

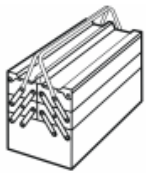
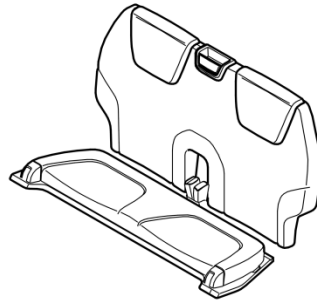
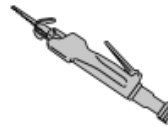
**854: Auxiliary seat**

V70 (00-08), 2004

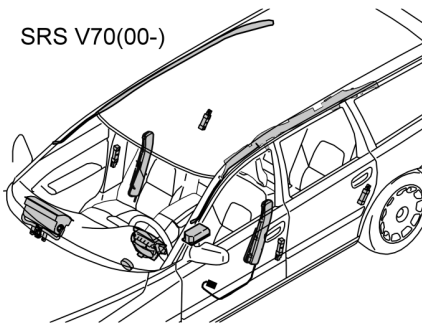
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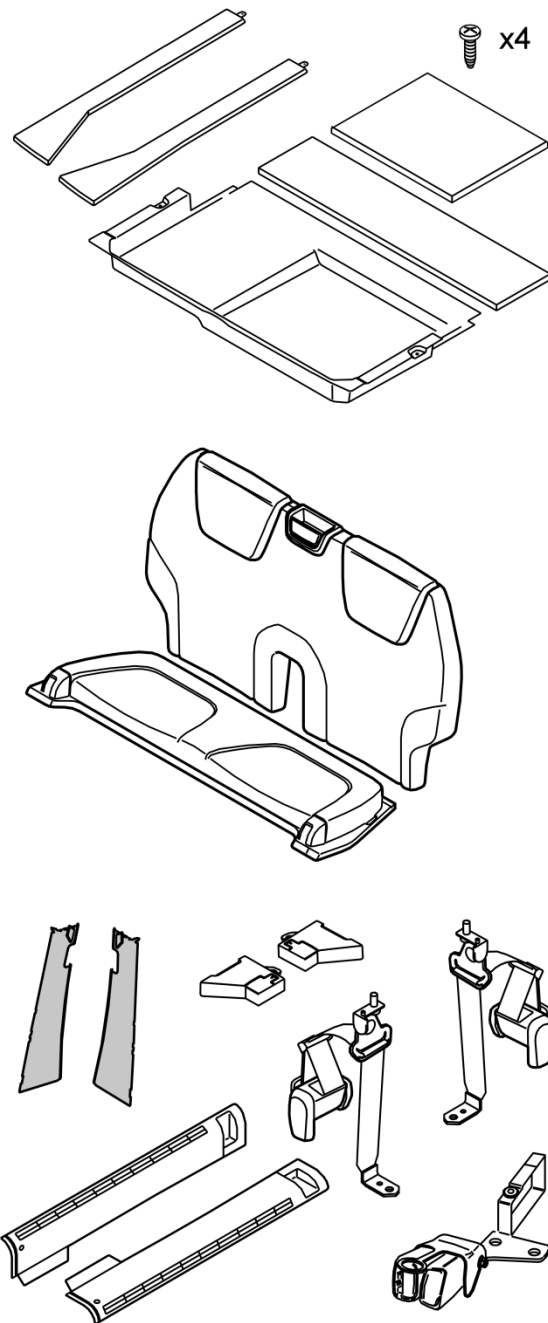


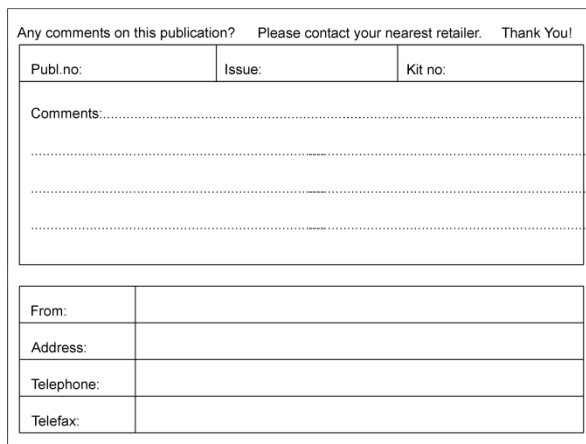
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**854: Auxiliary seat****Auxiliary seat****Installation instruction: 8624018**Nm  
lbf.ft

SRS V70(00-)







- 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.

### 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!**

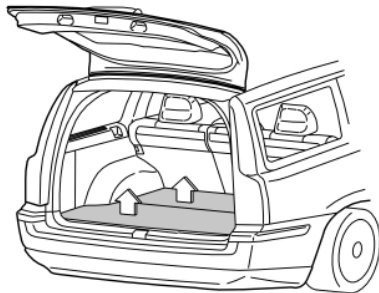
**The air bag inflation areas must not be obstructed. Never place any objects, such as upholstery or accessories, within these areas. The panels must be able to open in the correct manner at the right time, otherwise there is an increased risk of personal injury in the event of a collision.**

#### **CAUTION!**

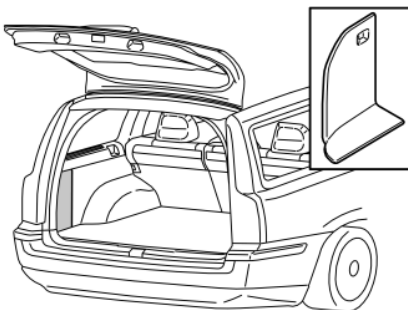
**The ignition must be in position "0" and the key removed from the ignition switch if any connector in the SRS system is to be unplugged. Then wait at least one minute and disconnect the battery negative lead before unplugging any of the connectors. When work is completed, the ignition key must be turned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

#### **Auxiliary rear facing seat**

**Note! The lock cylinder for the tailgate must be ordered separately.**

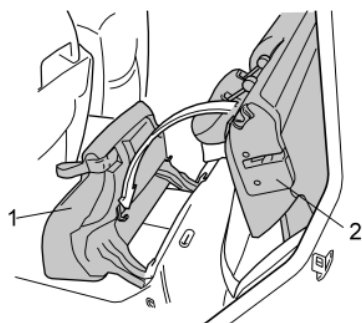
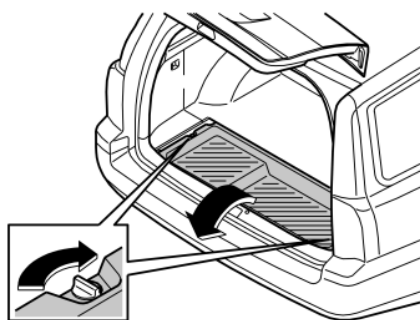


- Remove the two floor hatches in the cargo compartment. First lift at the rear edges, then remove the floor hatches backwards. The rear floor hatch is securely installed. Detach one side at a time. Lift up the floor hatch approximately 10-15 cm (5"). Detach one corner at a time.
- Place the floor hatches to one side. The floor hatches will not be used again.

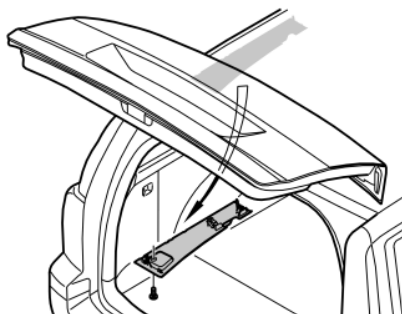


- Remove the foldable side panels on the left and right-hand sides of the cargo compartment.

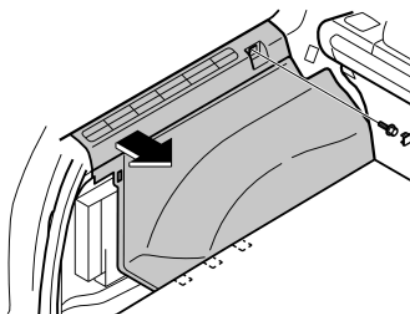
- Remove the storage box from under the rear floor hatch by turning the clip on the left and right-hand sides 90°. Lift out the box. This will not be used again.



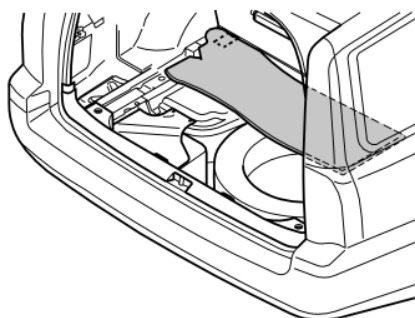
- Fold the rear seat cushion forward on both the right and left-hand sides.
- Fold the rear backrest forward on both the right and left-hand sides.



- Remove the Torx screw from the rear edge of the left and right-hand side headlining panels in the cargo compartment. Remove the headlining on the left and right-hand side
- Then pull the panel downwards. Start at the rear edge until all the clips release. Remove the panel
- Place the panel to one side. New panels are in the kit.



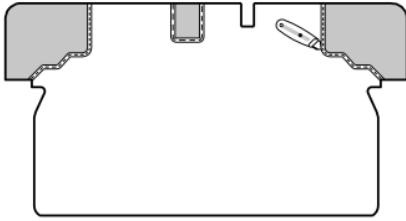
- Remove the cover and then the screw from the front edges of the side panels on the left and right-hand sides of the cargo compartment. Remove the side panels from the left and right-hand sides
- Pull the top of the panel out until the clips release.
- If the car is equipped with a 12V electrical socket by the right side panel. First remove the connector from the 12V electrical socket.
- Fold the panel inwards. Lift the panel out.



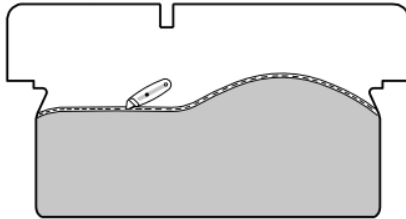
- Remove the insulation panel in the cargo compartment.

#### Illustration A

- Turn the insulation panel upside down. Place the insulation panel on an underlay

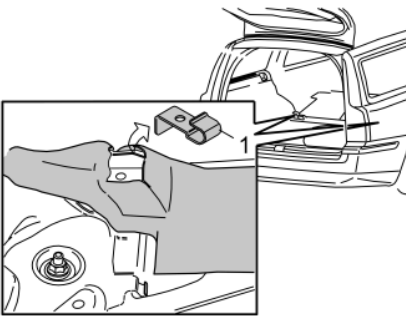


- Cut out the centre of the embossings as illustrated.

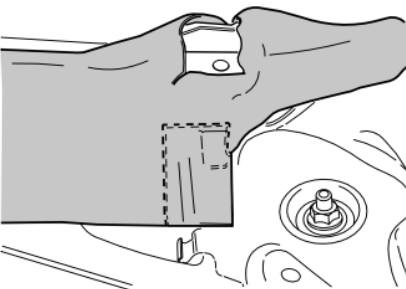


#### Illustration B

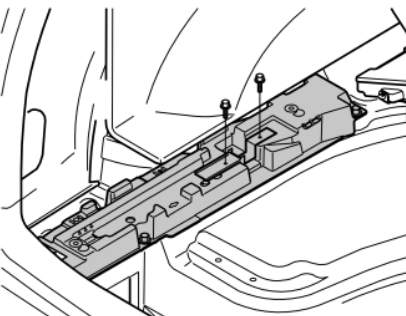
- Turn the insulation panel so that the black side faces upwards.
- Cut out the centre of the embossings as illustrated.



- Remove the two mountings (1) for the front floor hatch on the right and left hand sides. The front floor hatch will not to be used again.

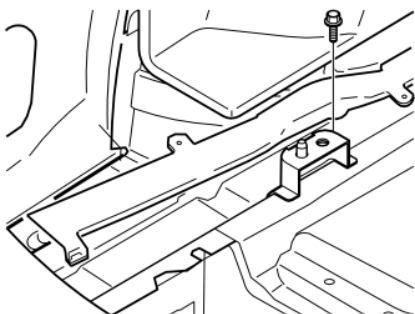
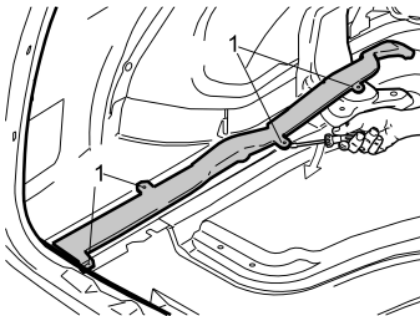
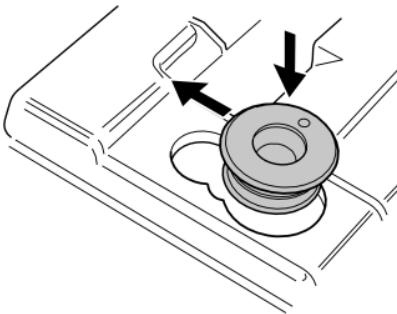
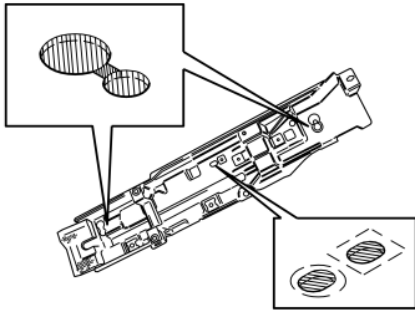
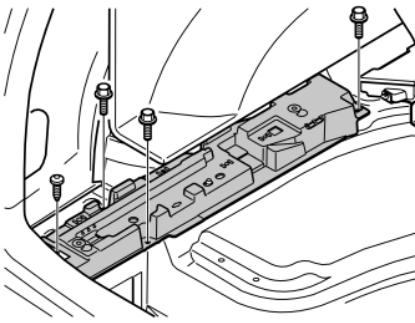


- Tear off a small piece of the carpet following the existing perforations on the right and left-hand sides beside the shock absorber mountings.



- Remove the two screws from the bracket for the rear floor hatch mounting.
- Remove the bracket. Place the bracket to one side. The bracket will not be used again
- Repeat the operation on the other side.

- Remove the screw on the left-hand side of the tailgate sill.



- Remove the three screws from the left-hand floor support.
- If the car is equipped with a CD or RTI, remove the three screws for the CD bracket.
- Lift up the front edge of the floor support. Pull the floor support forward
- Repeat the operation on the other side.

- Turn the floor support upside down. Drill and file out at the existing embossings in the front and rear edges of the floor support. Also drill and file in the centre.

**Note! Do not file out more than the embossings show on the underneath of the panel.**

- Repeat the operation on the other side.

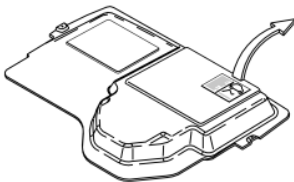
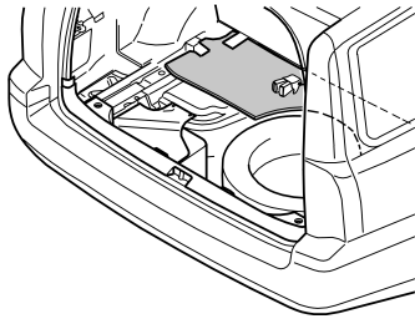
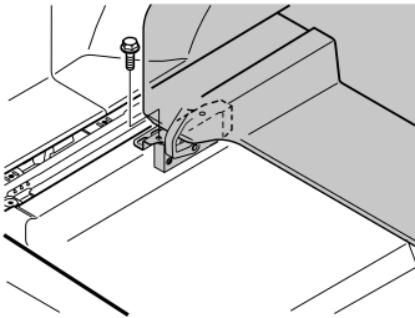
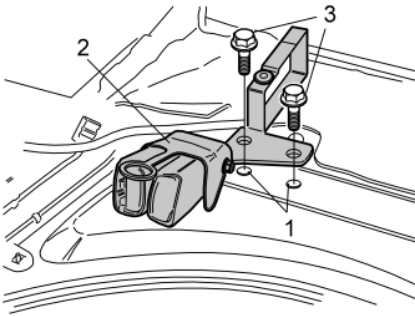
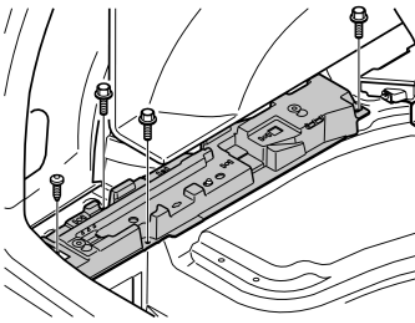
- Press the clips (from the kit) into the small holes on the front and rear edges of the two floor supports as illustrated.

- Carefully pry up the left-hand cable duct. Use a screwdriver. Remove the left-hand cable duct from the mounting points (1).
- Repeat the operation on the other side.

- Carefully lift up the cable duct slightly. Position a shim between the cable duct and floor to support the cable duct
- Position a mounting (from the kit) under the cable duct in the guide hole and over the weld nut in the floor.
- Take a flange screw from the kit and tighten the bracket into the floor. Torque tighten to **50 Nm (37 ft.lbf)**.
- Press the cable duct into place again.
- Repeat the operation on the other side.

- Reinstall the left and right-hand floor supports. Tighten the floor supports using the three screws in the floor and the screw through the





panel for the tail gate sill. If the car is equipped with a CD or RTI, reinstall the three screws for the CD bracket.

- Remove the blind cover plugs for the holes (1) in front of the spare wheel well.
- Take the buckles (2) from the kit and install them with two flange screws (3) from the kit in the existing holes in front of the spare wheel well. Torque tighten to **50 Nm (37 ft.lbf)**.

**Note! Remove and discard the yellow transportation protection.**

- Take the seat cushion from the kit. Locate the mountings in the mountings for the floor support on the right and left-hand sides
- Take two flange screws with washers from the kit and tighten the seat cushion into the brackets, and at the same time correctly adjust the fit between the tailgate sill trim panel and the rear edge of the seat cushion. Torque tighten the screws to **50 Nm (37 ft.lbf)**.

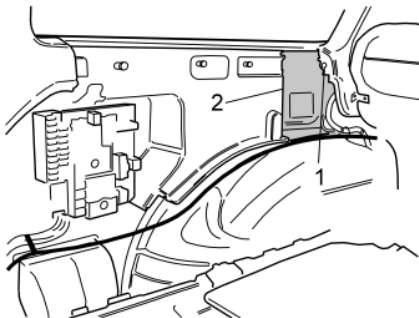
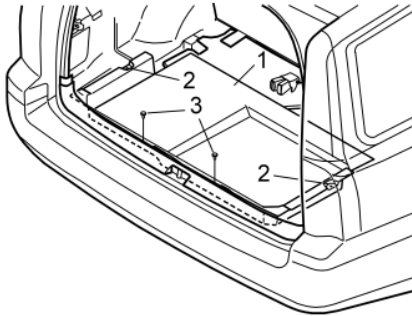
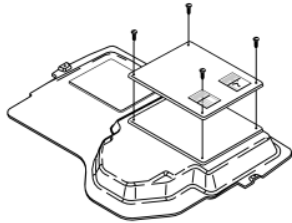
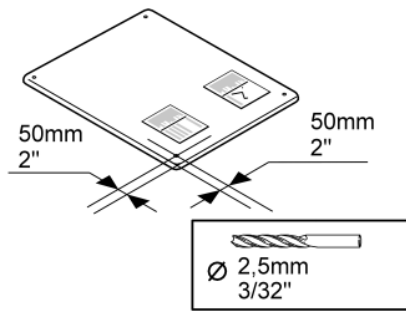
- Reinstall the cut out insulation panel in the front edge of the cargo compartment, under the seat belt anchorages.

Does not apply to the V70 XC (00-)

- Position the new "base plate" (from the kit) upside down
- Carefully remove the decal for the tow hitch (if applicable) - the decal will be reused.

Does not apply to the V70 XC (00-)

- Remove the wood screw from the kit. Mark out



the four holes for pre-drilling as illustrated

- Drill out the holes using a **Ø 2.5 mm (3/32")** diameter drill bit according to the marked holes.

Does not apply to the V70 XC (00-)

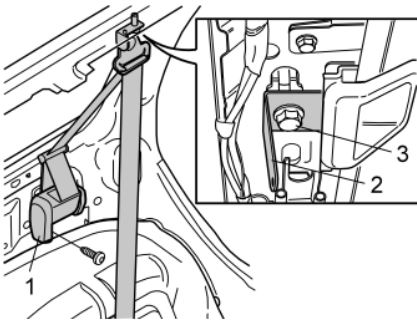
- Position the "base plate" to obtain a counterhold. Align the new wooden plate with the existing plate. Tighten the wooden plate using the four wooden screws from the kit.
- There are two decals on the wooden plate. Remove the decal that does not correspond to the drive system for the car (2WD/4WD).
- Securely bond the previously removed decal for the tow hitch.

- Position the new "base plate" (1) (from the kit) in the place previously occupied by the storage box.
- Lock the base plate using the two knobs (2). Press the base plate into position at the rear edge into the existing holes in the tailgate sill panel. Use the clips (3).

- Remove the clips (1) from the front edges of the insulation panels on the right and left-hand sides by the rear wheel wells, behind the C-posts.
- Cut off the front section of the panel at the perforations (2).

- Remove the screw (1) in the cantrail at the mountings for the cargo net on the left and right-hand sides of the cargo compartment.

- Take the left safety belt reel (1). Remove the yellow plastic washer on the screw
- Install the reel in the existing hole on the



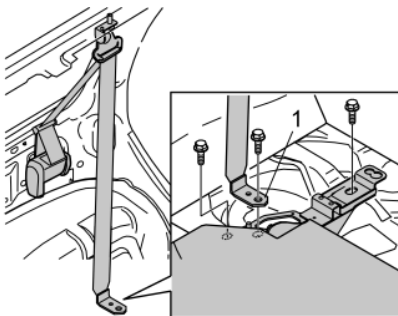
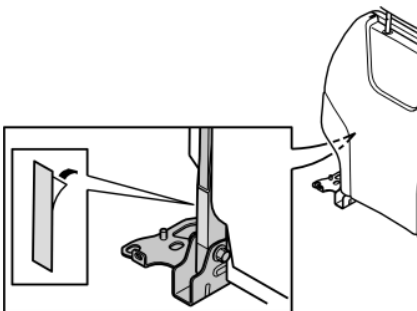
lower / front edge of the rear side window as illustrated.

**Note! The locating pin on the reverse of the reel.**

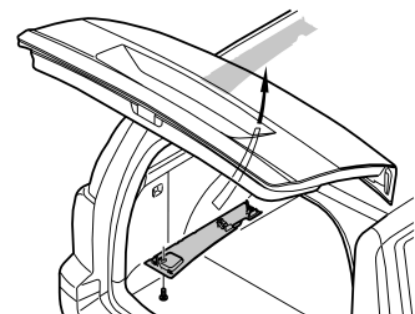
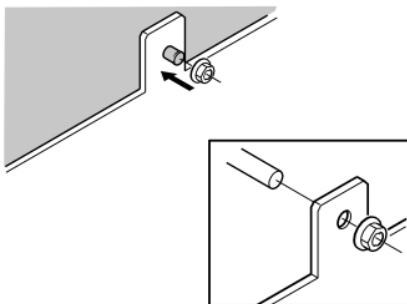
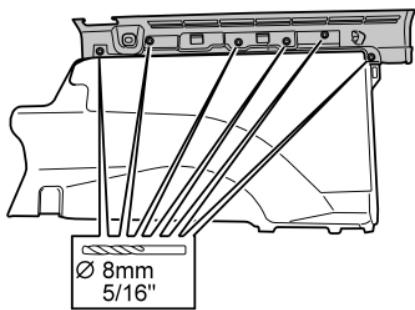
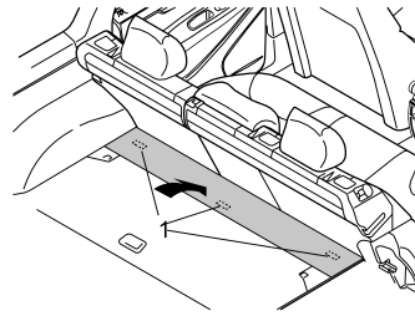
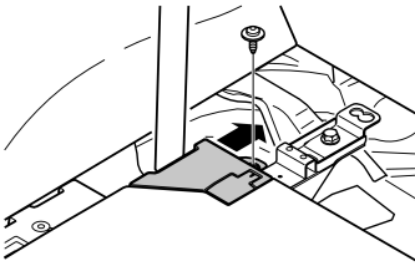
- Tighten in the inertia reel and torque tighten to **50 Nm (37 ft.lbf)**, while pressing the inertia reel forward.
- Remove the yellow plastic washer from the screw on the upper seat belt guide (2).
- Tighten in the belt guide with the screw (3) in the existing hole. Torque tighten to **50 Nm (37 ft.lbf)**.

**Note! Do not damage the yellow cable for the SRS.**

- Repeat the operation on the other side.
- Remove the transportation protection on the backrest hinges, on the right and left and sides.



- Take the backrest cushion from the kit. Position the mountings over the three mounting holes on the inside of the upper mountings for the rear shock absorbers. Check that the insulation panel is not positioned between the brackets for the floor and backrest cushion
- Insert the four flanged screws and washers (from the kit) into the front and rear holes on the left and right-hand sides. Do not tighten fully yet.
- Take the left-hand seat belt (marked L on the face of the seat belt reel) from the kit.
- Remove the yellow locking washer from the screw in the mounting on one end of the seat belt.
- Install the mounting (1) in the remaining hole by the left-hand shock absorber mounting.
- Repeat the operation with the right-hand seat belt.
- Adjust the backrest cushion so that it aligns in the cut out in the seat cushion.
- Tighten all six screws and torque tighten to **50 Nm (37 ft.lbf)**.
- Take the left-hand protective cover for the safety belt mountings from the kit. Install as illustrated
- Insert the locating pin for the protective cover in the corresponding mounting under the backrest cushion. Fold the protective cover down
- Tighten using the screw from the kit.
- Repeat the operation on the other side.



- Press the front floor panel (from the kit) into the three clips (1).

- Take the side panels from the kit. Drill out the centre of the six mounting points. Use an  **$\varnothing 8\text{mm}$  ( $5/16''$ )** diameter drill bit.
- Do not damage the lower section of the panel which will be used again.
- Remove the upper section from the lower section. Place to one side
- Repeat the operation on the other side.

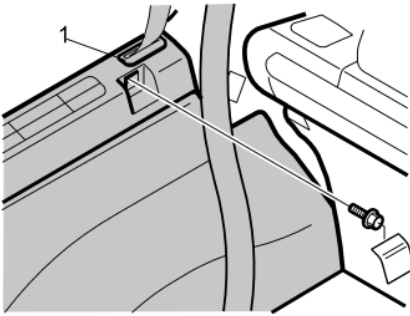
- Take a new upper section of the panel from the kit. Press the new upper section of the panel into the holes in the lower section of the panel.
- Take six steel nuts from the kit. Tighten the upper section of the panel
- Repeat the operation on the other side.

#### Illustration A

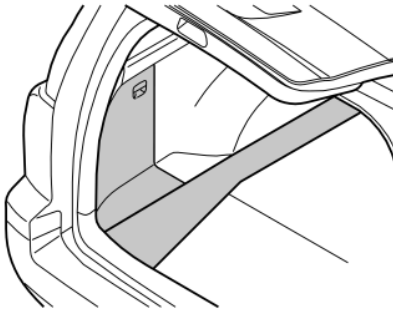
- Install a new left-hand cantrail panel (from the kit).

#### Illustration B

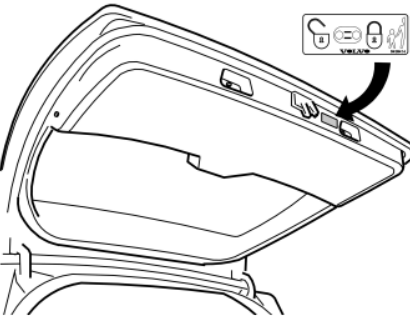
- Reinstall the left side panel. Ensure that the



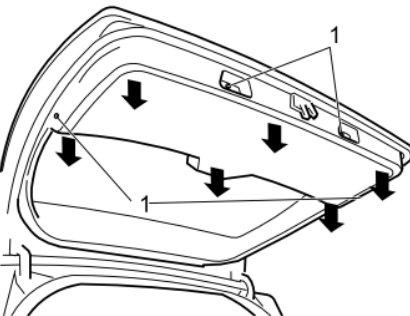
- insulation does not catch the seat belt reel - tear off a piece of the insulation if necessary.
- Press the seat belt cover (1) into the side panel.
- Repeat the operation on the other side.



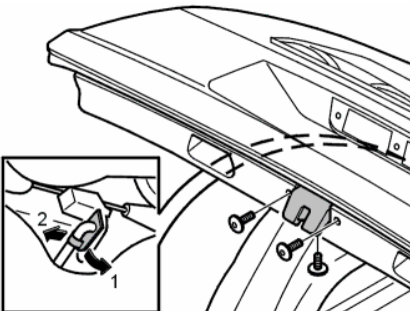
- Reinstall the left-hand folding panel.
- Install a new left-hand side floor hatch (from the kit) in the clips in the floor support.
- Repeat the above operation on the other side.
- Fold back the seat cushion and backrest cushion in the rear seat on both sides.



- Install the small yellow warning decal (from the kit) on the tailgate as illustrated.

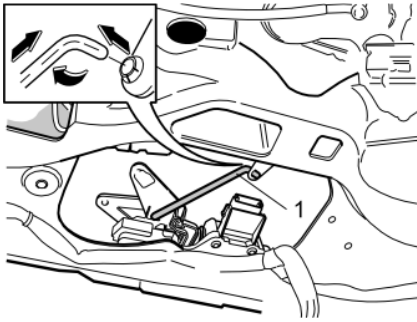
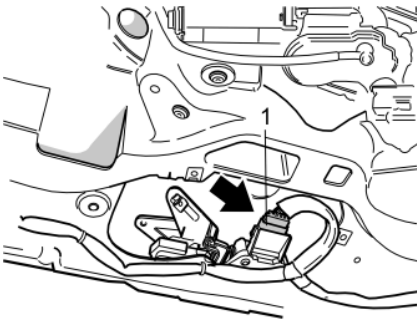


- Remove the four screws (1) from the lower section of the panel on the tailgate.
- Grasp the edges of the panel. Carefully pull off the panel. The panel is secured by eight clips.

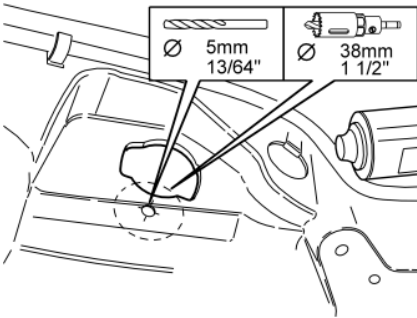


- Remove the three screws holding the lock at the tailgate.
- Remove the link rod (1) from the upper mounting on the lever under the wiper motor.
- Turn the plastic clip. Pull out the link rod.

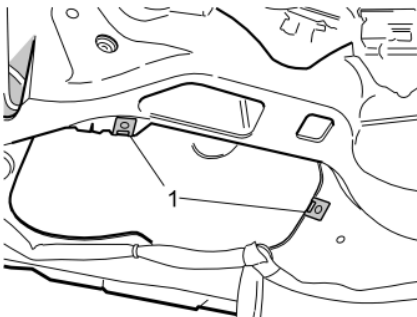
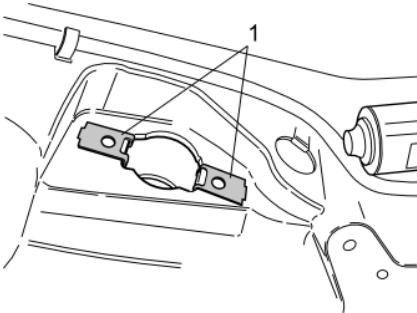
- Remove the connector (1) from the tailgate lock.



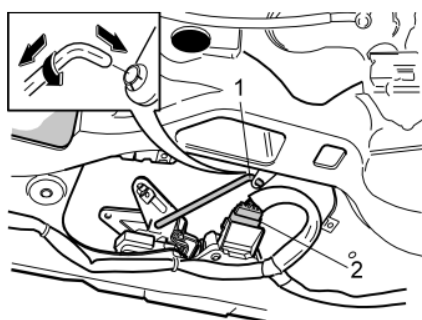
- Remove the link rod (1) from the mounting in the tailgate lock. Turn the link rod a 1/4 turn. Pull the link rod upwards. At the same time, move the loose tail gate lock to facilitate removal
- Remove the existing lock. It will not be used again.



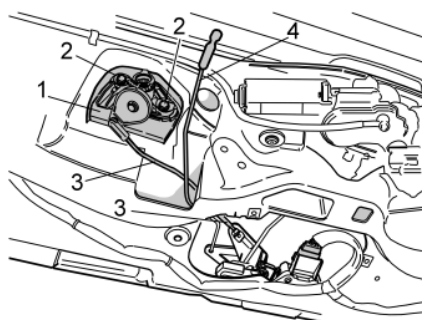
- Drill a **Ø5 mm (13/64")** diameter hole in the outside of the tailgate on the right-hand side of the number plate lighting at the existing marks for the lock cylinder for the auxiliary rear facing seat. Do not damage the paint work. Use protective goggles.
- Carefully drill a **Ø38 mm (1 1/2")** diameter hole from the inside. Use a hole saw.
- Even off the edge of the hole using a fine round file.
- Remove the drill and file swarf. Remove any drill dust using a damp sponge.
- If the paint is chafed around the hole edges - apply touch up paint.
- Install the two spring nuts (1) (from the kit), if not already installed, as illustrated. The clips secure the lock cylinder to the tailgate.



- Install the two small spring nuts (1) (from the kit) to secure the inner handle for the tailgate.



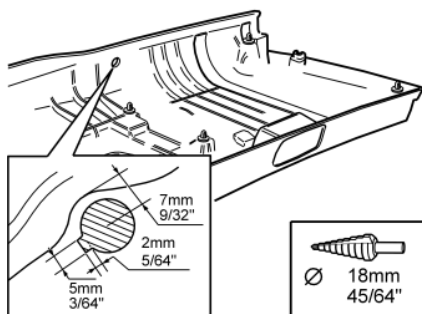
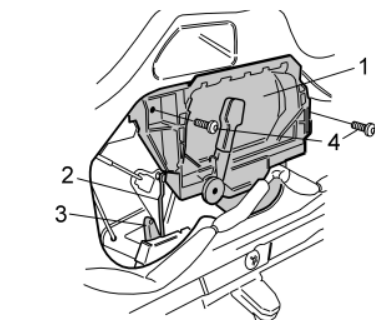
- Install the new lock for the tailgate (from the kit).
- Reinstall the three screws. Do not tighten yet.
- Reinstall the link rod (1) between the lock and the lever under the wiper motor (see points 40).
- Tighten the lock.
- Connect the connector (2).



- Install the lock cylinder (1) together with the reinforcement (from the kit) on the two spring nuts.
- Install the two screws (2) (from the kit). Tighten the lock cylinder and reinforcement.
- Install the link rod (3) (from the kit) between the lock cylinder and lock.

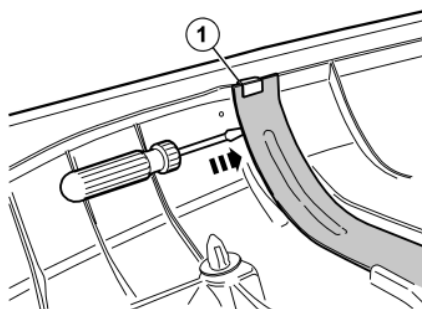
Applies to USA

- Install the lock button and link rod (4) in the lock.
- Take the inner opener (1) for the tailgate from the kit. Position the inner opener on the two spring nuts at the tailgate lock. At the same time thread the link rod (2) down in front of the spring (3).
- Take two screws (4) from the kit. Tighten the opener.
- Check the function of the opener.



Applies only to the USA and only to cars without reinforcing rail on the inside of the panel

- Drill a **Ø18 mm (45/64")** hole in the upper side of the panel using a step drill bit, for the lock button plastic grommet.
- File out the square section of the hole, in accordance with the measurement diagram.
- Smooth off the hole edges and remove the drill swarf and filings.



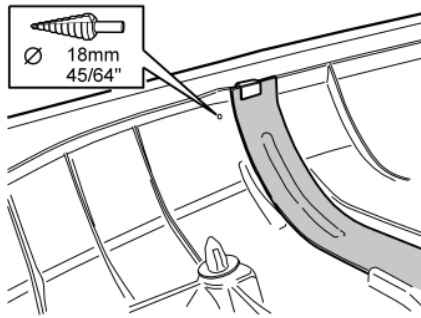
Applies only to the USA and only to cars with reinforcing rail on the inside of the panel

- Press the reinforcing rail with a screwdriver over as far as possible from where the hole shall be drilled.
- Detach the clip (1) if this is necessary.

#### Illustration A

Applies only to the USA and only to cars with

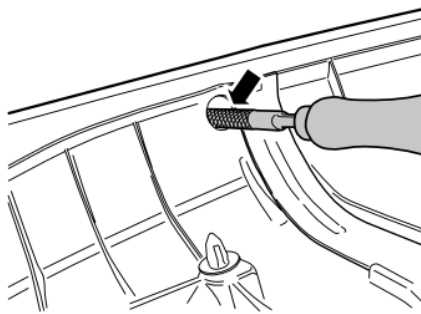
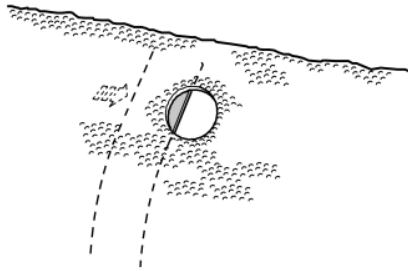




reinforcing rail on the inside of the panel

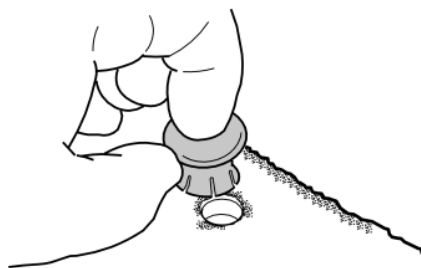
- Mark out the hole in accordance with step 47.
- Now drill out the hole to **Ø18 mm (45/64 ")** using a step drill bit and file out in accordance with step 47.
- Push back the rail and reinstall the clip if this was removed.

#### Illustration B



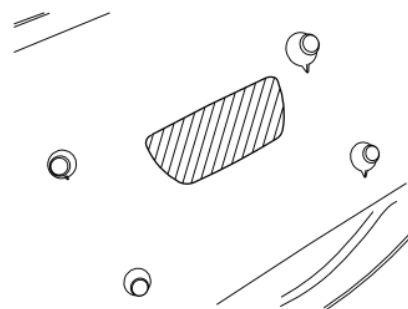
Applies only to the USA and only to cars with reinforcing rail on the inside of the panel

- Now file out from the reinforcing rail so that it does not block the hole.
- Smooth off the hole edges and remove the drill swarf and filings.



Applies only to USA

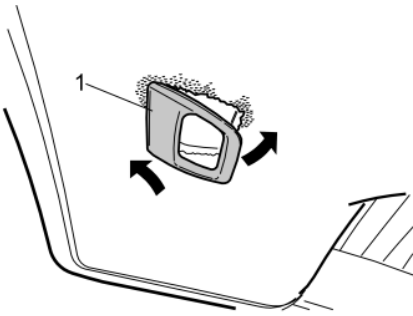
- Take the plastic grommet for the lock button from the kit. Press the plastic grommet into the panel.



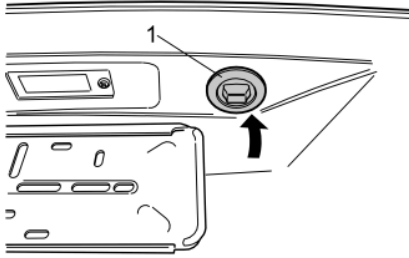
- Saw a hole using the existing marks in the tailgate panel. The hole is for the tailgate opener.
- Even off the edges.

- Reinstall the tailgate panel. Ensure that the lock button is correctly positioned.





- Take the tailgate opener panel (1) from the kit. Hook the panel on the inner panel on the tailgate opener. Press into place as illustrated.



- Take the plastic seal (1) from the kit. Install the plastic seal in the hole for the lock cylinder.

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