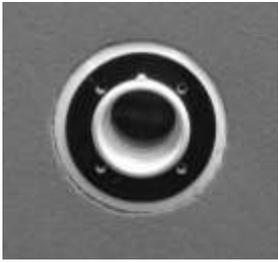


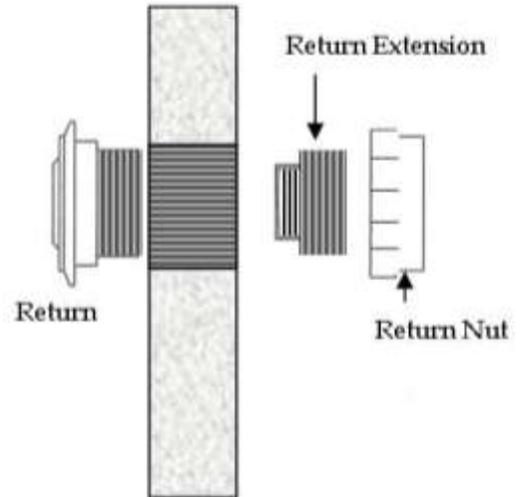
RETURN , SKIMMER, and INSULATION CONTINUED



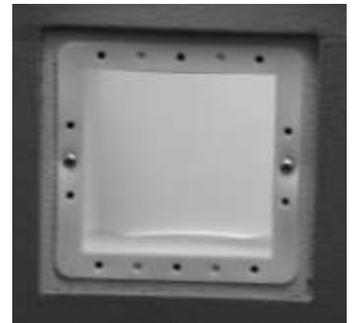
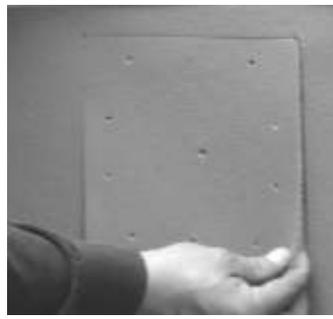
Installed return fitting



Outside view of the return



Using an awl or nail locate the screw holes on the skimmer. Place four screws, one on all 4 sides, in the skimmer faceplate to hold in place while you carefully trim the insulation around the faceplate. Remove the faceplate and section of insulation.



Place the shop vac hose through the skimmer about 8" above the sand cove and duct tape and seal all the holes on the skimmer and return. Attach the shop vacuum to the hose and tape around the hose and hole for an airtight fit. The shop vacuum removes air from behind the liner and to help work the wrinkles out of the liner.



Be sure all top tracks are installed end to end and cut the last piece to size. Overlap your last piece, mark with a pencil, cut with a hacksaw and place the piece on the pool.

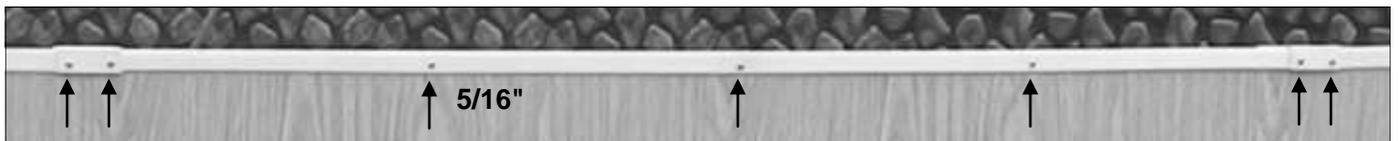
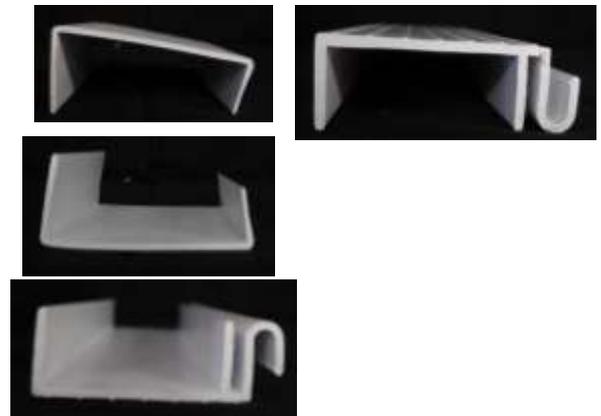
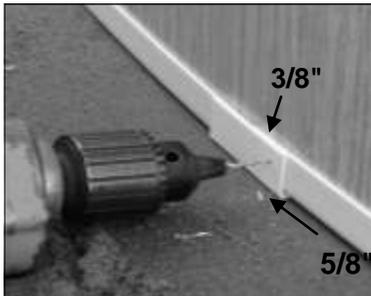
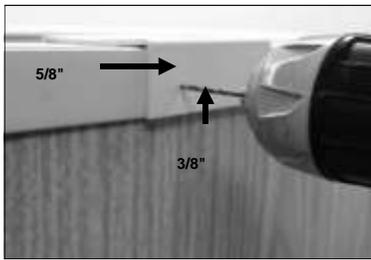


Measure 3/8" from the bottom of the top clip and the top of the bottom clip and 5/8" in from the left and right side of the bottom and top clips. The measurements are approximate, see picture below.

Pre drill all holes with a 5/64" drill bit. Place two Phillips pan head screws in each bottom and top clip.

Be sure the top and bottom clips are centered over the tracks seam, so that one screw goes into one track and the other screw goes in to the opposite track. Install three other Phillips pan head screws, one half way in between the bottom and top clips and two more screws 1/2 way in between the other screws.

Do this by measuring 5/16" up from the bottom of the top track and down from the top of the bottom track and pre drill with a 5/64" drill bit. This will give you five screws per section as pictured below.



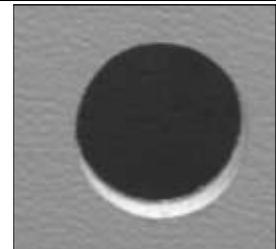
RETURN

Screw placement top and bottom

The return fitting needs to be cut with a 2 7/8" hole saw. Measure 24" from the right side of the skimmer and 9 1/2" from the top of the wall. Drill the hole and use a half round file to enlarge the hole slightly(inside wall only) remove any burrs and to smooth for a proper fitting return. Try the return fitting to be sure it will fit and then remove until a later step. **Be sure not to drill the return where 2 outer wall sections meet.**



Use 2 7/8" hole saw to drill out return fitting



OPTIONAL SPRAY ADHESIVE AND PUT INSULATION ON INTERIOR WALL

Spray adhesive ahead of where you are working. Keep the insulation tight against the wall, tight to the top, smoothing the bubbles and wrinkles out as you go. Be sure not to stretch the insulation. At the end overlap the insulation and cut through both layers at the same time with a utility knife to make a smooth straight seam, remove the inside section of insulation and you have a perfect cut. Use extra spray adhesive in this area and cover the seam with 3 layers of duct tape.

Spray adhesive ahead of where your working, smooth out bubbles with your hands and overlap at the end and cut.

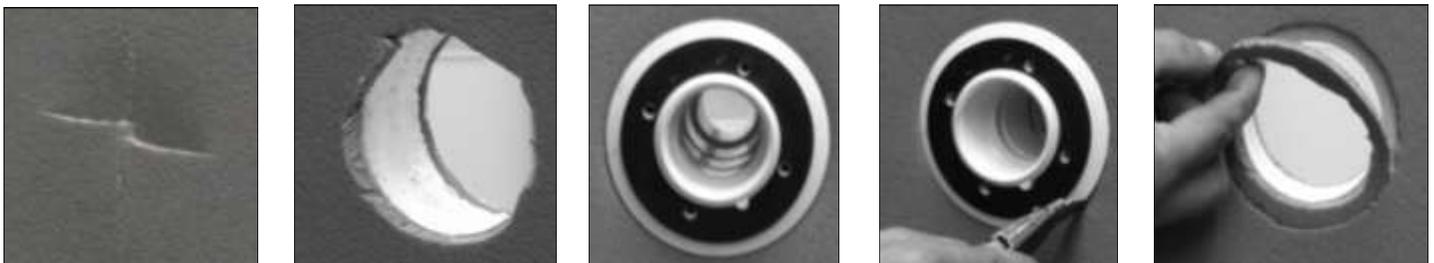


Cut through both layers at the same time, remove inside piece and place 3 layers of duct tape on the seam



RETURN , SKIMMER, and INSULATION

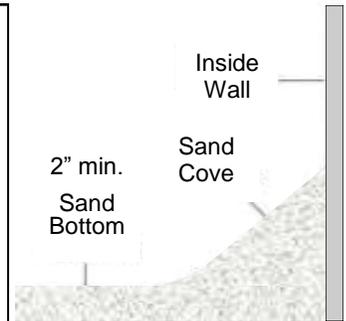
From the inside of the pool find the return fitting through the insulation. Place an x in the return fitting hole and then cut out the circumference of the return hole. Remove the insulation and install the return fitting. Trim the insulation around the return with a utility knife and remove. Install the return fitting, extension and nut on the outside of the pool. Take the return extension and apply Teflon tape on the threads of the smaller side. Thread into the backside of the return fitting and thread return nut on the return extension.



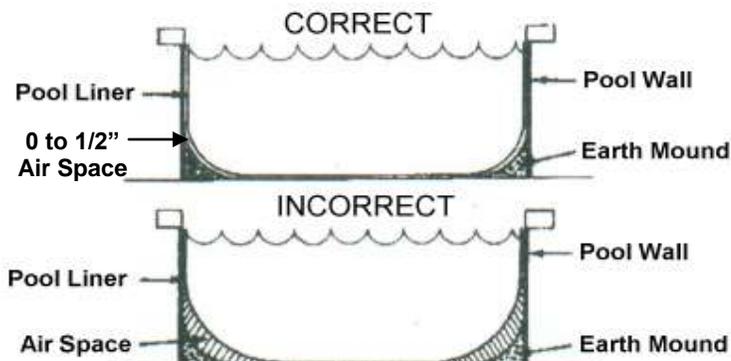
All threaded connections should be prepared using a combination of Teflon tape and marine grade silicone.

SAND COVE

Prepare the 6" sand cove which goes 6" up the wall and 6" down the pool floor, cove will vary with weather conditions(ex: warmer weather - smaller cove cooler weather - larger cove) or if installing a deep center. Rake out the bottom, level and smooth the 2" sand bottom with a 4 foot aluminum rake. Be careful not to mix the lower material with the masonry sand bottom while raking. Keep bottom wet with a garden hose constantly while tamping the bottom and sand cove. When finished smooth with a broom.



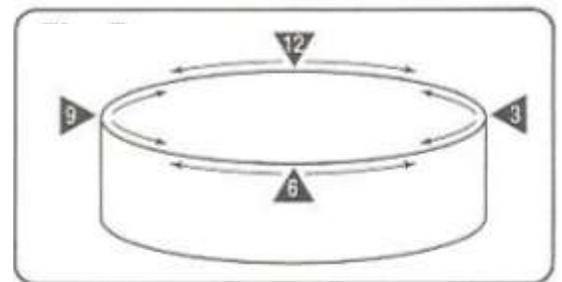
Inside view of the pool preparing bottom with rakes, tampers and garden hose



The beaded liner easily snaps into the top track

Tip: Store the liner somewhere warm before installing

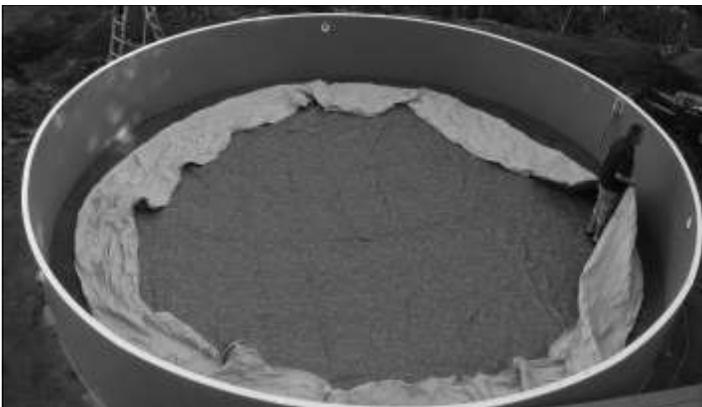
Tip: When installing the liner begin at 12, 3, 6 and 9 o'clock positions using coins or washers to temporarily hold the liner place. Make sure you attach the wall perpendicular to the floor of the pool. Then from any 2 positions, work the liner onto the wall to the center in between 2 positions ex: starting at 12 and 3 and working to the middle. Continue until you have the liner in the top track all the way around. If you do not attach the wall in this manner and begin from one location working your wall completely around the pool, one of two situations will exist. Either you will have an excess of material or not enough.



LINER

Refer to the liner manufacturer for instructions on installing the liner.

1. Be sure to remove any tools, sharp objects and metal shavings around or in the pool. Place the closed liner carton in the center of the pool.
2. To avoid damaging the liner, **DO NOT** use a knife or anything sharp to open the carton.
3. Unpack and unfold the liner and inspect all seams for tears and surfaces for holes.
4. Spread out the liner. The curved seam should be centered on the cove at the base of the wall. Take the wall material and place it towards the center of the pool. Line up the floor seam and the wall seam evenly around the inside of the pool. The other seams will form straight lines across the bottom of the pool. See below.
5. Install the bead of the liner into the top track, Using the 12,3,6,9 o'clock positions illustrated on page 20.
6. **Adjusting liner:** When working liner around the pool and you end up with **excess**, you need to remove liner or slide it in the track if possible and start leaving liner material behind to distribute excess material. When working the liner around the pool and you don't have enough material, you need to remove liner or slide it in the track if possible and bring liner material with you to make up for **lack** of material.
7. To remove air from behind the liner, use the shop vac that you have prepared in a previous step.
8. Turn shop vac on. Make sure you keep shop vac hose above the water level at all times. While shop vac is running, you should be adjusting the liner with short tugs to eliminate wrinkles. You will need to turn the vac off to make liner adjustments. Adjust the problem area before continuing with the vacuum suction.
9. If the **liner appears to tight** and is not resting on the sand cove, you may need to pull the liner out of top track and add sand to the cove. After you work out all the wrinkles and the **liner appears loose**, you may need to remove liner and take some sand from the cove. The liner will stretch a little, you must make sure that there is a slight draw down of the liner or the liner will be loose and pop out of the top track
10. Once your liner has the proper fit, start filling the pool with water. As the pool fills, work out wrinkles and smooth liner to the walls. Keep smoothing out the wrinkles. Turn off the shop vac and remove the hose once the water comes up past the sand cove.
11. Do not install face plates, inlets, light fixtures, etc. until water reaches 3" below each opening. Premature installation might result in the liner tearing away from the opening due to stretching as the water level increases!.



RETURN and SKIMMER

Once the water level reaches 2"-3" from the skimmer and return, install the faceplates. Carefully locate the screw holes for each opening. Once located carefully puncture the liner with an awl or nail. Attach the faceplate with stainless screws provided and hand tighten snug. Using a utility knife, mark an x in the opening and carefully trim the liner out of the inside openings for the skimmer and return.

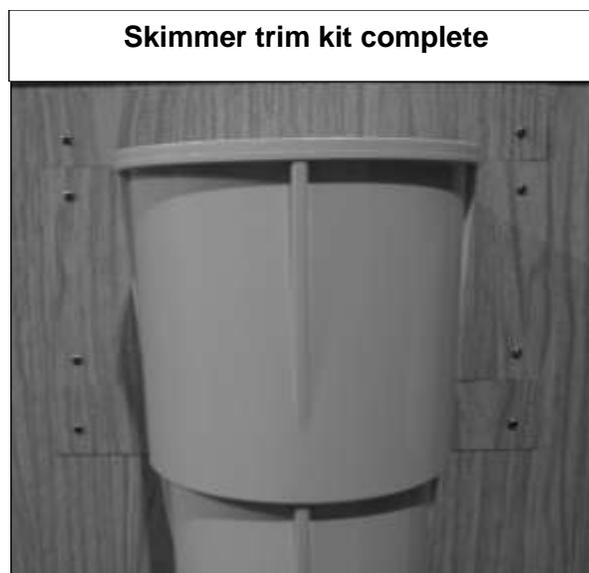
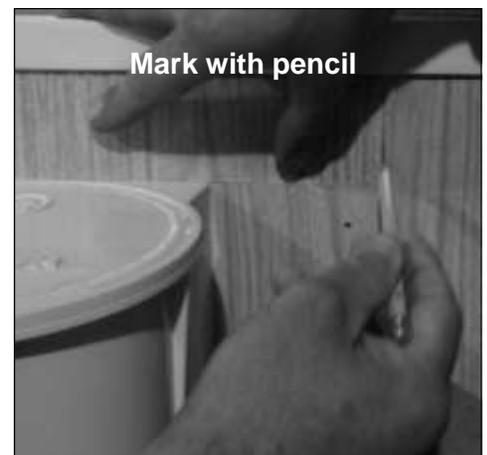
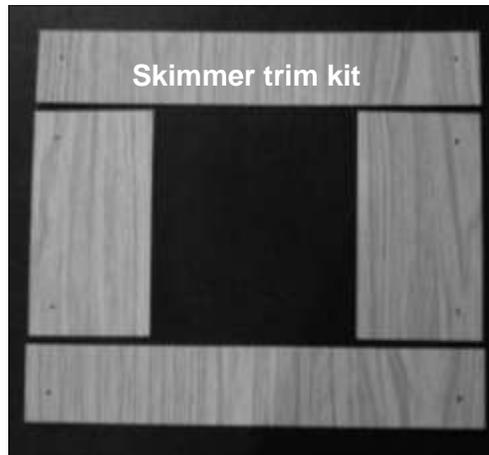
When done install the eyeball into the return.

Follow the skimmer manufacturers instructions for additional parts to the skimmer.



SKIMMER TRIMKIT

The skimmer trim kit comes in 4 pieces with pre-punched holes where the screws need to be installed. Starting with the top piece, make sure the top piece is sitting level on top of the skimmer and is lined up with the side piece and mark the top piece with a pencil mark on the side. Set the side piece to the side, and pre-drill the holes and install the top piece with the 2 pan head screws. Place both side pieces on next and then the bottom piece pre-drilling and using the same screws. After all pieces are placed on, use 100 % clear silicone on all seams of the trim kit . Apply silicone to all 4 sides of the trim kit next to the skimmer and all 4 sides to the outside of the trim kit on the pool wall.



Tools Needed

Phillips screwdriver
Flat head screwdriver
Rakes & shovels
Tamper
Broom
Channel locks
Hacksaw
50' measuring tape
Hole saw 2 7/8
Hammer
Straight plank or
Transit
Pegs or stakes
2 ft and torpedo level
Extension cord
Wheelbarrow
Drill
7/16 socket
wrench
5/16 drill socket
1/4 & 5/64 drill bits
Shop vacuum
Safety glasses
Fine half round file
Clamp (pre-drilling
wall)

Materials Needed:

Duct tape
Patio blocks
Masonry sand
Sand paper
Clear silicone
2 4'x4' pieces of
plywood for wall
installation

App. sand in tons:

8' 1
12' 1.5
15' 2
18' 3
21' 4
24' 5
27' 6
30' 7
33' 8

Landscape

Above ground landscape: Once you have completed your new swimming pool, you need to landscape around the pool properly. Be sure to cover the bottom track to prevent wash out or water damage to the pool.

Landscaping is very important for a long lasting pool.

Semi in ground or sloped ground landscape: If you are in clay or rough rocky ground you should back fill with a material that is clean, well draining. No rocks or clay should be backfilled around the pool. To minimize the impact of heavy rain and high ground water conditions, water must drain away and not stay around the pool or damage may occur.

Winterization & Off Season Maintenance

- 1) Be sure the pool water is properly balanced and clean for the winter or off season.
- 2) Vacuum the pool thoroughly to prevent liner staining. Lower the pool a few inches below the skimmer and maintain this level throughout the winter or off season. For a good test for a slow leak in your liner, check the level of the water in your pool for about one week.
- 1) Remove the skimmer weir and basket and install a winter freeze plate on the skimmer and place Styrofoam inside. The reason for is to prevent ice from forming a solid block that could damage your skimmer and pool.
(if in freeze zone)
- 2) Remove the directional (eyeball) and place a winter plug in the return.
- 3) Dismantle and winterize the filter and pump, refer to manufacturers manual. Be sure to dismantle and completely remove water and all drain plugs. Bring inside if possible.
- 4) Remove hoses from pool, any ladders, walk in steps, solar covers. Do not leave anything in the pool.
- 5) For some specific how – to instructions for your particular area in the world, contact your local pool professional.
- 6) The pool must be kept filled with water a few inches below the skimmer at all times. The manufacturer shall not be responsible for any damage that may result when the pool doesn't have the proper amount of water.
- 10) Do not let snow, ice or water build up in the pool, keep the snow, ice and water level below the skimmer to avoid winter or off season damage. Improper winterization and improper off season maintenance will void the warranty.

If you have any questions about specific instructions for winterizing your pool contact us at info@aquafallsinsulatedpools.com

The liner, skimmer, light, filter, ladder and other accessories are manufactured by separate companies, the warranties are through the products manufacturers not AQUA FALLS Insulated Pools, be sure to send in any warranty cards if applicable.

Lifetime Limited Warranty

Residential Use Only

This warranty is offered by AQUA FALLS INSULATED POOLS herein called the "manufacturer". The manufacturer is only responsible for the metal component parts that they have manufactured, against manufacturers defects. This warranty does not extend to equipment and other accessories not manufactured by AQUA FALLS INSULATED POOLS. The warranty is subject to the following terms and conditions

- 1) After reading the warranty card, please complete and return the attached registration card within 30 days of delivery or 15 days after installation whichever comes first. **Unless the warranty card is returned as directed this warranty is null and void.**
- 2) The warranty is extended to the original purchaser/consumer only and is transferable only if a warranty transfer is obtained within 30 days of purchase.
- 3) The pool must be properly maintained, and pool must be kept filled with water at all times, to a minimum of 2" to 3" below the skimmer to be covered under warranty. If the pool becomes empty or lower than the recommended level of water, the manufacturer is not responsible for any damages that occur. The pool installation, in season pool maintenance, winter or off season maintenance must conform to all requirements as described in the installation manual or the warranty is void.
- 4) The manufacturer is only responsible for the metal component parts that they have manufactured; wall, hardware, straps, out riggers and hold down plates. See separate warranty for liner, skimmer, return, filter, ladder, and accessories.
- 5) If a suspected factory defect is encountered the purchaser must be willing to return part (s) to the manufacturer for inspection and must bear the expense of cleaning, packaging and shipping incurred with this requirement. Only after receiving prior written authorization from the manufacturer may parts be returned to the manufacturer for inspection and/or replacement. Parts must be accompanied by a proof of purchase, the age of the pool is a factor in the warranty.
- 6) The manufacturers sole and exclusive liability for defects in material or workmanship shall be limited to repair or replacement at the factory. The manufacturer shall in no event be liable for the cost of water, chemical replacement, or any other cost incurred due to removal, re-installation of defective parts or components.
- 7) Winter warranty : The manufacturer will repair or replace any of their manufactured components, as listed above, damaged due to ice or snow directly on the pool wall only. Any damage caused by accident, vehicle, trees or tree limbs, ground movement, water, improper maintenance, vandalism or any other acts of God are excluded.

AQUA FALLS INSULATED POOLS 1341 SARATOGA ROAD GANSEVOORT NY 12831

info@aquafallsinsulatedpools.com

www.aquafallsinsulatedpools.com

518-798-1824 fax: 518-798-0237

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I have read and understand the warranty, all instructions contained in the installation manual and the material related there to pertaining to installation and erection of the pool and the prevention of potential hazards that can result in physical injury. I have received safety stickers and have posted one at the entrance of the pool. I will advise others of the safety rules listed in the installation manual and I will enforce them.

Owners Signature: _____ Date: _____

Name _____

Address _____

Pool Size _____ Purchase From _____

Installed by: _____ Date of Installation: _____

Date Purchased _____ Retail Price _____

Be sure to affix the safety stickers and advise others of the safety precautions as advised and agreed above.

Mail to: **Aqua Falls Insulated Pools 1341 Route 9 Gansevoort NY 12831**