



ERRONEOUS INTERNAL FAULT 10501D IS STORED IN THE DME

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F31 (3 Series Sport Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	G12 (7 Series)
G30 (5 Series Sedan)			

With the B46O, B46O, B58M, N63R, and N74B engine equipped.

SITUATION

The following fault is erroneously store in the Digital Motor Electronics (DME).

- FC 10501D – DME: internal fault, processor monitoring MOXEMM_FCCU32

This fault does not cause any drivability complaints or engine warning lamps. This fault is normally detected during unrelated work.

CAUSE

Error in the DME software.

CORRECTION

Update the vehicle software using ISTA Next 4.09.1x or higher.

If the vehicle integration level is on a higher software level, perform diagnostics with ISTA Next.

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.
2. Program the vehicle using ISTA Next 4.09.1x or higher to appropriate level shown below:
- 3.

Model	Target Integration Level
F22	F020-17-11-540
F23	
F30	
F31	

F32
F33
F34

Model	Target Integration Level
G12	S15A-17-11-540

If the vehicle is above the target integration level, continue diagnosis with ISTA.

The DME / DDE may not be replaced for this fault below the target integration level.

Note that ISTA Next 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 (SIB04 23 10).

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

This repair is also covered by the terms of the Federal and the State-specific Emissions Warranty (dependent on the vehicle's model year and state of registration).

The BMW Certified Pre-Owned Limited Warranty applies to BMW vehicles that have and are still within the BMW Certified Pre-Owned coverage period, but beyond Emissions Warranty coverage that applies.

Defect Code:	1042315900	
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)
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

ISTA automatically reprograms and codes all the vehicle control modules that 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

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.

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