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Maintenance Schedule | SureColor® F2100 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
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

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DAILY

(when in operation)

5
Minutes

WHY

UltraChrome® DG White ink pigment particles will settle (out of the solution) to the bottom of the ink cartridges and along the 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 30 minutes, ink that is in the printer's tubing will be circulated. This circulation process starts automatically, takes approximately 15 seconds, and consumes no ink.



Print a Nozzle Check and Repeat Selective Cleanings, as Required

Set a medium or large platen to height "P." If using a platen with the grip pad installed, place a sheet of colored paper or clear film on the center of the platen, and then print a nozzle check. Review the nozzle pattern for missing or deflected segments and run selective light cleanings, as required.



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

Start each morning with a selective light cleaning on the White ink channels as needed. If the printer's 6-hour timer cleaning status displays little remaining time, use medium cleaning cycles on both White channels or preventative cleaning to reset the timer cleaning. Also see Suction Cap Cleaning in weekly maintenance.

REQUIRED ITEMS



A dry wipe to clean the platen and remove the printed nozzle pattern, or a sheet of colored paper/clear film.



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/f2100 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 8-count from Sunstar Americas, Inc.



Ink used for proper printer maintenance



Labor



Items needed

MONTHLY

5
Minutes

WHY

UltraChrome® DG color ink pigment particles will slowly settle (out of the solution) to the bottom of the ink cartridges over extended lengths of time. The recommended monthly maintenance will resuspend the ink particles, to help ensure consistent print quality.

PROCESS



Shake Ink Cartridges

Once a month, remove and shake the color ink cartridges vigorously for a total of 15 seconds. Shake for 8, flip over and shake to 15 total. Re-insert the ink cartridges when finished.



Check for New Firmware and Software

Visit epson.com/support/f2100 monthly. If available, download and upgrade the printer's firmware and Garment Creator software. It is always best to be using the latest versions of both firmware and software as a matched set.

REQUIRED ITEMS



None



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 3-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 the 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 the tank 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 F2100 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