

Red Warning Message "HV Vehicle Electrical System: Malfunction! Stop the Vehicle Safely": Observe Specified Procedure (21 / 25)

Model Line: **Macan (XAB)**

Model Year: **As of 2023**

Concerns: **Rear high-voltage pulse inverter (JX1)**

Cause: **The customer complains about a red warning message at start-up "HV vehicle electrical system: Malfunction! Stop vehicle safely" in the instrument cluster. Even after an ignition change (ending driving readiness and starting again), the vehicle is still not ready to drive and displays the same warning message. If a bus rest of approx. 8 minutes is performed, the warning message disappears when the vehicle is started and the vehicle is ready to drive again. All of the following fault memory entries are stored in the fault memory of the rear pulse inverter control unit (JX1) and these were entered **simultaneously** (time stamp identical):**

- **POC0C00** - Rear high-voltage pulse inverter (JX1), phase generation, internal power supply, electrical fault **(01060B)**
- **POC0C00** - Rear high-voltage pulse inverter (JX1), phase generation, internal power supply, electrical fault **(01063F)**
- **POE8D00** - Rear high-voltage pulse inverter (JX1), rear electric machine voltage sensor (VX90), electrical fault **(010688)**

If the fault memory entries were not entered at the same time, this Technical Information (TI) does not apply.

Action: No action is required if the bus idle of approx. 8 minutes has caused the fault pattern to heal. If the fault is active again, lock the vehicle and wait for approx. 8 minutes to perform another bus idle. Make sure that the driver's key is outside the reception area of the vehicle during this period.

The vehicle can continue to be used without further restrictions.



Information

Component replacement will **not** work in the case of this fault pattern.

A software solution for this complaint is currently being worked on. As soon as it becomes available, this Technical Information (TI) will be updated accordingly.

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.