

File in Section: -

Bulletin No.: PIC5703

Date: July, 2012



Service Bulletin

INFORMATION

Subject: Fuel Gauge Inoperative / Code P0461 Set

Models: 2012 Chevrolet Sonic

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

The customer may comment that their fuel gauge is inoperative and the gauge is stuck on E with a full tank of fuel. Upon Diagnosis the dealer technician may find DTC P0461 set in the ECM and after clearing the code the gauge will begin to read correctly.

Recommendation/Instructions:

Before replacing any parts, verify concern is not being induced by the customer frequently topping off the fuel tank or overfilling the fuel tank past the automatic shut-off of the pump. The fuel tank level sensor is calibrated to a specific level in the fuel tank to be the full mark. While driving the vehicle the ECM performs a calculation based on mileage and fuel usage, if the vehicle does not use the proper amount of fuel in a given mileage, code P0461 can set and cause the fuel gauge to become inoperative.

Dealers are advised to explain to the customer on the importance of not over filling the fuel tank or refilling too frequently, and advise them when the pump stops that the fuel tank is full to calibrated capacity.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.