

ROPE EYE ASSEMBLY

Owner's Manual



MODEL SP0404

IMPORTANT SAFETY INSTRUCTIONS

Basic safety precautions should always be followed, including the following: Failure to follow instructions can cause severe injury and/or death.

- ▲ This is the safety-alert symbol. When you see this symbol on your equipment or in this manual, look for one of the following signal words and be alert to the potential for personal injury.
- ▲ **WARNING** warns about hazards that **could** cause serious personal injury, death or major property damage and if ignored presents a potential hazard.



- ▲ **WARNING – Read, understand, and follow all instructions in this owner's manual and on the equipment.**
Failure to follow instructions can cause severe injury and/or death.



- ▲ **WARNING – Suction Entrapment Hazard.**

Suction in suction outlets and/or suction outlet covers which are, damaged, broken, cracked, missing, or unsecured can cause severe injury and/or death due to the following entrapment hazards:

Hair Entrapment- Hair can become entangled in suction outlet cover.

Limb Entrapment- A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing, or not securely attached can result in a mechanical bind or swelling of the limb.

Body Suction Entrapment- A negative pressure applied to a large portion of the body or limbs can result in an entrapment.

Evisceration/ Disembowelment - A negative pressure applied directly to the intestines through an unprotected suction outlet sump or suction outlet cover which is, damaged, broken, cracked, missing, or unsecured can result in evisceration/ disembowelment.

Mechanical Entrapment- There is potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of a suction outlet cover resulting in mechanical entrapment.



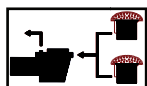
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▲ WARNING - To Reduce the risk of Entrapment Hazards:

- o When outlets are small enough to be blocked by a person, a minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane (i.e. floor or wall), must be installed a minimum of three feet (3') [1 meter] apart, as measured from near point to near point.
- o Dual suction fittings shall be placed in such locations and distances to avoid "dual blockage" by a user.
- o Dual suction fittings shall not be located on seating areas or on the backrest for such seating areas.
- o The maximum system flow rate shall not exceed six feet/sec in the suction line.
- o Never use Pool or Spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
- o Replace damaged, broken, cracked, missing, or not securely attached suction outlet components immediately.
- o In addition two or more suction outlets per pump installed in accordance with latest ASME, APSP Standards and CPSC guidelines, follow all National, State, and Local codes applicable.
- o Installation of a vacuum release or vent system, which relieves entrapping suction, is recommended.



▲ **WARNING** – Failure to remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets can result in an increase potential for suction entrapment as described above.

▲ **WARNING** – Failure to keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material can result in an increase potential for suction entrapment as described above.

▲ **WARNING** – Suction outlet components have a finite life, the cover/grate should be inspected frequently and replaced at least every seven years or if found to be damaged, broken, cracked, missing, or not securely attached.



▲ **WARNING** – Risk of Electric Shock. All electrical wiring MUST be in conformance with applicable local codes, regulations, and the National Electric Code (NEC). Hazardous voltage can shock, burn, and cause death or serious property damage. To reduce the risk of electric shock, do NOT use an extension cord to connect unit to electric supply. Provide a properly located electrical receptacle. Before working on any electrical equipment, turn off power supply to the equipment. To reduce the risk of electric shock replace damaged wiring immediately. Locate conduit to prevent abuse from lawn mowers, hedge trimmers and other equipment. Do NOT ground to a gas supply line.

▲ **WARNING** – Risk of Electric Shock Failure to ground all electrical equipment can cause serious or fatal electrical shock hazard. Electrical ground all electrical equipment before connecting to electrical power supply.

▲ **WARNING** – Risk of Electric Shock Failure to bond all electrical equipment to pool structure will increase risk for electrocution and could result in injury or death. To reduce the risk of electric shock, see installation instructions and consult a professional electrician on how to bond all electrical equipment. Also, contact a licensed electrician for information on local electrical codes for bonding requirements.

SAVE THESE INSTRUCTIONS

VINYL LINER POOLS

1. Drill/cut circular 1" diameter hole in panel.
2. Insert wall anchor fitting thru wall panel and tighten securely to panel with locknut and star washer.
3. Install liner. Fill to several inches below fitting.
4. Locate circular cutting groove guides on face of fitting (behind liner) and trace circle with pencil. Carefully cut out vinyl circle to expose fitting threads.
5. Place plastic washer and gasket on threaded eyebolt and screw eyebolt into fitting. **Do not over tighten.**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SP0404A	EYE BOLT FITTING	1
2	SP0404B	PLASTIC WASHER	1
3	SP0404C	GASKET	1
4	SP0404D	BULKHEAD FITTING	1
5	SP0404E	STAR LOCK WASHER	1
6	SP0404F	HEX NUT	1

WINTERIZING

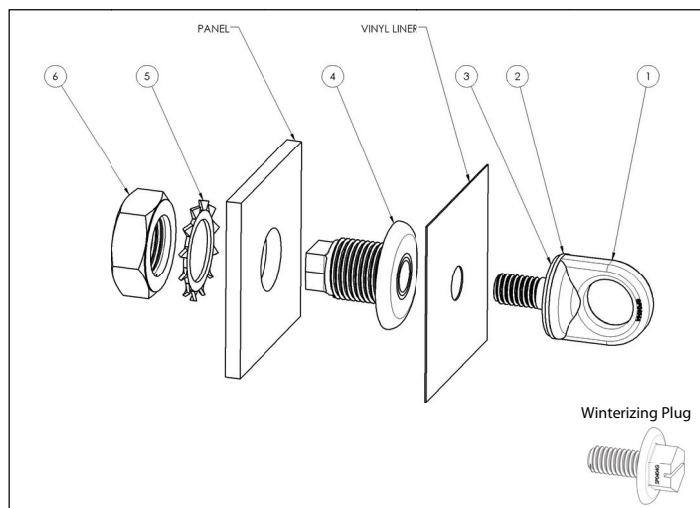
If continuous freeze/thaw conditions are common to your area, and if the fitting is below water level, it is good practice to protect the eyebolt from ice movement forces.

To "Winterize" Eyebolt:

With water level below eyebolt, remove eyebolt and replace with winterizing screw plug. (Be sure gasket and washer are in place). Store the eyebolt in a safe place for use in the Spring.

PANEL-TYPE POOLS WITHOUT VINYL LINERS

Assembly as in Vinyl-Liner Pool instructions above, except the gasket is not required. Use plastic anti-friction washer to make eyebolt removal easier.



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