



SIB 12 02 20

2020-01-29

THE MIL IS ILLUMINATED WITH OXYGEN SENSOR FAULTS STORED

MODEL

E-Series	Model Description	Production Date	Affected Option Code
F90	M5 Sedan	All	All

SITUATION

One of the following faults may be stored in the digital motor electronics (DME), either as part of diagnosing a different issue; and/or an illuminated malfunction indicator lamp (MIL).

Fault code	Control module	Fault code text
13900	DME	Oxygen sensor after catalytic converter, from rich to lean: Delayed response
Or:		
12B011	DME	Oxygen sensor 2 after of catalytic converter, from rich to lean: Delayed response

This situation is not associated with any drivability complaints.

CAUSE

An unfavorable DME diagnostic calibration may cause a fault code to be erroneously stored. These faults will cause the MIL to illuminate.

CORRECTION

If the current vehicle I-level is below **S15A-19-07-530**:

- Program the vehicle using ISTA 4.21.3x or later (available late January 2020)

If the current vehicle I-level is **S15-19-07-530** or higher:

- Continue with ISTA Diagnostics

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA Next and verify fault code **13900** or **12B011** has been stored.
2. Evaluate the current vehicle I-level:
 - a. If the I-level is below **S15A-19-07-530**, update the vehicle using **ISTA 4.21.3x** or higher to the appropriate I-level shown below:

Model	I-level
F90 (M5 Sedan)	SA15A-19-11-555 or higher

1. If the current vehicle I-level is **S15-19-07-530** or higher, continue with ISTA Diagnostics.

Programming Notes:

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

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.

Update the vehicle to the required I-level or higher by performing and submitting for one of the open Technical Campaigns instead. Please be sure to also perform any additional work (before and/or after) the campaign repairs require and/or close the remaining open programming and encoding Technical Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only if the above situation 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.

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

Afterwards, it is then covered under the terms of any active and remaining BMW Certified Pre-Owned Program coverage that applies to the BMW vehicle.

Defect Code:	1178037900	Oxygen sensor monitor incorrect connection/contact fault
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In conjunction with a repair to diagnose (Vehicle test) a different issue

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

Or:

In conjunction with performing a Vehicle test for the issue described in this bulletin

Labor Operation	Description	Labor Allowance
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 (including the IRAP Control Unit Recovery procedure as required, refer to the SIB in AIR) 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 the applicable test plan and the corresponding control module-related repair work using the applicable defect code and labor operations in AIR (including diagnosis with separate punch times).

Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations that are listed in AIR (including diagnosis with separate punch times).