



Service Bulletin

TECHNICAL

Subject: Malfunction Indicator Lamp (MIL) ON, No Start, Blown Fuses, Electronic Brake Control Module (EBCM) Body Wiring Harness Chafing on Transmission Mounting Bolt

Attention: This PI also applies to vehicles exported to Mexico.

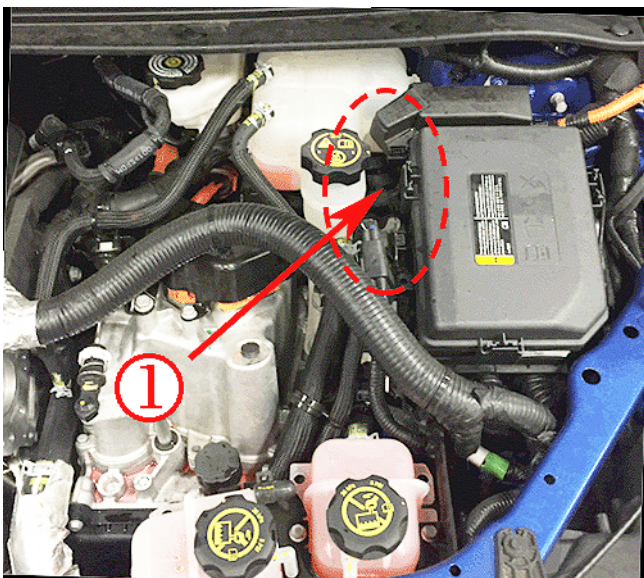
Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Volt	2016	—	—	—	All	All

Condition	Some customers may comment the malfunction indicator lamp (MIL) is ON, multiple diagnostic trouble codes (DTC) are set, the vehicle may not start, and/or have blown fuses. The harness branch to the EBCM may be damaged from abrasion.
Cause	The EBCM body wiring harness offset clip may not be positioned correctly, allowing the harness to rub on the transmission mounting bolt.

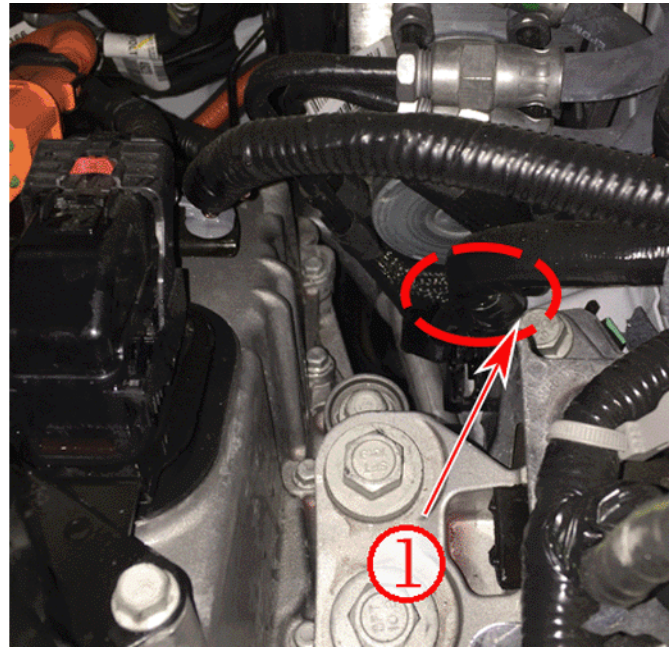
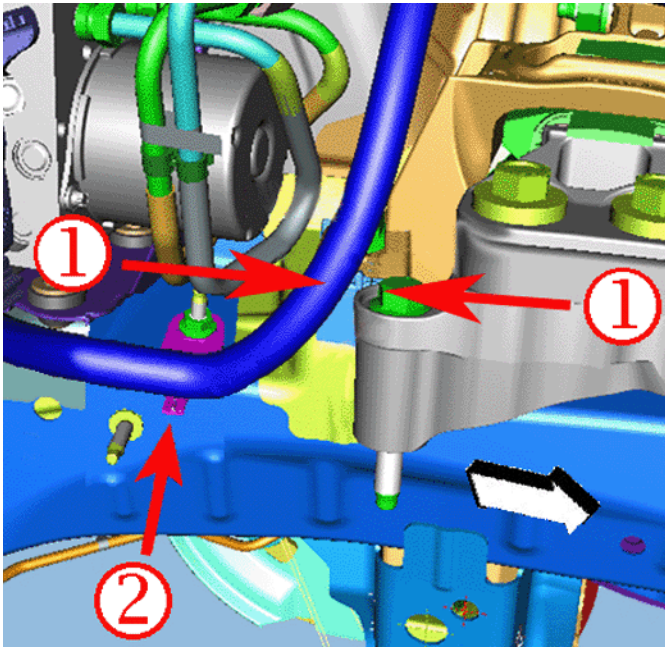
Correction

Perform underhood EBCM harness inspection for damage, reposition harness, or repair harness if needed.

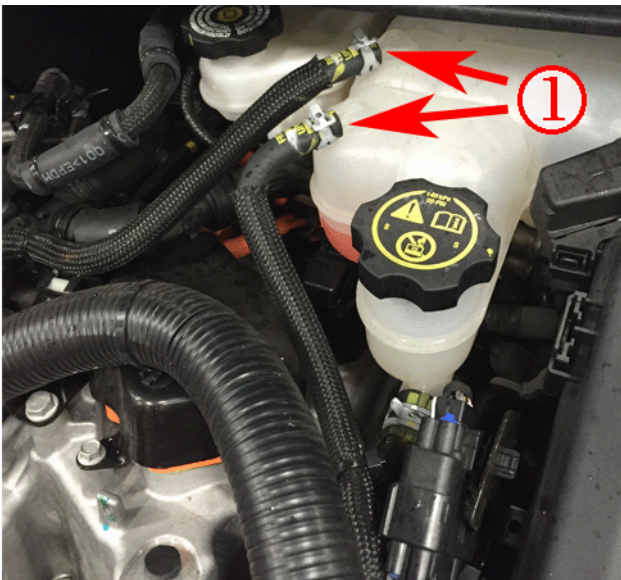
Service Procedure:



1. Open the hood and locate the electronic brake control module (EBCM) harness branch down behind the radiator surge tank, near the brake pressure modulator valve (BPMV) and frame/strut tower.

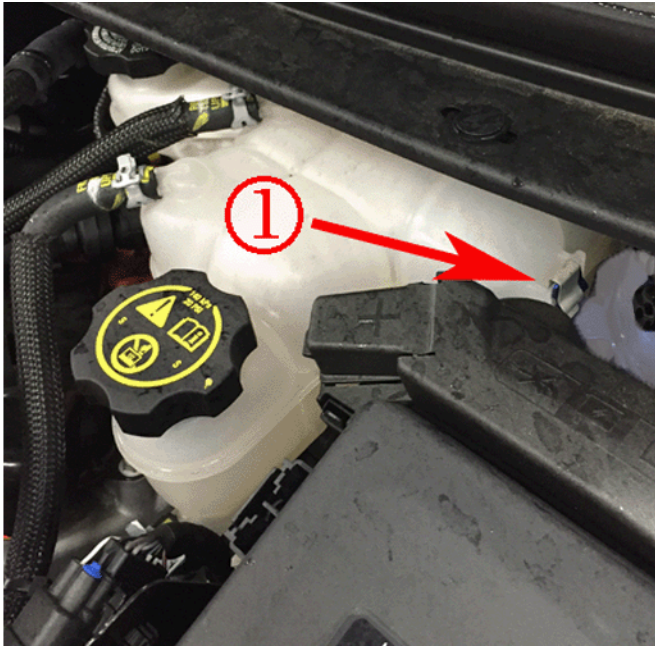
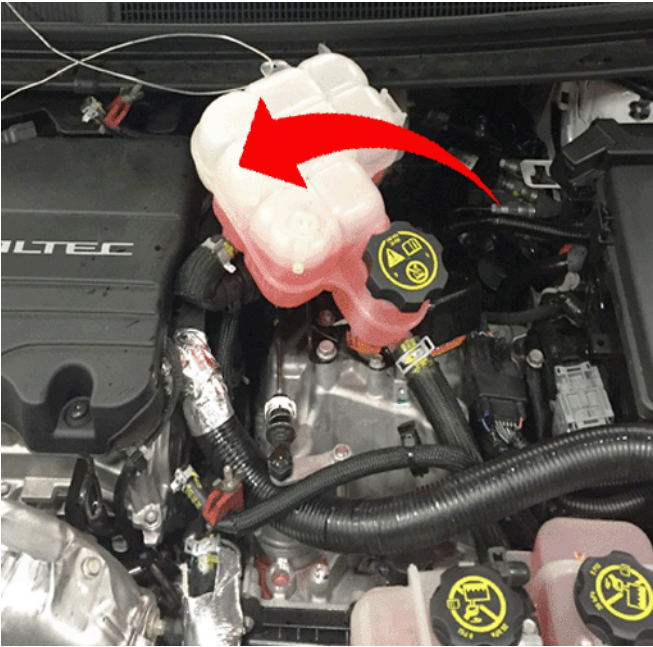


2. Inspect the body harness for a minimum 10 mm clearance (1) from the edge of bolt heads or clips. The Body Harness clip (2) must be at a 90 degree angle from the frame and not clocked toward the front of the vehicle.
 - If no interference or harness damage noticed, refer to Diagnostic Starting Point - Vehicle in SI.
 - If interference or harness damage noticed, proceed to step 3, and refer to Wiring Repairs in SI for damaged wiring.
3. Disconnect the 12 V battery. Refer to Battery Negative Cable Disconnection and Connection in SI.

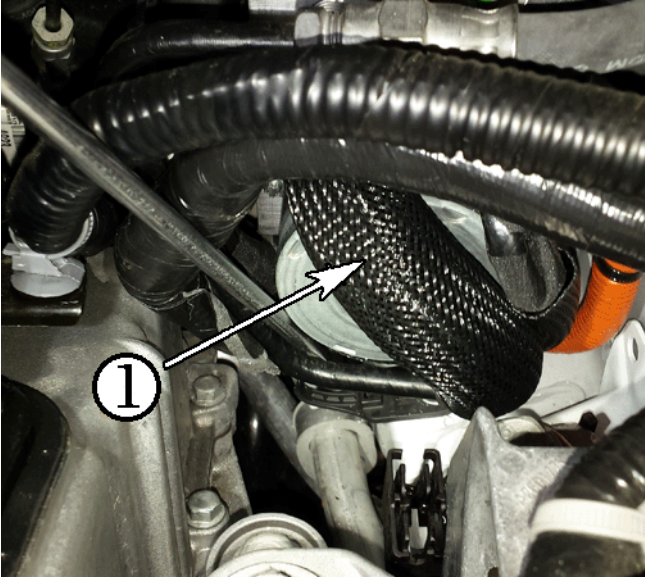


Caution: Loosen surge tank filler cap slightly to relieve pressure before removing hoses.

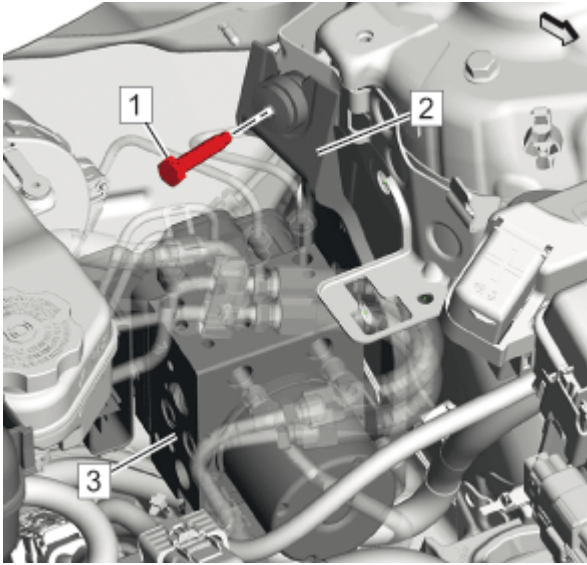
4. Clamp off and remove both small upper radiator surge tank hoses (1).



5. Remove the radiator surge tank retaining clip (1), and relocate the tank for access to the harness location. Refer to Radiator Surge Tank Replacement in SI.



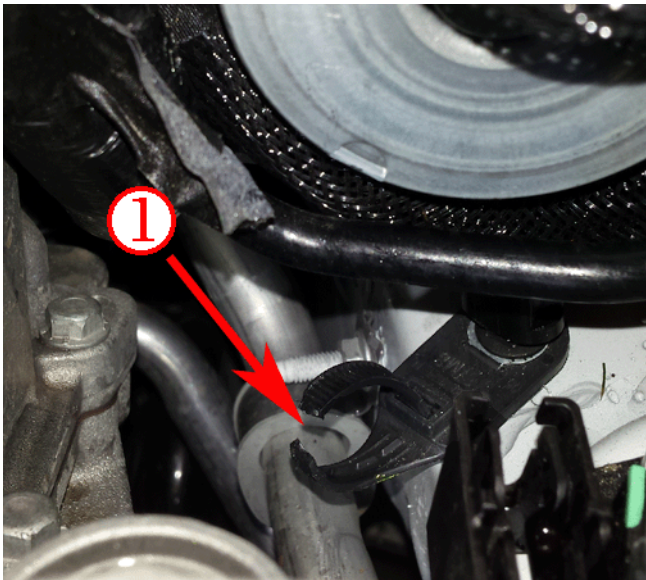
6. Relocate, or slide up, the braided cover on the adjacent brake line for a better view of the body harness contact area.



7. Remove the upper body mounting bolt (1) from the brake pressure modulator valve (BPMV) clip (2).

Caution: Do not move the BPMV to the point of stressing or bending the brake lines.

8. The BPMV can be moved slightly to provide clearance/access to the harness clip.



Note: Leave the upward curved part of the harness clip intact for harness support.

9. Cut the upper part of the tie strap (1) fastening the body harness to the frame mounting clip.
10. Move the body harness away from the frame and clip to access the clip mounting nut.
11. Remove the barrel connector from the top of the harness clip stud.
12. Remove the harness clip nut from the stud.

Tip: Use a stubby 10 mm wrench or flex-head ratcheting wrench.



13. Remove the harness clip (1) from the vehicle.



14. Insert a suitable heavy duty tie strap (1) through the rectangular slot in the clip, do not fasten.

15. Install the clip with tie strap to the mounting stud on the vehicle.

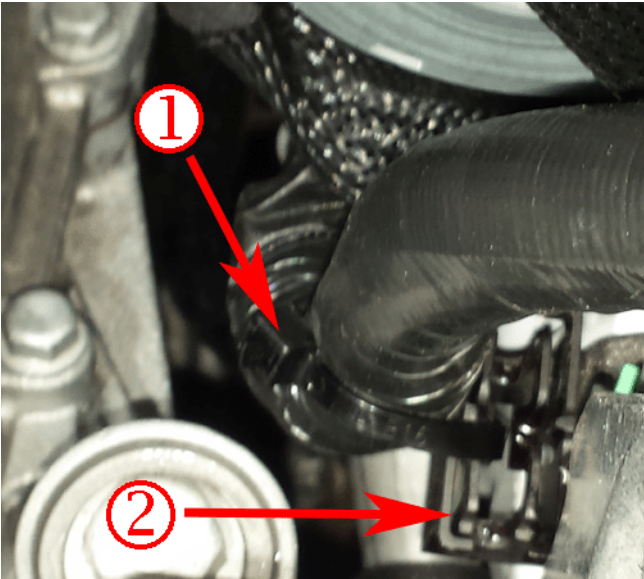
Tip: Use a magnetic extended tool to position nut on stud.

16. Install the clip nut and tighten the clip down to 9 Nm (80 in lbs)

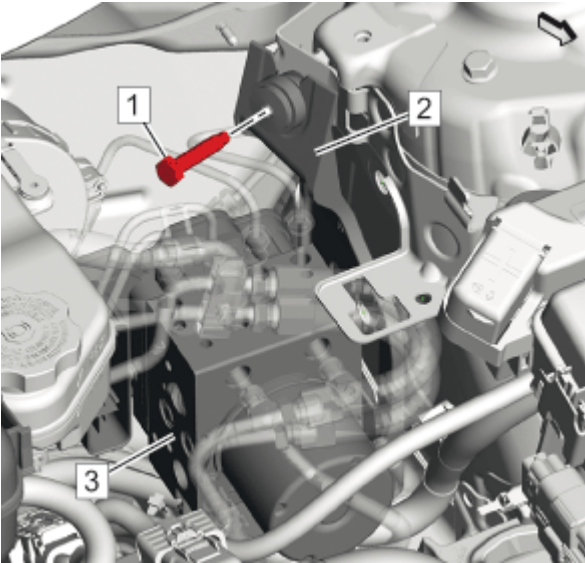
Important: Ensure the clip is 90 degrees, straight out from the frame. Use a suitable tool to hold the clip from turning during installation.

17. Install the barrel connector to the top of the harness clip stud.

18. While holding the EBCM body harness branch in position with maximum all around clearance, secure the tie strap to the harness. Trim off the excess.

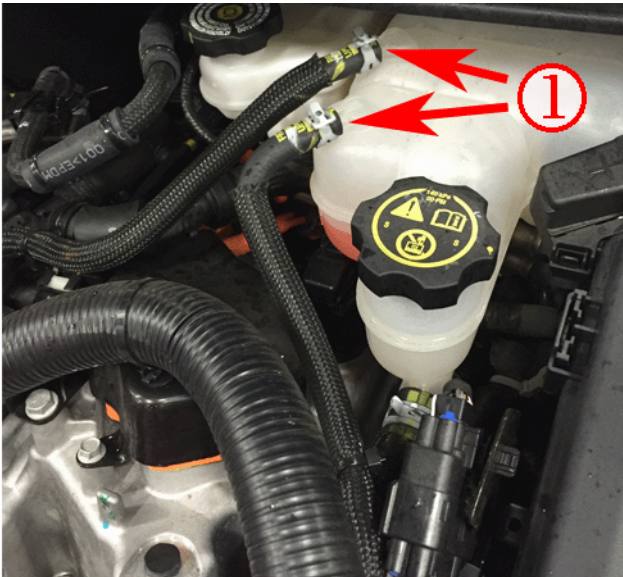


19. Install a second tie strap (1) to the harness securing it to the nearby black rectangular clip (2). Trim off the excess.
20. Reposition the braided brake line cover.



21. Reposition the brake pressure modulator valve (BPMV) and install the upper body mounting bolt (1).

Tighten: Tighten the bolt to 22 Y (16 lb ft).



- 22. Reposition the coolant surge tank and reconnect both small upper hoses.
- 23. Install the coolant reservoir mounting clip.

Warranty Information

Labor Operation	Description	Labor Time
5480188*	Inspect and Repair EBCM Harness Clip, Add Additional Tie Strap	1.0 hr
5480198*	Inspect and Repair EBCM Harness Clip, Add Additional Tie Strap, Misc. Wiring Repair	1.5 hrs
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	

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