

# INSTALLATION - SERVICE INSTRUCTIONS



Bulletin NO. 0085  
PAGE 1 OF 1

**August**  
**2004**

[www.markwilliamks.com](http://www.markwilliamks.com)

## Part Numbers:

- 39005 .....MW Powerglide Transmission Yoke
- 39035 .....Hardened Transmission yoke
- 39105 .....Powerglide Rapid Release Yoke
- 40800 .....MW Powerglide Coupler 3-7/8" Long
- 40805 .....MW Powerglide w/ dedenbear housing 3-7/8" long
- 40810 .....MW Powerglide Coupler 6-3/4" Long
- 40820 .....MW Powerglide Coupler 8" Long
- 40830 .....MW Quick Disconnect w/ 4" Gap
- 40840 .....MW Quick Disconnect w/ 4-6" Gap
- 40850 .....MW Quick Disconnect Dedenbear housing

## Technical Information for POWERGLIDE and Turbo 350 Splines Data

We are experiencing compatibility problems with our Transmission Yokes and Couplers for the Powerglide and T350, with aftermarket transmission output shafts.

To help eliminate this problem we have calculated the male spline values for a normal slip fit. The mating shaft is expected to be:

- Fillet Root Side Fit Involute Spline
- 27 Tooth
- 24/48 Pitch
- 30 Degree Pressure Angle
- Fit 1.255" to 1.257" with .080" diameter Pins
- Major Diameter 1.180

This is assuming accurate tooth indexing. If the shaft has an indexing deviation, the over wire values would have to be smaller to maintain the effective space width.

The spline length in our transmission yokes is 4-1/4" long. Aftermarket produced output shafts must have 4-1/4" of full spline or must be undercut to 1.090" diameter at the end of the spline to clear the slip yoke travel.

We hope this information will solve the difficulties we are experiencing from customers feed back.