

Product Emission Recall

17166 Malfunction Indicator Lamp (MIL) Illuminated - Connector Unseated



Reference Number: N172094630

Release Date: April 2017
Revision: 00

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Volt	2017	2017		
	Malibu	2016	2017		

Involved vehicles are marked “open” on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	General Motors has decided to conduct a Voluntary Emission Recall on certain 2017 model year Chevrolet Volt and 2016-2017 model year Malibu hybrid electric vehicles. On some vehicles an electrical connector on the drive motor power inverter module may not have been properly connected during vehicle assembly. If this electrical connector becomes disconnected the malfunction indicator lamp (MIL) will illuminate.
Correction	Dealers will inspect the drive motor power inverter module connector and ensure that it is properly connected.

Parts

Parts are not required for this procedure.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9103144	Inspect Only – No Further Action Required Add: Chevrolet Volt	1.0	ZFAT	N/A
		3.0		
9103145	Inspect and Reseat Electrical Connector(s) to Drive Motor Power Inverter Module Add: Chevrolet Volt	1.0	ZFAT	N/A
		3.0		

Service Procedure

Danger: Ensure all High Voltage safety procedures are followed. Failure to follow the procedure exactly as written may result in serious injury or death.

Danger: Always perform the High Voltage Disabling procedure prior to servicing any High Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed.

The High Voltage Disabling procedure includes the following steps:

- Identify how to disable high voltage.
- Identify how to test for the presence of high voltage.
- Identify condition under which high voltage is always present and personal protection equipment (PPE) and proper procedures must be followed.

Before working on any high voltage system, be sure to wear the following Personal Protection Equipment:

- Safety glasses with appropriate side shields when within 50 feet of the vehicle, either indoors or outdoors
- Certified and up-to-date Class “0” Insulation gloves rated at 1000V with leather protectors
 - Visually and functionally inspect the gloves before use.
 - Wear the Insulation gloves at all times when working with the high voltage battery assembly, whether the system is energized or not.

Failure to follow the procedure exactly as written may result in serious injury or death.

Danger: High voltage circuits should only be tested using a digital multimeter (DMM) and test leads with at least a CAT III rating, such as the J 39200-A Digital Multimeter. Failure to follow the procedures may result in serious injury or death.

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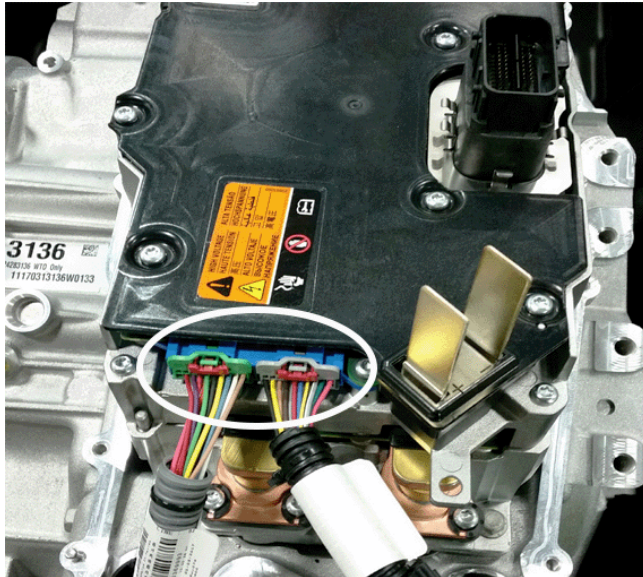
Danger: This vehicle is equipped with a high voltage battery that is completely isolated from the chassis ground. Never utilize AC powered test equipment to probe the high voltage system. Serious injury, death and component damage could occur if the high voltage system is grounded through the electric utility.

Failure to follow the procedure exactly as written may result in serious injury or death.

1. Review the high voltage safety information. Refer to *High Voltage Safety* in SI.

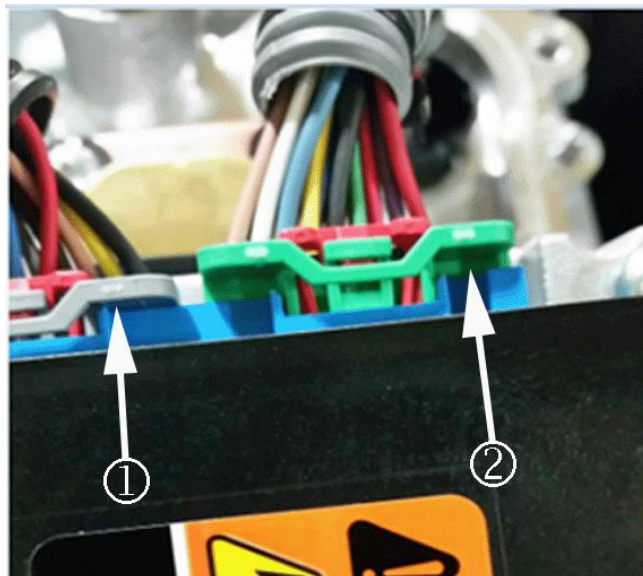
Note: It is NOT necessary to drain the coolant when removing the drive motor power inverter module cover.

2. Remove the drive motor power inverter module cover. Refer to *Drive Motor Power Inverter Module Cover Replacement* in SI.



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3. Locate the drive motor power inverter module electrical connectors.



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Note: The connector position assurance tab (CPA) may be fully engaged, but the connector may NOT be fully seated. In the picture above, the gray connector (1) is fully seated and the green connector (2) is NOT.

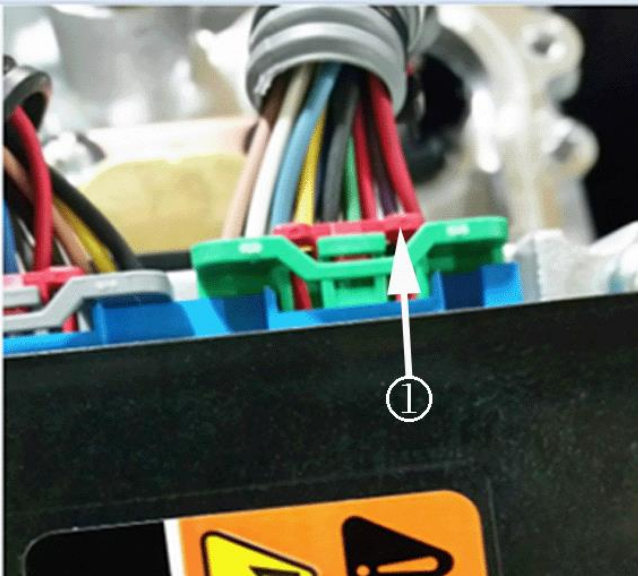
4. Ensure the drive motor power inverter module electrical connectors are fully seated.
 - If BOTH of the drive motor power inverter module electrical connectors are fully seated, proceed to step 10.

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- If EITHER of the drive motor power inverter module electrical connectors are NOT fully seated, proceed to the next step.



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5. Disengage the CPA (1) on the affected drive motor power inverter electrical connector.
6. Disconnect and reconnect the affected drive motor power inverter electrical connector. A click should be heard or felt when the connector is seated.

Caution: Do NOT pull on the wires as part damage may occur.

7. Pull on the body of the connector and the push on the body of the connector to ensure it is fully seated.
8. Engage the CPA. A click should be heard or felt when it is engaged.
9. Repeat steps 5-8 if BOTH connectors were NOT fully seated.
10. Install the drive motor power inverter module cover. Refer to *Drive Motor Power Inverter Module Cover Replacement* in SI.
11. CALIFORNIA VEHICLES ONLY: Complete a "Proof of Correction" certificate and provide to the vehicle owner upon recall completion.

Dealer Responsibility

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this recall must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

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*****THE FOLLOWING 2 PARAGRAPHS ARE NOT FOR CANADA*****

When a California emissions recall is completed by a GM dealer, the dealer must provide the vehicle owner a "Proof of Correction Certificate" which the owner may need to present to the California Department Of Motor Vehicles (DMV) when renewing their vehicle registration. Without this correction certificate, the owner may be unable to renew their vehicle registration.

Additional Certificates can be obtained, at no charge, from the 1Store application in GlobalConnect. Request GM Item Number 1825 when ordering.

Dealer Reports

For dealers with involved vehicles, a listing with involved vehicles has been prepared and will be provided to U.S. and Canadian dealers through the GM GlobalConnect Recall Reports, or sent directly to export dealers. The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

Courtesy Transportation – For USA & Canada

Courtesy transportation is available for customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual, Sections 1.4 and 6.1.10, for courtesy transportation program details.

Customer Notification

USA & Canada - General Motors will attempt to notify customers of this recall via phone, and will notify customers of this recall on their vehicle (see copy of customer letter included with this bulletin).

In order to ensure full protection under the emission warranty, and the right to participate in future recalls, the customer notification letter recommends that customers have their vehicles serviced as soon as possible. It also advises that failure to do so could legally be determined to be lack of proper maintenance. The vehicle may fail a state or local emission inspection test if the recall work is not completed.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, **DO NOT** assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**

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May 2017

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

This notice is sent to inform you that General Motors is conducting a voluntary emission recall that includes your vehicle.

Reason For This Recall: Your 2017 model year Chevrolet Volt or 2016-2017 model year Malibu hybrid electric vehicle has an electrical connector on the drive motor power inverter module that may not have been properly connected during vehicle assembly. If this electrical connector becomes disconnected the malfunction indicator lamp (MIL) will illuminate.

What Will Be Done: Your GM dealer will inspect the drive motor power inverter module connector and ensure that it is properly connected. This service will be performed for you at **no charge**.

What You Should Do: Please contact your GM dealer as soon as possible to arrange a service date. Instructions for making this correction have been sent to your dealer. Please ask your dealer if you wish to know how much time will be needed to schedule, process, and repair your vehicle.

If you have any questions or need any assistance, just contact your dealer or the appropriate Customer Assistance Center at the number listed below.

Division	Number	Text Telephones (TTY)
Chevrolet	1-800-630-2438	1-800-833-2438
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

Emission Law Information: In order to ensure your full protection under the emission warranty made applicable to your vehicle by state and federal law, and your right to participate in future recalls, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could legally be determined to be lack of proper maintenance of your vehicle. Also, your vehicle may fail a state or local emission inspection if this recall is not accomplished.

IMPORTANT MESSAGE FOR CALIFORNIA RESIDENTS

The California Air Resources Board (CARB) requires vehicle emission recalls be completed prior to California registration renewal. Uncorrected emission recalls will result in the inability to renew your California vehicle registration.

At the time of emission recall completion, your California dealer will issue a "Proof of Correction Certificate". Keep this certificate and, if required, present it to the Department of Motor Vehicles when renewing your California registration as proof of recall completion.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your continued satisfaction with our products.

Jeffrey M. Boyer
Vice President
Global Vehicle Safety

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GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4422
URGENT - DISTRIBUTE IMMEDIATELY

Date: April 25, 2017

Subject: 17166 - Emission Recall
Malfunction Indicator Lamp (MIL) Illuminated - Connector Unseated

Models: 2016-2017 Chevrolet Malibu Hybrid
2017 Chevrolet Volt

To: All General Motors Dealers

General Motors is releasing Emission Recall 17166 today. The total number of U.S. vehicles involved is approximately 29. Please see the attached bulletin for details.

Customer Letter Mailing

The customer letter mailing will begin in the near future.

Global Warranty Management (GWM)

The Investigate Vehicle History (IVH) screen in the GWM system will be updated April 26, 2017. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until the VIN appears in IVH.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS