

XAB- Electrical System Error for High-voltage Battery Sensor 1

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Macan	As of 2024	XAB	N/A	N/A

Revision History

Revision	Release Date	Changes
0	September 29, 2025	Original document

Condition

The customer complains of a sporadic or constant electrical system error message in the instrument cluster. Engaging a gear or charging may also not be possible in some cases.

The workshop may or may not be able to reproduce the complaint, but finds fault(s) POAA800 - High-voltage battery sensor 1 (J1297) and/or POAA900 high-voltage battery sensor 1 (J1297), faulty (227317) active in the High-voltage battery (J1120) control unit.

Technical Background

One of the HV battery voltage sensors (UI sensors) inside the E-box can have an internal failure leading to this condition. The root cause is currently understood to be a hardware failure, and can occur regardless of software level in the High-voltage battery (J1120) control unit.

However, there are also cases where the diagnostic sensitivity of the HV battery control unit is too high, and it erroneously sets a POAA800 or POAA900 code in the absence of an actual complaint.

Advanced Technical Information

Bulletin #: 2526

Part ID: 9320

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Service Information

If one or both of these faults are stored active, the HV battery isolator (E-box) should be replaced with part number PAC915251E or later for this condition according to workshop manual instructions.

If the faults are stored passive in the control unit with no history of an electrical system error message or similar complaint, it can be cleared and ignored.

Warranty

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
03350050	On board diagnostic	
03350053	On board diagnostic	
93201950	High-voltage battery E-box remove and reinstall	

PCSS encryption:

Location (FES5)	9320	E-box HV battery
Damage type (SA4)	1611	Does not function

Search Items

Macan, H2, HV, E-box, Voltage, sensor, UI, electrical system error, POAA800, POAA900, Battery isolator, UI sensor

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