ABOVE GROUND PUMP POOL 1.5HP 2 SPEED

ITEM: 75113









OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER).

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 0880 MON-FRI 9AM TO 3PM PST

WARNING

GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- **WARNING:** (For cord & plug connected units). Risk of Electrical Shock. Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot
- **WARNING:** (For cord & plug connected units). Do not bury cord. Locate cord to minimize abuse from lawnmowers, hedge trimmers and other equipment.
- **WARNING:** (For cord & plug connected units). To reduce the risk of electric shock, replace damaged cord immediately.
- **WARNING:** (For cord & plug connected units). To reduce the risk of electrical shock do not use an extension cord to connect unit to electrical supply; provide a properly located outlet.
- **CAUTION:** (For pumps with a 25 ft. (7.62m cord). This pump is for use with storable pools only. Do not use with permanently installed pools. A storable pool is constructed so that it may be readily disassembled for storage and reassembled to its original integrity. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.
- **CAUTION:** (For pumps with/without 3ft.(91m cord) or 6ft.(1.82m cord). This pump is for use with permanently installed pools and may also be used with hot tubs and spas if so marked. Do not use with storable pools. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it may be readily disassembled for storage and reassembled to its original integrity.
- Though this product is designed for outdoor use, it is strongly advised to protect the electrical components from the weather. Select a well-drained area, one that will not flood when it rains. It requires free circulation of air for cooling. **DO NOT install in a damp or non-ventilated location.**
- **WARNING:** (For hot tub and spa pumps). Do not install within an outer enclosure or beneath the skirt of the
- **Hazardous voltage can shock, burn, or cause death.** To reduce the risk of electric shock, **DO NOT** use an extension cord to connect unit to electric supply. Provide a properly located outlet. It is required that licensed electricians do all electrical wiring. All electrical wiring **MUST** be in conformance with applicable local and national codes and regulations. Before working on pump or motor, disconnect motor wiring.
- To reduce the risk of electric shock replace damaged cord immediately. **DO NOT** bury cord. Locate cord to prevent abuse from lawn mowers, hedge trimmers and other equipment.

INSTALLATION

INSTALLATION LOCATION

Locate pump as close to pool/spa as possible, preferably in a dry, well ventilated area away from direct sunlight. It should be on a hard, level surface. Give consideration to:

1. Drainage – away from pump.

2. Ventilation of pump motor.

3. Access for future servicing and winterizing.

4. Protection from the elements.

Pumps without strainer bodies are designed for flooded suction (all suction fittings and suction piping below water level) and will not self-prime. Consequently, the pump must be installed at an elevation that is below water level when pool or spa is filled; however, if suction line valves are installed, the pump may be closed for priming. Keep vertical distance to a minimum if you choose to mount pump above water level.
Pumps with strainer bodies are self-priming but should be mounted as close to the water level as possible or below for ease in priming.

GENERAL PLUMBING
FOR SOLVENT WELD CONNECTION

Rigid or flexible PVC pipe can be used. Pipe ends should be clean and free of any flash cause by the cutting operation. Be sure that the proper adhesive is used on the type of pipe specified.
Note: A primer will assure that adhesive joints are superior. Suregard P-3000 has a purple tracer to qualify in areas where codes specify a primer must be used.

CAUTION: We recommend that you consider climatic conditions when applying adhesives. Certain atmospheric situations, such as high moisture content, make adhesive action of certain glues less effective. Check the manufacturer's instructions.

FOR THREADED CONNECTIONS

Use only Teflon tape or equivalent on threaded plumbing connections. Other pipe compounds may damage threads. We do not recommend the use of silicone or petroleum based compounds. DO NOT OVERTIGHTEN – HAND TIGHTEN PLUS ½ TURN IS SUFFICIENT.

PUMP PLUMBING

Suction pipe should be as large or larger that discharge pipe. Avoid using suction pipe small that pump connection. Keep the piping as straight and short as possible, and of suitable size. Avoid connecting an elbow directly into the pump inlet (use a length of straight pipe to allow a proper entry for the water). Arrange horizontal runs to slope upward to the pump to prevent high spots that could form air pockets. Support the pipe independently so that it places no strain on the pump. Keep as much of the suction line as possible below the water level to reduce priming time. Install valves and unions in the pump suction and return lines to facilitate servicing. Valves are recommended for throttling maintenance if the system is installed below deck level. Suction valves are essential for priming all pumps without strainer bodies installed above water level. Pumps with strainer bodies are self-priming, nevertheless, we recommend the use of check valve in the suction pipe at or below the water level if the suction lift is more that five feet or if the dry suction is more that ten feet long. Keep the valve in the suction line fully open during operation.

ELECTRICAL DATA

Refer to information on motor nameplate fo electrical service data. All motors should have fused disconnect switch or circuit breaker. Be sure wire size is sufficient for pump HP and distance from power source. Wiring should be done in accordance with applicable codes by a competent electrician. We recommend the installation of a ground fault circuit interrupter for maximum safety.

OPERATION

PUMP START UP

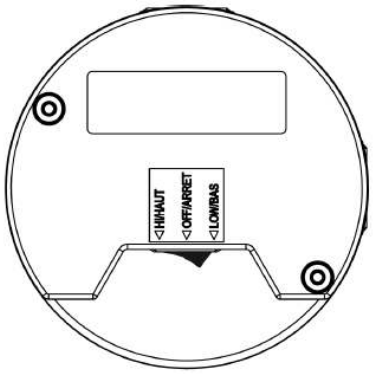
Do not operate pump until it has been primed as water acts to cool and lubricate the seal. For pumps without strainer bodies and locater above water, close suction line valve and fill pump with water in order to prime. For pumps with strainer bodies and located above water, prime by removing strainer cover and filling strainer body with water. Pumps located below water level will selfprime if all piping is also below water level. After pump has been primed, energize motor and open all suction and discharge line valves. It may take some time for pump to remove air from suction lines. If no flow is observed in five minutes, stop the motor and re-prime. If the pump fails to operate, check for air leaks. Refer to Trouble Shooting section.
After about ten minutes of operation, check the return fittings for air bubbles. A continuous flow of air indicates leaks in suction line. Locate and correct any leaks immediately.

CONTROLLING THE OUTPUT

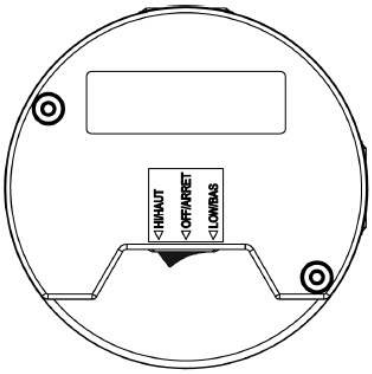
Keep the gate valve in the suction line fully open during operation. Should it be necessary to control the output, use a valve in the return line.
Caution: Do not retighten strainer Ring-Lok during operation.
Caution: Do not operate pump with closed suction or discharge valves.

TWO-SPEED PUMPS

Two-speed models are recommended in a swimming pool when high speed is needed for maximum filtration at peak periods and whenever turbidity levels are high. At other times, switch to low speed. For backwashing and vacuuming, high speed is required. In spas and hot tubs, use high speed to attain full performance in the hydro-therapy mode. At other times, such as filter/heat cycle mode, use low speed. Low speed provides sufficient flow to activate most spa heaters and provides sufficient flow for filtration. In jetted tubs, use high speed to attain full performance in the hydro-therapy mode and use low speed mode to prime. The below picture shows how to switch between the high speed and low speed.



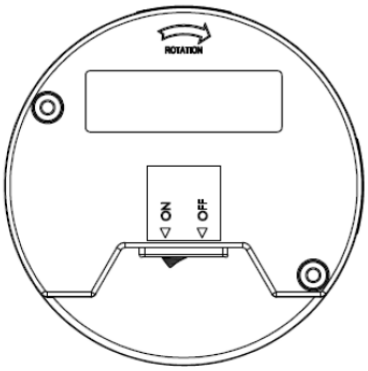
High speed



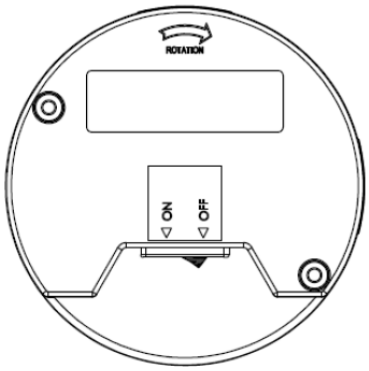
Low speed

ON-OFF SINGLE-SPEED PUMPS

In order to have a safer and quicker start of the swimming pool filtration systems (or pumps), it is very necessa -ry to install ON-FF switch. Without it, every start or shut down need to plug/unplug the power cord, it will cause a lot of safety risks, such as, spark occurs when plug/unplug the power cord and frequent plug/unplug will cause po or contact between plug and socket. The below picture shows how to switch between ON and OFF.



ON



OFF

MAINTENANCE

WINTERIZING

Consult your dealer for advice on winterizing your equipment if freezing temperatures occur in your locality. His knowledge of your equipment makes him/her the best qualified source of information. Follow their recommendations, and if these include draining the filter system, proceed as follows:

1. If your system does not contain a filter, proceed to step2.

A. For sand filters: BACKWASH for 3 to 5 minutes and set dial valve to WINTERIZE.

B. For cartridge filters: Clean the filter element and store in a dry place.

2. Drain system by loosening drain plugs (drain plugs will drain without completely removing the plug from unit) and/or removing pipe caps.

WATER CHEMISTRY

A proper and consistent use of chemicals is necessary to maintain clean, sanitary water, prevent a spread of germ infection and control the growth of algae which can spoil the appearance and enjoyment of your pool or spa. Chlorine is the most commonly used chemical to provide clean, sanitary water. Either dry or liquid chlorine (calcium or sodium hypochlorite) can be used which should be added daily as it is dissipated by dirt and germs as well as be the sun and wind. It is also important that the correct level of acidity or alkalinity of the pool water be maintained. This is the pH of your pool with pH 7.0 being neutral. Readings above 7.0 are alkaline and below are acid. A desirable range is 7.2 – 7.4.

PUMP MAINTENANCE

1. Motors are self-lubricating – no lubrication required.

2. Clean hair & lint strainer if you have a strainer body pump.

3. Visually inspect motor for blockage of air vents on motor shell. Remove any debris after breaker off.

4.Shaft seals may become worn and must be replaced if leakage is observed.

CLEANING

Switch power off. Close valves in suction and return line. Unscrew strainer Ring-Lok counterclockwise and remove the strainer cover from hair and lint strainer and lift out strainer basket. Clean and replace the basket. Take care to seat basket properly. Clean O-Ring and re-lubricate with petroleum jelly if necessary. Clean O-Ring seats on cover and strainer. Refit cover and strainer – hand tighten only – and open valves. Put pump back into operation. Caution: Do not retighten strainer during operation.

SERVICE & REPAIR PARTS

Refer all service to your local dealer as his knowledge of your equipment makes him the best qualified source of information. Order all repair parts through your dealer. Give the following information when ordering repair parts:

1. Unit nameplate data.

2. Description of part.

TROUBLESHOOTING

MOTOR DOES NOT START

1. Disconnect switch or circuit breaker in OFF position.
2. Fuses blown or thermal overload open. Locked motor shaft.
3. Motor windings burned out.
4. Defective starting switch inside single-phase motor 5. Disconnected or defective wiring
6. Low voltage

PUMP DELIVERS NO WATER

1. Pump is not primed
2. Closed valve in suction or discharge line
3. Leakage or air into suction system
4. Impeller clogged

LOW PUMP CAPACITY

1. Valve in suction or discharge line partly closed
2. Suction or discharge line partly plugged
3. Suction or discharge line too small
4. Pump running at reduced speed (see above)
5. Plugged basket in skimmer or hair and lint strainer
6. Dirty filter
7. Impeller clogged
8. Wrong rotation (3 phase only)

NOISY PUMP AND MOTOR

1. Plugged basket in skimmer or hair in lint strainer
2. Worn motor bearings
3. Valve in suction line partly closed
4. Suction line partly plugged
5. Vacuum hose plugged or too small
6. Pump not supported properly

TECHNICAL SPECS

- **Power:** 1.5HP
- **Voltage:** 115/60Hz
- **Speed:** 2
- **Amp:** 12/3.6
- **Low-Speed:** 1750r/min
- **Hi-Speed:** 3450r/min
- **Max Flow:** 4980 GPH
- **Fitting Size:** 1.5NPT
- **Max Section Height:** 40ft
- **Certification:** UL
- **Hardware Required:** Yes
- **Overall Dimension:** 22”(L) x 7-1/2”(W) x 10-1/2”(H)

MOTOR DOES NOT REACH FULL SPEED

1. Low voltage
2. 2 speed model set on low speed
3. Motor windings connected for wrong voltage on dual voltage model.

LOW PUMP PRESSURE

1. Pump running at reduced speed (see above)
2. Wrong rotation (3 phase only)
3. Discharge valve or inlet fittings closed too much

HIGH PUMP PRESSURE

1. Discharge valve or inlet fittings closed too much
2. Return lines too small
3. Dirty filters

LEAKAGE OF WATER AT SHAFT

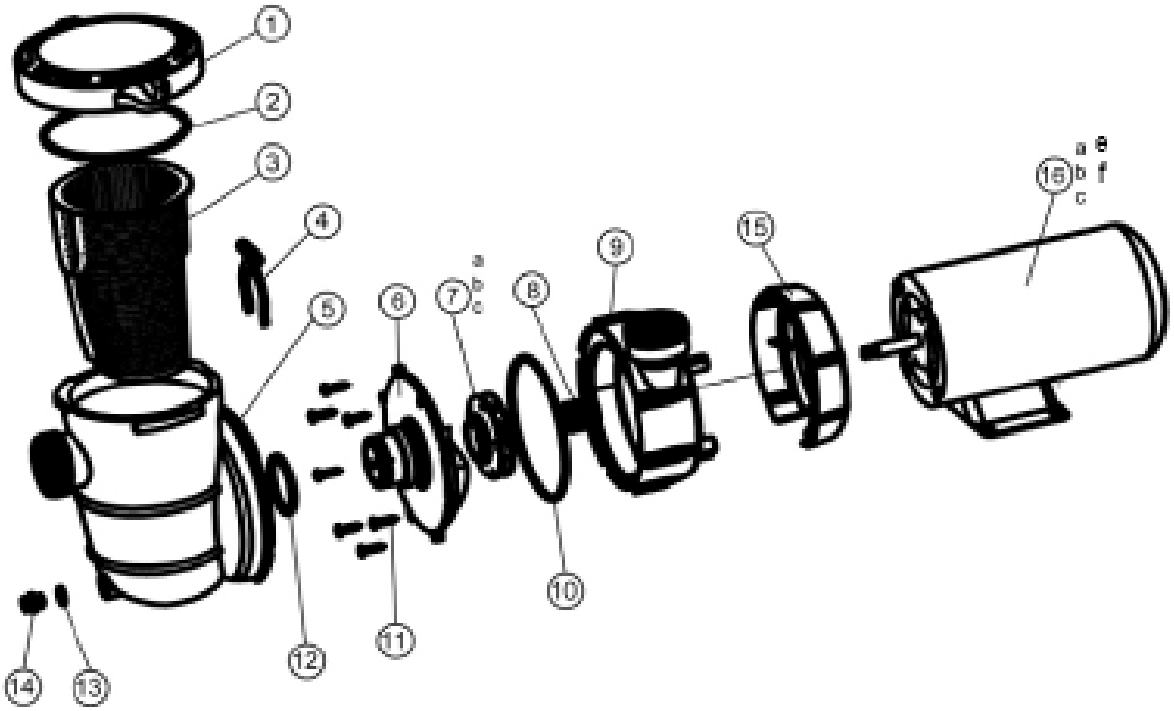
1. Shaft seal requires replacement

AIR BUBBLES AT INLEY FITTINGS

1. Leakage air into suction line at connections or valve stem
2. Cover gasket of hair and lint strainer needs cleaning
3. Restriction in suction line
4. Low water level in pool

NOTE: If the recommendations in the Trouble Shooting portion of this manual do not solve your particular problem(s), please contact your local dealer for service.

PARTS LIST



Ref. No.	Description	QTY
1	Cover	1
2	o-ring	1
3	Basket	1
4	Clip	1
5	Strainer housing	1
6	Pump cover	1
7a	Impeller for 72728	1
7b	Impeller for 72729 / 72729S/72726	1
7c	Impeller for 72730 / 72730S/72727	1
8	Seal assembly	1
9	Pump housing	1
10	o-ring	1
11	Screw ST5.5X25	8
12	O-RING	1
13	gasket	1
14	Drain plug	1
15	Motor mounting plate	1
16a	0.75HP motor for 72728	1
16b	1.0HP motor for 72729/72729S	1
16c	1.5 HP motor for 72730/72730S	1
16e	1.0HP two-speed motor for 72726	1
16f	1.5 HP two-speed motor for 72727	1

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

⚠ SAVE THESE INSTRUCTIONS.

Questions, problems, missing parts?

CALL US

Before returning to your retailer, our exceptional customer service is here to help.

Call Us: 909.628.0880
Email Us: customer@xtremepowerusa.com
Hours of Operation: 9am - 4pm (Monday - Friday)

PRODUCT MADE IN CHINA