





## Disassembly and reassembly of a Continental CL10 & CL10H Progressing Cavity Pump

1. Remove the reducer, #9 from the discharge end of the pump. Remove clamp bolts from stator housing support, #38, and pull off the top half of stator support from stator, #21. Place temporary support under suction housing, #2, using a block of wood. Remove the bottom half of the stator support, #38.
2. By using pipe wrench remove stator, #21 from main body casting, #2. Pull stator, #21 off rotor, #22.
3. Remove two drive pin retainer screws, #54, with allen wrench and driveshaft pin, #46, by pushing pin through drive pin screw holes.
4. Pull rotor, #22, out of driveshaft, #26.
5. To dis-assemble rotor and connecting rod, press rotor band, #50, off rotor head, push rotor pin, #45, out of rotor head, then pull connecting rod, #25, out of rotor head. To re-assemble rotor and connecting rod, use new connecting rod washers, #53.
6. Remove five cap screws from bearing cover plate, #34.
7. We recommend using a press to remove driveshaft, #26 and bearing assembly from bearing housing, #5. If press is not available insert a rod into driveshaft, #26, through main body castings, #2, and drive ball bearings and shaft assembly out of main body casting, #2.
8. To dis-assemble driveshaft, #26 and ball bearings, remove lock nut, #58, and washer, #59, then press bearings, #29 and #30, and bearing spacer, #33, off driveshaft, #26. When reinstalling bearings, #29 and #30, they should be packed with good anti-friction bearing grease.
9. Remove packing gland bolts and packing gland, #41.
10. Remove packing, #42 and note how the packing rings are staggered. When re-packing, stagger the ends of packing. Remove lantern ring, #57, and packing gland insert, #65.
11. Remove felt grease seal, #61, from the grease seal retainer, #63, out of the main body casting, #2. Remove thrust bearing grease seal, #62, from bearing cover plate, #34.
12. To re-assemble, reverse the above procedure.

### **Continental Pump Company**

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: [sales@con-pump.com](mailto:sales@con-pump.com)  
[www.continentalultrapumps.com](http://www.continentalultrapumps.com)