



INSTRUCTION SHEET

**MULTI-PRO® 1100 CENTRIFUGAL PUMP
VENT TUBE OPTION**
NOTICE:

This option can be installed on the Multi Pro® 1100 to improve priming of the Centrifugal Spray Pump. Follow the procedure for operation outlined at the end of this Instruction Sheet.

The Vent Tube that is installed with this option can function as an external sight tube when the Vent Tube Shut-off Valve is open. External sight tubes are not allowed in some states. Check your state and local regulations before installing this option.

PARTS REQUIRED:

Part #	Description	Qty
94-7254	90° Elbow	1
94-7256	Hose Washer	1
94-7255	Fitting Nut	1
95-9249	Hose - 1/4 x 54"	1
97406	Clamp - Hose 1/4"	2
95-9396	Valve - 1/8" Shutoff	1
2412-93	R-Clamp	2
9900	1/8" Street Elbow	1

PROCEDURE:

1. Remove the top Pipe Plug from Pump, apply thread sealer and install 1/8" Street Elbow into Pump and install Vent Tube Shut-off Valve into Elbow. See FIG. 1 & 2. (Street Elbow should be painted to prevent rust)

2. Drill a 3/4" diameter hole through top of tank between the front of Tank and Tank Band. Assemble the 90° Elbow and hose washer in hole. Install Nut and tighten on inside of tank. See FIG. 3, page 2.

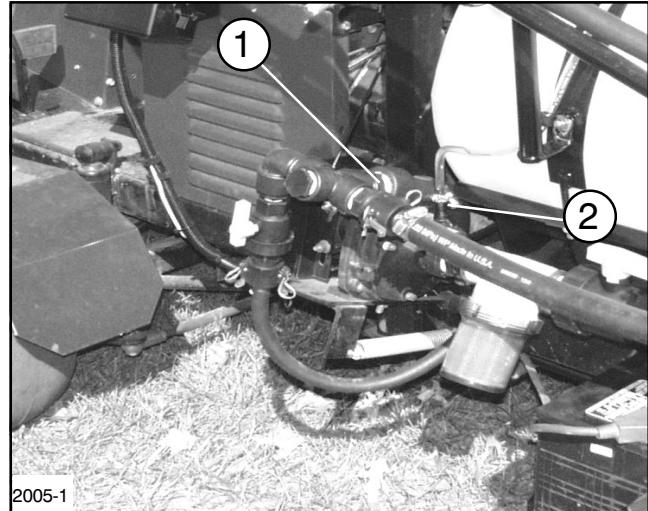


FIG. 1
1. Pump
2. 1/8" Street Elbow

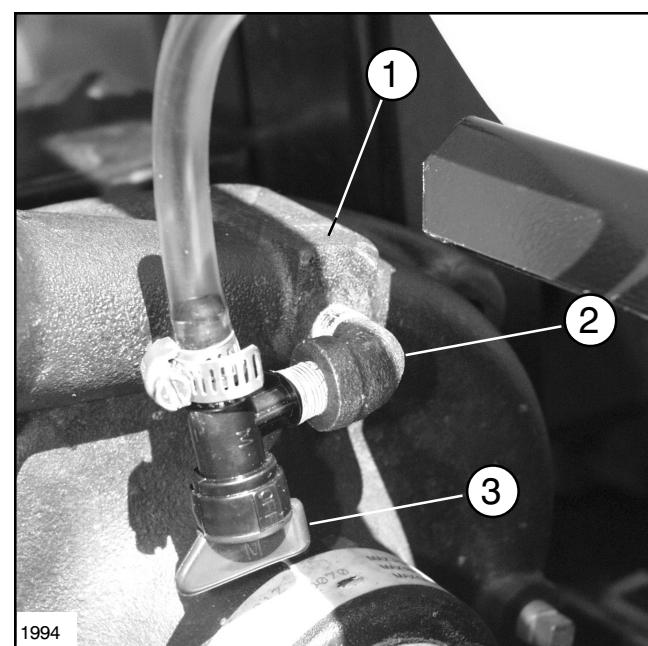


FIG. 2
1. Pump
2. 1/8" Street Elbow
3. Vent Tube Shut-off Valve

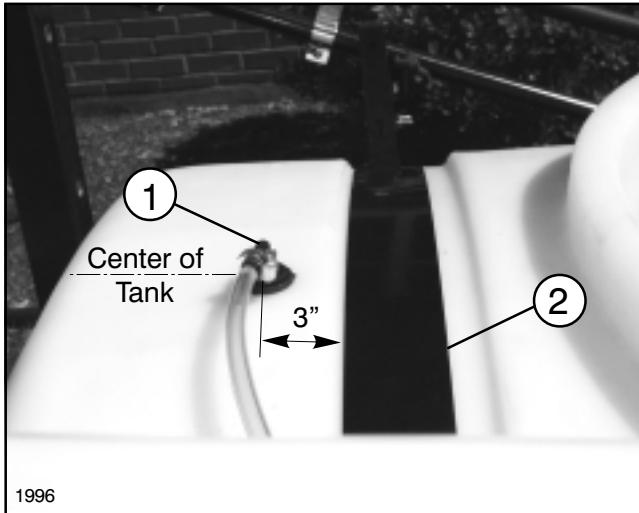


FIG. 3

1. 90° Hose Barb 2. Tank Band

3. Connect Vent Tube Shut-off Valve and 90° Elbow with 1/4" x 54" clear hose. Trim to 36" long. Secure with (2) hose clamps.

NOTE: The hose connecting the Vent Tube Shut-off Valve to the 90° Elbow must be angled upward the entire length of the hose. Downward dips in the hose will not allow air to escape from pump.

4. Use R-Clamps to secure clear hose. Install clamps using bolts attaching Hold-in Bracket. See FIG. 4 and 5.

OPERATION:

1. With engine off, spray pump disengaged, and spray booms off, open the Vent Tube Shut-off Valve and begin filling tank.
2. When fluid level becomes visible in clear Vent Tube line, close Vent Tube Shut-off Valve.
3. Continue filling to desired fluid level. Start engine and engage pump for agitation, if desired.
4. The process should be repeated during each filling cycle.

AFTER SPRAYING:

When flushing Pump and entire system with a tank cleaning agent, open Vent Tube Shut-off Valve (with Spray Booms "Off") to clean chemical from Tube. Continue flushing process as per instruction in Multi Pro® Operator's manual.

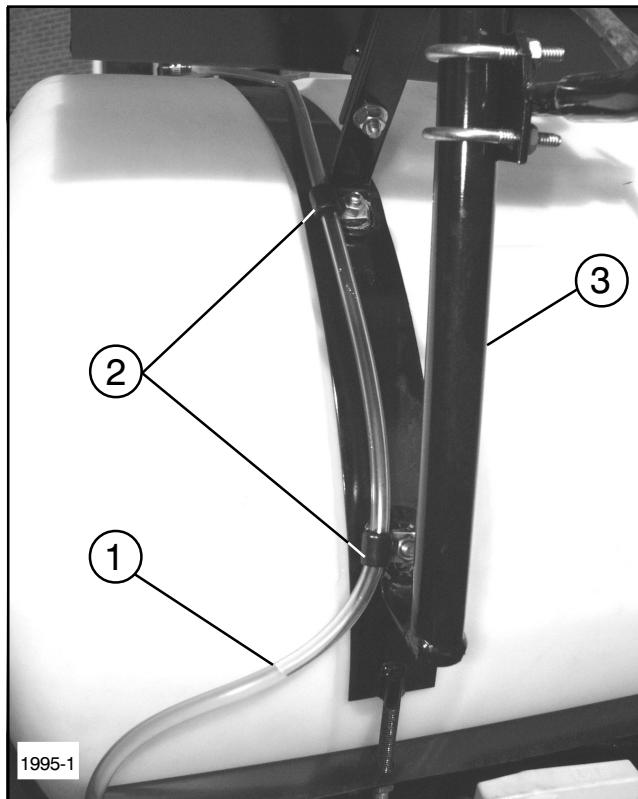


FIG. 4

1. Visible Fluid
3. Hold-in Bracket

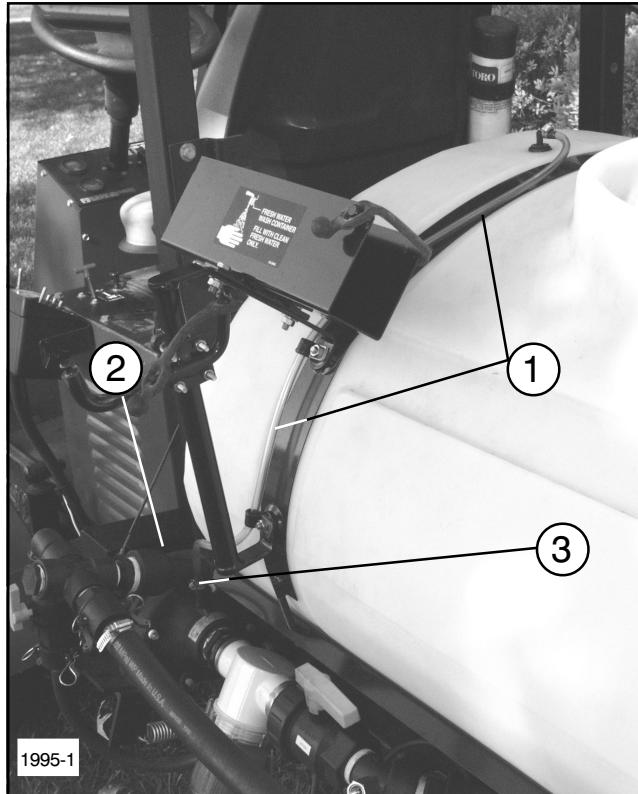


FIG. 5
(Fresh Water Tank removed for clarity)

1. Vent Tube
2. Pump
3. 1/8" Street Elbow