



Cap Top Replacement

A Step By Step Guide for SP model devices

Cap Top Replacement – A Step By Step Guide

Suggested Replacement Every 6 Months

The Cap Top performs an essential function for the Roland printer models. The Cap Top forms a seal on the print head and connects to the pump. This performs two functions:

1. The seal allows the pump to secure the correct amount of ink from the cartridges into the print heads.
2. The seal protects the print heads when not in use from drying out due to air exposure.

Symptoms indicating the Cap Tops may need to be cleaned

1. Test Prints have inconsistent nozzle patterns
2. Colors mixing in the print head.
3. Foam inside the Cap Top appears swollen.

Replacing the Cap Tops

Before starting the process you will need a Phillips #2 magnetic tip screwdriver, paper towels and two replacement cap top



1. Turn ON sub power by pressing down on the Cleaning and Power button simultaneously.



4. Following the prompt on the LCD Panel, remove the maintenance cover by removing the 3 thumbscrews holding it into place.



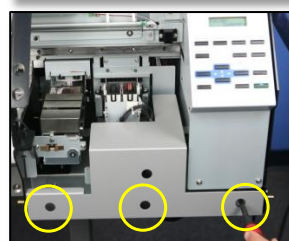
2. Use arrow keys to choose Cleaning function. Press ENTER.



5. Turn printer off by pressing the Power button.



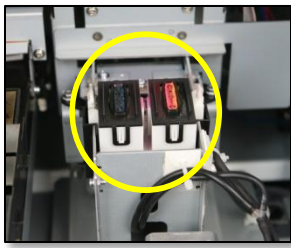
3. Following the prompt on the LCD Panel, open the front cover by removing the 2 thumbscrews on top.



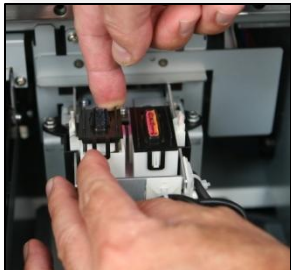
6. Remove the Pump Cover by removing the 3 screws holding it in place.

Note- A magnetic screwdriver is recommended for this step.

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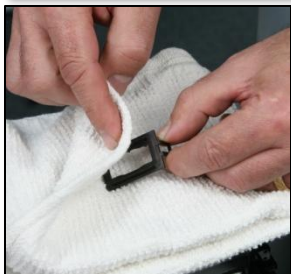


7. Identify the cap cover being replaced.



8. Remove the cap top cover by unclipping the cover latch.

Note: The cap cover is spring loaded, slowly lift on the front end while holding the back of the cover.



9. Clean the cap top cover with a paper towel if necessary and set aside.



10. Follow the ink line for the cap top you're replacing to the Y adaptor.

Caution: Be sure to pull the Cap Top straight up as to not disturb the springs.



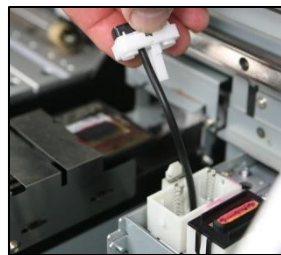
11. Pull gently to disconnect the ink line from the Y adaptor.

Caution: There may be excess ink in the line. It is recommended to have a paper towel to catch the excess ink.



12. Remove the cap top and ink line by pulling the cap top upwards and set aside.

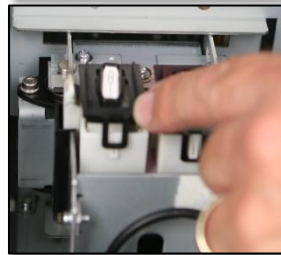
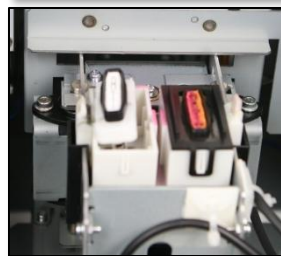
Caution: The cap top is spring loaded. Be sure not to lose the two springs located below the cap top.



13. Take the new cap top and feed its ink line through the hole in the cap station assembly.

Note: Notice the orientation of the cap top. The hole in the cap top should be positioned at the rear of the assembly. Look at the existing cap tops for reference if needed.

Also: Be sure that the cap top is situated on the springs correctly.



14. Place back into position the cap top cover by attaching it at an angle rear first and then front and snapping it into place.

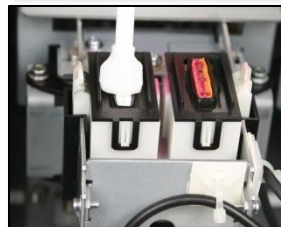


Hint: Use one hand to hold the rear of the cap top cover while the other hand snaps it into place in the front.



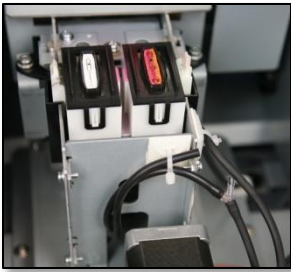
15. Test the placement of the cap top on the springs by gently pushing downwards with a swab soaked with cleaning solution.

Note: If the cap top is catching and does not feel spring loaded then it is not properly placed on the springs. Use the swab to maneuver it into place.



16. To ensure proper suction from the head during operation clean the cap top with a swab soaked in cleaning solution.

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17. Connect the ink line to the Y adaptor.



18. Place the pump cover back into position with the 3 screws previously set aside.



19. Move the carriage towards cutting bed so that it is completely free of the space directly above the maintenance cover.



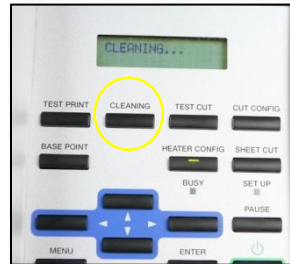
20. Replace the maintenance cover.



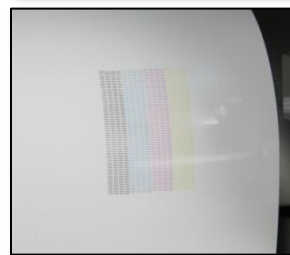
21. Replace the Right Hand Cover.



22. Turn on Main Power and then turn on Sub Power.



23. Perform a cleaning by pressing the Cleaning key.



24. Check output by performing a Test Print

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