

Water Ingress in Interior: Check Seam Seal on Front Wall at Front Left and Rework if Necessary (53/23)

Model Line: **911 (992)**

Model Year: **As of 2021 up to 2023**

Concerns: **Front panel seam sealing on the front left side**

Cause: **The customer complains about water leaking into the passenger compartment.**

The cause may be inadequate seam sealing on the front panel on the front left side.

Action: Check seam sealing on the front panel on the front left side and rework if necessary.

Required tools

- Tools:
- **VAS 6935 Pole terminal puller**
 - **VAS 6845 Scraper/Spatula/Lever set**
 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque wrench, 6-50 Nm (4.5-37 ftlb.) e.g. **V.A.G 1331A - torque wrench, 6-50 Nm (4.5-37 ftlb.)**

Additional required tools when removing the front fender (wing):

- Torque wrench, 40-200 Nm (30-148 ftlb.), e.g. **V.A.G 1332A - Torque wrench, 40-200 Nm (30-148 ftlb.)**

Additional required tools for vehicles with central wheel bolts:

- **9796 - Socket spanner** for central wheel bolt
- **9794 - Assembly aid** for central wheel bolt
- **T10118 - Assembly tool** or **3438 - hook**
- Torque wrench to at least 600 Nm (442.5 ftlb), e.g. **V.A.G 1601 - torque wrench**

Required materials

Material:

**Information****No materials** are required for **checking** the seam sealing.**Required materials** (usually already available in the Porsche Center):

Part No.	Designation	Quantity
00004330532	⇒ Sealant (300 ml/ 10.14 fl oz)	As required
...	Consumable material (paintwork)	1 piece
	Includes:	
	<ul style="list-style-type: none"> • Clean, lint-free cloth • Disposable gloves • Adhesive tape • Paintwork in vehicle color 	
	Only required when removing the wing:	
00004330508	⇒ Mounting paste (100 g/ 3.52 oz tube)	only if required

Preparatory work

- Work Procedure: 1 Remove wiper arm.
⇒ *Workshop Manual '922519 Removing and installing wiper arm'*
- 2 Remove (technical equipment space) cover.
⇒ *Workshop Manual '852219 Removing and installing (technical equipment space) cover'*
- 3 Remove the lock carrier cover.
⇒ *Workshop Manual '703919 Removing and installing the lock carrier cover'*
- 4 Remove the front trim.
⇒ *Workshop Manual '700219 Removing and installing front trim'*
- 5 Remove cover.
⇒ *Workshop Manual '508719 Removing and installing cover'*

Checking front panel seam sealing on the front left side

Work Procedure: 1 Visually inspect seam sealing behind the lid hinge on the front panel on the front left side. ⇒ *Seam sealing incomplete*



Seam sealing incomplete

Assessment	Action
The affected area is completely sealed. (area around the connection of the screw point is completely filled with sealing compound)	Check whether water can leak in at another location.
Affected area is not completely sealed. (area around the connection of the screw point is not completely filled with sealing compound) ⇒ <i>Seam sealing incomplete</i>	Continue with ⇒ <i>Technical Information '508719 reworking seam sealing'</i> .

Reworking front panel seam on the front left side



Information

- Observe general specifications for bodywork (see PCSS Vehicle Information, Workshop Manuals 5X Documents).
- Paint affected area according to specifications in the "Paintwork Manual", Surface painting, Painting stage 3 (see PCSS Vehicle Information). ⇒ Handbuch Lack

Work Procedure: 1 Apply sealing compound.

- 1.1 Position cartridge ⇒ *Position of cartridge -1-* at the lowest point of the leaking area and align it approx. 45° with respect to the front of the vehicle.
- 1.2 Fill up the leaking area until the sealing compound emerges upwards.
- 1.3 Smooth out sealing compound and clean the surrounding area. ⇒ *Applying sealing compound*
- 1.4 Allow sealing compound to harden.



Position of cartridge



Applying sealing compound



Information

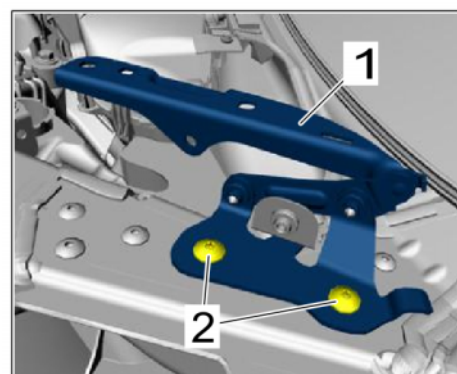
General information on carrying out the leak test

- 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 liter of tap water.
 - It can take several minutes to detect a possible leak 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 (e.g., pressure washer).
- 2 Perform leak test with water emulsion.
 - 2.1 Coat repair area with water emulsion.

- 2.2 Using a compressed-air gun, apply compressed air to the inside of the repair area and re-spray it continuously with the water emulsion.
Use a suitable extension in the form of a lance if necessary.
- 2.3 Check repair area for signs of bubbling of the water emulsion, caused by leaks.

Assessment	Action
No leaks found. (No bubbling is visible in the repair area.)	No further inspections required After ensuring that the hardening process is complete, spot-paint all areas on which you have applied body sealant with top-coat paint until adequate coverage is achieved ⇒ <i>Workshop Manual '0750IN Paint repairs'</i> .
There is still a leak. (Bubbling is visible in the repair area.)	Continue with Step 3.

- 3 Removing front fender/ wing.
⇒ *Workshop Manual '505519 Removing and installing front wing'*
- 4 Remove front lid.
⇒ *Workshop Manual '552219 Remove and install front lid'*
- 5 Remove lid hinge ⇒ *Lid hinge -1-*.
 - 5.1 Unscrew screws ⇒ *Lid hinge -2-*.
 - 5.2 Remove lid hinge ⇒ *Lid hinge -1-*.



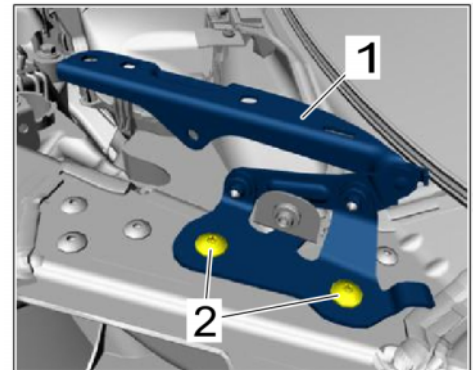
Lid hinge

- 6 Clean the affected area.
- 7 Re-apply sealant, smooth out and then inspect for leaks.

Once the hardening process is complete, **spot-paint** all areas on which you have applied body sealant with top-coat paint until adequate coverage is achieved ⇒ *Workshop Manual '0750IN Paint repairs'*.

- 8 Install lid hinge ⇒ *Lid hinge -1-*.
 - 8.1 Position lid hinge ⇒ *Lid hinge -1-*.
 - 8.2 Screw in and tighten screws ⇒ *Lid hinge -2-*.

Tightening torque 10 Nm



Lid hinge

- 9 Install front lid.
⇒ *Workshop Manual '552219 Remove and install front lid'*
- 10 Install front wing.
⇒ *Workshop Manual '505519 Removing and installing front wing'*

Follow-up actions

- Work Procedure: 1 Install cover.
⇒ *Workshop Manual '508719 Removing and installing cover'*
- 2 Install the front trim.
⇒ *Workshop Manual '700219 Removing and installing front trim'*
 - 3 Install the lock carrier cover.
⇒ *Workshop Manual '703919 Removing and installing the lock carrier cover'*
 - 4 Install (technical equipment space) cover.
⇒ *Workshop Manual '852219 Removing and installing (technical equipment space) cover'*
 - 5 Install wiper arm.
⇒ *Workshop Manual '922519 Removing and installing wiper arm'*

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
50140100	Inspecting front panel	
50144900	Reworking front panel	
50144902	Reworking front panel	

PCSS encryption:

Location (FES5)	50140	Front panel
Damage type (SA4)	5011	Water leak

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