

# 2004 - 2007 Cadillac XLR: Service Bulletin: Revised Fuel Sender Values

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## #PIC4159B: Revised Fuel Sender Values For The Chevrolet Corvette And The Cadillac XLR - keywords PIC4159 PIC4159A - (May 3, 2010)

**Subject:** Revised Fuel Sender Values For The Chevrolet Corvette a  
**Models:** 1997-2007 Chevrolet Corvette  
2004-2007 Cadillac XLR

PI is being re-instated.

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

### Condition/Concern:

The information below is designed to assist with fuel level concerns. The information below are all APPROXIMATE values only.

**Note:** The fuel sensor values have changed beginning with the 2007 model year vehicles. Be sure to use the correct values based on the model year that is being worked on. Essentially the resistance values are inverted from previous model years.

### Recommendation/Instructions:

All Values Below Are Approximate Fuel Sensor Values

2007 Corvette and 2007 XLR					
Fuel Gage Display	Fuel Level Sensor Left - Primary		Fuel Level Sensor Right - Secondary		Fuel Level - Gallons
	Resistance - ohms	Volts	Resistance - ohms	Volts	Fuel Level Remaining Parameter

E	167 - 250	2.04 - 2.5	250	2.54	0 - 2	3.8L (1.0 gal)
1/4	77	1.20	250	2.54	5.9	22.3L (5.9 gal)
1/2	40	0.71	250	2.54	9.9	37.5L (9.9 gal)
3/4	40	0.71	164	2.01	14.1	53.4L (14.1 gal)
F	40	0.71	40 - 45	0.71 - 0.78	17 - 18	68.1(18.0 gal)

1997-2006 Corvette and 2004-2006 XLR

Fuel Gage Display	Fuel Level Sensor Left - Primary		Fuel Level Sensor Right - Secondary		Fuel Level - Gallons	Fuel Level Remaining Parameter
	Resistance - ohms	Volts	Resistance - ohms	Volts		
E	40 - 57	0.71 - 0.95	40	0.71	1	3.8L (1.0 gal)
1/4	191	2.20	40	0.71	5.9	22.3L (5.9 gal)
1/2	250	2.54	40	0.71	9.9	37.5L (9.9 gal)
3/4	250	2.54	164	2.01	14.1	53.4L (14.1 gal)
F	250	2.54	215 - 250	2.35 - 2.5	18	68.1(18.0 gal)

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.

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