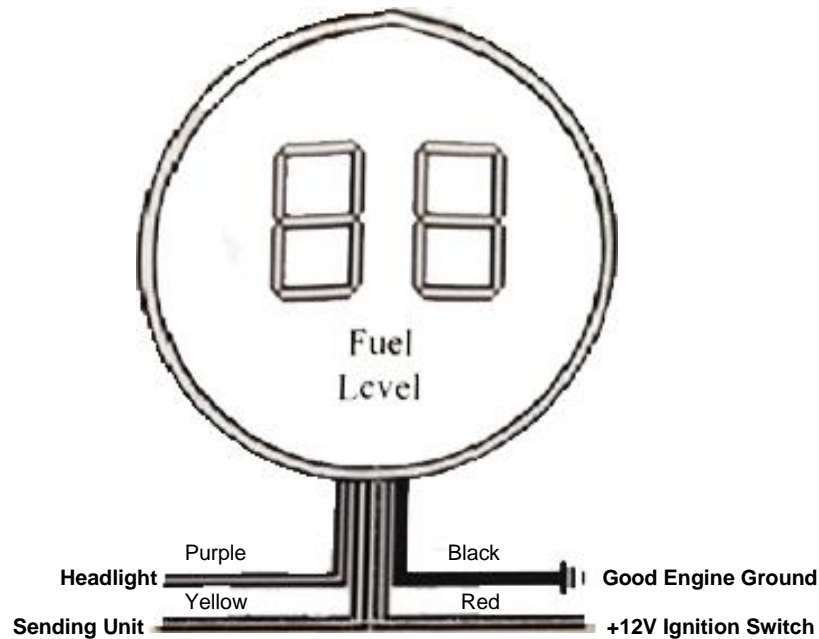


Installation Instructions for 41413 & 41433 Digital Fuel Level Gauge

Thank you for purchasing our digital fuel level gauge. Our gauges were designed and crafted in the US and are built to give you a lifetime of hassle-free operation, provided the gauge and sending unit is installed properly. * Disconnect the battery before attempting any electrical work on your vehicle. *

Note: Connect each wire with butt-terminal, disconnect-able terminal or solder and head-shrink each connection. Soldering is the preferred method.

Wiring Instructions



Model	Resistance	Wire(s) to cut
Ford/Chrysler	10 to 73 OHM	None
GM	0 to 90 OHM	Blue
VDO	10 to 180 OHM	Blue & Orange
Universal	33 to 240 OHM	Orange

Ground- BLACK This is the main ground for the display system. A wire should be run from this board to the vehicle's main chassis ground. Use 18 AWG or larger wire to ensure sufficient grounding. Proper vehicle grounding is extremely important for any gauges (or electronics) to operate correctly. The engine block should have heavy ground cables to the battery, frame, and firewall. Failure to properly ground the engine block, senders, or digital dash can cause incorrect or erratic operation.

Power- RED Connect the POWER terminal to accessory +12V power from the fuse panel or vehicle wiring harness. This terminal should have power when the key is on or in accessory position. Use 18 AWG wire to ensure the system receives a sufficient power feed.

Dimmer- Connect the **PURPLE** wire to the parking lights to dim the LEDs 50% when the headlights are on. However, do not connect to the headlight rheostat control wire; the dimming feature will not work properly.

Sending Unit- Connect the **YELLOW** wire to the factory fuel sending unit.

To ensure your device is working properly you can temporarily connect it directly to the battery. Connect the **RED** wire to the positive terminal and the **BLACK** wire to the negative terminal.

This device **WILL NOT** function properly without a steady +12V source. If possible, use a multimeter to test the selected +12V source to ensure that it meets this requirement.

Once connected the device should read "000" provided that the **Yellow** wire is not touching anything. If you then touch the **Yellow** wire to ground, the gauge should count upwards.

The **PURPLE** wire will dim the gauge when connected to +12V. If you would rather it stay at maximum brightness, attach it to ground. If you would like the gauge to dim when you turn on your headlights, attach the **PURPLE** wire to your headlight switch.

NOTE: Gauge mounts in a 2-1/16" hole. Use supplied brackets and nuts to secure gauge to dash. Sender features a 1/8" NPT male fitting and should automatically be grounded when grounded to engine block.



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