

**Yellow Warning Message "Battery Low" or Red Warning Message "Vehicle electrical system impaired" in the Instrument Cluster/Fault Memory Entry "P1D6C00" (25/25)**

Vehicle Type: **911 GTS (992)/911 4 GTS (992)**

Model Year: **2025**

Concerns: **12V Battery sensor**

Cause: **The customer complains that the yellow warning message "Electrical system fault" lights up in the instrument cluster; on continuing driving (> 7 km/h (4.35 mph)), this leads to the red warning message "Electrical system fault". If thereafter bus idle is restored, the warning message is no longer available.**  
The following fault memory entry is stored in the fault memory of the Gateway control unit:

- **P1D6C00** – Battery sensor defective (82000C)



**Information**

Optimized software is available for the 12V battery sensor in some vehicles. This software reduces the likelihood of repeat repairs.

In addition, a software solution is currently being developed in order to be able to permanently stop this error pattern. As soon as it becomes available, this Technical Information (TI) will be updated accordingly.

Action: If there is a customer complaint, re-program the Gateway control unit using the PIWIS Tester.



**Information**

The minimum programming requirement is the PIWIS Tester software release **43.300.015** (or higher).

**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 vehicle electrical system battery'*



**Information**

The battery charger must be set to maintain a minimum battery voltage of 14V before initiating the programming.

**Re-program gateway control unit (battery sensor)**

Work Procedure: 1 Re-program gateway control unit (battery sensor).

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'*

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

Required PIWIS Tester software release:	<b>43.300.015</b> (or higher)
Type of control unit programming:	Control unit programming using the " <b>Automatic programming</b> " function of the gateway control unit: <b>"Gateway"</b> control unit – " <b>Coding/Programming</b> " menu – " <b>Automatic programming</b> " function.
Programming sequence:	Read and follow the <b>information and instructions on the PIWIS Tester</b> during the guided programming sequence. During the programming sequence, the <b>Gateway control unit (battery sensor)</b> is first <b>re-programmed</b> and then <b>automatically re-coded</b> . <b>Do not interrupt the programming and coding process.</b> Before the control units have been programmed and coded, you will be prompted to switch the ignition off and back on again after a certain waiting time. Backup documentation of the new software releases is then performed.
Programming time:	Programming takes up to <b>13 minutes</b> , depending on equipment.
Software release programmed during this action:	• <b>Gateway control unit (battery sensor)</b> Software release: <b>0963</b> (or higher) 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 ⇒ 'Extended 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 - Section on "Troubleshooting"</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.
- 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.  
 ⇒ *Workshop Manual '270689 Charge vehicle electrical system battery'*

### Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
90352540	Re-program gateway control unit	

PCSS encryption:

Location (FES5)	27060	Vehicle electrical system battery
Damage type (SA4)	6047	Diagnostic error

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