



PoolShark®

Automatic Pool Cleaner



Installation and User's Guide

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

Customer Service

If you have questions about ordering Pentair replacement parts, and pool products, please use the following contact information:

Customer Service (8 A.M. to 5 P.M. — Eastern and Pacific Times)

Phone: (800) 831-7133

Fax: (800) 284-4151

Technical Support

Sanford, North Carolina (8 A.M. to 5 P.M. — Eastern Time)

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Moorpark, California (8 A.M. to 5 P.M. — Pacific Time)

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Web site

visit *www.pentairpool.com* or *www.staritepool.com* to find information about Pentair products



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IMPORTANT SAFETY PRECAUTIONS



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 Water 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 (800) 831-7133 for additional free copies of these instructions.

Consumer Information and Safety

The PoolShark® pool cleaners are 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 — **Stop pump** before attempting to clean unit. Do not allow swimmers in pool while pool cleaner is operating.



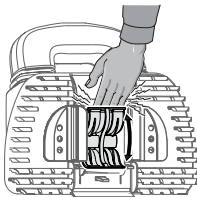
WARNING — To reduce the risk of injury, do not let children use or play with pool cleaner.



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 — Oscillator 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.

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, fill the hose with water:

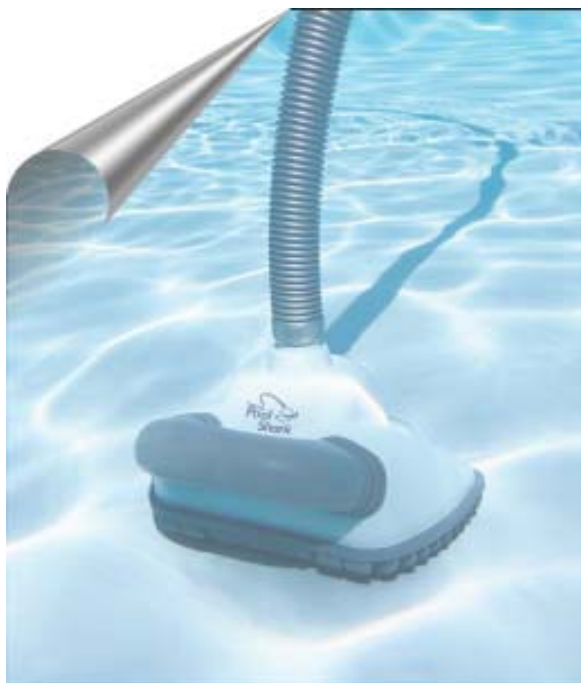
Always make sure the cleaner head is submerged and the hose is full of water before connecting the hose to the filtration system (whether through a skimmer or dedicated wall fitting). Air in the system can damage the pump through dry running and overheating.

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.



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.



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Section 1

Overview

The PoolShark® Overview

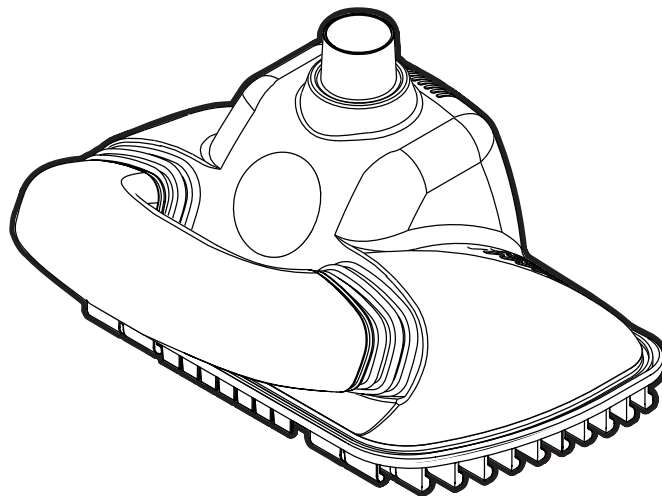
Powerful two-way cleaning...hands free

Now there's an easier, more thorough way to clean your inground pool. Remove PoolShark® from the box, attach the hose, place it in the water and watch it attack dirt as it prowls around the bottom and to the waterline of your pool.

Two-way cleaning action - vacuum pad contains multiple rows of squeegee-like fins that scrub and dislodge stubborn dirt, while the flapper assembly and vortex chamber create a powerful suction effect to easily vacuum away small and large debris.

Plug and play and walk away

This is the "Plug and Play" cleaner you've been waiting for. With PoolShark®, automatic is really automatic. It steers itself to completely clean all surfaces and avoid hang-ups in corners or near steps or ladders.



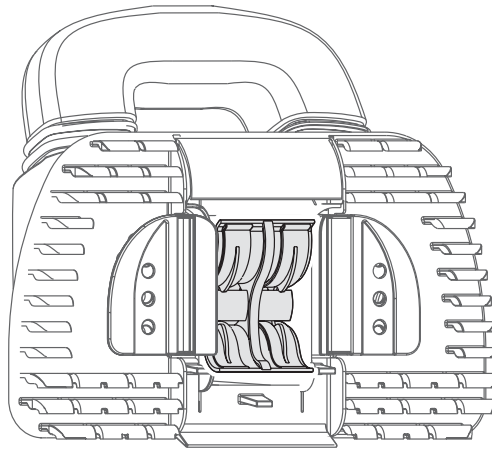
PoolShark® Automatic Pool Cleaner

General Features

- Two-way cleaning action - vacuum pad contains multiple rows of squeegee-like fins that scrub and dislodge stubborn dirt, while the flapper assembly and vortex chamber create a powerful suction effect to easily vacuum away small and large debris.
- No need to buy, install or operate an expensive booster pump - works with your existing filtration system.
- A complete system - includes hose, vacuum regulator valve, hose weight, eyeball diverter, and Vac Port door fitting.

Additional Features:

- Automatic valve regulates water flow to set optimum travel speed for consistent cleaning of the entire pool surface.
- Wide body design allows PoolShark® to cut a broad 12" path for speedy completion of its cleaning chores.
- Consumes no additional energy - it works when your existing pool circulation system runs.
- No bags or compartments to empty, all debris goes to your filtration system...where it belongs.
- Installs in minutes without tools.
- Performs flawlessly in gunite, fiberglass, tile or vinyl pools.



Rows of squeegee-like fins scrub and dislodge stubborn dirt so it can be vacuumed away.

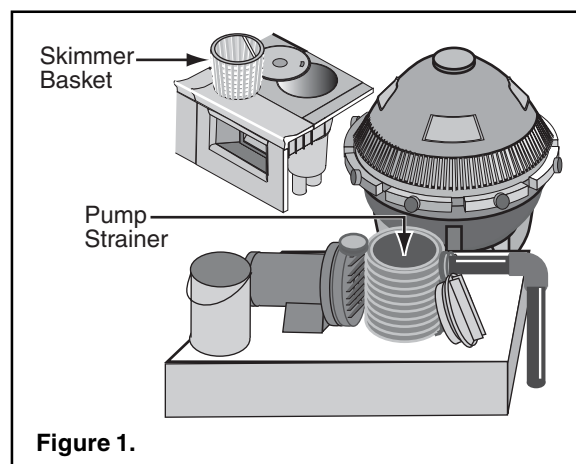
The following general information describes how to set-up your PoolShark® automatic pool cleaner.

NOTE: Before setting up this product, read and follow all warning notices and instructions starting on page ii.

Preparation of your pool

Before you assemble and install your PoolShark® automatic pool cleaner, you should make sure that your pool is clean and free of algae. If necessary, make the following preparations before proceeding:

- Chemically balance the pool water
- Brush the pool and let the debris settle
- Hand vacuum the pool thoroughly
- Backwash and clean the filter and clean the pump strainer basket, (see Figure 1)
- Start the pump

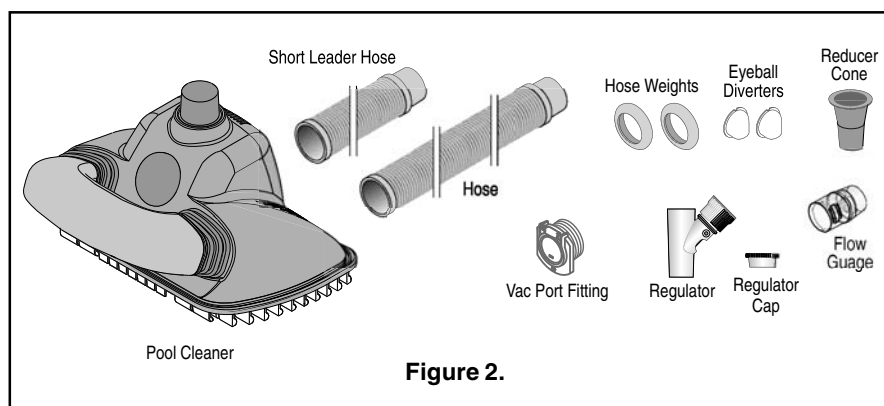


Cleaner Assembly

Check Parts

Remove the PoolShark® and all of its parts from the box and check to make sure that all components were included, (see Figure 2).

- Pool Cleaner
- Short Leader Hose (1 Length, 0.36 Meter)
- Hose (10 Lengths, 1 Meter Each)
- Hose Weights (2)
- Eyeball diverters (2)
- Reducer Cone
- Vac Port Fitting
- Regulator
- Regulator Cap
- Flow Gauge



Hose Assembly

Connect the Hose Sections (Figures 3 and 4).

For best results and to maintain proper operation, use only original hoses, or direct replacements, (see Replacement Parts page).

1. A special “leader” hose section (12 inches long) is designed to connect to the cleaner and is marked with a **red label**, (see Figures 3 & 4). Failure to use this leader hose section to attach the hose to the cleaner will hinder your cleaner’s performance.
2. Connect the hose sections by twisting and pushing the female ends onto the male ends after wetting the ends in the pool, (see Figure 5).
3. Make sure the connections are snug. The number of lengths that you will need depends on the size of your pool.
4. The overall length of hose needed will be the distance from:
 - (a) the point at which you will attach the hose to the suction connection, to (b) the furthest point in the pool from, (c) plus one hose length, (d) plus leader hose, (see Figure 6).
5. Submerge the hose so it fills with water and expels air from the hose. Attach one end of the hose to the vacuum source as described in **Section 3, Installation**. Keep the other end of the hose accessible.

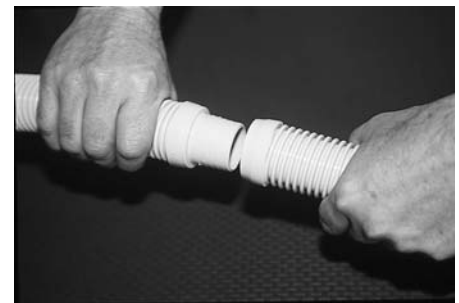
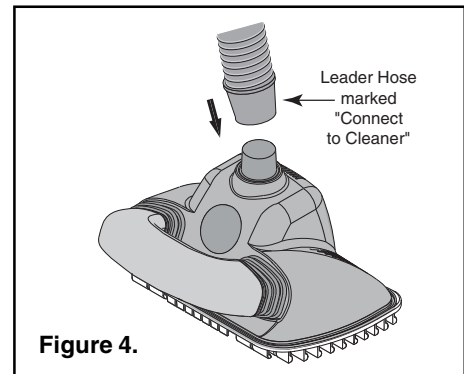
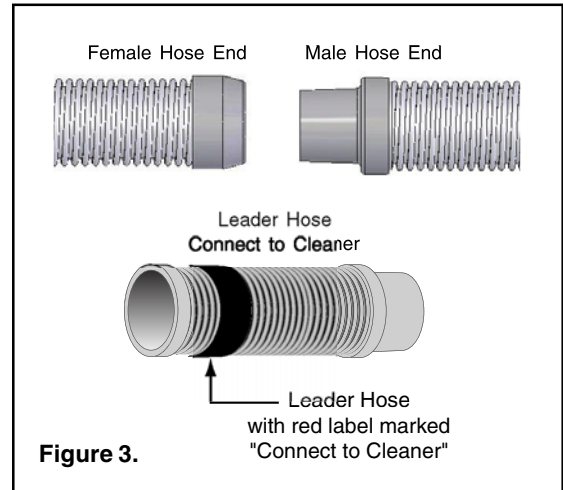
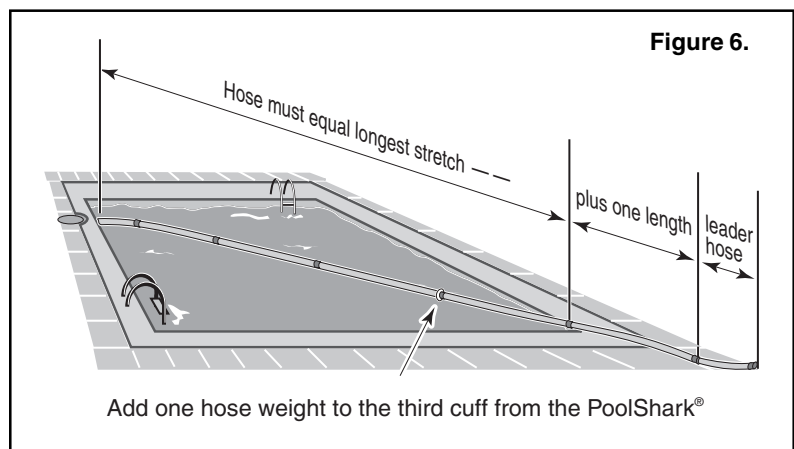


Figure 5.



Section 2

Installation

This section describes how to install the PoolShark® pool cleaner. The PoolShark® is designed to work in a wide variety of swimming pools. Both the standard in-skimmer installation and optional vac port installation are covered in these Instructions. If your pool configuration is unlike any of the examples, contact your Pentair Water Pool and Spa dealer for assistance, or call our toll-free Customer Helpline at 1-800-831-7133.

Standard Installation

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

For Pools with one Skimmer, using the Vacuum Regulator

The manufacturer recommends the **Standard Installation** through the pool's skimmer, (see Figure 7). The advantage of this installation is its use of the vacuum regulator, (see Figure 8), to balance the water flow between the skimmer and the PoolShark® pool cleaner. The vacuum regulator can be adjusted to changes in the amount of water flow to provide PoolShark® with the power necessary to ensure proper cleaning performance, and the manufacturer strongly recommends its use for maximum safety and performance.

1. Turn the pool pump off.
2. Adjust valves for vacuuming. Adjust the pump valves (if your system has valves) to direct all suction to the skimmer. Close the main drain and all suction lines, except the line from the skimmer to which the PoolShark® will be connected.
3. Remove the skimmer basket from the skimmer.
4. Install vacuum regulator. Use the vacuum regulator in conjunction with your pool cleaner system at all times. The vacuum regulator has an adjustment knob, (see Figure 8). If suction is too high, the knob is turned counterclockwise to decrease the suction. If the suction is too low, the knob is turned clockwise to increase the suction.
5. The vacuum regulator must be installed in conjunction with the reducer cone, (see Figure 9). The reducer cone is required to make most skimmer connections. It will keep the hose and vacuum regulator in place once the filter system is stopped.
6. To install the vacuum regulator, insert the vacuum regulator and reducer cone in the skimmer. Attach the end of the hose to the regulator, (see Figure 10). Make sure the vacuum regulator is submerged at all times. If not, the pump will suck air through the vacuum regulator and lose prime. This could damage the pump.

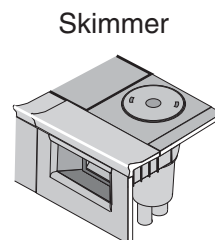


Figure 7.

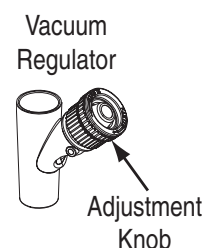


Figure 8.



Figure 9.

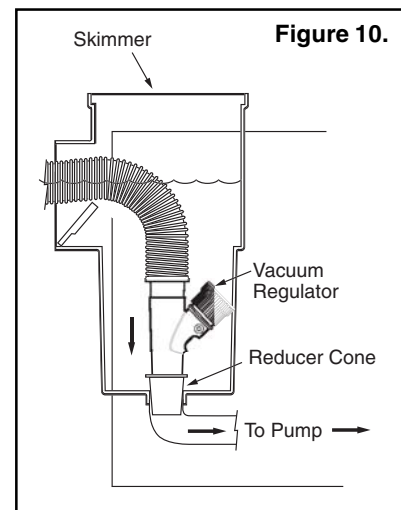


Figure 10.

Vacuum regulator installed in the skimmer with the hose attached.

Standard Installation, *cont'd.*

Adjust Flow

1. With the main drain closed, and one end of the hose attached to the vacuum regulator installed in the skimmer, insert the flow gauge into the other end of the hose (the end with the “leader” hose attached).
2. Keep the hose and flow gauge underwater.
3. Turn on the pump. With the pump running, adjust the vacuum regulator (in your skimmer) until the indicator on the flow gauge is between minimum and maximum flow (Figure 11).

NOTE: The flow gauge is calibrated for use with the “Y” shaped regulator valve. The flow gauge will not indicate the correct flow for the cleaner if you are not using the “Y” shaped regulator valve.

4. Remove the flow gauge from the end of the hose (the end with the “leader” hose attached) and attach the “leader” hose to the cleaner’s swivel.
5. Observe the cleaner performance.

NOTE: If you have a very strong pump and the flow is still too fast, slightly open the main drain.

6. Increase the flow through the cleaner to improve the cleaner’s ability to climb the pool walls.
7. Decrease the flow to stop the cleaner from drawing air when it climbs to the water surface.

Connect the Hose to the Cleaner

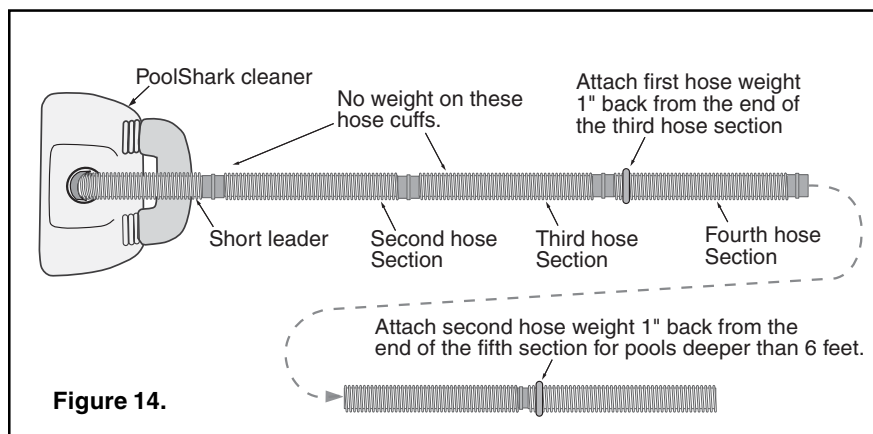
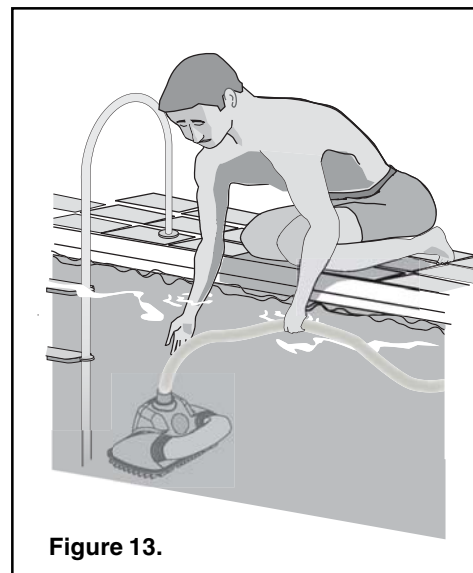
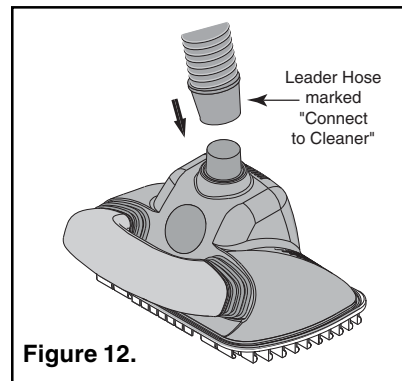
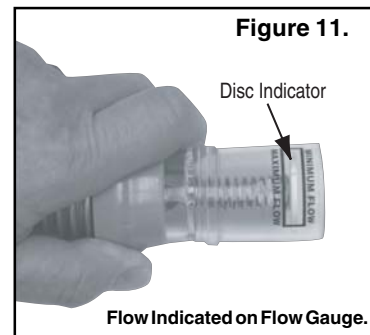
1. Connect the leader hose cuff of the 14" (0.36 m) leader hose to the cleaner (correct end of hose is marked), (see Figure 12).
2. Fill the cleaner with water and let it sink to the bottom, (see Figure 13).
3. Verify hose connections as shown in Figure 14, and that gate valves are fully open in the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



Optional Installation

⚠ 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.

Vac Port Installation with Vacuum Regulator in Skimmer

If your pool has a dedicated wall fitting “vac port”, (see Figure 15), you can install the PoolShark® using the **Optional Installation**.

1. Turn the pool pump off.
2. Adjust valves for vacuuming. Adjust the pump valves (if your system has valves) to direct all suction to the dedicated vacuum line and the skimmer. Close the main drain and all suction lines, except the line from the dedicated vacuum line to which PoolShark® will be connected, and the skimmer where the vacuum regulator will be installed.
3. A spring loaded safety cover, (“vac port fitting”), is included with this pool cleaner (see Figure 16). Install it on the dedicated vacuum line to prevent entrapment and injury. For details please refer to the *Vac Port Instruction sheet* included with your vac port fitting. To install the included vac port fitting:
 - a. Screw the vac port fitting into the dedicated vacuum line opening.
 - b. Orient the vac port fitting so the arrow on the door points up.
 - c. Secure the cover by tightening the allen-screw below the door, into the dedicated vacuum line fitting.
4. Remove the skimmer basket from the skimmer, (see Figure 17).

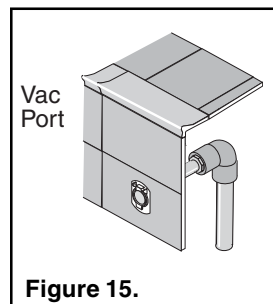


Figure 15.

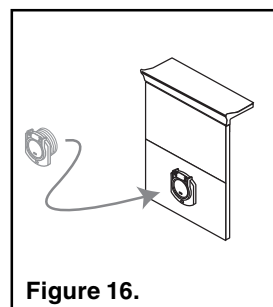


Figure 16.

⚠ WARNING — Hazardous suction. Can cause entrapment with severe personal injury or drowning.

5. Install the vacuum regulator. Insert the vacuum regulator and reducer cone in the skimmer, (see Figure 18). To prevent water from flowing through the top of the vacuum regulator, attach the regulator cap to the vacuum regulator.
6. Attach the end of the hose to the vac port fitting installed in the dedicated vacuum line, (see Figure 19).

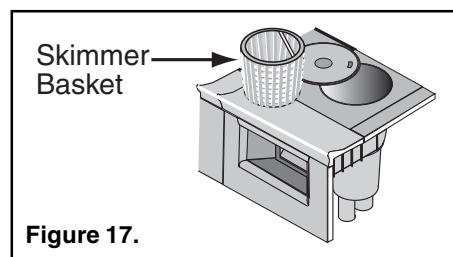


Figure 17.

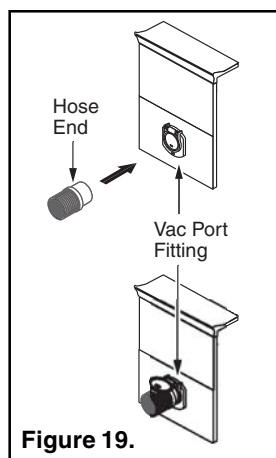


Figure 19.

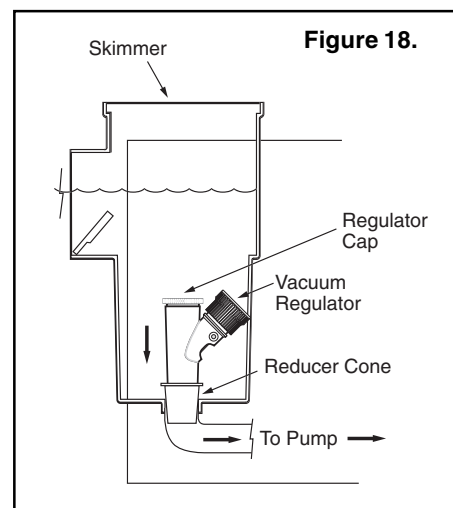


Figure 18.

Optional Installation, *cont'd.*

Adjust Flow

1. With the main drain closed, and one end of the hose attached to the vacuum regulator installed in the skimmer, insert the flow gauge into the other end of the hose (the end with the “leader” hose attached).
2. Keep the hose and flow gauge underwater.
3. Turn on the pump. With the pump running, adjust the vacuum regulator (in your skimmer) until the indicator on the flow gauge is between minimum and maximum flow (Figure 20).

NOTE: The flow gauge is calibrated for use with the “Y” shaped regulator valve. The flow gauge will not indicate the correct flow for the cleaner if you are not using the “Y” shaped regulator valve.

4. Remove the flow gauge from the end of the hose (the end with the “leader” hose attached) and attach the “leader” hose to the cleaner’s swivel.
5. Observe the cleaner performance.

NOTE: If you have a very strong pump and the flow is still too fast, slightly open the main drain.

6. Increase the flow through the cleaner to improve the cleaner’s ability to climb the pool walls.
7. Decrease the flow to stop the cleaner from drawing air when it climbs to the water surface.

Connect the Hose to the Cleaner

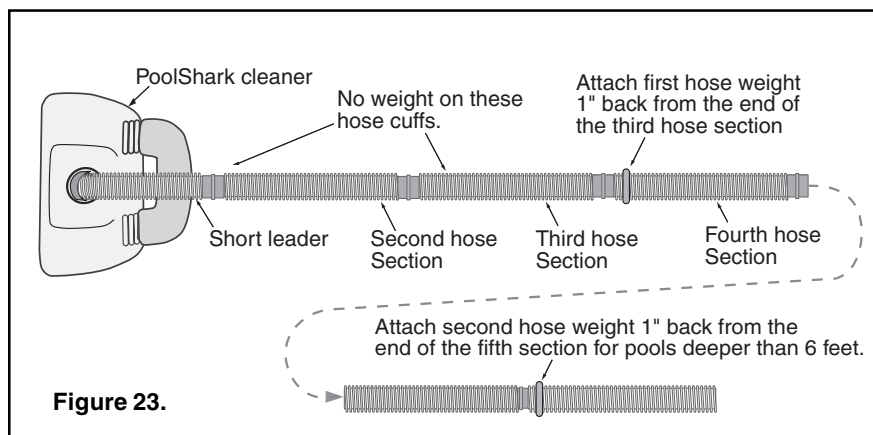
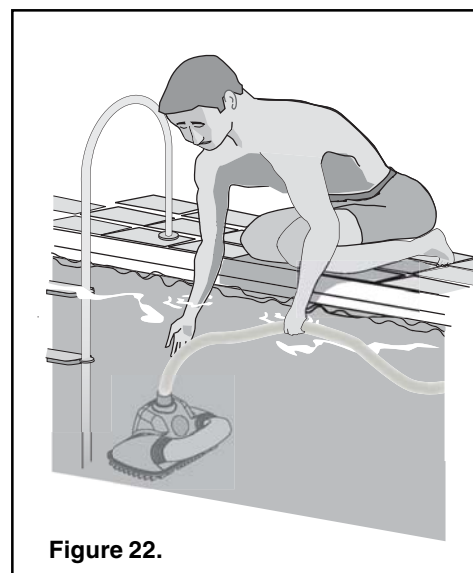
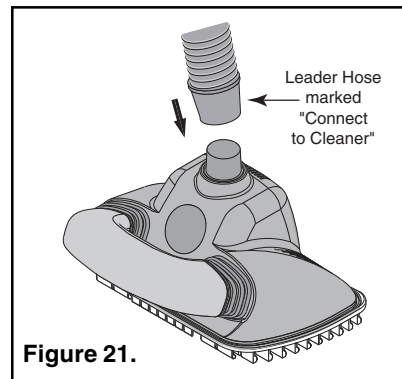
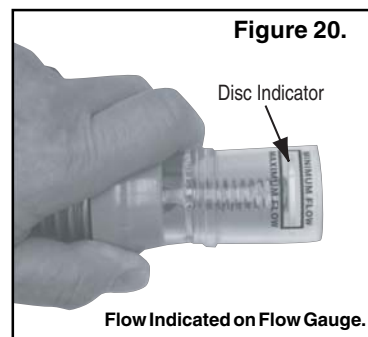
1. Connect the leader hose cuff of the 14" (0.36 m) leader hose to the cleaner (correct end of hose is marked), (see Figure 21).
2. Fill the cleaner with water and let it sink to the bottom, (see Figure 22).
3. Verify hose connections as shown in Figure 23, and that gate valves are fully open in the 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 23.

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.



Section 3

Operation

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

Fine-tuning Valves and Connections

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.

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.

Section 4

Maintenance

This section describes the service and maintenance of the of your PoolShark® cleaner.

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

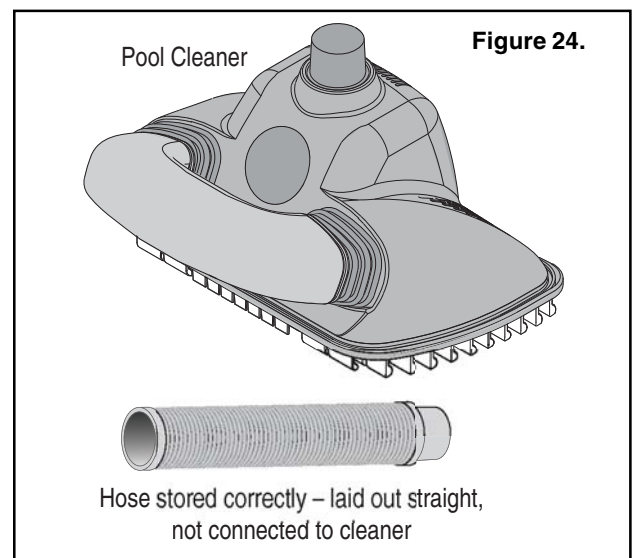
The PoolShark® requires almost no maintenance. Manually open and close the regulator valve from time to time to flush away accumulated dirt and debris and ensure smooth operation. Also, from time to time, visually inspect the PoolShark® to be sure that:

- 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 PoolShark® and pull it to one side of the pool.

Hose Storage

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



Disassembly

1. With a screwdriver, carefully work the rubber vacuum pad down over the lip of the Outer Housing, (see Figure 25).
2. Lift the Outer Housing straight up off of the chassis. Squeeze the tabs on the Bumper/Height Limiter Clips (inside the housing) to remove the Bumper/Height Limiter. The Bumper/Height Limiter, Bumper/Height Limiter Boots, and Bumper/Height Limiter Clips pull apart, (see Figure 26).
3. Squeeze and pull the Sprocket Clips to release the Drive Shaft Assembly and Center Sprocket, (see Figure 27).
4. Pull the Oscillator Straight out from the bottom of the Outer Housing. Be careful not to lose the Sliding Seals, (see Figure 28).
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 29).
6. Remove the Shaft Plug with the stainless steel shaft and the Large Steering Drive Assembly, (see Figure 30).
7. Remove the Oscillator Sleeve, releasing the Oscillator Sleeve Bushing and the Clutch assembly, (see Figure 31).

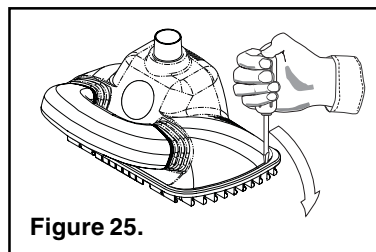


Figure 25.

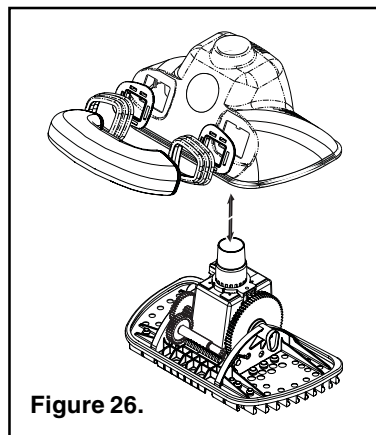


Figure 26.

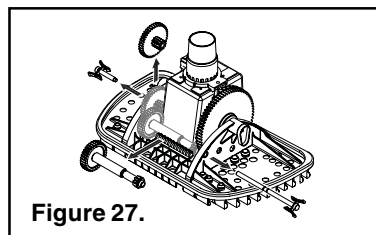


Figure 27.

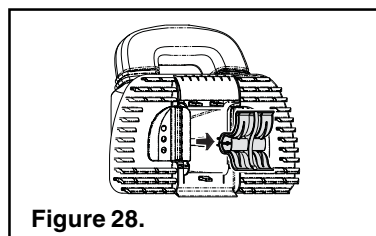


Figure 28.

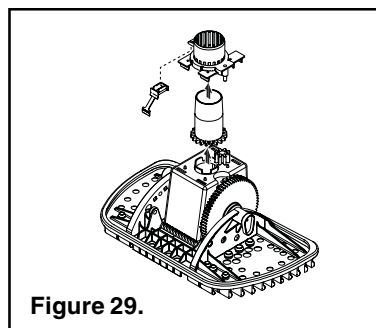


Figure 29.

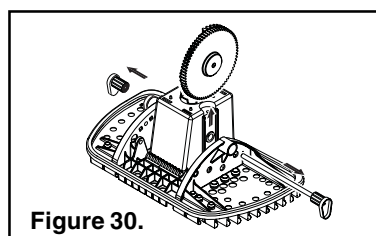


Figure 30.

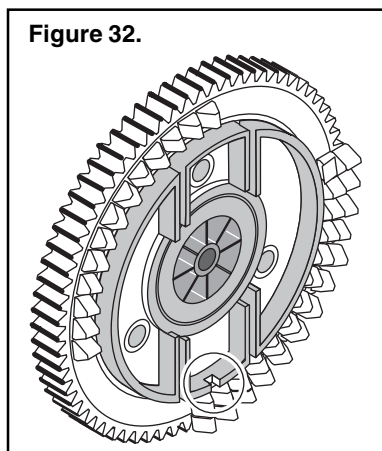


Figure 32.

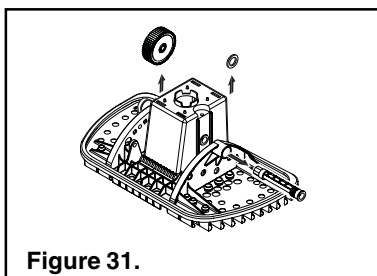


Figure 31.

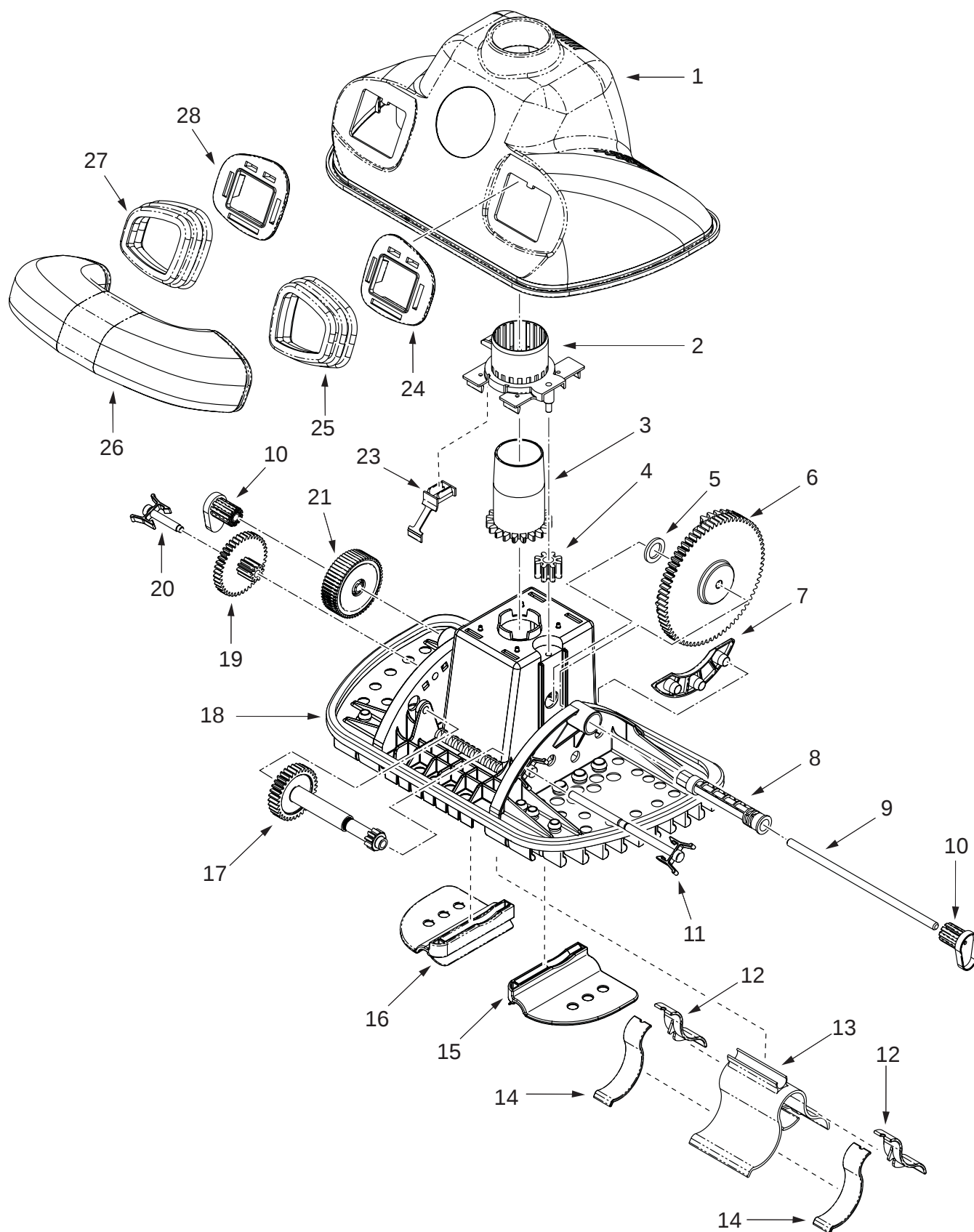
Reassembly

To reassemble the PoolShark[®], reverse the steps above.

NOTE: The notch on the center disk of the Large Steering Drive Assembly must be down (as shown in Figure 32) for assembly.

Replacement Parts

PoolShark® Model



Replacement Parts List for the PoolShark® Model

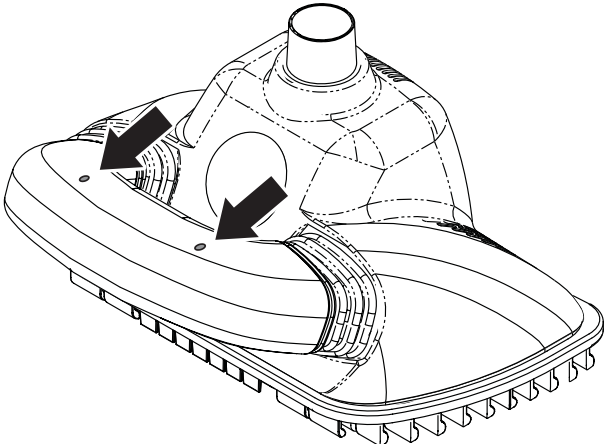
Key No.	Part Description	Qty.	Model GW7500	Model GW7700
•	Steering Kit (Incl. Key Nos. 2, 3, 4)	1	GW7505	GW7515
2	Swivel Housing	1		
3	Swivel	1		
4	Swivel Sprocket	1		
23	Clutch Clip	1		
•	Clutch Kit (Incl. Key Nos. 5, 8, 21, 23)		GW7503	GW7503
5	Oscillator Sleeve Bushing	1		
8	Oscillator Sleeve	1		
21	Clutch Assembly	1		
•	Gear Kit (Incl. Key Nos. 6, 10, 11, 17, 19, 20)		GW7504	GW7504
6	Large Steering Drive Assembly	1		
10	Shaft Plug	2		
11	Long Sprocket Clip	1		
17	Drive Shaft Assembly	1		
19	Center Sprocket	1		
20	Short Sprocket Clip	1		
•	Oscillator Kit (Incl. Key Nos. 12, 13, 14)	1	GW7502	GW7502
12	Small Sliding Seal	2		
13	Oscillator	1		
14	Large Sliding Seal	2		
•	Seal Flap Kit (Incl. Key Nos. 15, 16)	1	GW7506	GW7506
15	Right Seal Flap	1		
16	Left Seal Flap	1		
18	Chassis with Pad	1	41201-0242	41201-0242C
•	Bumper Kit (Incl. Key Nos. 24, 25, 26, 27, 28)	1	GW7501	GW7511
24	Right Bumper Clip	1		
25	Right Bumper Boot	1		
26	Bumper	1		
27	Left Bumper Boot	1		
28	Left Bumper Boot Clip	1		
•	Accessory Kit - Includes:	1	77705-0400	77705-0400
	Regulator	1		
	Regulator Cap	1		
	Hose Weight	2		
	Flow Gauge	1		
	Reducer Cone	1		
	Eyeball Diverter	2		
	Vac Port Fitting	1		
•	Short Leader Hose	1	GW9540	GW9540
•	Suction Hose, 1 meter segment	10	41201-0252	41201-0252
Parts Not Available Separately:				
1	Outer Housing	1		
7	Support Brace	1		
9	Stainless Steel Axle	1		

Section 5

Troubleshooting

Use the following troubleshooting information to resolve possible problems with your PoolShark® pool cleaner.

Problem	Corrective Action
PoolShark® moves slow or fails to climb walls: <i>Dirty filter –</i> <i>Dirty basket in pump hair and lint strainer –</i> <i>Debris blocking the bottom of the PoolShark® –</i> <i>Leaks in the hose –</i> <i>Debris in the regulator –</i> <i>Low vacuum through the cleaner –</i>	Clean the filter. Clean the basket. Remove the Debris. Remove the leaky section. Clean the regulator valve. Close the main drain.
PoolShark® doesn't move or pulsates slowly or doesn't climb pool walls properly:	Make sure that the main drain and all other suction lines are closed except the suction line to which the PoolShark® is attached. Check for sufficient flow through cleaner hose. Check for debris in the filter or the pump strainer basket. Check for debris in the PoolShark's oscillator. Debris may prevent oscillator movement or restrict the flow through the cleaner. Check the oscillator for: damage; lost seals (there should be 4 seals): obstructed seals (seals should slide freely on the oscillator). Be sure that the short, soft flexible leader hose section is the first section in the hose assembly (next to the cleaner).
PoolShark® climbs pool wall to water surface and sucks air:	Reduce water flow through cleaner, see Adjust Flow on page 6 or 8 .
The water flow from the return line can push the PoolShark's hose, causing the PoolShark® 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 PoolShark®	<i>To install the eyeball diverter as follows:</i> - Turn off the main circulation pump. - Unscrew the lock rings from the pool's return line fittings and remove the original eyeball diverters. - Replace them with the PoolShark's eyeball diverters. - 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 PoolShark® should begin moving across the pool floor, vacuuming up the debris in its path. - If the PoolShark's eyeball diverters do not fit your existing return line fittings, adjust your existing fittings as best you can as described above.

Problem	Corrective Action
If the PoolShark® tracks in a repetitive pattern:	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). Check the PoolShark’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. 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. Check the oscillator for: damage; lost seals (there should be 4 seals): obstructed seals (seals should slide freely on the oscillator). Be sure that the short, soft flexible leader hose section is the first section in the hose assembly (next to the cleaner).
Square Bottom Pools Only:	If the transition radius between your pool’s floor and wall is small and the PoolShark® will not climb the pool walls, then you have a square bottom pool. If so, remove the cleaner from the pool and drill two holes in the indentations in the bumper (see Figure 33). This will provide an outlet for air which would otherwise accumulate in the hollow bumper. This air, from microscopic bubbles suspended in the pool water, is normally able to escape when the PoolShark® climbs the pool walls. NOTICE: DO NOT drill the holes if your PoolShark® CAN climb the pool walls!  The diagram shows a top-down view of the PoolShark's bumper, which is a rectangular frame with a central circular opening. Two black arrows point to small circular indentations on the bumper's surface, one on the left and one on the right, indicating where to drill holes. The bumper is shown with its internal structure and the main body of the cleaner attached to the top. Figure 33: Drill Bumper if you have a square bottom pool.

SAVE THESE INSTRUCTIONS.

