

WLE3 - Replacing Vehicle Electrical System Battery (Workshop Campaign)

Model Line: **Taycan (Y1A)**

Model Year: **2020**

Subject: **12-volt vehicle electrical system battery (lithium-ion battery)**

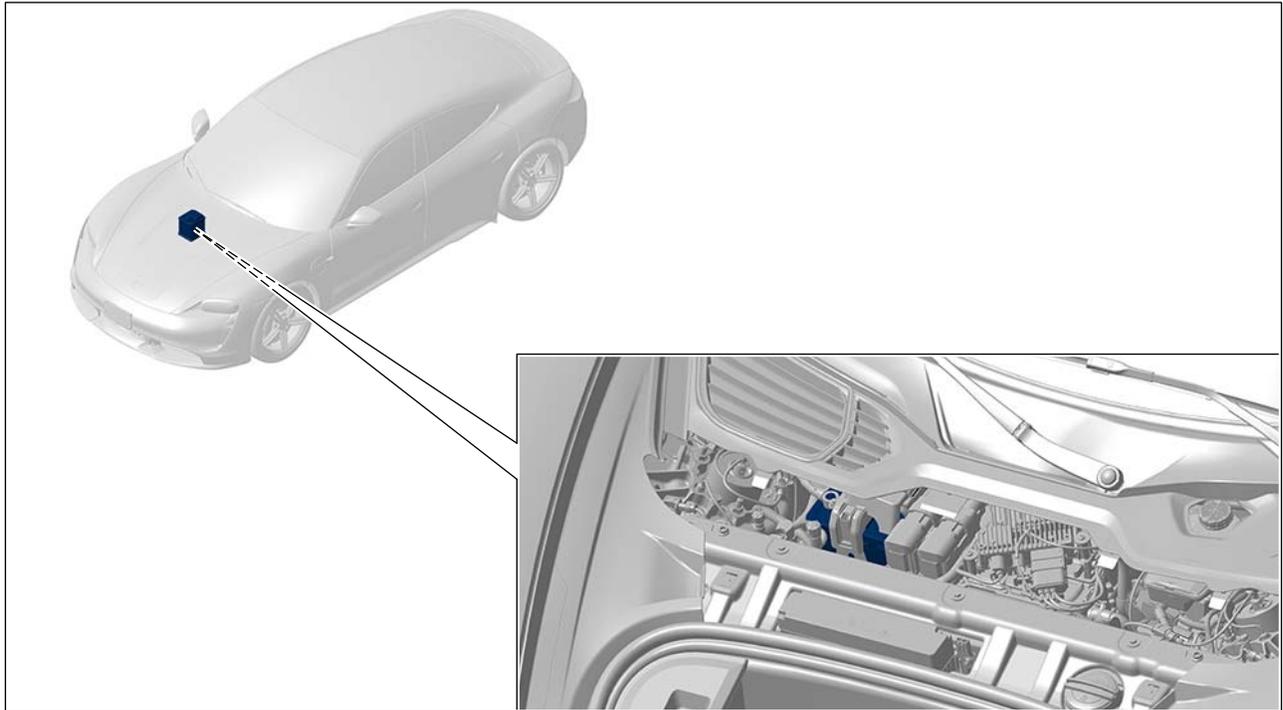
Information: **Due to a manufacturing error, there is a possibility that the internal current sensor for the 12-volt vehicle electrical system battery does not meet the required specifications on the affected vehicles.**

As a result, the charge state will be calculated incorrectly and the 12-volt vehicle electrical system battery will then be totally discharged when the vehicle is parked up for extended periods without an external power supply.

Remedial Action: Replace 12-volt vehicle electrical system battery (lithium-ion battery).

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information). There are 578 vehicles in North America affected by this campaign.

Installation
position:



Installation position of vehicle electrical system battery

Required tools



Information

The Taycan (Y1A) is equipped as standard with a **lithium starter battery**.

Lithium starter batteries must only be charged using a **suitable battery charger** that has a current and voltage-controlled charge map.

For further information about the battery chargers to be used, see ⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*.

Tools:

- **VAS 6883 Insulated Tool Set**
- **VAS 6558A High-voltage testing module**
- **VAS 6558/9-6 High-voltage test adapter HVA 280**
- **T40262 - Locking cap**
- Torque wrench, 2 - 10 Nm (1.5 - 7.5 ftlb.), e.g. **VAG 1783 Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
- Torque wrench, 20 - 100 Nm (15 - 74 ftlb.), e.g. **VAS 5820 Torque wrench, 20-100 Nm (15-74 ftlb.)**

- 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 90 A**
- **9900 - PIWIS Tester 3**

Parts required

Part No.:	Part No.	Designation	Qty.
		- Use	
	V04015001BA	⇒ 12-volt vehicle electrical system battery	1 ea.
	PAF106825	⇒ Cheese head bolt, M8 x 50 - Strut to body	4 ea.

Replace vehicle electrical system battery



WARNING

Incorrect handling of high-voltage components can result in:

- Electric shock
 - Short circuit
 - Fire
 - Explosion
- ⇒ Only appropriately trained and authorized persons are permitted to work on high-voltage vehicles and components.
- ⇒ Required qualification: High voltage technician or high voltage expert.
- ⇒ Observe national requirements and legislation for this work.
- ⇒ Always use insulated tools, e.g. VAS 6883 High-voltage tool set when working on these components.
- ⇒ Observe general warning notes for working on the high-voltage system. ⇒ *Workshop Manual '2X00IN General warning notes for working on the high-voltage system'*

Work Procedure: 1 Replace vehicle electrical system battery and commission it.
For instructions, see:
⇒ *Workshop Manual '270619 Removing and installing vehicle electrical system battery'*
⇒ *Workshop Manual '270655 Replacing vehicle electrical system battery'*
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

2 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing**Information**

The specified working time was determined specifically for carrying out this campaign and includes all necessary preliminary and subsequent work.

The working time may differ from the working times published in the Labor Operation List in the PCSS.

Scope:

Working time:

Replacing vehicle electrical system battery

Labor time: **163 TU**

Includes: Connecting and disconnecting battery charger
 Removing and installing strut
 Removing and installing wiper arm
 Connecting and disconnecting PIWIS Tester

Parts required:

V04015001BA	12-volt vehicle electrical system battery	1 ea.
PAF106825	Cheese head bolt	4 ea.

⇒ **Damage Code WLE3 066 000 2**

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