

WD27 - Checking and Reworking Roof Assembly (Workshop Campaign)

Vehicle Type: **Carrera (991) / Carrera S (991)**
Carrera 4 (991) / Carrera 4S (991)

Model Year: **As of 2012 up to 2013**

Concerns: **Roof assembly**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **There is a possibility that the adhesive material on the affected vehicles was not fitted in accordance with the instructions due to a manufacturing problem.**

As a result, noises can occur in the roof-assembly area over the service life of the vehicle.

Action Required: Check the roof-assembly bonding and rework it if necessary.

Affected Vehicles: The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper repair. This campaign affects 19 vehicles in North America.

Parts Info: **NOTE: PARTS WILL NOT BE AUTO ALLOCATED TO YOUR DEALERSHIP. PLEASE SUBMIT A PTEC/PAV FOR PARTS YOU REQUIRE.**

Part No.	Designation	Qty. (ea.)	Roof assembly	
			I-no. 652 (without slide/tilt roof)	I-no. 651/653 (slide/tilt roof)
000.043.303.19	⇒ Glazing adhesive set	1	■	■
991.566.945.00	⇒ Set of fastening parts	1		■
5N0.880.385	⇒ Clip airbag	2	■	■
999.507.839.01	⇒ Clamp	4	■	■
999.507.195.40	⇒ Expanding spring	2	■	■
999.209.084.40	⇒ Spacer	4	■	■
991.566.923.00	⇒ Trim seal (front left)	1		■
991.566.924.00	⇒ Trim seal (front right)	1		■

991.566.927.00	⇒ Trim seal (rear left)	1		■
991.566.928.00	⇒ Trim seal (rear right)	1		■
991.566.901.00	⇒ Roof seal (left)	1	■	
991.566.902.00	⇒ Roof seal (right)	1	■	

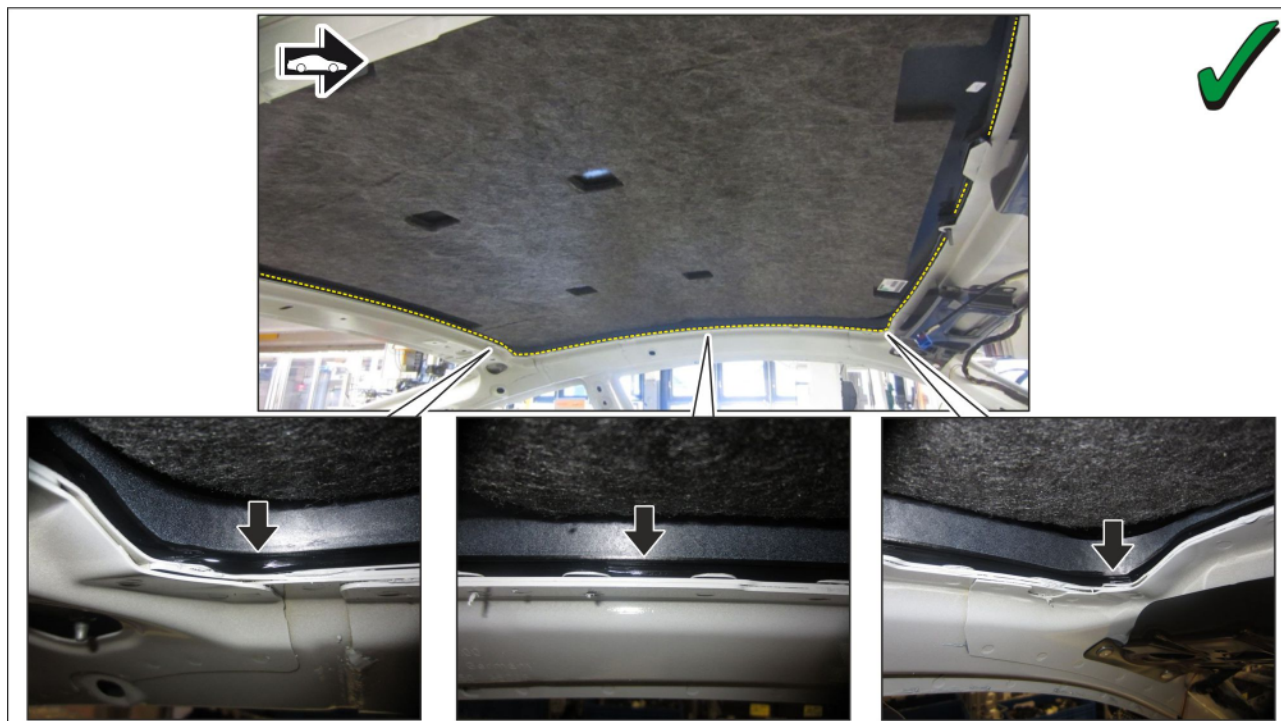
Materials: Clean, lint-free cloth
Cleaning solution

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B".

Attachment "A": Checking and reworking roof assembly (I-no. 652 - without slide/tilt roof)

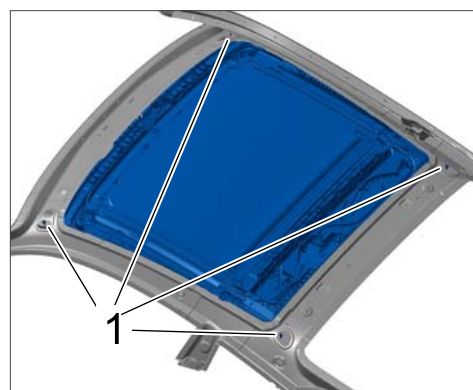
- Work Procedure: 1 Remove headliner ⇒ *Workshop Manual '708419 Removing and installing headliner - section on "Removing"*
- 2 Check that the adhesive bead ⇒ *Roof-assembly bonding (without slide/tilt roof) -arrows-* is visible along the entire length between roof assembly and bodyshell flange.



Roof-assembly bonding (without slide/tilt roof)

- **If** there is no adhesive bead along the entire length between roof and bodyshell, the roof has to be re-affixed using 2-component adhesive. ⇒ **Continue** with **Step 3**
- **If** there is an adhesive bead along the entire length, re-install the headliner. ⇒ **Continue** with **Step 5**.

- 3 Unscrew fastening nuts ⇒ *Fastening nuts on roof assembly -1-* on the roof assembly at front and rear.
- 4 Install roof assembly with new roof joint cover strip as described in the Workshop Manual.
⇒ *Workshop Manual '600655 Removing and installing roof assembly (full roof) - section on "Installing"*
⇒ *Workshop Manual '663619 Removing and installing roof joint cover strip - section on "Installing"*
- 5 Install headliner ⇒ *Workshop Manual '708419 Removing and installing headliner - section on "Installing"*
- 6 Enter the workshop campaign in the Warranty and Maintenance booklet.



Fastening nuts on roof assembly

Attachment "A": Checking and reworking roof assembly (I-no. 651/653 - slide/tilt roof)

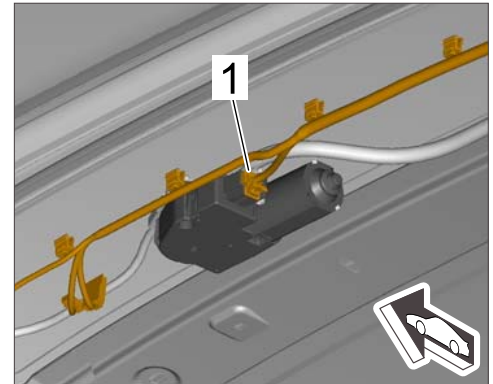
- Work Procedure: 1 Remove headliner ⇒ *Workshop Manual '708419 Removing and installing headliner - section on "Removing"*
- 2 Check that the inner adhesive bead ⇒ *Roof-assembly bonding (slide/tilt roof) -arrow-* is visible along the entire length between roof assembly and bodyshell flange.



Roof-assembly bonding (slide/tilt roof)

- **If** there is no adhesive bead along the entire length between roof and bodyshell, the roof has to be re-affixed using 2-component adhesive. ⇒ **Continue** with **Step 3**
 - **If** there is an adhesive bead along the entire length, re-install the headliner. ⇒ **Continue** with **Step 8**.
- 3 Remove sliding-roof panel ⇒ *Workshop Manual '604019 Removing and installing sliding-roof panels - section on "Removing"*.

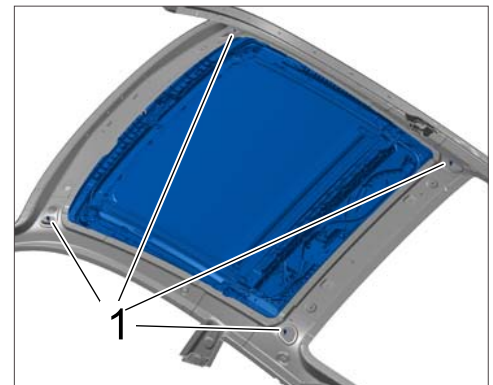
- 4 Release ⇒ *Disconnecting electric plug connection -1-* and unplug electric plug connections.



Disconnecting electric plug connection

- 5 Unscrew fastening nuts ⇒ *Fastening nuts on roof assembly -1-* on the roof assembly at front and rear.

- 6 Install roof assembly (slide/tilt roof) with new seals for roof assembly as described in the Workshop Manual.
⇒ *Workshop Manual '602855 Replacing sliding-roof frame - section on "Installing"*
⇒ *Workshop Manual '605419 Removing and installing seal for roof assembly - section on "Installing"*



Fastening nuts on roof assembly

- 7 Install sliding-roof panel ⇒ *Workshop Manual '604019 Removing and installing sliding-roof panels - section on "Installing"*.

- 8 Install headliner ⇒ *Workshop Manual '708419 Removing and installing headliner - section on "Installing"*

- 9 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B"

Claim Submission - Workshop Campaign WD27

Warranty claims should be submitted via WWS/PQIS.

Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Scope 1: **Checking roof assembly – no subsequent work is necessary.**

Working time:

Checking roof assembly

Labor time: **121 TU**

Includes:

- Loosening and fastening A-pillar trim pane
- Loosening and fastening B-pillar trim panel
- Loosening and fastening C-pillar trim panel
- Removing and installing headliner
- Removing and installing rear roof trim panel
- Removing and installing sun visor
- Removing and installing front roof trim panel

Parts required:

5N0.880.385	Clip airbag	2 ea.
999.507.839.01	Clamp	4 ea.
999.507.195.40	Expanding spring	2 ea.
999.209.084.40	Spacer	4 ea.

⇒ **Damage Code WD27 066 000 1**

Scope 2:

Checking the roof assembly and restoring the bonding all the way between bodyshell and roof assembly.**Only valid for vehicles with I-no. 652 (without slide/tilt roof)****Working time:**

Checking and reworking roof assembly

Labor time: **360 TU**

Includes:

- Loosening and fastening A-pillar trim pane
- Loosening and fastening B-pillar trim panel
- Loosening and fastening C-pillar trim panel
- Removing and installing headliner
- Removing and installing rear roof trim panel
- Removing and installing sun visor
- Removing and installing front roof trim panel
- Removing and installing roof joint cover strip
- Removing and installing roof assembly (full roof)

Parts required:

000.043.303.19	Glazing adhesive set	1 ea.
5N0.880.385	Clip airbag	2 ea.
999.507.839.01	Clamp	4 ea.
999.507.195.40	Expanding spring	2 ea.
999.209.084.40	Spacer	4 ea.

991.566.901.00	Roof seal (left)	1 ea.
991.566.902.00	Roof seal (right)	1 ea.
⇒ Damage Code WD27 066 000 1		

Scope 3: **Checking the roof assembly and restoring the bonding all the way between bodyshell and roof assembly.**

Only valid for vehicles with I-no. 651/653 (exterior slide/tilt roof)

Working time:		
Checking and reworking roof assembly		Labor time: 367 TU
Includes:	<ul style="list-style-type: none"> Removing and installing slide/tilt-roof panel Loosening and fastening A-pillar trim panel Loosening and fastening B-pillar trim panel Loosening and fastening C-pillar trim panel Removing and installing headliner Removing and installing rear roof trim panel Removing and installing sun visor Removing and installing front roof trim panel Removing and installing seal for roof assembly Removing and installing sliding-roof frame 	
Parts required:		
000.043.303.19	Glazing adhesive set	1 ea.
991.566.945.00	Set of fastening parts	1 ea.
5N0.880.385	Clip airbag	2 ea.
999.507.839.01	Clamp	4 ea.
999.507.195.40	Expanding spring	2 ea.
999.209.084.40	Spacer	4 ea.
991.566.923.00	Trim seal (front left)	1 ea.
991.566.924.00	Trim seal (front right)	1 ea.
991.566.927.00	Trim seal (rear left)	1 ea.
991.566.928.00	Trim seal (rear right)	1 ea.
⇒ Damage Code WD27 066 000 1		

- References:
- ⇒ Workshop Manual '600655 Removing and installing roof assembly (full roof)'
 - ⇒ Workshop Manual '604019 Removing and installing sliding-roof panel'
 - ⇒ Workshop Manual '605419 Removing and installing seal for roof assembly'

- ⇒ Workshop Manual '663619 Removing and installing roof joint cover strip'
 ⇒ Workshop Manual '708419 Removing and installing headliner'

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