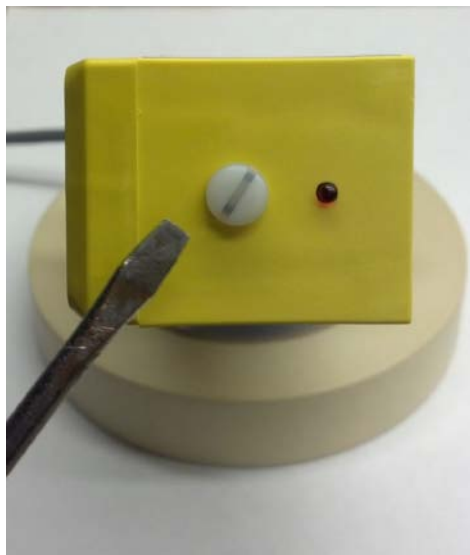


PORTA TREE TIMING SYSTEMS

Setting Maximum Sensitivity for Banner SBL1 Sensor's



With your track powered and power to your sensors remove the white protective dust cap using a flat head screw driver.



This will expose a small brass screw. This is the sensitivity adjustment potentiometer.

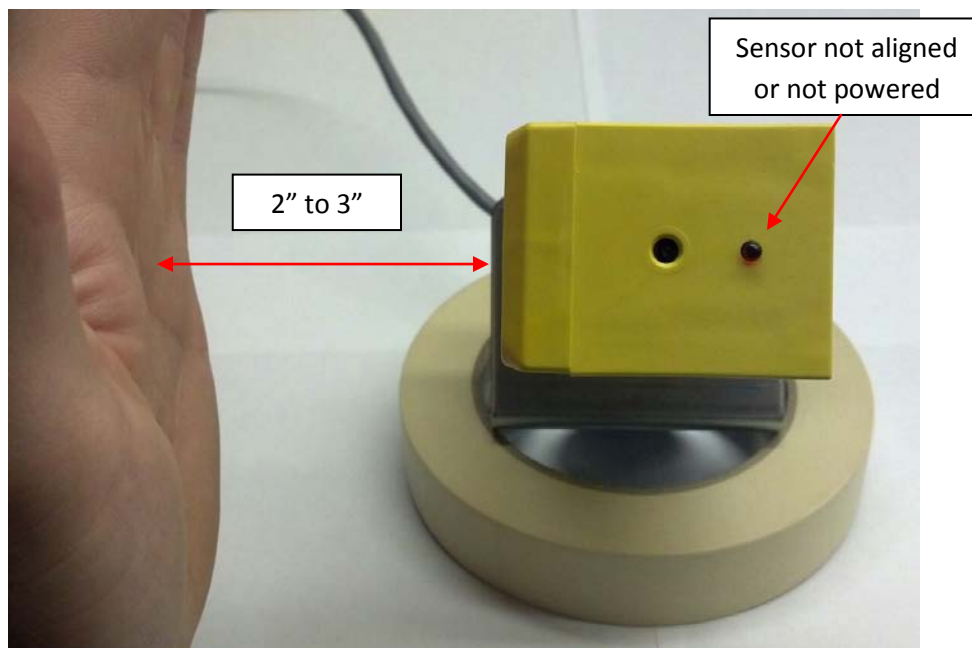
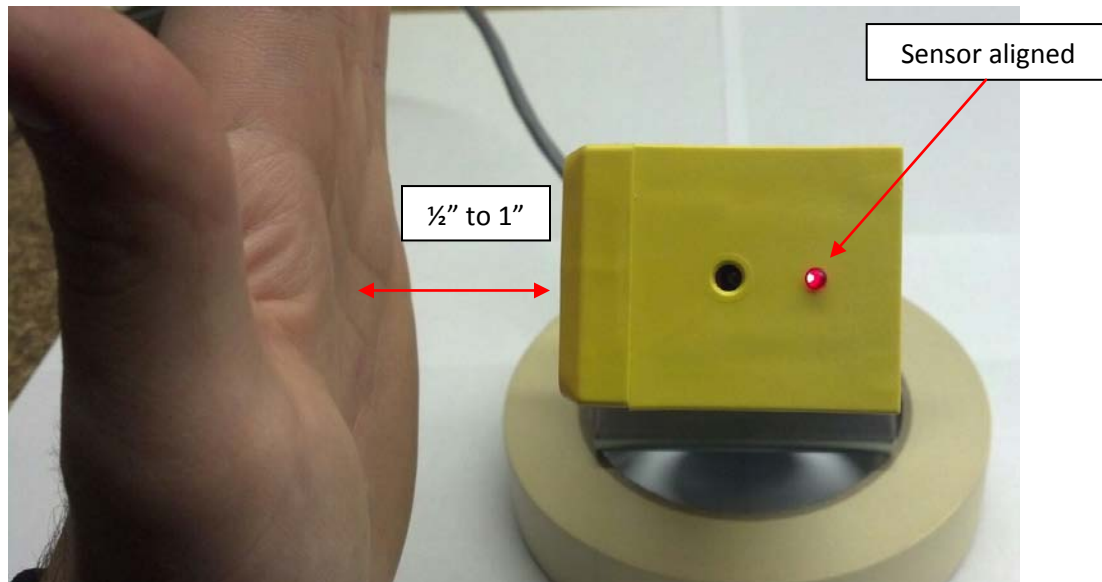


Using a small jewelers type flat head screw driver slowly adjust the sensitivity of the sensor. Turning the screw head clockwise will increase sensitivity, turning the screw head counter counter-clockwise will decrease sensitivity. Adjust the sensitivity so that when the palm of your hand is one inch away from lens the sensor is activated. The red LED will illuminate when the sensor is activated. This is the maximum amount of sensitivity that should be set and still work properly. Too much sensitivity will result in the sensor reflecting off the side of cars and not recognizing the vehicle has gone through the beam.

Now with your palm at one inch away from the lens of the sensor and sensor activated slowly back your hand away and the sensor. At a distance of 2 to 3 inches away the sensor should no longer be able to reflect off the palm of your hand. If it is still reflecting (red LED on) your sensitivity is TOO HIGH!

NOTE: When the sensor is 30 or more feet from the reflector, the red alignment light is used to indicate the strength of the alignment. The faster the Red LED flashes, the better the sensor is aligned to the reflector. Try to get the fastest flashing rate that you can achieve for the best performance possible!

DO NOT ADJUST THE SENSITIVITY TO INCREASE FLASH RATE!!!



When your sensor is set to maximum sensitivity make sure to screw back in the white protective dust cover before use to ensure water and dirt does not get inside the sensor.

NOTE:

All SBL1 sensors shipped from Portatree are already adjusted for maximum sensitivity. You should never have to adjust sensor sensitivity!!