



Preliminary Information

PIC6123E Adaptive Cruise Temporarily Unavailable or Forward Collision System Unavailable Message - Lane Keep Assist (LKA) Inoperative in High Ambient Temperatures

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	ATS	2013 - 2019	All	ALL	ALL	ALL
Cadillac	CTS (VIN A)	2014 - 2019	ALL	ALL	ALL	ALL
Cadillac	CT6	2016 - 2019	All	ALL	ALL	ALL
Cadillac	XTS	2013 - 2019	ALL	ALL	ALL	ALL
Cadillac	XT5	2017 - 2019	ALL	ALL	ALL	ALL
Cadillac	Escalade Models	2015 - 2019	ALL	ALL	ALL	ALL
Cadillac	SRX	2013 - 2017	ALL	ALL	ALL	ALL
GMC	Acadia	2017 - 2019	ALL	ALL	ALL	ALL

Supersession Statement

This PI was updated Condition/Concern. Please discard PIC6123D.

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 inoperable 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 Cameras 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.

Recommendations / 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.

