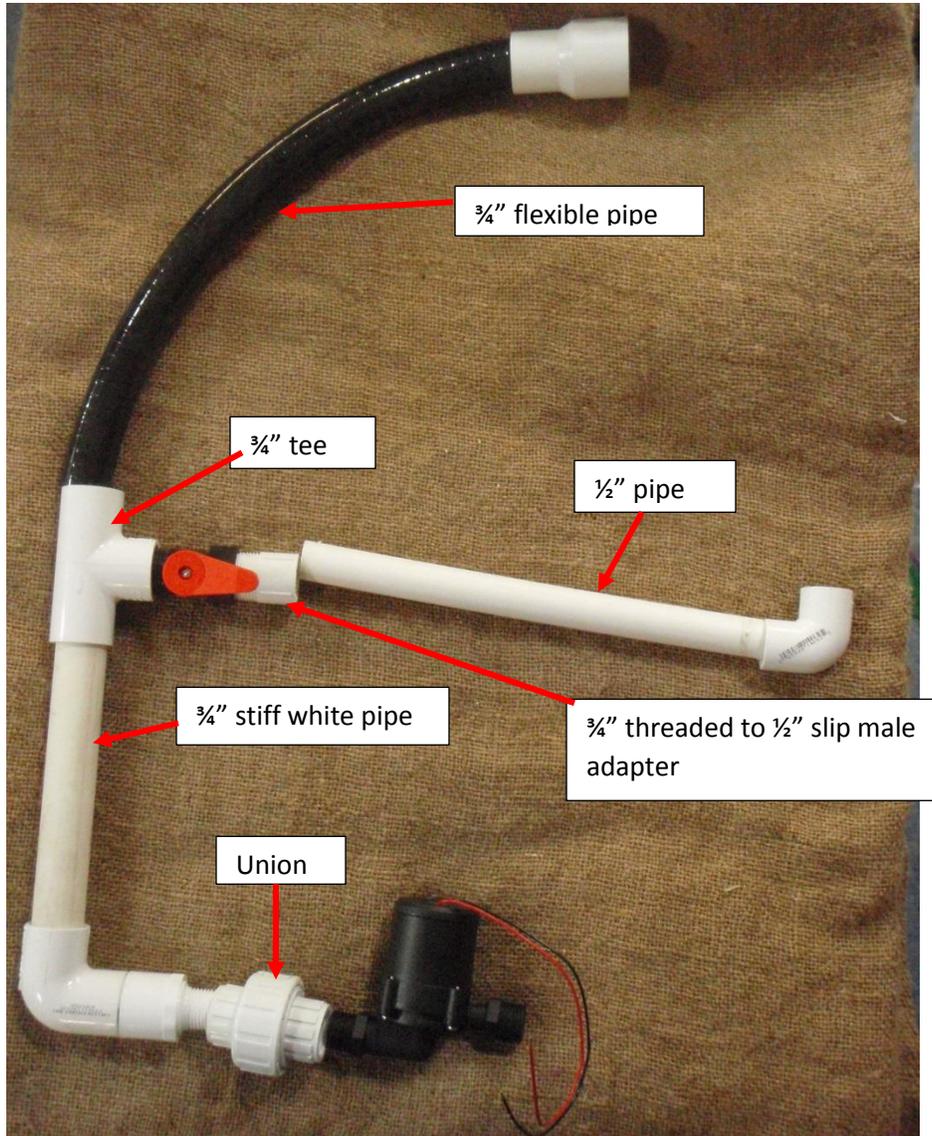


## Assembling the "Pump Harness" for a Class B Pump

We ship this item to you unassembled. This image shows how the pieces go together with a Class B pump.

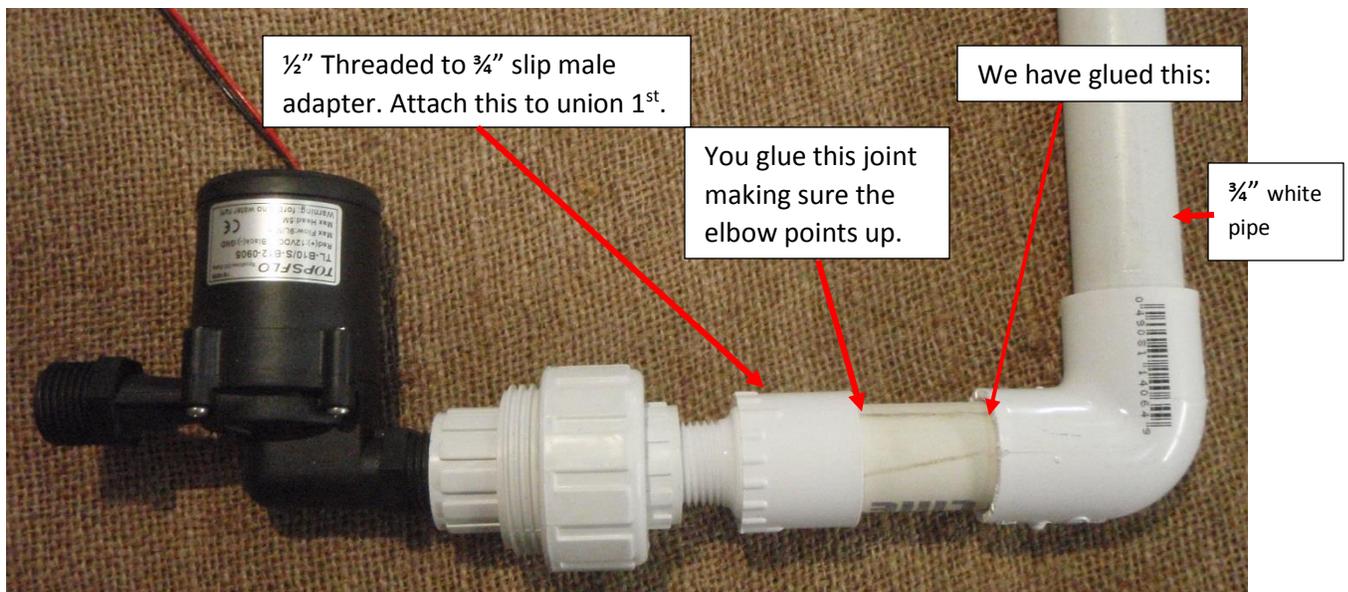


The union is supplied so that it will be easy to remove and replace the pump. Both sides of the union are threaded. It will be easier to use the union if you connect this side of it to the pump:



On the other side of the union, attach the  $\frac{1}{2}$ " threaded to  $\frac{3}{4}$ " slip male adapter.

Line up the  $\frac{3}{4}$ " elbow so that it points up from the bottom of the reservoir. Glue the short piece of  $\frac{3}{4}$ " pipe which is attached to the elbow to the male adapter.



Check the length of the  $\frac{3}{4}$ " pipe compared to the depth of your reservoir. It may fit better if the  $\frac{3}{4}$ " pipe is shorter.

On the upright side of the elbow, add the piece of  $\frac{3}{4}$ " white pipe.

The  $\frac{3}{4}$ " tee is next. It is slip on 2 sides and threaded in the middle. The orange handled valve goes into the threaded side. Glue the tee onto the  $\frac{3}{4}$ " white pipe which you have assembled so far. The (black) flexible  $\frac{3}{4}$ " pipe is glued to the top of the tee.



The purpose of the (black) flexible pipe is to make it easy to route the water supply out of the reservoir into the main 1" supply line. You can attach the flexible pipe to the side of the wooden frame as shown in the pictures in that document.

Then, put the coupling on the end of the  $\frac{3}{4}$ " flexible pipe. Add your 1" pipe to the other side of the coupler.



The final step is to go back to the side of the tee and add the orange handled valve to the side of the tee. Attach the  $\frac{3}{4}$ " threaded fitting with  $\frac{1}{2}$ " pipe connected to it to the other side of the valve.

Use the  $\frac{1}{2}$ " elbow to direct the water back into the reservoir so that it splashes; it doesn't necessarily need to be glued. The splashing keeps the water aerated.