

# TECHNICAL INFORMATION

## US61 Varnish gelled

<b>Release Date</b>	May 28, 2025	<b>Bulletin No</b>	TB0181c
<b>Important</b>	<input checked="" type="checkbox"/>	<b>Maintenance parts</b>	<input type="checkbox"/>
<b>Preventive Action report No</b>	-		
<b>Model</b>	US61-Va (XPJ-1462UF, XPJ-1682UR)		

### [Phenomenon]

VA nozzle clogging occurred in the market.  
In that case, gelatinized ink was found in the print head.

### [Cause]

Due to a lot defect in the ink, it was confirmed that the ink thickened and foreign matter was generated over time in the stock products.

### [Target lot]

Color	Lot	Use-Before
US61Va	956077	19-Nov-25

### [Actions]

As soon as a new lot arrives, please stop shipping the problematic Lot: **956077** stock items and keep them on site until further instructions.

The market response should be as follows.

Please check the inventory and the quantity in use of the ink in the lot in question at the customer's site and replace it with new ink free of charge (compensation will be made at a later date).

Please confirm the next delivery schedule, quantity, etc., and take measures to avoid shortages.

Gelled ink can be re-dissolved by flushing with a cleaning solution.

Please follow the procedure below to repair the printer.

### [Procedure]

Prepare UH22-CL220E for the slot of the printer (compensation will be made at a later date).

Longstore and initial charge is done in self-diagnostic mode.

Please check the next page for details.

If the nozzle clogging persists, replace the Printhead and Dampers.

## **Case 1. Machine with no Va nozzle clogging.**

### **XPJ-1462UF**

Please prepare 4 CL cartridges.

-Start in self-diagnostic mode.

-Select "4. Adjustment".

-Perform "Adj. 9: Ink Discharge".

Select "Head Select: Head2".

-Perform "Adj. 10: Longstore".

\*Replace the Slot5 and Slot6 CL cartridges with new ones when "[56] Remove Cart." is displayed.

\*Click the Cancel button to exit the Longstore when the second "[56] Set Cartridge." is displayed.

-Select "3. InkCharge".

-Perform "InkCharge1: Normal".

- Restart in normal mode.

### **XPJ-1682UR**

Please prepare 8 CL cartridges.

-Start in self-diagnostic mode.

-Select "4. Adjustment".

-Perform "Adj. 9: Ink Discharge".

Select "Head Select: ALL".

-Perform "Adj. 10: Longstore".

\*Click the Cancel button to exit the Longstore when the second "Insert Cleaning Cart." is displayed.

-Select "3. InkCharge".

-Perform "InkCharge1: Normal".

Select "Ink Config: 6Color".

- Restart in normal mode.

## Case 2. Machine with Va nozzle clogging.

Gelled ink needs to be removed from inside the head.

### Items to be prepared:

- DG-41787 Valve Head Cleaning Kit (VJ Ink)
- UH22-CL220E
- VJ-ULVA1-ML500E (used for daily maintenance)

### Procedures:

Remove the ink tubes from the head dampers and the head cover and all dampers.

Attach the tube to the nipple on the VA line of the head.

XPJ-1462UF head2 row B, C, F, G

XPJ-1682UR head1, 2 row A, B

Attach the syringe to the tube.

Start the printer in self-diagnostic mode.

Use the menu Cap-in/Cap-out function.

XPJ-1462UF Menu 14. Cap-in/Cap-out

XPJ-1682UR Menu 15. Cap-in/Cap-out

Cap Out.

->Cleaner inside the cap assembly.

(using VJ-ULVA1-ML500E).

\*Fill the cleaner up to the edge of the cap.

Cap-in.

->Cap-in the printhead again on the cleaner.

Aspirate cleaner with syringe.

Repeat 3 times with the same channel.

Shut down the printer.

Clean inside the tube.

Install UH22-CL220E into the slot of VA.

Aspirate the cleaner from the end of the tube with a syringe.

Repeat until the liquid in the syringe becomes clear.

Rinse the new damper with UV cleaner (UH22-CL220E) to clean the inside of the dampers.

\*Use DG-41787 Valve Head Cleaning Kit (VJ Ink)

Install the new dampers and reinstall the head cover and reconnect the head ink tube.

Install the VA ink bag that is not in problem.

Start the printer in self-diagnostic mode.

3. Ink Charge > 1. Initial Charge.



Use a dropper to fill it with maintenance cleaner until the cleaner almost overflows the cap.

