



XC90

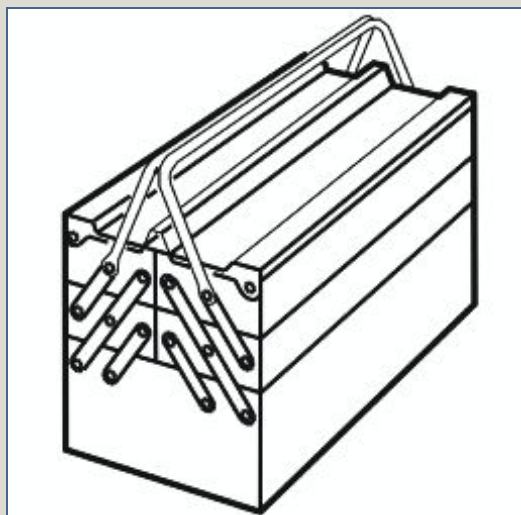
Section	Group	Weight(Kg/Pounds)	Year	Month
3	39		2002	06

XC90 2003, XC90 2004, XC90 2005, XC90 2006, XC90 2007, XC90 2008, XC90 2009, XC90 2010

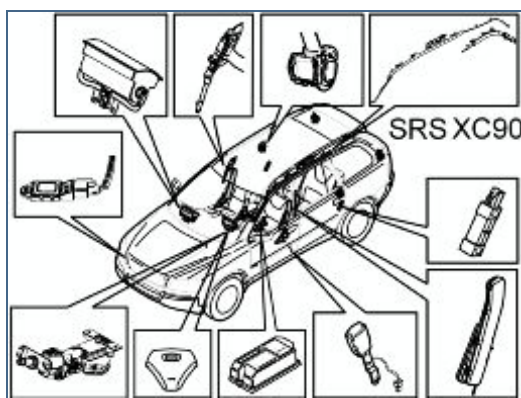
Replaces issue: 2001 12



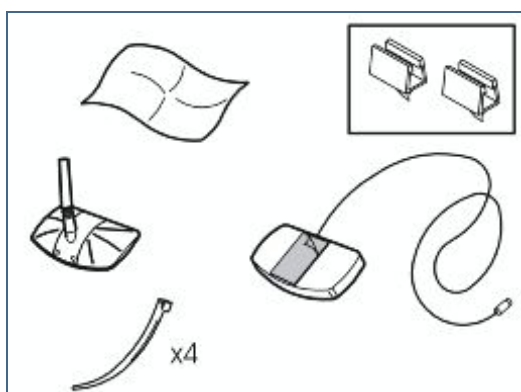
Required tools



A0000162



R8802817



R3903907



Any comments on this publication? Please contact your nearest dealer. Thank you!

Publication no: MA 8685982, Issue: 2002-06
Comments:.....
From:.....
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INTRODUCTION

- **NOTE! Read through the whole installation instruction before starting the work.**
- The front page gives the date of this edition and the edition it replaces
- The second page shows the tools needed for the installation and the contents of the installation kit
- The illustrations display the procedure in order of operation. The order of operation is repeated in the text section
- Cut out the text page in order to follow the illustrations and text at the same time.

Cars equipped with SRS/SIPS (Airbag)

Warning!

Extra care must be taken when working on cars equipped with SRS/SIPS air bags. This is important to prevent:

1. Personal injury
2. Damage to or malfunction of the SRS/SIPS system.

Work on the SRS/SIPS systems or related components must always be carried out by an authorised Volvo workshop.

Is the car equipped with SRS (supplemental restraint system)?

Cars equipped with a driver's airbag have the letters "SRS" imprinted on the centre panel of the steering wheel. Cars equipped with driver's and passenger airbags are marked with "SRS" on both the steering wheel centre panel and also on the dashboard close to the airbag.

If the car is equipped with SIPS (side impact protection system) a "SIPS" decal is marked on both the front seats.

Cars equipped with inflatable curtains have the marking "SRS" on one of the panels along the posts on the inside of the car.

Cars equipped with SRS (supplemental restraint system) also have an "SRS" decal on the front windscreen.

Do not damage the SRS wiring!

Do not trap, chafe, pierce or damage the SRS wiring. SRS wiring has orange casing and/or is plaited.

Steering and front suspension

The contact reel in the SRS system can easily be damaged when working on the steering wheel, steering shaft or steering gear. Refer to the SRS (supplemental restraint system) Service Manual or service instructions in VIDA for information on carrying out such work. This is to prevent damage.

SRS warning lamp

If the SRS warning lamp lights after repairs have been carried out, take the car to an authorised Volvo workshop.

SRS collision sensor control module

S60 / V70 (00-) / S80 / XC90

The collision sensor control module is located on the tunnel under the



centre console, in front of the parking brake.

CAUTION!

The air bag inflation areas must not be obstructed. Never place any objects, such as upholstery or accessories, within these areas. The panels must be able to open in the correct manner at the right time, otherwise there is an increased risk of personal injury in the event of a collision.

CAUTION!

The ignition must be in position "0" and the key removed from the ignition switch if any connector in the SRS system is to be unplugged. Then wait at least one minute and disconnect the battery negative lead before unplugging any of the connectors. When work is completed, the ignition key must be turned to position "II" before reconnecting the battery negative lead.

Glass mounted GSM combined aerial

Caution!

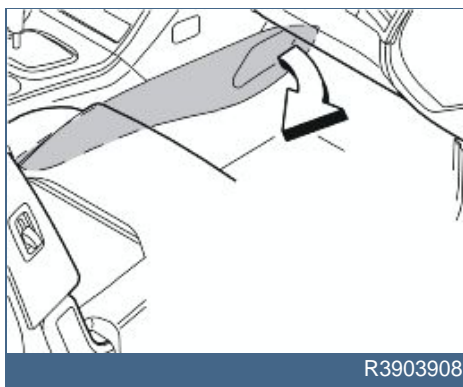
The aerial must be removed from the external base module if using a carwash.

Note!

When installing the aerial the window must remain at a temperature of at least +10°C.



1

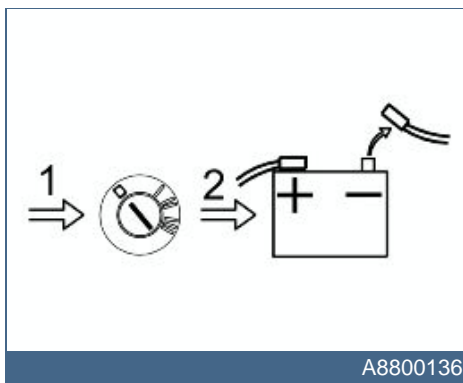


R3903908

Preparations

- Remove the right-hand side panel from the centre console. Pull off the panel starting at the front edge. Then pull backwards until all the clips release.

2



A8800136

Preparations

Applies to cars with power front seats

- Position the right-hand front seat so that the panels over the front and right rear seat mountings, and the small panel at the lower edge of the right-hand B-post are not obstructed. They will be removed later after disconnecting the battery negative lead.

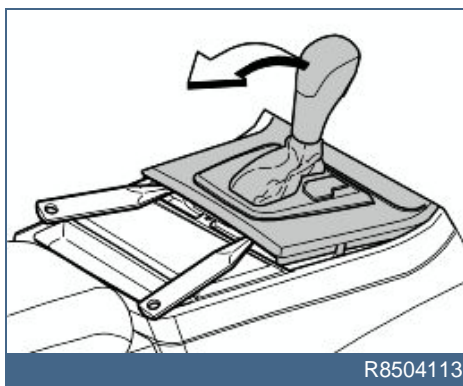
Applies to all models

- 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.

3



R8504113

Preparations

Applies to cars with automatic gearboxes

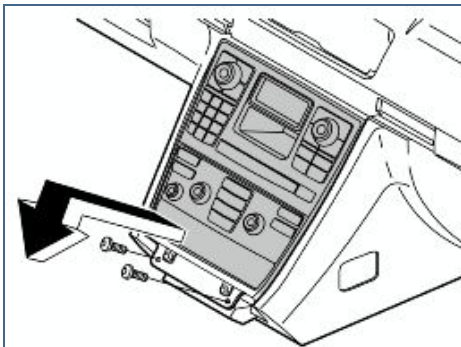
- Turn the ignition key to position II.

Applies to all models

- Move the gear selector lever to its rearmost position
- Carefully pry off the gear selector lever panel at the lower edge using a weatherstrip tool. Pull the panel backwards to access the screws for the dashboard environment panel.



4

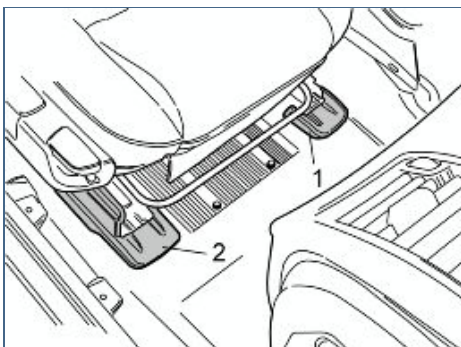


R8504051

Preparations

- Remove the screws holding the bracket for the dashboard environment panel and the control module
- Pull out the bracket at the lower edge. Pull downwards from the top edge of the centre console
- Disconnect the connectors from the dashboard environment panel, control module. If applicable disconnect the CD player and/or Mini disc player connectors.

5

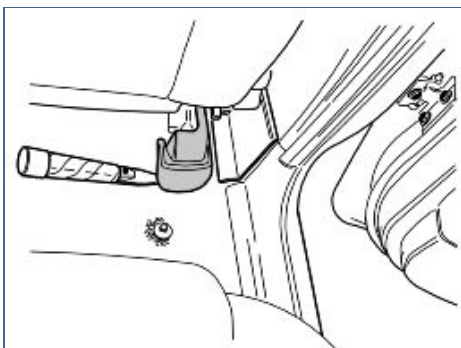


R8504168

Preparations

- Remove the cover (1) on the left front mounting on the right-hand front seat by prying off the front edge
- Pry off the front edge of the right panel (2). Remove the panel.

6

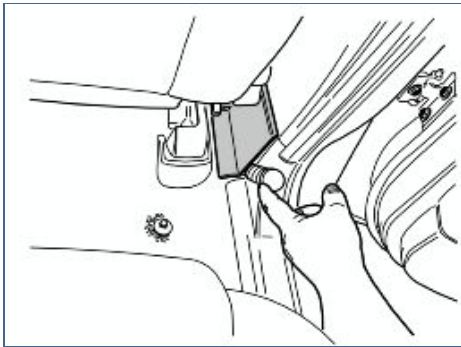


R8504241

Preparations

- Remove the panel on the right rear mounting on the right-hand front seat. Pry it up slightly at the rear edge and then pull it back / upwards.

7



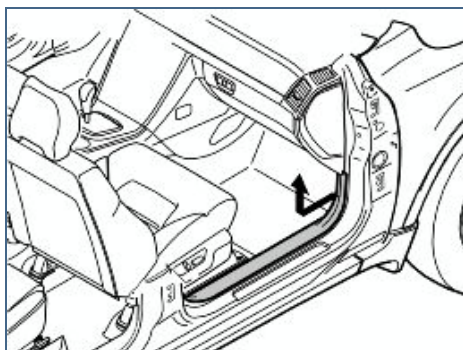
R8504169

Preparations

- Carefully pry off and remove the panel above the joint between the right-hand door sills, at the lower edge using a weatherstrip tool.



8

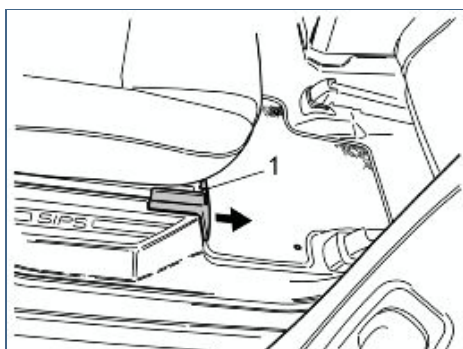


R8504170

Preparations

- Detach the sill trim panel for the right-hand front door. Pull off the panel starting at the front edge until the clip releases. Continue backwards until the remaining clips have released
- Unhook the sill trim panel from the B-post panel.

9

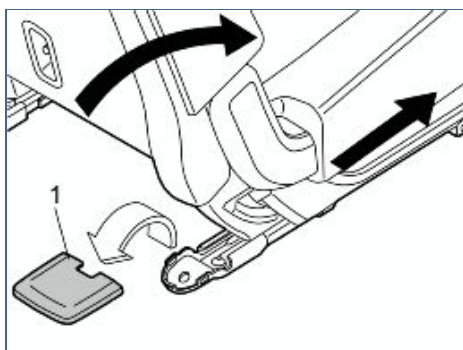


R8504171

Preparations

- Remove the panel in the right-hand front seat mounting on the right-hand seat in the second row. Push up the catch (1) on the top. Pull the panel forward.

10

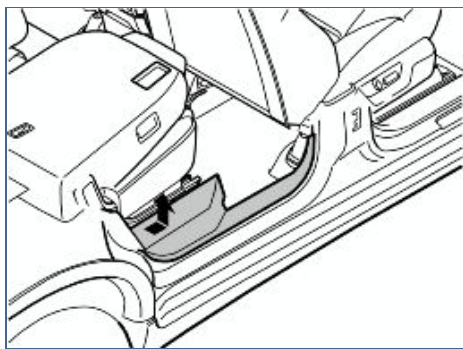


R8504172

Preparations

- Fold the backrest on the right-hand seat in the second row forward as far as possible. Slide the front seat forward as far as possible. (On cars with two rows of seats, the second row is secured.)
- Remove the cover (1) for the right rear seat mounting by prying off the rear edge.

11A



R8504173

Preparations

Illustration A

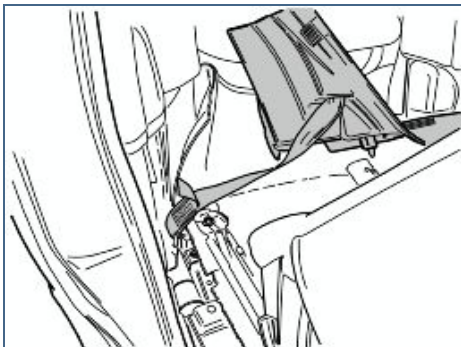
- Remove the sill trim panel for the right-hand rear door. Pull the rear edge until the clips release. Continue forwards until the remaining clips have released.

Applies to cars with two rows of seats

- On cars with two rows of seats the seat cannot be slid forwards. To remove the sill trim panel; Start by folding the backrest forward when pulling the rear edge of sill trim panel loose. Then reposition the backrest to raise the seat cushion and provide more room for removing the sill trim panel. It is securely positioned. Do not damage the panel and surrounding components.



11B

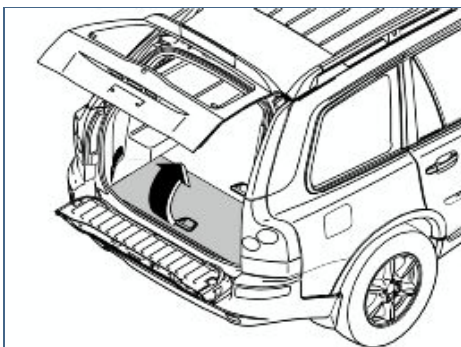


R8504174

Illustration B

- Unhook from the B-post panel and place in the second/third row of seats.

12A



R8503999

Preparations

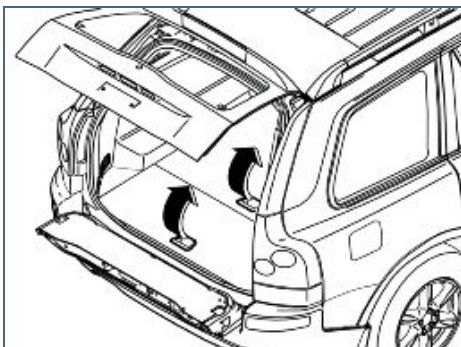
Applies to cars with three rows of seats and integrated carrier bag holder on the under side of the centre floor hatch

- Fold the rear centre floor hatch up
- Detach the two straps from the panel underneath. Lift up the panel at the rear edge. Fold the floor hatch back towards the panel and lift out the floor hatch and the panel.

Applies to cars with three rows of seats without integrated carrier bag holders

- Lift up the centre rear floor hatch at the rear edge and lift it out.

12B

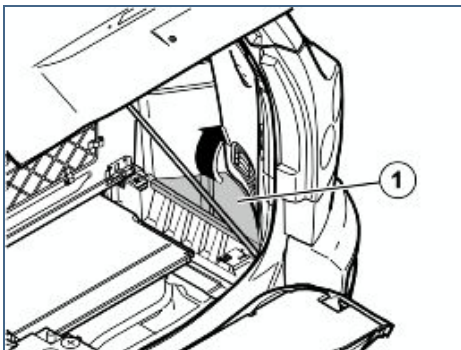


R8902691

Applies to cars with two rows of seats

- Remove the two centre floor hatches. First lift up slightly and then pull them loose from the mountings at the front edge. If the rear centre floor hatch has a carrier bag holder on the lower side, the floor hatch is secured by a strap on each of the shorter sides of the storage box. These must be removed
- Remove the two storage boxes from underneath.

13



R8504158

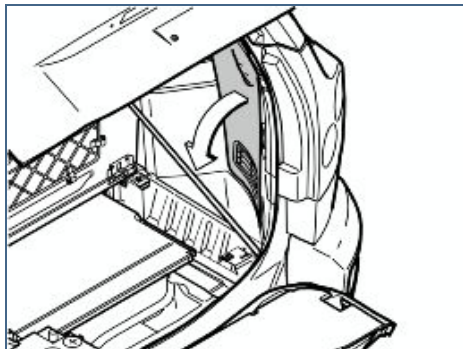
Preparations

Applies to all models

- Remove the right-hand side floor hatch (1).



14

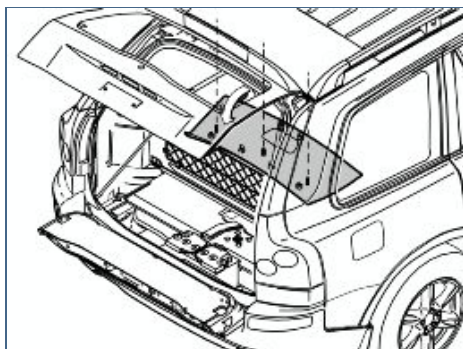


R8504159

Preparations

- Remove the folding side panel from the right-hand side in the cargo compartment.

15

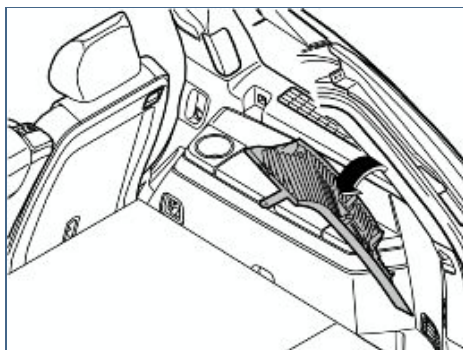


R8504084

Preparations

- Remove the cover and the screws for the rear headlining
- Carefully pry off the panel at the rear edge using a weatherstrip tool
- Pull the rear edge of the panel downwards until all clips in the inside have released
- **Applies to cars with three rows of seats:** Disconnect the connector for the rear roof lighting. Pull the panel backward.

16

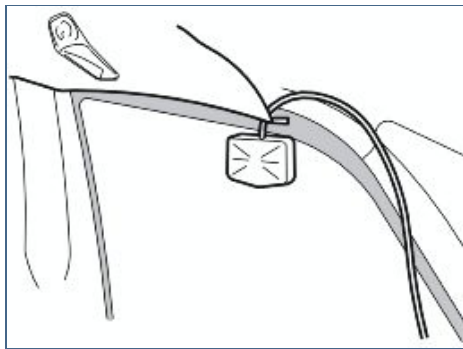


R8504086

Preparations

- Carefully detach the D-post panels on the right and left-hand sides starting at the top edge. Continue downwards until all three clips have released
- Remove the panel by pulling upwards slightly and unhooking from the side panel. If applicable, disconnect the connector for the D-post loudspeaker.

17



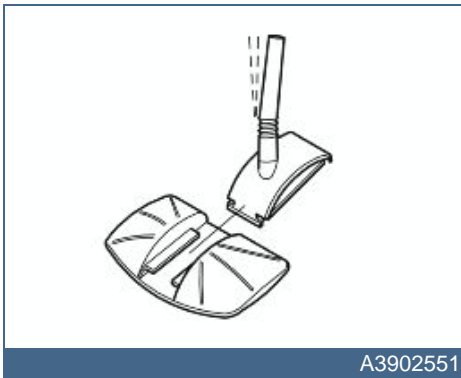
R3903913

Installing the combined aerial

- Clean the surface where the inner base module is to be positioned using the cleaning cloth from the kit
- Wipe dry
- Remove the backing from the inner base module
- Position the inner base module horizontally on the side window, in line with the rear end of the headlining. The upper rear corner of the inner base module must be positioned edge to edge with the tinted area of the side window as illustrated.



18

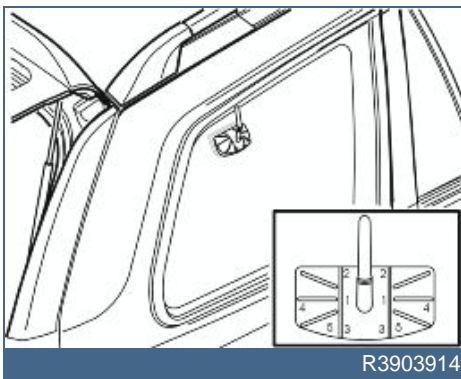


A3902551

Installing the combined aerial

- Install the aerial on the external base module.

19

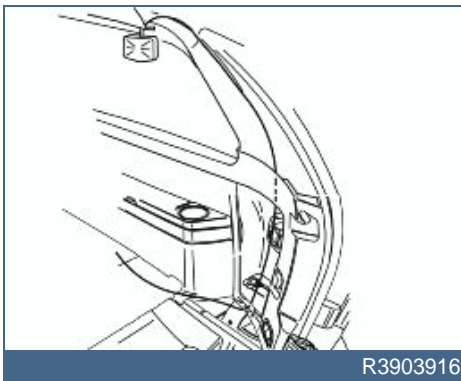


R3903914

Installing the combined aerial

- Clean the surface where the external base module is to be positioned using the cleaning cloth from the kit
- Wipe dry
- Remove the backing from the external base module. Press the external base module into place on the side window opposite the inner base module
- Press hard on points 1, 2, 3, 4 and 5, in order, for 3-4 seconds
- Ensure that the tape is sealed around the external base module. For optimum adhesion, heat the glass. Use a hairdryer or similar.

20

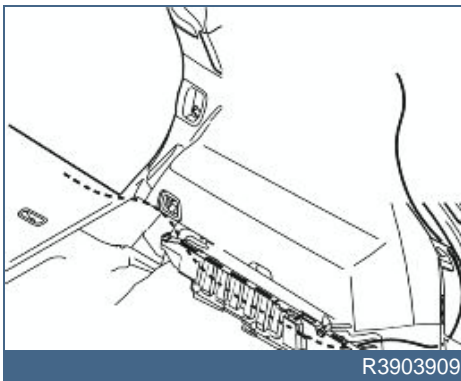


R3903916

Cable routing and connecting the combined aerial

- Route the aerial cable down along the existing wiring at the rear edge of the side window down to the rear edge of the wheel arch
- Clamp the aerial cable at the existing wiring using the tie straps from the kit.

21



R3903909

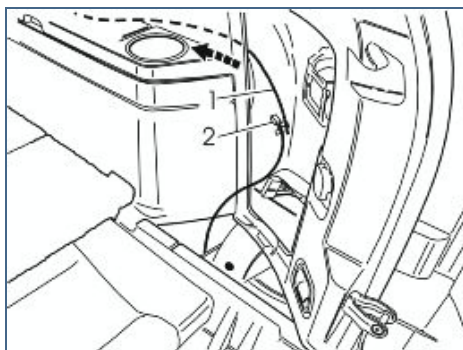
Cable routing and connecting the combined aerial

Applies to cars with two rows of seats

- Route the aerial cable on the right-hand side of the cargo floor support, inside the front edge of the floor carpet in the right-hand rear door opening. Continue along the right-hand side of the car.



22



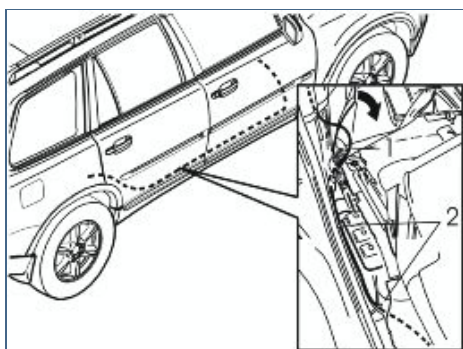
R3903910

Cable routing and connecting the combined aerial

Applies to cars with three rows of seats

- Insert a cable (1) at the rear edge of the right-hand side panel and along the inside of the panel, above the mountings for the load securing eyelets and to the front edge of the side panel
- Tape the end to the aerial cable (2) at the cable. Pull the cable with the aerial cable from the front edge of the side panel.

23

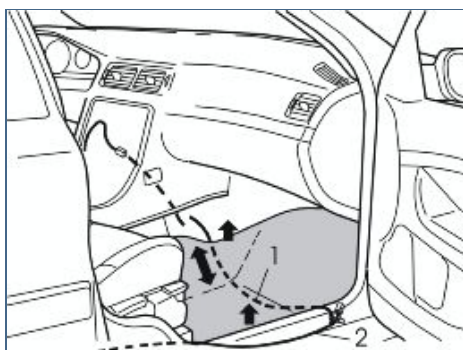


R3903911

Cable routing and connecting the combined aerial

- Route the pre-routed aerial cable (1) on the reverse of the air duct (at the front edge of the wheel arch) to the left-hand side of the seat belt lower mounting and along the rear door sill. Continue inside the floor carpet to the front door opening
- Clamp the cable harness in the hole in the front member for the seat mounting and in the rear hole in the horizontal panel at the right-hand side of the seat. Use the tie straps (2) (from the kit).

24



R3903912

Cable routing and connecting the combined aerial

- Pull up the left and right sides of the carpet at the right-hand front seat slightly. Insert a cable (1) underneath the carpet at the front edge of the air ducts on the right-hand side of the centre console. Pull out the cable at the right-hand door sill as illustrated
- Tape the aerial cable (2) at the pre-routed cable. Route the cable to the right-hand side of the centre console
- Route the aerial cable up at the air ducts and pull along in the centre console
- Connect the aerial cable to the cable from the carphone holder.

25

Cable routing and connecting the combined aerial

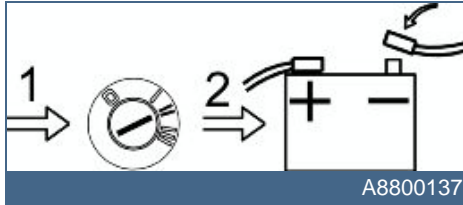
Reinstall:

- the floor carpets
- the bracket with dashboard environment panel and control module in the centre console
- the gear selector lever panel
- the sill trim panels in the doors
- the panel above the joints for the sill trim panels
- the cover and panels for the seats



- the right-hand side floor hatch
- Reinstall the D-post panel and the headlining and any relevant connectors
- Reinstall the folding panel.

26



Cable routing and connecting the combined aerial

- Turn the ignition key to position II
- Reconnect the battery negative lead
- Reinstall the storage boxes and floor hatches
- Reinstall the right-hand side panel on the centre console.