



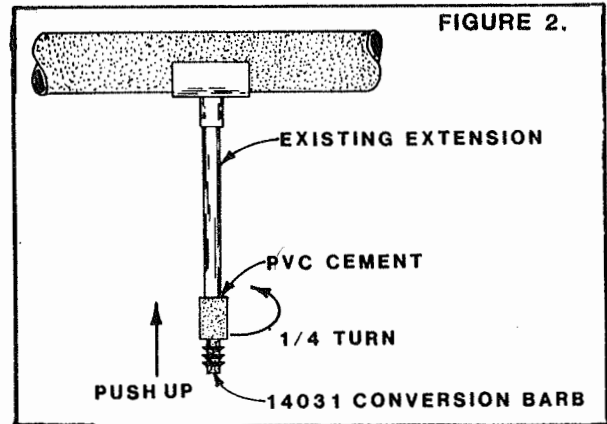
# Conversion To Chore-Time Cage Cup for SWISH extension cup systems and Hart watering systems

Chore-Time® Cup and Tubing Assemblies are available to convert Swish® Extension Cup PVC Systems and Hart Extension PVC Cup Systems. To convert systems to Chore-Time Cups a 14031 Conversion Barb is used. Follow the procedure below:

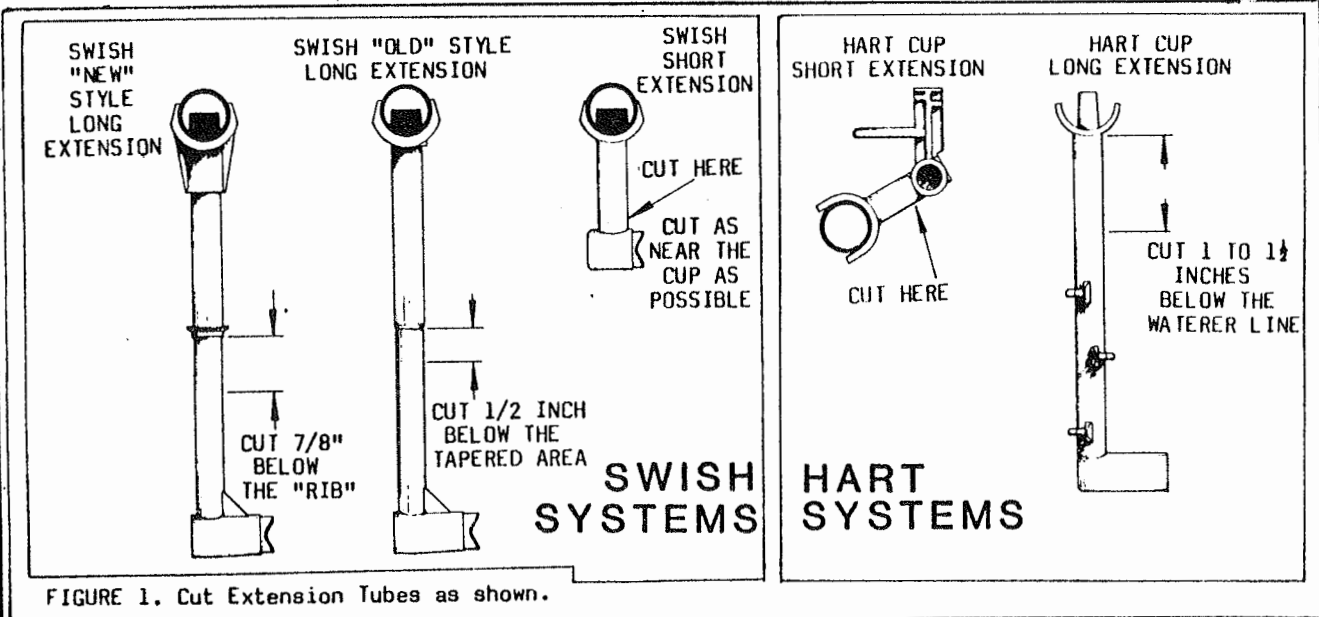
Tools needed: PVC pipe cutters, PVC cement, pliers.

1. Turn off the water and drain the line completely before beginning to install conversion kits.
2. Determine which extension is used with the system. See Figure 1. Cut the extension as shown. Note: Do not use a Hacksaw to cut extensions. The saw chips will get into the line and plug the valves.
3. Apply a small amount of PVC Cement to the end of the cut extension. Be careful not to get cement over the end of the extension, it may dry there and plug the opening. Insert the Conversion Barb onto the cut extension. (Turning Conversion Barb approximately 1/4 turn until it bottoms out on extension). See Figure 2.
4. Install the Chore-Time Cup and Tubing Assembly in the cage. Follow instructions (#681M) supplied with Cup and Tubing Assemblies for correct installation.
5. Thread hose through the cage portion in at least two places. This must be done to keep birds from pulling the hose or getting tangled in it.

6. Install the hose onto the Barb of the Conversion Barb. Note: The hose may have to be cut to take any slack out of the hose. Use pliers to install clamp onto barb. See Figure 3.
7. Turn the water back on and flush the lines.



**NOTE: HART CUP SYSTEMS ONLY!**  
Swish PVC Couplers and PVC Expansion Joints must also be installed with PVC Cement along the entire length of the waterer line. Because of higher operating pressure for Swish® Watering Systems, the waterer tubes **MUST** be cemented together. Hart's "O" Ring installation may pull apart under the increased pressures. Also, replace the pressure regulator with a Swish® regulator, designed for the higher pressure operation.



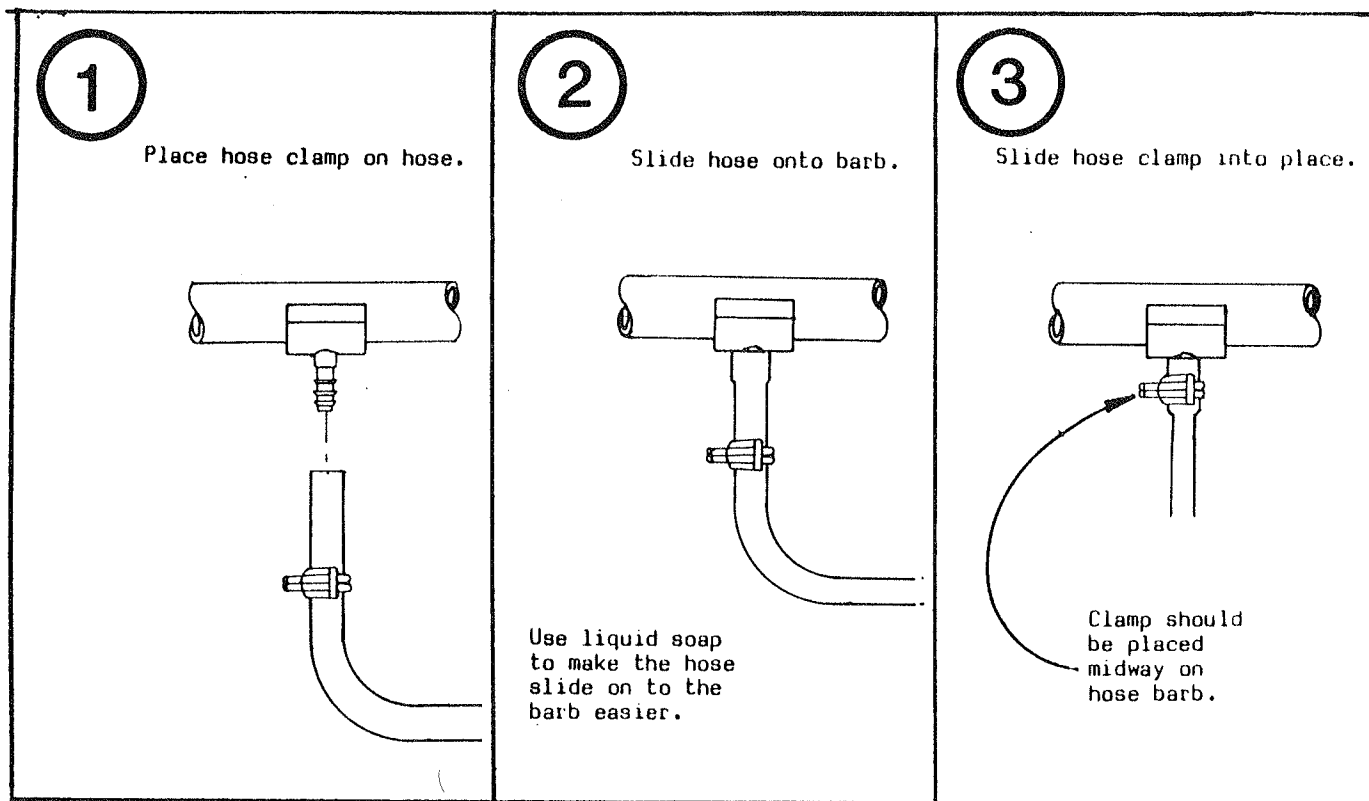


FIGURE 3. CORRECT INSTALLATION OF HOSES



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Contact your nearby CHORE-TIME® distributor or representative  
for additional information or parts.  
Chore-Time Equipment, Inc.; Milford, Indiana 46542; Decatur, Alabama 35601