



MIL ACTIVE - EME FC 222F96

MODEL

F60 PHEV (Cooper S e Countryman All4)			
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SITUATION

Malfunction Indicator Lamp (MIL) is illuminated.

Electrical Machine Electronics (EME) has stored fault code FC 222F96.

CC Message "Malfunction Indicator Lamp" (CCM ID:34) is displayed.

CAUSE

Possible hardware defect of the EME.

CORRECTION

Reprogram/encode vehicle

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.

Is ISTA/P 3.62.0 or ISTA/NEXT 4.06.1x available?

YES- Go to step 2.

NO – Go to step 3.

2. Program/encode the vehicle using ISTA/P 3.62.0 or ISTA/NEXT 4.06.1x or higher.

F60 (Countryman)	Target integration level: 17-07-500 or higher
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After programming continue to Step 3.



Note: Additional software modifications will be added to I-level 18-03-500 addressing this issue. When

it becomes available, it should be selected as a preferable alternative to I-level 17-07-500 for all vehicles programmed to a lower level.

3. Delete the fault memory of the vehicle.
4. Perform a terminal change and allow vehicle to enter sleep mode.

5. Wake up vehicle and read fault memory.

Did the fault code 222F96 reappear?

YES- Replace the EME according to repair instructions.

NO –The fault code was erroneous. No other repairs are needed.

PARTS INFORMATION

Refer to EPC for part numbers.

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT/MINI Certified Pre-Owned Limited Warranty.

Defect Code:	1236000200	EME - Programming and Coding Only
	Or:	
	1236001500	Replacing EME after Programming and Coding
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging unit)
And, as necessary:		
61 00 009	Work time (WT)	Troubleshooting electrical/electronic system

And, with:

Programming and Coding

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming / encoding control unit(s)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery

		to EME")
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And, if necessary:

Replacing EME after Programming and Coding (Fault code 222F96 reappears)

Labor Operation:	Labor Allowance:	Description:
12 36 610	Refer to KSD2	Replacing electric machine electronics (after vehicle diagnosis)
And:		
61 00 731	Refer to KSD2	Additional work, programming / encoding control unit(s)

Or:

Replacing EME - Prior Programming and Coding not Required

Defect Code:	1236001500	Replacing EME
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging unit)
And, as necessary:		
61 00 009	Work time (WT)	Troubleshooting electrical/electronic system
And:		
12 36 610	Refer to KSD2	Replacing electric machine electronics (after vehicle diagnosis)
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance.

Work time labor operation code 61 00 009 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

And, as necessary:

Sublet – Bulk Materials with an EME Replacement

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (BMW part number(s), please do not use the part numbers for claim submission)
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Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (BMW part numbers) is at dealer net plus your center’s handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

Vehicle Programming and Coding

When ISTA/P automatically reprograms and codes all the vehicle’s control modules that “currently do not have” the latest software and if one or more control module failures occur “during” this programming procedure:

- Please claim this “consequential” control module-related repair work under the listed defect code that applies in this bulletin with the applicable KSD2/AIR labor operations

Other Control Module Repairs

Control module failures that occurred “prior” to performing this programming procedure:

- When “covered” under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations in KSD2/AIR.

Overlapping Labor Procedure – Other Repairs

If invoicing the KSD2 flat rate labor operation codes for other repair work results in overlapping labor, for those flat rate labor operations that are affected, you can now:

- Replace the stated KSD2 “FRU allowance” with a “reduced FRU value” to eliminate the overlapping labor.

For help in identifying the overlapping labor, please refer to the AIR FRU Plausibility Check (Overlapping Labor Tool) that is located in the AIR Client.

Eligible other repair work being claimed under a different defect code will require separate punch times.

On the repair order and in the claim comment section, please identify and itemize those labor operations being claimed with a “reduced FRU value.”

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