

Toshiba Tec CA3/CA4/CA5/CE2 Print Head Recovery Quick Guide

Step 1. Reverse Flush the print head

This step is required for severely clogged print heads. You may skip this step and get back to it later if you don't have a satisfactory results from the Forward Flushing methods. Use a suction method of reverse flushing as shown here. Run Syphon cycle. After it's completed, set up your print head for Forward Flushing and run it with Syphon cycle again. Use fluid # 1UV if you are cleaning a UV print head, or fluid # 1X for solvent print head, or fluid # 1W for water-based one. Temperature can be 30°-35°C. Do not exceed Max Temperature indicated on the picture. Remember that the temperature will rise due to the ultrasonic power.

Step 2. Forward Flush the print head

Set up your print head for forward flushing as shown on the picture below. Run Syphon cycle only. Start with temperature of 30°C. After the cycle has been finished, run Drain cycle (to turn on the pumps) and check nozzles. If there is improvement, repeat the cycle with a slightly higher temperature. Do not exceed Maximum Temperature.

Step 3. Proceed with Forward Flushing

If you don't see improvements in the nozzles condition, move on to the next fluid (the fluid with the next number). When changing fluids, follow instructions from our videos. Set temperature to 30°C and go to Step 2.

Step 4. Flushing print head with the Flush that comes with your inks

After the print head has been recovered, fill it with the **Intermediate Fluid** (also called **Storage Fluid**). Purge it out with air. Then, fill the print head with flushing solution that comes with your ink. Check if the nozzles are still open by slowly pushing your fluid with a syringe. If they are clean, the print head can be installed on a printer.

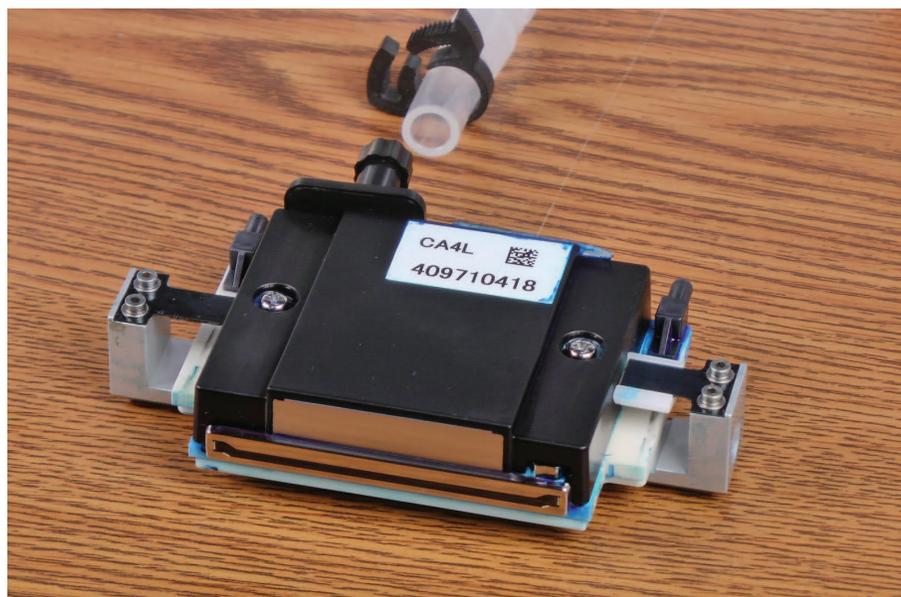
Important: do not leave recovery fluids with number higher than 1 inside the machine overnight. They will affect the pumps. Always drain the fluid and run distilled water through the machine for 1 minute, then purge the water out by allowing the machine to suck in the air and by running the AR cycle for a few seconds.



Toshiba Tec CA3 / CA4 / CA5



Toshiba Tec CE2



Mimaki UV Print Head (Toshiba CA4)

Forward Flushing Toshiba Print Head

**MAX
PRESSURE**

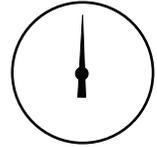
0.10
MPa

15
psi

Print Head
Recovery Fluid
Tank

Maximum
Temperature **45°C**

Outputs



Maximum pressure
0.10 Mpa / 15 psi

Inputs



Adjust pressure
with Relief Valve

1. Connect print head as shown.
2. Install input filter(s)
3. Partially open the Relief Valve.
4. Start Syphon or Normal cycle.
5. Keep pressure within limits.
6. Do not exceed Max Temperature.

Reverse Flushing Toshiba Tec print head using Suction Method

Print Head
Recovery Fluid
Tank

Maximum
Temperature **40°C**

Outputs



Pressure at zero

Inputs



Relief valve open

1. Fluid and tank must be clean.
2. Plug both output ports.
3. Open Relief Valve (one turn).
4. Fluid must reach Print head.
5. Connect print head as shown.
6. Run Syphon cycle.