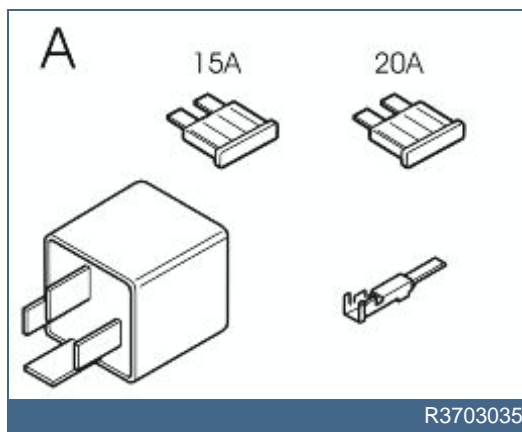
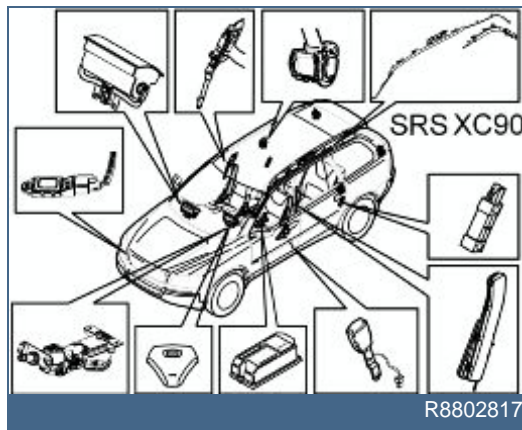
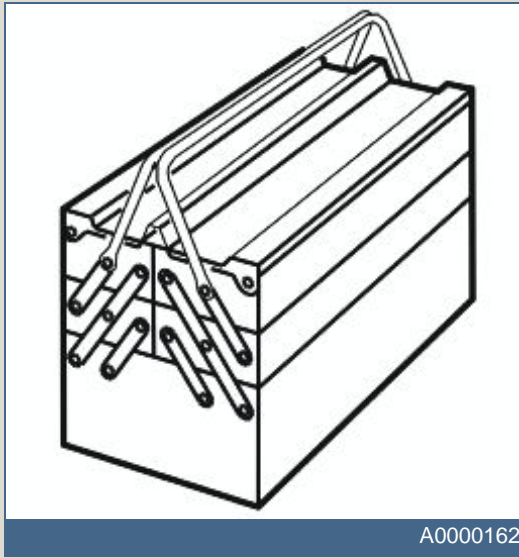


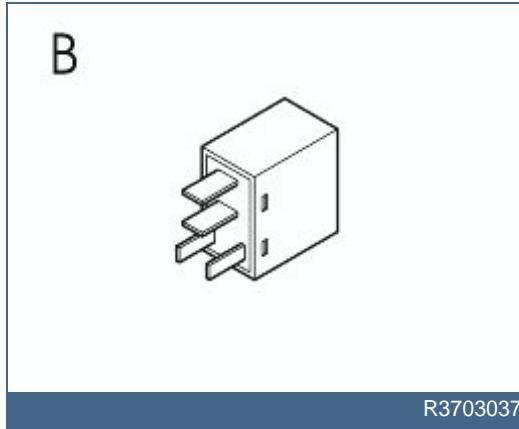
S80 (-06) / S60 / XC90 / V70 (00-08)

Section	Group	Weight(Kg/Pounds)	Year	Month
8	89		2002	04

S60 2002, S60 2003, S80 (-06) 2002, S80 (-06) 2003, V70 (00-08) 2002, V70 (00-08) 2003, 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: MA 8685786, Issue: 2002-04
Comments:.....
From:.....
Address:.....
Telephone no:.....
Telefax:.....

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!

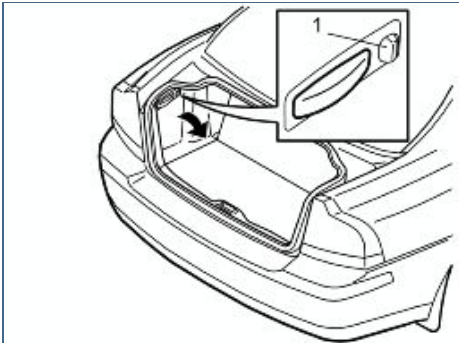
The ignition must be in position "0" and the key removed from the ignition switch if any connector in the SRS system is to be unplugged. Then wait at least one minute and disconnect the battery negative lead before unplugging any of the connectors. When work is completed, the ignition key must be turned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

Relay kit fog tail lamp + relay kit positive power supply

Note!

Kit illustration A applies when connecting the positive power supply function. Kit illustration B applies when connecting a fog tail lamp.

1A



M8504272

Preparatory work

Illustration A

Applies to the S60 / S80

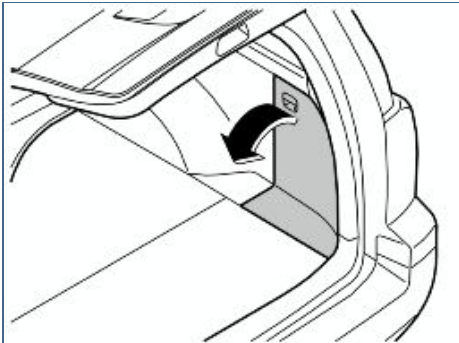
- Turn the handle (1) on the left-hand side through 90°.
- Fold the panel inwards to access the fusebox inside.

Illustration B

Applies to the V70

- Remove the left-hand folding panel to access the fusebox inside.

1B



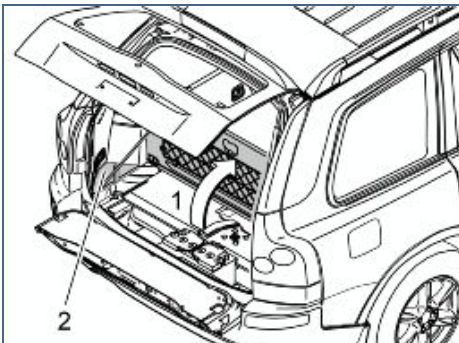
M8503006

Illustration C

Applies to XC90 with two rows of seats

- Fold up the centre rear floor hatch (1) slightly
- Remove it 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, which is secured by a strap on each of the shorter sides of the storage box, the straps must be undone
- Remove the front floor hatch in the same way.

1C



R8902922

Applies to the XC90 with three rows of seats and an integrated carrier bag holder on the under side 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.

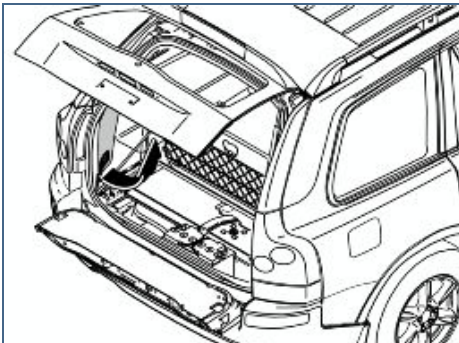
Applies to the XC90 with three rows of seats without integrated carrier bag holders

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

Applies to all XC90

- Remove the left-hand side floor hatch (2).

1D



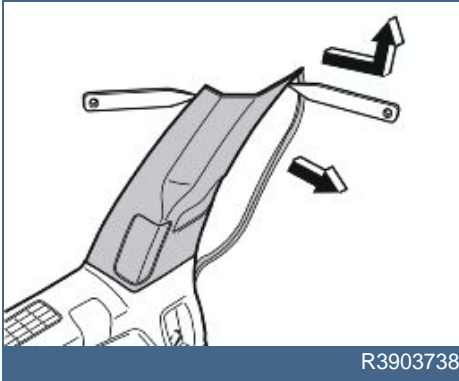
R8902923

Illustration D

Applies to the XC90

- Remove the left-hand folding panel.

2



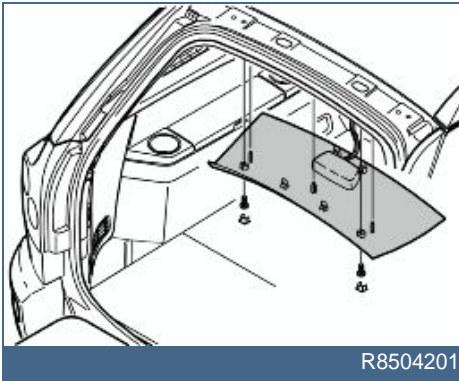
R3903738

Preparatory work

Applies to the XC90

- Pull off the rubber strip at the rear edge of the door opening to the left-hand rear door opposite the left C-post panel
- Carefully pry off the left-hand C-post panel at the sides in the top edge using 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 from the side panel.

3



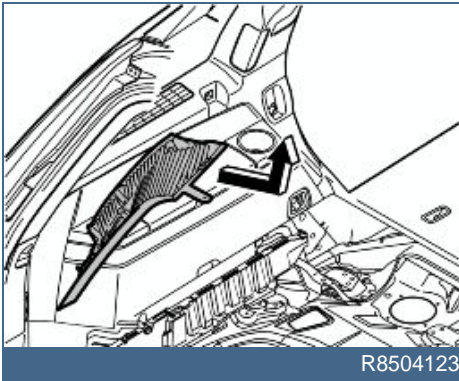
R8504201

Preparatory work

Applies to the XC90

- Remove the cover and the screws underneath for the rear headlining
- Carefully pry off the panel at the rear edge using a plastic weatherstrip tool
- Pull the rear edge of the panel downwards until all clips in the inside have released
- If the car has lighting in the panel, disconnect the connector
- Pull the panel backwards to release it.

4



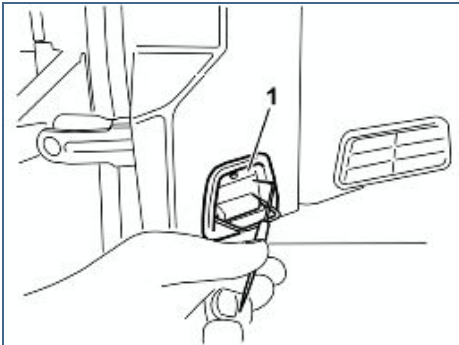
R8504123

Preparatory work

Applies to the XC90

- Pull off the 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.

5A



R8504313

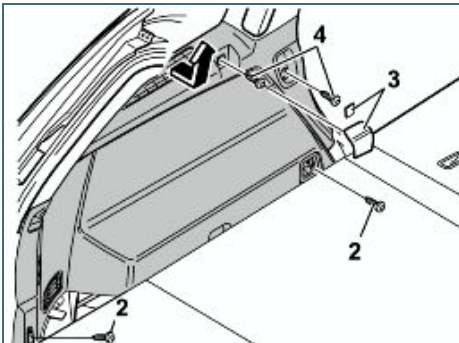
Preparatory work

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

Applies to all XC90

- 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 off the cover.

5B



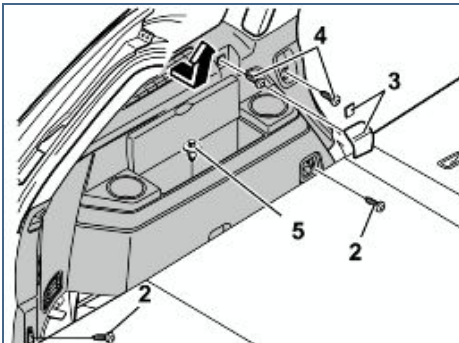
R8504315

Illustration B applies to XC90 with two rows of seats

Illustration C applies to XC90 with three rows of seats

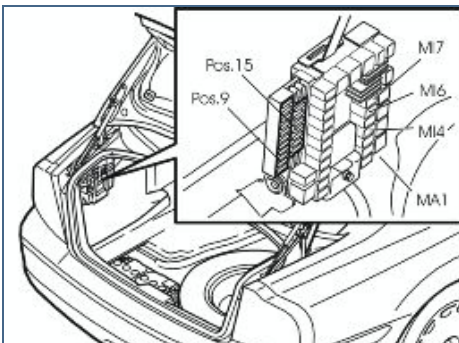
- Fold up the seats in the third row (applies to cars with three rows of seats)
- Remove the screws (2) for the load securing eyelets in the left-hand side panel
- Remove the covers (3) over the front mountings for the left-hand side panel by prying them off using plastic weatherstrip tool or a small 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.

5C



R8504316

6A



D3702892

Connection

Illustration A applies to the S80 and the S60

Illustration B applies to the V70 (00-)

Illustration C applies to the XC90

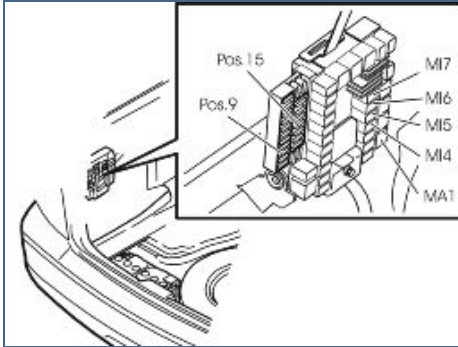
Install the correct fuse / relay depending on the model (year) and desired function

Applies when connecting the fog tail lamp function

- Install the relay in the rear electronic module, terminal MI 7.

Applies when connecting the automatic shut-off function for the fog tail lamp

6B



M3702111

Note!

- This function requires software unique to the car.

Program the software according to the service information in VIDA.

Applies when connecting the positive power supply / charging function (15 l supply) on the S80 (model year 1999)

- Install the relay in the rear electronic module (REM), terminal MA 1
- Install a 15 A fuse in the rear electronic module, terminal 9.

Applies when connecting the positive power supply / charging function (15 l supply) on the S80, S60, V70 (00-) and XC90

- Install the relay in the rear electronic module (REM), terminal MA 1
- Install a 20A fuse in the rear electronic module (REM), terminal 9, and a 15A fuse in terminal 15.

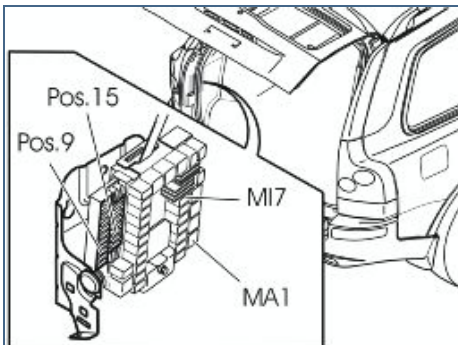
Applies to the S80/S60 manufactured before week 38-2001 without positive power supply

- Remove the two relays in terminals MI 6 and MI 4. Replace them with new relays with P/N 8651661. The third relay must not be used for these cars.

Applies to the V70 (00-) manufactured before week 26-2002 without positive power supply

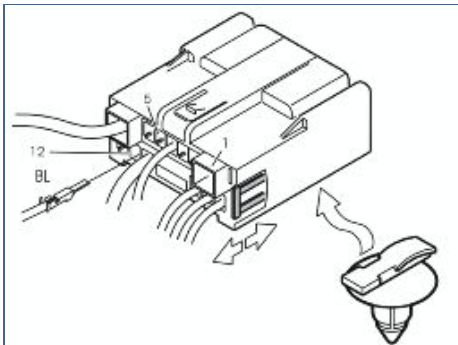
- Remove the three relays in terminals MI 6, MI 5 and MI 4. Replace them with relay P/N 8651661 in terminal MI 6 and MI 4 and relay P/N 8663490 in terminal MI 5.

6C



R3702888

7



M3702159

Connection

- Disconnect the connector for the towbar wiring. Locate the connector by following the wiring that comes up through the rubber seal in the floor in the cargo compartment, where the battery breather tube exits
- Release the red catches by pressing them forward
- Connect the blue (BL) cable to terminals 1, 5 or 12, depending on the desired function. Terminals: 1 = Charging; 5 = Fog tail lamp; 12 = Reversing lamp
- Return the catches to the locked position.

Note!

If the "Charging" function is to be used, the existing cable terminal must be cut off and replaced with the cable terminal from the kit.

- Reconnect the towbar wiring connector.

8

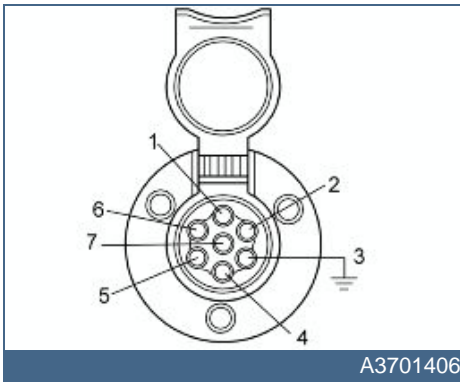
Finishing work

- Reinstall the panel, the storage boxes and the floor hatches according to points 1-5.

Applies to the XC90

- Tighten the screws for the load securing eyelets. Tighten to **24 Nm (18 lbf. ft)**.

9A



Finishing work

Illustration A

Checking the 7-pin connector:

1	Left turn signal lamps
2	Fog tail lamp / reversing lamp / charging
3	Ground
4	Right turn signal lamps
5	Right parking lamps
6	Brake lamp
7	Left parking lamps

9B

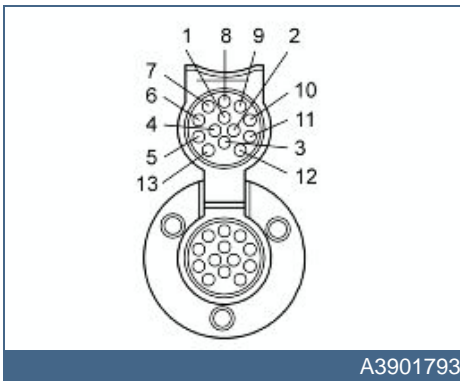


Illustration B

Checking the 13-pin connector:

1	Left turn signal lamps
2	Fog tail lamp
3	Ground
4	Right turn signal lamps
5	Right parking lamps
6	Brake lamp
7	Left parking lamps
8	Reversing lamp
9	+30 supply
10	Charging
11	Not used
12	Not used
13	Ground