

WSH6 - Re-Coding Control Unit for Left and Right Headlights (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 2020 up to 2024**

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Equipment: LED headlights (**M-No. 8BM**)
or
LED headlights including Porsche Dynamic Light System Plus (**M. No. 8IS**)

Concerns: **Control unit for left and right headlights**

Cause: **On the affected vehicles, there is the possibility that the left and/or right headlight ventilation is not activated in certain driving situations.**
This may lead to a failure of the road illumination in the vicinity over the service life. Subsequently, a warning message "Check dipped beam defective headlights" is displayed on the instrument cluster.

Action: Re-code the left and right control unit for headlights using the PIWIS tester.



Information

The minimum requirement for coding is the PIWIS Tester software release **43.500.020** (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-coding control unit for left and right headlights

Work Procedure: 1 **Re-code the left and right control unit for headlights.**

The basic procedure to be followed for coding the control unit 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 coding of control units during this campaign, see the table below.

Required PIWIS Tester software release:	43.500.020 (or higher)
Type of control unit coding:	Control unit coding using the "Automatic coding" function for the control units: Select Left headlight control unit (A31) and Right headlight control unit (A27) – "Coding/programming" menu – "Automatic coding" function.
Coding sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided coding sequence. Do not interrupt coding. When coding is complete, the message "Coding has been completed successfully" is displayed, and a tick appears in the "Status" box.
Procedure if control unit coding is not successful :	Repeat control unit coding.

- 2 Read out and delete all control unit fault memories.
- 3 End the diagnostic application. End readiness for operation and disconnect **P90999 - PIWIS Tester 4** from 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 time was determined specifically for carrying out this campaign and includes all necessary preliminary and rework. The labor time may differ from the labor times published in the Labor Operation List in PCSS.

Scope 1:

Re-coding control unit for left and right headlights

Labor time:

Re-coding control unit for left and right headlights

Labor time: **32 TU**

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

⇒ **Damage number WSH6 066 000 1**

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