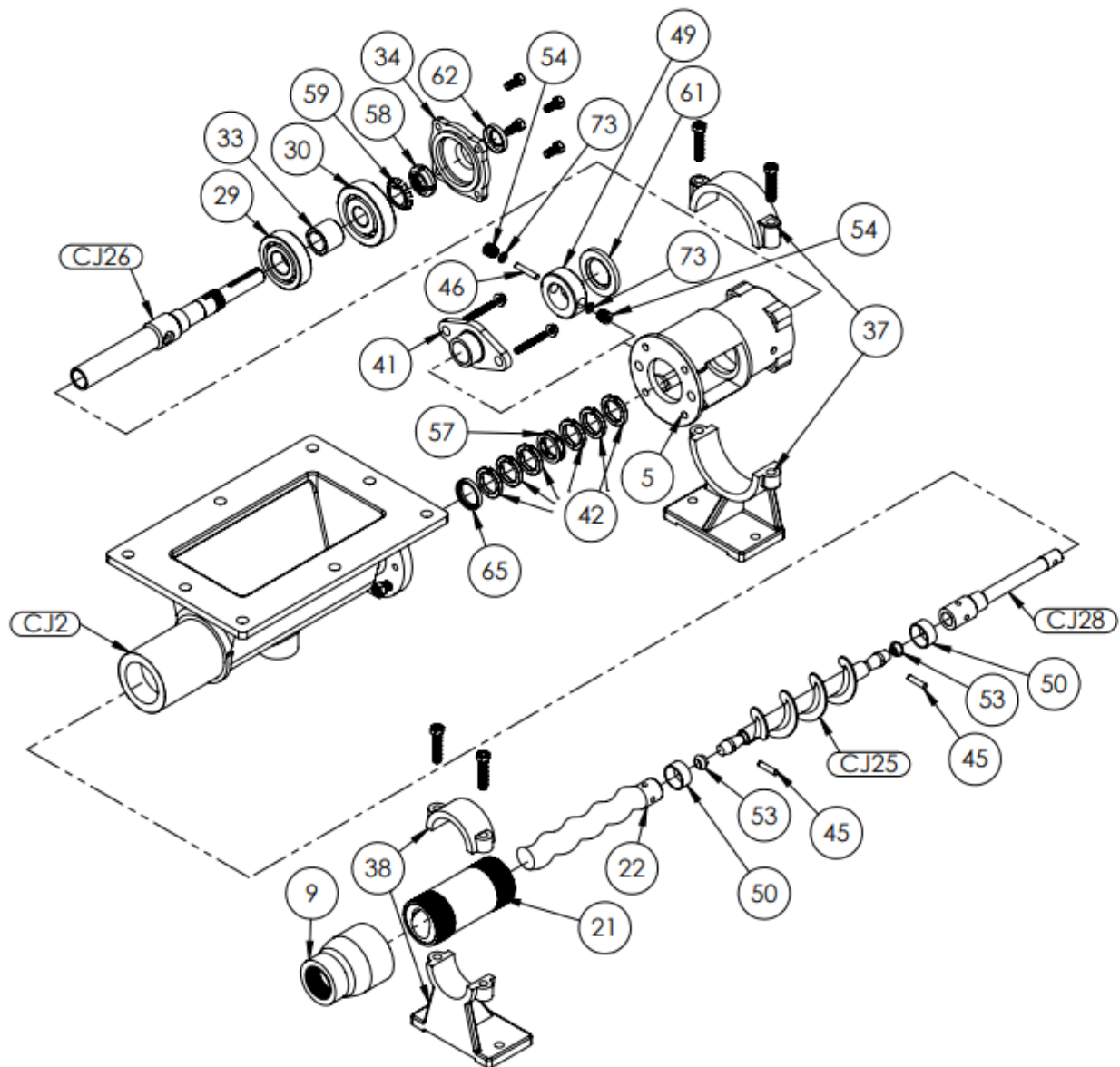


CJ3-CJ8 Pump Disassembly





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CJ3-CJ8 Pump Disassembly

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), such as a block of wood. Remove the bottom half of the stator support, (38).
2. By using pipe wrench remove stator, (21), from hopper housing, (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 collar, (49).
4. Slide collar, (49), back to packing gland, (41).
5. Remove two drive pin washers, (73). It is best to use new drive pin washers when reassembling.
6. Pull rotor, (22), and auger assembly out of intermediate driveshaft, (28).
7. To disassemble rotor, auger assembly and/or intermediate drive shaft: slide rotor band, (50), towards auger assembly to expose rotor pin (45), punch rotor pin, (45), to separate rotor, (22), intermediate shaft (28), and auger (25). When reassembling the rotor use new connecting rod washers, (53) on the auger, (25).
8. Remove four cap screws from bearing cover plate, (34).
9. We recommend using a press to remove driveshaft, (26) and bearing assembly from bearing housing, (5). If press is not available insert a small rod into driveshaft, (26), through bearing housing, (5), and drive the bearing assembly and driveshaft out of the hopper housing, (2).
10. 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.
11. Remove packing gland bolts and packing gland, (41).
12. 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).
13. Press out the radial grease seal, (61), from the bearing housing and the thrust grease seal, (62), out of the bearing cover plate, (34).

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14. To reassemble, reverse the above procedure.

15.