



Installation instructions, accessories

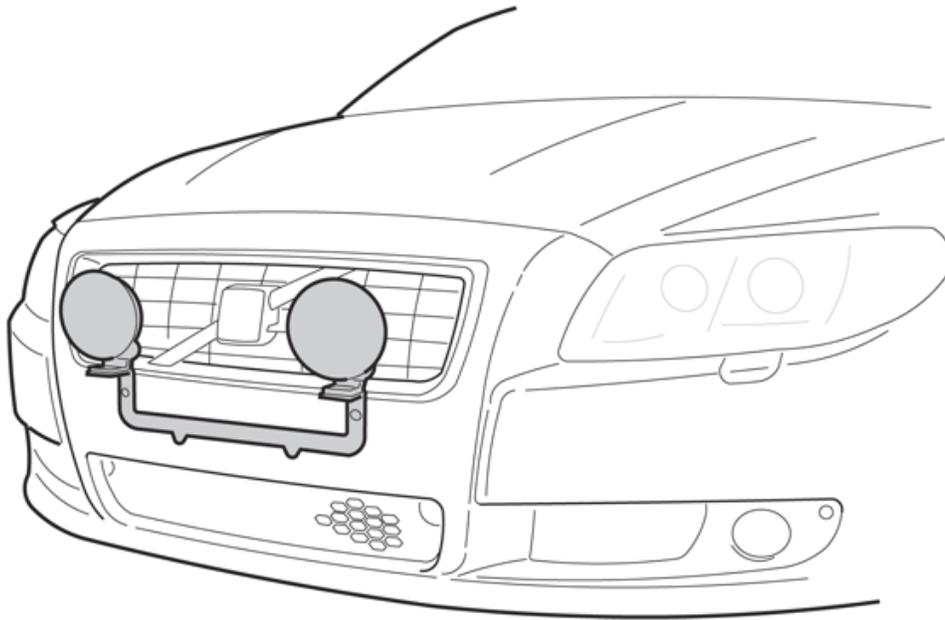
Volvo Car Corporation Gothenburg, Sweden

Instruction No
31305894

Version
1.1

Part. No.
30796567

Auxiliary lights, installation kit



IMG-235751



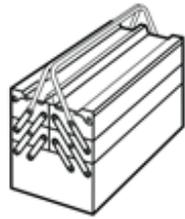
Installation instructions, accessories

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Equipment

VIDA

IMG-242205



A0000162

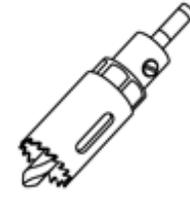


IMG-239660



IMG-239664

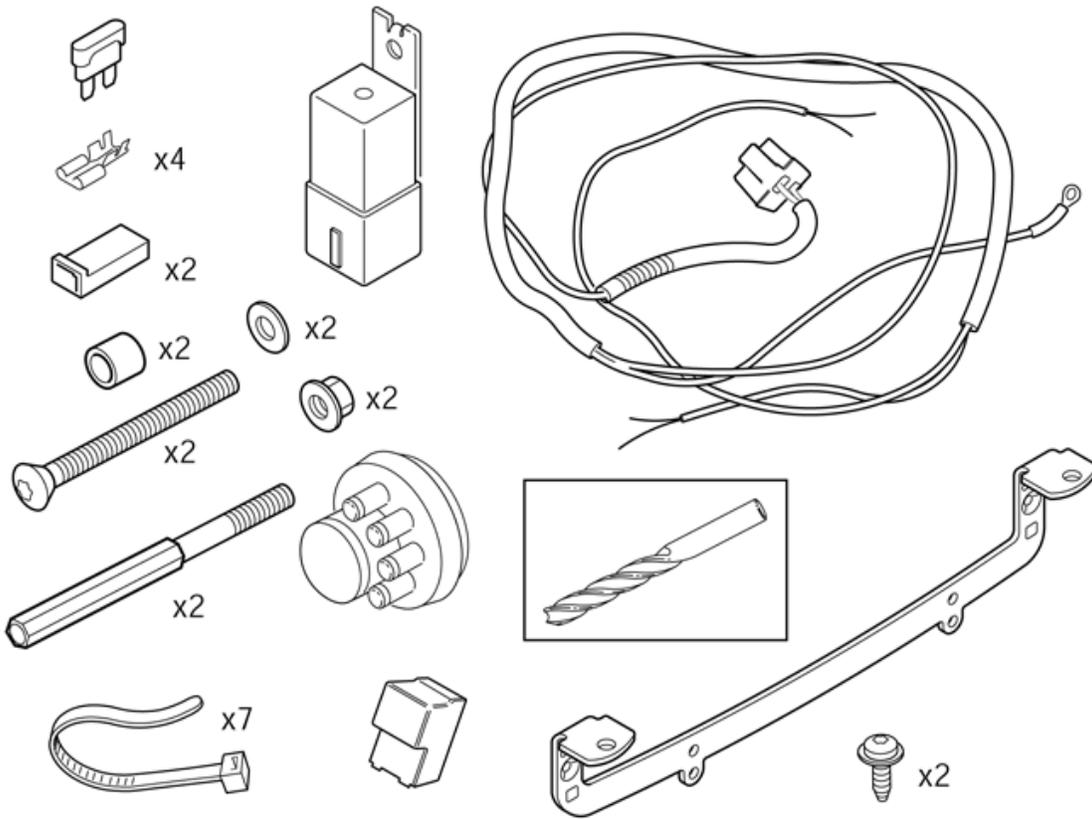
Nm
lbf.ft



IMG-239942



IMG-239981



IMG-266183



Installation instructions, accessories

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INTRODUCTION

Read through all of the instructions before starting installation.

Notifications and warning texts are for your safety and to minimise the risk of something breaking during installation.

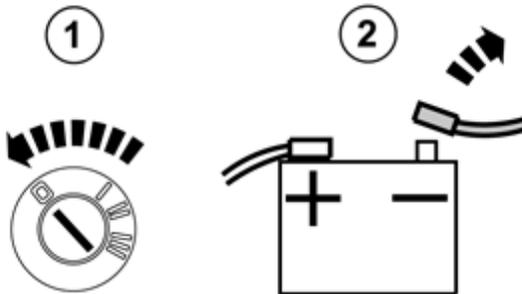
Ensure that all tools stated in the instructions are available before starting installation.

Certain steps in the instructions are only presented in the form of images. Explanatory text is also given for more complicated steps.

In the event of any problems with the instructions or the accessory, contact your local Volvo dealer.

Installing the bracket

1



Installing the bracket

Turn the ignition key to position 0.

Remove the cover for the battery box and then the battery's negative lead.

Note!

Wait at least three minutes before unplugging the connectors or removing other electrical equipment.

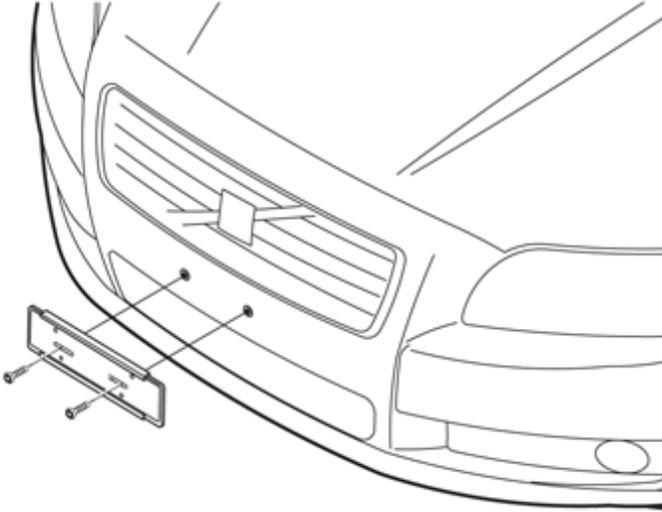
IMG-246024



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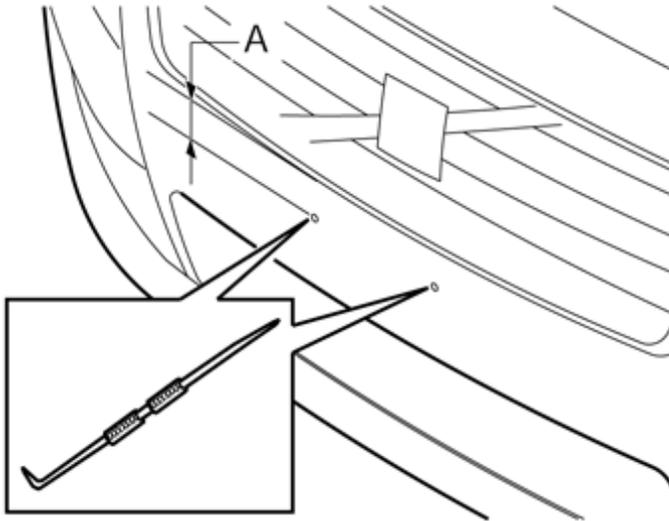
2



Remove the number plate and holder.

IMG-235763

3



Locate the two markings that are situated according to the measurement A in the image under the top edge of the outer cover. Make holes in the markings with a scribe.

S80

A = 82 mm (3 1/4")

V70

A = 83.5 mm (3 5/16")

XC70

A = 81.5 mm (3 3/16")

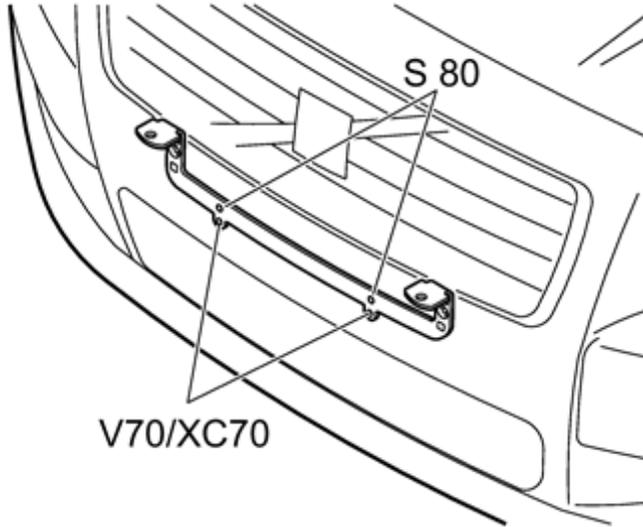
IMG-266184



Installation instructions, accessories

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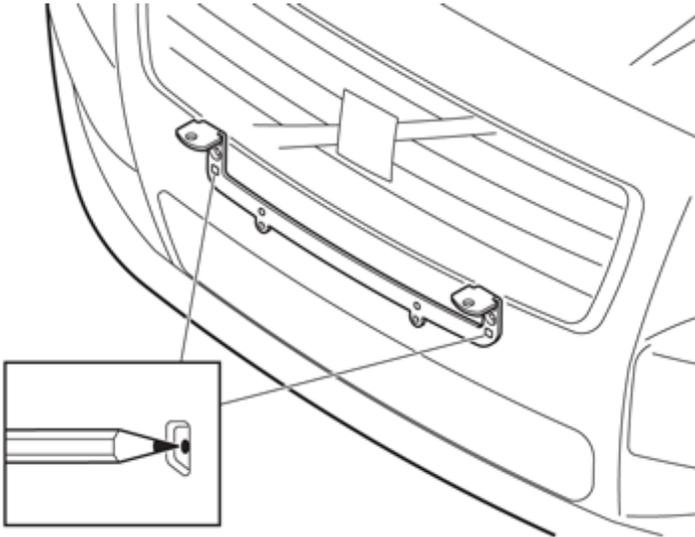
4



Tighten the cover. The upper holes apply to the S80, the lower for V70/XC70. Use new screws from the kit.

IMG-266185

5



Mark the centre of the lower holes.

IMG-235782



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6A

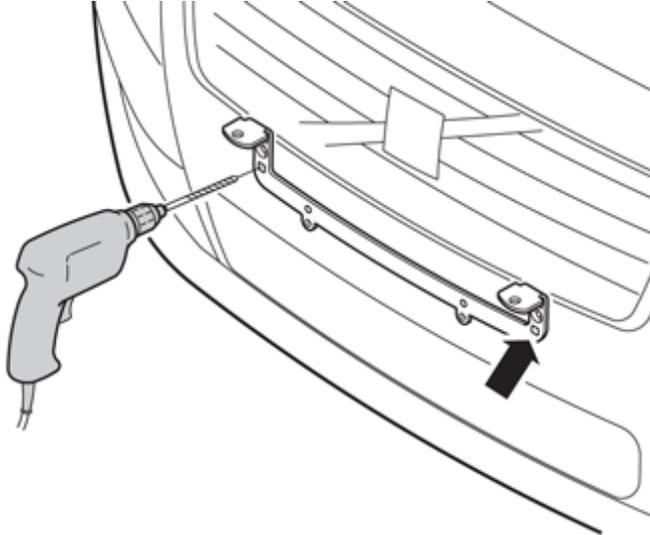


Illustration A

Drill into the markings with the designated drill bit.

Note!

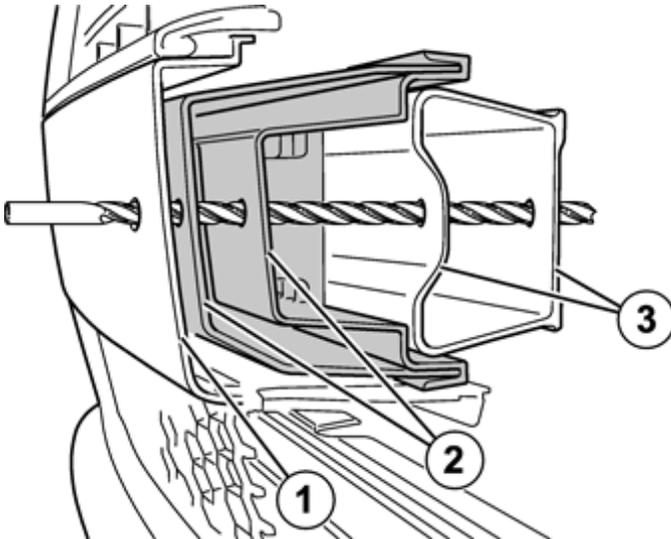
It is important that the holes are drill horizontally to the car.

Illustration B

Drill through the outer cover (1), the shock absorbing section (2) and the impact member (3).

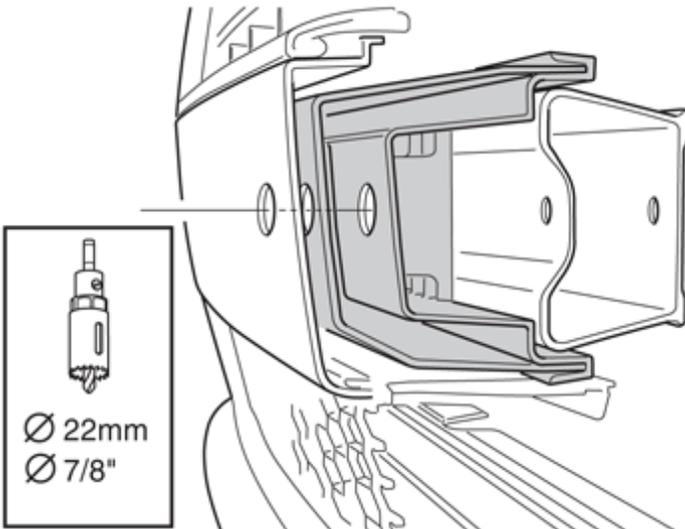
IMG-235783

6B



IMG-235785

7



IMG-235784

Remove the bracket.

Drill out the holes using a 22 mm 7/8" hole saw through the outer cover and the shock absorbing section.

Note!

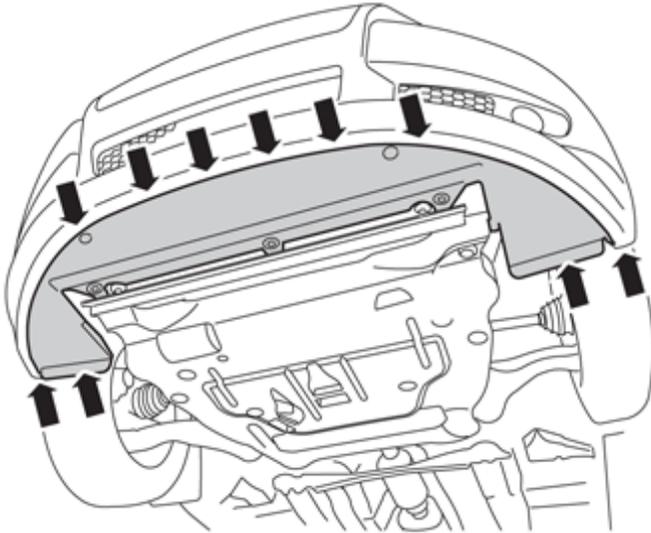
Do not drill through the impact member.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

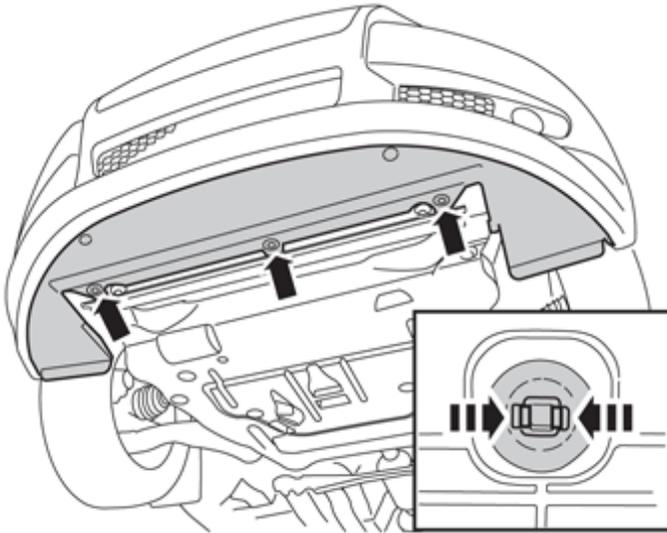
8



IMG-239480

Remove the screws.

9



IMG-239481

Remove:

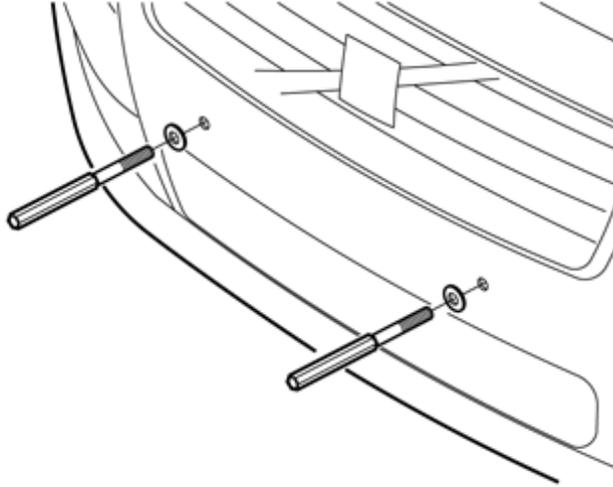
the clips by pinching the catches and then pulling them out the cover panel.



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Volvo Car Corporation Gothenburg, Sweden

10



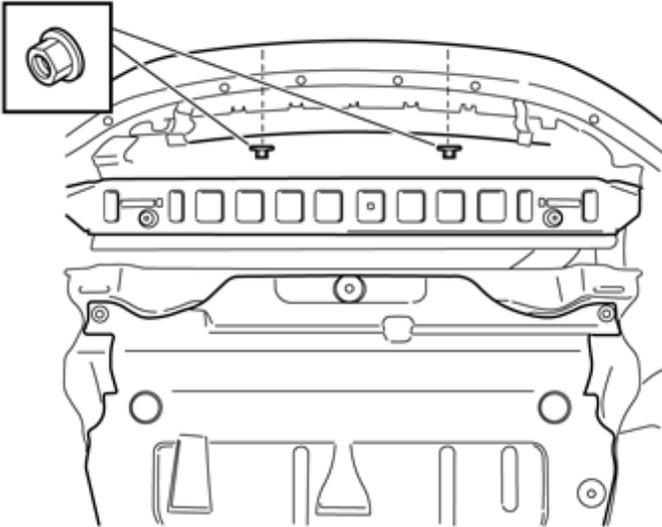
Install:

the washers

the spacers.

IMG-266186

11



Install two nuts from below, tightening torque: 24 Nm (17.7 lbf.ft.)

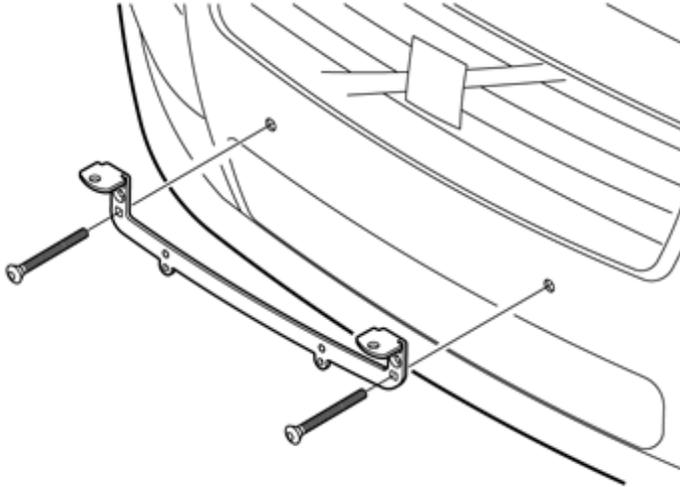
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Installation instructions, accessories

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12



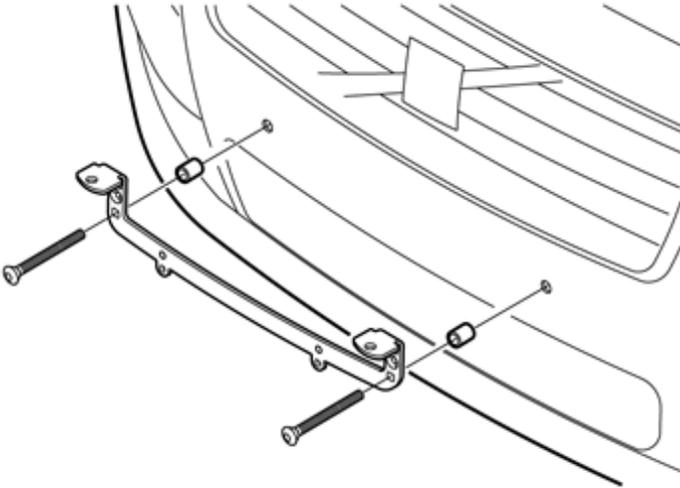
Applies to the S80 and XC70

Install:

- the bracket
- the screws
- registration plate.

IMG-266187

13



Applies to the V70

Install:

- the spacers
- the bracket
- the screws
- registration plate.

IMG-266188

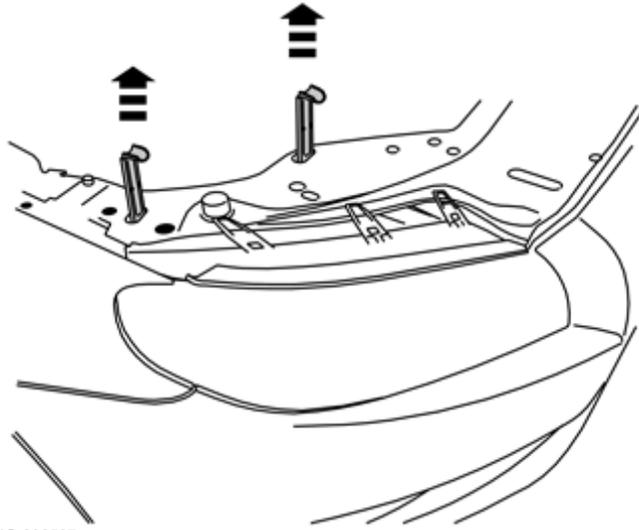
Cable routing



Installation instructions, accessories

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14

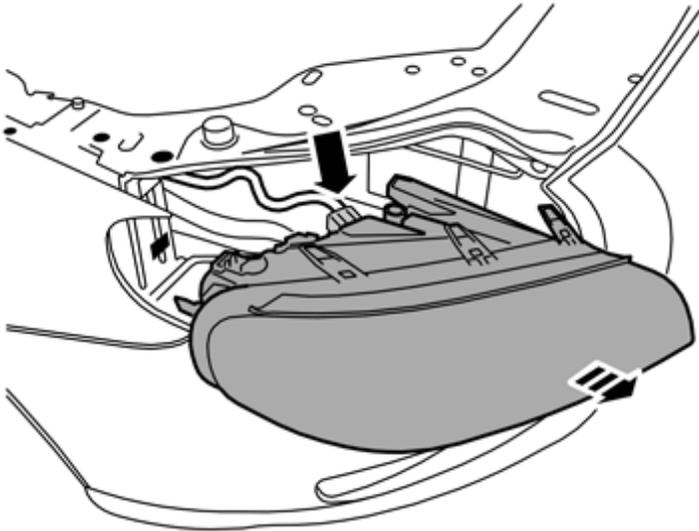


IMG-232587

Cable routing

Remove the lock facings from both headlamps.

15



IMG-232588

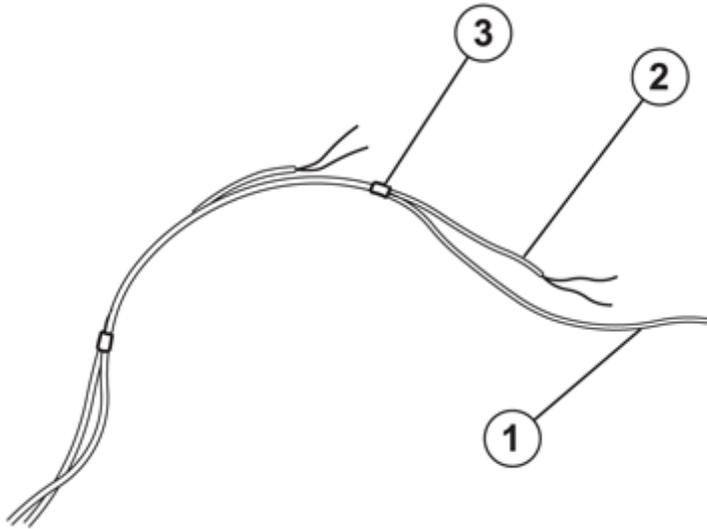
Remove both headlamps.



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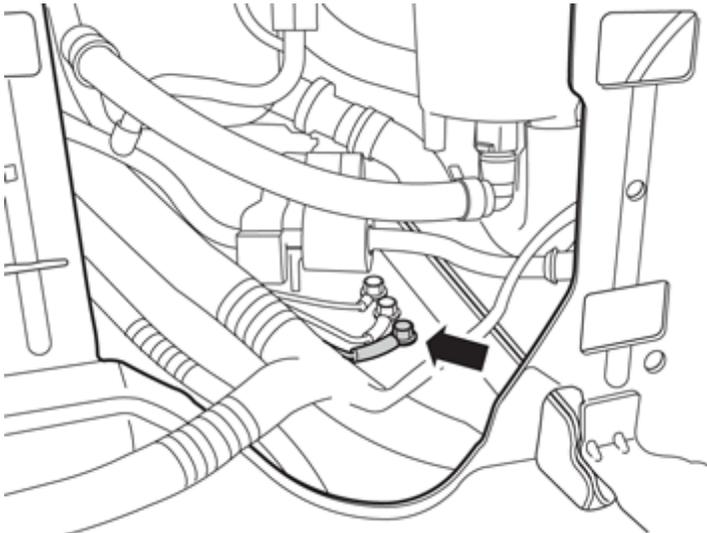
16



IMG-235802

In order to facilitate cable routing, tape the red cable (1) together with the longer auxiliary lights' cables (2), black and blue. Finally, tape the end of the shorter auxiliary lights' cables (3).

17



IMG-235805

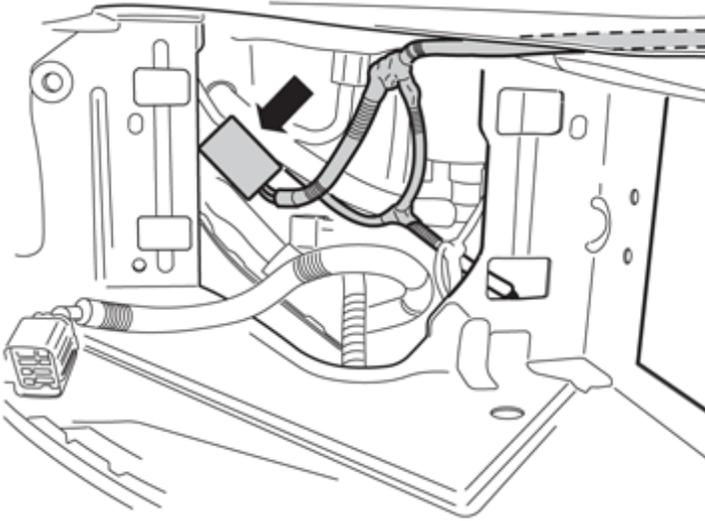
Undo the front ground screw inside the right-hand headlamp.
Connect the ground lead and tighten the screw to 10 Nm (7.3 lbf.ft).



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18

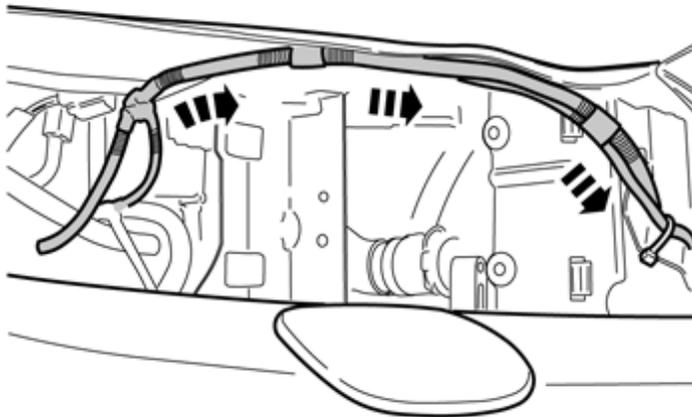


IMG-235806

Connect the relay to the cable harness.

Secure the relay and socket onto the car's existing cable harness using two tie straps.

19



IMG-266189

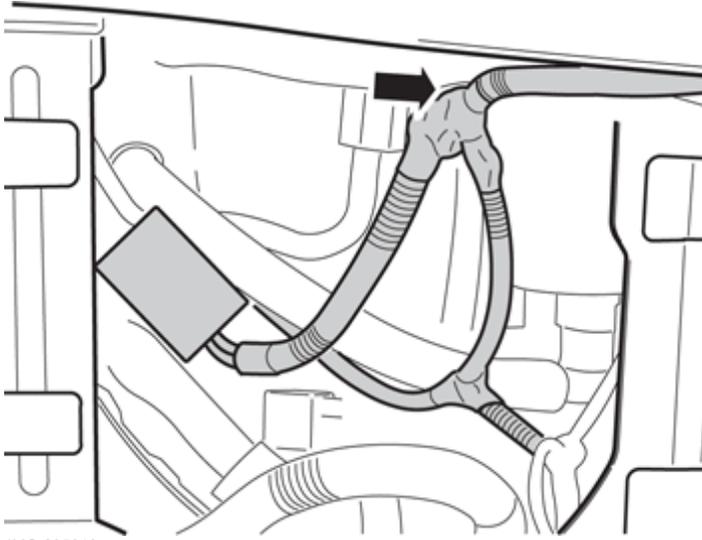
Route the cable harness under the front plate.



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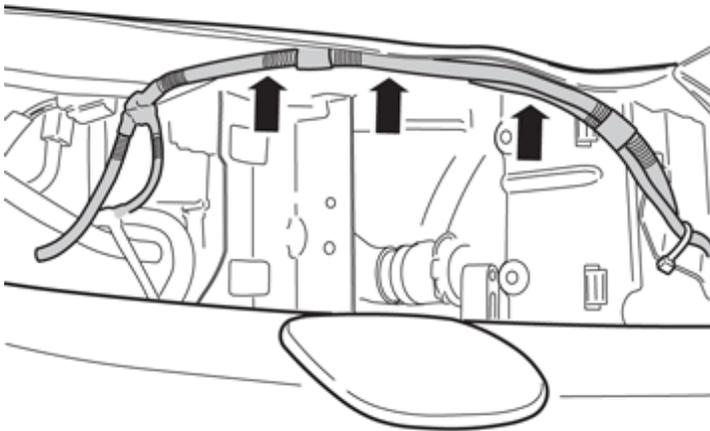
20



IMG-235810

Secure the cable harness branching point at the rear edge of the front plate using butyl tape.

21



IMG-235811

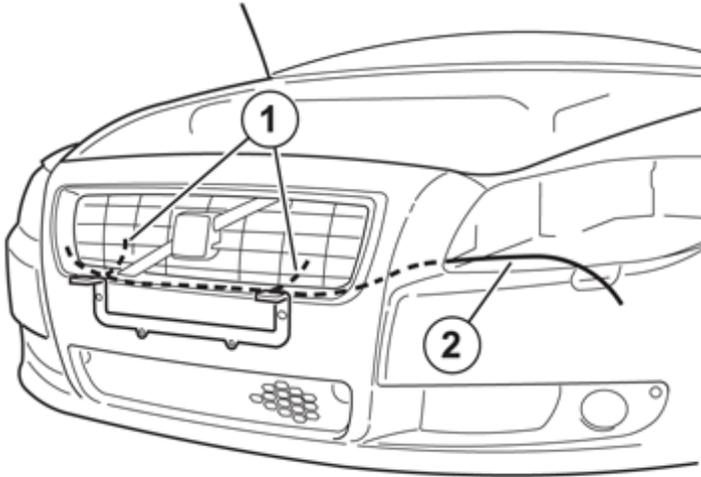
Secure the cable harness under the front plate using butyl tape.



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22



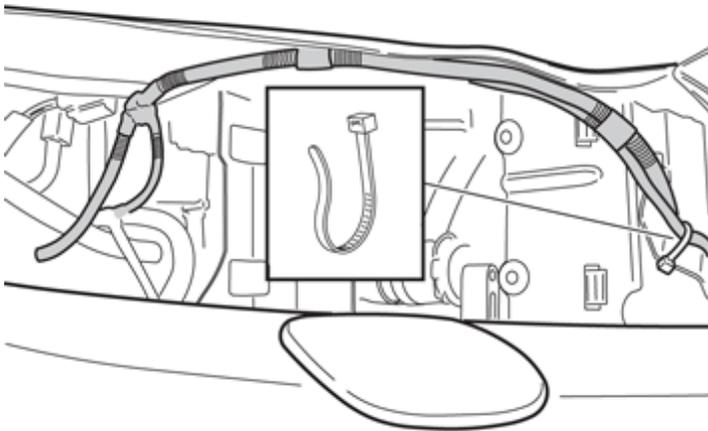
Route the cables taped together from below, black and blue cable out through the grille (1) at the auxiliary lights' mounting points, red cable, out at the left-hand headlamp (2).

Applies to cars with intercooler (turbo)

Route the cables using a wire or string.

IMG-235812

23



Secure the cable harness using a cable tie at the horn's bracket.

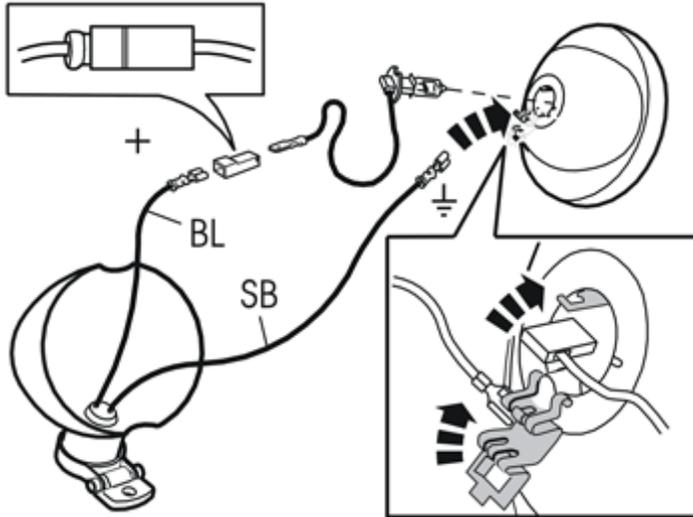
IMG-235906



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24



R3501571

The illustration shows an outline of the connection of the auxiliary lights. See the separate instructions for the complete method.

Thread the cables through the lamp housing.

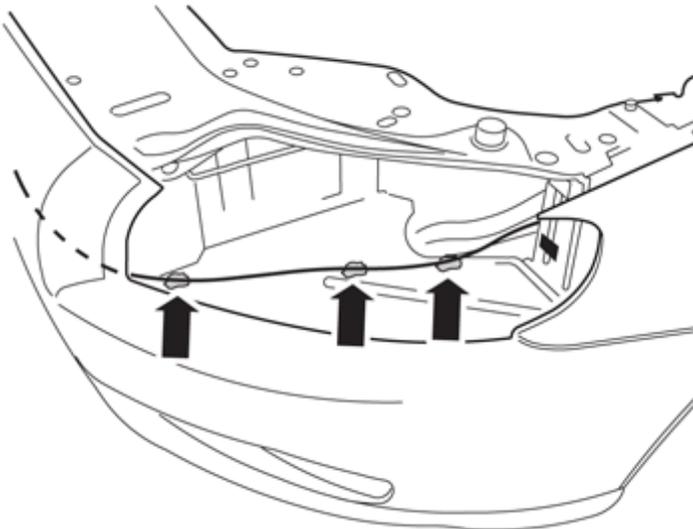
Install cable terminals onto both cables.

Fit a socket housing to the blue (BL) cable to avoid short circuits.

Connect the blue (BL) cable to the lamp's cable.

Connect the black (SB) cable to ground on the light insert.

25



IMG-235916

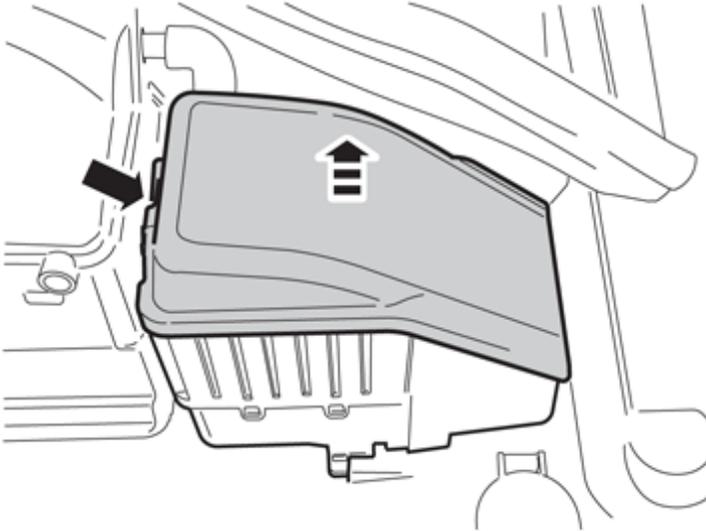
Route the cable harness to the fuse holder. Secure the cable harness using butyl tape.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

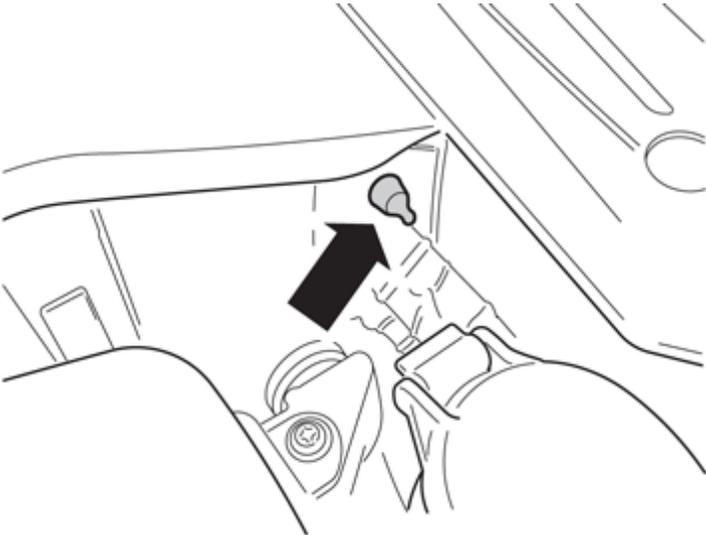
26



IMG-235917

Release all catches and lift the fuse/relay holders up at the same time.

27



IMG-235922

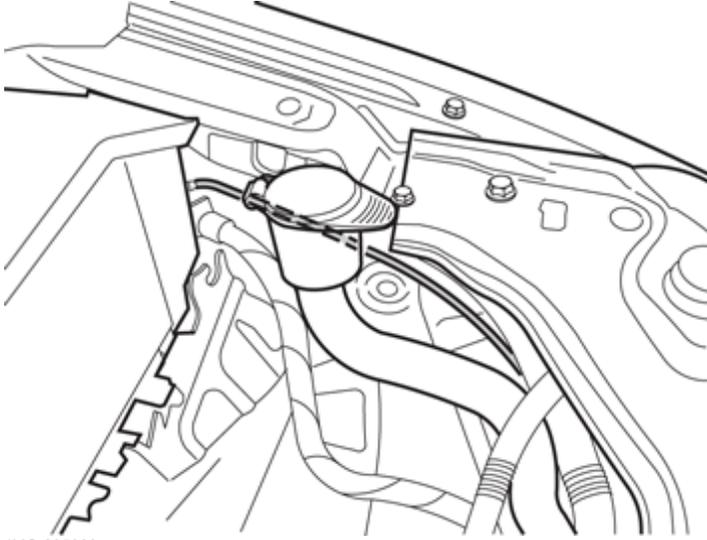
Cut off the rubber teat.



Installation instructions, accessories

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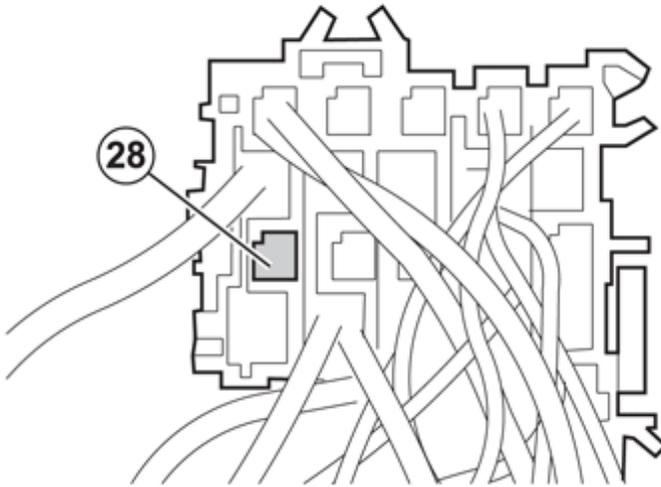
28



IMG-235923

Thread the cable harness through the rubber grommet.

29



IMG-235924

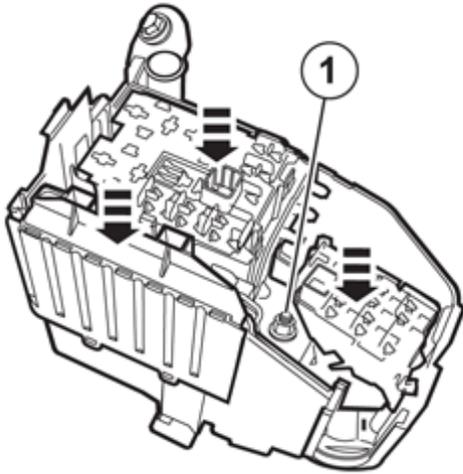
Turn the left-hand fuse holder over. Install the red (RD) cable in position 28.



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30



IMG-235925

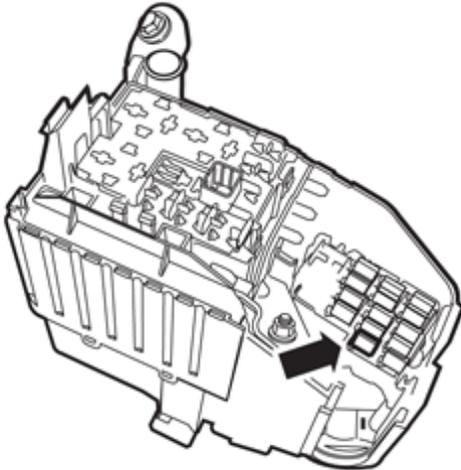
Reinstall the detached components in reverse order.

Note!

Check that guides and rubber seals are fitted correctly, and that the cables do not become trapped.

Reinstall the nut (1), tightening torque: 10 Nm (7.3 lbf.ft).

31



IMG-235927

Install the fuse in position 28.

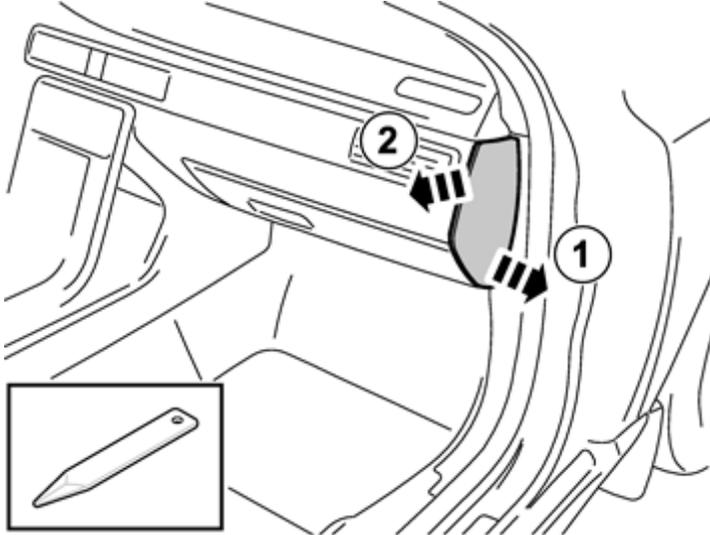
Reinstall the cover.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

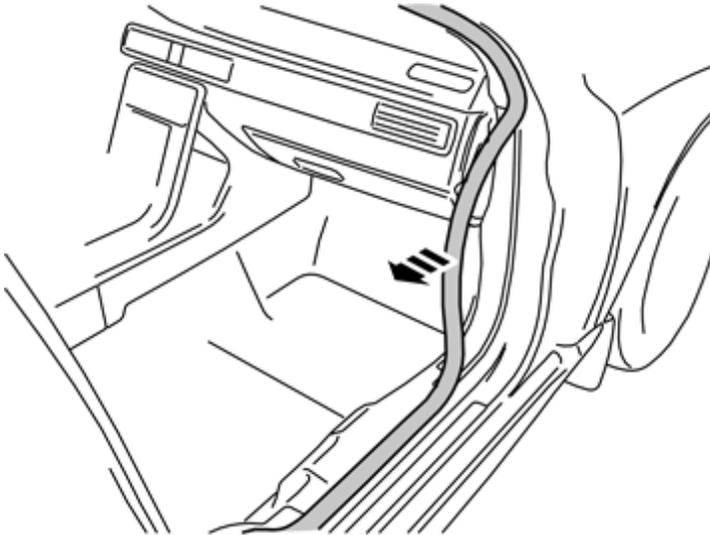
32



IMG-239420

Remove the right end panel of the dashboard.

33



IMG-222267

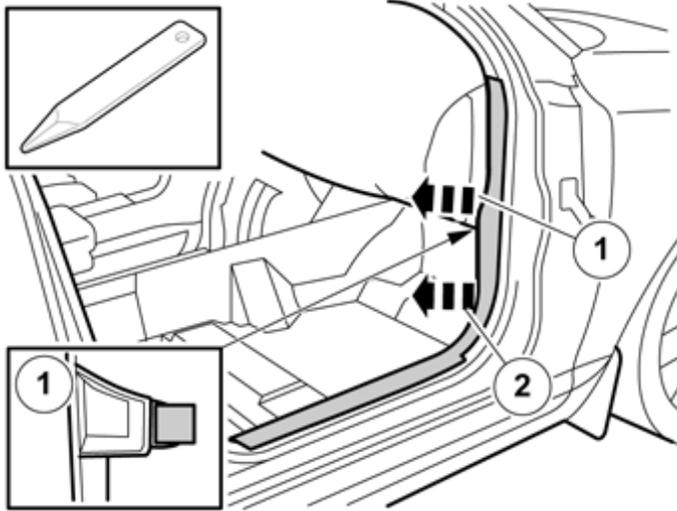
Detach the moulding on the front edge of the door opening.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

34



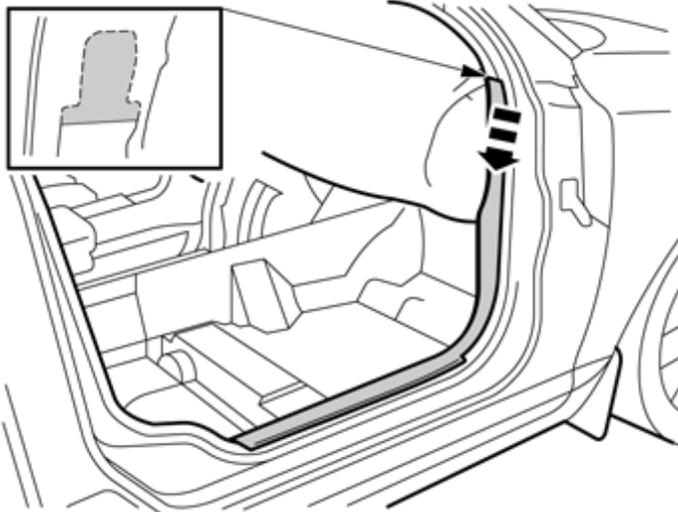
IMG-317663

Note!

The front and upper sill panel must be removed and installed as one unit.

Pull the sill panel backwards with a weatherstrip tool so that the two clips release.

35



IMG-317664

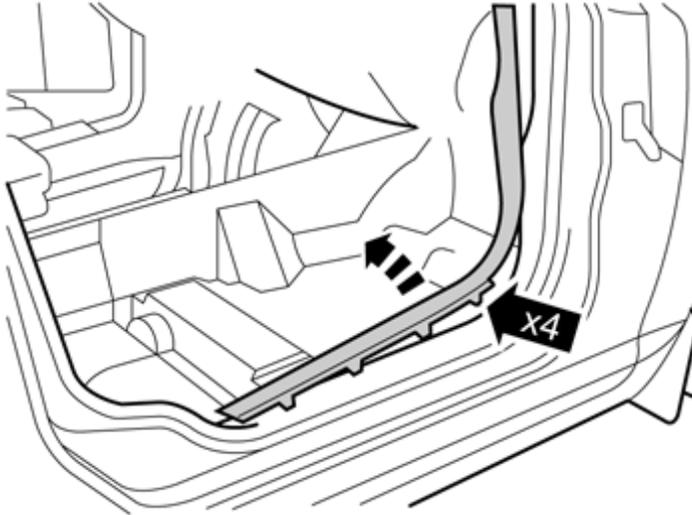
Unhook the panel at the top.



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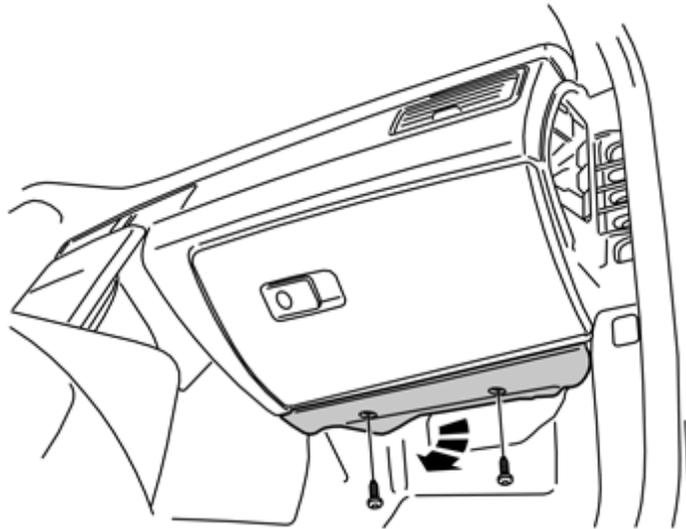
36



Pull up so that the four clips release.

IMG-319003

37



Remove the screws and the panel.

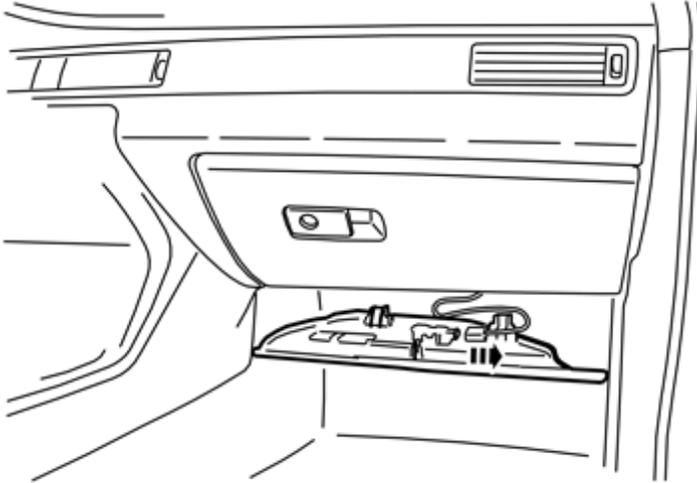
IMG-222268



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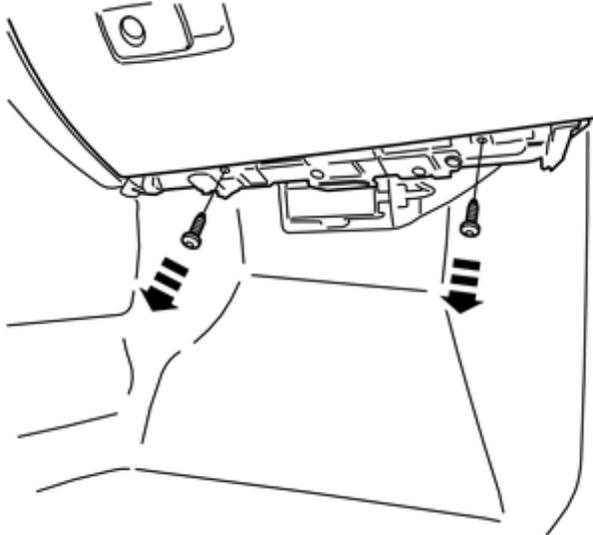
38



Unplug the connector for the lighting.

IMG-222270

39



Remove the two screws.

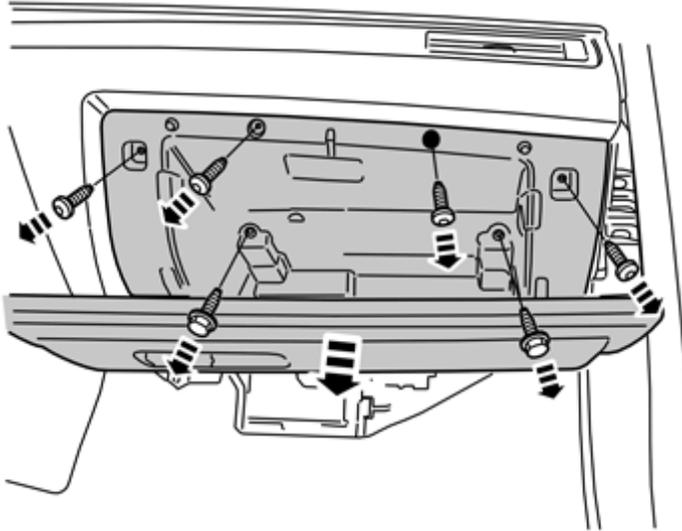
IMG-225205



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40



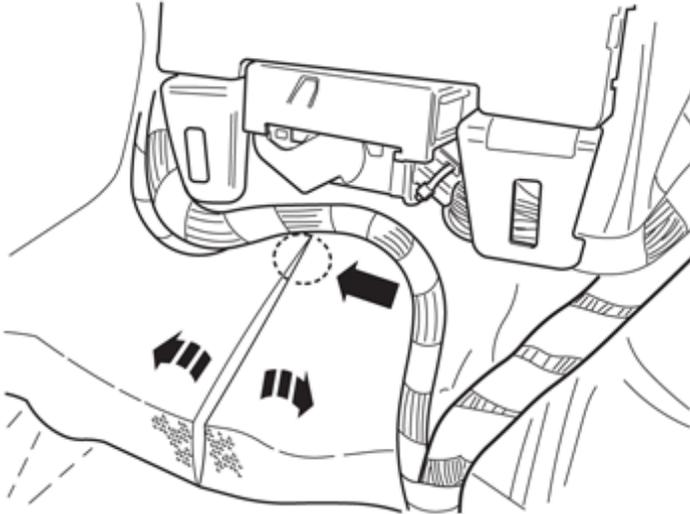
IMG-225201

Remove the seven screws.

Pull the glovebox out slightly and unplug the grey connector on the rear side.

Remove the glovebox.

41



IMG-239483

Move the carpeting aside. Make a cut in the thick insulating mat starting level with the blue connector of the central electronic module (CEM) and then continue straight down.

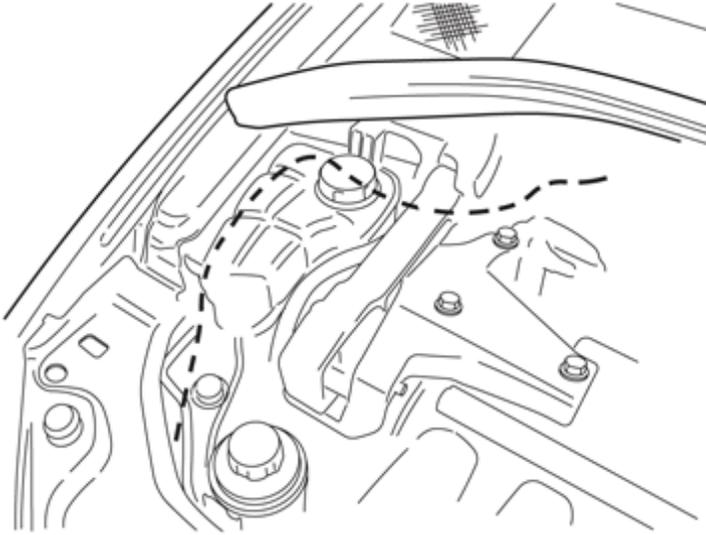
Move aside the insulating mat to access the grommet.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

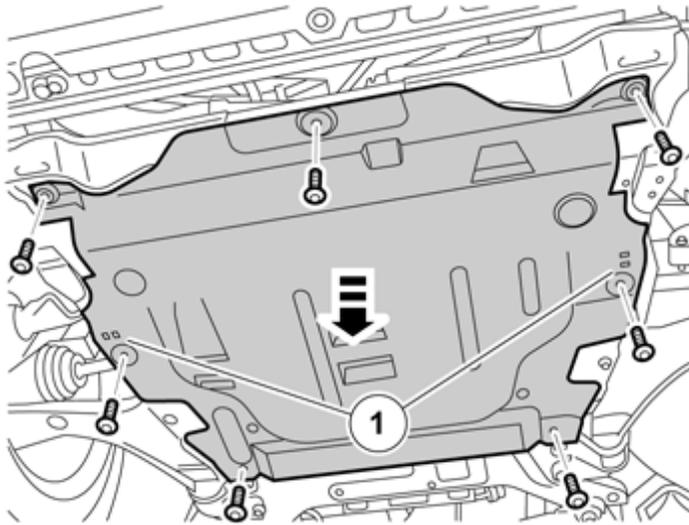
42



IMG-235947

Route the green (GN) cable backwards and down to the rubber grommet.

43



IMG-266223

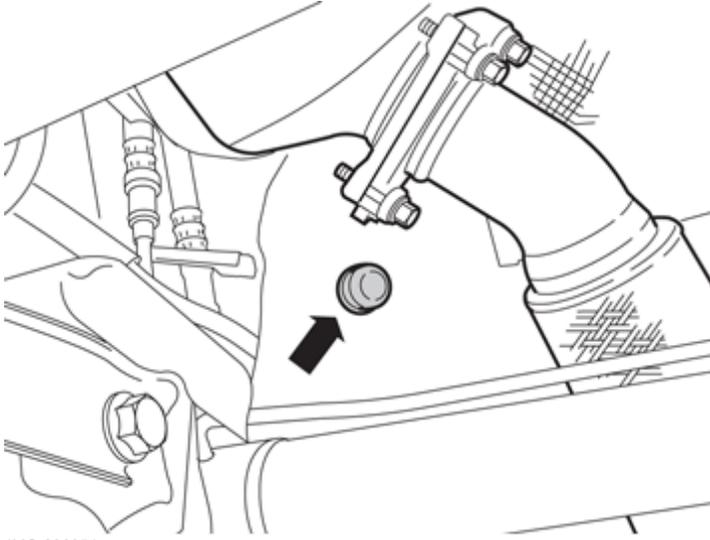
Raise the car and remove the engine splashguard. Secured by hooks on the inside of the engine splashguard by the screws (1).



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44

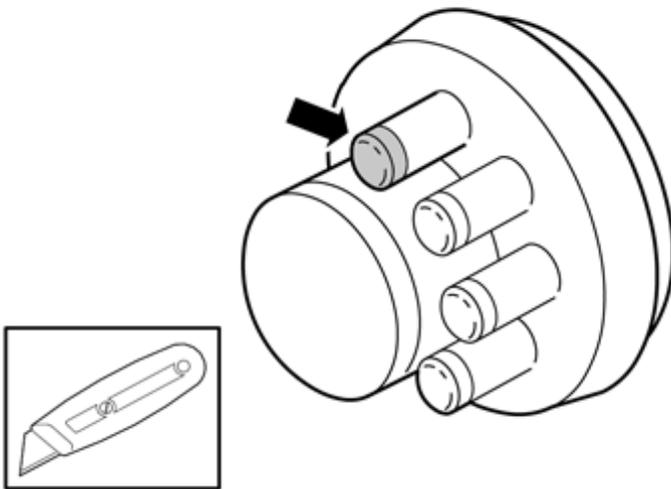


IMG-236054

Remove the existing rubber grommet.

On certain engine versions the grommet is hidden by a heat shield.

45



IMG-235950

Cut off a small rubber teat on the new rubber grommet and thread through the cable. Route the cable into the passenger compartment.

Install the rubber grommet.

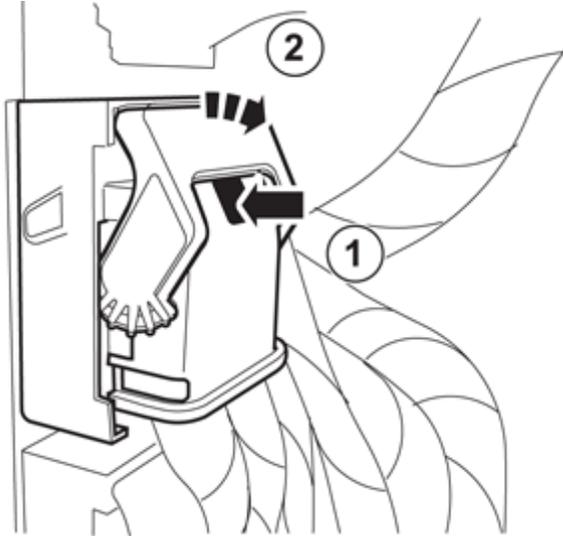
Reinstall the engine splash guard and the cover panel.



Installation instructions, accessories

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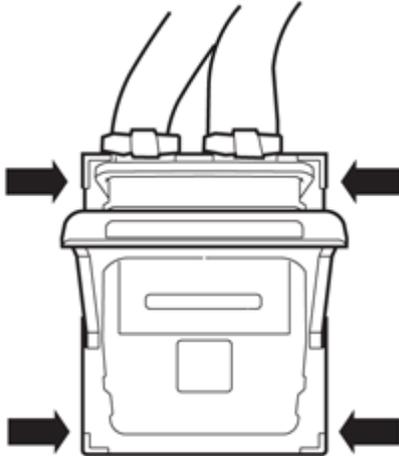
46



Unplug the green connector on the Central Electronic Module (CEM).

IMG-235952

47



Remove the connector's cover by lifting the four hooks.

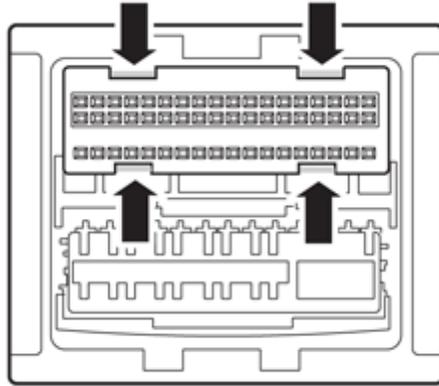
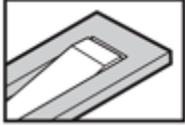
IMG-235953



Installation instructions, accessories

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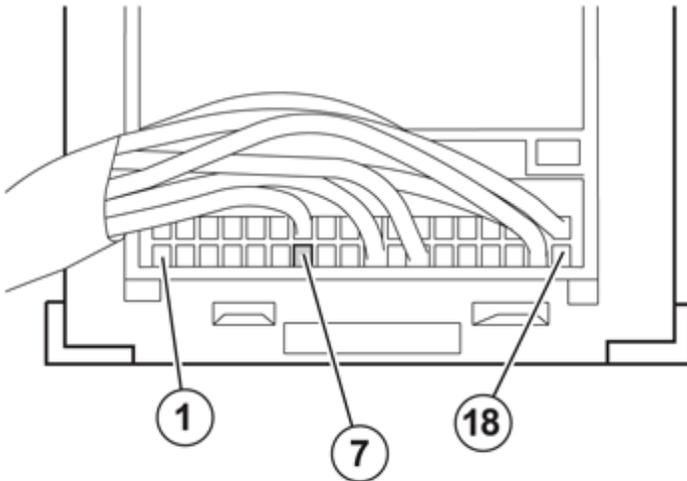
48



Lift at the four hooks and remove the catch.

IMG-235954

49



Applies to vehicles manufactured up to and including chassis number:

S80-122408

V70-140418

XC70-81468

Connect the green (GN) cable to position 7.

Reinstall:

the catch

the cover

the connector.

Fold back the carpet.

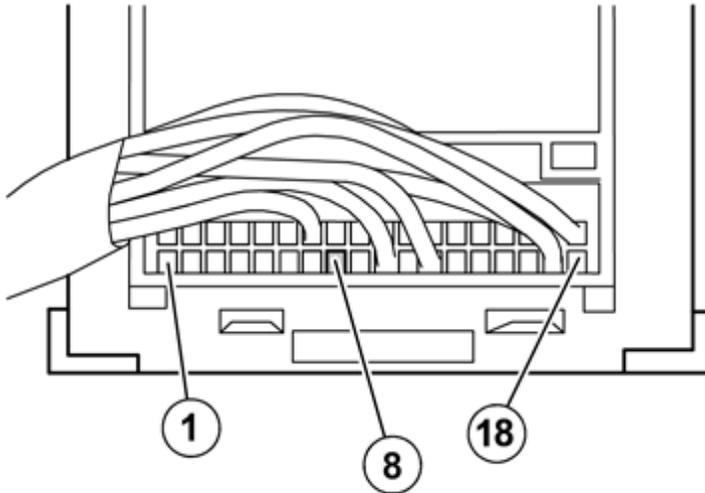
IMG-235955



Installation instructions, accessories

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50



IMG-338140

Applies to vehicles manufactured from and including chassis number:

S80122409-

V70140419-

XC7081469

Connect the green (GN) cable to position 8.

Reinstall:

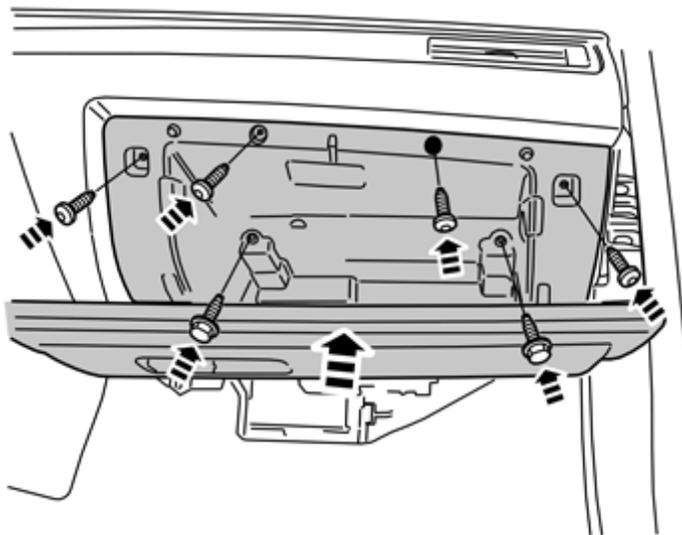
the catch

the cover

the connector.

Fold back the carpet.

51



IMG-225269

Applies to all models

Installing the glovebox

Reinstall the glovebox and torque tighten the M6 screws to 10 Nm (7.5 lbf.ft).

Connect the connector to the reverse of the glovebox.

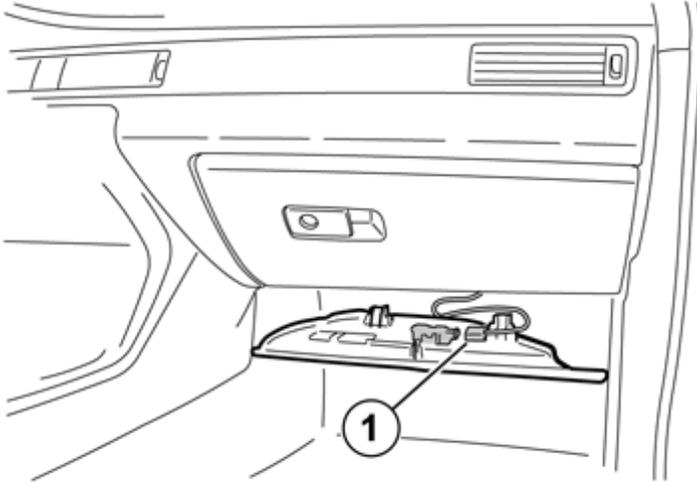
Install the screws in the lower edge.



Installation instructions, accessories

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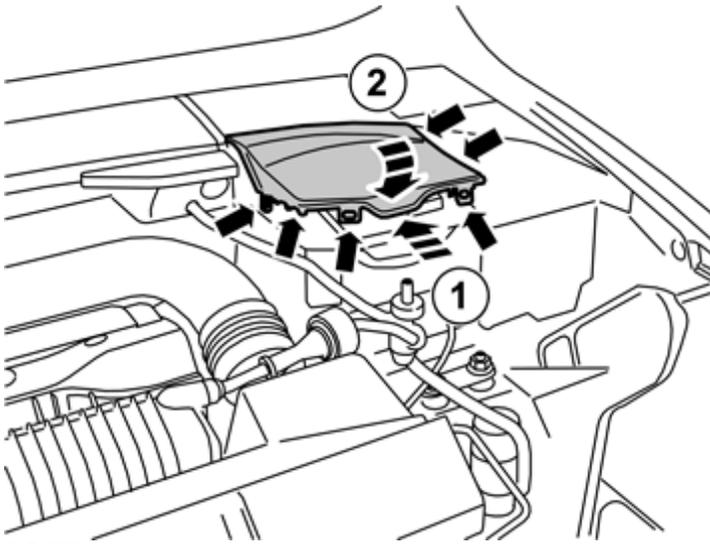
52



Connect the connector (1) to the courtesy lighting and reinstall the panel.

IMG-240540

53



Connect the battery negative lead.
Reinstall the battery box cover.

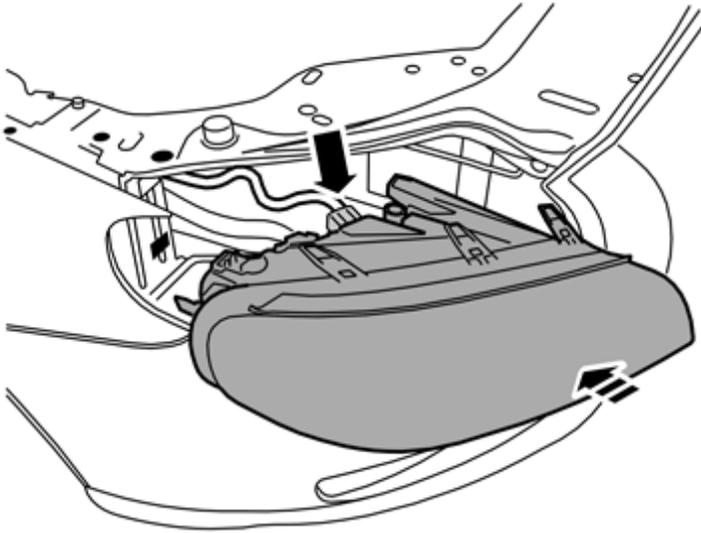
IMG-222344



Installation instructions, accessories

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54A

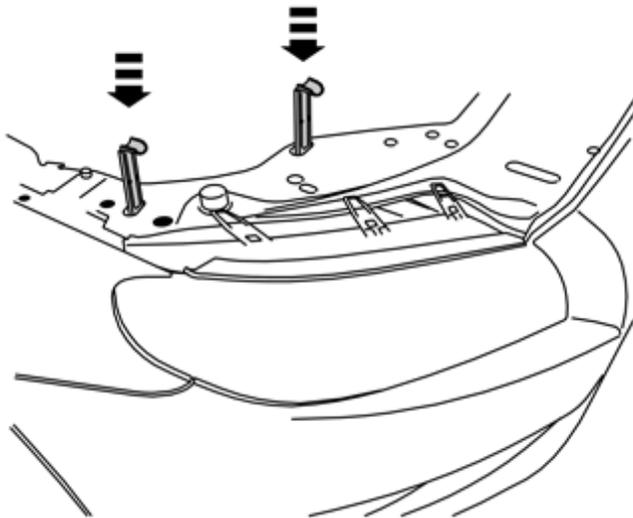


Illustrations A and B

Reinstall the headlamps.

IMG-232602

54B



IMG-232603

55

Reinstall:

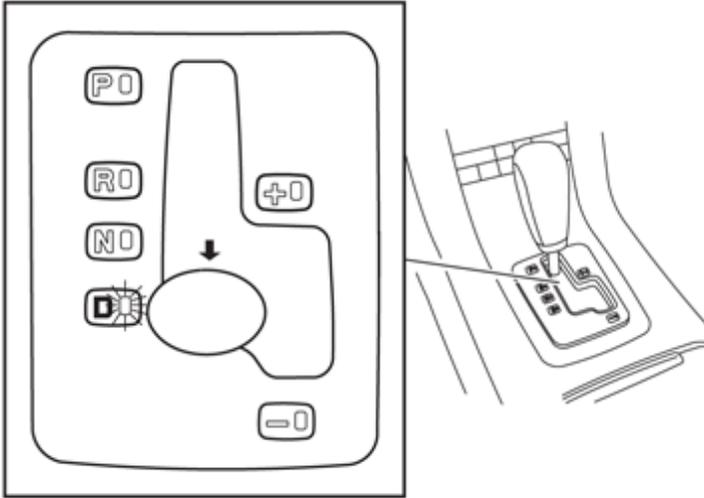
- the front sill trim panel
- the sealing strip
- the rear sill trim panel
- the end face panel.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

56

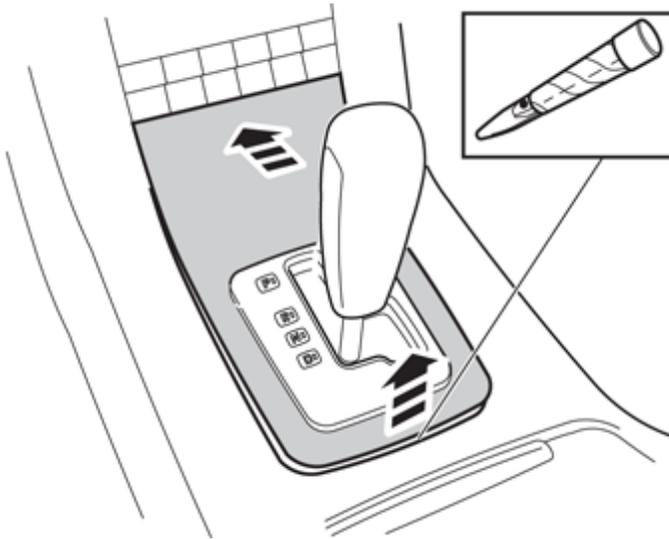


IMG-236040

Applies to cars with automatic gearbox

Move the gear selector to position D.

57



IMG-236045

Press the panel in at the front edge.

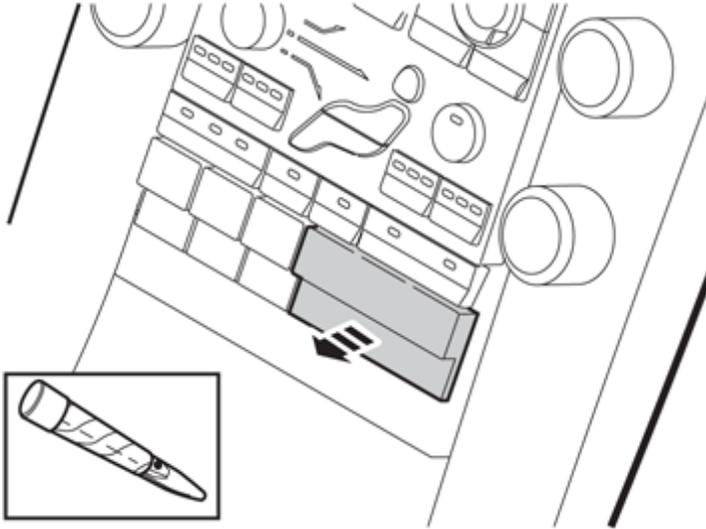
Lift the panel at the rear edge and remove it.



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

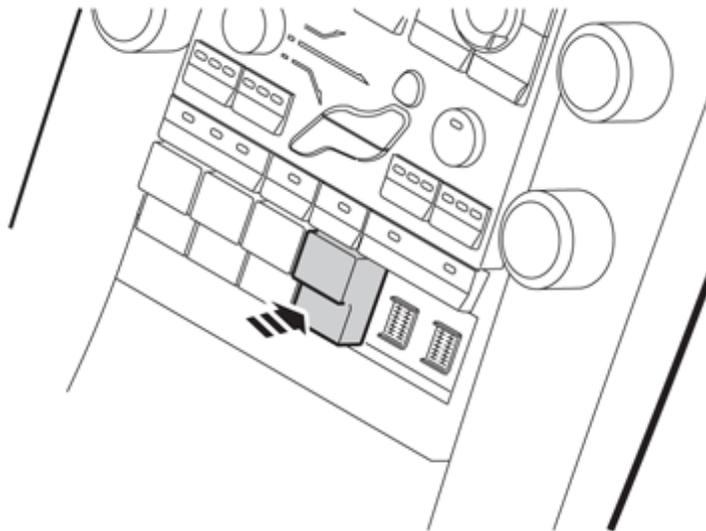
58



IMG-236046

Remove the cover.

59



IMG-236047

Install the new switch. It must be fitted in the first available button location seen from the steering wheel.

Note!

Cover plugs are purchased separately.

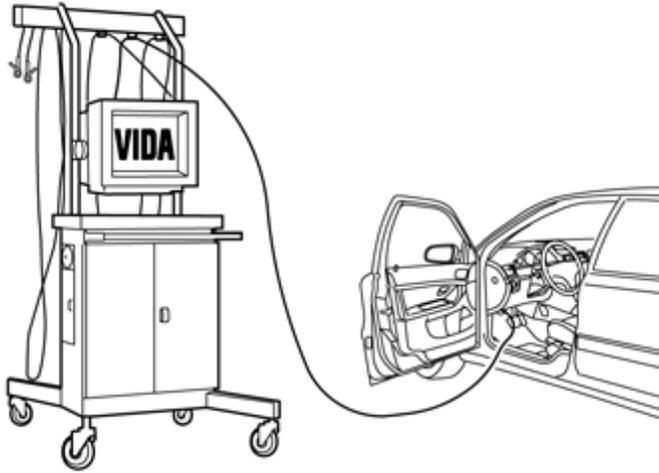
Reinstall the gear selector panel.



Installation instructions, accessories

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60



Programme the software in accordance with the service information in VIDA.

IMG-242268