



SIB 11 12 19

2019-12-03

MALFUNCTION INDICATOR LAMP IS ILLUMINATED WITH A CRANKSHAFT ADAPTION FAULT

MODEL

E-Series	Model Description	Production Date	Affected Option Code/Engine
G01	X3 Sports Activity Vehicle	June 2018	B46D
G02	X4 Sports Activity Coupe	June 2018	B46D

SITUATION

When diagnosing an illuminated malfunction indicator lamp (MIL) and/or a different issue, the following faults may also be stored in the Digital Motor Electronics (DME).

Fault code	Control module	Fault code text
213A2B	DME	Increment wheel adaption faulty

This situation is not associated with any drivability complaints.

CAUSE

An unfavorable DME diagnostic calibration may cause the fault code to be stored. In most circumstances, this will cause the MIL to be illuminated.

CORRECTION

Program the vehicle with **ISTA 4.20.3x** (released late November 2019) or later.

PROCEDURE

1. Connect the vehicle to a BMW approved battery charger (Refer to [SI B04 23 10](#))
2. Program the vehicle using **ISTA 4.20.3x** to the appropriate I-level shown below:

Model	Target I-level
G01 (X3 Sports Activity Vehicle)	S15A-19-11-534 or higher
G02 (X4 Sports Activity Coupe)	



Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

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

WARRANTY INFORMATION

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

If you should have this situation, update the vehicle to the current available I-level by performing and submitting for one of these open Technical Campaigns instead. Please be sure to also perform any additional work the campaign repairs require and/or close the remaining open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only if the situation above does not apply, the BMW software solution is then:

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program as described below.

Defect Code:	1121151400	Pulse sensor wheel, crankshaft temporary malfunction
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In conjunction with the:

Diagnosis and repair of another issue which did not include performing a programming and encoding procedure

Labor Operation	Labor Allowance	Description
61 00 730	Programming/encoding control unit(s)	Refer to AIR

Or, with:

Diagnosis with performing and a programming and encoding procedure

Labor Operation	Labor Allowance	Description
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And:		
61 00 730	Programming/encoding control unit(s)	Refer to AIR

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 AIR for the corresponding flat rate unit (FRU) allowances.

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

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 labor operations.

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

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 in AIR (including diagnosis with separate punch times).