



Service Bulletin

PRELIMINARY INFORMATION

Subject: Adaptive Cruise Temporarily Unavailable Message Lane Keep Assist (LKA) Inoperative in High Ambient Temperatures

Models: 2013 - 2016 Cadillac ATS
2014 - 2016 Cadillac CTS (VIN A)
2013 - 2016 Cadillac XTS
2015 - 2016 Cadillac Escalade Models
2013 - 2016 Cadillac SRX

Condition/Concern

Some customers may comment that an Adaptive Cruise Temporarily Unavailable message is displayed in the DIC when attempting to use Cruise Control after the vehicle has been parked in direct sunlight in high ambient temperatures. Furthermore it may be noticed that the Lane Keep Assist (LKA) will also be inoperative on startup and the LED indicator on the LKA switch will not be illuminated. If the LKA switch is pressed in this state, the DIC will display Lane Keep Assist Unavailable.

If the Camera's internal ECU temperature exceeds 85 degrees C (185 deg. F) the image sensor will shut down. (The internal operating temperature range for the image sensor is -40 deg. C to 85 deg. C. (-40 deg. F to 185 deg. F.)) When this happens the image processor no longer functions and as a result Adaptive Cruise Control and Lane Keep Assist will be unavailable until the temperature falls within the operating range.

There are two failure modes based on the ECU temperature, the data seen in GDS will be different depending on which failure mode is present.

1. First stage:

- Adaptive Cruise Temporarily Unavailable Message
- LKA does not function
- Image Sensor in front View Camera Module (FVCM) stops functioning.
- GDS Data
 - a. Disengage history shows Active Safety Control Module as YES for loss of communication.

2. Second Stage:

- Adaptive Cruise Temporarily Unavailable Message
- LKA does not function
- Image Sensor in front View Camera Module (FVCM) stops functioning.
- FVCM stops functioning on the bus.
- GDS Data:
 - a. Disengage history shows Active Safety Control Module as YES for loss of communication.
 - b. Disengage history shows Front View Camera Module as YES for loss of communication.
 - c. U026A sets.

Recommendation/Instructions

Advise the customer this is Normal Operation in high ambient temperatures with the vehicle parked in direct sunlight.

When the temperature of the FVCM drops to within normal operating range during the same drive cycle, the Adaptive Cruise and Lane Keep Assist will return to normal operation.

Tips:

Avoiding parking in direct sunlight during high ambient temperatures will lessen the chances of this occurring.

Driving with the Air Conditioning on will assist in decreasing the cabin/FVCM temperature as quickly as possible

Customer Information

Please communicate to the customer this condition is a normal operating characteristic of their vehicle. It will not impact the designed performance or reliability of the vehicle. Please share this information with the customer, including a copy of this message

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION