

SOLAR ROLLER® INSTALLATION

ATTENTION: Read entire instructions before starting assembly.

INSTALL NEW SOLAR COVER

If you have not already installed your cover follow these guidelines.

LAY OUT COVER: To install a **solar blanket**, simply layout the rectangular blanket over the entire surface or the pool. Smooth out the blanket to remove all ripples and let it set for a while.

SMOOTH OUT COVER: Then pull the cover semi-taught along the entire pool edge so the cover is about 45 degrees off the water to the pool edge.

CUT COVER: You are now going to cut the cover like a cookie-cutter using the inside of the pool edge as a guide. So taking a sharp cutting tool, cut along the pool edge and let the cover fall just up against the inside of the pool, yet trimmed enough so the cover does not lay against the pool edge. The objective is to match the cover to the exact surface dimensions of the water and not drag against the pool edge when rolling the cover.

WARNING: Be extremely careful not to cut the liner of the above-ground and vinyl lined pools.

PREPARE SPLIT COVER

FINAL TRIM: After cutting cover to the size of your pool, trim away any excess cover touching the wall or the cover will be impossible to roll on the water.

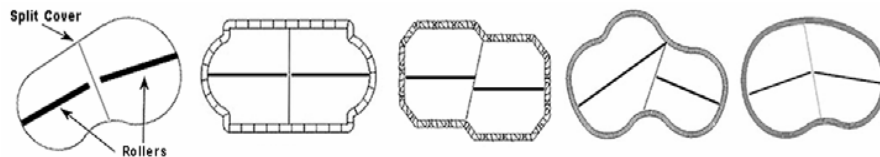


Figure 1

DETERMINE SPLIT: For Odd-Shape pools, picture pool as TWO INDEPENDENT SHAPES split at the BOTTLENECK. For OVAL or RECTANGULAR pools, split the cover in the middle. For ALL pools, one cover section cannot exceed 20ft wide or 20ft long (max 20x20ft). Each section will have a roller attached to the underside. Carefully determine roller placement as the widest midway point across each section before splitting the cover. Always find the outside of a curve to crank from or cover will engulf crank as you roll the cover. Each pool is different. See Figure 1 above examples and additional "Placement Ideas" at our website webpage www.solarfactory.com/placement.html for more help.

WARNING: Do not lay cover on the lawn or you will burn the grass.

SPLIT COVER: Using 2 people across the pool from each other, reach into the pool where you want to split the cover, grab the edge of cover, lift and walk (drape) the cover to the end of the pool. Lay folded edge on deck where you can make the cut along the fold. The straighter the cut the better, so take aim.

FOLD SPLIT SECTIONS IN HALF: Each cover "section" should now be folded in half as close as possible depending on the shape you are working with. Rollers will be placed at the folds in the next step.

ASSEMBLE ROLLERS

INSTALL TUBE COLLARS: See back page for location of each end collar. To install, place collar over tube and tap on collar on ground to force onto tube. **WARNING:** do not try to force collar with your hand.

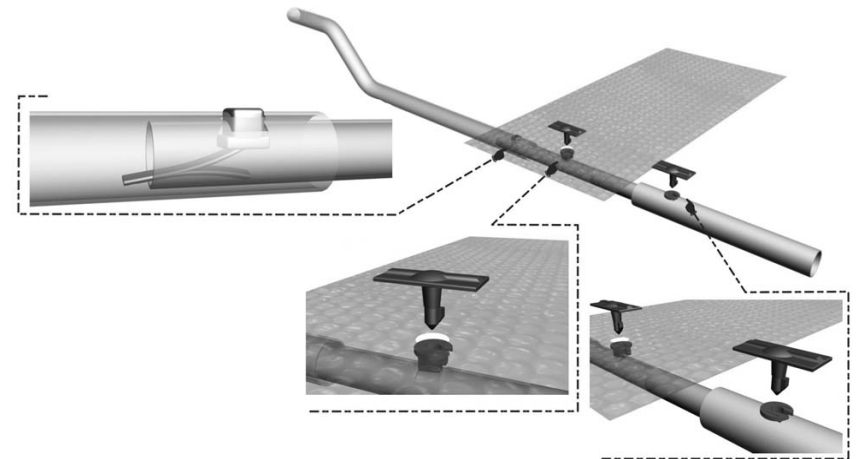


Figure 2

INSERT SPRING BUTTONS: The removable crank attaches to the SMALL tube, so start with the small diameter 2 hole tube and insert the spring button for the removable crank into the first of the two holes. Next install a bushing into the second hole to receive the fastener for attaching the cover below.

ROLLER LENGTH CHART: Use the length chart INSERTED PAGE to help determine the best tube assembly for desired length. Maximum assembled length is a just short of 20ft and does not need to completely span the cover to work properly. Small end tube has 4 positions for adjustment. Connect tubes by lining up common holes as show in Figure 3 and in the length chart. Insert small square bushings (slit in tube direction) into hole to inter-lock tubes. Progressively interconnect the next larger or smaller tube, building the best length to the width of your pool according to length chart.

INSTALL ROLLERS

INSERT ROLLER: Having previously folded cover sections in half, slip each assembled roller up into the inside fold of the cover (bubbles of cover should be inside). **NOTE:** Crank handle end of the roller must be INSET 1 INCH from solar cover edge, no more, no less. This will ensure you can get to the button to detach the crank when cover is rolled. Do not allow tubes to extend beyond ends of cover.

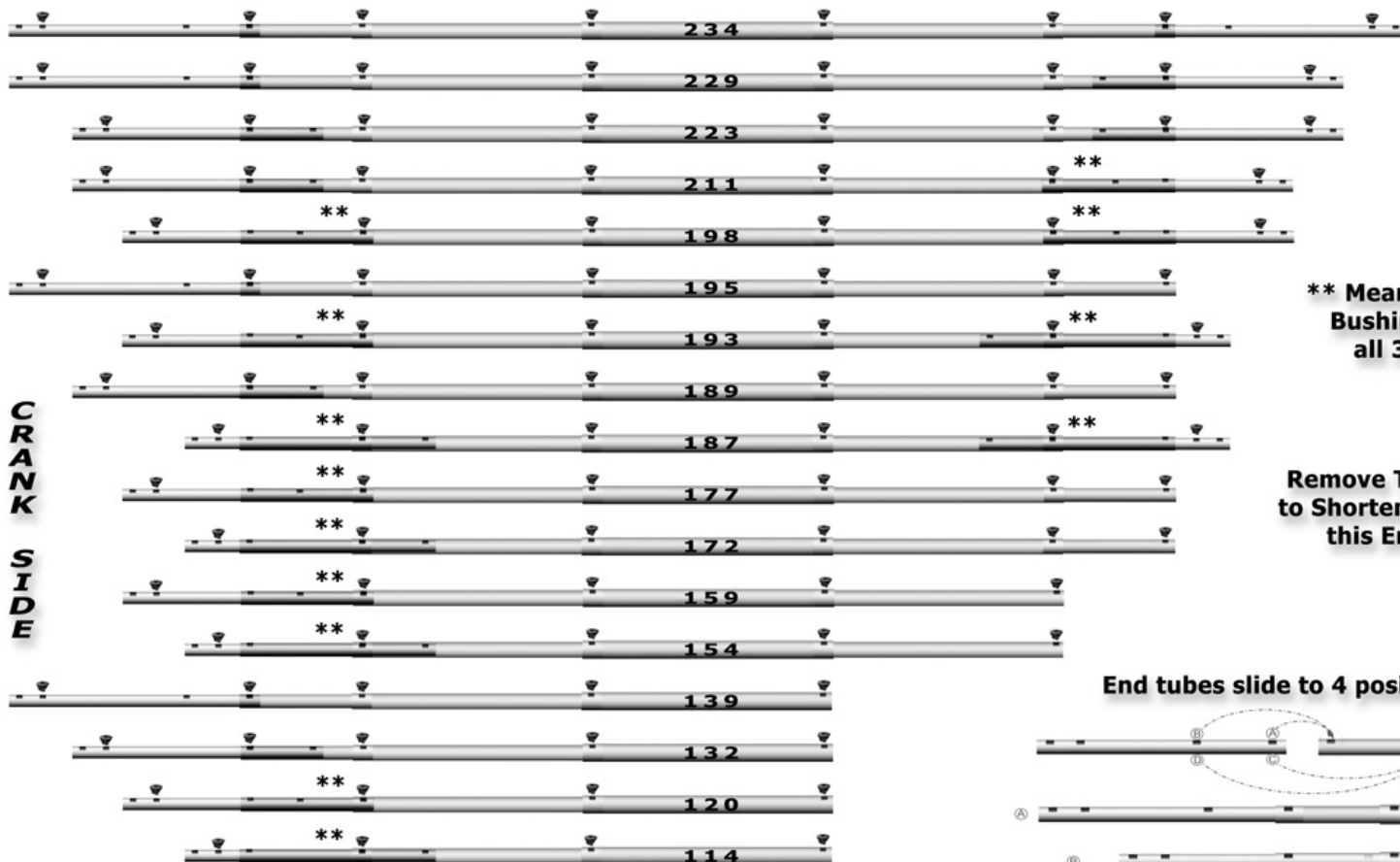
SMOOTH FOLD: Smooth out the cover along the roller so there are no wrinkles to ensure the cover lays flat on the water. **NOTE:** Roller must be perpendicular (90 degrees, not angled) to tangent edge of the cover or cover will bury crank during rolling. If sides of folded cover line up, then you are perpendicular.

INSERT FASTENERS: Next, insert the fasteners penetrating the cover into the bushing. Use the final end hole at far end of assembled roller to fasten far edge of cover with a bushing and fastener as you did with the second hole by the crank. Tapered lock fasteners are designed to **turn 180 degrees** to expand bushing and **lock**. Feel the click as they lock into place but don't over twist and break fastener shaft.

LIMITATIONS

1. **CRANK GENTLY:** Do not over-crank. Build rolling momentum.
2. **DRAIN COMPLETELY:** Before removing and carrying the rolled cover, always allow the heavy water to completely drain from the end of the roll or you can bend tubes. The roll should weight 30 lbs or less. A heavy roll means trapped water inside, so let the water drain for a minute first before lifting.
3. **DO NOT CARRY LIKE A SUITCASE:** Balance the load in your hands at shoulder width or use our optional **SOLAR CADDY™ ACCESSORY** which includes **two protective storage covers** and straps.

TUBE LENGTH ASSEMBLY CHART



**C
R
A
N
K

S
I
D
E**

**** Means Single
Bushing Locks
all 3 tubes**

**Remove Tubes
to Shorten from
this End**

End tubes slide to 4 positions

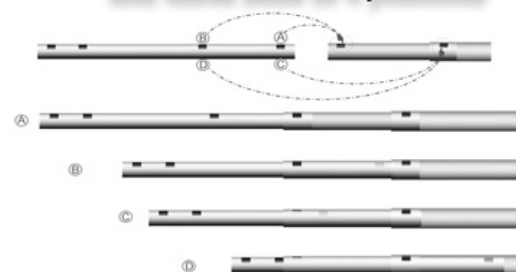


Chart not to scale

Measurements in inches