SIM 12 04 20   2020-03-17

SERVICE ACTION: PROGRAM THE DIGITAL MOTOR ELECTRONICS (DME) - B36C

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
F55	MINI Hardtop 4 Door	June 26, 2019 – March 2, 2020	B36C
F56	MINI Hardtop 2 Door	June 27, 2019 – March 2, 2020	B36C
F57	MINI Convertible	June 28, 2019 – February 21, 2020	B36C
F60	MINI Countryman	June 28, 2019 – January 27, 2020	B36C

SITUATION

In certain situations, the exhaust valve seat inserts may become overheated when using low quality fuel. If overheated, the valve seat insert may become distorted and wear at an increased rate.

CAUSE

Unfavorable software calibration for low quality fuel engine operation.

CORRECTION

Program the digital motor electronics (DME) with **ISTA 4.22.1x**.

PROCEDURE

Program the vehicle using **ISTA 4.22.1x** or higher (released February 2020).

Model	Target Integration level
F55 (MINI Hardtop 4 Door)	**F056-20-03-524** or higher
F56 (MINI Hardtop 2 Door)	
F57 (MINI Convertible)	
F60 (MINI Countryman)	

Note: Depending on the rework list after programming, a vehicle test and deletion of the fault memory may be required.

Always connect a MINI-approved battery charger/power supply (SI M04 08 09).

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 where the claim submission information is available. The programming and encoding procedure may only be invoiced one time.

Update the vehicle to the required I-level or higher either by performing or submitting for this or one of the other open Technical Campaigns.

When applicable, please be sure to perform any additional work (before and/or after) these repairs require and/or close the remaining programming and encoding Technical Campaign repairs as outlined in the corresponding Service Information Bulletin.

Reimbursement for this Service Action will be via normal claim entry utilizing the work package information below that applies:

Defect Code:	0012210500	F5x F60 B36 Program 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 68 982	Programming and encoding the control units (includes connecting an approved battery charger/power supply and performing a vehicle test) and correcting the engine oil level	8 FRU
Or:			
# 2	00 68 983	Programming and encoding the vehicle control units was performed in conjunction with another campaign/repair, either 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 68 364	Programming and encoding the control units (includes connecting an approved battery charger/power supply and performing a vehicle test) and correcting the engine oil level	9 FRU
Or:			
# 4	00 68 365	Programming and encoding the vehicle control units was performed in conjunction with another campaign/repair, either prior to or during 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: M12 04 20 WP 1).

Vehicle Programming and Encoding (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 performing the IRAP Control Unit Recovery procedure first 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).