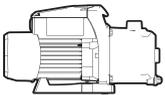


Polaris® QUATTRO® Trax, QUATTRO T2, P4900 Pool Cleaner



**WORKS WITH
A BOOSTER PUMP**

⚠ WARNING

FOR YOUR SAFETY – For anything other than the routine cleaning and maintenance described in this guide, this product must be serviced by a qualified professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in the product's complete installation and operations manual can be followed exactly. All safety instructions in the complete manual must be followed explicitly in order to prevent injury hazards. Improper installation and/or operation may void the warranty. Never turn the cleaner on unless it is fully submerged in the water. Doing so may void the warranty and may cause severe damage to the cleaner motors.

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THANK YOU FOR PURCHASING THIS POLARIS CLEANER.

YOUR POLARIS ROBOTIC CLEANER HAS BEEN DESIGNED AND MANUFACTURED TO BE EASILY INSTALLED AND TO PROVIDE LOW MAINTENANCE OPERATION. PRIOR TO INSTALLING YOUR NEW POLARIS CLEANER, PLEASE DO THE FOLLOWING:

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

Taking these steps will help ensure prompt warranty service, should it be required. If service is required, please contact your original dealer. If the original dealer does not perform warranty service, please visit polarispool.com to locate an independent service company near you.

If you are unable to locate a service company, please call our Technical Support department at 1.800.822.7933.

RECORD YOUR POLARIS CLEANER DATA HERE:

Date of Purchase _____ Purchased From _____ Serial Number: _____
 (located on robot head)

City _____ State/Province _____ Zip/Postal Code _____

Section 1. Cleaner Specifications and Overview

1.1 Technical Specifications

Charge Station Supply Voltage	
Supply Voltage	
Battery Capacity	
Operating Power	
Cleaner Size (WxDxH)	
Weight of Cleaner	
Packed Weight	
Filtration	
Cycle Lengths	
Charge Temperature	
Water Temperature Range	
Operating Depth	

1.2 Product Overview

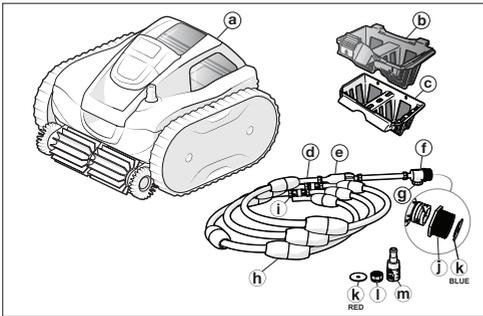


Figure 1. Cleaner Parts

- (a) Cleaner Body
- (b) Filter Canister - All-Purpose Debris
- (c) Filter Canister - Fine Debris
- (d) Hose Assembly
- (e) In-Line Filter Assembly
- (f) Quick Disconnect
- (g) Pressure Relief Valve
- (h) Hose Floats
- (i) Hose Swivels
- (j) Universal Wall Fitting (UWF®)
- (k) Restrictor Disks (Blue and Red)
- (l) Hose Nuts
- (m) Feed Hose Connector

1.3 Important Safety Instructions

⚠ WARNING

To avoid risk of potentially serious injury:

- Do not handle the Polaris cleaner while it is operating, except when checking the wheel RPM.
- Always remove the Polaris cleaner before swimmers enter the pool.
- Before installing the Polaris cleaner, make sure the pool filter is clean.
- New plumbing lines should be flushed out before installing the cleaner.
- The cleaner should not be used to remove plaster dust in new pools.
- Except when checking the wheel RPM, do not handle the cleaner while it is operating.
- Always remove the cleaner before swimmers enter the pool.
- Disconnect the cleaner from the pool wall when cleaning or backwashing the pool filter.
- Always remove the cleaner from the pool before chemical shock treatments.
- After cleaning or backwashing, let the filtration system run for at least five minutes before re-connecting the cleaner.

ATTENTION

USE OF A POLARIS Q4000 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. Zodiac Pool Systems LLC and its affiliates and subsidiaries are not responsible for, and the Limited Warranty does not cover, pattern removal, abrasion or markings on vinyl liners.

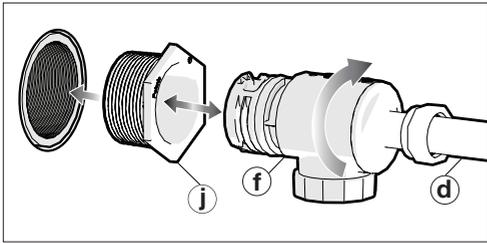
Section 2. Prepare the Pool

1. Turn on the filtration pump, allow to prime.
2. Turn on the booster pump and flush plumbing lines for five minutes.
3. Turn off both pumps.

Section 3. Install the Universal Wall Fitting

The UWF installs on pools with a dedicated cleaner return line and a threaded 1-1/2" female pipe fitting.

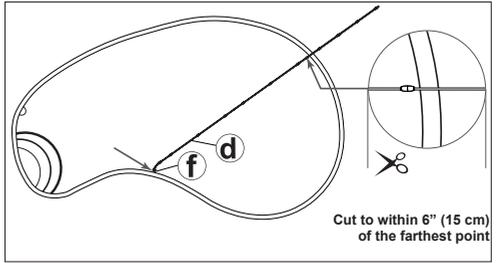
1. Remove the Universal Wall Fitting (UWF) (j) from the quick disconnect (f).
2. Thread the UWF (j) with blue restrictor disk (k) in place, into the dedicated cleaner return line.
3. Attach the quick disconnect (f) and hose to the UWF (j). Turn clockwise then pull away to secure.



Section 4. Adjust Hose Length

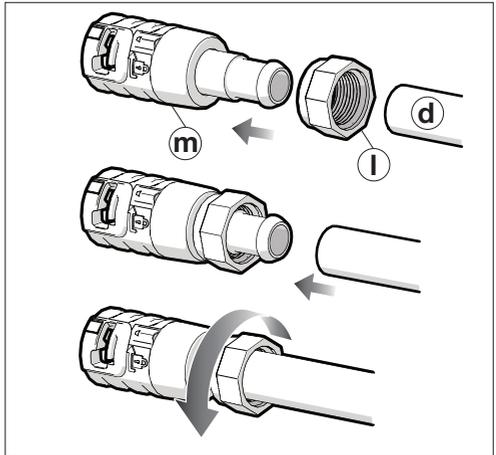
1. With the hose assembly (d) connected at the cleaner return line, extend the end of the hose to the farthest point of the pool. Do not include steps or seating areas.
2. The end of the hose should be within 6" (15 cm), longer or shorter, of farthest point.
 - If hose is too short, add a feed hose section with floats, a swivel and two hose nuts, available through your local Polaris dealer. Adjust to proper length.
3. Cut the hose so that it is within 6" (15 cm) of the farthest point.

NOTE: Walk hose around to determine farthest point.

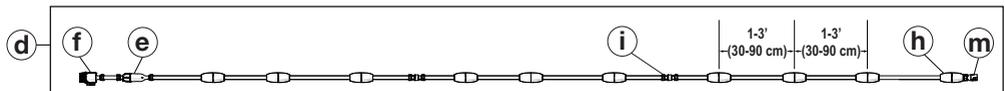


Section 5. Connect Hose Fitting and Adjust Floats

1. Place the hose nut (l) onto the end of the feed hose connector (m).
2. Push the hose assembly (d) onto the feed hose connector (m). Water can be used to lubricate the hose.
3. Tightly secure the hose nut (l) onto the hose assembly (d).



4. Position the first hose float (h) up against the feed hose connector (m) and then space hose floats 1-3 ft (30-90 cm) apart.

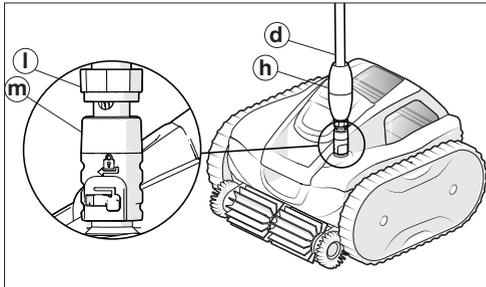


Section 6. Assemble the Cleaner

⚠ WARNING

To avoid risk of potentially serious injury, do not swim or use the pool when the cleaner is submerged or operating.

1. Attach the feed hose connector (m) to the cleaner.
2. Confirm the first hose float (h) is up against the feed hose connector (m).
3. Submerge the cleaner, allow it to sink to the bottom of the pool.



Section 7. Check for Proper Wheel RPM

Before operating the cleaner, check for proper wheel revolutions per minute (RPM). For maximum efficiency, the cleaner should operate between 28 and 32 RPM.

IMPORTANT

Keep the cleaner submerged for accurate wheel speed count.

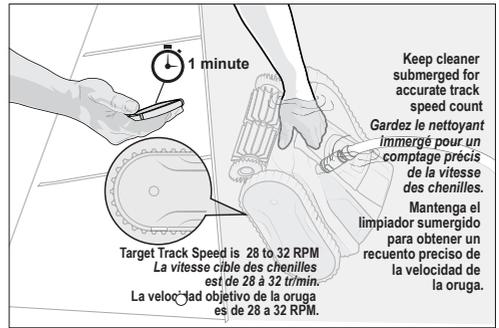
1. Turn on the filtration pump and allow it to prime.
2. Turn on the booster pump, the cleaner will begin to move.
3. With both pumps on, pull the cleaner to the waterline and keep submerged.

CAUTION

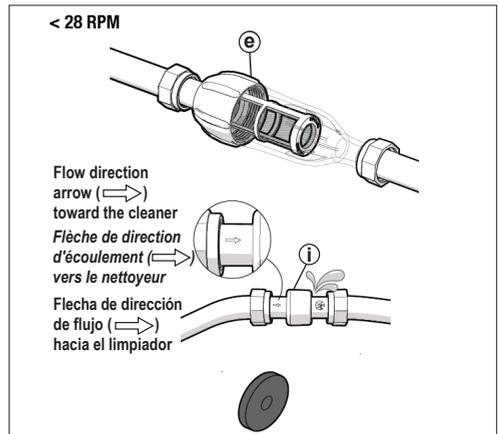
Always lift the cleaner using the handle and take care to avoid possible hair entanglement when leaning over.

NOTE: The Polaris logo latch is not a handle.

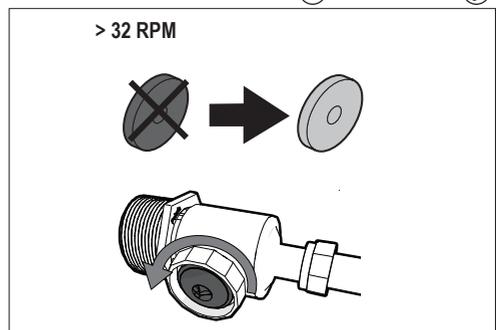
4. Using the white rectangular marking on the front wheel as a reference, count wheel revolutions (RPM) for 1 minute. If wheels change direction during timing, start over.
5. Target wheel speed is 28 to 32 RPM. If wheel speed is not in target range, refer to *Section 7 Adjust Wheel Speed*.



Section 8. Adjust the Wheel Speed



- Check the filter screen in the in-line filter assembly (e) for debris that restricts water flow.
- Clean the skimmer, filter, and pump basket, clearing debris that restricts water flow.
- Check the hoses and connections for leaks that cause loss of water pressure.
- Check hose swivels (i) for excessive leaking or spraying. Verify flow direction arrow (⇨) is toward the cleaner.
- Remove the blue restrictor disk (k) from the UWF® (j).



- Replace the blue restrictor disk with the red restrictor disk (k).
- Loosen the pressure relief valve (g) until proper RPM is reached.

NOTE: The pressure relief valve should only be adjusted when a restrictor disk is installed.

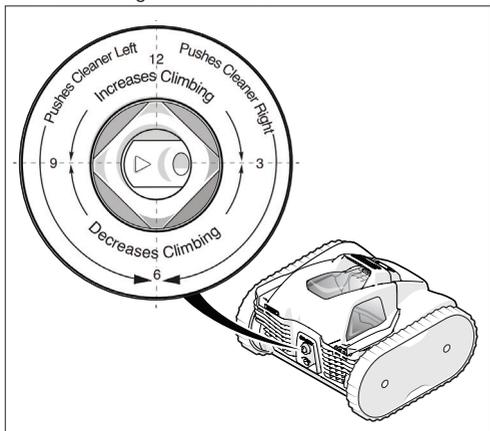
Section 9. Fine Tuning

When operating correctly, the Polaris cleaner vacuums, sweeps and scrubs all surfaces randomly throughout the pool. The climbing ability depends on the pool's shape and water pressure or flow. The cleaner climbs best in pools without sharp angles or curves in the transition from the pool floor to the pool wall. Fine tune your cleaner for optimal operation, as necessary.

9.1 Thrust Jet Position

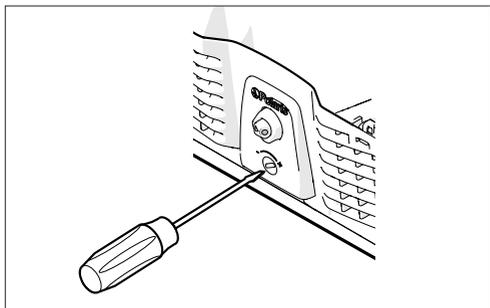
The thrust jet powers the direction of the cleaner. Factory position is three (3) o'clock, but, depending on the pool, other thrust jet positions can be helpful to improve cleaner coverage.

If needed, use a wrench to loosen the square nut, fine tune and then tighten to secure.



9.2 Thrust Jet Flow

Adjust the flow by turning counter-clockwise to decrease and clockwise to increase.



9.3 Cleaning Schedule

The cleaner's quick and efficient pool coverage may allow for a reduced cleaning schedule and runtime. The Polaris Q4000 cleans most pools in one to two hours or less.

Section 10. Maintenance

Perform routine maintenance to prolong the life of your cleaner.

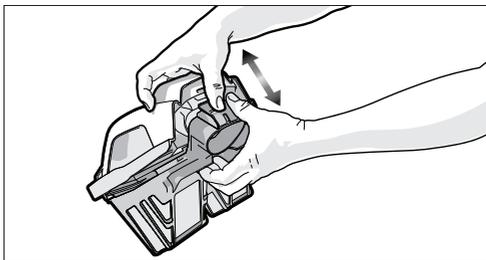
10.1 Clean the Filter Canister

NOTE: To ensure the cleaner is running efficiently, the filter canister should be emptied regularly.

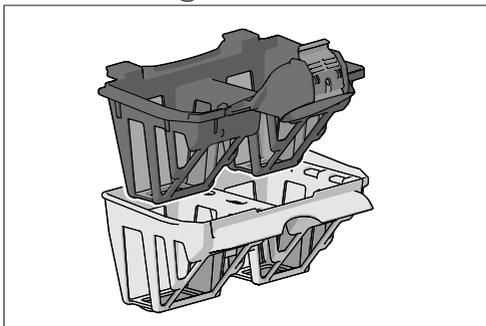
1. Press the lid release latch.
2. Lift the handle to remove the filter canister.



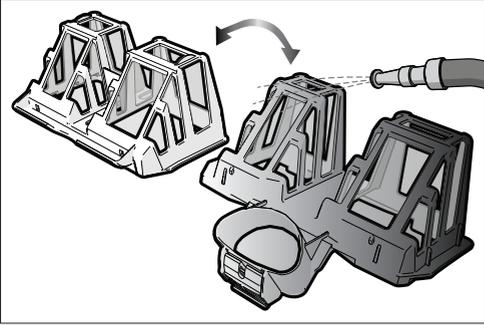
3. Press the filter cover release to remove the filter canisters.



4. Separate the fine debris canister (c) from the all-purpose canister (b).



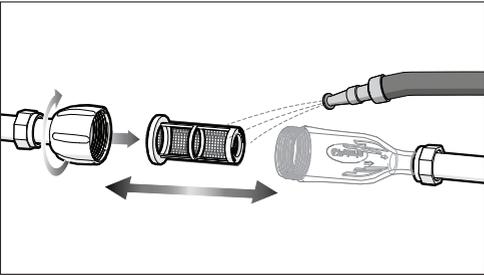
5. Empty debris and rinse the filter canisters with fresh water.



10.2 Clean the In-Line Filter Screen

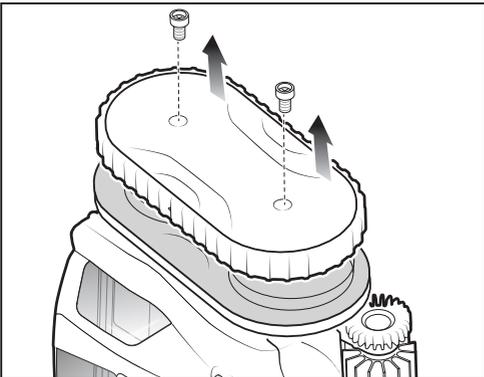
Turn off the booster pump.

1. Loosen the in-line filter cap.
2. Separate the in-line filter body from the filter cap.
3. Remove the filter screen.
4. Rinse with fresh water.



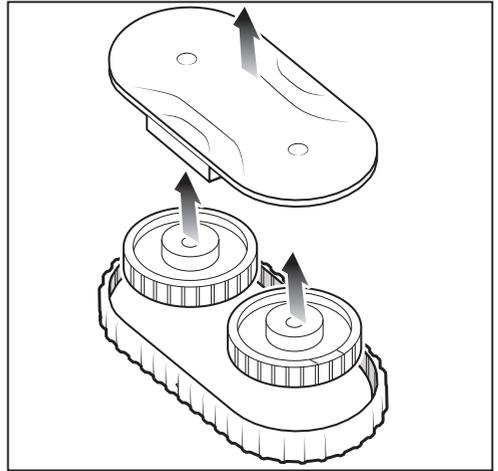
10.3 Replacing Tracks

1. Put the cleaner on it's side and remove the two side cover screws, then remove the track and wheel assembly.



2. Pull the side cover from the wheels and tracks by hand.

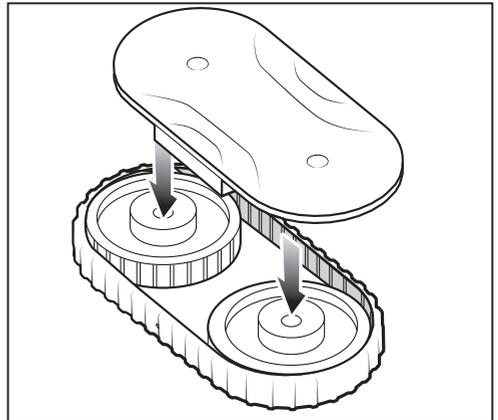
3. Remove the wheels from the tracks.



4. Install new track to the wheels.

NOTE: Ensure the wheel with the white rectangular marking is installed on the front of the cleaner.

5. Install the cover on the wheel and track assembly.
6. Install wheel and track assembly back on the cleaner using the two cover screws.



10.4 Storage/Winterizing

NOTE: Never store the cleaner in direct sunlight.

To store the cleaner for the winter:

1. Remove cleaner from the pool and drain all water to avoid freezing water damage (freeze damage is not covered under the warranty).
2. Remove the UWF from the pool wall using the Quick Disconnect. Use a pulling pressure as you unscrew. If necessary, use the UWF Removal Tool (part #10-102-00) available from any Polaris dealer.

Section 11. Troubleshooting

Problem	Solution
Hose assembly becomes tangled.	<ul style="list-style-type: none"> a. Remeasure the hose to verify that it is adjusted to the proper length for the pool shape. b. With the cleaner operating, check that the hose swivels and the hose connections turn freely. c. Ensure the hose is floating and the hose floats are positioned properly. Position the first float (h) up against the feed hose connector (m) and then space hose floats 1-3 ft (30-90 cm) apart. d. Check the wheel RPM. Target wheel speed is 28-32 RPM. If wheel speed is not in target range, refer to <i>Section 7 Adjust Wheel Speed</i>. e. Straighten the hose assembly by laying it out flat in the sun.
Cleaner hangs up on steps or other obstacles for longer than 3 minutes.	<ul style="list-style-type: none"> a. Check the wheel RPM. Target wheel speed is 28-32 RPM. If wheel speed is not in target range, refer to <i>Section 7 Adjust Wheel Speed</i>. b. Check for debris in the filter canisters and clean, if necessary. c. Ensure the hose is floating and the hose floats are positioned properly. Position the first float (h) up against the feed hose connector (m) and then space hose floats 1-3 ft (30-90 cm) apart. d. Adjust the thrust jet. Refer to <i>Section 8 Fine Tuning</i>. e. Remove unnecessary pool hardware or install a Ladder Guard Kit (part # G21) from a Polaris dealer. f. Install a back-up valve accessory (part # G62, black or part # G52, white) from a Polaris dealer. Additional hose nuts and swivel may be required. Position the back-up valve and its adjacent hose float 6-8 ft (1.8 - 2.4m) away from the cleaner.
Thrust jet sprays too much water out of pool.	Check the thrust jet position and adjust thrust jet flow, if necessary. Refer to <i>Section 8 Fine Tuning</i> .
Cleaner does not clean the entire pool.	<ul style="list-style-type: none"> a. Ensure the hose length is adjusted to the proper length for the pool shape. Refer to <i>Section 3 Adjust Hose Length</i>. b. Adjust the thrust jet to improve coverage. Refer to <i>Section 8 Fine Tuning</i>.
Cleaner is sluggish, running with less power than normal or not moving.	<ul style="list-style-type: none"> a. Check the wheel RPM. Target wheel speed is 28-32 RPM. If wheel speed is not in target range, refer to <i>Section 7 Adjust Wheel Speed</i>. b. Check for debris in the filter canisters and clean, if necessary. c. Check the filter screen and the in-line filter and clean, if necessary. d. Clean the skimmer basket, pump basket, and pool filter. e. Check all of the hoses, connections, and swivels for leaks that could cause loss of water pressure.
Cleaner does not climb walls.	<ul style="list-style-type: none"> a. Check the wheel RPM. Target wheel speed is 28-32 RPM. If wheel speed is not in target range, refer to <i>Section 7 Adjust Wheel Speed</i>. b. Ensure the hose is floating and the hose floats are positioned properly. Position the first float (h) up against the feed hose connector (m) and then space hose floats 1-3 ft (30-90 cm) apart. c. Check for debris in the filter canisters and clean, if necessary. d. Adjust the thrust jet. Refer to <i>Section 8 Fine Tuning</i>. e. For smooth surface pools (tile, fiberglass, etc.), replace both rear tires with PosiTrax® tires for more traction (available from a Polaris dealer).
Smooth Surface Pools (tile, fiberglass, etc.)	
Problem	Solution
Cleaner does not climb walls.	Replace both rear tires with PosiTrax tires for more traction (available from a Polaris dealer).