

High-Voltage Battery cannot be Charged / Fault Memory Entry "B200000" in the High-Voltage Charger Control Unit (111/25)

Vehicle Type: **Panamera 4 E-Hybrid (971)
Panamera 4S E-Hybrid (971)
Panamera Turbo S E-Hybrid (971)**

Model Year: **As of 2021 up to 2024**

Equipment: **7.2 kW on-board AC charger (I-no. KB2)**

Concerns: **High-voltage charger (on-board charger - OBC)**

Information: Customers complain that it is not possible to charge the high-voltage battery. The malfunction indicator light is also activated in the instrument cluster.
One or both of the following fault memory entries is stored in the high-voltage charger control unit fault memory:

- **B200000** - Control unit, function restriction (E11C11)

and / or

- **B200000** - Control unit, function restriction (E11C17)

Action: In the event of an existing customer complaint, re-program the high-voltage charger control unit using the Porsche Tester.



Information

The minimum programming requirement is the Porsche Tester software release: **43.800.000** (or higher)

Required tools

- Tool:
- **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 high-voltage charger control unit - model year M (2021)

Work Procedure: 1 Re-program the high-voltage charger control unit.

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:	43.800.000 (or higher)
Type of control unit programming:	Control unit programming using the ' Campaign ' function in the Additional menu on the Porsche Tester by entering a programming code.
Programming code:	G2S3U
Programming sequence:	<p>Read and follow the information and instructions on the Porsche Tester during the guided programming sequence.</p> <p>During the programming sequence, the control unit is re-programmed and then re-coded automatically.</p> <p>Do not interrupt the programming and coding process.</p> <p>A backup documentation process for the re-programmed software releases starts once programming and coding is complete.</p>
Programming duration:	Programming takes up to 8 minutes , depending on equipment.
Software programmed during this campaign:	<p>• High-voltage charger Software release: 1192 (or higher)</p> <p>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'.</p>
Procedure in the event of error messages appearing 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 the termination of control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 Read out and delete all control unit fault memories.

- 3 Exit the diagnostic application, switch off the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*

Re-programming the high-voltage charger control unit - model year N, P, R (2022, 2023, 2024)

Work Procedure: 1 Re-program the high-voltage charger control unit.

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:	43.800.000 (or higher)
Type of control unit programming:	Control unit programming using the 'Automatic programming' function of the control unit: 'High-voltage charger' 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 control unit is re-programmed and then re-coded automatically . Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts once programming and coding is complete.
Programming duration:	Programming takes up to 6 minutes , depending on equipment.

Software programmed during this campaign:	<ul style="list-style-type: none"> • High-voltage charger Software release: 1192 (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 in the event of error messages appearing 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 the termination of control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 Read out and delete all control unit fault memories.
- 3 Exit the diagnostic application, switch off the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 4 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.
27972549	Re-programming the high-voltage charger	

PCSS encryption:

Location (FES5)	27970	High-voltage charger
Damage type (SA4)	1614	Function not according to specification

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