

WSN3 - Replacing Service Cover on High-Voltage Battery E-box (Workshop Campaign)

Model Line: **Macan (XAB)**

Model Year: **As of 2024 up to 2025**

Concerns: **Remove the service cover on the E-box.**

Cause: **Due to an error in the Workshop Manual, there is a possibility that the screw connection of the service cover on the high-voltage battery E-box did not meet specifications during repairs in the Porsche Center on the affected vehicles.**

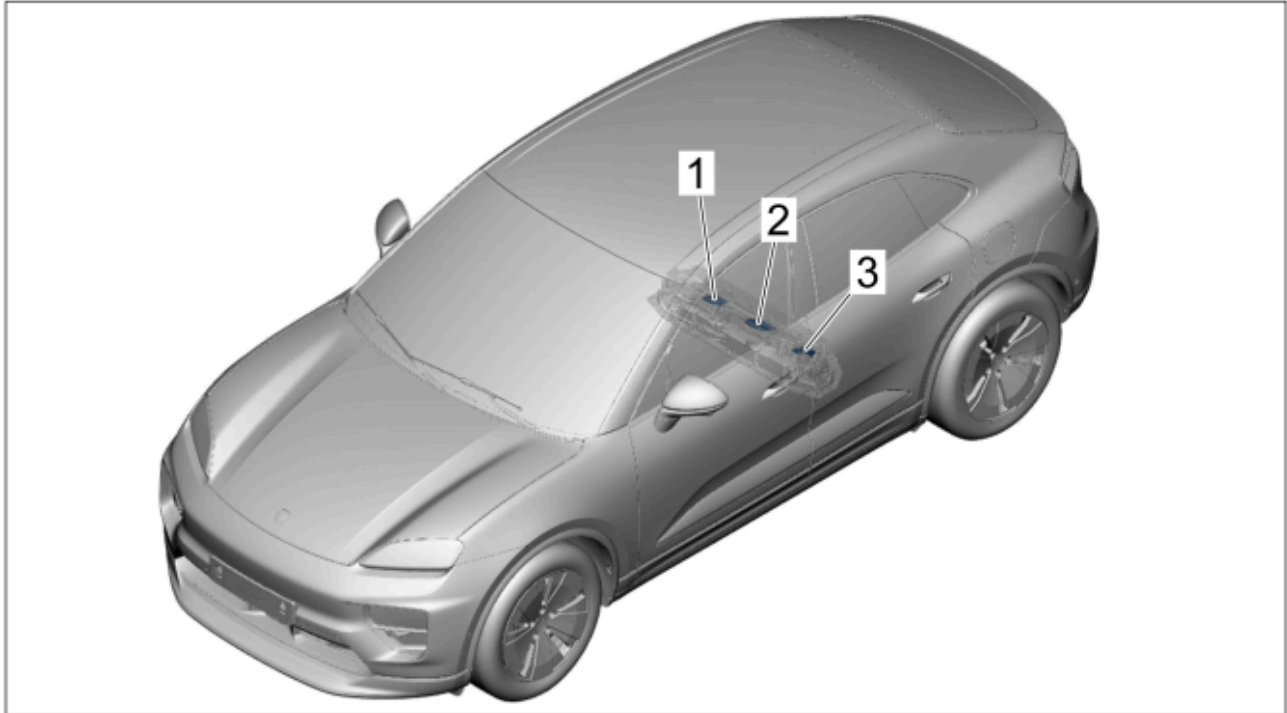
Moisture seeping in at the service cover of the high-voltage battery E-box cannot be ruled out over the service life of the vehicle.

Action: Replace service cover on high-voltage battery E-box including screws

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

Installation

Position:



Installation position of service cover on E-box

- 1 – Service cover for E-box on right (**replace**)
- 2 – Service cover for E-box in center (**replace**)
- 3 – Service cover for E-box on left (**replace**)

Required parts and materials

Parts Info: The **part numbers** of the **required parts** for the respective vehicle can be viewed in the **assigned scope**. For an overview of the campaign scopes, see section: "Warranty processing"

Required tools

- Tools:
- **P90999 - Porsche Tester 4**
 - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - 90-A battery charger**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Technical Information '270689 Charging vehicle electrical system battery'*
 - 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.)**
 - **VAS 531 011 - Cooling system service equipment**
 - **VAS 6558A - High-voltage test adapter**
 - **VAS 6558A/27 - Set of Kelvin clamps and test probes**

- VAS 6558A/45 - High-voltage measurement adapter
- VAS 6558A/46 - High-voltage measurement adapter
- VAS 6558/10-1A - High-voltage test adapter
- VAS 6558/10-2 - High-voltage test adapter
- T40262 - Locking cap

Country-specific tools:

- VAS 6558/14A - High-voltage test adapter
- VAS 6558/17A - High-voltage test adapter
- VAS 6558/18A - High-voltage test adapter
- VAS 6558/22 - High-voltage test adapter

Replacing service cover on high-voltage battery E-box

Work Procedure: 1 Remove high-voltage central box.
 ⇒ *Technical Information '931219 Removing and installing HV central box'*



Information

The service cover screws are fastened using a two-stage tightening procedure.

2 Replace service lid on the right ⇒ *Service cover, right -7-*.

2.1 Unscrew screws ⇒ *Service cover, right -1 to 6-* and ⇒ *Service cover, right -7-* remove **existing** service cover on the right.

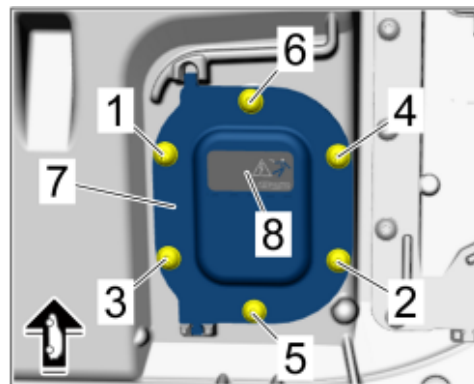
2.2 Remove adhesive residue.

2.3 Affix **new** information sign ⇒ *Service cover, right -8-* to **new** service lid on the right ⇒ *Service cover, right -7-*.

2.4 Position **new** service cover on the right ⇒ *Service cover, right -7-*.

2.5 Screw in **new** screws and tighten **in sequence** ⇒ *Service cover, right -1 to 6-* with **Initial tightening 2 Nm** (1.48 ft lbs).

2.6 Tighten **new** screws **in sequence** ⇒ *Service cover, right -1 to 6-* with **Final tightening 4.5 Nm** (3.32 ft lbs).



Service cover, right

- 3 Replace center service cover ⇒ *Center service cover -9-*.

3.1 Unscrew the screws ⇒ *Center service cover -1 to 8-* and remove **existing** center service cover ⇒ *Center service cover -9-*.

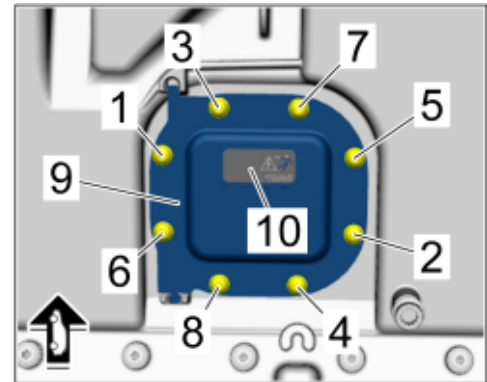
3.2 Remove adhesive residue.

3.3 Affix **new** information sign ⇒ *Center service cover -10-* to **new** center service cover ⇒ *Center service cover -9-*.

3.4 Position **new** center service cover ⇒ *Center service cover -9-*.

3.5 Screw in **new** screws and tighten **in sequence** ⇒ *Center service cover -1 to 8-* with **Initial tightening 2 Nm** (1.48 ft lbs).

3.6 Tighten **new** screws **in sequence** ⇒ *Center service cover -1 to 8-* with **Final tightening 4.5 Nm** (3.32 ft lbs).



Center service cover

- 4 Replace ⇒ *Service cover on the left -7-* service cover on the left.

4.1 Unscrew ⇒ *Service cover on the left -1 to 6-* screws and remove **previous** service cover on the left ⇒ *Service cover on the left -7-*.

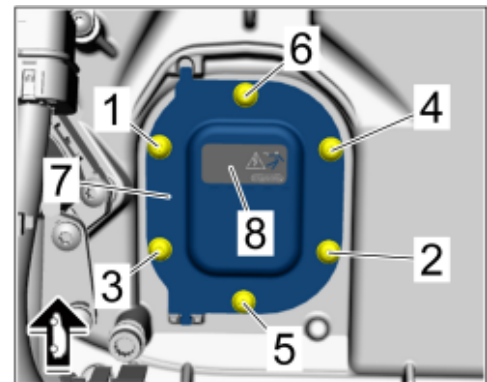
4.2 Remove adhesive residue.

4.3 Affix **new** information sign ⇒ *Service cover on the left -8-* to **new** service cover on the left ⇒ *Service cover on the left -7-*.

4.4 Position **new** service cover on the left ⇒ *Service cover on the left -7-*.

4.5 Screw in **new** screws and tighten **in sequence** ⇒ *Service cover on the left -1 to 6-* with **Initial tightening 2 Nm** (1.48 ft lbs).

4.6 Tighten **new** screws **in sequence** ⇒ *Service cover on the left -1 to 6-* with **Final tightening 4.5 Nm** (3.32 ft lbs).



Service cover on the left

- 5 Remove and install high-voltage central box
⇒ *Technical Information '931219 Removing and installing HV central box'*
- 6 Enter the campaign in the Warranty and Maintenance logbook.

Warranty processing

Scope 1: **Replacing service cover on high-voltage battery E-box**

Labor time:

Replacing service cover on high-voltage battery E-box

Labor time: **524 TU**

- Includes:
- Deactivating and activating high-voltage system
 - Removing and installing rear seat
 - Removing and installing high-voltage central box
 - Measure equipotential bonding line
 - Draining and filling coolant

Required parts:

Part No.	Designation – Location	Quantity
PAC915605C	Cover – Service cover for E-box on right/left	2 pieces
PAC915442B	Cover – Service cover for E-box in center	1 piece
PAB010001C	Information plate – Service cover for E-box right/center/left	3 pieces
PAF108797	Internal hexagon lens head flanged screw – Service cover for E-box right/center/left	20 piece(s)
PAB121809A	Seal – Coolant reservoir	1 piece

Required materials:

V04015003P	Coolant (20-liter (5.28 gal) container)	0.03 piece(s)
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⇒ **Damage number WSN3 066 000 2**

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