

Model 8939 Wide Mouth Thru-Wall Skimmer INSTALLATION INSTRUCTIONS

1. Begin by assembling the wide mouth extension to the skimmer housing using (8) #8 Phillips Head screws and the 8946 Gasket. The eight holes are the ones that are recessed in the extension piece. There are 2 holes on each side at the rear of the extension.
2. If pool wall has factory pre-cut for a skimmer and return fitting follow these instructions, otherwise go to step 3 below.
 - a. Locate the wall opening, and punch out the (22) neenly two 1/4" holes, and rectangular cut out.
 - b. Find the pre-cut area for the return fitting and knock out the cut out.
 - c. With a file or piece of sandpaper remove any metal burrs that may cut the liner or yourself during the assembly.
 - d. Go to step 3 and go directly to step 4.
3. If the pool wall is NOT factory pre-cut for a skimmer and return follow these instructions.
 - a. Using the Hole Template Guide, locate the area against the metal wall at your desired position. (The water level should be approximately at the mid point of the face plate.) Be careful that the alignment bolts and hardware do not interfere with the top corner of the 4" x 4" pool structure.
 - b. Using the Hole Template Guide drawing for spacing details, drill (22) 1/4" holes. With a pair of tin snips cut a 5-5/8" x 12" opening in the wall, again using the drawing as a guide.
 - c. Next, find a desired location for the return fitting. The cutout should be approximately 6" below the desired water level. Cut a 2-3/8" diameter hole.
 - d. With a file or piece of sandpaper remove any metal burrs that may cut the liner or yourself during assembly.
4. Skimmer Installation procedure:
 - a. Select one of the 8905 hose adapters and screw into the bottom of the skimmer housing using the Teflon tape. **Cautions:** these are pipe threads and over tightening can crack the housing. **Notes:** Do not use any type of glue or sealant on these threads.
 - b. Place one of the 8917 Wide Mouth skimmer gaskets on the 8918 skimmer face, making sure that the holes in the gasket align with the holes in the skimmer face.
 - c. Align the skimmer face and gasket with the drilled holes in the wall panel and fasten with (4) four pan head screws. There are the 4 short screws in the hardware set. The holes are located on the top and bottom of the housing. They are the 3rd hole in from each side of the housing.
 - d. Install the vinyl liner according to the swimming pool manufacturer's instruction. **Do not cut any holes in the liner at this time.** Fill the

5. To clean the 8928-skimmer basket, remove the 8927 top cover; and remove the basket. It is recommended that the pool pump be shut off.
4. To vacuum the pool follow these directions:
 - a. Remove the top cover or fold the 8926-flap forward and squeeze pins toward the center and remove. It is not necessary to remove the 8928 basket.
 - b. Fill your vacuum hose with water by temporarily inserting the hose cuff into the return fitting while the pool pump is on. Make sure all the air is removed from the hose.
 - c. Take the 8929 Vac adapter, which consists of the plate and elbow, and attach to the hose thru the opening of the wall and place down inside the housing. Try to keep the hose cuff submerged during this process so no air gets back into the hose to cause the pump to cavitate and lose its prime.

Winterizing Procedure

Drain pool level approximately 2" to 4" below skimmer opening. Remove the "eyeball" fitting in return and securely plug wall fitting with 1-1/2" plugs from your dealer. Disconnect all hoses from the skimmer and wall fitting. Be sure that the skimmer is kept from freezing accidentally. **Your warranty does not cover damage caused by the formation of ice in the skimmer housing.**

Parts List

Model 8939 Wide Mouth Thru-Wall Skimmer System includes:
 Skimmer Housing
 Wide Mouth Extension
 8918 Wide Mouth Front Plate
 8927 Locking Top Cover
 8926 Flap Weir
 8905 Hose Adapters
 8929 Vac Adapter & Elbow
 8949 Return Fitting including "Eyeball" & Gaskets
 (2) 8905 Hose Adapters 1-1/4" and 1-1/2"
 8917 Wide Mouth Skimmer Gasket Set (2 Pcs.)
 Stainless Steel Philips Screw Set (30) Pcs. - (26) #10 x 1" flat Philips heads and (4) #10 x 5/8" short pan heads
 8946 Rult Teflon Tape

pool to approximately 2" below the return fitting before proceeding to the next steps. Adjust the liner as necessary as pool is filling.

e. Align the second 8917 gasket and face plate and fasten tightly to the skimmer face with the 16 remaining stainless steel Phillips head screws.

f. You should now have a sandwich of materials between the face plate and the skimmer housing as follows: the 8918 Face plate, 8917 gasket, the vinyl liner, the metal wall panel, 8917 gasket and then the skimmer housing Wide Mount extension.

g. Connect the filter hose on the suction side of your filtration unit to the 8905 hose adapter on the side of the skimmer housing. Secure with a hose clamp. **If at all possible fit your pump system while you are filtering or vacuuming your pool, check the hose connections between the skimmer housing and pump inlet for an air tight fit and that you have a good seal with the hose adapters to make sure no air gets into the pump system midway up on the face plates.**

h. Cut the vinyl liner along the inside edges of the face plate with a razor blade or sharp knife.

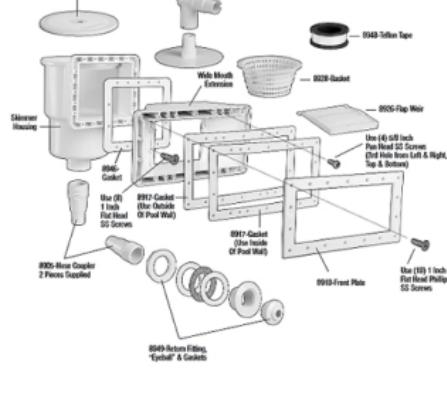
5. Return Fitting Installation Procedure:

- a. Gently press the vinyl liner at the circular wall-fitting opening to locate the exact position. Make a circular cutout in the vinyl liner approximately 1-1/2" from the wall opening in the wall.
- b. Disassemble the 8949 return fitting into the return fitting opposite of the flange end. Use the Teflon tape for a sealant. **Use caution not to over tighten as it may crack the fitting. Never use any type of glue or sealant on the pipe threads.**
- c. Place one of the cork gaskets, from the 8949 set, on the eyeball side and install the pool. Next, place the cork gaskets followed by the rubber gasket over the rear of the fitting and screw the locknut hub up tightly.
- d. Secure the 8949 return fitting to the directional bell fitting into the flange side of the fitting. Direct the flow of water away from the skimmer opening.
- e. Connect the return hose to the pressure side of your filtration system. Secure with a hose clamp.

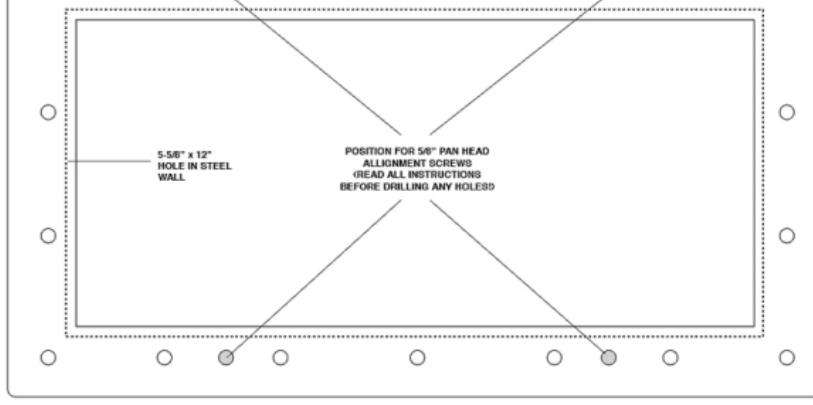
Operating Instructions

1. Make sure you keep the water level in the pool midway up the face plate. If the water level falls below the recommended level, water may cavitate in the fitting and damage the pool.
2. To adjust the inlet flow direction loosen the knurled outer ring of the "eyeball" portion and move the bell to the desired position.

8939 Wide Mouth Thru-Wall Skimmer Exploded View



TOP



HOLE TEMPLATE GUIDE