



Service Bulletin

INFORMATION

Subject: Hybrid No Crank or Loss of High Speed Communications

Models: 2009-2013 Cadillac Escalade Hybrid
2008-2013 Chevrolet Tahoe Hybrid
2008-2013 GMC Yukon Hybrid
2009-2013 Chevrolet Silverado Hybrid
2009-2013 GMC Sierra Hybrid
With Two-Mode Hybrid System (RPO HP2)
With one or more of the following DTCs
U0073 U0074 U0100 U0101 U0102 U0109 U0121 U0140 U0298 U1842 U1843 U186B U186A U1862

This PI was superseded to update Model Years and Recommendation/Instruction. Please discard PIT4853C.

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

Condition/Concern

Some customers may experience one or all of the following concerns:

1. No Crank (Concern may be current or intermittent at times)
2. Loss of High Speed LAN or multiple "U codes" in several modules
3. Loss of the Powertrain Expansion Bus or multiple "U codes" in several Hybrid modules
4. SES Lamp, Service Brake System Message, Service Hybrid System, etc.

Recommendation/Instructions

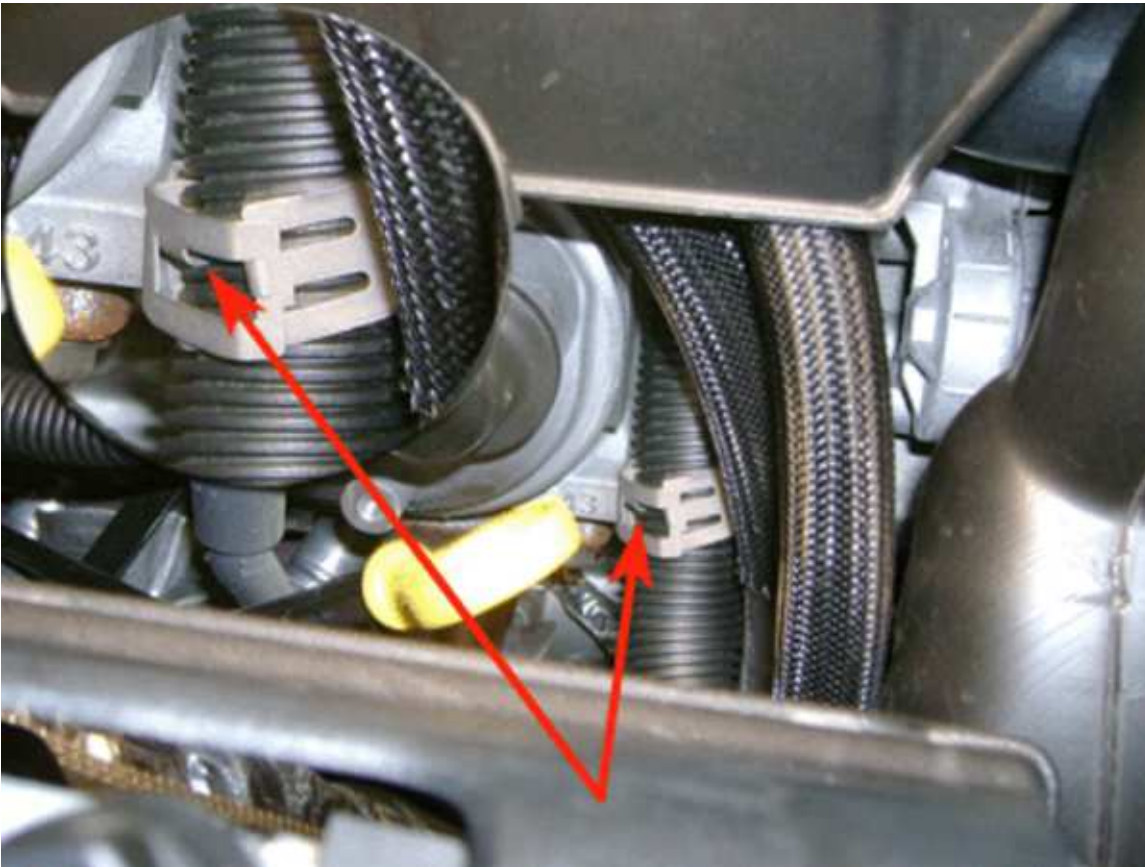
If you experience one or all of the following concerns, please check the areas below:

- Check G300 for a clean and tight connection. (Undercoating has been found between the eyelet and the frame causing a poor connection.)
- Inspect connector X150 and X109 for backed out, bent, or poor terminal fit using the correct terminal test probe. Also check for the connector not being fully seated together even though the lever on the connector is locked down
- Check Ground G102 for a clean and tight connection.
- If the concern is related to the high speed lan communication buss, Please review the current version of 08-07-30-021 for concerns that may also apply.
- Check for a misrouted harness rubbing on the cooling fins of the Transmission Auxiliary Fluid Pump Control Module. (See example below)



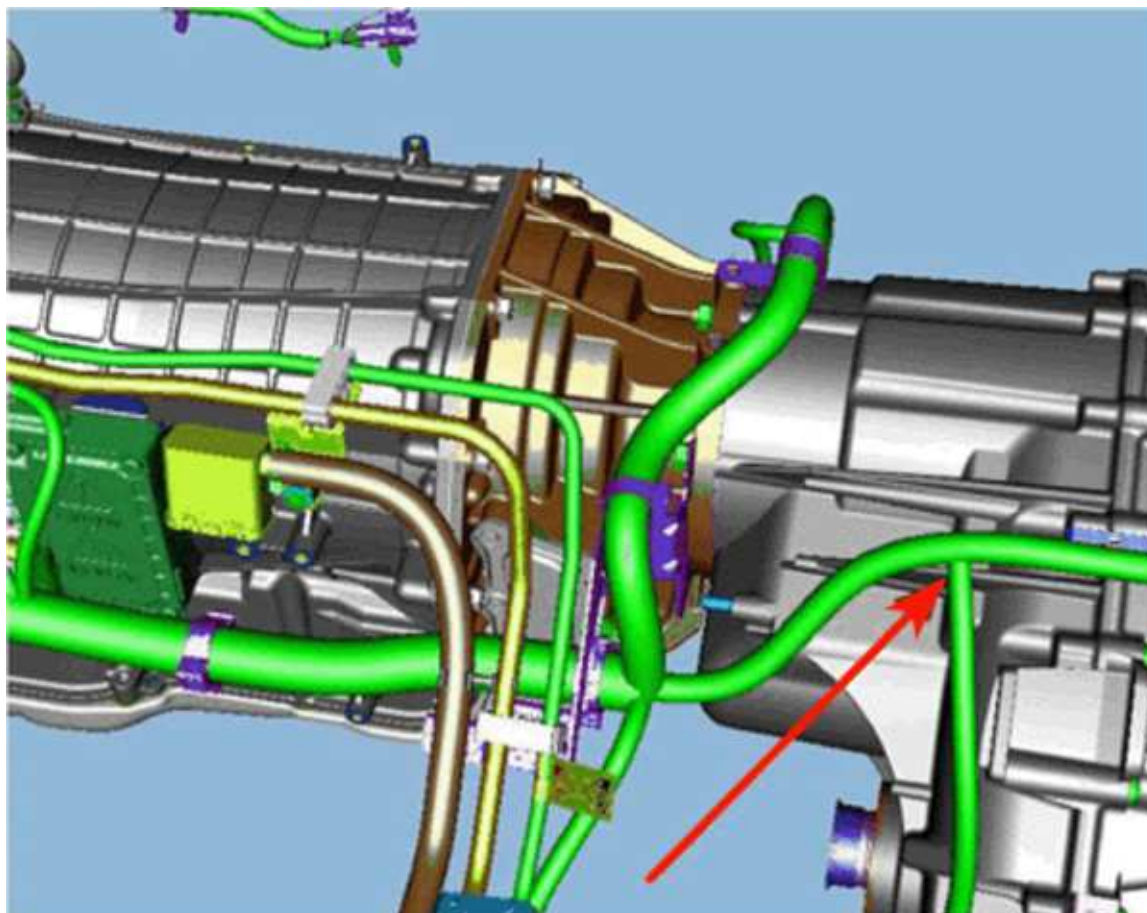
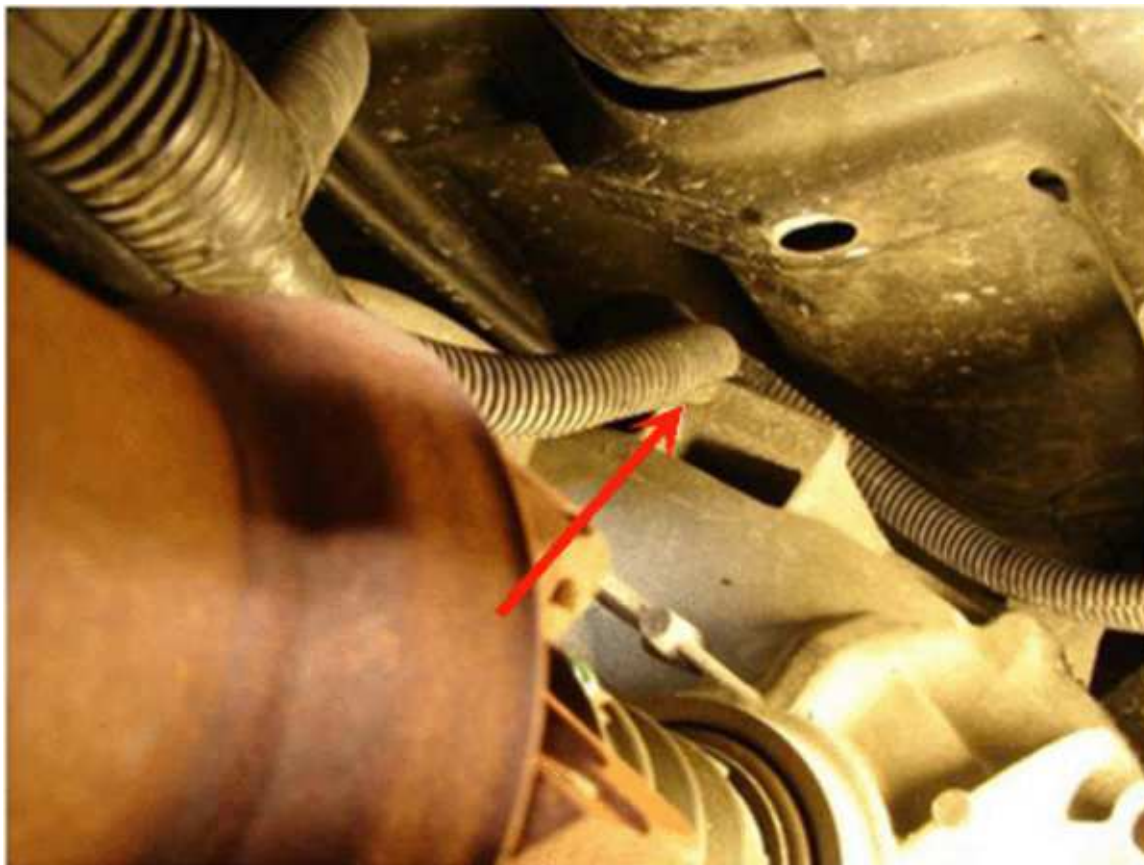
- Inspect engine harness on both sides of the engine for the holding clip being mis-positioned and the conduit tab (that is part of the clip) is cutting into the harness.

You may have to physically remove the clip and pull the harness out of the conduit and inspect the harness.



- Inspect the chassis harness that is right above the transfer case assembly. The opening in conduit can align with a boss on the transfer case and cut into the wiring.

You may have to physically remove the wiring and check the High Speed and Powertrain Expansion Bus wires for damage.



- It is also recommended to check other areas noted in 08-07-30-021E (Loss of High Speed GMLAN Communications, Intermittent No Crank, IP Gage)
- 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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