



INSTALLATION INSTRUCTIONS

P/N 97257

REPLACEMENT ELECTRIC WATER PUMP MOTOR

This is a replacement motor for Moroso Electric Water Pumps P/N's 63539, 63546, & 63555. We recommend replacing the water pump seal since the water pump will be fully disassembled. Seal kit - Moroso P/N 97255.

To replace the electric motor, remove the four allen bolts on the back of the pump body. Remove any remaining bolts, which connect the front cover to the body. Loosen the setscrew on the impeller and remove the impeller. It be necessary to heat the impeller to "break" the Loctite used from the factory.

NOTE: Due to production variation in the motor cover the back casting may need to be modified to fit the bearing pocket on the new motor. The machined pocket around the seal can be chamfered using a rotary burring tool or it can be machined on a Bridgeport mill. We recommend removing the old seal and replacing the seal **after** you have modified the pocket. Test fit the new motor up against the back casting to be sure the motor fits tightly against the casting (step 2).

INSTALLATION

1. Press the seal into the rear casting with the spring facing the front cover. Use red Loctite to secure the seal. Lubricate the inside of the seal with Moroso Moly Paste P/N 35000 or equivalent.
2. Insert motor shaft through seal and seat motor onto rear of casting. (see **Note** above)
3. Use the height gauge to set proper back space between bottom surface of impeller and casting (.050"). Apply Red Loctite to Impeller set screw and install. Make sure set screw is tightened square against flat on shaft. Spin the impeller to check for out of alignment.
4. Place front cover face down. Place gasket with cut out aligned with water inlet on face.
5. Place rear casting and motor assembly onto front cover. Place Blue Loctite in the four motor retaining screws and install. Torque screws to 60-70 in/lbs.
6. Install the four front cover bolts. Torque to 15-20 ft./lbs. Recheck torque on motor retaining screws.

**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