

SB-10043862-4234

SI B61 02 12
General Electrical Systems

August 2012
Technical Service

This Service Information bulletin supersedes SI B61 02 12 **dated January 2012.**

SUBJECT

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

MODEL**NEW** .

E70

E71

E72

E82 (Excluding the ActiveE/eDrive1–E82E)

E88

E90

E91

E92

E93

F01

F02

F04

F07

F10

F12

F13

F25

Vehicles produced from September 2009 to July 2012

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.
6. **NEW** Program the vehicle using ISTA/P (Integrated Service Technical Application, programming) 2.47.2 or later.

NEW Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

NEW For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

NEW 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
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery
and		

E70, E71, E72, E82, E88, E90, E91, E92 and E93

Labor Operation:	Labor Allowance:	Description:
61 00 710	Refer to KSD2	Programming / encoding control unit(s) (not including CAS)
or		
61 00 720	Refer to KSD2	Programming / encoding control unit(s) (with CAS)
additionally for the		

E72 Only

Labor Operation:	Labor Allowance:	Description:
61 25 900	Refer to KSD2	Disconnecting high-voltage system
or		

F01, F02, F04, F07, F10, F12, F13 and F25

Labor Operation:	Labor Allowance:	Description:
61 00 730 additionally for the	Refer to KSD2	Programming / encoding control unit(s)

F04 Only

Labor Operation:	Labor Allowance:	Description:
61 25 900 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	Disconnecting high-voltage system

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 a control module fails to program correctly or initializations are required, the additional work must be claimed with separate labor operations under the defect code listed above, refer to KSD2.

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

Labor Operation:	Labor Allowance:	Description:
00 00 006 and	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
61 35 607 and if necessary, also	Refer to KSD2	Removing and installing junction box electronics
61 21 528 and	Refer to KSD2	Charging battery

E70, E71, E72, E82, E88, E90, E91, E92 and E93

Labor Operation:	Labor Allowance:	Description:
61 00 710 or	Refer to KSD2	Programming / encoding control unit(s) (not including CAS)
61 00 720 additionally for the	Refer to KSD2	Programming / encoding control unit(s) (with CAS)

E72 Only

Labor Operation:	Labor Allowance:	Description:
61 25 900	Refer to KSD2	Disconnecting high-voltage system
or		

F01, F02, F04, F07, F10, F12, F13 and F25

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming / encoding control unit(s)
additionally for the		

F04 Only

Labor Operation:	Labor Allowance:	Description:
61 25 900	Refer to KSD2	Disconnecting high-voltage system

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.

If a control module fails to program correctly or initializations are required, the additional work must be claimed with separate labor operations under the defect code listed above, refer to KSD2.

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.

Note: Please follow any TeileClearing or Diagcode requirements that may apply to this additional work.