

***INFINITY 4000™***

***OWNERS MANUAL***

***&***

***SAFETY INFORMATION***

**POOL COVER SPECIALISTS NATIONAL, INC.**

**1-800-369-5152**

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# THANK YOU FOR PURCHASING *AN INFINITY 4000™*

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, drownings still rank 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 drownings occur 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 recommendations 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 or discount certificates for leads that result in a sale of one of our safety pool covers. 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 use our toll-free, National Sales Hotline at 1-800-369-5152 if you know of 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,



Jen Huber  
President, Pool Cover Specialists National, Inc.

# OPERATING 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 the cover has been serviced by an authorized technician.
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 4000™* 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 4000™

Manufactured with the highest quality of materials and engineered for low maintenance and ease of operation, your *INFINITY 4000™* 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 4000™* 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 4000™* is a “floating” safety cover, the 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 4000™* 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 *INFINITY 4000™* 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 it is pumped 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.

## DRAINAGE

The mechanism housing, on recessed models of the *INFINITY 4000™*, 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, undissolved 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 diluted non-detergent cleanser (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 contaminants 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. Most Important: 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 fabric 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.

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 rethreading. 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 manufacturer's 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 over-spray 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 will 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 no water is 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.

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## TROUBLE SHOOTING

### *SYMPTOM*

Pump doesn't run.

### *POSSIBLE CAUSE*

Electrical connections.

### *CURE*

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 level. Blocked discharge line.

Water level must be above strainer. Unplug; remove debris from hose.

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## 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 deck. 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. When 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 main shaft from the motor shaft. 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 main shaft from the motor shaft. 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, manual removal of your cover should be accomplished only by an authorized technician.

## WINTERIZING YOUR COVER

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 on your cover has become frozen, do not attempt to remove the cover until a thaw occurs; however, it still may be possible to add water to the pool through the skimmer should a leak

develop during the period when the pool is winterized. 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 a winter thaw occurs, 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 4000™*, 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". A deterioration of your fabric caused by improper chemical use is not covered by the manufacturer's Limited Fabric Warranty.

## 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.



# IMPORTANT INFORMATION!

## PLEASE READ!

### LIMITED WARRANTY ACTIVATION INSTRUCTIONS

PCSN will mail your **Limited Warranties** to you upon receipt of the **OWNER SURVEY & WARRANTY REGISTRATION** form provided by the company who sold you your system. It is important to PCSN that you are satisfied with the installation and feel comfortable with the safety instructions and operating procedures; however, since PCSN is a wholesale supplier only and the contractor providing your installation is not employed by PCSN, this survey provides PCSN its only means of determining whether you received adequate instruction and safety information.

An adequate understanding of the information in the survey is essential to the safe operation of your cover as well as the performance and reliability of your system; consequently, you should not operate your cover mechanism until you understand the information detailed in your **Owners Manual** and you have reviewed the **OWNER SURVEY & WARRANTY REGISTRATION** form. If the independent dealer performing your installation neglected to provide you with this information, please contact PCSN immediately at the following number: 1-800-369-5152. **IMPORTANT:** *PCSN can not issue Limited Warranties without receipt of a signed OWNER SURVEY & WARRANTY REGISTRATION form.*

Since the company who provided your system is an independent re-seller who does not represent PCSN or receive any compensation from PCSN, either directly or indirectly, PCSN has no control over any aspect of the re-seller's business, including any representations the re-seller may make to customers--although PCSN does make a concerted effort to screen the industry professionals who purchase its systems for re-sale in an effort to determine that they have a history of providing quality service to their customers. *Any warranty representations, however, that deviate from or go beyond the Limited Warranties provided directly by PCSN are the sole responsibility of the company from whom you purchased your system.*

Many installers provide options, modifications, and/or components that are not manufactured by PCSN. *As such, these components are exempt from any Limited Warranties provided by PCSN and are the sole responsibility of the company who installed them.*

Since PCSN maintains no field service technicians, if you require a replacement part or repair to your system, please contact the company who installed your cover system or contact PCSN at 1-800-369-5152 for information about how to reach an independent service provider near you.

 **WARNING**  
**AVOID DROWNING RISK**

**IMPORTANT SAFETY INSTRUCTIONS**

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

**READ AND FOLLOW ALL INSTRUCTIONS**

- **WARNING – TO REDUCE THE RISK OF INJURY, DO NOT PERMIT CHILDREN TO USE THIS PRODUCT UNLESS THEY ARE CLOSELY SUPERVISED AT ALL TIMES.**
- **REMOVE STANDING WATER – CHILD CAN DROWN ON TOP OF COVER.**
- **REMOVE COVER (S) COMPLETELY BEFORE ENTRY OF BATHERS – ENTRAPMENT POSSIBLE.**
- **NON-SECURED OR IMPROPERLY SECURED COVERS ARE A HAZARD.**
- **DO NOT WALK ON COVER EXCEPT IN AN EMERGENCY. INSPECT COVER PERIODICALLY FOR WEAR (SEE PRINTED INSTRUCTIONS.)**
- **A WIRE CONNECTOR IS PROVIDED ON THIS UNIT TO CONNECT A MINIMUM NO. 8 AWG (8.4MM<sup>2</sup>) SOLID COPPER CONDUCTOR BETWEEN THIS UNIT AND ANY METAL EQUIPMENT, METAL ENCLOSURES OF ELECTRICAL EQUIPMENT, METAL WATER PIPE, OR CONDUIT WITHIN 5 FEET (1.5M) OF THE UNIT.**

**SAVE THESE INSTRUCTIONS**

FOR FURTHER INFORMATION CONTACT:  
Pool Cover Specialists National, Inc.  
800-369-5152

# POOL SAFETY

**Thank you for purchasing an INFINITY 4000™ automatic safety cover. Although we make every effort to provide you with the safest products available, we want to stress the following:**

A swimming pool can provide your family with hours of entertainment and the opportunity for healthy recreation. As a pool owner, be aware that you must ensure your child's safety. There is a risk of child drowning when around any body of water.

There is no substitute for constant adult supervision. Most drownings occur during a five-minute or-less lapse in supervision. By providing barriers between your child and the pool, you can avoid a tragic accident should your child momentarily slip away from your supervision.

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Don't rely on one system-layering, safety precautions provides the strongest safeguard.

Never leave a child alone-even for a second.

Maintain constant eye contact with your children when they are around the pool.

Do not consider young children water-safe because they have had swimming lessons. Swimming instructions for children under three years of age are not recommended.

Instruct baby-sitters about the potential hazard to young children in and around swimming pools and the need for constant supervision.

Train all caretakers in life-saving, cardiopulmonary resuscitation and first aid. No exceptions.

Install a telephone poolside with emergency numbers posted.

Keep toys away from the pool when the pool is not in use. They can lure a child into the pool.

Use inflatable toys only under adult supervision. They may deflate or your child may slip off.

Post and enforce rules such as No Running, No Pushing, No Dunking and Never Swim Alone.

Make sure you have rescue devices accessible poolside.

Keep all doors and windows leading from the house to the pool area secure. Install self-closing mechanisms on doors.

Enclose the pool with a barrier. In fact, fencing may be required in certain areas. Check your local city or county building code for more information.

Install only child-proof, self-closing, self-latching gates around pool.

Vertical bars on a pool fence should be no more than three-and-three-fourths inches apart. Avoid fences such as chain link that provide footholds for little climbers' feet.

Place table and chairs well away from the pool fence to prevent children from climbing in the pool area.

Alert your pool maintenance people, utility personnel, and your neighbors to keep covers, gates, doors to pool closed and locked at all times.

Check to ensure that spa and pool covers pass minimum safety requirements set by the American Society of Testing Materials.

Never use a pool with its pool cover partially in place since children may become trapped under it.

Beware of a free-floating pool cover. A child can slip beneath one unnoticed.

Realize that a child can drown in as little as two inches of water. Drain standing water off of your spa or pool cover.

Investigate using a pool alarm and/or monitoring system that can be worn by a child.

Remove ladders and steps from above ground pools. No objects should be in the pool area for a child to climb on and into the water.

Inspect safety and pool equipment regularly. Preventive devices are only effective if they are in working order.

Sources: Drowning Prevention Society; United States Consumer Product Safety Commissions; National Spa and Pool Institute's Operation Water Watch; and the American Academy of Pediatrics.

# **MANUFACTURER'S LIMITED WARRANTY GOVERNING ELECTRICAL COMPONENTS OF THE INFINITY 4000™**

## **IS THIS A GOOD WARRANTY?**

*Yes. The Manufacturer's Electrical-Component Limited Warranty is designed to provide consumers with the best protection in the industry. Equally important, however, the Manufacturer believes that the best way to ensure consumer satisfaction is to clearly explain what is covered and what is not covered—with no "surprises" or "small print" to confuse or mislead. The Manufacturer recommends that you review the warranty carefully and then register your new cover system, activating your Limited Warranties, by completing the Owner Survey & Warranty Registration Questionnaire, a copy of which the Installing Dealer should have provided you at the completion of his installation. NOTE: If, for some reason, the Installing Dealer, an independent contractor, failed to provide you with the warranty-registration information, within 30 days of the installation, please contact the Manufacturer and request a copy so that the history of your system can be tracked and you will be assured warranty protection.*

## **WHAT IS COVERED UNDER THE TERMS OF THIS LIMITED WARRANTY?**

*Subject to the limitations and exclusions described below (and the product registration requirement described above), if any of the electrical components fail to operate due to defect in workmanship or materials, the Manufacturer will provide replacement of or repair to any defective electrical component for a period of 36 months from the installation date.*

*NOTE: Warranty labor (from technicians at the manufacturer's repair facility) that may be necessary to repair or replace a defective electrical component is limited to one year from the date of purchase. Electrical components which are repaired or replaced after one year may be subject to a labor charge based on the Manufacturer's labor schedule at the time the repair is accomplished.*

*NOTE: The manufacturer's Limited Warranty excludes all labor to remove a defective component in preparation for shipping the component to the Manufacturer's Repair Facility. Similarly, once a component has been repaired or replaced and shipped back to the consumer, the terms of this Limited Warranty exclude any re-installation labor that may be incurred.*

## **WHAT CONSTITUTES AN ELECTRICAL COMPONENT?**

*The electrical components consist of (a) the electric motor which drives the mechanism, (b) the solid-state control board which governs the system's electrical capabilities, (c) the auto-sensors which stop the cover automatically in both directions, and (d) the remote-located key switch or touchpad control used to activate the cover.*

## **WHAT WOULD BE EXCLUDED FROM WARRANTY COVERAGE?**

*Any damage to the electrical components resulting from failure to adhere to the Manufacturer's Pre-Installation Requirements (cover-preparation requirements) is deemed to be the responsibility of the Installing Dealer and, therefore, exempt from the terms of this Limited Warranty (i.e., deviations from electrical code requirements, an inadequate ground-fault breaker, failure to ground properly, use of improperly-gauged electrical wiring).*

*Any damage to the electrical components resulting from failure of the Installing Dealer to follow the Manufacturer's Installation Procedures is deemed to be the responsibility of the Installing Dealer and, therefore, exempt from the terms of this Limited Warranty (i.e., failure to silicone adequately all electrical connections to motor, sensors, or key-switch; failure to position sensors and magnets to read properly).*

*All installation labor and related fees are deemed to be the responsibility of the installing dealer and are,*

*therefore, exempt from the terms of the Manufacturer's Limited Warranty. IMPORTANT: The Manufacturer assumes no liability for damage to the system resulting from improper installation on the part of the Installing Dealer, an independent contractor over whom the Manufacturer has no control. Consequently, the Manufacturer highly recommends that consumers solicit clarification from the Installing Dealer (or the Dealer from whom the system was purchased) as to the extent to which the Dealer warrants his installation.*

*The Manufacturer's Limited Warranty does not cover incidental or consequential damages, nor does it include conditions caused by abuse, neglect, abnormal wear and tear, improper operation (i.e., failure to release the key switch if the cover becomes obstructed), failure to comply with maintenance instructions (i.e., sensors and wire connections should be examined annually during the recommended Annual Maintenance), unreasonable use (i.e., damage resulting from operating the system with standing water atop the cover or damage resulting from operating the cover with a sub-normal water level in the pool).*

### **WHAT CONDITIONS WOULD NULLIFY THIS LIMITED WARRANTY?**

*Failure to have the mechanism installed by a Factory-Authorized Installer/Dealer or to pay charges in accordance with original terms of sale automatically nullifies the Manufacturer's Limited Warranty.*

*Failure to have the mechanism serviced and maintained according to the maintenance schedule described in the Owners Manual automatically nullifies this Limited Warranty.*

### **WHAT STEPS SHOULD BE TAKEN TO INITIATE WARRANTY COVERAGE?**

*To qualify for protection under the terms of this Limited Warranty, it is imperative that you register the system following its installation. This task is accomplished by completing and then mailing to the Manufacturer the Owner Survey & Warranty Registration Questionnaire, a copy of which the Installing Dealer should have provided you. NOTE: If you did not receive this important registration information, please contact the Manufacturer within 30 days of the installation and the Manufacturer will mail you a replacement copy.*

*In the event of an electrical malfunction of your cover system, contact the Manufacturer, describing the problem. Upon receipt of authorization from the Manufacturer, all defective electrical components must be returned to the Manufacturer's Repair Facility, shipping pre-paid, in order to facilitate repair under the terms of the Manufacturer's Limited Warranty. Upon completion of the repair, return shipping charges are the responsibility of the owner. If you have any questions regarding the terms or limitations of the Manufacturer's Limited Warranty, please contact the Customer Service Department at the 800 number listed below.*

*The Manufacturer makes no additional claims of warranty protection, either expressed or inferred, other than those expressed herein.*

**POOL COVER SPECIALISTS NATIONAL, INC.**  
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# MANUFACTURER'S LIFETIME LIMITED WARRANTY: INFINITY 4000™ DRIVE MECHANISM

## IS THIS A GOOD WARRANTY?

*Yes. The Manufacturer's Lifetime Limited Warranty on the drive mechanism is designed to provide consumers with the best, long-term protection in the industry. Equally important, however, the Manufacturer believes that the best way to ensure consumer satisfaction is to clearly explain what is covered and what is not covered—with no "surprises" and no "small print" to confuse or mislead. The Manufacturer recommends that you **review the Limited Warranty carefully and then register your cover system with the Manufacturer, activating your Limited Warranties**, by completing the Owner Survey & Warranty Registration Questionnaire which the installing dealer should have provided you at the completion of the installation. NOTE: If, for some reason, the installing dealer failed to provide you with this important warranty registration information, please contact the Manufacturer and request an additional copy within 30 days of the installation.*

## WHAT IS COVERED?

*Subject to the limitations and exclusions described below, if any of the brackets, extrusions, or non-electrical drive components of your INFINITY 4000™ mechanism fail to operate due to defect in workmanship or materials, the Manufacturer will provide replacement of or repair to any defective component during the lifetime of the operating mechanism.*

*Warranty labor that may be necessary to repair a defective component at the Manufacturer's Repair Facility is limited to twelve months from the date of purchase. Components repaired after twelve months may be subject to a labor charge based on the Manufacturer's labor schedule at the time the repair is accomplished. NOTE: The Manufacturer's Limited Warranty excludes the labor to remove a defective component in preparation for shipping the component to the Manufacturer's Repair Facility. Similarly, once a component has been repaired or replaced and shipped back to the consumer, the terms of this Limited Lifetime Warranty exclude any re-installation labor that may be incurred.*

## WHAT CONSTITUTES THE INFINITY 4000™ DRIVE MECHANISM?

*The drive mechanism consists of all the extrusions, drive gears, and brackets that are part of the cover system. Stated simply, the drive mechanism consists of the entire pool cover system except for the actual pool cover fabric and the electrical components (i.e., the motor, key-switch control, and auto-sensors). NOTE: The cover fabric and electrical components are protected under separate Limited Warranties.*

## WHAT COMPONENTS/CONDITIONS ARE EXCLUDED FROM COVERAGE?

*Since pulleys, leading-edge wheels, "slider" assemblies, and track guides are, by their nature, subject to constant wear under normal conditions, these four components are excluded from the terms of the Manufacturer's Limited Lifetime Mechanism Warranty. Like "filters on a furnace" or "spark plugs from an automobile engine," these four components should be inspected periodically and replaced as needed. The Manufacturer's Limited Lifetime Mechanism Warranty does not cover incidental or consequential damages (i.e., water damage from a flooded housing or storm damage), nor does it include conditions caused by abuse, neglect, abnormal wear and tear, improper operation, failure to comply with maintenance instructions, unreasonable use (i.e., damage caused from operating the mechanism during periods of sub-freezing temperatures, continued operation of a cover that is obstructed, or continued use of a cover with torn or frayed sides which may "catch" in the track.)*

*Since maintaining a normal water level is imperative to the mechanism's ability to operate properly, any damage to track, mechanism, or fabric resulting from failure to maintain an adequate water level is deemed to be the result of negligence and/or operator error and, thus, is excluded from coverage under the terms of the Manufacturer's Limited Lifetime Mechanism Warranty (i.e., inadequate water level may cause (a) the track to separate from anchors in the deck, (b) the leading edge bar to become bent, or (c) the cover to become separated from the track).*

*Deemed to be the responsibility of the Installing Dealer, all installation labor is exempted from the terms of the Manufacturer's Limited Lifetime Mechanism Warranty. Similarly, the Manufacturer assumes no liability for damage to the system resulting from improper installation on the part of the Installing Dealer. Note: The manufacturer highly recommends that consumers solicit clarification from the Installing Dealer (or the Dealer from whom the cover was purchased) as to the extent of and conditions that may affect the Dealer's Installation Warranty.*

## **WHAT CONDITIONS WOULD NULLIFY THE LIMITED WARRANTY?**

*Failure to provide necessary maintenance to fabric, rope, mechanism, extrusions, and/or housing as described in the Owners Manual automatically nullifies the Manufacturer's Limited Lifetime Mechanism Warranty (i.e., it is important to keep the housing free of debris—never roll up a pool toy or other object when retracting the cover! All mounting and anchoring screws may require periodic tightening since vibration, ground settling temperature variation, wind, and other factors may cause the screws to become loosened. Tears in fabric or webbing that adversely affect the cover's movement should be repaired. The track may need to be hosed out periodically and kept free of debris).*

*Failure to have the mechanism installed by factory-authorized personnel or to pay charges in accordance with original terms of sale automatically nullifies the Manufacturer's Limited Warranty.*

*Failure to have the mechanism serviced and maintained, according to the maintenance schedule described in the Owners Manual automatically nullifies this Limited Warranty.*

*Failure to register the cover system, following its installation, by completing the Owner Survey & Warranty Registration Questionnaire and forwarding the document to the Manufacturer so that the system's history can be tracked nullifies this Limited Warranty.*

## **WHAT STEPS SHOULD BE TAKEN TO INITIATE WARRANTY COVERAGE?**

*To obtain replacement or repair under the terms of the Manufacturer's Limited Lifetime Mechanism Warranty, it is imperative that you register the system immediately following the installation by completing the Owner Survey & Warranty Registration Questionnaire, a copy of which the installing dealer should have provided you. Note: If you did not receive this registration form, please contact the Manufacturer within 30 days of the installation and the Manufacturer will mail you an additional copy.*

*Contact the Manufacturer, describing the problem. Upon receipt of authorization from the Manufacturer, all defective components must be returned to the Manufacturer's Repair Facility, shipping pre-paid, in order to facilitate repair under the terms of the Manufacturer's Lifetime Limited Warranty. Upon completion of the repair, return shipping charges are the responsibility of the owner. If you have any questions regarding the terms of limitations of the Manufacturer's Limited Lifetime Mechanism Warranty, please contact the Customer Service Department at the 800 number listed below.*

*The Manufacturer makes no additional claims of warranty protection, either expressed or inferred, other than those expressed herein.*

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# **MANUFACTURER'S LIMITED FABRIC WARRANTY (84 MONTH PRORATA)**

## **IS THIS A GOOD WARRANTY?**

Yes. The Manufacturer's Limited Fabric Warranty is designed to provide you with the best long-term protection in the industry. Equally important, however, the manufacturer believes that the best way to ensure your satisfaction is to clearly explain what is covered and what is not covered with no "surprises" and no misleading small print to confuse or mislead you. The manufacturer recommends that you not only review the warranty carefully but that you also read both the Owners Manual and Installation Questionnaire very thoroughly and that you contact your dealer or the manufacturer if you have any questions at all about warranty protection or how to get the most trouble-free use from your cover system.

## **WHAT IS COVERED?**

1. The manufacturer warrants its fabric against SHRINKAGE to the extent that the cover is not rendered inoperable as a result of "stress" created from a "tight cover." Subject to the proration and exclusions described below, the manufacturer, upon verification of the defect, agrees, at its option, to either repair the fabric by replacing the webbing on both sides with a wider material designed to restore the necessary slack or replace the fabric material.
2. The manufacturer warrants its fabric against DETERIORATION to the extent that water not be allowed to penetrate the fabric in sufficient quantity to render the cover inoperable. Subject to the proration and exclusions described below, the manufacturer, upon verification of the defect, agrees, at its option, to either repair or replace the fabric.

## **WHAT IS THE PRORATED COST?**

1. The price of repair or replacement will be prorated monthly for eighty-four (84) months from the date of purchase.
2. The proration will be applied to the cost of a replacement fabric based on the most current retail price list available at the time Limited Warranty coverage is provided.
3. Although proration is computed monthly from the date of purchase, proration will be exempted during the first three (3) years.
4. The cover must be returned to the manufacturer in order for repair or replacement to be facilitated under the terms of the Manufacturer's Limited Fabric Warranty. If shipment is required, the cover must be returned to the manufacturer by prepaid freight. Return shipping costs are also the responsibility of the owner.

## **WHAT CONDITIONS ARE NOT COVERED?**

1. The Limited Warranty does not cover "pinholes" or fading of the fabric color.
2. The Limited Warranty does not cover incidental or consequential damages (See the Owners Manual and Installation Questionnaire for suggestions about how to avoid operator error that could lead to consequential damage to your system.)



3. The Limited Warranty does not cover tears or lacerations to the fabric, rope, or webbing. (See the Owners Manual and Installation Questionnaire for suggestions about how to avoid operator error that could lead to tears or lacerations in the cover fabric, rope or webbing.)
4. The Limited Warranty does not include labor to remove or re-install a warranted fabric.

## **WHAT CONDITIONS WOULD VOID THE LIMITED WARRANTY?**

1. Conditions caused by improper chemical balance, abuse, neglect, improper operation, unreasonable use, or failure to provide maintenance of fabric, rope, or mechanism as outlined in the Owners Manual will void the Limited Warranty.
2. Failure to have the cover installed, maintained, or repaired by authorized service personnel during the Limited Warranty period or to pay all charges in accordance with original contract terms will void this Limited Warranty.
3. Unless installed by factory-employed technicians (NOTE: Dealers who purchase our systems for re-sale to consumers are NOT employed by the manufacturer), this Limited Warranty does not cover damage resulting from improper installation. The manufacturer recommends that you get clarification from the dealer from whom you purchased your cover as to the extent to which the dealer warrants his installation labor.

## **WHAT STEPS SHOULD BE TAKEN TO INITIATE WARRANTY COVERAGE?**

1. To obtain replacement or repair under the terms of the Manufacturer's Limited Fabric Warranty, send proof of purchase together with a description of the problem to the address listed at the bottom of this page or call the toll-free number with the afore-mentioned information.
2. Upon receipt of authorization from the manufacturer, the defective fabric must be returned to the manufacturer's repair facility, shipping pre-paid, in order to facilitate repair under the terms of the Manufacturer's Limited Fabric Warranty. Upon completion of the repair or replacement of the fabric, return-shipping charges are the responsibility of the owner. If you have any questions regarding the terms or limitations of the Manufacturer's Limited Fabric Warranty, please contact the Customer Service Department at the 800 telephone number listed below.

**The manufacturer makes no additional claims of warranty protection, either expressed or inferred, other than those stated herein.**

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## **Pool Cover Specialists National , Inc. Touchpad Programming Instructions**

**NOTE:** The Touchpad has two programmable codes: A *Supervisor Code* and a *User Code*. Use the *Supervisor Code* to change the *User* and *Supervisor Codes*, and use the *User Code* alone to activate the Touchpad when operating the pool cover. The initial (default) *Supervisor Code* programmed into the Touchpad by the manufacturer is “12345678” and the initial (default) *User Code* programmed into the Touchpad by the manufacturer is “4321”.

Notice that the face of the Touchpad contains a *red light* and a *green light*. The *red light* indicates that the Touchpad has power but is in a “locked” condition. The *green light* indicates that the Touchpad is “active” and will permit the user to open or close the pool cover.

### **Instructions for Reprogramming either the Supervisor Code or the User Code:**

1. On the Touchpad, enter the *Supervisor Code* (12345678), which will cause both the *green* and *red lights* to illuminate.
2. Press “1” on the Touchpad, followed by a new four-digit *User Code*, or press “3” on the Touchpad, followed by a new eight-digit *Supervisor Code*. Note: After pressing “1” or “3”, the red light will extinguish. Upon inputting the new code, the *red light* will re-illuminate (both the *green* and *red lights* will now be illuminated).
3. Press any key except one “1” or “3” to exit, causing the *green light* to extinguish.

### **Instructions for Operating the Cover Using the User Code Created Above:**

1. Input the four-digit *User Code*, causing the *red light* to extinguish and the *green light* to illuminate.
2. Press the “open” key to retract the cover or press the “close” key to extend the cover.
3. To lock the Touchpad, press any key except “open” or “close.” If the Touchpad is left active for more than one minute and thirty seconds, the Touchpad will automatically lock.

