



## A/C FAILURE: FC 801252 ELECTRIC A/C COMPRESSOR: INTERNAL FAULT DETECTED

### MODEL

F15 PHEV (X5 xDrive40e)	F30 PHEV (330e)	I01 (i3 & i3 Rex)	I12 (i8)
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### SITUATION

Air conditioning (A/C) failure with IHKA fault code "801252 - Electric A/C compressor: Internal fault detected".

### CAUSE

IHKA software fault in the versions detailed in the following table:

Model	ISTA/P version	Integration level
F15	3.57.3	F025-15-11-505
F30	3.57.2	F020-15-11-504
I01, I12	3.57.0	I001-15-11-501

### CORRECTION

Reprogram vehicle after verification of fault memory entry.

### PROCEDURE

**Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.**

1. Run diagnostics with ISTA.

**Does fault memory entry "801252 - Electric A/C compressor: Internal fault detected" appear?**

YES- Delete the fault memory. Continue with next step.

NO – Continue diagnosis with ISTA/D.

2. Check A/C compressor.

**Does the A/C compressor start up?**

YES – Reprogram the vehicle using ISTA/P with the appropriate software detailed in the following table. Continue with next step.

NO – Continue diagnosis with ISTAD.

Model	ISTA/P version	Integration level
F15	3.59.3	F025-16-07-504
F30	3.59.3	F020-16-07-504
I01, I12	3.59.0	I001-16-07-501

**Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).**

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software. For information on programming and coding with ISTA/P, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

3. Check fault memory again.

**Did the fault memory entry “801252 - Electric A/C compressor: Internal fault detected” reappear?**

YES – Perform the associated test plan for fault code 801252.

NO – The vehicle is repaired.

**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 11 64 14 00</b>
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All

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:

**F15 PHEV (X5 xDrive40e) and 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:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

Or, for the:

**I01 (i3 & i3 Rex) 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:		
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:

**I01 (i3 & i3 Rex)**

<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)

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

## **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.

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