

TECHNICAL SERVICE BULLETIN

Classification:

DA22-006

Reference:

ITB22-035

Date:

October 10, 2022

LANE CAMERA OVER TEMPERATURE DTC STORED

APPLIED VEHICLES: 2022-2023 QX60 (L51)

SERVICE INFORMATION

The Lane Camera can become overheated if the interior room temperature or temperature around the camera becomes excessively high, and does not initially indicate a sustained fault. If overheated, the Lane Camera should be cooled to outside ambient temperature, any stored DTCs erased, and then allowed to resume operation. Refer to the ESM for any DTCs that will not erase.

This condition may cause the following system functions to be suspended:

- Vehicle-to-vehicle distance control mode (ICC - Intelligent Cruise Control)
- Conventional (fixed speed) cruise control mode
- Steering wheel assistance function
- AEB (Automatic Emergency Braking)
- LDW (Lane Departure Warning)
- I-LI (Intelligent Lane Intervention)
- Blind Spot Intervention
- TSR (Traffic Sign Recognition)

AND

Can store one or more of the following DTCs as PAST or CURRENT:

- C2501-4B (Front camera unit)
- C1F05-4B (Front camera unit)
- C1F6B-4B (Front camera unit)

For client information, see **Talk Tip** "Client" statement on page 3.

Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

If DTC C1F6B-4B, C2501-4B and/or C1F05-4B is stored as "PAST":

1. Erase the DTC.
2. Perform **DTC CONFIRMATION PROCEDURE** (below).
3. Refer to the Owner's manual and search for "Unavailable: High Cabin Temperature" in Instruments and controls.
4. Refer to **Talk Tip** on page 3.

If DTC C1F6B-4B, C2501-4B, and/or C1F05-4B is stored as "CURRENT":

1. Turn the ignition OFF. Allow the vehicle interior and area around the camera to cool.
2. Turn the ignition ON and check for DTCs again.
 - a. If the DTC changed to "PAST":
 - Erase the DTC.
 - Perform **DTC CONFIRMATION PROCEDURE** (below).
 - Refer to the Owner's manual and search for "Unavailable: High Cabin Temperature" in Instruments and controls.
 - b. If DTC C1F6B-4B, C2501-4B and/or C1F05-4B remain "CURRENT", refer to the ESM for further diagnostic information.
3. Refer to **Talk Tip** on page 3.

DTC CONFIRMATION PROCEDURE

1. Turn the ignition switch OFF.
2. Wait for 10 minutes or more to cool the Lane Camera unit.
3. Start the engine.
4. Turn the AEB system ON.
5. Check for DTCs.
 - If the DTC(s) has cleared, the **SERVICE PROCEDURE** is complete.
 - If C1F6B-4B, C2501-4B, and/or C1F05-4B is stored as "CURRENT", refer to the ESM for further diagnostic information.

Talk Tip

Technician

On all Infiniti vehicles equipped with a Lane Camera, when interior cabin temperatures or temperatures around the lane camera are too high, Diagnostic Trouble Codes (DTCs) can be stored and Steering Assist, Lane Departure Warning (LDW), Pro-Pilot, or Traffic Sign Recognition (TSR) unavailable messages may be displayed. The systems will return to normal operation once cabin temperatures have lowered. Review the client completed symptom survey to verify the concern. When interior cabin temperatures have lowered, inspect for any broken or malfunctioning parts, confirm warning messages are no longer present, and Lane Camera DTCs are in a past state. Lane Camera replacement is not required for a past DTC. Refer to the vehicle owner's manual on high cabin temperature conditions, expected system operating conditions and the ESM for DTC diagnostic procedures.

Client

We understand you may be concerned if your vehicle displays a Steering Assist, Lane Departure Warning (LDW), Pro-Pilot, or Traffic Sign Recognition (TSR) Unavailable message. When interior cabin temperatures or temperatures around the Lane Camera are too high, these warning lights will appear to notify you a system may be unavailable. Once the interior temperature and temperature around the lane camera have lowered, normal operation will resume. In some instances the engine may need to be turned off and back on in a safe location. We have carefully inspected your vehicle for any broken, malfunctioning parts or Diagnostic Trouble Codes and have not found any concerns. Your vehicle is operating as intended.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
October 10, 2022	ITB22-035	Original bulletin published

