



Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

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30772046

Version
1.1

Part. No.
30745701

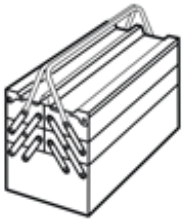
Auxiliary lights, installation kit, S60/V70



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Equipment



A0000162

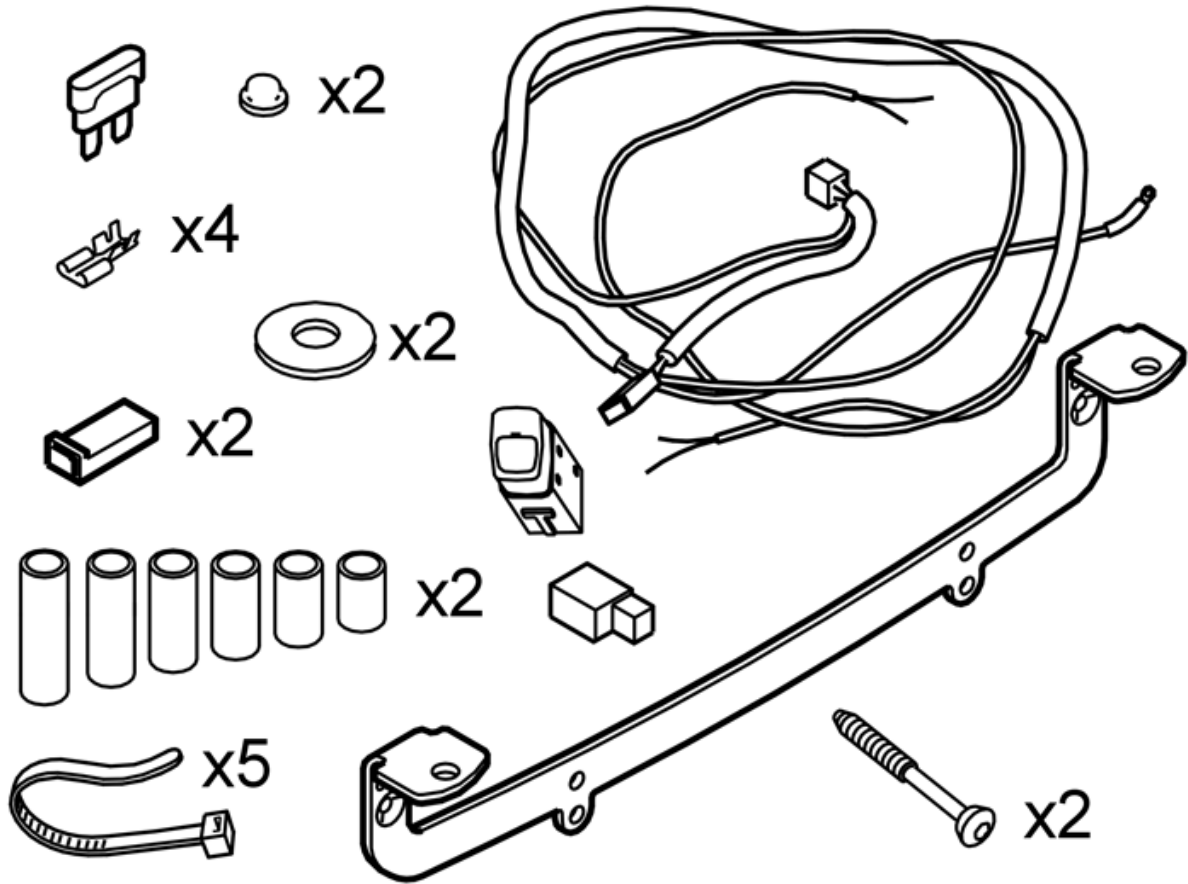


A0000163



8633152

A0000236



IMG-214022



Installation instructions, accessories

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Any comments on this publication? Please contact your nearest retailer. Thank You!		
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IMG-213320



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.

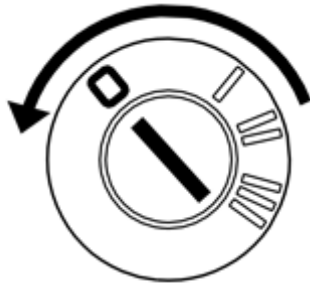
In the event of any problems with the instructions or the accessory, contact your local Volvo dealer.

Note!

Auxiliary lamps Alpha 175 (P/N 9166090) are recommended for this installation kit.

Preparations, front

1



IMG-214981

Preparations, front

Applies to cars with manual gearboxes:

Turn the ignition key to position "0", and take the key from the ignition switch.

Applies to cars with automatic gearboxes:

Turn the ignition key to position "I".

Applies to all cars:

Disconnect the battery negative lead.

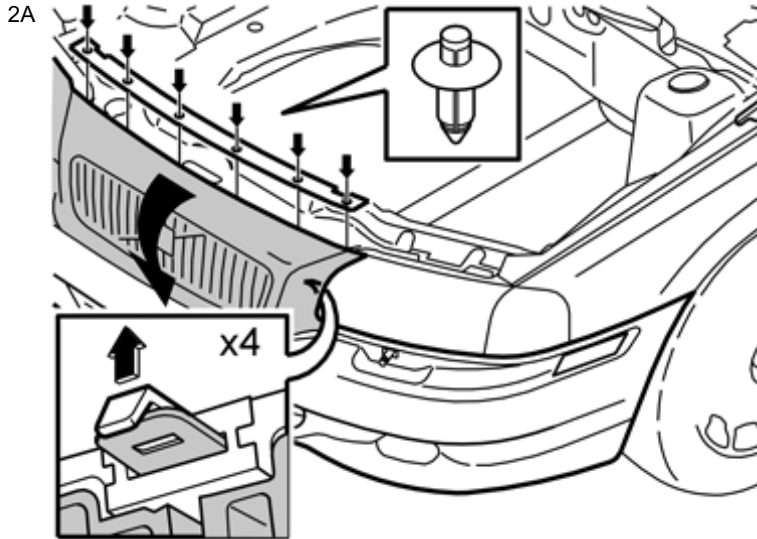
Note!

Wait at least five minutes before disconnecting the connectors or removing other electrical equipment.

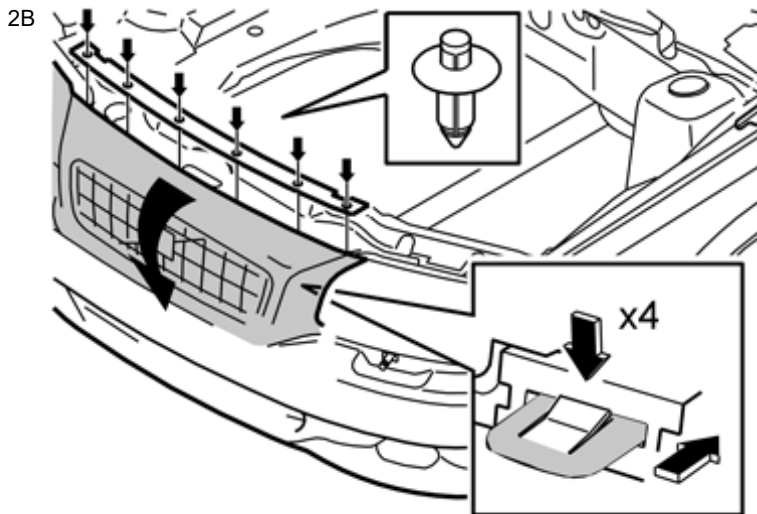


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Illustration A applies to the V70

Illustration B applies to the S60 and XC70

Press in the centres of the six clips until a click is heard.
Remove the clips.

Pull the top edge of the front forward.

Put your hand into the inside and press the four catches, which are evenly spaced along the top edge, either up (applies to the V70, illustration A) or down (applies to the S60 and XC70, illustration B). Use a weatherstrip tool if necessary.

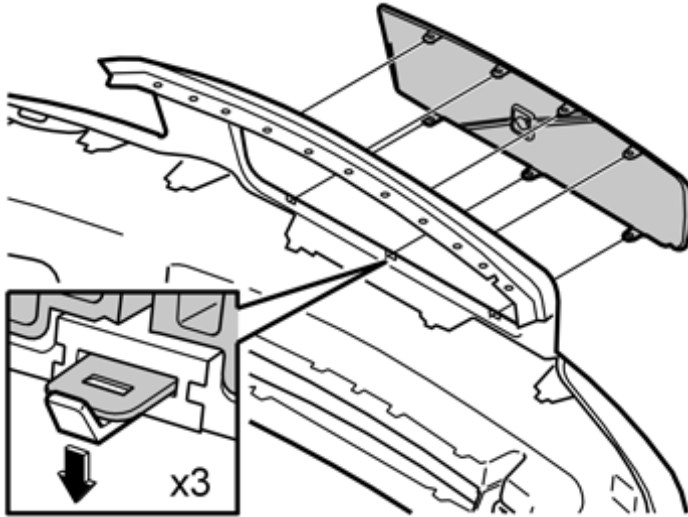
Pull the front grille at the top until the catches release.



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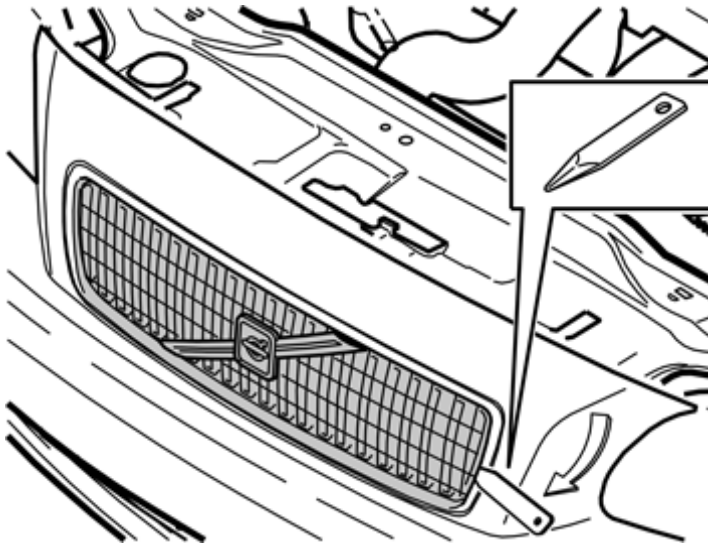
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3A



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3B



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Illustration A applies to the V70

Detach the front grille at the bottom by inserting a small screwdriver between the openings and pressing the three catches down.

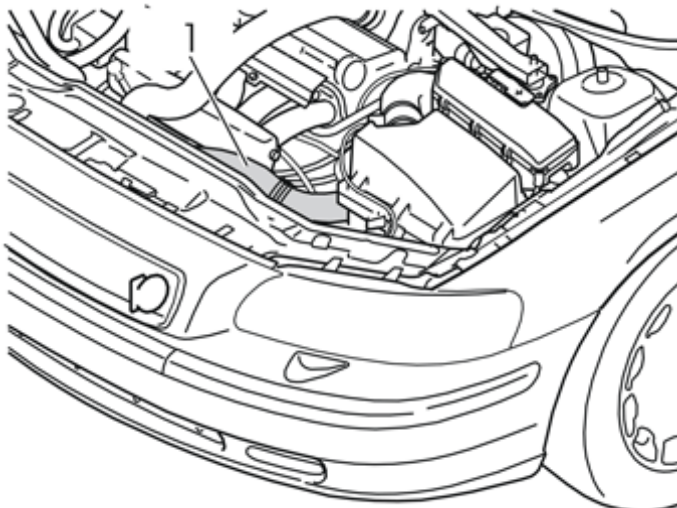
Remove the front grille and place it to one side.

Illustration B applies to the S60 and XC70

Take a plastic weatherstrip tool and insert it between the front grille and bumper cover, and carefully prize the front grille away along the whole of the bottom edge. It is secured with three catches.

Remove the front grille and place it to one side.

4



M2501081

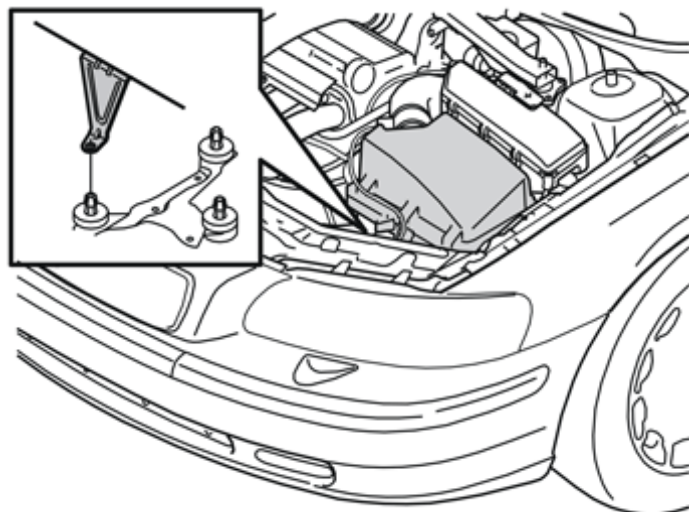
Remove the intake manifold (1).



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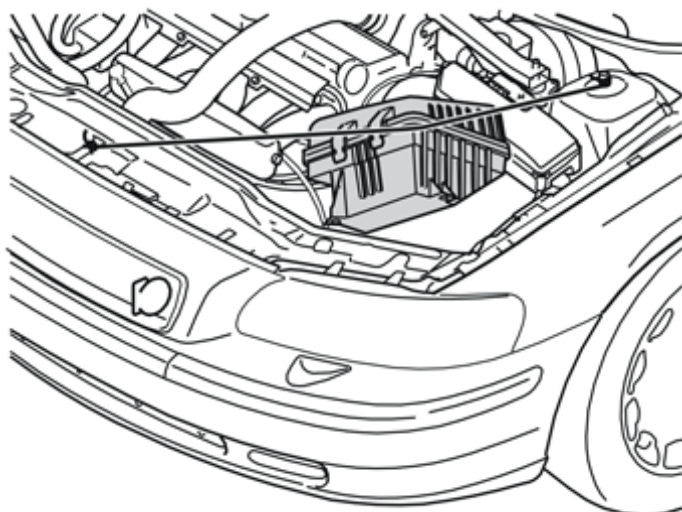
5



Lift up the air cleaner (ACL) module by detaching it from its three mountings: one at the rear, one in the front and one at the left-hand end face. Use a small socket with an extension to press the four catches together, and detach the air cleaner (ACL) module.

M2000292

6



Move the air cleaner (ACL) module aside and affix it using a cord for example, as illustrated.

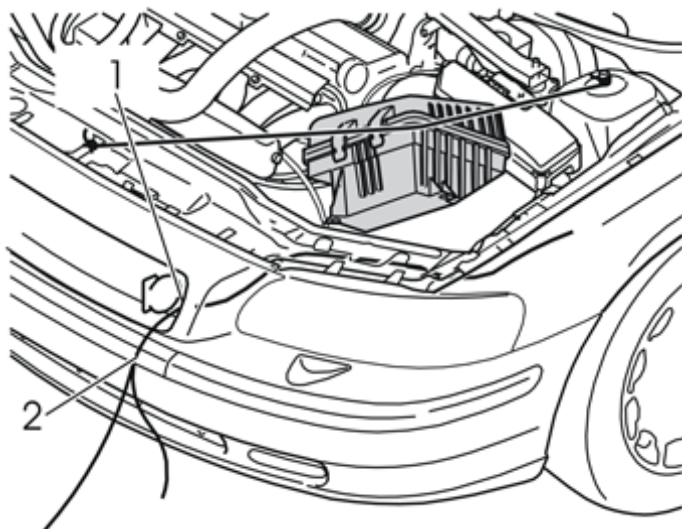
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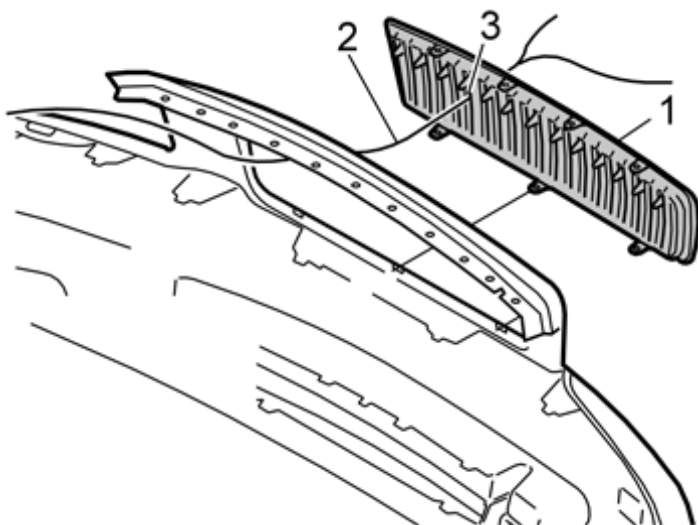


M3501100

Move the rubber seal (1) aside, on the left-hand side behind the front grille. Take the cable harness (2) from the kit and position it in the engine compartment. Following which, route the cable harness to the left of the headlamp at the top and through the cut-out in the body at the rubber seal.

Move the rubber seal back, and make sure that it seals firmly.

8A



M8200157

Illustration A applies to the V70

Grip the front grille (1) and guide the cable harness (2) through the sixth hole (3), counting from the left-hand headlamp.

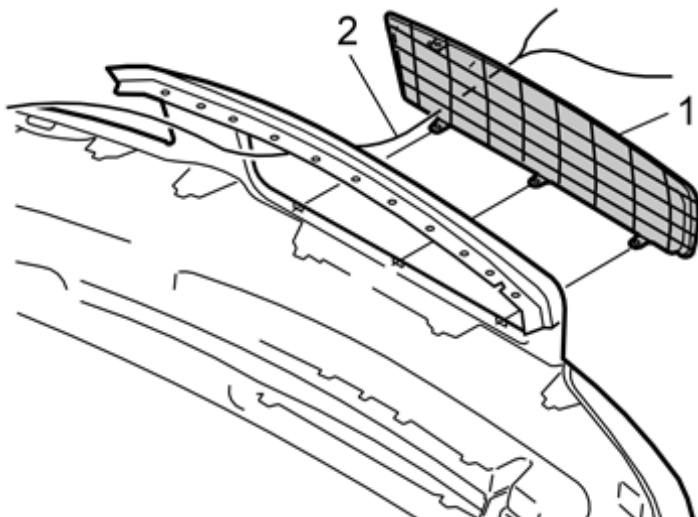
Illustration B applies to the S60 and XC70

Grip the radiator grille (1) and guide the cable harness (2) through the second hole at the bottom, counting from the left-hand headlamp.

Applies to all models:

Reinstall the front grille and the clips which hold the front at the top.

8B



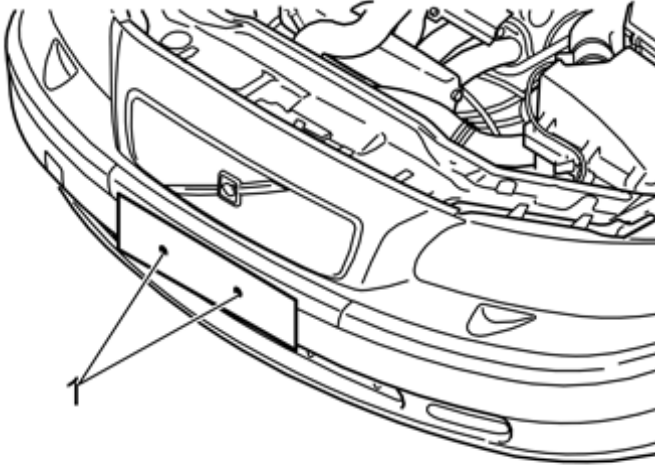
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Remove:

the number plate

the screws (1) for the number plate, and detach it.

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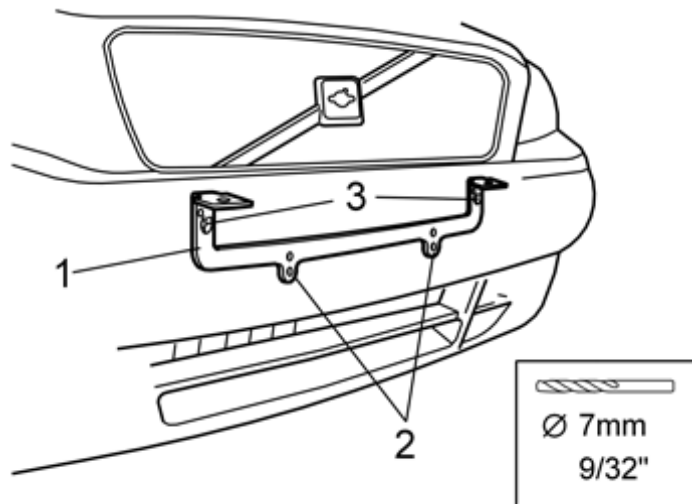
Installation, auxiliary lights



Installation instructions, accessories

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10



M8600600

Installation, auxiliary lights

Take the auxiliary lights bracket (1) from the kit and secure it in the holes (2) for the number plate holder.

S60 and V70: Use the lower holes in the bracket.

XC70: Use the upper holes in the bracket.

Drill with a $\varnothing 7$ mm (9/32") diameter drill bit right in the centre of the holes (3) through the bumper cover and the bumper rail (which is located at different depths, depending on model):

Applies to cars up to and including model year -2004

S60: approx. 37 mm (1.46") behind the cover

V70: approx. 52 mm (2.05") behind the cover

XC70: approx. 51 mm (2.01") behind the cover

Note!

Hold the drill horizontally.

Applies to cars from model year 2005-

S60: approx. 58 mm (2.28") behind the cover

V70: approx. 61 mm (2.40") behind the cover

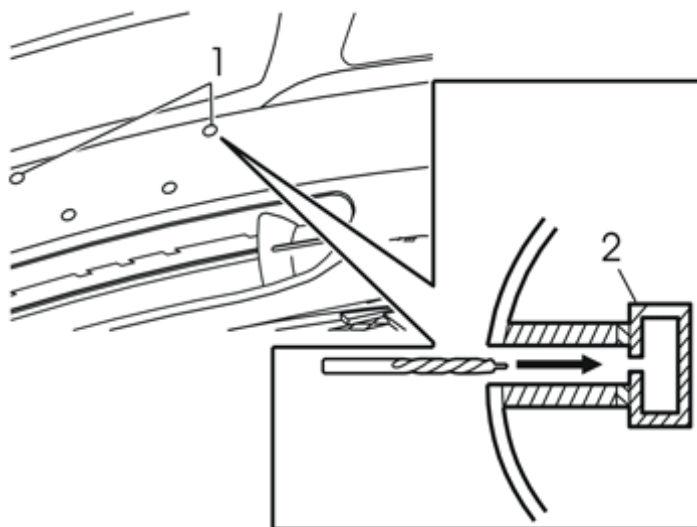
XC70: approx. 73 mm (2.87") behind the cover

Note!

Hold the drill horizontally.

Remove the screws and auxiliary lights bracket.

11



D3500968

Drill the holes (1) with a drill bit (P/N 8633152), through the plastic with the thicker section of the drill bit, and through the bumper rail (2) with the thinner section of the drill bit, which has the dimension $\varnothing 7.3$ mm (19/64").

Note!

It is important that the tip of the drill bit meets the hole that was previously drilled into the bumper rail.

The flat surface on the drill bit shall drill out all plastic up to the bumper rail.

Note!

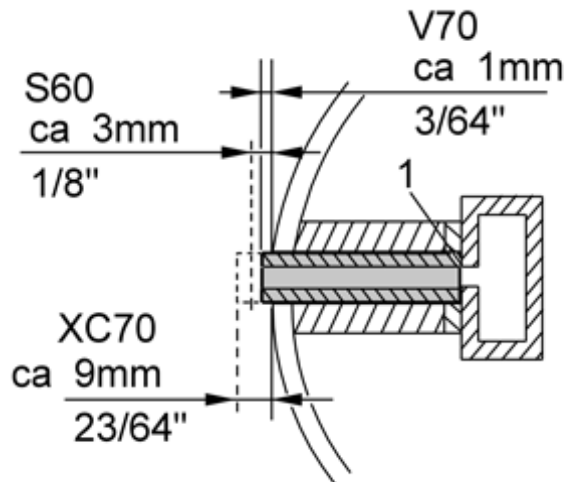
Hold the drill horizontally. Use a torch to check that there is no plastic swarf in the holes.



Installation instructions, accessories

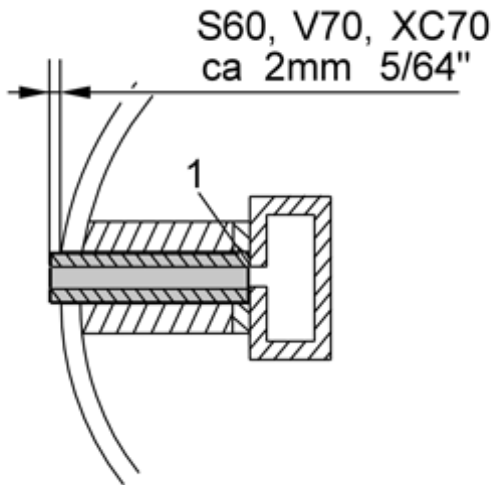
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12A



M8600658

12B



IMG-214040

Illustration A

Applies to cars up to and including model year -2004

Check that the surface (1), which the socket shall support against, is free from plastic.

Install the two spacer sleeves in the holes.

S60: Length approx. 40 mm (1.57")

V70: Length approx. 53.5 mm (2.11")

XC70: Length approx. 60 mm (2.36")

Note!

The spacer sleeves must protrude from the bumper cover at different lengths, depending on car model:

S60: approx. 3 mm (0.12") from the bumper cover

V70: approx. 1 mm (0.04") from the bumper cover

XC70: approx. 9 mm (0.35") from the bumper cover

Illustration B

Applies to cars from model year 2005-

Check that the surface (1), which the socket shall support against, is free from plastic.

Install the two spacer sleeves in the holes.

S60: Length approx. 60 mm (2.36")

V70: Length approx. 63.5 mm (2.5")

XC70: Length approx. 75 mm (2.96")

Note!

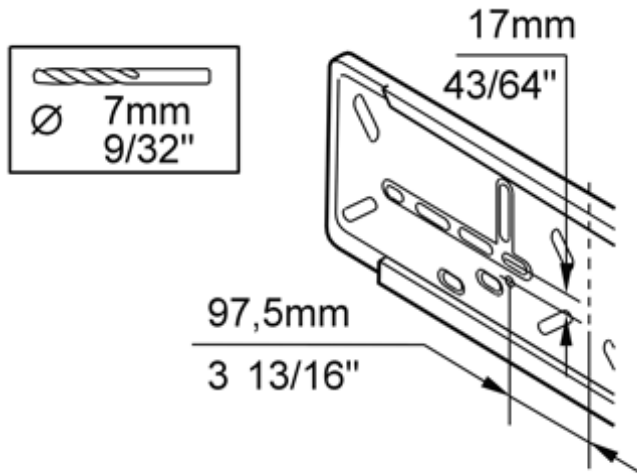
The spacer sleeves must protrude approx. 2 mm (0.08") from the bumper cover on all car models.



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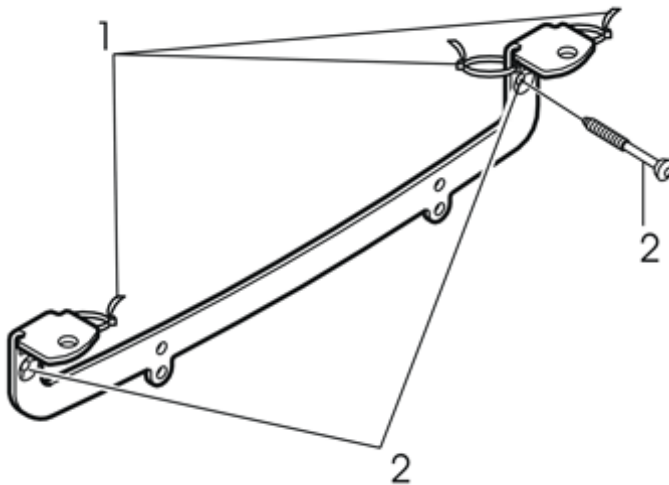


Only applies to the S60 and V70

Drill two new holes in the number plate holder, as illustrated.

M8600659

14



Affix tie straps (1) in the holes in the auxiliary lights bracket, but do not tighten.

Install the auxiliary lights bracket on the bumper using the screws (2) from the kit. Tighten loosely. The screws create their own threads in the drilled holes, which means that they may screw in stiffly.

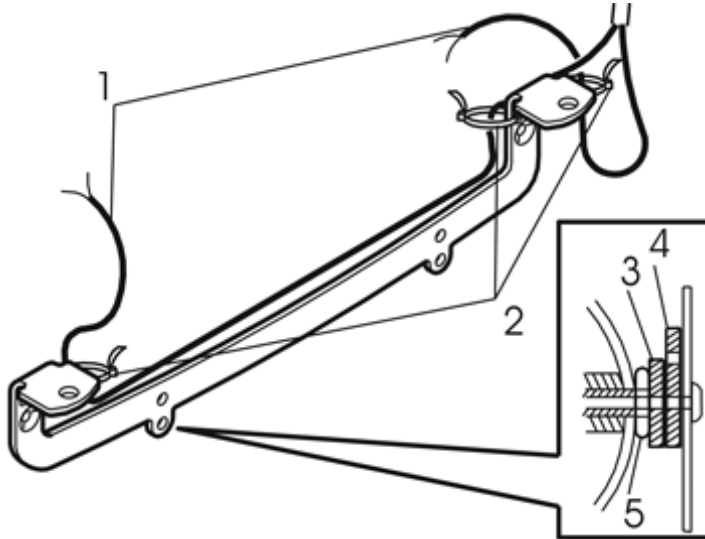
M3501038



Installation instructions, accessories

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M3501039

Guide in the two cable ends (1) in the three tie straps (2). Route the cables as illustrated.

Adapt the length of the cable to the lamps. Press back any excess length of the cable outside of the front grille in through the front grille.

Tighten the tie straps.

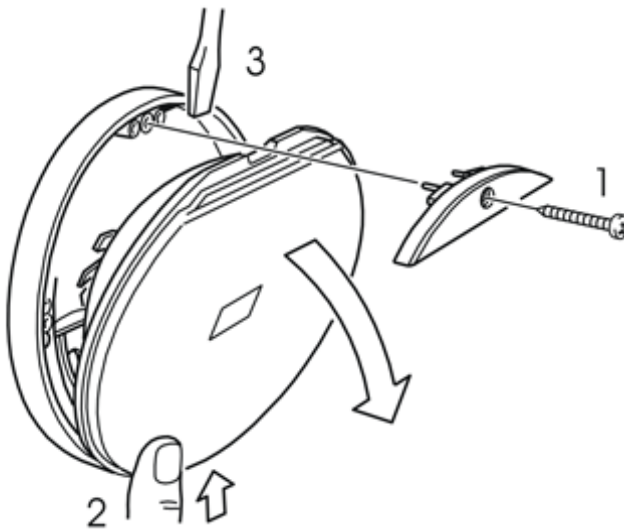
Note!

Tighten the two screws for the auxiliary lights bracket.

Install a spacer washer (3) between the auxiliary lights bracket (4) and the expander nut (5) on both sides.

Install the number plate and tighten it with the two screws.

16



A3500379

Use auxiliary lights which are recommended by Volvo dealers.

Remove the screw (1) and the cover.

Press lightly on the lens (2).

Fit a screwdriver (3) between the insert and the lamp housing, and prize carefully.



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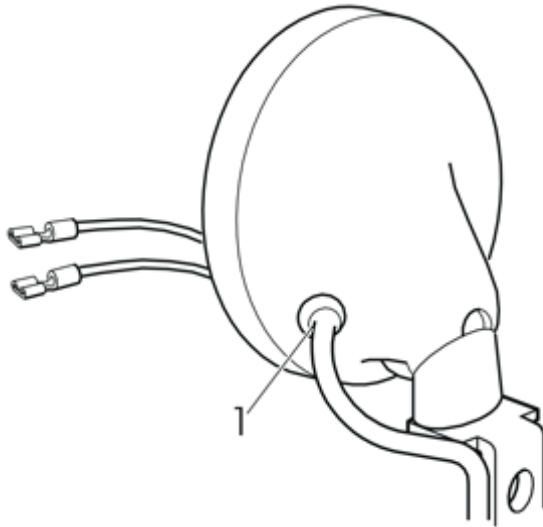
17



Install the lamp housing on the auxiliary lights mounting with screw and nut. Tighten manually.

M3501040

18



Route the cable harness (1) with rubber grommet (1) into the holes in the lamp housing.

Press the rubber grommet into the hole.

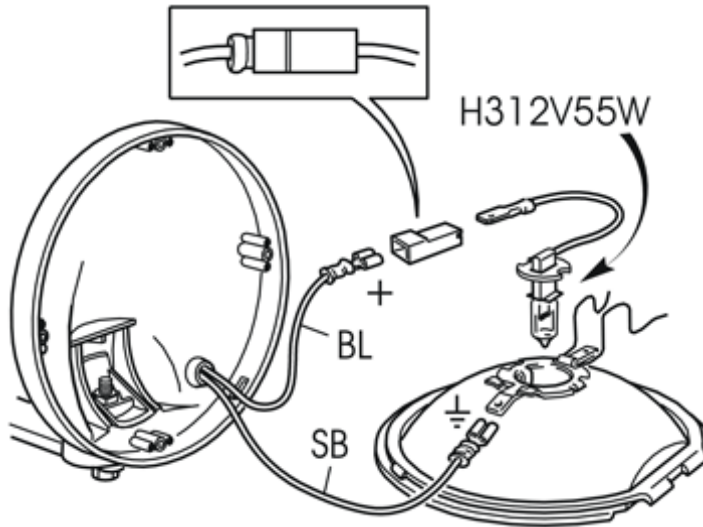
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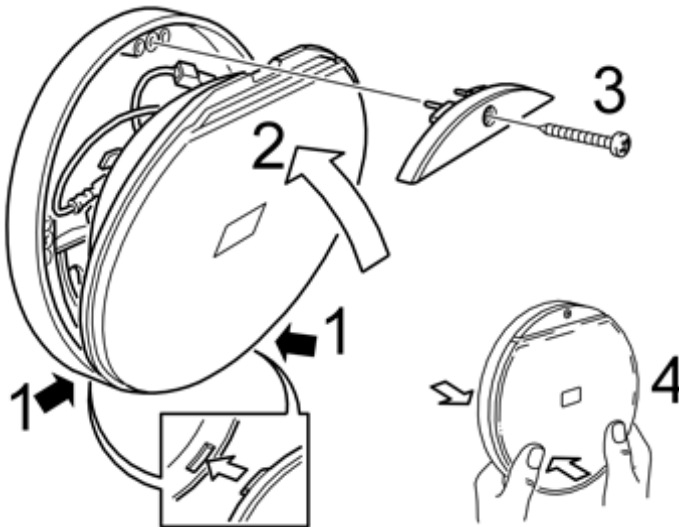


Connect the blue (BL) cable to the lamp's cable, with a connector socket housing in between.

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

D3500974

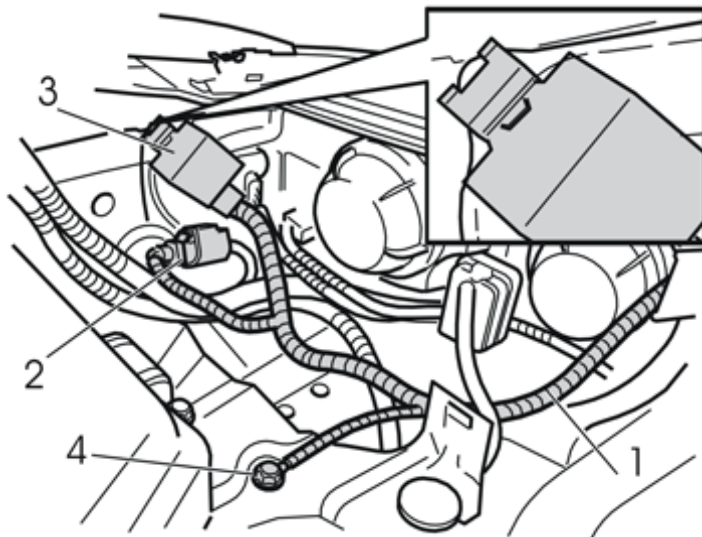
20



Assemble the auxiliary light, as illustrated.

A3500386

21



M3501101

Take the previously routed cable harness (1) and route it as illustrated.

Plug the connector (2) into the pre-routed connector.

Press in the relay (3) at the edge of the plate.

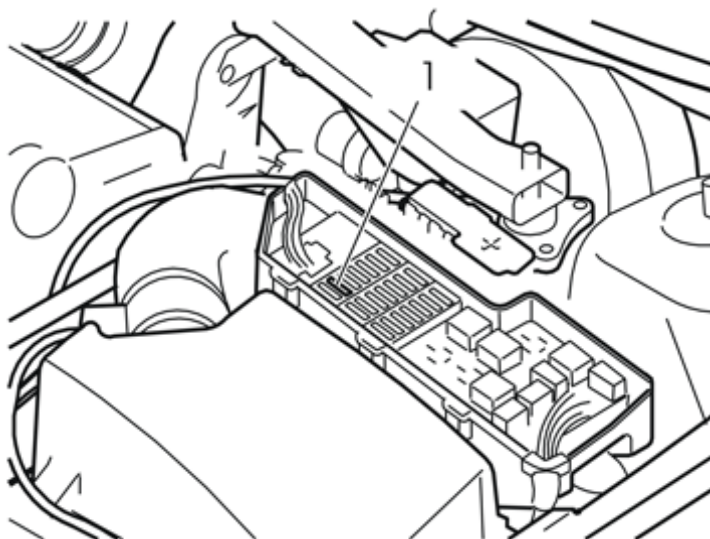
Detach the existing screw (4) in the air cleaner (ACL) module bracket and connect the ground cable. Pull any excess length of the cable through the front grille and clamp it with the existing cables behind the headlamp using tie straps from the kit.

Reinstall the air cleaner (ACL) module and the intake manifold.

Note!

Ensure that the wiring does not rub against sharp edges. If the wiring is rubbing, re-secure the wiring.

22A



M3702189

Illustration A

Applies to cars up to model year -2005

Remove the cover from the fuse box in the engine compartment. Install a 20A fuse in position 2 (1).

Reinstall the cover.

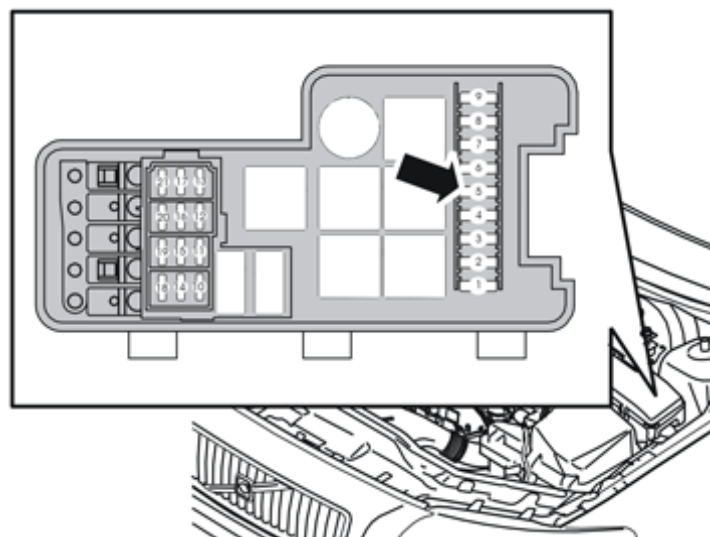
Illustration B

Applies to cars from model year 2006-

Remove the cover from the fuse box in the engine compartment. Install a 20A fuse in position 5.

Reinstall the cover.

22B



M3703369

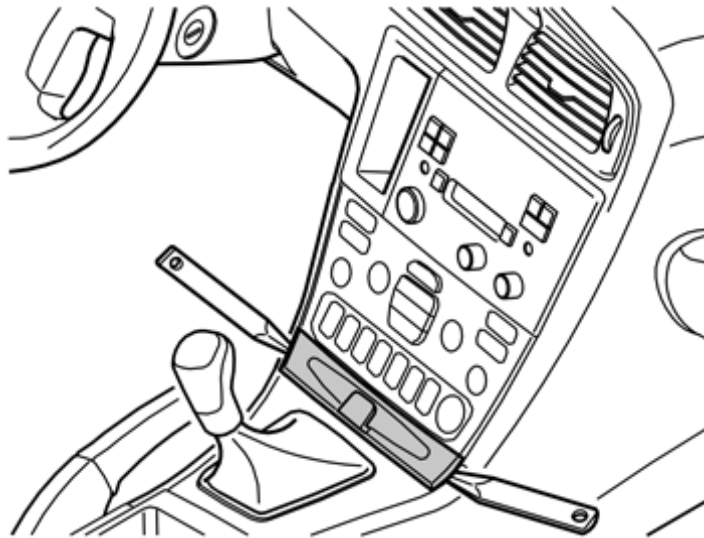


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Installing the switch, applies to cars up to and including model year -2004

23



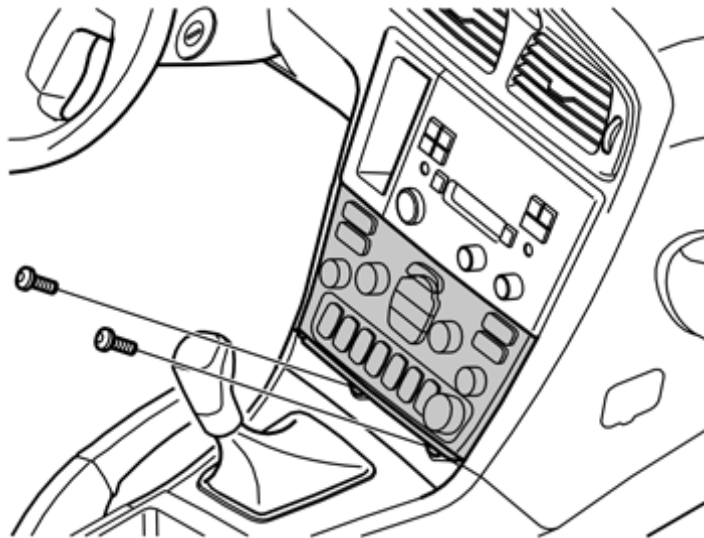
M8502988

Installing the switch, applies to cars up to and including model year -2004

Remove the panel in front of the gear selector lever. Pry off the panel using a plastic weatherstrip tool.

Apply the handbrake, and move the gear selector lever as far back as possible.

24



M8503027

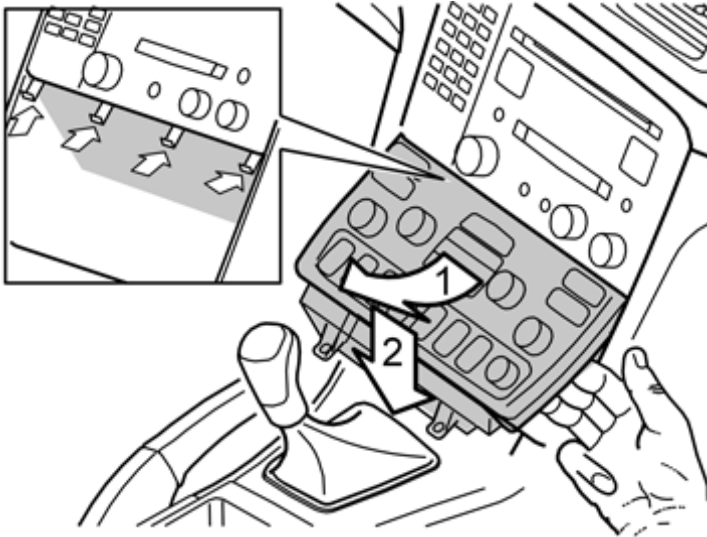
Remove the two screws from the dashboard environment panel.



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M8503045

Carefully angle the dashboard environment panel using a plastic weatherstrip tool, so that the short side of the dashboard environment panel can be gripped with a couple of fingers.

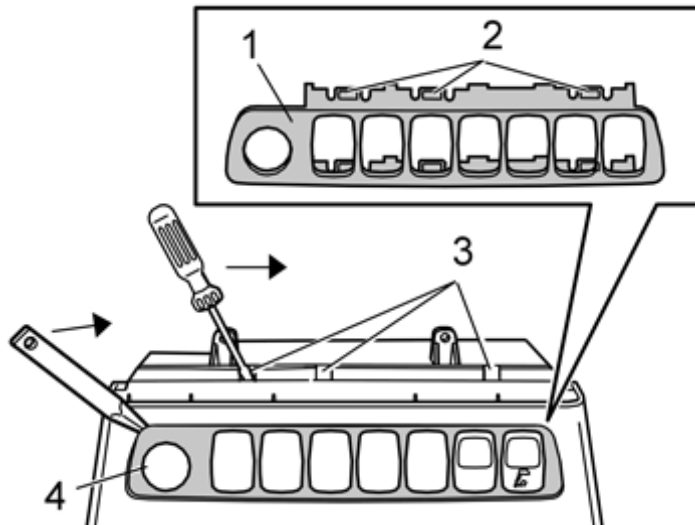
Remove the dashboard environment panel by pulling it straight down while maintaining the angle. The panel is fitted securely, so some force is required to detach it.

Disconnect the connectors on the reverse of the dashboard environment panel. Place the dashboard environment panel to one side.

Note!

If any of the outer hooks fail then this must be rectified. See the section on the dashboard in the Workshop Manual in VIDA.

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M8503159

Remove the cigarette lighter.

Fit the dashboard environment panel as illustrated.

Detach the surround (1) by carefully pressing the three catches (2) down in the holes (3) with a small screwdriver while prizing out the surround with a thin plastic weatherstrip tool. Start at the 12V socket (4) and prize up one corner. The surround is secured firmly so take care of the components.

Note!

The surround with three button places must be replaced with a surround with seven button places if necessary. This can be purchased separately.

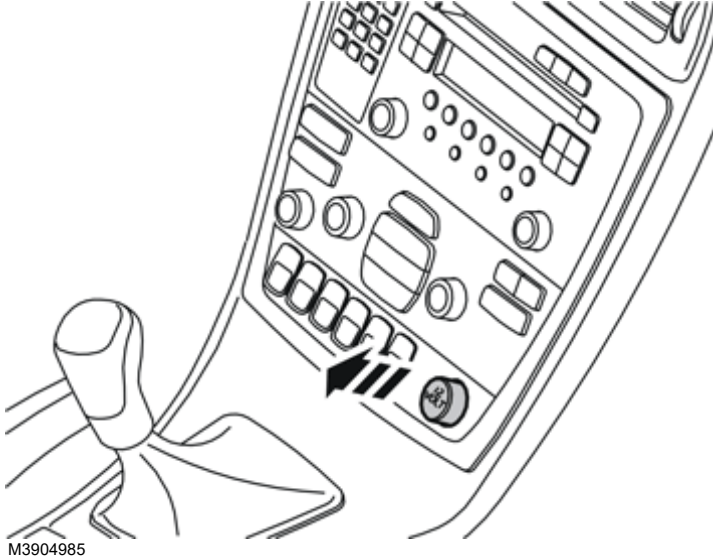
Installing the switch, applies to all cars from model year 2005-



Installation instructions, accessories

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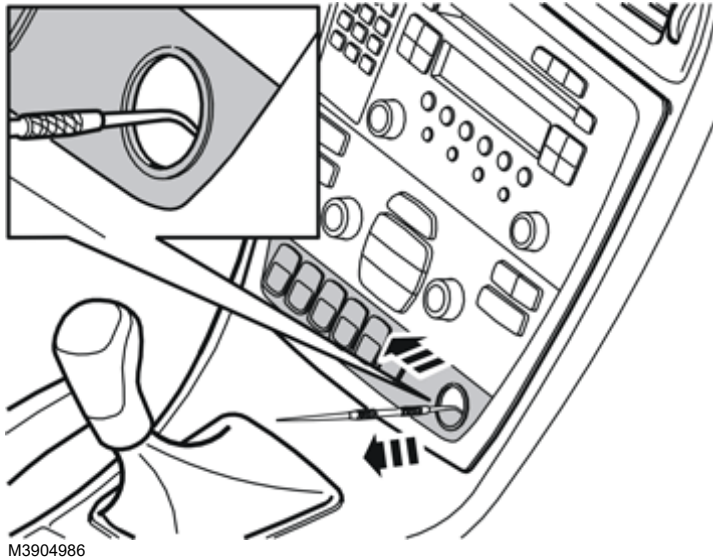
27



Installing the switch, applies to all cars from model year 2005-

Remove the cover plug to the 12V socket.

28



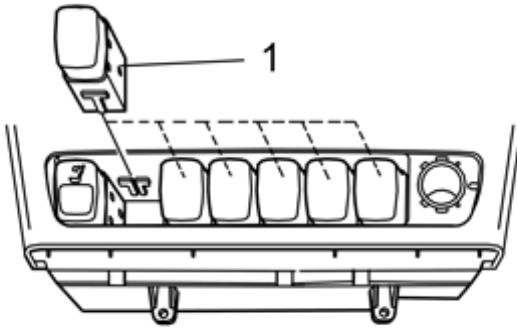
Carefully remove the panel for the keypad using a scribe with angled tip. Pull out one corner of the panel using the scribe until the catches release. It is secured with three catches on each long side. Continue to pull along the panel until all catches have released.



Installation instructions, accessories

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Remove the dummy button and install the new switch (1) in any available position.

Reinstall the surround and the cover plug.

D8502226

Finishing work, installing and adjusting

30

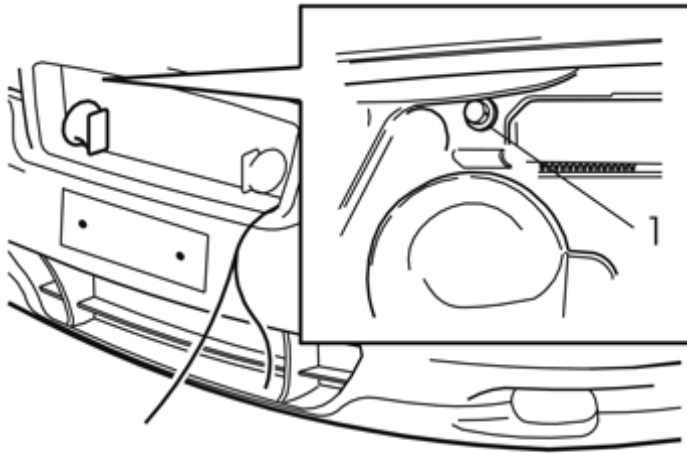
Finishing work, installing and adjusting

Align the auxiliary lights - headlamps for optimum beam pattern.

Tighten the two screws, see step 17.

Install the protective caps on the screw heads.

31



If the auxiliary lights vibrate and this is disruptive then a top strut can be installed. The strut must be secured in the horn's mounting point (1).

M3000486

32

Turn the ignition key to position "II".

Reconnect the battery negative lead

Reinstall the floor hatch in the cargo compartment.