



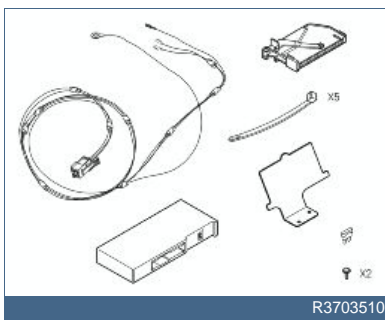
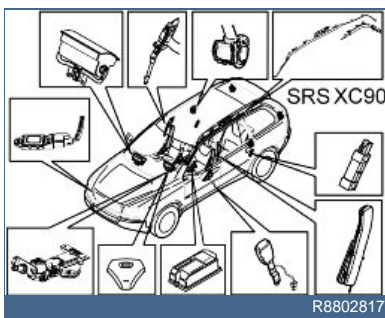
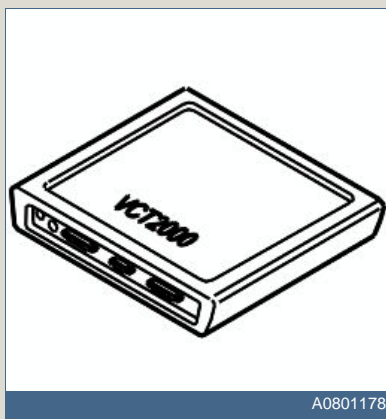
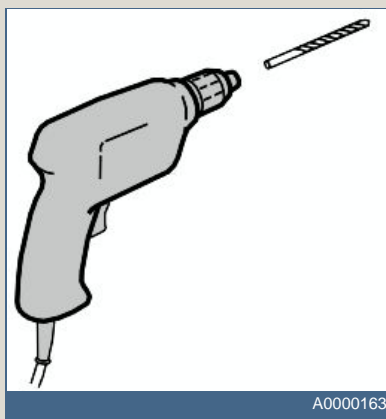
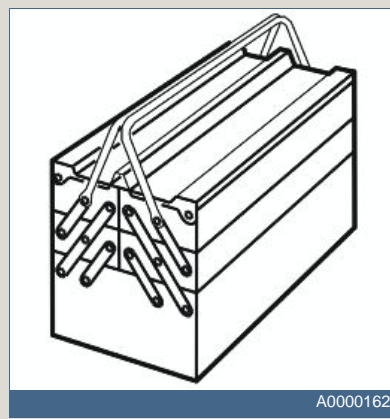
## XC90

Section	Group	Weight(Kg/Pounds)	Year	Month
3	36		2004	05

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



Required tools



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

Publication no: MA30660543, Issue: 2004-05
Comments:..... ..... ..... ..... .....
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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.

### 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 open in the correct manner at the right time, otherwise there is an increased risk of personal injury in the event of a collision.

### 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.

### Supplemental restraint system module, SRS C30/S40(04-)/V50/S60/XC60/C70(06-)/V70/XC70/S80/XC90

The supplemental restraint system module (SRS) is located on the tunnel under the centre console, in front of the parking brake.

### Warning!

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 three minutes 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.



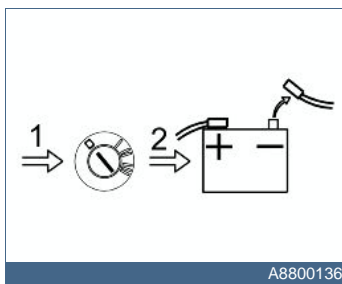
## Accessory Electronic Module (AEM)

### Note!

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



1

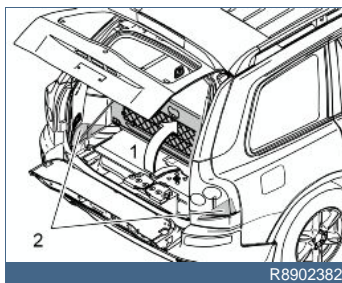


- Turn the ignition switch to position 0.
- Disconnect the battery negative lead.

**Note!**

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

2



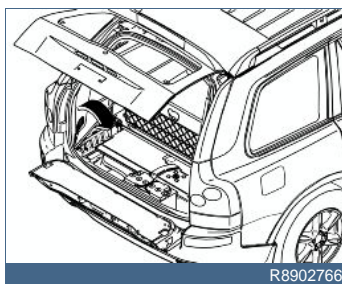
- **Applies to cars with two rows of seats**
- Fold up the centre rear floor hatch (1). If the floor hatch is equipped with a grocery bag holder on the underside, it is fixed with a strap on each short side of the storage box. These must be removed.
- Remove the storage box underneath.
- Remove the floor hatch completely by folding it down again almost completely and pulling it rearward out of its mountings.

- **Applies to cars with three rows of seats and integrated carrier bag holder on the underside of the centre floor hatch**
- Fold up the centre rear floor hatch (1).
- Undo the two straps underneath the panel. Lift up the panel at the rear edge, fold the floor hatch down toward the panel and lift out the floor hatch with panel.

- **Applies to cars with three rows of seats without an integrated carrier bag holder**
- Fold up the centre rear floor hatch (1) at the rear edge and lift it out.

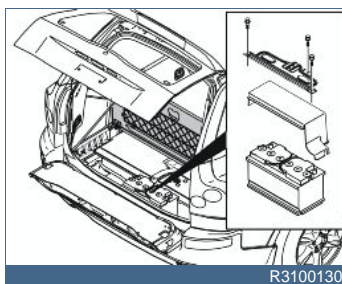
- **Applies to all models**
- Remove the two side floor hatches (2).

3



- Remove the folding side panel from the left and right-hand side of the cargo compartment.

4



- Remove the three screws in the battery holder. Lift the battery holder out
- Remove the battery cover



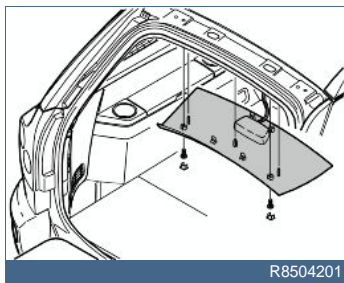
5



R3903738

- 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 sides at the top. Use a plastic weatherstrip tool. Then pull until the three clips on the inside release. Do not damage the headlining or the panel
- If a headphone socket is mounted, disconnect the connector to such.
- Remove the panel by pulling upwards slightly and unhooking it from the side panel.

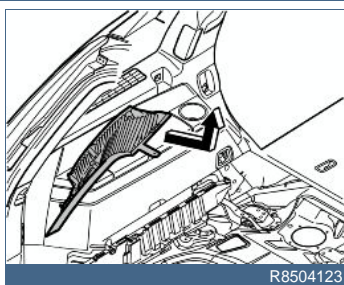
6



R8504201

- Remove the rear headlining covers and the screws under them.
- Carefully pry off the panel at the rear edge. Use a plastic weatherstrip tool
- Pull the rear edge of the panel downward until the four clips on the top release.
- If the car is equipped with lighting in the panel, disconnect the connector from such.
- Pull the panel backwards to release it.

7

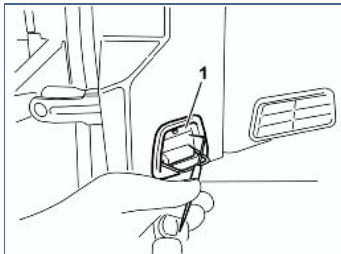


R8504123

- Carefully pull off the D-post panel. Start at the top edge then pull down until the three clips on the inside release. Do not damage the panel.
- Disconnect the connector on the D-post panel (if the car has a loudspeaker in the D-post, the connector is in the loudspeaker)
- Remove the panel by pulling upwards slightly and unhooking it from the side panel.



8A

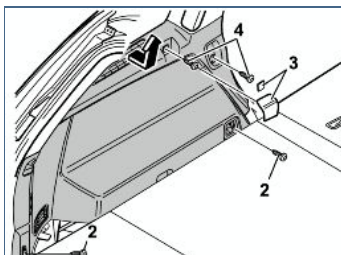


R8504313

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

- 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.

8B



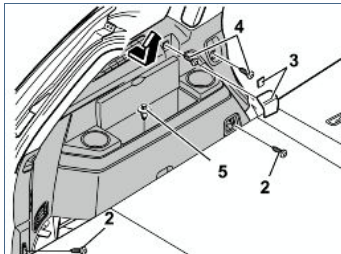
R8504315

**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)

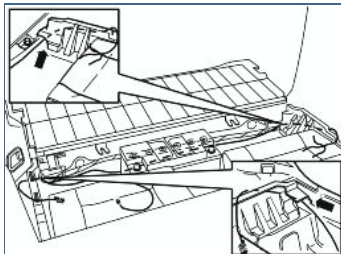
8C



R8504316

- Remove the clip (5) at the bottom of the storage compartment in the panel (applies to cars with three rows of seats).
- Remove the panel by pulling it out a bit at the top edge so that the clips on the inside release; then pull it straight up.

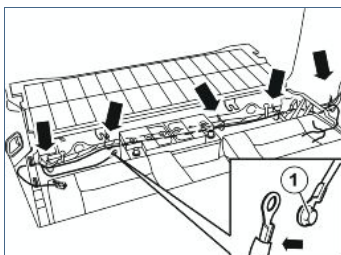
9



R3603578

- Take the wiring harness from the kit and position it behind the battery. The end with the black connector is drawn through the hole in the rear edge of the right-hand load floor support in to the space in the rear edge of the wheel housing. The other end is drawn in a similar fashion to the fuse box on the left-hand side.

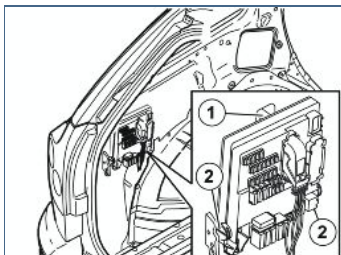
10



R3603579

- Take five cable ties from the kit and secure the wiring harness to the existing wiring harness as illustrated.
- Remove the ground screw and connect the ground lead (1) of the new wiring harness. Tighten the ground screw securely.

11

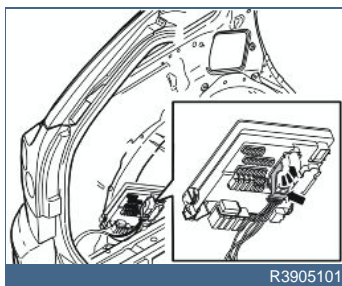


R3703513

- Remove the Rear Electronic Module (REM) by opening the lock (1) on the top of the unit. Tip the unit forward and lift it out of the mountings (2).



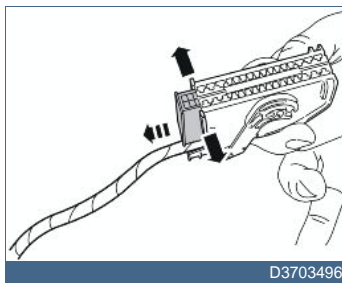
12



R3905101

- Press in the catch on the rear brown connector in the fuse holder in the cargo compartment, turn the lock arm up as far as it will go and pull out the connector.

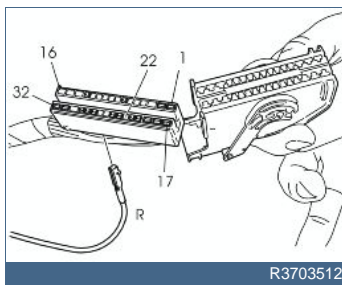
13



D3703496

- Carefully prise apart the sides of the connector holder in the ends so that the connector can pass by the retaining hooks.
- Pull out the connector.

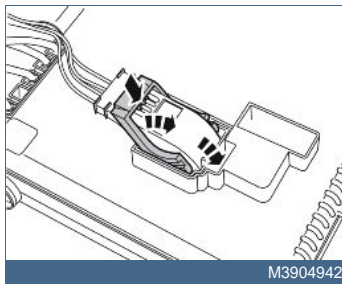
14



R3703512

- Connect the red (R) lead to position 22.
- Reinstall the connector in the holder
- Reinstall the connector in the fuse holder.

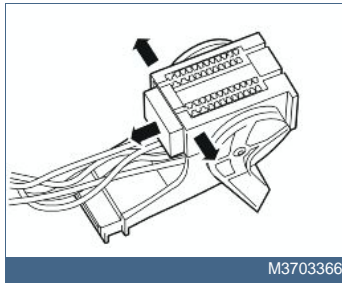
15



M3904942

- Press in the catch on the grey connector on the rear of the fuse holder in the cargo compartment, turn the lock arm up as far as it will go and pull out the connector.

16



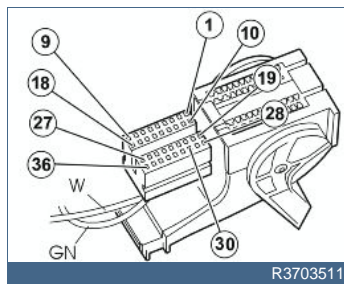
M3703366

- Carefully prise apart the sides of the connector holder in the ends so that the connector can pass by the retaining hooks.
- Pull out the connector.





17

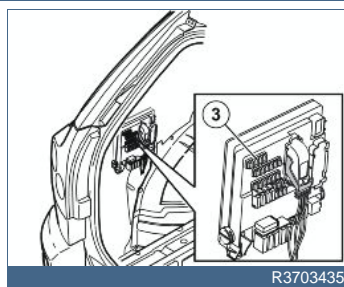


**Note!**

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

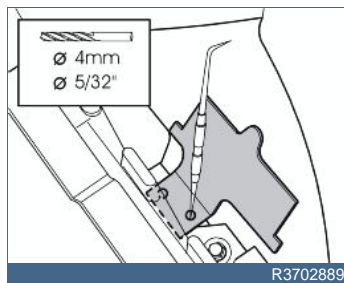
- Connect the green (GN) lead to position 19 in the connector. Connect the white (W) lead to position 30.
- Reinstall the connector in the holder
- Reinstall the connector in the fuse holder.
- Refit the Rear Electronic Module (REM).

18



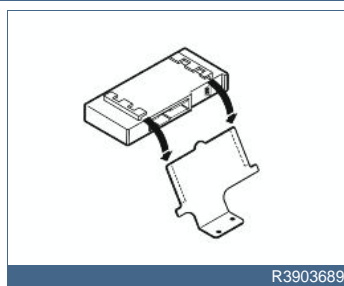
- Fit fuse 15A from the kit in position 3 on the fuse holder.

19



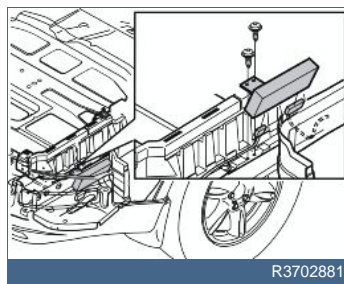
- Remove the bracket from the kit. Position it in the recess on the right rear side member as illustrated.
- Mark out both holes for drilling.
- Drill out the holes. Use a **Ø4 mm (5/32")** drill bit.
- Remove any swarf.
- Treat the edges of the holes using a rust-proofing agent.

20



- Press the control module in the bracket.

21



- Connect the routed connector to the control module.
- Position the bracket with control module on the right side of the right floor support over the drilled holes and fasten with the two screws.

22

**Reinstall:**

- the left-hand side panel using the screws and cover. Tighten the screws in the load securing eyelets. Tighten to **24 Nm (18 lbf.ft.)**.



- the covers for the load securing eyelets.
- D-post panel with connector.
- the connector for the rear roof lighting (if applicable)
- the rear headlining
- C-post panel.
- Turn the ignition key to position II.

**Reinstall:**

- the battery negative lead.
  - protective cover and bracket for the battery.
  - side floor hatches and folding panels.
  - storage box and floor hatch.
  - Program the software according to the service information in VIDA.
-