Bulletin No.: PIC5943

Date: Dec-2013

Service Bulletin

PRELIMINARY INFORMATION

Subject: No Heat In EV Electric Mode DTC B101D

Models: 2013-2014 Chevrolet Volt

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

Condition/Concern

Some customer may state that they have no heat in EV electric mode and the Coolant Heater Control Module (CHCM) may also be setting a current or history B101D. The customer will also state that the heat will be ok when in charge sustaining mode (engine on).

Recommendation/Instructions

If you experience this concern, please inspect the coolant heater control module for proper operation. To verify proper operation, please check the following items:

1. With the vehicle in EV Mode, set the HVAC to full heat and verify the coolant heater icon is ON.



2. Monitor the heater core temperature sensor reading in GDS under HVAC Control Module/ Data Display/HVAC Sensor Data and the temperature should increase to around 130 F (54 C) and maintain that temperature.

Data List: HVAC Sensor Data
Parameter Name
Ambient Air Temperature (Filtered)
A/C High Side Pressure Sensor
A/C Evaporator Temperature
Engine Coolant Temperature
Heater Core Coolant Temperature Sensor
Lower Left Duct Air Temperature Sensor
Passenger Compartment Air Temperature (Filtered)
Passenger Compartment Air Temperature (Unfiltered)
Passenger Compartment Humidity
Passenger Compartment Humidity Sensor Temperature
Sun Azimuth

3. Check for Diagnostic Codes. If DTC B101D is set as a current or history code, locate the date code that is located on the label of the Coolant Heater Control Module. If the part was manufactured before the 156th day of 2013, replace the Coolant Heater Control Module. (Please see below on how to read the date code.)



Number (1) points to the model year the part was manufactured. Number (2) points to the day of the year the part was manufactured.

Parts Information

Part Number	Description	Qty
22851153	Coolant Heater Control Module	1

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
4414090	Heater Coolant Heater Replacement	Use Published Labor Operation Time

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.

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