

WNQ7 - Testing Windshield Frame and Reworking if Necessary (Workshop Campaign)

Model Line: **911 Targa (992)**
911 Cabriolet (992)

Model Year: **2021**

Concerns: **Windshield frame**

Cause: **The windshield frame on the affected vehicles may not have been manufactured in accordance with specifications and cracks may have developed as a result.**

In this case, a crack in the left area above the windshield frame can lead to water leak ingress. Leaks in the A-pillar can lead to customer complaints and corrosion cannot be ruled out over the service life of the vehicle.

Action: Test windshield frame and rework depending on the results.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Required parts and materials



Information

No **parts or material** are required for **testing** the windshield frame (Scope 1).

PartS Info: Parts required for reworking the windshield frame, if necessary (Scopes 2 and 3):

Part No.	Designation	Quantity
00004330535	Adhesive set	1 piece

Materials:



Information

Required consumables must be procured through the usual market procedures.

Required materials (usually already available at the Porsche dealer):

Part No.	Designation	Quantity
...	Consumables (bodywork)*	1 piece
	Includes:	
	<ul style="list-style-type: none"> • Cutting wire • Clean, lint-free cloth • Disposable gloves • Welding wire • Cleaning fleece • Adhesive tape • Paint in vehicle color 	

* For warranty processing, enter Part No. WNQ70000001 with the designation "consumables" as an additional part in the warranty claim. Maximum amount \$59.85.

Required tools

Tool:



Information

No **tools** are required for **testing** the windshield frame (Scope 1).

- Torque wrench, 6-50 Nm (4.5-37 ftlb.) e.g. **V.A.G 1331A - torque wrench, 6-50 Nm (4.5-37 ftlb.)**
- Torque wrench, 40-200 Nm (30-148 ftlb.) e.g. **V.A.G 1332A - torque wrench, 40-200 Nm (30-148 ftlb.)**
- Windshield removal set, e.g. **VAS 861 001A - wndscreen removal set**
- Suction lifter, e.g. **V.A.G 1344 - suction lifter**
- Scraper/spatula/lever set, e.g. **VAS 6845 - scraper/spatula/lever set**
- Pole terminal puller, e.g. **VAS 6935 - pole terminal puller**
- Welding and soldering system MIG/MAG, e.g. **VAS 6741 - welding and soldering system MIG/MAG**
- **VAS 6350/2A - Spacing laser**
- **VAS 6350A - Calibration unit**
- **VAS 6430/1A - Adjustment device with reflector**
- **VAS 6430/4 - Lane Keep Assist calibration board**
- Battery charger 90 A, e.g. **VAS 5908 - battery charger 90A**
- Pull hook, e.g. **9229/1 - pull hook**
- Socket spanner insert, e.g. **9730 - 9730 - socket spanner insert**
- **VAS 6826 - Steering wheel balance** **VAS 6830 - wheel-alignment adapter for wheels with central lock**
- **VAS 6918 - Quick-clamping unit**

Testing windshield frame

Work

Procedure:



Information

The following are required for testing the windshield frame:

- Plastic card
- Spray bottle
- Water/detergent emulsion
- Compressed air gun or vacuum cleaner with reverse function



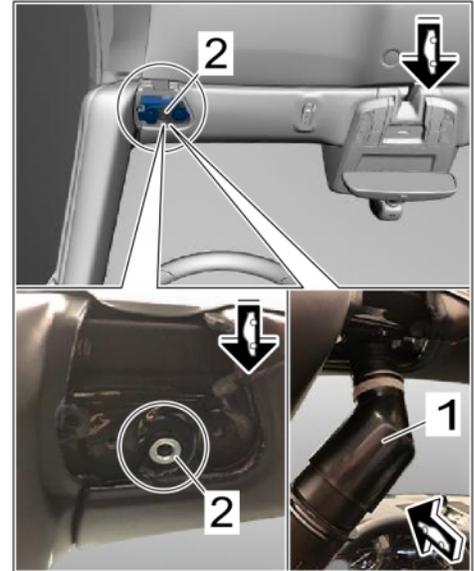
Information

General information on carrying out the leak test

- Use a water/dishwashing liquid emulsion for carrying out the leak test.
- The following fluid mixture makes an ideal water emulsion: 6 drops of commercially available dishwashing liquid mixed in 1 litre of tap water.
- Fill water emulsion into a suitable spray bottle.
- It can take up to 2 minutes to detect a possible leak indicated by air bubbles, depending on the vehicle.
- The leak test involves blowing in compressed air. To do this, the compressed air must be set to max. 8 bar at the pressure reducer for the compressed air supply.
- A second person is needed in order to carry out the leak test.
- Do not use a high-pressure cleaner.

1 Remove left sun visor. ⇒ *Workshop Manual '682319 Removing and installing sun visor'*

- 2 Position compressed air gun or vacuum cleaner with reverse function ⇒ *Positioning the vacuum cleaner*
-1- flush against opening ⇒ *Positioning the vacuum cleaner* -2-.



Positioning the vacuum cleaner

- 3 Coat **potentially affected area** with water emulsion ⇒ *Applying water emulsion* -1-.

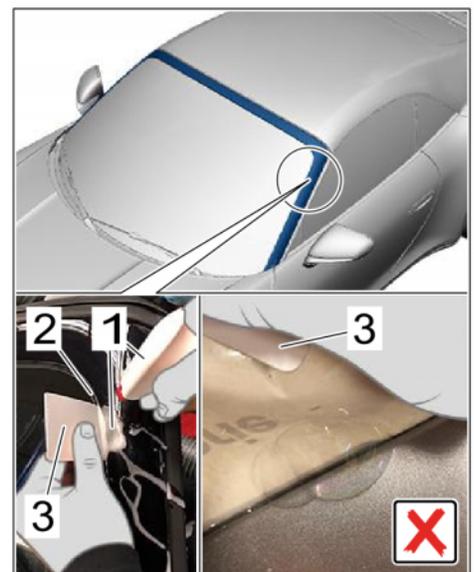
3.1 Press A-pillar seal ⇒ *Applying water emulsion* -2- aside using a plastic card ⇒ *Applying water emulsion* -3- and hold it.

3.2 Spray **potentially affected area** generously with water emulsion ⇒ *Applying water emulsion* -1-.

- 4 Test windshield frame.

4.1 Switch on compressed air gun or vacuum cleaner with reverse function and continue spraying water emulsion on **potentially affected area**.

4.2 Check the **potentially affected area** for bubble formation.



Applying water emulsion

Assessment	Action
No bubble formation detected.	– End of action – Continue with Action Step 5. [Scope 1]
Bladder formation visible.	Continue with ⇒ <i>Technical Information '682319 reworking of windscreen frame'</i> . ¹ [Scope 2 or 3]

1 Document with photos and upload the pictures to the PCCS quality line with the relevant description, e.g. upper_left_windshield_frame_VIN_Figure 1.

5 Install left sun visor. ⇒ *Workshop Manual '682319 Removing and installing sun visor'*

6 Enter the campaign in the Warranty and Maintenance booklet.

Reworking windshield frame

Work
Procedure:



Information

- Observe general specifications for bodywork (see PCSS Vehicle Information, Workshop Manuals 5X Documents).
- Only drill the ends of the cracks. A full bore hole in the windshield frame makes repairs much more difficult.
- Paint windshield frame according to specifications in the "Paintwork Manual", Surface painting, Painting stage 3 (see PCC Vehicle Information). ⇒ Handbuch Lack
- Porsche dealers that hand over the vehicle to an external service provider to carry out the work involved in painting the windshield frames must carry out the preparatory work independently at the Porsche dealer.

1 Remove windshield. ⇒ *Workshop Manual '641219 Removing and installing windscreen'*

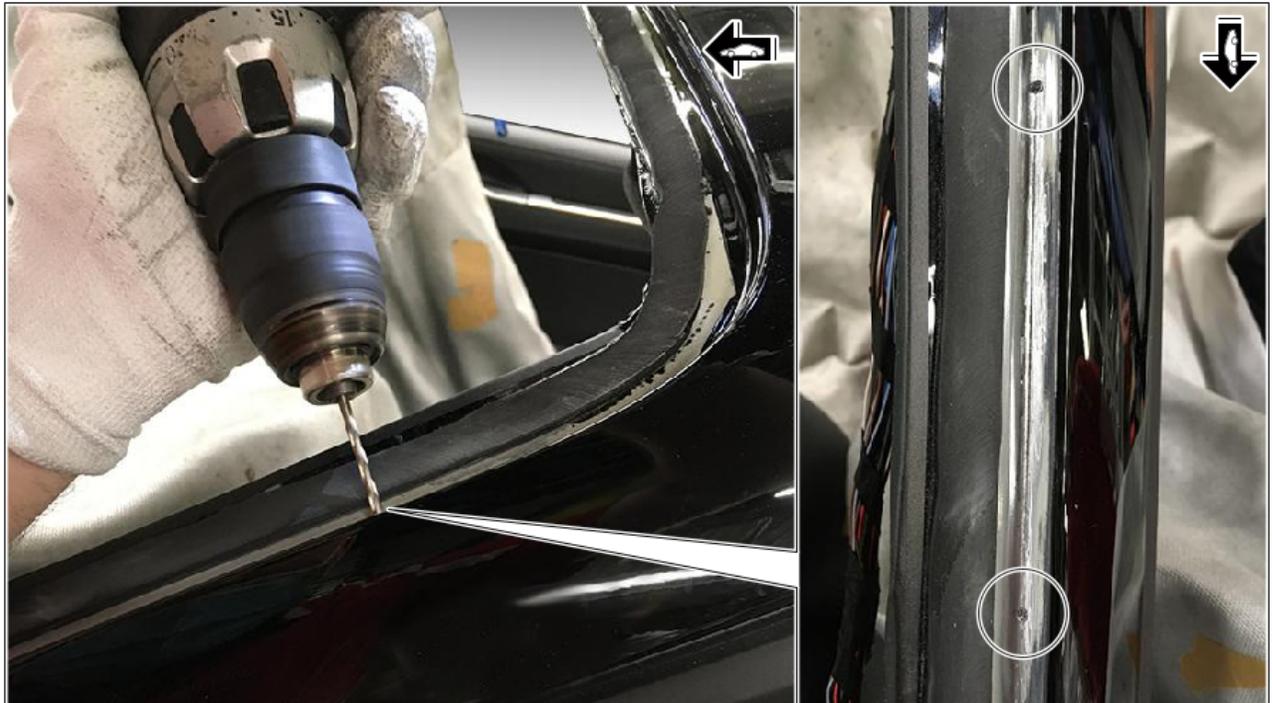
2 Carefully cover the surrounding area with fire-resistant material.

3 Expose crack using suitable agents. ⇒ *Exposing crack*



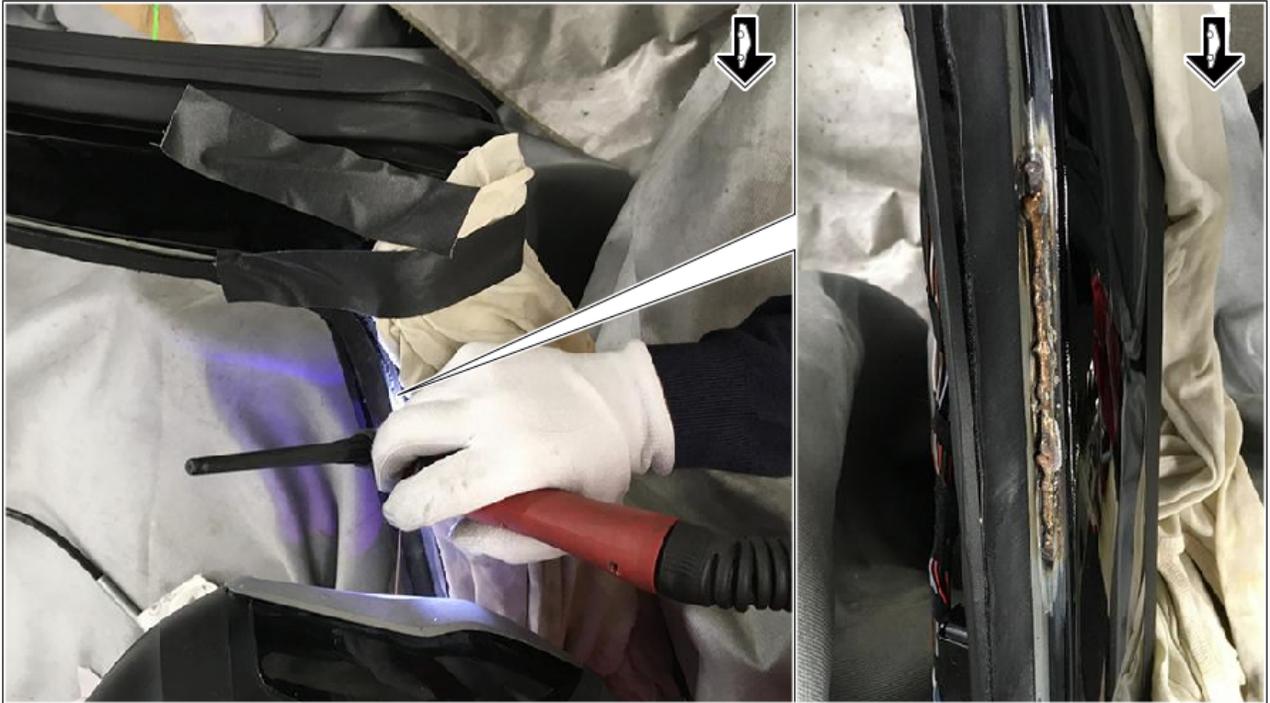
Exposing crack

- 4 Drill out crack ends. ⇒ *Drilling out crack ends*



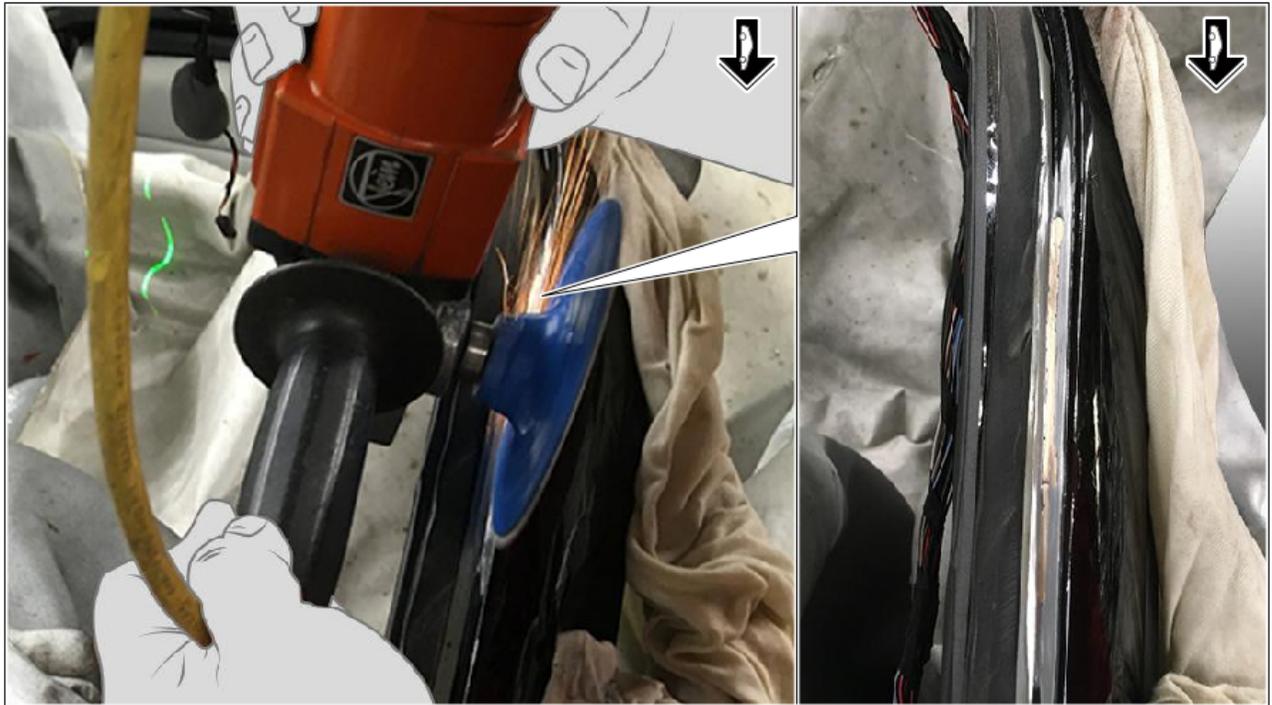
Drilling out crack ends

- 5 Close the crack using the MIG/MAG VAS 6741 - welding and soldering system MIG/MAG.
⇒ *Closing crack*



Closing crack

- 6 Sand off excess material. ⇒ *Sand off excess material*



Sand off excess material

- 7 Prime repair area and build up paintwork (Porsche Dynamic Repair).
- 8 Install windshield. ⇒ *Workshop Manual '641219 Removing and installing windshield'*
- 9 Install left sun visor. ⇒ *Workshop Manual '682319 Removing and installing sun visor'*
- 10 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent rework. The labor time may differ from the working times published in the Labor Operation List in the PCSS.

Scope 1: **Testing windshield frame****Labor time:**

Testing windshield frame

Labor time: **28 TU**

Includes: Removing and installing left sun visor

⇒ **Damage code WNQ7 066 000 1**Scope 2: **Checking and reworking windshield frame**

- The campaign was fully carried out by the Porsche dealer

Labor time:

Checking and reworking windshield frame

Labor time: **707 TU**

Includes:

- Removing and installing sun visors
- Testing windshield frame
- Removing and installing interior rearview mirror
- Removing and installing rain sensor
- Removing and installing mobile communication antenna
- Removing and installing cowl panel cover
- Removing and installing left and right A-pillar trim panels
- Removing and installing wiper arms
- Removing and installing windshield
- Reworking windshield frame
- Painting windshield frame
- Performing front and rear suspension alignment
- Calibrating front camera

Required parts:

00004330535	Adhesive set	1 piece
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Required materials (usually already available at the Porsche dealer):

WNQ700000001	Expendable item (bodywork)	1 piece*
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* For warranty processing, enter this Part No. with the designation "expendable items" as an additional part in the warranty claim; maximum cost: \$59.85.

⇒ **Damage code WNQ7 066 000 1**Scope 3: **Checking and reworking windshield frame**

- Painting of the windshield frame was carried out by an external service provider

Labor time:

Checking and reworking windshield frame Labor time: **527 TU**

- Includes:
- Removing and installing sun visors
 - Testing windshield frame
 - Removing and installing interior rearview mirror
 - Removing and installing rain sensor
 - Removing and installing mobile communication antenna
 - Removing and installing cowl panel cover
 - Removing and installing left and right A-pillar trim panels
 - Removing and installing wiper arms
 - Removing and installing windshield
 - Reworking windshield frame
 - Painting windshield frame
 - Performing front and rear suspension alignment
 - Calibrating front camera

Required parts:

00004330535	Adhesive set	1 piece
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Required materials (usually already available at the Porsche dealer):

WNQ700000001	Expendable item (bodywork)	1 piece*
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Outsourced labor:

Painting windshield frame	Sublet labor time: max. 180 TU**
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* For warranty processing, enter this Part No. with the designation "expendable items" as an additional part in the warranty claim; maximum cost: \$59.85.

** The maximum amount that will be paid as outsourced labor time is the amount corresponding to the specified labor time based on the individual charging rate under warranty of the respective Porsche dealer. Please include a copy of the invoice for external services with the warranty claim.

⇒ **Damage code WNQ7 066 000 1**

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