

INFINITY 2000

OWNERS MANUAL & SAFETY INFORMATION

POOL COVER SPECIALISTS NATIONAL, INC.

1-800-369-5152

THANK YOU FOR PURCHASING AN *INFINITY 2000*

Since the founding of Pool Cover Specialists, Inc., in 1985, the company's purpose has been to provide safety, savings, and convenience to families like yours. Although the Pool Cover Specialists Team continues to strive diligently to provide its customers with the finest safety covers available, drowning still ranks among the leading causes of death for young children; consequently, the team wishes to stress the following precautions:

- Pool Cover Specialists National, Inc. strongly recommends layers of protection, of which your new safety pool cover is one.
- There is no substitute for constant adult supervision. Most drowning occurs during a five-minute or less lapse in supervision.
- Do not consider young children "water-safe" just because they have had swimming lessons.
- Instruct babysitters about the potential backyard hazards.
- Install a telephone poolside with emergency numbers posted, as well as your home address.
- Beware of a free-floating cover. A child can slip beneath such a cover unnoticed.
- Always roll your pool cover completely off the pool before swimming since someone could become trapped underneath a partially opened cover.

Dear Pool Cover Owner:

Each year Pool Cover Specialists National, Inc. spends time and money to communicate these and other precautions to the public; however we know that your recommendation to your neighbors, friends, and family members serve as the most effective method to accomplish the spread of this important information-- more so than any type of paid advertising.

*As a personal **Thank You** for making another pool safe, we offer cash discount certificates for leads that result in a sale of a safety pool cover. If you are the first to let us know about any potential lead resulting in a sale, we will gratefully reward you with from \$50.00 to \$200.00. Please contact our toll-free, National Sales Hotline at 1-800-369-5152 if you know anyone expressing an interest in purchasing a safety pool cover system or seeking information about the various types of safety cover systems available.*

Again, on behalf of the entire Pool Cover Specialists Team and the pool professional from whom you purchased your pool cover system, we thank you for your commitment to pool safety. Please enjoy your pool and swim safely.

Sincerely,

Wesley L Mathis

Wesley L. Mathis.

C.E.O, Pool Cover Specialists National, Inc

OPERATOR INSTRUCTIONS

WARNING: DO NOT OPERATE THE COVER WITHOUT FOLLOWING THE INSTRUCTIONS BELOW: FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR DAMAGE TO THE COVER.

1. Maintain a clear view of the pool when operating the cover.
2. Do not operate the cover with swimmers in the pool.
3. When covering the pool, release the control lever the moment the cover reaches closure.
4. If the cover becomes skewed or obstructed, release the control lever immediately, back the cover up a few feet, then proceed forward again. (If the cover continues to “jam,” or becomes “skewed,” stop the cover again and contact an authorized technician to correct the problem.)
5. Do not operate the cover when the water level is low. (Severe damage to mechanism and/or fabric could result.)
6. Restrict children and adults unfamiliar with these instructions from using the cover by removing the key from the control whenever the cover is not being operated.
7. Do not walk on the cover except during an emergency.
8. Close the cover and remove the key whenever the pool is unattended.
9. Keep rain water/standing water pumped from the top of the cover. (Standing water could pose a serious health threat.)
10. If the cover consistently comes back crooked or experiences excessive tension, discontinue use until an authorized technician has serviced the cover.
11. Pay close attention to proper pool water chemistry. (Water that is consistently out of balance could result in extensive damage to the fabric.)
12. Examine the cover periodically for wear. When the fabric becomes brittle and develops cracks, order a replacement fabric. (A badly worn cover may not safely support weight during an emergency.)
13. Enjoy your pool! (Proper use of your *INFINITY 2000* will not only give you peace of mind, but will save time and money as well, making your pool ownership the pleasurable experience it should be.)

THE INFINITY 2000

Manufactured with the highest quality of materials and engineered for low maintenance and ease of operation, your *INFINITY 2000* pool cover system will offer you years and years of dependable service with just routine maintenance. As with any precision-engineered machinery, however, failure to provide proper maintenance or to abide by the Operating Instructions will adversely affect the performance of your system. The manufacturer urges you, therefore, to familiarize yourself with each section of this manual.

FABRIC STRENGTH

The *INFINITY 2000* is a “safety cover” which meets or exceeds all of the A.S.T.M. standards for safety covers. It creates a protective barrier capable of supporting the weight of several people; however, intentional playing or walking on the fabric is discouraged since such activity increases the likelihood of sharp objects penetrating the fabric and could also interfere with the even roll-up and extension of the fabric.

Since the *INFINITY 2000* is a “floating” safety cover, its ability to support the weight of heavy objects (i.e., several thousand pounds of snow) would be compromised by an inadequate water level in the pool. The cover was not designed to accommodate situations where less than eighty-five percent of the cover’s under-surface is making direct contact with water. It is the pool water itself that supports the tremendous weight of snow or other heavy objects. The cover simply provides a protective barrier between the water and any objects resting on the top of the cover. Failure to maintain an adequate water level when the cover is in use could result in extensive damage to the fabric or a separation of the track from the coping to which it is anchored. More importantly, inadequate support created by an insufficient water level beneath the cover could compromise the cover’s ability to perform as a safety barrier. Therefore, be sure that your pool water is kept at its normal level, not just during the swimming season but during the “off season” as well.

ANNUAL MAINTENANCE

The *INFINITY* 2000 has been carefully designed for low maintenance requirements. To ensure maximum performance of your system, however, the manufacturer recommends an annual "spring service," particularly in areas where the pool is not used during the winter season. Seasonal inactivity and other factors, like high humidity and wide temperature variations, enhance the likelihood that a moving part may become "stiff" or "frozen."

During an Annual tune-up, all moving parts are checked and lubricated; debris is removed from the mechanism "housing"; the track is cleaned and tightened, and rope tension is checked to ensure smooth movement of the cover.

WATER LEVEL

Since the *INF/NITY* 2000 was designed as a "floating" cover, failure to maintain the recommended water level in your pool could adversely affect the operation of your cover and result in damage to both fabric and mechanism. Do not attempt to operate the cover if the water level is so low that less than 85% of the cover's surface is making direct contact with the pool water.

Another reason to maintain an appropriate water level is to support rain and snow that may accumulate on the cover's surface. With ample water in the pool, the cover will support tremendous amounts of snow or rain water until you can pump it off; without such protection, however, the weight created by just a few inches of snow or water could cause the cover to separate along the sides or allow the track to pull away from the coping. Always maintain a normal water level and pump the cover off as quickly as possible.

DRAINAGE

The mechanism housing, on recessed models of the *INFLiVITY2000* is designed to act as a drain for water that may find its way into the housing. Keep the housing free of debris by cleaning it at least once a year. Note: This procedure is accomplished as part of the annual "spring tune-up" recommended by the manufacturer.

CARE OF FABRIC

The key to longevity of your fabric is proper water balance as well as regular care and cleaning of the fabric.

Care of the cover is as simple as removing any sharp objects before rolling the fabric around the roller and removing leaves, insects, dirty water, etc. before they have a chance to affect the vinyl by leaving a residue. When the cover does become soiled from dirt, organic matter, un-dissolved solids from chemicals, the cover should be rinsed off with fresh, clean water. To remove suntan lotion or leaf stains, try using a small amount of a diluted non-detergent cleaner (i.e., Ivory Flakes). NEVER use detergents on vinyl material.

Patch even the smallest holes. Vinyl patch material and glue can be obtained from your dealer. If water penetrates the vinyl and comes in contact with the scrim (the thread-like reinforcement), the scrim will soak up water, carrying chemicals and contaminates to the inside of the material, which will lead to stiffening and/or contamination of the vinyl. Patching should be done on both sides, if possible.

The primary thing to remember regarding chemicals and your new cover is that you will almost certainly have to change the quantity of chemicals and the frequency of chemical application. With the proper use of the cover, chemicals will dissipate at a substantially diminished rate. You must avoid a build up in the quantity of chemicals in the pool water. Such a build up may create improper balance, which may cause deterioration of the vinyl cover. After adding chemicals to your pool, allow the chemicals to circulate before closing the cover.

Please pay particular importance to the chemicals you use. Chlorine can vary in pH value dramatically. Long-term imbalance or consistently fluctuating pH can ruin your vinyl cover in just a season or two. Making sure your water is balanced should be on the top of your checklist!

Please make sure that your pool service company or whoever is in charge of pool maintenance is fully aware of this information. Obtain a good test kit. A good rule of thumb: Do not cover any water you would not swim in.

WARNING: Never leave an open pool unattended.

INSPECT FOR DETERIORATION

Give your cover a thorough inspection at least twice a year. Over the years, depending on your cover's exposure to chemicals, dirt, and sun, the vinyl will become brittle and eventually begin to crack. When this occurs, the polyester mesh will be exposed and begin to change the capability of your cover to support weight. Inspection for this kind of deterioration should begin with examination for leaks. Patch the holes immediately. Any change in the feel of the vinyl, such as brittleness or stiffness, can indicate a problem. In areas where the cover is pulled over deck or coping, it is possible to gradually wear the vinyl away. If the mesh becomes exposed, repair the cover immediately. Inspect the sewing along the side of the cover. If threads are broken or frayed, the strength of the cover will be diminished. If you suspect a problem, please call your dealer immediately.

TRACK MAINTENANCE

Dirt and sand can build up around the fabric inside the track, especially when the cover is not frequently used, resulting in possible impairment of the cover's operation, uneven retraction, and premature wear of the fabric's nylon webbing. To flush out the track, first retract the cover, then squirt water under pressure down the full length of each track. Also, since your track is the primary means of anchoring your cover to your pool, inspection of the fasteners used to hold your track to the pool sides is as important as inspecting the cover. Make sure that all the screws are tight and immediately replace any missing track screws.

COVER RETRACTED TOO FAR

Some models do not contain automatic forward/reverse limit switches. On such models, releasing the control lever is the only means of stopping the forward or reverse movement of the cover. Since the cover moves quite rapidly, extreme caution should be exercised when rolling the cover off the pool, and under no circumstances should an untrained individual be allowed to operate the cover.

If the cover is accidentally retracted too far, do not attempt to roll the cover out until the cover has been put back in the track manually. To accomplish this, remove the screw that holds the nylon guide in place. Feed the cover through the nylon guide and into the track groove; re-fasten the nylon guide. It should now be safe to run the cover. If the webbing is badly frayed,

however, you may need to remove the frayed portion with a pair of scissors before re-threading. If the corner of the cover is damaged extensively, it may be necessary to splice in a new corner. Note: If you own a limit-switch model that fails to stop automatically or retracts several inches unevenly, contact your dealer for service immediately. Consequential damage to a fabric resulting from continued use of a cover with failed limit switches is not covered under the manufacturers Limited Warranty.

RAIN WATER REMOVAL

Since water on top of your cover could result in drowning, remove it as quickly as possible with the submersible pump provided with your system. Designed to activate automatically during the presence of water, the pump should be placed on the cover anytime your pool is covered. NOTE: Be aware that water accumulation on top of the cover can come from holes or leaks in the cover or from overspray and misdirected sprinklers.

Do not be fooled into thinking that a small amount of water on your cover is "safe"; puddles on the cover can become consolidated into a pool of water several inches deep where weight is applied, causing water to migrate to the depression.

Normally, placement of the pump onto the cover will create a large enough depression to allow accumulated water to gravitate to the depression. "Snaking" the hose attached to the pump along the cover surface may also help move the water toward the depression created by the pump.

WARNING: Your pump is an electrical device and caution should be used when handling the pump and cord around water. Place the pump on the cover first; then, plug in the pump. DO NOT stand on a wet surface while using the pump. Your pump should not be used for any other application other than specified in these instructions.

NOTE: Do not allow the pump to remain tipped over. The automatic on/off feature will not work if the pump is on its side. Keep your pump clean and well maintained at all times.

DO NOT ATTEMPT TO OPEN YOUR COVER WITH WATER ON IT. Also, be aware that if a significant amount of water collects on top of the cover, it will displace the water in the pool, resulting in

a low water level. This displaced water will need to be replaced since the weight of the cover and proper operation of the cover depend on normal water level for support. **KEEP YOUR WATER LEVEL UP AT ALL TIMES.**

OPERATION OF THE RULE 1800 PUMP

The computerized, automatic control system in the pump assures that the pump will not run needlessly. When immersed in water, the pump will begin pumping immediately upon being plugged in. After pumping the water out, the pump will automatically stop. The pump will then periodically cycle and run for less than a second if not water is not present. If water is present, the pump will continue pumping until the water is removed. In the event of a power outage, the pump will restart automatically upon restoration of the

power. When not in use, the pump should be disconnected from the power source.

NOTE: The pump may be re-started at any time by disconnecting the power, waiting five seconds, and then reconnecting the power. If no water is present, the pump will only run momentarily. If water is present, the pump will continue to run until the water is removed.

IMPELLER JAMMING: The Rule 1800 is equipped with a protective circuit which will prevent damage to the pump should it ever become jammed with debris. The pump will continue to test for water every few minutes and shut itself off if no water is present or if the impeller is unable to move. If the pump should jam due to debris, the debris should be removed as soon as possible so that the pump can return to its normal automatic pumping mode

TROUBLE SHOOTING

SYMPTON	POSSIBLE CAUSE	CURE
Pump doesn't run.	Electrical connections	Check electrical receptacle for power. Check fuse and/or circuit breaker. Is the 3-prong G.F.C.I. outlet grounded and in good condition? Is the plug making good contact?
Pump runs, doesn't pump water.	Air lock.	Check the hose. Is it running level or downward? Are there any loops?
Pump only runs a few seconds.	Insufficient water. Blocked discharge line.	Water level must be above strainer. Unplug; remove debris from hose.

PATCHING A HOLE IN THE FABRIC

To repair a leak in the fabric, retract the cover until the area to be repaired is on the top of the beam (undertrack models) or the deck (toptrack models). Clean the area around the hole thoroughly and dry the fabric. The patch should have rounded corners and overlap all sides of the hole or tear by one inch. Apply the vinyl glue (available from your cover dealer) to the patch as well as the area to be patched. Wait until both surfaces are "tacky." Then join them together. For small "pinholes," clean the area and

seal with a drop of glue. If possible, the cover should be patched on both sides.

COVERING THE POOL MANUALLY

In the event of an emergency (ie., a power outage), it is possible to cover the pool manually, although it is highly recommended that you contact an authorized service technician to accomplish this procedure. Covering the pool manually requires two people. Remove the shifting collar to separate the mainshaft from the motorshaft. Pull a few feet of rope from the rope reels located on the motor-side of the mechanism. Pull evenly on both ropes until

the cover is over the pool (it may be easier to pull the cover forward if a person is on each side of the pool, pulling forward on the leading edge in synchronization with whoever is pulling the ropes). It may be necessary to remove the aluminum lid to facilitate this task. It may also help to unroll a little fabric manually before pulling the material in the track.

UNCOVERING THE POOL MANUALLY

This operation requires two people. Remove the aluminum lid by removing all the hinge screws. Remove the shifting collar to separate the mainshaft from the motorshaft. With one person on each side, pull the cover back, sliding the material out of the ends of the track. Try to pull the material as level with the track as possible. "Accordion-fold" the material as it comes out in back of the mechanism. The "trick" is to pull both sides simultaneously, exerting the same amount of energy and maintaining the same rhythm. It may help to pull some rope off of the two reels to reduce the tension. Unless an emergency exists that would not permit waiting for a technician, an authorized technician should accomplish manual removal of your cover.

PROPER WINTERIZING

Particularly in colder climates, it is important that the pool water be kept at normal level during the winter. Only then will the water or snow be adequately supported, preventing damage to the fabric and track. Just a few inches of water on the cover can result in a thousand pounds or more of weight that could severely damage fabric, metal, or concrete if not supported by water underneath. Once the water freezes, do not open the cover until a thaw occurs. However, it still may be possible to add water to the pool through the skimmer. Keep all water pumped off of your cover as freezing temperatures approach in the fall in order for your cover to go through winter with as little water on top as possible. When spring weather arrives or even a winter thaw, pump the cover off. If precautions are taken, your cover will survive any normal winter.

CHEMICALS

It is important to note that with your *INFINITY 2000*, you will use far fewer chemicals than uncovered pools require. Uncovered pools require chlorinating at a constant rate because of constant dissipation. With proper use of your cover, however, loss of chemicals due to dissipation will be substantially diminished. The use of constant chlorinating may, in fact, be detrimental to the longevity of the cover material. It is important that you maintain proper chemical balance in your pool water. Over time, improper pool chemistry can damage the fabric and significantly impair its longevity. Also, avoid covering your pool for several hours following an application of any kind of "burn out" or "super chlorinating treatment". The manufacturer's Limited Fabric Warranty does not cover a deterioration of your fabric caused by improper chemical use.

ELECTRICAL DATA

Code requirements are such that the unit should have been properly grounded when installed and wired to a GFI (ground fault indicator) breaker. Periodically, the ground and the breaker should be tested. A power source other than one connected to a GFI breaker should never be used around a swimming pool! If the mechanism housing has been flooded or any of the electrical connections have been compromised (i.e., bare wires), do not operate the system or go near the pool until a qualified electrician has made repairs and determined that the risk of electrical shock has been eliminated. Note: Do not continue to activate the control lever if the cover is bound up and fails to move the cover. Approximately twenty seconds of such activation could burn up the interior wires of the motor and destroy it. Such an act would constitute abuse of the system and void the electrical Limited Warranty.