



Your Low Cost Printing Solution Since 1994

Refill Instructions: Canon iP3000, iP4000, iP5000, iP6000, iP8500, and i9900 Printers



MIS Associates, Inc. has compiled detailed instructions here for the Canon printer line that includes the series of Pixma printers, some which are multi-function printers. This refill procedure is written for the virgin empty Canon cartridges that we sell. Other procedures may also work. The method we have tested and found to be successful is detailed below and used on the printer models listed above.

Please note: This is not a Canon approved procedure. Do not put anything other than our recommended ink into the cartridges.

This is the cartridge refill procedure for the following line of Canon Pixma printers, the iP3000, iP4000, iP6000, and iP8500. We used the magenta color to illustrate in these instructions. They all filled the same way. Each refill uses about 15 cc of ink or 1/2 ounce of ink except for the High Capacity black cartridge that uses 25 cc.

Preparation:

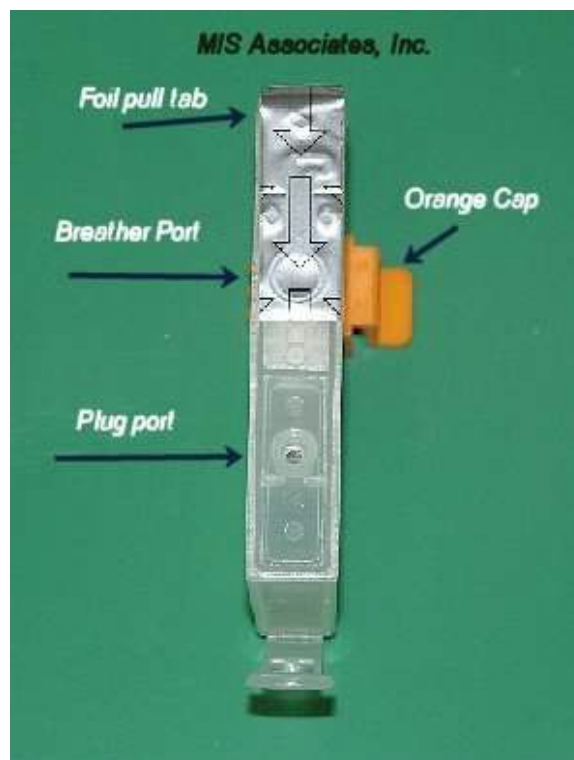
Here is what you will need to do this refill...

- MIS Refill Kit, which includes; syringe, needle, inks (Plus kit includes cartridges and plugs.)

- Empty Canon Cartridge, either used or a virgin empty from MIS
- Newspaper and some paper towels
- A bench to work on where no damage will be done if you spill some ink
- Rubber gloves are optional (bleach and water will take ink off your hands)
- Follow along carefully, as the instructions for filling a virgin empty cartridge are a bit different then those for refilling a used cartridge.

Virgin Empty Filling:

1. To begin the project, be sure you have an adequately large work space and protect it by covering it with old newspaper in case of an ink spill. Having some paper towel near by is always a good idea. You will need some to dab up any ink over flow when refilling cartridges.
2. Rubber gloves should be included in the kit and can be used to prevent ink stains on the hands. The ink can be washed from skin with warm soapy water, and in extreme cases a small amount of bleach.
3. Note the following characteristics of the cartridge. One, the plug port for filling, locate the plug for sealing this port. Two, the orange cap covering the dispensing port for the print head; this is located on the bottom of the cartridge. Three, the breather hole, initially covered by the foil pull-tab. Four, the open ink chamber side of the cartridge. And five, the sponge filled side of the cartridge.



4. Foam is your enemy, if at any time foam begins to form to the point that it obstructs filling. Set the cartridges down and allow a few hours for the foam to dissipate.
5. The orange cap must be on the cartridge for all filling procedures. You should also retain this cap for future use in the refilling procedure. The orange cap and plugs for the fill port are NOT replaceable; if lost, you must purchase a replacement virgin empty cartridge.
6. Starting with the virgin empty cartridge, begin with the sponge side downward and the filling port toward you. Fill your syringe with 12 cc of ink.



7. Inject the ink slowly into the fill plug port opening. Allow the ink to soak into the sponge before attempting to fill the reservoir chamber portion of the cartridge.



8. Once the sponge appears to be 80% soaked, complete the filling of the reservoir. You may need to add additional ink to the syringe.



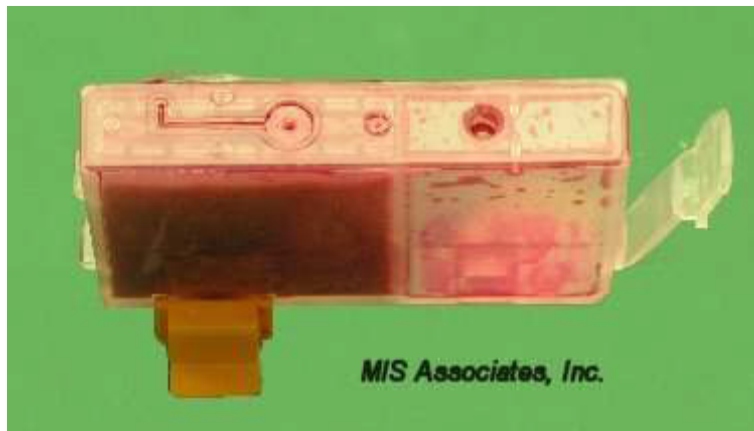
9. Insert the plug into the fill plug port opening to seal it. If at all possible, allow the cartridge to settle any foam build up remaining from the fill process. Some foam may not dissipate.



10. Remove the foil protecting the breather and the orange cap and install the cartridge as usual to begin printing.

Refilling:

1. Upon removing an exhausted ink cartridge, replace the orange cap over the dispensing port before beginning any refilling steps. Then remove the plug from the fill port.



2. Next locate the correct inkbottle supply and the syringe and blunt needle.
3. Before putting ink in the syringe, check to fit the needle into the breather port on the sponge side of the cartridge. You should be able to insert the needle portion entirely into the sponge until the plastic portion of the needle touches the cartridge.



4. Next pull 10 cc of ink into the syringe from the correct bottle.
5. **This step will cause ink spill if not done carefully.** Begin injecting ink into the breather port side of the cartridge to fill the sponge side first. This must be done very slowly to avoid any foam build up and prevent spillage. At the first sign of ink or foam leaking back out of the breather port, stop. You may see ink beginning to fill the reservoir side of the cartridge, this is okay. Continue to fill the sponge side until ink begins to leak from the breather port, and then stop.
6. Next inject ink into the reservoir side until it is full.



7. Reinstall the fill port plug.



8. If at all possible allow the cartridge to settle any foam build up remaining from the fill process. Some foam may not dissipate.