

WSF7 - Re-Program Power Steering Control Unit (EPS) (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 (992)**

Concerns: **Power steering control unit (EPS)**

Cause: **On the affected vehicles, there is a possibility that briefly fluctuating vehicle electrical system voltages may occur when the engine is started. This could cause a function test of the power steering control unit to fail.**
 If this is the case, this causes a reduction in the power steering and the yellow warning message "**Power steering reduced, onward driving possible**" appears in the instrument cluster.

Action: Re-program power steering (EPS) control unit via PIWIS Tester.



Information

The minimum programming requirement is the PIWIS Tester software release **43.400.030** (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. **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'*

Re-programming power steering control unit (EPS)

Work procedure: 1 Re-program power steering control unit (EPS).

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'*

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

Required PIWIS Tester software release:	43.400.030 (or higher)
Type of control unit programming:	Control unit programming using the "Automatic programming" function of the control unit: "Power steering (EPS)" 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. During the programming sequence, the control unit 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 5 minutes , depending on the equipment.
Software programmed during this campaign:	▪ Power steering (EPS) Software release: 0190 (or higher) Following control unit programming, the software release can be read out from the relevant control unit using the PIWIS Tester in the menu ⇒ "Incremented 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 a termination in the control unit programming:	Repeat control unit programming by restarting programming.

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



Information

If control units are found to have faults that are **not** attributable to 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 ignition and disconnect **P90999 - PIWIS Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.
- 5 Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing



Information

The stated labor time was determined specifically for carrying out this campaign and includes all necessary preliminary work and rework. The labor time can differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1:

Re-programming power steering control unit (EPS)

Labor time:

Re-programming power steering control unit (EPS)

Labor time: **37 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Read out and delete fault memory

⇒ **Damage code WSF7 066 000 1**

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