

HYDROTOOLS™

By **SWIMLINE®**

#40005

AUTOMATIC POOL CLEANER OPERATING MANUAL



Fast Start Up, Safely Operate, And Efficiently Clean!

Please Call Swimline Corp. 1-631-254-2544 or go to www.Swimline.com

Please call this number BEFORE returning to the store as installation issues can be resolved by our technical experts quickly and efficiently.



WARNING

SAFETY INSTRUCTIONS: Read Prior to Use

SUCTION HAZARD – When using the pool cleaner, keep away from body parts when the cleaner is connected to suction.

CHILD DROWNING RISK – Adult use only. Never allow children to operate the pool cleaner. Do not allow swimmers in the pool during cleaning operation. Store out of the reach of children.

PREPARING YOUR POOL

Before you assemble and install the pool cleaner, we strongly recommend you carry out the following steps to ensure your pool is ready for your cleaner to operate.

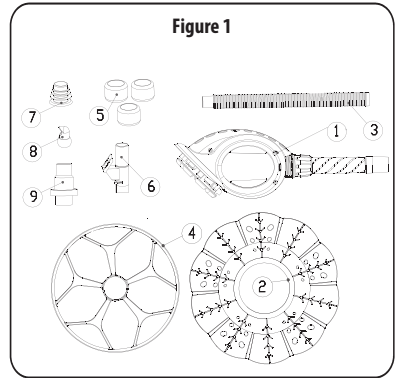
1. Make sure the chemical balance of your pool water is correct.
2. Brush the pool and let any debris settle.
3. Vacuum pool, using manual vacuum cleaner.
4. Clean pool filter, skimmer basket and pump strainer basket.
5. Close the pool main drain. (If your pool has one)
6. Adjust the pool return lines so water flow is directed downward to ensure complete cleaning of your pool. The flow of water from return line(s) can affect performance of pool cleaner, as it can push the cleaner away from certain areas, or cause it to stay in one section of the pool. To turn the flow downward:
 - Loosen the lock ring.
 - Turn eyeball so flow is directed downward.
 - Re-tighten the lock ring.
7. If necessary, replace eyeball fitting with the Return Line Diverter supplied with your pool cleaner. To do so:
 - Make sure pool pump is in off position
 - Unscrew lock ring
 - Replace original eyeball with Return Line Diverter
 - Make sure Return Line Diverter is positioned to direct the flow downwards.

ASSEMBLING & INSTALLING YOUR POOL CLEANER

STEP 1: CHECK CONTENTS

Remove the cleaner body and all parts from the box and check that the following components are included. Refer to Figure 1.

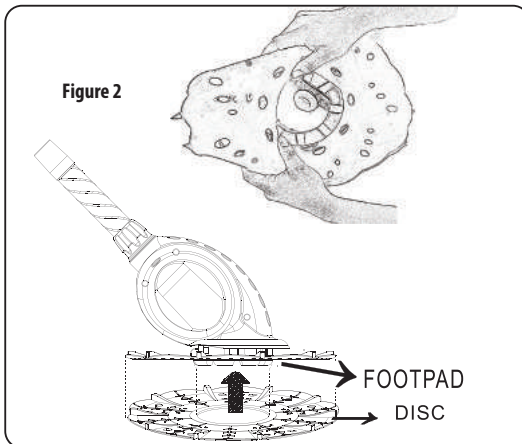
NO.	DESCRIPTION	QTY
1	Cleaner complete with Footpad	1
2	Disc (40116)	1
3	Hose (40117)	12
4	Deflector Wheel (40103)	1
5	Hose Weight (40115)	3
6	Flow Control Valve (40114)	1
7	Control Valve Adapter (40113)	1
8	Eyeball Diverter & Outer Ring (40112)	1
9	Agile Adapter (40118)	1



STEP 2: ASSEMBLE THE POOL CLEANER

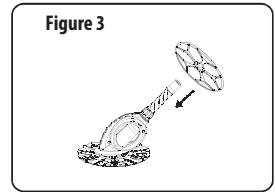
To assemble, fit the pool cleaner disc to the body.

Stretch the disc (with the fins pointing up towards the cleaner) over the Footpad, as shown in Figure 2. Make sure the inside rim of the disc is located in the track that runs around the Footpad. When Disc is correctly positioned, it should easily rotate around the Footpad.



STEP 3: USE OF THE DEFLECTOR WHEEL

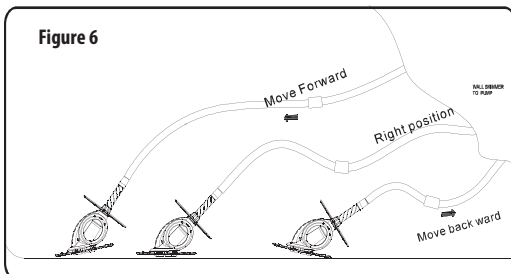
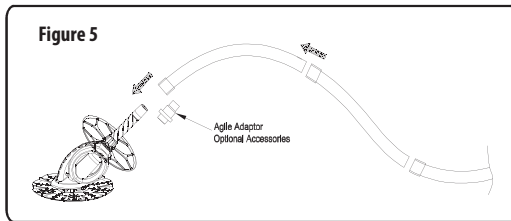
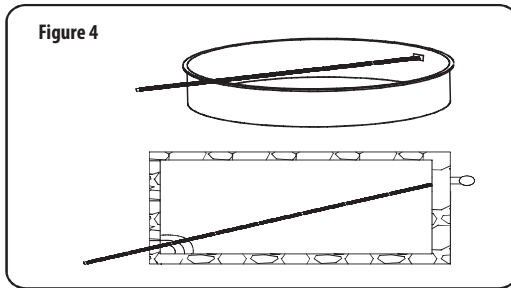
Use the Deflector Wheel if your pool has tight corners and/or a ladder. The Deflector Wheel helps guide your pool cleaner around these obstacles. To fit the Deflector Wheel, simply push it over the Handnut, until it has engaged correctly and rotates freely. See Figure 3.



STEP 4: CONNECT HOSE & POSITION THE HOSE WEIGHT

Connect sufficient lengths of hose to cover the distance from pool skimmer or vacuum point to the farthest point of pool, plus one length. See Fig 4. The Female (large) hose cuff is fitted to the pool cleaner. Opt agile adaptor, according to individual pool. The male (small) hose cuff connects to the pool system. See Figure 5.

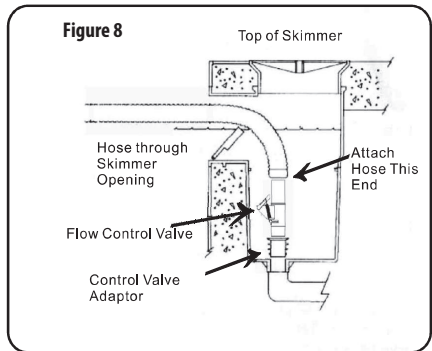
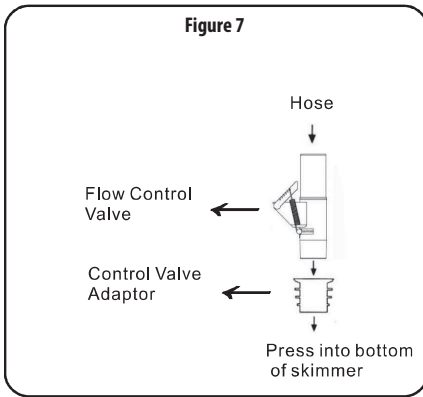
If you have a deep pool, you may need to fit the hose weight. This is to counteract excessive buoyancy created by the hose. The hose weight slides over the male hose cuff and can be positioned wherever required on the hose. Adjusting hose weight position provides better performance. See Figure 6.



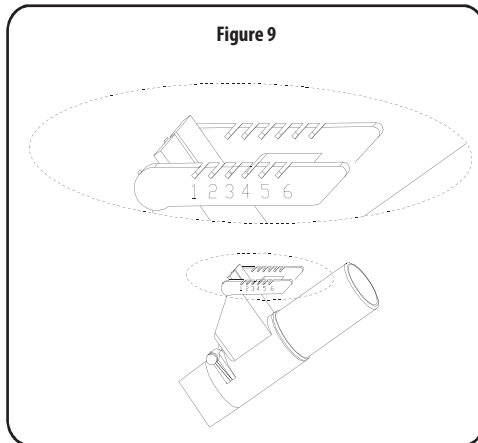
STEP 5: CONNECTING & USING THE FLOW CONTROL VALVE

The Flow Control Valve ensures your pool cleaner receives the flow required to ensure optimum performance.

- Make sure the pool pump is turned OFF.
- Expel all the air from the hose.
- Attach Flow Control Valve to male hose (smaller end). See Fig 7.
- Insert the Flow Control Valve into the Weir/Skimmer. If necessary, use the Control Valve Adapter to ensure a good connection. See Fig 8.
- Turn pool pump ON.
- Pool Cleaner will now begin automatically vacuuming your pool.



The Flow Control Valve is preset between positions 3-4. This provides the ideal operating flow in most pools. If necessary, the flow can be adjusted by using any setting from position 1 through position 6 (1= min flow, to slow your cleaner down, 6= max flow, your cleaner will run faster). See Fig 9.



TROUBLESHOOTING

Due to the individual characteristics of your pool, some adjustments may be required to get the best possible performance from your pool cleaner. The following tips will help you to optimize the performance of your cleaner.

Problem	Solution
Pool Cleaner does not move, or moves slowly.	<ul style="list-style-type: none"> • Make sure the main drain is closed • Check the Flow Control Valve and make sure the flow to pool cleaner is sufficient. • Check diaphragm for wear or damage. • Backwash filter and empty pump strainer basket
Pool Cleaner gets stuck at steps or corner.	<ul style="list-style-type: none"> • Fit Deflector Wheel • Make sure total hose length is correct • Adjust return line eyeball fittings to use the water flow to help guide away from the steps or corner.
Pool Cleaner moves in a repetitive, non-random pattern.	<ul style="list-style-type: none"> • Make sure return line fittings are directed down • Check that how weight position is correct. • Make sure total hose length is correct.
Pool Cleaner stays in only one end of the pool	<ul style="list-style-type: none"> • Check the return line flow and redirect if necessary • Check the total hose length and add more hose if necessary • Check that hose weight position is correct.
Air Bubbles can be seen in the flow from the return line	<ul style="list-style-type: none"> • Check the hose to ensure there are no leaks • Check the connection of the flow Control Valve to make sure it's underwater at all times • Check the pump basket lid is filled correctly, is not loose or cracked, and that no o-rings are worn or missing. If necessary, contact your pool professional for assistance.
Pool cleaner falls on its side.	<ul style="list-style-type: none"> • Make sure the Outer Extension Pipe swivels freely.
Hose won't fit Flow Control Valve	<ul style="list-style-type: none"> • Fit Hose Adapter to Flow Control valve

ROUTINE MAINTENANCE

To maintain the performance of your pool cleaner:

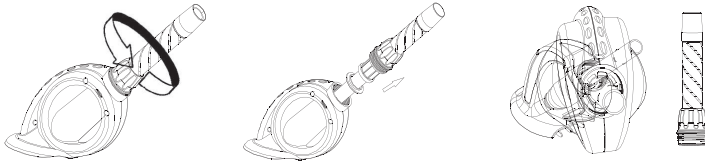
- When removed from pool, store the hose straight. **Never coil the hose**, as this may cause distortion which may adversely effect the pool cleaner.
- Remove the Pool Cleaner (including hose) before chemical treatment. Wait a minimum of 4 hours after super chlorination (shock treatment) of your pool before re-installing the pool cleaner.
- Clean the filter, skimmer basket and pump basket regularly.
- When not in use, keep the cleaner disc flat, to avoid risk of warping.
- Periodically inspect your Pool Cleaner for signs of wear. If necessary, replace any worn parts.

NOTE: Due to the harsh conditions in which your cleaner operates, its color may fade and discolor over time.

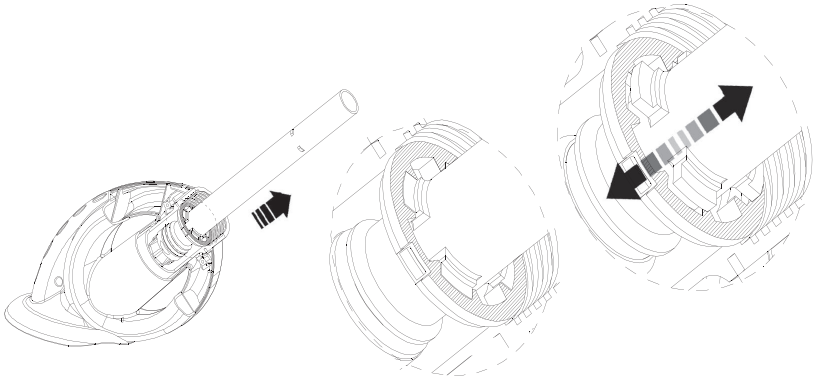
REPLACING THE DIAPHRAGM

The diaphragm of the Pool Cleaner operates at the rate of approximately 360 beats per minute. If your pool cleaner runs daily for 8 hours, the diaphragm will open and close over 60 million times in a year! The design has been perfected over many years and, if properly cared for, the diaphragm will last for several seasons. In the event that it does become worn or damaged and needs to be replaced, follow these easy steps:

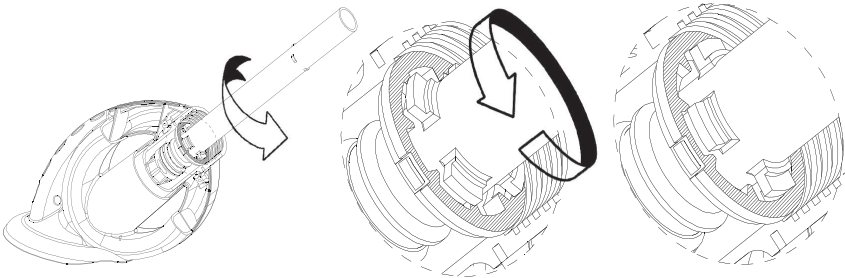
1. Unscrew the HANDNUT and remove it, together with the OUTER EXTENSION PIPE and the THRUST WASHER. Place these items to one side.



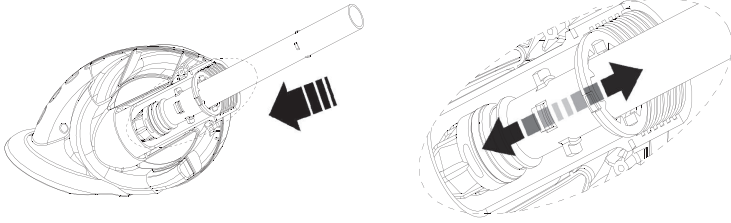
2. Hold the INNER EXTENSIONS PIPE (IEP) and gently pull it towards you. This pulls the tabs out of their recess.



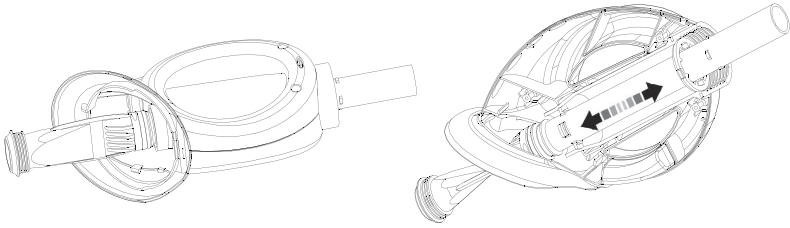
3. Turn the INNER EXTENSION PIPE so the tabs line up with the holes in the IEP LOCATOR. **Do not remove the INNER EXTENSION PIPE from the BODY.**



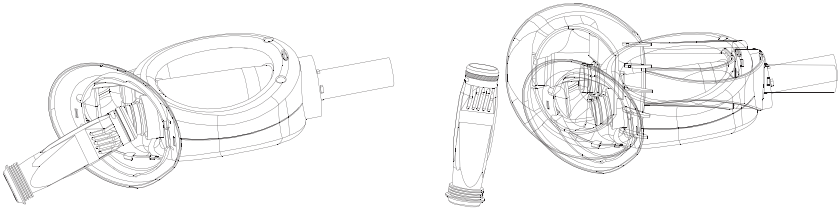
4. Push the INNER EXTENSION PIPE away from you, so the tabs go through the holes in the IEP LOCATOR



5. Grasp the other end of the DIAPHRAGM (the end furthest away from the INNER EXTENSION PIPE) and pull it away from the pool cleaner BODY. The DIAPHRAGM will fall clear of the BODY.



6. Twist the DIAPHRAGM, removing it from the INNER EXTENSION PIPE.

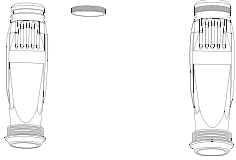


7. Remove the RETAINING RING from the DIAPHRAGM. Discard the used diaphragm.

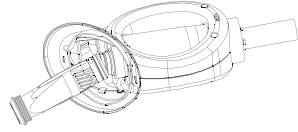


To install a new diaphragm, simply reverse the process:

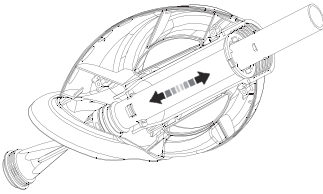
(a) Fit the RETAINING RING onto the new DIAPHRAGM.



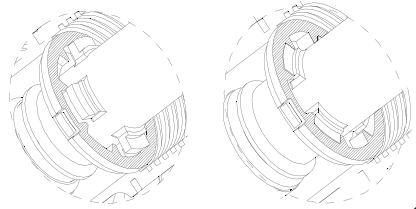
(b) Push the DIAPHRAGM onto the INNER EXTENSION PIPE. Make sure it is correctly located and fully engaged.



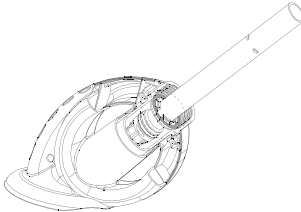
(c) Pull the INNER EXTENSION PIPE up through the BODY, positioning the tabs so they can be pulled through the holes in the IEP LOCATOR.



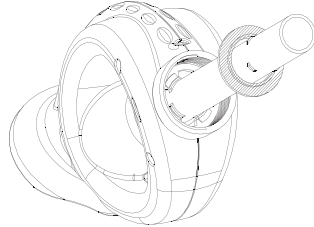
(d) Gently turn the INNER EXTENSION PIPE so the tabs are aligned with the recesses in the IEP LOCATOR. Release the INNER EXTENSION PIPE.



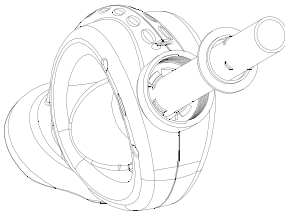
(e) Check that the DIAPHRAGM is correctly located. If it has become twisted during installation, simply untwist by slightly turning the open end of the DIAPHRAGM.



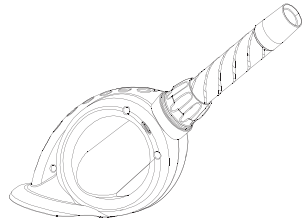
(f) Slide the THRUST WASHER over the INNER EXTENSION PIPE. The flat side (widest diameter) of the THRUST WASHER should face down.



(g) Place the OUTER EXTENSION PIPE over the INNER EXTENSION PIPE.



(h) Screw the HANDNUT into place to lock the assembly.
Be careful not to over-tighten the Handnut.
(i) Check that the OUTER EXTENSION PIPE swivels freely.



PARTS DIAGRAM

DIAGRAM #	DESCRIPTION	ITEM #
1	Main Body/Frame Assembly	40101
2	Foot Pad	40102
3	Deflector Wheel	40103
4	Diaphragm Chamber	40104
5	Above Ground Cassette Diaphragm	40105
6	Diaphragm Retaining Ring	40106
7	Threaded Inner Extension	40107
8	IEP Locator/Anchor Ring	40108
9	Gasket	40109
10	Cassette Pipe	40110
11	Hand Nut	40111
12	Eyeball Diverter & Outer Ring	40112
13	Control Valve Adapter	40113
14	Flow Control Valve	40114
15	Hose Weight	40115
16	Disc	40116
17	Hose (0.8M)	40117
18	Agile Adapter	40118

