



Service Bulletin

File in Section: -

Bulletin No.: PIP4992

Date: January, 2012

PRELIMINARY INFORMATION

Subject: PIP4992 BAS+ (Hybrid) eAssist Battery Cooling Fan Inoperative Due To Low System Voltage Conditions

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

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

Condition/Concern:

The Drive Motor Generator and Battery Control Module (Hybrid PowerPack) Cooling Fan may become inoperative due to low system voltage.

Recommendation/Instructions:

There may have been a Charging System Message, Battery Warning Lamp or Service Hybrid System Message displayed. If the voltage level drops to a predetermined level (below approximately 9V), it is recommended to use GDS2 to command the Battery Pack Cooling Fan Motor on to make sure it operates.

- If the Battery Pack Blower Fan is inoperative when making the command and the vehicle build date is after December 15, 2011, replace the Battery Pack Cooling Fan.
- If the vehicle build date is on or before December 15, 2011 follow published G.S.I. Diagnostics.

In any scenario when low voltage was encountered, the following function test for the Battery Cooling Fan will need to be performed through GDS2:

1. Start GDS2 and enter the correct vehicle information. Make sure Engine RPO "LUK" is selected.
2. Select Module Diagnostics.
3. Select the Hybrid Powertrain Control Module (HPCM).
4. Select Control Functions.
5. Select the Hybrid/EV Battery Pack Cooling Fan.
6. Command the cooling fan to 90% and listen for fan operation.
7. Start the car and monitor the charging system voltage.
8. Exit from GDS2.

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.