G.R.T.

Setting up the EIS for the Princeton Fuel Level Probe

Three entries must be set in the instrument to configure it for the Princeton fuel level probe. To access these entries, select the configuration set pages by pressing and holding the center and **RIGHT** button, for several seconds, until the bottom row on the display shows "UP DOWN NEXT".

1. Use the right button to page through the various setting to find the auxiliary scale factor setting. This may be identified as AuxSF, FuelSF, or 1SF, 2SF, 3SF or 4SF depending on the version of the EIS you have. (Your EIS user's manual will tell you tell you how your auxiliary scale factor is named.)

Set this entry to ½ of the desired full tank reading. For example, if you wish to display 100 (say, to represent 10.0 gallons) when the tank is full, set the auxiliary scale factor to 50.

2. Use the right button to select the Auxiliary Offset. It may be identified as AuxOff, FuelOff, or 1Off, 2Off, 3Off, or 4Off depending on the version of the EIS you have. Set this to zero.

3. Use the right button to select the Auxiliary Forward/Reverse page. It may be identified as Aux or Fuel (followed by Forward or Reverse), +/- (on the Model 4000/6000/9000), or it will be on the options page with early model versions of the EIS. Set this to Forward or +.

Note: The Auxiliary Offset and Auxiliary Forward/Reverse will have factory default settings of 0 and forward respectively, making changes to these setting usually unnecessary. However, it is a good idea to verify these setting just to be certain they are set correctly.

4. Press and hold, or repeatedly press the right button until the instrument leaves the configuration set pages and returns to the normal display pages. Calibration is complete.

Optional - Fine Tuning your Calibration

You may notice that your fuel level reading reaches the maximum before the fuel tank is completely filled. This happens in cases where the fuel probe is fully submerged in fuel, before the tank is filled, or in some cases when a bendable probe is used depending on the shape of the probe. If this is the case, you may perform the following step.

Carefully measure the amount of fuel in the tank at the point the fuel level reading is displayed as full on the EIS. Reset the auxiliary scale factor so that this amount of fuel is shown as the full tank reading. For example, if you find the EIS is showing a full tank when only 8.8 gallons of fuel is in your tank, and you wish to display the fuel level in tenths (88 to represent 8.8 gallons), then set the auxiliary scale factor to 44. The fuel level reading will then show 88 when the tank is filled, and will begin to drop when the fuel level in the tank falls below 8.8 gallons.