



## DME FAULT CODE CDC203

### MODEL

F30 PHEV (330e iPerformance)	F15 PHEV (X5 xDrive40e)
G12 PHEV (740e xDrive iPerformance)	G30 PHEV (530e iPerformance)

### SITUATION

One or more of the following Check Control messages (CCM) is displayed:

- "Engine fault! Power loss" (CCM-ID: 29)
- "Battery charging fault!" (CCM-ID: 213)
- "Powertrain malfunction!" (CCM-ID: 633)

Note: Other CCMs may also be displayed.

Various control units contain faults indicating missing messages from the battery management electronics (SME).

The digital motor electronics (DME) also registers the following fault code:

- CDC203 - No message (high-voltage battery 2 status, 0x112), receiver DME, transmitter SME

### CAUSE

SME software.

### CORRECTION

Reprogram the vehicle.

### PROCEDURE

For conditions that are similar to the situation described:

1. Verify the current I-level of the vehicle.

**Is the current I-level higher than ISTA 4.07.3x (I-level 17-07-507)?**

**YES-** Follow the diagnosis in ISTA

**NO –** Go to step 2.

2. Program the vehicle using ISTA 4.08.1x (I-level 17-11-520) or a more recent version.

Note that ISTA 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, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

## 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>6127050200</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) (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")
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.

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.

### 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.
- B. For control module failures that occurred "prior" to performing this programming procedure and/or 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 in KSD2/AIR.

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