



SERVICE ACTION: PROGRAM THE DIGITAL MOTOR ELECTRONICS (DME)

This Service Information Bulletin (Revision 1) replaces SI B12 04 21 **dated July 2021**.

What's New (Specific text highlighted):

- Warranty section updated

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

| E-Series | Model Description | Production Date | Affected Engine Code |
|----------|-------------------|----------------------------------|----------------------|
| G30 | 5 Series Sedan | June 15, 2020 thru June 24, 2021 | N63B and B58C |

SITUATION

A software optimization affecting vehicle performance has been made available.

Important Note: Vehicles affected by this service action may still be delivered if the customer has been scheduled to have this service action performed at a later date.

CAUSE

An unfavorable calibration in the digital motor electronics (DME) software.

CORRECTION

Update the vehicle software using **ISTA 4.30.2x** (expected availability early July 2021 pending confirmation).

PROCEDURE

Program the vehicle using **ISTA 4.30.2x** or higher.

| Model | Target Integration level |
|----------------------|---------------------------------|
| G30 (5 Series Sedan) | S15A-21-07-520 or higher |

Note that ISTA 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) when performing programming.

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

Select one of these open Technical Campaigns to perform and submit for updating the vehicle to the required I-level or higher.

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 one Main flat rate labor operation code can be claimed per workshop visit. Specific to submitting this Service Action, if other work will also be performed and claimed, then claim **this Service Action as your Main work (WP # 3)**. Claim all the other remaining work using the Plus flat rate labor operation codes that apply.

As determined by the above, reimbursement for this Service Action will be via normal claim entry utilizing the work package information below that applies.

Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop

| Work Pkg | Labor Operation | Description (Plus work) | Labor Allowance |
|----------|-----------------|---|-----------------|
| # 1 | 00 70 947 | Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test) | 8 FRU |
| Or: | | | |
| # 2 | 00 70 948 | Programming and encoding the vehicle control units was performed in conjunction with another campaign/repair prior to or during this workshop visit (vehicle is already at the specified Target integration level or higher, no repair is necessary) | 1 FRU |

Or:

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

| Work Pkg | Labor Operation | Description (Main work) | Labor Allowance |
|----------|-----------------|---|-----------------|
| # 3 | 00 70 393 | Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test) | 10 FRU |

Only one of the flat rate labor operation codes listed above can be used for claim submission/reimbursement purposes.

Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and the claim comments (For example: B12 04 21 WP 1), unless otherwise required by State law.

Programming and Encoding the 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 IRAP recovery procedure (when applicable as required)/repair work under the defect code listed in this bulletin with the applicable AIR labor operations.

Please explain this additional work (The why and the 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).

Based on which one applies to your center, please refer to [SI B01 01 20](#) or [B01 07 20](#) for claiming your diagnosis work time, job/repair work time (WT), RO/Claim WT and/or repair explanation procedures, unless otherwise required by State law.

QUESTIONS REGARDING THIS BULLETIN

| | |
|---------------------|---|
| Technical inquiries | Submit feedback at the top of this bulletin |
| Warranty inquiries | Please contact the Warranty department by either using the Live Chat that's |

| | |
|--|---|
| | available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections |
|--|---|

| | |
|-----------------|--|
| Parts inquiries | Submit an IDS ticket to the Parts Department |
|-----------------|--|