



# Preliminary Information

## PIC6232A Outside Air Temperature Does Not Read Correctly

Proactive

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	LaCrosse	2017 - 2019	All	All	LGX	All

<b>Involved Region or Country</b>	<b>North America</b>
<b>Condition</b>	<b>A vehicle may be brought into the dealer with a complaint of the outside air temperature/ambient air temperature display reading incorrectly.</b>
<b>Cause</b>	<b>The system may be operating as designed but the customer does not understand that there may be a delay in the update of the outside air temperature (OAT) display due to the update strategy involved.</b>

### Correction:

#### Model Year 2017

**Customer should be advised of the update strategy for the OAT display as outlined below:**

**Vehicle is off for less than 30min:**

- 1. Vehicle speed <30 km/h (19 mph), the OAT will not update.**
- 2. Vehicle speed between 30-85km/h (19-53 mph) for more than 231 secs (3 min. 51 secs), OAT will be valid and update slowly to the current temperature**
- 3. Vehicle speed between 85-200km/h (53-124 mph) for more than 208 secs (3 min. 28 secs), OAT will be valid and slowly update to the current temperature**

**Vehicle is off for more than 30 min and less than 120min:**

- 1. Vehicle speed < 30km/h (19 mph), the OAT will be invalid.**
- 2. Vehicle speed between 30-85km/h (19-53 mph) for a time less than 231 secs (3 min. 51 secs), depending on off time, OAT will be valid and slowly update to the current temperature**
- 3. Vehicle speed greater than 85km/h (53 mph) for a time less than 208 secs (3 min. 28 secs), depending on off time, OAT will be valid and slowly update to the current temperature**

**Vehicle is off for more than 120 min (2 hours):**

**Start vehicle, the OAT will be valid immediately and display the current temperature.**

**Note: If the vehicle speed drops below the above mentioned readings the algorithm timer resets to 0 and starts over.**

## Model Year 2018-2019:

Vehicle is off for less than 150 min. (2 hours 30 mins)

1. Vehicle speed < 16 km/h, (10 mph) the OAT will be invalid.
2. Vehicle speed between 18-56 km/h (11- 35 mph) for more than 240 secs (4 mins), OAT will be valid and slowly update to the current temperature
3. Vehicle speed greater than 56 km/h (35 mph) for more than 200 secs (3 mins 20 secs), OAT will be valid and slowly update to the current temperature

Vehicle is off for more than 150 min (2 hours 30 mins):

Start vehicle, the OAT will be valid immediately and display the current temperature.

**Note: If the vehicle speed drops below the above mentioned readings the algorithm timer resets to 0 and starts over**

**Note: This issue is under review and this PI may be converted to a Bulletin if new information is available.**

## Version History

Version	2
Modified	11/18/2016 - Created 10/22/2018 - Update model years and add ambient temp strategy for model year 2018-2019



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