Windshield Water Ingress in the Area of the Front Overhead Console (34/26)

Model Line: **Macan (XAB)**

Model Year: **As of 2024 up to 2026**

Concerns: **Windshield**

Information: **The customer complains about water ingress in the area of the front overhead console.**

Cause: In rare cases, a leak can occur due to faulty bonding of the windshield in the overhead console area.

Action: If there is a customer complaint, check the bonding in the area of the front overhead console using a water test or with a fog machine and rework the bonding of the windshield if necessary.

Required tools

Tools:

- Disassembly wedges, e.g. **VAS 895 015 - Disassembly wedges**
- Fog machine, commercially available **or** plastic bottle with an angled spray tube, commercially available
- Workshop vacuum cleaner/vacuum cleaner, commercially available

Preparatory work

Work Procedure:

1 Remove the front overhead console.
⇒ *Workshop Manual '708319 Removing and installing front overhead console (J528)'*

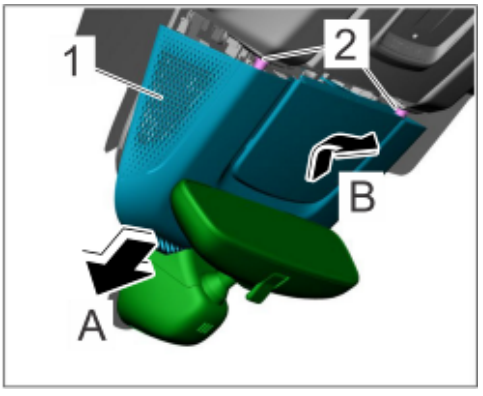
2 Remove top cover ⇒ *Top interior mirror cover* **-1-**.

2.1 Unclip top cover ⇒ *Top interior mirror cover* **-1-** downwards.

2.2 Pull top cover ⇒ *Top interior mirror cover* **-1-** out of guide bolt ⇒ *Top interior mirror cover* **-2-** ⇒ *Top interior mirror cover* **-Arrow A-** .

2.3 Remove top cover ⇒ *Top interior mirror cover* **-1-** ⇒ *Top interior mirror cover* **-Arrow B-** .

3 Remove windshield trim frame at the left and right.
⇒ *Workshop Manual '666119 Removing and installing windscreen trim frame'*



Top interior mirror cover

4 Hang workshop vacuum hose through rear door window and seal with adhesive tape. ⇒*Rear door window*

Rear door window

Checking bonding in the area of the front overhead console

Information

You will need a second mechanic to help you carry out the following handling steps.

- Mechanic 1: Diagnostics within the vehicle
- Mechanic 2: Diagnostics outside the vehicle

All doors and windows of the vehicle must be closed during testing/vacuum generation.

Work Procedure:

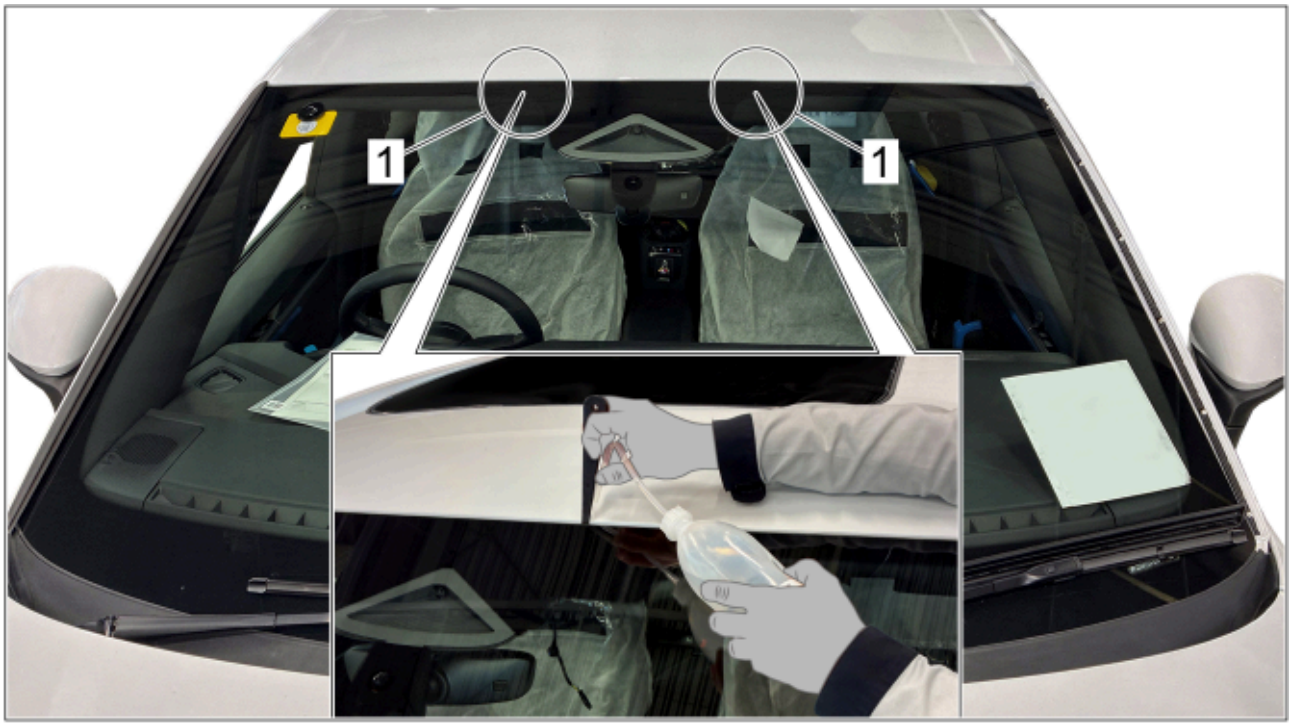
1 Start workshop vacuum cleaner to generate vacuum.

2 **Test with fog machine:** Blow in fog sideways via the upper corners of the windshield ⇒ *Test with fog* **-1-**.

Test with fog

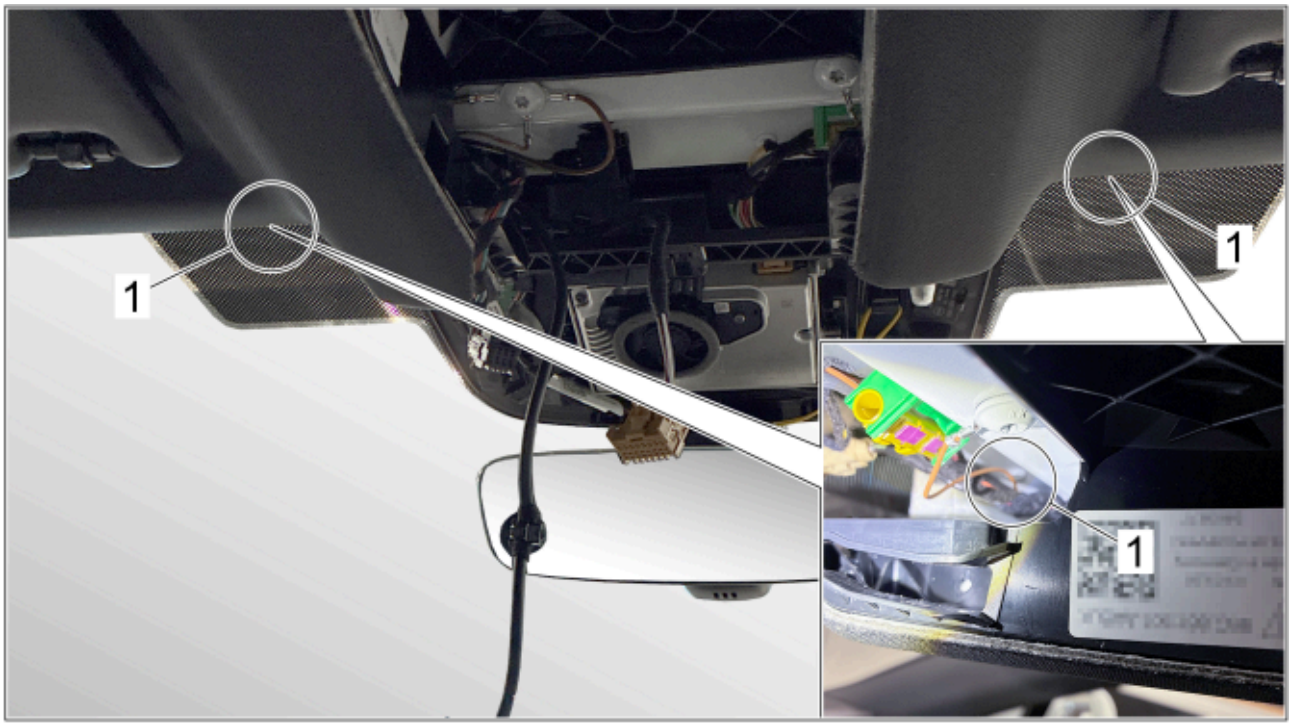
3 **Test with water:** Fill water in the area ⇒ *Test with water* **-1-** behind the dust seal.

To do this, lift the dust seal slightly off the body using a plastic wedge and insert the water between the dust seal and the body.



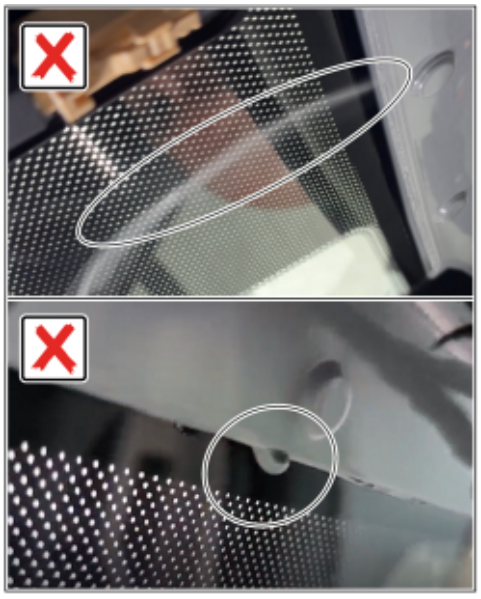
Test with water

4 Check and evaluate bonding at the rivet points⇒ *Bonding test area* **-1-** in the front overhead console area.
The test takes place through the opening of the overhead console. Lift roof trim panel**slightly** in the windshield area if necessary.



Bonding test area

Assessment		Action
(✓)	There ⇒*Bonding test area* **-1-** is **no** fog or water ingress in the area of the riveting points on both sides.	Windshield bonding is OK. ▪ Install windshield trim frame at the left and right. ▪ Install cover, top ▪ Install front overhead console ▪ Remove workshop vacuum cleaner hose from rear door window and remove adhesive residues Continue troubleshooting elsewhere. **End of action.**
(✗)	Fog or water ingress ⇒*Bonding test area* **-1-** is detected in the area of the riveting points. ⇒*Fog or water ingress on bonding*	Windshield **bonding is not OK**. Continue with:



Fog or water ingress on bonding

⇒ *Technical Information '666119 Reworking windscreen bonding'*

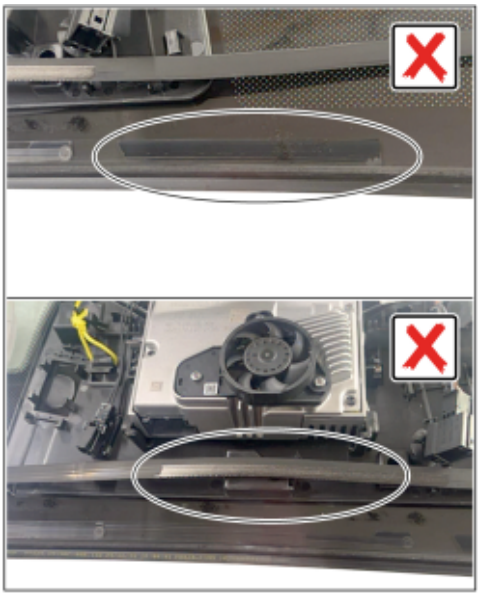
Reworking windshield bonding

Work Procedure: 1 Remove windshield, but do not cut back residual adhesive material yet.
⇒ *Workshop Manual '641219 Removing and installing windscreen'*

2 Check residual adhesive material on the windshield and body and ensure that there is full-surface adhesion to the windshield and body.
If this is not the case, remove loose residual adhesive material in accordance with the repair instructions.

Information
The residual adhesive material helps the new window adhesive to stick.

It must be ensured that there is a full bond between the residual adhesive material and the windshield or body.



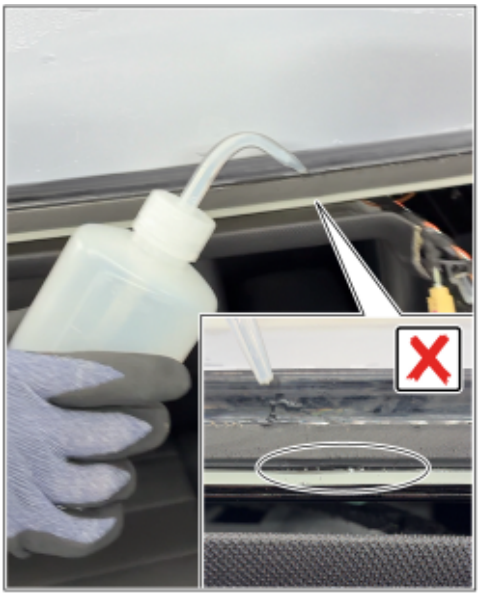
Windshield adhesion is not OK

Carry out a water sample if necessary.

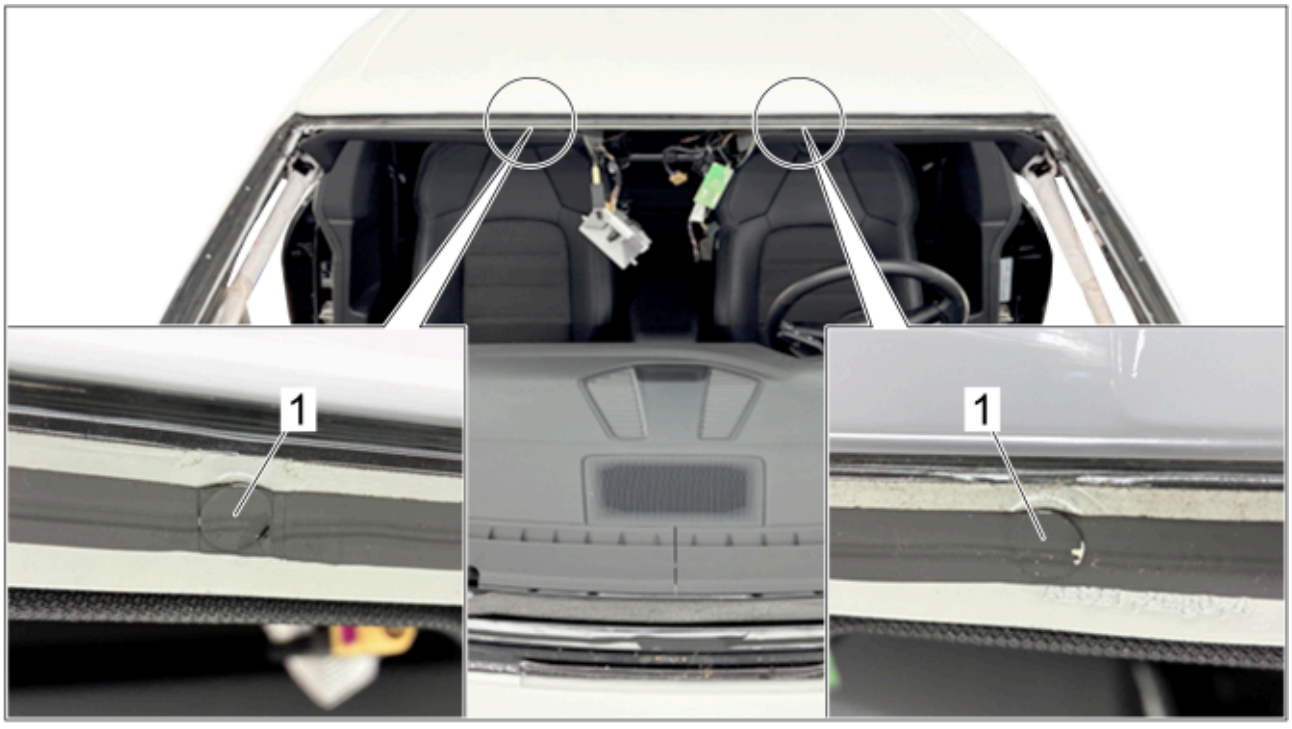
3 Prepare Porsche 2-component window adhesive for processing.

Before installing the windshield, cut back the residual adhesive material on the body and windshield in accordance with the repair specifications.
⇒ *Workshop Manual '6X70IN Working with Porsche 2-component window adhesive Information'*

4 Installing windshield.
Apply a slightly increased amount of window adhesive in the area of the two rivets ⇒*Affected rivets in front overhead console area* -1-if they have not already been pre-treated with window adhesive.
⇒ *Workshop Manual '641219 Removing and installing windscreen'*



Body adhesion is not OK



Affected rivets in front overhead console area

5 Install windshield trim frame at the left and right.
⇒ *Workshop Manual '666119 Removing and installing windscreen trim frame'*

6 Install top cover.
For work procedure, see: ⇒ *Workshop Manual '682719 Removing and installing interior mirror'*

7 Install front overhead console.
⇒ *Workshop Manual '708319 Removing and installing front overhead console (J528)'*

8 Remove workshop vacuum cleaner hose from rear door window and remove adhesive residues.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
64120140	Check windshield	
64124940	Checking and reworking bonding of windshield	

PCSS encryption:

Location (FES5)	64120	windshield
Damage type (SA4)	5011	water leak