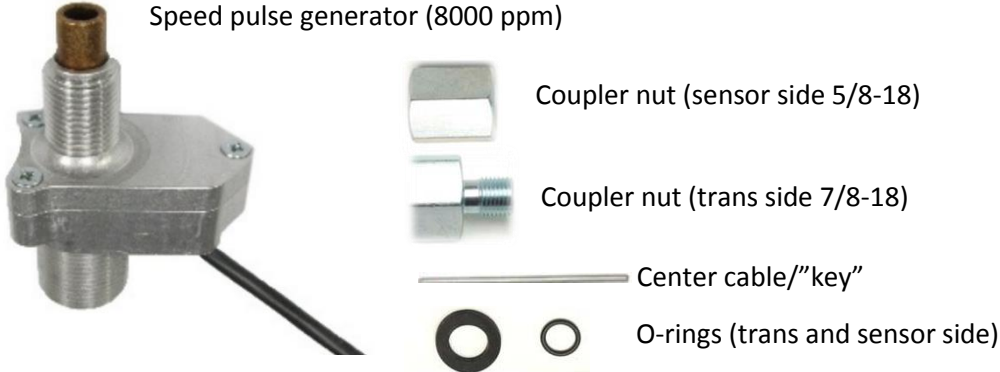




SEN-01-4280

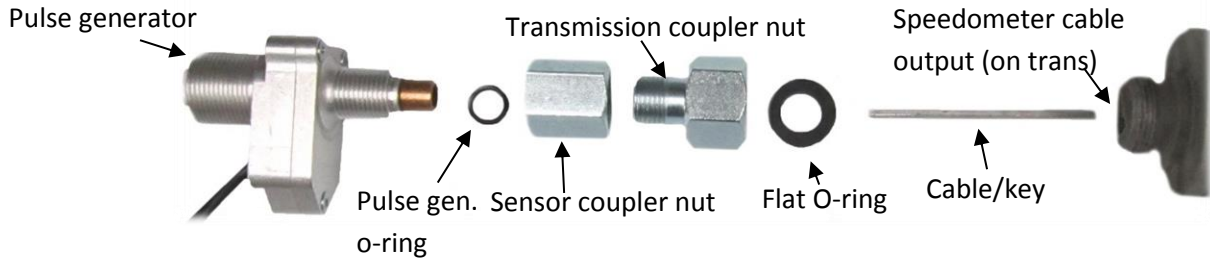
GM Transmission Sender Package

This kit includes:



Installing the sensor to the transmission:

- Remove old speedometer cable
- Insert new cable/key into the transmission speedometer gear where the cable was just removed
- Place the larger flat o-ring into the transmission side coupler nut and seat it flat at the bottom
- Tighten the transmission side coupler nut onto the transmission
- Place the smaller o-ring onto the pulse generator over the brass tip flat with the threads
- To complete, the sensor coupler nut will thread onto the transmission coupler nut and the pulse generator. The sensor coupler nut has left hand threads so just start those on to the transmission coupler and then start the speed sensor on the other side, spin the nut and tighten both the pulse generator and the coupler nut.



"Exploded" view of sensor install

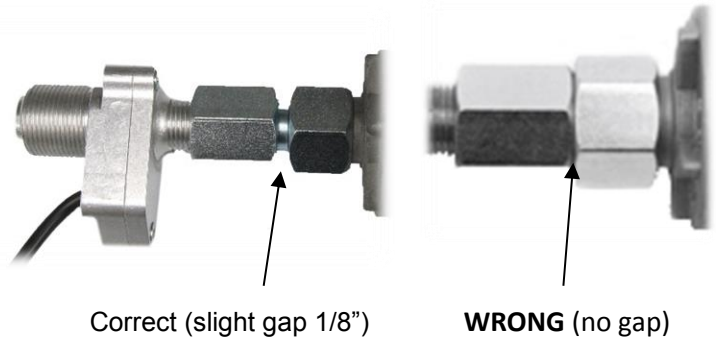
Note: O-rings are to keep physical connections tight, not contain trans fluid.



Properly installed o-rings

NOTE: If transmission fluid is leaking from the speedo gear seal. There is an internal seal in the transmission speedometer output that should prevent leaks even with the cable removed, so check this seal if leaks occur.

The completed sensor install should look like the photo at the right, with about an 1/8" gap. If there is no gap between the sensor coupler nut and the transmission coupler nut, the sensor coupler nut was installed too far before starting the sensor. Re-install the sensor coupler nut and sensor until you can tighten them up and get approximately 1/8" – 3/16" gap.



Wiring

The sensor will generate an AC voltage that's frequency and voltage level will vary with the drive speed.

Wiring	
Color	Function
Red	DC supply power
Black	Ground
Green	Speed signal

Sensor Specifications	
Supply Voltage Range	5-15V
Current draw	≈7mA

Testing Make sure red wire has 5-15V power and the black wire has ground. Attach one end of the meter to the green wire and the other end to the red power wire. Begin testing by removing the sensor and drive key/cable from the trans. Attach the cable to a drill and use a drill to spin the pulse generator, simulating what the trans is doing. As the RPM of the drill increases so should the voltage on the voltmeter. The meter should show 0V ac when the sensor is not turning and 2-8V ac when the sensor is turning.

SERVICE AND REPAIR

DAKOTA DIGITAL offers complete service and repair of its product line. In addition, technical consultation is available to help you work through any questions or problems you may be having installing one of our products. Please read through the Troubleshooting Guide. There, you will find the solution to most problems.

Should you ever need to send the unit back for repairs, please call our technical support line, (605) 332-6513, to request a Return Merchandise Authorization number. Package the product in a good quality box along with plenty of packing material. Ship the product by UPS or insured Parcel Post. Be sure to include the RMA number on the package, and include a complete description of the problem with RMA number, your full name and address (street address preferred), and a telephone number where you can be reached during the day. Any returns for warranty work must include a copy of the dated sales receipt from your place of purchase. Send no money. We will bill you after repair.

Dakota Digital 24 Month Warranty

DAKOTA DIGITAL warrants to the ORIGINAL PURCHASER of this product that should it, under normal use and condition, be proven defective in material or workmanship within 24 MONTHS FROM THE DATE OF PURCHASE, such defect(s) will be repaired or replaced at Dakota Digital's option. This warranty does not cover nor extend to damage to the vehicle's systems, and does not cover removal or reinstallation of the product. This Warranty does not apply to any product or part thereof which in the opinion of the Company has been damaged through alteration, improper installation, mishandling, misuse, neglect, or accident.

This Warranty is in lieu of all other expressed warranties or liabilities. Any implied warranties, including any implied warranty of merchantability, shall be limited to the duration of this written warranty. Any action for breach of any warranty hereunder, including any implied warranty of merchantability, must be brought within a period of 24 months from date of original purchase. No person or representative is authorized to assume, for Dakota Digital, any liability other than expressed herein in connection with the sale of this product.

⚠️ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



4510 W. 61st St. North
 Sioux Falls, SD 57107
 www.dakotadigital.com
 dakotasupport@dakotadigital.com

Phone (605) 332-6513
 Fax (605) 339-4106

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