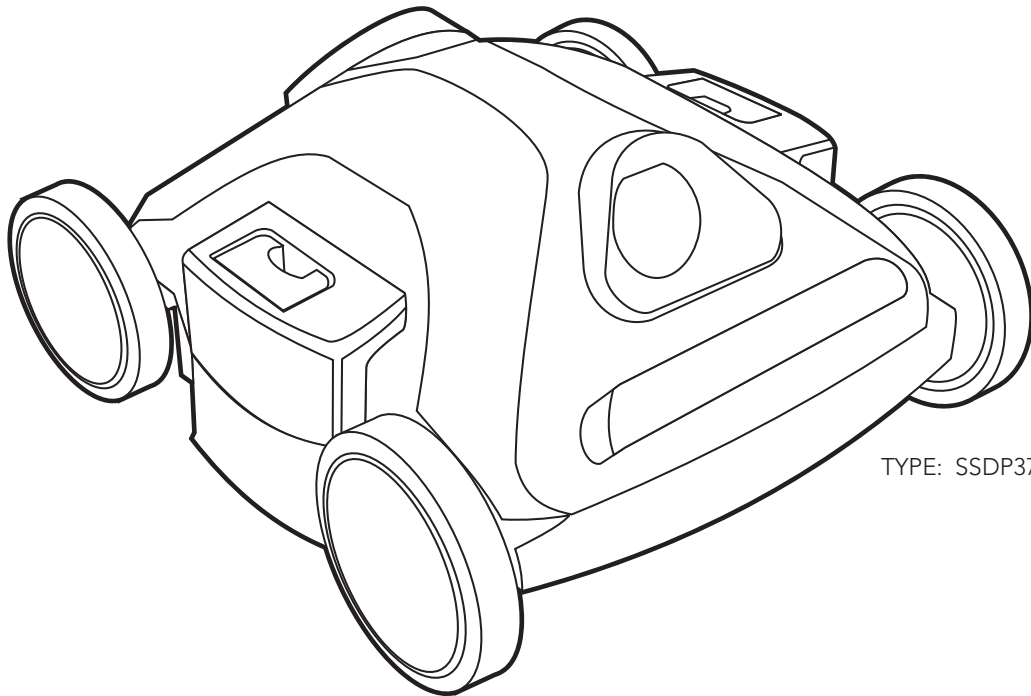


OWNER'S MANUAL



TYPE: SSDP37--

JAG

Robotic Cleaner



WARNING

FOR YOUR SAFETY - For anything other than the routine cleaning and maintenance described in this manual, this product must be serviced by a pool technician who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. In the event no such state or local requirement exists, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Improper installation and/or operation may void the warranty.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules and IC licence-exempt RSS standard. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Any changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference including interference that may cause undesired operation of the device.

THANK YOU FOR PURCHASING THIS ROBOTIC POOL CLEANER.
YOUR ROBOTIC CLEANER HAS BEEN DESIGNED AND MANUFACTURED TO BE EASILY INSTALLED AND TO PROVIDE LOW MAINTENANCE OPERATION. PRIOR TO INSTALLING YOUR NEW CLEANER, PLEASE DO THE FOLLOWING:

- 1) Record your purchase information on the spaces provided below.
- 2) Attach your invoice (or a copy) to this page.

Taking these steps will help ensure prompt service, should it be required. If service is required, please contact your original dealer. If the original dealer does not perform warranty service, please call our Technical Support department at 1-800-822-7933.

RECORD YOUR CLEANER DATA HERE:

Date of Purchase _____ Purchased From _____ Serial Number: _____
(located on robot- head)
City _____ State/Province _____ Zip/Postal Code _____

TABLE OF CONTENTS

Section 1. Important Safety Instructions.....	4
Section 2. Cleaner specifications	5
2.1 General Specifications	5
Section 3. Connect to Power	5
Section 4. Install the Cleaner	6
4.1 Submerge in the Pool	6
4.2 Start / Stop Cleaning.....	7
4.3 Optimal Patterning/Cable Tangling	8
4.4 Remove from Pool.....	8
4.5 Remove Debris.....	8
4.6 Store the Cleaner When Not in Use.....	9
Section 5. Maintenance Tips	10
Section 6. Spare Parts	11
Section 7. Troubleshooting	11

SECTION 1. IMPORTANT SAFETY INSTRUCTIONS

Please read through the entire manual before installing your new robotic pool cleaner. The cleaner must be installed and operated as specified.

WARNING

Failure to comply with the following warnings can result in permanent injury, electrocution or death.

PREVENT ELECTRICAL SHOCK

To reduce risk of electrical shock:

- Connect unit to receptacle protected by a ground fault circuit interrupter (GFCI). Such a GFCI receptacle should be provided by a qualified installer and should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the 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 pump without the test button being pushed, a ground current is flowing, indicating the possibility of an electric shock. Do not use this product. Disconnect the cleaner and have the problem corrected by a qualified service representative before using.
- Per the United States National Electrical Code® (NEC®), keep the control box at least five (5) feet from the edge of the (pool/spa) water. In Canada, the Canadian Electrical Code (CEC) requires a minimum distance of 3 m (10 ft.) to be maintained between the pool edge and the control box. Never submerge the control box.
- Do not enter pool while the cleaner is in water.
- Do not bury cord. Locate cord so as to prevent it from being damaged by lawn mowers, hedge trimmers and other equipment.
- To reduce the risk of electrical shock, do not use the robotic cleaner or control box if the cord is worn or damaged. Contact Technical Support immediately for proper servicing and replacement of the damaged cord.
- Double insulation—For continued protection against possible electric shock, use only identical replacement parts when servicing. Do not attempt repair of the robotic cleaner, control box, power cord, or floating cable.
- NEVER OPEN CONTROL UNIT.
- DO NOT USE AN EXTENSION CORD TO CONNECT THE UNIT TO ELECTRIC SUPPLY; PROVIDE A PROPERLY LOCATED GFCI RECEPTACLE. THE CONTROL BOX SHOULD BE PLUGGED INTO THE GFCI RECEPTACLE BOX.

PREVENT CHILD INJURY AND DROWNING

- To reduce the risk of injury, do not permit children to operate this product.
- Do not let anyone, especially small children, sit, step, lean, or climb on any equipment installed as part of your pool's operational system.

CAUTION

Failure to comply with the following warnings could cause damage to pool equipment or personal injury.

- The cleaner must be installed and operated as specified.
- Clean out the debris from the cleaner after each use.
- Do not use the product in your pool if the water temperature is above 95°F (35°C) or below 55°F (13°C).

USE OF THE ROBOTIC CLEANER IN A VINYL LINER POOL

- Certain vinyl liner patterns are particularly susceptible to rapid surface wear or pattern removal caused by objects coming into contact with the vinyl surface, including pool brushes, pool toys, floats, fountains, chlorine dispensers, and automatic pool cleaners. Some vinyl liner patterns can be seriously scratched or abraded simply by rubbing the surface with a pool brush. Ink from the pattern can also rub off during the installation process or when it comes into contact with objects in the pool. We are not responsible for, and the Limited Warranty does not cover, pattern removal, abrasion or markings on vinyl liners.

SAVE THESE INSTRUCTIONS

SECTION 2. CLEANER SPECIFICATIONS

2.1 GENERAL SPECIFICATIONS

The general specifications for the cleaner are as follows:

Control box supply voltage	100-240 VAC, 50-60 Hz
Output voltage	30 V DC
Installed load	100 W max

When unpacking the cleaner and its components:

- Check cleaner and components for damage during transport.
- If there are any missing parts or damage, contact Technical Support at 1-800-822-7933.

SECTION 3. CONNECT TO POWER

WARNING

Failure to comply with the following warnings can result in permanent injury, electrocution or drowning.

PREVENT ELECTRICAL SHOCK

- U.S.: Per NEC® requirements, keep the control unit at least five (5) ft. (1.5 m) from the edge of the pool.
CANADA: Per CEC requirements, keep the control unit at least three (3) m (10 ft.) from the edge of the pool.
- Only connect the control unit to a receptacle protected by a ground fault circuit interrupter (GFCI). Contact a certified electrician if you cannot verify that the receptacle is protected by a GFCI.
- Do not use an extension cord to connect the control unit.
- Do not allow anyone to swim while the cleaner is in the pool.
- The control unit is not waterproof. In order to prevent electrocution, never submerge the control unit or leave exposed to inclement weather.

1. Plug power supply into a GFCI outlet (Ground Fault Circuit Interrupter) (Figure 1). Power Supply must be 5 ft. from the pool's edge.

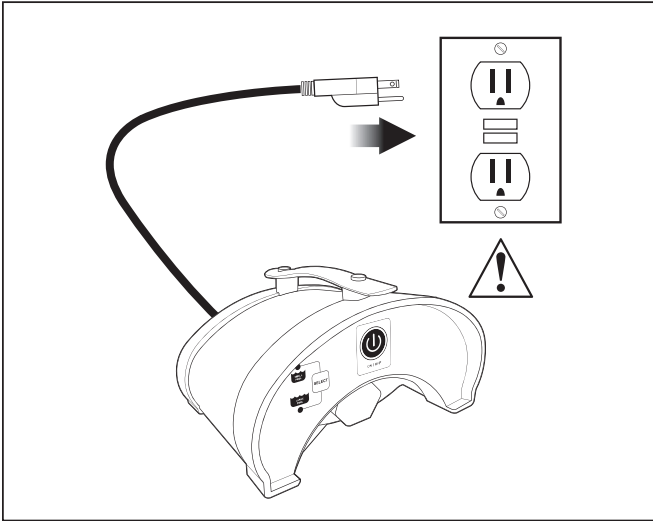


Figure 1. Plug into Power Supply

2. Straighten the floating cable. Lift the flap on the power supply and plug in the power cable (Figure 2).

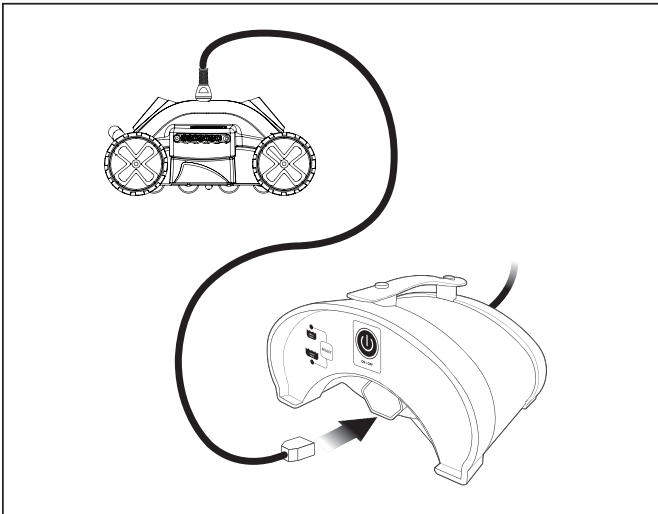


Figure 2. Connect the Power Cable

SECTION 4. INSTALL THE CLEANER

⚠ CAUTION

To prevent damage to the cleaner, be sure to adhere to the following guidelines:

- Remove the cleaner from the pool after the cleaning cycle is completed.
- Store cleaner out of direct sunlight out of direct sunlight or inclement weather.
- Never lift the cleaner out of the pool by the floating cable.
- Take additional care when lifting the cleaner out of the pool. It becomes heavier when filled with water.
- Always remove the cleaner from the pool before super chlorinating or adding acid.
- Do not handle cleaner while it is in operation.

IMPORTANT

- Always make sure the cleaner head is fully submerged before you begin operation.
- Clean out debris after each cleaning cycle.
- Do not leave your cleaner in the pool on a permanent basis.
- At the end of each cycle, remove the cleaner from the pool.
- Start at the cleaner head and untangle any coils in the cable before storing the cleaner.

4.1 SUBMERGE IN THE POOL

1. With the control box plugged into a GFCI outlet, spread the floating cable across the pool deck until you reach the middle of the pool length.

NOTE: For optimal patterning and reduced tangling, the floating cable should enter the water near the middle of the pool length.

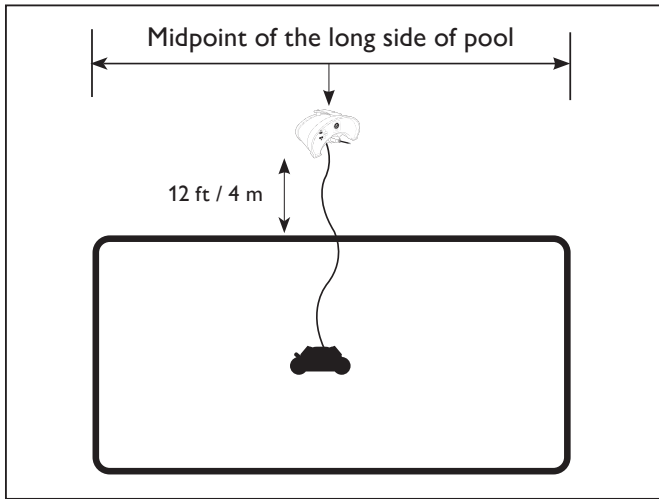


Figure 3. Pool Entry Point for Optimal Patterning

2. Submerge cleaner vertically and turn upside down until the bubbles stop to remove any air trapped inside (Figure 4).
3. When the bubbles stop, allow the cleaner to sink to the bottom of the pool.

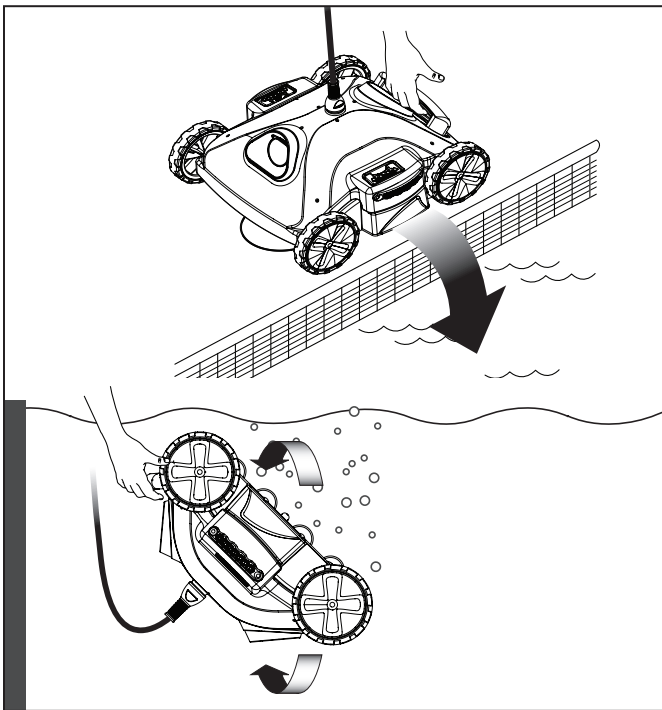


Figure 4. Submerge and Remove Trapped Air

4. Verify the cleaner is sitting right-side up on the bottom of the pool. Remove additional air if the cleaner is still floating.
5. Spread all of the floating cable carefully in the pool, ensuring there are no kinks or coils. Use only as much cable as you need to reach the farthest wall. This can help prevent cable tangling (Figure 5).

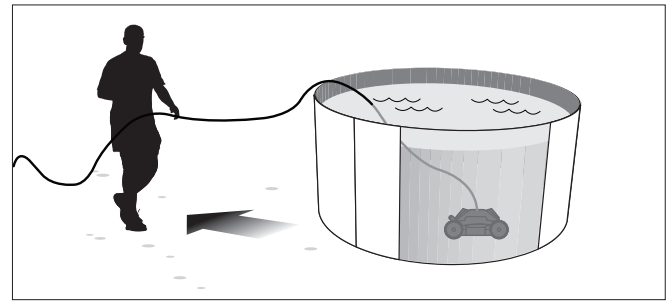


Figure 5. Spread Floating Cable to Prevent Tangling

4.2 START / STOP CLEANING

1. Press On/Off button to begin or interrupt cleaner operation (Figure 6).

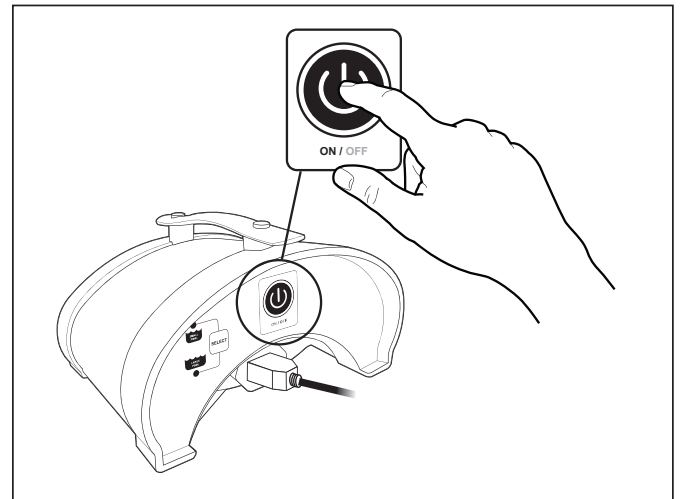


Figure 6. Begin Cleaning

2. Press SELECT button to choose between SMALL POOL and LARGE POOL. Cleaning duration for a small pool is 1 hour; for a large pool, duration is 2 hours (Figure 7).
3. Cleaner will begin to move.

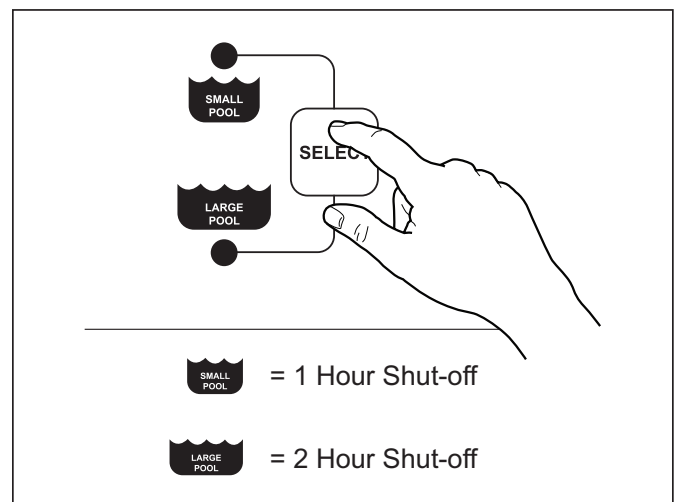


Figure 7. Select Pool Size and Duration

4.3 OPTIMAL PATTERNING/CABLE TANGLING

It is recommended to alternate the angle and direction of the cleaning path every cleaning cycle to ensure the cleaner is covering the whole pool, as well as prevent cable tangling.

1. Turn the cleaner upside down. Locate the wheel pins on the axle: one adjustable pin; one fixed pin. (Figure 8)
2. Reverse the positions of adjustable and fixed wheel pins (Figure 9).

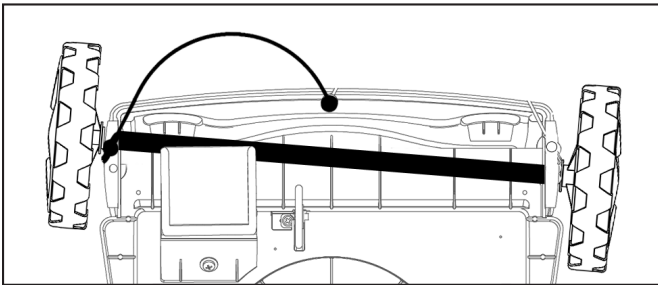


Figure 8. Change Wheel Turning Direction

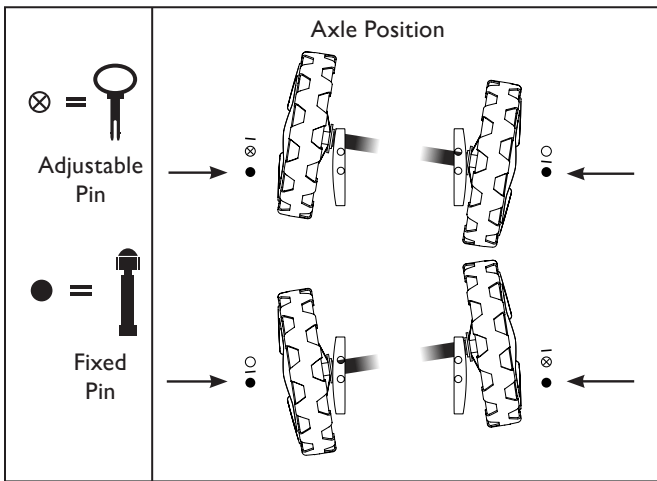


Figure 9. Alternate Wheel Axle Pins

4.4 REMOVE FROM POOL

1. Gently pull the floating cable to bring the cleaner within arm's reach (Figure 10).

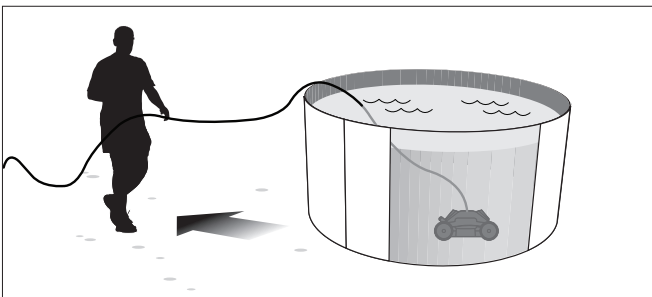


Figure 10. Bring Cleaner to Pool's Edge

2. Gently pull the cleaner up to the waterline (Figure 11).

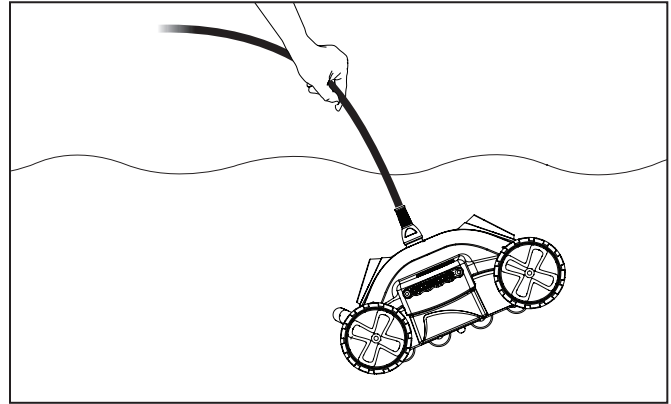


Figure 11. Pull Cleaner to Waterline

3. Use the handle to lift the cleaner from the water (Figure 12). Never lift the cleaner out of the pool by the floating cable.

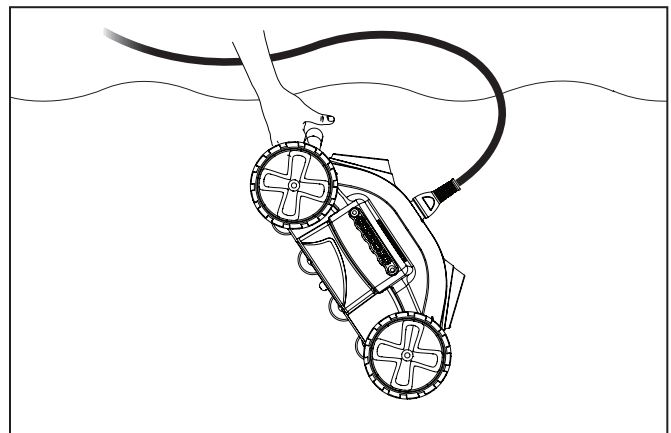


Figure 12. Lift Cleaner Using the Handle

4.5 REMOVE DEBRIS

For best performance, remove debris after every cleaning cycle.

⚠ WARNING

To avoid electric shock and other hazards which could result in permanent injury or death, disconnect (unplug) the cleaner from the power source before performing any cleaning and maintenance.

1. Unplug power to the cleaner at the control unit. Unplug the control unit from the power source.
2. Push side tabs down and outward to release the cleaner lid (Figure 13).

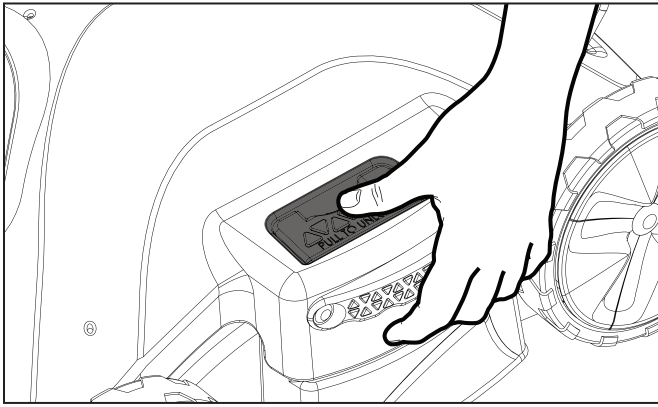


Figure 13. Remove the Cover

3. Pull gently on the elastic band around the suction ports to release the filter bag (Figure 14).

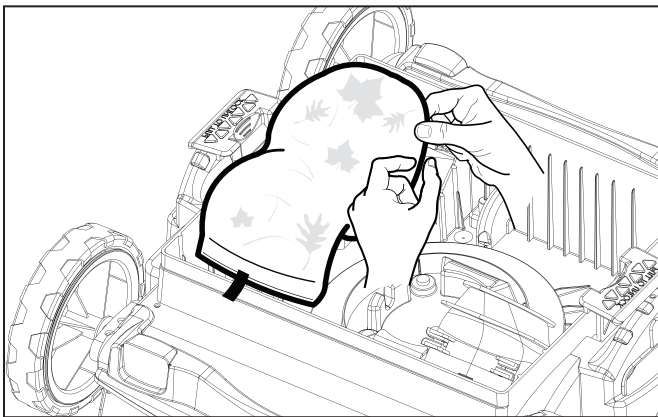


Figure 14. Release the Elastic Band around Bag

4. Pull tabs to unfasten and turn the bag inside out for thorough cleaning (Figure 15).

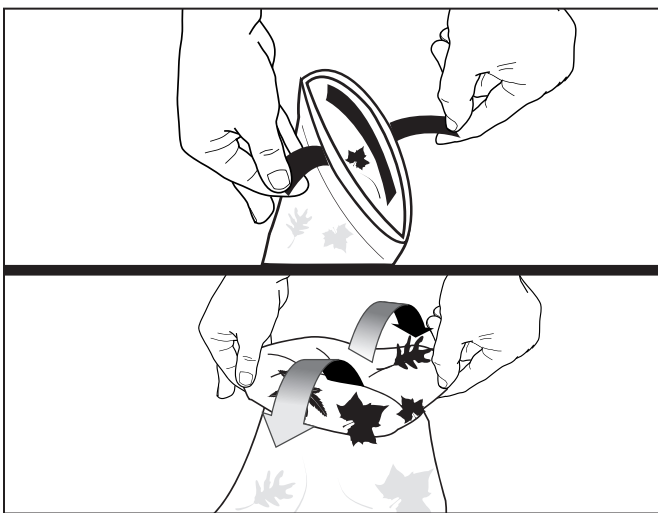


Figure 15. Turn Bag Inside Out

5. Using a hose with clean water, rinse the filter bag to remove all debris (Figure 16).

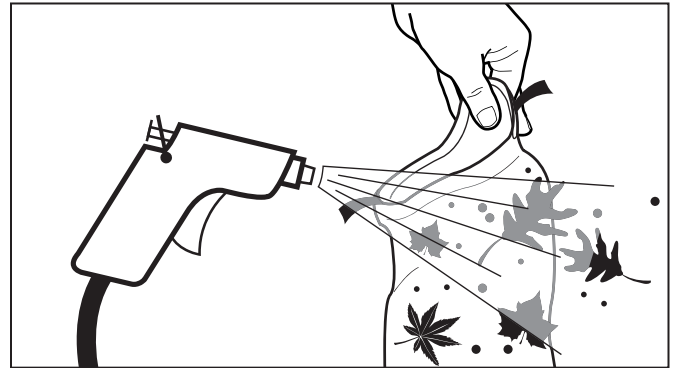


Figure 16. Rinse

6. Replace back into the cleaner body and replace the cover.
7. Store the cleaner out of direct sunlight for next use.

4.6 STORE THE CLEANER WHEN NOT IN USE

Do not leave the cleaner in the pool when not in use. The cleaner should be cleaned regularly using slightly soapy clean water. Do not use solvents such as trichlorethylene or its equivalent. Rinse the cleaner generously using clean water. Do not let your cleaner dry in direct sunlight near the pool.

1. Disconnect cleaner from the power source.
2. Start at the cleaner head, remove all coils and tangles from the floating cable. Lay the cable in the sun to loosen any tangling memory (Figure 17).
3. Disconnect the cable from the control unit.

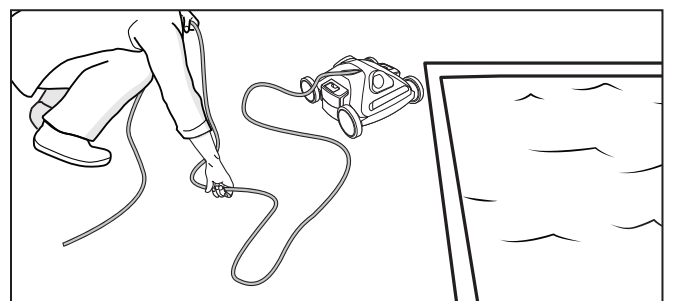


Figure 17. Untangle the Floating Cable

4. Loosely coil the floating cable starting at the cleaner and moving toward the connection point at control unit.
5. Store the cleaner and power supply in a dry/shaded area.
6. For extended periods, such as winter months, store the cleaner in a box to keep motors, plastics and seals protected (make sure the cleaner is dry before storing) (Figure 18).

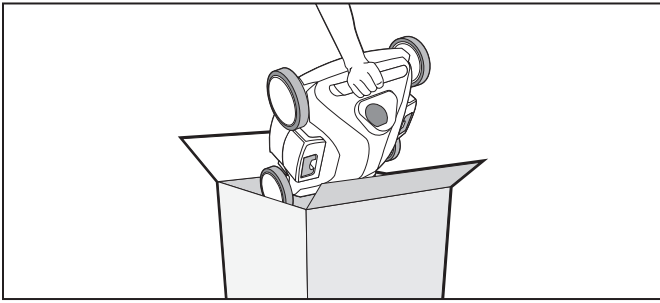


Figure 18. Long Term Storage for Extended Period

SECTION 5. MAINTENANCE TIPS

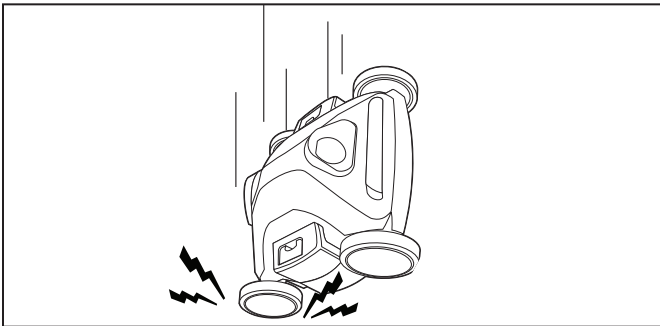
Regular maintenance is recommended to extend the life of your cleaner.

⚠ WARNING

To avoid electric shock and other hazards which could result in permanent injury or death, disconnect (unplug) the cleaner from the power source before performing any cleaning and maintenance.

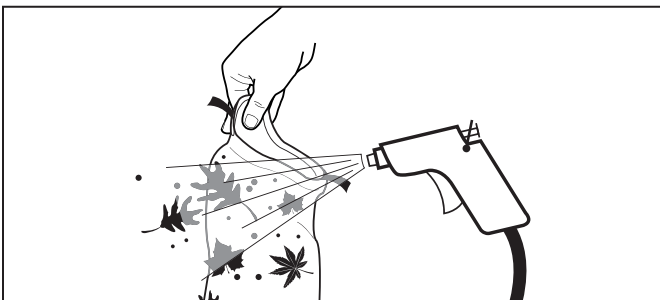
1. Avoid dropping the unit or the power supply.

Dropping the cleaner may cause serious damage.



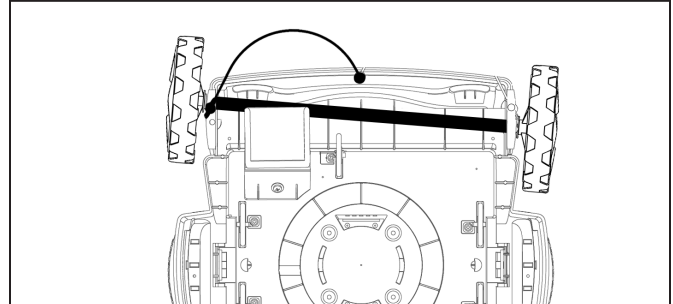
2. Clean the filter bags regularly.

Regular cleaning prevents clogging and keeps recirculated water cleaner.



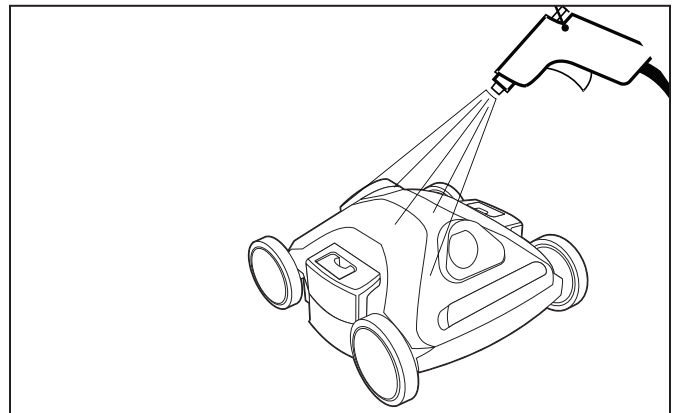
3. Adjust wheel direction after every cleaning cycle.

Adjusting wheel direction ensures your cleaner reaches all areas of the pool and prevents cable tangling.



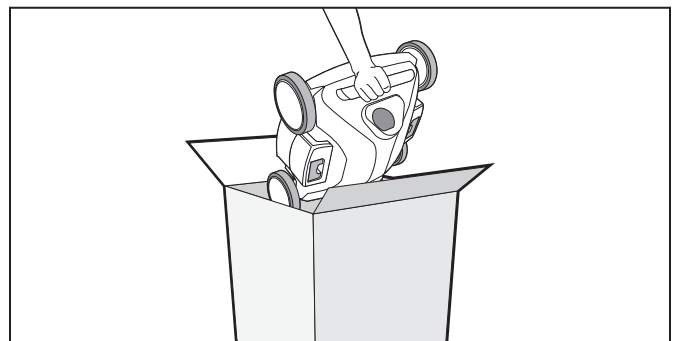
4. Rinse the cleaner with fresh water.

Rinsing the outside and the inside of the cleaner removes chlorinated pool water and protects internal components.



5. Store in a cool, dry location when not in use.

Coil the cable under the cleaner and store in a dry/shaded area. Store in a dry box for longer periods.



SECTION 6. SPARE PARTS

Contact an authorized service center to perform diagnostic tests or repairs not shown in general maintenance.

SECTION 7. TROUBLESHOOTING

The following provides some helpful hints for troubleshooting common issues when using the cleaner.

Problem	Solution
Cleaner moving too slowly/not sucking debris	<ul style="list-style-type: none"> • Clean the filter bags. • Check to ensure the suction ports are not clogged or blocked.
All LEDs flashing on the power supply	<ul style="list-style-type: none"> • Check if cleaner is turned on when out of the water. • Check the motor protection screen, filter bag may be stuck. • Check the propeller. • Restart the cleaner. Press On/Off button, cleaner will resume.
Floating cable is coiled or tangled	<ul style="list-style-type: none"> • Lay the cable flat in the sun on the ground to straighten. • Change the order of the wheel axle pins. • Verify the floating cable enters the water near the middle of the pool length. (TIP: mark the correct length with black electrical tape) • Reduce the amount of cable in the water.
Cleaner not sucking debris	<ul style="list-style-type: none"> • Check cleaner is set up properly and turned on. • Make sure the filter bags are clean. • Check the propeller. • Adjust the suction ports under the cleaner for blockages.
Cleaner is stuck in the middle of the pool and is pumping out water	<ul style="list-style-type: none"> • Check for obstructions or any loose objects in the pool. • Check and adjust the height of the suction ports. They may be touching the bottom of the pool.
Cleaner pattern stays in a certain area of the pool	<ul style="list-style-type: none"> • Restart the cleaner at a different end of the pool. • Check for correct pool size setting: Large or Small. • Change the order of the wheel axle pins.
Cleaner does not cover entire pool	<ul style="list-style-type: none"> • Clean the filter bags. • Adjust the cycle time setting. • Check the wheels and axles for blockages. • Change the order of the wheel axle pins.



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