

Service Manual Cars

Section 3 (39) Wiring diagram S40/V40 2000

TP 3945202

VOLVO

Cars with SRS (Air bag)/SIPS bag (S40/V40)

Warning

Cars equipped with a Supplemental Restraint System (SRS)/SIPS bag must be treated extra carefully when repairs are being made. This is to help prevent:

1. Injuries when carrying out a repair.
2. Damage or malfunction of the SRS/SIPS bag system.

Repair to either the SRS/SIPS bag itself or a related system or component must be carried out by an authorized Volvo workshop. Refer to the appropriate SRS and SIPS bag service manual for complete system information.

Is the car equipped with SRS?

Cars with SRS are most easily recognized by the SRS letters on the steering wheel pad. If the car is also equipped with an air bag on the passenger side, the letters 'SRS' will be embossed on the instrument panel above the glove compartment. Cars with SRS are also equipped with pyrotechnic seat belt tensioners in the B-posts.

The SIPS bags are installed in all cars. Cars with SIPS bags are recognized by the identifying labels on the windshield and on seat storage tray.

Dashboard or around steering column

Take care to avoid the SRS wiring being pinched, frayed or pierced by screws when working on the firewall, ignition switch, steering column casings, glove compartment, instrument panel, door sills and B-posts.

Center console

The SRS collision sensor is located between the handbrake and gear lever (selector) in the center console. Never install accessories on or near the sensor.

Repairs to steering gear and column

When carrying out repairs to the steering wheel, steering gear or column always follow the repair procedures given in the appropriate SRS service manual. Read the relevant section. The contact reel in the steering column will be damaged if the steering wheel is turned more than three turns in either direction.

Seats

The SIPS bag sensor is located in the B-post. The SIPS bag can be activated by static electricity. Refer to Vadis information, "Seats, lifting in and out" when carrying out work on the front seats.

Test terminal

Data Link Connector socket in passenger compartment.

Modifications to May 1999 included.

Modifications introduced after the above date are not covered in this manual.
See Service Bulletins as applicable.

Volvos are sold in versions adapted for different markets. These adaptations depend on many factors including legal, taxation and market requirements.

This manual may therefore show illustrations and text which do not apply to cars in your country.

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Order number: TP 3945202
Supersedes TP 3945201

We reserve the right to make alterations without prior notification

There are a number of abbreviations in the book. These are explained below.

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	= United Kingdom
JP	= Japan
KOREA	= Korea
N	= Norway
NL	= Holland
S	= Sweden
WEU	= Western Europe

Colors

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

Other

ABS	= Anti-lock brakes
AC	= Air Conditioning System (A/C System)
ACC	= Accessories
ACC CONN	= Accessories connector
AT	= Automatic transmission
CDL	= Central locking system
CEM	= Central electronic module
Cruise	= Cruise control
DH	= Twin headlamps
Diesel	= Diesel
DSA	= Dynamic stability system
ECC	= Electronic climate control
EMS 2000	= Ignition control module (ICM) EMS 2000
FL	= Left front
FR	= Right front
HL	= High equipment level
IC	= Information center
LHD	= Left hand drive
LL	= Standard equipment level
Petrol	= Gasoline
MAF	= Mass Air Flow
MAP	= Manifold absolute pressure
MELCO 1	= ignition control module (ICM) MELCO 1
MSA15.5	= Ignition control module (ICM) Diesel
MT	= Manual transmission
RHD	= Right hand drive
RL	= Rear left
RR	= Rear right
SH	= Single headlamp
Siren	= Siren
SRS	= Safety restraint system
TCU	= Automatic transmission control module
VGLA	= Central locking/anti theft alarm (lock/alarm) control module

Engine variants

B4164S	= Gasoline (petrol) engine
B4184S	= Gasoline (petrol) engine
B4204S	= Gasoline (petrol) engine
B4184SM	= Direct injection gasoline (petrol) engine
B4204T	= Low-pressure gasoline turbocharged engine
B4194T	= High-pressure gasoline turbocharged engine
D4192T	= Diesel turbocharged engine

How to use the diagrams

The diagrams of the large complicated components are divided into sub-diagrams. These are designated 1(3), 2(3) and so on.

Battery (1/1), ignition switch(3/1) and central electrical unit (11B) in the passenger compartment are always at the top of the diagram.

The connection for this central electrical unit (J1,J14 and so on) are on the page Relay box in the passenger compartment

A Fuses

The fuses are divided between the central electrical units. The fuses in the engine compartment start at 11A. The fuses in the passenger compartment start at 11B. There are also larger fuses in the engine compartment. These are indicated in the diagram by thick lines.

B Diagram

There are tables for certain components (the ignition lock for example) which display which terminals are electrically connected to each other at the various switch positions.

C Reference

Reference to a component that does not have any direct relevance to the open diagram.

D Junction

This is a junction in the cable harness, see "junctions".

E Control module

All control modules are gray. Any references to a control module are in gray blocks.

F Connector

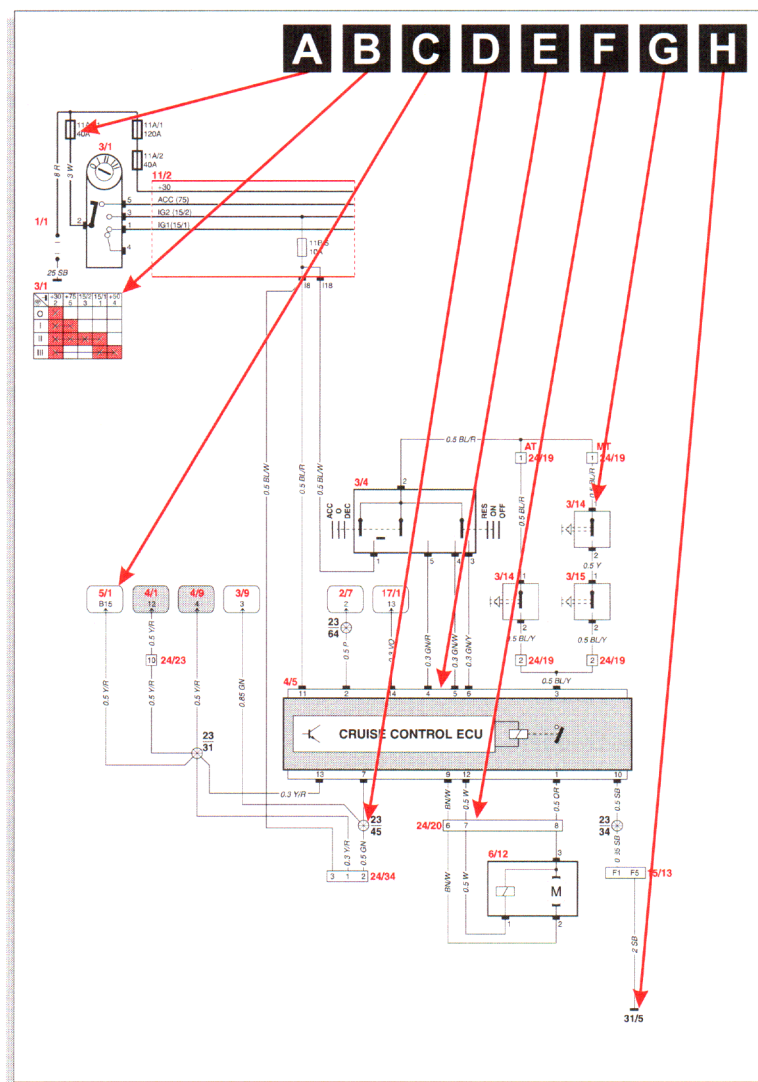
Connector with terminal number
(24/xx is always a connector).

G Component

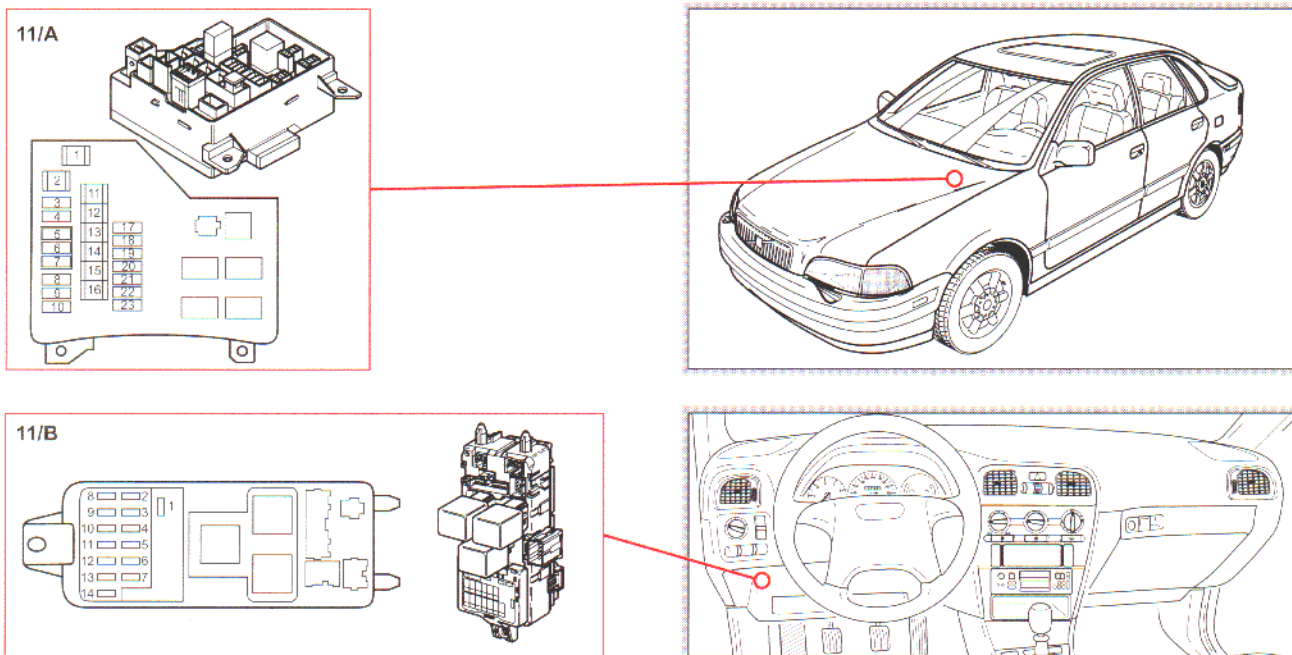
Each component has a component designation. There is a foldout list of components at the back of this book.

H Ground terminals

Connector 31/1-2 means that the two ground terminals in the engine compartment are connected to each other. All components in the engine compartment are connected to this terminal, see "ground terminals"



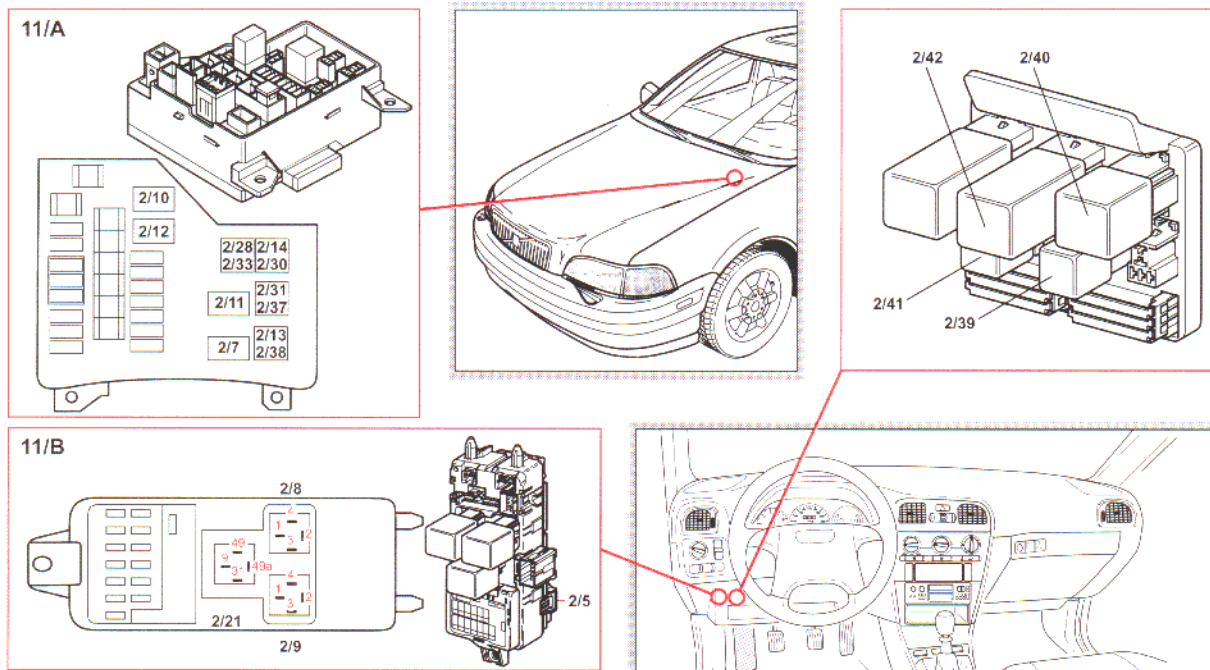
Fuses in engine compartment



Fuses, 11A, Engine compartment

No.	Fuse function	A
1	Generator, power supply to fuses 2,3,4,5,6 and 7, pulsed secondary air injection system (PAIR) pump, Diesel glow plugs	120
2	Power supply to fuses in the passenger compartment	50
3	Heated rear window, heated door mirrors	25
4	Power seats	30
5	Power antenna, glass breakage sensor	10
6	VGLA , central locking, child safety block motor	20
7	Air conditioning (A/C) compressor, condenser fan (Turbo, MELCO 1)	15
8	Fog lamps front and rear	20
9	Central electronic module (CEM), left low beam	10
10	Central electronic module (CEM), right low beam	10
11	Coolant heater (Diesel)	50
12	ABS	50
13	Engine (via system relay) Gasoline: injectors, ignition Diesel: glow plug relay, fuel pre-heat	20
14	Ignition switch	40
15	Engine cooling fan (FC), A/C condenser fan	30
16	Power windows	30
17	Horn, alarm	15
18	Parking lights	10
19	Central electronic module (CEM), high and low beam	15
20	Fuel pump (FP)	15
21	Engine subsystem	10
22	Vacuum pump (Turbo auto), generator (MELCO 1)	15
23	Motor level control high and low beam	10

Relays in engine compartment and passenger compartment



Relays in engine compartment

1	2/10	Air conditioning (A/C) compressor
2	2/12	Engine cooling fan (FC) (operated by air conditioning A/C, MELCO 1, Diesel)
3	2/11	Engine cooling fan (FC) speed 1 (EMS 2000, Diesel)
4	2/31 2/37	Fuel pump (FP) (MELCO 1) Coolant heater 1 (Diesel)
5	2/7	Starter motor (immobilizer)
6	2/13 2/38	Air conditioning condenser fan (Gasoline) Coolant heater 2 (Diesel)
7	2/28 2/33	Engine cooling fan (FC) speed 2 (EMS 2000, Diesel) System (MELCO 1)
8	2/14 2/30	System (EMS 2000, Diesel) Injectors/ignition (MELCO 1)

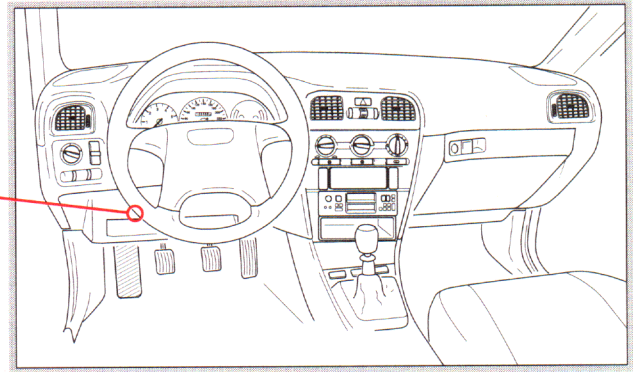
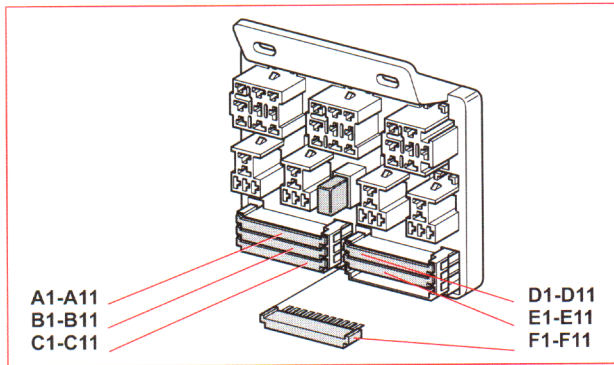
Relays in passenger compartment

1	2/8	Heating system
2	2/9	Heated rear window and door mirrors
3	2/21	Turn signal lamp

Relays in the passenger compartment (in the separate relay holder)

1	2/40	Relay seat belt reminder/ignition warning (USA, CDN, Korea)
2	2/42	Trunk lid lock relay
3	2/18	Power windows relay
4	2/39	Seat belt reminder
5	2/41	Accessory relay

Distribution rails



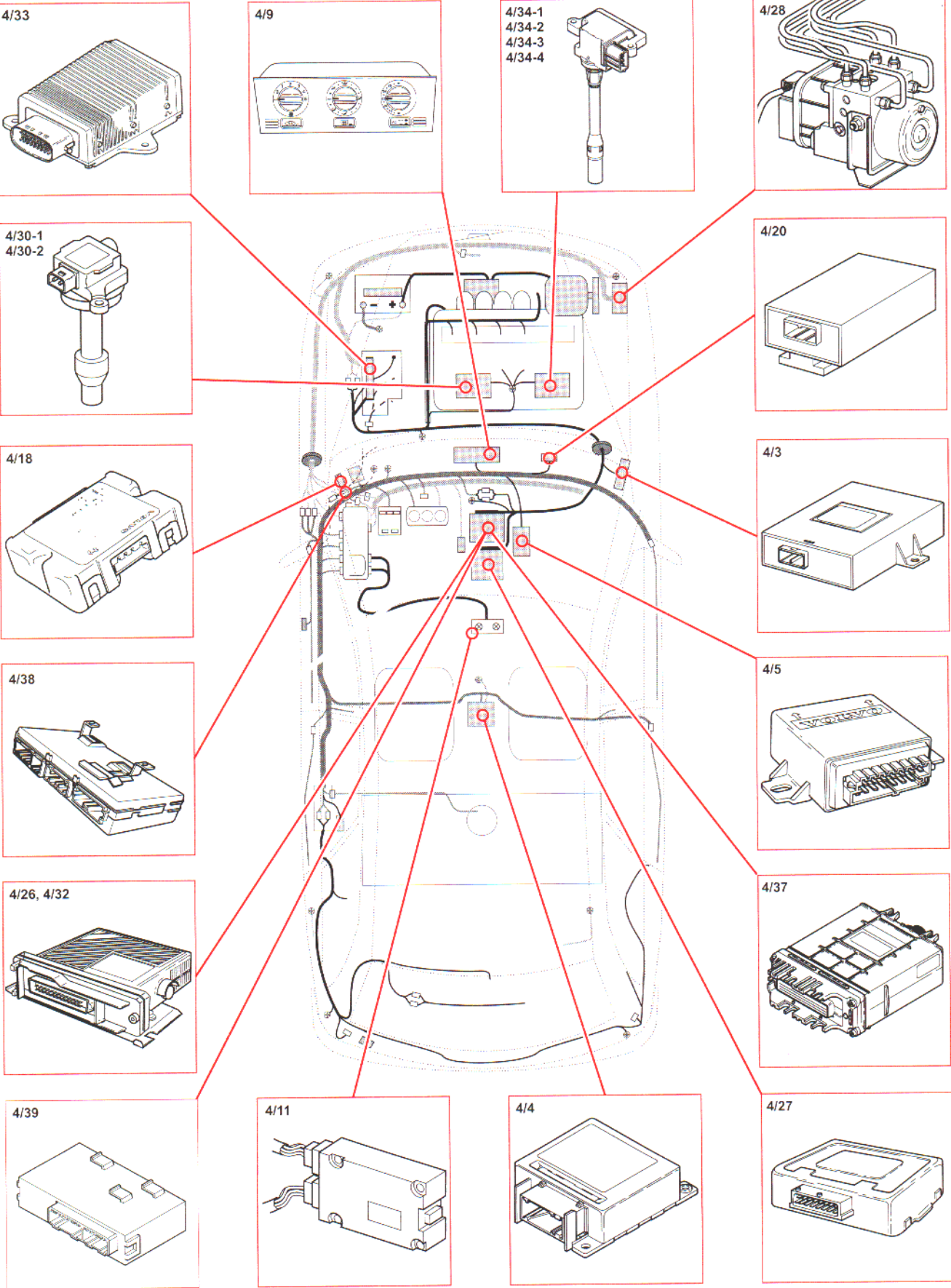
15/4	Distribution rail, dimmer switch for lighting
A1	CEM (B2/22)
A2	Lighting, ashtray
A3	Lighting, Air conditioning (A/C) (7) or passenger airbag switch (1)
A4	Lighting, ECC (5)
A5	Lighting, automatic transmission gear position
A6	Lighting, switch central locking switch child safety block or passenger airbag

15/5	Distribution rail, central locking
A8	VGLA (B11)
A9	Electric motor fuel tank filler cover (2), tailgate (1) or relay locking tailgate (5)
A10	Electric motor left rear door (1)
A11	Electric motor driver's door (2)

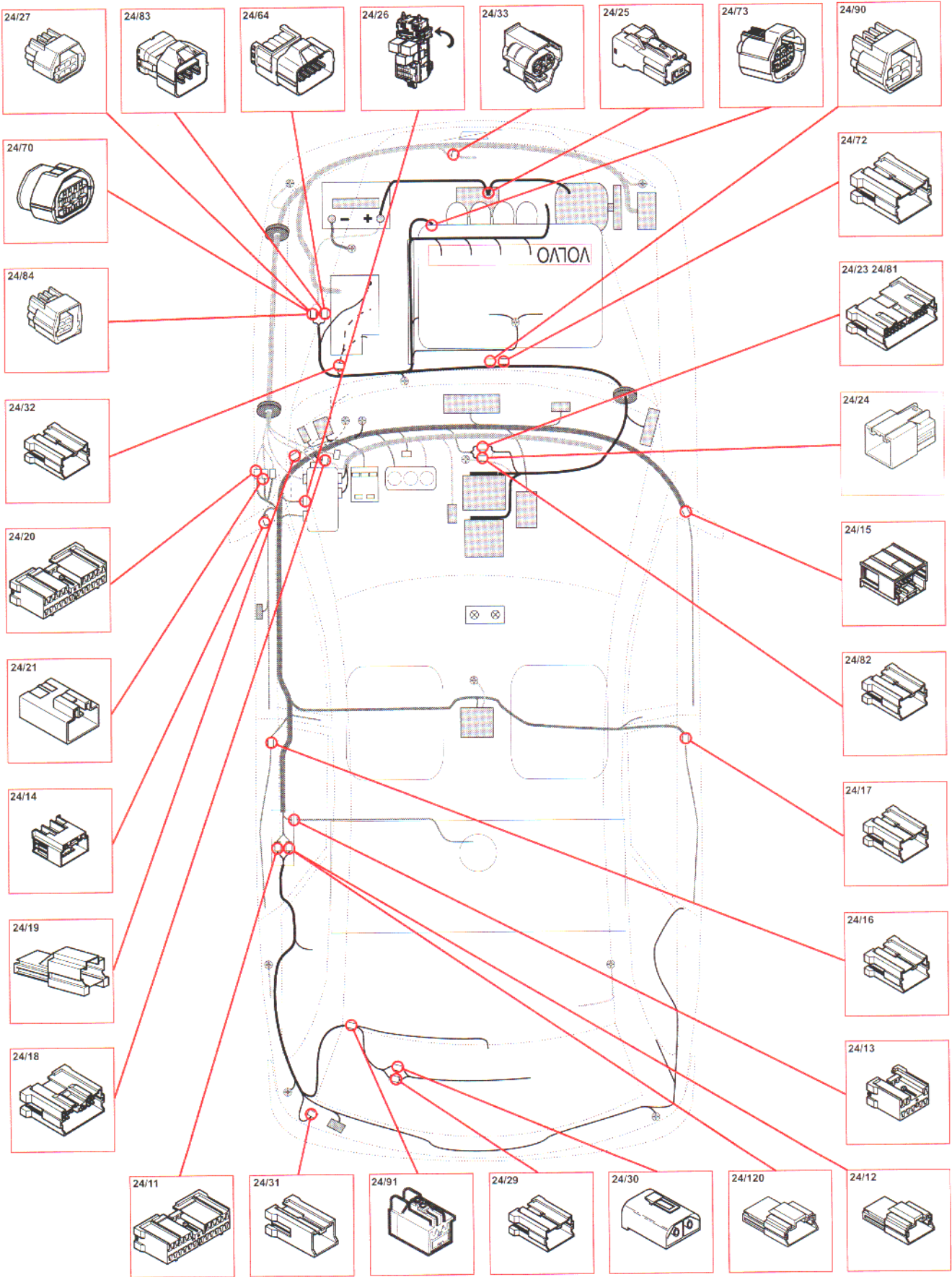
15/6	Distribution rail, central locking
B1	VGLA (B13)
B2	Electric motor fuel tank filler cover (1)
B4	Electric motor left rear door (2)
B6	Electric motor driver's door

15/7	Distribution rail, central locking
B8	Fuse 11A/6
B9	VGLA (B1)
B10	Lock trunk lid (3)
B11	Lock trunk lid (2)

Control modules - overview



Connectors - overview



Junction points

23/5-58

23/5

24/26:3	Connector
6/15:1	Motor height adjustment
6/16:1	Motor height adjustment
31/1:2	Ground terminal

23/13

24/26:2	Connector
6/15:2	Motor height adjustment
6/16:2	Motor height adjustment

23/17

2/12:1	Cooling fan (controlled by air conditioning A/C)
3/47:1	Pressure switch A/C
24/20:12	Connector

23/25

6/8:2	Motor blower fan passenger compartment
20/1:4	Heating resistor
3/19:6	Blower fan motor passenger compartment switch

23/26

31/5	Ground terminal
4/14:2	ECC fan motor speed control
2/19:2	Maximum speed ECC blower fan motor

23/27

4/9:22	Control module ECC
6/23:1	Temperature valve motor
7/29:4	Outside temperature sensor ECC

23/28

4/9:23	Control module ECC
24/18:14	Connector
6/23:3	Temperature valve motor ECC
6/24:3	Floor defroster shutter motor ECC

23/29

4/9:1	Control module ECC
2/19:1	Maximum speed ECC blower fan motor
2/8:1	Relay heater system

23/30

4/9:27	Control module ECC
4/14:4	ECC fan motor speed control
2/19:4	Maximum speed ECC blower fan motor
6/8:2	Motor blower fan passenger compartment

23/49

3/34:4	Switch window passenger side (in console)
3/33:4	Switch window driver's side (in console)
3/35:4	Switch window left rear
3/36:4	Switch window right rear
3/37:1	Lock switch windows rear
23/296	Junction point

23/50

24/16:5	Connector
24/17:5	Connector
2/18:2	Power windows

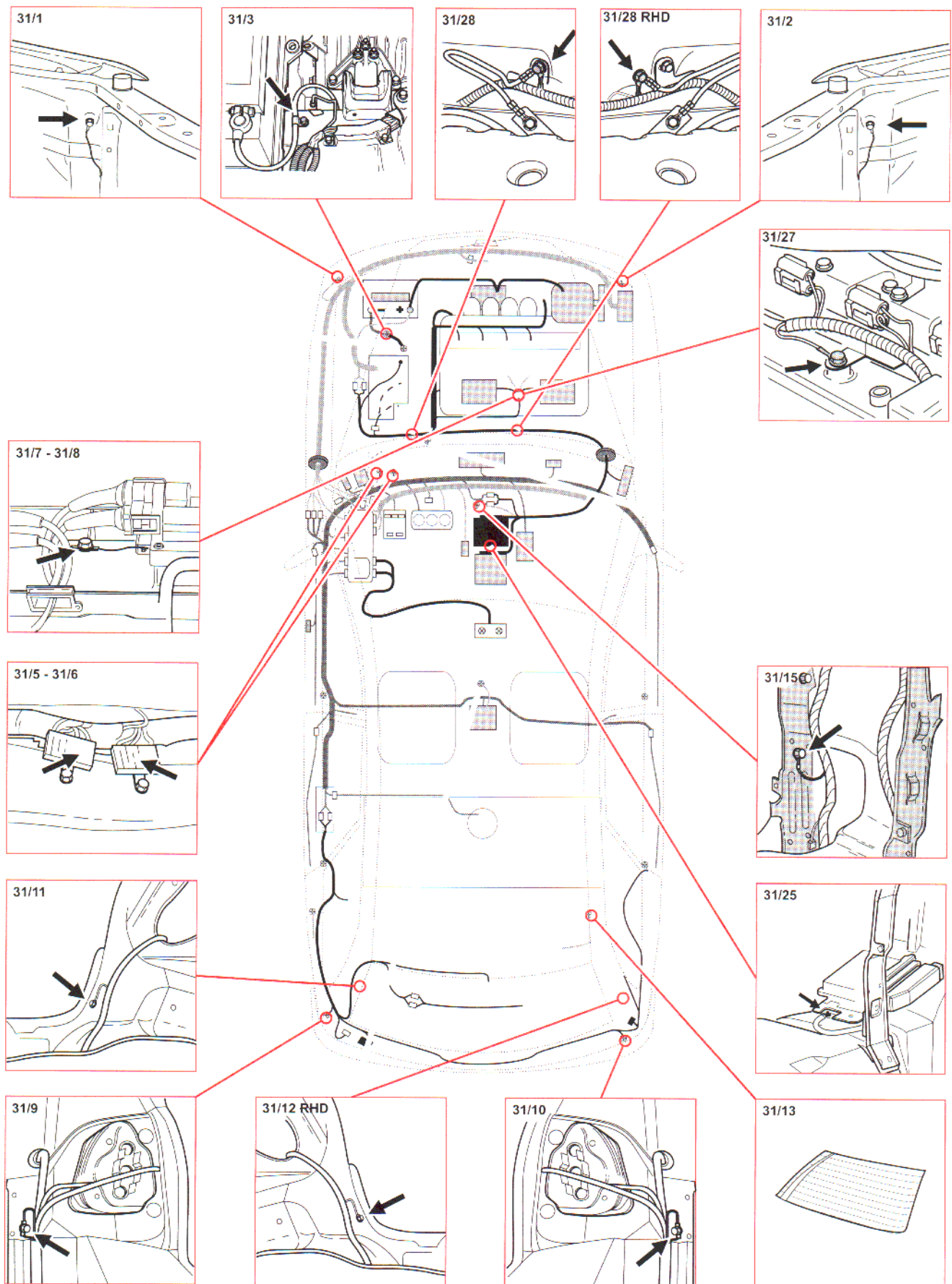
23/52

3/34:5	Switch window passenger side (in console)
3/33:5	Switch window driver's side (in console)
3/35:5	Switch window left rear
3/36:5	Switch window right rear
31/6	Ground terminal

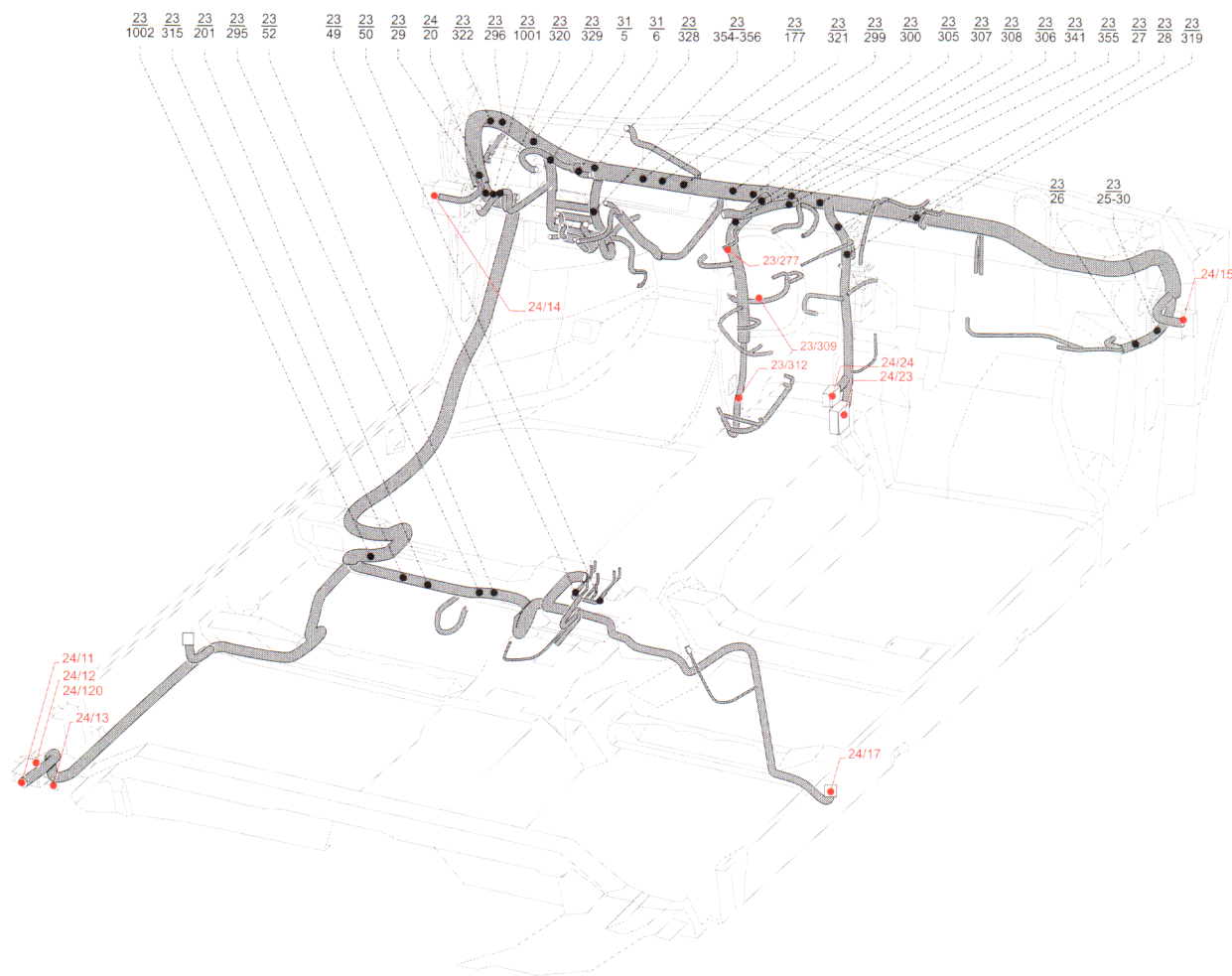
23/58

31/11	Ground terminal (LHD)
10/22:2	Left turn signal lamp rear
24/31:2	Connector
10/16:4	Stop (brake) lamps
10/26:5	Tail lamps
24/91:2	Connector (ACC)

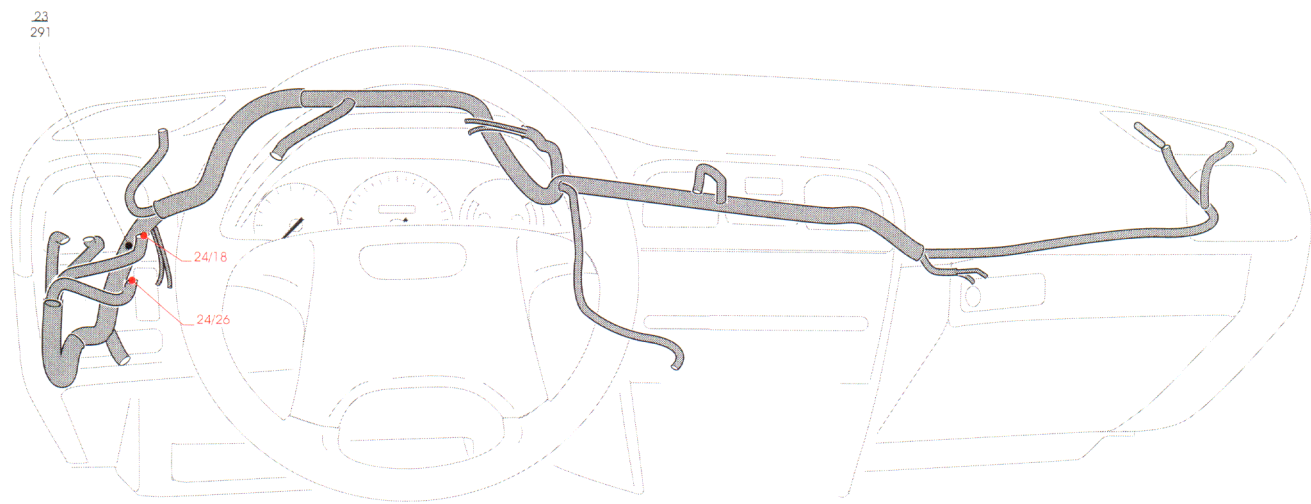
Ground terminals Overview



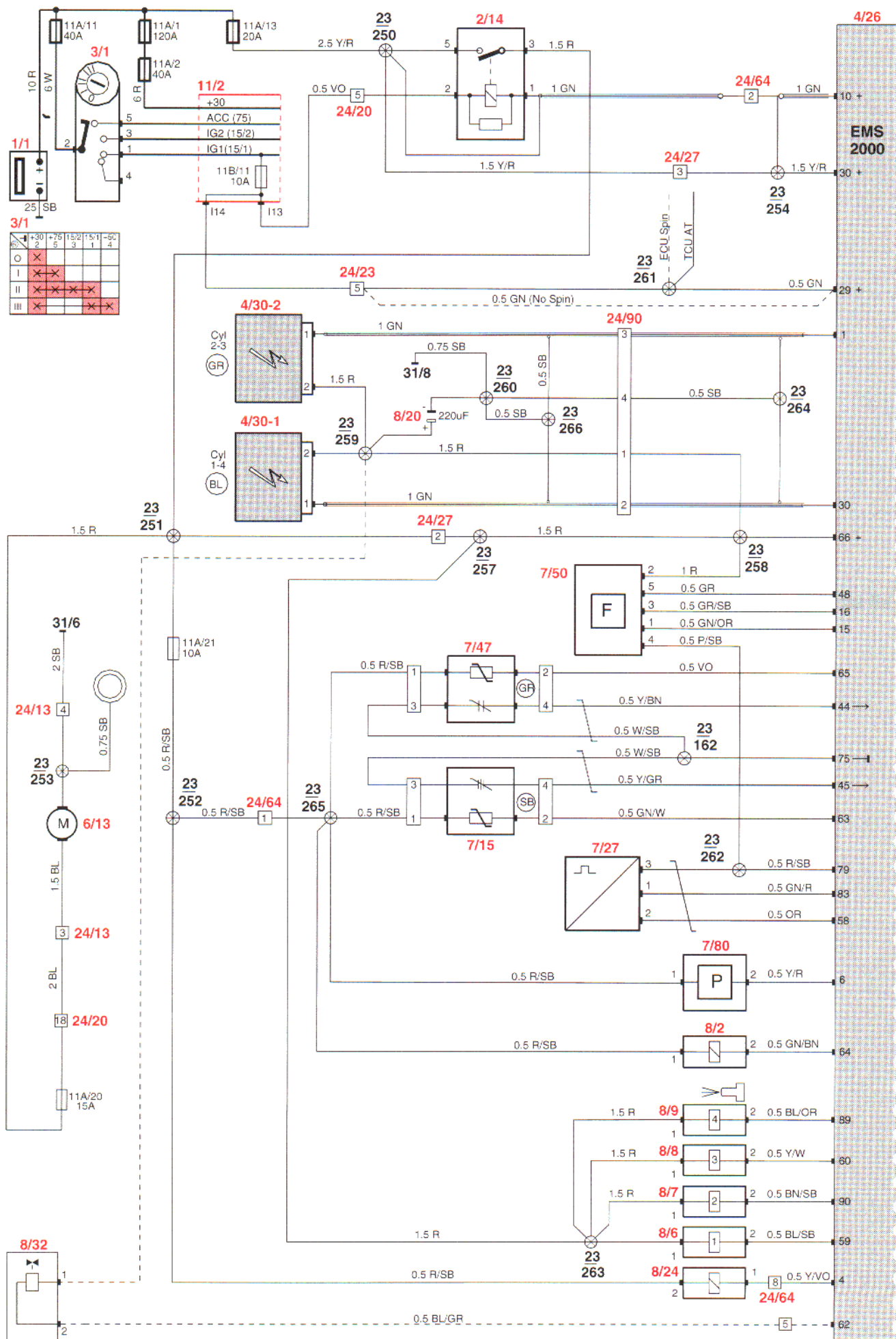
In the passenger compartment



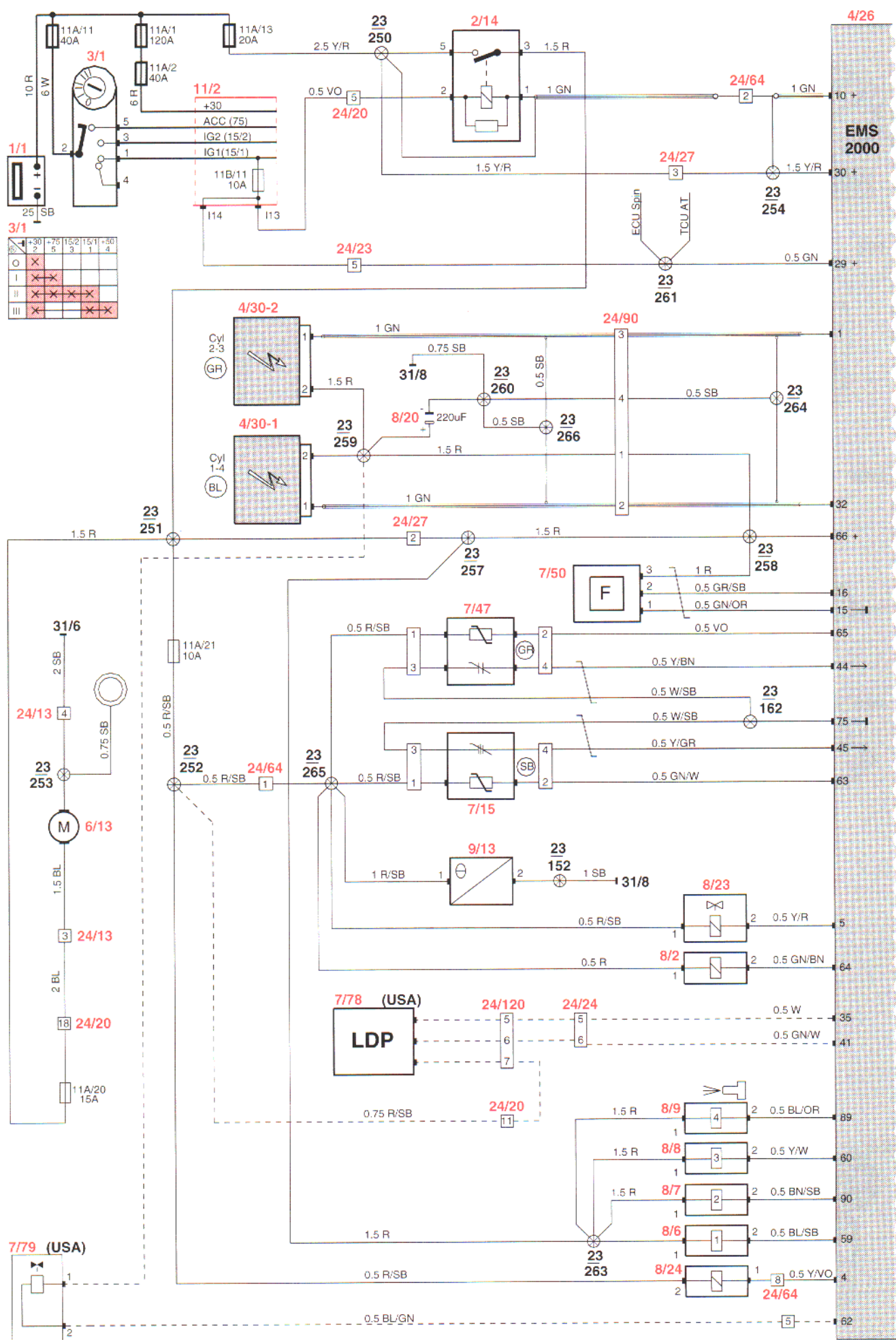
Instrument panel



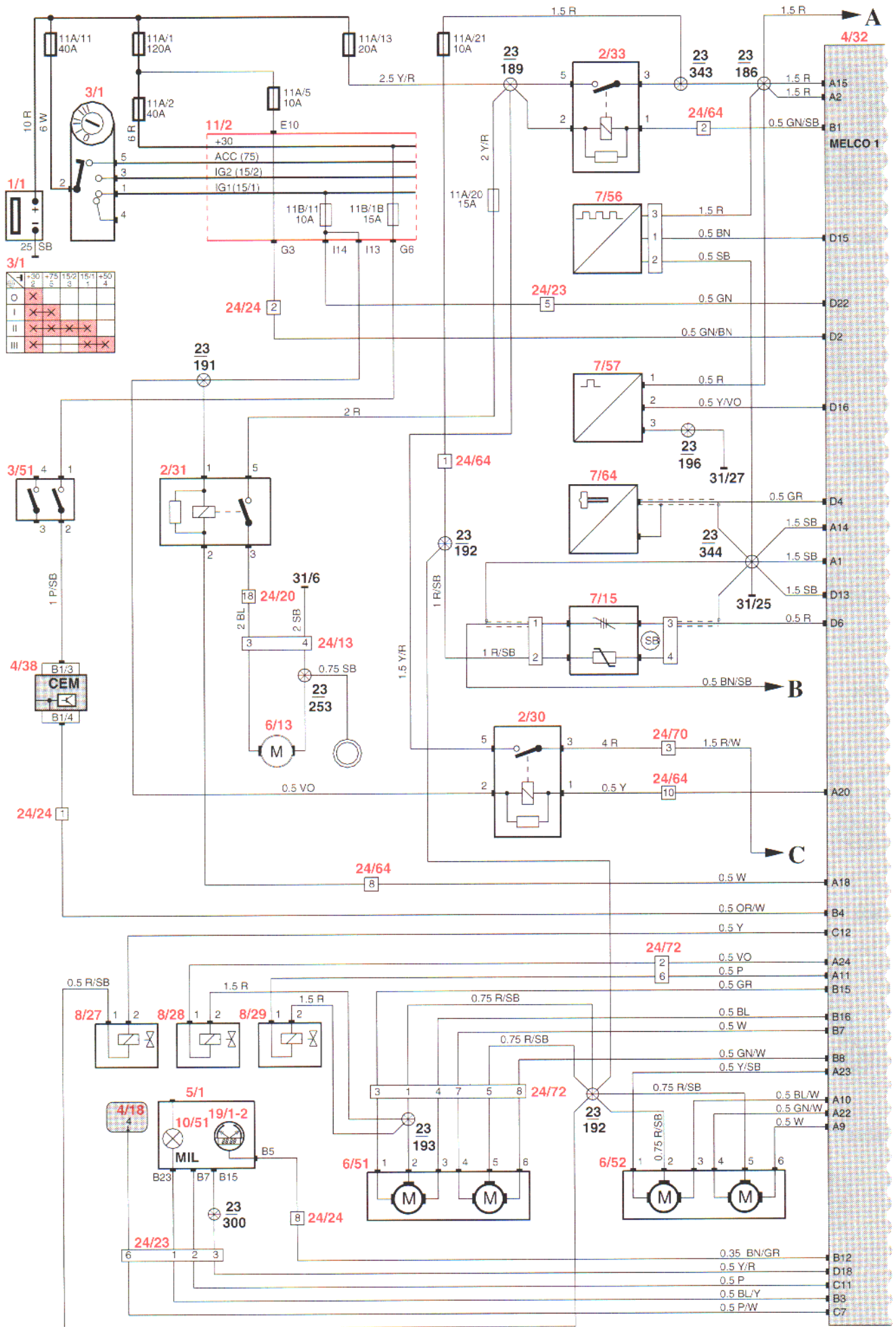
Fuel injection system EMS 2000



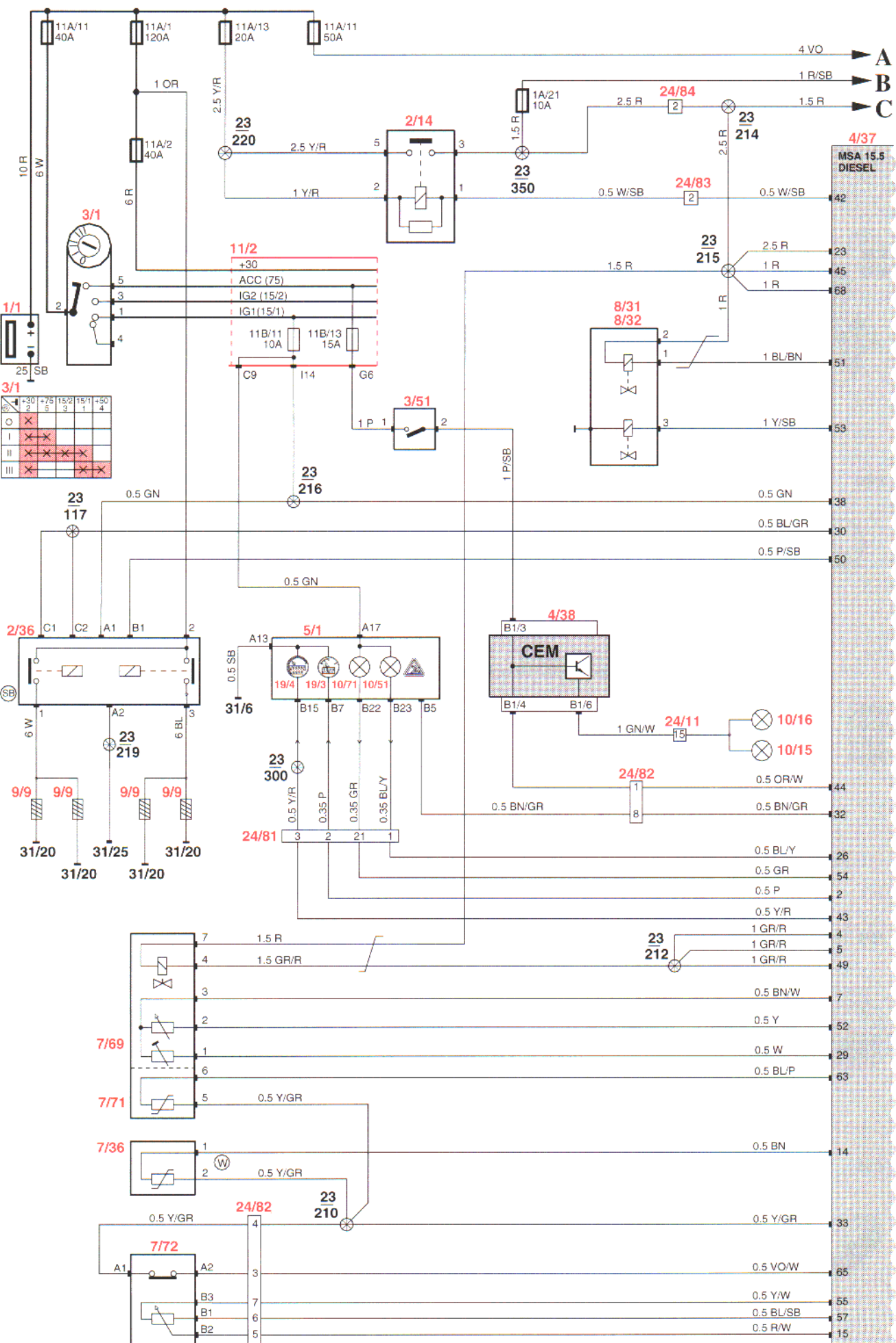
Fuel injection system EMS 2000 Turbo



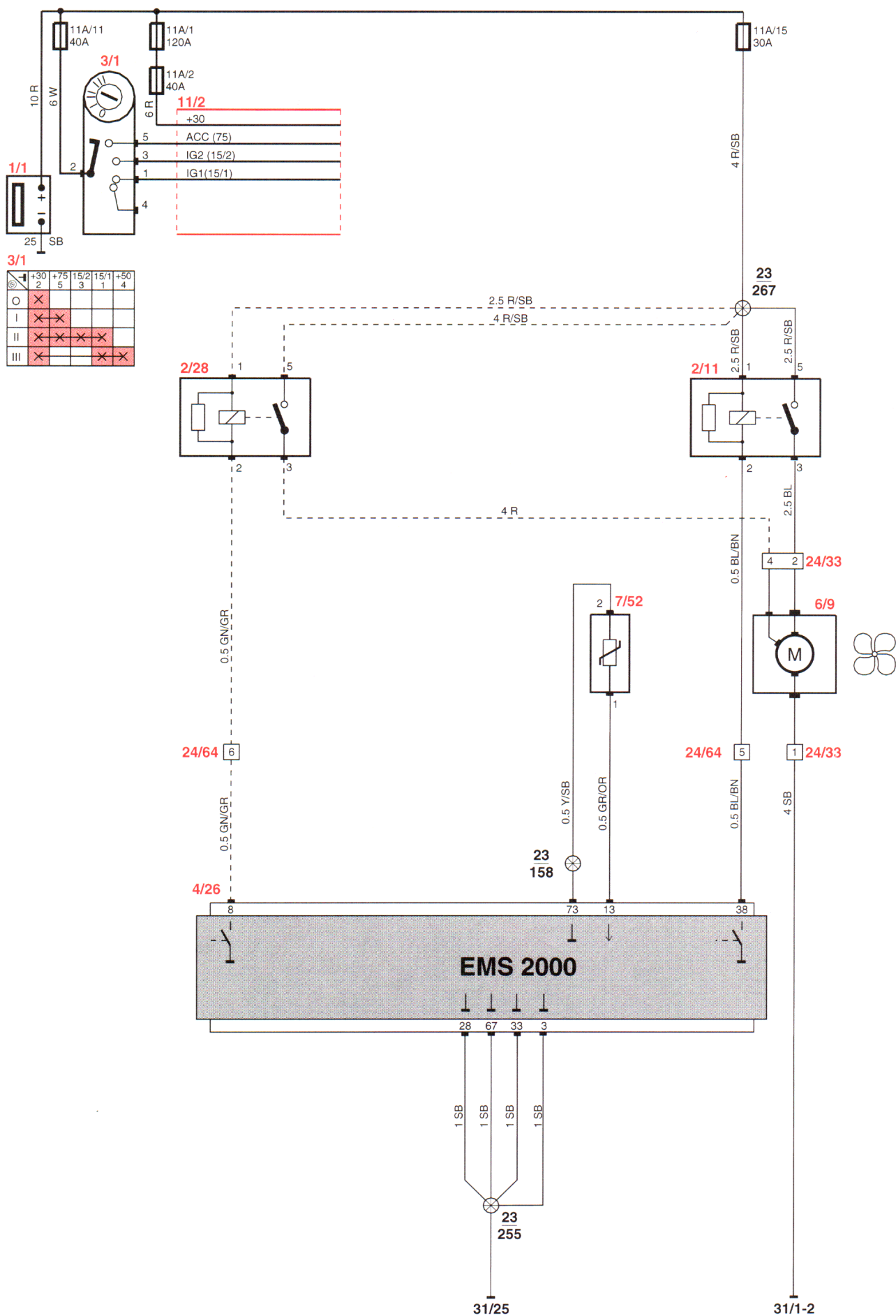
Fuel injection system MELCO 1



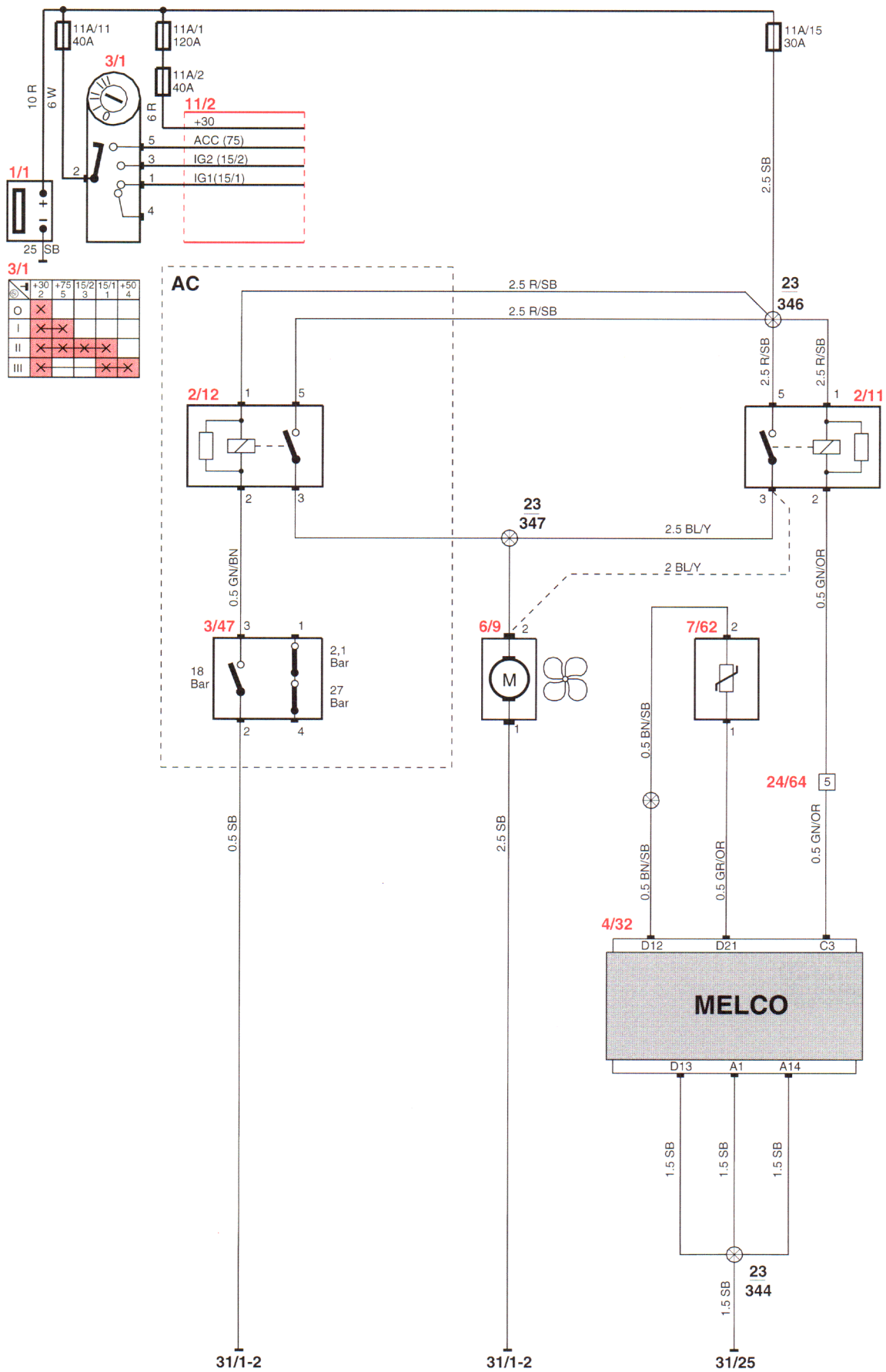
Fuel injection system Diesel



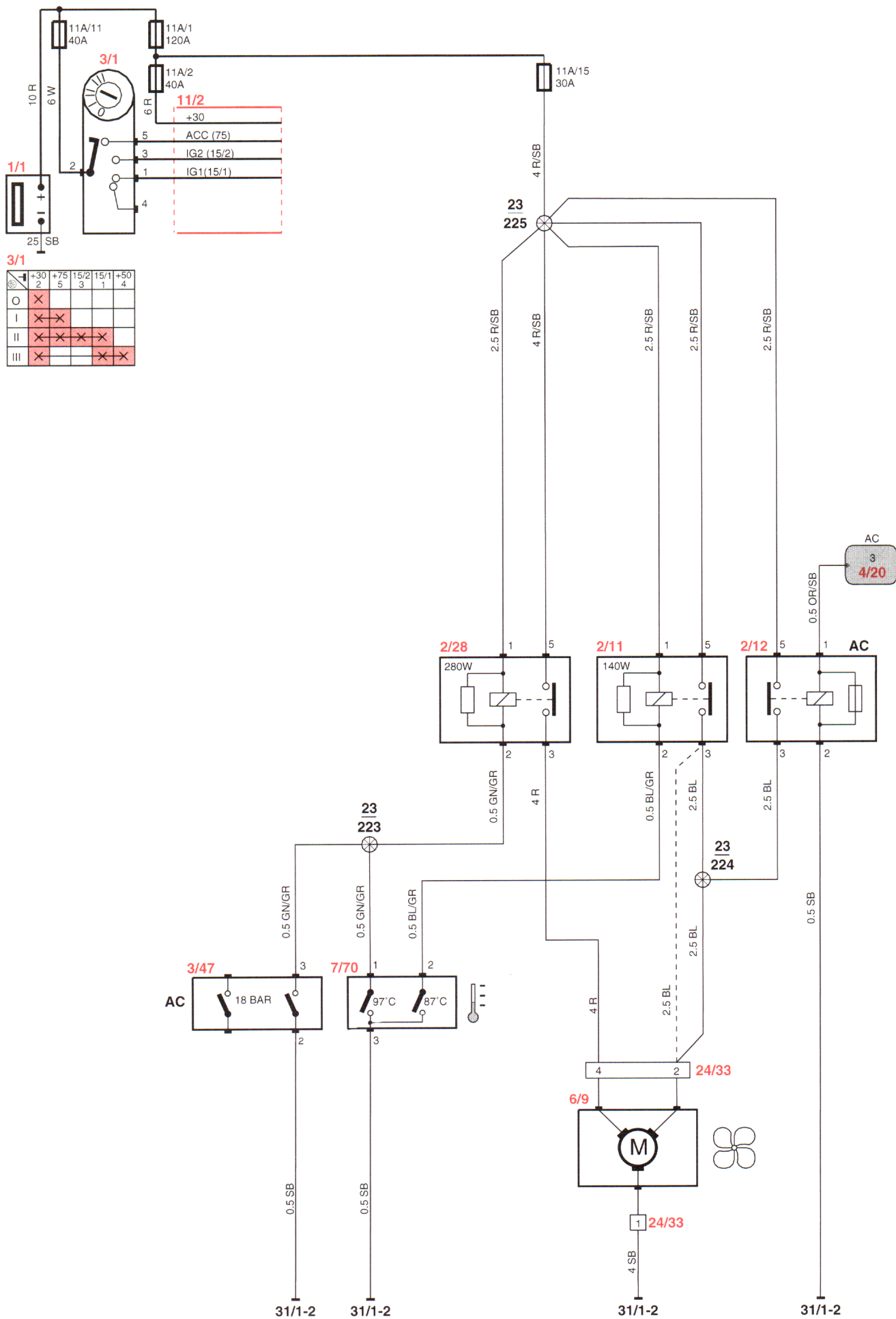
Cooling EMS 2000



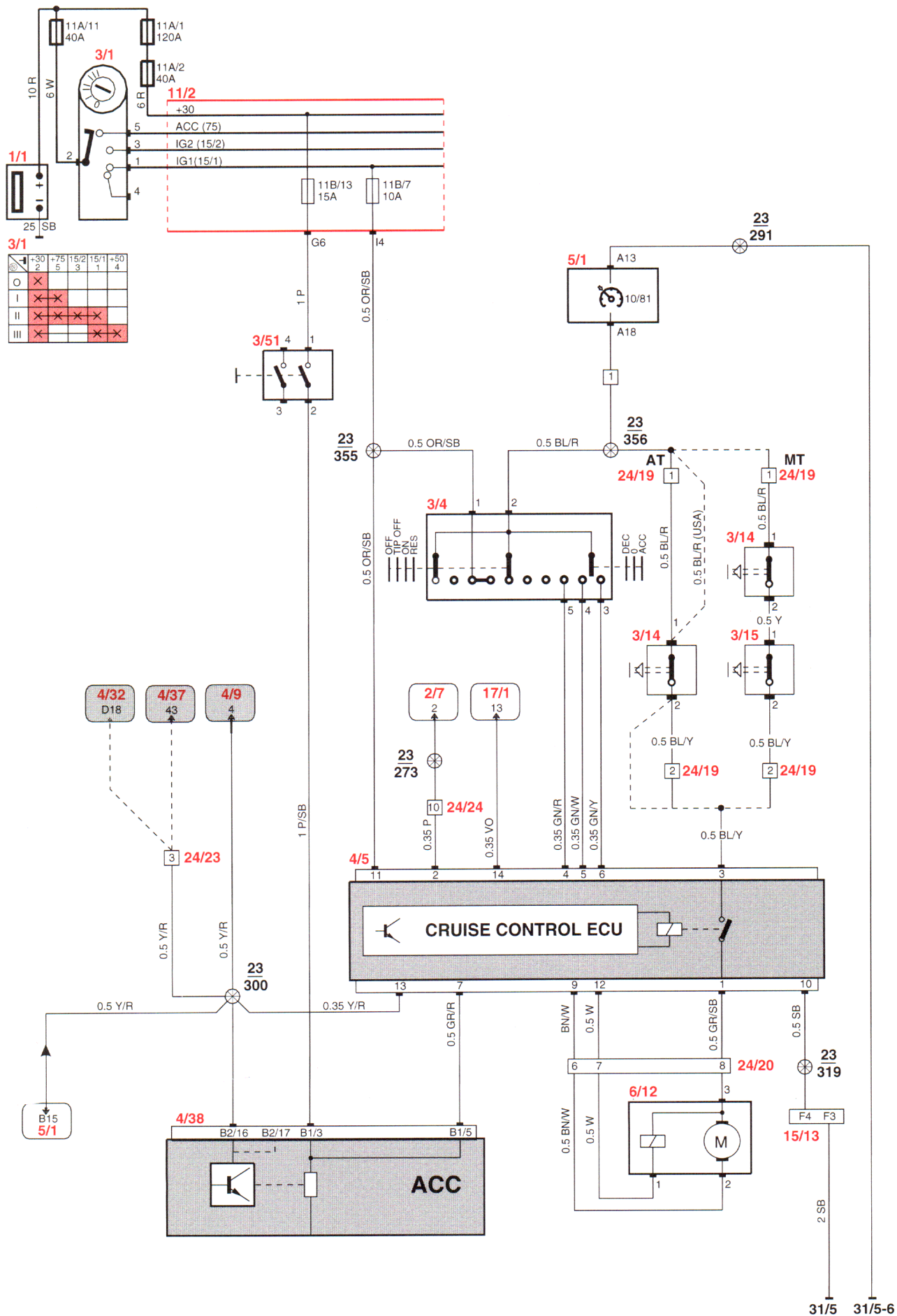
Cooling MELCO 1



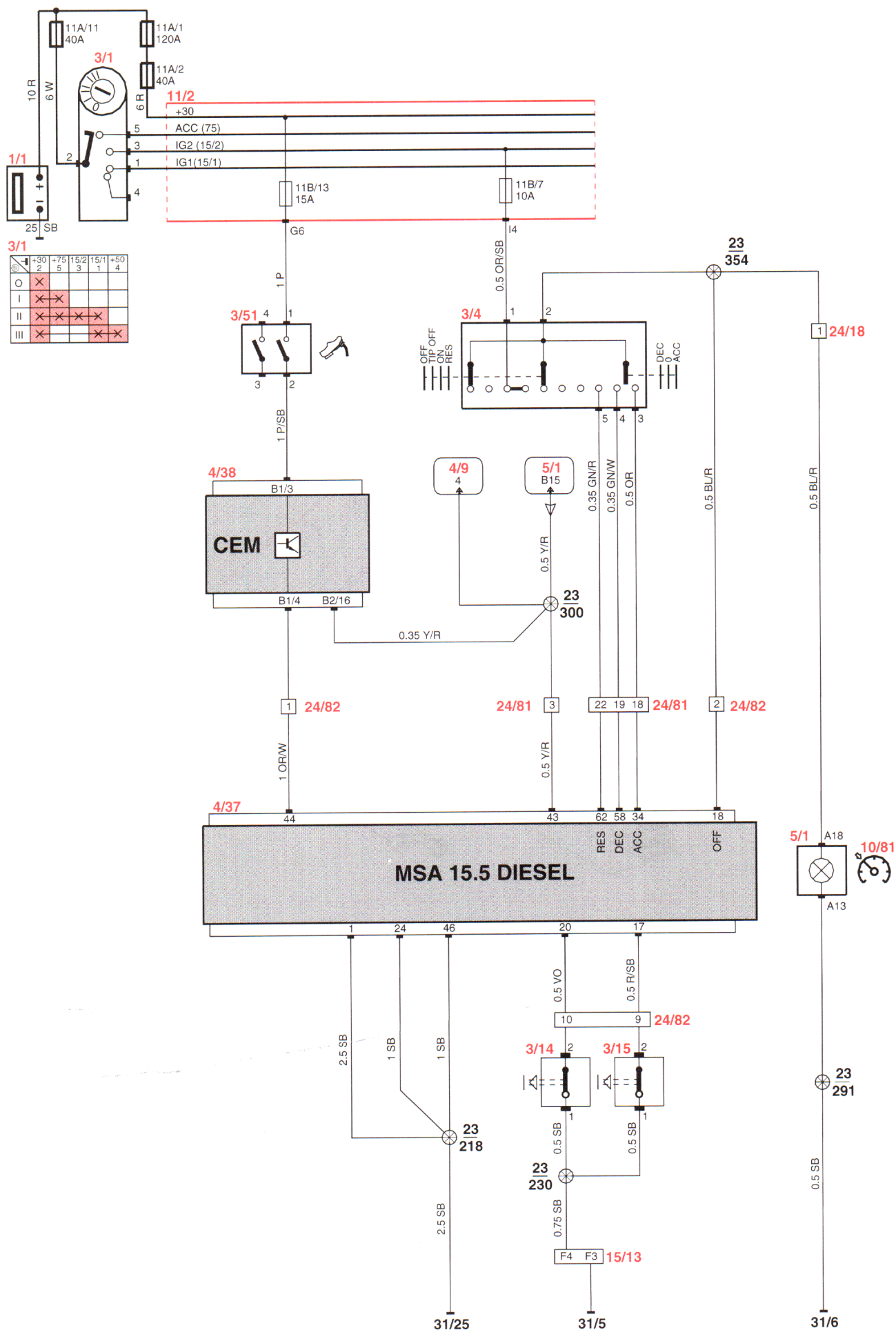
Cooling Diesel



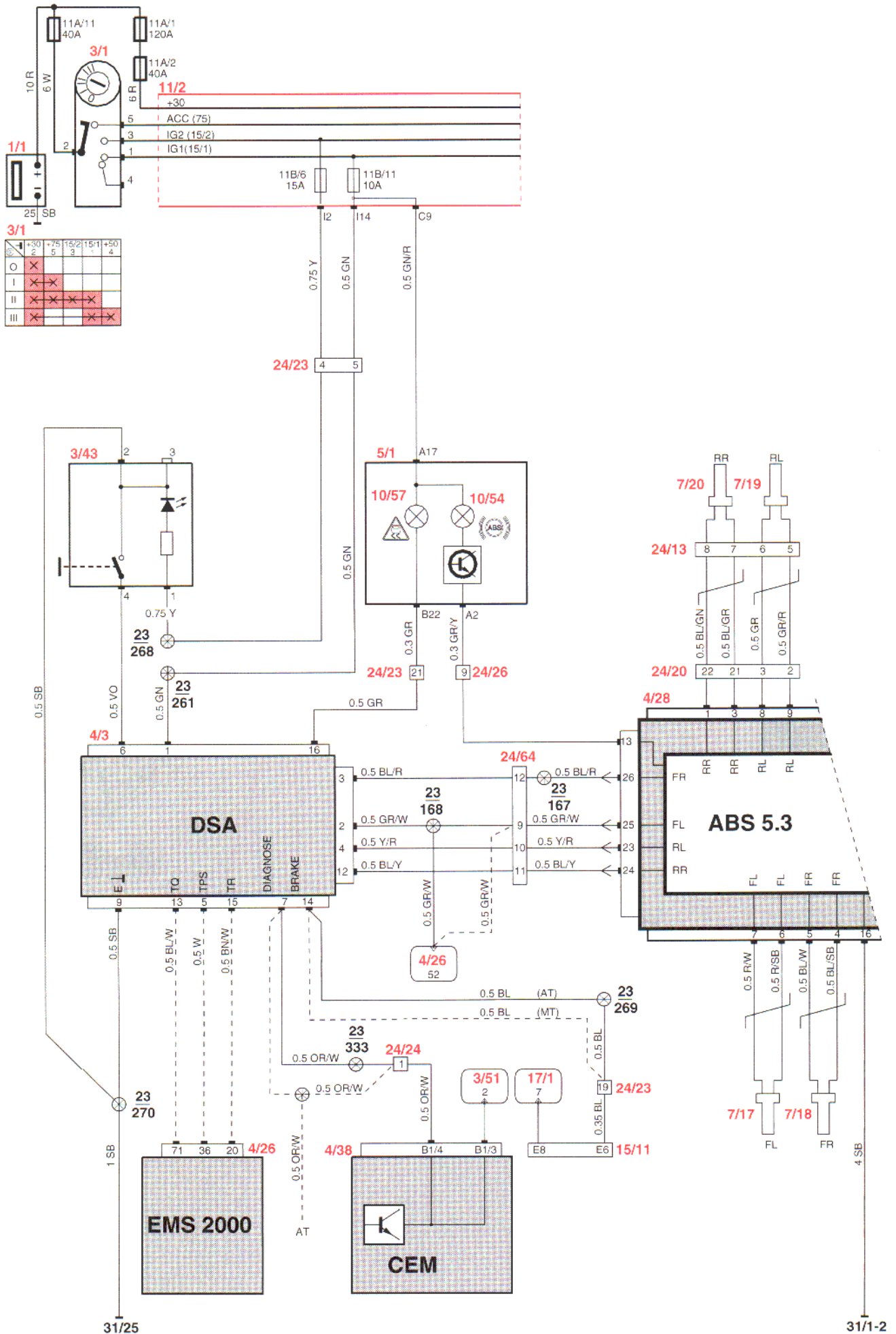
Cruise control Gasoline



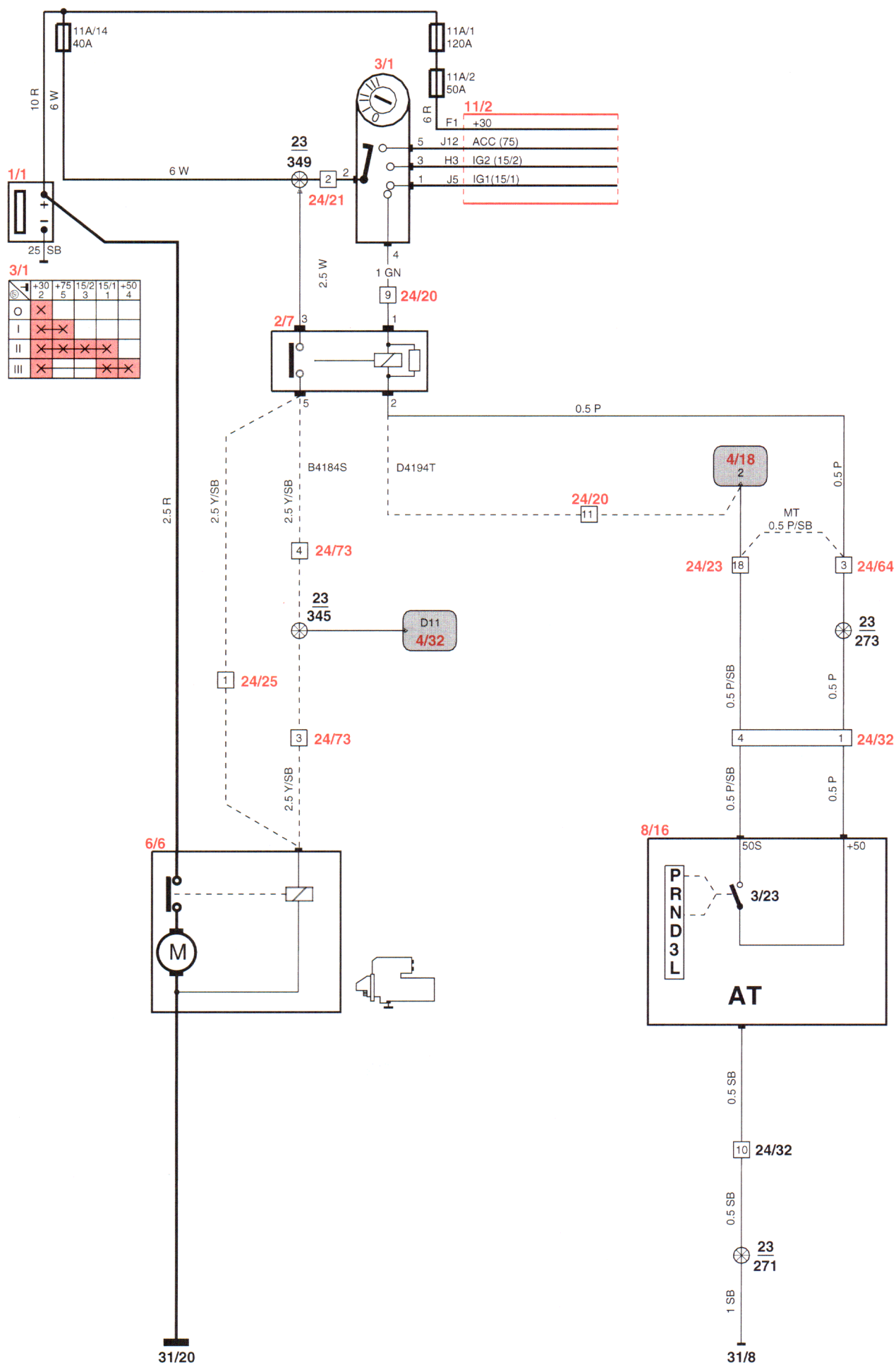
Cruise control Diesel



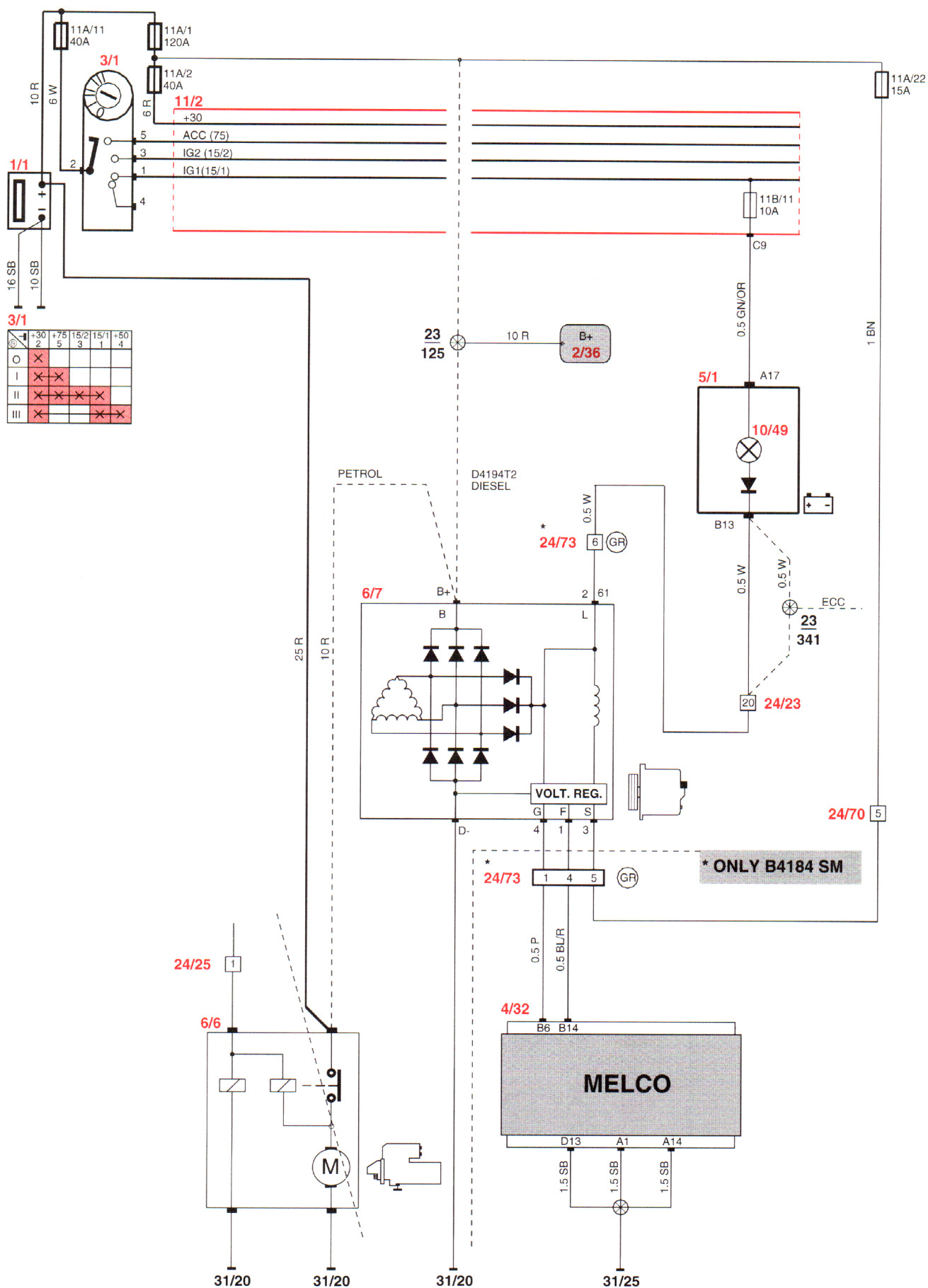
Dynamic stability system (DSA)



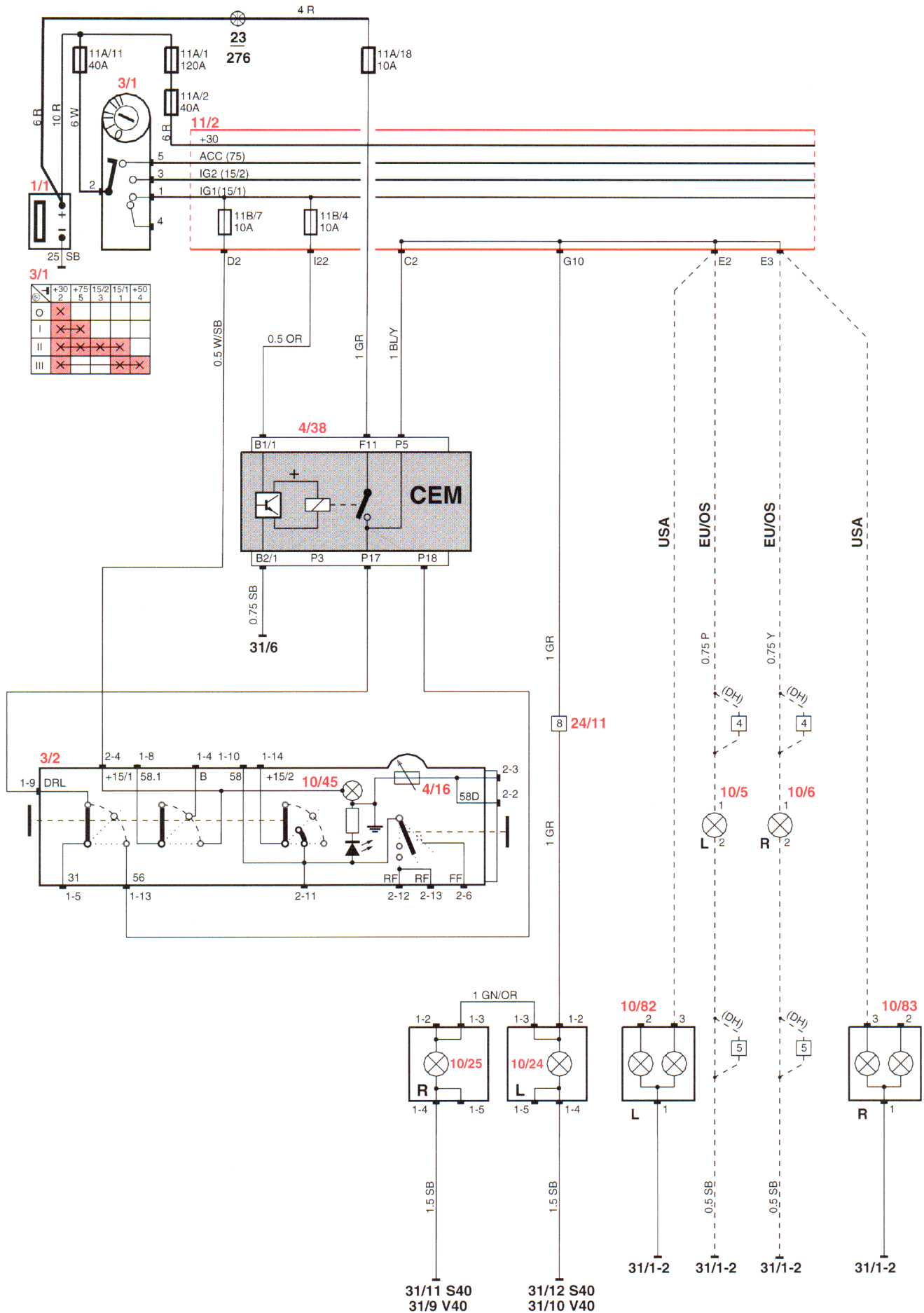
Starter circuit



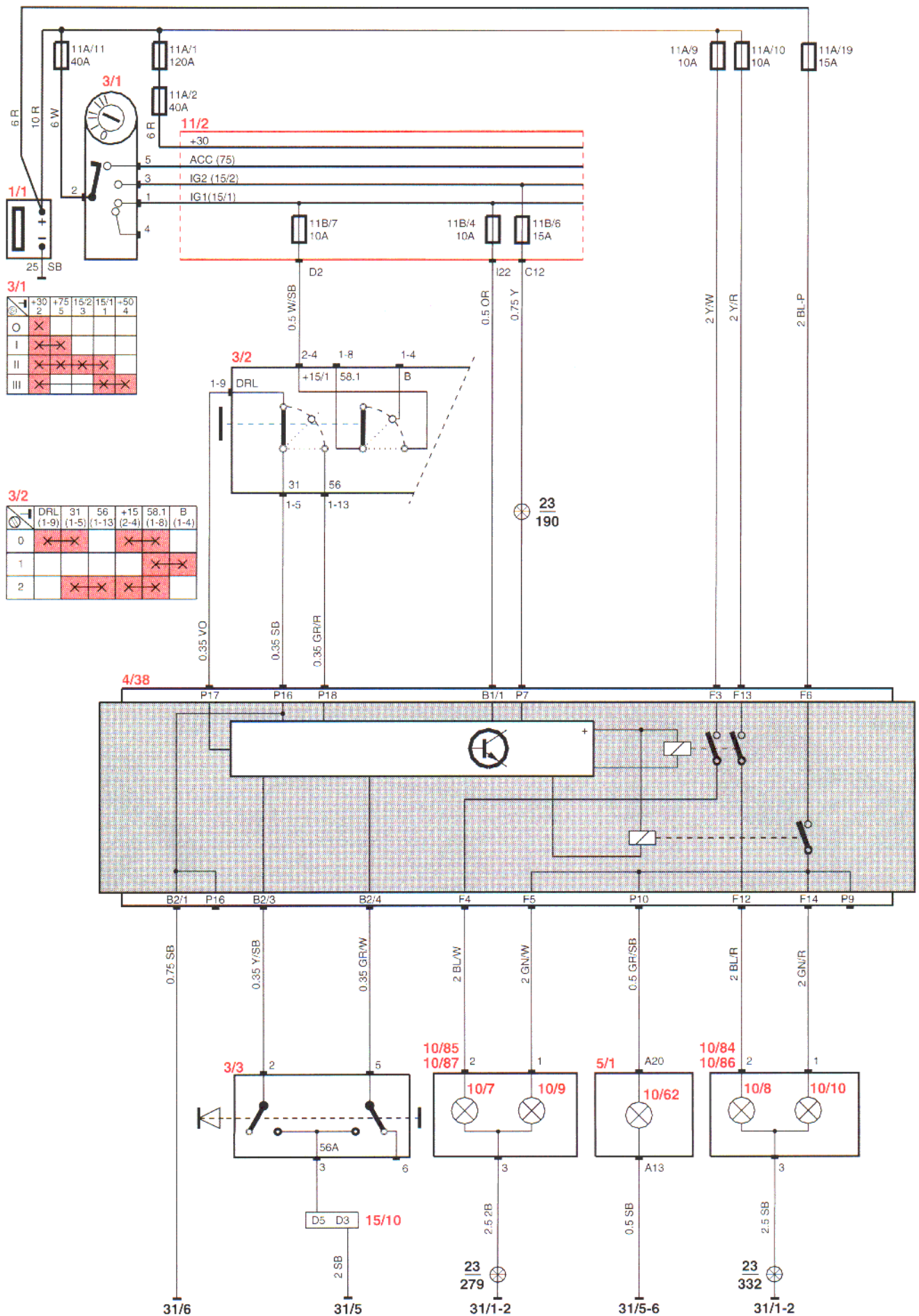
Charging circuit



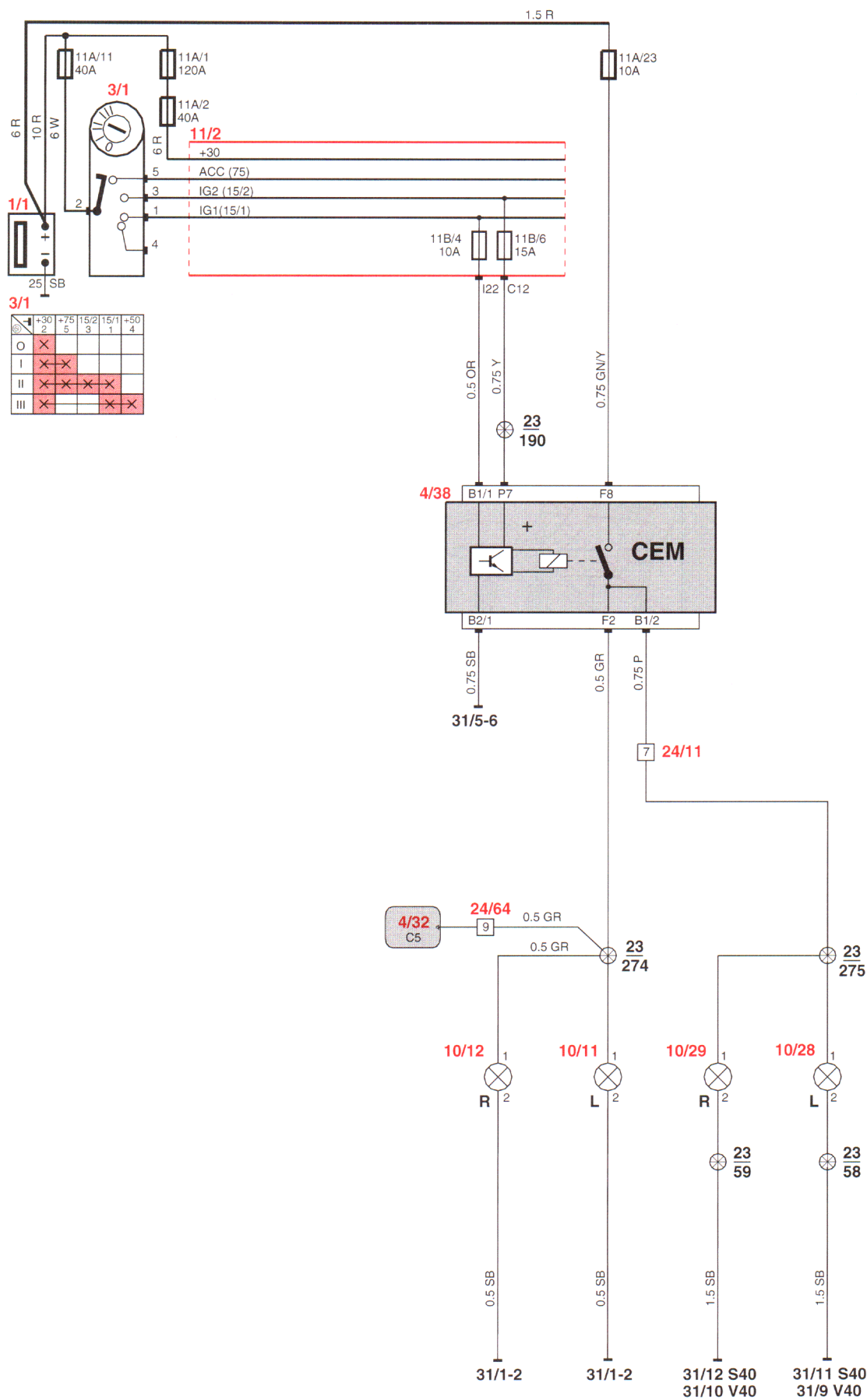
Parking lamps



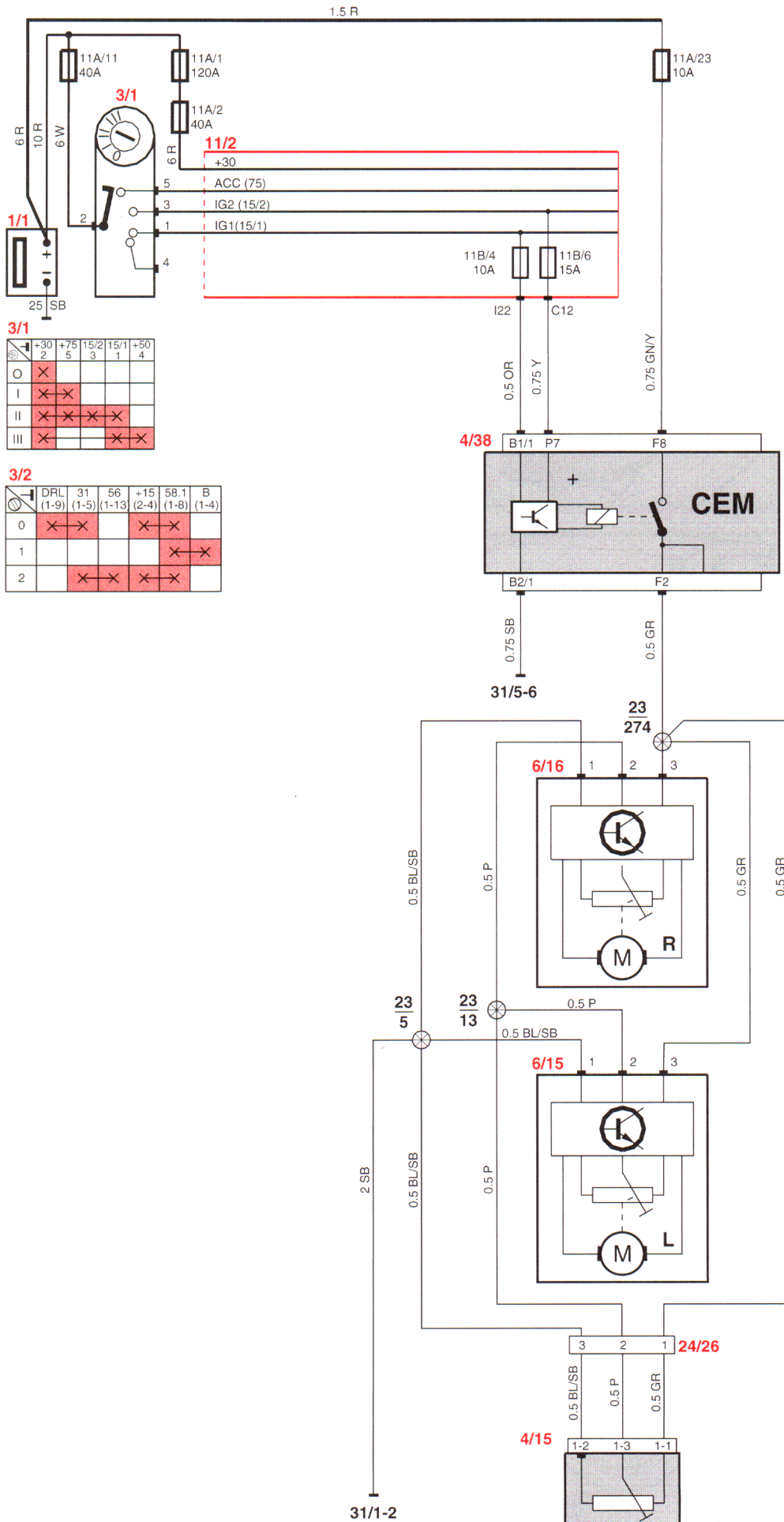
High and low beams



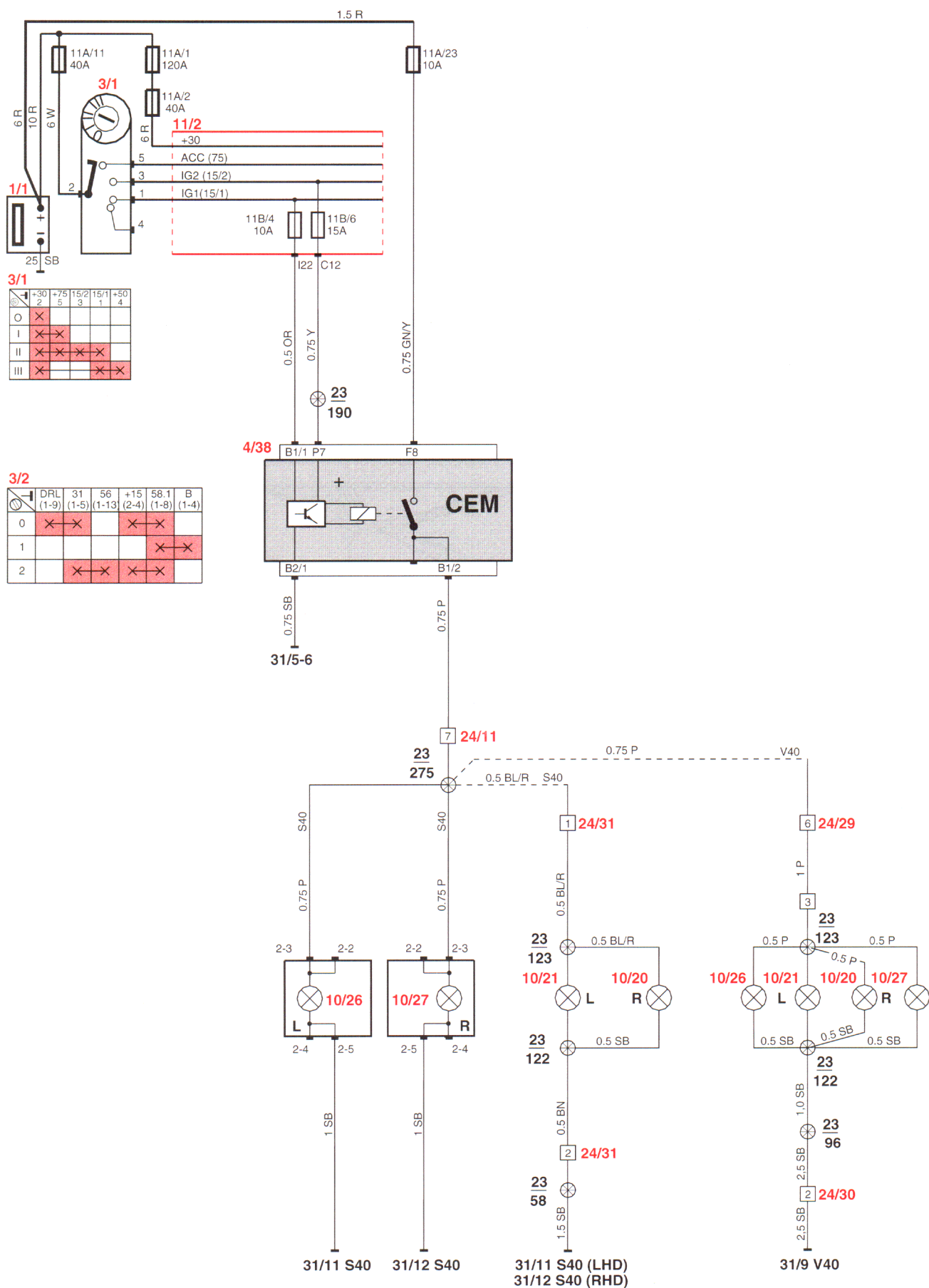
Parking lamps



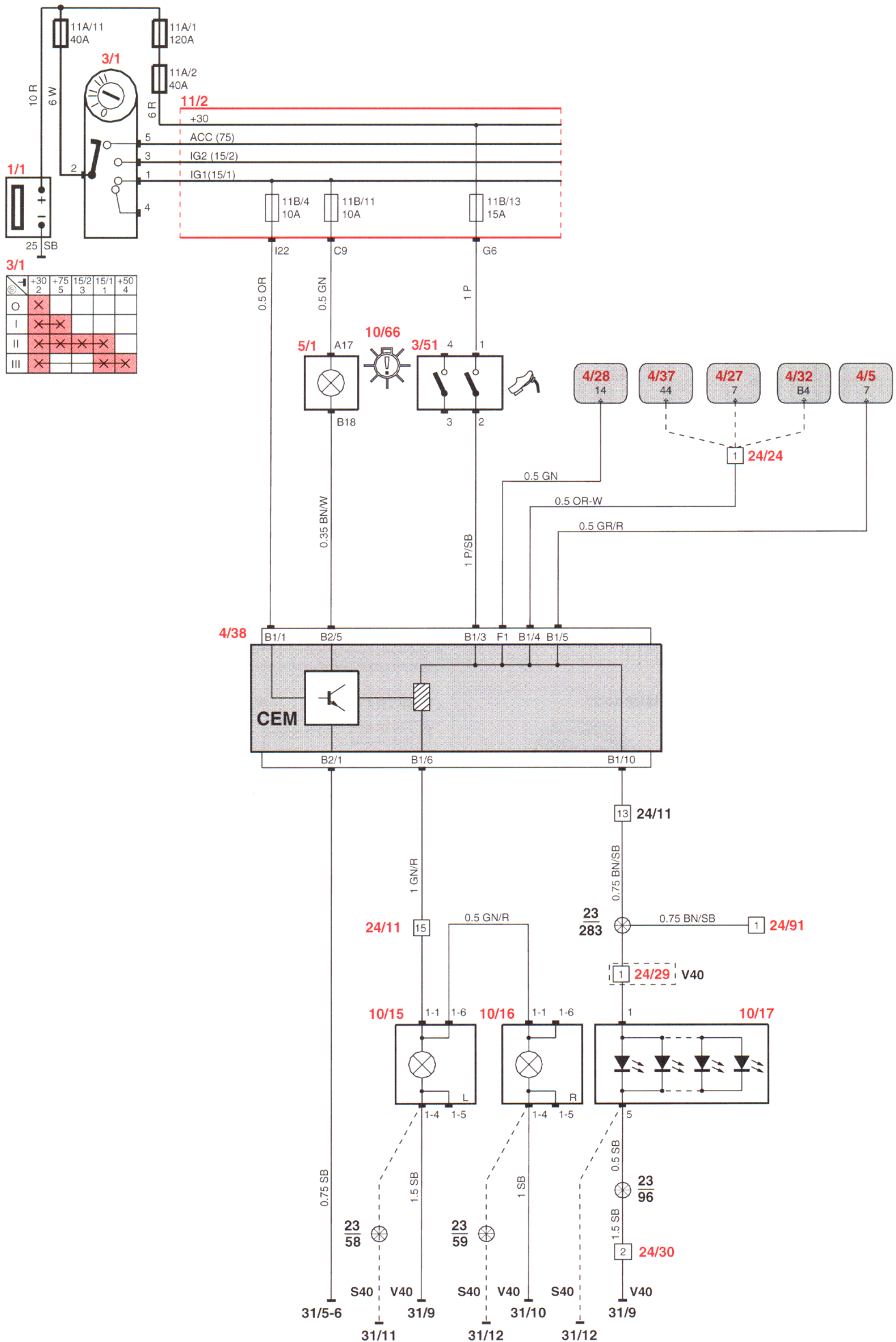
Headlamp alignment



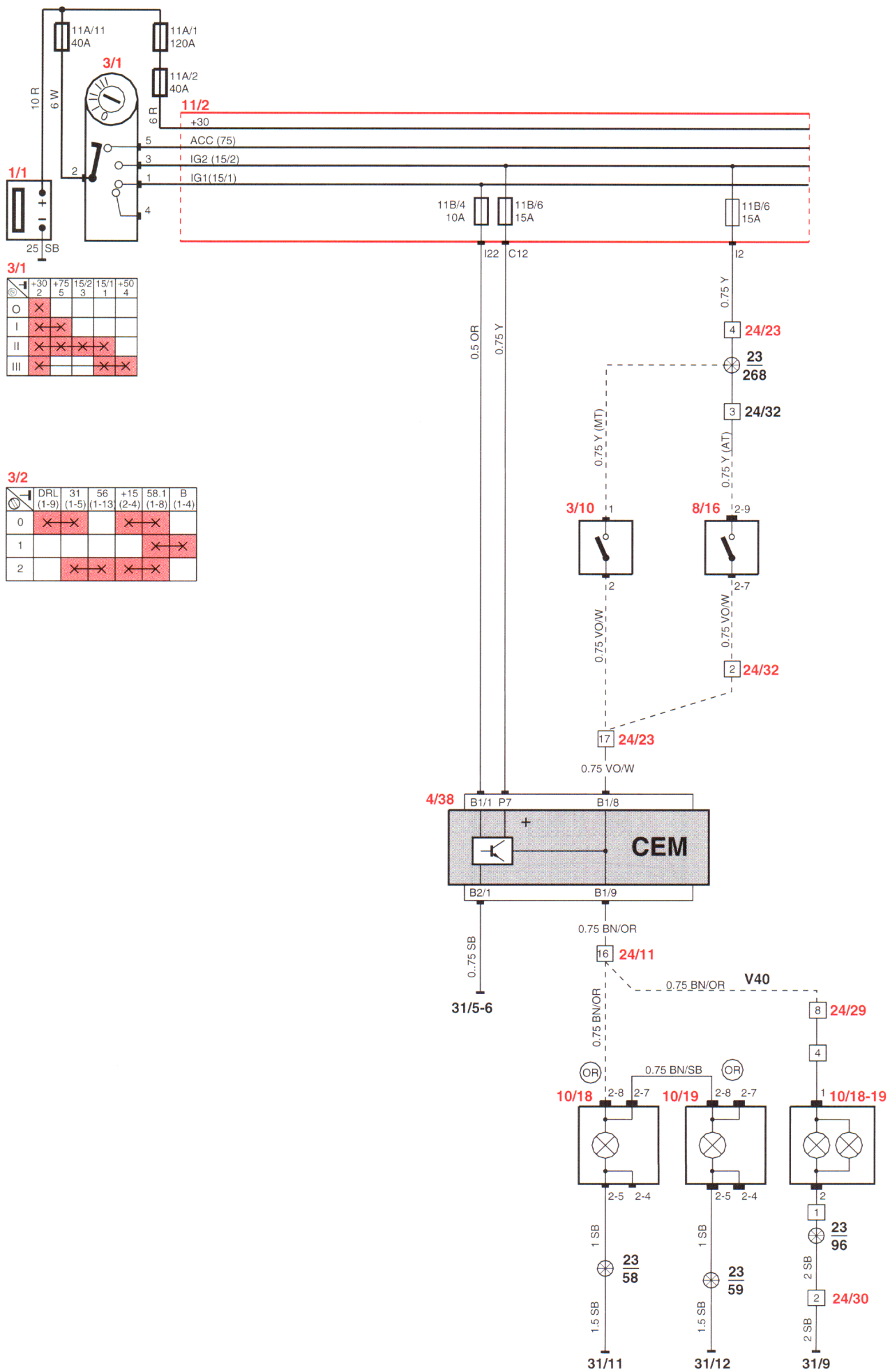
Tail lighting and license plate lighting



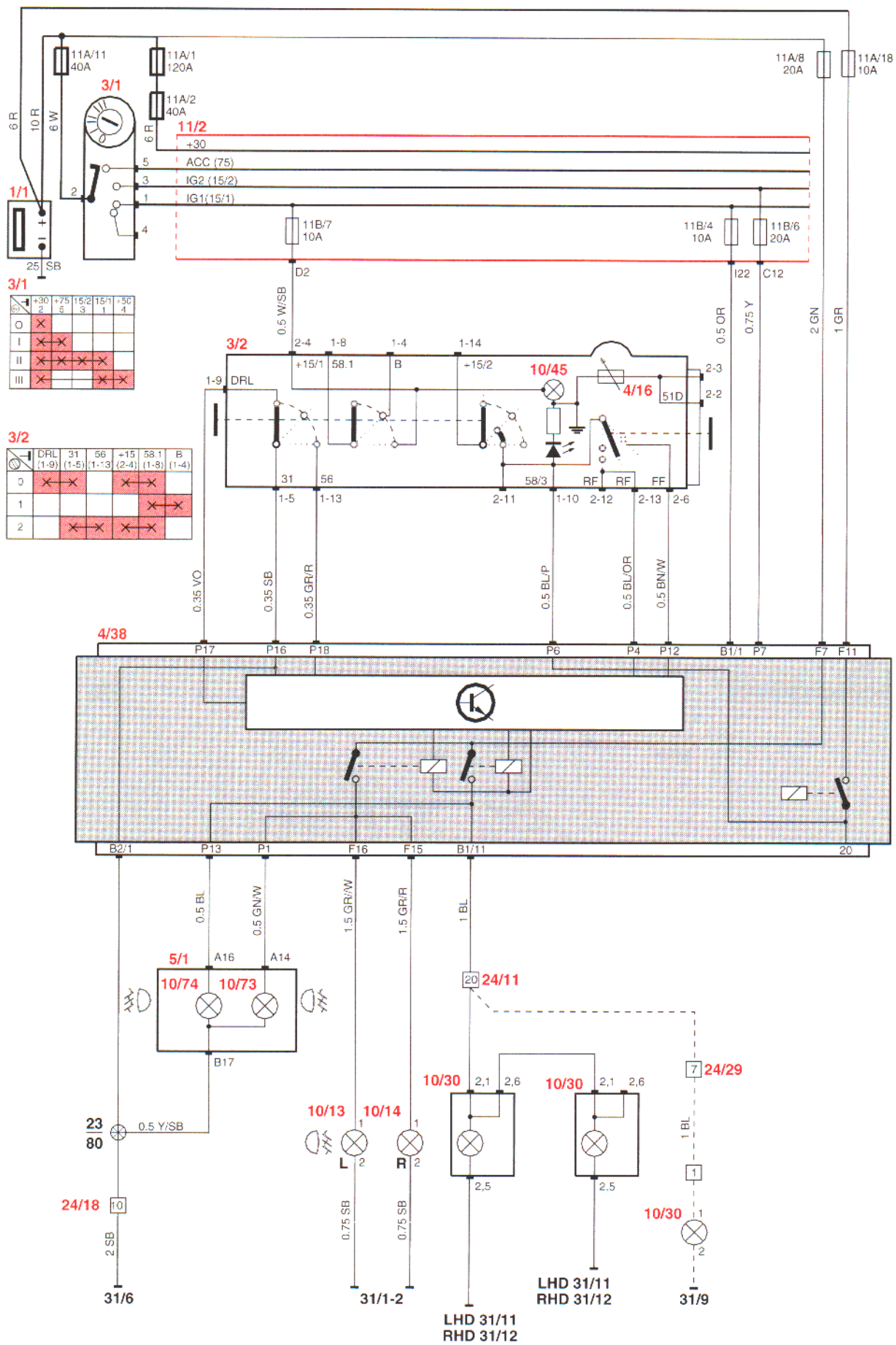
Stop (brake) lamps and bulb failure warning sensor



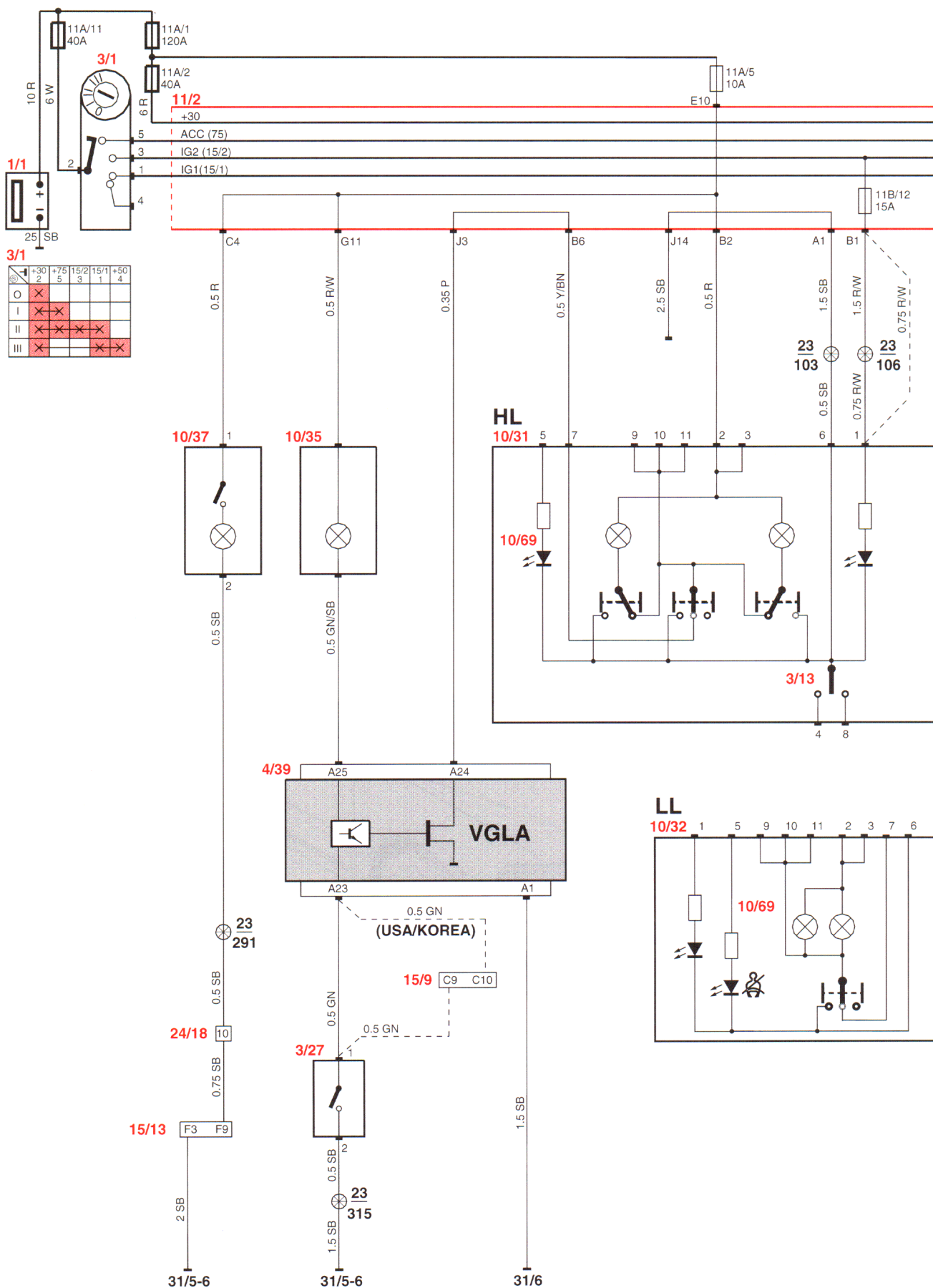
Back-up (reversing) lamps



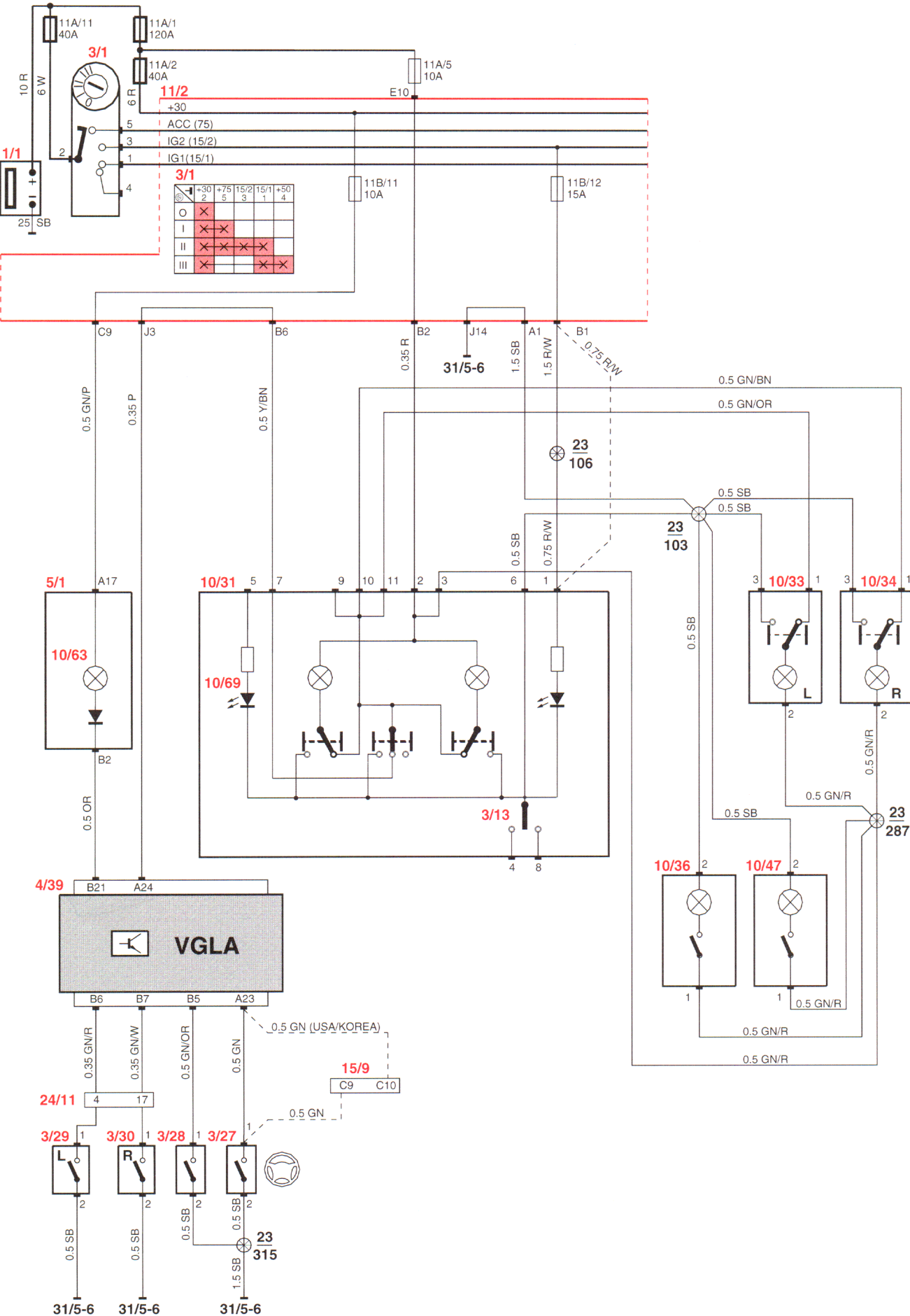
Fog lamps



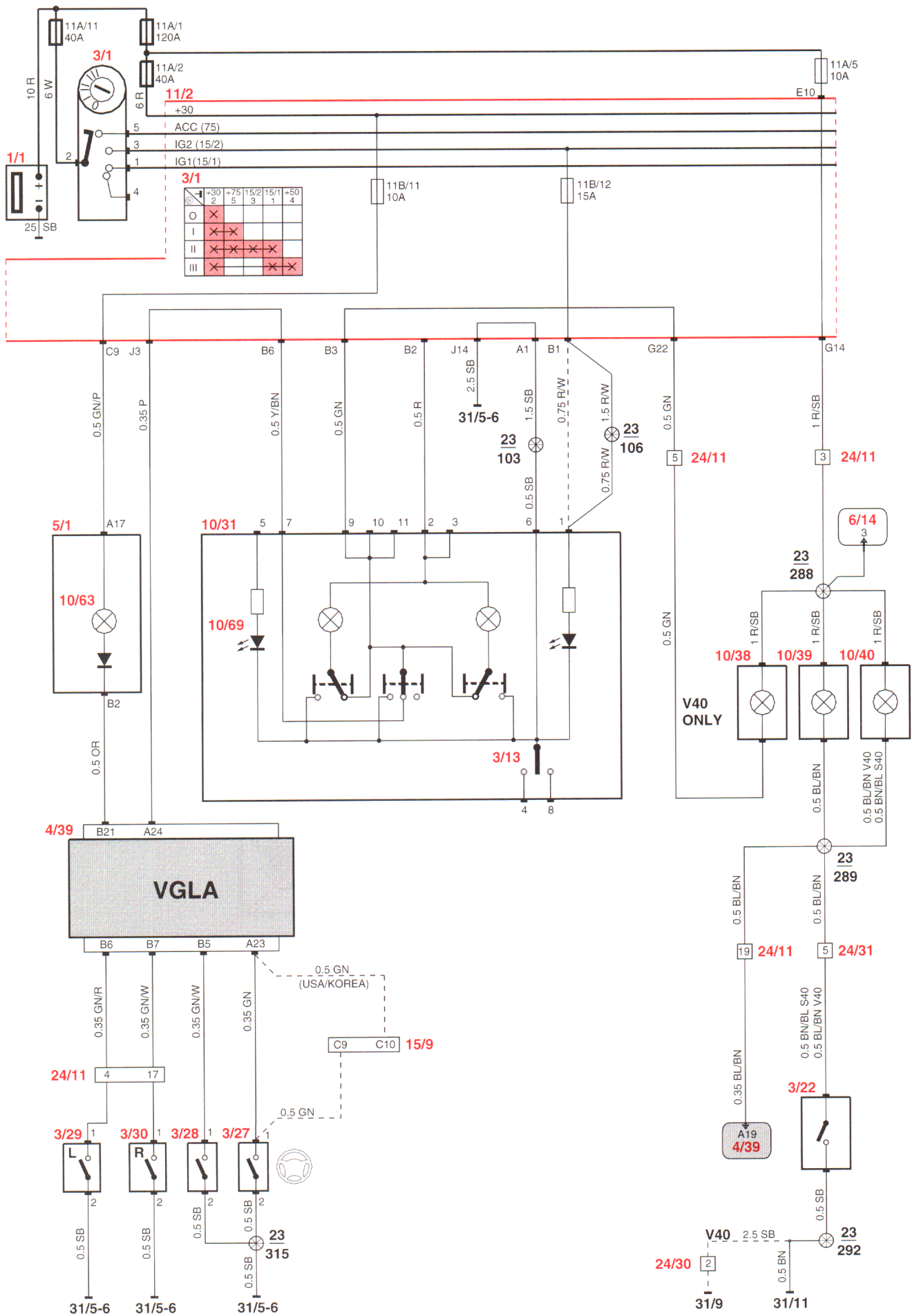
Glove compartment and courtesy lighting



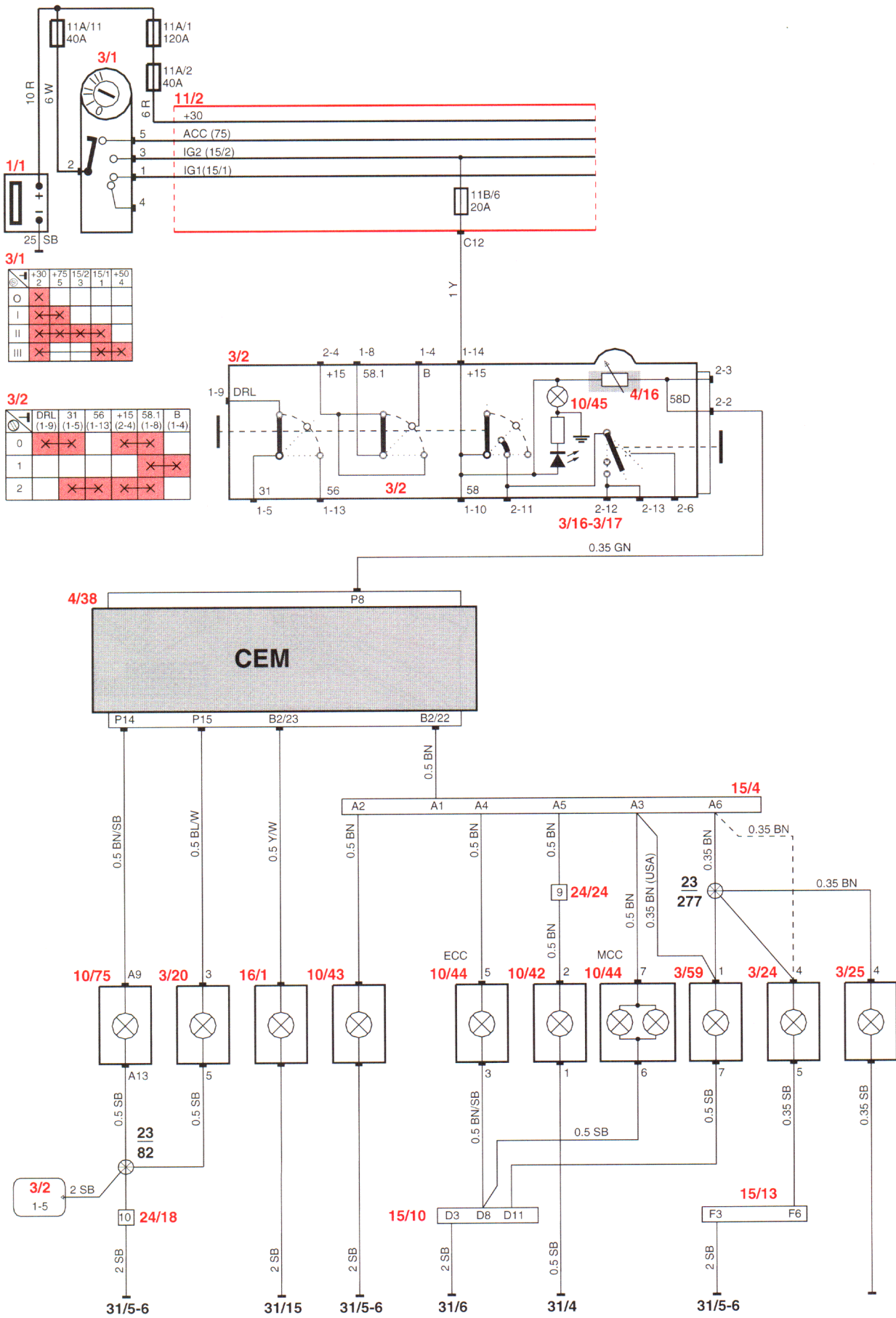
Interior lighting



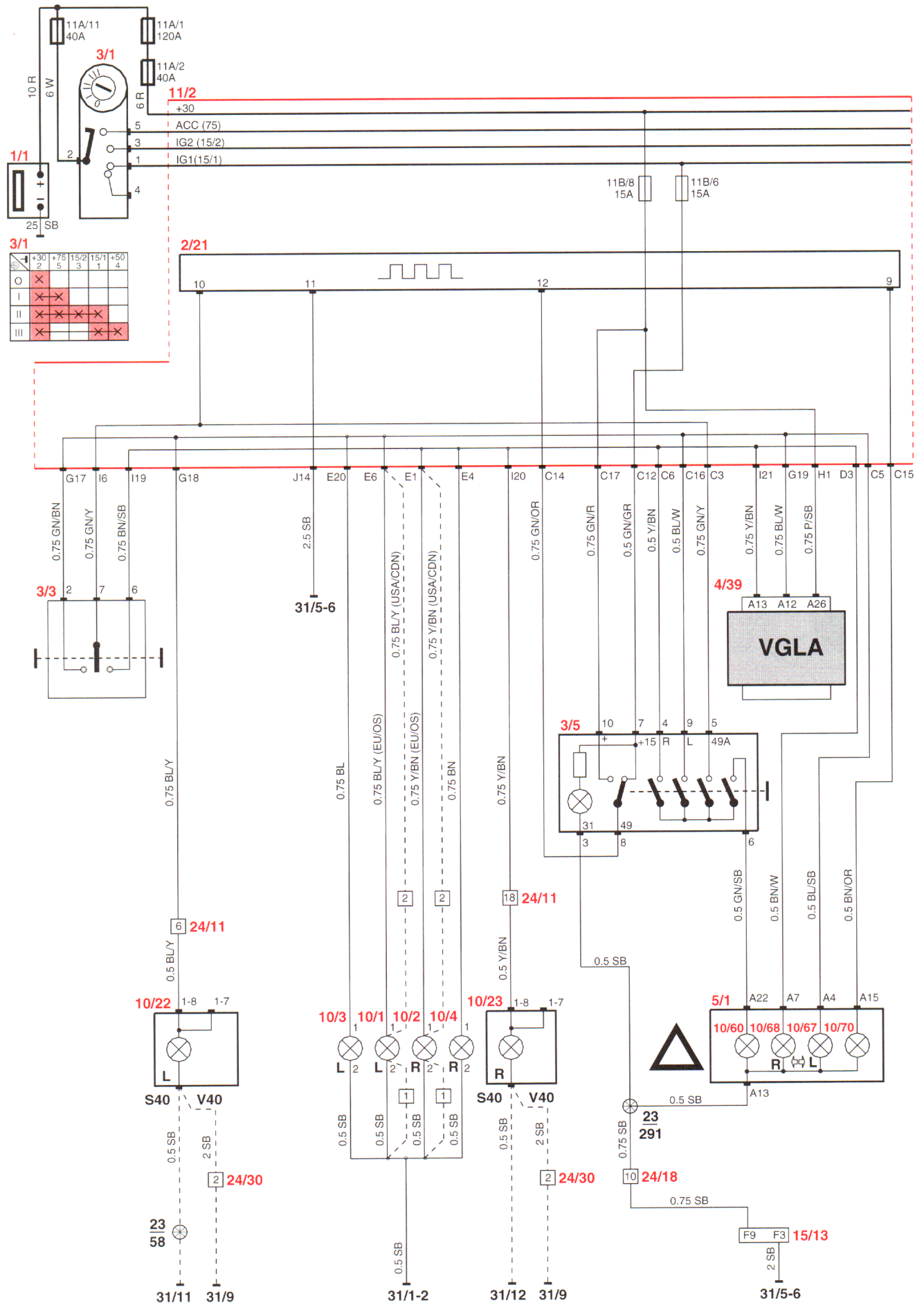
Cargo compartment and tailgate lighting



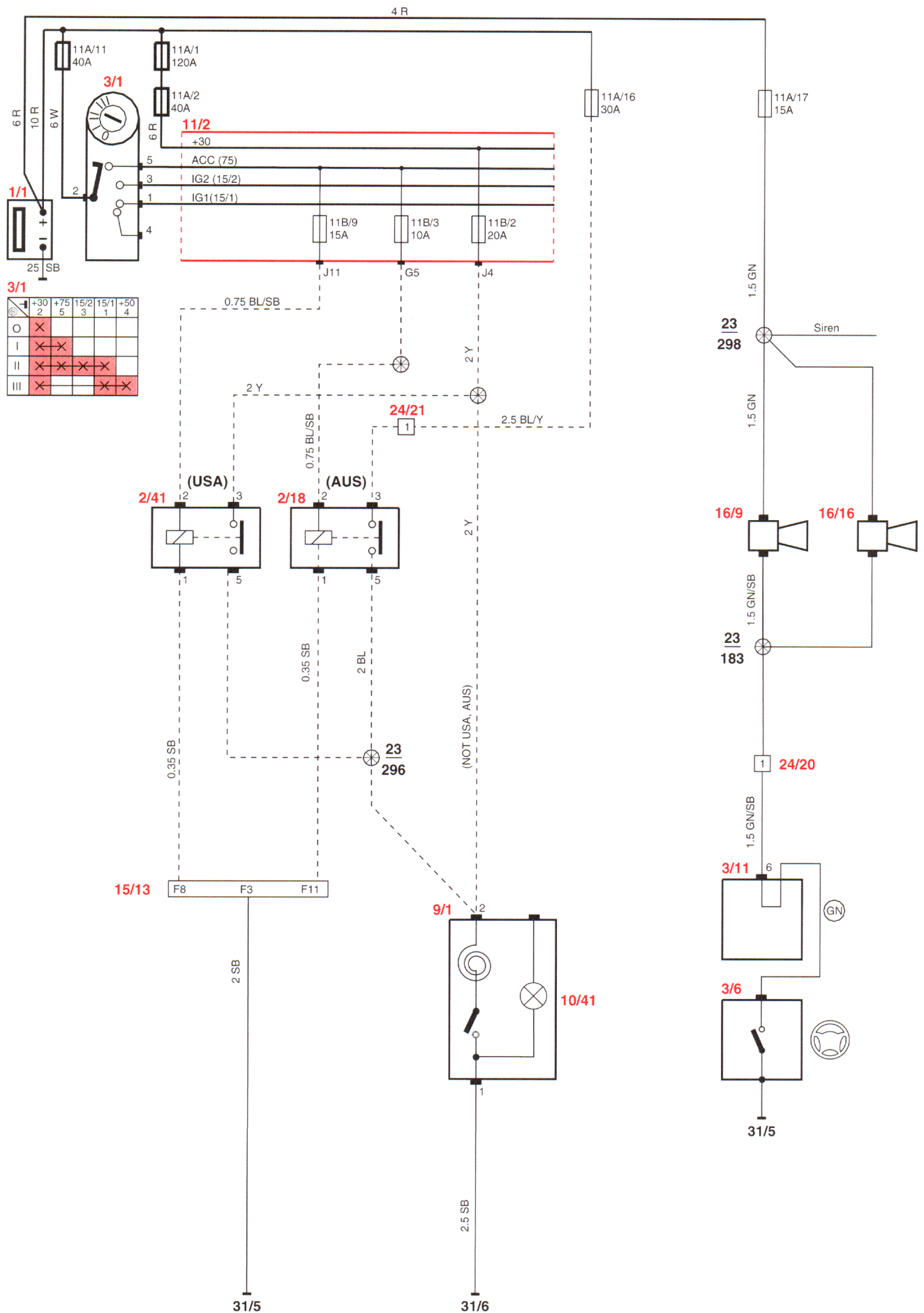
Dimmer



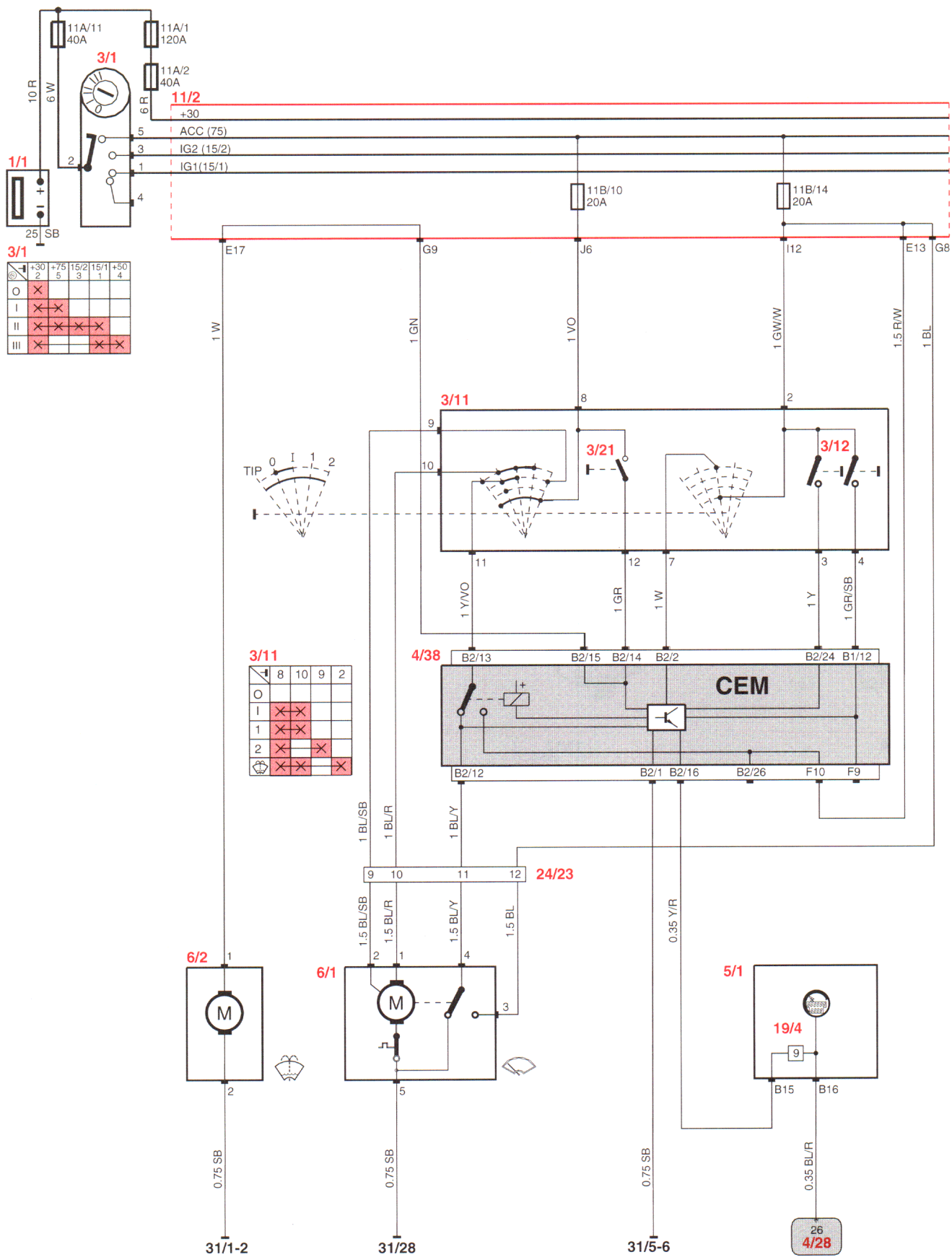
Turn signal lamps/hazard warning signal flashers



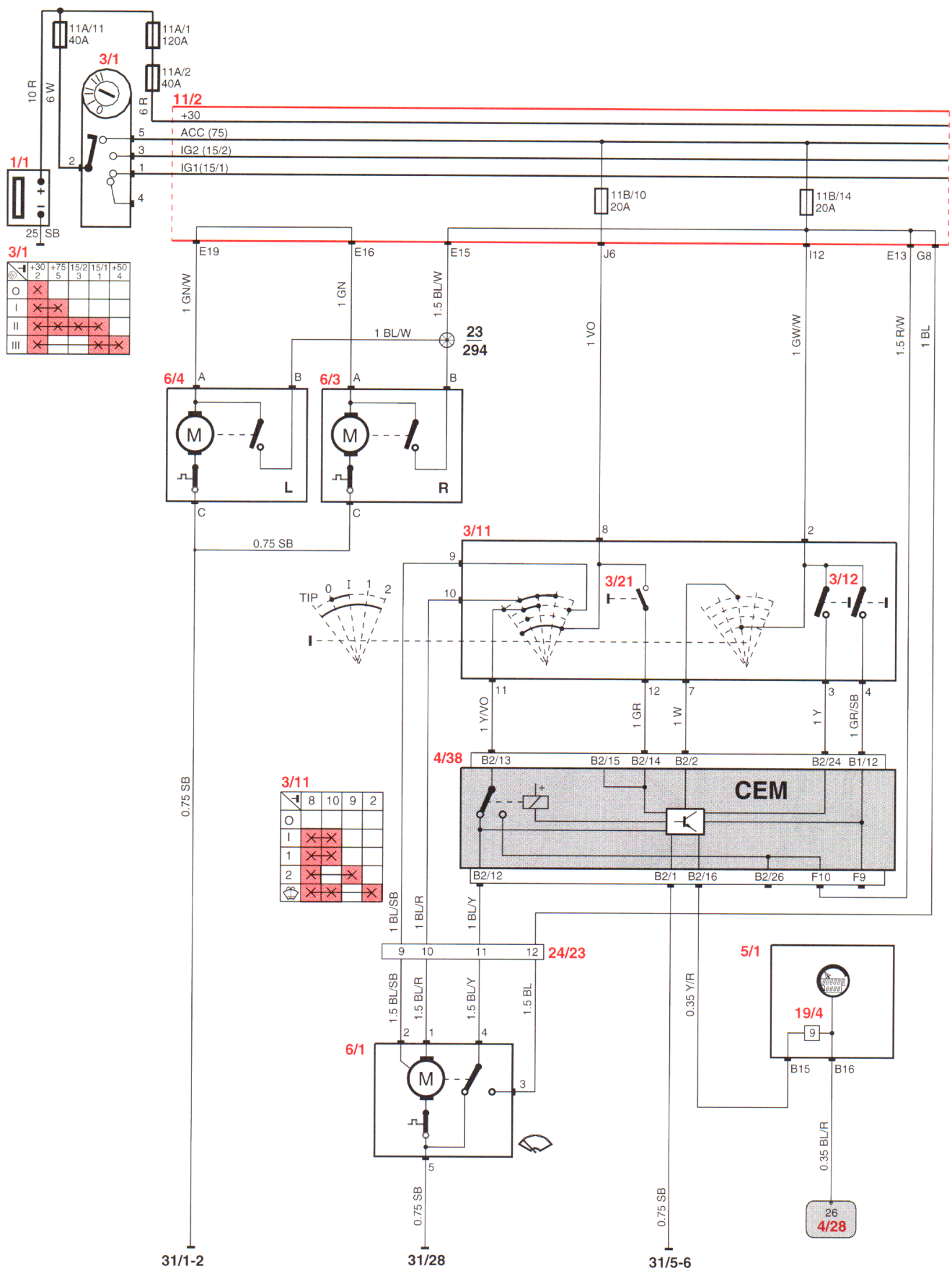
Cigarette lighter and horn



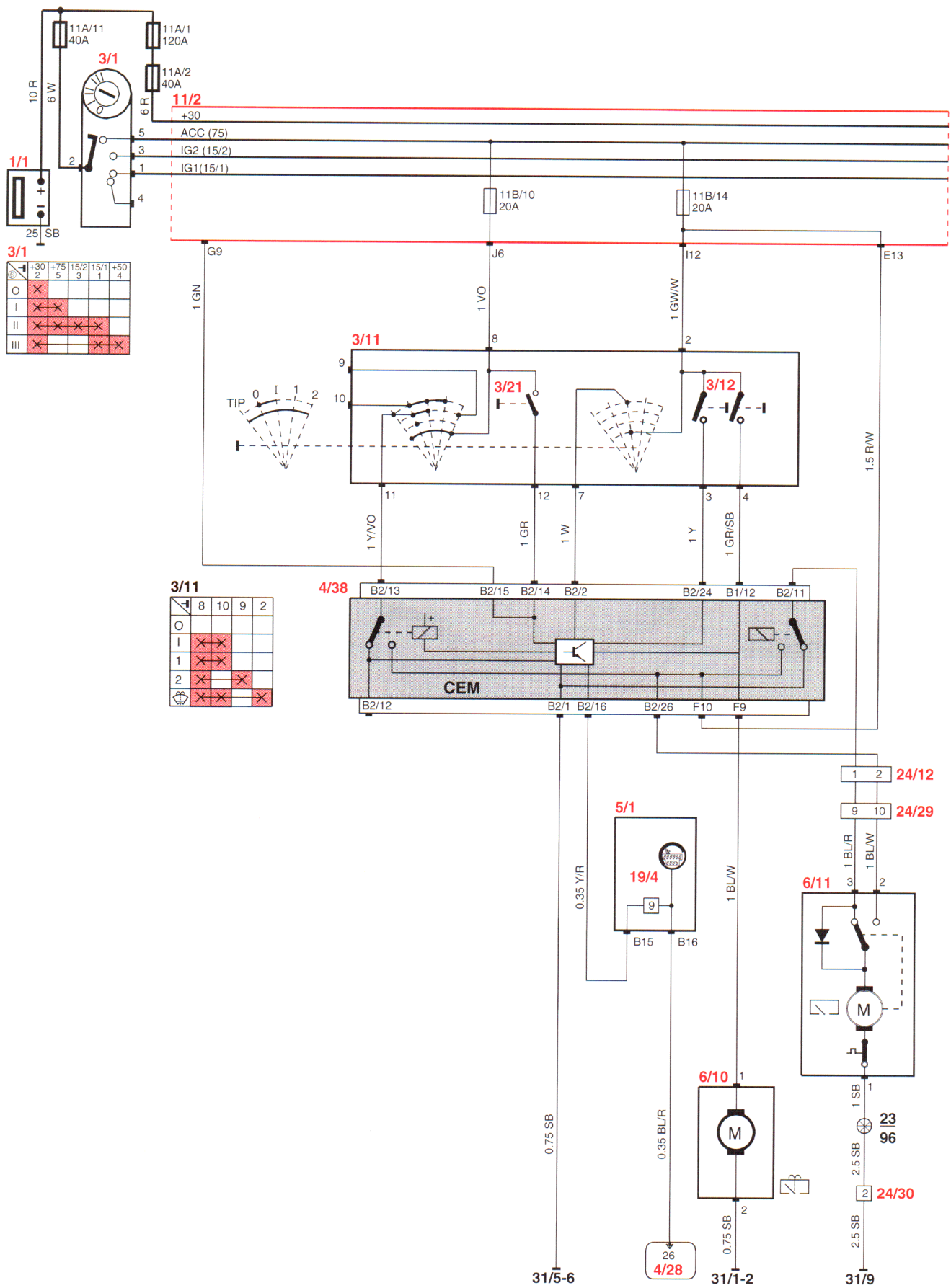
Windshield wiper and windshield washer



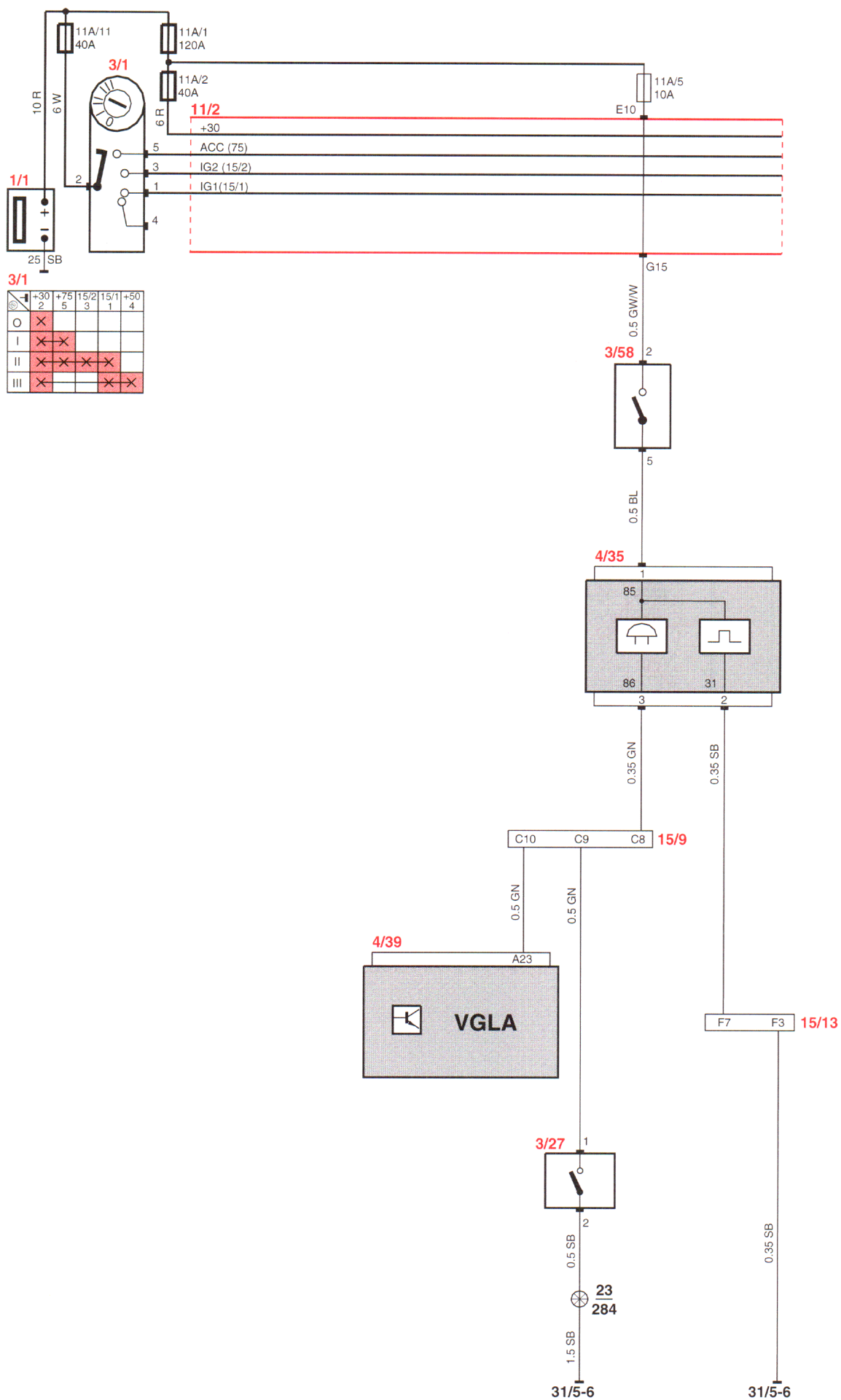
Headlamp wiper



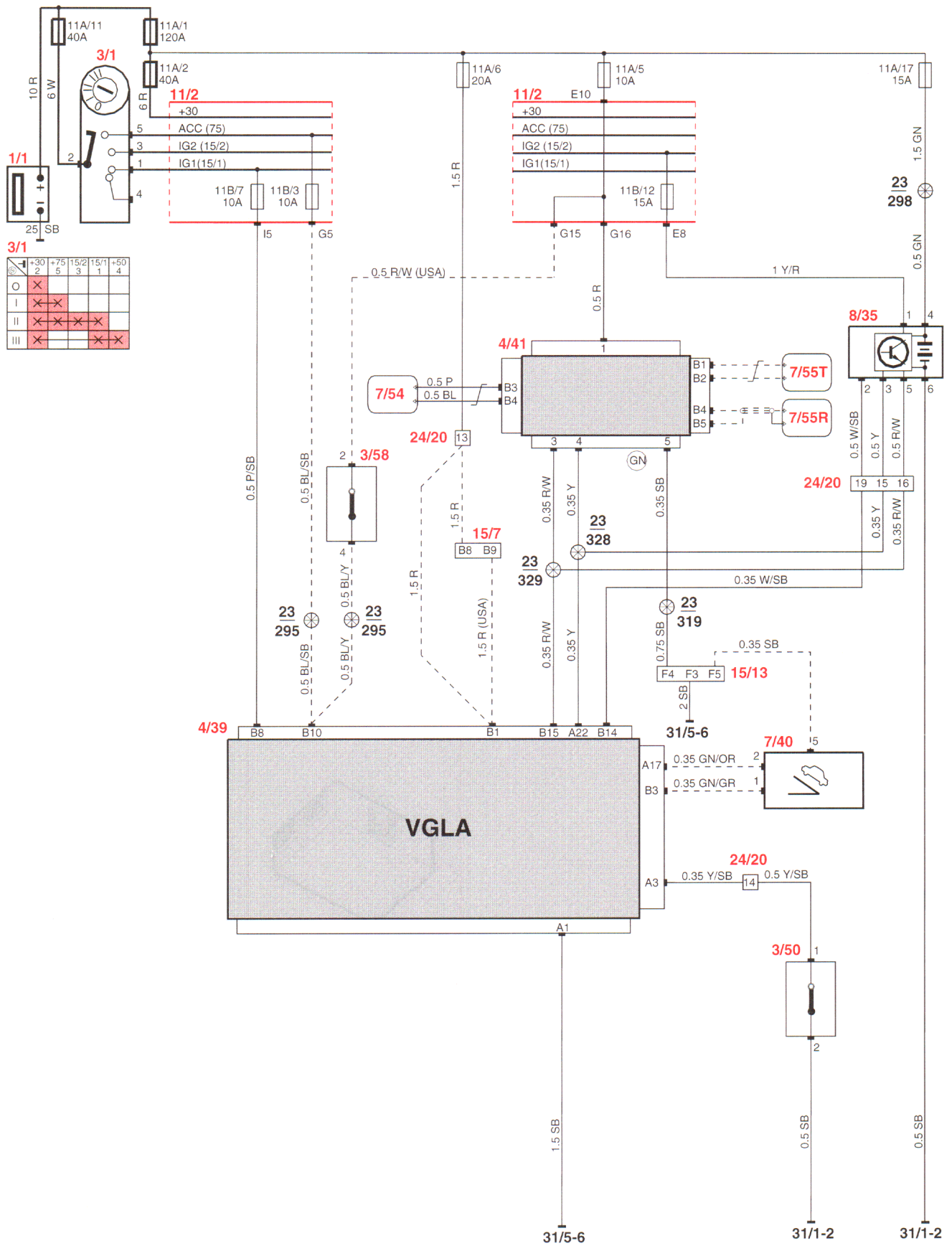
Tailgate wiper and washer, V40



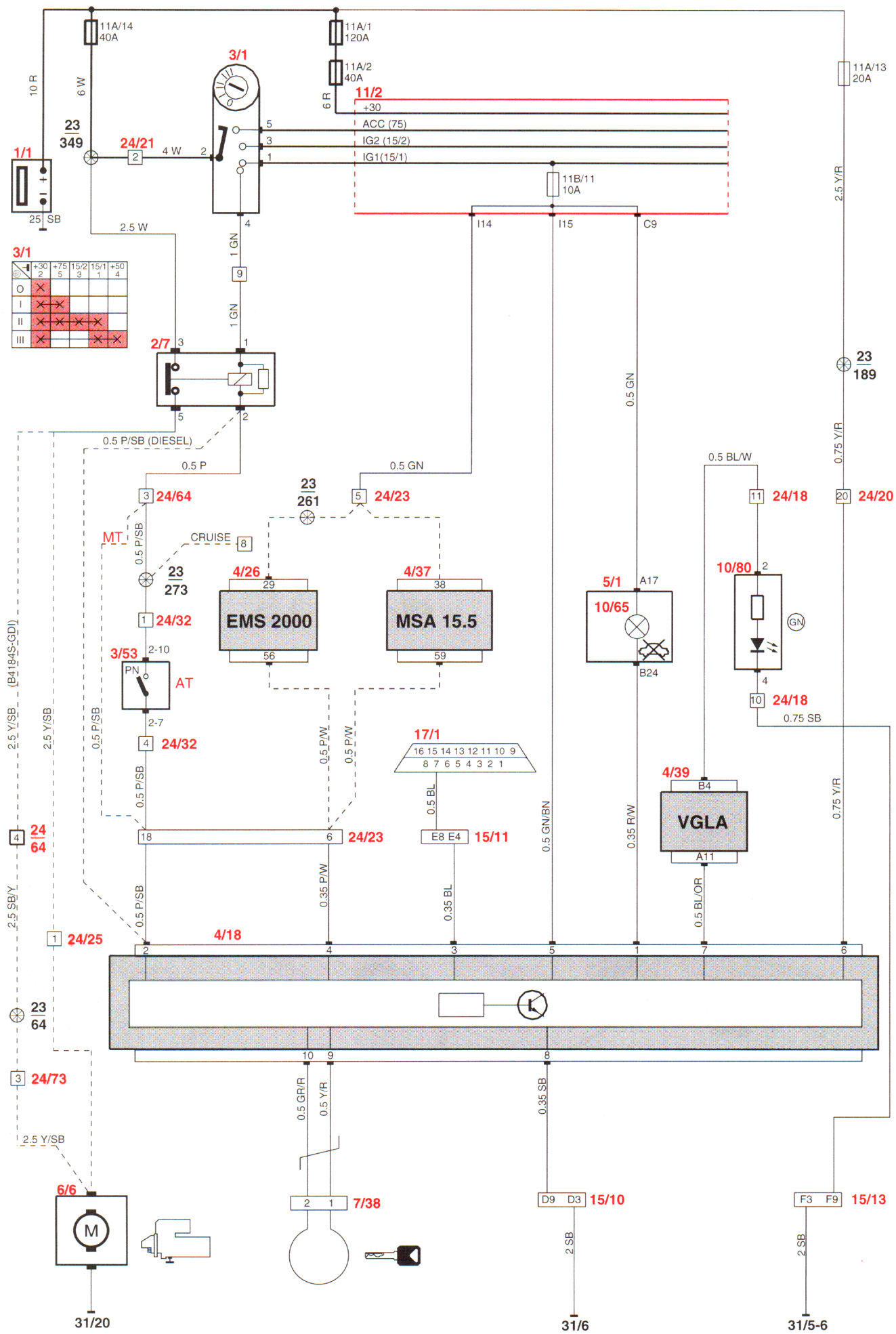
Ignition warning



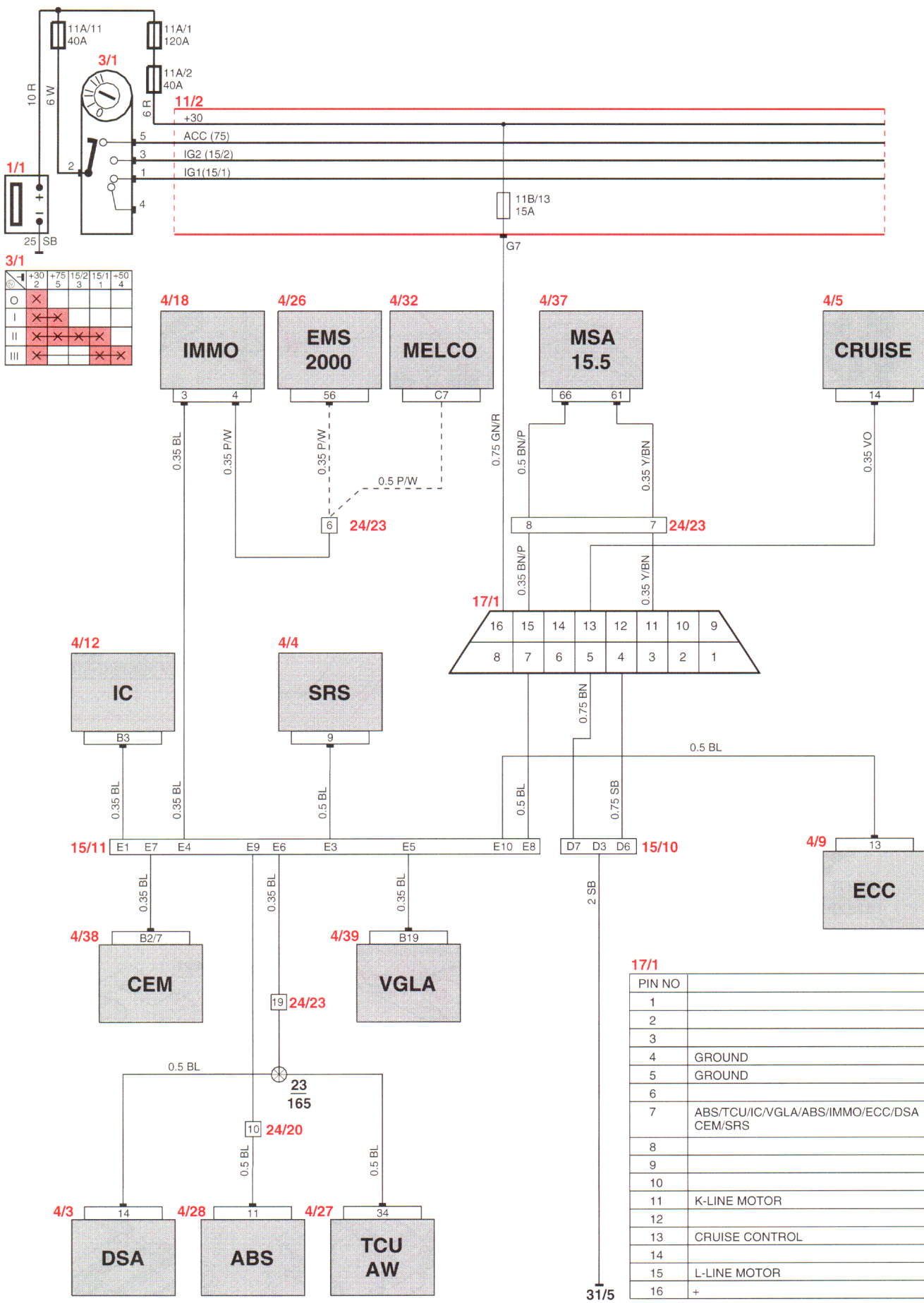
Anti-theft alarm



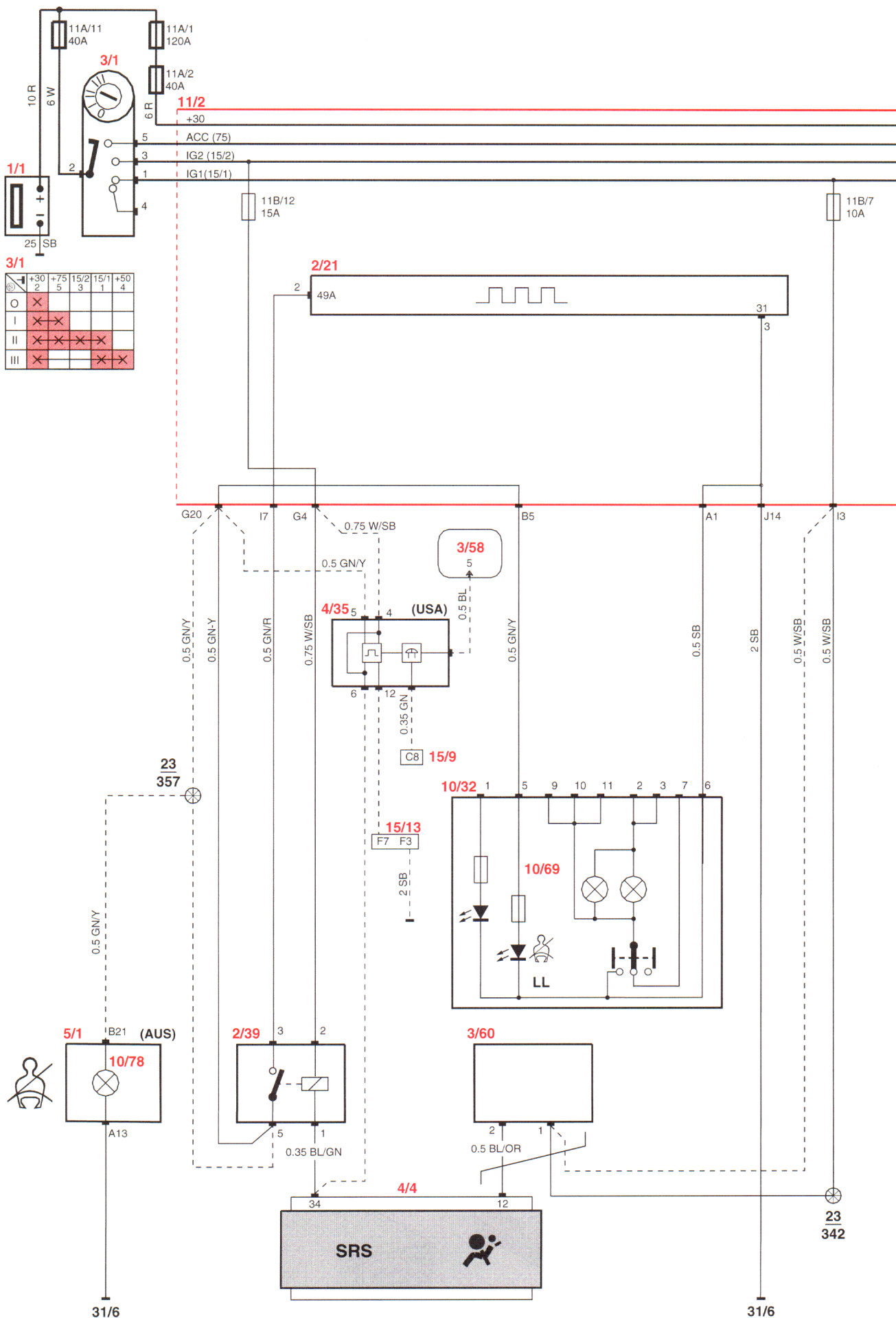
Immobilizer



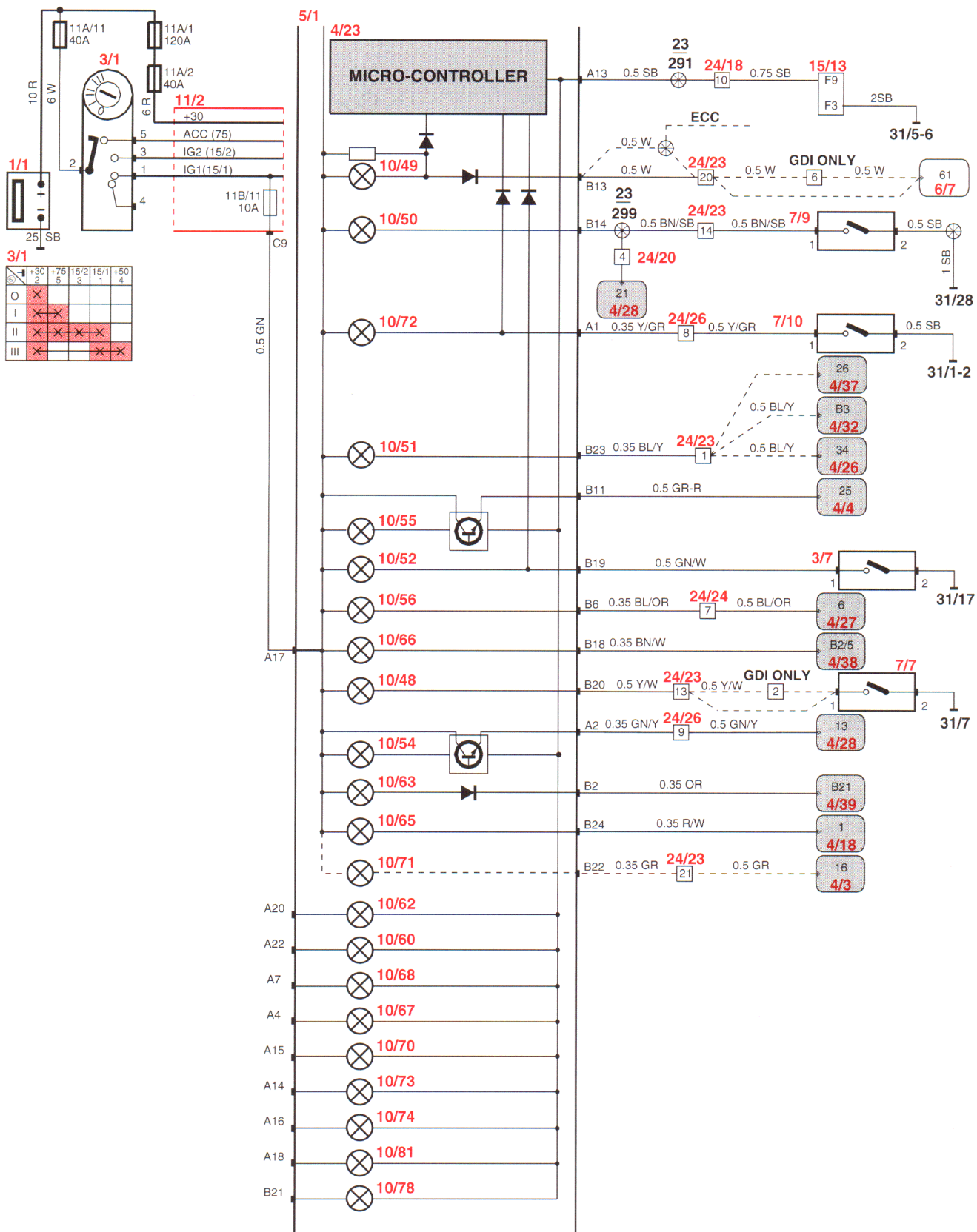
On-board diagnostic (OBD) system



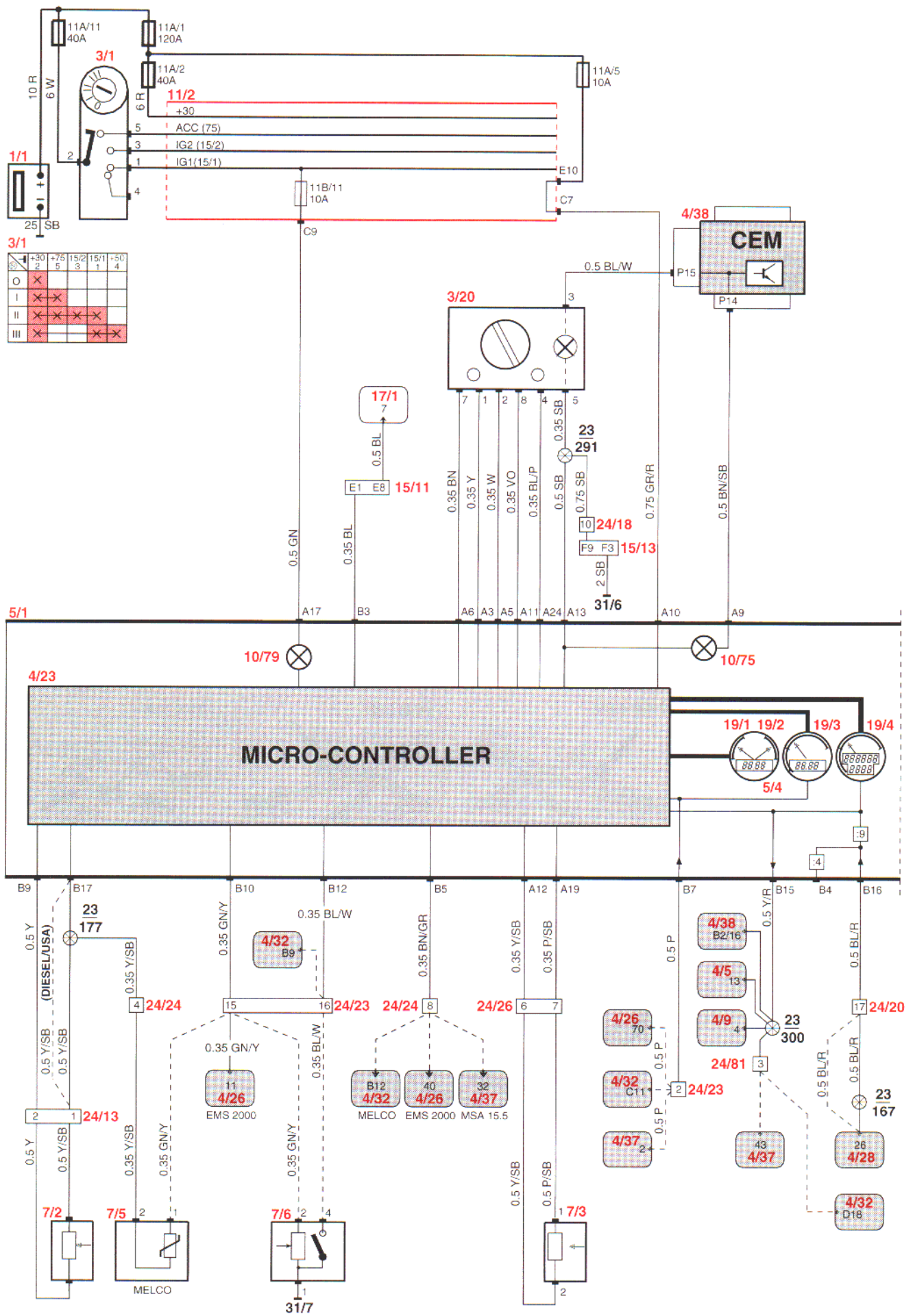
Seat belt reminder



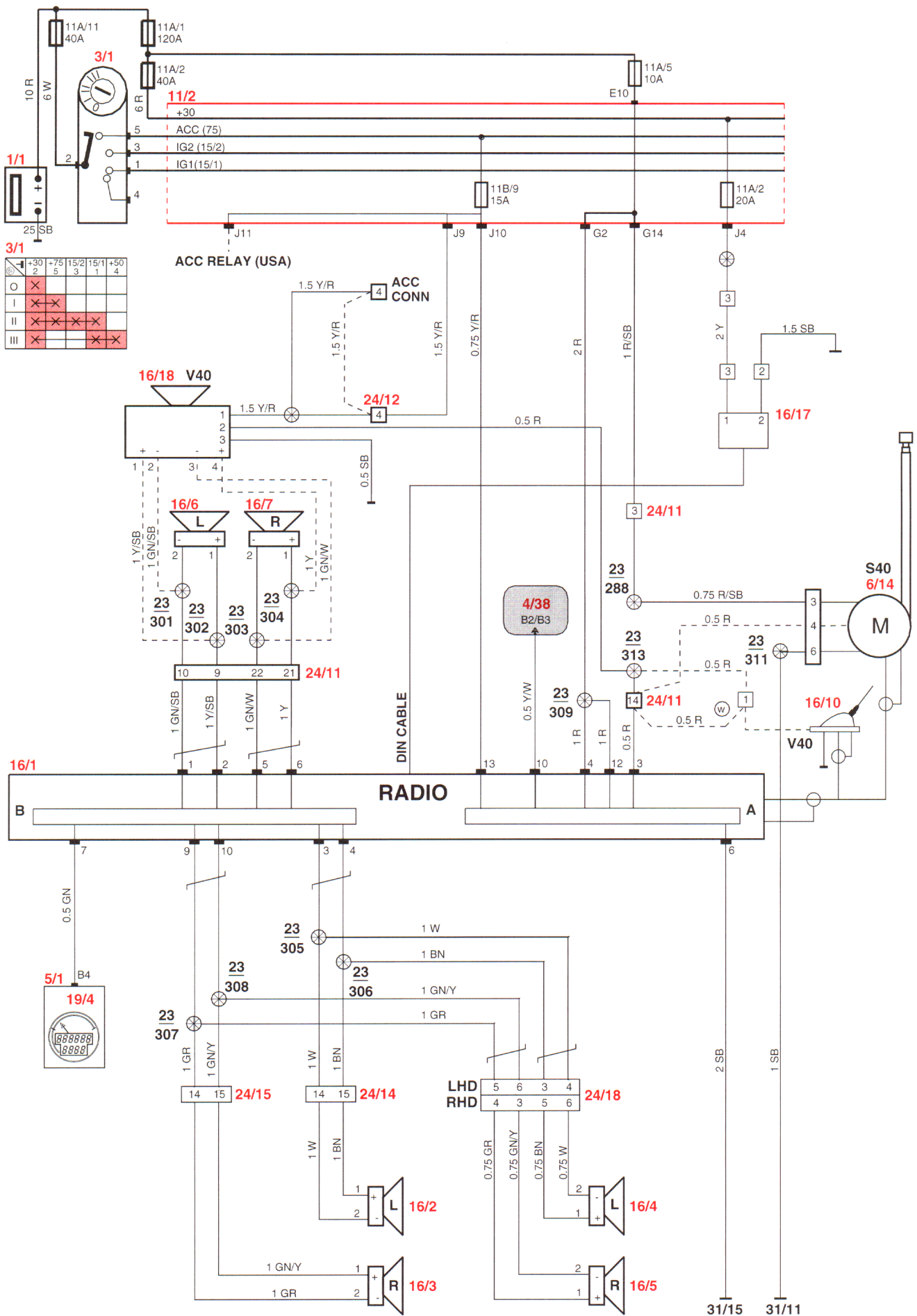
Instruments - general



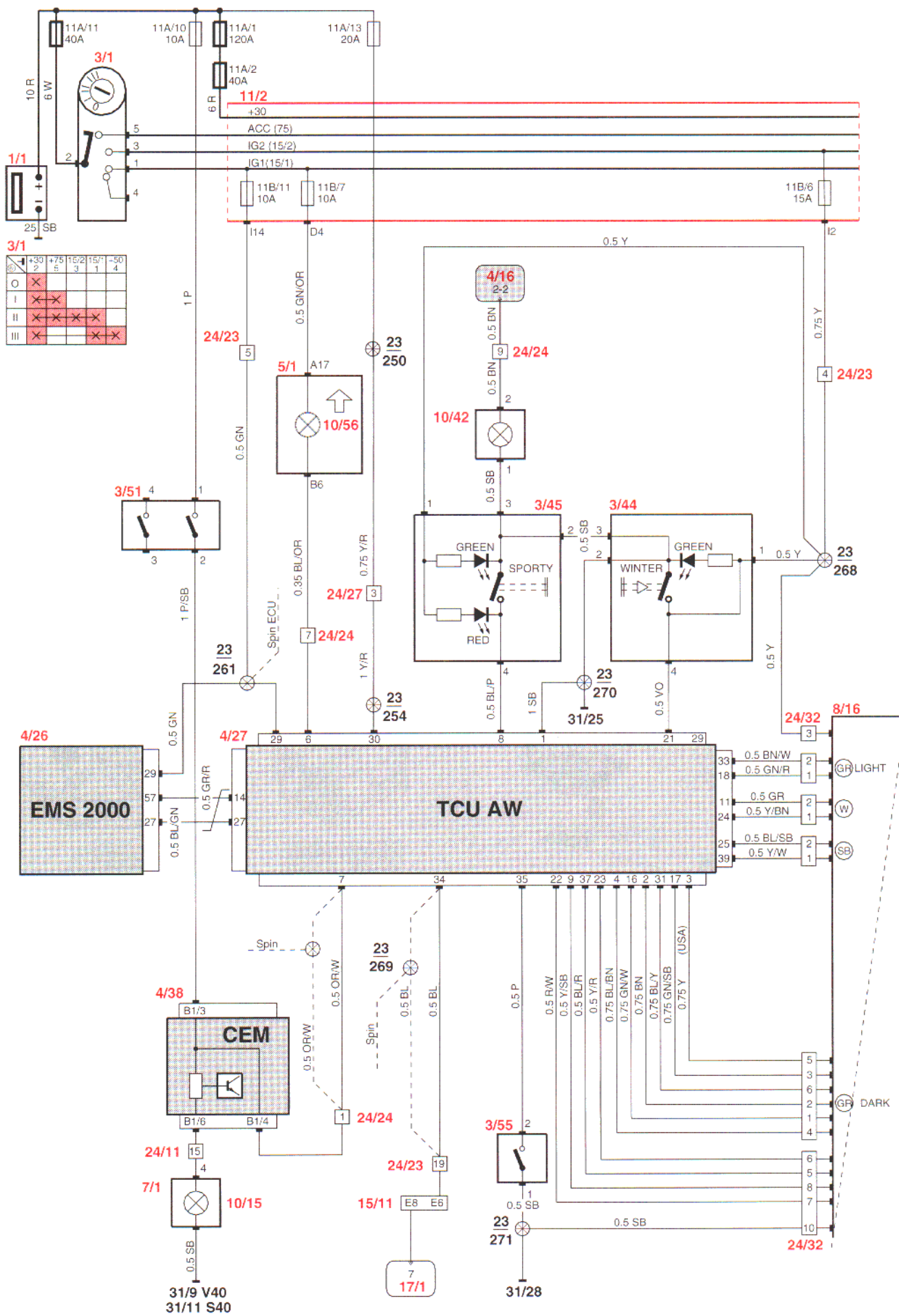
Combined instrument panel



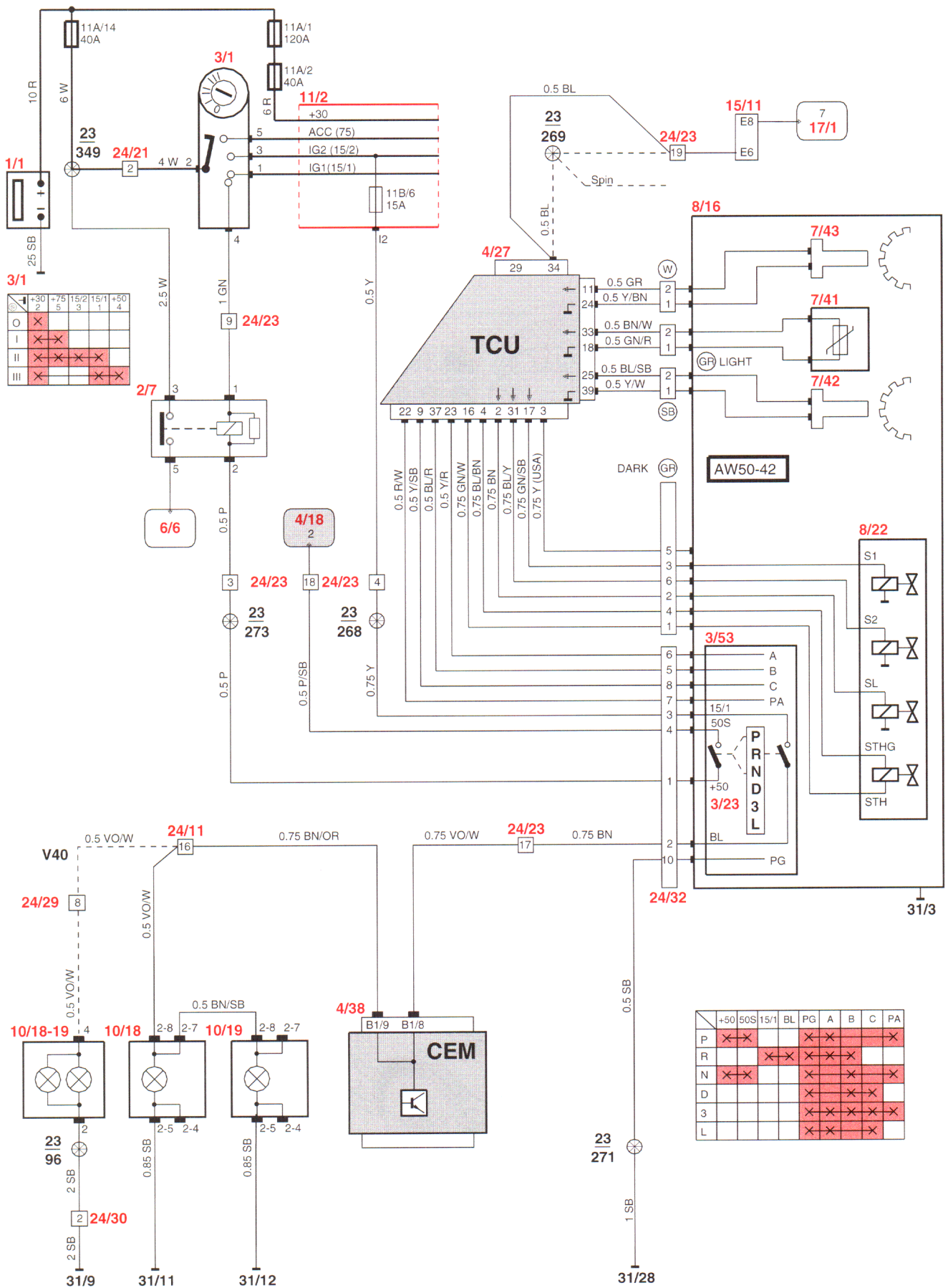
Radio



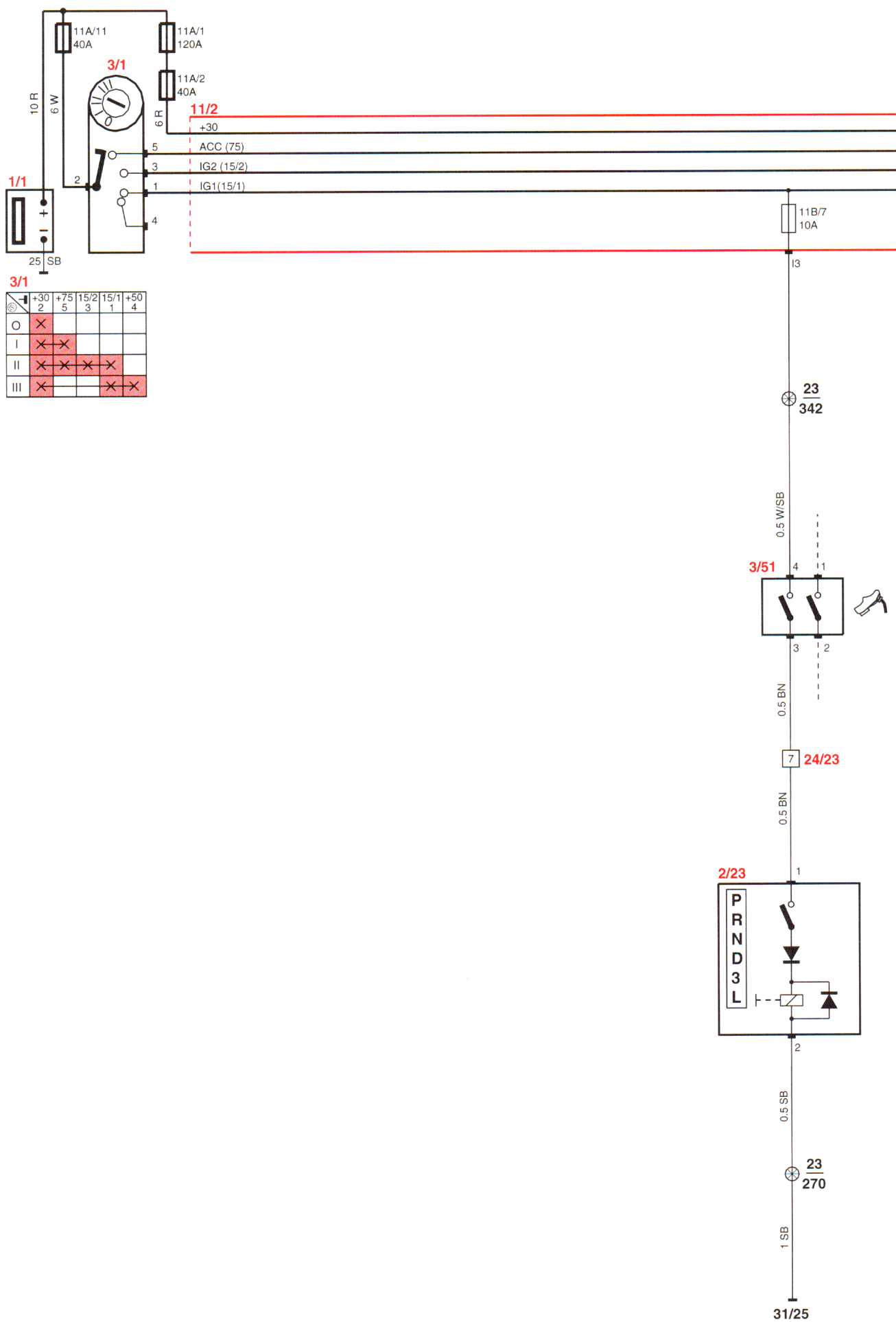
Control module for automatic transmission



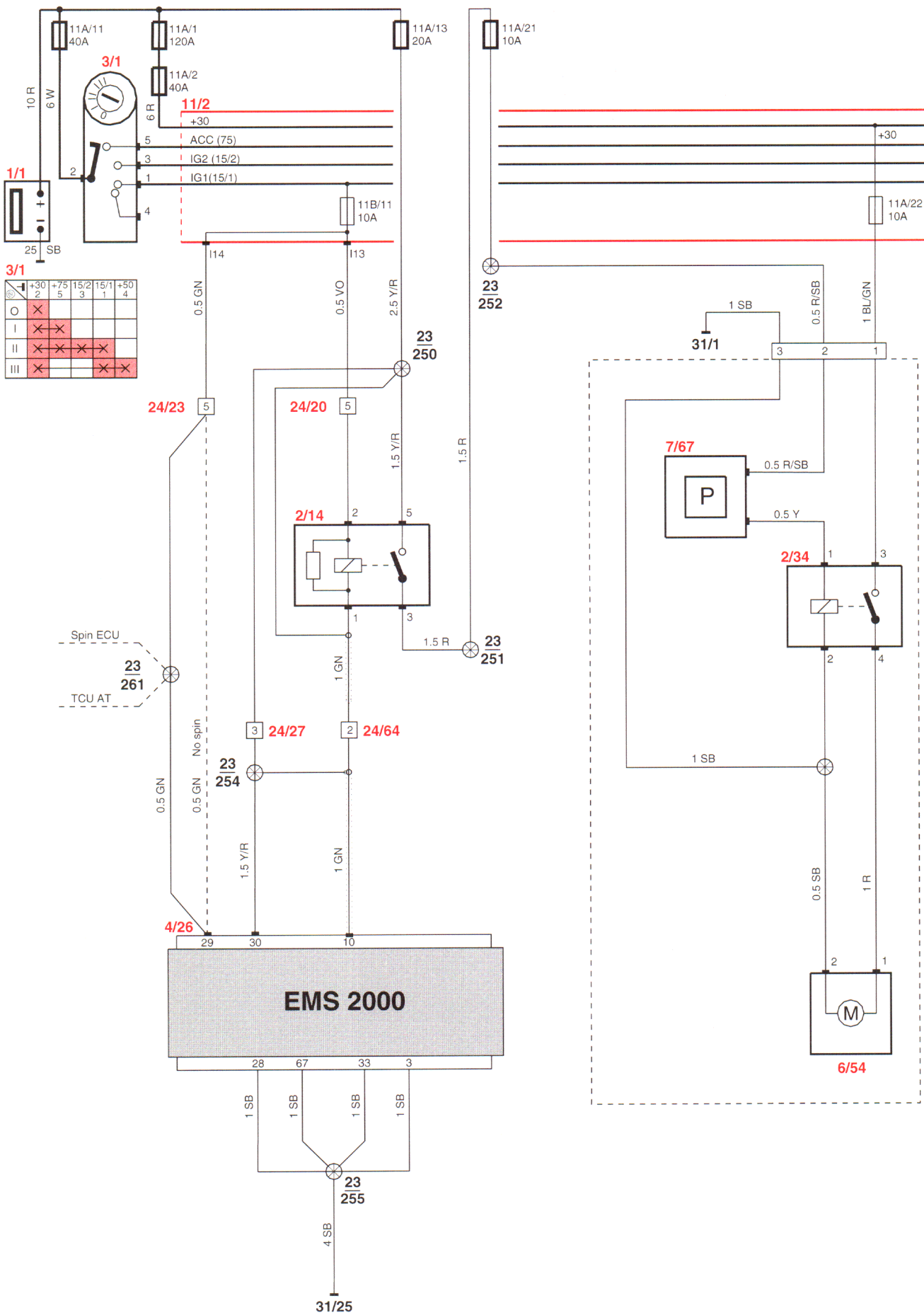
Automatic transmission



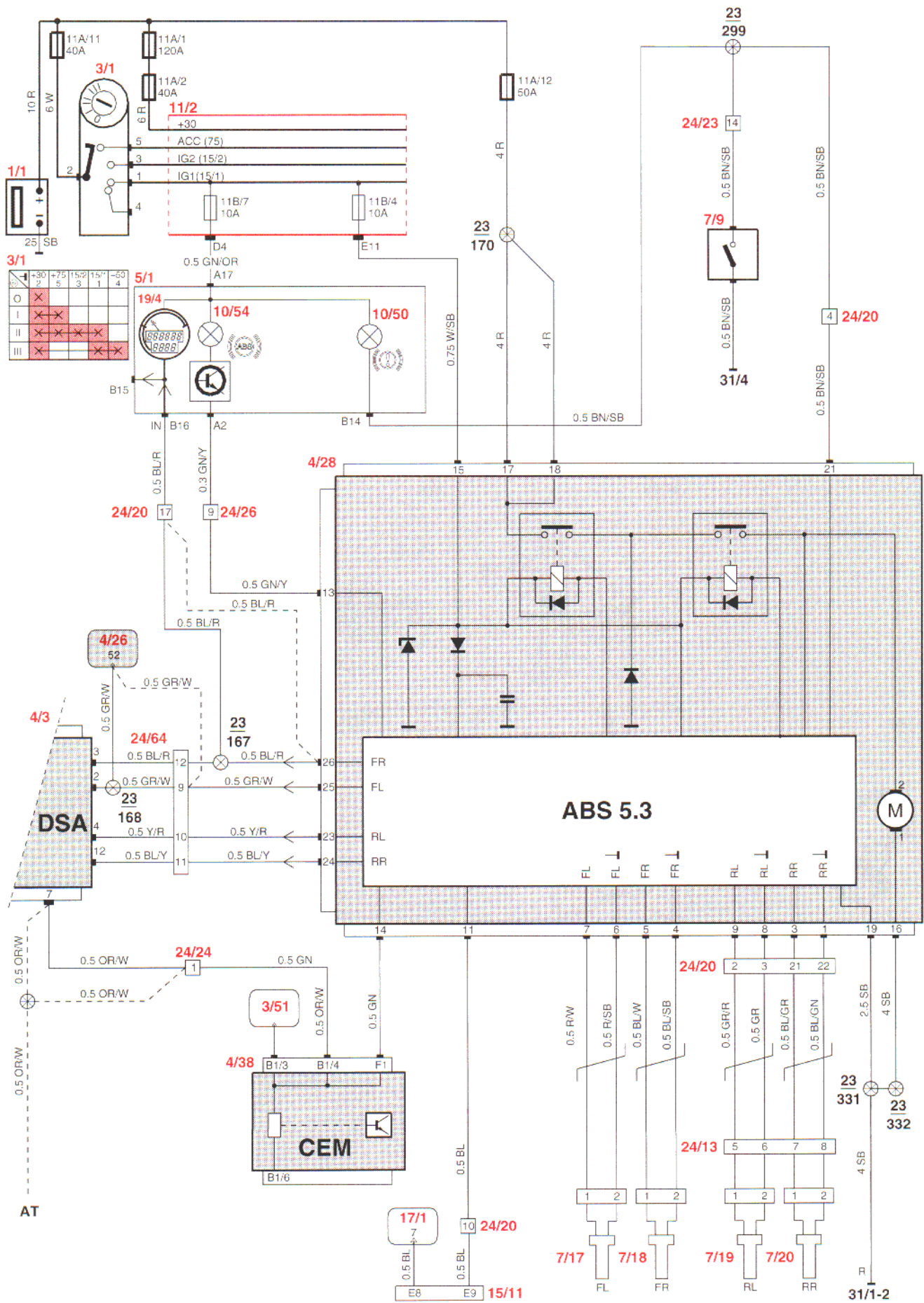
Shift lock



Vacuum pump EMS 2000 (Turbo)



ABS system



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Group 84

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Group 85

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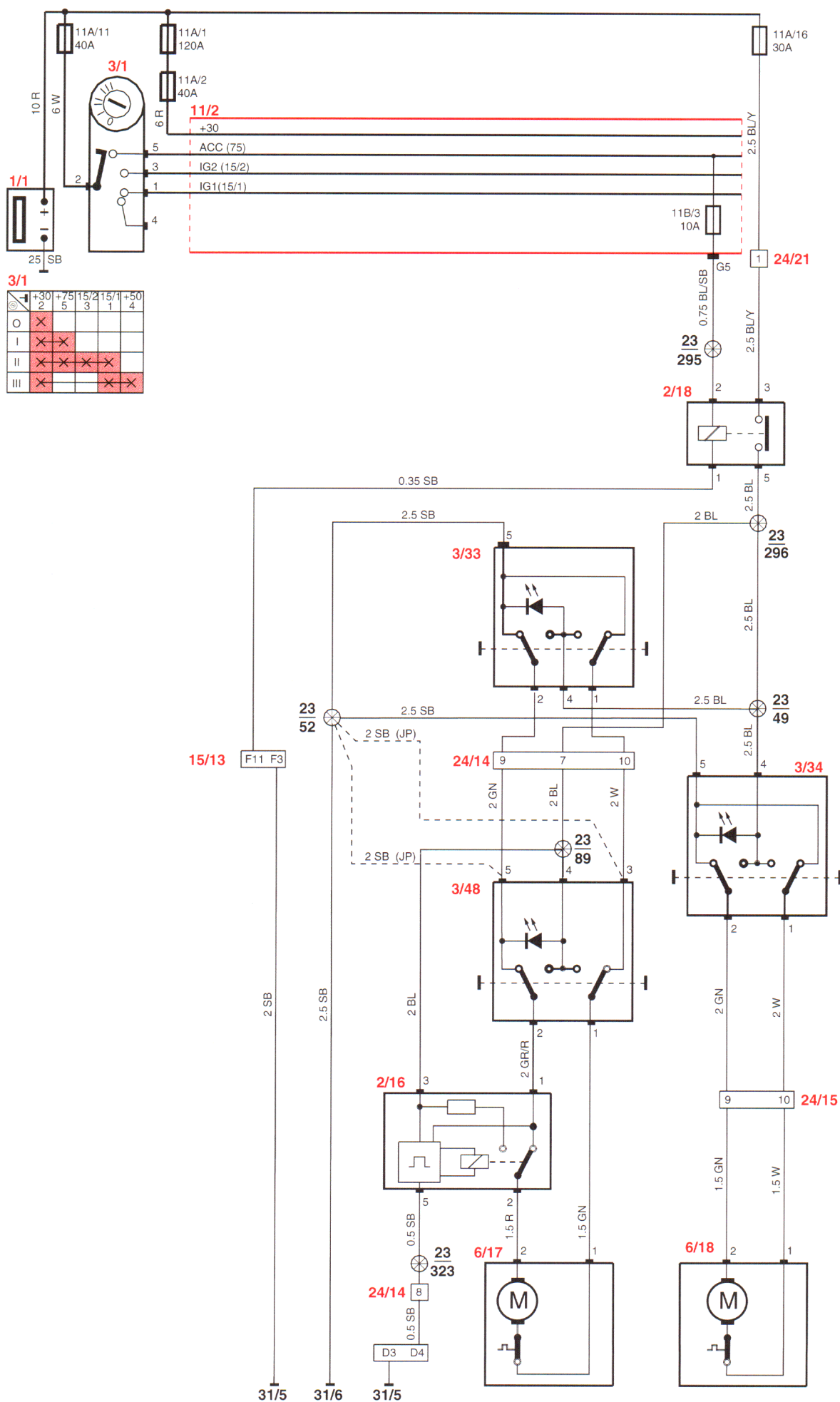
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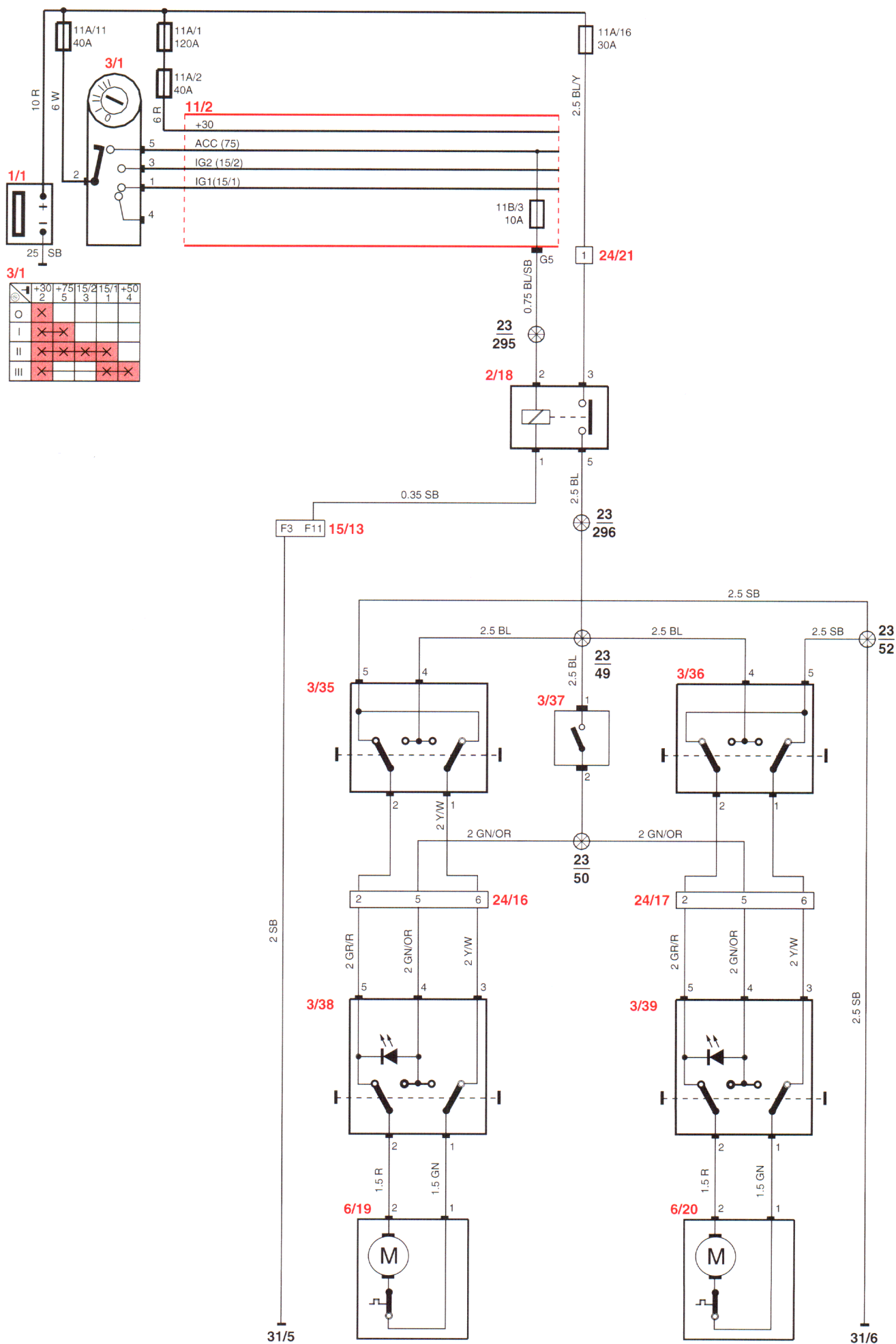
Group 88

Airbag and/or seat belt tensioner	190
Component list (fold-out)	see end of manual

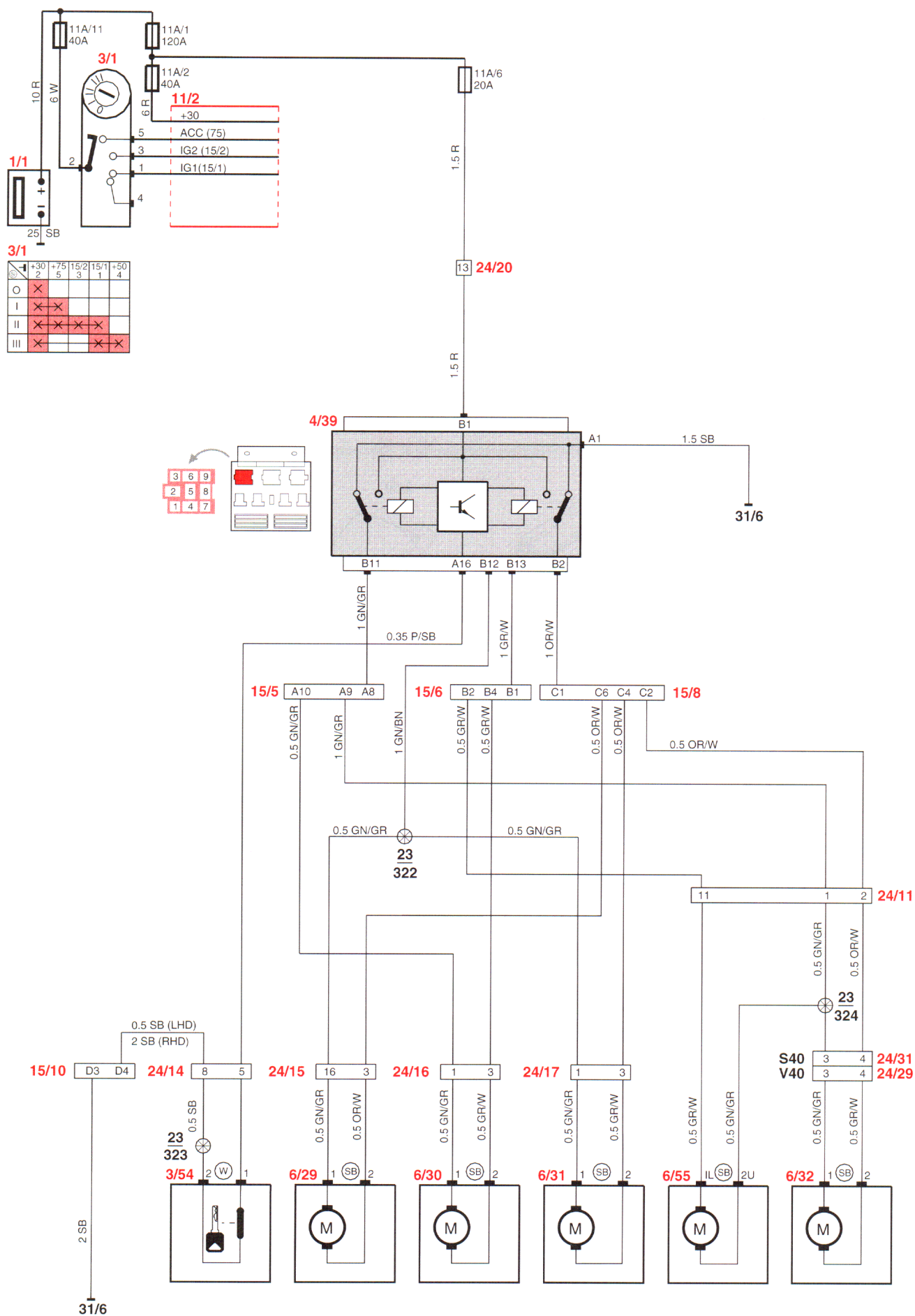
Power windows front



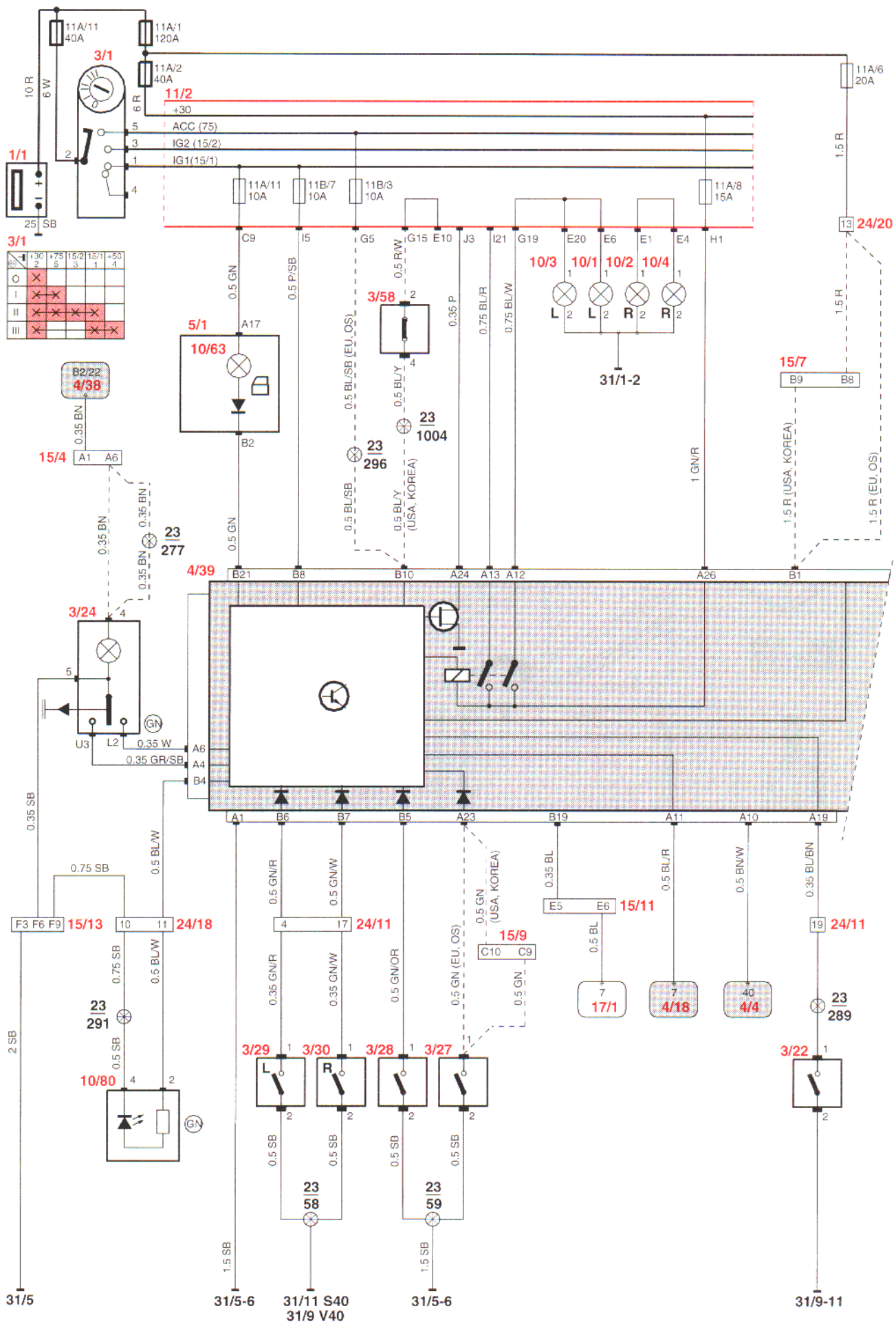
Power windows rear



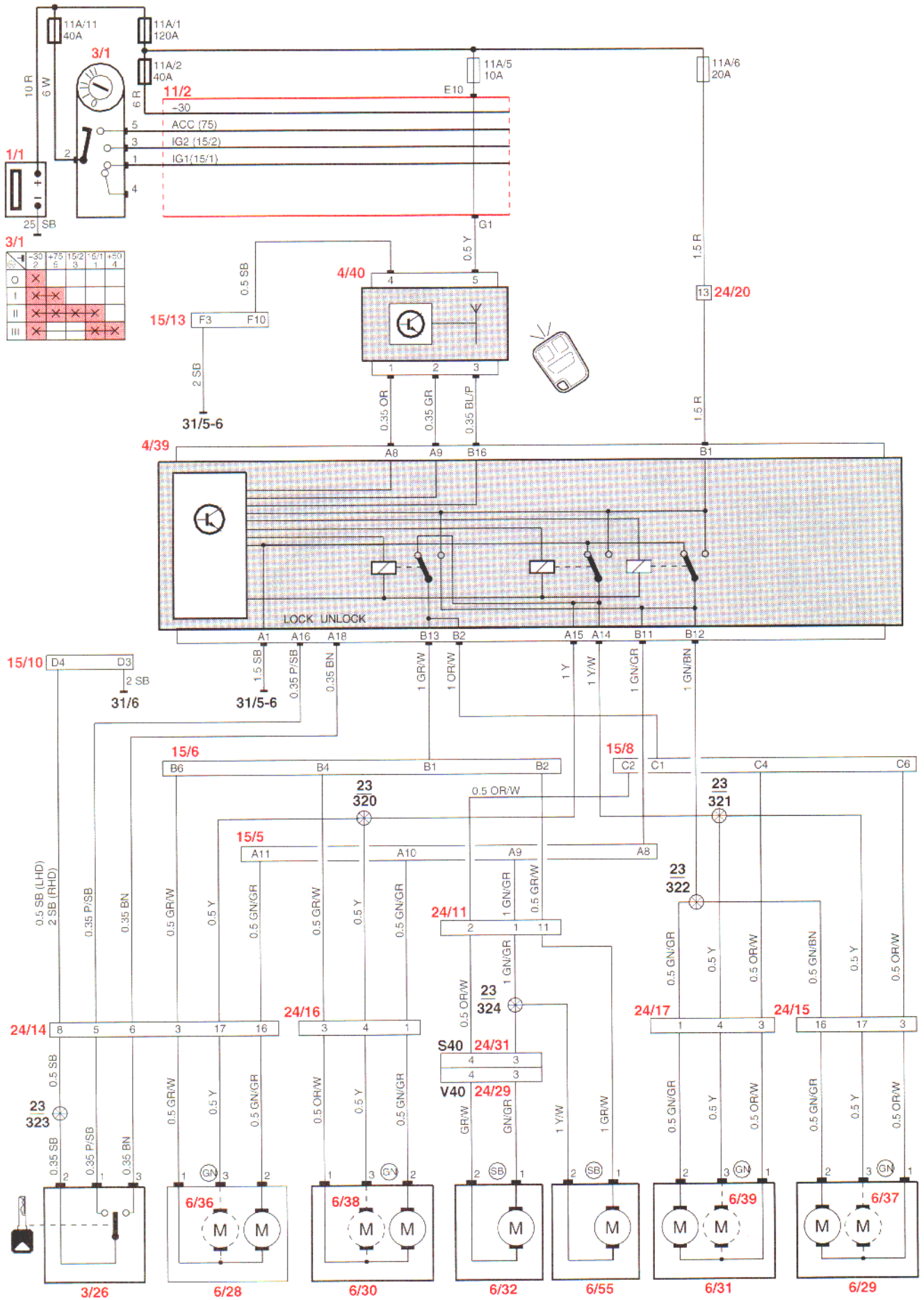
Central locking



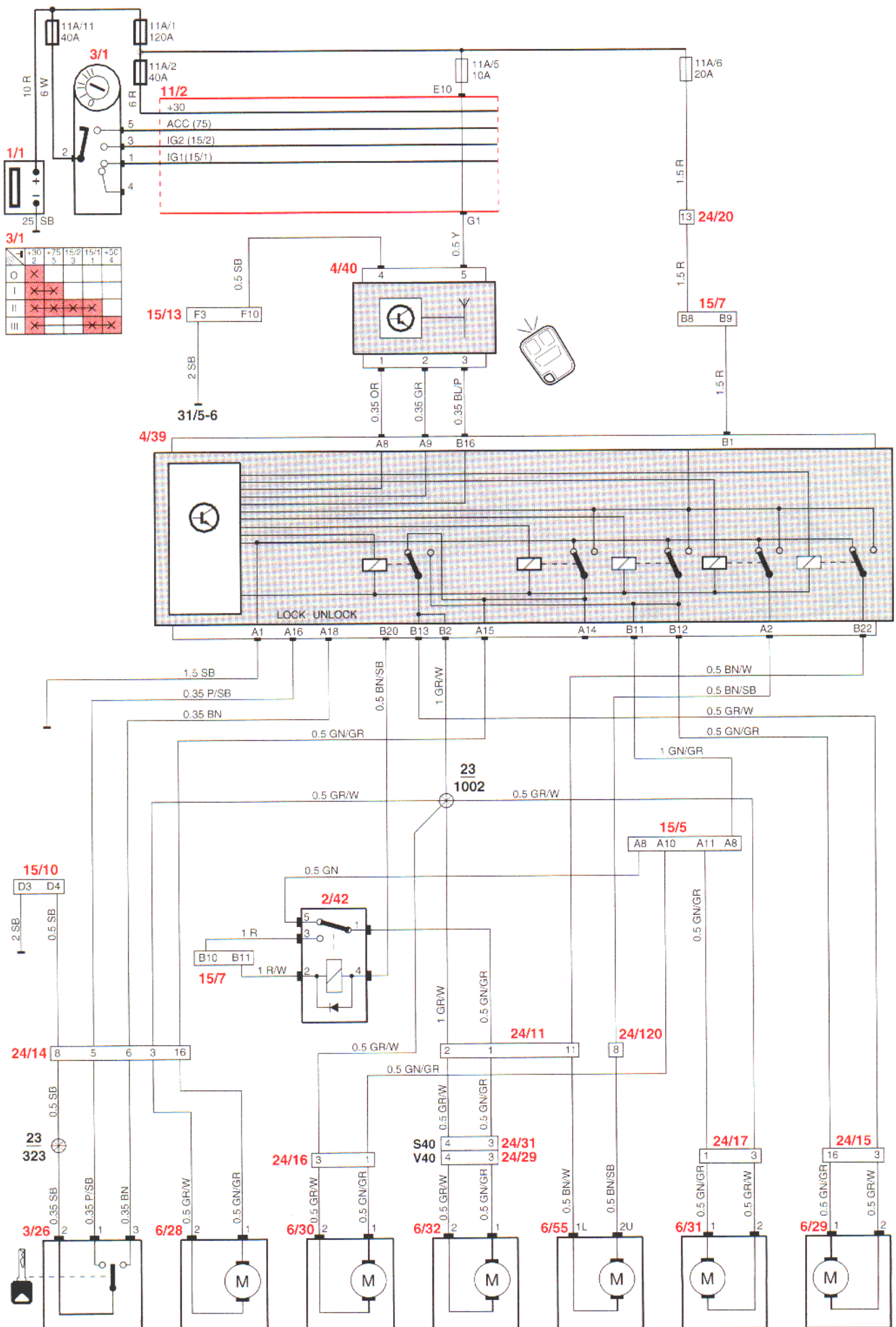
Remote controlled central locking-general



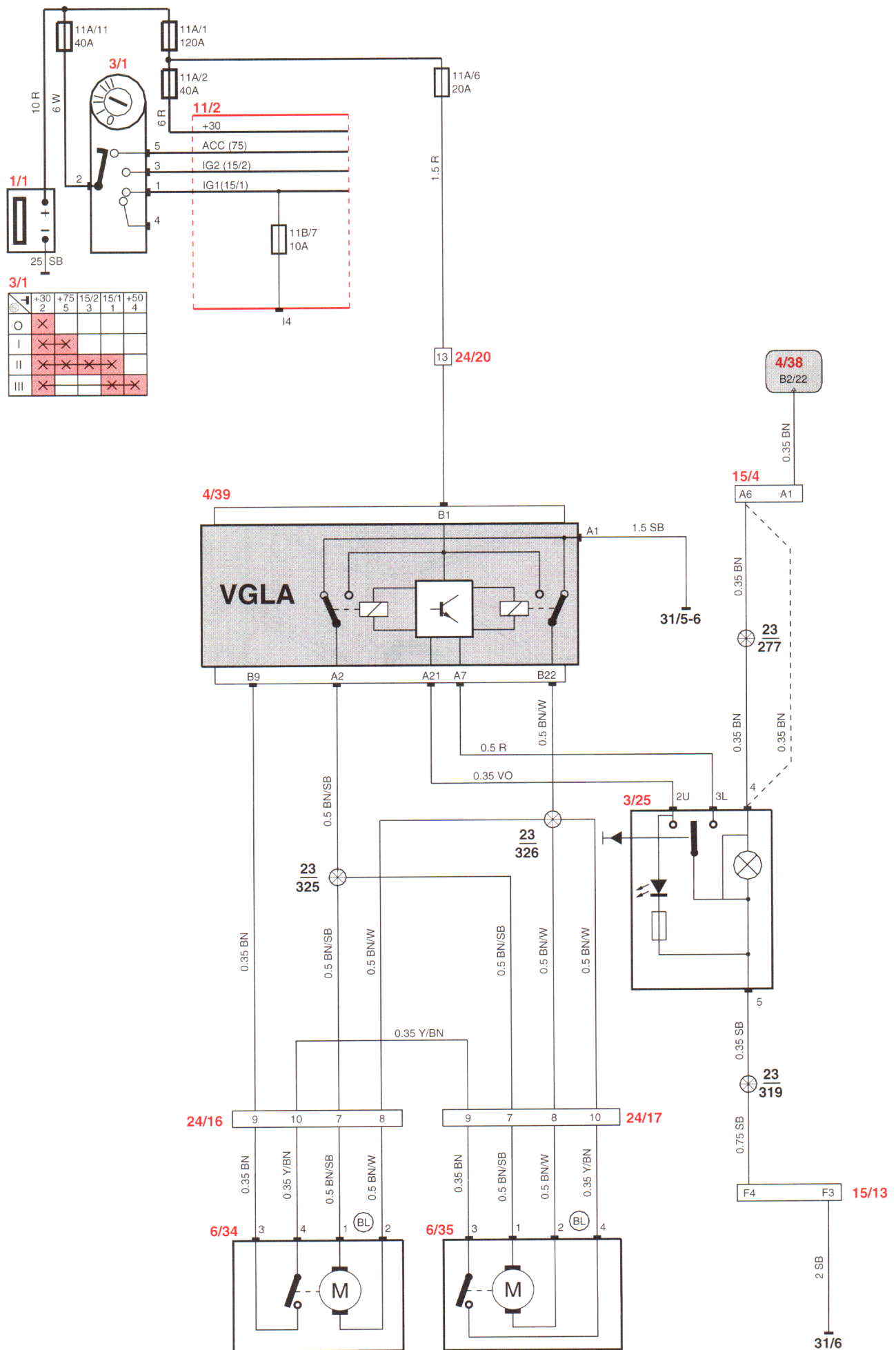
Remote controlled central locking - motors



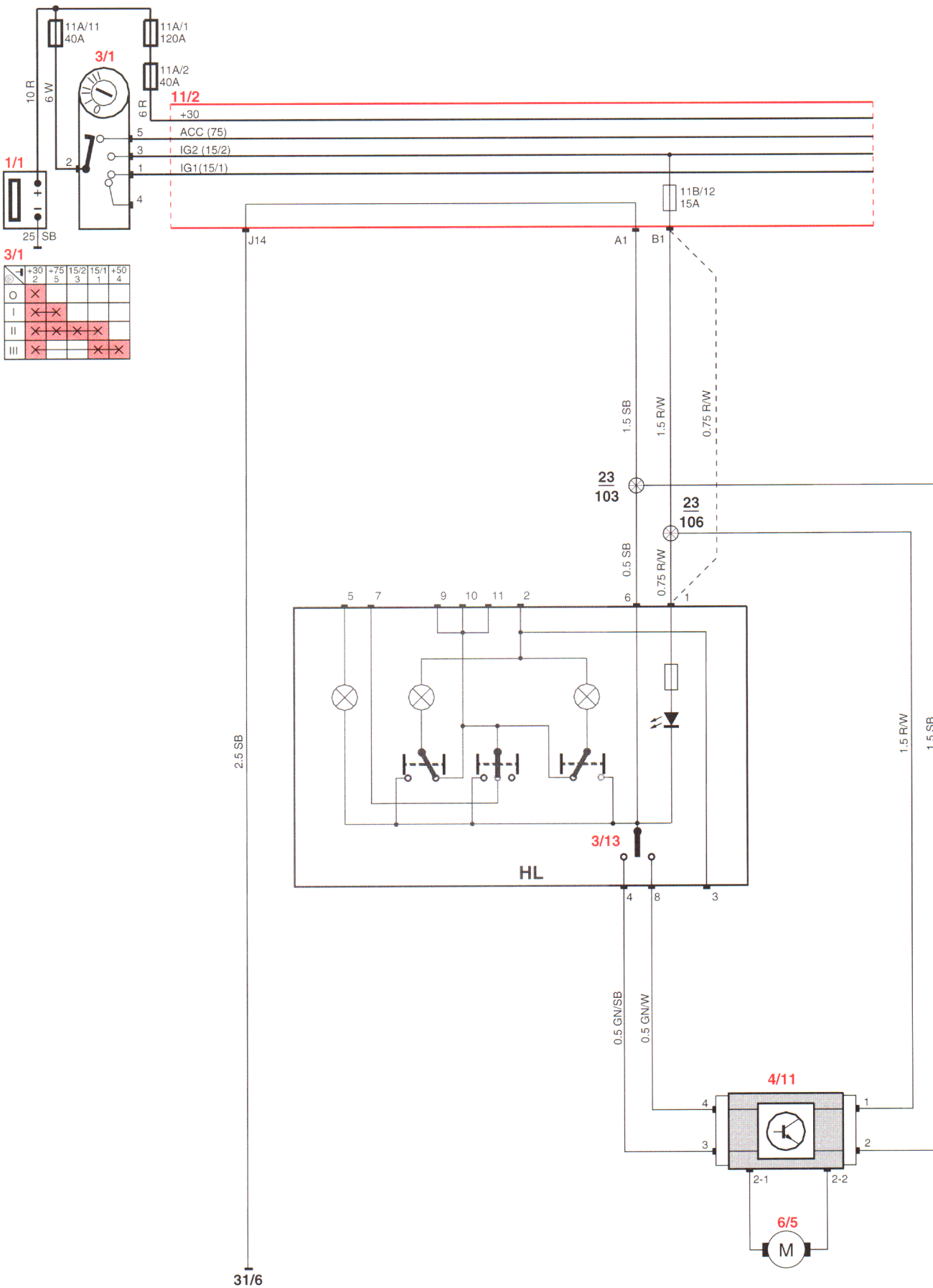
Remote controlled central locking - motors, USA



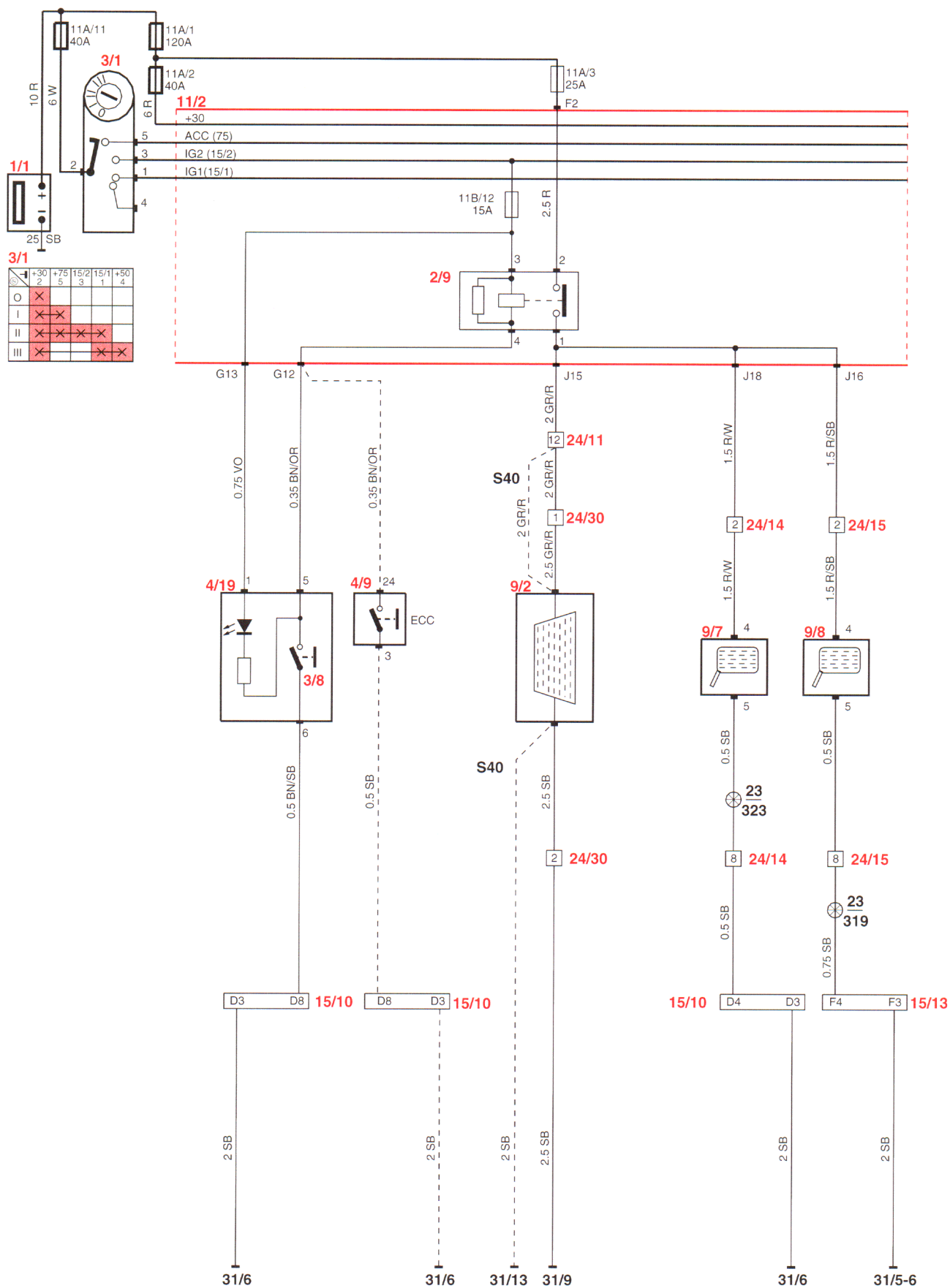
Electrical door locks rear



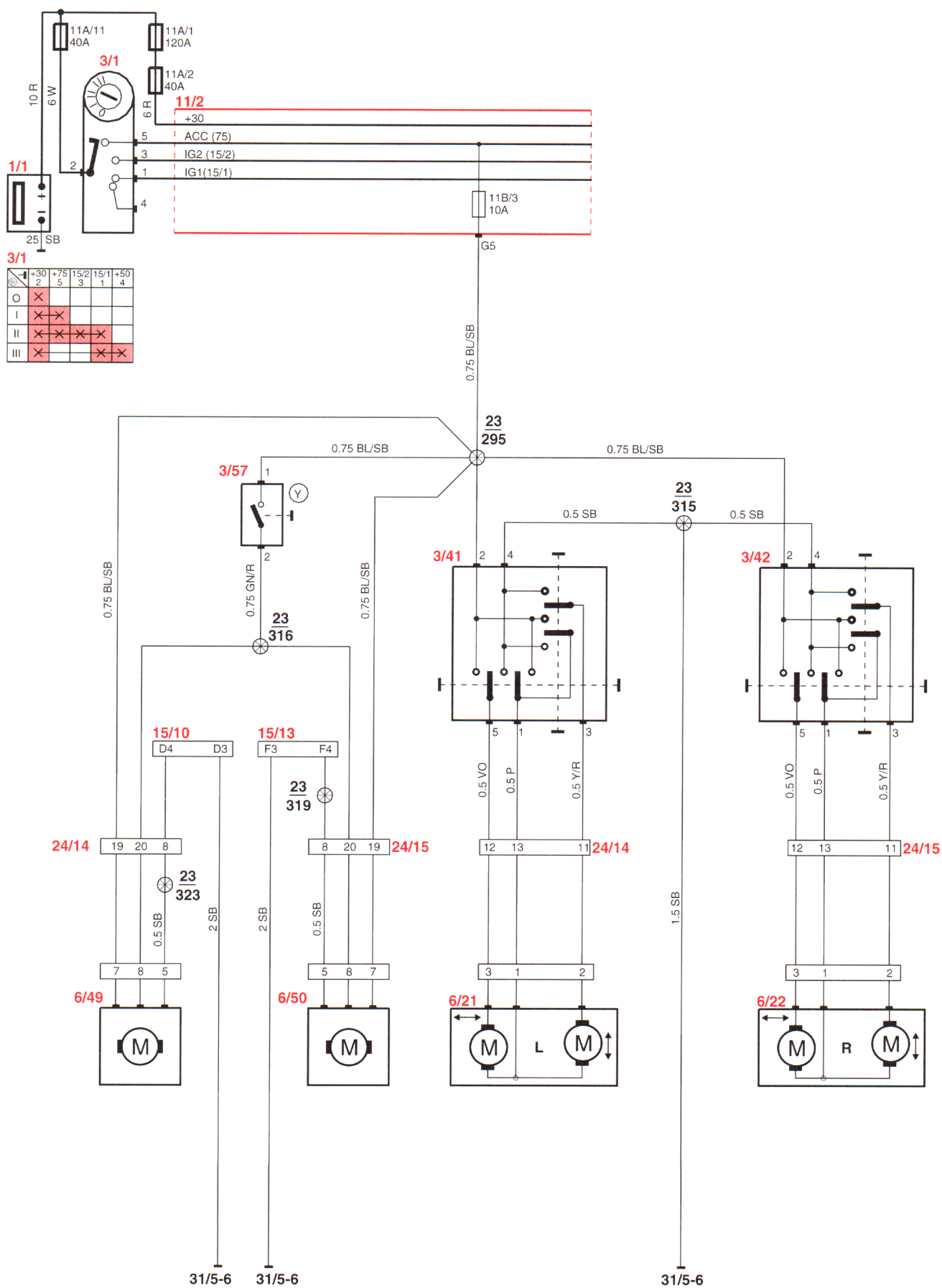
Power sunroof



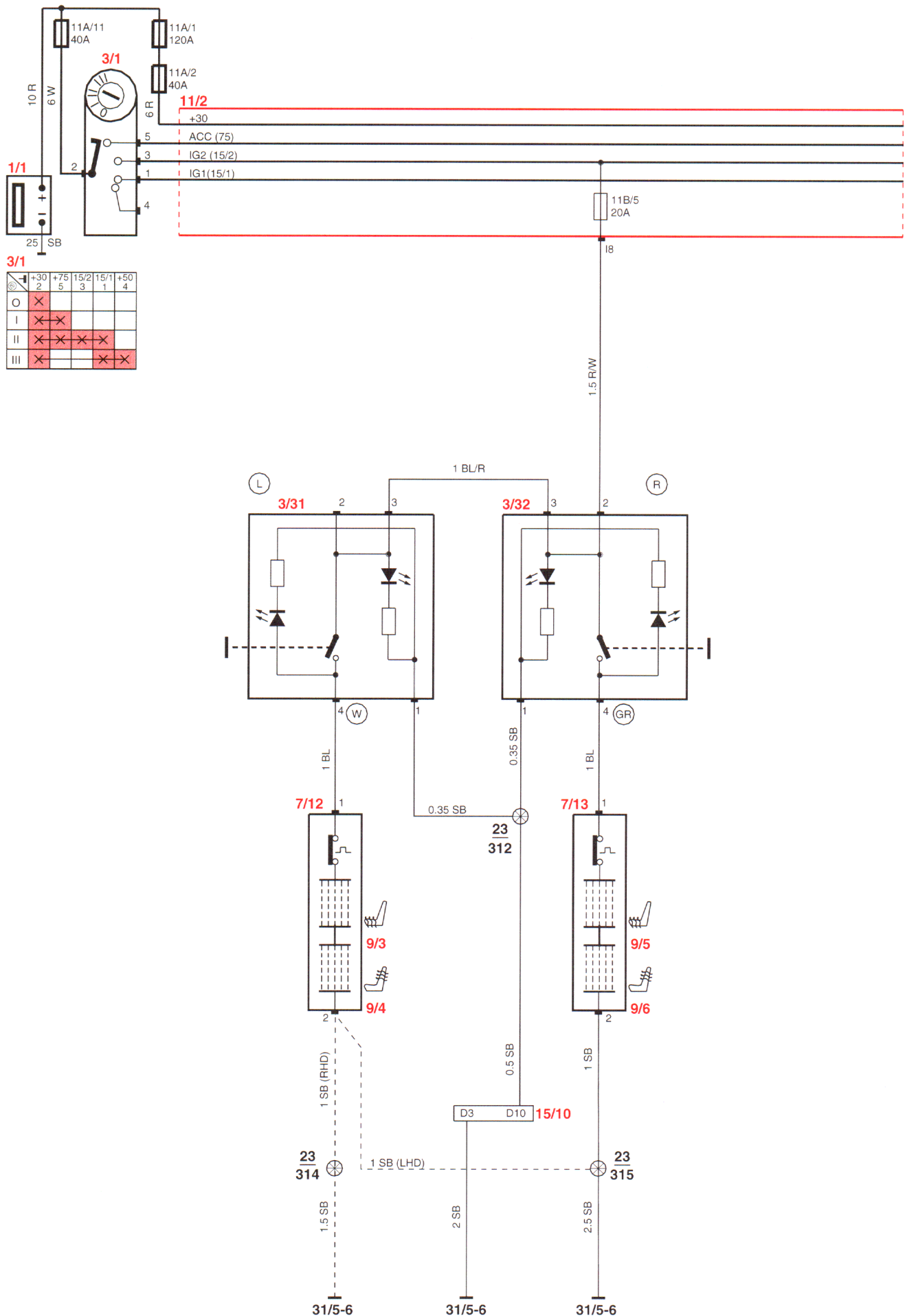
Heated rear window and heated door mirrors



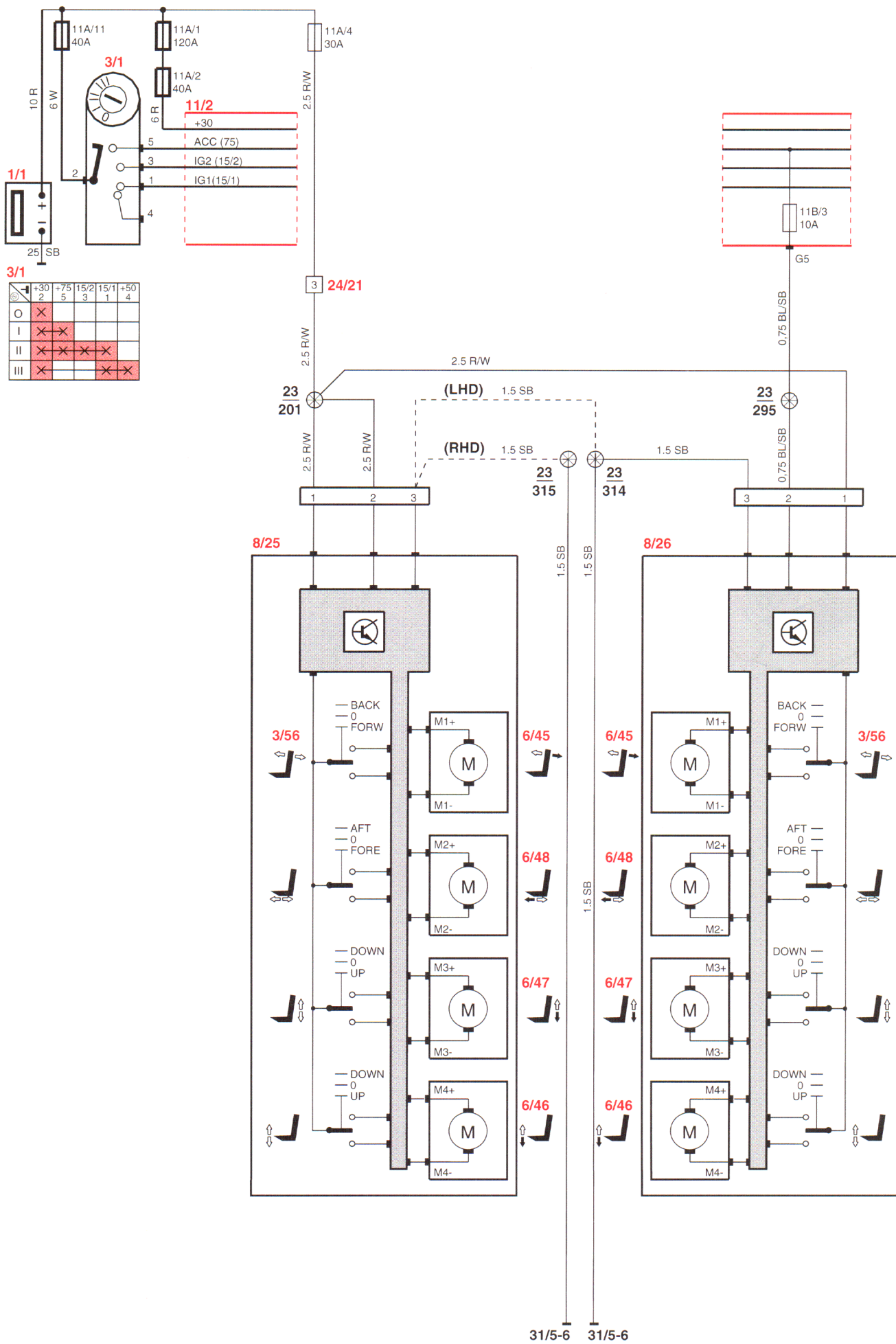
Power door mirrors



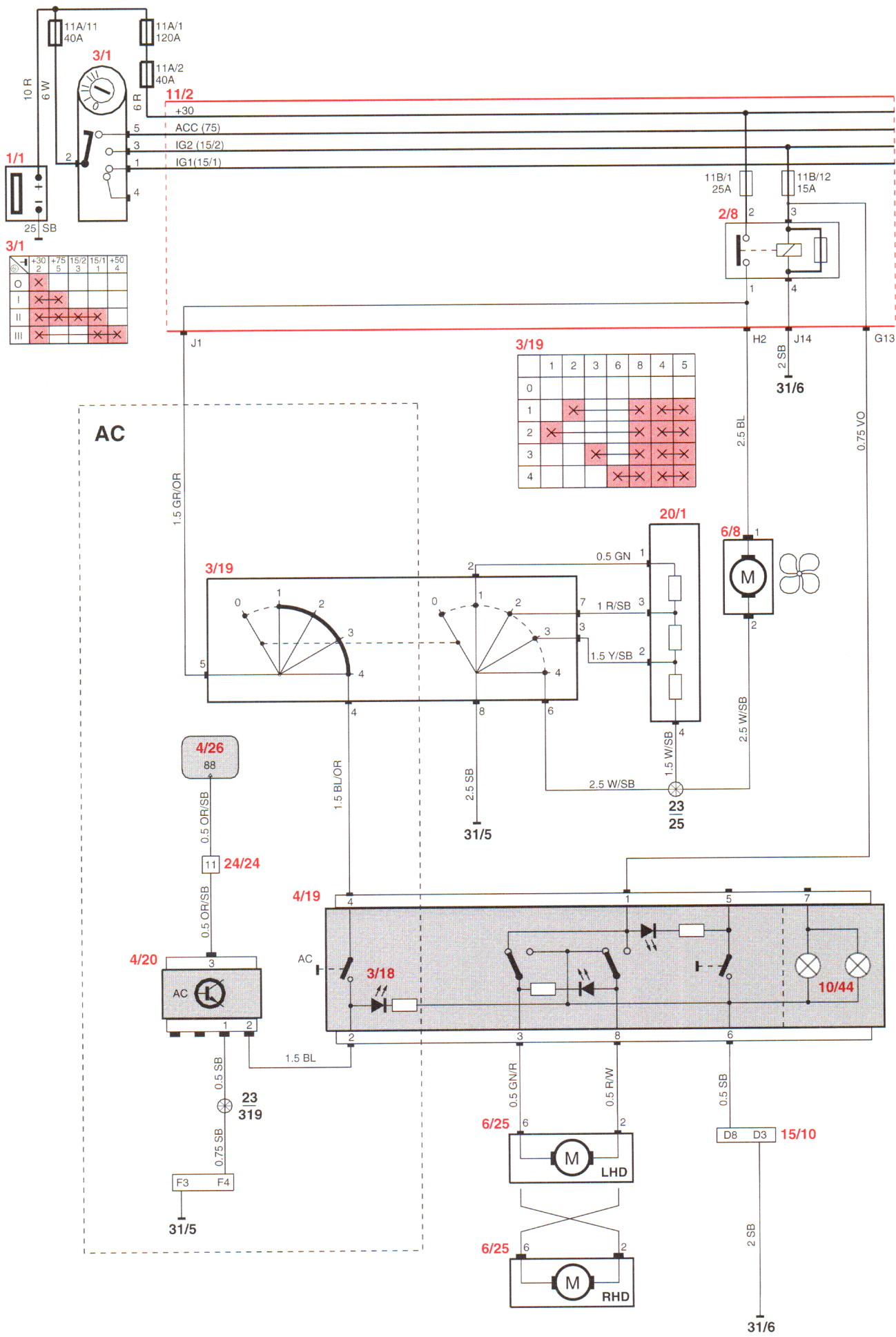
Electrically heated seats front



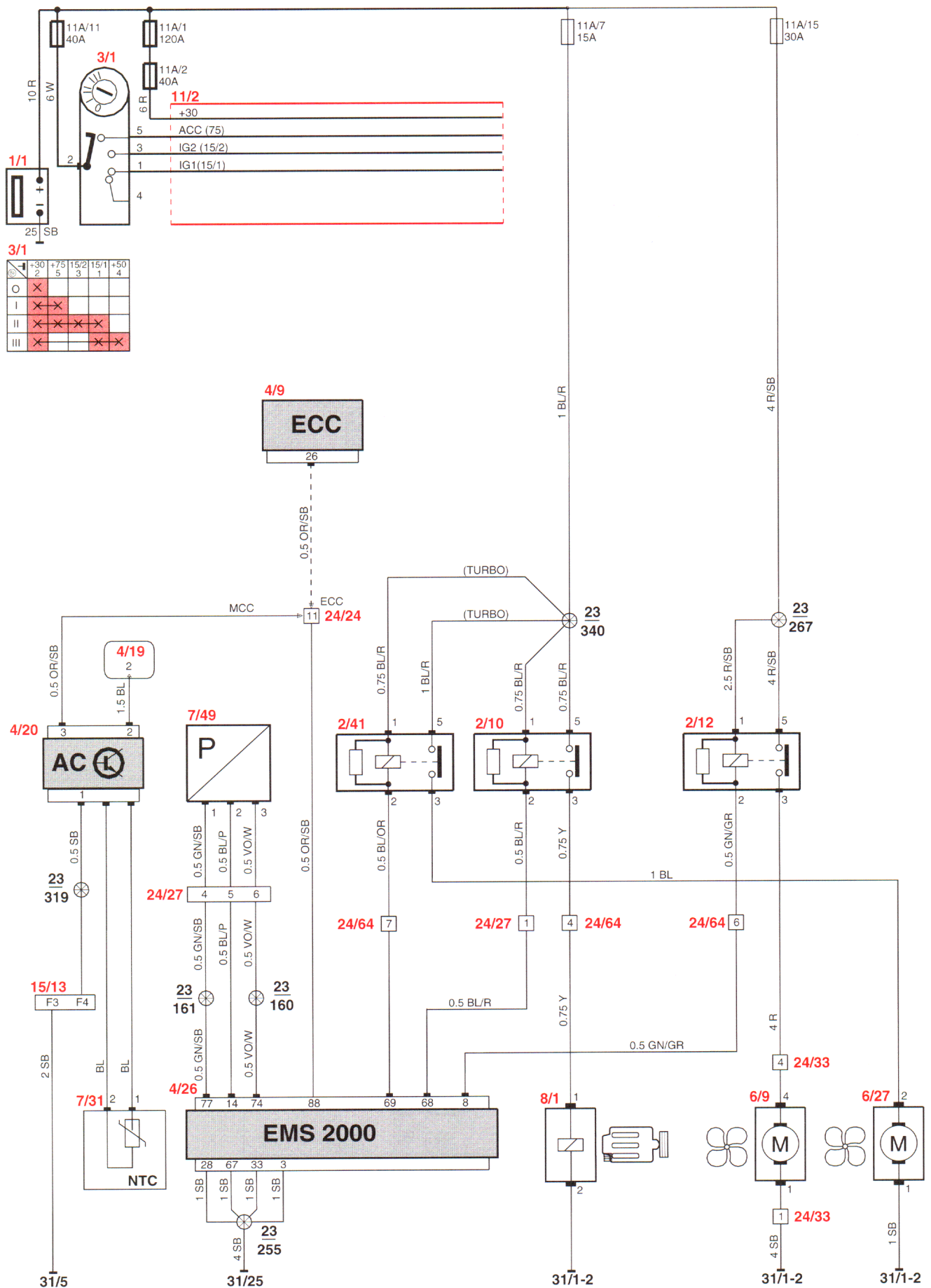
Power seats



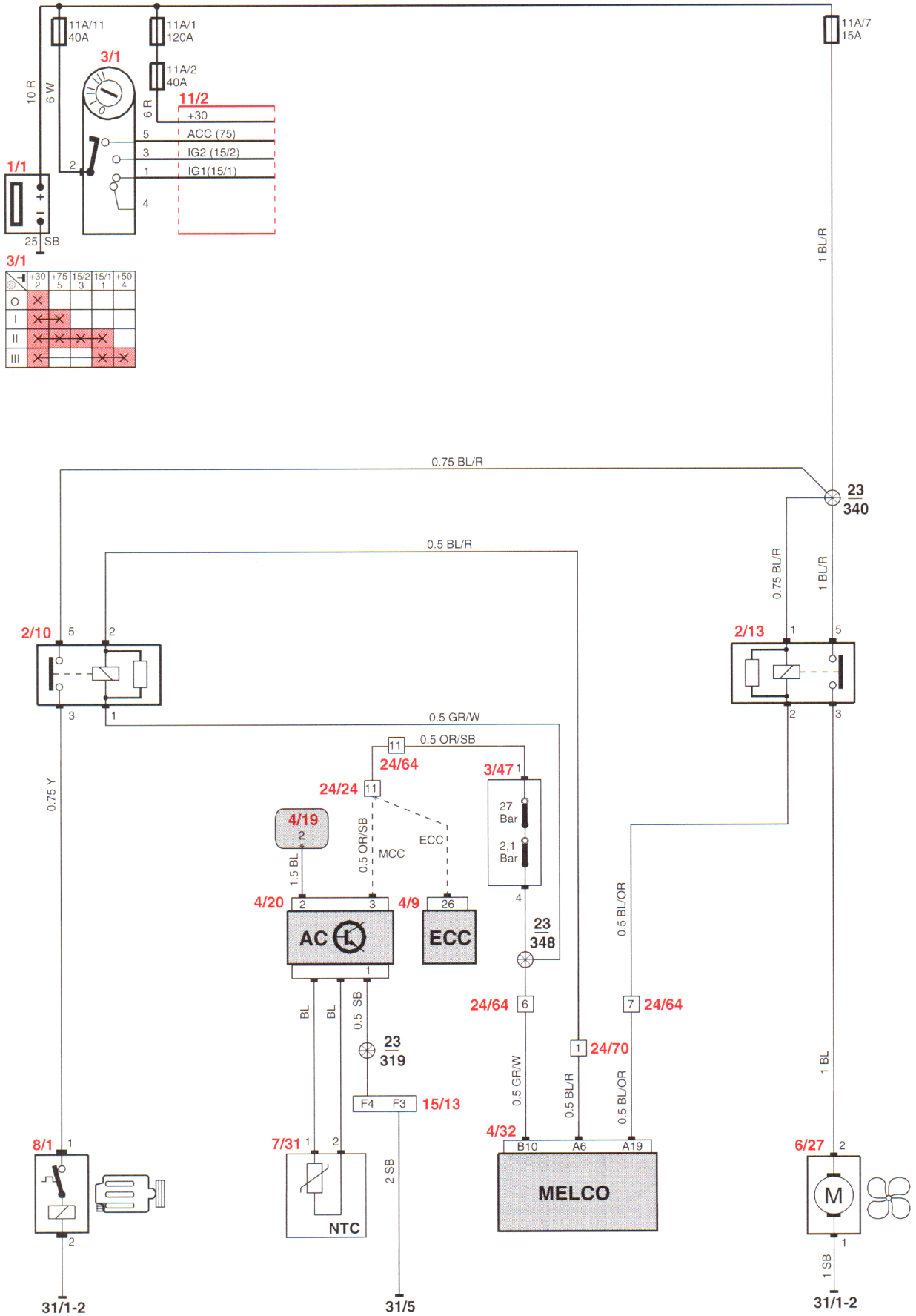
Manual climate control, MCC



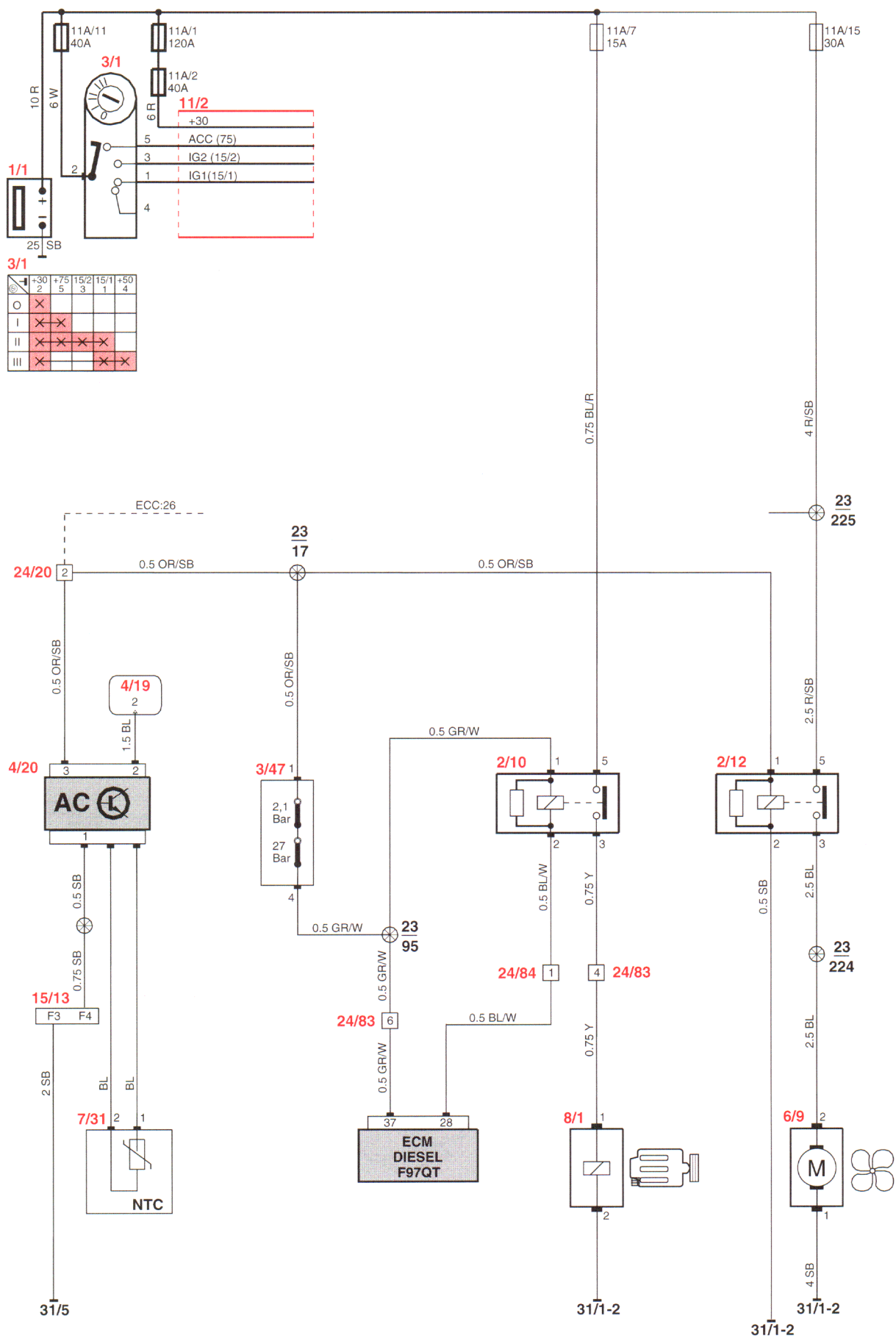
Air conditioning (A/C) compressor, EMS 2000



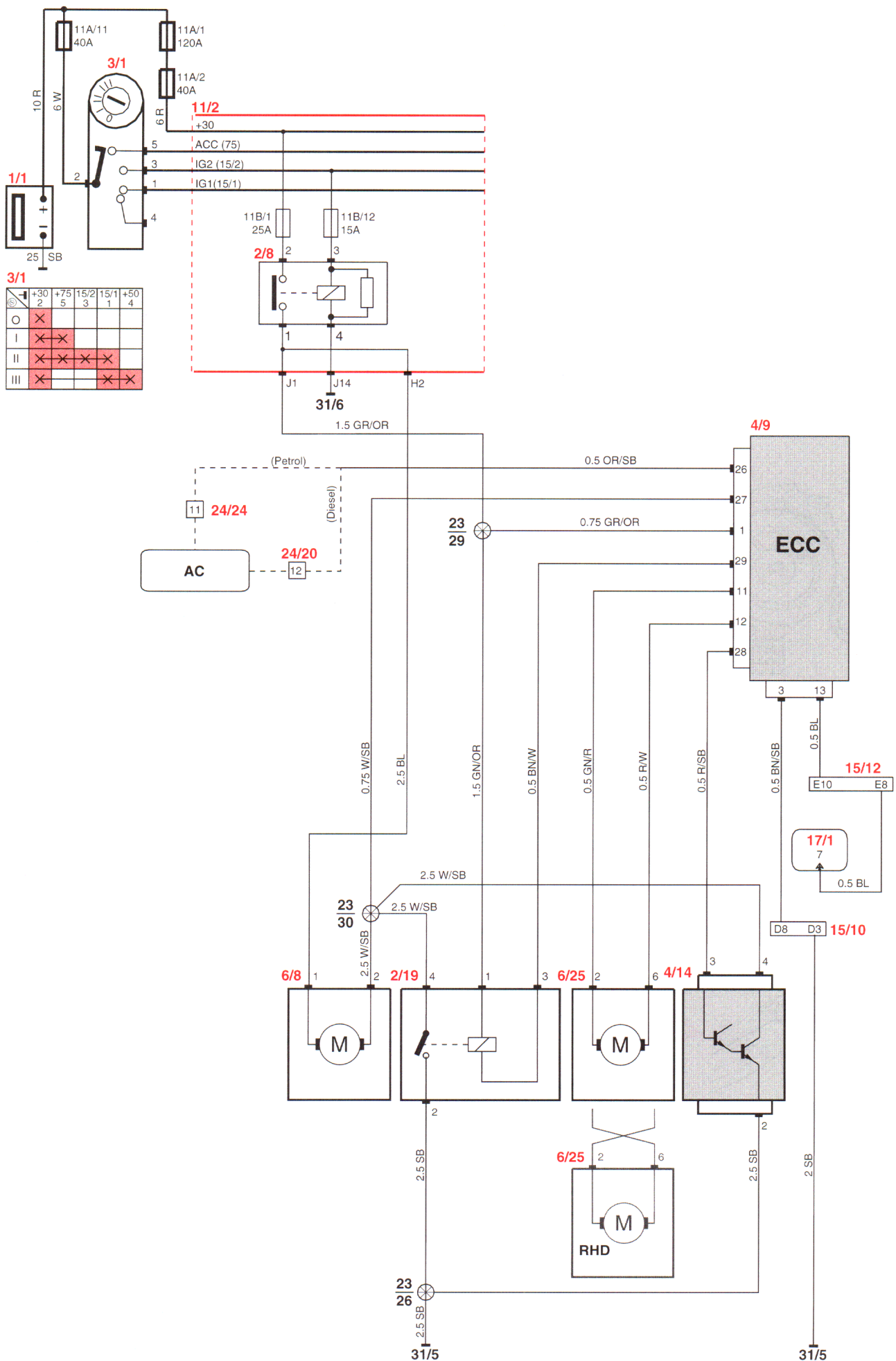
Air conditioning (A/C) compressor, MELCO 1



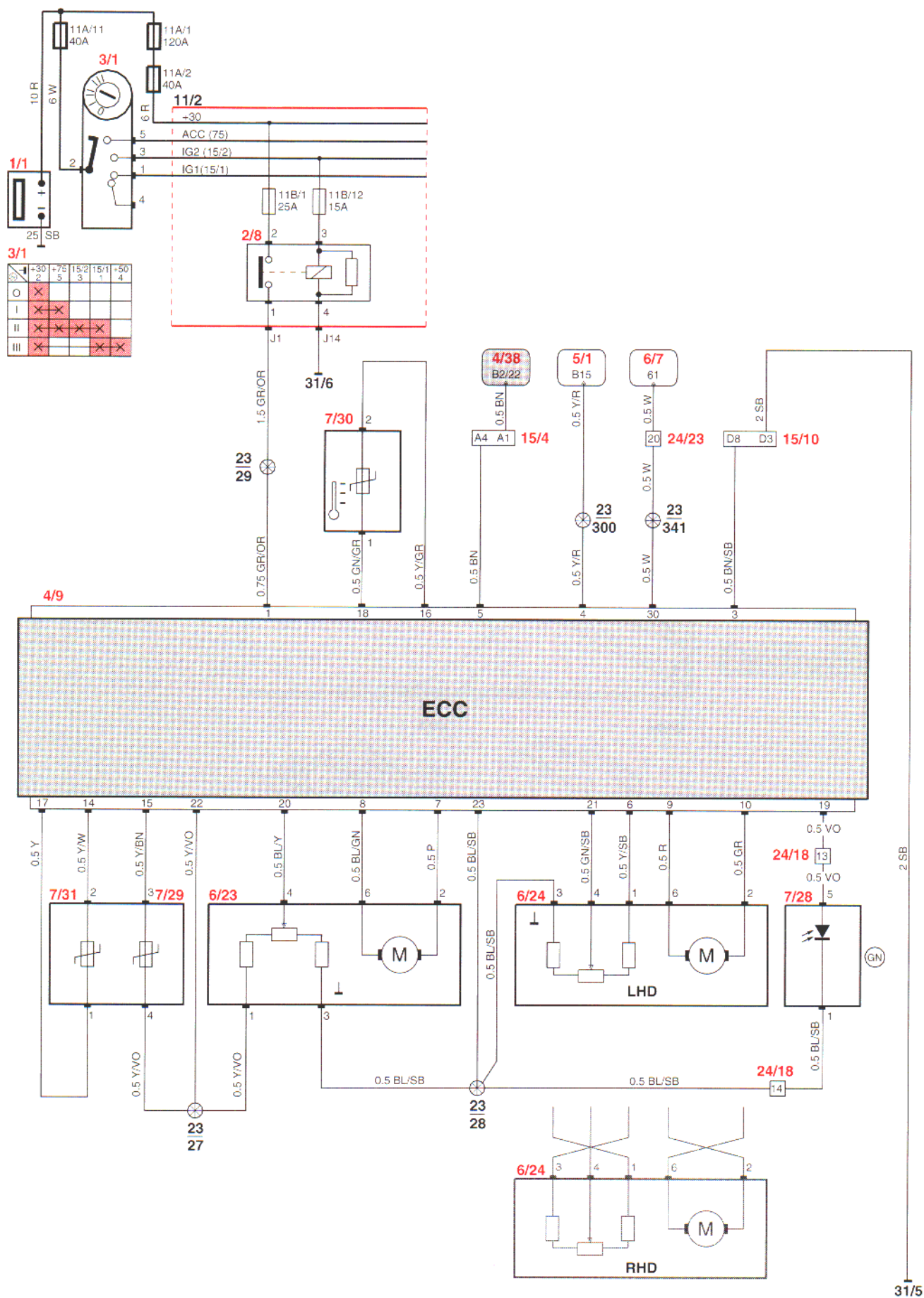
Air conditioning (A/C) compressor, Diesel



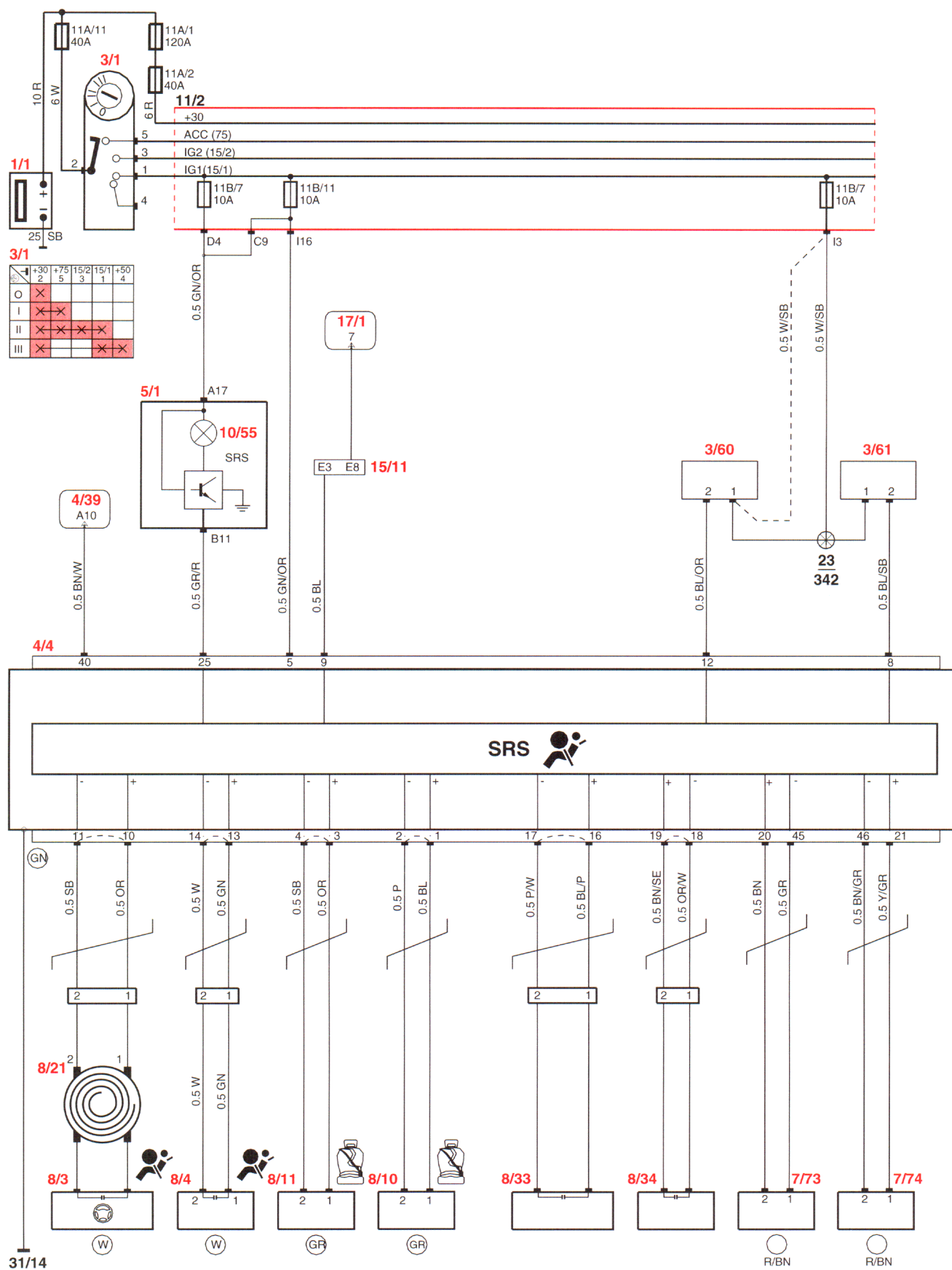
ECC - control module



ECC - control of motors and sensors



Airbag and/or seat belt tensioner



Component list

1/1	Battery	3/37	Lock switch rear windows (in the console)
2/7	Starter motor (immobilizer)	3/38	Switch left rear window
2/8	Heating system	3/39	Switch right rear window
2/9	Heated rear window and door mirrors	3/41	Control power door mirror, driver's side
2/10	Air conditioning (A/C) compressor	3/42	Control power door mirror passenger side
2/11	Engine cooling fan (FC), speed 1	3/43	
2/12	Engine cooling fan (FC) (controlled by the air conditioning A/C)	3/44	Switch automatic transmission to "winter" position
2/13	Condenser fan for A/C	3/45	Switch automatic transmission to "econ/sport" position
2/14	System relay for gasoline and Diesel	3/47	Pressure switch A/C
2/16	Power window driver's door (Autodown)	3/48	Window control, driver's door
2/18	Power windows	3/50	Switch hood
2/19	Maximum speed blower fan motor ECC	3/51	Switch brake pedal for locking gear shift selector
2/21	Turn signal lamps		Shift lock switch
2/23	Shift lock	3/53	Lock switch driver's door
2/28	Engine cooling fan (FC), speed 2	3/54	Wide open throttle switch
2/30	Injectors/ignition MELCO 1	3/55	Control panel power seats
2/31	Fuel pump (FP) MELCO 1	3/56	Switch retracting door mirrors
2/33	System relay MELCO 1	3/57	Switch ignition warning
2/34	Vacuum pump EMS 2000 (Turbo)	3/58	Switch passenger airbag
2/36	Relay glow plugs Diesel	3/59	Seat belt lock driver's seat
2/37	Heater for engine coolant, relay 1		
2/38	Heater for engine coolant, relay 2	4/3	DSA control module
2/39	Seat belt reminder	4/4	SRS control module
2/40	Seat belt reminder/ignition warning	4/5	Cruise control control module
2/41	Accessory relay	4/9	ECC control module
2/42	Trunk lid locking relay	4/11	Power sun roof control module
3/1	Ignition switch	4/12	Information center
3/2	Light switch	4/14	ECC fan motor speed regulation
3/3	Turn indicator/high-low beam switch	4/15	Adjustable resistance for the headlamps beam height adjustment
3/4	Controls cruise control		Dimmer
3/5	Switch warning light	4/16	Immobilizer control module
3/6	Horn switches	4/18	A/C control module
3/7	Switch parking brake	4/19	Air conditioning (A/C) compressor control module
3/10	Switch back-up (reversing) lamp	4/20	Electronic instruments
3/11	Switch windshield wipers	4/23	EMS 2000 control module
3/12	Switch tailgate washer/wiper	4/26	Automatic transmission control module (TCU)
3/13	Power sun roof switch	4/27	ABS 5.3 control module
3/14	Brake pedal switch	4/28	EMS 2000 ignition
3/15	Clutch pedal switch	4/30	Control module MELCO 1
3/16	Front fog lamp switch	4/32	Control module fuel injection system MELCO 1
3/17	Rear fog lamp switch	4/33	Control module ignition system MELCO 1
3/18	Switch recirculation/air conditioning A/C	4/34	Ignition warning control module
3/19	Switch blower fan motor	4/35	Engine control module (ECM) MSA 15.5 D4192T2
3/20	Controls blower fan motor	4/37	CEM (Central Electronic Module)
3/21	Switch windshield washer	4/38	Electronic central unit
3/22	Switch cargo compartment		VGLA control module for lock and alarm
3/24	Switch central locking	4/39	Receiver VGLA
3/25	Lock switch rear door	4/40	Ultrasonic, glass breakage sensor
3/26	Lock switch driver's door	4/41	
3/27	Door switch driver's door		
3/28	Door switch passenger door	5/1	Instrument panel
3/29	Door switch rear left door	5/4	Display trip computer/outside temperature
3/30	Door switch rear right door		
3/31	Switch, heated seat, left		
3/32	Switch, heated seat, right		
3/33	Switch driver's side window (in the console)		
3/34	Switch passenger side window (in the console)		
3/35	Switch left rear window (in the console)		
3/36	Switch right rear window (in the console)		

How to use the diagrams

I Type number

The first part of the component designation indicates which type of component it is.

1	Battery
2	Relay
3	Contact breaker
4	Control modules
5	Instruments
6	Motors
7	Sensors
8	Components
9	Heater pad
10	Lighting
11	Fuses
15	Distribution rails (voltage supply, ground terminal etc.)
16	Audio
17	Diagnostic system
19	Gauges
20	Components (ignition and resistor)
23	Junction in the cable harness
24	Connectors
31	Ground terminals

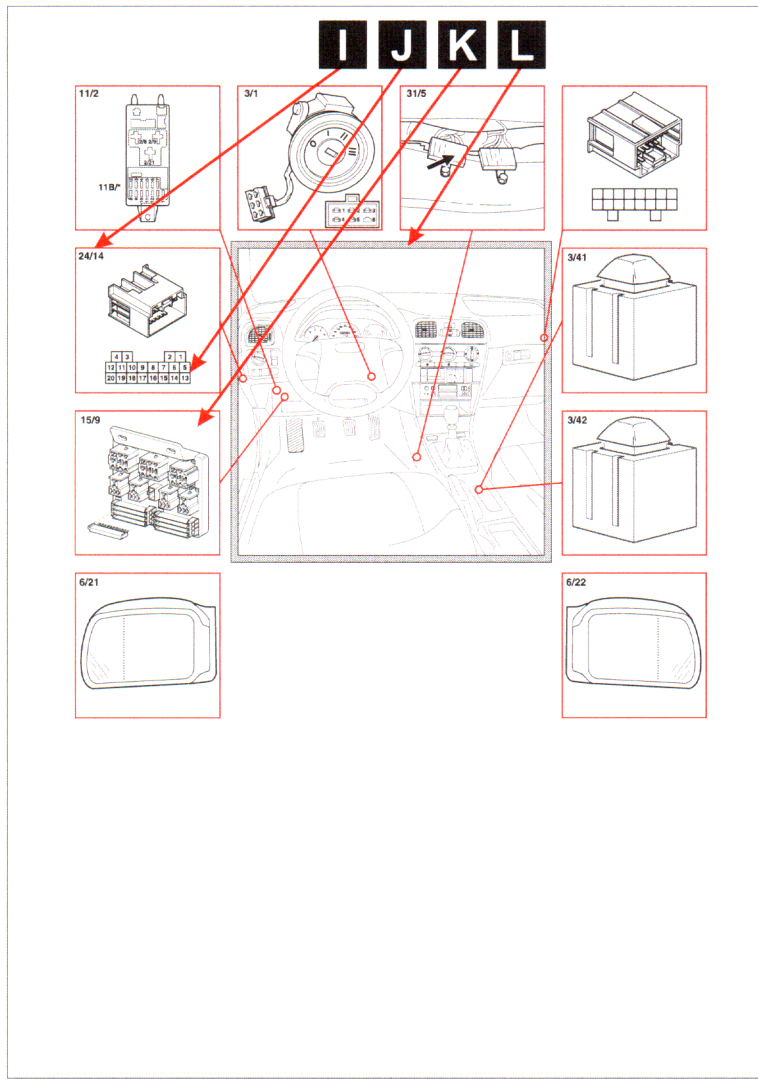
J Terminal diagram for connectors

K Distribution rail

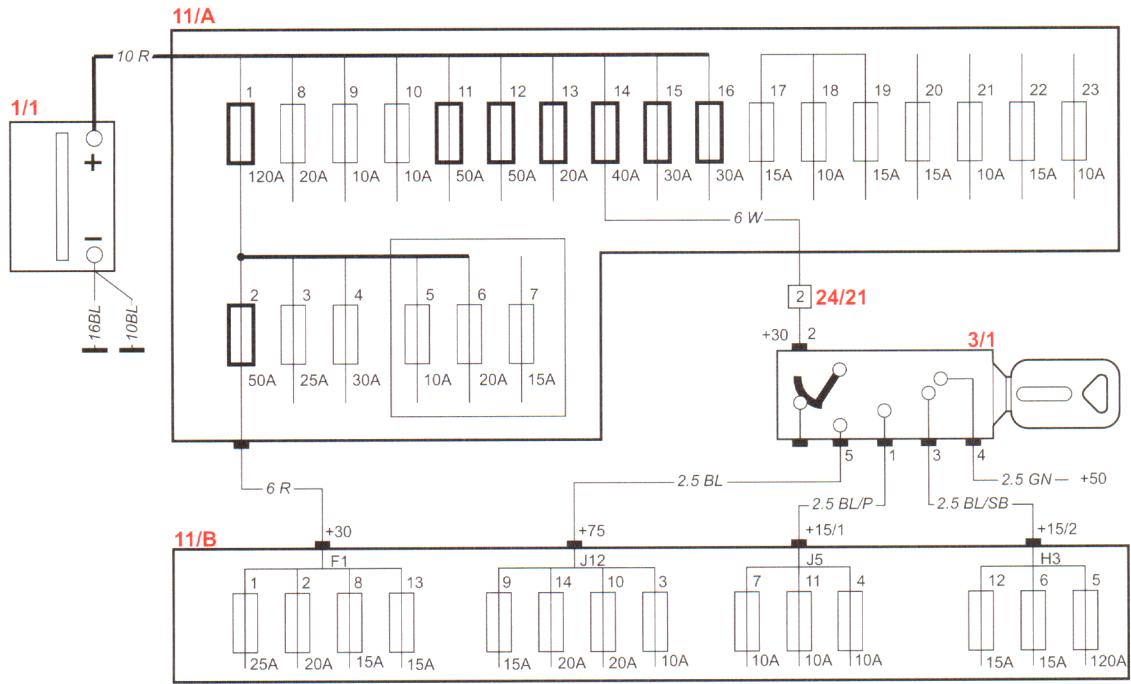
Distribution rail in the relay holder under the dashboard, see "distribution rails".

L Location of components in the car

For the routing of cable harnesses, see "cable harnesses". This also displays where the components and the connectors connect to the cable harness.



Fuses in passenger compartment

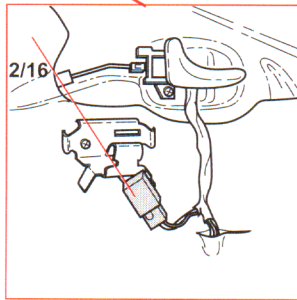
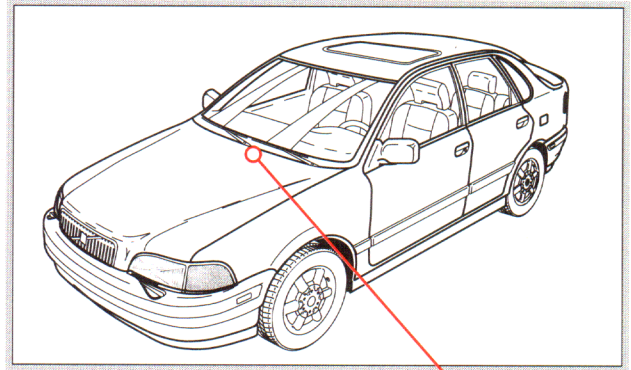
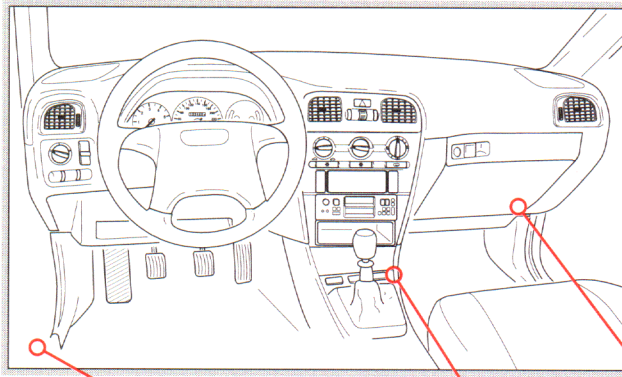


Fuses, 11B

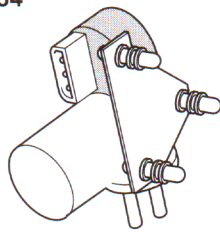
No.	Fuse function	A
1	Blower fan motor, A/C switch, compressor, ECU, ECC	25
2	Accessory (Tow hitch), cigarette lighter	10
3	Power seats, heated door mirrors, power windows, VGLA	20
4	CEM, ABS 5.3	10
5	Heated seats	20
6	Back-up (reversing) lamp, central electronic module (CEM), turn signal lamp	15
7	P-shift lock, VGLA, cruise controls, light switch, seat belt buckle, airbag	10
8	VGLA, hazard warning signal flasher	20
9	Radio	15
10	Windshield wiper switch	20
11	Central locking, SRS(airbag) deadlock position system relay for ECU gasoline and Diesel Diesel fuel shut-off immobilizer	10
12	Sun roof, interior lighting, heated rear window, heated door mirror headlamp, high beam indicator lamp blower fan/heater/Air Conditioning System (A/C System) spotlight relay, alarm horn, seat belt reminder	15
13	Switch brake pedal for locking gear shift selector, stop (brake) lamp	15
14	CEM, headlamp washer motor, washer pump	20

30 = Direct current battery
75 = Accessories
15/1 = Switch for (IG1) (remains connected during start)
15/2 = Switch for (IG2) (connection broken during start)

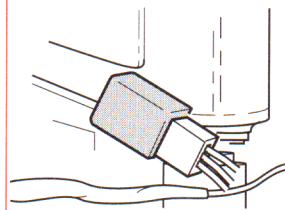
Other relays



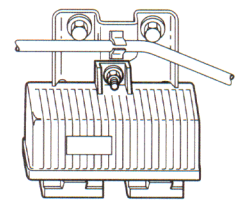
2/34



2/19



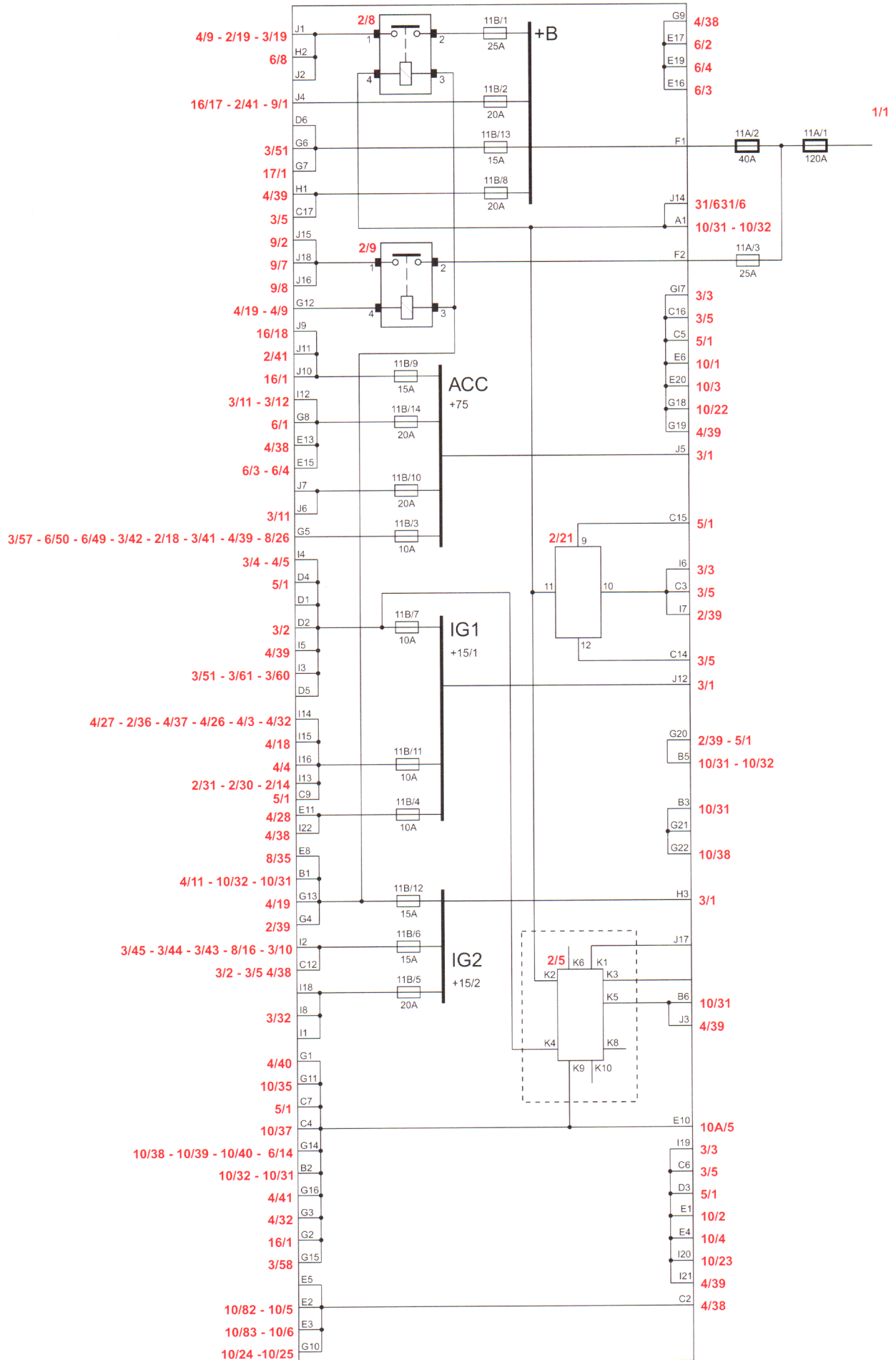
2/36



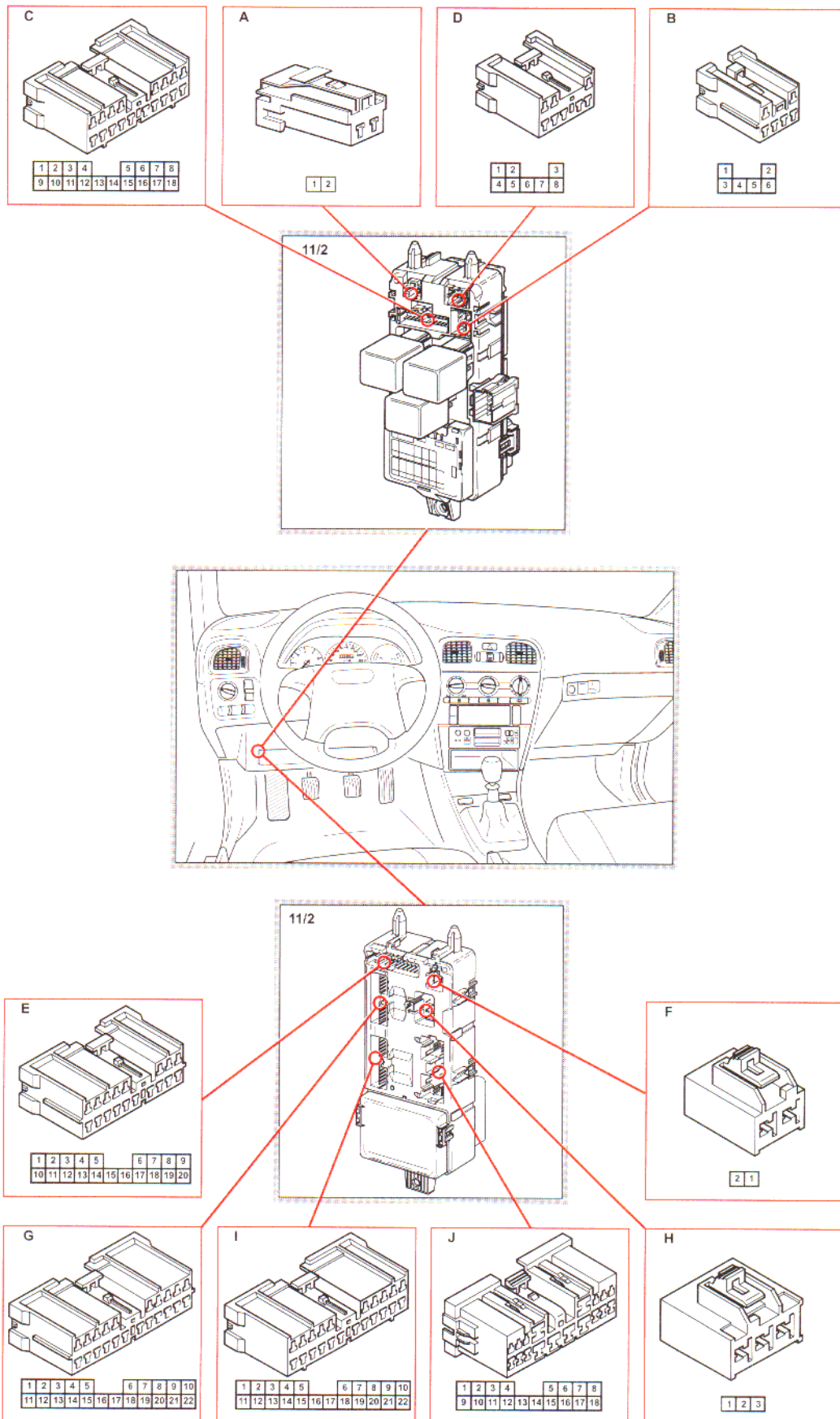
Other relays

1	2/36	Glow plugs Diesel
2	2/34	Relay vacuum pump EMS 2000 Turbo
3	2/16	Relay power window driver's door (Autodown)
4	2/19	Relay maximum speed blower fan motor ECC

Relay box, passenger compartment



Relay box, passenger compartment



15/8	Distribution rail, central locking
C1	VGLA (B2)
C2	Electric motor tailgate (2)
C3	Electric motor right rear door (2)
C4	Electric motor passenger door (2)

15/9	Distribution rail
C8	Control module ignition warning (3)
C9	Door switch driver's door
C10	VGLA (A23)

15/10	Distribution rail, ground terminals
D3	Ground terminal 31/5, 31/6
D4	Ground terminal, power window relay autodown (5) lock switch driver's door (2) heated left door mirrors (5) retractable door mirror, driver's side (5)
D5	Ground terminal, switch high-/low beam
D6	Ground terminal, Data Link Connector (DLC) (4)
D7	Ground terminal, Data Link Connector (DLC) (5)
D8	Ground terminal, ECC (3), Air conditioning A/C (6)
D9	Ground terminal, Control module electronic start inhibitor (Immobilizer) (8)
D10	Ground terminal, switch heated seats (1)
D11	Ground terminal, switch passenger airbag (7)

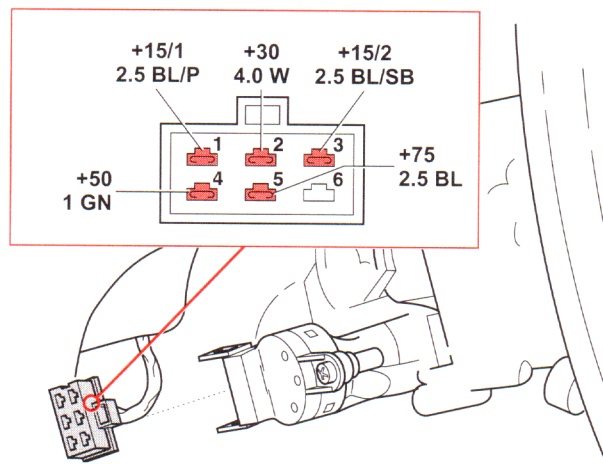
15/11	Distribution rail, on-board diagnostic (OBD) system
E1	Combined instrument panel (B3)
E3	SRS (9)
E4	Immobilizer (3)
E5	VGLA (B19)
E6	DSA (14), Automatic (34)
E8	Data Link Connector (DLC) (7)
E9	ABS (11)
E10	ECC (13)

15/13	Distribution rail, ground terminals
F3	Ground terminal 31/5, 31/6
F4	Ground terminal, brake pedal switch, clutch pedal, ultrasonic sensor (5) rear door lock switch (5) heated door mirrors (5) retractable door mirror passenger side (5) Air conditioning (A/C) compressor control module, Cruise control gasoline (10)
F5	Ground terminal, lean sensor (5)
F6	Ground terminal, central locking switch
F7	Ground terminal, Control module ignition warning (2)
F8	Ground terminal, accessory relay (1)
F9	Ground terminal, glove compartment lighting, dashboard (A13) sun sensor LED (4), switch warning light (3)
F10	Ground terminal, VGLA receiver (4)
F11	Ground terminal, power windows relay (1)

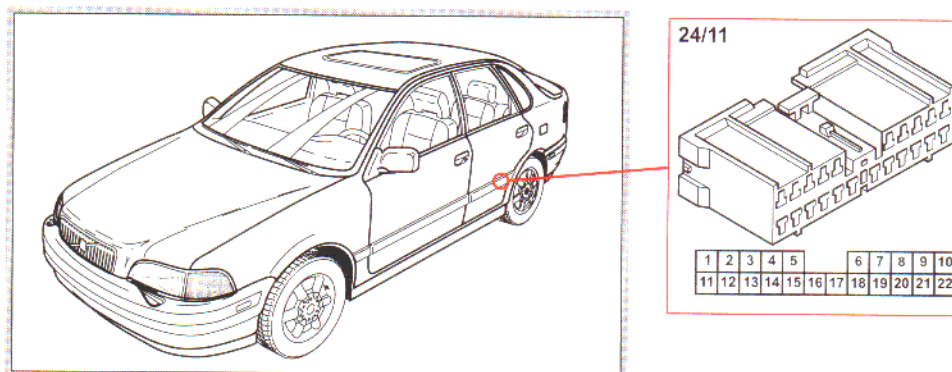
Control modules-overview

4/3	DSA control module
4/4	SRS control module
4/5	Cruise control control module
4/9	ECC control module
4/11	Power sun roof control module
4/18	Immobilizer control module
4/20	Air conditioning (A/C) compressor control module
4/26	EMS 2000 control module
4/27	Control module for automatic transmission
4/28	ABS control module 5.3
4/30	Ignition EMS 2000
4/32	Control module MELCO 1
4/33	Control module for fuel injection system MELCO 1
4/34	Control module for ignition system MELCO 1
4/37	Engine management system MSA 15.5
4/38	CEM (Central Electronic Module)
4/39	VGLA

Ignition switch 3/1



Key position	Function	Voltage on terminal
0 +30		2
I +75	Optional position	2 and 5
II 15/1	Switch in position (switched on by start)	1,2,3 and 5
15/2	Switch in position (switched off by start)	1 and 2
III +50	Start	1,2 and 4



24/11 Passenger compartment - Cargo compartment cable harness 22-pin

Ter.	Female	Male	Color
1	Junction point 23/324	Distribution rail opening door lock (A9) Relay for cargo compartment lock (1)	GN-GR
2	Connector 24/31:4 (S40) Connector 24/29:4 (V40)	Distribution rail deadlock door lock (C2) Junction point 23/1002	DR-W
3	Junction point 23/88	Fusebox in passenger compartment (G14)	R-SB
4	Door switch left rear door (1)	VGLA (B8)	GN-R
5	Roof lamp rear (only V40)	Fusebox in passenger compartment (G22)	GN
6	Turn signal lamp left rear (1,8)	Fusebox in passenger compartment (G18)	BL-Y
7	Junction point 23/275	Central electronic module (CEM), (B1/2)	P
8	Parking lamp left rear (1-2)	Fusebox in passenger compartment (G10)	GR
9	Loudspeaker left rear (1) (S40) Junction point 23/302 (V40)	Radio (2)	Y-SB
10	Loudspeaker left rear (2) (S40) Junction point 23/301 (V40)	Radio (1)	GR-W
11	Lock motor for fuel tank filler cap	Distribution rail closing door lock (B2) VGLA (B22)	BN-SB
12	Rear demist (S40) Connector 24/30:1 (V40)	Fusebox in the passenger compartment (J15)	OR-R
13	Junction point 23/283	Central electronic module (CEM), (B1/10)	GN-R
14	Telescopic antenna (4) (S40) Junction point 23/313 (V40)	Radio (3)	R
15	Stop (brake) lamp (Turbo, MELCO 1, Diesel) Stop (brake) lamp left rear (1,1) (Gasoline)	Central electronic module (CEM), (B1/6)	GN-R
16	Telescopic antenna (2,8) (S40) Connector 24/29:8 (V40), Back-up (reversing) lamp (Turbo)	Central electronic module (CEM), (B1/9)	BN-OR
17	Door switch right rear door	VGLA (B7)	GN-W
18	Turn signal lamp right rear	Fusebox in passenger compartment (I20)	Y-BN
19	Junction point 23/289	VGLA (A19)	BL-BN
20	Driver's side rear fog lamp (2,1) (S40) Connector 24/29:7 (V40)	CEM, (B1/11)	BL
21	Loudspeaker right rear (1) (S40) Junction point 23/304 (V40)	Radio (6)	Y
22	Loudspeaker right rear (2) (S40) Junction point 23/303 (V40)	Radio (5)	GR-W

Connectors

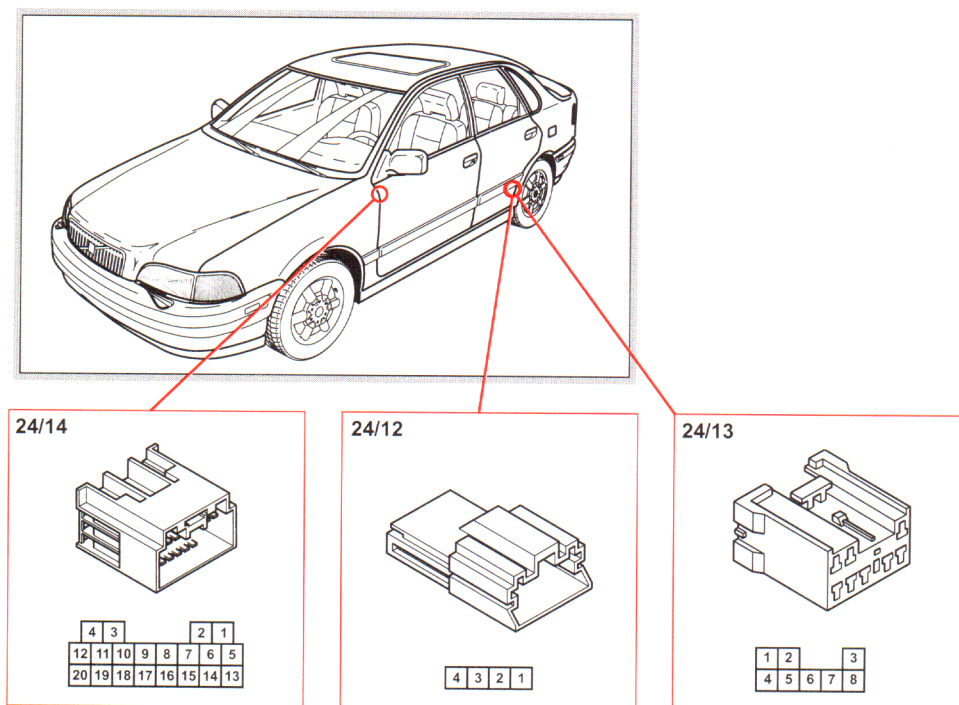
24/12-14

24/12 Passenger compartment - Cargo compartment cable harness 4-pin

Ter.	Female	Male	Color
1	Connector 24/29:9 (V40)	Central electronic module (CEM), (B2/11)	BL-R
2	Connector 24/29:10 (V40)	Central electronic module (CEM), (B2/26)	BL-W
3	Connector accessory	Junction point 23/1001 Fusebox in passenger compartment (J4) (AUS)	Y
4	Junction point 23/1000 (V40)	Fusebox in the passenger compartment (J9)	W

24/14 Passenger compartment - Driver's door cable harness 20-pin

Ter.	Female	Male	Color
1	-	-	-
2	Heating driver's door mirror(4)	Fusebox in passenger compartment (J18)	R-W
3	Motor central locking system driver's door (1) Motor central locking system driver's door (2)	Distribution rail closing door lock (B6) Junction point 23/1002 (USA)	GR-W
4	-	-	-
5	Lock switch driver's door(1)	VGLA (A16)	P-SB
6	Lock switch driver's door (3) (Only remote controlled central locking)	VGLA (A18)	BN
7	Junction point 23/89	Junction point 23/296	BL
8	Junction point 23/323	Distribution rail ground terminal (D4)	SB
9	Window controls, driver's door (5)	Switch window, driver's door (2)	GN
10	Window controls, driver's door (3)	Switch window, driver's door (1)	W
11	Power door mirror, driver's side (2)	Controls power door mirror, driver's side (3)	Y-R
12	Power door mirror, driver's side (3)	Controls power door mirror, driver's side (5)	VO
13	Power door mirror, driver's side (1)	Controls power door mirror, driver's side (1)	P
14	Loudspeaker front door driver's side (2)	Junction point 23/305	W
15	Loudspeaker front door driver's side (1)	Junction point 23/306	BN
16	Motor central locking system driver's door (2) Motor central locking system driver's door (1)	Distribution rail opening door lock (A11) VGLA (A15) (USA)	GN-GR
17	Motor central locking system driver's door (3)	Junction point 23/320 (NOT USA)	Y
18	-	-	-
19	Retracting door mirror, driver's side (7)	Junction point 23/295 (RHD, Japan)	BL-SB
20	Retracting door mirror, driver's side (8)	Junction point 23/316 (RHD, Japan)	GN-R

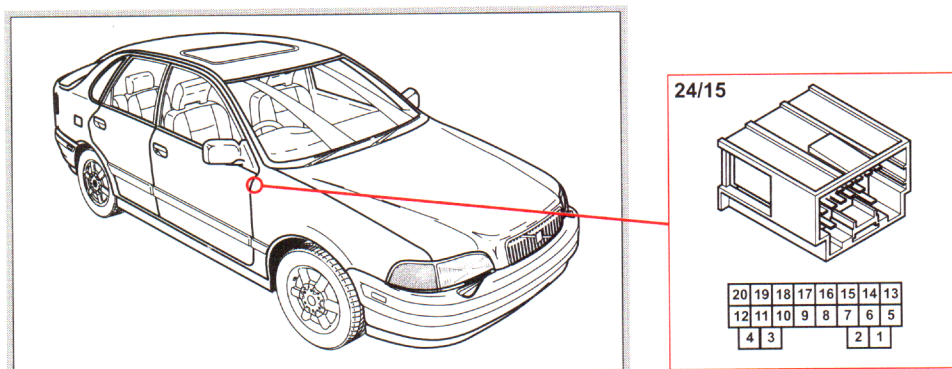


24/13 Passenger compartment - Fuel tank 8-pin

Ter.	Female	Male	Color
1	Fuel level sensor (+)	Instrument panel (17) (Diesel) Junction point 23/177 (Gasoline)	Y-SB
2	Fuel level sensor (-)	Instrument panel (9)	Y
3	Fuel pump (FP) (+)	Connector 24/20:18	BL
4	Junction point 23/253	Ground terminal 31/6, behind instrument (2)	SB
5	Vehicle speed sensor (VSS), left rear wheel, ABS (+)	Connector 24/20:2	GR-R
6	Vehicle speed sensor (VSS), left rear wheel, ABS (-)	Connector 24/20:03	GR
7	Vehicle speed sensor (VSS), right rear wheel, ABS (+)	Connector 24/20:21	BL-GR
8	Vehicle speed sensor (VSS), right rear wheel, ABS (-)	Connector 24/20:22	BL-GN

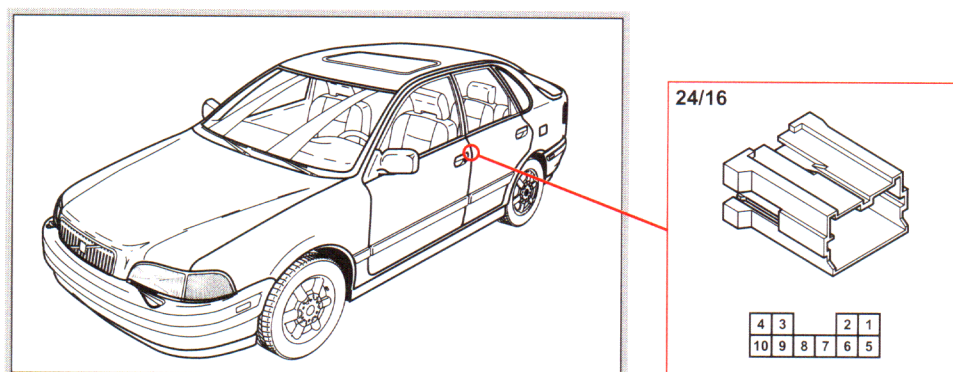
Connectors

24/15



24/15 Passenger compartment - Passenger door cable harness front 20-pin

Ter.	Female	Male	Color
1	-	-	-
2	Heating passenger door mirror(4)	Fusebox in passenger compartment (J16)	R-SB
3	Motor central locking system passenger door (1) Motor central locking system passenger door (2)	Distribution rail deadlock door lock (C6) VGLA (B13) (USA)	OR-W
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	Heating passenger door mirror (5)	Junction point 23/319	SB
9	Window lift mechanism motor, passenger door (2)	window switch, passenger door (2)	GN
10	Window lift mechanism motor, passenger door (1)	Window switch, passenger door (1)	W
11	Power door mirror, passenger side (2)	Controls power door mirror, passenger side (3)	Y-R
12	Power door mirror, passenger side (3)	Controls power door mirror, passenger side (5)	VO
13	Power door mirror, passenger side (1)	Controls power door mirror, passenger side (1)	P
14	Loudspeaker front door passenger side (2)	Junction point 23/307	GR
15	Loudspeaker front door passenger side (1)	Junction point 23/308	GN-Y
16	Motor central locking system passenger door (2) Motor central locking system passenger door (1)	Junction point 23/322 VGLA (B12) (USA)	GN-GR
17	Motor central locking system passenger door (3)	Junction point 23/321 (NOT USA)	Y
18	-	-	-
19	Retracting door mirror, passenger side (7)	Junction point 23/295 (RHD, Japan)	BL-SB
20	Retracting door mirror, passenger side (8)	Junction point 23/316 (RHD, Japan)	GN-R



24/16 Passenger compartment - Rear door cable harness driver's side 10-pin

Ter.	Female	Male	Color
1	Motor central locking system driver's side rear door (2) Motor central locking system driver's side rear door (1)	Distribution rail opening door lock (A10)	GN-GR
2	Switch window left rear 3/38:5	Switch window left rear (in console) 3/35:2	GR-R
3	Motor central locking system driver's side rear door (1) Motor central locking system driver's side rear door (2)	Distribution rail closing door lock (B4) Junction point 23/1002 (USA)	GR-W
4	Motor central locking system driver's side rear door (3)	Junction point 23/320 (Not USA)	Y
5	Power window switch left rear 3/38:4	Junction point 23/50	GN-OR
6	Switch window left rear 3/38:3	Switch window left rear (in console) 3/35:1	Y-W
7	Lock system motor left rear 6/34:1	Junction point 23/325 (Not USA)	BN-SB
8	Lock system motor left rear 6/34:2	Junction point 23/326 (Not USA)	GN-W
9	Lock system motor left rear 6/34:3	VGLA 4/39 (B9) (Not USA)	BN
10	Lock system motor left rear 6/34:4	Junction point 24/17:9 (Not USA)	Y-BN

Connectors

24/17-20

24/17 Passenger compartment - Rear door cable harness passenger side 10-pin

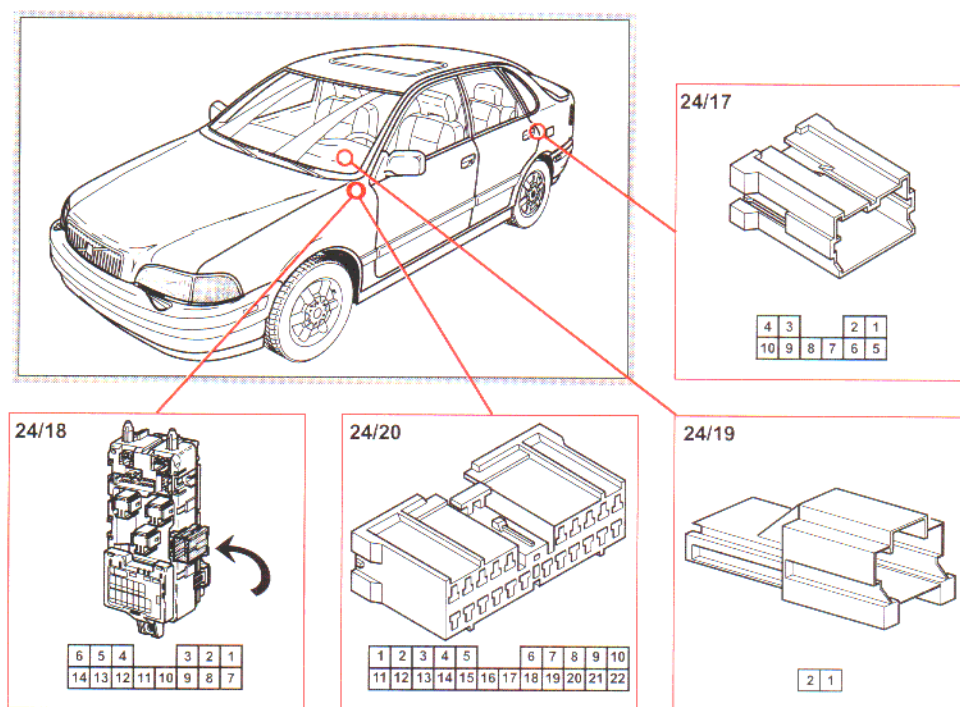
Ter.	Female	Male	Color
1	Motor central locking system passenger side rear door (2) Motor central locking system passenger side rear door (1)	Junction point 23/322	GN-GR
2	Switch window right rear 3/39:5	Switch window right rear (in console) 3/35:2	GR-R
3	Motor central locking system passenger side rear door (1) Motor central locking system passenger side rear door (2)	Distribution rail deadlocking door lock 15/8:C4 Junction point 23/1002 (USA)	GN-GR
4	Motor central locking system passenger side rear door (3)	Junction point 23/321 (Not USA)	Y
5	Power window switch right rear 3/39:4	Junction point 23/50	GN-OR
6	Switch window right rear (in console) 3/36:1	Switch window right rear (in console) 3/36:1	Y-W
7	Junction point 23/325 (Not USA)	Junction point 23/325 (Not USA)	BN-SB
8	Junction point 23/326 (Not USA)	Junction point 23/326 (Not USA)	BN-W
9	Connector (Not USA) 24/16:10	Connector (Not USA) 24/16:10	Y-BN
10	Junction point 23/326 (Not USA)	Junction point 23/326 (Not USA)	BN-W

24/18 Passenger compartment - Dashboard cable harness 14-pin

Ter.	Female	Male	Color
1	Instrument (A18)	Junction point 23/354 (Diesel), 23/356 (Gasoline)	BL-R
2	-	-	-
3	Loudspeaker driver's side (1)	Junction point 23/306	BN
4	Loudspeaker driver's side (2)	Junction point 23/305	W
5	Loudspeaker passenger side (1)	Junction point 23/307	GN-Y
6	Loudspeaker passenger side (2)	Junction point 23/308	GR
7	-	-	-
8	-	-	-
9	-	-	-
10	Junction point 23/291	Distribution rail ground terminal (F9)	SB
11	Sun sensor LED (2)	VGLA (B4)	BL
12	-	-	-
13	Sun sensor (5)	ECC (19)	VO
14	Sun sensor (1)	Junction point 23/18	BL-SB

24/19 Passenger compartment - Cruise control cable harness 2-pin EU/OS

Ter.	Female	Male	Color
1	Brake switch (1) (EU/OS)	Junction point 23/356	BL-R
2	Brake switch (2) (Automatic) Clutch switch(2) (Manual) (EU/OS)	Control module cruise control (3) (EU/OS)	BL-Y



24/20 Passenger compartment - Engine compartment cable harness 22-pin

Ter.	Female	Male	Color
1	Junction point 23/183	Switch horn (6)	GN-SB
2	ABS RL-sensor (9)	Connector 24/13:5	GR-R
3	ABS RL-sensor (8)	Connector 24/13:6	GR
4	ABS EBO (21)	Junction point 23/299	BN-SB
5	EMS 2000 System relay (2) MELCO 1 Junction point 23/191	Fuse 11B/11	VO
6	Vacuum pump cruise control (2)	Control module cruise control (9)	BN-W
7	Vacuum pump cruise control (1)	Control module cruise control (12)	W
8	Vacuum pump cruise control (3)	Control module cruise control (1)	GR-SB
9	Starter motor (1)	Ignition switch (4)	GN
10	ABS diagnostic (11)	Distribution rail on-board diagnostic (OBD) system (E9)	BL
11	Junction point 23/252 Starter relay (2)	24/120:7(USA) Immobilizer (2)	R-SB P-SB
12	Junction point 23/17	Air conditioning (A/C) compressor control module 4/20:3	OR-SB
13	Fuse 11A/6	VGLA (B1) Distribution rail dimmer switch (B8) (USA)	R
14	Hood switch (1)	VGLA (A3)	Y-SB
15	Glass breakage sensor (4)	Junction point 23/328	Y
16	Glass breakage sensor (3)	Junction point 23/329	R-W
17	ABS (26)	Instrument (B16)	BL-R
18	Fuel pump (FP) relay (3)	Connector 24/13:3	BL
19	Alarm horn (2)	VGLA (B14)	W-SB
20	Junction point 23/189	Immobilizer (6)	Y-R
21	ABS RR-sensor (3)	Connector 24/13:7	BL-GR
22	ABS RR-sensor (1)	Connector 24/13:8	BL-GN

Connectors

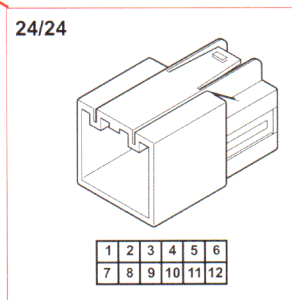
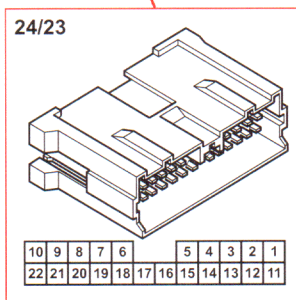
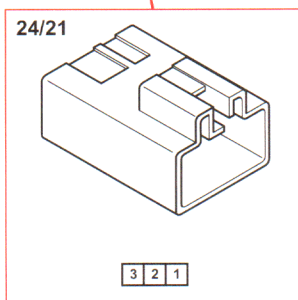
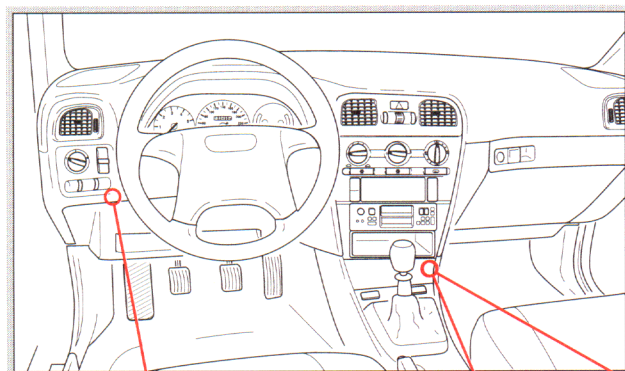
24/21-24

24/21 Passenger compartment - Engine compartment cable harness 3-pin

Ter.	Female	Male	Color
1	Fuse 11A/16	Relay power windows (3)	BL-Y
2	Junction point 23/349	Ignition switch (2)	W
3	Fuse 11A/4	Junction point 23/201	R-W

24/23 Passenger compartment - Engine control module (ECM) cable harness 22-pin

Ter.	Female	Male	Color
1	EMS 2000 (34) MELCO 1 (B3)	Instrument (B23)	BL-Y
2	EMS 2000 (70) MELCO 1 (C11)	Instrument (B7)	P
3	Vehicle speed signal engine control module (ECM)	Instrument (B15)	Y-R
4	Switch, Econ/Sport (Automatic) connector 24/32:4	Fuse 11B/6	Y
5	Spincontr. (1) 23/261-EMS 2000(29) TCU (29)	Fuse 11B/11	GN
6	EMS 2000 (56) MELCO 1 (C7)	Immobilizer (4)	P-W
7	Shift lock solenoid (2)	Stop (brake) lamp switch (3)	Y-BN
8	MELCO 1 (C1)	On-board diagnostic (OBD) system (15)	BN-P
9	Windshield wiper motor (2), position 2	Windshield wiper switch (9)	BL-SB
10	Windshield wiper motor (1), position 1	Windshield wiper switch (10)	BL-R
11	Windshield wiper motor(4), intermittent	Central electronic module (CEM), B2/12	BL-Y
12	Windshield wiper motor (3), return	Fuse 11B/14	BL
13	Oil pressure sensor	Instrument (B20)	Y-W
14	Brake fluid level sensor	Instrument (B14)	BN-SB
15	Engine coolant temperature (ECT) sensor signal, EMS 2000 (11) MELCO 1 (1)	Instrument (B10)	GN-Y
16	MELCO 1 (B9)	Instrument (B12)	BL-W
17	Back-up (reversing) lamp switch (2), connector 24/32:2	Central electronic module (CEM), B1/8	VO-W
18	Connector 24/32:4	Immobilizer (2)	OR
19	Distribution rail on-board diagnostic (OBD) system (E6)	TCU (34)	P-SB
20	Generator signal (61)	Junction point 23/341 Instrument (B13)	W
21	DSA control module (16)	Instrument (B22)	GR
22	-	-	-



24/24 Passenger compartment - Engine cable harness 12-pin

Ter.	Female	Male	Color
1	MELCO 1 (B4) Junction point 23/333 TCU AW (7)	CEM (B1/4)	OR-W
2	MELCO 1 (D2)	Passenger compartment fusebox (G3)	BL-R
3	-	-	-
4	Junction point 23/177	Temperature sensor MELCO 1 (2)	Y-SB
5	EMS 2000 (35)	Connector not named (5) (USA)	W
6	EMS 2000 (41)	Connector not named (6) (USA)	GN-W
7	TCU AW (6)	Instrument (B6)	BL-OR
8	EMS 2000 (40) MELCO 1 (B12) Fuel consumption	Instrument (B5)	BN-GR
9	Distribution rail opening door lock	Automatic transmission gear selector light (2)	BN
10	Junction point 23/273	ECU (2)	P
11	EMS 2000 (88) MELCO 1 connector 24/64:11	ECC (26) AC ECU (3)	OR-SB
12	-	-	-

Connectors

24/25-27

24/25 Starter motor 1-pin

Ter.	Female	Male	Color
1	-	Starter motor	Y-SB

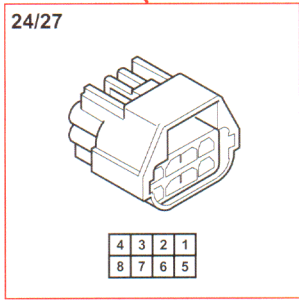
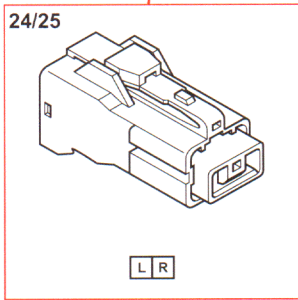
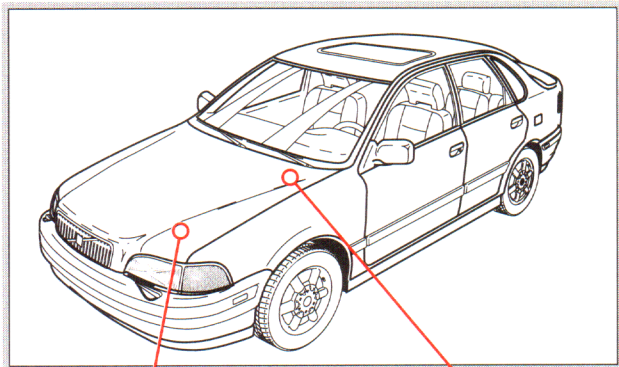
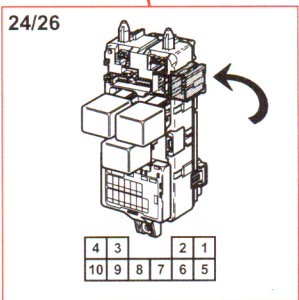
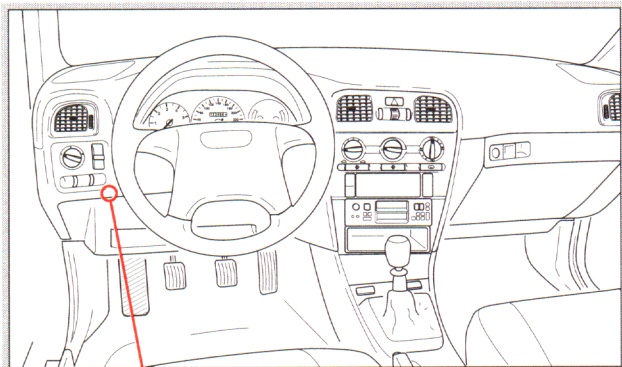
24/26 Engine compartment - Dashboard cable harness 10-pin

Ter.	Female	Male	Color
1	Junction point 23/274	Adjustable resistor height adjust. headlamp 4/15:1.1	GR
2	Junction point 23/13	Adjustable resistor height adjust. headlamp 4/15:1.3	P
3	Junction point 23/5	Adjustable resistor height adjust. headlamp 4/15:1.2	BL-SB
4	-	-	-
5	-	-	-
6	Outside temperature sensor trip computer 7/3:2	Instrument panel 5/1:A12	Y-SB
7	Outside temperature sensor trip computer 7/3:1	Instrument panel 5/1:A19	P-SB
8	Windshield washer reservoir level sensor 7/10:1	Instrument panel 5/1:A1	Y-GR
9	ABS control module 4/28:13	Instrument panel 5/1:A2	GN-Y
10	-	-	-

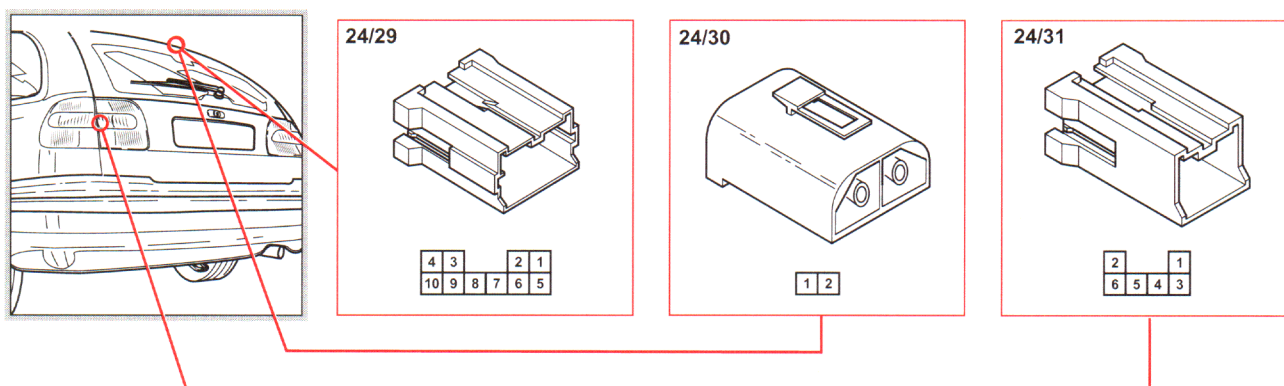
24/27 Engine compartment - Engine cable harness 8-pin

Ter.	Female	Male	Color
1	Air conditioning (A/C) compressor relay (2)	EMS 2000 (68)	BL-R
2	Junction point 23/251	Junction point 23/257	R
3	Junction point 23/250	Junction point 23/254	Y-R
4	Pressure sensor A/C Turbo (1)	Junction point 23/261 EMS 2000 (77)	GN-SB
5	Pressure sensor A/C Turbo (2)	EMS 2000 (14)	BL-P
6	Pressure sensor A/C Turbo (3)	Junction point 23/160	VO-W
7	Intake air temperature (IAT) sensor (1)	EMS 2000 (48)	GR
8	Intake air temperature (IAT) sensor (2)	Junction point 23/159	P-SB

Connectors 24/25-27



Connectors 24/29-31



24/29 Tailgate - Cargo compartment carpet V40 10-pin

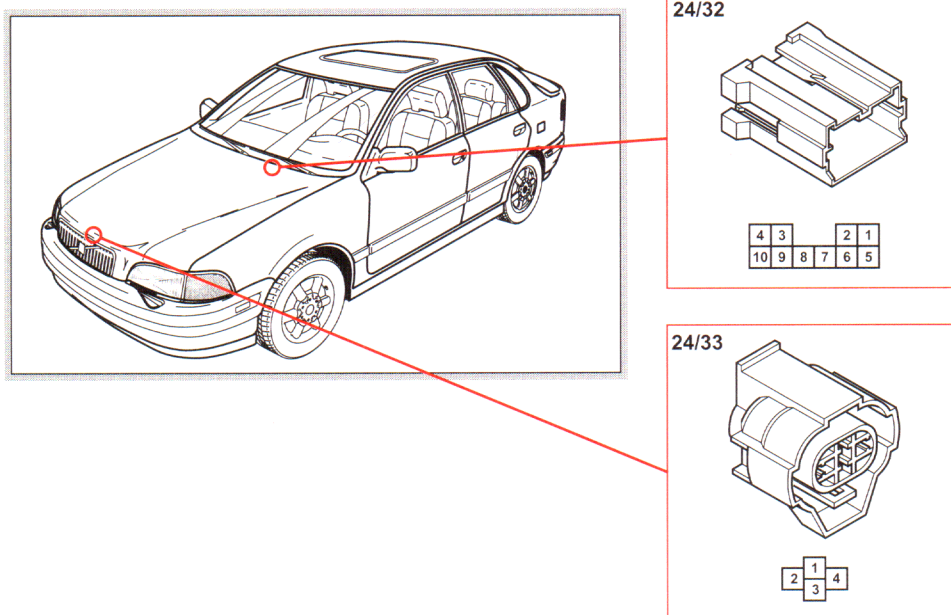
Ter.	Female	Male	Color
1	High-mounted stop (brake) lamp V40 10/17:1	Junction point 23/283	BN-SB
2	-	-	-
3	Cargo compartment central locking motor 6/32:1	Junction point 23/324	GN-GR
4	Cargo compartment central locking motor 6/32:2	Connector 24/11:2	GR-W
5	Switch cargo compartment 3/22	Junction point 23/289	BL-BN
6	Junction point 23/123	Junction point 23/275	P
7	Fog lamp driver's side 10/30:1	Connector 24/11:20	BL
8	Connector 24/11:16	Back-up (reversing) lamp V40	VO-W
9	Wiper motor rear windshield V40 6/11:3	Connector 24/12:1	BL-R
10	Wiper motor rear windshield V40 6/11:2	Connector 24/12:2	BL-W

24/30 Tailgate - Cargo compartment carpet V40 2-pin

Ter.	Female	Male	Color
1	Heated rear windshield 9/2	Connector 24/11:12	GR-R
2	Ground terminal 31/9	Junction point 23/96	SB

24/31 Tailgate - Cargo compartment cable harness S40 6-pin

Ter.	Female	Male	Color
1	Junction point 23/123	Junction point 23/275	BL-R
2	Junction point 23/122	Junction point 23/280	BN
3	Central locking motor trunk lid 6/32:1	Junction point 23/324	
4	Central locking motor trunk lid 6/32:2	Junction point 24/11:2	OR-W
5	Cargo compartment central locking motor 3/22	Junction point 23/289	BL-BN
6	-	-	-



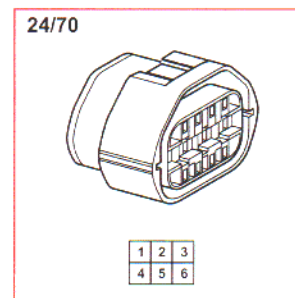
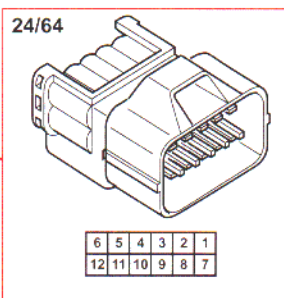
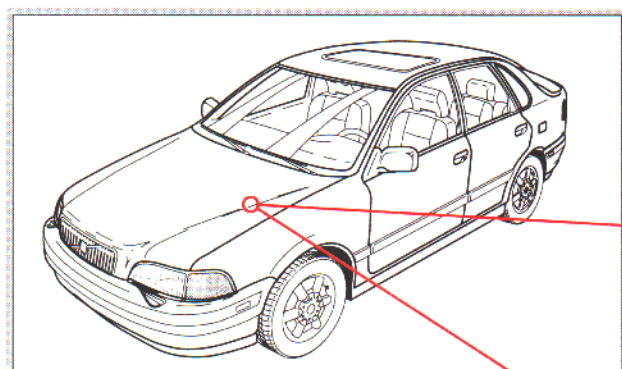
24/32 Engine - Automatic transmission cable harness 10-pin

Ter.	Female	Male	Color
1	Shift lock 3/23	Junction point 23/273	P
2	Shift lock 3/23	Connector 24/23:17	VO-W
3	Shift lock 3/23	Junction point 23/268	Y
4	Shift lock 3/23	Connector 24/23:18	P-SB
5	Shift lock switch 3/53:B	Automatic transmission control module TCU 4/27:37	BL-R
6	Shift lock switch 3/53:A	Automatic transmission control module TCU 4/27:23	Y-R
7	Shift lock switch 3/53:PA	Automatic transmission control module TCU 4/27:22	R-W
8	Shift lock switch 3/53:C	Automatic transmission control module TCU 4/27:9	Y-SB
9	-	-	-
10	Shift lock 3/53:PG	Junction point 23/271	SB

24/33 Engine compartment harness - Engine cooling fan (FC) Diesel 4-pin

Ter.	Female	Male	Color
1	Motor engine cooling fan (FC) 6/9:1	Ground terminal 31/1-2	SB
2	Motor engine cooling fan (FC) 6/9:2	Junction point 23/224 Engine cooling fan (FC) speed 1 2/11:3	BL
3	-	-	-
4	Motor engine cooling fan (FC) 6/9:4	Engine cooling fan (FC) speed 2 2/28:3	R

Connectors 24/64-70

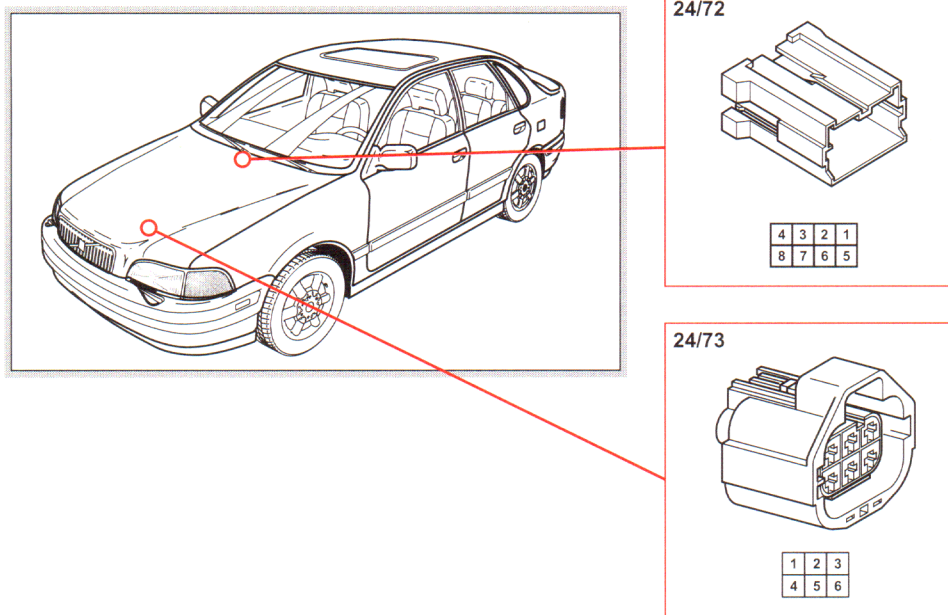


24/64 Engine compartment - Engine cable harness 12-pin

Ter.	Female	Male	Color
1	Junction point 23/252 Fuse 11A/21 MELCO 1	Junction point 23/265 Junction point 23/192 MELCO 1	R-SB
2	System relay (1) System relay (2/33:1) MELCO 1	EMS 2000 (10) MELCO 1 4/32:B1	GN GN-SB
3	Starter motor relay (2)	Junction point 23/273 Connector 24/23:18	P
4	Air conditioning (A/C) compressor relay (3) Control acknowledgement 7/65 MELCO 1	Air conditioning (A/C) compressor magnetic clutch (1) MELCO 1 4/32:B2	Y GN-Y
5	Heater unit fan relay (2) Blower fan speed 1 (2/11:2) MELCO 1	EMS 2000 (38) MELCO 1 4/32:C3	BL-GR GR-OR
6	Relay A/C fan (2) Heater unit fan relay (2) Junction point (23/348:1) MELCO 1	EMS 2000 (8) MELCO 1 4/32:B10	GN-GR GR-W
7	Air conditioning (A/C) fan relay (2) Condenser fan (2/13:2) MELCO 1	EMS 2000 (69) MELCO 1 4/32:B10	BL-OR
8	Canister purge (CP) valve (1) 2/31:2 Fuel pump (FP) MELCO 1	EMS 2000 (4) MELCO 1 4/32:A18	Y-VO W
9	ABS control module (25) Junction point 23/274	Junction point 23/168, EMS 2000 (52) MELCO 1 4/32:C5	GR-W GR
10	ABS control module (23) Injector/Ignition (2/30:1) MELCO 1	Control module DSA (4) MELCO 1 4/32:A20	Y-R Y
11	ABS control module (24) Pressure switch (3/47:1) MELCO 1	Control module DSA (12) Connector 24/24:11 MELCO 1	BL-Y OR-SB
12	Junction point 23/167	Control module DSA (3)	BL-R

24/70 Engine compartment - Engine cable harness 8-pin, MELCO 1

Ter.	Female	Male	Color
1	Air conditioning (A/C) compressor (2/10:2) MELCO 1	MELCO 1 4/32:A6	BL-R
2	Junction point 23/343	Junction point 23/186	R
3	Injection/Ignition 2/30:3 MELCO 1	Junction point 23/195	R-W
4	Starter motor relay 2/7:5	Junction point 23/345	Y-SB
5	Connector 24/70:5	Connector 24/73:5	BN
6	-	-	-



24/72 Engine cable harness - ABV

8-pin, MELCO 1

Ter.	Female	Male	Color
1	EGR stepper motor 6/51:2	Junction point 23/192	R-SB
2	By-pass valve 8/28:1	MELCO 1 4/32:A24	VO
3	EGR stepper motor 6/51:1	MELCO 1 4/32:B15	GR
3	EGR stepper motor 6/51:3	MELCO 1 4/32:B16	BL
5	EGR stepper motor 6/51:5	Junction point 23/192	R-SB
6	By-pass valve 8/29:1 air on/off	MELCO 1 4/32:A11	P
7	EGR stepper motor 6/51:4	MELCO 1 4/32:B7	W
8	EGR stepper motor 6/51:6	MELCO 1 4/32:B8	GN-W

24/73 Engine - Battery cable harness

6-pin, MELCO 1

Ter.	Female	Male	Color
1	MELCO 1 4/32:B6	Generator (GEN) 6/7:4	P
2	-	-	-
3	Junction point 23/345	Starter motor	Y-SB
4	MELCO 1 4/32:B14	Generator (GEN) 6/7:1	BL-R
5	Connector 24/70:5	Generator (GEN) 6/7:3	BN
6	Connector 24/23:20	Generator (GEN) 6/7:61	W

Connectors

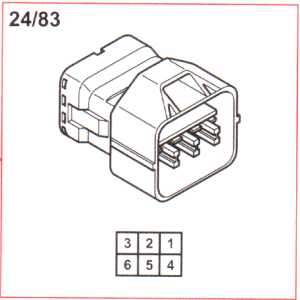
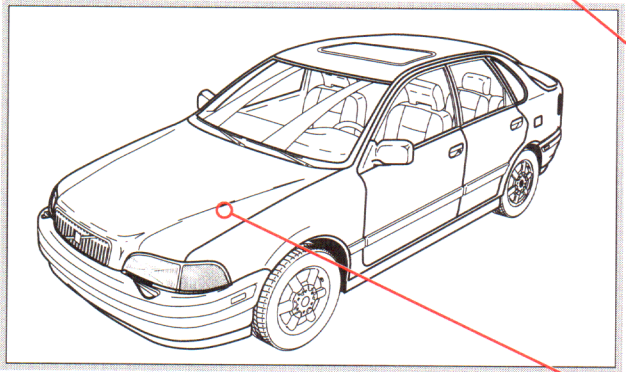
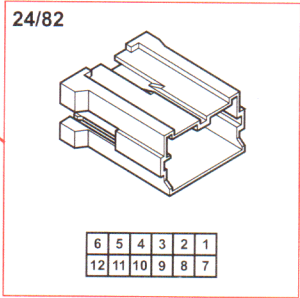
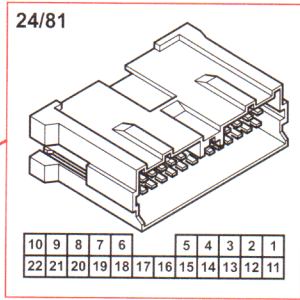
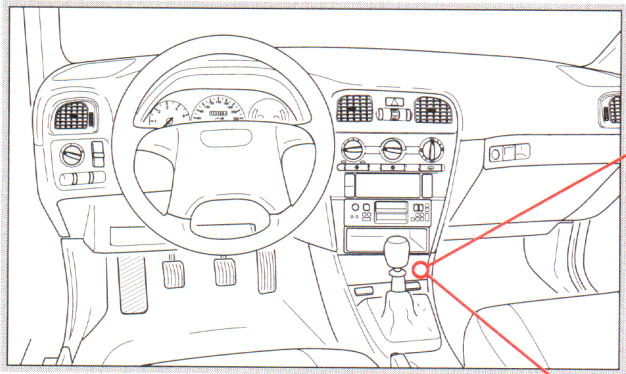
24/81-83

24/81 Passenger compartment - Engine compartment cable harness 22-pin, Diesel

Ter.	Female	Male	Color
1	MSA 15.5 (26)	Instrument (B23)	BL-Y
2	MSA 15.5 (2)	Instrument (B7)	P
3	MSA 15.5 (43)	Instrument (B15)	Y-R
4	-	-	-
5	MSA 23/216 15.5 (38)	Fuse 11B/11	GN
6	MSA 15.5 (59)	Immobilizer (4)	P-W
7	MSA 15.5 (61)	On-board diagnostic (OBD) system (11)	Y-BN
8	MSA 15.5 (66)	On-board diagnostic (OBD) system (15)	BN-P
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	Engine coolant temperature (ECT) sensor signal Diesel (2)	Instrument (B10)	GN-Y
16	Engine coolant temperature (ECT) sensor signal Diesel (4)	Instrument (B12)	BL-W
17	-	-	-
18	MSA 15.5 (34)	Cruise control control (3)	OR
19	MSA 15.5 (58)	Cruise control control (4)	BL
20	Generator (GEN) signal (61)	Instrument (B13)	W
21	MSA 15.5 (54)-Glow plugs	Instrument (B22)	GR
22	MSA 15.5 (62)	Cruise control control (5)	GN-R

24/82 Passenger compartment - Engine compartment cable harness 12-pin, Diesel

Ter.	Female	Male	Color
1	MSA 15.5 (44)	CEM (B1/4)	OR-W
2	MSA 15.5 (18)	Junction point 23/354	BL-R
3	MSA 15.5 (65)	Accelerator pedal (AP) position sensor (A2)	VO-W
4	Junction point 23/210	Accelerator pedal (AP) position sensor (A1)	Y-GR
5	MSA 15.5 (15)	Accelerator pedal (AP) position sensor (B2)	R-W
6	MSA 15.5 (57)	Accelerator pedal (AP) position sensor (B1)	BL-SB
7	MSA 15.5 (55)	Accelerator pedal (AP) position sensor (B3)	Y-W
8	MSA 15.5 (32) Fuel consumption	Instrument (B5)	BN-GR
9	MSA 15.5 (17)	Clutch switch (2)	R-SB
10	MSA 15.5 (20)	Brake switch (2)	VO
11	-	-	-
12	-	-	-



24/83 Engine compartment - Engine cable harness 6-pin, Diesel

Ter.	Female	Male	Color
1	Junction point 23/351	Junction point 23/352	R-SB
2	System relay 2/14:1	MSA 15.5 4/37:42	W-SB
3	Engine coolant heater relay 2/37:2	MSA 15.5 4/37:27	GN-GR
4	Air conditioning (A/C) compressor 2/10:3	Air conditioning (A/C) compressor magnetic clutch 8/1:1	Y
5	Engine coolant heater relay 2/38:2	MSA 15.5 4/37:47	GN-OR
6	Junction point 23/95	MSA 15.5 4/37:37	GR-W

Connectors

24/84-120

24/84 Engine compartment - Engine cable harness 4-pin, Diesel

Ter.	Female	Male	Color
1	Air conditioning (A/C) compressor 2/10:2	MSA 15.5 4/37:28	BL-W
2	Junction point 23/350	Junction point 23/214	R
3	Engine coolant heater relay 2/37:5	Coolant heater element 9/14:2	R-W
4	Engine coolant heater relay 2/38:5	Coolant heater element 9/14:1	R-W

24/90 Engine - Ignition system cable harness 6-pin, EMS 2000

Ter.	Female	Male	Color
1	Junction point 23/259	Junction point 23/257	R
2	Ignition coil 4/30-1:1 (cyl 1-4)	EMS 2000 4/26:32	GN
3	Ignition coil 4/30-2:2 (cyl 2-3)	EMS 2000 4/26:1	GN
4	Junction point 23/260	Junction point 23/264	SB
5	CVVT valve 7/79:2	EMS 2000 4/26:62	BL-GR
6	-	-	-

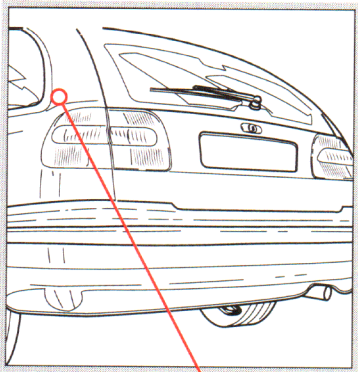
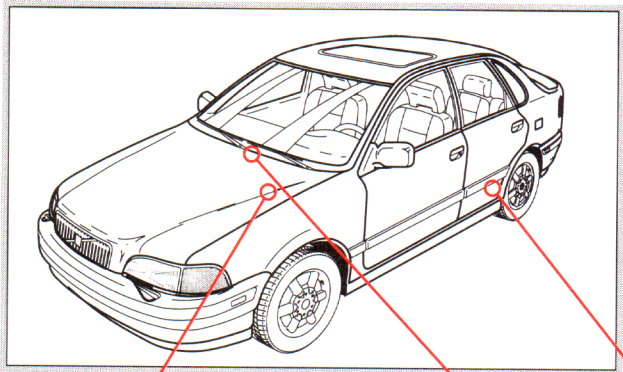
24/91 Cargo compartment cable harness - Accessory cable harness 4-pin

Ter.	Female	Male	Color
1	Connector accessory	Junction point 23/283	BN-SB
2	Connector accessory	Junction point 31/12 (S40) 31/9 (V40)	SB
3	Connector accessory	Connector 24/12:3	Y
4	Connector accessory	Junction point 23/1000 (Active bass speakers) Connector 24/12:4 (no active bass speaker)	Y-R

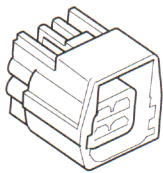
24/120 Passenger compartment - Cargo compartment cable harness 8-pin, USA

Ter.	Female	Male	Color
1	Connector 24/29:9	CEM, (B2/11)	BL-R
2	Connector 24/29:10	CEM, (B2/26)	BL-W
3	Accessory switch (3)	Junction point 23/1001	Y
4	Junction point 23/1000	Fusebox in passenger compartment (J9)	W
5	Leak diagnostic pump (3)	Connector 24/24:5	W
6	Leak diagnostic pump (4)	Connector 24/24:6	GN-W
7	Leak diagnostic pump (2)	Connector 24/20:11	R-SB
8	Lock motor for fuel tank filler cap (2)	VGLA (A2)	GN-SB

Connectors
24/84-120

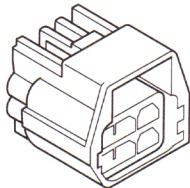


24/84



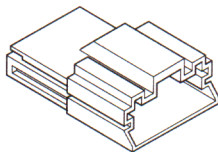
2	1
4	3

24/90



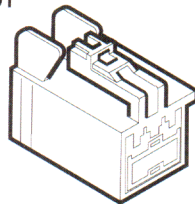
1	2	3
4	5	6

24/120



3			2	1
8	7	6	5	4

24/91



2	1
4	3

23/59

31/12	Ground terminal (RHD)
10/23:2	Right turn signal lamp rear

23/89

2/16:3	Power window driver's door (Autodown)
3/48:4	Window control driver's door
24/14:7	Connector

23/95

3/47:4	Pressure switch A/C
2/10:1	Air conditioning (A/C) compressor
24/83:6	Connector

23/96

-	Tailgate V40
6/11:1	Wiper motor tailgate V40
24/30:2	Connector
9/2	Heated rear window
10/17:5	High level stop (brake) lamp (center) V40
3/22	Cargo compartment switch
23/122	Junction point

23/103

10/31:6	Roof lamp with reading lamps
10/37:2	glove compartment lighting
10/36:2	Vanity mirror lighting
10/33:3	Left rear reading lamp
10/34:3	Left rear reading lamp
4/11:2	Sun roof control module
11/2:A1	Passenger compartment fusebox

23/106

11/2:B1	Passenger compartment fusebox
10/31:1	Roof lamp with reading lamps
4/11:1	Sun roof control module

23/117

2/36:C1	Glow plug relay MSA 15.5
2/36:C2	Glow plug relay MSA 15.5
4/37:30	MSA 15.5

23/122

10/21	Tail lamp, left (S40, V40)
10/26	Tail lamp, left (V40)
10/20	Tail lamp, right (S40, V40)
10/27	Tail lamp, right (V40)

23/123

10/21	Tail lamp, left (S40, V40)
10/26	Tail lamp, left (V40)
10/20	Tail lamp, right (S40, V40)
10/27	Tail lamp, right (V40)

23/152

31/28	Ground terminal
7/9:2	Brake fluid level sensor
6/1:5	Windshield wiper motor
3/55:1	Kick-down switch
23/32:10	Connector
9/13:2	Crankcase ventilation

23/157

2/11:1	Engine cooling fan (FC)(speed 1) (EMS 2000)
2/11:5	Engine cooling fan (FC)(speed 1) (EMS 2000)
2/28:1	Engine cooling fan (FC)(speed 2) (Turbo) (EMS 2000)
2/28:5	Engine cooling fan (FC)(speed 2) (Turbo) (EMS 2000)
1A/15	Fuse (EMS 2000)

23/158

7/52:2	Engine coolant temperature (ECT) sensor
7/77:2	MAP sensor
4/26:73	EMS 2000

Junction points 23/159-188

23/159

7/27:3	Camshaft position (CMP) sensor
24/27:8	Connector
4/26:79	EMS 2000 (Turbo)

23/160

4/26:74	EMS 2000
7/77:1	Manifold absolute pressure (MAP) sensor (USA)
24/27:6	Connector

23/161

4/26:77	EMS 2000
7/48:2	Altitude meter (Turbo)
7/25:A	Throttle position (TP) sensor (USA)
24/27:4	Connector

23/162

4/26:75	EMS 2000
7/15:3	Heated oxygen sensor (HO2S)
7/47:3	Heated oxygen sensor (HO2S)

23/165

24/23:19	Connector
4/3:14	Control module DSA
4/27:34	Automatic transmission control module

23/167

4/28:26	ABS control module
24/20:17	Connector
24/64:12	Connector

23/168

4/3:2	Control module DSA
4/26:52	EMS 2000
24/64:9	Connector

23/170

4/28:17	ABS control module
4/28:18	ABS control module
11A/12	Fuse

23/177

5/1:B17	Instrument panel
24/24:4	Connector
24/13:1	Connector

23/183

24/20:1	Connector
16/9:2	Signal horn 1
16/16:2	Signal horn 2

23/186

4/32:A2	MELCO 1
4/32:A15	MELCO 1
24/64:8	Connector
24/70:2	Connector
7/57:1	Camshaft position (CMP) sensor
7/60:4	Sensor air temperature/pressure/flow

23/187

4/32:D12	MELCO 1
7/61:1	Transmission oil temperature sensor
7/15:1	Heated oxygen sensor (HO2S)
7/60:3	Sensor air temperature/pressure/flow
7/62:1	Engine coolant temperature (ECT) sensor
7/58:1	Fuel tank pressure sensor
7/63:2	Brake vacuum sensor
7/59:4	Throttle position sensor

23/188

4/32:D1	MELCO 1
7/63:3	Brake vacuum sensor
7/59:1	Throttle position sensor
7/60:7	Sensor air temperature/pressure/flow

23/189

11A/13	Fuse
2/30:5	Injectors/ignition MELCO 1
2/33:5	System relay MELCO 1
2/33:2	System relay MELCO 1

23/190

4/38:P7	Central electronic module (CEM)
11/2:C12	Passenger compartment fusebox
3/5:7	Switch warning light

23/191

24/20:5	Connector
2/30:2	Injectors/ignition MELCO 1
2/31:1	Fuel pump MELCO 1

23/192

24/64:1	Connector
8/27:1	Canister purge (CP) valve
6/52:5	Fuel pump
6/52:2	Fuel pump
24/72:1	Connector
24/72:5	Connector
7/15:2	Heated oxygen sensor (HO2S)

23/193

24/72:1	Connector
6/51:2	Stepper Motor EGR
8/28:2	Air by-pass valve
8/29:2	Air by-pass valve on/off

23/195

4/33:23	MELCO 1
4/33:15	MELCO 1
4/34-1:3	Ignition coil MELCO 1
4/34-2:3	Ignition coil MELCO 1
4/34-3:3	Ignition coil MELCO 1
4/34-4:3	Ignition coil MELCO 1
24/70:3	Connector

23/196

31/27	Ground terminal
7/57:3	Camshaft sensor
4/34-1:2	Ignition coil MELCO 1
4/34-2:2	Ignition coil MELCO 1
4/34-3:2	Ignition coil MELCO 1
4/34-4:2	Ignition coil MELCO 1
23/271	Junction point

23/201

24/21:3	Connector
8/25:1	Power seat driver's side
8/25:2	Power seat driver's side
8/26:1	Power seat passenger side

23/210

7/36:2	Engine coolant temperature (ECT) sensor
4/37:33	MSA 15.5
24/82:4	Connector
7/71:5	Fuel temperature sensor

23/211

4/37:21	MSA 15.5
7/33:3	Engine speed (RPM) sensor
7/68:4	Mass air flow (MAF) sensor
7/37:2	Outside temperature sensor (Diesel)

23/212

7/71:4	Fuel temperature sensor
4/37:4	MSA 15.5
4/37:5	MSA 15.5
4/37:49	MSA 15.5

23/213

31/28	Ground terminal
6/1:5	Windshield wiper motor
9/10:A	Pre-heater fuel pump (FP) (Diesel)
9/12:2	Crankcase ventilation NTC (Diesel)

Junction points 23/214-252

23/214

23/215	Junction point
7/39:1	Fuel temperature sensor
7/68:3	Mass air flow (MAF) sensor
24/84:2	Connector

23/215

23/214	Junction point
8/32:2	Control valve injector
7/71:7	Fuel temperature sensor in injection pump
4/37:68	MSA 15.5
4/37:23	MSA 15.5
4/37:45	MSA 15.5

23/216

4/37:38	MSA 15.5
2/36:A1	Glow plug relay MSA 15.5
24/81:5	Connector

23/218

4/37:24	MSA 15.5
4/37:46	MSA 15.5
4/37:1	MSA 15.5
31/25	Ground terminal

23/219

31/25	Ground terminal
-	Screen for lead from 7/34
7/33:1	Engine speed (RPM) sensor
7/68:1	Mass air flow (MAF) sensor
2/36:A2	Glow plug relay

23/220

2/14:5	System relay
2/14:2	System relay
24/20:20	Connector
11A/13	Fuse

23/223

2/28:2	Engine cooling fan (FC) speed 2
3/47:3	Pressure switch A/C
7/70:1	Engine coolant temperature (ECT) switch and sensor (Diesel)

23/224

2/11:3	Engine cooling fan (FC) speed 1
2/12:3	Engine cooling fan (FC) (controlled by the air conditioning A/C)
24/33:2	Connector

23/225

2/28:1	Engine cooling fan (FC) speed 2
2/28:5	Engine cooling fan (FC) speed 2
2/11:1	Engine cooling fan (FC) speed 1
2/11:5	Engine cooling fan (FC) speed 1
2/12:5	Engine cooling fan (FC) (controlled by the air conditioning A/C)
11A/15	Fuse

23/250

2/14:5	System relay
2/14:1	System relay
24/20:20	Connector
24/27:3	Connector
11A/13	Fuse

23/251

11A/21	Fuse
2/14:3	System relay
24/27:2	Connector
11A/15	Fuse

23/252

8/24:2	Canister purge (CP) valve
24/20:11	Connector (USA)
24/64:1	Connector
6/54:2	Vacuum pump (Turbo)
10A/21	Fuse

23/253

24/13:4	Connector
6/13:(-)	Fuel pump

23/254

24/27:3	Connector
24/64:2	Connector
4/27:30	Automatic transmission control module
4/26:30	EMS 2000

23/255

4/26:28	EMS 2000
4/26:67	EMS 2000
4/26:33	EMS 2000
4/26:3	EMS 2000
31/25	Ground terminal

23/257

24/27:2	Connector
24/90:1	Connector
23/263	Junction point
23/258	Junction point

23/258

23/257	Junction point
4/26:66	EMS 2000
7/50:3	Mass air flow (MAF) sensor
7/50:2	Mass air flow (MAF) sensor

23/259

24/90:1	Connector
4/30-2:15	Ignition coil 2-3
4/30-1:15	Ignition coil 1-4
8/32:1	Control valve injector
-	Capacitor (+)

23/260

24/90:4	Connector
31/8	Ground terminal
23/266	Junction point
-	Capacitor (220uF)

23/261

4/26:29	EMS 2000
24/23:5	Connector
4/3:1	Control module DSA
4/27:29	Automatic transmission control module

23/262

4/26:79	EMS 2000 (NA)
7/50:4	Mass air flow (MAF) sensor
7/27:3	Camshaft position (CMP) sensor

23/263

23/257	Junction point
8/6:1	Injector
8/7:1	Injector
8/8:1	Injector
8/9:1	Injector

23/264

-	Screen for lead from connector 24/90:2
-	Screen for lead from connector 24/90:3
24/90:4	Connector

23/265

24/64:1	Connector
8/2:1	Idle air control (IAC) valve
8/23:1	Turbocharger (TC) control valve
7/47:1	Heated oxygen sensor (HO2S) rear
7/15:1	Heated oxygen sensor (HO2S) front
7/80	Air assisted control valve:1 (NA)

Junction points 23/266-283

23/266

-	Screen for lead from connector 24/90:2
-	Screen for lead from connector 24/90:3
23/260	Junction point

23/267

11A/15	Fuse
2/11:1	Engine cooling fan (FC) speed 1
2/11:5	Engine cooling fan (FC) speed 1
2/12:1	Engine cooling fan (FC) (controlled by the air conditioning A/C)
2/12:5	Engine cooling fan (FC) (controlled by the air conditioning A/C)

23/268

24/32:3	Connector
3/44:1	Automatic transmission switch (winter)
3/45:1	Automatic transmission switch (econ/sport)
24/23:4	Connector
3/43:1	DSA disengagement switch

23/270

23/255	Junction point
2/23:2	Shift lock
4/27:1	Automatic transmission control module
3/45:2	Automatic transmission switch econ/sport
4/3:9	Control module DSA
3/43:2	DSA disengagement switch

23/271

24/32:10	Connector
3/55:1	Kick-down switch
31/28	Ground terminal (Engine)
7/49:2	Pressure sensor A/C (Turbo)
6/1:5	Windshield wiper motor
7/9	Brake fluid level sensor

23/273

24/32:1	Connector
24/24:10	Connector
24/64:3	Connector

23/274

24/64:9	Connector
4/38:F2	Central electronic module (CEM)
10/12:1	Right parking lamp front
10/11:1	Left parking lamp front
6/15:3	Motor height adjustment
6/16:3	Motor height adjustment
24/2 26:1	Connector

23/275

24/11:7	Connector
10/28:1	Left rear parking lamp
10/29:1	Right rear parking lamp
10/26:2.3	Tail lamp left (S40)
10/27:2.3	Tail lamp right (S40)
24/31:1	Connector (S40)
24/29:6	Connector (V40)

23/277

15/4:A6	Distribution rail opening door lock
3/24:4	Switch central locking
3/25:4	Lock switch rear doors
3/59:1	Passenger airbag switch

23/279

10/85:3	Single headlamp left
10/87:3	Twin headlamp left
31/1-2	Ground terminal
23/5	Junction point
10/11:2	Left parking lamp front
6/9:1	Motor engine cooling fan (FC)

23/283

24/11:13	Connector
24/91:1	Connector
24/29:1	Connector

23/287

10/31:3	Roof lamp for HL
10/36:1	Vanity mirror lighting
10/37:1	Glove compartment lighting
10/33:2	Left rear reading lamp
10/34:2	Right rear reading lamp

23/288

24/11:3	Connector
10/39	Cargo compartment lighting
10/40	Cargo compartment lighting (V40)
10/38	Roof lamp rear (V40)
6/14:3	Power antenna (S40)

23/289

24/11:19	Connector
24/29:5	Connector (V40)
24/31:5	Connector (S40)
10/39	Cargo compartment lighting
10/40	Cargo compartment lighting (V40)

23/291

10/37:2	Glove compartment lighting
24/18:10	Connector
3/5:3	Switch warning light
5/1:A13	Instrument panel
10/80:4	Sun sensor LED
3/20:5	Control trip computer

23/292

10/20	License plate lighting left
10/21	License plate lighting right
-	Switch cargo compartment

23/294

11/2:E15	Passenger compartment fusebox
6/4:B	Left headlamp wiper motor
6/3:B	Right headlamp wiper motor

23/295

24/15:19	Connector (RHD)
24/14:19	Connector (Not USA)
11/2:G5	Passenger compartment fusebox
3/41:2	Control power door mirror, driver's side
3/42:2	Control power door mirror, passenger side
2/18:2	Power windows relay
3/57:1	Retractable door mirror switch
4/39:B10	VGLA (EU/OS, RHD, Japan)
8/26:2	Power seat, passenger side

23/296

24/14:7	Connector
2/18:5	Power windows relay
23/49	Junction point
9/1:2	Cigarette lighter (AUS, RHD)

23/298

11A/17	Fuse
16/9:1	Horn 1
16/16:1	Horn 2
8/35:4	Alarm horn

23/299

5/1:B14	Instrument panel
24/23:14	Connector
24/20:4	Connector

23/300

24/23:3	Connector
4/5:13	Control module cruise control
4/38:B2/16	Central electronic module (CEM)
5/1:B15	Instrument panel
4/9:4	Control module ECC

Junction points 23/301-314

23/301

24/11:10	Connector (V40)
16/6:2	Loudspeaker parcel shelf left side (V40)
16/18:2	Bass speaker (V40)

23/302

24/11:9	Connector (V40)
16/6:1	Loudspeaker parcel shelf left side (V40)
16/18:1	Bass speaker (V40)

23/303

24/11:22	Connector (V40)
16/7:2	Loudspeaker parcel shelf right side (V40)
16/18:3	Bass speaker (V40)

23/304

24/11:21	Connector (V40)
16/7:1	Loudspeaker parcel shelf right side (V40)
16/18:4	Bass speaker (V40)

23/305

24/14:14	Connector
24/18:4	Connector
16/1:3	Radio (LHD)
16/1:9	Radio (RHD)

23/306

24/14:15	Connector
24/18:3	Connector
16/1:4	Radio (LHD)
16/1:10	Radio (RHD)

23/307

24/15:14	Connector
24/18:6	Connector
16/1:9	Radio (LHD)
16/1:3	Radio (RHD)

23/308

24/15:15	Connector
24/18:5	Connector
16/1:10	Radio (LHD)
16/1:4	Radio (RHD)

23/309

11/2:G2	Passenger compartment fusebox
16/1:4	Radio
16/1:12	Radio

23/311

6/14:6	Power antenna
31/11	Ground terminal
10/17:5	High-level stop (brake) lamp (center)
3/29	Door switch left rear door
3/23	Door switch right rear door

23/312

3/31:1	Heated seat switch, driver's side
3/32:1	Heated seat switch, passenger side
15/10:D10	Distribution rail ground terminal

23/313

24/11:14	Connector (V40)
16/10	Antenna amplifier (V40)
16/18	Active bass loudspeaker:2 (V40)

23/314

31/6:4	Ground terminal, behind instrument panel (2)
3/33:5	Switch window driver's side (in console)
3/34:5	Switch window passenger side (in console)
3/35:5	Switch window left rear (in console)
3/36:5	Switch window right rear (in console)
8/25:3	Power seat, driver's side
8/26:3	Power seat, passenger side
7/12:2	Thermostat driver's seat (RHD)

23/315

31/5:2	Ground terminal, behind instrument panel (1)
3/28:2	Door switch driver's door
3/27:2	Door switch passenger door
3/42	Control door mirror right
3/41	Control door mirror left
3/31	Heated seat switch front left
3/32	Heated seat switch front right

23/316

24/14:20	Connector (RHD, Not USA)
24/15:20	Connector (RHD, Not USA)
3/57:2	Retractable door mirrors switch (RHD, Not USA)

23/319

24/15:8	Connector
15/13:F4	Distribution rail ground terminal
4/41:5	Ultrasonic/Glass breakage sensor
3/25:5	Lock switch rear doors (Not USA)
4/20:1	Control module air conditioning (A/C) compressor (Not USA and ECC)
4/5:10	Control module cruise control
3/14:1	Brake switch (Not USA)
3/15:1	Clutch switch (Not USA)

23/320

24/14:17	Connector (Not USA)
24/16:4	Connector (Not USA)
4/39:A15	VGLA (Not USA)

23/321

24/15:17	Connector (Not USA)
24/17:4	Connector (Not USA)
4/39:A14	VGLA (Not USA)

23/322

24/15:16	Connector (Not USA)
24/17:1	Connector (Not USA)
4/39:B12	VGLA (Not USA)

23/323

24/14:8	Connector
2/16:5	Power window driver's door (Autodown)
9/7:5	Heating door mirror left
6/49:5	Retractable door mirror, driver's side (RHD, Japan)
3/26:2	Lock switch driver's door (Remote controlled central locking)
3/54:2	Lock switch driver's door (Without Remote controlled central locking)

23/324

24/11:1	Connector (EU/OS)
24/31:3	Connector (S40) (EU/OS)
24/29:3	Connector (V40) (EU/OS)
6/55:2	Lock motor fuel tank filler cover (EU/OS)

23/325

24/16:7	Connector
24/17:7	Connector
4/39:A2	VGLA

23/326

24/16:8	Connector
24/17:8	Connector
24/17:10	Connector
4/39:B22	VGLA

23/328

24/20:15	Connector
4/41:4	Glass breakage sensor
4/39:A22	VGLA

23/329

24/20:16	Connector
4/41:3	Glass breakage sensor
4/39:B15	VGLA

Junction points 23/331-348

23/331

4/28:19	ABS control module
23/332	Junction point
31/1-2	Ground terminal right

23/332

4/28:16	ABS control module
23/331	Junction point
23/5	Junction point
10/84:3	Single headlamp right
10/86:3	Twin headlamp right
10/12:2	Right parking lamp front
8/35:5	Alarm horn

23/333

24/24:1	Connector
4/3:7	DSA
4/27:7	Transmission control module (TCU) Turbo

23/340

2/10:1	Air conditioning (A/C) compressor (Not MELCO 1)
2/10:5	Air conditioning (A/C) compressor
11A/7	Fuse
2/41:1	A/C relay (Turbo)
2/41:5	A/C relay (Turbo)
2/13:1	Condenser fan for (A/C) (MELCO 1)
2/13:5	Condenser fan for (A/C) (MELCO 1)

23/341

24/23:20	Connector
5/1:B13	Instrument panel
4/9:30	Control module ECC

23/342

11/2:I3	Passenger compartment fusebox
3/51:4	Switch brake pedal for locking gear shift selector
3/60:1	Seat belt lock driver's seat
3/61:1	Seat belt lock passenger side

23/343

2/33:3	System relay
11A/21	Fuse
24/70:2	Connector
24/64:8	Connector

23/344

4/32:D13	MELCO 1
4/32:A1	MELCO 1
4/32:A14	MELCO 1
31/25	Ground terminal, under the dashboard (MELCO 1)
7/56:2	Crankshaft sensor
-	Screen for lead from heated oxygen sensor (HO2S) 7/15:3
-	Screen for lead from knock sensor (KS) 7/64

23/345

24/70:4	Connector
4/32:D11	MELCO 1
24/73:3	Connector

23/346

11A/15	Fuse
2/12:1	Engine cooling fan (FC) air conditioning (A/C)
2/12:5	Engine cooling fan (FC) air conditioning (A/C)
2/11:1	Engine cooling fan (FC) (Speed 1)
2/11:5	Engine cooling fan (FC) (Speed 1)

23/347

2/11:3	Engine cooling fan (FC) (Speed 1)
2/12:3	Engine cooling fan (FC) air conditioning (A/C)
6/9:2	Motor engine cooling fan (FC)

23/348

24/64:6	Connector
3/47:4	Pressure switch A/C (MELCO 1)
2/10:1	Air conditioning (A/C) compressor

23/349

11A/14	Fuse 40A
2/7:3	Starter motor
24/21:2	Connector

23/350

24/84:2	Connector
2/14:3	System relay
11A/21	Fuse

23/351

2/37:1	Heater relay for engine coolant
2/38:1	Heater relay for engine coolant
24/83:1	Connector

23/352

24/83:1	Connector
9/12:1	Crankcase ventilation NTC (Diesel)
8/13:1	Exhaust Gas Recirculation Valve (EGR Valve) (Diesel)

23/353

11A/11	Fuse
2/37:3	Heater relay for engine coolant
2/38:3	Heater relay for engine coolant

23/354

24/18:1	Connector
24/82:2	Connector
3/4:2	Control cruise control

23/355

11/2:I4	Passenger compartment fusebox
3/4:1	Control cruise control
4/5:11	Control module cruise control

23/356

3/14:1	Brake switch (USA)
24/19:1	Connector (EU/OS)
3/4:2	Control cruise control
24/18:1	Connector

23/357

11/2:B20	Passenger compartment fusebox (RHD)
2/39:5	Seat belt reminder (RHD)
5/1:B21	Instrument panel

23/1000

24/12:4	Connector (V40)
16/18	Active bass loudspeaker: 1
24/91:4	Accessory switch (V40)

23/1001

24/12:3	Connector (S40)
11/2:J4	Passenger compartment fusebox (S40)
9/1:2	Cigarette lighter (S40) (Not USA and AUS)
-	Accessory switch: 3 (LHD) (USA)

23/1002

24/11:2	Connector (USA)
24/14:3	Connector (USA)
24/16:3	Connector (USA)
24/17:3	Connector (USA)
4/39:B2	VGLA (USA)

23/1004

4/39:B10	VGLA
11/2:G5	Passenger compartment fusebox (EU/OS)
3/58:4	Ignition warning switch (USA)
4/35:1	Ignition warning control module (USA)

31/1 and 31/2

2/34:3	Vacuum pump (Turbo, Automatic)
6/2:2	Windshield washer motor
6/10:2	Rear window washer motor
10/5:2	Left parking lamp front
10/6:2	Right parking lamp front
4/28:16 19	ABS control module
10/82:1	Turn signal lamp & parking lamp left (USA)
10/83:1	Turn signal lamp & parking lamp right (USA)
10/1:2	Left turn signal lamp front (EU OS)
10/2:2	Right turn signal lamp front (EU OS)
10/3:2	Turn signal lamp left fender
10/4:2	Turn signal lamp right fender
7/10:2	Windshield washer reservoir level sensor
10/12:2	Left parking lamp front
10/11:2	Right parking lamps front
10/13:2	Left fog lamp front
10/14:2	Right fog lamp front
6/27:1	Condenser fan
6/43:1	Cooling fan
6/15:1	Motor height adjustment left headlamp
6/16:1	Motor height adjustment right headlamp
4/15:2	Headlamp alignment control module
6/3:C	Motor right headlamp wiper
6/4:C	Motor left headlamp wiper
10/84:3	Headlamp right (single)
10/85:3	Headlamp left (single)
10/86:3	Headlamp right (twin)
10/86:5	Headlamp right (twin) (EU OS)
10/87:3	Headlamp left (twin)
10/87:5	Headlamp left (twin) (EU OS)
3/50:2	Hood catch switch
8/35:6	Siren
6/9:1	Cooling fan (MELCO 1)
2/12:2	Engine cooling fan (FC) (controlled by the air conditioning A/C) (Diesel)
7/70:3	Engine coolant temperature (ECT) switch and sensor (Diesel)
3/47:2	Pressure switch A/C (MELCO 1, Diesel)

31/3

1/1	Battery (-)
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31/5

23/26	Junction point
23/315	Junction point
24/13:4	Connector
31/6:3	Ground terminal
15/13	Distribution rail
15/10:D3	Distribution rail

31/6

4/35:B2/1	Ignition warning control module
11/2:J14	Passenger compartment fusebox
24/13:4	Connector
31/5:3	Ground terminal
23/314	Junction point
4/39:A1	VGLA

31/8

24/90:4	Connector
31/8	Ground terminal
23/266	Junction point
-	Capacitor (220uF)

31/9

3/30	Door switch right rear door
3/29	Door switch left rear door
10/28:2	Left rear parking lamp
10/15:4	Left stop (brake) lamp
24/91:2	Connector accessory
24/30:2	Connector

31/10

16/18:3	Bass speaker
10/29:2	Right rear parking lamp
10/16:4	Right inner stop (brake) lamp

Ground terminals

31/11-28

31/11

10/17:5	High-level stop (brake) lamp (center)
3/29:2	Door switch left rear door
3/30:2	Door switch right rear door
24/91:2	Connector (ACC)
6/14:6	Power antenna
10/28:2	Left rear parking lamp
10/15:4	Left outer stop (brake) lamp
10/15:5	Left inner stop (brake) lamp
10/20	License plate lighting right
10/21	License plate lighting left
3/22	Cargo compartment switch

31/12

10/29:2	Right rear parking lamp
10/16:4	Right outer stop (brake) lamp
10/19:5	Right inner stop (brake) lamp

31/13

9/2	Heated rear window
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31/15

16/1:A6	Radio
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31/25

4/26:3	EMS 2000
4/26:28	EMS 2000
4/26:33	EMS 2000
4/26:67	EMS 2000
4/3:9	Control module DSA
4/27:1	Automatic transmission control module
2/23:2	Shift lock
3/44:2	Automatic transmission switch (winter)
3/45:2	Automatic transmission switch (econ/sport)
4/37:1	MSA 15.5 (Diesel)
4/37:24	MSA 15.5 (Diesel)
4/37:46	MSA 15.5 (Diesel)
7/68:1	Mass air flow (MAF) sensor (Diesel)
2/36:A2	Glow plug relay (Diesel)
7/34	Injector needle (Screen) (Diesel)
7/33	Engine speed (RPM) sensor (Screen) (Diesel)
4/32:A1	MELCO 1
4/32:A14	MELCO 1
4/32:D13	MELCO 1
7/56:2	Crankshaft sensor MELCO 1
7/64	Knock sensor (KS) (Screen) MELCO 1
7/15	Heated oxygen sensor (HO2S) (Screen)

31/27

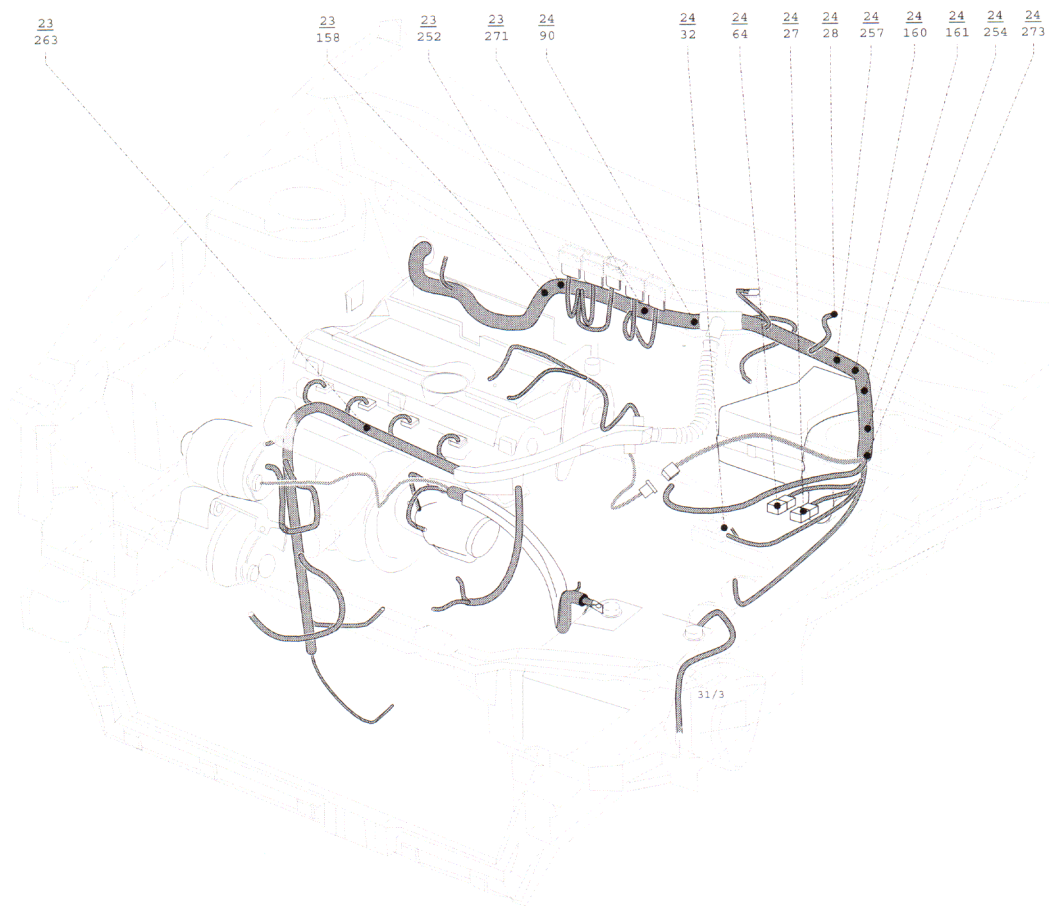
7/57:3	Camshaft position (CMP) sensor
4/34-1:2	Control module ignition system MELCO 1
4/34-2:2	Control module ignition system MELCO 1
4/34-3:2	Control module ignition system MELCO 1
4/34-4:2	Control module ignition system MELCO 1

31/28

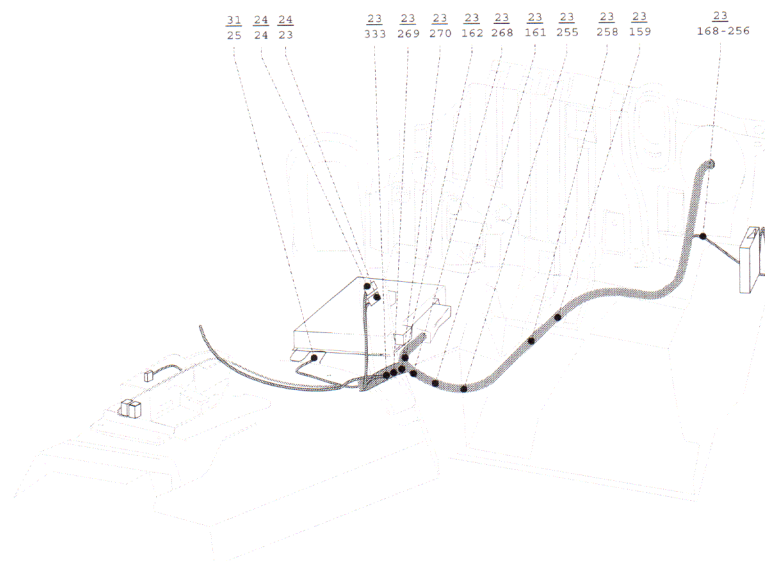
7/9:2	Brake fluid level sensor
6/1:5	Windshield wiper motor
3/55:1	Kick-down switch
24/32:10	Connector AW
9/13:2	Crankcase ventilation (USA)
4/33:14	MELCO 1
4/33:22	MELCO 1
9/10:A	Fuel pre-heating (Diesel pump)
9/12:2	Crankcase ventilation (Diesel)
7/39:2	Fuel temperature sensor (Diesel)

Cable harnesses

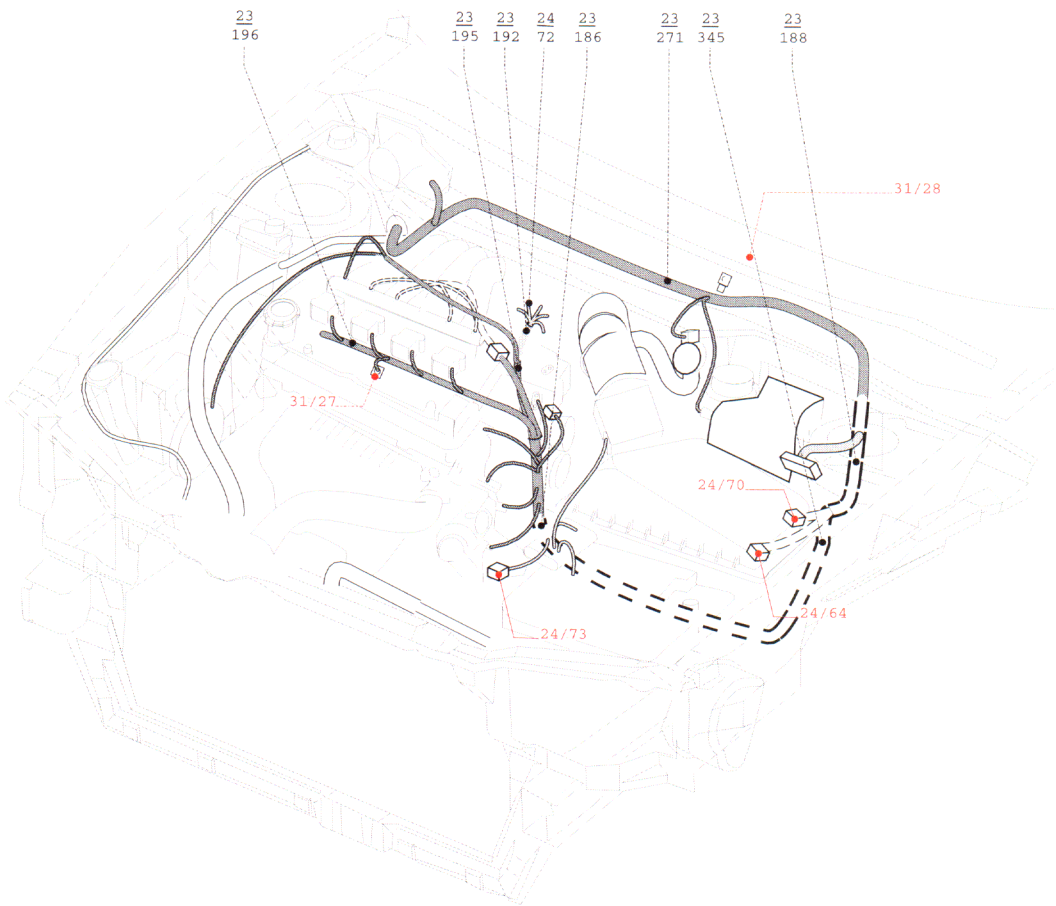
Engine management system EMS 2000 (Turbo) from the engine



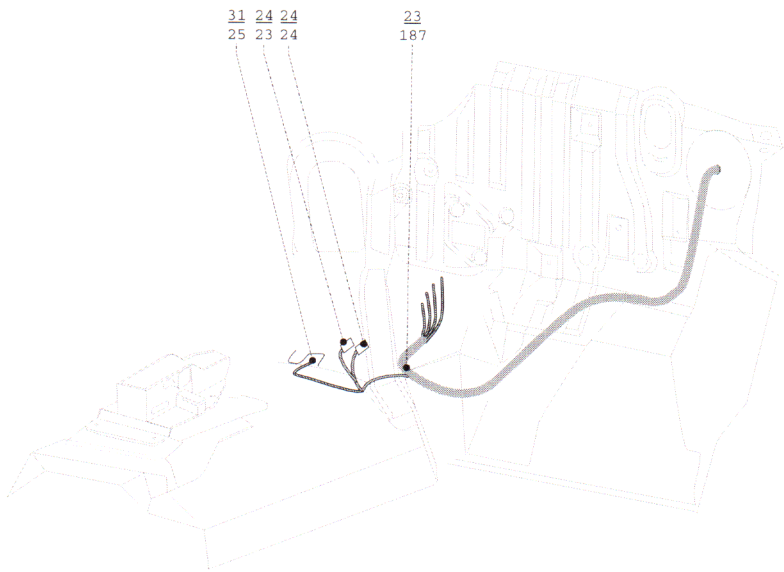
From the passenger compartment



Engine management system MELCO 1 from the engine

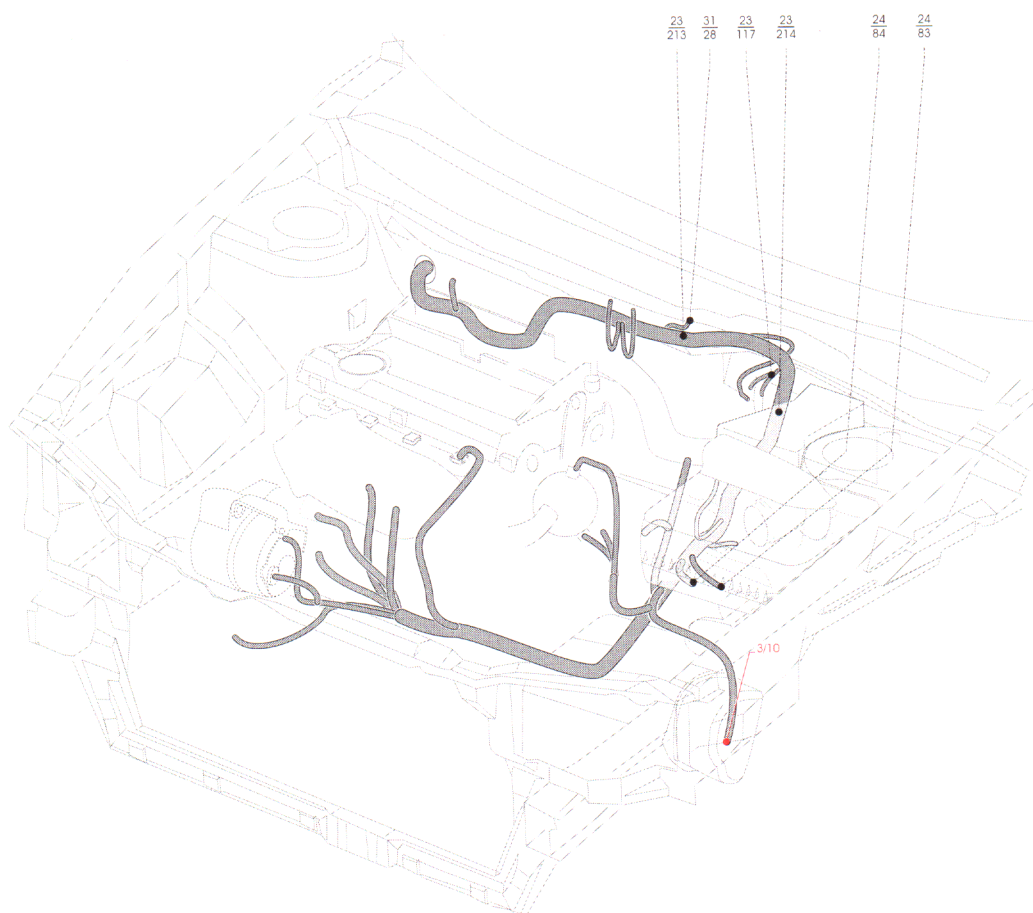


From the passenger compartment

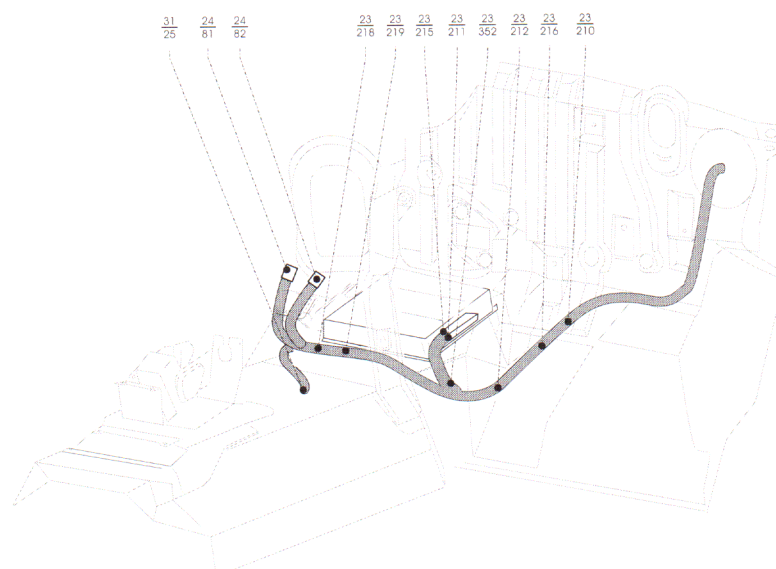


Cable harnesses

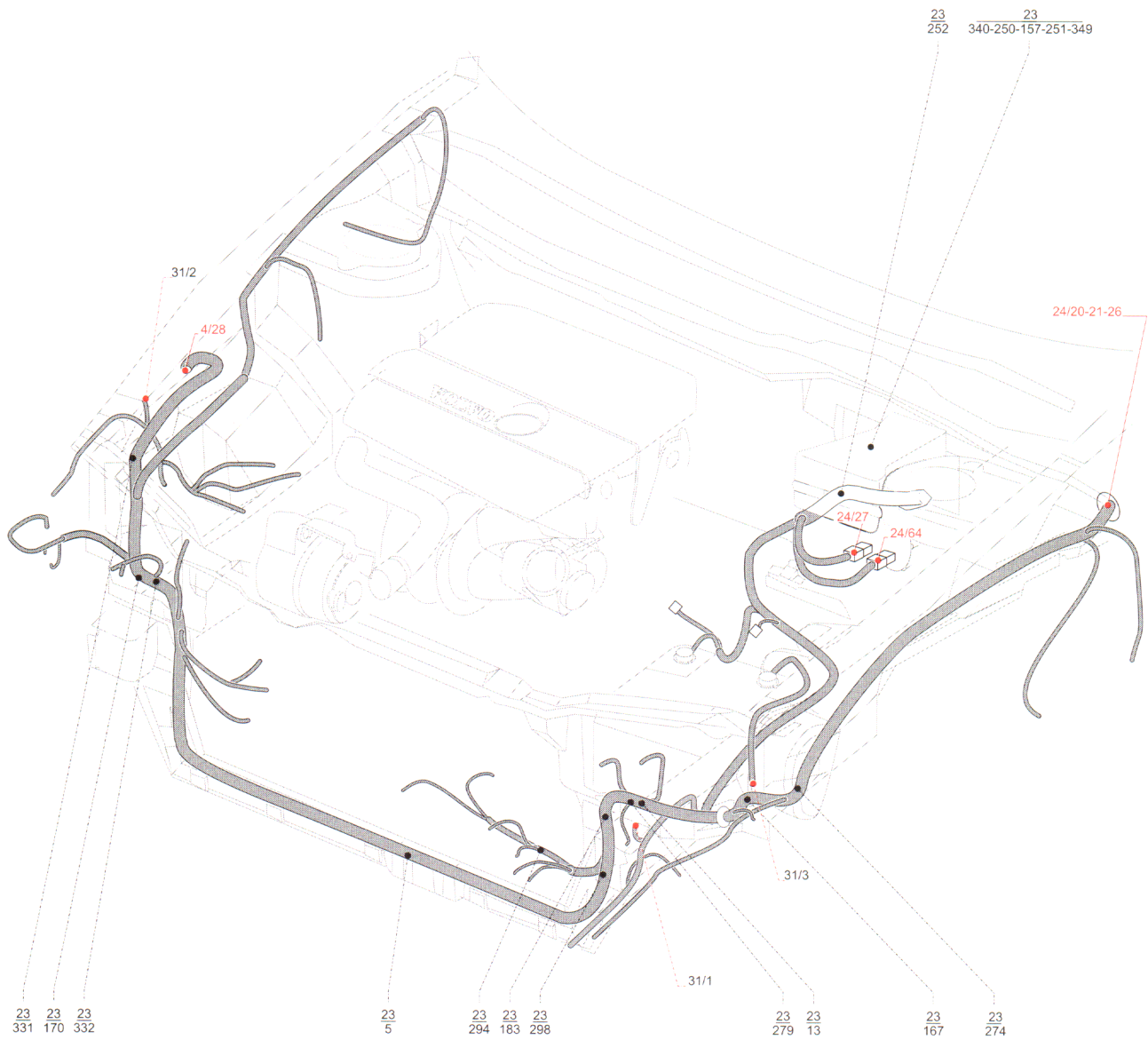
Engine management system MSA 15.5 Diesel from the engine



From the passenger compartment

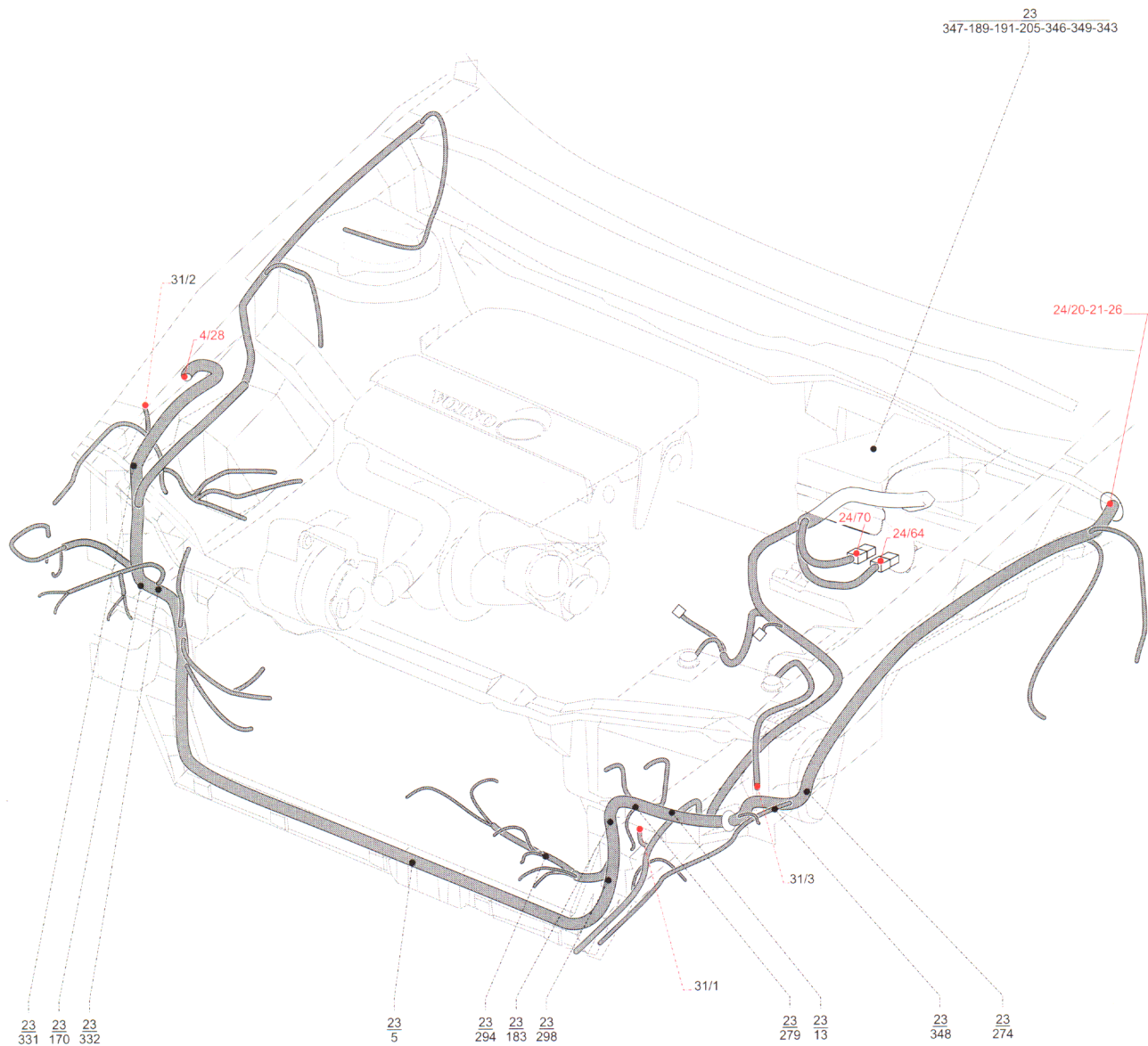


Engine compartment turbocharger (TC)

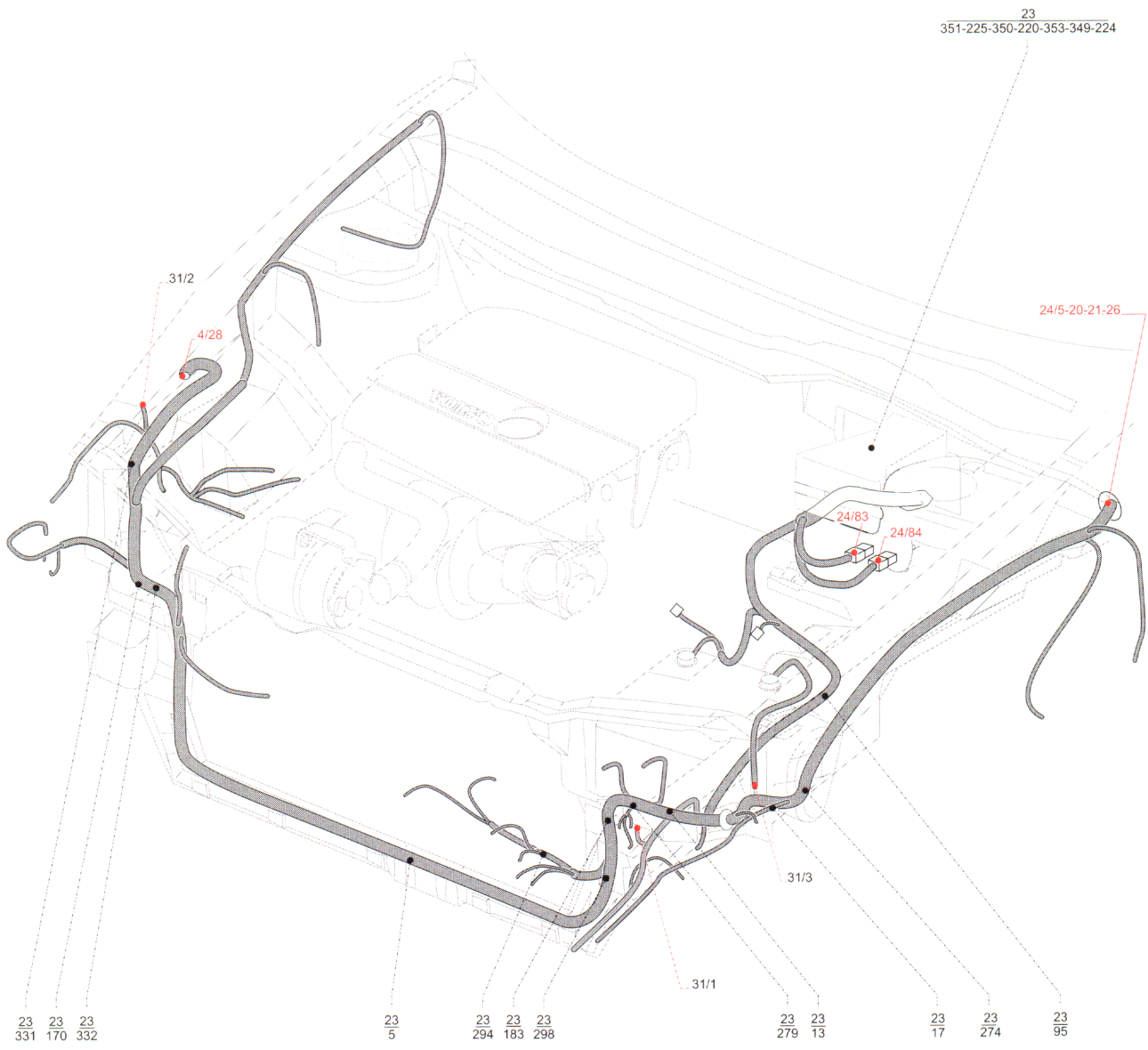


Cable harnesses

Engine compartment MELCO 1

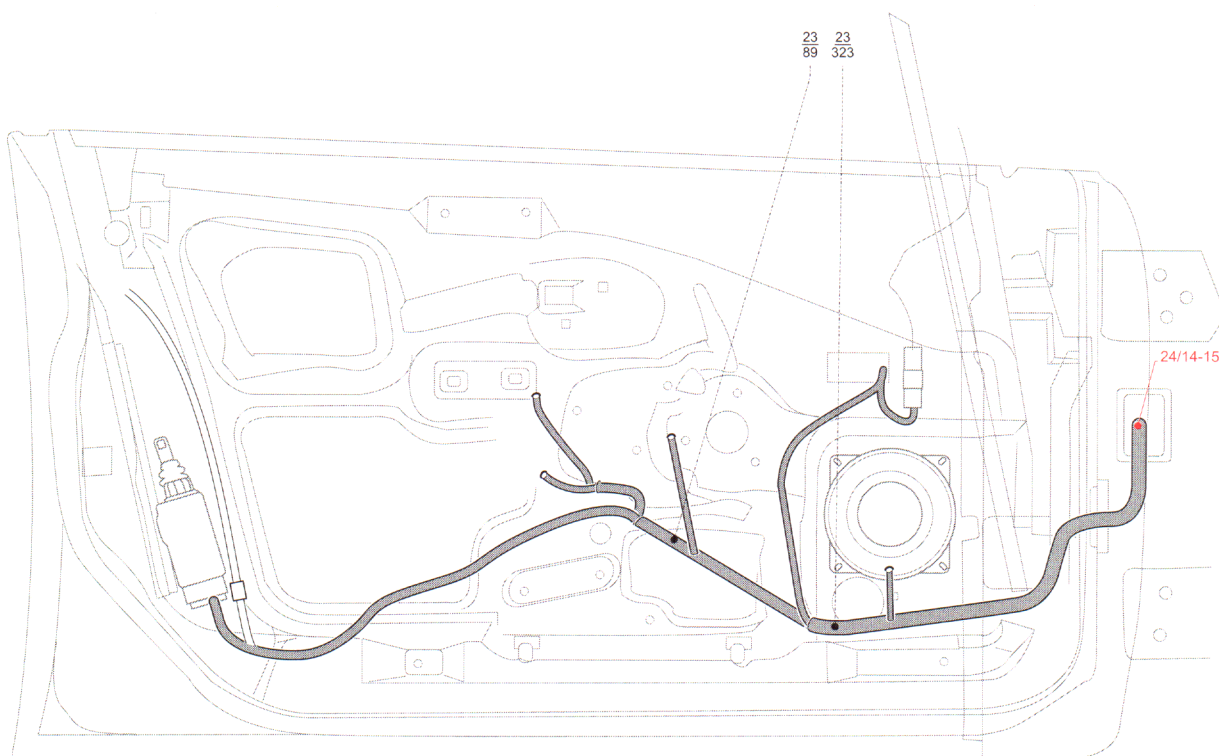


Engine compartment MSA 15.5 Diesel

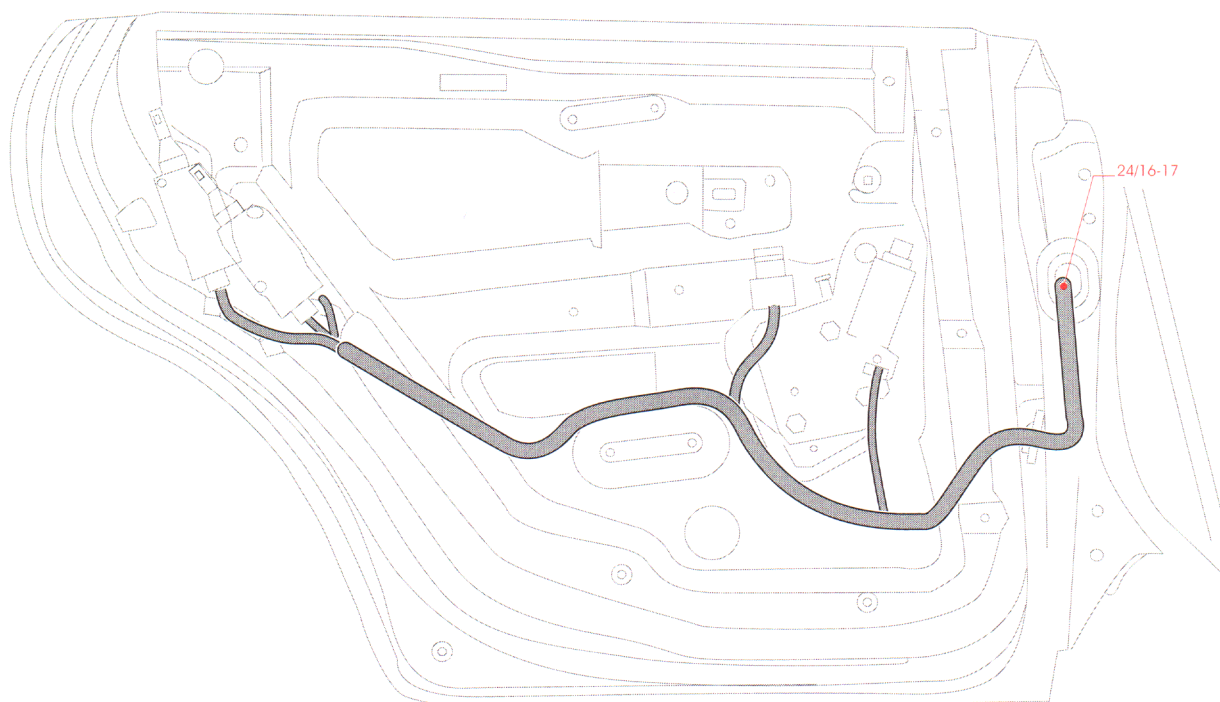


Cable harnesses

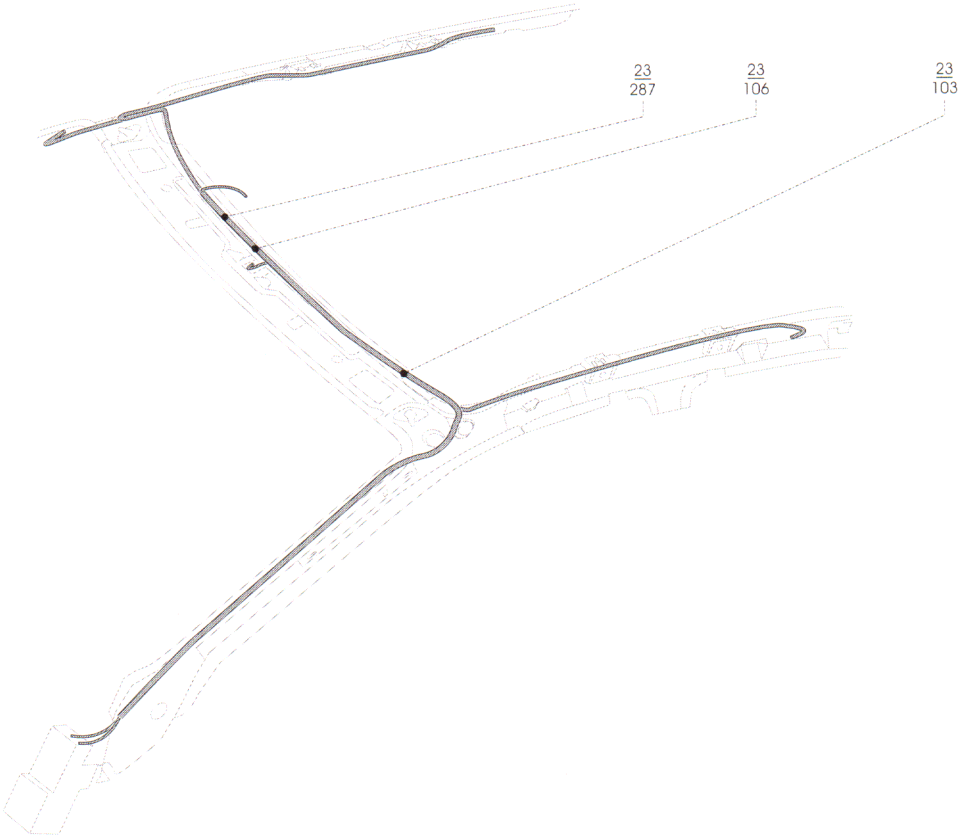
Front doors



Rear doors

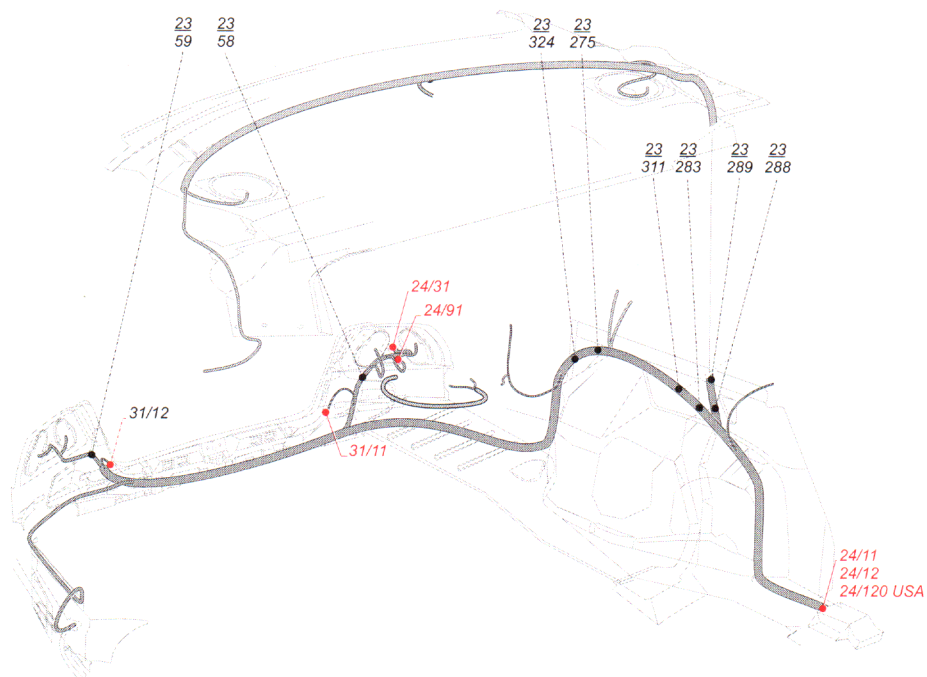


Courtesy lights in passenger compartment

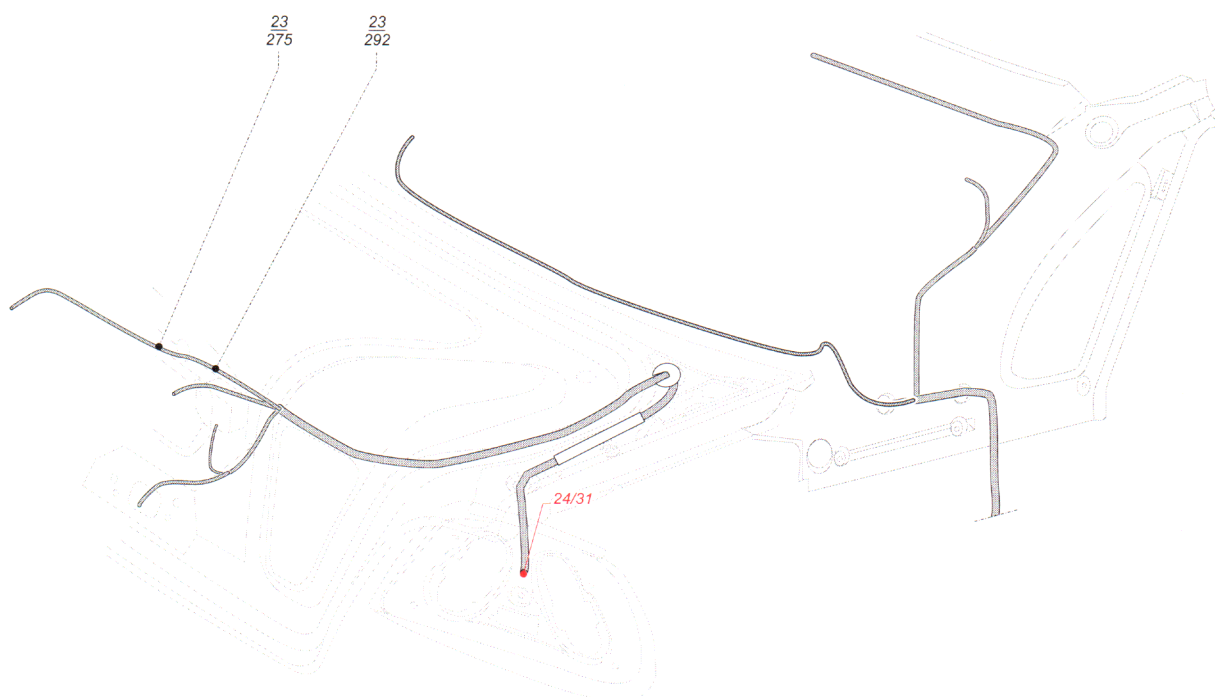


Cable harnesses

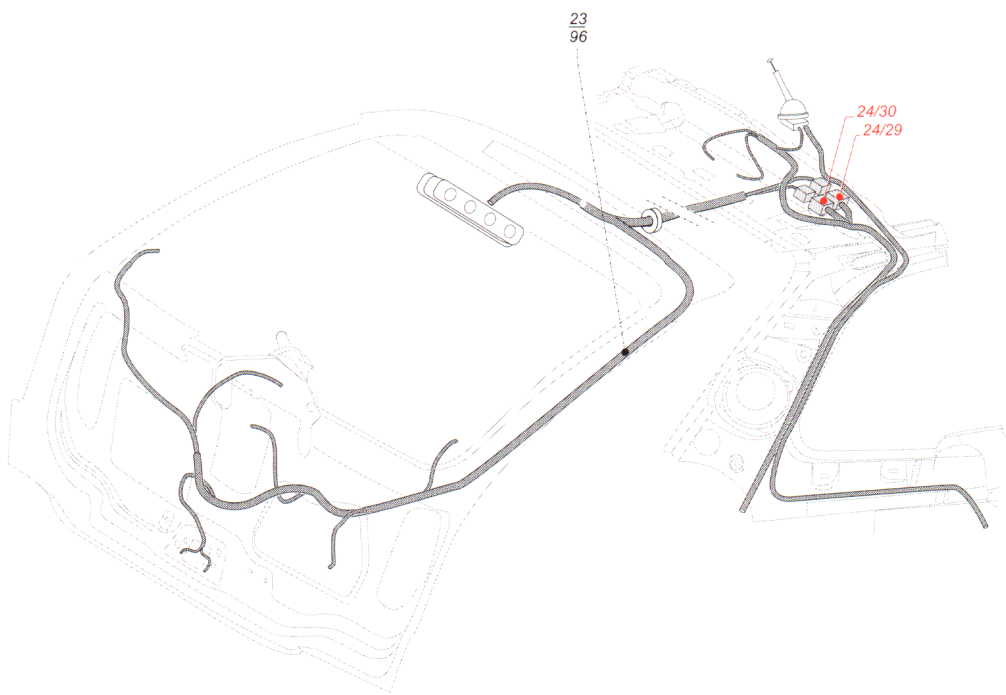
Cargo compartment



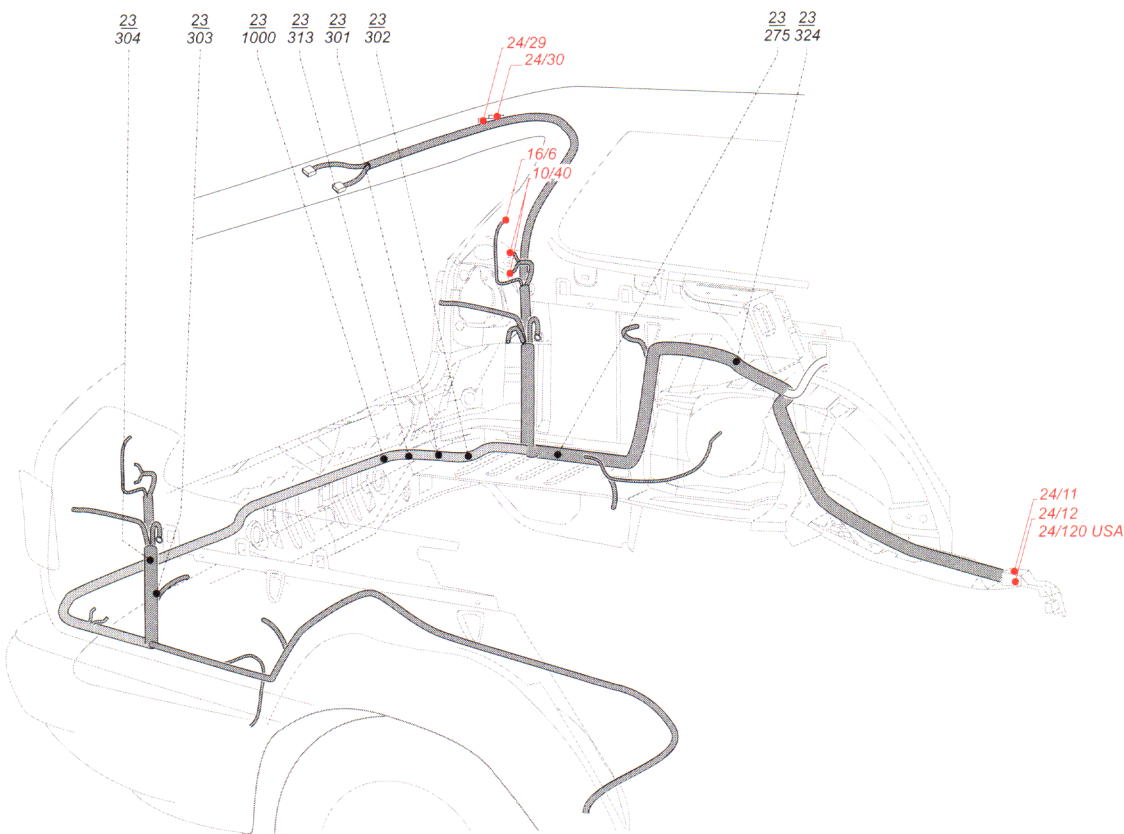
Tail lamps (4 door)

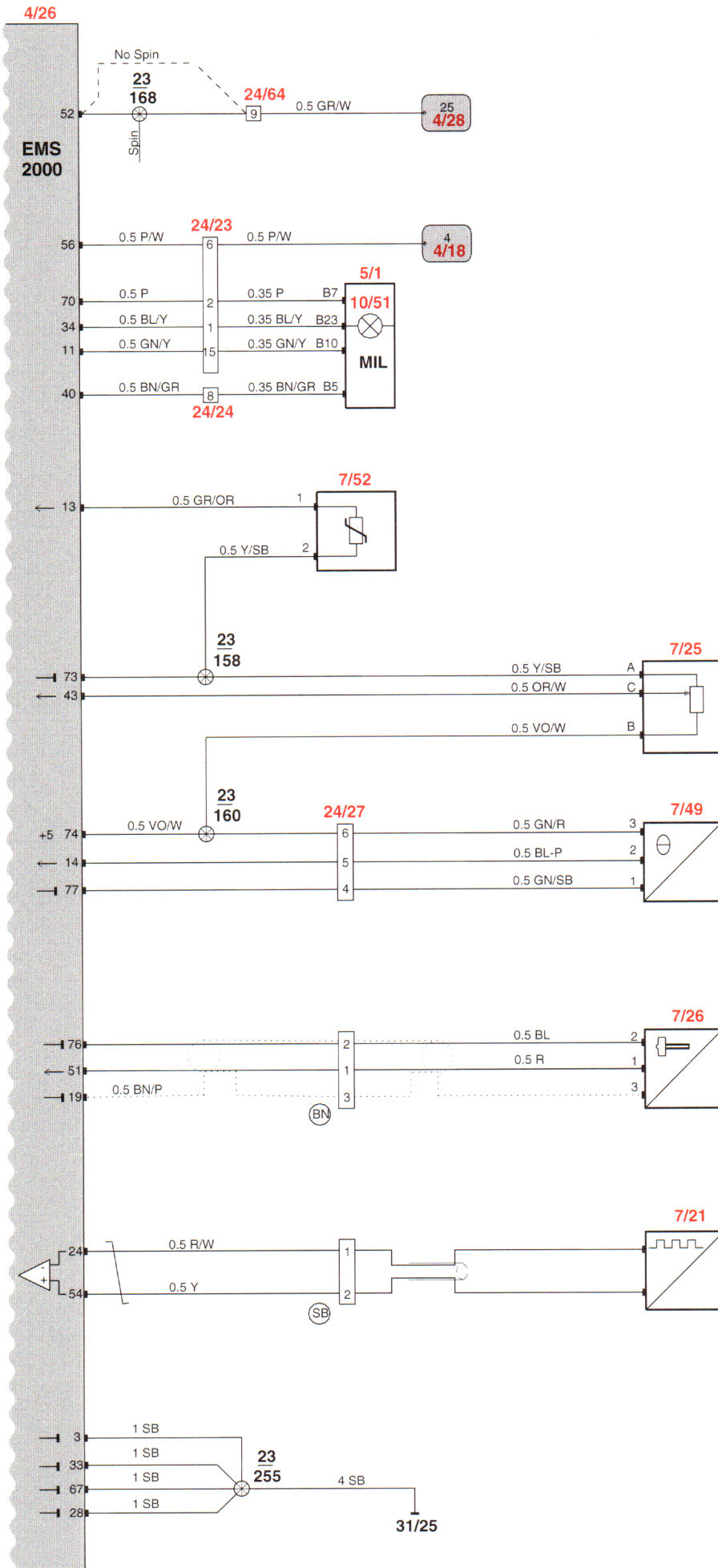


Cargo compartment

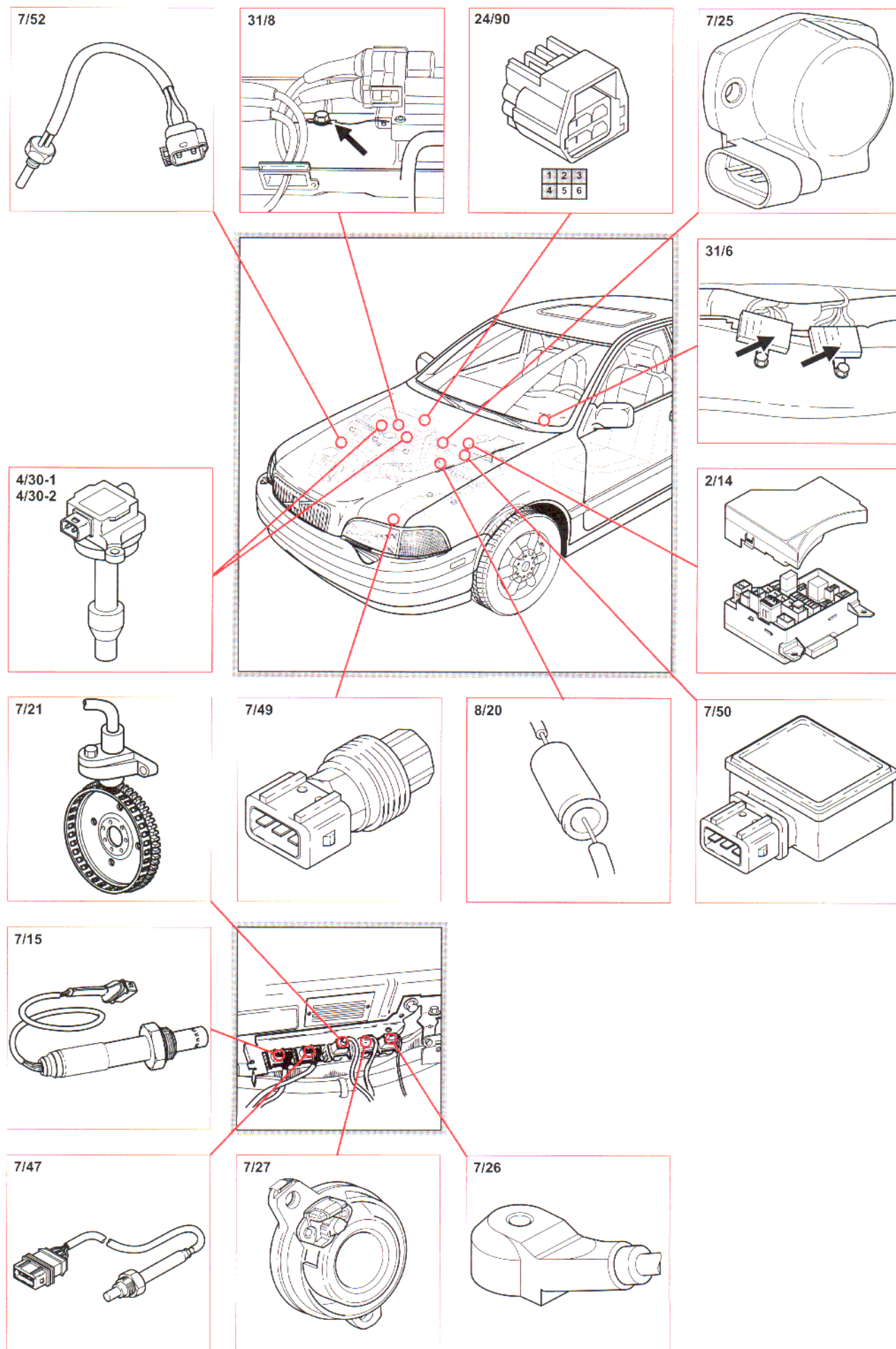


Tail lamps (5 door)



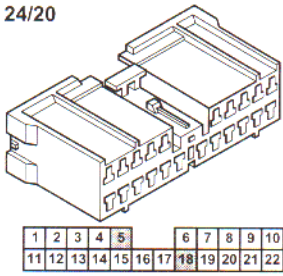


Fuel injection system EMS 2000

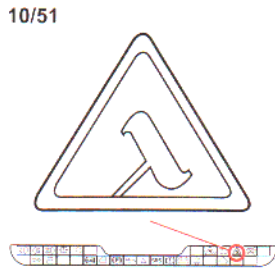


Fuel injection system EMS 2000

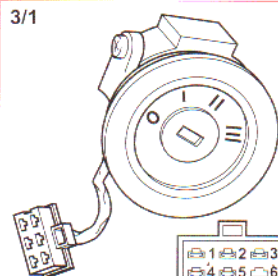
24/20



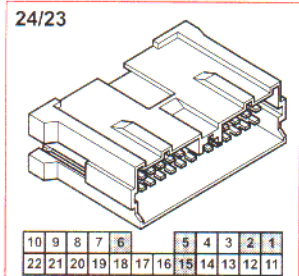
10/51



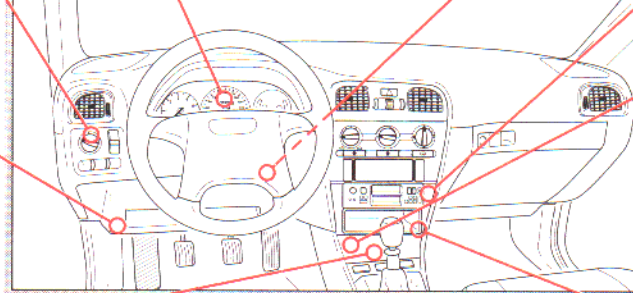
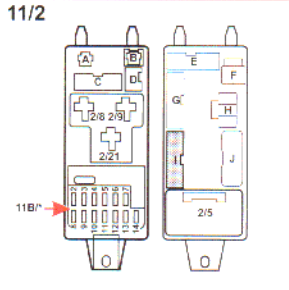
3/1



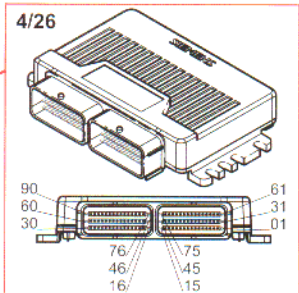
24/23



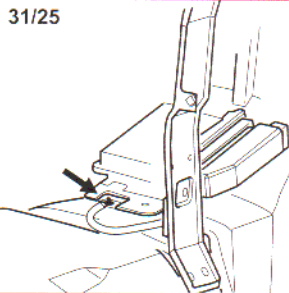
11/2



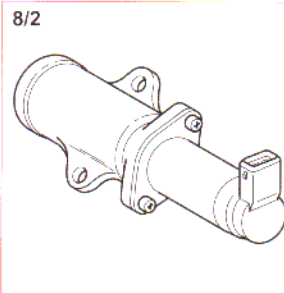
4/26



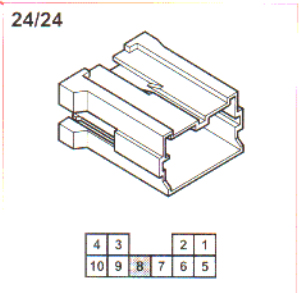
31/25



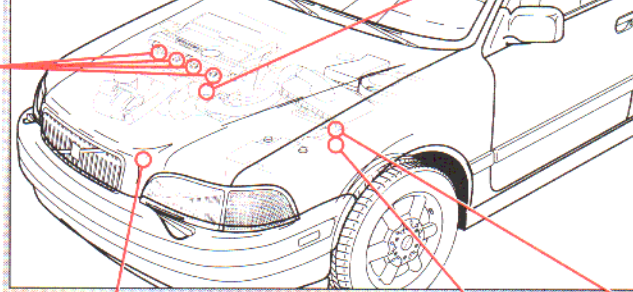
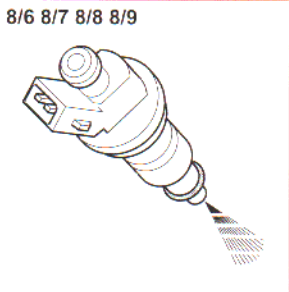
8/2



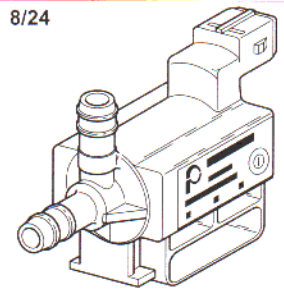
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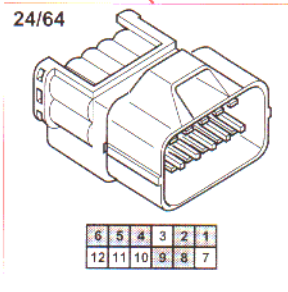
8/6 8/7 8/8 8/9



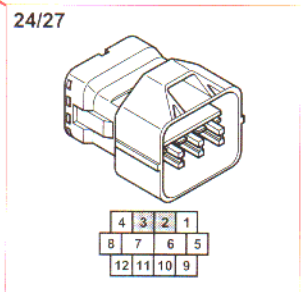
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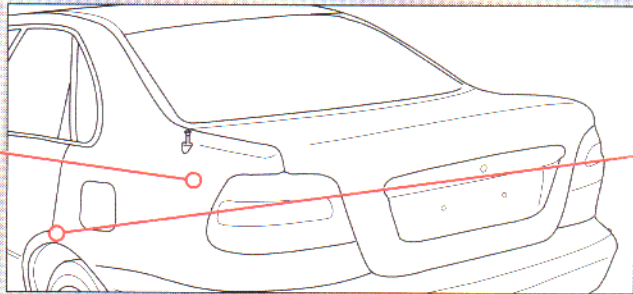
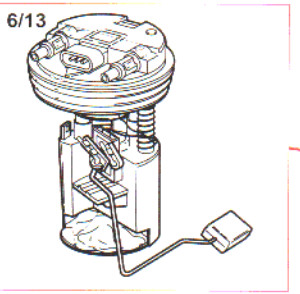
24/64



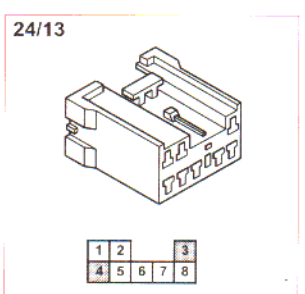
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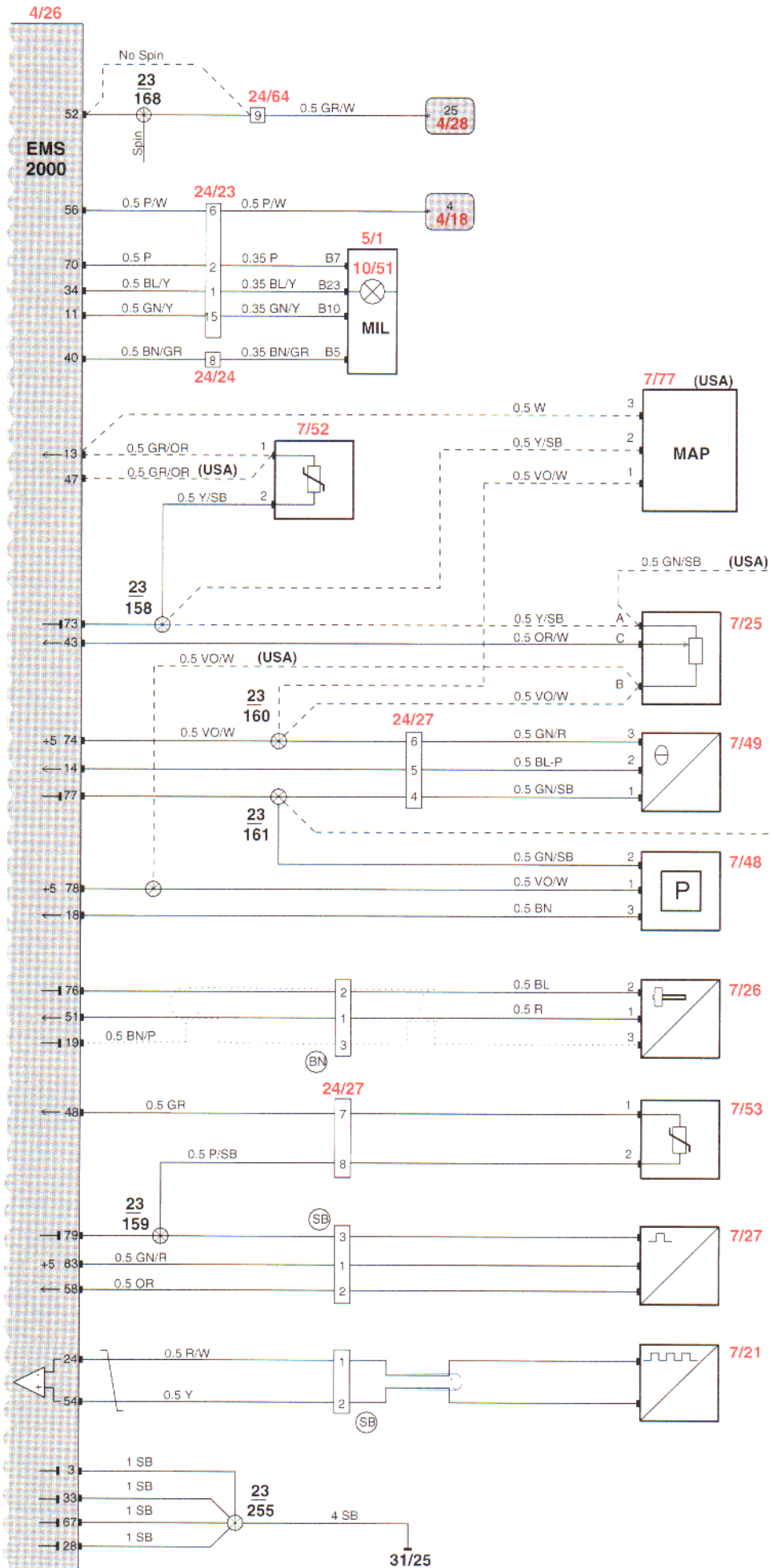
6/13



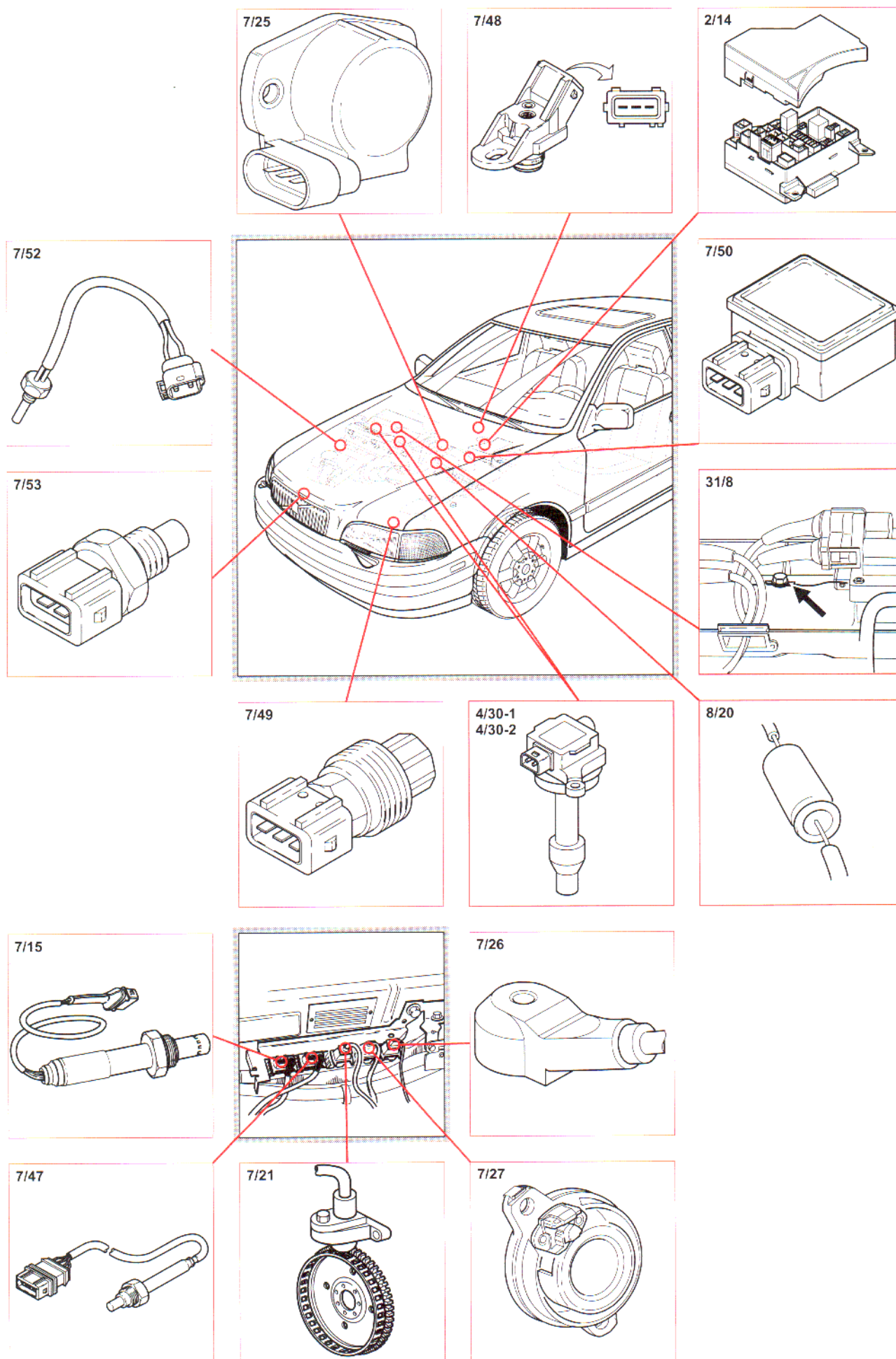
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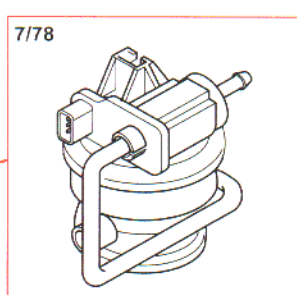
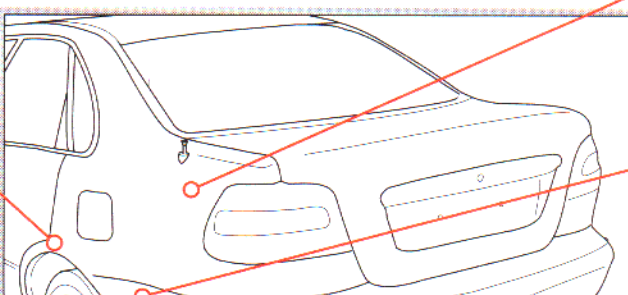
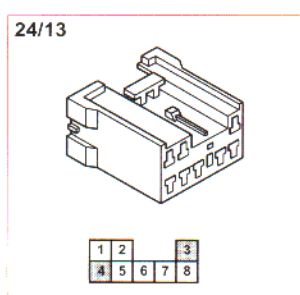
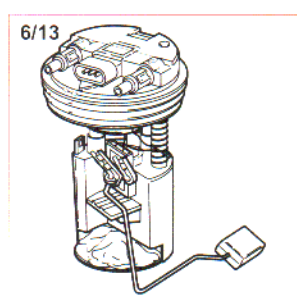
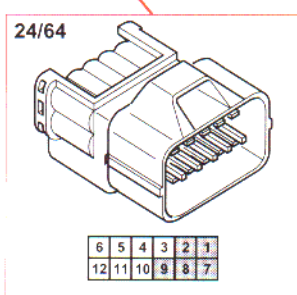
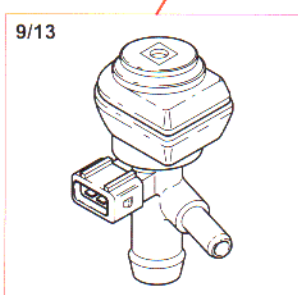
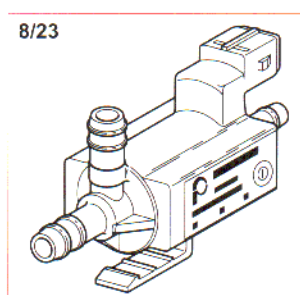
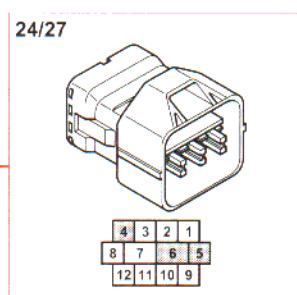
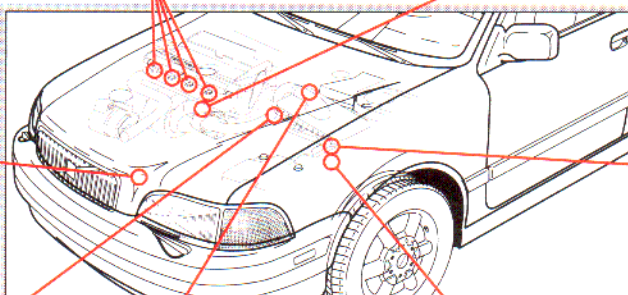
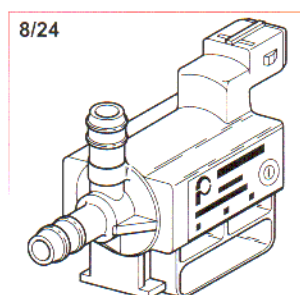
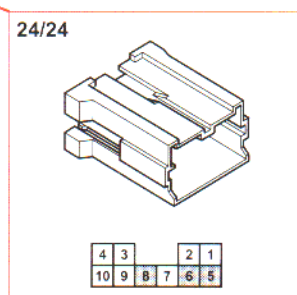
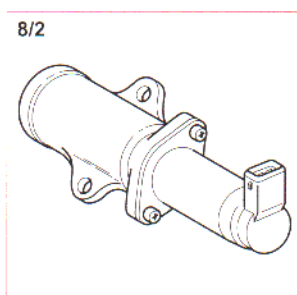
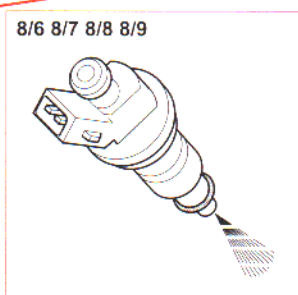
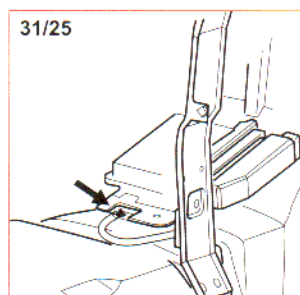
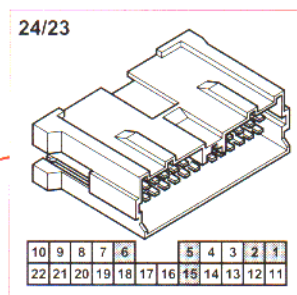
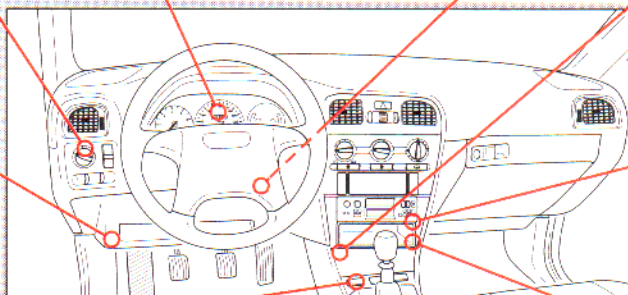
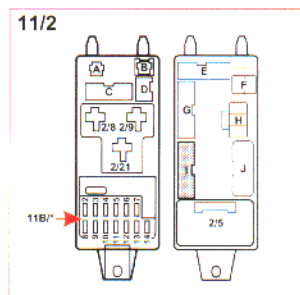
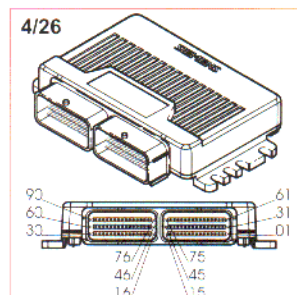
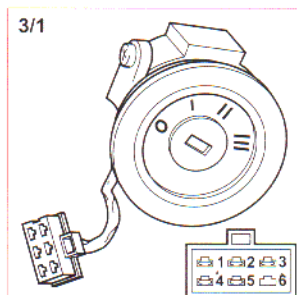
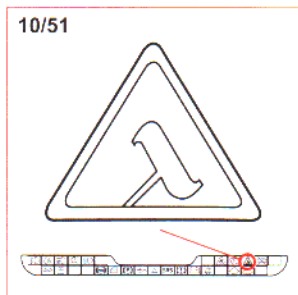
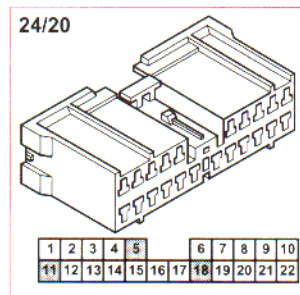
Fuel injection system EMS 2000 Turbo



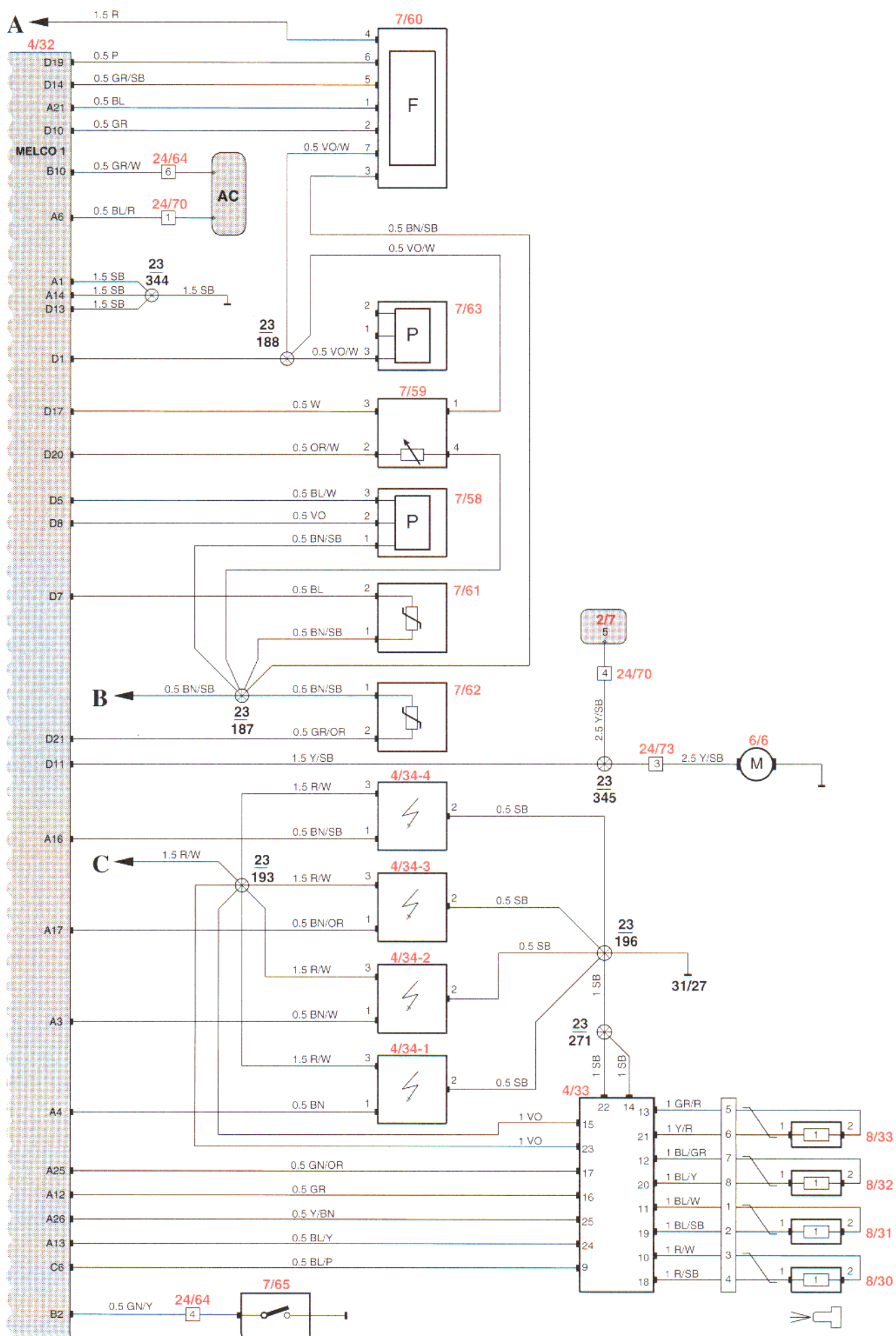
Fuel injection system EMS 2000 Turbo



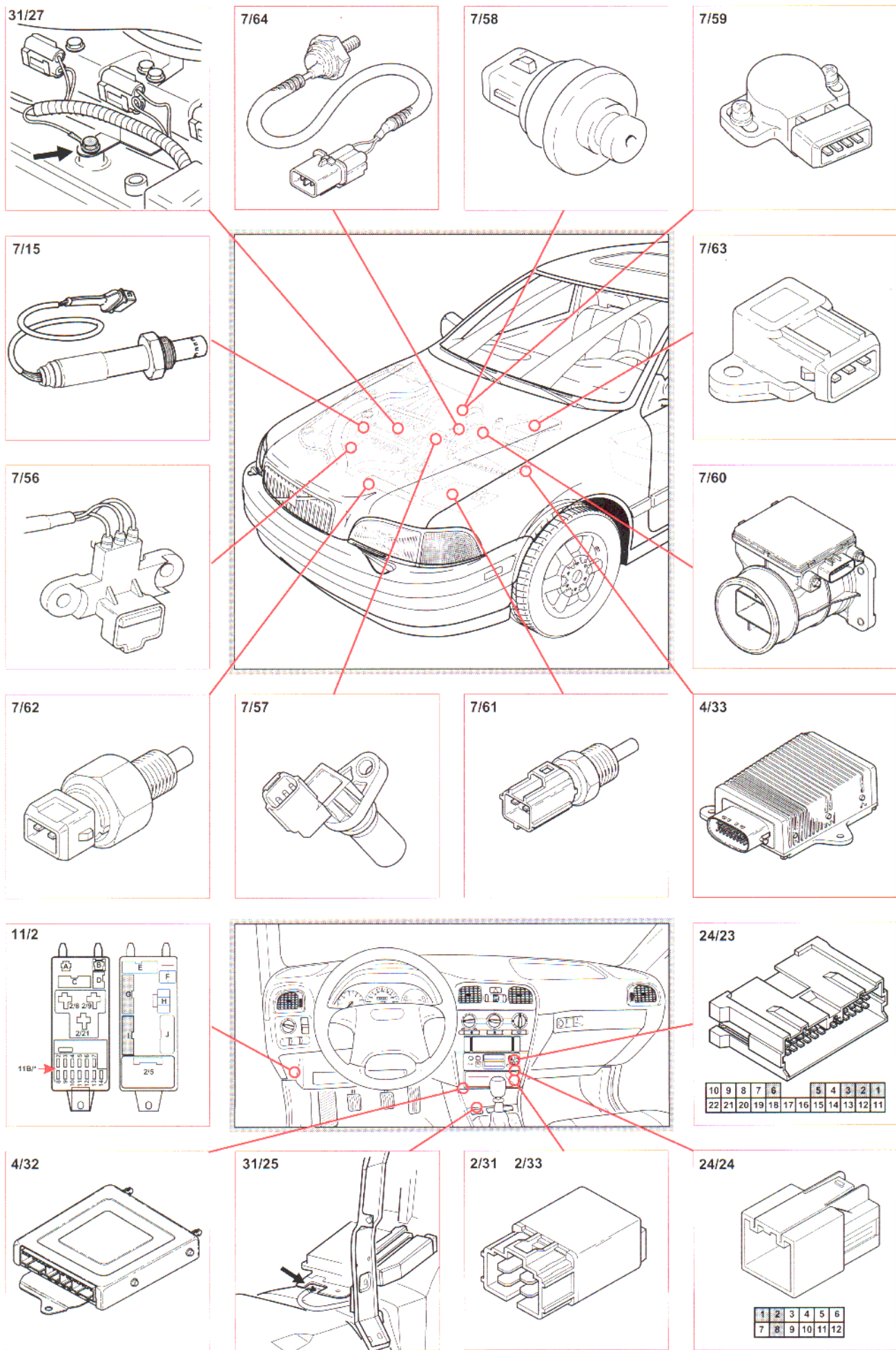
Fuel injection system EMS 2000 Turbo



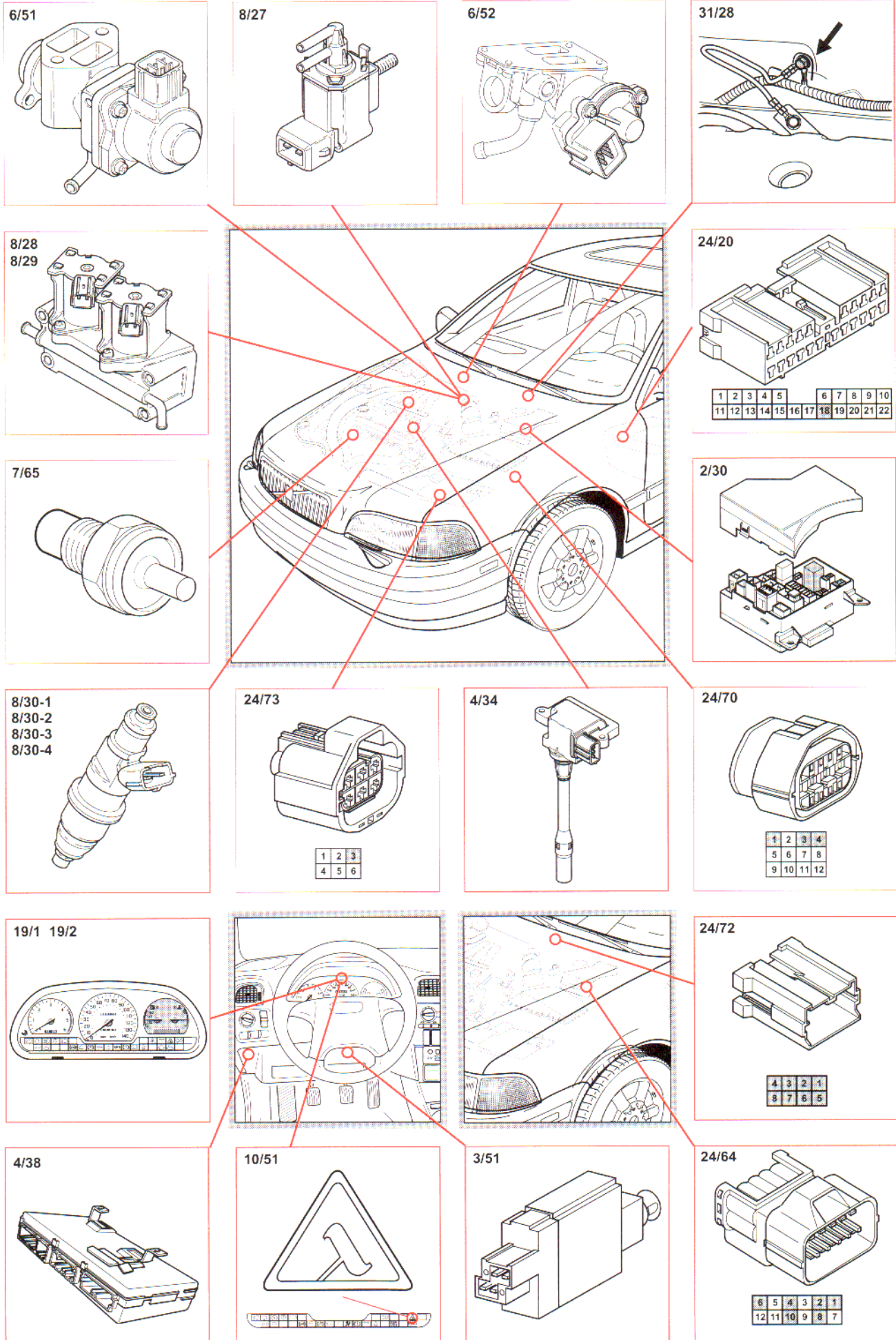
Fuel injection system MELCO 1

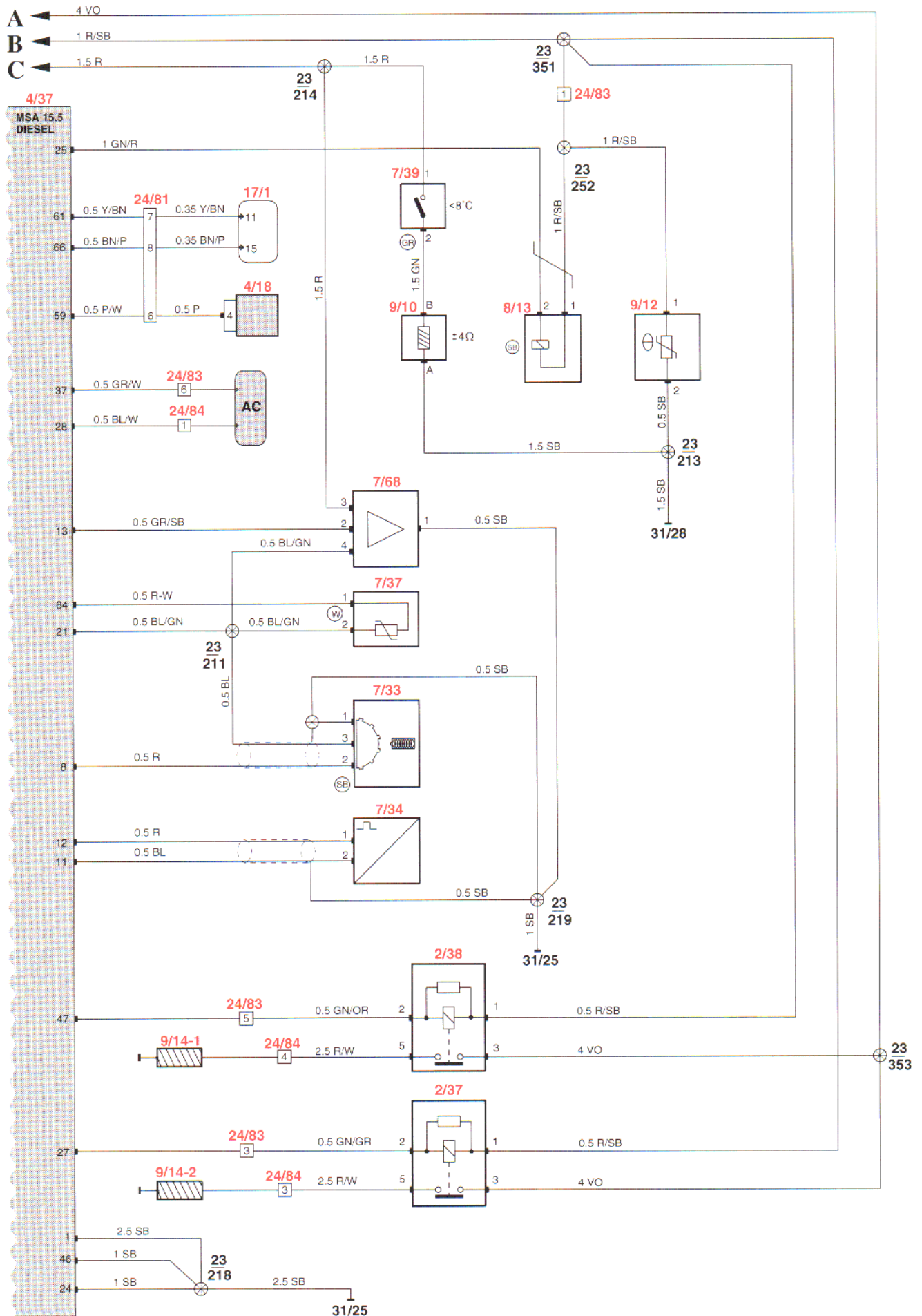


Fuel injection system MELCO 1



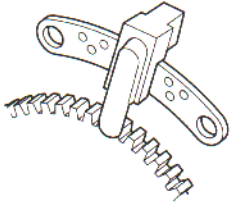
Fuel injection system MELCO 1





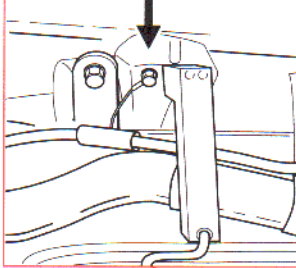
Fuel injection system Diesel

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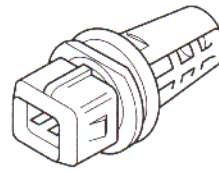


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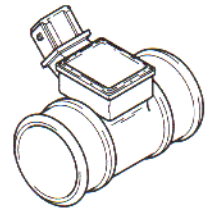
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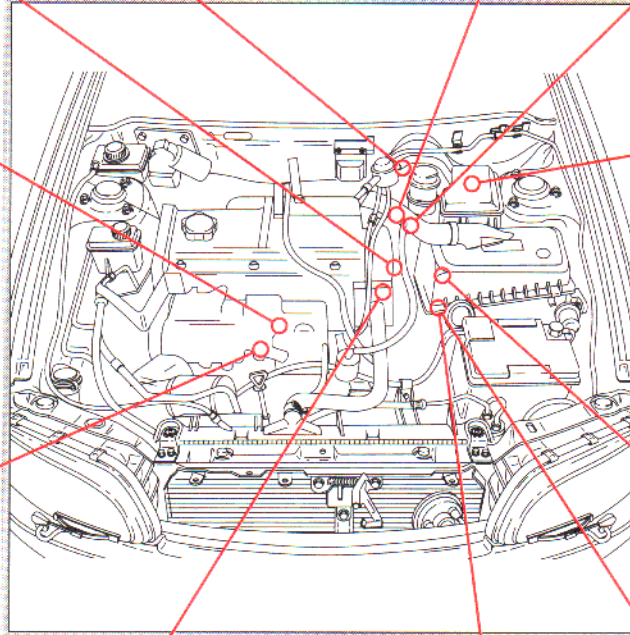
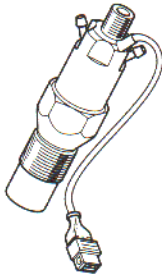
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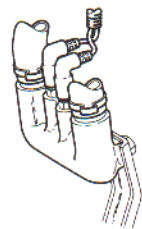
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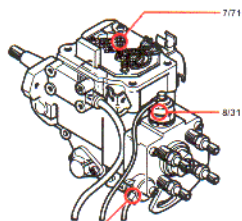
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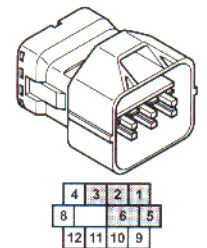
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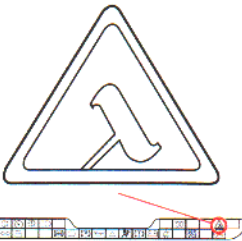
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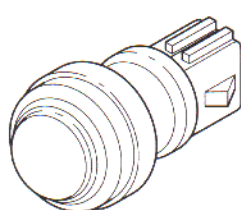
24/83



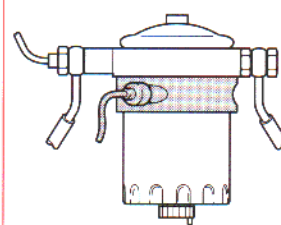
10/51



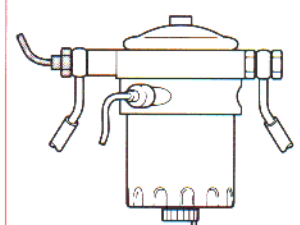
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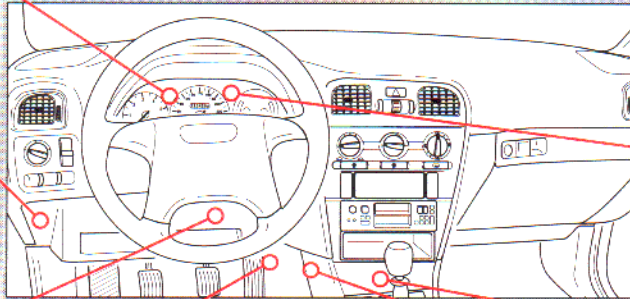
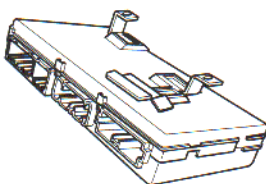
9/10



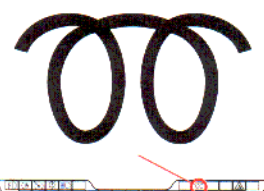
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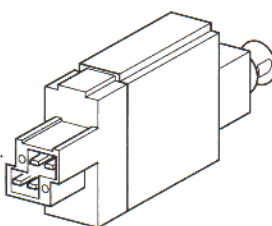
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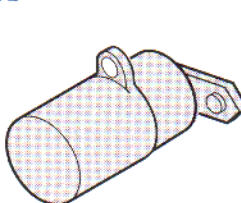
10/71



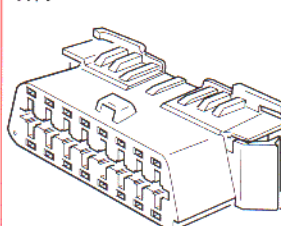
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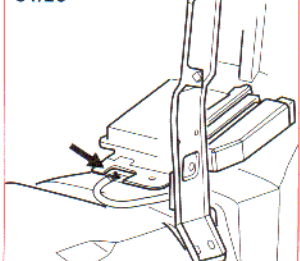
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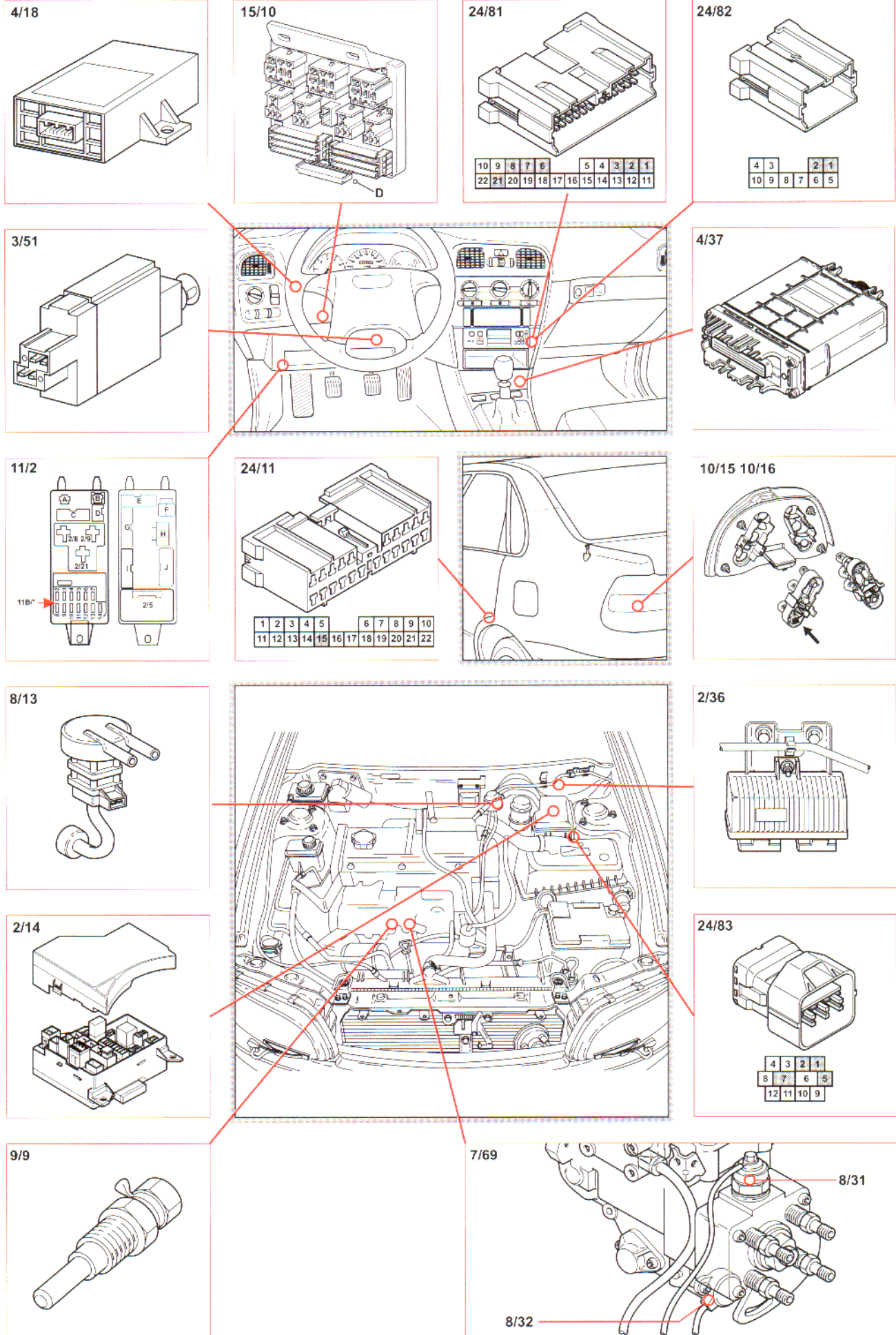
17/1

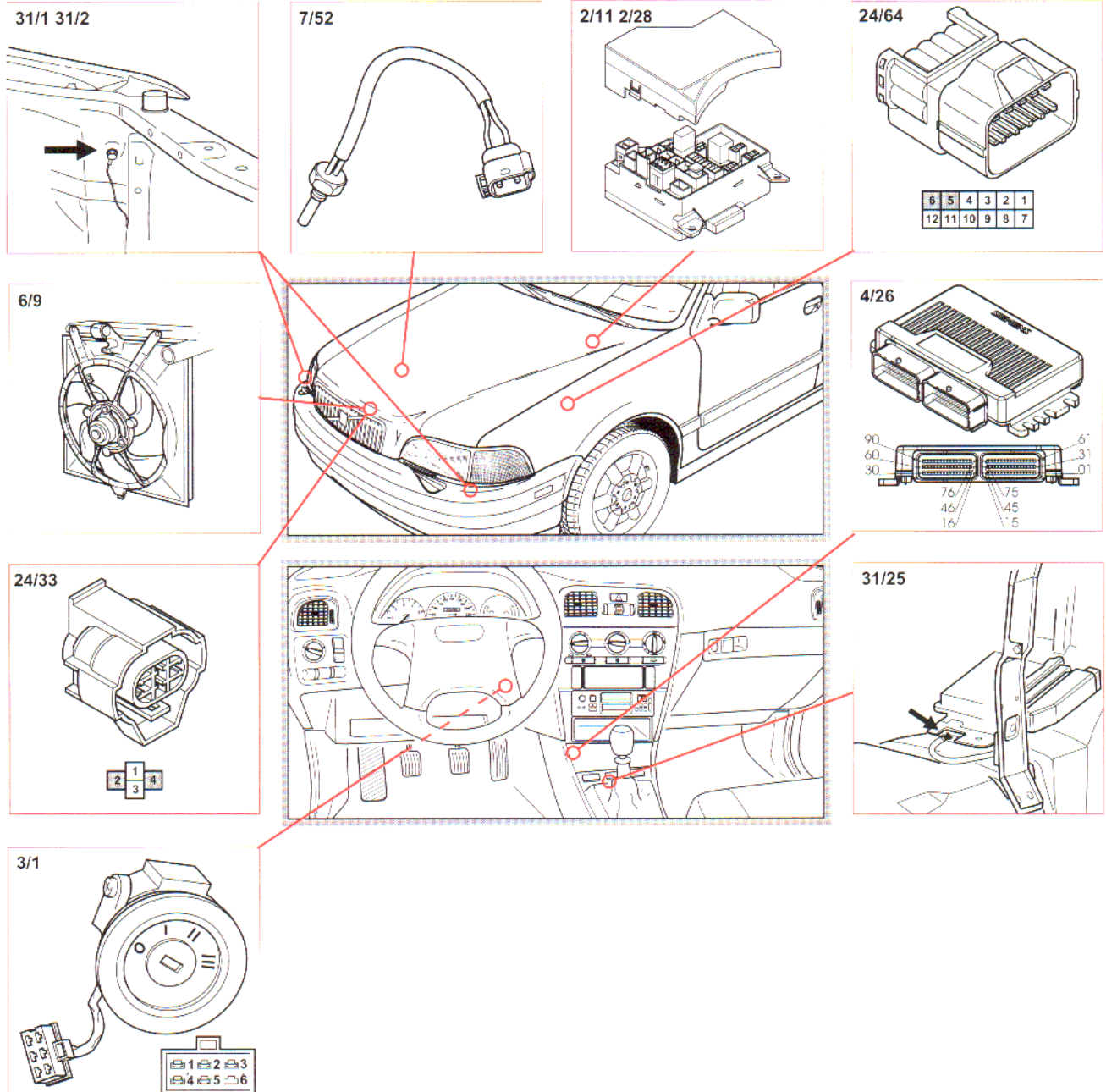


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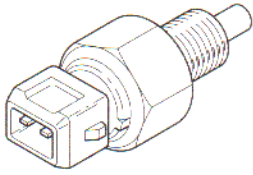


Fuel injection system Diesel

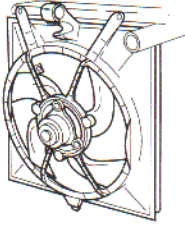




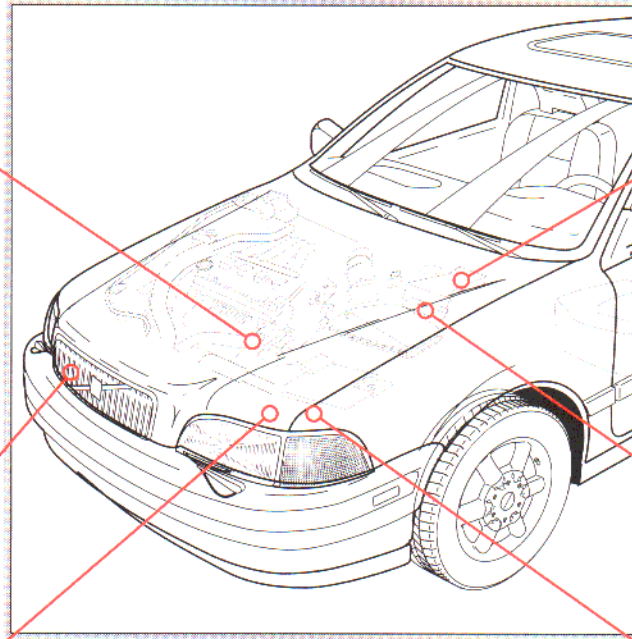
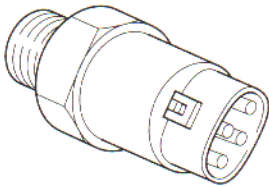
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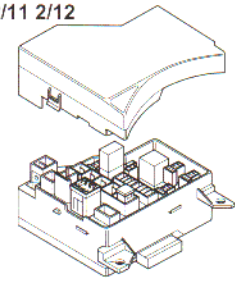
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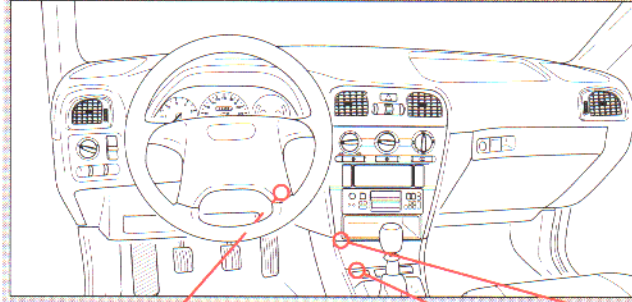
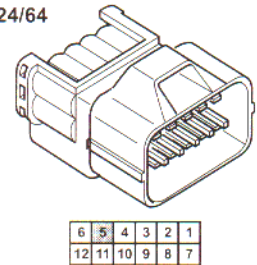
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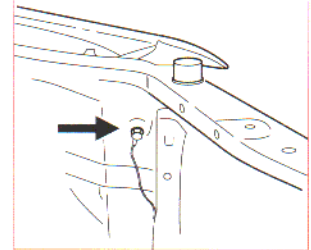
2/11 2/12



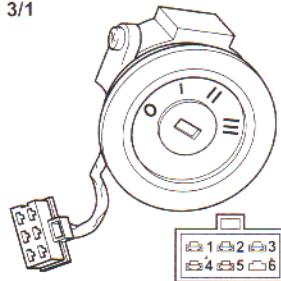
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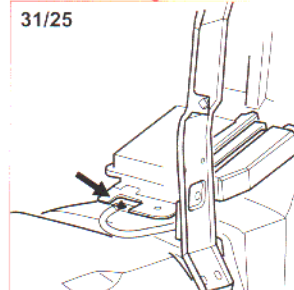
31/1 31/2



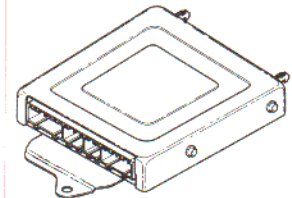
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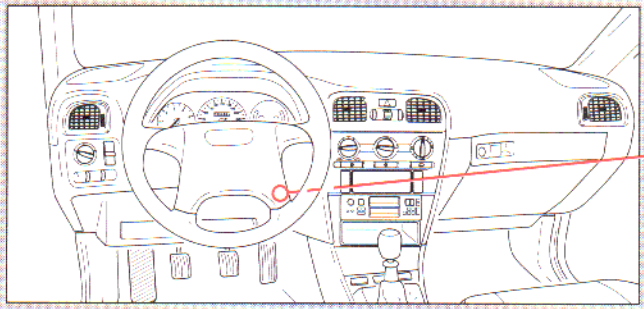
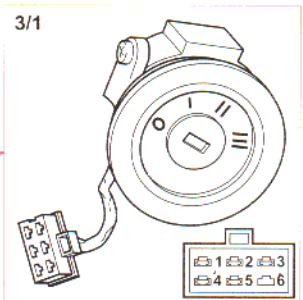
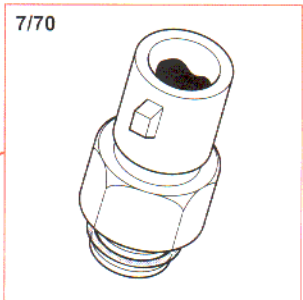
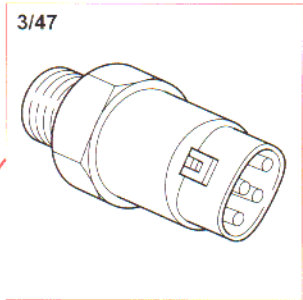
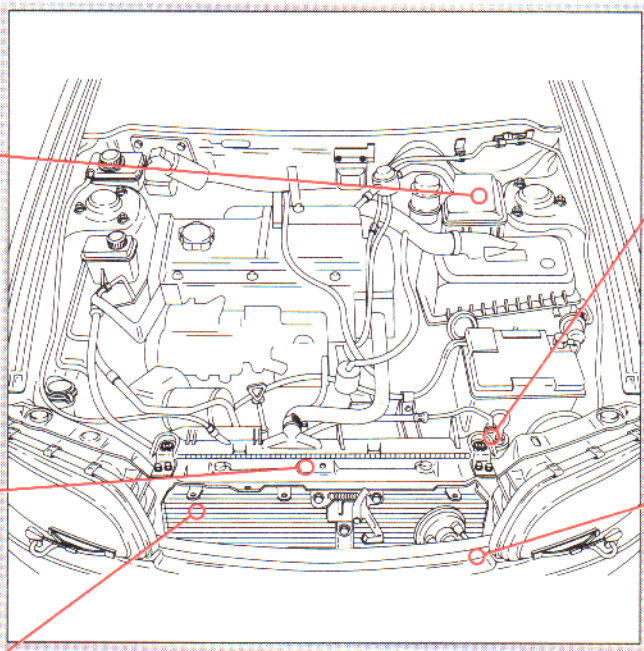
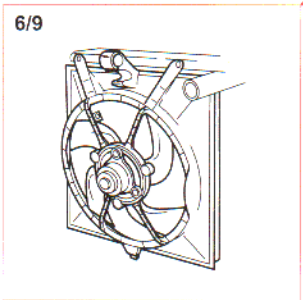
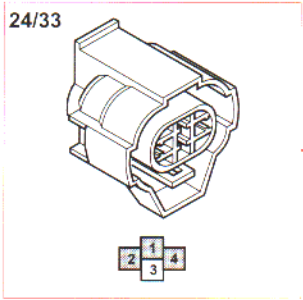
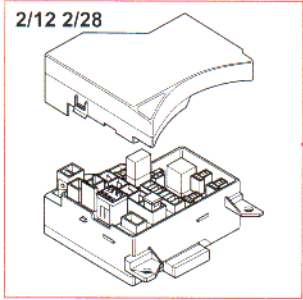


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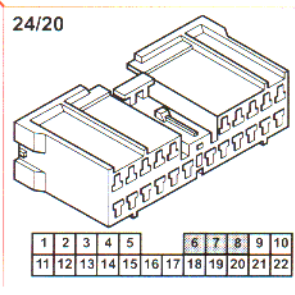
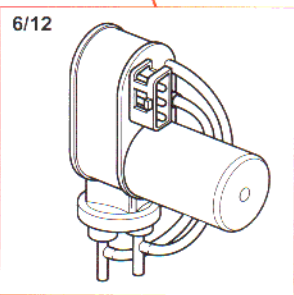
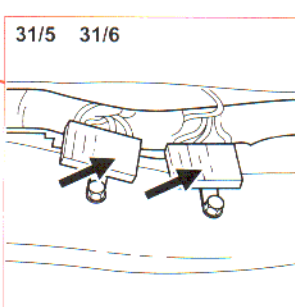
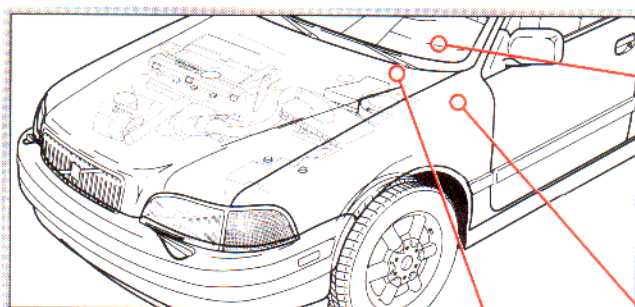
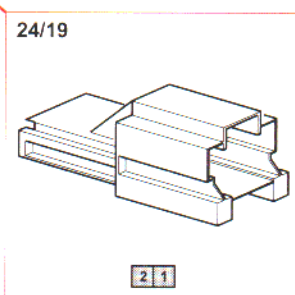
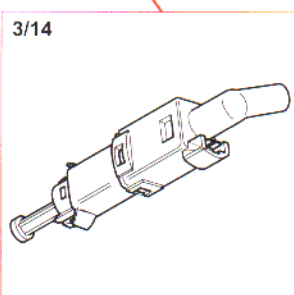
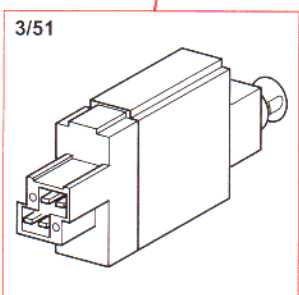
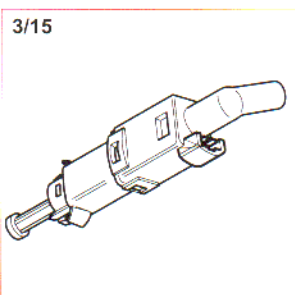
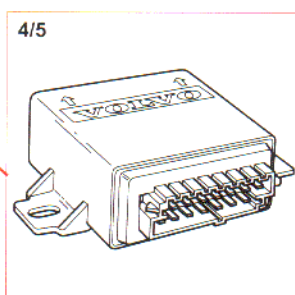
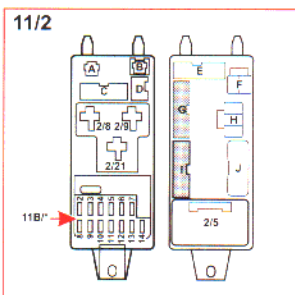
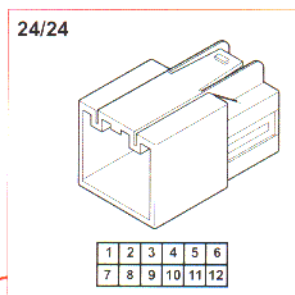
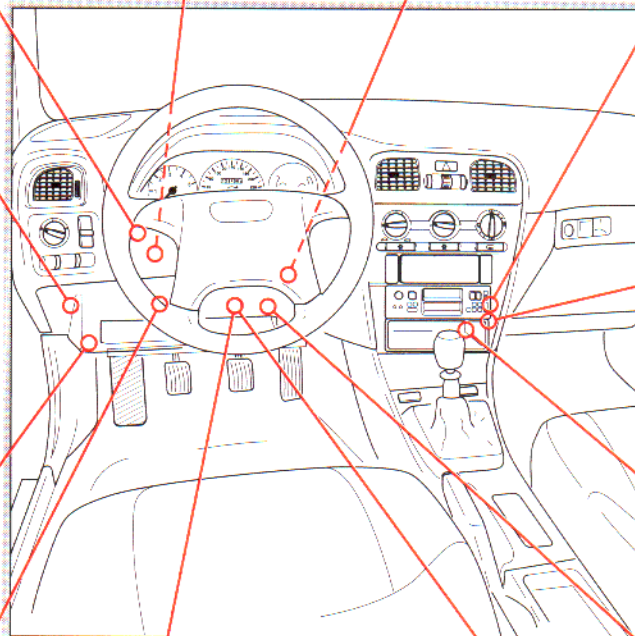
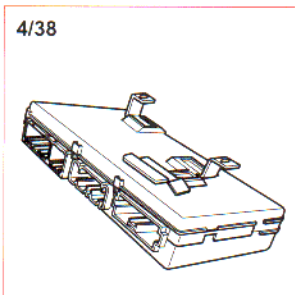
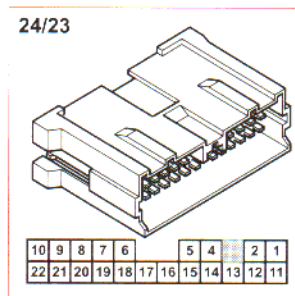
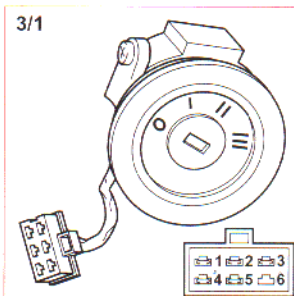
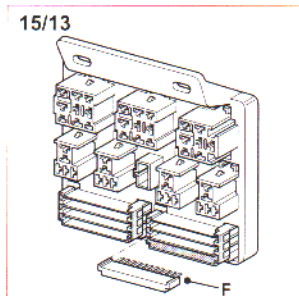
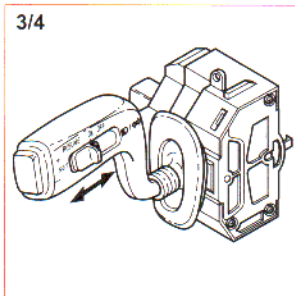


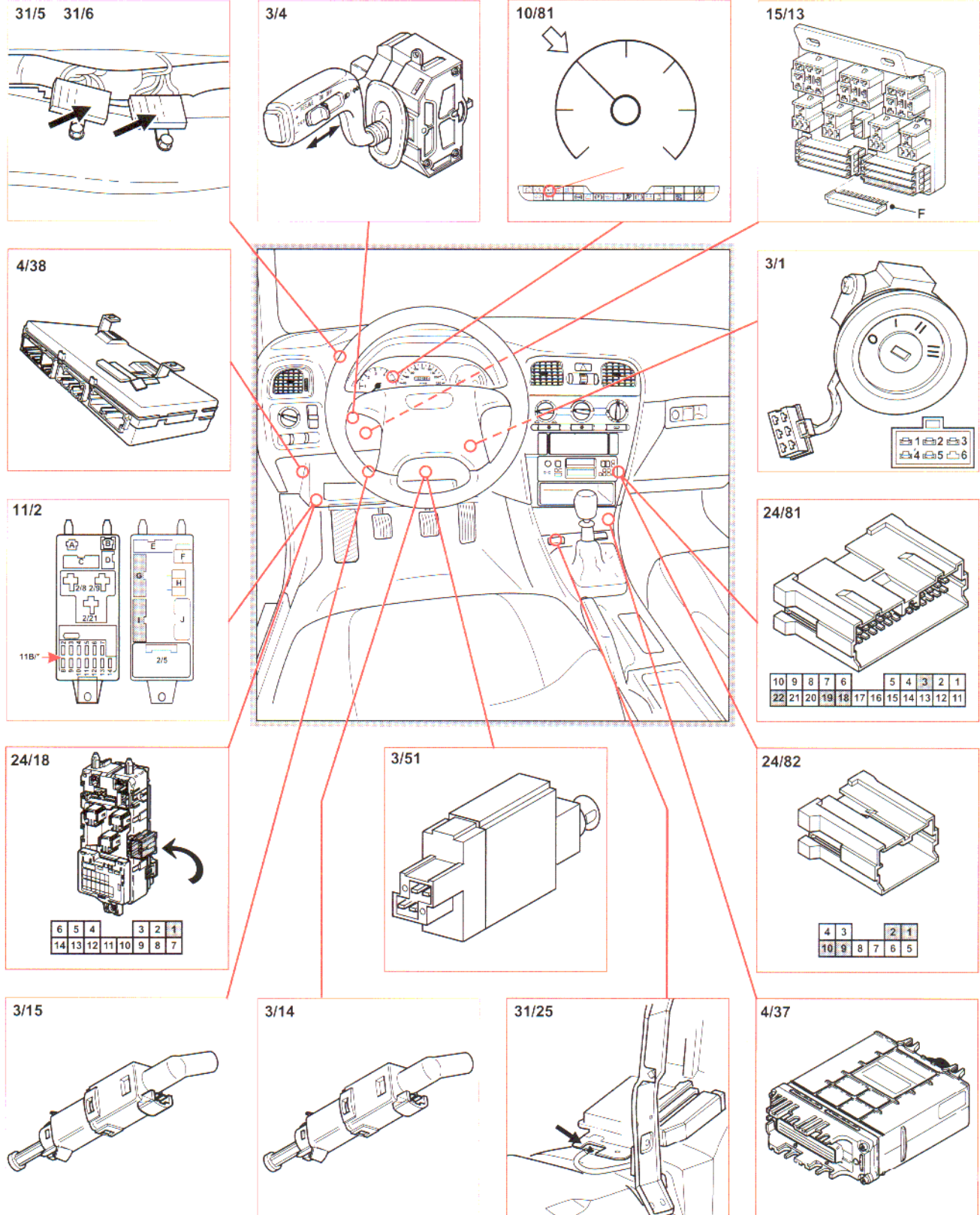
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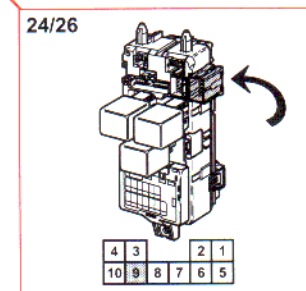
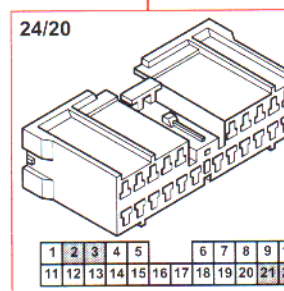
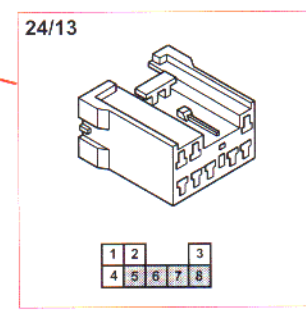
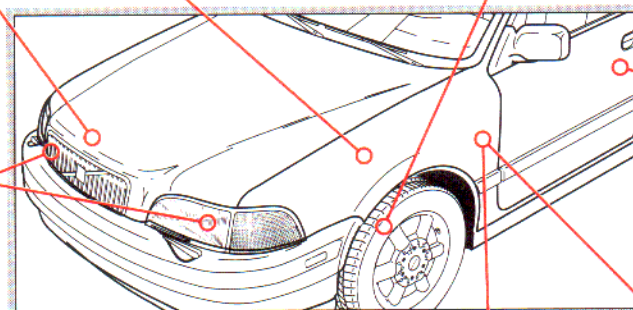
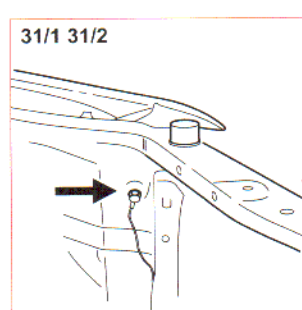
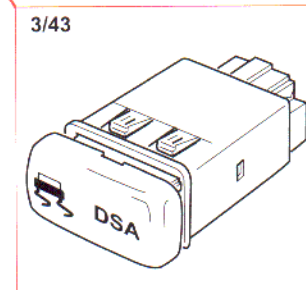
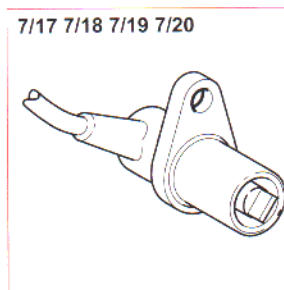
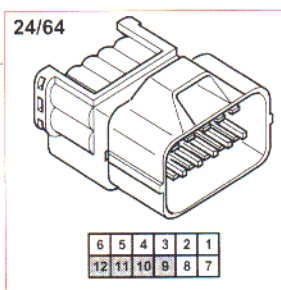
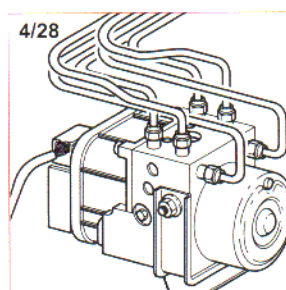
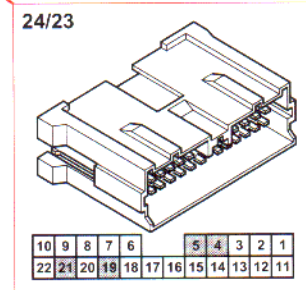
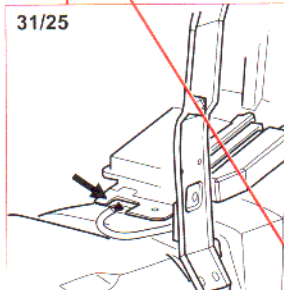
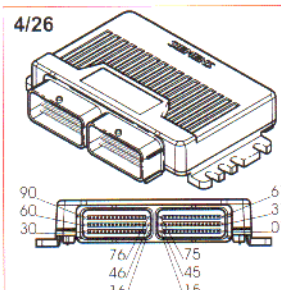
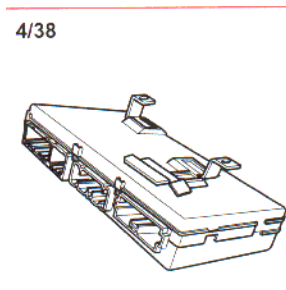
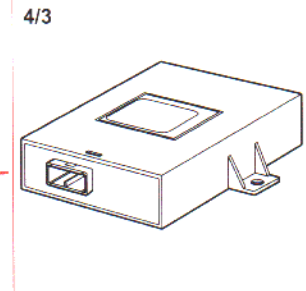
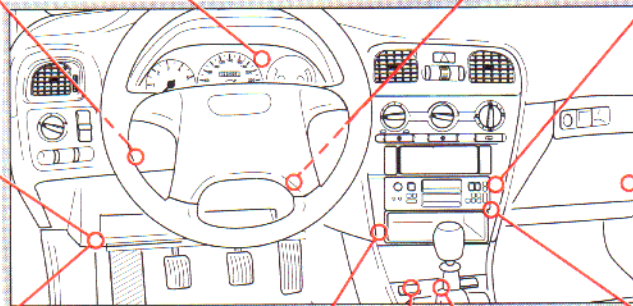
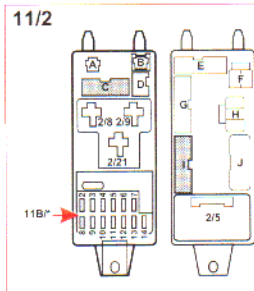
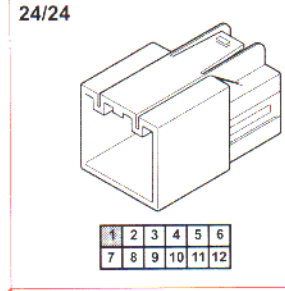
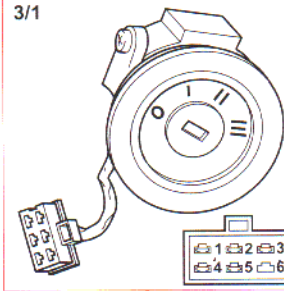
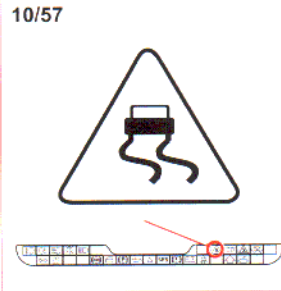
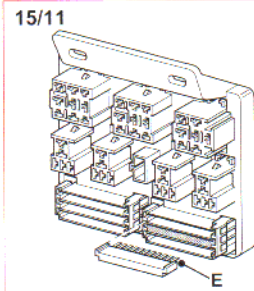


Cruise control Gasoline

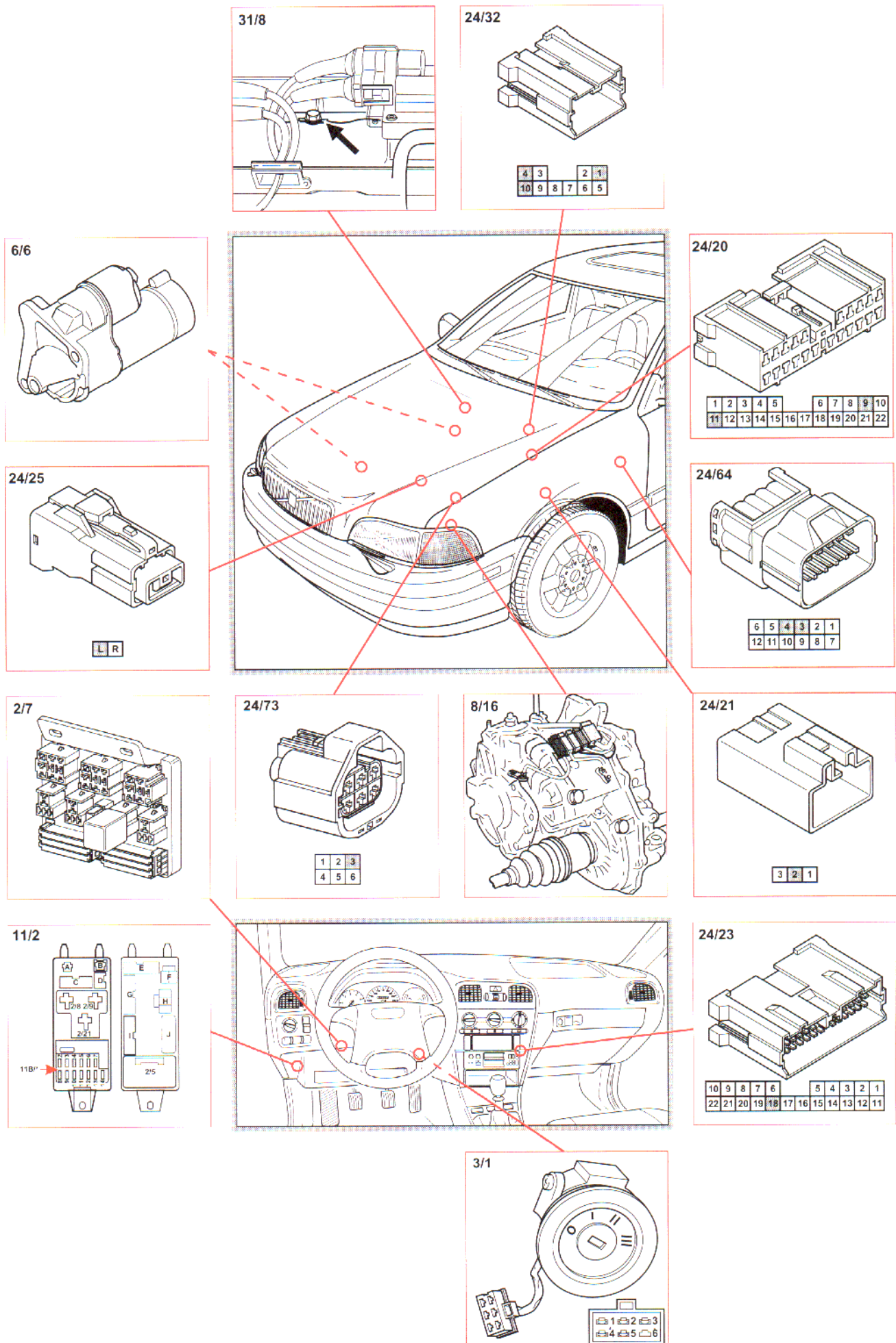




Dynamic stability system (DSA)

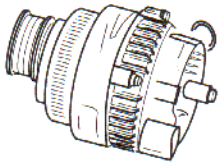


Starter circuit

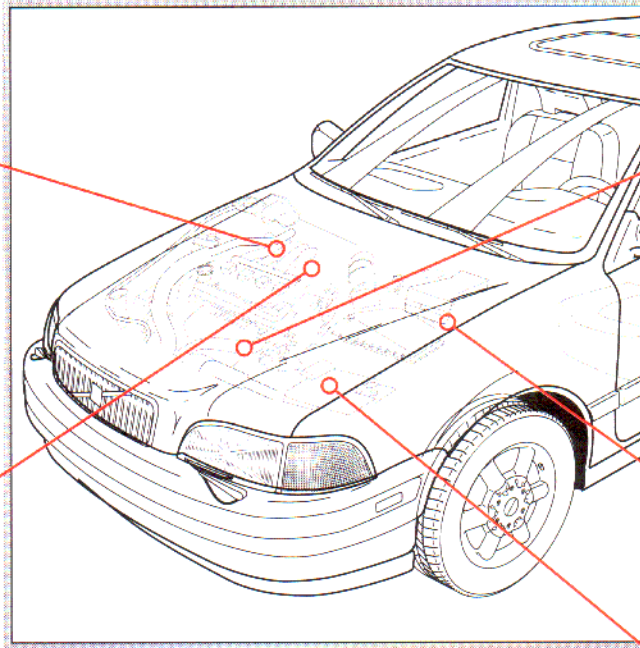
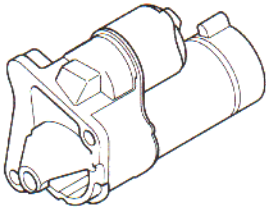


Charging circuit

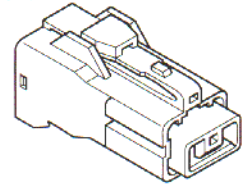
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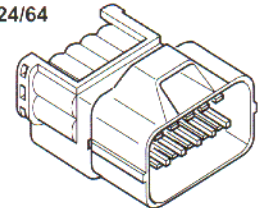


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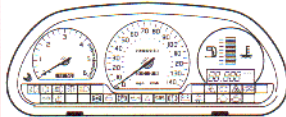
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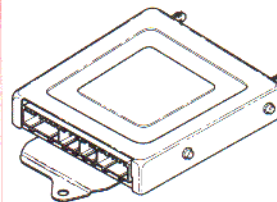


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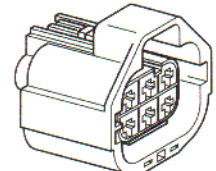
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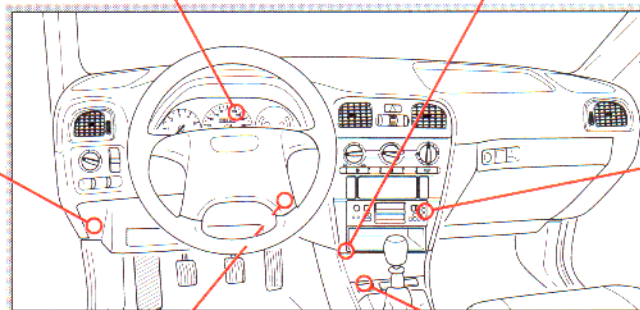
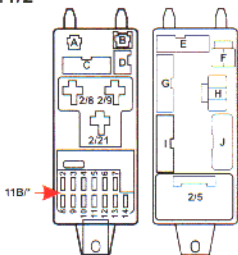


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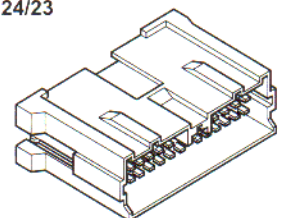


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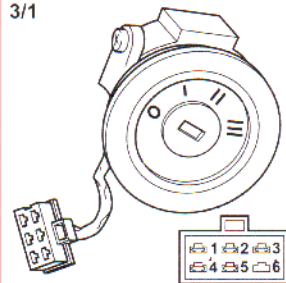


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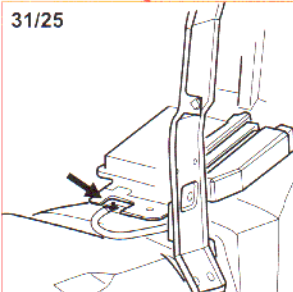


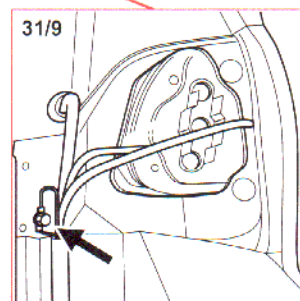
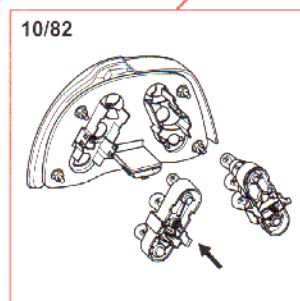
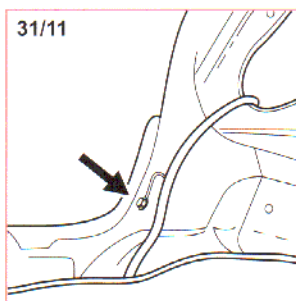
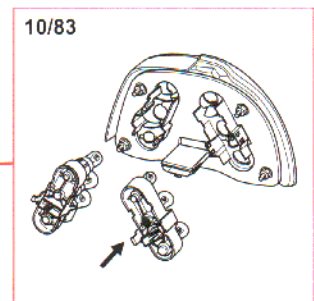
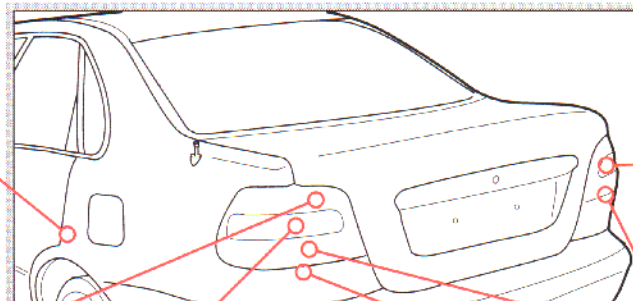
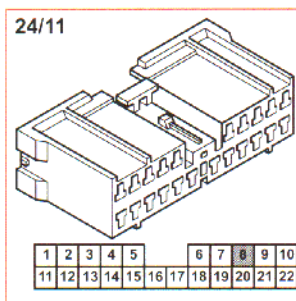
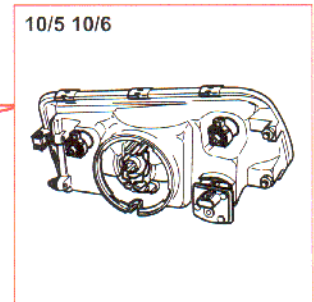
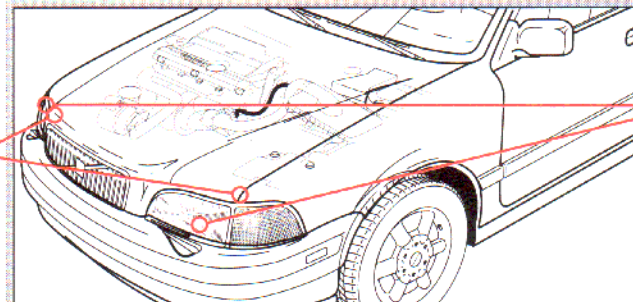
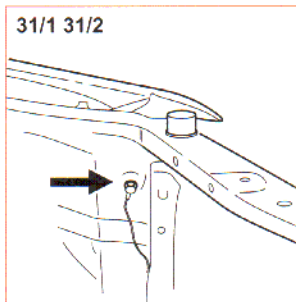
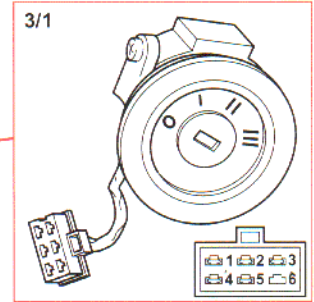
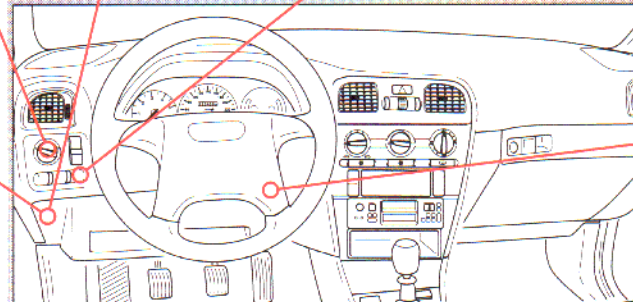
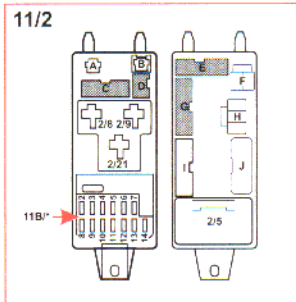
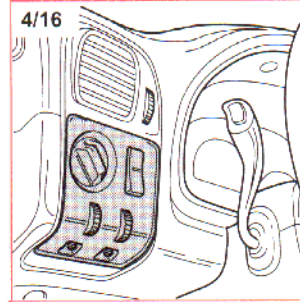
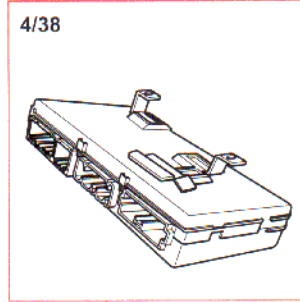
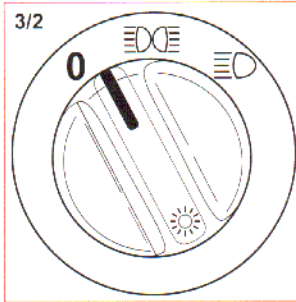
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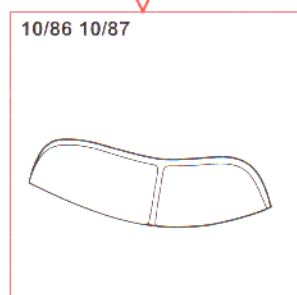
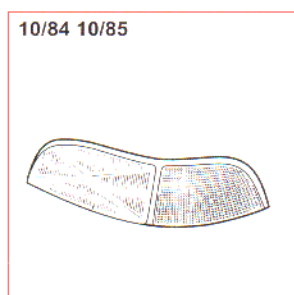
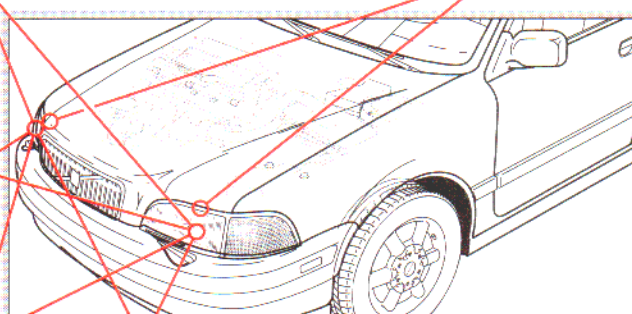
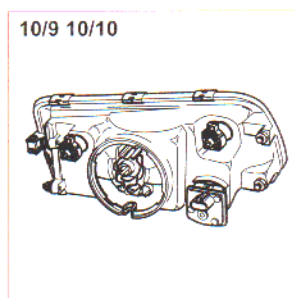
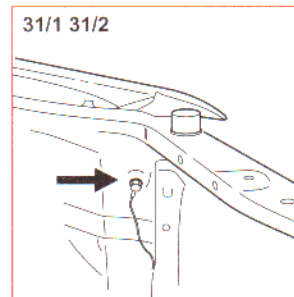
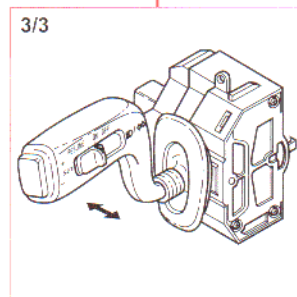
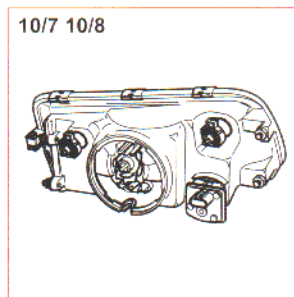
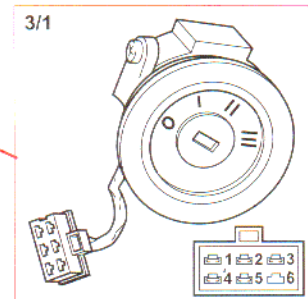
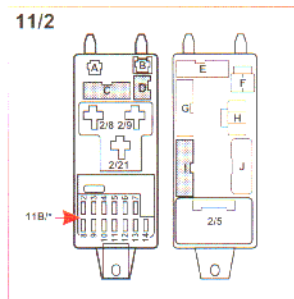
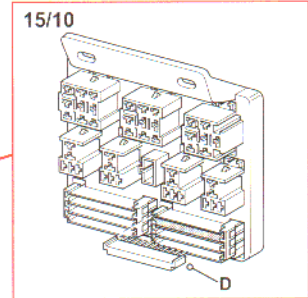
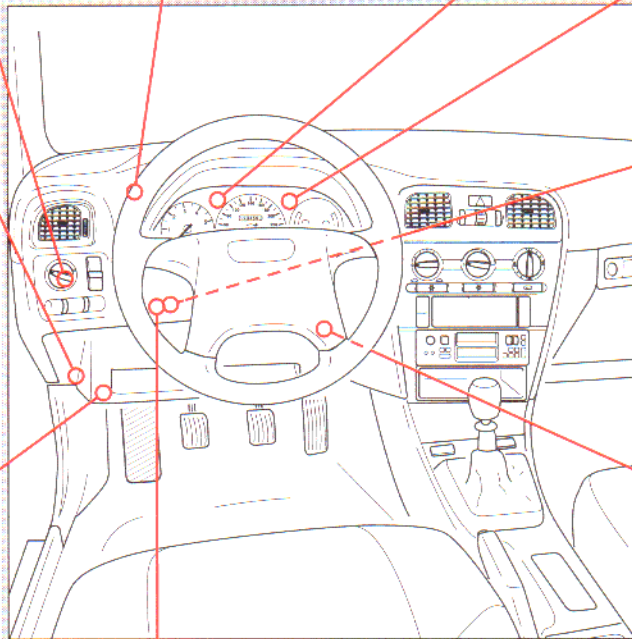
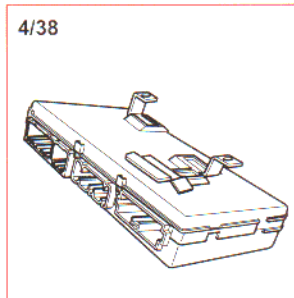
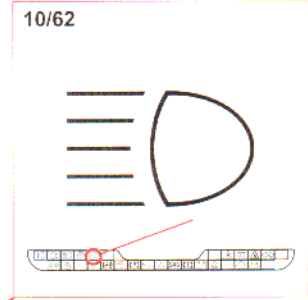
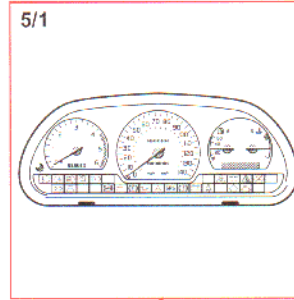
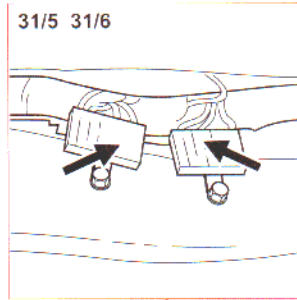
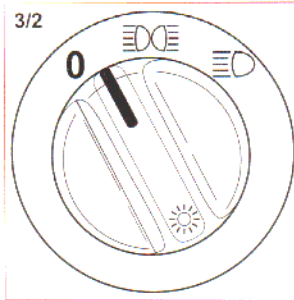


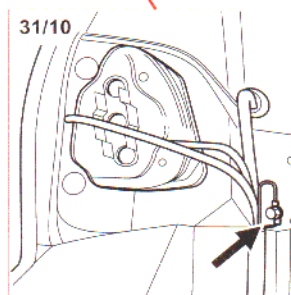
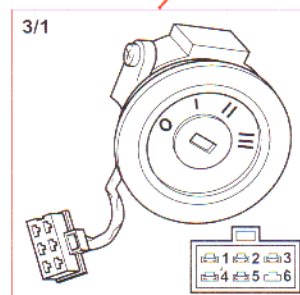
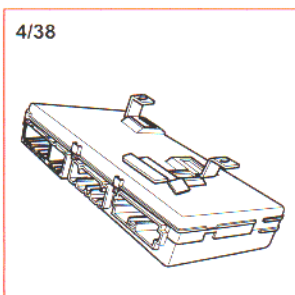
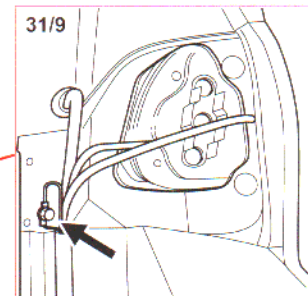
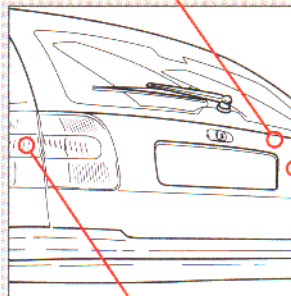
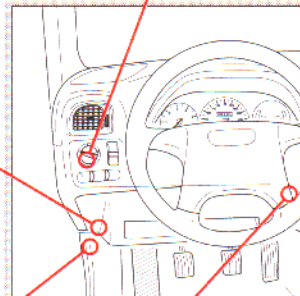
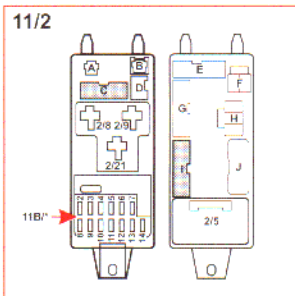
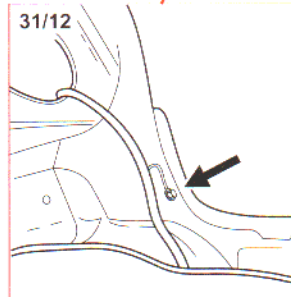
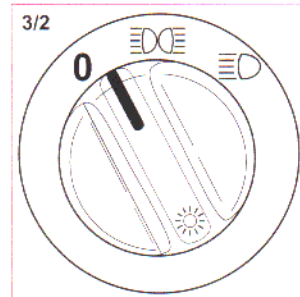
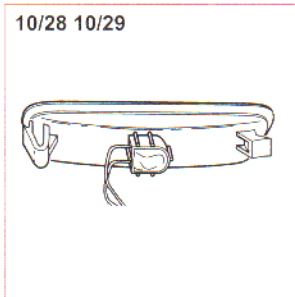
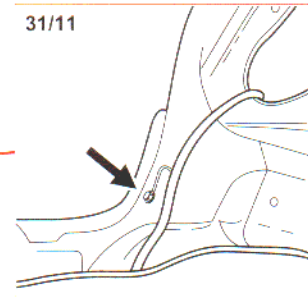
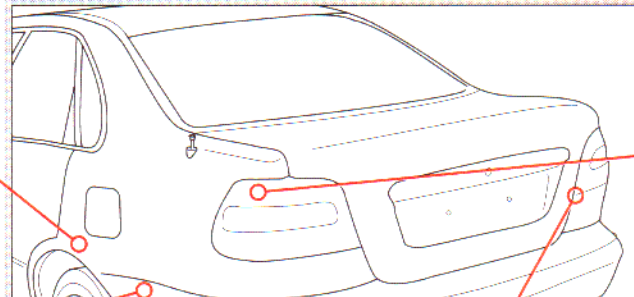
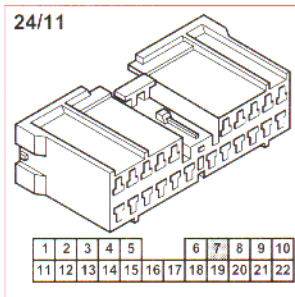
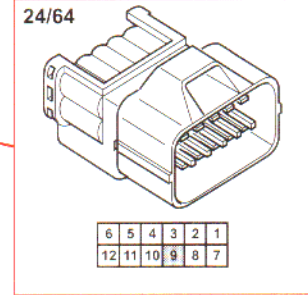
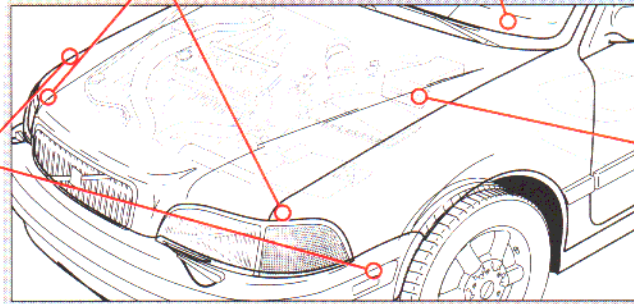
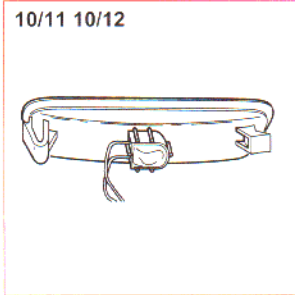
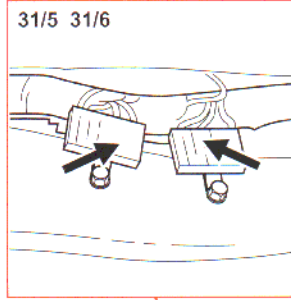
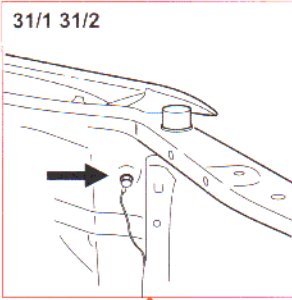
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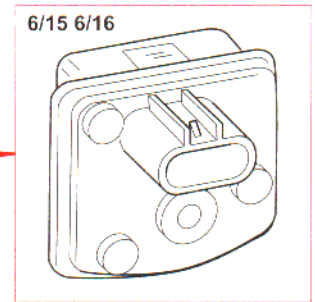
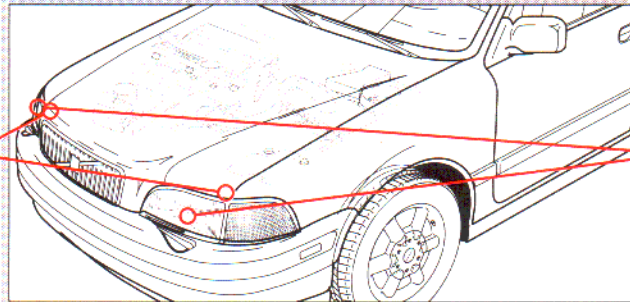
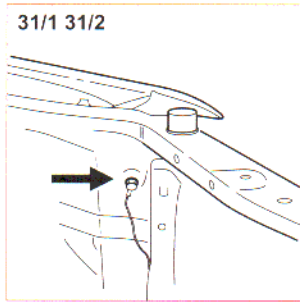
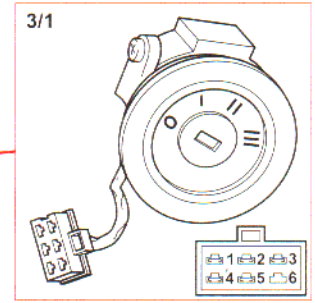
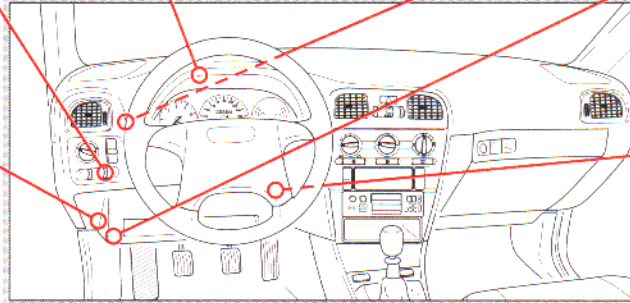
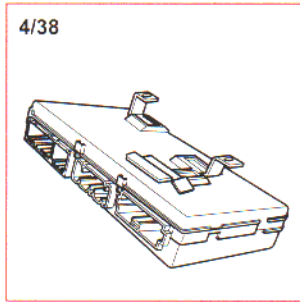
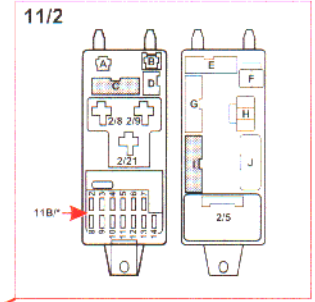
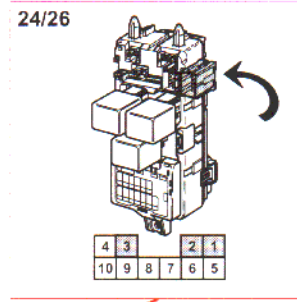
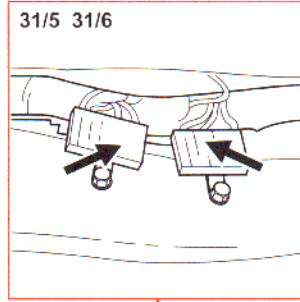
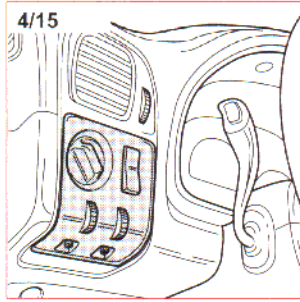


High and low beams

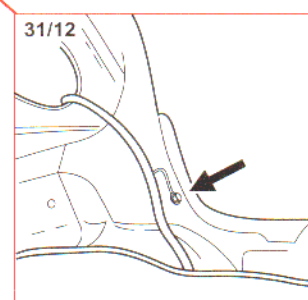
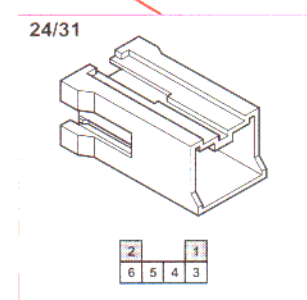
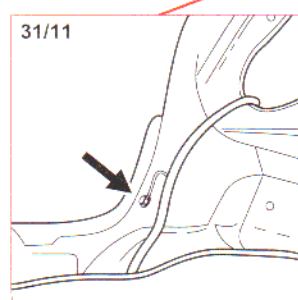
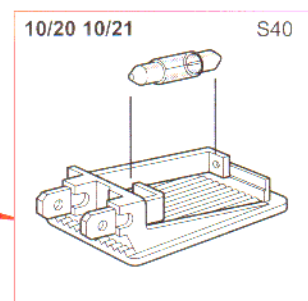
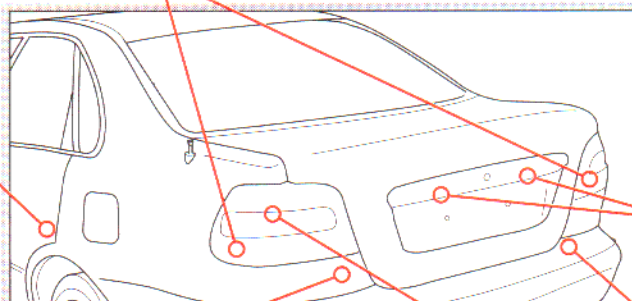
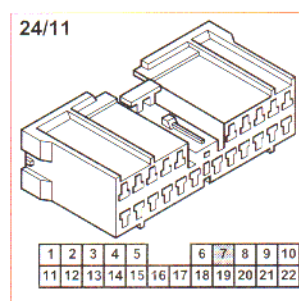
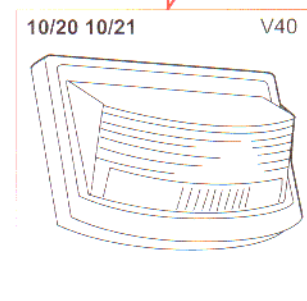
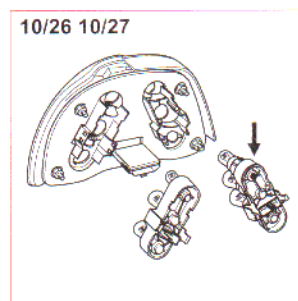
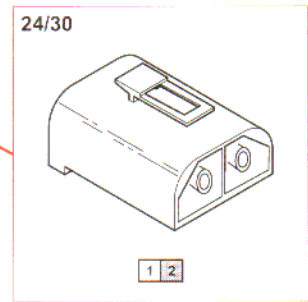
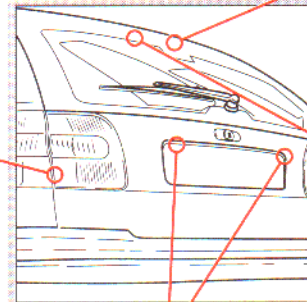
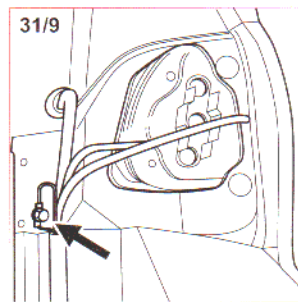
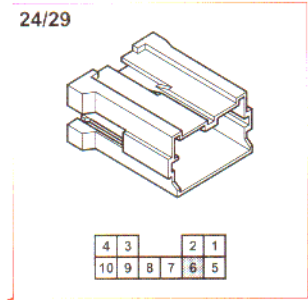
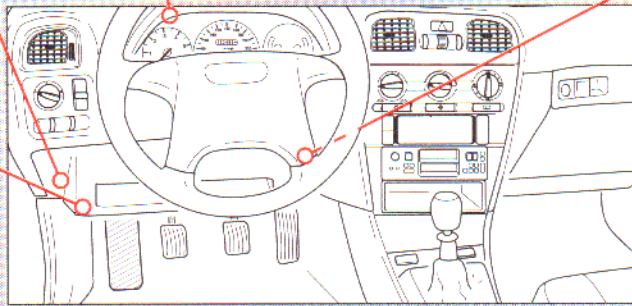
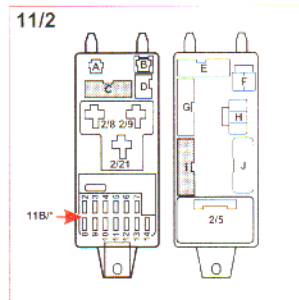
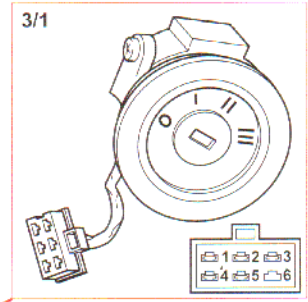
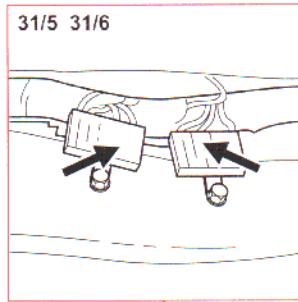
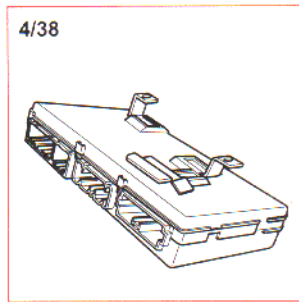




Headlamp alignment

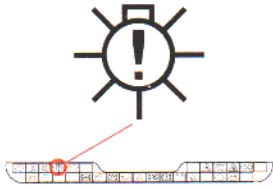


Tail lighting and license plate lighting

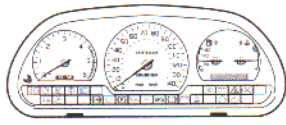


Stop (brake) lamps and bulb failure warning sensor

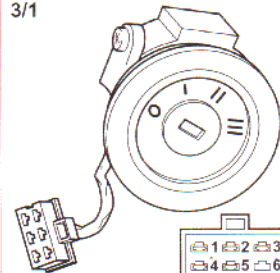
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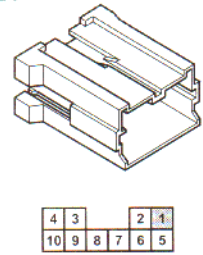
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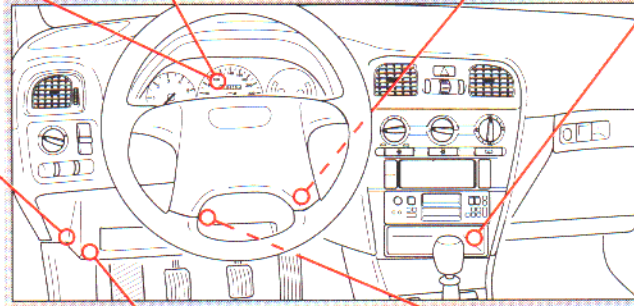
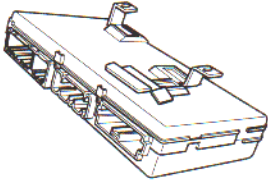
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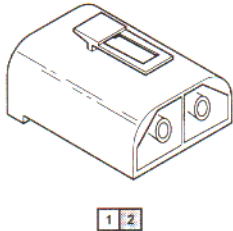
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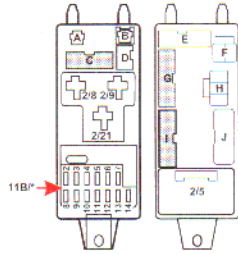
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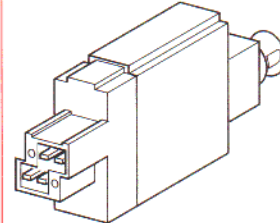
24/30



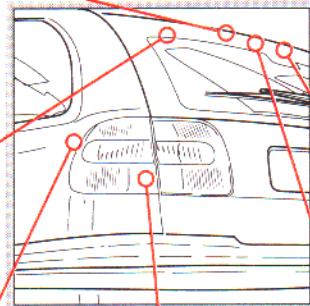
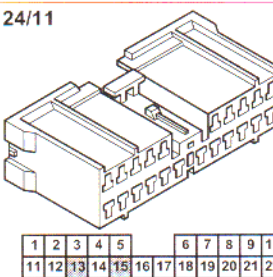
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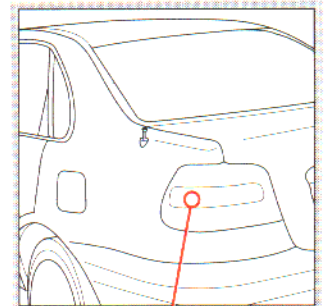
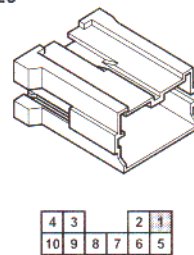
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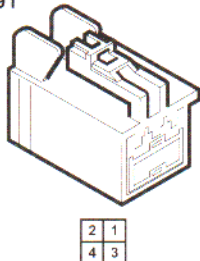
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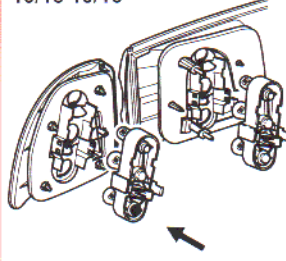
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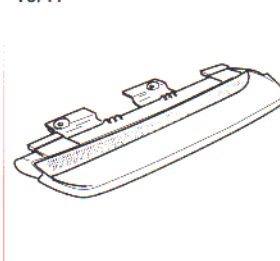
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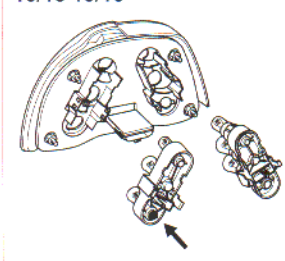
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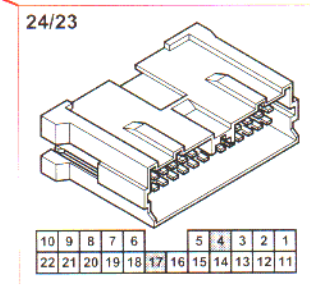
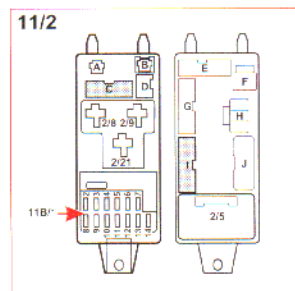
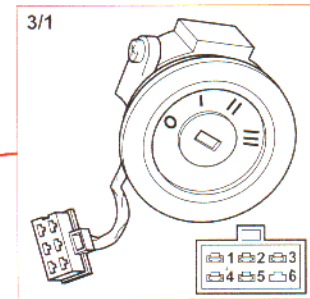
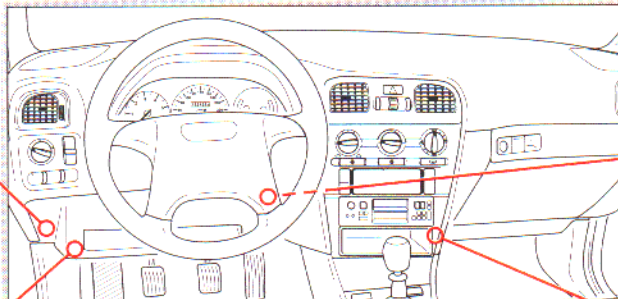
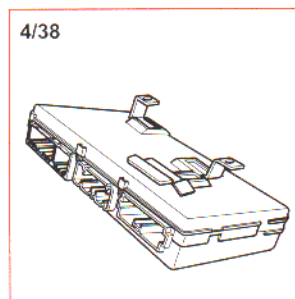
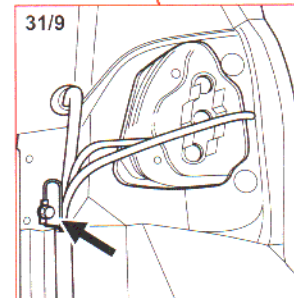
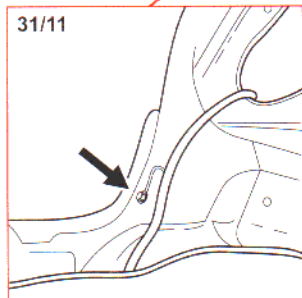
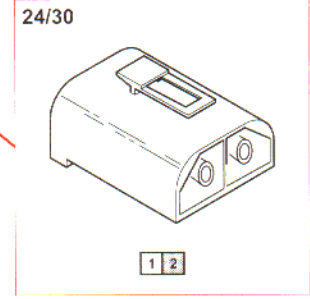
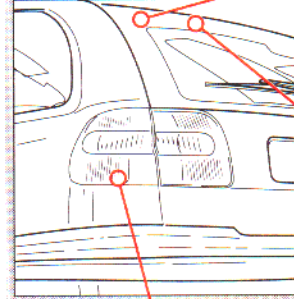
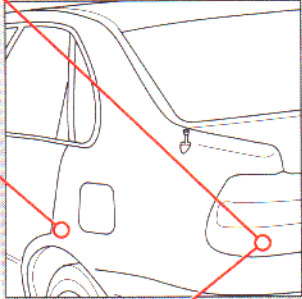
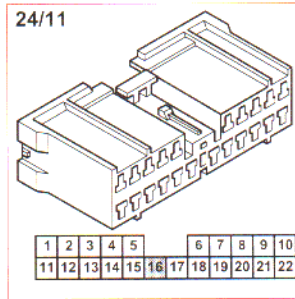
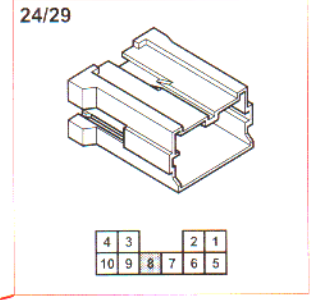
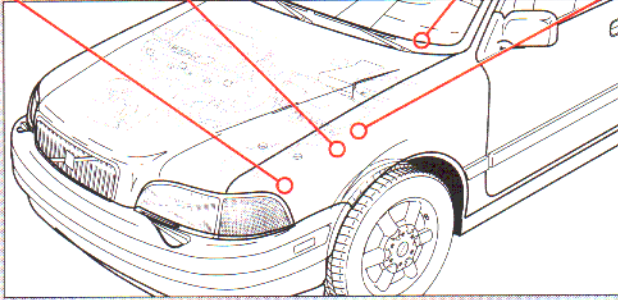
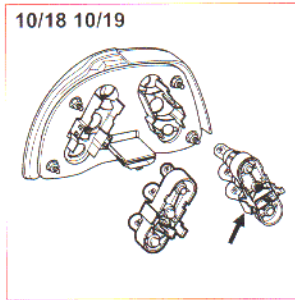
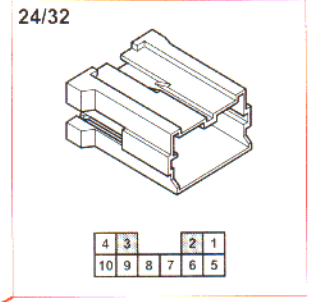
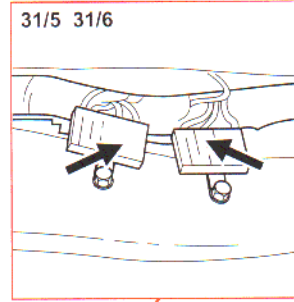
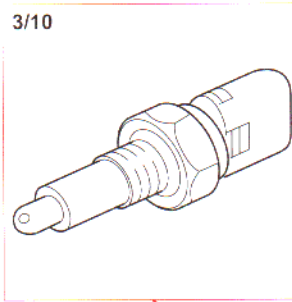
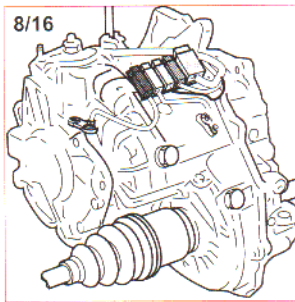
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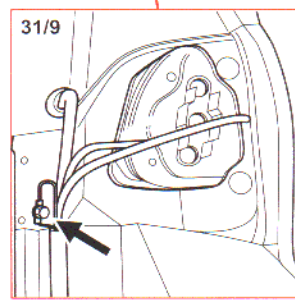
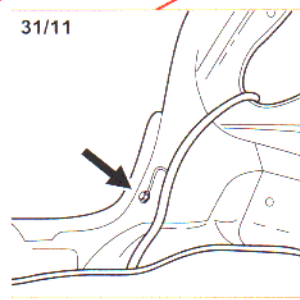
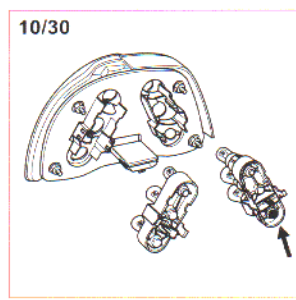
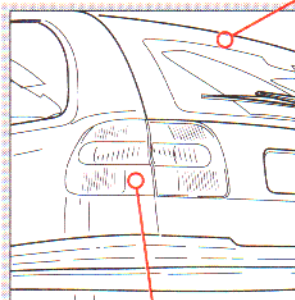
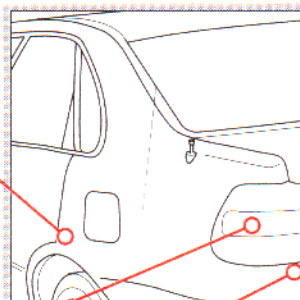
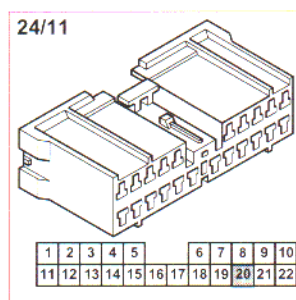
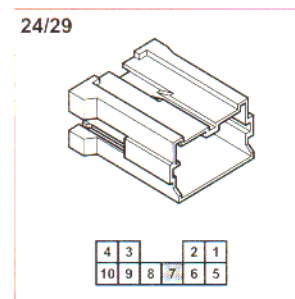
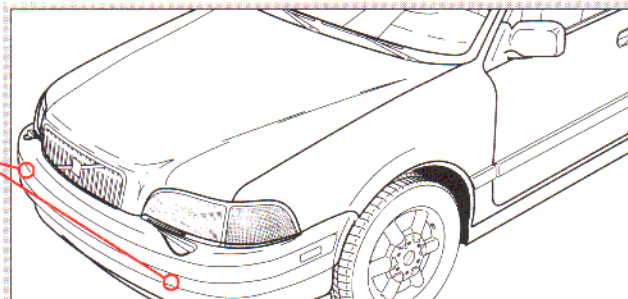
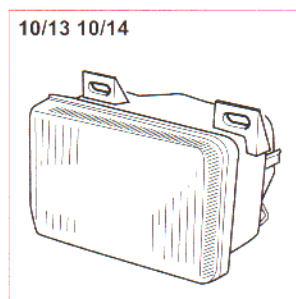
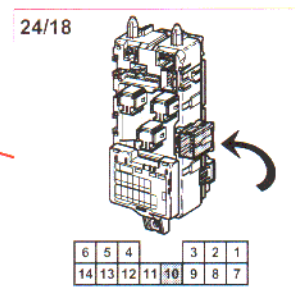
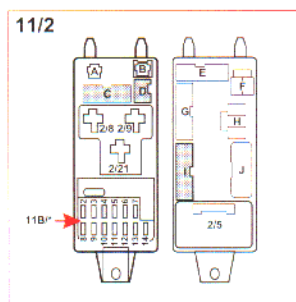
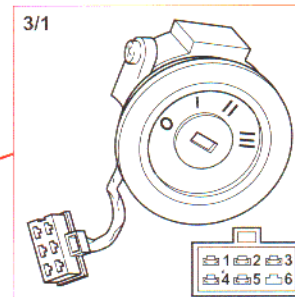
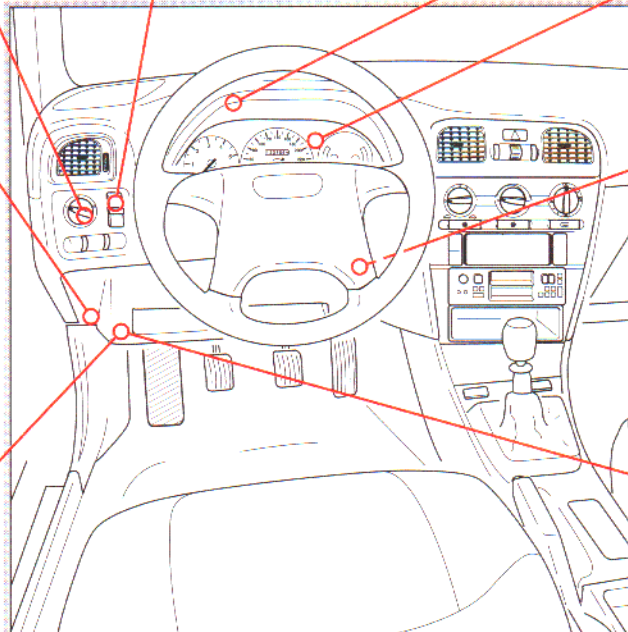
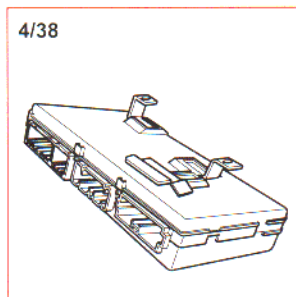
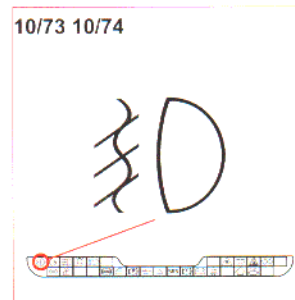
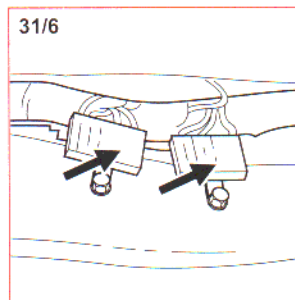
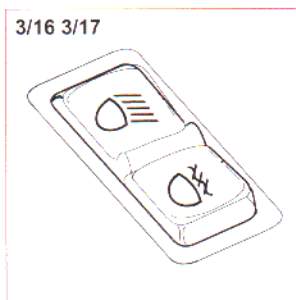
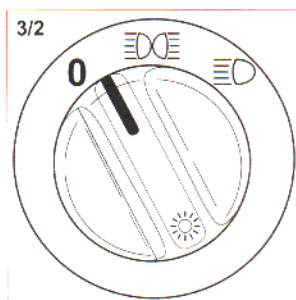


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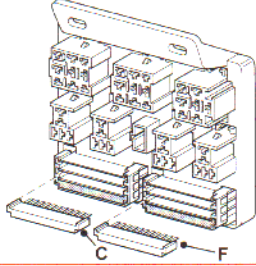
Back-up (reversing) lamps



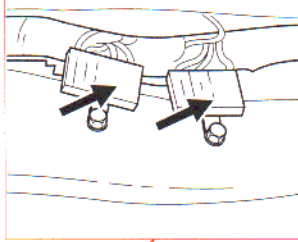


Glove compartment and courtesy lighting

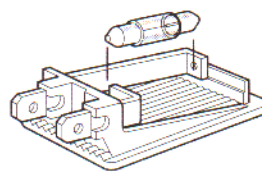
15/9 15/13



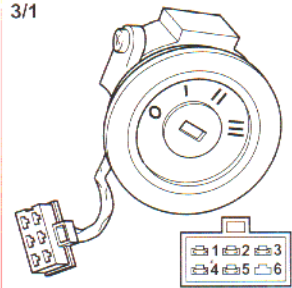
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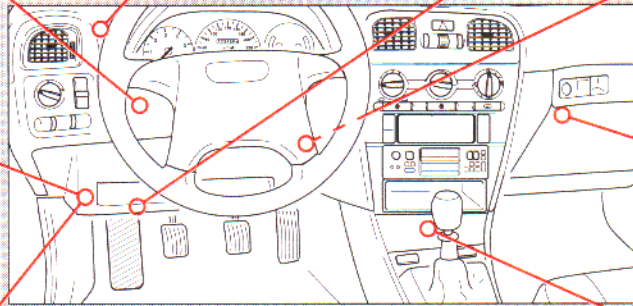
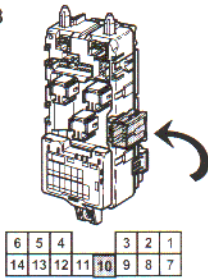
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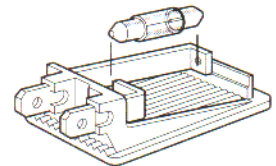
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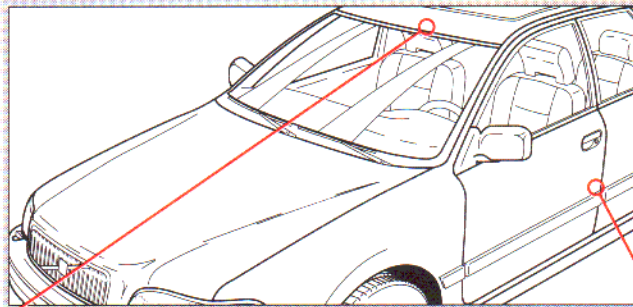
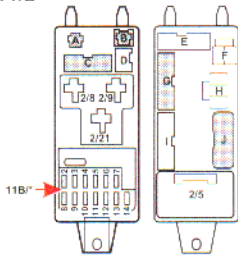
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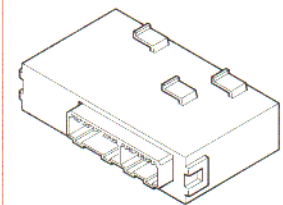
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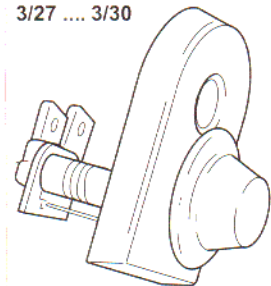
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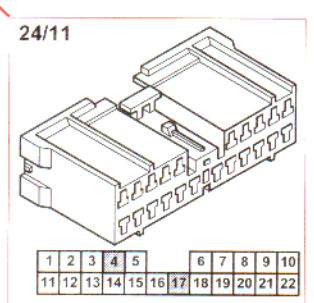
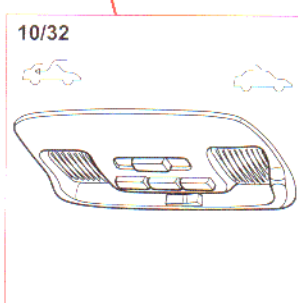
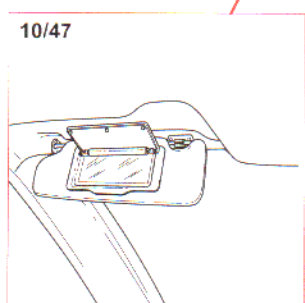
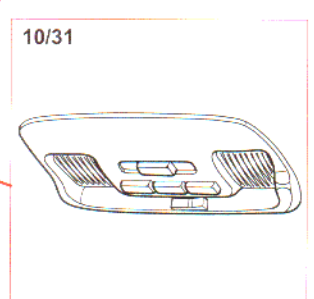
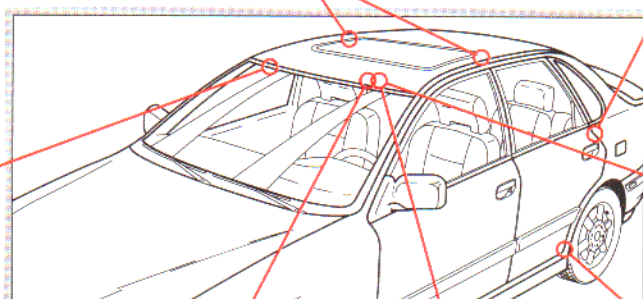
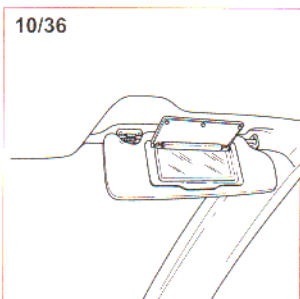
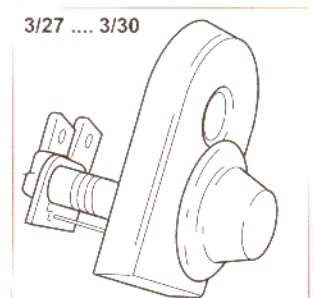
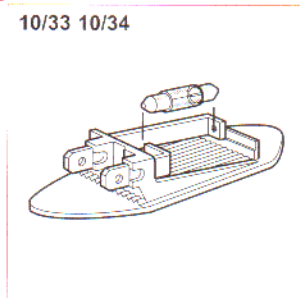
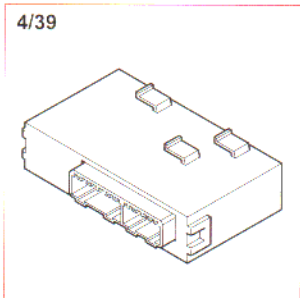
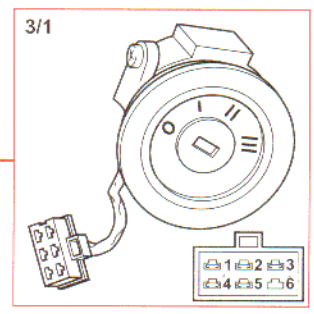
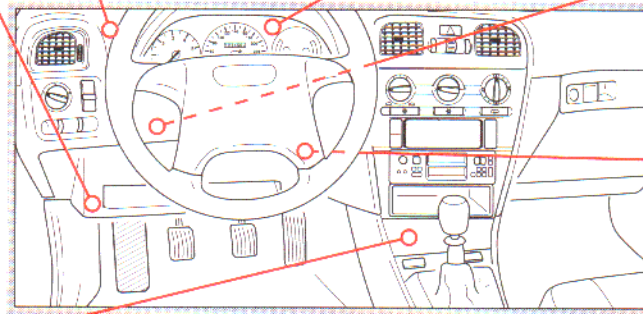
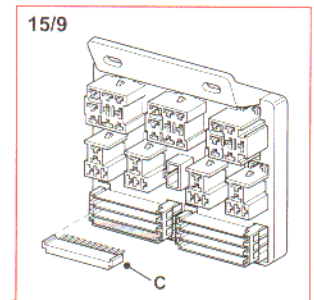
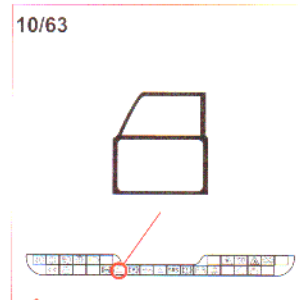
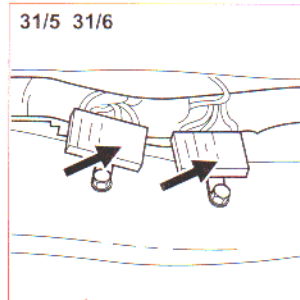
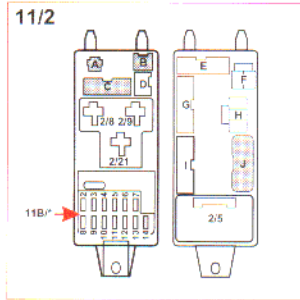


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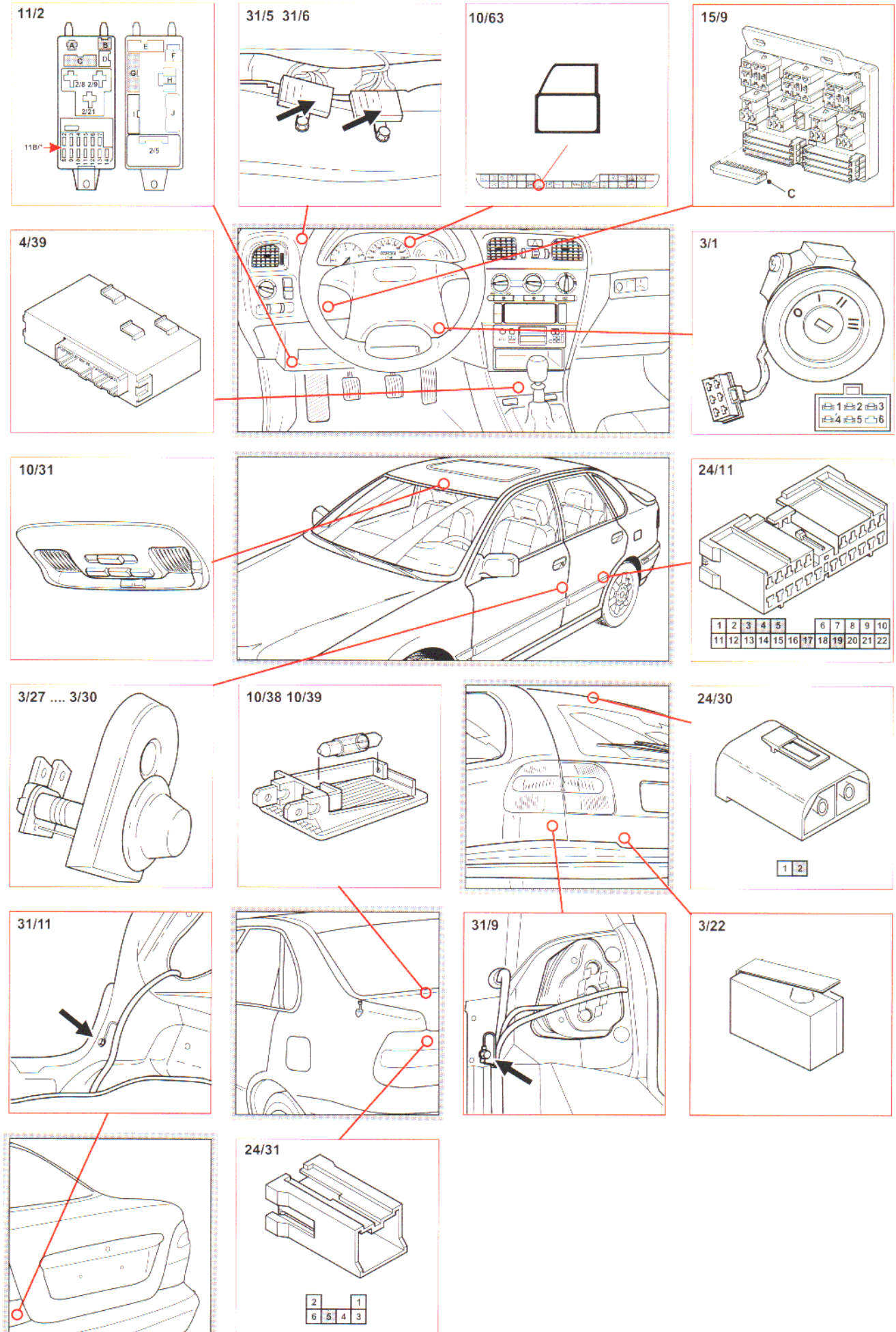


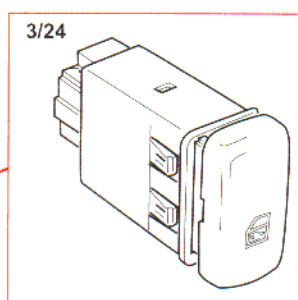
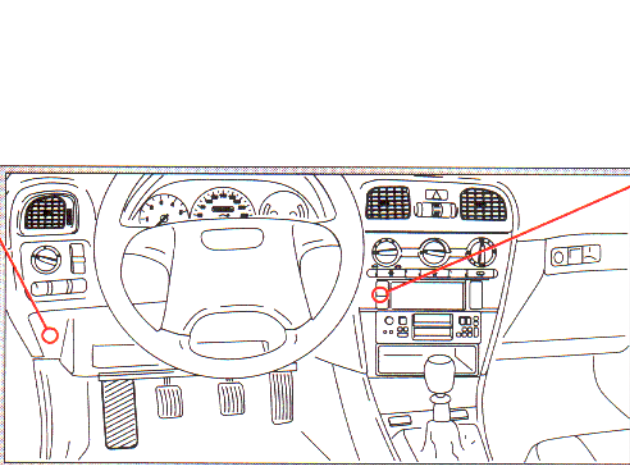
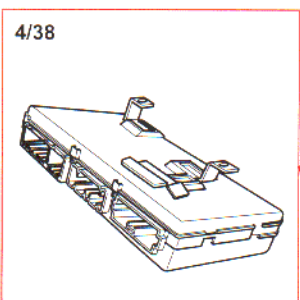
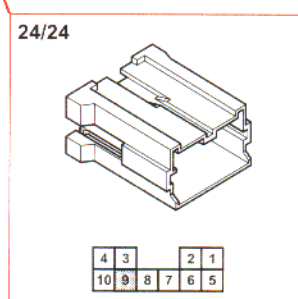
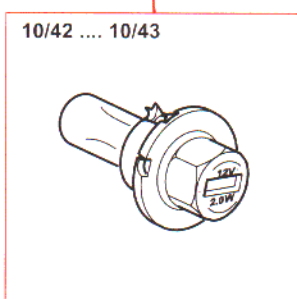
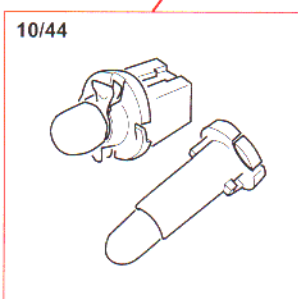
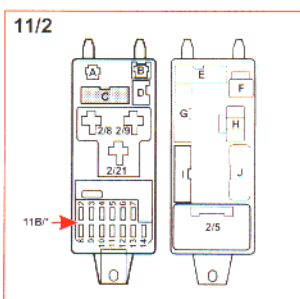
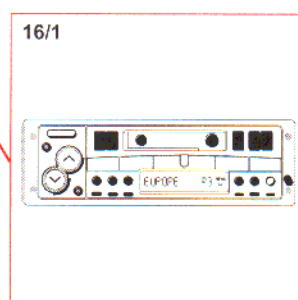
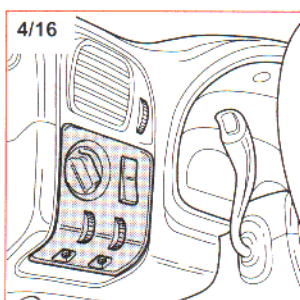
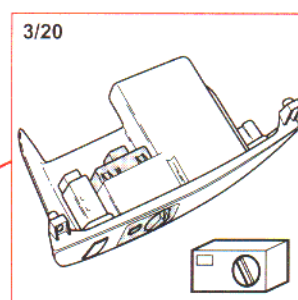
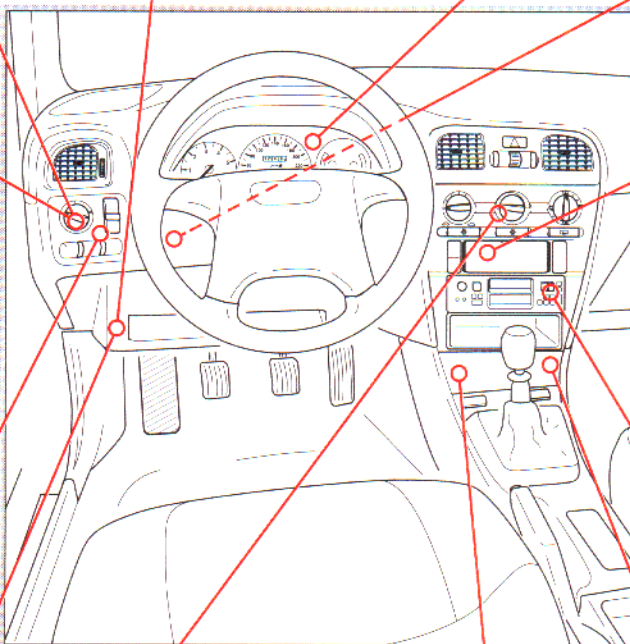
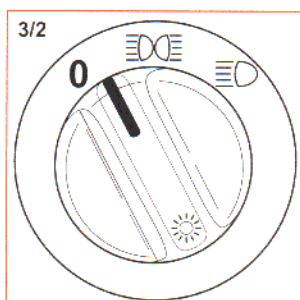
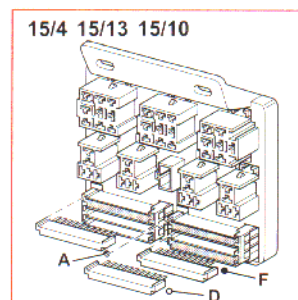
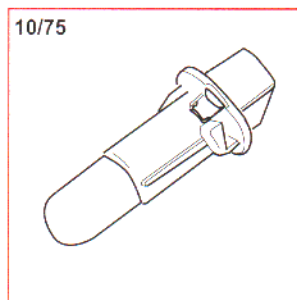
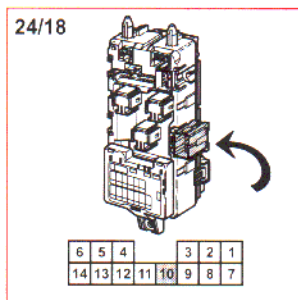
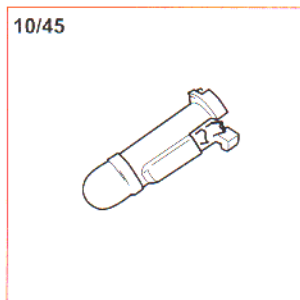
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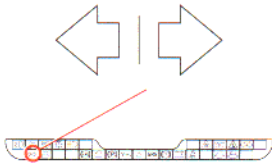
Cargo compartment and tailgate lighting



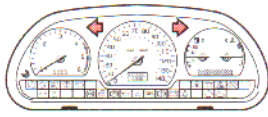


Turn signal lamps/hazard warning signal flashers

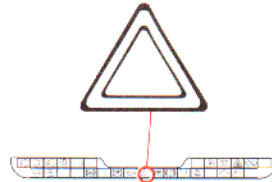
10/70



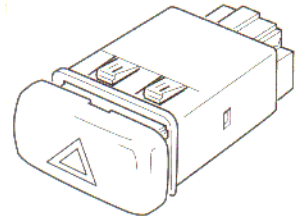
10/67 10/68



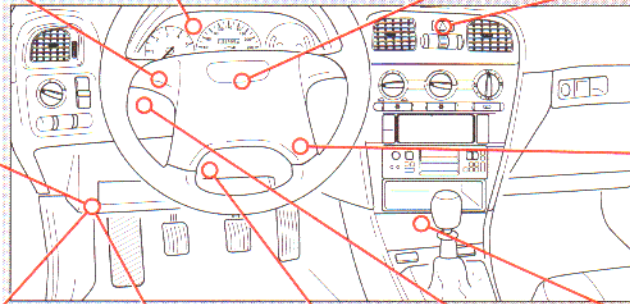
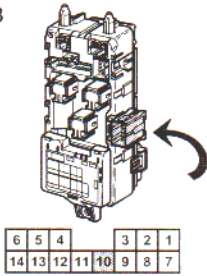
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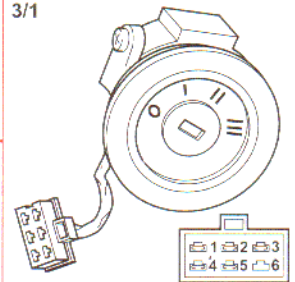
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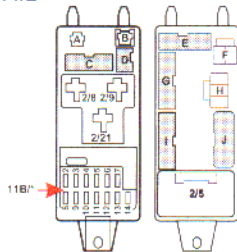
24/18



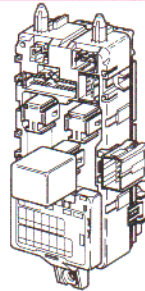
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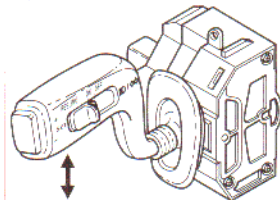
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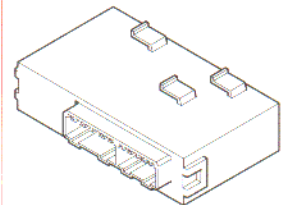
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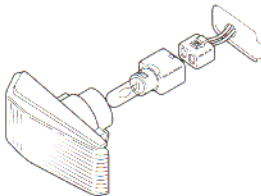
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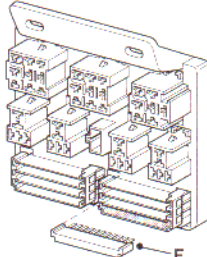
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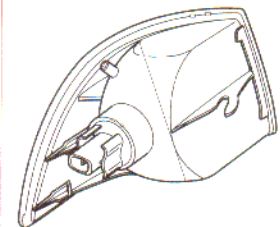
10/3 10/4



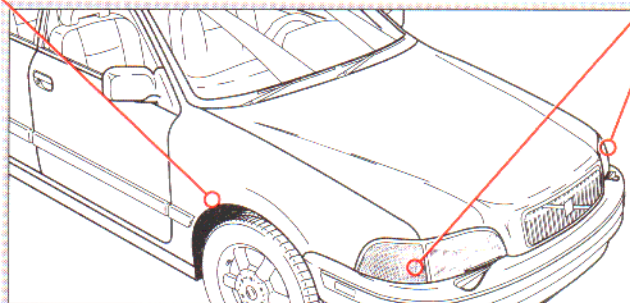
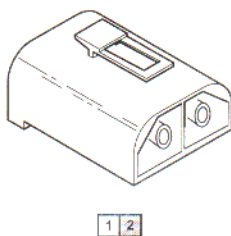
15/13



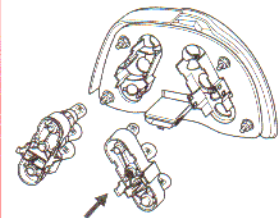
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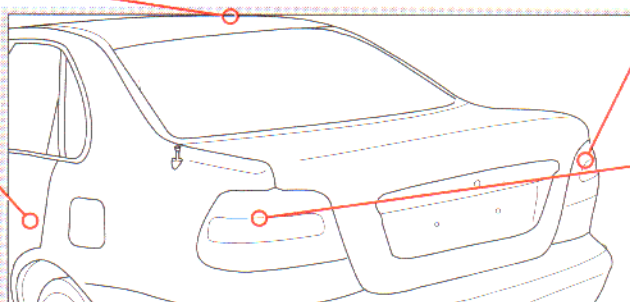
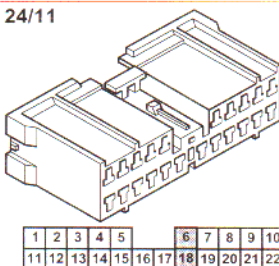
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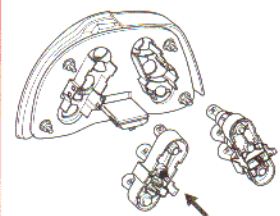
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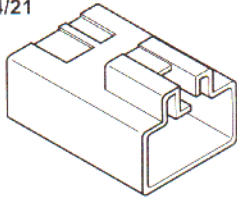


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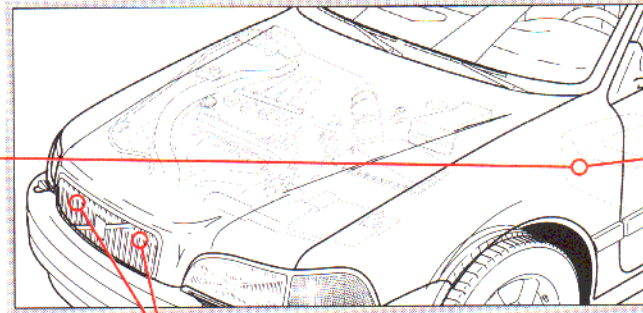


Cigarette lighter and horn

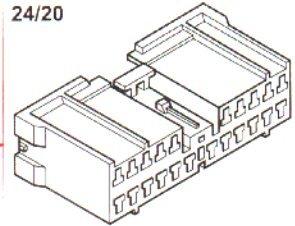
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3 2 1

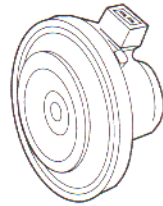


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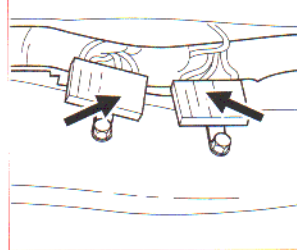


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11	12	13	14	15	16	17	18	19	20	21	22

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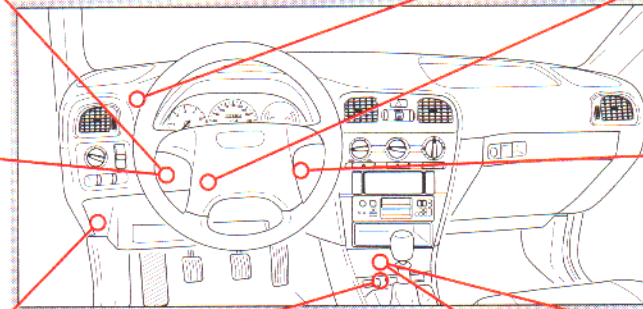
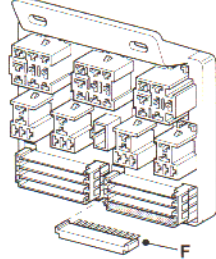
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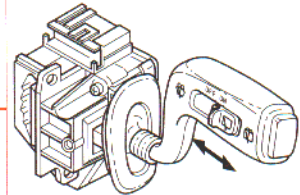
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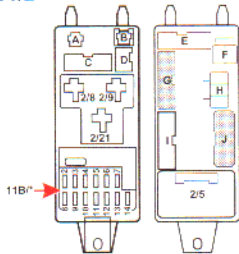
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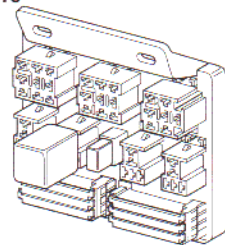
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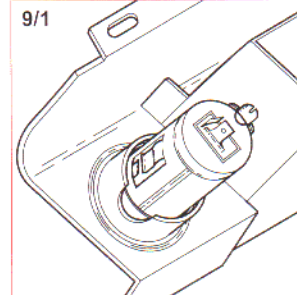
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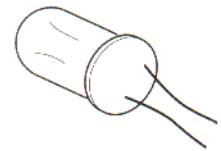
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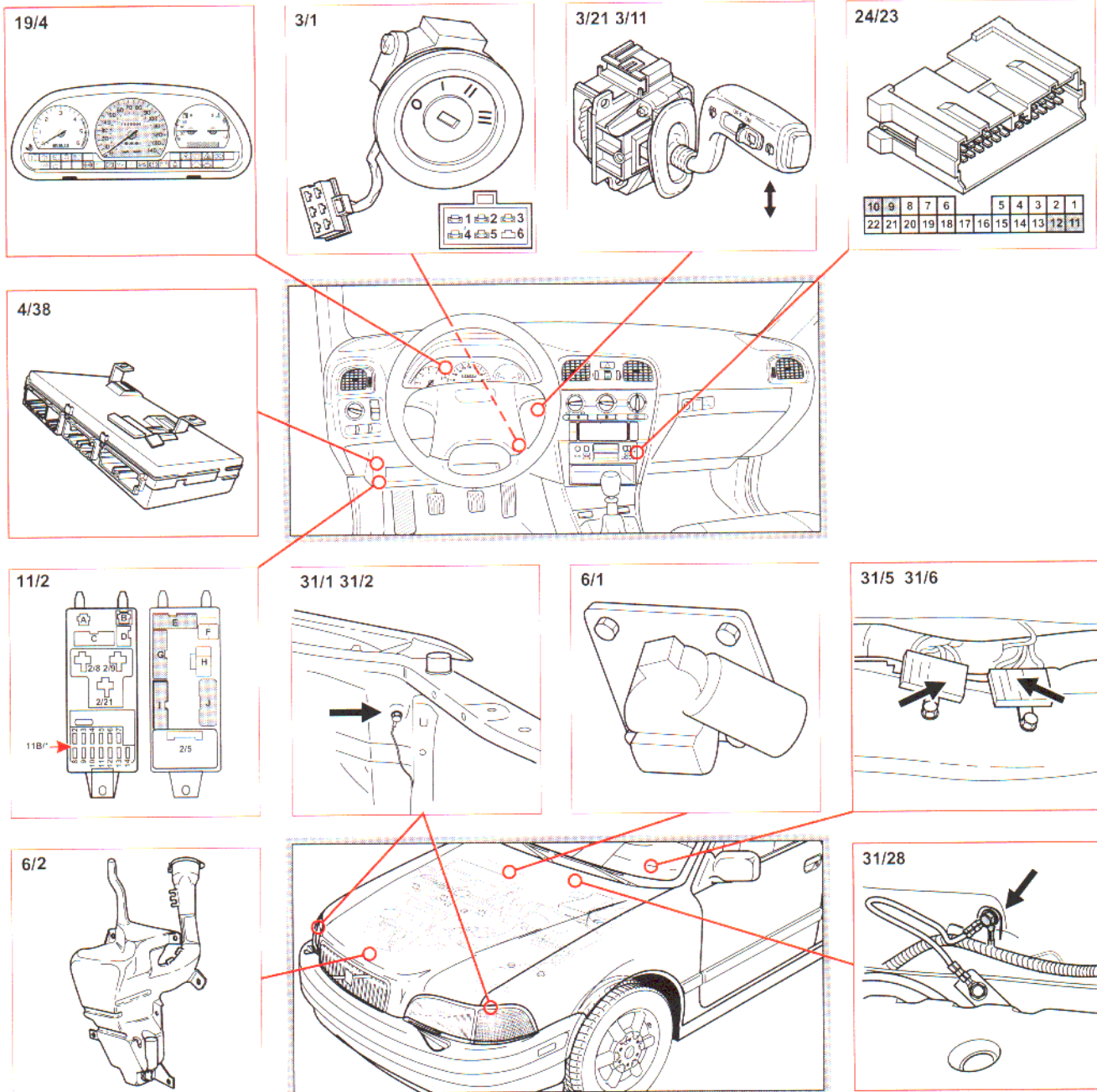
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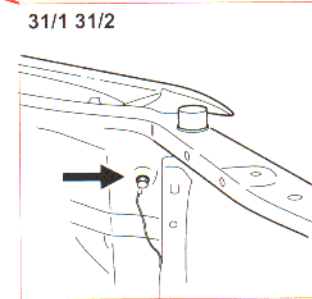
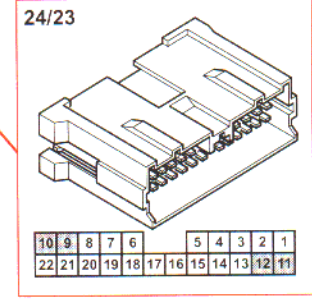
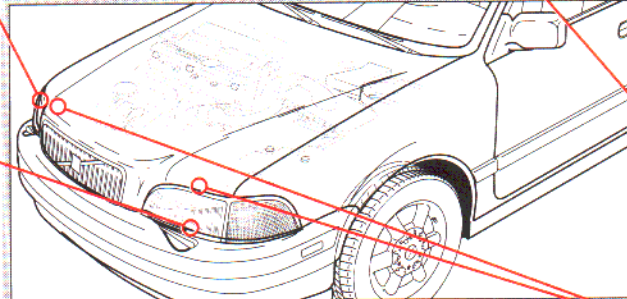
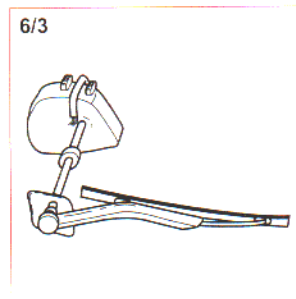
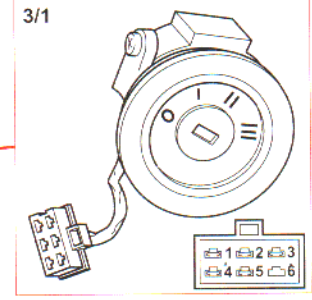
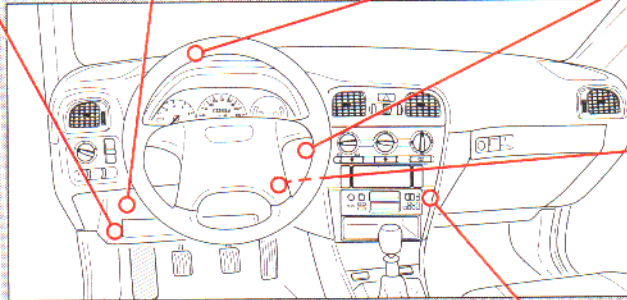
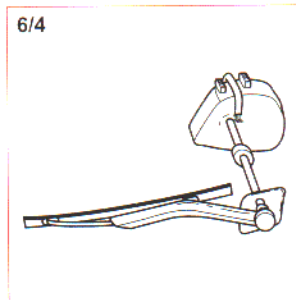
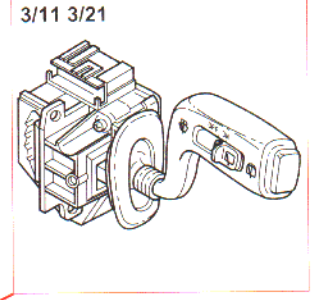
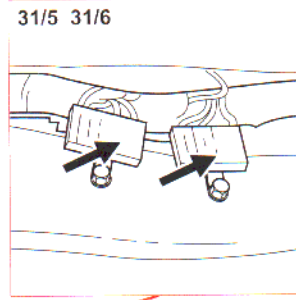
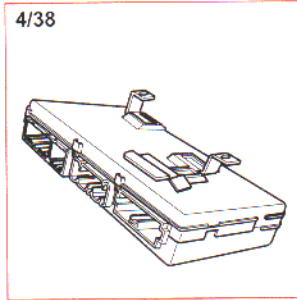
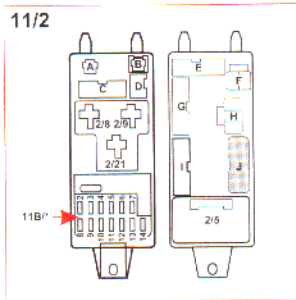
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Windshield wiper and windshield washer

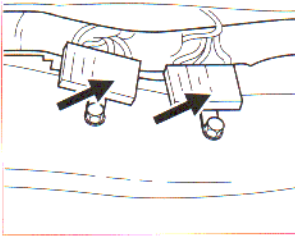


Headlamp wiper

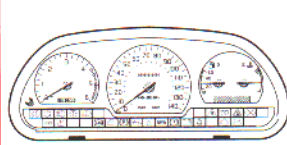


Tailgate wiper and washer, V40

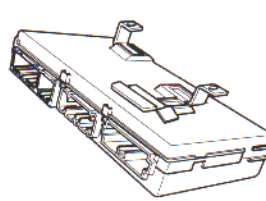
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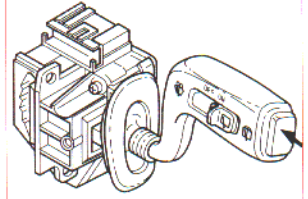
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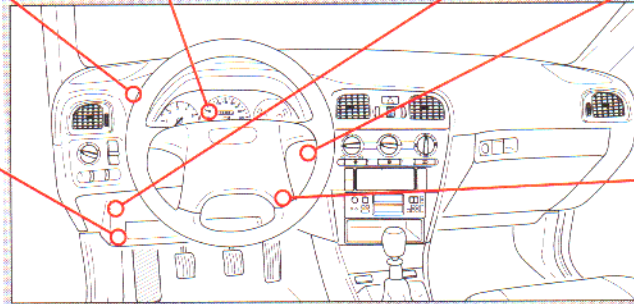
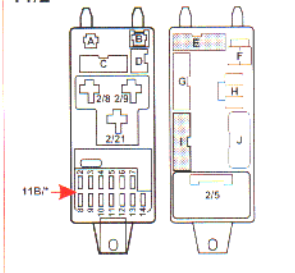
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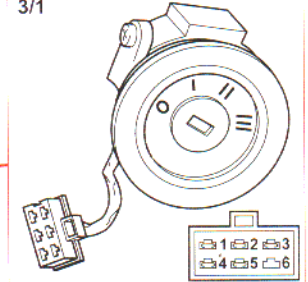
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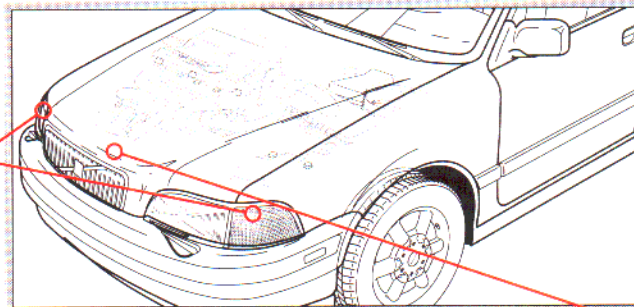
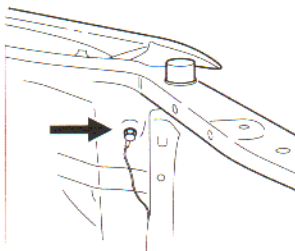
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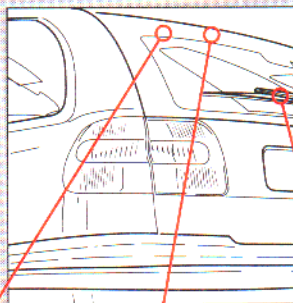
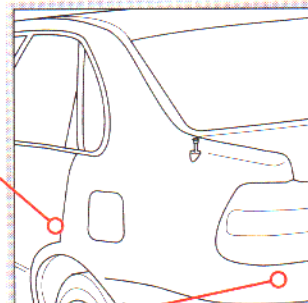
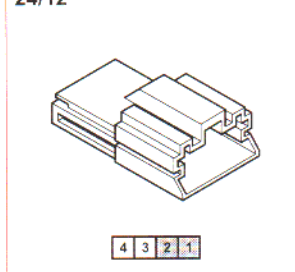
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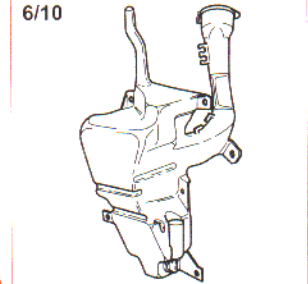
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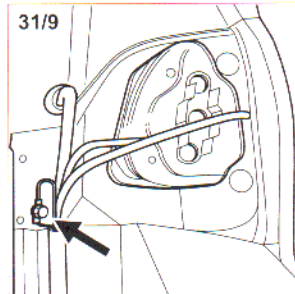
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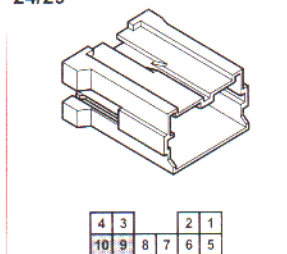
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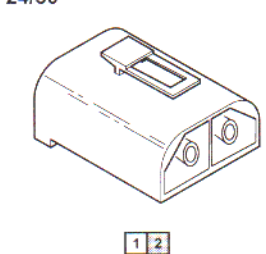
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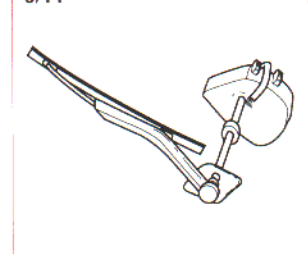
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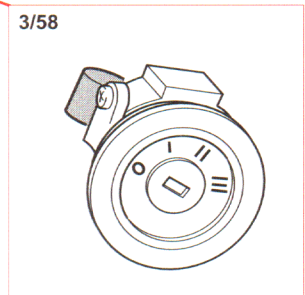
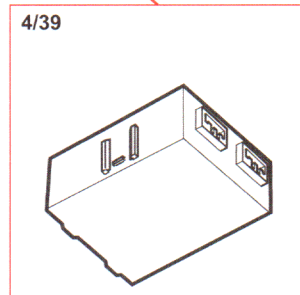
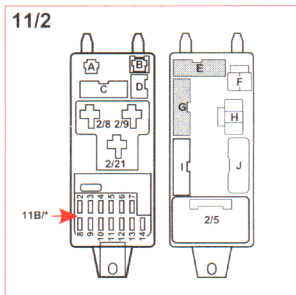
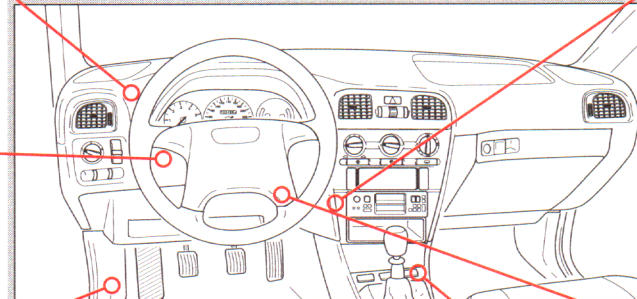
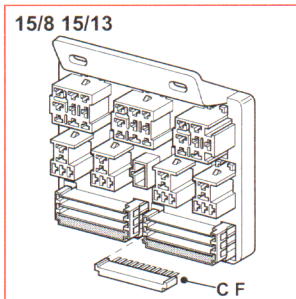
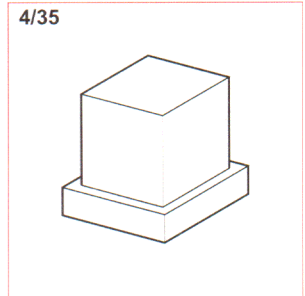
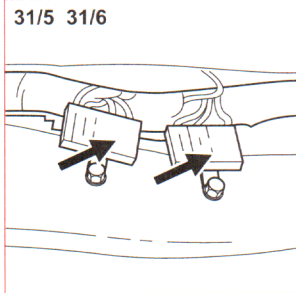
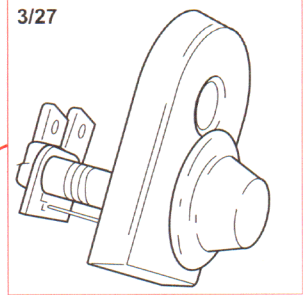
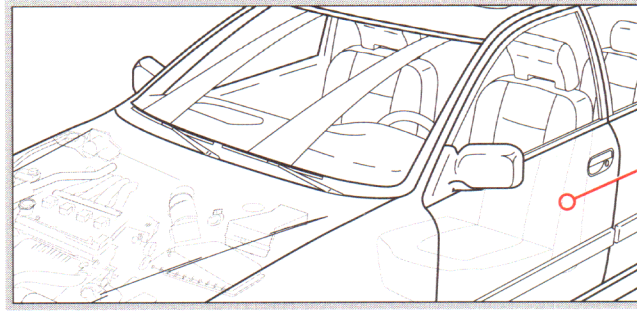


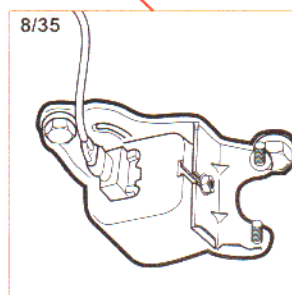
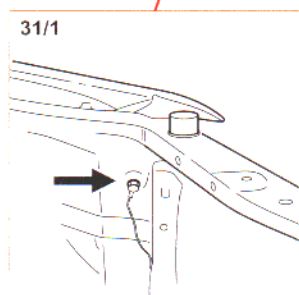
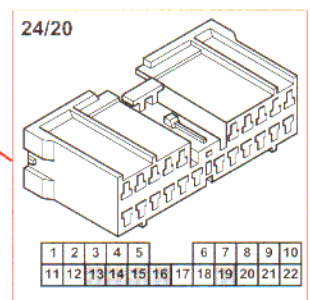
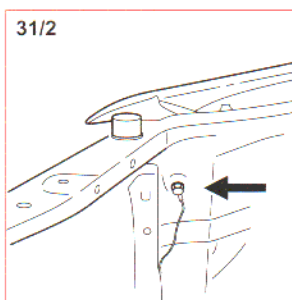
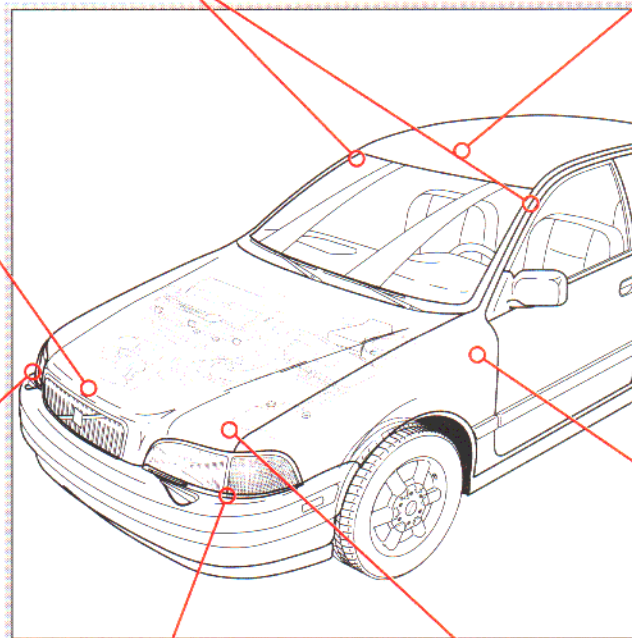
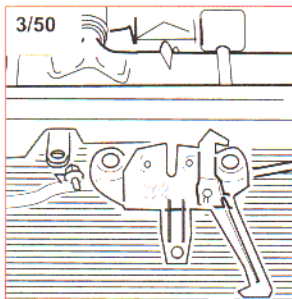
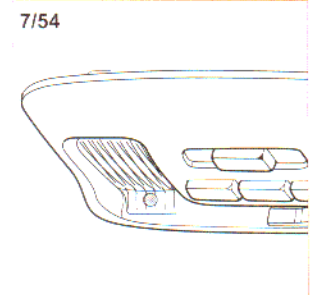
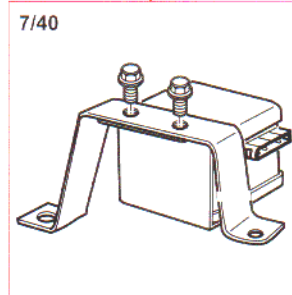
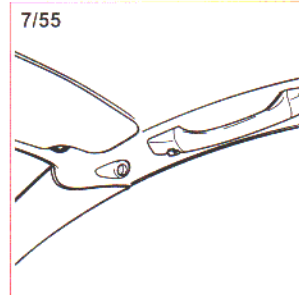
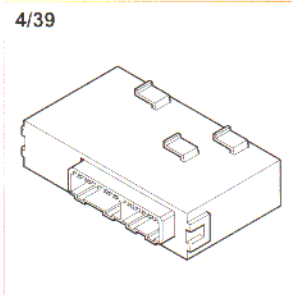
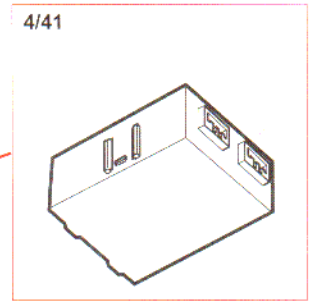
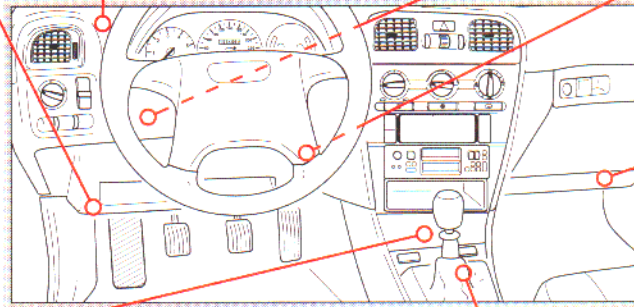
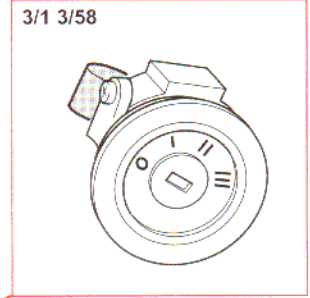
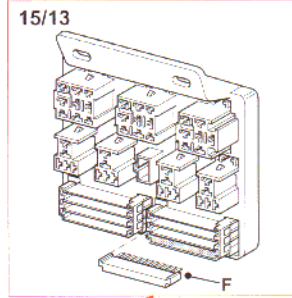
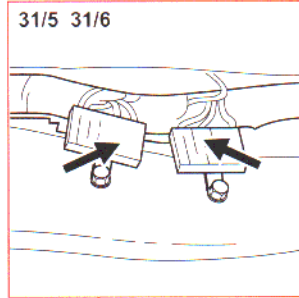
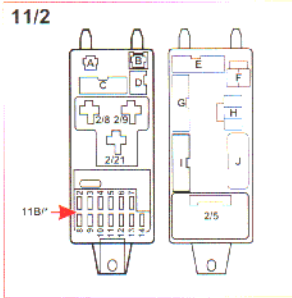
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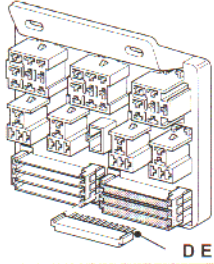
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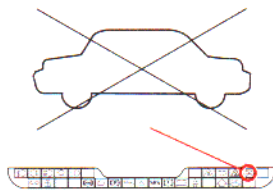




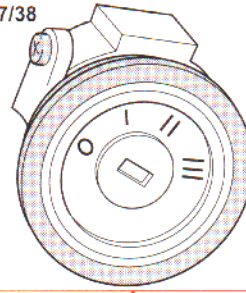
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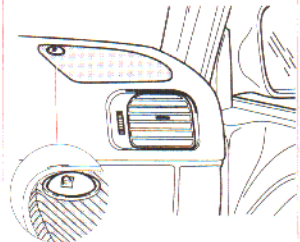
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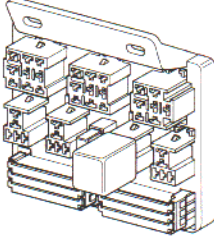
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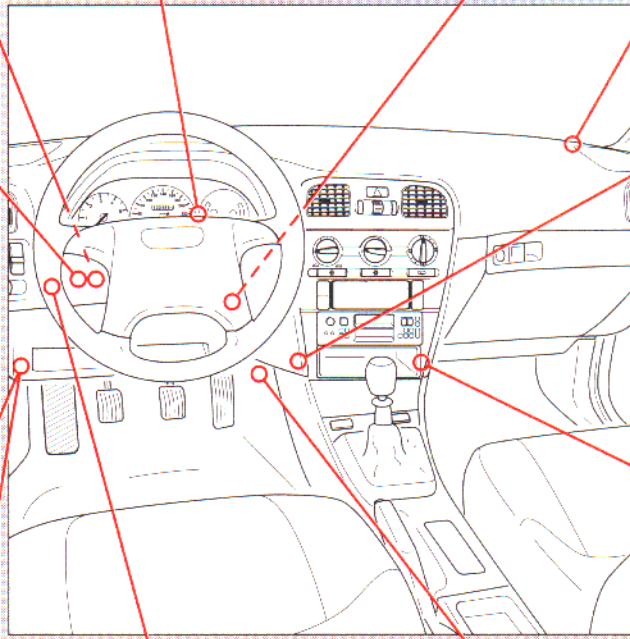
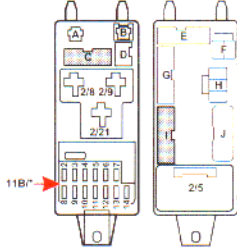
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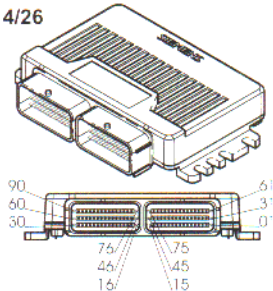
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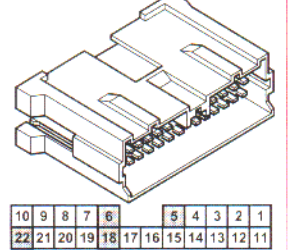
11/2



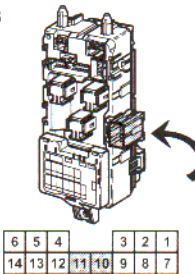
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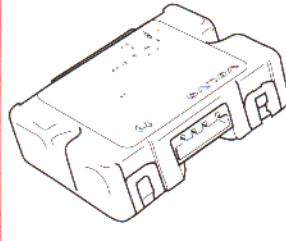
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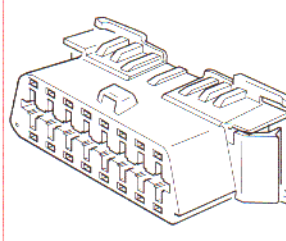
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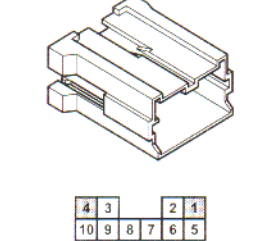
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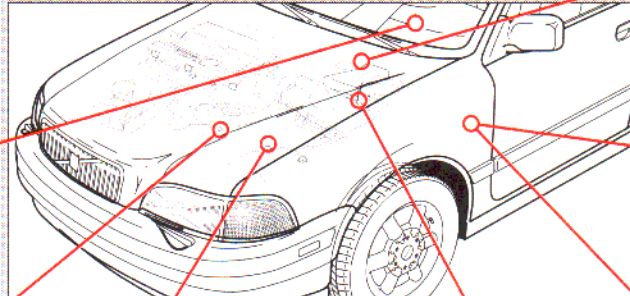
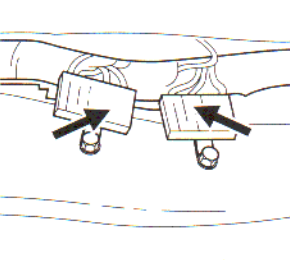
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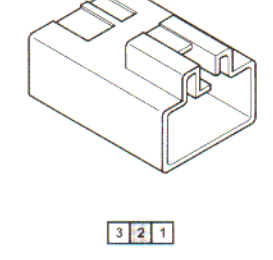
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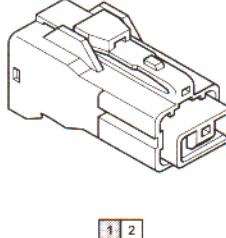
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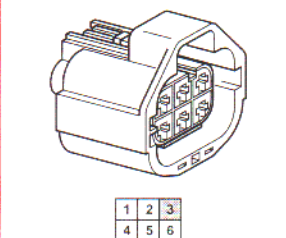
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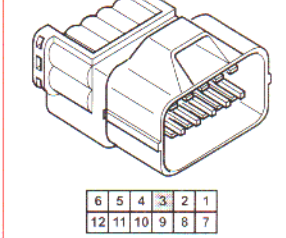
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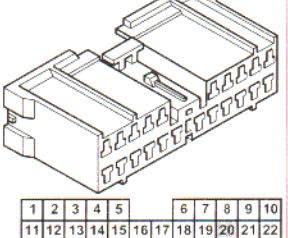
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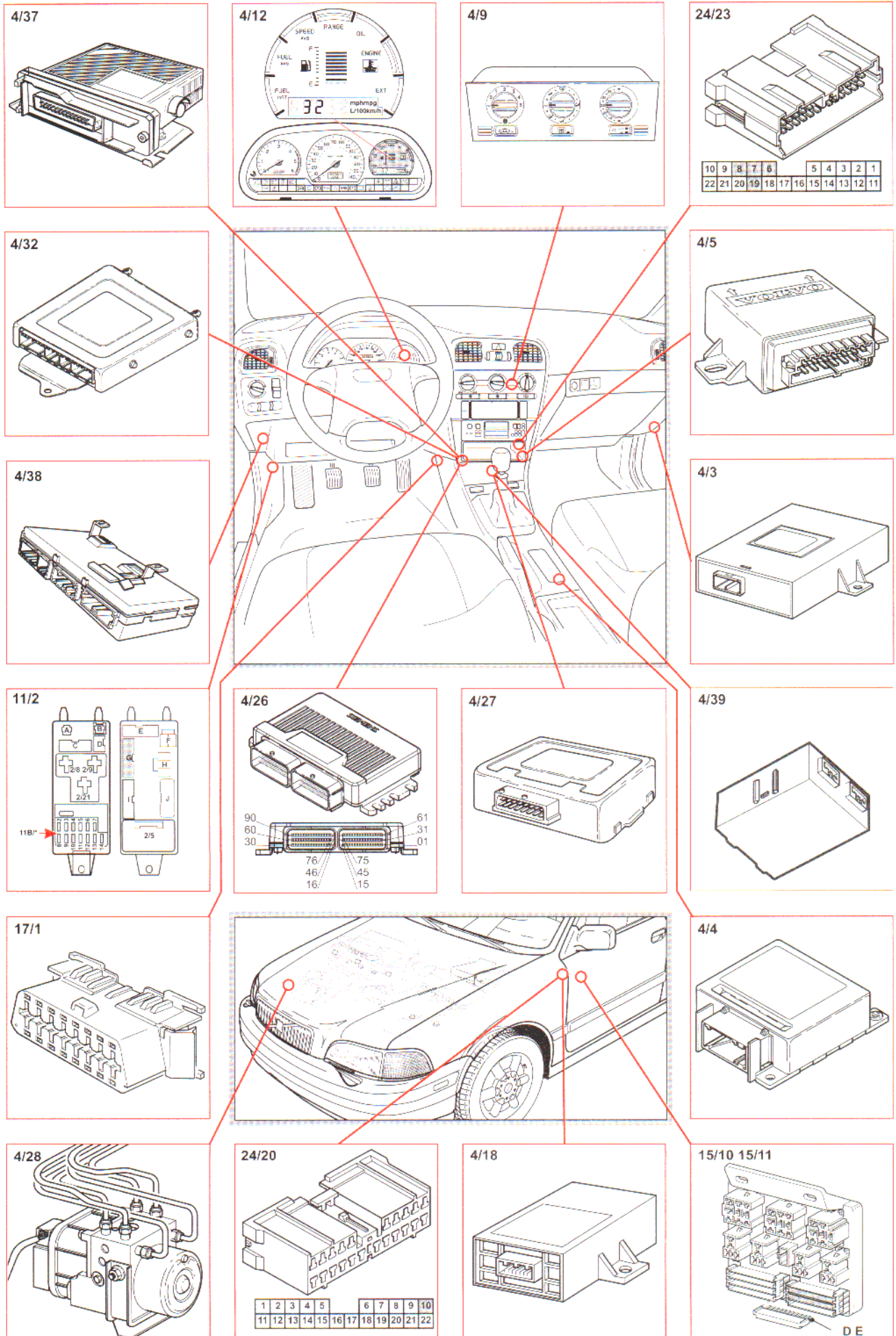
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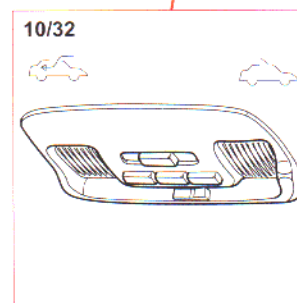
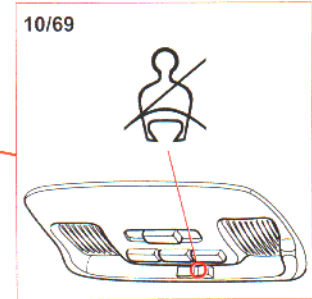
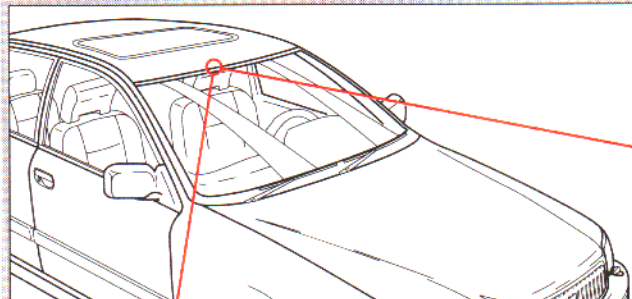
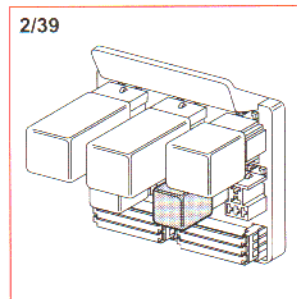
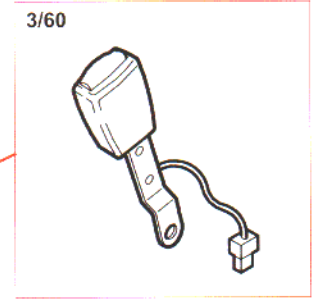
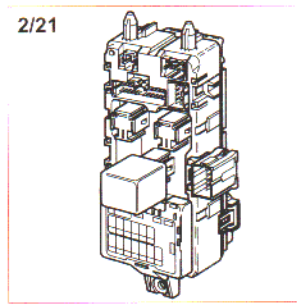
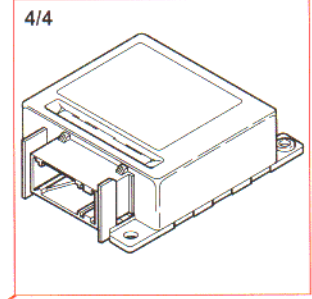
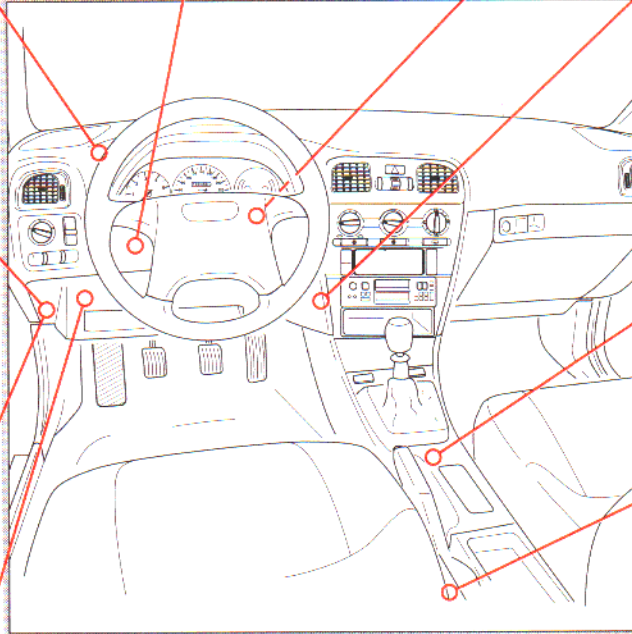
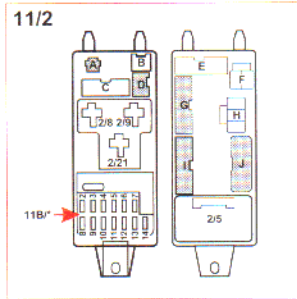
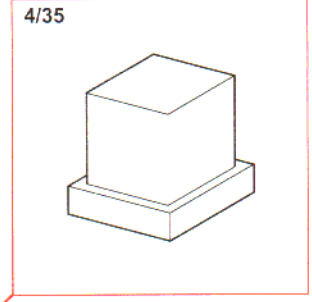
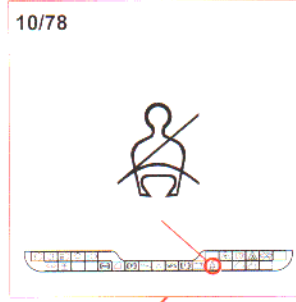
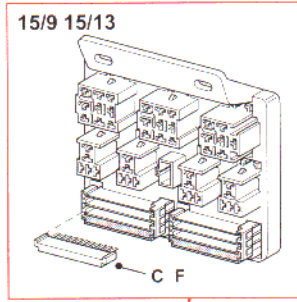
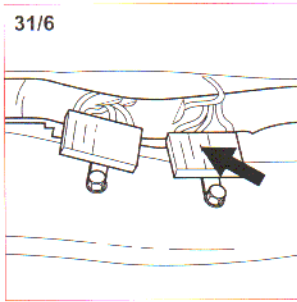
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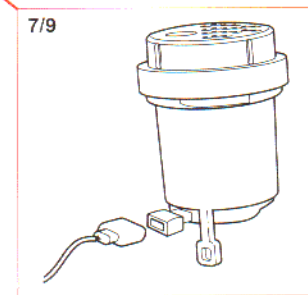
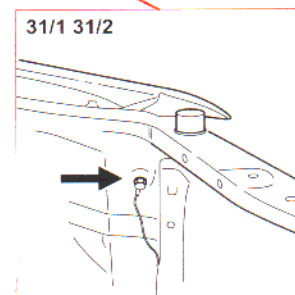
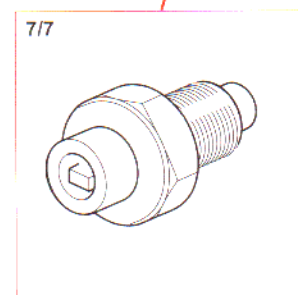
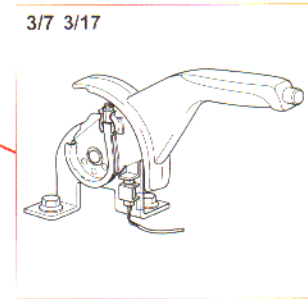
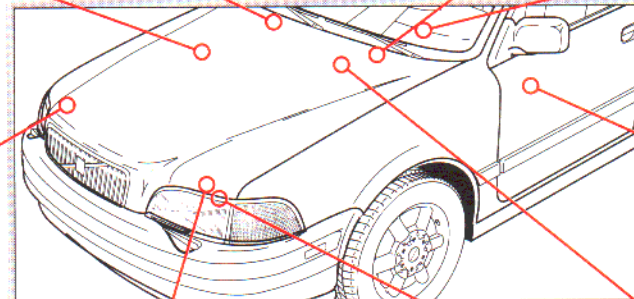
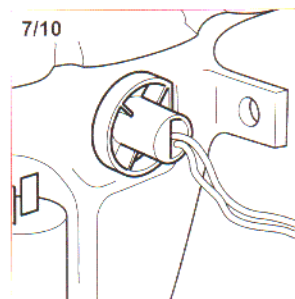
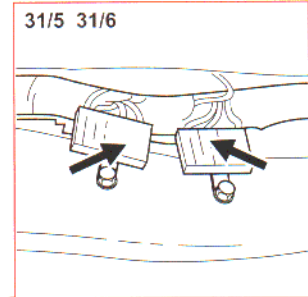
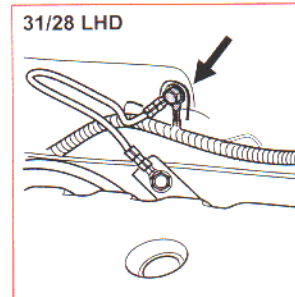
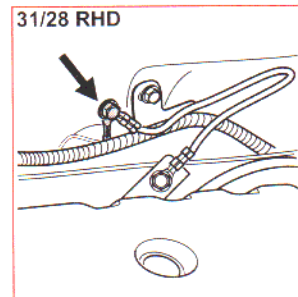
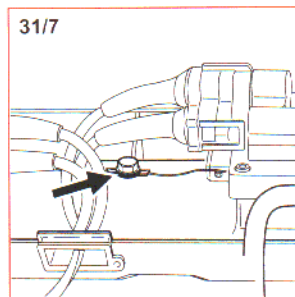
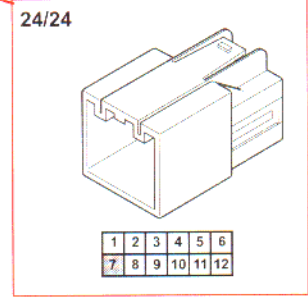
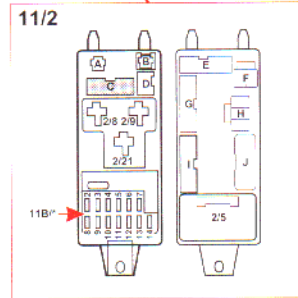
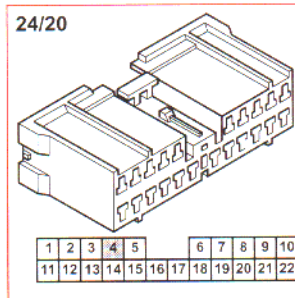
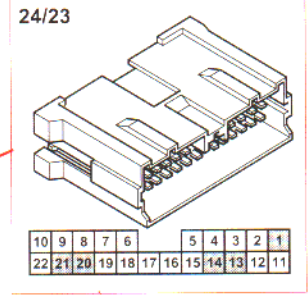
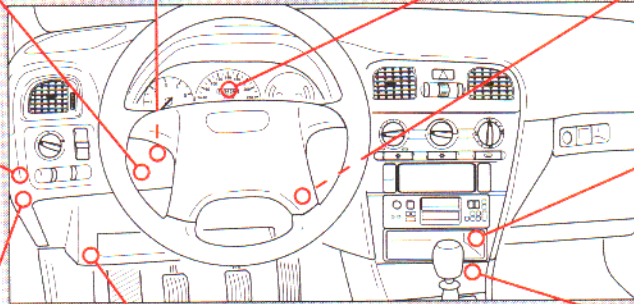
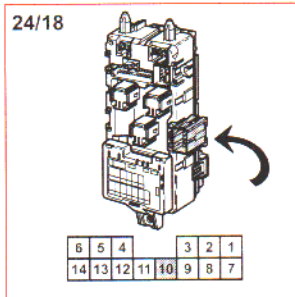
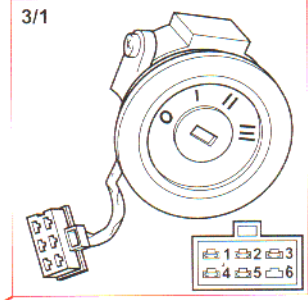
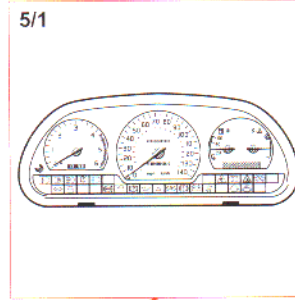
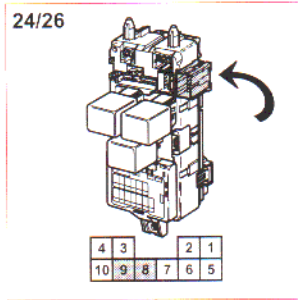
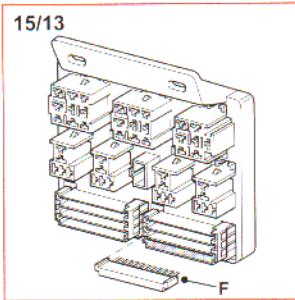


On-board diagnostic (OBD) system

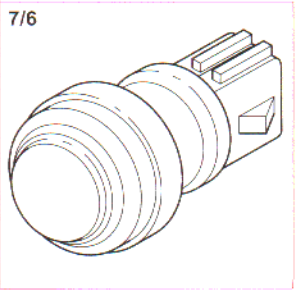
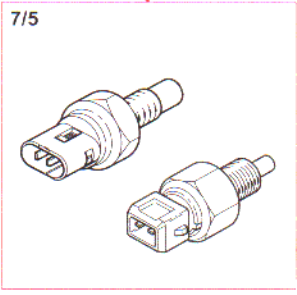
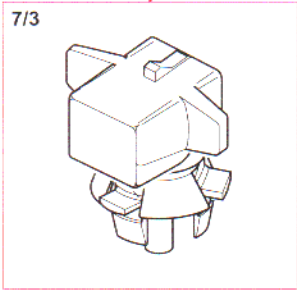
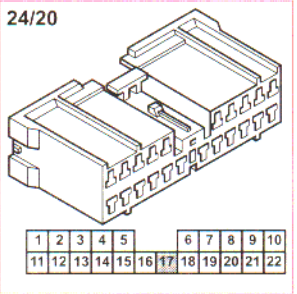
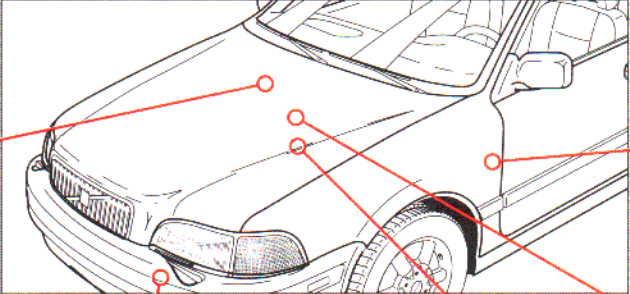
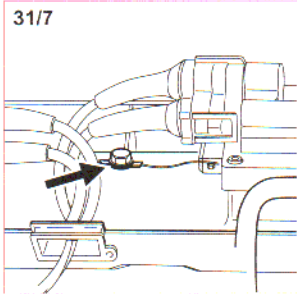
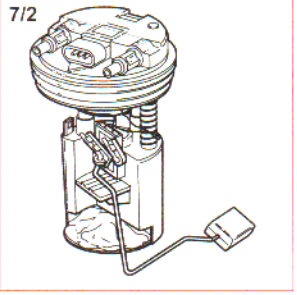
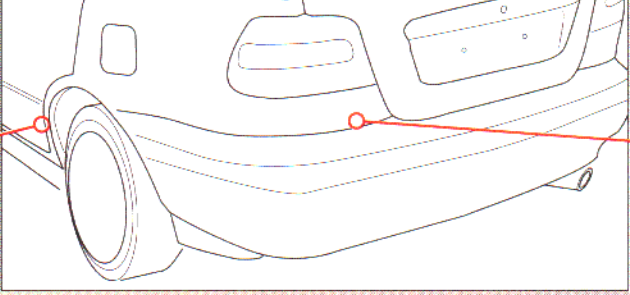
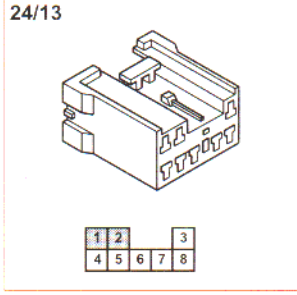
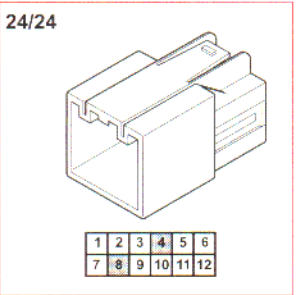
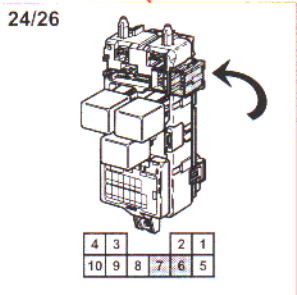
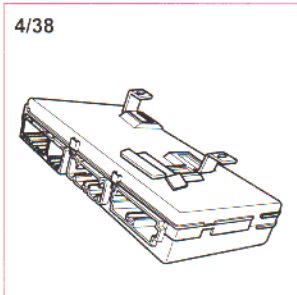
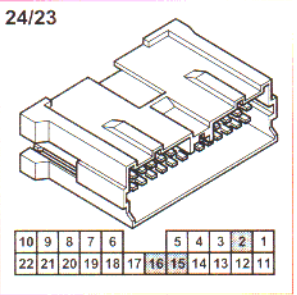
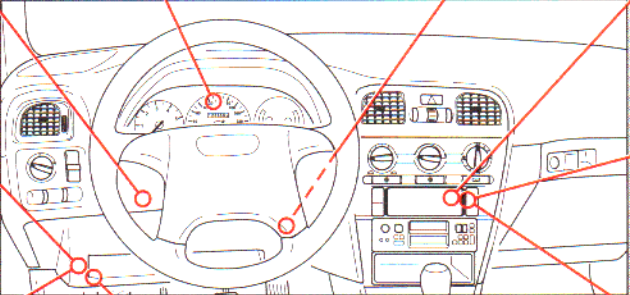
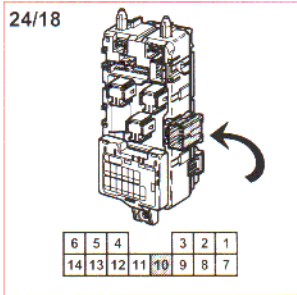
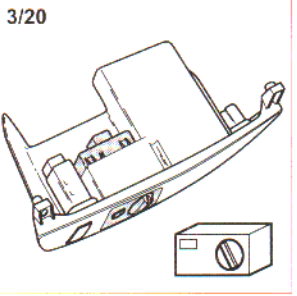
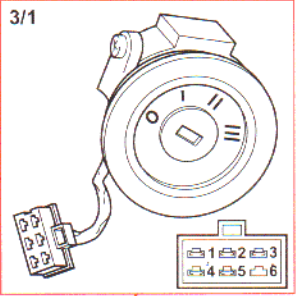
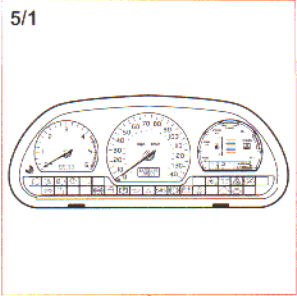
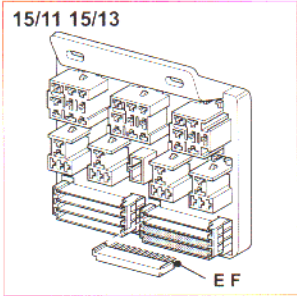


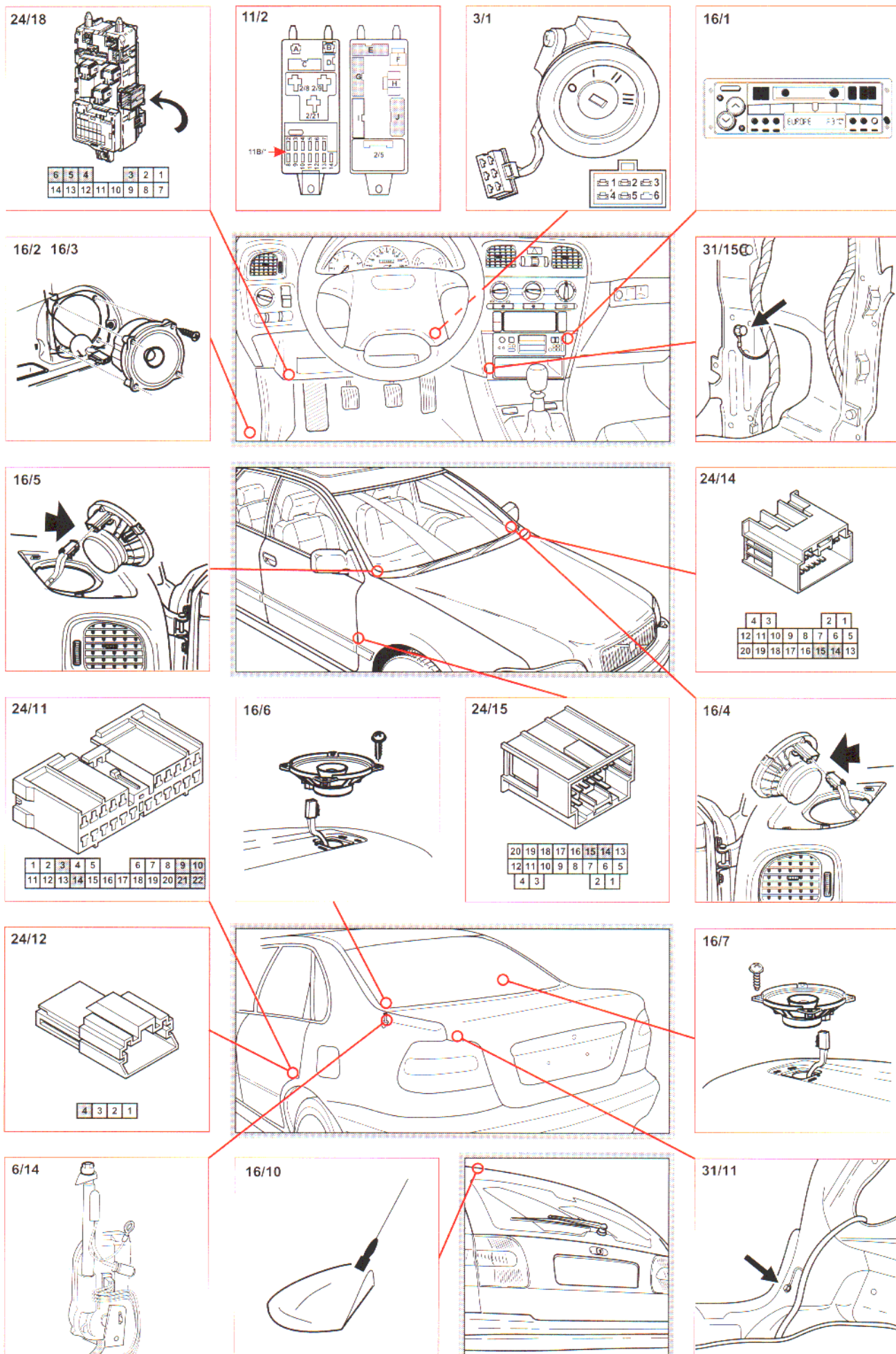
Seat belt reminder



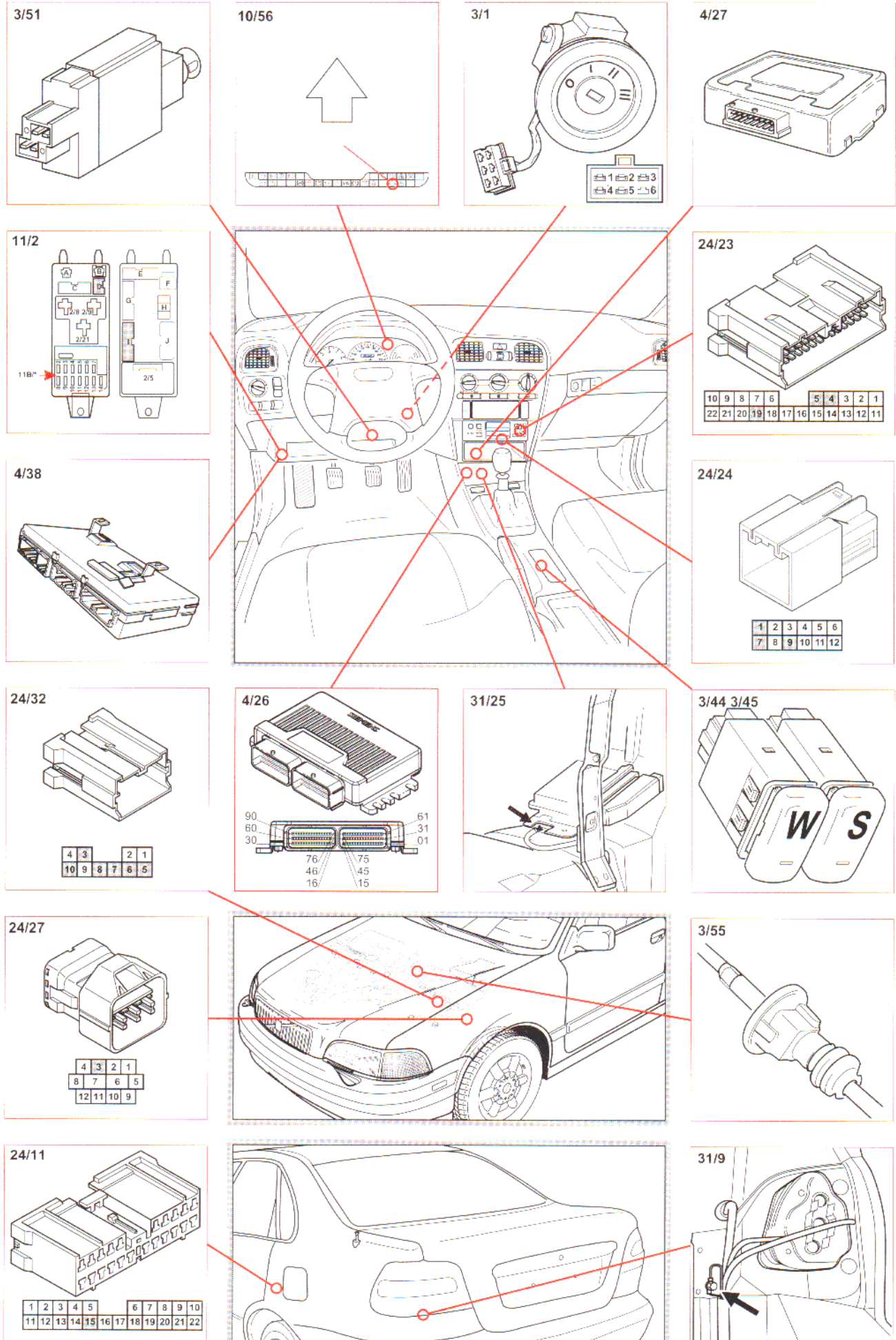


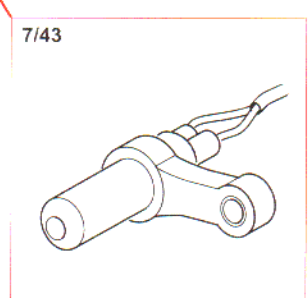
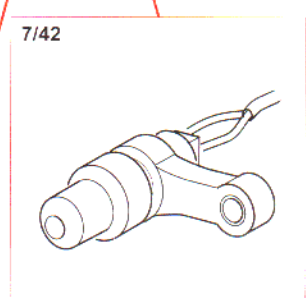
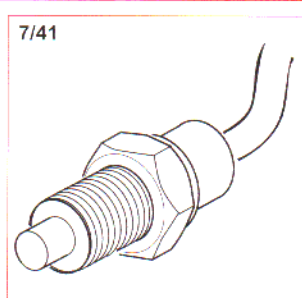
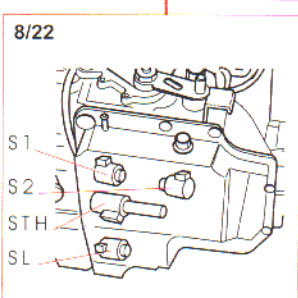
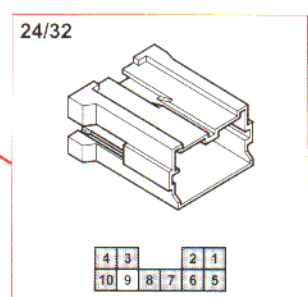
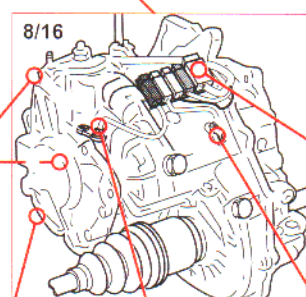
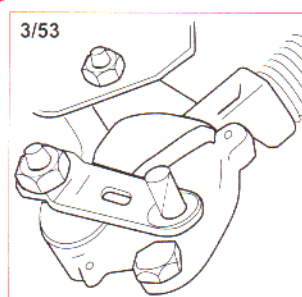
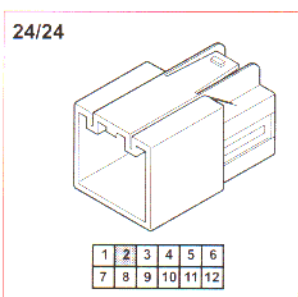
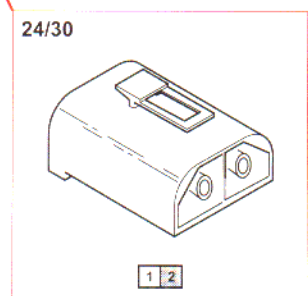
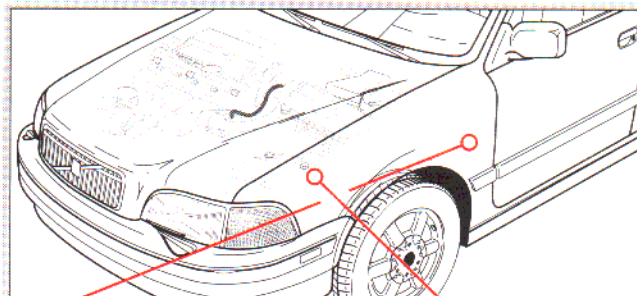
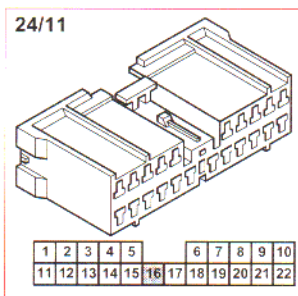
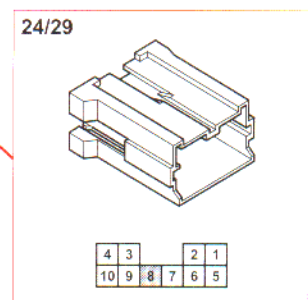
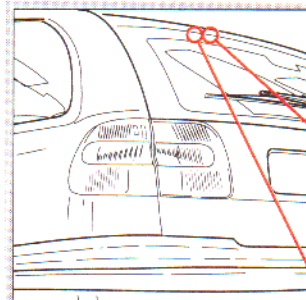
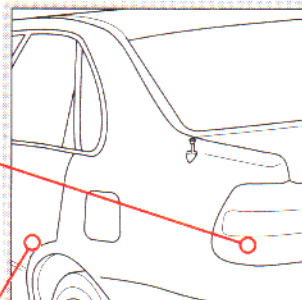
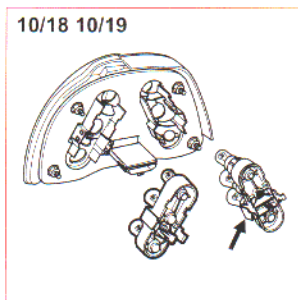
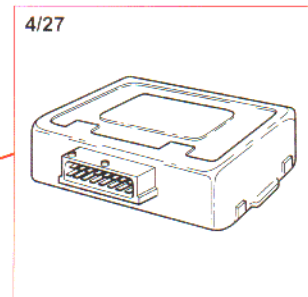
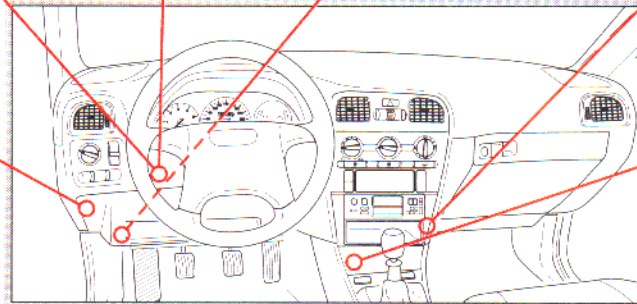
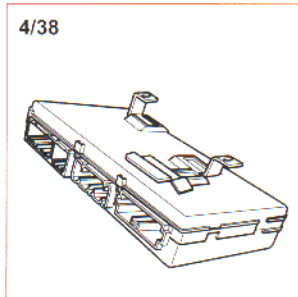
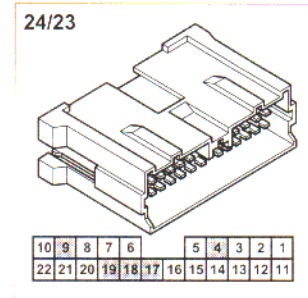
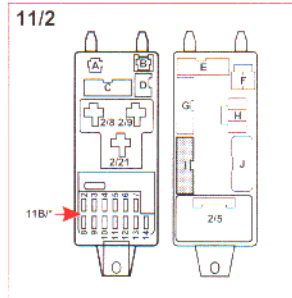
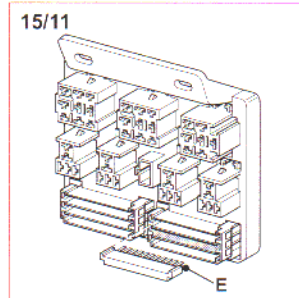
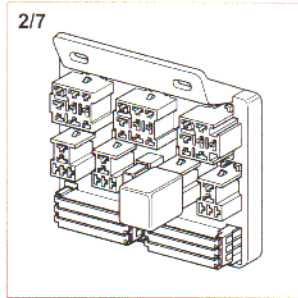
Combined instrument panel



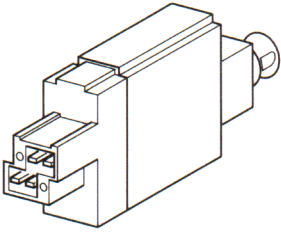


Control module for automatic transmission

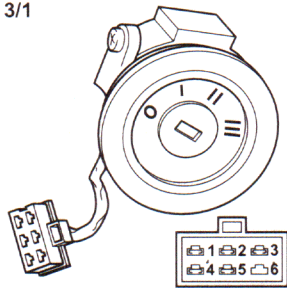




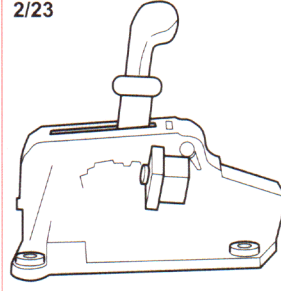
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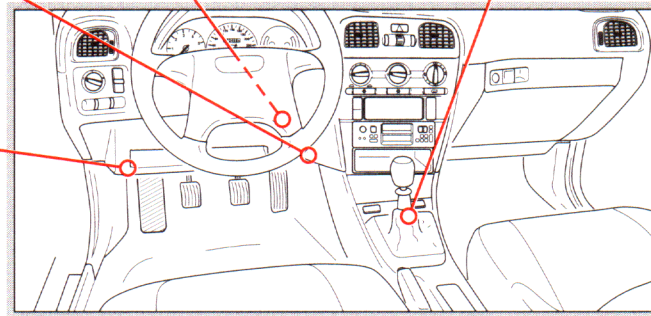
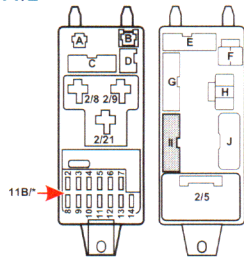
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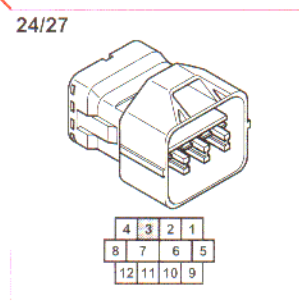
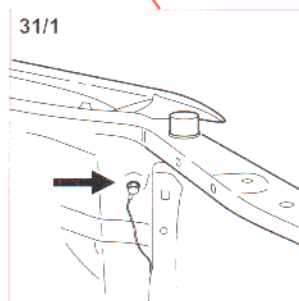
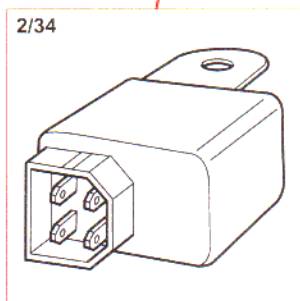
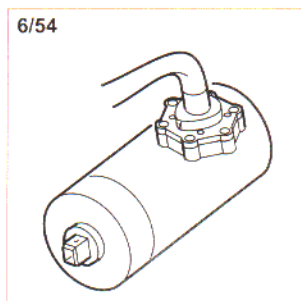
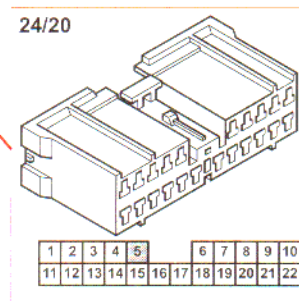
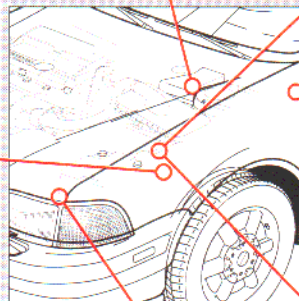
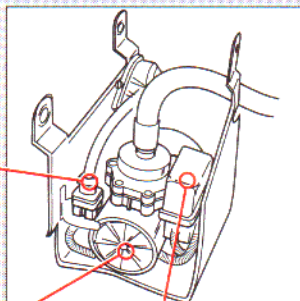
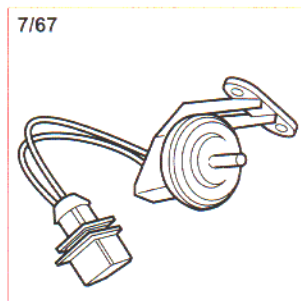
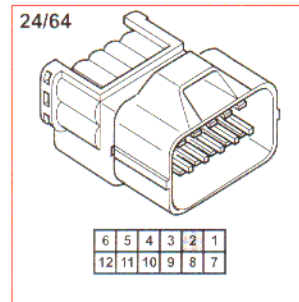
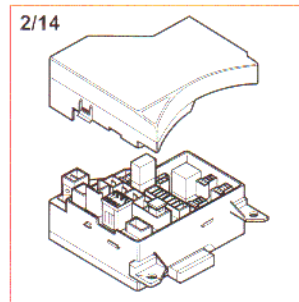
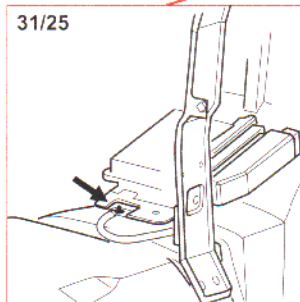
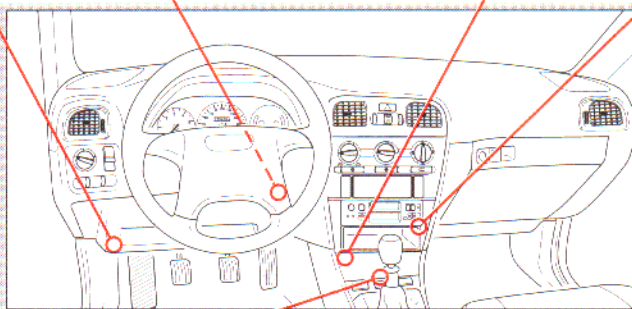
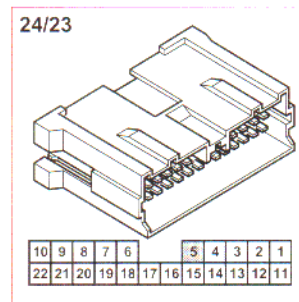
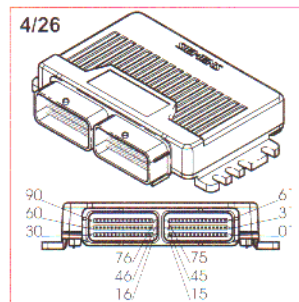
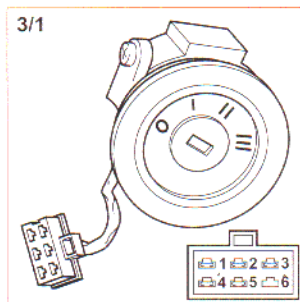
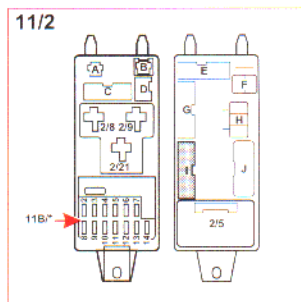
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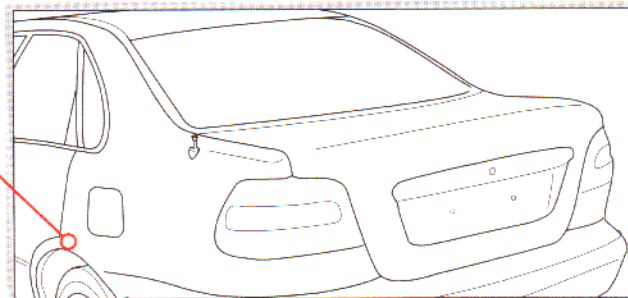
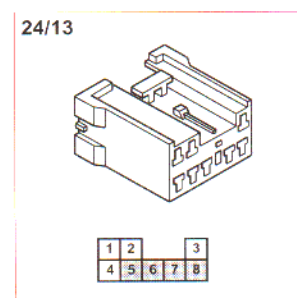
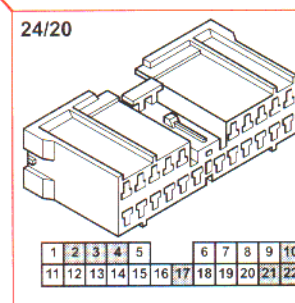
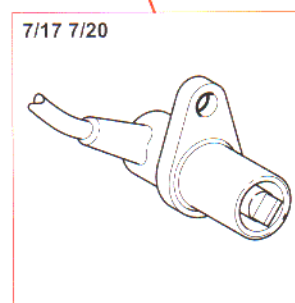
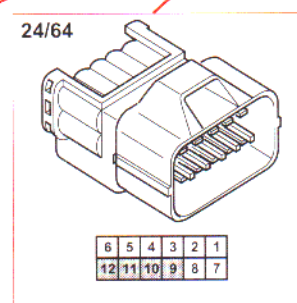
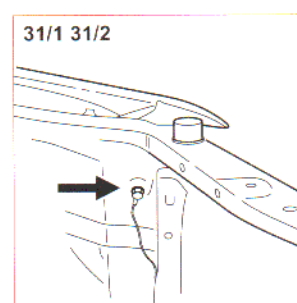
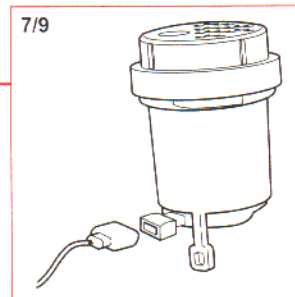
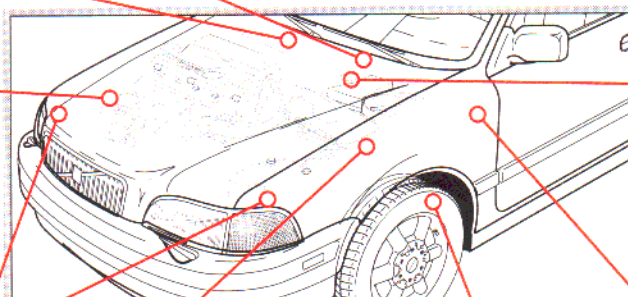
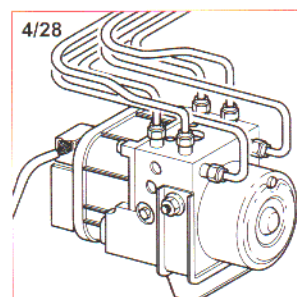
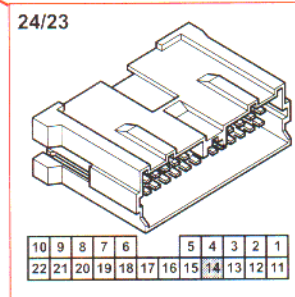
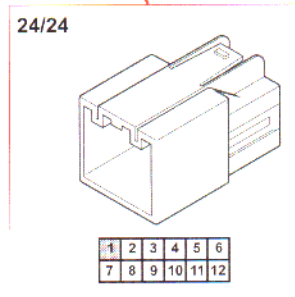
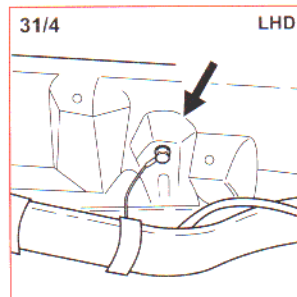
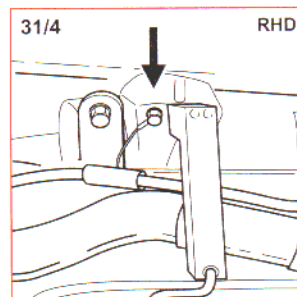
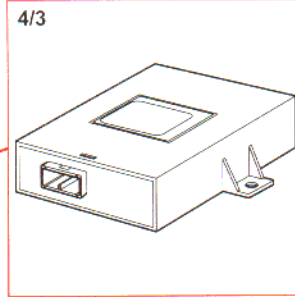
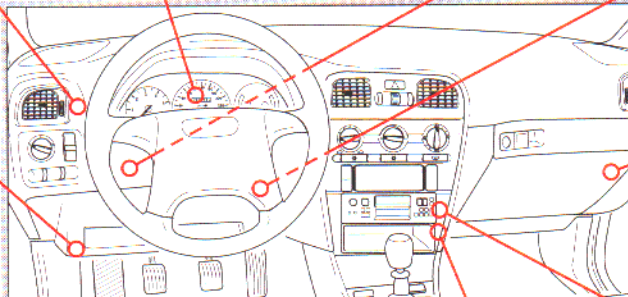
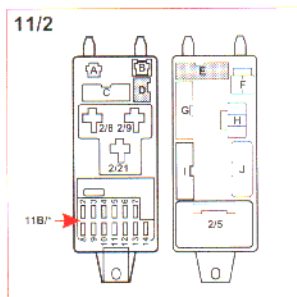
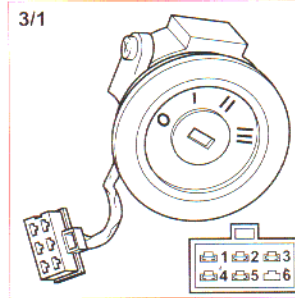
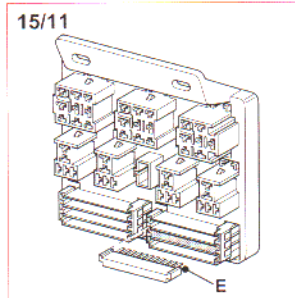
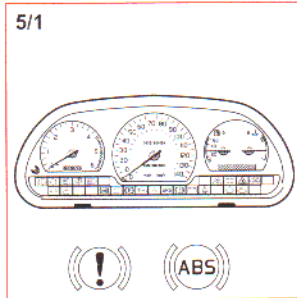
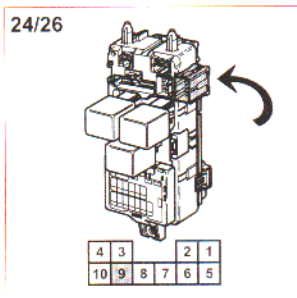


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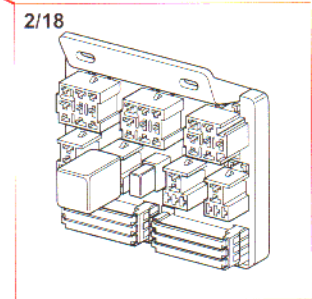
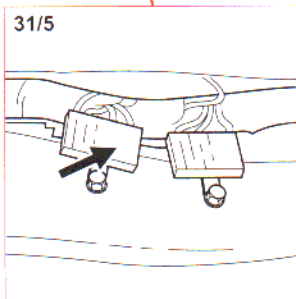
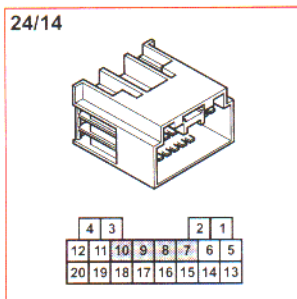
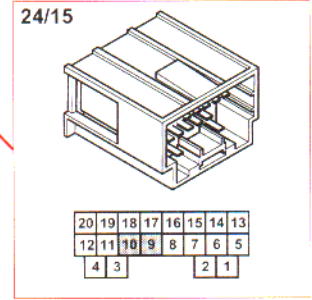
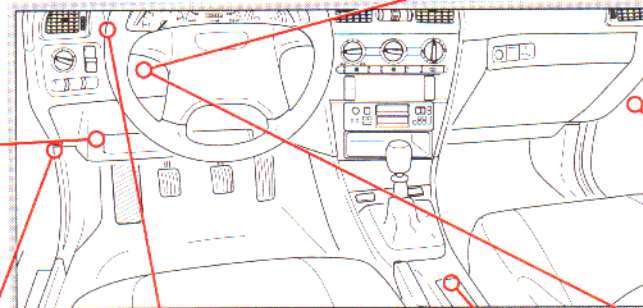
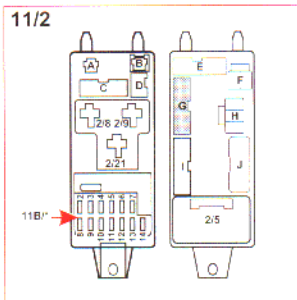
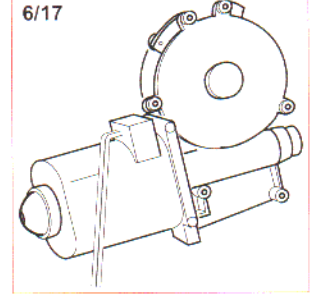
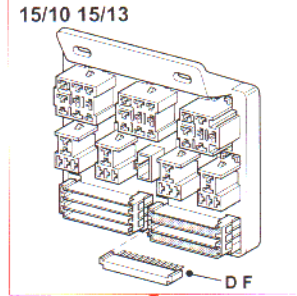
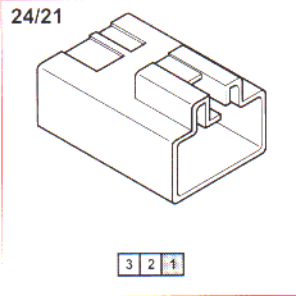
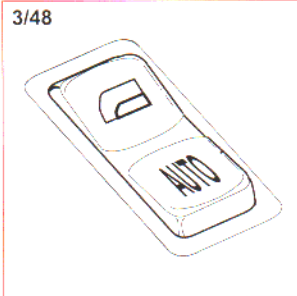
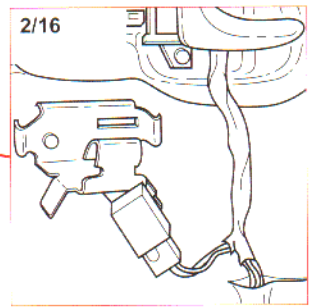
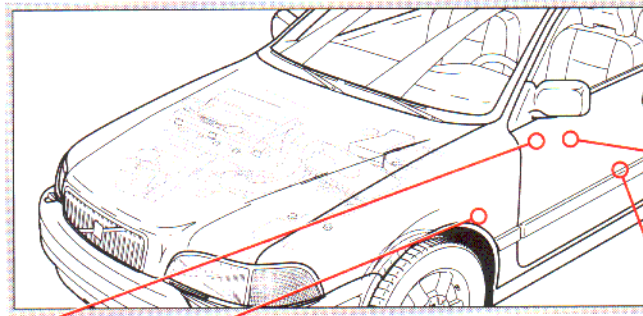


Vacuum pump EMS 2000 (Turbo)

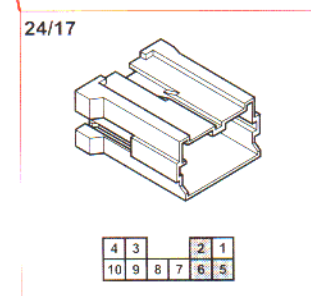
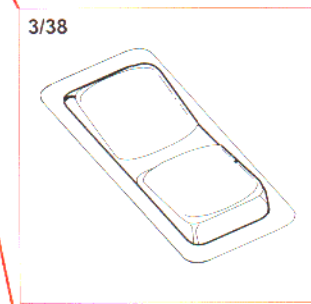
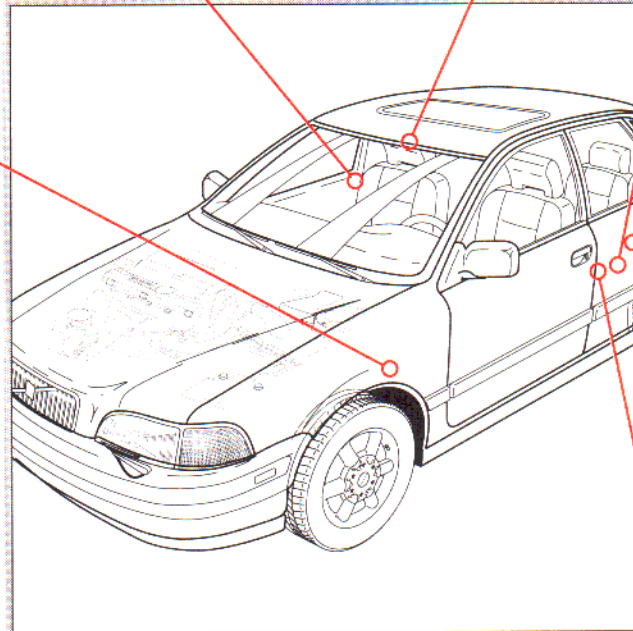
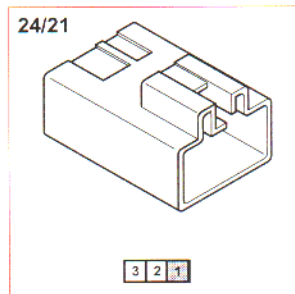
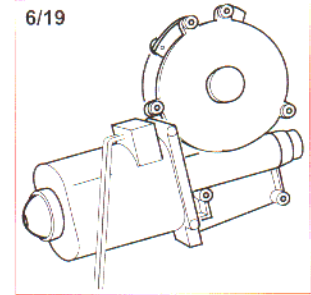
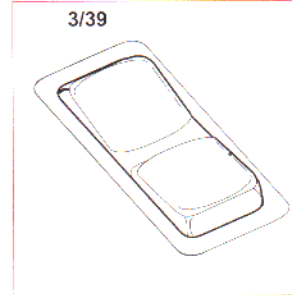
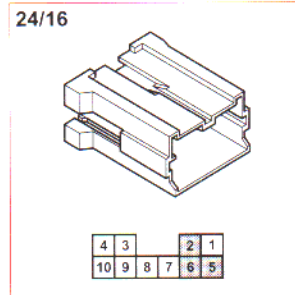
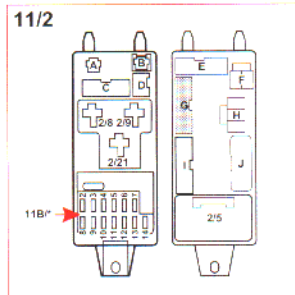
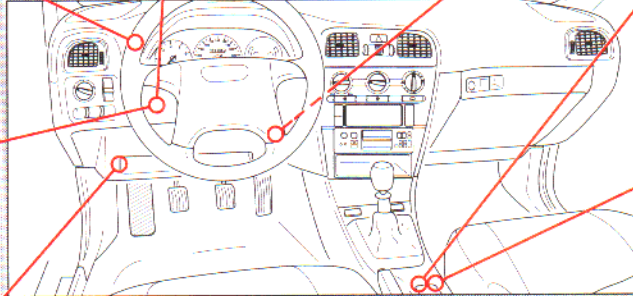
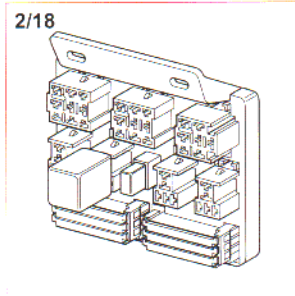
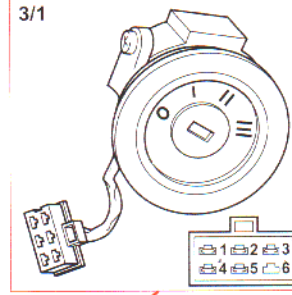
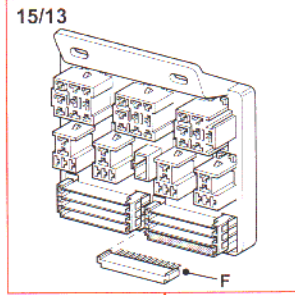
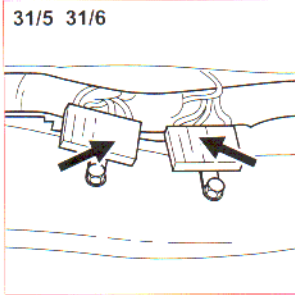




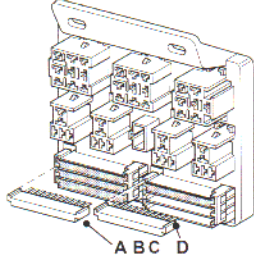
Power windows front



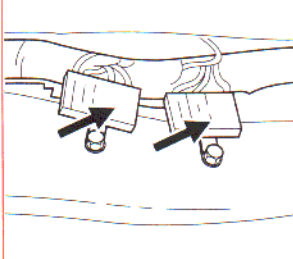
Power windows rear



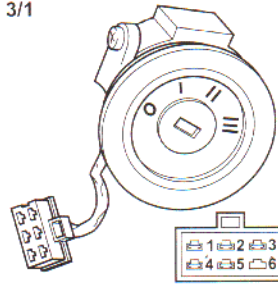
15/5 15/6 15/8 15/10



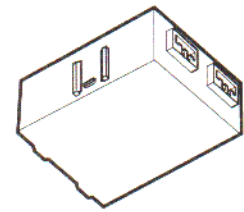
31/6



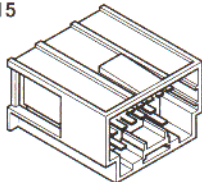
3/1



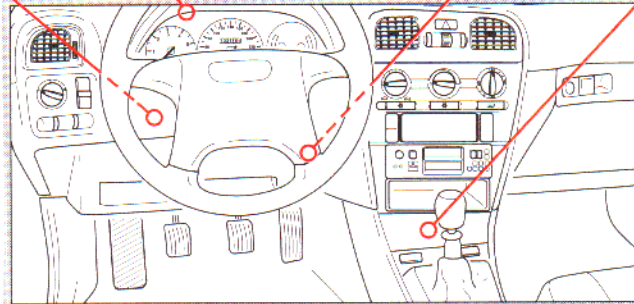
4/39



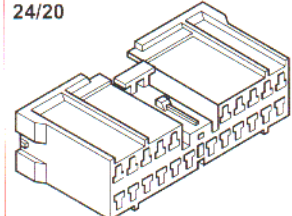
24/15



20	19	18	17	16	15	14	13
12	11	10	9	8	7	6	5
4	3					2	1

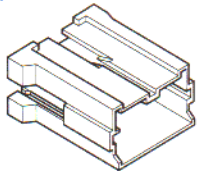


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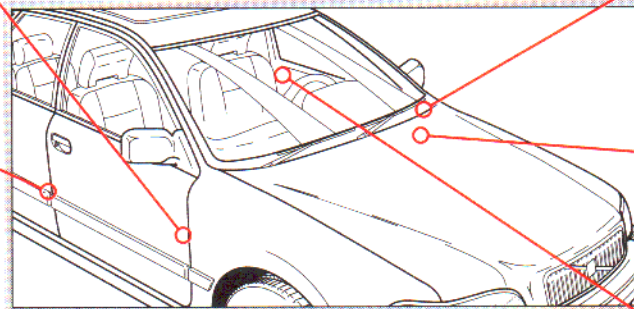


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21	22								

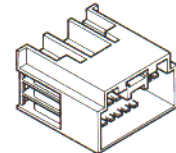
24/17



4	3					2	1
10	9	8	7	6	5		

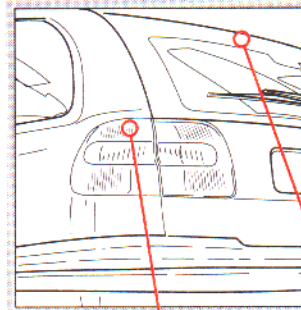
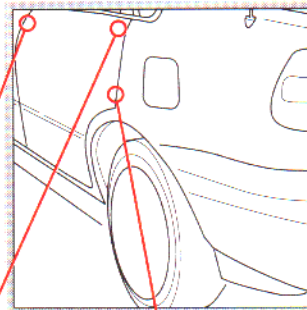
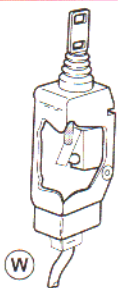


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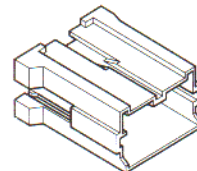


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20	19	18	17	16	15	14	13

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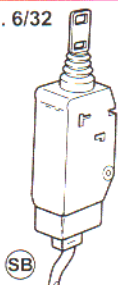


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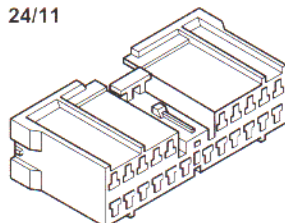


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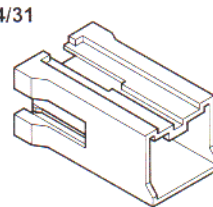


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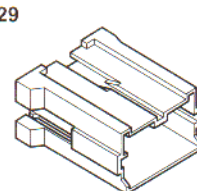
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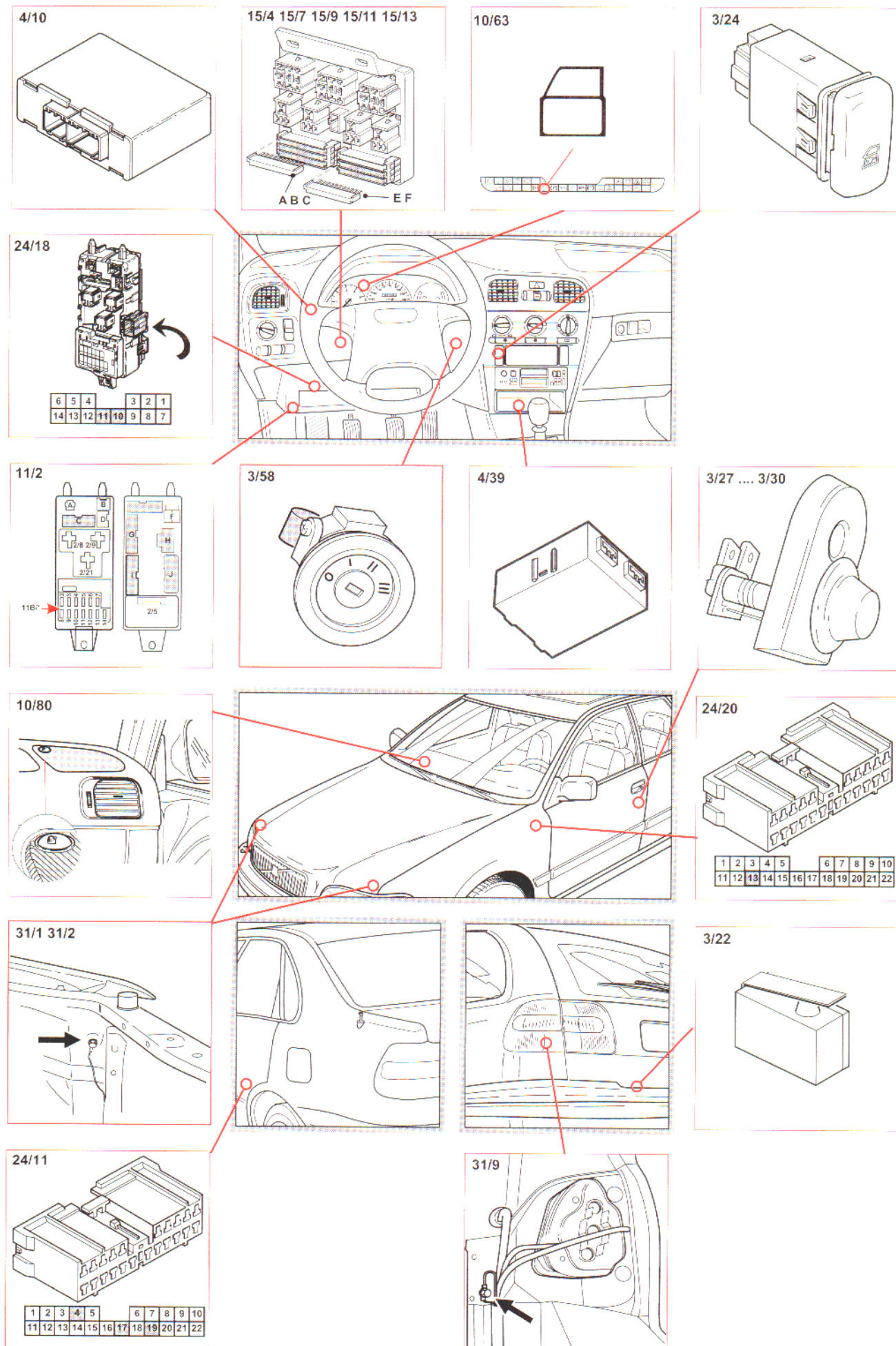
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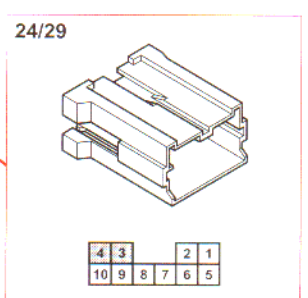
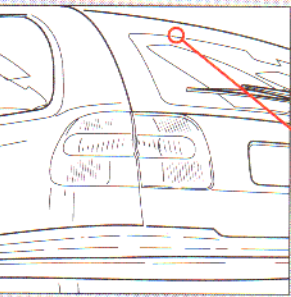
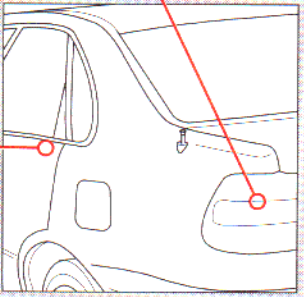
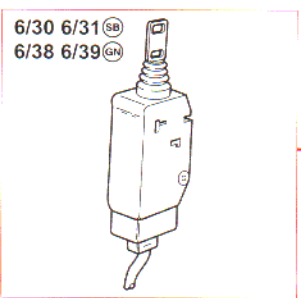
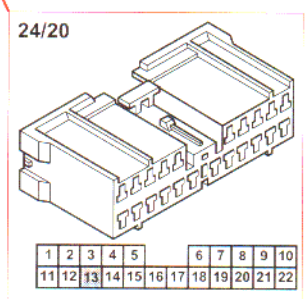
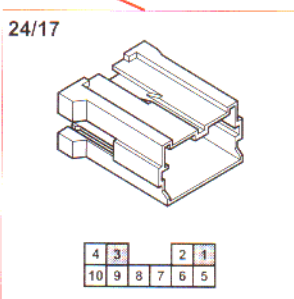
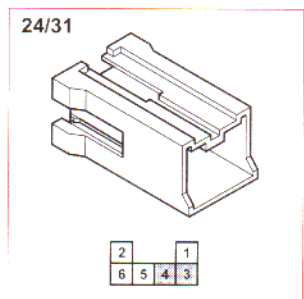
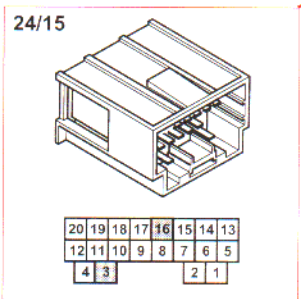
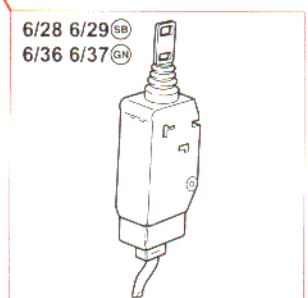
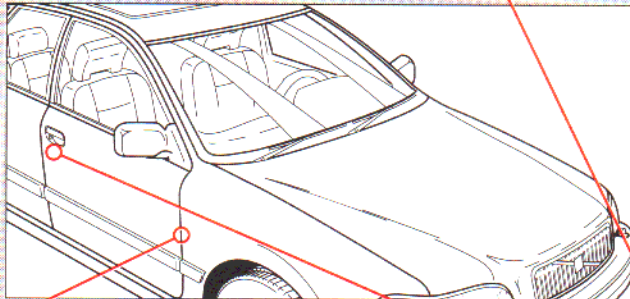
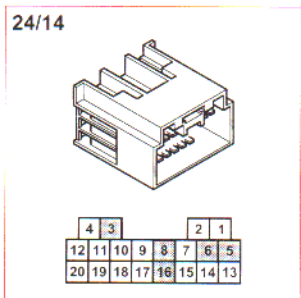
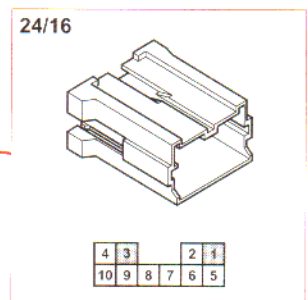
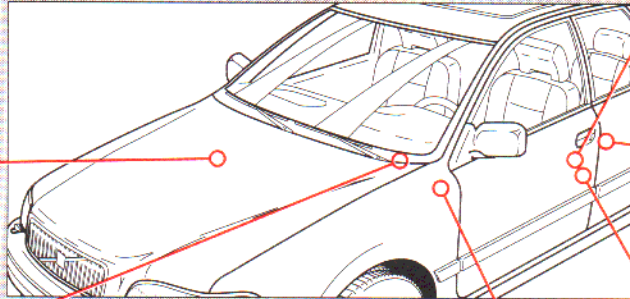
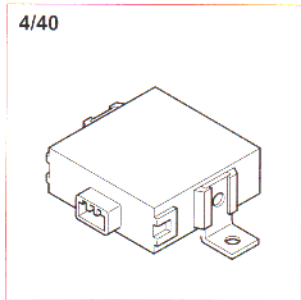
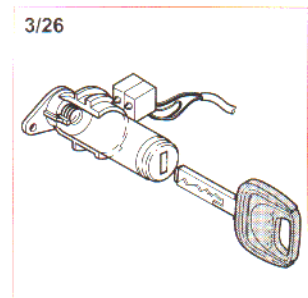
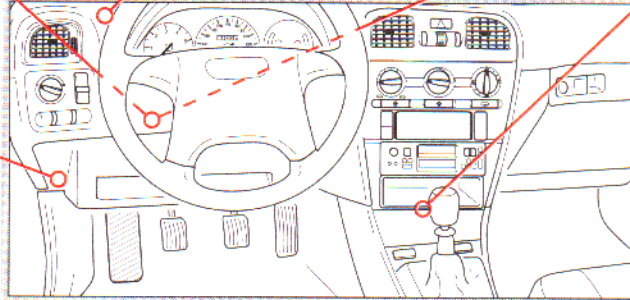
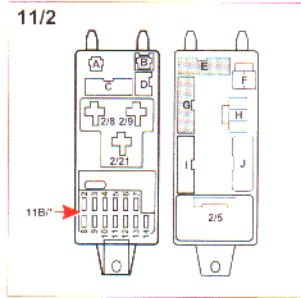
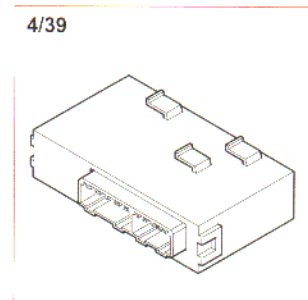
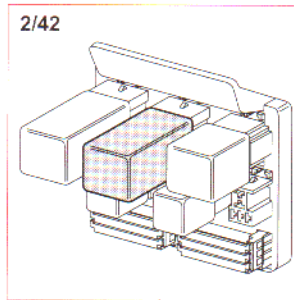
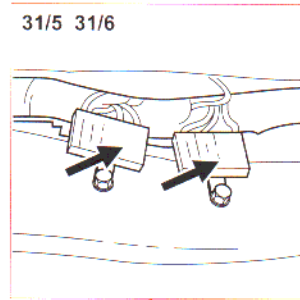
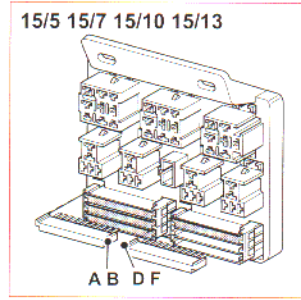


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10	9	8	7	6	5		

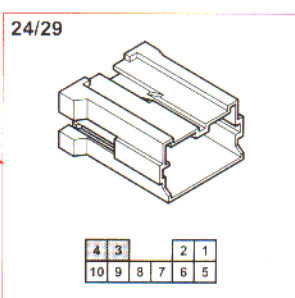
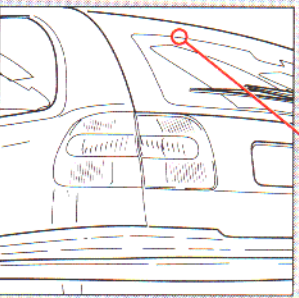
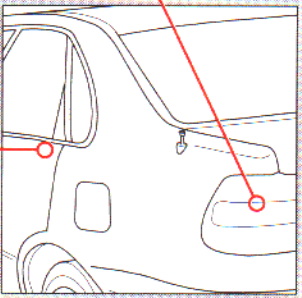
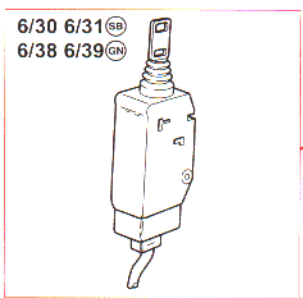
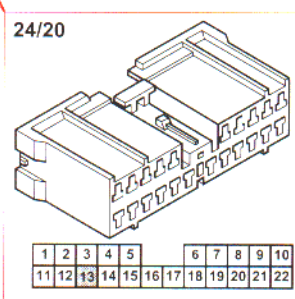
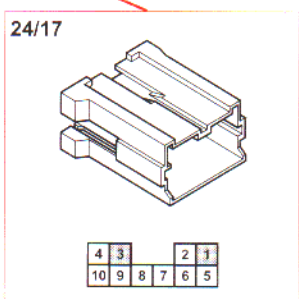
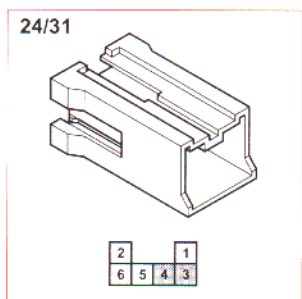
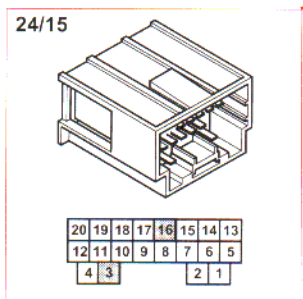
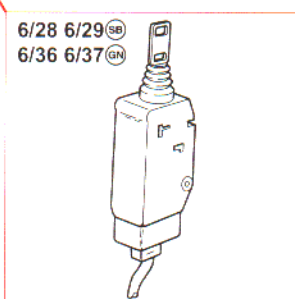
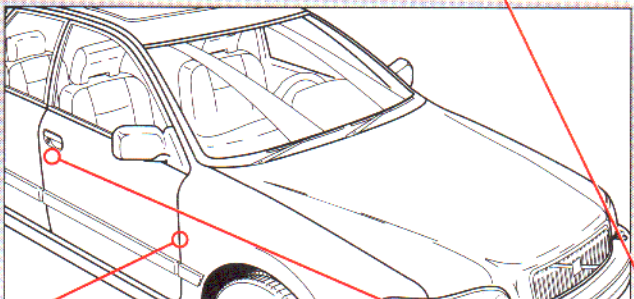
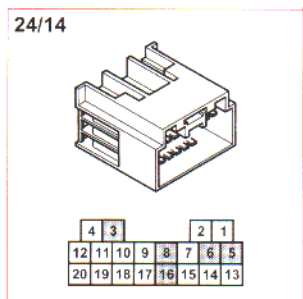
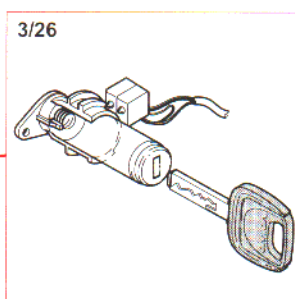
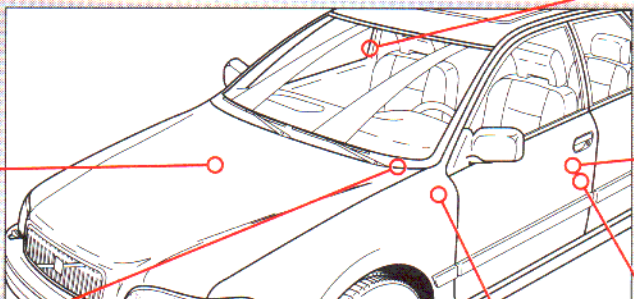
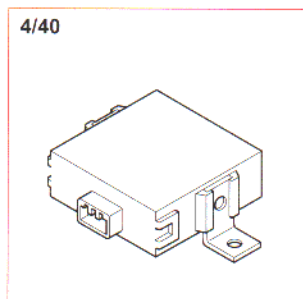
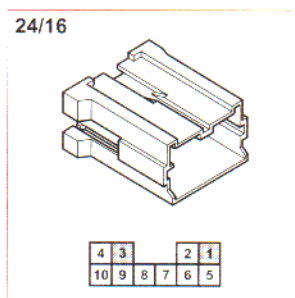
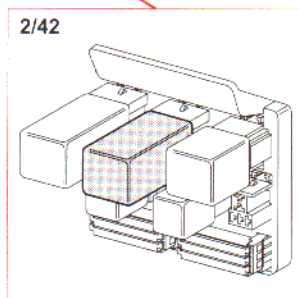
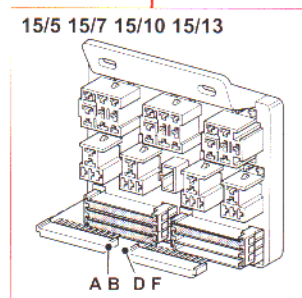
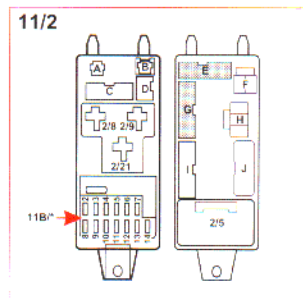
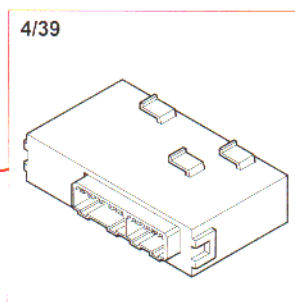
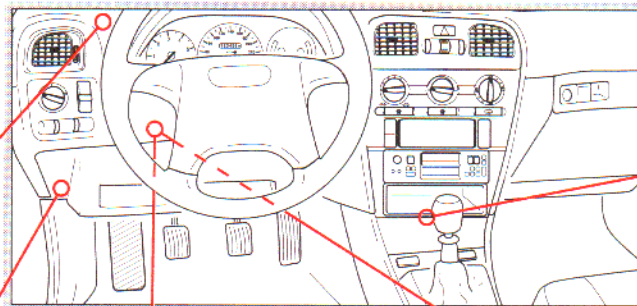
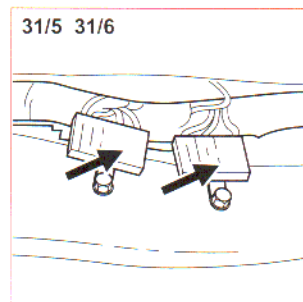
Remote controlled central locking-general



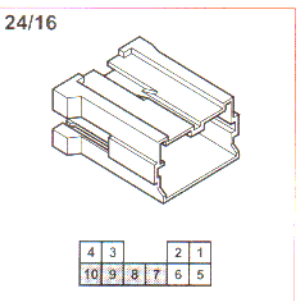
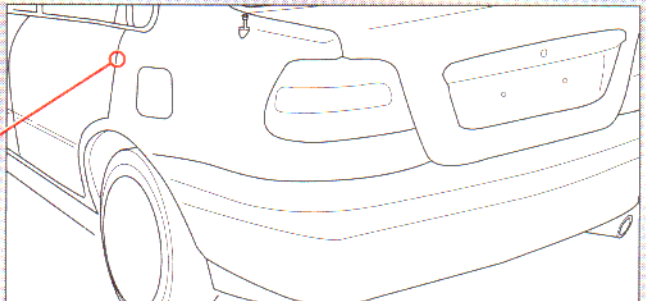
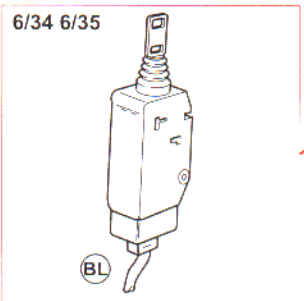
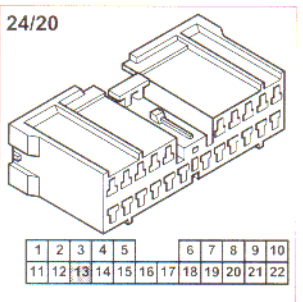
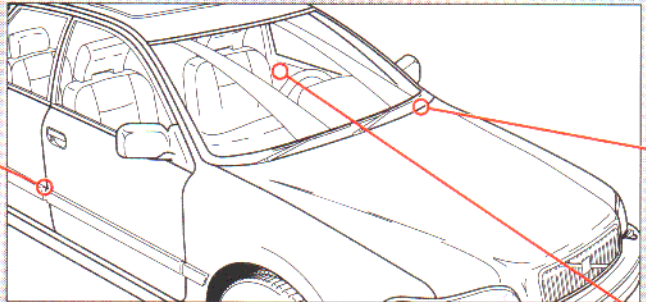
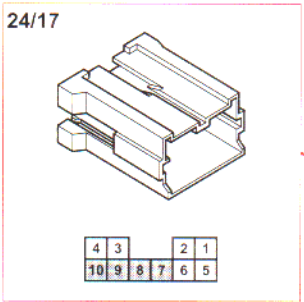
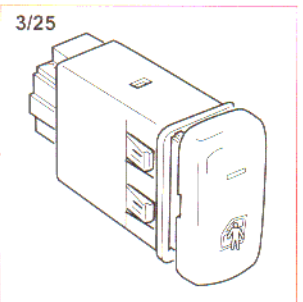
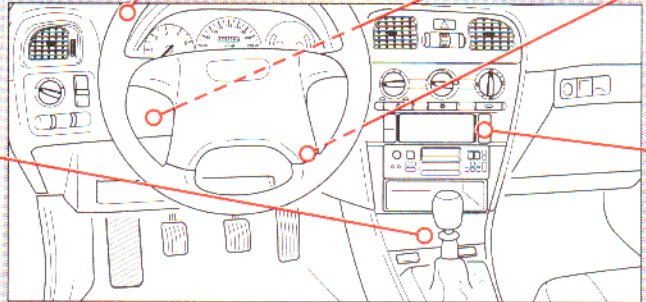
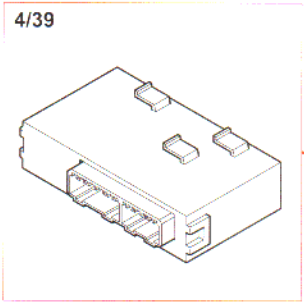
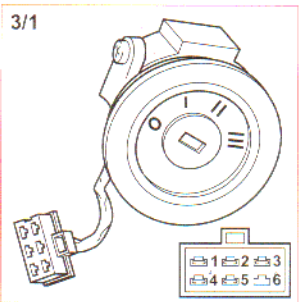
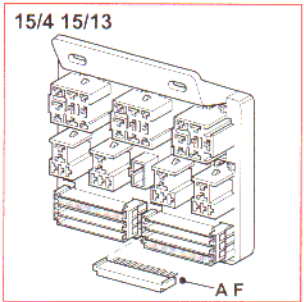
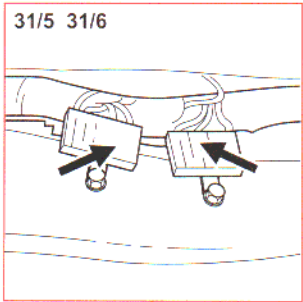
Remote controlled central locking - motors

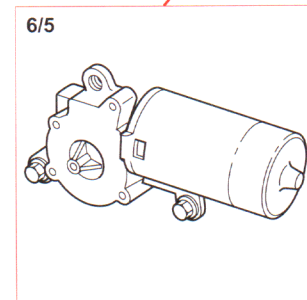
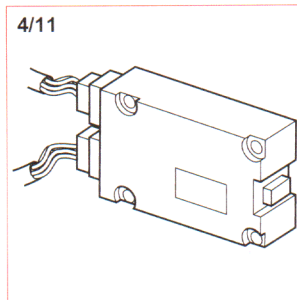
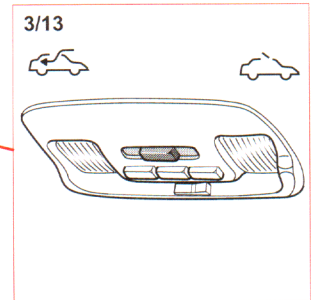
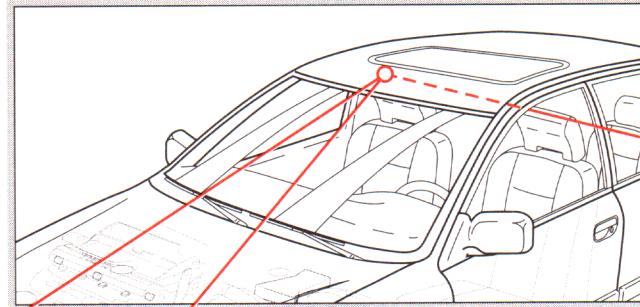
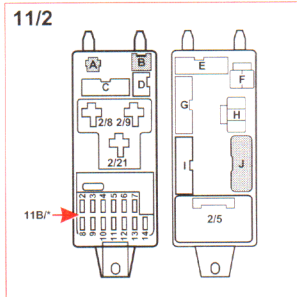
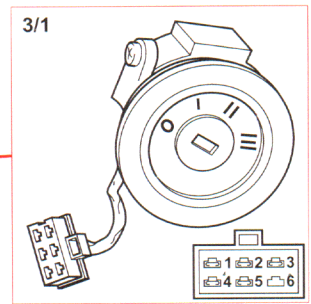
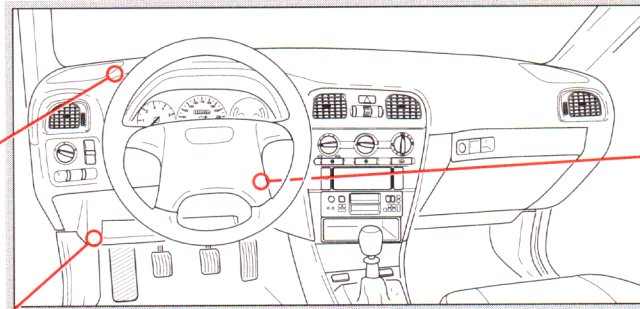
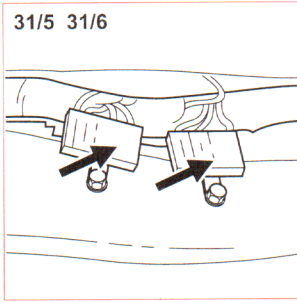


Remote controlled central locking - motors, USA

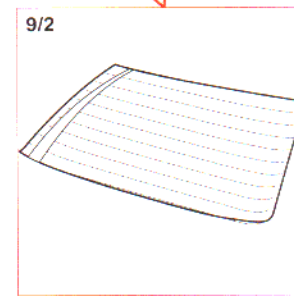
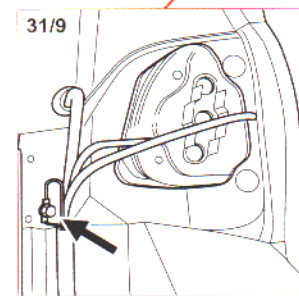
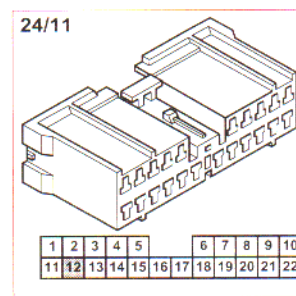
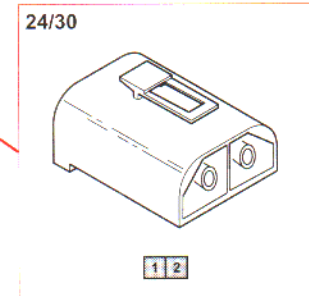
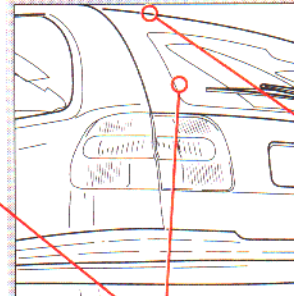
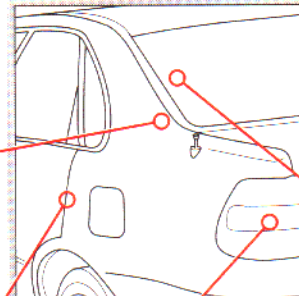
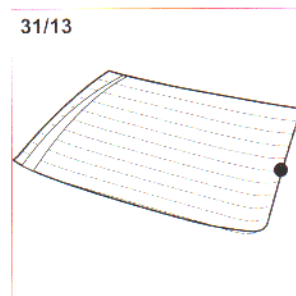
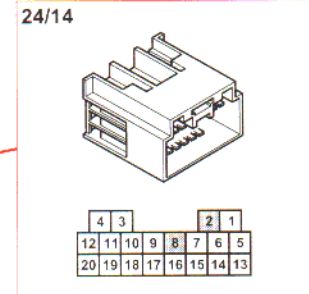
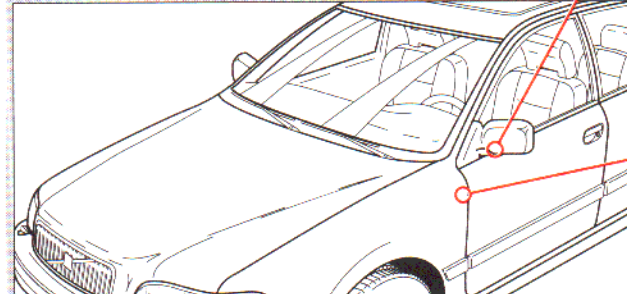
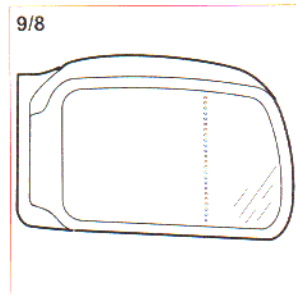
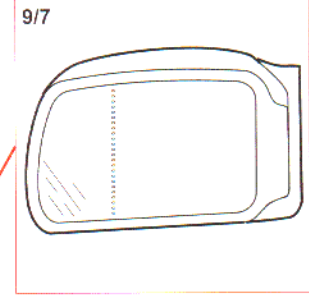
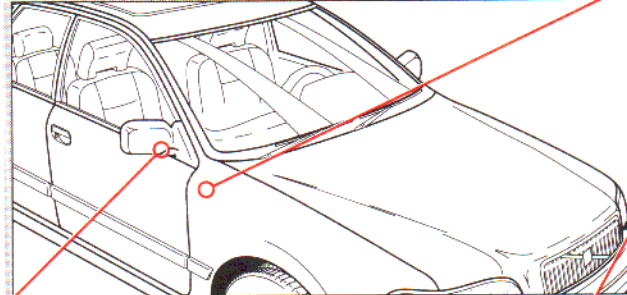
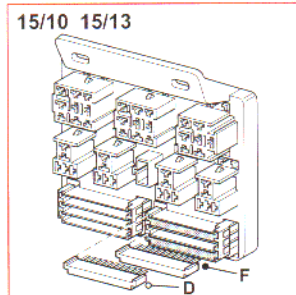
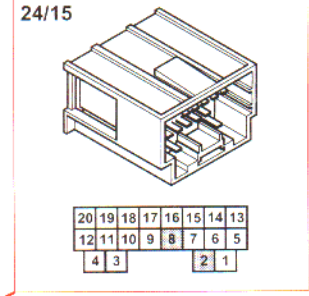
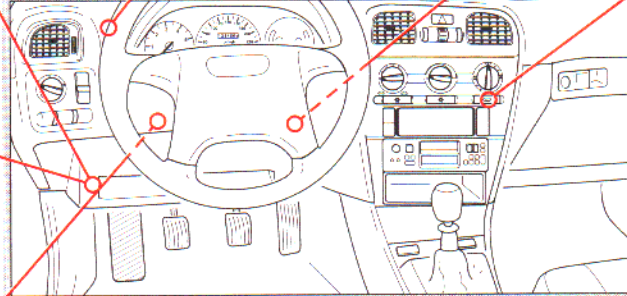
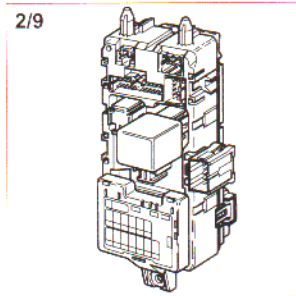
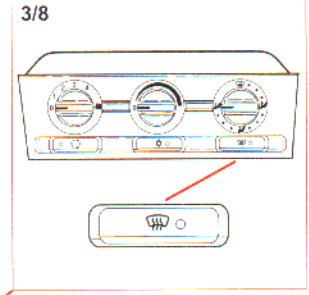
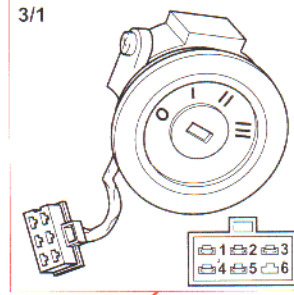
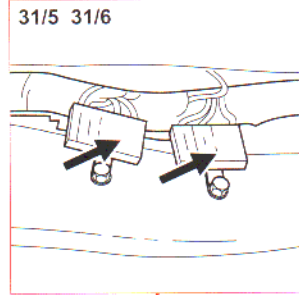
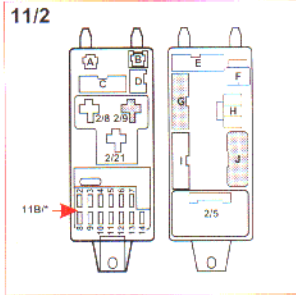


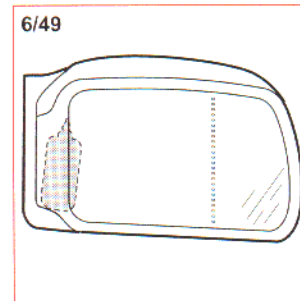
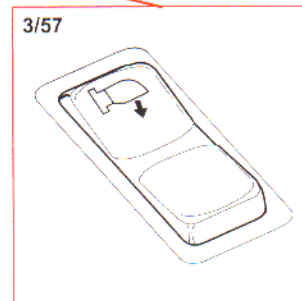
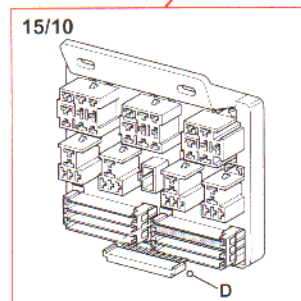
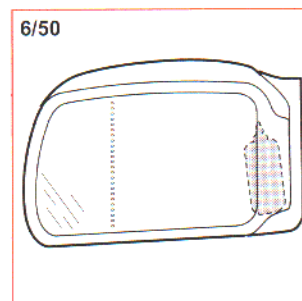
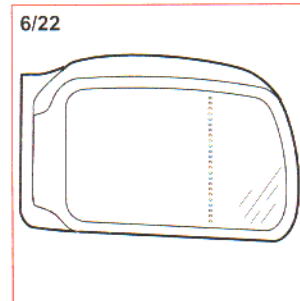
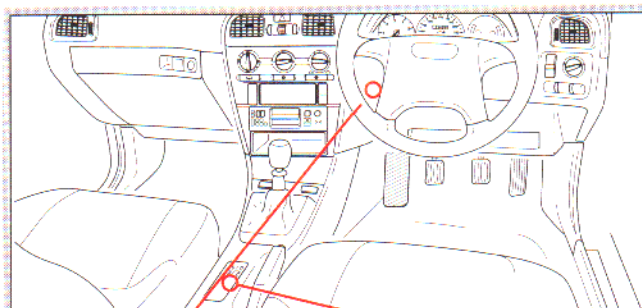
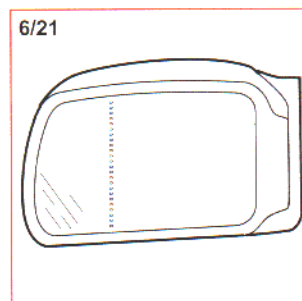
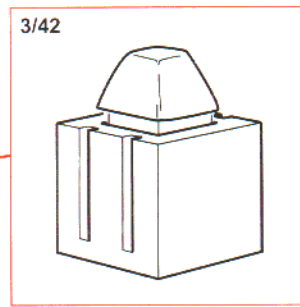
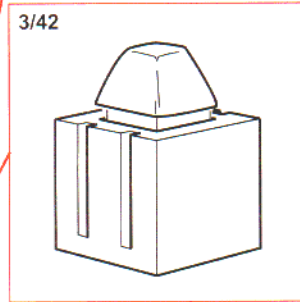
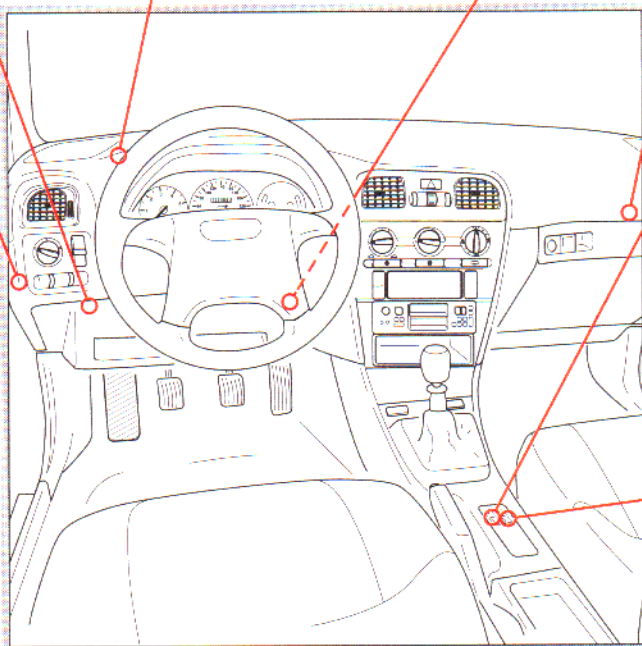
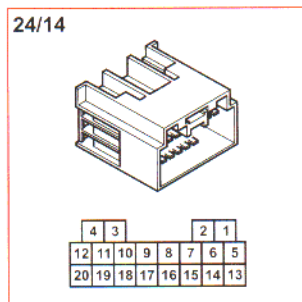
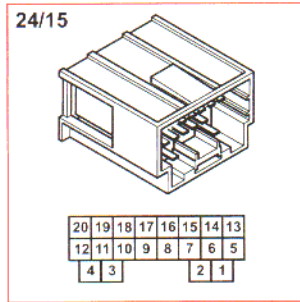
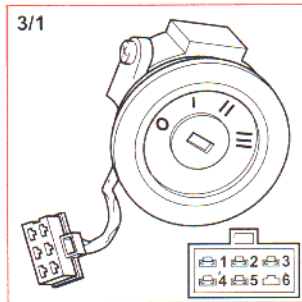
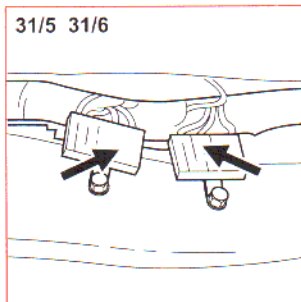
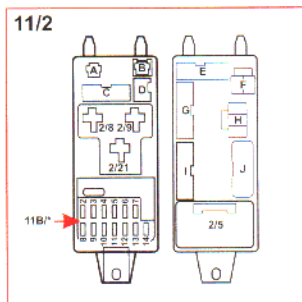
Electrical door locks rear



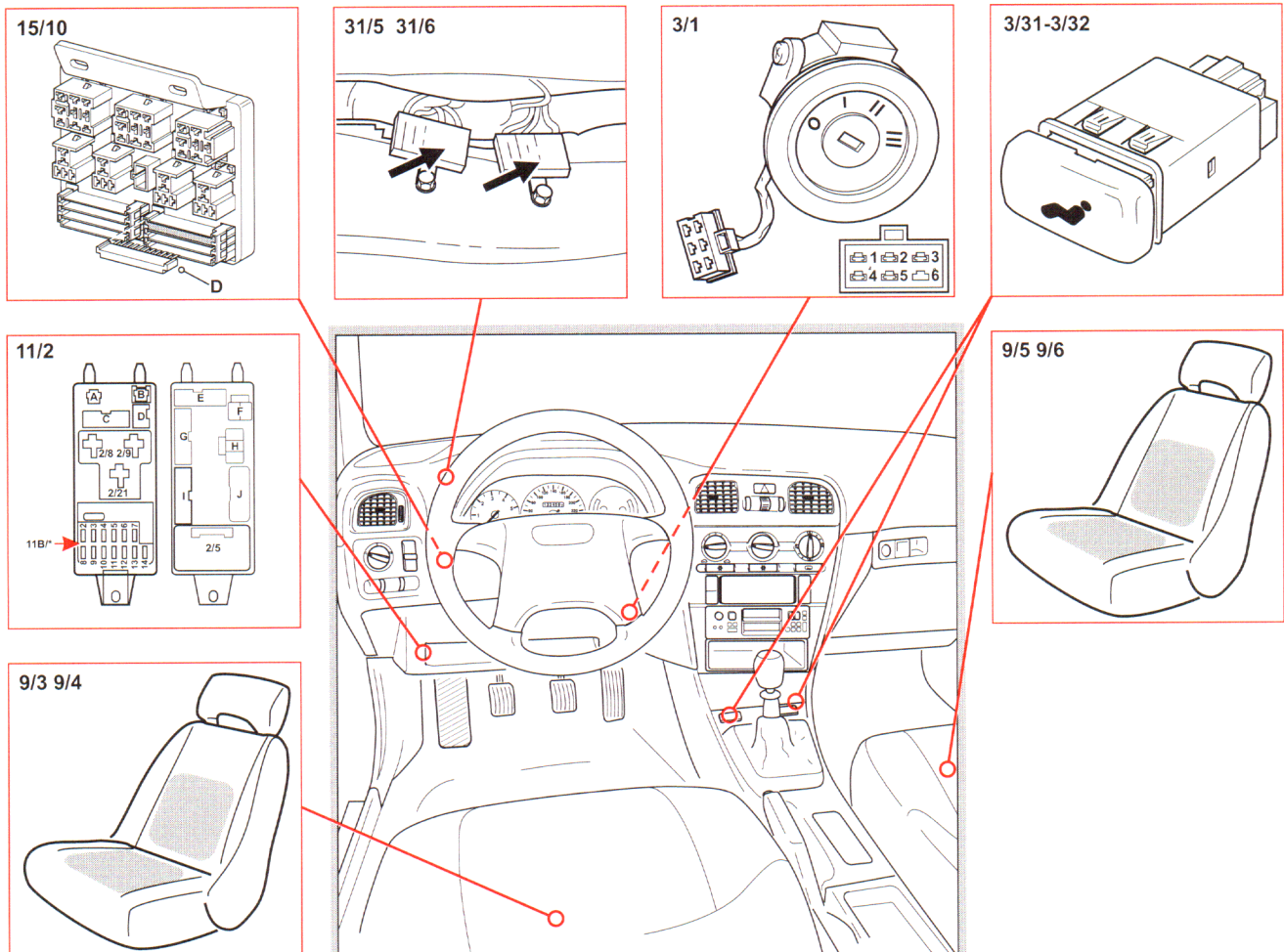


Heated rear window and heated door mirrors

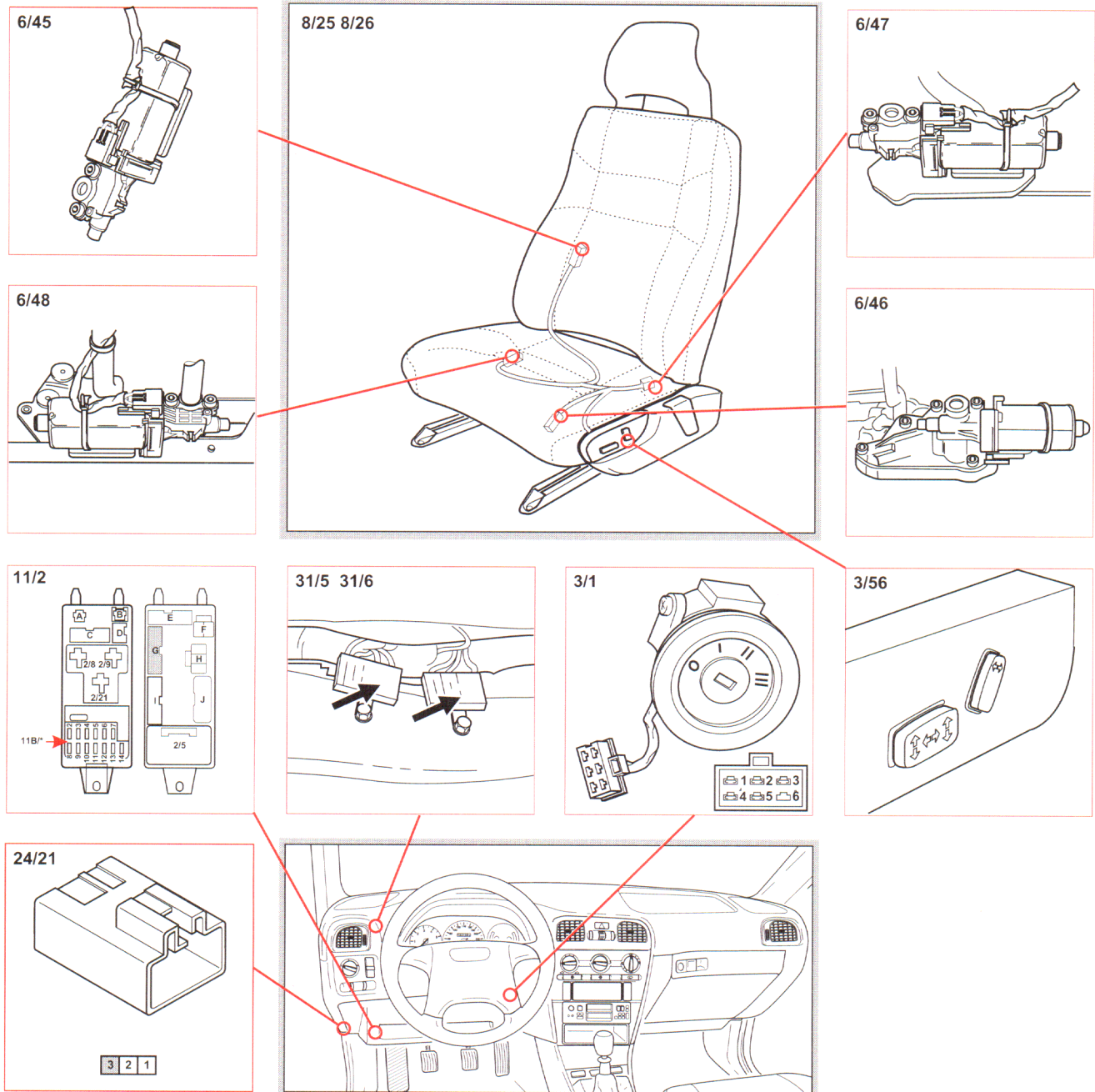




Electrically heated seats front

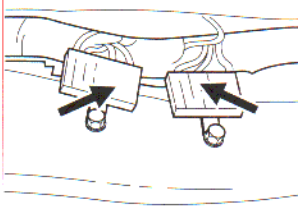


Power seats

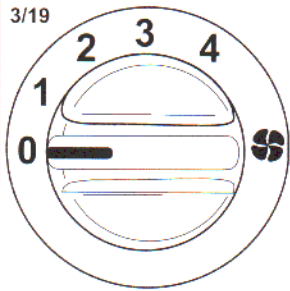


Manual climate control, MCC

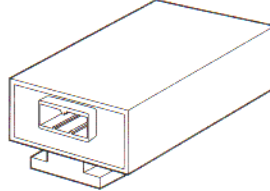
31/5 31/6



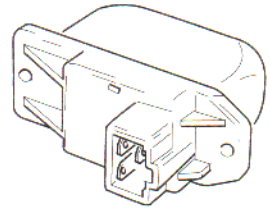
3/19



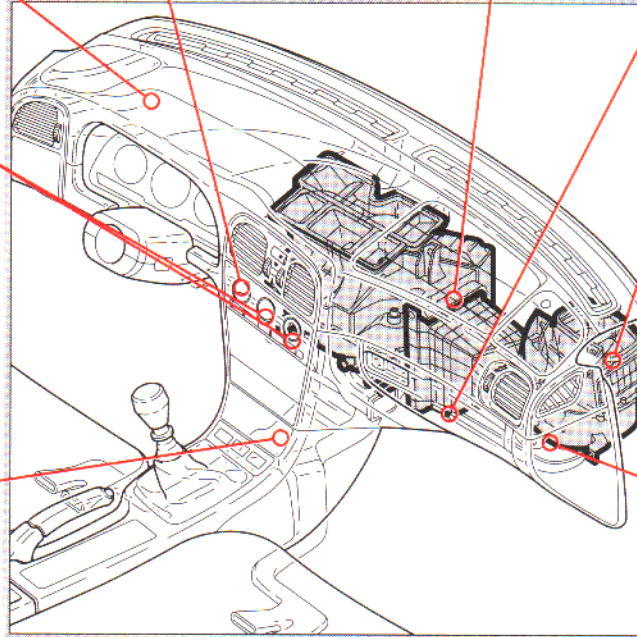
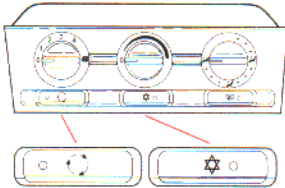
4/20



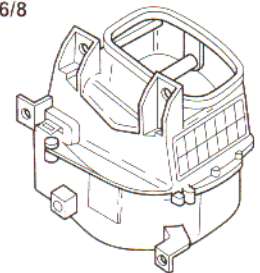
20/1



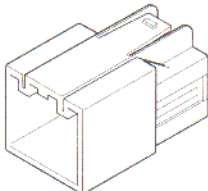
3/18



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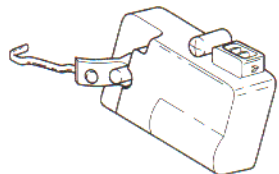


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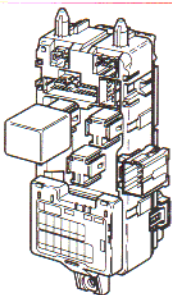


1	2	3	4	5	6
7	8	9	10	11	12

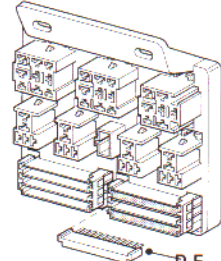
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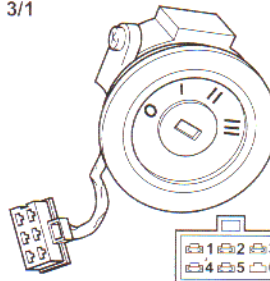
2/8



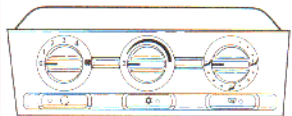
15/10 15/13



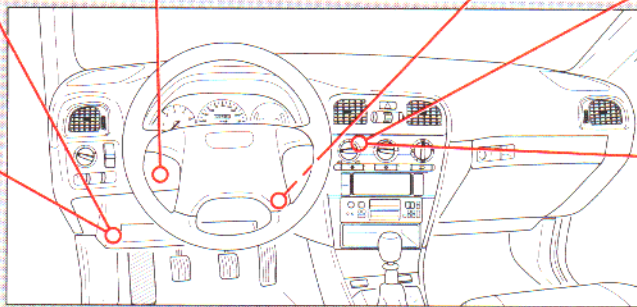
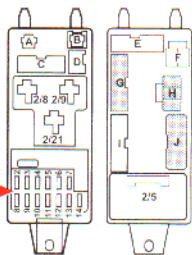
3/1



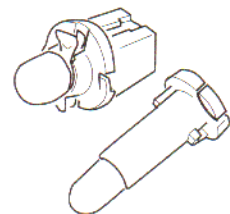
4/19



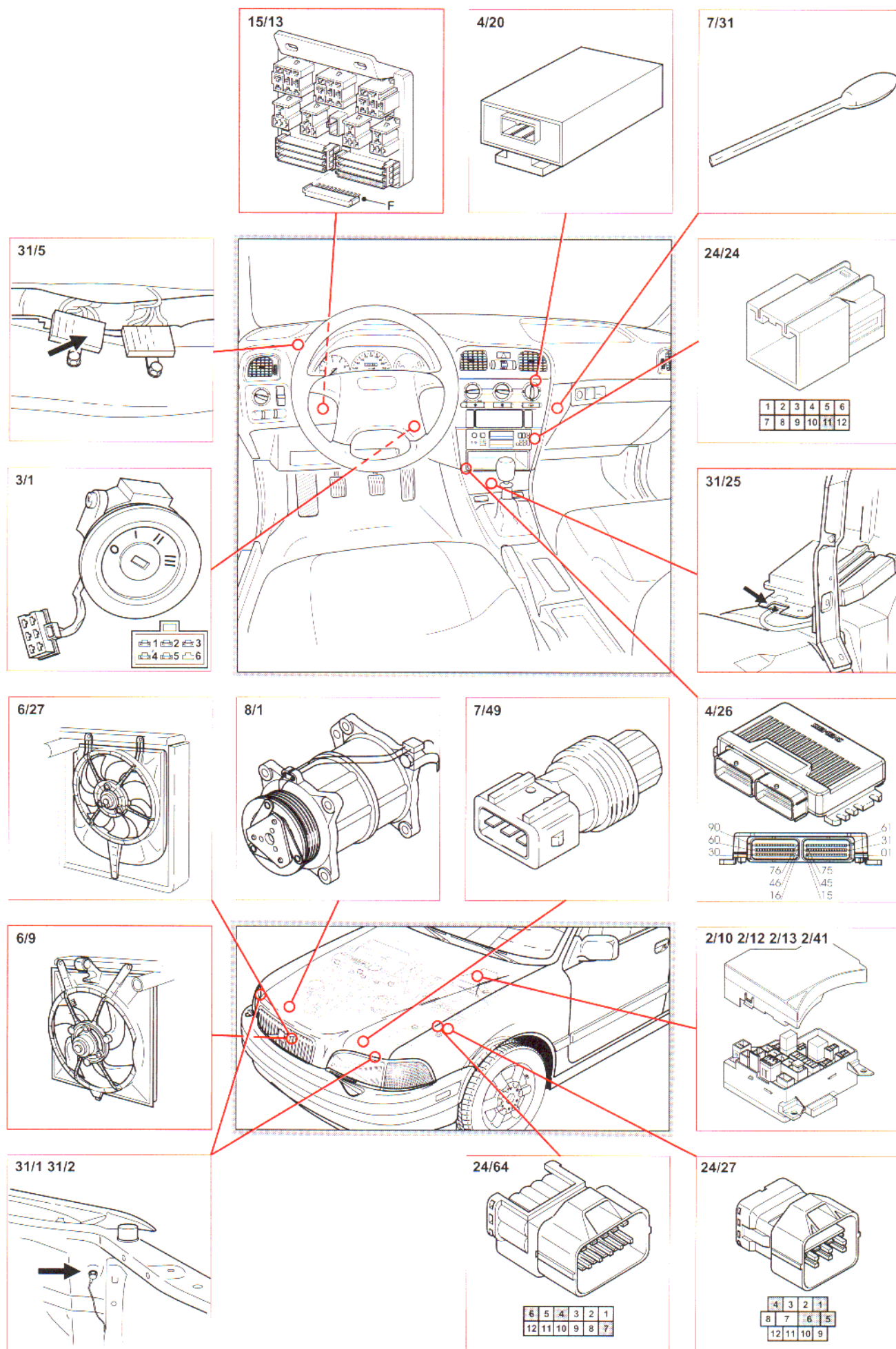
11/2



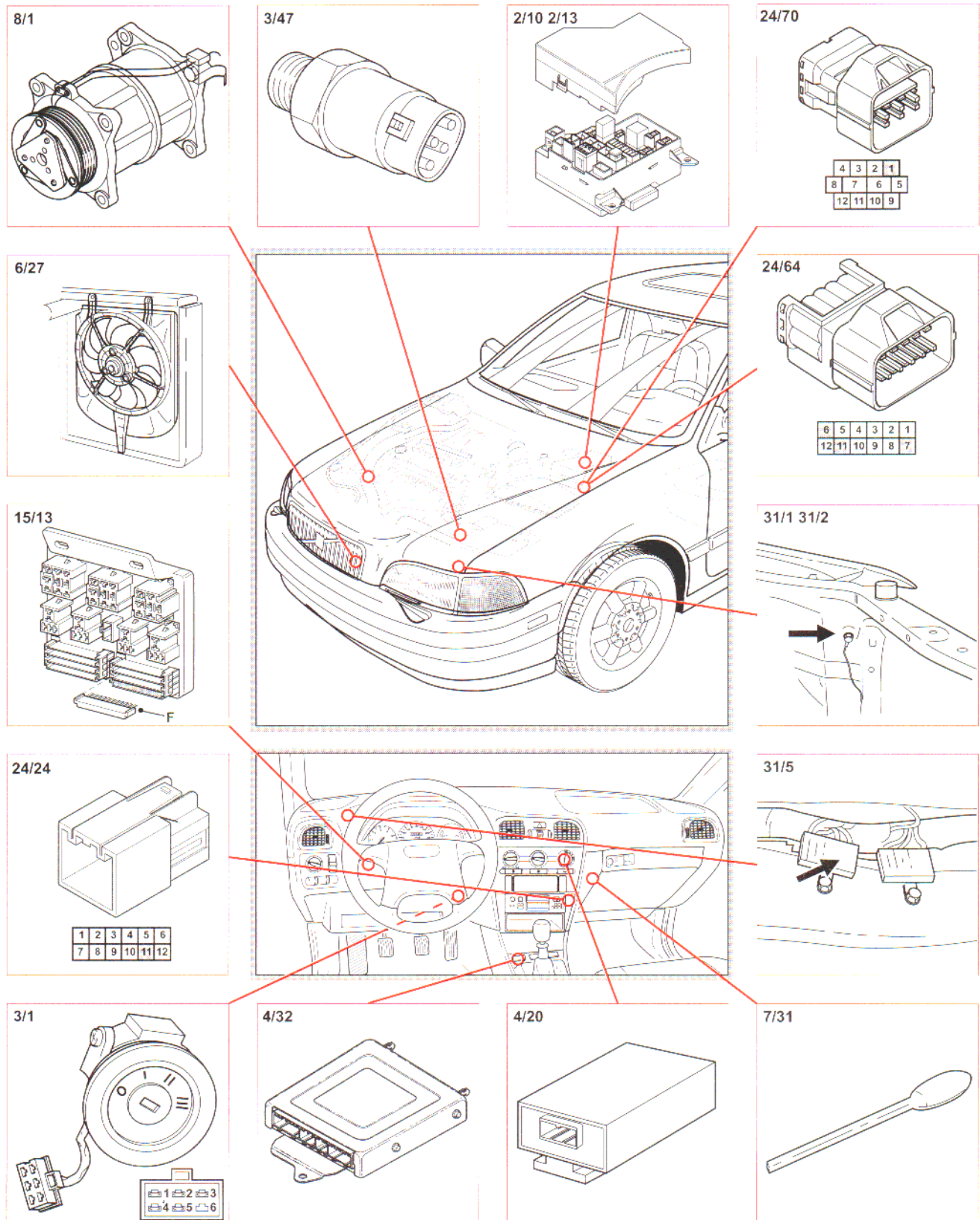
10/44



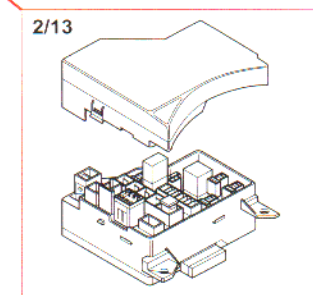
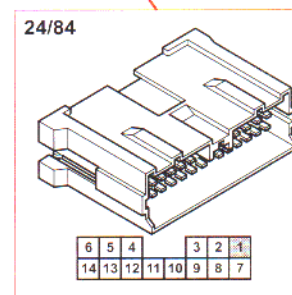
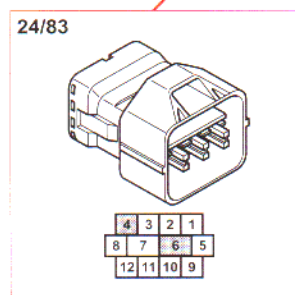
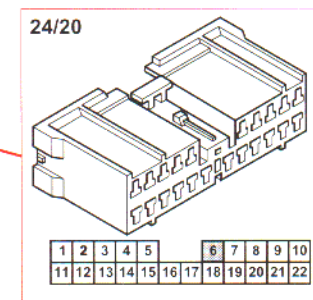
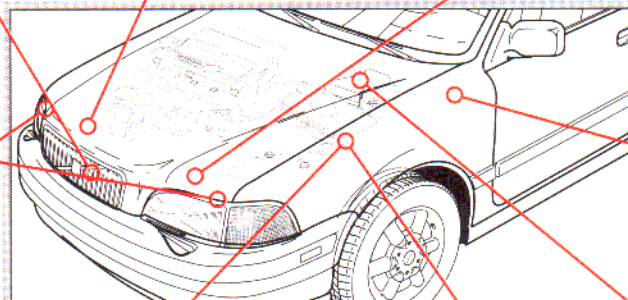
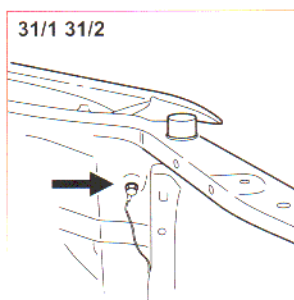
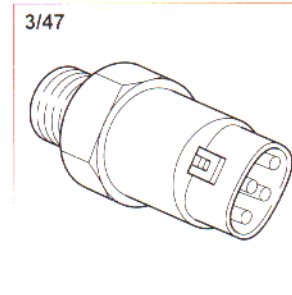
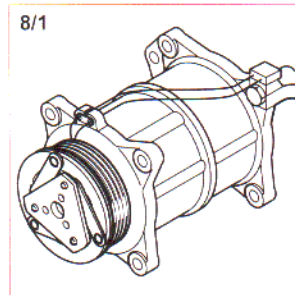
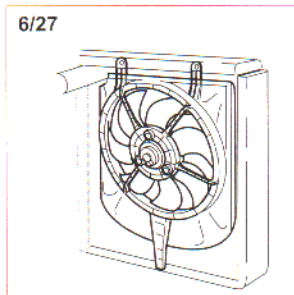
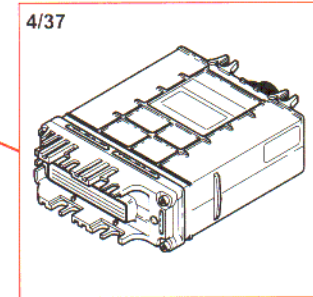
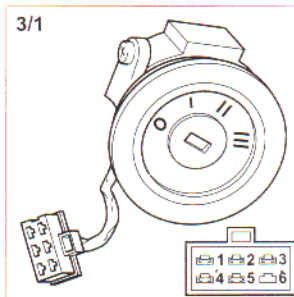
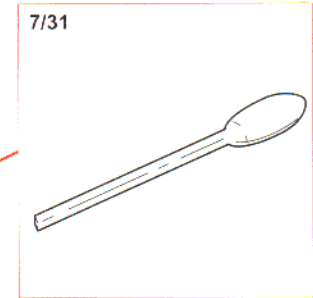
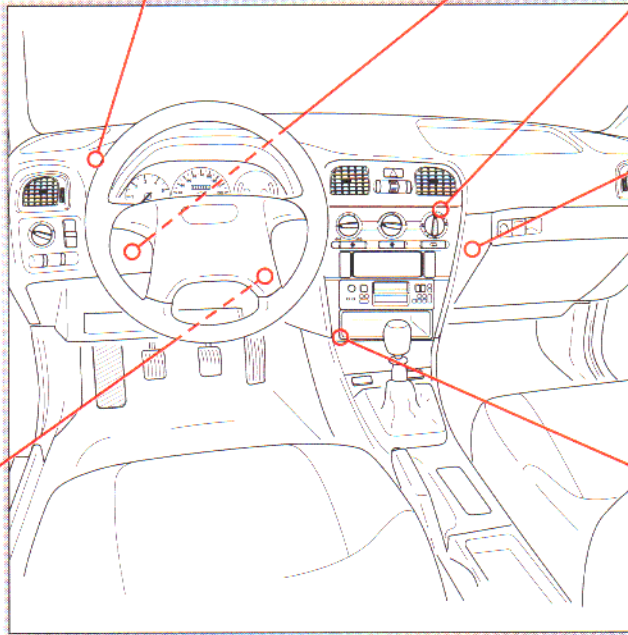
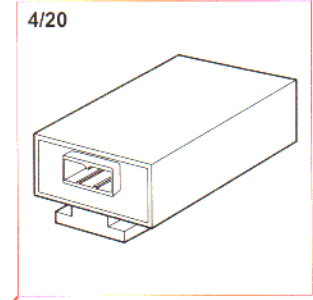
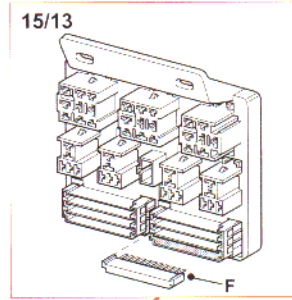
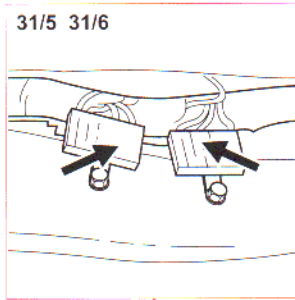
Air conditioning (A/C) compressor, EMS 2000

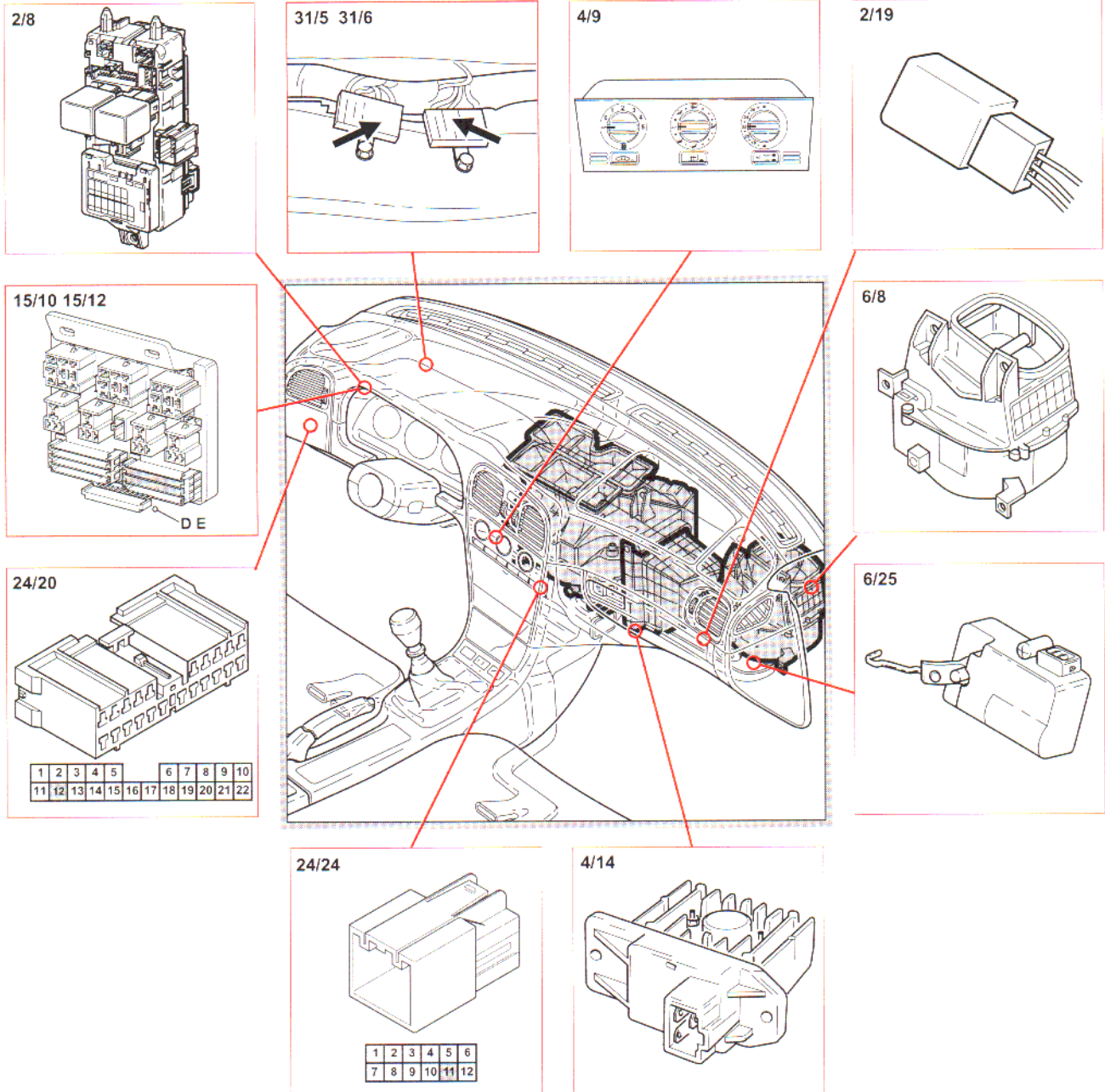


Air conditioning (A/C) compressor, MELCO 1



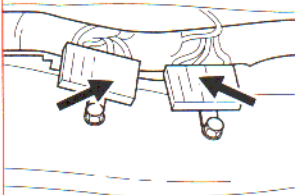
Air conditioning (A/C) compressor, Diesel



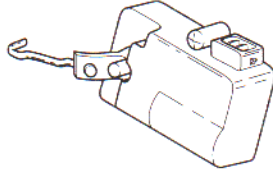


ECC - control of motors and sensors

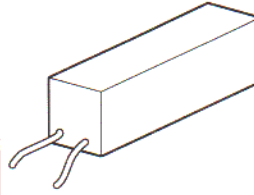
31/5 31/6



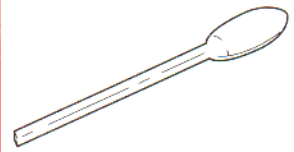
6/23 6/24



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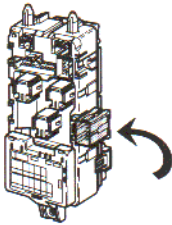
7/29 7/31



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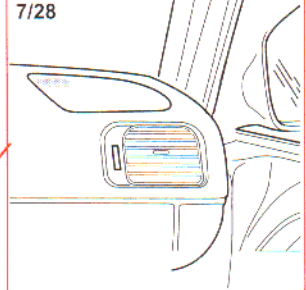


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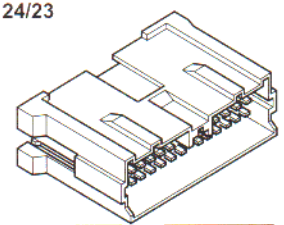


6	5	4	3	2	1
14	13	12	11	10	9
8	7				

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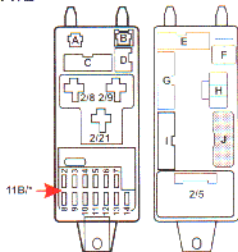


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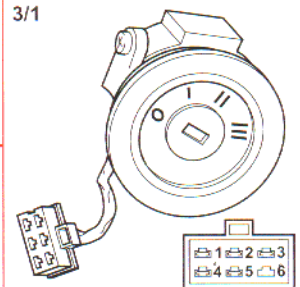


10	9	8	7	6	5	4	3	2	1
22	21	20	19	18	17	16	15	14	13
12	11								

11/2

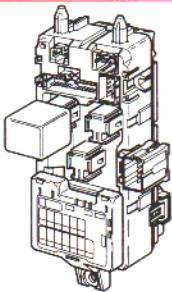


3/1

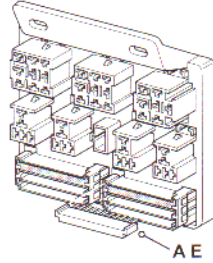


1	2	3
4	5	6

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15/4 15/10



AE

Airbag and/or seat belt tensioner

