2003 - 2005 Corvette: Service Bulletin: Erratic Fuel Gauge Readings, Fuel Gauge Reads Empty When There Is Fuel In Tank, DTC P0463 Set, Service Fuel System Message Displayed

Subject: Erratic Fuel Gauge Readings, Fuel Gauge Reads Empty When There Is Fuel In Tank, DTC P0463 Set, Service Fuel System Message Displayed
Number: 05.06.04.041A
Models: 2004-2005 Cadillac XLR
2003 Chevrolet Corvette (Built After December 2002)
2004-2005 Chevrolet Corvette Built Prior to December 2004

Attention: For the 2003 Chevrolet Corvette, this bulletin only applies to vehicles with the FFS fuel system.

Condition
Some customers may comment that the fuel gauge is erratic or reads empty when there is fuel in the tank. Also, the driver information center may display "Service Fuel System."

Upon investigation, the technician may find DTC P0463 set.

Cause
This condition may be due to the following causes:

- The sender card has insufficient ink and looses electrical contact when the tank is over filled.
- Loose or poor connections at the PCM.

Correction
Check the connections at the PCM/ECM using the proper pin drag test. Use

care to select the proper pin for testing. If all connections check good, then replace the left fuel tank level sensor with P/N 88967316.

Right fuel tank senders are rarely faulty and should only be replaced if diagnostic information specifically indicates replacement of the right fuel tank sender or a DTC P2068 is present.

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