



# Service Bulletin

File in Section: -

Bulletin No.: PIP4993A

Date: February, 2013

## PRELIMINARY INFORMATION

**Subject:** BAS+ (HYBRID) eAssist Charge Message On After A Collision Or Due To A Low Voltage Condition

**Models:** 2012 - 2013 Buick Lacrosse, Regal eAssist  
2013 Chevrolet Malibu ECO eAssist  
All with RPO HP6

**This PI was superseded to update models and recommended field. Please discard PIP4993.**

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

There may be a Service Charging System or Battery Saver message, MIL on, and/or charging system may be inoperative with no related DTCs.

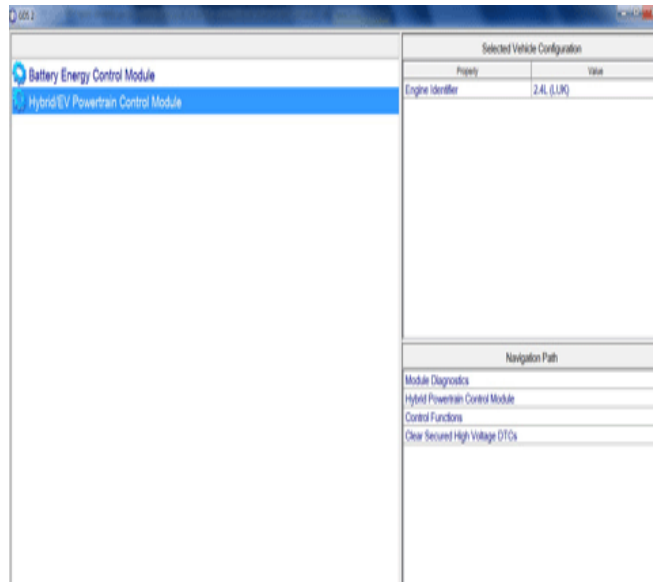
### Recommendation/Instructions

If this concern is encountered, connect GDS2 and ensure that engine identifier LUK has been selected as shown in the screen print below so the HPCM (Hybrid Powertrain Control Module) can be accessed to read hybrid DTCs. There may not be any DTCs set and all repairs may have been performed to repair the original concern. This concern may have occurred due to extremely low system voltage or may be the result of a vehicle collision that caused the contactors to open. There may not be a "crash event" detected on GDS2.

**Important:** If the vehicle build date is after December 15, 2011 and the voltage level dropped to a predetermined level (below approximately 9V), use GDS2 to command the Battery Pack Cooling Fan on to make sure it operates. If the Battery Pack Blower Fan is inoperative when making the command, replace the Battery Pack Cooling Fan. If the vehicle build date is on or before December 15, 2011 follow published G.S.I. Diagnostics.

- If DTCs are present with engine identifier LUK selected, perform the related G.S.I. diagnosis and repair as necessary.
- If there are still no DTCs stored with engine identifier LUK selected and the charging system appears to be inoperative, perform the following steps to reset the contactors and re-evaluate the charging system operation.
  - 2.1. Start GDS2
  - 2.2. Select the Hybrid Powertrain Control Module (HPCM).
  - 2.3. Select Control Functions
  - 2.4. Clear the HV DTCs in the BECM and HPCM. (When performing this procedure in the HPCM, disregard the SDM failure message that may occur in GDS2)
  - 2.5. Exit from GDS2
  - 2.6. Turn the ignition off for a minimum of 2 minutes to allow the High Speed LAN and Powertrain Expansion Bus to power down.
  - 2.7. Start the car and monitor the charging system voltage.

**Note:** If the charging system is still inoperative there may be a logic lock condition. Disconnect the 12V battery and perform a Global Capacitive Discharge and repeat steps 1 through 7.



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Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.