



SERVICE ACTION: PROGRAM THE DIGITAL MOTOR ELECTRONICS (DME)

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F32 (4 Series Coupe)
F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series GC)	

AFFECTED VEHICLES

This Service Action involves approximately 30,162 vehicles produced from 7/26/2016 to 11/29/2018.

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

SITUATION

In the DME control unit software, a function to protect components was incorrectly implemented. This function should protect internal engine components, in case the engine is run at high speed for too long when stationary.

CAUSE

A software error in the Digital Motor Electronics (DME).

CORRECTION

Program the vehicle using **ISTA 4.14.34** or higher.

PROCEDURE

Program the vehicle using **ISTA 4.12.34** to the appropriate level shown below:

Model	Target I-level
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F22 (2 Series Coupe)	F020-18-11-531 or higher
F23 (2 Series Convertible)	
F30 (3 Series Sedan)	
F32 (4 Series Coupe)	
F33 (4 Series Convertible)	
F34 (3 Series Gran Turismo)	
F36 (4 Series GC)	

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 (SI [B04 23 10](#)).

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

WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	0012880400	
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Completion “before” the first vehicle delivery to a customer or the vehicle is already in the workshop

Labor Operation:	Labor Allowance:	Description:
00 67 736	8 FRU	Programming and encoding control units (includes connecting an approved battery charger/power supply and performing a vehicle test) (Plus work)
Or:		
00 67 737	1 FRU	Programming and encoding control units performed in conjunction with another campaign or repair (vehicle is at the specified “Target” integration level or higher, no repair is necessary) (Plus work)

The vehicle arrives at your center and this Service Action shows open (No other main work will be performed/claimed during this workshop visit)

Labor Operation:	Labor Allowance:	Description:
00 67 168	9 FRU	Programming and encoding control units (includes connecting an approved battery charger/power supply and performing a vehicle test) (Main Work)
Or:		

00 67 169	1 FRU	Programming and encoding control units performed in conjunction with another campaign or repair (vehicle is at the specified "Target" integration level or higher, no repair is necessary) (Main work)
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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.

Programming and Encoding - Vehicle Control Units

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 AIR/KSD2 labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

B. For 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 (including diagnosis) in AIR/KSD2.

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