

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 |
| 1 | May 29, 2025 | Update to Condition (fault codes) and Service Information (Cayenne Target BMC SW) |

Condition

The customer complains of a MIL in the instrument cluster or the vehicle unable to start due to an electrical system error. The workshop finds one or both fault codes in the HV Battery Control unit (BMC) leading to the diagnosis of a SW issue.

- B11B300 - High-voltage battery disconnection element ignition circuit (AX2), equipment error (217000)
- P060100 - Function restriction (100043)

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.

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. Note that the HV system service disconnect must be opened to update the Cayenne to version 204 with either method.

| Model | Target BMC SW | Target BJB SW |
|----------|---------------|---------------|
| Cayenne | 204 | 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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