

TUBE THREADING INSTRUCTIONS FOR A-1614-4 PERISTALTIC PUMP

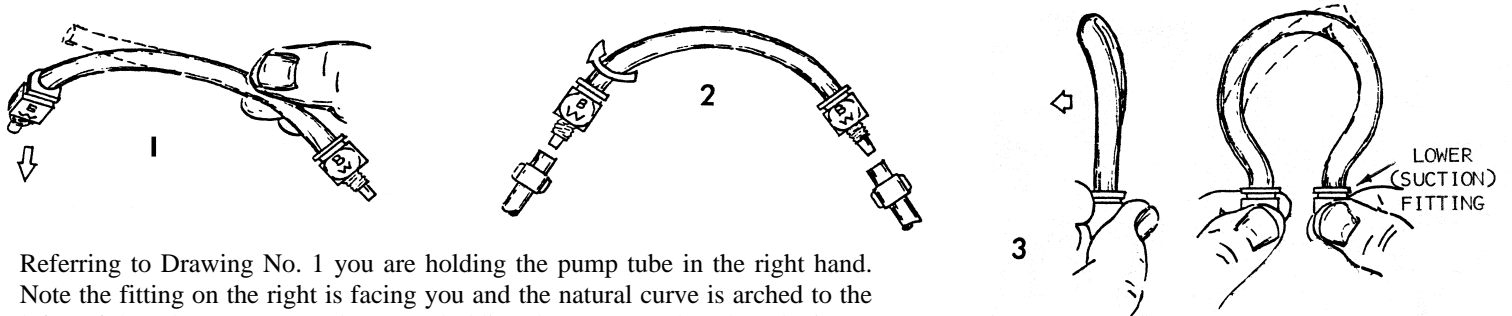
The Pump Tube Assembly should be checked frequently and replaced when it shows a loss of resiliency or cracking, when a loss of capacity is noted or as needed.

REMOVING A WORN PUMP TUBE ASSEMBLY

WARNING: Turn off electric power to pump motor. Be careful not to come in contact with chemicals. Disconnect pump suction and discharge tubing connectors. Pull out red retaining knob from motor shaft. Pull off pump head cover. Pull out the pump tube fittings from the pump head and free the tubing by pulling from the suction (lower fitting) to the discharge (upper fitting). Removal of the pump tube may be facilitated by running the pump while pulling on the suction end of the tubing. **CAUTION:** Keep fingers and other objects away from the roller assembly when running motor. Turn off motor when tube is free. Wipe pump head to remove residue or debris. If necessary clean with a mild soap solution and rinse with clean water. Make certain that the tubing rollers turn freely. Lubricate if necessary. Use only approved lubricants (L-45 Dimethylpolysioxane-Union Carbide or SF96-100 Silicone Fluid-General Electric).

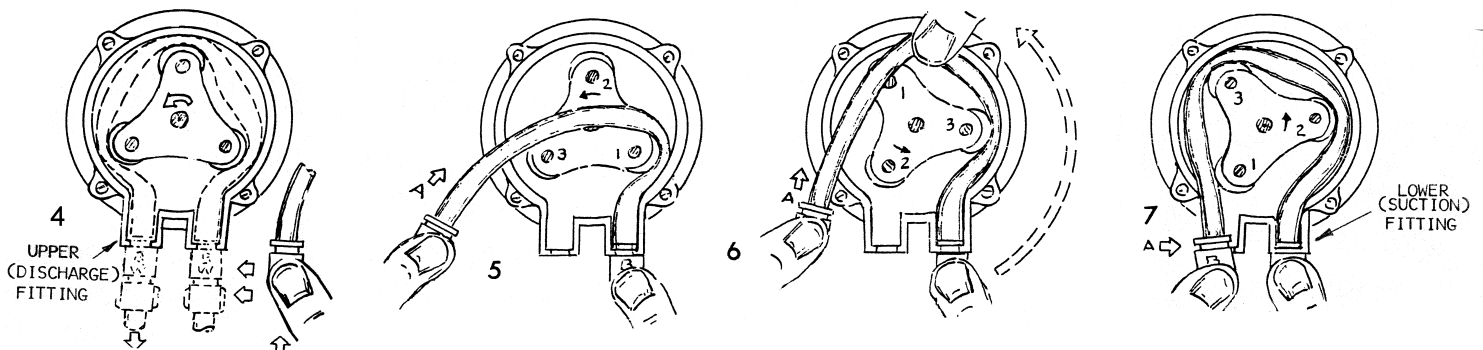
INSTALLING A NEW PUMP TUBE ASSEMBLY

WARNING: Turn off electric power to pump motor. Pull out red retaining knob from motor shaft. Pull off pump head cover. See instructions above for removing old tube, if necessary. Make sure the rollers are away from the suction opening (lower) of the pump housing. Threading the Flexflo Tubing Pump is an easy task if you follow these instructions. When the tube is installed correctly, it will give maximum service and it will not and cannot run outward against the cover. This is a Flexflo unique feature.



Referring to Drawing No. 1 you are holding the pump tube in the right hand. Note the fitting on the right is facing you and the natural curve is arched to the left. (If the tube turns upward you are holding the wrong end as the tube is not symmetrical. Change ends so the tube droops downward in its natural curve.) Note the fitting on the left is facing downward on an angle relative to the right end of about 70°. There will be a slight twisting of the tube while threading into the pump chamber as in Drawing No. 2. This twisting allows for the difference of the inside length to the outside length when the tube is held in a circle. Hold the tube fittings as illustrated in Drawing No. 3.

Note your thumbs are on the flat side over the "BW". When you view it from the left side the loop leans away toward the back of the chamber. The tube must bend away from you without any kinking. To thread in the tube, turn on the pump. While motor is turning insert right fitting slot into the lower chamber lock.



As illustrated in view No. 4 (dotted lines show tubing completely inserted) the fittings will prevent the tube from further twisting and creeping. **WARNING:** Keep fingers and other objects away from roller assemblies.

After the tube fitting is in the lower lock socket, press it firmly all the way in and while holding the tube as shown in Drawing No. 5 press the tubing gently with the left hand in the direction of "A" feeding the loop between the roller arms.

When the tube is riding well between the roller No. 3 (Drawing No. 6) and the pump chamber, then you can move the right thumb to assist the tube to enter the chamber (not required for small tubes).

After the second roller is engaged move the left fitting into the upper fitting keeping the "BW" towards you, Drawing No. 7. Be sure both fittings are pushed all the way in place. Stop the motor and place one or two drops of silicone oil (provided) on each roller shaft before replacing the cover.