



# Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

**Instruction No**  
9162298

**Version**  
1.0

**Part. No.**

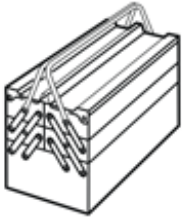
## Subwoofer



# Installation instructions, accessories

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## Equipment



A0000162

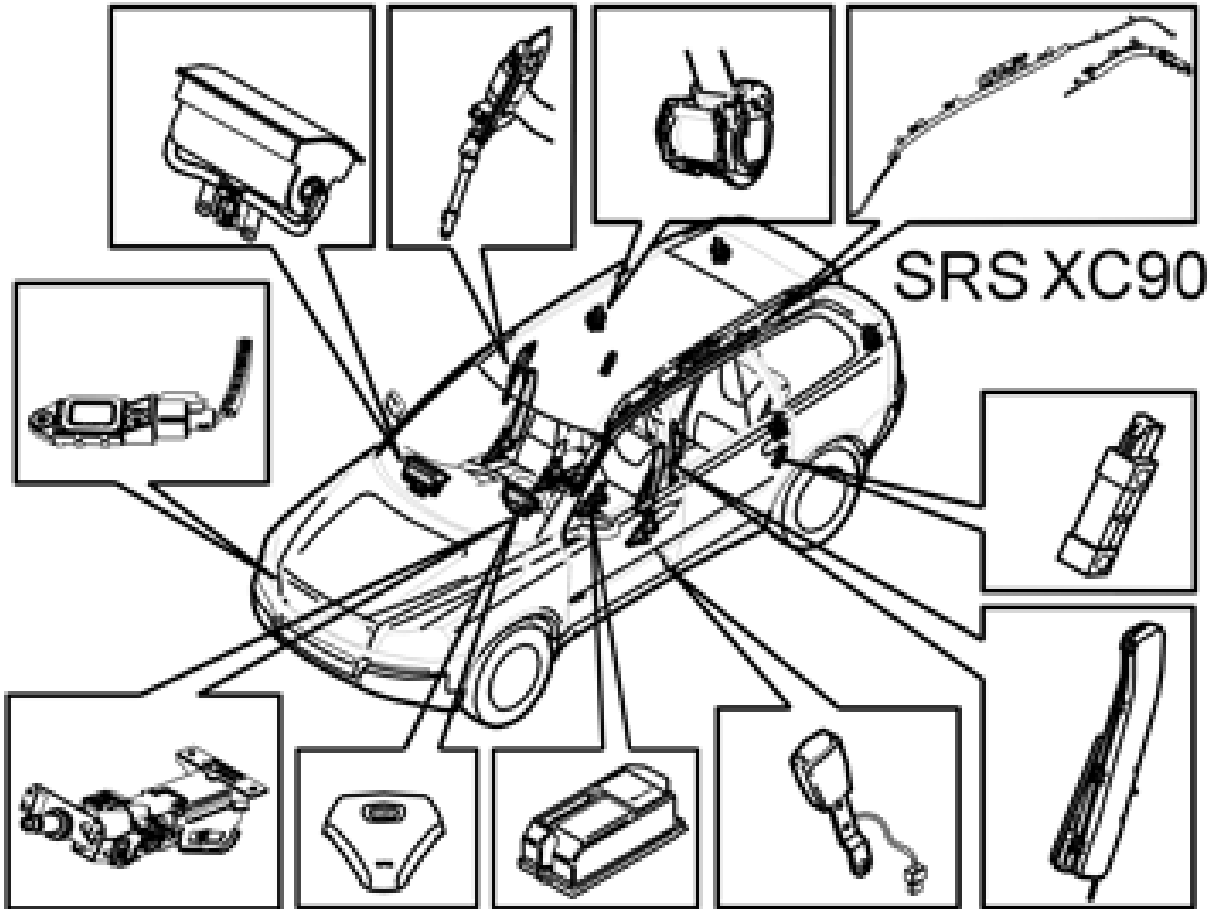


A0801178



Nm  
lbf.ft

A0000161



SRS XC90

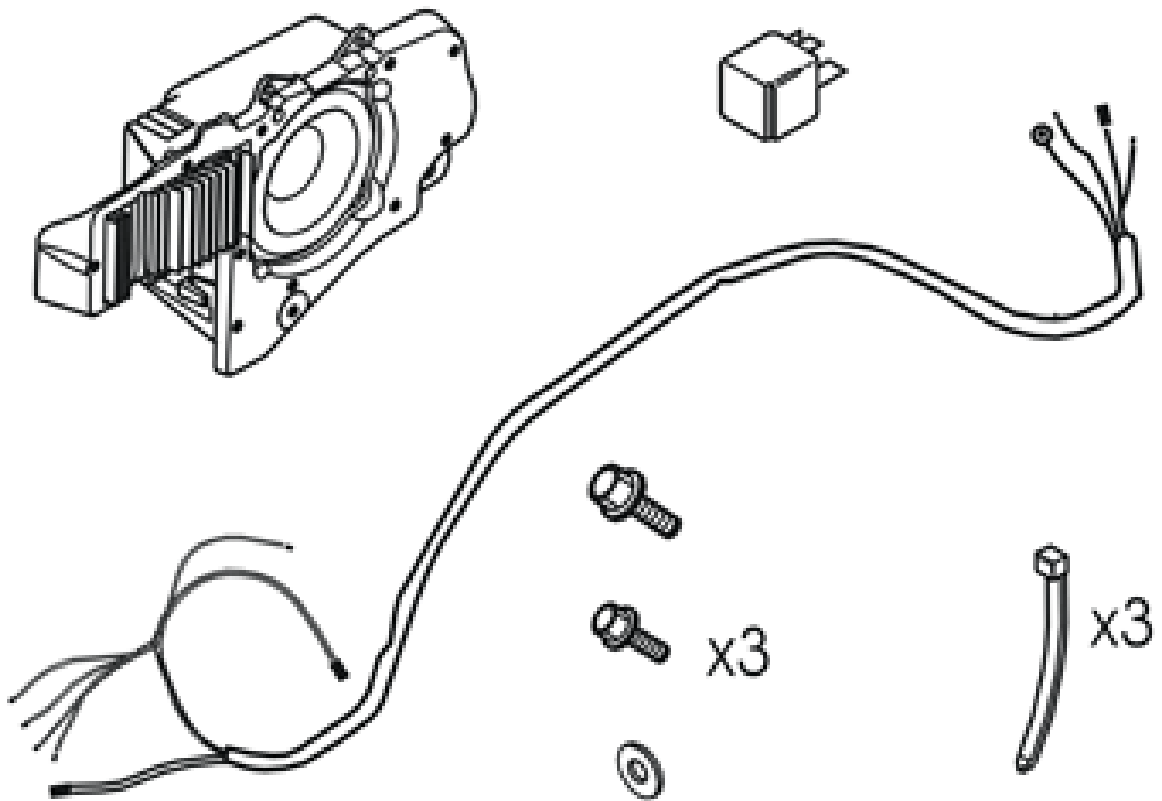
R8802817



# Installation instructions, accessories

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A



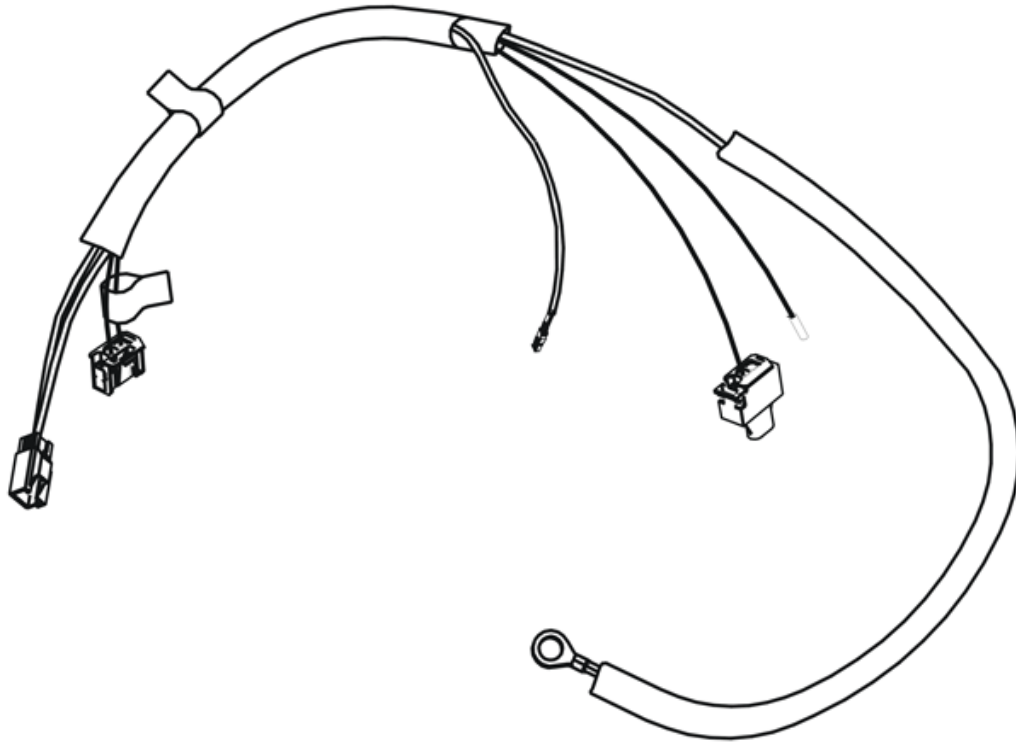
R3903989



# Installation instructions, accessories

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B



R3904979



# 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!

This accessory requires software unique to the car

### Note!

Points 4 - 10, 12, 21 - 31 and 38 only apply to cars up to and including model year -2004 (CH -133999)

Points 32 - 37 and 39 only apply to cars from model year 2005- (CH 134000-).

## Preparatory work

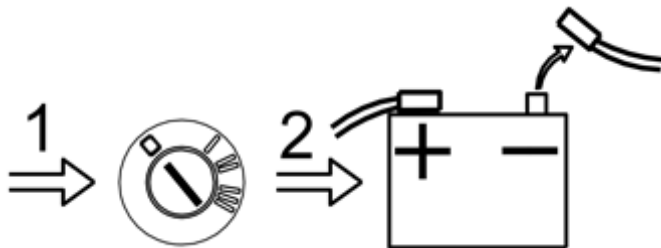
1

### Preparatory work

Move the left front seat as far forward as possible

Turn the ignition key to position 0

Disconnect the battery negative lead.

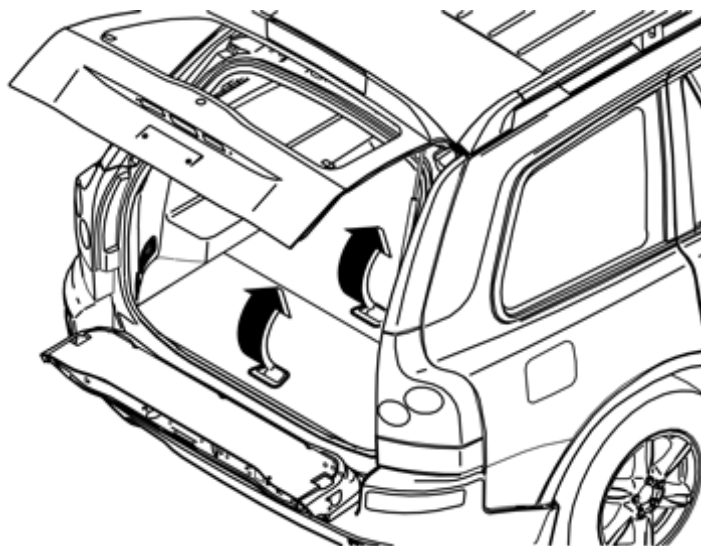


### Note!

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

A8800136

2A



## Illustration A

### Applies to cars with two rows of seats

Fold up the centre rear floor hatch slightly

Remove the hatch by pulling it off the mountings at the front edge

Remove the storage box underneath and lift it out. If the floor hatch has a carrier bag holder on the underneath, it is secured by a strap on each of the shorter sides of the storage box. These straps must be undone

Remove the front floor hatch in the same way. (Applies to cars up to and including model year -2004 (CH -133999)).

## Illustration B

### Applies to cars with three rows of seats and the integrated carrier bag holder on the underside of the centre floor hatch

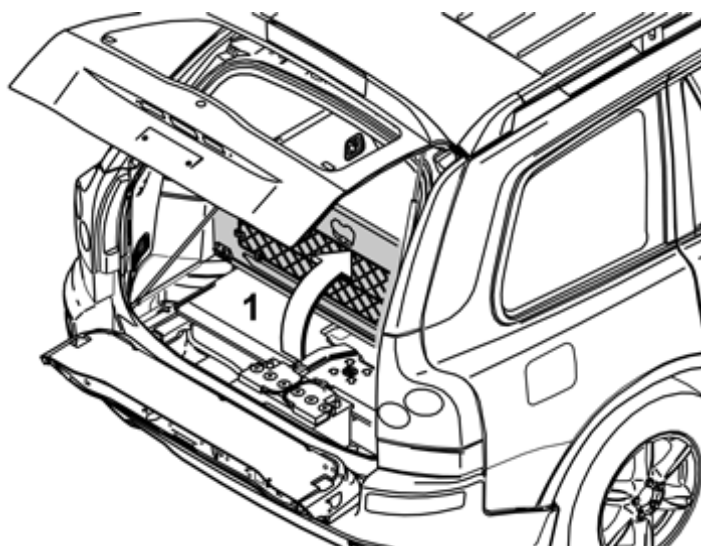
Fold up the centre rear floor hatch (1)

Release the two straps on the panel underneath. Lift up the panel at the rear edge. Fold back the floor hatch towards the panel. Lift out the floor hatch and panel.

### Applies to the XC90 with three rows of seats without integrated carrier bag holders

Fold up the centre rear floor hatch (1) at the rear edge and lift it out.

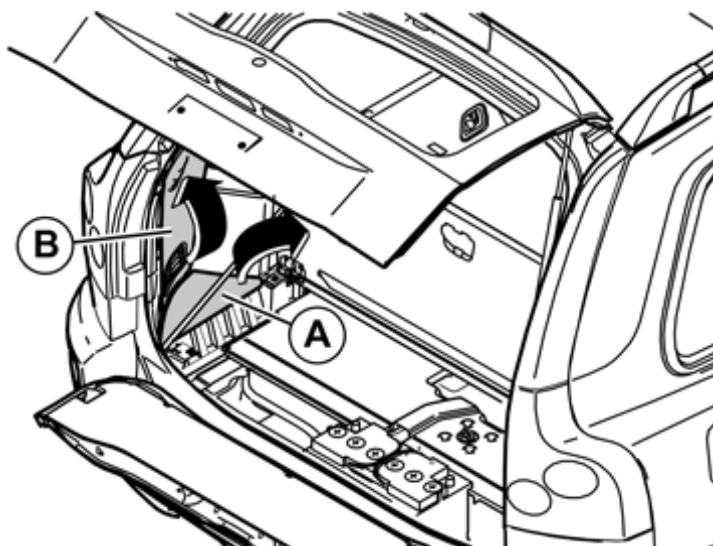
2B



R8902691

R8903031

3



Remove the side floor hatch (A) and the folding side panel (B) on the left-hand side in the cargo compartment.

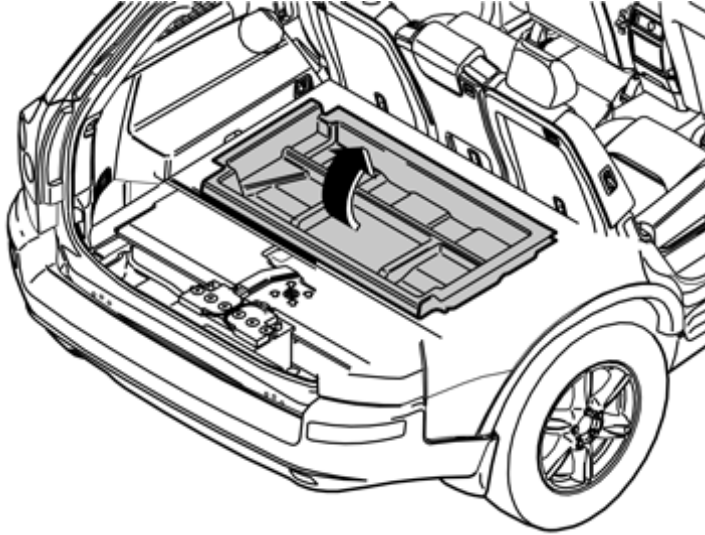
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4



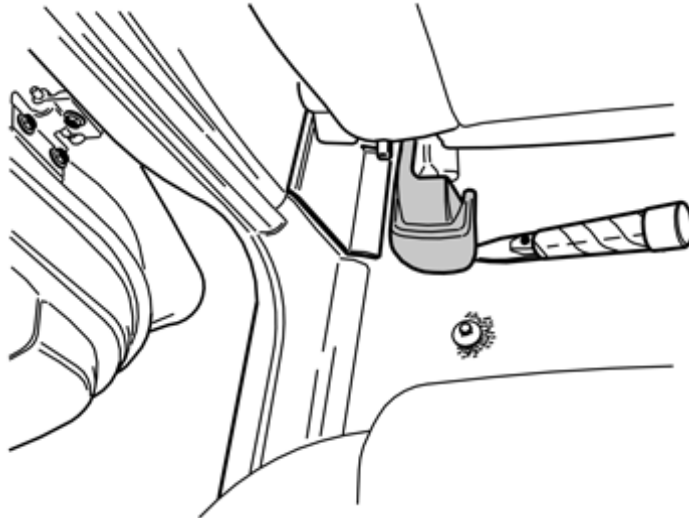
R8504293

**Applies to cars up to and including model year -2004 (CH -133999)**

**Applies to cars with two rows of seats**

Remove the front storage compartment.

5



R8504308

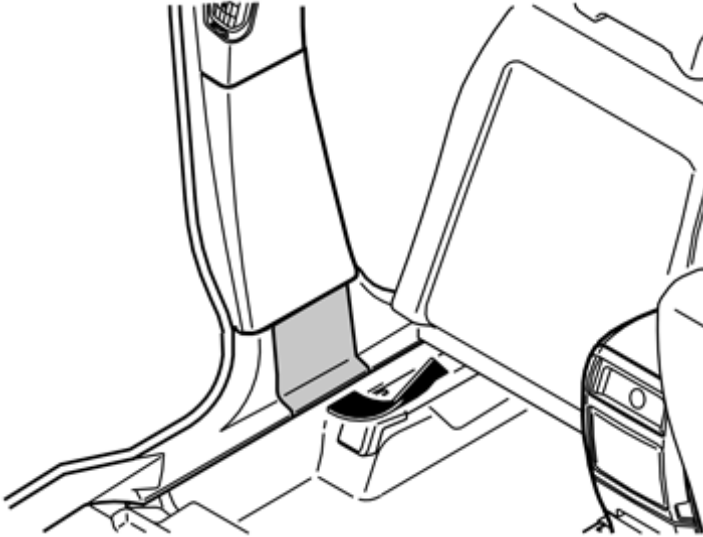
Remove the rear panel on the left rear mounting on the left-hand front seat. Pry up the rear edge of the panel slightly and then pull backwards and upwards.



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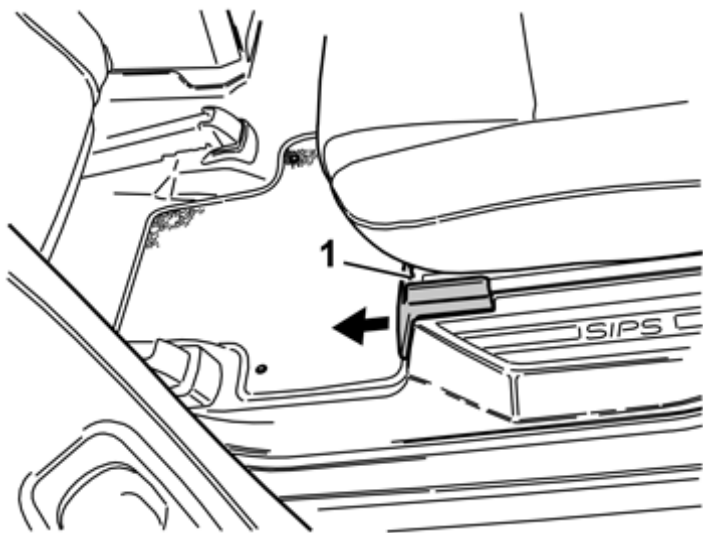
6



R8504210

Carefully pry off the panel above the joint between the left-hand door sills, at the lower edge. Use a weatherstrip tool.

7



R8504309

Remove the panel for the front mounting on the left-hand seat in the second row of seats by pressing down the catch (1) on top and detaching the panel by pulling it forward

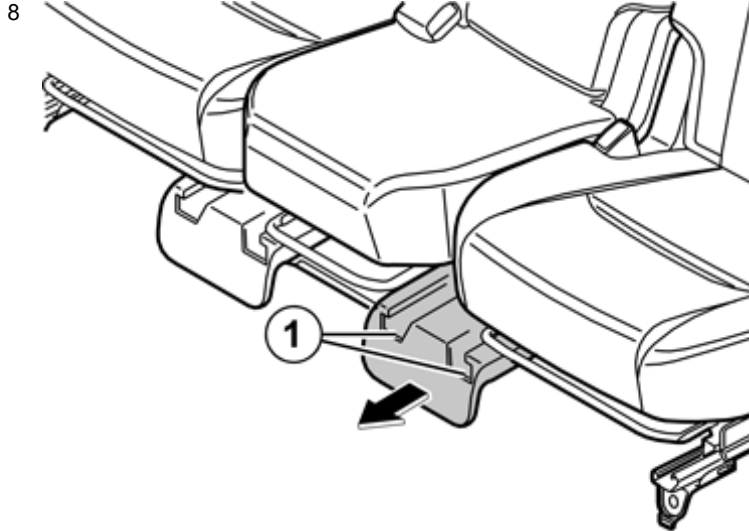
Remove the screw underneath.





# Installation instructions, accessories

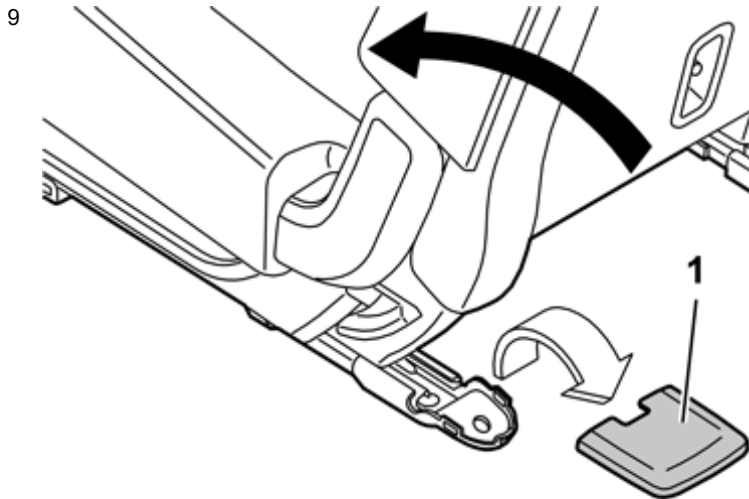
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R8504310

Remove the panel for the front mountings on the centre and left-hand seat in the second row. Press down the catches (1) on top and detach the panel by pulling it forward

Remove the left-hand screw underneath.



R8504311

## **Applies to cars with two rows of seats**

Fold the backrest on the left-hand seat in the second row of seats forwards.

## **Applies to cars with three rows of seats**

Fold the left-hand seat backrest forwards in the second row. Slide the backrest forward as far as possible.

## **Applies to all models**

Remove the covers for the rear mountings for the left-hand seat in the second row. Pry the covers off at the rear edge

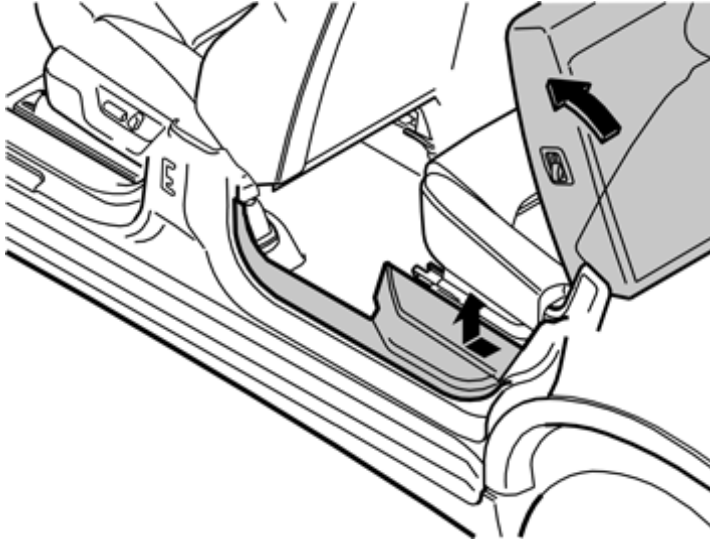
Remove the screws underneath.



# Installation instructions, accessories

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10A



**Illustration A**

Detach the top edge of the sill trim panel to access the seat belt mounting in the end mounting.

**Illustration B**

Remove the seat belt from the end mounting. First carefully press down the lug as illustrated in illustration B so that the seat belt releases from the end mounting. Use a weatherstrip tool.

**Illustration A**

Continue to pull off the sill trim panel until the remaining clips release

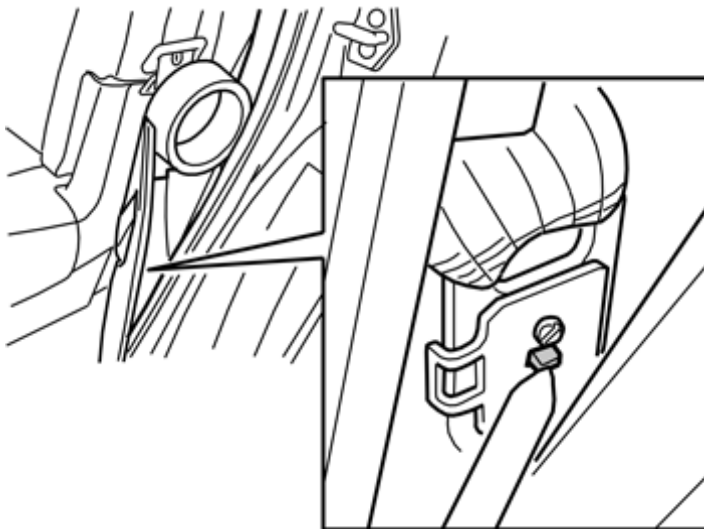
Unhook the sill trim panel from the B-post panel. Place the sill trim panel in the cargo compartment

Remove the seat.

**Note!**

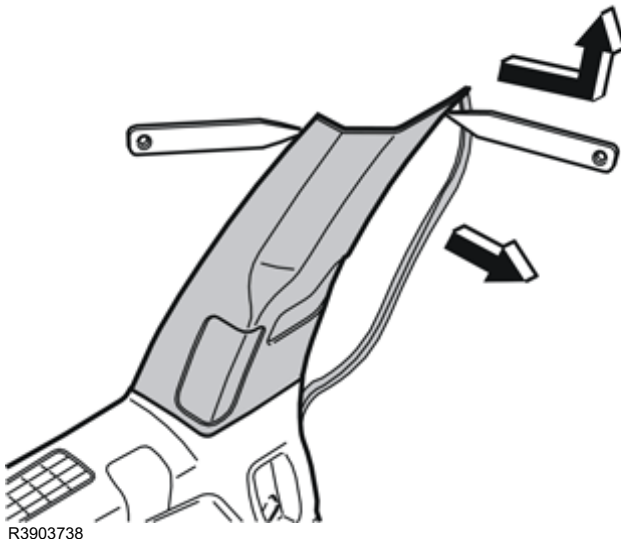
Lift the seat out of the passenger compartment carefully. Ensure that the mountings do not damage the door panels.

R8504312  
10B



R8803236

11



R3903738

**Applies to all models**

Pull off the rubber strip at the rear edge of the door opening for the left-hand rear door opposite the left C-post panel

Carefully pry off the left-hand C-post panel at the sides at the top edge. Use a plastic weatherstrip tool. Pull off until the three clips on the inside release. Do not damage the headlining or the panel

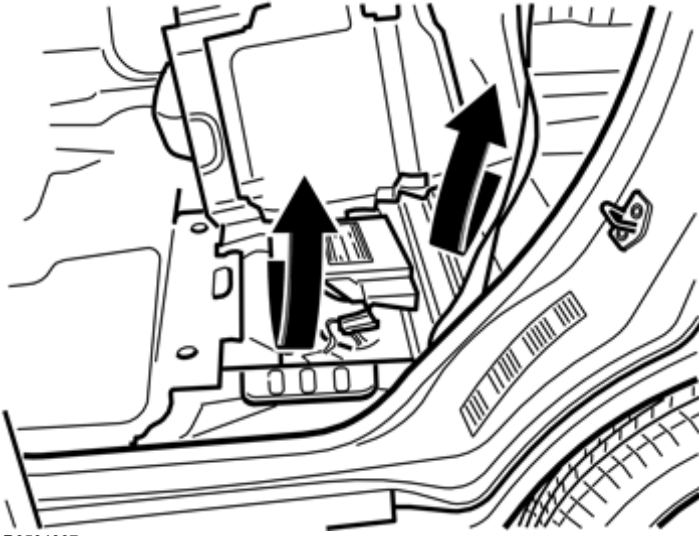
Remove the panel by pulling upwards slightly and unhooking it from the side panel.



# Installation instructions, accessories

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**Applies to cars up to and including model year -2004 (CH -133999)**

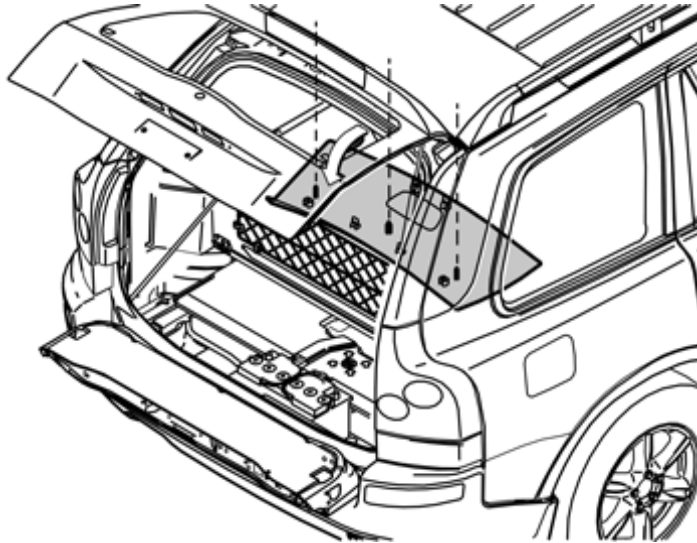
Fold up the floor carpet. Secure the floor carpet using one of the seat belts

Carefully fold up the insulation. Place a shim underneath so that the connector bridge can be exposed.

**Note!**

Do not damage the insulation. It is brittle and breaks easily.

13



**Applies to all models**

Remove the covers and the screws underneath for the rear headlining

Carefully pry off the panel at the rear edge. Use a plastic weatherstrip tool

Pull the rear edge of the panel downwards until all clips on the inside have released

Disconnect the connector for the rear roof lighting (applies to cars with three rows of seats)

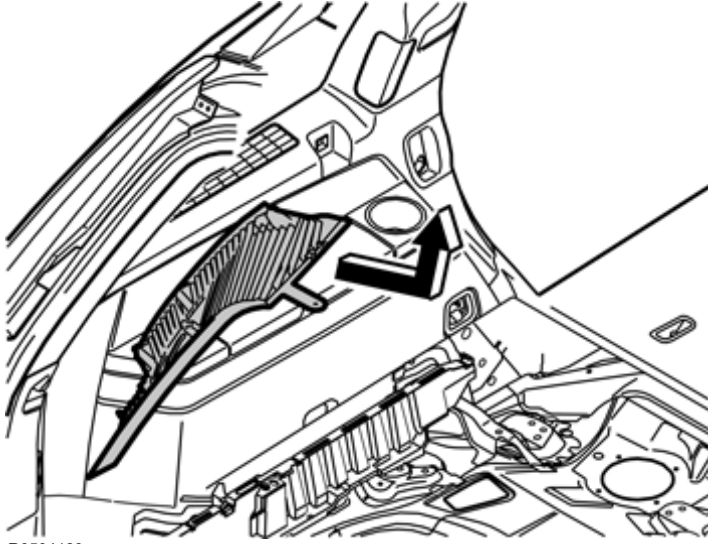
Pull the panel backwards to release it.



# Installation instructions, accessories

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Pull off the left-hand D-post panel starting at the top edge. Then pull downwards until the three clips on the inside have released. Do not damage the panel

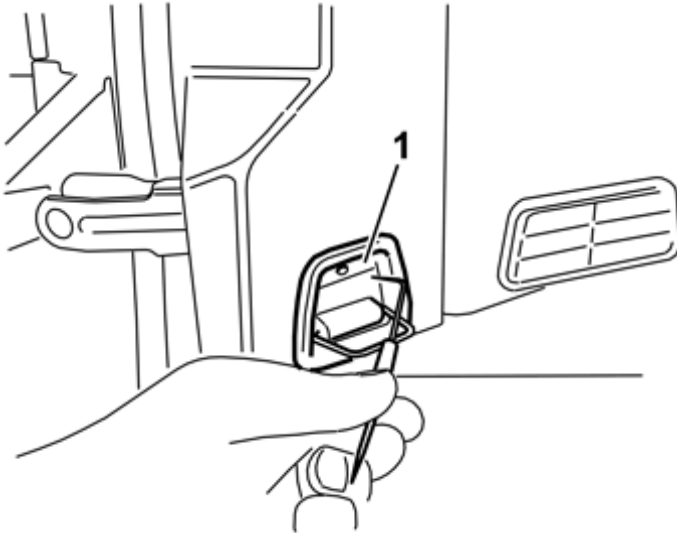
Remove the panel by pulling upwards slightly and unhooking it from the side panel. Disconnect the connector if the car has a loudspeaker in the D-post.



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15A



**Illustration A shows the removal of the cover for the load securing eyelets for all models**

Fold out the load securing eyelet

Insert a scribe with an angled tip into the hole in the top of the cover

Turn the scribe so that the angled tip engages in the reverse of the cover (1). Pull the cover off.

**Illustration B applies to cars with two rows of seats**

**Illustration C applies to cars with three rows of seats**

Fold up the seats in the third row (applies to cars with three rows of seats)

Remove the screws (2) for the load securing eyelets in the left-hand side panel

Remove the covers (3) over the front mountings for the left-hand side panel. Pry the covers off. Use a plastic weatherstrip tool or a small screwdriver

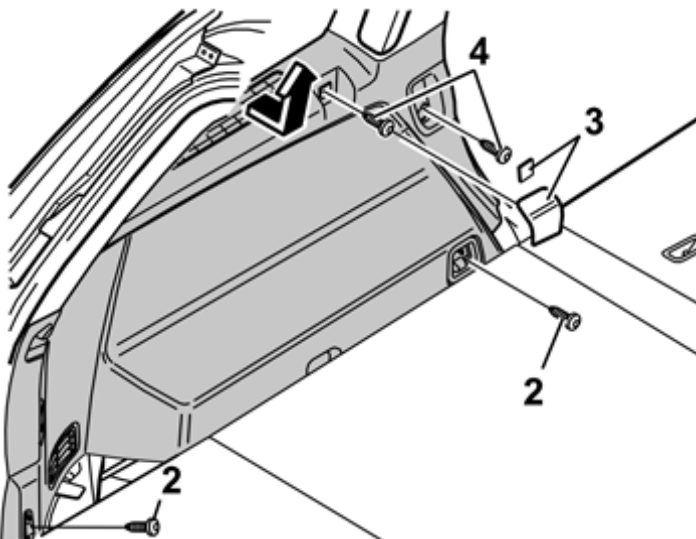
Remove the screws (4)

Remove the clip (5) at the bottom of the storage compartment in the panel (Applies to cars with three rows of seats)

Pull up the panel slightly at the top edge so that the clips on the inside release. Remove the panel by pulling it straight upwards.

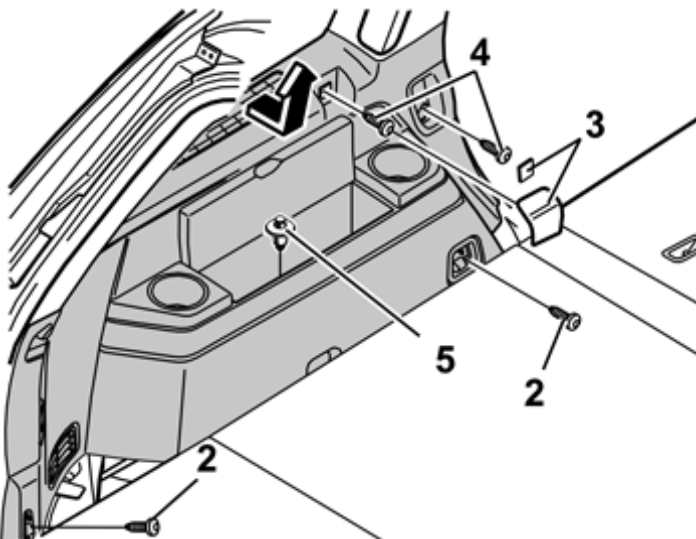
R8504313

15B



R8504315

15C



R8504316

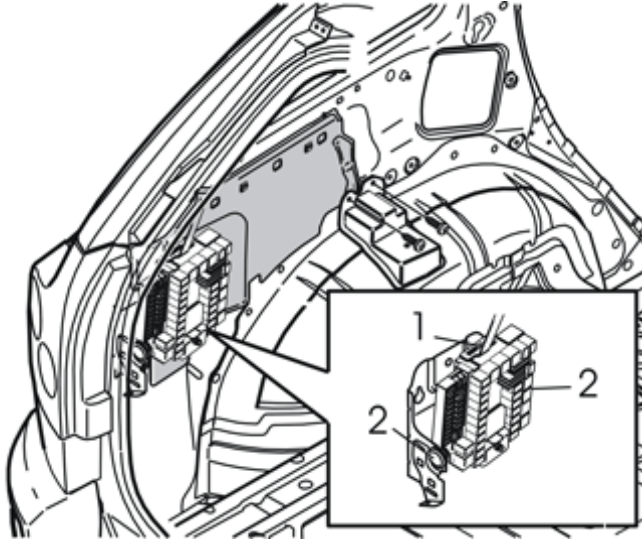




# Installation instructions, accessories

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16A



R3904162

## Illustration A

Remove the rear electronic module (REM). First release the catch (1) on the top of the module

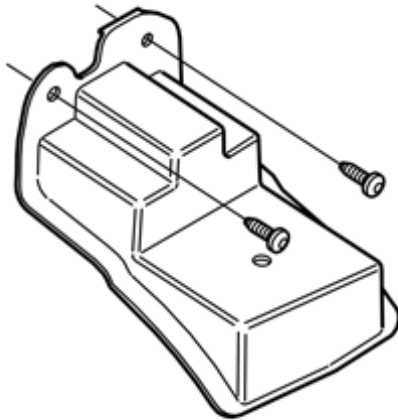
Fold the module forwards. Lift it out of the mountings (2) and place it to one side.

## Illustration B

### Applies to cars with three rows of seats

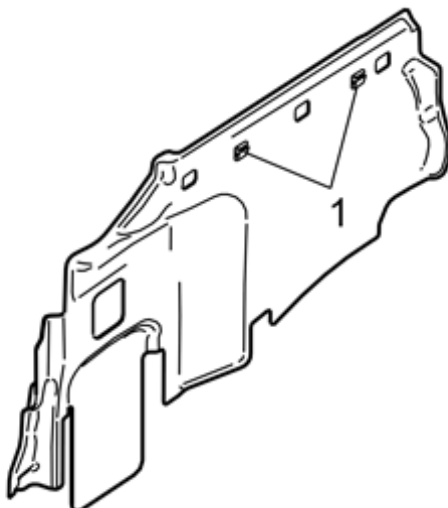
Remove the panel support at the top edge of the left-hand wheel arch. The panel support is secured using two screws.

16B



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17



R8504463

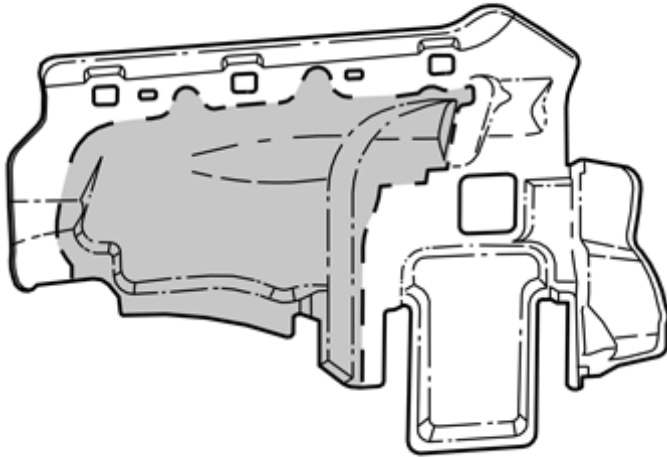
Remove the insulation panel above and behind the left-hand wheel arch. The insulation panel is secured with two clips (1).



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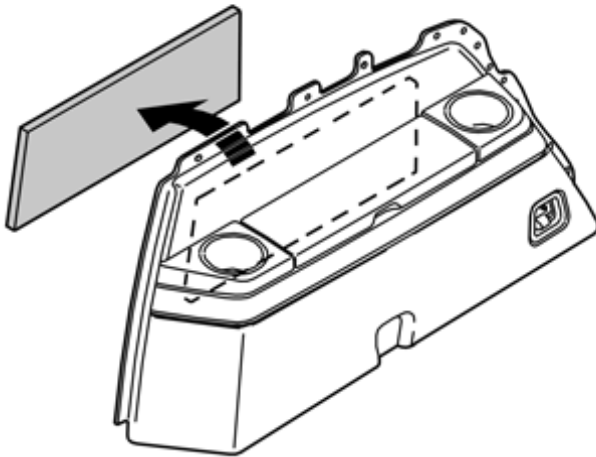


Go over the embossed dotted line on the reverse of the insulation panel using a marker pen (see the illustration)

Cut out the insulation panel following the marking. Reinstall the insulation panel.

R8504449

19



Take the left side panel and carefully cut away the insulation on its reverse to expose an area in front of the subwoofer.

R8504107

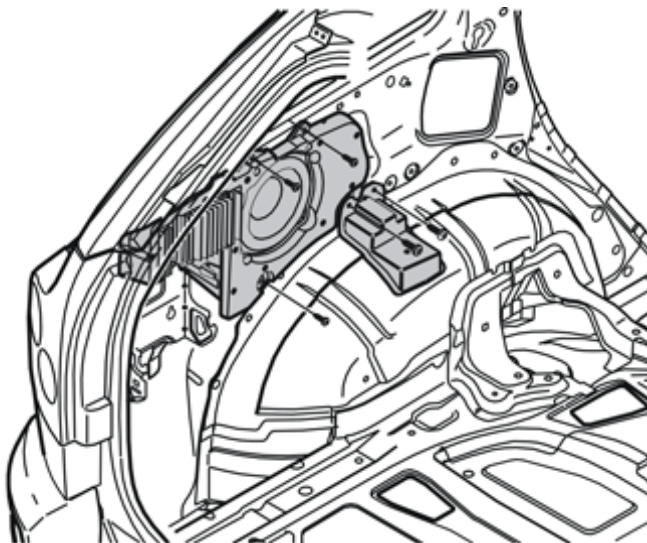
## Installing the subwoofer



# Installation instructions, accessories

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R3903725

## Installing the subwoofer

### Applies to cars with two rows of seats

Take the subwoofer, the four screws and the washer from the kit

Secure the subwoofer using the screws in the existing welded nuts above and behind the left-hand rear wheel arch. The washer must be positioned at the front/lower mounting of the subwoofer.

### Applies to cars with three rows of seats

Take the subwoofer and the four screws from the kit

Secure the subwoofer using the two upper and the lower rear screws in the existing welded nuts. (The front/lower screw is the same as the rear screw for the panel support.)

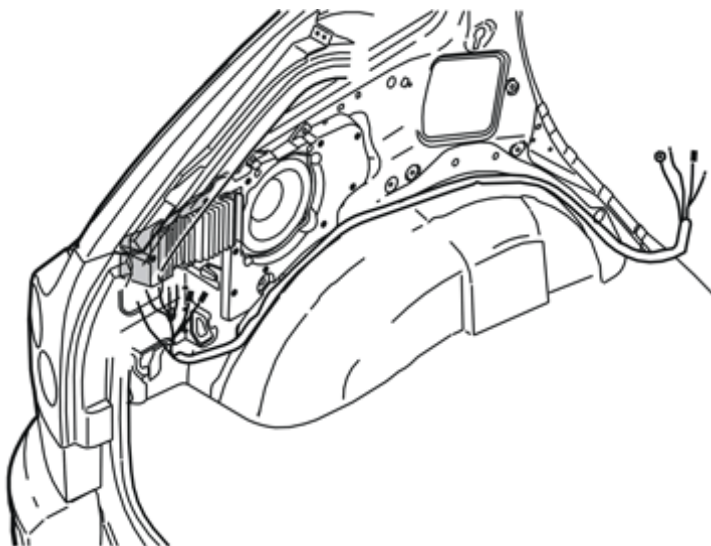
Reinstall and tighten the panel support. (The washer is not required).

### Applies to all models

Tighten the M6 screws. Tighten to 10 Nm (7 lbf.ft.). Tighten the M8 screw. Tighten to 24 Nm (18 lbf.ft.).

## Cable routing and connecting to the fusebox and Subwoofer

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R3903977

## Cable routing and connecting to the fusebox and Subwoofer

### Applies to cars up to and including model year -2004 (CH -133999)

Take the cable harness (A in the kit illustration) from the kit. Position the end of the cable harness, with two plastic connectors, at the rear of the fuse holder

Route the cable harness along the upper edge of the left-hand rear wheel well. Continue along the front edge of the wheel arch, under the member for the rear mounting for the second row of seats and up to connector bridge under the left-hand seat on the second row of seats.

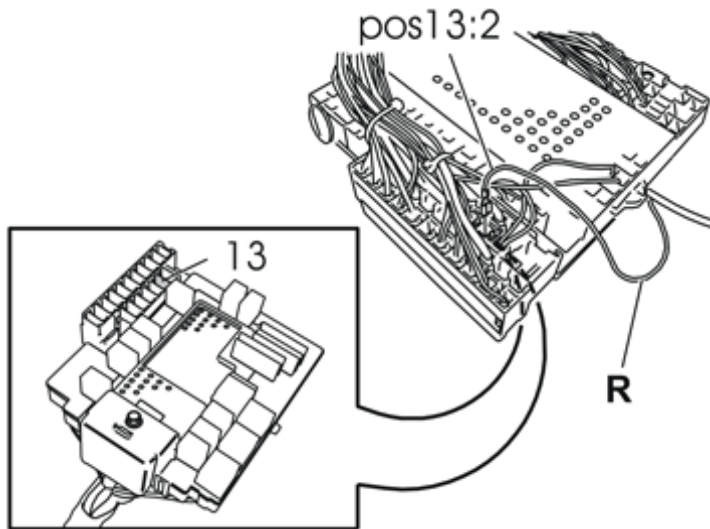




# Installation instructions, accessories

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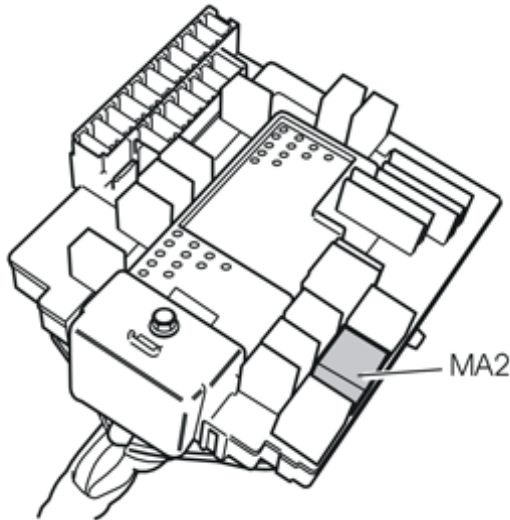


R3703055

Take the red cable from the cable harness. Install the cable on the reverse of the fusebox in position 13 and socket 2 as illustrated

Take the 15 Amp fuse from the kit. Install the fuse in position 13 in the fusebox.

23



R3702994

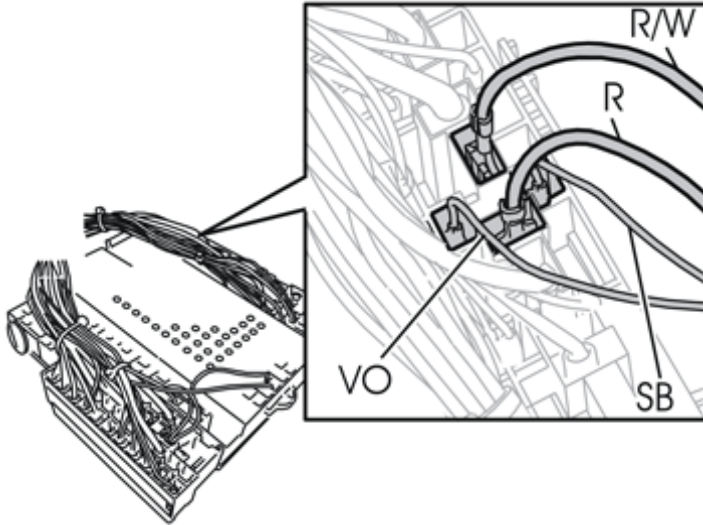
Take the relay from the kit. Install the relay in position MA2 in the fusebox.



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R3703056

Connect the four contiguous cables on the reverse of the fusebox to relay position MA2 as follows:

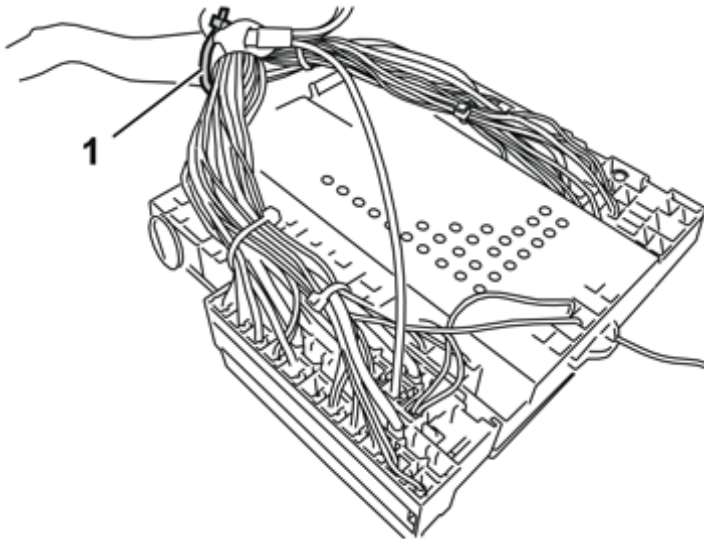
Red/white (R/W) cable to terminal 1

Black (SB) cable to terminal 2

Red (R) cable to terminal 3

Violet (V) cable to terminal 4.

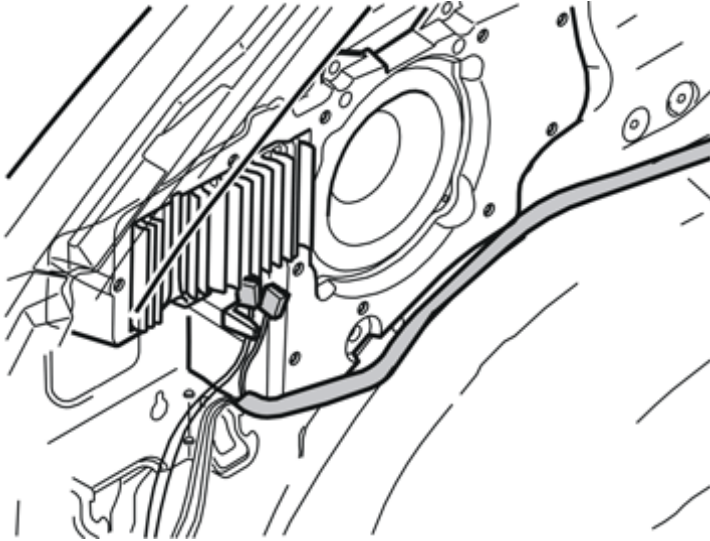
25



R3702991

Clamp the cables connected to the reverse of the fusebox at the cable harness for the fusebox. Use a tie strap (1) from the kit.

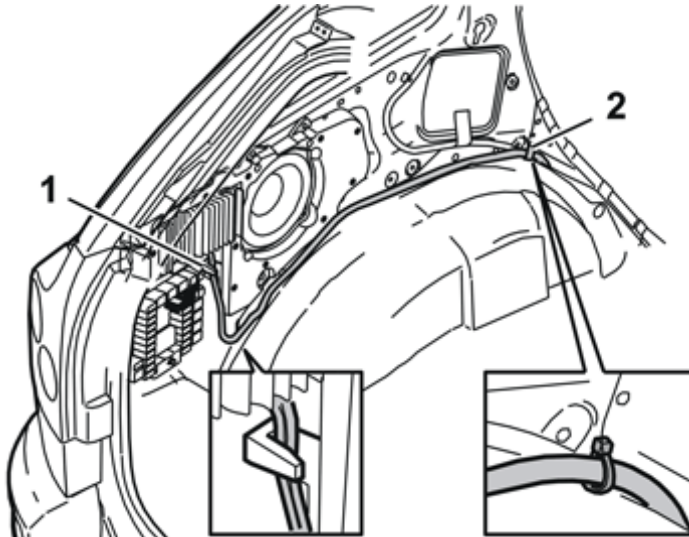
26



R3702983

Connect the two connectors on the cable harness to the two sockets underneath the amplifier section of the subwoofer.

27



R3702982

Press the cable harnesses into place on the subwoofer into the existing clamp (1)

Reinstall the fusebox

Now adjust the routing of the cable harnesses up to the front edge of the wheel arch so that it reaches the subwoofer. Carefully press the cable harness under the lower edge of the subwoofer so that it remains in place. Clamp the cable harness at point (2) using a cable harness from the kit.

#### **Applies to cars with three rows of seats**

Ensure that the cable harness is positioned as far to the left as possible on the panel support for the left-hand side panel. This is to prevent the cable harness from being trapped

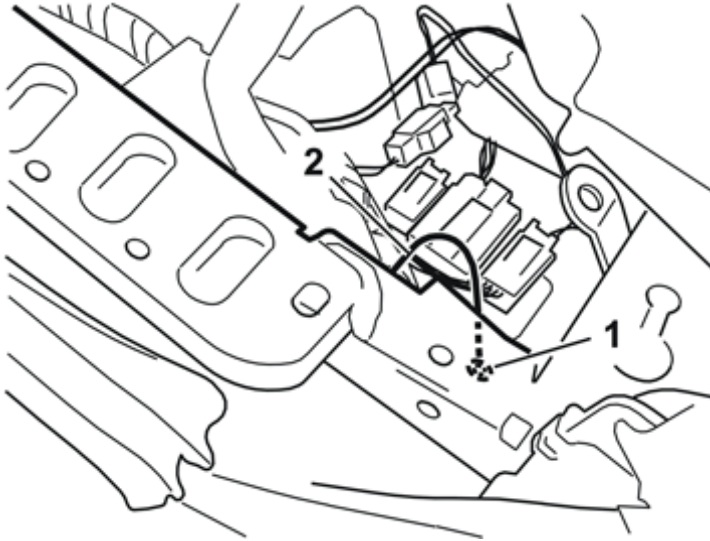
Tape the cable harness at the panel support.



# Installation instructions, accessories

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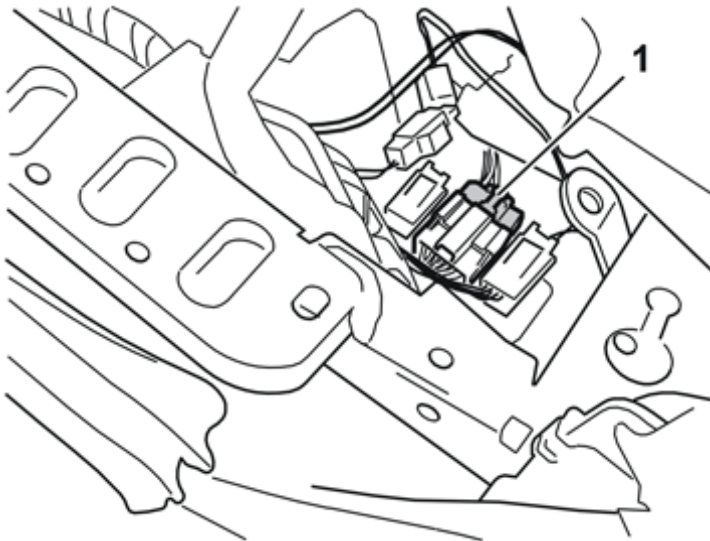
28



R3702987

Slacken off the screw for the existing ground lead under the panel (1). Pull up and connect the routed ground lead (2) together with the existing ground lead. Tighten the screw.

29



R3702989

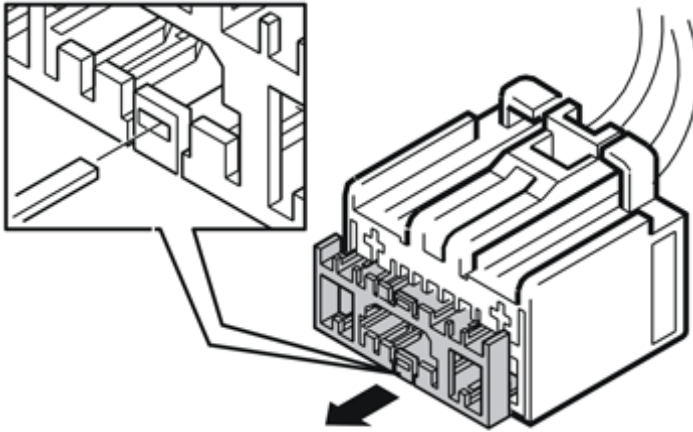
Press down the catch on top of the largest connector (1) (14-pin). Pull it off the connector in the connector bridge.



# Installation instructions, accessories

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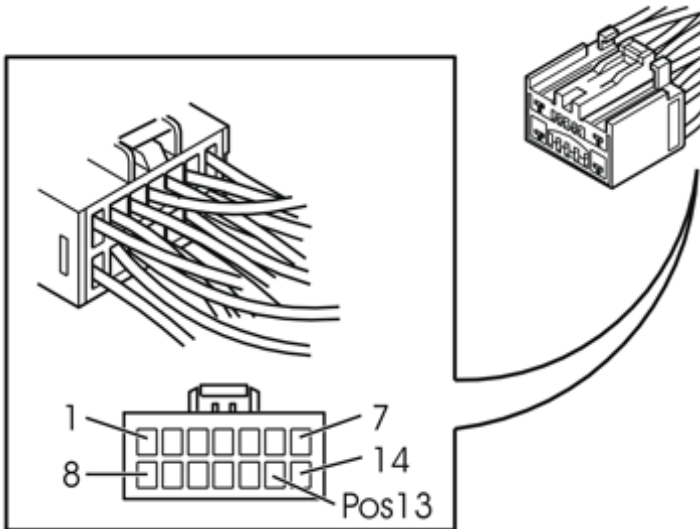
30



Depress the catch on the red secondary lock on the connector.  
Pull the connector out to its limit position.

R3702996

31



Take the violet cable and install it in terminal 13 on the reverse  
of the connector as illustrated

Press the secondary lock into place on the connector. Reinstall  
the connector.

R3702997

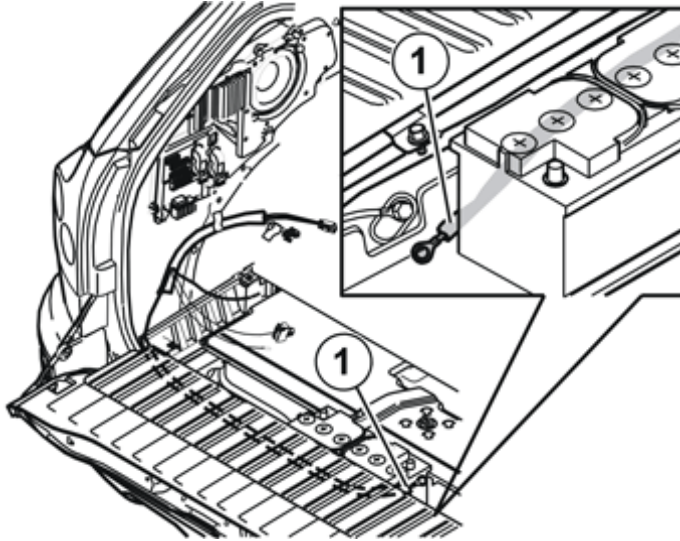




# Installation instructions, accessories

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R3703436

**Applies to cars from model year 2005- (CH 134000-)**

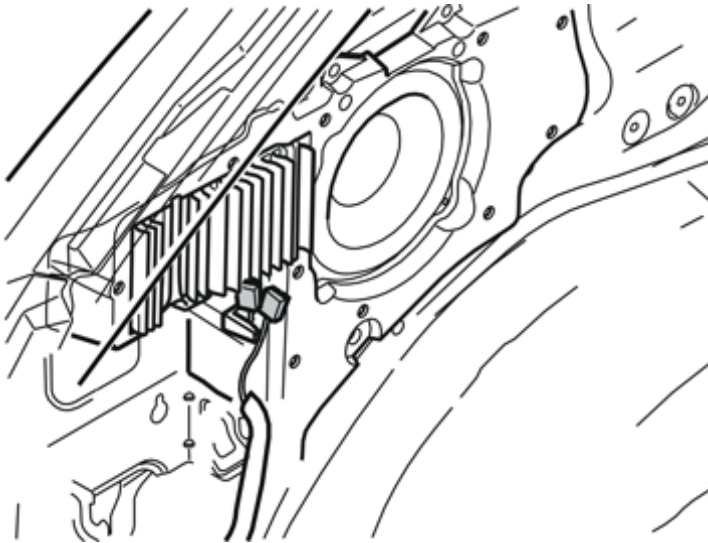
Take the cable harness B (see the kit illustration) and position as illustrated

Route the ground lead (1) through the socket at the rear edge of the left-hand floor support. Continue to route the cable behind the battery and up to the ground terminal at the rear crossmember on the right-hand side of the battery

Remove the existing ground terminal. Install the routed ground lead

Tighten the ground terminal securely.

33



R3703449

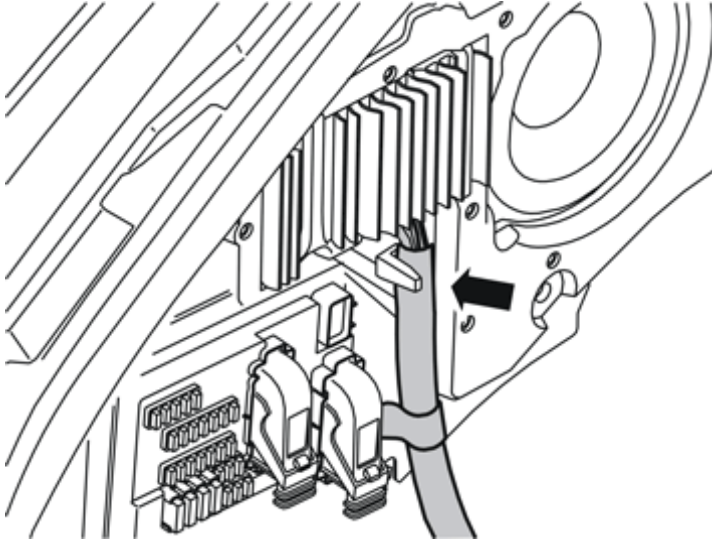
Connect the two bound connectors on the cable harness to the two sockets underneath the amplifier section of the subwoofer.



# Installation instructions, accessories

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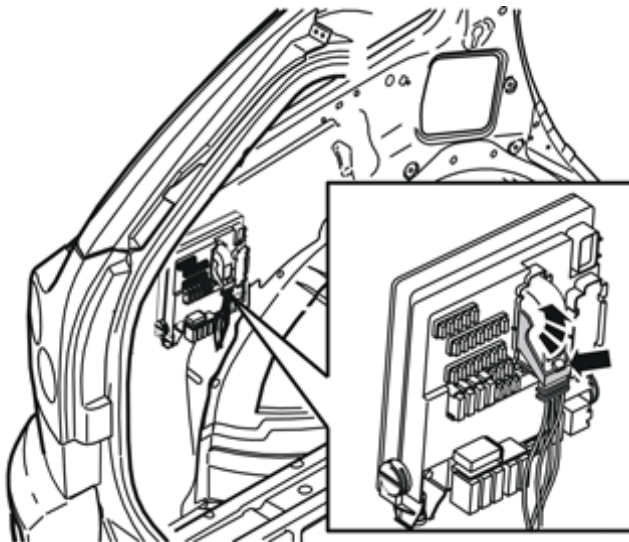
34



R3703438

Press the cable harness connected to the subwoofer into the existing clamp.

35



R3703393

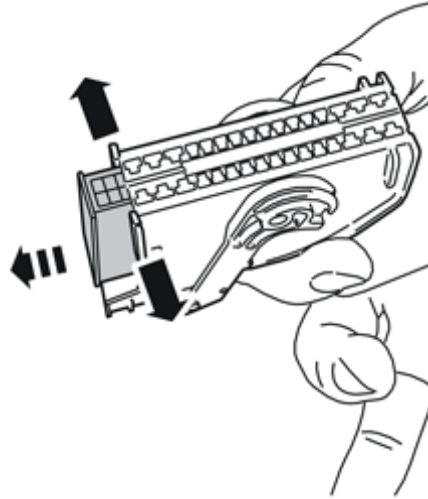
Press in the catches on the rear brown connector in the fuse holder in the cargo compartment. Turn up the lock arm as far as possible. Pull out the connector.



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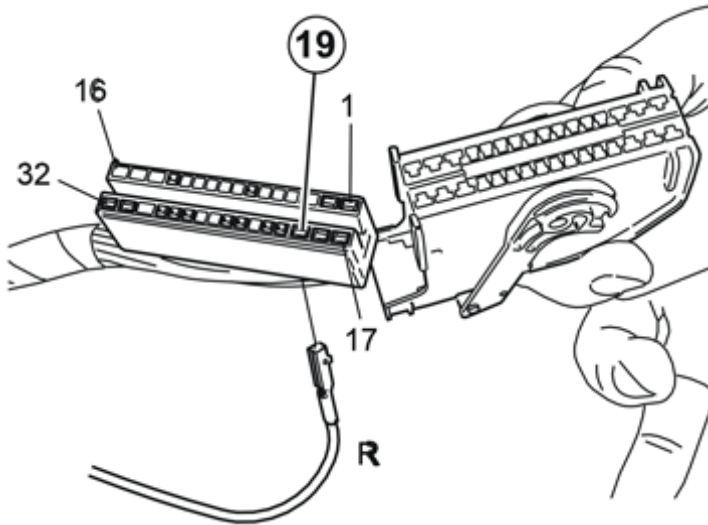


Carefully pull apart the sides of the holder for the connector at the ends so that the connector can pass by the catches

Pull the connector out.

M3703307

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## Note!

Make a note of the position number of the connector. The position numbers are located on the ends of the connector and in the bottom of the fuse holder.

Connect the new red (R) cable to terminal 19 in the connector. If the car is prepared for rear air conditioning (A/C) there is already a cable installed in this terminal. Disconnect the cable. Insulate the cable. Secure the cable. Press in the new red (R) cable instead

Press the connector into its holder. Reinstall the connector to the fuse holder.

R3703391

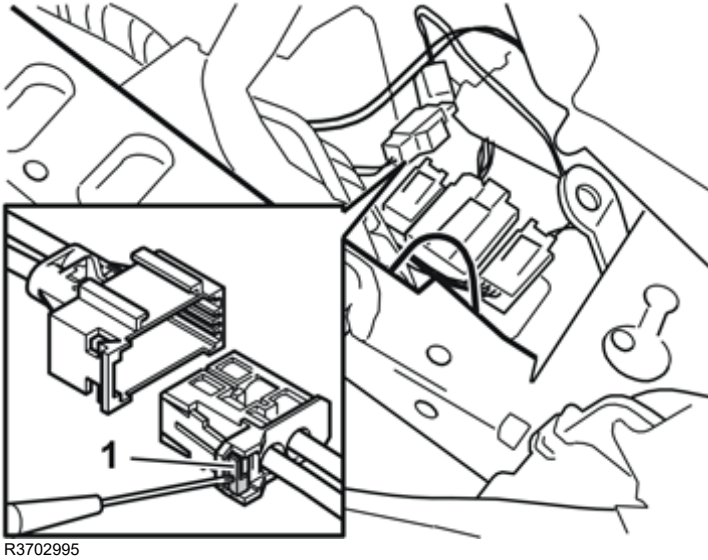




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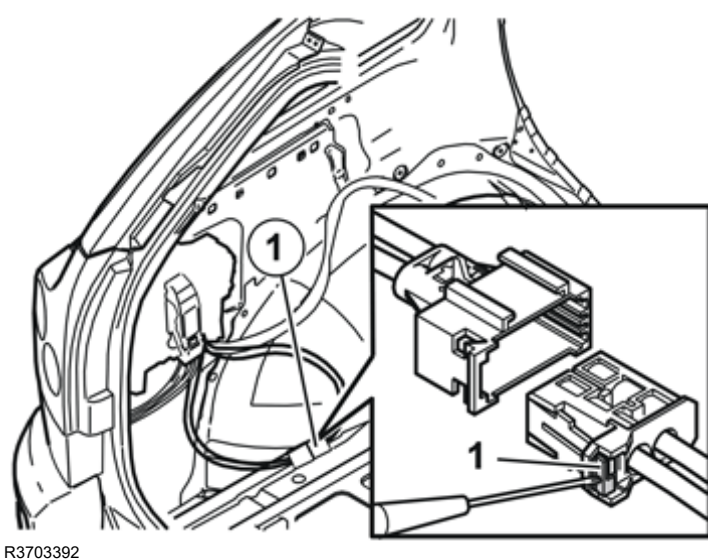


**Applies to cars up to and including model year -2004 (CH -133999)**

Carefully pull the cable splice for the existing orange fibre optic cables to the side of the connector bridge

Disconnect the connectors from each other. First depress the catch (1) and then separate them.

39



**Applies to cars from model year 2005- (CH 134000-)**

Carefully pull the pipe coupling to the existing orange fibre optic cables, under the rear fuse holder

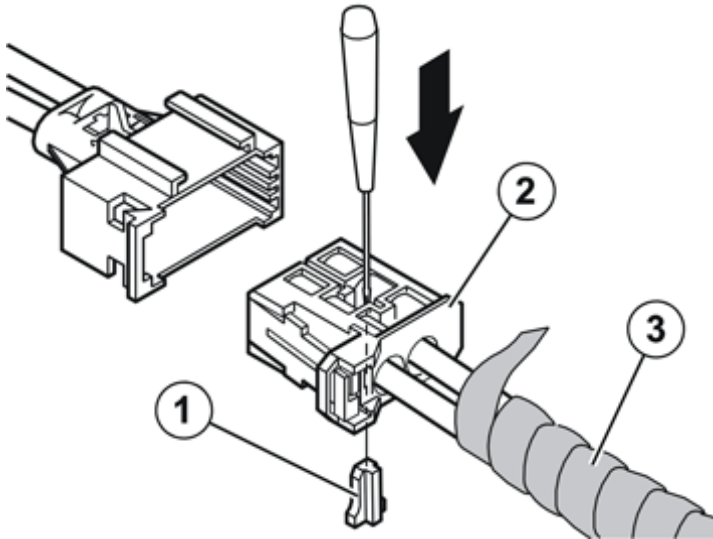
Disconnect the connectors from each other. First depress the catch (1) and then separate them.



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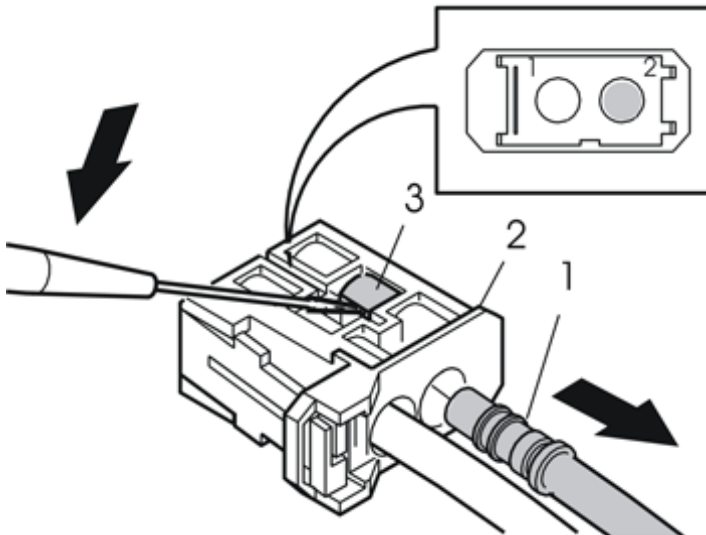
R3703483

## Applies to all models

Detach approximately 10 cm of tape so that the wiring can move freely. Cut off the detached piece of tape

Carefully press out the blue catch (1) in the connector (2). Do not damage the catch. It is small and falls out easily.

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R3702977

Remove the fibre cable (1) from the connector (2). First carefully pry up the locking tab (3) and at the same time pull off the fibre optic cable.

## Note!

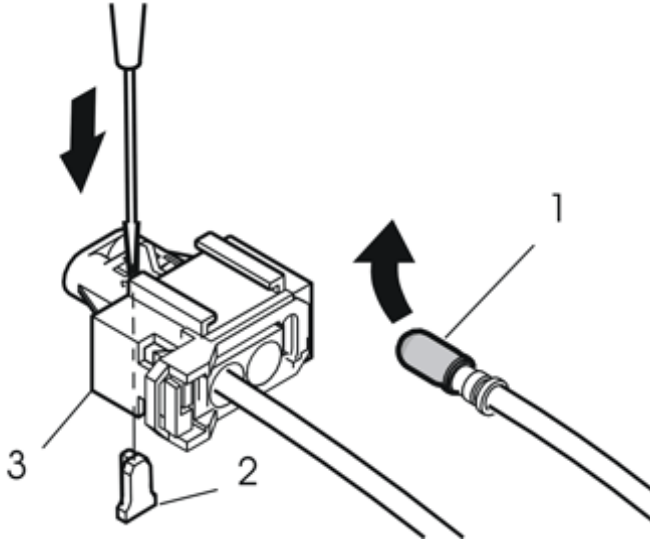
Do not open the locking tab more than is necessary as it is fragile and easy to break.



# Installation instructions, accessories

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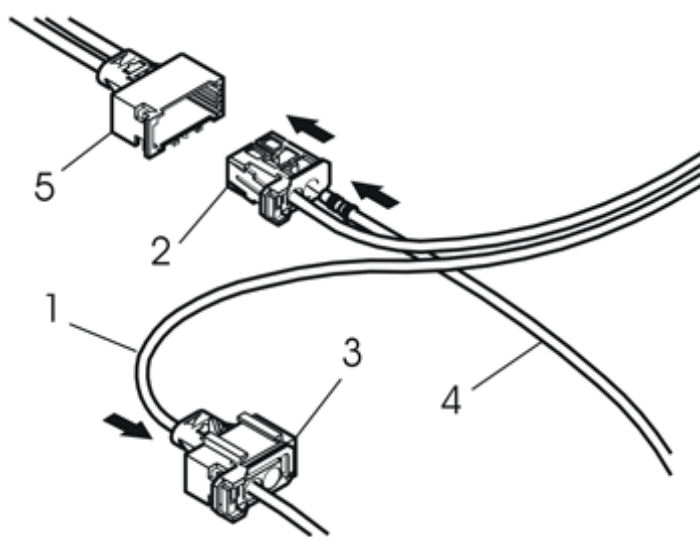
R3702978

Take the pre-routed cable harness

Carefully press out the blue catch (2) in the connector (3). Do not damage the catch

Remove the protective cap (1) from the loose fibre optic cable in the cable harness.

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R3702980

Press in the fibre optic cable (1) (previously disconnected from the existing connector in the car) into the connector (3) until there is an audible click.

## Note!

The fibre optic cables must be positioned opposite each other so that they meet in the connector.

Reinstall the blue catch

Press the fibre optic cable (4) (from the routed cable harness) into place in the same position in the connector (2) where the existing fibre optic cable was disconnected previously. There must be an audible click

Reinstall the blue catch

Connect connectors 2 and 5 to each other.

## Finishing work

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## Finishing work

Reinstall the fibre optic cables and secure the two loose connectors at the existing cable harness. Use tape or tie straps from the kit.

## Note!

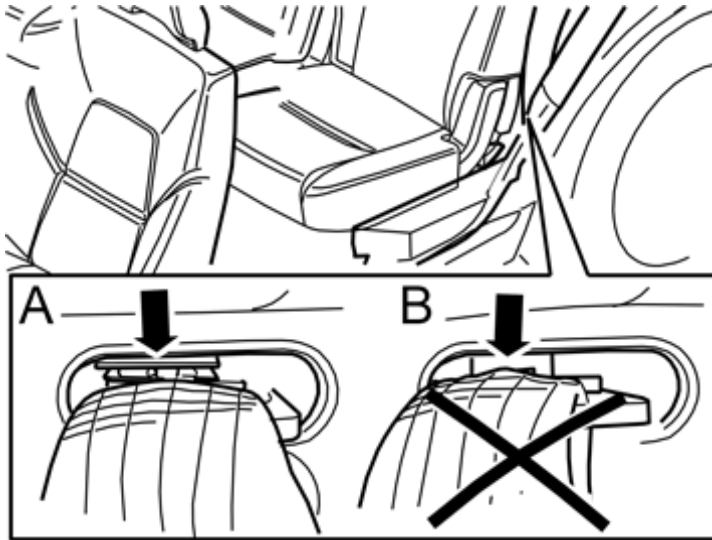
Ensure that the fibre optic cables do not have a radius of more than 30 mm (1 3/16") and are not positioned so that there is a risk of being trapped or rubbed.

Remove the shim under the polystyrene insulation and then reinstall. (Applies to cars up to and including model year -2004 (CH -133999))



# Installation instructions, accessories

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R8803234

Fold back the carpet. (Applies to cars up to and including model year -2004 (CH -133999))

Reinstall the side panel and cover using screws. Tighten the screws for the load securing eyelets. Tighten to 24 Nm (18 lbf.ft)

Reinstall the D-post panel and connect the connector for the D-post loudspeaker (if applicable)

Connect the connector for the lighting in the rear headlining (applies to cars with three rows of seats)

Reinstall the rear headlining

Reinstall the C-post panel. (Applies to cars up to and including model year -2004 (CH -133999))

Reinstall the seat. Tighten the screws. Tighten to 48 Nm (35 lbf.ft). (Applies to cars up to and including model year -2004 (CH -133999))

Reinstall the panel over the door sill and the panels over the seat mountings as well as the panel at the bottom edge of the B-post panel. (Applies to cars up to and including model year -2004 (CH -133999))

## Note!

See the illustration!

Press the seat belt into the end mounting.

## Note!

A click should be heard when the seat belt is locked correctly into the end mounting.

## Note!

Check that the seat belt engages correctly in the end mounting by looking at the reverse of the mounting. The position of the lock facing against the end mounting, with the seat belt fully inserted, must be: A= Correct position. B= If the lock facing does not lock correctly against the end mounting (see A), replace the end mounting for a new one.

## Note!

Check that the seat belt is securely positioned by jerking the belt upwards.

(Applies to cars up to and including model year -2004 (CH -133999))

Re-position the seats

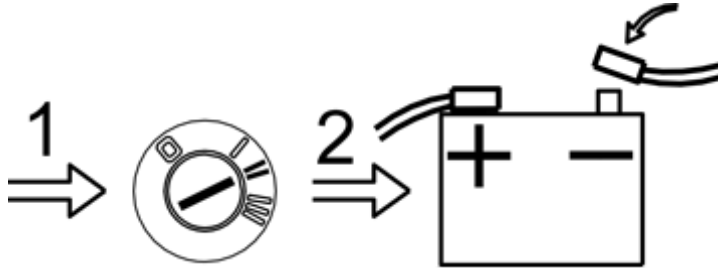
Reinstall the folding panel.



# Installation instructions, accessories

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Turn the ignition key to position II

Reconnect the battery negative lead

Reinstall the left-hand side floor hatch and the storage boxes

Reposition the floor hatches

Program the software according to the service information in VIDA.

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