

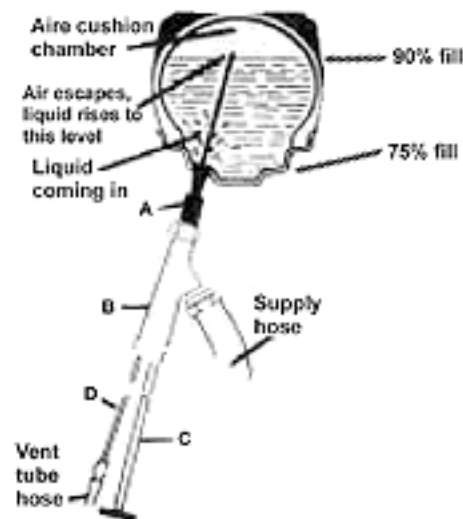
# GENERAL FARM TIRE INFORMATION

## V. HYDROINFLATION

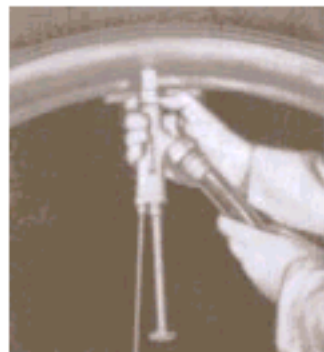
### Hydroinflation Procedure for Fluid Ballast

#### To FILL:

1. After the beads have been fully seated in the mounting procedure, inflate the tire to 35 psi. Jack up the wheel and rotate and wheel assembly so that valve is at top of rim. Lower the jack until the tire is slightly deflected.
2. Connect the assembly to fill the tire with fluid as shown in illustration below.



Attached adapter and unit assembly part "A" to valve stem. Do not use pliers. Also attach supply hose to part "B." Part "C" is used to remove core housing.



In warm climates where calcium-chloride may not be desired, tires can be filled with water only. A pump is not necessary when only water fill is used. Tires may be filled directly by using a valve adapter on a hose.

3. After the connection (in step 2) is made, bleed the air pressure down to about 5 psi by moving the control handle (part "C") to the evacuate position. Five psi keeps the beads seated on the rim.

4. When this point is reached, start the pump and move the control handle to fill position. Use a hydroinflation pump to fill tire with calcium chloride or non-damaging anti-freeze solution (consult tube or tire manufacturer for recommendations). Check the pressure in the tire every few minutes with the pump gauge by placing the pump in neutral or check position. If the pressure exceeds 20 psi, move the handle to the evacuate position, until the pressure is bled back to not less than 5 psi. After the pressure is lowered, continue to add fluid. Repeat the above steps as often as necessary.

Industry practice is to maintain the fluid level at 75%. (Fluid fill should be maintained at a level sufficient to cover the valve and keep the rim completely submerged.)

Tire being filled with hydro-inflation equipment.



5. Replace the core housing in the valve stem by pushing the handle in until the housing is screwed tightly into the valve stem. Then withdraw the handle. Turn the handle to evacuate and pump all liquid from the hose. Next, shut off the pump and unscrew the assembly from the valve.
6. Inflate the tire to seat the beads, not exceeding 35 psi. With the valve stem still at the top, bleed the excess fill down to 1-2 psi above the recommended inflation pressure.
7. Finally, rotate the tire and wheel assembly so that the valve is at the bottom of the tire. Set the final operating pressure with the tire mounted on the tractor and its full weight on the tire.

#### TO REMOVE FILL:

1. Jack up the tractor until the tire is slightly deflected. Rotate the tire and wheel assembly until the valve is at the bottom.
2. Connect the assembly to the valve stem. Unscrew and retract the core housing (part "C") into ejector body with the control handle in the check or neutral position. Attach the adapter (part "B") to the valve. Remove the core housing and connect the supply hose to the adapter "B."
3. Start the pump and turn the control handle to the evacuate position. The fluid is rapidly withdrawn from the tire. Gravity flow may also be used to remove the fluid.