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2025-08-25

## G70 B58N AND XB1N ENGINE VEHICLES: VARIOUS FAULTS STORED IN THE DME

<input type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
<input type="checkbox"/>	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

### MODEL

G70 (7 Series Sedan)

### SITUATION

A 740i Sedan, 740i xDrive Sedan (B58N - ICEV), or a 750e xDrive Sedan (XB1N - PHEV) may have one or both of the following faults stored in the DME:

- 034AA5 - Mixture control bank 1, lambda regulation, mixture too lean
- 034AA8 - Mixture control bank 1, lambda adaptation, mixture too rich

And additionally with the faults above, these affected vehicles may have one or more of the following irregular combustion-related faults also stored:

- 033812
- 033813
- 033814
- 033815
- 033816
- 033817
- 033818
- 033819

### CAUSE

DME software error.

### CORRECTION

Determine the vehicle's current I-level by either using AIR or the ISPA NEXT/AWP (Aftersales Workplace) applications and based on your findings, when following applies:

Program the vehicle using **ISTA 4.55.1x** or higher (released **July 2025**).

Model	Target Integration level
G70	<b>G070-25-07-500</b> or higher

**Always connect a BMW-approved battery charger/power supply (SI B04 23 10) when performing programming.**

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

### CLAIM INFORMATION

#### Vehicle Programming and Encoding

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.

Select one of these open Technical Campaigns instead to perform and submit for updating the vehicle to the required I-level, or higher when applicable (Includes labor operation codes 00 00 006/556, 61 21 528 and 61 00 730).

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only when the 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 including the Federal Emission coverage (all States and Puerto Rico), or the state-specific emission coverage when it applies, or the BMW Certified Pre-Owned Program as described below.

<b>Repair Code:</b>	<b>1178021400</b>	<b>Oxygen control sensor (before catalytic converter) Occasional malfunction</b>
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Obtain the flat rate unit (FRU) allowances for the following that applies.

<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
00 00 006	Carrying out vehicle test <b>(Main work)</b>	As applicable
Or:		
00 00 556	Carrying out vehicle test <b>(Plus work)</b>	As applicable
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	As applicable
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU
And:		
61 00 730	Program/encode control unit(s), includes deleting the fault memory	As applicable

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, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

Work time labor operation codes 61 00 006 and 00 58 500 are not considered Main labor operations.

#### **Vehicle Programming and Encoding – Additional Work (RO and Claim Comments Required)**

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) under the Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis\* that applies.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis\* that applies.

(\*) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

**Other Repairs (Vehicle is already at the minimum required I-level or higher)**

If other eligible and covered work is performed because of performing the ISTA diagnostics, related test plans, and/or other approved diagnosis procedures, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis\* that applies.

**BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes**

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

**FEEDBACK REGARDING THIS BULLETIN**

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

