

User maintenance sheet when using UMS21 ink



- Please follow the instructions on this sheet to perform maintenance. Inadequate maintenance will cause nozzle clogs or damage to the print head or reduce cleaning performance of your printer.
- When using UMS21 ink, please purchase the designated maintenance cleaner (VJ-ULVA1-ML500) and maintenance kit (VJ-PH-MAINTKIT).
- Always wear protective gloves during maintenance work to avoid contact with maintenance cleaner and ink.

《Printer use conditions》

XPJ-1641SR-P2		
Operating environment		Temperature 20°C to 32°C Humidity 40% to 60%
Storage environment		Temperature 5°C to 35°C Humidity 20% to 80%
		When stored above 32°C: Storage period allowed: up to 4 days
If you're not using the printer for	less than a week	• Put the printer into Sleep Mode ☞ See the section "Sleep Mode" in your printer's operation manual
	over a week	a) Run a nozzle check once a week. Perform cleaning if there are nozzles missing. ☞ See the section "Nozzle Check" and "Cleaning" in your printer's operation manual b) If you are unable to perform a) Use the "Longstore" menu to perform a head washing and then power off the printer. It can be stored with power off maximum up to one month. ☞ See the section "Longstore" in your printer's operation manual

《When to perform maintenance》

XPJ-1641SR-P2	
Once a week at the end of the work	
When this message is prompted on the operation panel	
Perform CR Maint.	
Important! Once the CR maintenance is completed, please perform the Soak cleaning.	

In case the following problems appear, you should perform maintenance immediately:

- Nozzle missing or deflection persists even after several cleaning attempts.
- The accumulated ink sticking to the print head hits a print and causes smears.
- Nozzle got clogged due to the accumulated ink removed from the print head, causing nozzle missing or deflection.

Items required:

- Maintenance cleaner (Optional consumables)
- Stainless steel tray
- Plastic cup
- Cleaning stick
- Vinyl gloves
- Papertowels (or Polyester knit wipers)
- Personal goggles

(a) Use the designated cleaner.
Items (c) to (f) are included in the maintenance kit.

a



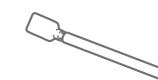
b



c



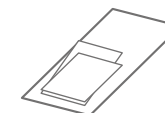
d



e



f



g



Preparations:

Wear protective gloves and goggles.

- Pour some maintenance cleaner into the plastic cup and dip the cleaning stick into the cleaner.

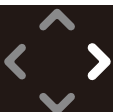
[If gets dirty during maintenance] Rinse the stick in the cleaner.



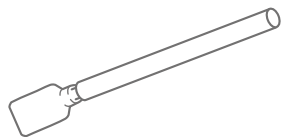
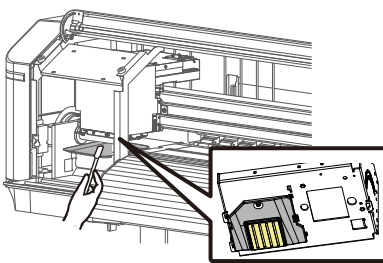
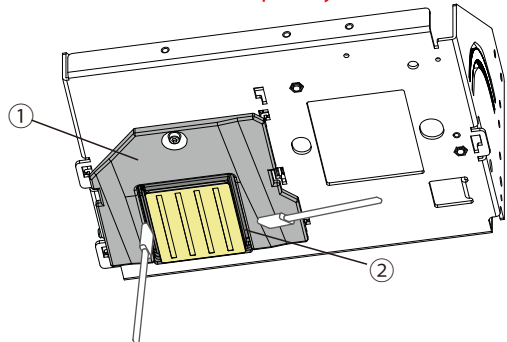
Note

Please contact your local MUTOH dealer for ordering maintenance parts.

1. Put in Maintenance Mode

1	Tap  key while [Print Ready] is displayed on the panel.	print Ready PG:Low1 W:1625mm 
2	Use  /  key until "CR Maintenance" menu appears.	 CR Maintenance Start -> Enter
3	When this message appears, tap the [Enter] key. • The carriage will move to the opposite side. • The cleaning wiper will move up to the maintenance position.	
4	When this message appears, you can perform maintenance. The printer can be put in Maintenance Mode for about 10 minutes. If the maintenance takes longer than that, the message "Close cover" will appear. When prompted, stop the maintenance, close the maintenance cover as well as the front cover, and then tap the [Enter] key to exit from Maintenance Mode. When the message "CR Maintenance Start" appears, go back to step 3 and restart the maintenance.	CR Maintenance End -> Enter

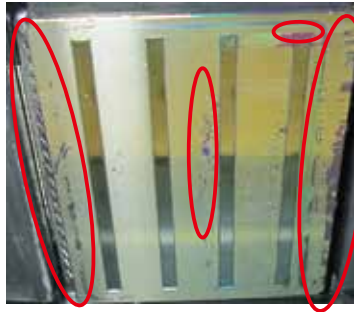
2. Clean around the print head

1	Use the cleaning stick to clean around the print head. Open the front cover, then open the maintenance cover on the left side.	
2	Place the stainless steel tray under the print head in order to avoid dirt entering inside the printer.	
3	Look at the underside of the carriage and use the cleaning stick to remove the ink and dust sticking to the area highlighted in gray in the illustration below:  Do not touch the nozzles and the nozzle plate (yellow)	 *If the dirt or the sticking ink cannot be removed completely, use a polyester knit wipe (optional consumables) dampened with maintenance cleaner to clean it.  Clean these parts ①...Head guide (gray plastic part) ②...gap between ① and around the nozzle plate

3. Clean the nozzle plate (only when the ink is sticking to the plate)

- 1** This maintenance is required only when you see the ink sticking to the nozzle plate.
Use the cleaning stick to clean the dirt on the nozzle plate.

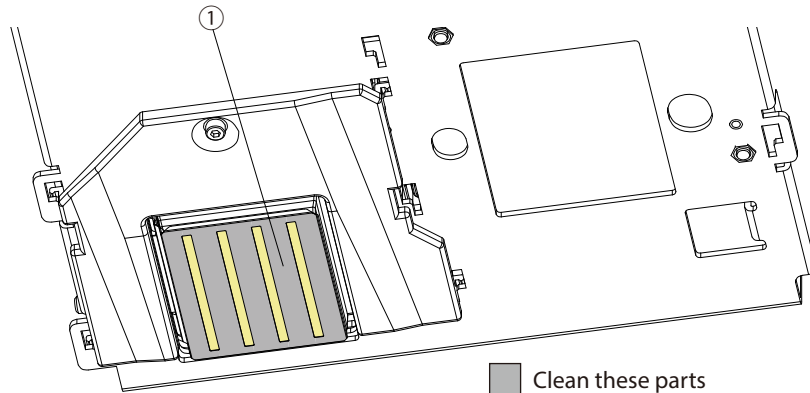
Nozzle plate



○ ...Ink sticking to the plate.
Most likely it sticks to the area that contacts with the capping unit

- 2**  Do not touch the nozzles (yellow).

- If you accidentally touched the nozzles, run a nozzle check after the maintenance and make sure all nozzles are clear.
- Try cleaning several times until the dirt or the sticking ink is removed.
- Do not use items other than cleaning stick.

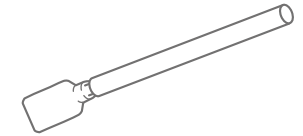


 Clean these parts
①... Nozzle plate (silver metal part)

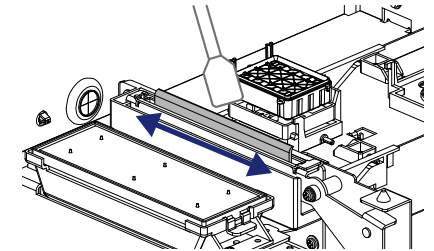
4. Clean the cleaning wiper and around the capping unit

- 1** Use the cleaning stick to clean these parts:
• cleaning wiper
• rubber part of the capping unit

Open the maintenance cover on the right side.

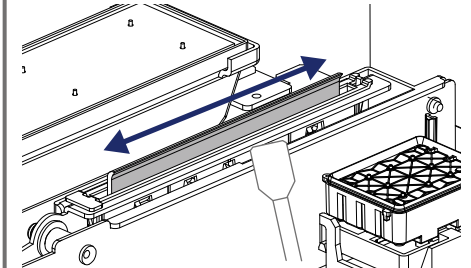


- 2** Clean the left side of the cleaning wiper (black rubber) to remove dirt.



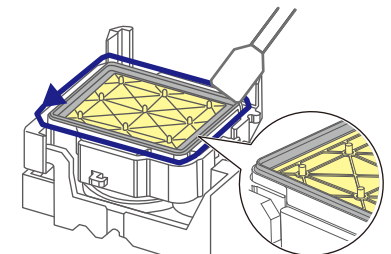
- 3** Clean the right side of the cleaning wiper to remove dirt.

*If the dirt or the sticking ink cannot be removed completely, use a polyester knit wipe (optional consumables) dampened with maintenance cleaner to clean it.

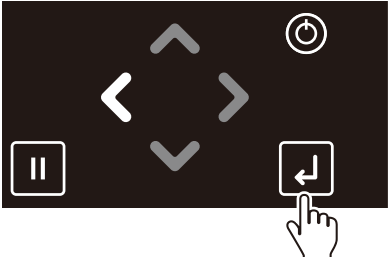
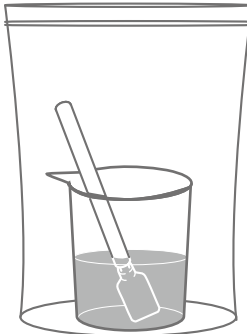


- 4** Clean around the rubber part as well as the edge of the rubber part of the capping unit to remove the ink and dust.

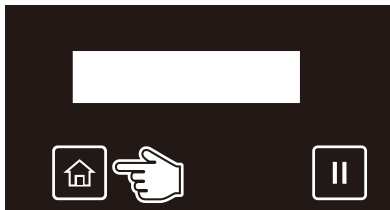
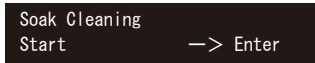
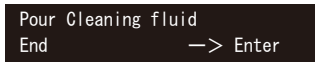
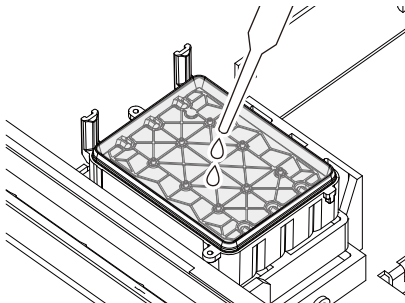
 Do not touch the ink absorber (yellow).



5. End the user maintenance

1	Once the maintenance is done, close the maintenance cover. Remove the stainless steel tray. Close the front cover and tap the [Enter] key on the operation panel.	
2	Put the cleaning stick back in the maintenance cleaner to store. To keep the wiper and the capping unit always clean, • Make sure to replace with a new cleaning stick every week. • Do not use the cleaning stick if the ink on the stick gets dried. • Put a plastic bag or plastic wrap over the plastic cup with maintenance cleaner to keep out dust. • Make sure to refresh the maintenance cleaner in the plastic cup every week.	
3	Once the CR maintenance is completed, please perform the Soak cleaning.	

6. Soak Cleaning

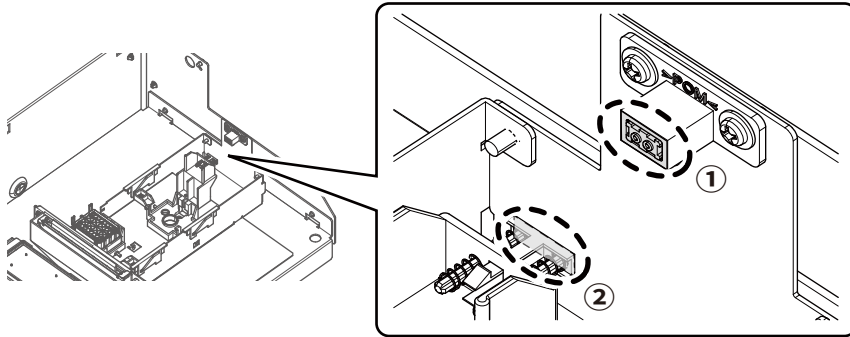
1	Tap [Home] key.	
2	Access the “Soak Cleaning” menu and proceed until you see the message on the right.	
3	Tap [Enter] key to start maintenance. • The carriage moves to the maintenance space on the left side of the printer. Soak cleaning cannot be performed when the printer is in the following conditions. • Front cover or maintenance cover is open. • Waste ink tank is full. • Ink bag case is removed. • Smart chip card is removed. • A non-genuine smart chip card is inserted.	
4	When the message on the right appears, slowly open the front cover and then the maintenance cover on the right side in order.	
5	Fill the head cap with maintenance cleaning solution. • Use a dropper to fill it with maintenance cleaning solution until the cleaning solution almost overflows the cap. 	

6. Soak Cleaning (Continued)

6

Using a paper towel, wipe off any ink on the surface of the air valve (parts ① and ②).

- Use the supplied paper towels or optional polyester knit wipers.



7

Slowly close the maintenance cover on the right side and then the front cover in order.

8

Tap [Enter] key.

- The carriage goes back to the capping station.

Pour Cleaning fluid
End —> Enter

9

Use  /  key to specify the soaking time and tap [Enter] key.

- 10 minutes is recommended for soak cleaning time.
- The countdown begins. When the soak cleaning timer reaches zero, the suction begins followed by cleaning. (Or suction only if cleaning cannot be performed)

Soaking time
(1 - 99) 10 min

10

End the soak cleaning.

- Clean off the maintenance cleaner from the dropper with the paper towel.
- Dispose of the maintenance cleaner in the plastic cup and clean off the cup with the paper towel.
- Close the maintenance cleaner bottle tightly and store it.



Important!

- Used paper towel and the maintenance cleaner left in the plastic cup are industrial waste. Dispose of them in accordance with the local regulations.
- Please contact your local MUTOH dealer if the jetting failure persists even after several soak cleaning attempts.