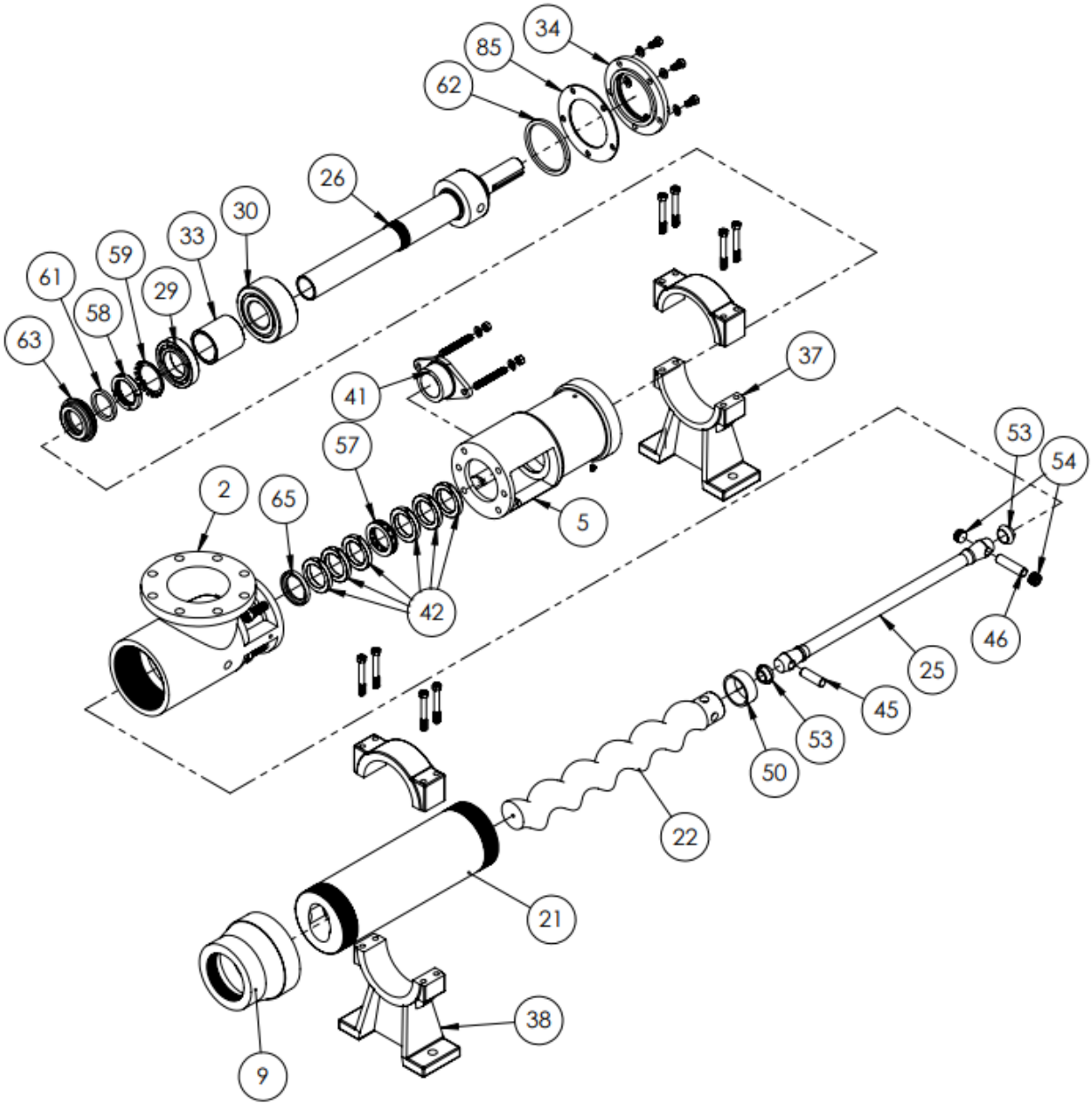
CONTINENTAL® PROGRESSING CAVITY ULTRAPUMP

A DIVISION OF KINETIFLO GROUP

CL10 & CL10H Pump Disassembly



29425 State Hwy B

Warrenton, MO 63383

Ph. 636.456.6006

CL10 & CL10H Pump Disassembly

1. Remove the reducer, (9), from the discharge end of the pump. Remove clamp bolts from stator support, (38), and pull off the top half of stator support from stator, (21). Place temporary support under suction housing, (2), such as a block of wood. Remove the bottom half of the stator support, (38).
2. Use a pipe wrench remove stator, (21), from suction housing, (2). Pull stator, (21), off the 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 assembly out of driveshaft, (26).
5. To disassemble rotor and connecting rod, press rotor band, (50), off rotor (22), push the rotor pin, (45), out of rotor, then pull connecting rod, (25), out of rotor. To reassemble 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 suction housing, (2), and drive ball bearings and shaft assembly out of the bearing housing, (2).
8. To disassemble 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 repacking, 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 suction housing, (2). Remove thrust bearing grease seal, (62), from bearing cover plate, (34).
12. To reassemble, reverse the above procedure.

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