

## 84 10 332 Removing and installing the telematics control unit below the headlining (for equipment specification with panorama glass roof)



### Scratches.

**Tools and sharp-edged components can cause scratches.**

- Protect working area.
- Handle tools and components carefully.

## PRELIMINARY WORK

### 1 – Lower rear headlining



#### **Fold the headlining.**

**If the headlining is folded, it may have to be replaced.**

- Carry out tasks with a second person to assist.
- Support the headlining at the front and back.

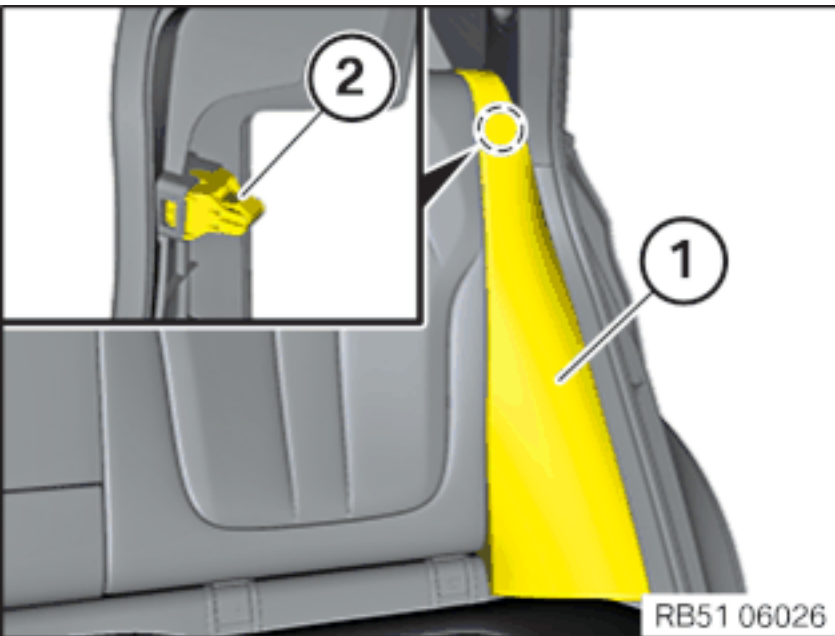
► **Remove backrest side section on left and right**



Description is for left component only. Procedure on the right side is identical.

▷ **Removing the backrest side section without side airbag**

- Reach behind backrest side section (1) from above and unclip it forwards from mounting element (2).
- Remove backrest side section (1) in the upward direction from the guide.



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▷ **Disconnecting all battery earth leads**

- See additional information.



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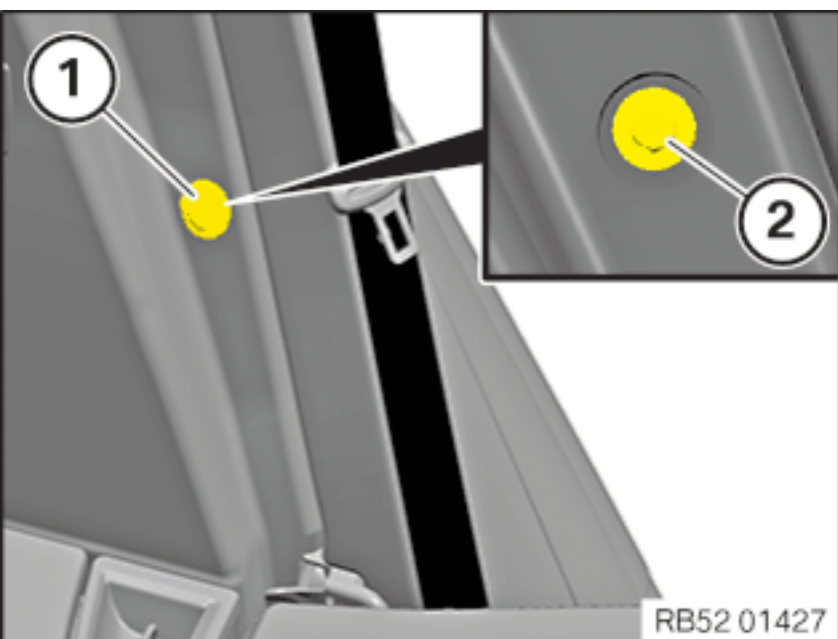
▷ **Removing backrest side section with side airbag**



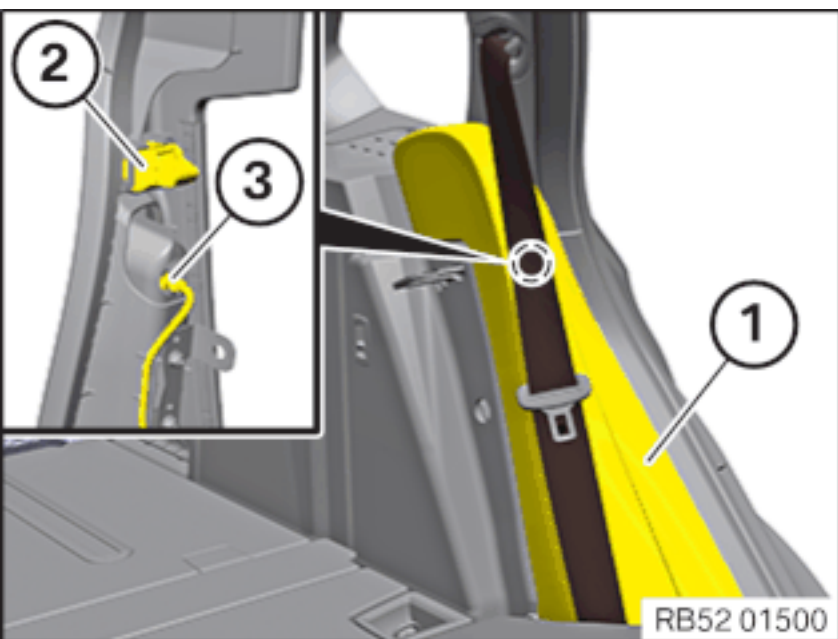
## Airbag unit.

### **Danger! Life-threatening injuries!**

- Before performing any work on the airbag, always disconnect the battery earth lead from the battery.
- Airbag unit may only be set down with the cushion (airbag itself) facing upwards.
- For additional information see: 72 00 ... Safety regulations on handling airbag system components/gas generators



- Release trim (1).
- Loosen screw (2).



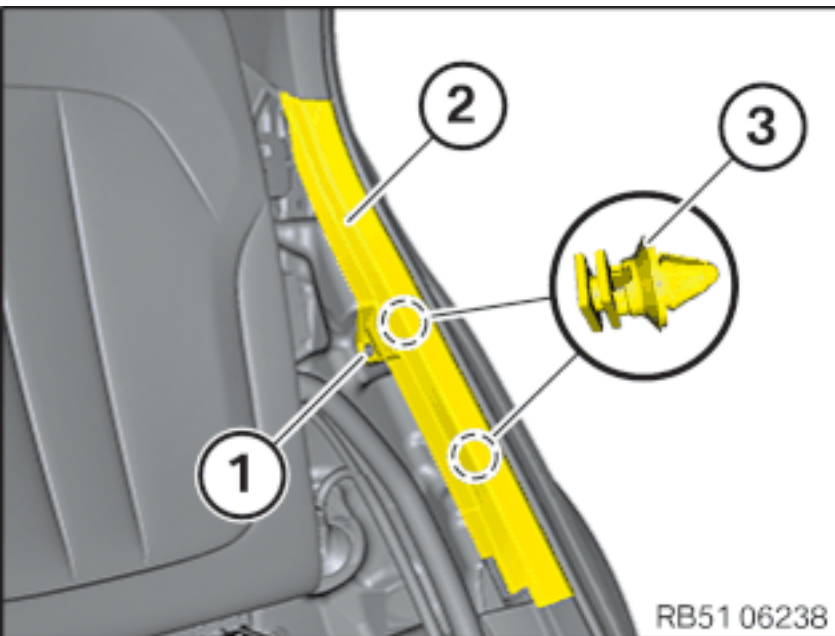
- Reach behind backrest side section (1) from above and unclip it forwards from mounting element (2).
- Unlock plug connection (3) and disconnect.
- Remove backrest side section (1) upwards from the guide.

► **Removing the bottom left and right C-pillar trim panels**

► **Remove the bottom C-pillar trim panel**



Description is for left component only. Procedure on the right side is identical.



- Loosen screw (1).
- Unclip C-pillar trim panel (2) from the clips (3).
- Thread out the C-pillar trim panel (2) from the door sill cover strip and remove.



► **Removing rear door sill cover strip (with an electrical rear seat)**

► **Removing illuminated sill trim on rear sill trim**



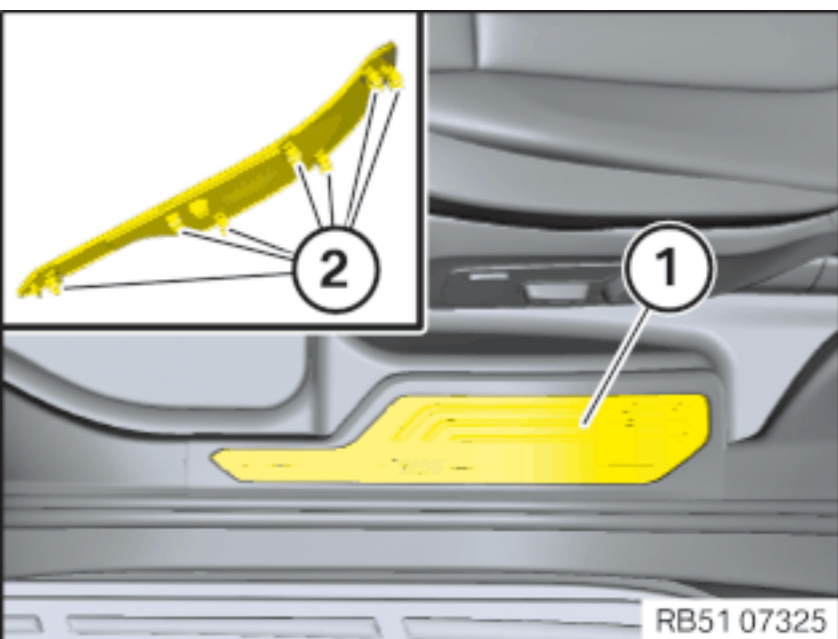
## Bending of plastic parts.

**Application of too much force can lead to bending of plastic parts.**

- Place special tool directly beside the mounting clip.
- Continue unclipping the part without using the tool if possible.

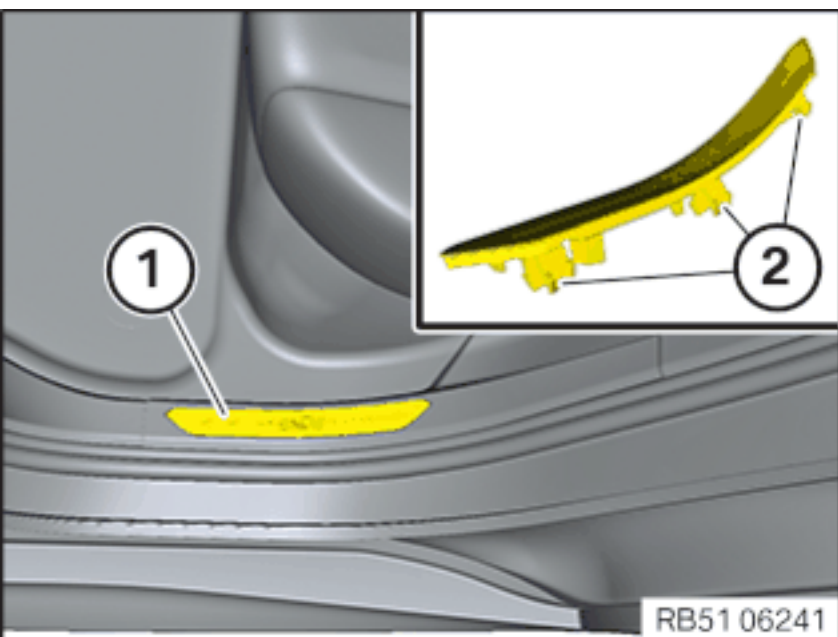


Description is for left component only. Procedure on the right side is identical.



### • **Version A:**

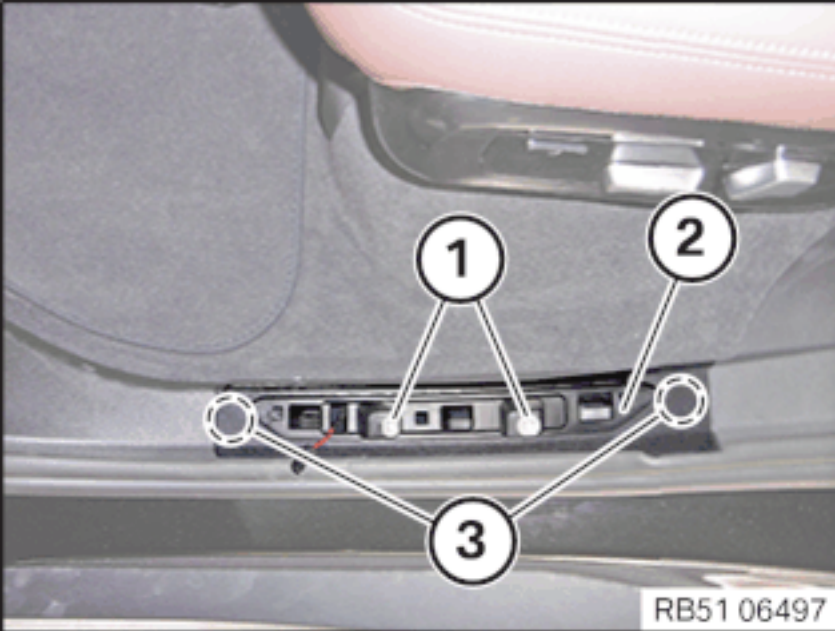
- Lever the illuminated sill trim (1) upwards out of latch mechanisms (2) using a suitable tool.
- Disconnect the plug connection and remove the illuminated sill trim (1).



### • **Version B:**

- Lever the illuminated sill trim (1) upwards out of latch mechanisms (2) using a suitable tool.
- Disconnect the plug connection and remove the illuminated sill trim (1).





- Loosen screws (1).
- Release and remove the rear door sill cover strip (2) with the special tool **0 496 569 (00 9 325)** upwards at the latch mechanisms (3).

### ► Removing bottom left and right C-pillar trim panel (3rd row of seats)

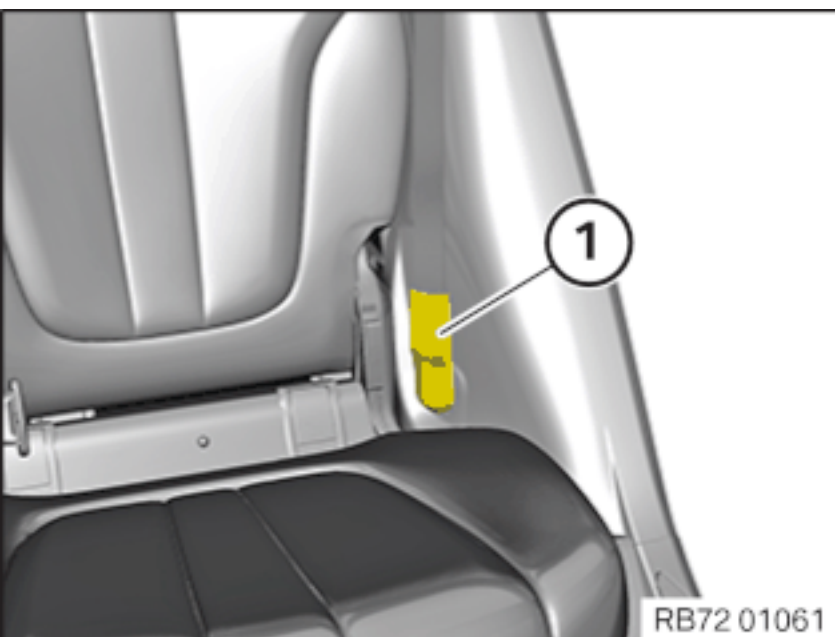


Description is for left component only. Procedure on the right side is identical.

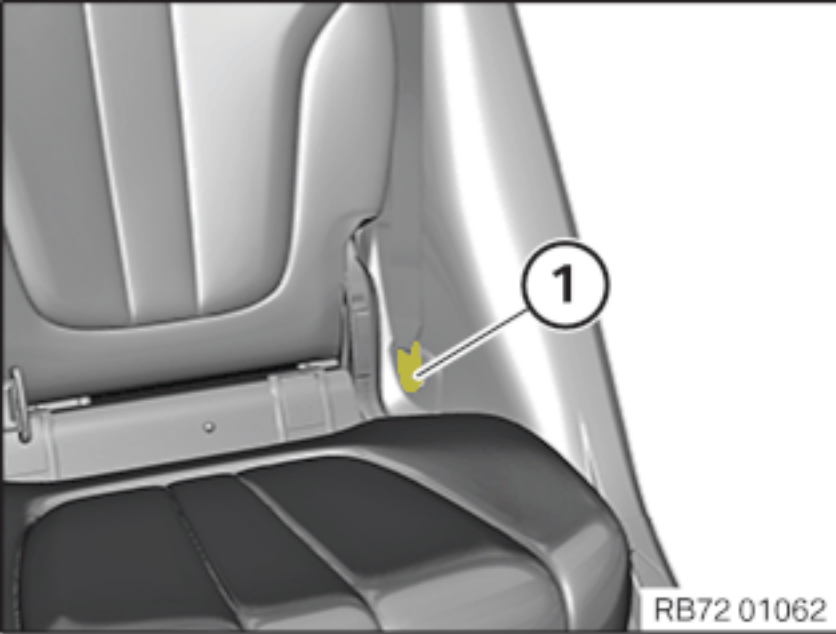
### ► Removing rear right end fitting on lower section of body (3rd row of seats)

#### Prerequisite

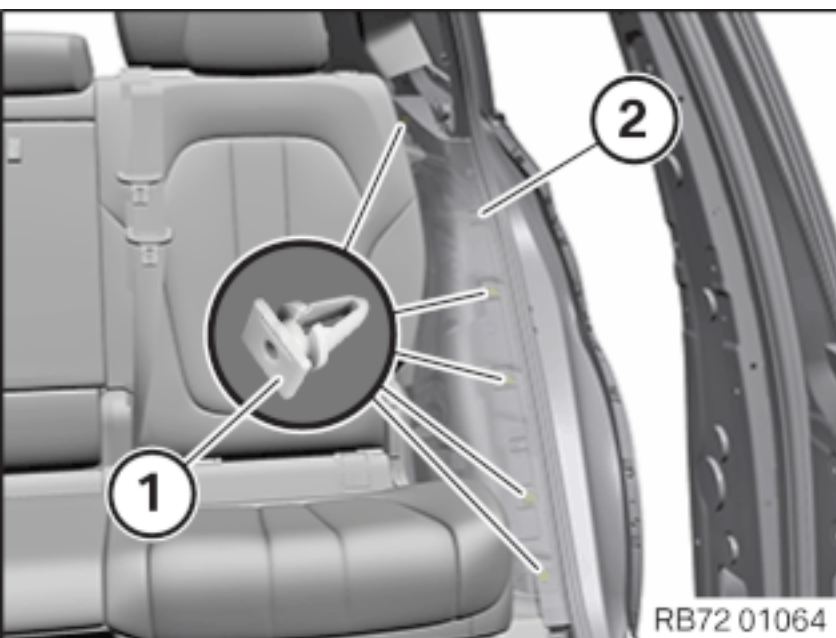
Move the 2nd row of seats fully to the front.



- Unclip rubber cover (1).



- Loosen screw (1).



- Unclip bottom C-pillar trim panel (2) from clips (1).
- Remove the C-pillar trim panel (2).

## ► Removing the left and right C-pillar trim panels

### ► Remove C-pillar trim panel



## Airbag unit.

### **Danger! Life-threatening injuries!**

- Before performing any work on the airbag, always disconnect the battery earth lead from the battery.
- Airbag unit may only be set down with the cushion (airbag itself) facing upwards.
- For additional information see: 72 00 ... Safety regulations on handling airbag system components/gas generators



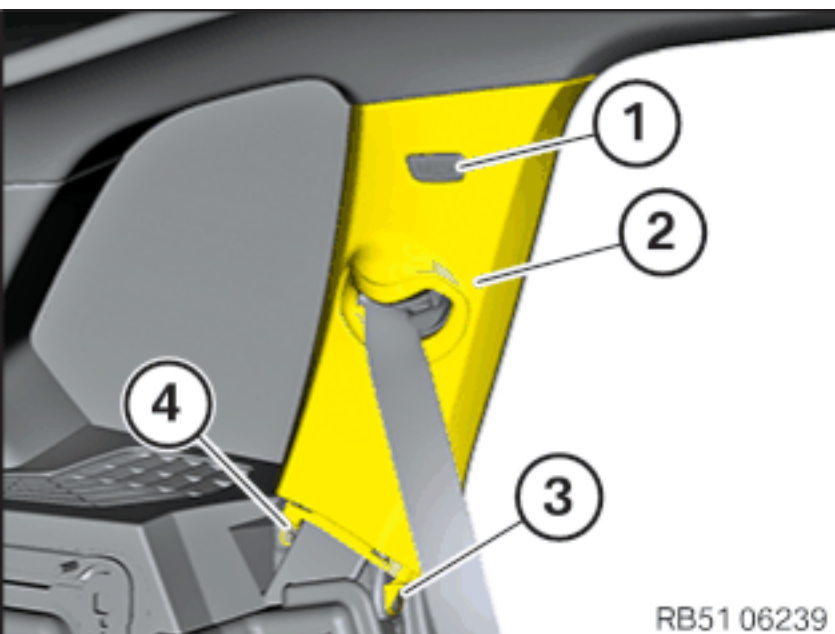
## Pyrotechnic components.

### **Danger! Life-threatening injuries!**

- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see: 72 00 Safety regulations on handling components with gas generators.



Description is for left component only. Procedure on the right side is identical.



- Lever out the cover (1) from the C-pillar trim panel (2) with a suitable tool.
- Release screw below it.
- Loosen expanding rivet (3).
- Loosen screw (4).
- Guide out C-pillar trim panel (2) upwards and remove it.





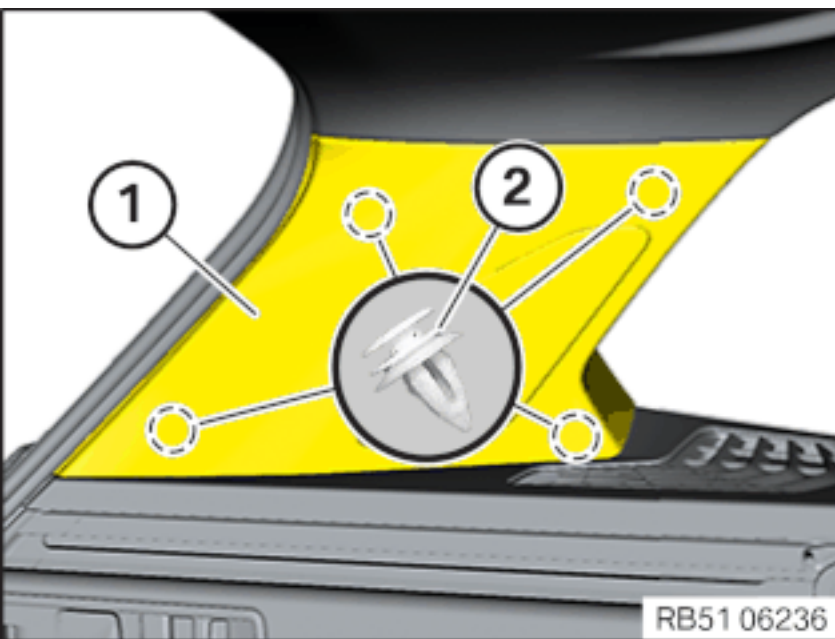
## ► Remove D-pillar trim panel at left and right



Description is for left component only. Procedure on the right side is identical.

### ► Remove the D-pillar trim panel

- Release and guide out D-pillar trim panel (1) from clips (2).

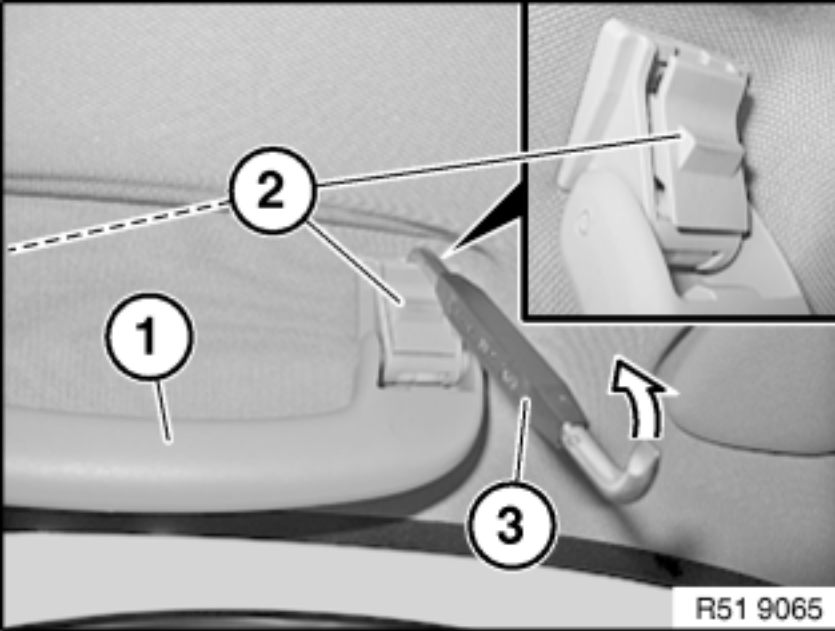


## ► Remove rear grab handles

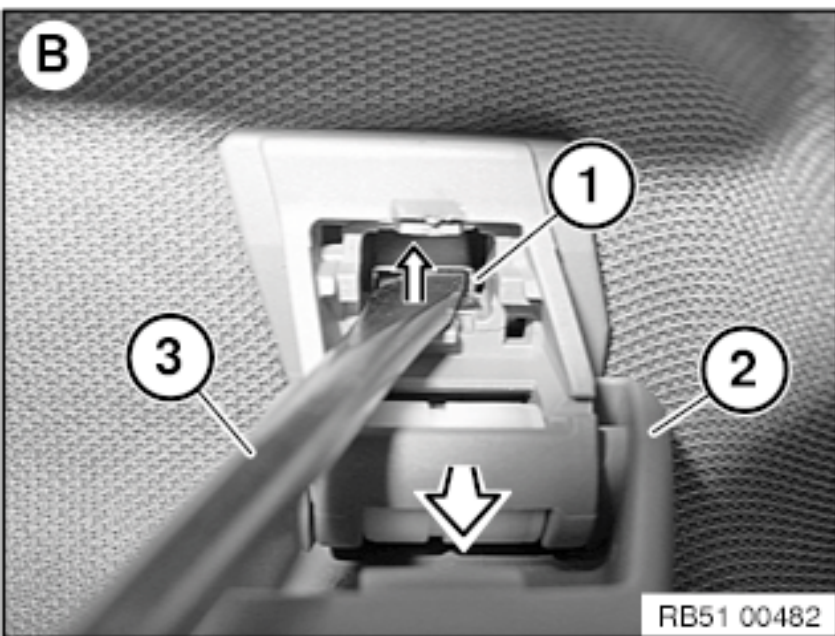


The description is for one component only. The procedure is identical for all further components.

### ► Removing the grab handle



- Expand the grab handle (1) towards the bottom.
- Disengage and remove the locking insert (2) with an angle screwdriver (3) as shown.



- Pull the grab handle (2) slightly to the inside and hold it.
- Use a suitable screwdriver (3) to detach the upper and lower release tabs (1).
- Guide the grab handle (2) out.
- Repeat the operation on the other side of the grab handle (2).

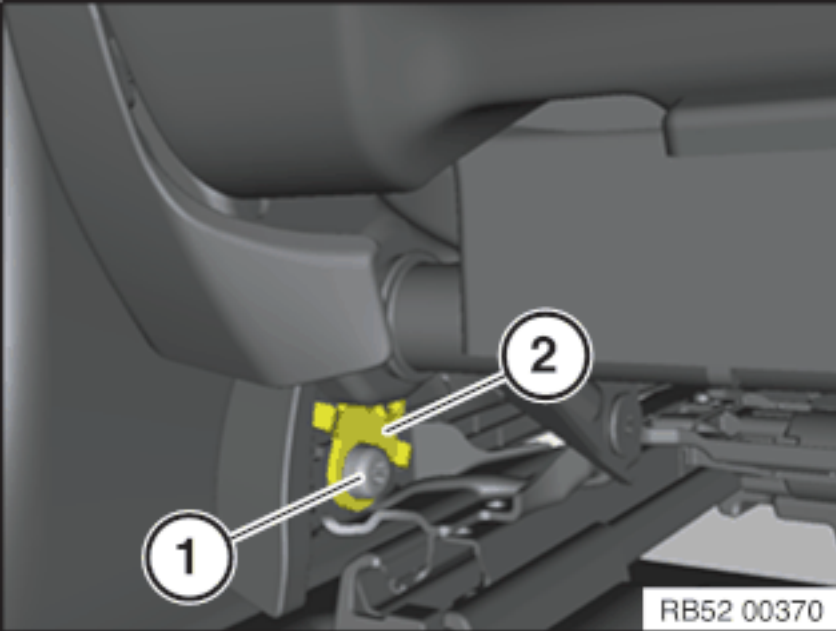
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► **Removing B-pillar trim panels at top left and right**

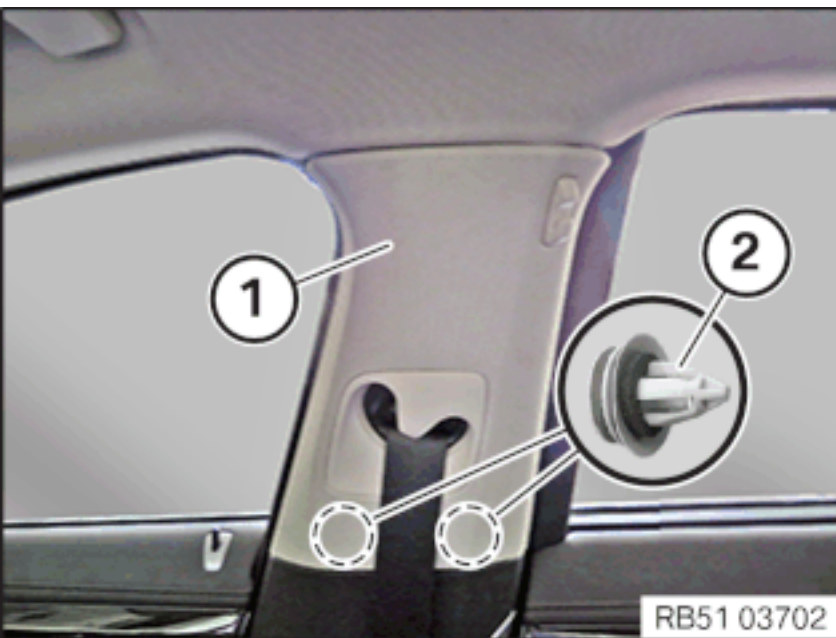
► **Remove the upper B-pillar trim panel**



Description is for left component only. Procedure on the right side is identical.

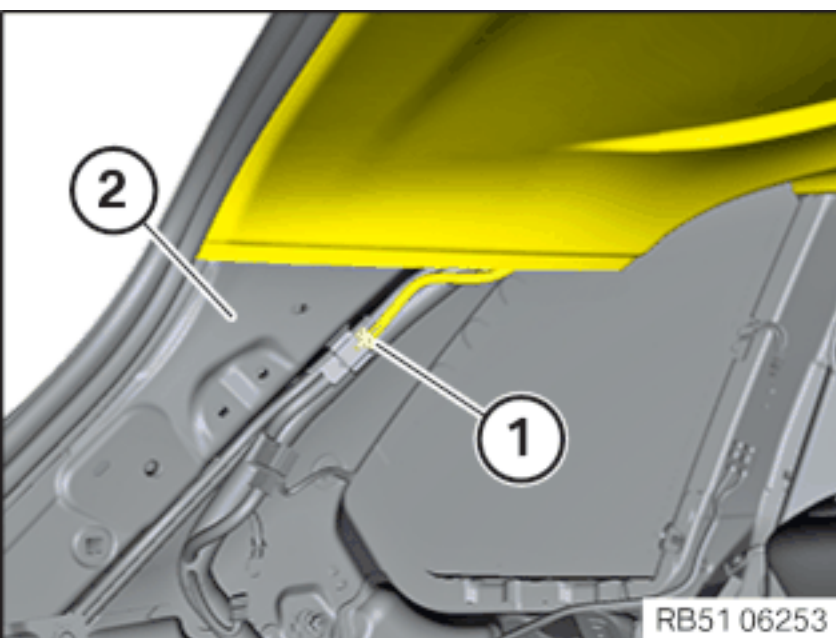


- Fully position the front seat to the front and top.
- Loosen screw (1).
- Remove end fitting (2).

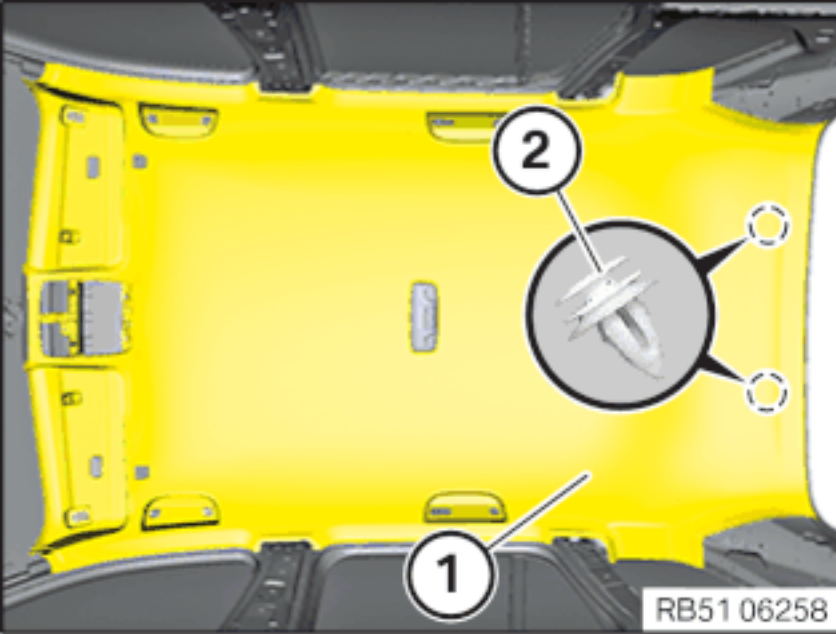


- Release the B-pillar trim panel (1) from the clips (2) and guide it downwards out of the headliner.
- Remove the B-pillar trim panel (1) and, when doing so, guide out the seat belt.

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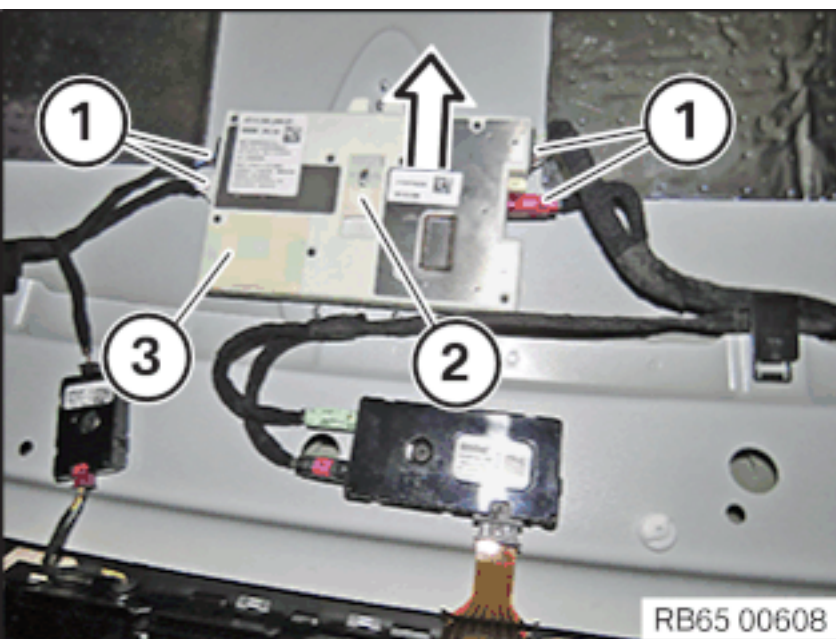
- Unlock and disconnect plug connection (1) in the area of D-pillar (2) on the left.



- Loosen the headlining (1) at the clips (2).
- Guide out the headlining (1) to the bottom at the respective rear edge protection.
- Lower headlining (1) carefully at the rear by approximately 15 cm and support it.

## MAIN WORK

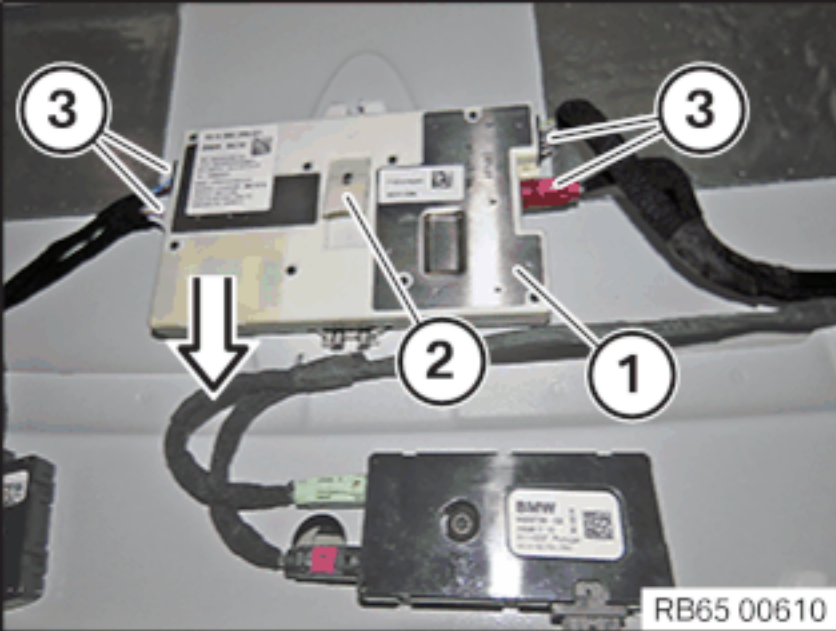
### 2 – Removing the telematics control unit



- Unlock and disconnect connector (1).
- Unlock the lock (2) downward.
- Slide the telematics control unit (3) in the direction of the arrow and remove.

### 3 – Installing the telematics control unit





- Correctly position the telematics control unit (1) and push it in the direction of the arrow until the lock (2) engages.
- Position and connect the connectors (3).

## POSTPROCESSES

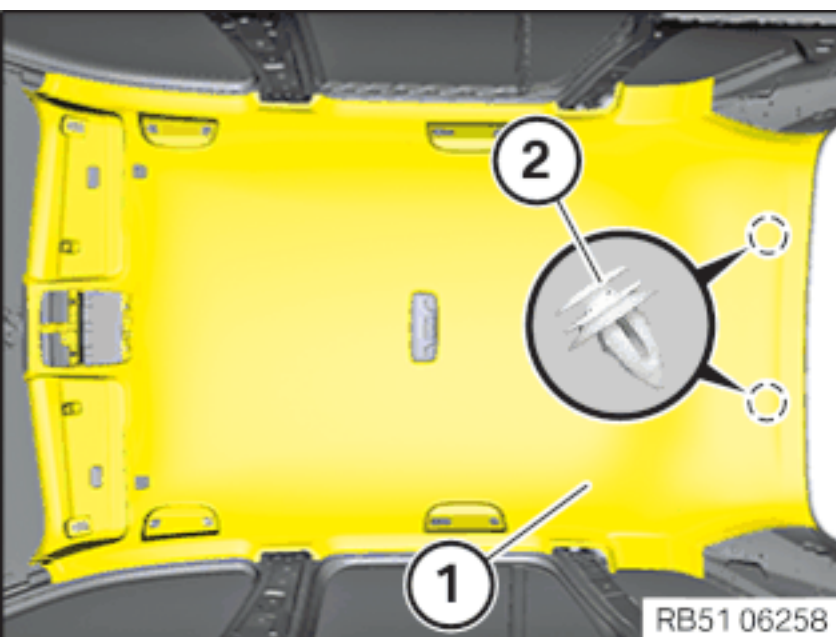
### 4 – Installing rear headlining (lowered)



**Fold the headlining.**

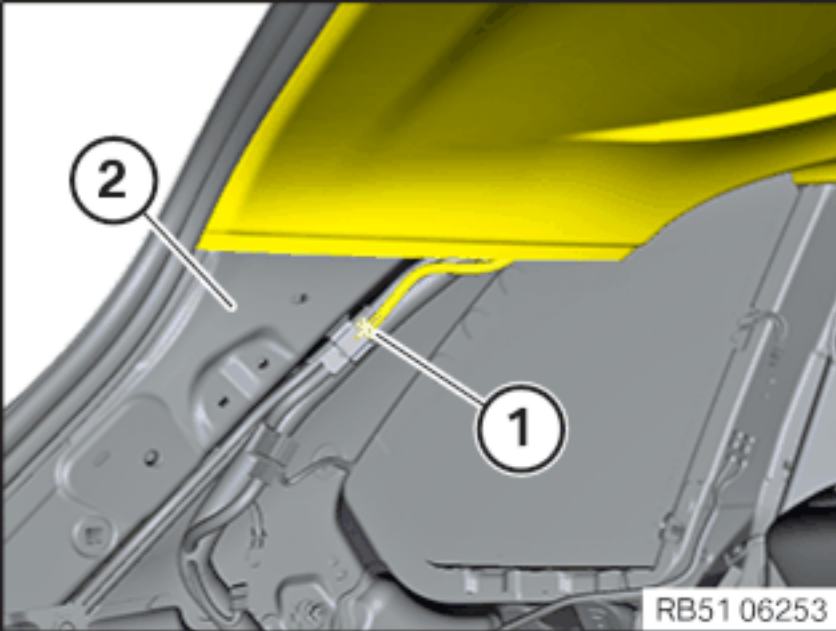
**If the headlining is folded, it may have to be replaced.**

- Carry out tasks with a second person to assist.
- Support the headlining at the front and back.



- Lever out the headlining (1) carefully and clip in to the clips (2).
- Feed in the headlining (1) at the seal for the tailgate.
- Feed in the headlining (1) on the relative rear edge protection.



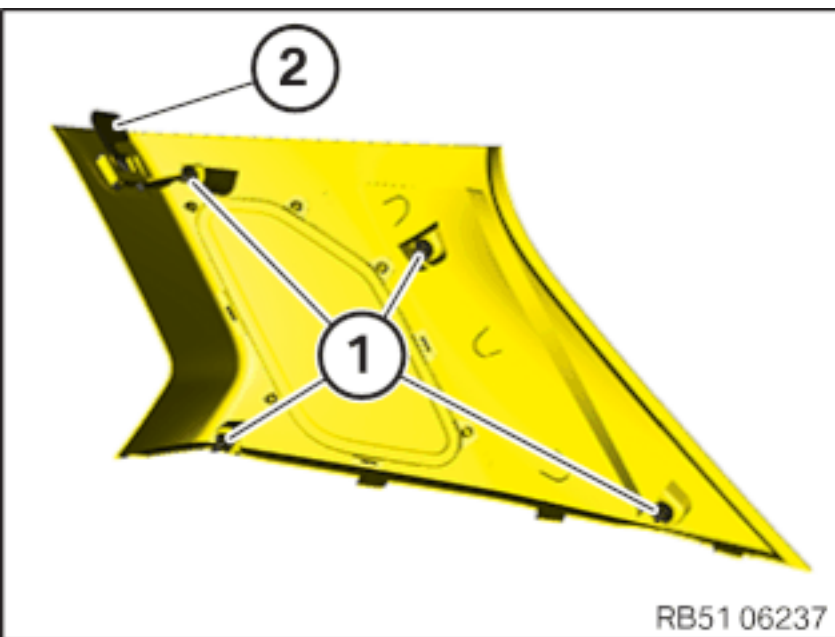


- Connect and lock connectors (1) in the area of left D-pillar (2).

### ► Install D-pillar trim panel at left and right

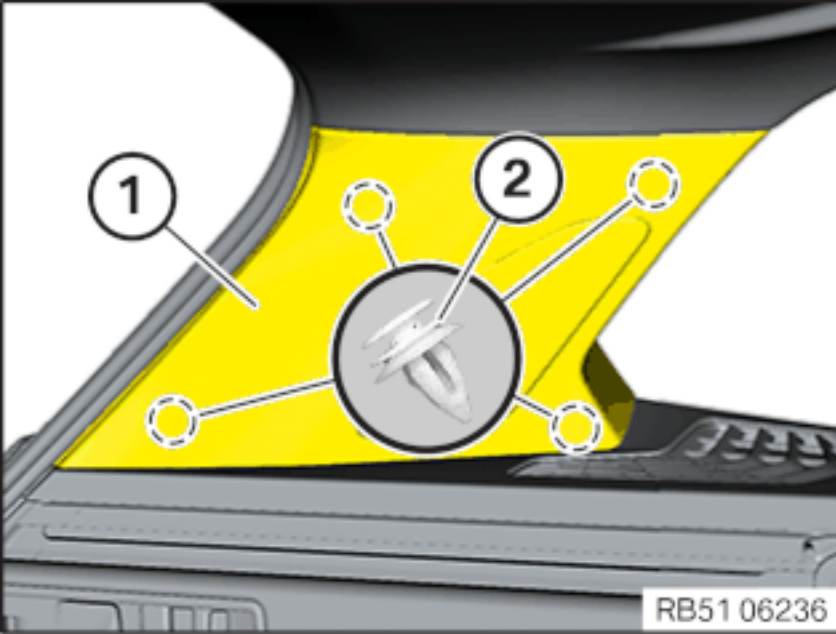


Description is for left component only. Procedure on the right side is identical.



### ► Install the D-pillar trim panel

- Check clips (1) and guide (2).  
Renew damaged clips (1) or guide (2).



- Position D-pillar trim panel (1) correctly and clip it into clips (2).

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► **Install C-pillar trim panel at left and right**

► **Installing C-pillar trim panel**



### **Airbag unit.**

#### **Danger! Life-threatening injuries!**

- Before performing any work on the airbag, always disconnect the battery earth lead from the battery.
- Airbag unit may only be set down with the cushion (airbag itself) facing upwards.
- For additional information see: 72 00 ... Safety regulations on handling airbag system components/gas generators



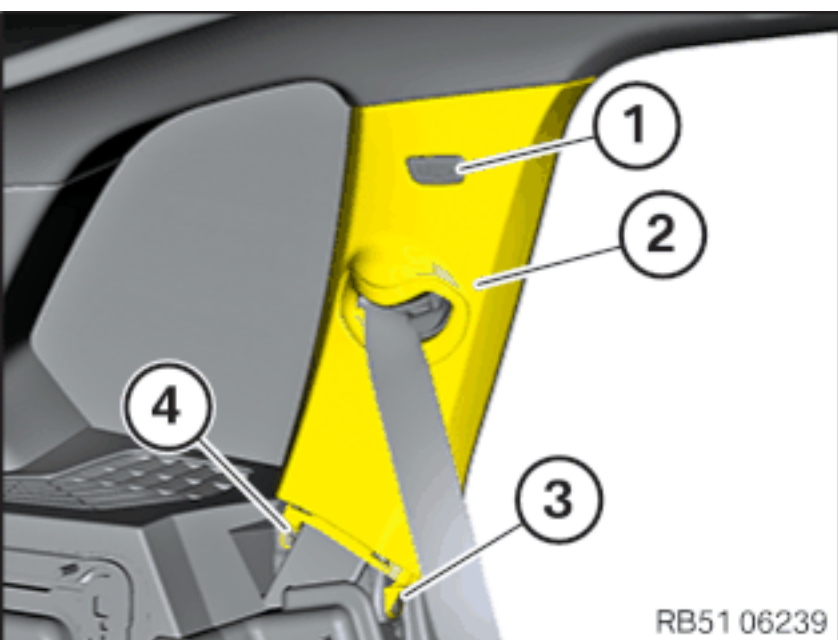
## Pyrotechnic components.

### Danger! Life-threatening injuries!

- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see: 72 00 Safety regulations on handling components with gas generators.



Description is for left component only. Procedure on the right side is identical.



- Guide in and install C-pillar trim panel (2).
- Tighten down screw (4).

#### C-pillar trim panel to body

Bolt 4,8x19		Tightening torque	3,0 Nm
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- Install the expanding rivet (3).
- Tighten screw and mount cover (1).

#### Body pillar trim

Bolt 4,8x38		Tightening torque	3,0 Nm
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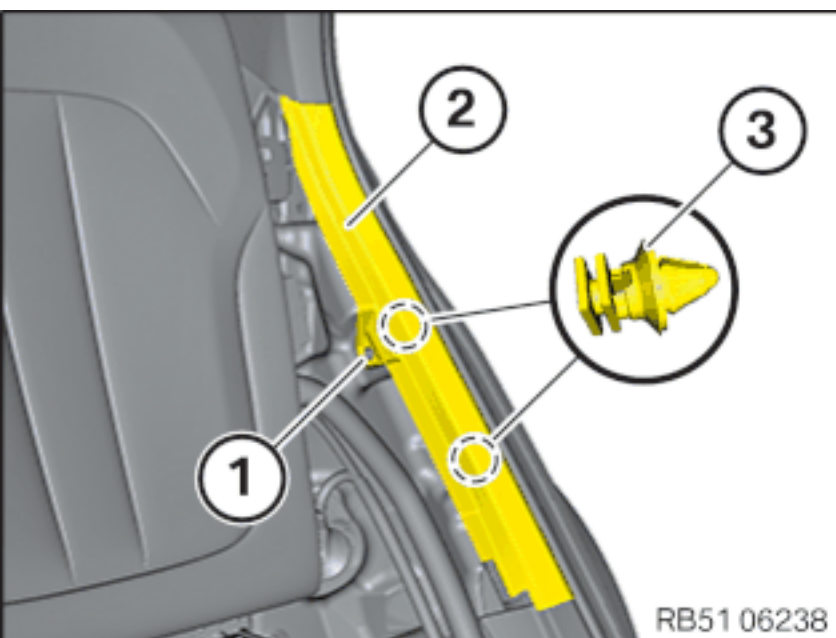
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► Install C-pillar trim panel at bottom left and right

► Install the bottom C-pillar trim panel



Description is for left component only. Procedure on the right side is identical.



- Guide C-pillar trim panel (2) into the door sill cover strip and position it correctly.
- Clip C-pillar trim panel (2) into clips (3).
- Tighten down screw (1).

#### Bottom C-pillar trim panel to body

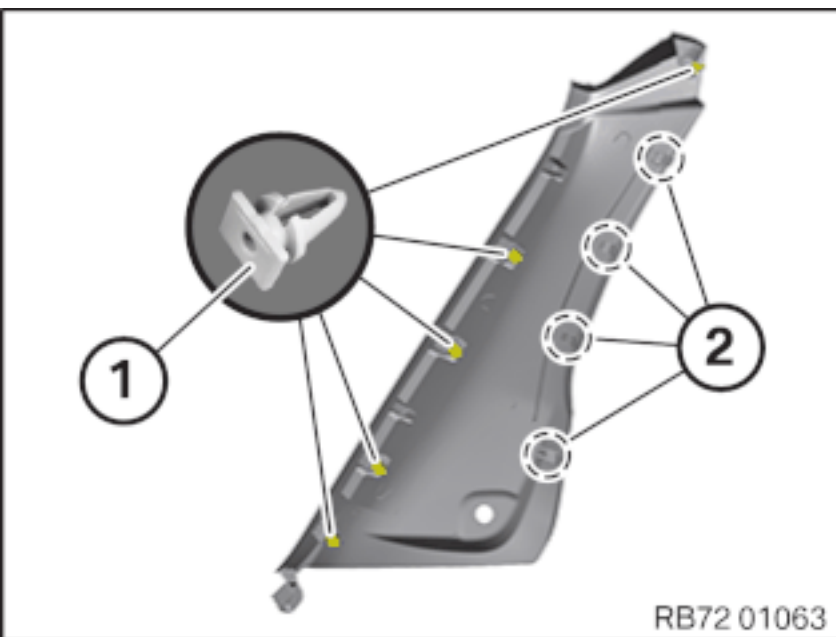
Bolt		Tightening torque	1,4 Nm
4,8x16			

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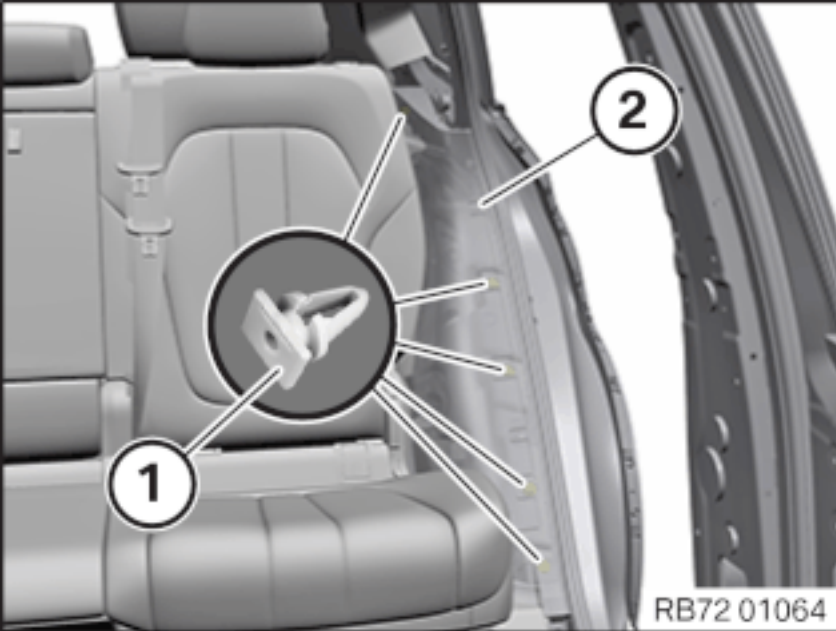
#### ► Installing bottom left and right C-pillar trim panel (3rd row of seats)



Description is for left component only. Procedure on the right side is identical.



- Check the clips (1) for damage and renew where required.
- Check guide pin (2) for damage, renew the C-pillar trim panel if required.



- Position C-pillar trim panel (2) and clip it onto the clips (1).

► **Installing the end fitting at rear right on the body (3rd row of seats)**

### Prerequisite

The 2nd row of seats is adjusted fully to the front.

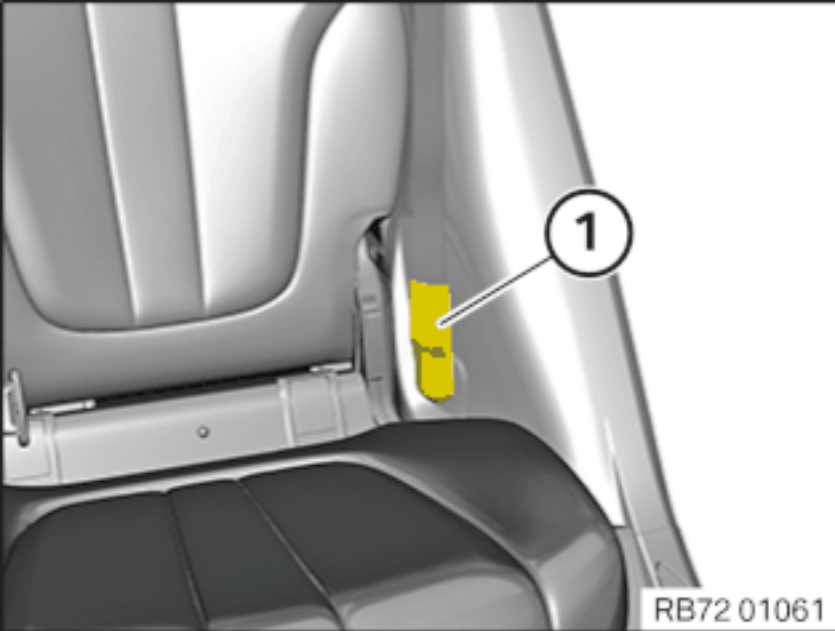


- Tighten down screw (1).

### End fitting on body, bottom

Screw		Tightening torque	42 Nm





- Clip in rubber cover (1).



### ► Installing rear door sill cover strip (with an electrical rear seat)



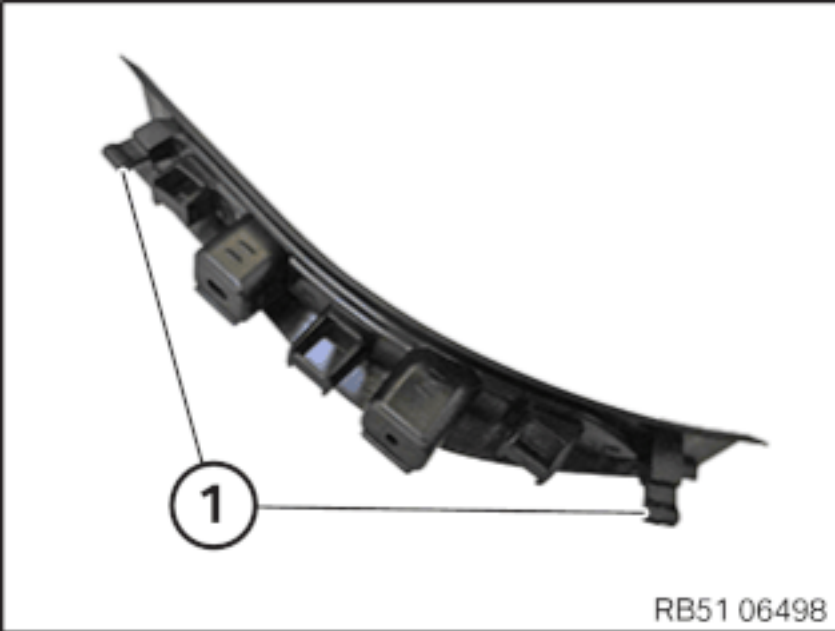
#### **Bending of plastic parts.**

#### **Application of too much force can lead to bending of plastic parts.**

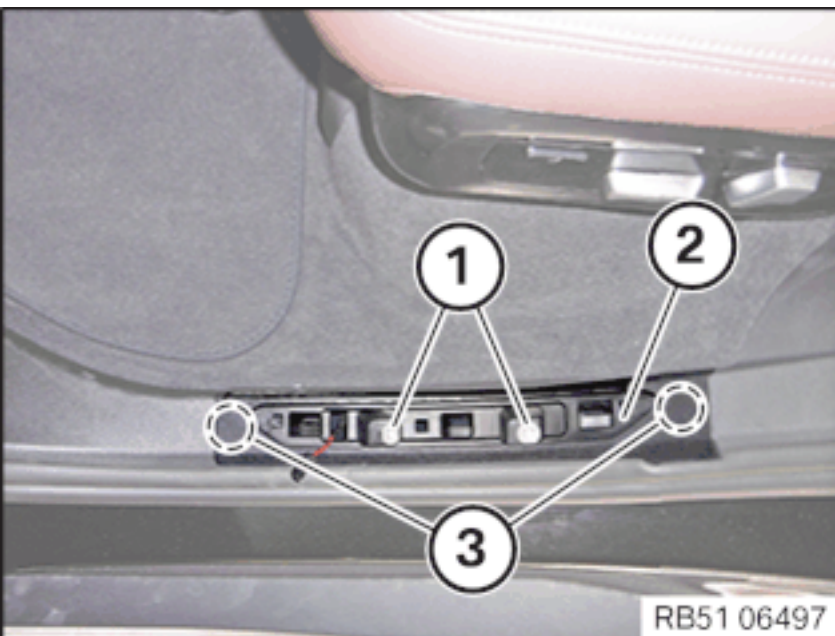
- Place special tool directly beside the mounting clip.
- Continue unclipping the part without using the tool if possible.



Description is for left component only. Procedure on the right side is identical.



- Retaining lugs (1) must not be missing or damaged.



- Position the rear door sill cover strip (2) on the body.
- Engage rear door sill cover strip (2) in latch mechanisms (3).
- Tighten the screws (1).

#### Door sill cover strip to body

Bolt 4,8x16		Tightening torque	1,4 Nm
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#### ► Installing illuminated sill trim on rear door sill



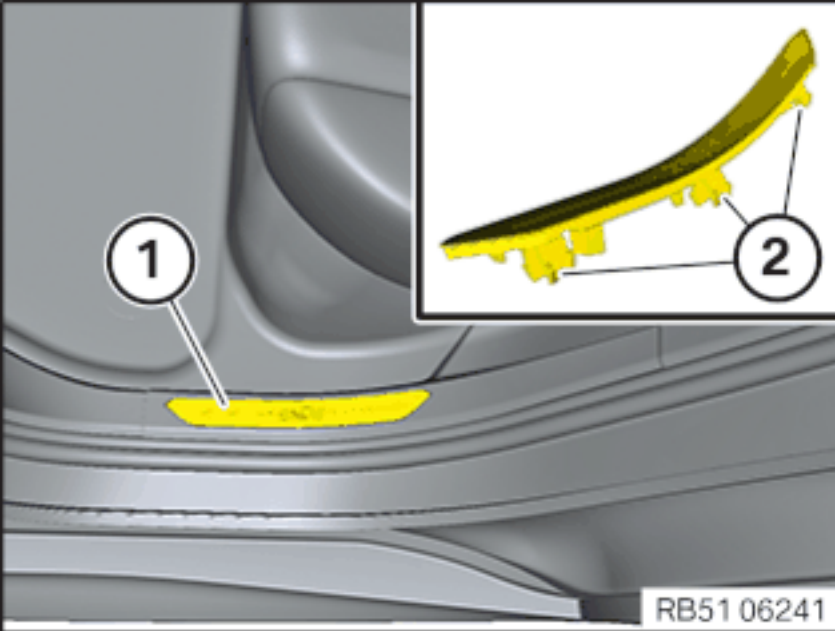
#### Bending of plastic parts.

**Application of too much force can lead to bending of plastic parts.**

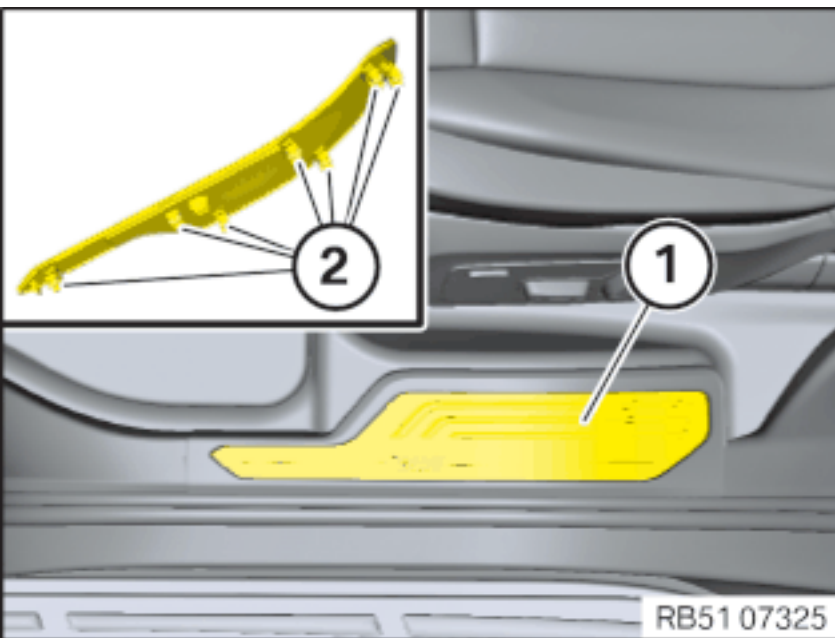
- Place special tool directly beside the mounting clip.
- Continue unclipping the part without using the tool if possible.



Description is for left component only. Procedure on the right side is identical.



- **Version A:**
- Check the latch mechanisms (2).  
If latch mechanisms (2) are damaged, renew the illuminated sill trim (1).
- Install the illuminated sill trim (1) while connecting the connector.
- Position the illuminated sill trim (1) and lock it into latch mechanisms (2).



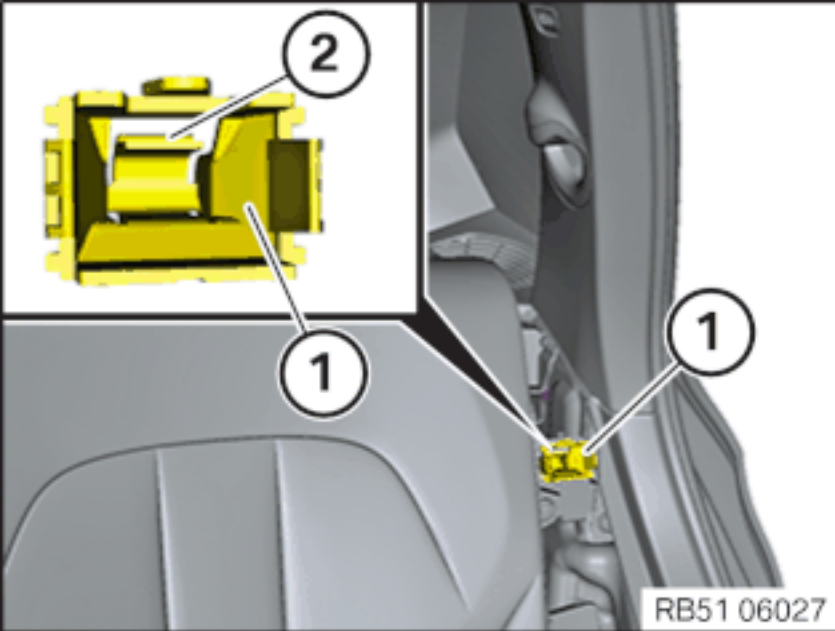
- **Version B:**
- Check the latch mechanisms (2).  
If latch mechanisms (2) are damaged, renew the illuminated sill trim (1).
- Install the illuminated sill trim (1) while connecting the connector.
- Position the illuminated sill trim (1) and lock it into latch mechanisms (2).

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► **Install the backrest side section on the left and right**

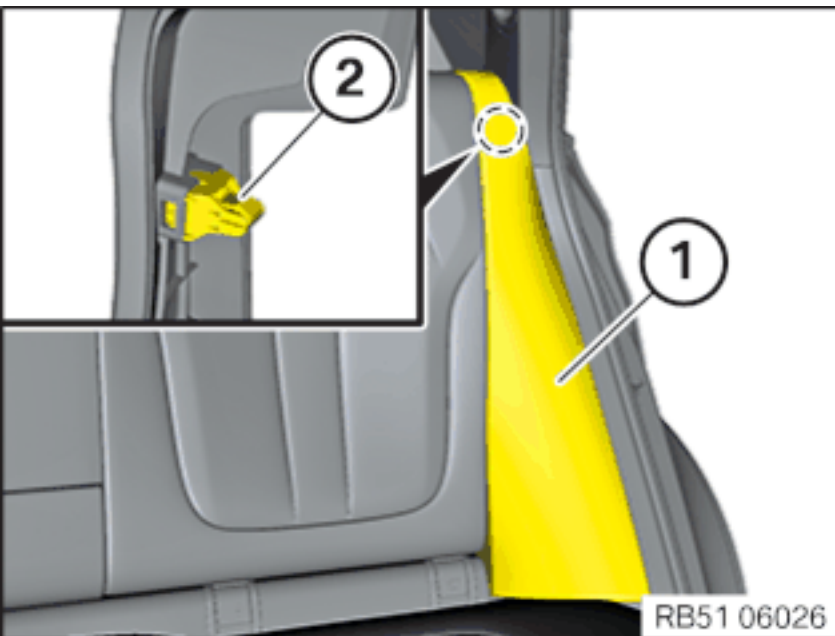


Description is for left component only. Procedure on the right side is identical.



- Release mounting element (1) from latch mechanism (2) and remove it from the body.
- Check mounting element (1) for damage, renew if necessary.  
The mounting element must not be damaged or missing.
- Fit mounting element (1) on the backrest side section.

#### ► Installing the backrest side section without side airbag



- Insert lower backrest side section (1) into the guide and position it correctly.
- Clip in backrest side section (1) to mounting element (2).

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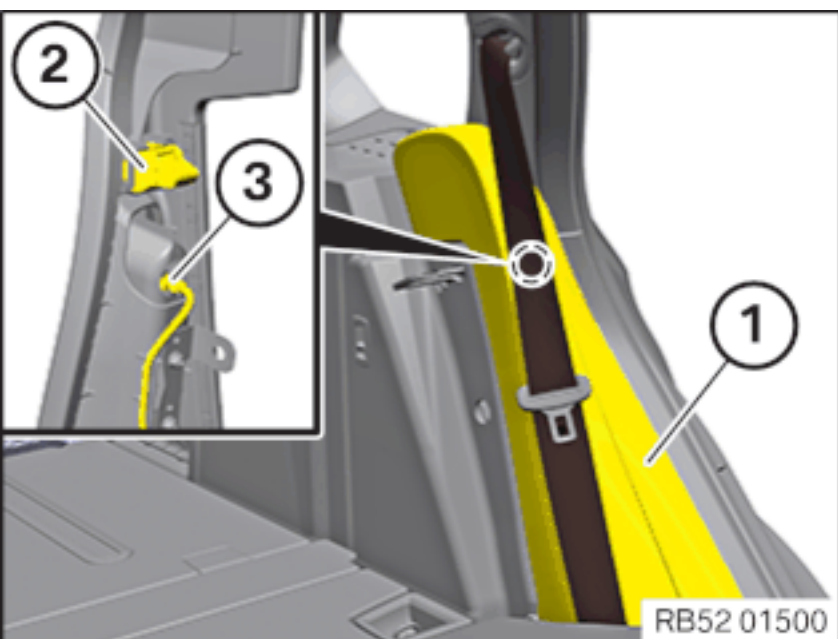
#### ► Installing backrest side section with side airbag



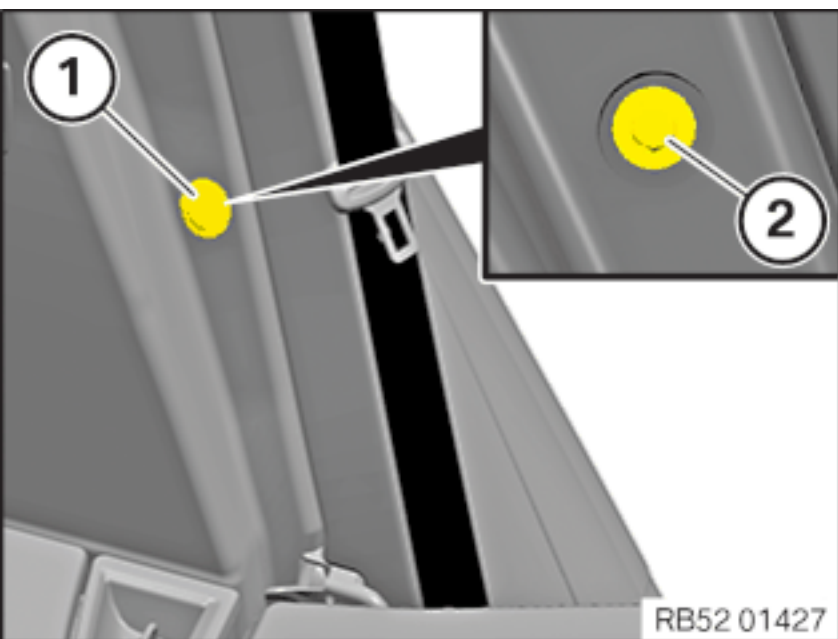
## Airbag unit.

### Danger! Life-threatening injuries!

- Before performing any work on the airbag, always disconnect the battery earth lead from the battery.
- Airbag unit may only be set down with the cushion (airbag itself) facing upwards.
- For additional information see: 72 00 ... Safety regulations on handling airbag system components/gas generators



- Connect connector (3).  
The connector must engage audibly.
- Feed backrest side section (1) into the lower guide and position it correctly.
- Clip in backrest side section (1) to mounting element (2).



- Renew the screw (2).  
**Parts:** Screw
- Tighten down screw (2).

### Backrest side section on backrest lock adapter plate

Screw	Renew screw.	Tightening torque	8 Nm
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- Clip in the trim (1).



► **Disconnecting all battery earth leads**

- See additional information.



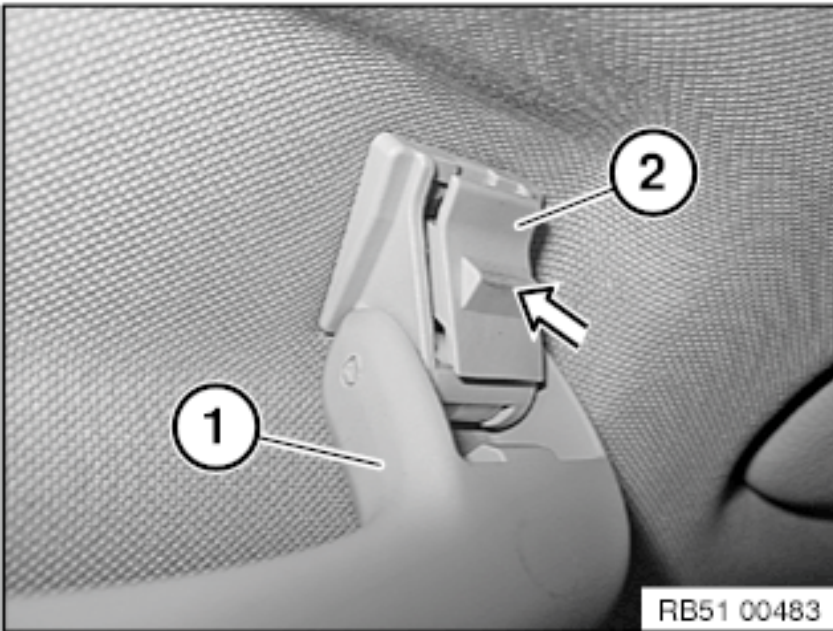
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► **Installing rear grab handles**



The description is for one component only. The procedure is identical for all further components.

► **Installing the grab handle**



- Insert the grab handle (1) into body.
- Correctly clamp in the grab handle (1), as otherwise the locking inserts (2) on the grab handle (1) cannot correctly engage.
- Engage the locking inserts (2) on both sides of the grab handle (1).

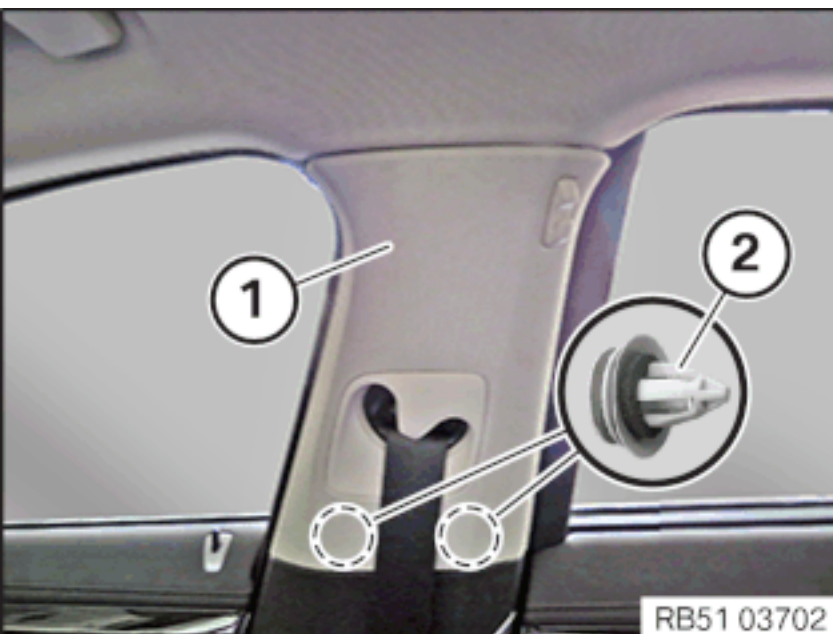
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## ► Installing the top left and right B-pillar trim panels

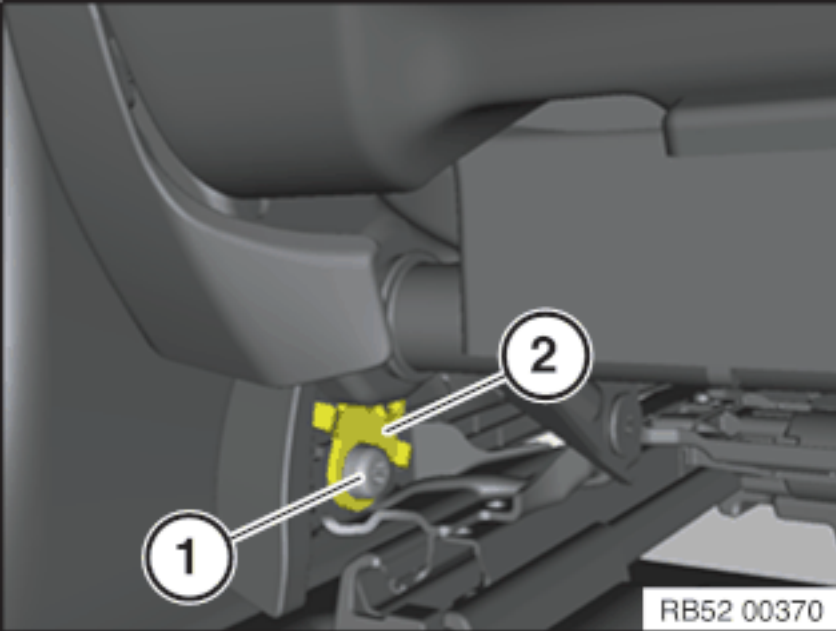
### ► Install upper B-pillar trim panel



Description is for left component only. Procedure on the right side is identical.



- Install the B-pillar trim panel (1) and guide in the seat belt.
- Guide in the top B-pillar trim panel (1) on the headliner and clip it in with the clips (2).
- Check the B-pillar trim panel (1) for correct fit at the front and rear edge protection.



- Fully position the front seat to the front and top.
  - Insert the end fitting (2).
  - Renew the screw (1).
- Parts:** Screw
- Tighten down screw (1).

#### End fitting to seat mechanism

M10	Renew screw.	Tightening torque	42 Nm
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## Additional Information

### Overview of Tightening Torques

#### C-pillar trim panel to body Used in step [4](#)

Bolt 4,8x19		Tightening torque	3,0 Nm
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#### Body pillar trim Used in step [4](#)

Bolt 4,8x38		Tightening torque	3,0 Nm
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#### Bottom C-pillar trim panel to body Used in step [4](#)

Bolt 4,8x16		Tightening torque	1,4 Nm
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#### End fitting on body, bottom Used in step [4](#)

Screw		Tightening torque	42 Nm
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#### Door sill cover strip to body Used in step [4](#)

Bolt 4,8x16		Tightening torque	1,4 Nm
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Backrest side section on backrest lock adapter plate			Used in step <a href="#">4</a>
Screw	Renew screw.	Tightening torque	8 Nm

End fitting to seat mechanism			Used in step <a href="#">4</a>
M10	Renew screw.	Tightening torque	42 Nm

## Overview of Special Tools

### 0 496 569 (00 9 325) Wedge



Common		Used in step <a href="#">1</a>
Usage	(Panel wedge) From 11/2008 this special tool replaces panel wedge 00 9 317 (different material)	
Included in the tool or work	0 490 527	
Storage location	Individual	
Replaced by		
In connection with		
SI-Number	41 01 09 (507)	

## Links

Functional descriptions	Used in step
<a href="#">Terminal control, Parking-Residing-Driving_</a>	

General repair instructions	Used in step
<a href="#">72 00 ... Safety regulations for handling components with gas generators</a>	
	<a href="#">1</a> <a href="#">4</a>

Repair instructions	Used in step
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<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting the battery earth lead (all battery earth leads)</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting the battery earth lead (all battery earth leads)</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting the battery earth lead (all battery earth leads)</a>	1	4
<a href="#">61 20 900 Disconnect and connect battery earth lead (Plug-in Hybrid Electric Vehicle)</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
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<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting the battery earth lead (all battery earth leads)</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4
<a href="#">61 20 900 Disconnecting and connecting battery earth lead</a>	1	4



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