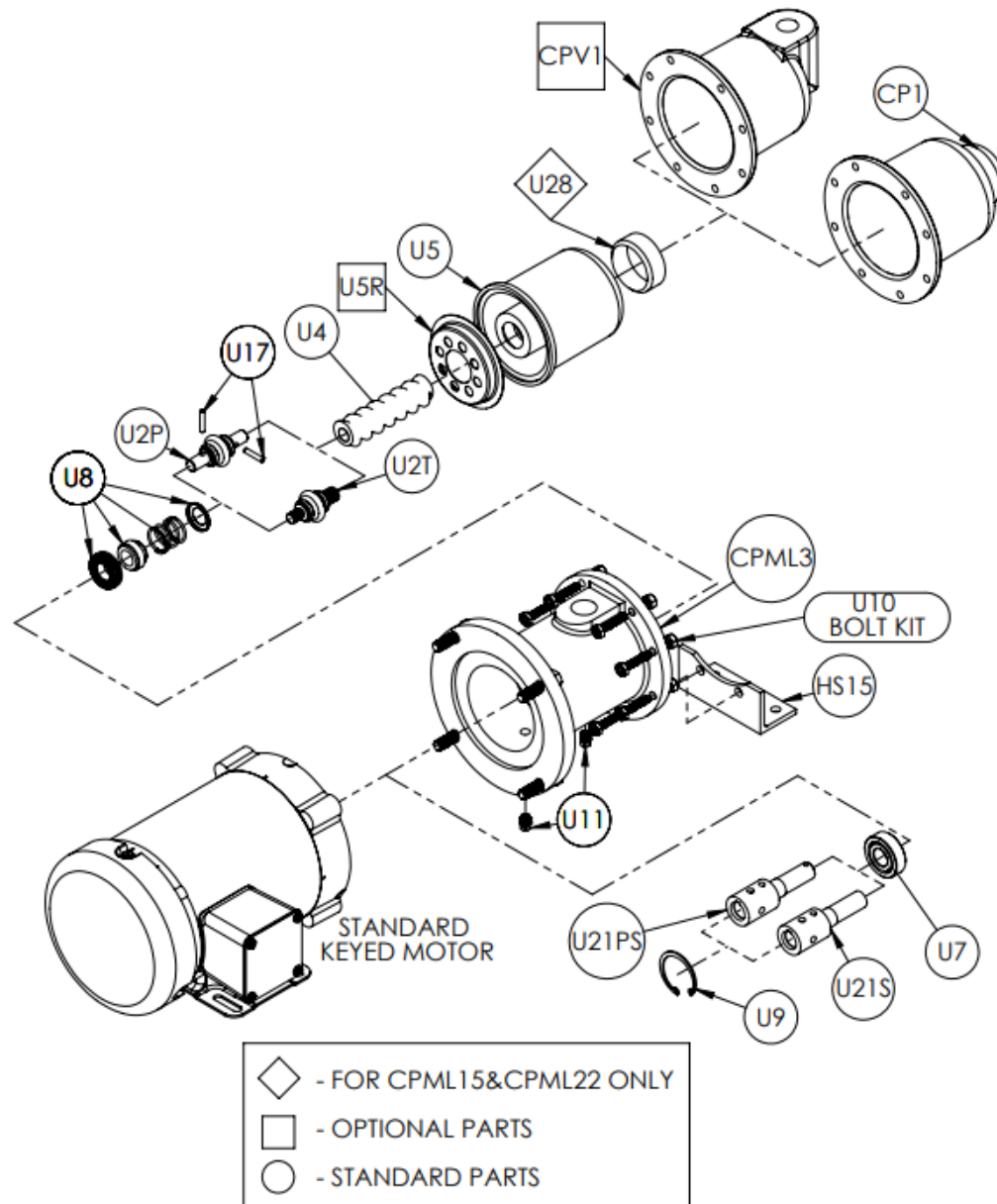


CPML15, 22, 33 & 44 Pump Disassembly



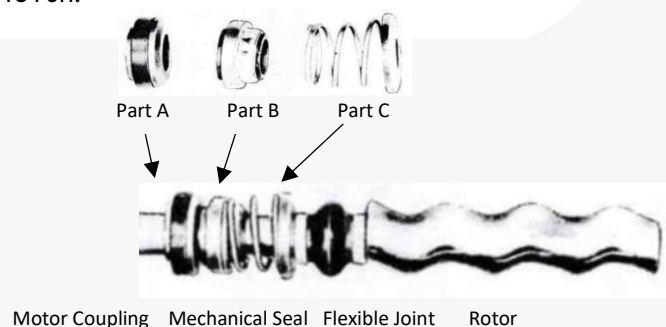
29425 State Hwy B

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CPML15, 22, 33 & 44 Pump Disassembly

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, (CPML3). Remove the 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 motor coupling, (U21), by using an allen wrench and turn counterclockwise.
6. Remove mechanical seal, (U8), from motor coupling, (U21).
7. Remove discharge housing (CPML3) from motor by removing bolts, washers and nuts (U10). Carefully remove the seal seat out of the discharge housing, (CPML3).
8. **NOTE:** Only the CPML pump end kit is constructed with bearing (U7) and snap ring (U9) on the motor side of the discharge housing (CPML3), as illustrated on the exploded view. To remove motor coupling (U21) and bearing (U7), you must first remove the snap ring (U9) then press the motor coupling (U21) out towards the motor side of the discharge housing (CPML3).
9. **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.
10. 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. 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 the motor coupling, (U21). Part B is then slipped down motor coupling 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 the motor coupling, (U21), against Part C. Use an allen wrench to tighten flexible joint (U2) and then screw rotor onto flexible joint (U2) or use pins (U17).
11. Moisten the inside of stator (U5) with soapy water and slip it over rotor, place stator lip inside the housing groove. Mount suction housing (CP1) to discharge housing (CPML3) and fasten with body bolts. 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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