BMW | SI Engine Electrical Systems B12 01 17 Technical Service
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Technical Service

DRIVE POSITION OR ELECTRIC DRIVING IS NOT POSSIBLE

MODEL

| G12 PHEV (740e xDrive iPerformance) | F30 PHEV (330e) |

SITUATION

With engine running, it is impossible to:

- Select Drive with gear selector
- Utilize electric motor

One or more of the following CC messages is shown:

- "Hybrid system malfunctioning!" (ID: 585)
- "Drive. No restart" (ID: 586)

Error condition is cleared (vehicle can be driven) after vehicle is in sleep mode for approximately 16 minutes.

CAUSE

Software incompatibility.

CORRECTION

Program and encode the vehicle with ISTA/P 4.04.1x or ISTA 3.61.0 (integration level 17-03-500/501) or a more recent version.

PROCEDURE

For conditions that are similar to the situation described:

1. Read out the fault memory (FS) of the vehicle.

   Are one or both of the following fault codes (FC) entered in the FS of the convenience charging electronics (KLE) or the Digital Motor Electronics (DME):

   • DME: CDBB3C - No message (actual data charging electronics, 0x108), receiver DME, transmitter EME

• KLE: CE140D - Message (drive train data 2, 0x3F9) missing, receiver KLE, transmitter DME/DDE

Note: The following fault codes can also be entered in the fault memory of the electrical machine electronics (EME):

• 2233A6 – High-voltage safety function, AC circuit: overload current

• 0317DB - High-voltage safety function, AC circuit: overload current

NO – continue diagnosis with ISTA.

YES- Program and encode the vehicle with ISTA 4.04.1x or ISTA 3.61.0 or higher.

Model	Target integration level
G12 PHEV	S15A-17-03-500 or more recent
F30 PHEV	F020-17-03-500 or more recent

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

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:	61 27 05 02 00	
Labor Operation:	**Labor Allowance:**	**Description:**
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
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:		
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "i3) (luggage compartment service cap removed)

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) allowance.

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles "arriving" with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed "prior" to programming and coding the vehicle or as a result of the diagnosis related to the return of the above fault after programming, claim this work with the applicable defect code and labor operations listed in KSD2.