



ICS

INTERNATIONAL CUSTOMER SUPPORT

Technical Note

Products: Kornit 931

T N: 60-PHCL-0030

Subsystem: Ink System V2

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Classification: None

Type: Informative

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REV 1

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Subject: **WB Ink Print Heads Flushing Procedure**

1. Purpose

This Technical Note describes the procedure of flushing and introducing water based ink to the print heads.

2. Print Heads Flushing Procedure

1. Verify no ink or other chemical bottle is connected.
2. Purge 3x60dsec of **"Air"** through the manual purge valve, and 3x60dsec of **"Air"** through the nozzles.
3. Change the lower vacuum limit to 1 mmH2O and lower the machine vacuum to 7-10 mmH2O.
4. Connect 150cc bottle of **"Flushing Fluid 7205/3"** for **CMYK** and **White**.
5. Fill the secondary ink tank, and then purge few times 60dsec through the manual purge valve till bottle is empty.
6. Refill the bottle and the secondary ink tank, and then purge 3x 30dsec through the manual purge valve, and few times 10dsec till bottle is 1/3 full.



From this point and on, no air entrance to the print head is permitted.

For preventing air entrance follow the below instructions:

- When performing purge through the manual purge valve always close the valve before the purge is finished.
- Fill the secondary ink tank after every purge.
- Make pause of few seconds between the purges.

7. Purge few times 25dsec in order to exam the "curtain" condition, if all nozzles appear continue to the next stage if not flush with **"Flushing Fluid 7205/3"** till all nozzles appear.
8. Connect 150cc bottle of **"Flushing Fluid 7205/4"** for **CMYK** and **White**.
9. Fill the secondary ink tank, and then purge 4x30dsec through the manual purge valve.
10. Use "Spit" mode for 5 minutes.
11. Purge few times 10dsec through the nozzles till bottle almost empty.
12. Use "Spit" mode for 5 minutes.
13. Increase the vacuum level to 80mmH₂O, clean the print heads with lint free towels and perform nozzle test.
14. Inspect the nozzles condition, if all nozzles appear continue if not lower the vacuum to 7-10 mmH₂O and perform paragraph 10-13 again till nozzle condition improves.
15. Connect 150cc bottle of **"Flushing Fluid 7205/5"** only for **CMYK**, and close **White** print heads valves.
16. Lower the machine vacuum to 7-10 mmH₂O.
17. Purge 3x30dsec trough the manual purge valve, and few times 10dsec till bottle almost empty.
18. Increase the vacuum level to 80mmH₂O, clean the print heads with lint free towels and perform nozzle test.
19. Inspect the nozzles condition, if all nozzles appear continue if not lower the vacuum to 7-10 mmH₂O and perform paragraph 17-18 again till nozzle condition improves.
20. Connect 150cc bottle of **"Ink"** for **CMYK** and **White** correspondingly.
21. Lower the machine vacuum to 7-10 mmH₂O.
22. Purge 4x30dsec trough the manual purge valve.
23. Use "Spit" mode for 5 minutes.
24. Purge 5x10dsec trough the nozzles.
25. Increase the vacuum level to 80mmH₂O, clean the print heads with lint free towels and perform nozzle test.
26. Inspect the nozzles condition, if all nozzles appear continue if not perform paragraph 23-25 again till nozzle condition improves.
27. Increase the lower vacuum limit to 50mmH₂O.