



Preliminary Information

PIT5847G SES Light - Reduced Power - DIC Warning Messages - Reduced Steering Message - Stabilitrack Message

Models

| Brand: | Model: | Model Years: | VIN: | | Engine: | Transmissions: |
|-----------|--------|--------------|------|-----|---------|----------------------|
| | | | from | to | | |
| Cadillac | XT5 | 2019 - 2023 | All | All | All | All |
| Cadillac | XT6 | 2020 - 2023 | All | All | All | All |
| Chevrolet | Blazer | 2019 - 2023 | All | All | All | All |
| GMC | Acadia | 2019 - 2023 | All | All | All | Except M2D, M7U, M7W |

| | |
|----------------------------|--|
| Involved Region or Country | North America |
| Condition | <p>A customer may complain of a SES light on, reduced power, various warning messages including service brake, service steering, stabilitrack or other warning messages.</p> <p>DTC codes P0232, P023F, P035C, P035E, P0641, P0697, P07BE, P1000, P1009, P2535, P129D, P12A6, P12A8, P2635, P3051, P3052, P3055, P3056, P305B, U0074, U0077, U0121, U0131, U0151, U0415, U0420, U18A2, U18C6, U18D2, U2502, U2616 or others may be found depending on which circuits are damaged.</p> <p>This concern may be intermittent.</p> |
| Cause | <p>Wiring harness rubbing on the battery tray support bracket which secures the TCM. (see photos below)</p> <p>The harness may also rub on one of the studs that secures the top of the control valve body cover.</p> <p>The harness may also rub on a bracket securing the transmission cooler line. (see photos below)</p> <p>The harness may chafe through causing damage to various circuits.</p> <p>Codes and symptoms will vary depending on which circuit or circuits are damaged.</p> |

Correction:

Inspect the harness below the battery tray for rubbing on the bracket below the tray which secures the TCM.

Inspect the harness at the transmission oil pan studs and at the bracket securing the transmission oil cooler line for contact with the harness.

If damage is found repair any damaged circuits and tape up the harness.

NOTE: There have been cases reported where there was no physical damage seen on the outer harness, but when the harness was opened there were damaged circuits inside.

If it is found that the harness is contacting the bracket, valve body stud or cooler line bracket, cut the harness open in that area and carefully inspect the wires for damage.

If damage is found repair any damaged circuits and tape up the harness.

It will be necessary to remove the battery and battery tray to perform the repairs.

Inspect for any retainers that are missing.

Reroute or properly secure the harness to prevent further damage.

It may also be necessary to install a piece of heater hose, conduit or both over the harness to prevent a reoccurrence of the concern.



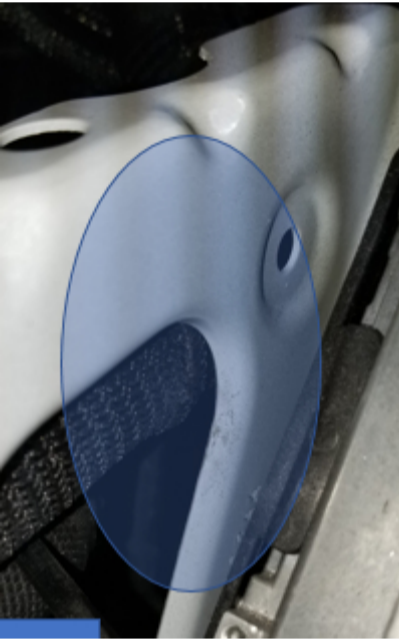
Battery and battery tray are removed to show the area of concern.



Close up of area where harness may chafe.

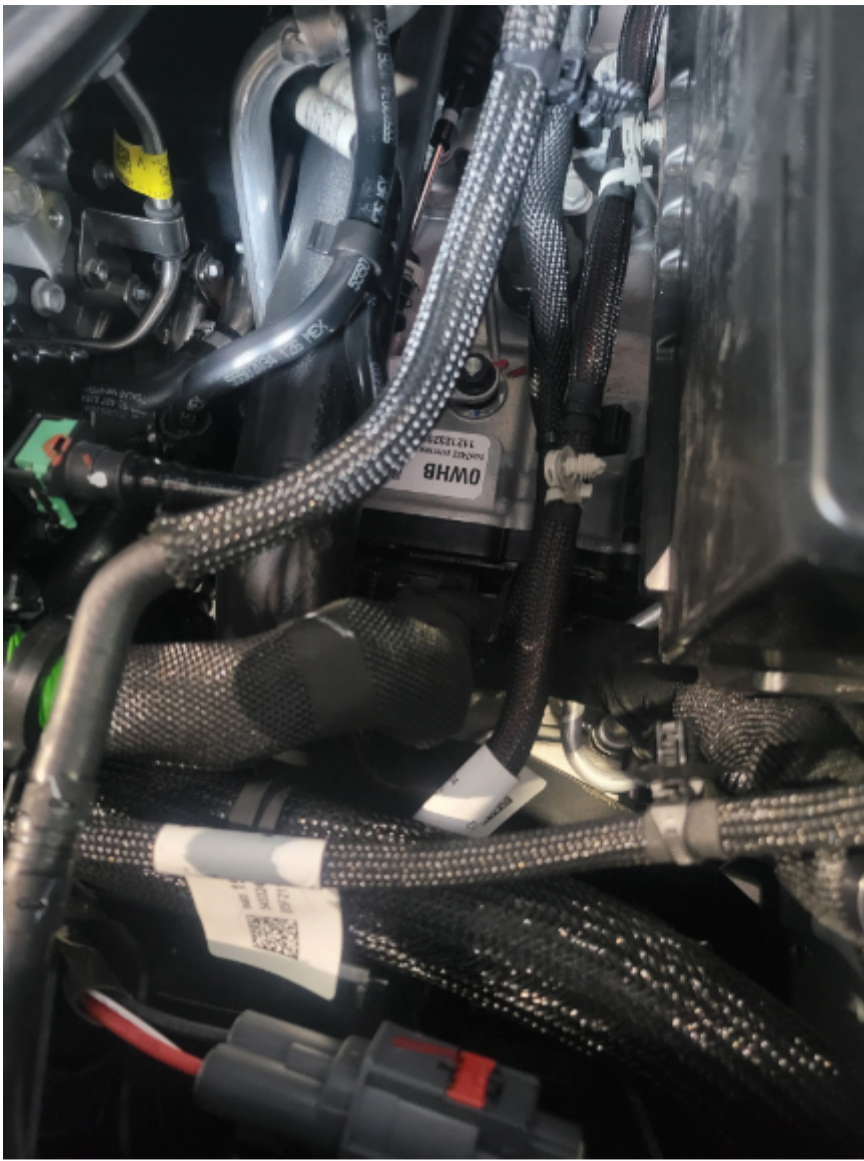


Harness may chafe in the areas shown in the photos above and below.



Above shows a harness that was chaffed by the bracket.

If no damage is found in that area follow the harness over to the area at the top of the control valve body cover. Inspect for damage to the harness caused by one of the studs securing the cover. Inspect area near transmission cooler line bracket as shown below.



Close up of area where harness may rub.



If damage is found, repair the harness and secure it as necessary.

Version History

| Version | 8 |
|----------|---|
| Modified | <p>07/13/2021 - Created on.</p> <p>08/16/2021- Added Acadia, XT5 and XT6 and additional codes.</p> <p>09/15/2021- Added note to inspect harness above control valve body cover.</p> <p>03/29/2022- Added note to open harness if chaffing is seen and added MY 2022 per Bill Taylor, BQM</p> <p>05/20/2022- Added verbiage and photos showing area where harness may rub at transmission cooler line bracket.</p> <p>07/25/2022 - Added codes P07BF P176B, P176C and P176D per request of Bill Taylor</p> <p>09/06/2022- Added codes P149A P2186 P2184 per request of David Luka, FSE</p> <p>10/10/2022- Updated to model year 2023 per Tom Burlingame- engineering is still working on a final resolution-corrected RPO list</p> |



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