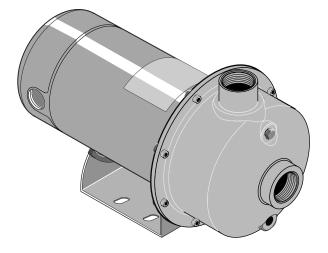


OWNER'S MANUAL

INSTALLATION AND OPERATING INSTRUCTIONS REPAIR PARTS LIST

"SSCX" AND "SSCXS" SERIES CENTRIFUGAL PUMP

High Head



MODELS

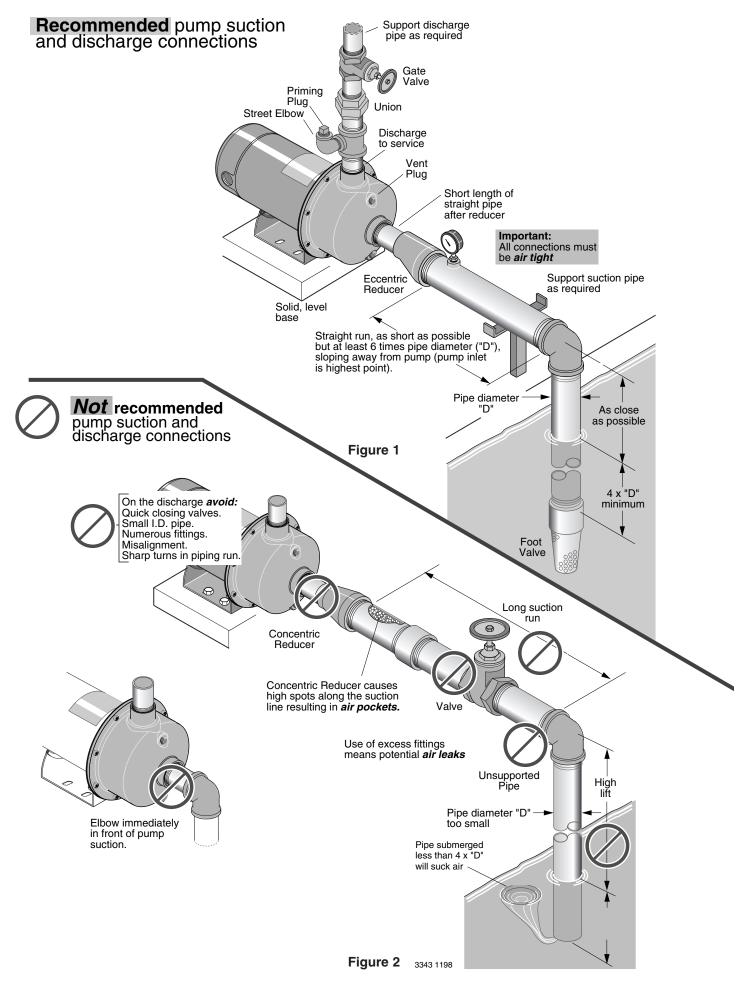
	Model	ODP M	IOTORS	TEFC N	NOTORS
HP	Number	115/230/60/1	208-230/460/60/3	115/230/60/1	208-230/460/60/3
1/2	SS1XN-½	B78635	B78636	B78647	B78648
3/4	SS1XN-¾	B78637	B78638	B78649	B78650
3/4	SS1XS-¾	B82411	B82412	B82413	B82414
1	SS1XN-1	B78639	B78640	B78651	B78652
1	SS1XS-1	B82415	B82416	B82417	B82418
1-1/2	SS1XN-1½	B78641	B78642	B78653	B78654
1-1/2	SS1XS-1½	B82419	B82420	B82421	B82422
2	SS1¼XN-2	B78643*	B78644	B78655*	B78656
2	SS1XS-2	B82423*	B82424	B82425	B82426
2-1/2	SS1¼XN-2½	B78645*	B78646	B78657*	B78658
2-1/2	SS1XS-2½	B82427*	B82428	B82429*	B82430

* 230 Volt only.

Berkeley Pumps / 293 Wright Street / Delavan, WI 53115

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BE495 (Rev. 4/19/04)



PIPING - GENERAL

Support both suction and discharge piping independently at a point near the pump to avoid putting a strain on the pump housing. Start all piping **AT THE PUMP.**

Increase pipe diameter at both the suction and discharge by one (1) standard pipe size (minimum) to obtain desired performance and flow rate. Refer to Table I when sizing pipe for your pumping system.

NOTE: Do not use pipe with **smaller** diameter on the suction side of pump.

TABLE I

	apping n Pump	Recommended Pipe Size			
Suction	Suction Discharge		Discharge		
1-1/4	1	1-1/2	1-1/4		
1-1/2 1-1/4		2	1-1/2		

SUCTION PIPE

Increase pipe size from pump tapping as shown in Table I.

Figure 1 (Page 2) depicts a recommended run of pipe and fittings for the suction side of a centrifugal pump. Please refer to this illustration when choosing pipe and fittings for your suction connection. **IMPORTANT:** All connections must be air tight!

Figure 2 (Page 2) depicts conditions that are **NOT DESIRABLE** on the suction side of a centrifugal pump and may cause problems in flow rate and priming. Please look this illustration over carefully before choosing pipe and fittings for your suction connection.

DISCHARGE PIPING

Increase pipe size from pump tapping as show in Table I. Figure 1 (Page 2) depicts a recommended run of pipe and fittings for the discharge. Install tee with priming plug as close to pump as possible. Figure 2 (Page 2) notes conditions that should be avoided. Please read over carefully before making discharge connection.

PRIMING THE PUMP

A pump is primed when all air in the suction line and pump volute has been evacuated and replaced with water.

To Prime:

- 1. Close valve in discharge line.
- 2. Remove priming plug from tee and fill pump and suction line with water until water is flowing back out of tee.
- 3. Replace priming plug.
- 4. Start pump and slowly open valve until desired water flow is achieved.

NOTE: If no water is pumped after 5 minutes, turn off pump, close valve, and repeat steps 1 thru 4.

A WARNING Risk of explosion and scalding. Never run pump against closed discharge. To do so can boil water inside pump, causing hazardous pressure buildup and possible explosion.

A CAUTION Risk of flooding. Do not run the pump dry. This will damage mechanical seal and void warranty. It may cause burns to person handling pump.

A CAUTION Motor normally operates at high temperature and will be too hot to touch. It is protected from heat damage during operation by an automatic internal cutoff switch. Before handling pump or motor, stop motor and allow it to cool for 20 minutes.

					DISTANCE IN FEET FROM MOTOR TO METER					
MODEL	MOTOR HP	VOLTAGE	MAX. LOAD AMPERES	BRANCH FUSE* RATING	0' TO 100'	101' TO 200'	201' TO 300'	301' TO 400'	401' TO 500'	
			/	AMPS		200	WIRE SIZE	100		
			SING	LE PHASE - C	DP MOTORS					
SS1XN-½	1/2	115/230/1	8.8/4.4	15/15	14/14	12/14	10/14	8/14	8/12	
SS1XN-¾	3/4	115/230/1	12.4/6.2	20/15	12/14	10/14	8/14	6/12	6/12	
SS1XS-¾	3/4	115/230/1	14.8/7.4	20/15	12/14	8/14	6/14	6/12	4/10	
SS1XN-1	1	115/230/1	14.8/7.4	20/15	12/14	8/14	6/14	6/12	4/10	
SS1XS-1	1	115/230/1	19.2/9.6	25/15	10/14	8/14	6/12	4/10	4/10	
SS1XN-1½	1-1/2	115/230/1	19.2/9.6	25/15	10/14	8/14	6/12	4/10	4/10	
SS1XS-1½	1-1/2	115/230/1	24.0/12.0	30/15	10/14	6/12	6/12	4/10	3/8	
SS1¼XN-2	2	115/230/1	24.0/12.0	30/15	10/14	6/12	6/12	4/10	3/8	
SS1XS-2	2	115/230/1	26.0/13.0	35/20	8/12	6/12	4/10	4/10	3/8	
SS1¼XN-2½	2-1/2	115/230/1	26.0/13.0	35/20	8/12	6/12	4/10	4/10	3/8	
SS1XS-2½	2-1/2	115/230/1	26.0/13.0	35/20	8/12	6/12	4/10	4/10	3/8	
	_ 1/_	110/200/1			EFC MOTORS	0,12		1,10	0/0	
								a () :		
SS1XN-½	1/2	115/230/1	8.2/4.1	15/15	14/14	12/14	10/14	8/14	8/12	
SS1XN-¾	3/4	115/230/1	11.6/5.8	20/15	14/14	10/14	8/14	6/14	6/12	
SS1XS-¾	3/4	115/230/1	14.2/17.1	20/15	12/14	12/14	10/14	8/12	8/10	
SS1XN-1	1	115/230/1	14.2/17.1	20/15	12/14	12/14	10/14	8/12	8/10	
SS1XS-1	1	115/230/1	18.0/9.0	25/15	10/14	8/14	6/12	4/10	4/10	
SS1XN-1½	1-1/2	115/230/1	18.0/9.0	25/15	10/14	8/14	6/12	4/10	4/10	
SS1XS-1½	1-1/2	115/230/1	11.7	15	14	14	12	10	10	
SS1 ¹ / ₄ XN-2	2	230/1	11.7	15	14	14	12	10	10	
SS1XS-2	2	230/1	11.7	15	14	14	12	10	10	
SS1¼XN-2½	2-1/2	230/1	11.7	15	14	14	12	10	10	
SS1XS-2½	2-1/2	230/1	11.7	15	14	14	12	10	10	
			THRE	EE PHASE - O	DP MOTORS					
SS1XN-½	1/2	230/460/3	2.3/1.15	15	14/14	14/14	14/14	14/14	14/14	
SS1XN-¾	3/4	230/460/3	3.1/1.55	15	14/14	14/14	14/14	14/14	14/14	
SS1XS-¾	3/4	230/460/3	3.6/1.8	15	14/14	14/14	14/14	14/14	14/14	
SS1XN-1	1	230/460/3	3.6/1.8	15	14/14	14/14	14/14	14/14	14/14	
SS1XS-1	1	230/460/3	4.7/2.35	15	14/14	14/14	14/14	14/14	14/14	
SS1XN-1½	1-1/2	230/460/3	4.7/2.35	15	14/14	14/14	14/14	14/14	14/14	
SS1XS-1½	1-1/2	230/460/3	6.8/2.4	15	14/14	14/14	14/14	12/14	12/14	
SS1 ¹ / ₄ XN-2	2	230/460/3	6.8/2.4	15	14/14	14/14	14/14	12/14	12/14	
SS1XS-2	2	230/460/3	8.5/4.25	15	14/14	14/14	14/14	12/14	12/14	
SS11/4XN-21/2	2-1/2	230/460/3	8.5/4.25	15	14/14	14/14	14/14	12/14	12/14	
SS1XS-2½	2-1/2	230/460/3	8.5/4.25	15	14/14	14/14	14/14	12/14	12/14	
1		1	THRE	EE PHASE - TE	FC MOTORS	1	1	1		
SS1XN-½	1/2	208-230/460/3	2.2/1.1	15	14/14	14/14	14/14	14/14	14/14	
SS1XN-¾ SS1XS-¾	3/4 3/4	208-230/460/3 208-230/460/3	2.9/1.45 3.6/6.8	15	14/14 14/14	14/14 14/14	14/14 14/14	14/14 14/14	14/14 14/14	
SS1XS-% SS1XN-1	3/4	208-230/460/3	3.6/6.8	15 15	14/14	14/14	14/14	14/14	14/14	
SS1XN-1 SS1XS-1	1	208-230/460/3	4.8/2.4	15	14/14	14/14	14/14	14/14	14/14	
SS1XS-1 SS1XN-1½	1-1/2	208-230/460/3	4.8/2.4	15	14/14	14/14	14/14	14/14	14/14	
SS1XS-1½	1-1/2	208-230/460/3	6.0/3.0	15	14/14	14/14	14/14	14/14	12/14	
SS1/3-1/2 SS1/4XN-2	2	208-230/460/3	6.0/3.0	15	14/14	14/14	14/14	14/14	12/14	
SS1/4XIN-2 SS1XS-2		208-230/460/3	7.0/3.5		14/14	14/14	14/14	12/14	12/14	
SS1XS-2 SS1¼XN-2½	2 2-1/2	208-230/460/3	7.0/3.5	15 15	14/14	14/14	14/14	12/14	12/14	
SS1%XN-2½ SS1XS-2½	2-1/2	208-230/460/3	7.0/3.5	15	14/14	14/14	14/14	12/14	12/14	

TABLE II - RECOMMENDED FUSING AND WIRING DATA - 60/50 CYCLE MOTORS

*A Fusetron is recommended instead of a fuse in any motor circuit.

ELECTRICAL

Connection diagram for dual voltage, single-phase motors. Your dual-voltage motor's terminal board (under the motor end cover) will match one of the diagrams below. Follow that diagram if necessary to convert motor to 115 Volt power. Connect power supply wires to L1 and L2.

For 3-phase motors, TEFC motors, and motors that do not match these pictures, follow the connection diagram on the motor nameplate, or in the connection box.

THE MOTOR IS SET FOR 230 VOLTS WHEN SHIPPED.

To change the motor to use 115 volts:

- 1. Turn off power
- 2. Remove the back motor cover.

3. Use a screwdriver or 1/2" wrench and turn the voltage selector dial counterclockwise until 115 shows in the dial opening.

4. Reinstall the motor cover.



Figure 3: Changing the Voltage Setting

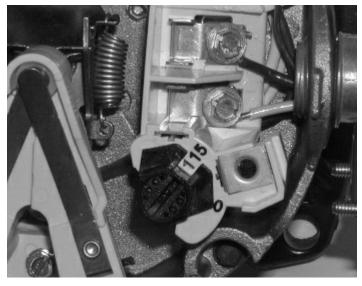


Figure 4: Motor Set for 115 Volt Operation

A WARNING Hazardous voltage. Can shock, burn, or cause death. Disconnect power to motor before working on pump or motor. Ground motor before connecting to power supply.

WIRING

Ground motor before connecting to electrical power supply. Failure to ground motor can cause severe or fatal electrical shock hazard.

Do not ground to a gas supply line.



To avoid dangerous or fatal electrical shock, turn OFF power to motor before working on electrical connections.

Supply voltage must be within ±10% of nameplate voltage. Incorrect voltage can cause fire or damage motor and voids warranty. If in doubt consult a licensed electrician.

Use wire size specified in Wiring Chart (Page 3). If possible, connect pump to a separate branch circuit with no other appliances on it.

Wire motor according to diagram on motor nameplate. If nameplate diagram differs from diagrams above, follow nameplate diagram.

- Install, ground, wire and maintain your pump in compliance with the National Electrical Code (NEC) in the U.S., or the Canadian Electrical Code (CEC), as applicable, and with all local codes and ordinances that apply. Consult your local building inspector for code information.
- 2. Provide a correctly fused disconnect switch for protection while working on motor. For switch requirements, consult your local building inspector for information about codes.
- 3. Disconnect power before servicing motor or pump. If the disconnect switch is out of sight of pump, lock it open and tag it to prevent unexpected power application.
- Ground the pump permanently using a wire of the same size as that specified in wiring chart (Page 3). Make ground connection to green grounding terminal under motor canopy marked GRD. or ⊕.
- 5. Connect ground wire to a grounded lead in the service panel or to a metal underground water pipe or well casing at least 10 feet long. Do not connect to plastic pipe or insulated fittings.
- 6. Protect current carrying and grounding conductors from cuts, grease, heat, oil, and chemicals.
- 7. Connect current carrying conductors to terminals L1 and L2 under motor canopy. When replacing motor, check wiring diagram on motor nameplate against Figure 3. If the motor wiring diagram does not match either diagram in Figure 3, follow the diagram on the motor.

IMPORTANT: 115/230 Volt single phase models are shipped from factory with motor wired for 230 volts. If power supply is 115 volts, remove motor canopy and reconnect motor as shown in Figure 3. Do not try to run motor as received on 115 volt current.

- 8. Motor has automatic internal thermal overload protection. If motor has stopped for unknown reasons, thermal overload may restart it unexpectedly, which could cause injury or property damage. Disconnect power before servicing motor.
- 9. If this procedure or the wiring diagrams are confusing, consult a licensed electrician.

SERVICE

PUMP SERVICE

This centrifugal pump requires little or no service other than reasonable care and periodic cleaning. Occasionally, however, a shaft seal may become damaged and must be replaced. The procedure as outlined below will enable you to replace the seal.

NOTICE: Pumps use mechanical seals with a rubber seat ring or a sealing O-Ring. THESE SEALS ARE COMPLETELY INTERCHANGEABLE.

NOTICE: The highly polished and lapped faces of this seal are easily damaged. Read instructions and handle the seal with care.

Some models are equipped with an impeller screw, which has a left hand thread. Before unscrewing the impeller, remove the impeller screw.

REMOVAL OF OLD SEAL

- 1. After unscrewing impeller, carefully remove rotating part of seal by prying up on sealing washer, using two screwdrivers (see Figure 5A). Use care not to scratch motor shaft.
- Remove seal plate from motor and place on flat surface, face down. Use a screwdriver to push ceramic seat out from seal cavity (see Figure 5B).

INSTALLATION OF FLOATING SEAT (Figure 5C)

1. Clean polished surface of floating seat with clean cloth.

- 2. Turn seal plate over so seal cavity is up, clean cavity thoroughly.
- 3. Lubricate outside rubber surface of ceramic seat with soapy water and press firmly into seal cavity with finger pressure. If seat will not locate properly in this manner, place cardboard washer over polished face of seat and press into seal cavity using a 3/4" socket or 3/4" piece of standard pipe.
- 4. **DISPOSE OF CARDBOARD WASHER**. Be sure polished surface of seat is free of dirt and has not been damaged by insertion. Remove excess soapy water.

INSTALLATION OF ROTATING

PART OF SEAL UNIT (Figure 5D)

- 1. Reinstall seal plate using extreme caution not to hit ceramic portion of seal on motor shaft.
- 2. Inspect shaft to make sure that it is clean.
- 3. Clean face of sealing washer with clean cloth.
- 4. Lubricate inside diameter and outer face of rubber drive ring with soapy water and slide assembly on motor shaft (sealing face first) until rubber drive ring hits shaft shoulder.
- 5. Screw impeller onto shaft until impeller hub hits shaft shoulder. This will automatically locate seal in place and move the sealing washer face up against seat facing. Reinstall impeller screw (if used).

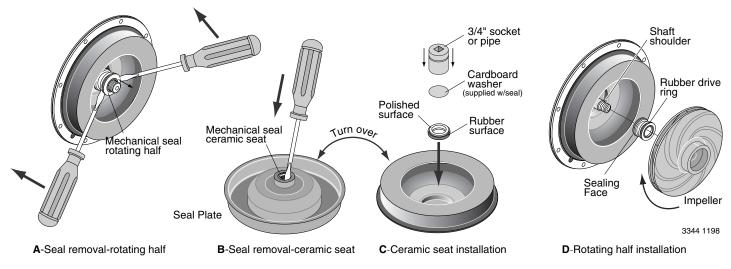
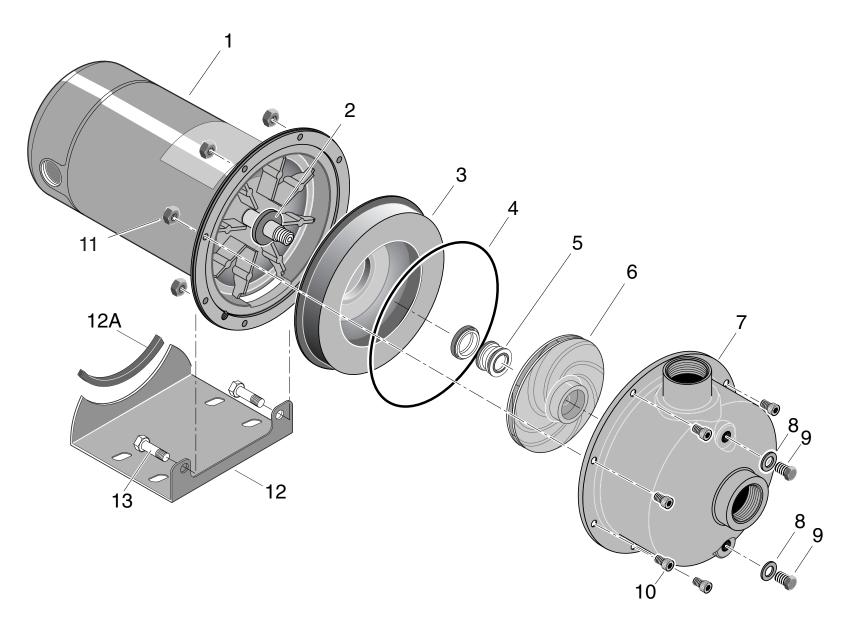


FIGURE 5: Seal replacement

TROUBLE - CAUSES AND REMEDY

TROUBLE AND CAUSE	REMEDY
FAILURE TO PUMP	
1. Pump not properly primed.	 Make sure pump casing and suction line are full of water. See priming instructions.
REDUCED CAPACITY AND/OR HEAD	
1. Air pockets or leaks in suction line.	1. Check suction piping.
2. Clogged impeller.	2. Remove and clean.
PUMP LOSES PRIME	
1. Air leaks in suction line.	1. Check suction piping
 Excessive suction lift and operating too near shut-off point. 	2. Move pump nearer to water level.
3. Water level drops while pumping,	3. Check water supply. Add length of pipe to suction
uncovering suction piping.	to keep submerged end under water.
MECHANICAL TROUBLES AND NOISE	
1. Bent shaft and/or damaged bearings.	1. Take motor to authorized motor repair shop.
2. Suction and/or discharge piping not	2. See that all piping is supported to relieve strain
properly supported and anchored.	on pump assembly.



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3342 1198

REPAIR PARTS LIST

			MOTOR AND HORSEPOWER							
			SS1XN-½	SS1XN-¾	SS1XN-1	SS1XN-1½	SS1¼XN-2	SS1¼XN-2½		
Key No.	Part Description	No. Used	B78635 B78647 B78636 B78648 1/2 HP	B78637 B78649 B78638 B78650 3/4 HP	B78639 B78651 B78640 B78652 1 HP	B78641 B78653 B78642 B78654 1-1/2 HP	B78643 B78655 B78644 B78656 2 HP	B78645 B78646 B78657 B78658 B80427† B80428†† B80429† B80430†† 2-1/2 HP		
1*	Motor, 115/230V/60 Hz., 1 Phase, ODP	1	B80440	B80441	B80442	B80443	B80444	B80445		
1*	Motor, 115/230V/60 Hz., 1 Phase, TEFC	1	B80452	B80453	B80454	B80455	B80456	B80457		
1*	Motor, 208-230/460V/60 Hz., 3 Phase, ODP	1	B80446	B80447	B80448	B80449	B80450	B80451		
1*	Motor, 230/460V/60 Hz., 3 Phase, TEFC	1	B80458	B80459	B80460	B80461	B80462	B80463		
2	Water Slinger	1	17351-0009	17351-0009	17351-0009	17351-0009	17351-0009	17351-0009		
3	Seal Plate	1	C3-200SS	C3-200SS	C3-200SS	C3-200SS	C3-200SS	C3-200SS		
4	O-Ring**	1	111P0490	111P0490	111P0490	111P0490	111P0490	111P0490		
5	Shaft Seal***	1	U109-6A	U109-6A	U109-6A	U109-6A	U109-6A	U109-6A		
6	Impeller - 1 Phase	1	C105-92PNS	C105-92PMS	C105-92PLS	C105-92PBSS	C105-214PCASS	C105-214PASS		
6	Impeller - 3 Phase	1	C105-92PNSA	C105-92PMSA	C105-92PLSA	C105-92PBSSA	C105-214PCASS	C105-214PASS		
•	Impeller Screw - 1 Phase	1	-	-	-	-	C30-14SS	C30-14SS		
•	Impeller Screw - 3 Phase	1	C30-14SS	C30-14SS	C30-14SS	C30-14SS	C30-14SS	C30-14SS		
7	Casing/Diffuser Assembly	1	723S2990	723S2990	723S2990	723S2990	723S3370	723S3370		
8	Washer	2	111P0990	111P0990	111P0990	111P0990	111P0990	111P0990		
9	Stainless Steel Plug	2	121P3780	121P3780	121P3780	121P3780	121P3780	121P3780		
10	Screw	8	121P0310	121P0310	121P0310	121P0310	121P0310	121P0310		
11	Nut, M6x1	8	U36-207SS	U36-207SS	U36-207SS	U36-207SS	U36-207SS	U36-207SS		
12	Base	1	J104-9F	J104-9F	J104-9F	J104-9F	J104-9F	J104-9F		
12	Base (1 Phase, TEFC only)	1	J104-9A	J104-9A	J104-9A	J104-9A	J104-9A	J104-9A		
12A	Motor Pad	1	C35-5	C35-5	C35-5	C35-5	C35-5	C35-5		
13	Capscrews, 3/8-16x3/4"	2	U30-72SS	U30-72SS	U30-72SS	U30-72SS	U30-72SS	U30-72SS		

* For repair or service to motors, always give the motor Model Number and any other data found on the Motor Model Plate.
 ** Models B80427, B80428, B80429 and B80430 use Part Number U9-434.

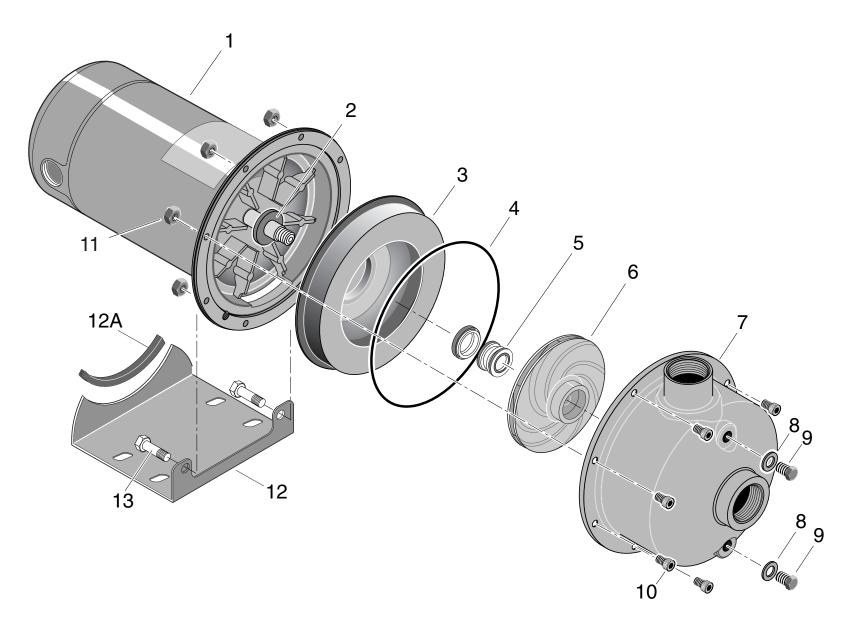
*** Models B80427 and B80428 use Shaft Seal Number U109-432SS. Models B80429 and B80430 use Shaft Seal Number U9-437.

† These models use Motor Number B80445.

t These models use Motor Number B80451.

• Not illustrated.

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3342 1198

REPAIR PARTS LIST

			MOTOR AND HORSEPOWER					
Key No.	Part Description	No. Used	SS1XS-¾ B82414 B82413 B82412 B82411 3/4 HP	SS1XS-1 B82418 B82417 B82416 B82415 1 HP	SS1XS-1½ B82422 B82421 B82420 B82419 1-1/2 HP	SS1XS-2 B82426 B82425 B82424 B82423 2 HP	SS1XS-2½ B82430 B82429 B82428 B82428 B82427 2-1/2 HP	
NO.	Description	Useu	3/4 ПР		I-1/2 ПР		2-1/2 ПР	
1	Motor, 115/230V/60 Hz., 1 Phase, ODP	1	B80442	B80443	B80444	B80445	B80445	
1	Motor, 115/230V/60 Hz., 1 Phase, TEFC	1	B80454	B80455	B80456	B80447	B80447	
1	Motor, 208-230/460V/60 Hz., 3 Phase, ODP	1	B80448	B80449	B80450	B80451	B80451	
1	Motor, 230/460V/60 Hz., 3 Phase, TEFC	1	B80460	B80461	B80462	B80463	B80463	
2	Water Slinger	1	17351-0009	17351-0009	17351-0009	17351-0009	17351-0009	
3	Seal Plate	1	C3-200SS	C3-200SS	C3-200SS	C3-200SS	C3-200SS	
4	O-Ring	1	U9-434	U9-434	U9-434	U9-434	U9-434	
5	Shaft Seal*	1	U109-196A	U109-196A	U109-196A	U109-196A	U109-196A	
6	Impeller	1	731S6230	731S6220	731S6210	731S6200	731S6190	
•	Impeller Screw - 1 Phase	1	_	_	_	C30-14SS	C30-14SS	
•	Impeller Screw - 3 Phase	1	C30-14SS	C30-14SS	C30-14SS	C30-14SS	C30-14SS	
7	Casing/Diffuser Assembly	1	723S2990	723S2990	723S2990	723S2990	723S2990	
8	Washer	2	111P0990	111P0990	111P0990	111P0990	111P0990	
9	Stainless Steel Plug	2	121P3780	121P3780	121P3780	121P3780	121P3780	
10	Screw	8	121P0310	121P0310	121P0310	121P0310	121P0310	
11	Nut, M6x1	8	U36-207SS	U36-207SS	U36-207SS	U36-207SS	U36-207SS	
12	Base	1	J104-9F	J104-9F	J104-9F	J104-9F	J104-9F	
12	Base (1 Phase, TEFC only)	1	J104-9A	J104-9A	J104-9A	J104-9A	J104-9A	
12A	Motor Pad	1	C35-5	C35-5	C35-5	C35-5	C35-5	
13	Capscrews, 3/8-16x3/4"	2	U30-72SS	U30-72SS	U30-72SS	U30-72SS	U30-72SS	

* Models B82413, B82414, B82417, B82418, B82421, B82422, B82425, B82426, B82429, B82430 use Part Number U9-437.

• Not illustrated.

BERKELEY LIMITED WARRANTY

Berkeley/Wicor Canada Company ("Wicor") warrants to the original consumer purchaser ("Purchaser") of its products that they are free from defects in material or workmanship.

If within twelve (12) months from the date of installation or twenty-four (24) months from the date of manufacture any such product shall prove to be defective, it shall be repaired or replaced at Berkeley's/Wicor's option, subject to the terms and conditions set forth below.

General Terms and Conditions

Purchaser must pay all labor and shipping charges necessary to replace product covered by this warranty. This warranty shall not apply to products which, in the sole judgement of Berkeley/Wicor, have been subject to negligence, abuse, accident, misapplication, tampering, alteration; nor due to improper installation, operation, maintenance or storage; nor to other than normal application, use or service, including but not limited to, operational failures caused by corrosion, rust or other foreign materials in the system, or operation at pressures in excess of recommended maximums.

Requests for service under this warranty shall be made by contacting the installing Berkeley/Wicor dealer as soon as possible after the discovery of any alleged defect. Berkeley/Wicor will subsequently take corrective action as promptly as reasonably possible. No requests for service under this warranty will be accepted if received more than 30 days after the term of the warranty.

The warranty on all three phase submersible motors is void if three-leg overload protection of recommended size is not used. This warranty sets forth Berkeley's/Wicor's sole obligation and purchaser's exclusive remedy for defective products.

BERKELEY/WICOR SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE APPLICABLE EXPRESS WARRANTIES PROVIDED HEREIN.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

In the U.S.: Berkeley, 293 Wright St., Delavan, WI 53115

In Canada: Wicor Canada Company, 1800 Courtney Park Drive East, Unit 5-7, Mississauga, Ontario L5T 1W1