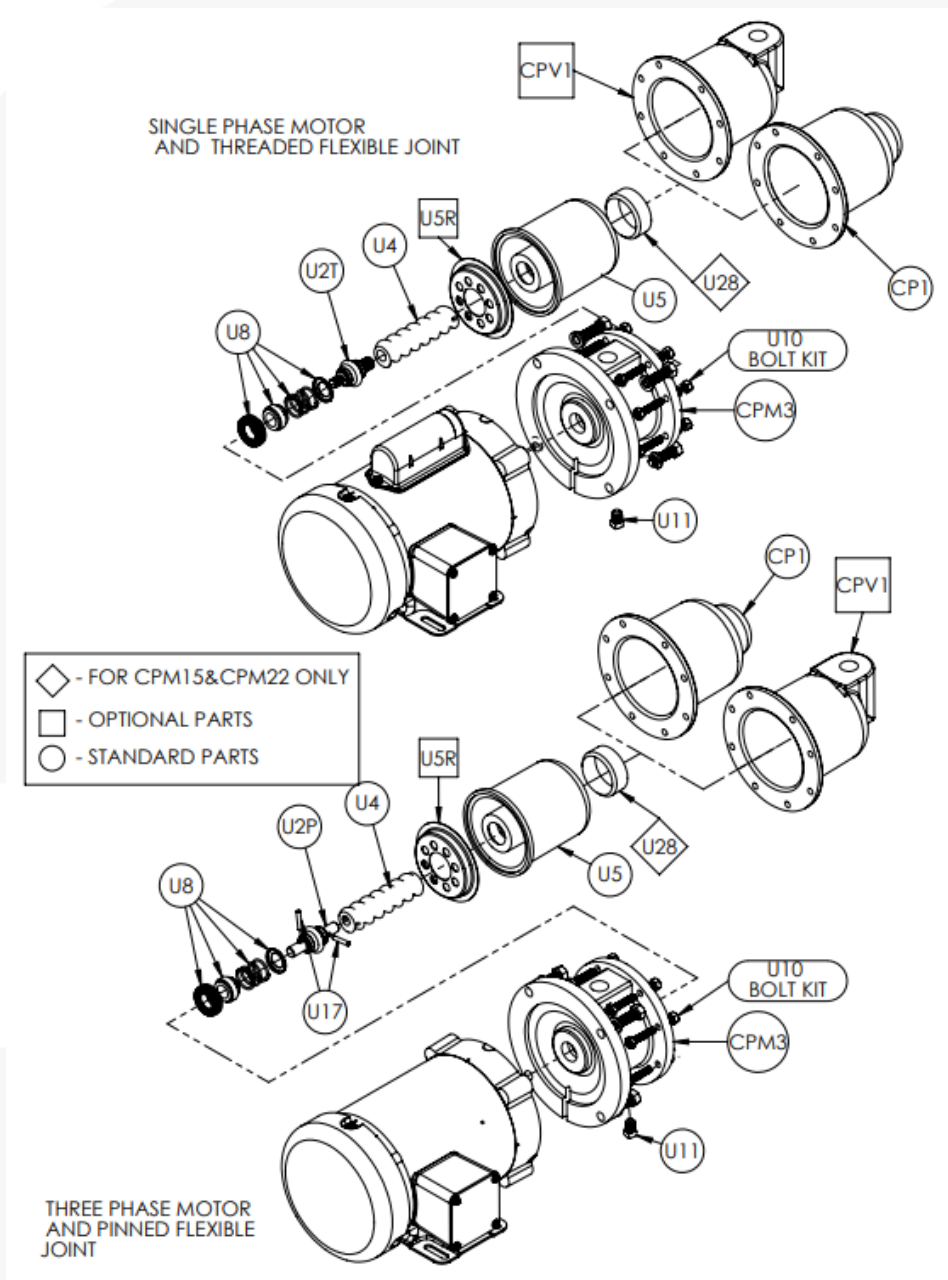


CPM Pump Disassembly (CPM15, CPM22, CPM33 & CPM44)



CPM Model uses a Continental Spec Motor. Available in Cast Iron and Stainless Steel.

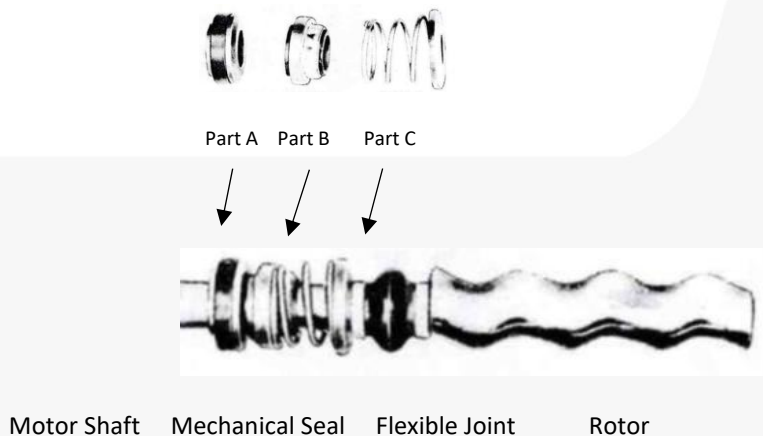
29425 State Hwy B

Warrenton, MO 63383

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CPM Pump Disassembly (CPM15, CPM22, CPM33 & CPM44)

1. Disconnect power source.
2. Disconnect pipe or hose at suction and discharge ports.
3. Remove bolts which connect suction housing (CP1), to discharge housing, (CPM3). Remove suction housing and stator (U5).
4. Remove the rotor, (U4), from the threaded flexible joint, (U2), by rotating counterclockwise or use a punch to remove the roll pins, (U17), from the pinned flexible joint, (U2), through the discharge port.
5. Remove the threaded flexible joint, (U2), from the motor shaft by using an allen wrench and turn counterclockwise or use punch to remove the other roll pin, (U17), from the pinned flexible joint.
6. Remove mechanical seal, (U8), off the motor shaft. Carefully remove the seal seat out of the discharge housing, (CPM3).
7. Remove discharge housing (CPM3) from motor by removing bolts, washers and nuts (U10).
NOTE: If any parts of the mechanical seal are worn or broken, replace complete mechanical seal. The parts of each mechanical seal are precision matched and are not interchangeable.
8. Install the seal (U8): The illustration below shows how mechanical seal is installed by parts and how it looks after it is complete. Part A is pressed into the discharge housing (CPM3). Care should be taken to ensure that the mating surfaces of Part A and B are not scratched. Moisten rubber sleeve of Part B with soap and water to permit easy fitting over motor shaft. Part B is then slipped down the motor shaft until face fits firmly against face of Part A. Part C is placed against Part B. Flexible joint (U2) should then be screwed or pinned into motor shaft against Part C. Use an allen wrench to tighten flexible joint (U2) and then screw rotor (U4) onto flexible joint or use pins (U17). Moisten the inside of the stator (U5) with soapy water and slip it over the rotor (U4), place the stator lip inside the housing groove. Mount suction housing (CP1) to discharge housing (CPM3) and fasten with body screws (U10). Refill pump with liquid to be handled, connect pipe or hose to suction and discharge ports and pump is ready to run.



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