



## SERVICE ACTION: PROGRAM CONTROL UNITS (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)	F31 (3 Series Sport Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series GC)
G01 (X3)	G12 (7 Series)	G30 (5 Series Sedan)	G32 (6 Series Gran Turismo)

### AFFECTED VEHICLES

This Service Action involves 8,689 vehicles equipped with B46O and B58M engines. The affected vehicles were produced from December 1st, 2017 to February 8th, 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

The check engine light is illuminated and the vehicle may run roughly

### CAUSE

A software error in the Digital Motor Electronics (DME)

### CORRECTION

Program the vehicle using **ISTA 4.11.1x** or higher

### 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 4 to the appropriate level shown below:

The following I-levels are contained in **ISTA 4.11.1x** or higher:

Model	Target I-level
F22 (2 Series Coupe)	<b>F020-18-03-532</b> or higher
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)
F36 (4 Series GC)

Model	Target I-level
G01 (X3)	<b>S15A-18-03-532</b> or higher
G12 (7 Series)	
G30 (5 Series Sedan)	
G32 (6 Series Gran Turismo)	

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

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

<b>Defect Code:</b>	<b>0012670400</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 66 697	8 FRU	Programming and coding (includes connecting an approved battery charger/power supply and performing a vehicle test) (Plus work)
Or:		
00 66 698	1 FRU	Programming and coding was performed previously in conjunction with another campaign or repair (vehicle is already at the specified "Target" integration level or higher, no repair is necessary) (Plus work)

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair to be performed 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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