



## ***GLIDE ULTRA SEAL SYSTEM***

### **Installation Instructions**

#### **Procedures before installing**

1. Measure from the bulkhead up the shaft approximately 6.5" - 7.0". This is the standard running location for the new seal. If this area needs to be in good condition and show no signs of previous wear. If the location is not preferred then, slightly trim one (or both) ends of the black hose to help relocate the seal position to a good part of the shaft.
2. Before removing the coupler from the transmission, loosen the stuffing box and slide it forward off the shaft log / bulkhead. Visually inspect the current concentricity of the shaft to the shaft log. If it does not appear to be concentric, this will need to be adjusted before the final installation of the GLIDE Ultra Seal System. Failure to do so will result in shortened seal life and potentially void any warranty.
3. Remove coupler from Transmission
4. Remove old stuffing box system
5. Inspect shaft and make sure the running surface is clean and smooth. If necessary to clean shaft use a fine grit sand paper or emery cloth around the shaft. DO NOT SAND SHAFT IN A FORE/AFT DIRECTION. If the shaft shows excessive wear or "dishing" make sure the new seal location is not on the worn surface (*see item #1*).
6. **Make sure the end of the shaft is chamfered, all keyways and countersinks are free of burrs and all have beveled / rounded edges.**
7. Adjust seal running location by trimming the silicone hose so that the seal running surface is on a clean unworn area of the shaft. Refer to item #1.

## Installation Procedures

8. Guide shaft through the silicone hose and into the housing and into the install tool (that is already in position).
9. Holding the Ultra seal system with one hand, (with one continuous motion) carefully slide the shaft and install tool all the way through the system until there is approximately 6" of shaft showing outside the system. **Be careful not to let the shaft slip back through the seal system.**
10. Once the shaft is successfully installed through the housing, you can then install the silicon hose to the bulkhead / shaft log secure and with the 2 stainless steel clamps provided.
11. **Reminder... You have verified the concentricity is correct? If yes, proceed to #13**
12. Attach coupler and align drive shaft so that all items are concentric to bulkhead attachment point and the seal system is not in a bind due to misalignment.
13. Source and Install the water supply feed line. You can use the T-fitting provided and splice into 1-1/4" ID hose or an alternate water supply location can be used.
14. Typically, the water supply is typically installed on intake side of the water system or off of the transmission cooler line using a 1/8" NPT – 3/8 hose barb. Water supply Temps below 170°F are preferred.
15. Once all fasteners are secure and clamps are tightened it is time to test the system.
16. A slight drip might be noticed for the first initial run. This is typical due to the seal taking a set to the shaft. The seal will install a burnished surface where it will seal to the shaft for years to come.
17. Periodically inspect the system. \*\*\* Note: It is common to notice a slight dust around the housing face after some use. This is typical.

We thank you for your purchase of the ***GLIDE*** Ultra Seal System.

### **FOR SERVICING THE SYSTEM AND INSTALLING THE BACKUP SEAL**

#### **GO TO:**

<https://www.youtube.com/watch?v=ujSDHKv4CYM>