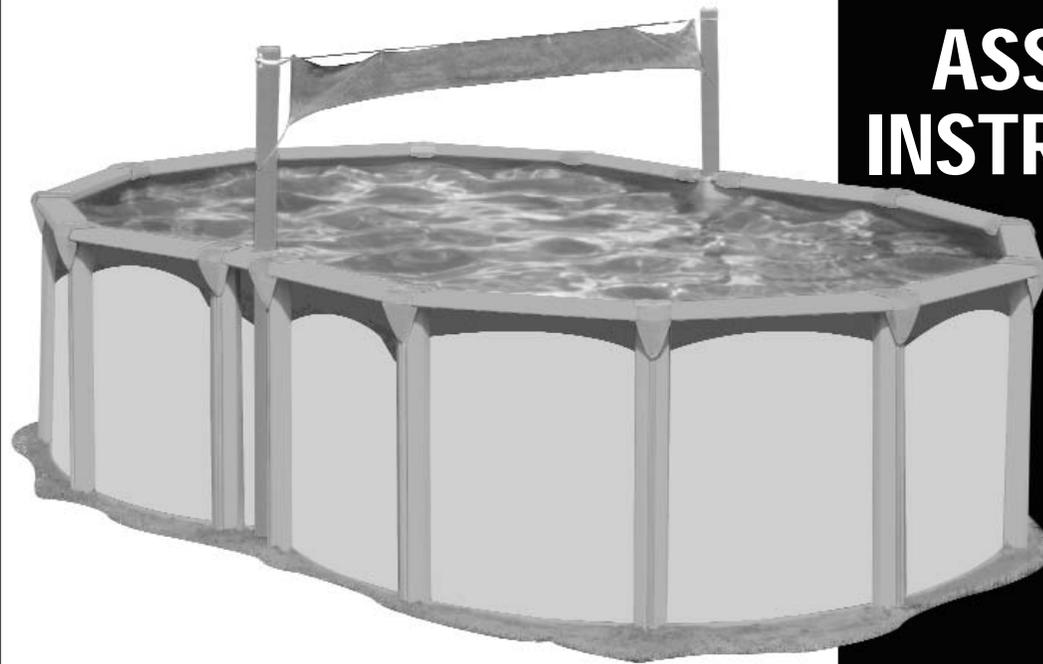




**Swim'n Play, Inc.**  
*Makers of Fine Above Ground Pools®*



# POLE POOL

## ASSEMBLY INSTRUCTIONS

### GENERAL

Installation of this above ground pool is not extremely hard or confusing, but it is a big job. The secret to installing a pool so that it will give you years of pleasure is to take the time to follow instructions and do things right the first time. Your pool warranty is void if these instructions are not followed 100%. Read all instructions including accessories such as filters, pumps, skimmers, decks, etc. prior to starting. Before you start, check to see that you have the correct number of parts. Use your parts list which is broken down by carton. The manufacturer reserves the right to revise, change, or modify construction of its pools.

**NOTE: If a power drill is used during installation, it should be a variable speed drill used on low setting. Torque should not exceed 39 inch pounds.**

**FAILURE TO COMPLY COULD RESULT IN SCREWS STRIPPING OUT.**

### DANGER

**DO NOT DIVE OR JUMP into your pool. Your pool is approximately 4' deep. It is not designed for diving or jumping. If you dive or jump into your pool you run the risk of permanent injury or death.**

**Alert all visitors and family of this and point out all warning labels supplied.**



**ADULT SUPERVISION REQUIRED**

313 REGINA AVENUE, RAHWAY, NEW JERSEY 07065-4891

Phone: (732) 574-1500 • Fax: (732) 574-1551 • www.swimnplay.com • E-mail: info@swimnplay.com

## CONTRACT INSTALLATIONS

The manufacturer is in no way affiliated with any professional pool installer. Therefore the manufacturer can assume no responsibility for errors in installation by the home owner or said professional installer. If you have your POOL installed by others, please supervise them to be sure they comply with the proper installation techniques shown. Their past experience or short cuts may not cover the latest improvements in our POOLS. Do not allow any short cuts of any nature.

## LOCAL CODES

- Local building code may require obtaining a building permit and or an electrical permit. The installer shall follow the regulations on set backs, barriers, devices and other conditions.
- Any after market or home built deck should be built to the local building code requirements, including load capacity and fencing requirements.
- All electrical outlet connections should be a minimum of 5 feet from the outside perimeter of the wall of the pool. From 5-10 feet there should be either a fixed connection (outlet box) or twist lock connection with a GFCI. Connect power cords to a 3-wire grounding-type outlet only.
- Severe electrical shock could result if you install your pump or filter on a deck. They could fall into the water, causing severe shock or electrocution. Do not install on a deck or other surface at, above or slightly below the top ledge of the pool.

## BARRIER REQUIREMENTS

- If the distance from the top of the assembled pool is less than 48" vertically from the surrounding grade, a fence or barrier is needed to surround the pool with a minimum height of 48".
- A barrier is necessary to provide protection against potential drowning and near drowning and is not a substitute for constant supervision of children. A barrier is a fence, wall, or a combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool. Barriers must comply with local and national building codes and the US Consumer Product Safety Commission.
- These are minimum fencing and barrier requirements. Check your local building codes for other requirements they may request. Optional fencing kits are available, Please contact your local dealer.
- If pool covers are used for safety barriers they should comply with ASTM F 1346 "Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs."

## SPECIAL CARE

Even though this manufacturer's pools are designed to meet or exceed industry recommended safety factors, special attention must be paid to some installation procedures that the installer performs and controls.

- **Levelness** Spend the time to assure that the entire pool framework is level within 1". Unlevel pools place extreme pressures on the pool walls.
- **Wall seam** This area is where the wall joins together. Damage to any part of this area reduces the safety factors and can result in a weak pool. Use extreme care following instructions.
- **Earth mound** This keeps the liner from creeping out from under the pool wall. Follow instructions to the letter – don't short-cut or substitute materials. Improperly installed pools can rupture, allowing thousands of gallons of water to rush out causing extensive property damage and injury to anyone in its path.
- This manufacturer's pools are not designed to be buried. Outside ground forces can collapse pool wall. Certain conditions may exist, like the levelness of the pool area that require the pool to be recessed. You must maintain a finished pool height of 36" above ground level. If your pool is 48" deep, you may recess the pool by 12" ( $48"-36"=12"$ ). Consult your local pool professional and building codes as to the use of earth retaining walls to recess your pool deeper than this recommended amount. Make sure that the pool remains full of water for at least 7 days before backfilling the pool recess. Place a layer of plastic film against the pool before backfilling to protect the pool from corrosion agents that may be found in the backfill materials.
- The pool owner has the sole responsibility for providing adequate lighting for the pool area.
- All users must be able to see the shallow depth of the pool, and safety signs at all times.
- You must install a pool ladder(s) and/or steps for entry and exit from the pool.
- The use of artificial pool lighting is at the discretion of the pool owner.
- All electrical components shall be installed in accordance with Article 680 of the National Electrical code 1999 (NEC®) "Swimming Pools, Fountains and Similar Installations" or its latest approved edition.

- During night time pool use, artificial lighting shall be used to illuminate all safety signs, ladders, steps, deck surfaces and walks.
- The installer shall follow written instructions provided for operation of the circulation system.
- Decks shall meet local codes and comply with ANSI/NSPI-8 1996 "Model Barrier Code for Residential Swimming Pools, Spas and Hot Tubs" or the latest approved edition.
- Underwater lights having front access shall be installed and removed only with use of tools.
- The installer of the vinyl liner shall affix on the original or replacement liner, or on the pool structure, all safety signs in accordance with the manufacturer's instructions. The safety signs shall be placed above the water line.

**All components such as the filtration system, pumps and heater shall be positioned so as to prevent their being used as a means of access to the pool by young children.**

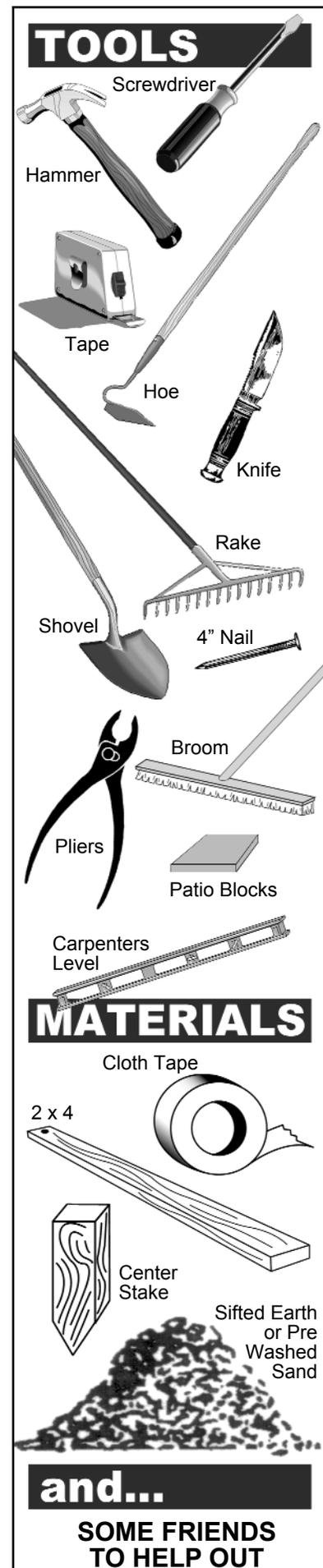
## INTRODUCTION

The installation of an average size pool (12' - 30' diameter) will usually require three people to help set it up. Listed is an assortment of tools and materials which you will need for preparing the ground, checking the levelness, and setting up the pool.

## SELECTING POOL LOCATION

The selection and preparation of the pool site is your responsibility. The manufacturer can only suggest the proper techniques, indicate the important considerations and emphasize the precautions, and cannot be held responsible for damages to your pool that may result from failure to carefully follow all pool site specifications.

1. The surface on which your pool will stand must be **ABSOLUTELY LEVEL AND SOLID**. This condition should extend one (1) foot beyond the actual pool area all around. The best surface is bare solid earth free from stones, roots, and other sharp objects.
2. Allow plenty of play area around the pool. Fit the location into your landscaping plans.
3. The pool site must be accessible to electrical and water supply and should allow for disposal of great quantities of water when pool is drained.
4. When installing your pool on a **SOLID LEVEL SURFACE**, it is imperative that you protect your pool and liner from chemicals and other foreign matter contained in the surface. Protect your pool and liner by inserting between them and the surface any material that is not made from a tar derivative or contains sharp twigs, etc. We suggest the use of a plastic ground shield to be used between the surface and the pool liner (See step 2). Do not install your pool on peat moss, tar paper, gravel or chemically treated soil not approved for pool use. Any or all of these surfaces can ruin your pool and liner and will void your warranty.
5. Do not set up your pool under trees or under overhead wires.
6. **DO NOT** set up your pool near any existing structure such as your house garage, etc., as this condition will induce diving or jumping into your pool which could result in permanent injury or death.
7. Do not set up your pool on or near any septic system or underground utilities.
8. Choose your pool location convenient for:
  - a. Connecting electrical wires of your accessories (filter, heater, lights) to your electrical outlets conforming to electrical codes.
  - b. Draining large amounts of water.



# INSTALLATION • ASSEMBLY STEPS

READ CAREFULLY BEFORE STARTING POOL ASSEMBLY

## CONSTRUCTION CLOSE-UPS

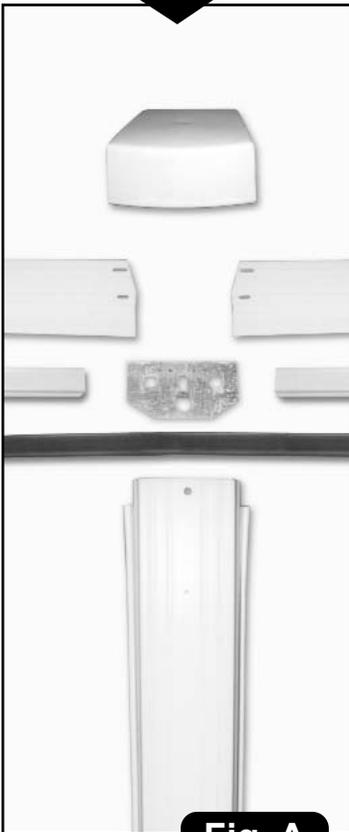
Use the illustrations below as a guide for the assembly of your pool

**4" POOLS**

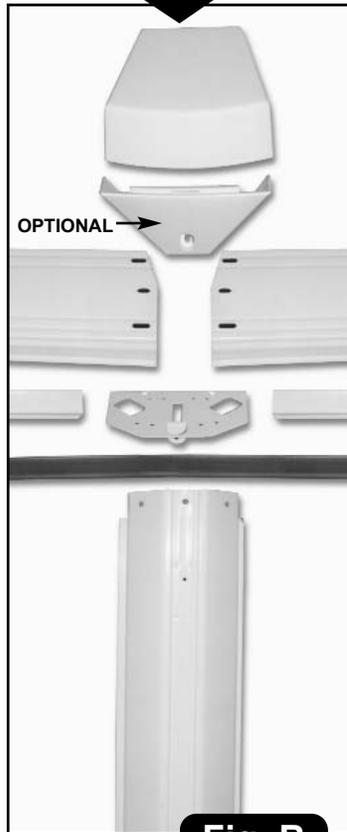
**6" POOLS  
DELMAR  
ELAN • OMNI  
LEXINGTON**

**6" POOLS  
PRINCETON  
QUANTUM  
ST. CROIX  
ZENITH**

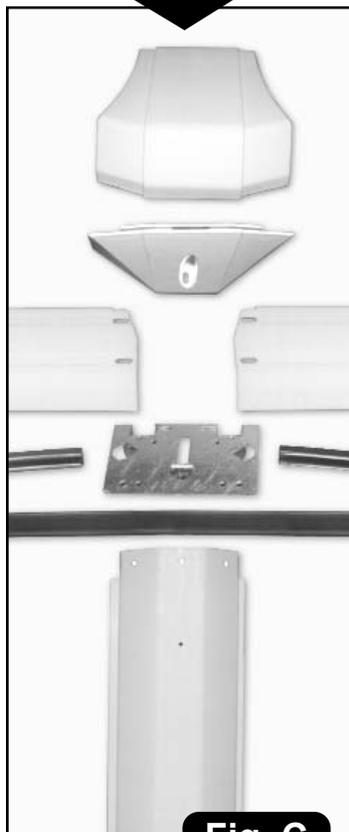
**7" POOLS  
with Box  
Vertical**



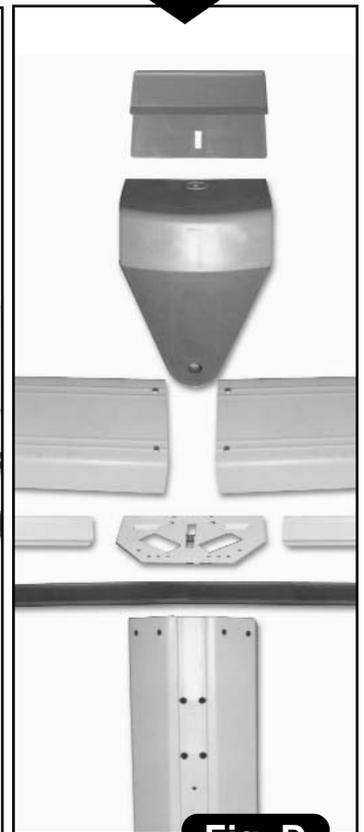
**Fig. A**



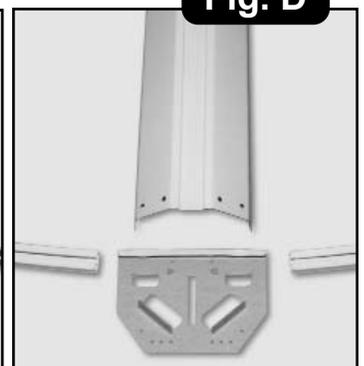
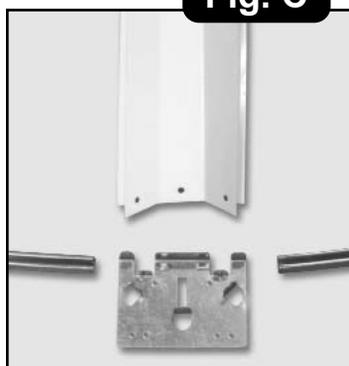
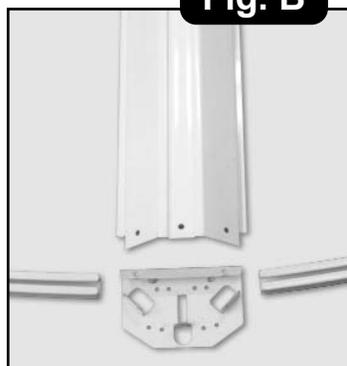
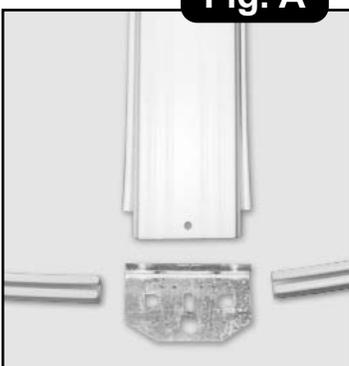
**Fig. B**



**Fig. C**



**Fig. D**



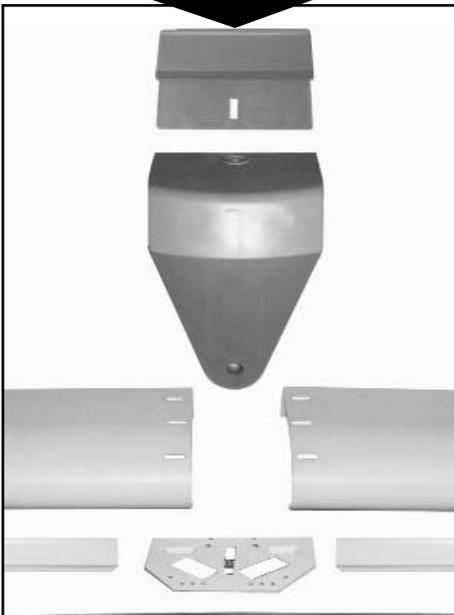
# INSTALLATION • ASSEMBLY STEPS

READ CAREFULLY BEFORE STARTING POOL ASSEMBLY

## CONSTRUCTION CLOSE-UPS

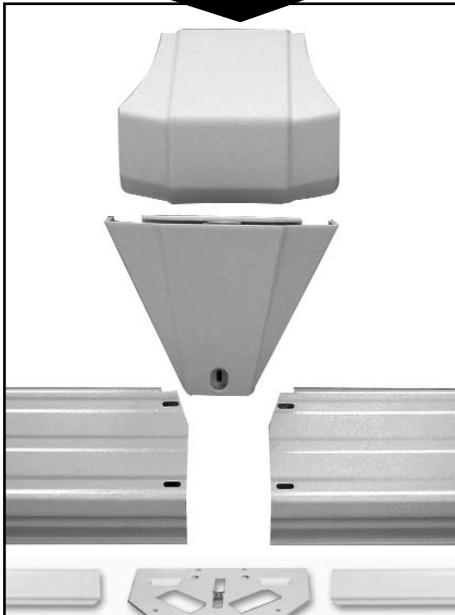
Use the illustrations below as a guide for the assembly of your pool

**6" EXTRUDED  
ALUMINUM POOLS  
with Box Vertical**



**Fig. E**

**7" POOLS  
with Column  
Vertical**

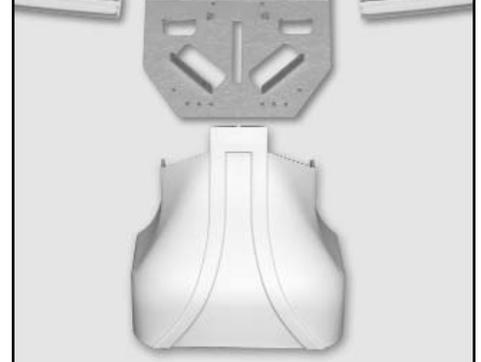
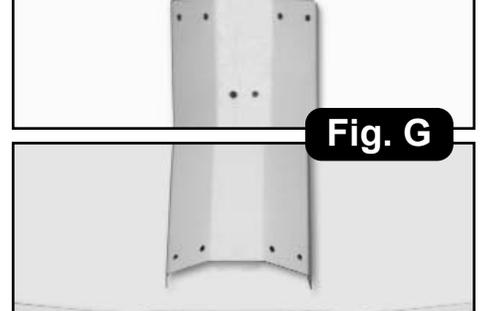
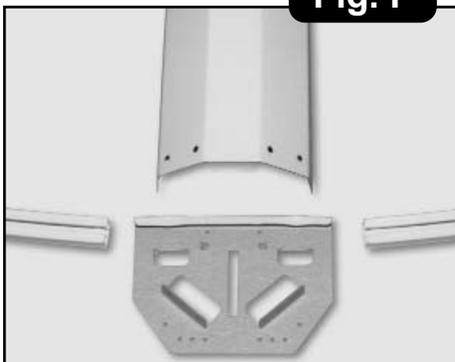
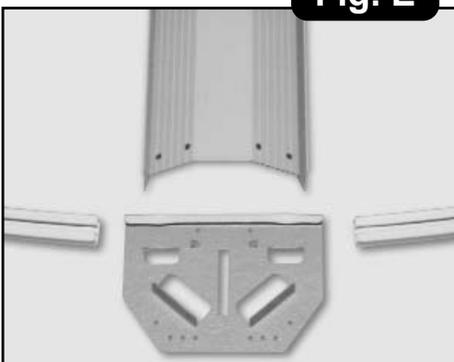


**Fig. F**

**7" POOLS  
with Column Vertical  
& Wrap Around Covers**



**Fig. G**

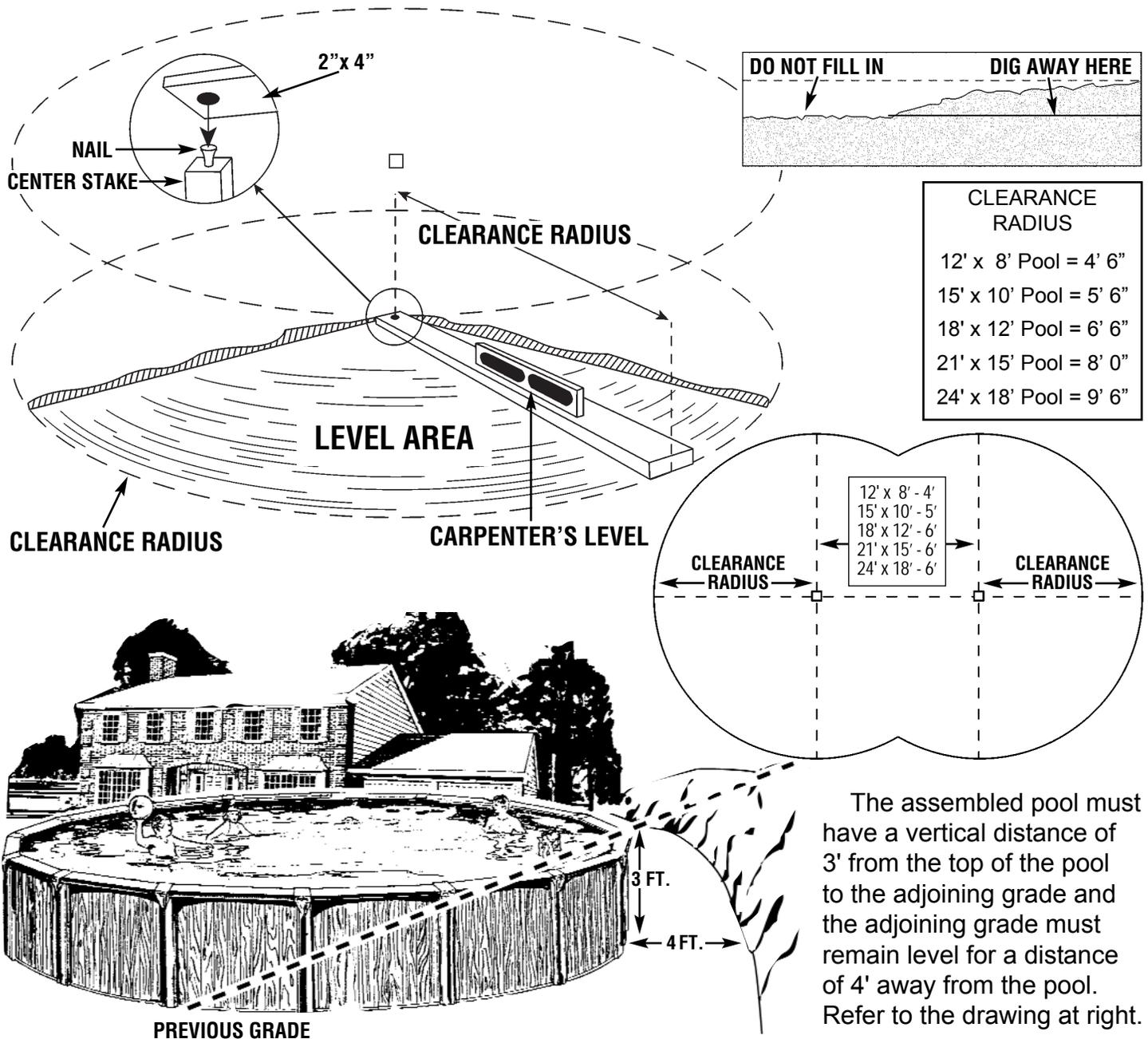


# PREPARING THE GROUND

1

Your pool must be installed on a solid level surface. Drive a stake into the ground at the center of your pool location. Use a length of string tied to the center stake, see clearance chart for your size pool, and mark the area using a can of spray paint or flour. With the use of the leveling device shown and a shovel, start leveling the ground, removing all grass and sharp objects such as sticks and stones.

Level area to the lowest spot within the clearance radius. **DO NOT FILL IN LOW SPOTS.** Give special attention to the outer part of the circle as this is where the bottom track and pool wall will rest and must be absolutely level.



The assembled pool must have a vertical distance of 3' from the top of the pool to the adjoining grade and the adjoining grade must remain level for a distance of 4' away from the pool. Refer to the drawing at right.

## WARNING - LEVELING THE GROUND

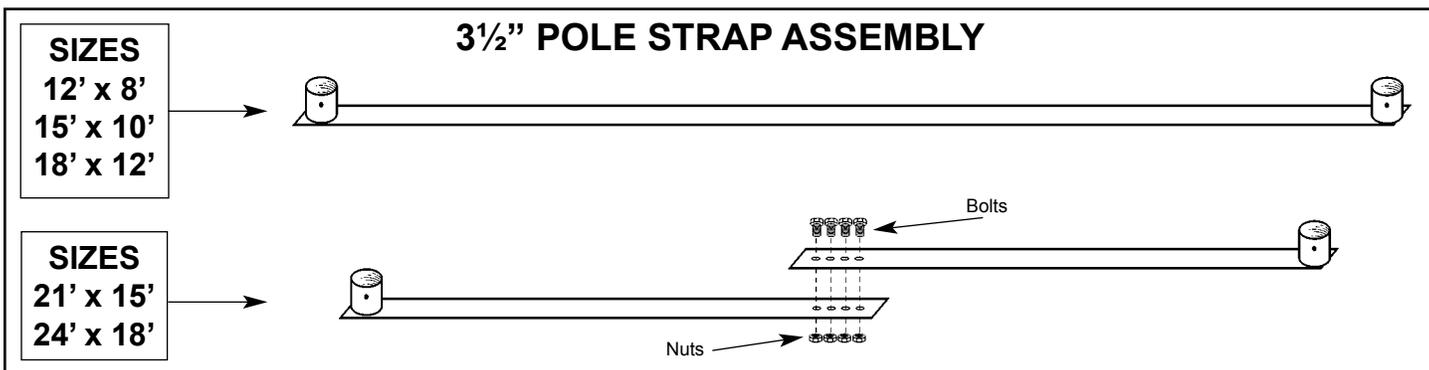
**THIS IS THE MOST IMPORTANT PART OF YOUR PREPARATION OF POOL SITE.  
YOU MUST GIVE CAREFUL ATTENTION TO THIS PHASE.  
REMEMBER — YOUR POOL MUST BE INSTALLED ON SOLID LEVEL SURFACE.**

# STRAP ASSEMBLY

2

On the 12 x 8, 15 x 10, and 18x12 pools simply unbox and unfold the Pole Strap assembly.

On the 21x15 and 24x18 pools, unbox and unfold the pole straps and straighten out any bends. Assemble the straps together by using the six (6) high strength nuts and bolts provided in the strap carton for each strap joint. Make sure that the pole cups are on opposite ends of the straps and are both facing upward. **All six (6) nuts and bolts must be used and tightened securely as this is a very important structural part of assembling your pool.** The bolt heads must face up with the nuts attached from underneath.



# BOTTOM RAILS

3

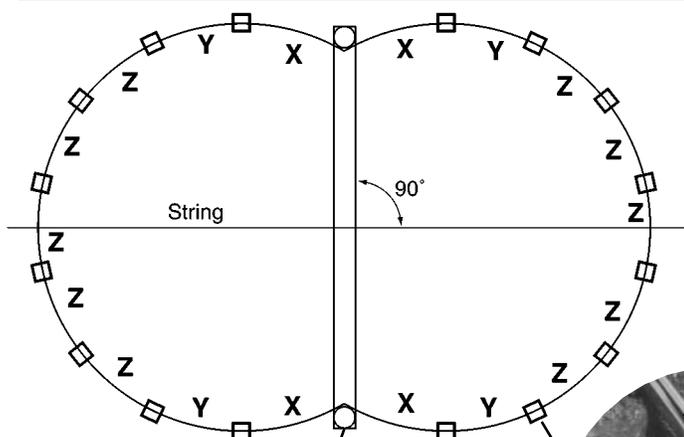
**Ground Shield and Wall Guard are optional.**

Spread a ground shield or plastic sheeting over prepared ground (not included). Ground Shield and Wall Guard are available from your local pool supply dealer or polyethylene sheeting can be purchased from a local hardware supply. This will protect your pool liner and metal parts against chemical reactions from the ground soil.

Mark out pool radius (1/2 pool width) using the two center stakes as a reference. Lay out the pole strap assembly, with the cups facing up, in the center of your pool at 90 degree angles to the center axis (string).

Form a semicircle by sliding the Bottom Rail groove up into the Bottom Plate 1/8" from the stop, alternating Bottom Rail then Bottom Plate. Your pool has come with two or three sizes of Bottom Rails. Refer to the drawings below for Rail placement, and the quantity to use.

Place patio blocks under the entire framework at ground level.

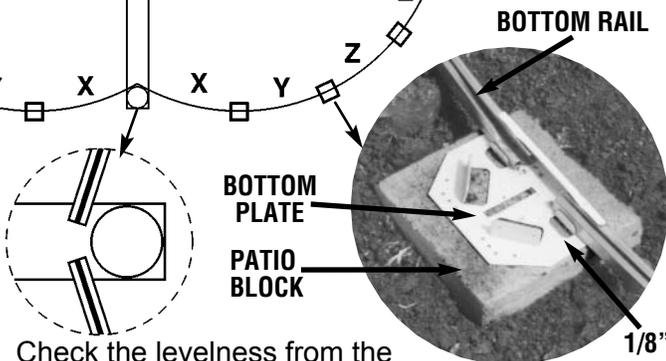


**IMPORTANT:**

The 4 bottom rails along next to the pole cup strap must **NOT** be trapped between the wall and the pole cup.

**PRE WASHED SAND OR SIFTED EARTH RECOMMENDED REQUIREMENT CHART**

POOL SIZE	TONS OF SAND
12' X 8'	1 1/2
15' x 10'	2
18' x 12'	2 1/2
21' x 15'	3
24' x 18'	4



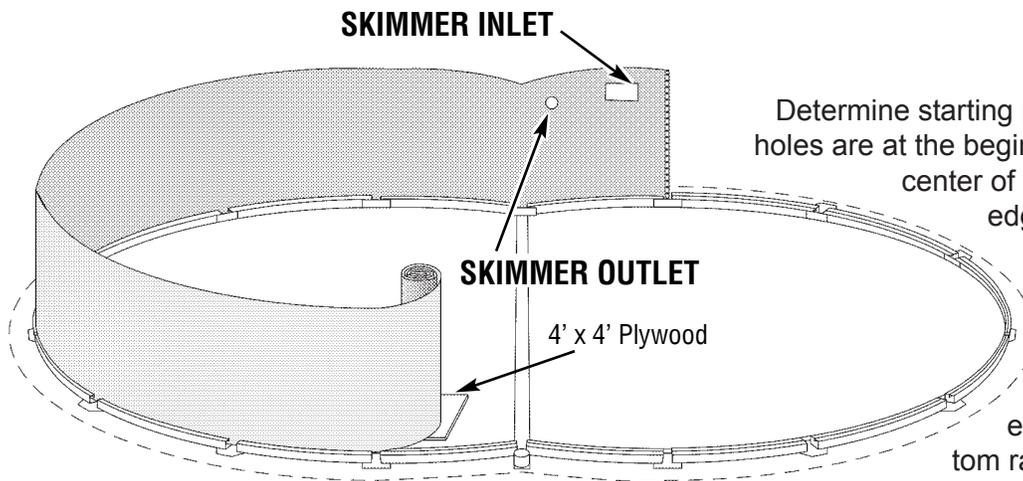
Check the levelness from the center stake to each patio block and from block to block. Bring the required amount of sifted earth or pre-washed sand into the pool area at this time. Refer to chart to the right for the required amount.

**BOTTOM RAIL SIZE CHART**

POOL SIZE	X SIZE	X QUANT.	Y SIZE	Y QUANT.	Z SIZE	Z QUANT.
6" LEDGE - CONSTRUCTION CLOSE UP "Fig. C"						
12' X 8'	7 3/8"	4	N/A	N/A	35 1/4"	10
15' X 10'	7 3/8"	4	N/A	N/A	37 1/4"	12
18' X 12'	7 3/8"	4	N/A	N/A	38 3/4"	14
21' X 15'	10 7/8"	4	22 1/8"	4	55 3/8"	10
24' X 18'	10 7/8"	4	22 1/8"	4	55 3/8"	12
6" & 7" LEDGE - CLOSE UP "Fig. B, D, E, F & G"						
12' X 8'	5 1/2"	4	N/A	N/A	34 3/16"	10
15' X 10'	5 1/2"	4	N/A	N/A	36"	12
18' X 12'	5 1/2"	4	N/A	N/A	37 5/8"	14
21' X 15'	9 3/4"	4	21"	4	54 5/16"	10
24' X 18'	9 3/4"	4	21"	4	54 5/16"	12

## INSERT WALL INTO BOTTOM RAILS

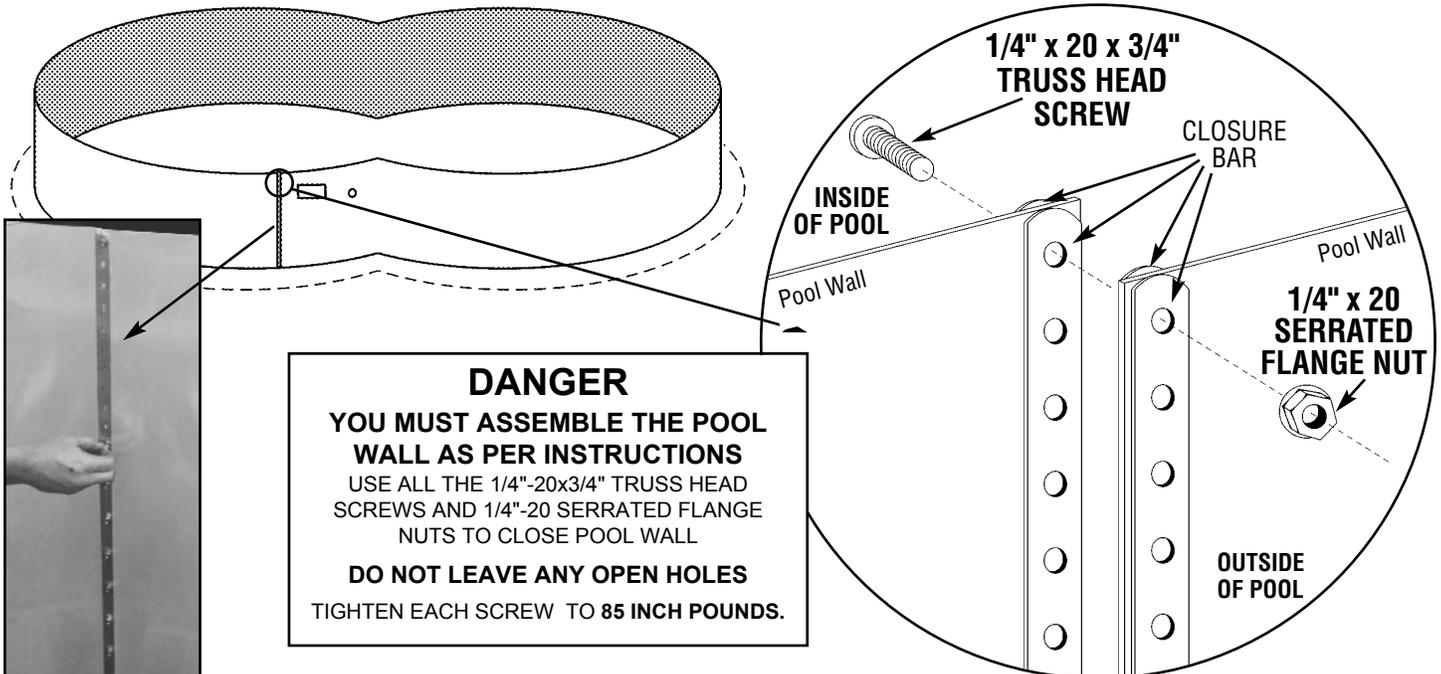
4



Remove wall from carton.  
**NOTE: the UP arrow on wall.**  
Determine starting point as the filter inlet and outlet holes are at the beginning of the wall. Starting at the center of a bottom plate insert the bottom edge of wall into the groove on the bottom rail. Make sure that the cutouts for filter inlet and outlet are on the top portion of the wall and will not be hidden behind a vertical. If the wall ends do not meet, adjust the bottom rail in or out of the bottom plates. The spacing in all bottom plates should be equal.

## CLOSING THE WALL

5



Insert the 1/4" - 20x3/4" truss head screws from inside the pool through the preattached inside closure bar, through inside and outside wall ends, and through outside closure bar. The 1/4" serrated flange nuts are secured to the screws on the outside of the wall. All the holes must match and be secured together with the screws and nuts provided.

Tighten each screw and nut to 85 inch pounds of torque. If no torque wrench is available, tighten each nut until snug. Then tighten each nut one (1/2) half additional turn. If nut appears to be loose after tightening, please check if the screw is stripped or broken. It must be replaced.

**Overtightening the nuts could cause the screws to fracture which could result in pool failure. Failure to tighten the nuts sufficiently could also result in pool failure.**

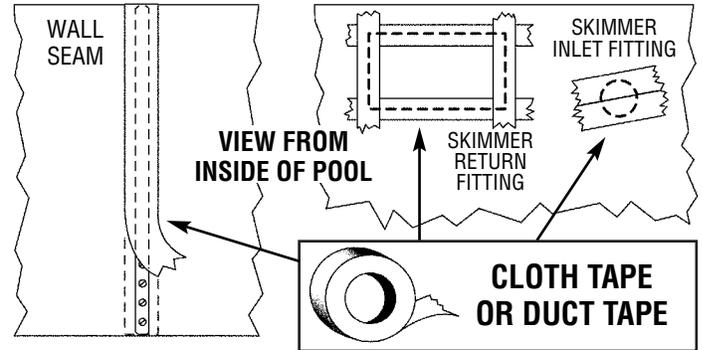
This is one of the most important structural assembly aspects you will perform. Be absolutely sure you have one closure bar inside of pool (in between liner and pool wall) and one outside (exposed on outer pool wall). **Manufacturer can not assume the responsibility of the performance of this product if the instructions of closing the wall are not followed exactly.**

# PROTECT YOUR LINER

6

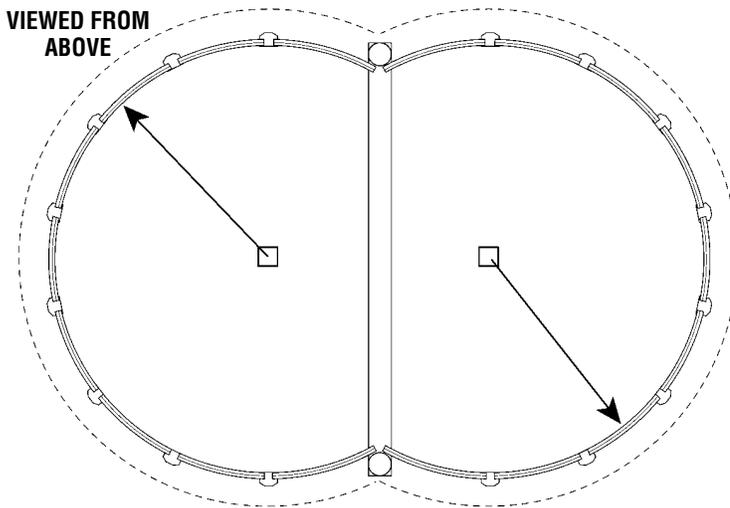
Once the wall is closed and screws and nuts are tightened securely, cover the screw heads on the inside of the pool with a cloth tape all the way from top to bottom of wall. If the filter inlet and outlet are not used, tape over the prescored areas on the inside of the pool wall.

Cloth tape or duct tape is available through your local pool dealer or hardware store.



# RECHECKING YOUR WORK

7



Measure from the last strap to the outer end of the pool. Measurements in both ends should be equal. Also make sure that the sides of the pool between the straps is straight.

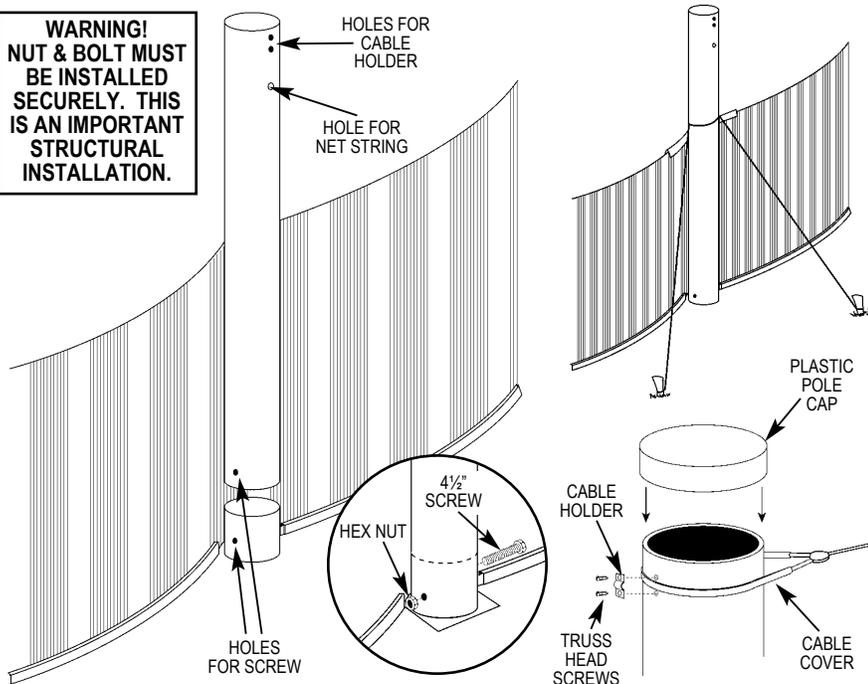
Verify that the 4 bottom rails that are next to the pole cup strap are not between the wall and the pole cup.

This could cause damage to the wall and could result in pool failure once the pool is filled with water.

# INSTALLING THE POLES & CABLE

8

**WARNING!**  
NUT & BOLT MUST BE INSTALLED SECURELY. THIS IS AN IMPORTANT STRUCTURAL INSTALLATION.



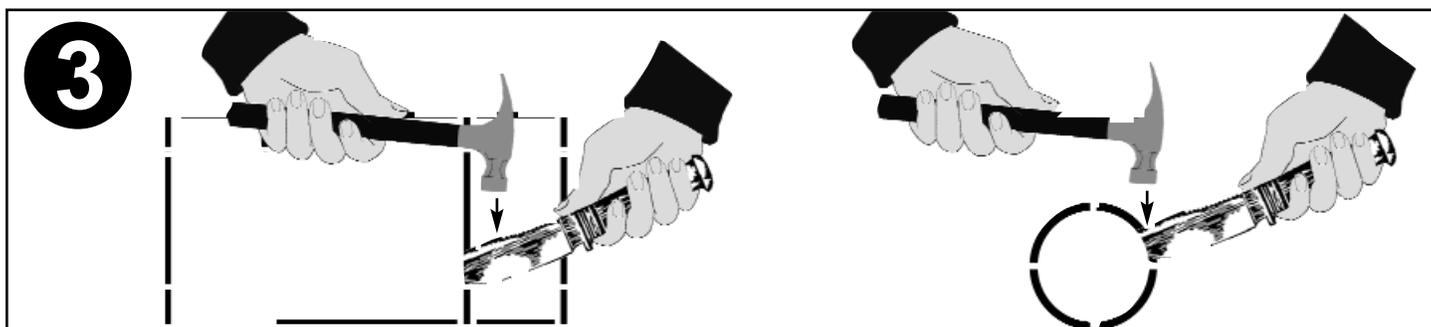
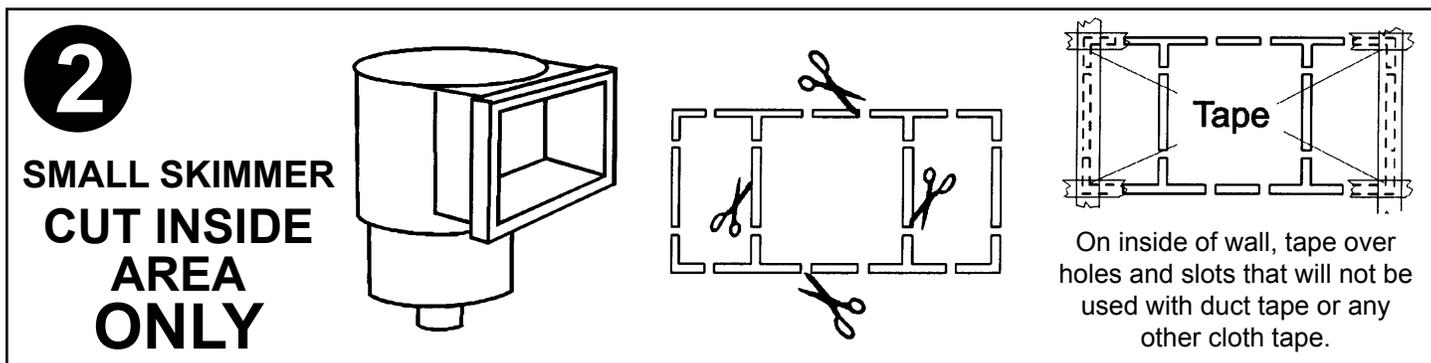
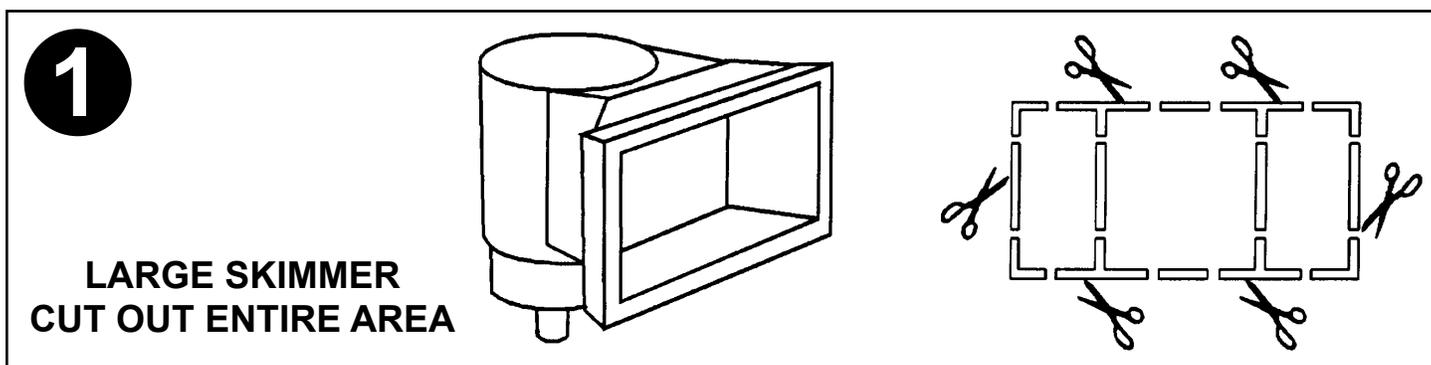
Place the first pole over the cup on the strap, matching the holes in the cup with the holes in the pole. The pole must be outside the wall of the pool. Inserting the 4 1/2" round head screw through both the pole and the cup, secure the protruding end of the screw with a hex nut. Secure the pole temporarily (until filled with water) by tying two chords to the pole and attaching to pegs driven into the ground approximately 4' from pole. Attach the other pole by using the same process.

Cover both cable loops with the cable covers and slip the loops on each end of the cable over the top of each pole and secure the cable holders with the 3/4" truss head screw and wing nuts, and tighten. Place the plastic pole caps on top of the pole.

**DANGER: DO NOT REMOVE CABLE FROM POOL WHILE WATER IS IN POOL.**

## IMPORTANT!! BEFORE CONTINUING WITH THIS STEP YOU MUST KNOW WHICH TYPE OF THROUGH THE WALL SKIMMER YOU WILL BE USING WITH YOUR POOL

Your pool wall has cutouts to accommodate both standard size skimmers and deluxe wide mouth skimmers. If you have a wide mouth skimmer, you will be required to remove the entire cutout as shown in figure 1. To remove the section, you can use either tin snips or a hammer and knife as shown in figure 3. If you have a standard size skimmer, only remove the inside section of the cutout, and place duct tape around the remaining scored sections as shown in figure 2.



If the through wall filter inlet and outlet holes are to be used, remove metal cutouts by breaking perforations using a knife and hammer as shown. Refer to skimmer manufacturer's instructions for remainder of skimmer assembly. Make sure skimmer does not leak as this will corrode the pool wall and cause a split in the wall that is not covered under the pool warranty.

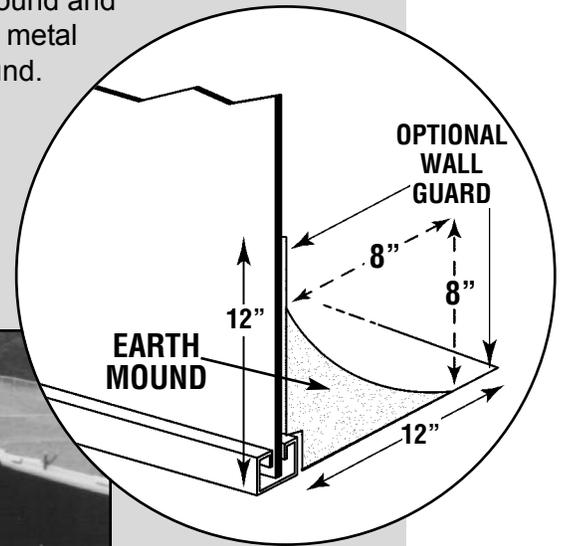
**It is recommended to coat the exposed metal on both sides with a clear lacquer or nail polish to help resist rust and corrosion.**

# EARTH MOUND

10

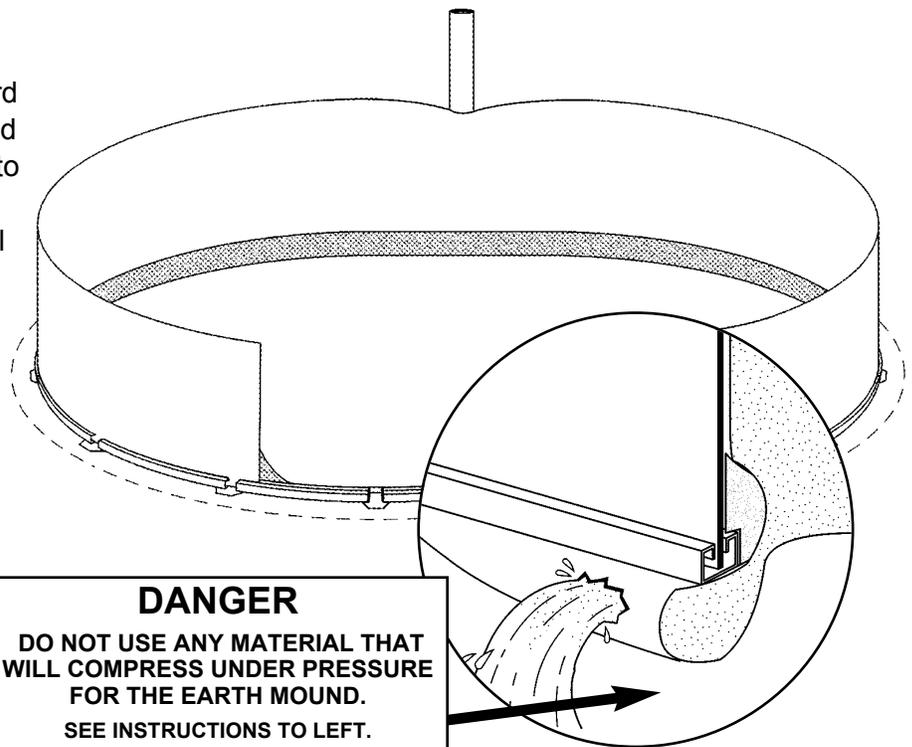
## Wall guard is optional.

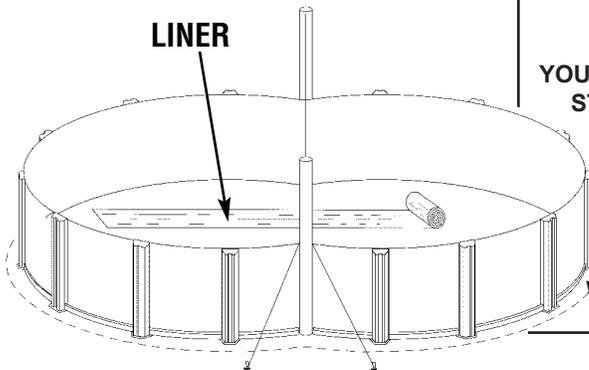
Tape wall guard (plastic sheeting) to pool wall 12" up from ground and smooth out on ground 12" from wall. This will protect your pool's metal parts from chemical reactions with the soil used in the earth mound. Several commercial products can also be used in place of earth mound. Consult your professional pool dealer.



Build earth mound on top of wall guard using screened damp earth or pre-washed sand. Shape and compact earth mound to run 8" up from ground and 8" away from the wall. Do not use any material that will compress under pressure for the earth mound is an important part of the pool installation. It prevents the wall from lifting up and the liner from sneaking underneath the pool wall. Spread the remaining sand equally across the bottom of the pool. This will give you a 2" to 3" sand base.

**Manufacturer cannot assume responsibility of the performance of this product if the earth mound is omitted or not properly installed.**

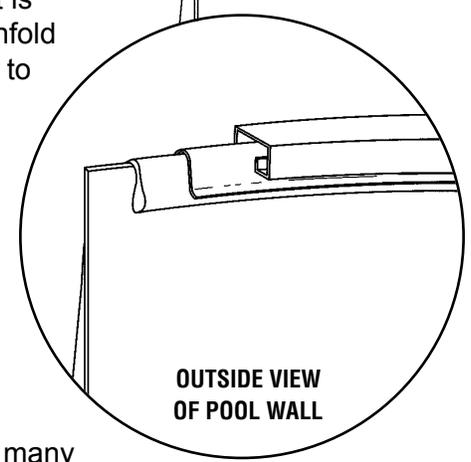
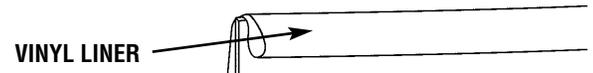
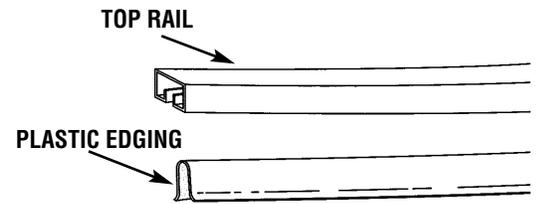
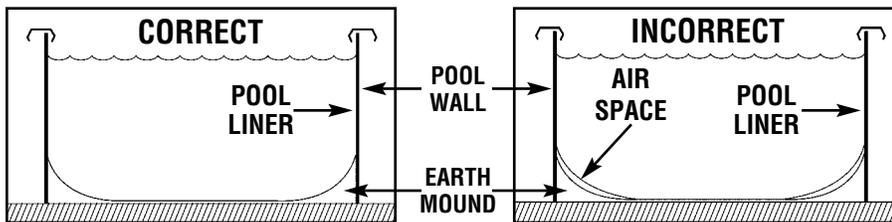




## CAUTION

YOUR POOL IS DESIGNED TO PROVIDE AN AMPLE SAFETY MARGIN WHEN IT STANDS ON LEVEL GROUND. FOR THIS PURPOSE A SLOPE IN EXCESS OF 2 INCHES IN ANY DIRECTION WALL TO WALL IS CONSIDERED OFF LEVEL YOUR POOL WARRANTY ONLY APPLIES TO POOLS INSTALLED ON LEVEL GROUND AS DEFINED ABOVE.

ONCE YOU HAVE STARTED TO FILL THE POOL, DO NOT TRY TO PULL THE LINER FORCEFULLY. THE WEIGHT OF EVEN ONE INCH OF WATER WILL MAKE IT IMPOSSIBLE TO MOVE THE LINER WITHOUT DAMAGING IT.



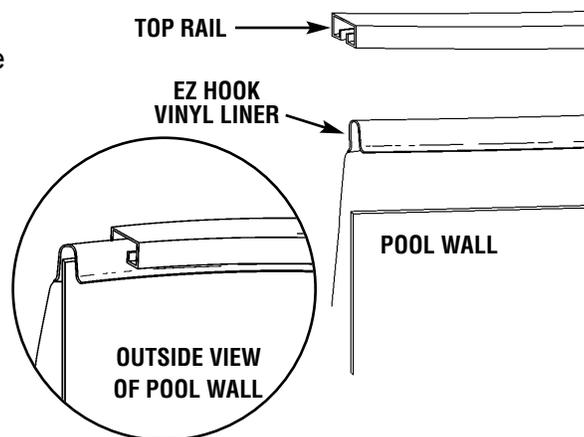
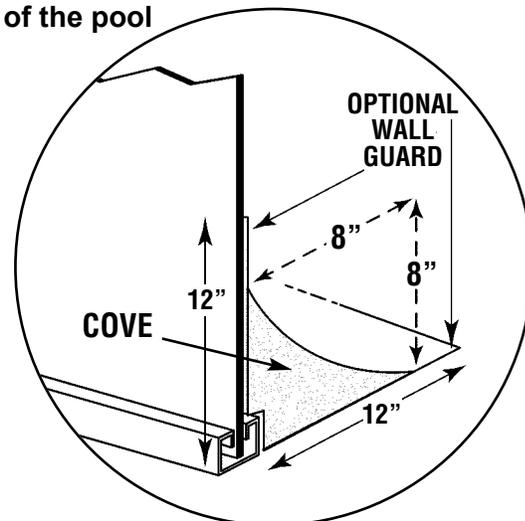
## STANDARD OVERHANG LINER

1. Clear all sticks and sharp objects from an area near the pool, that is as large as the pool itself. Remove the liner from its carton and unfold and open the liner. Refold the liner so that it can easily be carried to the pool and unfold from the outside of the pool. Check the levelness of the sand in the pool and make sure that no sharp objects are still in the pool.
2. Place the liner into the pool while holding onto the top of the wall section of the liner. Overhang the top wall of the liner over the pool wall approximately 4" and hold it by temporarily placing the plastic edging over the liner and the wall. Continue in this manner around the entire pool.
3. Gently pull on the liner and use a soft bristle broom to remove as many wrinkles as possible on the bottom of the pool. Adjust the overhang of the liner as needed as you go trying to keep it as equal as possible around the pool.
4. Be sure that the seam of the liner where the wall meets the floor of the liner is evenly centered in the pool. Start filling the pool slowly with water. Continue pulling gently and working the liner with a broom, and readjusting the overhang as necessary.
5. Some wrinkling of the liner may be evident and in no way affects the structural strength of your pool. **Once the water is filled to a point that the liner is pressed firmly against the wall install the thru-the-wall skimmer following its instructions. Then you can fill the entire pool as quickly as desired.** The excess liner material overhanging the wall can either be trimmed later when the pool is filled, or double folded now to the inside of the pool between the liner and the wall. Permanently install the plastic edging around the entire pool, not leaving any gaps.

## EZ HOOK LINER INSTALLATION

**ATTENTION: An 8 inch cove must be placed all around the inside of the pool**

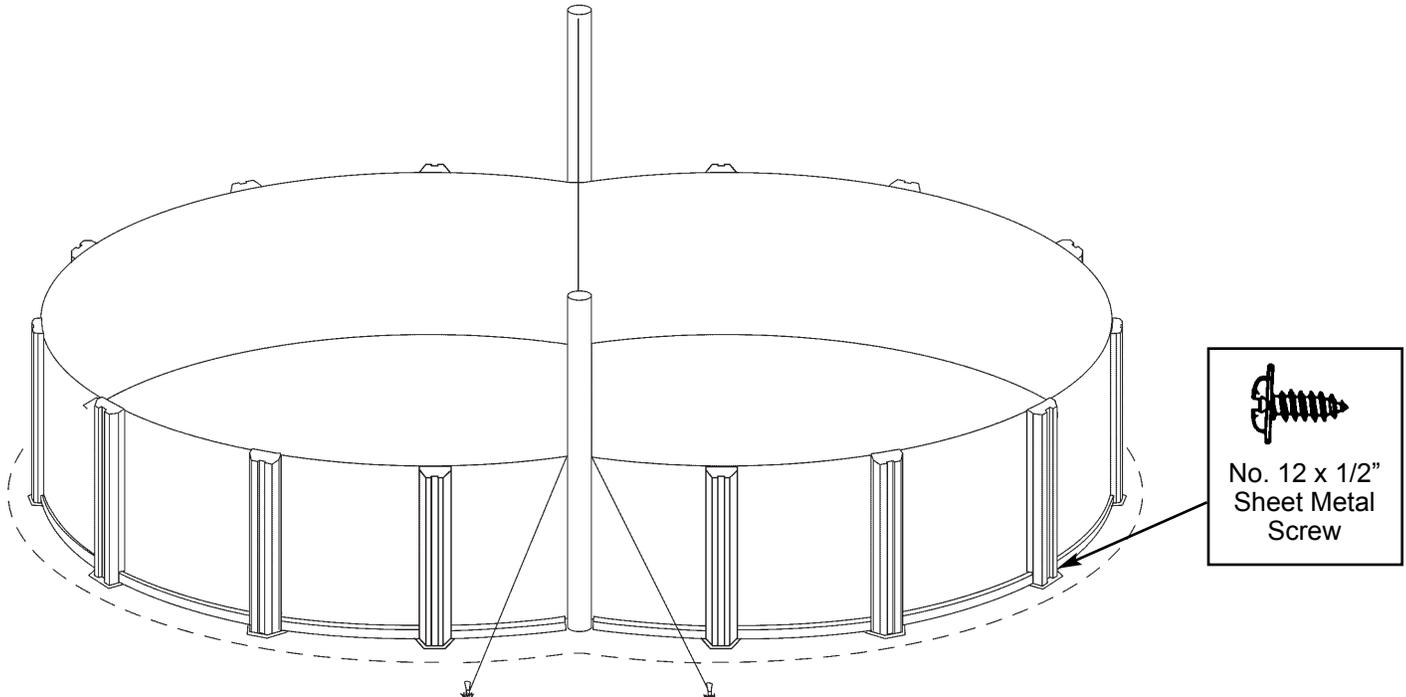
1. Clear all sticks and sharp objects from an area near the pool, that is as large as the pool itself. Remove the liner from its carton and unfold and open the liner. Refold the liner so that it can easily be carried to the pool and unfold from the outside of the pool. Check the levelness of the sand in the pool and make sure that no sharp objects are still in the pool.
2. Place the liner into the pool while holding onto the top of the wall section of the liner.
3. Place the EZ Hook of the liner onto the top of the wall around the entire pool. Temporarily place a few of the top rails over the liner edging to support and sturdy the wall. Continue in this manner around the entire pool.
4. Gently pull on the liner and use a soft bristle broom to remove as many wrinkles as possible on the bottom of the pool.
5. Start filling the pool slowly with water. Continue pulling gently and working the liner with a broom as needed.
6. Some wrinkling of the liner may be evident and in no way affects the structural strength of your pool. Once the water is filled to a point that the liner is pressed firmly against the wall install the thru-the-wall skimmer following its instructions. Then you can fill the entire pool as quickly as desired.



## BEADED LINER INSTALLATION

1. Clear all sticks and sharp objects from an area near the pool, that is as large as the pool itself. Remove the liner from its carton and unfold and open the liner. Refold the liner so that it can easily be carried to the pool and unfold from the outside of the pool. Check the levelness of the sand in the pool and make sure that no sharp objects are still in the pool.
2. Install the bead receiver onto the top of the pool wall. Temporarily place a few of the top rails over the bead receiver to support and sturdy the wall.
3. Place the liner into the pool while holding onto the top of the wall section of the liner.
4. Snap the bead of the liner into the bead receiver around the entire pool.
5. Gently pull on the liner and use a soft bristle broom to remove as many wrinkles as possible on the bottom of the pool.
6. Start filling the pool slowly with water. Continue pulling gently and working the liner with a broom as needed.
7. Some wrinkling of the liner may be evident and in no way affects the structural strength of your pool. Once the water is filled to a point that the liner is pressed firmly against the wall install the thru-the-wall skimmer following its instructions. Then you can fill the entire pool as quickly as desired.





Attach verticals to bottom plates on the outside of pool using the No. 12 x 1/2" Sheet Metal Screws. If fencing or decking is to be installed, refer to the deck and fence instructions before installing verticals. The holes indented in the face of the verticals must be on top.

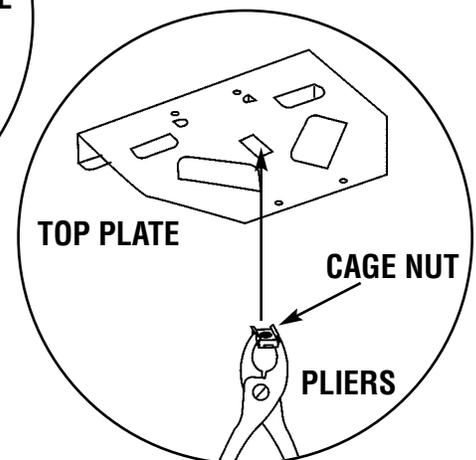
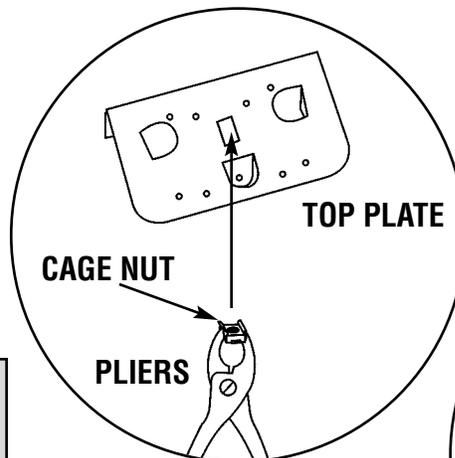
If your pool is equipped with feature tape, it is best to apply it to the verticals at this time.

## PRE-ASSEMBLY OF TOP PLATES\*

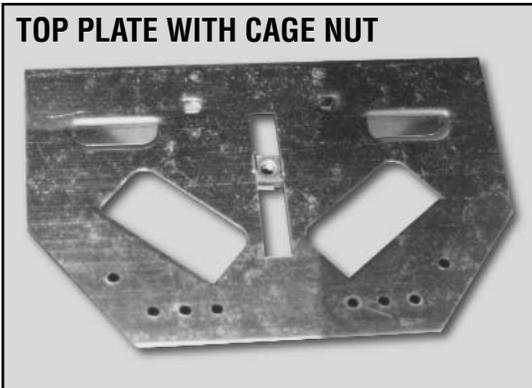
**\* NOTE: CAGE NUTS NOT NEEDED ON ALL POOLS - CHECK YOUR PACKING LIST**

Before the top plates are installed it is necessary to attach the **cage nuts\*** in their appropriate locations as shown in the figures at right.

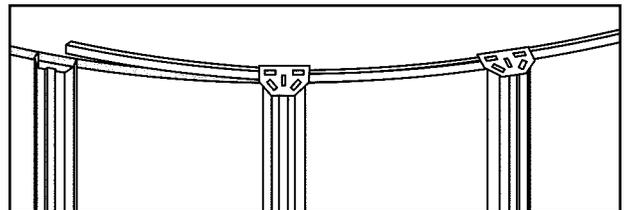
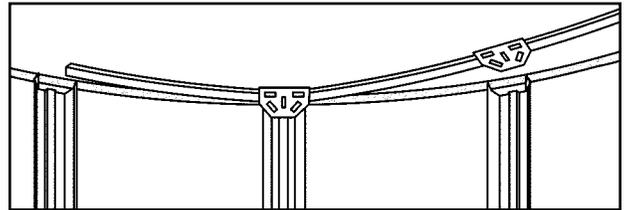
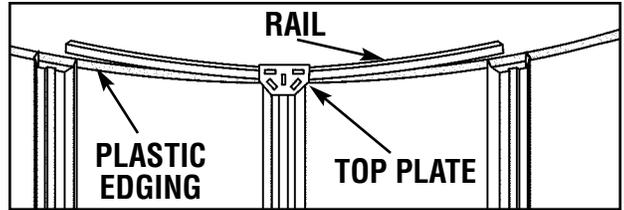
Using a pliers, squeeze together the spring sides of the cage nuts and insert them into the top plate from underneath.



**TOP PLATE WITH CAGE NUT**

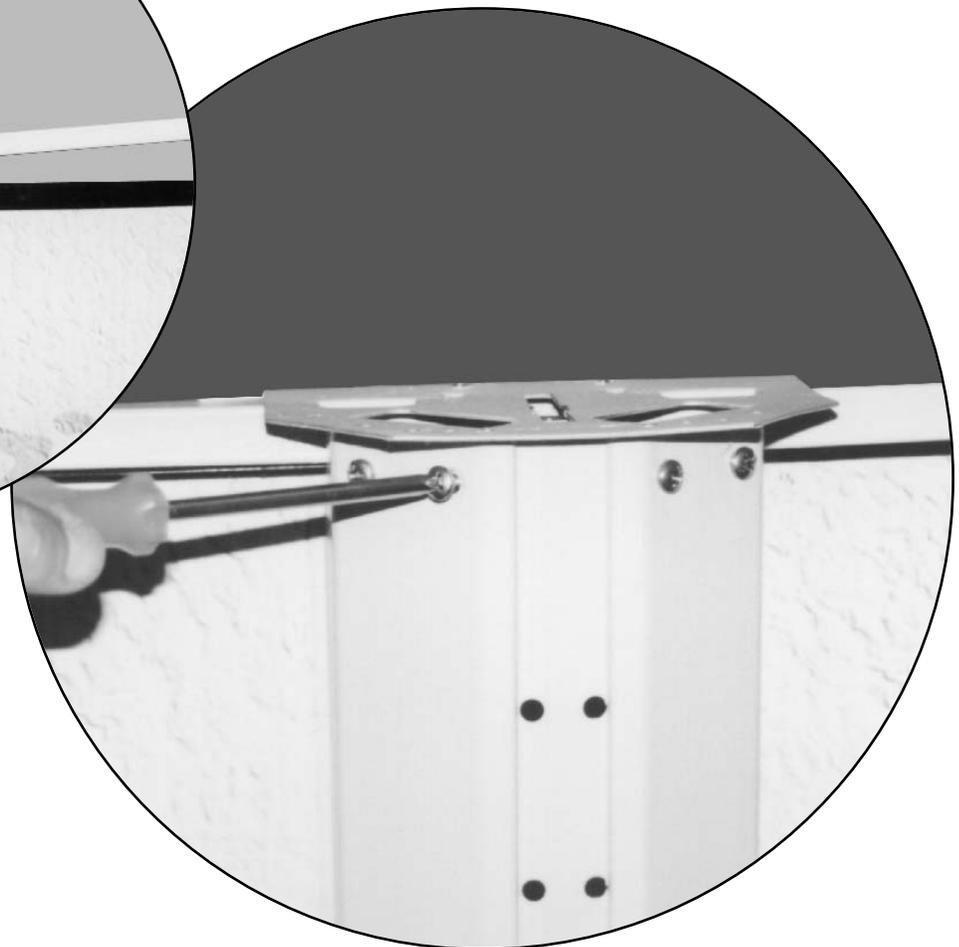
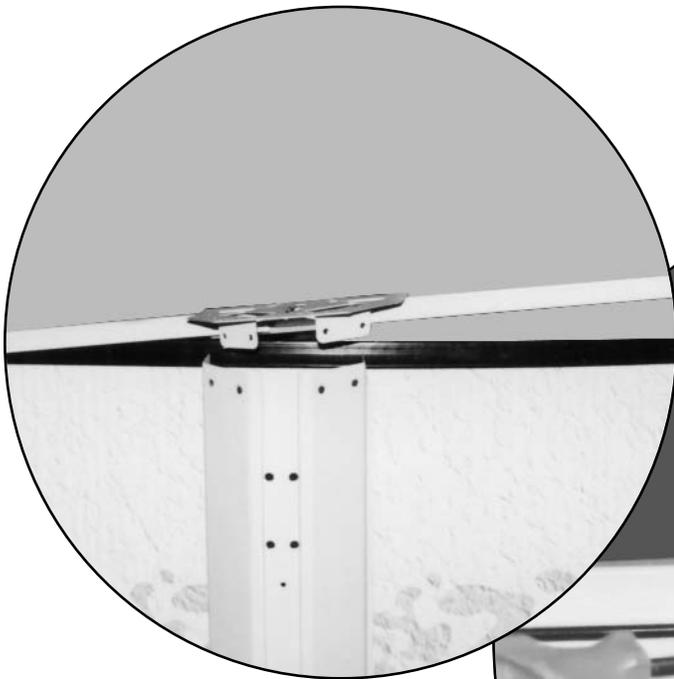


Insert two rails into a plate, in the same manner and using the same spacing as you have done on the bottom rail and plate assembly. Push the rails and plate assembly onto the plastic edging leaving the far end in the air.



**MAKE SURE THAT THE TOP PLATE IS CENTERED DIRECTLY ON TOP OF THE VERTICAL AND THAT THE VERTICAL IS PLUMB** (straight up and down).

Insert the exposed end of a top rail into another top plate with a top rail inserted into the opposite side. Push the top plate with rails onto the edging again leaving the far end of the rail in the air. Continue in this manner all the way around the pool. Secure the top plate to the vertical using the No.12x1/2" Sheet Metal Screws.

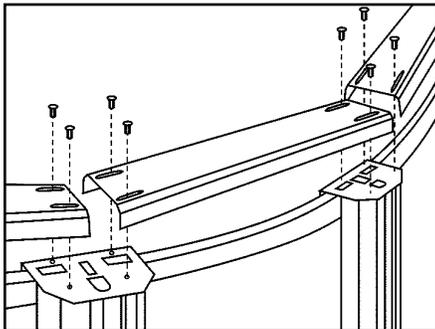
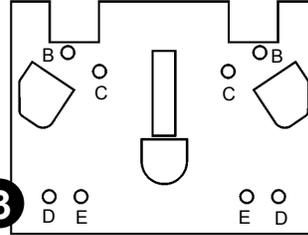
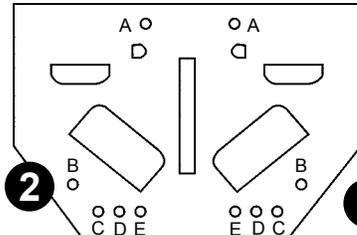
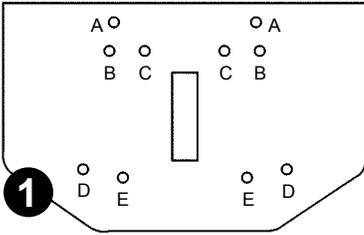
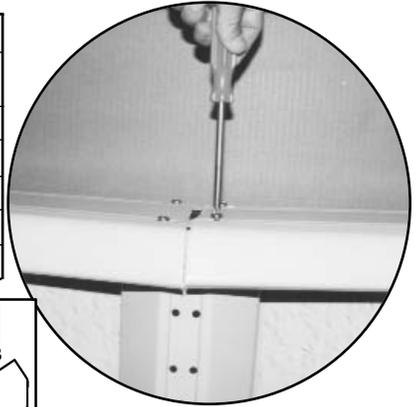


# INSTALLING LEDGES AND PLACEMENT OF WARNING LABELS

15

## USE THESE HOLES FOR YOUR SIZE POOL

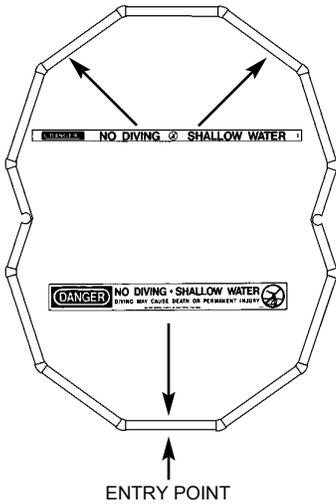
Refer to the "Construction Close-ups" at the beginning of these Instructions as indicated below:		12' x 8'	15' x 10'	18' x 12'	21' x 15'	24' x 18'
<b>FIG. A</b>	4" Ledge / 4" Vertical	① B & D	B & D	B & D	B & E	B & E
<b>FIG. B</b>	6" Ledge / 6" Vertical	① B & D	B & D	B & D	B & E	B & E
<b>FIG. C</b>	6" Ledge / 6" Vertical	③ B & D	B & D	B & D	B & E	B & E
	6" Ext. Ledge / 6" Ext. Old Vertical	① A & B	A & C	A & C	A & C	A & C
<b>FIG. D, E, F &amp; G</b>	6" Ext. & 7" Ledge / 6" Box Vertical	② A & D	A & D	A & D	A & D	A & D



Your pool is equipped with (3) three special **warning** ledges.

The (1) one ledge with a large **warning** on top is to be installed by the entry point into the pool and is not to be obstructed by any object such as your ladder.

The (2) two ledges with the **warning** on the inside are to be placed opposite the entry point into the pool with the warning facing the entry point.



### THESE WARNINGS ARE NOT TO BE REMOVED UNDER ANY CIRCUMSTANCES

Place ledges over the wall with each end resting on a top plate. Align the set of holes in the top plate as shown in the above drawing for your size pool with the holes in the ledge and insert the No.12x1/2" Sheet Metal Screw through the ledge and into the top plate.

**The ledge screws should not be tightened until all the ledges are in place and the pool has been filled with water.**

**NOTE:** Your pools top ledge was not designed to be a walk around.

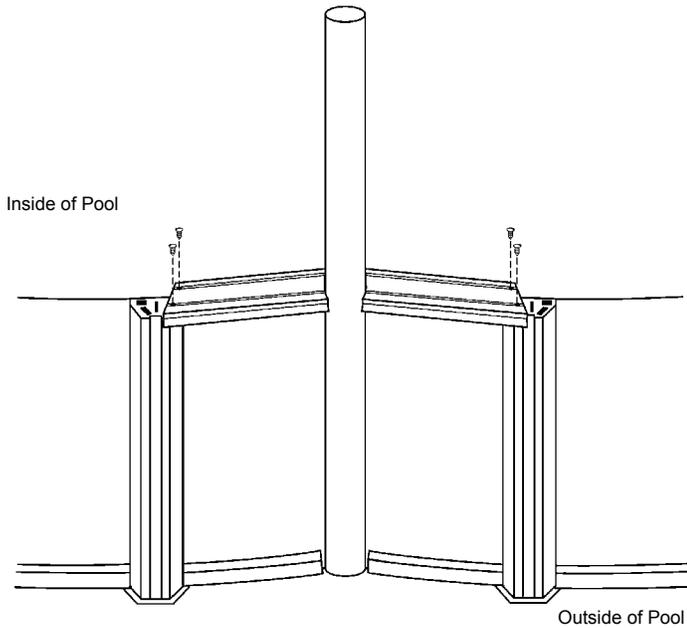
Caution everyone who uses your pool **NOT TO WALK OR SIT ON THE LEDGE!**

If your pool is equipped with feature tape it is best to apply it to the ledges at this time.

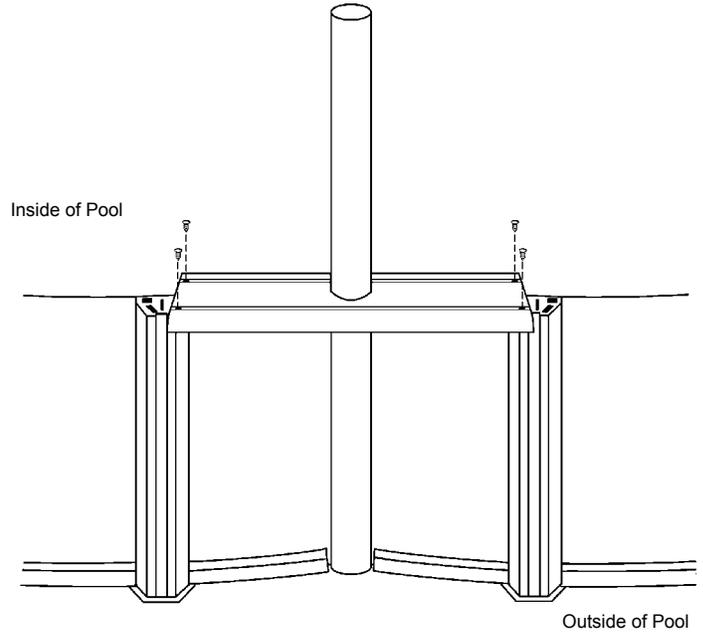
# INSTALLING POLE LEDGES

15a

## 4" & 6" LEDGE Close-Up A, B & D



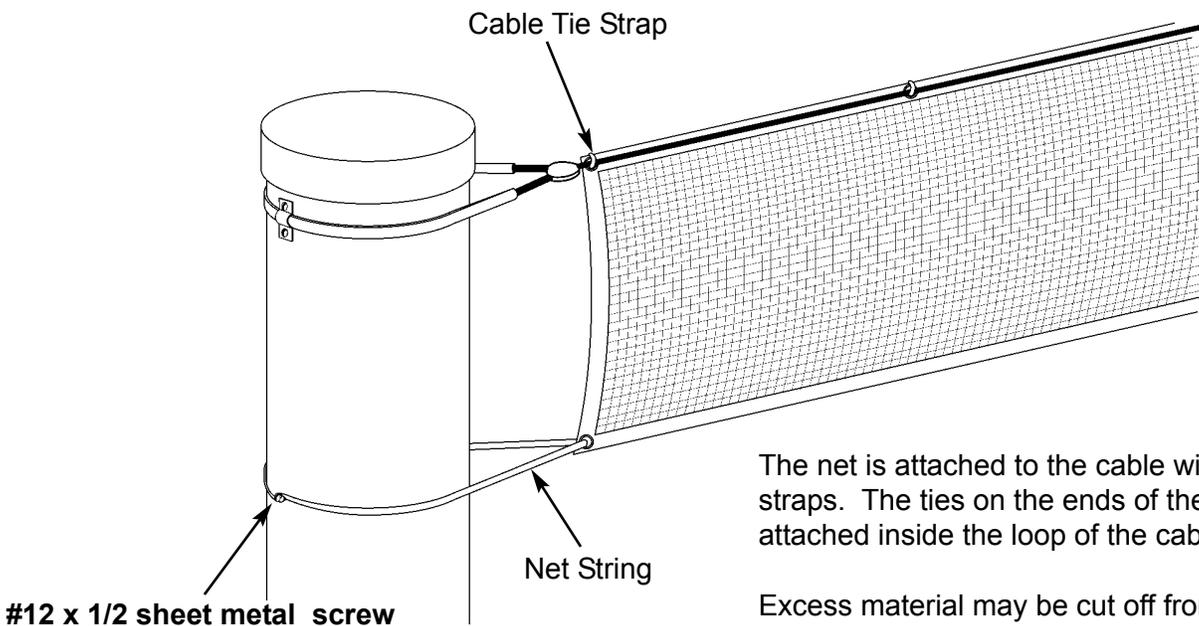
## 7" LEDGE Close-Up C



Cover the edge of the round cut out in the center of the pole ledge with the rubber edging. Place the ledge over the top of the wall with the rubber edging touching the pole and secure the ledge to the top plate at end using four (4) #12x1/2" self tapping sheet metal screws. Repeat the process for the other pole ledge.

# INSTALLING CABLE NET

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The net is attached to the cable with the cable tie straps. The ties on the ends of the net should be attached inside the loop of the cable.

Excess material may be cut off from the straps.

The Net String should be tied to the #12 x 1/2 Sheet Metal Screw.

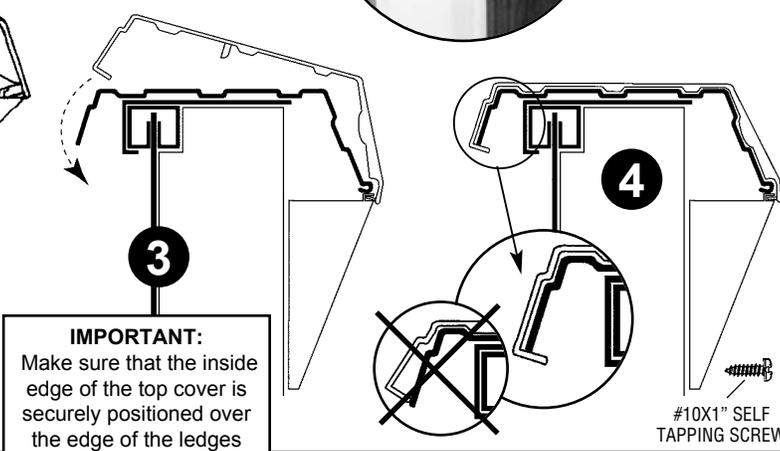
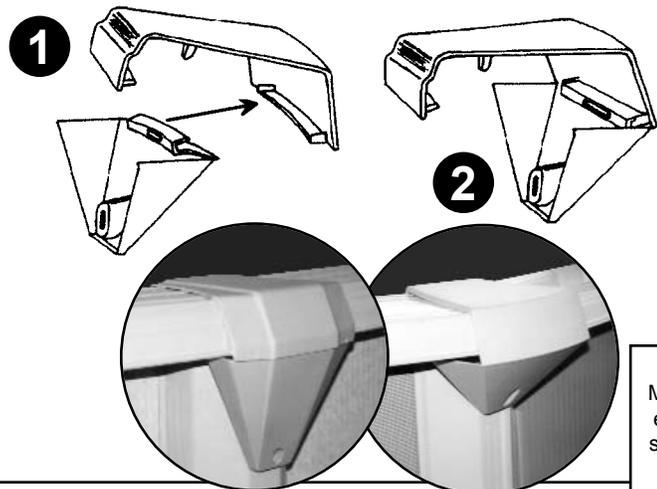
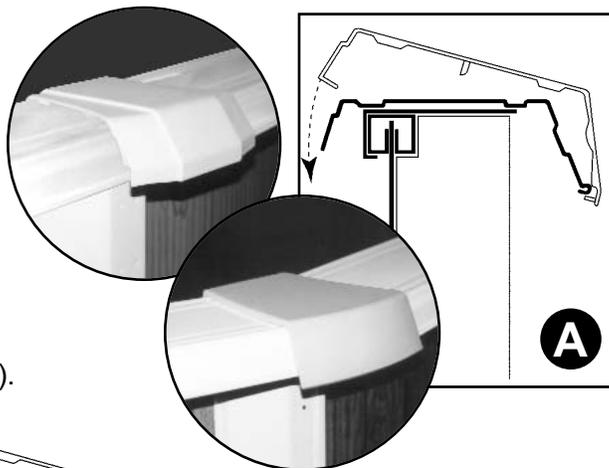
FOLLOW THE INSTRUCTIONS BELOW FOR THE COVERS FOR YOUR PARTICULAR POOL

## 4", 6" & 7" DELUXE TOP COVERS

These covers don't require cage nuts or top cover screws.

For pools with the new 1-piece deluxe top covers, simply snap the cover into place, aligning the tab on the bottom of the cover with the slot in the top plate of pool (fig. A only.)

For 2-piece covers, insert bottom section into top (fig. 1) so that it becomes one unit (fig. 2). Then snap cover into place aligning tab on bottom of cover with slot in the top plate of pool (fig. 3) and secure with a #10 x 1" screw (fig. 4).



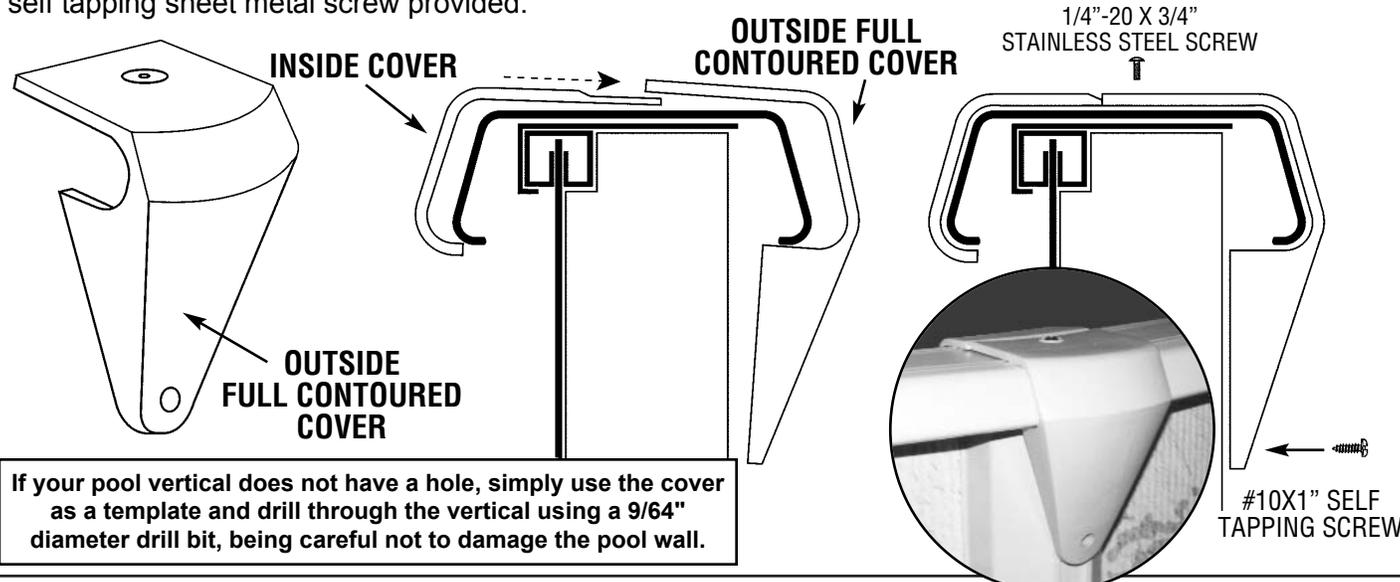
**IMPORTANT:**  
Make sure that the inside edge of the top cover is securely positioned over the edge of the ledges

#10X1" SELF TAPPING SCREW

## 6" & 7" TWO-PIECE FULL CONTOURED COVER

Slide inside cover (the cover which will be closest to the inside of the pool) into position and place outside cover onto top of inside cover aligning the holes together with cage nut attached to the top plate and secure using the 1/4"-20 x 3/4" screw provided. The two (2) edges of the covers should be parallel. Before tightening the screws, press the two covers firmly together.

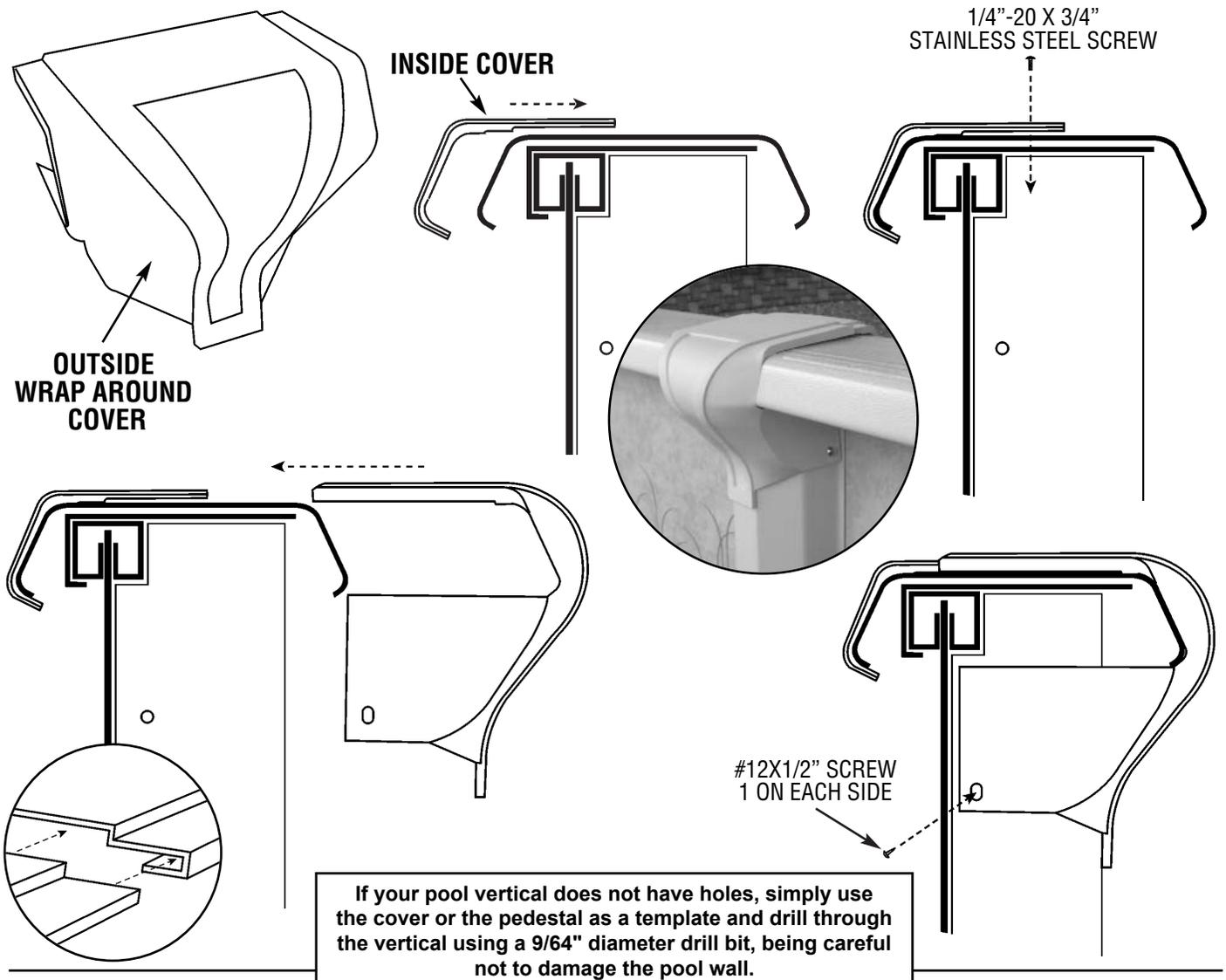
Line up the hole in bottom of cover with the hole in the vertical and fasten securely using the No. 10 x 1" self tapping sheet metal screw provided.



If your pool vertical does not have a hole, simply use the cover as a template and drill through the vertical using a 9/64" diameter drill bit, being careful not to damage the pool wall.

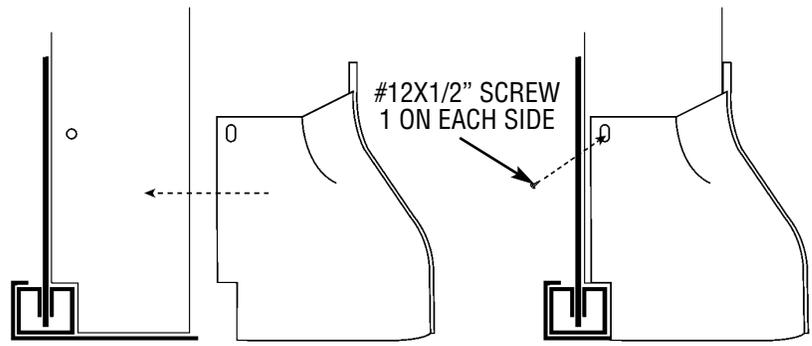
# 7" TWO-PIECE WRAP AROUND COVER AND PEDESTAL

Slide the inside cover (the cover which will be closest to the inside of the pool) into position and align the hole in the cover with the cage nut attached to the top plate. Secure using the 1/4"-20 x 3/4" screw provided. Slide the outside cover onto the inside cover. Make sure the inside cover is in the slot of the outside cover. Align the holes on the side of the bottom wrap with the holes on the top of the vertical. Secure the cover using the #12 x 1/2" screws provided. The two (2) edges of the covers should be parallel. Before tightening the screws, press the two covers firmly together.



## WRAP AROUND PEDESTAL

Place the pedestal onto the bottom of the vertical and align the holes on the side of the wrap with the holes on the bottom of the vertical. Secure the pedestal using the #12 x 1/2" screws provided.



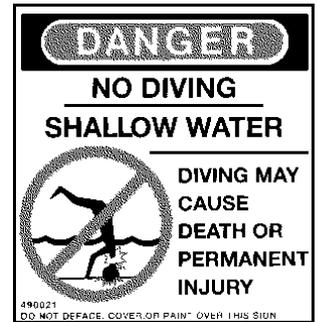
# WARNING

## WARNING LABELS

18

Four (4) danger labels have been provided for your safety. Apply these labels to the pool where they are easily visible to all persons using the pool. To do this, simply peel the backing off the label to expose the self stick back and firmly press to a conspicuous and plainly visible surface on the pool.

**DO NOT REMOVE THE DANGER OR WARNING LABELS UNDER ANY CIRCUMSTANCES**



## POOL USER WARNING LABELS

19

The manufacturer has provided warning signs to prevent diving and/or jumping into your pool. Alert all pool users to these signs.

Should you need additional labels for any reason, the manufacturer will supply these labels to you at your request. Simply order the desired label by part number either from your local dealer or direct from the manufacturer.



#490090



#490091



#490021

## SAFETY BROCHURES AND EDUCATION PROGRAMS

20

Educational programs and materials, (i.e. seminars, workshops, brochures, videos, instructional guides, etc.) are available from NSPI, NSPF, other aquatic safety groups, and by private firms. As a means of communicating useful safety information to pool owners and users industry members are permitted to provide such information to owners and to request or require owners to sign a statement that they have received, read and will follow the guidelines.

*The following books are available through the National Pool & Spa Institute:*

**"The Sensible Way To Enjoy Your Aboveground/Onground Swimming Pool"** ...published by the NSPI

**"Children Aren't Waterproof"** ...published by the NSPI

**"Layers of Protection"** ...published by the NSPI

**"Pool and Spa Emergency Procedures For Infant And Children"** ...published by the NSPI

Contact: NSPI  
2111 Eisenhower Avenue  
Alexandria, VA 22314  
(703) 838-0083  
www.NSPI.org

Contact: NSPF  
10803 Gulfdale Suite 300  
San Antonio, TX 78216  
(210) 525-1227  
www.NSPF.org



# SAFETY TIPS - RULES AND REGULATIONS

This section is designed to acquaint you with some guidelines as to the safe operation and use of your pool.



- **Do not dive or jump into your pool. Your pool is approximately 48" or 52" deep. It is not designed for diving or jumping. If you dive or jump into the pool, you run the high risk of permanent injury or death. Alert all family members and guests of this fact. Point out the DO NOT DIVE labels supplied with the pool.**
- **Do not install a slide or a diving board as your pool is approximately 48" or 52" deep and not designed to be used with them.**
- A list of emergency phone numbers of the following should be conspicuously posted and should be kept at hand at the phone nearest to the pool:
  - A. Nearest available police, fire and or rescue unit.
  - B. Nearest available physician.
  - C. Nearest ambulance service.
  - D. Nearest available hospital.



- **Never permit the pool to be used unless at least one person other than the bather is present. Children must always be under careful adult supervision.**



- Never leave the pool open and unattended. Remove the ladders or other means of entry when it is unattended. As a further precaution, the pool should be covered when it will not be used for any extended period of time.
- Do not walk on, climb on, sit on, stand on, or dive from the top seat of the pool. It is not designed for this. If you do, you run a risk of permanent injury or death from a serious fall.

- Never run the filter while there are swimmers in or around the pool. Be sure electrical hook-ups comply with national and Local electrical codes.
- Do not dispense chemicals into the pool while the pool is being used. Poisoning or painful skin irritations can occur.
- Do not permit horseplay or dangerous water games in and around your pool. Remember that the pool area may be wet and slippery, and accidents resulting in serious injuries can be prevented if rules of behavior are strictly enforced.
- Keep the water sanitary and healthful at all times, maintain pool sanitation with the use of a good filter system and the regular application of water purifying chemicals. Unsanitary water is a potential health and safety hazard.
- Lighting should be provided to illuminate safety signs, deck surfaces, and walks during nighttime pool use.
- Do not allow toys, chairs, tables, filtration system's pumps, heaters or other objects that a young child could climb, to be within four feet (4') of the pool.
- Teach your children to swim.
- Parents and or guardians should learn C.P.R.
- Keep all electrical radios, speakers and other appliances away from the swimming pool.
- Keep the deck and pool area clean and clear of objects that may create a tripping hazard.
- When you touch the filters, pump or electrical parts, make sure the ground under your feet is "Bone Dry".
- Face pool ladder(s) going up or down.
- Allow only one person at a time on the pool ladder(s).
- Instruct pool users about the proper use of all pool ladder(s) and staircases.

**COMMON SENSE SAFETY PRECAUTIONS  
CAN PREVENT ACCIDENTS AND SERIOUS INJURY**

## PREVENTATIVE MAINTENANCE TIPS

- Use clear lacquer or clear nail polish to cover screw heads.
- Use clear lacquer or nail polish to cover any scratches on ledges or verticals to prevent rust and corrosion.
- Use wax to protect the pool wall and frame from the elements.
- Never leave the pool drained (without water). This can cause liner shrinkage and damage the pool wall and frame.
- If you use the Thru The Wall fittings for your filter and decide to dismantle your pool or remove your liner, it is possible that you may not be able to realign these holes and a new liner may have to be purchased.
- Check regularly for signs of wear or loose bolts that could make the pool, the pool ladder, the pool deck, or any other related object unsafe.
- For pool service, select a certified pool professional.

### WARNING

Check all the metal on the pool frame and pool wall for signs of corrosion or deterioration. Remove any corrosion and touch up with paint. Excessive deterioration can lead to failure of the pool structure, which might release large quantities of water that could cause bodily harm and property damage.

Make sure skimmer does not leak as this will corrode the pool wall and cause a split in the wall that is not covered under the pool warranty.

### DANGER

After the pool has been completely assembled and filled with water, do not attempt to make any structural changes or to disassemble the pool. Disregard of the above warning can cause pool collapse, property damage and serious injury.

## LIFE SAVING EQUIPMENT

It is recommended that one or more of the following lifesaving items are on hand at all times within the pool area.

- A. A light, strong, rigid pole (shepherd's crook) not less than 12' long with blunt ends.
- B. A 1/4" diameter throwing rope as long as 1 1/2 times the maximum width of the pool, or 50' whichever is less, which has been firmly attached to a ring buoy with an outside diameter of approximately 15" or some other similar flotation device.

## WINTER CARE

**GENERAL COMMENT:** In as much as these pools are distributed to users in all geographical areas and are installed under varying climactic conditions, you must use your own judgment to determine the wisdom of leaving your pool up through the winter. The manufacturer cannot assume any responsibility for pool failure which might result from winter hazards, or from misuse or neglect. To winterize your pool properly you must follow these steps:

1. If thru wall skimmer inlet and outlets are used, the skimmer must be blocked off with a block off plate to prevent any water from laying in the skimmer. The return fitting must also be blocked off by using a plug on the inside of the pool. It is very important that the return fitting not protrude into the pool and that water is not allowed to flow into the skimmer. If this is not followed, when the ice in your pool forms it will grab onto your skimmer and return fittings, and if the ice should shift it will rip your wall at these locations.
2. A properly sized ice compensator (pool pillow) must be secured in the pool water to relieve the ice pressure that can exert severe pressure on the pool wall.
3. Proper chemicals must be used in order to prevent algae growth throughout the winter. A strong concentration of chlorine and an algaecide will help.
4. A cover must be used to keep out dirt and debris from the pool. It is important when securing the cover that enough slack is used so that it rests on the top of the water so that the pressure is not on the pool frame. A build up of snow on the top of the cover should be removed.

While the pool is winterized it is important that it remain undisturbed throughout the winter months.

## CARE OF POOL WATER

**AT THE START OF THE SEASON HAVE YOUR WATER TESTED AT A PROFESSIONAL POOL STORE**

## HOW TO KEEP WATER CLEAR AND HEALTHFUL

Your health, and maximum enjoyment is assured by keeping your pool water in sparkling clear and sanitary clean condition. In order to obtain this condition certain equipment and chemicals available at your pool dealer are necessary.

Equipment, such as a filter according to the size of your pool, skimmer and a vacuum cleaner will take care of removing suspended particles, leaves and oils from the water. A small wading pool for washing the feet of those entering the pool and a pool cover when the pool is not in use are recommended to reduce dirt in the water. Utilizing this type of equipment will keep your pool sparkling clear, but it will not purify the water. Purification (killing of bacteria and algae) is accomplished by the use of chemicals.

Chlorine is the most commonly used bacteria killer for water. To make the chlorine work properly it is necessary to keep the pool water at the proper acid-alkaline balance.

A reliable pool water test kit will help to determine the daily chlorine dosage and the acid-alkaline condition of the water. You will find in the test kit two different color comparators. The yellow side is for chlorine. The color of your pool water sample after adding some drops of chlorine indicator solution should be in the range of the color comparator of 0.3 to 0.6 p.p.m (parts per million). If the reading is below 0.3, add more chlorine to the water. If the reading is higher than 0.6 add fresh water to the pool or leave it unused until the reading drops. A too high content of chlorine will irritate the skin and eyes. The pink side in the test kit will help you establish the acid-alkaline condition of the water. The color of your pool water sample after adding some drops of pH indicator solution should be in the range of 7.2 pH to 7.6 pH of the second color comparator. PH is the technical term for the measure of acidity or alkalinity of water. Readings below 7.0 indicate acidity, while readings higher than 7.0 indicate alkalinity. At 7.0 pH the water is neutral.

The pool water should be kept slightly alkaline at 7.2 to 7.6 pH. At this reading the water will be soft, comfortable and the chlorine most effective. If the pH reading goes below 7.2 add soda ash. If the pH reading goes over 7.6 add sodium bisulfate.

**An acid condition will cause rapid consumption of the chlorine, irritation of eyes and skin and will corrode the pool equipment. *On the other hand* a higher degree of alkalinity will slow down the chlorine action of killing bacteria and algae, make the water cloudy and diminish its freshness.** A higher than pH 7.8 alkaline condition of the water will cause stiffness, brittleness, and considerable shrinkage of the liner. Since the chlorine compound is basically alkaline, the continuous use of it will increase the alkalinity of the water.

At the beginning of the season treat your pool water with a water conditioner to prevent the building up of a high degree of alkalinity. Some algae and bacteria become immune to low chlorine concentration, therefore, every two weeks the pool should be super-chlorinated (shock treatment) with about double or even triple the normal dosage of chlorine. Do not use the pool after shock treatment for at least 12 hours, then check chlorine content and pH and make sure both are in the right balance.

**At the start of the season use algaecides to prevent growing of algae and add it regularly to reduce chlorine requirements.**

Hard water: high content of minerals or iron in the water - often found in well water - will react with chlorine lowering its action. By adding alum powder (turn off the filter during this process) coagulated particles will settle to the bottom and the water will become soft. Do not use the pool for 24-48 hours, then turn on the filter, vacuum and check pH and chlorine content. (Replace the filter element).

### IMPORTANT HINTS:

Follow the label directions of the manufacturer when using chemicals. However, the real chemical balance depends on various factors such as volume of pool water, temperature, exposure to sun, dirt and number of swimmers. Therefore, make sure the reading for chlorine is always 0.3 to 0.6 p.p.m and the pH 7.2 to 7.6

Check the chlorine and pH every evening, when nobody is in the pool and adjust according to reading the necessary amount of chemicals. Before using the pool the next day check again to make sure the water has the right chemical balance. A strong chlorine smell above the pool water indicates evaporation of chlorine. More chlorine should be added to the water. Be sure to check pH level again.

All chemicals must be dissolved thoroughly. Improperly dissolved chemicals may cloud the water, shorten the filter cycle and damage the liner. A proper pH and the correct chlorine content of the pool water are essential for the protection of all metal parts.

Keep filter running when adding diluted chemicals.

**WARNING**

**PREVENT DROWNING. NEVER SWIM ALONE. WATCH CHILDREN AT ALL TIMES.  
KEEP A 4 FT. CLEAR SPACE AROUND POOL FREE  
OF ANY OBJECTS THAT MAY PROVIDE ACCESS TO THE POOL**



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