

# WARRANTY INFORMATION

Welcome to the rapidly growing group of pool owners who enjoy the ease and convenience of Eclipse 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:

Go to [www.coverstar.com](http://www.coverstar.com) and click on the Product Registration button on the home page. Fill out the online registration form and submit it.

**OR** Fill out the postage paid registration card and mail it.

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

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

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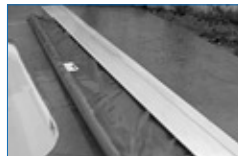
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## Pool Safety Tips

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Information in this user guide is believed to be accurate at time of printing. Coverstar, Inc. reserves the right to make product and instructional changes over time without notice. Visit [www.coverstar.com](http://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.

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.



**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.

## 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, overspraying 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.

# 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 “Underguide” systems, where guides 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 “Topguide” systems where the guides 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 guides. 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 SwimWise 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.



## 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

- 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 “Underguide” 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 “Topguide” systems, where the guides 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 guides. 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 guides 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.



2

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

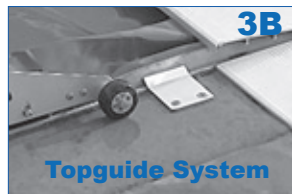
**Note:** If the cover hesitates or stops before it reaches the end of the pool, you should immediately release the switch and investigate the problem. Sometimes dirt, debris, or obstacles like towels or hoses can stop the cover. Remove the obstruction and continue covering the pool. If, after investigation, 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 SwimWise 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.



3A

Underguide System



3B

Topguide System

## MANUALLY UNCOVERING THE POOL

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 3/4” x 1/2” adapter onto a 1/2” ratchet.
- 3 Insert the 3/4” adapter into the end of the cover drive shaft.
- 4 Ratchet the cover off the pool.

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



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# 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.

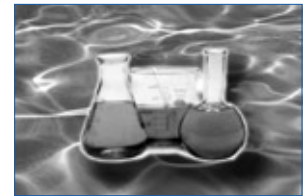
**POOL CHEMISTRY** We suggest, as all cover manufacturers do, that you only cover pool water that you would swim in. If the water is temporarily out of balance due to chemical additive, covering the pool will shorten the life of the fabric. Use a good test kit frequently to maintain proper chemical balance. 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 as well as other cover system components. 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 as necessary 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 guide rope and slider channel. Use a high pressure nozzle on a garden hose to spray directly into the slots of the aluminum deck guides to remove built-up dirt and debris. Repeat as often as necessary to keep the guides clean. Spray into the pulley housing at the end of the guides 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 guides. In these areas, guides 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 guides are kept clean. Premature webbing failure due to abrasion from debris in the guides 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 his local, authorized serviceman or organization. Only attempt the adjustments shown in this user guide or at [www.coverstar.com](http://www.coverstar.com).

**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 adjustment bolts with a 9/16 wrench. A wrench is attached to the mechanism for your convenience.
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 stress on the cover that can cause serious damage to the cover system.

- During the winter, monitor 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 guides 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 build up of ozone can damage the fabric. Place the cover pump on the cover to remove melted snow.





# INSTALLATION CHECK & TROUBLE SHOOTING

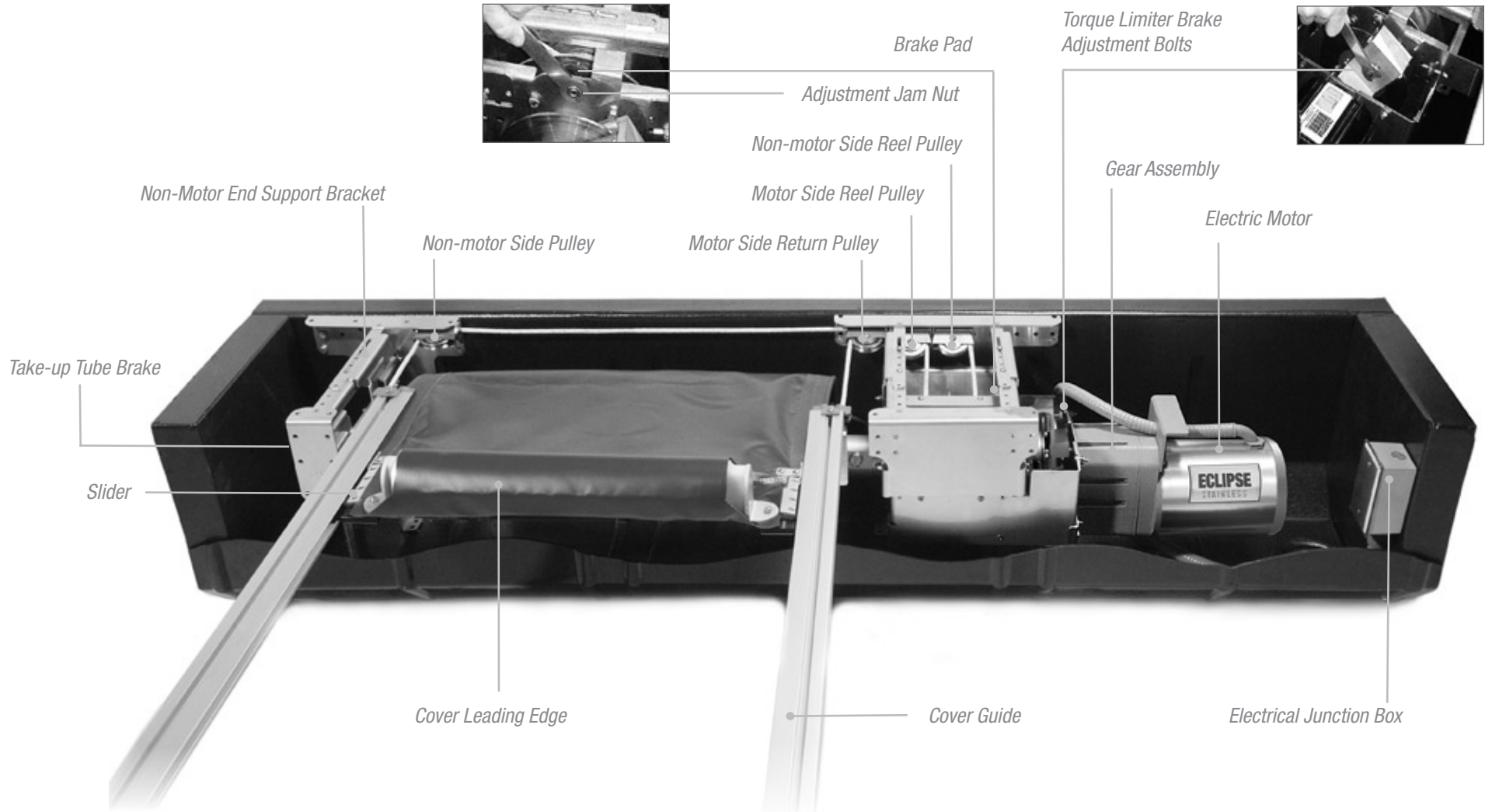
For your satisfaction, please check the following items with your installation representative to help you understand how to operate your cover.

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. (See System Diagram, page 11) F. Call your distributor/dealer for service.
Water leaking onto cover	A. Cover caught on something sharp. B. Tear caused by foreign object or 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. Reel brake too tight. F. Tube brake too tight	A. Check pulleys to see if they are binding. If they are, clean them. Check and clean cover guides 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. Loosen reel brake jam nut, reset and tighten jam nut. F. Adjust brake by loosening brake nuts/bolts

# SYSTEM DIAGRAM



# POOL SAFETY TIPS

Eclipse 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 during 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.



# ECLIPSE USE & CARE GUIDE



**COVERSTAR**<sup>TM</sup>