



**Crown Automotive Sales Co., Inc.**  
**Fuel Sending Unit Installation Instructions**  
**Replaces P/N: 53003341X**

**Kit Contents:**

- 1 - Fuel Sending Unit
- 1 - Fuel Filter
- 1 - 3/8" Fuel Hose
- 2 - Hose Clamps



**NOTICE:** This sending unit does not match the OEM sending unit. Modification to the new sending unit is necessary to directly replace the OE unit.

1. Ensure that all components in kit are accounted for.
2. Disconnect the negative terminal from your battery. Remove the fuel tank from the vehicle. Then remove the sending unit from the tank.
3. The old sending unit is configured differently from the replacement unit. The plug from the OE sending unit must be spliced into the replacement unit in order for it to be compatible with the OE harness. The recommended splicing method is with solder and heat shrink tubing. This method will ensure a strong electrical connection and provide a waterproof seal for years to come. The wires are as follows:

**OE Sending Unit**

| <u>Pin #</u> | <u>Color</u> | <u>Function</u> |
|--------------|--------------|-----------------|
| 1            | Black        | Ground          |
| 2            | White or Tan | Sending Unit    |

**Replacement Sending Unit**

| <u>Pin #</u> | <u>Color</u> | <u>Function</u> |
|--------------|--------------|-----------------|
| 1            | Black        | Ground          |
| 2            | XXX          | Sending Unit    |

4. The fuel pick-up must be extended from where the fuel barb is on the replacement sending unit. Use the provided piece of fuel hose and hose clamps to extend the filter so that it is about 1/4" higher than the rubber isolator at the bottom of the sending unit. The filter can now be installed.
5. Prior to installing the sending unit into the fuel tank plug the sending unit into the harness, then connect the negative battery terminal and ensure that it functions correctly. This can be performed by cycling the float from empty to 1/2 tank to full to ensure the gauge reads accordingly. The sending unit arm may need to be adjusted in order for the gauge to become accurate.
6. Once the sending unit has been tested and is accurate, disconnect the negative battery terminal, install the sending unit into the tank and reinstall the tank into the vehicle. After everything is installed connect the negative battery terminal and ensure that the sending unit still functions the way it should.

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