SI B12 10 18
Engine Electrical Systems
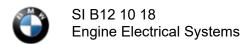
June 2019
Technical Service

MALFUNCTION INDICATOR LAMP (MIL): IHKA FC 801386

This Service Information bulletin supersedes SI B12 10 18 dated April 2018.

What's New:

• Added note instructing not to replace part.

MODEL

F15 PHEV (X5 xDrive40e)

SITUATION

- After program the vehicle with I-Level F025-17-11-500 or higher; the Malfunction Indicator Lamp (MIL) illuminates while driving.

- Fault code 801386 - "Electric auxiliary heater: OBD coolant temperature sensor above operating range" is stored in the integrated automatic climate control system (IHKA) control unit

CAUSE

Software error in the IHKA control unit.

CORRECTION

Reprogram the vehicle with ISTA 4.10.4x or higher.

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA, working through test module, if needed.

   Is Fault code 801386 stored in the IHKA control unit?

   YES- go to next step.

   NO – continue diagnosis with ISTA.

2. Program the vehicle using ISTA 4.10.4x or higher.

Model	Target integration level
F15 PHEV (X5)	**F025-18-03-530** or higher

Note that 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**).**

Note: A part exchange will not correct the concern and is not required!

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	6421051500	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

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.

Refer to KSD2/AIR for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Vehicle Programming and Encoding

A. The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur "during" this programming procedure:

• Please claim this "consequential" control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

Please explain this additional work (The why and what) on the repair order in the claim comments section.

B. For control module failures that occurred "prior" to performing this programming procedure; and/or

C. Other work/repairs that results from continuing the ISTA diagnostics and performing the related test plans:

• When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in KSD2/AIR.