



Preliminary Information

PIP5641D Diagnostic Aid: DTC P0A3F or P1B03 - Drive Motor Position Sensor Circuit

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Bolt EV	2017 - 2020	All	All	All	All

Involved Region or Country	North America
Condition	The customer may mention that a loss of propulsion was experienced. The vehicle may operate normally after the vehicle was restarted at a later time. History code P0A3F and sometimes P1B03 are found in the Hybrid/EV Powertrain Control Module.
Cause	It is believed they are intermittent faults with the electrical circuit that may not self-heal.

Correction:

- Using SI Document ID 4583435 as a guide, inspect the terminals at connector X1 at the T6 Power Inverter Module and the X2 connector at the T12 Transmission Assembly.
- Pay special attention to the Diagnostic Aids in SI Document ID 4583435. Look for any backed out, bent, or spread terminals on both sides of the connector.
 - If a concern is found with a terminal, please contact Technical Assistance and provide a clear picture of the issue. DO NOT attempt to repair these sensitive Circuits with terminated leads or new terminals.
- Whether or not terminal problems are found, please replace the under-hood "engine" harness when diagnosing these DTCs. This is for protection of the customer for any circuit imperfection that could cause these DTCs which will cause a vehicle shutdown while driving.

When preparing the parts for Return

- Please protect all of the T6 X1 and T12 X2 connector ends for warranty parts return analysis.

Parts Information

Description	Part Number	Quantity
Engine Harness with RPO - CBT	42622216	1
Engine Harness without RPO - CBT	42622217	1

Warranty Information

For vehicles repaired under the EV coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
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5430940	Harness Replacement	Use Published Labor Operation Time
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For additional labor, please submit Other Labor Hours (OLH) on the warranty claim for the Harness.

Version History

Version	5
Modified	04/24/2019 - Created on 06/10/2019 - To add model year 2019 06/10/2019 - To fix the part # 24297233 12/04/2019 - To Remove the Transmission and T6 PIM 12/13/2019 - To remove reference to S.E. Michigan

