

INSTRUCTIONS FOR INSTALLATION AND CARE OF THE CABLE ANCHOR AMERI-DOME

BEFORE attempting to install the dome, check all cartons carefully to insure that they have not been damaged in shipment. If any damage is indicated, do not attempt to install the dome until the freight carrier has been notified and allowed to inspect the shipment. IT IS NOT necessary to unpack dome until anchors have been set! See the following:

NOTICE: It is important that, at no time when you are installing or removing the dome, to allow the dome to be “dragged” or “scraped” across the concrete deck. Always lift the dome even when it only has to be moved a short distance. This will avoid “burning” the bottom layer of vinyl.

1. Clear the pool area of all obstructions (including the diving board, ladder(s), etc.) if the dome was not ordered to accommodate them.

2. Snap a chalk line to the exact configuration of the dome ordered. In the case of a rectangular dome, corner layouts for 2' and 4' radius corners are attached to these instructions. In the case of a custom shaped dome, the chalk lines should be snapped to the exact configuration of the drawing submitted to the factory, and which is included in your instruction packet.

3. BEFORE SETTING ANY ANCHORS, mark the exact location of the zipper entry(s) AND the exact location of the close-off in the anchor hem on the deck!! Refer to the drawing on the outside of the dome box for this information or on the dome layout sheet which is included with these installation instructions. Move 18” either side of these marks and set an anchor on the chalk line. This will center the zipper(s) and the close-off between anchors. This is critical for proper dome operation.

4. **SETTING ANCHORS:**

A. Rectangular Domes: Move either 2' or 4' away from the 90 degree intersection point of the corners depending on whether the dome was ordered with 2' or 4' radius corners, and begin setting anchors along the chalk line. Anchors should be placed as close to 3'-0” centers as possible and the distance between anchors should not exceed 3'-0”. Actual distance between anchors will be determined by the length and width of the dome. Refer to the attached layout sheets for the placement of corner anchors. You may set all anchors with the exception of one corner anchor. OMIT one of the corner anchors opposite the zipper and do not install until the dome has been spread and clipped into the eyebolts. This will allow you to adjust the final corner anchor to the actual dome and compensate for the minor variation in the dome's base perimeter.

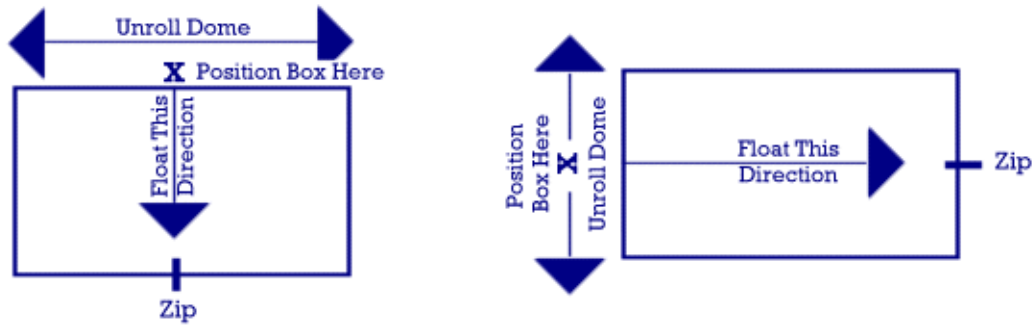
B. Custom Shaped Domes: Follow the same basic procedure as outlined in item "A" above with the following exceptions:

1. Move three feet away from the intersection points of all chalk lines to set the first anchor.

2. Do not attempt to set any corner anchors. Set anchors on straight runs only maintaining even spacing between anchors (plus or minus 3') as possible. Again, refer to the enclosed anchor layout sheet for the correct anchor spacing for your dome. You may need to move an anchor 2 to 3 inches one way or another due to expansion joints in decks, etc., but follow the anchor layout guide as closely as possible.

THE LAYOUT HAS NOW BEEN COMPLETED AND MOST ANCHORS HAVE BEEN SET. IT IS NOW TIME TO SPREAD THE DOME.

1. Instructions for the initial positioning of the dome will be drawn on the top of the box with an arrow pointing toward either one end, or one side. Position the box as shown on the drawing with the arrow pointing toward the opposite side, or end of the pool. See Below:



2. Remove the lid from the box.
3. Lifting from one end of the box, turn the box upside down so that the bottom of the box is facing the sky. Remove the bottom of the box and any other packaging from the dome.
4. Roll the dome back over so that it is in its original position when it was inside the box. Note that you have not lifted the dome, just rolled it.
5. Unroll the dome both directions to its full length or width. At this point, you will have one long strip extending across the end, or side of the pool.
6. Two people are required to spread the dome over the pool. Locate the opposite end corners (which will be lying on top of each end of the unfolded strip). The dome is accordion folded. Therefore, one person should grasp each corner and pull it tandem with the second person toward the opposite end of the pool, thus floating the dome completely across the pool. Care should be exercised to keep water from getting on top of the dome. If the clear wall is left folded in, you can “flip” the clear material to trap air inside. This makes it easy to float the dome without its taking on water. While spreading the dome, keep looking back to see that edges of the dome remain up on the decking. This, to avoid snags as well as making sure the dome is not taking on water. **DO NOT** unfold the side walls of the dome after it has been spread. Leave the dome walls neatly folded in so that you can easily define the configuration of the top of the dome.
7. Once floated across the top of the pool, align the dome as closely as possible to the anchor lines. This alignment is easier if the walls have (again) been left folded in and aligning the top of the dome to the anchor lines. **ON CUSTOM SHAPED DOMES**, align the top of the dome (walls folded in) to the anchor lines at each corner! Mark the center of the radius that has been cut on the dome on the concrete, flip the dome back and set an anchor at that point. Again, mark but do not set one of the anchors as noted previously. If you have a corner that is close to 90 degrees, omit the anchor in that corner.
8. Once the dome is positioned as closely as possible to the anchor lines, go around the edge of the dome and fold it back neatly about two feet away from the anchor lines. **IT IS NOW TIME TO INSTALL THE EYEBOLTS.**
9. Run the nuts all the way “up” on the threads of the eyebolts.
10. Coat the threads of the Eyebolts with AQUA LUBE, ANCHOR LUBE, or a comparable lubricant prior to screwing into the anchors. Screw the eyebolts in until they are “handy”, then back them off until the open part of the “eye” is facing away from the pool. Run the nut down and tighten to lock the eyebolt in place. This will keep the chlorinated water away from the threads. Insert all eyebolts in this manner.

11. Place the blade of a large screwdriver at the area on the eyebolt where the end of the circular loop wraps back to the shaft of the bolt.

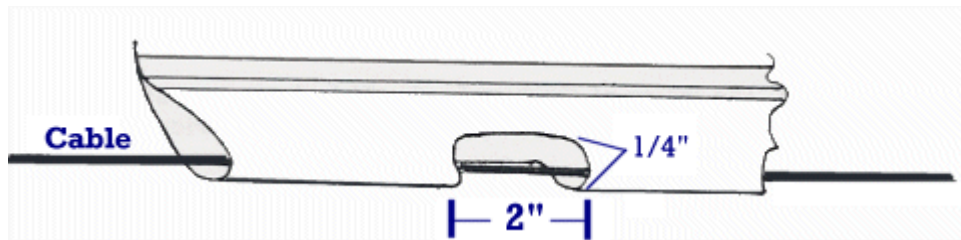


Tap the top of the screwdriver with a hammer into this slot and force the "eye" to open about 1/4".

12. Now flip the dome walls out all the way around and align the cable anchor hem as closely as possible to the eyebolts. Flip the flap attached to the anchor hem (the air seal) so it lays out as flatly as possible against the deck inside the dome. Taking care to get the flap straight and flat at this time reduces inflation time.

13. AT THIS TIME, position the blower (see page entitled BLOWER INSTRUCTIONS and the COLOR PHOTOS included herein) approx. 18" away from the dome with the air duct and sheet metal sleeve under the cable and flap at the desired location and centered between anchors. Arrange the flap over the air duct so that, when activated, air can get inside the dome.

14. Center the zipper on the mark laid out in step 3, page one. Also, position the "Close Off" in the anchor hem on its mark. Use these two points as "Key Points" in your overall alignment. Move 18" to the right and make a cut-out in the hem (see below) and clip the cable into the corresponding eyebolt. NOTE: the cut-outs in the hem should have rounded corners as shown to prevent shearing of the material when the dome is under stress. If the opening of the eyebolt is too large tap it closed with a hammer until the opening is such that you can "snap" the cable in and out of the "eye". This will keep the cable from falling out of the "eye" when the dome is deflated, yet allow you to snap the cable from the "eye" when removing the dome.



Using a set of vice grips, clip the cable and the cable housing to the eyebolt. This will allow you to pull against the cable and hem and draw them taut as you make additional cut-outs in the hem.

15. Continue working to your right pulling the slack out of the cable and hem, centering cut-outs on eyebolts and clipping the cable in until you reach the corner where the anchor has been omitted. Re-position the vice grips each time you round a corner so you are pulling directly against the vice grips. **STOP** at the corner where the anchor has been omitted.

16. Move back to the zipper and work in the opposite direction in the manner described above until you again reach the corner with no anchor. Done properly, the close off in the hem should fall pretty much centered between anchors. Pull the slack out of the anchor hem and set the final anchor to the hem, insert the eyebolt and clip the cable in.

17. Make a pass around the dome and pull the cable as tightly as possible from both directions to the close off. Clamp on the two cable splicers tightly. It is not necessary to cut the extra cable. Just insert it into the hem so it is out of the way. You may need it at a later date. Please use both cable splicers provided.
18. Plug in the blower and begin inflating the dome. If the blower fails to operate, check the on/off switch. The blower has a pressure switch wired directly to the motor. Please refer to the enclosed instructions pertaining to the blower itself and the separate page regarding the pressure switch.
19. Once the dome is inflated, go inside and straighten out the air lock flap so that it is lying neatly against the concrete deck. Make folds in the flap in the corners so that air loss is minimized.
20. With the flap in its final position make an incision about 4" away from the outer edge of the flap, parallel to the edge of the flap and the same distance as the width of the air duct which is attached to the mouth of the blower. Fish the blower's snorkel tube through the incision so that the snorkel tube passes through the air lock flap, not totally beneath the air lock flap. Please refer to the page in these instructions entitled FINAL POSITIONING ... AIR DUCT TUBE FROM BLOWER TO INSIDE OF DOME. The idea in positioning the snorkel tube in this manner is that you want the air lock flap AND the blower snorkel tube to collapse together flat against the point where the sensor tube from the switch comes under the flap. This is to avoid any interference from the flap as far as getting full flow of air through the sensor tube.

YOUR INSTALLATION IS NOW COMPLETE. IF, AFTER REVIEWING AND FOLLOWING THESE INSTRUCTIONS, YOU HAVE QUESTIONS, FEEL FREE TO GIVE US A CALL.