



## MODEL

I01 (i3 &amp; 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.

4. 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.

<b>Defect Code:</b>	<b>64 21 05 15 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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)

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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)

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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.