



Genuine Parts

PRECAUTIONS:

- ❑ Read ALL instructions before installing instrument.
- ❑ Follow ALL safety precautions. When working on vehicle-wear safety glasses!
- ❑ ALWAYS disconnect (-) negative battery cable before making electrical connections.

HELP?:

- ❑ If after reading these instructions you don't fully understand how to install your instrument(s), contact your local Stewart Warner distributor, or contact our Technical Support Team toll free at **1-800-676-1837**.
- ❑ Additional applications information may be found at www.stewartwarner.com.

GENERAL APPLICATION:

- ❑ 12-volt DC negative (-) ground electrical systems (11-20 VDC operating voltage range.)

Installation Instructions
GPS SPEEDOMETER RECEIVER

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RECEIVER MOUNTING:

- ❑ Receiver can be mounted under dash. Confirm the receiver is working properly before final installation.
- ❑ Secure receiver with supplied mounting hardware or double sided tape.

RECEIVER WIRING (Figure 1):

1. Disconnect negative (-) battery cable.
2. Connect the (RED) wire to the (POS) terminal of the SW speedometer or to +12VDC switched power.
3. Connect the (BLACK) wire to the (GND) terminal of the SW speedometer or to the vehicle ground/(-) battery terminal.
4. Connect the (WHITE) wire to the (SIG) terminal of the SW speedometer or to signal terminal of other manufacturer's speedometer.
5. Connect the (GREEN) wire to either the (GND) or (POS) terminal of the SW speedometer as described in the CALIBRATION section. SW speedometers are preset to 8,000 PPM from the factory. If connecting to a factory calibrated speedometer, connect the (GREEN) wire to (GND) and no further calibration will be necessary.

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TROUBLESHOOTING:

Q: My speedometer does not respond at all, what do I do?

A: Check all of the wiring connections and power to the speedometer and GPS receiver.

1. Verify wiring connections are correct according to the receiver wiring section and to the speedometer installation instructions.

A: Confirm the GPS receiver is getting a signal.*

1. Move the receiver to an open area and confirm the speedometer is working properly.

Q: My speedometer does not read correctly, what do I do?

A: check the (GREEN) wire and speedometer calibration.

1. Verify proper connection of the (GREEN) wire according to the calibration section.
2. If the (GREEN) wire is connected according to the calibration section, recalibrate the speedometer to either 8,000 or 16,000 pulses according to the (GREEN) wire connection and the speedometer manufacturer's instructions.

* Acquisition of GPS satellites is necessary for proper function of the receiver. It may take up to 3 minutes for initial satellite acquisition after power is turned on. Before acquisition, or when the GPS satellite view is obstructed (tall buildings, tunnels, etc.) no speed signal will be sent to the speedometer.

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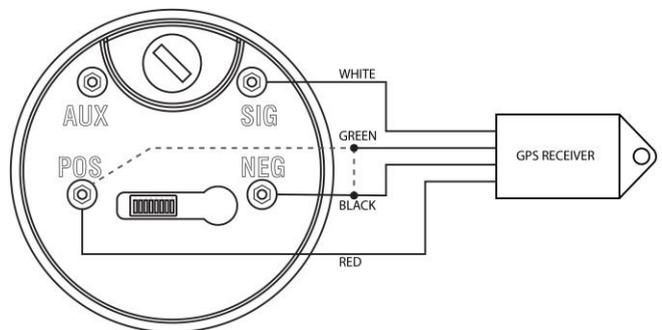
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CALIBRATION:

The SW GPS receiver is designed to produce 8,000 or 16,000 pulses per mile (PPM.) Stewart Warner speedometers are factory calibrated to 8,000 PPM. **If the speedometer is not already calibrated to one of these settings, or if after connection it does not read accurately, with GPS sender connected to either setting, recalibration of the speedometer according to manufacturer's instructions will be necessary.**

- ❑ For 8,000 PPM, connect the (GREEN) wire to the (GND) terminal or to the vehicle ground/(-) battery terminal.
- ❑ For 16,000 PPM, connect the (GREEN) wire to the (POS) terminal or to +12VDC switched power.

Figure 1



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WARRANTY INFORMATION:

TWO (2) YEAR LIMITED WARRANTY. Stewart Warner products are warranted against defects in workmanship and materials for a period of two (2) years from the date of purchase. Proof-of-purchase is required; otherwise, the warranty period shall default to two (2) years from date-of-manufacture (as indicated by the date code on the product). See detailed Warranty Policy for other Terms & Conditions.

STEWART WARNER

1-800-676-1837

www.stewartwarner.com

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