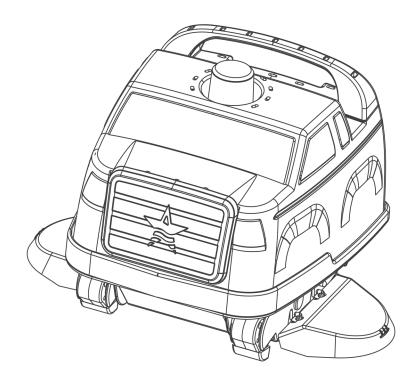


INSTALLATION MANUAL

STARZTRUCK® driving your pool clean®

AUTOMATIC SUCTION POOL CLEANER



877.768.2717 FAX: 877.276.POOL (7665)
Outside the U.S.: +1.805.620.5060 FAX: +1.949.336.1940
www.aquastarpoolproducts.com info@aquastarpoolproducts.com



THE STARZTRUCK AUTOMATIC SUCTION SIDE POOL CLEANER FEATURES:

- Programmed movement for better cleaning
- Efficient, quiet operation
- Engineered for enhanced durability
- Simple installation, no additional tools required
- Easy grip roll bar handle



FULL KIT INCLUDES CLEANER, NINE CONNECTOR HOSES, ONE LEADER HOSE, FLOW GAUGE, REGULATOR VALVE, SKIMMER CONE, AND OWNER'S MANUAL.

REMEMBER THESE IMPORTANT FACTS!

Before installing the StarzTruck automatic pool cleaner:

- Manually clean/vacuum the pool and clean all skimmer, pump and debris baskets.
- Clean or backwash the filter.
- Check that the water is at its proper level.
- Check water chemistry. Make sure the pool is free from excess algae to ensure proper operation of the StarzTruck automatic pool cleaner.

Never use the StarzTruck automatic pool cleaner to remove plaster/pebble debris in new or remodeled pools.

Always remove the StarzTruck automatic pool cleaner before backwashing or chemically shocking the pool.

See pages 15-17 for a complete list of replacement parts and kits

THE STARZTRUCK AUTOMATIC POOL CLEANER

Thank you for purchasing the StarzTruck automatic pool cleaner.

The StarzTruck automatic pool cleaner works from the suction side of your pool filter system and is subject to the GPM (gallons per minute) of the suction line. It is designed to operate and install simply with most swimming pools. Occasionally, additional hoses and/or parts are needed to complete your special situation. For technical assistance and parts availability, call your local Aquastar Pool Products dealer.

Keep this installation manual on file – with your receipt, purchase date, and serial number.

Always remove the StarzTruck automatic pool cleaner and hoses before swimmers enter the pool. It is not a toy and is not intended for children to play with.

When removed from the pool, keep the StarzTruck automatic pool cleaner disconnected and stored in a shaded, safe place – away from all chewing animals!

The hoses must be stored straight. DO NOT COIL!

Carry the StarzTruck automatic pool cleaner by the handle only.

Always install a USPC-approved safety vacuum lock with sidewall connections. When the StarzTruck automatic pool cleaner is removed, make sure the safety vacuum lock wall fitting cap is securely covering the sidewall suction port and snapped shut. SAFETY FIRST!



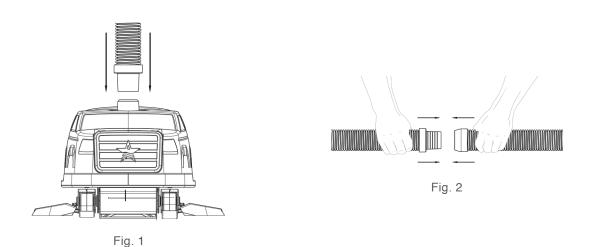
THE STARZTRUCK CLEANER IS NOT INTENDED TO PULL OR TOW ANY THIRD-PARTY ATTACHMENTS. ANY ADDITIONAL UNINTENDED DRAG CAUSED BY THIRD-PARTY ATTACHMENTS CAN PREMATURELY WEAR DOWN THE COMPONENTS AND MAY VOID THE WARRANTY DUE TO IMPROPER USE.

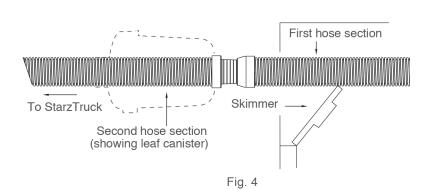
1

STEP 1: CONNECTING AND SUBMERGING THE HOSES AND CLEANER

There are nine connector hoses and one leader hose with a gray hose cuff. The hose cuff connects to the top of the StarzTruck automatic pool cleaner (see Fig. 1).

Connect the StarzTruck automatic pool cleaner hose sections by pushing and twisting the tapered male connector end of each hose firmly into the open female end of the adjacent hose section (see Fig. 2). Depending on the size and shape of your pool, all hose sections might not be used. The hose should reach from the skimmer or safety vacuum lock wall fitting to the furthest point in the pool plus one extra hose section. If the hose is not long enough, it will be necessary to purchase additional hose sections from your pool dealer. After the correct hose length has been assembled, fill the hose completely with water by lowering the attached Starz-Truck automatic pool cleaner and then vertically pushing the hose down, allowing all the air to escape. If optional leaf canister is purchased, install between first and second hose sections (see Fig. 3).



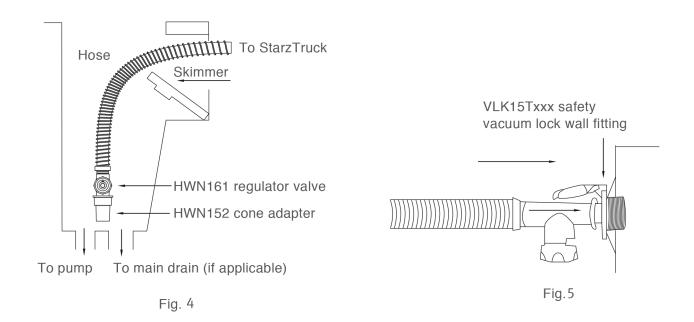


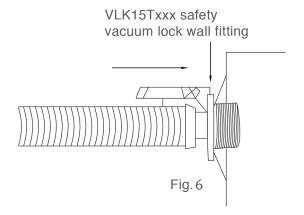
STEP 2: CONNECTING TO SUCTION

Connect the skimmer cone adapter to the regulator valve and then insert the skimmer cone into:

- A. The suction port of the skimmer (see Fig. 4) or
- B. The wall port safety vacuum lock without a three-way or ball valve (see Fig. 5)

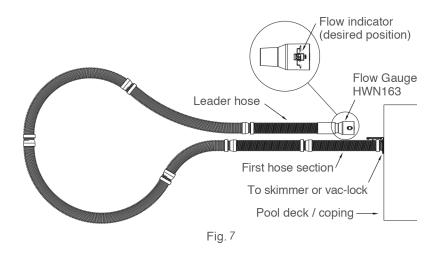
Without the skimmer cone and regulator valve, insert the male end of the hose directly into the safety vacuum lock wall fitting port with a three-way or ball valve (see Fig. 6)





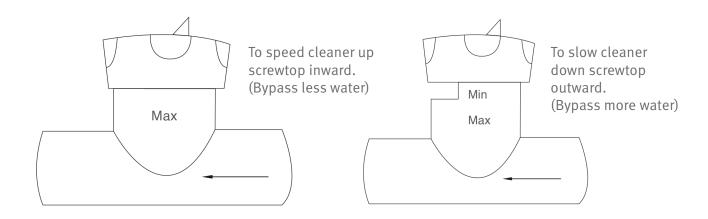
STEP 3: TESTING THE FLOW

Ensure that the hose is full of water and that your pump is running. Remove the StarzTruck automatic pool cleaner from the hose, then insert the flow gauge into the leader hose. Make sure the flow gauge is underwater (see Fig. 7), and with the opposite end of the hose attached to a dedicated suction or skimmer port observe the flow gauge. The optimal level is between the MAX and MIN lines of the flow gauge. If the setting is higher than the MAX marking, it will be necessary to reduce the flow using the regulator valve described in Step 4.



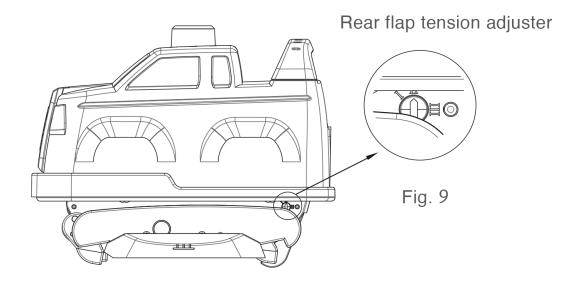
STEP 4: ADJUSTING WATER FLOW

Observe your StarzTruck automatic pool cleaner in operation at higher speed with dual or variable speed pumps. Adjust the regulator, three-way or ball valve to speed up or slow down the cleaner (see Fig. 8).



STEP 5: ADJUSTING YOUR STARZTRUCK AUTOMATIC POOL CLEANER

The rear flap tension adjuster is preset to II. When the StarzTruck automatic pool cleaner seems to be spending too much time against steps, vertical walls and other obstructions, turn the rear flap tension adjuster to position I (see Fig. 9). Sometimes adjusting your flow valve up or down will also help. Custom pools with interior bar stools, fountains, planters, etc., will require someone to physically free the cleaner in the case that its becomes trapped. The StarzTruck automatic pool cleaner will climb vertical walls in concrete and fiberglass pools (not vinyl) if there is at least a 12-inch radius where the floor meets the walls. The cleaner will not climb or go all the way up the wall every time due to the programmed gearbox. If the StarzTruck automatic pool cleaner is not sticking to the wall, set the rear flap tension adjuster to position III (see Fig. 9) and/or adjust your regulator valve(s). If the cleaner climbs above the waterline and sucks in air, set the rear flap tension adjuster to position I (see Fig. 9) and/or adjust your regulator valve(s).

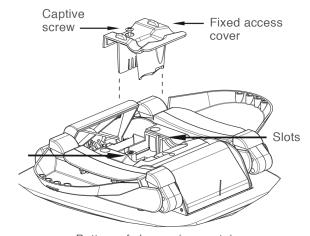


BOTTOM OPENING REMOVAL AND CLEANING INSTRUCTIONS

REMOVING THE BOTTOM OPENING

Should the StarzTruck automatic pool cleaner stop moving or become sluggish due to debris trapped in the throat or inside the unit, the turbine/vacuum chamber is accessible following these instructions.

- 1. Turn off the pump.
- 2. Remove StarzTruck automatic pool cleaner from the pool.
- 3. Disconnect StarzTruck automatic pool cleaner from leader hose.
- 4. Turn StarzTruck automatic pool cleaner upside down.
- 5. Locate and loosen the captive screw behind the throat in the center of the bottom (see Figs. 10 & 11).
- 6. Lift fixed access cover (see Figs. 10 & 11).
- 7. Clean turbine/vacuum chamber (see Fig. 12).
- 8. Check turbine for free movement.
- Reinstall the fixed access cover by lining it up with the two slots as shown in Figs. 10 & 11.
 - Slide the cover in place and tighten the captive screw.
- 10. Reinstall StarzTruck automatic pool cleaner in pool per installation instructions.



Bottom of cleaner (concrete)

Fig.10

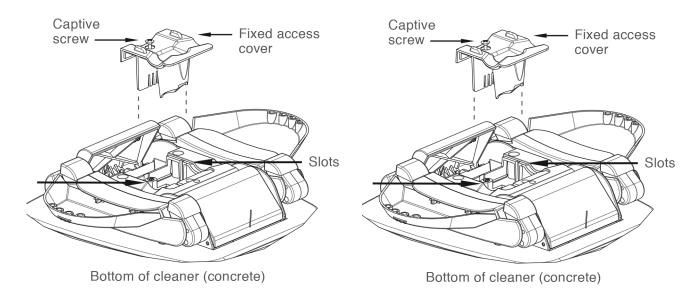


Fig. 11

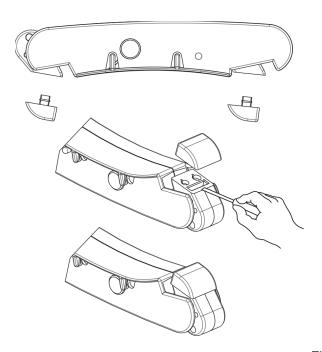
Fig. 12

CHECK THE CONDITION OF THE SHOES, WINGS AND FLAPS PERIODICALLY

The pod shoes and wings have wear indicators on their sides and should occasionally be checked to determine if replacement is needed. The shoe wear indicator is a line on the side of the pod shoe that appears as a difference in texture. When this texture difference is no longer visible at the bottom of the shoe when viewed from either side, the shoes must be changed (see Fig. 13). The wing wear indicator is located on the side and is a horizontal line which has three vertical lines above it. When you can no longer see the horizontal line, the wings must be replaced (see Fig. 14 on page 8).

POD SHOE REPLACEMENT

- A. Turn the unit upside down.
- B. Insert a screwdriver between foot and shoe on one of the pods (see Fig. 13).
- C. Using a lifting motion, remove the shoe from the foot.
- D. Dip a new shoe in water and attach the shoe to the foot, making sure to put the small post into the small hole and the large post into the large hole. These posts and holes are different sizes to prevent the shoes from being improperly installed.
- E. Repeat steps b, c and d for each shoe.



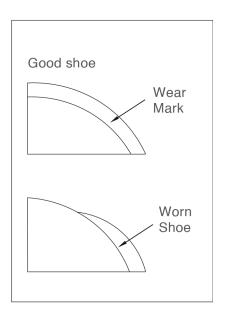


Fig. 13

WING REPLACEMENT

- A. Using a screwdriver, remove the plugs from both pods (see Fig. 14).
- B. Remove the old wings by bending the wings up toward the sides of the cleaner, and lift them off their hooks (see Fig. 12). If any of the wing hooks are broken, take the StarzTruck automatic pool cleaner to your dealer for pod replacement as the cleaner will not function properly if the wings are not properly attached.
- C. Attach new wings, making sure that you match the "L" (left) and "R" (right) wings to the corresponding pods.
- D. Replace the pod plugs and tap them into place

POD REPLACEMENT

- A. Using a screwdriver, remove the plugs from the pod (see Fig. 14).
- B. Unscrew and remove the hex bolt that was covered by the plug.
- C. Remove pod by placing equal pressure on both ends of the pod until it releases from the cleaner body.
- D. Install new pod and replace and tighten hex bolt. Ensure that the pod moves smoothly and freely.

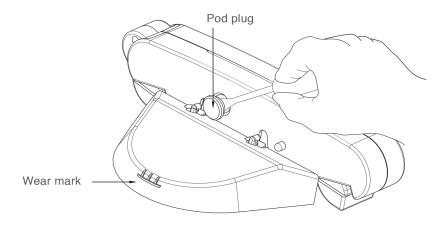
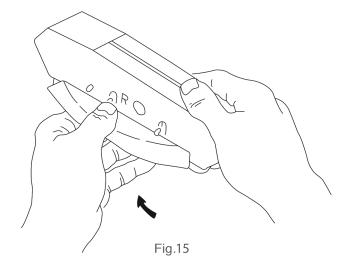


Fig.14



FLAP REPLACEMENT

A. Remove the front and rear flaps from your StarzTruck automatic pool cleaner by inserting a small screwdriver between the flap and the lower body near the pivot point of the flaps (see Fig. 13).

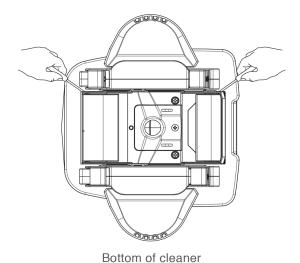


Fig.16

. You will notice that your replacement flaps look similar but are marked "Front" and "Rear" on the flap. It is absolutely necessary to install the proper flap in the front and rear of the unit because the springs in the flaps are different. Failure to do so will result in unsatisfactory performance of the StarzTruck automatic pool 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. Secure the flap by first placing one of the corner tabs into its coresponding hole and then carefully pushing the other edge in to secure the final tab in place. You will feel and hear a snap when the flap falls in place. Fold the flap in toward the bottom of the StarzTruck automatic pool cleaner. You will feel some resistance at this point (that 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

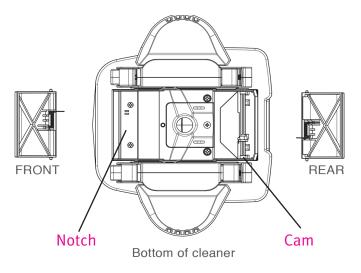


Fig. 17

STARZTRUCK AUTOMATIC POOL CLEANER BUMPER REPLACEMENT

Replacement of the StarzTruck automatic pool cleaner bumper is not recommended as a "do it yourself" repair, because there is a slight possibility that the replacement might cause a problem in the propulsion system. We strongly suggest that you consult your dealer for this repair.

A #2 phillips screwdriver is necessary for this repair.

- 1. Turn StarzTruck automatic pool cleaner upside down and place it in a position that is steady/firm.
- 2. Locate and loosen the captive screw behind the throat in the center of the bottom (Figs. 10,11,12, on Pg 6).
- 3. Lift the fixed access cover (see Figs. 11 & 12, Pg 6).
- 4. Remove four "A" screws (see Fig. 10, Pg 6).
- 5. Lift the lower body assembly off the StarzTruck automatic pool cleaner (see Fig. 10, Pg 6).
- 6. Remove four "B" screws (see Fig. 18).
- 7. Remove bumper carefully, do not tamper with any other cleaner parts.
- 9. Replace with new bumper, do not tamper with any other cleaner parts
- 10. Reinstall screws and parts, following steps in reverse 6, 5, 4, 3, 2.
- 11.Reinstall StarzTruck automatic pool cleaner in pool per installation instructions.

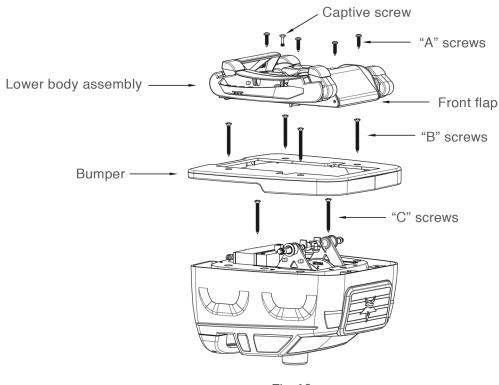


Fig. 18

STARZTRUCK AUTOMATIC POOL CLEANER TROUBLESHOOTING GUIDE

PROBLEM: SLOW/NO FORWARD MOVEMENT

CAUSES	SOLUTIONS
Lack of/improper water flow through cleaner	Check and adjust water flow, Pg 4
Partial obstruction of StarzTruck throat	Clear obstruction, Pg 6
Worn shoes	Replace shoes, Pg 7
Worn wings	Replace wings, Pg 8

PROBLEM: CLEANER FAILS TO CLIMB VERTICAL WALLS GUNITE/CONCRETE POOL

CAUSES	SOLUTIONS
Improper shoes for application	Contact your local Aquastar Pool Products dealer
Lack of/improper water flow through cleaner	Adjust water flow, Pg 4
Partial obstruction of StarzTruck throat	Clear obstruction, Pg 6
Worn shoes	Replace shoes, Pg 7
Worn wings	Replace wings, Pg 8
Hose too short	Install additional hose sections, Pg 2
Improper tension on rear flap	Turn rear flap adjuster to III, Pg 5

STARZTRUCK AUTOMATIC POOL CLEANER TROUBLESHOOTING GUIDE

PROBLEM: CLEANER CLIMBS TO THE SURFACE AND SUCKS AIR

CAUSES	SOLUTIONS
Too much/improper water flow through cleaner	Adjust water flow, Pg 4
Improper tension on rear flap	Turn rear flap adjuster to I If still climbing too much, reduce water flow until the proper operation is achieved, Pg 4, 5
Steering failure	 Check and clean rear screen Check to see that cone gear is free and rotates smoothly in both directions
	3. Check medium turbine and spindle gear assemblies for malfunction. This will require the unit be disassembled, if you are not comfortable with the cleaner's assembly please seek professional help.

PROBLEM: CLEANER HEAD FLOATS

CAUSES	SOLUTIONS
Cleaner head or return line has air in it	Remove all air from cleaner head Stop all air from entering the pool through the return lines
	If cleaner head and hose are covered with fine bubbles, give the hose a good tug. This will release the air bubbles and allow the cleaner head to settle to the bottom of the pool until the hose is covered with bubbles again

STARZTRUCK AUTOMATIC POOL CLEANER TROUBLESHOOTING GUIDE

PROBLEM: CLEANER STICKS AT STEPS, CORNERS, ETC.

CAUSES	SOLUTIONS
Improper water flow	Check and adjust water flow, Pg 4
Worn shoes	Replace shoes, Pg 7
Worn wings	Replace wings, Pg 8
Hose too short	Install additional hose, Pg 2
Steering failure	1. Check and clean rear screen
	2. Check to see that cone gear is free and rotates smoothly in both directions
	3. Check steering program and troubleshoot – then:
	A. Clean, repair or replace the gearbox
	B. Check pod/A-frame connection and replace if necessary – do not attempt to retighten loose pods
	C. Check medium turbine and spindle gear assemblies- This will require the unit be disassembled, if you are not comfortable with the cleaner's assembly, please seek professional help.

STARZTRUCK AUTOMATIC POOL CLEANER DISCLAIMER

- A. Pool plaster is affected by age, water chemistry, etc.
- B. Pool plaster can deteriorate over a period of time.
- 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 StarzTruck automatic pool cleaner not vice versa.
- E. Vinyl and fiberglass are affected by age, sunlight and water chemistry.
- F. Vinyl can become brittle and weak.

- G. Vinyl can also be affected by the installation and the pool's surroundings.
- H. When installing the StarzTruck automatic pool cleaner, you 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 contact your local Aquastar Pool Products dealer.

- The purchase date and purchase location of your StarzTruck automatic pool cleaner.
- 2. The serial number of your StarzTruck automatic pool cleaner.
- 3. The number of hose sections used.

STARZTRUCK AUTOMATIC POOL CLEANER LIMITED WARRANTY

This limited warranty is extended to the original purchaser (consumer) from the manufacturer of the StarzTruck Automatic Pool Cleaner.

Aquastar Pool Products warrants this cleaner to be free from defects in materials and workmanship for a period of one year from the original date of purchase subject to all the following conditions and exclusions.

- 1. Should the cleaner fail to be in good working order in accordance with the above schedule, Aquastar Pool Products will at its option repair or replace the cleaner or any defective parts at no additional charge except as set forth below. Repair parts and replacement products will be furnished on an exchange basis and will be new or functionally equivalent. All parts removed as a result of replacement shall become the property of Aquastar Pool Products. Liability of Aquastar Pool Products and the sole remedy of the purchaser whether in contract under any warranty, in tort (including negligence), in strict liability or otherwise, shall be limited to the repair or replacement of defective parts only and shall in no event exceed return of the amount of the purchase price paid by the purchaser.
- 2. This limited warranty is for the replacement of alleged defective parts during the term of the warranty. Aquastar Pool Products, upon determination and at our option, will repair and return to the owner all defective parts that are covered by this warranty. Any parts not covered by this limited warranty will be returned to owner freight collect.
- 3. This limited warranty is only extended to the original purchaser (consumer) and only during the time in which the original purchaser occupies the premises where the cleaner was originally installed. It does not apply to any subsequent purchasers or recipients of the cleaner.
- 4. This limited liability warranty includes the replacement of parts due to normal wear but does not include cosmetic situations including but not limited to: discoloration or fading due to sunlight or chemicals, scratches, scuffs, etc.

- 5. This limited warranty does not cover any loss, damage, injury, or malfunction of the equipment due to the failure to properly maintain and or operate the cleaner, or alteration of the equipment, tampering, and act of God, abuse, misuse, negligence, omissions.
- 6. This cleaner is intended for a properly designed and maintained swimming pool. This limited warranty does not cover pools that have a defective design, are improperly maintained, and are inappropriate for the StarzTruck automatic pool cleaner's operation.
- 7. This limited warranty does not cover damage or injury from improper installation, pump running dry, damage due to loss of prime or plugged pipes.
- 8. This limited warranty does not cover any change in appearance, damage, malfunction due to chemical reactions, etc.
- Aquastar Pool Products is not responsible for any loss of time, inconvenience or any consequential expenses such as telephone calls, labor, etc., unless required by law.
- 10. Deterioration, discoloration or brittleness of pool plaster and vinyl liners can be caused over time separately by or in combination with, age and an imbalance in pool water chemistry, improper installation and other factors. Aquastar Pool Products hereby disclaims any and all claims, and purchaser releases Aquastar Pool Products from any and all claims for damages to any pool plaster or vinyl liner in purchaser's pool by reason of the use and/or operation of the cleaner.
- This limited warranty is only valid in the USA and Canada.
- 12. This limited warranty is in lieu of any other warranties express or implied, including the warranties of merchantability or fitness. Any such implied warranty imposed by state consumer law is limited in duration to one year from date of purchase.

No distributor, dealer or representative has any authority to make any warranties express or implied concerning StarzTruck automatic pool cleaner except as contained herein. Unless warranty card has been received by Aquastar Pool Products, Aquastar Pool Products reserves the right to refuse repair service or to honor warranty.



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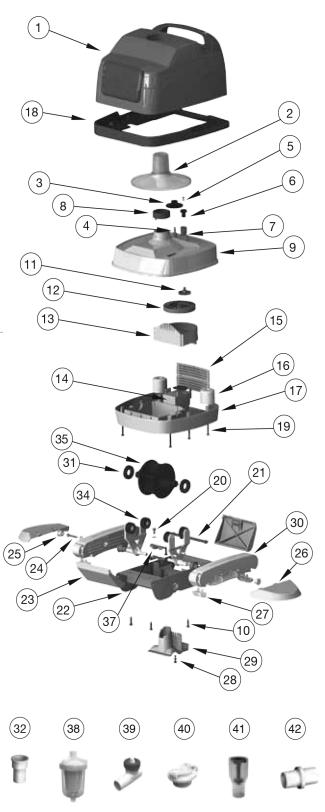
A DIVISION OF AQUASTAR POOL PRODUCTS

PROSTAR™ ALL-AMERICAN REPLACEMENT PARTS FOR THE STARZTRUCK™ AUTOMATIC POOL CLEANER

Discover the quality, price and selection of these dependable Aquastar Pool Products replacement parts. Each one is made to last in the USA, and engineered for a perfect fit.

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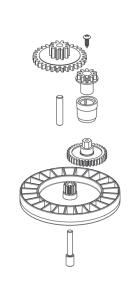
- 1. Top Shell HWN121XX
- 2. Cone Gear HWN122
- 3. Intermediate Gear HWN123
- 4. Intermediate Gear Shaft HWN124
- 5. Spindle Gear Screw HWN125
- 6. Spindle Gear HWN126
- 7. Spindle Gear Bushing HWN127
- 8. Cone Gear Bushing HWN128
- 9. Upper Middle Body HWN129
- 10. Upper Body Screw Kit (6 Pack) HWN130
- 11. Medium Turbine Drive Gear HWN131
- 12. Medium Turbine HWN132
- 13. Medium Turbine Case with Axle HWN133
- 14. Gear Box Assembly HWN134
- 15. Rear Screen HWN135xx
- 16. Float Kit (2 Pack) HWN136
- 17. Lower Middle Body HWN137
- 18. Bumper HWN138xx
- 19. Middle Body Screw (6 Pack) HWN139
- 20. Lower Body Screw (4 Pack) HWN140
- 21. Flap Adjuster HWN141
- 22. Lower Body HWN142XX
- 23. Flap Kit HWN143xx
- 24. Pod Screw Kit HWN110
- 25. Pod Plugs (6 Pack) HWN111
- 26. Wing Kit: Left and Right Wings HWN117XX
- 27a. Pod Shoes (4 Pack) for Vinyl HWN114
- 27b. Pod Shoes (4 Pack) for Concrete HWN115
- 28. Captive Screw / Retaining Clip HWN148
- 29a. Fixed Access Cover Assembly
- for Concrete Models HWN149xx
- 29b. Fixed Access Cover Assembly
- for Vinyl Models HWN157xx
- 30. Pod Kit HWN116xx
- 31. Turbine Bearings HWN112
- 32. Skimmer Cone HWN152
- 33. Medium Turbine/Spindle Gear Kit
- HWN154 (not shown)
- 34. Universal A-Frame Kit HWN118
- 35. Turbine Kit HWN113
- 36. A-Frame and Turbine Kit
- HWN119 (not shown)
- 37. A-Frame/Bushing/Saddle Kit
- HWN120 (not shown)
- 38. Leaf Canister HWN162
- 39. Regulator Valve HWN161
- 40. Safety Vacuum Lock Wall Fitting VLK-15Txx
- 41. Propulsion/Conversion Kit
- HWN160 (not shown)
- 42. Flow Gauge HWN153
- 43. Hose Connector HWN158

PROSTAR REPLACEMENT KITS

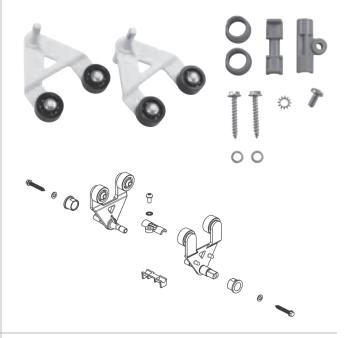
We've made your pool equipment service and repair a lot easier with these convenient replacement kits. Each one is a complete grouping that contains everything you need for that particular repair. For more information or to stock up on individual replacement parts at prostarreplacement parts.com or call 877-768-2717

Medium Turbine/Spindle Gear Kit HWN154



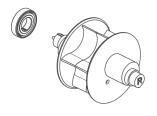


Universal A-Frame Kit HWN118

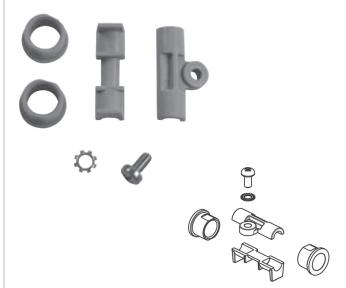


Turbine Kit: Turbine and Two Turbine Bearings HWN113



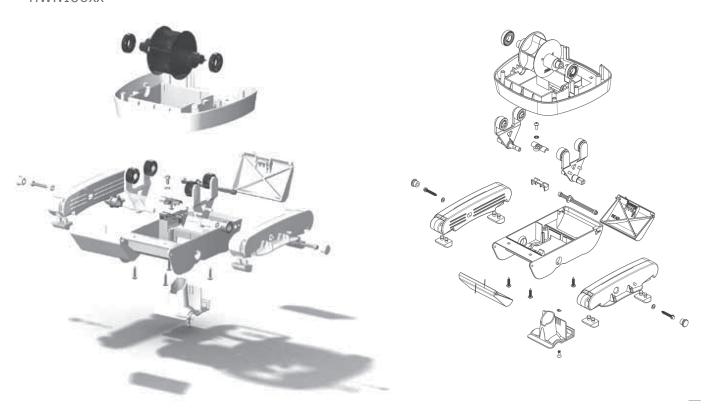


A-Frame/Bushing/Saddle Kit HWN120

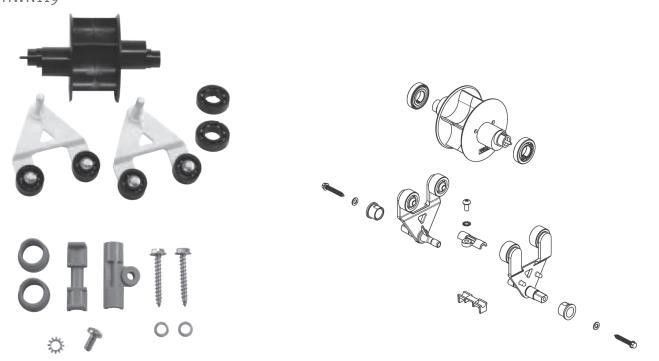


PROSTAR REPLACEMENT KITS

Propulsion/Conversion Kit HWN16oxx



A-Frame and Turbine Kit HWN119





WARRANTY REGISTRATION CARD





Include a copy of your receipt and return this form within 15 days of purchase. The additional information requested is to help us understand our customers. The information is NOT sold or shared with any other party. Thank you for your purchase.

FIRST NAME	LAST NAME		
COMPANY NAME (IF POOL SERVICE OR BUILDER)			
ADDRESS			
CITY	STATE ZIP CODE		
PHONE	FAX		
EMAIL			
COMMENTS			
Serial number (found on bottom of cleaner)	5. Name of dealer/builder/service professional where purchased:		
2. Type of pool:	6. Poolis years old.		
□ Vinyl			
☐ Fiberglass	7. What cleaner is this replacing?		
☐ Gunite			
□ Other			
3. Cleaner model:	8. Are you a:		
□ Concrete	☐ Consumer		
□ Vinyl/fiberglass	Pool Service Technician		
	☐ Pool Builder		
4. Date of purchase:	Other		
Please complete and mail with receipt to: AquaStar Pool Products, Inc.	Or fax to: 877.276.POOL (7665)		
Warranty Registration Dept. 104	377.273.1 301 (1303)		

2340 Palma Drive Ventura, CA 93003

Outside the U.S.: +1.949.336.1940



STARZTRUCK® driving your pool clean™

AUTOMATIC SUCTION POOL CLEANER

Please fill out warranty information on reverse side and mail to: AquaStar Pool Products, Inc. Warranty Registration Dept. 104 2340 Palma Drive Ventura, CA 93003

Don't forget to include a copy of your receipt as proof of purchase.