

INSTALLATION INSTRUCTIONS

ENGINE & WHEEL SPEED RPM SENSOR

(Magnets and Cable)

FOR USE WITH ULTRA-LITE PRO SYSTEM



This Engine RPM Sensor is designed to work with a crank trigger type wheel.

The two magnets supplied in this kit need to be evenly spaced 180° apart from each other (see figure 1). For lower RPM readings, four magnets can be used. If four magnets are used, evenly space them 90° apart from each other. After marking where the magnets need to be mounted, drill a $\frac{15}{64}$ " hole through the wheel. Then enlarge the hole from the front with a $\frac{17}{64}$ " bit to a depth of .215". Fill the hole with a high strength, 2-part, 5 minute epoxy and insert the magnet. Make sure edge of magnet is flush with the surface of the wheel (figure 3).

The bracket for the sensor should be constructed of a minimum of $\frac{3}{16}$ " aluminum or $\frac{1}{8}$ " steel for maximum rigidity. The hole for the sensor needs to be $\frac{3}{8}$ " diameter. With sensor installed in the hole, adjust the sensor to a distance of .100" to .250" from the crank wheel. Lock the sensor in place with one lock nut on each side of the bracket (figure 2).

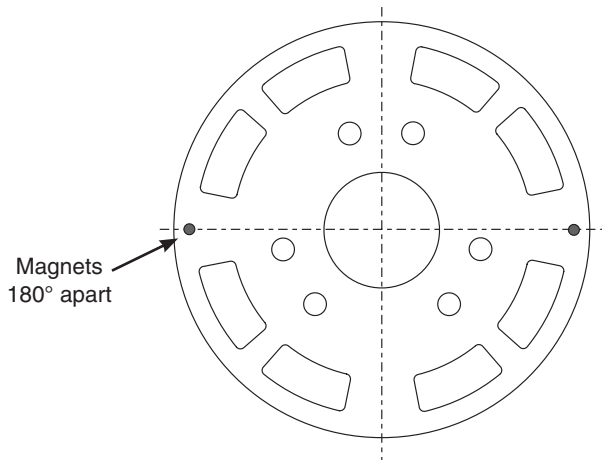


Figure 1
Front of wheel

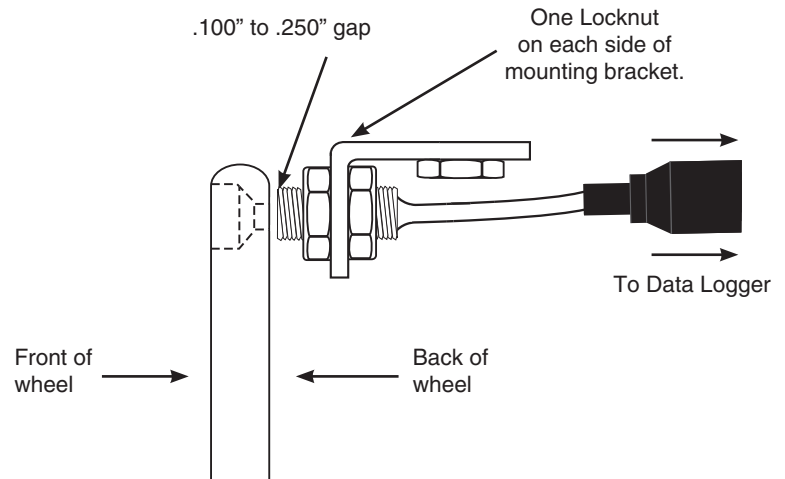
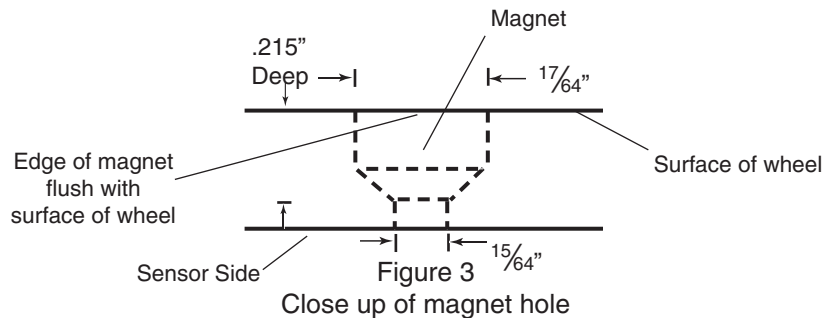


Figure 2
View from end of wheel
(Not drawn to scale)



SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. Please specify when you need the product back. If you need it back immediately mark the outside of the box "RUSH REPAIR," and Auto Meter will service product within two days after receiving it. (\$10.00 charge will be added to the cost of "RUSH REPAIR.") If you are sending product back for Warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.