

MUTOH

XPJ-1642WR / XPJ-1682WR XPJ-1341WR-P / XPJ-1682SR-DSP & DS3 / DS4 Inks Maintenance



Maintenance of the XpertJet water-based printer Series in combination with Mutoh's DS3 / DS4 Inks

Advised Daily Maintenance Scheme

To keep your printer in perfect shape, it is important to follow the maintenance guidelines. Performing preventative maintenance on the machine improves the longevity of the ink delivery system parts and assists in the optimum performance of the machine together with the ink.

Frequency: Daily at the end of a production day




- Cleaning the wiper.
- Cleaning the capping rubbers in the maintenance station.
- Cleaning edges of the printhead faceplate.
- Flush the caps in the maintenance station.
- Rinse away ink remainders from the spitting box sponges.

Important:

- To perform maintenance, it is important to use the cleaning liquid available specifically for DS3/DS4 inks (DS3-CL1000E)
- **Do not use tap water** to perform these activities. The presence of lime in tap water will cause issues.
- Illustrations used in this document are based on the **XPJ-1642WR**, **XPJ-1682WR** and **XPJ-1682SR-DSP** models. On **XPJ-1341WR-P** the actions are similar, however the menu structure and printer mechanics might differ.




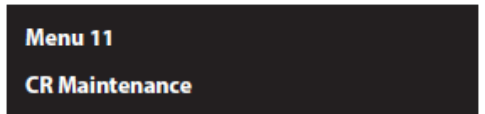



Daily Maintenance Overview




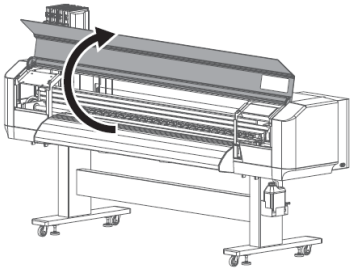
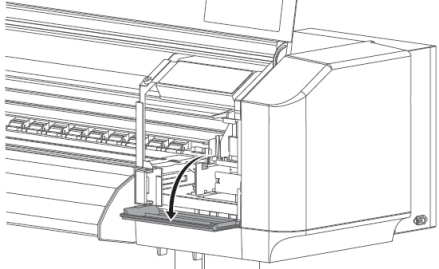
Required items:

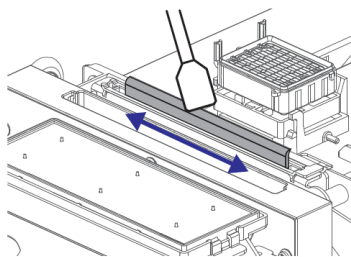
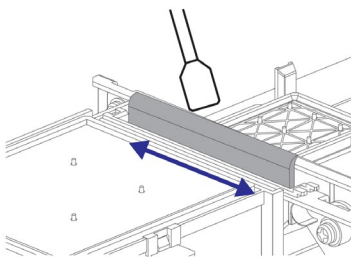
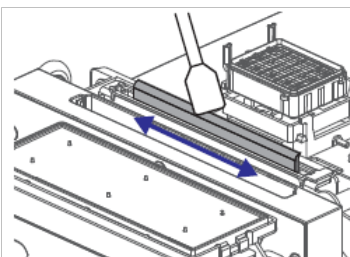
Cleaning sticks - RH2-CLEAN-STICK	Droppers – 1U021001 – Dropper 6 Pack Set
	
DS3/DS4 Cleaning liquid: DS3-CL1000E	Nitrile Gloves: DH-40162 or PJ-GLOV (or alike)
	

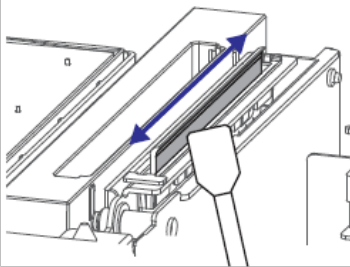
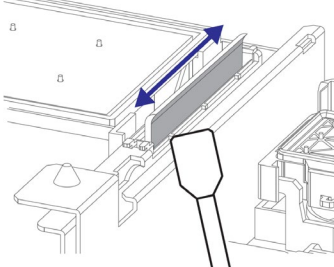
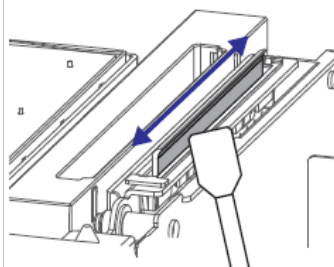
Important:

- Do not touch the cleaning sticks with your fingers. Skin grease may cause quality issues.
- Do not reuse dirty cleaning sticks. Dust, dirt and dried ink remainders will cause quality issues.

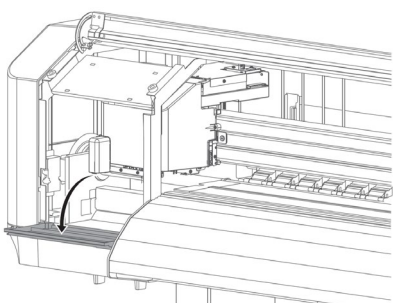
Step	Display	Touch Panel Action and/or Activity
1.		Tap “Home” 
2.	<p>XPJ-1642WR & XPJ-1682WR</p>  <p>XPJ-1682SR-DSP</p> 	<p><u>XPJ-1642WR & XPJ-1682WR</u> Tap <Arrow Right> and proceed to step 3. </p> <p><u>XPJ-1682SR-DSP</u> Tap <Arrow Down> until the Menu CR Maintenance appears. Depending on the printer model and installed firmware version, the Setup Menu number may be different.  Then, tap <Arrow Right>  Proceed to step 4.</p>
3.	XPJ-1642WR & XPJ-1682WR	Tap <Arrow Down> until the Menu CR Maintenance appears. Depending on the printer model and installed

	Setup 18 CR Maintenance	firmware version, the Setup Menu number may be different.  Then, tap <Arrow Right> 
4.	CR Maintenance Start -> Enter	Tap <Enter>  <ul style="list-style-type: none"> • The head shuttle will move to the left side of the printer. • The wiper will move upward allowing you to clean it.
5.	CR Maintenance End -> Enter	
6.		Open the front cover.
7.		Open the right maintenance cover.

WIPER CLEANING		
XPJ-1642WR	XPJ-1682WR	XPJ-1682SR-DSP
		
Wipe the left side of the wiper back and forth using a cleaning stick moistened with some cleaning fluid (DS3-CL1000E).		

XPJ-1642WR	XPJ-1682WR	XPJ-1682SR-DSP
		
<p>Wipe the right side of the wiper back and forth using a cleaning stick moistened with some cleaning fluid (DS3-CL1000E).</p>		

CLEANING AROUND THE PRINT HEADS

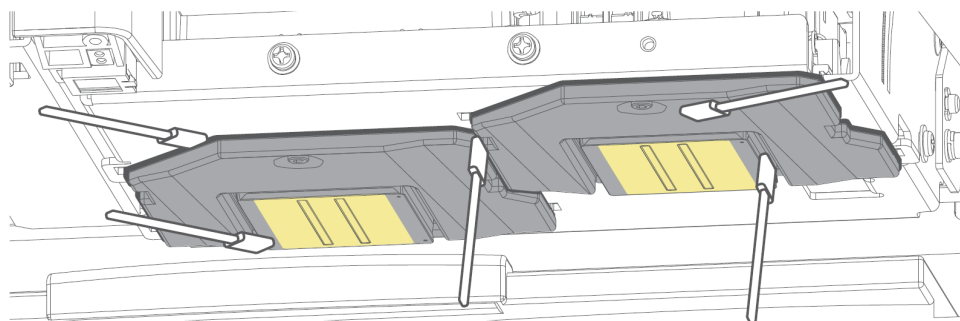


Open the left maintenance cover.

XPJ-1642WR

- Using a cleaning stick moistened with cleaning liquid (DS3-CL1000E), remove accumulated ink and/or dust on the bottom of the print head shuttle. See illustration below
- Clean the surface around the print head, the space between the print head and the print guide and the left & right sides of the print head.
- Clean the print head guide (black plastic), the space between the print guides and the bottom of the shuttle and the space between the print guides.

XPJ-1642WR Model

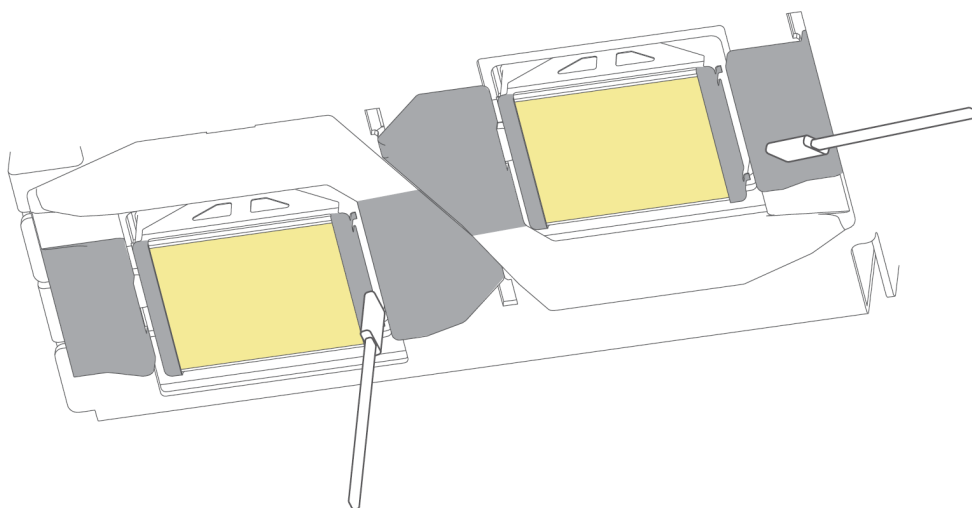


■ Clean the area indicated in grey as described above.

■ Do not touch the area indicated in yellow (nozzle plate surface).

XPJ-1682WR

- Using a cleaning stick moistened with cleaning liquid (DS3-CL1000E), remove accumulated ink and/or dust on the bottom of the print head shuttle. See illustration below.
- Clean the surface around the print head (silver metal part) as well as the area between the print head and the print guide.
- Clean the print head guide (black plastic part).

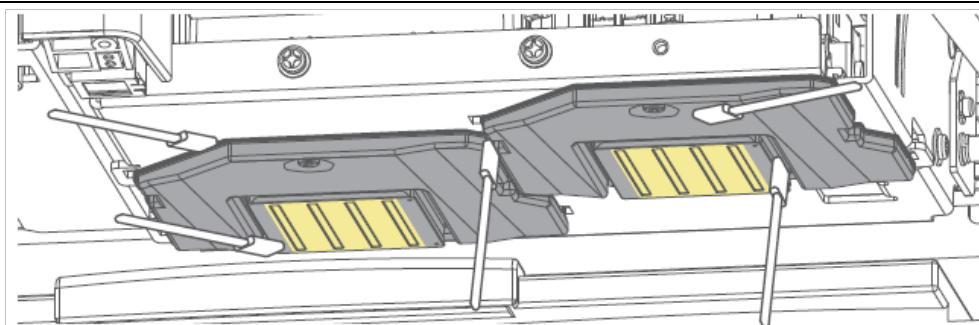


■ Clean the area indicated in grey as described above.

■ Do not touch the area indicated in yellow (nozzle plate surface).

XPJ-1682SR-DSP

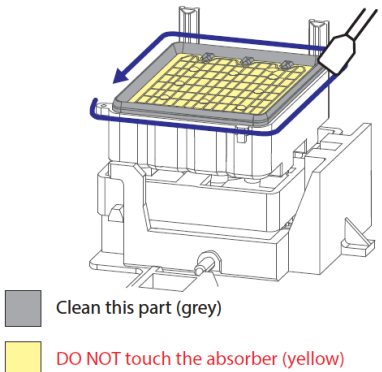

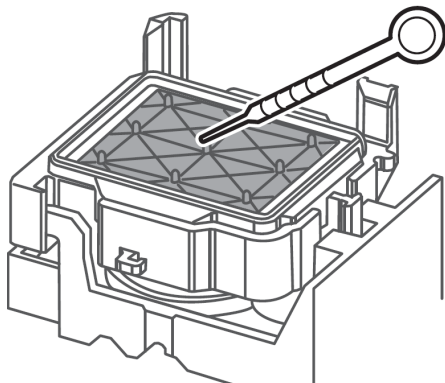

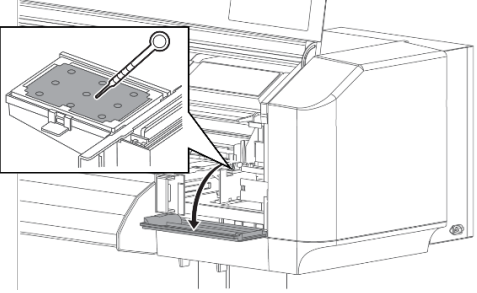
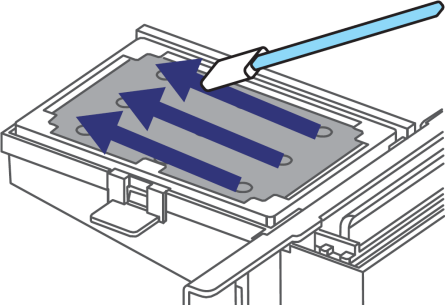
- Using a cleaning stick moistened with cleaning liquid (DS3-CL1000E), remove accumulated ink and/or dust on the bottom of the print head shuttle.
See illustration below
- Clean the surface around the print head, the space between the print head and the print guide and the left & right sides of the print head.
- Clean the print head guide (black plastic), the space between the print guides and the bottom of the shuttle and the space between the print guides.

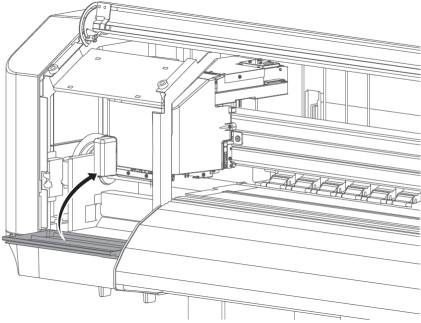
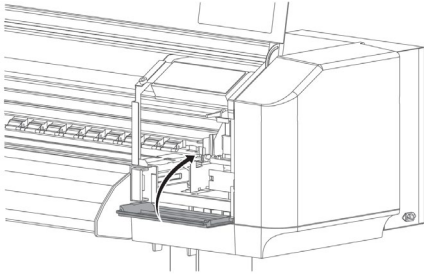
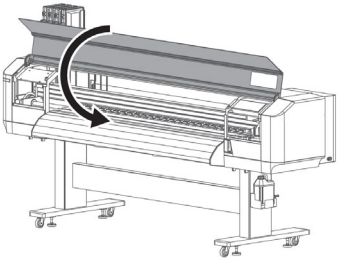




■ Clean the area indicated in grey as described above.

■ Do not touch the area indicated in yellow (nozzle plate surface).

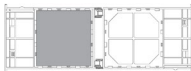
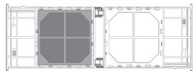
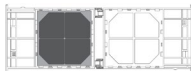
CLEANING AROUND THE CAPPING UNIT and FLUSHING BOX SPONGE

12.	 <p>Clean this part (grey)</p> <p>DO NOT touch the absorber (yellow)</p>	<p>Use a cleaning stick moistened with some cleaning fluid (DS3-CL1000E) to clean around the capping rubber of each capping unit to remove ink remainders and dust.</p>
13.	<p>CR Maintenance</p> <p>End -> Enter</p>	<p>Tap the "Down Arrow" to activate the capping station pumps to evacuate ink/cleaning liquid.</p> 
14.		<p>Using a dropper, moisten the capping units with some cleaning fluid (DS3-CL1000E).</p>
15.	<p>Pumping End</p>	<p>As soon as the liquid has been evacuated by the pump, stop the pumps by tapping the "Down Arrow" again.</p>  <p>"Pumping End" is displayed briefly.</p>
16.		<p>To extend the longevity of the flushing box sponge, it is recommended to moisten it with some maintenance cleaner.</p>
17.		<p>Use a cleaning stick to clean the complete area of the spitting box sponge.</p> <p>After some time, the sponge will be completely saturated and the ink is no longer absorbed. At that time, the sponge needs to be replaced.</p>

18.		Close the left maintenance cover.
19.		Close the right maintenance cover.
20.		Close the front cover.
21.	<div data-bbox="357 1137 834 1256"> <p>CR Maintenance End -> Enter</p> </div>	Tap <Enter> . 
22.	<div data-bbox="357 1301 834 1420"> <p>CR Maintenance Start -> Enter</p> </div>	Tap "Home" to end the maintenance process. 

Maintenance & consumable replacement without specific fixed scheme.

Details on how to perform these maintenance & consumable replacements can be found in the XPJ-1642WR / XPJ-1682WR / XPJ-1682SR-P (XPJ-1682SR-DSP) Printer Operation Manual.

Maintenance	When to perform & Required parts
Clean the lens of the colour sensor.	<ul style="list-style-type: none"> The printer repeatedly fails to perform auto calibration.
Replace the flushing pad / spitting box sponge.	<ul style="list-style-type: none"> The flushing pad/spitting sponge is fully saturated and the ink is no longer absorbed. <ul style="list-style-type: none"> XPJ-1642WR: Flushing Pad - IJ-FLABS-01 (3 pieces/box) XPJ-1682WR: Spitting Box Absorbent - VJ16STG-FB-W3 (3 pieces/box) XPJ-1682SR-DSP: Flushing Pad - IJ-FLABS-01 (3 pieces/box)
Replace the cutter blade.	<ul style="list-style-type: none"> The printer is no longer able to cut paper smoothly or completely. <ul style="list-style-type: none"> XPJ-1642WR: Cutter Blade / Sheet-Off Knife - VJ-CB XPJ-1682WR: Cutter Blade / Sheet-Off Knife - VJ-CB XPJ-1682SR-DSP: Cutter Blade / Sheet-Off Knife - VJ-CB XPJ-1341WR-P: Sheet of Knife VJ-CB
Replace the exhaust fan filters. <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">Fresh Filter</div> <div style="text-align: center;">Still OK</div> <div style="text-align: center;">Replacement Required</div> </div>	<ul style="list-style-type: none"> The exhaust filters collect ink mist. Please inspect them regularly and replace them when needed. <ul style="list-style-type: none"> This feature is applicable only for XPJ-1642WR: Fan Filter – IJ-EFFLT-01 – 18 pieces per box.
Replace the wiper blade	<p>Situations requiring wiper replacement:</p> <ul style="list-style-type: none"> The wiper is deformed. The wiper can no longer be cleaned properly because too much dried ink has accumulated on it. As such, head cleaning does not work efficiently. ±12 months have elapsed since the previous wiper replacement. <p>Wiper part numbers:</p> <p><u>XPJ-1642WR:</u></p> <ul style="list-style-type: none"> Replaceable wiper for head heights Low1, Low2 and medium – IJ-RWPS-01 (2 pieces/box) Replaceable wiper for high head height only – IJ-RWPSH-01 (2 pieces/box) <p><u>XPJ-1682WR:</u> Replaceable wiper in holder VJ1638UH-WIP (2 pieces/box)</p> <p><u>XPJ-1682SR-DSP:</u> Replaceable wiper IJ-RWPS-01 (2 pieces/box)</p> <p><u>XPJ-1341WR-P:</u> Replaceable wiper IJ-WIP-02 (2 pieces/box)</p>