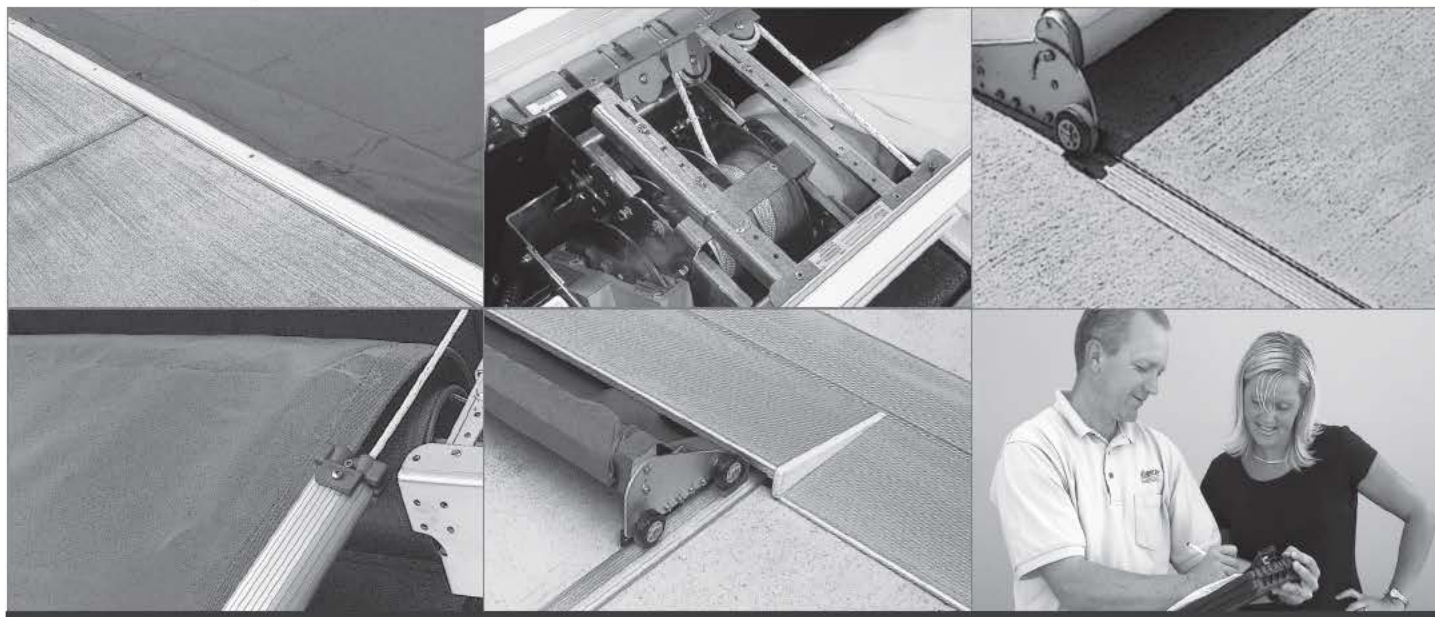




THE ECLIPSE™ SAFETY POOL COVER  
**TOPGUIDE SYSTEM**

**INSTALLATION GUIDE**



## SECTIONS

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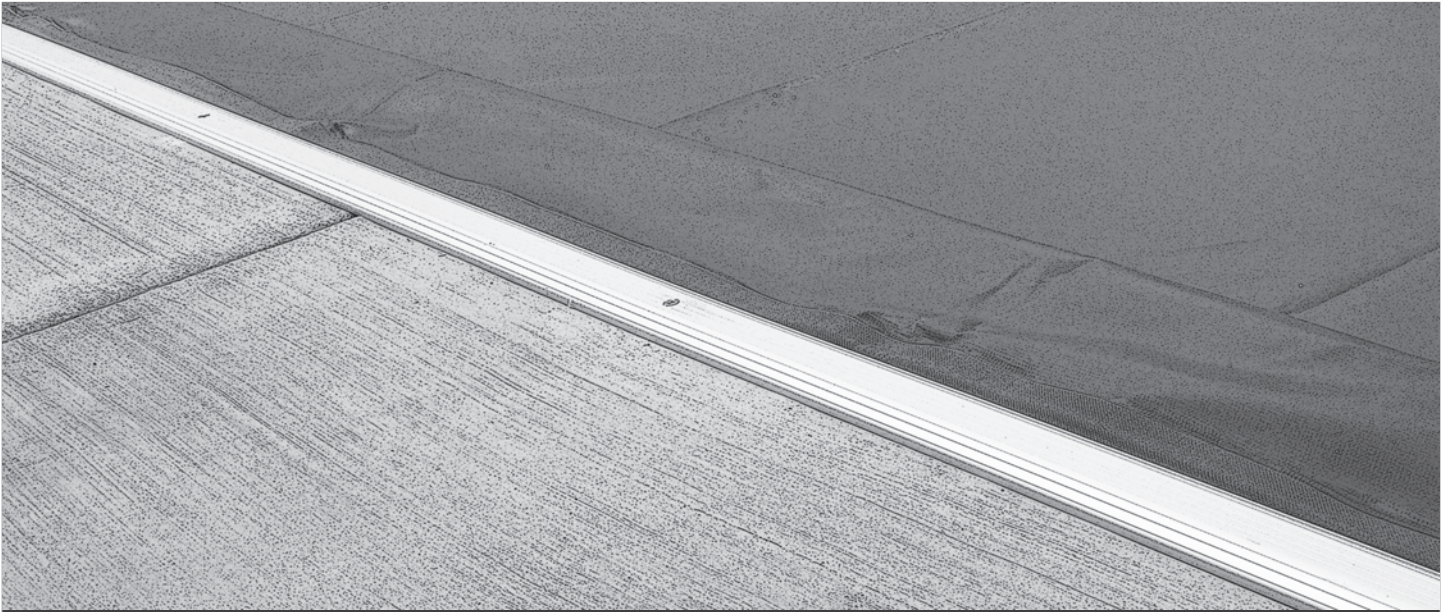
### Tools Required

- |   |   |
|---|---|
| 1. Hammer drill or rotary hammer                  | 18. Crescent wrench                             |
| 2. Masonry drill bit 1/4" x 6" (1/4" x 12" bit)   | 19. 100 ft. tape & 25 ft. measure               |
| 3. Extension cords                                | 20. Chalk line ( use white chalk)               |
| 4. #2 and #3 Phillips & standard screw drivers    | 21. Nut drivers - 5/16", 3/8", 7/16", 1/2"      |
| 5. Ratchet with 5/16" - 3/4" sockets              | 22. Chisel (wood & concrete)                    |
| 6. Hacksaw  | 23. Scissors                                    |
| 7. String line                                    | 24. Wire strippers                              |
| 8. Utility knife                                  | 25. Set of box/open end wrenches - 5/16" - 3/4" |
| 9. Broom  | 26. 6" level                                    |
| 10. Hammer & rubber mallet                        | 27. Set of allen wrenches                       |
| 11. Pliers - standard, needle nose & channel lock | 28. Wire  |
| 12. Files - round, triangular & flat              | 29. Electrical tape                             |
| 13. Matches or cigarette lighter                  | 30. Small sledge hammer                         |
| 14. Carpenter's square                            | 31. Vice grips                                  |
| 15. 5/16 hex head driver bit with 12" extension   | 32. #2 #3 Phillips drill bits                   |
| 16. Drill (cordless or corded)                    | 33. Pencil or marker                            |
| 17. Set of drill bits (1/4" down to 1/16")        | 34. 6 - 8 clamps                                |

### Optional Power tools

Skill saw with carbide tipped blade  
Sawzall, Grinder, Angle drill





# STANDARD TOPGUIDE

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## Step By Step Instructions



To determine the correct guide space for the cover system, measure the length of the roll up tube. The guide space should be three inches longer than the roll up tube length. (For example, the roll up tube shown above measures 19 ft 9 inches. The correct guide space is 20 ft.)



### Laying Out The Cover Guides

Lay the cover guides on the deck on both sides of the pool. When positioning the guides, there needs to be at least 7" of clearance from the top of the finished deck to the bottom side of slides and hand rails for the wheel assemblies and leading edge to pass under without damaging the cover system.



Extend the guides 18" past waterline. Center the pool shape between the pool guides where possible. Measure and mark the guide length on the deck. Use a chalk line to mark the track location.



### Splicing The Guides Together

Before splicing the sections of guide together, file all guide ends thoroughly, rounding all edges and removing all burrs. This step is extremely important. The cover can be damaged very easily by metal burrs and this damage is not covered by the warranty.



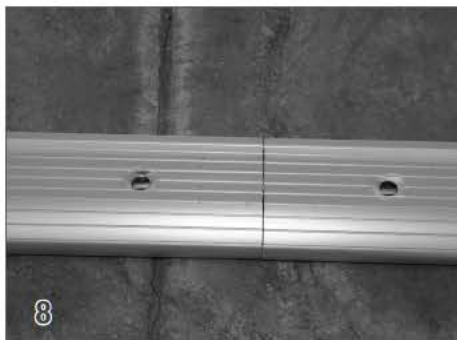
Tap the spring pin (31) into the round splice channel. Slide the center splice (30) into the center channel.



Join the guide sections together by hand.



At one end, use a rubber mallet to tap the guide sections together.



The two sections of guide should be tight together.



### Cutting The Guides To Length

With guides extended at least 18" past the waterline at the opposite end of the pool, cut the guides so they extend 18" past the waterline at the mechanism end.



## Step By Step Instructions



Cut the guide at the mechanism end to the proper length using a miter saw. It is important to have square cuts on the guide. Note: Always wear safety goggles when using powered equipment.

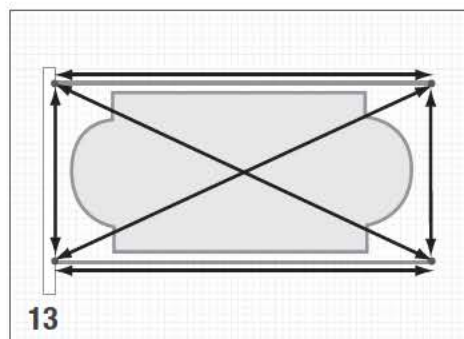


File the guide ends on both sides of the pool making sure to round all edges and remove all burrs. **This step is extremely important. The cover can be damaged very easily by metal burrs and this damage is not covered by the warranty.**



### Checking For Square

Measure the guide space, guide length and diagonals to make sure the tracks form a perfect square.



Lengths, widths and diagonal dimensions **must** be equal to each other or the system will not operate properly.



### Attaching The Guides To The Deck

Place the guides into position on the deck in the marked positions. Make sure that the guides run completely straight on both sides of the pool. Drill through the pre-drilled guide holes into the deck. Drill at least 3" deep.

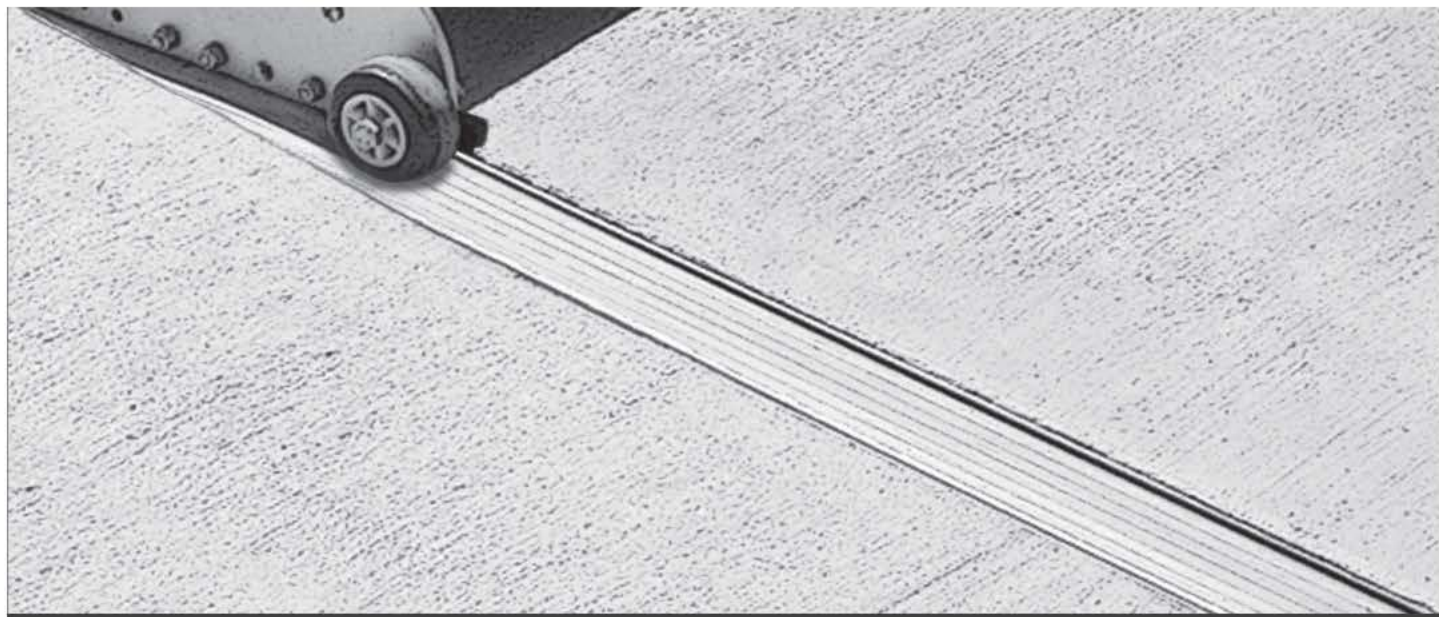


Move the tracks to the side to expose the holes in the deck. Tap the plastic anchors (25) into each hole.



Place the track back over the holes in the deck. Fasten the guide screws (15) halfway through the guides into the plastic anchors. The screws will be fastened completely later in the installation.

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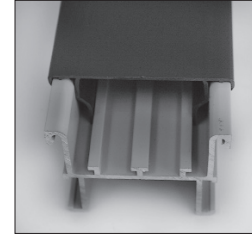
## RECESSED HORIZONTAL GUIDE

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## Flush Deck Guide Installation

### System components

1. Guide consists of 3 parts, the guide housing, the guide, and the interlocking shim.
2. End pulley assembly is made from a small length of the guide and therefore appears to be a continuation of the guide on to the end of the housing. This can either be installed when the housing is installed or at the time the mechanism is installed.
3. Guide protector: This can either be 2" 10 mil plumbing tape or an optional guide protector (preferred method) that can be ordered from your Coverstar distributor (part no. X0668).



(1) Guide protected by plastic cover. Note: Spacer removed to install guide protector



(3) Guide protected by 2" 10 mil plumbers tape

### Installation Guidelines

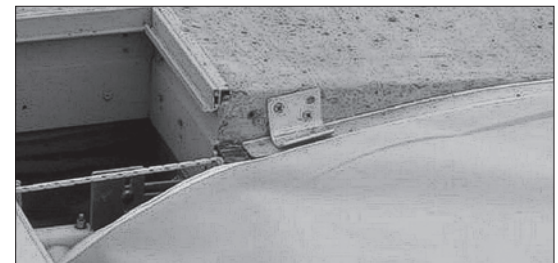
1. The installed guides must start flush with the inside of the cover housing, which must be a minimum of 12 inches from the end of the pool and extend 18 inches beyond the other end of the pool. The guides must form a perfect rectangle. The guide lengths, the distance between the guides and the diagonals each must be equal.
2. The guides must be installed exactly at finished deck grade. It is strongly recommended that the deck be kept level from the pool to the guide housings. Start the slope outside of the guides. Note: the deck around the cover housing boxes should be flat for a minimum of 4" before starting any slope if a standard lid is to be used.
3. The housing must have the guide, a spacer (standard spacer or optional plastic protector) and top protection in place before pouring deck.
4. There are three main ways that the guides can be installed. In each case guide supports must be no further than 5' apart.
  - a. Mounted on top 2x4 stakes, which are left in the deck permanently. Attach housing to the stakes with self taping screws or by drilling holes in the housing and using drywall or deck screws.
  - b. Set into piles of concrete or gunite approximately every 4 feet. If this method is used, care must be taken to make sure that no cement is left higher than the bottom of the side of the channel. Otherwise it will have to be chipped down before the deck is poured.
  - c. Staked in place using removable stakes or rebar. Rebar can either be short & left in place or long and pulled
5. Regardless of how the guides are installed, it is recommended that a string line be left in place until after the pour.
6. The standard installation is with straight guide, however, optional curved pieces of guide are available if flush deck lid is to be used. In this case, the deck is lowered 2" between the guides and the box is installed 2" lower.
7. It is recommended that a minimum width of 5 to 6 inches of concrete be poured on each side of the housing. Rebar or concrete wire under the housing will help eliminate the concrete cracking and separating from the housing.
8. It is recommended that you put a strike joint off the end of your guide to control the shrinkage crack.
9. To avoid concrete flaking when the protector is removed, go down each side with a 1/8-radius edger. For proper cover operation, concrete must be as close to the top of the housing as is possible
10. Some builders find that it is easier to keep the guides clean if they install Deck-O-Drain channel between the end of the housing and the end of the deck. However, this is optional.



(4.a.) Guide staked in place, ready for pour

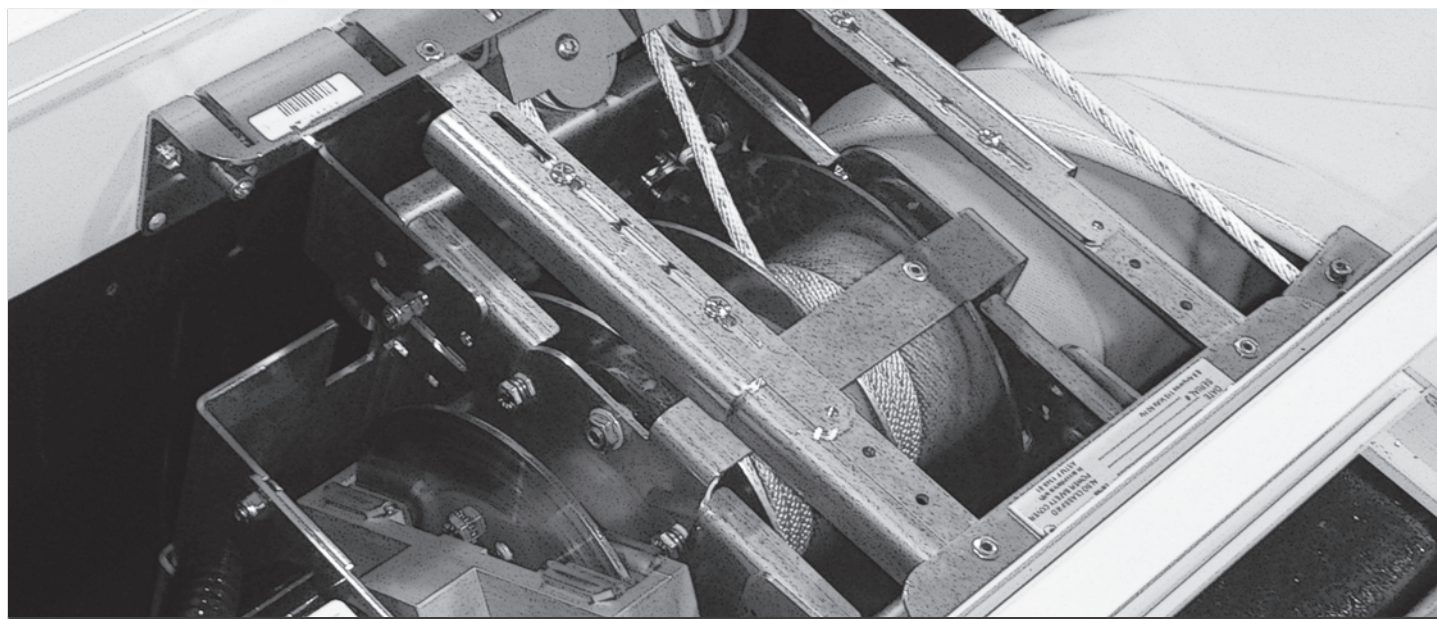


(4.b.) Housing in place mounted on gunite piles ready for deck pour.



(6) OPTION: Recessed horizontal guide sloped into the box. Purchase set of curved guides for housing end of guide. Bend begins 15" in front of housing. Make sure top of guide is minimum of 1" lower than bottom of lid.





## MECHANISM

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## Step By Step Instructions



### Housing Preparation

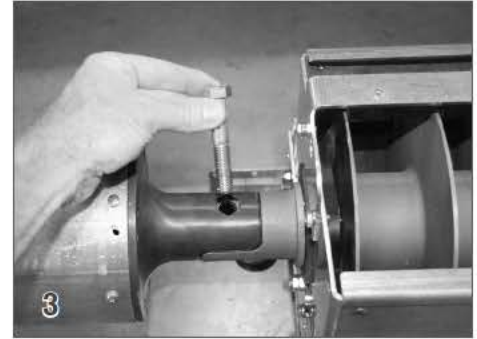
Use a garden hose to clean out the housing. During this process, make sure the water is draining from the housing.

**It is critical that all cover housings have adequate drainage. If there is no drain or inadequate drainage in the cover housing, contact your Coverstar Representative.**

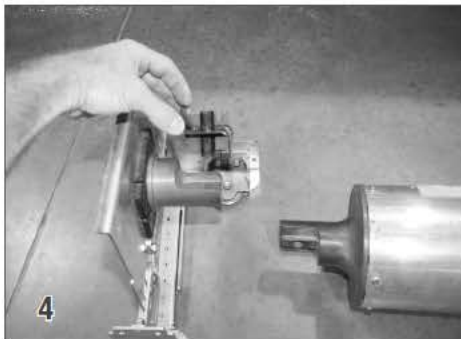


### Attaching the Roll-up tube

To attach the roll-up tube to the motor and non motor ends of the mechanism, turn the motor end and non motor ends upside down. Place the isolation bushing (37) between the split cones on the mechanism and roll up tube.



Insert a 1/2 inch x 2 3/4 inch SS bolt (28) through the split cones and secure it using the 1/2 inch SS nylock nut (23). Tighten the nut firmly.



Make the same attachment on the non motor end by placing the isolation bushing between the split cones.

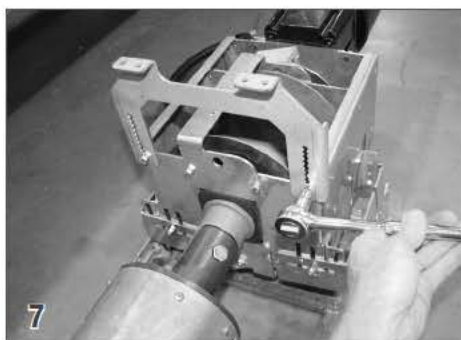


Insert a 1/2 inch x 2 3/4 inch SS bolt (28) through the split cones and secure it using the 1/2 inch SS nylock nut (23). Tighten the nut firmly.



### Adjusting Mechanism Height

Measure from the bottom of the housing to the top of the guide or encapsulation. This is the installed height of the mechanism. Use this measurement to determine which holes to use when adding the mechanism feet. Install the roll-up tube as high as possible without rubbing on the lid brackets.

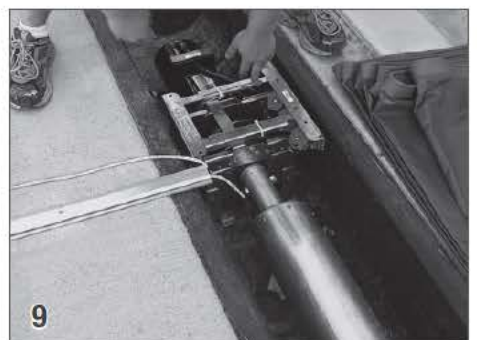


With the motor still positioned upside down, install the mounting feet using the bolts (39) and lockwashers ( ) provided. The top of the mechanism should be flush with the top of the cover guide.



Install the feet on the non-motor end. The top of the pulley bracket should be flush with the top of the encapsulation.

**Note:** The height of the non motor end might need to be adjusted after the mechanism has been placed in the housing.



### Positioning the Mechanism

Lower the assembled mechanism and tube into the housing and place it roughly in the position that it will be anchored.

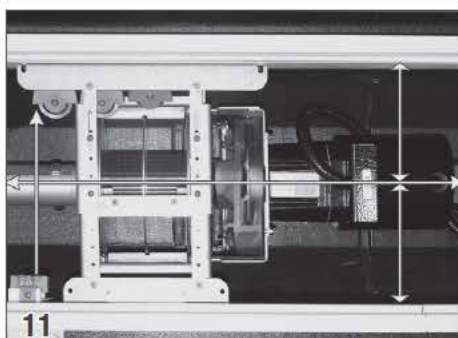
**Note:** If the cover housing isn't square to the pool, position the mechanism in the housing so it will be square to the cover guide.



## Installation Guide



With the mechanism and tube assembled and set in place in the housing, check the roll-up tube for level. **This is crucial to proper operation of the cover.** Position a level across the housing. Measure from the roll up tube to the bottom of the level on both the motor end and non motor end of the mechanism. Adjust height of the non-motor end feet if needed to level the roll-up tube.

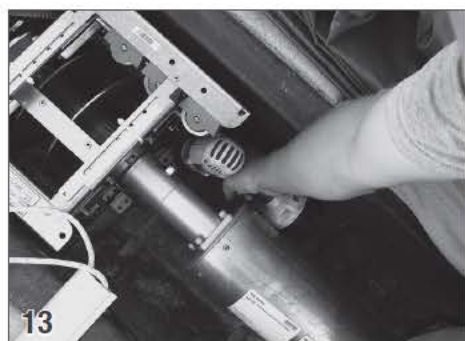


Position the mechanism in the housing so that the roll-up tube is centered in the housing and the pulley # 1 is properly aligned with the guide.

**Tip: The pulley bracket on the front side of the cover housing should be 1 inch from outside of guide.**



Go to the non-motor end and make sure the rope will come straight back from the rope channel of the guide to the pulley. If the ropes do not come straight back, the mechanism should be moved to balance the rope angle on both sides. Only a 1/2" variance from straight is allowed on either side.



### Anchoring The Tube/Mechanism

Anchor the mounting feet into the housing using as many anchor points as possible.



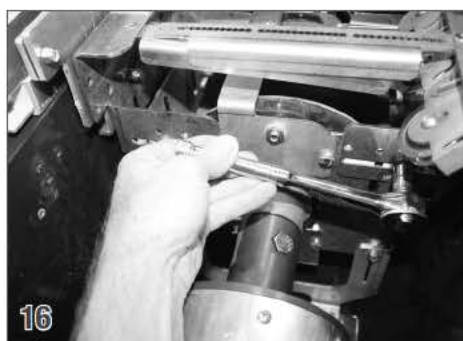
### Extending The Pulley Brackets

Loosen the nuts in the four positions on the adjustable brackets of the mechanism. Spread the brackets outward against the walls of the housing.



Raise the pulley brackets up so that the top of the bracket is even with the top of the encapsulation. This insures the ropes will be level.

**Tip:** before raising the pulley brackets, make sure the feet are set as high as possible without the roll up tube rubbing on the lid brackets.



With the brackets in position, level the mechanism and center it in the housing from front to back. Tighten the four nuts on the adjustable brackets.



### Anchoring The Pulley Brackets

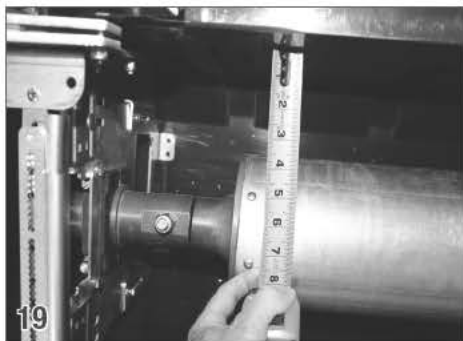
Anchor the motor mechanism brackets into the housing in as many places as possible and mount the mechanism feet to the floor of the housing.



Now loosen the bolts and spread the pulley brackets at the non-motor end making sure they are also level. Anchor the bracket in as many points as possible.



## Step By Step Instructions



Raise the pulley bracket so it is level with the top of the cover guide. Center the non-motor side front to back in the housing.



On the motor and non-motor side, use the half inch screws and nylock nuts provided and bolt the cross braces together.



### Wiring The Electrical Switch

Connect the electric switch by wiring the neutral wire from the power supply, the white wire from the motor and one of the wires from the indicator light together using a wire nut. Note: Switch must be mounted in a position with a full view of the pool.



Connect the ground wires from the power supply and the motor together using a wire nut. Run a pig tail from this wire nut to the grounding lug on the switch.



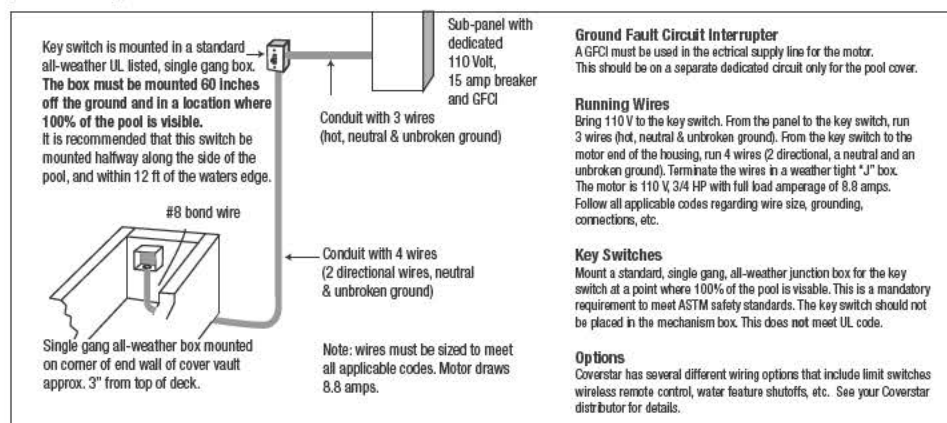
Insert the hot wire from the power supply into terminal L1 on the back of the switch and tighten the screw. **Do not loosen the screws too much or the internal switch connections will be permanently lost.**



Attach the other leg from the indicator light and the **BLUE DIRECTIONAL WIRE** into terminal A1, and tighten the screw.



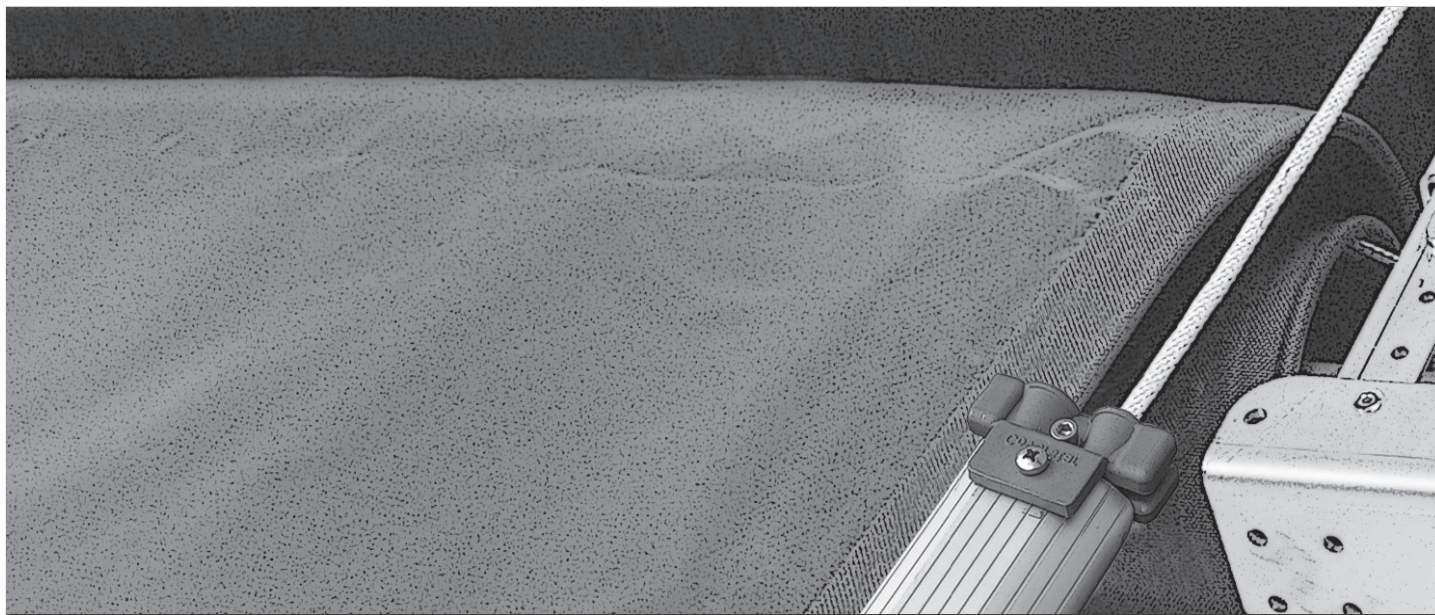
Insert the **RED DIRECTIONAL WIRE** into terminal B1, and tighten the screw. Note: Reverse directional wires if the cover runs opposite to the direction indicated on the switch.



### Electrical Wiring & Bonding

The system must be bonded to meet the National Electrical Code. Bond both guides to the mechanism by attaching a bonding lug to the guidefeed screw and running a #8 solid copper bond wire to the mechanism. Bond the lid to the mechanism by drilling a hole in the lid at either end of the lid and attaching a bonding lug in each position and bonding it to the mechanism. All brackets and any other metal over 4" long should likewise be bonded to the mechanism. There should be a bond wire from the equipment pad inside the housing. Attach this bond wire to the mechanism to complete the bonding requirement. Note: Builder is responsible to bring proper electrical lines, conduit and bonding to the mechanism. Electrical wiring diagram and details are shown above with instructions on the right.





## COVER FABRIC

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## Step By Step Instructions



### Opening The Cover

To open the cover box, cut the bands that hold the two halves of the box together. Never cut the top of the box open. Doing this could easily damage the cover inside. This kind of damage is not covered under the fabric warranty. With the bands cut, lift and remove the top box.



### Rolling Out The Cover

Standing behind the housing looking over the pool, unroll the cover from left to right.



Unwrap the ropes and run them through the guides.



### Running Ropes Through The Guides

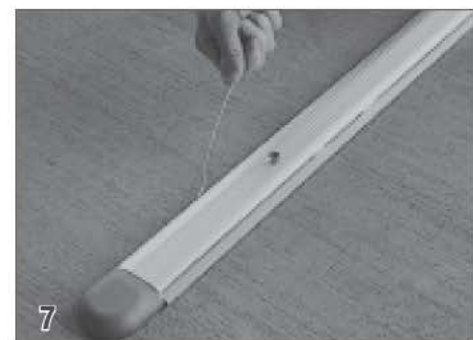
The preferred method of running the rope is to pierce the rope with a 1' length of wire and use it as a handle to feed the rope through the guide.



Hold the wire with some pliers and pull the rope down the length of the guide toward the end of the pool.



Feed the rope through the pulley assembly (26) and place the pulley housing onto the end of the guide.



Feed the rope into the back channel then pull the rope down the back side of the guide toward the cover housing.

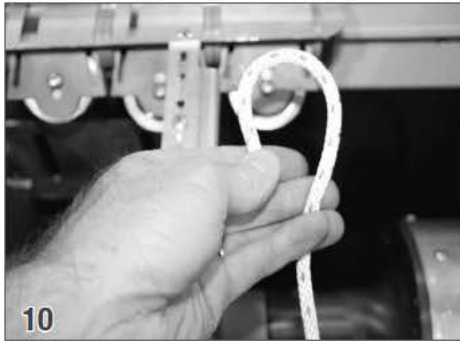


Pull all excess rope through the cover guide.



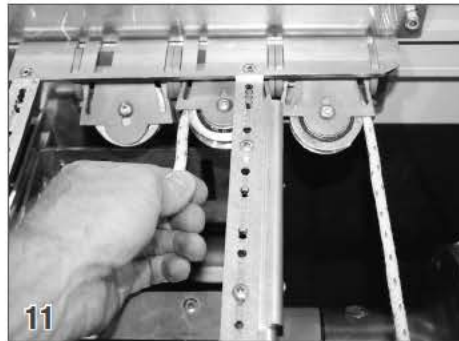
Complete the fastening of all guide screws flush to the top of the guide and fasten the pulley screw on both sides of the pool. Clean concrete dust from guides and pulley endcap. Make sure **ALL** screws are flush with guides.



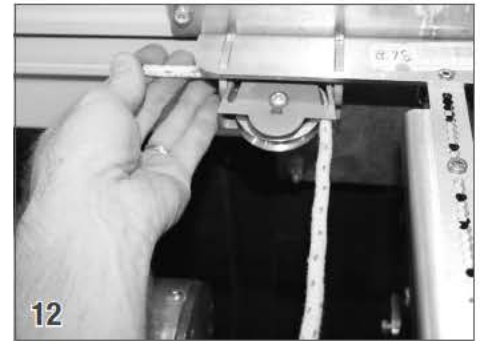


### Routing the Ropes

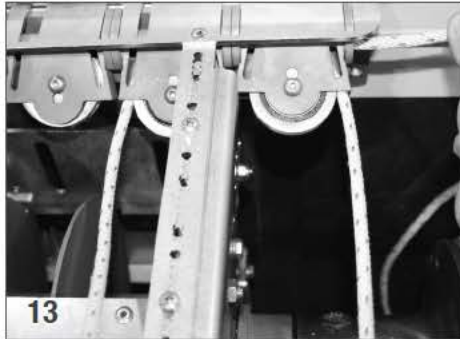
Begin on the motor end. Bend a small curve into the end of the rope.



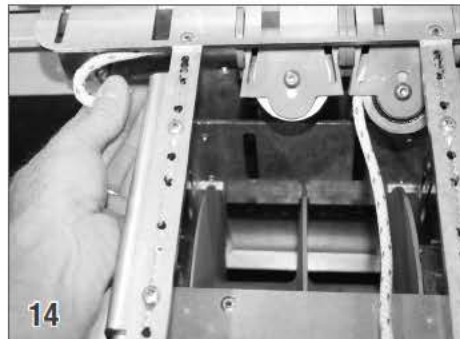
Insert the rope into the side of the first pulley. Push the rope behind that pulley and over along the side of the second pulley.



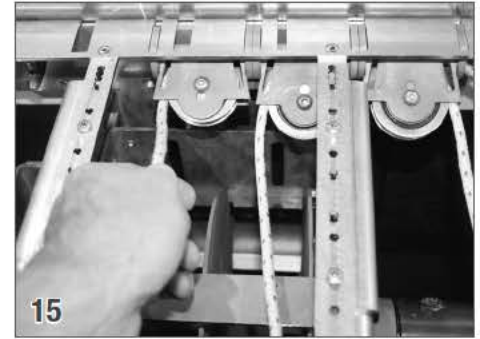
On the non-motor end, run the rope around the pulley and out the back channel of the pulley assembly. Pull this rope along the backside of the cover housing to the motor end pulley assembly.



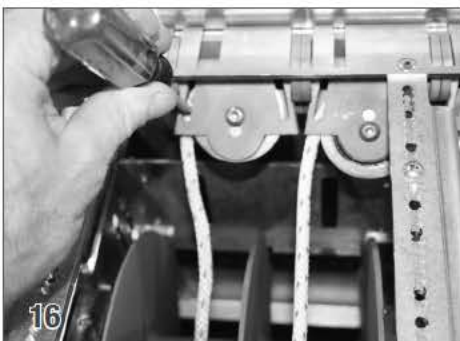
Insert the rope from the non-motor end into the channel behind the first pulley on the motor end. Push the rope behind all three pulleys and out of the channel behind the third pulley.



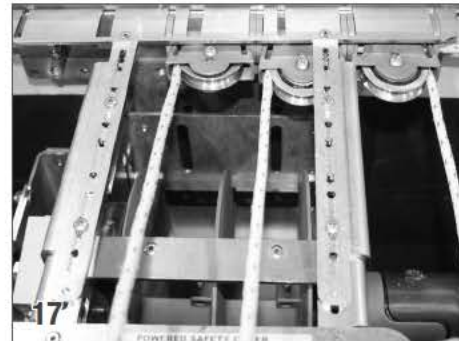
Bend a curve into the end of the rope and pull it back just until it is in the middle of the pulley. Now push the rope back until it comes out the side of the third pulley.



Continue pulling the excess rope through the pulleys.



To help guide the rope around the pulleys, inset a small screwdriver into the slots in the pulley housings.



The ropes routed through pulley assembly should now look like this.



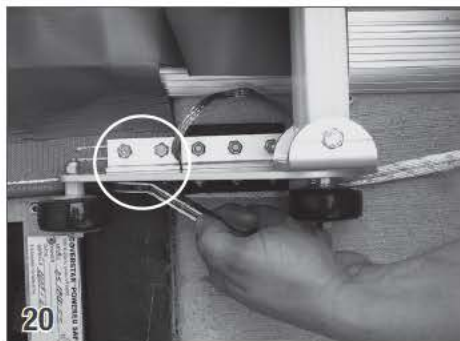
### Attaching The Cover Leading Edge

Lay the front of the cover in front of the housing. Slide the leading edge through the loop on the front of the cover.

## Step By Step Instructions



Attach the rope tab to the wheel assembly.



Attach bracket on cover to the wheel assembly.



Place the nylon leading edge inserts into the ends of the leading edge tube. Make sure they can slide freely inside the leading edge tube.



Feed the wheel assembly and cover into the guide. The slider on the front of the wheel assembly will lock into the guide.



Place a guide feed (23) over the end of the guide. Use a 3/16" drill bit to drill through the guide feed. Feed the wheel assembly and cover into the guide.



Use a 5/32" allen wrench to tighten the screw on the guide feed.



Place a bonding wire lug (31) on top of the guide feed and secure with a 10-32 1 3/8" screw (46) and nylock nut (36).



Install a guide stop (47) on the end of the guide on each guide to keep the cover from retracting too far. Run the key switch in the uncover position to roll the cover up on the roll-up tube. Check the cover to be sure it rolls up evenly. The cover fabric installation is now complete.



Connect the bonding wire that is attached to the front corner of the cover to the leading edge bar using a tek screw. Be sure the screw doesn't interfere with the leading edge insert.



## Installation Guide



Position the fabric on the leading edge so it is in line with the leading edge support bracket. Secure with a tek screw on the back side of the leading edge. Be sure the screw does not interfere with the leading edge insert.



### Attaching The Ropes To The Reels

Pull the cover back until the cover is in the guides equally on both sides. Pull the ropes tight as they come off the pulleys on the mechanism to eliminate the slack in the rope. **Note: Cut the ropes only when the cover is open completely.**



Pull both ropes until the leading edge just moves on each side, cut the longer rope to the same length as the shorter rope while tight. These ropes should be at least 8ft long. Use a lighter or torch to burn the ends of the rope. In most cases you will only need to cut one rope.



Bring the ropes back to the mechanism. Attach the ropes to the rope reel by inserting the ropes through the center of the lugs and tighten the set screws firmly into the ropes. Some prefer to tie a knot at the end of the rope.



While holding the ropes over the mechanism, run the key switch in the cover position. The excess rope will be wrapped around the rope reel.



### Running The Cover Over The Pool

Run the cover over the pool being careful to prevent it from binding in the guide feeds by lifting the cover and helping it into each guide the first time.



### Attaching The Cover & Bonding Wire

Make sure the webbing continues straight as it travels from the guide to the roll-up tube. Attach the cover to the roll-up tube using tek screws (32). The first screw on each end of the tube needs to be 3 inches from the end of the tube. As the cover rolls up on the tube, the webbing should roll up completely off the tube.



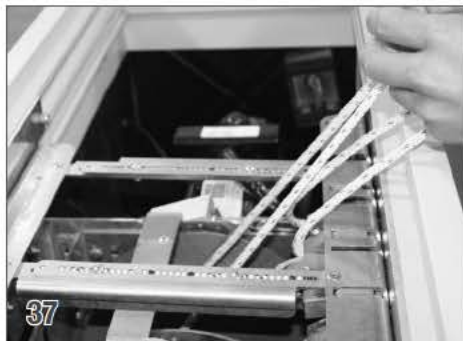
Lay the bond wire on top of the cover fabric. Secure it to the roll up tube using a tek screw (32). Distribute the slack of the cover evenly between each screw across the length of the tube. Secure the cover to the roll-up tube using tek screws (32) every 2-3ft. When attaching the cover to the tube, **do not use folds or pleats.**



Run the key switch in the uncover position to roll the cover up on the roll-up tube. Check the cover to be sure it rolls up evenly. Run the cover 6-10 times to make sure it opens and closes evenly. The cover fabric installation is now complete.

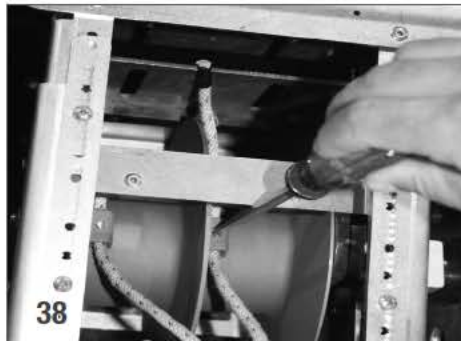


## Step By Step Instructions



### Adjusting the Ropes

When closing the cover, if both sides of the cover don't close squarely, one of the ropes may need to be adjusted. To adjust the rope, open the cover all the way. Pull the excess rope off the rope reel.



If one of the ropes is longer than the other rope, loosen the set screw that secures the rope to the rope reel lug. Shorten this rope until it is the same length as the other rope. Re-attach the rope to the rope reel.

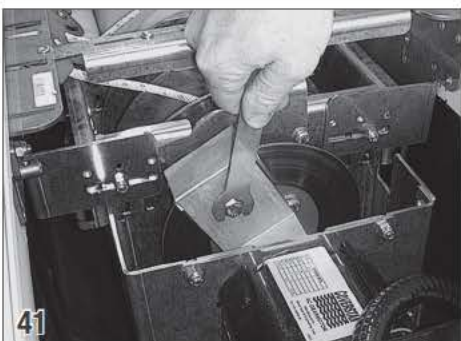


If both ropes are the same length, and the cover doesn't close squarely, shorten the rope for the side of the cover that doesn't close all the way. The amount that the rope is shortened is equal to the amount distance that the cover needed to travel to close all the way. While holding the rope, run the switch in the cover position.

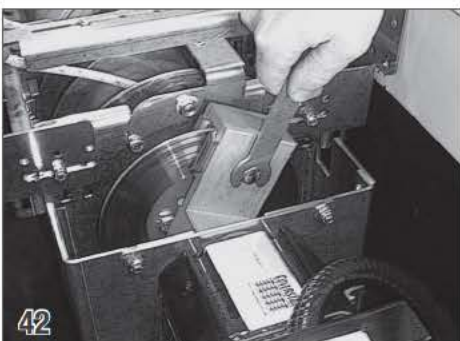


### Adjusting The Torque Limiter

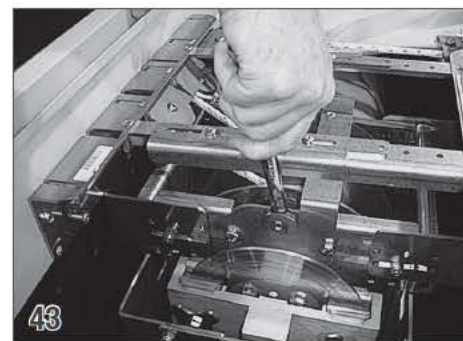
The Eclipse Automatic Cover System is equipped with a torque limiter that helps prevent damage to the mechanism. Only if the motorized mechanism does not extend or retract the cover will you need to adjust the torque limiter.



To adjust the torque limiter, use the provided 9/16" wrench attached to the mechanism to tighten the first brake bolt 1/2 turn. Run the cover.

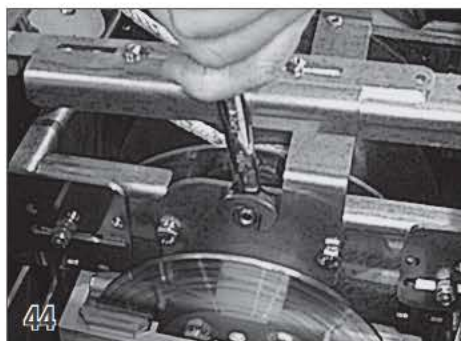


If further adjustment is needed, rotate the torque limiter brake arm to position the second brake bolt and tighten the second brake bolt 1/2 turn.

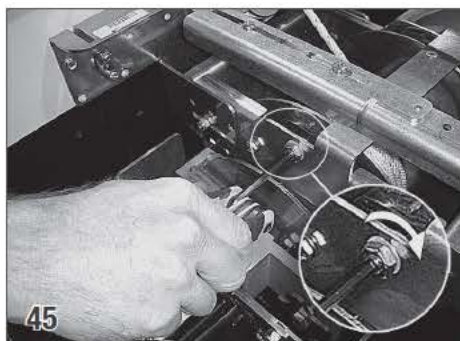


### Adjusting The Brakes

There is a brake at the motor and non-motor end of the mechanism. The brakes are preset at the factory and should work properly. If they do not, they should be tightened enough to prevent the rope from spooling off the reel as the cover is opening. There should only be enough drag to keep the reel from free spinning.



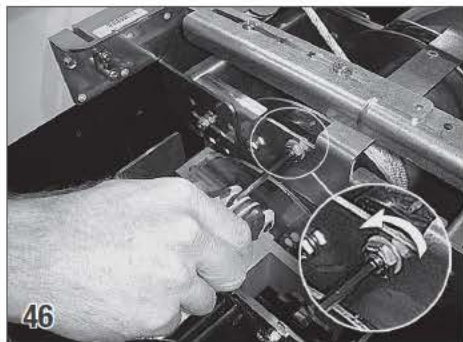
If you need to adjust the brakes, first loosen the jamb nut on the side of the rope reel mechanism.



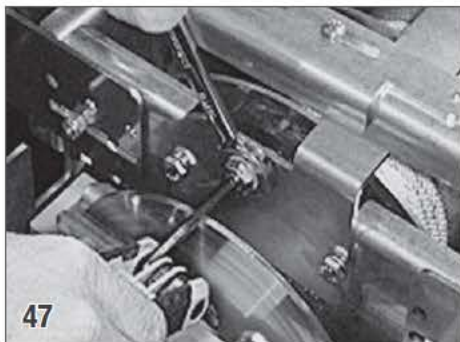
To tighten the brake, use an allen wrench to turn the set screw inside the jam nut in the clockwise direction.



## Step By Step Instructions



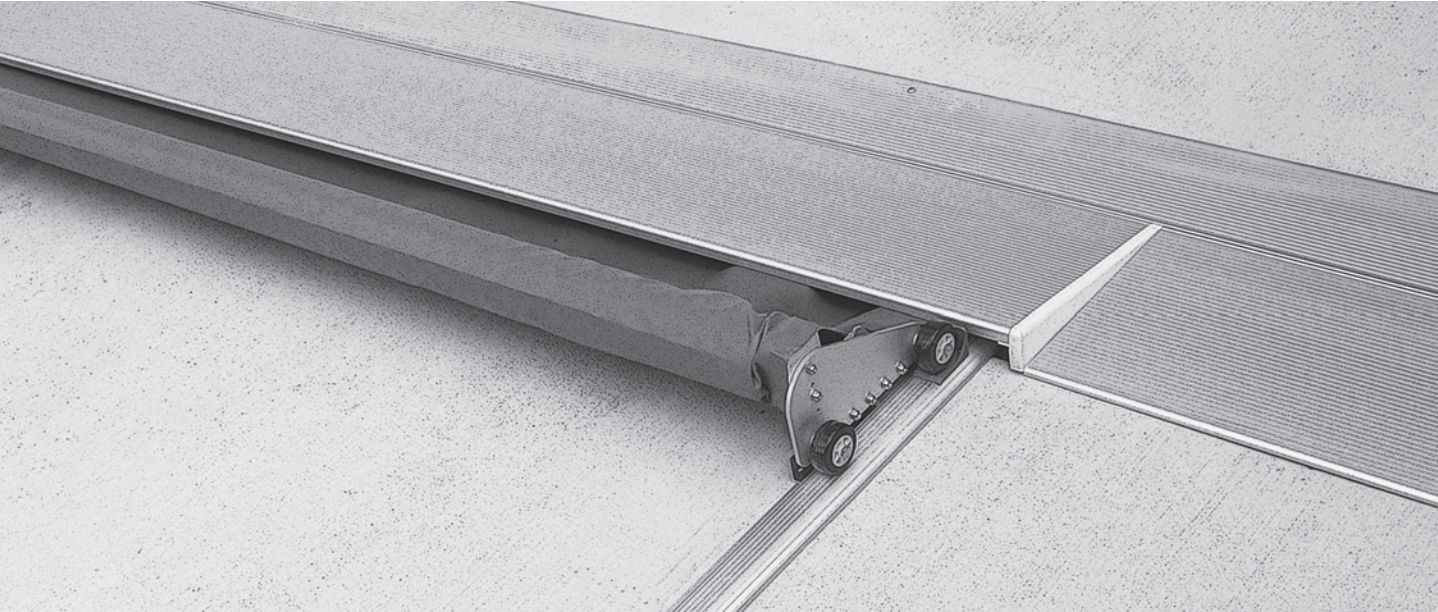
To loosen the brake, use an allen wrench to turn the set screw inside the jam nut in the counter clockwise direction.



After adjusting the set screw, retighten the jamb nut while holding the set screw with an allen wrench. There's a corresponding brake on the opposite side of the rope reel. Adjust both brakes equally.



The non-motor brake should be tight enough to prevent the cover from rolling off the tube faster than it is being pulled into the guide. To adjust this brake, use two 7/16" wrenches and tightening or loosening the thru bolts in the brake block.



# CLASSIC ALUMINUM LID

Step By Step Instructions	Page/Step
Installing the lid brackets .....	16/1
Assembling the aluminum lid .....	16/4
Attaching the lid to the deck .....	16/7



## Step By Step Instructions



### Installing The Lid Brackets

Hold the bracket against the back wall of the housing so it is flush with the top of the deck and mark the hole positions. Use a 1/4" masonry bit and drill through the holes in the bracket into the back of the housing. Be sure to drill the holes at least 3" deep.



Remove the bracket and insert plastic anchors in each of the holes. Tap the anchors with a hammer so they are in the hole completely.



Secure the brackets to the back wall of the housing using #12 x 1 1/2" hex head sheet metal screws. Mount a rope loop on one top screw of each of the brackets. This will keep the rope running straight along the back of the housing.



### Assembling The Aluminum Lid

Assemble the lid by sliding the hinge onto the main section of lid.



Slide the plastic wedges (15) onto the main lid on either side. Tap into place with a rubber mallet.



Slide the motor and non motor lid ends onto the hinge.



### Attaching The Lid To The Deck

Position the lid over the top of the housing. The motor end and non-motor ends should extend past the cover housing 1-2". If they extend more and do not lay flat on the deck, it may be necessary to cut the lids. Drill through the lid hinge along the back edge every 2'-3' using a 1/4" drill bit. Then, drill through these holes and into the concrete deck using a 1/4" masonry bit. Clean concrete dust from hinge.



Insert plastic anchors (38) into the holes and tap with a hammer so they are flush with the deck. Fasten the lid to the deck with #12 pan head screws (32). File any sharp edges.



Measure across the hinge to evenly space the screws. Continue drilling and anchoring the hinge in this manner until the entire lid is attached to the deck. If any part of the lid is sticking up, it must be screwed down to the deck. The safety pool cover installation is now complete. Now instruct the home owner using the home owners guide and the checklist on the next page.

## Installation Guide



## HOME OWNER CHECKLIST

After the cover system is installed, it is **critically important to instruct the home owner on how to operate the cover system safely and do routine maintenance.** Use the following check list and the ECLIPSE Use & Care Guide as your primary instruction source.



### Use & Care Guide Page

- ☐ How to use the cover pump ..... 4
- ☐ How to uncover and cover the pool ..... 6-7
- ☐ Warn about standing water on the cover ..... 4
- ☐ Who is authorized to operate the cover system ..... 6
- ☐ Pool chemicals and cover life ..... 8
- ☐ Proper maintenance and care of the cover system ... 8-9
- ☐ Inform the customer on pool safety ..... Back cover



**Guides**

- ☐ **All guide ends filed. This is extremely important**
- ☐ **Does the guide space measurement match how the cover system was ordered?**
- ☐ Cover goes through the guide joints smoothly.
- ☐ All guide screws are tight and flush.
- ☐ Pulleys are flush against the end of the guide.
- ☐ The guidefeeds are snug against the guide
- ☐ Guidefeeds bolted in and are tight.
- ☐ Stops installed.
- ☐ Alignment pins and splices used when joining the guides, even in encapsulation.

**Mechanism**

- ☐ Mechanism installed level in the box.
- ☐ Tube level in housing.
- ☐ Tube centered between the guides.
- ☐ Enough clearance top, bottom, sides for the fabric. No rubbing of webbing on sides or bottom of box.
- ☐ Tube at the right height? The ideal location is to install the cover in the box so that the cover is coming off at as small an angle as possible. This reduces stress on the mechanism and reduces wear on cover guides at the end of the track.
- ☐ Tube either centered in the box or positioned slightly more towards the front of the box, so that the cover is unlikely to rub on the lid brackets.
- ☐ System mounted at right angle to the track.
- ☐ Ropes coming back straight out of the track. An excessive angle will cause wear on the cover guides at the end of the track.
- ☐ Ropes are not rubbing on any brackets or the deck.
- ☐ Ropes are run correctly (see page 15, steps 11-18).
- ☐ 8 feet of rope left on rope reel.
- ☐ System bonded according to electrical code. Cover bonded to leading edge and roll-up tube.
- ☐ Torque limiter adjusted for the pool (see page 18, steps 37-40). If mechanism is hydraulic, are both bypass valves set slightly higher than necessary to run the cover?
- ☐ Rope loops installed on each lid bracket so rope cannot droop and snag on cover or lid brackets (see page 20, step 3)
- ☐ Make sure the system is electrically bonded to meet the National Electrical Code.
- ☐ **Make sure there is adequate drainage from the cover housing.**

**Cover**

- ☐ Fabric pinned to the take-up tube without pinned folds.
- ☐ Cover is bolted to the wheel assembly.
- ☐ Cover runs smoothly.
- ☐ Cover properly aligned when it closes or retracts. Note: An inch or two out of square is not uncommon and is not a concern as it will not effect the operation of the cover. Because of the size of the fabric roll, and changes in operating conditions the cover may vary slightly in alignment as it is run.
- ☐ The leading edge inserts move in and out freely the whole length of the pool.
- ☐ Fabric is pinned to the leading edge flush with the ends of the tube.
- ☐ Cover does not rub in the housing as it rolls up.

**Cover Lid**

- ☐ All sharp edges have been filed
- ☐ All areas where the lid is not flat on the deck been screwed down to eliminate any potential hazards
- ☐ There is enough clearance between the lid brackets and the cover to avoid rubbing

**Misc.**

- ☐ Key switch is in full view of the pool
- ☐ Cover pump tested by putting it in the water and operate it in front of homeowner
- ☐ The cover box is clean and clear of debris so that the drains are not easily clogged
- ☐ Pool area cleaned up
- ☐ Homeowner has been instructed (see page 21)

## System Parts Reference (Parts shown are not to scale)

Mechanism Components				Cover Fabric	
Cover Guide Types		Standard Topguide Lid Components		Lid Support Bracket	
Cover Pump					
Guide Feed		Wheel Assemblies		Misc. Hardware	
Parts List					
1. A1839 Motor & housing, standard 3 wire Bison motor					
2. A1589 Mechanism RT or UG (Right)					
A1588 Mechanism RT or UG (left)					
3. M4612 Mechanism Mounting Foot					
4. A2374 Tube Insert/Cone Casting					
5. X0001 6" aluminum roll-up tube					
6. A1601 Non-motor end assembly RT/UG (Right)					
A1604 Non-motor end assembly RT/UG (Left)					
7. A0605 Key switch - Leviton assembly complete w/ light					
8. A1565 Wheel Assembly (standard topguide)					
9. X0021 Aluminum leading edge					
10. Cover fabric					
11. Varies PowerFlex rope - Lengths will vary by cover length					
12. X0656 Standard Topguide					
13. A2123 Horizontal Flush Deck Guide					
14. X0004 Main Lid					
15. A0376 Lid wedge					
16. X0121 Motor End lid					
17. X0659 Non-motor end lid					
18. X0943 8" lid hinge					
19. A1698 14" cover lid bracket (Set of 2)					
20. A1694 12" cover lid bracket (Set of 2)					
21. E1130 Little Giant cover pump & Instructions					
22. A1071 Guide feed for standard topguide					
23. A1061 Guide feed for Horizontal Flush Deck Guide					
24. A2198 Wheel Assembly (horizontal. flush topguide)					
25. A0886 Pulley End (standard topguide)					
26. A2141 Pulley End (recessed horizontal flush guide)					
27. A2133 Curved Guide, housing, stop, splice - 8 ft.					
28. E1098 Bonding wire					
29. M3962 Guide splice RHG					
30. E1086 Bonding lug ka-6u (for 1 wire)					
31. H0334 Screw PFSM 12 x 1-3/4 for Topguide					
32. H0332 Screw PPSM 12 x 1-3/4 for lid hinge					
33. H0150 Screw PPMS 10-32 x 5/8, for cross brace					
34. H0152 Screw PPMS 10-32 x 1/2					
35. H0176 Nut nylock 10-32					
36. H0075 Rope loop (black plastic)					
37. H0310 Screw PPSM 10 x 1/2					
38. H0324 Plastic anchor STD #12					
39. H0331 Screw HHWSM Tek 10 x 1/2 SS					
40. H0096 Carriage bolt 1/4-20 x 1/2 SS					
41. H0006 Washer split lock					
42. M0105 Standard splice, top guide					
43. H9630 Spring pin for guide alignment					
44. H0276 Nylock nut 1/4 - 20					
45. H1101 Screw 10- 32 1-3/8"					
46. M9797 Stop Topguide 403, L Shaped Stainless Steel					
47. H0096 Bolt 3/8-16- 1-1/4					
48. H0331 Screw HHWSM 12 x 1-1/2 w/slot					

The parts list at above is typical for most pools up to 20' x 40' and includes all parts necessary to install the Coverstar system, however, parts will vary for longer or wider pools and according to your specific order.



## QUESTIONS?

For questions about this installation guide,  
contact your independent Coverstar distributor.



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