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Maintenance Schedule | SureColor® F2000 White Edition



	DAILY (when in operation)	WEEKLY	MONTHLY	AS NEEDED	LONG-TERM STORAGE (more than 30-day idle period)
Shake White Ink Cartridges	Green	Grey	Grey	Grey	Grey
Nozzle Check	Green	Grey	Grey	Grey	Grey
Printhead Cleaning Cycles	Green	Grey	Grey	Grey	Grey
Suction Cap Cleaning	Grey	Yellow	Grey	Grey	Grey
Tube Wash	Grey	Grey	Orange	Grey	Grey
Shake Color Ink Cartridges	Grey	Grey	Orange	Grey	Grey
Check for New Firmware/Software	Grey	Grey	Orange	Grey	Grey
Replace Printhead Maintenance Kit	Grey	Grey	Grey	Blue	Grey
Clean Around the Printhead	Grey	Grey	Grey	Blue	Grey
Clean Carriage Scale	Grey	Grey	Grey	Blue	Grey
Change Ink to Cleaning Fluid	Grey	Grey	Grey	Grey	Purple

DAILY

(when in operation)

15
Minutes

WHY

Epson® UltraChrome® DG White ink pigment particles will settle (out of the solution) to the bottom of the ink cartridges and walls of the ink delivery tubes. It's normal for nozzle loss to occur after an idle period of time. The recommended daily maintenance maintains a healthy printhead by re-suspending the ink particles and recovering missing nozzles.

PROCESS



Shake White Ink Cartridges

Every 24 hours, the printer's LCD panel will prompt you to shake the White ink cartridges. Remove and shake both White ink cartridges vigorously for a total of 15 seconds. Shake for 8, flip over and shake to 15 total. Every 20 hours, ink that is in the printer's tubing will be circulated. This circulation process starts automatically with printer activity, takes approximately 10 minutes, and consumes no ink.



Print a Nozzle Check and Repeat Selective Cleanings as Required

Set a medium or large platen to height "P", remove the hoop and print a nozzle check on the clean surface. Review the nozzle pattern for missing or deflected segments and use additional selective light cleanings as required. Three to five missing white nozzles is not a concern, and will not show on a garment as long as they are not adjacent to one another. After cleanings, wipe down the surface and repeat the nozzle check print to confirm a good pattern. If the nozzle health improved (some missing segments recovered) but is still not complete, repeat light cleanings. If there is no change, move up to medium-strength cleaning. Also see suction cap cleaning in weekly maintenance.



Perform Selective Light Cleanings on WH1/WH2 and WH3/WH4

Epson America, Inc. recommends setting the White Auto Nozzle check to Off. This setting is located on the printer's control panel under Printer Setup/Power On Cleaning/White Ink. Upon powering on the printer, press OK at the prompt to acknowledge this setting is off. This puts you in charge of your printhead health. Start each morning with a selective light cleaning on the white ink channels.

REQUIRED ITEMS



A dry wipe to clean the platen and remove the printed nozzle pattern



Ink used for proper printer maintenance



Labor



Items needed

WEEKLY

5-10
Minutes

WHY

In order to maintain a healthy printhead, the suction cap must be able to effectively seal against the surface of the printhead to provide a positive suction force. Over time, ink will dry and build up on its surfaces and must be periodically removed. The warning signs of an unclean cap are ineffective cleaning cycles (no change in nozzle health) and lack of a visible maintenance flow of ink (through the right-side maintenance tube) during medium cleaning cycles.

PROCESS



Suction Cap Cleaning

Review the video on epson.com/support/f2000 for detailed instructions on proper cap maintenance. Be prepared with the required items below to perform the suction cap cleaning in a timely fashion, since the printhead is exposed during this process. Use only the recommended materials and tools. The suction cap (unlike the user-replaceable anti-drying cap) is a permanent part of the printer and sharp objects or harsh cleaning fluids could damage it.



Nozzle Check and Cleanings

If the printer is idle, it's recommended to perform a nozzle check at least once per week. Clean the printhead until a good nozzle check pattern is obtained (see daily procedure).

REQUIRED ITEMS



Item # C13T736200: Printer Maintenance Kit, includes plastic gloves, cleaning liquid, plastic cup, small-tip swabs and medium-tip swabs

Included with the printer: Plastic tweezers

Commercially available: Gum go-between cleaners, tight eight-count from Sunstar Americas, Inc.



Ink used for proper printer maintenance



Labor



Items needed

MONTHLY

~40
Minutes

WHY

Every 30 days, the printer's control panel will prompt for the White Ink Tube Wash maintenance. Regardless of print volume, the following fluids are consumed on a monthly basis in order to maintain the reliability of the White ink channels.

Fluid Type	Approximate Amount Used
White Ink	~300 ml
Cleaning Fluid	~360 ml

"Approximate Amount Used" is an estimate of the fluid necessary to perform the White Ink Tube Wash. Actual fluid consumption will vary and the specification is subject to change. Please see your dealer or visit epson.com/support/f2000 for the latest information.

PROCESS



White Ink Tube Wash

Before starting the tube wash, clean the suction cap (see weekly maintenance) to ensure the process runs at maximum effectiveness. At 14 minutes into the 40-minute tube wash process, the printer will prompt to reinstall the White ink cartridges. As an alternative to the White Ink Tube Wash use the Replace White Ink selection from the Maintenance Menu. This leaves the printer in an operational CMYK printing state for light garments. Use Replace White Ink again to reverse cleaning to White ink when printing with White ink is required. New cleaning and White ink cartridges may be required to initiate or complete the process. The original ink cartridges can be reinserted following the tube wash or ink change and used normally.



Check for New Firmware and Software

Visit epson.com/support/f2000 monthly. If available, download and upgrade the printer's firmware and Garment Creator software. It is always best to be on the latest versions of both software and firmware as a matched set.

REQUIRED ITEMS



Item # T736000: 700 ml Cleaning Cartridges (two required)

Item # T725A00: 600 ml White Ink Cartridges (two required)

LFP Remote Panel 2 utility application to update the printer firmware



Ink used for proper printer maintenance



Labor



Items needed

AS NEEDED

5-10
Minutes

WHY

As-needed maintenance procedures are based on actual usage (garment print volume) and can be required in less than a week for extreme three-shift production, or every few months if usage is intermittent.

PROCESS



Replace Printhead Maintenance Kit

When prompted, replace all three components at the same time. When the end of the wiper component is reached, the printer will stop until replaced. It is highly recommended to have a spare kit on-hand at all times to prevent downtime.



Clean Around the Printhead

Fabric fibers and ink can build up on the edges of the printhead. If left unattended over a long period of time it can impact the effectiveness of the anti-drying cap (more nozzle loss) and lead to ink droplets and smudges on garments. Use only the cleaning materials supplied with the Printer Maintenance Kit and avoid any contact with the actual surface of the printhead.



Clean Carriage Scale

The DTG printing process generates ink mist that will coat the surface of carriage scale and ink mist air filter. Wipe the carriage scale and replace the air filter when a Replace Air Filter message is displayed on the control panel or D197 errors begin to occur on a frequent basis. Only clean the carriage scale with the printer's cleaning liquid and the lint-free wipe included in the Air Filter Kit.



Empty or Replace the Maintenance Ink Tank

The printer's LCD panel will prompt you when to replace and it's a good idea to do a visual check periodically. Dispose of the maintenance ink according to your local laws and regulations.

REQUIRED ITEMS



Item # C13S092001: Printhead Maintenance Kit, also called the Head Cleaning Set includes: wiper unit, anti-drying cap and flushing pad

Item # C13T736200: Printer Maintenance Kit, includes: plastic gloves, cleaning liquid, plastic cup, small-tip swabs and medium-tip swabs

Item # C13S092021: Replacement air filter, includes air filter and lint-free wipe

Item # T724000: Replacement maintenance ink bottle



Ink used for proper printer maintenance



Labor



Items needed

LONG-TERM STORAGE

45
Minutes

WHY

If the SureColor F2000 is expected to be idle for a month or more without any print or maintenance activity, it is recommended that the printer be placed in Storage Mode. This mode replaces all ink in the printer with cleaning fluid and allows the printer to be stored in a state offering improved protection to the printhead until future use is planned.

PROCESS



Long Term Storage

Before starting the Storage Mode process, clean the cap and ensure the maintenance ink tank has ample space available. From the printer's Maintenance Menu select Storage Mode, and follow the prompts.

REQUIRED ITEMS



Item # T736000: 700 ml Cleaning Cartridges, (six required)

Set of Ink Cartridges: required when exiting Storage Mode



Ink used for proper printer maintenance



Labor



Items needed