



## INSTALLATION INSTRUCTIONS

### **P/N 23670 DRY SUMP OIL PUMP DRIVE KIT**

**\*TO BE USED WITH MOROSO P/N 22560 D/S OIL PUMP AND P/N 22600 EXTERNAL PUMP**

**NOTE:** Follow step #1 and step #2 before installing dampener on crankshaft.

1. Place hub into dampener and use the two 3/16" holes in the hub to drill into the dampener.
2. Drill holes approximately 1/2" deep. Disassemble and clean all parts.
3. Install dampener on crankshaft and install hub into dampener. Use the two 3/16" x 1" split pins to secure hub onto dampener.
4. Push the long square key into the front hub shaft.
5. Install crank trigger wheel on dampener as per manufacturers instructions. If you are not using a crank trigger system install the .300" aluminum spacer to replace the crank trigger wheel. Next install the .375" aluminum spacer to give belt clearance around the crank trigger wheel attachment bolts. Now slide the small gilmer pulley over the drive hub. The stepped steel washer now goes over the end of the assembly. Extra belt guides in varying thickness are provided to obtain exact pulley alignment.
6. Thread the 3-1/2" bolt into the crank through the entire drive assembly and torque to 75 ft./lbs. It is recommended that Loctite be used on this bolt.
7. Push the shorter square key into the dry sump pump drive shaft and slide the larger aluminum gilmer pulley onto the pump shaft. Align the pump pulley with the drive pulley by placing a straight edge across their faces. Then install four 10-32 set screws into the pulley holes and tighten.
8. Install the gilmer drive belt and adjust tension to approximately 3/8" slack. After the engine has been run and is hot, check belt tension again. It should not have less than 1/4" slack when hot. Grease and oil should be kept off the belt surfaces at all times.

#### PARTS LIST

1-Drive Hub	1-1/8"x2-1/4" Square Key	1-Large Gilmer Pulley
1-Small Gilmer Pulley	1-Steel Stepped Washer	1-.300 Alum Spacer
1-.375 Alum. Spacer	1-Gilmer belt	4-10-32 Allen Set Screws
1-3/16 Alum. Spacer	1-3-1/2" Bolt	2-3/16" Split Pins
1-.093 Belt Guide	1-.032 Belt Guide	2-.062 Belt Guides

**For Technical Assistance, Call Moroso's Tech Line at  
(203) 458-0542, 458-0546 8:30am – 5:00pm Eastern Time**

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