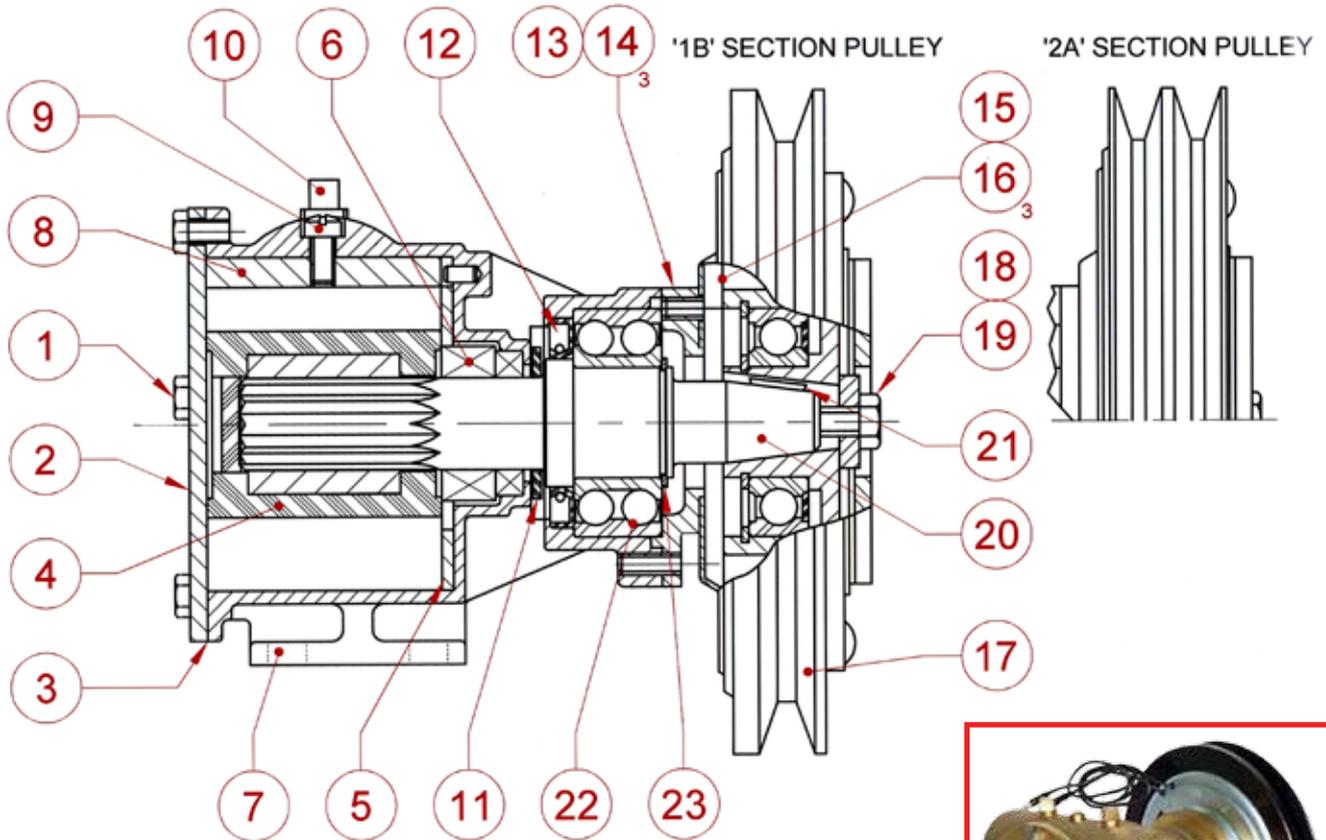


Service Instructions for Jabsco Bronze Flexible Impeller Electro Magnetic Clutch Pump **50200** Series

Inspect all parts for wear or damage and replace if necessary.

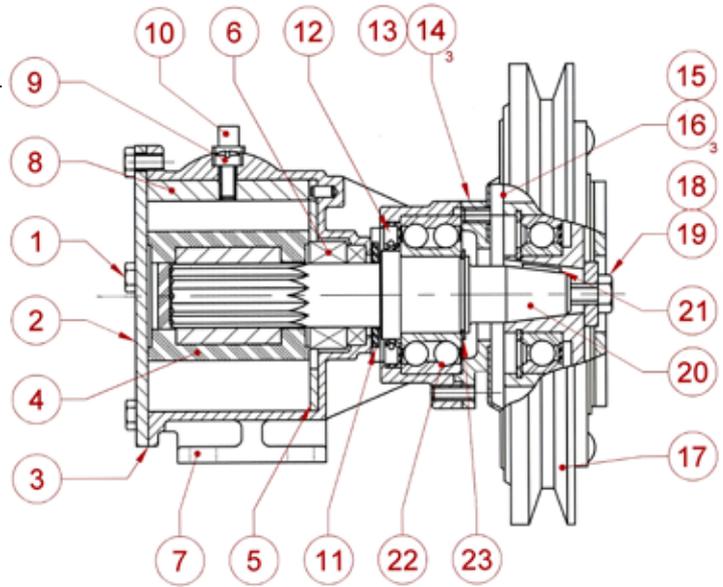


DIS-ASSEMBLY

1. Remove end cover screws, end cover and gasket. **(1, 2, 3)**
2. Remove impeller. **(4)**
3. Loosen cam screw **(9)** and remove cam. **(8)**
4. Remove wear plate. **(5)**
5. Remove seal assembly from shaft and from body. **(6)**
6. Remove bolt from end of shaft. Screw 5/8" UNC bolt into the hub of the pulley assembly in order to draw the pulley from the pump shaft. **(18)**
7. Remove the 3 screws **(16)** holding the field coil onto the housing adaptor.
8. Remove field coil. **(15)**
9. Remove fixing bolts and rear housing adaptor from body **(13, 14)**
10. Press shaft on impeller drive end to remove shaft and bearing from pump. **(20, 22)**
11. Remove bearing retaining ring from shaft. **(23)**
12. Press shaft out of bearing supporting bearing inner race.
13. Remove inner bearing seal if it needs replacing. **(12)**

ASSEMBLY

1. Press new seal into bearing end of body with lip facing away from bearing bore. **(12)**
2. Press shaft into bearing supporting inner race of bearing. **(20)**
3. Fit bearing retaining ring onto shaft. **(23)**
4. Position slinger in body drain area. Grease seal area of shaft. Push bearing and shaft into body by pressing on outer race of bearing. **(11)**
5. Fit housing adaptor to pump with 3 bolts. **(13, 14)**
6. Fit field coil to adaptor using 3 screws. Check that center bore of field coil fits over boss on the adaptor. **(15, 16)**
7. Wipe pump shaft to remove any particles and check location of key. **(20, 21)**
8. Slide pulley assembly onto shaft, lining up with key and secure with retaining bolt. **(17, 18, 19, 20, 21)**
9. Take new seal seat (cup rubber and seal seat), lightly grease the outside edge of cup rubber and press into cavity in pump body with ceramic facing towards impeller bore. Slide mechanical seal sub assembly over shaft until the carbon face engages against ceramic face of stationary seal. **(6)**
10. Fit wear-plate. **(5)**
11. Coat cam screw thread, top side and back of cam, with non-setting jointing compound and fit into body, securing with the cam screw. **(8, 9)**
12. Lightly grease impeller bore and fit impeller. **(4)**
13. Fit end cover and gasket and secure with screws. **(1, 2, 3)**



KEY	DESCRIPTION	QTY	KEY	DESCRIPTION	QTY
1	End cover screw	5	13	Clutch adaptor	1
2	End cover	1	14	Bolts	3
3	Gasket	1	15	Field coil	1
4	Impeller	1	16	Bolt	3
5	Wear plate	1	17	Pulley	1
6	Lip seal	1	18	Screw	1
7	Body	1	19	Washer	1
8	Cam	1	20	Shaft	1
9	Cam screw	1	21	Shaft key	1
10	Pipe plug	2	22	Bearing	1
11	Slinger	1	23	Retaining ring	1
12	Inner bearing seal	1	24		