



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](http://www.stewartwarner.com).

**GENERAL APPLICATION:**

- ❑ Replaces flexible shaft and converts the rotary motion of the take-off into a signal which an electric tachometer can use to display the engine RPM in place of a mechanical tachometer.

**Installation Instructions**  
2 Wire Pulse Generator

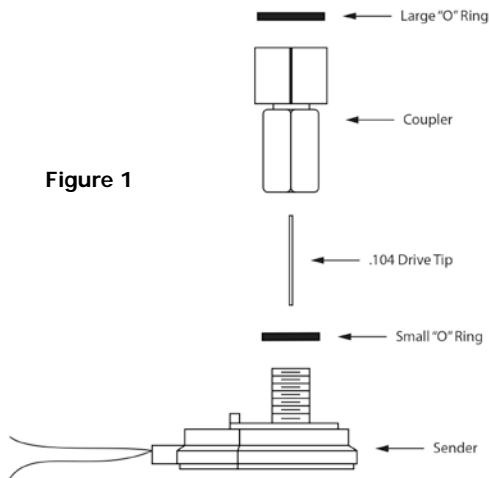
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**SENDER COMPONENTS (Figure 1):**

- ❑ Sender
- ❑ Small "O" ring
- ❑ .104 drive tip
- ❑ Coupler
- ❑ Large "O" ring

Figure 1



3

**SENDER INSTALLATION (Figure 1):**

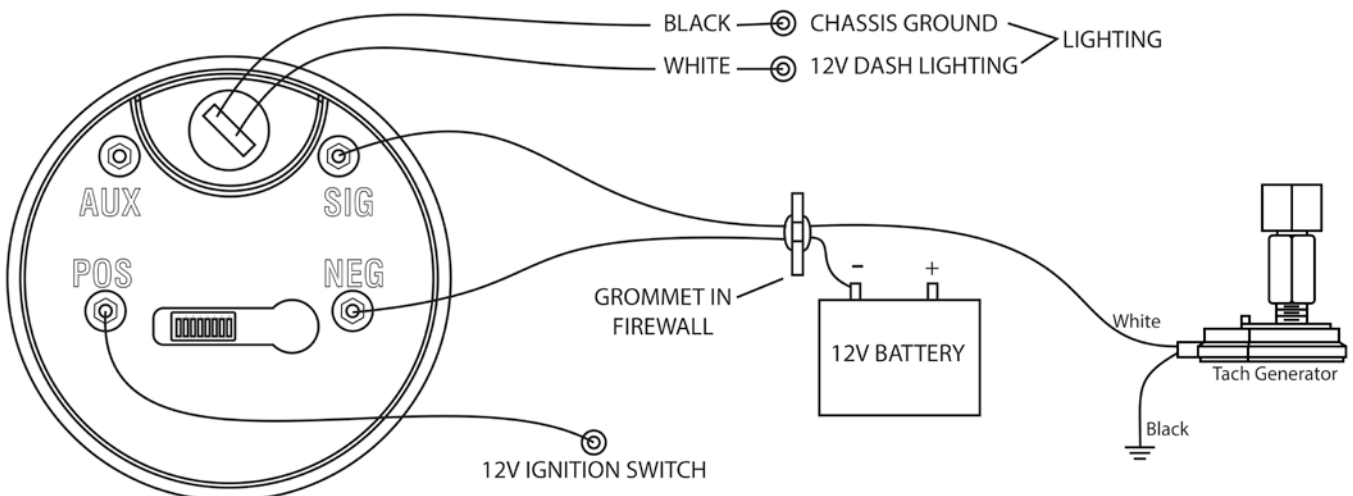
1. Install small "O" ring onto end of sender until flush against shoulder.
2. Thread small end of coupler onto sender and tighten.
3. Insert large "O" ring into open end of coupler.
4. Insert .104" drive tip (square end if using drive tang, sold separately) through the coupler and into opening of sender.
5. Thread sender onto mechanical tachometer take-off making certain that the end of drive tip/tang properly fits into the opening of the take-off, then tighten large end of coupler.

**NOTE:** Replacement and alternate drive tips available:

- No. 82625 - .187" drive tang
- No. 82626 - .152" drive tang
- No. 82629 - .104" square tip

4

Figure 2



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**SENDER WIRING (Figure 2):**

1. Disconnect negative (-) battery cable.
2. Using 18-ga. wire, connect the **(BLACK)** sender wire to the tachometer **(NEG)** terminal or to a clean (rust/paint-free) ground.
3. Using 18-ga. wire, connect the **(WHITE)** sender wire to the tachometer **(SIG)** terminal.
4. Reconnect the negative (-) battery cable & test instrument to ensure that it is working.

**TROUBLESHOOTING:**

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

**A:** Check all of the wiring connections and power to the tachometer.

1. If the tachometer needle goes to zero when powered up, but does not respond when the engine is started, there is no signal to the **(SIG)** terminal. Check to ensure that the terminal is wired to the proper location for a valid signal.
2. If the tachometer needle does not go to zero when powered up, the tachometer is not grounded properly or does not have power to the **(POS)** terminal. Check to ensure a good chassis ground, preferably at the battery negative. Verify that the **(POS)** terminal has a 12VDC supply.

**Q:** My tachometer returns to zero when powered, but does not show a reading when the engine is running?

**A:** First, confirm sender is wired properly according to the Sender Wiring section.

1. If the sender appears to be wired correctly, make sure there is no breaks or shorts in the wiring and the ground to the sender is a clean (rust/paint-free) ground.
2. Confirm tachometer calibration settings.

**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