

# 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)

|                 |  |
|-----------------|--|
| <b>Subject:</b> | Revised Fuel Sender Values For The Chevrolet           |
| <b>Models:</b>  | 1997-2007 Chevrolet Corvette<br>2004-2007 Cadillac XLR |

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PI is being re-instated.

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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<br>Gage<br>Display | Fuel Level Sensor<br>Left - Primary<br>Resistance - ohms | Volts      | Fuel Level Sensor<br>Right - Secondary<br>Resistance - ohms | Volts          | Fuel<br>Level -<br>Gallons | Fuel<br>Level Re<br>maining<br>Parameter |
|-------------------------|--|------------|---|----------------|----------------------------|--|
| E                       | 167 - 250  | 2.04 - 2.5 | 250   | 2.54           | 0 - 2                      | 3.8L (1.0<br>gal)                        |
| 1/4                     | 77   | 1.20       | 250   | 2.54           | 5.9                        | 22.3L<br>(5.9 gal)                       |
| 1/2                     | 40   | 0.71       | 250   | 2.54           | 9.9                        | 37.5L<br>(9.9 gal)                       |
| 3/4                     | 40   | 0.71       | 164   | 2.01           | 14.1                       | 53.4L<br>(14.1 gal)                      |
| F                       | 40   | 0.71       | 40 - 45   | 0.71 -<br>0.78 | 17 - 18                    | 68.1(18.0<br>gal)                        |

1997-2006 Corvette and 2004-2006 XLR

| Fuel<br>Gage<br>Display | Fuel Level Sensor<br>Left - Primary<br>Resistance - ohms | Volts          | Fuel Level Sensor<br>Right - Secondary<br>Resistance - ohms | Volts | Fuel<br>Level -<br>Gallons | Fuel<br>Level Re<br>maining<br>Parameter |
|-------------------------|--|----------------|---|-------|----------------------------|--|
| E                       | 40 - 57  | 0.71 -<br>0.95 | 40  | 0.71  | 1                          | 3.8L (1.0<br>gal)                        |
| 1/4                     | 191  | 2.20           | 40  | 0.71  | 5.9                        | 22.3L<br>(5.9 gal)                       |
| 1/2                     | 250  | 2.54           | 40  | 0.71  | 9.9                        | 37.5L<br>(9.9 gal)                       |

|     |     |      |           |            |      |                     |
|-----|-----|------|-----------|------------|------|---------------------|
| 3/4 | 250 | 2.54 | 164       | 2.01       | 14.1 | 53.4L<br>(14.1 gal) |
| F   | 250 | 2.54 | 215 - 250 | 2.35 - 2.5 | 18   | 68.1(18.0<br>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.

Online URL:

<https://www.xlr-net.com/knowledgebase/article/2004-2007-cadillac-xlr-service-bulletin-revised-fuel-sender-values-93.html>