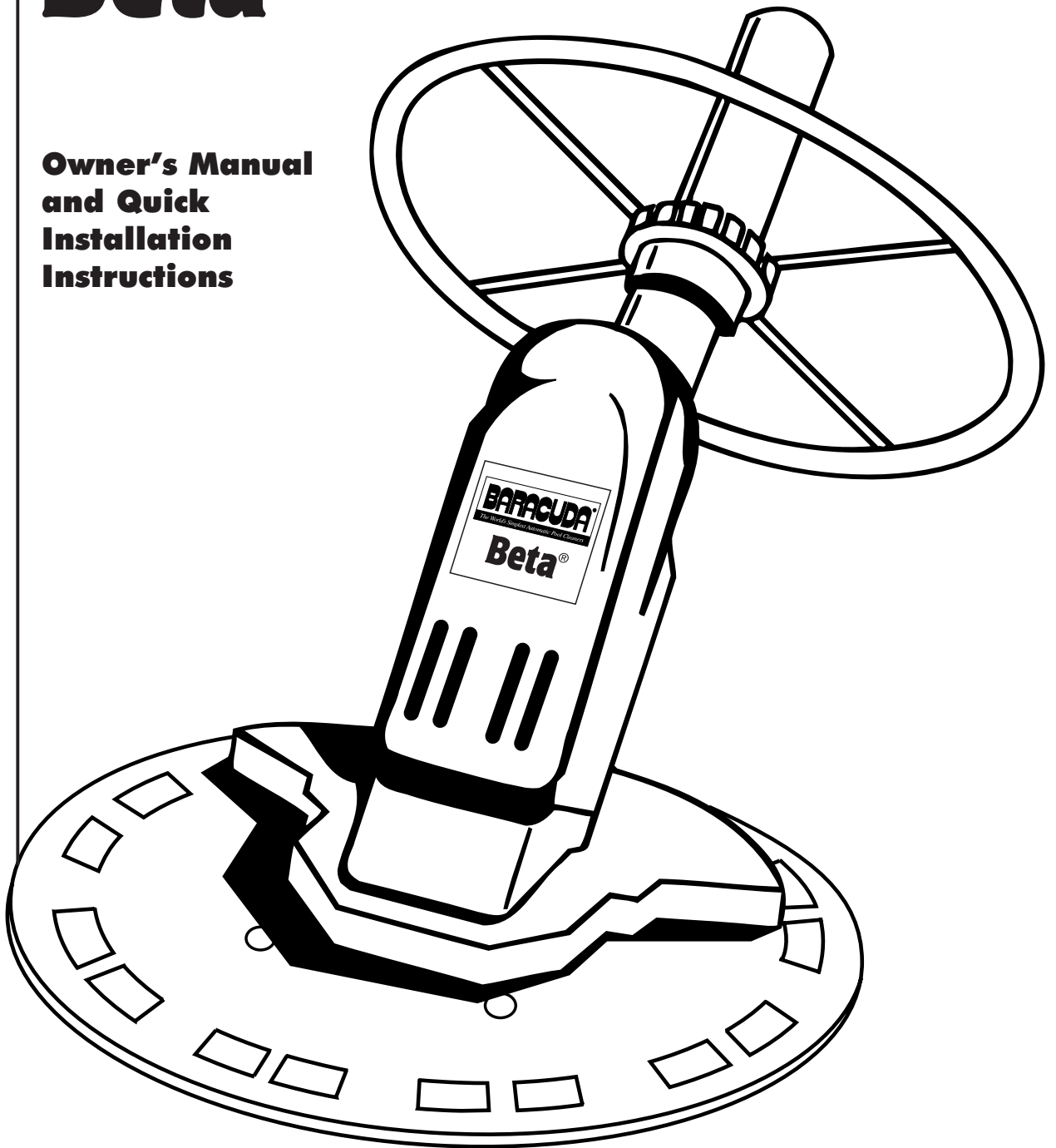




# ZODIAC

## Beta<sup>®</sup>

**Owner's Manual  
and Quick  
Installation  
Instructions**



**Automatic Aboveground Pool Cleaner**



**THANK YOU FOR PURCHASING THE BARACUDA® BETA®. YOUR BETA® HAS BEEN DESIGNED AND MANUFACTURED TO BE EASILY INSTALLED AND TO PROVIDE YEARS OF LOW MAINTENANCE OPERATION.**

**PRIOR TO INSTALLING YOUR NEW BETA®, PLEASE DO THE FOLLOWING:**

- 1) Complete and return the warranty card.
- 2) Record your purchase information on the spaces provided below.
- 3) Attach your invoice (or a copy) to this page.

These actions will insure prompt warranty service, should it be required. Simply present your owner's manual, along with the invoice at any of our authorized warranty centers nationwide.

**RECORD YOUR BARACUDA® BETA® POOL CLEANER DATA HERE:**

Date of Purchase \_\_\_\_\_  
Purchased From \_\_\_\_\_  
City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_  
Serial No.: \_\_\_\_\_

**BARACUDA® BETA® LIMITED WARRANTY**

This BARACUDA® BETA® was carefully inspected before shipment from our warehouse. Upon unpacking, if any part proves defective or missing, please notify your dealer immediately. Please consult owner's manual for complete instructions on the installation and operation of your BARACUDA® BETA®.

**ZODIAC POOL CARE, INC. WARRANTS THE BARACUDA® BETA® POOL CLEANER AGAINST ALL MANUFACTURING DEFECTS AND ALL WEAR AND TEAR FOR THE FIRST TWO (2) YEARS INCLUDING THE HOSES. ALL WARRANTIES ARE EFFECTIVE FROM THE DATE OF PURCHASE.**

Should this product prove defective in workmanship, materials or wear during the applicable warranty period, the consumer's sole and exclusive remedy shall be such repair or replacement of the product as provided below.

**THIS LIMITED WARRANTY EXCLUDES THE FOLLOWING:**

1. Discoloration of the BARACUDA® BETA® pool cleaner. This is caused by reaction to ultraviolet rays and the chemicals used in the pool water. Discoloration does not affect the operating ability of the BARACUDA® BETA®. Therefore, this Limited Warranty does not cover the replacement of discolored parts.
2. Damage to or malfunction of the unit resulting from excess chlorination or improper water chemistry balance.
3. Replacement of parts which fail or become defective as a result of improper installation, negligence, misuse, abuse or tampering by unauthorized repair personnel.
4. Age, pool water imbalance, and improper installation can cause vinyl pool liners to become brittle or unduly wrinkled. Corrosion of the supporting walls and/or irregularities in the pool base may also cause liner failure. The use of this product in such an environment is at the pool owner's risk. Therefore, the pool owner hereby releases the manufacturer from any and all claims for damage where these conditions exist.
5. The BETA® is designed for use in aboveground pools only. If unit is used in any other application, the pool owner hereby releases the manufacturer from any and all claims. This misuse will void all warranty on the unit.

**THE LIMITED WARRANTY PROVIDED HEREIN IS THE SOLE AND EXCLUSIVE WRITTEN WARRANTY WITH RESPECT TO THE BARACUDA® BETA® POOL CLEANER. ALL IMPLIED WARRANTIES IMPOSED BY APPLICABLE LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO EACH COMPONENT OF THE BARACUDA® BETA® ARE LIMITED TO THE DURATION OF THE EXPRESS LIMITED WARRANTY WITH RESPECT TO SUCH COMPONENT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.**

In no event shall ZODIAC POOL CARE, INC. be liable in contract or in tort, or under any other legal theory, for lost profits or revenues, loss of use or similar economic loss, or for indirect, special, incidental, consequential or similar damages, even if it has been advised of the possibility of such claim. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

No claim under this Limited Warranty will be recognized unless the registration card, included in your box, is completed and returned within fifteen (15) days of the purchase date. Only the original purchaser may submit a claim under this Limited Warranty. Purchaser's claims against ZODIAC POOL CARE, INC., shall be limited to those claims which may be asserted under the Limited Warranty relating to any defect, malfunction or wear of the BETA®.

To obtain warranty replacements or repair, the unit should be returned, freight prepaid, to an authorized warranty center or directly to : ZODIAC POOL CARE, INC., 2028 NW 25th Avenue, Pompano Beach, FL 33069. Call for authorization at (888) 786-7797. When submitting a claim, always supply serial number, evidence of purchase date, retailer and a brief description of the problems/defects encountered. ZODIAC POOL CARE, INC. reserves the right to repair or replace all defective or worn parts covered by this Limited Warranty and return same to purchaser, freight collect.

ZODIAC POOL CARE, INC. assumes no responsibility for any warranties or representations made by other individuals or businesses beyond the express terms contained in this Limited Warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

For sale and use in the United States, Canada, and Mexico only. This pool cleaner is not warranted or guaranteed outside of the United States, Canada, or Mexico.

This pool cleaner is covered by one or more of the following Canadian and U.S. patents and Canadian registered design:

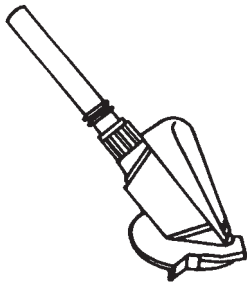
Canadian patent nos. 1,140,708, 1,254,105 and 1,256,262. Canadian rd. no. 64787 U.S. patent nos. 4,351,077, 4,642,833, 4,742,593 and 5,014,382.



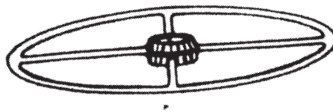
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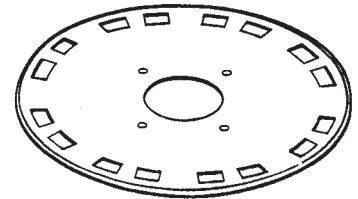
## Check that the following parts are included:



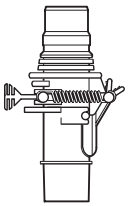
(1) Cleaner Head  
w/Footpad and Apron



(1) Wheel Deflector



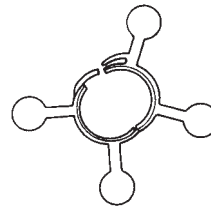
(1) Yellow Disc



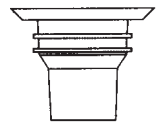
(1) FlowKeeper™  
Valve



(2) 45-degree Installation  
Adapter Elbows



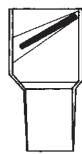
(3) Hose Deflectors



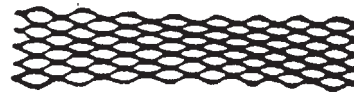
(1) Aboveground  
Skimmer Cuff



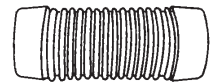
(11) Hose Lengths



(1) Pool Pulse™



(1) Hose Protector



(1) Hose  
Connector

**If assistance is required, call 1-888-786-7797**

### Important: for Vinyl Liner Pool Owners

Vinyl liners are subject to deterioration or damage due to age, the effect of chemicals, corrosion or failure of the supporting walls; as well as improper installation, maintenance or cleaning of the supporting walls or base.

Before installing the Baracuda® Beta®, examine the interior of your pool carefully. If your vinyl liner is brittle or has stones, wrinkles, roots or metal corrosion in contact with the underside of the liner, or has damage to the base material or supporting walls, do not install the Baracuda Beta before having a qualified professional perform the necessary repairs.

# PREPARE THE POOL AND FILTER SYSTEM

**Step 1:** Manually vacuum your pool.

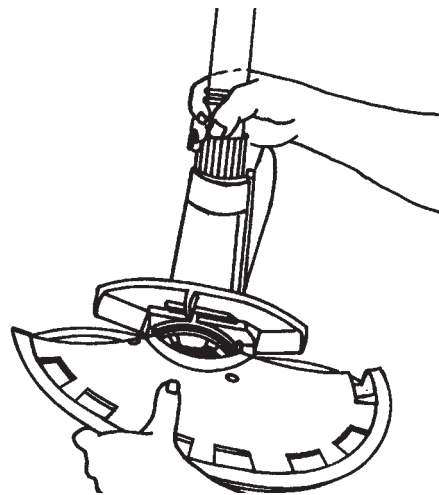
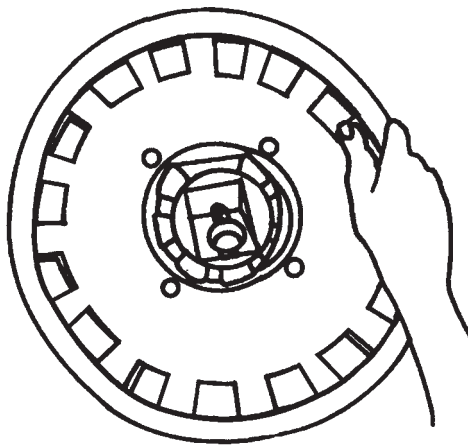
**Step 2:** Backwash or clean the filter according to the manufacturer's instructions.

**Step 3:** Clean the skimmer basket and the pump strainer basket.

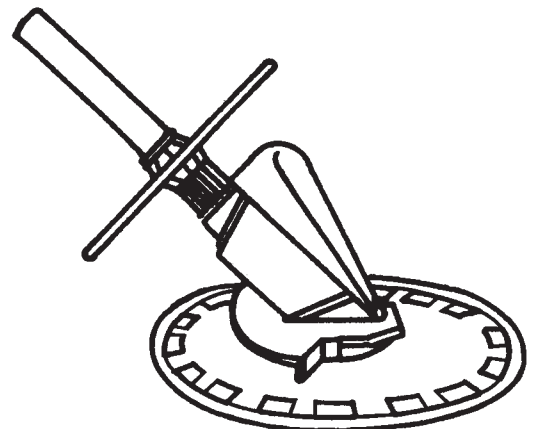
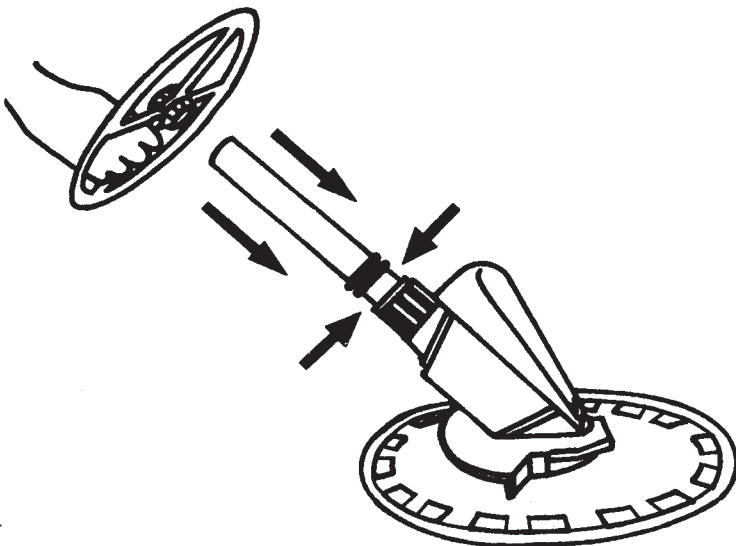
**Note:** If your pool is equipped with a main drain, turn it off.

## ASSEMBLY

**Step 1:** Slide the yellow disc over the base of the footpad. Be sure it fits properly in the grooves provided. Be sure to install the disc with “TOP” printed facing up.

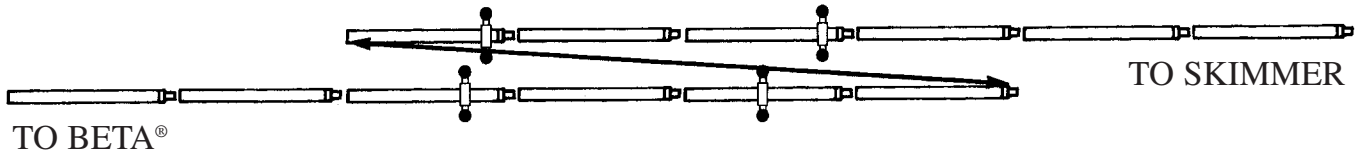


**Step 2:** Slide the wheel deflector over the extension pipe and secure between the two lowest pipe ridges.

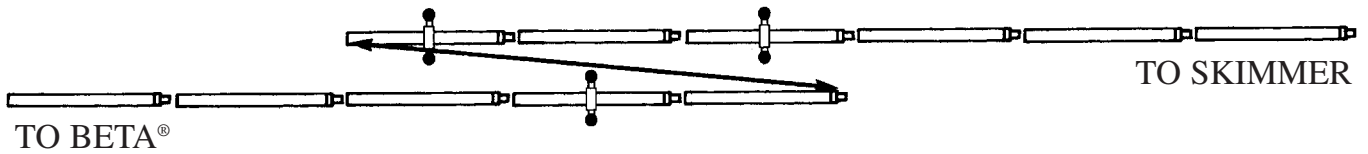


**Step 3:** Connect the hose sections, placing the hose deflectors (Part No. 24209) as indicated in the illustrations below. Pools larger than 26' require additional hose sections. For oval pools use enough hose sections to reach the farthest point from the skimmer plus 2 to 3 sections.

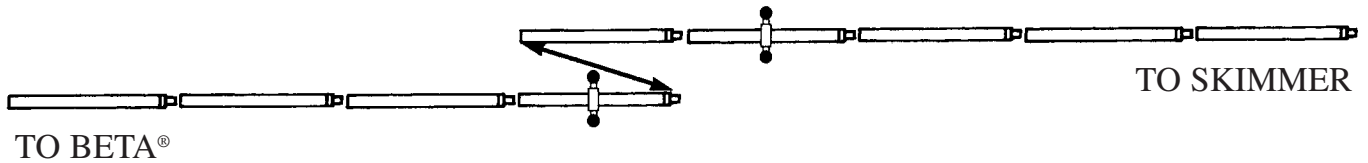
### 27' - 28' Diameter (requires one extra hose section)



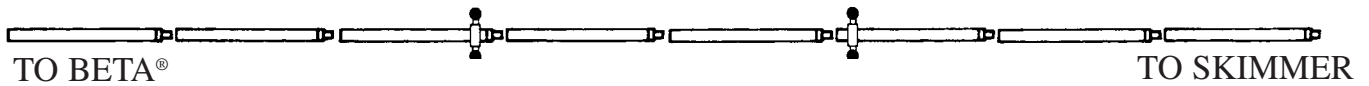
### 21' - 24' Diameter



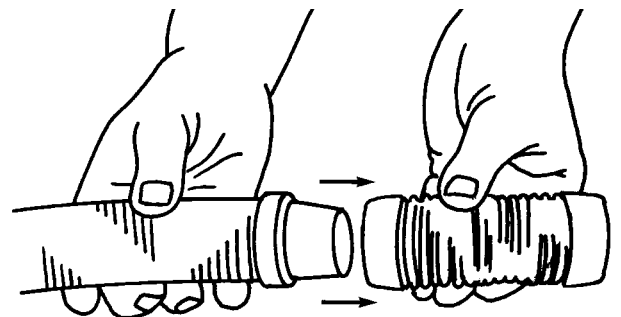
### 15' - 18' Diameter



### 12' Diameter



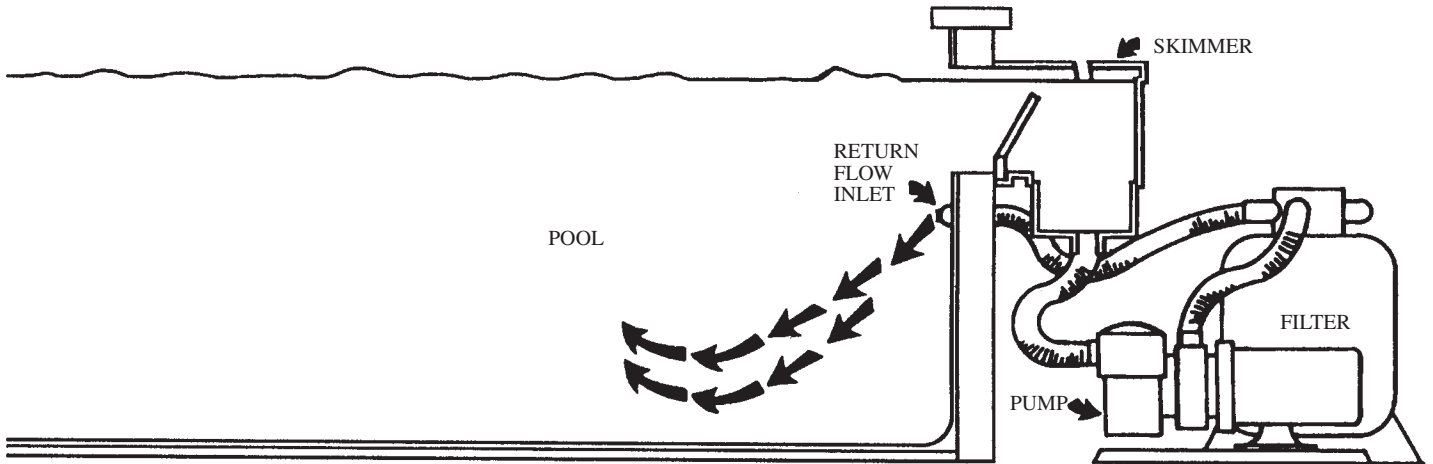
**Step 4:** Place the hose connector (Part No. 33205) on the male end of the hose. The connector end of the hose will attach to the Flowkeeper valve.



# INSTALLATION

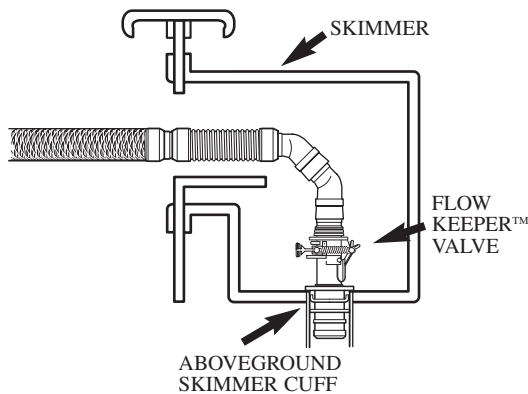
**Step 1:** Turn the filter system off. (Be sure you have turned off the main drain, if your pool has one.)

## GENERAL POOL SCHEMATIC

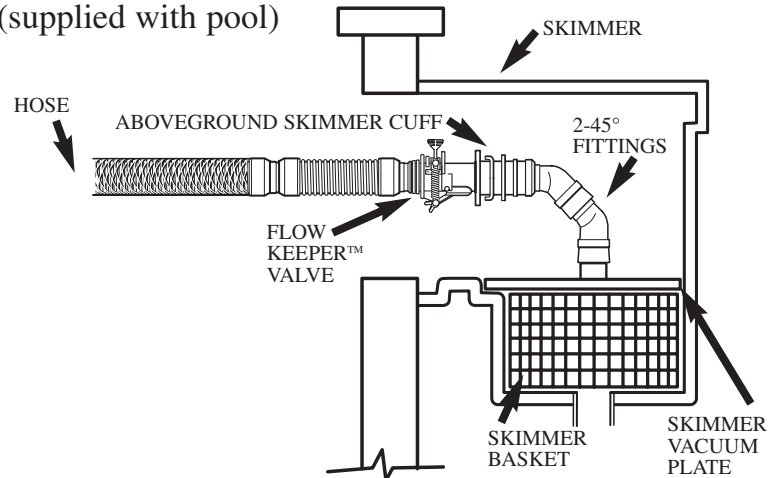


**Step 2:** Select the FlowKeeper™ fitting combination (A, B or C) best suited to your skimmer from the figures below.

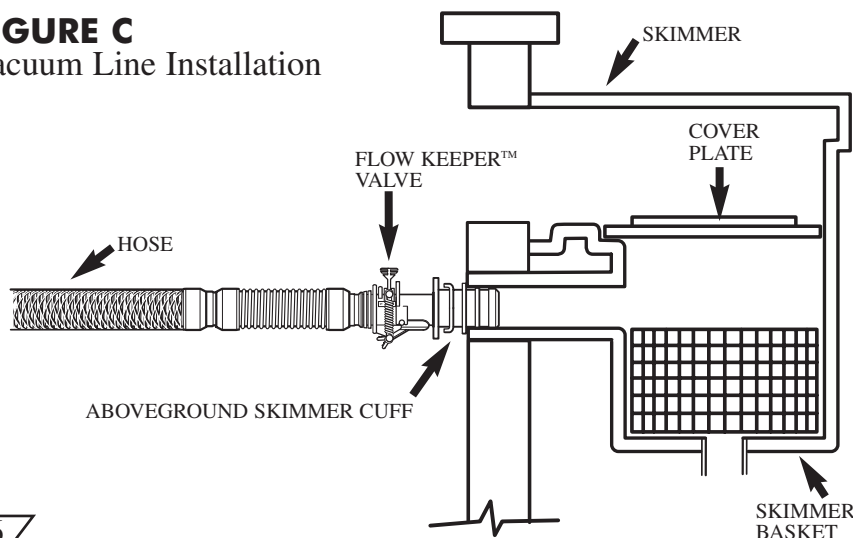
**FIGURE A**  
Direct Method Remove Skimmer Basket



**FIGURE B**  
With Skimmer Basket and Skim Vac Plate  
(supplied with pool)



**FIGURE C**  
Vacuum Line Installation



**CAUTION:**

The FlowKeeper™ valve **MUST** be used on all installations.

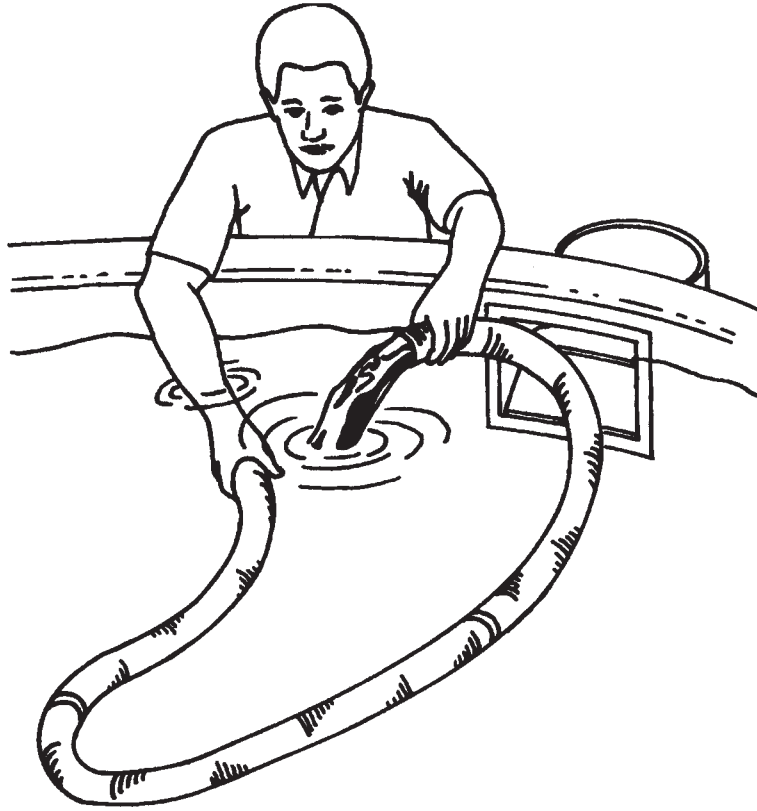
**NOTE:**

The FlowKeeper™ should be positioned with the spring loaded by-pass door toward the pool bottom.

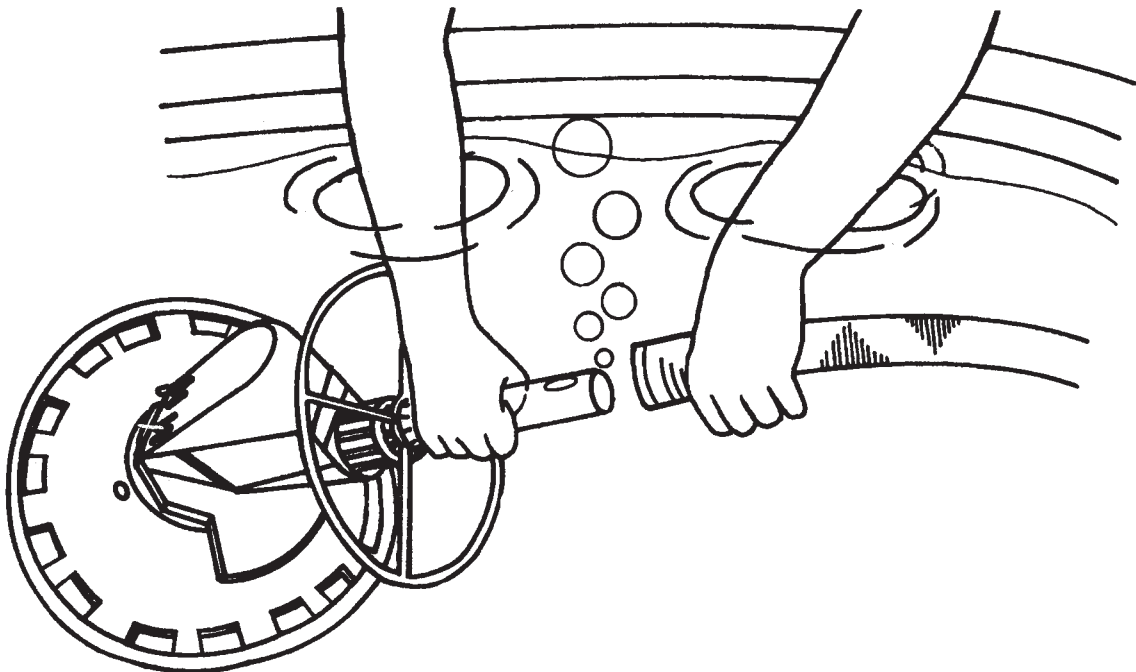
**Step 3:** To prevent losing prime to your pool pump, all air must be removed from the hoses and the BETA® head before connecting them to your system.

**Turn the filter system on.**

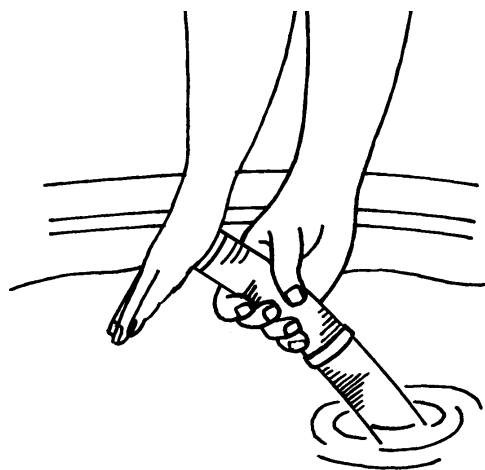
Hold one end of the hose over the return inlet until a full stream of water flows from the other end.



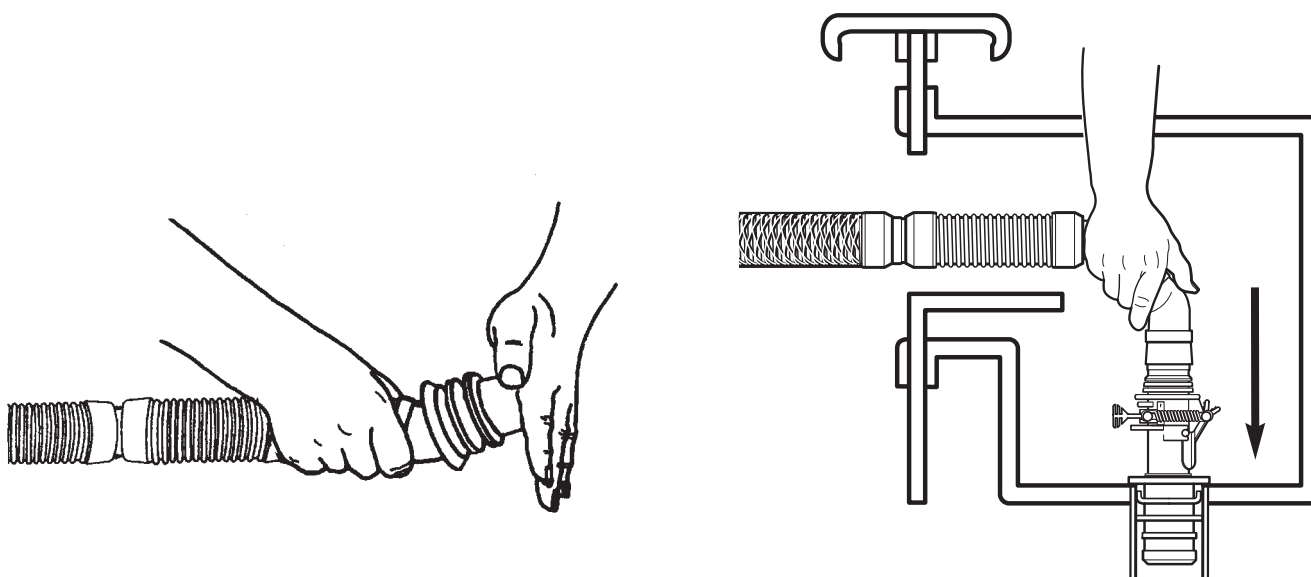
**Step 4:** Keep both hose ends underwater and completely submerge the BETA® head. When the bubbles have stopped flowing from the head, connect the female end of the hose to the BETA®.



**Step 5:** Cover the end of the 4 1/2" hose connector tightly with your hand.



Move to the skimmer and connect the hose end to the FlowKeeper™ valve and fitting combination selected in Step 2. Now insert the end of the valve assembly into the suction port of the skimmer.



**Step 6:** To insure proper operation, measure the flow with the Pool Pulse. Keeping the end of the hose underwater, remove the Beta head and attach the Pool Pulse. If the flow is in the “Too Low” range, see “Preparing the pool and filter system” on page 4. If the flow is in the “Too High” range, remove the Beta cleaner and call our technical services hotline at 1-800- 937-7873 for assistance. Always use the Pool Pulse to insure your Beta is running within the “Ideal” range”.

**POOL PULSE™**

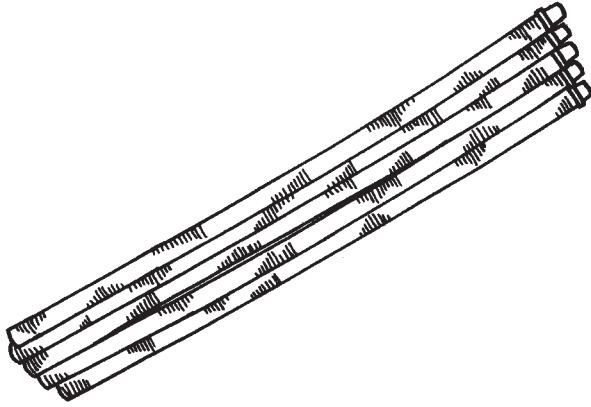


Your installation is now complete.



# MAINTENANCE AND CARE

1. Remove the BETA® from the pool before super chlorinating or other chemical balancing and re-install a minimum of four hours later.
2. Always store the hoses straight (in the original box if possible). Never coil the BETA® hose. (Coiled hose may be straightened with hot water or by laying the hose in the sun on a warm deck for several hours.)



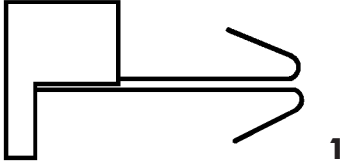

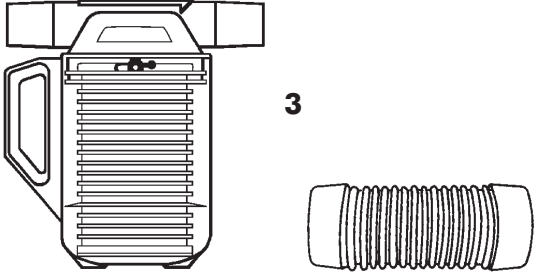
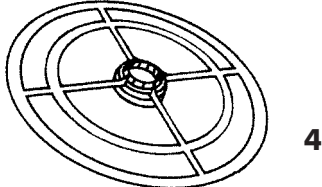
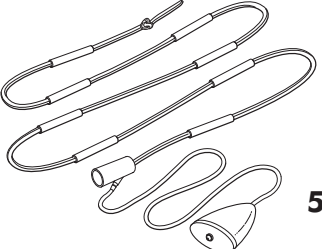
**CORRECT**



**INCORRECT**

3. Always disconnect the hose from the skimmer before backwashing your filter.
4. Off season storage: remove the disk and store it flat. Store the head in a warm dry place. Store the hoses straight.

# ACCESSORIES

PART ILLUSTRATION	PART NO.	DESCRIPTION
 <p>A line drawing of a return line diverter. It consists of a vertical pipe on the left that turns 90 degrees to the right into a horizontal pipe. At the end of this horizontal pipe, the line splits into two angled outlets pointing to the right.</p>	<p>1. 24100</p>	<p><b>Return Line Diverter</b> Use when no other return inlet directional fittings exist. <i>(see page 11).</i></p>
 <p>Two line drawings of retrofit eyeball return line diverters. Part 2A is a smaller version with a narrower opening, and part 2B is a larger version with a wider opening. Both have a U-shaped top and a vertical stem with a split bottom.</p>	<p>2A. 90153 (for 1 1/2" return inlet)</p> <p>2B. 90155 (for 2" return inlet)</p>	<p><b>Retrofit Eyeball Return Line Diverter</b> Use to replace standard directional inlet eyeballs <i>(see page 11).</i></p>
 <p>Two line drawings. On the left is a rectangular leaf catcher with a handle on the left side and a grid of horizontal slats. On the right is a coiled metal hose connector.</p>	<p>3. 26705</p>	<p><b>The LEAF CATCHER™ with 4 1/2" Hose Connector</b> Use when heavy debris or leaf situations exist.</p>
 <p>A line drawing of a large wheel deflector. It is a circular disc with a central hub and four spokes extending to the outer rim.</p>	<p>4. 46155</p>	<p><b>Large Wheel Deflector</b> Use when extra clearance needed at steps or other obstacles.</p>
 <p>A line drawing of a Hide-A-Hose accessory. It shows a long, flexible hose with a handle at one end and a connector at the other. The hose is shown in a coiled position.</p>	<p>5. 38031</p>	<p><b>Hide-A-Hose</b> Sinks the pool cleaner hose when the pump is turned off.</p>

# TROUBLESHOOTING GUIDE

## MECHANICAL (MACHINE STOPS OR MOVES SLUGGISHLY)

1. Turn the filter system off and check all the connections of the BETA® to the skimmer.
2. Remove the BETA® head from the hose, turn it upside down and inspect for debris blocking the diaphragm. (See page 12)
3. Backwash or clean the filter and clean pump and skimmer baskets of all debris. Turn the filter system on and check that there is good flow. NOTE: In cold water 60° F or less, water flow through the BETA® must be increased to compensate for the reduced flexibility of the hose and diaphragm.
4. If the BETA® still does not move, lift the hose out of the water, section by section while the filtration system is running. A cracked hose can be detected by a hissing noise. Replace it.
5. If none of the above steps resolves the problem, the pool circulation system is probably not supplying the water flow necessary to propel the BETA®. Check it using the Pool Pulse™ (Part No. 44805).
6. Have a qualified pool service person inspect your pump impeller, pump motor, filter tank and elements or plumbing for blockage or leaks.

## MACHINE BECOMES NOISY (SPEED INCREASES DRASTICALLY)

Check the FlowKeeper™ valve for obstructions.

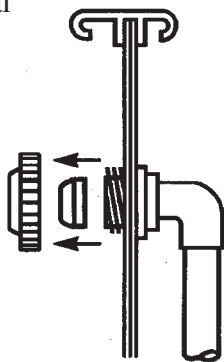
## BETA GETS CAUGHT UNDER OR AROUND THE POOL LADDER

1. Remove the ladder if possible.
2. Acquire and install a large wheel deflector from your BARACUDA® dealer.

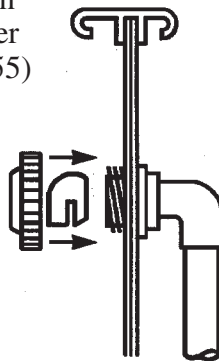
## MACHINE NOT COVERING ENTIRE POOL (DUE TO FORCE OF WATER FLOW FROM RETURN INLET).

1. Turn directional eyeball downward (toward pool bottom).
2. If return flow still effects hose or unit, install a Baracuda return diverter. Follow the directions below.

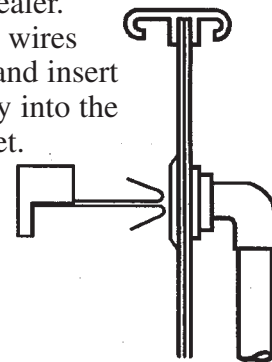
2a: Remove the existing return inlet eyeball retaining ring and remove the directional eyeball.



2b: Replace the directional eyeball with the BARACUDA® return eyeball diverter (Part No. 90153) and reinstall the eyeball retaining ring. NOTE: If your return inlet dimension is 2", use return eyeball diverter (Part No. 90155) available from your BETA® dealer.



2c: For pools with no return inlet directional fitting or with other types of return line diverters, use a BARACUDA® universal return line diverter (Part No. 24100), available from your BETA® dealer. Pinch the wires together and insert them fully into the return inlet.



*AIM THE FLOW FROM THE DIVERTER TOWARD THE BOTTOM OF THE POOL.*

## SOLAR BLANKET OPERATION

Remove or do not initially install the hose deflectors.

# EASY ACCESS SYSTEM™

Unlike other competitive automatic pool cleaners, the BETA® has the patented Easy Access System. This unique feature allows almost instantaneous access to the one moving part—the diaphragm.

Large foreign objects, such as children's toys, tree branches and rocks, should be removed manually from your pool prior to operating an automatic pool cleaner. In the event a foreign object does not get manually removed and a blockage occurs, the Easy Access System allows you the opportunity to remove the blockage or check the diaphragm for damage in minutes at poolside.

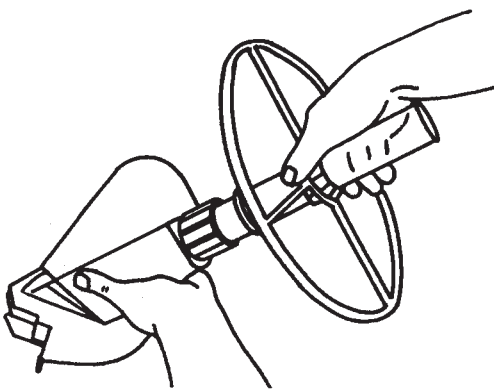
## STEP 1 REMOVAL OF DIAPHRAGM

Remove the wheel deflector (Figure 1). Loosen the handnut by turning it counter clockwise one full turn (Figure 2). (Do not loosen or remove the handnut completely.) Turn the unit over, grasp the diaphragm by the flange (Figure 3) and pull the diaphragm/ assembly out of the body (Figure 4). Remove the diaphragm from the inner extension pipe (Figure 5), leaving the retaining ring on the diaphragm.

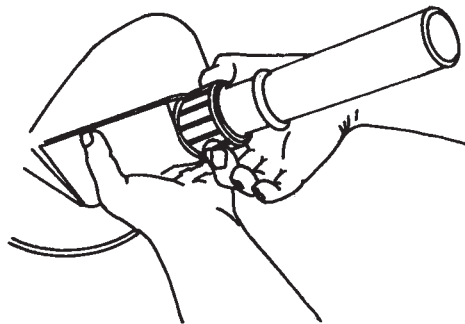
## STEP 2 EXAMINATION

Inspect the diaphragm for the blockage or damage. If damage is evident, i.e., a cut or hole on the sides of the diaphragm, return it, along with head of the unit (excluding hoses), to your authorized Baracuda warranty station for replacement.

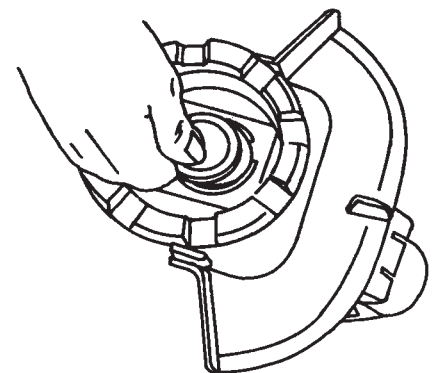
If a blockage is apparent, grasp it and remove it. If this can't be done, a garden hose may be used to flush the obstacle through. Do not use any sharp objects to probe or push an obstruction as this may damage the diaphragm.



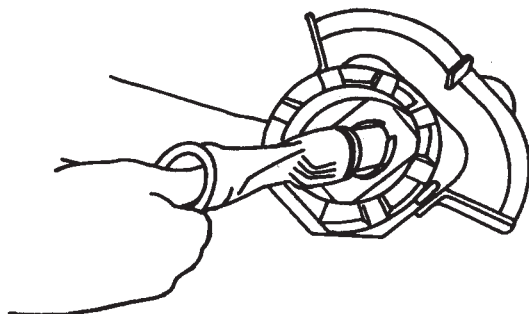
**FIGURE 1**



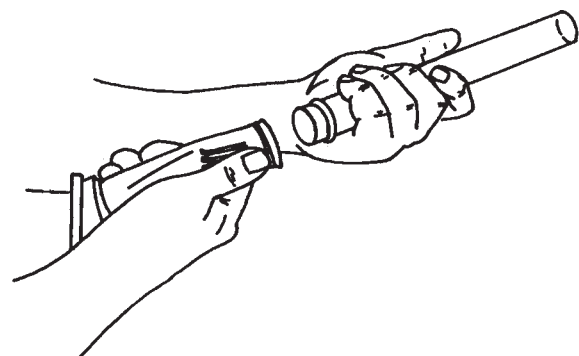
**FIGURE 2**



**FIGURE 3**



**FIGURE 4**

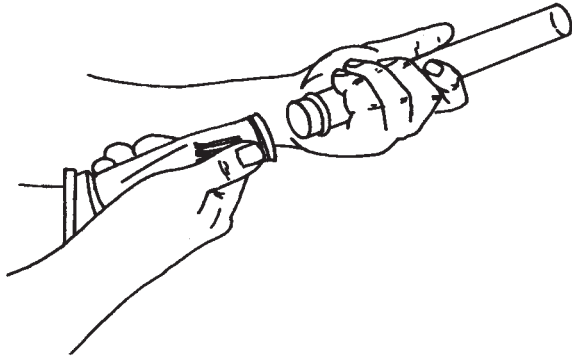


**FIGURE 5**

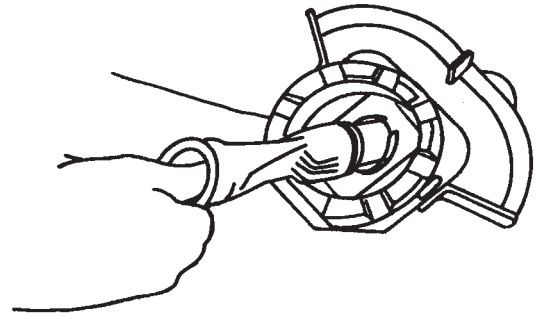
### STEP 3 DIAPHRAGM ASSEMBLY

Prior to reinstalling the diaphragm, rinse the diaphragm and the inner extension pipe thoroughly to remove any grit or algae. Attach the diaphragm to the inner extension pipe using the retaining ring (Figure 6). Slide the top of the inner extension pipe (the end which is opposite the diaphragm) into the body (Figure 7). Pressing on the underside of the diaphragm's ridges (Figure 8), push the diaphragm into the body, aligning the flange with the accommodating slot (Figure 9). The diaphragm should fit flush against the inlet plate. Tighten the handnut turning it clockwise. Do not overtighten.

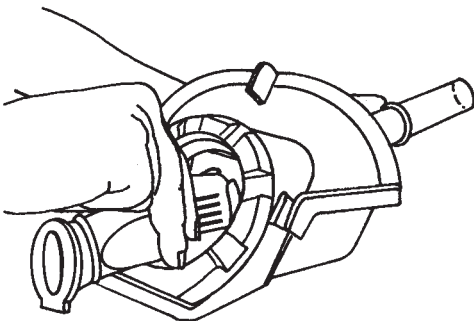
To check that the assembly has been done properly, turn the unit upside down, grip the outer extension pipe and spin the body (Figure 10). If it does not spin freely, loosen the handnut, spin outer extension pipe and retighten the handnut. Finally, reinstall the wheel deflector.



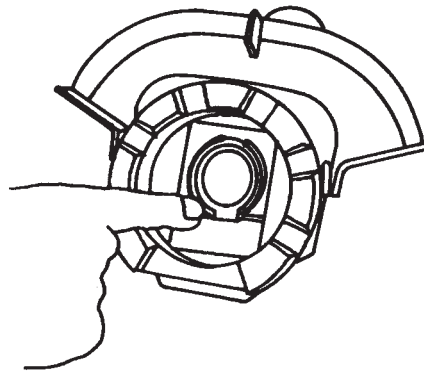
**FIGURE 4**



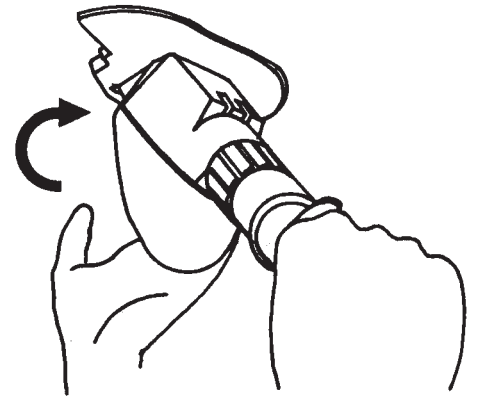
**FIGURE 5**



**FIGURE 8**



**FIGURE 9**

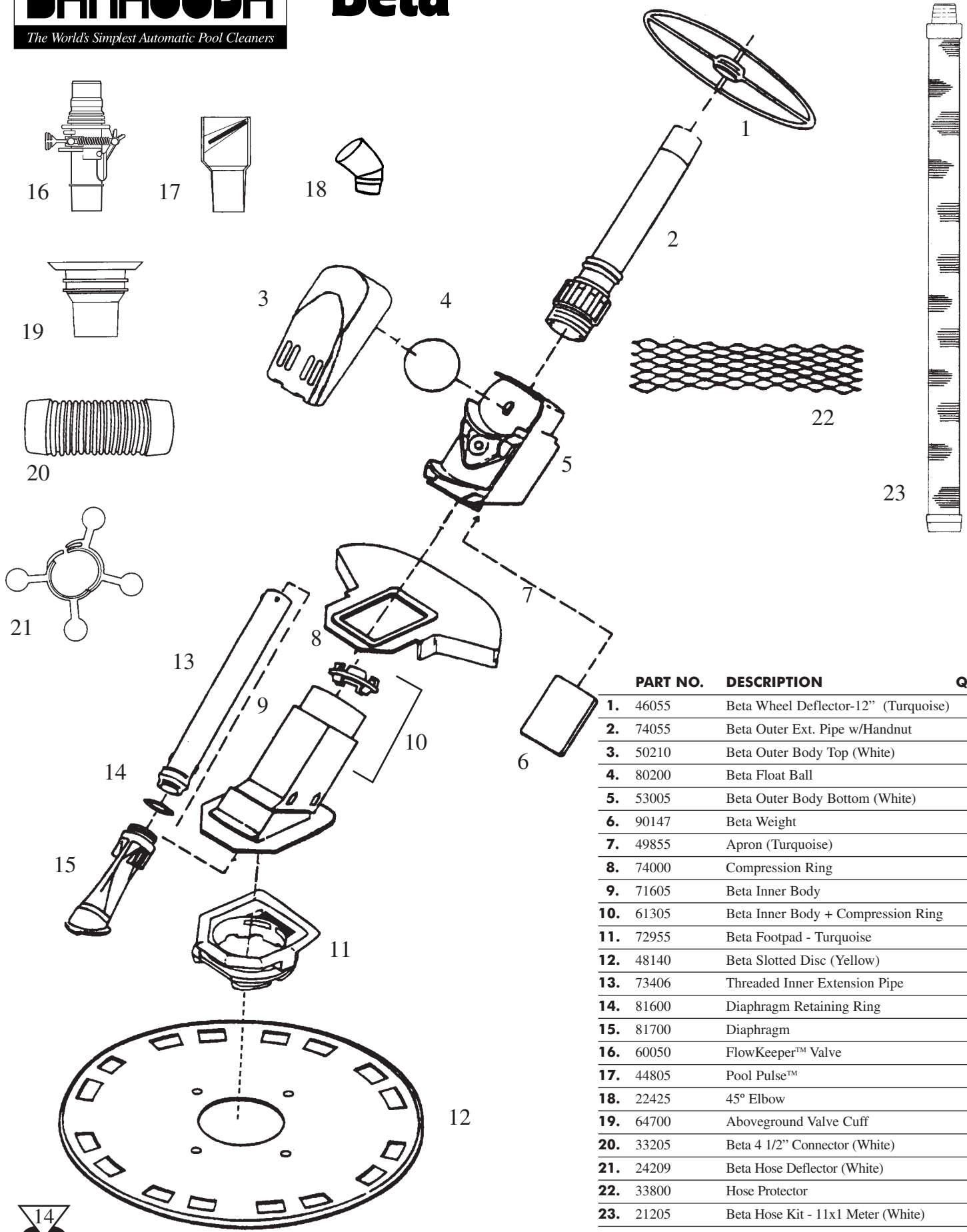


**FIGURE 10**

# BARACUDA®

The World's Simplest Automatic Pool Cleaners

# Beta®



PART NO.	DESCRIPTION	QTY.
1.	46055 Beta Wheel Deflector-12" (Turquoise)	1
2.	74055 Beta Outer Ext. Pipe w/Handnut	1
3.	50210 Beta Outer Body Top (White)	1
4.	80200 Beta Float Ball	1
5.	53005 Beta Outer Body Bottom (White)	1
6.	90147 Beta Weight	1
7.	49855 Apron (Turquoise)	1
8.	74000 Compression Ring	1
9.	71605 Beta Inner Body	1
10.	61305 Beta Inner Body + Compression Ring	1
11.	72955 Beta Footpad - Turquoise	1
12.	48140 Beta Slotted Disc (Yellow)	1
13.	73406 Threaded Inner Extension Pipe	1
14.	81600 Diaphragm Retaining Ring	1
15.	81700 Diaphragm	1
16.	60050 FlowKeeper™ Valve	1
17.	44805 Pool Pulse™	1
18.	22425 45° Elbow	2
19.	64700 Aboveground Valve Cuff	1
20.	33205 Beta 4 1/2" Connector (White)	1
21.	24209 Beta Hose Deflector (White)	3
22.	33800 Hose Protector	1
23.	21205 Beta Hose Kit - 11x1 Meter (White)	1



**ZODIAC POOL CARE, INC.**  
2028 NW 25th Avenue, Pompano Beach, Florida 33069  
1-888-786-7797  
[www.baracuda.com](http://www.baracuda.com)