



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

This Service Information bulletin replaces SI B64 13 16 dated August 2016

### What's New:

- The Warranty defect code has changed

### 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 ISTA/D.

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

**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>6411640200</b>	<b>UPDATE!</b> F15 (X5)
	<b>Or:</b>	
	<b>6411230200</b>	<b>UPDATE!</b> F30 (330e), I01 (i3 & i3 Rex) and I12 (i8)
<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) (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 to EME”)
Or, for the i3 (I01):		
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as “i3”) (luggage compartment)

		service cap removed)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)
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

**UPDATE!**

### 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 performing ISTA diagnostics and 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.

Posted: Thursday, March 1, 2018

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