7. Slide the hose clamps onto to the hoses before attaching to the hose barbs. Secure the hoses in place by tightening the hose clamps to the hose.

8. The roller pump is not included with the assembly, but must be supplied by the customer. It is intended for this pump to be mounted directly to the tractor PTO.

INFORMATION ABOUT THE SPRAYER

Roller pumps are positive displacement pumps which means that the entire solution being pumped must go somewhere or the pump will break. In this roller pumping system, solution is drawn from the tank and forced to a planned source such as boom nozzles, handgun, or jet agitator. The pressure is controlled by a relief valve which is a spring loaded device that controls the amount of fluid bypassed to the tank. The tee handle on the relief valve is to be tightened to increase pressure and loosened to decrease the pressure.

The directo-valve is the "off-on" control which allows the operator to manually control the solution going to the boom.

TESTING THE SPRAYER

Attach the sprayer to the tractor 3 point hitch. Mount the roller pump to the PTO and affix the torque chain to the roller pump.

Open tank lid and be sure the tank is clean and free of foreign material. Fill the tank about one half full with plain water.

Before starting, open the suction line valve (Ref. 10), turn the relief valve tee handle out to lower the line pressure, and thereby to help to prime the pump. **CAUTION: Always be sure that water has reached the pump before starting your sprayer. If the pump is run dry, serious damage to the pump will result.** Always have the directo valve open to the BoomJet nozzle so that any air which may be trapped in the line will be forced out.

AFTER SPRAYING

WARNING: Some chemicals will damage the pump parts if allowed to soak untreated for a length of time. Always flush the pump with water after use. Do not allow chemicals to sit in pump for extended times of idleness.

After use fill the sprayer part way with water, start the sprayer and allow clear water to be pumped through the plumbing system and out through the BoomJet nozzle.

After use dispose of unused chemicals per instructions of chemical manufacturer. Refill the tank about half full with plain water and use a chemical neutralizer such as Nutra-Sol or equivalent and repeat cleaning instructions above. Flush the entire sprayer with the neutralizing agent. Follow the chemical manufacturers disposal instructions of all wash or rinsing water.

Remove tips from the BoomJet nozzle. Wash tips thoroughly with water or cleaning solution (appropriate for chemical used). Blow out orifice, clean and dry. If orifice remains clogged, clean it with a fine bristle (not wire) brush, or with a toothpick. Do not damage the orifice. Water rinse and dry tips before storing.

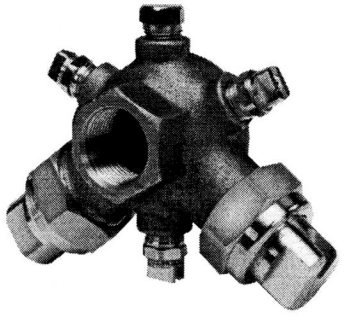
WINTER STORAGE

Drain all water out of sprayer paying special attention to pump & valves. These items are especially prone to damage from chemicals and freezing weather.

The sprayer should be winterized before storage by pumping a 50-50 solution of water and anti-freeze through the entire plumbing. Proper care and maintenance will prolong the life of the sprayer.

The 5880 BoomJet Nozzle combines two off-center tips and three VeeJet nozzles to produce an overall wide swath flat spray. The nozzle assembly provides a good distribution for the wide pattern coverage obtained. It is also furnished with one additional 1/4" NPT pipe plug and one blank tip for allowing the BoomJet to spray to one side only.

W = Maximum effective coverage with nozzle mounted at 36" height.



BoomJet Nozzle No.	OC Tips (Two)	VeeJet Top Nozzles (Two)	Vee Jet Bottom Nozzle	Liquid Pressure PSI	Total Capacity GPM	"W" In Feet	Gallons Per Acre				
							4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH
5880-3/4-2TOC10	OC10	H1/4U-0508HE	H1/4VVL-11004 With 50 Mesh Strainer	20 30 40	2.83 3.46 4.00	39.5 40 40.5	8.9 10.7 12.2	7.1 8.6 9.8	4.7 5.7 6.5	3.5 4.3 4.9	2.4 2.9 3.3