

BMW Group - AIR: 2021-07-08 / 13:23  
Retailer: 31044/01  
Model: X5 xDrive40i  
Vehicle identification number: 5UXCR6C50KLL35322  
Development code: G05  
Model code: CR63  
Lead type: CR63

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## Replacing instrument panel trim »

### Prerequisite

- Steering wheel is adjusted completely towards the rear at the bottom.

### Preliminary works

#### Adjust the steering column position



- Adjust the length of the steering column to the maximum length in the direction of arrow (1).
- Move the steering column to the lowest steering column position in the direction of arrow (2).

#### Disconnecting all battery earth leads

Additional information is available.

- See additional information.



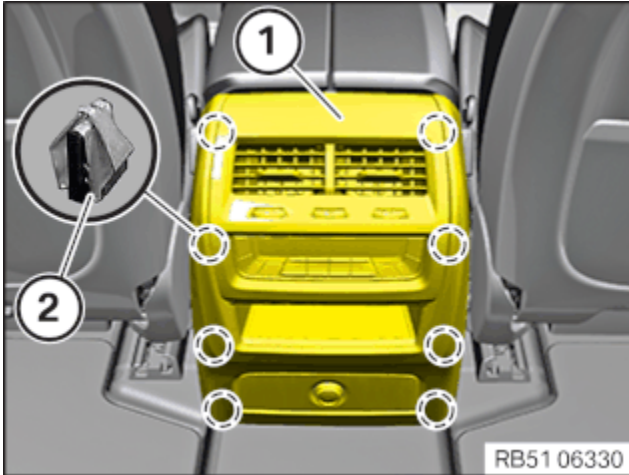
## Removing the rear centre console trim

### RISK OF DAMAGE

#### Scratches.

Tools and sharp-edged components can cause scratches.

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



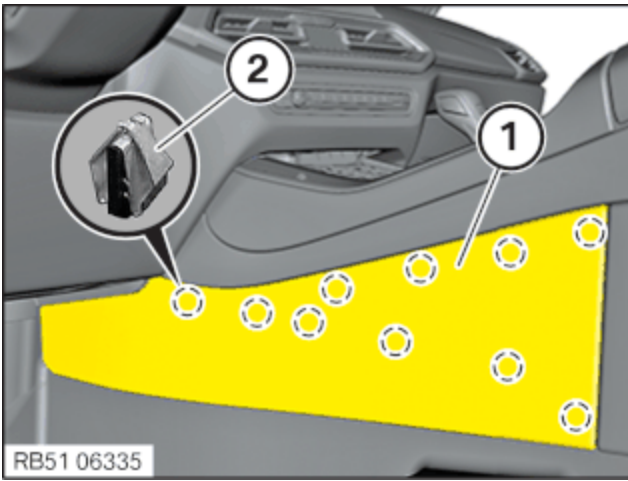
- Unclip the rear centre console trim (1) from the clamps (2) and pull out a little.
- Unlock associated plug connections and disconnect.
- Remove the rear centre console trim (1).

## Removing carpet on the left and right sides of the centre console

### NOTICE

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

► Removing the carpet from the centre console at the side

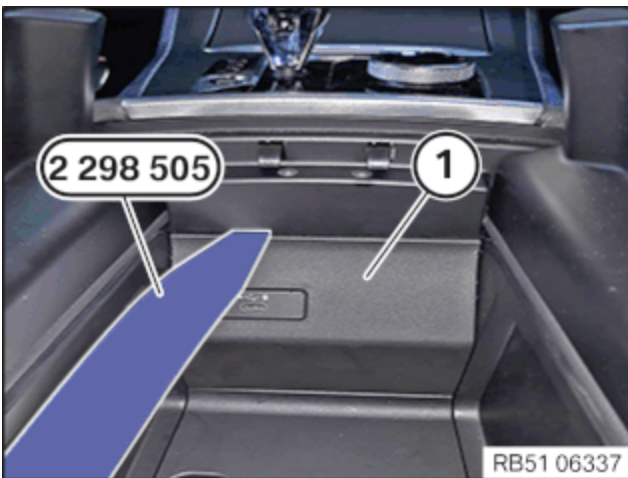


- Unclip carpet at the side of the centre console (1) starting from the front at the clamps (2) and remove.

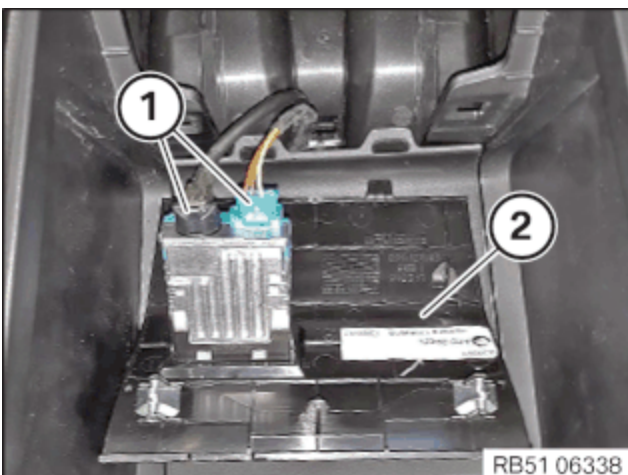


### Partially removing the storage compartment of the centre armrest

#### ► Removing the trim in the storage compartment on the centre armrest

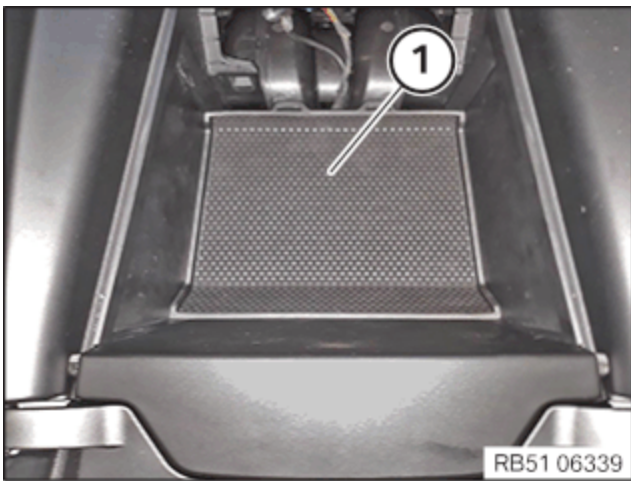


- Lever out trim (1) as shown backwards out of the clamps using special tool 2 298 505 .
- Feed trim (1) upwards out of the guides.

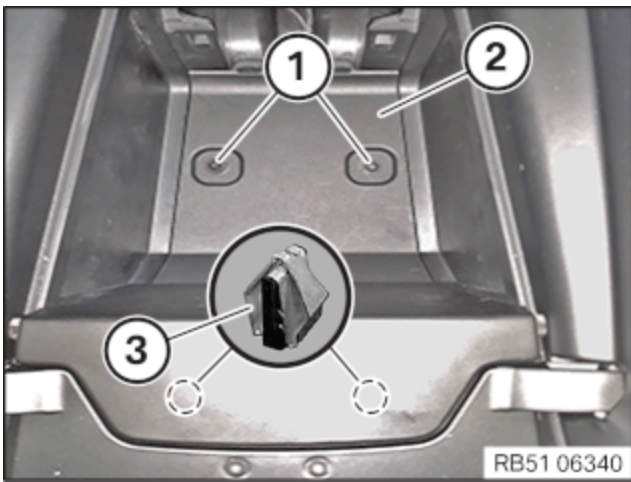


- Unlock and disconnect plug connections (1).
- Remove trim (2) to the top.

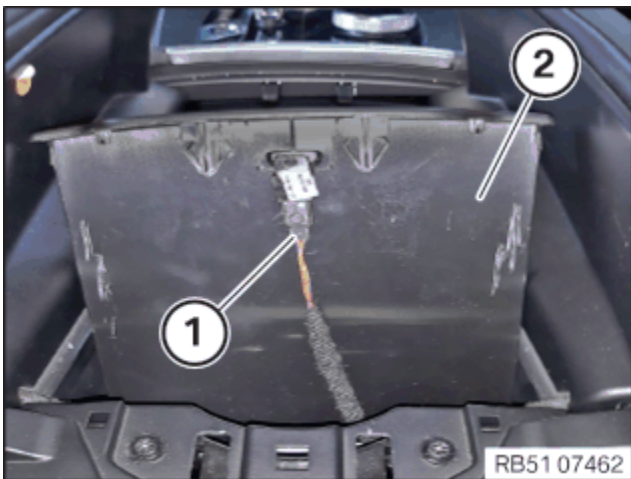




- Remove the insert (1) in an upward direction.



- Loosen screws (1).
- Unclip the storage compartment floor (2) from the clamps (3) in an upward direction and raise it slightly at the rear.



- Where applicable, disconnect the plug connection (1) and remove the storage compartment trim floor (2).

## Removing the centre console

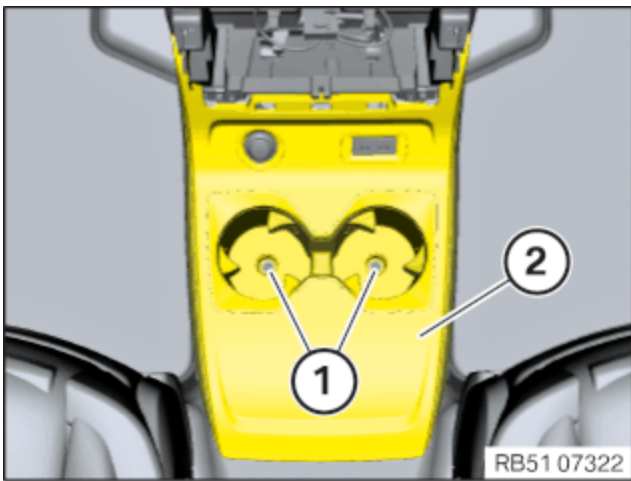


### RISK OF DAMAGE

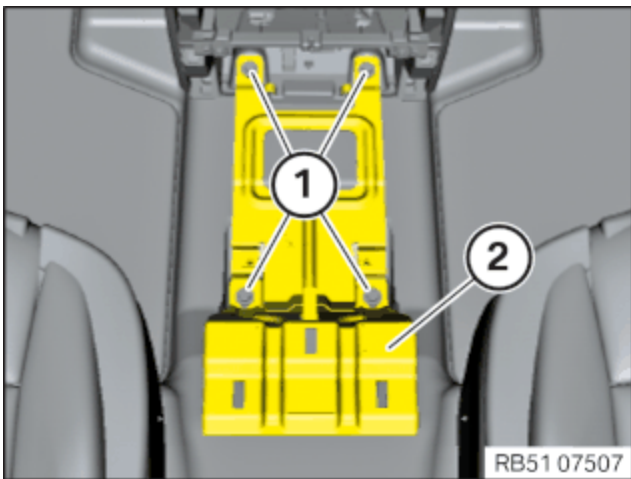
#### Scratches.

Tools and sharp-edged components can cause scratches.

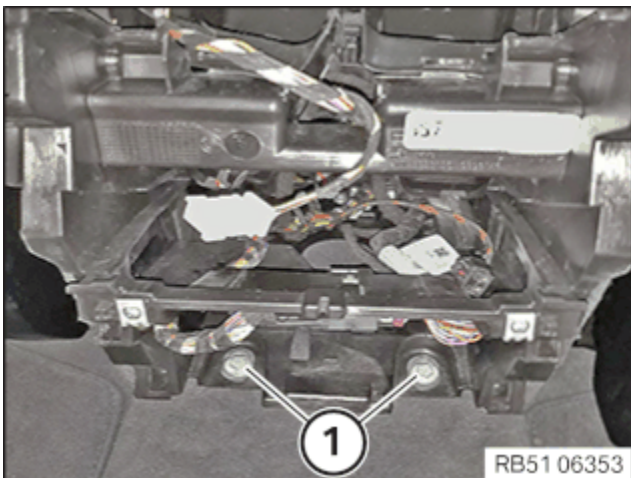
- Protect working area.
- Handle tools and components carefully.



- Carry out only for G07:
- Remove inserts out of cup holder (2).
- Loosen screws (1).
- Pull cup holder (2) backwards and release from the clamps at the front.
- Disconnect the plug connections and remove the cup holder (2).

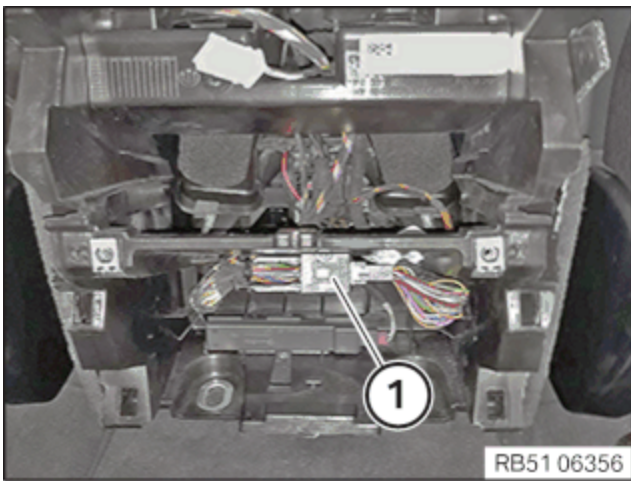


- Carry out only for G07:
- Loosen screws (1).
- Guide out and remove mounting for cup holder (2).

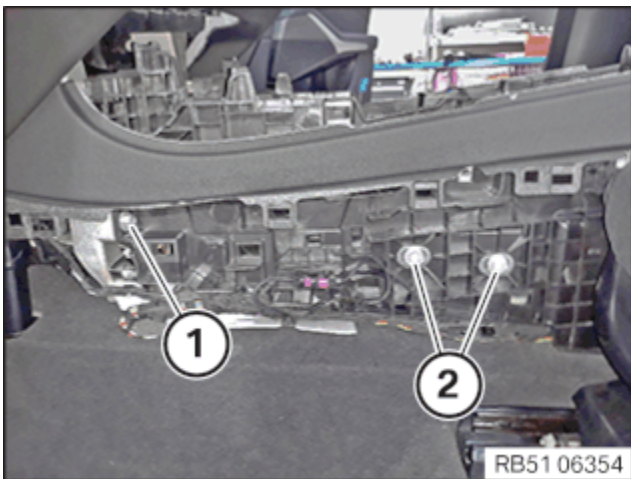
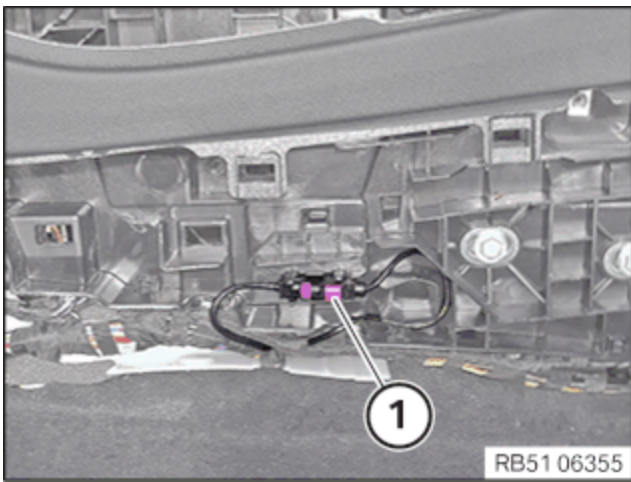


- Only carry out for G05/G06:
- Loosen screws (1).

- Unlock plug connection (1) and disconnect.



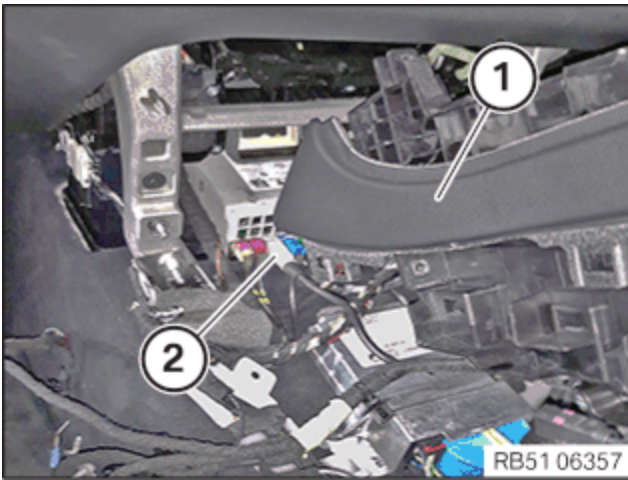
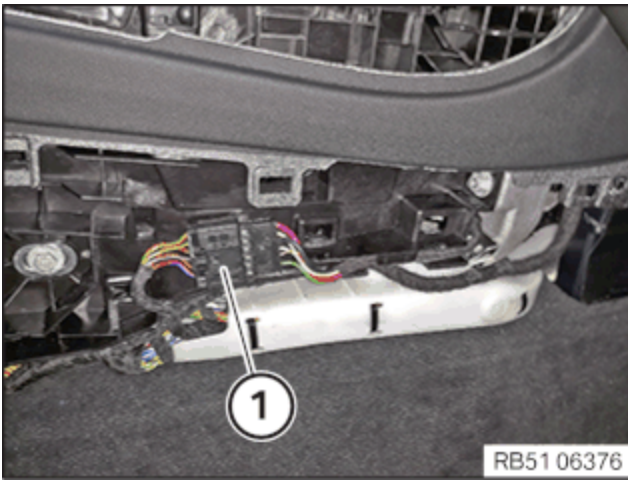
- Remove plug connection (1) from the holder.
- Unlock plug connection (1) and disconnect.



## NOTICE

Perform the operations on the left and right side.

- Loosen nut (1).
  - Loosen screws (2).
- 
- Unlock plug connection (1) on the right side of the centre console and disconnect.



### **i** TECHNICAL INFORMATION

Conduct the following operation with the assistance of a second person.

- Lift centre console (1) at rear and carefully feed out a little to the rear.  
While doing so, feed out the rest of the cable out of the centre console.
- Unlock and disconnect plug connection (2) of the Head Unit High (HU-H).
- Remove the centre console (1).

## Remove the A-pillar trim panel at left and right

### **NOTICE**

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

### ► Remove the A-pillar trim panel

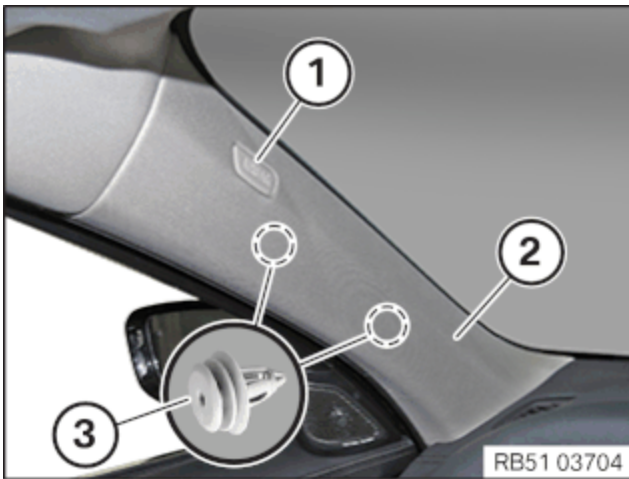
Additional information is available.

**⚠ WARNING**

Pyrotechnic components.

**Danger! Life-threatening injuries!**

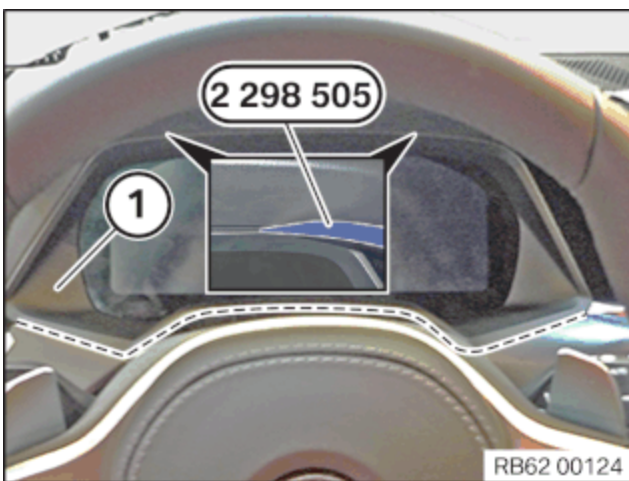
- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see: 72 00 Safety regulations on handling components with gas generators.



- Unclip cover (1) and unscrew the screw below it.
- Detach A-pillar trim panel (2) from the clips (3) and remove upward.



**Remove the KOMBI trim**

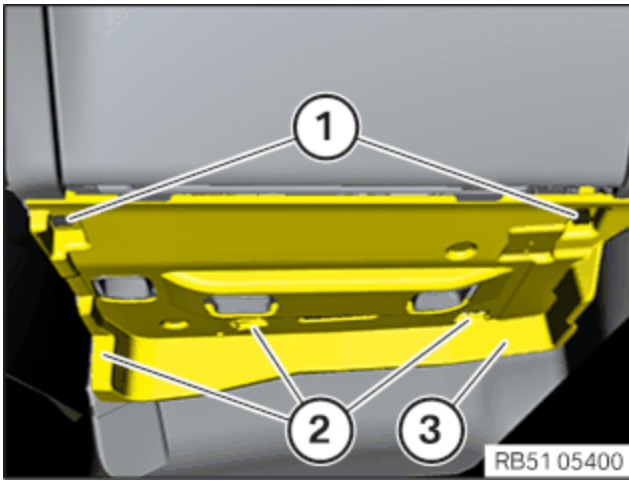


- Unclip cover (1) at the bottom along the marked area.
- Lever out the cover (1) at the top with the special tool 2 298 505 .

**Remove the right footwell trim**

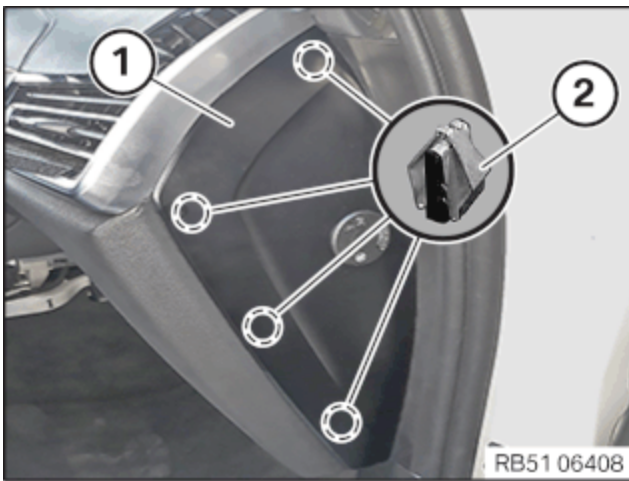
- Turn the locks (1) by 90°.





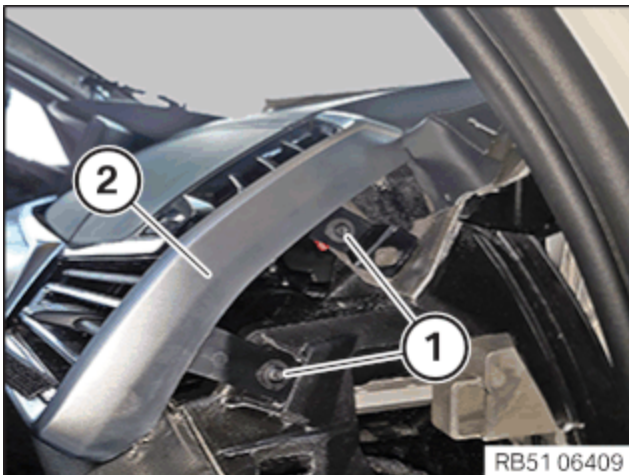
- Detach the footwell trim on the right (3) from the guides (2) toward the inside.
- Unlock associated plug connection and disconnect.
- Remove the footwell trim on the right (3).

### Remove the side panel on the right instrument panel



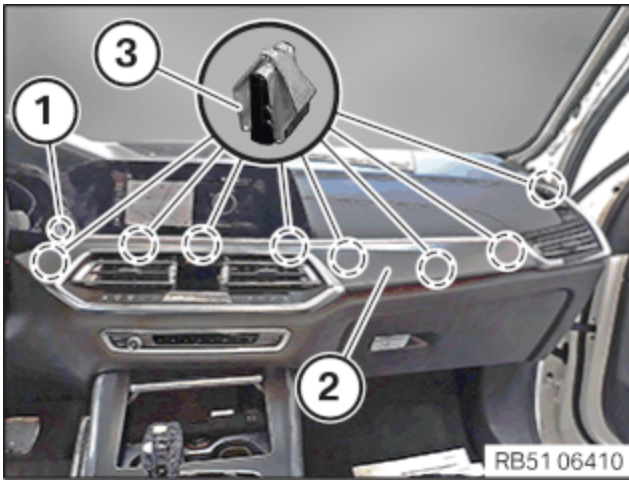
- Unclip side panel (1) towards the outside from the clamps (2) and pull out slightly.
- If necessary, unlock and disconnect the plug connection on the switch for the front passenger airbag deactivation.
- Remove side panel (1).

### Remove the finisher on the right instrument panel



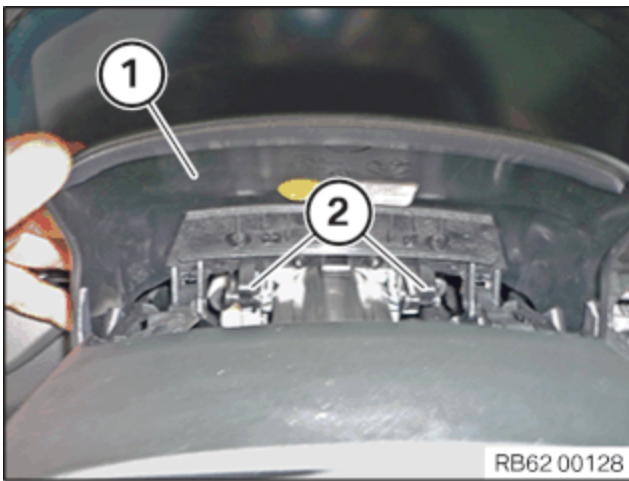
- Release screws (1) to the side of the decorative strip (2).

- Loosen screw (1).
- Unclip decorative strip (2) carefully with special tool **0 496 569 (00 9 325)** from clamps (3).
- Lift up the decorative strip (2) and disconnect the plug connections behind it.

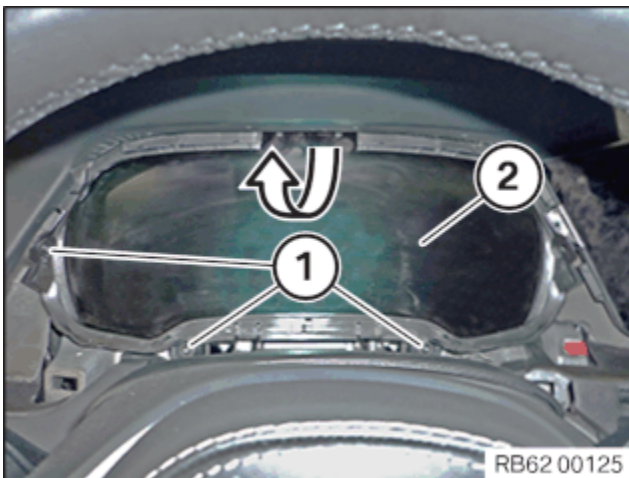


- Remove the decorative strip (2).

### Removing the instrument cluster (KOMBI)



- Lift steering column shroud upper section (1) slightly and disengage it from guide (2).



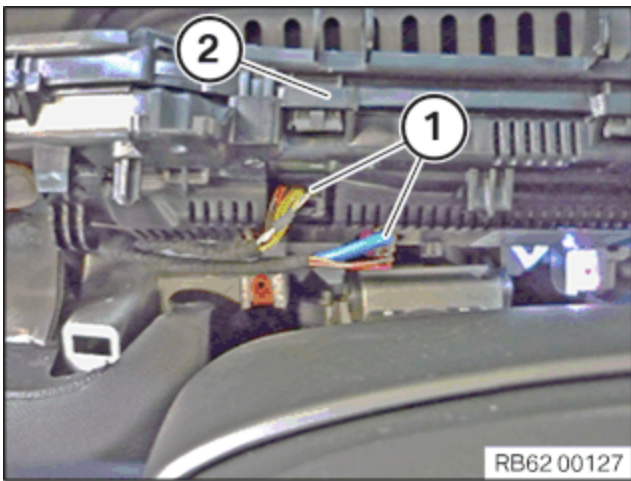
- Loosen screws (1).
- Thread out instrument cluster (KOMBI) (2) in direction of arrow.



#### RISK OF DAMAGE

Damage to the instrument cluster (KOMBI) or the head unit

While releasing and connecting the cable, it could lead to a ground offset. This can generate currents that render the

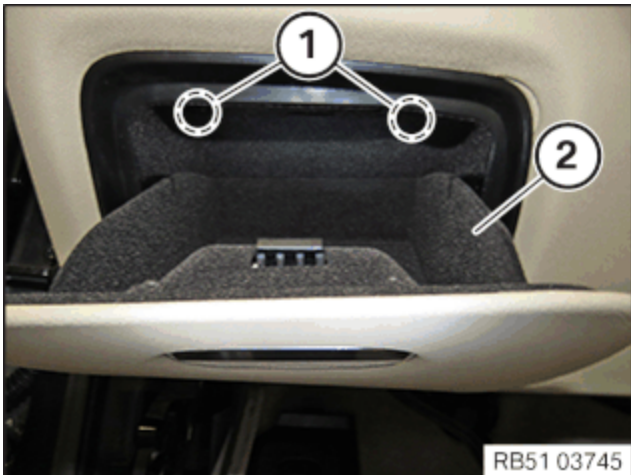


instrument cluster (KOMBI) or the head unit unusable.

- While releasing: Release APIX data cable (blue) first.
- While connecting: Connect APIX data cable (blue) at the last.

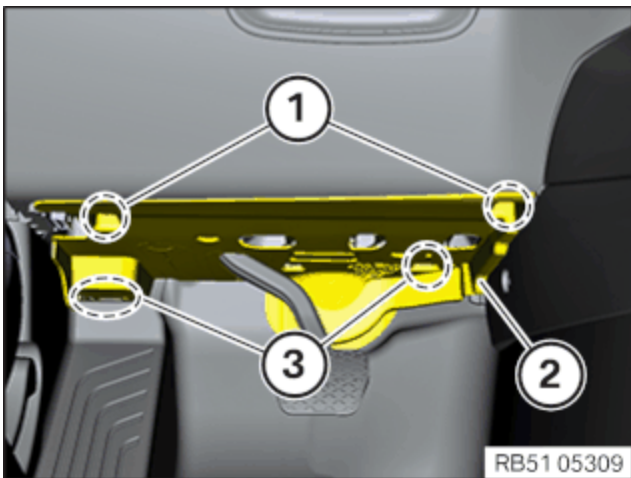
- **If installed:** Release the blue plug connection.
- Unlock and disconnect plug connections (1) from instrument cluster (KOMBI) (2).

### Removing the left fold-down compartment



- Loosen screws (1).
- Remove the fold-down compartment (2) toward the bottom.

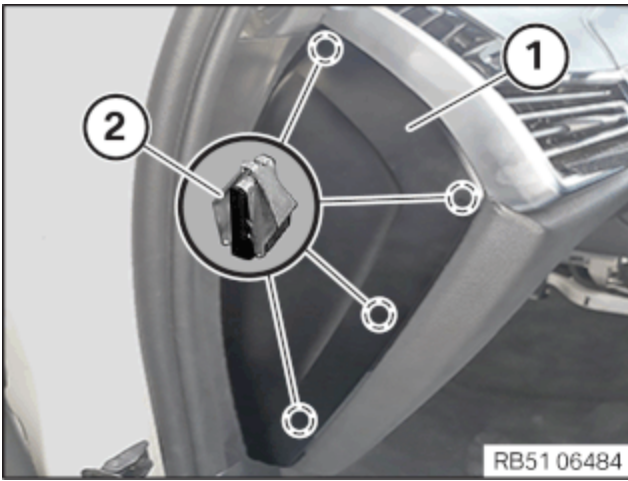
### Removing the trim panel for pedal mechanism



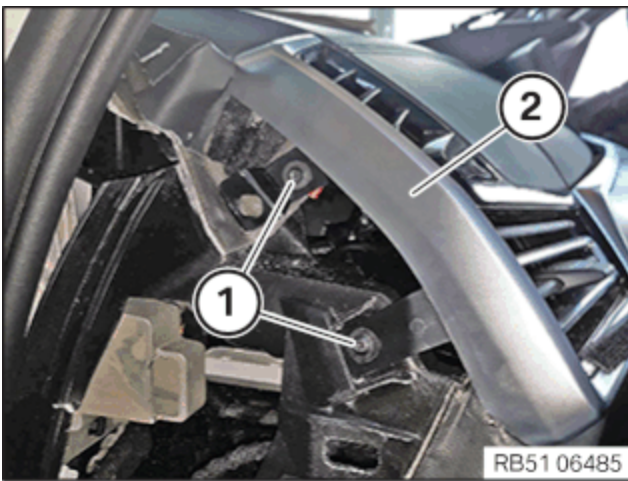
- Twist the locks (1) by 90° and detach.
- Detach the trim panel for the pedal mechanism (2) inwards out of the guides (3).
- Unlock associated plug connection and disconnect.
- Remove trim panel for pedal mechanism (2).

### Remove the side panel on the left instrument panel

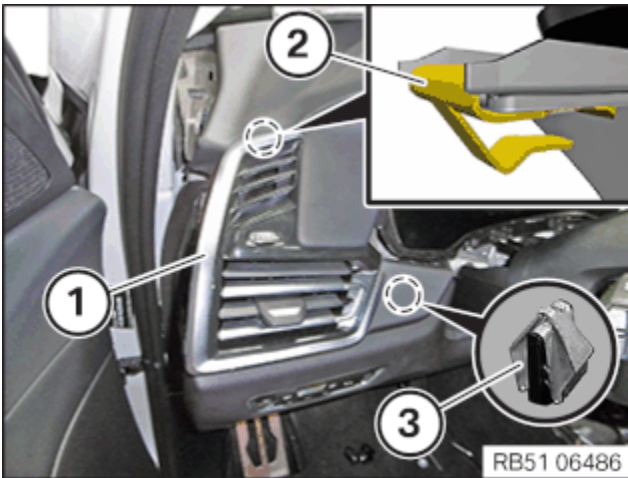
- Unclip and remove the side panel (1) towards the outside from the clamps (2).



### Remove the finisher on the instrument panel on the left



- Release screws (1) to the side of the decorative strip (2).



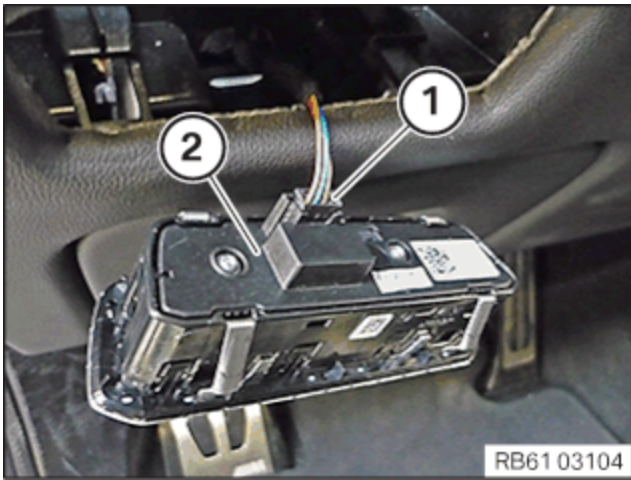
- Unclip decorative strip (1) carefully using the special tool **0 496 569 (00 9 325)** from the clamps (2) and (3).
- Lift up the decorative strip (1) and disconnect the plug connections behind it.
- Remove the decorative strip (1).

### Removing the light operating unit

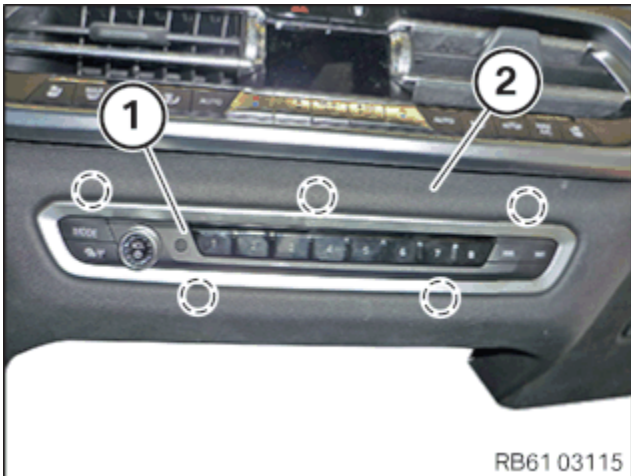
- Unclip the light operating unit (1) at the marked positions with the special tool **0 496 571 (00 9 327)**.



- Unlock the plug connection (1) on the light operating unit (2) and disconnect it.

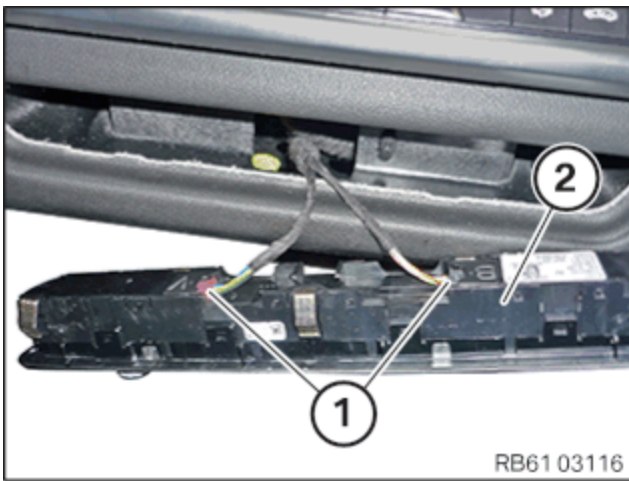


### Remove the audio operating unit



- Unclip the audio operating unit (1) from the instrument panel (2) at the points marked using special tool **0 496 571 (00 9 327)**.

- Disconnect plug connections (1) and remove the audio operating unit (2).



## Remove Central Information Display (CID)

Additional information is available.



### RISK OF DAMAGE



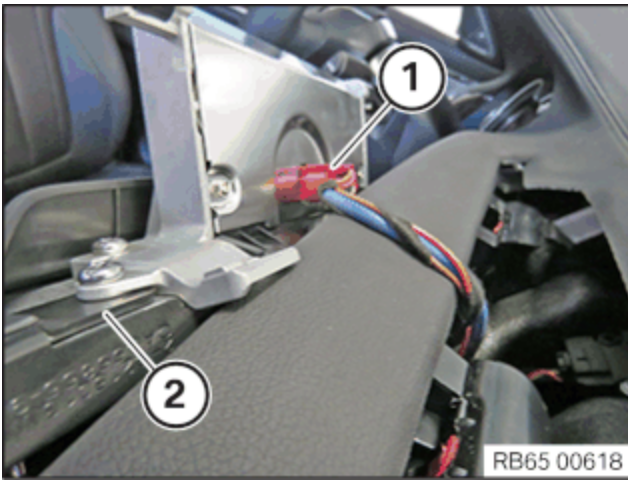
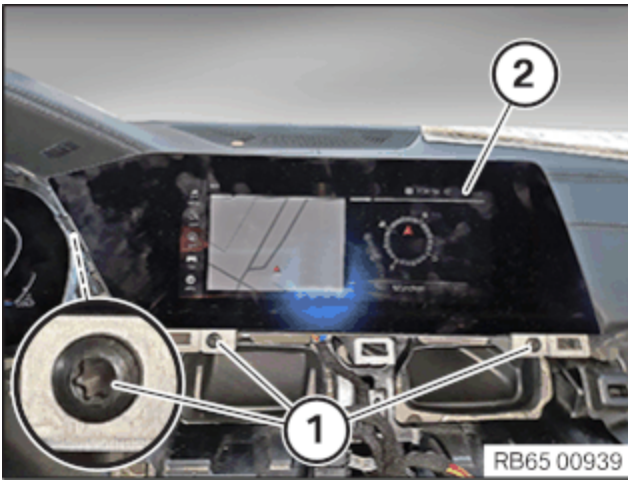
#### Electrostatic discharge.

Damage to or destruction of electrical components.

- Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
- Read and comply with user information on using the associated special tool 12 7 060.
- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
- For additional information see: 61 35 ... Notes for ESD protection (electrostatic discharge)

61 35 ... Notes on ESD protection (Electro Static Discharge)

- Loosen screws (1).
- Pull out central information display (CID) (2) slightly off the instrument panel.



- Unlock plug connection (1) and disconnect.
- Remove the central information display (CID) (2).

## Removing the airbag unit (sports steering wheel)

### WARNING

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

### RISK OF DAMAGE

Damage to the steering wheel.

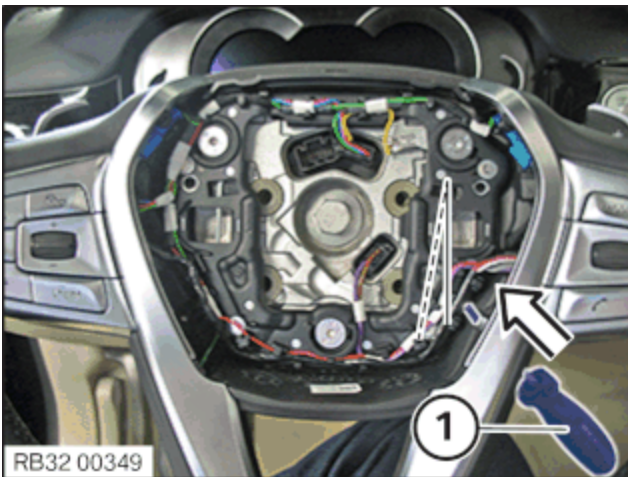
Incorrect handling of the tool may damage the steering wheel.

- Ensure the tool is positioned correctly (angle and inclination).

- When unlocking, do not use "levering" action. Instead, press in the Torx screwdriver toward the centre of steering wheel only.



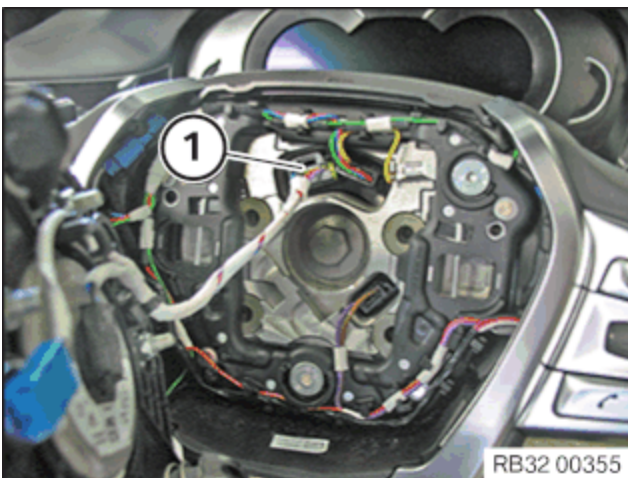
- Insert the Torx screwdriver T25 (1) diagonally upwards in the hidden opening on the rear side of the steering wheel until a springing kind of resistance can be felt.



## NOTICE

To provide a better overview: Diagram with airbag unit removed.

- Push in Torx screwdriver T25 (1) diagonally upwards in direction of arrow and press the wire spring clip towards middle of the steering wheel to unlock the airbag unit.
- Repeat procedure on the left side and carefully lift the airbag unit.
- Unlock and disconnect the plug connection (1) and remove the airbag unit.



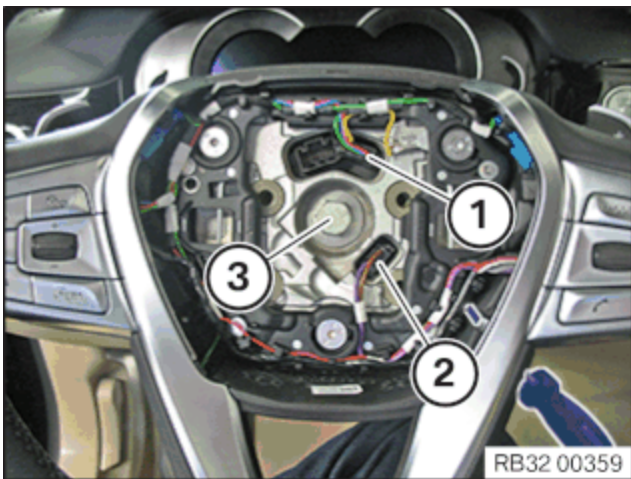
## Removing the steering wheel (sports steering wheel)



## TECHNICAL INFORMATION

When releasing the screw, have an auxiliary person brace the steering wheel in order to





reduce torque on the steering column!

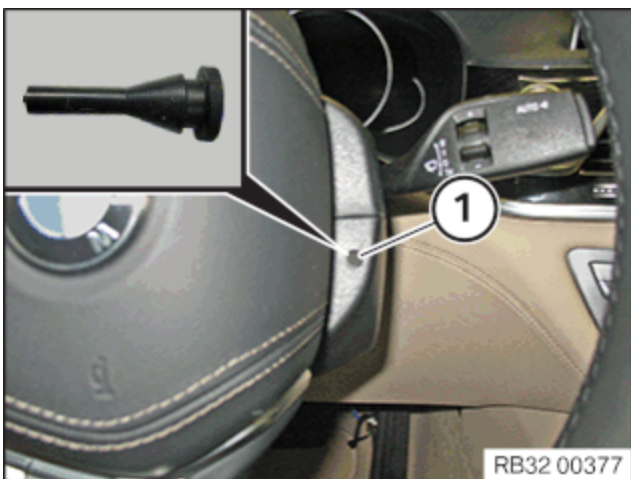
- Move the steering wheel and wheels to the straight-ahead position.
- Unlock plug connection (1) and disconnect.
- If installed: Unlock plug connection (2) and disconnect.
- Release the screw (3) and pull off and remove the steering wheel.

## Removing steering column shroud upper section



### NOTICE

Perform the operations on the left and right side.



### **i** TECHNICAL INFORMATION

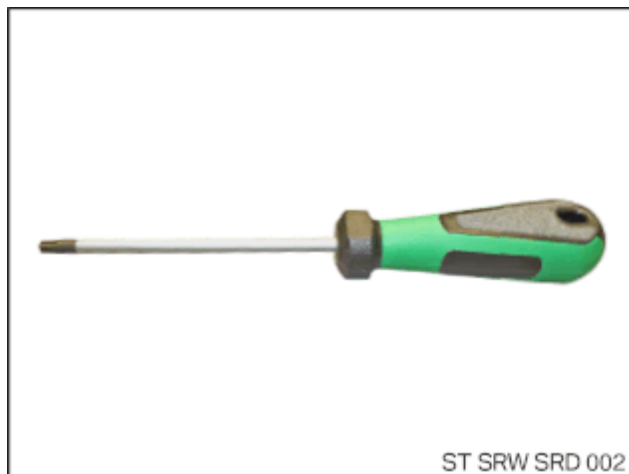
The rubber plugs are reusable. Process to reuse the rubber plug: remove the steering column shroud lower section and remove the rubber plug.

- Turn the steering wheel until the rubber plug (1) in the steering column shroud becomes visible.
- Press in the rubber plug (1) using a standard tool towards the inside into the steering column shroud.

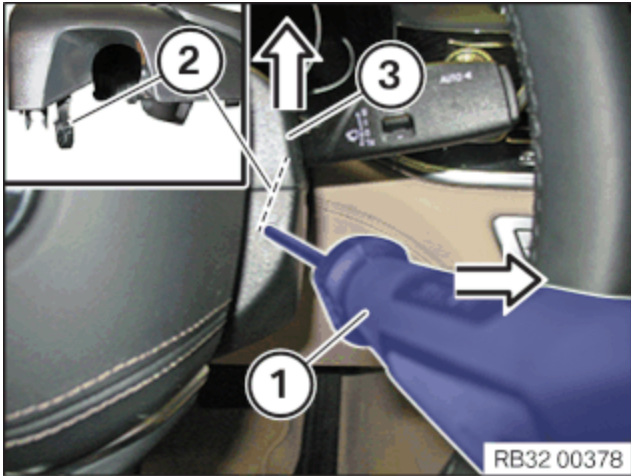
**Standard tools:**

Screwdriver for Torx socket T15

Screwdriver for Torx socket T15



Screwdriver for Torx socket T15

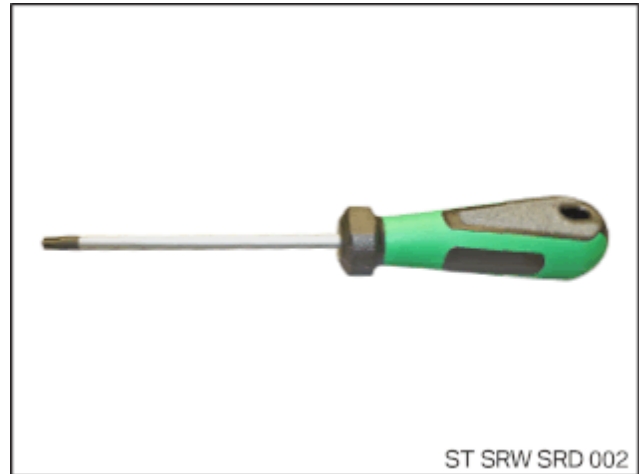


- With the standard tool (1), lever the tab (2) in the direction of the arrow inwards and the same time push off the steering column shroud upper part (3) upwards in the direction of the arrow.

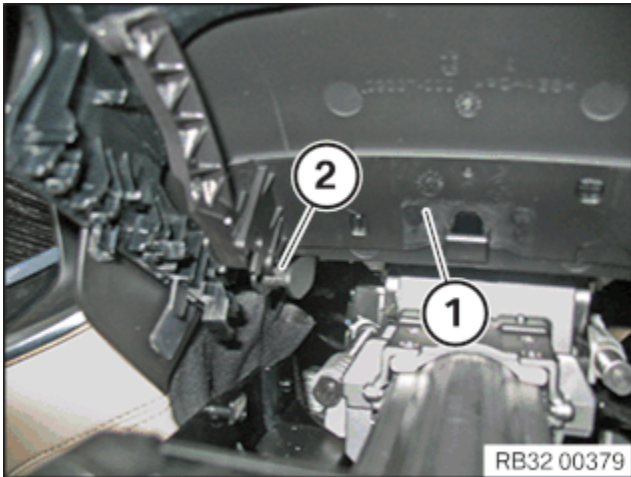
Standard tools:

Screwdriver for Torx socket T15

Screwdriver for Torx socket T15



Screwdriver for Torx socket T15



- Unclip the upper section of the steering column shroud (1) from the guide (2) and remove upwards.

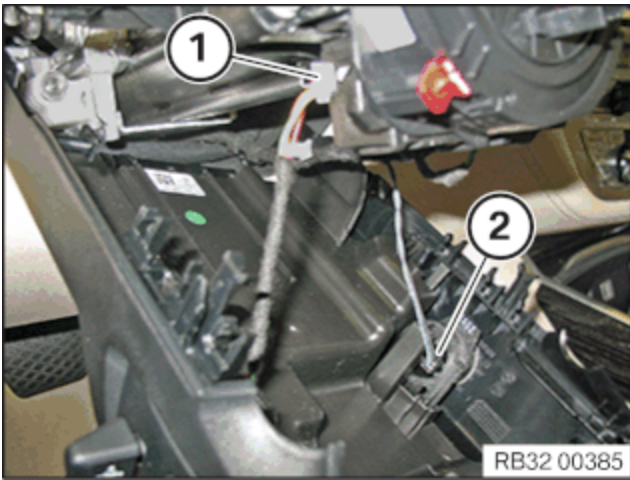
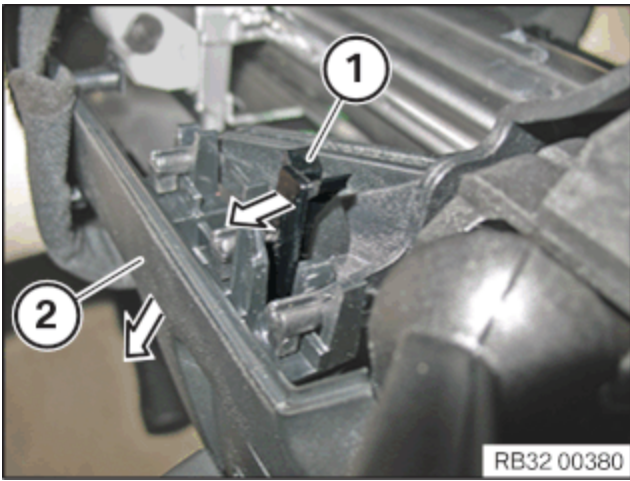
## Removing steering column shroud lower section



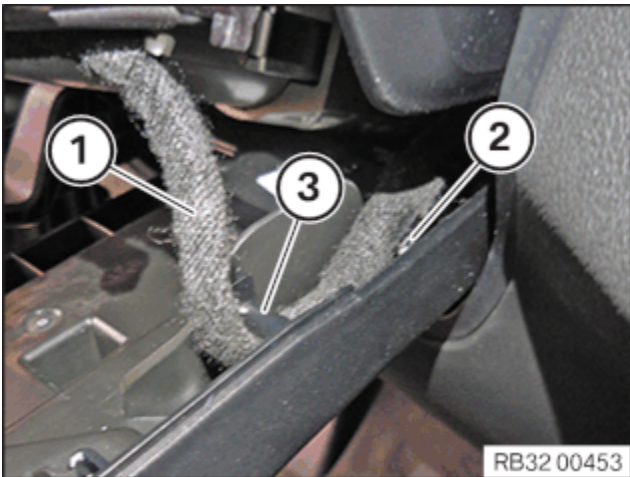
### NOTICE

Perform the operations on the left and right side.

- Push retaining lug (1) to the outside and unclip the lower section of the steering column shroud (2) downwards.

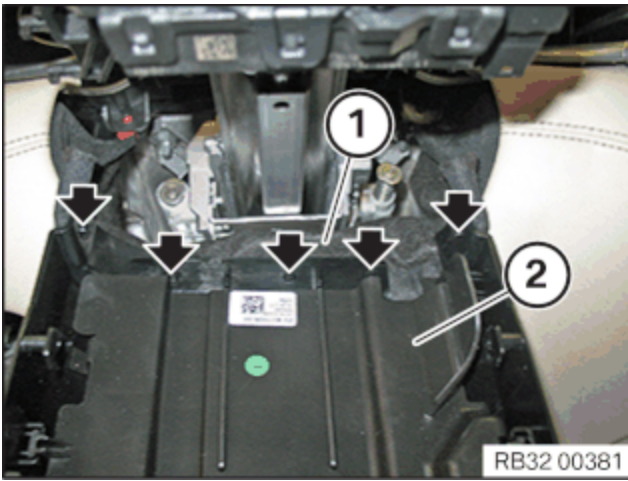


- Tilt steering column shroud lower section in downward direction.
- Unlock and disconnect the plug connections (1) and (2).

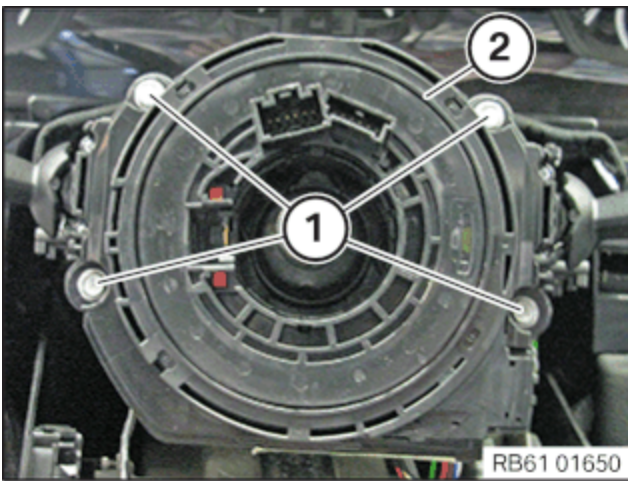


- Remove the line (1) from the holder (2).
- Feed the line (1) out of the guide (3).

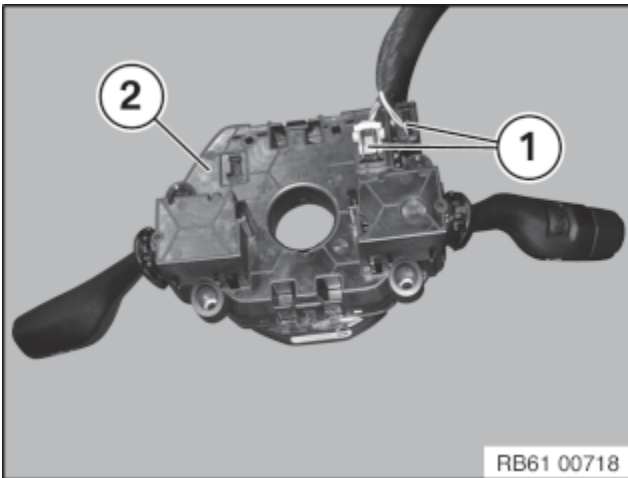
- Unclip the gap cover (1) from the steering column shroud lower section (2) (arrows) and remove the steering column shroud lower section (2).



### Removing the steering column switch cluster (SZL)



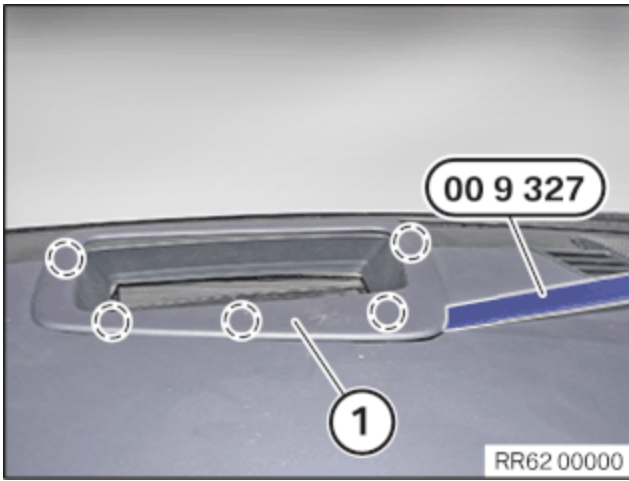
- Loosen screws (1).
- Remove the steering column switch cluster (SZL) (2).



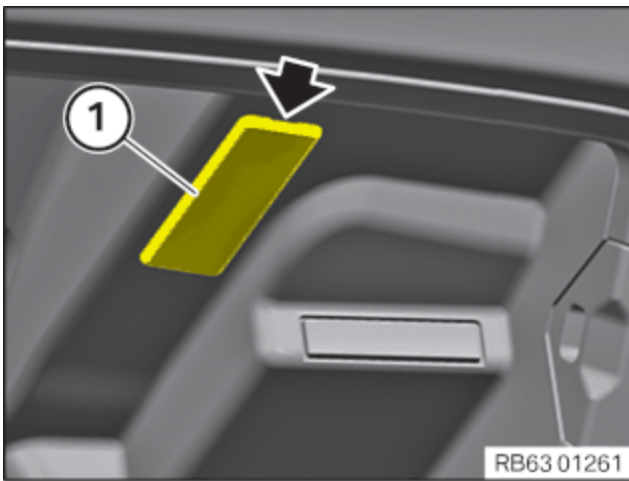
- Unlock and disconnect plug connections (1) on the SZL (2).

### Removing trim for the Head-Up Display

- Unclip trim (1) for the Head-Up Display in the marked areas with special tool 0 496 571 (00 9 327).

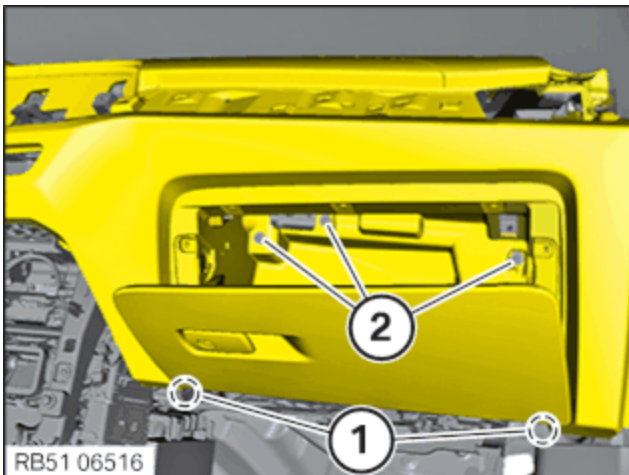


### Remove glove box light



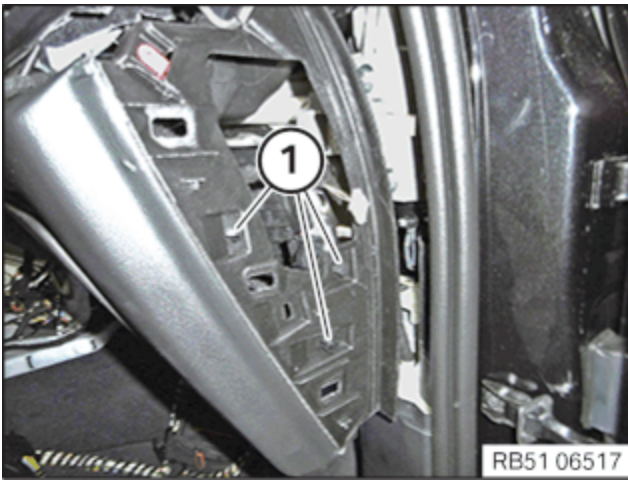
- Lever out the glove box light (1) (arrow).
- Disconnect associated plug connection.

### Remove instrument trim panel trim

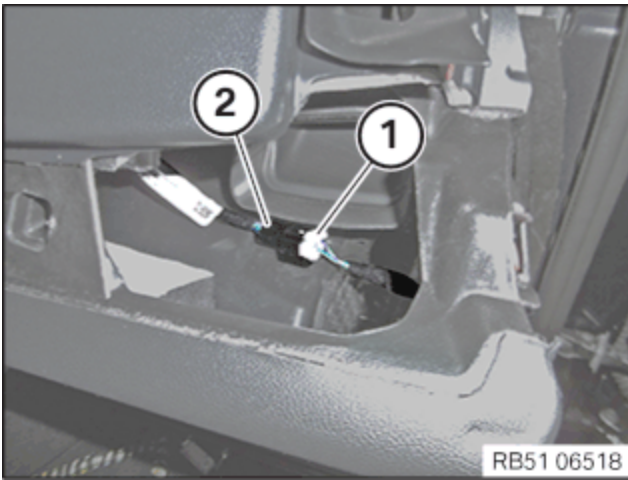


- Release screws (1) below the glove box.
- Release screws (2) in the glove box.

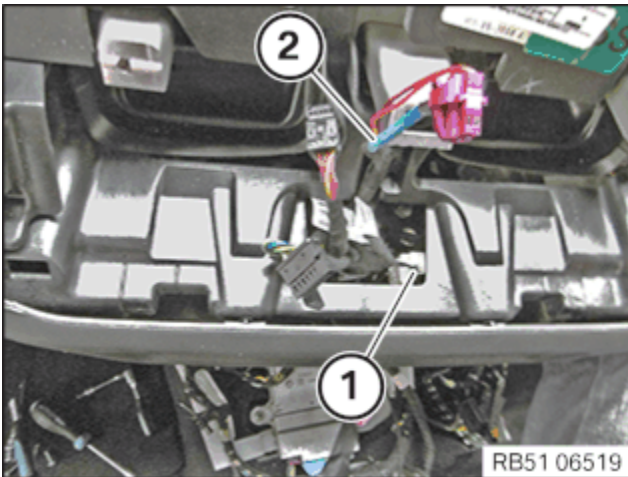
- Release cable clip (1) inwards off the instrument panel trim.



- Unlock and disconnect plug connection (1) from the front passenger airbag.
- Release connector (2) from the glove box.



- Unlock and disconnect plug connection (1) in the area of the central information display (CID).
- Release the wiring harness (2) from the instrument panel trim.

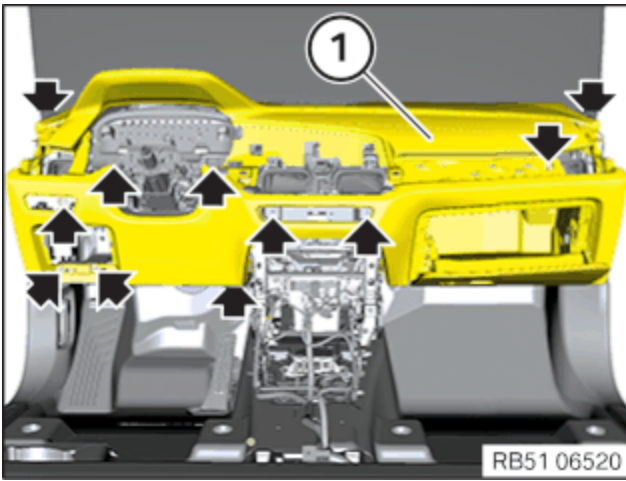


- Remove screws (arrows).

## **i** TECHNICAL INFORMATION

Conduct the following operation with the assistance of a second person.

- Carefully feed out the instrument panel trim (1) to the rear. Guide out the remaining cables in the process.

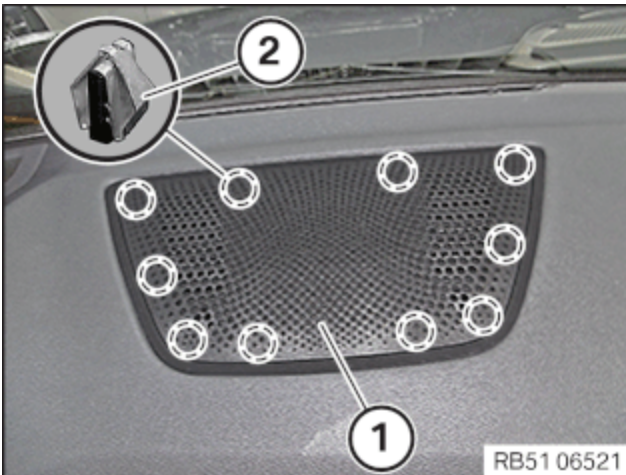


- Carefully feed out the instrument panel trim (1) further and remove it from the vehicle.

## Main work

When replacing the instrument panel trim: Remount components

### ► Remove the speaker trim at the instrument panel

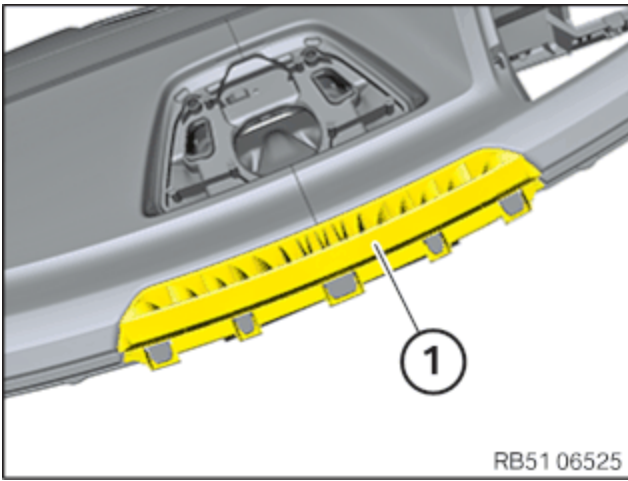


- Lever out the speaker trim (1) with the special tool 0 496 569 (00 9 325) from the clamps (2) toward the top and remove.

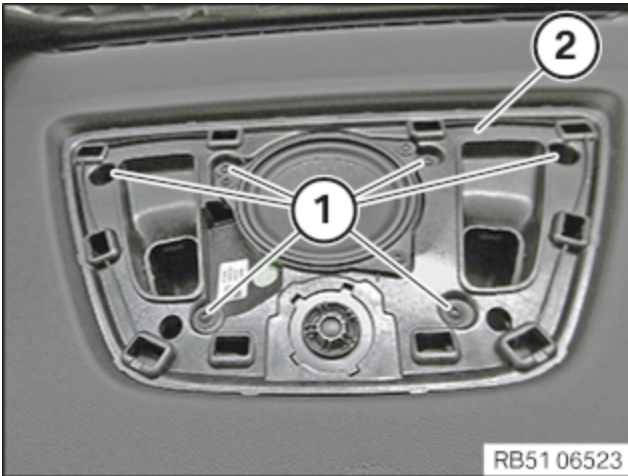


### ► Remove defrost outlet

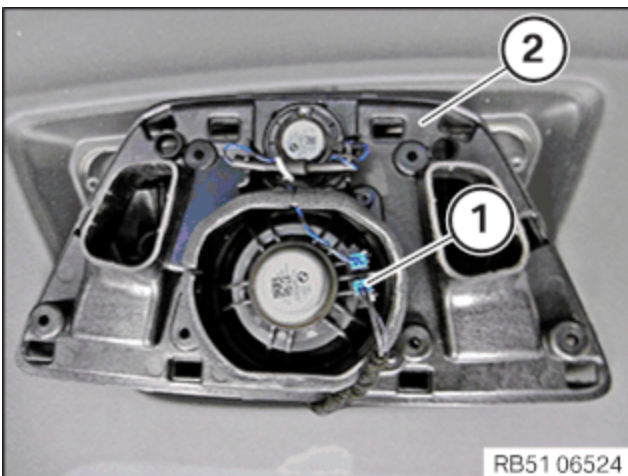
- Pull off the defrost outlet (1) towards the rear from the latch mechanisms.



► Remove the speaker holder at the instrument panel



- Loosen screws (1).
- Pull out speaker holder (2) slightly with the loudspeakers and tilt it to the side.



- Unlock plug connection (1) and disconnect.
- Remove the speaker holder (2).



► Remove front passenger airbag



**⚠ WARNING**

Pyrotechnic components.

**Danger! Life-threatening injuries!**

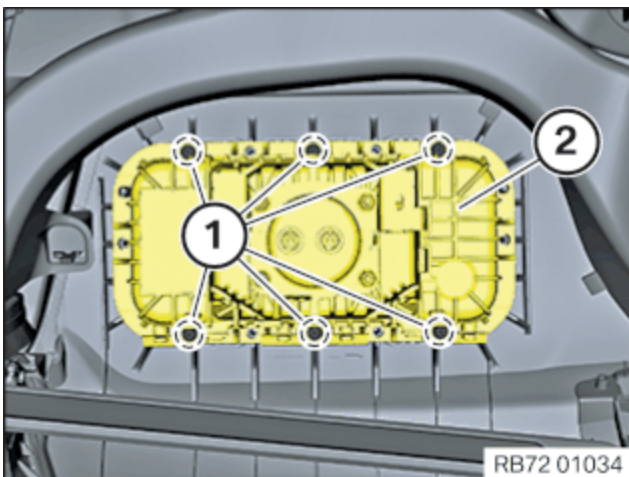
- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see: 72 00 Safety regulations on handling components with gas generators.

**⚠ WARNING**

Airbag unit.

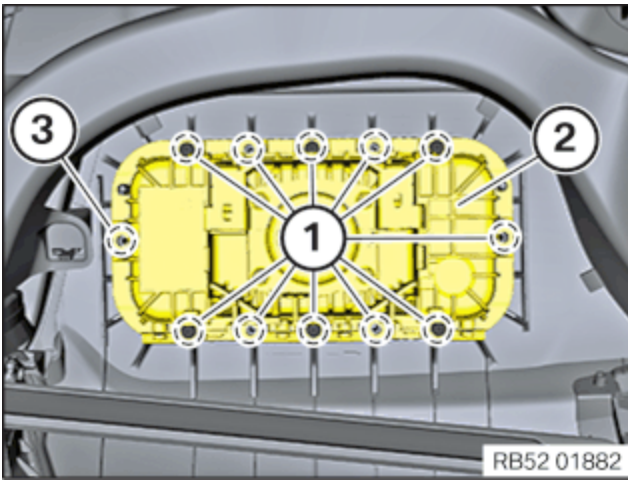
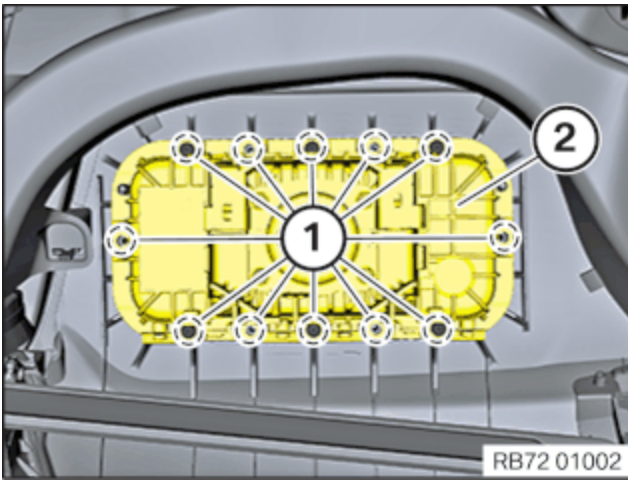
**Danger! Life-threatening injuries!**

- 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



- **Case 1:** Front passenger airbag is 6 secured with screws.
- Loosen screws (1).
- Remove front passenger airbag (2).

- **Case 2:** Front passenger airbag is 12 secured with screws.
- Loosen screws (1).
- Remove front passenger airbag (2).



- **Case 3:** Front passenger airbag is 11 secured with screws.

### **i** TECHNICAL INFORMATION

The marked bolting point **3** serves as an example for the **unused** bolting point.

- Mark the bolting point (3) that is not used on the instrument panel.

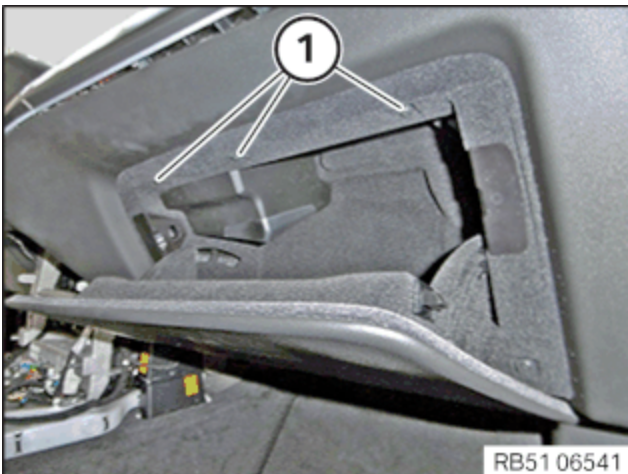
The bolting point (3) cannot be reused while installing, see "Installing the front passenger airbag".

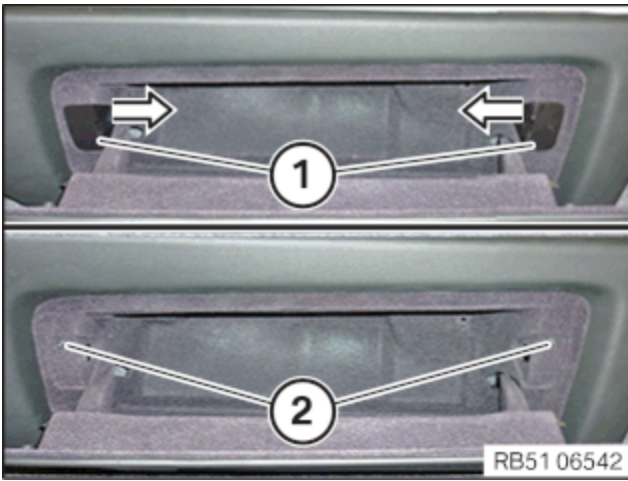
- Loosen screws (1).
- Remove front passenger airbag (2).



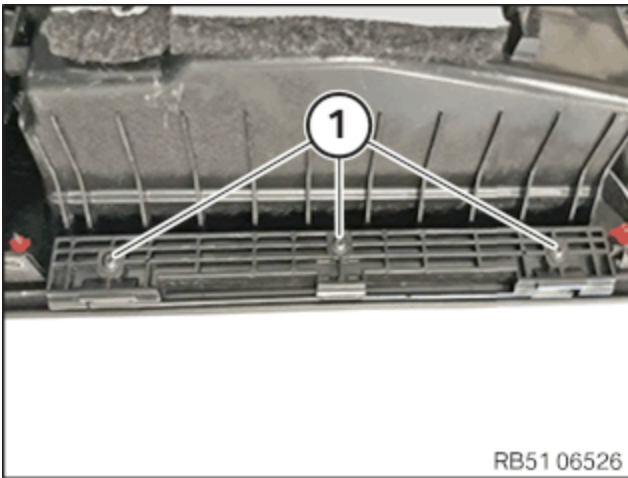
### ► Removing the glove box (instrument panel removed)

- Loosen screws (1).

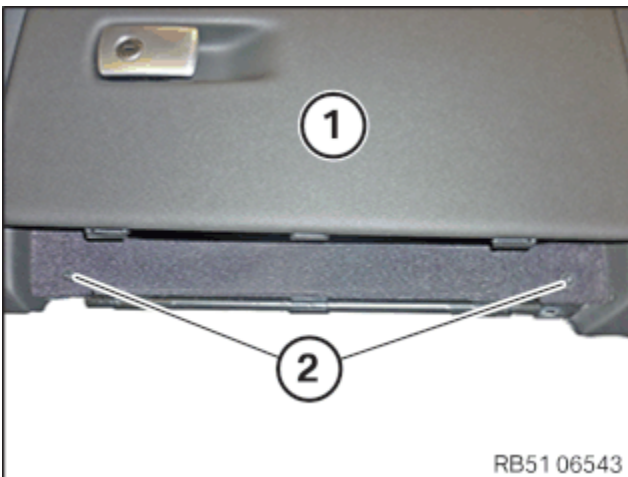




- Release covers (1) with special tool **0 493 681 (64 1 020)** in direction of arrow from glove box.
- Loosen screws (2).



- Release screws (1) on hinge of glove box from the rear.



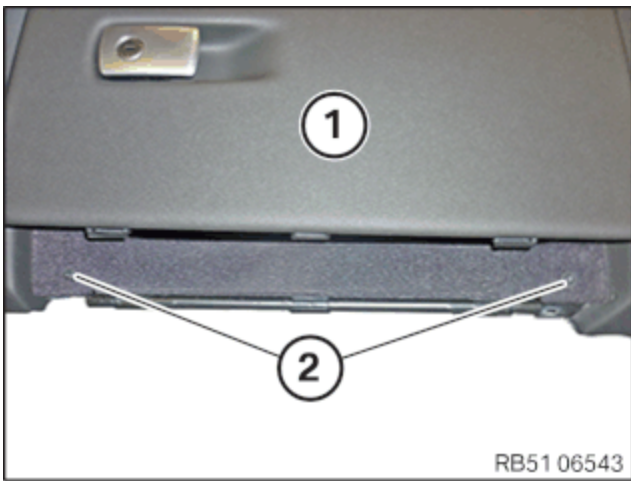
- Lift glove box lid (1) slightly as shown and release screws (2).
- Carefully feed the glove box out of the instrument panel and while doing so, unlock and disconnect all plug connections.



- Remount possibly still available cables on the new instrument panel trim.

### ► Installing the glove box (instrument panel removed)

- Guide glove box into the instrument panel,



connecting and locking all the connectors.

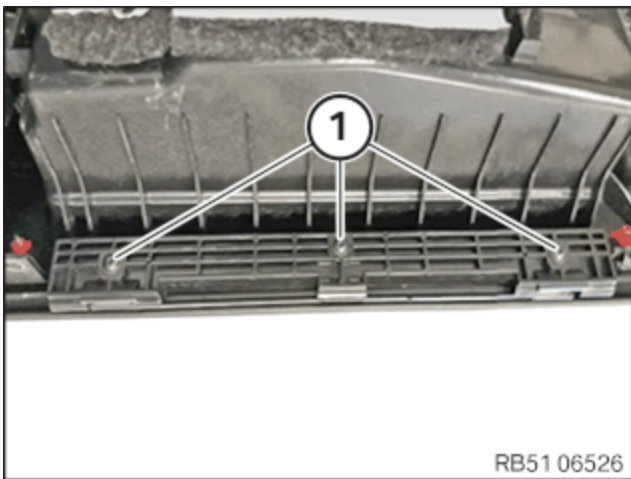
- Lift glove box lid (1) slightly as shown and tighten screws (2).

### Tightening torques

#### Glove box to instrument panel

Screw

Tightening torque  
1,8Nm



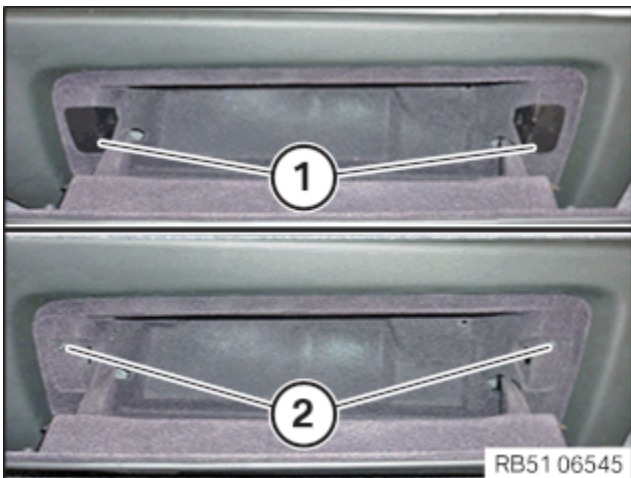
- Tighten screws (1) from the rear on the glove box hinge.

### Tightening torques

#### Glove box to instrument panel

Screw

Tightening torque  
1,8Nm



- Tighten down screws (2).

### Tightening torques

#### Glove box to instrument panel

Screw

Tightening torque  
1,8Nm

- Mount covers (1) on the glove box.

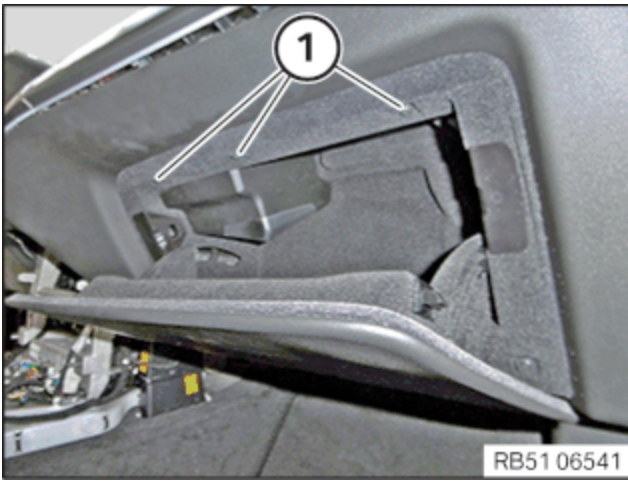
- Tighten the screws (1).

### Tightening torques

#### Glove box to instrument panel

Screw

Tightening torque  
1,8Nm



► Installing front passenger airbag

**⚠ WARNING**

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

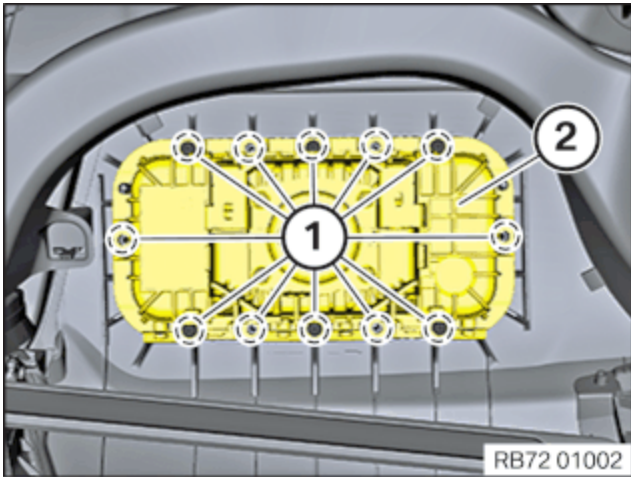
**⚠ WARNING**

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.

Depending on whether the removed parts or new parts are installed, the front passenger airbag is screwed onto the instrument panel. Note the following distinction of cases.



- **Case 1:** *Installation of the removed front passenger airbag on a new instrument panel*

- Position front passenger airbag (2).
- Secure the front passenger airbag (2) with 12 screws.
- Tighten the screws (1).

**Further retorquing of the screws with the torque wrench is not permitted!**

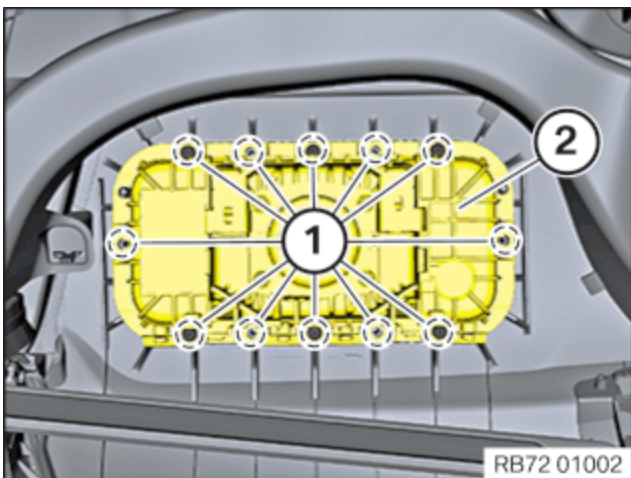
### Tightening torques

#### Front passenger airbag to instrument panel

Oval-head screw for thermoplastic

**Tightening torque**  
2.5Nm

- The tightening torque must be applied on at least 11 screws.
- If the tightening torque is not reached in more than 1 screw, the instrument panel must be renewed.



- **Case 2:** *Installation of a new front passenger airbag on the removed instrument panel*

*Removed front passenger airbag was 6 secured with screws.*

- Position front passenger airbag (2).
- Secure the front passenger airbag (2) with 12 screws.
- Tighten the screws (1).

**Further retorquing of the screws with the torque wrench is not permitted!**

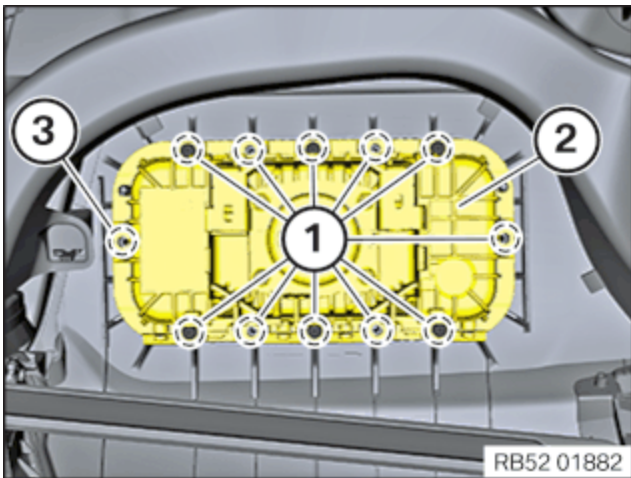
### Tightening torques

## Front passenger airbag to instrument panel

Oval-head screw for thermoplastic

Tightening torque  
2.5Nm

- The tightening torque must be applied on at least **11** screws.
- If the tightening torque is not reached in more than **1** screw, the instrument panel must be renewed.



- **Case 3:** Installation of a new front passenger airbag on the removed instrument panel

*Removed front passenger airbag was **11** secured with screws.*

- Position front passenger airbag (2).

### **i** TECHNICAL INFORMATION

The marked bolting point **3** serves as an example for the **unused** bolting point.

- Do not use the bolting point (3) marked in "Removing the front passenger airbag".
- Secure the front passenger airbag (2) with **11** screws **at the same screw points that were already used** .
- Tighten the screws (1).

**Further retorquing of the screws with the torque wrench is not permitted!**

### Tightening torques

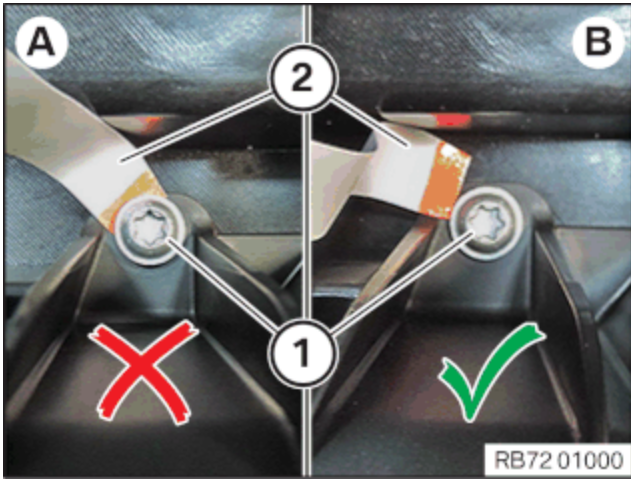
## Front passenger airbag to instrument panel

Oval-head screw for thermoplastic

Tightening torque  
2.5Nm

- The tightening torque must be applied on all **11** screws.
- If the tightening torque is not reached in **1** screw, the instrument panel must be renewed.

### Check



### i TECHNICAL INFORMATION

Although the screws have been tightened correctly with the torque wrench, it may happen that the screw head does not rest without any gaps. **The following procedure applies to all existing cases.**

- Check if all screw heads (1) lie against each other without a gap when checked, for example, with a strip of paper (2) as shown.

### Result

- » **A:** Paper strip (2) fits below the screw head (1). Screw (1) does not rest without any gaps. Screw connection is not correct.

### Measure

- Release the screw (1) and tighten it once again to the same, specified tightening torque **without retorquing**.

~~Increasing the tightening torque in order to seat the screw head in the correct position is not permitted.~~

~~Repeat screw connection is only permitted once per bolting point.~~

### Result

- » **B:** Paper strip (2) does not fit below the screw head (1). Screw (1) is positioned without any gaps. Screw connection is correct.

### Measure

- No action required.

### Result

- » **C:** Despite repeating the screw connection **once**, the paper strip (2) still fits under the screw head (1). Screw (2) does not lie without a gaps despite repeating the screw connection **once**. Screw connection is not correct.

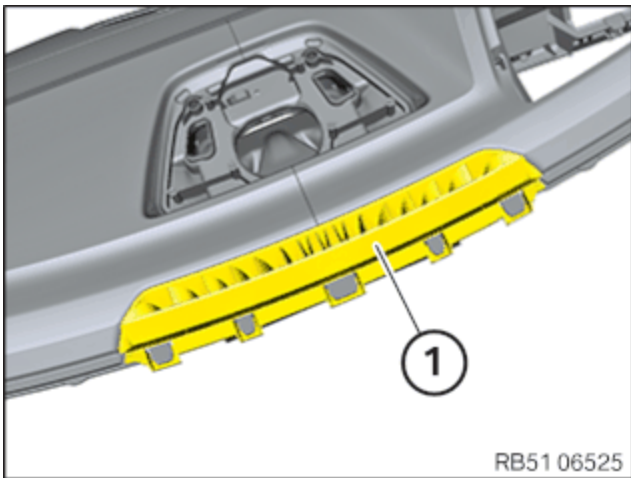
### Measure

- Replace dashboard.



► Install defrost outlet

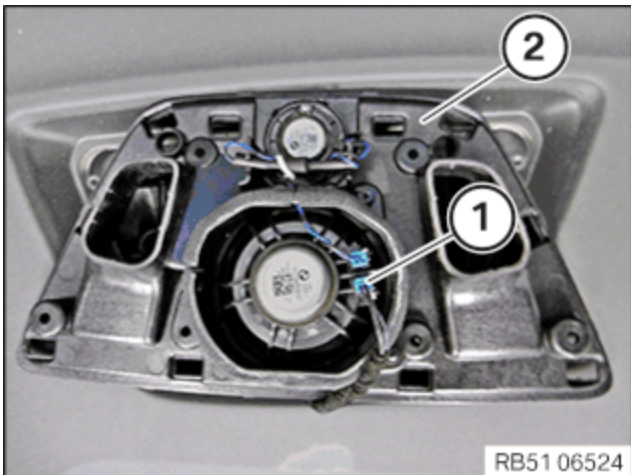




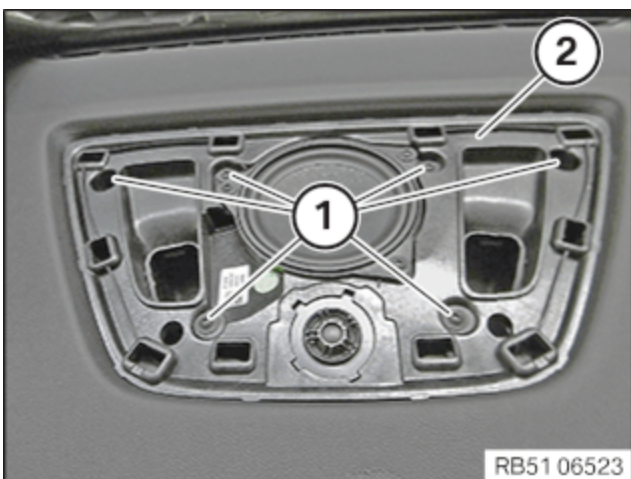
- Guide in the defrost outlet (1) and lock it in latch mechanisms.



► Install the speaker holder at the instrument panel



- Install the speaker holder (2).
- Connect connector (1).



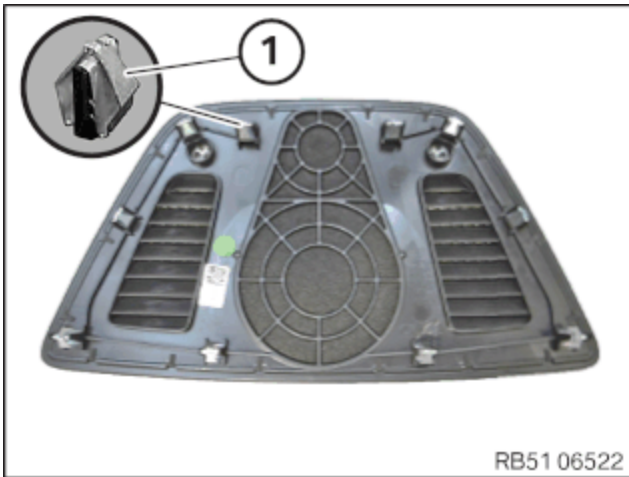
- Correctly position the speaker holder (2).
- Tighten the screws (1).

**Tightening torques**

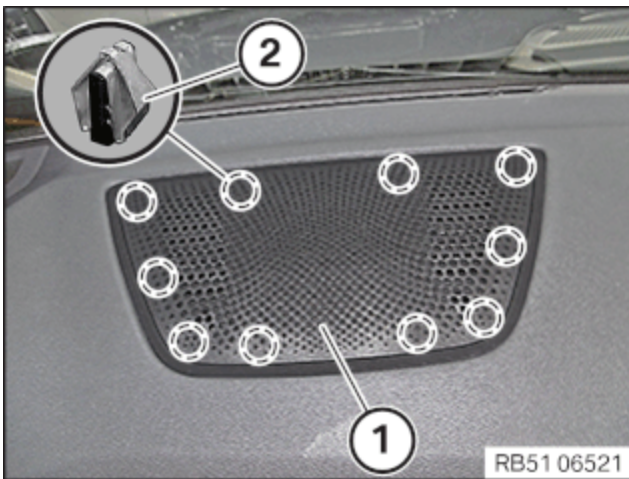
Instrument panel	
Screw	Tightening torque 1,8Nm



## ► Install the speaker trim at the instrument panel



- Check clamps (1) for damage.
- Replace broken or missing clamps (1).

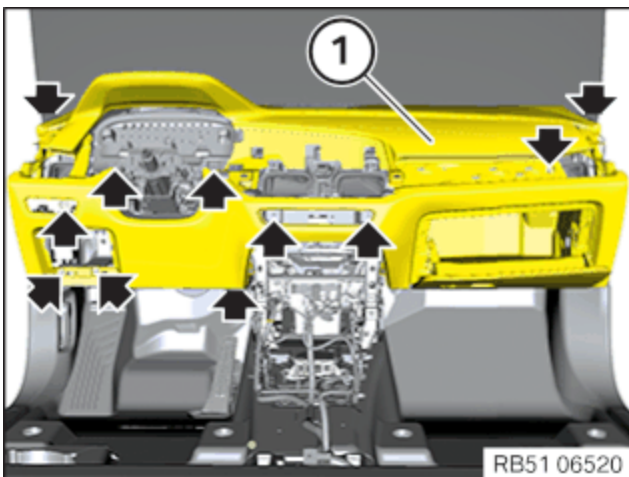


- Position the speaker trim (1) correctly and engage it at the clamps (2).



## Follow-up Work

### Install instrument panel trim



## **i** TECHNICAL INFORMATION

Conduct the following operation with the assistance of a second person.

- Insert instrument panel trim (1) into the vehicle carefully. While doing so, feed the cable in.
- Feed in the instrument panel trim(1) further carefully and position correctly.
- Ensure that no cables are crushed when doing this.
- Tighten screws (arrows).

## Tightening torques

### Instrument panel

Screw

Tightening torque  
1,8Nm

- Tighten screws (2) in the glove box.

## Tightening torques

### Instrument panel

Screw

Tightening torque  
1,8Nm

- Tighten screws (1) below the glove box.

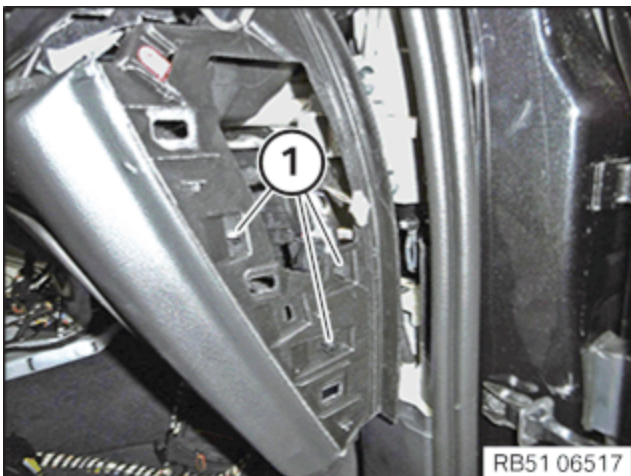
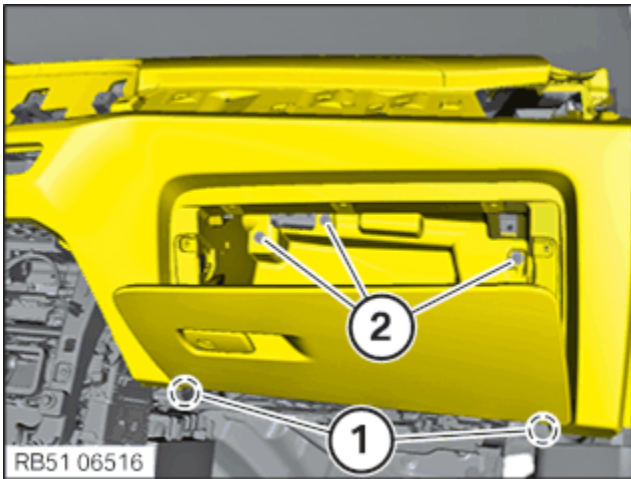
## Tightening torques

### Instrument panel

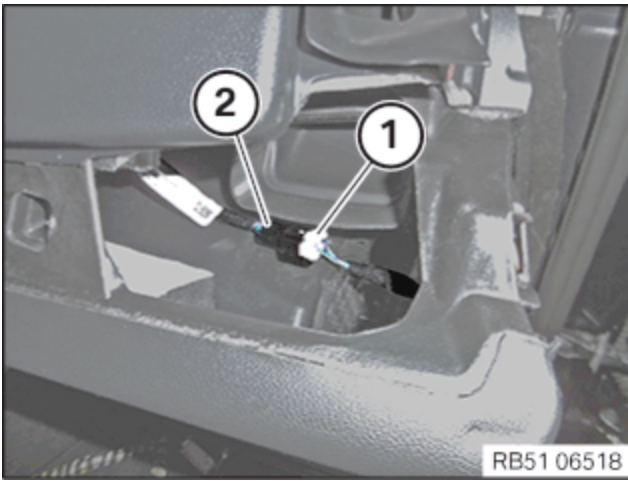
Screw

Tightening torque  
1,8Nm

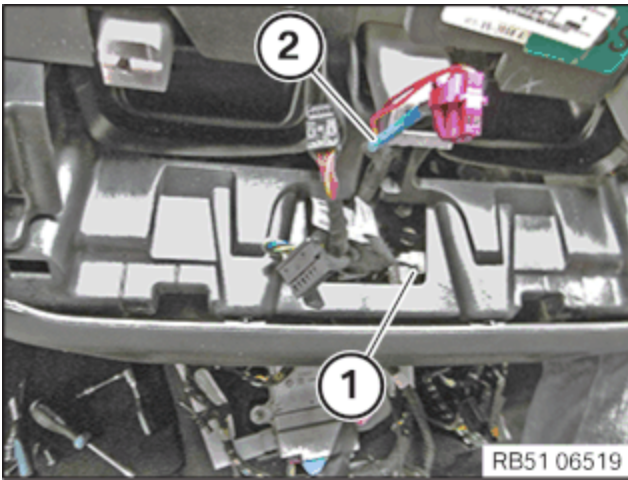
- Secure cable clip (1) to the instrument panel trim from the inside.



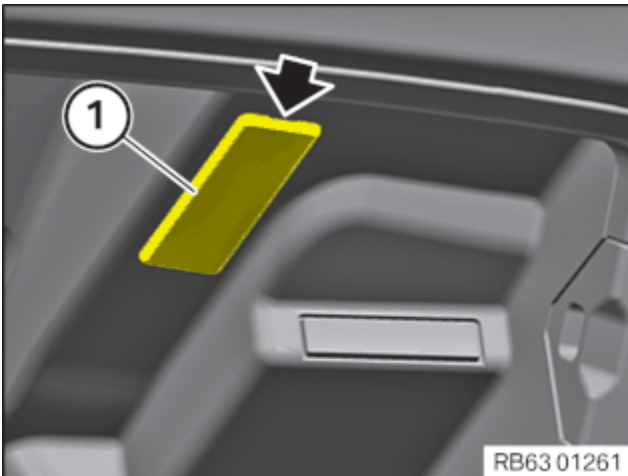
- Connect connector (2) on the glove compartment and lock it.
- Connect connector (1) of the front passenger airbag and lock it.



- Connect connectors (1) and lock.
- Secure wiring harness (2) to the instrument panel trim.



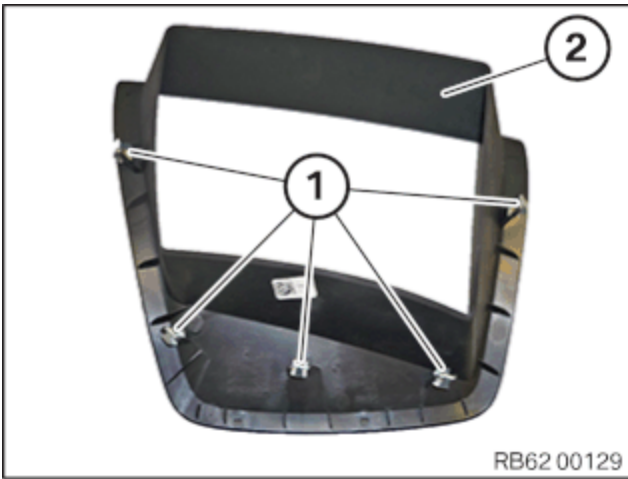
### Installing the glove box light



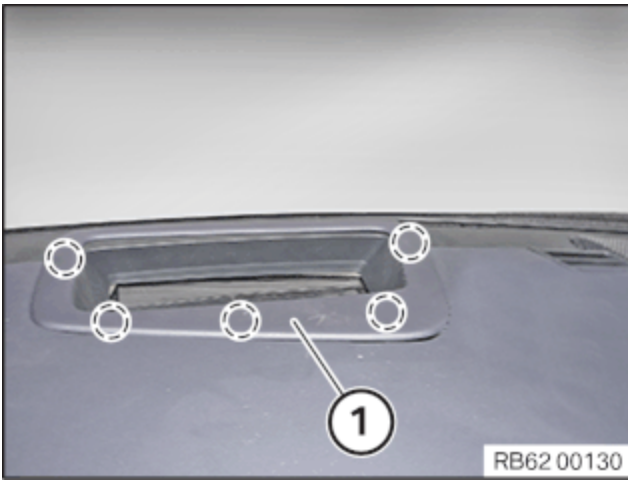
- Connect associated connector.
- Install the glove box light (1) (arrow).

### Installing the trim for the Head-Up Display

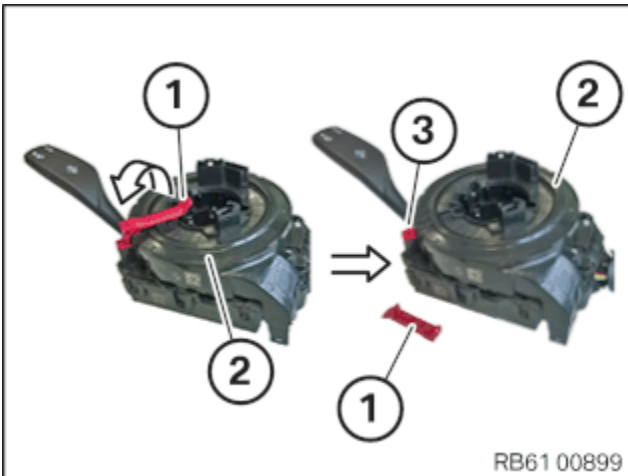
- Check metal clamps (1) on trim (2) for damage and, if necessary, renew them.



- Clip trim (1) for the Head-Up Display in the marked areas.



### Installing the steering column switch cluster (SZL)

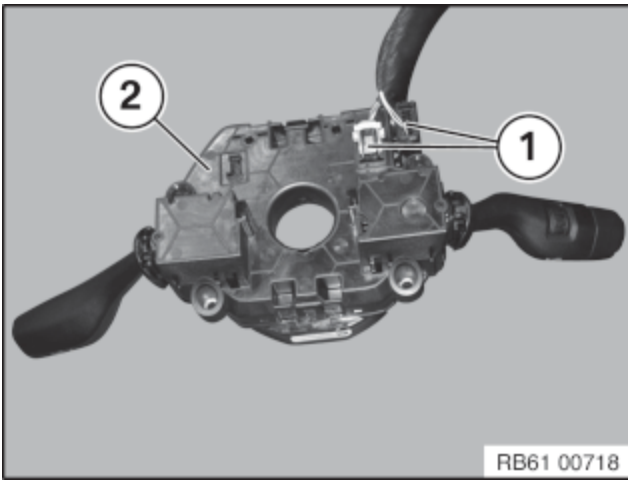


- **Replacement:**

Break off the transportation retainer (1) on the steering column switch cluster (SZL) (2) in direction of arrow.

The broken off piece (3) of the transportation retainer (1) remains in the steering column switch cluster (SZL) (2).

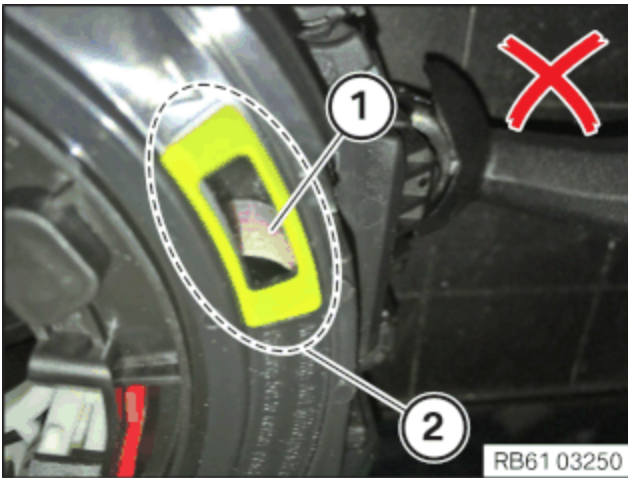
- Connect the connector (1) with the steering column switch cluster (SZL) (2).



### Check

- Version A:

Check whether the correct marking (1) is seen in inspection glass (2).



### Result

» Ensure that no incorrect marking (1) is seen in inspection glass (2).

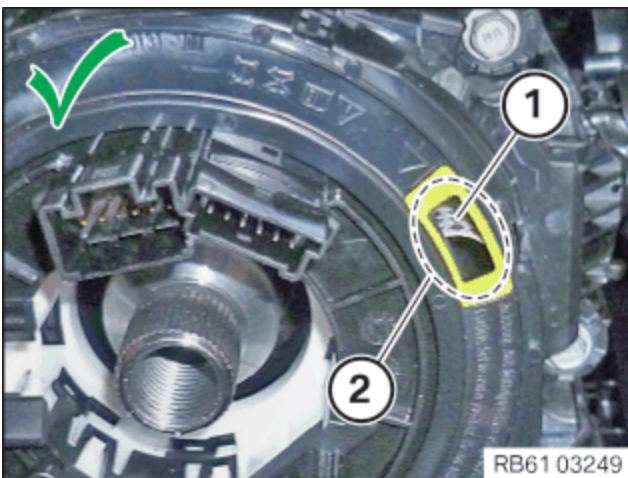
### Measure

- Turn the coil spring cassette until the right mark (1) becomes visible in the inspection glass (2).

### Check

- Version A:

Check whether the correct marking (1) is seen in inspection glass (2).



### Result

» Correct marking (1) is seen in inspection glass (2).

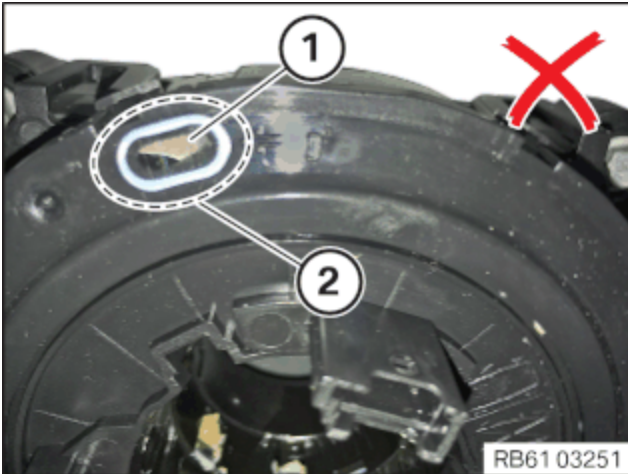
### Measure

- Continue with the next step.

## Check

- **Version B:**

Check whether the correct marking (1) is seen in inspection glass (2).



## Result

- » Ensure that no incorrect marking (1) is seen in inspection glass (2).

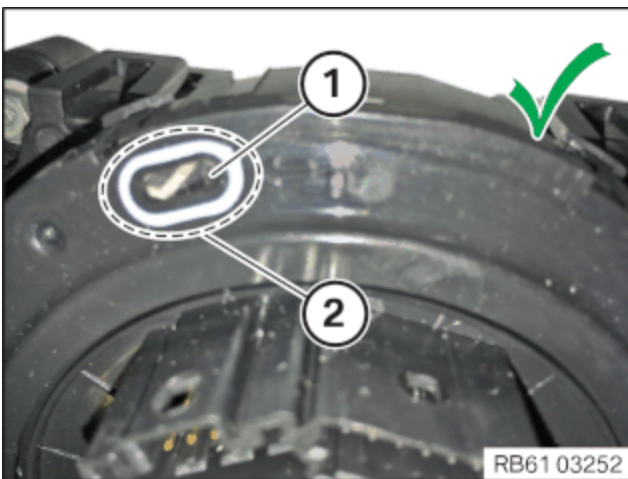
## Measure

- Turn the coil spring cassette until the right mark (1) becomes visible in the inspection glass (2).

## Check

- **Version B:**

Check if the correct mark (1) can be seen in the inspection glass (2).



## Result

- » Correct marking (1) is seen in inspection glass (2).

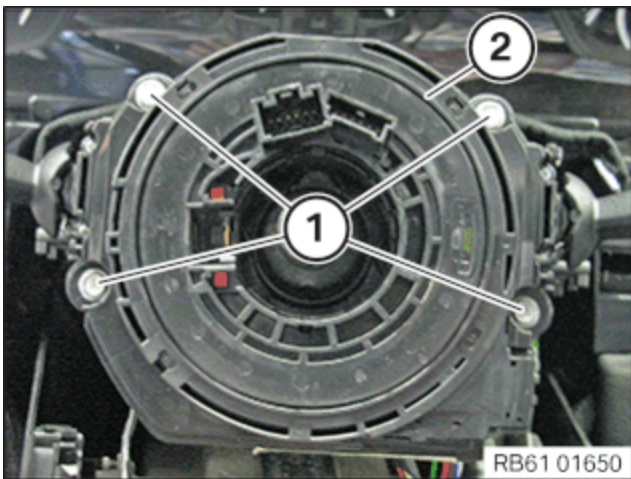
## Measure

- Continue with the next work step.

- Position the steering column switch cluster (SZL) (2).
- Tighten the screws (1).

## Tightening torques

Steering column switch cluster (SZL) on the steering column

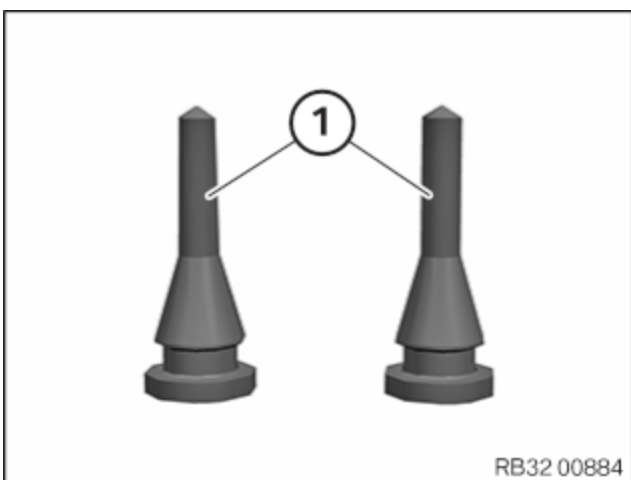


Screw TS5x20

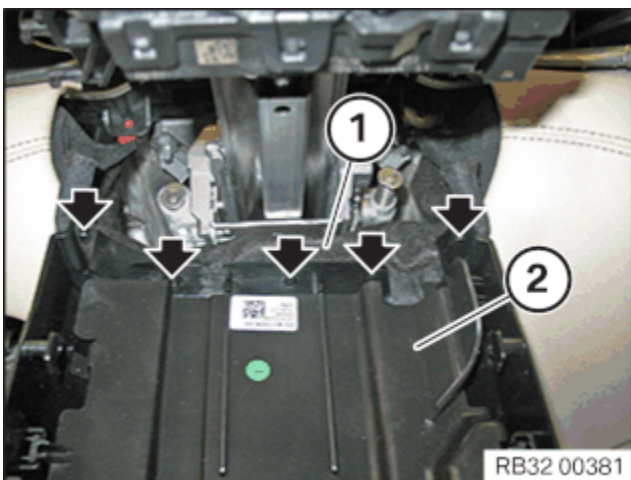
Tightening torque

3Nm

### Install steering column shroud lower section



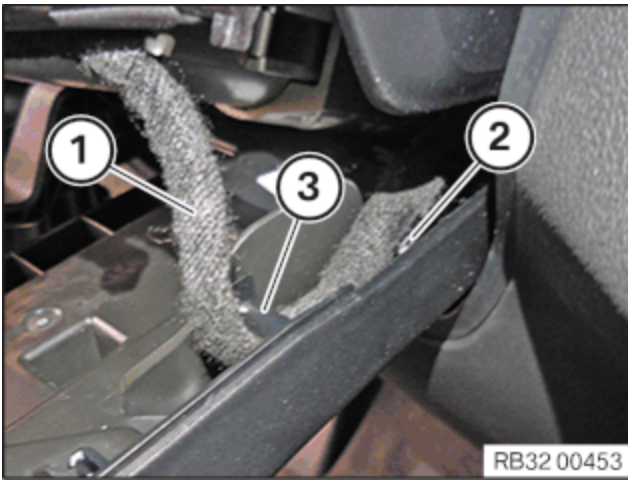
- Remove rubber plugs (1) from the lower section of the steering column trim panel.



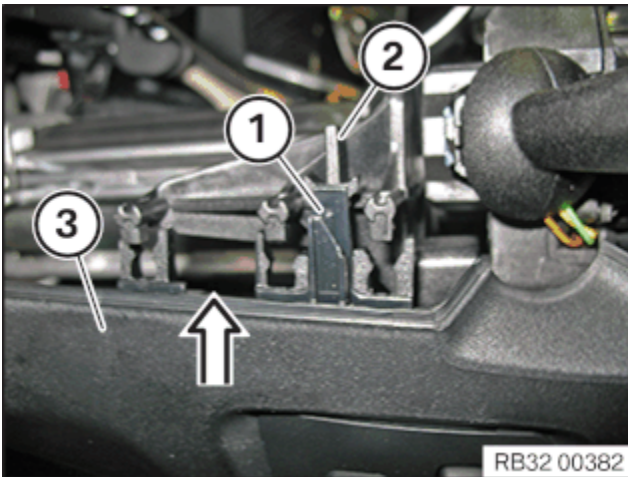
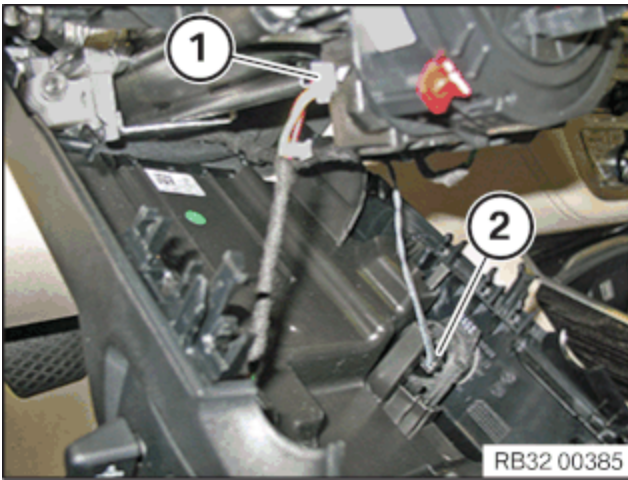
- Clip in the gap cover (1) into the steering column shroud lower section (2) (arrows).

- Secure the wire (1) to the holder (2).
- Insert the line (1) at the guide (3).





- Connect connectors (1) and (2) lock.



#### NOTICE

Perform the operations on the left and right side.

- Align the steering column shroud lower section (3) to the steering column using the retaining lug (2).
- Push the steering column shroud lower section (3) upwards in direction of arrow until the tab (1) engages with the retaining lug (2).

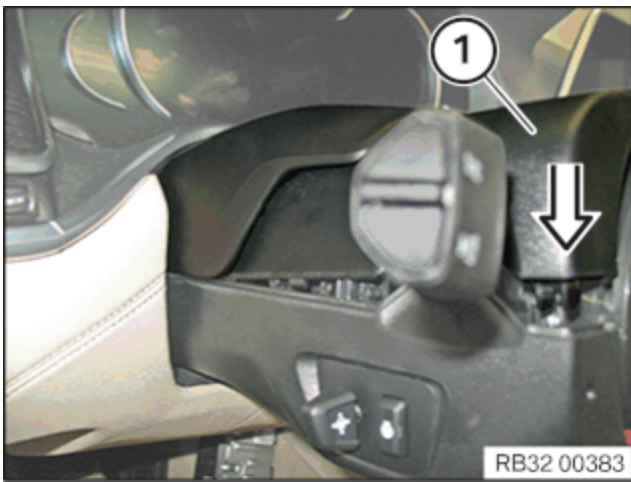
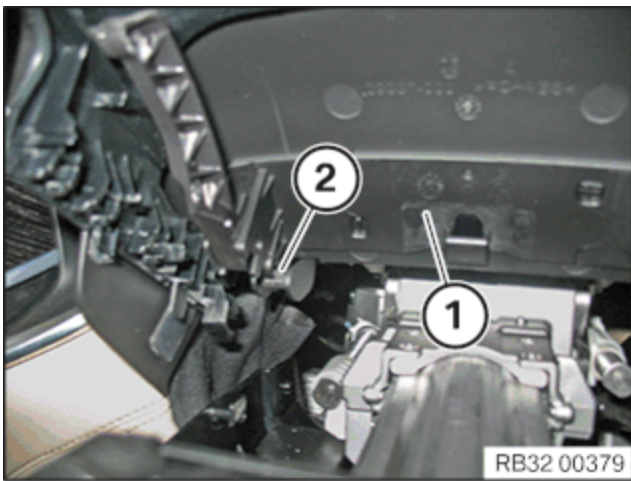
### Fit steering column shroud upper section



#### NOTICE

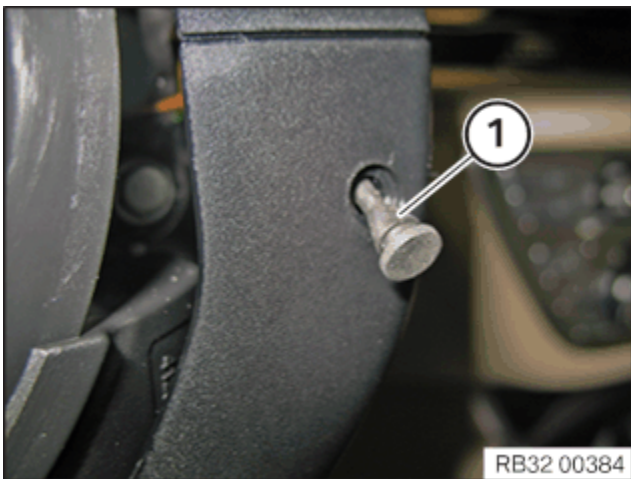
Perform the operations on the left and right side.

- Clip in the steering column shroud upper section (1) into the guide (2).



- Press the upper section of the steering column shroud (1) downwards in direction of arrow.

The upper section of the steering column shroud must engage audibly and perceptibly.



- Seal the bore hole using a rubber plug (1).

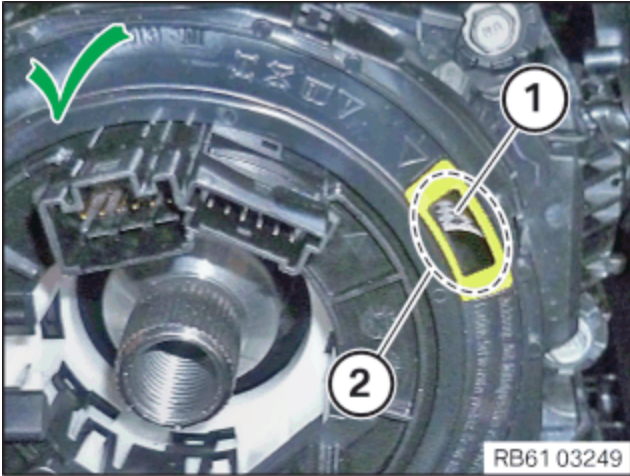
## Installing the steering wheel (sports steering wheel)

- ▶ Check the neutral position of the clock spring

### **i** TECHNICAL INFORMATION

Different variants may be installed depending on the vehicle equipment.

## Check



- **Version A:**

Check the mark (1) on the coil spring in the inspection glass (2).

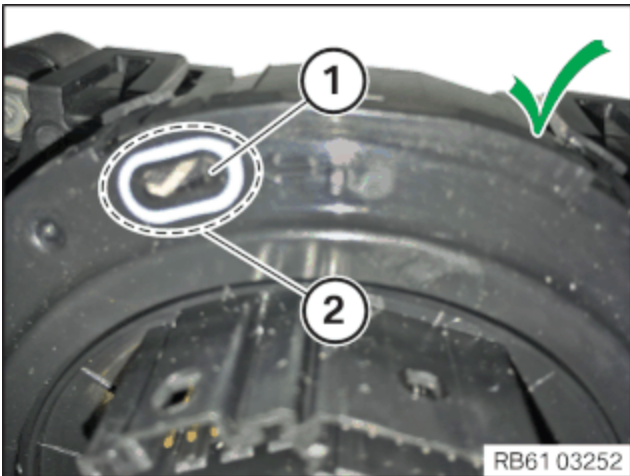
## Result

» The mark (1) on the coil spring is not visible.

## Measure

- Turn the coil spring cassette until the mark (1) on coil spring in the inspection glass (2) becomes visible.

## Check



- **Version B:**

Check the mark (1) on the coil spring in the inspection glass (2).

## Result

» The mark (1) on the coil spring is not visible.

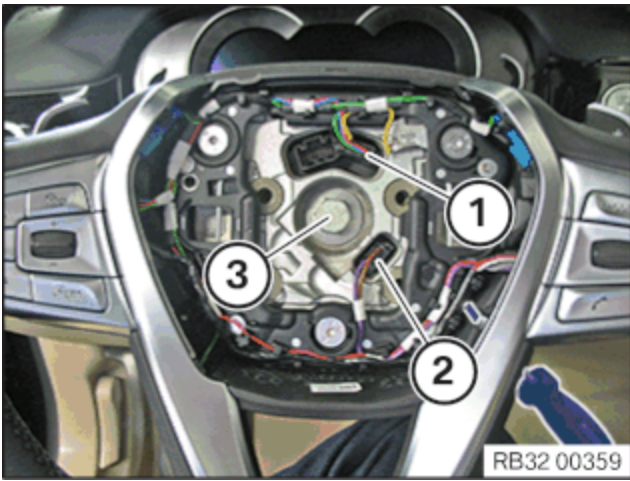
## Measure

- Turn the coil spring cassette until the mark (1) on coil spring in the inspection glass (2) becomes visible.



## Check

- A micro-encapsulated screw (3) may be fitted.
- Check the screw connection.



## Result

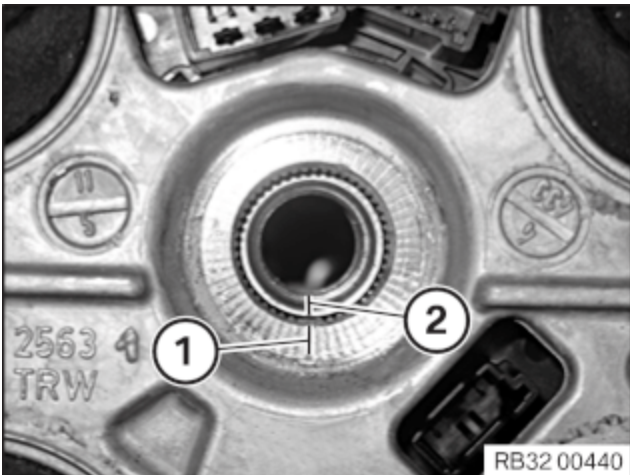
- » Screw (3) is micro-encapsulated.

## Measure

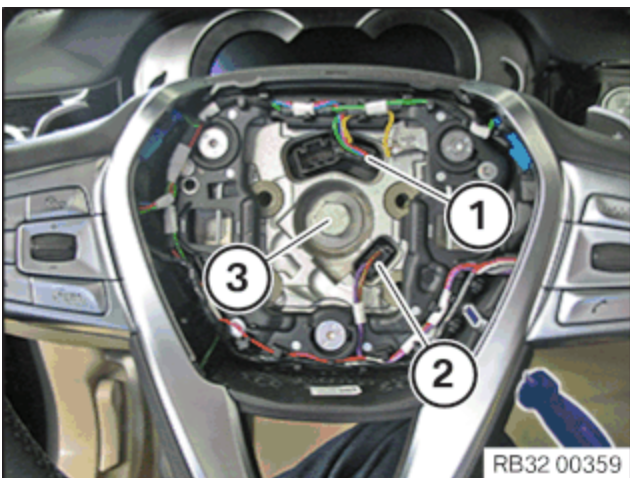
- Clean thread in the steering column.

Renew the screw (3).

**Parts:** Screw



- Align mark (1) on steering wheel to mark (2) on steering column.
- Connect steering wheel.



- Connect connector (1).
- If installed: Connect connector (2).
- Tighten screw (3) .

## Tightening torques

### Steering wheel to steering column

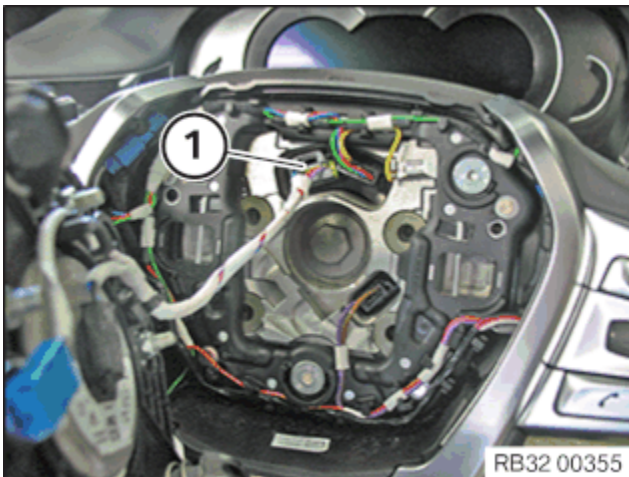
M14  
Only for a micro-encapsulated screw:  
Renew screw.

**Tightening torque**  
62,5Nm

## Installing the airbag unit (sports steering wheel)

### **i** TECHNICAL INFORMATION

After replacing the airbag unit (M sport steering wheel) or after a possible conversion of standard steering wheel and airbag unit to M-sports steering wheel, a software update or a programming/encoding via ISTA must be performed!



- Connect connectors (1) and lock.



- Press the airbag unit (1) with even pressure in the direction of the arrow into the steering wheel.

The airbag unit (1) must engage audibly and perceptibly.

## Install the central information display (CID)

Additional information is available.



### RISK OF DAMAGE



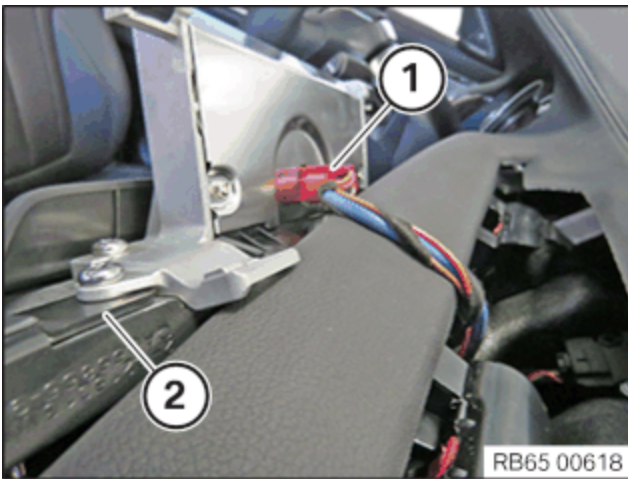
Electrostatic discharge.

Damage to or destruction of electrical components.

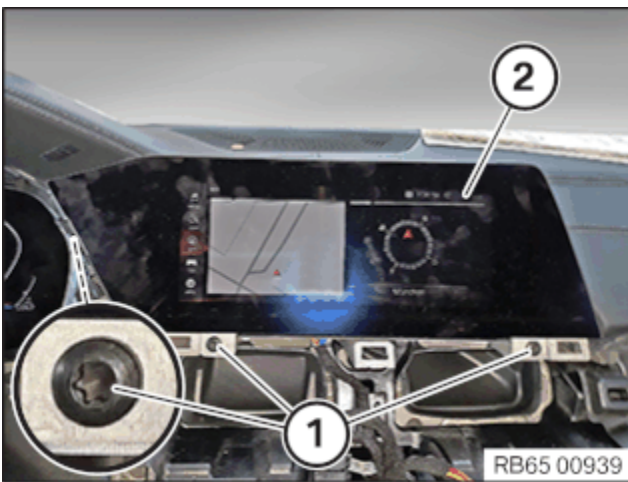
- Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.

- Read and comply with user information on using the associated special tool 12 7 060.
- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
- For additional information see: 61 35 ... Notes for ESD protection (electrostatic discharge)

61 35 ... Notes on ESD protection (Electro Static Discharge)



- Position Central Information Display (CID) (2).
- Connect connectors (1) and lock.



- Insert the central information display (CID) (2) in the instrument panel and position correctly.
- Tighten the screws (1).

#### Tightening torques

Central information display to instrument panel

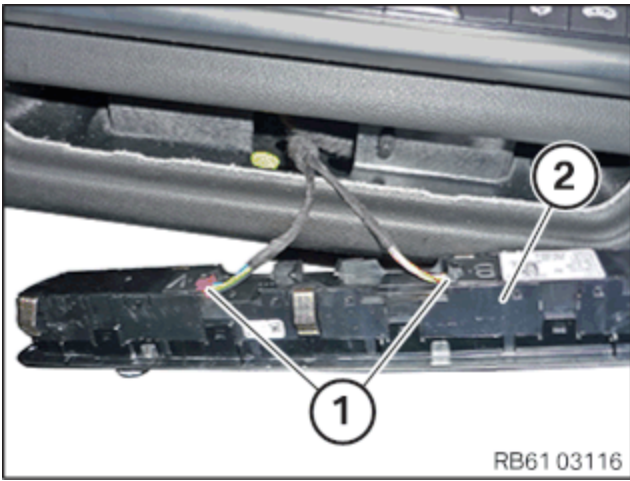
Screw

Tightening torque

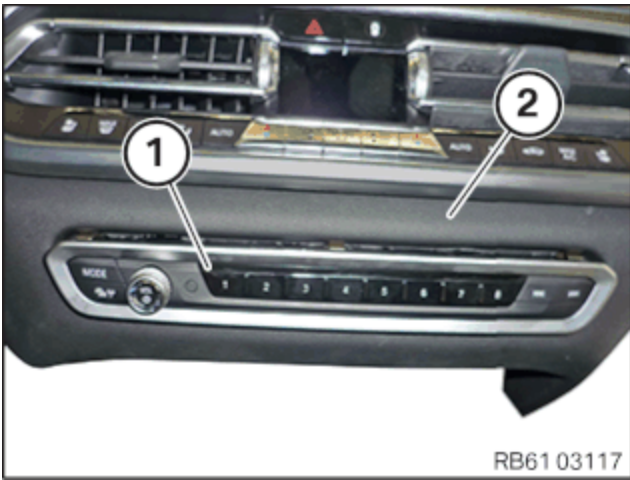
8Nm

#### Install the audio operating unit

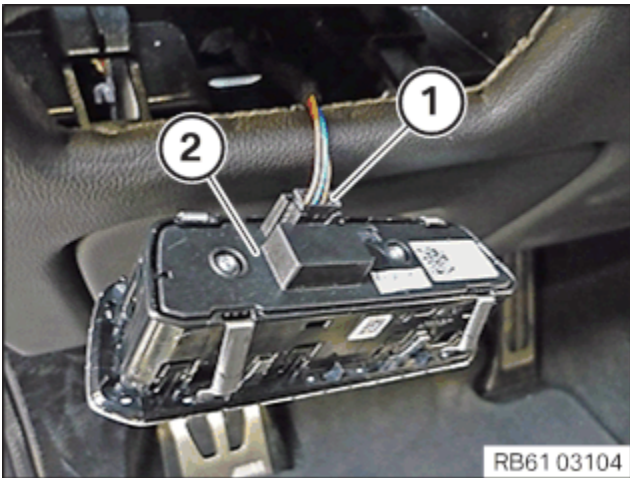
- Connect the connector (1) to the audio operating unit (2).



- Correctly position the audio operating unit (1) and install in the instrument panel(2).



### Installing the light operating unit



- Connect the connector (1) to the light operating unit (2).

- Correctly position the light operating unit (1) and clip in at the marked points.



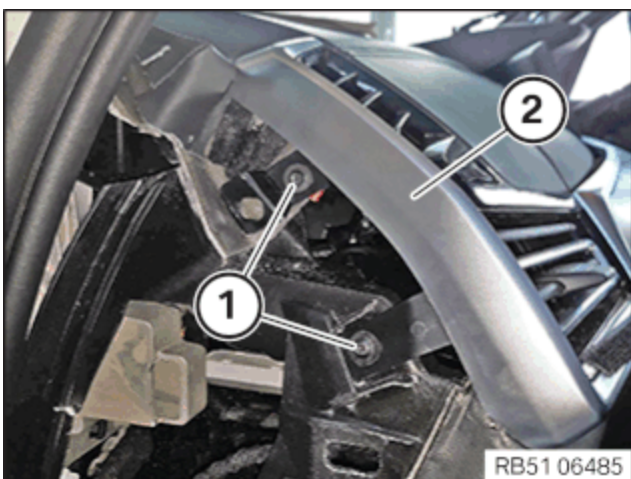
## Install the finisher on the instrument panel on the left

### **i** TECHNICAL INFORMATION

Latch mechanisms, guides and mounting elements must not be damaged or missing.



- Position the decorative strip (1).
- Connect plug connections.
- Engage decorative strip (1) in clamps (2) and (3).



- Tighten screws (1) on the side of decorative strip (2).

### Tightening torques

#### Instrument panel

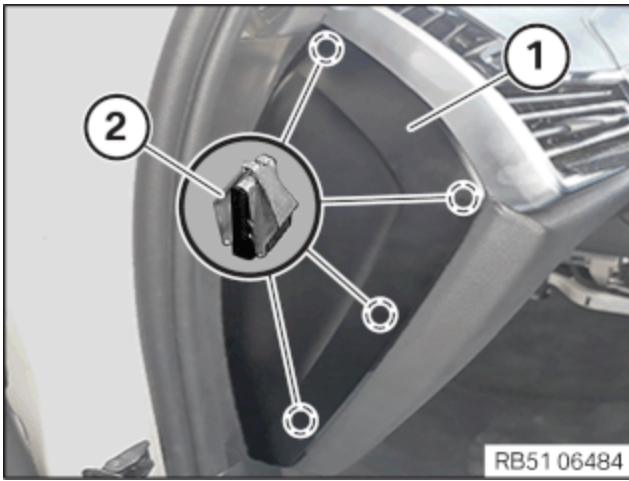
Screw

Tightening torque  
1,8Nm

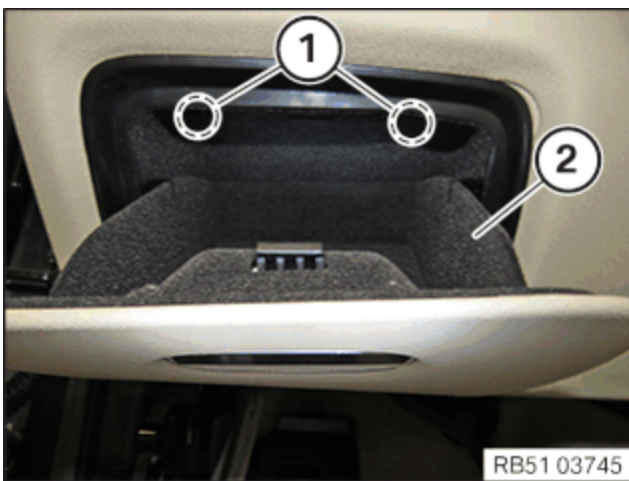
## Install the side panel on left instrument panel

- Feed in the side panel (1) and clip it in at the clamps

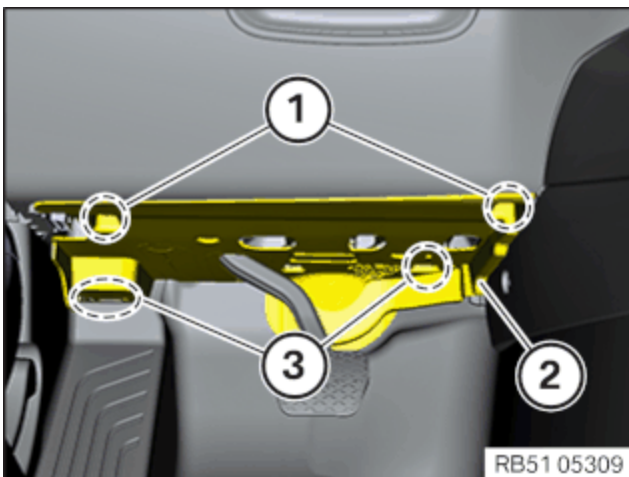




### Installing the left fold-down compartment



### Installing the trim panel for the pedal mechanism



### Install the right footwell trim panel

(2).

- Install the fold-down compartment (2).
- Tighten the screws (1).

#### Tightening torques

Instrument panel	
Screw	Tightening torque 1,8Nm

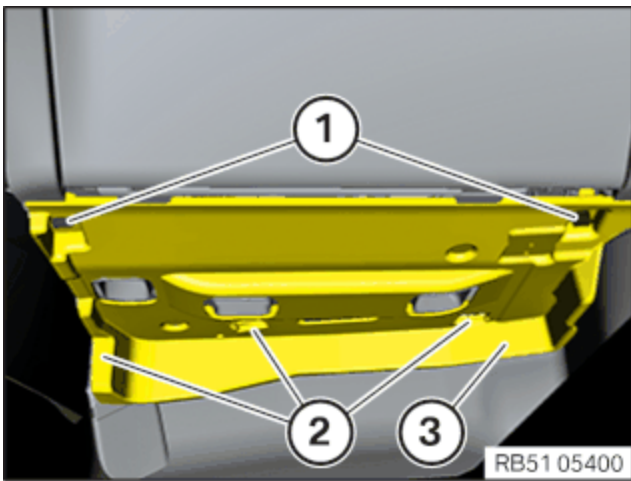
- Install trim panel for pedal mechanism (2) and connect the corresponding connectors.
- Attach the trim panel for the pedal mechanism (2) in the guides (3) and fold it up.

#### **i** TECHNICAL INFORMATION

It is **imperative** that the screws caps of the trim panel be correctly locked. This is the only way to ensure that the trim panel does not come loose and potentially tilt into the pedal area.

- Insert screw caps (1) correctly and turn by 90° to lock.

- Connect and lock corresponding connectors.

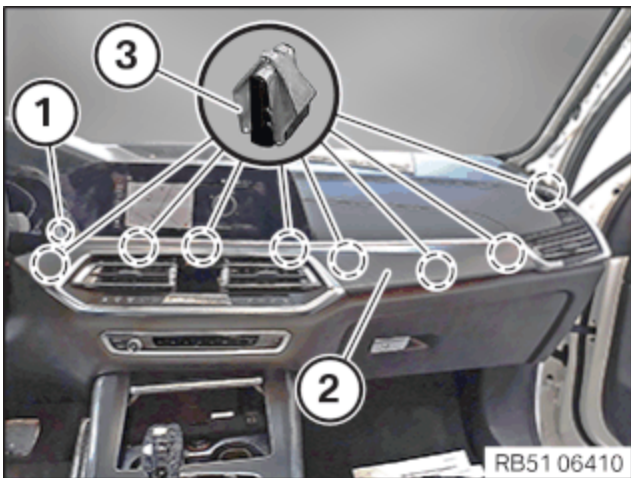


- Attach the footwell trim on the right (3) to the guides (2) and fold it up.
- Insert locks (1) correctly and turn 90°.

## Install the finisher on the right instrument panel

### **i** TECHNICAL INFORMATION

Latch mechanisms, guides and mounting elements must not be damaged or missing.



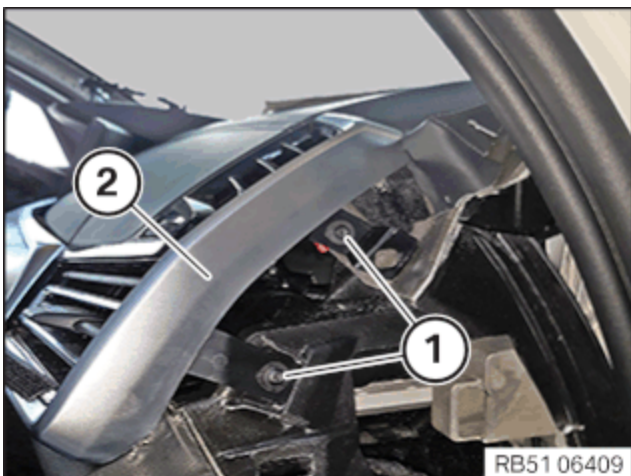
- Position the decorative strip (2).
- Connect plug connections.
- Engage the decorative strip (2) on the clamps (3).
- Tighten down screw (1).

### Tightening torques

#### Instrument panel

Screw

Tightening torque  
1,8Nm



- Tighten screws (1) on the side of decorative strip (2).

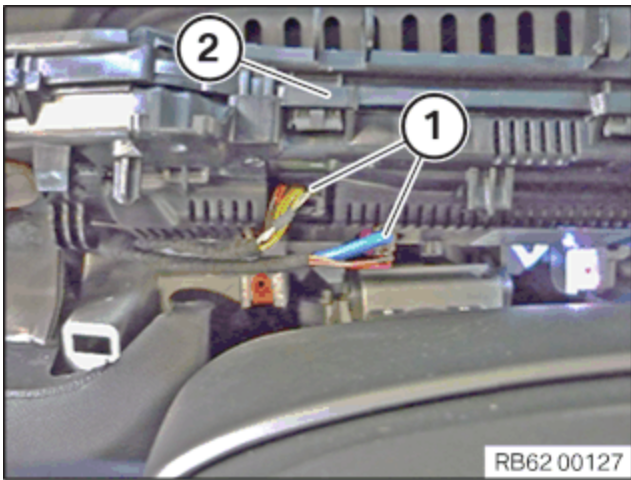
### Tightening torques

#### Instrument panel

Screw

Tightening torque  
1,8Nm

## Installing the instrument cluster (KOMBI)



### RISK OF DAMAGE

Damage to the instrument cluster (KOMBI) or the head unit

While releasing and connecting the cable, it could lead to a ground offset. This can generate currents that render the instrument cluster (KOMBI) or the head unit unusable.

- While releasing: Release APIX data cable (blue) first.
- While connecting: Connect APIX data cable (blue) at the last.

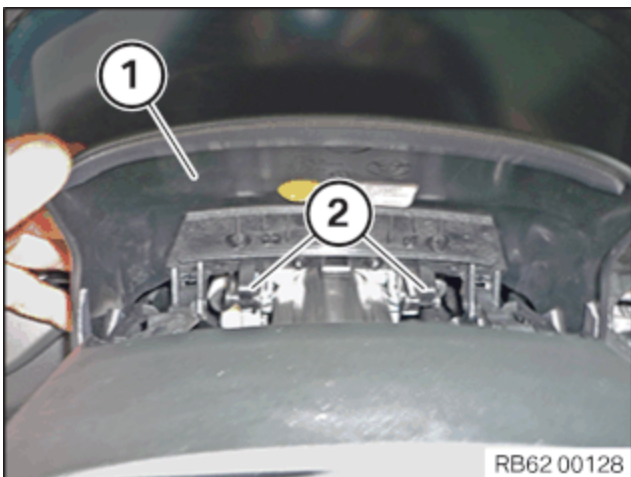
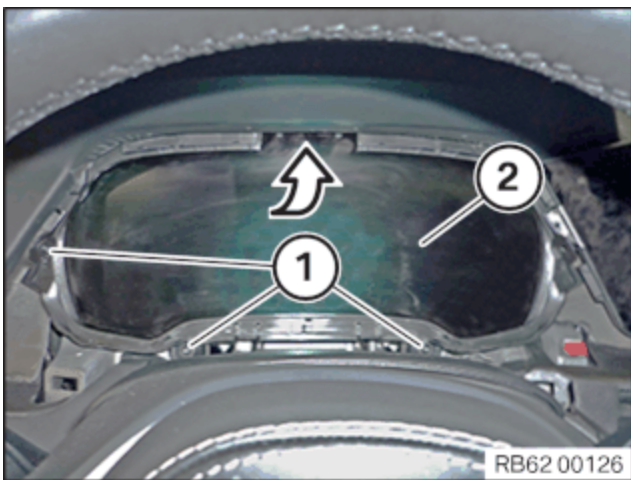
- **If installed:** Connect blue connector at the last and lock.
- Connect and lock connector (1) to the instrument cluster (KOMBI)(2).
- Thread in instrument cluster (KOMBI) (2) in direction of arrow.
- Tighten the screws (1).

### Tightening torques

Instrument cluster (KOMBI) to support

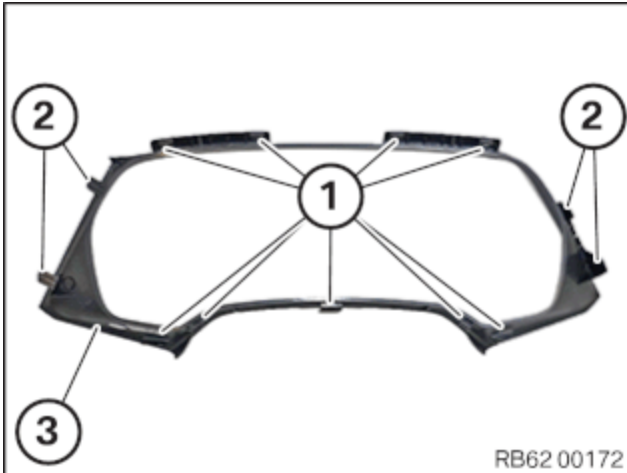
Screw

Tightening torque  
1,8Nm



- Position and lock steering column shroud upper section (1).  
The retaining lugs (2) must engage audibly.

## Install the instrument cluster trim



### Check

- Check the clasps (1) and the guides (2) on the trim panel (3) for damage.

### Result

- » Clasps (1) or guides (2) are damaged.

### Measure

- Renew trim (3).

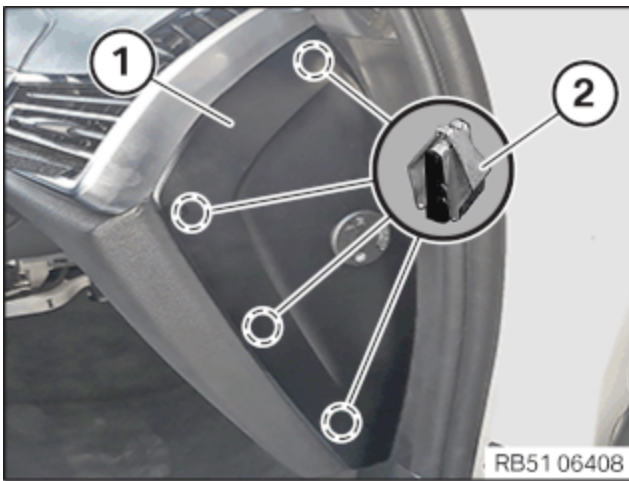
Parts: trim



- Position and clip in trim (1).

## Install the side panel on instrument panel on the right

- Position side panel (1).
- If necessary, connect the plug connection on the switch for front passenger airbag deactivation and lock.
- Feed in the side panel (1) and clip it in at the clamps (2).



## Install the A-pillar trim panel on the left and right



### NOTICE

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

### ► Installing the A-pillar trim panel

Additional information is available.



### WARNING

Pyrotechnic components.

**Danger! Life-threatening injuries!**

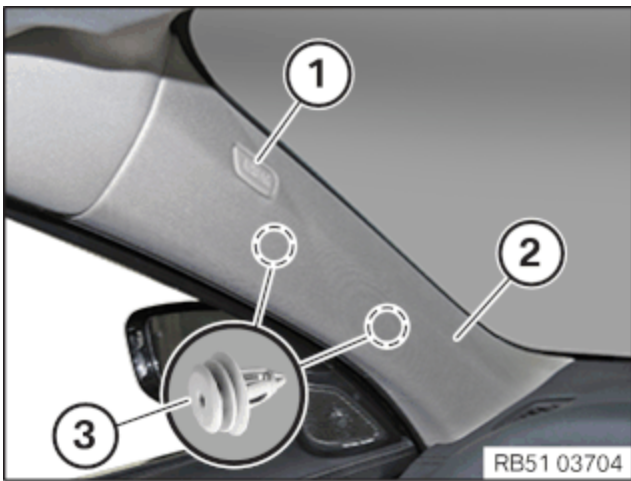
- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see: 72 00 Safety regulations on handling components with gas generators.

- Insert the A-pillar trim panels (2) and clip into the clips (3).
- Tighten down screw.

### Tightening torques

Body pillar trim

Bolt 4,8x38



Tightening torque  
3,0Nm

- Clip in the cover (1).



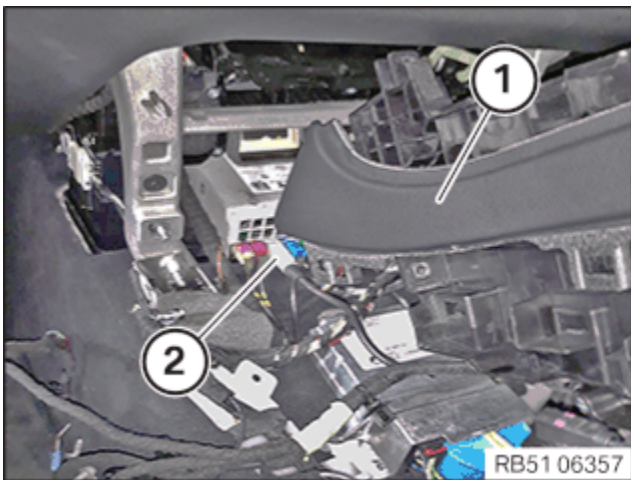
## Installing the centre console

### RISK OF DAMAGE

Scratches.

Tools and sharp-edged components can cause scratches.

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



### TECHNICAL INFORMATION

Conduct the following operation with the assistance of a second person.

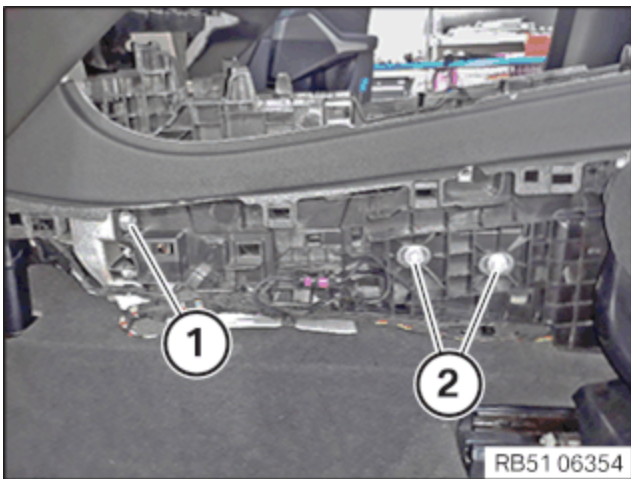
- Position the centre console (1).
- Connect and lock connector (2) on the Head Unit High (HU-H).
- Position and install centre console (1) correctly.  
Guide the rest of the cable in the centre console.

### NOTICE

Perform the operations on the left and right side.

- Tighten nut (1) and screws (2).

## Tightening torques



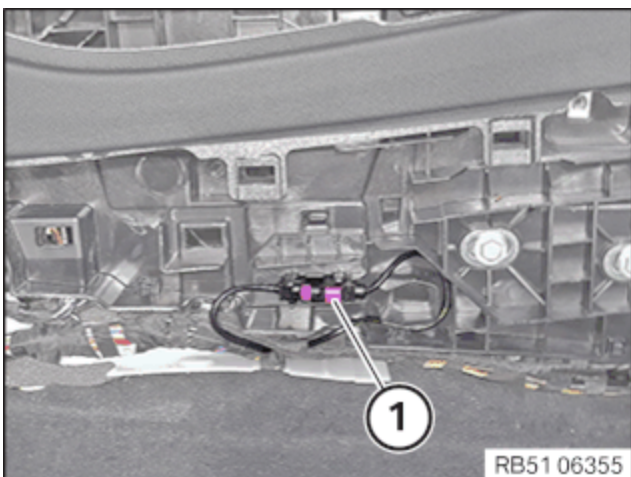
### Centre console to body

M6x16 screw

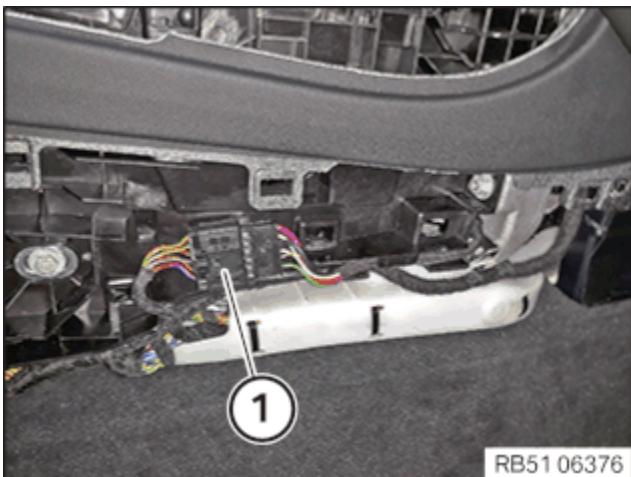
Tightening torque  
4,6Nm

NutM6

Tightening torque  
4,6Nm

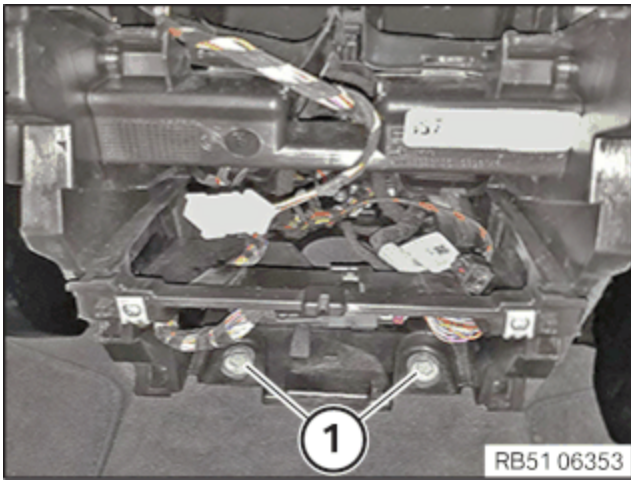
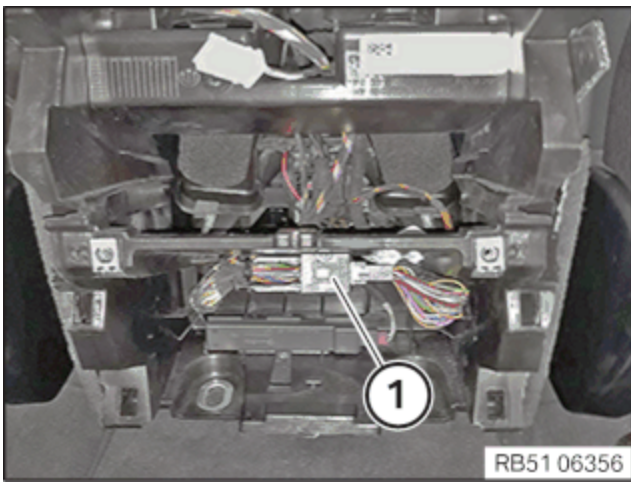


- Connect connectors (1) and lock.



- Connect and lock connector (1) on the right side of the centre console.

- Connect connector (1) and lock.
- Attach the connector (1) to the bracket .



- Carry out only for G05/G06:
- Tighten the screws (1).

### Tightening torques

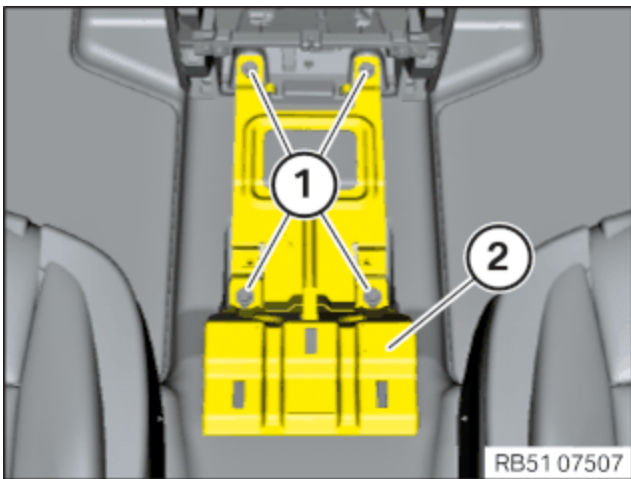
#### Centre console to body

M6x16 screw

Tightening torque  
4,6Nm

NutM6

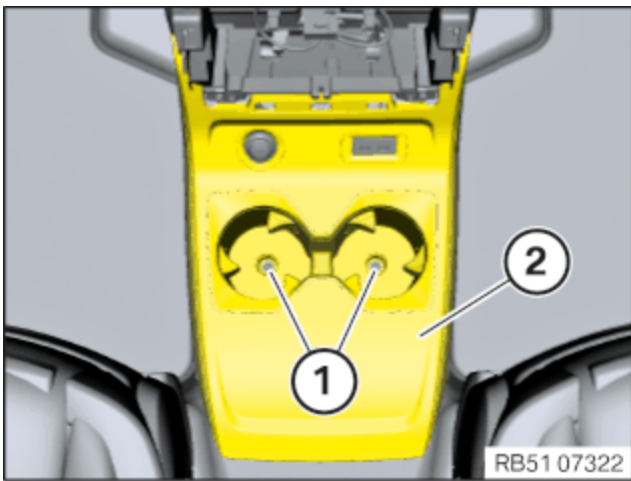
Tightening torque  
4,6Nm



- Carry out only for G07:
- Feed in the cup holder mounting (2) and position correctly.
- Tighten the screws (1).

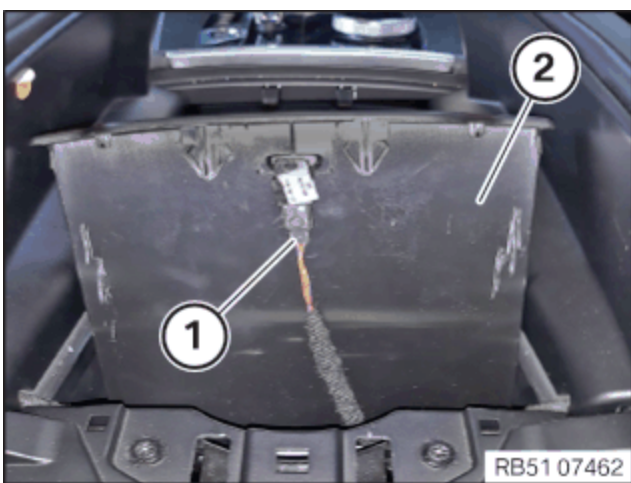
- Carry out only for G07:
- Install cup holder (2) and connect the connector.
- Position cup holder (2) correctly and engage at the clamps at the front.
- Tighten the screws (1).



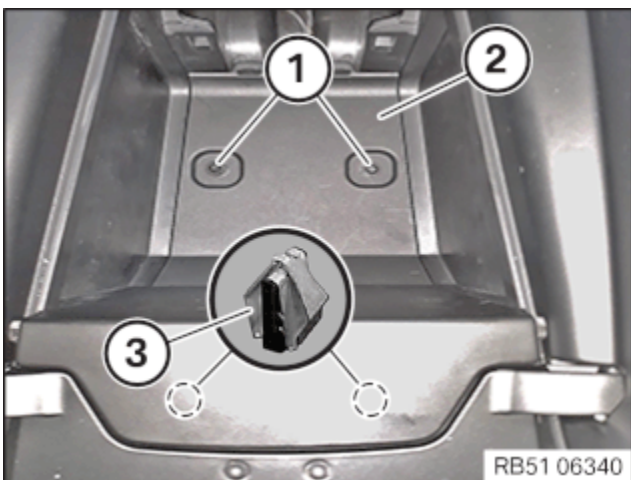


- Install inserts in cup holder (2).

### Partially installing the storage compartment of the centre armrest



- Feed in the storage compartment floor (2) and while doing so, connect the connector (1) where applicable.



- Engage the storage compartment floor (2) in place at the clamps (3).
- Tighten the screws (1).

### Tightening torques

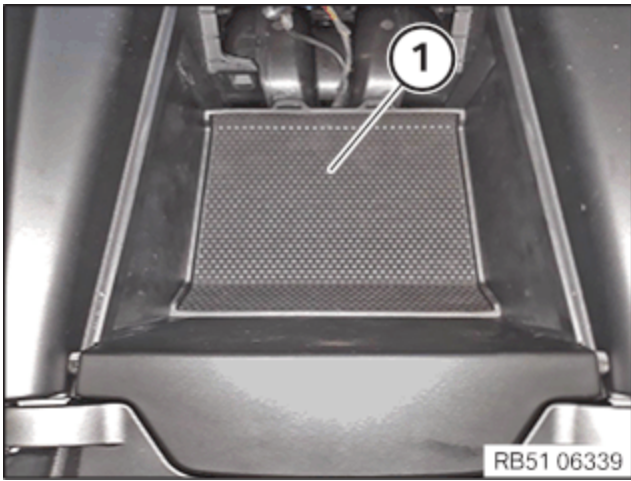
#### Storage compartment to centre console

Oval-head screw

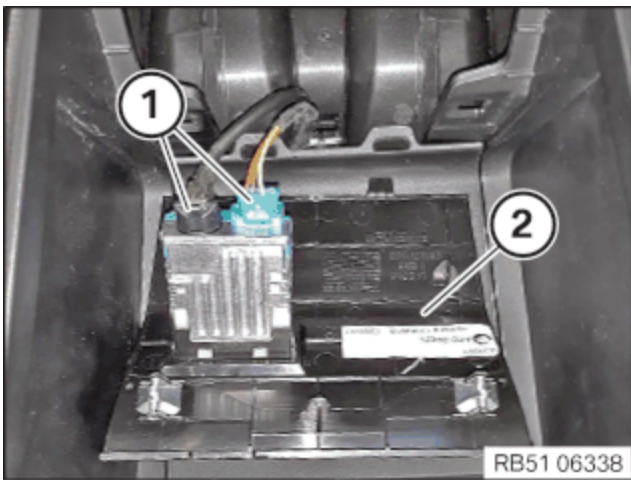
Tightening torque

2,4Nm

- Install the insert (1).



► Installing the trim in the storage compartment of the centre armrest



- Install trim (2).
- Connect connectors (1) and lock.



- Insert the trim (1) into the guides at the bottom and engage with the clamps at the top.



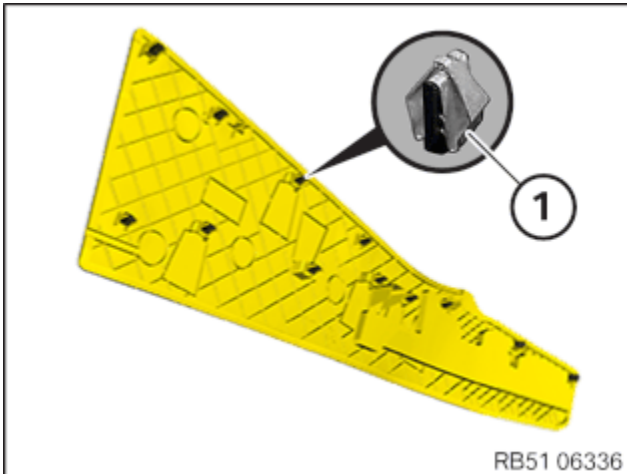
Installing the carpet on the left and right sides of the centre console



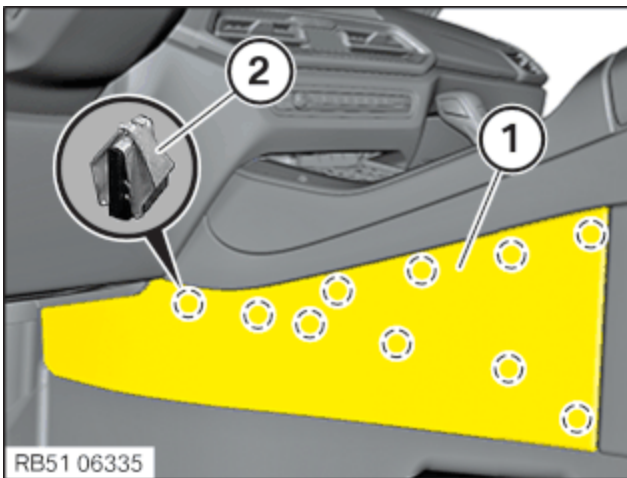
## NOTICE

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

### ► Installing the carpet on the side of the centre console



- Check all clamps (1) for damage; renew if necessary.  
The clamps (1) must not be damaged or missing.

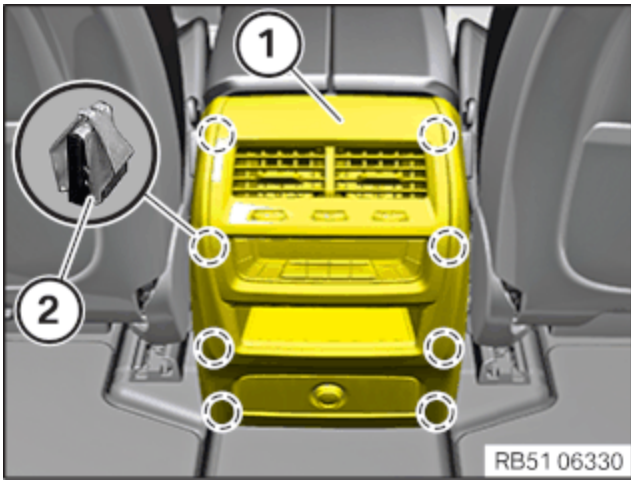


- Clip in the carpet at the side of the centre console (1) starting from the front at the clamps (2) and install.



### Installing the rear centre console trim

- Check clamps (2) for damage; renew if necessary.  
The clamps (2) must not be damaged or missing.
- Position the rear centre console trim (1).
- Connect associated connector.  
The connectors must engage audibly.
- Clip in the centre console trim on the rear (1) at the clamps (2).



**Disconnecting all battery earth leads**  
Additional information is available.



- See additional information.