

SMALL MOUTH SKIMMER

FOR ABOVE-GROUND POOL

Owner's manual



LACUS

⚠ WARNING

To keep your pool safe, clean and sanitary, do not forget to empty the skimmer's basket regularly.

READ AND RESPECT THE INSTRUCTIONS IN THIS MANUAL. FAILURE TO DO SO CAN RESULT IN SEVERE INJURY OR DEATH.

TABLE OF CONTENTS

4	SAFETY INSTRUCTIONS
6	PRE-ASSEMBLY
7	SKIMMER INSTALLATION
8	WATER RETURN FITTING INSTALLATION
9	MAINTENANCE
10	REPLACEMENT PARTS
12	LIMITED WARRANTY



SAFETY INSTRUCTIONS



WARNING

SUCTION ENTRAPMENT HAZARD

The suction in suction outlets that are inadequate, broken, misassembled or missing can lead to many risks.

These risks can lead to severe injuries or even death, and they include the following:



HAIR ENTRAPMENT - Hair can become stuck in a suction outlet or suction outlet cover.



LIMB ENTRAPMENT - A limb inserted in a suction outlet or inadequate suction outlet cover may cause swelling of the limb and/or entrapment.



EVisCERATION / DISEMBOWELMENT - Applying a negative pressure directly to intestines by an unprotected suction outlet or inadequate suction outlet cover may cause evisceration/disembowelment.



MECHANICAL ENTRAPMENT - Suction outlet covers have openings through which jewelry, laces, swimsuits, hair accessories, fingers, toes, and other items can become entangled, leading to the risk of mechanical entrapment.

TO LOWER ENTRAPMENT RISKS:

- A minimum of two suction outlets should be installed for each pump. If suction outlets are small enough to be blocked by one person, a minimum of two functioning outlets per pump must be installed.
- If the two outlets are on the same plane they must be at least 3 feet apart. The distance is measured from the nearest point of each outlet.
- Suction outlets working in pairs must not be in seating areas nor backrest areas.
- Replace immediately any part that is damaged, broken, cracked, missing or inadequately secured with an original Lacus part.
- National, state and local laws and codes must be respected (ASME, APSP Standards, CPSC...)
- According to CPSP and the ICC International Residential Code, a vacuum relief system or a gravity drainage system should be installed.
- Do not use the skimmer if the basket is not installed inside.

⚠ WARNING – If the caps used for pressure tests or winterization are not removed from suction outlets, the risk of entrapment is greatly increased.

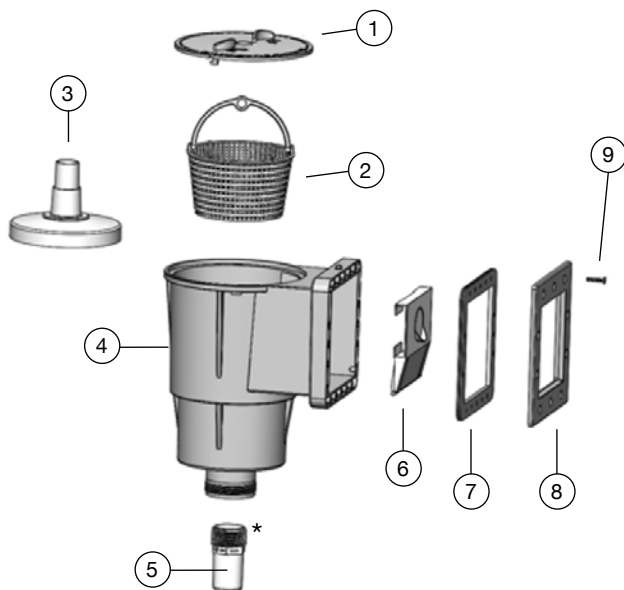
⚠ WARNING – The presence of debris in suction outlets components such as leaves, hairs, paper or other materials augments the risk of entrapment.

⚠ WARNING – Suction outlet components have a finite life. They should be inspected frequently and replaced at least every seven years. Immediately replace any component that is broken, cracked or missing.

⚠ WARNING – Use proper sealant on all fittings before tightening.

WARNING: this product may contain chemicals which are known to the state of California to cause cancer and/or reproductive harm. p65warnings.ca.gov

PRE-ASSEMBLY



* Wrap Teflon tape (not included) around the threads of the hose adapter.

POOL PREPARATION

Before starting the skimmer's installation, make sure that the liner's installation is up to the step where 2' (60 cm) of water are added to the pool. This will ensure the liner is stretched and in the right position.

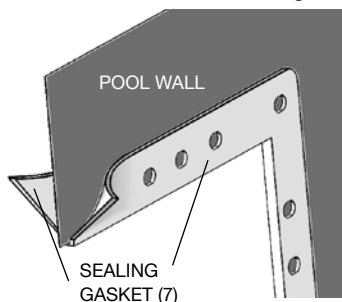
▲ IMPORTANT – *The liner cannot be moved once the skimmer and return holes have been cut. Wear gloves when installing the gasket on the pool wall.*

SKIMMER INSTALLATION

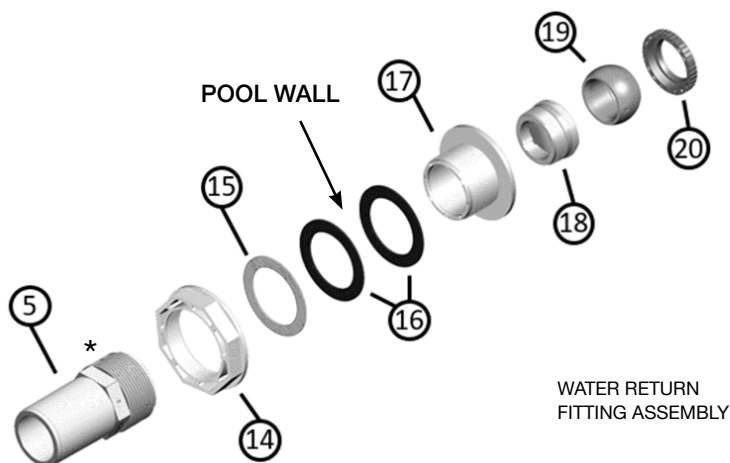
INSTALLATION

Figure 1

1. From outside the pool, insert the **sealing gasket (7)** in the skimmer cut-out in the pool wall. The gasket must cover both the inside and the outside of the wall (Figure 1).
2. Reach over the pool's wall and carefully press the **skimmer front plate (8)** and liner against the sealing gasket and skimmer cut-out.
3. Once the front plate is firmly pressed against the liner in its exact position, pierce the liner with a pointed object, then insert two **flat Quadrex screws (9)** into the holes in the top corners of the plate.
4. Carefully push the screws through the new holes in the liner and through the sealing gasket. Outside the pool, align the **skimmer body (4)** with the protruding screws and lightly tighten them in the adapter.
5. Pierce the remaining holes in the skimmer's front plate through the liner. Insert a **flat Quadrex screws (9)** into each hole in the plate and screw them in lightly. Then, gradually tighten all the screws alternately until they are fully secured.
6. Use the skimmer front plate as a guide and cut the liner with a sharp knife, taking care not to damage the sealing gasket.



WATER RETURN FITTING INSTALLATION



* Wrap Teflon tape (not included) around the threads of the hose adapter.

1. Place one of the **nitrile sealing gasket (16)** over the threads of the **inlet nozzle body (17)** and push the threaded end against the liner through the cut-out water return hole in the wall (from inside the pool toward the outside).
2. Maintain a pressure on the **inlet nozzle body (17)** and cut a small “x” in the liner to pass the threads through the liner. The liner should be tight around the threads.
3. Press the inlet nozzle body’s shoulder firmly against the liner on the wall with the threads protruding outside. Cut the excess liner material obstructing the threads.
4. Insert the second **nitrile sealing gasket (16)** and the **cork sealing gasket (15)** in that order, then screw on the **inlet nozzle flange nut (14)** and hand-tighten to ensure a watertight assembly.
5. Assemble the components of the **directional nozzle assembly (18-19-20)** onto the front of the water return nozzle body. Position the ball fitting’s opening opposite the skimmer opening. Do not overtighten.

WARNING: Water leaks caused by improper installation of the skimmer and/or water return can damage the pool wall and may eventually lead to the collapse of the pool.

MAINTENANCE

RECOMMENDED WINTERIZING PROCEDURE

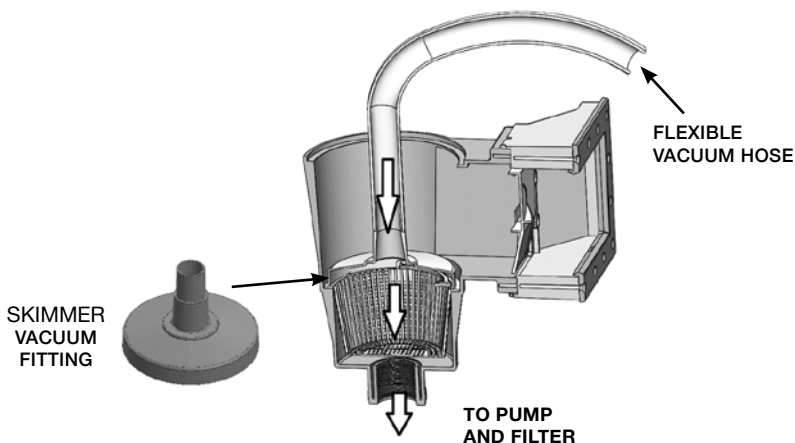
Consult your pool dealer for proper winterizing procedures. Lower the pool water level below the skimmer and return jet openings. In colder climates where temperatures drop below freezing, it is important to use a skimmer winterizing closure plate (sold separately) and a threaded return jet plug (sold separately). Please note that damage caused by ice formation in the skimmer or return jet fitting is not covered under warranty.

SKIMMER DOOR INSTALLATION AND REMOVAL








To remove the skimmer door, squeeze the tabs on the sides of the door and remove it from its grooves. To install it, reverse the process.

USING THE VACUUM

1. Remove the skimmer cover and assemble the handle and vacuum head onto a vacuum hose.
2. Fill the vacuum hose with water by placing it against the water return. Water should flow through the hose.
3. Once the vacuum hose is filled with water (and underwater), attach the **skimmer vacuum fitting (3)** to the free end. In one quick motion, install the vacuum fitting on top of the basket in the skimmer. The suction created by the pump will hold the adapter against the top of the basket.



REPLACEMENT PARTS

Ref	Image	Description	Color	Part #	Qty
1		SKIMMER COVER AG	GREY	140-1033	1
			WHITE	140-1133	
			BLACK	140-1233	
2		TORE KIT SKIMMER BASKET AG	GREY	140-4019	1
			WHITE	140-4119	
			BLACK	140-4219	
3		SKIMMER VACUUM FITTING AG	GREY	140-1030	1
			WHITE	140-1130	
			BLACK	140-1230	
5		1-1/2" PVC SKIMMER HOSE ADAPTOR AG	GREY	140-9116	2
			WHITE	140-9115	2
6		SKIMMER DOOR SUB-ASSEMBLY AG	GREY	140-4020	1
			WHITE	140-4120	
			BLACK	140-4220	
7		SMALL MOUTH SKIMMER SQUARE GASKET SEAL AG		140-0012	1
8		SMALL MOUTH SKIMMER FRONT PLATE AG	GREY	140-1027	1
			WHITE	140-1127	
			BLACK	140-1227	
9		BAG 18X SCREW FLAT QUADREX #12-14 X 1" T/B SS316_SKIMMER AG		160-0021	1
11		BAG 12X SCREW PAN QUADREX #12-14 X 1" T/B SS316_SKIMMER AG		160-0022	1

Ref	Image	Description	Color	Part #	Qty
14		INLET NOZZLE FLANGE NUT AG	GREY	140-2022	1
			WHITE	140-2122	
			BLACK	140-2222	
15		INLET ROUND CORK SEALING GASKET		145-0015	1
16		INLET ROUND NITRILE SEALING GASKET		145-0014	2
17		INLET NOZZLE BODY	GREY	140-2024	1
			WHITE	140-2124	
			BLACK	140-2224	
18		INLET NOZZLE ADAPTER (IG & AG)	GREY	140-2001	1
			WHITE	140-2101	
			BLACK	140-2201	
19		INLET NOZZLE (IG & AG)	GREY	140-2000	1
			WHITE	140-2100	
			BLACK	140-2200	
20		INLET NOZZLE POSITIONING NUT (IG & AG)	GREY	140-2003	1
			WHITE	140-2103	
			BLACK	140-2203	

LIMITED WARRANTY

To original purchasers of this equipment, Lacus Innovations Inc. warrants its products free from defects in materials and workmanship for a period of ONE (1) year from the date of purchase.

Parts which fail or become defective during the warranty period, except as a result of freezing, negligence, improper installation, use, or care, shall be repaired or replaced, at our option, without charge, within 90 days of the receipt of defective products, barring unforeseen delays.

To obtain warranty replacements or repair, defective components or parts should be returned, transportation paid, to Lacus Innovations Inc. For more information, please refer to your Lacus retailer. No returns may be made directly to the factory without the express written authorization of Lacus Innovations Inc.

Equipment that becomes defective during the warranty period, except as a result of freezing, negligence, improper installation, use, or care, or as a result of use in association with an automatic valving system, shall be repaired or replaced, at our option, without charge. All other conditions and terms of the standard warranty apply.

Lacus Innovations Inc. shall not be responsible for cartage, removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

Lacus Innovations Inc. warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

Some states or provinces do not allow a limitation on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty grants you specific legal rights, and you may also have other rights that vary by state or province.



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