



# Service Bulletin

File in Section: -

Bulletin No.: PI1166B

Date: October, 2014

## PRELIMINARY INFORMATION

**Subject:** Vehicle Slow to Heat Up in Cold Ambient Temperatures

**Models:** 2013-2015 Buick Encore  
2011-2015 Chevrolet Cruze  
2012-2015 Chevrolet Sonic  
2013-2015 Chevrolet Spark, Trax  
Equipped with 1.2L Gasoline Engine – RPO LL0  
Equipped with 1.4L Gasoline Engine – RPO LUJ or LUV  
Equipped with 1.8L Gasoline Engine – RPO 2H0, LUW or LWE

This PI has been revised to add Model Year 2012 Sonic and add Model Year 2015 vehicles.  
Please discard PI1166A.

### Condition/Concern

Some customers may comment in cold ambient temperatures on the following:

- The engine is slow to reach normal coolant operating temperatures as indicated by the engine coolant temperature gauge.
- The air coming out of the heater outlet ducts is not warm enough for their personal preferences.
- The vehicle is not warm when using the Remote Vehicle Start feature.

### Recommendation/Instructions

The energy efficient engines that these vehicle are equipped with may not generate the same amount of heat at idle that the customer may be accustomed to when compared to older less efficient engines. Additionally depending on extreme cold ambient temperatures, a short drive cycle under light engine load may also not generate enough heat to reach normal engine coolant operating temperatures as indicated by the engine coolant temperature gauge and therefore insufficient heat from the heater outlet ducts.

1. Perform the Diagnostic System Check - Vehicle.
    - ⇒ If any DTCs are set, Go to Diagnostic Trouble Code (DTC) List - Vehicle in SI.
    - ⇒ If no DTCs are set, Go to Step 2.
  2. Verify the coolant in the radiator surge tank is at the correct level.
  3. **DO NOT** replace the engine coolant thermostat unless a DTC code is set related to the thermostat, as the ECM monitors the thermostat each key cycle to ensure it is operating within design parameters.
- ⇒ **If there are no DTCs, the engine coolant level is correct and the thermostat is diagnosed as operating correctly, then the comment of the engine is slow to reach normal coolant operating temperatures should be considered as a normal operating condition of these energy efficient engines in cold ambient temperatures.**

### Customer Information

Please communicate to the customer that this condition as described 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 information.