

ALL LOCK DOWN BLEACHER SYSTEM™ ARE SECURED UNDERNEATH THE STAIR
WITH THE EXCEPTION OF SOME STAIR MODELS (SEE LIST IN ITEM # 5)
WHERE SOME PARTS ARE PACKAGED SEPARATELY.

STAIR INSTALLATION INSTRUCTIONS FOR STANDARD POOLS AND OEM LOCK
DOWN BLEACHER AND SUPPORT SYSTEM™ INSTALLATION
GUIDELINES

1. Place stair upside down on piece of cardboard or polyethylene to protect the stair surface from damage (scuffs, scratches, etc)
2. Pull “up” on the support posts, “locking” each post into the vertical position. See Figure #1. **NOTE: The molded shoes utilize a “one-time-use” locking tab to “lock” the support/leveling post in place during shipment and storage. Pulling up on the post/shoe assembly is designed for the locking tab to “break-away” from the molded shoe.**
3. Repeat step #2 on all support/leveling posts until they are all in the “up/vertical” position, as shown in Figure #2.
4. Using both hands, as illustrated in Figure #3, flip the shoe into the horizontal position.
CAUTION NOTE: KEEP FINGERS & HANDS CLEAR WHEN SNAPPING SHOE INTO PLACE. WATCH FOR PINCH POINT.



Figure #1 = pulling legs into position

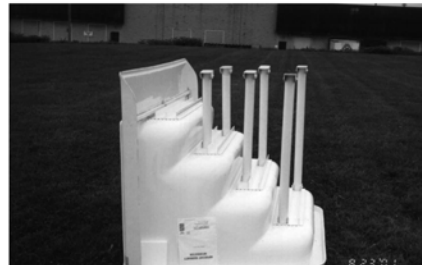


Figure #2 = all legs in position for installation.

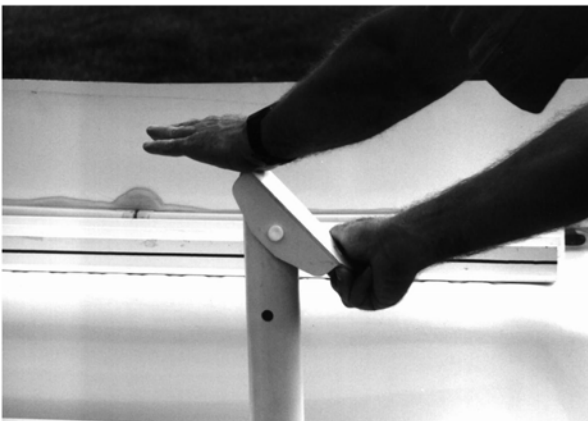


Figure #3 Shoe Deployment
*****CAUTION-PINCH POINT*****
Keep hands & fingers clear when snapping shoe into place.

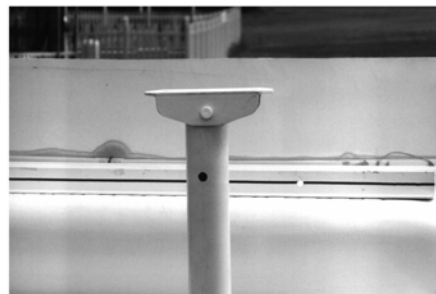


Figure #4 Shoe in horizontal position for stair installation.

5. **STAIR MODELS WITH ADDITIONAL HARDWARE:** 4' 3 tread straight, 6'3 tread straight & radius, ALL Cantilever, Swim Out, In Wall Seat, Corner stair, French Curve, and Roman stairs will have one or more posts requiring some additional assembly. For the preceding stairs:
 - a. Follow steps #2, 3, & 4.
 - b. Attach extra shoe/post assembly(s) to the rigidizing channel and/or extra shoe(s) to the support post(s) using the supplied nut(s) and bolt(s).
6. Turn stairs upright and place in construction area where space has been provided for the stair.
7. Place stair in stair opening between pool wall panels. (Figure 5)
8. With vise grips or "C" clamps, fasten stair flanges at top and bottom to wall panels making sure stair face is flush with the wall panel. **TREATMENT OF THE HEIGHT OF THE STAIR IN RELATION TO THE POOL WALL DEPENDS ON COPING STYLE.**
9. With stair and panels now properly aligned and clamped, drill holes in the stair flanges using the wall panel holes as a template for drilling. (Figure 6)
10. Bolt stair to pool panels before removing clamping devices. Recommended bolt size is 3/8" x 2" long for steel wall pools. For structural foam walls, use manufacturers supplied hardware.
11. To create your proper pitch for water runoff, tilt top and bottom of both pool wall panels, that are bolted to the stair, back for your desired pitch.



Figure 5



Figure 6



12. When leveling the stair, if the ground has been OVERDUG, you must shim the support shoe to achieve the correct level. (When concreting, you must fill in under the support shoe during the pour.)
13. If the ground has been UNDERDUG and is too high, you must dig out only under the support shoes to achieve the correct level.
14. Check the stair for pitch, plumb, and level before and after concrete collar is poured by using three (3) foot level.
15. NOW STAKE THE BOTTOM SUPPORT SHOE WITH REROD (recommended length is 12") through the holes on both sides of the support shoes.
16. CONCRETE: Before pouring the concrete collar around the pool and back of stairs, place several stakes in front of the stair so concrete will not push the bottom of the stair inward. Using this method will make sure the front bottom of the stair will be aligned properly.
17. CONCRETE: Insert re-rods (NOT SUPPLIED), into the pre-drilled hole on each leveling/support post prior to concrete pour. Pour concrete to completely cover and encapsulate each re-rod, support shoe and bottom portion of the support post. Depth of concrete collar should not exceed 12" depth around step and support posts
18. Final leveling of stair to take place AS the concrete is setting-up.
19. Allow ample time for concrete to set-up before backfill and use of stair.
20. Cantilever stairs must have sonotubes (or equivalent support device) set in place behind the back corners and center of the step to support the weight of the concrete deck. The tubes must be filled with concrete when the deck is poured.
21. BACKFILL: Backfill with dirt only. Backfill of rock or concrete will void warranty. Backfill should be level with the top of the wall panel.
22. CONCRETE DECK:
Stair Models with Coping knob: Pour concrete to within 1/16" of the top of the stair. Do not force or pack concrete underneath the top rim of the step.

Cantilever model steps: install coping or coping forms according to manufacturer instructions. Pour concrete to the top of the coping or form. Fill sonotubes with concrete. Do not force or pack concrete underneath the top rim of the step.

NOTE:

CONCRETE FORCED UNDER THE TOP RIM OF THE STEP WILL VOID WARRANTY

STAIR LINER/FACEPLATE INSTALLATION INSTRUCTIONS

1. Drop the pool liner according to standard procedure. Insert the liner bead in the bead receiver groove of the coping as close to the Stair Shell as possible.
2. Make certain the pool liner is pulled up as tightly as possible against the bottom of the Stair Shell. This is VERY IMPORTANT to assure a smooth, wrinkle-free stair installation. If necessary, use sand bags to help secure the position of the liner.

3. Seal off top of stair with plywood or material of your choice using duct tape or wet towels. (You can also use Quaker Plastic Stair Shield™ with bead hanger kit.) Attach a piece of coping or Quaker Top Mount Liner Lock to the plywood fixture (to be used over & over again), pulling liner up to the Top Mount Bead Receiver inserting liner bead into receiver. Use duct tape to seal off this area.
4. Vacuum should be used in shallow end of pool to pull liner into place.
5. Wait until the pool water is approximately 6" deep in the shallow end.
6. Secure both side face plates, followed by the bottom face plate. You may now turn off the vacuum and continue to fill the pool. The duct tape should now be removed at this time.
7. Cut out the liner to the "inside" of the face plates.
removed at this time.

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