SERVICE ACTION: PROGRAM CONTROL UNITS (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 Engines
F39	X2 Sports Activity Coupe	June 9, 2020 - October 29, 2021	B46D
F44	2 Series Gran Coupe	June 10, 2020 – December 1, 2021	B46D, B46E
F48	X1 Sports Activity Vehicle	June 10, 2020 – October 29, 2021	B46D

SITUATION

In situations when the fuel tank vent line becomes blocked, the on-board diagnosis (OBD) may not detect the blockage. Should the fuel tank vent line be blocked, the vehicle may be difficult to refuel.

CAUSE

A calibration error of the digital motor electronics (DME) software.

CORRECTION

Update the vehicle software using **ISTA 4.32.3x** or higher (released **November 2021**)

PROCEDURE

Determine what is the vehicle's current I-level by either using AIR or the ISPA NEXT application, and as applicable:

Program the vehicle using **ISTA 4.32.3x** or higher (released **November 2021**).

Model	Target Integration level
F44 (2 Series Gran Coupe)	**S18A-21-11-530**or higher

Model	Target Integration level
F39 (X2 Sports Activity Coupe)	**F056-21-11-528** or higher
F48 (X1 Sports Activity Vehicle)	

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.

CLAIM 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.

Defect Code:	**0012700500**	---

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

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Work Pkg	Labor Operation	Description (Plus work)	Labor Allowance
# 1	00 71 903	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 71 904	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 71 345	Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test)	10 FRU(F44) 9 FRU(F48/F39)
Or:			
# 4	00 71 346	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 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.

QUESTIONS REGARDING THIS BULLETIN

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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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