

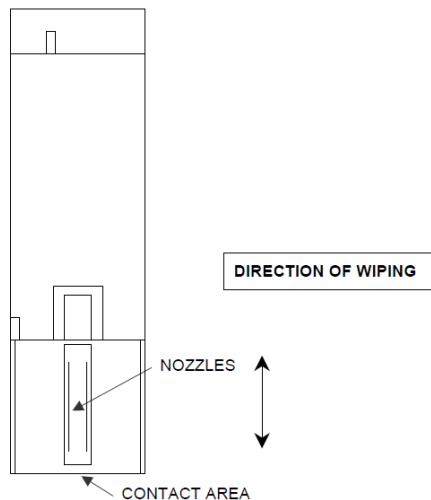
Inkjet Printer Technical Advisory

Date: January 21, 2011
Product line affected: Evolution 1 Inkjet Printers

Maintaining and Cleaning Ink Cartridges

Maintain the bold, highly legible print that your inkjet printer is capable of by ensuring that the nozzle face of the ink cartridge is clean. Saw dust, ink spay and contaminants in the air can build up on the nozzle face during normal operation. The gap between the print head and material should be minimal (about 3/32") and the dust collection system must be adequate. Any build up of contaminants near the nozzles can degrade the print quality and cause fuzzy print, missing lines or complete loss of print. The solution to this problem is simply wiping the face of the ink cartridge.

Remove the cartridge. We recommend that a soft lint-free wipe be used to wipe the nozzle face. Wiping should be in the long (vertical) direction of the nozzles with the cartridge pointing down. The wipe may be wetted with ink from the nozzle area. DO NOT use any cleaners, solvents, etc. to clean the nozzle area. DO NOT apply excessive force as this may scratch the nozzle area.



During periods of inactivity cartridges should be placed in a Cover for Cartridge. This device holds the cartridge securely in place and seals the nozzle face from air and contaminants:



Cover for Cartridge RG11070 \$ 5.00

If the nozzle clog is persistent then the use of our Cleaning Kit may be necessary to draw ink from the nozzles.



Cleaning Kit RG11069 \$ 13.00

Insert the ink cartridge into the tray and securely snap into place. Place the tip of the syringe into the front of the tray. While holding the syringe securely in place gently draw back on the syringe plunger until ink flows into the syringe. Normally, it is not necessary to evacuate more than 0.1 cc of ink at a time as indicated below. Following ink withdrawal remove the syringe carefully. Remove the ink cartridge from the tray. Remove any remaining ink from the nozzle face with a lint free wipe.

Should the processes suggested above fail to clear the print quality problem, you may have either an air bubble in the ink near the nozzle or there could be a failure in the printer itself.

The print sample depicted below illustrates an air bubble trapped in the nose of the ink cartridge. Notice that the area not printed is tapered rather than a continuous band of unprinted information as in the case of a blown primitive.

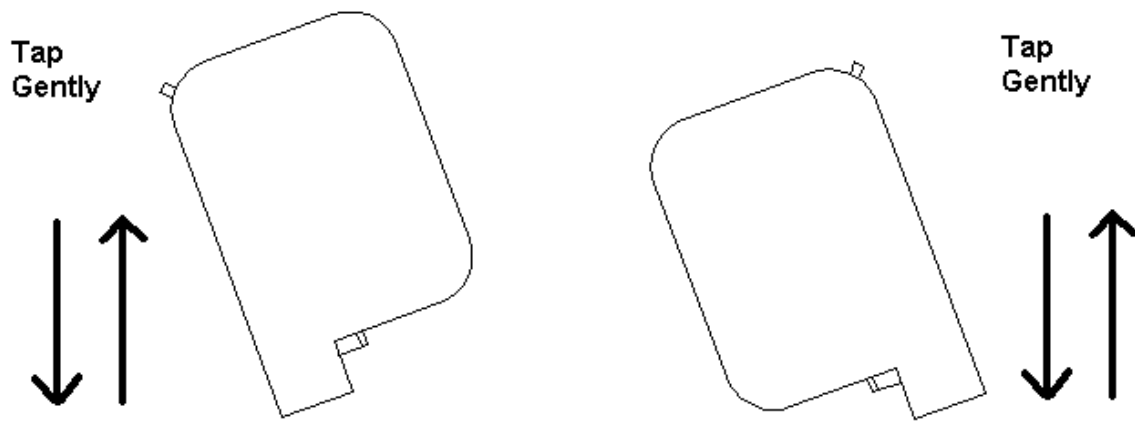
Air in Cartridge

1234567890ABCDEFGHI

<<<< Print Direction

Blown Primitive

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The air bubble can usually be broken and displaced by gently tapping the cartridge nose on a hard surface. Tilt the cartridge approximately 30 to 45 degrees and tap gently. Tap both corners of the cartridge nose.