

9YA, 9YB, YAA PHEV- HV Battery Control Unit (BMC) Software Updates

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	As of 2024 up to 2025	9YA, 9YB	N/A	PHEV
Panamera	2025	YAA, YAB	N/A	PHEV

Revision History

Revision	Release Date	Changes
0	March 24, 2025	Original document

Condition

The customer complains of a MIL in the instrument cluster. The workshop finds fault code B11B300 - High-voltage battery disconnection element ignition circuit (AX2), equipment error (217000) in the HV Battery Control unit (BMC) leading to the diagnosis of a SW issue.

Technical Background

This fault can present erroneously in previous BMC SW versions. The hardware is not found faulty in these specific cases.

Service Information

The occurrence of this fault can be remedied with a SW update of the HV Battery control unit and E-box using the PIWIS tester with SW 43.200.041 or newer.

There are currently two different update routines available. First check the current software version via Extended Identifications for the HV battery control unit. If the software levels for both the BMC and E-box are earlier than 200, the automatic programming routine in Coding programming should be used to perform the update.

If the software versions are 200 or automatic programming is not successful, initiate a campaign update routine using code **E3B1D** for Cayenne or **G3B1D** for Panamera.

Advanced Technical Information

Bulletin #: 2508

Part ID: 2794

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In order to run the campaign code update procedure successfully, the service disconnect must be opened to deactivate the HV system first. It can be reconnected after successful completion of the campaign update procedure.

After a successful update from either method, the SW levels will reach the target versions shown in the table below.

Model	Target BMC SW	Target BJB SW
Cayenne	202	207
Panamera	203	207

After performing either programming process according to the instructions in PIWIS tester, faults may appear in the fault memory. Perform a vehicle bus sleep for at least 5 minutes and ensure all subsequent faults have cleared before returning the vehicle.

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-Create VAL	
27942577	High-voltage battery control unit program	

PCSS encoding:

Location (FES5)	27080	High-Voltage Battery
Damage type (SA4)	1134	Programming Error

Search Items

Cayenne, PHEV 2.0, MIL, HV Battery, 9YA, 9YB, E-Hybrid, Panamera, YAA, E3PA, G3

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