



Service Bulletin

File in Section: -

Bulletin No.: PIC5632

Date: February, 2012

PRELIMINARY INFORMATION

Subject: Fuel Gauge Defaults To Empty Low Fuel Indicator On P0461 Set

Models: 2008 - 2012 Chevrolet Impala

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

Condition/Concern:

Some customers may comment that their fuel gauge defaults to empty and the low fuel indicator come on in the IPC at times. Additionally the dealer may find a P0461 set history in the ECM and not be able to duplicate the code being current.

Recommendation/Instructions:

The condition for setting the P0461 is the ECM does not detect a change in fuel level of at least 1.6 percent over a distance of 193 km (120 miles). Unless the dealer drives the vehicle 193 km (120 miles) within one ignition cycle, the diagnostics for the code will not run and the code will not set.

Technicians should check the sending unit arm for binding on the convoluted tubing on the fuel tank module assembly.

Technicians should remember that the fuel tank module assembly is compressed when it is installed in the fuel tank. Testing for the sending unit arm contacting the convoluted tube should be done with the fuel tank module assembly compressed.

Technical assistance has received calls on this issue. Most vehicles were found to have already had a sending unit replaced.

If the condition described above is encountered, use a tie strap to keep the convoluted tube from contacting the sending unit arm or float.

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.