



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** 2016 Volt 5ET50 Transmission Component Restriction Program

**Models:** 2016–2017 Chevrolet Volt

*This PI was superseded to update to Model Years. Please discard PIP5321A.*

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

### Condition/Concern

This PI will explain the 5ET50 electric variable automatic transmission assembly and component restriction for the 2016 MY Chevrolet Volt. This program will start on August 1st, 2015 to gather important feedback on this new transmission. This bulletin will be revised to announce the end of the exchange program at a later date.

Product teams continually seek valuable information for engineering improvements. To assist in this effort the restriction program will be used for this product.

### Recommendation/Instructions

The 5ET50 transmission assembly and component restriction will be administered by the GM Technical Assistance Center (TAC). The servicing technician must provide detailed customer comments, conditions, diagnostic trouble codes (DTCs) and other useful information. To request restricted components, dealerships are required to call Technical Assistance (TAC). Prior to calling TAC, please read through this entire document. If diagnosis leads to replacement of one or more of the restricted components listed below please have all SI document numbers used during diagnosis available prior to contacting TAC.

TAC Telephone Number US 1-877-446-8227 (Action Center prompt or Hybrid prompt) Canada 1-800-263-7740 for English or 1-800-263-7960 for French

***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 will perform the following tasks:

- 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 Drive Motor Battery assembly, whether the system is energized or not. Failure to follow the procedures exactly as written may result in serious injury or death.

**Important:** If vehicle damage does not allow access to the high voltage manual disconnect, then disconnect the 12V battery and remove the damaged portion of the vehicle until such time as the HV manual disconnect can be removed and the High Voltage Disabling procedure can be completed.

1. Perform the high voltage disable procedure at the drive motor generator control module assembly or cable connections. Refer to High Voltage Disabling in SI.
2. Perform the high voltage enable procedure when the transmission is installed or repaired and ready to be test driven.

If TAC release the Drive unit you will also need to order the parts below to install the drive unit.

Please Check Service Information for the Lasted on parts needed for install.

<b>PART Name listed in SI</b>	<b>QTY</b>	<b>Part #</b>
Seal, PIM hose	1	23323369
Transmission Mount Bolt	3	11547918
Exhaust gasket	1	23238284
Stabilizer Shaft Link Nut	2	11609282
Front Lower Control Arm Ball Joint Nut	2	11609282
Transmission Mount Strut Bolt	1	11589275
Drive Train and Front Suspension Cradle Rear	2	11547242
Drive Train and Front Suspension Cradle Front	4	11547242
Wave Wash ( If Axles Are Removed from Hubs)	2	11611964
Cooler Line Seal Inlet	1	25874797
Cooler Line Seal Outlet	1	23278166

## Parts Information

<b>Model Year</b>	<b>Part Number</b>	<b>Description</b>	<b>QTY</b>
2016	24280217	Drive Unit assembly	1
2016-2017	24279420	Drive Unit assembly	1
2016	24274642	Valve Body, AC/VLV	1
2016	24275237	Valve, Cont Sol	1

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.

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 equipment, tools, 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 GM dealer for information on whether your vehicle may benefit from the information.



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