



STAR ONLINE PUBLICATION



Case Number: S2408000086

Release Date: August 2024

Symptom/Vehicle Issue: Central ADAS Decision Module (CADM) Low-Level / CADM Mid-Level / (CADM2), Driver Monitoring System Module (DMSM), Global Navigation Motion Module (GNMM), Long Range Camera Front (LRCF), Long Range Radar Front (LRRF), Mid-Range (Corner) Radar(s) (MRR), Advanced Driver Assist System (ADAS), Loss of ADAS Features, Lane Assist Inoperative, Service Active Lane Management Message

Customer Complaint /Technician Observation: Owner complains of a cluster message “Service Active Lane Management” or Loss of ADAS features along with the following conditions Adaptive Cruise Control, Lane Departure, Driver Assist, Lane Keeping System Inoperative. After recent Battery Replacement, and/or Battery Discharge Repair.

Technicians may observe one or more of the following Diagnostic Trouble Codes:

C2129-16 – BATTERY VOLTAGE - CIRCUIT VOLTAGE BELOW THRESHOLD

B2199-16 – BATTERY VOLTAGE - CIRCUIT VOLTAGE BELOW THRESHOLD

Discussion: Battery Drainage which will result in a Low Battery State of Charge (SoC) may impact ADAS system functionality. Prior to conducting any service repair procedure, please ensure the Main Battery and Auxiliary Battery State of Charge is above 90%. In cases such as this, prior to delivering the vehicle to the customer, please ensure the following.

Repair Procedure:

1. Ensure Main Battery and Auxiliary Battery State of Charge is above 90%.
2. Perform a full key ‘OFF’ BUS sleep cycle for a minimum of **10 minutes**,
3. Follow the “**Battery Voltage - Circuit Voltage Below Threshold**” diagnostics which include the system “**Verification Test**” as published in Service Library – Examples pg 2.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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- 28 - DTC-Based Diagnostics / MODULE, Central ADAS Decision (CADM), Low Level / Standard Procedure
- 28 - DTC-Based Diagnostics / MODULE, Central ADAS Decision (CADM), Mid Level / Standard Procedure
- 28 - DTC-Based Diagnostics / MODULE, Central ADAS Decision (CADM2) / Standard Procedure

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