

ASA1 - Re-Code Front-End Electronics Control Unit (Stop Delivery / Recall 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 2025 up to 2026**

Model Line: **911 (992)**

Equipment: HD Matrix LED main headlights (**M-No. 8IU / 8IV / 8JU**)

Concerns: **Front-end electronics control unit (BCM1)**

Cause: **Due to faulty coding, the correct function of headlight beam adjustment cannot be guaranteed in all driving situations on vehicles with HD-Matrix LED headlights.**

This leads to a lowering of the dipped beam on the driver side when the fog-optimized dipped beam function is active, and to a raising of the dipped beam when the motorway dipped beam function is active. As a result, the light values as specified by regulations are not met.

Action: Re-code front-end electronics control unit (BCM1) using the PIWIS Tester.



Information

The minimum requirement for coding is the PIWIS Tester software release: **43.200.011**

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 Charge battery and vehicle electrical system'*

Re-code front-end electronics (BCM1) control unit

Work Procedure: 1 Re-code front-end electronics (BCM1) control unit.

The basic procedure to be followed for coding the control unit is described in the Workshop Manual: ⇒ *Workshop Manual '270689 Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit coding in the context of this Technical Information:

Required PIWIS software version:	43.200.011 (or higher)
Type of control unit coding:	Control unit coding using the ' Automatic coding ' function for the front-end electronics (BCM1) control unit: 'Front-end electronics (BCM1)' control unit – 'Coding / programming' menu – 'Automatic coding' function.
Coding sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided procedure. 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 Exit the diagnostic application, switch off the 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 booklet.

Warranty processing**Information**

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

Scope 1: **Re-code front-end electronics (BCM1) control unit**

Labor time:

Re-code front-end electronics (BCM1) control unit

Labor time: **45 TU**

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

⇒ **Damage number ASA1 099 000 1**

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