



OBERDORFER PUMPS

P.O. Box 4770, Syracuse, NY 13221

Service Instructions for Rubber Impeller Pumps with Ball Bearings - Mechanical Seals

Remove pump cover, pry impeller from pump body.

Remove any burrs caused by screw driver pressure on edge of machined pump body.

Remove shaft key.

Use wire cutters or equal tool.

Remove cam.

Note pin at bottom face of cam which keeps wear plate from turning. Removing cam normally allows wear plate to drop out of impeller chamber. However, wear plate is usually frozen in position and is broken free when seal is pried out as per next step.

Pry Out Seal Assembly and Washer

Initial seal pry-out is accomplished by placing 2 screw drivers behind washer and exerting leverage thru window openings in casting.

Further seal pry-out is accomplished with off-set screw driver or by using heads of No. 10 size box nails as shown. (Any offset device can be used.)

Final seal pull-out (if necessary) is accomplished by using pliers.

Pump disassembly described above is sufficient for replacement of impeller, seal, cam "o" ring, and turn around of wear plate. For removal of pump shaft, ball

bearings and bearing lip seals, remove the external retaining ring at drive end of pump and press out shaft from impeller end of pump.

Assemble shaft, ball bearings, and lip seals.

Press bearings against retaining rings. Slide lip seals against bearings. **NOTE:** sleeve provided to slide lip of seal over step in shaft.

Press shaft and bearing assembly into pump body.

Slide main pump seal and washer over shaft into press position. **IMPORTANT** - Drop the small pin provided in the service kit into the keyslot. The pin serves as a filler and prevents sharp keyslot edges from cutting the rubber ring of wearface.

Press seal into pump body.

A light coat of permatex or similar sealer is recommended.

- Install wearplate
- Install Cam
- Install Impeller Key
- Install Impellerz
- Install "O" ring
- Install Cover