BMW   SIB 64 03 25   2025-03-13
                 CHECK ENGINE LIGHT ON FROM MISSING MESSAGE DTC IN IHKA

What's New:
- Fault Code not showing on vehicle test
- Model G09 added
- Procedure: RSU 24-11-574 added

☐	THIS REPAIR IS MOBILE FRIENDLY

MODEL

E-Series	Model Description	Production Date	Engine
G05	X5 xDrive50e	Vehicles produced from July 2024 to March 2025	XB1N
G09	BMW XM	Vehicles produced up to March 2025	XB1T

SITUATION

Check Engine Light is illuminated, check control message indicates "bring in for service". The faults themselves and the Malfunction Indicator Lamp (MIL) have no functional effect on the vehicle.

There are multiple missing message fault codes (DTC) stored in the integrated automatic heating/air conditioning system (IHKA) control unit.

These faults may include:
- E71458 - AC-LIN: Message EKMV20
- E71459 - AC-LIN: Message EDH

NOTE: These faults are secondary message faults and may not show up when performing the vehicle test. They will show up when looking at the operation report.

CAUSE

Software in the IHKA control module.

On-Board Diagnostics (OBD) requires monitoring of the multiple battery cooling control modules communication to the engine control module. If communication is interrupted, a Check Engine Light can result.

CORRECTION

Program/encode the IHKA control module.

The missing message faults will no longer appear, <u>unless relevant</u>, once the vehicle is updated with ISTA 4.52.15 to I-Level 25-03-530 (Backup I-level S18A-24-11-570)

PROCEDURE

Determine the vehicle's current integration level (I-Level) by either using AIR or the Key Reader ISPA Next/AWP (Aftersales Workplace) applications.

1. Is the current vehicle I-level lower than:

Model	Target integration level
G05, G09	S18A-25-03-530 Or S18A-24-11-570

YES: Proceed to Step 2

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NO: Further diagnosis with ISTA is needed

2. Program the vehicle using ISTA 4.52.15 or higher (released February 21, 2025).

Model	Target integration level
G05, G09	S18A-25-03-530 Or S18A-24-11-570

Special Note: Currently there is an Execution Break and the backup I-Level needs to be used S18A-24-11-570.

This backup I-Level has the improved software needed for the IHKA.

After the programming has been fully completed, check the functionality of the system.
Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW-approved battery charger/power supply (SI B04 23 10).

For information on programming and coding with ISTA, refer to TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

A Remote Software Update (RSU) update with 24-11-574 I-Level is scheduled to be released to these vehicles on Monday March 17, 2025. Once the RSU is available, customers will be able to correct the issue on their own.

PARTS INFORMATION
Part exchange of the IHKA control unit does not provide a solution.

CLAIM INFORMATION
Vehicle Programming and Encoding

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

Select one of these open Technical Campaigns instead to perform and submit for updating the vehicle to the required I-level, or higher when applicable (Includes labor operation codes 00 00 006/556, 61 21 528 and 61 00 730).

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only when the above does not apply, the BMW software solution is then covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, or the BMW Certified Pre-Owned Program as described below.

Repair Code:	6411230200	Control unit of front heating and air conditioning system Software error / internal device fault

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 work)**	As applicable

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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:		
61 00 730	Program/encode control unit(s), includes deleting the fault memory	As applicable

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 them (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.

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 appliable 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 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.

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Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department