



## INSTALLATION INSTRUCTIONS

P/N 23660

**DRY SUMP OIL PUMP DRIVE KIT FOR SMALL BLOCK CHEVY DRAG RACE - (57% REDUCTION RATIO) WITH ELECTRIC MOTOR DRIVEN WATER PUMP AND/OR CRANK TRIGGER IGNITION**

**TO BE USED WITH MOROSO PART #22560 DRY SUMP OIL PUMP AND PART #22600 EXTERNAL OIL PUMP.**

1. Place the half-round Woodruff key into the slot in the large end of the aluminum hub. Then tap the hub into your dampener, making sure the key lines up with the dampener slot.
2. Push the long square key into the front hub shaft.
3. Install crank trigger wheel on dampener per that particular manufacturer's instructions. (If you are not using a crank trigger ignition system, install the .300 aluminum spacer to replace the crank trigger wheel.) Next, install the .375 aluminum spacer to give belt clearance around 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 shims in varying thicknesses are provided to obtain exact pulley alignment.
4. Thread the 4" bolt into the crankshaft through the entire drive assembly and torque to 75 ft./lbs. It is recommended that Loctite be used on this bolt.
5. 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.
6. 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 3/16" WOODRUFF KEY	1 1/8" X 2 1/4" SQ. KEY
1 SM. GILMER PULLEY	1 LG. GILMER PULLEY	1 STEEL STEPPED WASHER
1 .300 ALUMINUM SPACER	1 .375 ALUMINUM SPACER	1 GILMER BELT
4 10-32 ALLEN SET SCREWS	1 3/16" SQ. KEY	1 4" BOLT
1 .093 ALUMINUM SHIM	1 .032 ALUMINUM SHIM	2 .062 ALUMINUM SHIM

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

MOROSO PERFORMANCE PRODUCTS, INC  
80 CARTER DR • GUILFORD, CT 06437-2116  
Phone: (203) 453-6571 • Fax: (203) 453-6906