

VISIT OUR WEB SITE

www.pricepump.com

- * **CHECK OUT THE CENTRIFUGAL PUMP UNIVERSITY AND TAKE THE INTERACTIVE PUMP TEST.**
- * **FIND TECHNICAL INFORMATION FOR ALL PRICE PUMP MODELS.**
- * **LOCATE A LOCAL DISTRIBUTOR AT www.pricepump.com**
- * **PRINTABLE I&O MANUALS IN PDF FORMAT.**

TYPE CLISSO MAINTENANCE AND REPAIR

Before attempting any repairs under warranty, contact Distributor to obtain factory authorization. Repairs carried out without authorization may void warranty. Many causes of pump system failure are due to improper system design. Refer to the trouble shooting list in this manual before carrying out pump inspection.

DISASSEMBLY

1. Disconnect power source from motor.
2. Disconnect electrical connections, tagging wires carefully to preserve correct rotation. Loosen pump base.
3. Remove pump and motor assembly to repair area. Observe position of all parts prior to disassembly.
4. Remove 6 volute bolts and remove volute from pump.
5. Loosen impeller set screws. Slide impeller off of the motor shaft.
6. Remove seal head from the impeller by sliding it off of the hub.
7. Remove the four motor bolts and remove the bracket from motor.
8. Remove the seal seat from the bracket. Use wooden or plastic dowel to tap the seat from the bracket.

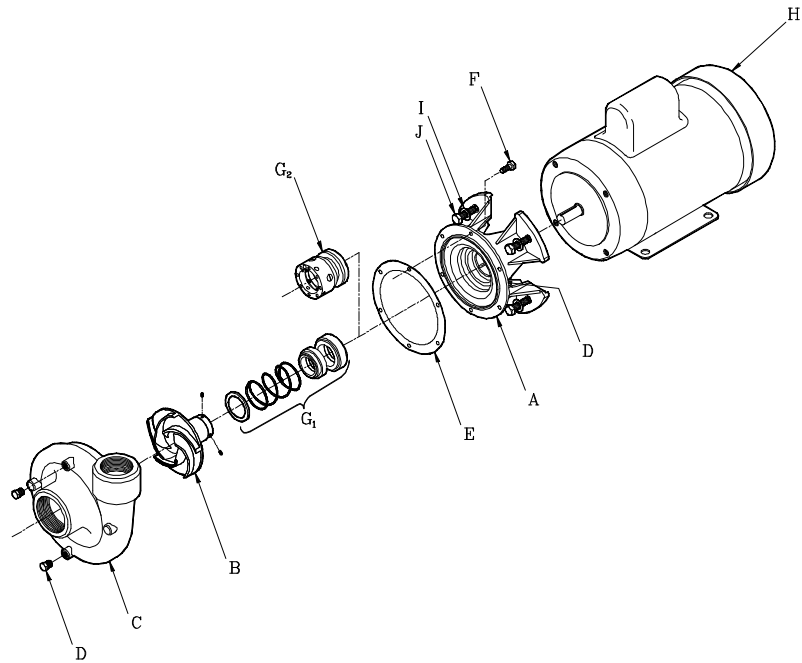
REASSEMBLY

1. Thoroughly clean the motor shaft. Make sure that the shaft and keyway have no burrs. Polish the shaft with extra fine emery cloth and clean the keyway.
2. Clean seal cavity of the bracket thoroughly. Place the bracket on a firm surface with the seat cavity (pump end) up. Place a small amount of vegetable oil on the seat cup or o-ring

3. Place the seat in the seal cavity with the polished face up towards the pump end. Evenly push the seat into the seat cavity using your fingers, and then gently tap the seat into place with a plastic or wooden dowel.
3. With motor resting on flat surface, shaft end up, carefully place the bracket on the motor. Secure the bracket to the motor with four motor bolts.
4. Thoroughly clean and inspect the outer diameter of the impeller hub. Install rotary seal head onto the impeller hub with the carbon facing away from the impeller. Using a twisting motion, slide the seal head all the way up to the step of the impeller hub.
5. Thoroughly clean and inspect inner diameter of the impeller hub. Carefully slide the impeller onto the motor shaft and through the center of the ceramic seat until the faces are touching and the seal spring is fully compressed. Tighten one of the impeller hub set screws just enough so that the impeller does not move forward.
6. Insert new volute gasket. Ensure that all of the mating surfaces of the gasket joint are cleaned to bare metal.

7. Mount volute to bracket and secure with (6) volute bolts; tighten evenly.
8. Loosen impeller set screw. the impeller should come forward until the vanes touch the inner volute surface.
9. With setting tool, feeler gauge, or other method, move the impeller .010" - .015" back from the volute face. Evenly tighten impeller hub set screws. Manually rotate impeller to ensure impeller does not rub against the volute.
10. Return to pump installation; reconnect electrical connections.
11. Start pump momentarily to observe shaft rotation. If rotation corresponds to the rotation arrow, pump may be put into service. If rotation is incorrect, switch any two leads on 3-phase motors; check motor wiring diagram for single phase rotation.
12. Remove top pipe plug from the front of the volute and prime thoroughly, making sure all air is purged.
13. Start pump allowing adequate time to purge all air from the system. Observe any gauges, flow meters, etc. to see if the pump is performing properly.

TYPE CL150SS PARTS LIST

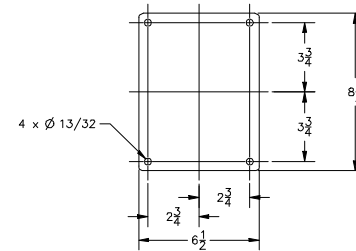
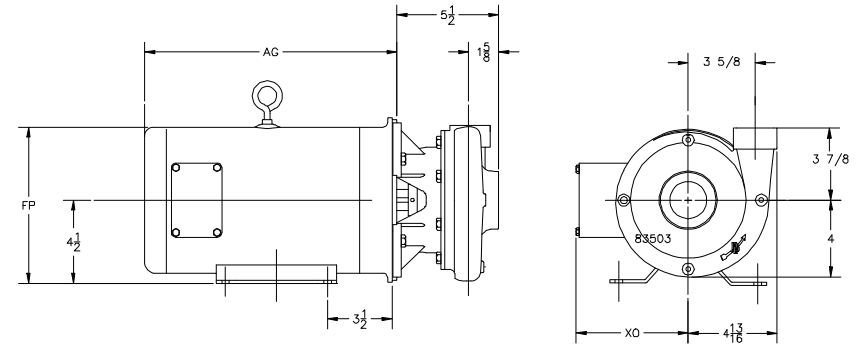


All Models

Part No.

- A. Bracket 3501
- B. Impeller w/ Setscrews 3502-dia
- C. Volute 3503
- D. Pipe plug (3 req.) 0559
- E. Gasket 3515
- F. Volute bolt (6 req.) 0917
- G₁ Seal/Seat T.21 Viton (std) 3516
- G₂ Seal/Seat T.9 Teflon 3567
- H. Motor-specify part number
- I. Washer (4 req.) 1199
- J. Motor bolt (4 req.) 0575

TYPE CL150SS OUTLINE



MOTOR END DIMENSIONS					
HP	RPM	FRM	AG	FP	XO
3	3600	182TC	12 5/16	7 3/16	5 1/4
5	3600	184TC	13 5/8	8 1/2	6
7.5	3600	184TC	15 3/16	8 1/2	6

NOTE:

ALL DIMENSIONS HAVE BEEN ROUNDED OFF TO THE NEAREST 1/16".