

## PROBLEM SOLVING - DRIPPING COLORANT -

The evidence of colorant drips around the equipment can be the result of many things and a series of diagnostic steps must be taken to determine the correct course of action for the solution to this problem. Before performing these tests, please review operating procedures in the owner's manual to ensure proper dispensing procedures are being used.

The steps **must** be preformed in following order;

1. Check nozzle seal arm / pad for a collection of colorant. A small amount of colorant will inevitably collect on the nozzle seal pad. Cleaning of this area daily will ensure the collection does not reach the point were colorant drips from the nozzle seal pad. Clean this area daily. Fig. 1.
2. Check Accu-Purge operation. With the valve handle down ( see fig. 5 ), push accu-purge valve button. An air burst or colorant discharge should be felt / seen. If no action is felt or seen, remove the two screws holding the accu-purge plate onto the valve. Check for dried colorant in chamber. Clean and remove all residue. Ensure air passage way is clear and sealing o-ring is undamaged. Replace if required. A non working accu-purge, will not remove the residual material from the nozzle, leading to miss tints and greater colorant collection, per step 1.
3. Set dispensing gauge to maximum setting. Raise plunger to top (charging cylinder). ( Fig. 3 ) Release hold from plunger ( valve must remain closed ). Plunger handle must not move and should remain stationary. These steps represent those used in "Getting Started" and "Charging the Cylinder" found in your manual. Any movement in the plunger indicates the presents of air in the cylinder and the need to re-prime the pump. Air present in the cylinder will not allow the correct amount of colorant to be drawn in and will result in inaccurate dispenses and an increase in the dripping of colorant from the nozzle. Prime the cylinder per instructions found in owners manual.
4. Before continuing with steps 5 and 6, remove nozzle seal arm / pad and re-tainer by removing the mounting screw. See Fig. 4. Remove nozzle. This gives you a clearer view of the nozzle area for the next 2 tests. These final two tests, **MUST NOT** be preformed until the completion of steps 1, 2 & 3.
5. With the nozzle removed, and the cylinder charged ( as per step 3 above ) open the dispense valve. Hold the valve open for 30 - 60 seconds. Fig. 5. If a constant drip or flow of colorant comes from the nozzle air is entering the cylinder as a result of worn or improperly installed "**Piston Seals**". The vacuum needed to hold colorant from dripping is not being maintained as a result of the worn or damaged seal. Replace per instructions in owner's manual.
6. Close valve and push plunger shaft down to the endcap. Gently lower gauge. You should now be at the "Getting Started" point. With the valve closed, watch the nozzle for drips. If a constant drip or flow of colorant comes from the nozzle, the valve barrel, O-rings or valve body are worn and replacement is required. Use valve / barrel / handle / O-ring replacement kit number BL-1553. Installation instructions provided with parts. Fig. 6.

