

Warning Message “Vehicle Electrical System Fault – Park Vehicle Safely”, Battery Sensor Fault “P1D6C00” in Gateway Control Unit (23/26)

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

Model Year: **As of 2025**

Concerns: **Gateway control unit (battery sensor)**

Information: **The customer complains about a red warning message “Vehicle electrical system fault – Park vehicle safely”. After bus idle, the warning message is no longer available.**

In rare cases, the vehicle is no longer ready to drive.

The following fault memory entry is stored in the fault memory of the Gateway control unit (battery sensor):

- **P1D6C00** – 12-volt battery monitoring, no function (82000C)

The complaint can be triggered by the Gateway control unit (battery sensor) in conjunction with a software release of less than or equal to 0962.

Action: In the event of a customer complaint, re-program the Gateway control unit (battery sensor) using the Porsche Tester.



Information

The minimum programming requirement is the Porsche Tester software release: **43.900.025** (or higher).

Required tools

- Tools:
- **P90999 - Porsche 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 Charge battery and vehicle electrical system'*

Re-programming the Gateway control unit (battery sensor)

Work Procedure: 1 Re-program gateway control unit (battery sensor).

The basic work procedure for control unit programming is described in the Workshop Manual.

⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this action:

Required Porsche Tester software release:	43.900.025 (or higher)
Type of control unit programming:	Control unit programming using the ' Automatic programming ' function of the control unit: "Gateway" control unit – "Coding / Programming" menu – "Automatic programming" function.
Programming sequence:	Read and follow the information and instructions on the Porsche Tester during the guided programming sequence. During the programming sequence, the battery sensor is re-programmed and then automatically re-coded . Do not interrupt the programming and coding process. Backup documentation for the re-programmed software releases starts after programming.
Programming duration:	Programming takes up to 46 minutes , depending on equipment.
Software programmed during this action:	▪ Gateway control unit (battery sensor): Software release: 0965 (or higher) Following control unit programming, the software release can be read out from the respective control unit using the Porsche Tester in the menu ⇒ 'Extended identifications'.
Procedure if error messages appear during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'</i>
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Read out and delete all control unit fault memories.
- 3 Press **(F3)** to start the integration test in the control unit selection.
If there is an integration deviation for individual control units, these must be programmed before vehicle handover to the customer.

**Information**

If, despite the programming performed, a deviation is still displayed during the integration test, the test must be carried out again.

There must be no breaches of integration!

Control units with optional software can be ignored – with the exception of the Gateway control unit.

- 4 End the diagnostic application, end readiness for operation and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
90352540	Programming the Gateway control unit	

PCSS encryption:

Location (FES5)	27060	Vehicle electrical system battery
Damage type (SA4)	1611	not working

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