

# ENDURANCE II



## Setting Menu:

To enter Endurance II set up menu, press and hold buttons 1, 2, & 3 for three seconds. Make sure to press and hold all 3 buttons at the same time!

## Button Overview:

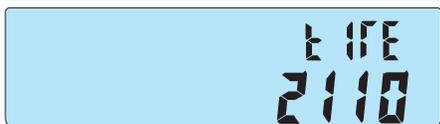
Button 1: Increment (Up)  
 Button 2: Decrement (Down)  
 Button 3: Next Setting

## Set Distance:



Select desired unit setting using button 1 or 2. (KM/H or MH)

## Set Tire Size:



Choose your tire size using button 1 or 2. **Note:** To determine proper tire size see: "Taking Wheel Measurement" section on back page.

## Set Clock Format:



Select desired clock format using button 1 or 2. (12HR or 24HR)

## Set Time Of Day:



Set your clock to desired time of day using button 1 or 2.

## Select Maintenance Reminder Method:



Select desired maintenance method using button 1 or 2.  
 ODO = Odometer, based off mileage.  
 ART = Accumulated Ride Time, based off hours.

## Select Maintenance Reminder Interval:



Set your maintenance value to desired time or mileage duration. **Note:** This value will represent either accumulated hours until maintenance or accumulated mileage until maintenance, based off previous menu selection (ART or ODO.)

## Quick Resets:

### Screen 1: DST

- Press and hold buttons 1 & 2 for three seconds to reset DST.
- Press and hold button 3 to enter DST adjustment. Use buttons 1 & 2 to increment and decrement your DST. Press button 3 to return to main screen.

### Screen 2: DST2

- Press and hold buttons 1 & 2 for three seconds to reset DST2, Ride Time, & AVG Speed.
- Press and hold button 3 to enter DST2 adjustment. Use buttons 1 & 2 to increment and decrement your DST2. Press button 3 to return to main screen.

### Screen 3: ODO

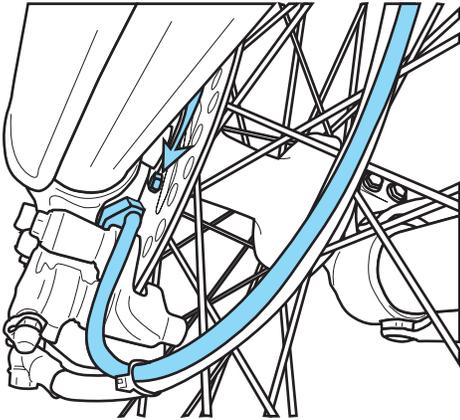
- Press and hold buttons 1 & 2 to reset Max Speed.
- To view time remaining until service maintenance interval icon is activated press and hold Button 3 for three seconds.
- When the maintenance icon is illuminated, press and hold button 3 for three seconds to enter maintenance interval screen and then to reset maintenance interval press and hold button 1 & 2 for three seconds.

## Notes:

1. Wakes on external power from bike.
2. Wakes on wheel movement.
3. Wakes on button press.
4. On external power backlight shuts off after 90 seconds of inactivity.
5. After 180 seconds of inactivity only clock will be displayed.

# ENDURANCE II

## Motorcycle Sensor/Magnet Installation



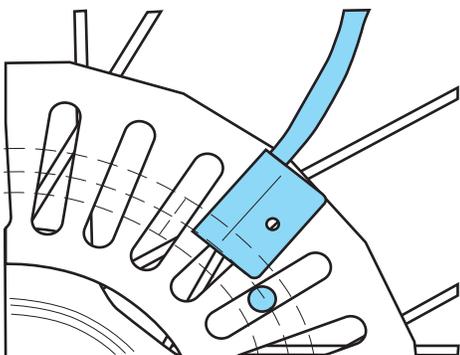
### Magnet About to Pass Under Sensor

Motorcycles & ATV's require a magnet placed on a rotating surface such as the front or rear wheel and a sensor opposite the magnet to create a wheel sensor pick up.

Magnets are offered in a variety of options such as a magnetic replacement rotor bolt, or a small neodymium magnet you can adhere to a rotating surface.

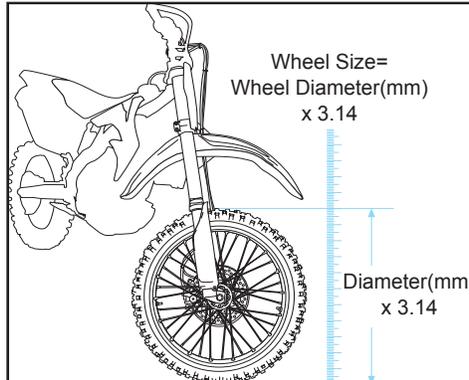
The wheel sensor is best installed allowing the wheel sensor lead to route along side the front or rear brake lines to prevent damage during riding as well as a clean wire routing installation.

Most motorcycles & ATV's require a model specific wheel sensor and magnet application. Refer to provided installation sheet insert for properly installing your wheel sensor and magnet.



Optimum Magnet Rotation Path

## Method 1: Ruler Measurement Method



### Taking Wheel Measurement

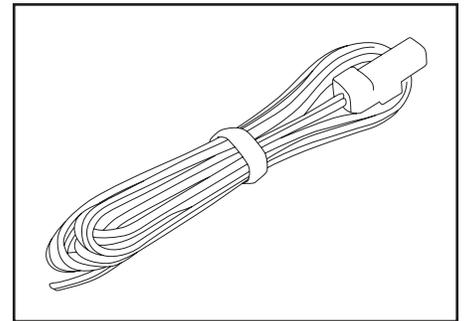
Find the diameter of the wheel being used during installation in millimeters. Take the diameter and multiple it by 3.14 to identify the wheels rolling circumference. The diameter in millimeters is the value you will use as your tire size. Enter this number during your initial set up.

Note: Although any rotating surface can be used to measure wheel speed the front wheel is the easiest method of installation. If you measured the diameter of your wheel in inches, first multiply your diameter by 25.4 to convert it into millimeters. Once converted follow the instructions outlined in the previous section to complete this process.

## Method 2: Rolling Measurement

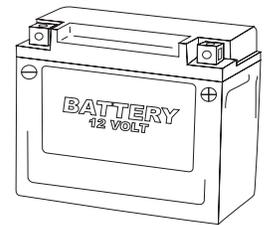
On a flat surface, mark the tire sidewall and the ground with a marker or piece of chalk. Roll the wheel until the mark on the tire has made one 360 degree rotation and is lined up to the ground. Mark this location on the ground lining up to the mark on the tire sidewall. Measure the distance between the two marks made on the ground. If this measurement is in inches multiply your measurement by 25.4 to convert it into Millimeters. If your measurement is in millimeters discard this conversion process. The measurement taken in the rolling circumference of your wheel and will be used as your tire size during initial set up mode of you computer.

## Power Wire Installation



Power Wire

Wired to Vehicle Battery: Connect the power wire to the vehicle battery and to



Endurance II. A 0.5A fuse (not provided) should be used between the power cable and positive battery terminal when connecting directly to a battery.

Endurance II is polarity independent, so it cannot be installed backwards. Use zip-ties to secure the cable to the bike as it is routed to Endurance II.

System Tap: The possible points to tap into the vehicle electrical system are at the lights, ignition, or CDI. When tapping into the electrical system, connect to a circuit protected by fuse. It is best to connect so power is not interrupted by key switch.

MX Bikes: Motocross bikes do not have 12 volt power. For connection to an MX bike, connect power leads to ignition power leads from stator. Use caution, as this is a high voltage option.

Endurance II will operate in the range of 9.0-55VDC/9.0-400VAC, but will not draw enough power to drain a vehicle battery.