



STAR ONLINE PUBLICATION



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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 lamp or message 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.

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 the FCW and ACC will be temporarily unavailable with a corresponding warning lamp or message for the above DTCs.

When these conditions arise and the radar cannot detect obstacles during normal driving, the system warns the owner and temporarily deactivates the systems.

Temporary deactivation is caused 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: This is not a system fault, but rather a message alerting the driver that the FCW and ACC (if activated) may be temporarily inhibited until the condition is cleared allowing a normal system relearn while driving. In this case no radar adjustment nor replacement is required.

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.