

WSB4 - Re-Programming External Communication 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: **As of 2019 up to 2021**

Model Line: **911 (992)**
Cayenne (9YA / 9YB)

Equipment: VTS preparation and Porsche Car Connect (PCC) (**M-no. 7G9**)
or
Porsche Vehicle Tracking System Plus (PVTS Plus) (**M-no. 7I2**)

Concerns: **External communication control unit**

Cause: **A software error in the external communication control unit can cause an increased closed-circuit current under certain vehicle states and the 12V vehicle electrical system battery can therefore be discharged.**

Action: Re-program the external communication control unit using the PIWIS Tester.



Information

The minimum programming requirement is the PIWIS Tester software release **43.200.040** (or higher).

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

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. **VAS5908 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'*

Re-programming external communication control unit

Work Procedure: 1 Re-programme external communication control unit.

The basic 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'*.

For specific information on control unit programming during this campaign, see the table below.

Required PIWIS Tester software release:	43.200.040 (or higher)
Type of control unit programming:	Control unit programming using the ' Campaign ' function in the additional menu on the PIWIS Tester by entering a programming code.
Programming code:	A3D7K
Programming sequence:	<p>Read and follow the information and instructions on the PIWIS 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 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 time (approx.):	15 minutes
Software release of the Connect control unit to be programmed during this campaign:	<p>▪ Connect control unit Software release: 0423 (or higher)</p> <p>Upon completion of the control unit programming, the software release can be read out from the relevant control unit using the PIWIS Tester in the menu ⇒ 'Incremented 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 - section on "Troubleshooting"</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 Read out all **fault memories** process and delete existing faults if necessary.



Information

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

- 3 Exit the diagnostic application. Switch off the ignition. Disconnect **P90999 - PIWIS Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
- 5 Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing



Information

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

Scope 1:

Re-programming external communication control unit

- 911 (992)

Labor time:

Re-programming external communication control unit

Labor time: **49 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Reading out and deleting fault memories

: ⇒ **Damage code WSB4 066 000 1**

Scope 2: **Re-programming external communication control unit**

- Cayenne (9YA / 9YB)

Labor time:

Re-programming external communication control unit

Labor time: **45 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Reading out and deleting fault memories

⇒ **Damage code WSB4 066 000 1**

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