

**Warning Message "Power Steering Failed - Increased Force Requirement" / Fault Memory Entry "B200046 - Functional Restriction" in the Power Steering Control Unit (242/24)**

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Model Year: **As of 2020 up to 2024**

Concerns: **Power steering gear**

Cause: **The customer complains that the yellow warning message "Power Steering failed - increased force required, further journey possible" is displayed on the multi-function display in the instrument cluster.**  
The following fault memory entry is stored in the power steering control unit fault memory:

- **B200046** - Functional restriction (000700)

The reason for this can be a behavior of the power steering control unit software, which under certain preconditions can cause an error in writing the adaptation values to the power steering control unit after switching off the ignition or interrupting the power supply, and thus to the described fault pattern.

Action: Reset adaptation values and then re-code power steering control unit.



**Information**

The action described here is only expedient for the fault memory entry "B200046 - functional restriction (000700)".

The steering gear must be replaced in the case of the following fault memory entries:

- B200046 - Functional restriction **(000800)**
- B200046 - Functional restriction **(000900)**

**Required tools**

- Tools:
- **P90999 - PIWIS Tester 4**
  - 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**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

**Resetting adaptation values and then re-coding power steering control unit**

- Work Procedure: 1 Connect and switch on the battery charger.  
⇒ *Workshop Manual '270689 Charging battery / vehicle electrical system'*

- 2 Place the original remote control in the emergency start tray.
- 3 Connect the **P90999 - PIWIS Tester 4**, establish readiness for operation and start the diagnostic application.
- 4 Reset power steering adaptation values.
  - 4.1 Select the **power steering** control unit in the overview.
  - 4.2 Select the **'Actuators / test'** tab.
  - 4.3 Select the **'All'** group and press **(F12)** to confirm further.
  - 4.4 Select the **'Reset all Learn values'** menu item and confirm with **(F12)**.
  - 4.5 Press **(F8)** to start.
- 5 Re-code power steering control unit through commissioning.



Representation of emergency start tray as an example



#### Information

The basic procedure to follow for control unit coding is described in the Workshop Manual. → *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

- 5.1 Select **"Service / Repairs"** tab.
  - 5.2 Select the **"Commissioning"** menu item and press **(F12)** to confirm.
  - 5.3 Follow the instructions on the Tester.
- 6 Read out and delete all control unit fault memories.
- 7 End diagnostic application, end readiness for operation, disconnect **P90999 - PIWIS Tester 4** from vehicle.
- 8 Switch off and disconnect the battery charger.  
→ *Workshop Manual '270689 Charging vehicle electrical system battery'*

### Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
48902540	Resetting and re-coding power steering control unit adaptation values	

PCSS encryption:

Location (FES5)	48900	Power steering transmission
Damage type (SA4)	4048	Yellow warning message activated in BC

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