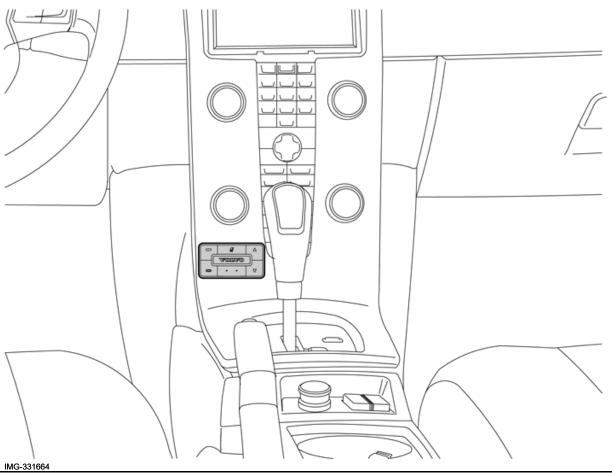
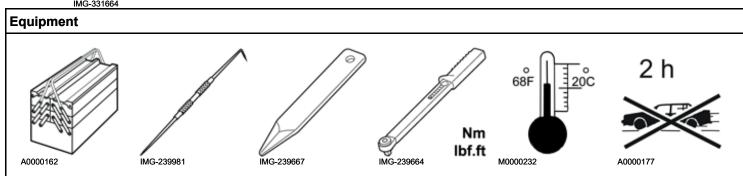
Volvo Car Corporation Gothenburg, Sweden

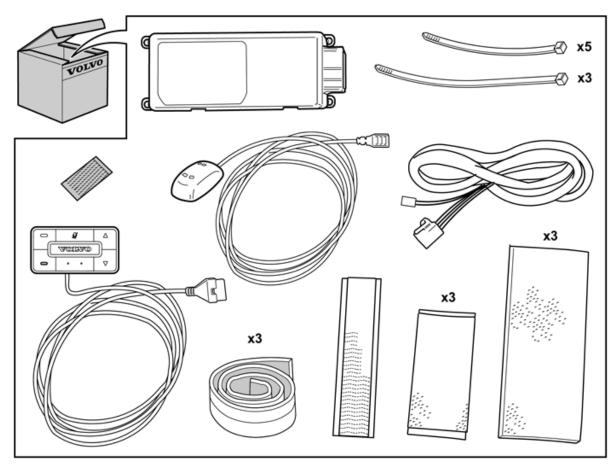
Instruction No 31310087 Version 1.4 Part. No. 31285547

Handsfree, Bluetooth



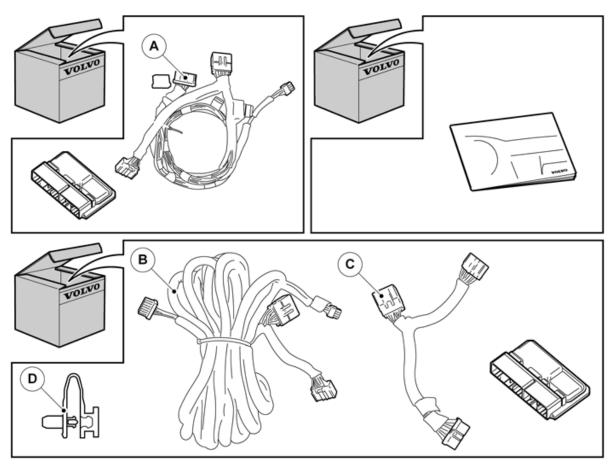


Volvo Car Corporation Gothenburg, Sweden



IMG-331666

Volvo Car Corporation Gothenburg, Sweden



IMG-331667

Volvo Car Corporation Gothenburg, Sweden

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!

This accessory is intended for the following vehicles:

S40 2005-, Ch.No. 81143 - 2007

V50 2005-, Ch.no. 78964 - 2007

Wiring A is for vehicles with an internal amplifier that is located in the media player.

Wiring B and C are for vehicles with an external amplifier, located on the left-hand side of the cargo compartment.

Cars with Performance Sound have internal amplifier.

Cars with the High Performance and Premium Sound audio systems have external amplifier.

These installation instructions apply to left-hand drive vehicles. When installing in a right-hand drive vehicle, the procedure is carried out on the opposite side and/or mirrored. Where the operation differs, right-hand versions are also displayed with text and images.

There may be components in the accessories kit that are not used for this installation.

Note!

When installing Velcro fasteners/tape the underlying surface must be kept at a temperature of at least +20 $^{\circ}$ C (68 $^{\circ}$ F).

Place the manual for this accessory in a suitable place in the vehicle.

Preparations

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1



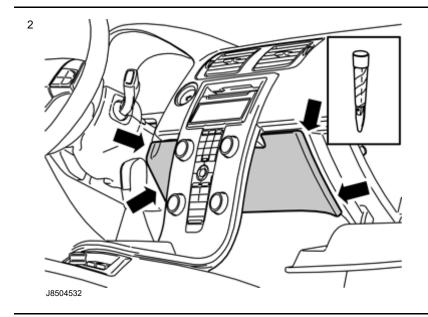
Preparations

Set the ignition switch to position 0.

Note!

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

IMG-331668

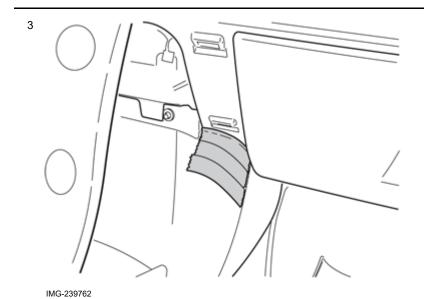


Open the glovebox.

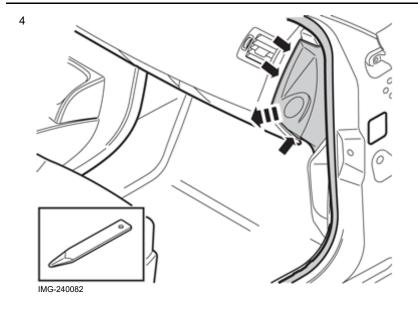
Pry off the panel in front of the center console. It is secured with two clips on each short side.

Pull the panel away downwards.

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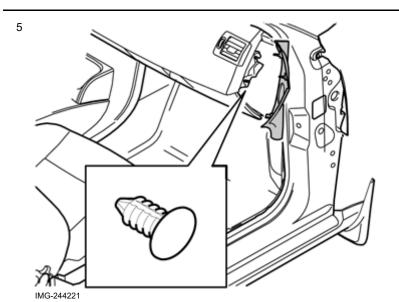


Apply tape to the center console to protect it during removal and installation of the glove compartment.

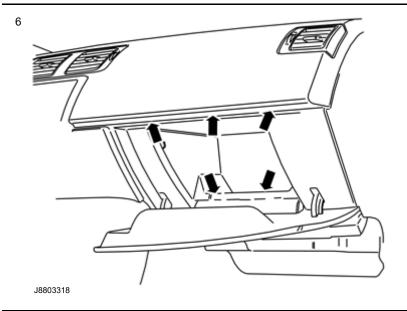


Remove the panel.

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Detach the clip holding the vent from the glove compartment.



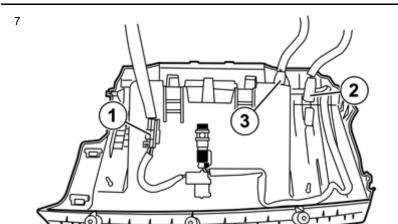
Remove the rubber mat from the glovebox.

Remove the five screws in the opening.

Pull the glovebox straight back to release the two hidden clips at the upper edge.

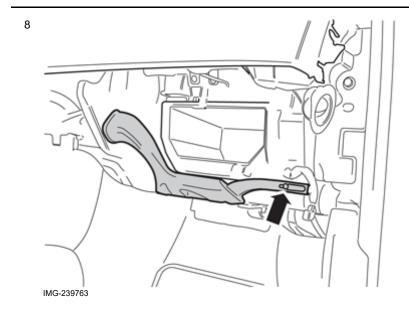
Remove the outer section of the glovebox.

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Unplug the connectors on the top.

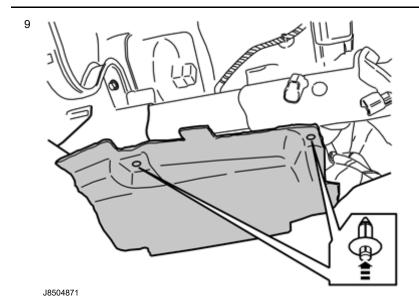
IMG-222669



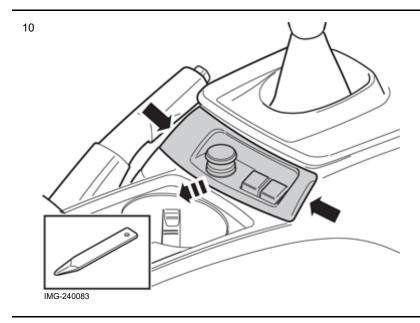
Remove the screws for the vent.

Pull off the vent to the right and place to one side.

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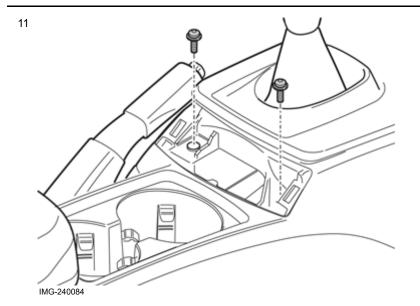
Remove the clips at the rear edge of the soundproofing panel and remove it.



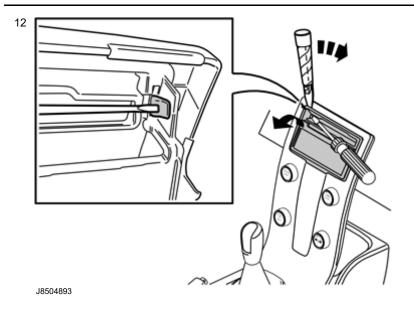
Pry off the panel at the rear edge of the center console.

Unplug the connectors.

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Remove the screws.



Detach the surround from around the display and the media player. Press in the catch in one of the surround's upper corners using a small screwdriver. Carefully pry off the surround on the same side using a weatherstrip tool.

Note!

Do not damage the panel and dashboard.

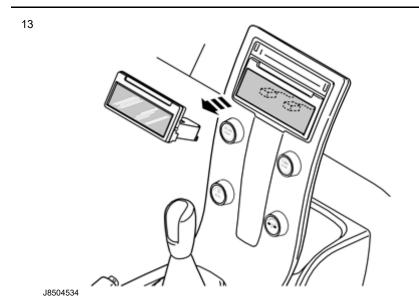
Do the same on the other side.

Hint

If the panel is difficult to remove, press the panel on both sides again and repeat the procedure starting at the other side.

Fold the surround backwards. Remove by pulling upwards.

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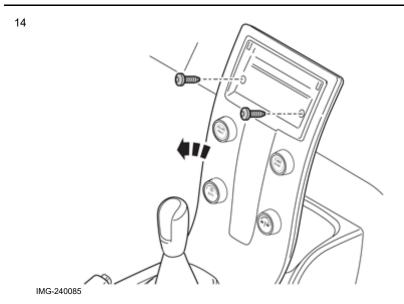


Remove the display with the infotainment control module (ICM). It is secured by two hidden clips.

Hint

Grip the control module with both hands and pull the control module straight out of the centre console.

Unplug the connectors.

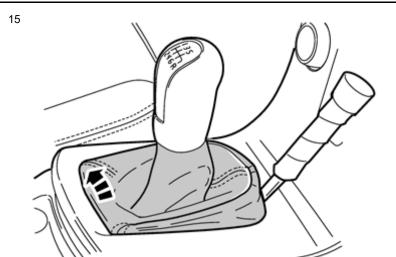


Remove the two screws.

Remove the connector on the reverse of the center console.

Remove the center console.

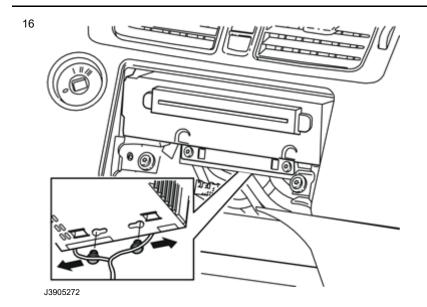
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Applies to cars with manual gearbox

Remove the gear selector lever boot from the center console. First pry it off at the front edge using a weatherstrip tool and then unhook it at the rear edge.

IMG-263588

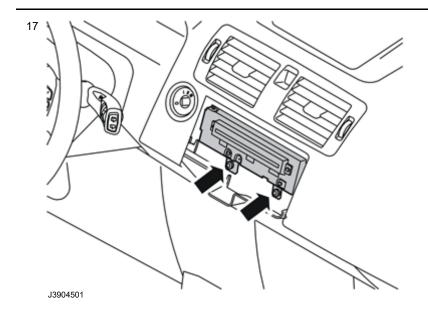


Remove the two clips securing the cables to the media player by first pressing them to the sides and then pulling them away downwards.

Note!

Be careful with the optic cables so that they are not bent or stretched.

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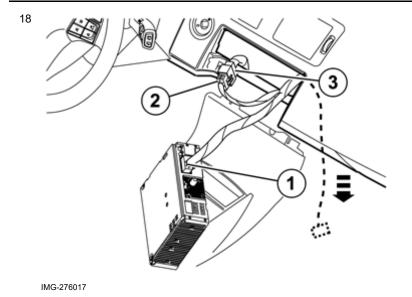


Remove the two screws from the bottom of the media player.

Pull out the media player. Disconnect the connector on the reverse side.

Note!

Note how the wiring is packed on the reverse. The fibre optic cables are easily damaged and must not be bent to a radius less than 25 mm (1").



Applies to cars with internal amplifier

Remove cable harness A from the kit.

Applies to cars with external amplifier

Remove cable harness B from the kit.

Applies to all models

Connect the gray connector (2) in the new cable harness to the gray connector (3) which was detached from the media player.

Take a 700 mm piece of foam tape and cut into three pieces of the same length. Tape one piece around connectors (2) and (3). Position these to the left, in the opening so that they are not in the way when installing the media player.

Connect the gray connector (1) in the new cable harness to the corresponding socket in the media player.

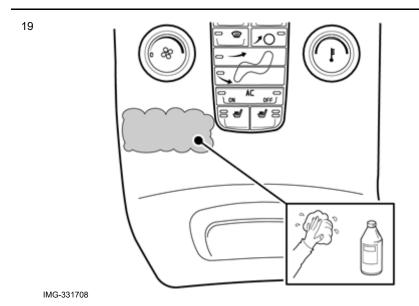
Route the cable harness with the connectors down on the right-hand side in the center console.

Plug the remaining connectors which where detached into the media player.

Reinstall the media player and secure it.

Installing the control panel

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Installing the control panel

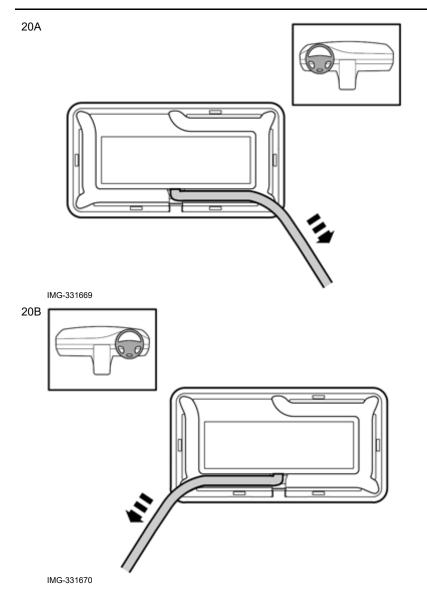
Clean the area on the center console as illustrated, which corresponds to the size of the double-sided adhesive tape. Use a solution of 25% isopropanol and 75% water, as well as a lint free cloth.

Dry with care, do not rub.

Allow to dry.

Note!

In cases where the area is heavily soiled or treated with cockpit shine. First clean using a washing up detergent (FAIRY or similar)

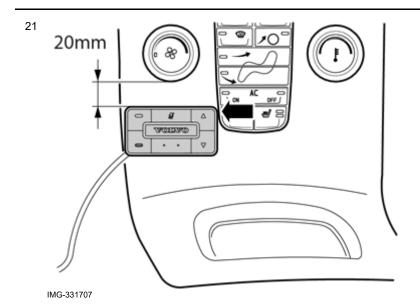


Α

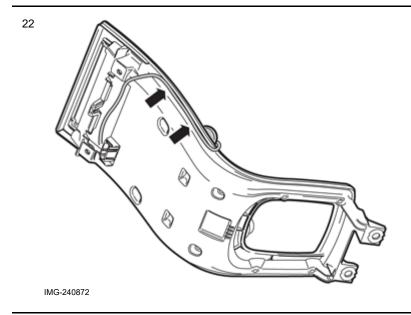
Place the control panel cable in the groove as illustrated.

В

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Remove the protective film from the tape and secure the control panel edge to edge against the climate panel and according to the dimension illustrated.



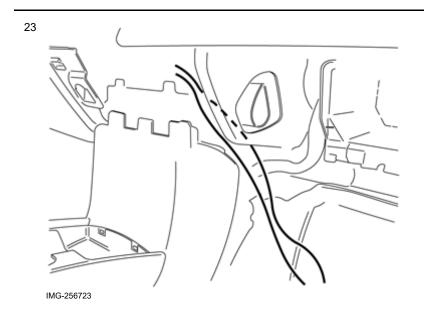
Press the cable securely into the compartment that is in the joint between the front and rear side of the center console. Stop level with the lower edge of the display opening.

Reinstall the center console, connect the green connector and install the screws.

Applies to cars with manual gearbox

Install the gear selector boot in the center console starting at the rear edge.

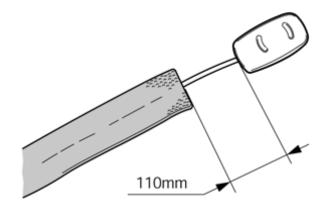
Volvo Car Corporation Gothenburg, Sweden



Pull the 2 cables down on the right-hand side of the center console.

Installing the microphone

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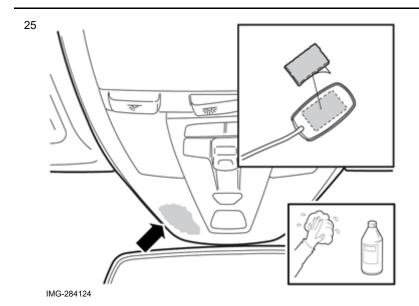
Installing the microphone

Steps 24 – 35 apply to cars up to and including model year 2006

Tape a 700 mm length piece of foam tape on the microphone cable starting 100 mm from the microphone.

IMG-240873

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Clean the area on the microphone and headlining panel as illustrated, which corresponds to the size of the double-sided adhesive tape. Use a solution of 25% isopropanol and 75% water, as well as a lint free cloth.

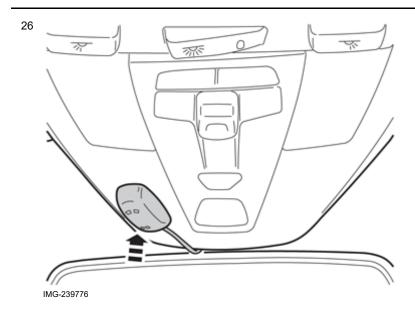
Dry with care, do not rub.

Allow to dry.

Note!

In cases where the area is heavily soiled or treated with cockpit shine. First clean using a washing up detergent (FAIRY or similar)

Remove the backing tape from one side of the Velcro strip and press it onto the microphone.

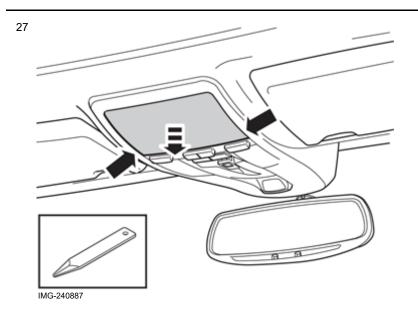


Remove the remaining protective film from the Velcro strip and press the microphone securely onto the ceiling panel as illustrated.

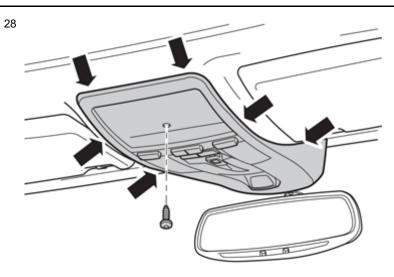
Note!

Direct the microphone towards the driver.

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Remove the cover.



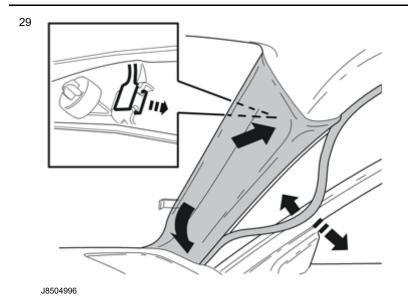
Slide the rear view mirror forwards.

Remove the screw.

Pull the interior lighting downwards until the six hooks release and allow it to hang in place.

IMG-240888

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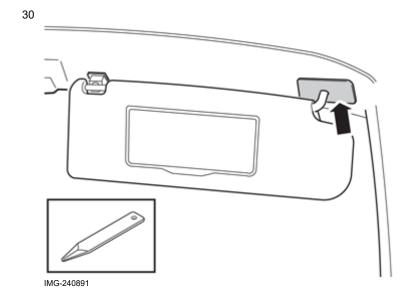
Pull off the driver's weather strip at the A-post and dashboard.

Pull off the panel from the A-pillar. The panel is secured by three clips.

Unhook the safety clip.

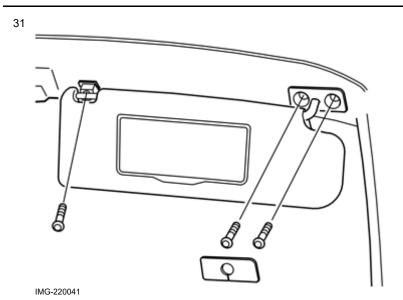
Lift the panel upwards and inwards in the vehicle.

Remove the panel.



Pry off the cover at the sun visor mounting.

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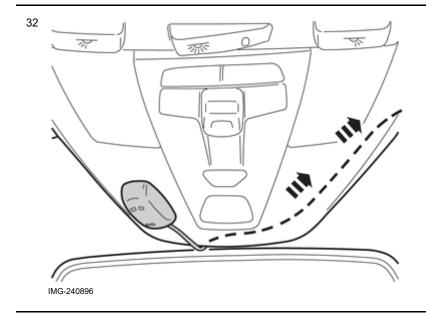


Detach the sun visor from its left-hand mounting.

Remove the screw in the mounting and remove it from the roof panel.

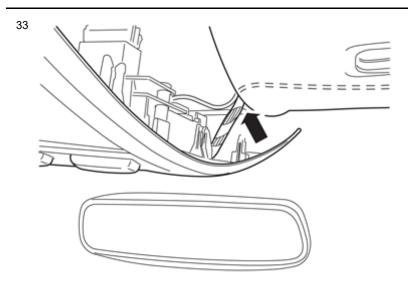
Remove the two screws in the right-hand mounting and detach the sun visor from the roof panel.

Leave the sun visor in place.



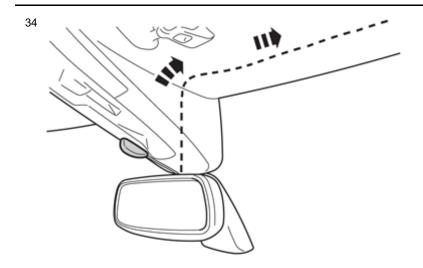
Route the cable up to the center of the front edge of the interior lighting and then up to the right.

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Route the cable into the cut-out between the roof lining and the inner section of the interior lighting.





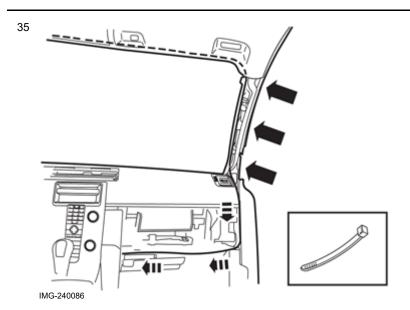
Route the microphone cable on top of the headlining.

Reinstall the interior lighting.

Check that the cable does not hang down at the front edge.

IMG-239777

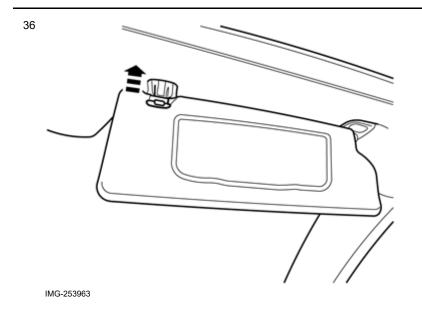
Volvo Car Corporation Gothenburg, Sweden



Route the cable to the A-pillar and onwards to the glove compartment.

Take three small tie straps from the kit and secure the cable at the A-pillar as illustrated.

Reinstall the sun visor with the mounting and check that the cable for the sun visor does not get trapped.

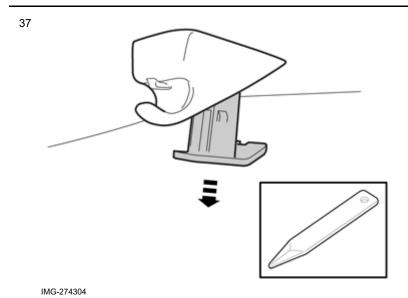


Steps 36 – 48 apply to cars of model year 2007

Unhook the sun visor from the mounting.

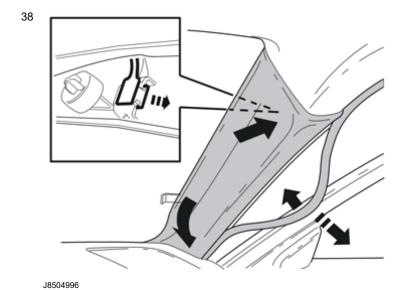
Carry out on both sides.

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Remove the lock plug and the mounting.

Carry out on both sides.



Pull off the driver's weather strip at the A-post and dashboard.

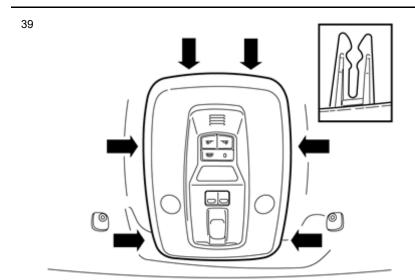
Pull off the panel from the A-pillar. The panel is secured by three clips.

Unhook the safety clip.

Lift the panel upwards and inwards in the vehicle.

Remove the panel.

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Remove the interior lighting by grasping the front edge and pulling downwards. It is held in place with six catches.

IMG-253982

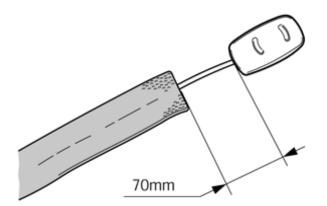
40



Remove the three screws.

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41

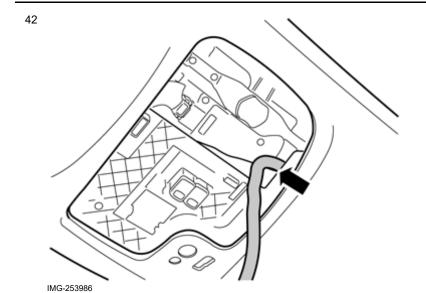


Take two 700 mm pieces of foam tape from the kit.

Cut one piece of foam tape in the middle.

Tape one long and one short piece of foam tape on the microphone cable starting 70 mm from the microphone.

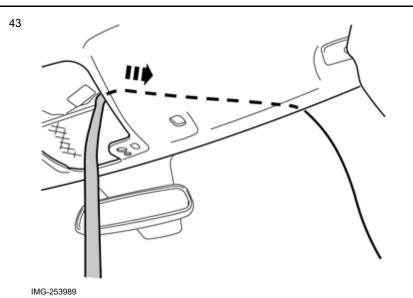
IMG-253985



Pull down the headlining with the interior lighting frame slightly.

Route the microphone cable along the top of the existing cable harness as illustrated.

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Route the microphone cable to the front edge of the headlining as illustrated.

Note!

Position the cable so that it is not pinched when the sun visor mounting is refitted.



Make a mark on the foam tape affixed to the cable 230 mm from the microphone.

Use a cable tie to fasten the cable at the mark at the existing connector.

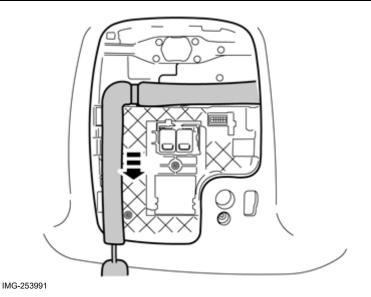
Install the three trim screws.

IMG-274305

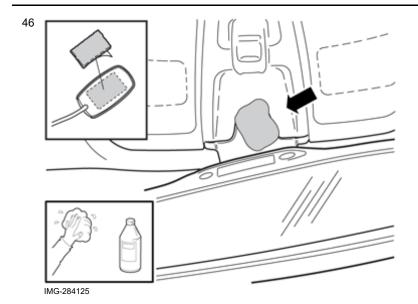
44

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Hold the microphone cable straight forward and refit the interior lighting.



Clean the area on the microphone and headlining panel as illustrated, which corresponds to the size of the double-sided adhesive tape. Use a solution of 25% isopropanol and 75% water, as well as a lint free cloth.

Dry with care, do not rub.

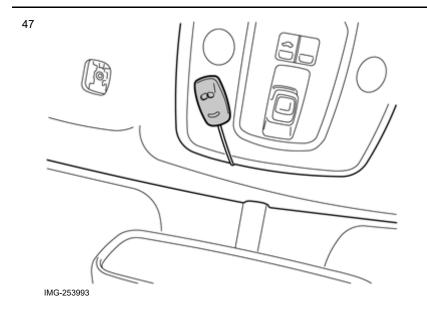
Allow to dry.

Note!

In cases where the area is heavily soiled or treated with cockpit shine. First clean using a washing up detergent (FAIRY or similar).

Remove the backing tape from one side of the Velcro strip and press it onto the microphone.

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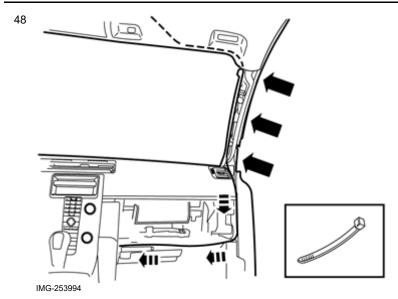


Remove the remaining backing tape from the Velcro strip and press the microphone securely onto the ceiling panel as illustrated

Note!

Direct the microphone towards the driver.

Feed in any cable excess.



Route the cable to the A-pillar and onwards to the glove compartment.

Take three small tie straps from the kit and secure the cable at the A-pillar as illustrated.

Warning!

Make sure that the routing of the microphone cable does not interfere with the function of the inflatable curtain.

Refit the sun visor mountings.

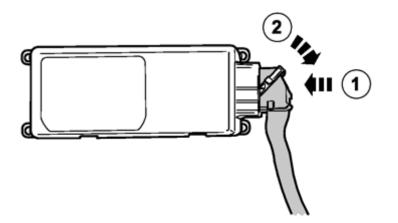
Reinstall the A pillar panel and weatherstrip.

Installing the control module

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Installing the control module

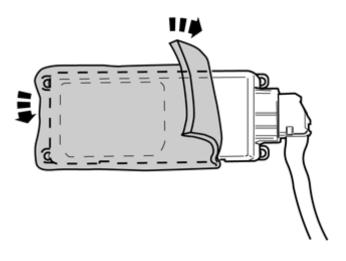


Take the cable harness and control module from the kit. Connect the cable harness to the control module (1).

Lock the catch (2).

IMG-250303

50

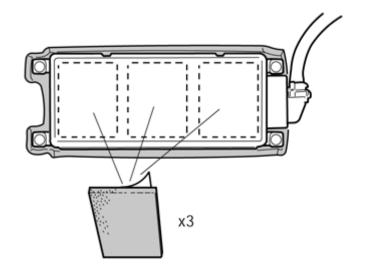


Get a thick foam tape from the kit and fasten it on the front of the control module. Fold up the foam tape around the corners and edges of the control module.

IMG-256724

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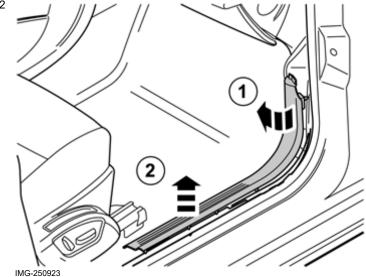
51



Get three small pieces of foam tape from the kit and fasten these on the back of the control module.

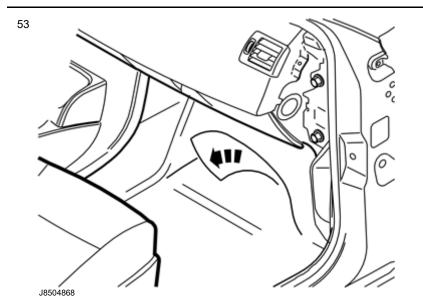
IMG-256725





Detach the front sill molding by first pulling it backwards at the front edge and then straight up so that the clips release.

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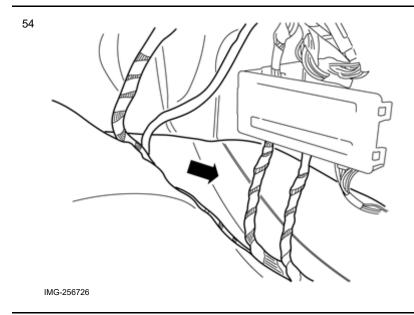


Unscrew the clips holding the floor carpet.

Fold aside the floor mat to access the bulkhead panel inside.

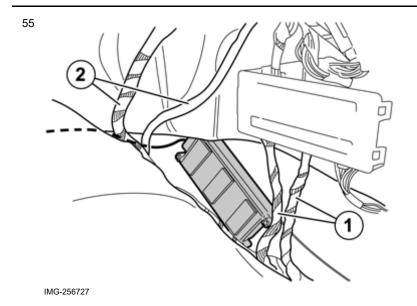
Note!

Take care not to create folds in the carpet.



Place the control module with the thick foam tape forward, against the bulkhead.

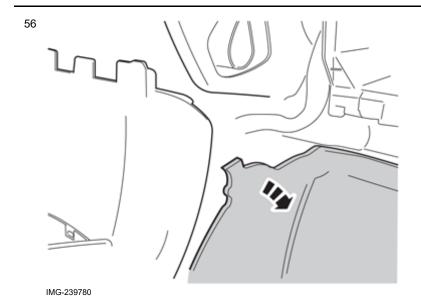
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Fold aside the cable harnesses (1) so that they do not end up between the control module and floor mat.

Route the control module's cable harness under the cable harnesses (2) and on toward the tunnel console.

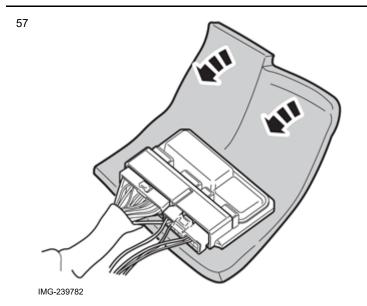
Connecting



Connecting

Fold the carpet to the right of the center console.

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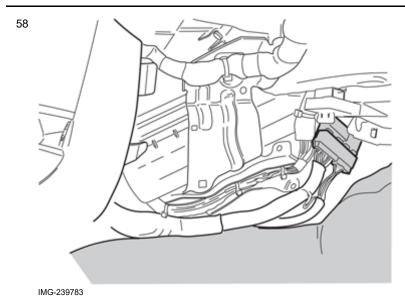


Applies to cars with internal amplifier

Take the relay and two thick pieces of foam tape from the kit.

Connect the connectors from cable harness A to the relay.

Tape the foam tape pieces around the relay.

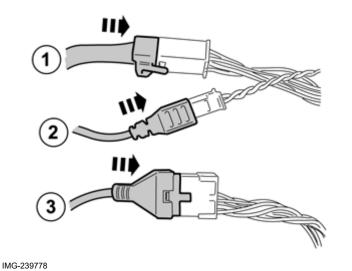


Applies to cars with internal amplifier

Place the relay between the carpet and the climate control unit as illustrated.

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Connect the connectors as illustrated.

Applies to cars with internal amplifier

1. Connect cable harness A to the cable from the control module.

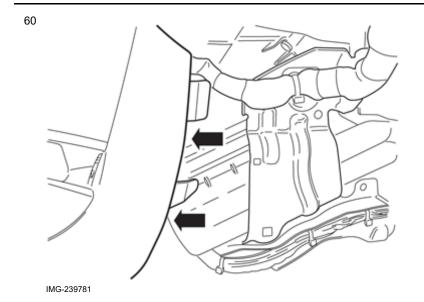
Applies to cars with external amplifier

1. Connect cable harness B to the cable from the control module.

Applies to all models

- 2. Connect the microphone
- 3. Connect the control panel

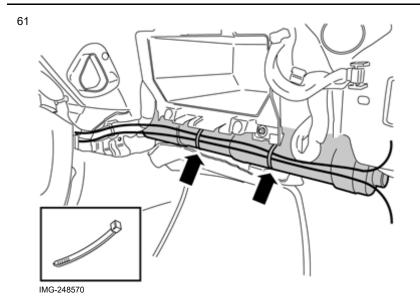
Take one of the cut pieces of foam tape and tape around the connectors.



Place the connectors and the excess wiring inside the center console.

Fold back the carpet.

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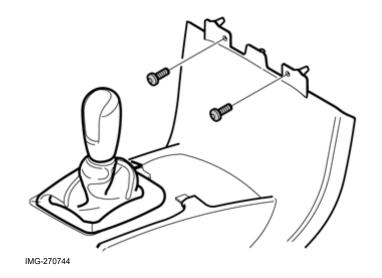


Take two large tie straps from the kit and secure the cable from the microphone on top of the collision pipe.

Applies to cars with external amplifier

Also secure the cable harness B, that is to be later routed back to the external amplifier.

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Reinstall:

gear lever gaiter, starting at the trailing edge.

and slide the tunnel console forward so that the lugs secure it. At the same time align the floor carpet on the right and left-hand sides

the two screws at the front edge of the tunnel console.

the panel at the parking brake.

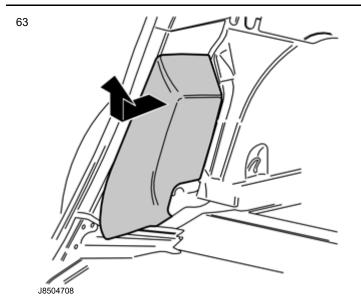
the two screws and the cover under the armrest.

front storage compartment inside of the center console.

and connect the display unit.

the surround for the display.

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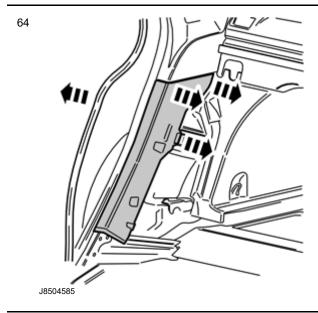


Steps 63-82 apply to cars with external amplifier

Grasp the upper edge of the right-hand side cushion. Pull the side cushion forward so that the clip on the reverse releases.

Slide the side cushion up. Remove the side cushion.

Repeat the operation on the other side.

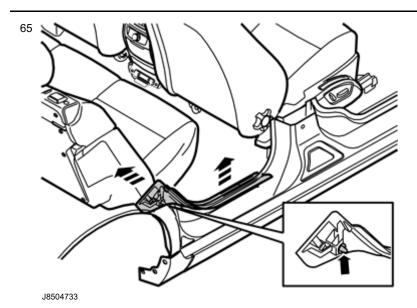


Pull off the rubber strip at the rear of the opening for the right-hand rear door.

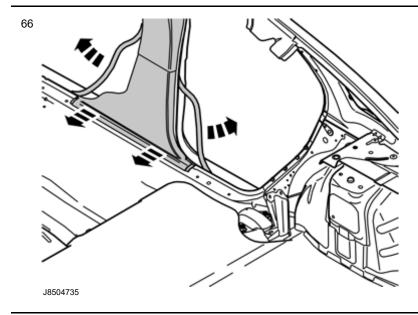
Carefully pry off the lower panel on the C-post on the right-hand side. Carefully pry at the top edge. Use a plastic weatherstrip tool.

Pull the panel on the C-post so that the two upper clips release. Then continue down until the last two clips release. Remove the panel on the C-post.

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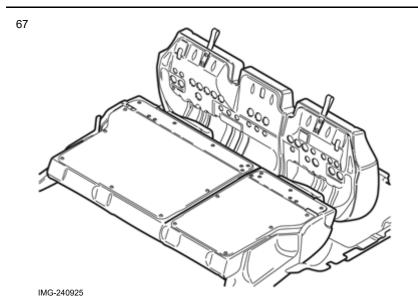
Pull the top edge of the sill trim panel in the right-hand rear door inwards until the clips on the inside release. Then continue down and pull the panel upwards until the remaining two clips on the underside release.



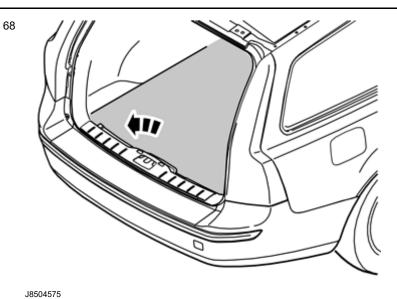
Pull off the rubber moldings at the rear edge of the right-hand front door and at the front edge of the right-hand rear door. This releases the lower panel on the B-pillar.

Pull the bottom edge of the lower panel on the B-pillar until the two bottom clips release.

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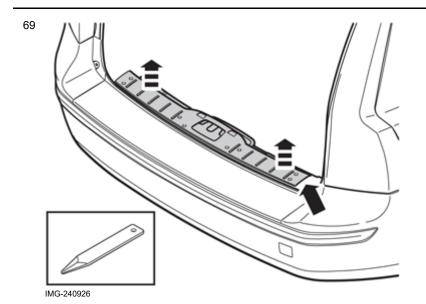
Fold the rear seat cushions and backrest forwards.



Applies to the V50

Remove the cargo compartment carpet.

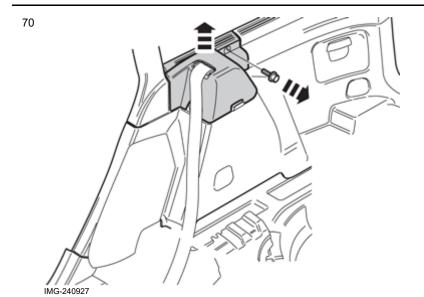
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Use a weatherstrip tool and pry up one corner of the sill trim panel so that the two clips on the short side release.

Pull up the sill trim panel so the remaining six clips release. Remove the panel.

Detach the rubber strip where it covers the left and right-hand side panel in the tailgate opening.

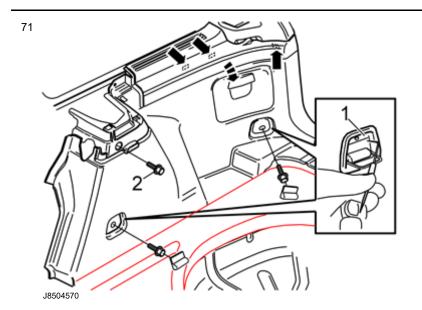


Remove the screw.

Pull the panel upwards so that the four clips on the inside release. Remove the panel.

This is carried out on the left-hand side on right-hand drive vehicles

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Fold out the load securing eyelets.

Insert a scriber with an angled tip into the holes in the top of the covers (1). Turn the scriber so that the tip engages the reverse of the cover. Pull the covers off.

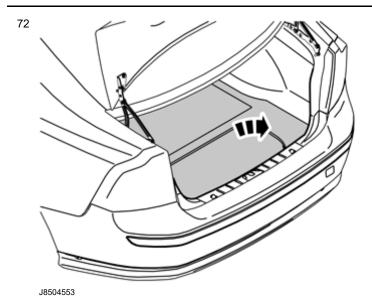
Remove the screws in the load securing eyelets.

Remove the screw (2).

Pull off the side panel at the top so that the two clips at the rear/bottom of the side window and the clip at the bottom of the D-post release.

Disconnect the connector for the 12V socket, if present.

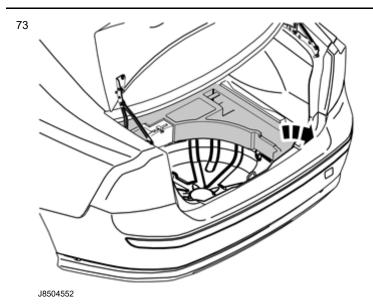
This is carried out on the left-hand side on right-hand drive vehicles.



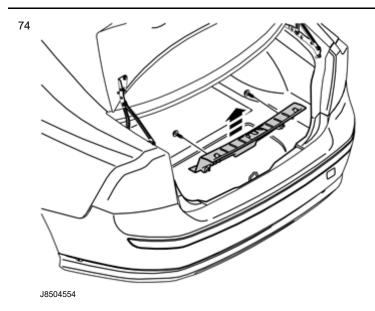
Applies to the S40

Remove the cargo compartment carpet.

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Remove the upper floor support on the left and right-hand sides if applicable.



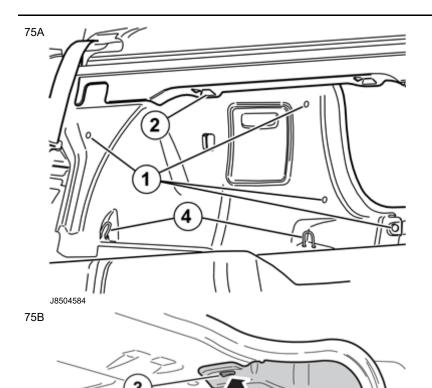
Unscrew the two external clips at the front edge/bottom edge of the sill trim panel on the tailgate.

Use a weatherstrip tool and pry up one corner of the sill trim panel so that the two clips in that end release.

Pull up the sill trim panel at the other end so that the remaining two clips release. Remove the sill trim panel.

Detach the rubber strip where it covers the right-hand side panel in the boot opening.

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Illustrations A and B

Remove the four clips (1), in illustration A, holding the side panel in the bodywork.

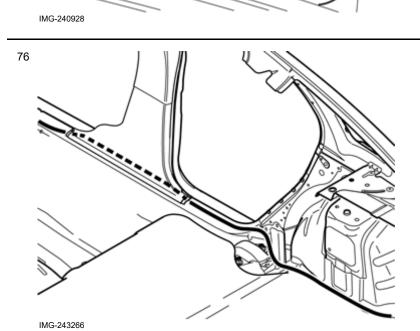
Unhook the front edge of the parcel shelf panel at the mounting (2), in illustration A. Pull the side panel away from the parcel shelf panel and the panel on the C-post.

Unhook the side panel from the mounting (3), in illustration B, on the underneath of the parcel shelf.

Disconnect the connector for the 12V socket, if present.

Unhook the side panel from the load securing eyelets (4), in illustration A. Remove the side panel.

This is carried out on the left-hand side on right-hand drive vehicles.



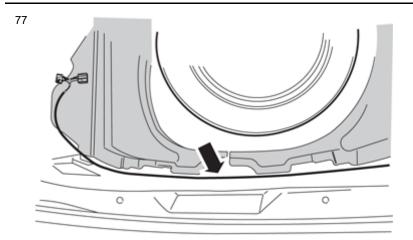
Applies to the S40 and V50

Route the cable B inside the floor carpets, the lower B-post panel and the insulation panels, back to the rear edge of the right-hand rear wheel arch. Route the cable along the existing cable harnesses in the cargo compartment.

Note!

Ensure that the cable is positioned so that there is no risk of it catching or rubbing.

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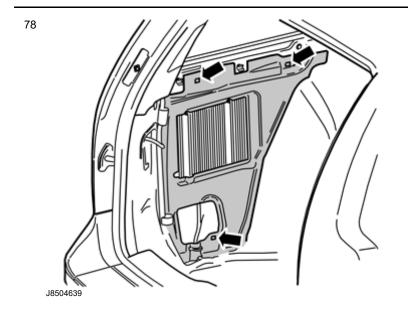
Applies to left-hand drive S40 and V50

Continue routing the cable harness to the amplifier.

Position the cable harness at the existing cable harness to the side and at the rear edge of the cargo compartment, all the way from the right-hand wheel arch to the amplifier.

Take a short tie strap from the kit and secure the cable harness at the existing cable harness.

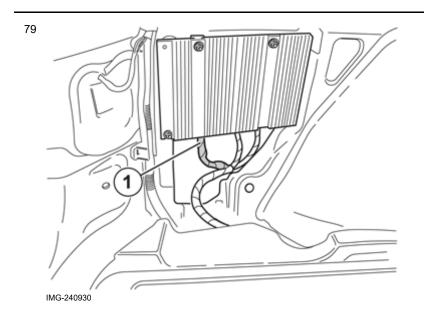
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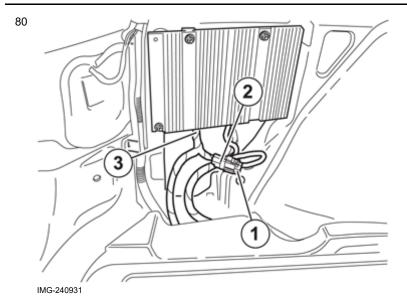
Applies to the V50

Remove the clips and the insulation panel.

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Disconnect the rear connector (1) on the amplifier.



Connect cable harness C from the kit to the amplifier as follows:

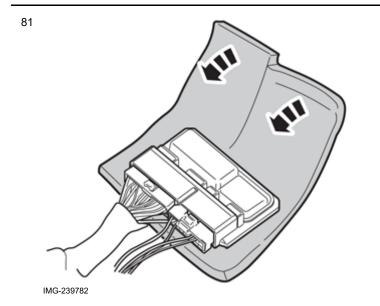
Connector (1) that was disconnected from the amplifier is connected to the female connector (2) on the adapter cable.

Plug connector (3) on the adapter cable into the amplifier.

Tape one section of the cut piece of foam tape around connectors (1) and (2).

Secure the excess cable using one of the cut up parts of foam tape and two short tie straps, on the existing cable harness of the vehicle

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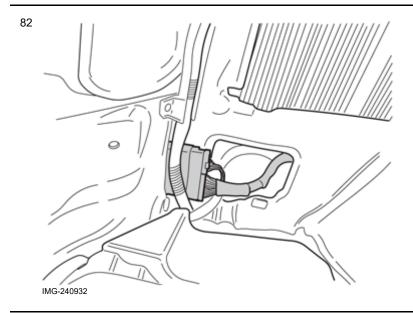
Applies to the V50

Reinstall the insulation panel on the left-hand side.

Applies to the S40 and V50

Take the relay from the kit. Connect the connectors from the cable harness ${\bf B}$ and ${\bf C}$ to the relay.

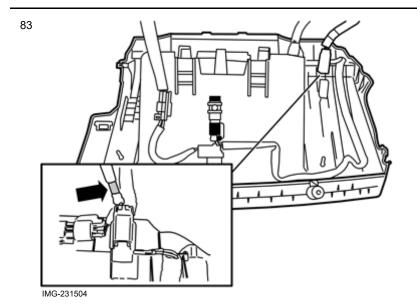
Tape two thick pieces of foam tape around the relay.



Place the relay behind the existing cable harness.

Finishing work

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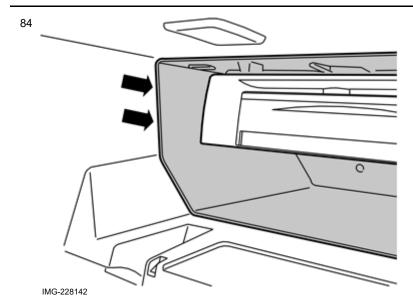


Finishing work

Applies to all models

Reinstall the connectors to the rear section of the glove box. Note the color marking on the cable for the right-hand connector.

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Dashboard

Reinstall:

the lower vent.

the sound proofing.

the rear section of the glovebox by guiding it in diagonally inside the center console and then straight forward. The rear section must be positioned on the outside of the remaining inner section. Remove the tape.

the clip for the vent on the glovebox.

the panel on the dashboard end face.

The pillar panel.

the door's weatherstrip at the A-pillar.

the panel above the center console. Check that the cable to the control panel is not pinched.

Cargo compartment

Reinstall:

the side panels.

the screws in the load securing eyes. Tightening torque 24 Nm (18 lbf.ft.) (applies to the V50).

the sill trim panel for the tailgate.

the upper floor support if applicable (applies to the S40).

the rubber strips in the cargo compartment opening.

the cargo compartment carpeting.

Passenger compartment

Reinstall:

the B-pillar panel.

the sill trim panels.

the C-pillar panel.

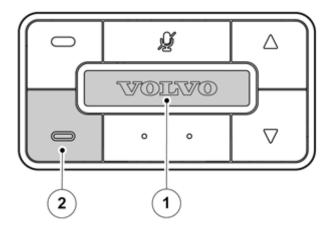
the rubber strips in the door openings.

side cushions.

Position the backrest and seat cushions back into place.

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Carry out a function test as follows:

Set the ignition switch to position I.

Turn on the radio.

Check that the control panel for Bluetooth lights up.

Press the button (1) in the middle of the control panel. The radio should mute and a voice should be heard.

Press button (2). The voice should stop and the radio sound should return.

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