



## Installation Guide

GPS Speedometer Sending Unit  
Programmable with High Speed Recall  
Part Number: S9020



Please note that due to continuing improvements, the actual product may differ slightly from the photos.

### Your Kit Contains

- (1) S9020 GPS speedometer sending unit with antenna



### Wiring Instructions

Notes:



- 1) **Please be sure** to read our 'Before You Begin' page before proceeding – it contains important information about your installation.
- 2) This unit's antenna **MUST** have a clear view of the sky for proper GPS signal reception.

Connections are as follows:

- **Black Wire – Ground**  
Connecting this wire to the engine block.
- **Red Wire – Power**  
Connect to a switched +12V source, such as the ignition. Line should have power when key is 'on' or in the 'accessory' position.
- **Speedometer**  
There are three different pulse-per-mile (PPM) wires on the sender, each designated by specific color. To match this sender to the PPM your speedometer expects, connect the proper wire to your speedometer as follows:

GPS Sender Wire Color	Pulses-Per-Mile (PPM)
Blue	16,000
White	8,000
Orange	4,000



If you are using an Intellitronix gauge/dash, you will connect the **White Wire** from the sender to the **White Wire** on the gauge/dash.

## Operation



The first time the unit is turned on it may take up to a few minutes to detect its location and begin communicating with the speedometer circuit.

- **Status LED**

- **Flashing** - the unit is **NOT** receiving any GPS data from the satellites.
- **Steady** - the unit is receiving GPS data from the satellites.

- **Momentary Switch (gray wires with attached pushbutton)**

Press the button to have the speedometer display the highest speed recorded since the current startup.