



INSTALLATION INSTRUCTIONS

MOROSO PART NO. 23600 - DRY SUMP OR EXTERNAL OIL PUMP DRIVE KIT - DRAG RACE
SMALL BLOCK CHEVY W/CRANKSHAFT-DRIVEN WATER PUMP
USE WITH PART NO. 22600 EXTERNAL OIL PUMP, AND PART
NO. 22560 DRY SUMP OIL PUMP

NOTE: Complete Item 1 below before mounting dampener on crankshaft.

1. Mount the Steel Hub by placing the half-round Woodruff key into the slot in the large end of the steel hub. Then tap the hub into your dampener making sure that the key lines up with the dampener slot.
2. Push the long square key into the front hub shaft.
3. After installing the hub into the dampener, place a .250 spacer over the hub. If you are using a 1/4" thick motor plate next install all 4 aluminum shims over the hub, and then slide the V-belt pulley on next. The shims come in varying thicknesses to help maintain proper pulley alignment. (NOTE: If you are not using a motor plate delete the use of the shims and machine .250 from the front of the hub). Next install the small Gilmer pulley on the hub followed by the stepped end washer.
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 this 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 should be kept off the belt surfaces at all times.

PARTS LIST

1 - Steel Hub	1 - Gilmer Drive Belt	1 - V-Belt Pulley
1 - Small Dia Gilmer Pulley	1 - Large Dia Gilmer Pulley	1 - 1/4" Aluminum spacer
1 - Stepped End Washer	1 - 4" Bolt	1 - Woodruff Key
1 - Long Square Key	1 - Short Square Key	4 - 10-32 Set Screws
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**

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