



SANDSHARK™

AUTOMATIC VACUUM POOL CLEANER

Installation
& User's
Guide



IMPORTANT:

Please read and follow all instructions carefully. Failures caused by incorrect installation or operation are not covered by the warranty.

CUSTOMER SERVICE / TECHNICAL SUPPORT

If you have questions about ordering Pentair Aquatic Systems replacement parts and pool products, please contact:

Customer Service and Technical Support, Australia

(8 A.M. to 5 P.M. — Eastern Standard Time)

Phone: 1300 137 344

Fax: 1800 006 688

Web site

Visit www.pentairpool.com.au

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IMPORTANT WARNING & SAFETY INSTRUCTIONS



Important Notice:

Attention Installer: This guide contains important information about the installation, operation and safe use of this product. This information should be given to the owner and/or operator of this equipment after installation of the pool cleaner.

Attention User: This manual contains important information that will help you in operating and maintaining this pool cleaner. Please retain it for future reference. Consult Pentair with any questions regarding this equipment.

⚠ WARNING Before installing this product, read and follow all warning notices and instructions which are included. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call 1300 137 344 for additional free copies of these instructions.

Consumer Information and Safety

This pool cleaner is designed and manufactured to provide many years of safe and reliable service when installed, operated and maintained according to the information in this manual. Throughout the manual, safety warnings and cautions are identified by the "⚠" symbol. Be sure to read and comply with all of the warnings and cautions.

⚠ WARNING **HAZARDOUS SUCTION.** Do not play with cleaner or hose or apply to body. Can trap and tear hair or body parts. Hose can trip or entangle swimmers which could result in drowning.



⚠ WARNING **SUCTION ENTRAPMENT, INJURY, AND DROWNING HAZARD.** If your pool has a dedicated suction port ("vac port") for vacuuming or for an automatic pool cleaner, it must be covered when not in use. A spring loaded safety cover (a "vac port fitting") is included with your cleaner. Install it on the suction port to prevent entrapment and injury. If the cover provided does not fit, purchase one that does from your local pool store and install it instead. The cover should conform to IAPMO SPS4-99A.



⚠ WARNING **Stop pump** before attempting to clean unit. Do not allow swimmers in pool while pool cleaner is operating.

⚠ WARNING To reduce the risk of injury, do not let children use or play with pool cleaner.

⚠ WARNING Do not allow swimmers in the pool while pool cleaner is operating. Hose can trip or entangle swimmers which could result in drowning.

⚠ CAUTION Moving parts may injure hands or fingers. Stop pump before attempting to clean out pool cleaner head.

General Installation Information

Pre-Installation Check List

Before installing your cleaner, review and understand all warnings and safety information in this guide. Failure to follow these instructions or improper installation of the cleaner can result in damage to the pool finish or the vinyl liner, Pentair Water Pool and Spa, Inc. disclaims any liability for repairs or replacement to any of these structures or components of the customer's pool.

Before installing the cleaner in a vinyl liner pool:

Check liner closely for signs of deterioration or damage from age, chemicals, pool wall damage, etc. If any damage is found, have a qualified pool professional make all the necessary repairs. Also, if there are stones, roots, etc., under the liner, remove them before installing the cleaner.

Before installing the cleaner in a gunite pool or a pool that is partially or completely tiled:

Repair loose tiles and tighten any loose light rings.

Before installing the cleaner, clean your filter system:

Make sure you have cleaned the filter, including backwashing, rinsing, and emptying all baskets. A clean system is necessary for proper cleaner operation and coverage.

Before installing the cleaner, understand cleaner coverage:

The cleaner is designed to rid your pool of debris in approximately 4-6 hours. Less time could be needed, depending on the pool size. The cleaner was not designed to automatically clean steps or swimouts or to work under a solar cover. It was also not designed to do initial cleanup for a new pool or when opening your pool for the season.

AFTER installing the cleaner, make sure the cleaner is operating correctly:

The cleaner may need some minor adjustments to make sure it is operating properly so there is no damage to the pool finish. Certain vinyl liner patterns are particularly susceptible to surface wear, pattern removal, ink rubbing off of, or serious scratches to the pattern caused by objects coming into contact with the vinyl surface, including automatic pool cleaners. Pentair Water Pool and Spa, Inc. is not responsible for any pattern removal, abrasions or markings on vinyl liners.

IMPORTANT WARNING & SAFETY INSTRUCTIONS

Disclaimer of Liability About your Pool and Cleaner

There are a multitude of factors that contribute to the life of your pool. The pool cleaner is a very passive product that will have no impact on pool life.

Please be aware that over time, deterioration, discoloration and brittleness of any pool finish can be caused separately by, or in combination with, age, an imbalance in pool water chemistry, improper installation and other factors. Suction side pool cleaners, such as the pool cleaner, will not remove or cause wear on "good" pool plaster. In fact, the opposite is true—pool plaster will eventually cause wear on the cleaner.

The same situation holds true for vinyl-lined in-ground swimming pools, because vinyl liners are also affected by the environment and factors such as pool water chemistry, sunlight and the pool's surroundings. Therefore over time, vinyl can become brittle and weak. In addition, vinyl-lined pools are affected by the workmanship, composition and installation of the liner and the workmanship and quality of construction of the supporting walls and pool base. These are all factors which can contribute to liner failure. The existence of any of these type of conditions in your pool is not caused by the use or operation of the pool cleaner. The manufacturer disclaims any liability for repairs or replacement to any of these structures or components of the customer's pool.

The pool owner must assume all responsibility for the condition and maintenance of the pool's surface, water and deck.

Before the cleaner is installed, please take a moment to record the serial number. This number is located under the rear handle of your cleaner. You will be asked for this number when you contact our Technical Support Department.

SERIAL # _____

SAVE THESE INSTRUCTIONS

POOL PREPARATION

Pool Preparation

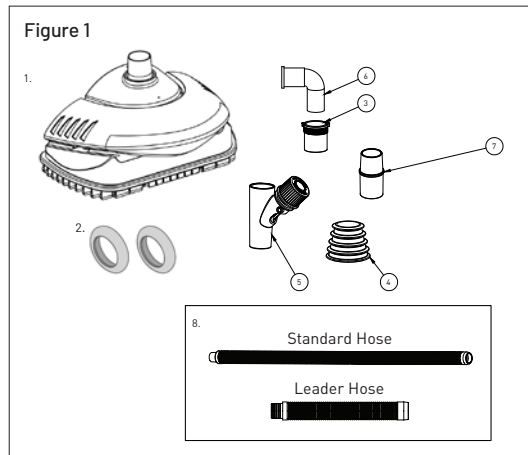
Before installing the SandShark™ Suction Side Pool Cleaner, your pool should be clean and algae-free so as to not inhibit the cleaner's traction. If necessary, make the following preparations before proceeding:

1. Chemically balance the pool water.
2. Brush pool and let the debris settle.
3. Hand vacuum thoroughly.
4. Clean filter and pump strainer basket.

Cleaner Components

Remove the cleaner and all parts from the box. Check to be sure all components are included.

1. SandShark™ cleaner body
2. Hose weights x2
3. Threaded Adaptor
4. Reducer Cone
5. Regulator valve
6. Elbow
7. Flow gauge
8. Hose Set – 11 Sections
 - 10 Standard Hoses
 - 1 Leader Hose



ASSEMBLING THE CLEANER

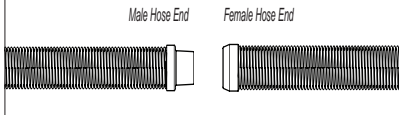
The SandShark™ Automatic Vacuum Pool Cleaner body is shipped as one piece, making cleaner assembly a simple and quick process.

Hose Assembly

For best results and to maintain proper operation, use only original Pentair parts and hoses.

1. To connect the hose sections, wet the ends in the pool water, then twist and push the female ends onto the male ends.

Figure 2



2. Connect the leader hose to the cleaner swivel. See **Figure 3**.

Note: The leader hose is 30 centimeters in length and shorter than the other sections included in the hose set. Failure to use this leader hose section will hinder cleaner performance

3. The hose should reach from where the cleaner is connected to the farthest point of the pool, plus one section and the leader hose.
4. Make sure that all connections are snug.
5. The overall length of hose needed will be determined by the distance from the point at which you attach the hose to the suction port to the furthest point in the pool, plus one length and the leader hose. Refer to **Figure 5**.

Figure 3

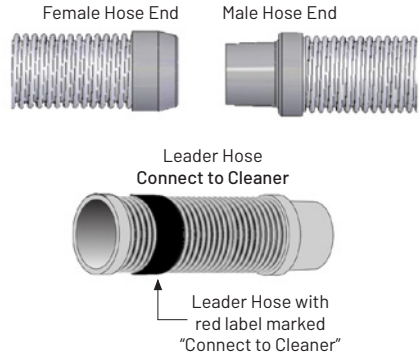


Figure 4

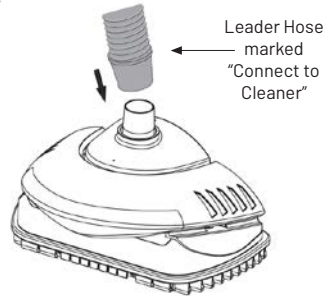
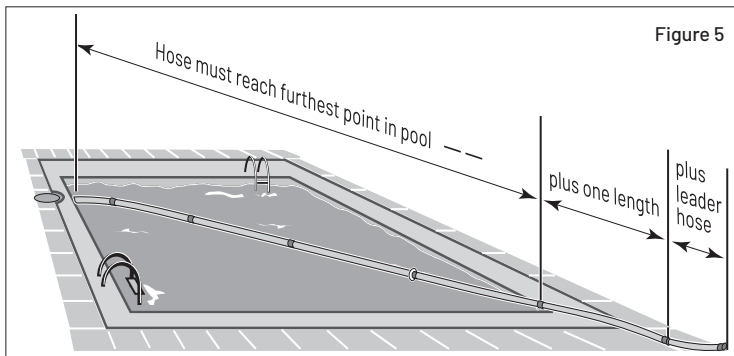


Figure 5



INSTALLING THE CLEANER

Standard Installation

- 1. Turn the pool pump off.
- 2. Close the main drain.
- 3. Connect the hose to the skimmer vac plate as per below instructions:



Pentair MegaSkim and Waterco Skimmer Box

Screw in the threaded adaptor from the top of the skimmer plate



Poolrite Skimmer Box

Screw in the threaded adaptor from the bottom of the skimmer plate

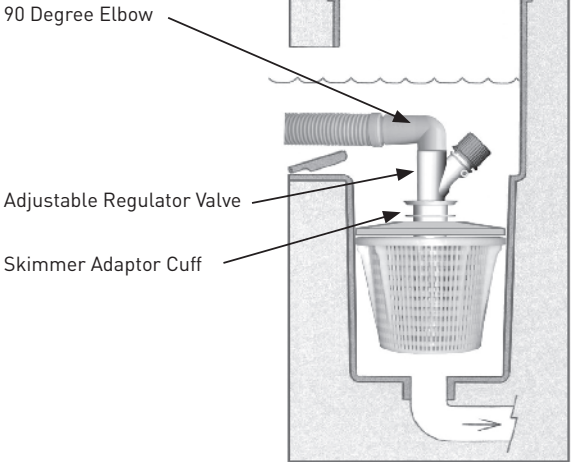


Quipton Skimmer Box

Screw in the threaded adaptor from the top of the skimmer plate

Different Brands of Skimmer Box

Attach; Skimmer Adaptor Cuff into skimmer plate, then attach Adjustable Regulator Valve & 90 Degree Elbow to skimmer plate. Then connect one end of submerged hose into the 90 Degree Elbow.

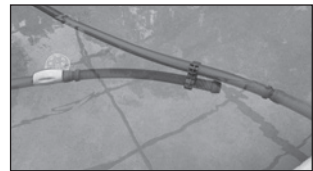
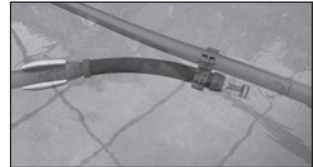
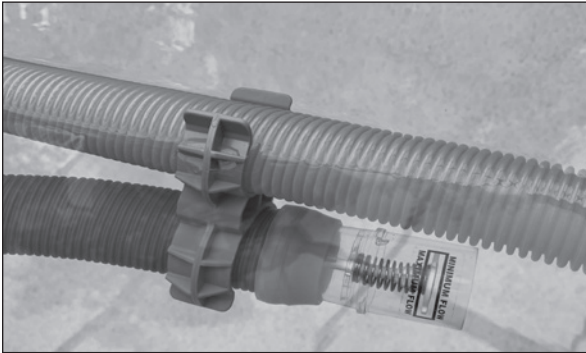


INSTALLING THE CLEANER, CONT'D.

Flow Gauge Instructions

The Flow Gauge is used to fine-tune the performance of your Pentair in-ground, suction side Automatic Pool Cleaner. We recommend that the Flow Gauge be used periodically to check for proper water flow so that your Pentair Automatic Pool Cleaner performs at its best.

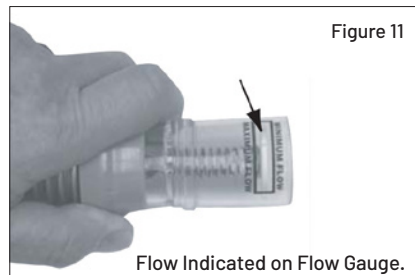
- Step 1 Clean your filtration system, skimmer basket, and pump strainer basket.
- Step 2 With the pool pump in the off position, insert the Flow Gauge to the Hose Cuff end of the Leader Hose. This is the same end that connects to the Automatic Pool Cleaner.
- Step 3 Attach one end of the Double C Clip to the leader hose closes to the Flow Gauge.
- Step 4 Attach the other end of the Double C Clip to the first hose section.
- Step 5 After making sure that the hose & Flow Gauge are submerged below the water level, turn the pump on.
- Step 6 Adjust the water flow so that the indicator lines up between the "Min" and "Max" markings of the Flow Gauge.
Refer to the Installation Manual of your Automatic Pool Cleaner for instructions on using either the valves in the filter system or the Pentair Regulator Valve to adjust the water flow.
- Step 7 Turn off the Pump and remove the Flow Gauge & Double C Clip.
- Step 8 Install the Automatic Pool Cleaner onto the Leader Hose.



Adjust Flow

1. Observe the cleaner performance.

NOTE: If you have a very strong pump and the flow is still too fast, slightly open the main drain.
2. Increase the flow through the cleaner to improve the cleaner's ability to climb the pool walls.
3. Decrease the flow to stop the cleaner from drawing air when it climbs to the water surface.



Flow Indicated on Flow Gauge.

INSTALLING THE CLEANER, CONT'D.

Connect the Hose to the Cleaner

1. Connect the leader hose cuff of the 14" (0.36 m) leader hose to the cleaner (correct end of hose is marked), (see Figure 12).
2. Fill the cleaner with water and let it sink to the bottom, (see Figure 13).
3. Verify hose connections as shown in Figure 14, and that gate valves are fully open in the suction line.

Balancing the Hose

It may or may not be necessary to add weight to your hose, depending on your pool's size, shape, and depth. Try the cleaner first without any hose weights. If the hose is too buoyant, add the weight as shown in Figure 14.

Turn the Pool Pump On

After completing the installation, turn the pool pump on and allow it to run for a couple of minutes to ensure that all air cycles out of the system.

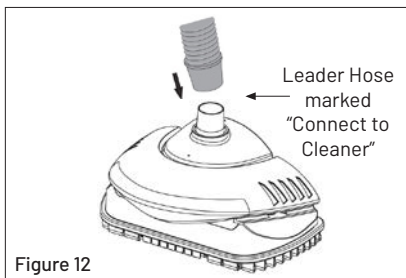


Figure 12

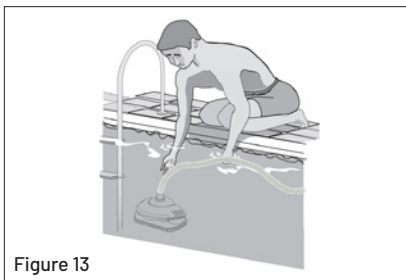


Figure 13

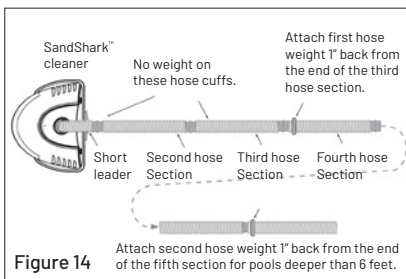


Figure 14

CLEANER ADJUSTMENTS & OPERATION

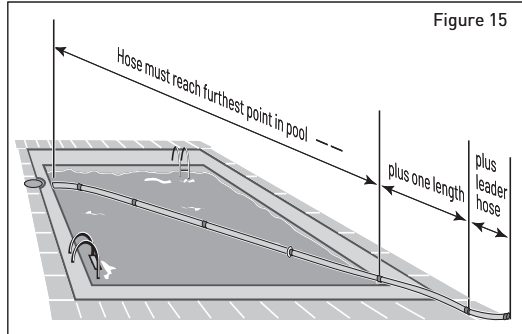
Hose Length

Note: The pump must be on when you check the hose length. The hose contracts when the pump is operating and will be longer when the pump is off.

While the cleaner is operating:

1. Position cleaner at the furthest point of the pool from where it's attached. Use a pool pole and brush to easily position the cleaner in the pool.
2. The hose should be long enough to reach the end of the pool, plus one hose section and the leader hose. See Figure 15.
3. Remove any excess hose lengths from the middle of the hose assembly. This will ensure you do not alter the position of the hose float.
4. Save extra hose sections for use as needed for replacement.

Note: Turn pool pump off when adding or removing hose sections.

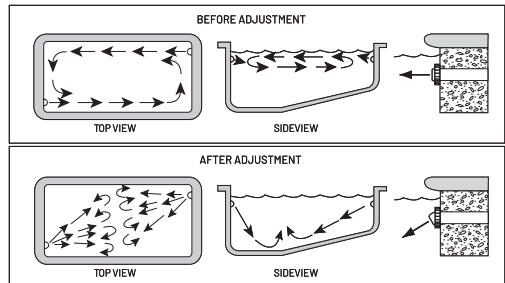


Eyeball Diverter Positions

Position the diverter opening to redirect the return line water flow so it does not interfere with the cleaner's movement. Try different positions to see which works best in your pool:

- flow directed along the side of pool (the tile line).
- flow directed downward.
- flow directed against the hose will help steer the cleaner away from obstructions such as stairs and ladders.

After installing the eyeball diverter, turn the pool pump on. The cleaner should begin moving across the pool floor vacuuming up debris in its path.



CLEANER ADJUSTMENTS & OPERATION

This section contains information describing the movement and operation of your SandShark™ cleaner, as well as tips for “fine-tuning” your pool’s valves and connections to optimize the SandShark’s cleaning ability.

Cleaner Operation and Movement

Clicking sound

This is the sound of the oscillator moving back and forth in the oscillator chamber. The best speed for it is about 500 oscillations per minute. The vibration created by the oscillator moves the cleaner. If the oscillator is running too fast, the cleaner will have a tendency to climb up the pool wall past the waterline, or “walk out of the pool” and suck air. Reduce the speed by adjusting the vacuum regulator in the skimmer.

Movement Around the Pool

Random Motion

The cleaner will visit most spots in the pool within a six (6) hour period. It is not specifically programmed, and cannot see the dirt you are seeing. It is a random motion pattern.

The cleaner was designed to spend most of its time in the deep end, where most of the floor and wall area exists. During a six (6) hour period, the cleaner will visit the shallow end a few times.

Picks Up “Big Stuff”

The cleaner will pick up some debris so large that it may jam. Simply stop the pump and remove the debris from the oscillator.

Fine-tuning Valves and Connections

⚠ WARNING Pool pump suction is hazardous and can cause entrapment with severe personal injury or drowning. Use the vacuum regulator (see following instructions) in pool cleaner system at all times.

NOTICE: Each pool’s hydraulic system and vacuum connections are different. Be sure you have installed the **vacuum regulator** before you “fine-tune” the system. This not only regulates vacuum, but also acts as a safety device.

⚠ WARNING Suction entrapment, injury, and drowning hazard. If your pool has a dedicated suction port (“vac port”) for vacuuming or for an automatic pool cleaner, it must be covered when not in use. A spring loaded safety cover (the “Vac Port Fitting”) is included with this pool cleaner. Install it on the vac port to prevent entrapment and injury. For details please refer to the Vac Port Fitting instruction sheet included with your cleaner.

For the NOVICE POOL OWNER for whom pool vacuuming is a new experience, please read all of the following points, installation instructions, and trouble shooting guide carefully. Please note the following:

- “Vacuum” and “suction” are two words meaning the same thing.
- “Dedicated suction line”, “vac port”, and “vac fitting” are different terms for a hole in the side wall of pool; this hole is connected to the pump suction and is dedicated to vacuuming.
- Some pools do not have a vac port. If your pool does have one, please read the “Suction Entrapment” warning on page 9.

For the **SEASONED POOL OWNER:** The automatic pool cleaner connection and vacuum flow adjustments can be similar to using your manual pool vacuum. Please read on.

CLEANER ADJUSTMENTS & OPERATION

Valves (Pump, Skimmer, and Main Drain) and Vacuum Adjustments

You may need to spend some time adjusting the skimmer and main drain valves in order to obtain the best vacuum setting for good cleaner operation. Once you have found the correct valve settings for best operation, we suggest you mark the valves to ensure repeated success.

At first, set valves to give maximum vacuum to the skimmer or vac fitting you have elected to use.

Too Much Vacuum Flow?

You have too much vacuum if the cleaner climbs up the pool wall past the water line to the point that the cleaner sucks air and the pump loses prime. Frequent loss of prime will damage the pump. To correct this, adjust the regulator by turning the adjustment knob counterclockwise. This will decrease the suction. If the cleaner still climbs out and sucks air, open the main drain valve slightly.

Not Enough Vacuum Flow?

You don't have enough vacuum if the cleaner does not climb the pool walls, moves sluggishly, or not at all. Be sure the filter system is clean and the regulator and all valves are adjusted to give you maximum vacuum. If the cleaner is still not moving, your pump may not be strong enough to operate the cleaner. Please refer to the "Troubleshooting Section" on page 13.

In-Line Leaf Canisters

If your pool is exposed to large quantities of leaves, we suggest purchasing and installing an in-line leaf canister (P/N R211084K). A leaf canister will provide more debris-loading capacity and also provides a water by-pass when the canister is full. It is very important that the pump not starve for water!

Dedicated Suction Line / Vac Port / Vac Fitting

Some pools have a dedicated wall fitting just for vacuuming. If the wall fitting connection is used, you may notice that the clear pump lid shows signs of bubbles or what appears to be the presence of air. To eliminate this, slightly open the main drain valve to supplement the water intake. The cleaner may slow down a bit when you change the suction.

Skimmer Vac Plates

Some pool owners connect the hose to a skimmer vac plate, which allows the skimmer basket to remain in the skimmer. If this method is used, empty the basket frequently. Also make sure that the vacuum regulator provided is completely submerged so that it will not suck air and damage the pump.

Skimmer Vac Plate Vacuum Control Adjusters

Some pool owners use one of a variety of manufacturer's skimmer vac plates. Some have a vacuum control adjuster, and some do not. The adjuster could be a screw-type, a spring loaded apparatus, or a dial design. For those vac plates with adjusters, it is important to adjust them when fine tuning the vacuum for the cleaner.

MAINTENANCE

This section describes the service and maintenance of the of your SandShark™ cleaner.

⚠ WARNING Hazardous suction. Suction through the SandShark™ can entrap bathers, causing severe injuries or drowning. Do not operate the SandShark™ cleaner while people are using the swimming pool. Do not allow anyone to play with the SandShark™ or its hoses.

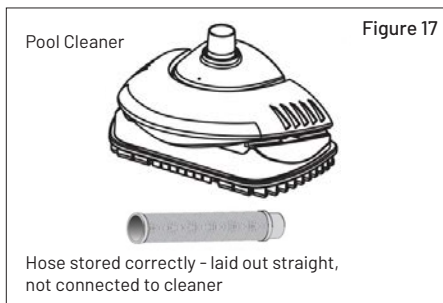
The SandShark™ requires almost no maintenance. Manually open and close the regulator valve from time to time to flush away accumulated dirt and debris and ensure smooth operation. Also, from time to time, visually inspect the SandShark™ to be sure that:

- The oscillator moves freely and is not obstructed by debris.
- The vacuum pad is not excessively worn. When the traction pads on the bottom have worn down, it's time for replacement.
- Keep skimmer basket and pump strainer basket clean and free of debris.
- Remove the pool cleaner from the pool before super chlorinating (shocking) or chemical balancing. Wait at least four hours after the chemical procedure before reinstalling the cleaner.
- If cleaner jams with large debris (leaves, sticks, etc.), clean the debris from bottom of unit.
- When people are using the pool, disconnect the SandShark™ and pull it to one side of the pool.

Hose Storage

NOTICE: When storing the SandShark™, do not coil the hose. Instead, lay it out straight and flat in an area protected from direct sunlight. Use only a genuine SandShark™ hose. The warranty is void if the cleaner is operated with another hose other than a genuine SandShark™ hose.

- Do not coil the hose. Remove the hose from the cleaner when removing the cleaner from the pool. Store the hose flat and straight.



- Don't store the cleaner with the hose connected to the cleaner body or with the hose coiled. To do so will cause the hose to take a set or kink over a period of time. When reinstalled in the pool, the hose will tend to stay coiled and will cause the cleaner to malfunction.
- If the hose has taken a set, uncoil it as far as possible without damaging it and lay it out in the sun for several hours to straighten itself. Once it has relaxed and straightened out, store it laid out flat and straight (no coiling).

MAINTENANCE

Disassembly

1. With a screwdriver, carefully work the rubber vacuum pad down over the lip of the Outer Housing, (see Figure 18).
2. Lift the Outer Housing straight up off of the chassis. (see Figure 19).
3. Squeeze and pull the Sprocket Clips to release the Drive Shaft Assembly and Center Sprocket, (see Figure 20).
4. Pull the Oscillator Straight out from the bottom of the Outer Housing. Be careful not to lose the Sliding Seals, (see Figure 21).
5. Squeeze the latching tabs and pull up on the Swivel Housing and Swivel. The assembly will come up, releasing the Swivel Sprocket. Squeeze the latching tabs to remove the Clutch Clip, (see Figure 22).
6. Remove the Shaft Plug with the stainless steel shaft and the Large Steering Drive Assembly, (see Figure 23).
7. Remove the Oscillator Sleeve, releasing the Oscillator Sleeve Bushing and the Clutch assembly, (see Figure 24).
8. If you need to replace the bumper, turn the housing/ bumper assembly upside down and remove the two flex snaps holding the bumper to the housing, (see Figures 25 & 26). Use a piece of $\frac{1}{2}$ in. (inside diameter) PVC pipe to slide over the flex snap ends to squeeze the flex snaps together so they can be slid out of the housing. Use a pair of pliers to pop the flex snaps off of the bumper.

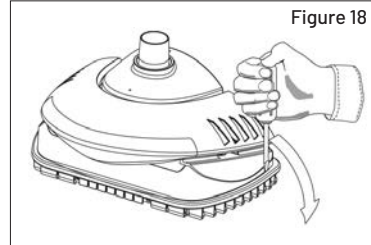


Figure 18

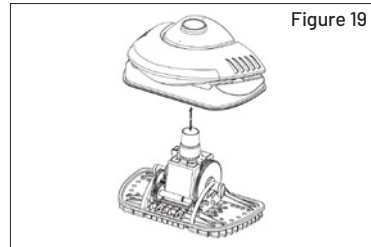


Figure 19

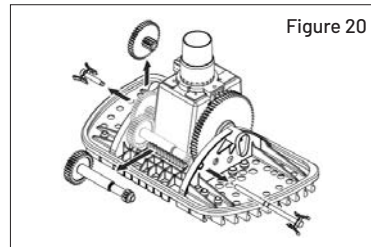


Figure 20

Reassembly

To reassemble the SandShark™, reverse the steps above.

NOTE: The notch on the center disk of the Large Steering Drive Assembly must be down (as shown in Figure 25) for assembly.

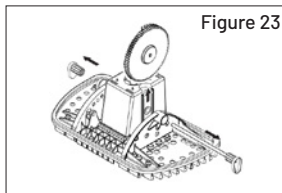


Figure 23

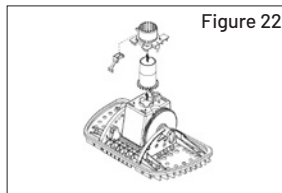


Figure 22

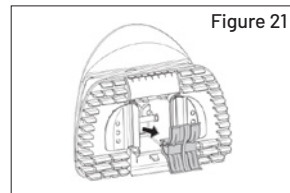


Figure 21

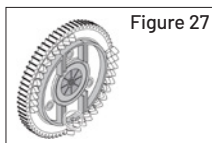


Figure 27

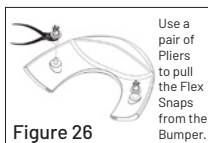


Figure 26

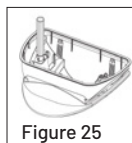


Figure 25

Use a piece of $\frac{1}{2}$ in. PVC pipe (inside diameter) to push the Flex Snaps out of the Housing.

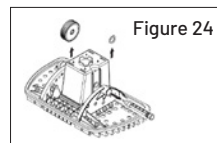


Figure 24

TROUBLESHOOTING

This section describes the service and maintenance of the of your SandShark™ cleaner.

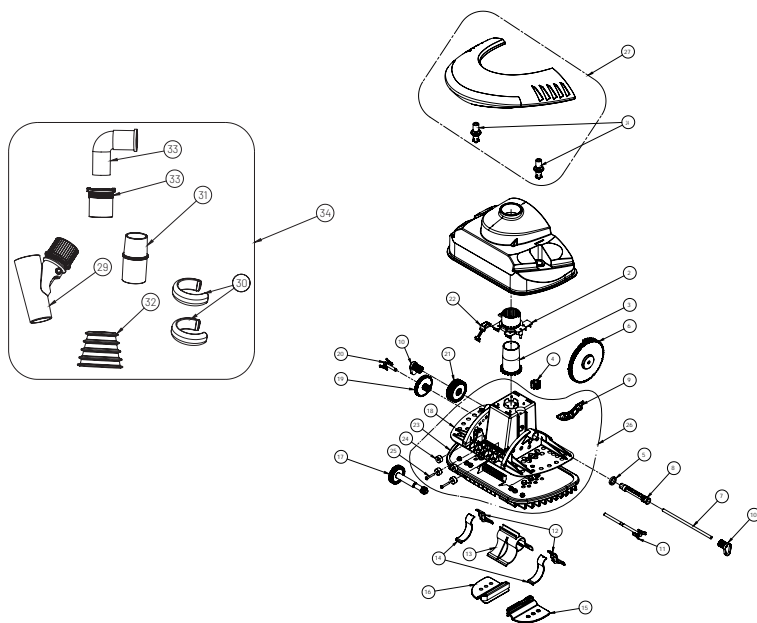
PROBLEM	CORRECTIVE ACTION
<p>SandShark™ moves slow or fails to climb walls: Dirty Filter – Dirty basket in pump hair and lint strainer – Debris blocking the bottom of the SandShark™ – Leaks in the hose – Debris in the regulator – Low vacuum through the cleaner –</p>	<p>Clean the filter. Clean the basket. Remove the Debris. Remove the leaky section. Clean the regulator valve. Close the main drain.</p>
<p>SandShark™ doesn't move or pulsates slowly or doesn't climb pool walls properly:</p>	<p>Make sure that the main drain and all other suction lines are closed except the suction line to which the SandShark™ is attached.</p> <p>Check for sufficient flow through cleaner hose.</p> <p>Check for debris in the filter or the pump strainer basket.</p> <p>Check for debris in the SandShark's oscillator. Debris may prevent oscillator movement or restrict the flow through the cleaner.</p> <p>Check the oscillator for: damage; lost seals (there should be 4 seals); obstructed seals (seals should slide freely on the oscillator).</p> <p>Be sure that the short, soft flexible leader hose section is the first section in the hose assembly (next to the cleaner).</p>
<p>SandShark™ climbs pool wall to water surface and sucks air:</p>	<p>Reduce water flow through cleaner, see Adjust Flow on page 6 or 8.</p>
<p>The water flow from the return line can push the SandShark's hose, causing the SandShark™ to steer away from the return line or to remain in one area of the pool. To correct this, adjust your existing return line diverters or install the eyeball diverters supplied with the SandShark™</p>	<p><i>To install the eyeball diverter as follows:</i></p> <ol style="list-style-type: none"> A. Turn off the main circulation pump. B. Unscrew the lock rings from the pool's return line fittings and remove the original eyeball diverters. C. Replace them with the SandShark's eyeball diverters. D. Replace the lock rings and tighten them. Be sure that the openings of the eyeball diverters point down (6:00 o'clock position) or to the side (3:00 or 9:00 o'clock positions), before fully tightening the rings. Usually, directing the return line water flow against the side of the pool (as described above) works best. However, you may want to try pointing the flow downward or in different positions to see which works best in the pool. After installing the eyeball diverter, turn the circulation pump on. The SandShark™ should begin moving across the pool floor, vacuuming up the debris in its path. E. If the SandShark's eyeball diverters do not fit your existing return line fittings, adjust your existing fittings as best you can as described above.

TROUBLESHOOTING

PROBLEM	CORRECTIVE ACTION
<p>If the SandShark™ tracks in a repetitive pattern:</p>	<p>Check the pool return line water flow and redirect it as necessary with a return line eyeball diverter (see "To install the eyeball diverter", on page 15).</p> <p>Check the SandShark's hose to be sure that it has not become bent or kinked. Do not coil the hose, as it will retain the coiled shape and reduce the cleaning coverage.</p> <p>To check the hose, lay each hose section flat on the pool deck (or another flat surface) and look down the length of the hose. It should be perfectly flat and straight. Replace any sections which are bent or kinked.</p> <p>Check the oscillator for: damage; lost seals (there should be 4 seals); obstructed seals (seals should slide freely on the oscillator).</p> <p>Be sure that the short, soft flexible leader hose section is the first section in the hose assembly (next to the cleaner).</p>

SAVE THESE INSTRUCTIONS

REPLACEMENT PARTS



ITEM	P/N	DESCRIPTION
	GW7910	STEERING KIT (INCL. KEY NOS. 2, 3, 4 & 22)
2		SWIVEL HOUSING
3		SWIVEL
4		SWIVEL SPROCKET
22		CLUTCH CLIP
	GW7503	CLUTCH KIT (INCL. KEY NOS. 5, 8 & 21)
5		OSCILLATOR SLEEVE BUSHING
8		OSCILLATOR SLEEVE
21		CLUTCH ASSEMBLY
	GW7504	GEAR KIT (INCL. KEY NOS. 6, 10, 11, 17, 19 & 20)
6		LARGE STEERING DRIVE ASSEMBLY
10		SHAFT PLUG
11		LONG SPROCKET CLIP
17		DRIVE SHAFT ASSEMBLY
19		CENTER SPROCKET
20		SHORT SPROCKET CLIP
	GW7912	OSCILLATOR KIT (INCL. KEY NOS. 12, 13 & 14)
12		SMALL SLIDING SEAL
13		OSCILLATOR
14		LARGE SLIDING SEAL

ITEM	P/N	DESCRIPTION
	GW7913	SEAL FLAP KIT (INCL. KEY NOS. 15 & 16)
15		RIGHT SEAL FLAP
16		LEFT SEAL FLAP
OTHER		
23	41201-0227W	FOOT PAD (WHITE)
26	41201-0242W	CHASSIS WITH PAD
27	GW7902	BUMPER WITH FLEX SNAPS
24	GW7904	FLEX SNAPS KIT
NOT SHOWN		
	GW7911	SHORT LEADER HOSE
	BS59610	SUCTION HOSE, 1 METER SEGMENT
34	K-ACCY-BAG	ACCESSORY KIT
29	K1026	REGULATOR
30	K1053	HOSE WEIGHT
31	K1027	FLOW GAGE
32	K1023	REDUCER CONE
33	K1061	ELBOW AND THREADED ADAPTER KIT

WARRANTY INFORMATION

TERMS AND CONDITIONS APPLICABLE IN AUSTRALIA AND NEW ZEALAND

Pentair warrants that, subject to the full terms and conditions included with the product, when used for the purpose for which it was designed, it will be free of material and manufacturing defects at the time of the original purchase. Any defects found in the products should be reported as soon as the fault is discovered.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

**YOU MUST CAREFULLY READ THE INSTRUCTIONS
SUPPLIED PRIOR TO USING ANY PENTAIR PRODUCT.**

2-YEAR WARRANTY

Pentair warrants the product to be free from defects in material and/or workmanship for a period of 2-years, from the original purchase date. If a unit is deemed to be defective in material and/or workmanship, subject to the full terms and conditions included with the product, Pentair will provide a complete replacement head or repair parts as Pentair deems suitable.

What the Warranty Does Not Cover:

1. **Wear and Tear** – The SandShark™ cleaner is designed with all components made of materials selected for maximum performance and durability. However there is expected wear and tear of certain components, which is normal. For example; foot pad, drive shafts, oscillator and gears will all degrade when operated with additional use or in harsher chemical environments than intended. For these components, it is expected the user replaces as frequently as is necessary. Contact your Pentair retailer for replacement parts.
2. **Physical Damage** – Warranty is not provided for physical damage caused to the SandShark™ unit as a result of lack of care in handling or of mis-use. The SandShark™ cleaner is not a toy and should not be operated or played with by children. The cleaner should not be operated with people in the pool. Any damage that occurs to the cleaner in the pool as a result of obstacles or obstructions will not be covered by warranty.
3. **Pool Chemistry** – Warranty is not provided for damage or wear which is the result of poor pool chemistry. Pool chemistry should be maintained within limits below and the cleaner should be removed from the pool during shock treatments.
 Chlorine: 1-4ppm (2-3ppm ideal)
 pH: 7.2-7.8 (7.4-7.6 ideal)
 Total Alkalinity: 60-180ppm (80-100ppm ideal)
 Calcium Hardness: 150-500ppm (200-400ppm ideal)
 Heavy Metals (Ag, Cu): None
4. **Incorrect Operation** – Warranty is not provided for damage or wear which is the result of operation not in accordance with the instructions provided.

PLEASE REFER TO THE "PENTAIR WARRANTY TERMS AND CONDITIONS" DOCUMENT
(INCLUDED WITH THE PRODUCT) FOR FULL WARRANTY TERMS AND CONDITIONS

NOTES



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