Programmable Fuel level instructions

Power Draw = 0.2 Amp
3A to 5A Inline Fuse Recommended for +12 Keyed Ignition

+12 volts keyed ignition ——— (Red)
Ground ——— (Black)
+12 volts Dash lighting ——— (White)

Fuel level Sensor signal ——— (Yellow)

+12 volts Dash lighting ——— Inverter
Ground ———

snap connector for dial lighting
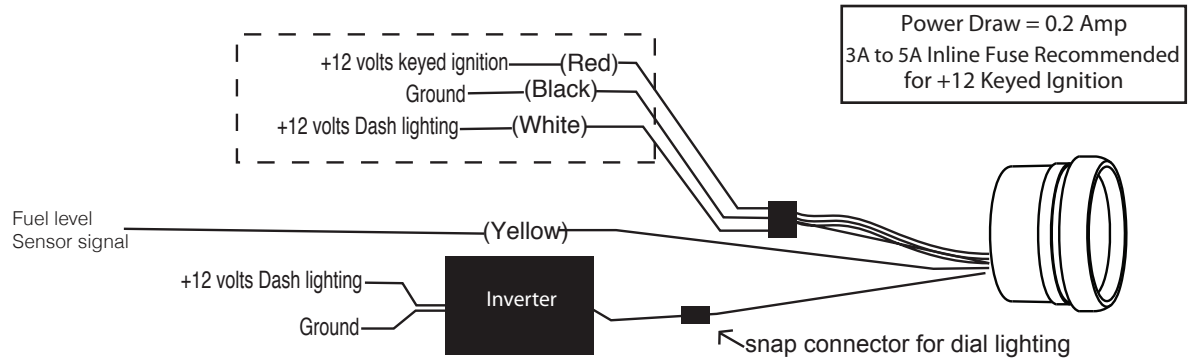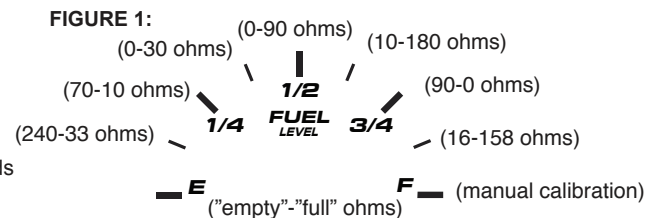

Fuel Level Gauge Calibration

Attention: CALIBRATION REQUIRED. The Fuel Level Gauge will not operate correctly until it has been calibrated to the vehicle's fuel level sender.

The fuel level gauge can be manually calibrated to any existing fuel tank sender or you can select one of the calibration presets (See Figure 1).
(**Factory default setting is 240 Ohms Empty and 33 Ohms Full.**)

FIGURE 1:

(0-30 ohms) (0-90 ohms) (10-180 ohms)
(70-10 ohms) 1/2 (90-0 ohms)
(240-33 ohms) 1/4 FUEL LEVEL 3/4 (16-158 ohms)
E F (manual calibration)
("empty"-"full" ohms)

1. While the gauge is powered up, press and hold the button down for 10-12 seconds until the pointer (needle) points at '1/8' tank then release the button. You are now in calibration mode.

2. Press and release button to toggle between available preset resistive ohm range options (see figure 1). The pointer will stop to each available setting with quick button presses. At the desired ohm range, press and hold the button down for 2 seconds to save the ohm range preset.

The pointer will then point to 'E' and begin and displaying the current fuel level.

Manual Calibration How to calibrate the FUEL LEVEL gauge to a custom Ohm Range:
If the preset ranges will not work for your fuel level sender then you have the option to manually calibrate the gauge.

Required: Fuel level sensor MUST be connected to gauge during manual calibration. The Fuel Level sender must be in the corresponding Full or Empty state that you desire to calibrate. (If the fuel level sender is installed in a fuel tank, the tank will have to be full to calibrate the full condition and the tank will have to be empty to calibrate the empty condition.)

1. While the gauge is powered up, press and hold the button down for 10-12 seconds until pointer (needle) points at '1/8' tank then release the button.

2. Press and release button until the pointer is pointing at the 'F' (see figure 1). Hold the button down for 2 seconds. Release the button; the pointer will now oscillate between 'E' and 'F'. You are now in Manual Calibration mode.

3.   **To calibrate Empty condition**, follow manual calibration steps 1 & 2: While your fuel tank is empty; when the pointer points at 'E' press the button. The gauge will exit the calibration menu and will attempt to display the current fuel level.

    To calibrate Full condition, follow manual calibration steps 1 & 2: While your fuel tank is full; when the pointer points at 'F' press the button. The gauge will exit the calibration menu and will attempt to display the current fuel level.

Important: Both Empty and Full conditions have to be calibrated before the gauge will display the fuel level accurately.