

**PROCEDURE**

REP 72 12 000, "Removing and installing or replacing airbag module on passenger's side"

**SAFETY INSTRUCTIONS**

It is essential to comply with the regulations as specified relating to the use of explosives when working on airbag units and seat belt tensioners.

Failure to comply with the warning notices and repair instructions for gas generator components can cause accidental deployment and result in injury and vehicle damage.

**Warning!**

**High-voltage system - danger to life!**

The following points must be strictly observed **prior to starting work**:

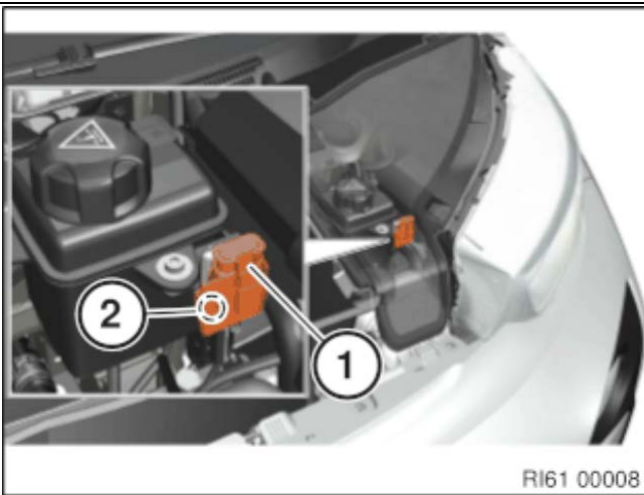
Disconnect [high-voltage system](#) from power.

Observe [safety information](#) for handling electric vehicles.

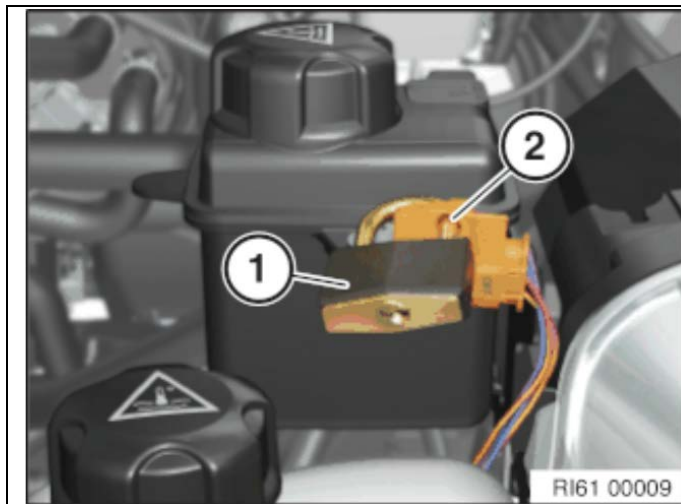
All repair work on high-voltage components may **only be performed by specially trained personnel** (Qualification: work on high-voltage inherently safe vehicles must be performed by qualified technicians). Each electric vehicle requires additional vehicle-specific training with training achievement supervision.

**Preliminary Work:**

- Disconnect the high-voltage system from the power supply.

**Important!**

- The high-voltage safety connector cannot be fully disconnected.
- Unlock the high-voltage safety connector (1) and pull it out until the bore holes (2) on the connector and bushing are fully exposed. The "OFF" label is visible on the high-voltage safety connector.



- Secure the high-voltage system from being switched back on:
- Insert and lock the shackle lock (1) in the exposed bore hole (2) of the high-voltage safety connector (2).

**Important!**

- Store the shackle lock key in a safe place.



**Determine voltage-free status:**

**Warning!**

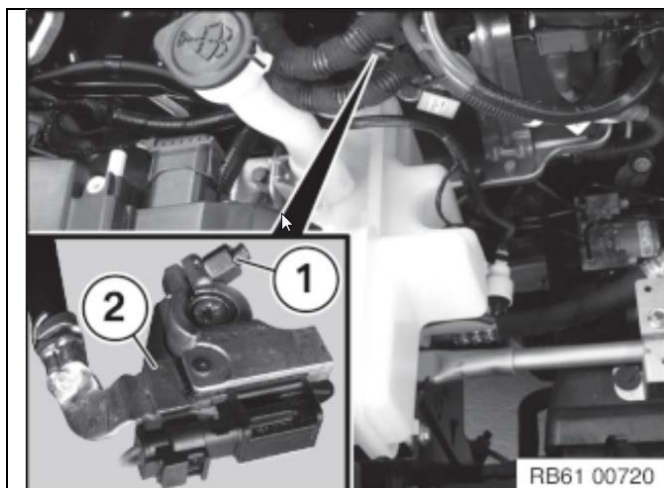
Mandatory steps prior to carrying out further repair work:

- Activate the ignition and check that there is zero voltage in the instrument cluster. Check Control message "High-voltage system deactivated" must be displayed.
- Pay attention to active high-voltage warnings (indicator light, check control, etc.). Determine the cause and correct the problem.

**Note:**

With the ignition off and the high-voltage safety connector disconnected, the standard Check Control message "Hybrid system faulty" is displayed. Zero voltage (high-voltage system switched off) is only displayed with the ignition on.

- Disconnecting and connecting the battery negative lead

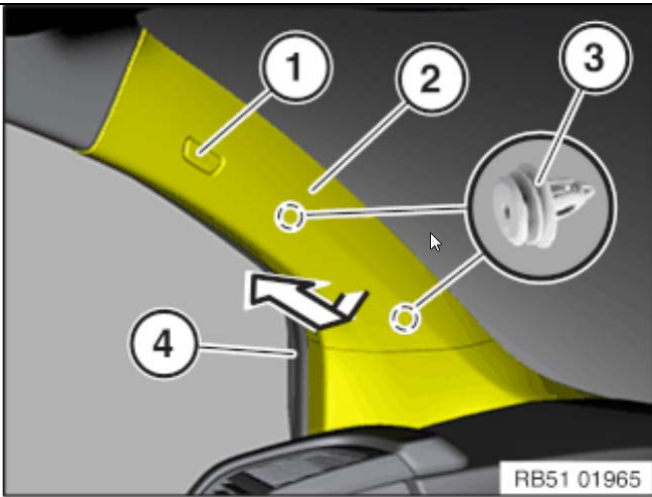


**Important!**

- Do not detach or lever off the intelligent battery sensor (2) from the battery by force **under any circumstances**.
- Loosen the nut (1).
- Remove the intelligent battery sensor (2) from the battery and fix the negative wire to the side.

Tightening torque: 5.0 Nm

- Removing and installing or replacing the trim for the roof pillar at the front (A-pillar), left or right

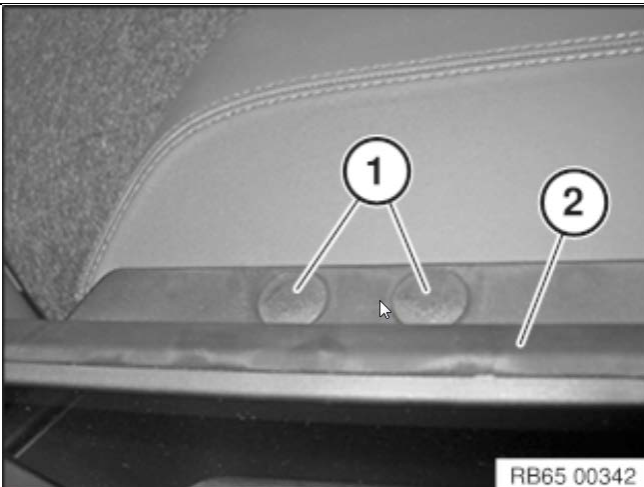


#### Important!

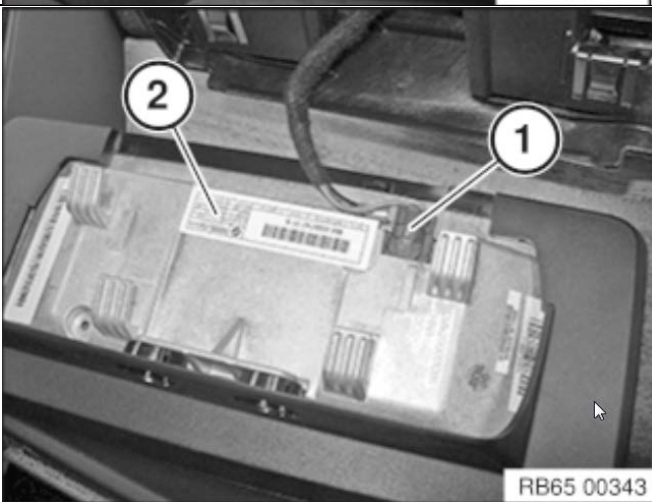
- Do not use any sharp-edged tools to remove the trim panel (risk of damage to the head airbag).
- Lever out the cover (1) and release the screw underneath.
- Release the trim panel (2) inwards from the clips (3).
- Feed out the trim panel (2) upwards from the dashboard.

Tightening torque: 2.3 Nm

- Removing and installing/replacing the Central Information Display (CID)

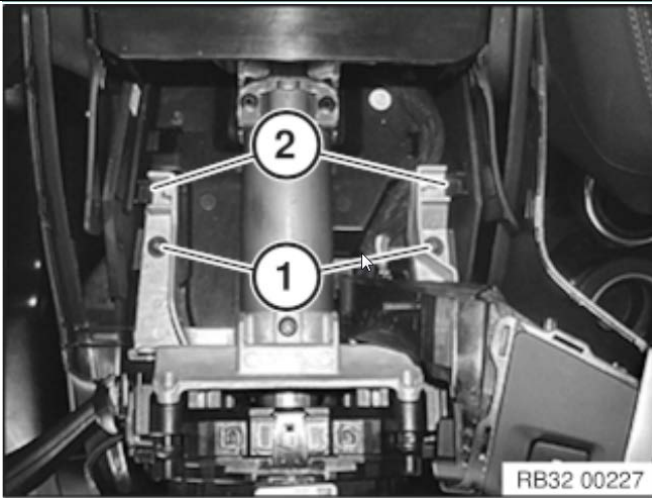


- Lift off the covers (1).
- Release the screws underneath.
- Remove the CID (2) towards the top.

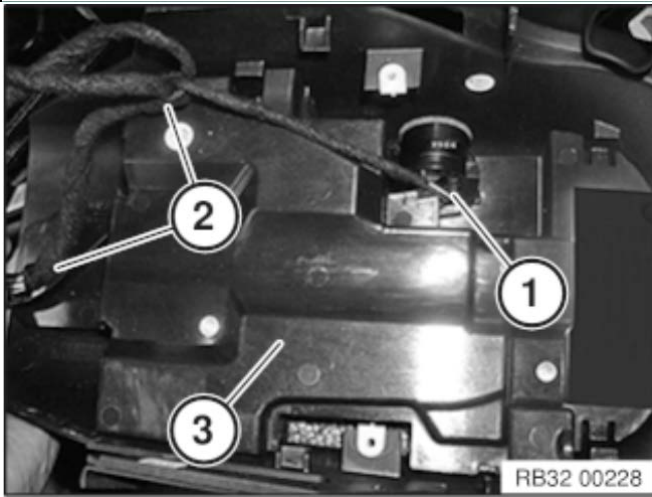


- Unfasten the plug connection (1) and disconnect.
- Remove the CID (2).

- Removing and installing/replacing the lower section of the steering column shroud

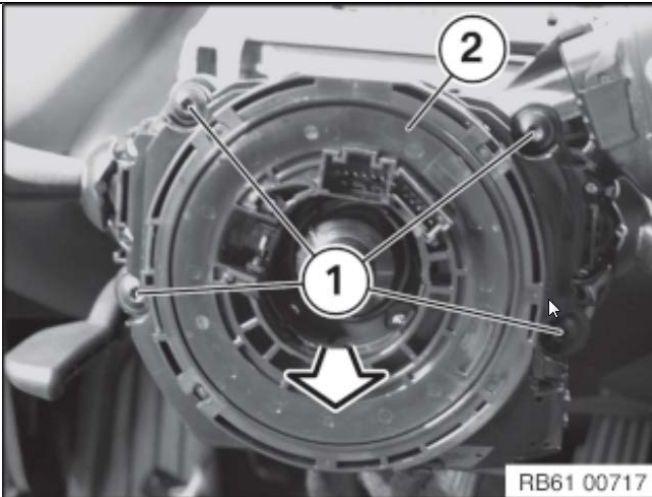


- Release the screws (1).
- Push the retaining lugs (2) outward slightly.
- Unclip the steering column shroud in a downward direction.



- Tilt the steering column shroud in a downward direction.
- Disconnect the ring aerial connector (1).
- Unclip the wiring harness (2).
- Remove the lower section of the steering column shroud (3).

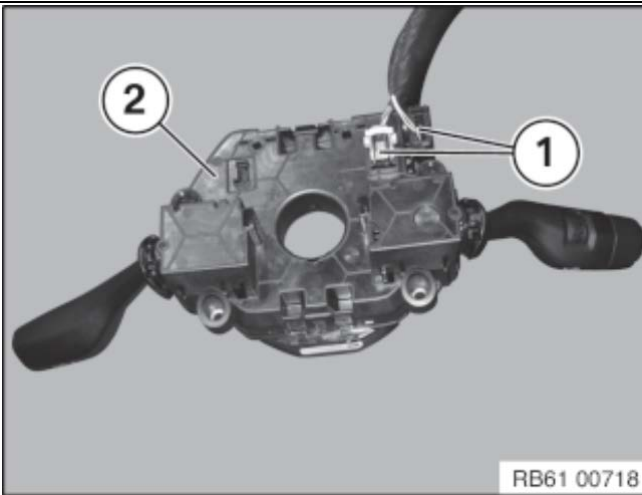
- Removing and installing (replacing) the steering column switch cluster



- Release the screws (1).
- Remove the steering column switch cluster (2) in the direction of the arrow.

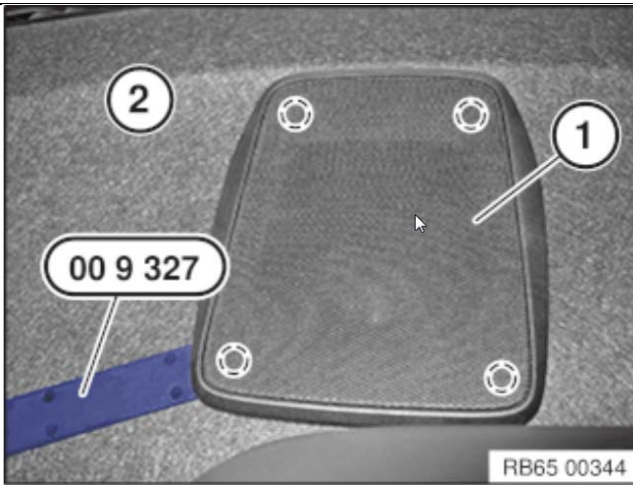
Tightening torque: 6.0 Nm





- Disconnect the plug connection (1).
- Remove the steering column switch cluster (2).

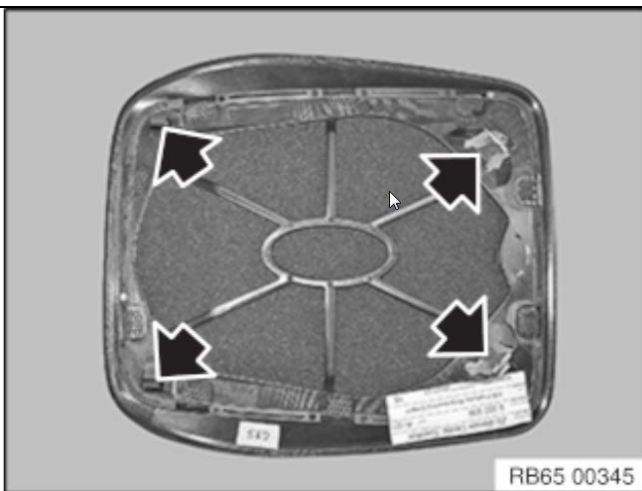
- Removing and installing/replacing the speaker (mid-range speaker, in the instrument panel)



**Special tools required:**

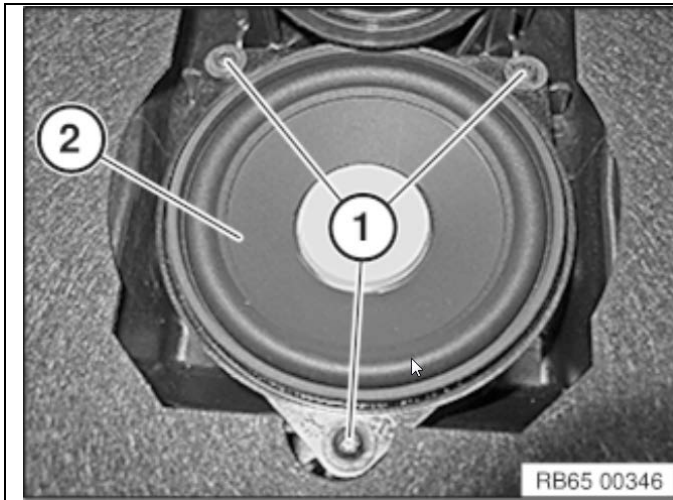
- [00 9 327](#)

Unclip the trim (1) with the special tool from the latch mechanisms and remove upwards.



**Installation note:**

- Retaining lugs and clamps at the marked points must not be damaged.



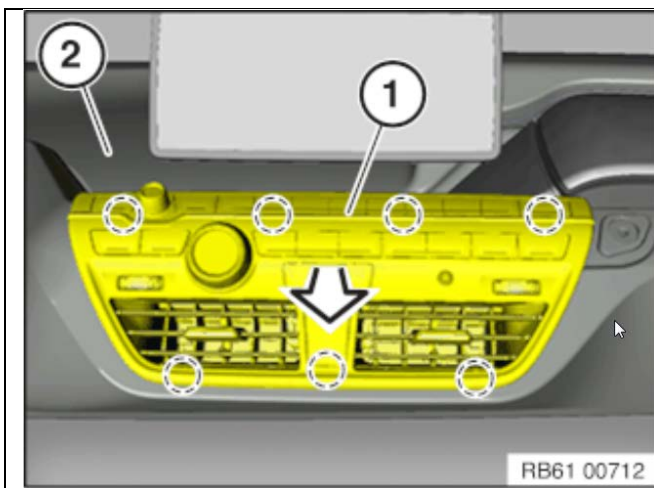
- Release the screws (1).
- Remove the mid-range speaker (2) upwards from the dashboard.
- Disconnect the plug connections underneath.
- Remove the mid-range speaker (2).

Tightening torque: 1.8 Nm

- Removing and installing the radio and A/C control panel

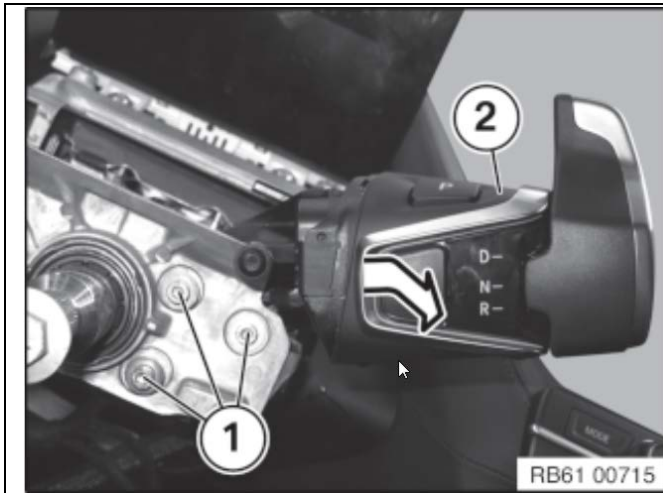


- If necessary, unclip the trim (1) in the direction of the arrow.
- Unlock the associated plug connections and disconnect.



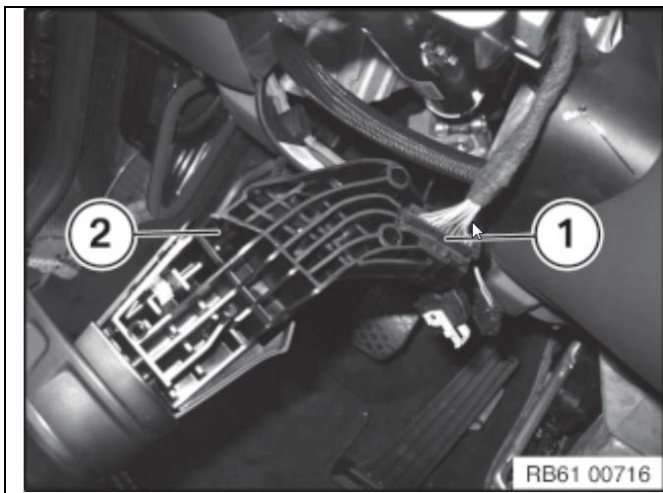
- Carefully unclip the radio and A/C control panel (1) at the marked points.
- Pull the radio and A/C control panel (1) out of the instrument panel trim (2).
- Disconnect the corresponding plug connections and remove the radio and A/C control panel (1).

- Removing and installing/renewing the gear selector switch



- Release the screws (1).
- Remove the gear selector switch (2) in the direction of the arrow.

Tightening torque: 6.0 Nm

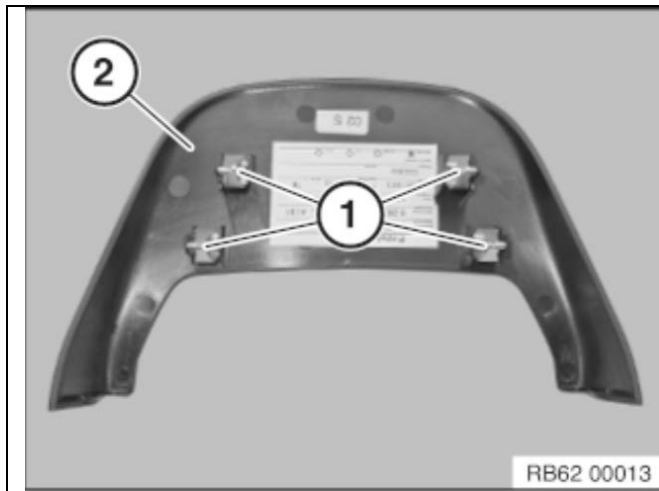


- Unlock and disconnect the plug connection (1) at the gear selector switch (2).

- Removing and installing/replacing the instrument panel

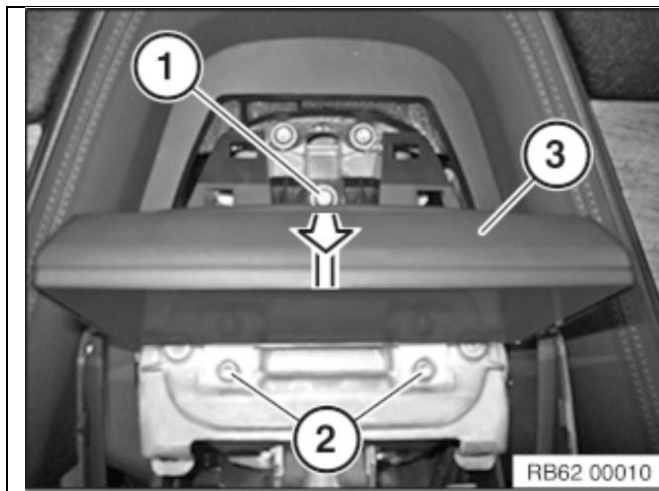


- Unclip the cover (1) in the direction of the arrow.

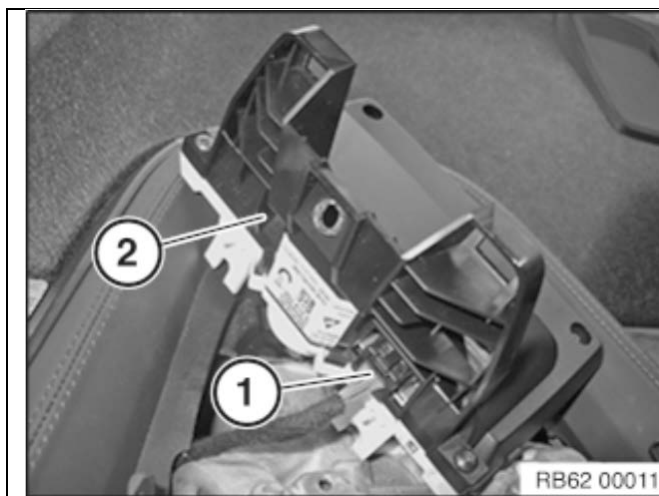


Installation note:

- Clamps (1) on the trim (2) must not be damaged or missing.



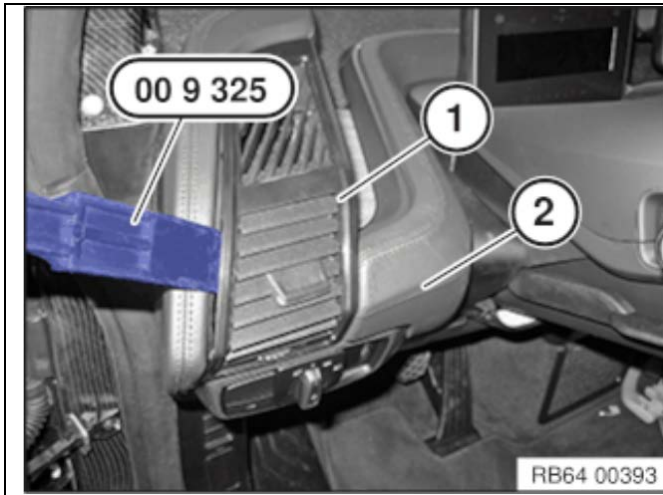
- Release the screw (1).
- Tightening torque: 6.8 Nm
- Slacken the screws (2).
- Tightening torque: 6.8 Nm
- Pry out the instrument panel in the direction of the arrow.



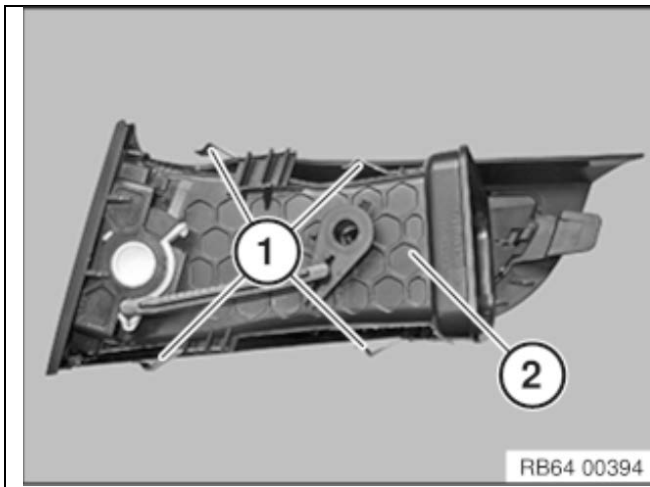
- Disconnect the plug connection (1) and remove the instrument panel (2).

- Removing and installing (replacing) the left fresh air grille





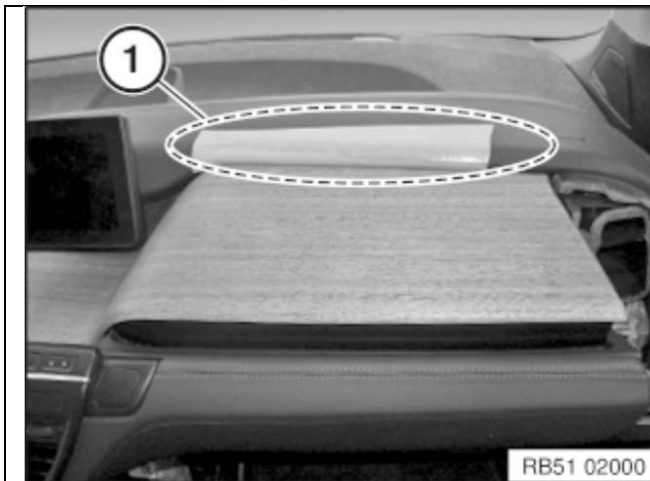
- Lever out the fresh air grille (1) from the dashboard (2) using special tool **00 9 325**.



#### Installation note:

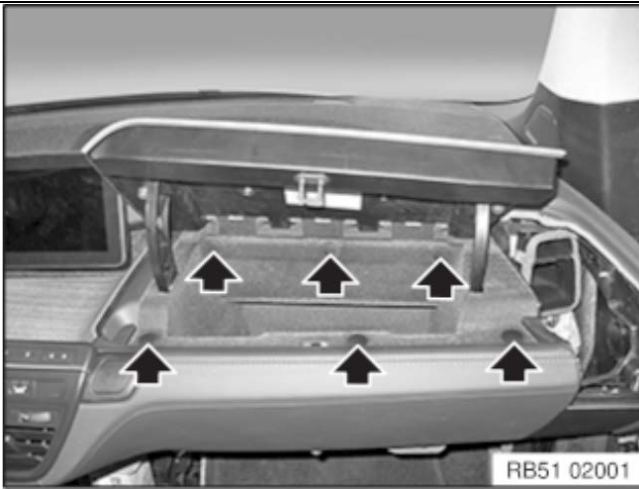
- Latch mechanisms (1) on the fresh air grille (2) must not be missing or bent.

- Removing and installing/replacing the right glove compartment with housing

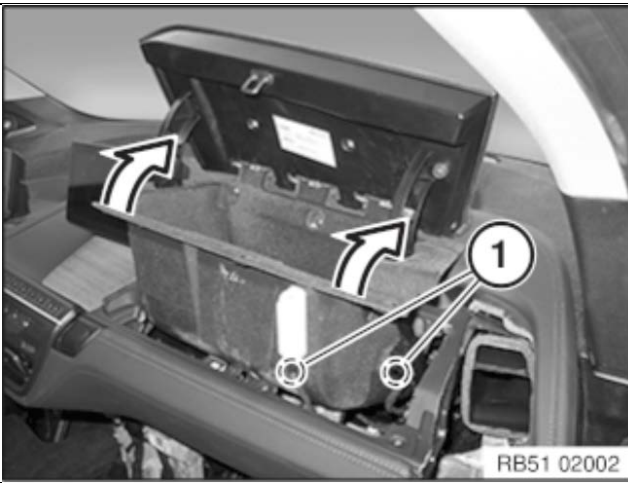


#### Important!

- Risk of damage!
- Mask the dashboard in the area (1) above the glove compartment.

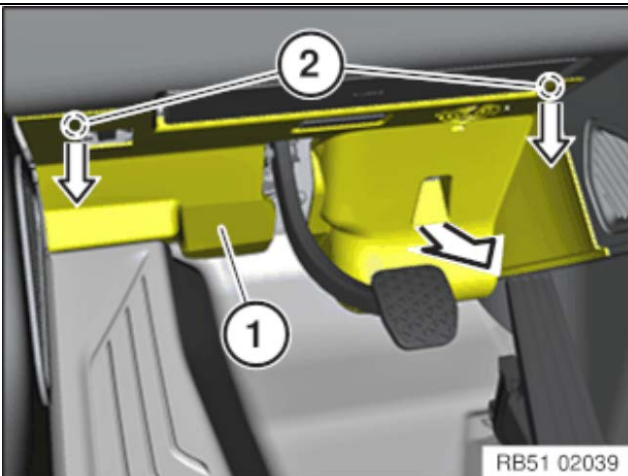


- Open the glove compartment cover.
- Lever out the protective caps and release the screws underneath.

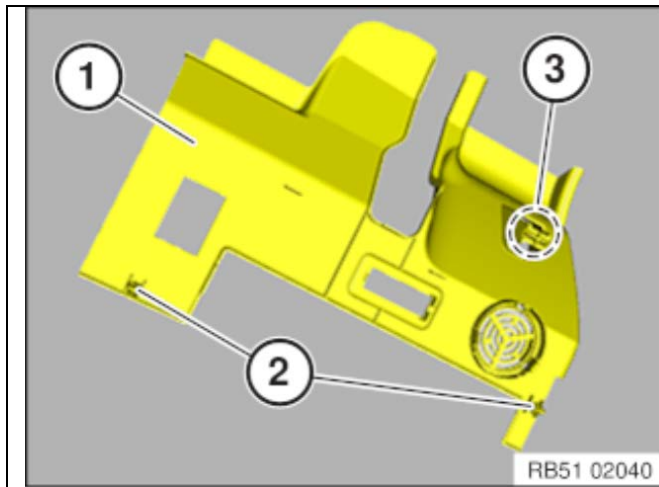


- Pull out the glove compartment by approx. 10 cm.
- Unlock the plug connections (1) and disconnect.
- Remove the glove compartment in the direction of the arrow.

- Removing and installing/replacing the trim panel for the pedal mechanism



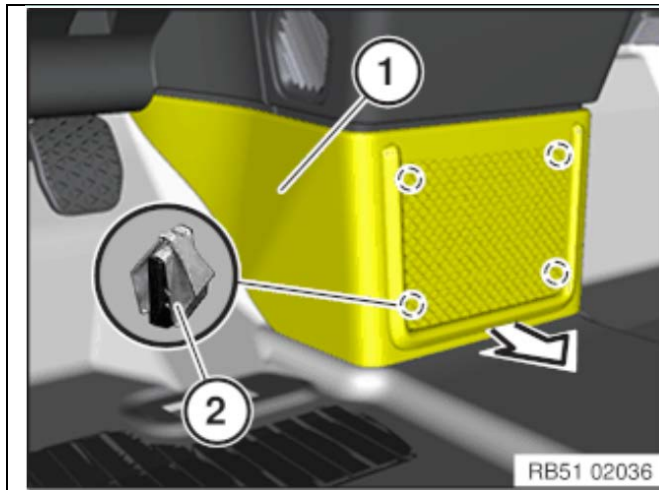
- Unclip the trim panel (1) out of the clamps (2).
- Lower the trim panel (1) slightly and disconnect the plug connections behind.
- Pull out the trim panel (1) towards the rear.



Installation note:

- Clamps (2) and the guide (3) on the trim panel (1) must not be damaged.
- Insert the guide (3) correctly into the corresponding holder on the vehicle.

- Removing and installing/replacing the bottom center instrument panel trim

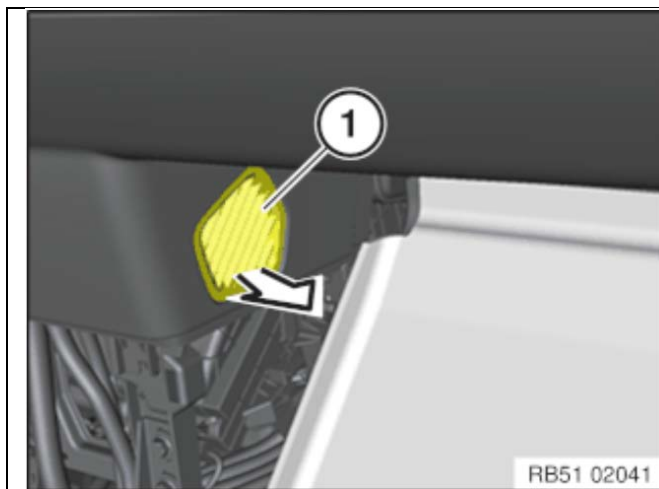


- Pull the trim panel (1) out of the clamps (2) in the direction of the arrow.

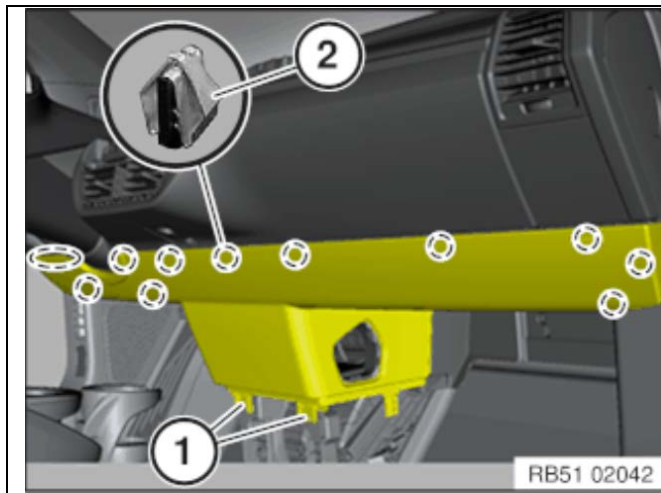
Installation note:

- Replace the faulty clamps (2).

- Removing and installing the center dashboard trim panel



- Pull out the left and right grille (1).

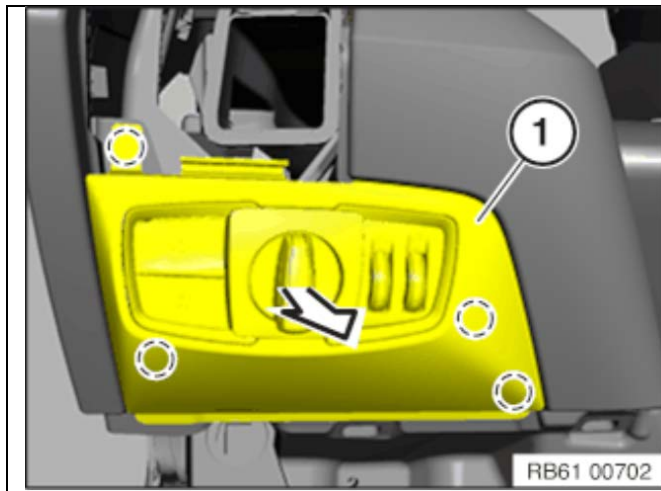


- Release the screws (1).
- Lift the trim panel out of the clamps (2) and remove.

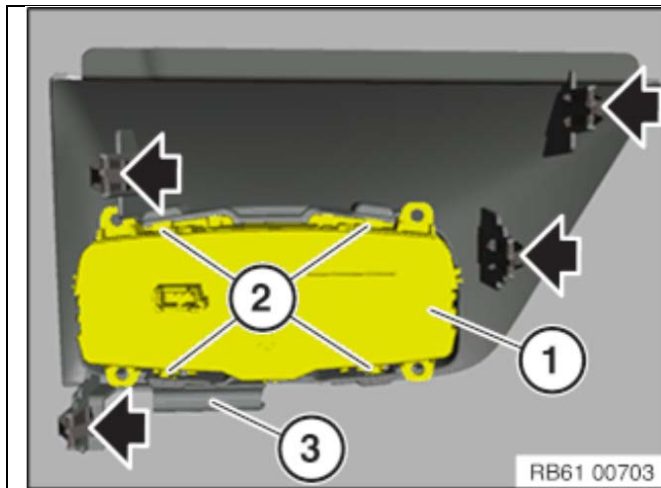
Installation note:

- Replace the faulty clamps (2).

- Removing and installing/replacing the light operating facility



- Unclip the trim with the light operating facility (1).
- Unlock the associated plug connection and disconnect.
- Remove the cover with the lighting operating facility (1).



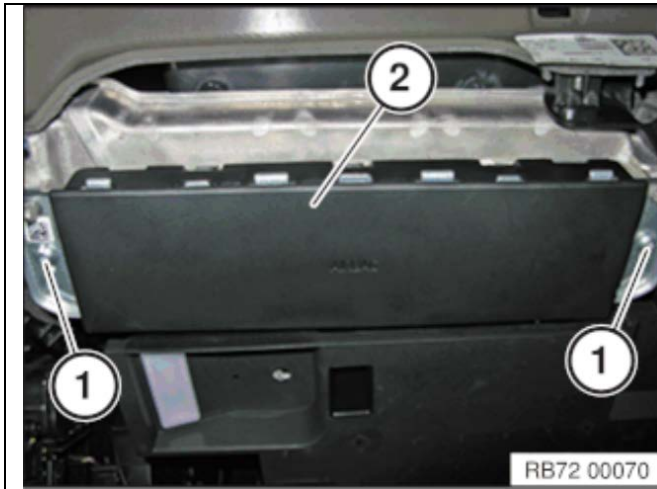
Replacement:

- Release the light operating facility (1) at the latch mechanisms (2) and remove from the trim (3).

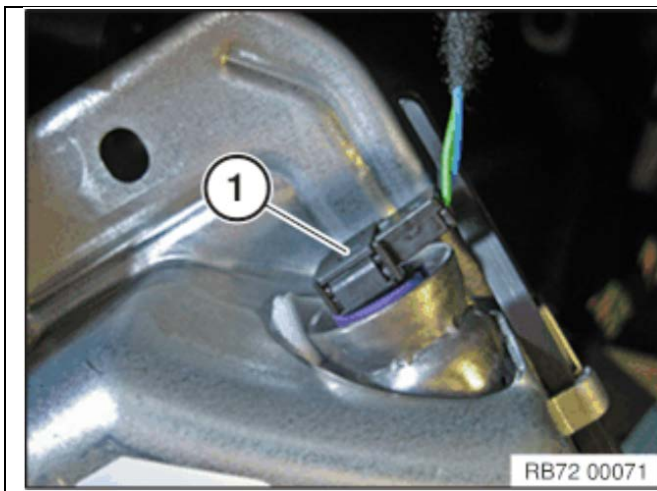
Installation note:

- Ensure the correct latch mechanism of the light operating facility (1) in the trim (3).
- Clamps on the trim (3) must not be damaged or missing.

- Removing and installing/replacing the airbag module for passenger knee protection

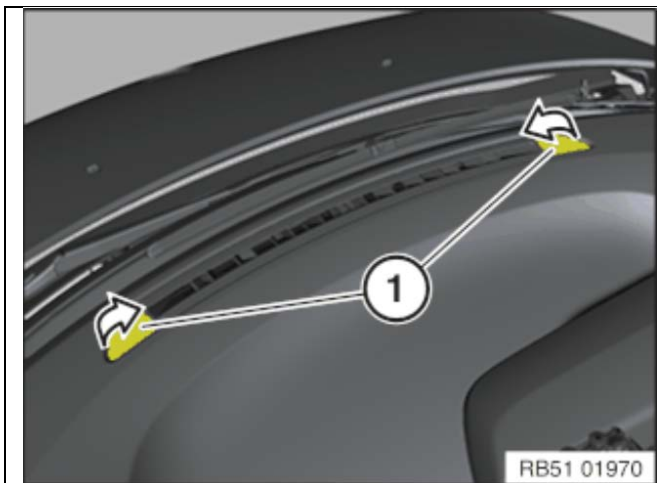


- Release the screws (1).
- Tightening torque: 6.8 Nm
- Airbag module (2) is coded against incorrect assembly.
- Replace the microencapsulated screws.



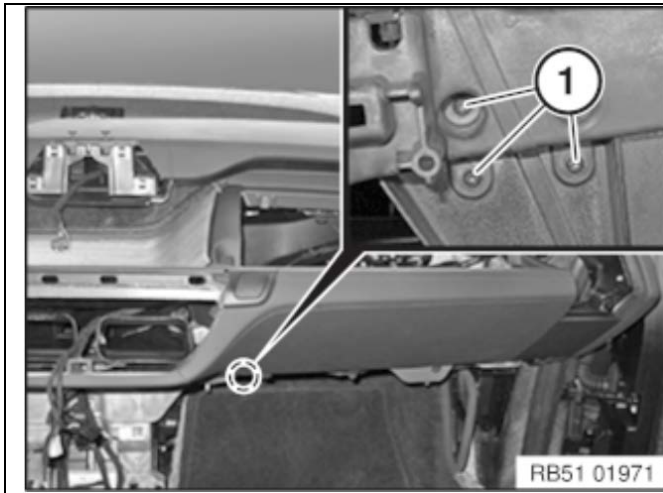
- Unfasten the plug connection (1) and disconnect.

- Removing and installing the instrument panel trim

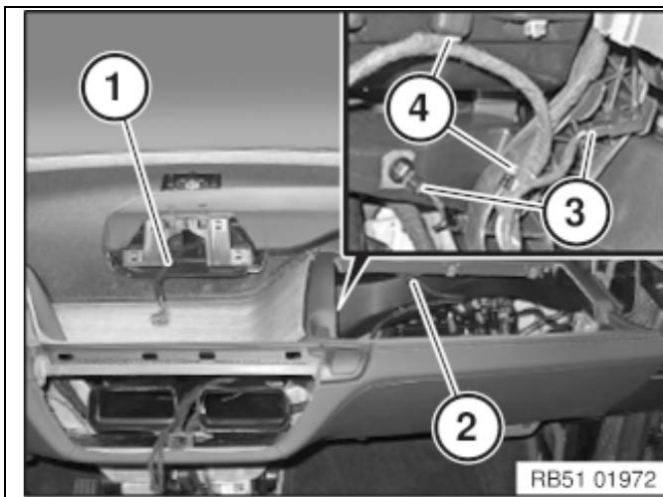


- Lever out the covers (1) and release the screws underneath.





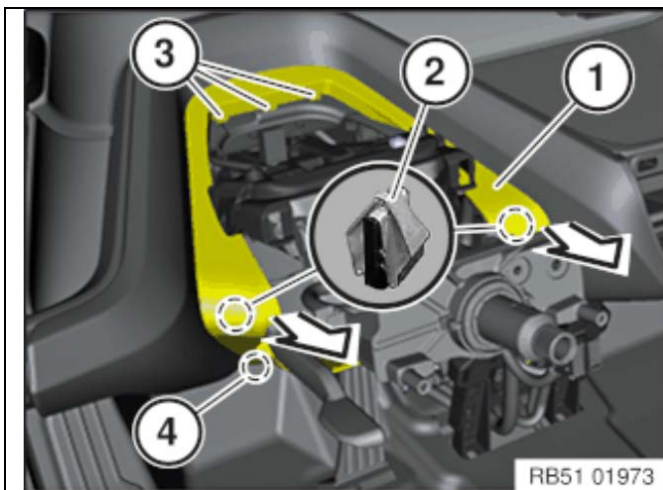
- Release the screws (1).



- Feed back the cable (1).

Note:

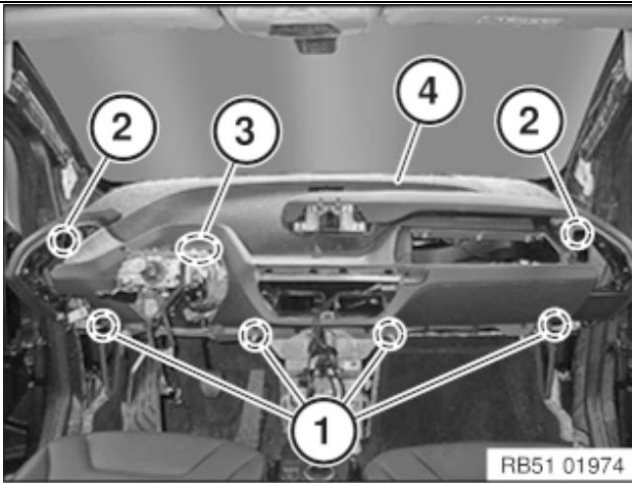
- To make feeding in easier, attach the cable (1) to a string and feed back.
- The string remains in the dashboard.
- Unlock the airbag plug connections (2) and disconnect.
- Unlock the plug connections (3) and disconnect.
- Unfasten the cable strap (4).



- Release the trim (1) from the clamps (2) in the direction of the arrow and feed out.

Installation note:

- Ensure the correct seating of the guides (3 and 4).



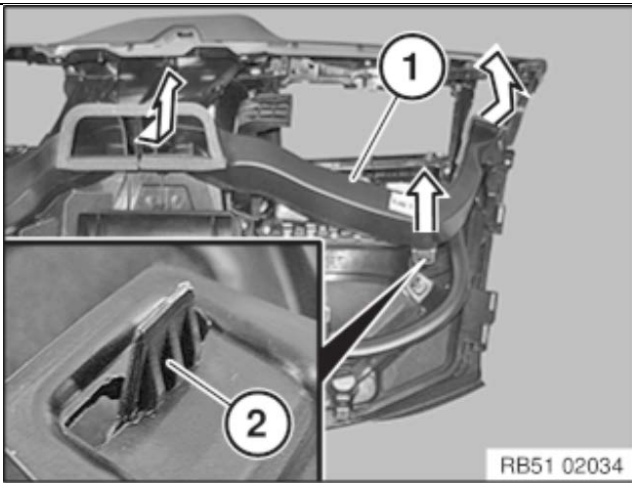
- Release the screws (1) on the dashboard at the bottom.
- Release the screws (2) in the left/right air duct.
- Release the screws (3).
- Tightening torque: **1.8 Nm**
- With the aid of a second person, pull the dashboard (4) towards the rear slightly and feed out the electrical wiring; release further cable clips if necessary.
- Remove the dashboard (4) and feed out all the electrical wires.

Installation note:

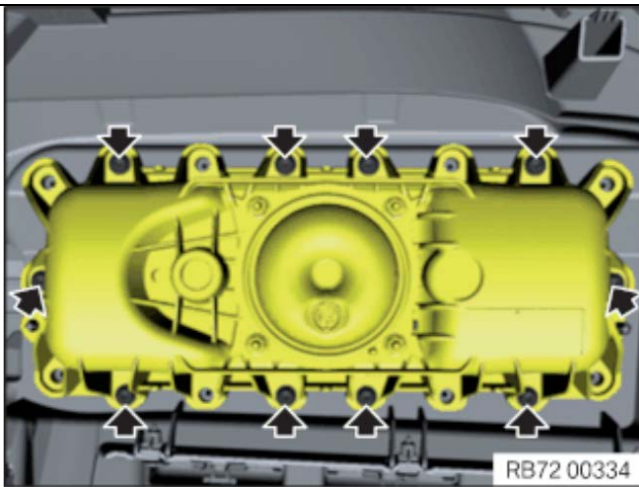
- Make sure all electrical lines are correctly routed.

### Main Works:

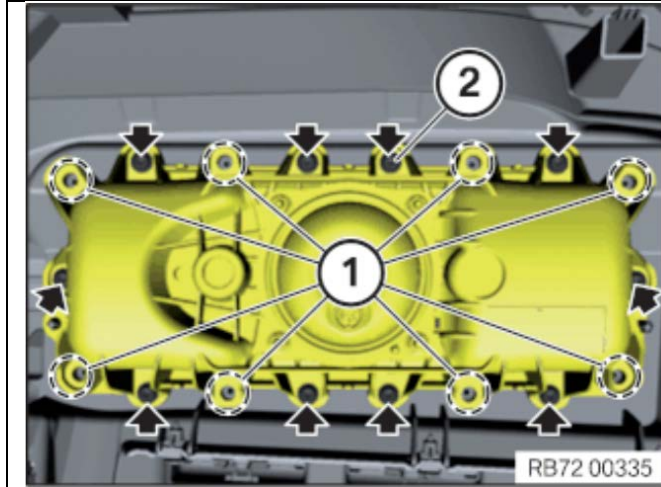
- Removing and installing or replacing the airbag module on the passenger's side



- Lift the right air duct (1) out of the clip (2) and detach in the direction of the arrow.
- Remove the right air duct.



- Release the screws on the airbag module.
- Remove the airbag module from the dashboard.

**Installation:**

- Replace the passenger side airbag module.
- Tightening torque: 3.5 Nm

**Note:**

If the specified torque is not reached at one threaded fastener, the airbag has to be secured additionally at all bolting points (1).

Drill out all bolting points (1).

Diameter 4.7 mm

Depth (including airbag module) 17.5-18.0 mm

Do not reuse a faulty threaded fastener.

If there is more than one faulty threaded fastener, the instrument panel has to be replaced.

**Note:**

Use a clockwise tightening sequence starting at bolt (2).

- Reinstalling the instrument panel trim
- Reinstall the instrument panel storage compartment
- With ISTA, clear all faults.