<u>Inkjet Printer-Ink replacement manual</u> <u>for service personnel</u>

Applicable machine: D703, D1005 GREEN, GREEN ,GREENⅢ, GREENⅣ

1. Before starting the ink replacement operation

[Important]

• The operation is expected to take approximately 1 hour per printer. Please allocate sufficient time for the replacement work accordingly.

•Once the operation has been initiated, it is important to ensure that it is not interrupted until completion.

• If your system includes a Printer PC, please ensure that the Operation PC can establish a "Remote Desktop Connection" with the Printer PC in advance.

• Kindly note that due to a change in ink material, it may not be possible to achieve the exact same color gamut as before. We recommend comparing the gamut before and after printing to assess any differences.

• This procedure is not applicable to D703 Ver1 printers. In such cases, please get in touch with our service personnel for assistance.

• If you encounter the following attention messages on the screen: "NO.02156: Waste ink is nearly full" or "NO.02157: Waste ink is full," the ink replacement work cannot be performed.

• You need to bring the CD data in USB Media to work on the PC which does not

Examples on the operating environment

Profile Data will be updated along with the ink change operation. Please note the following depending on the operating environment. *Operation PC = EZC-PC Example 1: Multiple printers are connected to Operation PC

		Printer 1:
		Complete the ink change operation
Operation PC		complete the link entitige operation.
	1	
		Printer 2.
		De not de the introdemention
		Do not do the ink change operation.
		\rightarrow Print quality is different from Printer 1.
		D701 / D502:
		The ink change operation does not support the printers.
		\rightarrow Print quality is not affected.
		AgX printer \rightarrow Print quality is not affected
		Vou may see "NO 01756: Printer profile version does not match"
		displayed on the screen. Perform Daily Setup.

Example 2: Multiple Operation PCs are connected to a printer • Install Profile Data to ALL of the Operation PCs.



Please note that this procedure manual has been created using QSS-GREEN and an Operation PC with Windows10 OS. Some of the screens may differ depending on PC models or the OS, but the operational steps remain consistent.

2. Necessary items for the ink replacement operation

•Ink cartridge 104

*Common for all models

Part number	Description	Remark
H086162-00-	Ink Cartridge 104 BK	BK (Black)
H086163-00-	Ink Cartridge 104 C	C (Cyan)
H086164-00-	Ink Cartridge 104 M	M (Magenta)
H086165-00-	Ink Cartridge 104 Y	Y (Yellow)

Software

Program name	SYSTEM PROGRAM KIT		Image Processing Module	Profile Data
Model name	Part number	Version	Part number/Version	Part number/Version
D703	Z040093-01	8.00		
D1005	Z040101-01	9.00		
QSS GREEN	Z040117-01	6.00	7040227 01/Vor2 00	7040125 01/Mar N5 00
QSS GREEN I	Z040107-01	6.00	2040227-017 ver5.00	2040125-017 v el.IN5.00
QSS GREENⅢ	Z040112-01	2.00		
QSS GREENIV	Z040122-01	3.00		

3. Ink replacement operation overview Here explains the ink replacement operation overviews. Overview For details, see "4. Preparations and verification steps". 4.1 Print nozzle check pattern and confirm that there is no nozzle clogging. 4.2 Save the backup data. 4.3 Quit the EZ Controller application. For details, see "5. Replacement work to the new ink cartridges". 5.1 Install the maintenance software. Copy applicable data from USB Media and paste them in" InkChangeWizard" folder. -ImageProcessingModule DiskImage -ProfileData DiskImage Mandatory -D703_DiskImage -D1005 DiskImage You copy the DiskImage of the machine -QSS-GREEN_DiskImage which your customer use. -QSS-GREEN2 DiskImage -QSS-GREEN3_DiskImage -QSS-GREEN4 DiskImage For details, see 5.1.6 5.2-5.5 Execute InkChangeWizard. 5.6 Install Profile Data. 5.7 Install Image Processing Module. 5.8 Install the Printer Software. "You are about to be signed out" screen may popup. "Start remote desktop connection" screen may popup. 5.9 Replace to new ink cartridges 5.10-5.11 Print nozzle check pattern and confirm that there is no nozzle clogging. 5.12 Repeat the same process for other printers. If you have only one printer connected, this completes the work.

4. Preparations and verification steps

4.1 Print the Nozzle check pattern. *Do this for every printers. Confirm that there is no nozzle clogging or smudge.



[Important]

If you see nozzle clogging or smudge on the nozzle check print, perform Head Cleaning.

4.2 Save the backup data of the printer. *****Do this for every printers.

- 4.2.1 Display "Extension"→"Maintenance"→"Reading and Writing Printer Data"
- 4.2.2 Click "Writing Data" to save the backup data.
- 4.2.3 After saving the backup data, close the Maintenance Software and go back to EZ Controller screen.



[Reference]

These steps are carried out as a precaution in the event of any issues occurring. If the ink change operation is successfully completed without any problems, there is no need to perform the data loading.

4.3 Quit the EZ Controller application.

Click "F" button on the left bottom of the Controller Main Display→ "Quit The Application".



5. Replacement work to the new ink cartridges

5.1 Install the maintenance software of the printer.

- 5.1.1 Insert USB Media to the PC.
- 5.1.2 Open File Explorer→This PC→ USB Drive to open the machine DiskImage you want to work on. Double-click the "Setup.exe".
- 5.1.3 On the "Install" screen, select "Install the maintenance software only (on the local PC)" and "Foot/Inch" or "Meter" from the drop-down list and then click "OK". Follow the instructions on the screen and proceed the installation.

[Important]

Be sure to select "Install the maintenance software only (on the local PC)" from the drop-down list. Perform this procedures for every printers that are connected.

Install the maintenance/p	printer software (on the local PC)	*
nstall the maintenance/p nstall the maintenance/p nstall the printer software	rrinter software (on the local PC) rrinter software (on the local/network PC) e only (on the network-connected PC)	
nstall the maintenance s	offware only (on local PC)	-
A Contract of the contract of	- talled to lkin Box	
A 6		
		~

5.1.4 After installation, select "YES, I will restart the PC now." and click "Finish".

Installation finished.	
Restart the PC to use the program.	
Yes, I will restart the PC now.	
C No I will restart the PC later	_
, No, I will restart the FC later.	

- 5.1.5 After restarting PC, quit the EZ Controller application as it is described on 3).
- 5.1.6 Instead of installing the CDs, copy the data from USB Media to the Local Disk.

.1.0 instead of installing the CDs, copy ti	le data from USB Media to the Local Disk.			
Open File Explorer→This PC→Loca	al Disk (C)→Noritsukoki →Printer→ InkChangeWizard			
Copy applicable data from USB Med	lia and paste them in the "InkChangeWizard" folder.			
-ImageProcessingModule_DiskImag	e			
-ProfileData_DiskImage	Mandatory			
-D703_DiskImage				
-D1005_DiskImage	You copy the DiskImage of the machine			
-QSS-GREEN_DiskImage	QSS-GREEN DiskImage which your customer use.			
-QSS-GREEN2_DiskImage				
-QSS-GREEN3_DiskImage				
-QSS-GREEN4_DiskImage				
📙] 🕝 🧾 🖛 InkChangeWizard	- 🗆 X			
File Home Share View	~ 0			
← → ✓ ↑ 📙 > This PC → Local Disk (C:) > Noritsukoki > Pr	inter > InkChangeWizard > V C Search InkChangeWizard P			
Anne Name	Date modified Type Size			

→ × 个 🧾 > Thi	s PC > Local Disk (C:) > Noritsukoki > P	rinter > InkChangeWizard	>	v Ö	Search InkChangeWizard
	Name	Date modified	Туре	Size	
Quick access	Images	2023/08/22 18:07	File folder		
Desktop 📌	IPM_DiskImage	2023/08/01 11:55	File folder		
👆 Downloads 🛛 🖈	MSG	2023/08/22 17:42	File folder		
🔮 Documents 🛛 💉	Profile_DiskImage	2023/08/01 11:56	File folder		
Networks 🖉	QSS-GREEN_DiskImage	2023/08/01 11:57	File folder		
0801	Uninstall	2023/08/22 17:42	File folder		
Bin	Xmls	2023/08/22 18:07	File folder		
data	InkChangeWizard.exe	2023/06/14 14:15	Application	1,078	KB
	InkChangeWizard.exe.config	2023/03/10 14:31	CONFIG File	1	KB
QSS-GREEN-IV SYSD	InkChangeWizard.trace.log	2023/08/25 13:52	Text Document	1,778	KB
OneDrive	InkChangeWizard.xml	2023/02/21 9:33	XML Document	16	KB
THE	LibNoritsuPrinter.dll	2023/03/23 8:33	Application extens	223	KB
Inis PC	E RegRunOnce.exe	2023/06/14 9:45	Application	67	KB
3D Objects	RisInstaller.bat	2023/01/26 10:29	Windows Batch File	1	KB
Desktop	UninstallApp.exe	2023/06/14 9:45	Application	63	KB
Documents	UpdateDriver.exe	2023/06/14 9:45	Application	65	KB

[Reference]

By coping the data stored in the USB Media to the Local Disk, you will be able to click "Next" button without inserting/removing the CDs to the disk drive.

5.2 Launch "InkChangeWizard".

Open the start menu, and click "InkChangeWizard".

	Recently added	
	InkChangeWizard	
	QSS-GREEN Printer	
	QSS-GREEN-IV Printer	
	Alarms & Clock	
	Calculator	
	Calendar	
	Camera	
-	උ 🖸 🗧 🔒 🛱	<

5.3 Select the language you want to use and click "Next".

			M1000
	Let's start ink repla	cement work.	
	C	Language English	~
nk replacement work ta	kes about 30 min. per printer		
Be careful that if you up version. In case you need to dow personnel.	grade the software with this ngrade the software to the p	wizard, you cannot downgrade t vervious version, please contact	o the previous our service
		G	

5.4 Select the printer that you want to replace the ink and click "Next".



[Reference]

Replacement work is performed for every printer. If multiple printers are connected, select the one you are going to replace the ink.

5.5 Confirm the required items for the Replacement work.

Check the items you have and click "Next".

🍨 ink replacement \	Wizard					×
Model name	-GREEN 327903	139 Printer name QS	S-GREEN	192.168.0	.150	M1200
	Coi	nfirm if you have	the followin	g items.		
Ve Ve	SS-GREEN STEM PROGRAM r.6.00 or later	A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONT	Module Ver.3.0	Processing 0 or later		
Ve	ofile Data Vol.3 r.N 5.00 or later		🔽 Ink Ca	rtridge (104)		
Ro	ll paper					
Back					Next	

5.6 Install the Profile Data.

Confirm the following screen appears and click "Next".



[Important]

If the necessary data stored in USB Media are not copied to the Local Disk as described in 5.1.6, "Next" button is grayed out and cannot move to the next step.





5.7 Install "Image Processing Module".

5.7.1 Confirm the following screen appears and click "Next".



5.7.2 Select "Agree" and click "Next". Follow the instructions on the screen. After the installation is completed, click "Next".





5.8 Install the Printer Software.

Confirm the following screen appears and click "Next".



Before the installation completion screen of the printer software appears at Step 8), there might be different screens either the "You are about to be signed out" screen or the "Start remote desktop connection" screen displayed based on the user environment.

If "You are about to be signed out" screen appears After "You are about to be signed out" appears on the s Operation PC will be automatically restarted. After restarting the Operation PC, click "Next" . Then go to 9) Replacing the ink cartridges.	screen,
	Ink replacement Wizard - X
	OSS-GREEN 32790338 OSS-GREEN 192,168.0.150
	Printer software update has completed.
Printer software update	In regionarement work continues. Press (Next)
Installation is in progress.	
You're about to be signed out Windows will shut down in less than a minute. Close	Next
After restarting the Operation PC, if the following "Wi on the screen, check "Always trust software from "NORITSU PRE	indows Security" screen appears CISION CO.,LTD." and click "Install".
🛶 Windows Security	×
Would you like to install this device software?	
Name: Noritsu Precision Co., Ltd. NKC Device Publisher: NORITSU PRECISION CO., LTD.	
Always trust software from "NORITSU PRECISION CO., LTD.".	Install Dog't Install
You should only install driver software from publishers you t software is safe to install?	rust. How can I decide which device

2) Enter the information which your Printer PC ask to input such as user ID and password. Then click "OK" .

If you have connected to the "remote desktop connection" before, your Printer PC may remember the password.

In such case, "Enter your credentials" screen does not appear. Go to the next step.

If you use D1005, D703, and QSS Green II with Windows7 32bit:

The following confirmation screen may appear depending on your Printer PC environment.



- 3) After connecting remote desktop connection,
 - if the following "Windows Security" screen appears, check
 - "Always trust software from "NORITSU PRECISION CO., LTD." and click "Install". If the following screen does not appear, go to the next step.

0	Id you like to install this device software?
	Name: Noritsu Precision Co., Ltd. NKC Device Publisher: NORITSU PRECISION CO., LTD.
	Always trust software from "NORITSU PRECISION CO.,
0	You should only install driver software from publishers you trust. How can I decide which device

4) Close the remote desktop connection.

Click "X" on the upper right corner of the Remote Desktop Connection screen \rightarrow "OK". The screen will go back to 8).

Wy Computer		
My Network Places		
	Remote Desktop Connection X	
	Your remote session will be disconnected Programs on the remote computer will continue to run after you have disconnected. You can reconnect to this remote session tate by boging on again.	
	Don't display this message again OK Cancel	

5.9 Replace the ink cartridges with new ones.

After replacing the ink cartridge with new one, click "Next" . The printer will automatically start Ink Initial Filling and Head cleaning. After Head cleaning, click "Next".





[Important]

If error occurs during Ink Initial Filling, click "X" on the upper right corner of the Ink Replacement Wizard screen, and restart the Ink Replacement Wizard.

If the error occurs repeatedly, contact our service personnel.

	(S/N) (Print)				M140
QSS-GREEN	32790339	QSS-GREEN	192.168.0.150		1011 10
		Ink Initial Filling			
🗸 Ink Initial Filli	ng				
Head cleanin	g				
Jok Initial Filli	ng bas completed				
	ng nas completeu				
			_		
				News	
				rvext	

5.10 Print the nozzle check pattern.

After printer recognize the paper loaded in the printer, click "Next". Nozzle check pattern is printed.



5.11 Confirm the nozzle check pattern print.

If you don't see any ink clogging, check "There is no nozzle clogging." and click "Next".

QSS-GREEN	32790339	GSS-GREEN	Network address	8.0.150	M170
	Nozzle d	check pattern confir	mation		
If there is non-di	scharging part, nozz	le is clogged. Execute I	nead cleaning		
		BBEE			
	R				
		NG	ОК		
⊛ There is n	o nozzle clogg	NG	OK		

[Important]

If you see nozzle clogging, you need to perform Head Cleaning. Select "Nozzle clogging occurred (Head cleaning will be performed)" and click "Next". Perform the Head Cleaning and print the nozzle check pattern for confirmation.

5.12 If you do not have any other printers that requires ink replacement work, click "End".

If you have other printers that requires ink replacement work,

click "Ink replacement of another printer".

	Printer name	Network addre		M180
QSS-GREEN 3279	0339 QSS	S-GREEN 192.	68.0.150	
	Ink replacement wo	ork has completed.		
If you replace ink in diff	erent printer, press [in]	k replacement for anot	her printer] button.	
ſ				

This completes ink replacement work.

[Reference]

If you have other printers that requires ink replacement work, Click "Ink replacement of another printer" to display "Select the printer that you want to replace the ink" screen.

See the instructions on Step 4 to perform the ink replacement work. In this case,

• The screen will not ask you to install "Profile Data".

• If you select "End", the following Application closure confirmation screen appears.

6. Troubleshooting

• Printer to perform the ink replacement cannot be selected.

When the printer is not in ready-to-print status, you cannot select the printer. Please check such as below;

- -Maintenance mode is opened.
- -Printer door is opened.

	Select the printer that you want to replace the ink.	
Model name	D1005 D1005 D1005	^{Idress} 192.168.0.40
()	31570020 7.00.003 F/W Version 2.026	Version 1.00
Status	Operating with ti	he previous ink.
Model name	QSS-GREEN Printer name	
C (S/N	32790339 RSP Version F7W Version IPM	
Status		
Model name	QSS-GREEN-IV	tdress 127.0.0.1
C (S/N	00000008 80 2.08.012 F/W Version 1.038	Version 1.01
Status	Operating with t	he previous ink

• "Next" button is grayed out. Without copying the data stored in USB Media to the Local Disk, "Next" button is grayed out and cannot move to the next step.

For details, see 5.1.6.

nk replacement Wizard					×
QSS-GREEN	32790339	QSS-GREEN	192.168.0.150		M130
	Image Pr	rocessing Module insta	allation		
Insert CD later :	than Image Process	sing Module Ver3 00 to D)isk drive and close the	a trav	
Insert OD later	man image Process	ang Module Veratoo to p	nak unive and close (ne	s tray.	
	-	-	are Processing Bodale		
	Aller		. Fer. 2.00		
	te s		5		
		1000			

• **Printer that requires ink replacement is not displayed.** Printer may not be displayed depending on status of the printer. Restart the Printer PC.

	Select the printer that you want to replace the ink.
Model nar	e QSS-GREEN-IV
0	00000008 (FIP Version 2.08.012) (F/W Version 1.038) (FM Version 1.0
	Operating with the previous in
	QSS-GREEN OPrinter name QSS-GREEN OVEREEN OVEREEN OVEREEN OVEREEN OVEREEN OVEREEN
C [S7N	32790339 (FIP Version 5.08.009)(F/W Version 1.035)(FM Version 3.0
	Operating with the previous in
End	Profile

• Do not open/ close the printer door or maintenance doors during this replacement work. The following error may occur.

del name	N Prin	ter name	(Network address	N
QSS-GREEN	32790339	QSS-GREEN	192.168.0.150	
		Ink Initial Filling		
🚺 Ink Initial Filling				
Head cl				
🚫 Ink Initi	1.1	Table City		•
	Please o	contact our service per	sonnel.	•
				i