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NOTE! To the installer: Please make sure you provide this manual to the owner of the equipment or to the responsible party who maintains the system.

READ AND FOLLOW SAFETY INSTRUCTIONS!

 This is the safety alert symbol. When you see this symbol on your pump or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

⚠ DANGER warns about hazards that will cause serious

PUMP MODELS

The presence of water energizes a red seal leak warning light at the control panel. This is a warning light only, and does not stop the motor. It indicates a leak has occurred and the pump must be repaired. Normally, this indicates the outboard seal has leaked. Allowing the unit to operate after the warning could cause upper seal leakage along with motor failure.

The resistance across the moisture seal (seal failure) probes should be checked after a seal leak warning light has lit. This can be done by disconnecting the red and orange control wires from the control panel, and measuring the resistance with an ohmmeter between the wires. If the measured values are below specification, then the pump may have a lower seal failure and require service.

On the Myers hazardous location control panels the seal leak test switch tests the seal leak circuitry continuity. When pushed the seal leak test bulb should light. If the test bulb does not light it means either the wiring circuitry to the seal leak probes has been broken or the bulb has burned out.

Note Myers built control panels supply the correct circuitry for moisture and heat sensor connections. Failure to install the correct circuitry with proper connection would negate warranty and Factory Mutual Approval.

MOTOR POWER CORD, CONTROL CORD AND CORD CAP ASSEMBLY

Each motor power cord has 4 conductors – white, black, red and green. For a three phase motor the red, black and white conductors connect to the three line leads, and the green is connected to a good ground. Interchanging any two leads will reverse the rotation of the motor.

Note: Rotation should be clockwise when observed from the top of the pump. This can be checked by noting which direction the pump torque is upon initial starting. A properly rotating pump will torque counter- clockwise upon start.

PUMP

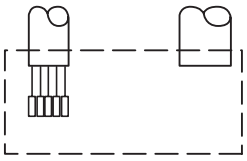
The fluid end of the pump is field serviceable and can be disassembled in case of wear, damage, plugging or outboard seal failure. The following will describe the disassembly and reassembly process.

DISASSEMBLY

1. With the pump located in a secure place, remove the bolts fastening the seal housing to the volute. The motor and Ú ë ûÊ#Êþ Á´ ì ìñĚ ÀÊ þÊ ë ñęÊÆ ´ ā ´ ìĉ ì ÚĆŮ
2. Lay the unit down on its side. If the lower seal is to be removed, it is recommended that the oil in the seal chamber be drained. This can be done by removing the lower seal chamber plug and draining the oil into a holding container.
3. To remove the impeller, first remove the bolts from the nose cone. The nose cone will pull off. Using a proper wrench, the impeller retaining bolt and washer must be removed. This may require a piece of wood placed between the vanes to keep the impeller from rotating while removing the bolt. Once the bolt has been removed, tap lightly with a hammer around the outside diameter of the impeller to loosen from tapered shaft and key.

   ⚠ CAUTION The impeller is large and heavy and will need to be supported.
4. If the lower seal needs to be removed, first remove the compression spring that rides between the impeller and the seal assembly. Next remove the compression ring that surrounds the rubber bellows on the rotating portion of the seal assembly. Again using screwdrivers, pry the remaining portion of the rotating seal assembly off the shaft. The ceramic stationary can be removed by placing a screwdriver between the rubber and the ceramic face and then prying, working around the entire diameter. Note, these parts should be discarded and a new seal assembly installed.
5.

WIRING DIAGRAM



CAP SCREW	TORQUE VALUE
3/8-16	20 ft.-lbs.
1/2-13	43 ft.-lbs.
5/8-11	93 ft.-lbs.
3/4-10	"28 ft.-lbs.
7/8-14	193 ft.-lbs.

REPAIR PARTS INDEX

ITEM	PART NO.	DESCRIPTION	QTY.
1	080730001	SEAL; SHAFT 2-1/4	2
2	05022A015	PLUG – PIPE ST GALV 1/2	1
3	05022A092	PLUG – PIPE ST GALV 1/4 HEX HD.	2
4	05030A214	WASHER – SUPPORT	1
5	05434A025	SCREW – MACH ST Z&D #6-32	2
6	055830011	SCREW – MACH (PAN HD) 10-24	4
7	05876A135	O-RING	1
8	05876A136	O-RING	1
9	05876A137	O-RING	1
10	05876A138	O-RING	1
11	06106A028	SCREW – CAP CKT HD SST	8
12	06107A015	WASHER – LOCK	4
13	07597A017	SCREW – MACH FT HD	2
14	08565A027		

REPAIR PARTS INDEX

1750 RPM

ITEM	DESCRIPTION	30 HP 200/3/1750	30 HP 230/3/1750	30 HP 460/3/1750	30 HP 575/3/1750	40 HP 230/3/1750	40 HP 460/3/1750
A1	ROTOR; W/SHAFT – ORDINARY LOCATION	26576D310	26576D310	26576D310	26576D310	26576D310	26576D310
	ROTOR; W/SHAFT – HAZARDOUS LOCATION	26576D310X	26576D310X	26576D310X	26576D310X	26576D310X	26576D310X
A2	HOUSING, BRG; UPPER	23557D010	23557D011	23557D011	23557D010	23557D011	23557D011
A3	HOUSING; & STATOR – HAZARDOUS LOCATION	23558E790	23558E762	23558E762	23558E763	23558E764	23558E764
	HOUSING; & STATOR – ORDINARY LOCATION	23558E390	23558E362	23558E362	23558E363	23558E364	23558E364

ITEM	DESCRIPTION	40 HP 575/3/1750	50 HP 230/3/1750	50 HP 460/3/1750	50 HP 575/3/1750	60 HP 460/3/1750	60 HP 575/3/1750
A1	ROTOR; W/SHAFT – ORDINARY LOCATION	26576D310	26576D310	26576D310	26576D310	26576D310	26576D310
	ROTOR; W/SHAFT – HAZARDOUS LOCATION	26576D310X	26576D310X	26576D310X	26576D310X	26576D310X	26576D310X

REPAIR PARTS INDEX

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PUMP	RPM	HP	TRIM	IMPELLER
4VC / 4VCX	1750	15	8.5	23608D548
4VC / 4VCX	1750	20	9	23608D544
4VC / 4VCX	1750	25	9.5	23608D540
4VC / 4VCX	1750	30	10	23608D536
4VC / 4VCX	1750	40	11	23608D528
4VC / 4VCX	1750	50	11.5	23608D524
4VC / 4VCX	1750	60	12	23608D520
4VC / 4VCX	1150	5	9	23608D544
4VC / 4VCX	1150	7.5	10	23608D536
4VC / 4VCX	1150	10	10.75	23608D530
4VC / 4VCX	1150	15	11.75	23608D522
4VC / 4VCX	1150	20	12	23608D520
4VC / 4VCX	870	2	8	23608D552
4VC / 4VCX	870	3	9	23608D544
4VC / 4VCX	870	5	11	23608D528
4VC / 4VCX	870	7.5	12	23608D520
4VE / 4VEX	1750	15	9	26899D212
4VE / 4VEX	1750	20	10	26899D208
4VE / 4VEX	1750	25	11	26899D204
4VE / 4VEX	1750	30	12	26899D200
6VC / 6VCX	1750	15	8.5	23608D548
6VC / 6VCX	1750	20	9	23608D544
6VC / 6VCX	1750	25	9.5	23608D540
6VC / 6VCX	1750	30	10	23608D536
6VC / 6VCX	1750	40	11	23608D528
6VC / 6VCX	1750	50	11.5	23608D524
6VC / 6VCX	1750	60	12	23608D520
6VC / 6VCX	1150	5	8.5	23608D548
6VC / 6VCX	1150	7.5	9.5	23608D540
6VC / 6VCX	1150	10	10	23608D536
6VC / 6VCX	1150	15	11.5	23608D524
6VC / 6VCX	1150	20	12	23608D520
6VC / 6VCX	870	2	8.5	23608D548
6VC / 6VCX	870	3	9.5	23608D540
6VC / 6VCX	870	5	10.5	23608D532
6VC / 6VCX	870	7.5	12	23608D520
4RC / 4RCX	3450	20	5.5	26605C524
4RC / 4RCX	3450	25	5.75	26605C522
4RC / 4RCX	3450	30	6	26605C520
4RC / 4RCX	3450	40	6.5	26605C516
4RC / 4RCX	3450	50	7	26605C512
4RC / 4RCX	3450	60	7.5	26605C508
4RC / 4RCX				