

**SUBJECT****Fault Code 222717 Stored in EME****MODEL**

I01 (i3 and i3 REx)

SITUATION

After switching off the ignition, the red or yellow Check Control Message (CCM) "Drive. No restart" is displayed in the control display.

CAUSE

The following fault code is stored in the Electric Motor Electronics (EME):

222717 - EME: Internal fault

In addition, these secondary faults are possible:

222626 - EME: Internal fault (active short circuit requested)

222632 - EME: internal fault (inverter)

22262F – 12 V supply: Malfunction triggers an active short circuit

PROCEDURE

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.

1. If fault code 222717 is currently present in the EME, proceed as follows:
 - Replace the EME in accordance with Repair Instruction REP 12 36 018, "Removing and refitting/replacing electric motor ECU."
 - Program and code the vehicle with ISTA/P 2.52.4 (integration level 14-03-505) or a more recent version.
2. If fault code 222717 is currently not present in the EME, proceed as follows:
 - Clear the fault memory with ISTA/D and perform a new vehicle test.
 - If fault code 222717 is stored again, replace the EME in accordance with Repair Instruction REP 12 36 018, "Removing and refitting/replacing electric motor ECU."
3. If fault code 222717 is not stored again, **do not** replace the EME.
 - Program and code the vehicle with ISTA/P 2.52.4 (integration level 14-03-505) or a more recent version.

NOTE: If the EME must be replaced, refer to [SI B00 03 06](#) to determine if a TC PuMA case is required prior to replacement.

PARTS INFORMATION

Part Number	Description	Quantity
Refer to EPC	Electric Machine Electronics (EME)	1 as needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

BMW i3 with Range Extender Only: This EME is also covered by the terms of the State-specific Emissions Warranty (vehicle model year and state of registration-dependent) that applies.

Defect Code:	12 36 00 02 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high-voltage charging unit)

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

And, if necessary:

Procedure Step Two

Labor Operation:	Labor Allowance:	Description:
61 00 980	Refer to KSD2	Continuing vehicle test and performing Quick delete

And, if required

Labor Operation:	Labor Allowance:	Description:
12 36 610	Refer to KSD2	Replacing Electric Machine Electronics (EME)

Sublet - Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for used quantities of repair-related fluids and materials (applicable BMW part numbers. Do not use these part numbers for claim submission)
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Sublet calculation: Reimbursement for used quantities of repair-related fluids and materials (applicable BMW part numbers) at dealer net plus handling.

Enter this material cost as one sublet amount and itemize each one in the claim comment section.

And:

With the EME Replacement

Or:

Procedure Step Three – Programming and Encoding Control Units Only

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”)
or		
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery to EME”) (luggage compartment service cap removed)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

If control module(s) fail to reprogram or initializations are required, the additional work must be claimed using separate labor operations found in KSD2 under the defect code listed above.

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