



SERVICE ENGINE SOON (MIL) - IHKA FC 8013A3

MODEL

I01 (i3 & i3Rex)	I12 (i8)	I12 (i8)
------------------	----------	----------

SITUATION

- The malfunction indicator lamp (MIL) illuminates at start-up or during trip.
- Heating function is usually working properly.
- Fault code 8013A3 " Electric auxiliary heater (high voltage): OBD temperature sensor, coolant below operating range" is stored in the fault memory of the IHKA control unit.

CAUSE

IHKA control unit software.

CORRECTION

Reprogram vehicle

PROCEDURE

For conditions that are similar to situation described:

1. Run diagnostics with ISTA.

Is the code 8013A3 " Electric auxiliary heater (high voltage): OBD temperature sensor, coolant below operating range" stored in the fault memory of the IHKA control unit?

YES- do not delete the fault memory. Go to step 2.

NO – this bulletin does not apply.

2. Perform a functional check of the electric heater (EH).

Did the EH function correctly?

YES- delete the fault memory. Go to next step.

NO – go to step 4

3. Check the Integration level of the vehicle.

Is the integration level below that listed in the following table?

Vehicle	Integration Level
I01 (i3 & i3Rex)	I001-16-03-505
I12 (i8)	F056-16-03-504
F30 PHEV (330e)	F02016-03-504

YES- program the vehicle with ISTA/P version 3.58.3 or newer to the I-levels shown in the table.

NO – go to next step.

- Continue diagnosing the EH with the appropriate test module in ISTA/D.

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:	64 21 05 15 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

And, for the:

I01 (i3, i3Rex) and I12 (i8)

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging unit)
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)

And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery to EME")

Or, for the:

i3 Only

Labor Operation:	Labor Allowance:	Description:
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "i3) (luggage compartment service cap removed)

F30 PHEV (330e)

Labor Operation:	Labor Allowance:	Description:
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery")
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)

Refer to KSD2 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.

Vehicle Programming and Coding

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

Other Repairs

Control module failures that occur prior to programming and/or additional work is performed as a result of performing the ISTA diagnostics and related test plans:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

[Copyright ©2016 BMW of North America, Inc.]