

SB-10043862-2198

SI B61 02 12
General Electrical Systems

January 2012
Technical Service

SUBJECT

Check Control Message "Electronic Malfunction" Is Displayed Along with Various Electrical Functions Inoperative

MODEL

E70 (X5)

E71 (X6)

E72 (ActiveHybrid X6)

E82, E88 (1 Series)

E90, E91, E92, E93 (3 Series)

F01, F02 (7 Series)

F04 (ActiveHybrid 7)

F07 (Gran Turismo)

F10 (5 Series)

F12, F13 (6 Series)

F25 (X3) All vehicles produced from September 1, 2009

SITUATION

Various check control messages are displayed, including "Electronic Malfunction" in the instrument cluster and CID (Central Information Display).

One or more of the following functional faults may also be present:

- ISTA (Integrated Service Technical Application) diagnosis unable to communicate with the vehicle
- Windshield wipers inoperative or in emergency operation (unable to turn off)
- Tailgate cannot be opened
- Central locking system not working
- Rear power windows are inoperative

CAUSE

JBE (Junction Box Electronics) software error

PROCEDURE

Do not replace any parts.

1. Perform a vehicle test using the latest ISTA (Integrated Service Technical Application) diagnostic software.

Note: When the ISTA system message displays:

“Battery voltage only “XX.XX” V. Please connect charger.”

Please note the displayed battery voltage reading in the repair order comments section.

2. If ISTA **is able to communicate** with the vehicle, complete all relevant test plans related to the fault symptoms.
3. If ISTA **will not communicate** with the vehicle and **the battery is accessible**, perform a battery reset for approximately 30 minutes.
4. If ISTA **will not communicate** with the vehicle and the **battery is not accessible** in the trunk or cargo area, disconnect the JBE for approximately 30 minutes.

Refer to ISTA Repair Instructions “Removing and installing or replacing junction box electronics”.

5. After the battery reset (Step 3) or the JBE remove and reinstall procedure (Step 4), check the operation of all functions that were inoperable and repeat Steps 1 and 2 as necessary.

Note: The final software solution will be available with the release of ISTA/P 2.47.0 (expected June 2012). This Service Information bulletin will be updated when the software is released.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned program.

Defect Code **61 38 05 02 00**

Performing Step 3 (No ISTA Communication and the Battery is Accessible)

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and		
61 20 900	Refer to KSD2	Disconnecting and connecting negative battery cable

Performing Step 4 (No ISTA Communication and the Battery is not Accessible)

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and		
61 35 607	Refer to KSD2	Removing and installing junction box electronics

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.

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.

Other Repairs – Performing Steps 1 and 2

As outlined in the Procedure section, if performing the ISTA diagnostics and related test plans results with **other** eligible and covered work, claim this work with the applicable defect code and labor operations listed in KSD2.

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