

Replacement Requirement High-Voltage Battery on Model Year L (2020) Vehicles - Observe Specified Procedure (48/21)

Change overview:

Version	Date	Change
0	April 6, 2021	First publication
1	May 10, 2021	Section on "Replacing E-box" is not required
2	May 2, 2022	Part numbers added

Model Line: **Taycan (Y1A)**

Model Year: **2020**

Concerns: **Replacing the high-voltage battery**

Information: **New high-voltage batteries with a modified cell chemistry are used on Taycan vehicles from model year M (2021) onwards. From now on, model year L (2020) vehicles will also be installed with the new high-voltage batteries with modified cell chemistry if the high-voltage battery needs to be replaced.**

To use the high-voltage batteries with modified cell chemistry in MY L (2020) vehicles, the PR number in the vehicle order must be changed following installation in the vehicle before programming the new high-voltage battery control unit and teaching the high-voltage battery.

The change ensures that the high-voltage battery control unit will be programmed using the correct data record and that the correct parts will be referenced in the Porsche Spare Parts Catalogue (PET) if the high-voltage battery or its components need to be replaced in the future.

Action required: After installing the new high-voltage battery in the vehicle and **before** programming the high-voltage battery control unit, change the PR number in the vehicle order.

Parts Info: **Affected part numbers (79 kWh):**

Part number	Designation
9J1915099AM	High-voltage battery (complete)
9J1915099AS	High-voltage battery (complete)
9J1915099PX	High-voltage battery (complete)
9J1915099SX	High-voltage battery (complete)

Affected part numbers (93 kWh):

Part number	Designation
9J1915100AM	High-voltage battery (complete)
9J1915100AS	High-voltage battery (complete)
9J1915100PX	High-voltage battery (complete)
9J1915100SX	High-voltage battery (complete)

Match PR number

Tool:

**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'*.

- Battery charger with a current rating of **at least 90 A** and - if required - **also** with a **current and voltage controlled charge map** for lithium starter batteries, e.g. **VAS 5908 90A battery charger**
- **9900 - PIWIS Tester 3**

Work
Procedure:**Match vehicle data**

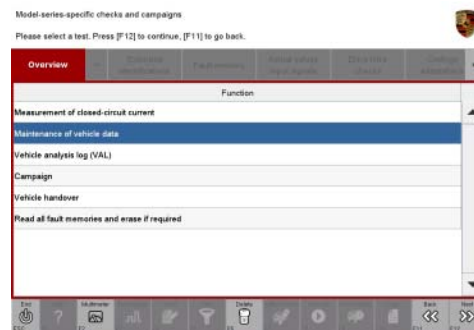
- 1 Connect a suitable battery charger, e.g. **90 A battery charger**, to the jump-start terminals and switch it on.
- 2 Position the **driver's key** with the back facing forward, upright between the holding struts in the rear drinks holder (**emergency start tray**) to ensure a permanent radio link between the vehicle and remote control ⇒ *Emergency start tray - Arrow -*.
- 3 Connect **9900 - PIWIS Tester 3** to the vehicle communication interface module (VCI) via the **USB cable**. Then connect the communication module to the vehicle and switch on the PIWIS Tester.
- 4 Establish readiness for operation (switch on ignition).
- 5 On the PIWIS Tester start screen, call up the **'Diagnostics'** application.

*Emergency start tray*

The vehicle type is then read out, the diagnostic application is started and the control unit selection screen is populated.

6 Match vehicle data.

- 6.1 In the control unit selection (**Overview** menu) press •F7" to call up the Additional menu.
- 6.2 Select **'Maintenance of vehicle data'** and press •F12" ('Next') to confirm ⇒ *Maintenance of vehicle data*.
- 6.3 Press •F12" ('Next') to skip the displays containing information about vehicle description, colors/ materials and X numbers.
- 6.4 Add the coding value **'ST3'** to the vehicle data on the M numbers page. To do this, for the relevant coding value, click on the tick in the "Installed" field to select the value. Make sure that the 'Installed' column is subsequently **ticked** and that the pen symbol is displayed in the 'Changed' column. Then press •F12" ('Next') to close the PR numbers display.
- 6.5 Press •F8" in the overview that is then displayed to save the changed vehicle data.
- 6.6 Once you have saved the vehicle data, press •F11" ('Back') to return to the control unit selection screen.



Maintenance of vehicle data

The high-voltage battery control unit can now be programmed, see ⇒ *Workshop Manual '270855 Replacing high-voltage battery'*.

Invoicing: For documentation and warranty invoicing, enter the labor operation and PQIS coding specified below in the warranty claim:

APOS	Labor operation	I No.
27084950	Reworking high-voltage battery control unit	

PQIS coding:

Location (FES5)	27080	High-voltage battery
Damage type (SA4)	9735	repair in accordance with PAG instructions

References: ⇒ *Workshop Manual '270855 Replacing high-voltage battery'*

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