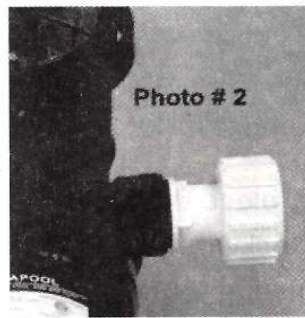
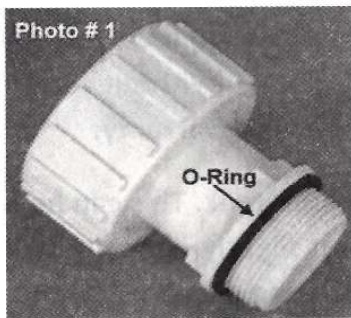


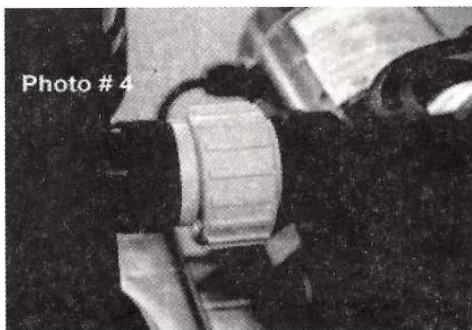
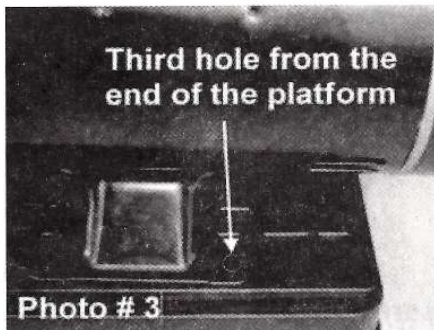
Pump and Filter Mounting Instructions

1. Remove the filter, pump box and the mounting platform from the master carton.
2. Remove the pump from the pump packaging box. The pump strainer lid is located in one of the foam packing inserts. The filter pressure gauge, the pump / filter mounting hardware and the white connector fitting are located in the pump strainer basket. These should be removed for later use.
3. Position the pump strainer cover on the strainer housing and turn the handle ring clockwise to lock and seal.
4. Place the smaller of the two provided o-rings over the male threads of the white pump and filter connector. Push the o-ring all the way down to the bottom of the threads on the white pump and filter connector – see photo # 1.



Sealant or grease **should not** be used on this o-ring. With the white filter nut ring in place, thread the male part of the pump and filter connector into the pump discharge port – see photo # 2. Tighten firmly but do not over tighten, as over tightening will displace the o-ring from the seat on the adaptor. The other o-ring should be in the groove at the opposite end of the white pump / filter connector.

5. Place the pump on the pump and filter platform. The rear holes on the pump motor mounting bracket should line up with the third holes from the end of the platform – see Photo # 3.



Place the filter on the pump and filter platform. The filter inlet should line up with the pump and filter connector. Check again to be sure the filter o-ring is in groove at the end of the connector. Position the filter so that the o-ring and the white connector are against the filter inlet – see photo # 4. Tighten the connector nut ring onto the filter inlet. Be careful not to cross thread the nut ring.

6. Place the pump bolts (4) and filter bolts (2) with washers through the respective holes. Apply and tighten the nuts from the bottom side of the pump and filter platform. A second person's help will make this step easier, as the pump, filter and platform will need tilted for access to the bottom of the platform.
7. Wrap plumbers tape around the threads of the pressure gauge. Thread the gauge into the threaded hole in the top of the filter lid. Use an open end wrench to tighten the gauge.

The pump and filter can now be plumbed to your pool. The pump inlet and filter outlet will accommodate a 1-1/2" male pipe thread PVC fitting. Threaded PVC fittings should be installed with plumber's tape to prevent leaks.

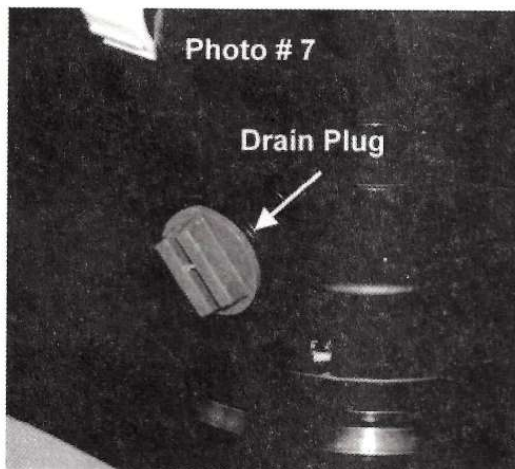
Before starting the filter system, be sure water is in the pump. The pool water should be able to flow freely from the pool, through the filter system, and then return back to the pool. Without water flow, the pump can become severely damaged. This damage is not covered under the warranty.

Once the filter system is operational and running, bleed the air from the filter tank. This can be done by using a flat head screwdriver to loosen (counterclockwise) the air relief nut slightly – see photo # 5. Do not completely remove the nut. You will hear a hissing sound as the air is being displaced by the water that is filling the filter tank. Once water comes out of the air relief nut, tighten the screw to prevent any further leaking.



After the air is out of the filter tank, note the pressure on the pressure gauge. This is your clean starting pressure. Over time, as the filter collects dirt and debris, the pressure within the filter tank will increase. When the pressure gauge indicates a 6 to 8 PSI increase over the clean starting pressure, it is time to

clean the filter element. Turn off the pump and shut off the necessary valves to prevent water loss. Push the filter ring lock down and turn the filter lid ring counterclockwise – see photo # 6. Remove the filter element and use your garden hose to rinse off any dirt that has been collected. Never use a high pressure direct stream from your garden hose to clean the filter element. Doing so will damage the element. Use a fan spray from your garden hose for the best cleaning results. Drain the dirty water from the tank by removing the drain nut located at the bottom of the tank – photo # 7. Replace the nut after the tank has drained. Place the clean filter back in the tank and reattach the filter lid. Tighten the lid ring until the lock catches the notch on the lid ring.



Clean the pump strainer basket as needed. Do not allow the basket to become overfilled with leaves and debris, as this will restrict the flow of water and damage the pump.