HAYWARD®

Hayward Blu

Owner's Manual

IMPORTANT SAFETY INSTRUCTIONS

Contents

General Warnings……1
Product Specific Warnings……2
Introduction……4
Installation……5
Replacement Parts……7
Warrantee & Registration ……24

Basic safety precautions should always be followed, including the following: Failure to follow instructions can cause severe injury and/or death.

⚠ This is the safety-alert symbol. When you see this symbol on your equipment or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

⚠ **WARNING** warns about hazards that **could** cause serious personal injury, death or major property damage and if ignored presents a potential hazard.

⚠ **CAUTION** warns about hazards that **will** or **can** cause minor or moderate personal injury and/or property damage and if ignored presents a potential hazard. It can also make consumers aware of actions that are unpredictable and unsafe.

The **NOTICE** label indicates special instructions that are important but not related to hazards.

Hayward Pool Products
620 Division Street, Elizabeth, NJ 07207
Phone: (908) 351.5400
www.hayward.com

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts. Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 1 1/14/13 1:27 PM

HAYWARD®

⚠ WARNING - Read and follow all instructions in this owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

⚠ WARNING – Suction Entrapment Hazard.

Suction in suction outlets and/or suction outlet covers which are, damaged, broken, cracked, missing, or unsecured can cause severe injury and/or death due to the following entrapment hazards:

Hair Entrapment- Hair can become entangled in suction outlet cover.
Limb Entrapment- A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing, or not securely attached can result in a mechanical bind or swelling of the limb.
Body Suction Entrapment- A negative pressure applied to a large portion of the body or limbs can result in an entrapment.
Evisceration/ Disembowelment - A negative pressure applied directly to the intestines through an unprotected suction outlet sump or suction outlet cover which is, damaged, broken, cracked, missing, or unsecured can result in evisceration/ disembowelment.
Mechanical Entrapment- There is potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of a suction outlet cover resulting in mechanical entrapment.

⚠ WARNING - To Reduce the risk of Entrapment Hazards:

- When outlets are small enough to be blocked by a person, a minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane (i.e. floor or wall), must be installed a minimum of three feet (3') [1 meter] apart, as measured from near point to near point.
- Dual suction fittings shall be placed in such locations and distances to avoid "dual blockage" by a user.
- Dual suction fittings shall not be located on seating areas or on the backrest for such seating areas.
- The maximum system flow rate shall not exceed the flow rating of as listed on Table 1.
- Never use Pool or Spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
- Replace damaged, broken, cracked, missing, or not securely attached suction outlet components immediately.
- In addition two or more suction outlets per pump installed in accordance with latest ASME, APSP Standards and CPSC guidelines, follow all National, State, and Local codes applicable.
- Installation of a vacuum release or vent system, which relieves entrapping suction, is recommended.

⚠ WARNING – Failure to remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets can result in an increase potential for suction entrapment as described above.

⚠ WARNING – Failure to keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material can result in an increase potential for suction entrapment as described above.

⚠ WARNING – Suction outlet components have a finite life, the cover/grate should be inspected frequently and replaced at least every ten years or if found to be damaged, broken, cracked, missing, or not securely attached.

⚠ CAUTION – Components such as the filtration system, pumps and heater must be positioned so as to prevent their being used as means of access to the pool by young children. To reduce risk of injury, do not permit children to use or climb on this product. Closely supervise children at all times. Components such as the filtration system, pumps, and heaters must be positioned to prevent children from using them as a means of access to the pool.

⚠ WARNING – Hazardous Pressure. Pool and spa water circulation systems operate under hazardous pressure during start up, normal operation, and after pump shut off. Stand clear of circulation system equipment during pump start up. Failure to follow safety and operation instructions could result in violent separation of the pump housing and cover, and/or filter housing and clamp due to pressure in the system, which could cause property damage, severe personal injury, or death. Before servicing pool and spa water circulation system, all system and pump controls must be in off position and filter manual air relief valve must be in open position. Before starting system pump, all system valves must be set in a position to allow system water to return back to the pool. Do not change filter control valve position while system pump is running. Before starting system pump, fully open filter manual air relief valve. Do not close filter manual air relief valve until a steady stream of water (not air or air and water) is discharged.

⚠ WARNING – Separation Hazard. Failure to follow safety and operation instructions could result in violent separation of pump and/or filter components. Strainer cover must be properly secured to pump housing with strainer cover lock ring. Before servicing pool and spa circulation system, filters manual air relief valve must be in open position. Do not operate pool and spa circulation system if a system component is not assembled properly, damaged, or missing. Do not operate pool and spa circulation system unless filter manual air relief valve body is in locked position in filter upper body. **Never operate or test the circulation system at more than 50 PSI. Do not purge the system with compressed air**. Purging the system with compressed air can cause components to explode, with risk of severe injury or death to anyone nearby. Use only a low pressure (below 5 PSI), high volume blower when air purging the pump, filter, or piping.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 2 1/14/13 1:27 PM

HAYWARD®

⚠ WARNING – Risk of Electric Shock. All electrical wiring MUST be in conformance with applicable local codes, regulations, and the National Electric Code (NEC). Hazardous voltage can shock, burn, and cause death or serious property damage. To reduce the risk of electric shock, do NOT use an extension cord to connect unit to electric supply. Provide a properly located electrical receptacle. Before working on any electrical equipment, turn off power supply to the equipment. To reduce the risk of electric shock replace damaged wiring immediately. Locate conduit to prevent abuse from lawn mowers, hedge trimmers and other equipment. Do NOT ground to a gas supply line.

⚠ WARNING – Risk of Electric Shock Failure to ground all electrical equipment can cause serious or fatal electrical shock hazard. Electrical ground all electrical equipment before connecting to electrical power supply.

⚠ WARNING – Risk of Electric Shock Failure to bond all electrical equipment to pool structure will increase risk for electrocution and could result in injury or death. To reduce the risk of electric shock, see installation instructions and consult a professional electrician on how to bond all electrical equipment. Also, contact a licensed electrician for information on local electrical codes for bonding requirements.

Notes to electrician: Use a solid copper conductor, size 8 or larger. Run a continuous wire from external bonding lug to reinforcing rod or mesh. Connect a No. 8 AWG (8.4 mm^2) [No. 6 AWG (13.3 mm^2) for Canada] solid copper bonding wire to the pressure wire connector provided on the electrical equipment and to all metal parts of swimming pool, spa, or hot tub, and metal piping (except gas piping), and conduit within 5 ft. (1.5 m) of inside walls of swimming pool, spa, or hot tub.
IMPORTANT - Reference NEC codes for all wiring standards including, but not limited to, grounding, bonding and other general wiring procedures.

⚠ WARNING – Risk of Electric Shock . The electrical equipment must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the electrical equipment without the test button being pushed, a ground current is flowing, indicating the possibility of an electrical shock. Do not use this electrical equipment. Disconnect the electrical equipment and have the problem corrected by a qualified service representative before using.

⚠ CAUTION – HAYWARD® pumps are intended for use with permanently-installed pools and may be used with hot tubs and spas if so marked. Do not use with storable pools. A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.

⚠ WARNING – Risk of Hyperthermia. To avoid hyperthermia the following "Safety Rules for Hot Tubs" are recommended by the U.S. Consumer Product Safety Commission.

1. Spa or hot tub water temperatures should never exceed 104°F [40°C]. A temperature of 100°F [38°C] is considered safe for a healthy adult. Special caution is suggested for young children. Prolonged immersion in hot water can induce hyperthermia.
2. Drinking of alcoholic beverages before or during spa or hot tub use can cause drowsiness, which could lead to unconsciousness and subsequently result in drowning.
3. Pregnant women beware! Soaking in water above 100°F [38°C] can cause fetal damage during the first three months of pregnancy (resulting in the birth of a brain-damaged or deformed child). Pregnant women should adhere to the 100°F [38°C] maximum rule.
4. Before entering the spa or hot tub, users should check the water temperature with an accurate thermometer; spa or hot tub thermostats may err in regulating water temperatures by as much as 4°F (2.2°C).
5. Persons taking medications, which induce drowsiness, such as tranquilizers, antihistamines or anti-coagulants, should not use spas or hot tubs.
6. If the pool/spa is used for therapy, it should be done with the advice of a physician. Always stir pool/ spa water before entering the pool/spa to mix in any hot surface layer of water that might exceed healthful temperature limits and cause injury. Do not tamper with controls, because scalding can result if safety controls are not in proper working order.
7. Persons with a medical history of heart disease, circulatory problems, diabetes or blood pressure problems should obtain a physicians advice before using spas or hot tubs.
8. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above normal body temperature of 98.6°F [37°C]. The symptoms of Hyperthermia include: drowsiness, lethargy, dizziness, fainting, and an increase in the internal temperature of the body.

The effects of Hyperthermia include:

1. Unawareness of impending danger.
2. Failure to perceive heat.
3. Failure to recognize the need to leave the spa.
4. Physical inability to exit the spa.
5. Fetal damage in pregnant women.
6. Unconsciousness resulting in danger of drowning.

SAVE THESE INSTRUCTIONS

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 3 1/14/13 1:27 PM

Congratulations on your purchase of the Hayward Blu automatic pool cleaning system. The Hayward Blu cleaner is the smart, efficient way to clean your in-ground pool. The cleaner is powered by your pool's filter system and is designed to work well with most systems. Therefore the performance of the Hayward Blu cleaner in your pool will be relative to that power source. Because the operation and performance of the cleaner is system reliant, there is a remote possibility that a service call may be necessary to complete the proper installation of your Hayward Blu cleaner. Because this is an installation related call, it will be at the consumer's expense. Also, one or more of the accessories designed for the Hayward Blu cleaner, including additional hose sections, may be necessary for your installation. Consult your Hayward dealer for price and availability. For Technical assistance, call Hayward at (908) 355-7995.

For Your Records

Record the following information for your convenience.

1) Purchase Date _____

2) Serial Number _____

Note

The Hayward Blu cleaner should not be used to clean the pool during initial pool clean up or spring start up unless the conditions noted in Step 1 on the following page are met. On those occasions, where the pool is subjected to an abnormal debris load, maintenance steps should be taken to return the pool to normal operating conditions prior to installing the cleaner.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 4 1/14/13 1:27 PM

To prepare your pool for your new Hayward Blu automatic cleaner installation, please follow the easy steps listed below. After reading these instructions, the "Hayward Blu cleaner installation video will walk you through the installation process step by step in addition to providing you with some routine maintenance and troubleshooting tips.

Step 1

Check the pool and remove any large objects that might interfere with the cleaner's operation. Check to see that the water level is at the recommended level. Check the water chemistry to make sure that the water is properly balanced and that the pool is free from algae. Algae can adversely affect the operation of the Hayward Blu cleaner and its overall performance.

Step 2

Clean or backwash the filter and remove all debris from the pump basket prior to installing the Hayward Blu cleaner. These pool equipment maintenance steps should be performed on a regular basis according to individual pool conditions to maintain the optimal performance of your Hayward Blu cleaner.

Step 3

There are seven (7) connector hoses and one (1) leader hose with a hose cuff. The hose cuff has a orange sticker attached to it that reads "REMOVE LABEL AND CONNECT TO CLEANER".

Connect the special Hayward Blu hose sections together by pushing and twisting the tapered male connector end of each hose firmly into the open female end of the adjacent hose section (See Figure1). Depending on the size and shape of your pool it may not be necessary to use all of the hose sections. However, the leader hose must be used or the Hayward Blu cleaner will not operate properly. It is not necessary to bottom out the hose connections but they must be tight enough to prevent any air leaks. Wetting the hose ends prior to putting them together will make it easier to assemble.

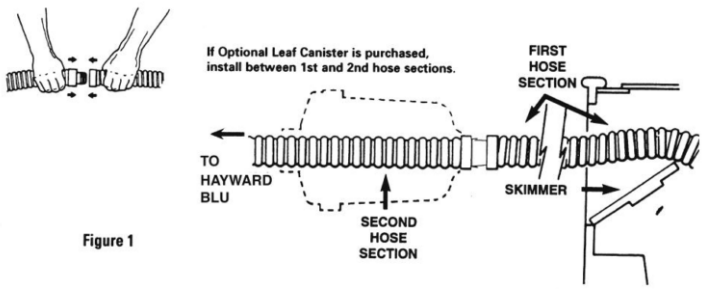


Figure 1

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 5 1/14/13 1:27 PM

Step 4

The cleaner hose should reach from the skimmer or Hayward Vac Lock installed on the pool wall to the farthest point in the pool plus two (2) extra hose sections. (The length of each hose section is four feet.) The total hose length supplied (32 feet) which has been determined to be sufficient for the majority of pools nationally. This extra length is critical for proper operation of the Hayward Blu cleaner. If the provided hose is not long enough, it will be necessary to purchase additional hose sections from your Hayward dealer. After the correct hose length has been assembled, fill hose completely with water. Insert (V574) flow gauge in to the leader hose, then attach the c-clip of the gauge onto the first hose section. Make sure the flow gauge is under water. (See Figure 2)

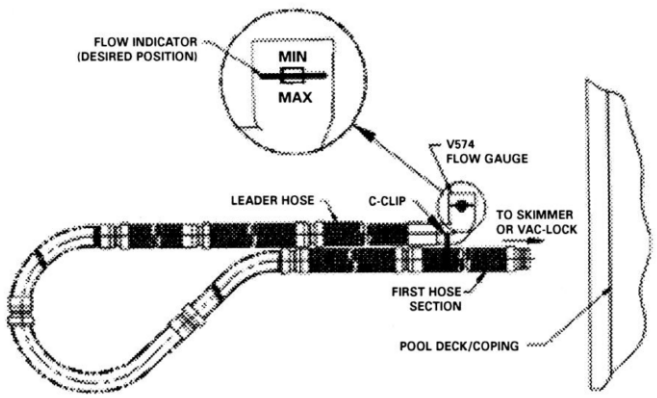


Figure 2

Step 5

Turn the filter system on and allow it to run for several minutes to eliminate any air in the system. Connect the (V093C) skimmer cone to the tapered male end of the vacuum hose if you are connecting the hose to your skimmer. Then insert the cone into the suction port of the skimmer (See Figure 3). If you are using a Hayward Vac Lock installed on the pool wall, insert the hose end directly into the Vac Lock fitting without using the cone. (Refer to the "Important Tips" section for more specific skimmer information).

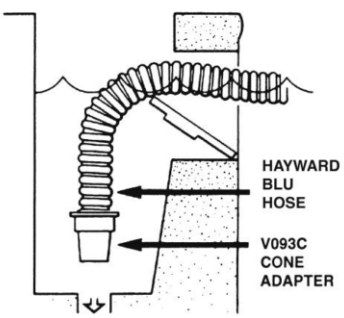
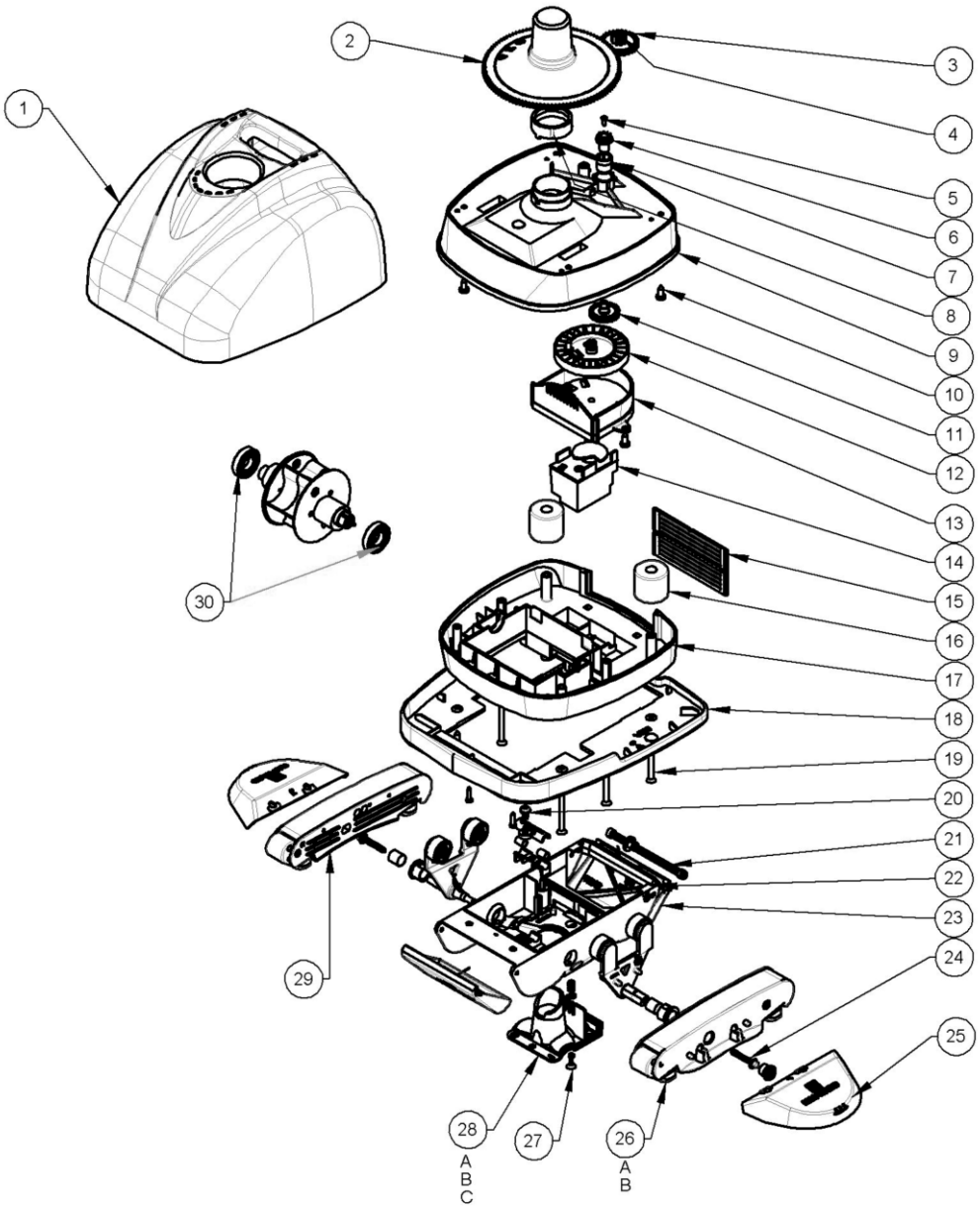


Figure 3

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 6 1/14/13 1:27 PM



Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 7 1/14/13 1:27 PM

ITEM #	PART NUMBER	DISCRIPTION
1	AXV413SB	TOP COVER, BLU
2	AXV070	CONE GEAR, CLEAR
3	AXV301	INTER GEAR
4	AXV309	INTER GEAR SHAFT
5	AXV068	SPINDLE GEAR SCREW
6	AXV303	CONE SPINDLE GEAR
7	AXV066A	SPINDLE GEAR BUSHING
8	AXV306	CONE GEAR BUSHING
9	AXV060WH	UPPER MIDDLE BODY, WHITE
10	AXV065P	UPPER BODY SCREW KIT (6 PACK)
11	AXV064A	MEDIUM TURBINE DRIVE GEAR
12	AXV062C	MEDIUM TURBINE
13	AXV009	MEDIUM TURBINE CASE/AXLE ASSY
14	AXV408P	GEAR BOX ASSY
15	AXV051AWH	SCREEN WHITE
16	AXV054P	FLOAT (2 PACK)
17	AXV050CWH	LOWER MIDDLE BODY, WHITE
18	AXV605WHP	BUMPER, WHITE
19	AXV057P	MIDDLE BODY SCREW KIT (6 PACK)
20	AXV313	LOWER BODY SCREW KIT (4 PACK)
21	AXV031B	FLAP ADJUSTER
22	AXV230DWH	OPEN LOWER BODY, WHITE
23	AXV434WHP	FLAP KIT, WHITE
24	AXSCR4008	POD SCREW (2 PACK)
25	AXV604WHP	WING KIT, WHITE
26a	AXV413P	LARGE SHOES, VINYL (4 PACK)
26b	AXV414P	SHOES, CONCRETE (4 PACK)
27	AXV314P	CAPTIVE SCREW WITH CLIP
28a	AXV603A	ACCESS COVER ASSY, VINYL
28b	AXV603	ACCESS COVER ASSY, CONCRETE
28c	AXV603CLO	ACCESS COVER ASSY, CONCRETE-LARGE SKIDS
29	AXV417WHP	POD KIT, WHITE
30	AXV055P	MAIN TURBINE BEARINGS (2 PACK)
-	AXV621DAT	A-FRAME TURBINE KIT
-	AXV414604WHP	SHOE & WING MAINTENANCE KIT
-	AXV621417WHP	A-FRAME & POD TUNE UP KIT
-	AXV622604WHP	PROPULSION & WING REBUILD KIT

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 8 1/14/13 1:27 PM

Step 6

Check the water flow reading on the flow gauge. (Refer to Step 4, Figure 2). The black disk should be in the box between the "MIN" and "MAX" markings. If the setting is higher than required with the black disk outside of the box on the "MAX" side and you have connected your hose to the skimmer, it will be necessary to reduce the vacuum/water flow by making an adjustment to a valve or valves for the filter system, add the Hayward (V094) regulator valve or the optional Hayward automatic skimmer vacuum plate. In order to install the (V094) regulator valve it is necessary to turn the filter system off. Remove the hose from the (V093C) skimmer cone and completely close the regulator valve by rotating the blue collar clockwise until tight. Insert the regulator valve into the skimmer cone and insert the hose end into the regulator valve (See Figure 4).

Turn the filter system on and allow it to run long enough to eliminate any air in the system. Turn the blue collar counter clockwise until the proper reading appears on the flow gauge.
If a Hayward skimmer vacuum plate is used, follow the installation instructions included with the skimmer vacuum plate.

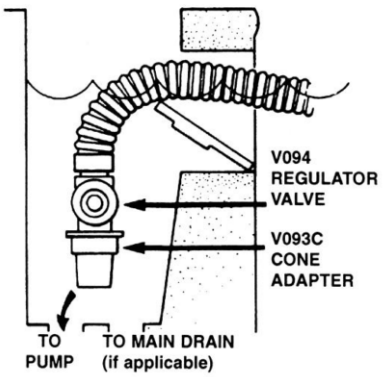


Figure 4

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 9 1/14/13 1:27 PM

Note

The (V094) regulator valve and the Hayward skimmer vacuum plate can only be used to reduce an initial vacuum reading that is too high. The regulator valve and the skimmer vacuum plate cannot be used to increase the initial vacuum reading. An initial reading that is too low to meet the water flow setting necessary to operate the cleaner is indicative of a system problem, and not a problem with the cleaner.

Contact your Hayward Blue Dealer for assistance with this situation.

If you have connected your hose to a Hayward vac lock installed on the pool wall, it may be necessary to adjust the vacuum/water flow using a diverter valve at the filter system. The handle on the diverter valve should be turned so that the flow gauge which is installed in the Hayward Blu hose reads properly (See Figure 2). After the diverter valve has been properly adjusted, the valve handle position should be marked so that the water flow can be adjusted by referring to the mark on the valve rather than reinstalling the flow gauge on the hose each time an adjustment is necessary.

Step 7

Turn off pump, remove the flow gauge from the hose and store in a convenient place. You may need to use the flow gauge to check the vacuum/water flow from time to time if the Hayward Blu is connected to your skimmer and you are using a Hayward regulator valve or a skimmer vacuum plate. If you are using a Hayward vac lock connection, regular use of the flow gauge will only be necessary if you neglect to mark the valve handle position at the equipment.

Step 8

Check the rear flap adjuster dial setting at the left rear of the Hayward Blu cleaner. It should be set at position number II which is the middle position (See Figure 5). Submerge the Hayward Blu cleaner into the water and remove all of the entrapped air. When escaping air bubbles cease, you are ready to connect the hose.

Connect the hose cuff of the leader hose to the Hayward Blu cleaner and submerge the hose to remove all air similar to process used when vacuuming the pool with a standard hand-vacuum (See Figure 6).

Do not use the return line inlet water to fill the Hayward Blu hose since this will force air into the cleaner head and possibly cause performance problems.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 10 1/14/13 1:27 PM

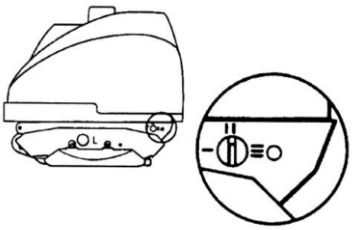


Figure 5

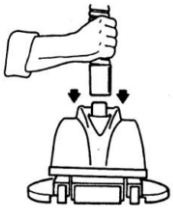


Figure 6

Step 9

Observe the Hayward Blu cleaner in operation and make sure that the flow from the return fittings is not affecting the cleaner and preventing it from cleaning the entire pool. If the Hayward Blu hose is being pushed across the surface of the pool, it will be necessary to redirect the return fitting flow downward which will allow the cleaner to move around the pool in its programmed cleaning pattern.

Step 10

When observing the Hayward Blu in operation, it should move around the whole pool without spending an excessive amount of time against the steps or other obstructions (corners, vertical walls, ladders, etc).

Step 11

The Hayward Blu cleaner will climb the vertical walls in concrete and fiberglass swimming pools if there is at least a twelve inch (12") radius where the walls and floor meet. Hayward Blu's wall climbing is governed by the programmed steering, and therefore it will not climb the wall each time it comes in contact with a wall. When the cleaner does start up a wall, it will not always go all the way up the wall. If the Hayward Blu cleaner does not stay on the wall as it is trying to climb, turn the rear flap adjuster to position number III (See Figure 5).

If the Hayward Blu cleaner climbs to the water's surface and starts to suck air, turn the rear flap adjuster to position number I (See Figure 5). If the cleaner continues to climb too high, reduce the water flow until the proper operation is achieved.

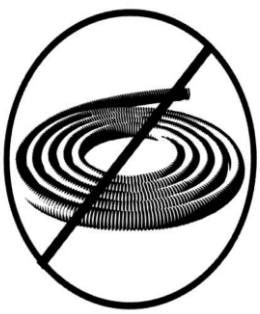
Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 11 1/14/13 1:27 PM

Approximately eighty percent (80%) of the dirt in a concrete pool will be on the floor of the pool. Approximately twenty percent (20%) of the dirt will be on the walls. Your Hayward Blu cleaner will spend its cleaning time accordingly.
Due to the shape (severe angles) of many in-ground vinyl liner pools, the Hayward Blu's cleaning capabilities may be confined to the bottom (both shallow and deep) and the hopper sides. Hayward Blu may not climb the vertical walls of some vinyl liner pools. However, normal dirt and debris do not typically adhere to these types of walls in a vinyl pool.

DO NOT COIL HOSE

When storing your cleaner the hose sections must be stored straight rather than coiled. A coiled hose will create a memory in the hose that will significantly reduce the Hayward Blu's ability to move properly in your pool. Coiled hoses are not covered under the Hayward warranty. When removing the Hayward Blu from your pool, be sure to grasp the cleaner by its handle rather than the hose to prevent damage to the cleaner. Always disconnect the hose from the cleaner when removed from the pool to prevent memory damage to the hose.



1. Skimmers come in many configurations and cannot all be described in this manual but the three most common types are covered below:

Many skimmers have two (2) holes in the bottom. There may be a float valve or cover plate over the holes. Remove everything in the skimmer, exposing the holes. The rear hole is usually the suction port. In some cases it will be necessary to use the (V094) regulator valve to control water flow to the Hayward Blu cleaner (See Figure 4).

Some skimmers have only one (1) hole in the bottom. In this case the suction port is usually controlled by the valve at the filter system and most likely will not need (V094) regulator valve (See Figure 3).

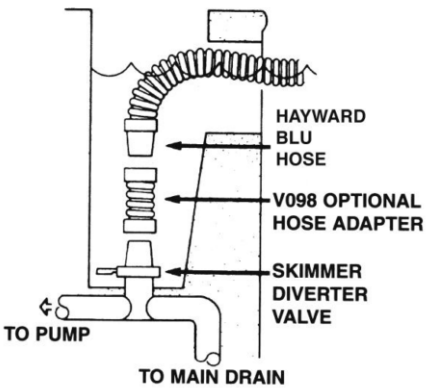
Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 12 1/14/13 1:27 PM

Some skimmers have a diverter valve in the bottom of the skimmer. This valve can be turned to regulate skimming and main drain suction. Turning the valve from full skim to main drain suction will adjust the reading on the flow gauge. Usually this valve has the same male connection as the Hayward Blu hose end and it is therefore necessary to purchase a (V098) hose adapter to make this connection (See Figure 7). After the proper flow gauge reading has been established, the diverter valve should be marked if possible to identify the proper setting for optimal cleaner performance.

2. Periodically check the vacuum/water flow to be sure that the Hayward Blu is operating as efficiently as possible. Remember, too much vacuum will cause premature wear of you new cleaner.
3. Periodically check to make sure that the Hayward Blu hose is securely attached to its suction source (i.e. skimmer, vac lock wall fitting, skimmer vacuum plate, etc.)
4. Disconnect the Hayward Blu hose from the regulator valve in the skimmer prior to backwashing.
5. Never coil the Hayward Blu hose. Coiled hose is not covered under the warranty.
6. When the Hayward Blu is out of the pool, always disconnect the leader hose from the Hayward Blu head.
7. Always carry Hayward Blu by the molded-in handle.
8. When swimming in the pool, remove Hayward Blu from the water.
9. When super chlorinating or shocking your pool, make sure the cleaner and its hose are removed prior to doing so.

Figure 7



Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 13 1/14/13 1:27 PM

1. Check the condition of the *"shoes, wings and flaps"* periodically. The shoes and wings have wear indicators on their sides and should be checked occasionally to determine if they need to be replaced. The shoe wear indicator is the line on the side of the shoe that appears as a difference in texture. If the texture difference is no longer visible at the bottom of the shoe when viewed from either side, the shoes must be changed (See Figure 8). Also on the side, the wing wear indicator is the horizontal line which has three (3) vertical lines above it. If you can no longer see the horizontal line, the wings must be changed (See Figure 9). The Hayward (AXV414604WHP) shoe and wing maintenance kit is available from your Hayward dealer. Shoes, wings and flaps may also be purchased separately.

2. SHOE REPLACEMENT:

a) Turn unit upside down.

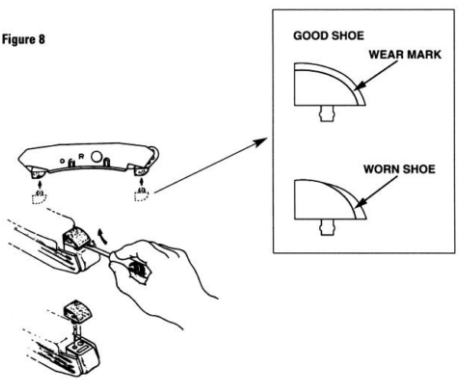
b) Insert a small flat screwdriver between white plastic foot and the shoe on one of the pods (See Figure 8).

c) Using a lifting motion, remove the shoe from the plastic foot.

d) For ease of installation installation, dip the new shoe in water and press it on to the plastic foot making sure that the small post matches up with small hole and the large post matches up with the large hole. The posts and holes are different sizes in order to prevent the shoes from being improperly installed.

e) Repeat Steps b, c and d for each shoe.

Figure 8



Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 14 1/14/13 1:27 PM

3. WING REPLACEMENT:

a) Using a small flat screwdriver, remove the plugs from both pods (See Figure 9).

b) Remove the old wings by raising the wings up toward the sides of the cleaner and lifting them off their hooks (See Figure 10). If any of the wing hooks are broken, take the cleaner to your Hayward dealer for a pod replacement since the unit will not function properly if the wings are not securely attached with the pod hooks.

c) Replace the wings making sure that the "L" (left) and "R" (Right) identifiers on the wings match with the pods.

d) Replace the pod plugs and tap them into place for a secure fit.

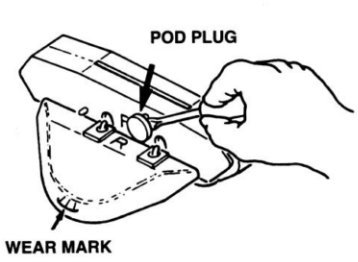


Figure 9

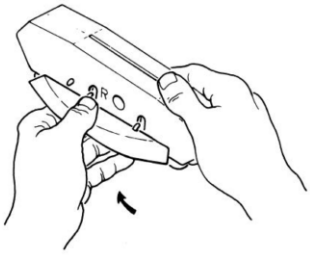


Figure 10

4. FLAP REPLACEMENT:

a) Remove the front and rear flaps from your Hayward Blu cleaner by inserting a small flat screwdriver between the flap and the lower body near the pivot point of the flaps (See Figure 11).

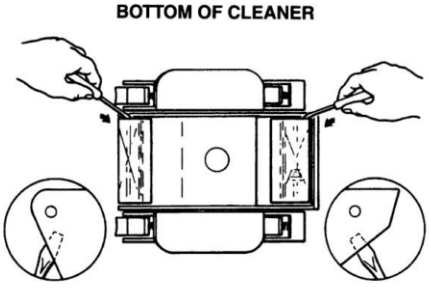


Figure 11

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

b) You will notice that your replacement flaps look similar but are marked “Front” and “Rear” on the inside of the flap. Because the springs on the flaps are different, it is absolutely necessary to install the proper flap in the front and rear of the unit**.** Failure to do so will result in unsatisfactory performance of the Hayward Blu cleaner. When installing the front flap, be sure that the extended leg of the spring is inserted into the notch on the front of the lower body (See Figure 12). Push the flap in place. You will actually feel and hear a snap when the flap is in place. Fold the flap in towards the bottom of the Hayward Blu cleaner. You will feel some resistance at this point which is normal. As the flap snaps into its normal position, you will feel the spring action and notice that the front flap is now in its normal operating position. When installing the rear flap, the extended leg of the spring must fit against one of the flat surfaces of the cam (See Figure 12). After positioning the spring, follow same insertion and folding process as front flap.

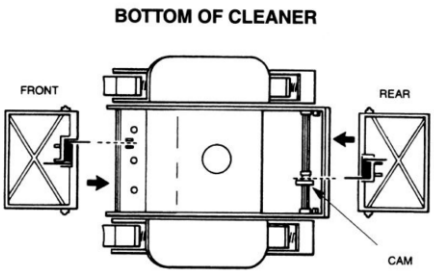


Figure 12

5. Hayward Blu BUMPER REPLACEMENT:

Replacement of the Hayward Blu bumper is not recommended as a “do it yourself” repair since there is a possibility that this replacement procedure could cause a problem in the propulsion system if not followed carefully. We strongly suggest that you consult your Hayward Blu dealer to perform this repair.

A #2 Phillips screwdriver is necessary for this repair.

a) Turn off pump.

b) Remove Hayward Blu from pool.

c) Disconnect Hayward Blu from leader hose.

d) Turn Hayward Blu upside down, and place it in a position that is steady/firm.

e) Locate and loosen the captive screw behind the throat in the center of the cleaner (See Figures 13, 14 & 15).

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 16 1/14/13 1:27 PM

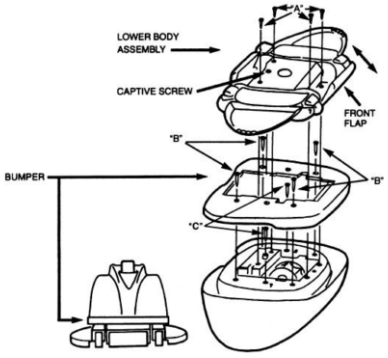


Figure 13

f) Remove access cover assembly (See Figures 14 & 15).

g) Remove four (4) “A” screws (See Figure 13).

h) Lift the lower body assembly off of the Hayward Blu cleaner (See Figure 13).

i) Remove four (4) “B” screws (See Figure 13).

j) Remove bumper carefully, making sure that other cleaners parts are not moved or disturbed.

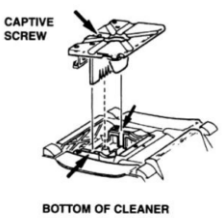
k) Replace bumper, again making sure that other cleaner parts are not moved or disturbed.

l) Reinstall screws and parts, following steps in reverse – i, h, g, f, e, d, c.

m) Reinstall Hayward Blu cleaner in pool per installation instructions and/or installation video.

Figure 14 - Hayward Blu - Concrete

Figure 15 - Hayward Blu - Vinyl



Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

6. Access Cover Assembly:

The purpose of the access cover assembly is to allow quick access to the turbine/vacuum chamber for easy cleaning and maintenance.

Should the Hayward Blu cleaner stop moving or become sluggish due to debris trapped in the throat or inside the unit, the turbine/vacuum chamber is accessible following the following instructions:.

1. Turn off pump.

2. Remove Hayward Blu cleaner from pool.

3. Disconnect Hayward Blu cleaner from leader hose.

4. Turn Hayward Blu cleaner upside down.

5. Locate and loosen the captive screw behind the throat in the center of the bottom (See Figures 14 and 15).

6. Remove access cover assembly (See Figure 14 and 15).

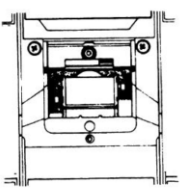
7. Clean turbine/vacuum chamber of any debris with fingers (See Figure 16).

8. Check turbine for free movement (rotation).

9. Reinstall access cover assembly by lining up the cover screen with the two slots shown in Figures 14 and 15. Then slide the cover in place and tighten the captive screw.

10. Reinstall Hayward Blu cleaner in pool per installation instructions and/or installation video.

Figure 16



TURBINE/VACUUM CHAMBER

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 18 1/14/13 1:27 PM

Problem: Slow or no forward movement

CAUSES	SOLUTIONS
Lack of or improper water flow through cleaner	Check water flow with flow gauge and adjust as per Step 6, Figure 2 of installation instructions.
Blockage of Hayward Blu cleaner throat or turbine	Clear Blockage
Worn shoes	Replace shoes
Worn Wings	Replace wings
Improper cleaner model for surface application	Call (908) 355-7995

Problem: Cleaner fails to climb vertical walls gunite/concrete or fiberglass pool

CAUSES	SOLUTIONS
Improper shoes for surface application	Call (908) 355-7995
Lack of or improper water flow through cleaner	Check water flow with Flow Gauge and adjust as per Step 6, Figure 2 of installation instructions.
Blockage of Hayward Blu cleaner throat or turbine	Clear blockage
Worn shoes	Replace shoes
Worn wings	Replace wings
Hose too short	Install additional hose sections per installation instructions
Improper tension on rear flap	Turn rear flap adjuster to number III setting

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 19 1/14/13 1:27 PM

Problem: Cleaner climbs to water surface and sucks air

CAUSES	SOLUTIONS
Too much water flow through cleaner	Check water flow with flow gauge and adjust per instructions in Step 6 of installation instructions.
Improper tension on rear flap	Turn rear flap adjuster to number I setting. If still climbing too much, reduce water flow until proper operation is achieved
Steering failure	1) Clean all debris off of rear screen 2) Check to see that cone gear rotates smoothly in both directions 3) Check gear box assemblies for proper operation

Problem: Cleaner head floats

CAUSES	SOLUTIONS
Air trapped inside cleaner head	Remove all air from cleaner head as described in installation instructions
The cleaner head is being pulled or lifted off the bottom of the pool by the cleaner hose.	If cleaner head and hose are covered with fine bubbles, lightly shake them back and forth to release the air bubbles and allow the cleaner head to settle to the bottom of the pool. To prevent the more air bubble from attaching to the head and hose, it is necessary to stop all air from entering the pool through the return lines. Adjust the return fittings down to prevent water flow from pushing the hoses on the surface of the pool.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 20 1/14/13 1:27 PM

Problem: Cleaner sticks at steps, corners, etc.

CAUSES	SOLUTIONS
Improper water flow	Check water flow with Flow Gauge and adjust as per Step 6, Figure 2 of installation instructions
Worn shoes	Replace shoes
Worn wings	Replace wings
Hose too short	Install additional hose per installation instructions
Steering Failure	1) Clean all debris off of rear screen 2) Check to see that cone gear rotates smoothly in both directions 3) Check gear box assembly for proper operation 4) Check pod and A-frame connections for snug fit .

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 21 1/14/13 1:27 PM

A) Pool plaster is affected by age and water chemistry

B) Pool plaster can deteriorate over a period of time due to these elements

C) The integrity of “good” pool plaster is such that a pool vacuum cleaner, automatic or manual cannot remove that plaster.

D) The integrity of “good” pool plaster is such that the plaster will cause wear on the Hayward Blu cleaner, not vice versa.

E) Vinyl liners are affected by age, sunlight and water chemistry.

F) Vinyl liners can become brittle and weak over time as they are exposed to these elements.

G) Vinyl liners can also be affected by how they are installed and the pool’s surroundings.

H) When installing the Hayward Blu, you must assume all responsibility for the condition of the pool and the pool’s surroundings.

To better serve you, please have the following information available if you call Hayward’s Technical Service Department at (908) 355-7995:

1) The purchase date of your Hayward Blu cleaner

2) The serial number of your Hayward Blu cleaner (located on label on the bottom of cleaner)

3) The number of hose sections used when installed on your pool.

4) The most recent water flow reading from your flow gauge per Step 6, Figure 2 of installation instructions.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 22 1/14/13 1:27 PM

HAYWARD® Pool Products Limited Warranty

To original purchasers of this equipment, Hayward Pool Products, Inc. warrants its cleaners to be free from defects in materials and workmanship for a period of ONE (1) year from the date of purchase, when used in single family residential applications.

The limited warranty excludes damage from freezing, negligence, improper installation, improper use or care or any Acts of God. Parts that fail or become defective during the warranty period shall be repaired or replaced, at our option, within 90 days of the receipt of defective product, barring unforeseen delays, without charge.

Proof of purchase is required for warranty service. In the event proof of purchase is not available, the manufacturing date of the product will be the sole determination of the purchase date.

To obtain warranty service, please contact the place of purchase or the nearest Hayward Authorized Service Center. For assistance on your nearest Hayward Authorized Service Center please visit us at www.hayward.com.

Hayward shall not be responsible for cartage, removal, repair or installation labor or any other such costs incurred in obtaining warranty replacements or repair.

The Hayward Pool products warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

The express limited warranty above constitutes the entire warranty of Hayward Pool Products with respect to its' pool products and is in lieu of all other warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose. In no event shall Hayward Pool products be responsible for any consequential, special or incidental damages of any nature.

Some states do not allow a limitation on how long an implied warranty lasts, or the exclusion of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Hayward Pool Products
620 Division Street
Elizabeth, NJ 07207

***Supersedes all previous publications.**

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.

220318_BluManual_r3.indd 23 1/14/13 1:27 PM

PRODUCT REGISTRATION

(Retain For Your Records)

DATE OF INSTALLATION _____

▲Retain this Warranty Certificate (upper portion) in a safe and convenient location for your records.

DETACH HERE: Fill out bottom portion completely and mail within 10 days of purchase/installation or register online.

AUTOMATIC SUCTION CLEANER Warranty Card Registration

Register online at www.hayward.com

Please Print Clearly:

First Name_____ **Last**

Name_____

Street

Address_____

City_____ **State**_____

Zip_____

Phone Number_____ **Purchase**

Date_____

E-Mail

Address_____

Serial Number

Years Pool has been in service

< 1 year 1-3 4-5 6-10 11-15

>15

Purchased from_____

Builder Retailer Pool Service

Internet/Catalog

Company

Name_____

Type of Pool:

Concrete/Gunite Vinyl Fiberglass

Other_____

New Installation Replacement

Installation for:

In Ground Above Ground Spa

Hayward is a registered trademark of Hayward Industries, Inc.
© 2011 Hayward Industries, Inc.

Hayward only guarantees the quality, performance and safety of its products when assembled with genuine Hayward manufactured parts.
Use of non genuine Hayward manufactured parts will void all warranty.