



STAR ONLINE PUBLICATION



Case Number: S2408000056 Rev. A

Release Date: December 2024

Symptom/Vehicle Issue: Forward Collision Warning (FCW), or Adaptive Cruise Control (ACC) Warning Lamps Illuminate on The Instrument Panel Cluster (IPC)

Customer Complaint/Technician Observation: The owner complains of the above system warning lamps that appear on the cluster while driving. The technician observes the vehicle is setting the following Diagnostic Trouble Codes (DTCs) in the ACC module, stored or active.

C1417-78: Horizontal Misalignment of Sensor - Incorrect Alignment or Adjustment

C1418-78: Vertical Misalignment of Sensor - Incorrect Alignment or Adjustment

C1409-97: Blinded Radar Sensor - Obstructed or Blocked Component

Repair Procedure: When the above DTCs are set for FCW (Forward Collision Warning) and Adaptive Cruise Control (ACC) both systems may be temporarily unavailable when the warning lamp appears for the above DTCs. These conditions can arise when the radar cannot detect obstacles correctly.

Temporary deactivation is caused by the following conditions:

- Change in vehicle weight distributed unevenly.
- Change in vehicle geometry.
- Roads with limited presence of radar references (guard rails, road signs, other vehicles being sensed, etc.).
- Severe weather conditions (snow fall or heavy rain).
- Highly reflective conditions (e.g., tunnels with reflective tiles, or ice or snow, or sites with road work, blinding angles of the sun).
- Presence of mud, dirt or ice on bumper or radar surface and/or cover support areas.

NOTE: Conditions above can appear during normal system relearning while alerting the driver that the FCW and ACC (if activated) that it may be temporarily inhibited until the condition (s) is cleared. Updates to improve the system sensitivity are expected by the 1st quarter of 2025 with the release of a new Brake System Software.

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.