

The following are instructions for installing, wiring and programming the Veethree Front Programmable Electronic Speedometer.

**CAUTION**

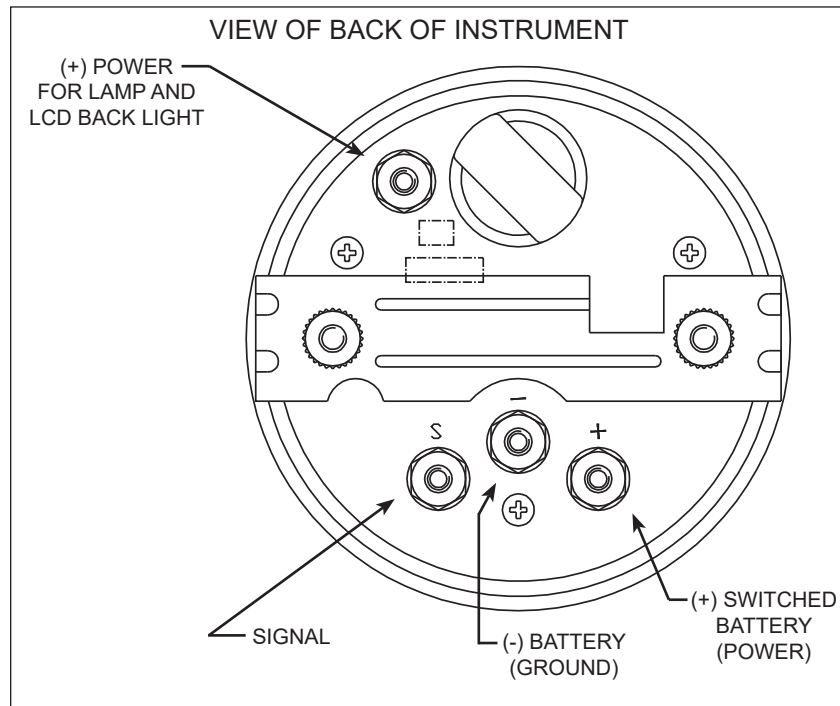
**READ THESE INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING, DO NOT DEVIATE FROM WIRING INSTRUCTIONS. INCORRECT WIRING COULD CAUSE ELECTRICAL SHORT AND POSSIBLE FIRE. ALWAYS DISCONNECT BATTERY BEFORE MAKING ANY ELECTRICAL CONNECTIONS.**

**PREPARATION FOR INSTALLATION**

- 1) Select a mounting location for gauge which provides easy readability from the operating position. Check behind mounting panel for sufficient installation clearance.
- 2) Cut 3 13/32 inch (87mm) hole for the gauge.
- 3) Insert gauge into mounting hole and check for proper fit.
- 4) Use "U" bracket over the mounting studs on back of gauge. Trim bracket length as necessary for proper mounting.
- 5) Temporarily remove gauge and bracket from panel.

**IMPORTANT**

**BEFORE PROCEEDING WITH FINAL INSTALLATION AND WIRING, SPEEDOMETER MUST BE PROGRAMMED TO OPERATE WITH YOUR EQUIPMENT. REFER TO THE CALIBRATION SECTION OF THESE INSTRUCTIONS.**



**Available Calibration Procedures -**

Three alternatives can be used to calibrate the speedometer, AUTOCAL, PULSES and ADJUST.

- (1) Auto Calibration (AUTOCAL) - Automatic calibration by driving a measured distance of 1 Mile or 1 Kilometer depending on model of speedometer.
- (2) Manual Calibration With a Known Value (PULSE) - By inputting a known Pulses Per Mile (or Kilometer) Ratio.
- (3) Manual Calibration (Fine Tuning) (ADJUST) - For calibration using a reference speed indication.

<p><b>A. Choosing the Calibration Mode</b></p> <p>Press and hold push button on front lens, switch on the ignition and start the engine. The display will alternate Autocal, Pulse and Adjust at 2 second intervals. Select function required by releasing the button when this function is displayed.</p>	<pre> AUTOCAL   ↓ PULSE   ↓ Adjust </pre>
<p><b>B. Calibration</b></p>	
<p>(1) <u>AUTOCAL</u></p>	
<p>After selecting the AUTOCL function, the display changes to “button” in 3 seconds. At the beginning of the track, push the button once. The display will now flash Start. Drive the vehicle over a measured 1 Mile track and at the end of the track push the button again. The display will now show the measured pulse per Miles ratio. This is an indication that the calibration was successful. If the display shows “F 00” at the end of the procedure, it is an indication of no speed signal. Check the speed sensor wiring and try the calibration again.</p>	<pre> button   ↓ Start   ↓ P060540 </pre>
<p>(2) <u>PULSE</u></p>	
<p>After selecting the “PULSE” function, the display will show the stored pulse per Mile (or Km) setting (Example: 060000). Press again the button, the last digit will start to flash. Start entering the pulse ratio immediately. Shortly after that digit is set, the next digit will flash and will be able to be set. This will continue until all digits have been set, at this point the display will change to the odometer or the trim meter reading.</p>	<pre> PULSE   ↓ 060000 </pre>
<p>(3) <u>ADJUST</u></p>	
<p>After selecting “ADJUST” press the button once and the word “UP” will be displayed on the LCD readout. Press it twice “DN” (for down) will be displayed. Make sure that the input signal to the terminal “S” is set at the pulse you want. When either “UP” or “DN” is showing, press the button again, and hold it in. If you hold the button in just for a short time, the pointer will move slowly upwards or downwards, depending on which mode you selected. This allows for a very accurate adjustment of the pointer. Press and hold the button and the pointer will start rising slowly. Release the button when the pointer reaches the position you want. Do nothing if the setting is accurate, the data will be saved. If you want to change the setting, repeat the procedure.</p>	<pre> Adjust   ↓ UP OR dn </pre>

USA Sales/Support  
Veethree Electronics and Marine  
2050 47th Terrace East  
Bradenton, FL 34203 USA  
Tel 941-538-7775  
Fax 941-775-1222  
techservice@veethree.com  
www.veethree.com