

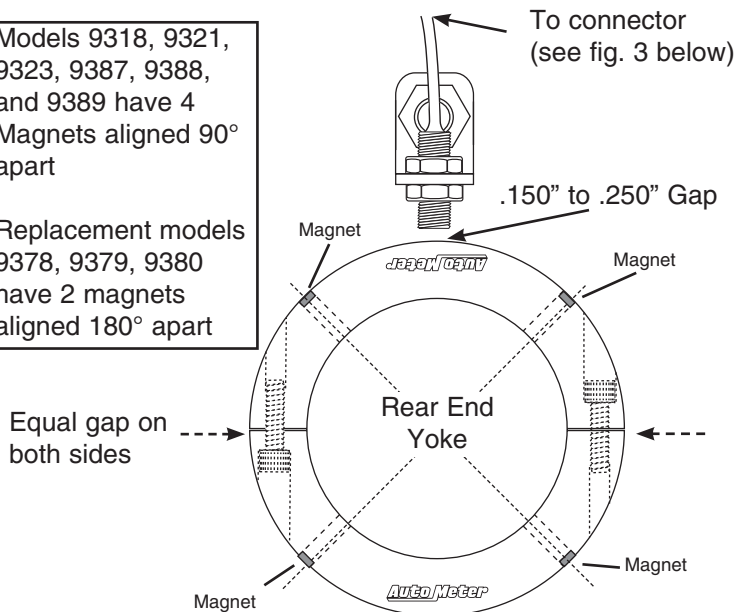
**Installation of RPM Sensor and collar:**

- 1) Determine the correct diameter drive shaft collar for rear end yoke:  

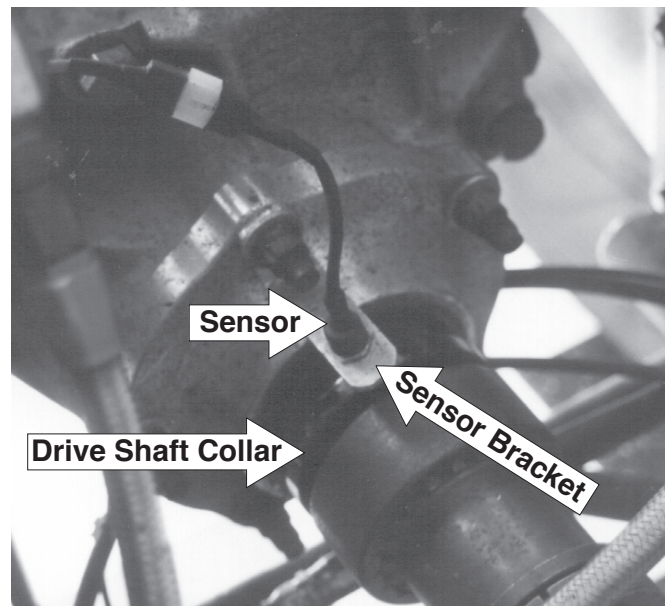
REAR-END TYPE	Standard Shaft Collar Sizes
Standard Ford 9"	1.875" I.D. (Model 9318)
Large Ford 9"	2.187" I.D. (Model 9321)
Universal	1.40" I.D. (Model 9323) *See back for mounting instructions.
- 2) Install drive shaft collar on rear end yoke. Align magnets on collar halves 90 degrees apart, opposite each other (Figure 1).
- 3) Tighten screws on the collar for a snug fit while keeping an even gap between both halves of the collar.
- 4) Rotate the yoke several times to ensure the straightness (minimize runout) of the collar. Adjust as needed.
- 5) Install RPM sensor bracket to the center section (on a Ford 9") or fabricate a bracket which will locate and center the sensor over the collar (Figure 2).
- 6) Insert RPM sensor in the bracket with one lock nut on each side of the bracket. Adjust the lock nuts to allow a gap between sensor and collar of .150 to .250.
- 7) Rotate the shaft slowly to assure there is no contact with the sensor at any point on the collar.
- 8) Once the sensor and the collar are securely fastened install the connector on the sensor cable (Figure 3).

Models 9318, 9321, 9323, 9387, 9388, and 9389 have 4 Magnets aligned 90° apart

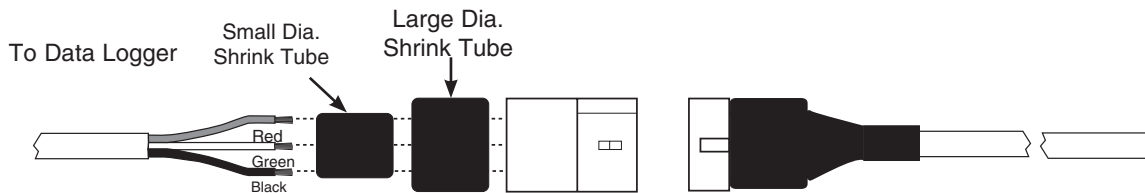
Replacement models 9378, 9379, 9380 have 2 magnets aligned 180° apart



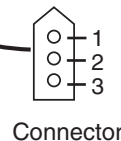
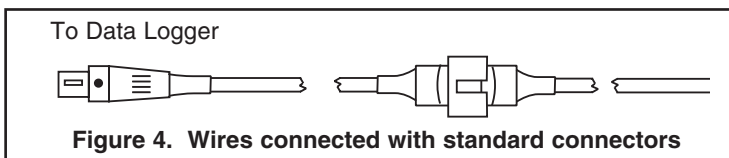
**Figure 1. Drive Shaft RPM Sensor and Collar Installation**



**Figure 2. Complete RPM Sensor Installation**  
NOTE: Cable and RPM sensor comes prewired.



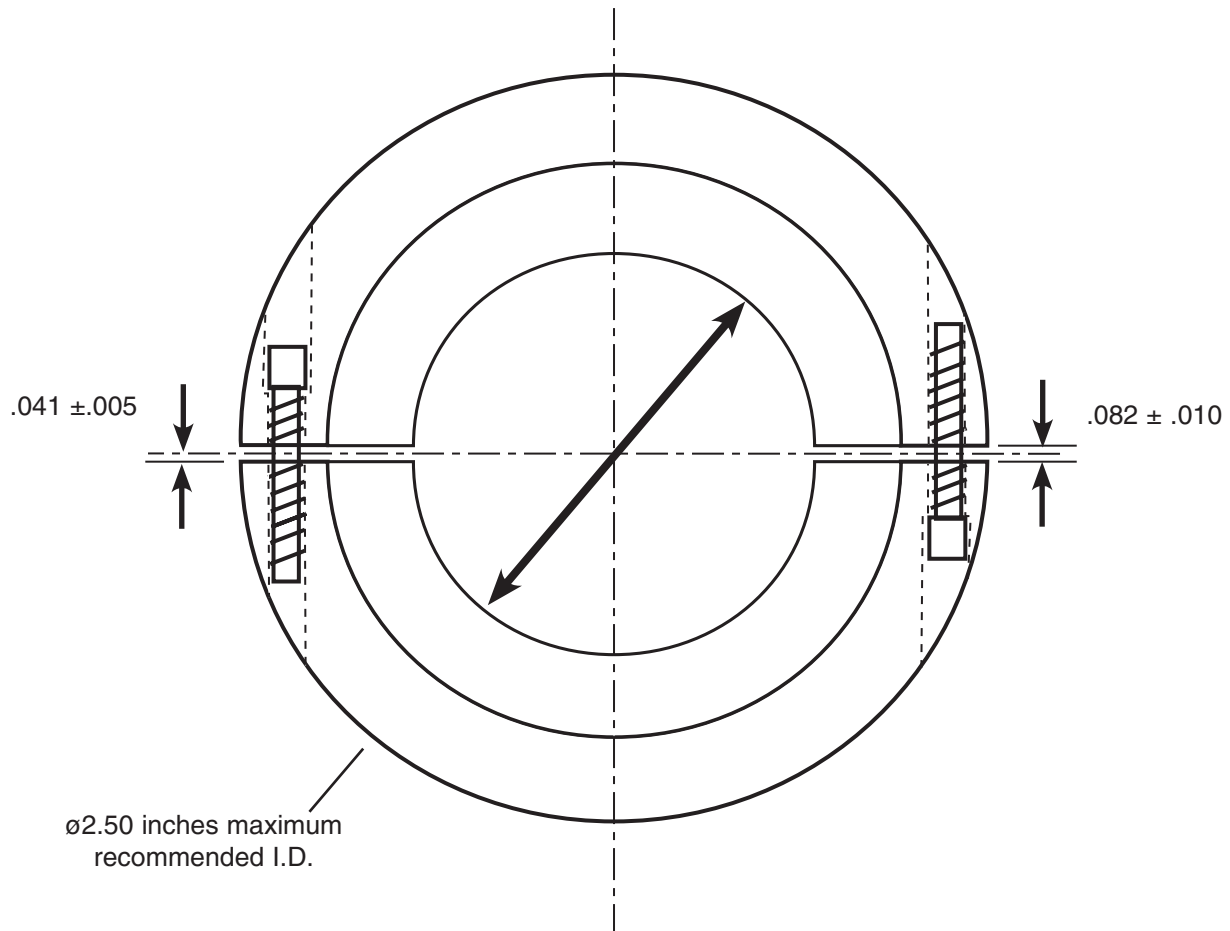
**Figure 3. Connecting the Connector to the Sensor Cable**



## Machining instructions for Model 9323:

If you have chosen to perform the machining process yourself please follow these instructions.

- 1) The collar halves are designed to provide a "pinch type" fit. Each half is rough machined at  $.041 (\pm .005)$  off center. This means the collar must be shimmed  $.082 (\pm .010)$  in order to maintain the designed pinch.
- 2) Place shims at each end and tighten the screws.
- 3) Place the collar in the mill or lathe and machine the I.D. to the desired size for your application. (The maximum recommended is 2.50 inches)
- 4) Remove from the mill or lathe.
- 5) Remove the screws and shims.
- 6) Install following the installation instructions on the front page.



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### SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. Please specify when you need the product back. If you need it back immediately mark the outside of the box "RUSH REPAIR," and Auto Meter will service product within two days after receiving it. (\$10.00 charge will be added to the cost of "RUSH REPAIR.") If you are sending product back for Warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.

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### 12 MONTH LIMITED WARRANTY

Auto Meter Products, Inc. warrants to the consumer that all Auto Meter High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Auto Meter's option to the consumer, when it is determined by Auto Meter Products, Inc. that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the Auto Meter instruments. In no event shall this warranty exceed the original purchase price of the Auto Meter instruments nor shall Auto Meter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Warranty claims to Auto Meter must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Auto Meter Products, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Auto Meter.

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