

Technical Information

Subject: Countermeasures against ink droplet deflection on BS4 ink (Bk)

Date: 2017-04-06

Information Disclosure: Disclosure only for distributors & dealers

Target Model: CJV300/150-BS

We have added the information for the following Tech Info:

No. T-2722-T2220-2232 issued on January 25, 2017

No. T-2722-T2220-2232-2252 issued on March 17, 2017

No. T-2722-T2220-2232-2252-2258 issued on March 24, 2017

The additional information is written in red. (Apr. 6)

Ink droplet deflection occurs when printing with BS4 ink (Bk).

Please confirm the issue and take countermeasures.

1. Issue

Ink droplet deflection occurs on JV300/150 and JV33 when using BS4 ink (Bk).

2. Cause

Foreign objects generated in the ink are the cause of this issue.

The objects would be generated when BS4 ink (Bk) contacts with the water-based liquid that is filled for shipping at the factory. At the time of printer installation or the printhead replacement, the water-based liquid may not be completely purged before initial ink charging.

3. Preventive measures (Applicable models: JV300/150-BS, JV33-BS, JV33-260BS, CJV300/150-BS and CJV30-BS series)

(1) At the time of initial ink filling:

Be sure to wet the edge of the cap before BS4 ink initial filling

If you carry out the initial ink filling without the work that wetting the edge of the cap by a clean stick, there is the possibility that water-based liquid in the machine route cannot be cleaned completely.

The place, the head end face and the cap edge is/are attached, is deteriorated, and cleaning liquid in the machine route may be difficult to be flowed.

[Procedure]

1. Soak clean stick in MS washing liquid and dampen the edge of the cap (See fig below)
2. Follow the instructions of the installation guide for each model, and proceed with initial filling of ink

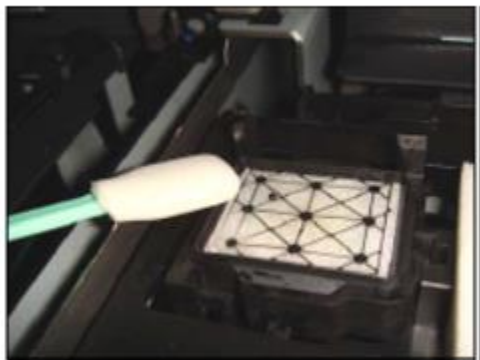
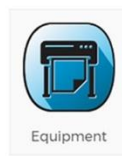
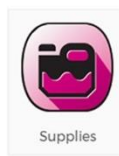


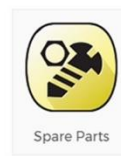
Fig. Moistening the edge of the cap



Equipment



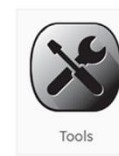
Supplies



Spare Parts



Software



Tools



Support

#(2) At the time of printhead replacement:

Make sure to purge and clean the water-based liquid with the cleaning solution (SPC-0369) for **Black nozzle lines (D and E lines)**.

Please follow the instructions in the following manual:

Printhead Cleaning Manual for BS4 Ink Loaded Printer (Document No. D903100 Ver.2.2)

Please download the manual from the link below:

https://distributor.mimaki.co.jp/mypage/products_info_detail.php?mid=87&gid=23&iid=7516

For details of purging cleaning solution, please see the video below:

At the time of print head replacement (GS2017SM-0040JE)

https://distributor.mimaki.co.jp/mypage/products_info_detail.php?mid=89&gid=13&iid=7740

4. Countermeasures against the ink droplet deflection after printer installation or printhead replacement

When the ink droplet deflection occurs on BS4 Black ink and if it cannot be corrected, clean the nozzle according to the manual using the solution (BS4K nozzle cleaning solution) provided from Mimaki.

Please download the manual from the link below.

Nozzle cleaning manual_Countermeasures against BS4 black ink drop deflection (Document No. D903106Ver.1.1)

https://distributor.mimaki.co.jp/mypage/products_info_detail.php?mid=87&gid=23&iid=7658

* BS4K nozzle cleaning solution can be used for the [NOZZLE WASH] function only (fill up the cap with the cleaning solution), do not use it for wiper, cap and the other parts cleaning.

* Failure to follow instructions in this tech-info or manual can lead to serious damages including clogged ink channels or nozzles.

* If deflection does not recover even after repeating nozzle cleaning, replace the print head.

Refer to "(2) At the time of printhead replacement" above.

Effectiveness of BS4K nozzle cleaning solution

Before nozzle washing

Washing the nozzle for 30 minutes



After nozzle washing