



---

# MALFUNCTION INDICATOR LAMP ILLUMINATED/ EME FAULT

## MODEL

F30 PHEV (330e)
-----------------

## SITUATION

Malfunction Indicator Lamp (MIL) is illuminated.

Fault codes stored:

EME

2230ED – DOBD - OBC – Signal AVL\_U\_HVSTO (Status HVSTO, 0x112) invalid receiver SLE, transmitter SME

OBC:

CE1416-Signal AVL\_U\_HVSTO (Status HVSTO, 0x112) invalid receiver SLE, transmitter SME

## CAUSE

Software insufficiency in the Convenience Charging Electronics (OBC).

## CORRECTION

Diagnose with ISTA and reprogram and recode the vehicle.

## PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.

**Was the 2230ED the ONLY fault code stored in the fault memory of the EME but fault code CE1416 is NOT stored in the fault memory of the OBC?**

**YES** — Delete the fault memory.

**NO** — Follow the diagnostic suggestions.

2. Program the vehicle using ISTA Next 4.06.1x or ISTA/P 3.62.0 or higher.
-

**F30 PHEV (330e)**Target integration level: **F020-167-07-500** or higher

Note that ISTA/P 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](#)).

For information on programming and coding with ISTA/P, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

## WARRANTY INFORMATION

**Only fault code “2230ED” is stored: Quick delete**

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code	6144011500	
Labor Operation:	Labor Allowance:	Description:
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 KSD 2 as Charging battery)

Or:

**Fault codes “2230ED” and “CE1416” are stored: Re-Program vehicle as described above**

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	6144011500	

<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 KSD 2 as Charging battery)
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.

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

### **Vehicle Programming and Coding**

When ISTA/P automatically reprograms and codes all the vehicle's control modules that "currently do not have" the latest software and 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.

Control module failures that occurred "prior" to performing this programming procedure:

- When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations in KSD2/AIR.

[ Copyright ©2017 BMW of North America, Inc. ]