

Installation instructions, accessories - Volvo Navigation System, widescreen

Volvo Car Corporation Göteborg, Sweden



					Section	Group	Weight(Kg/Pounds)	Year	Month
S60					3	39		2001	04

S60 2001, S60 2002

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Required tools



A0000162

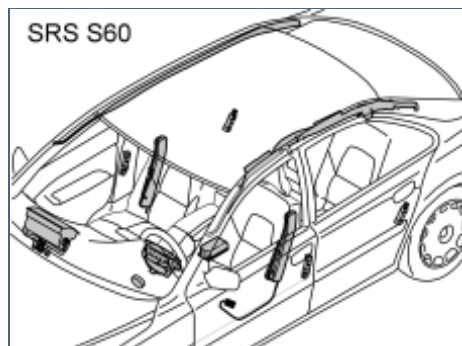


Nm
lbf.ft

A0000161

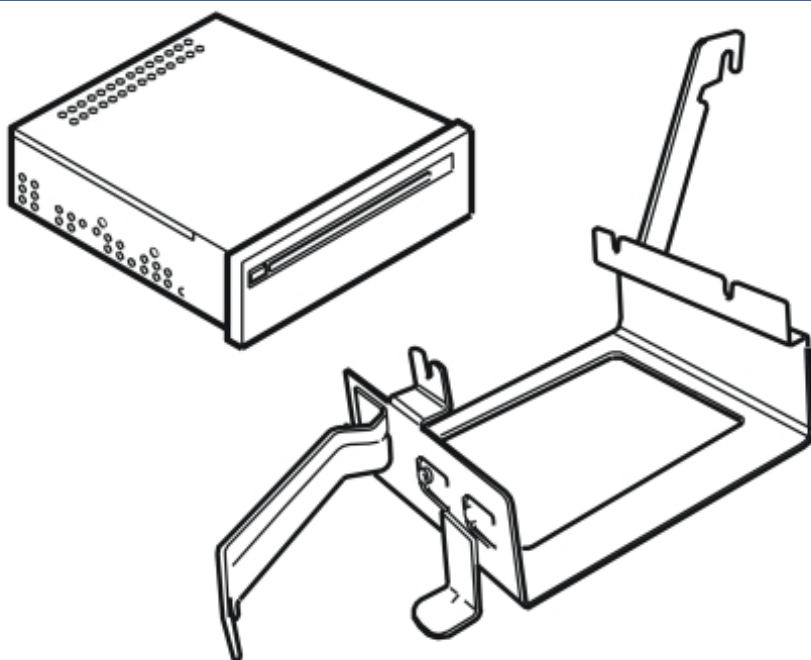


A0801178



SRS S60

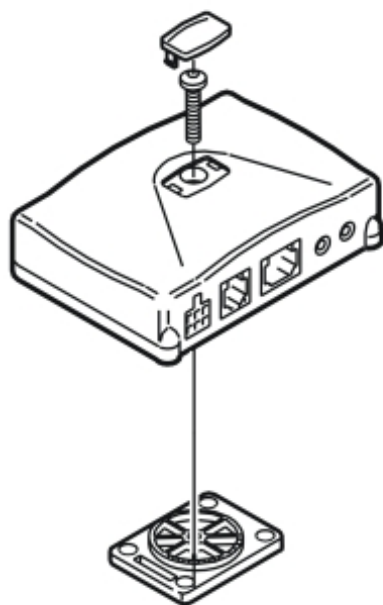
M8802509



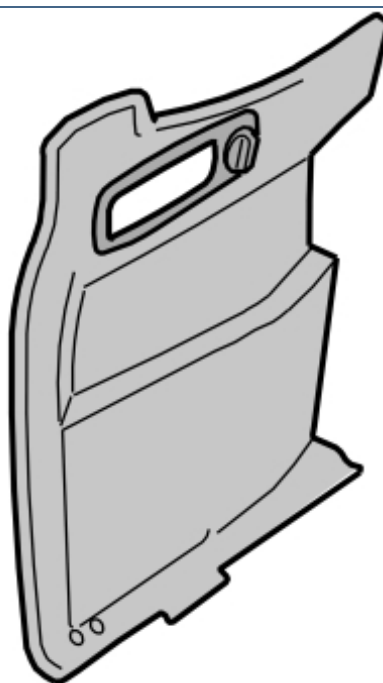
M3903563

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M3903565



M8503983

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

Publication no: MA 8633842, Issue: 2001-04
Comments:.....
From:.....
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INTRODUCTION

- **NOTE! Read through the entire text before carrying out any 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 a "SRS" decal on the front windscreen.

Do not damage the SRS wiring!

Do not trap, fray, 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

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The collision sensor control module is located on the transmission tunnel in the centre console, in front of the parking brake.

WARNING!

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 deploy in the correct manner at the right time otherwise there is a risk of personal injury in the event of a collision.

WARNING!

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

Volvo Navigation System, widescreen

Note!

This accessory is connected to the car's electrical system. It requires software unique to the car.

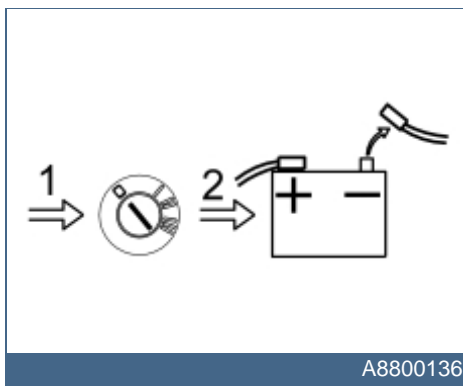


1

Preparations

- Move the left front seat to its rearmost position
- Shift the gear selector lever to the rearmost position.

2



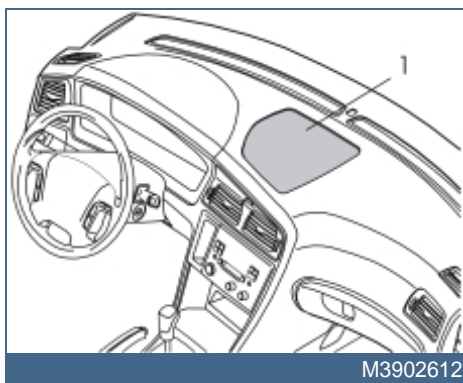
Preparations

- Turn the ignition key to position 0
- Remove the key from the ignition switch (does not apply to cars with automatic gearboxes)
- Disconnect the battery negative lead.

Note!

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

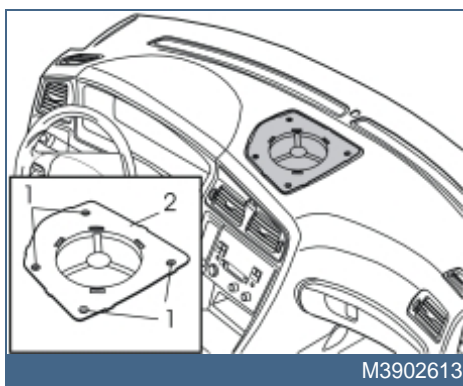
3



Preparations

- Carefully remove the loudspeaker grille (1) on the dashboard. Use a weatherstrip tool or similar.

4

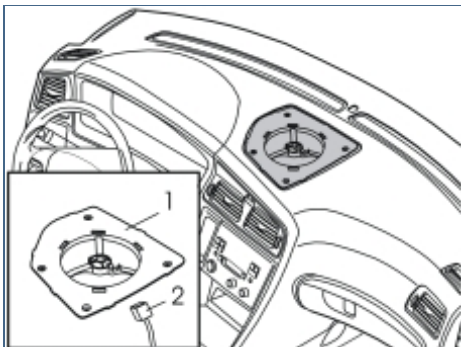


Preparations

- Remove the screws (1). Remove the bracket (2).



5



M3902614

Preparations

Applies to cars with a centrally mounted loudspeaker

- Remove the four screws in the loudspeaker (1)
- Lift up the loudspeaker. Disconnect the connector (2)
- Place the loudspeaker to one side.

6

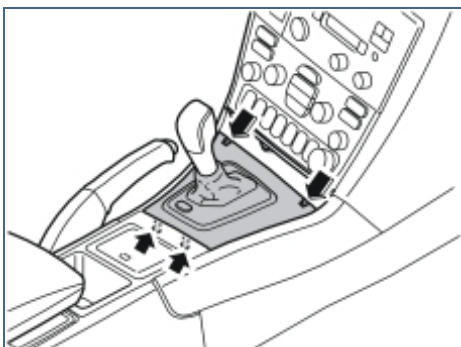


M8502988

Preparations

- Pry off the panel in front of the gear selector lever. Use a weatherstrip tool as illustrated. Remove the panel in front of the gear selector lever.

7

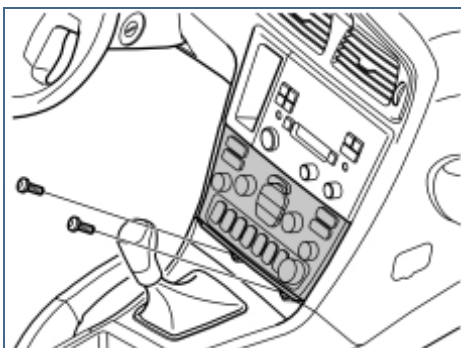


M4302463

Preparations

- Press in the catches on the front edge of the gear selector lever panel. Lift the panel upwards, first the front edge and then the rear edge. Remove the panel around the gear selector lever.

8

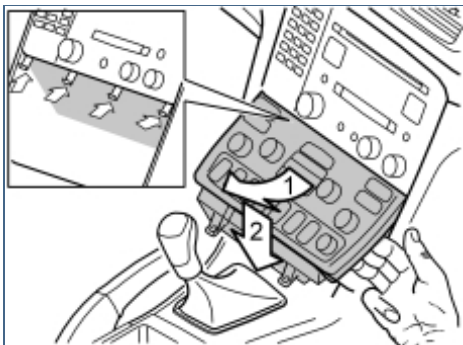


M8503027

Preparations

- Remove the two screws from the dashboard environment panel.

9



M8503045

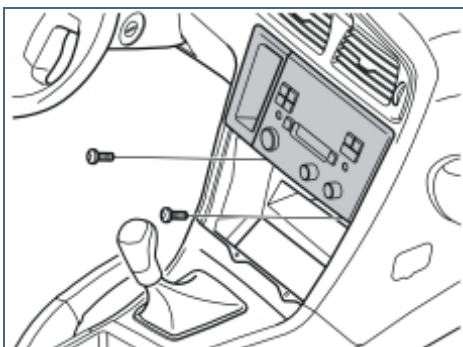
Preparations

- Angle the dashboard environment panel outwards so that it is possible to insert a couple of fingers between the centre console and the reverse of the dashboard environment panel
- Remove the dashboard environment panel by pulling it downward, maintaining the same angle. Some force is required because the panel is tightly installed
- 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 break off, these must be repaired. The method for this can be found in the Workshop Manual in the section about the dashboard.

10

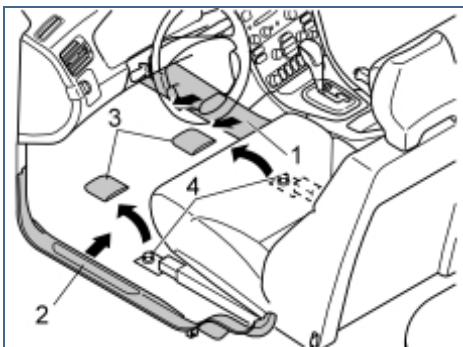


M3903036

Preparations

- Remove the screws from the radio bracket
- Pull out the bracket with the radio. Pull the lower corner while pressing downwards
- Disconnect the connectors on the radio. Remove the bracket with the radio.

11



D8502410

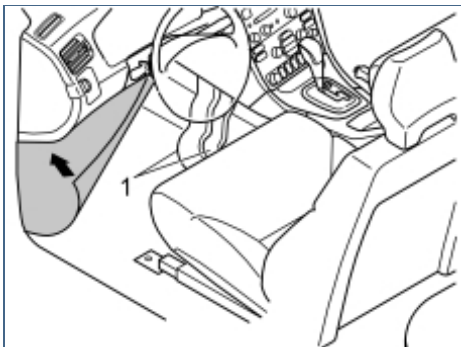
Preparations

Remove:

- the left side panel (1) from the centre console. First turn the screw clip. Pull the panel outwards and backwards
- the sill trim panel (2) at the left front door
- the covers (3) and the screws (4). There are new screws in the kit.



12

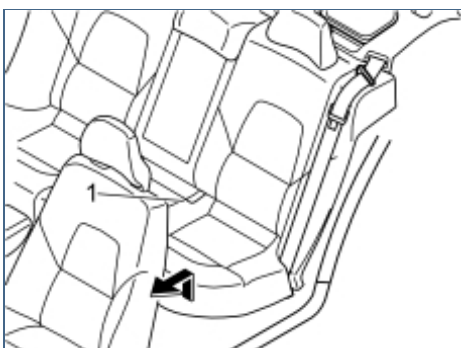


D8502411

Preparations

- Tip the left front seat backwards
- Push the floor carpet to one side to access the air ducts (1).

13

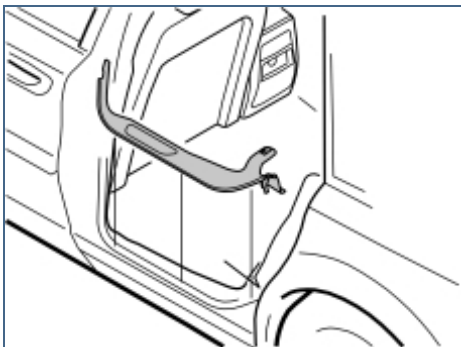


D8503390

Preparations

- Remove the rear seat cushion (1). First pull the front edge of the seat cushion up. Pull the cushion forwards. Then lift the seat cushion out.

14

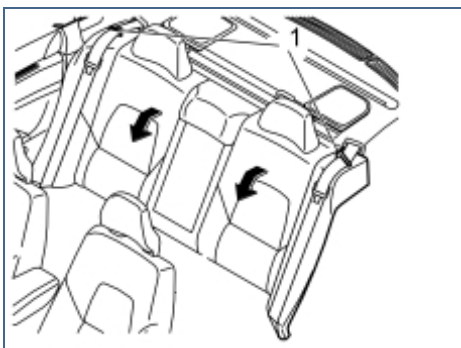


M8502823

Preparations

- Remove the sill trim panel at the left rear door.

15



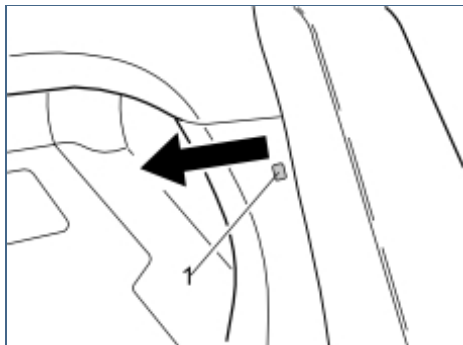
M8503545

Preparations

- Fold both the rear backrests forward
- Remove the seat belts from the guides (1).



16

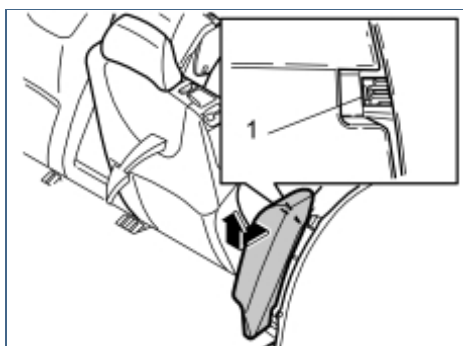


M8503511

Preparations

- Remove the clip (1) at the side of the left-hand side cushion
- Pull the top edge of the left-hand front cargo compartment panel out to access the upper lock for the side cushion
- Repeat the operation on the right-hand side.

17

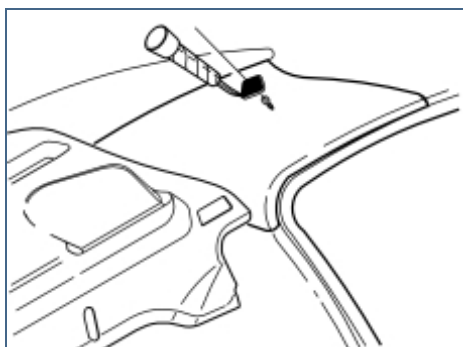


M8503546

Preparations

- Remove the left-hand side cushion. First press in the catches (1) at the top edge of the reverse of the side cushion. Pull the cushion out slightly
- Grasp the cushion using both hands. Twist anti-clockwise until the catches on the inside release
- Remove the side cushion. First pull out the upper edge of the side cushion. Then pull upwards
- Repeat the operation on the other side.

18

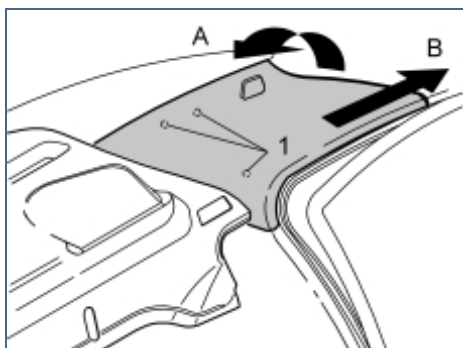


M8503596

Preparations

- Remove the cover and the screw for the left-hand C-post
- Repeat the operation on the other side.

19



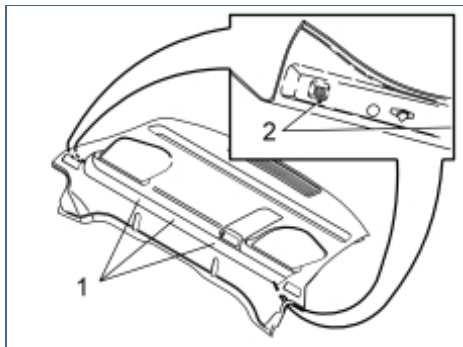
M8503597

Preparations

- Remove the rubber strip at the rear edge on the left-hand rear door frame
- Grasp the top edge of the C-post panel. Pull (A) the panel inwards until the three clips (1) release
- Then pull (B) the panel straight up. Place the panel to one side
- Repeat the operation on the other side.



20

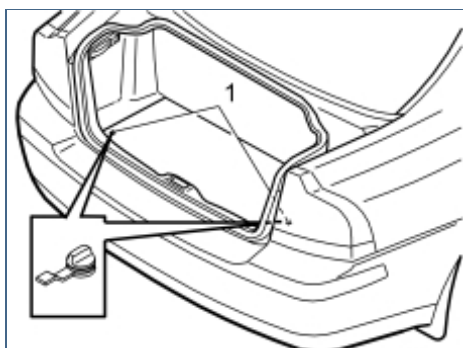


M8503598

Preparations

- Carefully lift the front edge of the parcel shelf panel until the clips (1) release
- Lift up the panel further until the locating pins (2) release from their holes
- Pull out the parcel shelf. Lay the parcel shelf on the folded backrests.

21

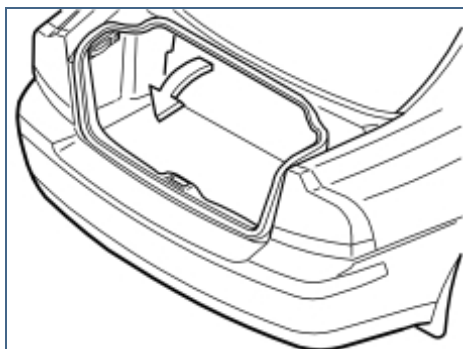


M8503480

Preparations

- Remove the cargo compartment carpet at the rear edge. First turn the two knobs (1) 90°.

22

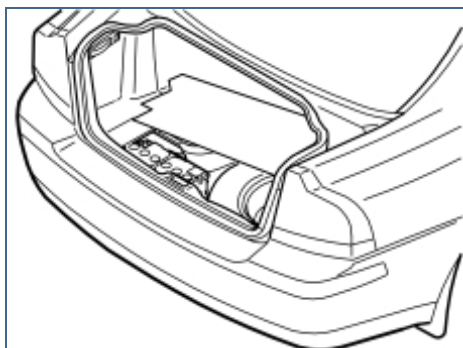


M8503481

Preparations

- Pull up the front of the cargo compartment carpet. Fold the front half back over the rear half of the cargo compartment carpet.

23



M8503482

Preparations

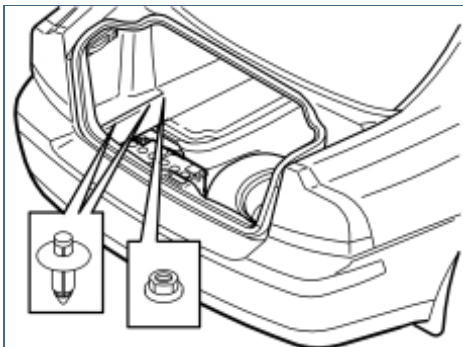
- Slide the entire cargo compartment carpet forward slightly. Twist slightly to remove the carpet through the tailgate opening
- Remove the cargo compartment carpet.

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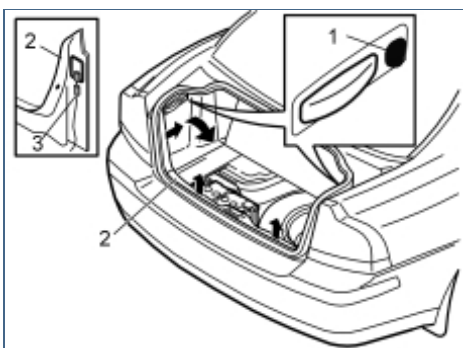


M8902133

Preparations

- Press the centre of the clips at the lower edge of the foldable side panel on the left-hand side until they click
- Remove the two clips
- Remove the plastic nut at the front and lower edges of the side panel
- Repeat the operation on the right-hand side.

25

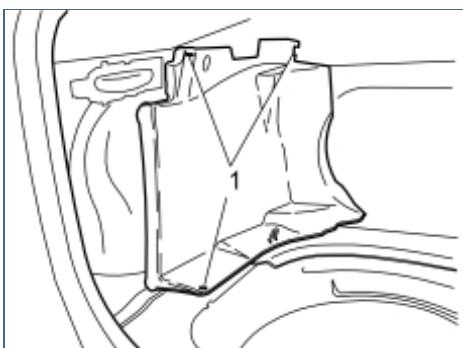


M8503264

Preparations

- Turn the handle (1) on the right and left-hand sides through 90°.
- Fold the side panels down. Lift the panels out. Place the left-hand side panel to one side. A new panel is in the kit
- Pull the tailgate sill trim panel (2) forwards on the right and left-hand sides until the clips on each side release. Pull hard but carefully. The panel is securely positioned
- Remove the wiring (3) for the cargo compartment lighting
- Pull the sill trim panel straight up until the four clips on the underneath release. Remove the sill trim panel.

26



M8503515

Preparations

Remove:

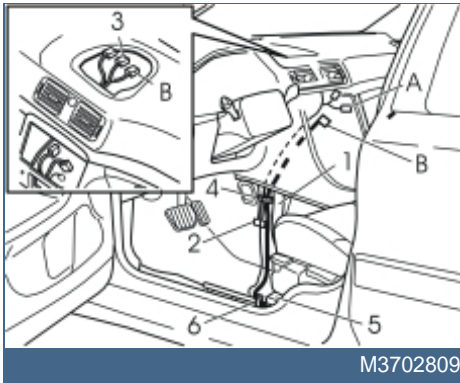
- the clips (1) in the left front side panel in the cargo compartment
- the front side panel and place to one side.

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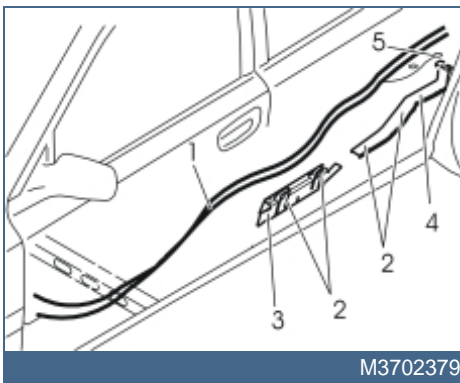
27



Cable routing

- Route the wiring (A in the kit illustration) for the display screen and the radio, and the loose cable for the display screen with the ten pin connectors (B in the kit illustration) for the radio socket between the air duct (1) and the stay (2). Ensure that the straight connector on the loose cable (B) is routed to the hole for the radio
- Route the display screen green 5-pin power supply connector (3) and the cable (B) to the left of the air ducts above the hole for the radio. Continue up through the cut out for the dashboard loudspeaker
- Secure the wiring in the stay (2) using a tie strap (4)
- Route the wiring above and along the air duct (1) to the member (5)
- Clamp the wiring at the existing cable harness (6) using a tie strap.

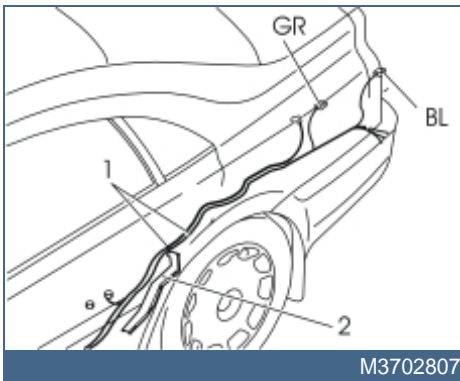
28



Cable routing

- Route the cables (1) under the carpet along the left side of the car to the rear door
- Install protective caps on the lugs (2) for the cable ducts
- Route the wiring further above and along the front cable duct (3). Continue along the right hand side of the rear cable duct (4)
- Connect the cable in the rear ground terminal (5) at the left side of the rear seat.

29



Cable routing

Route the wiring (1):

- out along the right-hand side of the cable duct (2) and under the wiring which is connected there. Remove the connectors if necessary
- up along the top of the wheel arch and out through the hole at the top of the wheel arch
- down along the wheel arch. Position the wiring as illustrated.

30

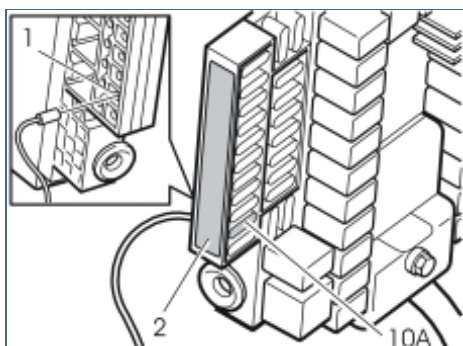


M3702263

Terminals in the fuse holder

- Remove the rear electronic module. First open the catch (1) on the top of the module. Fold the module forward. Lift the module from the mountings (2).

31



M3702808

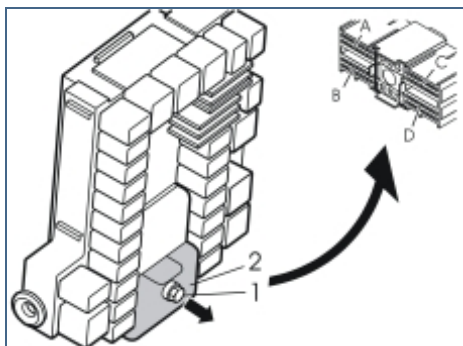
Terminals in the fuse holder

- Connect the new routed red and white cable to the outer terminal (1) on the reverse of fuse socket number 10 on the fuse holder. Remove the decal (2). Carefully pry up the red secondary locking on the face in the end nearest terminal 10. At the same time press the cable into position.

If there is a problem inserting the cable the fuses on the outer side must be removed in order to open the red secondary locking further.

- Reinstall the decal
- Install a 10A fuse in fuse socket 10 on the fuse holder.

32

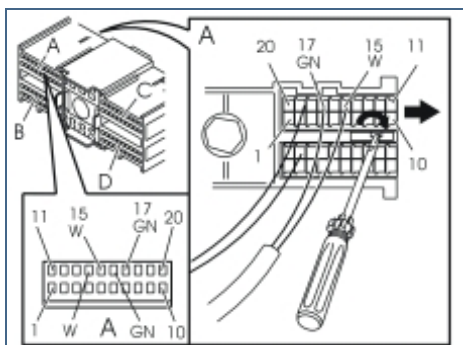


D3701827

Terminals in the fuse holder

- Remove the screw (1)
- Pull out the cover (2) using the four connectors
- Remove the cover from the four connectors by bending the three hooks to one side.

33



M3702569

Terminals in the fuse holder

- Insert a small screwdriver in the socket on connector A as illustrated
- Twist the screwdriver so that the holders open. At the same time press the connector out to the side
- Connect the white (W) cable to terminal 15 and the green (GN) cable to terminal 17.

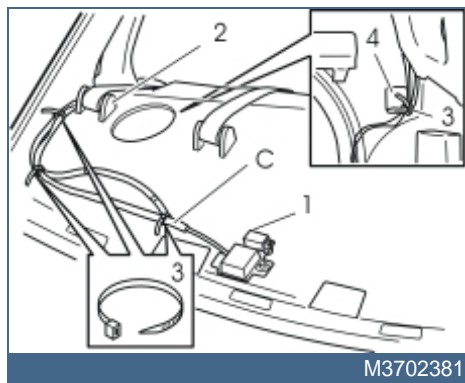
Reinstall:

- the connector



- the cover on the connector
- the connectors on the rear electronic module. Tighten the screw
- the rear electronic module.

34

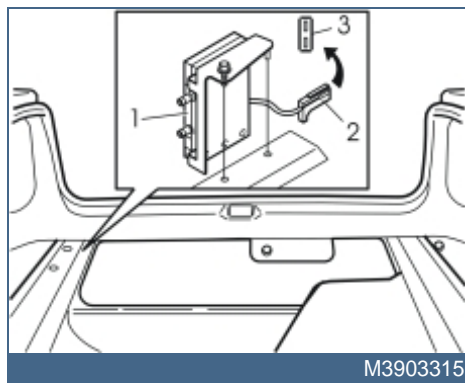


M3702381

Installing and connecting the Global Positioning System (GPS) aerial

- Install the new Global Positioning System (GPS) aerial (1) in the guide hole. Press the Global Positioning System (GPS) aerial into place using the clip in the hole in the centre of the rear edge of the parcel shelf as illustrated
- Route the new cable (C in the kit illustration) for the Global Positioning System (GPS) aerial. Follow the routing of the existing loudspeaker cable inside the seat belt holder (2)
- Connect the cable to the Global Positioning System aerial
- Secure at the points (3)
- Route the cable through the lead-in (4) to the rear edge of the wheel arch.

35



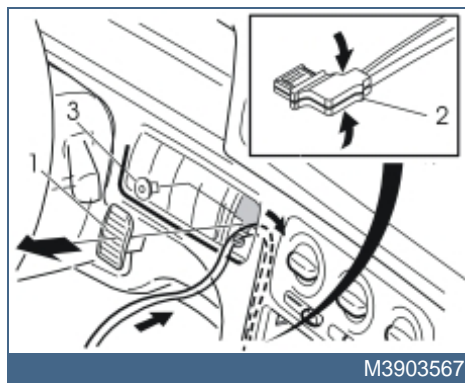
M3903315

Installing the DVD reader

Does not apply to USA

- Remove the existing antenna amplifier (if applicable)
- Connect the cable (2) for the new antenna amplifier (1) to the connector (3) for the antenna in the rear bumper by the right-hand tail lamp
- Position the aerial amplifier on the panel edge in front of the right-hand tail lamp
- Tighten the antenna amplifier onto the edge of the panel.

36



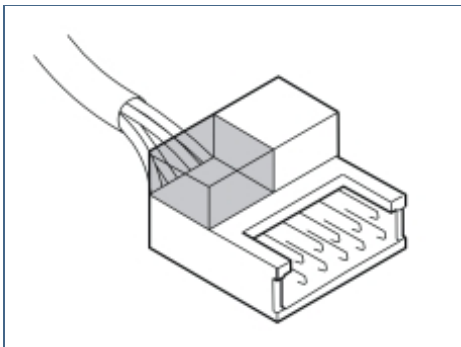
M3903567

Installing the DVD reader

- Route the new transparent single cable (D in the kit illustration) from the lower terminal (1) for the aerial amplifier, along the existing cable harness in the rear crossmember and to the rear edge of the left-hand rear wheel well
- Clamp the cable at the existing cable harness using tie straps (2)
- If the existing aerial amplifier has been removed, reinstall the disconnected black cable in the upper socket (3) in the aerial amplifier.



37

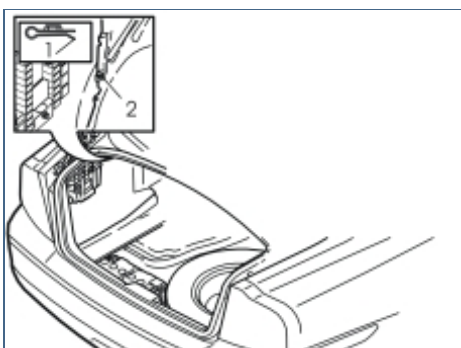


M3903564

Installing the DVD reader

- Take four screws, the bracket and the DVD reader from the kit. Tighten the DVD reader at the bracket.

38

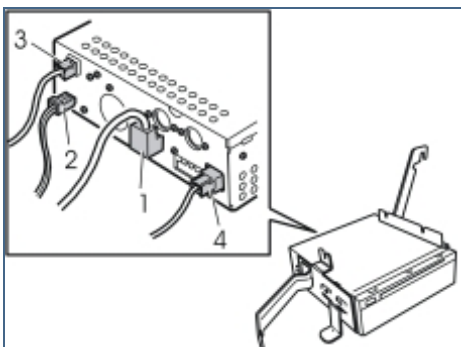


M3903568

Installing the DVD reader

- Take the spring nut (1) from the kit. Press the spring nut on the panel edge on the underneath of the socket (2) in the panel.

39



M3903569

Connecting the DVD reader

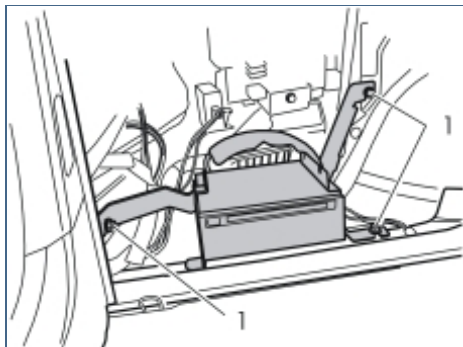
Connect:

- the display screen cable (1)
- the power supply cable (2)
- the cable (3) for the Global Positioning System (GPS) aerial
- the aerial amplifier cable (4).

Note!

If the TV is to be installed carry out the operation now. Use installation Instructions 8637033.

40

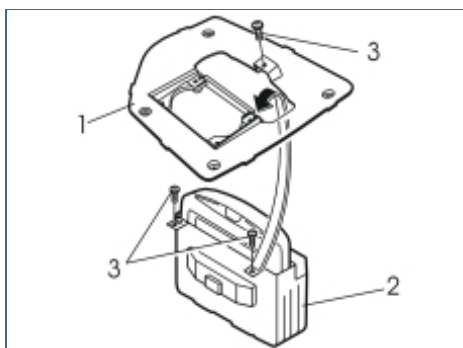


M3903572

Connecting the DVD reader

- Install the bracket with the DVD reader in the rear edge of the rear wheel well using three screws (1) from the kit. Tighten the screws. Tighten to **10 Nm (7 lbf. ft)**
- Clamp the blue excess connector and other wiring at the DVD reader using two tie straps.

41



M3903055

Installing and connecting the display screen

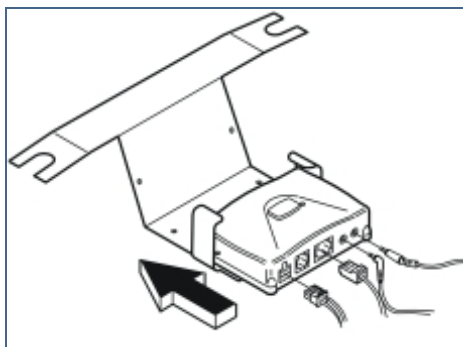
Applies to cars without a centrally mounted loudspeaker

- Install the bracket (1) on the display (2). Use the screws (3) (from the kit).

Applies to cars with a centrally mounted loudspeaker

- Install the bracket (1) on the display screen (2). Use the front screw (3).

42



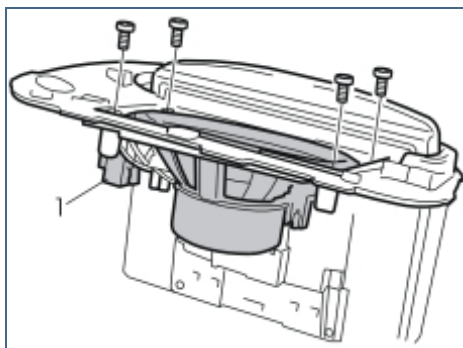
M3903566

Installing and connecting the display screen

Applies to cars without a centrally mounted loudspeaker

- Connect the wiring for the DVD reader (1) to the display (2)
- Install the display screen with the bracket in the dashboard using the existing screws (3)
- Press the new loudspeaker grille (from the kit) into place on the dashboard.

43



M3903539

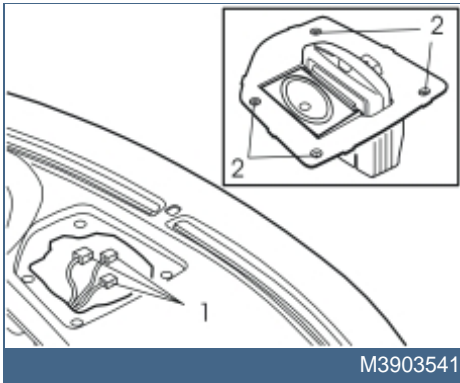
Installing and connecting the display screen

Applies to cars with a centrally mounted loudspeaker

- Install the centrally mounted loudspeaker in the cut out in the bracket for the display screen
- Tighten the loudspeaker into place using the four screws
- Press the connector (1) for the centre loudspeaker into the bracket on the left-hand under side of the display screen bracket.



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Installing and connecting the display screen

Applies to cars with a centrally mounted loudspeaker

- Connect the three cables (1) to the display screen and the centrally mounted loudspeaker
- Press the display screen and bracket into the dashboard. Tighten using the four existing screws (2)
- Press the new loudspeaker grille (from the kit) into place on the dashboard.

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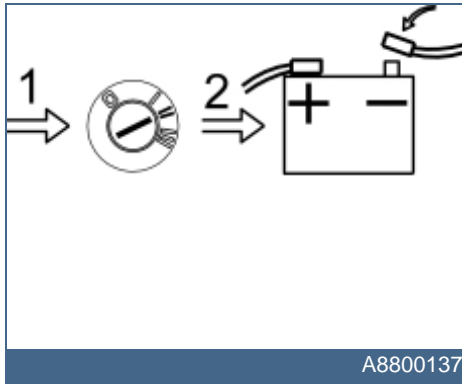
Finishing work

- Connect the green female connector on the new cable harness, to the green male connector disconnected from the radio
- Connect the other two large connectors to the radio
- Connect the other connectors removed from the radio
- Reinstall the radio
- Connect the connectors to the dashboard environment panel. Reinstall the panel
- Reinstall the panel and gear selector lever boot around the gear selector lever
- Reinstall the panel in front of the gear selector lever
- Fold back the carpet
- Reinstall the side panel on the centre console
- Reinstall the sill trim panels on the left-hand side
- Fold the left-hand front seat back into position
- Tighten the front edge of the seat. Tighten the seat using the two new screws from the kit. Tighten the nut. Tighten to **40 Nm (30 lbf. ft)**. Reinstall the covers over the screws
- Reinstall the parcel shelf
- Reinstall the C-post panels. Press the rubber mouldings into position
- Reinstall the front side panel in the cargo compartment
- Connect the cargo compartment lighting connectors to the tailgate sill trim panel. Reinstall the sill trim panel
- Install a new left-hand folding panel from the kit. Reinstall the right-hand panel



- Reinstall the side cushion
- Fold the backrest back into place
- Fold the seat cushion back into place.

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Finishing work

- Turn the ignition key to position II
- Reconnect the battery negative lead
- Reinstall the cargo compartment carpet
- Program the software according to the service information in VIDA.