Installation

1. Disconnect negative (-) Battery Cable.
2. Connect wiring as above.
3. Mount Gauge for easy viewing. Use spin lock ring (included) to mount to panel. Spin ring threads in both directions. Snap white gauge connector to wire harness.
4. Reconnect negative (-) battery cable.

Fuel Level Gauge Calibration

For a demonstration of how to calibrate a Speedhut fuel level gauge with any fuel sender please watch this video, [https://youtu.be/3S5d59EUhFE](https://youtu.be/3S5d59EUhFE).

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.)

Note: On some gauge models the button is on the front of the gauge.

Other models, the button plugs into the back of the gauge.

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 at 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.

Note: For Gauges with an LED on the front - The LED will blink 2 times to indicate the preset range is saved.

***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.

Revision 11 JUN 2019
Setting fuel warning LED

Led can be set to turn on for a low fuel condition.

Note: For 2-5/8” gauges plug button into the jack on the back of the gauge.

1. To enter LED calibration mode, Press and hold LED button with gauge power off. Turn on gauge power. Release button.

2. Pointer will slowly scan clockwise from Empty condition on dial. Press button at desired low fuel warning set point. LED will blink to indicate low warning has been set. Note: Pressing button at ‘E’ empty position on dial will turn off low LED warning so that it does not light up.

To reset LED set point at any time follow this procedure again.

Setting LED brightness both day and night.

1. With gauge power on press and release LED button (LED will light up at current brightness setting).

2. Press and release LED button to change LED to desired brightness setting.

Note: 5 Settings options - off, 1, 2, 3, 4 (4 is the brightest.)

3. Do not press the button for three seconds to save the brightness setting. The LED will blink to indicate that setting has been saved.

Note: Setting the brightness setting when the gauge lighting is on, will set the night-time brightness setting. Setting the level when the gauge lighting is off will set the daytime brightness setting.

CHART 1: Common Factory Ohm Ranges

<table>
<thead>
<tr>
<th>Empty</th>
<th>Full</th>
<th>Vehicle Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ohms</td>
<td>30 ohms</td>
<td>Most pre-’65 GM</td>
</tr>
<tr>
<td>0 ohms</td>
<td>90 ohms</td>
<td>Most GM 65-presents</td>
</tr>
<tr>
<td>16 ohms</td>
<td>158 ohms</td>
<td>Most ’87-present Fords</td>
</tr>
<tr>
<td>73 ohms</td>
<td>8-12 ohms</td>
<td>Most Fords before ’87 and most Chrysler</td>
</tr>
<tr>
<td>240 ohms</td>
<td>33 ohms</td>
<td>Use with 3262 sender</td>
</tr>
<tr>
<td>10 ohms</td>
<td>70 ohms</td>
<td>Ford Bi-Metallic Gauges (pre 1987 F-Series Trucks)</td>
</tr>
<tr>
<td>15 ohms</td>
<td>160 ohms</td>
<td>Ford Magnetic Gauges (1987 and later F-Series Trucks)</td>
</tr>
</tbody>
</table>

WARRANTY - Speedhut Inc. warrants to the consumer for a period of 5 years from the date of purchase that this product will be free from defects in materials or workmanship. Speedhut warrants to the consumer for a "LIFE-TIME" that the product circuit board will be free from defects in materials or workmanship. This warranty is limited to the repair or replacement of Speedhut Inc products. Speedhut Inc is not responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Modification to the product, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Speedhut Inc disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Speedhut Inc.

Please contact Speedhut Customer Support If you have a problem with this product | support@speedhut.com | 801-221-1460 (9am - 5pm MST)