

INSTALLATION MANUAL
For EZ-Cover deck mount system



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EZ-COVER TOP TRACK INSTALLATION MANUAL

Table of Contents

Page 1	Tools & Equipment Required
Page 2	Installation of Track Splice Connectors
Page 3	Track Measurements for Length
Page 4	Track Measurements for Width
Page 5	Track Measurements for Diagonals
Page 6	Installation of the End Pulley Retainers
Page 7	Mounting the track to the Cover Drum
Page 8	Mounting the Cover Drum Supports
Page 9	Mounting the Independent Rope Reel Module
Page 10	Installation of the Rope into the Track
Page 11	Installation of the Leading Edge Bar
Page 12	Installation of the Top Track Guide
Page 13	Installation of the Ropes
Page 14	Installation of the Rope into the Independent Rope Reel
Page 15	Installation of the Fabric onto the Cover Drum
Page 16	Opening the Cover

Preliminary Pre-Site Checks

- 1). Check for any obstructions that may be in the way of the cover tracks or the mechanism. Diving boards, ladders and/or handrails should be removed if needed. Make sure that the tracks and drive unit won't obstruct access to any skimmers. Hinges may be used if the ladder is outside the track. These hinges may be ordered from Aquamatic for an additional cost.
- 2). Ensure that the track will go past the end of the swimming pool on both sides so that the fabric will cover the pool completely.
- 3). **The setback for the drive unit is 1' from the pool edge.**
- 4). Check to see if the drive unit, bench and housing and/or the tracks are going across any area not covered with concrete or similar decking material. **If this is the case, then these areas must be filled in with the appropriate material.**
- 5). If the deck has a greater than normal slope away from the pool, then there may be a chance that the drive unit may have to be raised off the deck. This will ensure that the fabric has enough clearance at the bottom of the cover roll-up drum.
- 6). Keep in mind that the track must always maintain the same angle as it lies across the deck surface. This only applies to the horizontal plane of the track as viewed from the end. If there are any spots that are at a lesser or greater angle than the rest of the track, these areas may have to be shimmed in order for the cover to operate.

Installation Manual for the EZ-Cover Top Track System

The installation of the EZ-Cover system is relatively easy when following the step by step instructions. We also suggest you watch the EZ-Cover video prior to installation.

After receiving your shipment, unpack and match the parts to the shipping list. The base unit will consist of 1 cover, tracks, 1 cover drum, 1 leading edge bar, 1 box containing the drive module, the end plates, one bag of hardware and the cover pump.

If the optional bench enclosure was purchased. See that manual specific to the bench.

The following tools will be required:

Cordless Drill

Hammer Drill and 1/4" masonry drill bit, 1/4 high speed steel bits.

Philips # 2 and # 3 screwdrivers (or driver bits)

Hacksaw / chop saw (to cut track if needed)

A small flat file & round de-burring tool

Utility knife

A lighter

3/8" wrench or socket

1/2" wrench or socket

7/16" wrench or socket



To organize your work area, set the drive unit at the designated installation position

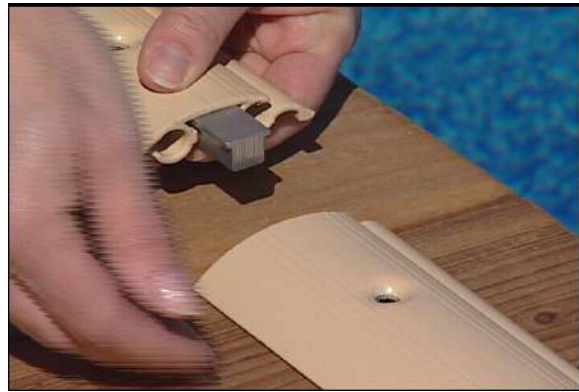


Installation
Track Splice Connectors

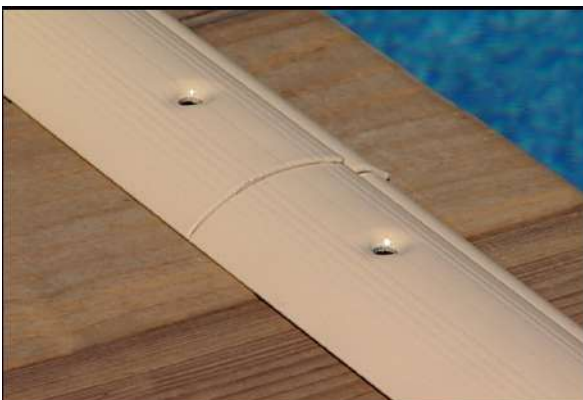
of the



In the parts bag locate the "T" shaped splice connectors. These will be used to align the tracks.



With the top of the "T" facing up, place the track splice connector into the middle of the groove.



It is important to leave a 1/8" gap between the two tracks to allow for thermal expansion.

Track Layout for Installation (track length measurements)

Next, you will need to determine the track length based on your order.



Start at the drive unit end with no more than a 2' set back from water's edge.



The track should have a 1' overlap past the water's edge at the closing end of the pool.



With the track length measurement determined,



Using the hacksaw, squarely cut the track on the closing end of the pool.



De-bur the channels of both sides of the track.



File down all sharp edges on the track until smooth to touch. (Very Important).

With both sides of the track cut to the same length, re-measure to ensure they are both cut to the same length and are in accordance to your order form. (If possible have someone help you with this step to ensure proper spacing).

Track Layout for Installation (track width measurements)



The track width measurements are taken from the recessed groove in the track.



The 1st measurement is at the drive end.



The 2nd measurement is in the middle.



The 3rd measurement is at the closing end of the pool.

After determining the width measurements are correct, mark their location in case of movement.

Track Layout for Installation (diagonal measurements)

The last measurement is a very important measurement. You need to measure the tracks diagonally.



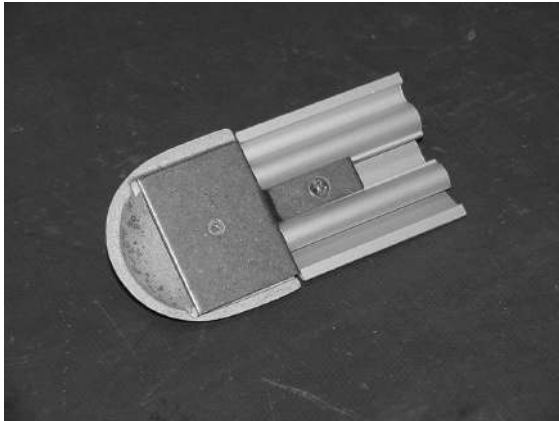
Take two sets of measurements from the opposing corners. These measurements must be the same. (If possible have someone help you with this procedure).



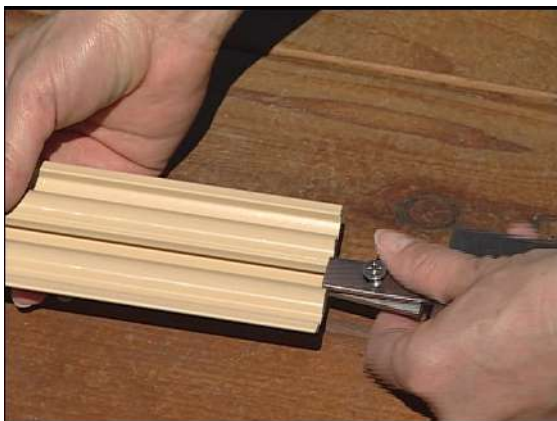
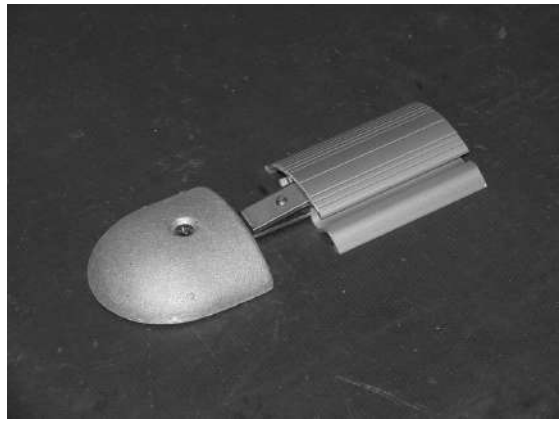
Adjust accordingly to reach the same measurement. It is crucial that your tracks are square, otherwise your system will not function as designed.

Installation of the End Pulley Retainers

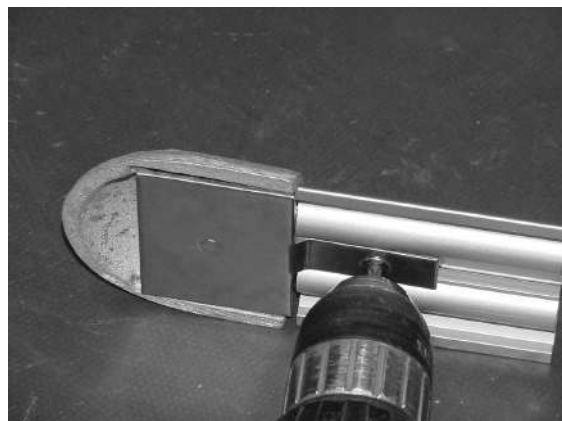
In the parts bag, locate the two end pulley retainers.



Loosen the screw attached to the steel tab of the tongue.



Separate them and insert the tab into the center portion of the track.



Tighten the screw on the steel tab.

Mounting the Track to the Cover Drum Supports



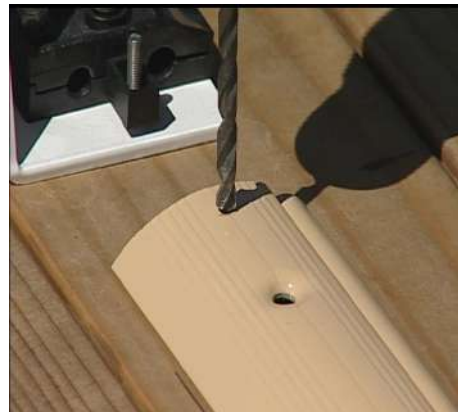
Measure 3/8" from end of track.



Mark the track with a pencil.



Remove the top of the track guide



Drill a 1/4" hole into the track.



Push the track down over the stud.



Reinstall the top half of the track guide and tighten down with the 3/8" nylox nut.

Mounting the Cover Drum Supports



Secure back of the cover drum support with a screw.



Secure front of the cover drum support with a screw.



Using a 7/16 socket or wrench, loosen the two bolts to remove the top half of the white delrin shaft retaining blocks. Follow this procedure for the opposite side.



Place the shaft of each end of the drum into the U shaped section of the lower block.

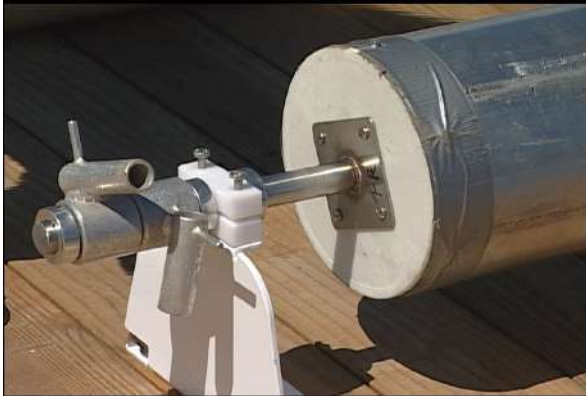


Re-secure the top half of the retaining block with the two 7/16" bolts.

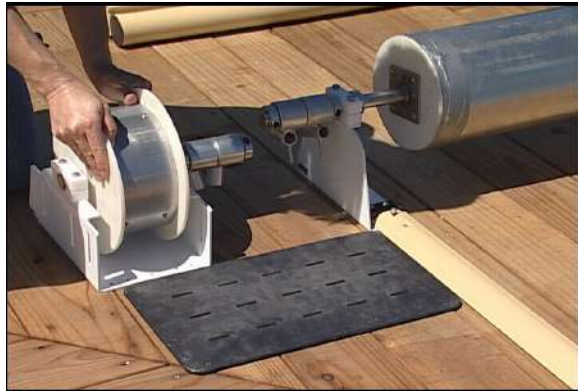


Tighten only to a snug fit, making sure the drum can still turn freely.

Mounting of the Independent Rope Reel Module



Drive Unit side



To position the independent rope reel module, use a framing square or other squaring device.



Leave a slight gap in between the sockets as shown above.



Firmly secure the independent rope reel module to the deck using all available holes.



Place the cover behind the cover drum and unroll. The matte finish is on the top of the cover.

Unwrap the ropes behind the cover to avoid tangling.

Installation of the Rope into the Track



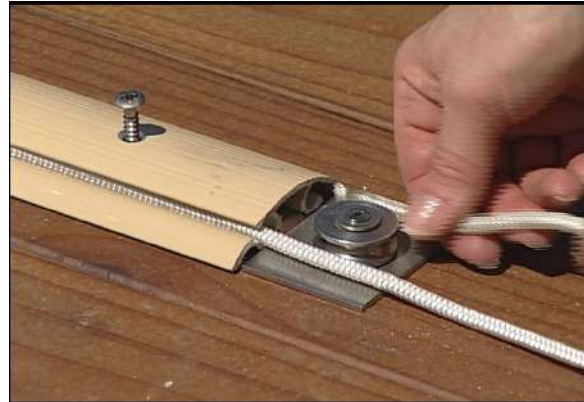
To feed the rope into the track, position the rope at an angle across the track opening.



While simultaneously exerting some pressure and applying a sharp tug, the ropes should pop into place.



Evenly pull all of the rope until it is all out of the opposite end of the track.



To pull the rope through the rear channel of the track back to the drive unit, apply the technique as before. When you reach tracks joints in the middle of the pool, lift up the tracks slightly to ensure the rope pulls through smoothly. Finish pulling the rope through the track to the drive unit while pulling the rope out the end of the track.



Prior to installing the protective end cap, make sure the rope is properly seated around the end of track pulley. Repeat procedure for other side; once done, secure the track with the rest of the screws.

Installation of the Leading Edge Bar



Hand feed the black delrin sliders about 6 to 12 inches into the track on both sides.



Guide the Leading Edge bar onto the bead at the front end of the cover. (A silicone lubricant in the receiver bead will sometimes aid in this procedure).



Once the Leading Edge Bar has been threaded on all the way, mount the Leading Edge bar to the black sliders.



Using the two 5/16 bolts and nylox nuts, insert bolts and washers through bottom of the slider, with the nut on top.



Tighten all the way, backing off slightly to allow the bar to move freely from side to side. (This will prevent binding of the Leading Edge Bar).



Leaving about 2" of bead protruding past the Leading Edge Bar, secure the bead with the 2 pan head screws provided.

Installation of the Top Track Guide



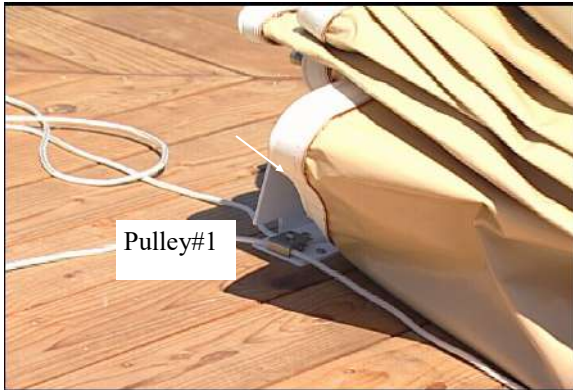
Reattach the top half of the Top Track Guide using the a 3/8" wrench or a socket.



Install and tighten a hex nut on the last track hole.

Installation of the Ropes

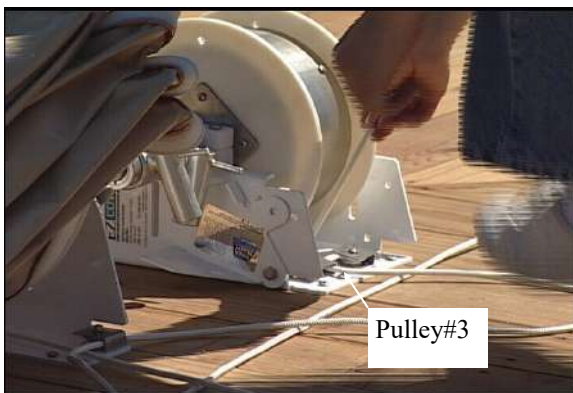
To run the ropes, you may need to lay the cover on top of the cover drum.



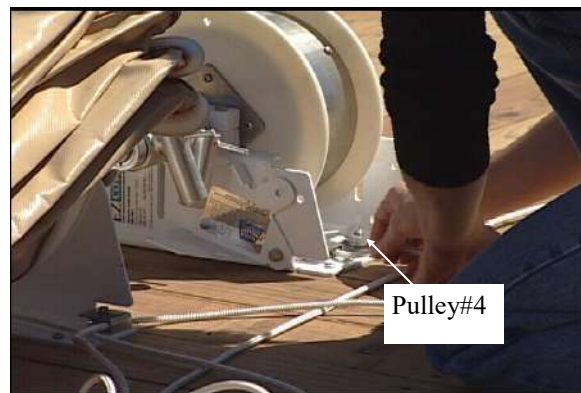
Beginning on the non drive end, run the rope around pulley # 1 towards the rope reel.



On the opposite side of the track, run the rope around pulley # 2 in the same manner.



Once the rope is around pulley # 2, run the rope to pulley # 3 and feed under the independent rope reel.



Now take the rope from pulley # 1 and feed the rope under pulley # 4.



Installation of the rope onto the independent rope reel



Pull both ropes down the sides of the pool, making sure there are no knots.



With the ropes laid out, cut the longer rope the same length as the shorter one.



You will need to melt the end of the rope to prevent fraying.



Walk the rope back to the take up reel, and push the end of the rope through the holes in the rope spool. You then need to make a small knot for both pieces of rope.



Once you have pushed the rope through and knotted the rope on both sides, you need to hand feed the rope onto the take up reel.

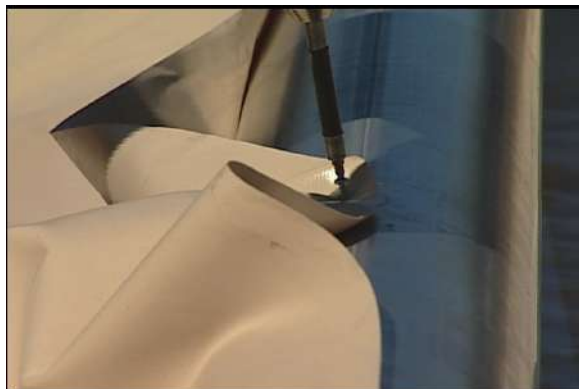


You are now ready to extend the pool cover. Insert the two poles into the sockets of the rope reels, and alternately move the poles back and forth until the cover is all the way across the pool.

Installation of the fabric onto the Cover Drum



At this time, you attach the cover to the drum, using the smallest stainless steel Philips pan head screws. Starting at the outside edge, insert the first screw through the cover, leaving the webbing to hang over the drum edge about 1". Repeat this procedure on the other side of the drum.



After securing the cover to both ends of the Leading Edge bar, find the exact center, gather the fabric up and attach it to the apex of the fold.



Working your way down the drum, pull the cover tight and insert screws into each hole until you reach the final two. You need to divide the slack with two equal pleats and attach as before. Repeat this procedure for the other side of the cover drum. Roll up the additional cover material on the cover drum.



To open the cover completely, insert the poles into the two sockets and alternately move the poles back and forth.

Congratulations, Installation of your EZ-cover is complete.