Measuring Capacitance

Prior to performing capacitance tests make sure power to the circuit is disconnected and the capacitor to be measured is discharged. Failure to fully discharge the capacitor may result in damage to the meter or personal injury. For best results the capacitor should be removed from the circuit.

1. Set the meter to the capacitance (CAP or ⊣⊧) range. Connect the red lead to the **V/Ω** input jack and the black lead to the **COM** input jack of the meter.

2. Connect the test leads to the ***fully discharged*** capacitor to be measured. If the capacitor is polarized observe the markings and connect the red lead to the "+" side of the capacitor and the black lead to the "-" side.

3. The capacitor will charge and the meter will automatically select the proper range. Wait until the measured value displayed fully stabilizes. NOTE: Large capacitors take longer to charge. Depending on the size of the capacitor it may take one minute or more to display a measurement.

   NOTE: For meters with capacitance ranges that can be manually ranged:

   Before connecting the meter to the capacitor repeatedly press the RANGE or R-H key to manually set the meter to the proper range for the capacitor being tested. This will disable auto range and increase the speed of the meter when measuring large capacitors.

   Not all meters have the ability to be manually ranged on the capacitance function.

