

CYBORG

POOL CLEANING SYSTEM

Operator's Manual






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WARNINGS AND SAFTY INFORMATION

Safety is essential in the use and maintenance of Cyborg Pool Cleaner. This operator's manual provides information for avoiding hazards and unsafe practices related to the use of this cleaner. Read and follow all instructions and markings in this operator's manual. **FAILURE TO OBSERVE THIS SAFETY INFORMATION COULD RESULT IN SERIOUS INJURY OR DEATH.**

Suction Hazards and Drowning Risks

-  If your pool is equipped with one, you **MUST cover your dedicated suction port/vac port/automatic pool cleaner port** when not in use by the cleaner.
-  **DO NOT** play with cleaner or apply cleaner or hose to body, clothing, or hair. The hose and cleaner can take hold of your body, hair, or clothing. The suction from the hose or cleaner, or just the hose or cleaner alone, can trap a swimmer underwater. **NEVER ALLOW ANYONE TO ENTER THE POOL** when the cleaner is in use.
-  **DO NOT** allow anyone, especially children, to use or play with or around the cleaner or hose. Educate the pool users about the dangers of the hose, cleaner, and suction ports.

Moving parts

-  **STOP PUMP** Cleaner must be completely disabled by turning off the pool's pump and suction before cleaning or maintaining the cleaner. Moving parts and suction can injure fingers or body.
-  **STOP PUMP** before swimming. The moving pool cleaner, hose, and suction ports can injure or entrap swimmers. **STOP PUMP**, detach hose, and move the cleaner and hose to an unused corner of the pool. If the hose may interfere with the swimmers, remove it from the pool.

GENERAL INFORMATION

Prior to Installation

- Carefully follow all instructions contained in this manual. Failure to do so may inhibit the cleaner's operation or damage your pool. The manufacturer disclaims any liability for repairs or replacement to any structures or components in the customer's pool.
- This cleaner was not designed to be the first clean after pool construction or at the beginning of the season.
- Check your vinyl pool for wear or tear, or for roots, branches, rocks, or other obstructions under the liner. Gunite, plaster, and the tile pools must be free of deterioration, cracked or loose tiles, or other conditions that could damage the cleaner. All pools must be cleaned of algae and debris prior to the cleaner's first use.
- The entire filter system must be cleaned prior to installation: Clean the filter. Empty, backwash, and rinse all baskets. The cleaner will not operate properly with a dirty or clogged filter system.

After Installation

Carefully assess the cleaner's operation after installation. Some slight adjustments may be needed to ensure proper performance and to ensure that the cleaner does not damage or cause undue wear to the pool surface. Vinyl pools especially are at risk for abrasion, pattern wear, pattern or ink removal, or serious scratches from the cleaner running into objects or debris in the pool. Manufacturer disclaims any liability for damages caused to vinyl pool patterns or liners.

Disclaimer of Liability

There are many factors can affect your pool life and the pool cleaner is a very passive product that will have no impact on pool life. Pool cleaner will not cause wear on "good" pool surface. Please be aware of the pool surface wear, tear or other issues caused by age, an imbalance in pool water chemistry, improper installation and other factors. The manufacturer disclaims any liability for repairs or replacement to any structures or components of the customer's pool. The pool owner must assume all responsibility for the condition and maintenance of the pool's surface, water and deck.

TIPS FOR USAGE

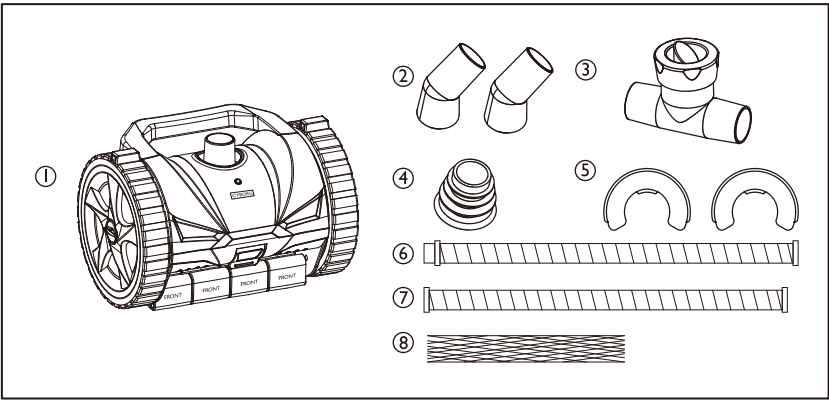
- Once installed, your cleaner is designed to run for 4-6 hours and should clean an average sized pool in that time.
- Your pool needs to be in good condition in order to use this cleaner. If there are broken tiles, crumbling plaster, or tears in the vinyl, the cleaner may damage your pool further as well as be damaged itself.
- The cleaner is not designed to clean pool features, waterfalls, steps or ladders. Those will need to be cleaned manually with a brush.
- The cleaner is not designed to run or clean under a solar cover.
- Run your cleaner 2-3 times a week.
- Do not wait until your pool is filthy to run the cleaner. The cleaner should be considered a preventative maintenance for a clean pool.
- The cleaner is meant to vacuum small debris and dirt from your pool. Large debris and fallen objects will need to be removed manually.
- This cleaner is not meant to replace chemical treatments. Continue regular chemical treatments and remove the cleaner during chemical shock treatments.
- Before swimmers enter the pool, turn off the pump, unplug the hose, cover the intake, and then move the cleaner and hose to an unused side of the pool.
- Your cleaner should stay in the pool at all times, **EXCEPT** when it may endanger or entangle swimmers or during shock treatments. Dry storage will wear the cleaner/hose more quickly than storage in a correctly balanced pool.

POOL PREPARATION

Before installing this cleaner, make sure your pool is clean and free of algae, so it would not inhibit the cleaner’s traction. Please also check the preparations below if necessary.

- Chemically balance the pool water.
- Brush pool and let the debris settle.
- Hand vacuum thoroughly.
- Clean filter and pump strainer basket.

PARTS LIST

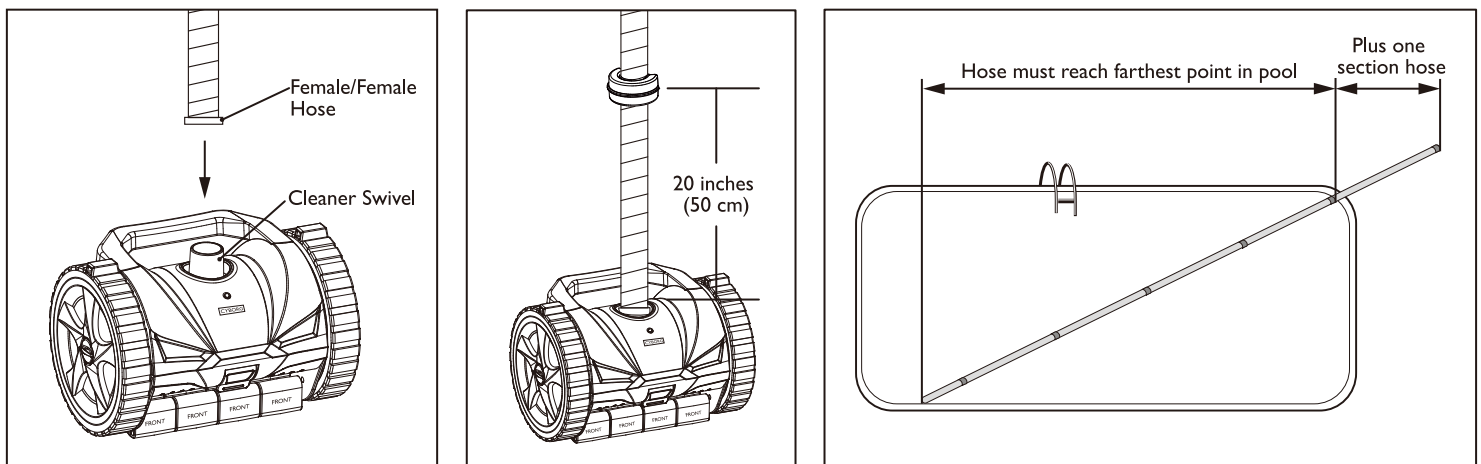


Item	Qty.	Description
1	1	Complete Turbine Action Body
2	2	45° Elbow
3	1	Regulator Valve
4	1	Intake Adaptor
5	2	Hose Float
6	11	1 M Male/Female Hose
7	1	1 M Female/Female Hose
8	1	Hose Protector

CLEANER ASSEMBLY

Hose Assembly

1. Take out the Female/Female hose and connect it to the cleaner swivel.
2. Twist and push the female ends onto the male ends for connecting the hose sections.
3. Position cleaner at the farthest point of the pool from where it's attached. Use a pool pole and brush to easily position the cleaner in the pool.
4. Hose should reach from where the cleaner is connected to the farthest point of the pool, plus one section hose. **Note:** Pump must be on when you check the hose length since the hose contracts when pump is on and it would be longer when pump is off.
5. Hose float should be placed 20 inches (50 centimeters) above the cleaner. If needed, place the second hose float at 20 inches (50 centimeters) above the first float to make the Cyborg Pool Cleaner more stable.
6. Make sure that each hose is properly connected.
7. If the hose length is too long, remove the excess hoses from the middle of the hose assembly. This will prevent from changing the hose float position. **Note:** Make sure your pool pump is turned off when adding or removing hoses.

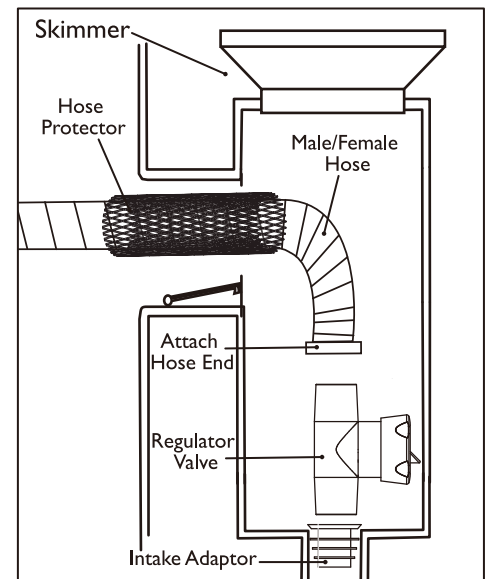


Pool Installation

This cleaner is designed to work for different style swimming pools. Check the installation of standard in-skimmer and optional vacuum line listed below to see which one fits your pool better and follow the directions.

Standard in-skimmer installation

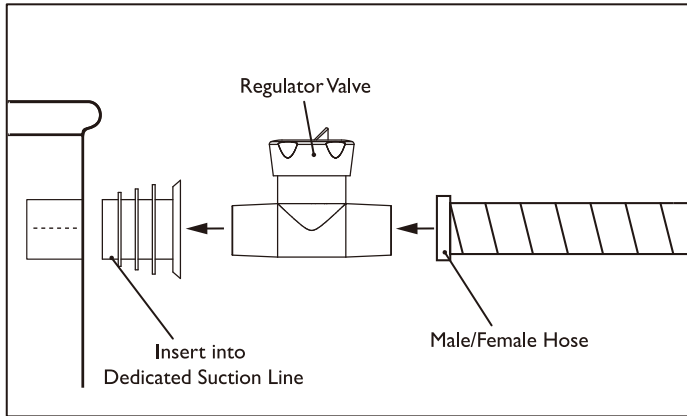
1. Turn pool pump off.
2. Close the main drain and all suction lines, except the line from the skimmer to which the cleaner will be connected.
3. Remove skimmer basket.
4. Insert the intake adaptor into the vacuum connection in the skimmer bottom.
5. Insert the regulator valve into the intake adaptor.
6. Put cleaner into the pool. Turn it side to side and front to back to release the trapped air, allowing the cleaner to sink to the floor of the pool. Continue to feed the hose vertically down into the pool until it is completely filled with water and purged of air. **Note:** If air is pulled into the pool plumbing it may cause your pump to lose prime.
7. Put the hose protector on the hose to prevent it from rubbing against the skimmer wall.
8. Insert the hose through the skimmer opening and connect it directly onto the regulator valve.



Optional vacuum line installation

1. Turn pool pump off.
2. Close the main drain and all suction lines, except the line from the skimmer to which the cleaner will be connected.
3. Insert the intake adaptor into the end of the dedicated suction line.
4. Insert the regulator valve into the intake adaptor.
5. Put cleaner into the pool. Turn it side to side and front to back to release the trapped air, allowing the cleaner to sink to the floor of the pool. Continue to feed the hose vertically down into the pool until it is completely filled with water and purged of air. **Note:** If air is pulled into the pool plumbing it may cause your pump to lose prime.
6. Insert the Female hose end of the last hose section directly into regulator valve.

Note: Turn pump on after finishing all installations. Let the pump run several minutes to make sure all air cycles out of the system.



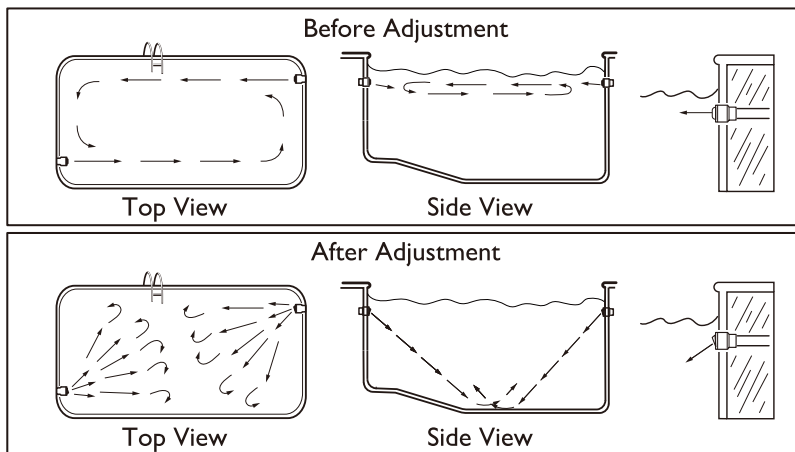
Return Line Water Flow

The return line water flow can push the cleaner hose and affect its performance. It may push the cleaner away from the pool end where return line is located, or stay in one place of the pool. Adjust the pool's return line eyeball diverter or install the included eyeball diverter and outer washer ring if needed.

Adjust the eyeball direction to redirect the return line water flow, so it does not interfere with the cleaner's movement. Try different directions to see which works best for your pool:

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

After adjusting the eyeball, turn the pool pump on. Your cleaner should clean up the debris in its path.



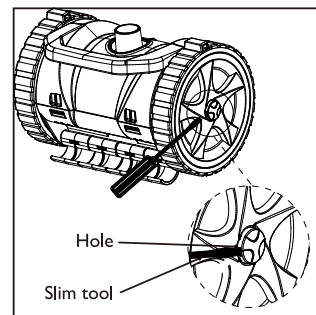
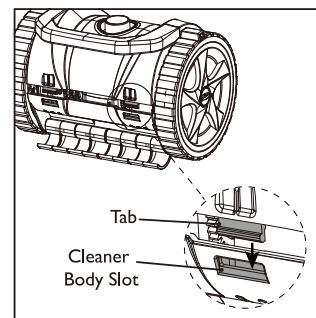
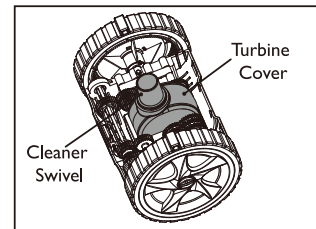
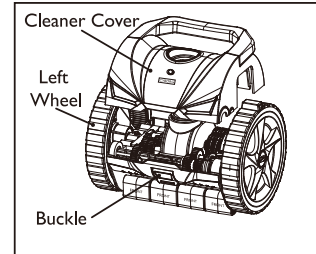
MAINTENANCE

This cleaner almost need no maintenance. You can check your cleaner sometimes to make sure that:

- Turbine moves freely and is not blocked by debris.
- Wheel tracks are not excessively worn.

Turbine Cleaning

1. Turn off your pool pump.
2. Take your cleaner out of the pool and disconnect it from the hose.
3. Check if there is anything clogged inside the cleaner. Face the cleaner buckle to you and try to rotate the wheel on your left hand forward. If the wheel rotates smoothly there probably is no obstruction. If it won't rotate there is an obstruction.
4. Open the buckle. Take off the cleaner cover.
5. Pull the turbine cover straight up and off of the cleaner body.
6. Take out all obstructions from the turbine and turbine cover.
7. Take out all visible obstructions from the gears, drive shafts, cleaner swivel, etc.
8. Put the turbine cover on cleaner with the "front" mark oriented towards the "front" mark on cleaner.
9. Rotate the wheel on your left hand again to make sure that the cleaner runs smoothly.
10. Put the cleaner cover on the cleaner body.
11. Place the tabs on the back side of the cleaner cover into the slots on the back side of the cleaner body. Once these tabs are seated in the slots the front of the cover will fall into place.
12. Lock the buckle on the front of the cleaner body.
13. Put your cleaner back to the pool and turn on your pool pump.



Wheel Hub Removing

1. Turn off your pool pump.
2. Take your cleaner out of the pool and disconnect it from the hose.
3. Put your cleaner on a flat surface and insert a slim tool into the hole on the side of the wheel hub and pry it off.

Wheel Track Replacement

You may need to replace the wheel tracks after long time use. The wheel track needs to replace when the wheel track surface has worn into the wheel track's grooves.

1. Turn off your pool pump.
2. Take your cleaner out of the pool and disconnect it from the hose.
3. Put your cleaner on a flat surface and fold the wheel track off of the wheel from top to bottom.
4. Replace a new wheel track on the wheel.

Note: DO NOT use tools to remove /replace the wheel track. It may damage the wheel. Remove /replace the wheel track by hand.

5. Put your cleaner back to the pool and turn on your pool pump.

TROUBLESHOOTING

Q1: Cleaner is not moving or is moving too slowly. The LED light will be off or flashing very slowly.

1. Check if there is any debris clog the turbine, gears, drive shafts, cleaner swivel, etc.
2. Adjust the flow by using regulator valve if needed.
3. Check if the main drain and all suction lines are closed, except for the suction line to which the cleaner is attached.
4. Check if the pump has primed and check for leaks in the system that may prevent proper priming.
5. Water flow may not be enough. May need to back wash the filter.
6. Check for obstructions in the system (e.g. debris in the filter, pump basket or pump impeller).
7. Pool pump and filter system may be too small to provide proper water flow. Consult your pool professional.

Q2: Cleaner does not clean whole pool or stays in one place.

1. Check that hose is long enough. Add hose sections if needed.
2. Adjust the pool's return line eyeball diverter if needed.
3. Make sure the main drain is not interfering with cleaner.
4. Adjust the flow by using regulator valve if needed.
5. Check for proper hose float placement. The float may be in the wrong position.
6. Make sure that the cleaner swivel (at top of cleaner) rotates smoothly. If not, the cleaner swivel may be dirty and require cleaning.
7. If the water temperature is 60°F (16°C) or less, may need to increase flow to compensate for the reduced flexibility of the hose.

Q3: Cleaner won't climb the pool walls.

1. Check if the cleaner wheel tracks are excessively worn. Excessively worn wheel tracks will not provide the grip necessary for your cleaner to climb pool walls.
2. Adjust the flow by using regulator valve if needed.
3. Check if the first section hose is connected to the cleaner correctly.
4. Check for proper hose float placement. The float may be in the wrong position.

Q4: Cleaner climbs the wall too much or climbs out of pool.

1. Adjust the flow by using regulator valve if needed.

Q5: Cleaner stays on the main drain.

1. Check to be sure that main drain is closed. May need assistance from a pool professional.
2. Check to be sure a main drain grate is installed.

Q6: Cleaner falls on its side and takes too long to recover.

1. Check if the first section hose is connected to the cleaner correctly.
2. Check for proper hose float placement. The float may be in the wrong position.
3. Check that hose is long enough. Add hose sections if needed.
4. Adjust the pool's return line eyeball diverter if needed.

Q7: Cleaner gets stuck at the corner or hangs on step edge.

1. Rotate the hose end that attached to the Skimmer some 10 turns. Do this when the cleaner is working.

LIMITED ONE YEAR WARRANTY

Before using the cleaner, review the operator's manual completely. Failure to read the operator's manual completely could result in pool damage caused by an improper installation of the cleaner. This warranty does not cover parts that are worn, scratched, faded as this is natural during normal operation in the pool. The warranty does not cover pools that are improperly maintained including water chemistry, pool surface construction and equipment failures. Pool plaster or vinyl damage is not covered under warranty of the cleaner. Misuse of the cleaner in any form is not covered including accidental misuse acts of God, or modifications to the cleaner by anyone other than the manufacturer.

All parts except the wearing parts (Wheel track, LED light) are covered by a One Year Warranty.