

**SIB 61 22 25****PHEV – MALFUNCTION INDICATOR LAMP (MIL) & FAULT CODE BA0023/BA0008 STORED
2026-03-03**

This Service Information bulletin (Revision 1) supersedes SI B61 22 25 **dated December 9, 2025.**

What's New:

- Correction updated: ISTA version and I-level
- Claim Information updated

☒	THIS REPAIR IS MOBILE FRIENDLY
☒	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

MODEL

E-Series	Model Description
G05 LCI	X5 Sports Activity Vehicle (PHEV plug-in hybrid electric vehicle, model Year 2024 and newer)
G09	BMW XM and BMW XM Label (PHEV)
G60	550e xDrive Sedan (PHEV)
G70	750e xDrive Sedan (PHEV)
G90	M5 Sedan
G99	M5 Touring

SITUATION

Malfunction indicator lamp (MIL) is triggered by the erroneous fault code(s) **BA0023 - Control unit: internal fault (software group fault)** In addition, the **BA0008 - CCU, internal coolant temperature sensor: Signal implausible** faults may be stored in the CCU memory.

However, AC charging is still operating as designed, without any related drivability complaints.

Affected PHEV vehicles have the CCU-03 (7.4 kW / 11 kW) with I-levels from 24-07-500 to 25-11-5xx.

CAUSE

Unfavorable Combined Charging Unit (CCU) software that will lead to the erroneous faults BA0023 and BA0008 stored and will trigger the malfunction indicator lamp (MIL).

CORRECTION

In the event an Affected Vehicle arrives with the issue stated above, proceed as follows:

Read out I-level of the vehicle.

- If the I-level is lower than 26-03-532,
 - Program and encode the vehicle with ISTA 4.58.2x to I-level 26-03-532 or higher
- The ISTA version is expected to be available as of early March 2026
- Reassess the vehicle

Note: Parts replacement does not provide a remedy and is therefore not permitted.

Or-

If the I-level is already 26-03-532 or more recent:

- Do not program the vehicle
- Carry out/continue diagnosis with ISTA

- Reassess the vehicle

Note:

Until ISTA I-level ...26-03-532 is available, this issue (malfunction indicator lamp (MIL) and fault memory entries can occur multiple times.

If AC charging is working as designed and there is not a charging complaint, exchanging the CCU will not eliminate the problem and is therefore not permitted.

Please inform the customer that there is no operational problem with the vehicle, and that a software update is expected in March 2026. The vehicle should be released back to the customer, and it should be documented in the repair order that the customer was informed of the situation.

If a customer refuses to pick up their vehicle, the area team should be contacted immediately. Vehicles should not sit at the dealership awaiting the software update.

Note for BMW Roadside Assistance:

The fault may occur at home or public charging stations. In this case: Disconnect the charging cable. Secure the vehicle and allow it to go to sleep, then start it again.

The customer may drive to the workshop without assistance to receive the new I-level.

PARTS INFORMATION

Note: Do not replace any parts as it does not provide a remedy and is therefore not permitted.

CLAIM INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, concurrently by the State-specific Emissions Warranty (dependent on the vehicle's model year, state of registration and its inclusion on the model-specific list of covered components).

Repair Code:	6144020200	CCU Combined Charging Unit control unit (Hybrid/E-vehicle) Software error / internal device fault
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Obtain the flat rate unit (FRU) allowances for the following that applies.

Labor Operation	Description	Labor Allowance
00 00 006	Carrying out vehicle test (Main work)	As applicable
Or:		
00 00 556	Carrying out vehicle test (Plusposition)	As applicable
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	As applicable
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU

And when the:

Vehicle's I-level is below ISTA I level 26-03-532 (version 4.58.2x) and this updated software or higher is available to install.

Labor Operation	Description	Labor Allowance
61 00 730	Program/encode control unit(s), includes deleting the fault	As applicable

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If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

Work time labor operation codes 61 00 006 and 00 58 500 are not considered Main labor operations.

Claim Repair Comments

Reference the SIB number and the issue (briefly) in the technician’s RO notes, and in the claim comments (For example: B61 22 25 CCU software update, unless otherwise required by State law.

Vehicle Programming and Encoding – Additional Work (RO and Claim Comments Required)

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) under the Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

(*) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

Other Repairs

If other eligible and covered work is performed because of performing the ISTA diagnostics, related test plans, and/or other approved diagnosis procedures, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

BMW Group’s AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the Chassis Number (last seven (7) characters of the VIN), and click on the “Search” icon. If the “Vehicle Selection” window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the “Flat Rate Units” button and enter a flat rate labor operation code number “without spaces” in the field to the right, click on the “Search” icon to display the corresponding listing of “Flat rate unit group details” that are available and their corresponding FRU allowances.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

