



Automatic Safety Pool Cover

Use & Care Guide



Warranty Information

Welcome to the rapidly growing group of pool owners who enjoy the ease and convenience of an automatic safety cover system. We work hard to provide the best engineering and highest quality materials to make you a satisfied customer and a happy pool owner.

Please read this owner's guide and follow its instructions carefully. It is designed to acquaint you with the features of your new cover system and to help you operate and maintain your system properly. The information here is the accumulated knowledge of thousands of installations. If you receive conflicting information elsewhere, please call Coverstar for clarification.

Coverstar is a "wholesale only" manufacturer of pool cover systems. We have selected the most qualified professional distribution companies to represent our products throughout the world. They will provide you with the local service and maintenance that you may require. The enclosed warranty page has all the warranty information for your specific system and cover material.

Warranty Registration

In order to receive warranty service, please register your cover system with the manufacturer as soon as it is fully installed using the dealer/distributor information and warranty ID# provided. To do this:

Complete the Warranty Registration card included in the homeowner packet. Mail the completed form to the address shown on the back of the form.

For your information, fill in your Dealer / Distributor Information below:

Dealer / Distributor Information		
Dealer/Distributor Name _____		
Address _____		
City _____	State _____	ZIP _____
Phone _____		
Date Installed ____ / ____ / ____		
By _____		

Table of Contents



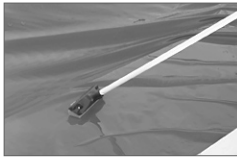
Safety Instructions

ASTM required safety warning	4
Pool water level	4
Using the cover pump	4
Aluminum lid.....	5
Key switch location	5
Partially covered pools.....	5



Operating Instructions

Pool cover operators	6
Covering the pool.....	6
Covering the pool manually	6
Uncovering the Pool	7
Uncovering the pool manually	7



Cover Care & System Maintenance

Water level.....	8
Pool chemistry.....	8
Cleaning the cover	8
Tracks	8
Housing drains.....	8
Mechanism and pulleys.....	9
Preventing rodent damage	9
Adjustments and minor repairs	9
Adjusting the torque limiter	9
Patching the cover	9
Winterizing the cover	9



Installation Safety Checklist & Trouble Shooting

Customer sign off list & trouble shooting.....	10
Cover will not move forward or will not reverse	10
Water leaking onto cover.....	10
Cover retracts out of square.....	10
Cover not even at end of pool.....	10
Cover seems to be running under stress.....	10



Pool Safety Tips

Pool Safety Tips.....	11
-----------------------	----

Electrical Instructions

Bonding	12
Ground Fault	12
Running Wires	12
Key Switch	12

Warranty Information

Mechanism Warranty.....	13
Fabric Warranty	15

Slack in Automatic Covers

Slack in Automatic Covers.....	17
--------------------------------	----

Information in this user guide is believed to be accurate at time of printing. Coverstar reserves the right to make product and instructional changes over time without notice. Visit www.coverstar.com for the latest information and updates to this user guide.

Safety Instructions



IMPORTANT SAFETY INSTRUCTIONS

1. **READ AND FOLLOW ALL INSTRUCTIONS.**
2. **WARNING:** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
3. All field-installed metal components such as rails, ladders, drains, or other similar hardware within 3m of the unit shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 8 AWG (No. 6 AWG for Canada.)
4. Keep the pump on the cover and set up for proper use whenever the cover is over the pool.
5. Check cover frequently for signs of premature deterioration or weakness.
6. **SAVE THESE INSTRUCTIONS.**

POOL WATER LEVEL

Maintain the water level at the middle elevation of the skimmer opening. If the water drops below this level, the cover may operate under stress. Never cover the pool without the proper water level under the cover. The water supports all weight on the surface of the cover. If the water level is low and water builds up on the cover, severe damage may be done to the coping and/or cover system.

USING THE POOL COVER PUMP

Water accumulation on the top of the cover can come from rain, snow, over spraying sprinklers, or leaks that may develop in the cover. Even what appears to be small amounts of water spread over the whole surface of the cover can migrate and accumulate in depressions. This is dangerous. Any accumulation of water on the surface of the cover must be removed immediately using the cover pump. **The cover is not a safety cover unless the pump is in place.**

- Every cover system comes with a pump that automatically senses water and removes it, provided the pump is operable, properly placed, and maintained according to the pump manufacturer's instructions.
- After the pump is placed upright on its base in the middle of the cover, plug it into a G.F.C.I. protected outlet. If the pump does not turn on immediately, it will reset itself automatically. This can take up to five minutes. Consult the pump's user manual for any operational or service problems.
- During the winter, the pump will freeze into the ice without damage. As the ice melts during the winter, the pump will automatically activate. Make sure to keep power to the pump and the discharge hose free of kinks.
- You must follow all pump manufacturer's instructions regarding its use and maintenance.



- After the pump has removed all water from one location on the cover, it may be necessary to move the pump to other locations to remove all accumulated water.
- The pump is covered under the pump manufacturer's warranty.
- For service, return it to the manufacturer's service center.
- Avoid using extension cords.
- If your pump or cord becomes damaged, replace the pump immediately!
- Plug the pump into a G.F.C.I. Protected outlet only. Place the pump on the cover first, then plug in the pump. DO NOT stand on a wet surface while using the pump.
- Avoid contacting accumulated surface water on your cover when the pump is on the cover. Electric shock is possible. Your pump should not be used for any application other than specified in these instructions.
- Your pump has been provided with a stabilizer plate so it remains upright. DO NOT allow the pump to tip over.



WARNING! Your pump is an electric appliance and caution should be used when handling your pump and electric cord around water.



ALUMINUM LID

The aluminum lid on below-deck systems is a long-lasting cosmetic cover for the housing. It is not intended for anyone to walk or step on. It can be slippery when wet and walking on it can loosen the support brackets under it. Instruct children not to step on the lid.



KEY SWITCH LOCATION

All controls for the cover system must be located where the pool is completely visible during cover operation. All plants and shrubs should be maintained for continuous visibility.



PARTIALLY COVERED POOLS

It is extremely important to always cover or uncover the pool completely. Never leave the pool partially covered. A partially covered pool presents a serious danger as people or pets may drown under the cover.



WARNING! A partially covered pool can pose a safety hazard. Never leave the cover over the pool in a partially covered position. Always completely cover or uncover the pool. Even children or pets who can swim may drown if they lose their orientation under the cover. Never allow anyone to swim under the cover.



WARNING! A cover with water on it poses the same safety hazard as an open pool.



WARNING! A child can create a depression on the cover great enough to collect a dangerous amount of water.

IMPORTANT NOTICE

This user guide is intended to instruct cover system owners in the proper operation and maintenance of their cover system. If a salesman or installer gives information that contradicts this user guide, you should disregard their instruction on that topic.

Operating Instructions

POOL COVER OPERATORS

Only instructed, responsible individuals should operate the cover. For this reason, all systems are key controlled. This is an expensive piece of equipment and, like your automobile, should be operated only by someone who can exercise judgment and care. Children should not be permitted to use this product unless they are closely supervised at all times.



WARNING! Do not operate the cover with water on it. Just one inch of water on a cover can weigh thousands of pounds!

COVERING THE POOL

- 1 Unlock the switch cover. Toggle the switch to the “cover” position. It takes a second for the gear to engage the rope take-up reels. Safety covers are required to have a momentary power switch that requires constant pressure to operate the motor. This keeps the operator in complete control of the mechanism.
- 2 Hold the switch in the “cover” position until the cover extends to the position required for your pool cover model.
 - A. For “Under Track” systems, where tracks are mounted under the pool coping, lightly bump the leading edge against the end of the pool. Do not continue to force the cover closed after it touches the coping.
 - B. For “Top Track” systems where the tracks are mounted on top of or in the deck, the cover should extend over the pool, but stop several inches short of reaching the end pulley housings at the end of the tracks. Make sure the leading edge of the pool cover clears the top surface of the deck to prevent damage to the bottom of the leading edge or its fabric cover.
- 3 Release the switch when you have reached the proper closed position discussed above. Close the switch lid, lock it, and remove the key.
- 4 Place the pump on the cover.

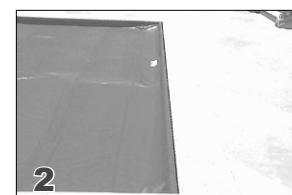
Note: If the cover hesitates or stops before it reaches the end of the pool, you should immediately release the switch and investigate the problem. Sometimes dirt, debris, or obstacles like towels or hoses can stop the cover. Remove the obstruction and continue covering the pool. If, after investigation, you cannot find a reason for the hesitation, you should reverse the direction of the cover a foot or two and then retry to cover the pool. If the same thing occurs, immediately release the switch and call your Coverstar distributor. Continuing to operate the cover can cause damage not covered by the manufacturer’s warranty.

COVERING THE POOL MANUALLY

If there is a loss of electrical power to the system and the cover must be closed for safety or other reasons, the cover can be closed manually. This is not easy to do, but it can be done by following these steps:

- 1 Remove the cover lid.
- 2 Pull the ropes to extend the cover out over the pool.

Note: For large pools, it may be necessary to loosen the cover mechanism’s torque limiter to close the pool.



Under Track System



Top Track System



Uncovering the Pool



WARNING: Do not operate the cover with water on it. Just one inch of water on a cover can weigh thousands of pounds!

- 1 Remove any objects from the cover including the pump.
- 2 Unlock the switch cover. Toggle the switch to the “uncover” position.
- 3 Hold the switch in the “uncover” position until the cover extends to the position required for your pool cover model.

A. For “Under Track” systems, where the cover is attached to the underside of the pool deck, retract the cover until the front edge of the cover is 6 inches from the cover housing lid.

B. For “Top Track” systems, where the tracks are mounted on top of or in the deck, the cover should be retracted to a point several inches in front of the emergency stops on the cover tracks. Make sure the leading edge of the pool cover clears the top surface of the deck to prevent damage to the bottom of the leading edge or it’s fabric cover. The stops are there to prevent pulling the cover out of the tracks in the event of over-retraction, but are not meant as a stop to run the cover up against. Driving the cover into the end pulley housings or retracting against the emergency stops on a regular basis may damage several components, including the cover, rope, webbing, and possibly mechanical components.

- 4 Release the switch when you have reached the proper position discussed above. Close the switch lid, lock it, and remove the key.

Note: If the cover hesitates or stops before it reaches the end of the pool, you should immediately release the switch and investigate the problem. Sometimes dirt, debris, or obstacles like towels or hoses can stop the cover. Remove the obstruction and continue covering the pool. If, after investigation, you cannot find a reason for the hesitation, you should reverse the direction of the cover a foot or two and then retry to uncover the pool. If the same thing occurs, immediately release the switch and call your Coverstar distributor. Continuing to operate the cover can cause damage not covered by the manufacturer’s warranty.

Note: For large pools, it may be necessary to loosen the cover mechanism’s torque limiter to close the pool cover.

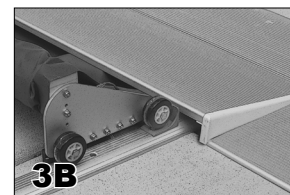
UNCOVERING THE POOL MANUALLY

If there is a loss of electrical power to the system and the cover must be opened for some reason, it can be done manually. This is not easy to do, but it can be done by following these steps:

- 1 Remove the cover lid at the non-motor end.
- 2 Insert a $\frac{3}{4}$ ” x $\frac{1}{2}$ ” adapter onto a $\frac{1}{2}$ ” ratchet.
- 3 Insert the $\frac{3}{4}$ ” adapter into the end of the cover drive shaft.
- 4 Ratchet the cover off the pool.



3A
Under Track System



3B
Top Track System



Maintenance & Care

WATER LEVEL Keep the water level in the pool at the mid-skimmer level. If the pool is overfilled, the water can flow over the lowered bond beam into the housing and flood the mechanism.

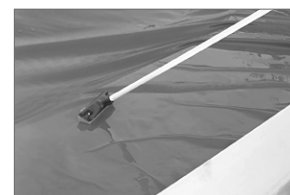
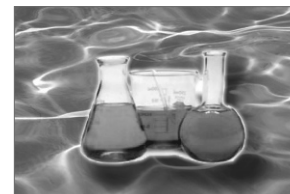
POOL CHEMISTRY We suggest, as all cover manufacturers do, that you only cover pool water that you would swim in. If the water is temporarily out of balance due to chemical additive, covering the pool will shorten the life of the fabric. Use a good test kit frequently to maintain proper chemical balance. You must avoid a build-up of chemicals in the pool water that can result in serious damage to pool walls and equipment. Such a build-up can also create an improper water balance which may cause deterioration of the vinyl cover. A deterioration so caused is not covered by the warranty. After adding any chemicals to your pool, allow the chemicals to circulate before closing the cover. If you are unsure if it is safe to close the cover, test the water at the surface with your test kit. Some pH adjusters may create harmful levels of alkalinity (high pH) if not allowed to mix with the water before the cover is closed. The same is true with chlorine shocks. Some chlorine shocks require as long as 12-24 hours to return to swimmable range. Since safety is often the major reason people purchase a cover, we recommend the use of a non-chlorine shock. With this type of shock the cover may be closed in 30 minutes or less. Please check with your pool service company for proper usage. The use of floating chlorine feeders is not recommended because they vent chlorine gas that can burn the cover fabric and often remain trapped in the same location.

CLEANING THE COVER When you uncover the pool, the water in the pool is transferred from the pool to the top surface of the cover. The sun then dries it, causing high concentrations of chlorine on top of the cover that may damage the fabric. You can wash the cover with a mild hand dish washing liquid every 3-6 months to remove this accumulation. However, do not use laundry detergent or any other chemicals to clean the cover.

COVER GUIDES Retract the cover completely off the pool and clean the cover track rope and slider channel. Use a high pressure nozzle on a garden hose to spray directly into the slots of the aluminum deck tracks to remove built-up dirt and debris. Repeat as often as necessary to keep the tracks clean. Spray into the pulley housing at the end of the tracks at close range to remove debris from within the housing. In windy and dusty areas with blowing dirt, covers may become inoperable until the debris has been hosed from the tracks. In these areas, tracks will have to be flushed clean more frequently. A build-up of sand and/or dirt will grind the webbings causing them to fail prematurely. The webbings used on our covers have been proven over many years and thousands of covers to last beyond the life of the fabric if the cover tracks are kept clean. Premature webbing failure due to abrasion from debris in the tracks is easily preventable and is not covered under the warranty.

HOUSING DRAINS On recessed systems, frequently check the drain(s) to be certain they drain the housing completely and do not allow water to stay in the housing area. If water is allowed to stand in the mechanism area over periods of time, the system may become damaged by the constant moisture. Damage to either electrical or mechanical components resulting from standing water or extended submersion is not covered under the warranty. Clean leaves and debris from the housing as necessary. Run the cover over the pool, prop the housing lid open or remove it, and remove the debris in the housing. Accumulated debris can hinder the proper operation of the cover or damage the cover material.

MECHANISM & PULLEYS Clean all rotating surfaces and pulleys by spraying with a hose nozzle every 3 months or more often in sandy or windy areas. Use a hose nozzle to completely wash all surfaces of the mechanism to prevent fine dust or sand from accumulating on the moving surfaces of the mechanism.



PREVENTING RODENT DAMAGE In certain areas, rodents may nest in the cover housing and chew on the cover and ropes. A common cause of rope breakage is rodent damage, which is not covered under the warranty. Moth balls in a perforated, tamper proof container placed on a block or brick to keep them dry may help keep rodents under control. Keep poisons out of reach of children.

ADJUSTMENTS AND MINOR REPAIRS Some repairs, such as adjusting the torque limiter or patching holes, are so easy you can do them yourself. Other repairs are much more complex. We would ordinarily recommend that an owner refers these repairs to their local, authorized serviceman or organization.

ADJUSTING THE TORQUE LIMITER If the pool cover will not retract or extend over the pool, it may become necessary to adjust the torque limiter. This device is designed to prevent damage to the motor or mechanism if there is too much stress on the system due to a worn-out pulley or other problems. If the torque limiter needs adjustment:

1. To increase motor torque, tighten the bolts with a 9/16 wrench 1/2" turn.
2. How far you tighten or loosen the adjustment bolts will depend on the size of your pool so you should make smaller adjustments in either direction until the cover operates normally.



WARNING! Never adjust the cover or try to perform any other maintenance while the cover is running. Disconnect the breaker first if you attempt to service any movable part of the cover system.

PATCHING THE COVER Patch even the smallest holes as soon as they occur with the repair kit provided. Small pin-sized holes can be patched by applying a drop of glue directly in the hole. Large cuts or tears can be patched using a piece of material cut from the repair kit. Cut a piece of material that forms a 1" overlap around the tear. Clean and dry the area around the cut or tear. Apply glue to one side of the patch. Apply glue to the area around the cut or tear that will be covered by the patch. Let the glue set up for one minute. Apply the patch to the cover.

WINTERIZING THE COVER Although during the winter your pool cover requires less attention, water and/or snow will build up on the cover. If the water level in the pool is not properly maintained, serious damage to the cover can occur. Properly maintaining a pool's water level prevents excess weight on the top surface of the cover that can cause serious damage to the cover system.

- During the winter, make at least monthly inspections of the pool's water level and make sure the cover pump is operating properly so that water on top of the cover does not build up. Even a few inches of water on top of the cover is an enormous weight and can pull the cover and tracks into the pool. In situations where the water level is too low, you should add water to the pool immediately to better support the water or ice that are on the cover. Your cover will survive any normal winter if these simple precautions are taken.
- Make sure your water is chemically balanced before covering the pool for extended periods of time. Double check the water after the chemicals have had a chance to mix completely. This may require checking the pool water a day or two after chemicals have been added. When covering the pool for long periods of time, turn down ozone generators and chemical feeders to their lowest level. Constant long-term buildup of ozone can damage the fabric. Place the cover pump on the cover to remove melted snow.



Installation Check & Troubleshooting

INSTALLATION CHECK

For your satisfaction, please check the following items with your installation representative to help you understand how to operate your cover.

1. Be sure that the installation representative who installed your pool cover has explained the proper operation of the following:
 - Placing the cover pump in position when the cover is closed
 - Operation by authorized persons only
 - Pool chemical application as it affects the cover
 - Proper maintenance & care
2. Did you read the drowning prevention information on the back cover of this user guide?
3. Did a representative offer you assistance on how to maintain a safer pool area?
4. Were you informed of the importance of removing all standing water from your cover for safety and operation?

TROUBLE SHOOTING

Symptom	Problem	Solution
Cover will not move forward or will not reverse	A. Circuit breaker or G.F.C.I. is tripped. B. Water on cover. C. Water accumulated between roll-up tube and pool. D. Cover adhering to deck. E. Torque limiter loose. F. Motor needs service.	A. Reset circuit breaker. B. Pump water from cover. C. Sweep water off cover. D. Lift cover and billow air under cover. Use replaceable welcome mat etc. under cover to break deck adhesion. E. Tighten both torque limiter brake bolts until the cover moves. F. Call your distributor/dealer for service.
Water leaking onto cover	A. Cover caught on something sharp. B. Abrasion pinhole.	A. Remove sharp object and use patch kit to repair. B. Use patch kit to repair.
Cover retracts out of square	A. Rope lengths unequal. B. Uneven drag on cover as it retracts off pool.	A. Re-pin the rope on rope reel so the rope is exactly the same on both sides. B. Some unevenness may be unavoidable due to pool configuration.
Cover not even at end of pool	A. Ropes are not the same length.	A. Re-pin the rope on the rope reel so the rope is relatively longer or shorter than the rope on the other side.
Cover seems to be running under stress	A. Excess friction during operation. B. Cover adhering to deck. C. Debris in housing. D. Cover too tight. E. Brake too tight.	A. Check pulleys to see if they are binding. If they are, clean them. Check and clean cover tracks if necessary. B. Billow cover by lifting fabric to break adhesion. C. Remove cover lid and clean out debris. D. Add water to pool or replace cover. E. Adjust brake.

Pool Safety Tips

Automatic safety pool covers are easy and convenient to use but they should not be the only source of protection for your family. Please read the recommendations provided by industry and safety groups listed below and implement as many of them as possible for your pool.

Multiple Safety Layers



Don't rely on only one system of protection, layering several safety precautions together provides the strongest safeguard. You should never rely on any one layer to be fail-proof. Enclose the pool with a barrier. In fact, fencing may be required in certain areas. Keep all doors and windows leading from the house to the pool area secure. Install self-closing mechanisms on doors. Install only child-proof, self-closing, self-latching gates around the pool.

Your Responsibility



As a pool owner, be aware that you must ensure your child's safety. Make sure you have rescue devices that are easily accessible. Never leave a pool with its cover partially closed since children may become trapped under it. Always drain standing water off of your spa or pool cover. A child can drown in as little as two inches of water.

Adult Supervision



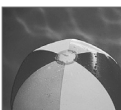
There is no substitute for constant adult supervision. Never leave a child alone, even for a second. Most drownings occur after a five minute (or less) lapse in supervision. There is a risk of a child drowning when around any body of water. Maintain constant eye contact with your children when they are around the pool. Do not consider young children water-safe because they have had swimming lessons. Post and enforce rules such as No Running, No Pushing, No Dunking, and Never Swim Alone.

Extend Safety Awareness



Instruct baby-sitters about potential hazards to young children in and around swimming pools and the need for constant supervision. Alert your pool maintenance people, utility personnel, and your neighbors to keep covers, gates, and doors to pool closed and locked at all times.

Pool Toys



Remember to keep toys and inflatables away from the pool when the pool is not in use. These items can lure a child into the pool.

Inspect Equipment



Inspect safety and pool equipment regularly. Preventive devices are only effective if they are in working order. Gate latches, gate closure devices, fences, door and pool alarms, and the pool cover should be inspected frequently to be certain they are working properly.

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

Electrical Instructions

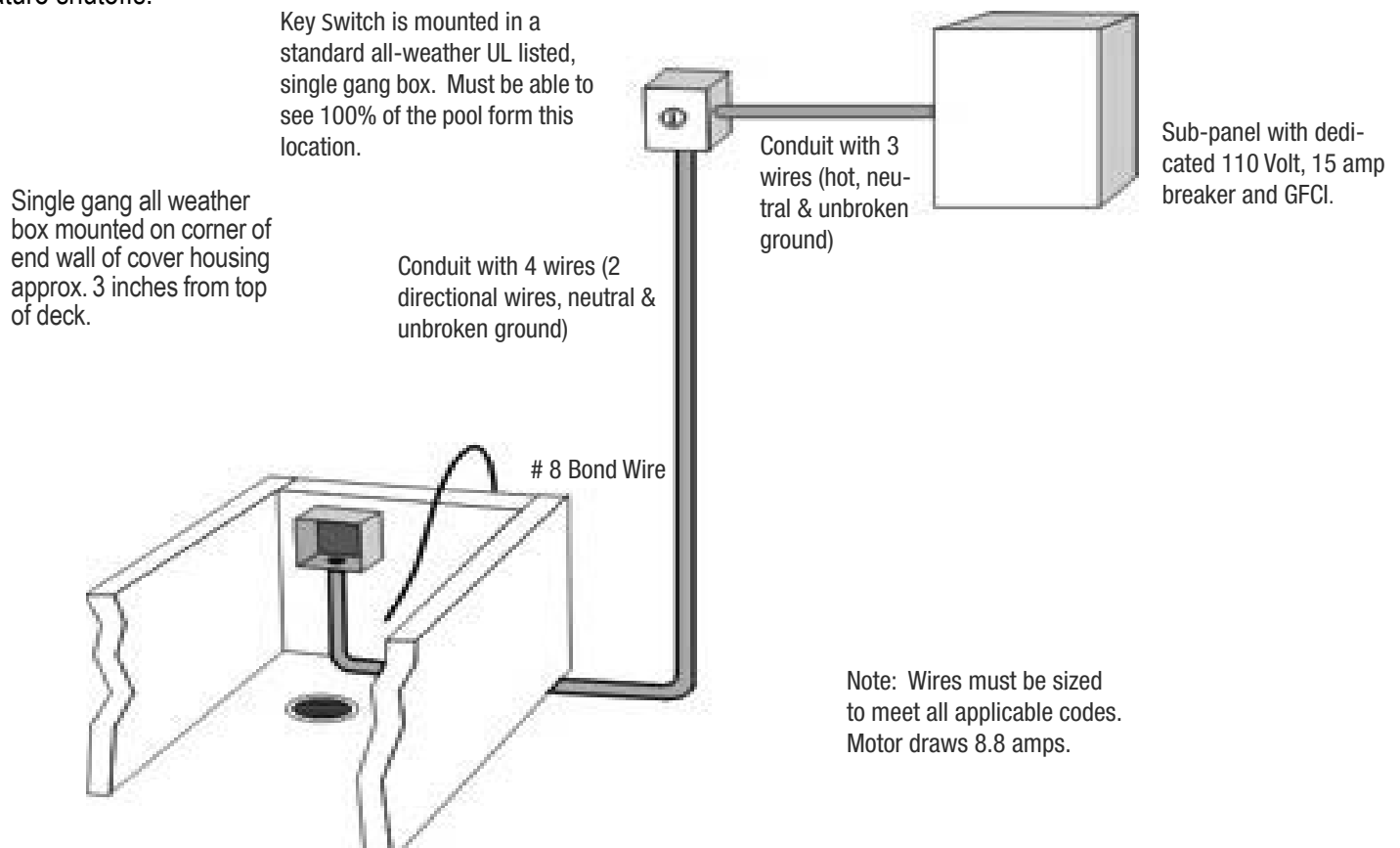
BONDING - All Coverstar pool cover systems require bonding. The electrician should provide a #8 AWG solid copper ground from the pool equipment pad to a ground clamp on the electrical conduit inside the housing, with a 2-foot tail that will be attached to the mechanism ground bar. Be sure to follow local codes in all instances. Note: Place bonding wires at each end of the housing.

GROUND FAULT CIRCUIT INTERRUPTER - A GFCI must be used in the electrical supply line for the motor. This should be on a separate dedicated circuit only for the pool cover.

RUNNING WIRES - Bring 110V to the key switch. From the panel to the key switch, run 3 wires (hot, neutral and an unbroken ground). From the key switch to the motor end of the housing run 4 wires (two directional's, a neutral and an unbroken ground). Terminate the wires in a weather tight "J" box. The motor is 110V, 3/4 HP with full load amperage of 8.8 amps. Follow all applicable codes regarding wire size, grounding, connections, etc.

KEY SWITCHES - Mount a standard, single gang, all weather junction box for the key switch at a point where 100% of the pool is visible. This is a mandatory requirement to meet ASTM safety standards. The key switch should not be placed in the mechanism box. This does not meet UL standards or code.

OPTIONS - Coverstar has several different wiring options that includes limit switches, wireless remote control and water feature shutoffs.



OPTIONS - Coverstar has several different wiring options that includes limit switches, wireless remote control, water feature shutoffs etc. Contact your Coverstar distributor for details.

Note: Builder is responsible to bring proper electric lines, conduit and bonding to the mechanism.

Warranty

LIMITED ATOM™ MECHANISM WARRANTY AND TERMS OF USE

When installed as directed, the Coverstar ATOM™ POOL COVER MECHANISM purchased by the retail buyer is warranted for a limited time period as noted below and is subject to the following limitations and exceptions:

1. Scope of Coverage: This warranty applies to a new Coverstar pool cover mechanism purchased by a retail buyer for installation on or with a residential pool.

2. Sole and Exclusive Limited twenty Year Warranty on the Mechanism: The sole and exclusive remedy, with respect to any failure of the pool cover mechanism covered by this warranty is as follows: Latham Pool Products Inc. warrants the Coverstar pool cover mechanism to perform the function of covering and uncovering a pool for twenty years from the date of shipment from Coverstar. The mechanism includes all mechanical parts on the reel mechanism except rope pulleys, guide feeds and sliders that are considered consumed through use. Extrusions of the cover system, electrical components including key switches, water feature controls etc, hydraulic motors and power pack are warranted for three years. Coverstar electric motors are warranted for five years against factory defects and water damage. A recessed system must have adequate drainage and drainage from the housing must be maintained by the pool owner. Failure to maintain drainage will void the mechanism warranty. Latham Pool Products Inc. will repair or replace failures in components free of charge for parts and labor at its factory. LATHAM POOL PRODUCTS INC. SOLE RESPONSIBILITY IS AS STATED HEREIN. UNDER NO CIRCUMSTANCES SHALL LATHAM POOL PRODUCTS INC. BE LIABLE TO RETAIL BUYER OR ANY OTHER PERSON FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING TO RETAIL BUYER'S PURCHASE OR USE OF THE POOL COVER MECHANISM.

3. Notice of Warranty Performance Claim: Notice of any warranty claim on the pool cover mechanism covered by this warranty must be sent to a Coverstar authorized service center immediately upon any occurrence of any condition which affects the safety performance of the cover system. In such event, the pool owner is solely responsible to take appropriate steps to secure the safety of the pool. All claims for repair or replacement evaluation must be submitted to Coverstar within the thirteen (13) months after the pool mechanism failure. The written notice of warranty claim must contain a reasonable description of the mechanism failure, the identity and address of the retail buyer, and the date of purchase. Failure to provide written notice of the warranty claim will void this warranty to the full extent allowed by law. Coverstar warranty service is performed at the Lindon, Utah service facility. Any pool-side labor warranties issued by the installing dealer are independent from this limited Coverstar warranty. If a mechanism is repaired on site by the installing dealer or owner, a component covered by this warranty will be supplied at no charge except for shipping during the term of the warranty.

4. What is not covered: This limited warranty does not cover conditions caused by abuse, neglect, abnormal wear and tear, electrolysis, or improper operation or installation, including your failure to comply with printed instructions or the operational video furnished with the cover system. Unreasonable use or failure to provide reasonable and necessary maintenance of the pool chemistry, fabric, rope, operating mechanism, and extrusions of the cover systems or defects arising from an improper installation are not covered. Hydraulic units will not be covered if there is fluid in the contactors or damage caused by over filling the fluid tank. Contamination found in the hoses, tank, or valves will void the warranty. Hydraulic hoses are not covered by the warranty. Shipping expense to and from the Coverstar authorized service center is the responsibility of the cover owner. The cover pump is not covered by Latham Pool Products Inc., but is warranted by the pump manufacturer according to its own warranty. All pump repairs are performed at an authorized service center listed in the pump instruction set. Coverstar is not an authorized pump repair or service center. This limited mechanism warranty is non-transferable.

LIMITED ATOM™ MECHANISM WARRANTY AND TERMS OF USE CONTINUED:

This limited warranty will be void unless the purchase price of the cover or system is paid for in full, prior to delivery to Coverstar, of the warranty notice. Latham Pool Products Inc. shall not be responsible for any representations, whether express or implied, made by its employees, agents, representatives, distributors, contractors or other similar persons that conflict with the terms of this limited warranty unless such representations are contained in writing signed by the president of Coverstar. In no event shall Latham Pool Products Inc.'s waiver of any of the terms and conditions hereunder be deemed a continuing waiver or constitute a waiver, whether express or implied, of any of the remaining terms and conditions hereof. The above warranties do not apply to: (i) conditions resulting from a defect in a component part that is not a part of the Coverstar pool cover system; (ii) normal fading and deterioration of surfaces resulting from exposure to the elements except conditions that affect ASTM F1346-91 safety performance; (iii) damage resulting from acts of God or events beyond the control of Latham Pool Products Inc. including, but not limited to, earthquake, flood, high wind, tornadoes, fire, hail, lightning, power surges etc., or (iv) systems in which any non-Coverstar parts have been used as part of the system or repair work done by non-authorized service personnel.

5. **DISCLAIMER of Other Rights and Remedies:** EXCEPT AS DESCRIBED IN THE ABOVE WARRANTY, LATHAM POOL PRODUCTS INC. EXPRESSLY DISCLAIMS, TO THE FULL EXTENT POSSIBLE, WITH RESPECT TO THE POOL MECHANISM, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. It is understood that these are the ONLY warranties (express or implied) given by Latham Pool Products Inc. This warranty gives you specific legal rights. Certain state laws do not allow limitations on implied warranties or the exclusion or limitation of certain damages. Latham Pool Products Inc. reserves the right to contest the application of any such laws to the retail buyer; however, if these laws apply to the retail buyer, some or all of the above disclaimers, exclusions, or limitations may not apply to the retail buyer, and such buyer may have additional rights, which may vary from state to state, including implied warranties.

6. **Limitation on Claim:** Any action for breach by Latham Pool Products Inc. of this warranty and any related contract for sale of pool mechanism must be commenced by the retail buyer or any third party beneficiary within twenty four (24) months after the cause of action has accrued.

7. **Governing Law:** This Limited Warranty shall be governed by the laws of the state of Utah without reference to conflicts of laws. All actions, claims or disputes arising under or relating to his Limited Warranty shall be brought and venued in the Fourth District Court, in the state of Utah. The parties irrevocably submit and consent to the exercise of subject matter jurisdiction and personal jurisdiction over each of the parties by such state district court. The parties hereby irrevocably waive any and all objections which any party may now or hereafter have to the exercise of personal and subject matter jurisdiction over such party by the above named state court, and to the laying of venue of any such suit, action or proceeding in such state court in the state of Utah.

8. **Enforcement:** If any action in law or in equity is necessary to enforce the terms of this Limited Warranty and Terms of Use, the prevailing party will be entitled to reasonable fees of attorneys, accountants, and other professionals, and costs and expenses in addition to any other relief to which such prevailing party may be entitled. If any provision of this Limited Warranty and Terms of Use is determined to be invalid under, it is to that extent to be deemed omitted, and the balance of the Limited Warranty and Terms of Use shall remain enforceable.

9. **Integration:** This Limited Warranty and Terms of Use constitute the complete and exclusive statement of the agreement between Latham Pool Products Inc. and the retail buyer, or any person entitled to assert such buyer's rights hereunder, with respect to the services and supersedes any prior or contemporaneous communications, representations, statements and understandings, whether oral or written, between the parties concerning the subject of this Limited Warranty and Terms of Use.

LIMITED UltraGard III™ WARRANTY AND TERMS OF USE

When installed as directed, the UltraGard III™ fabric with heat sealed webbing, purchased by the retail buyer is warranted for a limited time period as noted below and is subject to the following limitations and exceptions:

1. **Scope of coverage:** This warranty applies to a new Coverstar UltraGard III™ fabric which may include Powerflex™ rope, purchased by a retail buyer for installation on a residential pool. If heat sealed webbing is purchased as an option by a retail buyer for installation on a residential pool, it is also included within the scope of this warranty and is subject to the same limitations and exceptions as noted below. Powerflex™ rope, when purchased with a full Coverstar automatic cover system or a replacement cover for a Coverstar system is warranted for 2 years.
2. **Sole and Exclusive Limited Seven Year UltraGard III™ Warranty:** The sole and exclusive remedy, with respect to any failure of the UltraGard III™ fabric covered by this warranty is as follows: For thirty-six months from the date of manufacture, Latham Pool Products Inc. will repair or replace an UltraGard III™ fabric or heat sealed webbing that fails to meet ASTM F1346-91 safety standards without charge for materials or factory labor. During the thirty-seventh through the eighty-fourth months of the limited warranty period, the cost of factory repair or replacement will be prorated 1/84 per month for each month of the warranty period from the date of shipment from Coverstar. Labor to remove or replace a cover is not covered under this warranty. Shipping expenses to and from the service center are the responsibility of the cover owner. Coverstar's SOLE RESPONSIBILITY IS AS STATED HEREIN. UNDER NO CIRCUMSTANCES SHALL LATHAM POOL PRODUCTS INC. BE LIABLE TO RETAIL BUYER OR ANY OTHER PERSON FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING TO RETAIL BUYER'S PURCHASE OR USE OF THE UltraGard III™ FABRIC.
3. **Notice of Warranty Performance Claim:** Notice of any warranty claim on UltraGard III™ fabrics covered by this warranty must be sent to a Coverstar authorized service center immediately upon any occurrence of any condition which affects the safety performance of the cover system. In such event, the pool owner is solely responsible to take appropriate steps to secure the safety of the pool. All claims for repair or replacement evaluation must be submitted within three (3) months of the fabric failure which is the subject of the claim. The written notice of warranty claim must contain a reasonable description of the fabric failure, the identity and address of the retail buyer, and the date of purchase. Failure to provide written notice of the warranty claim will void this warranty to the full extent allowed by law.
4. **What is not covered:** This warranty does not cover deterioration caused by improper chemical balance in the pool water, damage by animals, abuse, abrasion, neglect, puncture, exposure to damaging chemicals, or abnormal wear and tear. Cosmetic or physical changes to the pool cover including, but not limited to, fading, discoloration, deterioration, pin holes, plastic loss, or stiffening resulting from exposure to the pool environment is not covered unless it has caused the cover to fail to meet ASTM F1346-91 safety standards. Powerflex™ rope is covered for breakage for a period of two years. Otherwise, broken ropes are only covered if it is determined that they had a manufacturing defect. Claims for repair to the pool, equipment, decks, water, or any surrounding material through installation or use of the cover system are excluded. Damage to a cover that is the result of an act of God or events or conditions not within the control of Latham Pool Products Inc. including, but not limited to: damage caused by earthquake, flood, tornado, hail, high wind, falling objects, etc., improper installation, improper operation, or failure to provide care and maintenance in accordance with Coverstar's owner's manual or video instructions is not covered. This limited warranty will be void unless the purchase price of the cover or system is paid for in full, prior to delivery to Coverstar of the warranty notice. Latham Pool Products Inc. shall not be responsible for any representations, whether express or implied, made by its employees, agents, representatives, distributors, contractors or other similar persons that conflict with the terms of this limited warranty unless such representations are contained in writing signed by the president of Coverstar. In no event shall Coverstar's waiver of any of the terms and conditions hereunder be deemed a continuing waiver or constitute a waiver, whether express or implied, of any of the remaining terms and conditions hereof.

LIMITED UltraGard III™ WARRANTY AND TERMS OF USE CONTINUED

5. **DISCLAIMER of Other Rights and Remedies:** EXCEPT AS DESCRIBED IN THE ABOVE WARRANTY, Latham Pool Products Inc. EXPRESSLY DISCLAIMS, TO THE FULL EXTENT POSSIBLE, WITH RESPECT TO THE Ultra-Gard III™ FABRIC, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. It is understood that these are the ONLY warranties (express or implied) given by Coverstar. This warranty gives you specific legal rights. Certain state laws do not allow limitations on implied warranties or the exclusion or limitation of certain damages. Latham Pool Products Inc. reserves the right to contest the application of any such laws to the retail buyer; however, if these laws apply to the retail buyer, some or all of the above disclaimers, exclusions, or limitations may not apply to the retail buyer, and such buyer may have additional rights, which may vary from state to state, including implied warranties.

6. **Limitation on Claim:** Any action for breach by Latham Pool Products Inc. of this warranty and any related contract for sale of UltraGard III™ must be commenced by the retail buyer or any third party beneficiary within twenty four (24) months after the cause of action has accrued.

7. **Governing Law:** This Limited Warranty shall be governed by the laws of the state of Utah without reference to conflicts of laws. All actions, claims or disputes arising under or relating to this Limited Warranty shall be brought and venued in the Fourth District Court, in the state of Utah. The parties irrevocably submit and consent to the exercise of subject matter jurisdiction and personal jurisdiction over each of the parties by such state district court. The parties hereby irrevocably waive any and all objections which any party may now or hereafter have to the exercise of personal and subject matter jurisdiction over such party by the above named state court, and to the laying of venue of any such suit, action or proceeding in such state court in the state of Utah.

8. **Enforcement:** If any action in law or in equity is necessary to enforce the terms of this Limited Warranty and Terms of Use, the prevailing party will be entitled to reasonable fees of attorneys, accountants, and other professionals, and costs and expenses in addition to any other relief to which such prevailing party may be entitled. If any provision of this Limited Warranty and Terms of Use is determined to be invalid under, it is to that extent to be deemed omitted, and the balance of the Limited Warranty and Terms of Use shall remain enforceable.

9. **Integration:** This Limited Warranty and Terms of Use constitutes the complete and exclusive statement of the agreement between Latham Pool Products Inc. and the retail buyer, or any person entitled to assert such buyer's rights hereunder, with respect to the services and supersedes any and all prior or contemporaneous communications, representations, statements and understandings, whether oral or written, between the parties concerning the subject of this Limited Warranty and Terms of Use.

Slack in Automatic Pool Covers

From time to time the question arises about the need for slack in automatic pool covers and how much is enough. Regardless of manufacturer, all automatic pool cover fabrics are made wider than the width of the track. There are several reasons for this:

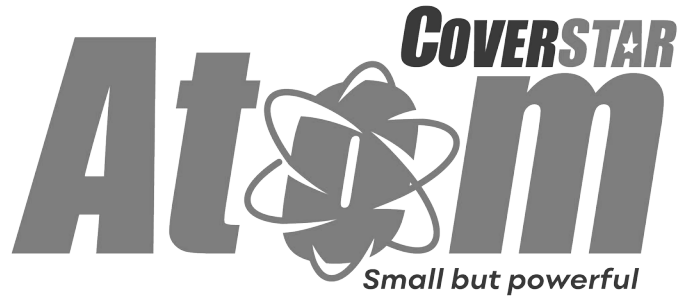
1. A cover that is too tight will pull against the tracks and will not operate properly. A cover that is made too small reduces the life of the cover and mechanism, causing premature failure of both the fabric and the mechanism due to the added stress.
2. All fabric shrinks over a period of time. The amount of the shrinkage varies widely according to the weather conditions, particularly the amount of time the cover is exposed to the sun. Slack is always added to the fabric to compensate for potential fabric shrinkage.
3. In order to meet the ASTM safety standards, the cover must lie on the water, most of the supporting strength of the cover comes from the support of the water directly under it.

Each cover we manufacture is made with the slack calculated on the basis of the type of fabric, application, and unit. Any other variables that may be brought to our attention are also included. Initially, a properly sized cover will drop almost directly down from the track or deck to the water, with some folds & wrinkles as it crosses the pool. Because each cover is subject to many variables, it is impossible to calculate the exact amount of shrinkage each individual cover will have, so an approximation is made based on our past experience. Our slack formula is designed to give the cover and mechanism maximum life, as well as making the cover look as attractive as possible.

Before an order for any cover which has less than the factory specified slack is processed, we must receive a signed statement from the customer which releases Coverstar from any warranty or safety liability issues which may arise because of premature failure of the fabric or system due to fabric shrinkage.

In some cases, a portion of the slack may be taken up by lowering the water level. However, you should consult with your pool builder or serviceman before doing so. They can advise you exactly where the water level should be to keep the pool equipment operating properly.

The leading edge loop size has been designed to give maximum flexibility in properly installing and servicing the cover.



Automatic Safety Pool Cover