

Replacement Cover Installation Instructions

Materials Needed:

- Pool Cover Specialists Replacement Cover
- IN2050 - Infinity Refab Pinning Screw Kit

Tools Needed:

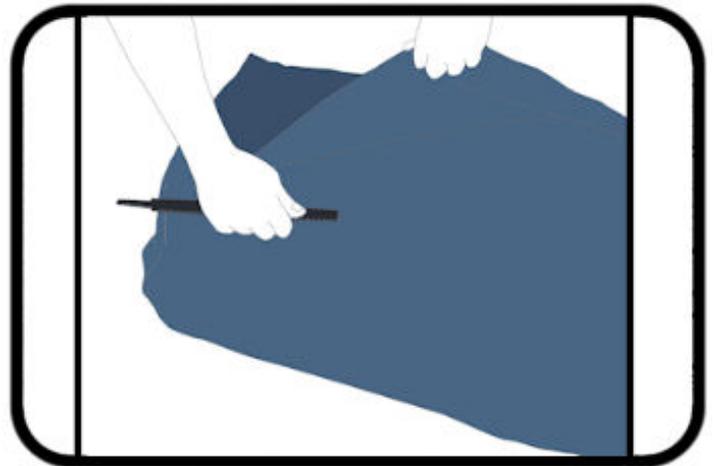
- Sewing Awl & Thread
- Cordless Drill
- Scissors
- Lighter/matches
- File or Dull Cutting Edge
- Phillips Drill Bit
- 5/32 Allen Wrench
- 50' Fish Tape (Optional)



I. Preparing the Replacement Cover

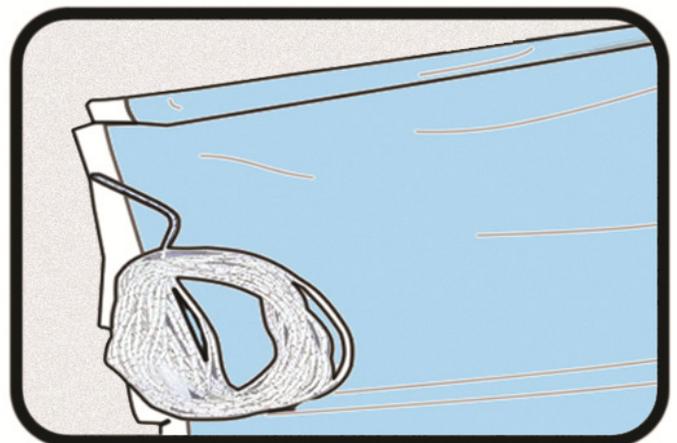
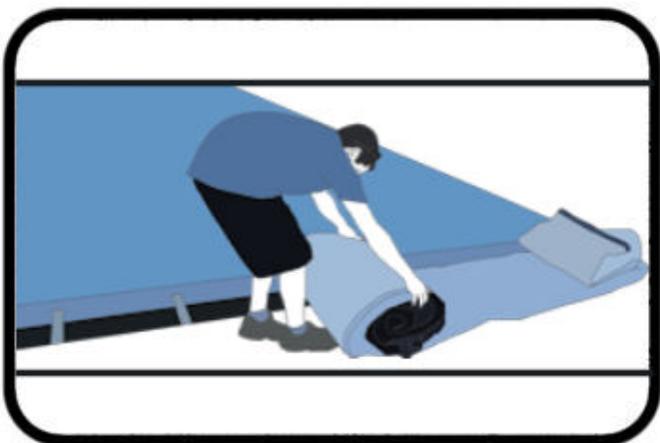
Upon receiving your Pool Cover Specialist replacement cover, check the dimensions on the order to the actual dimensions of your pool. Pool covers have added slack for the width to compensate for the changing water heights and added length for attachment to the mechanism.

1. Using a dull edge such as a file or a screw driver cut through the tape containing the cover. **VERY IMPORTANT NOTE:** Be extremely careful when cutting that you do not cut through more than one layer of fabric. Doing this can result in damages to the cover.



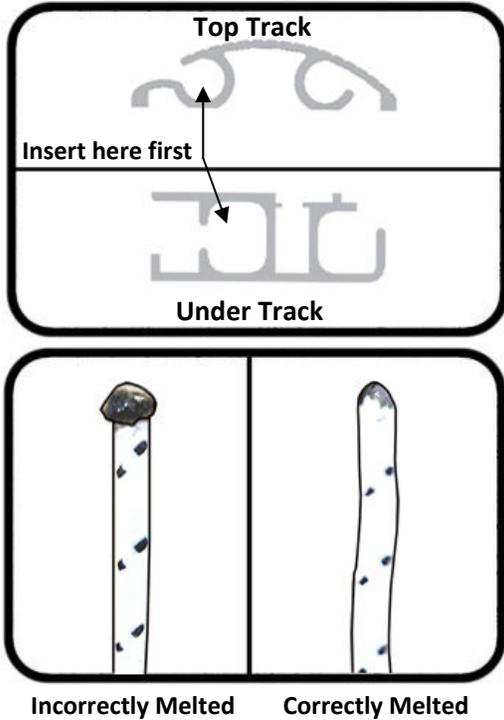
2. Unroll the cover directly behind the drive mechanism, position it about two feet behind the tracks with the ropes lined up with the track. At this time take careful note of which side of the cover is the top side. All seams on the cover will face downward. Locate any manufacture warning labels, these labels will always face upwards.

3. Unwind the ropes so that there is no kinks or tangles in the whole length of the rope, if there is available space lay the ropes out straight behind each track.

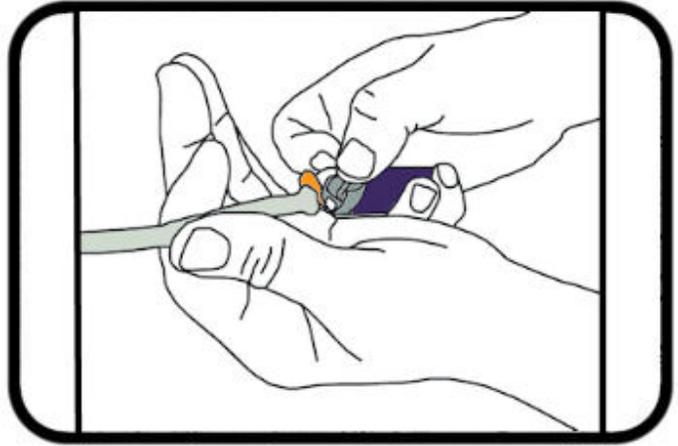


4. If the previous cover was properly removed the ropes would have been cut off and left in the tracks. If the old ropes have been removed from the tracks refer to Appendix A.

The rope must first be inserted into the cover channel of the track.

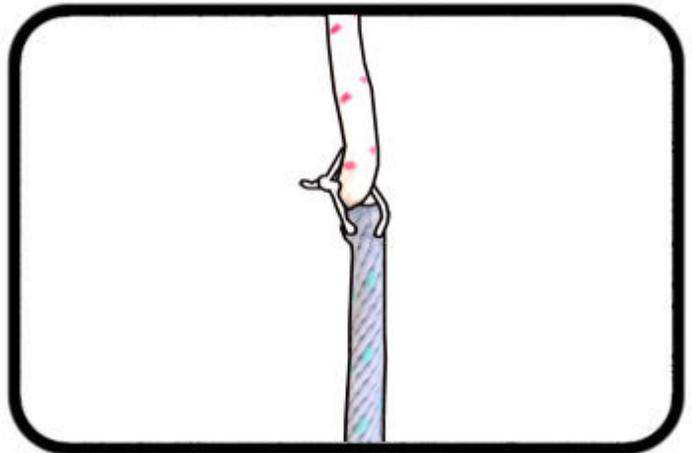
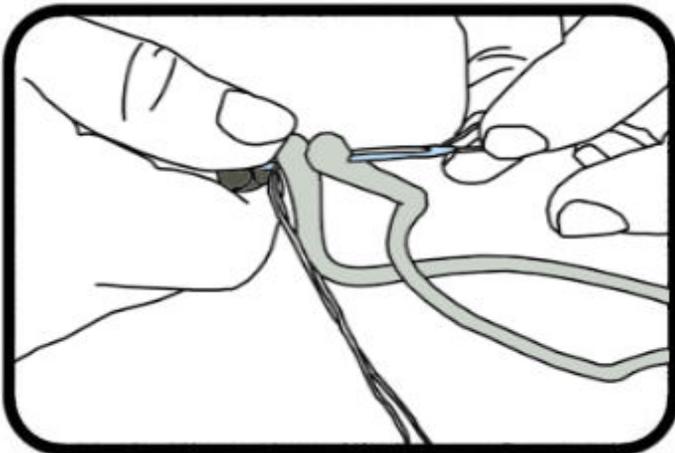


5. When sewing the ropes together it is crucial that the end of each rope be burned or fused down to a size less than the diameter of the rope. The reason for this is that the rope must pass through a pulley at the end of the track. If the ends of the ropes are larger than the rope itself, the thread will break causing the ropes to disconnect in the track. If no lighters are available you can tape off the ends of each rope to achieve the needed diameter, although melting is the preferred way.

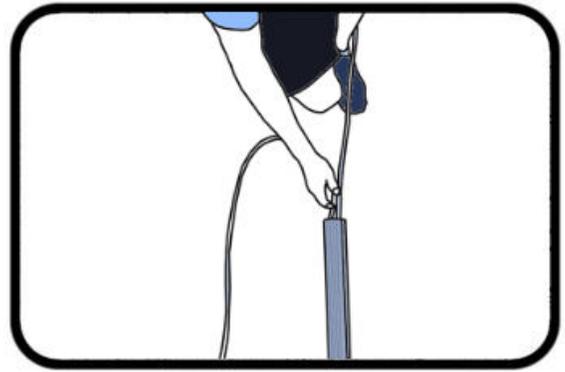


6. Hold the old rope side-by-side with the new rope. With a 4"- 6" length of thread in your sewing awl needle push it through both ropes.

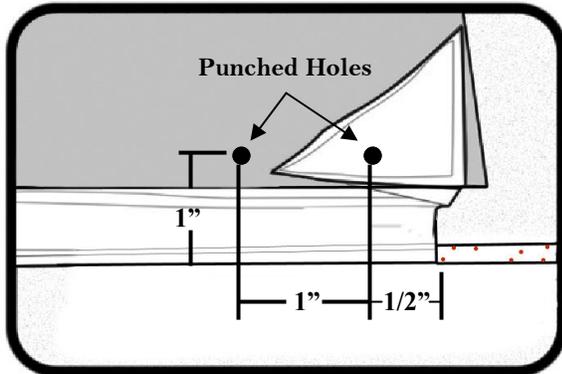
7. Remove your sewing awl leaving just the thread through both ropes. Tie several knots in the thread, the ropes will be under tension as they are pulled through the track so this connection must be solid while still being a diameter less than or equal to the rope. It may be beneficial to repeat these steps multiple times.



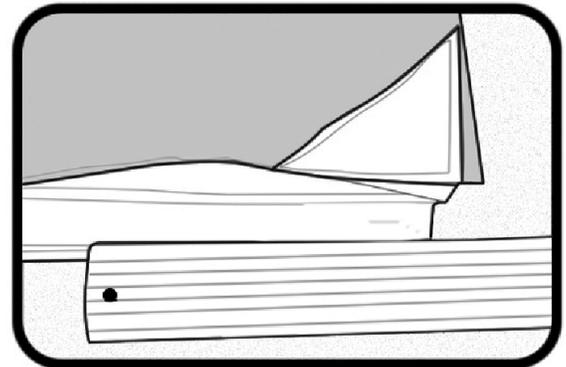
8. Once your new and old ropes have been spliced together carefully begin to pull the ropes through the track, it may help to keep a slight amount of tension on the ropes so that spliced point will go through the pulley straight and aligned with the old rope. Note: If the spliced point is to break off at any point inside the tracks remove the ropes and refer to Appendix A.



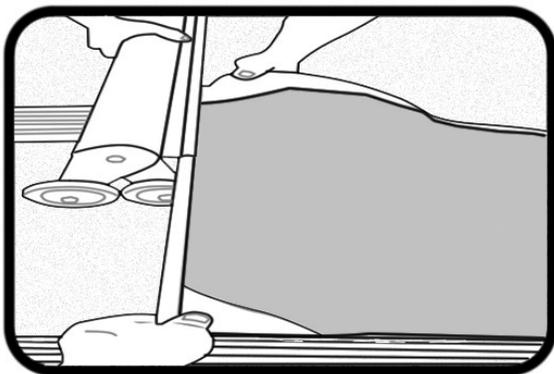
9. Once the new rope is pulled through the track break the sewn connection and discard of the old ropes.



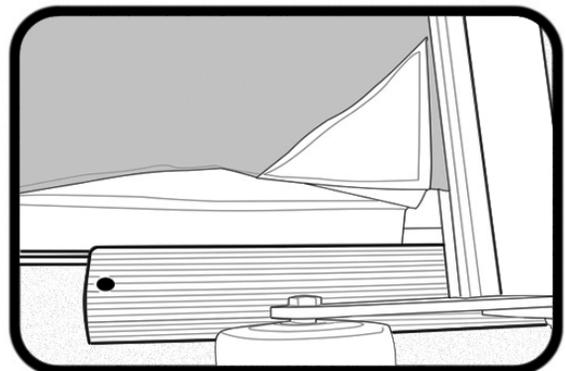
Note: If installing cover onto an under track system using a slider assembly, holes will have to be punched in each front corner for attachment to the slider plate. Follow the guide above.



10. Pull 1 foot of the Pool Cover into the Track on one side of the pool. NOTE: Do not pull the cover into the opposite Track at this time.

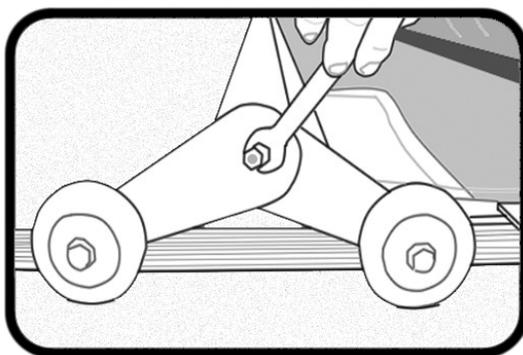


11. Insert the front edge of the un-inserted end of the Cover into the slotted channel of the Leading Edge Bar. Push the bar across the pool.

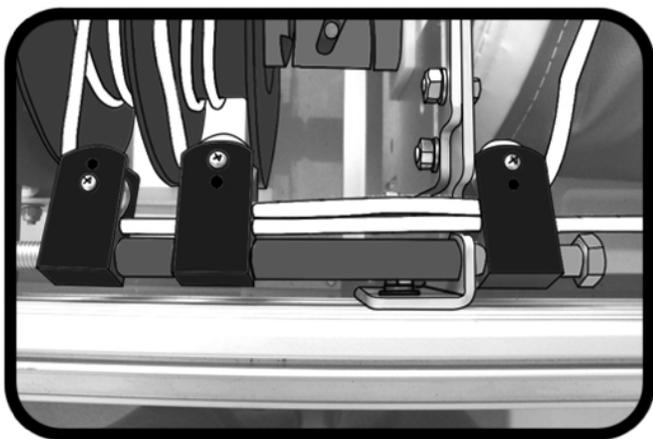


12. Feed the un-inserted end of the fabric into the Track. Pull the Cover forward until both sides extend about 1 foot into the track.

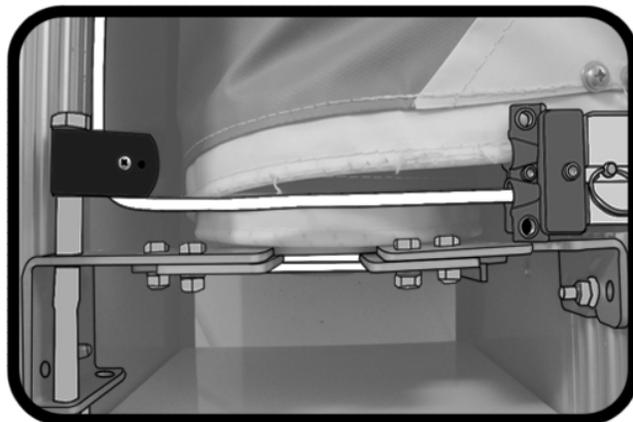
13. Center the Bar over the pool. Adjust the Wheel Arms so that the Bar is elevated above the deck for the entire length of the pool, if using under track, attach the slider assembly by inserting the dowel into the Leading Edge. Then drive a #10 x 5/8" pinning screw through the "C" channel of the Leading Edge to secure it to the cover.



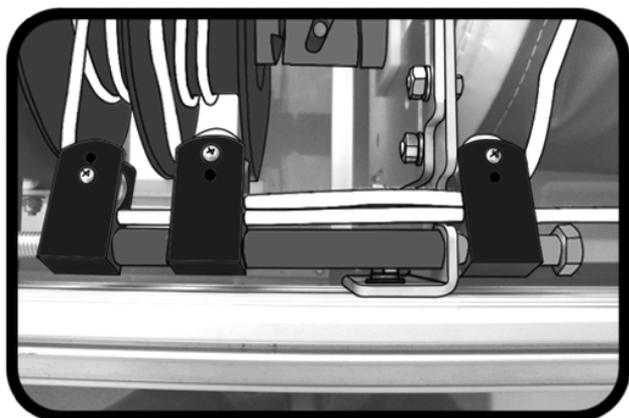
II. Pinning Pool Cover Rope to the Rope Reel



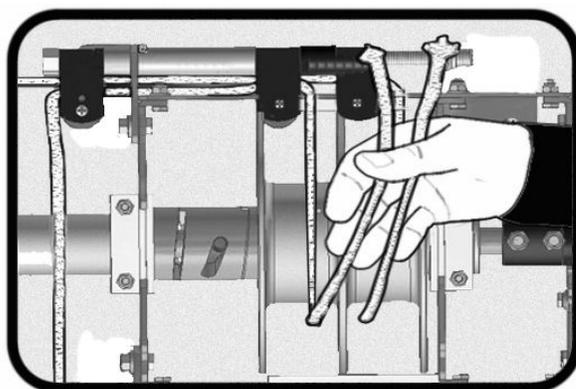
1. Feed the Motor end Rope through the first two pulley assemblies on the mechanism and beneath the first rope reel.



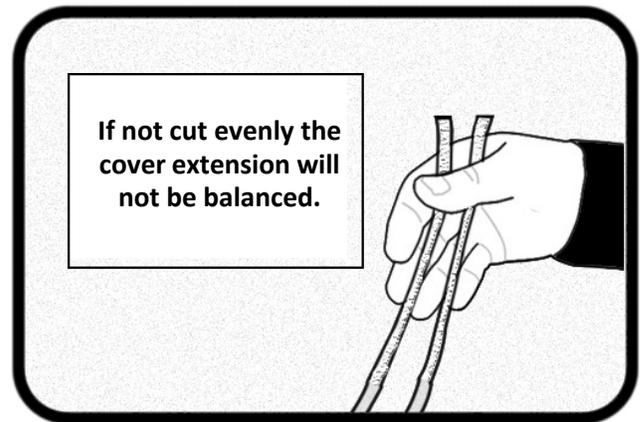
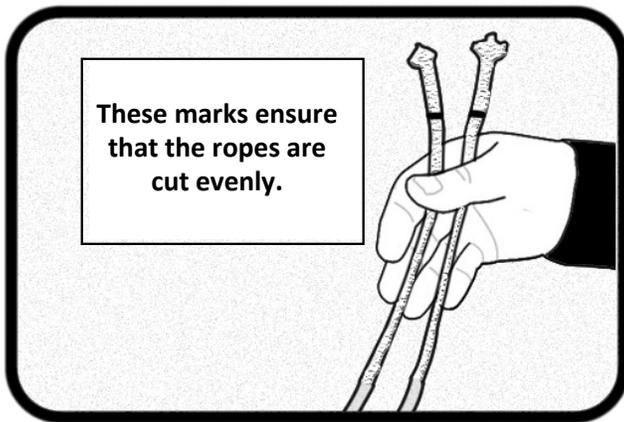
2. Thread the non-motor end Rope through the Pulley Assembly on the non motor end Mechanism. Pull it across the pool to the motor end.



3. Thread the non-motor end Rope through all three motor end Pulley Assemblies and beneath the second Rope Reel.



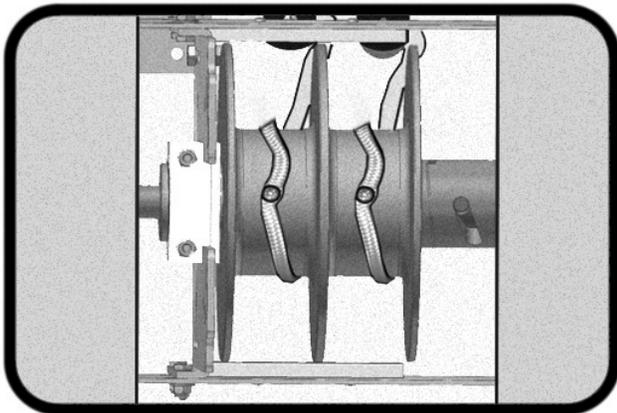
4. Grip both Rope ends and pull until the pool cover begins to tighten. Note: Make sure the Leading Edge bar is even and centered.



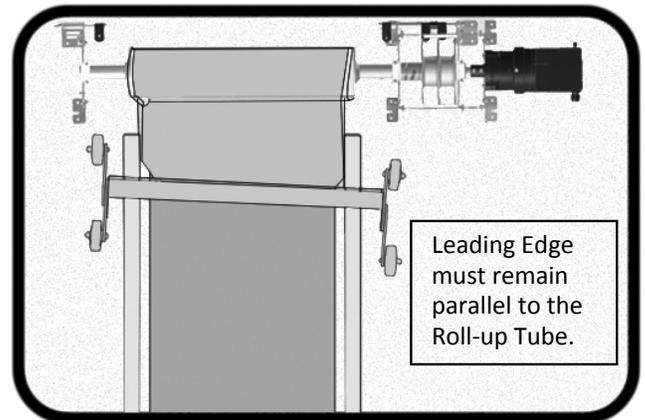
5. Hold both Ropes even and mark them approximately 4 - 5 feet from where they leave the Rope Reel.

Note: Cover must be in the open position when cutting the ropes, if cover is closed ropes will be too short.

6. Use a utility knife to cut the Ropes at the markings made in Step 5. NOTE: It is very important that the ropes be cut evenly. Use a lighter to fuse the rope ends. This will ensure that the ropes do not fray.



7. Pin the two Rope ends to the appropriate teels by inserting a #10 x 5/8" screw through the ropes, 3" from the rope end and into the pre-drilled holes in the reel. Note: It is very important that the ropes are pinned evenly.



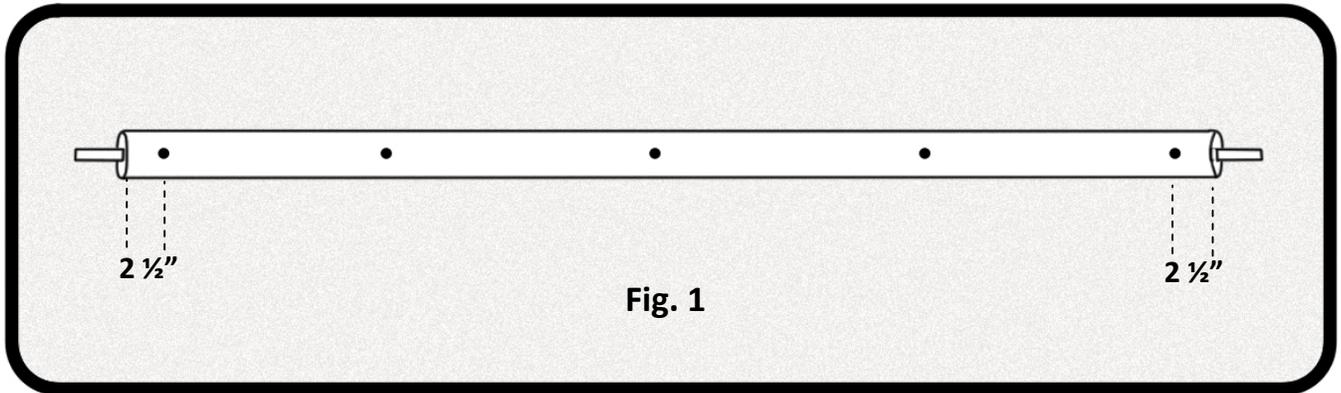
8. If the Pool Cover rolls up unevenly, it will be necessary to re-pin the Ropes to the Rope Reel. If adjustments are made, be sure to cut any slack Rope.

III. Pinning Pool Cover Fabric to the Roll-up Tube

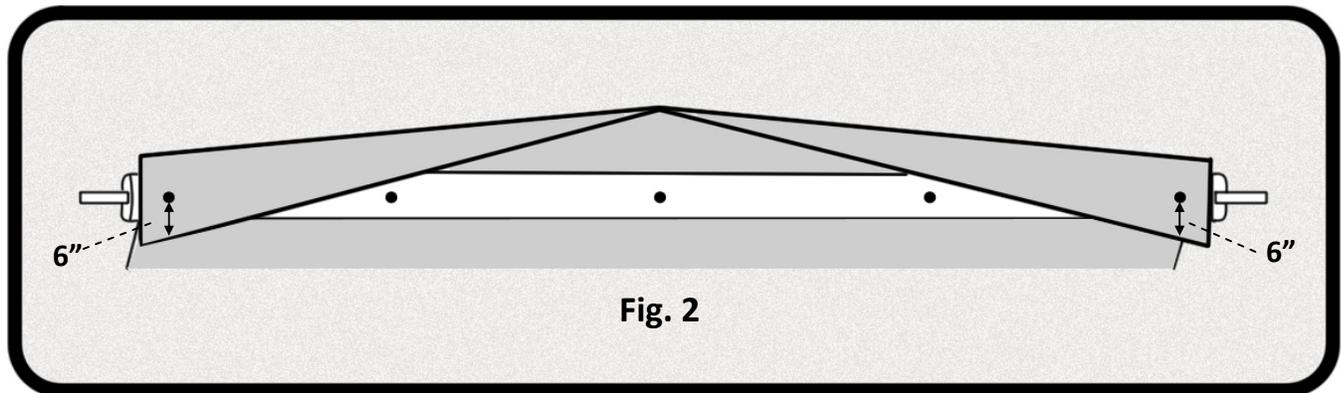
1: It is now necessary to fully extend the cover over the pool. Activate the Touch Pad or Key Switch in the "Close" direction, watching the cover carefully as it advances. Be prepared to stop the cover immediately if it is not feeding evenly into the track, or if one side begins to pull ahead. If possible, this task is best performed by two people; one observing the cover, the other activating the control.

2: Pull the end of the fabric over the roll-up tube. **(Fig. 2, below)**

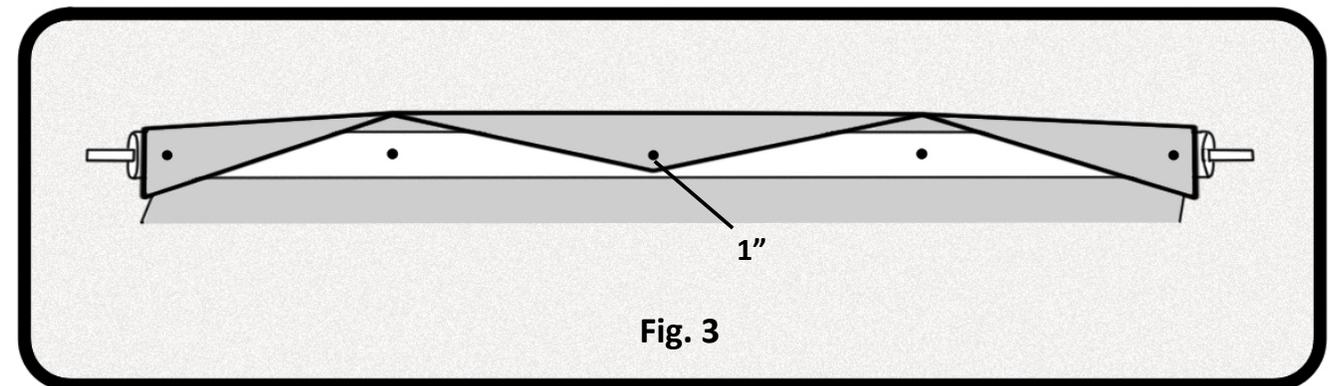
3: It is now necessary to create pinning holes along the length of the mechanism roll-up tube. Using the cordless drill with a 11/64" drill bit, create 5 evenly spaced holes in a straight line across the roll-up tube. Start by drilling holes approximately 2½ inches from each end. (*Refer to Fig. 1, below*)



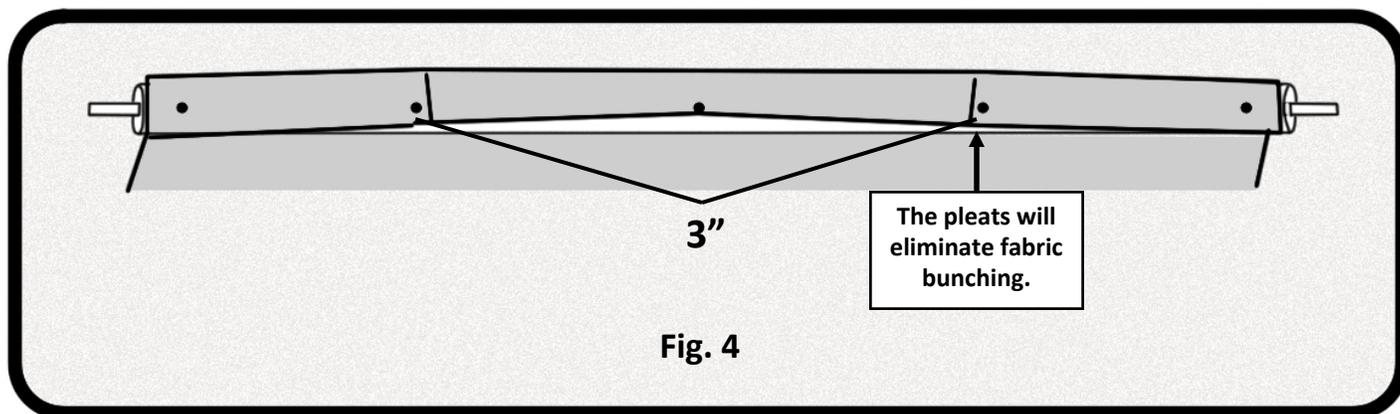
4: Pull the tail of the fabric up around the tube until the edge of the fabric is approximately six inches beyond the holes drilled in **Step 2**. Use two #10 x 1/2" or self-tapping screws to pin the fabric ends to the roller through the two holes drilled at either end of the mechanism in **Step 2**. Pin only the ends at this point. Make sure the tail edge of the fabric is about six inches beyond the pinning point. (*Fig. 2, below*)



5: Lift the fabric up in the middle of the roll-up tube, forming an upside down "V", as in **Fig. 2, above**. This will allow you to locate the center point of the fabric. Pull the center of the fabric about one inch beyond the pinning hole and use a #10 x 1/2" or self-tapping screw to pin the center point of the fabric to the center screw hole in the roll-up tube. (*Fig. 3, following page*)



6: Move to one side to locate the screw hole that is spaced between the center hole and the end hole. Lift the fabric again into an upside down "V". (**Fig. 3, above**) Identify the center point and fold any excess fabric to create a pleat. Pin the pleat to the appropriate screw hole. Repeat this step at the last remaining screw hole, located at the other side of the roll-up tube. **NOTE: Failure to follow these instructions may result in an uneven cover pinning. This can cause the cover to retract crookedly, a condition that can cause problems with the operation of the cover.**



7: When the cover is evenly pinned to the roll-up tube, wrap the "tail" of the cover around the roll-up tube by manually rotating the tube until all of the loose fabric surrounds the roll-up tube.

8: Now, operate the Touch Pad or Key Switch in the "Open" direction. Stop when the cover is positioned halfway across the bond beam.

9: Determine whether or not the cover retracted evenly by noticing whether or not the Leading Edge of the cover is parallel with the Infinity Mechanism. If it is not even, the cover will require adjusting.

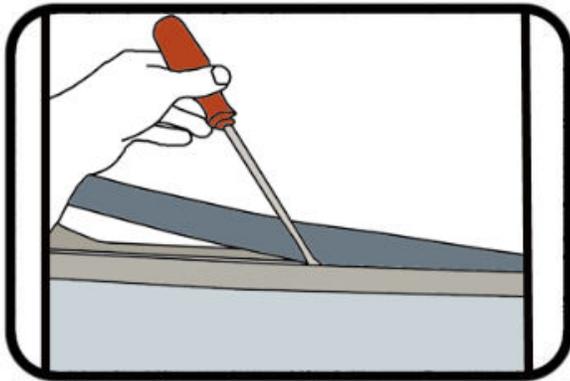
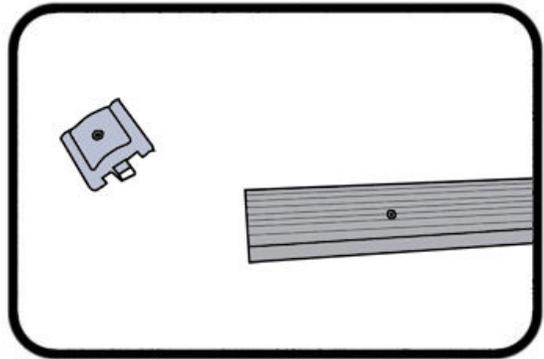
10: To make adjustments to the cover, determine which side of the cover is retracting unevenly. Disengage the double dog clutch gear from the rope reel assembly, grab hold of both ropes and unwind them from the reels. Then remove the pinning screw holding the rope that is need of adjustment. Pull on the rope being adjusted manually until the Leading Edge bar becomes parallel with the Mechanism. Re-secure the rope to the appropriate reel. This may require repositioning of the rope pinning screw. Rewind the ropes onto the reels and move cover into the closed position. Retract the cover once again and determine whether the Leading Edge is even. Repeat this process until the Cover is extending and retracting evenly.

Appendix A - Removing Tracks for Rope Installation

Determine which style of track the pool application has. If the tracks sits on top of the deck it is considered a top track, if it is part of the pool wall it is considered under track. Top track may not need to be removed to install a rope, under track however is held in by shims or screws fitted underneath the track, several of these may need to be removed to access the end of the track.

Step 1:

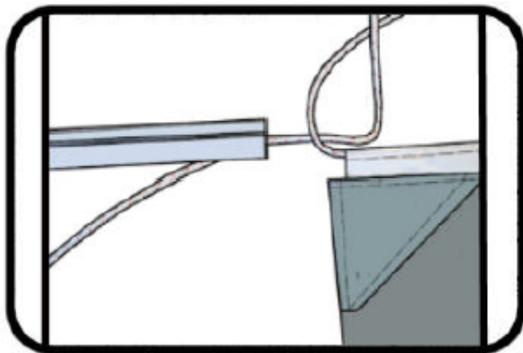
To install a rope into a top track style track the pulley at the end of the track will need to be removed. Remove the last two screws holding the track in before the pulley casting. If using Snap-down track the track will need to be pried up and “snapped” off of the Snap-locks holding it in place.

**Step 2:**

If removing under track, the shims underneath the track will need to be removed, a shim removal tool is preferred but if one is not available a flat head screw driver can be used. Remove the last ten feet of shims on the end of the tracks away from the mechanism. The tracks can then be pulled out of the track enough to access the pulley housing. Remove the pulley housing from the track.

Step 3:

With the guide removed at the mechanism end of the track, wedge the rope into the cover channel of the track. Pull the rope to the end of the track. You will then push a fish tape through the return channel of the track until reaches the end.

**Step 4:**

String the rope through the pulley, the rope will then need to be attached to the fish tape and pulled through the return channel of the track. Attach by either using duct tape or sewing a thread between the rope and fish tape, sewing is the preferred method but taping will suffice.

Step 5:

Pull the rope through the track and detach the fish tape. Reinsert the pulley housing, install any screws or shims that have been removed during the process.

