

WIRING DIAGRAM

Section 3 (39)
S40/V40
2002

TP 3959202

Abbreviations	3
How to use the wiring diagram	4

Electrical distribution

Overview	6
----------------	---

Fuses

Engine compartment 11A/1-7	8
Engine compartment 11A/8-10	9
Engine compartment 11A/11-15	10
Engine compartment 11A/17-22	11
Engine compartment 11A/23-31	12
Passenger compartment 11B/7-10	14
Passenger compartment 11B/11-14	15

Relays

Engine compartment 1-9, misc.	16
Passenger compartment 1-7, misc.	17

Distribution rails

15/1 - 15/2	18
15/3 - 15/4	19
15/5 - 15/6	20
15/7 - 15/8	21
Ignition switch	22

Ground connection

31/1 - 31/4	23
31/5 - 31/9	24
31/10 - 31/15	25

Control modules

Overview	26
----------------	----

Group 23

Engine management system, EMS 2000	28
Engine management system, EMS 2000 Turbo	30
Engine management system, Bifuel	32
Engine management system, Melco 2	34
Engine management system, Diesel	36

Group 26

Electric cooling fan/AC compressor, EMS 2000	38
Electric cooling fan/AC compressor, Melco 2	39
Electric cooling fan/AC compressor, Diesel	40

Group 27

Cruise control, EMS 2000	41
Cruise control, Melco 2	42
Cruise control, Diesel	43

Group 32, 33

Charging circuit, Starting circuit	44
--	----

Group 35

High and low beams, Fog lights	45
Parking lights/side marker lights and license plate lighting	46
Reversing and brake lights, filament monitor	47
Interior lighting, power sunroof and key-inserted reminder	48

Group 36

Beam length adjustment	50
Instrument and control lighting	51
Indicators and warning lights	52
Wipers/washers, windshield, headlights and rear window	53
12V outlet and horn	54
Electronic immobilizer	55

Group 37

Diagnostics system	56
--------------------------	----

Group 38

Seat belt reminder	57
Combined instrument panel	58

Group 39

Radio	59
-------------	----

Group 43, 52

Automatic transmission/Vacuum pump EMS 2000	60
---	----

Group 59

ABS, DSA	61
----------------	----

Group 83, 36

Central locking and anti-theft alarm EU/OS	62
Central locking and anti-theft alarm USA	64

Group 83, 84

Power windows and door mirrors	65
--------------------------------------	----

Group 84

Heated rear window and door mirrors	66
---	----

Group 85

Heated seats	67
Power seats	68

Group 87

Climate control system	69
------------------------------	----

Order number TP 3959202
Replaces previous manual TP 3959201

Contents

Group 88

Supplemental Restraint System (SRS).....	70
Towing bracket wiring.....	71

Connectors

44/1 EMS 2000	72
44/1 Melco 2	73
44/1 Diesel.....	74
44/1 Bifuel.....	75
44/2 Melco 2	76
44/3 - 44/4.....	77
44/5 - 44/6.....	78
44/7 - 44/8.....	79
44/9	80
44/10	81
44/11 - 44/12.....	82
44/13	83
44/14 - 44/16.....	84
44/17 - 44/19.....	85
44/20 - 44/22.....	86
44/22 - 44/23.....	87
44/24 - 44/25.....	88
44/26 - 44/28.....	89
44/31 - 44/33.....	90
44/34 - 44/37.....	91
44/38 - 44/40.....	92

Junction points

43/300 - 43/308.....	93
43/309 - 43/318.....	94
43/319 - 43/328.....	95
43/329 - 43/338.....	96
43/339 - 43/348.....	97
43/349 - 43/359.....	98
43/360 - 43/369.....	99
43/370 - 43/379.....	100
43/380 - 43/384.....	101
43/385 - 43/400.....	102
43/401 - 43/410.....	103
43/411 - 43/422.....	104
43/423 - 43/432.....	105
43/433 - 43/601.....	106
43/602 - 43/611.....	107
43/612 - 43/621.....	108

Cable harness routing in vehicle

Passenger compartment harness - Dashboard harness.....	109
Engine and engine compartment harness EMS 2000 - Passenger compartment harness.....	110
Engine and engine compartment harness Melco 2 - Passenger compartment harness.....	111
Engine and engine compartment harness Diesel - Passenger compartment harness.....	112
Engine compartment harness EMS 2000	113
Engine compartment harness Bifuel	114
Engine compartment harness diesel.....	115
Engine compartment harness Melco 2.....	116
Front door harness, Rear door harness.....	117
Roof harness	118
Rear harness, Cargo compartment harness S40	119
Tailgate harness, Rear harness V40	120

Component illustrations

1/1 - 2/21	121
2/23 - 2/50	122
3/1 - 3/12.....	123
3/13 - 3/24	124
3/25 - 3/51	125
3/53 - 4/6.....	126
4/9 - 4/33.....	127
4/35 - 6/1	128
6/2 - 6/14.....	129
6/15 - 6/45	130
6/46 - 7/7	131
7/9 - 7/26.....	132
7/26 - 7/47	133
7/49 - 7/56	134
7/58 - 7/72	135
7/73 - 8/2.....	136
8/3 - 8/24.....	137
8/25 - 8/42	138
8/43 - 10/4	139
10/13 - 10/41	140
10/42 - 11/1	141
11/2 - 15/8	142
16/1 - 31/3	143
31/4 - 31/15.....	144
44/1 - 44/13.....	145
44/14 - 44/27	146
44/28 - 44/40	147

List of components

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

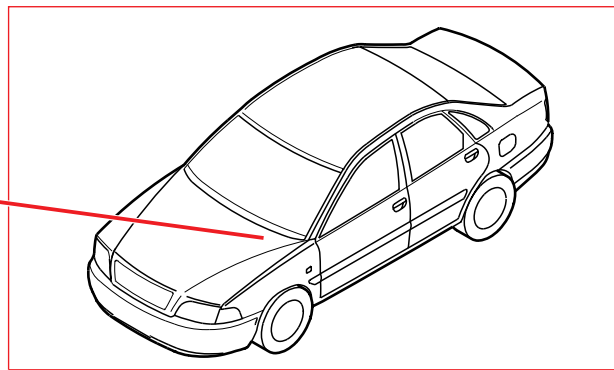
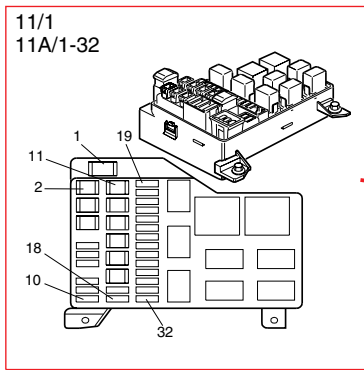
ABS	= Anti-lock Brake System
AC	= Air conditioning
AUTO	= Automatic transmission
D	= Driver
DIESEL	= Diesel
ECC	= Electronic climate control system
EMS 2000	= EMS 2000 Engine management system
FL	= Front left
FR	= Front right
HL	= High level of equipment
L	= Left
LHD	= Left-hand drive
LL	= Standard level of equipment
LPG	= Liquefied petroleum gas
MAN	= Manual transmission
MELCO	= Melco engine management system
P	= Passenger
PETROL	= Gasoline
R	= Right
REC	= Receiver
RHD	= Right-hand drive
RL	= Rear left
RR	= Rear right
SRS	= Airbag
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

Fuses

Engine compartment 11A/1-7

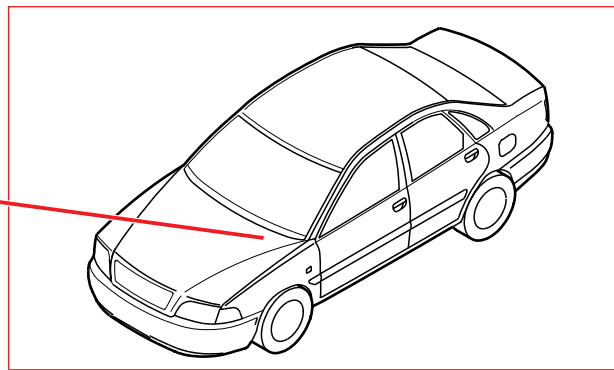
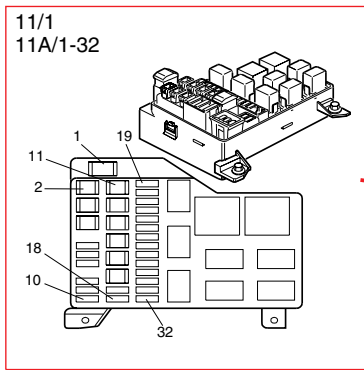


11A Fuses in the engine compartment

No.	Fuse function	A
1	Fuses in engine compartment 11A/2-10 Glow plug 9/9 via 2/36 Generator 6/7	120
2	Fuses in passenger compartment, 11B/1-2 Fuses in passenger compartment, 11B/8 Fuses in passenger compartment, 11B/13	40
3	Coolant heater 1 9/14_1 Diesel via 2/37	30
4	Coolant heater 2 9/14_2, via 2/38 Diesel	30
5	Heated rear window 9/2 via 2/9 Heated door mirror, driver's door 9/7 via 2/9 Heated door mirror, passenger door 9/8 via 2/9 Switch unit, power windows/door mirrors, driver's door 3/33 via 2/9	25
6	Power driver's seat 8/25	25
7	Power passenger seat 8/26	25
	continues	

Fuses

Engine compartment 11A/8-10

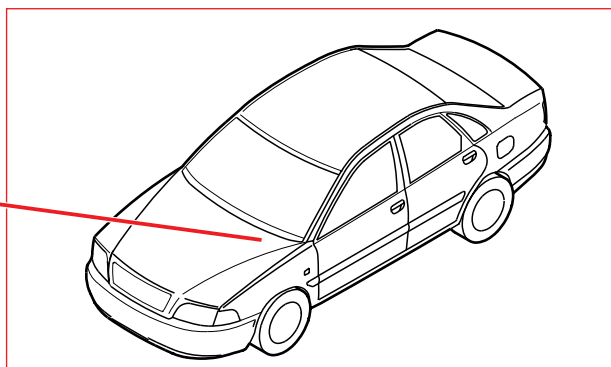
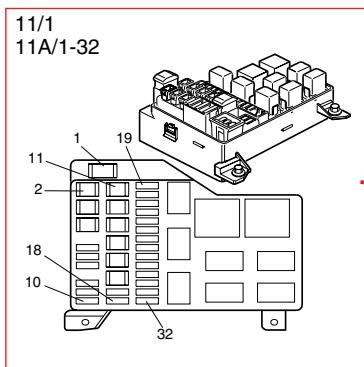


11A Fuses in the engine compartment

No.	Fuse function	A
8	Combined instrument panel 5/1 Engine management system 4/26 Melco 2 Alarm siren 8/35 Control module, key-inserted reminder/seat belt reminder 4/35 via 3/58 Control module for locks and alarm, VGLA 4/39 via 3/58 Courtesy lighting 10/35 Glove compartment lighting 10/37 Ceiling light for HL with reading lights 10/31 Reading lights, rear 10/33 Lighting, vanity mirror, passenger side 10/36 Lighting, vanity mirror, driver's side 10/47 Climate Control Module CCM 4/9 Ceiling light for LL 10/32 Cargo compartment lighting 10/38 Power antenna 6/14	10
9	Receiver VGLA 4/40 Control module for locks and alarm, VGLA 4/39 Control module, ultrasonic glass breakage sensor 4/41 RL child safety lock 6/34 via 4/39 RR child safety lock 6/35 via 4/39 Central locking with deadlock 6/36-37 via 4/39 Central locking with deadlock, rear 6/38-39 via 4/39 Central locking 6/28-29 via 4/39 Central locking, rear 6/30-31 via 4/39 Central locking, trunk lid/tailgate 6/32 via 4/39 Lock motor, fuel filler flap 6/55 via 4/39	20
10	Radio 16/1	15
	continues	

Fuses

Engine compartment 11A/11-15

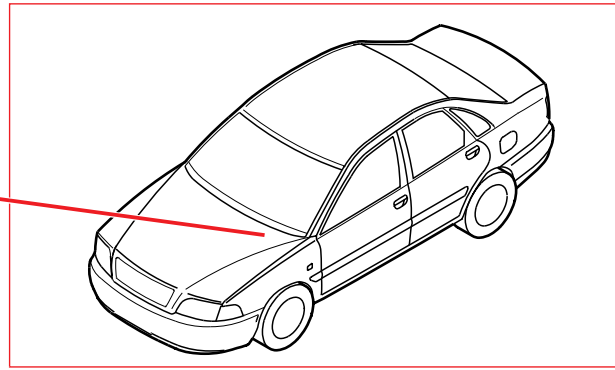
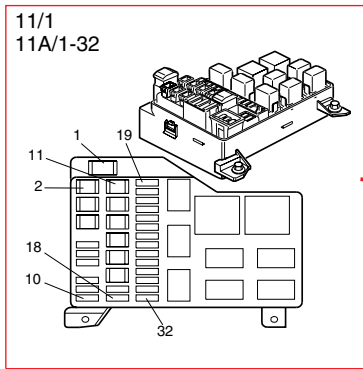


11A Fuses in the engine compartment

No.	Fuse function	A
11	Fuse protection for 11A/17-18 via 2/14 Control module, electronic immobilizer 4/18 Engine management system 4/26 Engine management system main relay 2/14 Mass airflow sensor MAF 7/50 Ignition coils 4/30 Injectors 8/6-8/9 CVVT valve 8/32 Control module, fuel system 4/33 via 2/30 IGF sensor 7/64 via 2/30 Control module, fuel throttle body 4/50 via 2/32 Engine fuel throttle body 6/56 via 4/50 Relay, speed 1, electric cooling fan 2/11 via 2/14 Diesel Relay, speed 2, electric cooling fan 2/28 via 2/14 Diesel Camshaft position sensor 7/27 via 2/14 Crankshaft position sensor 7/56 Fuel line pressure regulator 8/38 via 2/14 Turbocharger control valve 8/23 via 2/14	20
12	Switch unit, power window, passenger door 3/34 via 2/18 Motor, power window, passenger door 6/18 via 2/18, 3/34 Switch unit, power windows/door mirrors, driver's door 3/33	30
13	Relay, speed 1, electric cooling fan 2/11 Motor, electric cooling fan 6/9 via 2/11 Motor, two-speed cooling fan 6/26 via 2/28 Relay, speed 2, electric cooling fan 2/28	30
14	Relay, starter motor 2/7 via 3/1 Starter motor 6/6 via 2/7 Ignition switch 3/1 Control module, electronic immobilizer 4/18 via 8/16, 2/7, 3/1	40
15	ABS control module 4/28	50
continues		

Fuses

Engine compartment 11A/17-22

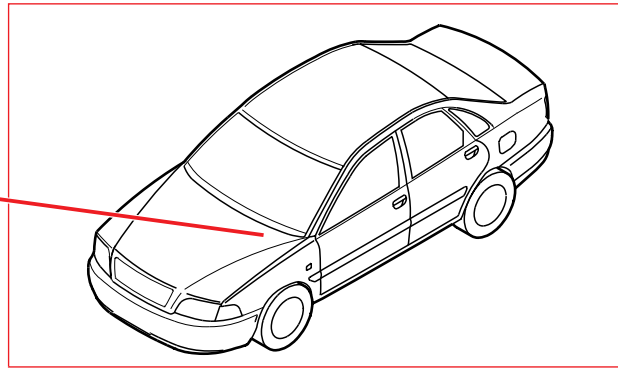
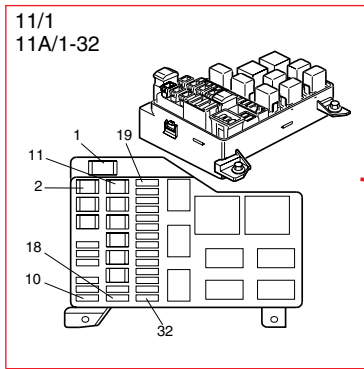


11A Fuses in the engine compartment

No.	Fuse function	A
17	Fuel pump 6/13 Fuel pump relay 2/31 Bifuel Fuel preheater 9/10 Diesel	15
18	EVAP valve 8/24 Heated oxygen sensor, rear 7/47 Sensor, air pressure/temperature/flow 7/60 Crankcase breather 9/12 EGR valve 8/13 Relay, coolant heater 2 2/38 Relay, coolant heater 1 2/37 Heated oxygen sensor, front 7/15 Idling valve 8/2 Turbocharger control valve 8/23 Leakage Diagnostic Pump (LDP) 7/78 USA Heated oxygen sensor LPG 7/85 Relay, vacuum pump, automatic transmission, 2/34 Mass airflow sensor MAF 7/50 Engine stopping damper valve 8/36 Pressure monitor, vacuum pump, automatic transmission 7/67	10
19	FL fog light 10/13 via 4/38 FR fog light 10/14 via 4/38 Indicator light, fog light 10/73-74 via 4/38 Fog light, rear driver's side 10/30 via 4/38	20
21	LH low beam 10/7 via 4/38 LH headlight, Xenon 10/86 via 4/38	15
22	RH low beam 10/8 via 4/38 RH headlight, Xenon 10/87 via 4/38	15
continues		

Fuses

Engine compartment 11A/23-31

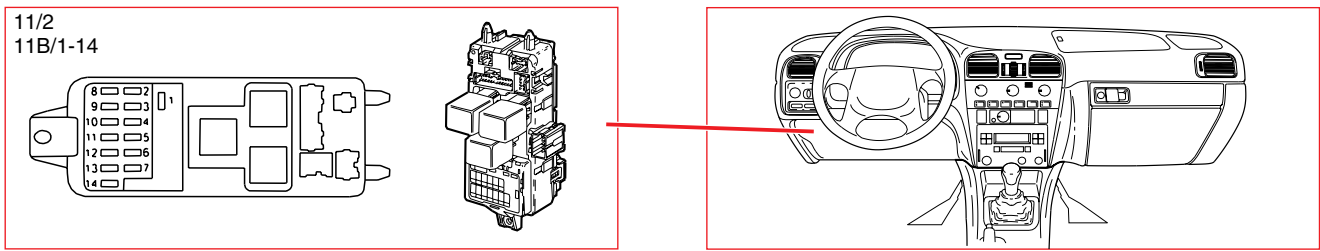


11A Fuses in the engine compartment

No.	Fuse function	A
23	RL parking light 10/24-25 via 4/38 Front parking light 10/5-6 via 4/38	10
24	Side marker light, front 10/11-12 via 4/38 Side marker light, rear 10/28-29 via 4/38 Tail light 10/26-27 via 4/38 License plate lighting 10/20-21 via 4/38 Motor, beam adjustment 6/15-16 via 4/38 Control, beam adjustment 3/19 via 4/38 Control module, xenon lamps 4/6 via 4/38 Engine management system 4/26 via 4/38 Melco 2	10
25	Transmission Control Module TCM 4/27 Control module LPG 4/75 Fuel cut-off valve DFCO 8/41 via 2/50 Cut-off valve, engine 8/42 via 2/50 Cut-off valve, tank 8/43 via 2/50	10
26	Generator 6/7	10
27	Accessory outlet, rear	15
28	High beam 10/9-10/10 Indicator light, high beam 10/62	15
29	Horn relay 2/35 Horn 1 16/9 via 2/35 Horn 2 16/16 via 2/35	15
30	Relay, AC compressor 2/10 Solenoid clutch, AC compressor 8/1 via 2/10 Relay, AC condenser fan 2/13 AC condenser fan 6/27 via 2/13	15
31	Vacuum pump, automatic transmission 6/54 via 2/34	15

Fuses

Passenger compartment 11B/7-10

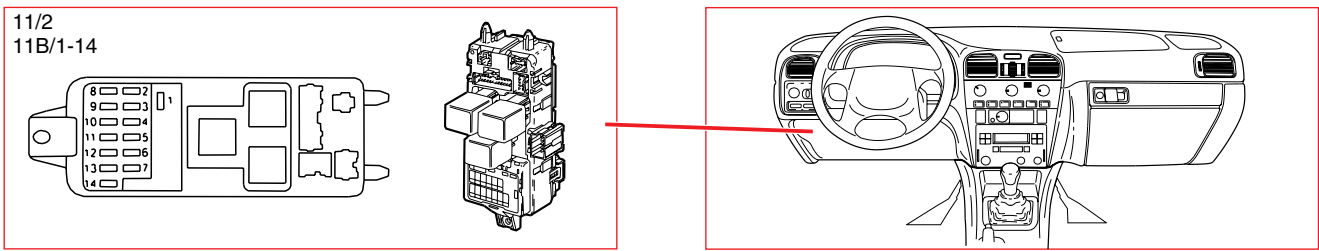


11B Fuses in passenger compartment

No.	Fuse function	A
7	Control module, cruise control, 4/5 Relay, shift lock 2/23 via 3/51 Control module for locks and alarm, VGLA 4/39 Control module LPG 4/75 Relay, LPG 2/50 Switch, gas/gasoline drive 3/63 Bifuel	10
8	Control module for locks and alarm, VGLA 4/39:A26 Lamp housing, rear 10/64, 10/65 Front direction indicators 10/1-2 via 4/39 Direction indicators, front fenders 10/3-4 via 4/39 Relay, direction indicators 2/21 via 3/5	15
9	Relay, cigarette lighter 2/41 Radio 16/1 Bass speaker 16/18	15
10	Windshield wiper motor 6/1 via 3/11 Rear window wiper motor 6/11 via 4/38 Windshield washer pump 6/2 via 3/21 RH headlight wiper motor 6/3 via 3/21	20
	continues	

Fuses

Passenger compartment 11B/11-14

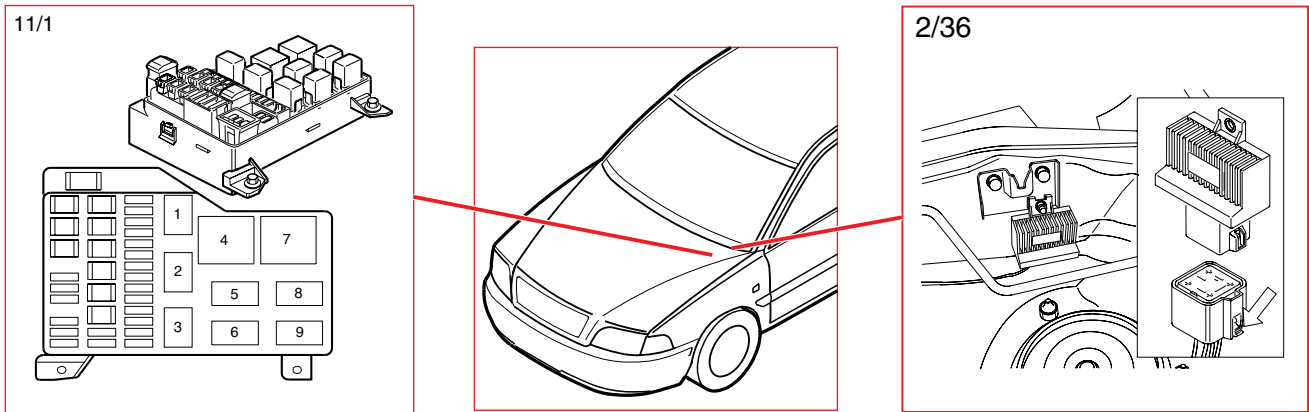


11B Fuses in passenger compartment

No.	Fuse function	A
11	Engine management system main relay 2/14 Engine management system 4/26 Control module, electronic immobilizer 4/18 Combined instrument panel 5/1 Relay, fuel injection/ignition 2/30-2/31 Control module, Dynamic Stability Assistance (DSA) 4/3 Transmission Control Module TCM 4/27 Control module, Supplemental Restraint System (SRS) 4/4	10
12	Control module, power sunroof 4/11 Sunroof motor 6/5 via 4/11 Control module, key-inserted reminder/seat belt reminder 4/35 Alarm siren 8/35:1 Relay, heated rear window/door mirrors 2/9 Relay, passenger compartment fan 2/8	15
13	Central Electronic Module CEM 4/38 via 3/51 Brake lights 10/15-10/16 Auxiliary brake light 10/17 via 4/38 Data link connector 17/1:16	15
14	Motor, LH headlight wiper 6/4 Washer pump, rear window 6/10 via 3/12 Motor, windshield wiper 6/1	20

Relays

Engine compartment 1-9, misc.



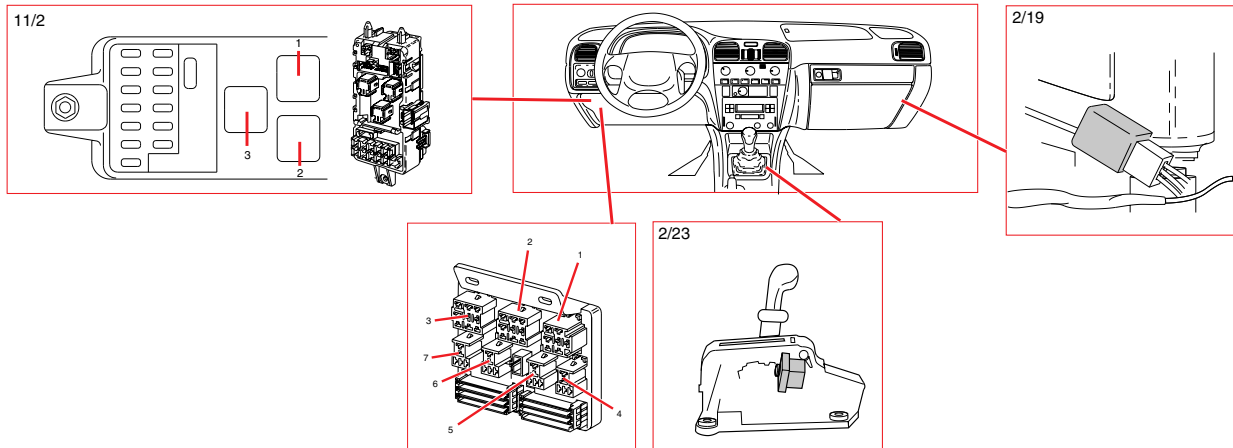
Relays in the engine compartment

Pos	Relay function
1	Relay, speed 1, electric cooling fan 2/11
2	Relay, AC compressor 2/10
3	Relay, AC condenser fan 2/13
4	Relay, speed 2, electric cooling fan 2/28 Relay, fuel injection/ignition 2/30 Melco 2
6	Relay, vacuum pump, automatic transmission, 2/34 Relay, fuel throttle body 2/32 Melco 2 Relay, coolant heater 1, 2/37 Diesel Relay, LPG 2/50
7	Engine management system main relay 2/14
8	Horn relay 2/35
9	Relay, fuel pump 2/31 Melco 2, Bifuel Relay, coolant heater 2, 2/38 Diesel

Other relays

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

Relays Passenger compartment 1-7, misc.



Relays in passenger compartment fuse box

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

Relays in the passenger compartment

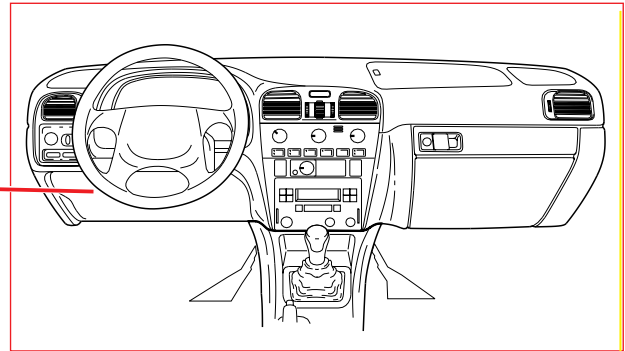
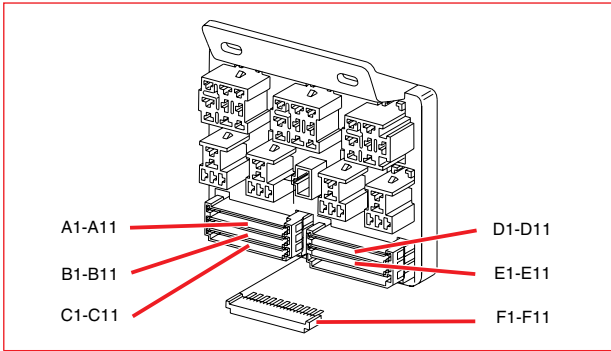
Pos	Relay function
4	Control module, key-inserted reminder/seat belt reminder 4/35
5	Relay, cigarette lighter 2/41 USA, CDN, AUS
6	Relay, power windows 2/18
7	Relay, starter motor 2/7

Other relays

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

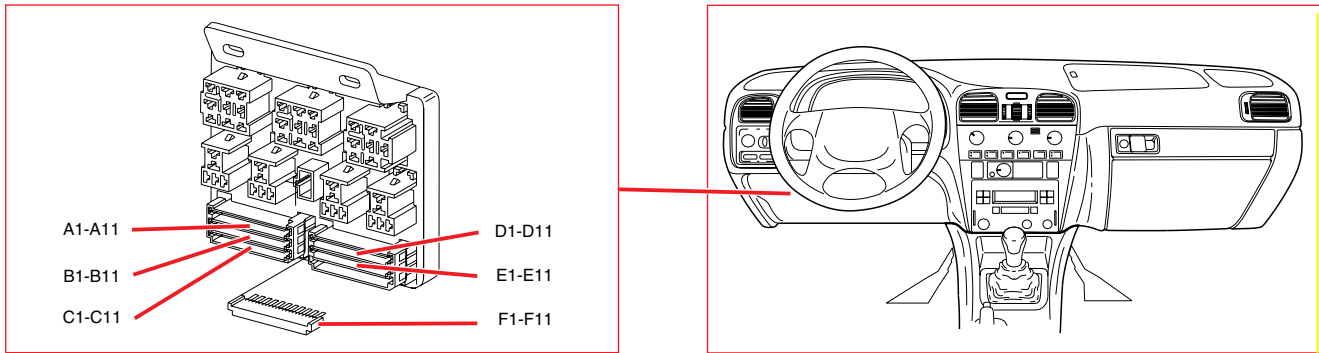
Distribution rails

15/1 - 15/2



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

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

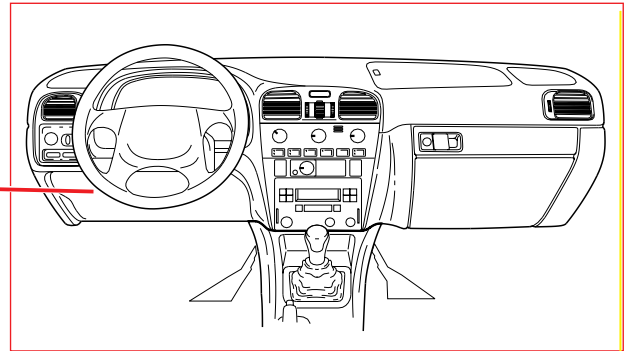
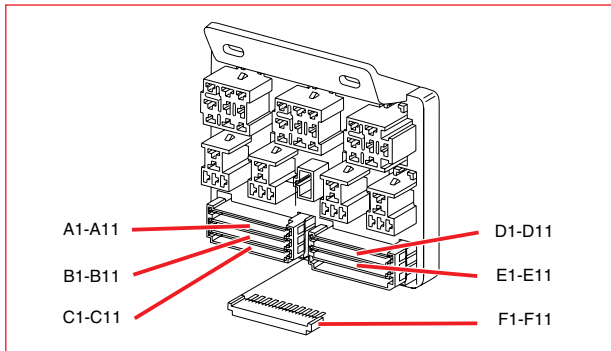


15/3 Distribution rail, central locking	
B8	Fuses in engine compartment 11A/9
B9	Control module for locks and alarm, VGLA 4/39_B:1
B10	Receiver VGLA 4/40:5
B11	Control module, ultrasonic glass breakage sensor 4/41:1

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

Distribution rails

15/5 - 15/6

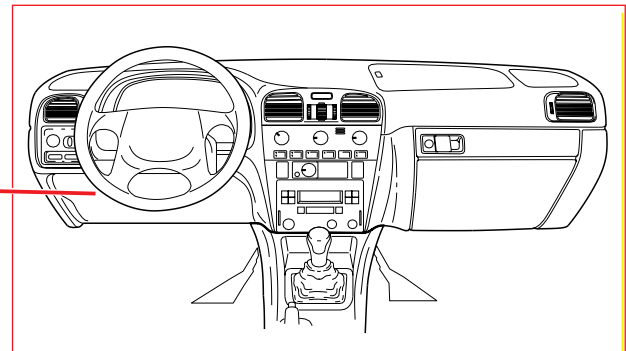
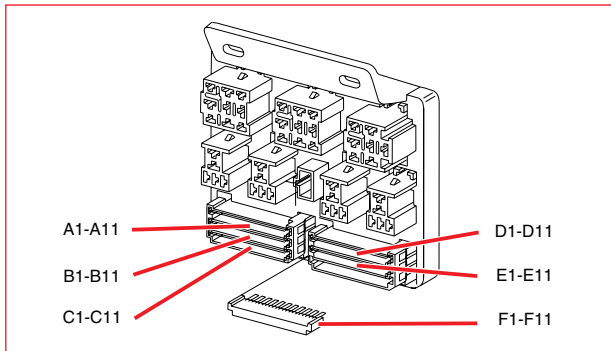


15/5 Distribution rail LHD

C8	Control module, key-inserted reminder/seat belt reminder 4/35:3
C9	Switch, driver's door 3/27:1
C10	Control module for locks and alarm VGLA 4/39_A:23 USA/KOR

15/6 Distribution rail, ground connections

D1	Switch, child safety locks 3/25:5
D3	Ground connection 31/1
D4	Brake pedal contact, cruise control 3/14:1 Diesel, Melco 2 Switch, gas/gasoline drive 3/63:1 Switch, retractable door mirrors 3/57:1
D5	Switch, direction indicators/high and low beams 3/3:3
D6	Data link connector 17/1:4
D7	Data link connector 17/1:5
D8	Climate Control Module CCM 4/9:1.8
D9	Control module, electronic immobilizer 4/18:8
D10	Control module, cruise control, 4/5:10

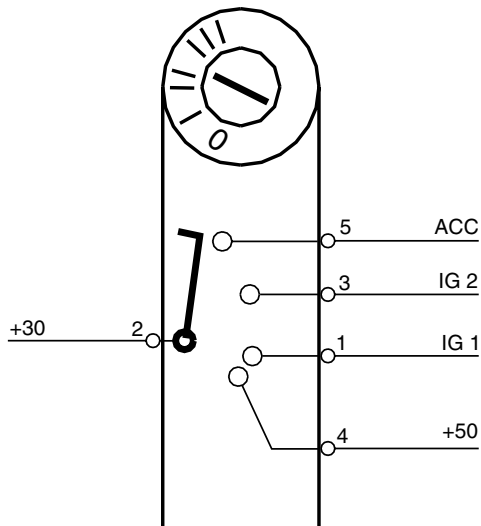
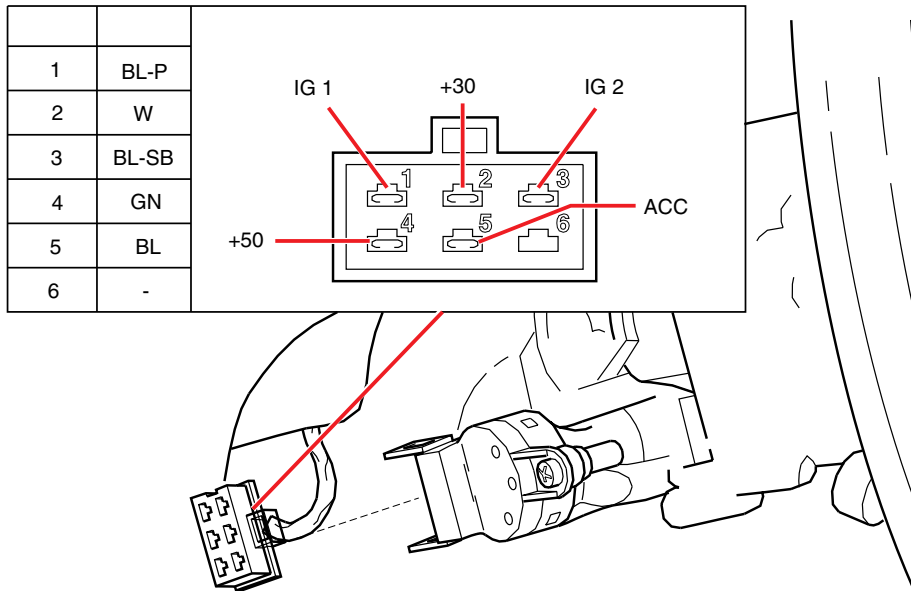


15/7 Distribution rail, diagnostics system	
E1	Combined instrument panel 5/1_B:3
E3	Control module, Supplemental Restraint System (SRS) 4/4:75
E4	Control module, electronic immobilizer 4/18:3
E5	Control module for locks and alarm, VGLA 4/39_B:19
E6	Transmission Control Module TCM 4/27:13 Control module,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

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

Electrical distribution

Ignition switch



↙	+30	ACC	IG 2	IG 1	+50
Ⓢ	2	5	3	1	4
0	X				
I	X	X			
II	X	X	X	X	
III	X			X	X

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

Ground connection

31/1 - 31/4

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

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

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

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

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

31/4 Diesel
Junction point 43/331 -engine management system 4/26:L3 -engine management system 4/26:L4 -engine management system 4/26:M4 -mass airflow sensor MAF 7/50:6
Junction point 43/330 -motor, windshield wiper 6/1:5 -fuel preheater 9/10:A -crankcase breather 9/12:2 -brake fluid level sensor 7/9:2

Ground connection

31/5 - 31/9

31/5
Battery 1/1

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

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

31/7 Melco 2
Junction point 43/376 -ground connection 31/4 -junction point 43/321 -junction point 43/375

31/7 Bifuel
Junction point 43/305 -engine management system 4/26:3 -engine management system 4/26:28 -engine management system 4/26:33 -engine management system 4/26:67 -control module LPG 4/75_J2:20 -control module LPG 4/75_J2:19 -connector 44/1:16

31/8
Junction point 43/347 -motor, RH headlight wiper 6/3:C -motor, LH headlight wiper 6/4:C -FL direction indicator 10/1:2 EU/OS -FL direction indicator 10/1:1 USA -direction indicator, FL fender 10/3:2 -FL fog light 10/13:2 -relay, vacuum pump, automatic transmission 2/34:2 -lamp housing, FL parking light/direction indicator 10/82:1 USA
Junction point 43/342 -junction point 43/337 -motor, electric cooling fan 6/9:1 Melco 2 -motor, two-speed cooling fan 6/26:1 EMS 2000 Turbo, Diesel -LH headlight 10/84:3 -FL side marker light 10/11:2

31/9
Junction point 43/344 -windshield washer pump 6/2:2 -sensor, washer fluid level 7/10:2 -washer pump, rear window 6/10:2 -condenser fan, A/C 6/27:1 Turbo, Melco 2 -FR fog light 10/14:2 -direction indicator, FR fender 10/4:2 -FR direction indicator 10/2:2 EU/OS -FR direction indicator 10/2:1 USA -lamp housing, FR parking light/direction indicator 10/83:1 USA
Junction point 43/341 -junction point 43/340 -ABS control module 4/28:19 -junction point 43/344 Bifuel

**Ground connection
31/10 - 31/15**

31/10 S40
Junction point 43/615
-connector 44/19:2
-connector 44/32:2
-RL lamp housing 10/64:1.4
-RL lamp housing 10/64:2.5
-switch, RL door 3/29:2
-switch, RL door 6/14:6
-auxiliary brake light 10/17:5
-RL side marker light 10/28:2

31/11 S40
Junction point 43/614
-RR lamp housing 10/65:1.4
-RR lamp housing 10/65:2.5
-contact, RR door 3/30:2
-RR side marker light 10/29:2
-heated rear window 9/2
Cut-off valve, tank 8/43:1 Bifuel

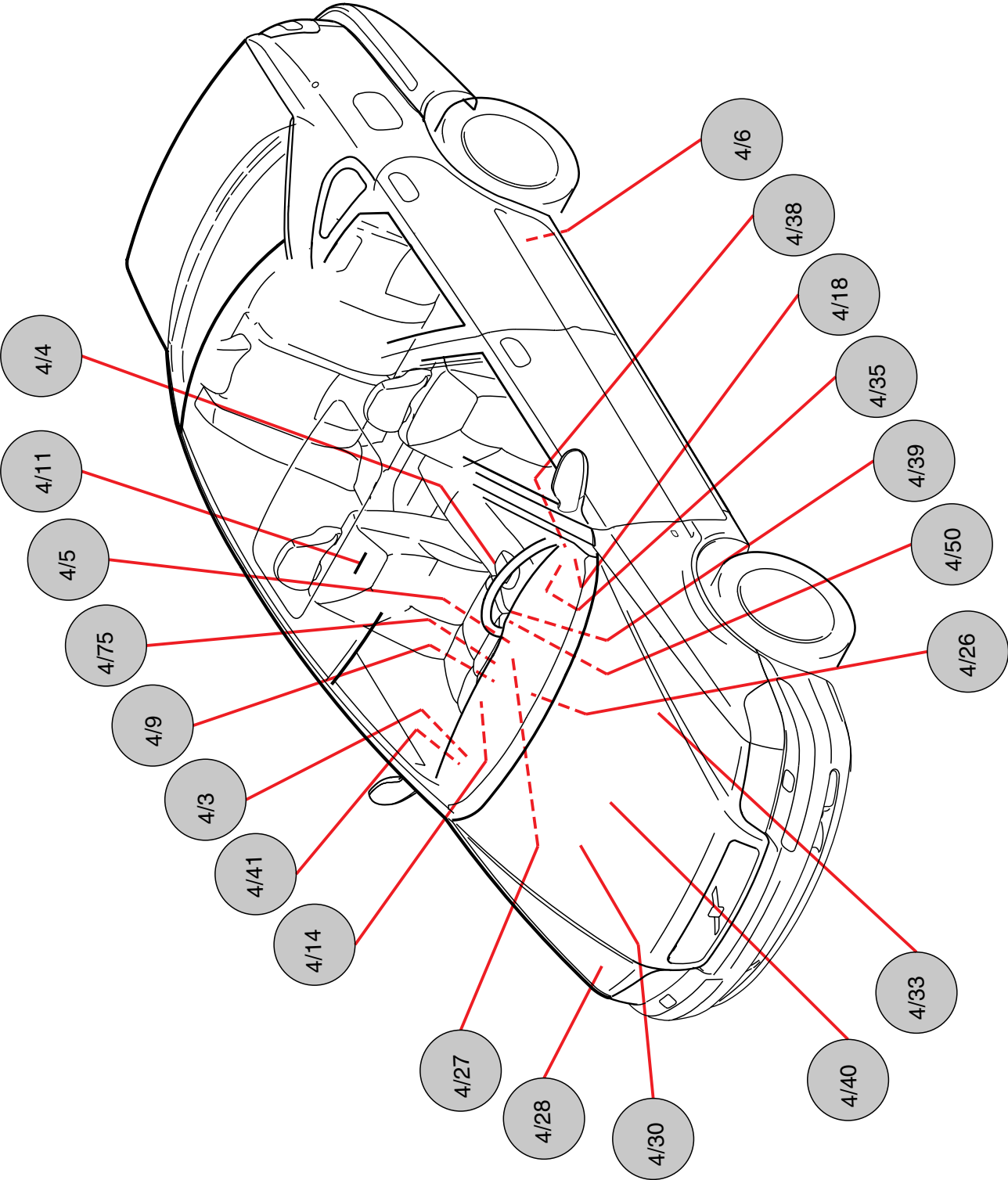
31/12 V40
Junction point 43/610
-RL side marker light 10/28:2
-RL lamp housing 10/64:4
-connector 44/19:2
-switch, RL door 3/29:2
-contact, RR door 3/30:2
Connector 44/33:2

31/13 V40
RR lamp housing 10/65:4
Bass speaker 16/18:2.3 not Bifuel
Junction point 43/621 Bifuel
-cut-off valve, tank 8/43:1
-bass speaker 16/18:2.3

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

31/15
Battery 1/1

Control modules
Overview

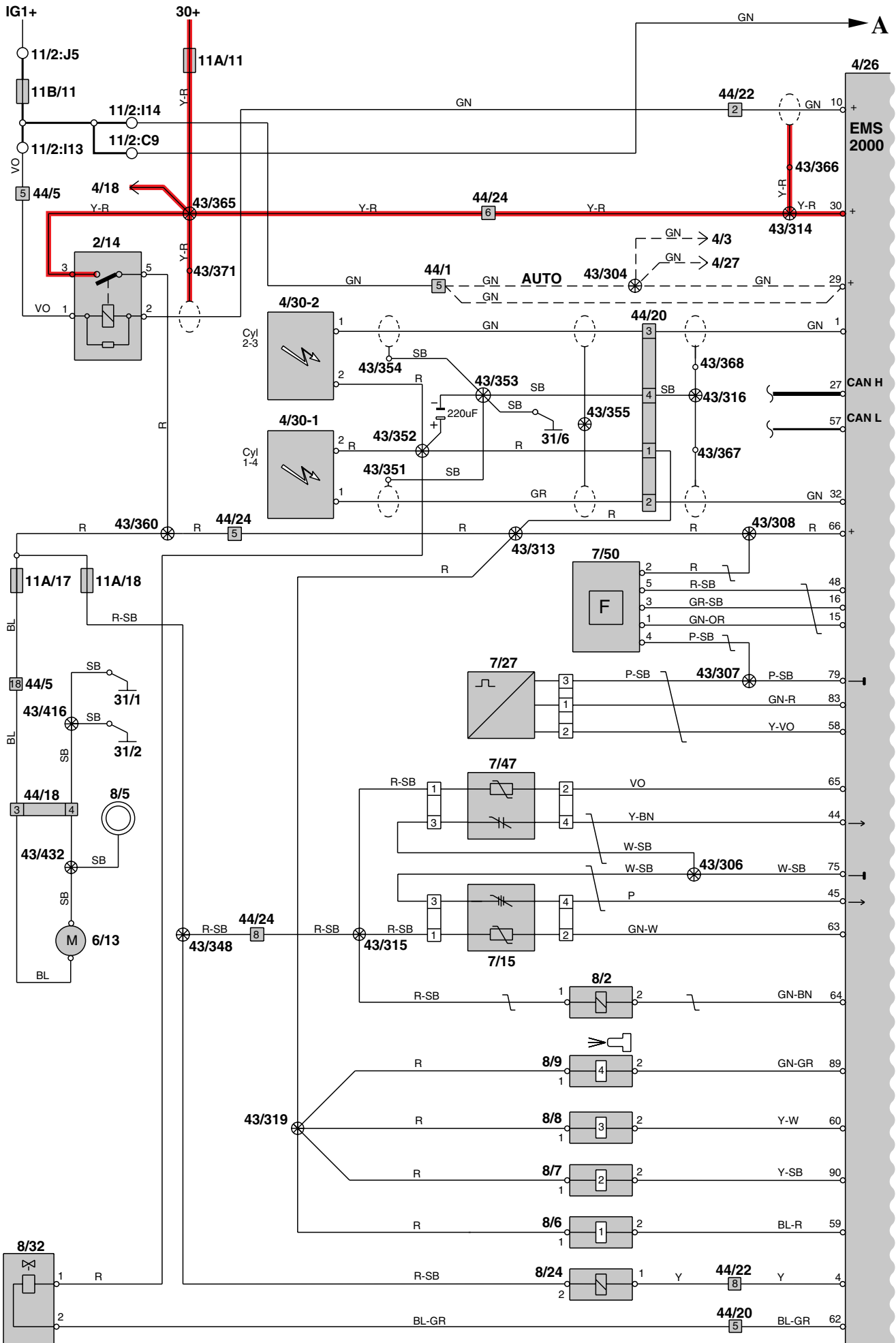


Control module Overview

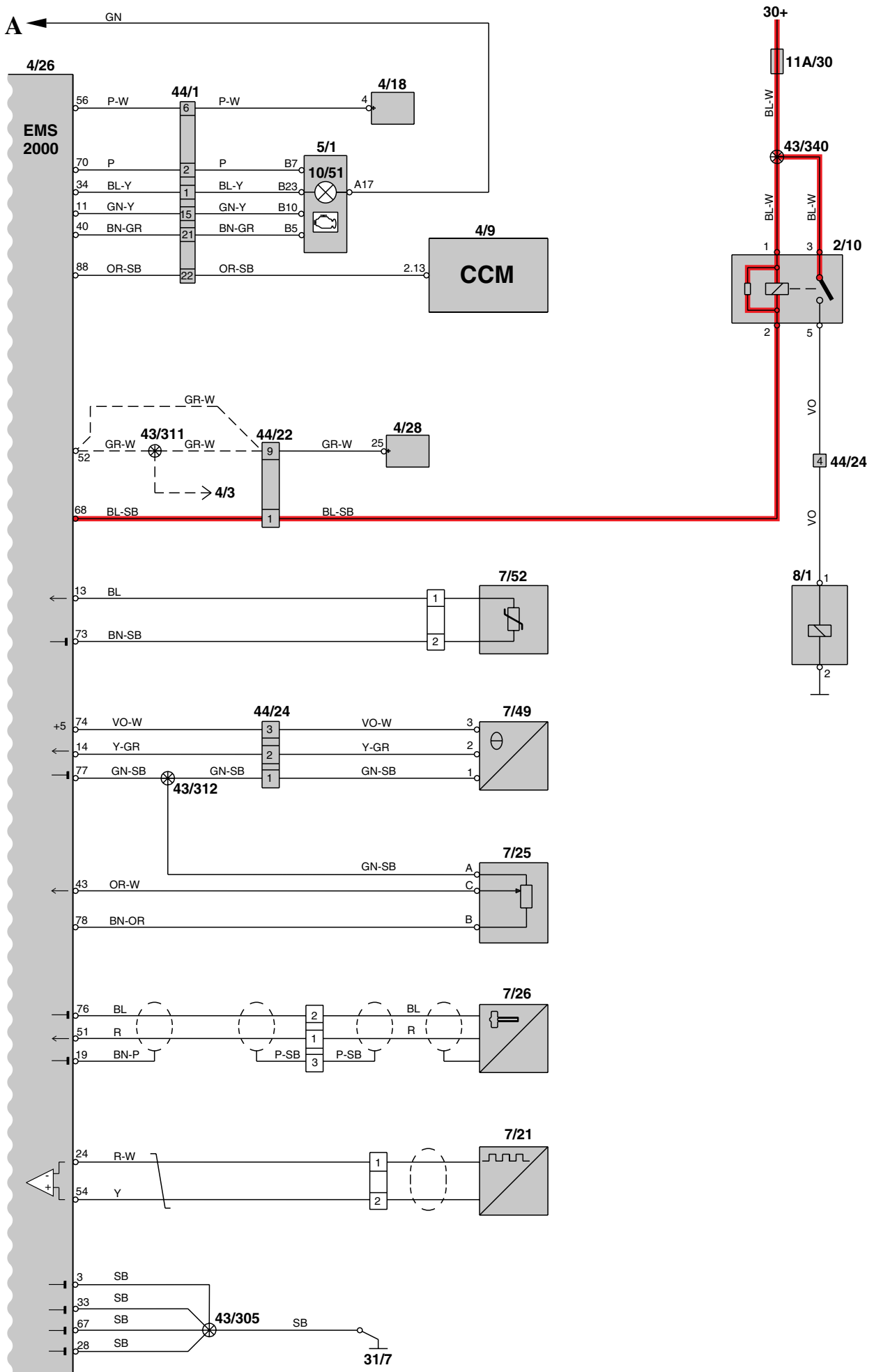
Unit	Designation
4/3	Control module, Dynamic Stability Assistance (DSA)
4/4	Control module, Supplemental Restraint System (SRS)
4/5	Control module, cruise control
4/6	Control module, xenon lamps
4/9	Climate Control Module (CCM)
4/11	Control module, power sunroof
4/14	Control module, passenger compartment 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
4/33	Control module, fuel system
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

Group 23

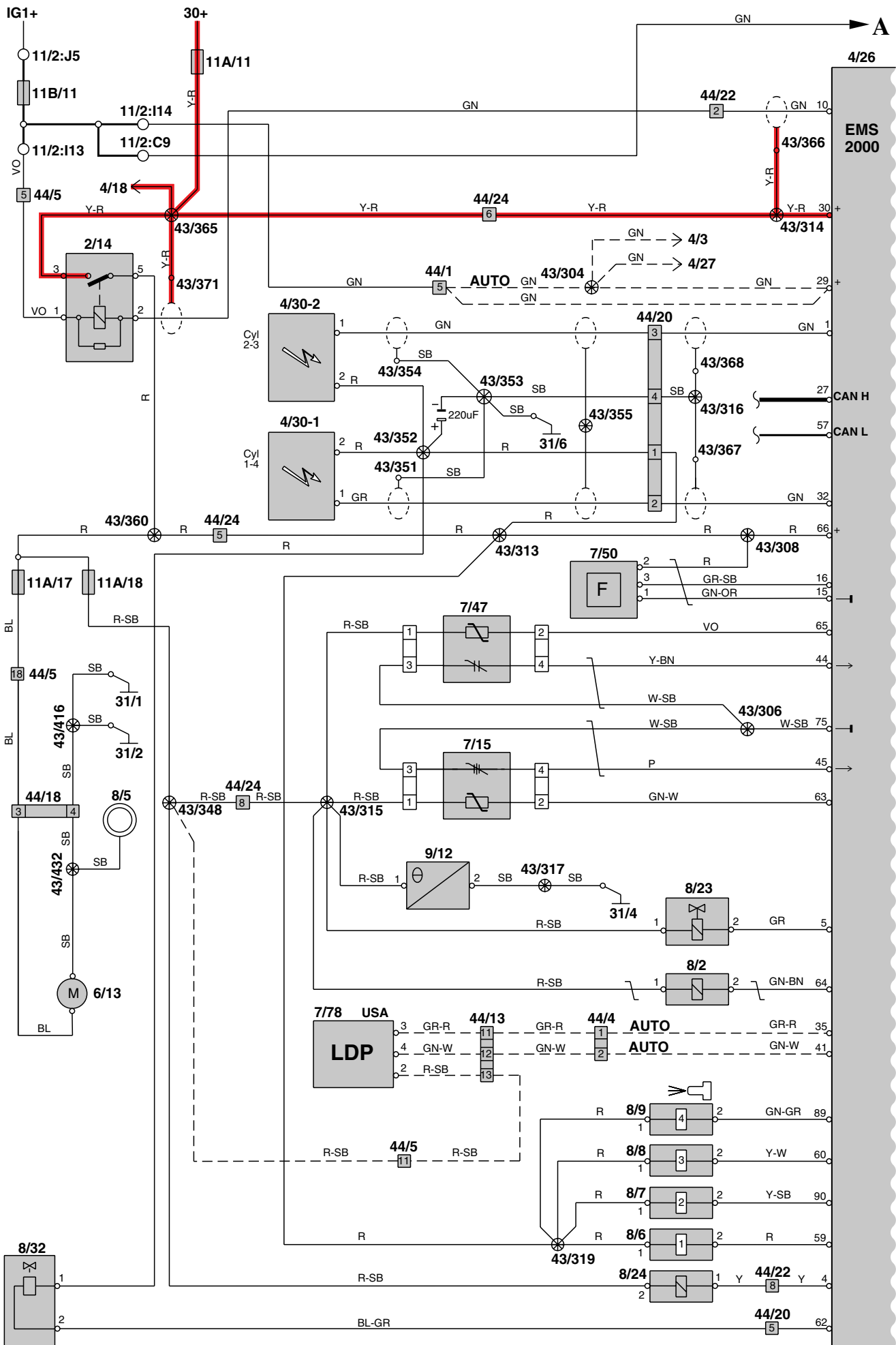
Engine management system, EMS 2000



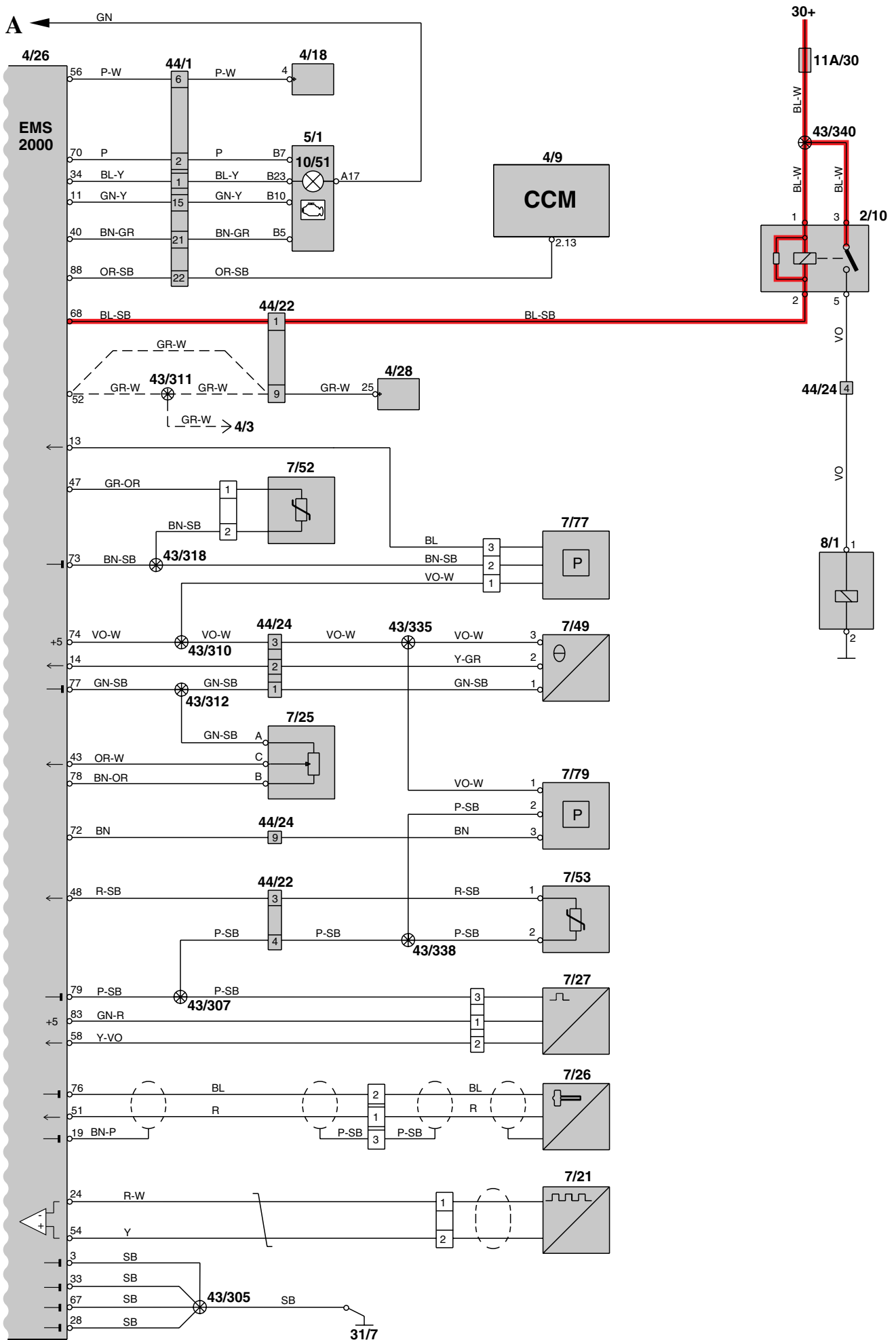
Engine management system, EMS 2000



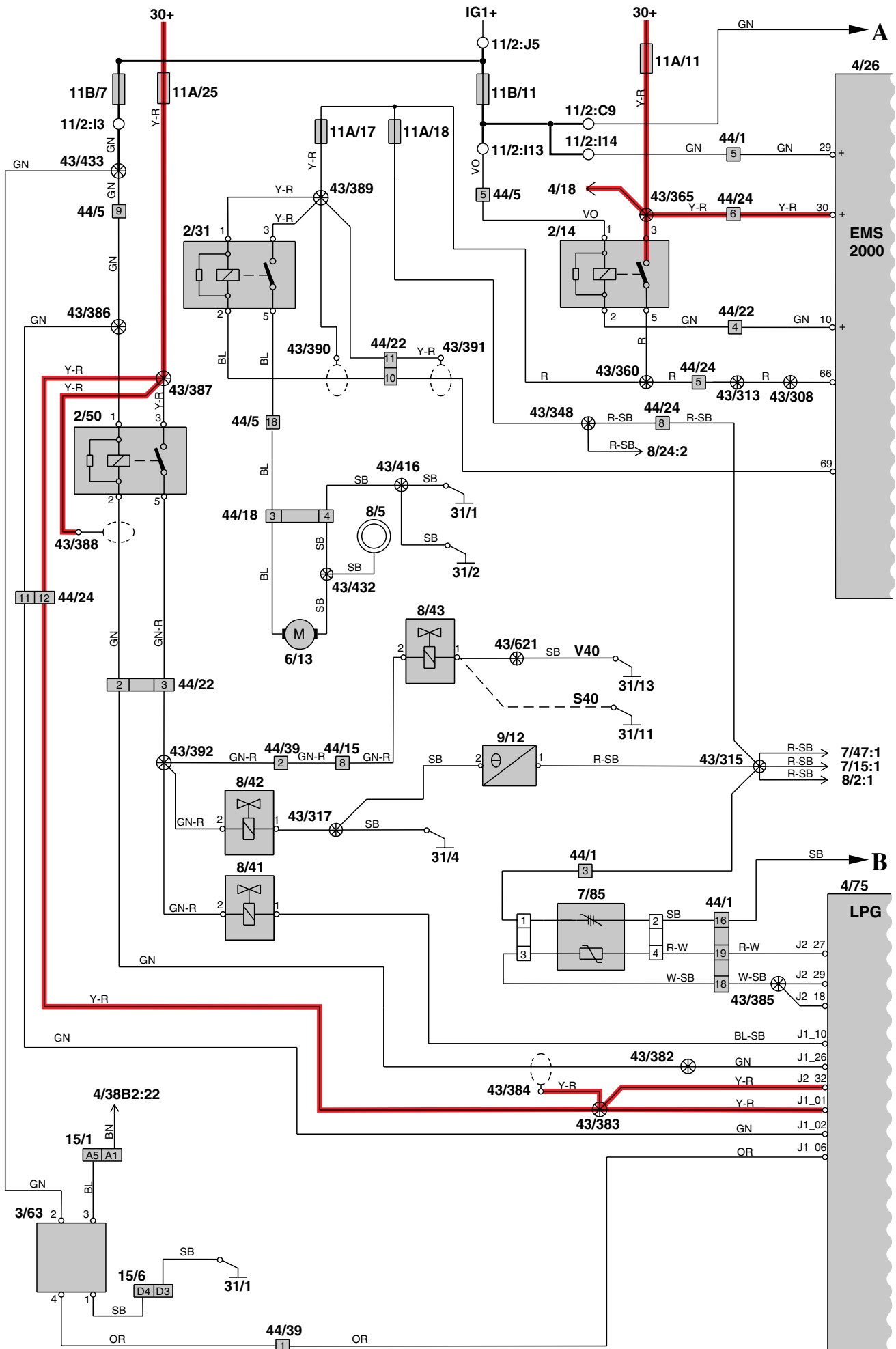
Engine management system, EMS 2000 Turbo



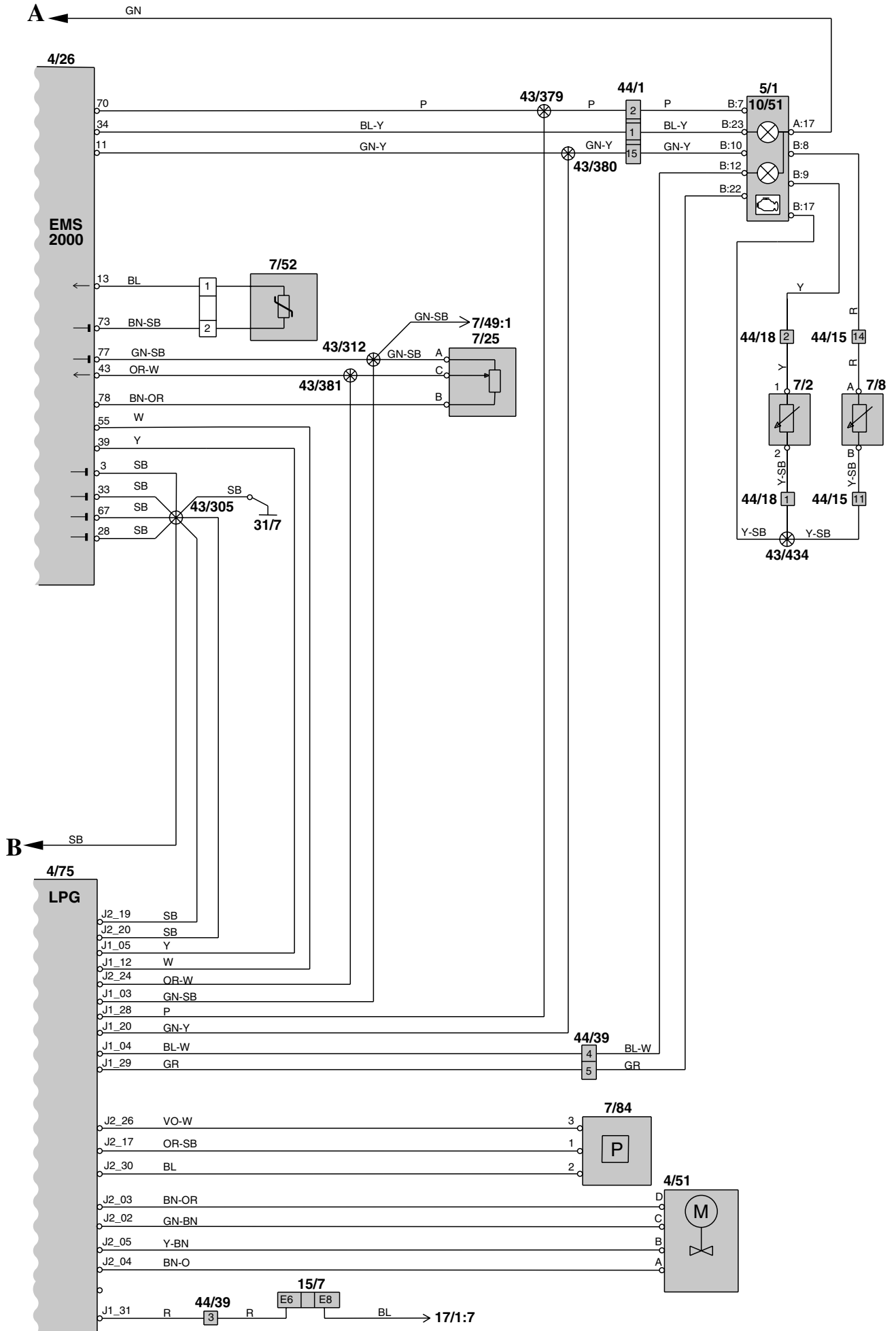
Engine management system, EMS 2000 Turbo



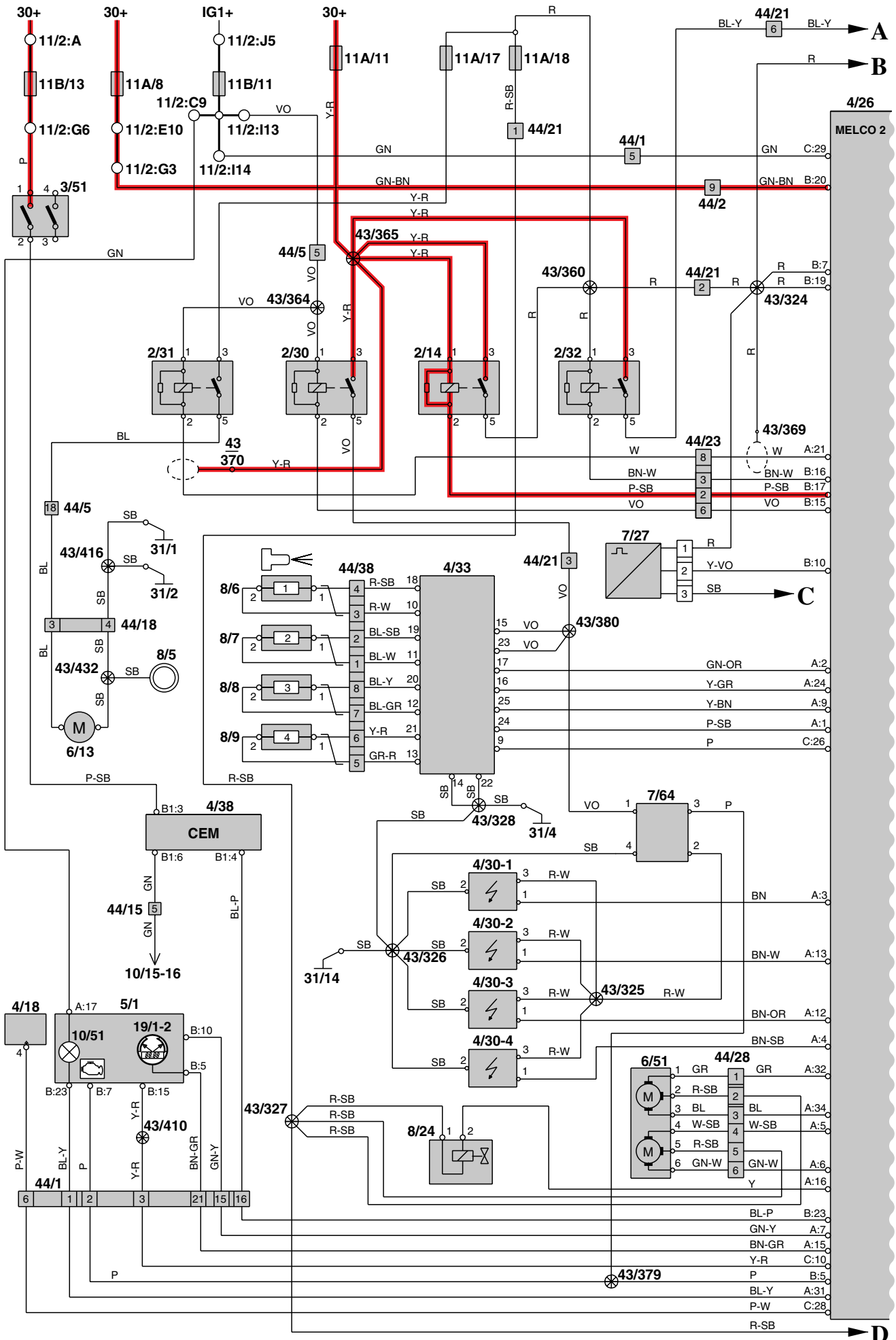
Engine management system, Bifuel



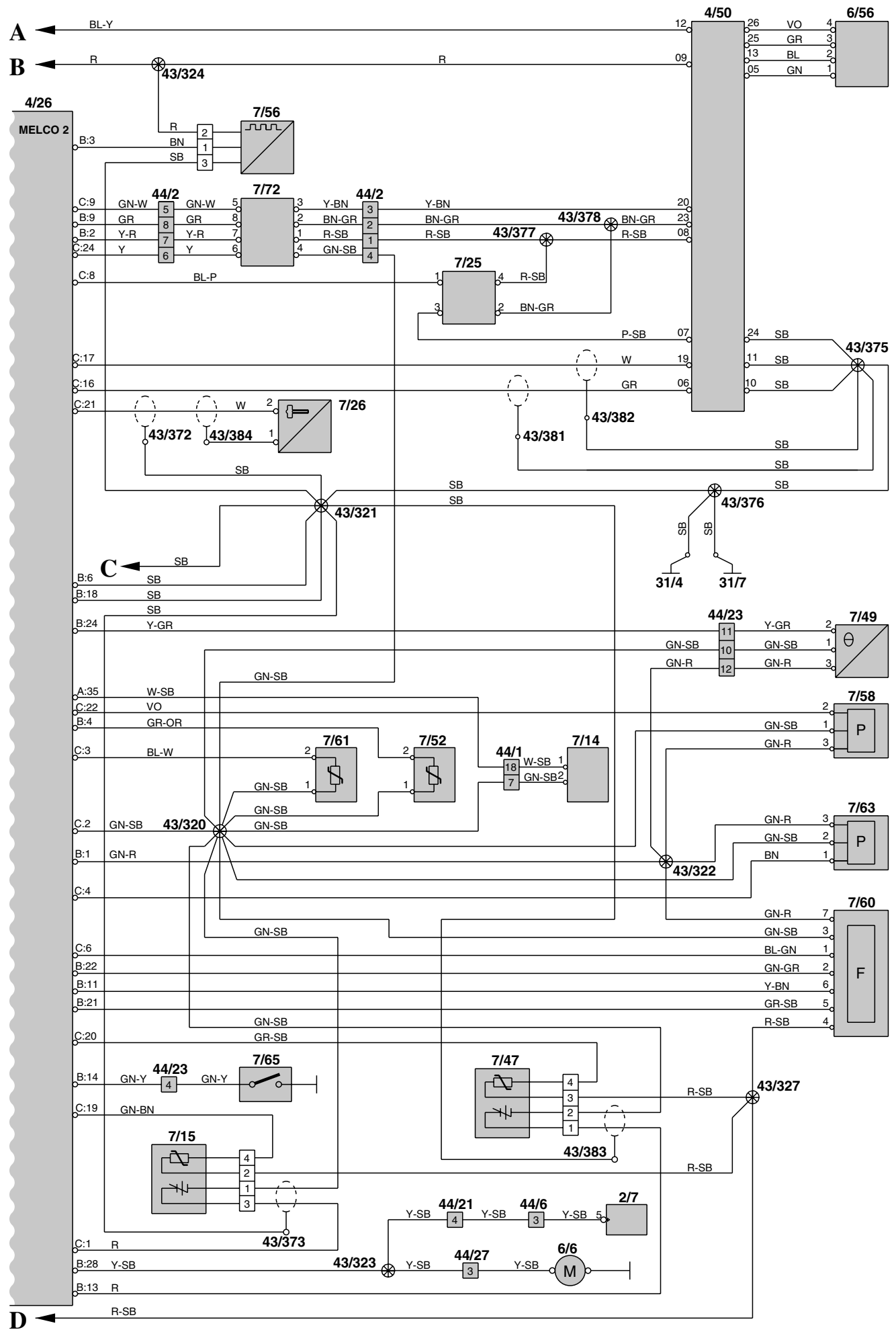
Engine management system, Bifuel



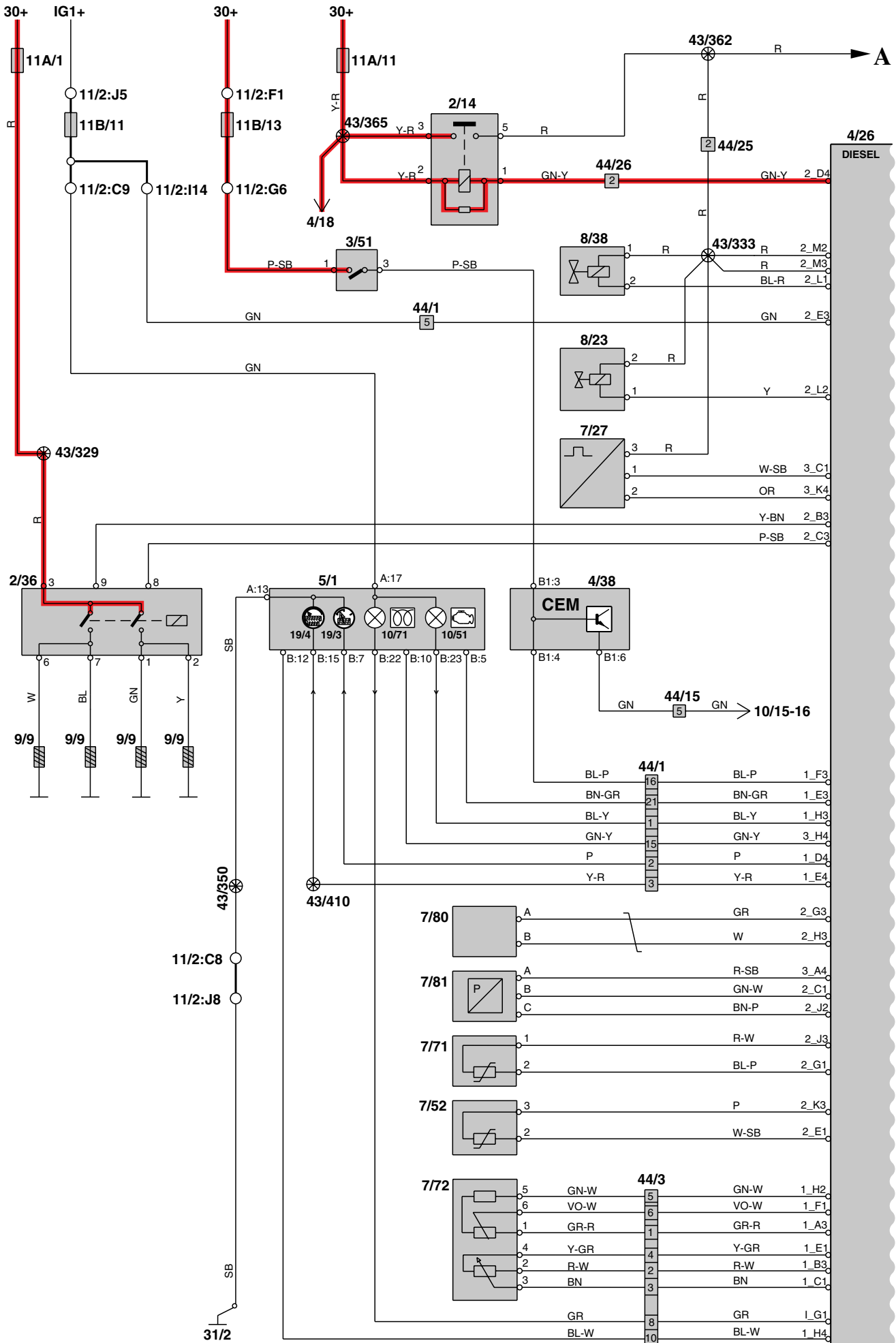
Engine management system, Melco 2



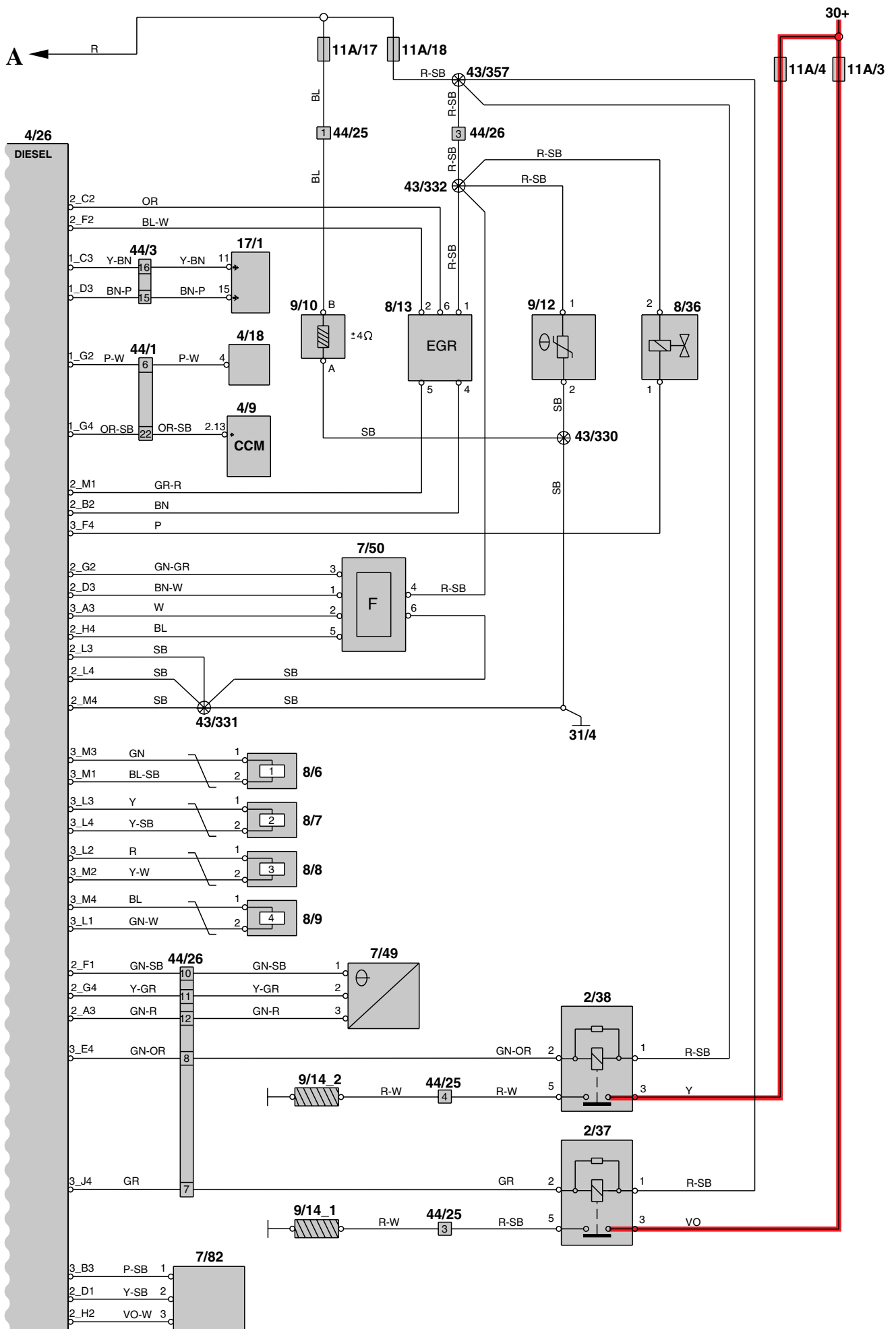
Engine management system, Melco 2



Engine management system, Diesel

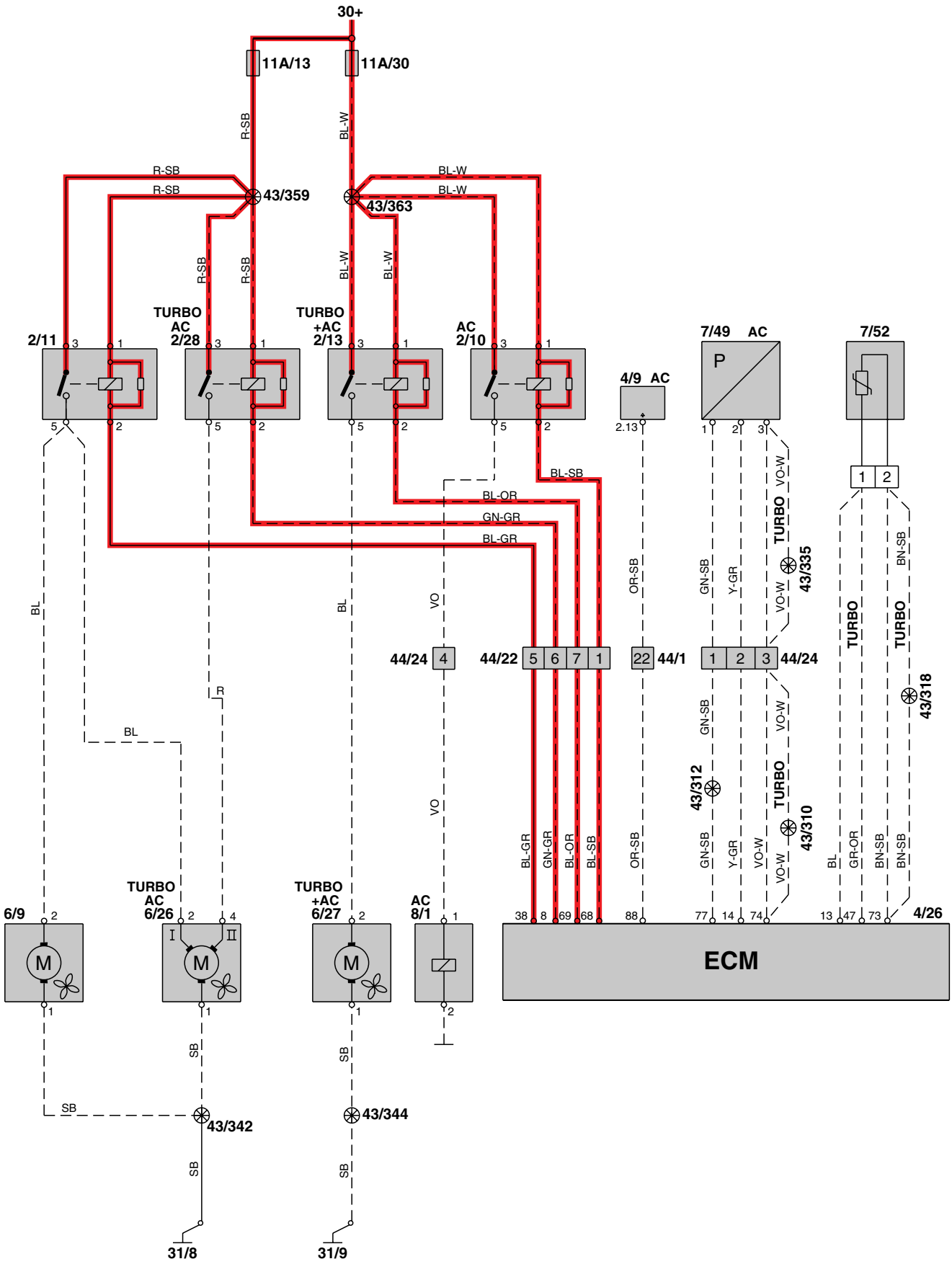


Engine management system, Diesel

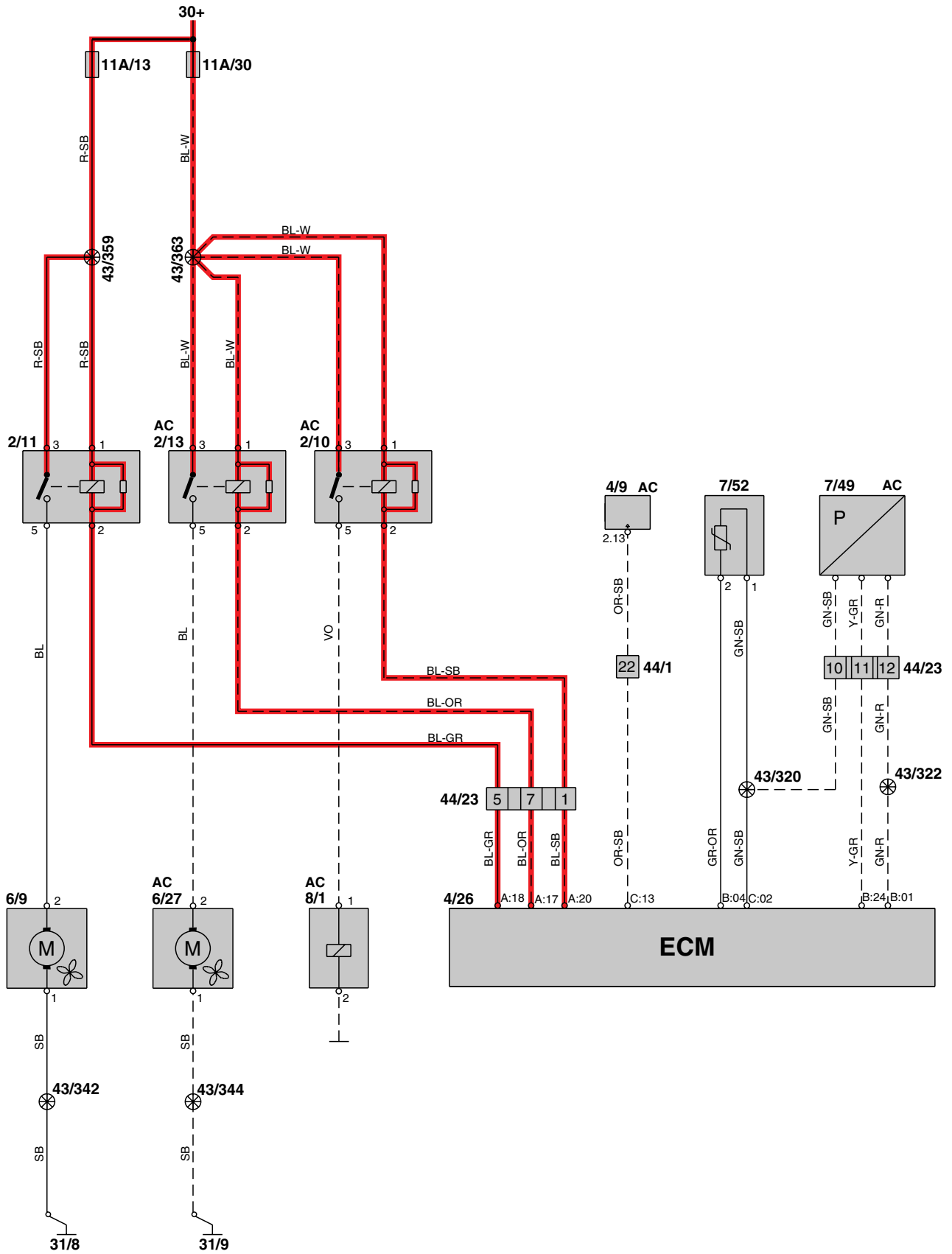


Group 26

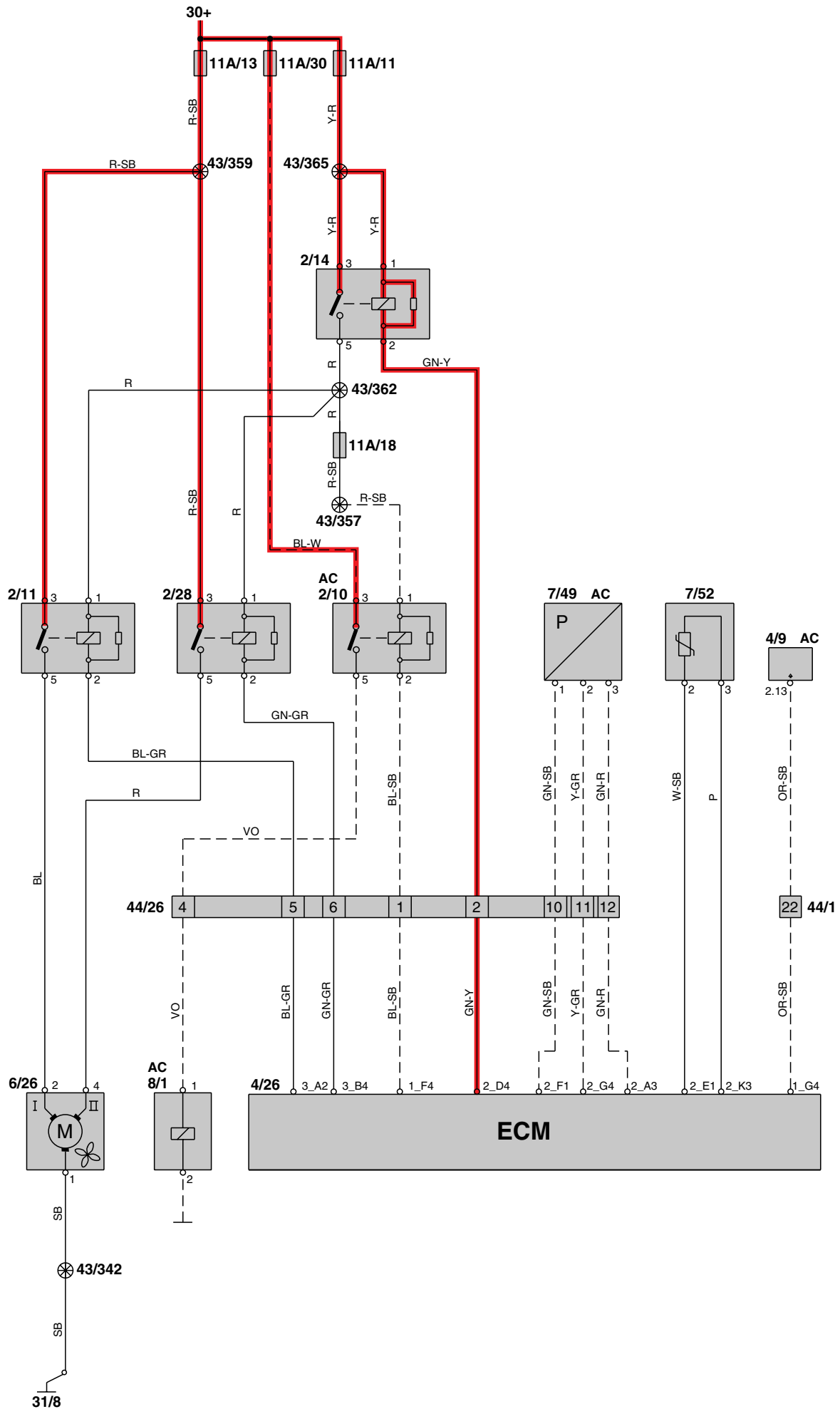
Electric cooling fan/AC compressor, EMS 2000

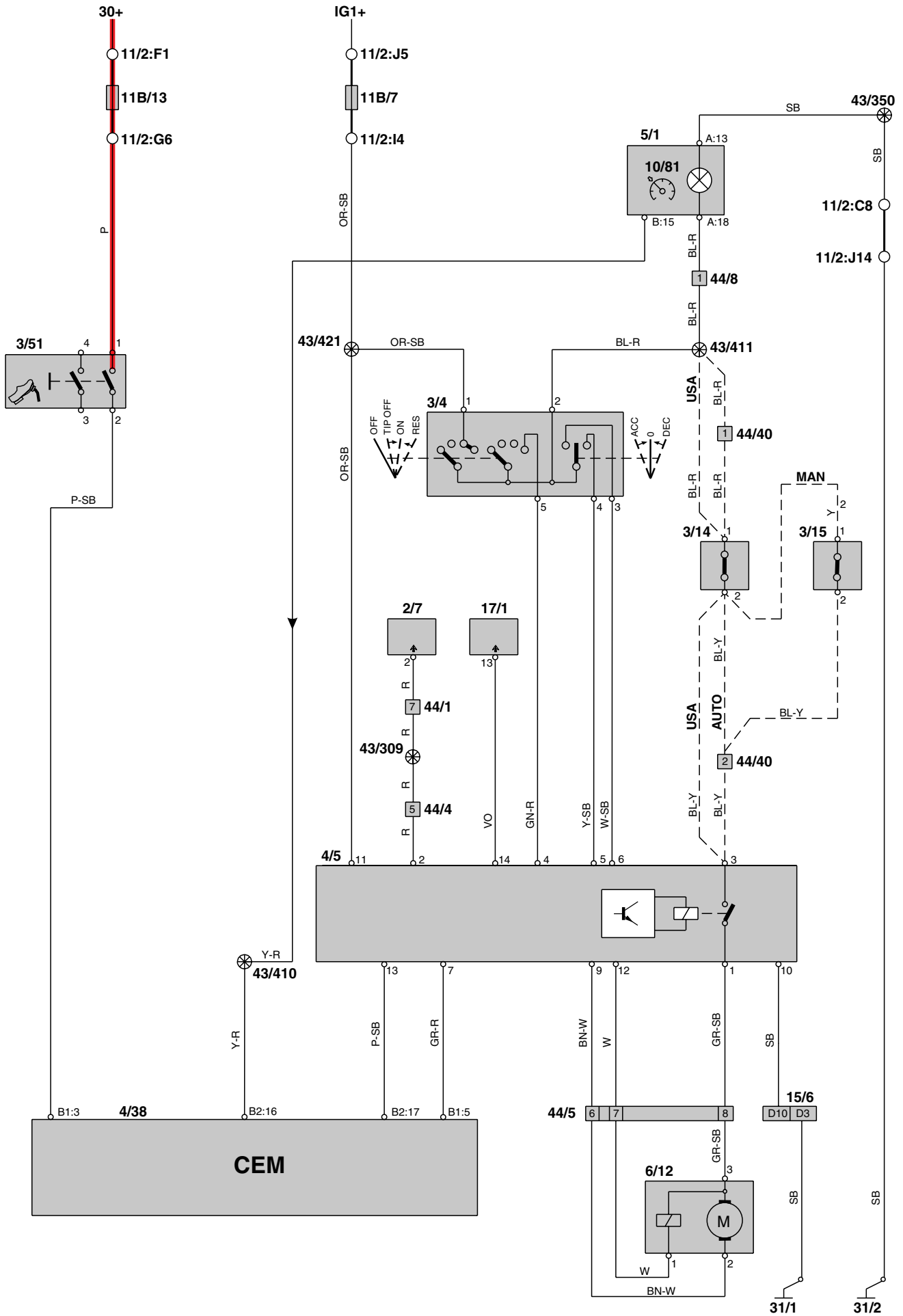


Electric cooling fan/AC compressor, Melco 2

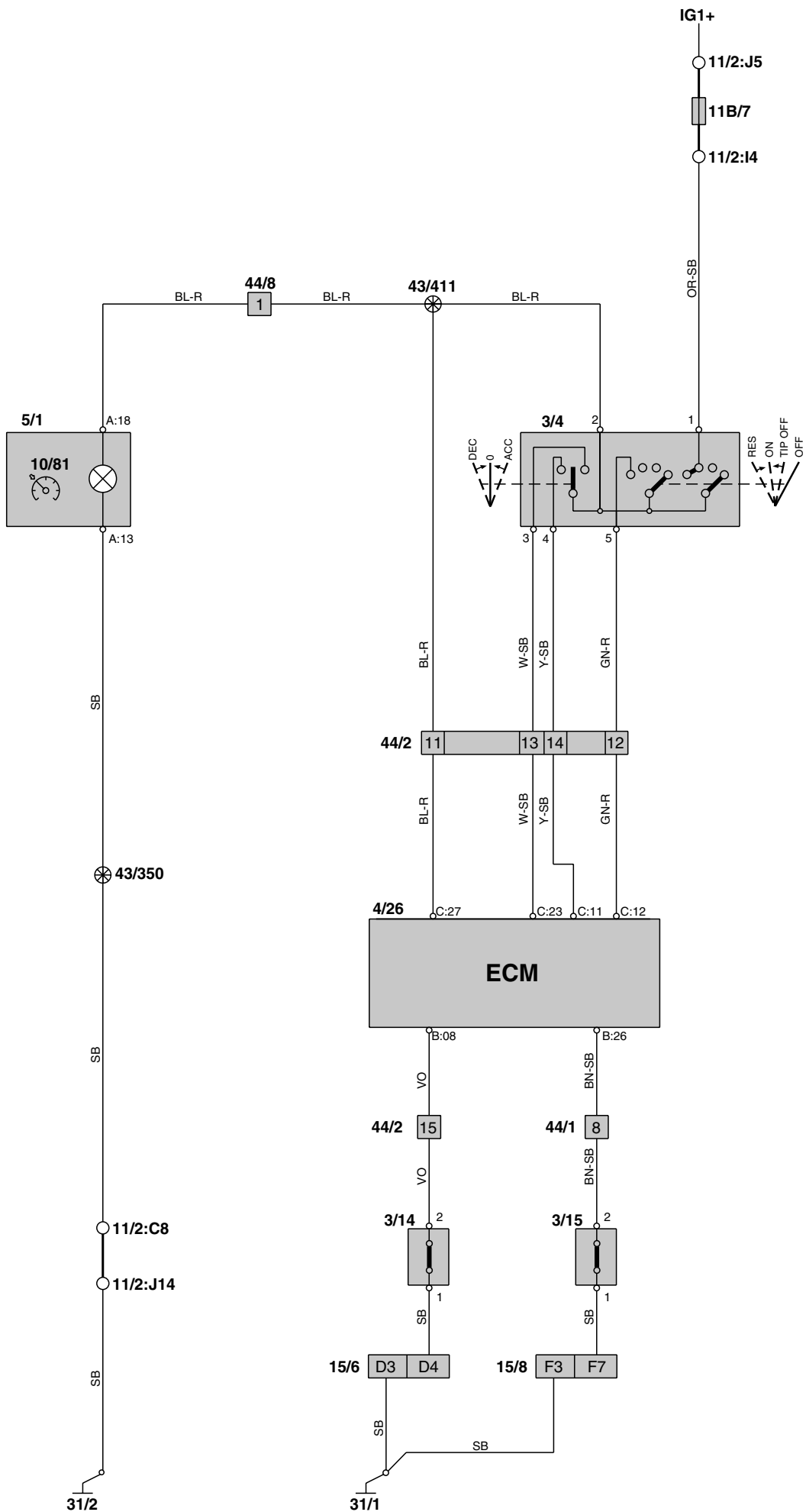


Electric cooling fan/AC compressor, Diesel

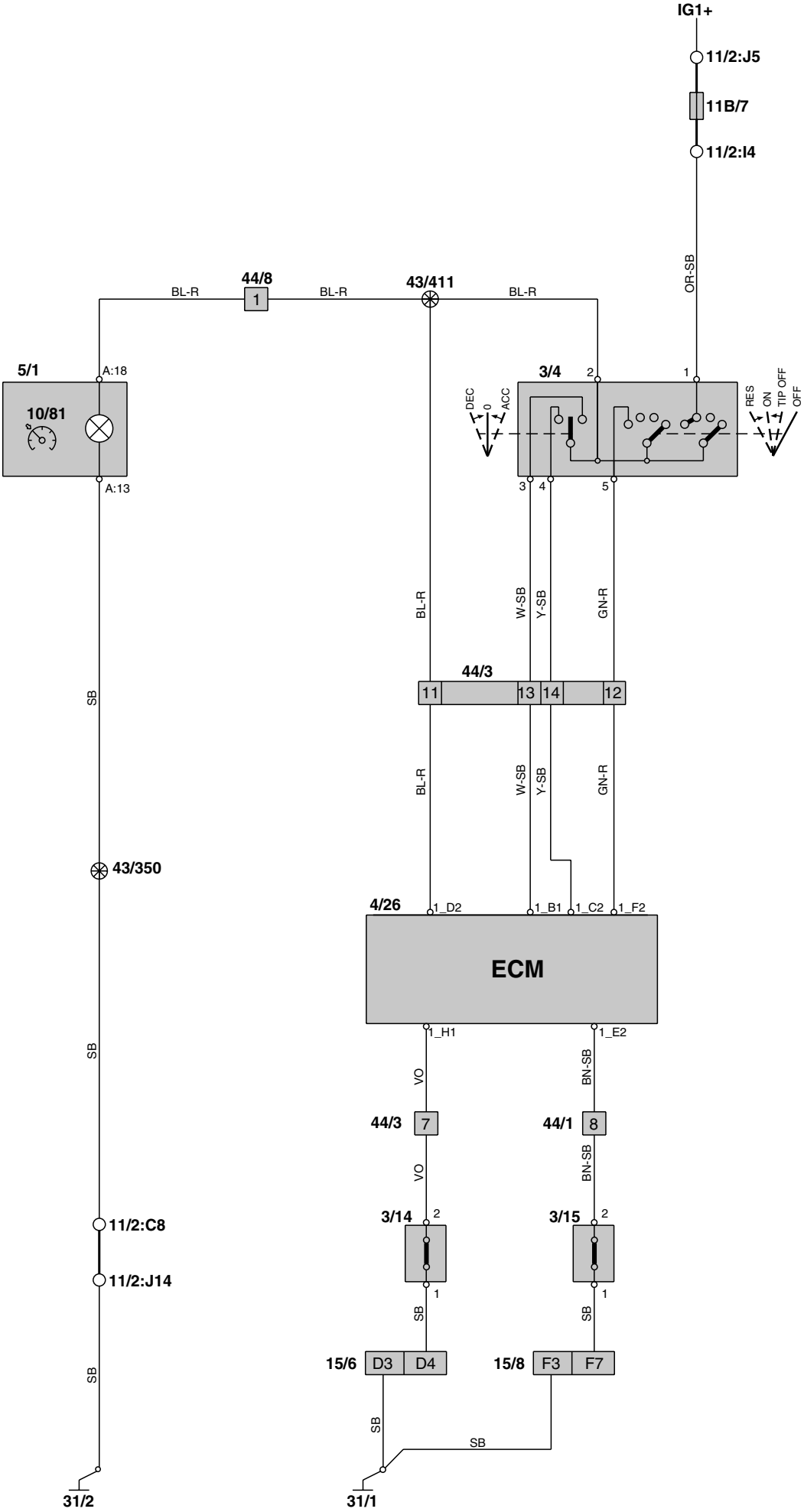




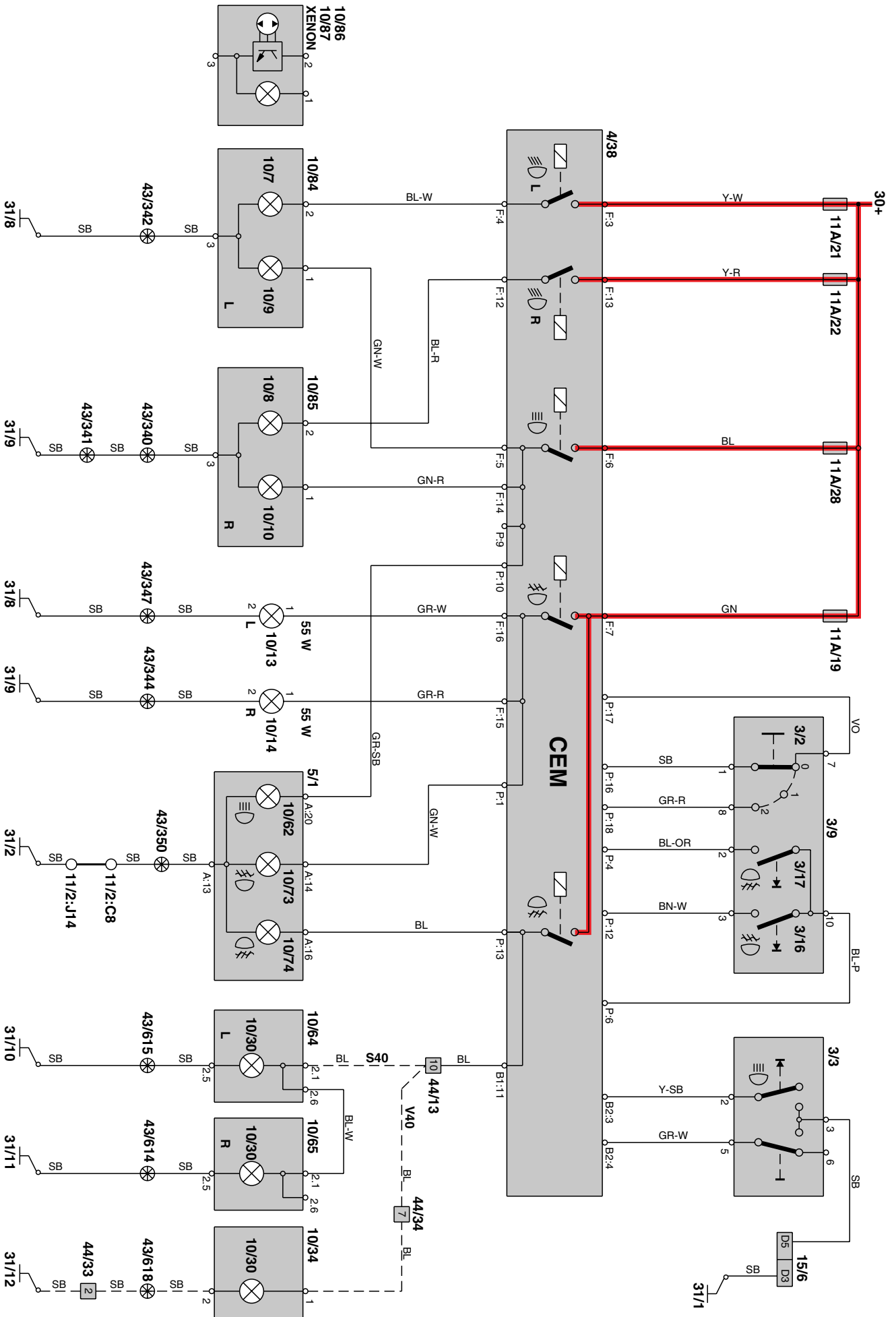
Cruise control, Melco 2



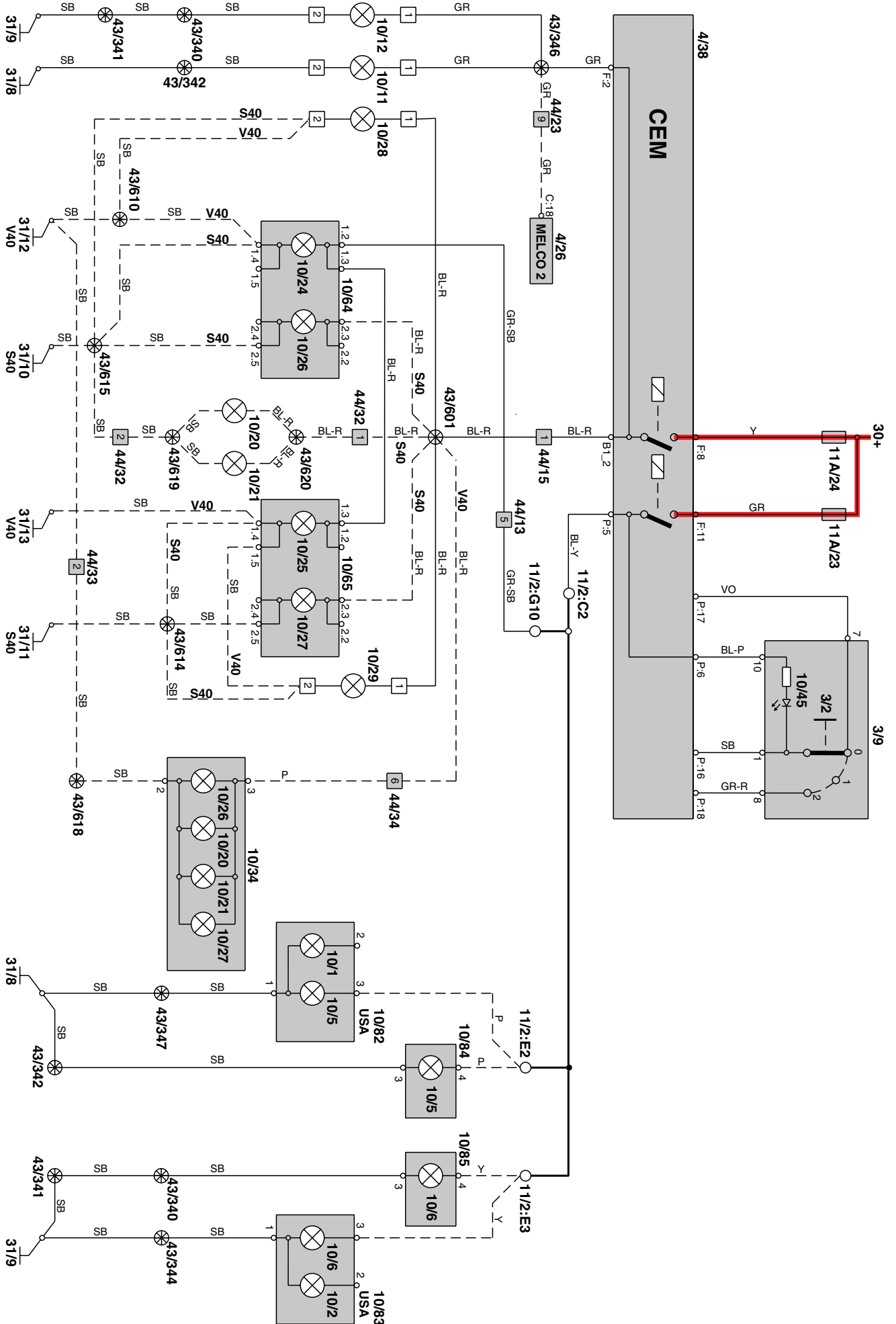
Cruise control, Diesel



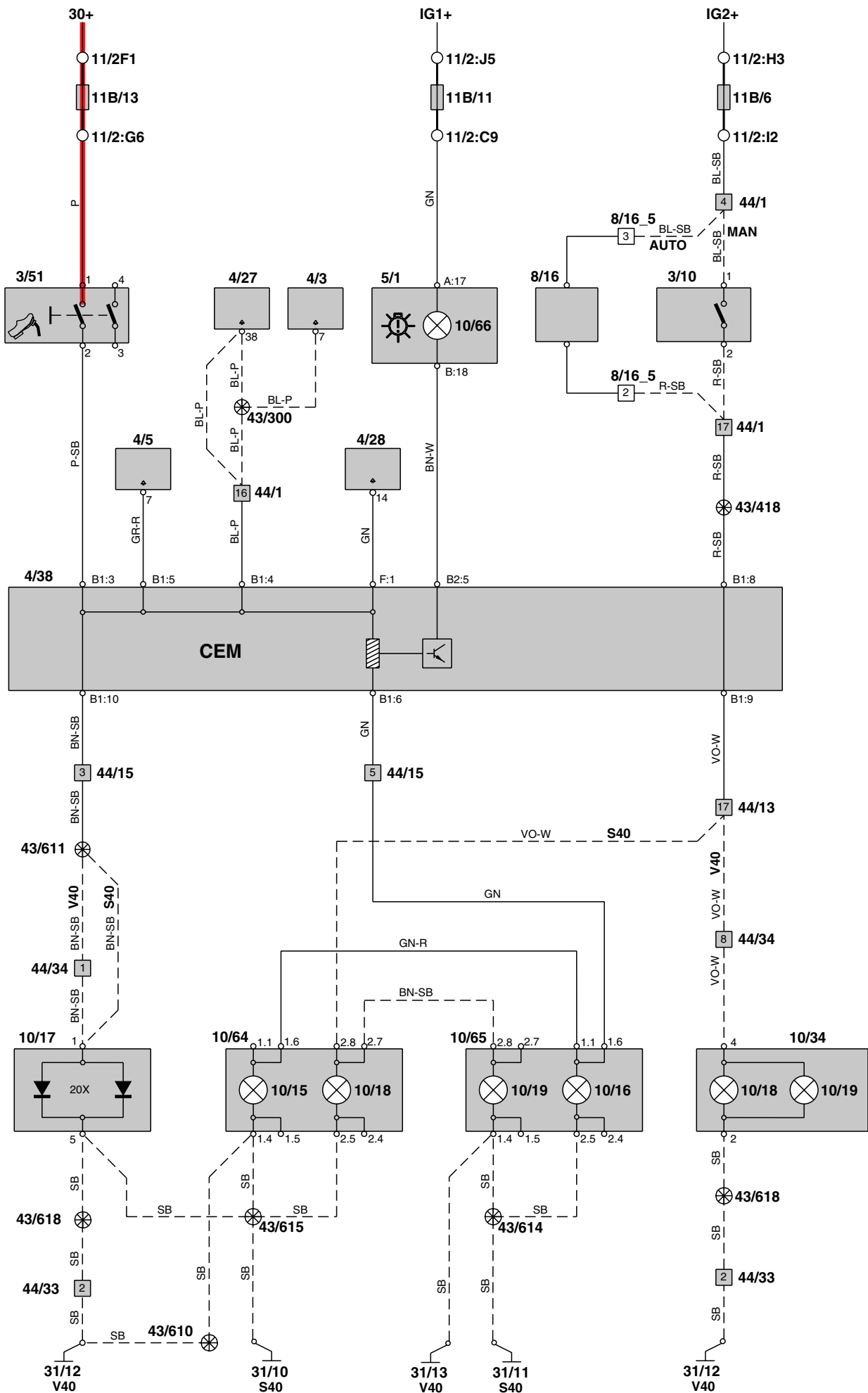
Group 35 High and low beams, Fog lights



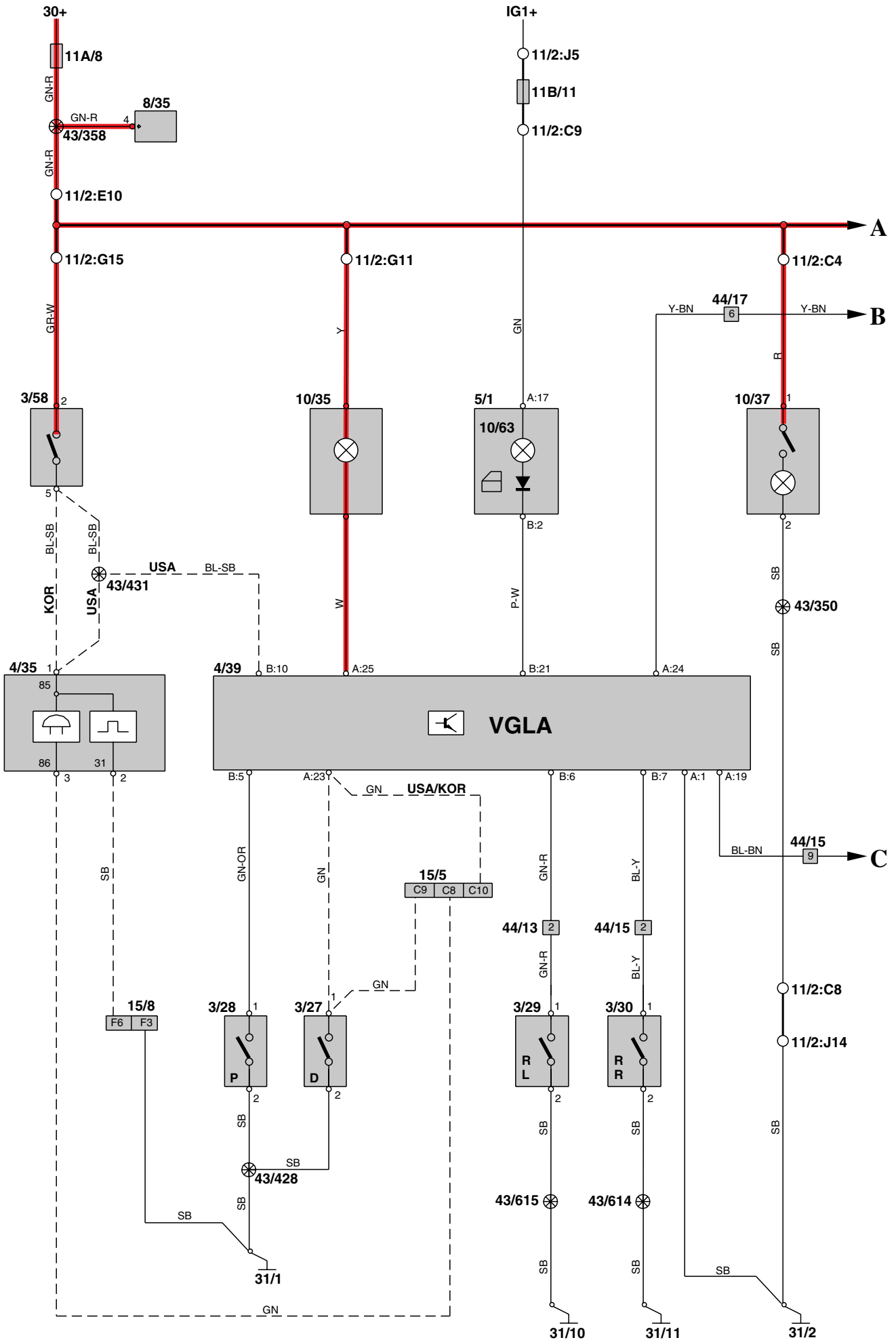
Parking lights/side marker lights and license plate lighting



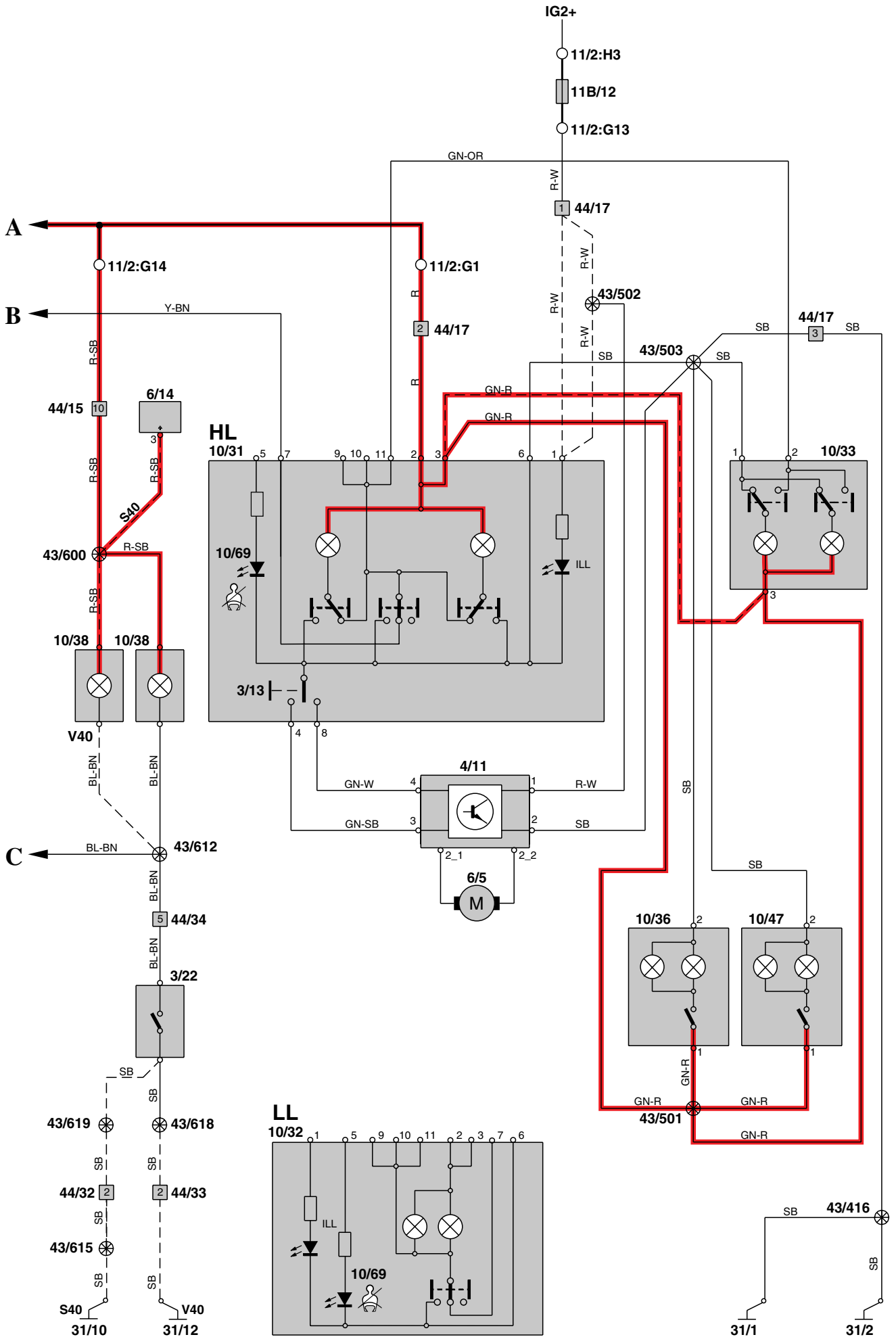
Reversing and brake lights, filament monitor



Interior lighting, power sunroof and key-inserted reminder

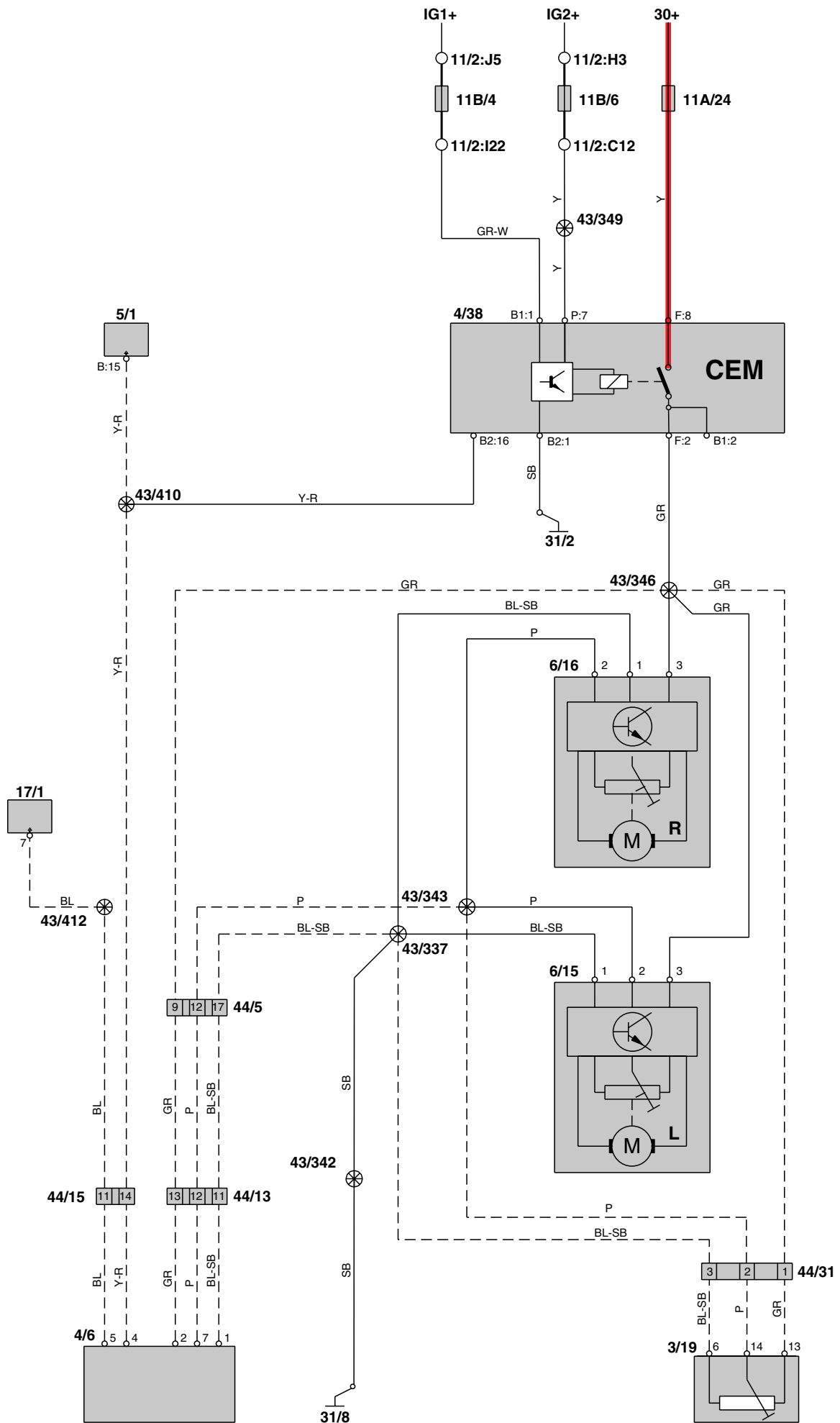


Interior lighting, power sunroof and key-inserted reminder

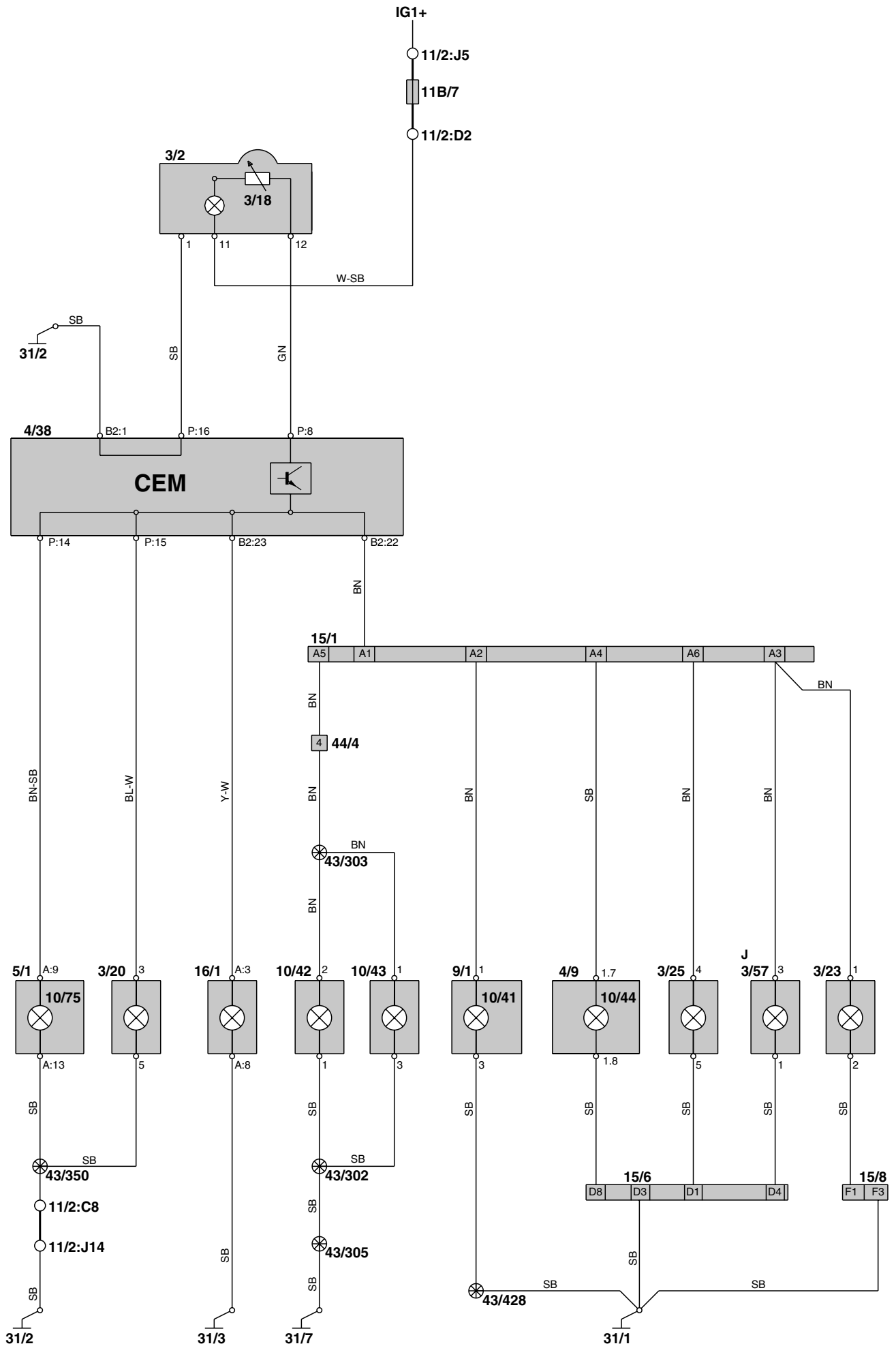


Group 36

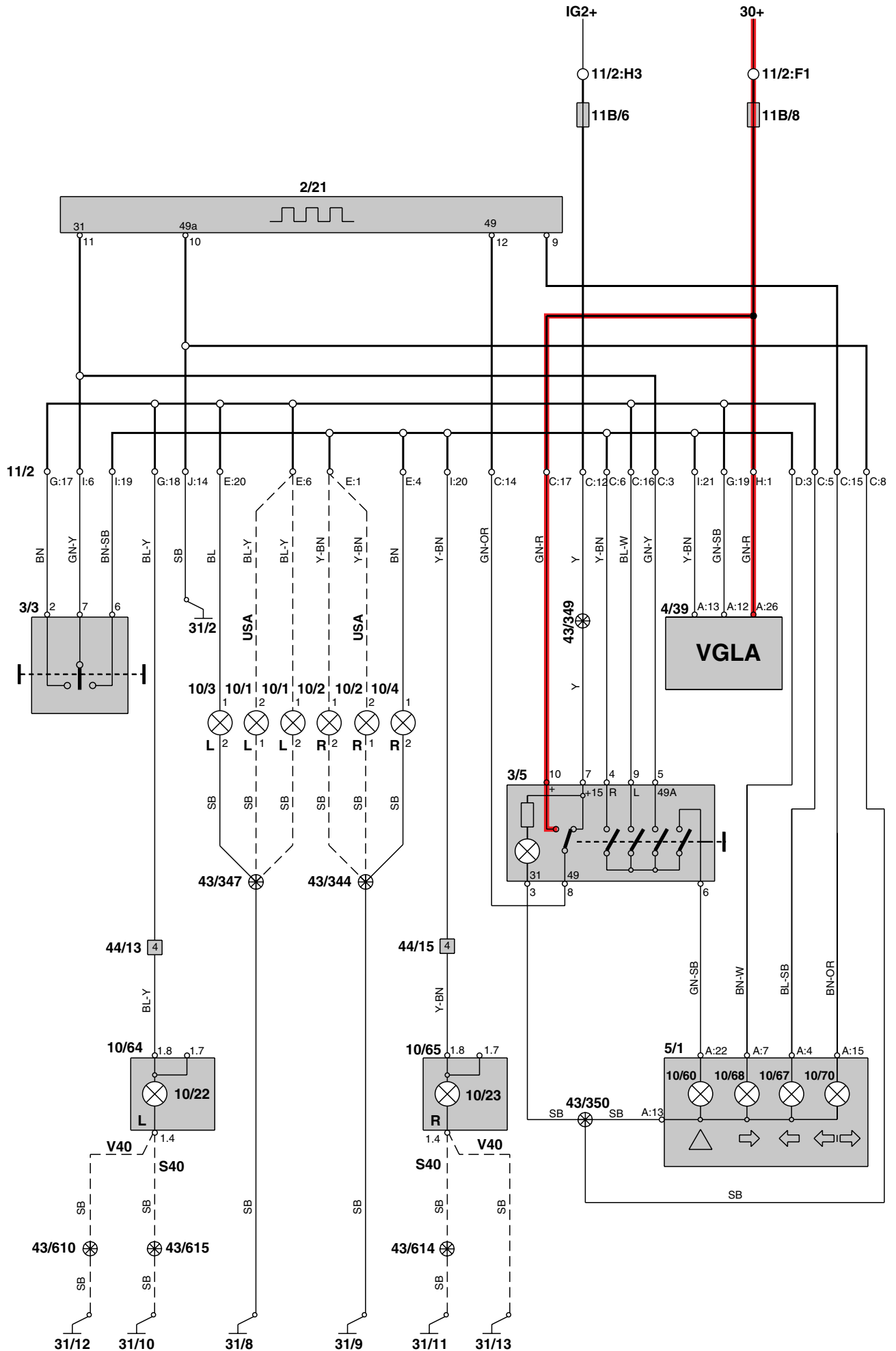
Beam length adjustment



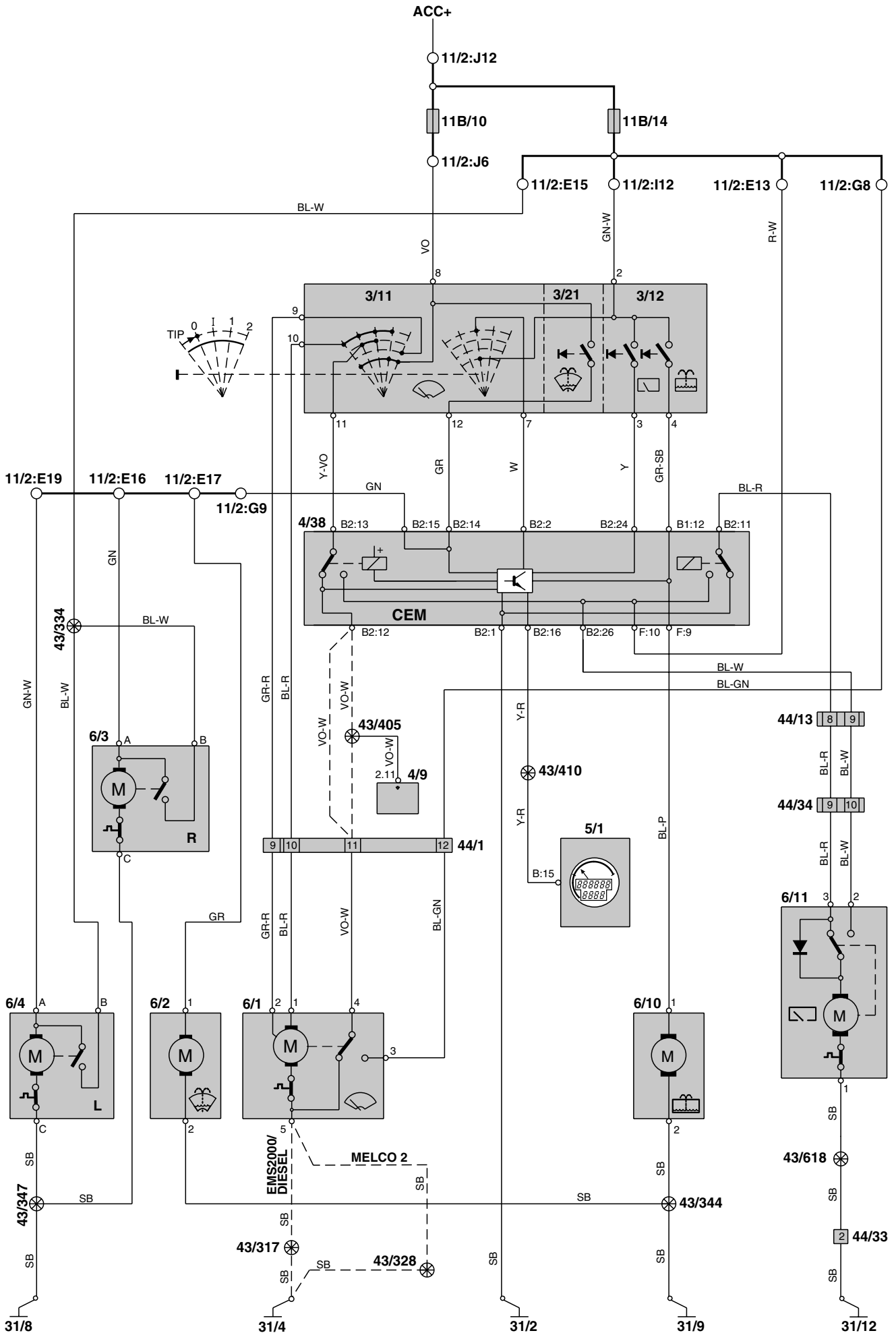
Instrument and control lighting



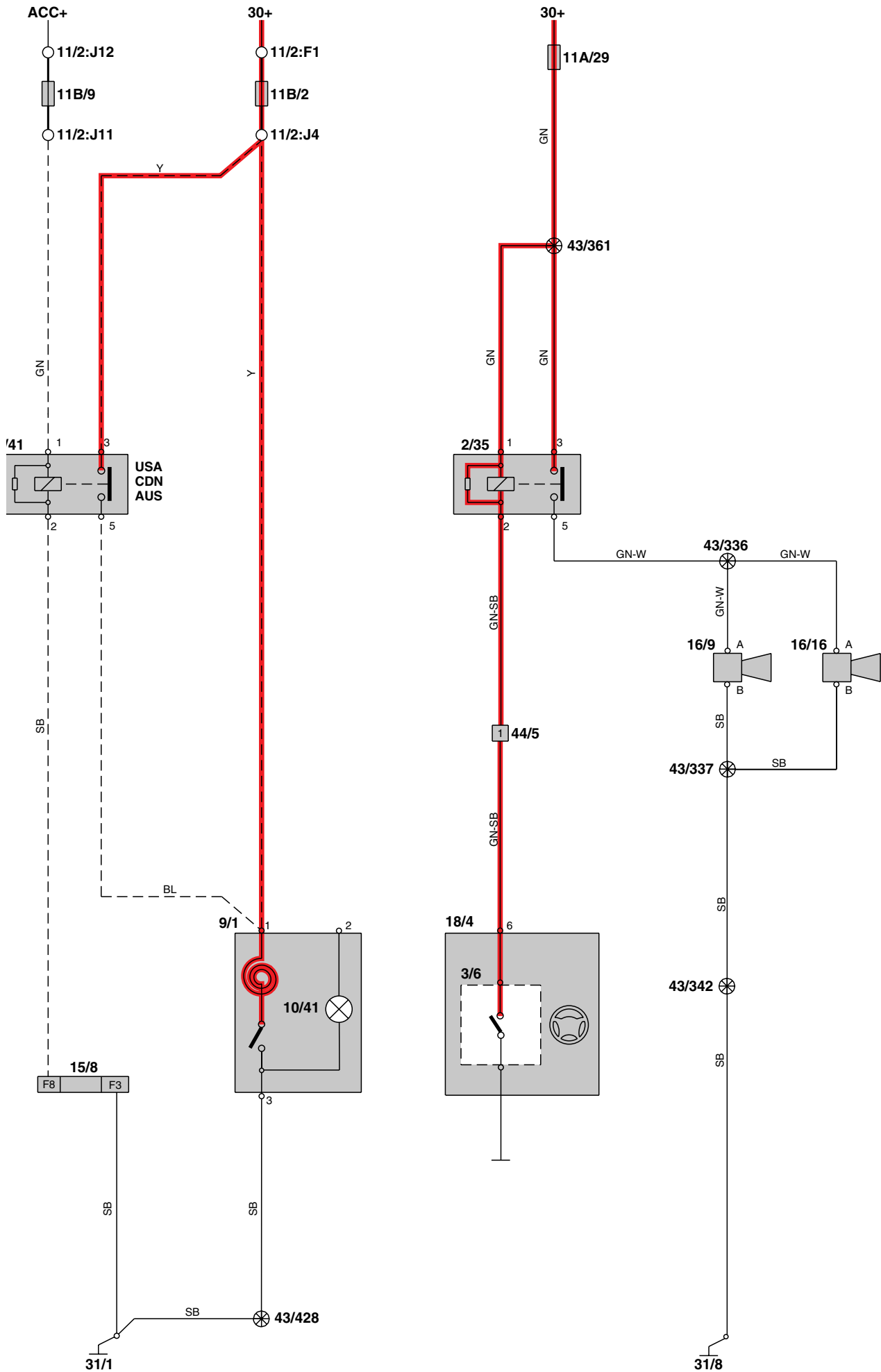
Indicators and warning lights



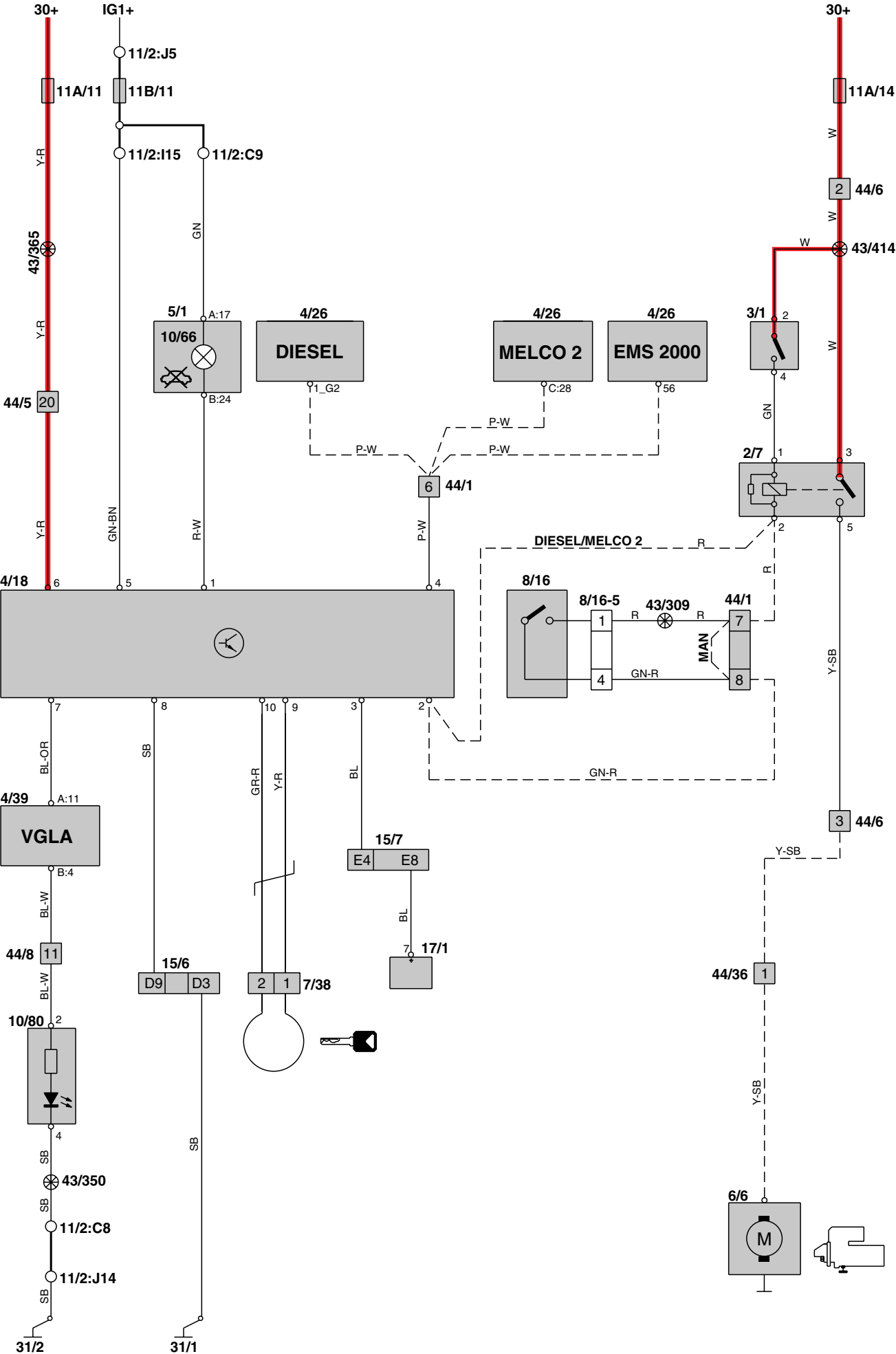
Wiper/washer, windshield, headlights and rear window



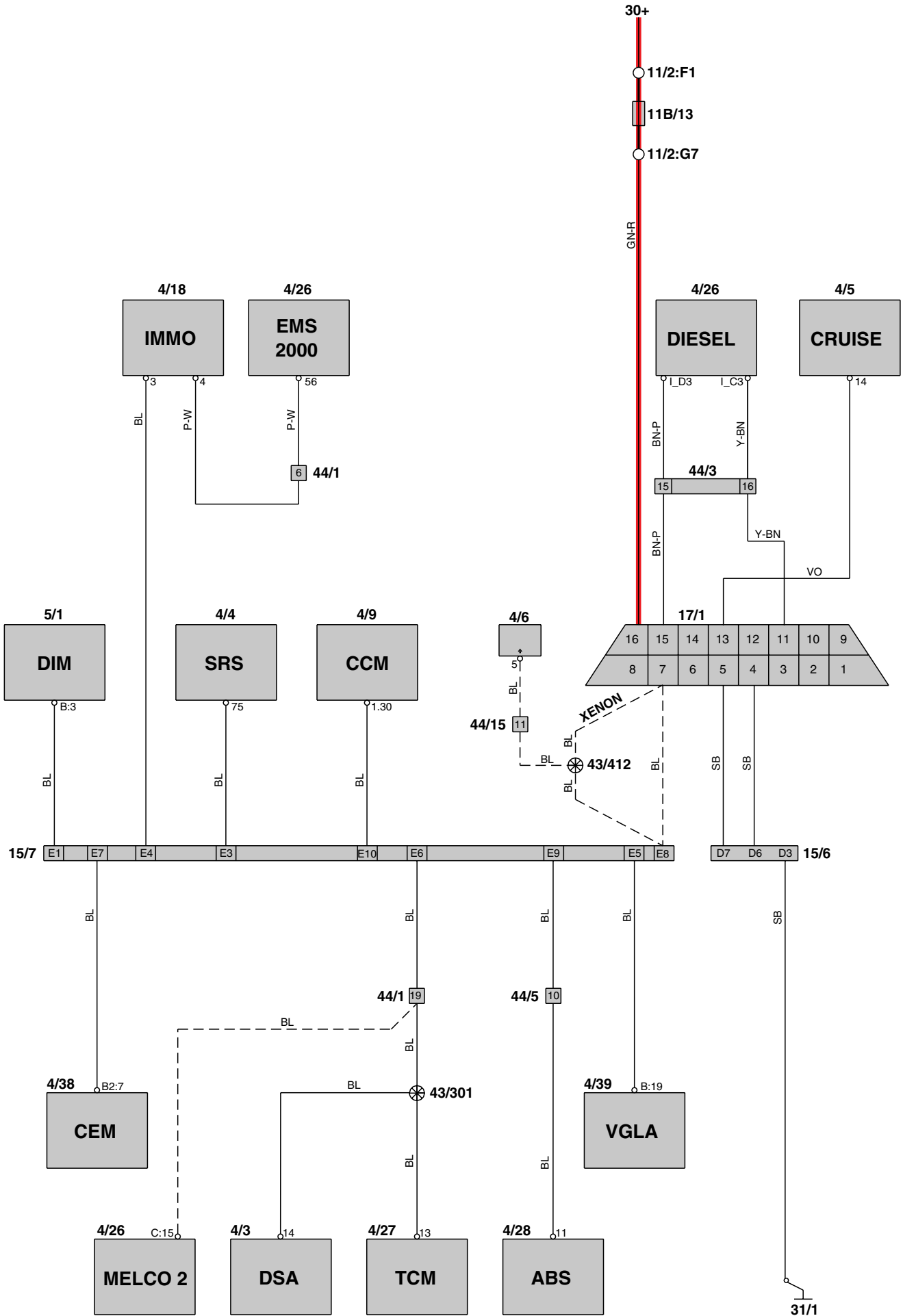
12V outlet and horn



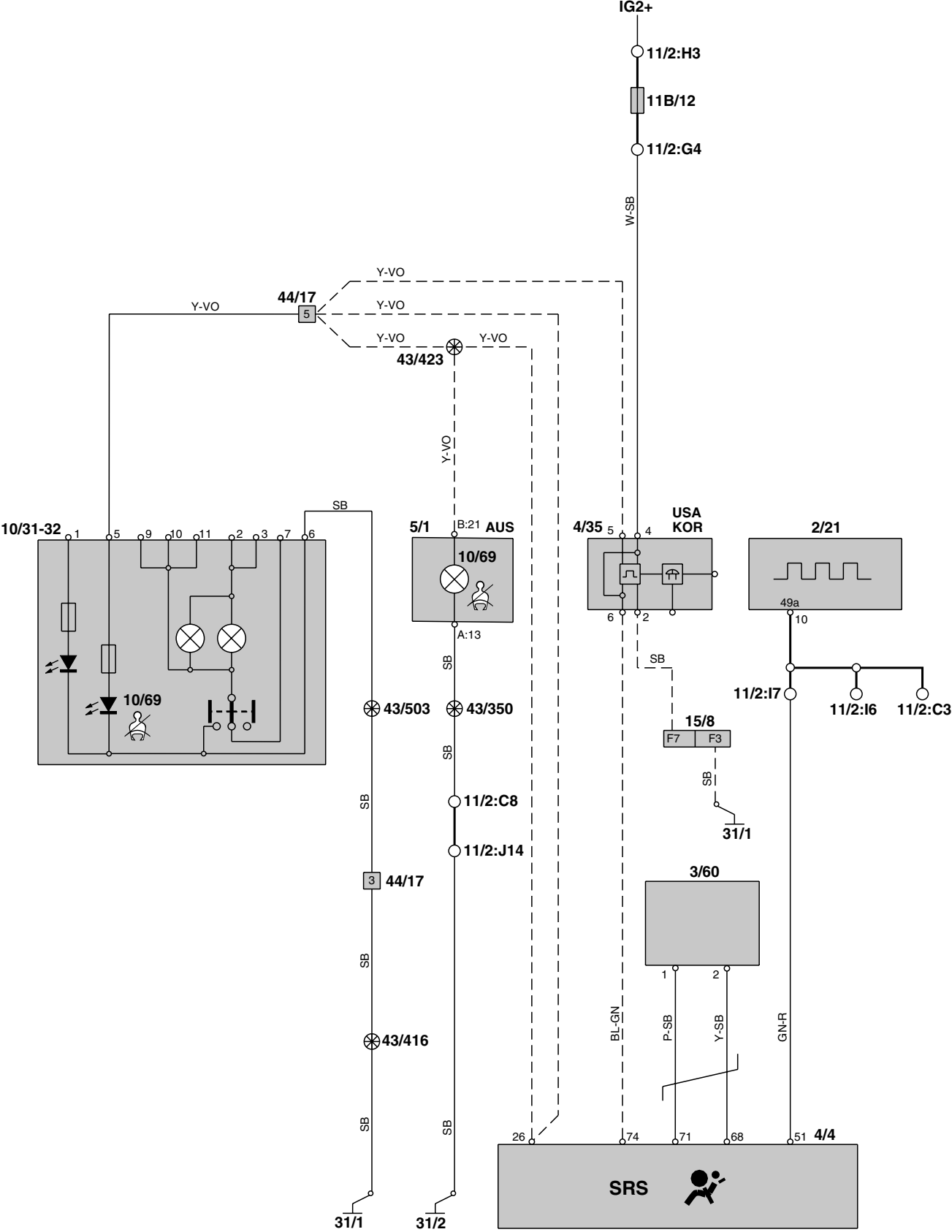
Electronic immobilizer

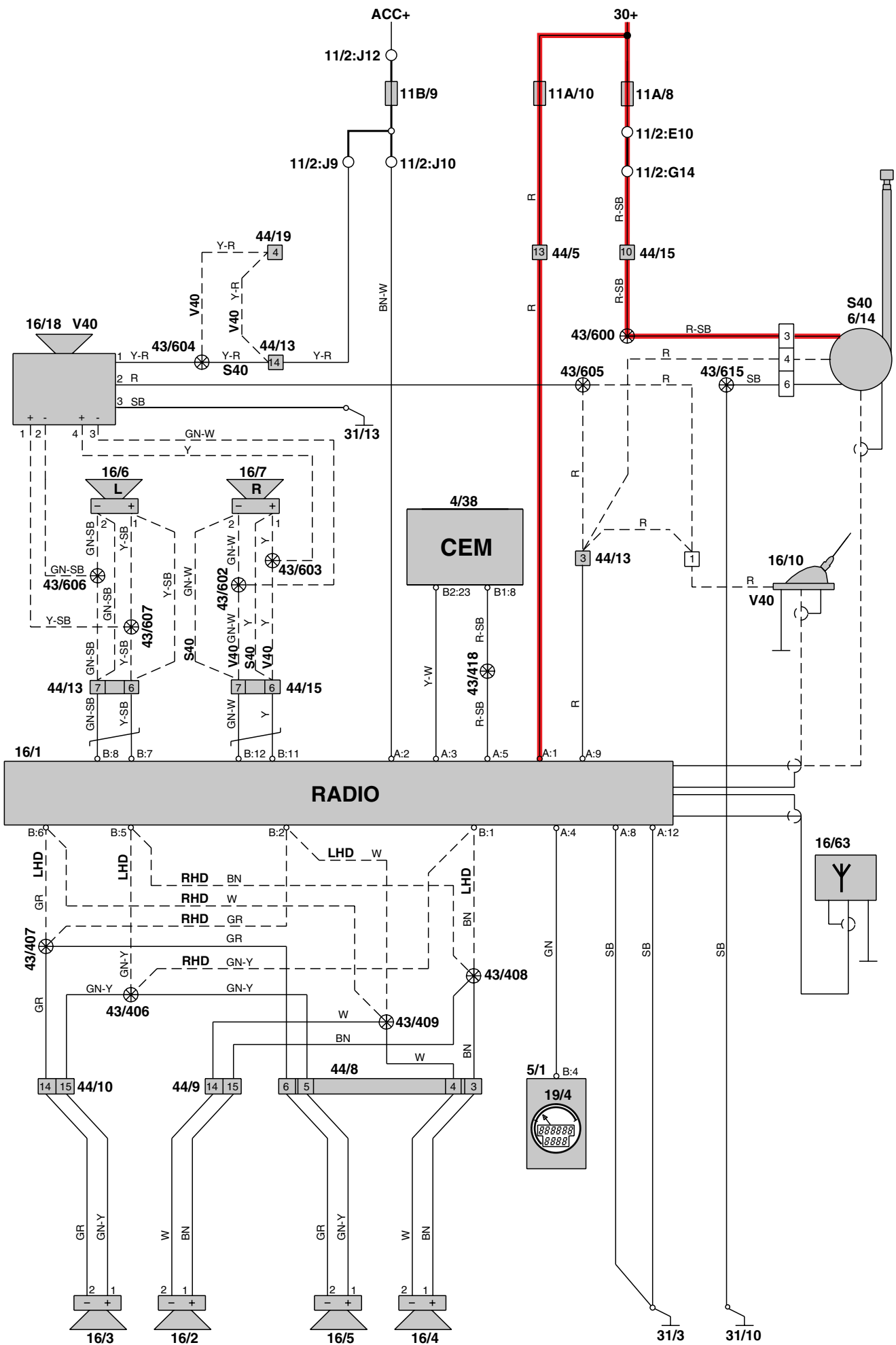


Group 37 Diagnostics system

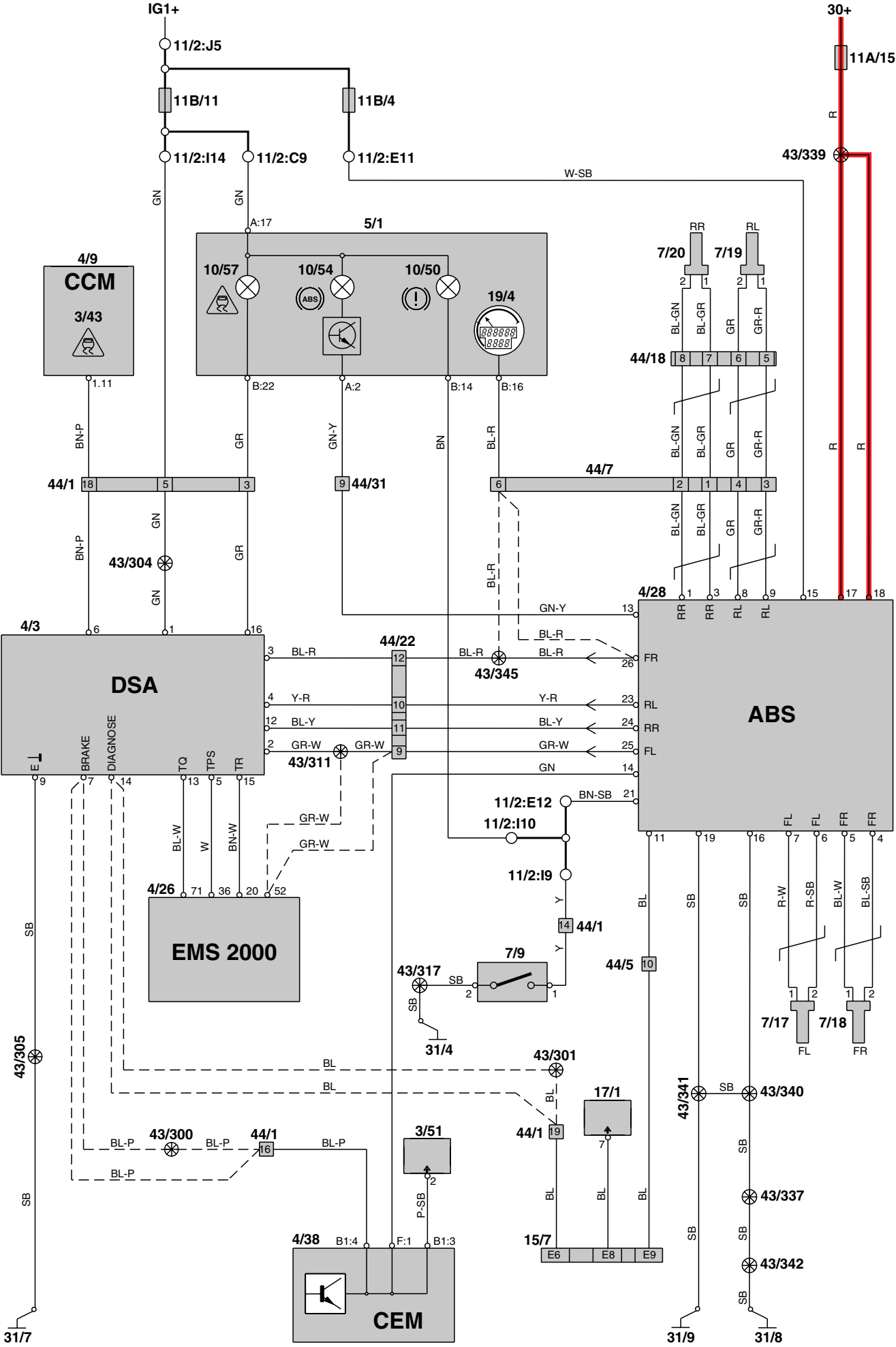


Group 38
Seat belt reminder



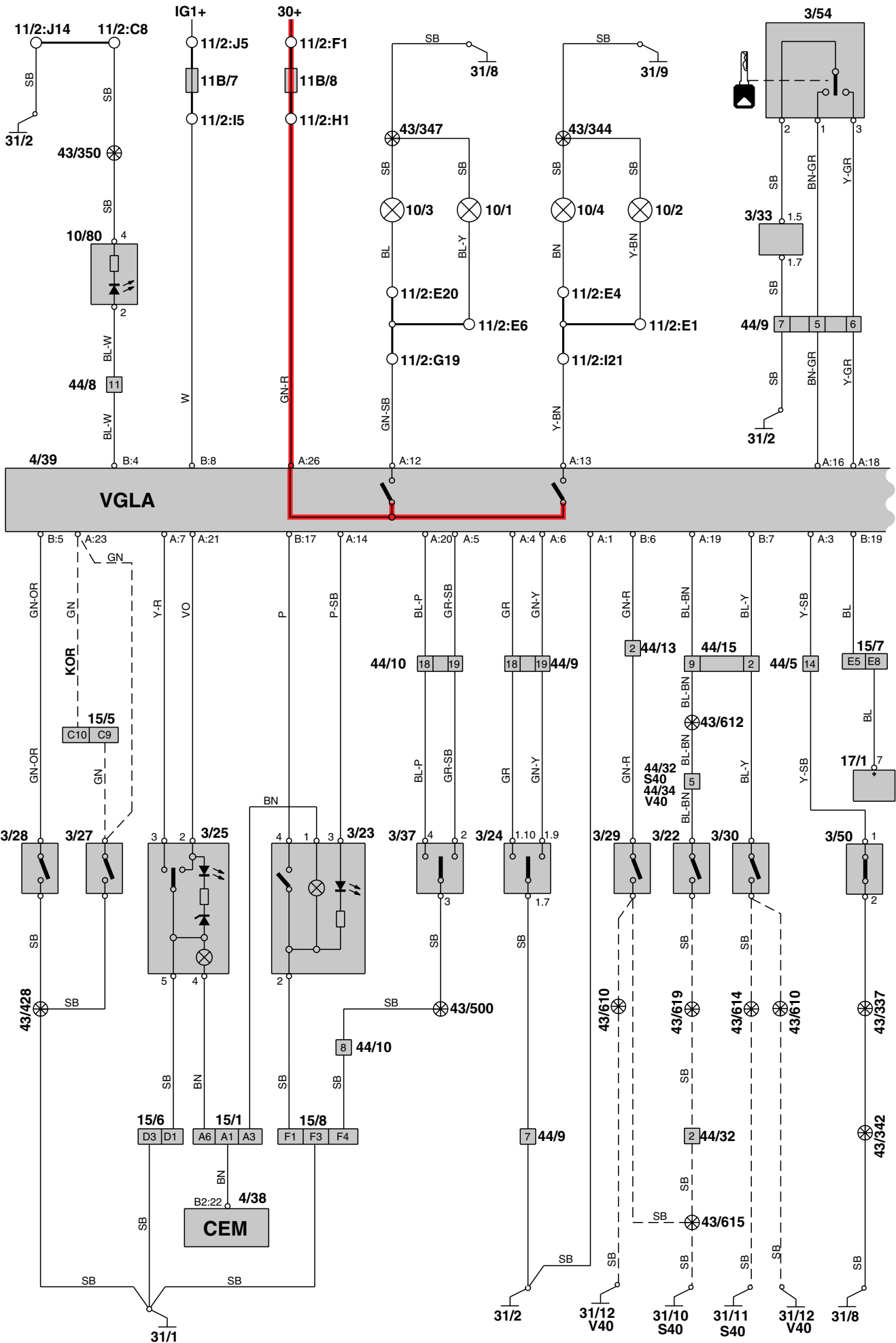


Group 59 ABS, DSA

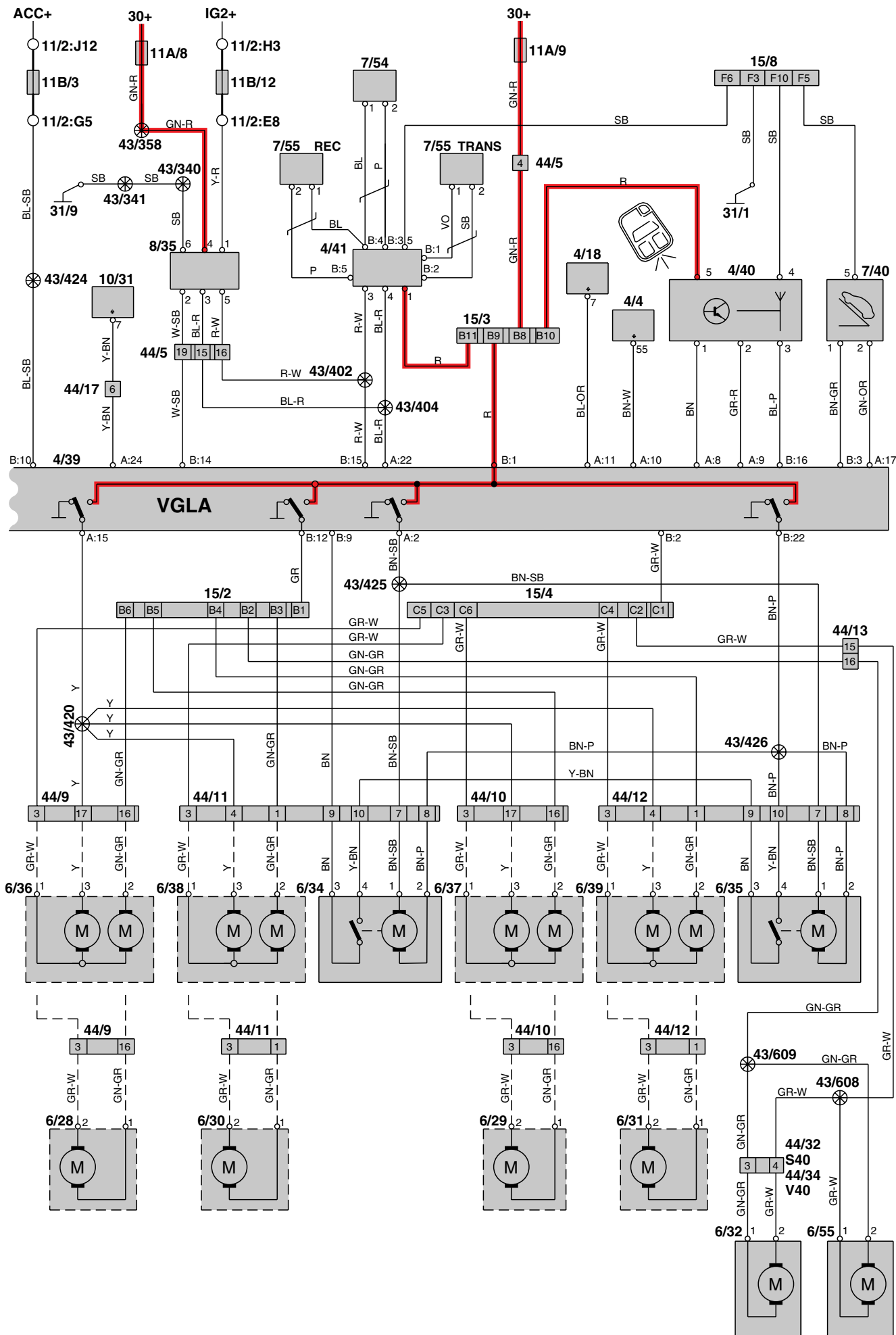


Group 83, 36

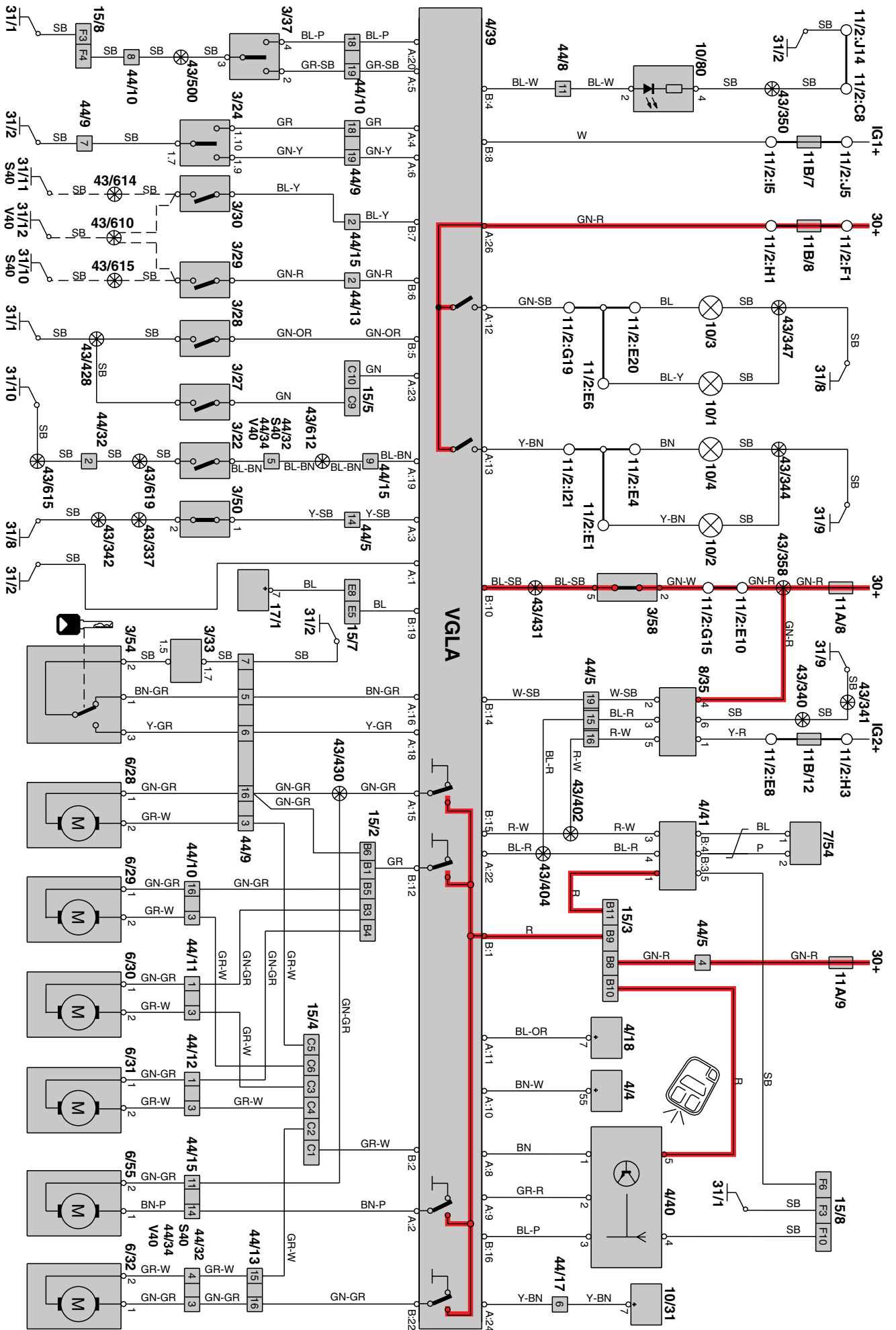
Central locking and anti-theft alarm EU/OS



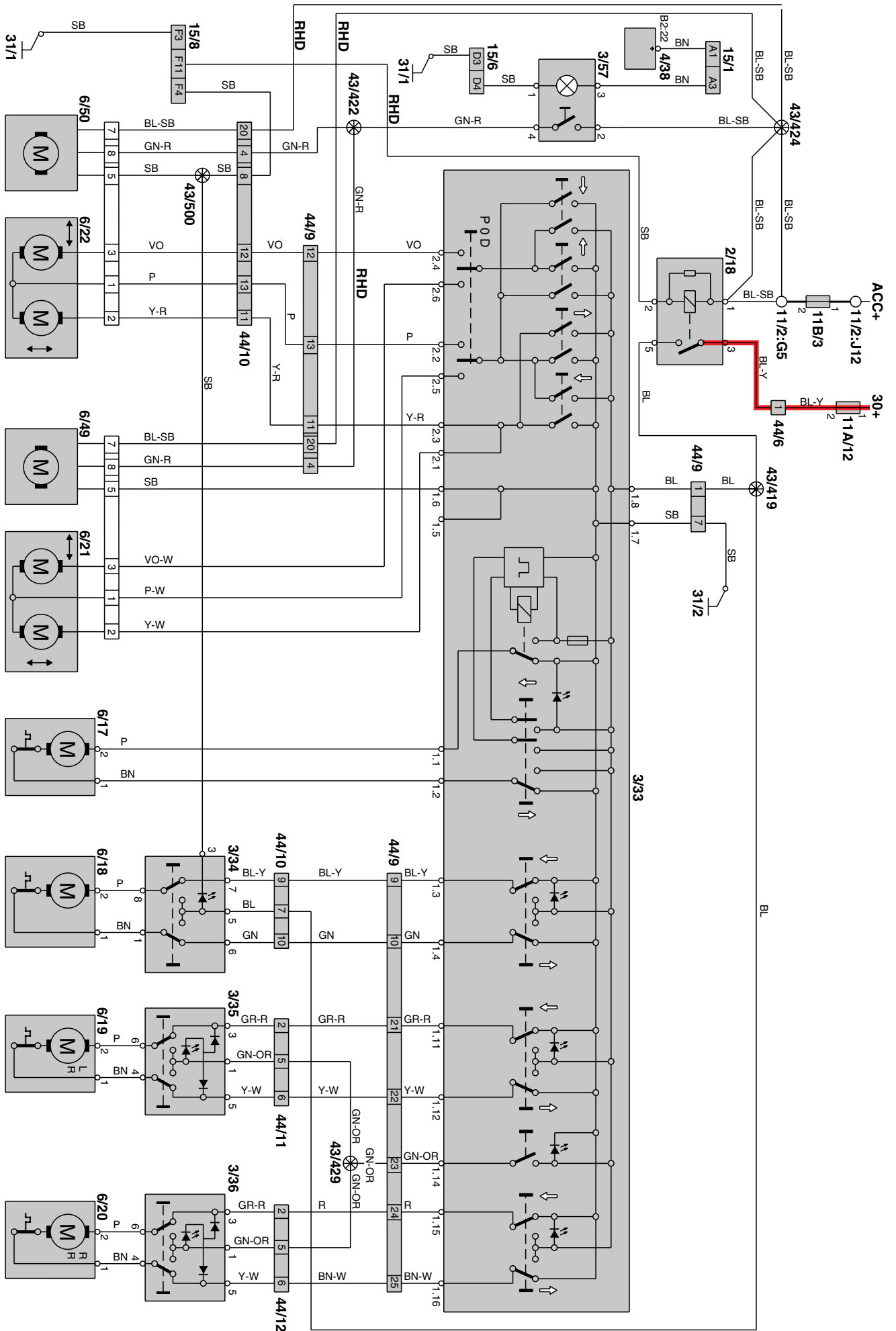
Central locking and anti-theft alarm EU/OS



Central locking and anti-theft alarm USA

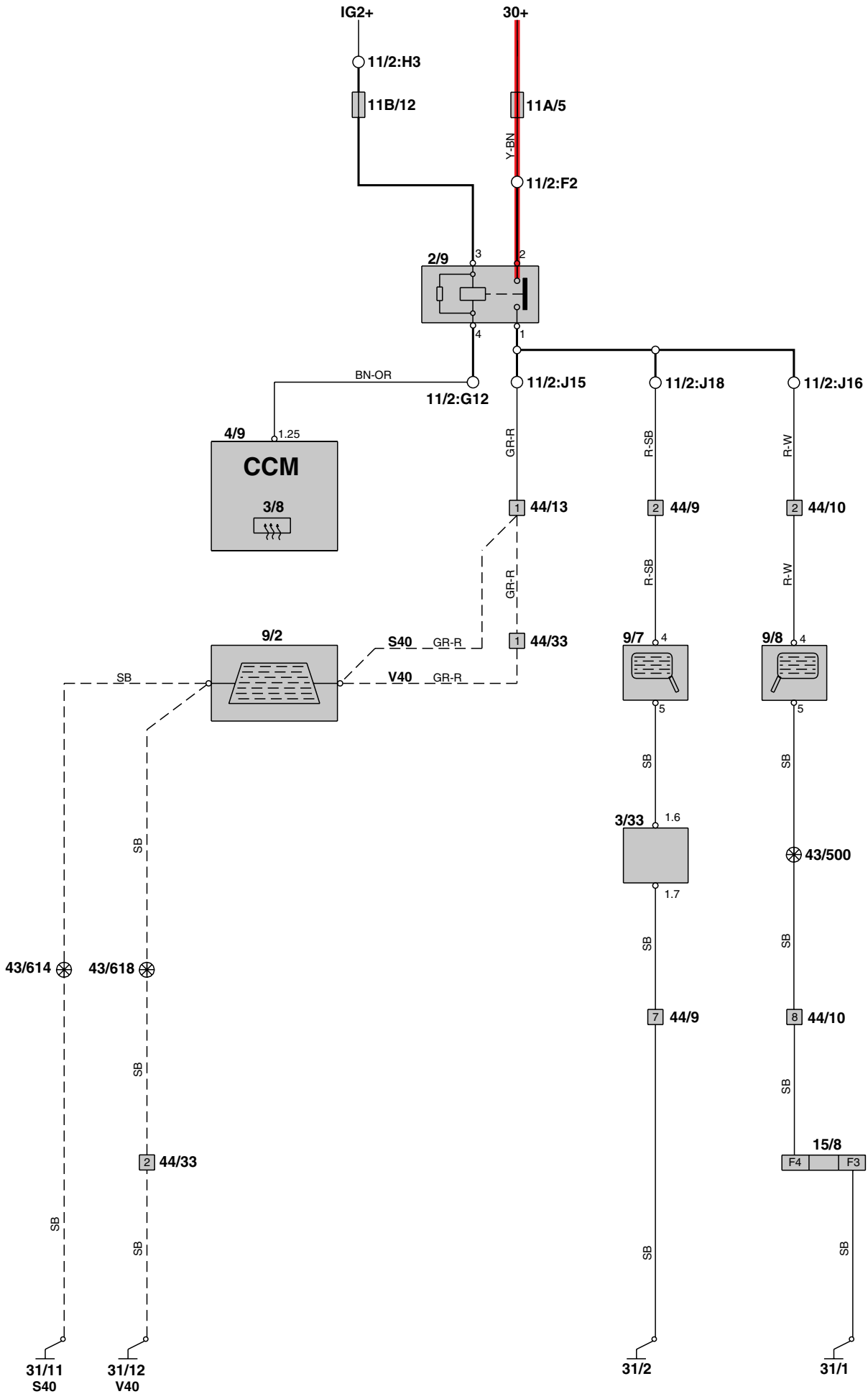


Group 83, 84 Power windows and door mirrors

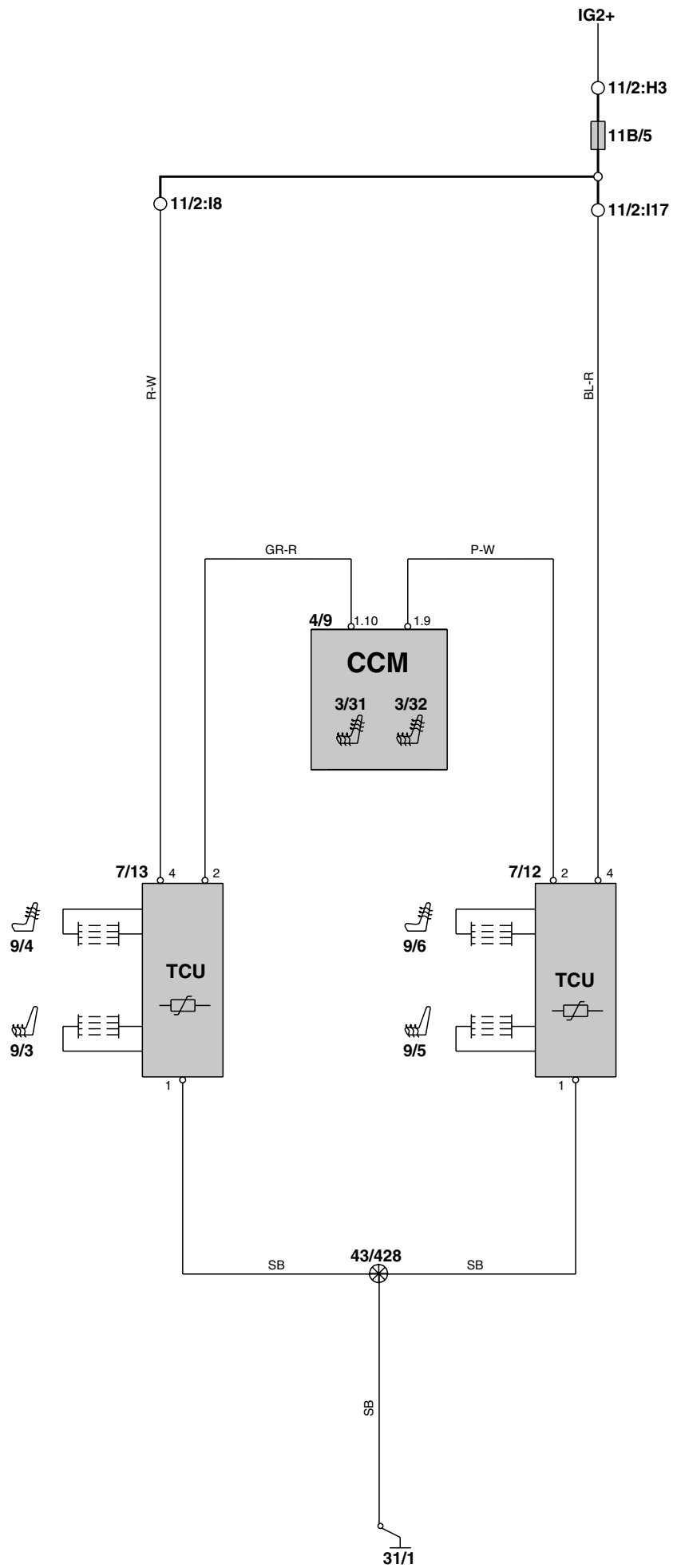


Group 84

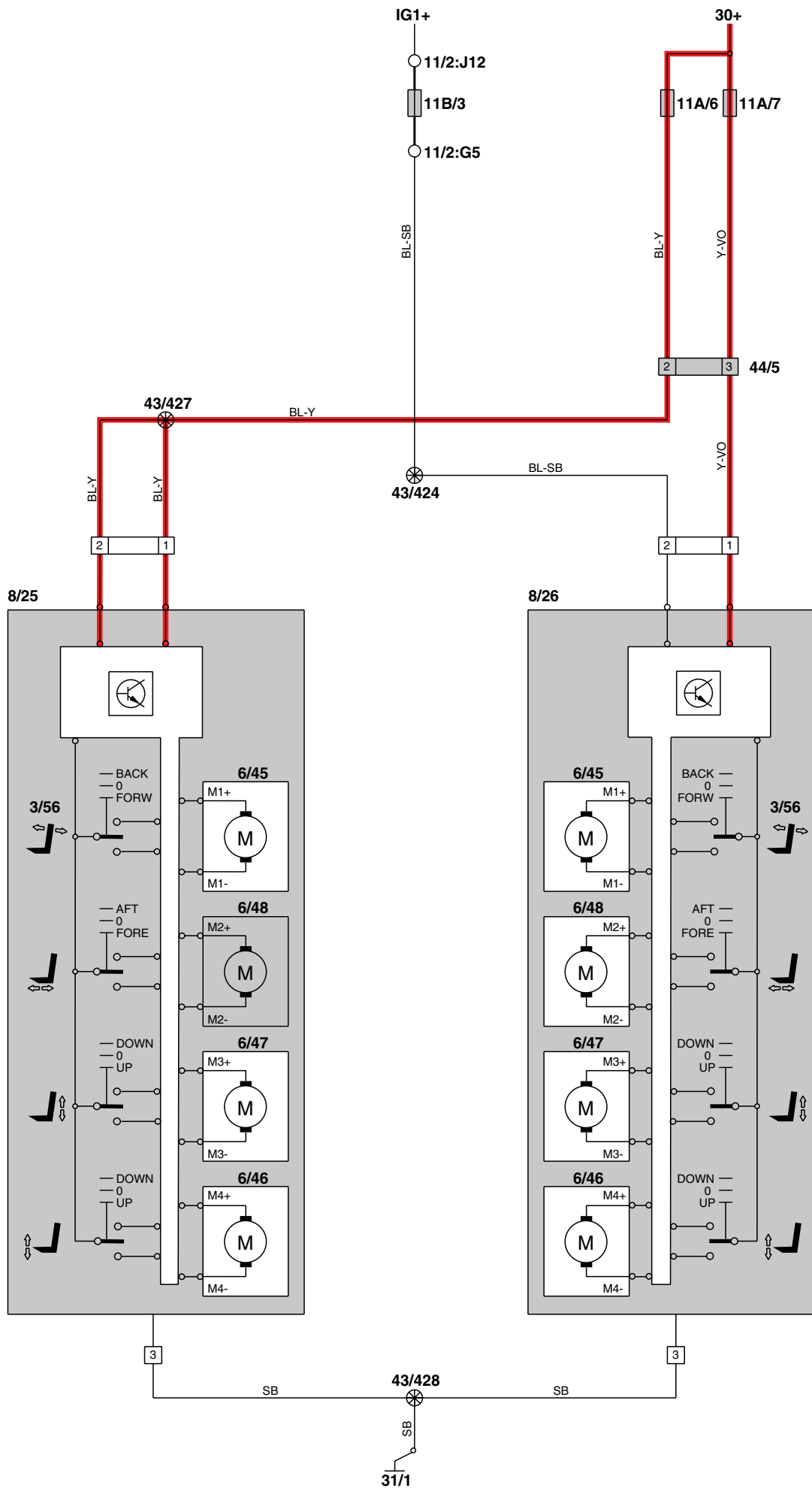
Heated rear window and door mirrors



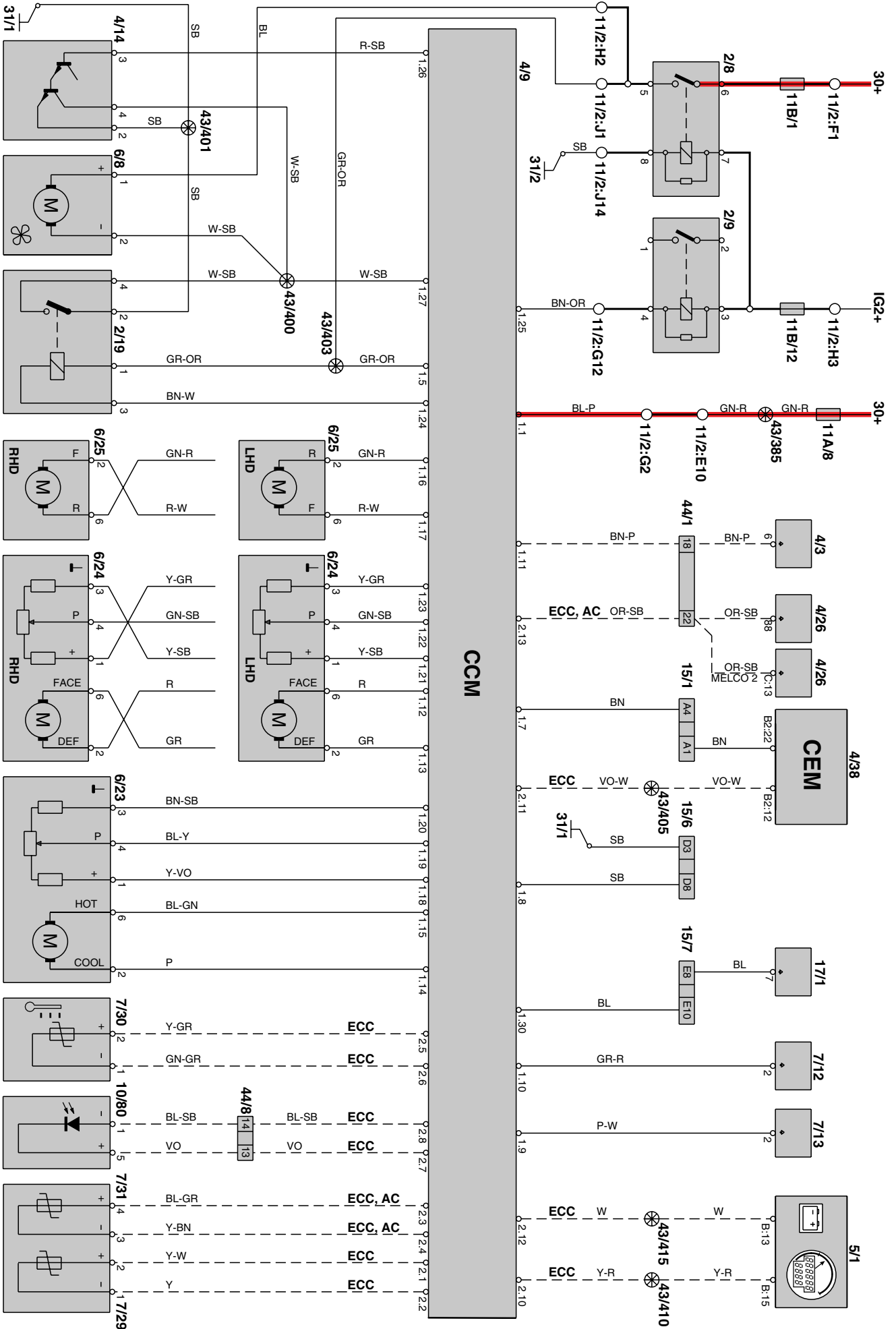
Group 85 Heated seats



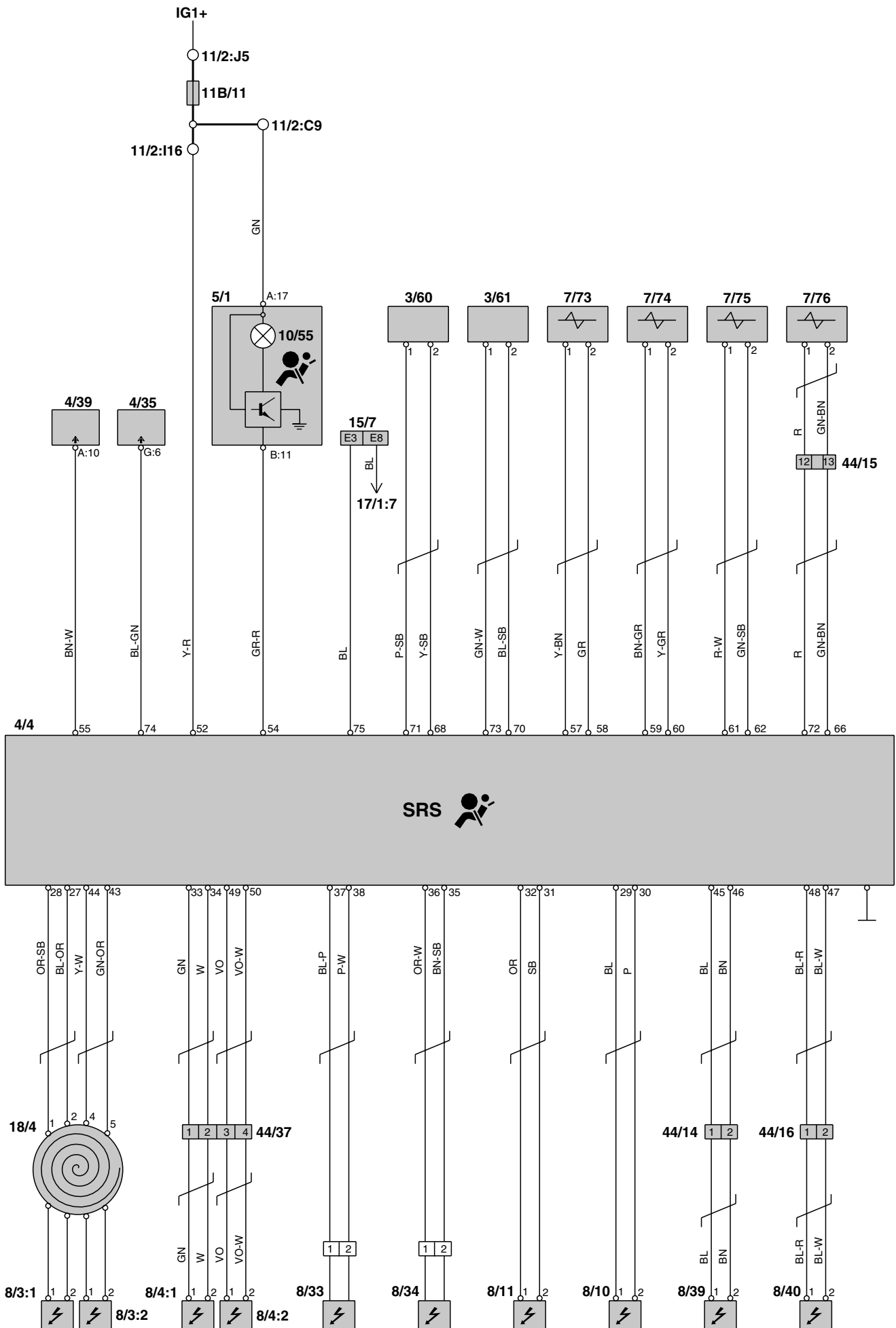
Power seats



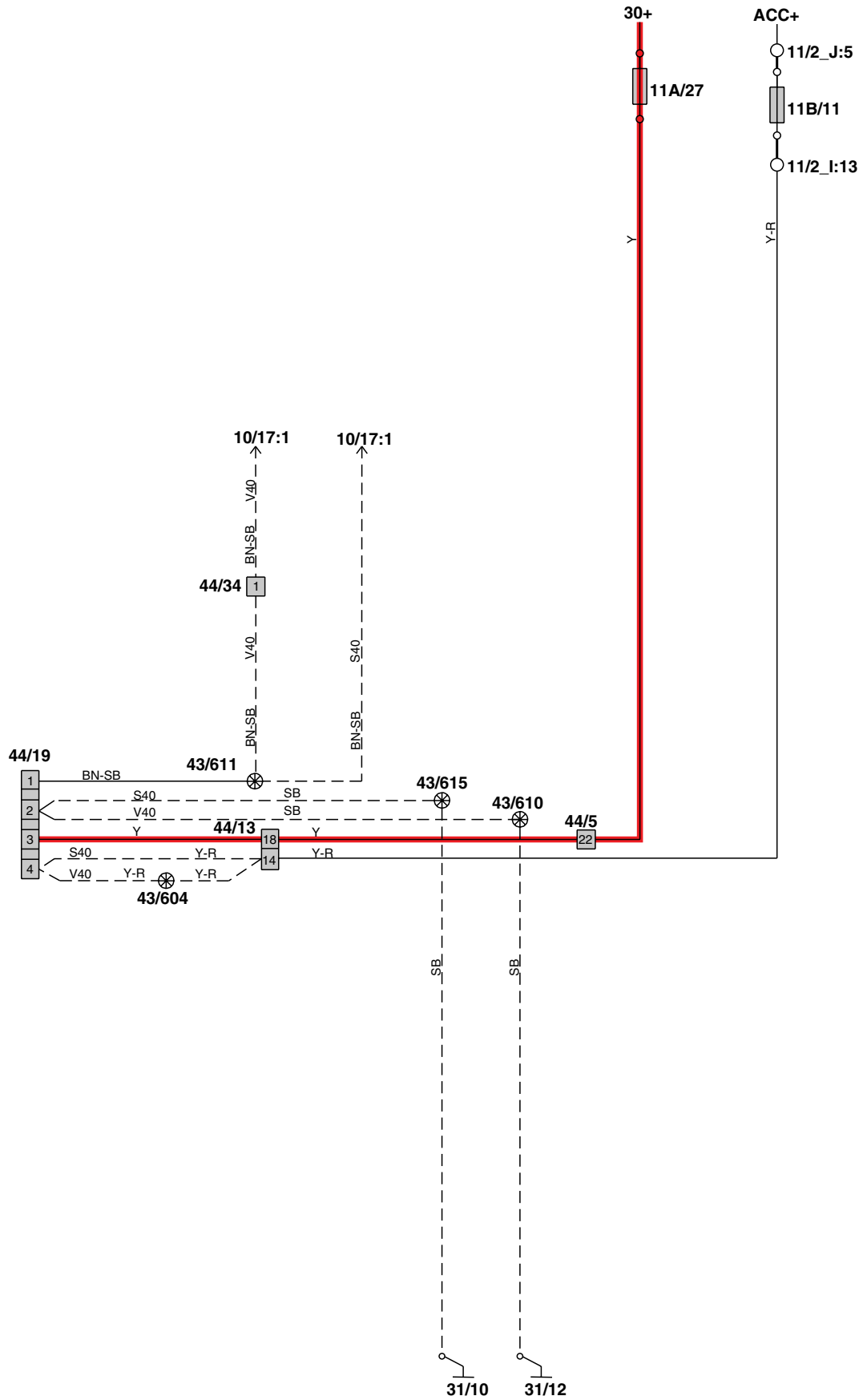
Group 87 Climate control system



Group 88 SRS Supplemental Restraint System



Towing bracket wiring



Connectors

44/1 EMS 2000

44/1 22-pin

Passenger compartment harness - Motor harness EMS 2000

No.	Passenger compartment		Engine EMS 2000	
1	Combined instrument panel 5/1_B:23	BL-Y	Engine management system 4/26:34	BL-Y
2	Combined instrument panel 5/1_B7	P	Engine management system 4/26:70	P
3	Combined instrument panel 5/1_B:22	GR	Control module, Dynamic Stability Assistance (DSA) 4/3:16	GR
4	Fuse box in passenger compartment 11/2_I:2	BL-SB	Automatic transmission 8/16_5:3 Auto Reversing light contact 3/10:1	BL-SB
5	Fuse box in passenger compartment 11/2_I:14	GN	Junction point 43/304 Auto, DSA Engine management system 4/26:29	GN
6	Control module, electronic immobilizer 4/18:4	P-W	Engine management system 4/26:56	P-W
7	Relay, starter motor 2/7:2	R	Junction point 43/309 Auto Connector 44/1:8	R
8	Control module, electronic immobilizer 4/18:2	GN-R	Automatic transmission 8/16_5:4 Auto Connector 44/1:7	GN-R R
9	Wiper switch, windshield/rear window 3/11:9	GR-R	Motor, windshield wiper 6/1:2	GR-R
10	Wiper switch, windshield/rear window 3/11:10	BL-R	Motor, windshield wiper 6/1:1	BL-R
11	Central Electronic Module CEM 4/38_B2:12 Junction point 43/405 ECC	VO-W	Motor, windshield wiper 6/1:4	VO-W
12	Fuse box in passenger compartment 11/2_G:8	BL-GN	Motor, windshield wiper 6/1:3	BL-GN
13	Combined instrument panel 5/1_B:20	Y-W	Oil pressure sensor 7/7	Y-W
14	Fuse box in passenger compartment 11/2_I:9	Y	Brake fluid level sensor 7/9:1	Y
15	Combined instrument panel 5/1_B:10	GN-Y	Engine management system 4/26:11	GN-Y
16	Central Electronic Module CEM 4/38_B1:4	BL-P	Control module, Dynamic Stability Assistance (DSA) 4/3:7 Transmission Control Module TCM 4/27:38 Junction point 43/300 Auto, DSA	BL-P
17	Junction point 43/418	R-SB	Automatic transmission 8/16_5:2 Reversing light contact 3/10:2	R-SB
18	Climate Control Module CCM 4/9_1:11	BN-P	Control module, Dynamic Stability Assistance (DSA) 4/3:6	BN-P
19	Distribution rail 15/7:E6	BL	Junction point 43/301 DSA Control module, Dynamic Stability Assistance (DSA) 4/3:14 Transmission Control Module TCM 4/27:13	BL
20	Combined instrument panel 5/1_B:13 Junction point 43/415 ECC	W	Generator 6/7:61	W
21	Combined instrument panel 5/1_B:5	BN-GR	Engine management system 4/26:40	BN-GR
22	Climate Control Module CCM 4/9_2:13	OR-SB	Engine management system 4/26:88	OR-SB

44/1 22-pin

Passenger compartment harness, Engine harness Melco 2

No.	Passenger compartment		Engine Melco 2	
1	Combined instrument panel 5/1_B:23	BL-Y	Engine management system 4/26_A:31	BL-Y
2	Combined instrument panel 5/1_B7	P	Junction point 43/379	P
3	Junction point 43/410 Combined instrument panel 5/1_B:22	Y-R GR	Engine management system 4/26_C:10	Y-R
4	Fuse box in passenger compartment 11/2_I:2	BL-SB	Reversing light contact 3/10:1	BL-SB
5	Fuse box in passenger compartment 11/2_I:14	GN	Engine management system 4/26_C:29	GN
6	Control module, electronic immobilizer 4/18:4	P-W	Engine management system 4/26_C:28	P-W
7	Catalytic converter temperature sensor 7/14:2	GN-SB	Junction point 43/320	GN-SB
8	Contact, clutch pedal, cruise control 3/15:2 Control module, electronic immobilizer 4/18:2	BN-SB GN-R	Engine management system 4/26_B:26	BN-SB
9	Wiper switch, windshield/rear window 3/11:9	GR-R	Motor, windshield wiper 6/1:2	GR-R
10	Wiper switch, windshield/rear window 3/11:10	BL-R	Motor, windshield wiper 6/1:1	BL-R
11	Central Electronic Module CEM 4/38_B2:12 Junction point 43/405 ECC	VO-W	Motor, windshield wiper 6/1:4	VO-W
12	Fuse box in passenger compartment 11/2_G:8	BL-GN	Motor, windshield wiper 6/1:3	BL-GN
13	Combined instrument panel 5/1_B:20	Y-W	Connector 44/27:2	Y-W
14	Fuse box in passenger compartment 11/2_I:9	Y	Brake fluid level sensor 7/9:1	Y
15	Combined instrument panel 5/1_B:10	GN-Y	Engine management system 4/26_A:7	GN-Y
16	Central Electronic Module CEM 4/38_B1:4	BL-P	Engine management system 4/26_B:23	BL-P
17	Junction point 43/418	R-SB	Reversing light contact 3/10:2	R-SB
18	Catalytic converter temperature sensor 7/14:1	W-SB	Engine management system 4/26_A:35	W-SB
19	Distribution rail 15/7:E6	BL	Engine management system 4/26_C:15	BL
20	Combined instrument panel 5/1_B:13	W	Connector 44/27:6	W
21	Combined instrument panel 5/1_B:5	GN-GR	Engine management system 4/26_A:15	BN-GR
22	Climate Control Module CCM 4/9_2:13	OR-SB	Engine management system 4/26_C:13	OR-SB

Connector

44/1 Diesel

44/1 22-pin

Passenger compartment harness - Engine harness Diesel

No.	Passenger compartment		Engine Diesel	
1	Combined instrument panel 5/1_B:23	BL-Y	Engine management system 4/26_1:H3	BL-Y
2	Combined instrument panel 5/1_B7	P	Engine management system 4/26_1:D4	P
3	Combined instrument panel 5/1_B:22 Junction point 43/410	GR Y-R	Engine management system 4/26_1:E4	Y-R
4	Fuse box in passenger compartment 11/2_I:2	BL-SB	Reversing light contact 3/10:1	BL-SB
5	Fuse box in passenger compartment 11/2_I:14	GN	Engine management system 4/26_2:E3	GN
6	Control module, electronic immobilizer 4/18:4	P-W	Engine management system 4/26_1:G2	P-W
7	-	-	-	-
8	Contact, clutch pedal, cruise control 3/15:2 Control module, electronic immobilizer 4/18:2	BN-SB GN-R	Engine management system 4/26_1:E2	BN-SB
9	Wiper switch, windshield/rear window 3/11:9	GR-R	Motor, windshield wiper 6/1:2	GR-R
10	Wiper switch, windshield/rear window 3/11:10	BL-R	Motor, windshield wiper 6/1:1	BL-R
11	Central Electronic Module CEM 4/38_B2:12 Junction point 43/405	VO-W	Motor, windshield wiper 6/1:4	VO-W
12	Fuse box in passenger compartment 11/2_G:8	BL-GN	Motor, windshield wiper 6/1:3	BL-GN
13	Combined instrument panel 5/1_B:20	Y-W	Oil pressure sensor 7/7	Y-W
14	Fuse box in passenger compartment 11/2_I:9	Y	Brake fluid level sensor 7/9:1	Y
15	Combined instrument panel 5/1_B:10	GN-Y	Engine management system 4/26_3:H4	GN-Y
16	Central Electronic Module CEM 4/38_B1:4	BL-P	Engine management system 4/26_1:F3	BL-P
17	Junction point 43/418	R-SB	Reversing light contact 3/10:2	R-SB
18	-	-	-	-
19	-	-	-	-
20	Combined instrument panel 5/1_B:13 Junction point 43/415 ECC	W	Generator 6/7:1	W
21	Combined instrument panel 5/1_B:5	BN-GR	Engine management system 4/26_1:E3	BN-GR
22	Climate Control Module CCM 4/9_2:13	OR-SB	Engine management system 4/26_1:G4	OR-SB

44/1 22-pin

Passenger compartment harness - Harness, engine, Bifuel

No.	Passenger compartment		Engine Bifuel	
1	Combined instrument panel 5/1_B:23	BL-Y	Engine management system 4/26:34	BL-Y
2	Combined instrument panel 5/1_B7	P	Junction point 43/379	P
3	Heated oxygen sensor LPG 7/85:1	R-SB	Junction point 43/315	R-SB
4	Fuse box in passenger compartment 11/2_I:2	BL-SB	Reversing light contact 3/10:1	BL-SB
5	Fuse box in passenger compartment 11/2_I:14	GN	Engine management system 4/26:29	GN
6	Control module, electronic immobilizer 4/18:4	P-W	Engine management system 4/26:56	P-W
7	Relay, starter motor 2/7:2	R	Connector 44/1:8	R
8	Control module, electronic immobilizer 4/18:2	GN-R	Connector 44/1:7	R
9	Wiper switch, windshield/rear window 3/11:9	GR-R	Motor, windshield wiper 6/1:2	GR-R
10	Wiper switch, windshield/rear window 3/11:10	BL-R	Motor, windshield wiper 6/1:1	BL-R
11	Central Electronic Module CEM 4/38_B2:12 Junction point 43/405 ECC	VO-W	Motor, windshield wiper 6/1:4	VO-W
12	Fuse box in passenger compartment 11/2_G:8	BL-GN	Motor, windshield wiper 6/1:3	BL-GN
13	Combined instrument panel 5/1_B:20	Y-W	Oil pressure sensor 7/7	Y-W
14	Fuse box in passenger compartment 11/2_I:9	Y	Brake fluid level sensor 7/9:1	Y
15	Combined instrument panel 5/1_B:10	GN-Y	Junction point 43/380	GN-Y
16	Heated oxygen sensor LPG 7/85:2	SB	Junction point 43/305	SB
17	Junction point 43/418	R-SB	Reversing light contact 3/10:2	R-SB
18	Heated oxygen sensor LPG 7/85:3	W-SB	Junction point 43/385	W-SB
19	Heated oxygen sensor LPG 7/85:4	R-W	Control module LPG 4/75_J2:27	R-W
20	Combined instrument panel 5/1_B:13	W	Generator 6/7	W
21	Combined instrument panel 5/1_B:5	BN-GR	Engine management system 4/26:40	BN-GR
22	Climate Control Module CCM 4/9_2:13	OR-SB	Engine management system 4/26:88	OR-SB

Connector 44/2 Melco 2

44/2 16-pin

Passenger compartment harness, Engine harness Melco 2

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

44/3 16-pin

Passenger compartment harness - Engine harness Diesel

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

44/4 6-pin

Passenger compartment harness - Engine harness Auto

No.	Passenger compartment		Engine EMS 2000 Auto	
1	Connector 44/13:11 LHD	GR-R	Engine management system 4/26:35	GR-R
2	Connector 44/13:12 LHD	GN-W	Engine management system 4/26:41	GN-W
3	Combined instrument panel 5/1_B:6	BL-OR	Transmission Control Module TCM 4/27:25	BL-OR
4	Distribution rail 15/1:A5	BN	Junction point 43/303	BN
5	Control module, cruise control, 4/5:2 Gasoline	R	Junction point 43/309	R
6	Contact, brake lights/unlocking gear selector 3/51:3	W	Relay, shift lock 2/23:1	W

Connector 44/5 - 44/6

44/5 22-pin

Passenger compartment harness - Engine compartment harness

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

44/6 3-pin

Passenger compartment harness - Engine compartment harness

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

44/7 8-pin

Passenger compartment harness - Engine compartment harness

No.	Passenger compartment		Engine compartment	
1	Connector 44/18:7	BL-GR	ABS control module 4/28:3	BL-GR
2	Connector 44/18:8	BL-GN	ABS control module 4/28:1	BL-GN
3	Connector 44/18:5	GR-R	ABS control module 4/28:9	GR-R
4	Connector 44/18:6	GR	ABS control module 4/28:8	GR
5	-	-	-	-
6	Combined instrument panel 5/1_B:16	BL-R	ABS control module 4/28:26 Junction point 43/345 DSA	BL-R
7	-	-	-	-
8	-	-	-	-

44/8 14-pin

Passenger compartment harness - Dashboard harness

No.	Passenger compartment		Dashboard	
1	Junction point 43/411	BL-R	Combined instrument panel 5/1_A:18	BL-R
2	-	-	-	-
3	Junction point 43/408	BN	Dashboard speaker, driver's side 16/4:1	BN
4	Junction point 43/409	W	Dashboard speaker, driver's side 16/4:2	W
5	Junction point 43/406	GN-Y	Dashboard speaker, passenger side 16/5:1	GN-Y
6	Junction point 43/407	GR	Dashboard speaker, passenger side 16/5:2	GR
7	Wiper switch, windshield/rear window 3/11:5	R	Central Electronic Module CEM 4/38_I:3	R
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	Control module for locks and alarm, VGLA 4/39_B:4	BL-W	Alarm indication, solar sensor/electronic immobilizer 10/80:2	BL-W
12	-	-	-	-
13	Climate Control Module CCM 4/9_2:7	VO	Alarm indication, solar sensor/electronic immobilizer 10/80:5	VO
14	Climate Control Module CCM 4/9_2:8	BL-SB	Alarm indication, solar sensor/electronic immobilizer 10/80:1	BL-SB

Connector

44/9

44/9 26-pin

Passenger compartment harness - Driver's door harness

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

44/10 20-pin

Passenger compartment harness - Passenger door harness

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

Connector 44/11 - 44/12

44/11 10-pin

Passenger compartment harness - Passenger door harness

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

44/12 10-pin

Passenger compartment harness - Passenger door harness

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

44/13 18-pin

Passenger compartment harness - Rear harness

No.	Passenger compartment		Rear	
1	Fuse box in passenger compartment 11/2_J:15	GR-R	Heated rear window 9/2 S40 Connector 44/33:1 V40	GR-R
2	Control module for locks and alarm, VGLA 4/39_B:6	GN-R	Contact, RL door 3/29:1	GN-R
3	Radio 16/1_A:9	R	Power antenna 6/14:4 S40 Antenna amplifier 16/10 V40 Junction point 43/605 V40	R
4	Fuse box in passenger compartment 11/2_G:18	BL-Y	RL lamp housing 10/64:1.8	BL-Y
5	Fuse box in passenger compartment 11/2_G:10	GR-SB	RL lamp housing 10/64:1.2	GR-SB
6	Radio 16/1_B:7	Y-SB	LH speaker, rear shelf 16/6:1 S40 LHD Junction point 43/607 V40	Y-SB
7	Radio 16/1_B:8	GN-SB	LH speaker, rear shelf 16/6:2 S40 LHD Junction point 43/606 V40	GN-SB
8	Central Electronic Module CEM 4/38_B2:11	BL-R	Connector 44/34:9 V40	BL-R
9	Central Electronic Module CEM 4/38_B2:26	BL-W	Connector 44/34:10 V40	BL-W
10	Central Electronic Module CEM 4/38_B1:11	BL	RL lamp housing 10/64:2.1 S40 Connector 44/34:7 V40	BL
11	Connector 44/4:1 LHD Connector 44/5:17	GR-R BL-SB	Leakage Diagnostic Pump (LDP) 7/78:3 USA Control module, xenon lamps 4/6:1	GR-R BL-SB
12	Connector 44/4:2 LHD Connector 44/5:12	GN-W P	Leakage Diagnostic Pump (LDP) 7/78:4 USA Control module, xenon lamps 4/6:7	GN-W P
13	Connector 44/5:11 LHD USA Connector 44/5:9	R-SB GR	Leakage Diagnostic Pump (LDP) 7/78:2 USA Control module, xenon lamps 4/6:2	R-SB GR
14	Fuse box in passenger compartment 11/2_J:9	Y-R	Connector 44/19:4 Junction point 43/604 V40	Y-R
15	Distribution rail 15/4:C2	GR-W	Junction point 43/608 EU/OS Connector 44/32:4 S40 USA Connector 44/34:4 USA	GR-W
16	Distribution rail 15/2:B2 Control module for locks and alarm, VGLA 4/39_B:22 USA	GN-GR	Junction point 43/609 EU/OS Connector 44/32:3 S40 USA Connector 44/34:3 V40 USA	GN-GR
17	Central Electronic Module CEM 4/38_B1:9	VO-W	RL lamp housing 10/64_2:8 S40 Connector 44/34:8 V40	VO-W
18	Connector 44/5:22	Y	Connector 44/19:3	Y

Connector 44/14 - 44/16

44/14 4-pin Passenger compartment harness - Rear harness

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

44/15 14-pin Passenger compartment harness - Rear harness

No.	Passenger compartment		Rear	
1	Central Electronic Module CEM 4/38_B1:2	BL-R	Junction point 43/601	BL-R
2	Control module for locks and alarm, VGLA 4/39_B:7	BL-Y	Contact, RR door 3/30:1	BL-Y
3	Central Electronic Module CEM 4/38_B1:10	BN-SB	Junction point 43/611	BN-SB
4	Fuse box in passenger compartment 11/2_I:20	Y-BN	RR lamp housing 10/65:8	Y-BN
5	Central Electronic Module CEM 4/38_B1:6	GN	RR lamp housing 10/65:6	GN
6	Radio 16/1_B:11	Y	RH speaker, rear shelf 16/7:1 S40 Junction point 43/603 V40	Y
7	Radio 16/1_B:12	GN-W	RH speaker, rear shelf 16/7:2 S40 Junction point 43/602 V40	GN-W
8	Connector 44/39:2 Bifuel	GN-R	Cut-off valve, tank 8/43:2 Bifuel	GN-R
9	Control module for locks and alarm, VGLA 4/39_A:19	BL-BN	Junction point 43/612	BL-BN
10	Fuse box in passenger compartment 11/2_G:14	R-SB	Junction point 43/600	R-SB
11	Junction point 43/430 USA Junction point 43/412	GN-GR BL	Lock motor, fuel filler flap 6/55:2 Control module, xenon lamps 4/6:5 Sensor, LPG level 1 7/8:B	GN-GR BL Y-SB
	Junction point 43/434 LPG	Y-SB	Sensor, LPG level 1 7/8:B	Y-SB
12	Control module, Supplemental Restraint System (SRS) 4/4:72	R	Sensor, RR side airbag 7/76:1	R
13	Control module, Supplemental Restraint System (SRS) 4/4:66	GN-BN	Sensor, RR side airbag 7/76:2	GN-BN
14	Combined instrument panel 5/1_B:8 Control module for locks and alarm, VGLA 4/39_A:2 Junction point 43/410	R BN-P Y-R	Lock motor, fuel filler flap 6/55:1 Control module, xenon lamps 4/6:4	BN-P Y-R
	Combined instrument panel 5/1_B:8 Bifuel	R	Sensor, LPG level 1 7/8:A Bifuel	R

44/16 4-pin Passenger compartment harness - Rear harness

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

44/17 6-pin

Passenger compartment harness - Roof harness

No.	Passenger compartment		Roof	
1	Fuse box in passenger compartment 11/2_G:13	R-W	Junction point 43/502 Ceiling light for HL with reading lights 10/31:1 Ceiling light for LL 10/32:1	R-W
2	Fuse box in passenger compartment 11/2_G:1	R	Ceiling light for HL with reading lights 10/31:2 Ceiling light for LL 10/32:2	R
3	Junction point 43/416	SB	Junction point 43/503	SB
4	-	-	-	-
5	Control module, Supplemental Restraint System (SRS) 4/4:26 Control module, key-inserted warning/seat belt reminder 4/35:5 Junction point 43/423 AUS	Y-VO	Ceiling light for HL with reading lights 10/31:5 Ceiling light for LL 10/32:5	Y-VO
6	Control module for locks and alarm, VGLA 4/39_A:24	Y-BN	Ceiling light for HL with reading lights 10/31:7 Ceiling light for LL 10/32:7	Y-BN

44/18 8-pin

Passenger compartment harness - Fuel tank harness

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

44/19 4-pin

Rear harness - Accessories harness

No.	Passenger compartment		Accessories	
1	Junction point 43/611	BN-SB	-	-
2	Junction point 43/615 S40 Junction point 43/610 V40	SB	-	-
3	Connector 44/13:18	Y	-	-
4	Connector 44/13:14 Junction point 43/604 V40	Y-R	-	-

Connector 44/20 - 44/22

44/20 6-pin EMS 2000 harness - Engine harness

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

44/21 6-pin Engine compartment harness - Engine harness Melco

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

44/22 12-pin Engine compartment harness - Harness, EMS 2000, turbo

No.	Engine compartment		EMS 2000, turbo	
1	Relay, AC compressor 2/10:2	BL-SB	Engine management system 4/26:68	BL-SB
2	Engine management system main relay 2/14:2	GN	Engine management system 4/26:10	GN
3	Air temperature sensor 7/53:1	R-SB	Engine management system 4/26:18	R-SB
4	Junction point 43/338	P-SB	Junction point 43/307	P-SB
5	Relay, speed 1, electric cooling fan 2/11:2	BL-GR	Engine management system 4/26:38	BL-GR
6	Relay, speed 2, electric cooling fan 2/28:2	GN-GR	Engine management system 4/26:8	GN-GR
7	Relay, AC condenser fan 2/13:2	BL-OR	-	-
8	EVAP valve 8/24:1	Y	Engine management system 4/26:4	Y
9	ABS control module 4/28:25	GR-W	Junction point 43/311 Engine management system 4/26:52	GR-W
10	ABS control module 4/28:23	Y-R	Control module, Dynamic Stability Assistance (DSA) 4/3:4	Y-R
11	ABS control module 4/28:24	BL-Y	Control module, Dynamic Stability Assistance (DSA) 4/3:12	BL-Y
12	Junction point 43/345	BL-R	Control module, Dynamic Stability Assistance (DSA) 4/3:3	BL-R

44/22 12-pin

Engine compartment harness Bifuel - Harness, EMS 2000, LPG

No.	Engine compartment Bifuel		EMS 2000 LPG	
1	Relay, AC compressor 2/10:2	BL-SB	Engine management system 4/26:68	BL-SB
2	Relay, LPG 2/50:2	GN	Junction point 43/382	GN
3	Relay, LPG 2/50:5	GN-R	Junction point 43/392	GN-R
4	Engine management system main relay 2/14:2	GN	Engine management system 4/26:10	GN
5	Relay, speed 1, electric cooling fan 2/11:2	BL-GR	Engine management system 4/26:38	BL-GR
6	Relay, speed 2, electric cooling fan 2/28:2	GN-GR	Engine management system 4/26:8	GN-GR
7	Relay, AC condenser fan 2/13:2	BL-OR	Engine management system 4/26:69	BL-OR
8	EVAP valve 8/24:1	Y	Engine management system 4/26:4	Y
9	ABS control module 4/28:25	GR-W	Engine management system 4/26:52	GR-W
10	Fuel pump relay 2/31:2	GR	Engine management system 4/26:69	GR
11	Junction point 43/389	Y-R	Junction point 43/391	Y-R
12	-	-	-	-

44/23 12-pin

Engine compartment harness - Melco 2 harness

No.	Engine compartment		Engine Melco 2	
1	Relay, AC compressor 2/10:2	BL-SB	Engine management system 4/26_A:20	BL-SB
2	Engine management system main relay 2/14:2	P-SB	Engine management system 4/26_B:17	P-SB
3	Relay, fuel throttle body 2/32:2	BN-W	Engine management system 4/26_B:16	BN-W
4	Steering angle sensor 7/65	GN-Y	Engine management system 4/26_B:14	GN-Y
5	Relay, speed 1, electric cooling fan 2/11:2	BL-GR	Engine management system 4/26_A:18	BL-GR
6	Relay, fuel injection/ignition 2/30:2	VO	Engine management system 4/26_B:15	VO
7	Relay, AC condenser fan 2/13:2	BL-OR	Engine management system 4/26_A:17	BL-OR
8	Fuel pump relay 2/31:2	W	Engine management system 4/26_A:21	W
9	Junction point 43/346	GR	Engine management system 4/26_C:18	GR
10	Battery 7/62:1 AC pressure sensor 7/49:1	OR-SB GN-SB	Junction point 43/320	GN-SB
11	Battery 7/62:4 AC pressure sensor 7/49:2	BN-P Y-GR	Engine management system 4/26_B:24	Y-GR
12	AC pressure sensor 7/49:3	GN-R	Junction point 43/322	GN-R

Connector 44/24 - 44/25

44/24 12-pin

Engine compartment harness - Harness, EMS 2000 LPG

No.	Engine compartment		Engine EMS 2000	
1	AC pressure sensor 7/49:1	GN-SB	Junction point 43/312	GN-SB
2	AC pressure sensor 7/49:2	Y-GR	Engine management system 4/26:14	Y-GR
3	AC pressure sensor 7/49:3 Junction point 43/335 Turbo	VO-W	Engine management system 4/26:74 Junction point 43/316	VO-W
4	Relay, AC compressor 2/10:5 Turbo	VO	Solenoid clutch, AC compressor 8/1:1	VO
5	Junction point 43/360	R	Junction point 43/313	R
6	Junction point 43/365	Y-R	Junction point 43/314 Turbo Engine management system 4/26:30 Bifuel	Y-R
7	Fuses in engine compartment 11A/25:2 Auto	BN-GR	Transmission Control Module TCM 4/27:1 EMS, Turbo	BN-GR
8	Junction point 43/348	R-SB	Junction point 43/315	R-SB
9	Charge pressure sensor 2 7/79:3	BN	Engine management system 4/26:72 EMS, Turbo	BN
10	-	-	-	-
11	Relay, vacuum pump, automatic transmission 2/34:5 Junction point 43/386 Bifuel	R-W	Vacuum pump, automatic transmission 6/54:1 Control module LPG 4/75_J1:2	R-W
12	Relay, vacuum pump, automatic transmission, 2/34:1 Junction point 43/387 Bifuel	Y	Pressure monitor, vacuum pump, automatic transmission 7/67:2 Junction point 43/383 Bifuel	Y

44/25 4-pin

Engine compartment harness - Diesel harness

No.	Engine compartment		Engine diesel	
1	Fuses in engine compartment 11A/17:1	BL	Fuel preheater 9/10:B	BL
2	Junction point 43/362	R	Junction point 43/333	R
3	Relay, coolant heater 1 2/37:5	R-SB	Coolant heater 1 9/14_1	R-W
4	Relay, coolant heater 2 2/38:5	R-W	Coolant heater 2 9/14_2	R-W

44/26 12-pin
Engine compartment harness - Diesel harness

No.	Engine compartment		Engine diesel	
	1	Relay, AC compressor 2/10:2	BL-SB	Engine management system 4/26_1:F4
2	Engine management system main relay 2/14:2	GN-Y	Engine management system 4/26_2:D4	GN-Y
3	Junction point 43/357	R-SB	Junction point 43/332	R-SB
4	Relay, AC compressor 2/10:5	VO	Solenoid clutch, AC compressor 8/1:1	VO
5	Relay, speed 1, electric cooling fan 2/11:2	BL-GR	Engine management system 4/26_3:A2	BL-GR
6	Relay, speed 2, electric cooling fan 2/28:2	GN-GR	Engine management system 4/26_3:B4	GN-GR
7	Relay, coolant heater 1 2/37:2	GR	Engine management system 4/26_3:J4	GR
8	Relay, coolant heater 2 2/38:2	GN-OR	Engine management system 4/26_3:E4	GN-OR
9	-	-	-	-
10	AC pressure sensor 7/49:1	GN-SB	Engine management system 4/26_2:F1	GN-SB
11	AC pressure sensor 7/49:2	Y-GR	Engine management system 4/26_2:G4	Y-GR
12	AC pressure sensor 7/49:3	GN-R	Engine management system 4/26_2:A3	GN-R

44/27 6-pin
Melco 2 harness - Generator harness

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

44/28 6-pin
Melco 2 harness - EGR harness

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

Connector 44/31 - 44/33

44/31 10-pin

Engine compartment harness - Dashboard harness

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

44/32 6-pin

Rear harness S40 - Cargo compartment harness

No.	Rear S40		Cargo compartment	
1	Junction point 43/601	BL-R	Junction point 43/620	BL-R
2	Junction point 43/615	SB	Junction point 43/619	BN
3	Junction point 43/609 EU/OS Connector 44/13:16	GN-GR	Central locking, trunk lid/tailgate 6/32:1	GN-GR
4	Junction point 43/608 EU/OS Connector 44/13:15	GR-W	Central locking, trunk lid/tailgate 6/32:2	GR-W
5	Junction point 43/612	BL-BN	Contact, lighting/alarm, cargo compartment 3/22	BL-BN
6	-	-	-	-

44/33 2-pin

Rear harness V40 - Tailgate harness

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

44/34 10-pin
Rear harness V40 - Tailgate harness

No.	Rear V40		Tailgate	
1	Junction point 43/611	BN-SB	Auxiliary brake light 10/17:1	BN-SB
2	-	-	Glass breakage sensor 7/54:1	GR
3	Junction point 43/609 EU/OS Connector 44/13:16	GN-GR	Central locking, trunk lid/tailgate 6/32:1	GN-GR
4	Junction point 43/608 EU/OS Connector 44/13:15	GR-W	Central locking, trunk lid/tailgate 6/32:2	GR-W
5	Junction point 43/612	BL-BN	Contact, lighting/alarm, cargo compartment 3/22	BL-BN
6	Junction point 43/601	BL-R	Lamp housing, trunk lid/tailgate 10/34:3	P
7	Connector 44/13:10	BL	Lamp housing, trunk lid/tailgate 10/34:1	BL
8	Connector 44/13:17	VO-W	Lamp housing, trunk lid/tailgate 10/34:4	VO-W
9	Connector 44/13:8	BL-R	Motor, rear window wiper 6/11:3	BL-R
10	Connector 44/13:9	BL-W	Motor, rear window wiper 6/11:2	BL-W

44/36 1-pin
Engine compartment harness - Battery harness

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

44/37 4-pin
Passenger compartment harness - Passenger side airbag harness

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

Connector 44/38 - 44/40

44/38 8-pin Engine harness Melco 2 - Injector harness

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

44/39 6-pin Engine and passenger compartment harness - Harness, engine, Bifuel

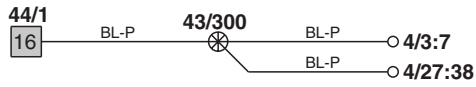
No.	Passenger compartment		Engine Bifuel	
1	Switch, gas/gasoline drive 3/63:4	OR	Control module LPG 4/75_J1:6	OR
2	Connector 44/15:8	GN-R	Junction point 43/392	GN-R
3	Distribution rail 15/7:E6	R	Control module LPG 4/75_J1:31	R
4	Combined instrument panel 5/1:12	BL-W	Control module LPG 4/75_J1:4	BL-W
5	Combined instrument panel 5/1:22	GR	Control module LPG 4/75_J1:29	GR
6	-	-	-	-

44/40 2-pin Engine and passenger compartment harness - Cruise control harness

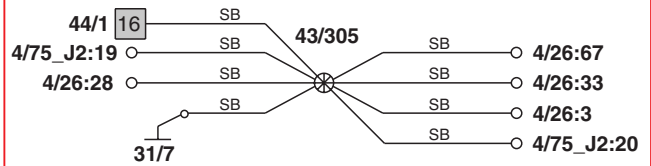
No.	Passenger compartment		Cruise control	
1	Junction point 43/411	BL-R	Brake pedal contact, cruise control 3/14:1	BL-R
2	Control module, cruise control, 4/5:3	BL-Y	Brake pedal contact, cruise control 3/14:2 Auto Clutch pedal contact, cruise control 3/15:2	BL-Y

Junction points 43/300 - 43/308

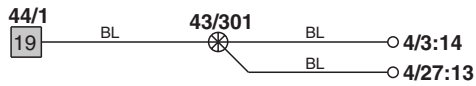
43/300
EMS 2000
AUTO



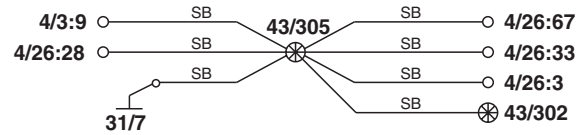
43/305
EMS 2000 LPG



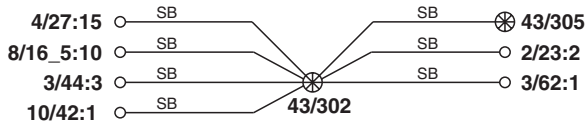
43/301
EMS 2000



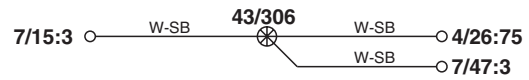
43/305
EMS 2000



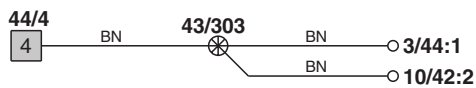
43/302
EMS 2000



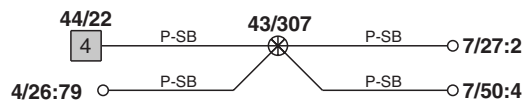
43/306
EMS 2000



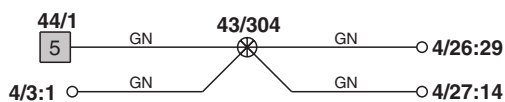
43/303
EMS 2000
AUTO



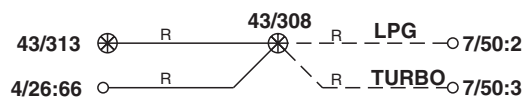
43/307
EMS 2000



43/304
EMS 2000
AUTO



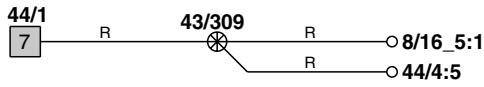
43/308
EMS 2000



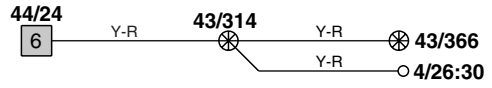
Junction points

43/309 - 43/318

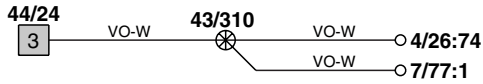
43/309
EMS 2000
AUTO



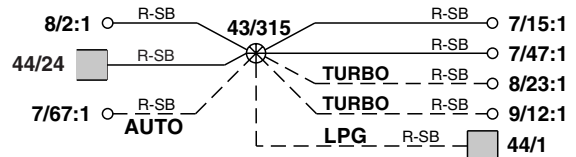
43/314
EMS 2000



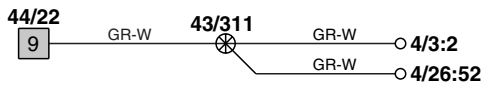
43/310
EMS 2000 TURBO



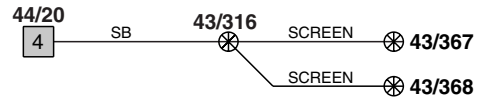
43/315
EMS 2000



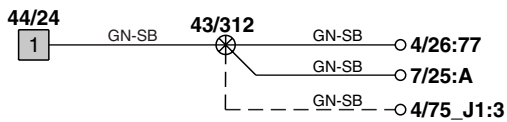
43/311
EMS 2000



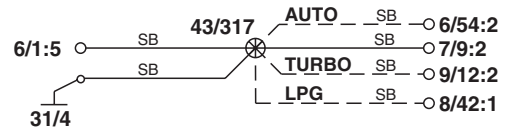
43/316
EMS 2000



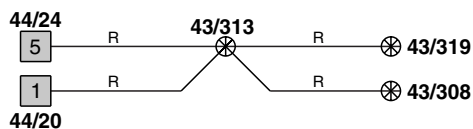
43/312
EMS 2000



43/317
EMS 2000



43/313
EMS 2000

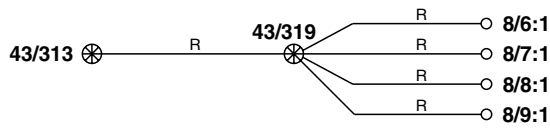


43/318
EMS 2000 TURBO

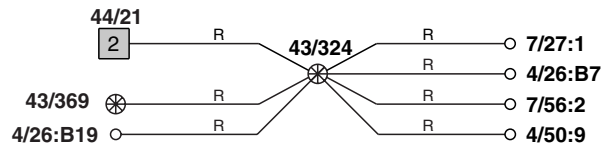


Junction points 43/319 - 43/328

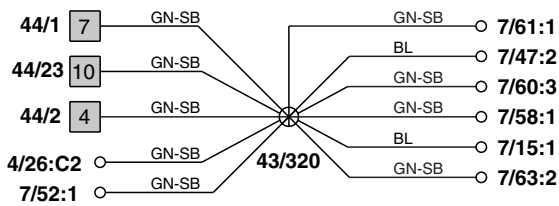
**43/319
EMS 2000**



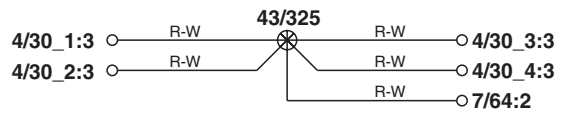
**43/324
MELCO 2**



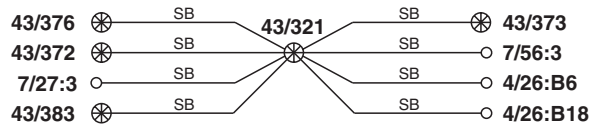
**43/320
MELCO 2**



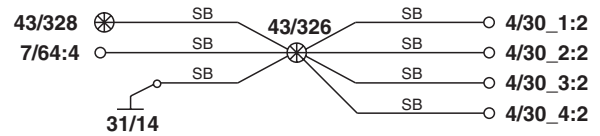
**43/325
MELCO 2**



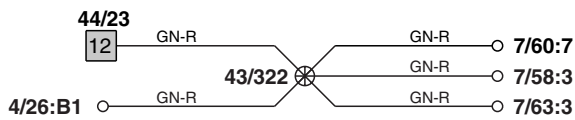
**43/321
MELCO 2**



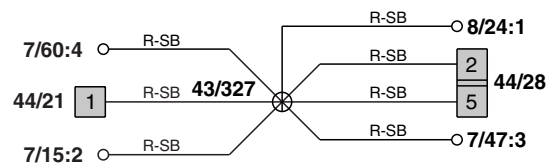
**43/326
MELCO 2**



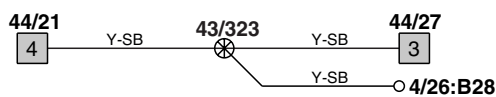
**43/322
MELCO 2**



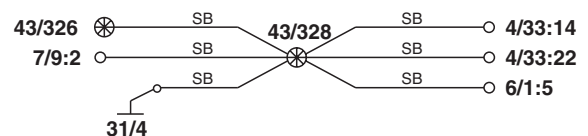
**43/327
MELCO 2**



**43/323
MELCO 2**



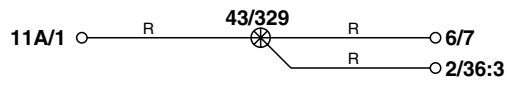
**43/328
MELCO 2**



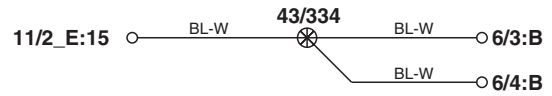
Junction points

43/329 - 43/338

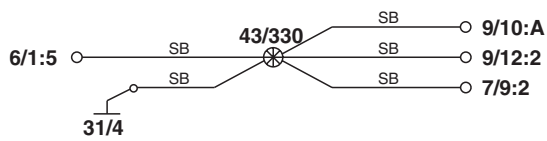
43/329
DIESEL



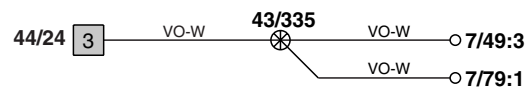
43/334



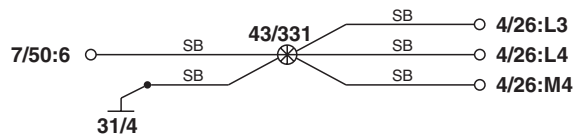
43/330
DIESEL



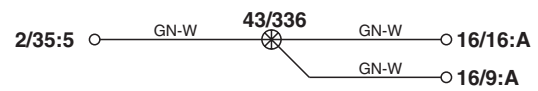
43/335
TURBO



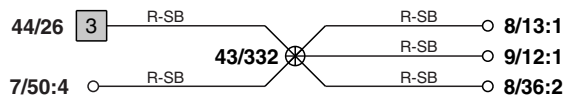
43/331
DIESEL



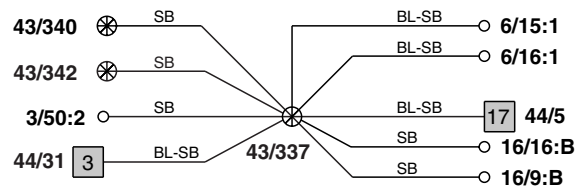
43/336



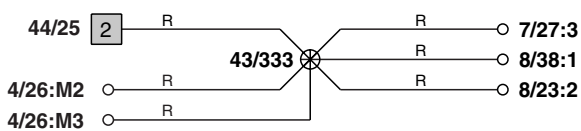
43/332
DIESEL



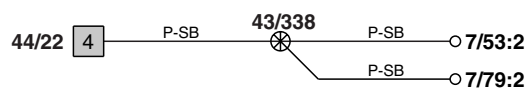
43/337



43/333
DIESEL

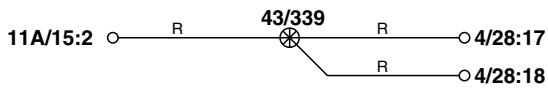


43/338
TURBO

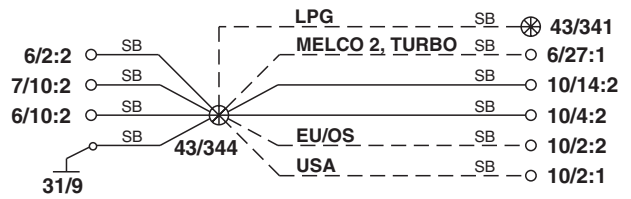


Junction points 43/339 - 43/348

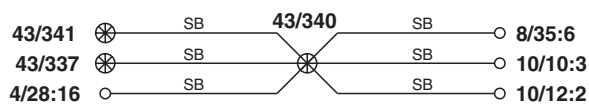
43/339



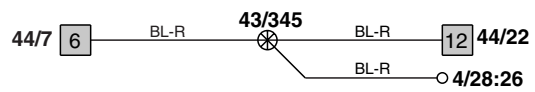
43/344



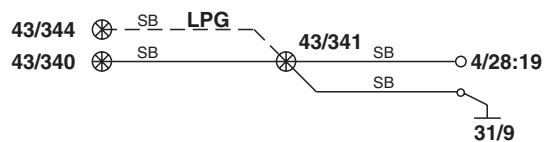
43/340



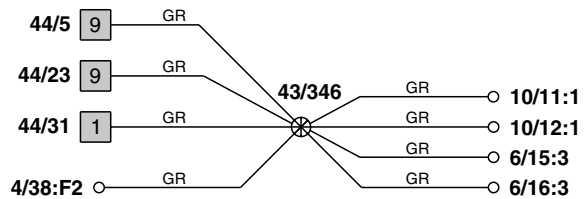
43/345



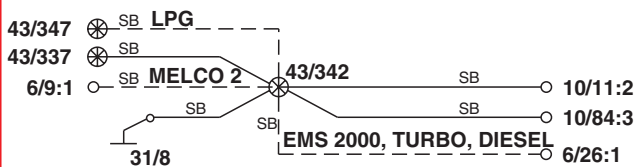
43/341



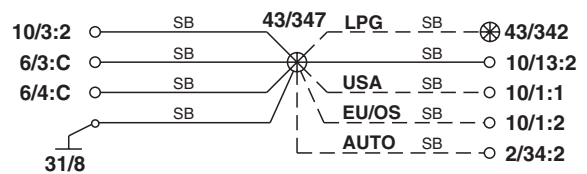
43/346



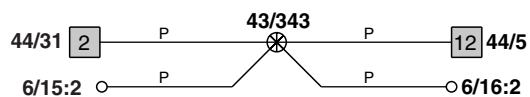
43/342



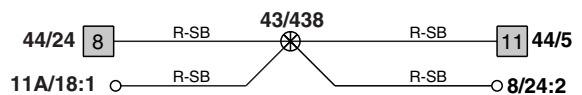
43/347



43/343



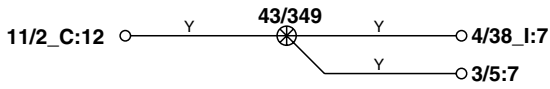
43/348
EMS 2000 TURBO



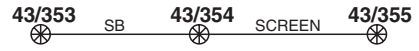
Junction points

43/349 - 43/359

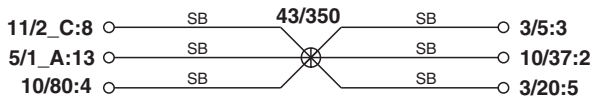
43/349



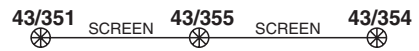
43/354



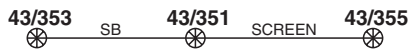
43/350



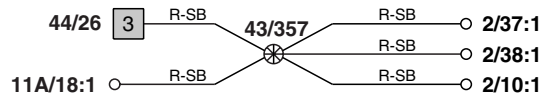
43/355



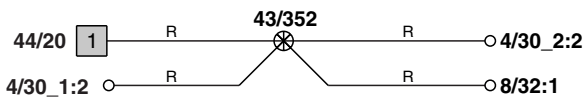
43/351



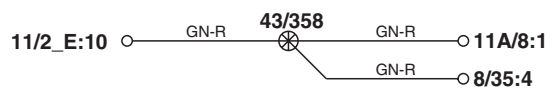
43/357
DIESEL



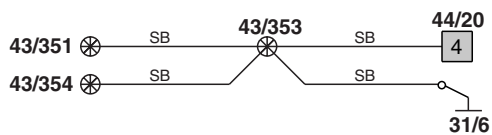
43/352



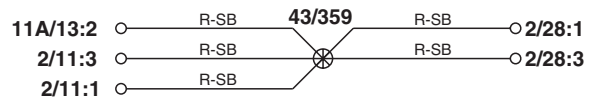
43/358



43/353

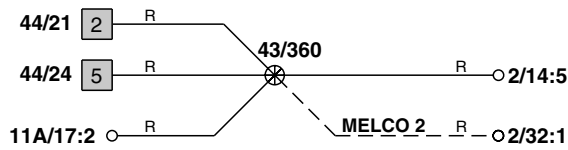


43/359

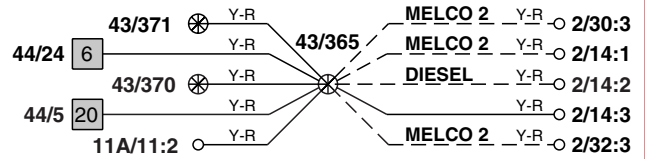


Junction points 43/360 - 43/369

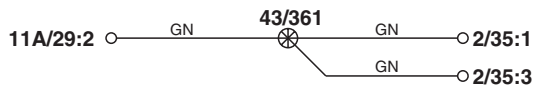
43/360
EMS 2000
TURBO
MELCO 2



43/365



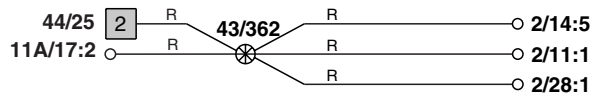
43/361



43/366
EMS 2000



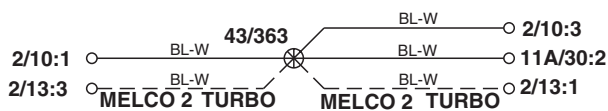
43/362
DIESEL



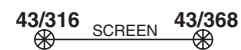
43/367
EMS 2000



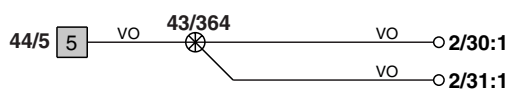
43/363
EMS 2000
TURBO
MELCO 2



43/368
EMS 2000



43/364
MELCO 2



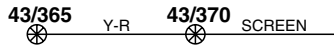
43/369
MELCO 2



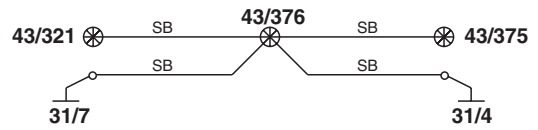
Junction points

43/370 - 43/379

43/370
MELCO 2



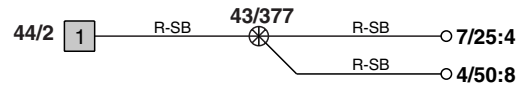
43/376
MELCO 2



43/371
EMS 2000
TURBO



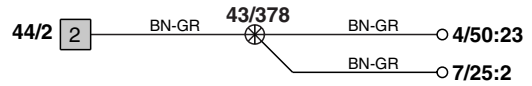
43/377
MELCO 2



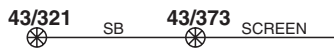
43/372
MELCO 2



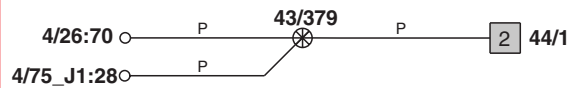
43/378
MELCO 2



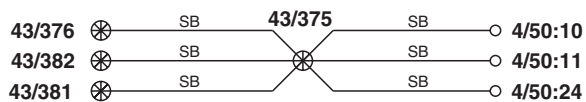
43/373
MELCO 2



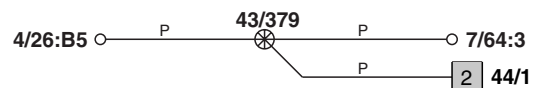
43/379
EMS 2000 LPG



43/375
MELCO 2

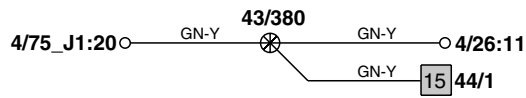


43/379
MELCO 2

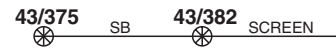


Junction points 43/380 - 43/384

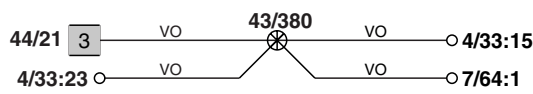
**43/380
EMS 2000 LPG**



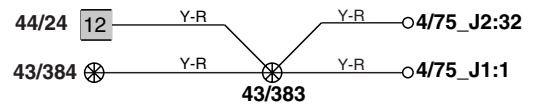
**43/382
MELCO 2**



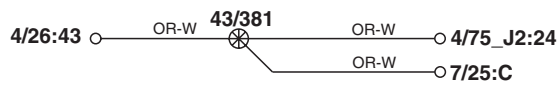
**43/380
MELCO 2**



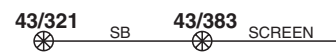
**43/383
EMS 2000 LPG**



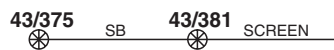
**43/381
EMS 2000 LPG**



**43/383
MELCO 2**



**43/381
MELCO 2**



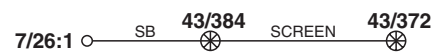
**43/384
EMS 2000 LPG**



**43/382
EMS 2000 LPG**



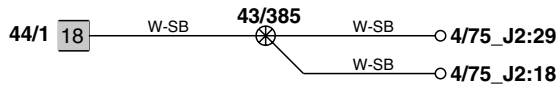
**43/384
MELCO 2**



Junction points

43/385 - 43/400

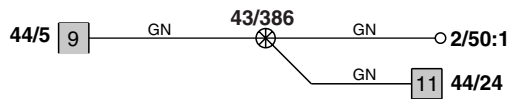
43/385
EMS 2000 LPG



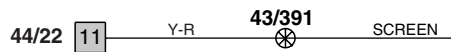
43/390
EMS 2000 LPG



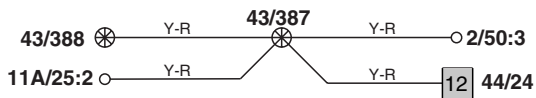
43/386
EMS 2000 LPG



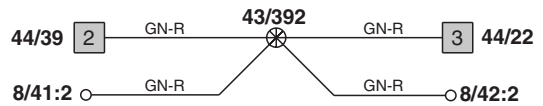
43/391
EMS 2000 LPG



43/387
EMS 2000 LPG



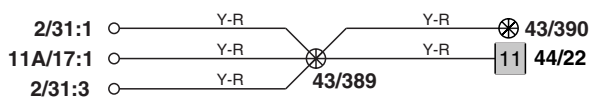
43/392
EMS 2000 LPG



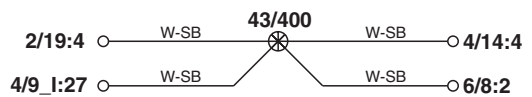
43/388
EMS 2000 LPG



43/389
EMS 2000 LPG

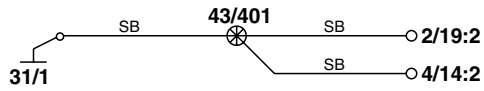


43/400

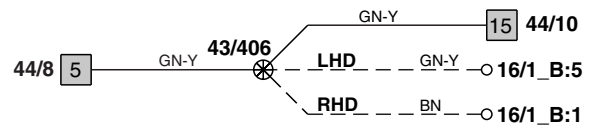


Junction points 43/401 - 43/410

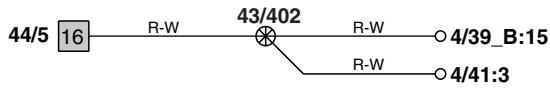
43/401



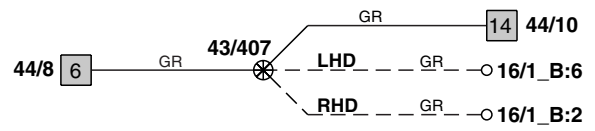
43/406



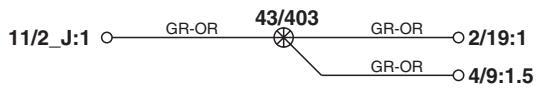
43/402



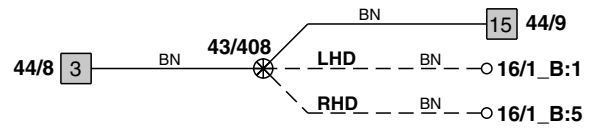
43/407



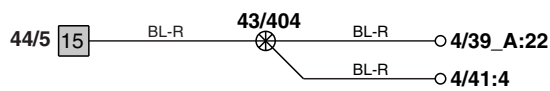
43/403



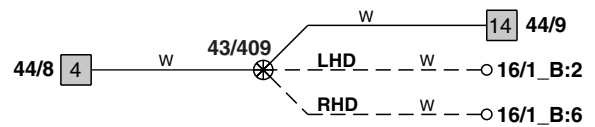
43/408



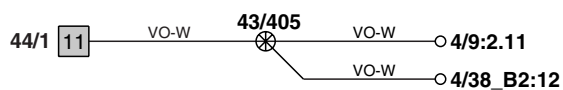
43/404



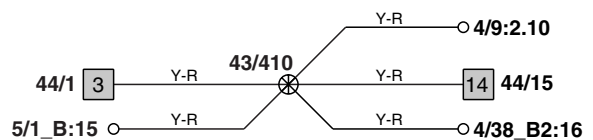
43/409



43/405



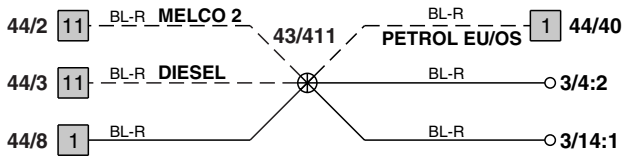
43/410



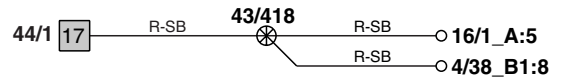
Junction points

43/411 - 43/422

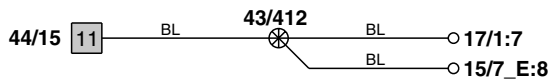
43/411



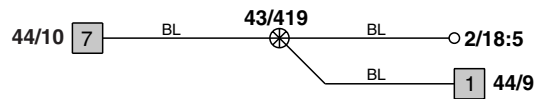
43/418



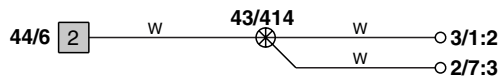
43/412
GDL



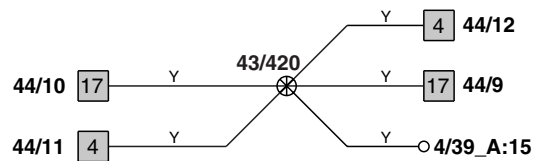
43/419



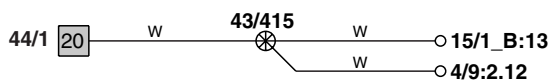
43/414



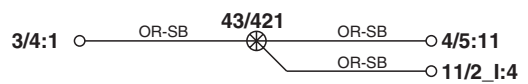
43/420



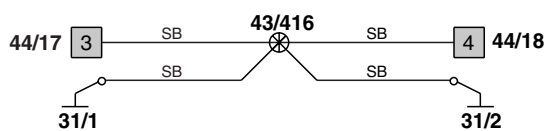
43/415



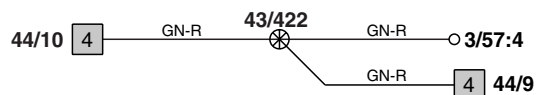
43/421



43/416

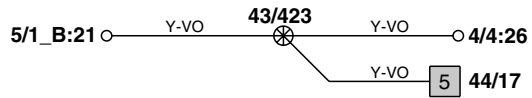


43/422
RHD

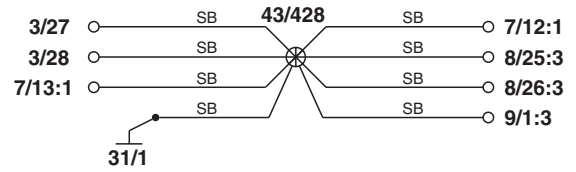


Junction points 43/423 - 43/432

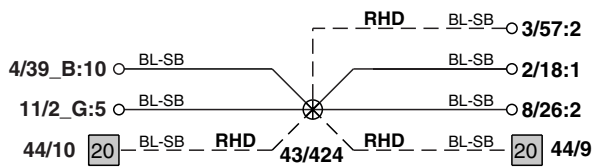
**43/423
AUS**



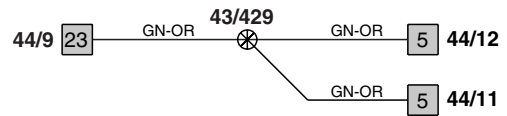
43/428



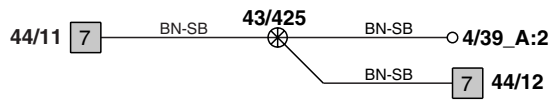
43/424



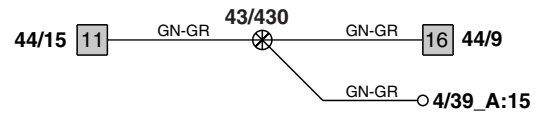
43/429



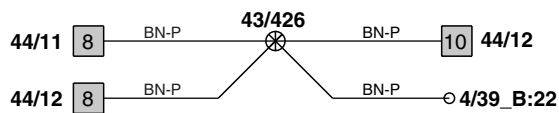
43/425



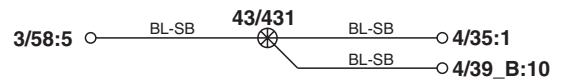
**43/430
USA**



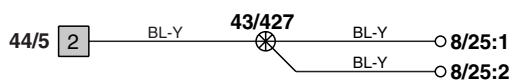
43/426



**43/431
USA**



43/427



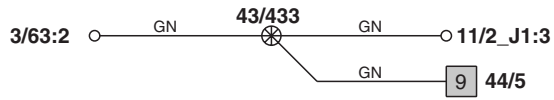
43/432



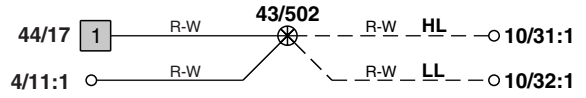
Junction points

43/433 - 43/601

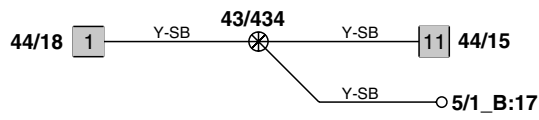
43/433
EMS 2000 LPG



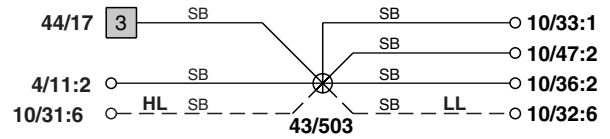
43/502
SUN ROOF



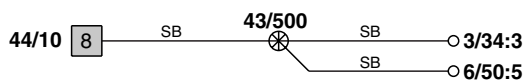
43/434
EMS 2000 LPG



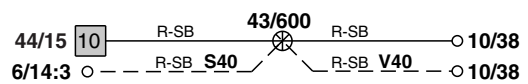
43/503



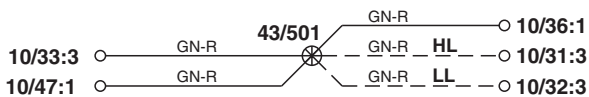
43/500



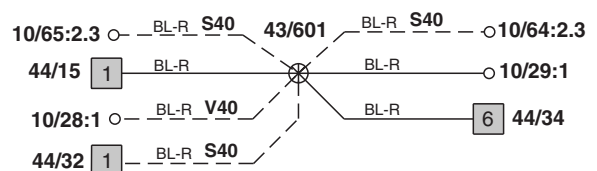
43/600



43/501

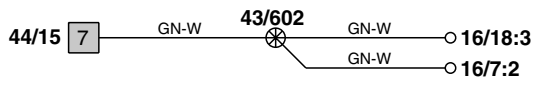


43/601

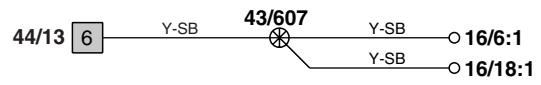


Junction points 43/602 - 43/611

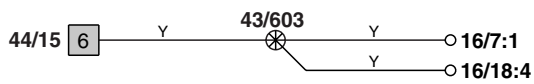
43/602
V40



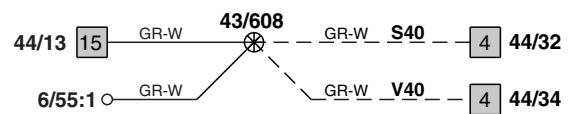
43/607
V40



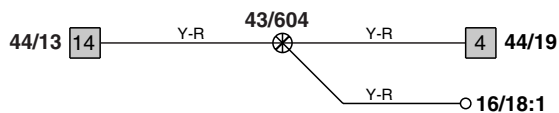
43/603
V40



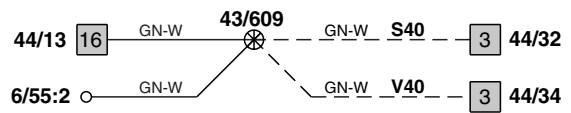
43/608



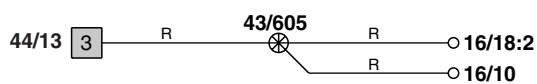
43/604
V40



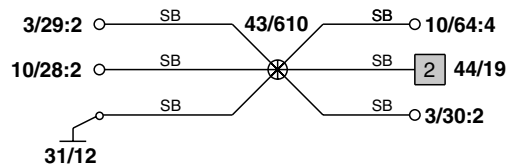
43/609



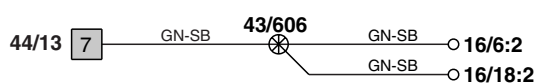
43/605
V40



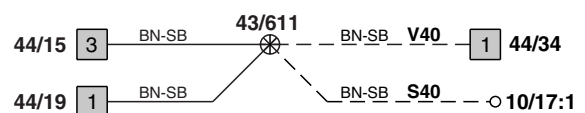
43/610
V40



43/606
V40



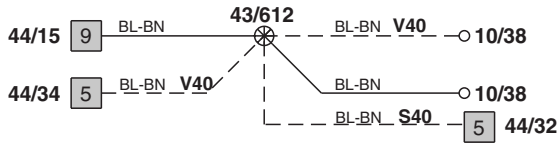
43/611



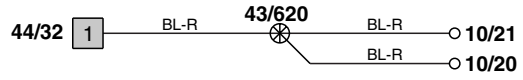
Junction points

43/612 - 43/621

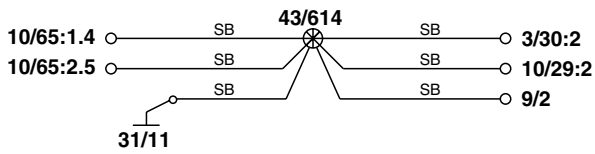
43/612



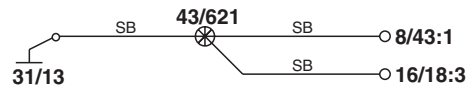
43/620
S40



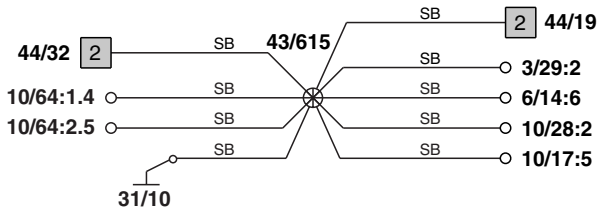
43/614
S40



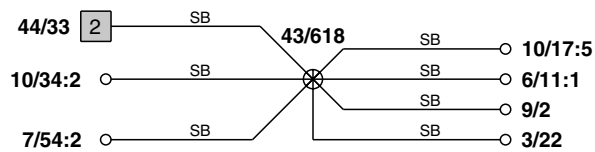
43/621



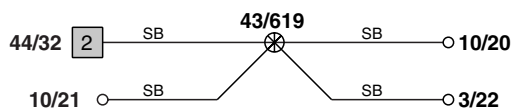
43/615
S40



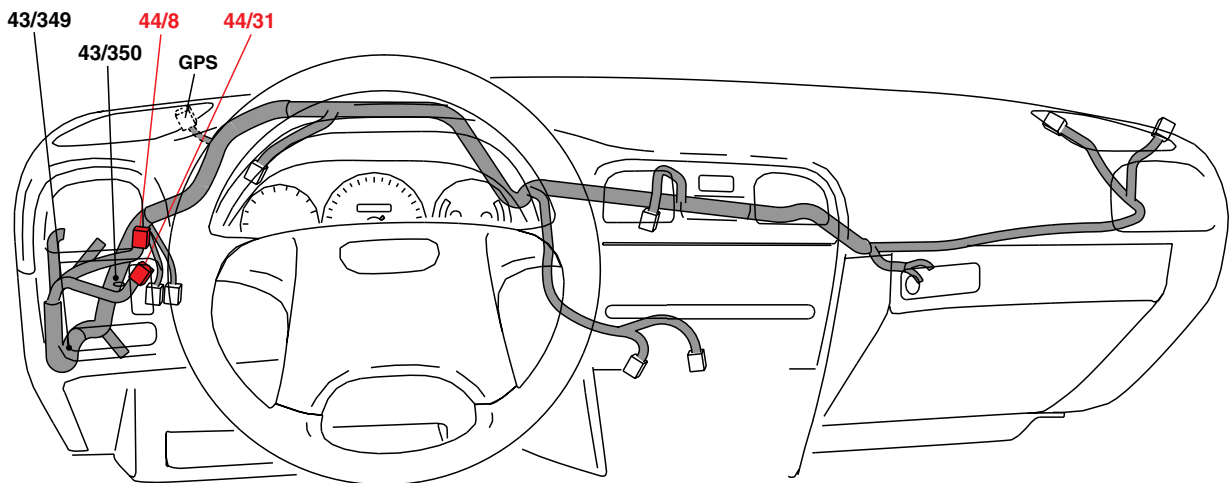
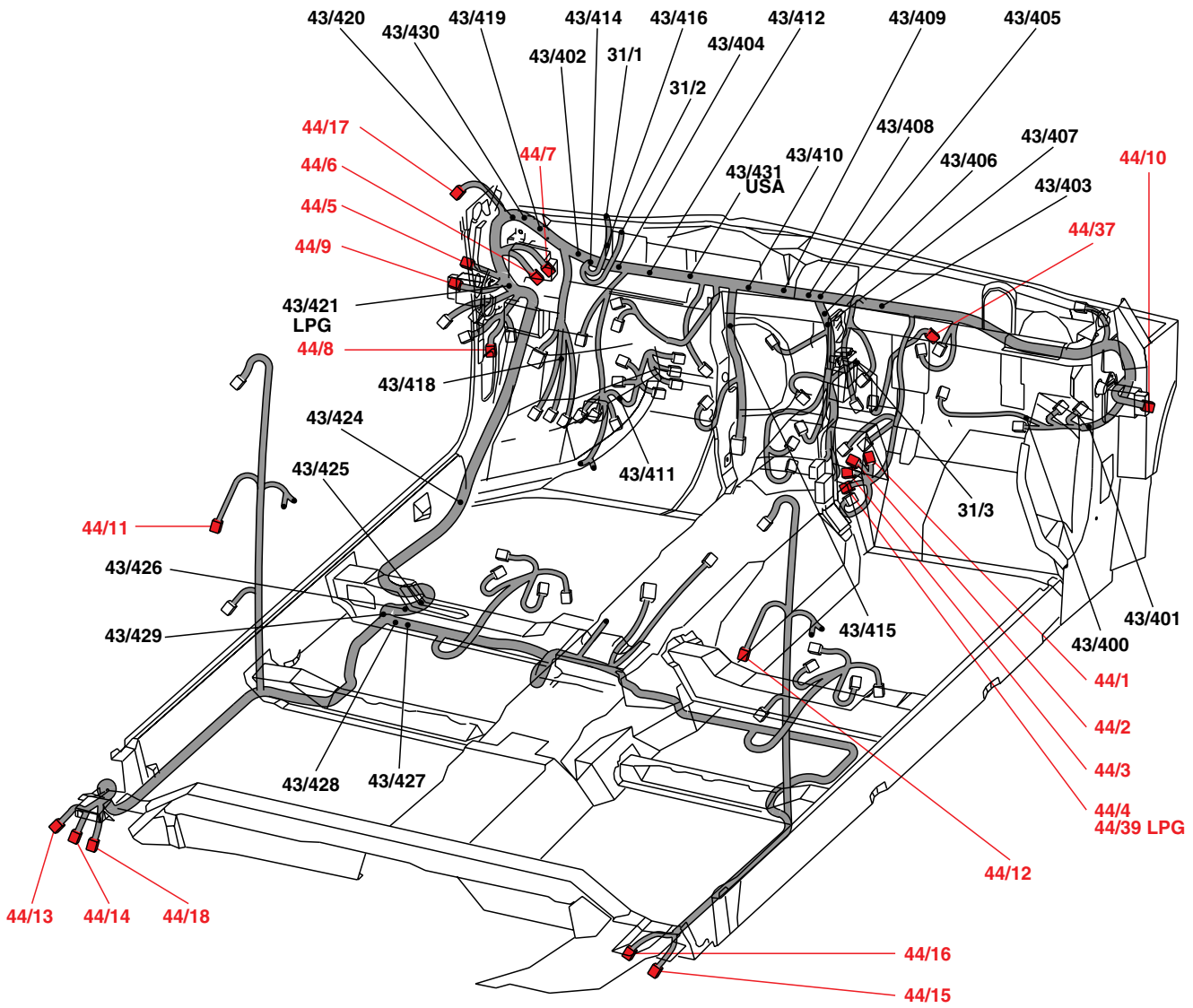
43/618
V40



43/619
S40

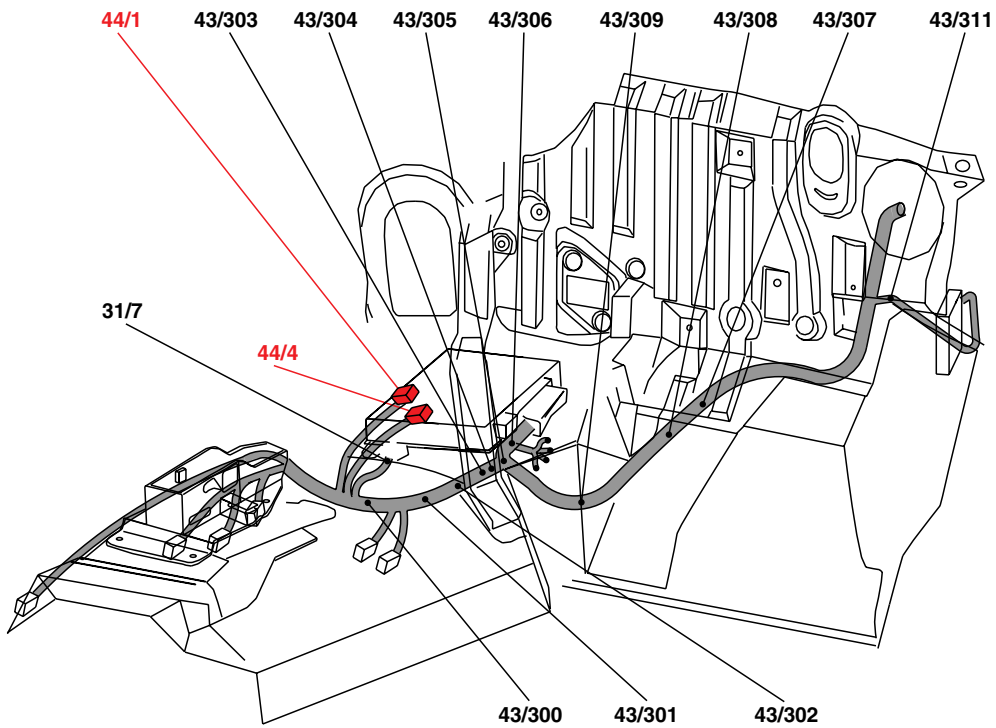
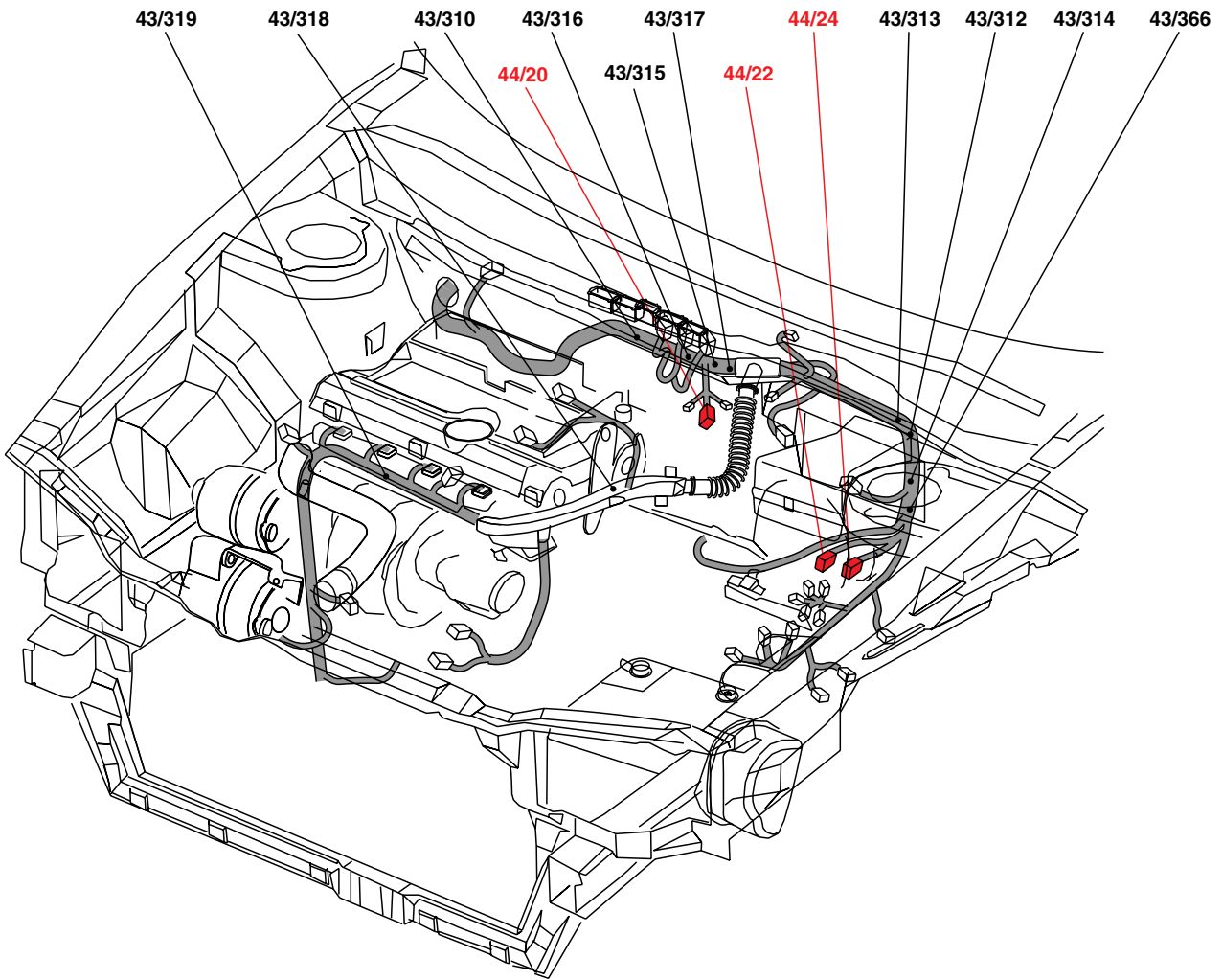


Cable harness routing in vehicle Passenger compartment harness - Dashboard harness



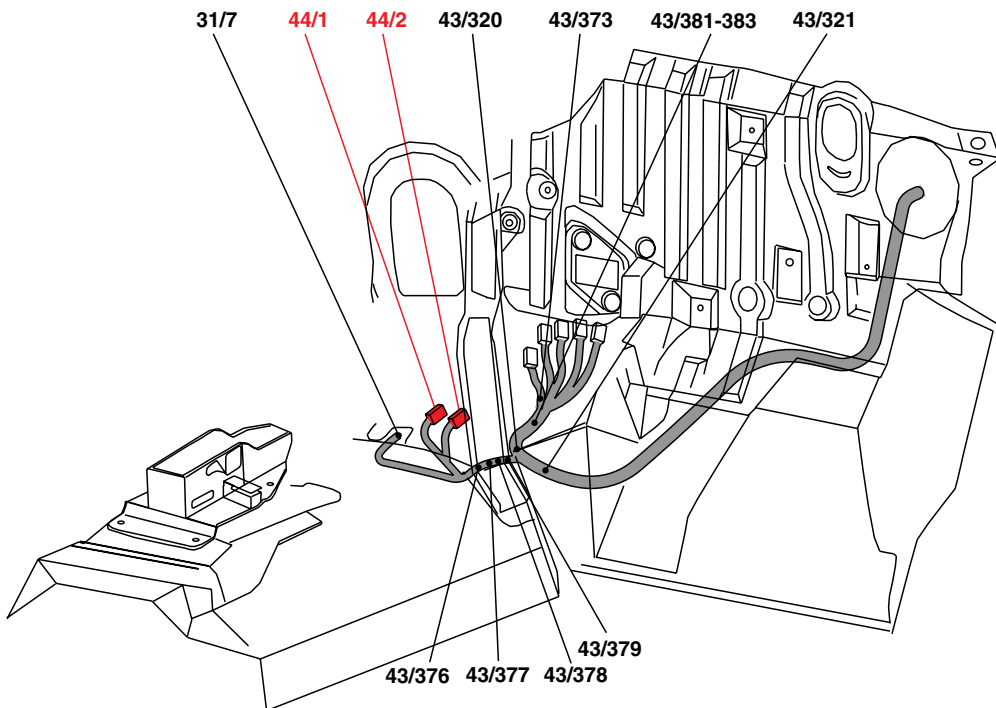
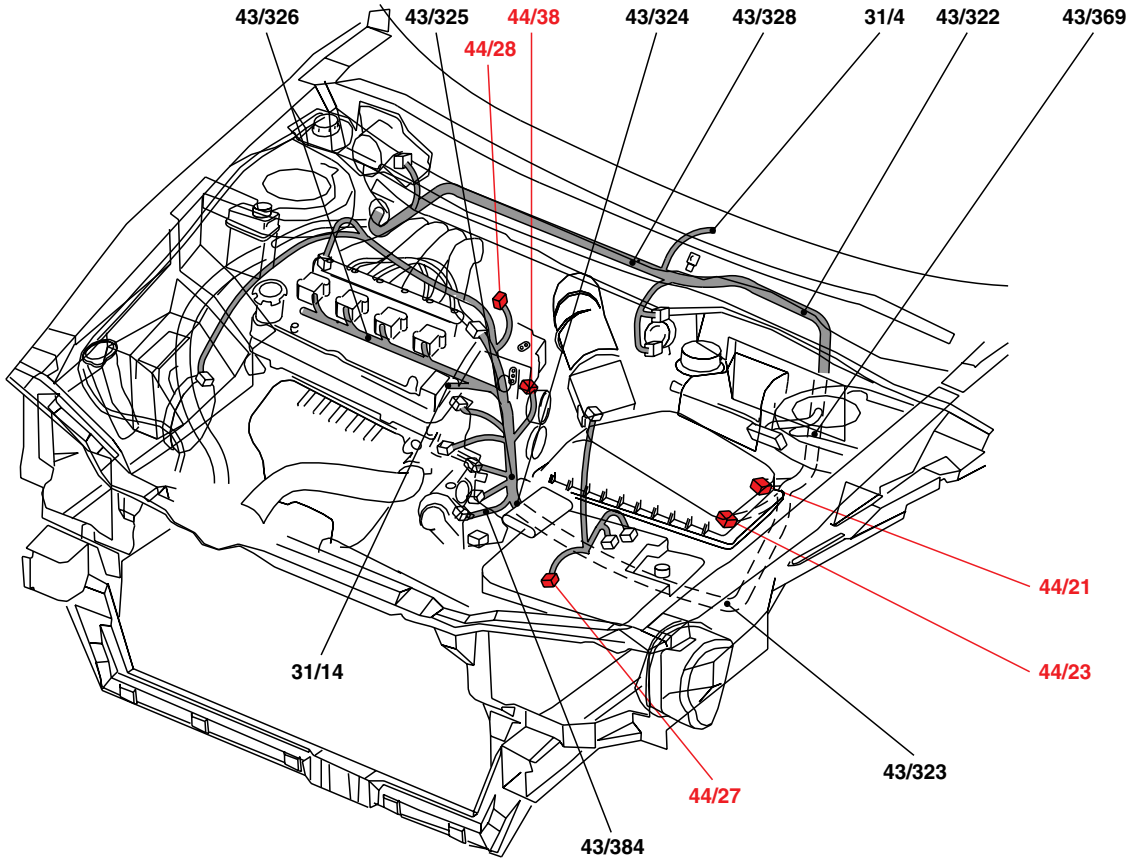
Cable harness routing in vehicle

Engine and engine compartment harness EMS 2000 - Passenger compartment harness



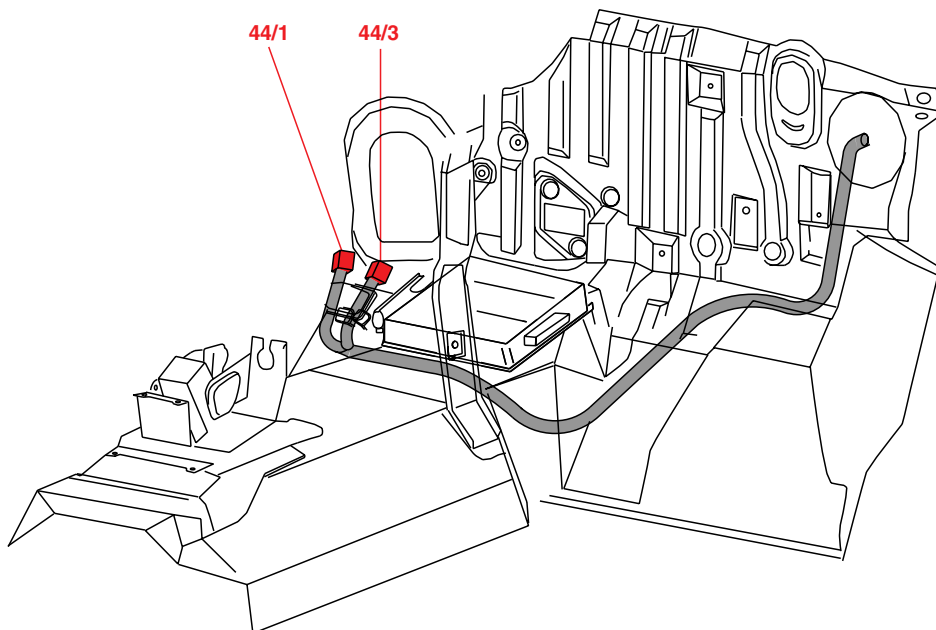
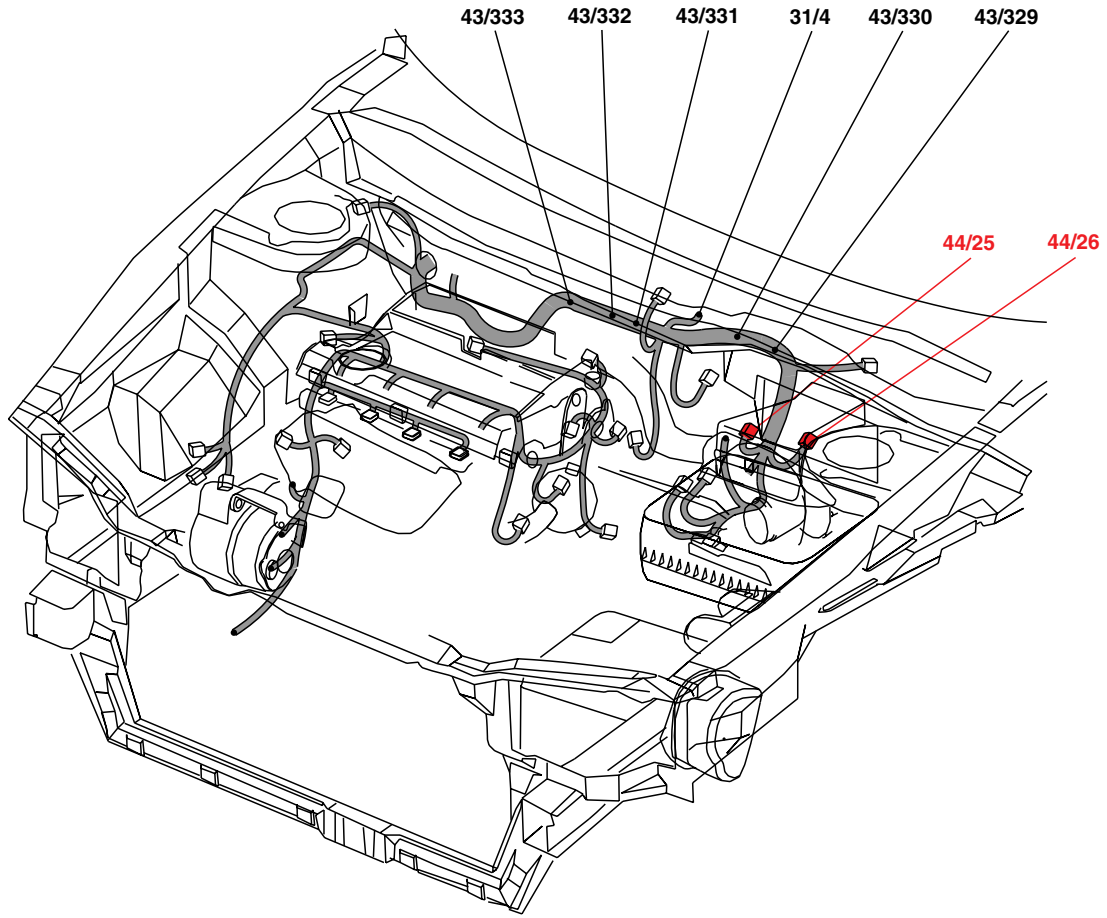
Cable harness routing in vehicle

Engine and engine compartment harness Melco 2 - Passenger compartment harness

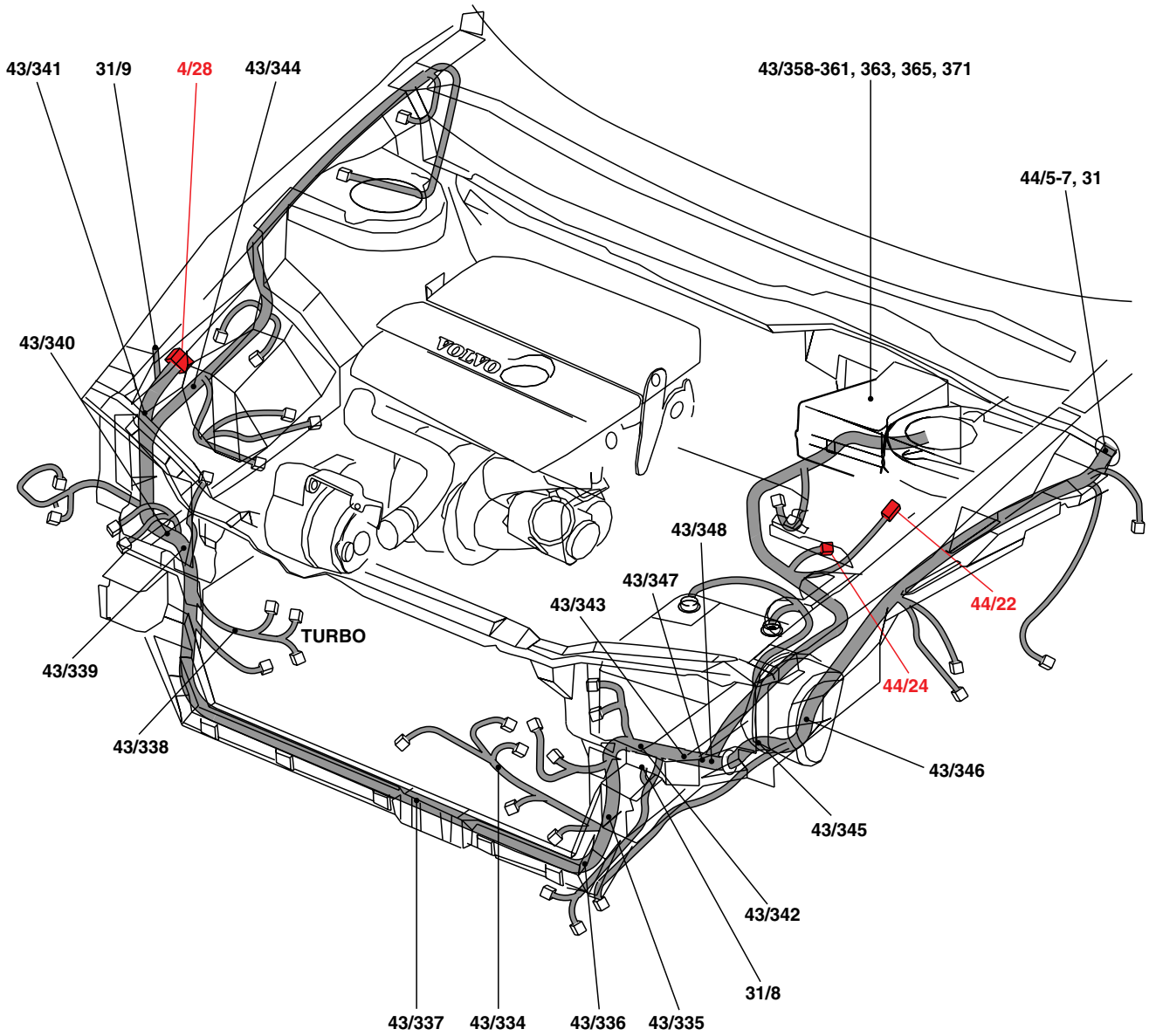


Cable harness routing in vehicle

Engine and engine compartment harness Diesel - Passenger compartment harness

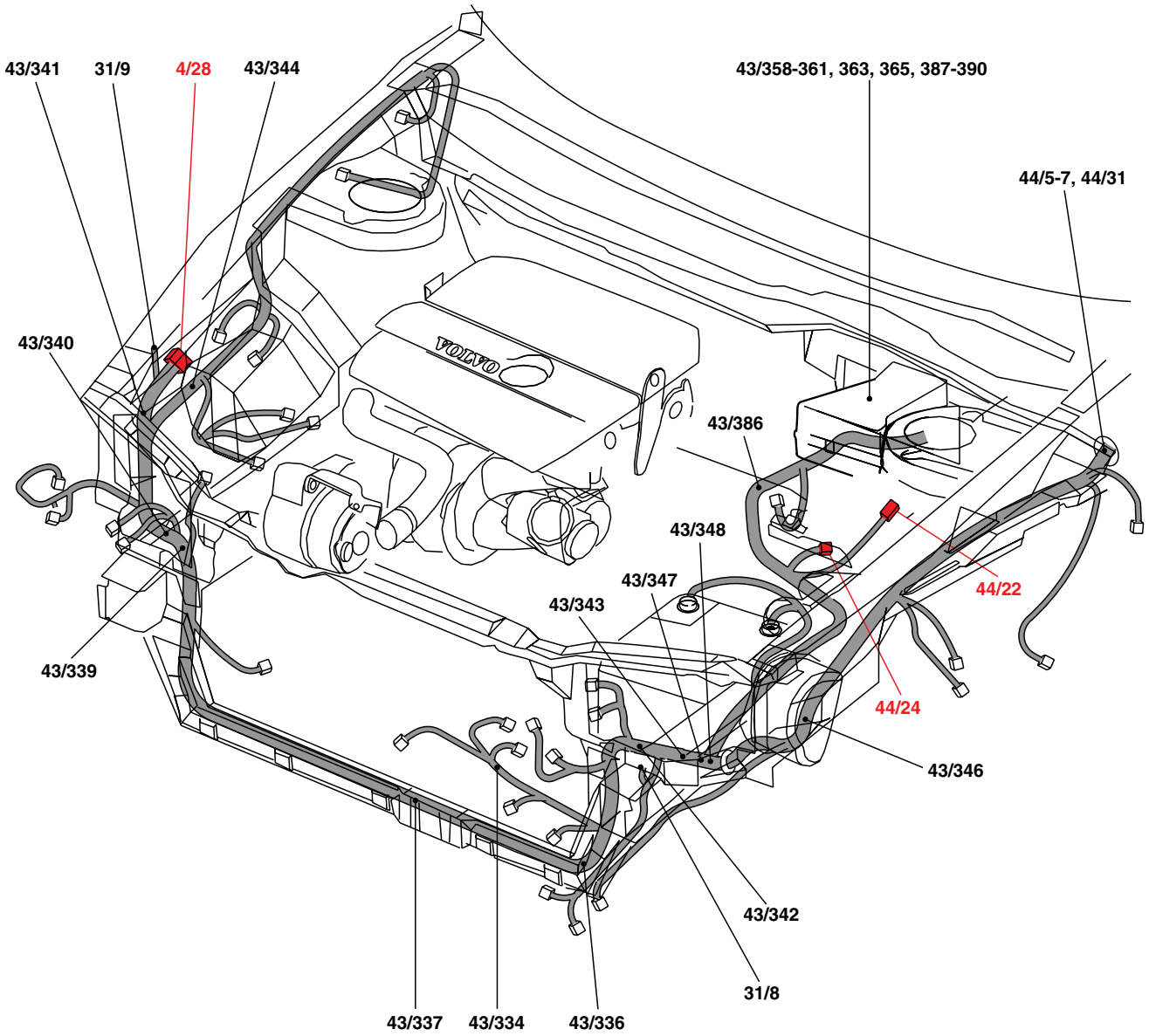


Cable harness routing in vehicle Engine compartment harness EMS 2000

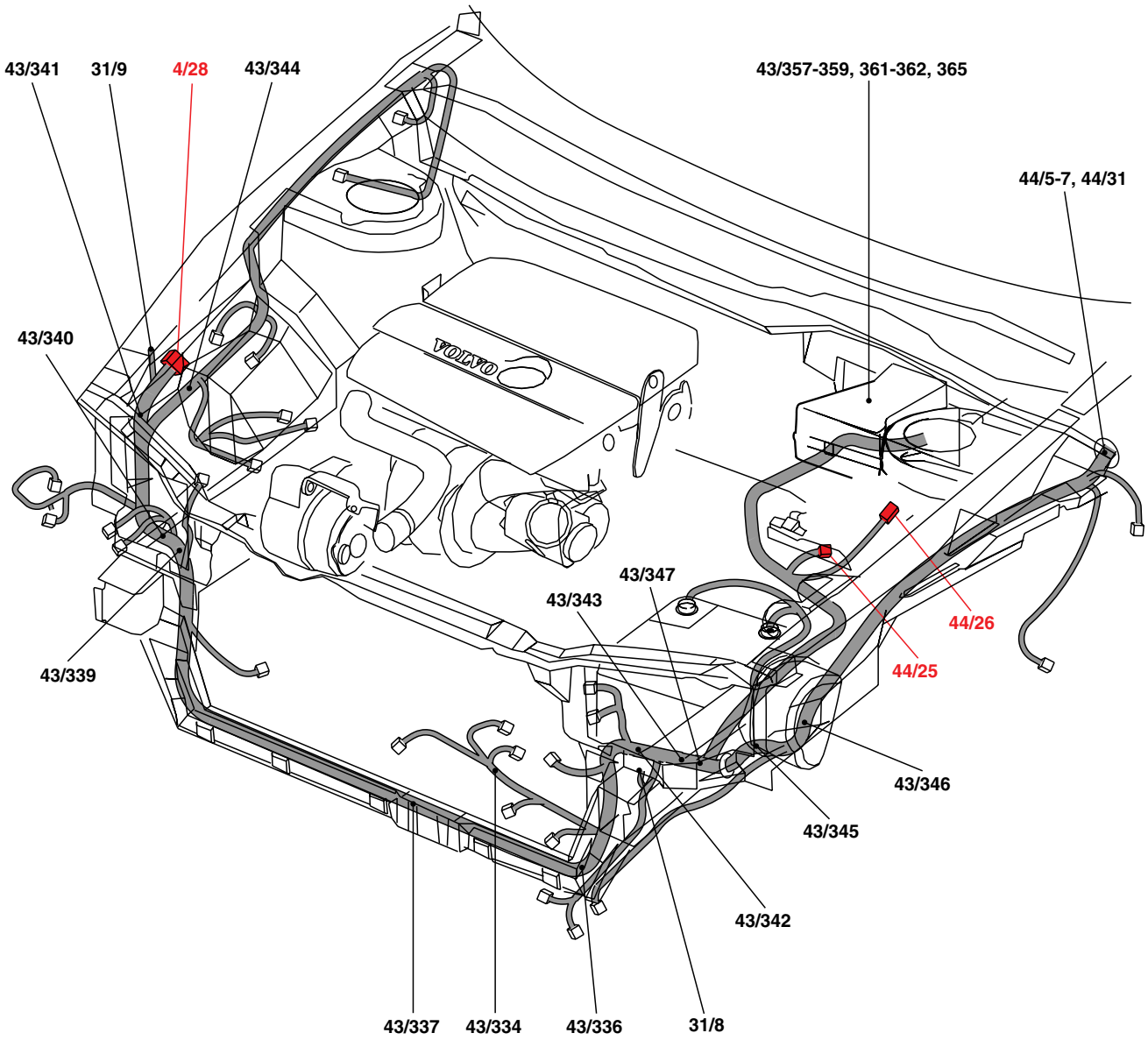


Cable harness routing in vehicle

Engine compartment harness Bifuel

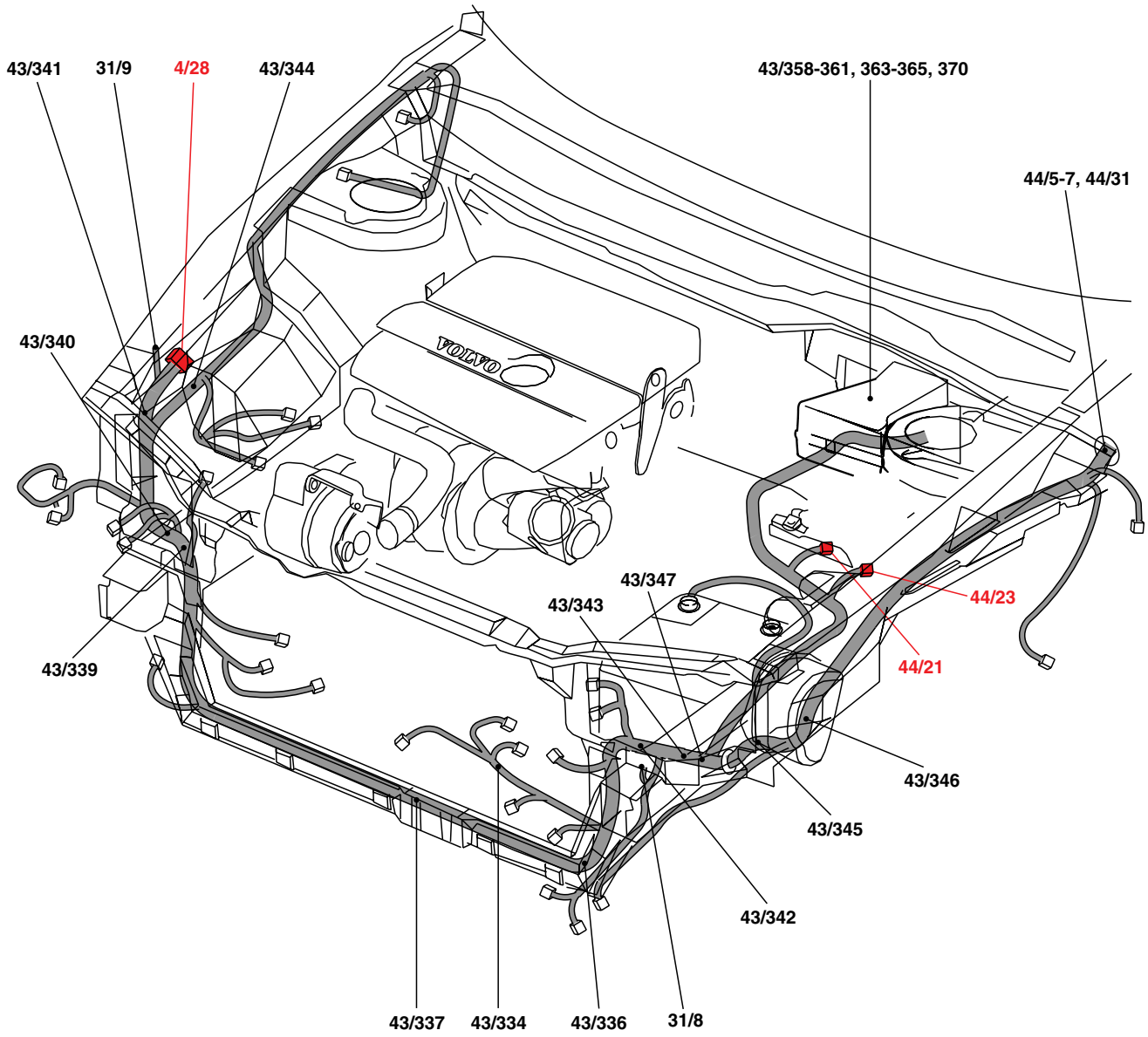


Cable harness routing in vehicle Engine compartment harness diesel



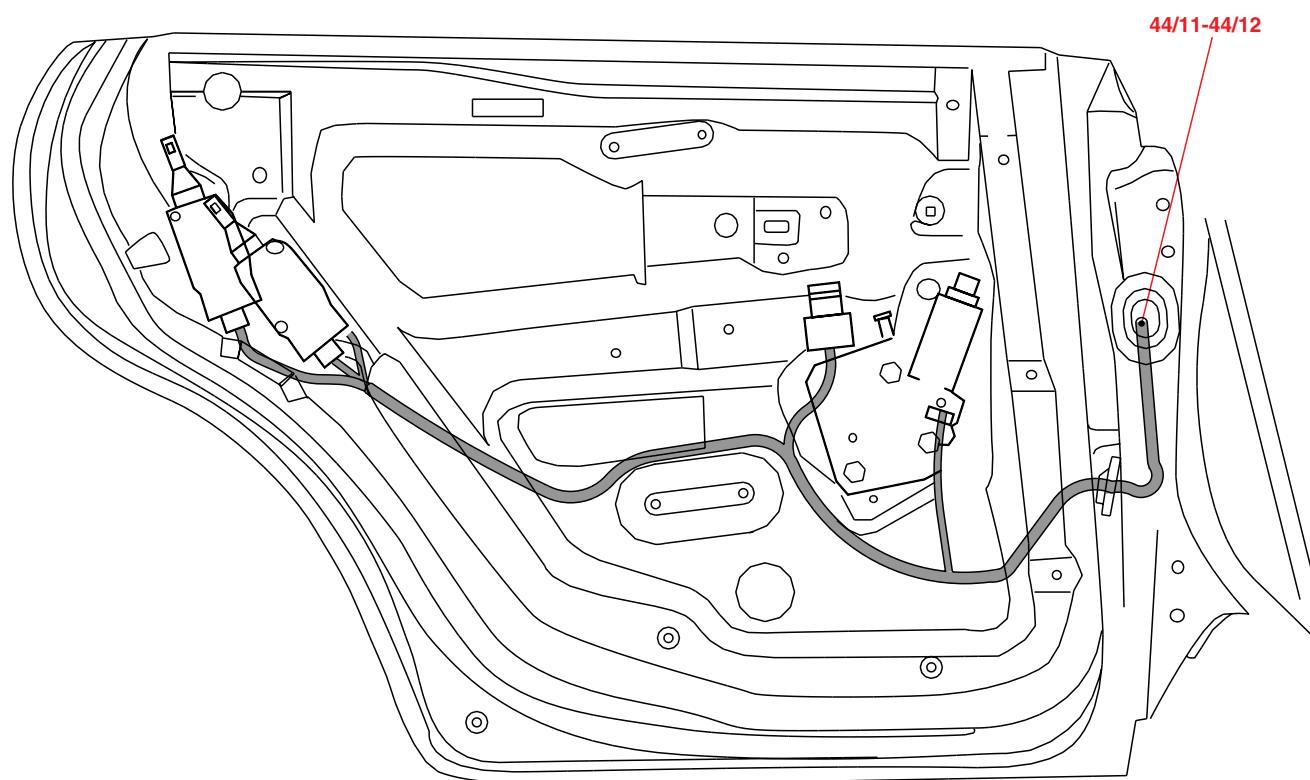
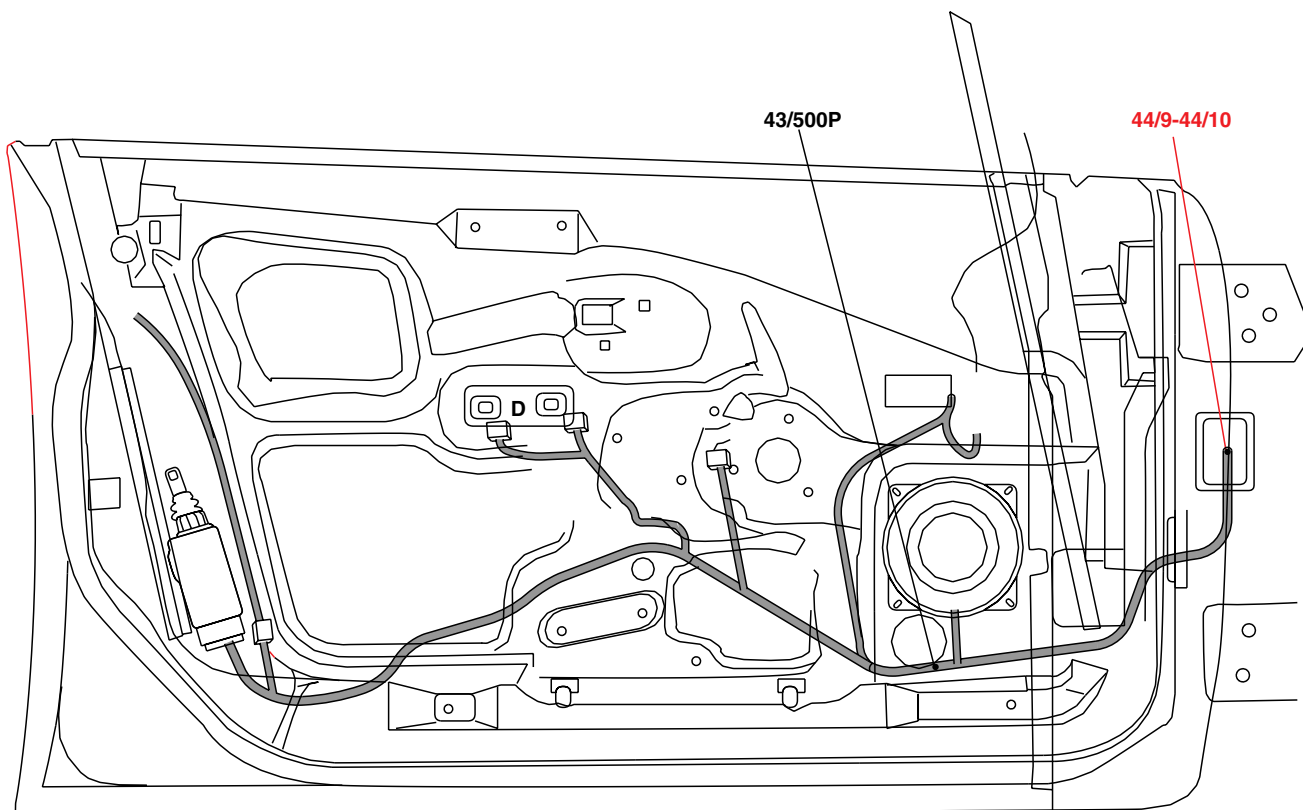
Cable harness routing in vehicle

Engine compartment harness Melco 2



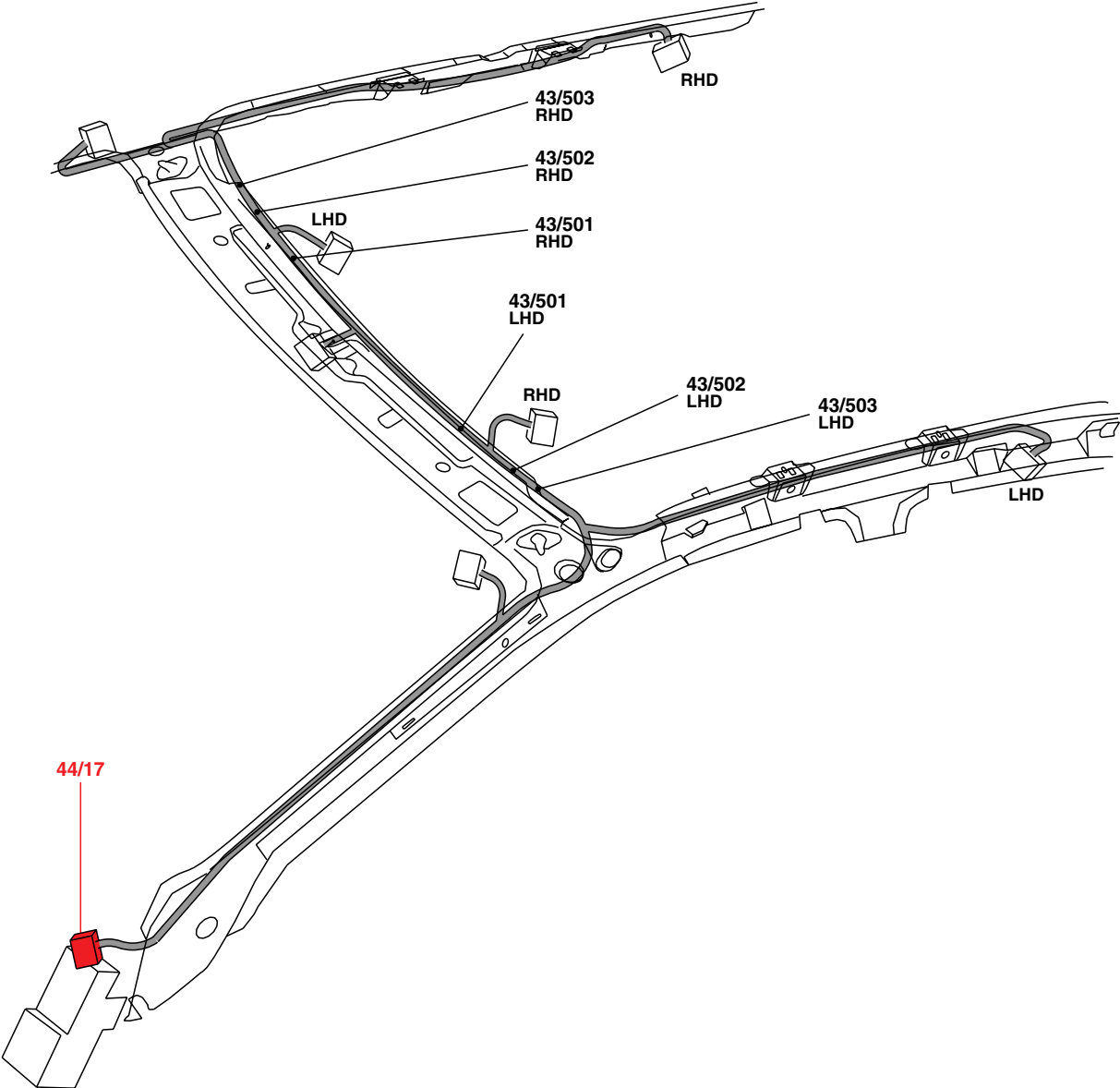
Cable harness routing in vehicle

Front door harness, Rear door harness



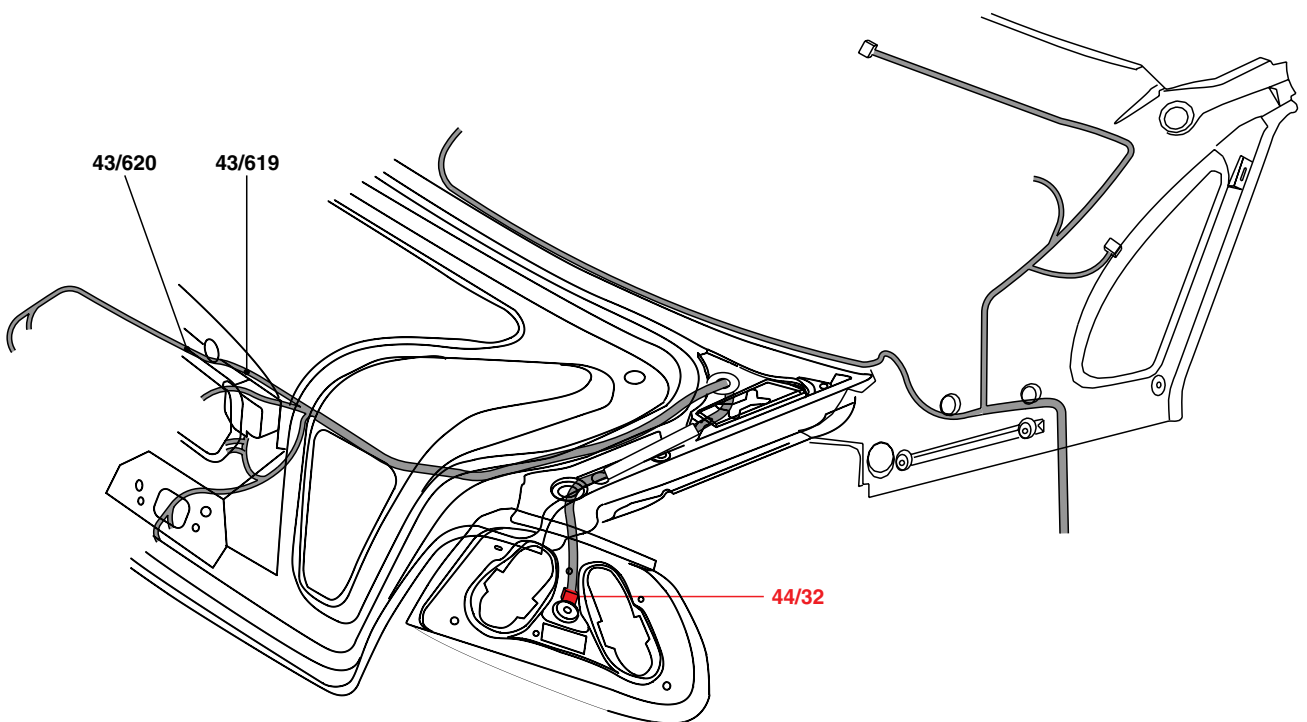
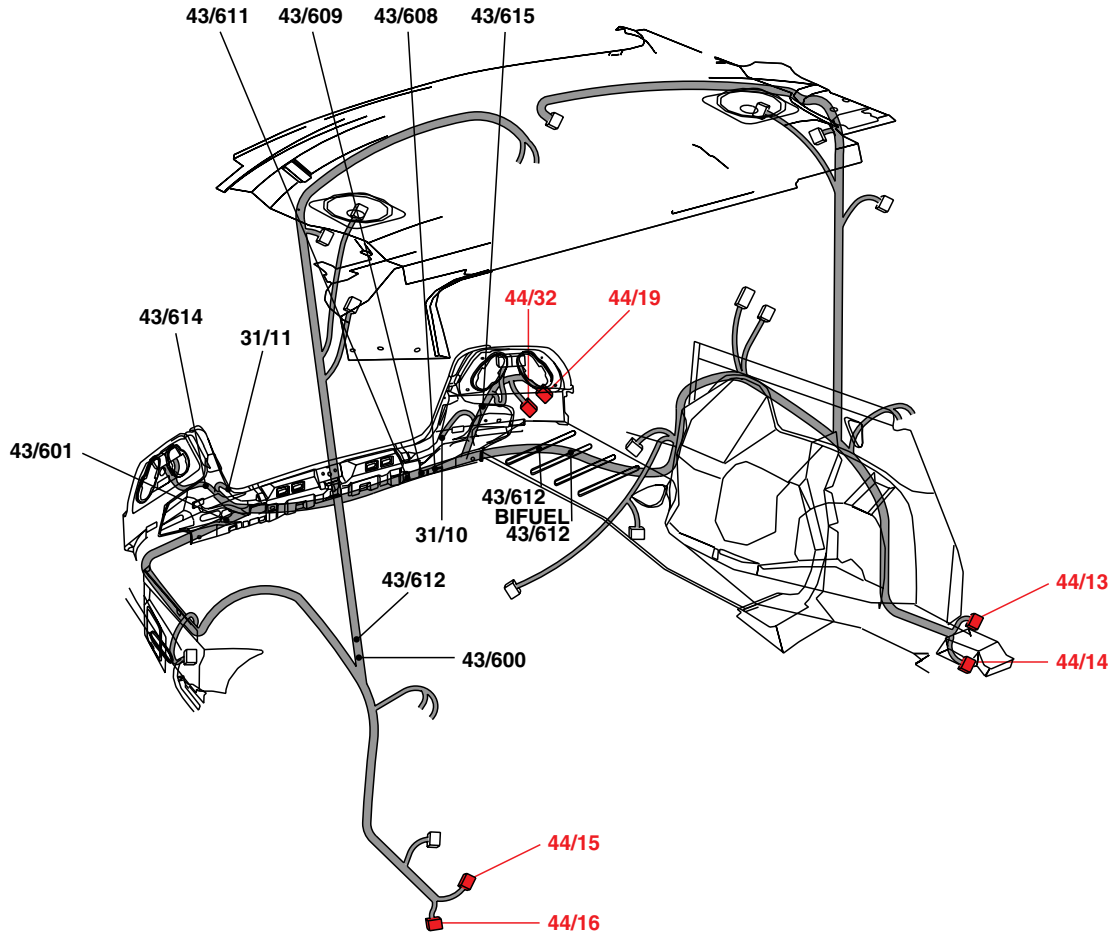
Cable harness routing in vehicle

Roof harness



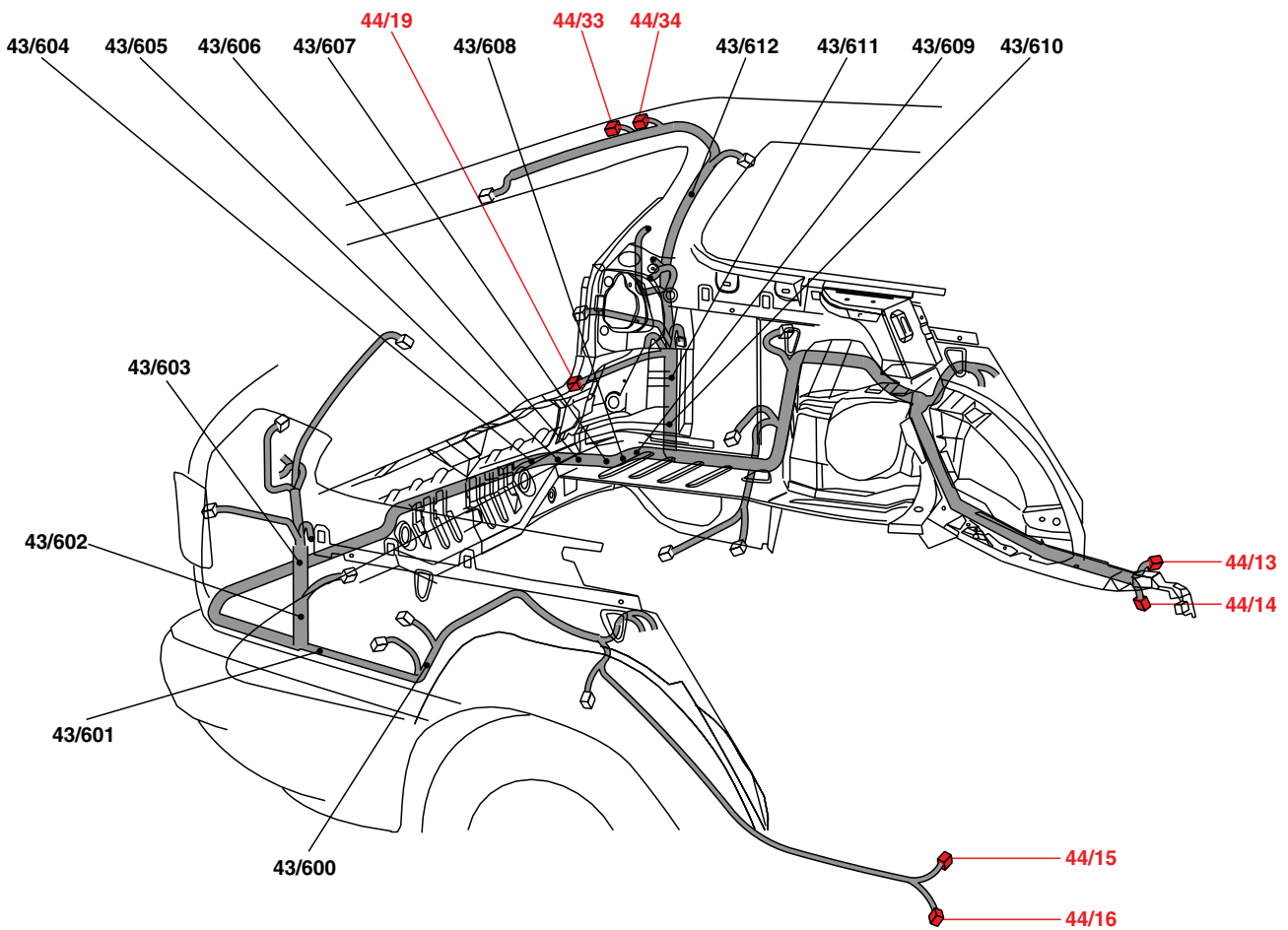
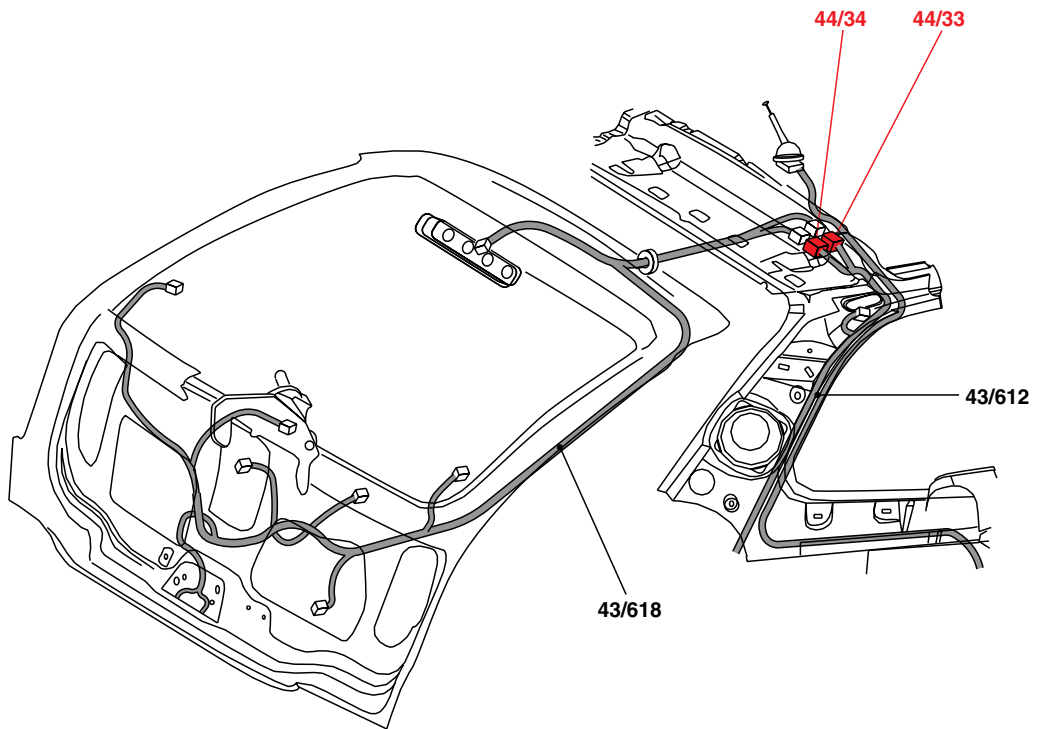
Cable harness routing in vehicle

Rear harness, Cargo compartment harness S40



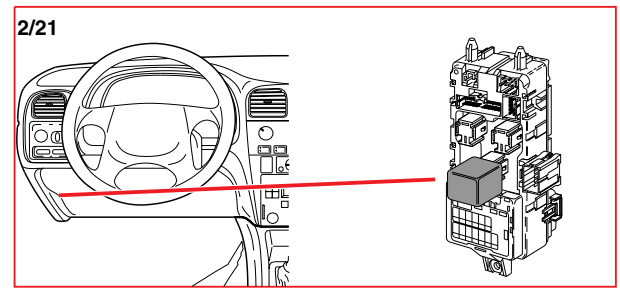
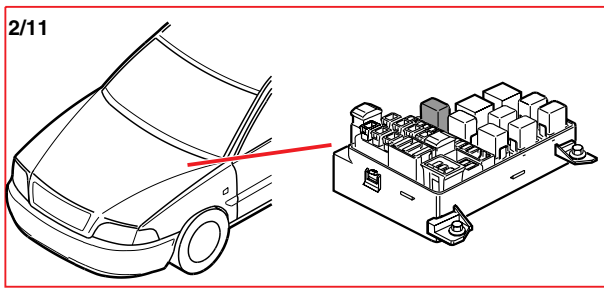
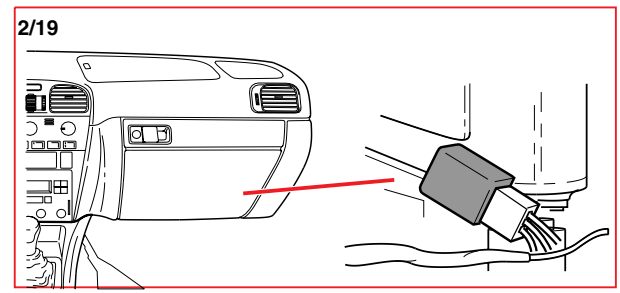
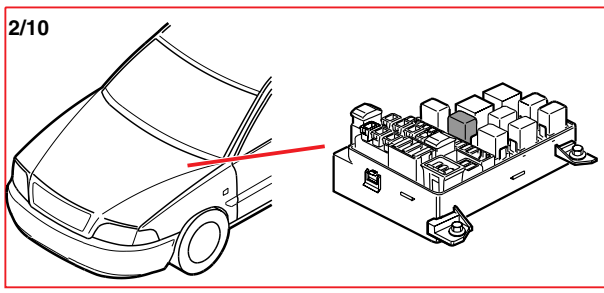
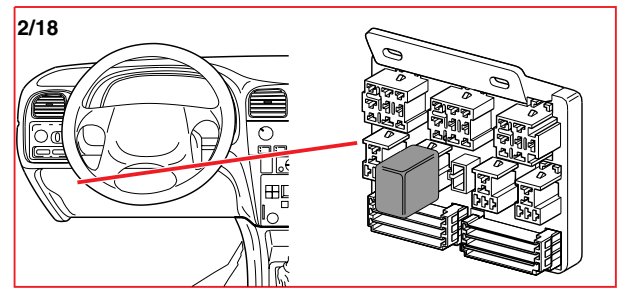
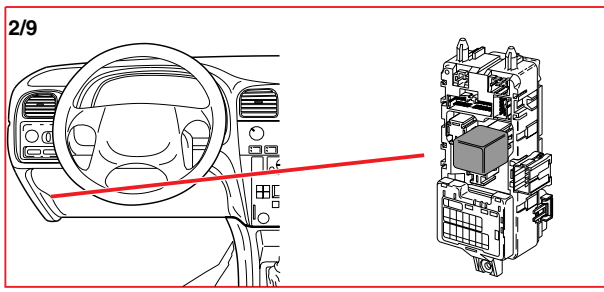
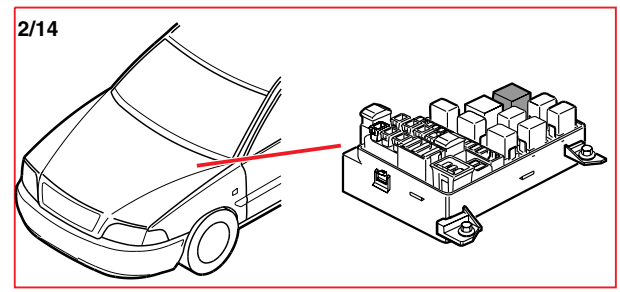
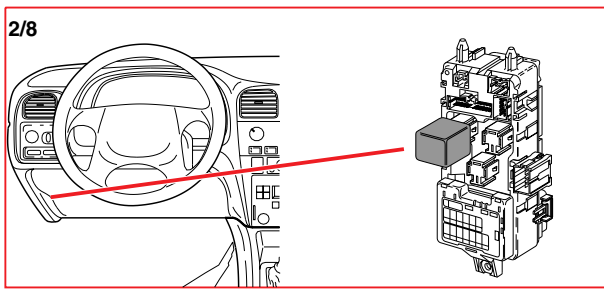
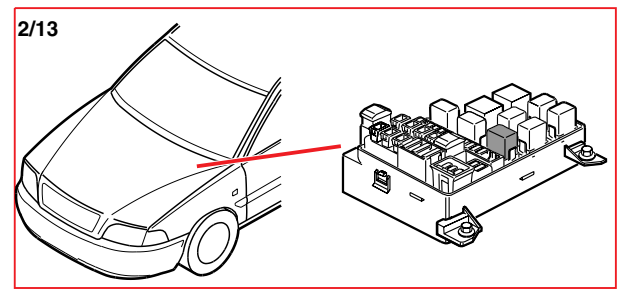
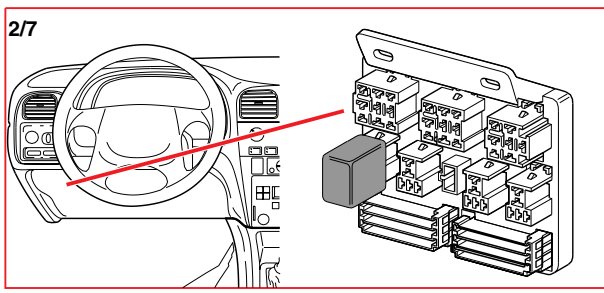
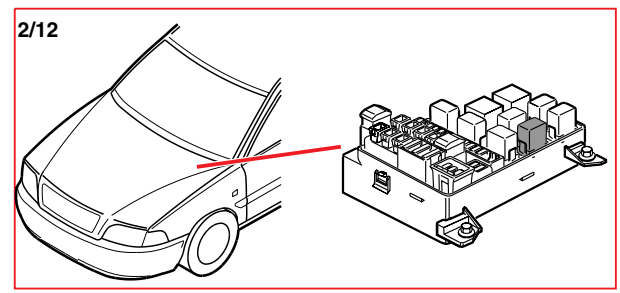
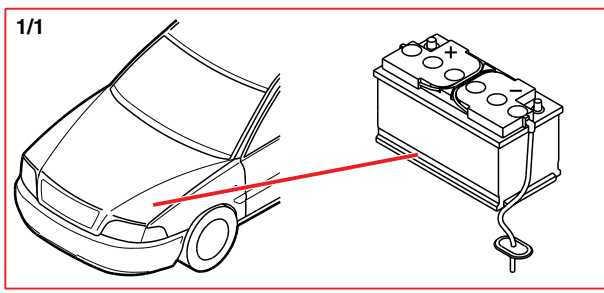
Cable harness routing in vehicle

Tailgate harness, Rear harness V40



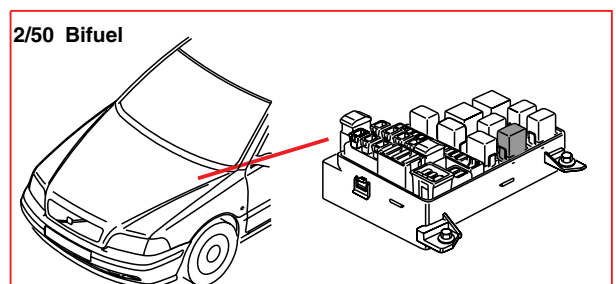
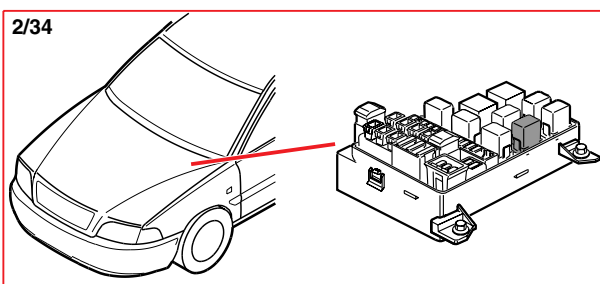
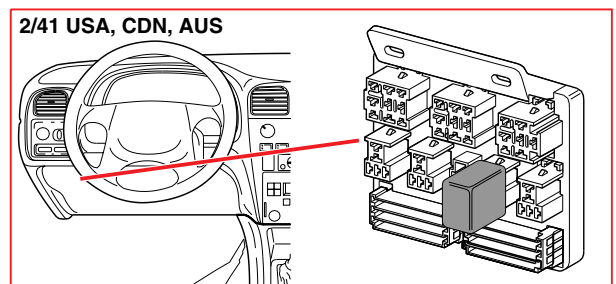
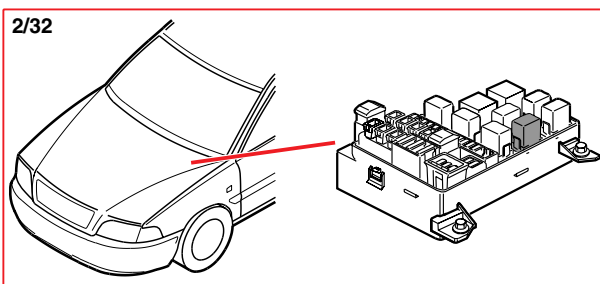
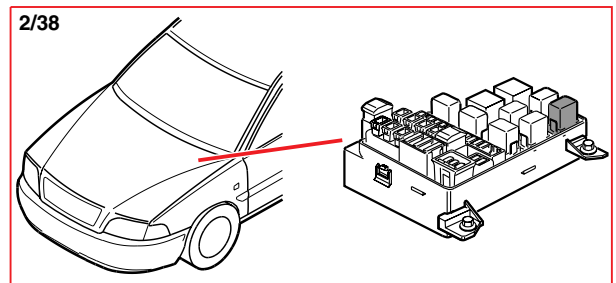
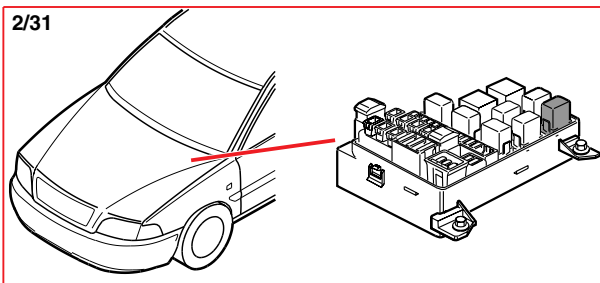
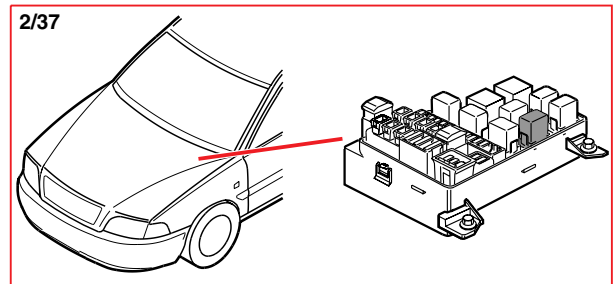
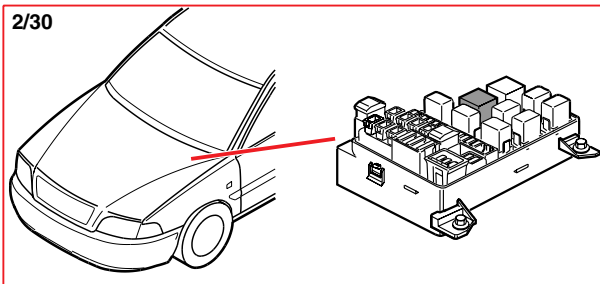
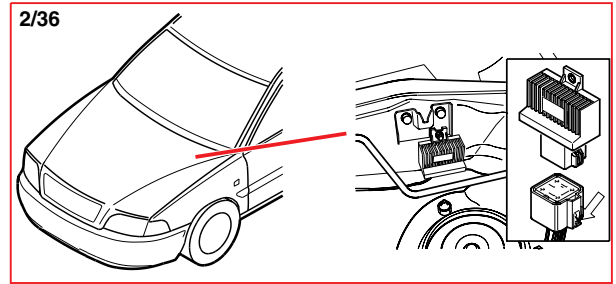
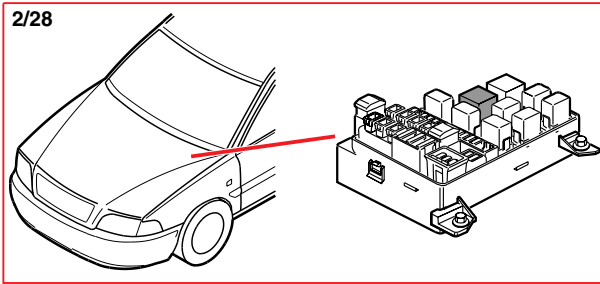
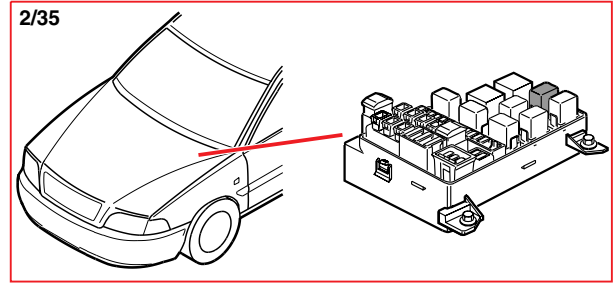
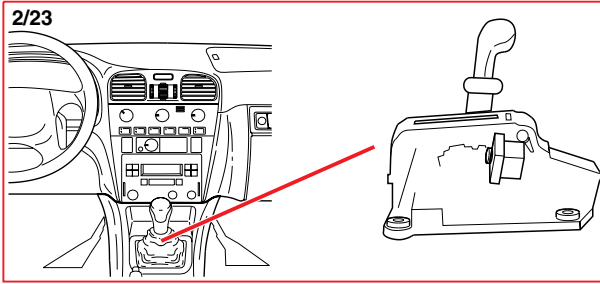
Component illustrations

1/1 - 2/21



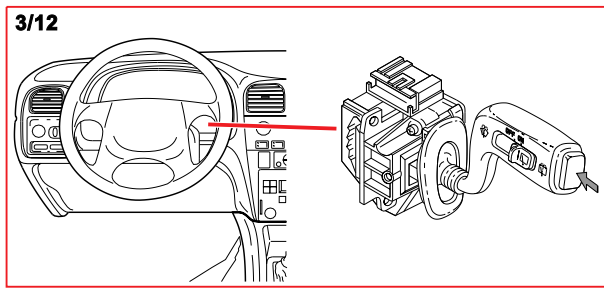
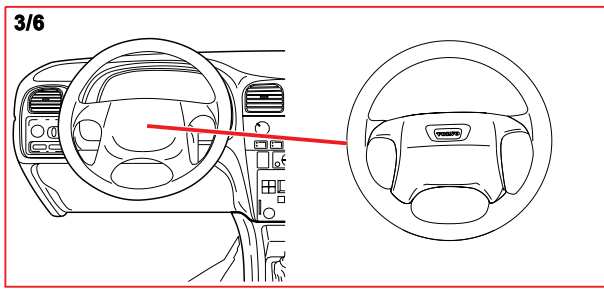
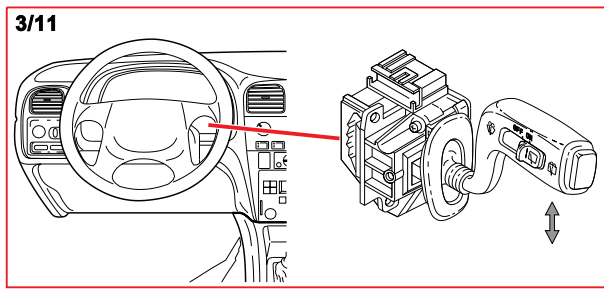
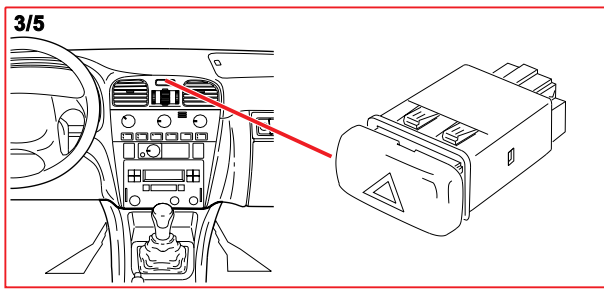
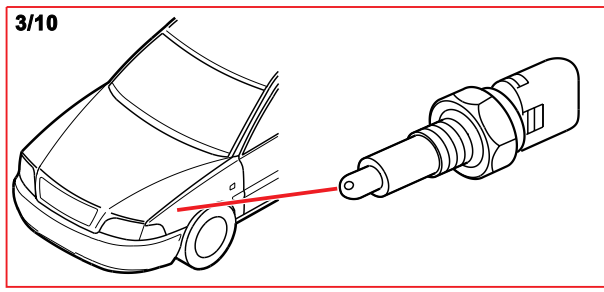
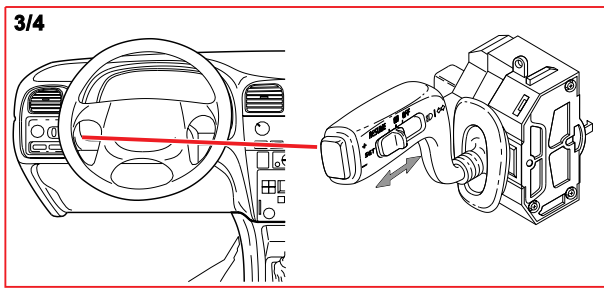
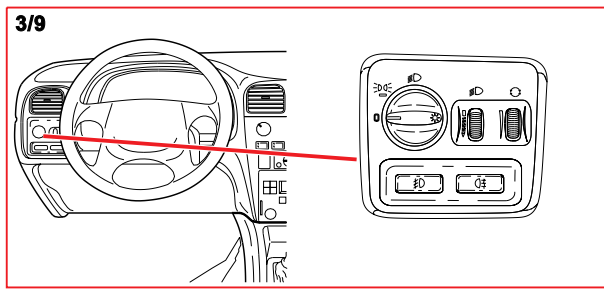
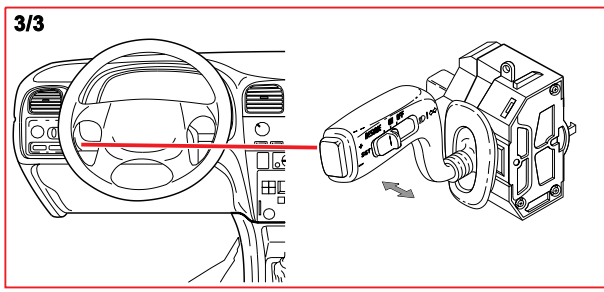
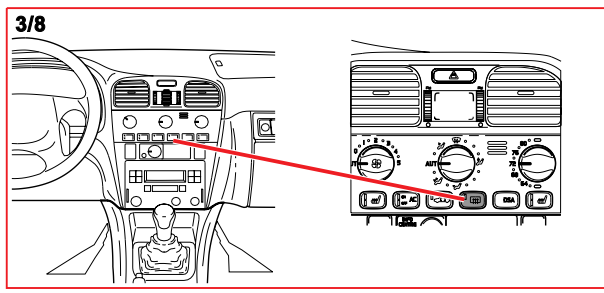
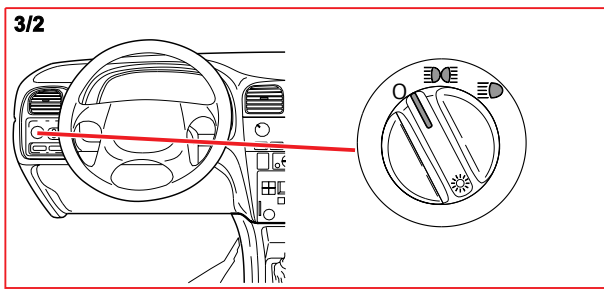
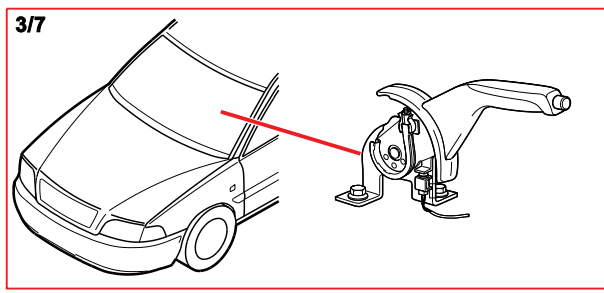
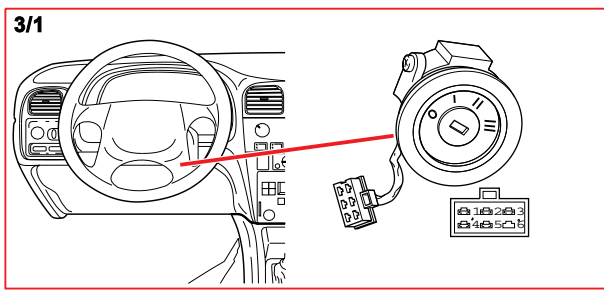
Component illustrations

2/23 - 2/50



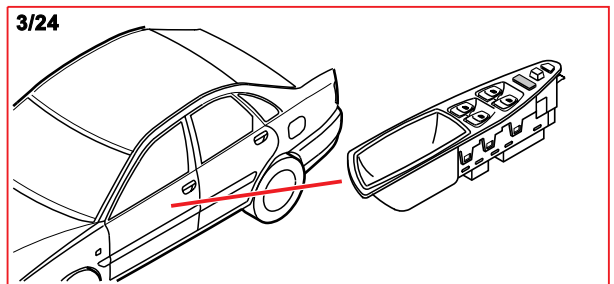
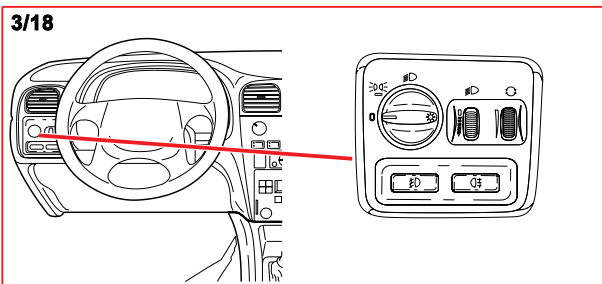
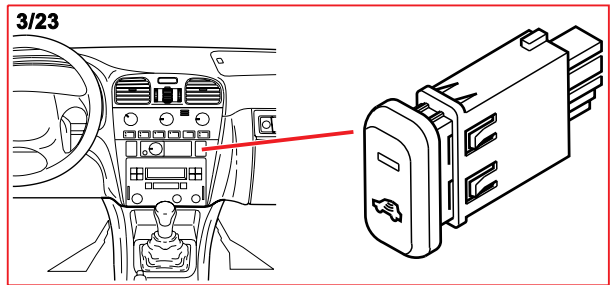
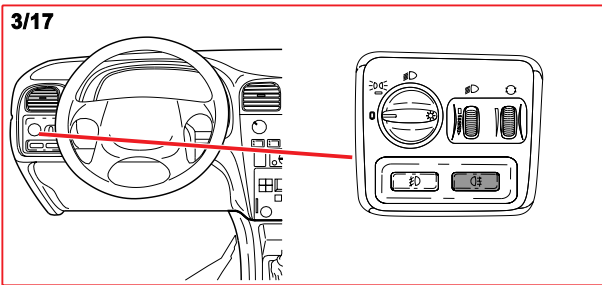
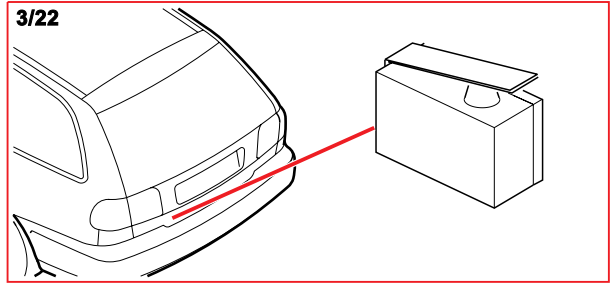
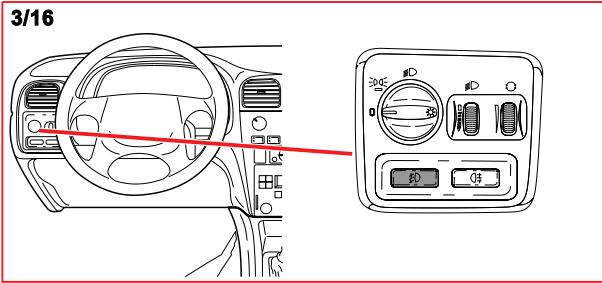
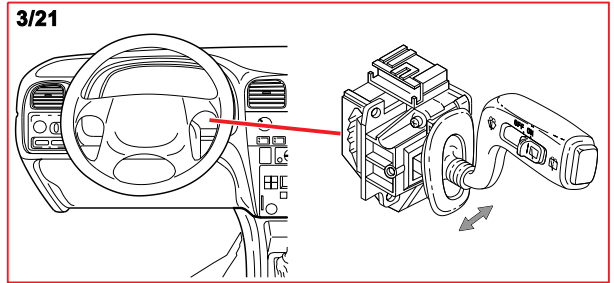
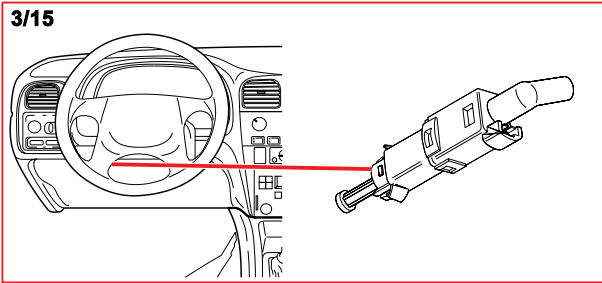
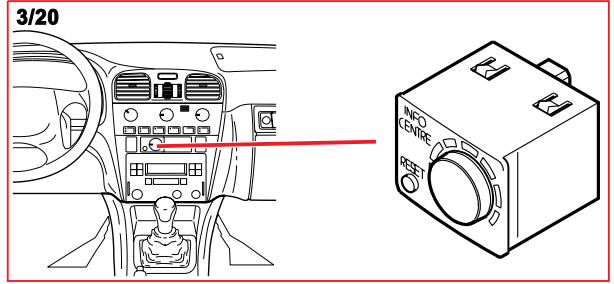
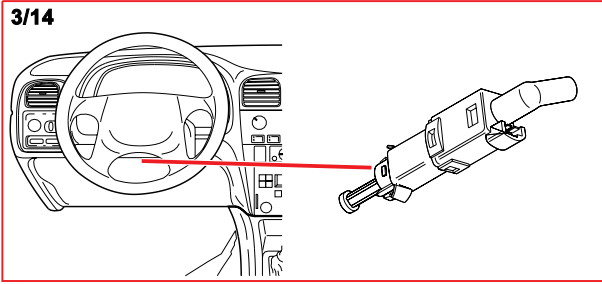
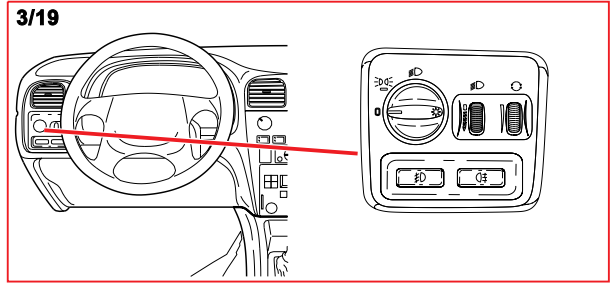
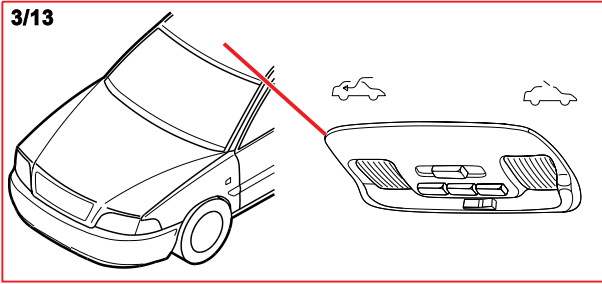
Component illustrations

3/1 - 3/12



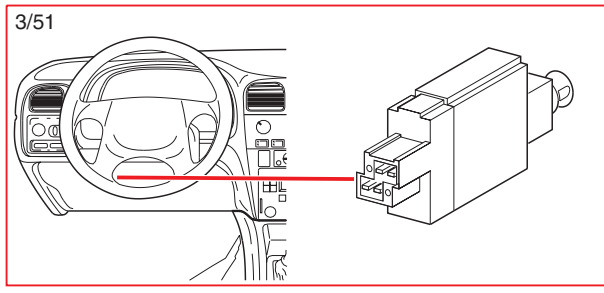
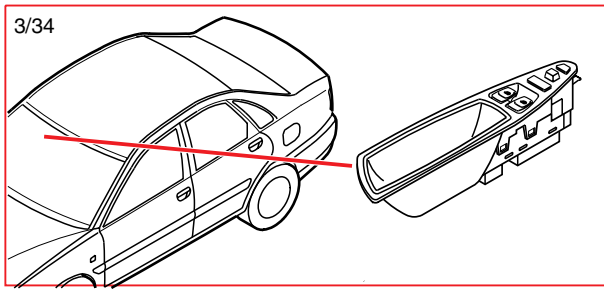
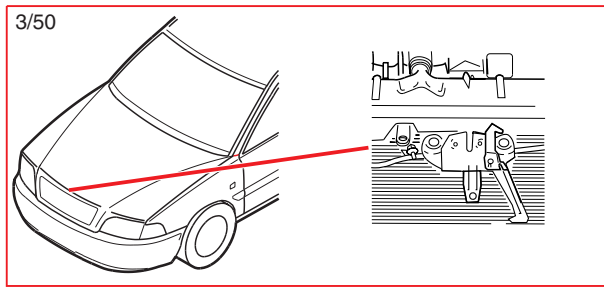
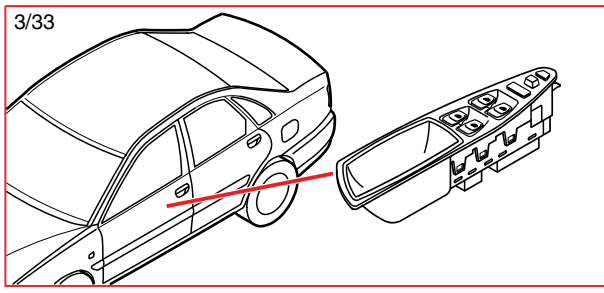
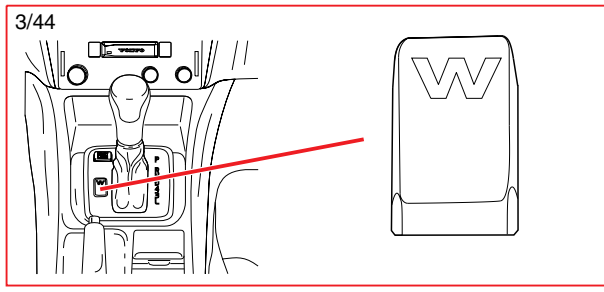
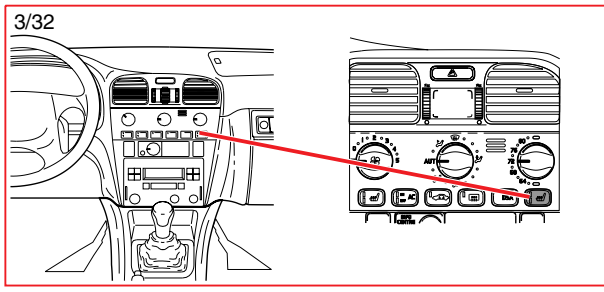
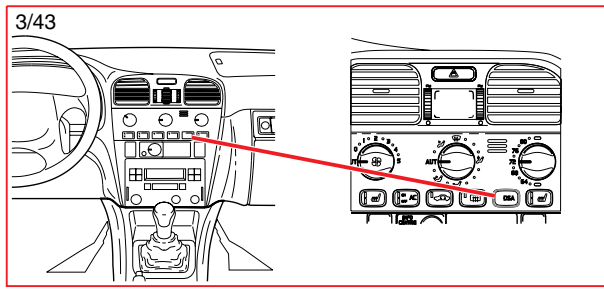
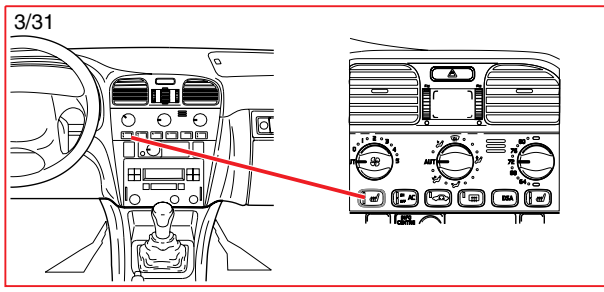
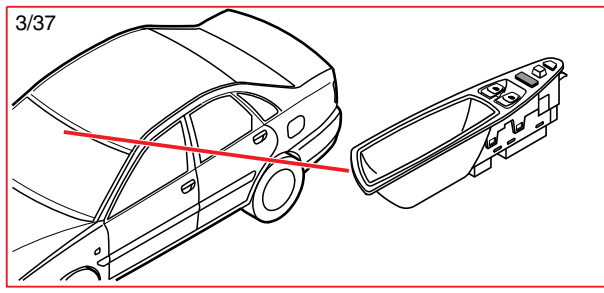
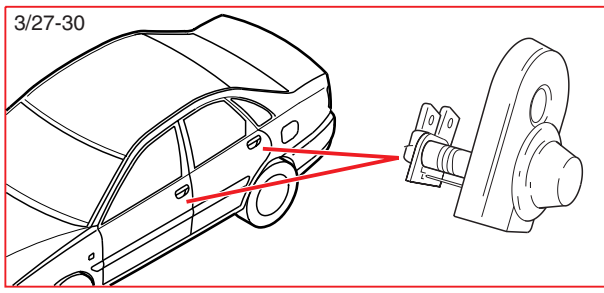
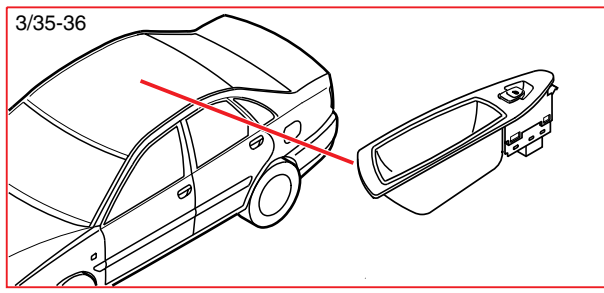
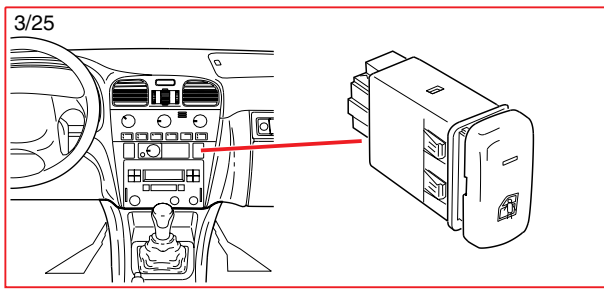
Component illustrations

3/13 - 3/24



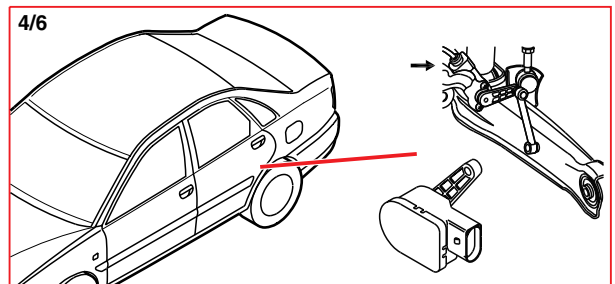
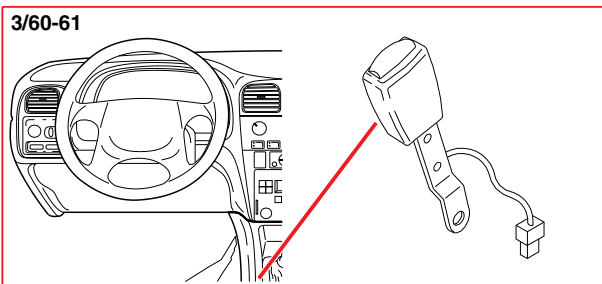
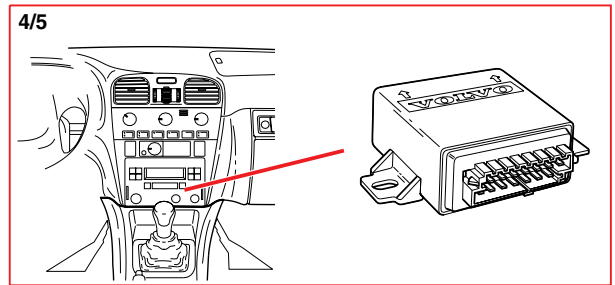
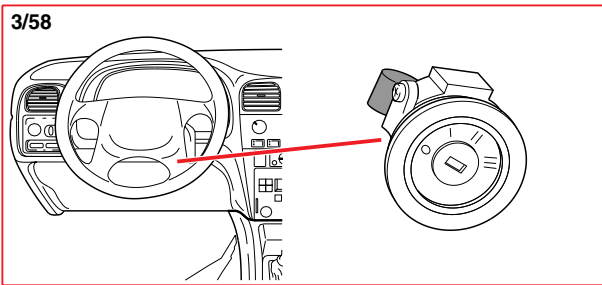
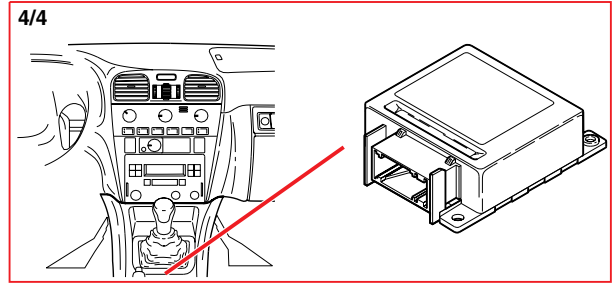
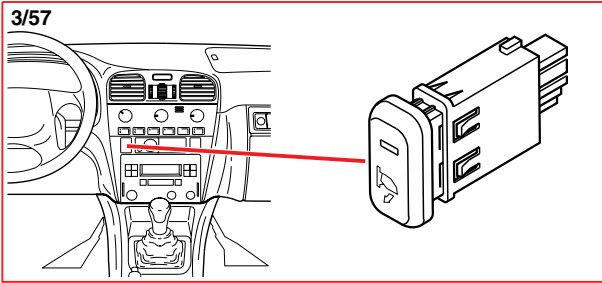
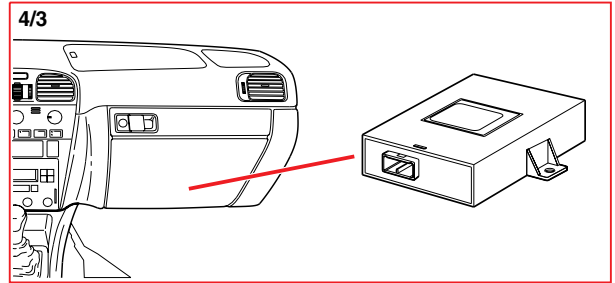
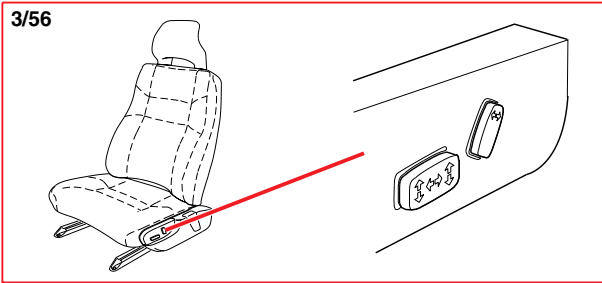
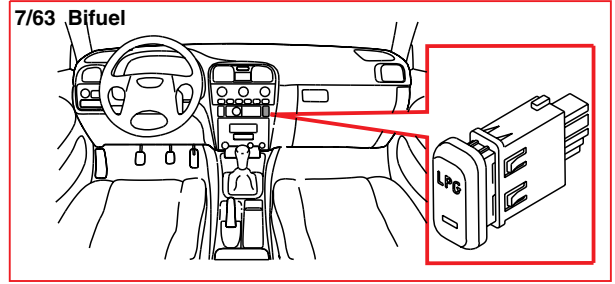
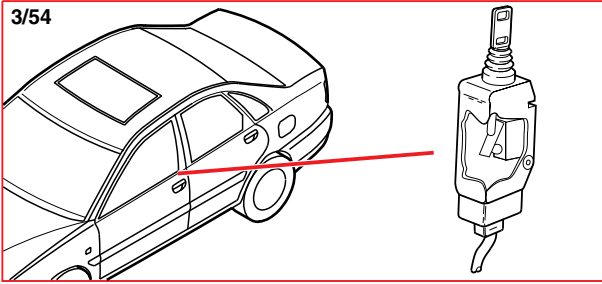
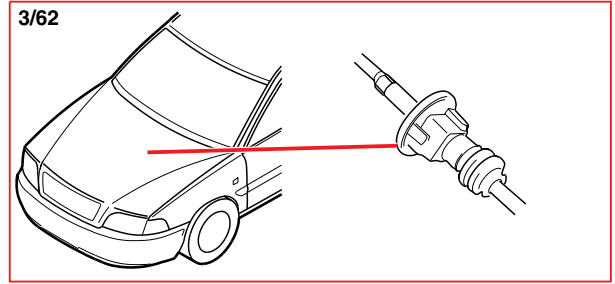
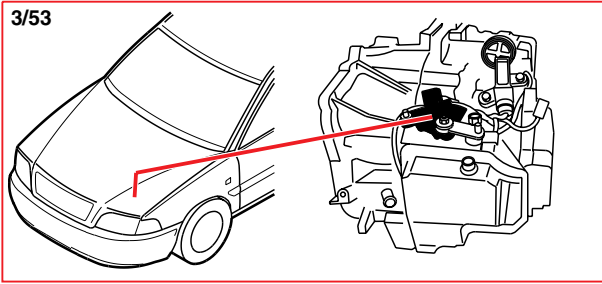
Component illustrations

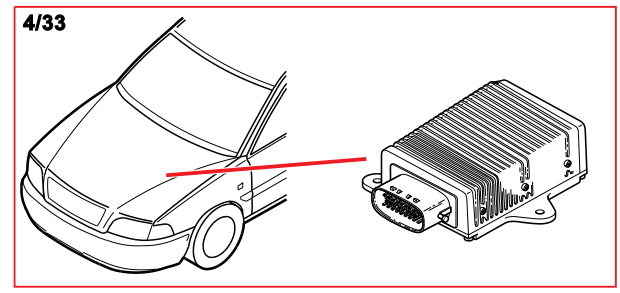
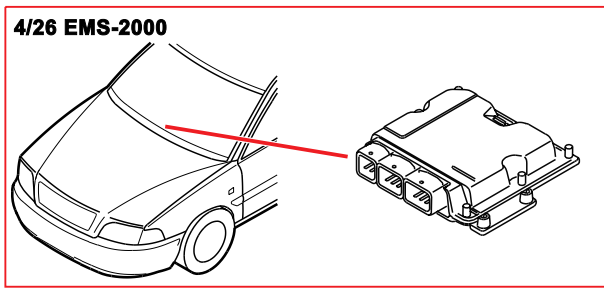
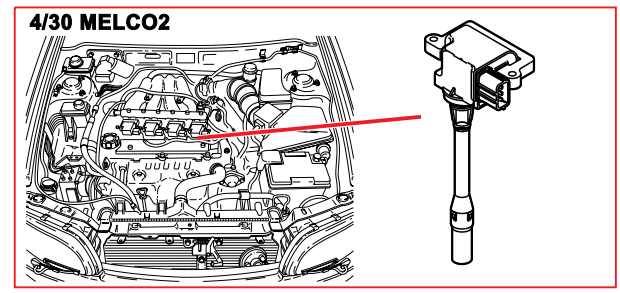
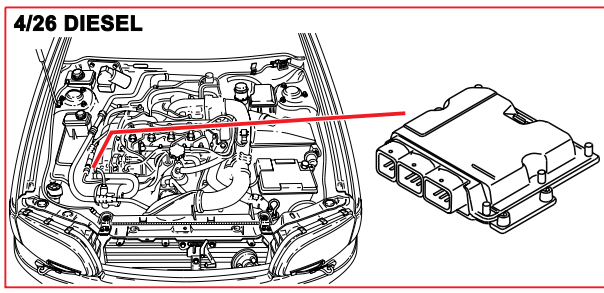
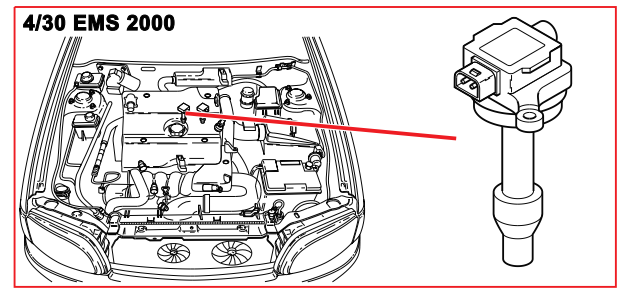
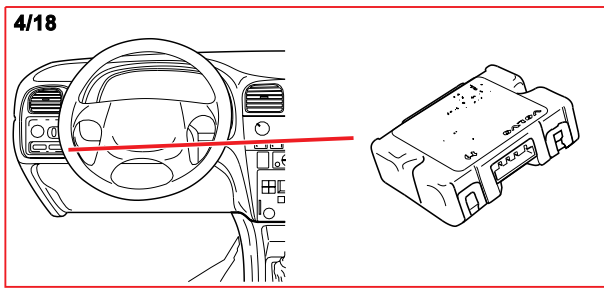
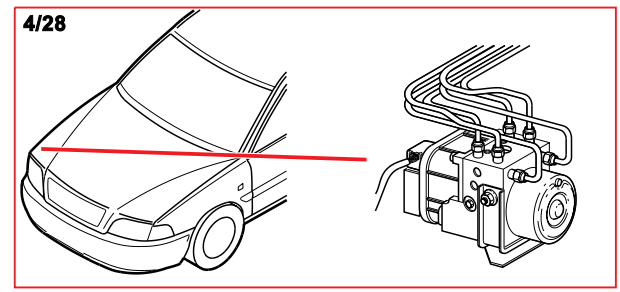
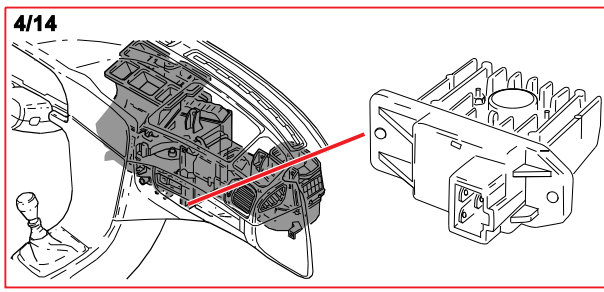
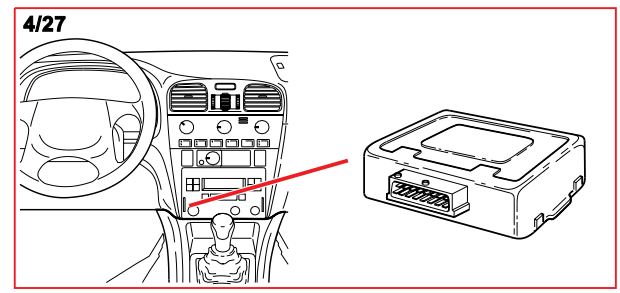
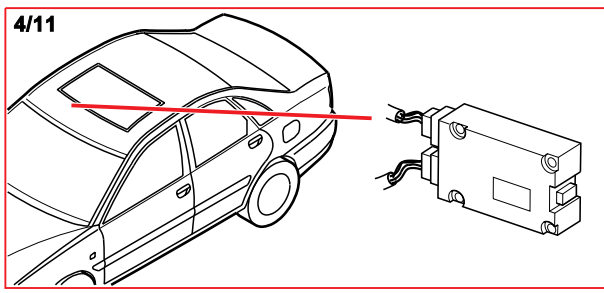
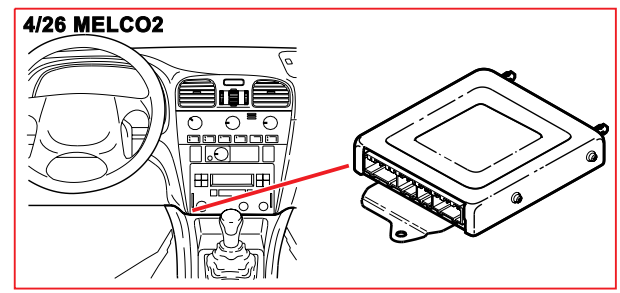
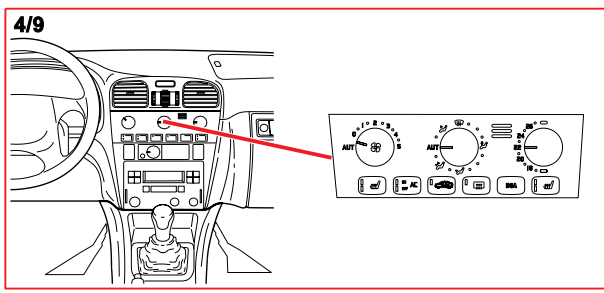
3/25 -3/51



Component illustrations

3/53 - 4/6

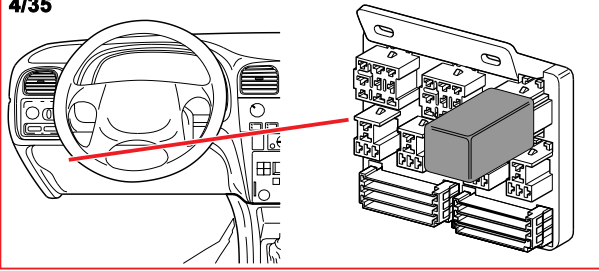




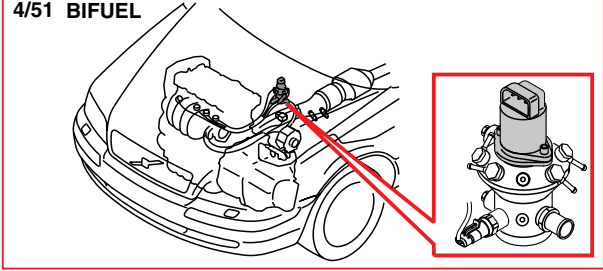
Component illustrations

4/35 - 6/1

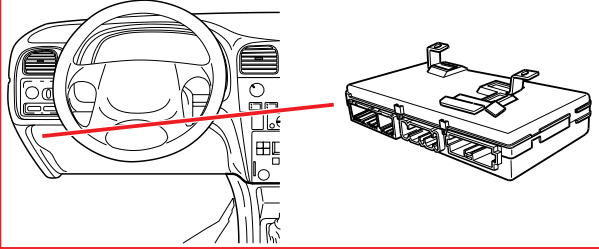
4/35



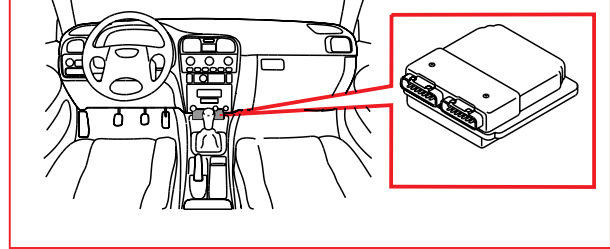
4/51 BIFUEL



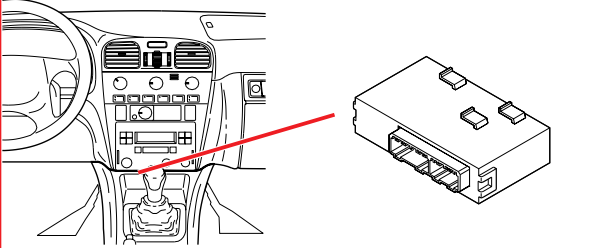
4/38



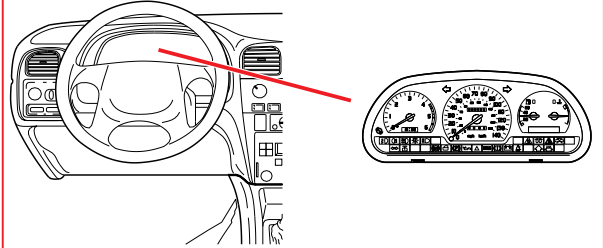
4/75 Bifuel



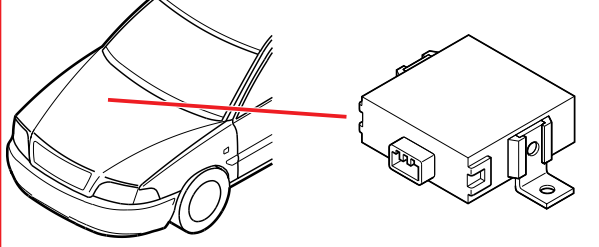
4/39



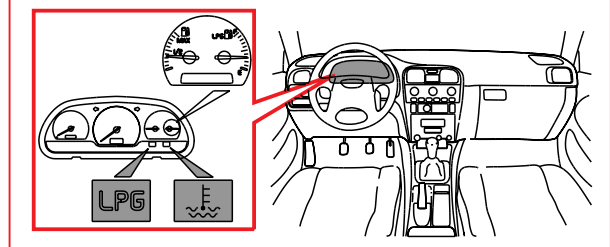
5/1



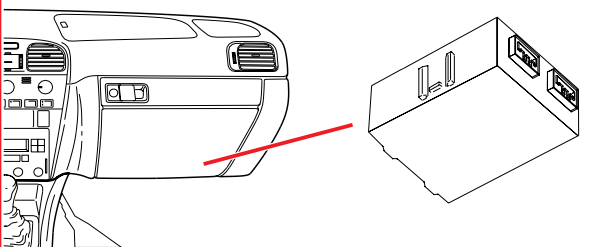
4/40



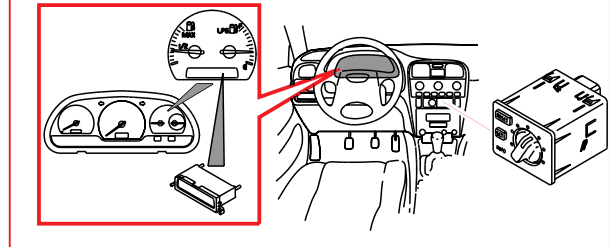
5/1 Bifuel



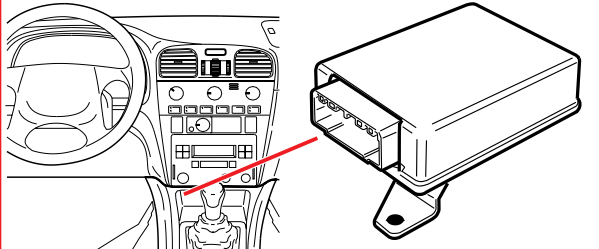
4/41



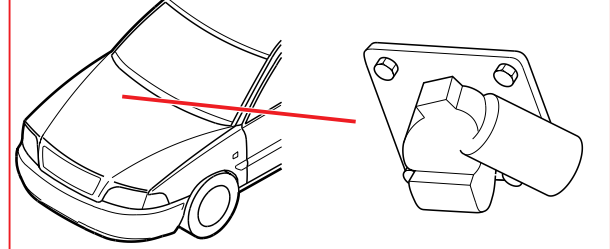
5/4



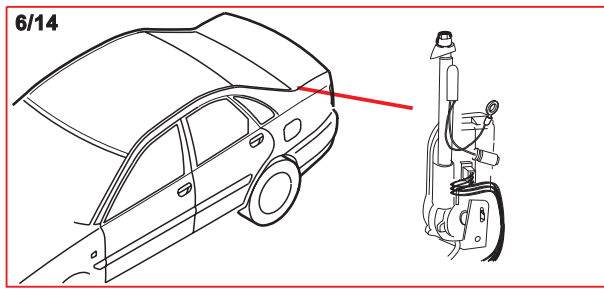
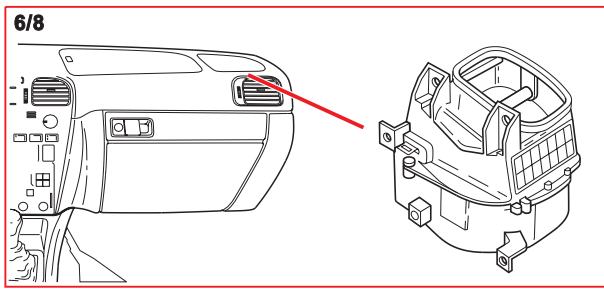
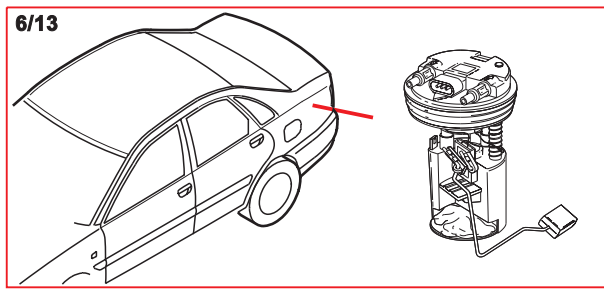
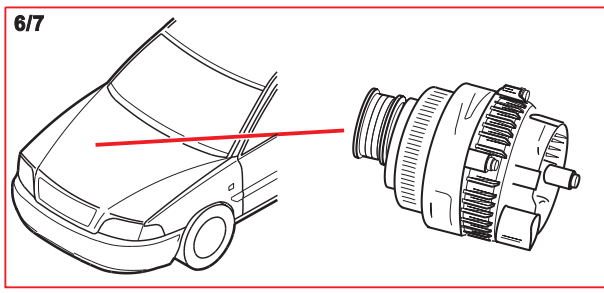
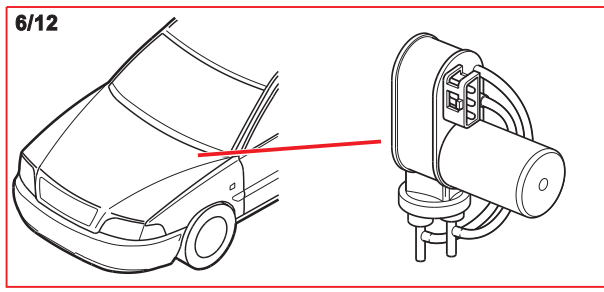
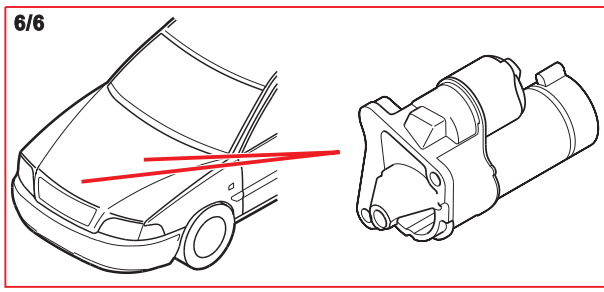
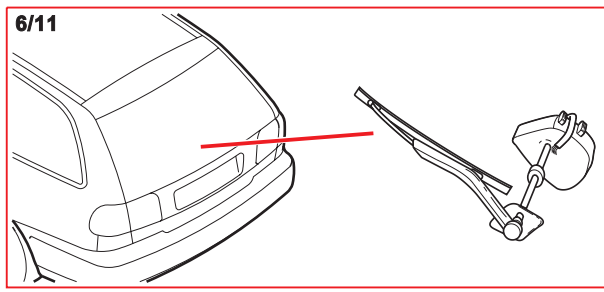
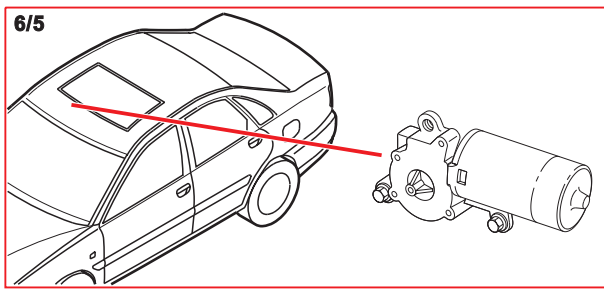
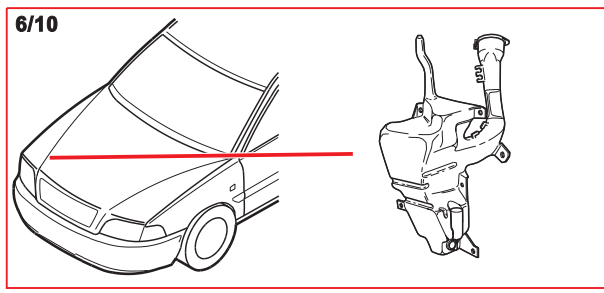
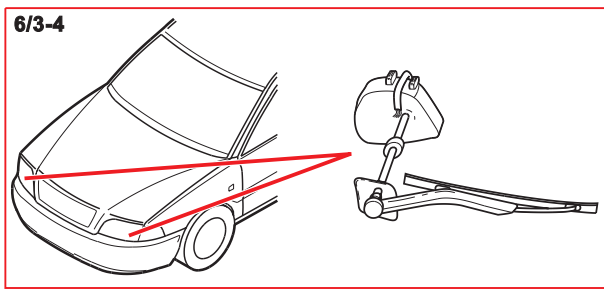
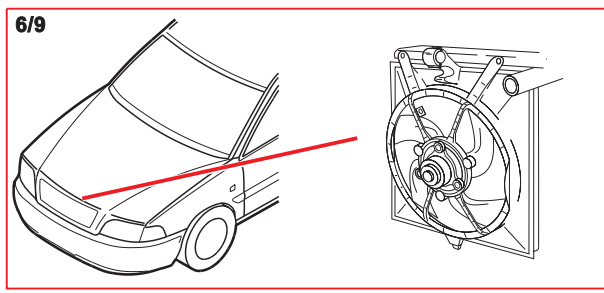
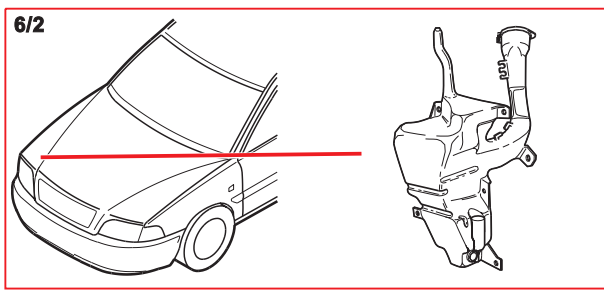
4/50



6/1

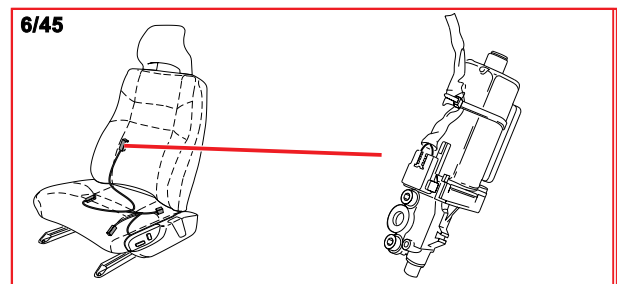
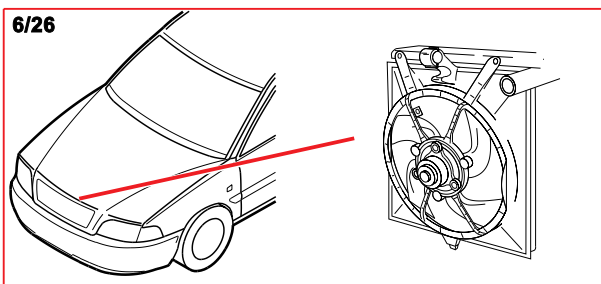
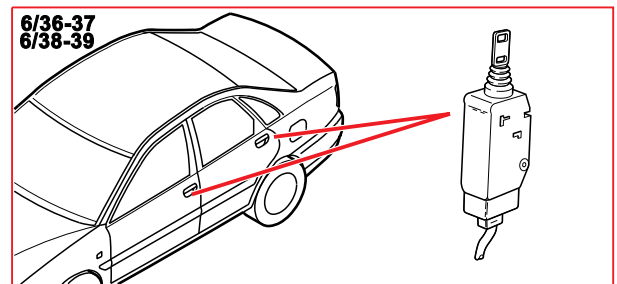
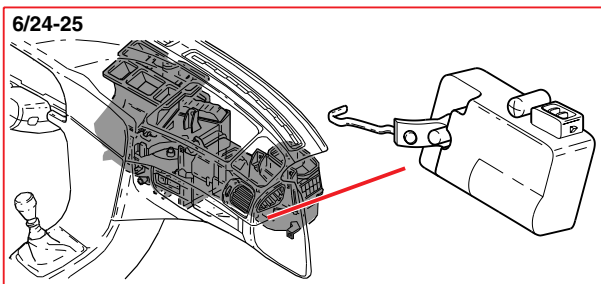
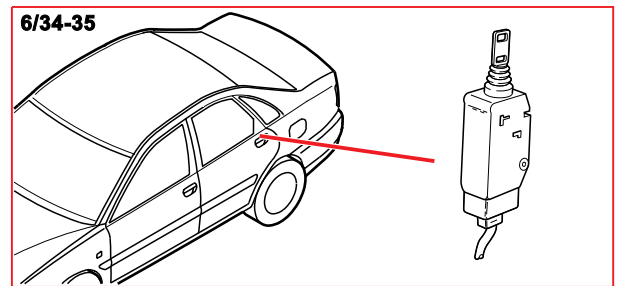
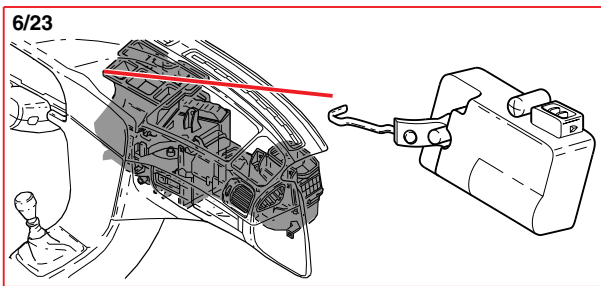
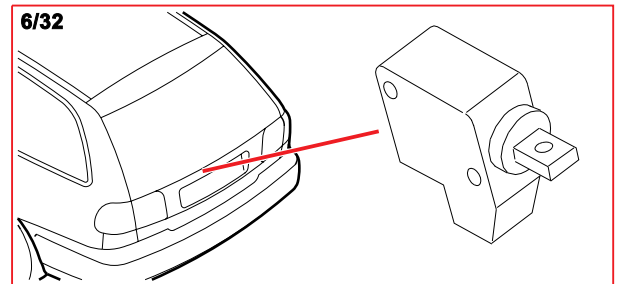
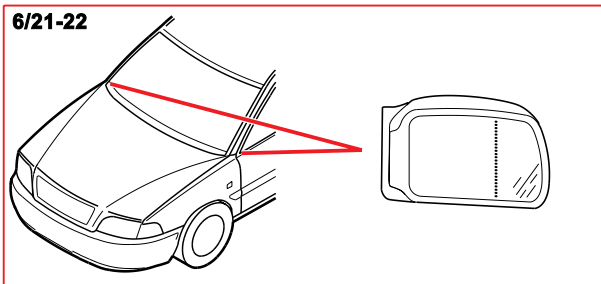
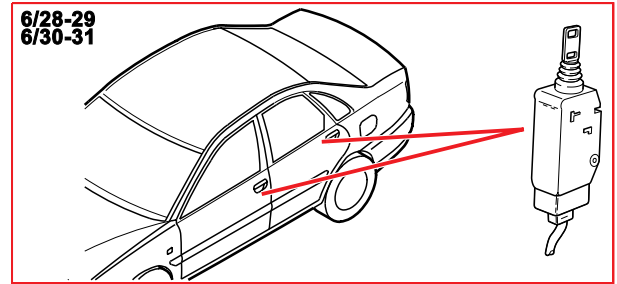
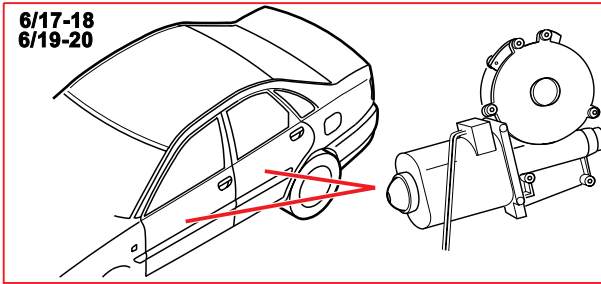
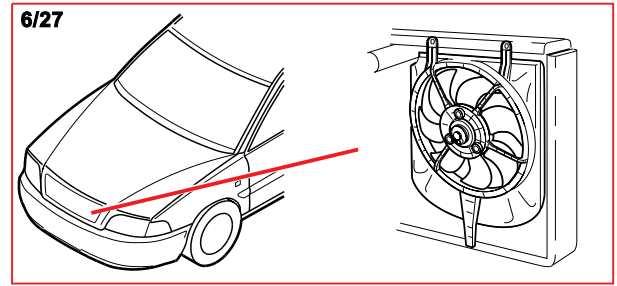
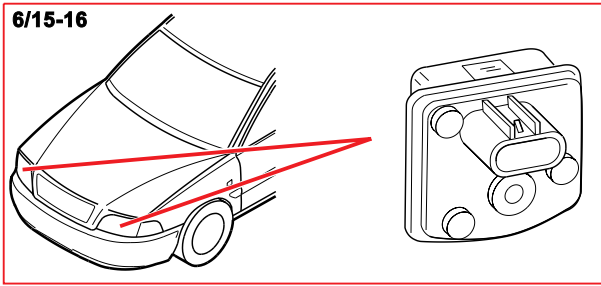


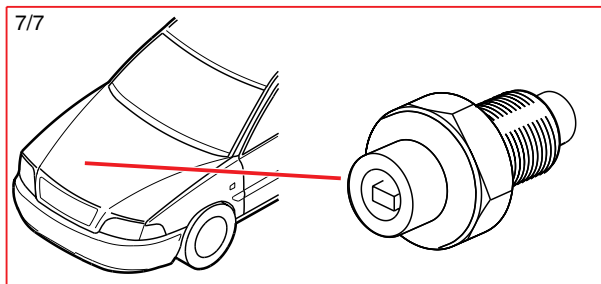
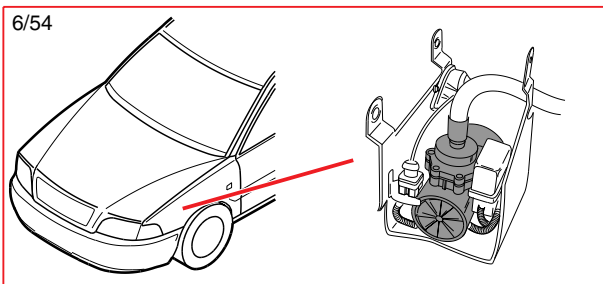
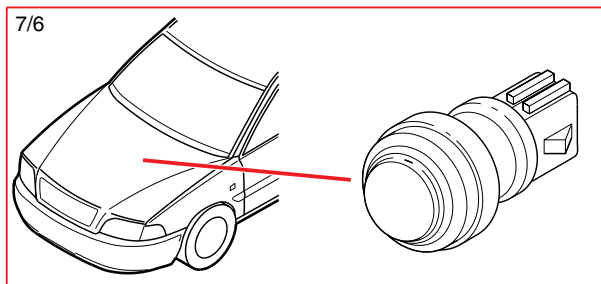
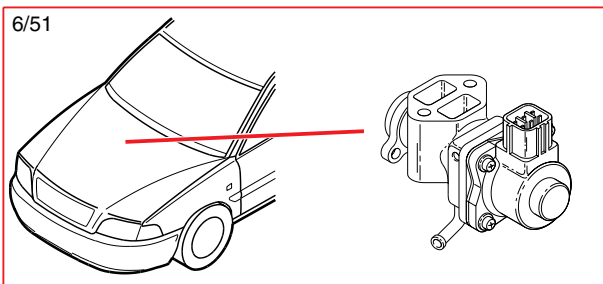
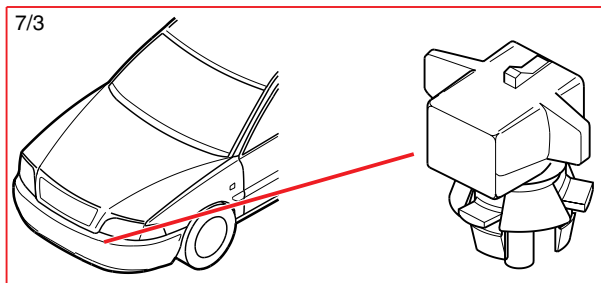
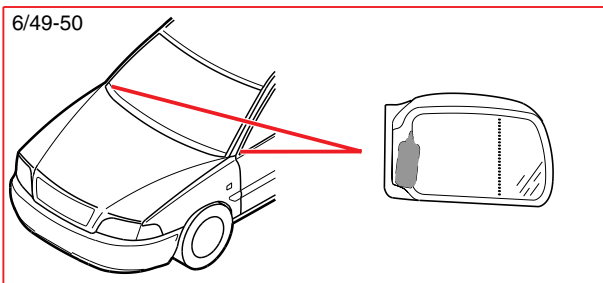
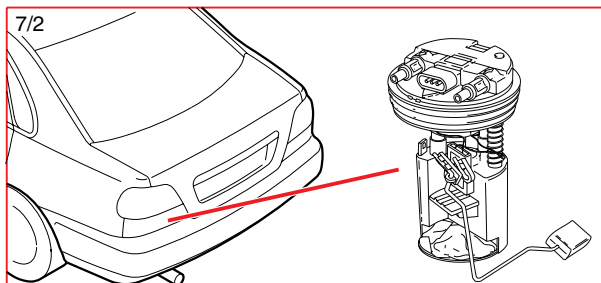
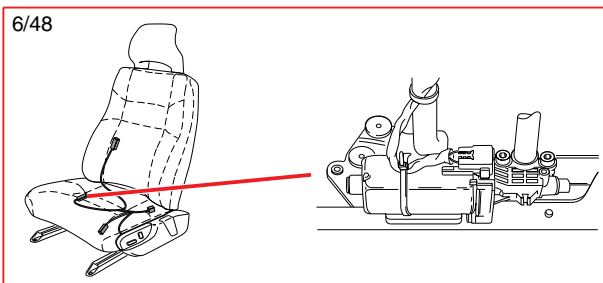
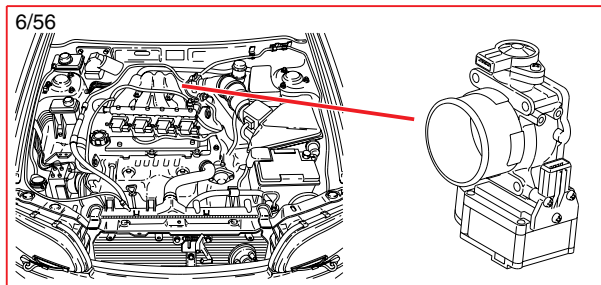
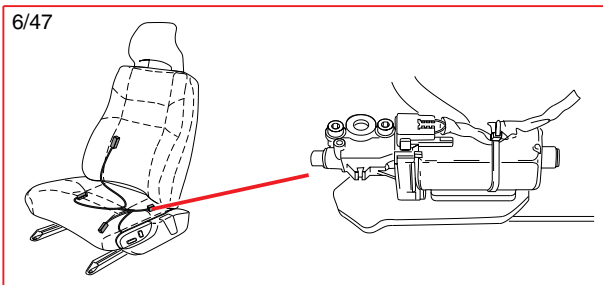
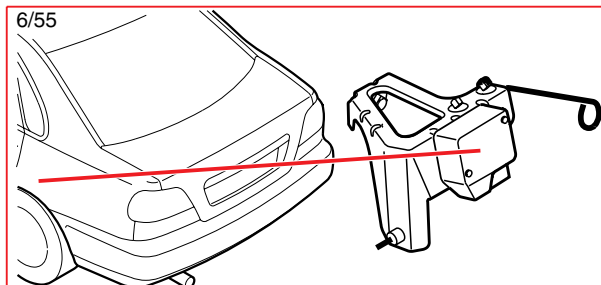
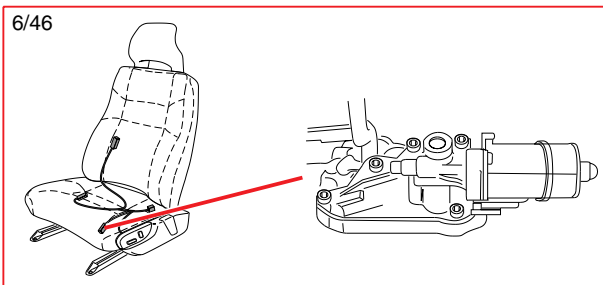
Component illustrations
6/2 - 6/14



Component illustrations

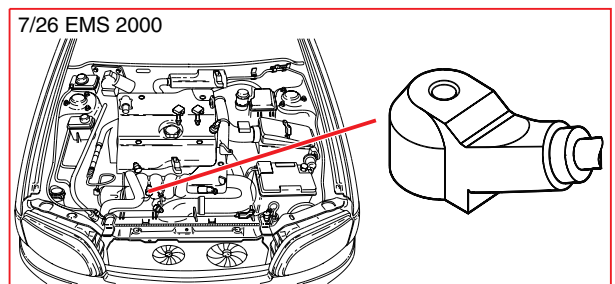
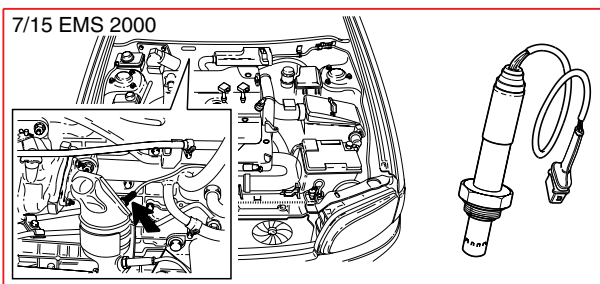
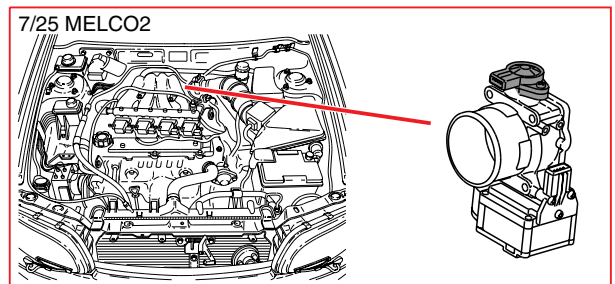
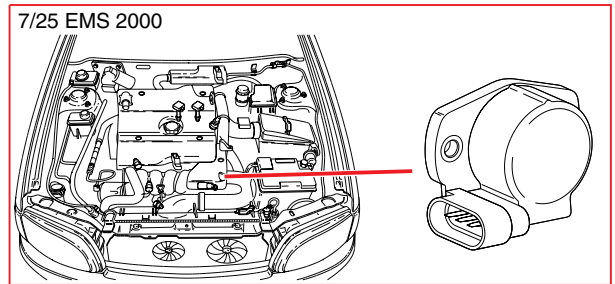
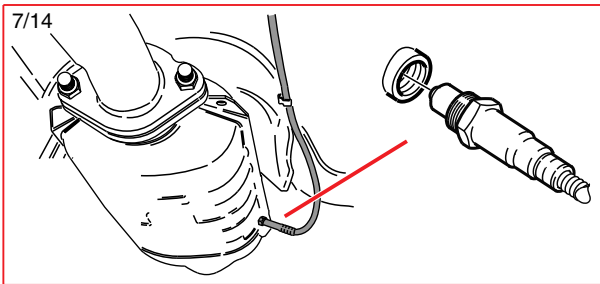
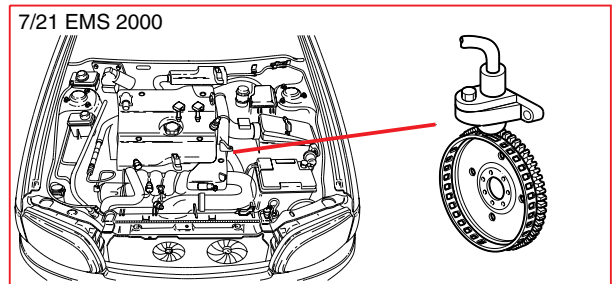
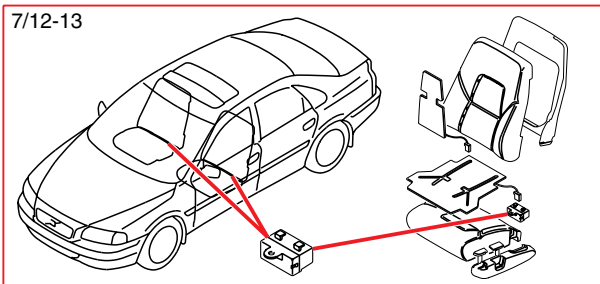
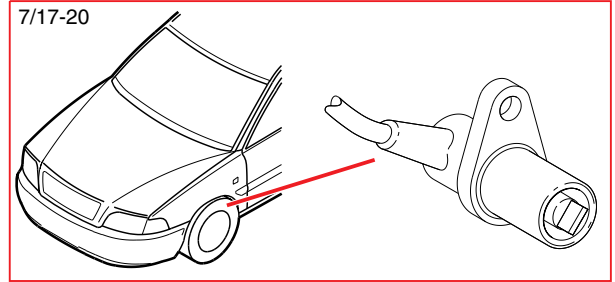
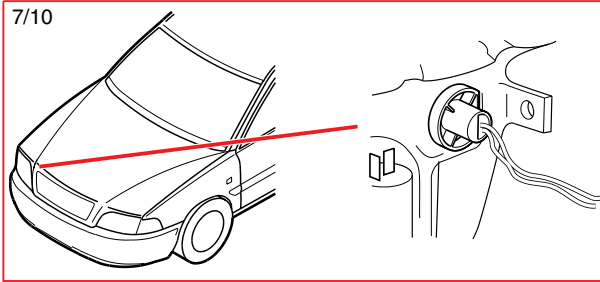
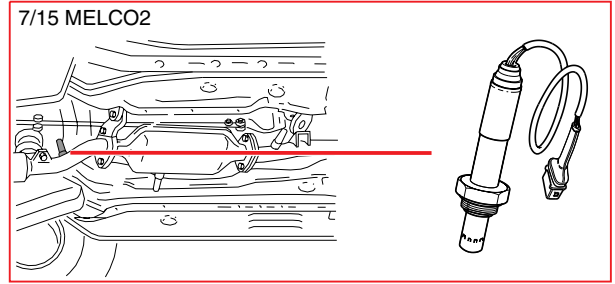
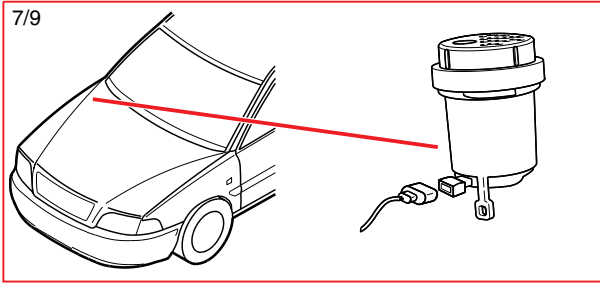
6/15 - 6/45





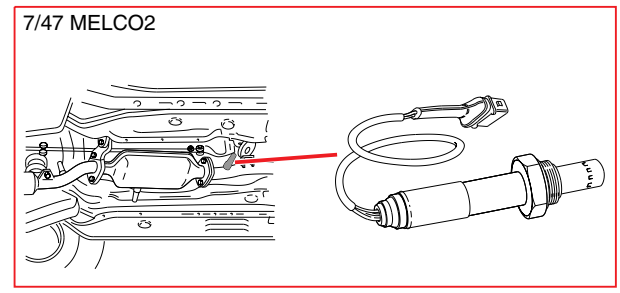
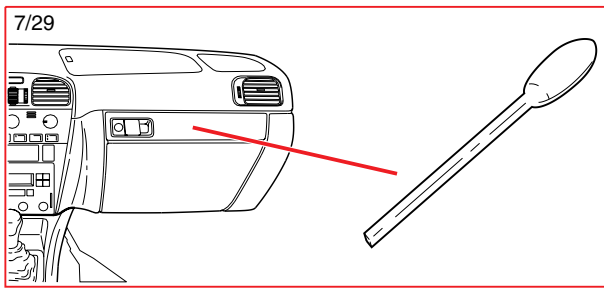
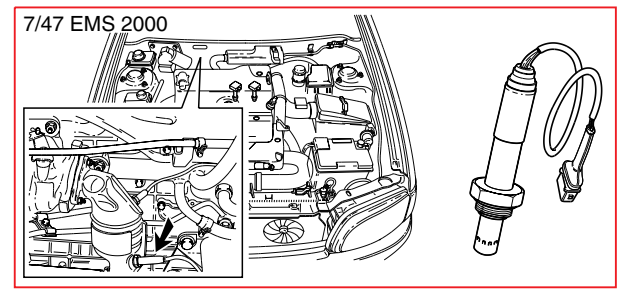
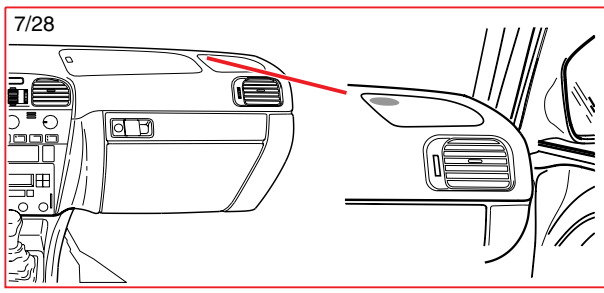
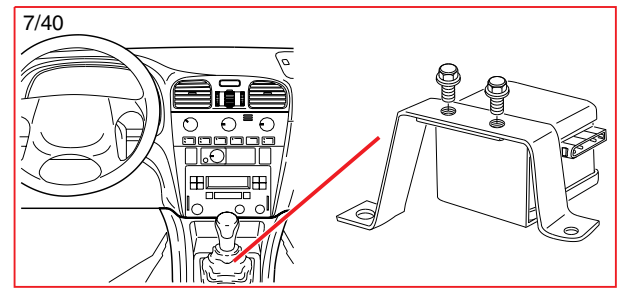
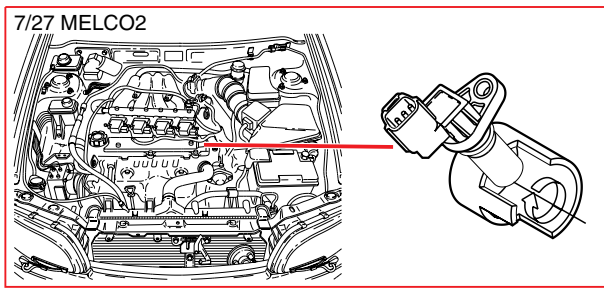
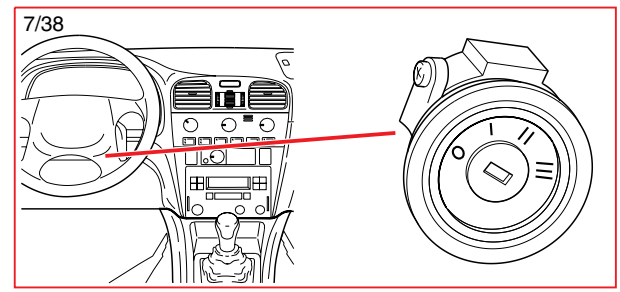
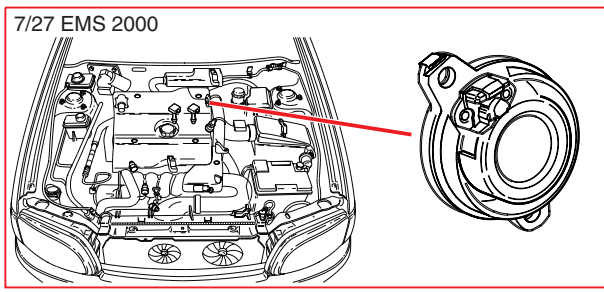
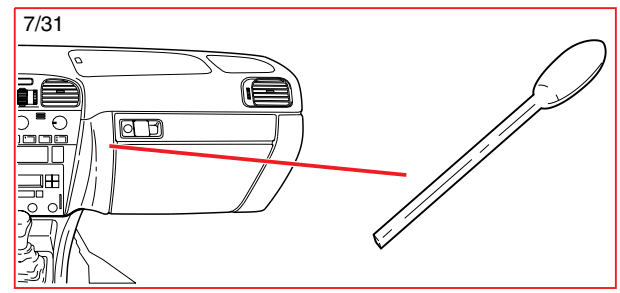
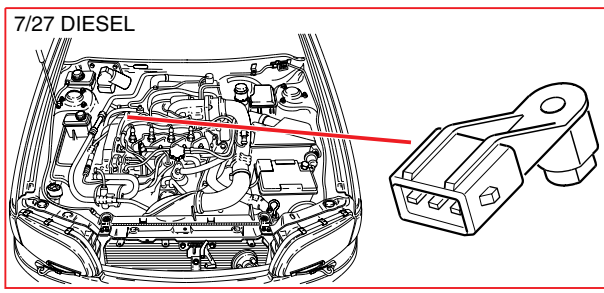
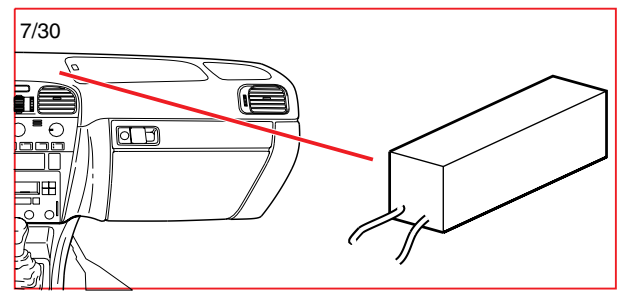
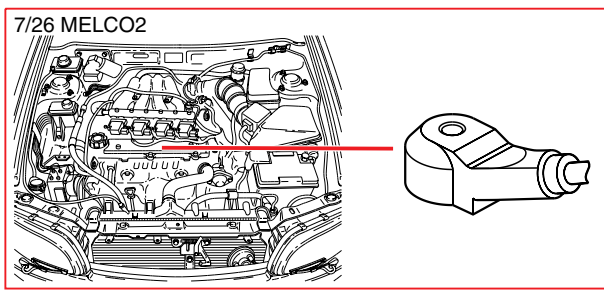
Component illustrations

7/9 - 7/26



Component illustrations

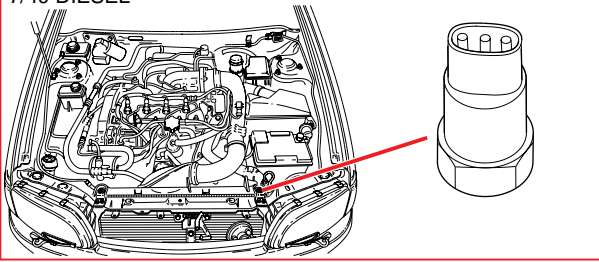
7/26 - 7/47



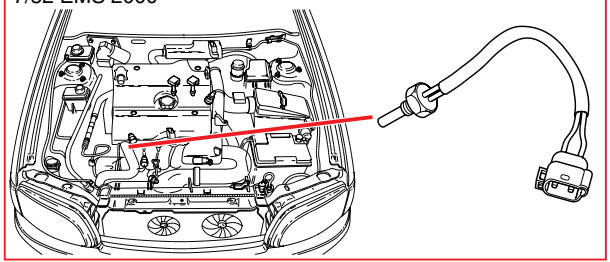
Component illustrations

7/49 - 7/56

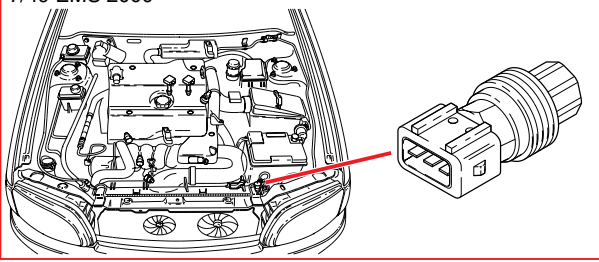
7/49 DIESEL



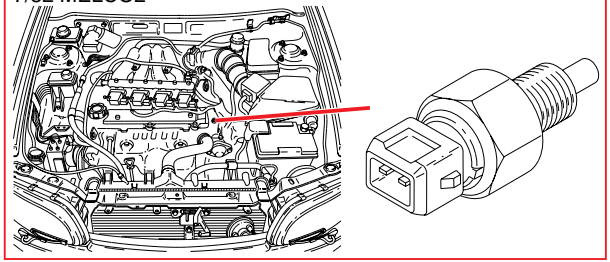
7/52 EMS 2000



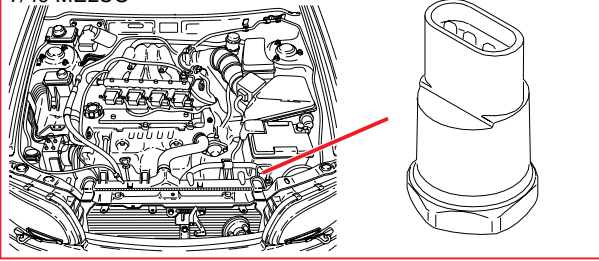
7/49 EMS 2000



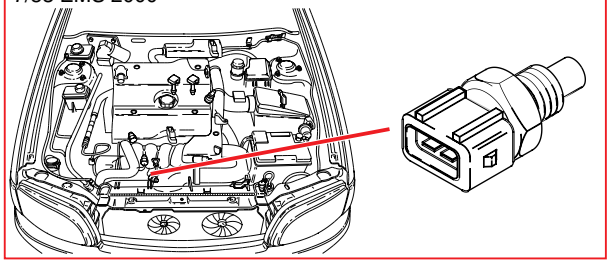
7/52 MELCO2



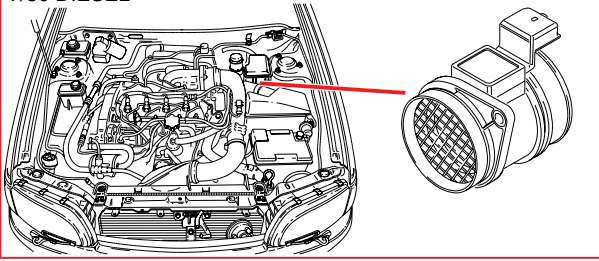
7/49 MELCO



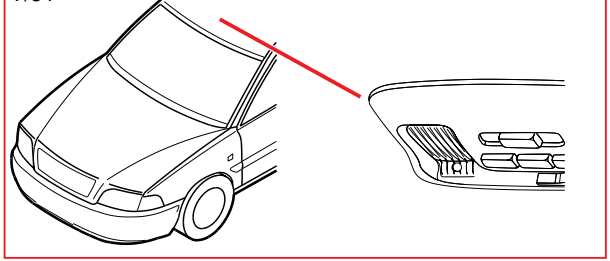
7/53 EMS 2000



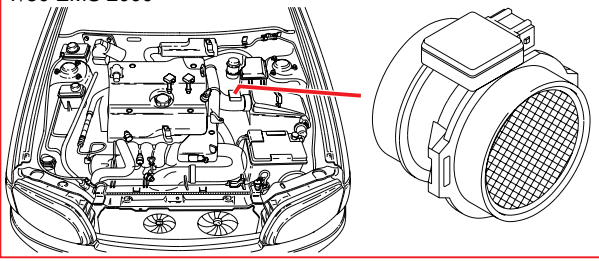
7/50 DIESEL



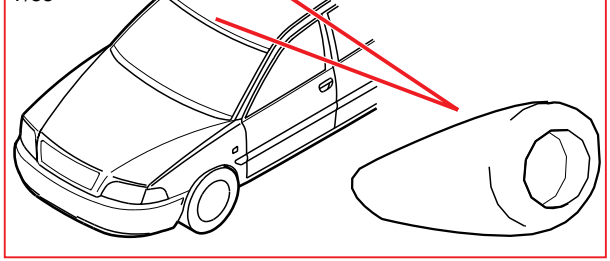
7/54



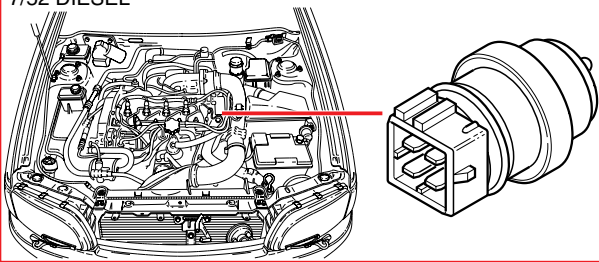
7/50 EMS 2000



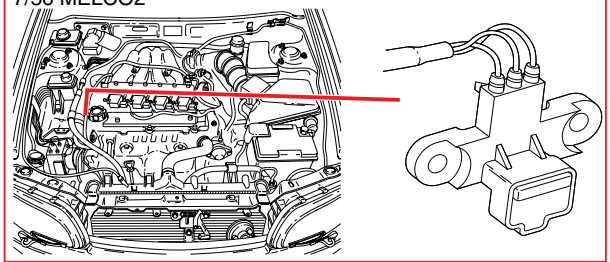
7/55



7/52 DIESEL

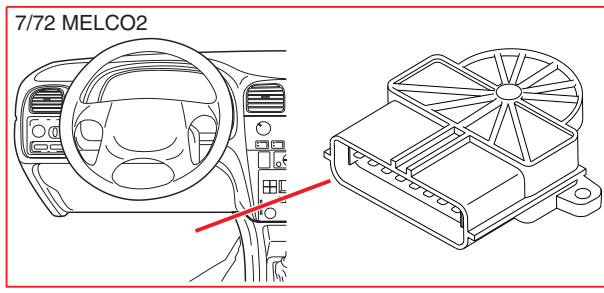
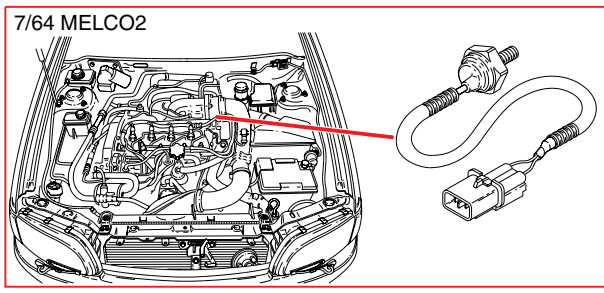
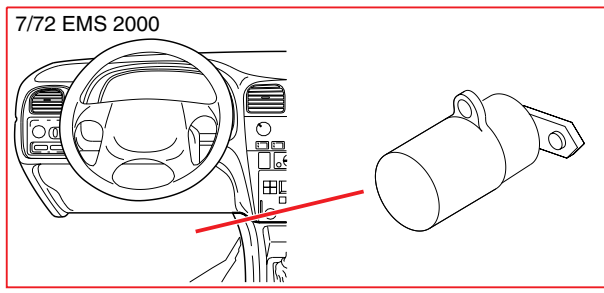
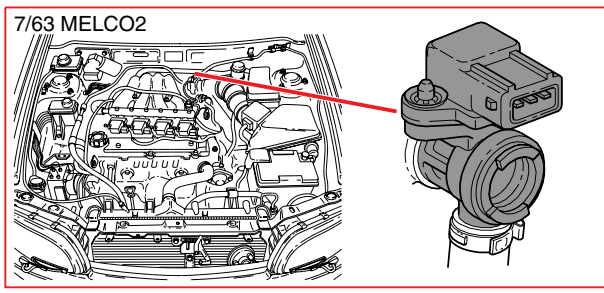
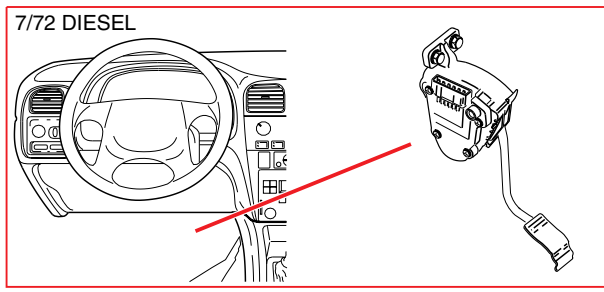
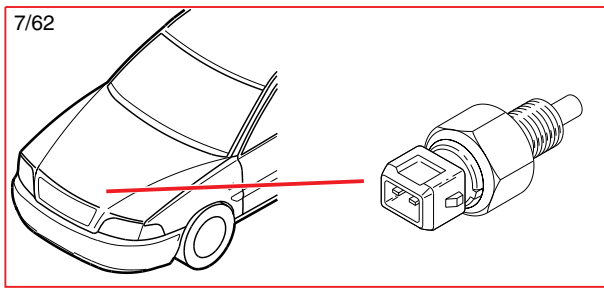
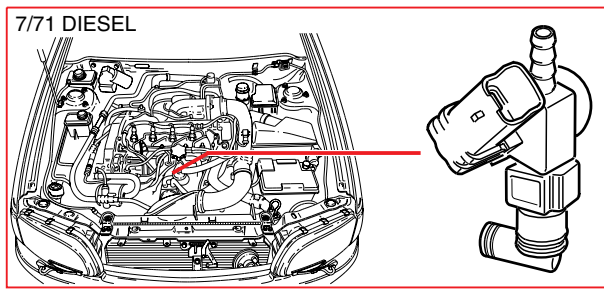
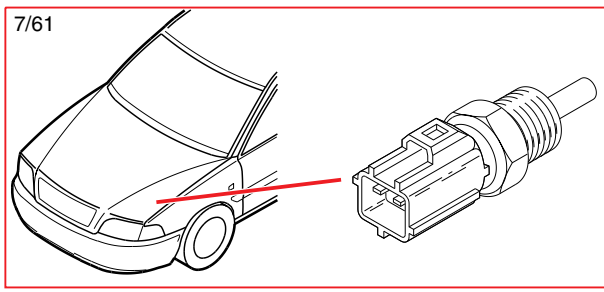
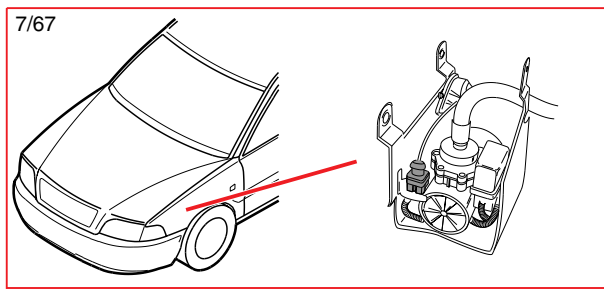
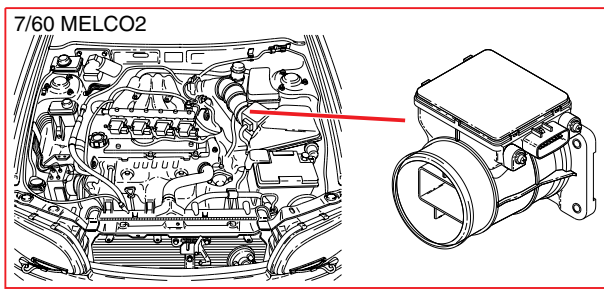
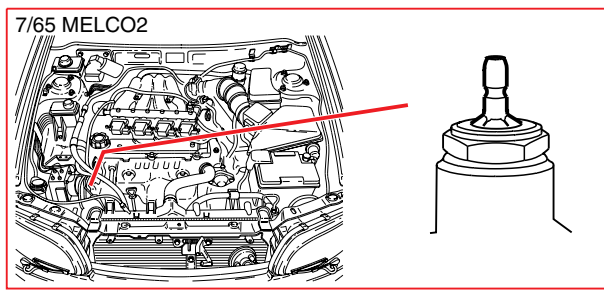
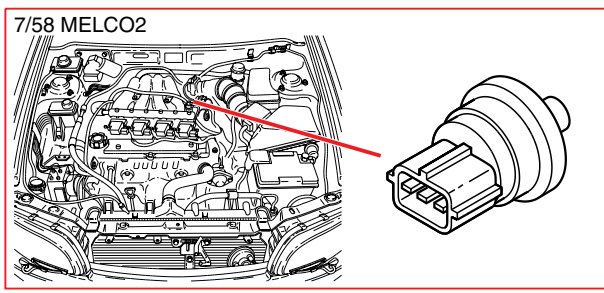


7/56 MELCO2



Component illustrations

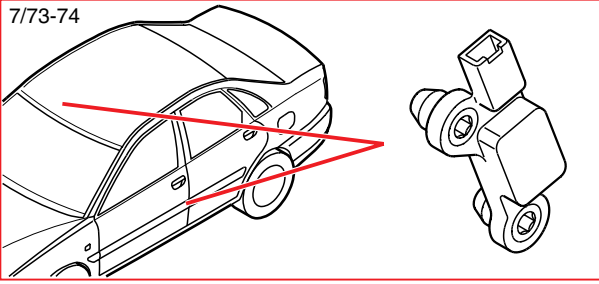
7/58 - 7/72



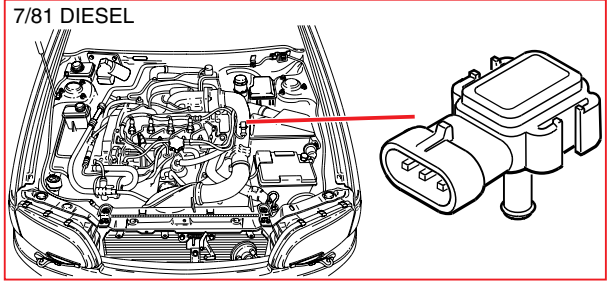
Component illustrations

7/73 - 8/2

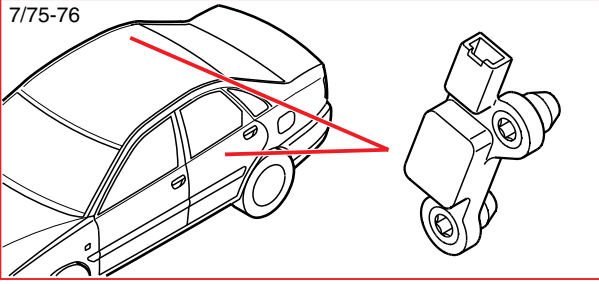
7/73-74



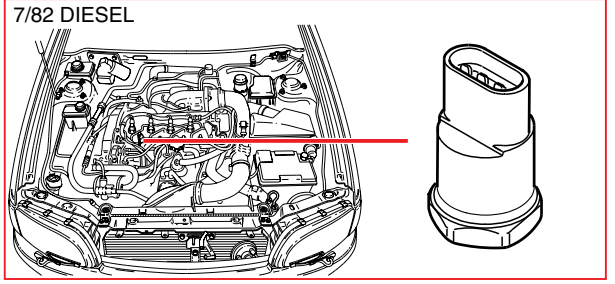
7/81 DIESEL



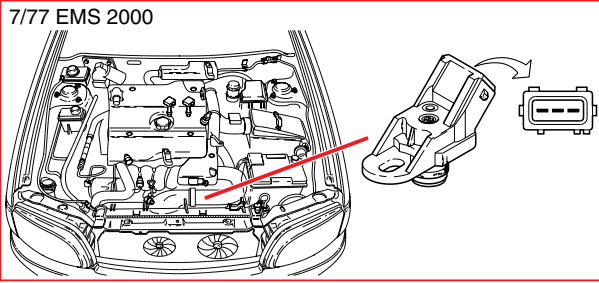
7/75-76



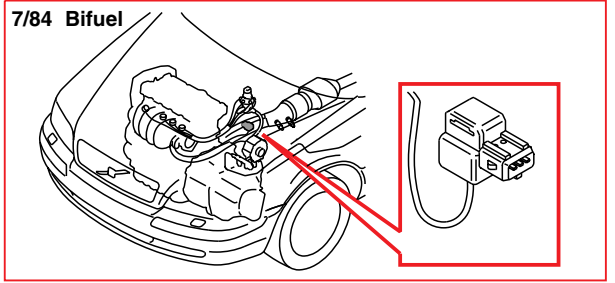
7/82 DIESEL



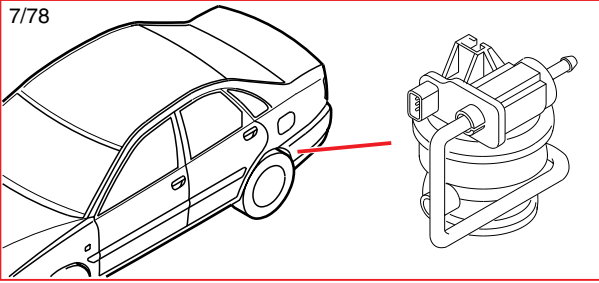
7/77 EMS 2000



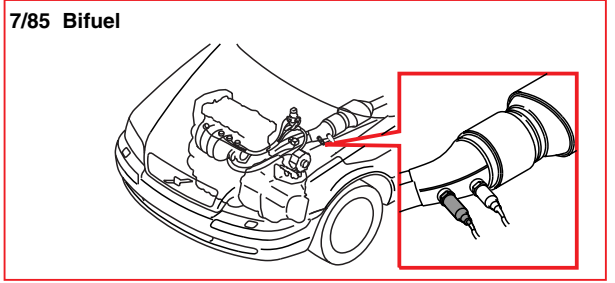
7/84 Bifuel



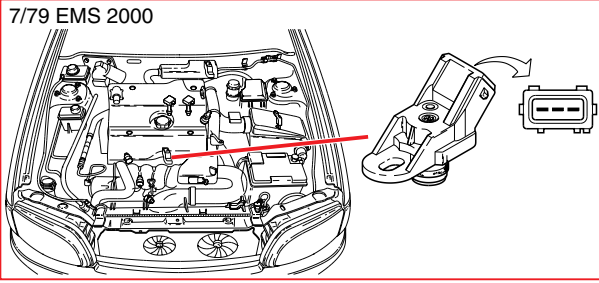
7/78



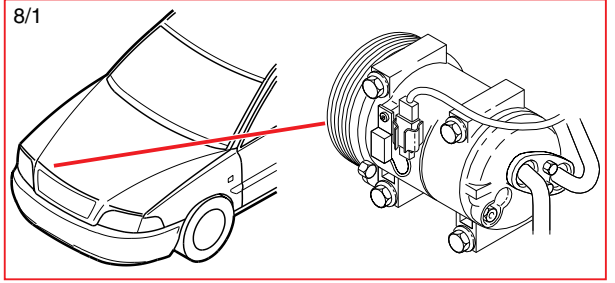
7/85 Bifuel



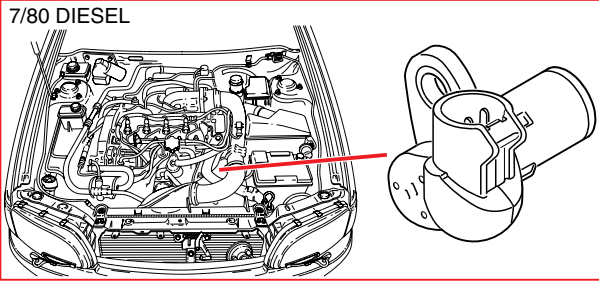
7/79 EMS 2000



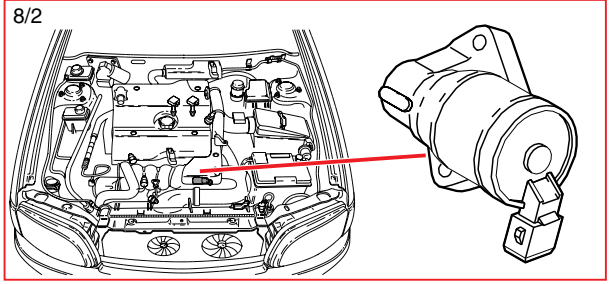
8/1

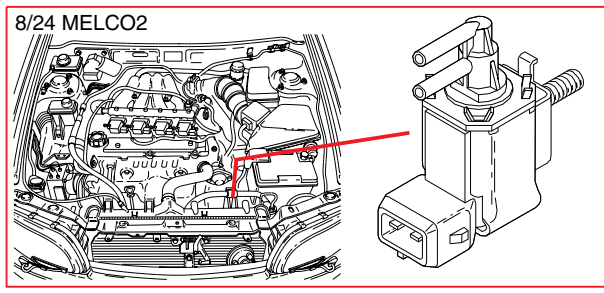
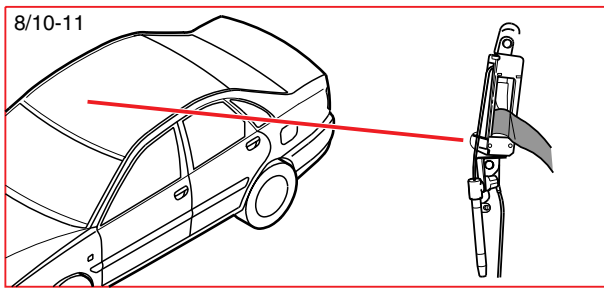
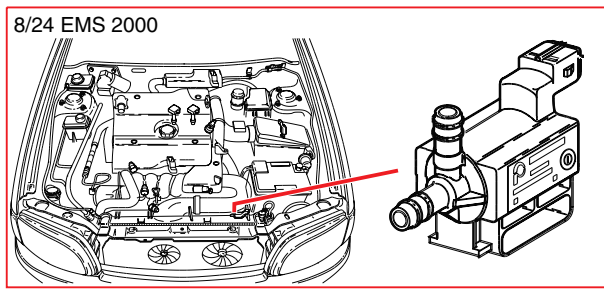
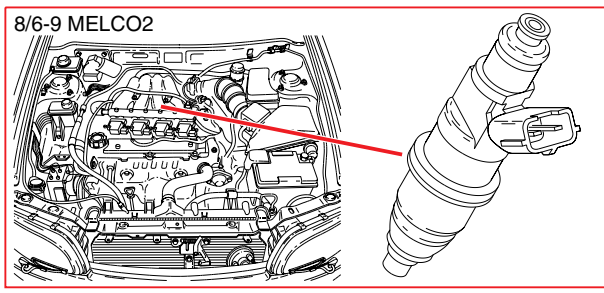
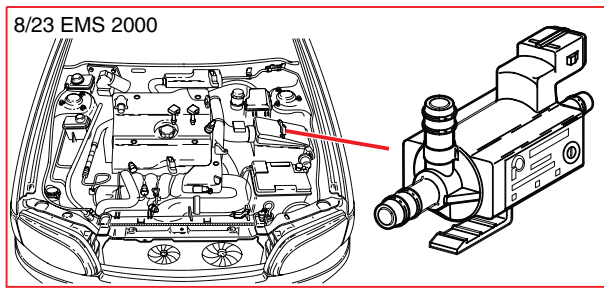
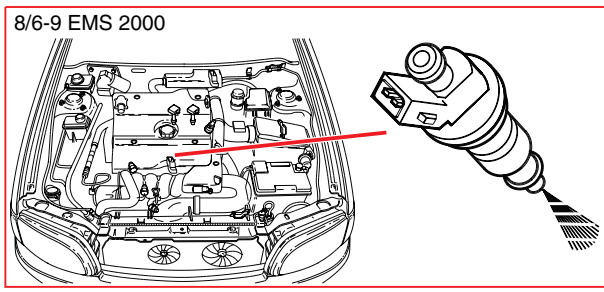
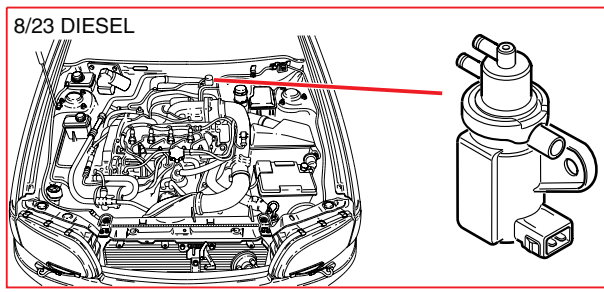
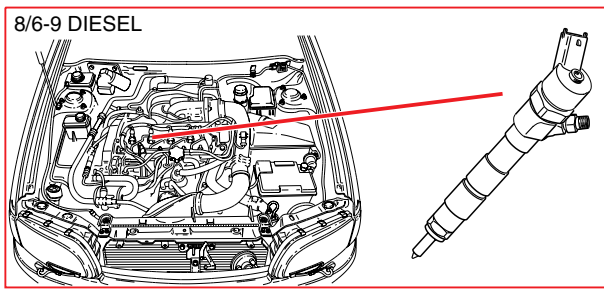
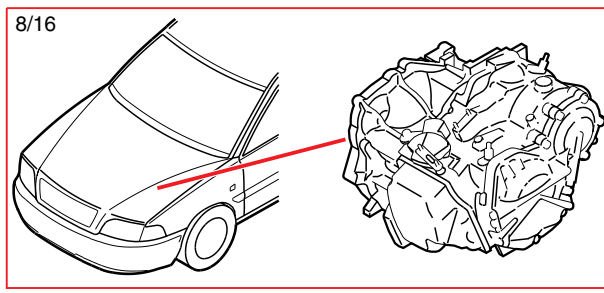
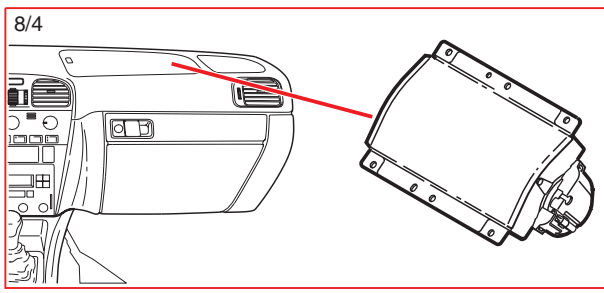
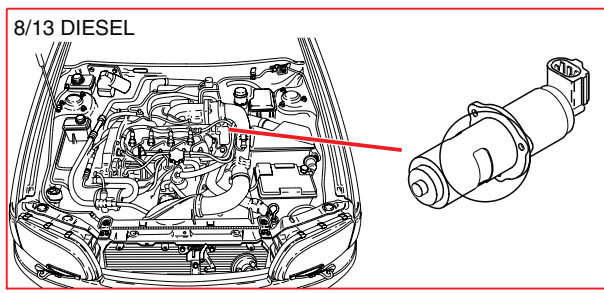
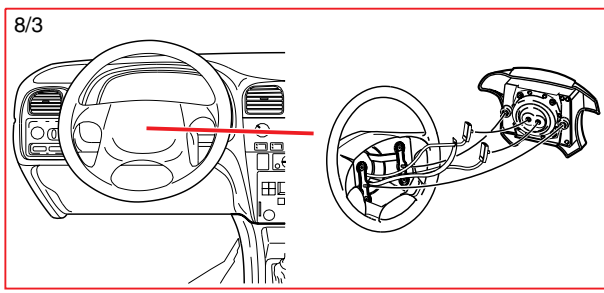


7/80 DIESEL



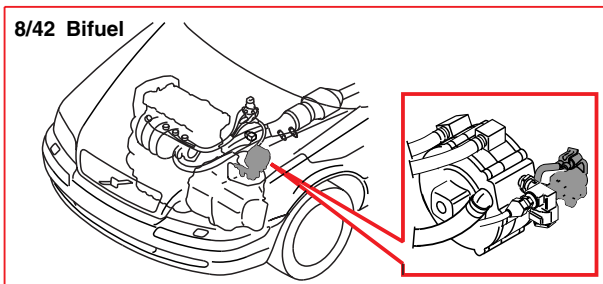
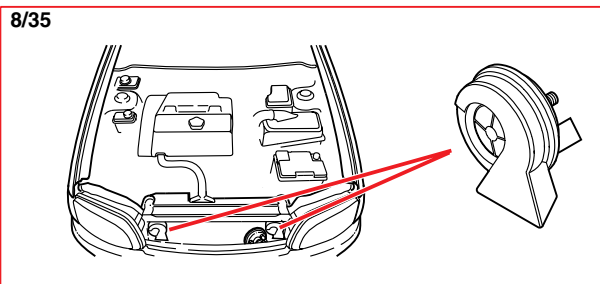
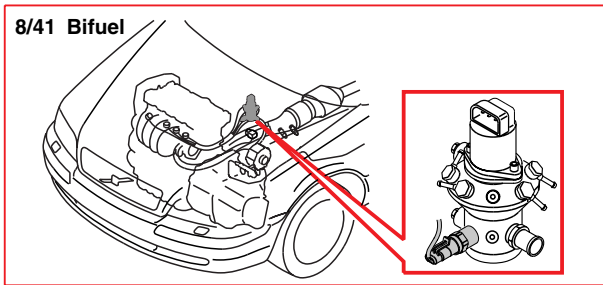
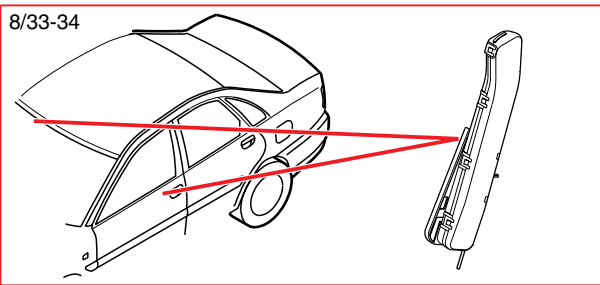
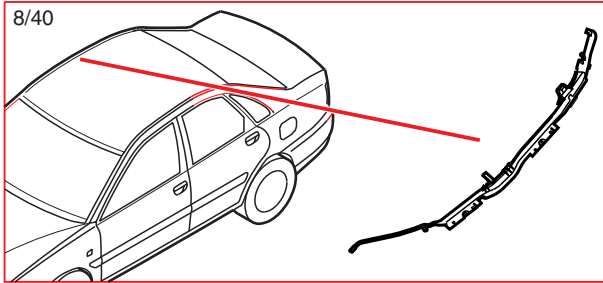
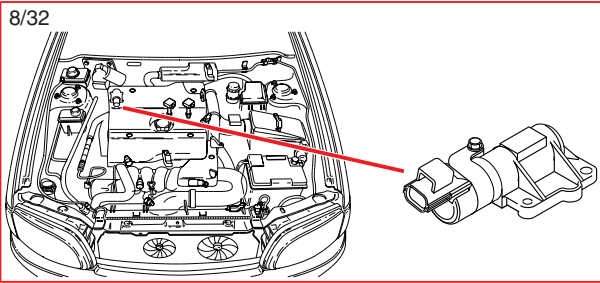
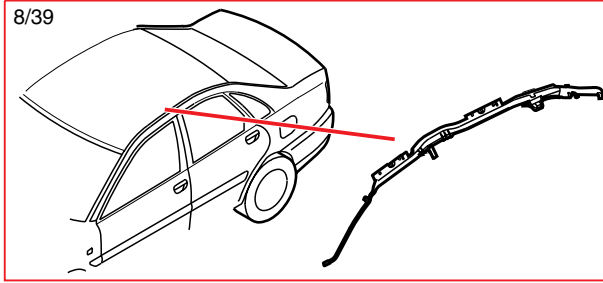
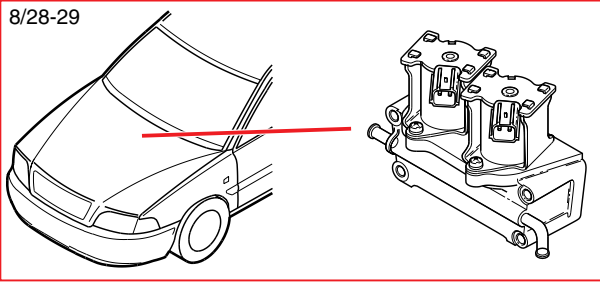
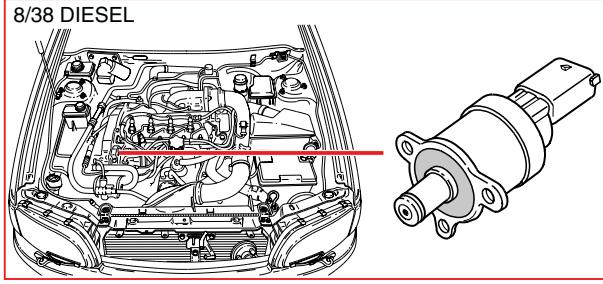
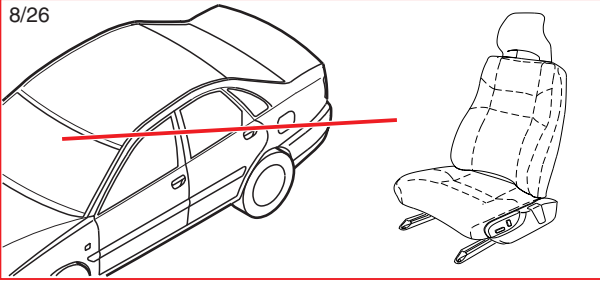
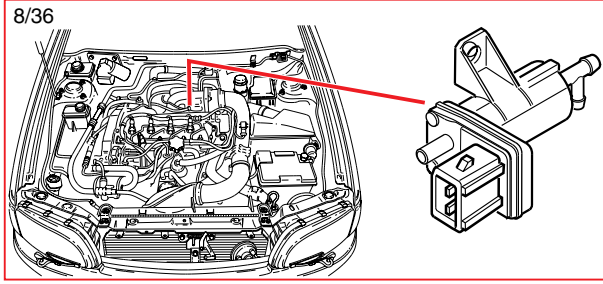
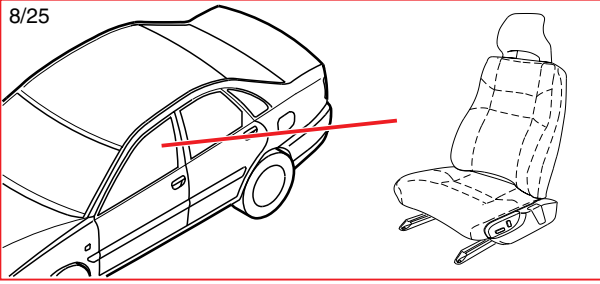
8/2



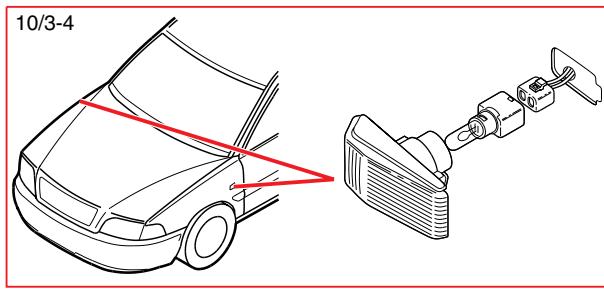
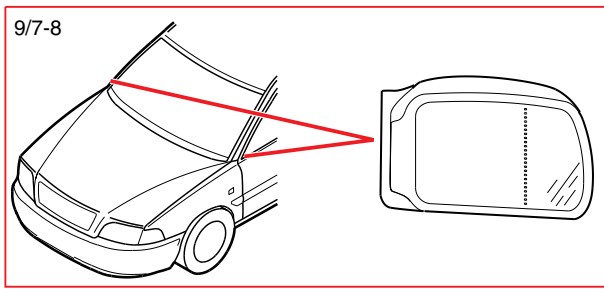
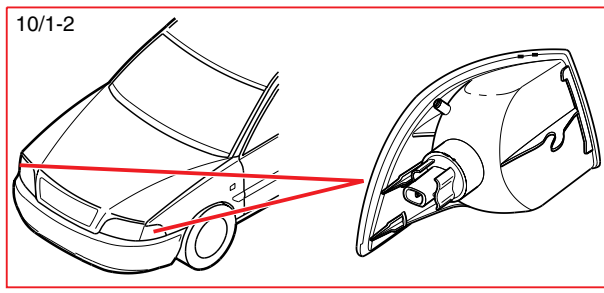
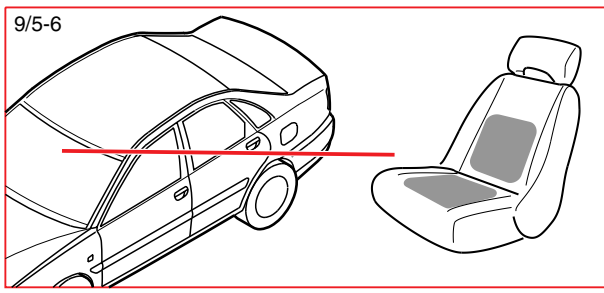
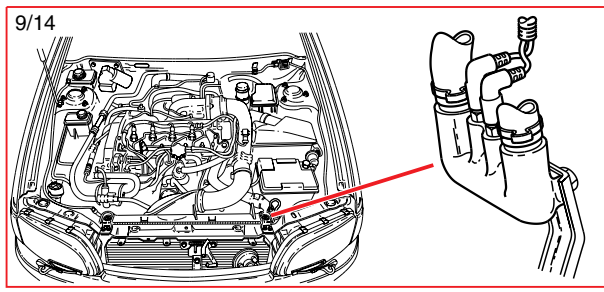
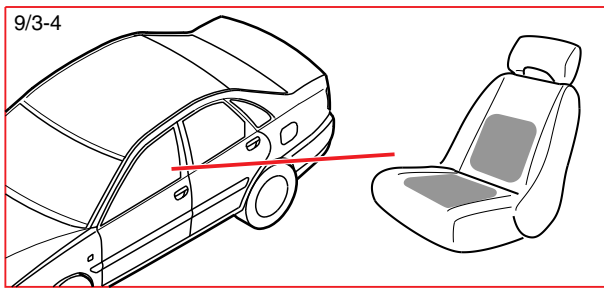
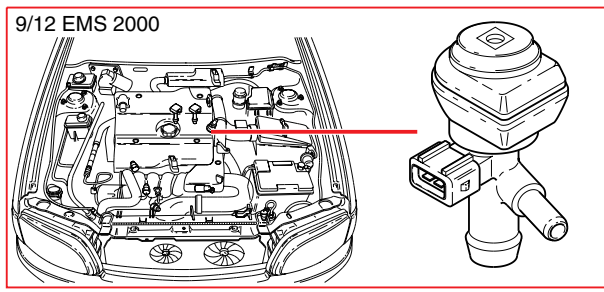
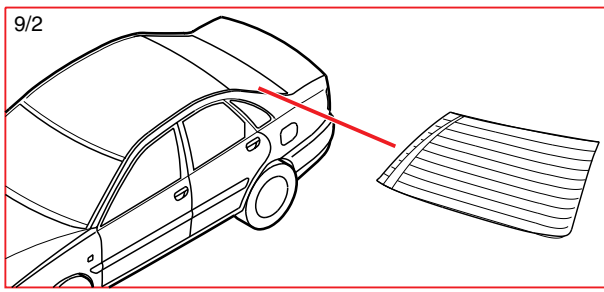
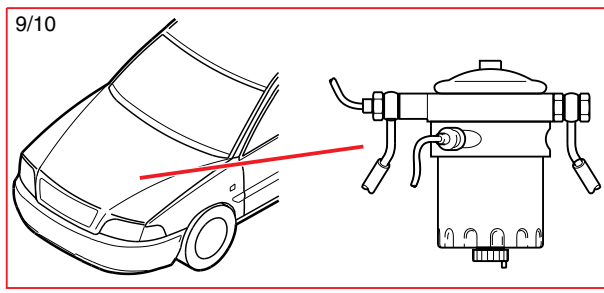
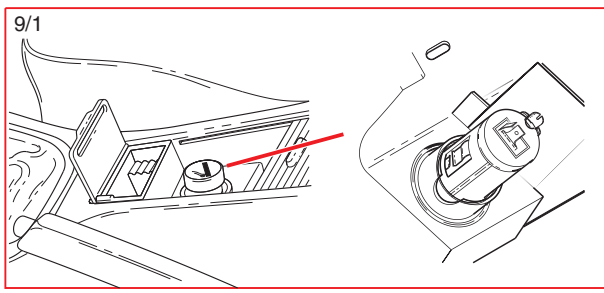
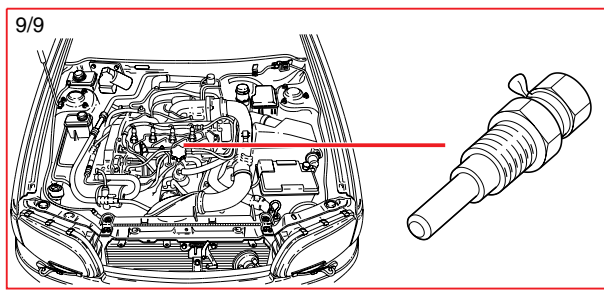
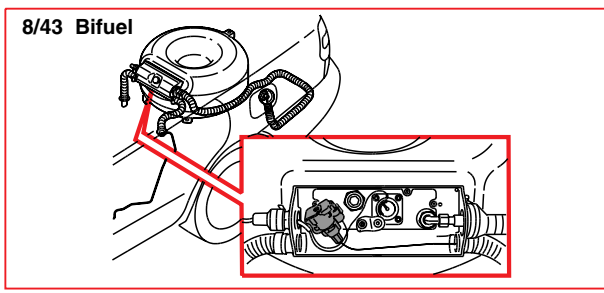


Component illustrations

8/25 - 8/42

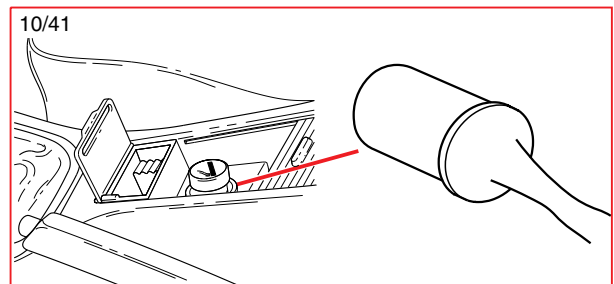
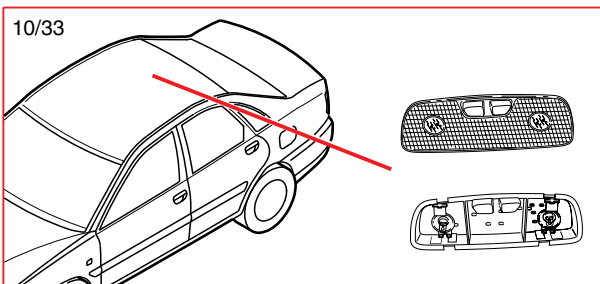
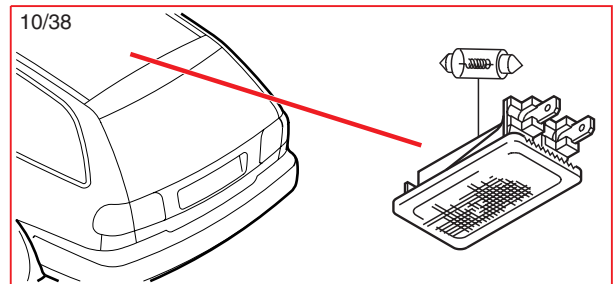
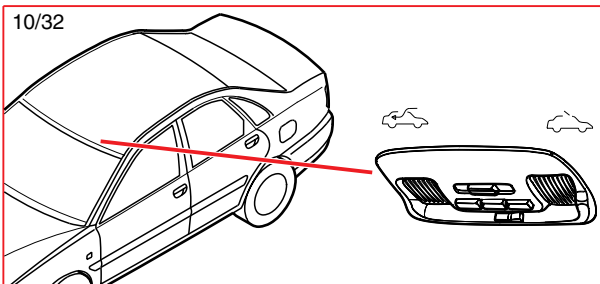
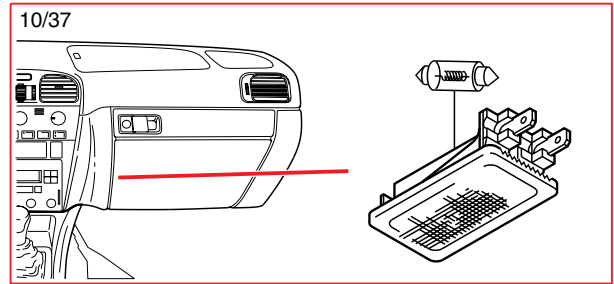
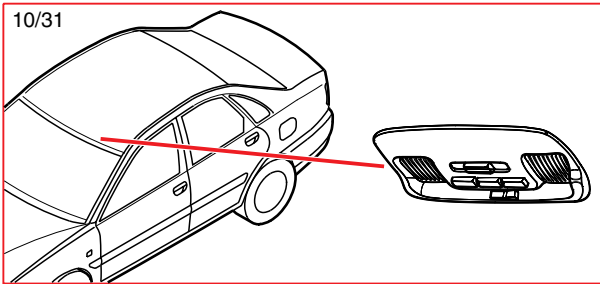
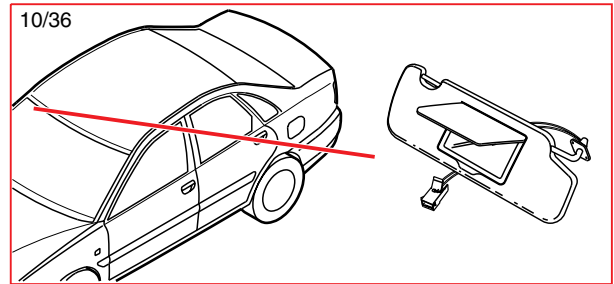
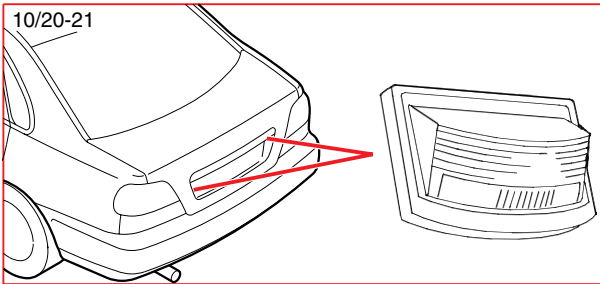
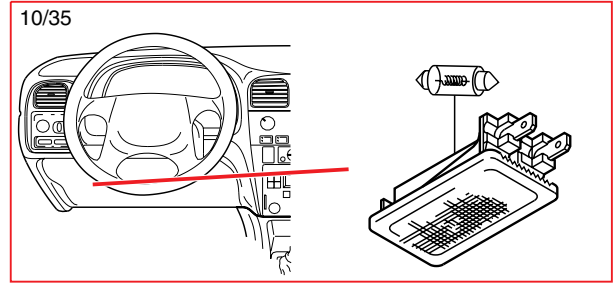
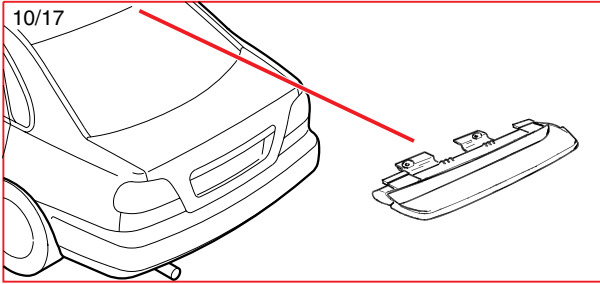
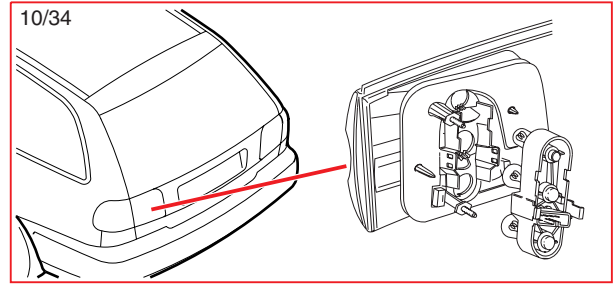
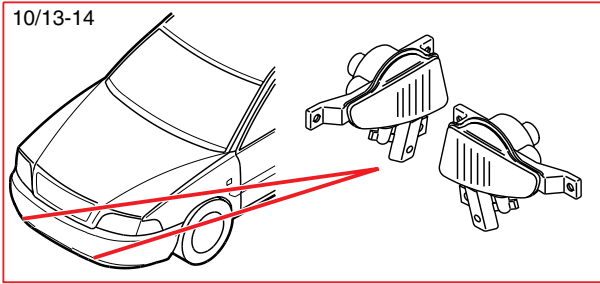


Component illustrations
8/43 - 10/4



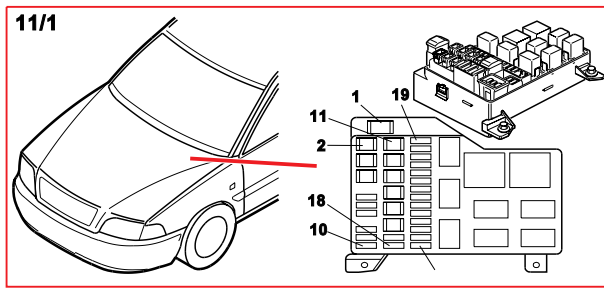
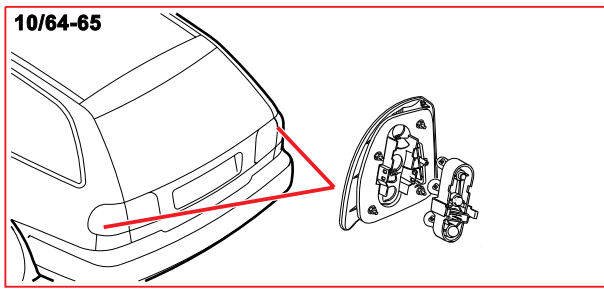
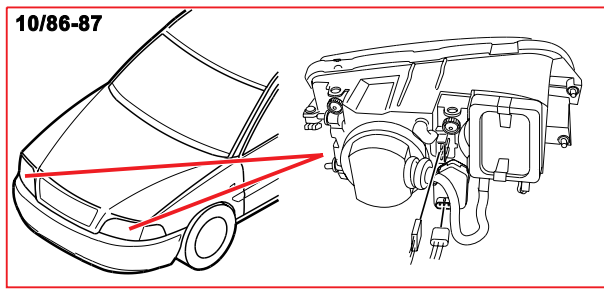
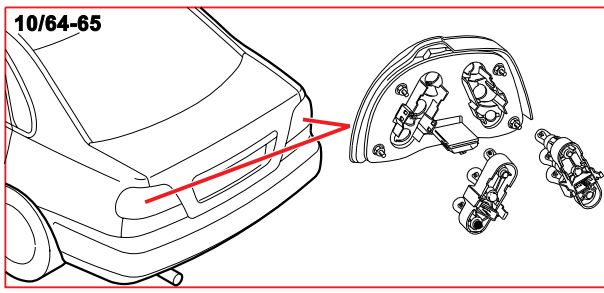
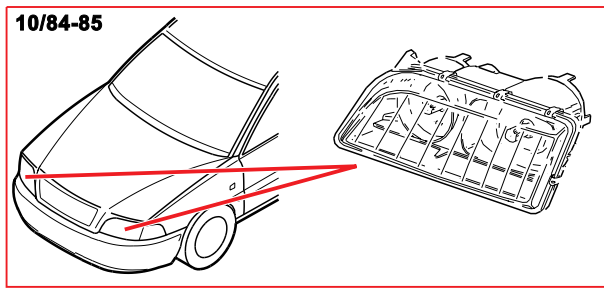
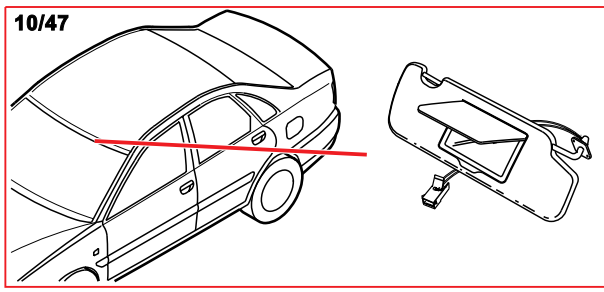
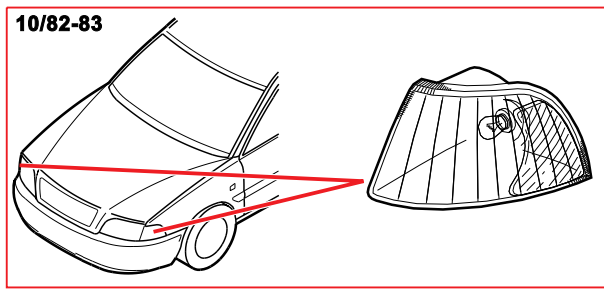
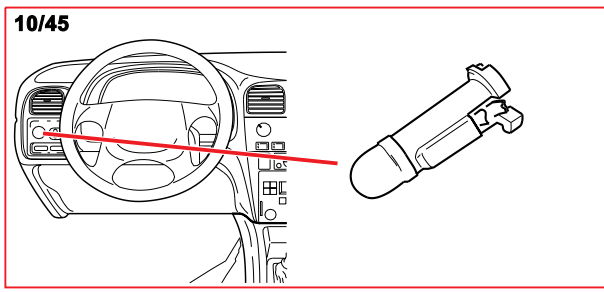
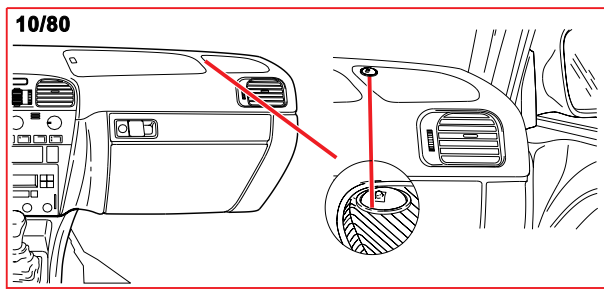
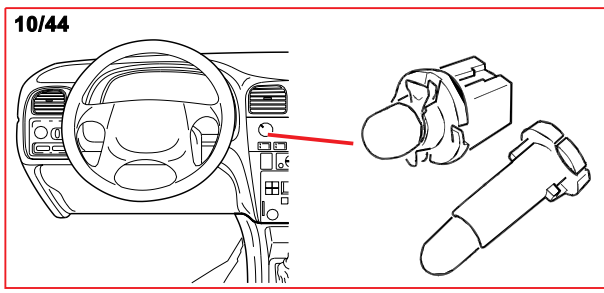
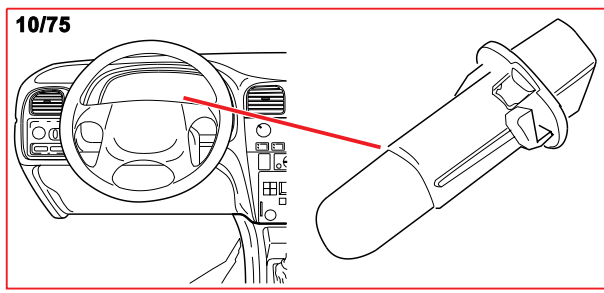
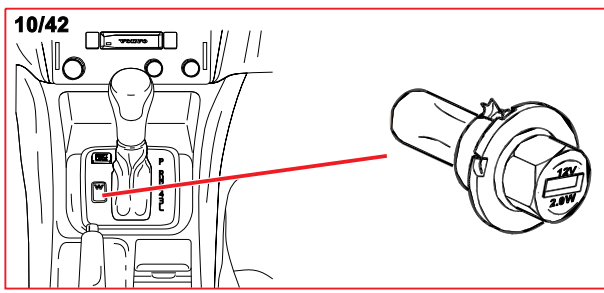
Component illustrations

10/13 - 10/41



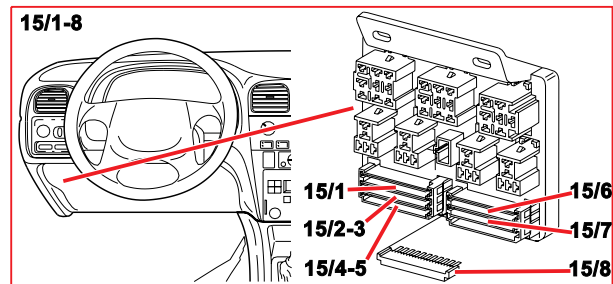
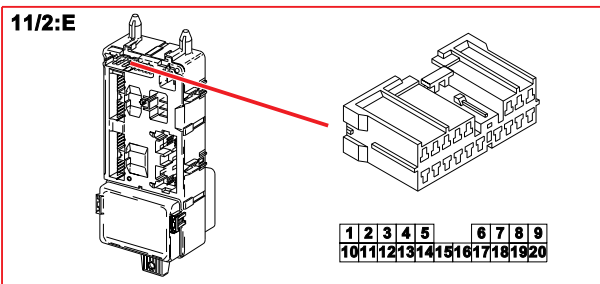
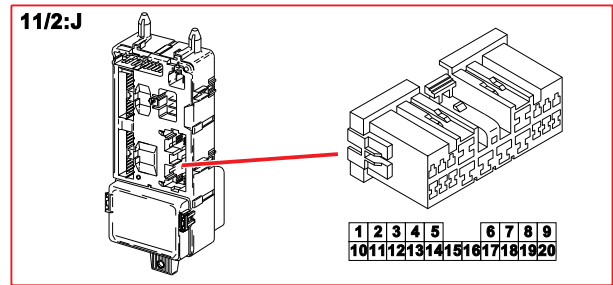
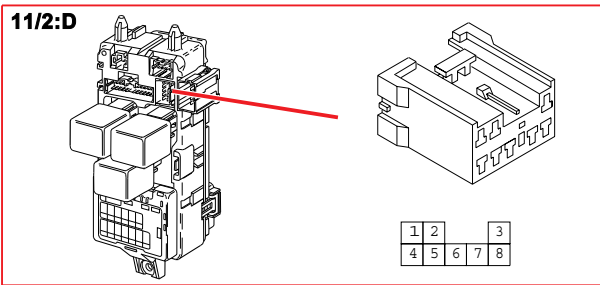
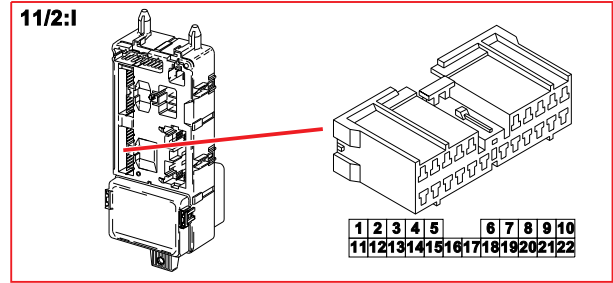
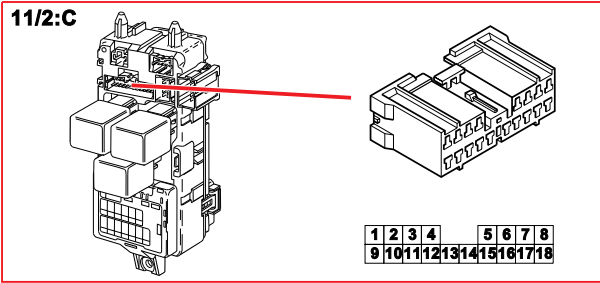
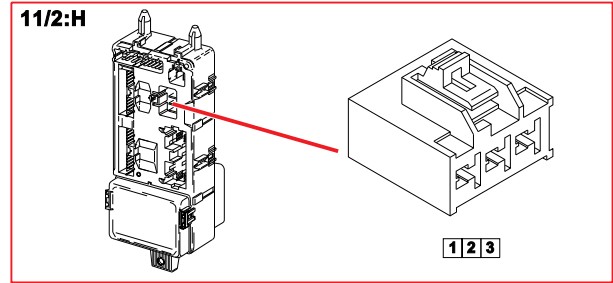
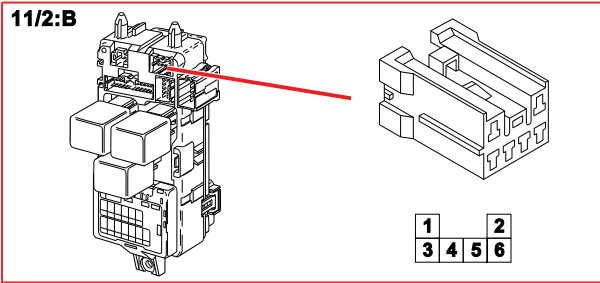
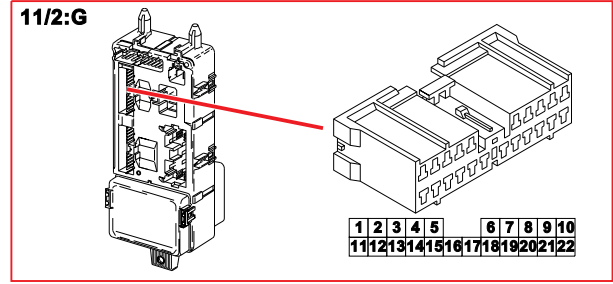
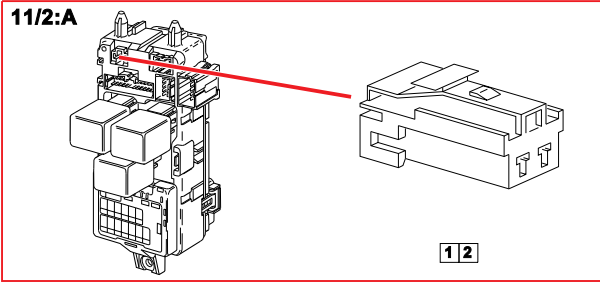
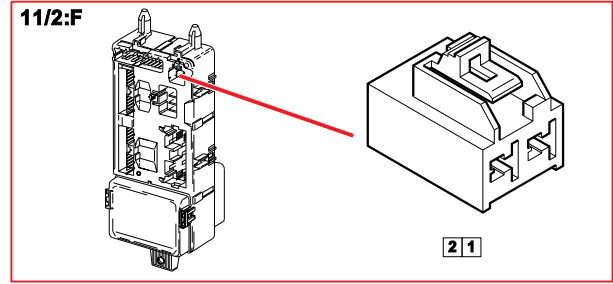
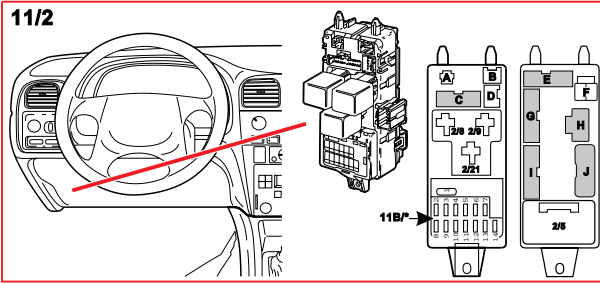
Component illustrations

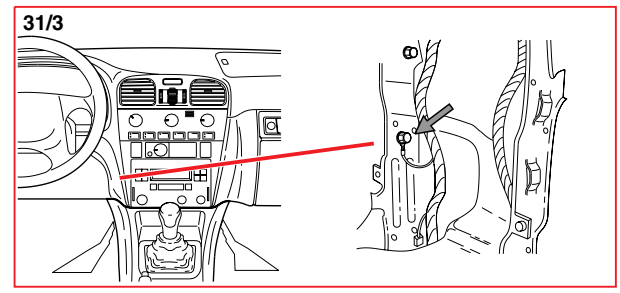
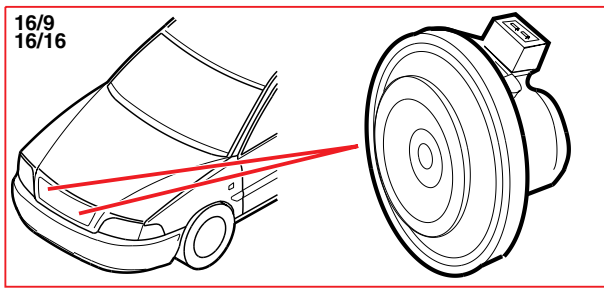
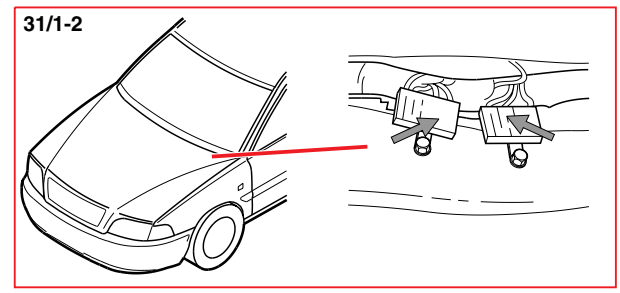
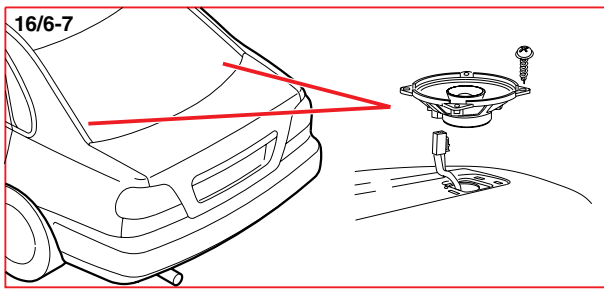
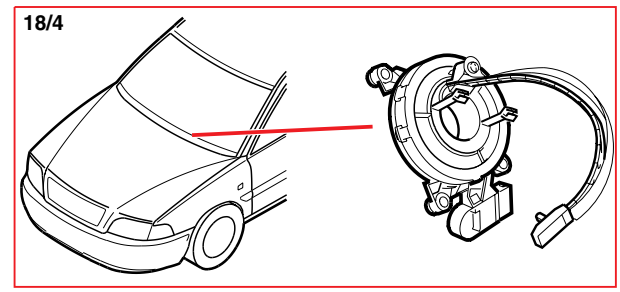
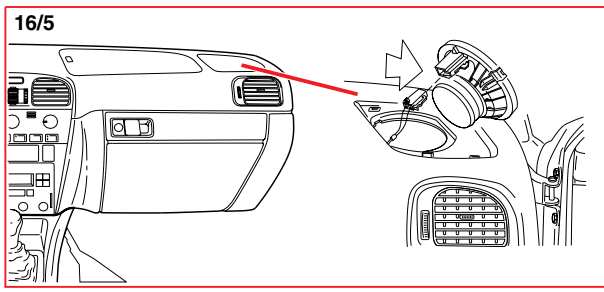
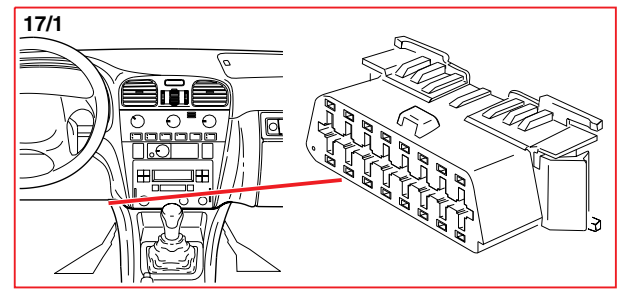
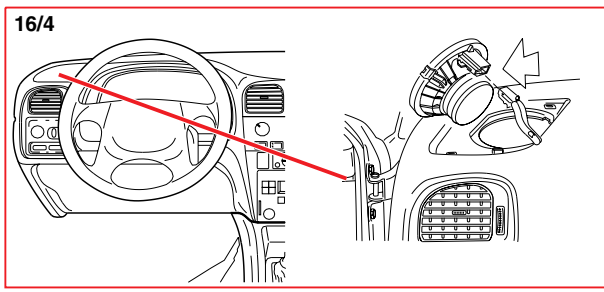
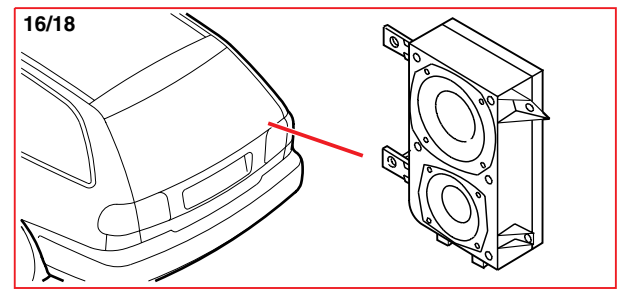
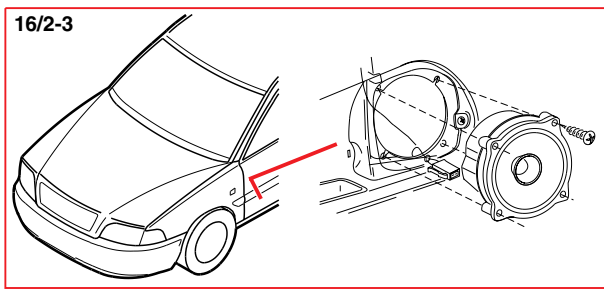
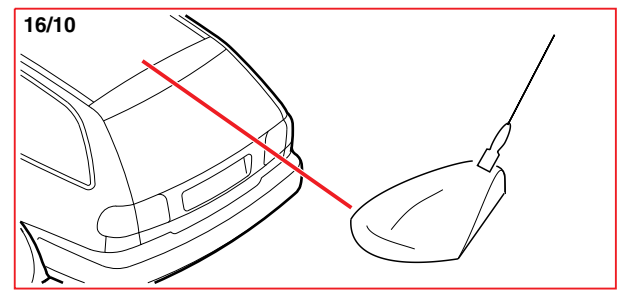
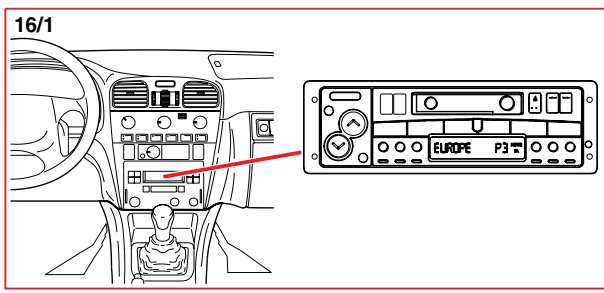
10/42 - 11/1



Component illustrations

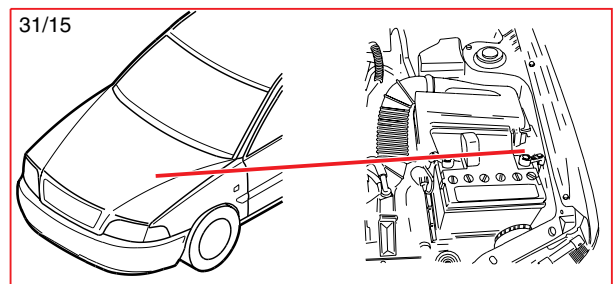
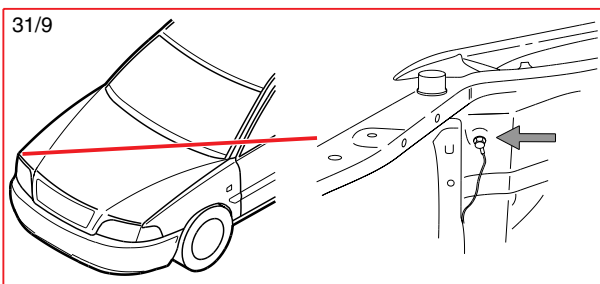
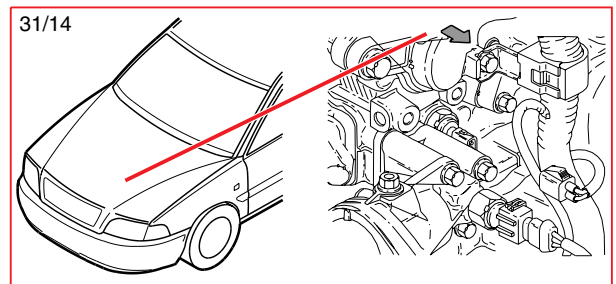
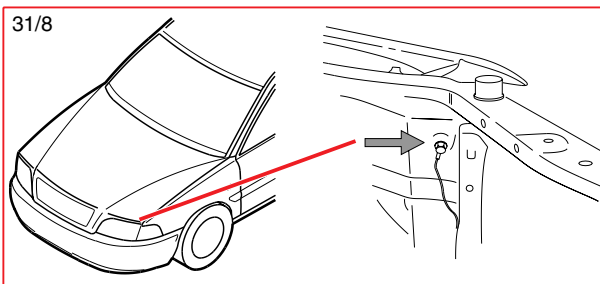
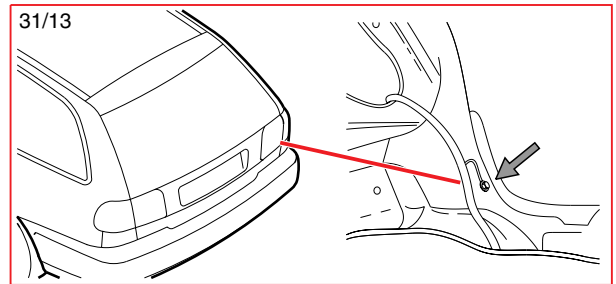
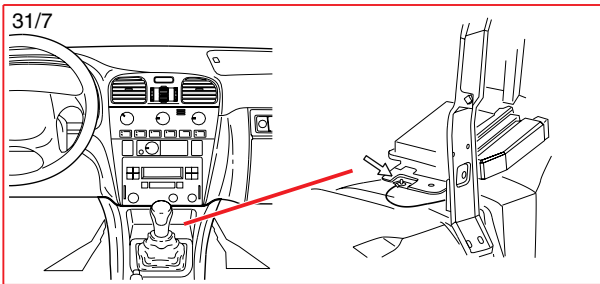
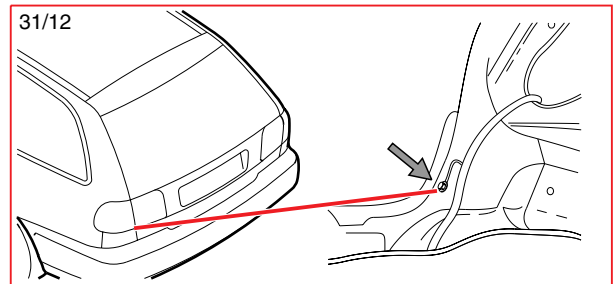
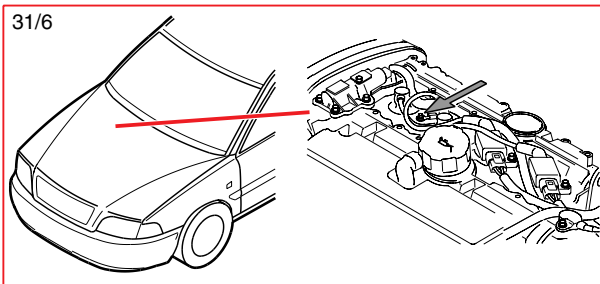
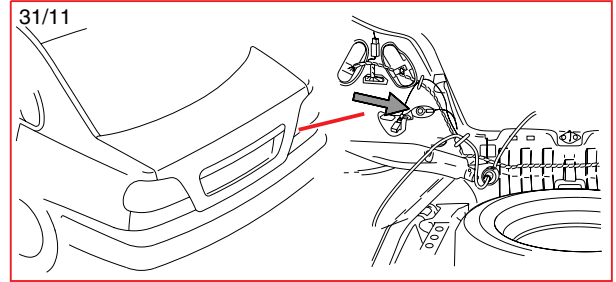
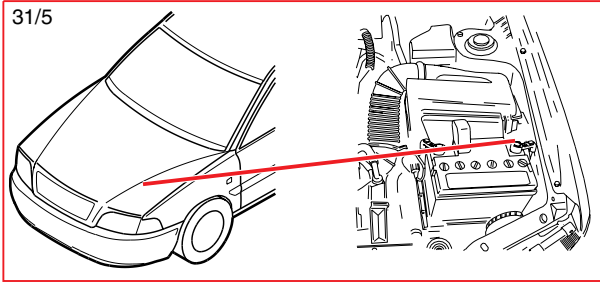
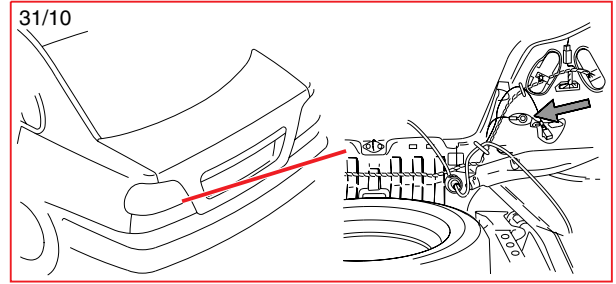
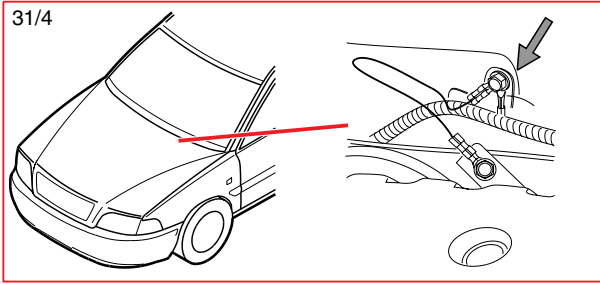
11/2 - 15/8





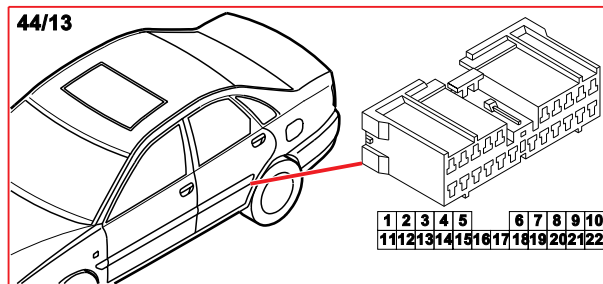
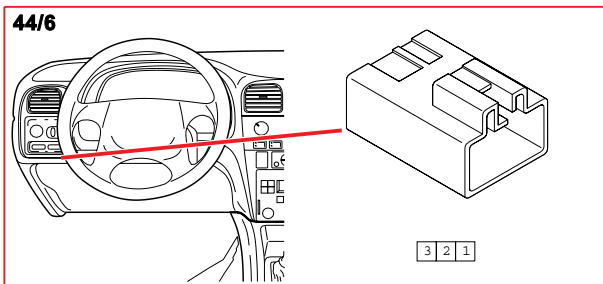
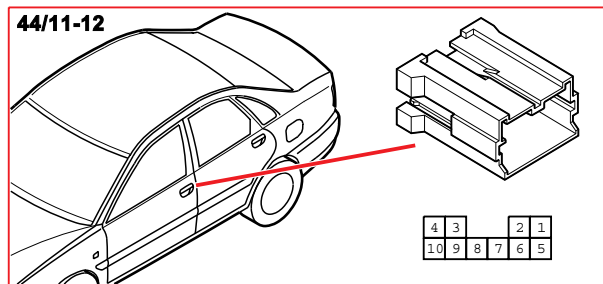
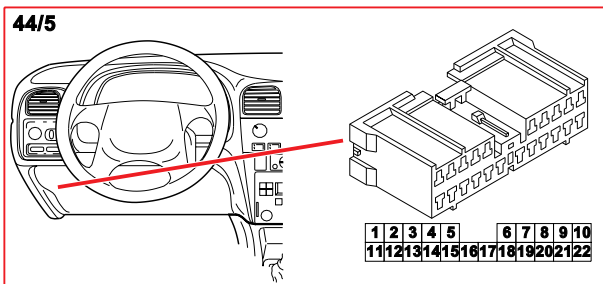
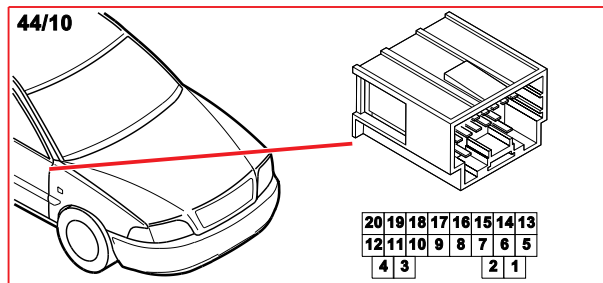
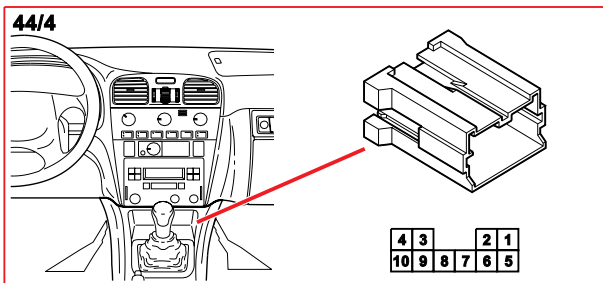
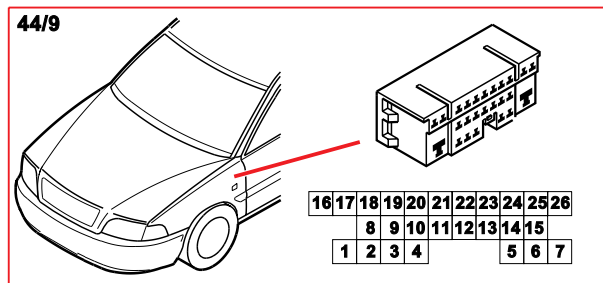
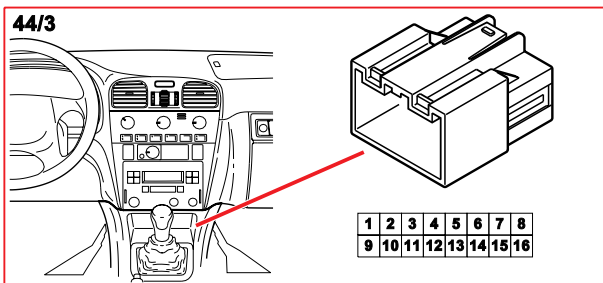
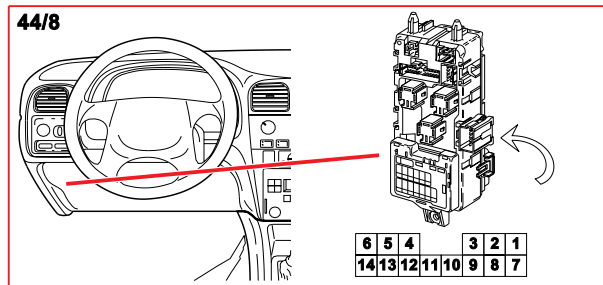
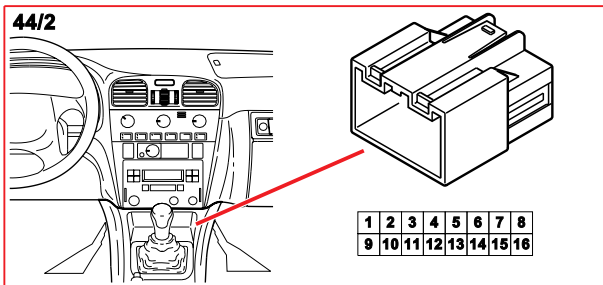
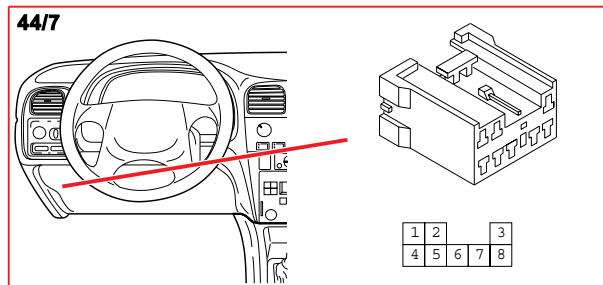
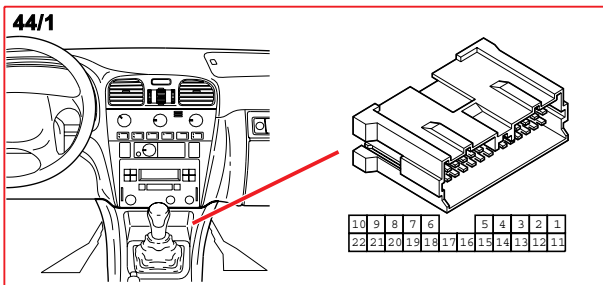
Component illustrations

31/4 - 31/15



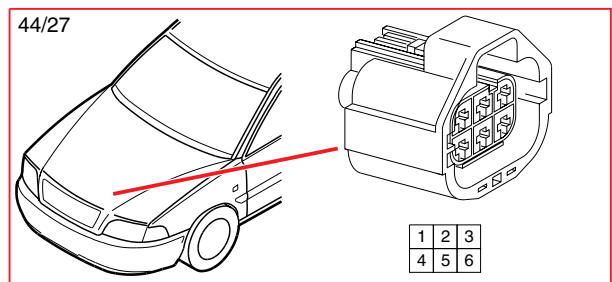
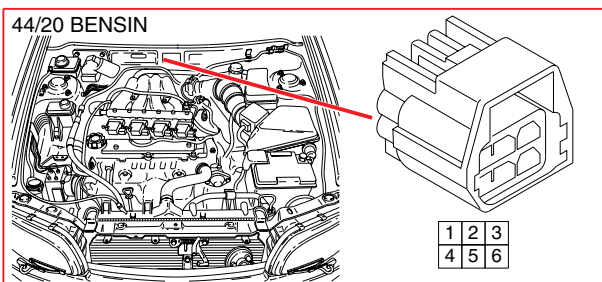
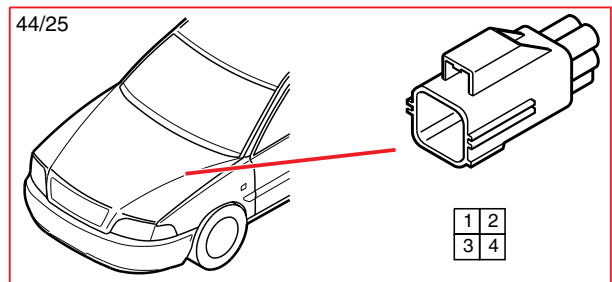
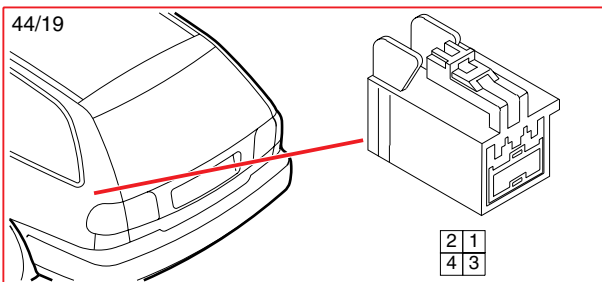
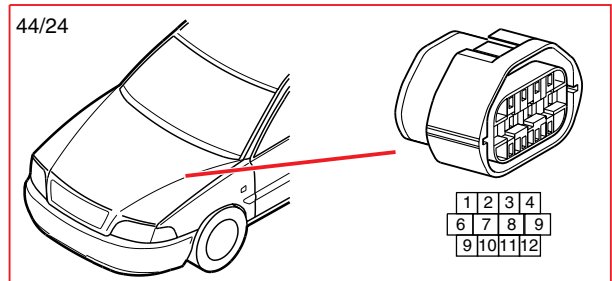
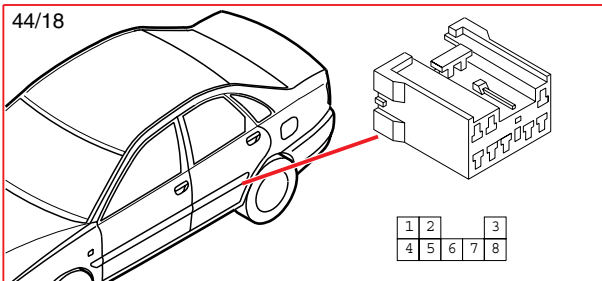
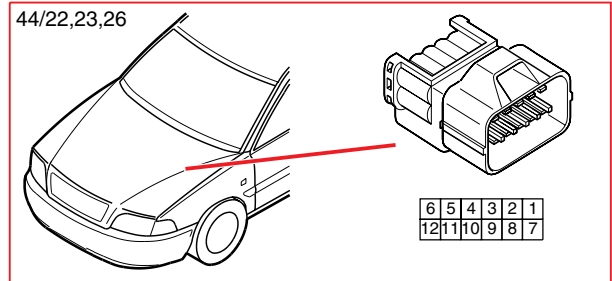
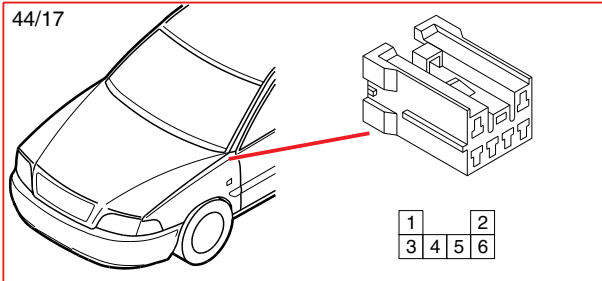
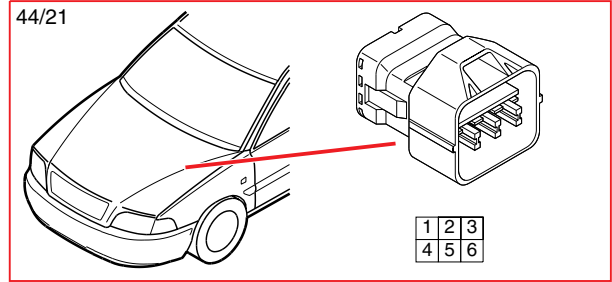
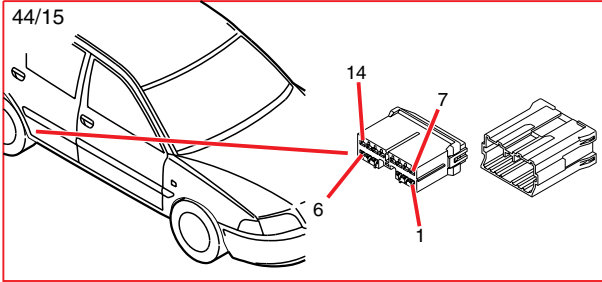
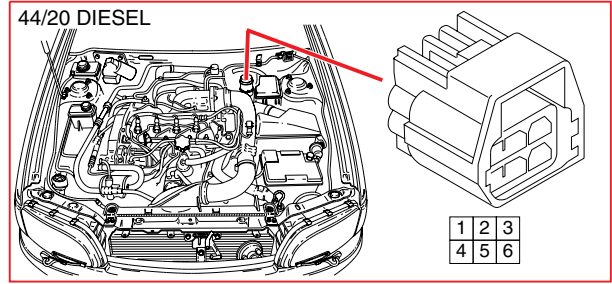
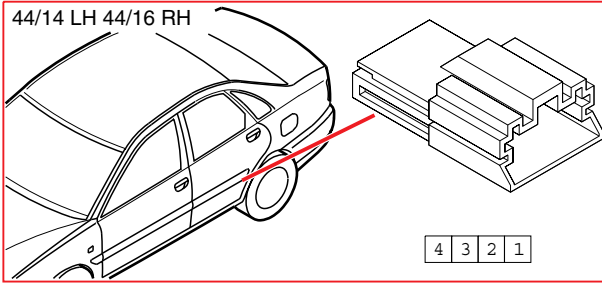
Component illustrations

44/1 - 44/13



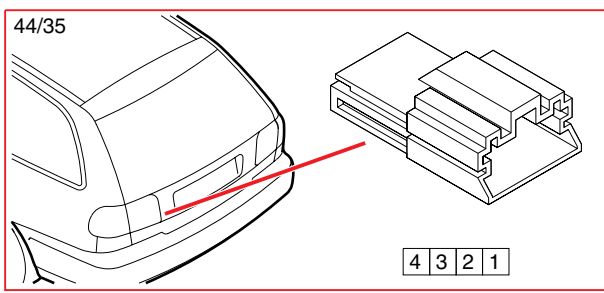
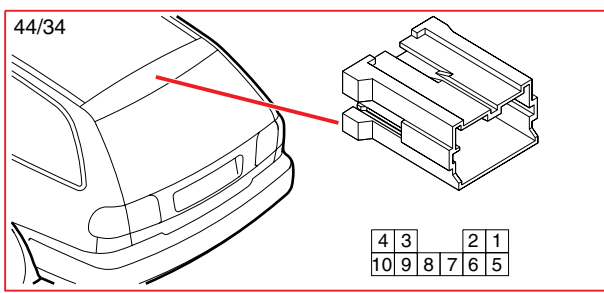
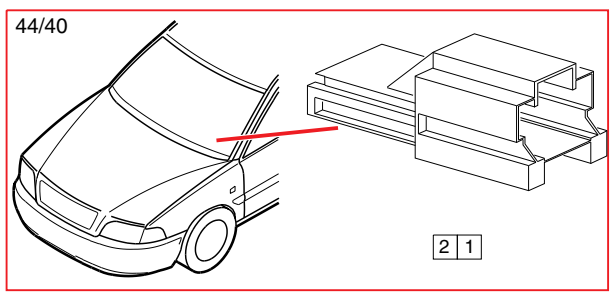
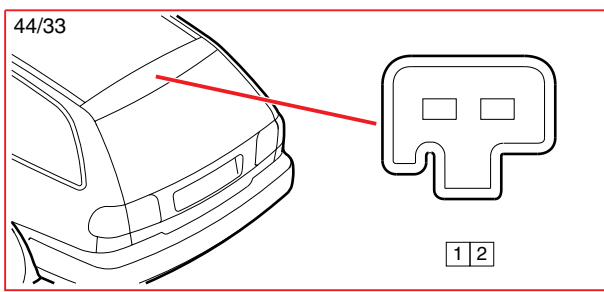
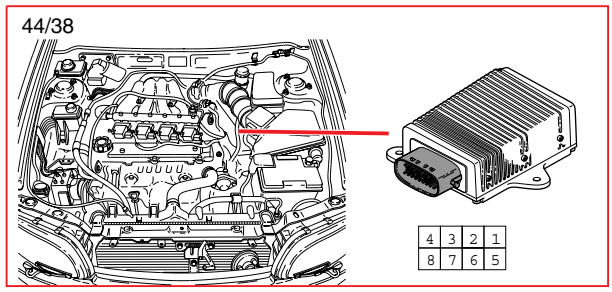
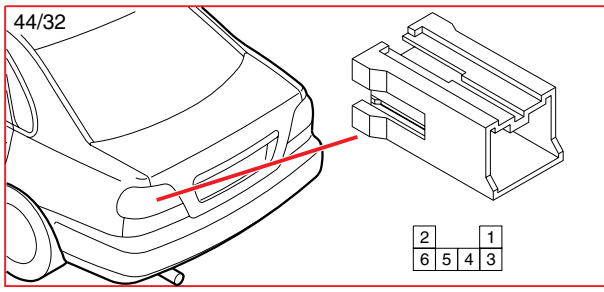
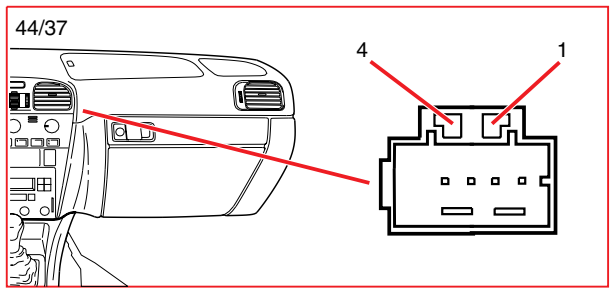
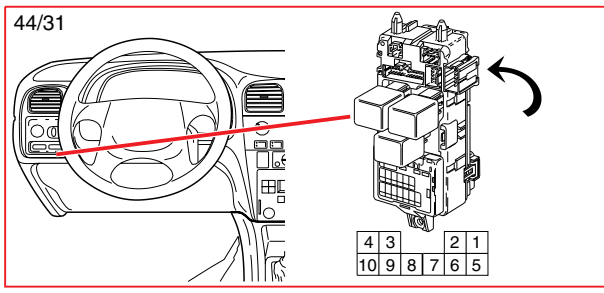
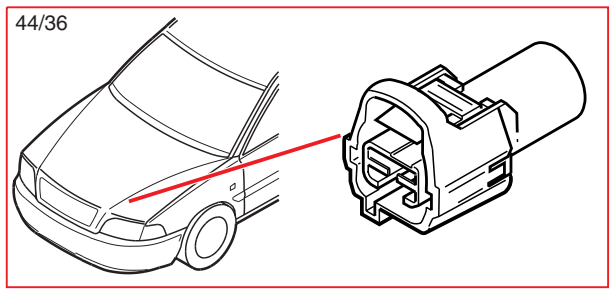
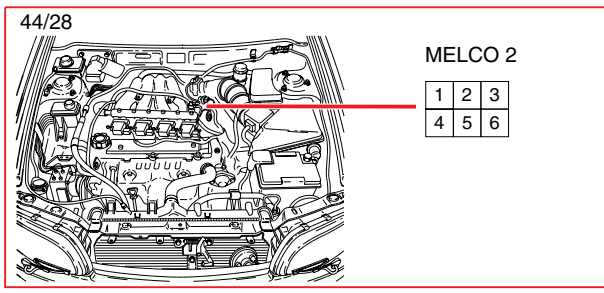
Component illustrations

44/14 - 44/27



Component illustrations

44/28 - 44/40



How to use the wiring diagram

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/x.

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	Combined instrument panel
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".

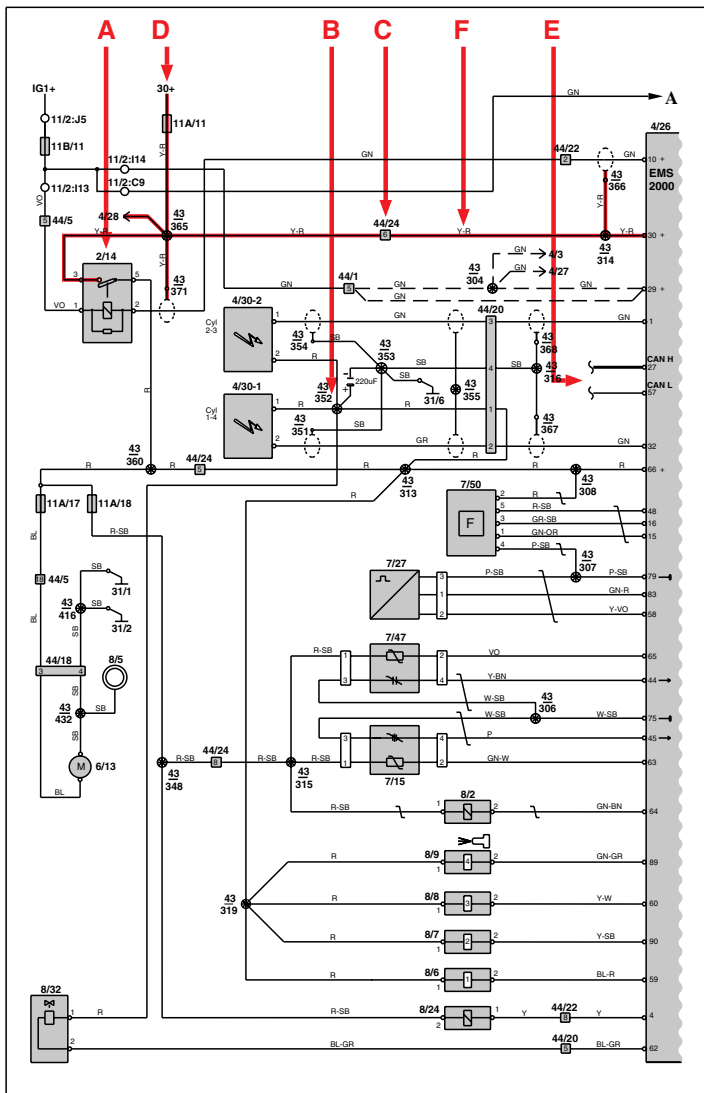
F. Abbreviations

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




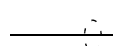

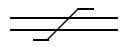


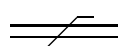
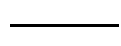
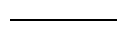

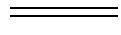


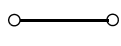
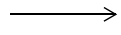


G. Component location

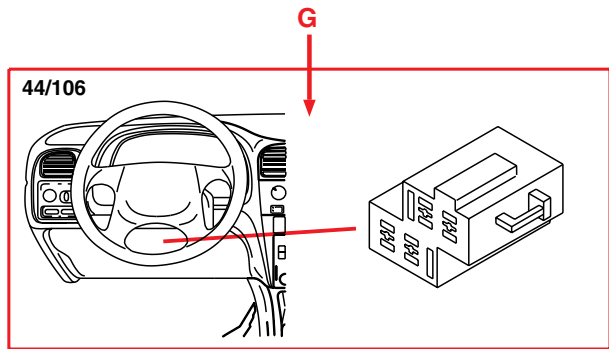
There is a section at the end of the manual in which the appearance and location of components is described in numerical order.

How to use the wiring diagram

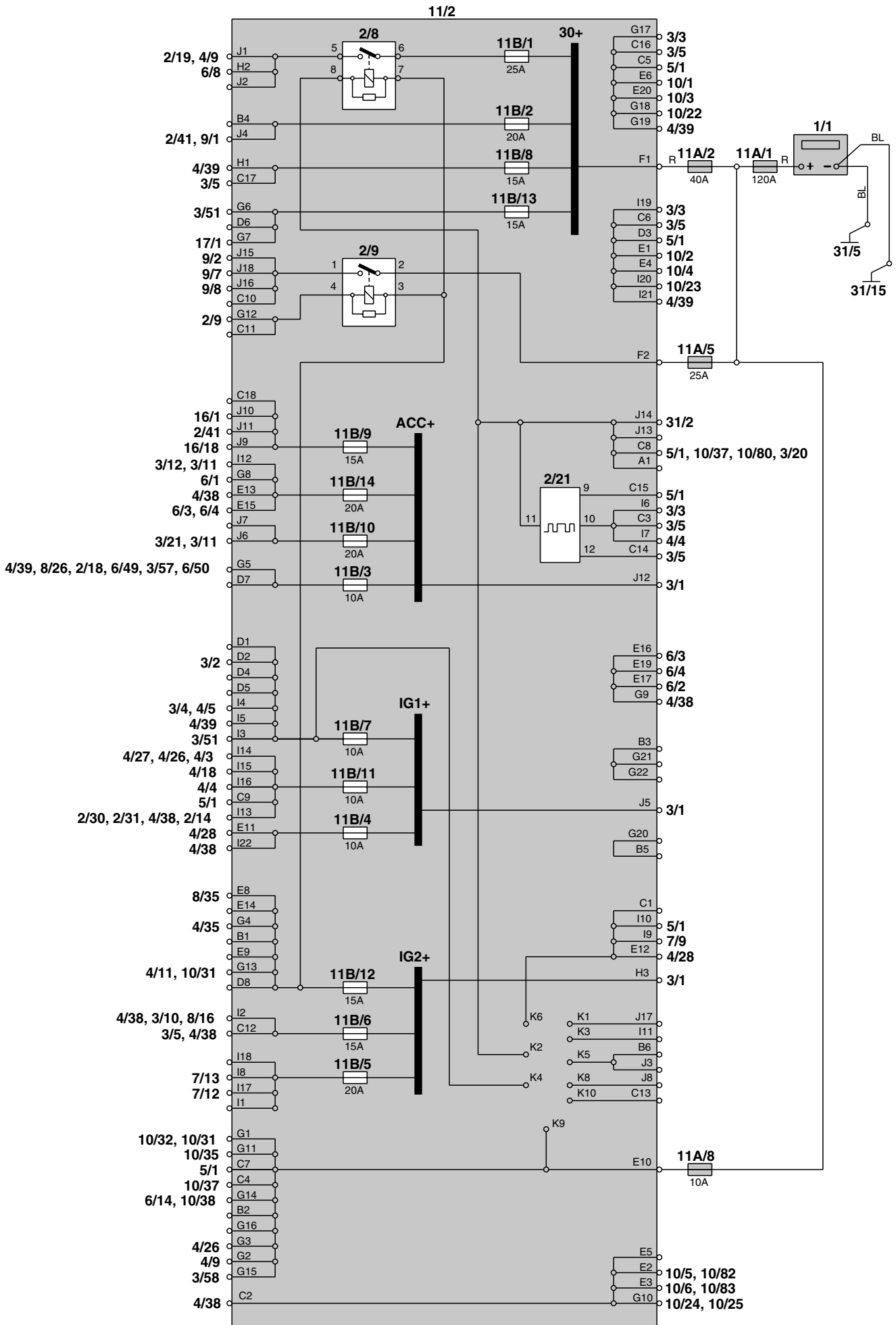


List of symbols

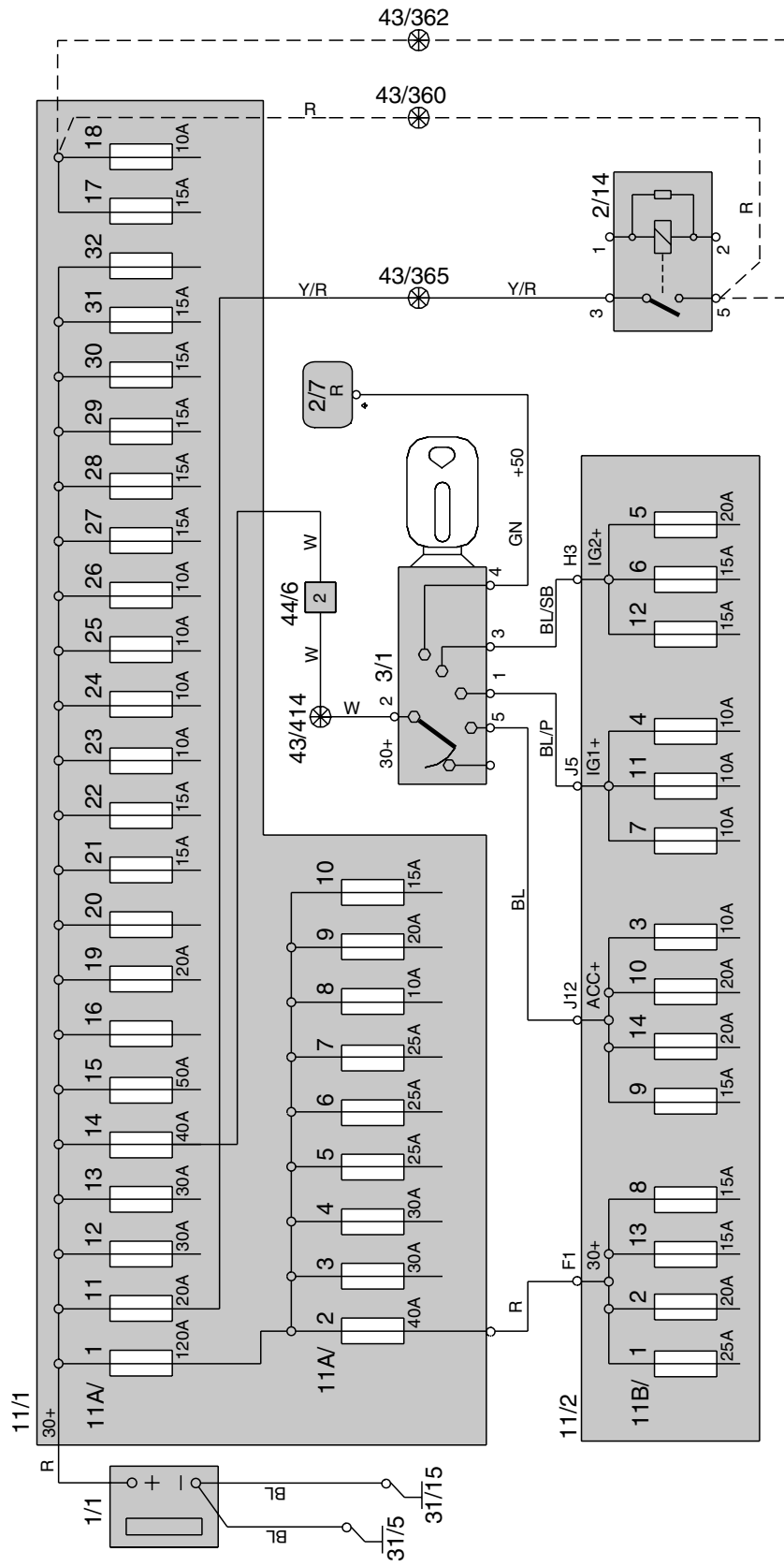
-  = System voltage
-  = Ground connection via wiring
-  = Ground connection on component/chassis
-  = Screened wire
-  = Junction point
-  = Twisted cable
-  = Electrical connection
-  = Variant
-  = CAN communication
-  = CAN high data signal (CAN H)
-  = CAN low data signal (CAN L)
-  = Serial communication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



Electrical distribution Overview

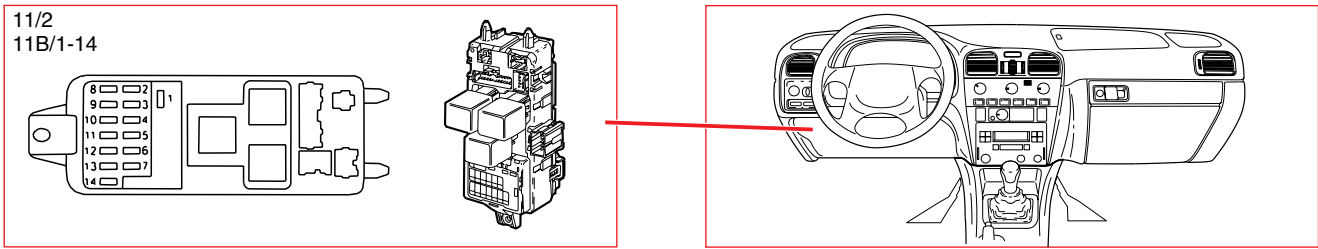


Electrical distribution Overview



Fuses

Passenger compartment 11B/1-6



11B Fuses in passenger compartment

No.	Fuse function	A
1	Motor, passenger compartment fan 6/8 via 2/8 Relay, passenger compartment fan max. speed 2/19 via 2/8 Climate Control Module CCM 4/9 via 2/8	25
2	Cigarette lighter 9/1 via 2/41 USA, CDN, AUS Cigarette lighter 9/1	20
3	Control module for locks and alarm, VGLA 4/39B:10 Relay, power windows 2/18 Retractable door mirrors 6/49-50 Power passenger seat 8/26	10
4	Central Electronic Module CEM 4/38 ABS control module 4/28:15	10
5	Temperature sensor 7/12-13	20
6	Central Electronic Module CEM 4/38 Automatic transmission 8/16 LH reversing light 10/18 via 4/38 Relay, direction indicators 2/21 via 3/5 RH reversing light 10/19 via 4/38	15
	continues	

List of components

1/1	Battery	3/25	Switch, child safety lock
2/7	Starter motor relay	3/27	Driver's door contact
2/8	Relay, passenger compartment fan	3/28	Passenger door contact
2/9	Relay, heated rear window/door mirrors	3/29	Contact, RL door
2/10	Relay, AC compressor	3/30	Contact, RR door
2/11	Relay, electric cooling fan, speed 1	3/31	Switch, LH heated seat
2/12	Relay, AC fan	3/32	Switch, RH heated seat
2/13	Relay, AC condenser fan	3/33	Control module, power windows/door mirrors, driver's door
2/14	Engine management system main relay	3/34	Switch unit, passenger door power window
2/18	Relay, power windows	3/35	Switch unit, power window, RL door
2/19	Relay, passenger compartment fan max. speed	3/36	Switch unit, power window, RR door
2/21	Relay, direction indicators	3/37	Switch, central locking, passenger door
2/23	Relay, shift lock	3/43	Switch, Dynamic Stability Assistance (DSA)
2/28	Relay, electric cooling fan, speed 2	3/44	Automatic transmission program selector
2/30	Relay, fuel injection/ignition	3/50	Hood alarm contact
2/31	Fuel pump relay	3/51	Contact, brake lights/unlocking gear selector
2/32	Relay, fuel throttle body	3/53	Shift lock contact
2/34	Relay, vacuum pump, automatic transmission	3/54	Switch, driver's door lock
2/35	Horn relay	3/56	Switch unit, power seats
2/36	Relay, glow plug unit	3/57	Switch, retractable door mirrors
2/37	Relay, coolant heater 1	3/58	Contact, key-inserted warning
2/38	Relay, coolant heater 2	3/60	Seat belt lock, driver's side
2/41	Relay, cigarette lighter	3/61	Seat belt lock, passenger side
2/50	Relay, LPG	3/62	Kick-down contact
		3/63	Switch, gas/gasoline drive
3/1	Ignition switch	4/3	Control module, Dynamic Stability Assistance (DSA)
3/2	Light switch	4/4	Control module, Supplemental Restraint System (SRS)
3/3	Switch, direction indicators/high and low beams	4/5	Control module, cruise control
3/4	Control, cruise control	4/6	Control module, xenon lamps
3/5	Hazard warning flasher switch	4/9	Climate Control Module (CCM)
3/6	Horn contact	4/11	Control module, power sunroof
3/7	Parking brake contact	4/14	Control module, passenger compartment fan speed control
3/8	Switch, heated rear window	4/18	Control module, electronic immobilizer
3/9	Switch unit, lights	4/26	Engine management system
3/10	Reversing light contact	4/27	Transmission Control Module TCM
3/11	Wiper switch, windshield/rear window	4/28	ABS control module
3/12	Switch, rear window washer/wiper	4/30	Ignition coils
3/13	Power sunroof switch	4/33	Control module, fuel system
3/14	Brake pedal contact, cruise control	4/35	Control module, key-inserted warning/seat belt reminder
3/15	Clutch pedal contact, cruise control	4/38	Central Electronic Module CEM
3/16	Switch, front fog lights	4/39	Control module for locks and alarm, VGLA
3/17	Switch, rear fog light	4/40	Receiver, VGLA
3/18	Dimmer	4/41	Control module, ultrasonic glass breakage sensor
3/19	Control, beam adjustment	4/50	Control module, fuel throttle relay
3/20	Switch, trip computer	4/51	Fuel distributor, gas
3/21	Switch, windshield wiper	4/75	Control module LPG
3/22	Contact, lighting/alarm, cargo compartment		
3/23	Switch, reduced alarm		
3/24	Switch, central locking, driver's door		

5/1	Combined instrument panel	7/6	Engine temperature sensor
5/4	Trip computer display	7/7	Oil pressure sensor
		7/8	Sensor, LPG level 1
6/1	Windshield wiper motor	7/9	Brake fluid level sensor
6/2	Windshield washer pump	7/10	Washer fluid level sensor
6/3	RH headlight wiper motor	7/12	Driver's seat temperature sensor
6/4	LH headlight wiper motor	7/13	Passenger seat temperature sensor
6/5	Sunroof motor	7/14	Catalytic converter temperature sensor
6/6	Starter motor	7/15	Heated oxygen sensor, front
6/7	Generator	7/17	Speed sensor, FL wheel, ABS
6/8	Motor, passenger compartment fan	7/18	Speed sensor, FR wheel, ABS
6/9	Motor, electric cooling fan	7/19	Speed sensor, RL wheel, ABS
6/10	Washer pump, rear window	7/20	Speed sensor, RR wheel, ABS
6/11	Rear window wiper motor	7/21	Pulse transmitter, gasoline engine
6/12	Vacuum pump, cruise control	7/25	Throttle position sensor
6/13	Fuel pump	7/26	Knock sensor
6/14	Power antenna	7/27	Camshaft position sensor
6/15	LH beam adjustment actuator	7/28	Solar sensor
6/16	RH beam adjustment actuator	7/29	Outside temperature sensor, AC
6/17	Motor, power window, driver's door	7/30	Coolant temperature sensor
6/18	Motor, power window, passenger door	7/31	Sensor, AC evaporator temperature
6/19	Motor, RL power window	7/38	Antenna ring, electronic immobilizer
6/20	Motor, RR power window	7/40	Vehicle inclination sensor
6/21	Power door mirror, driver's side	7/47	Heated oxygen sensor, rear
6/22	Power door mirror, passenger side	7/49	AC pressure sensor
6/23	Temperature damper, climate control	7/50	Mass airflow sensor MAF
6/24	Damper motor, ventilation/floor/defroster	7/52	Coolant temperature sensor
6/25	Damper motor, recirculation	7/53	Air temperature sensor
6/26	Motor, two-speed cooling fan	7/54	Glass breakage sensor
6/27	AC condenser fan	7/55	Ultrasonic sensor
6/28	Central locking, driver's door	7/56	Crankshaft position sensor
6/29	Central locking, passenger door	7/58	Tank pressure sensor
6/30	Central locking, rear driver's side door	7/60	Sensor, air pressure/temperature/flow
6/31	Central locking, rear passenger side	7/61	Sensor, automatic transmission oil temperature
6/32	Central locking, trunk lid/tailgate	7/62	AC pressure monitor
6/34	RL child safety lock	7/63	Sensor, brake vacuum
6/35	RR child safety lock	7/64	IGF sensor
6/36	Central locking with deadlock on driver's door	7/65	Steering angle sensor
6/37	Central locking with deadlock on passenger door	7/67	Pressure monitor, vacuum pump, automatic transmission
6/38	Central locking with deadlocks, rear driver's side	7/71	Sensor, fuel temperature, injection pump
6/39	Central locking with deadlocks, rear passenger side	7/72	Accelerator pedal sensor
6/45	Motor, backrest tilt, seats	7/73	Sensor, FL side airbag
6/46	Motor, seat cushion front up/down	7/74	Sensor, FR side airbag
6/47	Motor, seat cushion rear up/down	7/75	Sensor, RL side airbag
6/48	Motor, seat forward-rearward	7/76	Sensor, RR side airbag
6/49	Retractable driver's door mirror	7/77	Charge pressure sensor 1
6/50	Retractable passenger door mirror	7/78	Leakage Diagnostic Pump (LDP)
6/51	EGR stepper motor	7/79	Charge pressure sensor 2
6/54	Vacuum pump, automatic transmission	7/80	Engine speed sensor
6/55	Lock motor, fuel filler flap	7/81	Turbo pressure sensor
6/56	Engine, fuel throttle body	7/82	Fuel line pressure sensor
		7/84	Pressure sensor, gas tank
		7/85	Heated oxygen sensor LPG
7/2	Fuel level sensor		
7/3	Sensor, outside temperature, trip computer		

8/1	Solenoid clutch, AC compressor	10/12	FR side marker light
8/2	Idling valve	10/13	FL fog light
8/3	Supplemental Restraint System (SRS), driver's unit	10/14	FR fog light
8/4	Supplemental Restraint System (SRS), passenger unit	10/15	LH brake light
8/5	Fuel filter	10/16	RH brake light
8/6-9	Injectors	10/17	Auxiliary brake light
8/10	Seat belt tensioner, driver's side	10/18	LH reversing light
8/11	Seat belt tensioner, passenger side	10/19	RH reversing light
8/13	EGR valve	10/20	LH license plate lighting
8/16	Automatic transmission	10/21	RH license plate lighting
8/23	Turbocharger control valve	10/22	RL direction indicator
8/24	EVAP valve	10/23	RR direction indicator
8/25	Power driver's seat	10/24	RL parking light
8/26	Power passenger seat	10/25	RR parking light
8/32	CVVT valve	10/26	LH tail light
8/33	Side airbag, driver's side	10/27	RH tail light
8/34	Side airbag, passenger side	10/28	RL side marker light
8/35	Alarm siren	10/29	RR side marker light
8/36	Engine stopping damper valve	10/30	Fog light, rear driver's side
8/38	Fuel line pressure regulator	10/31	Ceiling light for HL with reading lights
8/39	Inflatable curtain, LH side	10/32	Ceiling light for LL
8/40	Inflatable curtain, RH side	10/33	Reading lights, rear
8/41	Fuel cut-off valve DFCO	10/34	Lamp housing, trunk lid/tailgate
8/42	Cut-off valve, engine	10/35	Courtesy lighting
8/43	Cut-off valve, tank	10/36	Lighting, vanity mirror, passenger side
		10/37	Glove compartment lighting
9/1	Cigarette lighter	10/38	Cargo compartment lighting
9/2	Heated rear window	10/41	Lighting, cigarette lighter
9/3	LH seat heating element	10/42	Lighting, gear selector, automatic transmission
9/4	LH seat backrest heating element	10/43	Lighting, automatic transmission program selector
9/5	RH seat heating element	10/44	Lighting, heater controls
9/6	RH seat backrest heating element	10/45	Lighting, switch unit, lights
9/7	Heated door mirror, driver's door	10/47	Lighting, vanity mirror, driver's side
9/8	Heated door mirror, passenger door	10/48	Warning light, oil pressure
9/9	Glow plug	10/49	Warning light, generator charging current
9/10	Fuel preheater	10/50	Warning light, brake fluid level
9/12	Crankcase breather	10/51	Warning light, exhaust gases
9/14_1	Coolant heater 1	10/52	Warning light, parking brake
9/14_2	Coolant heater 2	10/53	Reserve light (not used)
		10/54	Warning light, anti-lock brakes (ABS)
10/1	FL direction indicator	10/55	Warning light, Supplemental Restraint System (SRS)
10/2	FR direction indicator	10/56	Warning light, automatic transmission (TCM)
10/3	Direction indicator, FL fender	10/57	Warning light, Dynamic Stability Assistance (DSA)
10/4	Direction indicator, FR fender	10/58	Warning light, fuel level
10/5	FL parking light	10/59	Warning light, coolant temperature
10/6	FR parking light	10/60	Indicator light, hazard warning flashers
10/7	LH low beam	10/61	Indicator light, electronic immobilizer
10/8	RH low beam	10/62	Indicator light, high beam
10/9	LH high beam	10/63	Indicator light, door open
10/10	RH high beam	10/64	RL lamp housing
10/11	FL side marker light	10/65	RR lamp housing

10/66	Bulb failure sensor indicator light	16/1	Radio
10/67	Indicator light, LH direction indicator	16/2	Speaker, FL door
10/68	Indicator light, RH direction indicator	16/3	Speaker, FR door
10/69	Indicator light, seat belt reminder	16/4	Dashboard speaker, driver's side
10/70	Trailer indicator light	16/5	Dashboard speaker, passenger side
10/71	Indicator light, preheater	16/6	LH speaker, rear shelf
10/72	Indicator light, washer fluid	16/7	RH speaker, rear shelf
10/73	Indicator light, front fog lights	16/9	Horn 1
10/74	Indicator light, rear fog lights	16/10	Antenna amplifier
10/75	Instrument lighting	16/16	Horn 2
10/79	Indicator light, service reminder	16/18	Bass speaker
10/80	Alarm indication, solar sensor/electronic immobilizer		
10/81	Indicator light, cruise control	17/1	Data link connector
10/82	Lamp housing, parking light/direction indicator, FL		
10/83	Lamp housing, parking light/direction indicator, FR	18/4	Contact reel
10/84	LH headlight		
10/85	RH headlight	19/1	Fuel gauge
10/86	LH headlight, Xenon	19/2	Temperature gauge
10/87	RH headlight, Xenon	19/3	Tachometer
		19/4	Speedometer
11/1	Fuse box in engine compartment		
11/2	Fuse box in passenger compartment	31/no.	Ground connection
11/2:A-J	Terminal block		
11A/no.	Fuses in the engine compartment	43/no.	Junction point
11B/no.	Fuses in the passenger compartment		
15/no.	Distribution rail	44/no.	Connector