



Service Bulletin

Bulletin No.: 22-NA-252

Date: May, 2023

INFORMATION

Subject: Information on Malfunction Indicator Light (MIL) Illuminated - DTC U0284, U0285, U1345, and/or U2A9 Set

| Brand: | Model: | Model Year: | | VIN: | | Engine: | Transmission: |
|-----------|---|-------------|------|------|----|---------|---------------|
| | | from | to | from | to | | |
| Cadillac | Escalade Models | 2022 | 2023 | | | LM2 | |
| Chevrolet | Silverado 1500 - New (RPO J22, VIN Digit 5 = A/D) | | 2022 | | | | |
| | Suburban | | 2023 | | | | |
| | Tahoe | | 2023 | | | | |
| GMC | Sierra 1500 - New (RPO J22, VIN Digit 5 = H/U) | | 2022 | | | | |
| | Yukon Models | 2023 | | | | | |

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| Involved Region or Country | North America, Europe, Uzbekistan, Russia, Middle East, Israel, Palestine, Argentina (Mercosur), Bolivia (West), Chile (West), Colombia (West), Ecuador (West), Paraguay (West), Peru (West), Uruguay (West), Japan, Cadillac Korea (South Korea), Thailand (ASEAN), Australia/New Zealand |
| Condition | Some customers may comment that the Mil is illuminated. Some technicians may see one or more of the following DTCs set in the ECM: <ul style="list-style-type: none"> • U1345: Engine Control Module LIN Bus 1 • U02A9: Loss of Communication with Charge Air Cooler Pump • U0284: Lost Communication with Active Grill Air Shutter Actuator 1 • U0285: Lost Communication with Active Grill Air Shutter Actuator 2 Additionally, other communication DTCs related to LIN modules might be set. |
| Cause 1 | DTC U02A9 and U1345 may be caused by an unsealed pump electrical connector allowing water leakage into the (M10) connector. |
| Cause 2 | DTC U1345, U0284 and U0285 may be caused by the engine wiring harness to active grille air shutter actuator in-line connector: <ul style="list-style-type: none"> • Not properly connected • Not properly hold by the rear clip • Grounded on the radiator |
| Cause 3 | DTC U1345 and U0284 may be caused by the active grill air shutter wiring pinched at the radiator support. |

Correction 1

For DTC U02A9 and U1345:



6219342

U02A9 might be set with or without U1345. An unsealed pump connector allowing water leakage into the (M10) charge air cooler pump electrical connector might be the root cause of the communication failure.

Check the CAC Pump connector sealing and look for any corrosion at the pump due to water leakage.

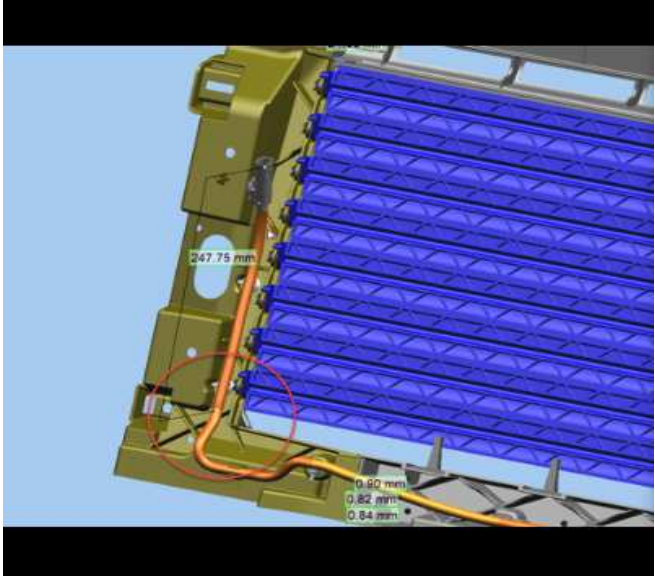
Correction 2

For DTC U1345, U0284 and U0285:



6219339

Check circuit 4621 connection.

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| <p>Correction 3</p> | <p>For DTC U1345 and U0284:</p> <div style="text-align: center;">  </div> <p style="text-align: right; font-size: small;">6219340</p> <p>The graphic above depicts where a pinching condition may be located.</p> <ul style="list-style-type: none"> – Check the active grill air shutter wiring route to identify possible damaged points in the wiring. |
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Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Service Procedure

Refer to SI to diagnose and identify the root cause of the original failure.

Warranty Information

Only use the Labor Operation number that coincides with the repair performed.

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| Version | 2 |
| Modified | Released December 20, 2022 Revised May 05, 2023 - Added 2023 Model Year to Applicable Vehicles. |

