SIB 12 03 21   2021-06-02
SERVICE ACTION: PROGRAM THE DIGITAL MOTOR ELECTRONICS
(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

E-Series	Model Description	Production Date	Affected Engine
G80	M3 Sedan	November 11th, 2020 thru March 12th, 2021	S58T
G82	M4 Coupe	November 23rd, 2020 thru April 1st, 2021	S58T

SITUATION

Due to an software error, the adaptation values of the actuator contiguous wheel slip limitation (ARB) may be lost.

CAUSE

A software error relating to the Digital Motor Electronics (DME).

CORRECTION

Update the vehicle software using **ISTA 4.28.4x** or higher (released **April 2021**).

PROCEDURE

Program the vehicle using **ISTA 4.28.4x** or higher.

Model	Target Integration level
G80 (M3 Sedan)	**S18A-21-03-540** or higher
G82 (M4 Coupe)	

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 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.

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.

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

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Defect Code:	0012580500	G80 G82 Programming control units (DME)

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 70 847	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 70 848	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 70 303	Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test)	10 FRU
Or:			
# 4	00 70 304	Programming and encoding the vehicle control units was performed in conjunction with **another campaign/repair prior to this workshop visit** (vehicle is already at the specified Target integration level or higher, no repair is necessary)	1 FRU

Only one of the flat rate labor operation codes listed above can be used for claim submission/reimbursement purposes. Also, only one Main work flat rate labor operation code can be claimed per workshop visit.

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 03 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

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