

CFS Troubleshooting:

Problem: *Can't Recover Missing Nozzles on a printer with CFS*

The nozzle pattern has missing nozzles. After running several cleaning cycles and printing purge4 or purge6 diagrams there is no improvement. The nozzles do not clear even after an overnight waiting period.

Solution #1:

1. Remove the cartridge set containing the tubes.
2. Install brand new un-punctured cartridges, either Epson originals or aftermarket cartridges. Run cleaning cycles in sets of three followed by a nozzle check. After a perfect nozzle check is achieved, then proceed to the next step.
3. Install a new CFS cartridge set and follow the original installation instructions.

Solution #2:

1. Remove the cartridge set containing the tubes. After removing, do not turn upside down. Keep the cartridges at approximately the same level as the bottles.
2. Install brand new un-punctured cartridges, either Epson originals or aftermarket cartridges. Run cleaning cycles in sets of three followed by a nozzle check. After a perfect nozzle check is achieved, then proceed to the next step.
3. Obtain a syringe (60 cc or 10 cc) and a MIS Bottom Fill Adapter. Attach the bottom fill adapter to the syringe. Insert the bottom fill adapter into the bottom of the cartridge, and draw ink from the bottle, through the tubes, into the cartridge and then into the syringe.



4. The ink that appears in the syringe will have foam or air bubbles in it. This is what is causing the problem with the CFS. The printer will not print foamy ink or ink that has air bubbles in it. You have to get all of the foamy ink out of the cartridge.
5. Dump the ink from the syringe back into the reservoir bottle from where it came. Then draw another syringe full of ink from the cartridge (same color). Dump it into the reservoir bottle. Keep doing this until the ink that comes out is free of any foam or air bubbles. It takes at least 100 cc of ink to achieve this. In other words, 10 syringes full using the 10 cc syringe and about 3 syringes full using the 60 cc syringe.
6. If you have any other colors that are not printing properly, do the same thing to these colors. Be sure to wash out the syringe and bottom fill adapter with warm water before going to a different color.
7. If you are working on an original Epson cartridge that has poppet valves (T007, T008, T009) then you can reinstall the cartridges in the printer and proceed to step #9.
8. If your cartridge does not have the poppet valves in it, then you will have to cycle all the inks through the cartridge... steps 5 & 6. This is because there is no poppet valve to prevent air from entering the cartridge when you lift it up. Use an MIS Rivet to block all exit ports (bottom hole where ink comes out) except the one you are working on. Be sure to remove the rivets before installing the cartridge in the printer.



9. Reinstall the cartridge in the printer and run cleaning cycles in groups of 3 until you get a good nozzle check. Print a few copies of our purge4 or purge6 diagrams after 3 cleaning cycles. This should correct the problem.