

M•Link Purge Document

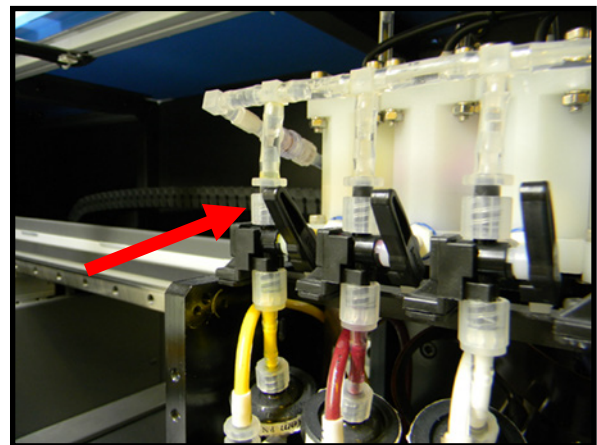
Description: To describe the steps to properly purge ink and flushing solution. Also to document the proper positioning of the top and bottom manual valves when purging fluids.

Source: MZ – 2/8/16

The top row of manual valves has 3 positions.

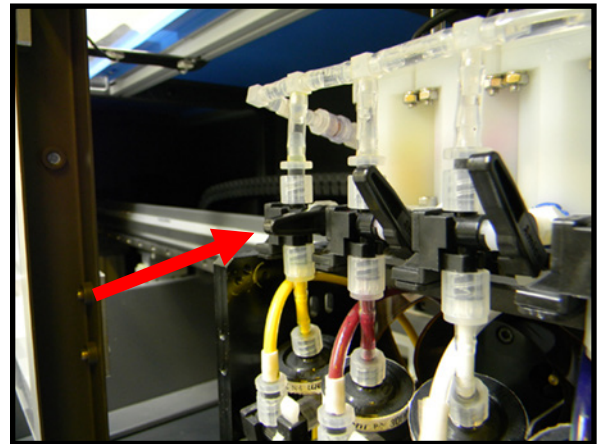
Position #1: OFF

No Ink or Flushing Solution can pass through.
(Turned Up Until it Stops)



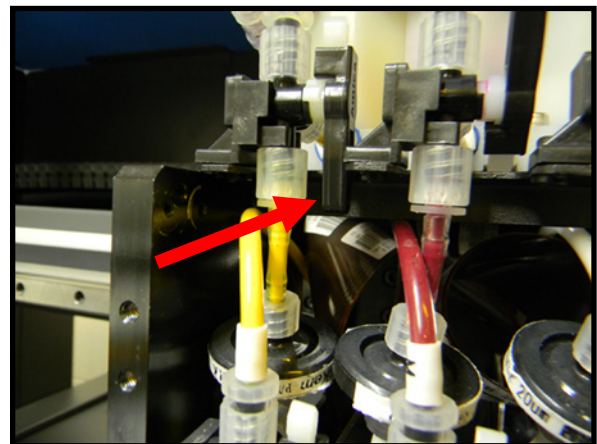
Position #2: Flushing Solution Only

In this position ONLY flushing solution will pass through the manual valve, then to the print head and purge tube. (Pointed Straight Out)



Position #3: Ink Only

In this position ONLY ink will pass through the manual valve, then to the print head and purge tube. (Pointed Straight Down)

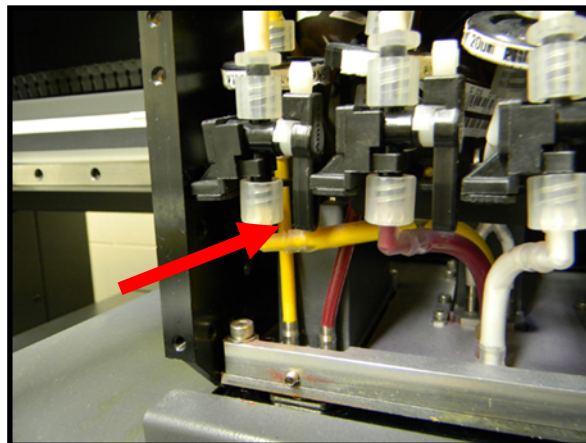


The bottom row of manual valves has 2 positions.

6:00 (6 O'clock) Position:

In this position all fluids will exit through the bottom of the print head.

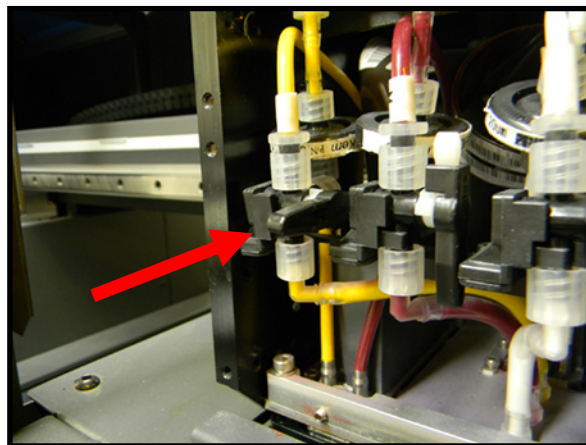
(Pointed Straight Down)



9:00 (9 O'clock) Position:

In this position all fluids will exit through the purge tube outlet.

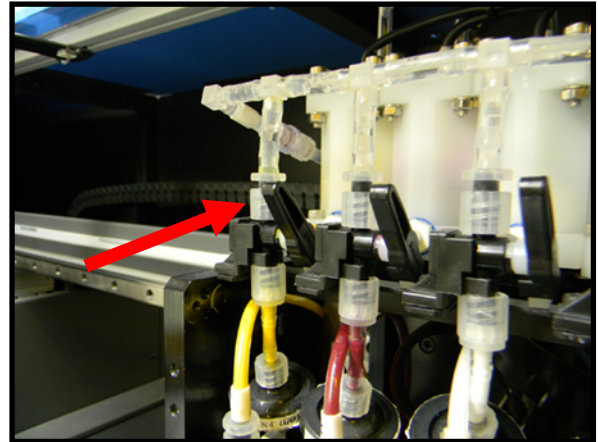
(Pointed Straight Out)



Purging Flushing Solution:

The purpose of this is to clean out the ink from the print head and ink lines after the sub tank.

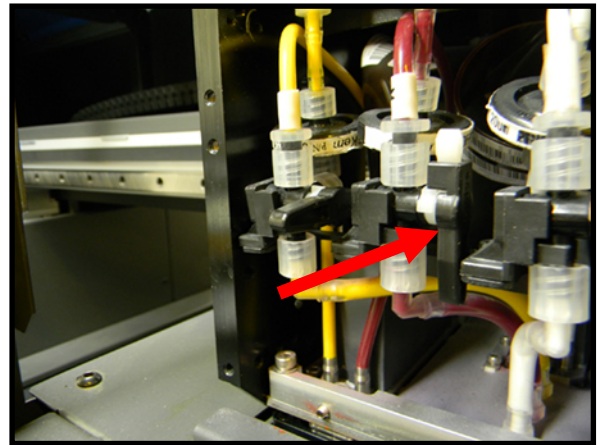
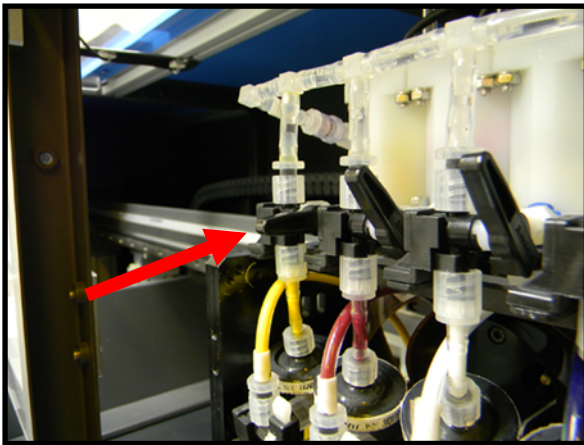
- 1)
Place ALL of the manual 3 way valves in the top row to Position #1.



- 2)
When purging with the flushing solution, if you are working on multiple print heads, only work on ONE print head at a time.

Take the top manual 3 way valve, of the print head you are working on, and place it into Position #2.

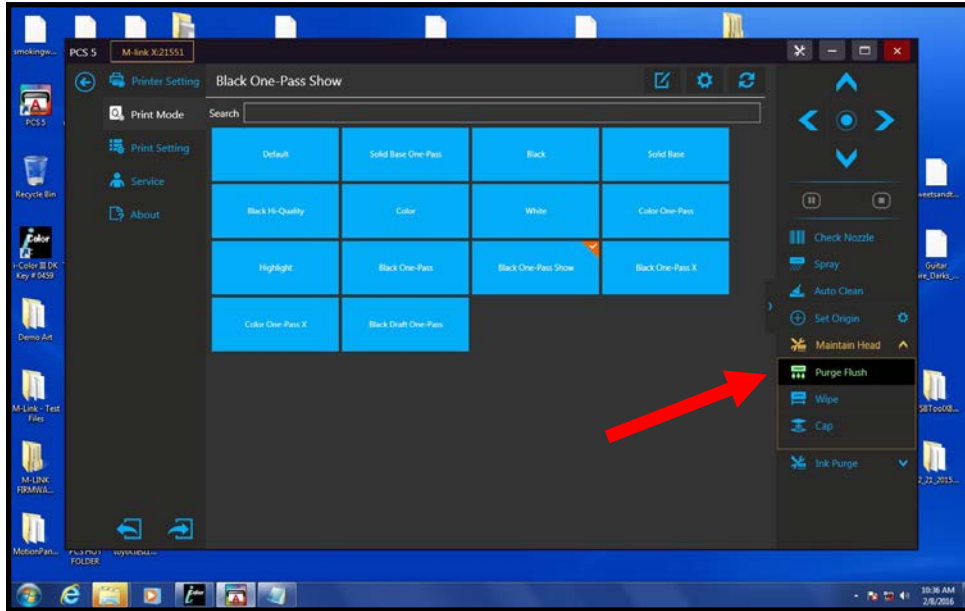
Take the bottom manual valve and place it at the 9:00 (9 O'clock) position.



4)
Access the PCS program.

Click MAINTAIN HEAD.

Click and hold PURGE FLUSH until the purge tube has become clear of ink.
(NOTE: The ink may stain the tubes causing it to look like there is still ink. Please use your best judgment.)

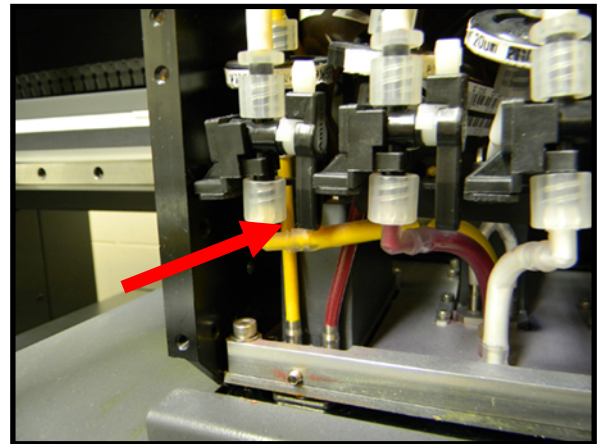


5)
Once the line has turned clear release the Purge Flush button.

Take the bottom manual valve and turn it to the 6:00 (6 O'clock) position

Press Purge Flush for 20 seconds. This will run the flushing solution out of the print head.

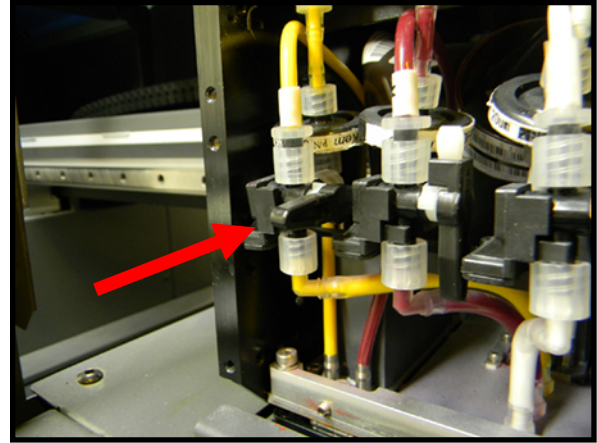
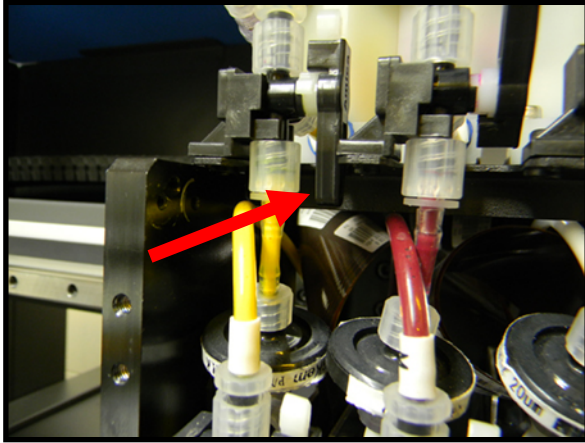
Visually check that all the ink has been evacuated from the lines.



Purging Ink:

- 1)
Place the top manual 3 way valve to Position #3
(NOTE: If you are working with more than one ink channel, only work with the corresponding valve to that channel. Leave the others CLOSED until you are ready to work with them.)

Place the bottom manual valve to the 9:00 (9 O'clock) position



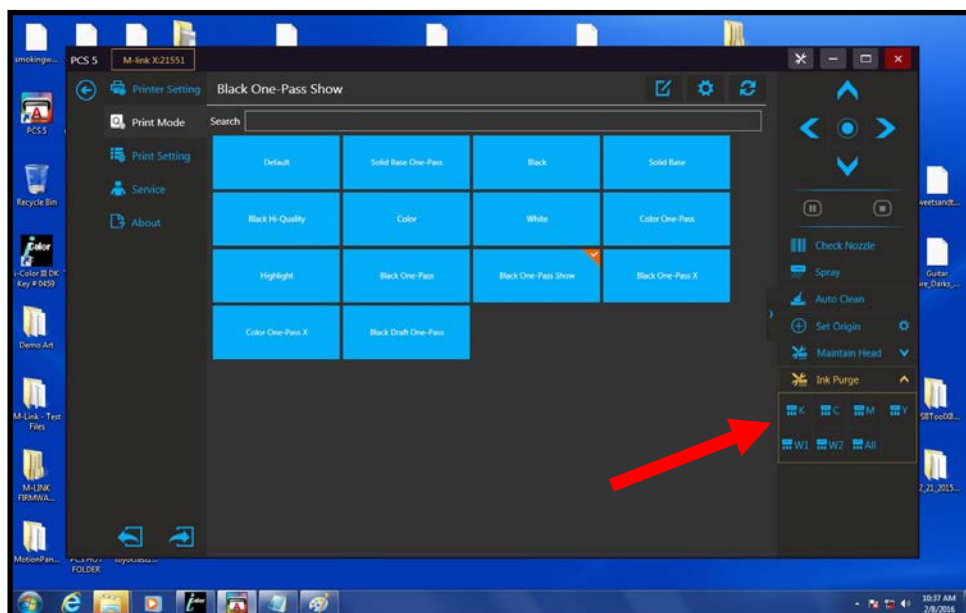
- 3)
Go into the PCS program and click on INK PURGE.
Next, click and hold on the color that you are working with.

Press the color option for ONLY 5 seconds then release.

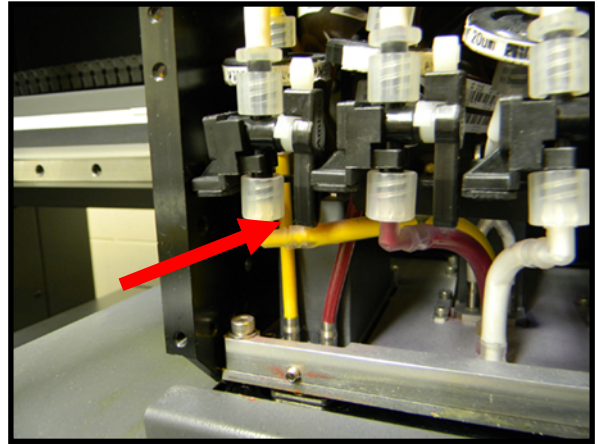
You must let the Sub Tank fill up before you continue.

BLACK – K
CYAN – C
MAGENTA – M
YELLOW – Y
WHITE 1 – W1
WHITE 2 – W2

- The purge tube should be filled with ink at this point. If not, please repeat step 3 once more.
- This should take no more than two cycles.



4)
Once the purge tube is full of ink, turn the bottom manual valve to the 6:00 (6 O'clock) position. This will now allow the ink to flow out of the print head.



5)
- Press and hold the color option for 5 seconds then release.
- You must let the Sub Tank fill before you continue.
- Press and hold the color option for the final 5 seconds.

6)
Repeat this process for any remaining color channels you are working with.

7)
When all color channels are done being purged, please run 2 Auto Cleans.

8)
Once finished you should always run a nozzle check to assure your print heads are printing properly.