



SUBJECT

"Increased battery discharge!" CC Message upon Startup

MODEL

F01

F02

F07

F10

F12

F13

F25

Produced to April 2013

SITUATION

<p>The screenshot shows a dark background with two yellow warning icons (triangles) and text. The top message reads "Battery charge level low!". Below it, a second message reads "Increased battery discharge!". A small white box in the bottom right corner of the screenshot contains the text "GRUSB6113-19".</p>	<p>The Check Control message "Increased battery discharge!" is displayed in the Central Information Display (CID) when the vehicle is started. In some cases, the CC message "Battery charge level low!" is also displayed. The message occurs sporadically. In most cases, a fault code is not set for the Intelligent Battery Sensor (IBS).</p>
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CAUSE

A software error in the Intelligent Battery Sensor causes an incorrect State of Charge (SoC) to be stored in the DME. The power management system then interprets this as a heavily discharged battery and informs the customer via a CC message. In reality, the battery does not have a problem.

PROCEDURE

1. Diagnose the vehicle using ISTA 3.39 (introduced in September 2013) or later, and complete the “Energy diagnosis” test plan.

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 “IBS faulty” is listed in the results of the energy diagnosis test module screen, follow the test module recommendation, and replace the IBS sensor with the improved part listed below under “Parts Information.” Refer to ISTA Repair Instruction 6112...“General information on intelligent battery sensor (IBS).”
3. If “IBS faulty” is **not** listed in the results of the energy diagnosis test module screen, diagnose all other most likely causes as listed in the test module until the energy diagnosis test plan is completed. Refer to [SI B61 13 05](#) for information about the energy diagnosis test plan. Refer to [SI B61 02 11](#) for information about advanced onboard battery diagnostics.

ADDITIONAL INFORMATION

The revised energy diagnosis test module reads out the following data from the vehicle and determines if the IBS needs to be replaced:

- IBS software versions less than 8.20, or less than 9.28
- One of the six (one current and five days prior) SoC values is less than 10%
- The other five SoC values are greater than 70%

Note: All three conditions described above must be met in order for the Energy Diagnosis test module to recommend an IBS replacement.

The IBS should not be replaced unless it is recommended by the test module.

PARTS INFORMATION

Part Number	Description	Quantity
61 21 9 302 358	Battery cable, negative, IBS	1

WARRANTY INFORMATION

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

Defect Code:	61 37 03 15 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD	Charging battery

and		
61 20 502	Refer to KSD	Performing battery energy diagnosis
and		
61 12 513	Refer to KSD	Replacing battery negative cable

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.

Other Repairs

If performing ISTA diagnostics for the other “most likely causes” results with eligible and covered work, claim this work with the applicable defect code and labor operations listed in KSD2.

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