WSH8 - Re-Programming Instrument Cluster (Workshop Campaign)

Improtant: **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 2024**

Model Line: **718 (982)**
911 (991)

Concerns: **Instrument cluster control unit**

Cause: **On the affected vehicles, it is possible that the instrument cluster remains switched on when the ignition is switched off due to active oil warning messages from the DME control unit.**
This prevents a bus idle when the vehicle is stopped, in conjunction with an active oil warning message, and consequently a deep discharge of the vehicle electrical system battery during longer operating times.

Action: Re-program instrument cluster control unit using the PIWIS Tester.

Information
The minimum programming requirement is the PIWIS Tester software release **43.500.005** (or higher).

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

Required tools

Tool:
- **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 instrument cluster control unit

Work Procedure: 1 Re-program instrument cluster 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'*

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

Required PIWIS Tester software release:	**43.500.005** (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:	**Y5K8P**
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 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 **90 minutes**, depending on equipment.
Software release programmed during this action:	▪ **Instrument cluster control unit** Software release: **0942** (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:	⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*
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 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 specified 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 instrument cluster control unit**

Labor time:

Re-programming instrument cluster control unit		Labor time: **79 TU**
Includes:	Connecting and disconnecting battery charger	
	Connecting and disconnecting PIWIS Tester	
	Read out and delete fault memory	

⇒ **Damage code WSH8 066 000 1**