



Your Low Cost Printing Solution Since 1994

Installation Instructions: Epson R3000 CFS



Prerequisite -

Before starting this installation, you **MUST** test your printer to make sure it is printing 100% correctly. If this is a new printer, follow the Epson procedures for installing and testing the cartridges. It must print properly with these cartridges before the CFS can be installed. The best way to do this is first print a Nozzle pattern, using the printer utility software provided by Epson. If the nozzle pattern is perfect, then print 5 copies of the MIS PURGE8.TIF image using the Plain Paper and 360 dpi settings on the printer. The Purge8 image can be found on the diskette included with your system or [download](#) it from our website. All 5 pages must print without banding or skipping (white spaces). If your printer can not do this, **do not** install the CFS. Run some cleaning cycles until you can pass this test.

You can also get it from the [Helpdesk Download Library](#). If you have a Mac you can [download](#) it from our website.

Tools & Materials Needed -

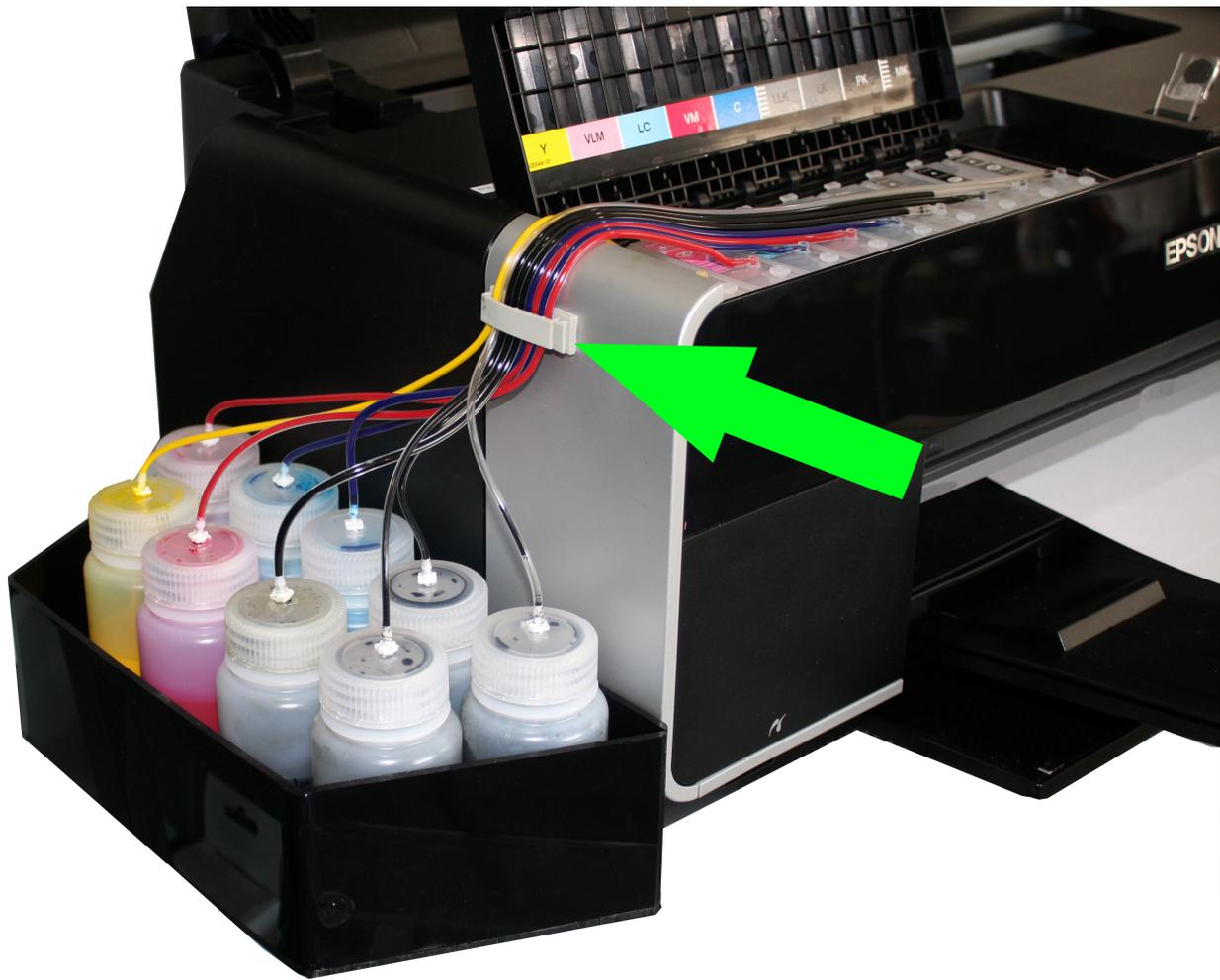
- MIS R3000 CFS Unit, ink, and a working Epson Stylus R3000 Inkjet printer
 - Paper, Alcohol, Paper Towels, and Scissors
1. Begin by vacuum filling the cartridges with the ink that came with the system or the ink of your choice. Follow the instructions that are included with the vacuum pump or get them from our [Knowledge Base](#). When this is complete, go to Step 2.
 2. Open the printer lid and ink carriage door. Remove the OEM cartridges and replace them with the CFS cartridges. It is best to save these cartridges so that they can be used for diagnostic purposes or if the printer must be sent in for service. Make sure that the CFS cartridges are completely seated.



3. Arrange the bottles into the bottle holder in the orientation above. Color position is very important.



4. Next, carefully remove the ink carriage door by pulling the upper right corner free, and completely detaching the door.
5. When threading the tubing through the printer ensure the tubing is straight and not curled in any way. Install the beige tube clip as shown in the picture below. This clip should keep the tubing straight and prevent the tubing from splitting back to the cartridges.



6. Peel the tubing on the bottle side of the ribbon back to the beige clip and begin installing the tubes to the bottles. Using scissors cut the tube to allow for a gentle curve down into the bottle.



7. Install the cover switch activators. This is done by slipping the switch activator over the OEM activator, which is the protrusion on the underside of the printer lid. The second one is located on the right hand side of the cartridge carriage. This will allow the printer cover to sit flush as well as keep the cover switch activated to avoid printer errors.
8. Next, print a nozzle pattern. The nozzle pattern may not be perfect at this point.
9. Run 3 cleaning cycles if necessary to achieve a perfect nozzle pattern. When all the nozzles are present, print a copy of the purge8.tiff. As long as the print is satisfactory and all the nozzles are present, there is no need to do any further cleaning cycles. The tubes are normally full, but if your tubes are partially empty, don't worry about the inks, it will take several (20 or more) prints for the inks to reach the cartridge and fill any gaps you may have

The Care and Feeding of a CFS -

There are a couple of things you should know that will keep your system running trouble free. These systems work best if they are used frequently, daily is best, but every few days is more important. If you have to do cleaning cycles, do them in groups of 3 and be certain to print something, we recommend a copy of the Purge6 pattern after every 3 cleaning cycles. This resets the printer firmware so that you get a medium, long, and short duration cleaning cycle. If you don't do this, you will only get short cleaning cycles after the 3rd one. Running several short cleaning cycles will cause nozzles to drop out. If you are still having problems after about 3 or 4 sets of 3 cleanings, then let the printer rest for a few hours or overnight and try again later. This has worked on many Epson printers

in the past. It gives the air bubbles in the ink a chance to rise to the surface and get out of the printhead. Don't let your ink bottles get empty. Refill them when they are at the 1/4 full level. Before pouring new ink into your bottle, transfer the ink that is left into a clean glass or jar. Then wash out the CFS ink bottle with soap and water. Then refill with leftover ink and new ink. This keeps algae from building up on the walls of the bottle and causing premature ink failure. An easier method is to order a spare set of empty bottles, and keep them on hand, clean and ready to use. If an ink position does not print. Remove the tube from the bottle, lift the cartridge out, and suck out a little ink, not more than 2 cc, to eliminate any air locks that may be present. Use the syringe and bottom fill adapter to remove the 2cc, and then reinstall the cartridges. If you have all colors printing but you are having problems getting a perfect nozzle pattern after several cleaning cycles, then let the printer rest overnight and try a few cleaning cycles in the morning. For additional technical assistance please read our [CFS Troubleshooting Guide](#) or visit our online [HelpDesk](#)