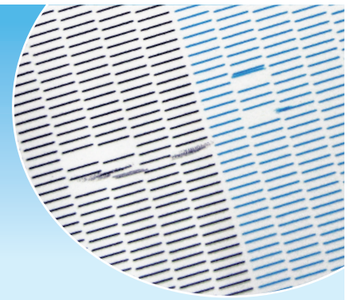
After Repeated Cleanings

If flaws in the dot pattern still occur:

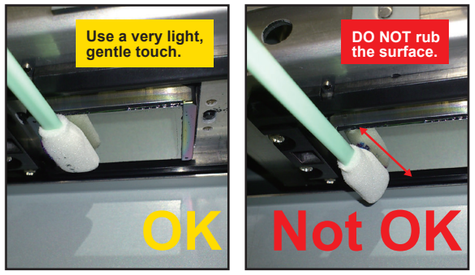


CLEANING THE HEAD SURFACE

The print head surface is a very delicate and sensitive area that requires gentle and careful handling.

■ CLEANING PROCEDURE

1. Thoroughly soak a brand new cleaning stick with unused cleaning liquid.
2. Very gently and carefully dab the print head surface with the stick so the cleaning liquid soaks into the nozzles. Do not use any rubbing action on the print head surface.
3. After cleaning, try a test print to confirm the result.



Rough cleaning may damage the print head's water-repellent coating and worsen the problem.

ATTENTION : This procedure is not a permanent treatment. Cleaning may possible to damage the print head and worsen the problem depending on circumstances. For further information, please ask for your local retailer.

■Where to call

Please feel free to ask for your local retailer if you have any questions.

ADDRESS:

⚠ CAUTION ABOUT CLEANING LIQUID

Flammable : Keep away from open flame. Ensure adequate ventilation.
Toxic : Never drink the liquid or allow it to come in contact with the eyes or skin.

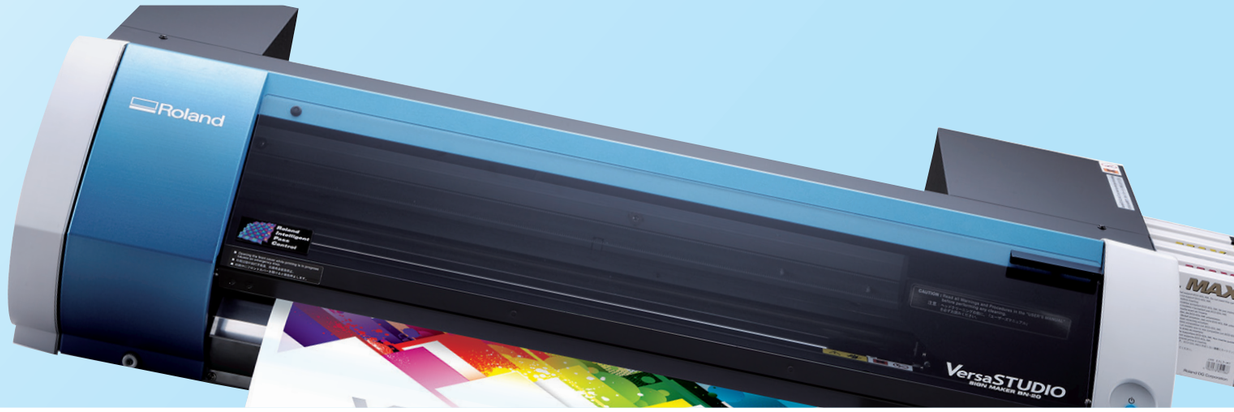
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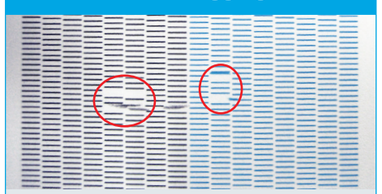
For optimum printer performance

INKJET PRINTER MAINTENANCE GUIDE



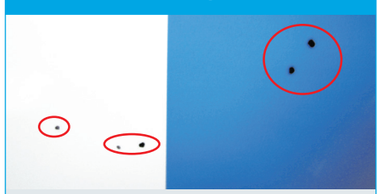
Use this simple check list to assess the condition of your printer.

Nozzle clogging



Dust and dirt stick to the print heads and prevent normal discharge of ink.

Ink drips



Ink gathers around dirt and grime near the print heads and ink drops are formed.

Dragging dirt



Dragging occurs when dirt around the print heads comes into contact with media.

Dirty print heads caused by dust and/or dried ink clots result in lower print quality.
The amount of maintenance required varies according to printer usage. They are easy 10-minute jobs. Follow this guide for optimum results.

* If nozzle drop-out occurs in two or three locations after cleaning, the output quality will not be affected. Print the actual printing data and use the machine as-is if you can confirm that there are no problems.

PRINT HEAD CLEANING

CLEANING LIQUID

For an effective cleaning, use the Roland Cleaning Liquid.

Apply it to the residue-free Roland Cleaning Sticks.
It has higher ability to remove dust and ink.



CAUTION

- Do not apply any cleaning liquid to the parts other than specified in this guide.
- Do not use any others than the Roland Cleaning Liquid.

MAINTENANCE PROCEDURE

The specific procedure is described in the user's manual.

Manual Cleaning

POINT

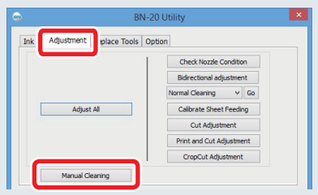
- When the work for the day is finished, perform manual cleaning.
  In order to maintain stable printing at all times, this maintenance should be performed every day.

1 Execute “Manual Cleaning” in “BN-20D Utility”

1. Start “BN-20D Utility”

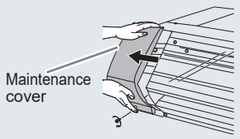
2. Click “Manual Cleaning”

Open “Adjustment ” tab and click “Manual Cleaning”.

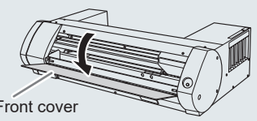


2 Remove maitenance cover and open front cover

1. Remove maintenance cover



2. Open front cover



3 Start maintenance operation

1. Apply cleaning liquid



2. Clean each part

Follow the insttruction on the screen and start cleaning operation.
Replace the wipers if they are worn and deformed.

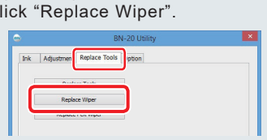
Wiper Replacement / Felt Wiper Replacement

1 Execute “Replace Wiper”/ “Replace Felt Wiper ” in “BN-20D Utility”

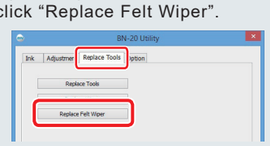
1. Start “BN-20D Utility”

2. Click “Replace Wiper” / Click “Replace Felt Wiper”

Open “Replace Tools” tab and click “Replace Wiper”.

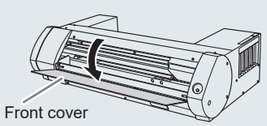


Open “Replace Tools” tab and click “Replace Felt Wiper”.



2 Open front cover and start replacement

1. Open front cover



2. Replace wiper/felt wiper

Follow the instruction on the screen and replace wiper/felt wiper.

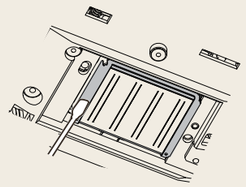
CAUTION

- Use up a cleaning stick in every cleaning, and do not reuse it in another time.
- Do not reuse the cleaning stick. This can result in loss of print quality.
- Do not use general cotton-tipeed sticks. The cotton fibers can leave residue on the print heads.

OUTLINE OF MAINTENANCE

Point 1 The side of the print heads

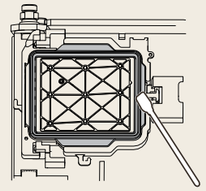
Using the cleaning stick, thoroughly remove any dirt, dust and/or ink from all four sides(front, back, right and left) of the print heads.
*While working with the cleaning stick, be careful not to touch the print head surfaces directly.



When dirt accumulates along the sides of the print head, print quality is impaired. This can also cause a premature print head failure.

Point 2 Around the cap

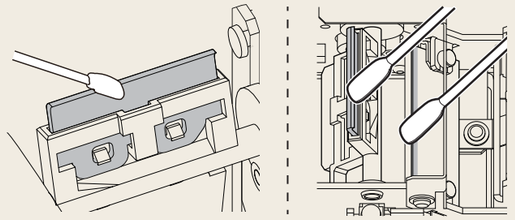
With the cleaning stick and tweezers, remove the dirt and ink around the cap. Only the tweezers should be used to remove the dirt and debris from the inner sponge area. Work gently and try not to damage the rubber gasket surrounding the cap.



The accumulation of dirt around the cap gasket impairs the print head's seal to the cap. Over time, this problem can cause premature print head failure.

Point 3 Around the wipers

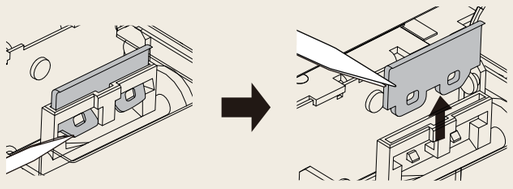
Remove the dirt around the wiper, scraper, and felt wiper using the cleaning stick and tweezers.



Dirt around the wipers may lower the effect of the automatic cleaning and can also be a factor of damaging the print heads.

Point 4 Replace the wipers/felt wipers

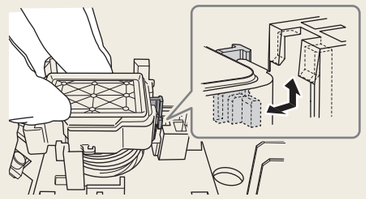
Replace the wipers if they are worn. First, use the tweezers to unlock them at the base of the wiper holders. Then, pull them off using the tweezers. Install new wipers, making sure that they are fully locked into place at the base.



The effect of the automatic cleaning is reduced when wipers are worn. Check wipers on a regular basis to ensure their performance.

Point 5 Replace the cap top

Start BN-20D Utility, and then click "Cap Top Replacement" on the "Replace Tools" tab to start the work. Follow the on-screen instructions to carry out the cap top replacement.



Be sure to put on protective eyewear and gloves before performing this work.

After the cleaning

Perform a TEST PRINT to confirm the print quality..

If problems persist, try Medium Cleaning several times.
If the TEST PRINT does not improve,
perform a Powerful Cleaning.

Instructions on both cleanings are found in the user's manual.

You can access this machine's instruction manual from the following URL or QR code.

https://downloadcenter.rolanddg.com/BN-20D