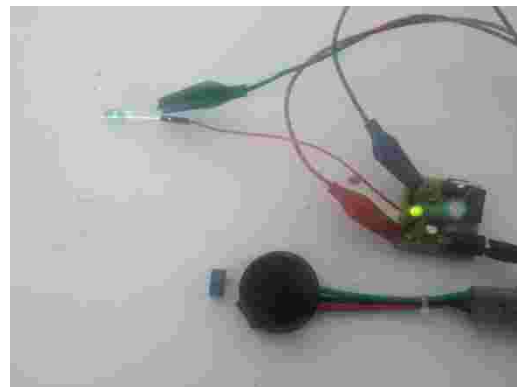
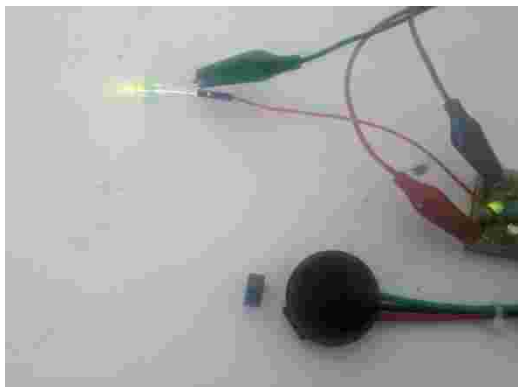


## BENCH TESTING A SPEED SENSOR

BY LARRY GAMINDE

Bench testing a Club Car speed sensor, Ok so you have done the push test on your cart for the speed sensor and it failed, you have removed it and you don't want to spend \$100.00 (\$5.00 if you fix it) without 100% proof. You will need a 4 to 24 volt dc power supply (an old wall wart or cart battery will do), an LED your choice of color and a magnet. I will use a 5 vdc power supply, the connections are as follows, The speed sensor Red + power, Black - power, Green output The led's long leg connects to + power and the short leg connects



to the speed sensors green wire, or output. Power up the circuit and the LED should light up (at least in my testing it did), Place a magnet at the opposite end of where the wires come out and the light should go out (you will use both poles of the magnet). One pole of the magnet will latch the speed sensor (LED / Meter) ON the other pole of the magnet will latch the speed sensor (LED / Meter) OFF. If higher voltages than 5 vdc are used a resistor in series with the LED is recommended, Now if you would rather use you Meter in place of the LED that works also, you would measure from the green lead + to the Black or ground wire.

In the pictures above you can see the placement of the magnet the power supply wiring and LED. The magnet was turned around for the right hand picture that's why the light is off.