PREMIUM 8"x 7" POOL SERIES
Round Pools

Installation Instructions

573-3590

Installation Instructions

HOW TO USE THESE INSTRUCTIONS

Be sure to read these instructions completely before beginning assembly or installation.

This installation sheet covers two sizes of oval pools. Use your pool parts list booklet and the exploded illustrations to identify your pool parts, then read these instructions and follow the assembly steps that pertain to your pool assembly.

The manufacturer (HII) cannot be responsible for damage caused by careless or improper assembly or installation. Your warranty is void if pool assembly and installation instructions are not followed exactly, or if the pool design is altered in any way.

Contracted Installation
The manufacturer (HII) is not affiliated with any professional pool installers and can assume no responsibility for installation mistakes made by the professional installer or the homeowner. If the pool is installed by others, please supervise and make sure the installation complies with proper installation techniques as shown.

Change of Design
The manufacturer (HII) expressly reserves the right to change or modify the design and construction of any product in due course of our manufacturing procedures, without incurring any obligation or liability to furnish or install such changes or modifications on products previously or subsequently sold.

CAUTIONS

1. Do not attempt to install pool wall on windy days. An unsupported pool wall can easily blow down and may cause damage to the pool frame, pool wall, or may cause personal injury.

2. When assembling your pool, keep parts not currently used in an area out of the way. Disassembled parts are easily tripped over and may be damaged or cause personal injury.

3. Do not attempt to lift heavy boxes by yourself. To reduce the possibility of personal injury, have someone help you move heavy boxes (pool wall, liner, etc.).

WARNINGS

1. Your pool must be level within 1" all around. An unlevel pool may cause excessive stress on pool frame. This may result in pool failure which could cause serious personal injury.

2. Your pool must be on undisturbed soil. Backfilled soil, sudden slopes within 6 feet, or water run off may undermine or cause pool foundation to shift. This could cause pool failure and may cause serious personal injury.

3. To reduce the risk of severe electrical shock, always have a qualified electrician install a ground fault circuit interrupter (G.F.C.I.). Always plug pool accessories into a G.F.C.I. protected receptacle.

4. Always install the Warning Decals and Warning Sign. The decals are designed to remind you, your friends and loved ones that your pool is to be used for swimming and wading only. Do not allow any form of horse play in or around the pool. Failure to follow this warning can lead to severe personal injury. Read the "Safety First" booklet.

5. Do not use common sand for pool cove. Common sand can easily erode and allow pool liner to rupture which may cause pool failure or personal injury.

6. Secure your pool when not in use. Ladders and gates should be secured to reduce the possibility of unauthorized entry and possible serious accidents.

7. Always repair liner leaks. Continued leakage between pool wall and liner may cause wall damage which eventually may result in pool wall failure. This could result in serious personal injury.

8. To reduce the risk of possible electrical shock, never install your pool under overhead wires.

9. Do not alter pool as pool failure may result and cause serious bodily injury. Your warranty is void if the pool is altered.

10. Do not bury pool or warranty is void.

11. Do not install a diving board, pool slide or any other recreational accessories for use in diving, sliding or jumping into your pool.

Local Codes

Check to see if building permits or utility clearances are required. Comply with safety codes regarding fencing and all electrical codes.

BEFORE YOU START

1. Check prevailing winds. The skimmer should be downwind to aid in removing pool surface debris.

2. Pump and filter location. Allow room to service your pool equipment.

3. Do not install your pool liner on top of anything abrasive. Installing your liner on top of abrasives such as concrete, asphalt, peat moss, tar paper, gravel, or wood could puncture your liner.

4. Do not install your pool liner on top of grass or tree roots. They may grow up through your liner.

5. Do not install your pool on soil that has recently been treated with **petroleum based chemicals.** Some soil treatment chemicals may destroy your pool liner. Consult your pool dealer.

6. Treat the ground inside the pool area with a **non-petroleum based** fungicide (available at garden supply shops). This may help prevent liner staining caused by fungus. Consult your pool dealer.

7. Rid pool area of burrowing pests and insects such as gophers and termites. They can cause liner damage.

8. Locate a convenient electrical outlet for filter and pump. Always have a qualified electrician install a ground fault circuit interrupter (See Warnings).

9. Check wall clearances. Be sure you have enough room to work around your pool (18" minimum).

10. Avoid overhanging eaves. Prevent water running off of roof and carrying debris into your pool.

11. Avoid overhanging branches. Prevent leaves and tree branches from falling into your pool.

12. Avoid sun reflection into residence in order to prevent glare into house.

13.Keep sprinklers away from pool to avoid pool damage.

14. Do not install pool under overhead wires (See Warnings).

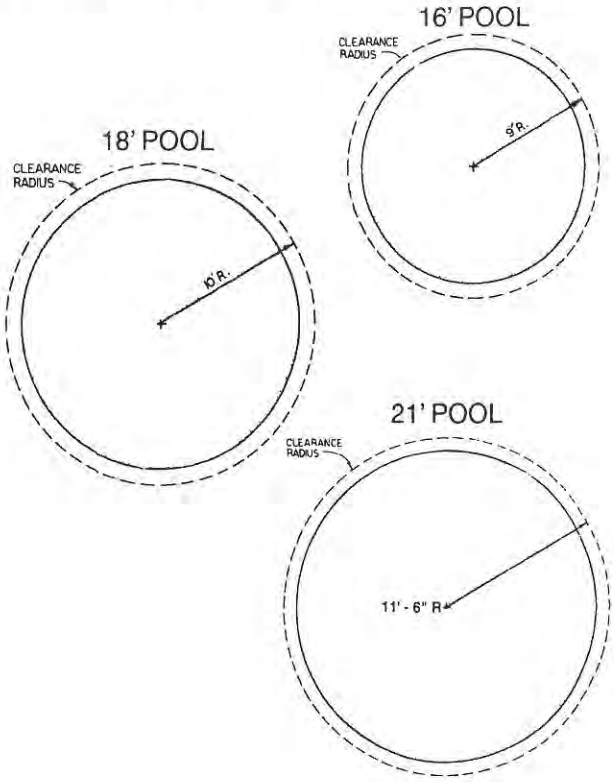
15. Be able to view children playing around pool. Secure your pool when not in use (See Warnings).

TOOLS AND MATERIALS:

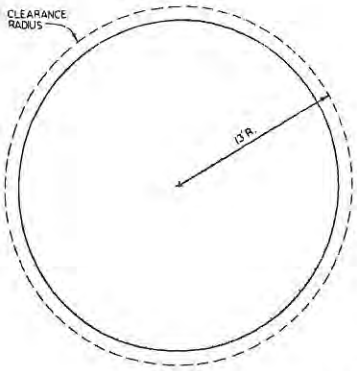
1. Non-Stretch Twine
2. Garden Rake
3. Nail -- 2-1/2" Long (12 Req'd)
4. 18" Long Wooden Stake
5. Duct Tape
6. 2" x 4" Board equal in length to the pool clearance radius plus 6 inches (See "Pool Layout Dimensions")
7. Sifting Screen (to remove 1/8" pebbles)
8. 2" x 12" x 12" Patio Blocks. One per Vertical (Optional)
9. Binder Clips - 1 1/4" - 2" (Available at stationary supply stores)
10. Carpenter's Level
11. Carpenter's Saw
12. Flat End Shovel
13. Screwdrivers (Standard)
14. 25' Tape Measure
15. Hammer
16. Tamping Tool or Roller
17. One or more 5/16" Nut Drivers
18. Sharp Knife or Razor Knife
19. Black Felt Marker
20. Transit (See Step 1)
21. Hacksaw
22. Drill/Bit

POOL LAYOUT DIMENSIONS

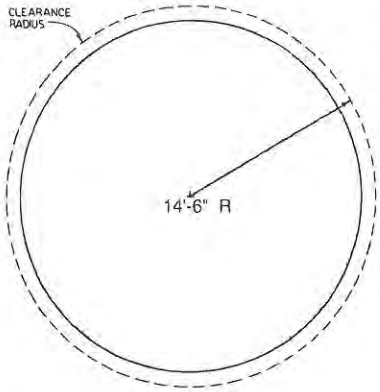
Study the following illustration of your pool size and familiarize yourself with the dimensions that will be used for your pool layout.



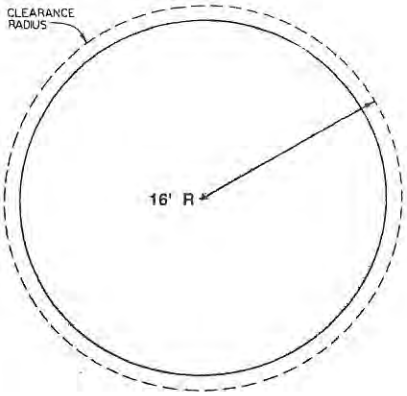
24' POOL



27' POOL

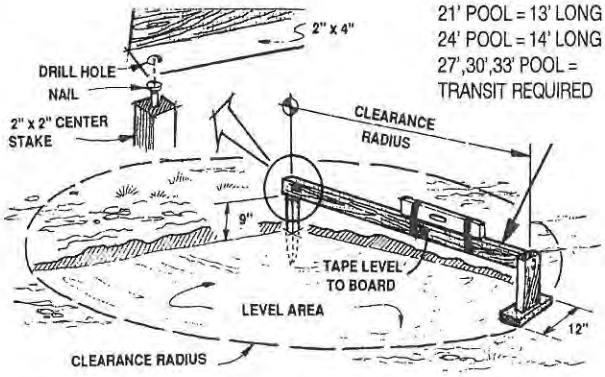


30' POOL



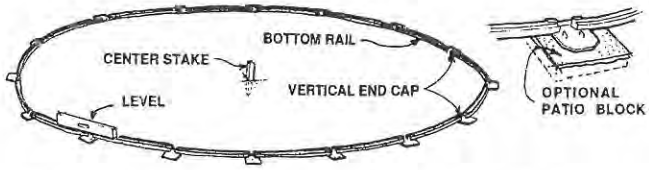
Step 1...

2" x 4" BOARD
16' POOL = 10' LONG
18' POOL = 12' LONG
21' POOL = 13' LONG
24' POOL = 14' LONG
27',30',33' POOL = TRANSIT REQUIRED



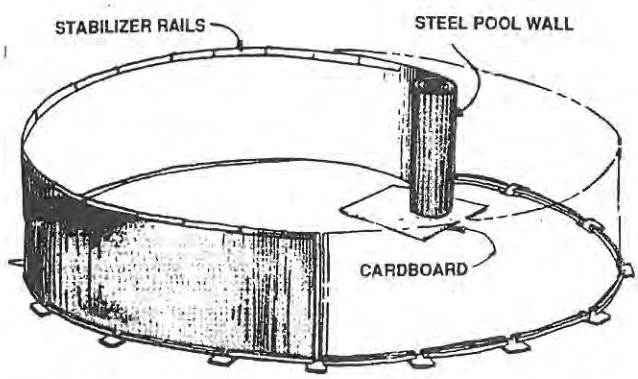
Refer to POOL LAYOUT DIMENSIONS for your pool diameter. Drive stake into ground at pool center. With a shovel and the constructed depth leveling tool shown above, remove sod and level pool area. Level to the lowest spot within circle. **Remove high points - do not fill in low spots. Ground must always be firm.** Be sure pool area is free of stones, sticks, roots and other objects that could puncture liner. Remember: The entire assembled pool framework must sit on flat ground within 1 inch of level at opposite sides. Spend additional time now to avoid disassembly later.

Step 2...



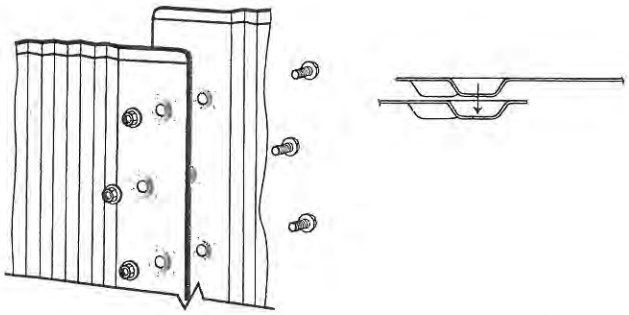
Mark out pool radius, (1/2 pool diameter). Construct bottom framework. Form a circle by sliding bottom rails (groove up) into vertical end caps. Confirm roundness by measuring out to framework from center stake. Confirm levelness by placing level on top of bottom rails. Check around the circle to be sure ground is flat within 1 inch of level at opposite sides. **Patio Block Installation (Optional but recommended):** Center 12" x 12" x 2" patio blocks under vertical end caps and mark their positions with a stick. Move bottom framework out of your way in sections. Turn patio blocks out next to their marked positions and dig soil in the marked locations away to the depth of the patio block. Patio blocks must sit in solid, undisturbed earth, be flush with the ground, and have no movement when turned back into place. Use leveling tools and/or transit to make sure each block is level and that all blocks are level to each other. NOTE: If you plan to use sifted earth for pool cove bring it in to pool area at this time. Reinstall framework. Check again for roundness, and to see that vertical end caps are centered on patio blocks. Remove all stakes. NOTE: If you will be installing a maindrain, refer to those instructions BEFORE installing pool sidewall.

Step 3...



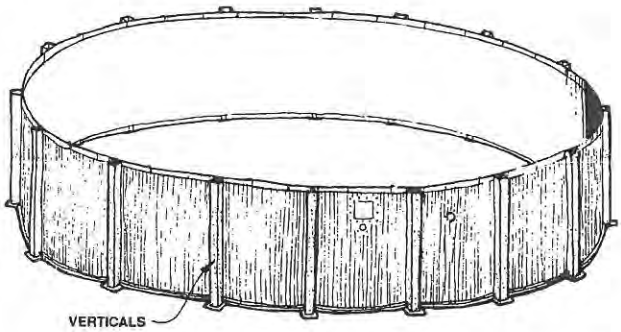
Remove pool wall from carton. **Note "Up Arrow" on wall.** Keep hands and feet from under wall during construction. Determine starting point, start wall end at center of vertical end cap. The skimmer openings will be at the inside end of the wall coil. To aid skimmer, position skimmer opening downwind of prevailing winds. Uncoil about 6 to 10 feet of wall and insert bottom edge into groove on bottom rails. Place stabilizer rails on top edge of pool wall, working around top of pool as wall is inserted into bottom rails. Telescope small diameter rail into large diameter rail about 6 inches. Secure stabilizer rails to wall with duct tape between vertical end caps. Bring wall ends together in center of starting vertical end cap.

Step 4...



If interlocking wall ends do not meet, adjust all vertical end caps in or out uniformly as required. Do not make the total adjustment with only one or two vertical end caps. Fasten wall with screws supplied in wall carton. Screw head must be on the inside of pool. When finished, go back and retighten all screws and nuts. Remove any burrs on all screw heads. Place protective vinyl strip, included in hardware pack, over screw heads and tape in place.

Step 5...

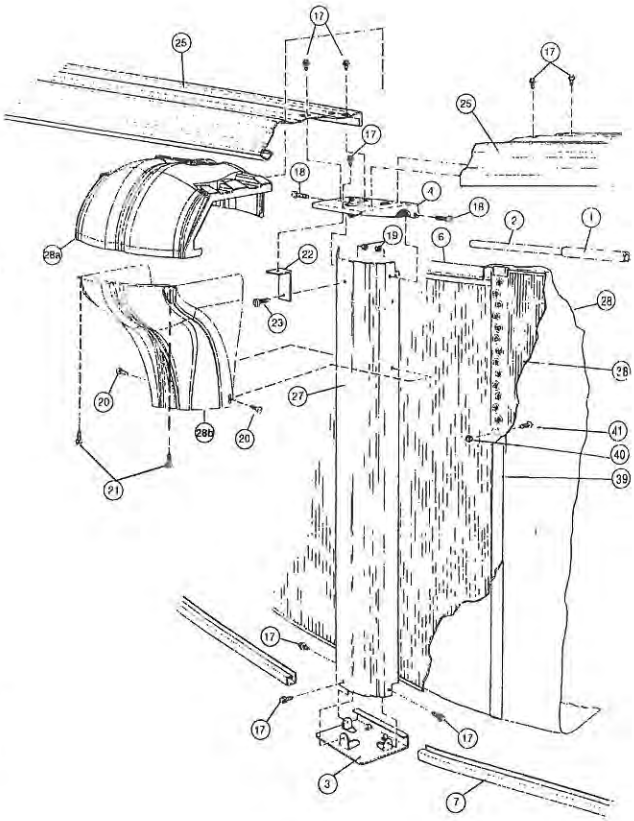


Carefully follow details shown below to assemble verticals to pool, use exploded view for your pool. Use all necessary hardware. Refer to parts list for correct screw locations. Check pool for roundness by measuring across the pool from side to side. Pool diameter should be the same from point to point.

Step 6...

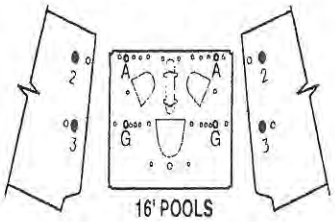
Carefully follow exploded view to attach verticals to vertical end caps. Check for roundness. Check for straightness of verticals using level tool.

Fig. A Exploded view

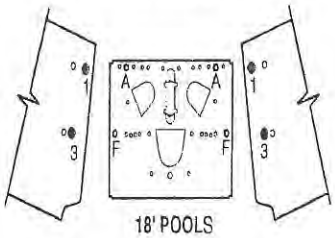


Step 7...
Install Top Rails

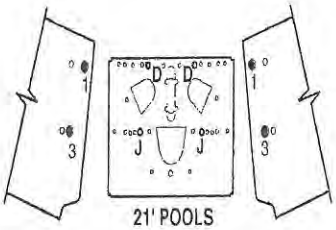
Four #10 x 1/2" screws attach top rails to each end cap. Insert screws through the proper hole in top rail and into proper hole on end cap. From chart, select proper holes (stamped on rails and end caps). HINT: Use felt pen to mark all proper holes before attaching.



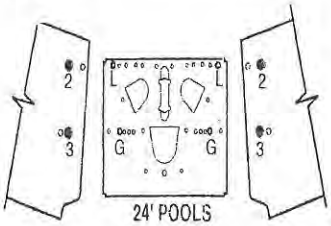
16' POOLS



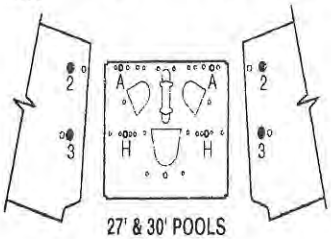
18' POOLS



21' POOLS



24' POOLS



27' & 30' POOLS

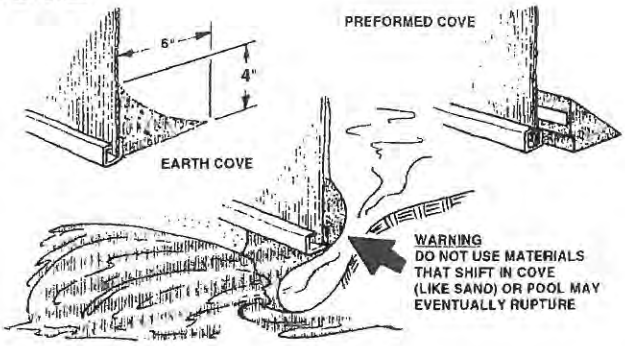
Step 8...

ATTACH TOP CONNECTORS

Attach top connectors to pool. Attach inner connector first. Outer connector slides over inner connector. Secure with screws as shown in detail in Fig. A.

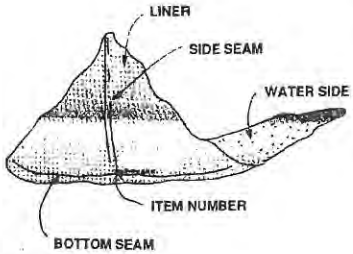
Step 9...

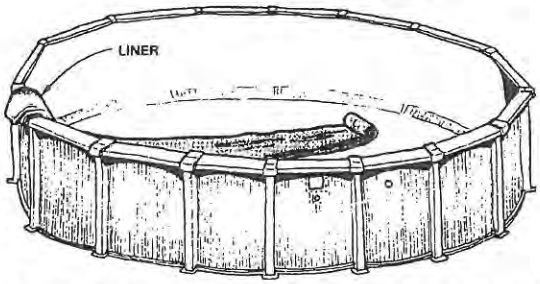
COVE



Important Step: The cove is a vital structural element that prevents water pressure from forcing the pool liner out under the bottom rail. The manufacturer will not assume responsibility should the cove be omitted. EARTH COVE: Use screened damp earth to form a cove around the inside base of pool wall. Shape and compact firmly. PRE-FORMED: Specifically designed pre-formed pool cove is available from your dealer. Follow cove manufacturer's instructions. **Recheck pool for roundness after installing cove.**

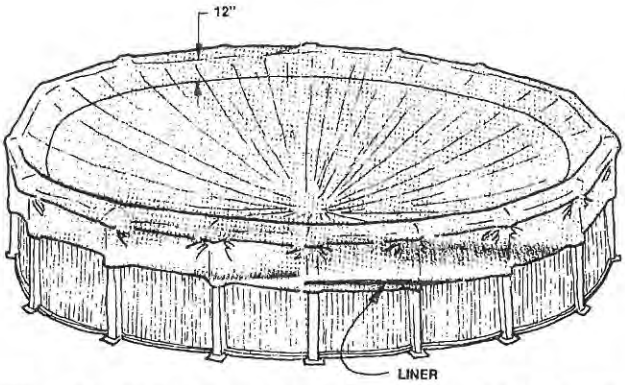
Step 10...





Check the pool floor (area inside pool wall) for levelness. Fill in all slight depressions with sifted earth and tamp. Remove all stones and sharp objects. Fill in all footprints on pool floor. Place liner on top of top rail. The liner should have the loose end overhanging the outside of pool by about 12 inches. Hold end and unfold liner down middle of pool. Do not place liner seam over skimmer or return opening. The center seam of the liner must be positioned at the center line of the pool on 24-foot round pools. For 16 and 18-foot round pools, position the center liner section (not the seam) at the center line of the pool.
NOTE: The embossed side of the liner will be the water side.

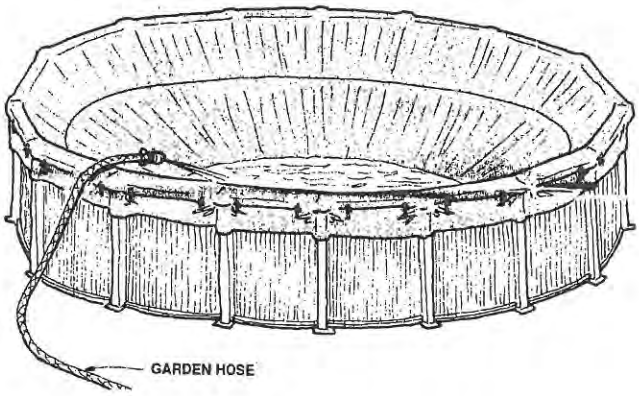
Step 11...



Work in both directions from the point where the liner is overhanging. Unfold liner, drape over the top rail and down the sides approximately 24 inches. The liner should be barely above the pool floor in the center ONLY. Remember that the center seam or center section of the liner must be positioned at the center line of the pool. The bottom edge seam of the liner should be inside the pool about 12 inches below the top rails. Correct any bunching or pleating conditions in the liner wall. Inspect liner for open seams. If found, return to dealer for prompt replacement of liner.

Step 12...

BINDER CLIP & 3" X 3" PIECE OF CARDBOARD TO PROTECT LINER FROM BEING SNAGGED BY CLIP (REFER TO TOOLS & MATERIALS REQUIRED FOR QUANTITY)



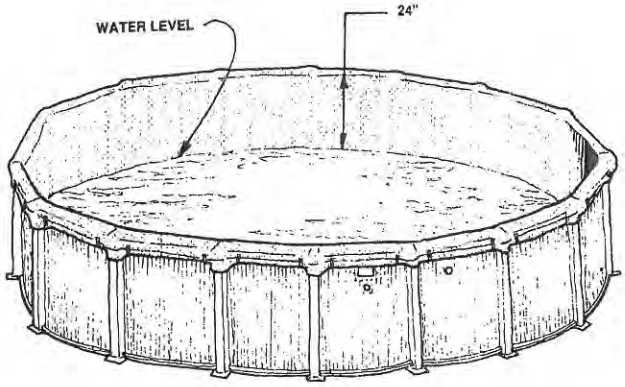
With the liner in position, hold in place by attaching two binder clips over folded cardboard on the underside of each top rail. Carefully cover the end of a garden hose with a sock and tape securely as shown, place it in the pool and begin to fill. As pool fills, the liner will stretch as the water begins to cover the bottom. At this time, check the sidewall for extreme tautness. Binder clips do not self-release. Any area that feels tight should be relieved by releasing the binder clips and allowing the liner to feed back into the pool until the desired tautness is achieved.

Step 13...

CONTINUE FILLING POOL

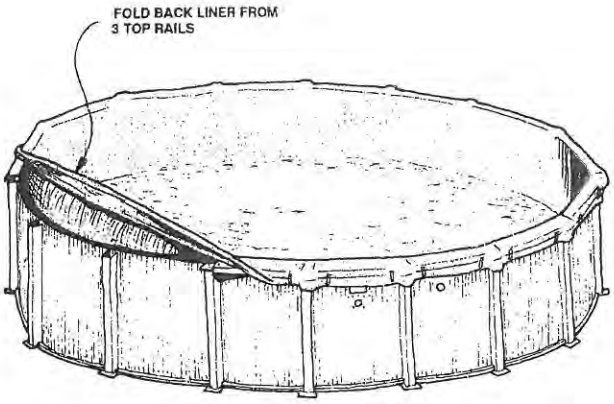
Adjust liner evenly, all the way around the pool. When properly installed the bottom seam will be approximately midway up the cove. Continue filling until water is 24" up the wall then stop filling. **Never allow liner to fall back into pool.** .

Step 14...



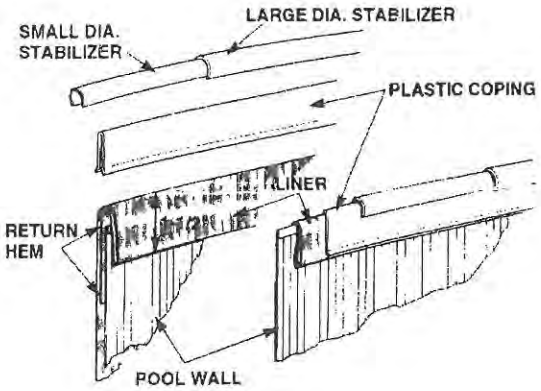
Continue filling pool. **Never allow liner to fall back into pool.** Water between the liner and wall can cause pool failure. When pool has approximately 24 inches of water, stop filling. DO NOT resume until Steps 15, 16, and 17 are completed. **CAUTION:** Do not cut any openings into liner at this time.

Step 15...



With the help of two or three people, raise and hold the liner up from any three top rail sections. Remove four top connectors, three top rails and two vertical end caps. REMEMBER, NEVER ALLOW LINER TO FALL BACK INTO POOL.

Step 16...



Make a return hem as illustrated. DO NOT cut off excess liner material as the liner will "Slip" from under the plastic coping, causing liner to fall back into the pool. Smooth liner against wall and secure to top of wall with plastic coping. Place stabilizer rails over coping, alternately telescoping small diameter into large diameter about 6 inches as before. One large diameter stabilizer rail fits between each pair of side supports. They DO NOT telescope.

NOTE: At the skimmer and return openings only, the return hem must be cut away between the steel side wall and the liner side wall. (This will insure that there is only onle thickness of liner material covering the skimmer and return openings to affect a positive gasket seal). DO NOT CUT the liner sidewall at any other location. Replace all parts removed in Step 15. Repeat same steps for entire pool perimeter, working just three top rail sections at a time. DO NOT allow liner to fall back into pool.

Step 17...

With pool completely assembled, install skimmer, filter, etc. using instructions provided with units. Consult with your dealer for the proper chemicals and water treatment recommended.

Cleaning
Pool parts are easily cleaned with a mild liquid soap and a soft cloth. Do not use abrasive cleaning pads, or cleaners containing abrasives as they may scratch or dull the surface appearance.

SAFETY LITERATURE

Now that you have installed your new pool, you can look forward to many years of fun and enjoyment. However, your pool is also a big responsibility. For this reason, we have provided you with an assortment of safety literature. **Please take the time to read and understand all the safety literature provided.**

You have also been given an assortment of signs and decals. Refer to your "Safety First" booklet for detailed instructions of where and how to apply them. Remember, warnings only help if you put them up. Please help us protect the good health and safety of your family and friends! Read the "Safety First" booklet through completely and follow the directions in it.

If any of your safety literature, signs, or decals become lost or damaged, you can get more free by contacting HII Customer Service Department:

HII
315 N. Sebastian Street
West Helena, AR 72390

IMPORTANT: Above-ground pools are designed for swimming and wading only. Diving or Jumping is product mis-use. DO NOT DIVE OR JUMP! Use only an above-ground swimming pool ladder to enter or exit your pool. Do not use slides, diving boards, or any other platform or object which can be used for improper pool entry! **It is your responsibility to secure your pool against unauthorized, unsupervised, or unintentional entry. Remember, pool mis-use can result in severe injury and/or other dangers to life and health.** Always obey and enforce all safety rules.

HII • 315 N. Sebastian St. • West Helena, AR 72390

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