

WSH9 - Re-program High-Voltage Battery Control Unit (Workshop Campaign)

Important: **CRITICAL WARNING** - This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **2025**

Model Line: **911 Carrera GTS (992)**

Concerns: **High-voltage battery control unit**

Cause: **A software error in the high-voltage battery control unit can cause an unauthorized red warning message "Risk of fire! Switch off and stop the vehicle in a roadworthy manner" to be displayed on the instrument cluster.**

Actions:

- Re-program the high-voltage battery control unit with the **latest** PIWIS Tester software release.
- Minimum requirement: Release **43.500.000**

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information)

Required tools

Tools:

- Battery charger with a current rating of **at least 90 A**, e.g., **VAS 5908 battery charger 90 A**
- **P90999 - P90999 - PIWIS Tester 4**

Re-program high-voltage battery control unit

- 1 Read and perform general preliminary work for control unit programming. ⇒ *Workshop Manual 'Basic instructions and procedure for control unit programming using the PIWIS Tester'*
- 2 Connect PIWIS Tester to the vehicle and switch on. PIWIS Tester.
- 3 **Re-program high-voltage battery control unit.**

Required PIWIS Tester software release:	43.500.000 (or higher)
Type of control unit programming:	Control unit programming using the " Automatic programming " function of the high-voltage battery control unit (BECM): " High-voltage battery (BECM) " control unit – " Coding/Programming " menu – " Automatic programming " function.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts after programming and coding.
Software release of the high-voltage battery control unit to be programmed during this campaign:	High-voltage battery control unit (BECM) Software release: 0478
Programming duration (up to):	10 minutes
Procedure in the event of error messages during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'</i>

- 4 Read out all **fault memories**. If necessary, work through existing faults and delete them.



Information

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found** and **corrected**. This work **cannot** be invoiced under the workshop campaign number.

- 5 Attach **Recall Proof of Completion label** to the front lid (**California Porsche Centers only**).

Instructions for attaching labels

- Surfaces on which you intend to attach the label must be clean, dry and free from grease and oil residues.
- Before attaching the label, clean the surfaces using a suitable cleaning agent and a clean, grease-free and lint-free cloth.
- This label must not be affixed over existing label.

- Attach label only at the specified positions.
- 5.1 Fill out the Recall Proof of Completion label ⇒ *Recall Proof of Completion Label* fully and correctly. This includes the recall code "WSH9", your Porsche Center code and the repair date.
 - 5.2 Clean the surface in the lower area on the front lid at the left-hand side in direction of travel at which the Recall Proof of Completion label must be attached ⇒ *Proof of Completion Label: specified position (Exemplary illustration)* -**arrow**- using a suitable cleaning agent and a clean, grease-free and lint-free cloth.
 - 5.3 Affix Recall Proof of Completion label in the lower area of the front lid at the lefthand side in direction of travel ⇒ *Proof of Completion Label: specified position (Exemplary illustration)* -**arrow**-.
 - 5.4 Close front lid.
- 6 Enter the campaign in the Warranty and Maintenance Logbook.



Recall Proof of Completion Label



Proof of Completion Label: specified position (Exemplary illustration)

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary work and rework. The labor times may differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1: Re-program high-voltage battery control unit

Labor time:		
Re-program high-voltage battery control unit		Labor time: 39 TU
Includes: Connect and disconnect battery charger Connect and disconnect PIWIS Tester Read out and delete fault memory Attach Recall Proof of Completion label and provide signed proof of correction to customer (California Porsche Centers only)		
PNA EMI 000 00	Label – Recall Proof of Completion	1 ea.
PNA 999 100 235	Certificate - Recall Proof of Correction	1 ea.
<p>* California Porsche Centers only:</p> <ul style="list-style-type: none"> ▪ For warranty processing, enter the Part No. PNA EMI 000 00 with the designation "label" as a local part at US\$ 0.34 in the warranty claim. ▪ For warranty processing, enter the Part No. PNA 999 100 235 with the designation "certificate" as a local part at US\$ 0.01 in the warranty claim. 		
⇒ Damage number WSH9 066 000 1		

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