

WMB2 – Checking Screws on Component Protection on High-Voltage Battery and Reworking Them if Necessary (Workshop Campaign)

Model Line: **Taycan (Y1A)**

Model Year: **As of 2020 up to 2021**

Concerns: **Component protection on high-voltage battery**

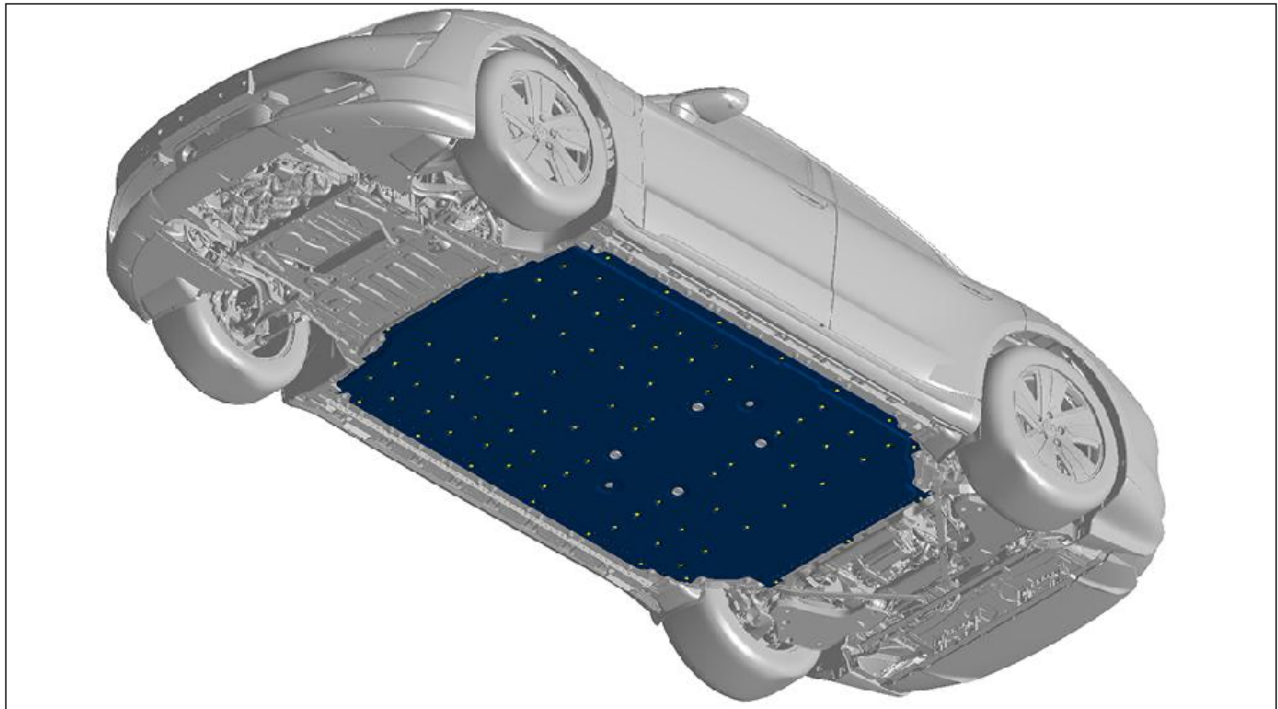
Information: **Due to a process error during assembly, there is a possibility that a screw was not installed on the component protection on the underside of the high-voltage battery on the affected vehicles.**

This may result in water leaking into the battery frame.

Action required: To prevent this from happening, it must be checked whether all screws are installed on the component protection. If this is not the case, the missing screw must be subsequently installed and tightened to the prescribed tightening torque.

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

Installation
Position:



Installation position of component protection on high-voltage battery

Parts required

Parts Info:



Information

No parts are required for **checking** the screws.

Parts required for **reworking** the screws:

Part No.	Designation – Use	Qty.
PAF008840	⇒ Internal hexagon round-head bolt, M6 x 18 – component protection on high-voltage battery, outer	1 ea.
	or	
PAF008839	⇒ Internal hexagon round-head bolt, M6 x 8 – component protection on high-voltage battery, inner	1 ea.

Required tools

- Tools:
- VAG 1783 Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)
 - T40262 - Locking cap
 - VAS 6410 - Contact surface cleaning set
 - VAS 6558/9-6 - High-voltage test adapter HVA 280
 - VAS 6883 - Insulated tool set
 - 9900 - PIWIS Tester 3 with current PIWIS Tester test software version.
 - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 Battery charger 90A**



Information

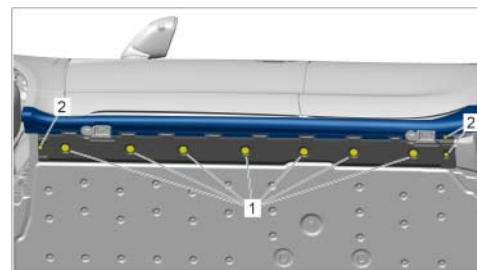
The Taycan is equipped as standard with a **lithium starter battery**, which must only be charged using suitable battery chargers.

For further information about the battery chargers to be used, see:

- ⇒ *Workshop Manual '27061N General information on the 12-volt lithium-ion battery'*
- ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Preparatory work

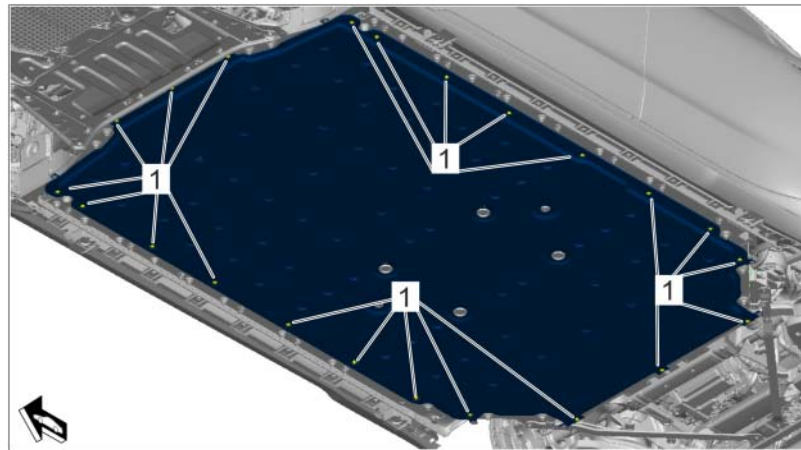
- Work Procedure: 1 Raise the vehicle ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 2 Remove front wheel housing liner at left and right ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*.
- 3 Remove front underbody cover ⇒ *Workshop Manual '519219 Removing and installing front underbody cover'*.
- 4 Remove left and right underbody side skirts.
- 4.1 Loosen clips ⇒ *Underbody side skirts, left -1-*.
- 4.2 Unscrew screws ⇒ *Underbody side skirts, left -2-*.
- 4.3 Remove trim panel.
- 5 Remove rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear underbody cover'*.



Underbody side skirts, left

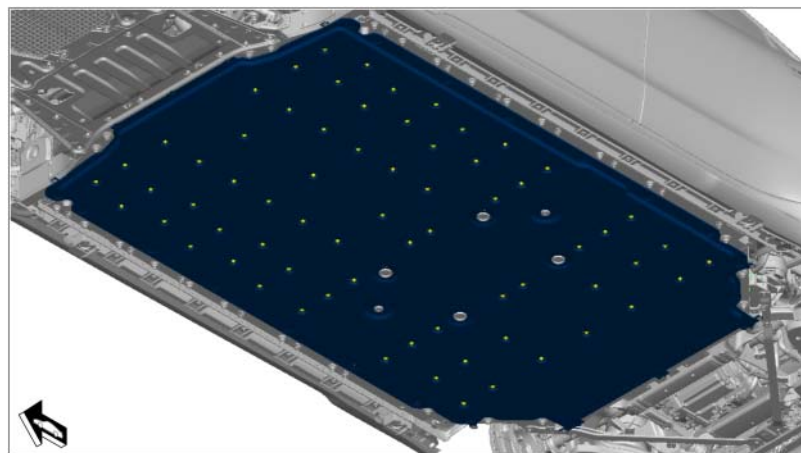
Checking screws on component protection on high-voltage battery and reworking them if necessary

- Work Procedure: 1 Check outer screws ⇒ *Outer screws for component protection on high-voltage battery -1-* on component protection on high-voltage battery for missing screw.



Outer screws for component protection on high-voltage battery

- 2 Check inner screws on component protection on high-voltage battery for missing screw.



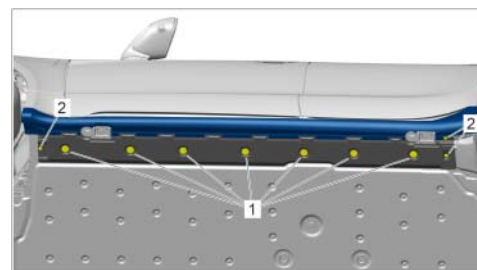
Inner screws for component protection on high-voltage battery

Assessment		Action required
(✓)	All screws are installed.	Continue with ⇒ <i>Technical Information '519419 Concluding work'</i> .
(x)	Outer screw on component protection is missing.	Install new screw M6 x 18 , Part No. PAF008840 and tighten to Tightening torque 8 Nm (6 ftlb.) .
	Inner screw on component protection is missing.	Install new screw M6 x 8 , Part No. PAF008839 and tighten to Tightening torque 8 Nm (6 ftlb.) .

Concluding work

Work Procedure: 1 Install rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear underbody cover'*.

- 2 Install left and right underbody side skirts.
 - 2.1 Position trim panel.
 - 2.2 Fasten clips ⇒ *Underbody side skirts, left -1-*.
 - 2.3 Install screws ⇒ *Underbody side skirts, left -2-* and tighten to **Tightening torque 2.5 Nm (1.9 ftlb.)**.



Underbody side skirts, left

- 3 Install front underbody cover ⇒ *Workshop Manual '519219 Removing and installing front underbody cover'*
- 4 Install front wheel housing liner at left and right ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*.
- 5 Lower the vehicle ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 6 **Only carry out if a screw was subsequently installed:**
 Perform test drive with cyclical acceleration and braking.
 Accelerate the vehicle to 40 km/h (25 mph) and then brake to 20 km/h (12 mph). Repeat this procedure up to 3 times.
 - If noise from the component protection area is perceived as swashing water during the test drive, please report this to Technical Support via PRMS ticket in order to decide how to proceed.
 - If no noise is heard during the test drive, continue with Step 8.
- 7 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1: **Checking screws on component protection on high-voltage battery**

- All screws are installed.

Working time:	
Checking screws on component protection on high-voltage battery	Labor time: 242 TU
Includes:	<ul style="list-style-type: none"> Removing and installing front wheel housing liner Removing and installing rear cover Removing and installing right center cover for underbody Removing and installing left center cover for underbody Removing and installing front cover

Removing and installing front wheel housing liner

⇒ Damage Code WMB2 066 000 1

Scope 2:

Checking and reworking screws on component protection on high-voltage battery

- Outer screw on component protection was reworked.

Working time:

Checking and reworking screws on component protection on high-voltage battery Labor time: **245 TU**

Includes: Removing and installing front wheel housing liner
 Removing and installing rear cover
 Removing and installing right center cover for underbody
 Removing and installing left center cover for underbody
 Removing and installing front cover
 Removing and installing front wheel housing liner

Parts required:

PAF008840	Internal hexagon round-head bolt, M6 x 18 – component protection on high-voltage battery, outer	1 ea.
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⇒ Damage Code WMB2 066 000 2

Scope 3:

Checking and reworking screws on component protection on high-voltage battery

- Inner screw on component protection was reworked.

Working time:

Checking and reworking screws on component protection on high-voltage battery Labor time: **245 TU**

Includes: Removing and installing front wheel housing liner
 Removing and installing rear cover
 Removing and installing right center cover for underbody
 Removing and installing left center cover for underbody
 Removing and installing front cover
 Removing and installing front wheel housing liner

Parts required:

PAF008839	Internal hexagon round-head bolt, M6 x 8 – component protection on high-voltage battery, inner	1 ea.
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⇒ Damage Code WMB2 066 000 2

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