GM Bulletin No.: 00540
Date: October 2015

Service Bulletin

SERVICE UPDATE

SUBJECT: **Service Update for Inventory Vehicles Only**
Surge Sensation
Expires October 31, 2016

MODELS: **2016 Chevrolet Volt**

This bulletin has been revised to update the Service Procedure and GM Bulletin Number. Please discard all copies of 16001.

This service update involves vehicles in dealer inventory only and will expire October 31, 2016.

PURPOSE

This bulletin provides a service procedure to reprogram the power inverter module with an active damping calibration on **certain** 2016 model year Chevrolet Volt vehicles. These vehicles may experience a light surge "chuggle" sensation while driving in charge sustaining mode (battery depleted) at speeds of 35-65 mph (55-105 kmh).

This service procedure should be completed on involved vehicles currently in dealership inventory as soon as possible but no later than October 31, 2016, at which time this bulletin will expire.

VEHICLES INVOLVED

All involved vehicles are identified by VIN in the Global Warranty Management System – Investigate Vehicle History Application. Dealership technicians should always check this site to confirm vehicle involvement prior to beginning any required inspections and/or repairs. It is important to routinely use this tool to verify eligibility because not all similar vehicles may be involved regardless of description or option content.

Additionally, a list of involved vehicles currently in dealer inventory can be found in GlobalConnect, under Departments, Service, Field Action Inventory Reports (US) or attached to the GlobalConnect message (Canada) used to release this bulletin. Customer vehicles that return for service, for any reason, and are still covered under the vehicle's base warranty should also be checked for vehicle eligibility.

PART INFORMATION

No parts are required for this procedure

SERVICE PROCEDURE

Note:

- DO NOT program a control module unless directed to by a service procedure or a service bulletin. If the ECU is not properly configured with the correct calibration software, the ECU will not control all of the vehicle features properly.

- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or ECU damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the *EL-49642* SPS programming support tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- During the programming procedure, follow the SPS prompts for the correct ignition switch position.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

To program an existing ECU, perform the following procedure.

1. Install *EL-49642* SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.
3. On the SPS Supported Controllers screen, select **T6** Power Inverter Module **–** Programming and follow the on-screen instructions.

Note: In some cases, GDS may be required to clear DTCs.

4. At the end of programming, choose the "Clear All DTCs" function on the SPS screen.

WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below. All transactions should be submitted as a ZFAT transaction type, unless noted otherwise.

Labor Code	Description	Labor Time	Net Item
9101827	Drive Motor Power Inverter Module Reprogramming with SPS	0.4	N/A

DEALER PROGRAM RESPONSIBILITY

Dealers must take the steps necessary to ensure that the service update correction has been made to all involved vehicles in dealer inventory before selling or dealer-trading the vehicle, but no later than October 31, 2016.