

Regular Maintenance

(Models GT-361 & GT-381)

This pdf describes how to maintain the White Ink. Please review all the information within this pdf showing you how to take advantage of the White agitation feature for reducing your maintenance overhead.

Recommendations for Reducing Maintenance Overhead

1. Manually agitate (shake) each white ink cartridges every day before production.
2. White Tube Cleaning is necessary every week. Follow the indication on the display.
3. Daily Cleaning White can be replaced with White Agitation (WA) if you printed enough print jobs the day before using whole amount of white ink inside of the tubes = Typically more than 12 to 16 white ink print jobs need to be printed.
4. Environmental condition for the best print results: **TEMPERATURE 64°F to 86°F, and HUMIDITY 45%-85%**

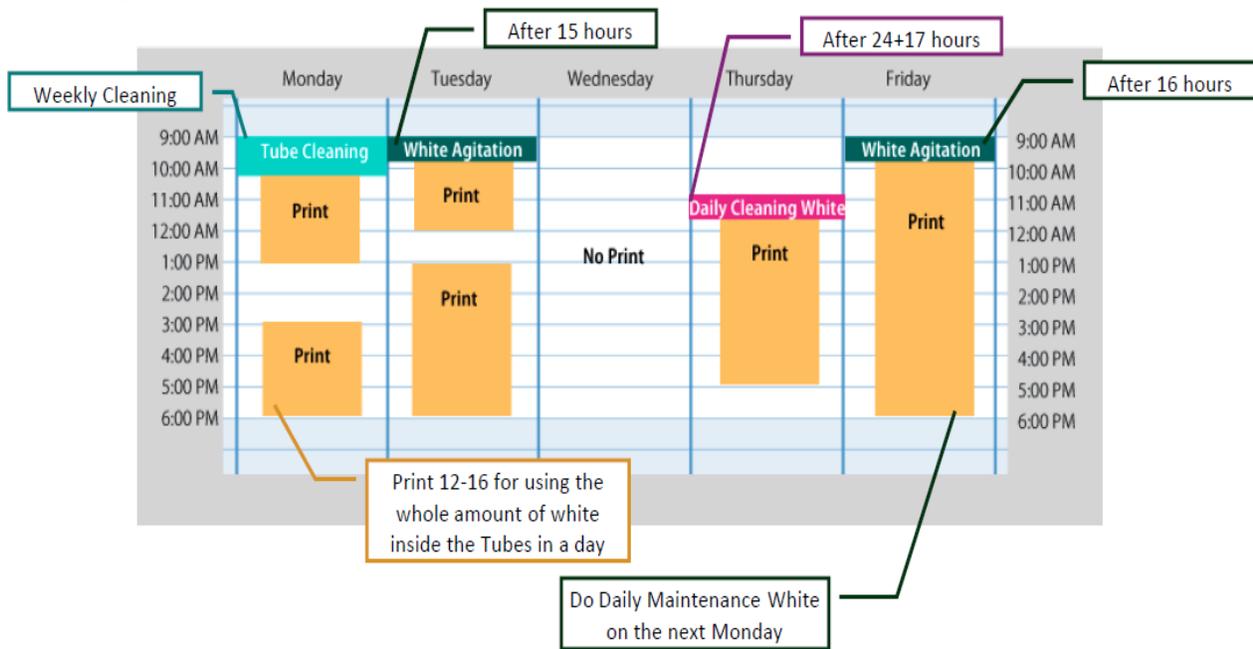
<Note>

Confirm that the waste tube is not submerged in the waste ink tank before executing any maintenance.

White Agitation to save on waste (Firmware ver. 3.00 or higher)

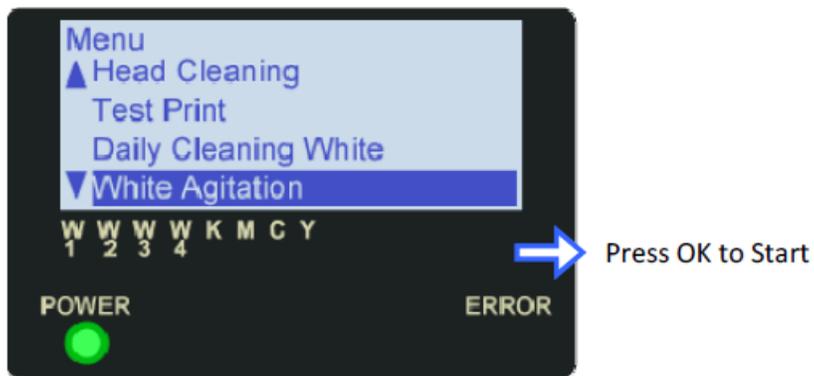
You can save the waste of the White Ink by moving the Carriage with [White Agitation] menu. You can keep the whiteness with this function when the machine is left idle for approx. 18 hours of your last print with white ink, from the previous night to the next morning. In this case you do not have to replace the White Ink with "Daily Cleaning White". This function will allow you to minimize the ink waste overhead up to 66% compared to the original instructed maintenance procedure. See the chart below if you can use this menu or just execute Daily Cleaning White to flush the White Ink from the tubes. Confirm the whiteness before your production.

Example: maintenance schedule in a week.

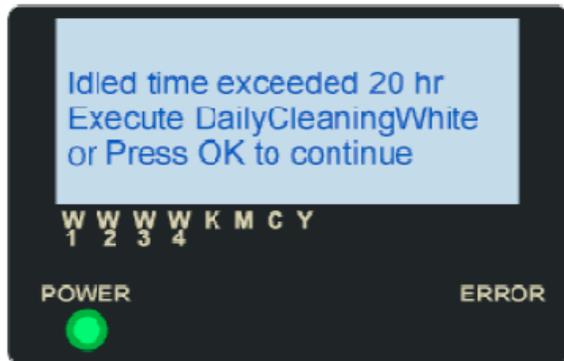


* This menu option is to agitate the Ink inside the Tubes by moving the Carriage for 5 minutes.

1. Pull out the White Ink Cartridges one at a time and hold the cartridge with both hands and manually agitate (shake) for 45-60 seconds to keep the whiteness. Hold the cartridge upside down from the mounted position. Shake by moving back and forth to mix up the pigment from the bottom and shake it horizontally from 30 seconds to 1 minute. (Refer to section 6-1-1 “Replacing the Ink Cartridge” in the manual.)
2. Select [White Agitation] from the menu and press the OK Button. The Carriage will move back and forth for approximately 5 minutes, which is a little longer than a print 1200dpi 14x16 Color-Only Print data.



If you have exceeded more than 18 hours the printer will prompt you to do a Daily Cleaning White instead.



*<Note>
"99 hrs" indicates when more than 100 hours have passed.*

3. A progression bar will appear on the printer display. After this menu is finished, print Nozzle Check Pattern for both Color and White, including Auto Cleaning, to confirm the print quality. Also print a Whiteness pattern on a pretreated material so that you can see the whiteness.

<Note>

The whiteness may depend on the volume of the print job. Execute the Daily Cleaning White if you feel the print is not white enough.

Daily Cleaning White for replacing dull White Ink

* Execute when your printer is idled for more than 18 hours from your last white print.

1. Pull out the White Ink Cartridges one at a time and hold the cartridge with both hands and manually agitate (shake) for 45-60 seconds to keep the whiteness. Hold the cartridge upside down from the mounted position. Shake by moving back and forth to mix up the pigment from the bottom and shake it horizontally from 30 seconds to 1 minute. (Refer to section 6-1-1 "Replacing the Ink Cartridge" in the manual.)
2. Select [Daily Cleaning White] from the menu and press the OK Button. Select "All White" to clean all the Print Heads at the same time or select each Print Head one by one. Press OK button to continue.
3. After replacing the White Ink, print a Nozzle Check Pattern from [Test Print] menu to check the print quality. Also print Whiteness pattern on the pretreated material so that you can see the whiteness.

Legend:

TC: White Tube Cleaning

DMW: Daily Maintenance White

WA: White Agitation

<Reference Case-1 originally instructed by the instruction manual> 5 days/w and 20 working days/month

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	TC	DMW100%	DMW100%	DMW100%	DMW100%	-	-
2	TC	DMW100%	DMW100%	DMW100%	DMW100%	-	-
3	TC	DMW100%	DMW100%	DMW100%	DMW100%	-	-
4	TC	DMW100%	DMW100%	DMW100%	DMW100%	-	-

<Sample Case-2> 5 days/w and 20 days/month

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	TC	WA	WA	WA	WA	-	-
2	TC	WA	WA	WA	WA	-	-
3	TC	WA	WA	WA	WA	-	-
4	TC	WA	WA	WA	WA	-	-

<Sample Case-3> Only 3 or 4 days/w

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	TC	WA		DMW100%	WA	-	-
2		TC	WA	WA		-	-
3	TC	WA	WA			-	-
4			TC	WA	WA	-	-

This recommendation is based on the optimal condition of the printer being kept within the recommend environment all the time.

There is no guarantee for white ink whiteness; however the case study was conducted by the actual GT users in the market. Every user's printing patterns will differ, please contact your Brother or Dealer representative

Your dealer(s)-distributor(s) are your first line of support, please contact them for prompt assistance. If you do not have a dealer(s)-distributor(s) refer to our website <http://www.brother-usa.com>. For additional information contact Technical Support at 1-877-427-6843 or tsupport@brother.com. Any information within this document is subject to change.
