



Service Bulletin



SERVICE UPDATE

SUBJECT: Service Update for Inventory and Customer Vehicles
Power Inverter Module Reprogram
Expires with Base Warranty

MODELS: 2011-2013 Chevrolet Volt

This service update includes vehicles in dealer inventory and customer vehicles that return to the dealership for any reason. This bulletin will expire at the end of the involved vehicle's New Vehicle Limited Warranty period.

PURPOSE

This bulletin provides a service procedure to reprogram the power inverter module on **certain** 2011-2013 model year Chevrolet Volt vehicles. In wet conditions, water may wick along the Driver Motor 2 Position Sensor wires. If the water enters into the sensor body, it could set a diagnostic code, which illuminates the Check Engine lamp and requests propulsion to be inactive. The condition has occurred most often while parked, which results in a "no-start" condition, but could occur in other driving situations. The vehicle can be started once the water has evaporated.

This service procedure should be completed as soon as possible on involved vehicles currently in dealer inventory and customer vehicles that return to the dealer for any type of service during the New Vehicle Limited Warranty coverage period.

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 is available on the "Service Update Bulletin Information" link under the "Service" tab in GM GlobalConnect (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 update.

SERVICE PROCEDURE

Do not attempt to order the calibration number from GM Customer Care and Aftersales. The calibration numbers required for this service procedure are programmed into control modules via a Multiple Diagnostic Interface (MDI) with the calibration update. When using an MDI for reprogramming, ensure that it is updated with the latest software version. Use **TIS2WEB on or after September 27, 2013**, to obtain the calibration. If you cannot access the calibration, call the Techline Customer Support Center and it will be provided.

1. Verify that there is a battery charge of 12 to 15 volts. The battery must be able to maintain a charge during programming. Only use an approved Midtronics® PSC 550 Battery Maintainer (SPS Programming Support Tool EL-49642) or equivalent to maintain proper battery voltage during programming.
2. Reprogram the Power Inverter Module. Refer to SI and Service Programming System (SPS) documentation for programming instructions, if required.
 - 2.1 Connect the MDI to the vehicle.
 - 2.2 Select *J2534 MDI and Reprogram ECU* from the SPS Select Diagnostic Tool and Programming Process screen.
 - 2.3 Select *T6 Power Inverter Module -- Programming* from the SPS Supported Controllers screen.
 - 2.4 Follow the on-screen instructions.
3. Select the "Clear All DTCs" function on the SPS screen at the end of programming.

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
9100140	Reprogram Power Inverter Module	0.3

DEALER PROGRAM RESPONSIBILITY

Whenever a vehicle subject to this service update enters your vehicle inventory, or is in your facility for service in the future, and the vehicle is still covered under the New Vehicle Limited Warranty, you must take the steps necessary to be sure the service update correction has been made before selling or releasing the vehicle.

