



3195 Lyle Road • Beaverton, MI 48612  
Phone: (989) 435-7080 • Fax: (888) 484-3946

## **INSTALLATION INSTRUCTIONS FOR O-RING KIT PN: 82871 HOWE PN: 82870 HYDRAULIC THROW-OUT BEARING FOR STOCK CLUTCHES**

### **Kit 82871 Contains:** 4 Total O-rings

1 - Thick Large O-ring (for 2003 & Up style housings)  
1 - Thin Large O-ring (for pre-2003 style housings)

1 - Thick Small O-ring (for inside of piston)  
1 - Thin Small O-ring (for small diameter of housings)

### **Installation**

1. Hold the throw out bearing between your index fingers and thumbs with your thumbs able to push down on the piston and the mounting face of the housing away from you.
2. Push down evenly with your thumbs on the piston. The piston should slide down and you should be able to remove it from the housing.
3. Once you remove the piston clean it with a lint free cloth and inspect it for nicks.
4. Turn the housing over, remove the old o-rings and clean the housing with a lint free cloth.
5. Before you install the new o-rings you need to identify the housing to see if it is a pre-2003 or a 2003 & Up style housing. Look between the fittings on your housing. If you see a machined dimple between the fittings you have a 2003 & Up style housing.
6. The 2003 & Up style housing uses the thicker of the two large rear o-rings. The pre-2003 style without a marking between the fittings uses the thinner of the two large o-rings.
7. Before installing the new o-rings pre-lube them thoroughly with a DOT 3 or equivalent non-silicone brake fluid.
8. Once the new o-rings are installed place the piston squarely in the housing. Apply even pressure to the piston with a slight turning motion to start the piston back into the housing.
9. After the piston is back into the housing the throw-out bearing unit is ready to be installed.

### **WARNING!**

- **Use this throw-out bearing with a stock clutch only, a racing clutch will cause damage.**
- **Free play or an oversized master cylinder will cause the unit to over extend and blow apart! The 82870 is designed to work with a 3/4" master cylinder!**
- **Never use petroleum or mineral base fluids; only DOT 3 or equivalent non-silicone brake fluid.**
- **Pressure exceeding 1,500 psi. will damage the o-rings.**