



Service Bulletin

PRELIMINARY INFORMATION

Subject: Inaccurate or Slow Response of Outside Air Temperature Display

Models:

- 2010-2013 Buick LaCrosse
- 2011-2013 Buick Regal
- 2013-2016 Buick Encore
- 2010-2015 Chevrolet Camaro
- 2010-2016 Chevrolet Equinox
- 2011-2016 Chevrolet Cruze
- 2013-2016 Chevrolet Malibu
- 2010-2016 GMC Terrain

Attention: This PI also applies to any of the above models that may be Export vehicles.

This PI has been revised to add the 2015-2016 Model Years. Please discard PI0233D.

Condition/Concern #1

Some customers may comment that the outside air temperature display is inaccurate when starting the vehicle, or that the display is slow to change/update after starting the vehicle.

Recommendation/Instructions #1

For comments of the outside air temperature display is inaccurate when starting the vehicle, or that the display is slow to change/update after starting the vehicle.

Important: DO NOT replace the instrument cluster for this condition as it will not correct the concern.

An intentional delay is built into the system, as a parked vehicle encounters conditions that may cause inaccurate readings of the outside air temperature. Higher than actual readings could be encountered if the vehicle is left sitting in direct sunlight, or if the vehicle engine is warm when parked.

To assure greater accuracy of the reported outside air temperature, the display is programmed to perform updates on the following schedule when the vehicle is started.

If the vehicle is driven at:

1. **25-40♦km/h (15-25♦mph)**, the display will update after 5 minutes.
2. **41-60♦km/h (26-37♦mph)**, the display will update after 2 min 30 sec.
3. **61-100♦km/h (38-62♦mph)**, the display will update after 1 minute.

Once the first temperature update begins, the outside temperature display is refreshed every 2 seconds.

Important: The outside temperature display will update immediately if the vehicle is turned off for more than 200 minutes or if the sensed outside temperature is below the value when the ignition was previously turned off.

For comments in which the air temperature display is inaccurate while driving, follow Outside Air Temperature Display Inaccurate or Inoperative diagnostic in SI If following the diagnostic does not identify an issue, do not replace the Ambient Air Temperature Gauge Sensor. The differences between the actual ambient temperature and that displayed by the vehicle is likely caused by a variety of factors including air flow at and around the temp sensor, heat from other vehicles, etc. For these conditions, replacement of the Ambient Air Temperature Gauge Sensor and/or instrument cluster will not change the temperature readings.

Condition/Concern #2

Some customer may also comment that the air temperature display is inaccurate while driving, particularly in high traffic conditions and most often will display a temperature that is higher than the actual temperature.

Recommendation/Instructions #2

For comments in which the air temperature display is inaccurate while driving, follow Outside Air Temperature Display Inaccurate or Inoperative diagnostic in SI If following the diagnostic does not identify an issue, do not replace the Ambient Air Temperature Gauge Sensor. The differences between the actual ambient temperature and that displayed by the vehicle is likely caused by a variety of factors including air flow at and around the temp sensor, heat from other vehicles, etc. For these conditions, replacement of the Ambient Air Temperature Gauge Sensor and/or instrument cluster will not change the temperature readings.

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.



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