Replacing 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

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 No.	Designation
9J1915099AH	High-voltage battery (complete)
9J1915099AM	High-voltage battery (complete)
9J1915099AX	High-voltage battery (complete)
9J1915099PX	High-voltage battery (complete)

Affected part numbers (93 kWh):

Part No.	Designation
9J1915100AH	High-voltage battery (complete)
9J1915100AM	High-voltage battery (complete)
9J1915100AX	High-voltage battery (complete)
9J1915100PX	High-voltage battery (complete)

Changing PR number

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'*.

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

Work Procedure:

Changing 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 cupholder (**emergency start tray**) to guarantee a permanent radio link between the vehicle and remote control ⇒*Emergency start tray* **-Arrow-**.

Emergency start tray

3 Connect **9900 - PIWIS Tester 3** to the vehicle communication module (VCI) via the **USB cable**. Then connect the communication module to the vehicle and switch on the PIWIS Tester.

4 Establish operational readiness (switch on ignition).

5 On the PIWIS Tester start screen, call up the **'Diagnostics'** application.

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

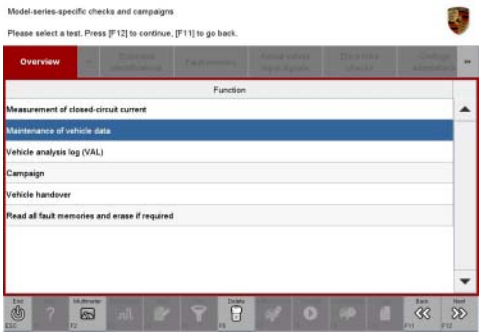
6 **Change vehicle data.**

6.1 In the control unit selection screen (**'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, click in the "Installed" field for the relevant coding value to select the value.
Make sure that the 'Installed' column is then **ticked** and that the pen symbol appears in the 'Changed' column.
Then press • F12 " ('Next') to exit the PR numbers display.



Maintenance of vehicle data

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.

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	Labour 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'*