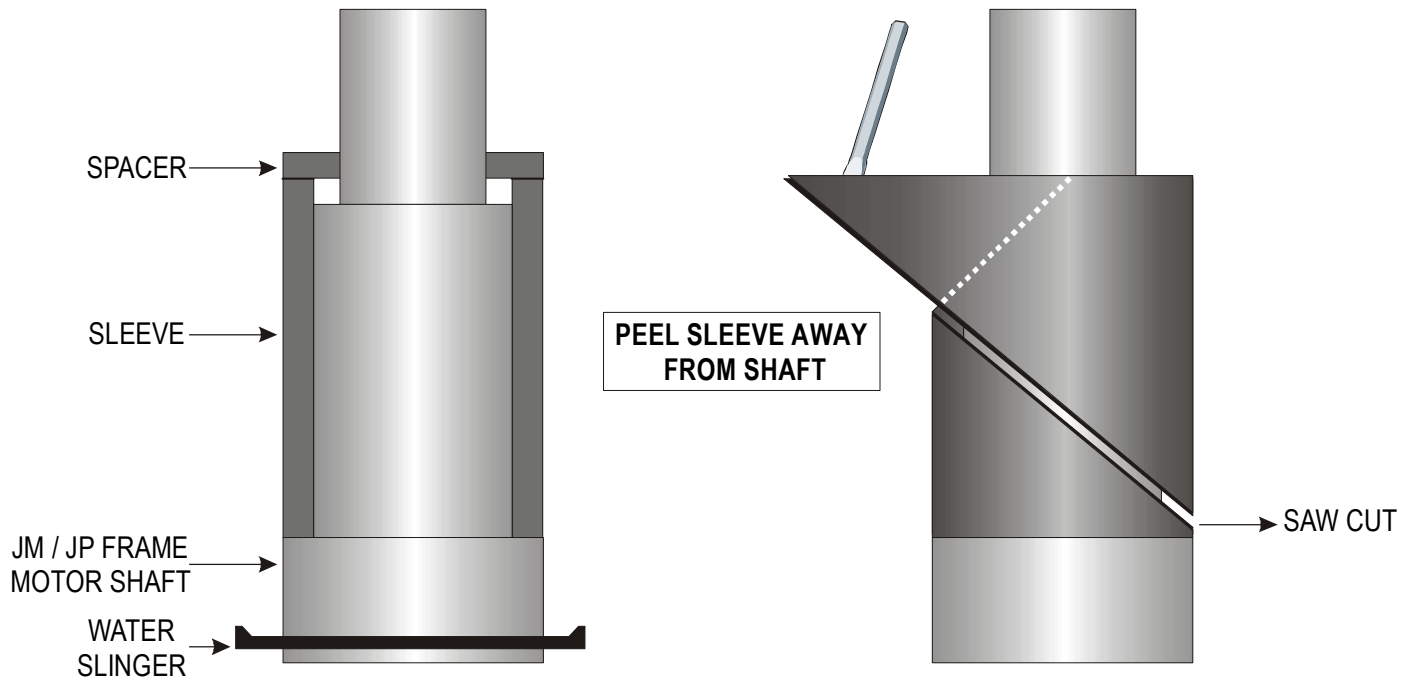


ARMSTRONG®

INSTALLATION AND OPERATING INSTRUCTIONS

MOTOR MOUNTED (CLOSE COUPLED) PUMPS SHAFT SLEEVE AND SPACER REPLACEMENT SERIES 4280, 4360D, 4380 AND 4382



See separate instructions to remove the motor from, and replace the motor into, the pumping unit.

Sleeve and spacer replacement procedure:

- 1) Remove the spacer and water slinger
- 2) Remove the existing shaft sleeve. Do not heat or hammer sleeve off, or motor damage will occur. Cut the sleeve diagonally, with a hacksaw; a single cut the whole length of the sleeve. Ensure that the cut depth does not damage the shaft. Using a hammer and chisel, carefully peel back the sleeve section until the cut spiral is removed. If well cut, the sleeve removal is not difficult.
- 3) Stand the motor with the shaft upright. Support, if necessary for

safety.

- 4) Support the shaft sleeve on a suitable metal bar, with insulated handle. (A large round file is ideal) The sleeve beveled end should be close to the motor. Heat the sleeve until dull red. Slide the sleeve, quickly and evenly, over the shaft (Beveled end first) and butt firmly against the motor shaft shoulder.
- 5) Wait until the sleeve cools and slide the water slinger over the shaft, close to the motor. Place the spacer on top of the sleeve.

The motor is now ready to be used on the pump.

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