























SMARTPOOL SMART-KLEEN™ (NC22) ROBOTIC POOL CLEANER OPERATION MANUAL

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

-  **DANGER:** Risk of electrical shock or electrocution — The electrical supply to this product must be installed in accordance with the National Electrical Code and all applicable local codes and ordinances. Improper installation will create an electrical hazard which could result in death or serious injury to pool users or others due to electrical shock, and may also cause damage to property.
-  **WARNING:** DO NOT USE EXTENSION CORDS - DEATH OR INJURY CAN RESULT.
-  **WARNING:** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times
-  **WARNING:** If ambient air temperature exceeds 115° F. (46° C), protect the power supply from direct sunlight. Do not cover the power supply.
-  **WARNING:** The sole purpose of this product is for use as a robotic pool cleaner as described in this manual; any modification or other use will void the warranty.
-  **WARNING:** Do not allow children to use, touch, or play near or around the unit's power supply.
-  **WARNING:** A Ground Fault Current Interrupter (GFCI-USA) and Earth Leak Interrupter (ELI-EU) must be installed to protect your electrical outlet and to prevent any possible electric shock. Failure to do so could create an electrical hazard which could result in death or serious injury to pool users or others due to electrical shock and may also cause damage to property.
-  **WARNING:** Do not connect unit to AC power until installation has been completed.
-  **WARNING:** Do not use if unit is damaged in any way.
-  **WARNING:** Make sure the robotic pool cleaner is unplugged from its power supply before opening the unit or performing any other maintenance.
-  **WARNING:** To avoid damage to the power supply and cord, never carry the power supply by the cord or pull on the cord to disconnect from an outlet. Instead, disconnect by pulling the plug, itself, from the outlet. Do not pull cord around sharp corners or edges.
-  **WARNING:** Do not play with the cleaner or cable or apply to body. It can trap or tear hair or body parts. The cable can trip or entangle swimmers which could result in drowning.
-  **WARNING:** Do not operate with a damaged cord or power supply.
-  **WARNING:** Before installing the cleaner, understand the cleaner's coverage. The cleaner was not designed to automatically clean steps or to work under solar covers. It was also not designed to do initial clean up for a new pool installation.
-  **WARNING:** Your cleaner should not be used while people are swimming in the pool.
-  **WARNING:** The power supply must be at least 12 feet / 4 meters from the pool's edge at all times!
-  **WARNING:** It is recommended that you clean your filter bag and check the impeller to make sure it is free and clear of debris after every use.
-  **CAUTION:** Disconnect the power supply from the outlet when not in use.
-  **CAUTION:** DO NOT switch the pool cleaner to "ON" if it is not immersed in the water. Operation the cleaner out of the water may cause severe damage and will result in loss of warranty. Always remember to turn the power supply "OFF" and unplug it from the power outlet before removing the cleaner from the pool.
-  **CAUTION:** If your robotic pool cleaner is not working as it should or has been dropped or damaged in any way, contact SmartPool, Inc. Technical Service before using at 1-732-730-9880 or visit our website at www.smartpool.com.

SAVE THESE INSTRUCTIONS

Congratulations on your purchase of the most technologically advanced automatic pool vacuum available today. The Smart-Kleen is easy to use and will make maintaining your pool affordable and effortless. Following these simple directions will ensure that the Smart-Kleen will quickly and efficiently clean your pool today and for many years to come.

INSTALLATION

- Check to make sure the power supply is in the OFF position (push switch up toward transformer handle).
- Plug the power supply into a GFI (Ground Fault Interrupter) or ELI (Earth Link Interrupter) protected electrical outlet (110 Volt).
- Do not plug the power supply into an extension cord.
- Plug in the connector from the cleaner into the power supply. The connector is keyed so that it will only plug into the power supply one way. Make sure that the plug is pushed all the way onto the power supply. Slide the connector lock (strain relief) onto the connector and turn the connector lock clockwise until it is snug.
- Walk the cleaner to the farthest point of the pool to ensure full pool coverage.

DO NOT RUN THE CLEANER OUT OF THE WATER.

OPERATING THE CLEANER OUT OF THE WATER WILL DAMAGE THE MOTORS AND VOID THE WARRANTY

- Place the cleaner into the pool and rock the cleaner side to side to release any trapped air. The cleaner will sink to the bottom of the pool.
- Put enough of the blue cord into the water to assure that the cleaner can easily reach all areas of the pool.
- Turn the switch on the power supply to the ON position (push switch down away from transformer handle).
- The cleaner will begin its cleaning program.
- The cleaner will automatically shut itself down after two hours.
- If a second cleaning is required or the unit is accidentally shut off, you should wait 30 seconds before switching the unit on again.

IMPORTANT NOTE: During normal operation, the cleaner will appear to shut off for a few seconds, raise the front wheels off the pool bottom and move either left or right or turn for an undetermined amount of time. This is normal and has been preprogrammed into the unit to assure the quickest and most efficient cleaning of your pool.

GENERAL MAINTENANCE

Please follow the below procedures to ensure maximum cleaner performance and overall component condition.

WATER CHEMISTRY

The following ranges are the recommended water levels to maintain a properly balanced pool.

PH Level: 7.2 – 7.8

Total Alkalinity: 80 – 150ppm

Calcium Hardness: 150 – 300ppm

NOTE: Properly balanced water is a guideline for preserving warranty coverage.

REMOVING THE CLEANER FROM THE POOL

- Slowly pull the blue cord to get the cleaner to the pool surface and near the edge of the pool. **DO NOT PULL THE CLEANER OUT OF THE POOL BY THE CORD.**
- Reach down and grasp the handle of the cleaner and remove it from the pool as shown in Figures 1 and 2.



FIGURE 1: Grasping Handle



FIGURE 2: Lift from Pool by Handle

CLEANING THE FILTER BAG (Filter Bag Should Be Cleaned After Every Use.)

- Turn cleaner upside down and place on ground so the bottom lid is exposed.
- Turn red locking pegs (by wheel area) to the unlocked position as shown in Fig 3. Next press the two red locking clips near the roller brush in towards the center of the unit. Lift the bottom lid out.

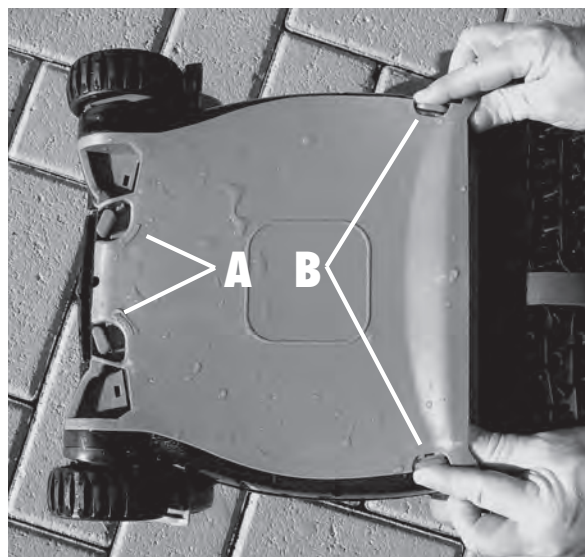


FIGURE 3

A: Turn levers inward as indicated by arrows imprinted on lid

B: Press the red tabs inward as shown and lift lid off cleaner

- Hold the bottom lid as shown in Figure 4 and pull the tab marked “PULL TO REMOVE BAG”.



FIGURE 4

- Turn the filter bag inside out and hose off all debris as shown in Figure 5. If very dirty it may be washed in your washing machine, inside out, with cold water, mild detergent, and by itself. **Do not put in dryer.**



FIGURE 5

- Hose all debris off the bottom lid being sure to get all dirt out of the fine filters on the intake doors as shown in Figure 6.



FIGURE 6

- To reattach the filter to the bottom lid, turn the filter bag right-side-out. Start at the back where the filter bag says “Warning: Push bag behind bottom lid TAB” and insert the filter frame into the channel, so that the tabs are holding the bag in near the label with the word “Warning: Push bag



FIGURE 7

CORRECT INSTALLATION



FIGURE 7A

INCORRECT INSTALLATION

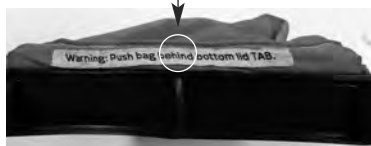


FIGURE 7B

- Press the filter frame down all the way around the perimeter making sure that it is completely seated and behind all the tabs as shown in Figure 8.



FIGURE 8

- Pick up the bottom lid and turn it over so the bag hangs below it. Place the bottom lid back into the cleaner being careful to feed the filter bag into the body of the cleaner. **MAKE SURE ALL FILTER MATERIAL IS INSIDE THE CLEANER OTHERWISE THE LID WILL NOT CLOSE AND LATCH PROPERLY.**



FIGURE 9

- Once the bottom lid is properly seated, turn the red locking clips in the opposite direction of the arrows embossed on the bottom lid until it locks between the two raised locks.

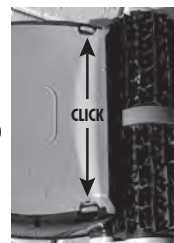


FIGURE 10

- Press the rear section of the bottom lid into the cleaner while pushing the locking clips towards the edge of the cleaner until an audible click is heard as shown in Figure 10.

CABLE MAINTENANCE UNCOILING THE CABLE

In the course of using your Smart-Kleen, the cord may begin to coil. Excessive coiling can lead to improper cleaning coverage of your pool.

- To uncoil the cord, it is best that the cable is wet.
- Place the cleaner on the ground as shown below.
- Be sure to use a clear area that will allow the cord to stretch out in a straight line.
- Unplug the cable from the power supply.
- Pull the cable so it is off the ground.
- Using your fingers, roll the cable in the opposite direction that it is coiled in.
- When straight, wrap cable for storage as shown in Figure 12.

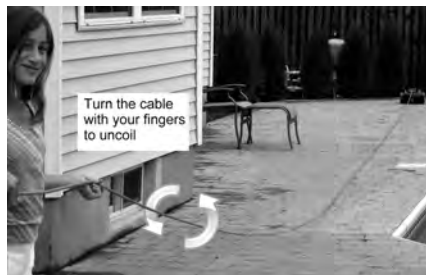


FIGURE 11

STORING THE CABLE

- Unplug the cable from the power supply.
- Loosely loop the cable as shown in Figure 12.
- Hold the cord close to the cleaner.



FIGURE 12

- Make a roughly two foot loop with the cord as shown.
- When making loop, roll the cable slightly in a counter-clockwise manner to maintain form. **DO NOT WRAP THE CORD TIGHTLY AROUND OBJECTS.**

STORAGE

WINTER

If temperatures will regularly be below 45 degrees Fahrenheit or 5 degrees Celsius, the cleaner and power supply should be stored indoors.

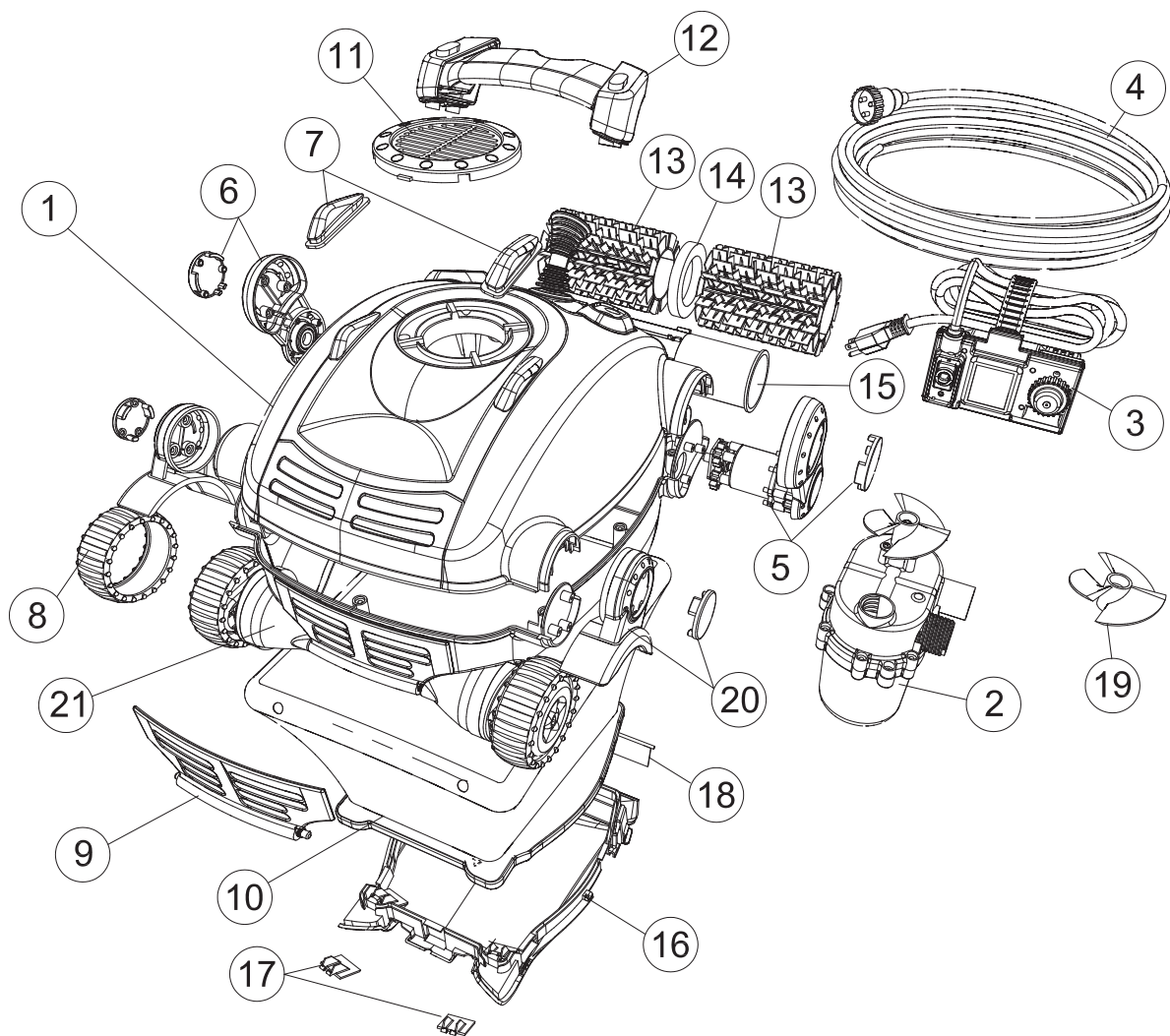
SUMMER

The unit should be stored in an area that will afford some protection from the elements to insure that it retains its finish. **Do not store near open chemicals.**

TROUBLE-SHOOTING GUIDE

ERROR	REASON(S)	SUGGESTION(S)
PUMP AND DRIVE MOTORS NOT OPERATING	AC OUTLET/GFI	CHECK AC OUTLET/RESET THE GFI OR TRY ANOTHER OUTLET
	POWER SUPPLY RESET	TURN THE POWER SUPPLY OFF AND UNPLUG THE POWER SUPPLY FROM THE AC OUTLET. WAIT 30 SECONDS AND TURN POWER SUPPLY ON.
	EXTENSION CORD	TRY PLUGGING THE POWER SUPPLY DIRECTLY INTO AN OUTLET
NOT MOVING	DEBRIS CAUGHT IN TRACKS/BRUSHES/IMPELLER	CHECK FOR DEBRIS AND CLEAN WITH A GARDEN HOSE/MAY HAVE TO REMOVE IMPELLER CAP (1 SCREW)
	CLEANER CAUGHT ON OBSTRUCTION IN POOL	TURN THE CLEANER OFF AND GENTLY PULL ON THE CORD TO REMOVE IT FROM OBSTRUCTION
	FILTER BAG INSTALLATION	RUN THE CLEANER WITHOUT THE FILTER BAG AND CHECK THE BOTTOM LID/FILTER BAG FOR PROPER INSTALLATION
	TRACKS FALLEN OFF	CHECK TO SEE IF THE TRACKS ARE LOOSE OR HAVE FALLEN OFF COMPLETELY
NO SUCTION	FILTER BAG INSTALLATION	RUN THE CLEANER WITHOUT THE FILTER BAG AND CHECK THE BOTTOM LID/FILTER BAG FOR PROPER INSTALLATION
	FILTER BAG FULL	CLEAN THE FILTER BAG THOROUGHLY WITH A GARDEN HOSE
	DEBRIS IN FAN/IMPELLER	CHECK FOR DEBRIS AND CLEAN WITH A GARDEN HOSE/MAY HAVE TO REMOVE IMPELLER CAP (1 SCREW)
STARTS AND STOPS	FILTER BAG INSTALLATION	RUN THE CLEANER WITHOUT THE FILTER BAG AND CHECK THE BOTTOM LID/FILTER BAG FOR PROPER INSTALLATION
	FILTER BAG FULL	CLEAN THE FILTER BAG THOROUGHLY WITH A GARDEN HOSE
	DEBRIS CAUGHT IN TRACKS/BRUSHES/IMPELLER	CHECK FOR DEBRIS AND CLEAN WITH A GARDEN HOSE/MAY HAVE TO REMOVE IMPELLER CAP (1 SCREW)
	BRUSHES WORN	CHECK THE BRUSHES AND RING (IF APPLICABLE) FOR WEAR. REPLACE IF NECESSARY
	CAUGHT ON SOMETHING IN POOL	TURN THE CLEANER OFF AND GENTLY PULL ON THE CORD TO REMOVE IT FROM OBSTRUCTION
BACK & FORTH/DOING WHEELIES OR SPINNING IN CIRCLES	FILTER BAG INSTALLATION	RUN THE CLEANER WITHOUT THE FILTER BAG AND CHECK THE BOTTOM LID/FILTER BAG FOR PROPER INSTALLATION
	DEBRIS CAUGHT IN TRACKS/BRUSHES/IMPELLER	CHECK FOR DEBRIS AND CLEAN WITH A GARDEN HOSE/MAY HAVE TO REMOVE IMPELLER CAP (1 SCREW)
	CLEANER CAUGHT ON OBSTRUCTION IN POOL	TURN THE CLEANER OFF AND GENTLY PULL ON THE CORD TO REMOVE IT FROM OBSTRUCTION
	TRACKS FALLEN OFF	CHECK TO SEE IF THE TRACKS ARE LOOSE OR HAVE FALLEN OFF COMPLETELY
CORD TANGLING	FLOATING CORD NOT BEING UNPLUGGED FROM POWER SUPPLY REGULARLY	MAKE SURE THE CABLE IS BEING UNPLUGGED FROM THE POWER SUPPLY AFTER EVERY 1-2 CYCLES TO RELEASE THE TENSION THAT BUILDS DURING A CYCLE
	EXCESS CORD IN POOL	ONLY USE THE NECESSARY AMOUNT OF CABLE TO COVER THE POOL EFFICIENTLY
	CORD NOT BEING UNWOUND BEFORE USE	MAKE SURE THE CABLE IS STRAIGHTENED OUT BEFORE THE CYCLE IS STARTED/WALK THE CLEANER THE LENGTH OF THE POOL TO STRAIGHTENED CORD
	CORD BEING WRAPPED/STORED INCORRECTLY	WHEN WRAPPING THE CABLE, MAKE LARGE LOOPS AND START AT THE CLEANER END SO THE FREE, PLUG END CAN UNWIND ANY RESIDUAL TENSION
UNIT FLOATING/CLIMBING	AIR TRAPPED IN FILTER BAG	ROCK THE CLEANER BACK AND FORTH UNDER WATER TO RELEASE ANY TRAPPED AIR
	CLEANER CLIMBING TOO HIGH REGULARLY	A WEIGHT CAN BE ADDED TO THE CLEANER TO PREVENT IT FROM CLIMBING TOO HIGH AND TO ASSIST IN THE DESCENT BACK TO THE FLOOR
	D.E. PRESENT IN FILTER BAG	IF THERE IS D.E. IN THE POOL, IT COULD CLOG THE BAG. CLEAN THE BAG THOROUGHLY

If your cleaner is still not performing properly after all of the troubleshooting has been performed please contact SmartPool, Inc. Technical Service at 1-732-730-9880 M-F, 9-5 EST.



Location	Part #	Description
1	NC1037	Replacement Top Shell (Avail. In Charcoal Grey Only)
2	NC1009:02	Pump Motor
3	NC1013	Power Supply
4	NC101240:02BL	Floating Cord 40'
5	NC1006B:02	Drive Motor Assembly - Black
6	NC1010B	Drive Tube Mount - Black
7	NC1011	Top Shell Bumper
8	NC1002	Sensor Wheel Tire
9	NC1005	Quick Drain Flap
10	NC1017	Filter Bag
11	NC1003	Replacement Impeller Cover
12	NC1008	Handle incl. Screws
13	NC1004	Drive Brush (Set of 2)
14	NC1014	Foam Ring
15	NC1007	Drive Wheel Tube
16	NC1016B	Replacement Bottom Lid - Black Only
17	NC1018	Front Intake - Includes Debris Filter and Spring
18	NC1019	Rear Intake - Includes Debris Filter and Spring
19	NC1015	Replacement Impeller - Black Only
20	NC1050B	Front Fender - Black
21	NC1001:02	Chassis with Sensor Wheels

Model NC22

2-YEAR LIMITED WARRANTY

This product has been manufactured, tested and inspected in accordance with carefully specified engineering requirements. It is warranted to be free from defects in materials and workmanship under normal use and service, subject to qualifications, conditions and limitations described below.

SmartPool, LLC. 2 Year Limited Warranty:
1st Year: Full coverage on manufacturer defects.
2nd Year: 50% coverage on motors.

Owners will be charged 50% of the current MSRP for motors found to be defective within the second year of ownership. The purchaser is also responsible for labor charges associated with the repair of the product and applicable freight costs.

This warranty applies only while using this product in the United States and Canada. Customers outside the continental United States will be responsible for inbound and outbound freight on all claims. Those within the continental US will be responsible for shipping charges to a repair center, if there is not one within driving distance. SmartPool will cover freight back to the customers within the continental US for approved warranty claims.

This warranty extends to the first consumer/purchaser for a period of 24 months from the original date of purchase.

This warranty covers only normal and reasonable use. Any damage, defects, malfunctions or other failures arising from its use without the original transformer or any use which does not comply with the instructions in this manual, including failure of the purchaser to provide reasonable and necessary maintenance, will void this warranty. This warranty only applies to cleaners used in a residential pool. Cleaners operating in a commercial setting will not be covered by this warranty.

The warranty obligations of SmartPool, LLC. shall be limited to repair or replacement of the product or any defective component, at the discretion of SmartPool, LLC.. The repair or replacement may include the use of refurbished components and/or units. SmartPool, LLC. will not be liable or responsible under any circumstances or in any amount for any consequential or incidental damages, for any injury or damages to persons or property using or used in connection with this product, or for loss of profits or other costs or expenses of any kind or character. This warranty does not include replacement of the filter bag, tracks, climbing rings or brushes.

THERE ARE NO OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHER, MADE BY SMARTPOOL OTHER THAN THOSE SPECIFICALLY SET FORTH IN THIS WARRANTY. NO PERSON, FIRM, OR CORPORATION IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR INCUR ANY OBLIGATIONS IN THE NAME OF OR ON BEHALF OF SMARTPOOL, EXCEPT AS STATED HEREIN. THE REMEDIES SET FORTH IN THIS WARRANTY ARE EXPRESSLY UNDERSTOOD TO BE THE EXCLUSIVE REMEDIES AVAILABLE TO THE PURCHASER, AND THIS WARRANTY CONTAINS THE FULL AND COMPLETE AGREEMENT BETWEEN SMARTPOOL AND THE PURCHASER. THIS WARRANTY SETS FORTH THE ONLY OBLIGATIONS OF SMARTPOOL WITH REGARDS TO THIS PRODUCT, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

To obtain warranty service, call SmartPool Customer Support Specialist at (732) 730-9880, Monday – Friday, 9:00 a.m. – 5:00 p.m. EST.

CAUTION:

Some vinyl liners are more susceptible to surface wear and pattern removal than others, caused by objects such as brushes, toys, floats, chlorine dispensers, and automatic pool cleaners coming into contact with the vinyl surface. Such patterns can be easily scratched or abraded merely by rubbing the surface with a brush. Pattern ink can also rub off when they come into contact with objects in the pool. SmartPool is not responsible for, nor does this limited warranty cover pattern removal, abrasion, and markings on or damage to any kind of vinyl liner.

