



SIB 64 13 25

IHKA FAULT CODE 8013FE SW RUN TIME ERROR

2025-12-18

<input checked="" type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
<input type="checkbox"/>	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

MODEL

G05 (X5 Sports Activity Vehicle)	G06 (X6 Sports Activity Coupe)	G07 (X7 Sports Activity Vehicle)	G09 (BMW XM Sports Activity Vehicle)
G20 (3 Series Sedan)	G22 (4 Series Coupe)	G23 (4 Series Convertible)	G26 (4 Series Gran Coupe)
G29 (Z4 Roadster)			

SITUATION

When performing a vehicle test, diagnostic trouble code “**8013FE** Software run time error” is found in the IHKA module.

If this fault is set for two consecutive life cycles, it will turn on the check engine light on vehicles with an I-level lower than 24-11-570.

This fault memory entry does not cause an impairment of functionality of the automatic air conditioning system.

CAUSE

Unfavorable software in the integrated automatic heating/air conditioning system (IHKA) control module.

CORRECTION

If vehicle I Level is lower than S18A-24-11-570 program the vehicle with ISTA.

Once at S18A-24-11-570, the fault code 8013FE will no longer turn on the check engine light and can be ignored.

PROCEDURE

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

Is the current vehicle I-level lower than:

Integration level	Model
S18A-24-11-570	G05, G06, G07, G09, G20, G22, G23, G26, G29

YES: Proceed to Step 2

NO: Continue diagnosis with ISTA and work through the corresponding test module if necessary.

2. Program the vehicle using ISTA 4.52.2 or higher.

Model	Target integration level
G05, G06, G07, G09, G20, G22, G23, G26, G29	S18A-24-11-570 or higher

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](#)).

3. After the programming has been fully completed, check the functionality of the system.

If vehicle is at 24-11-570 or higher software level, fault code 8013FE will no longer turn on the check engine light and the fault can be ignored.

The integrated automatic heating/air conditioning system must not be replaced solely for this stored fault code.

PARTS INFORMATION

Parts replacement is not necessary and does not provide a remedy.

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 remaining 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 including the PZEV / TZEV program coverage for vehicles registered in an active CA Emission statute state, 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 (Touch Screen Display Vehicles)
	Or:	
	6411640200	Control panel of front heating and air conditioning system (incl. control unit) Software error / internal device fault (Non-Touch Screen Display Vehicles)

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:		
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 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 Copyright ©2025 BMW of North America, Inc.

	<u>Warranty Documentation Portal</u>
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

