



Genuine Parts

434917
Rev 2: 2/14/19

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:

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

Installation Instructions
3 Wire Pulse Generator

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SENDER COMPONENTS (Figure 1):

- ❑ Sender
- ❑ Small "O" ring
- ❑ .187 drive tang
- ❑ Coupler
- ❑ Large "O" ring

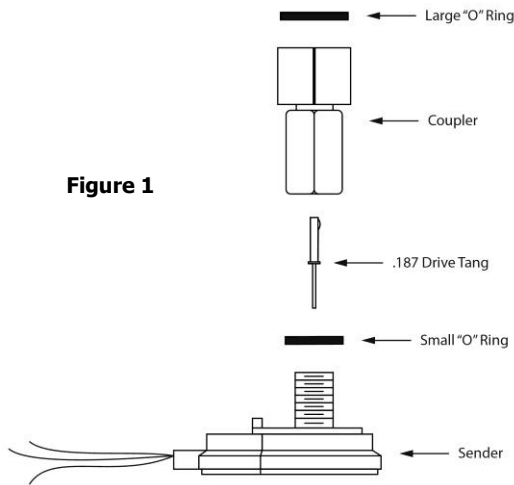


Figure 1

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SENDER INSTALLATION (Figure 1):

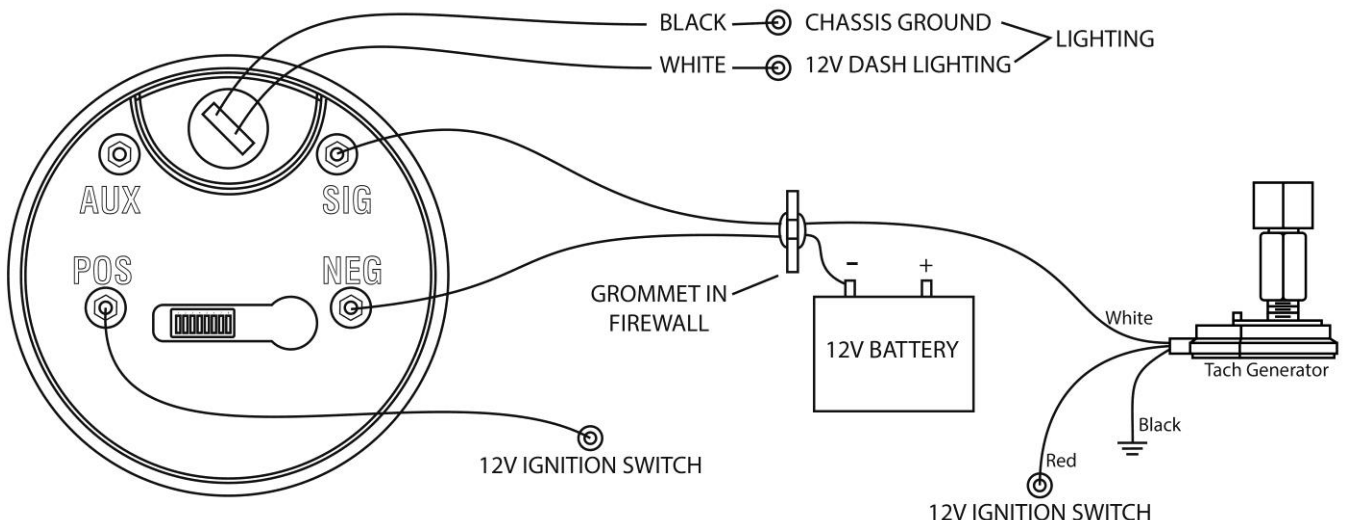
1. Install small "O" ring onto end of sender until flush against shoulder.
2. Thread small end of coupler onto sender and tighten.
3. Insert large "O" ring into open end of coupler.
4. Insert the square end of the .187" drive tang through the coupler and into opening of sender.
5. Thread sender onto mechanical tachometer/speedometer 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

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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 instrument (**NEG**) terminal or to a clean (rust/paint-free) ground.
3. Using 18-ga. wire, connect the (**RED**) sender wire to the instrument (**POS**) terminal or to a switched +12V source, like the ignition wire.
4. Using 18-ga. wire, connect the (**WHITE**) sender wire to the instrument (**SIG**) terminal.
5. Reconnect the negative (-) battery cable & test instrument to ensure that it is working.

TROUBLESHOOTING:

- Q:** My instrument does not respond at all, what do I do?
A: Check all of the wiring connections and power to the instrument.
1. If the instrument needle goes to zero when powered up, but does not respond when it should, 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 instrument needle does not go to zero when powered up, the instrument 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 instrument returns to zero when powered, but does not show a reading?
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 instrument 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
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