



# Cap Top Replacement

A Step By Step Guide For XC, XJ & LEC Models

## 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. 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 six replacement cap tops. Begin the process with the machine powered on.



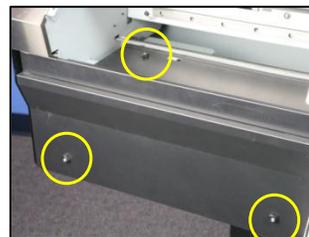
1. Start by pressing the **MENU** key.
2. Scroll to **SUB MENU** and press the right arrow.



3. Scroll to **MAINTENANCE** and press the right arrow.



4. Scroll to **CLEANING** and press **ENTER**.



5. Follow prompt to remove **Maintenance Cover** and press **ENTER** when complete.



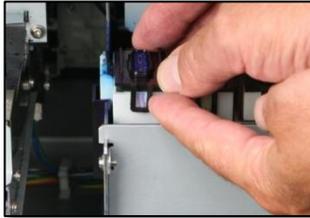
6. The head carriage will move down to the far end of the machine on its own at this point and will be out of the way.

**Note: It is important not to have this process last longer than 30 minutes to keep the heads from drying out.**

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7. Remove the **Pump Cover** below the **Cap Station** (3 screws) and set aside.

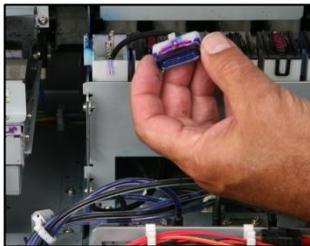


8. Gently lift the small black tab at the front of the **Cap Frame Cover** to release it from the **Cap Assembly**.

**Note: The Cap Frame Cover is spring loaded. Apply pressure in the back of the Cap Assembly while lifting the front of the Cap Frame Cover.**

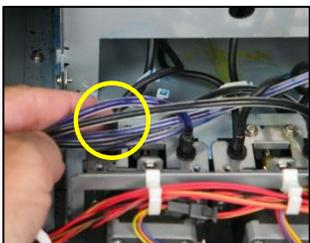


9. Clean the **Cap Frame Cover** with a paper towel or cleaning solution if needed.



10. Find the **Cap Top Tube** under the **Cap Assembly** that corresponds to the **Cap** you are replacing.

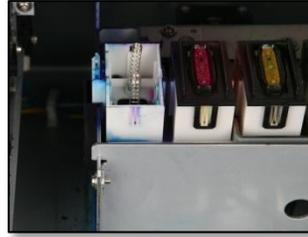
**Note: Lifting up on the Cap Top will move the ink line below making it easier to find the correct line.**



11. Follow the **Cap Top Tube** down to the **Pump**. Carefully disconnect it from the **Pump**.

**Note: Use paper towels to catch any ink that may still be**

**in the ink lines.**



12. Pull the **Cap Top** and its ink line up and out of the **Cap Station Assembly**.

**Note: There are two springs that support the cap top while it is installed. Care must be taken when removing the cap top in order to prevent the springs from falling under the assembly.**

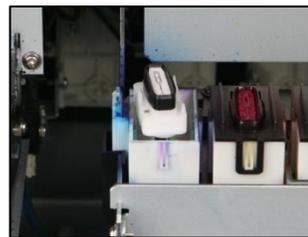


13. Note carefully the orientation of the **Cap Top**, the hole in **Cap Top** positioned to rear of assembly.

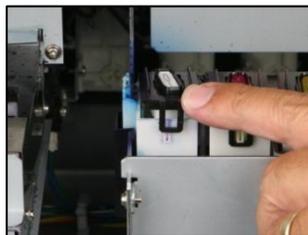


14. Carefully feed the new **Cap Top** into the hole inside the **Cap Station Assembly** and direct the **Cap Top Tube** down so it can be pulled

out of the assembly at the bottom.

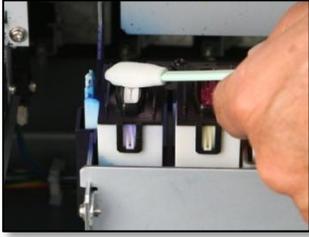


15. Make sure the springs are positioned properly in the **Cap Assembly** and the **Cap Top** is placed properly on top of both springs.

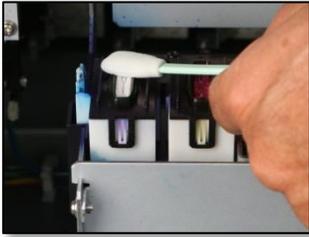


16. When the **Cap Top** is resting on the **Springs**, gently reinstall the **Cap Frame Cover** by attaching it at an angle (back first) and snapping it

into place.



should be positioned evenly and level inside the **Cap Assembly**.



18. Once positioned properly, use the swab to coat the **Cap Top** with cleaning solution. This will ensure proper suction from head during operation.



19. Connect the **Ink Tube** from the new **Cap Top** to the **Y Adaptor**.



20. Replace the **Pump Cover** using the 3 screws you saved when removing the cover.



21. Press **ENTER** to end the **MAINTENANCE CLEANING** procedure.



22. Follow the prompt on the **LCD Panel** to replace the **IS Cover**.



23. Follow the prompt on the **LCD Panel** and **Close** the **Cover**.

24. Perform a Test Print ensure correct output. Perform Cleanings if necessary.

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