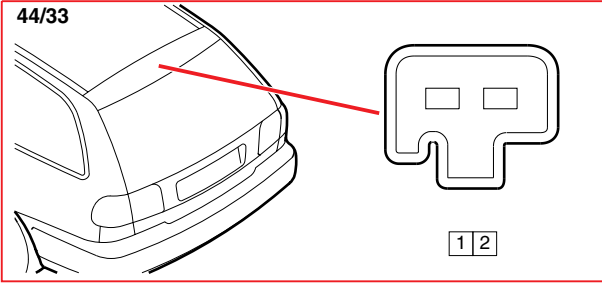
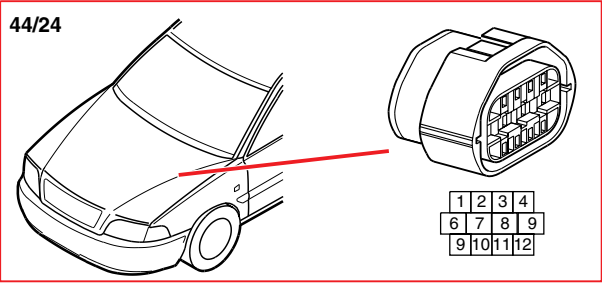
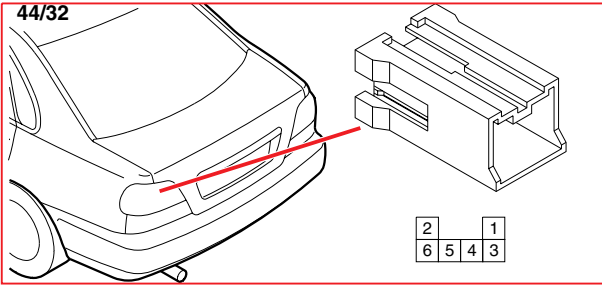
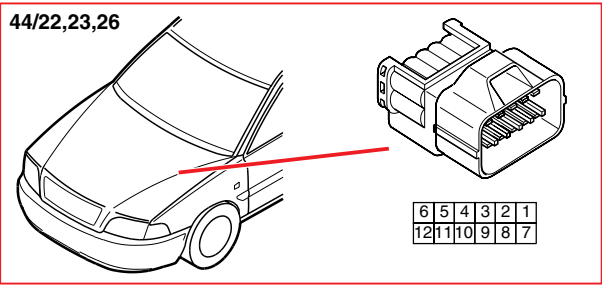


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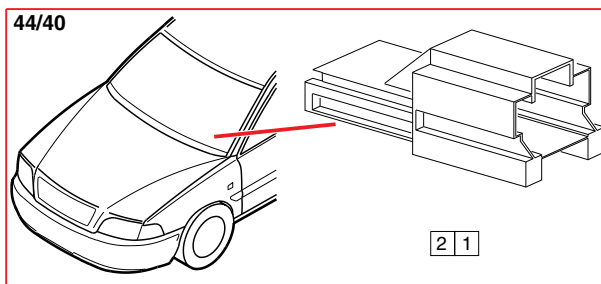
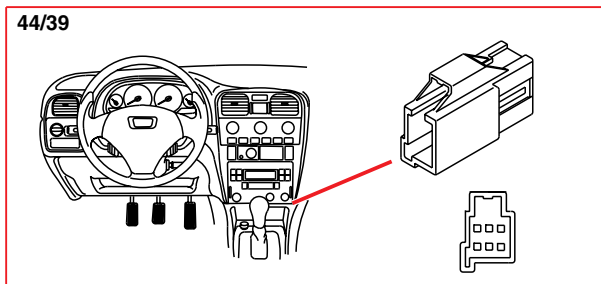


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