DTF L1800 User Manual

Troubleshoot

https://bit.ly/4dLq

Pro RIP

https://bit.ly/3V47Tas

Updated 17th, May 2024 V1.1

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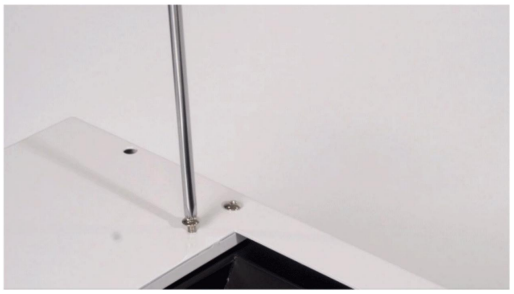
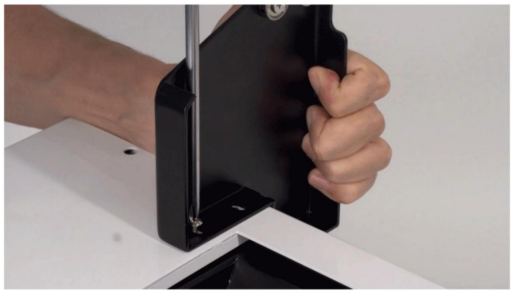
1. Printer Assembling

Step 1. Find the installation position of roller bracket on the printer.

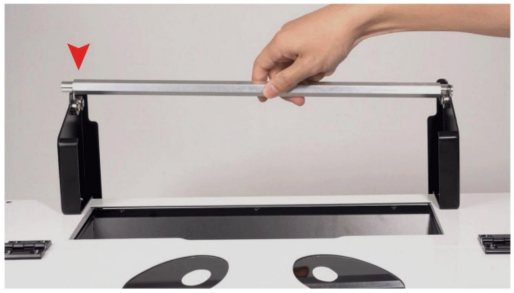


Step 2. There are two screws on each side. Remove the screws.

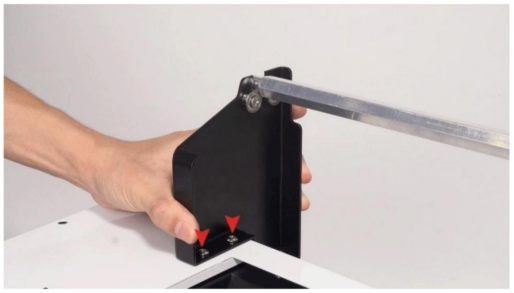


Step 3. Put the bracket on and pay attention to its facing direction. Turn the screws but do not tighten it fully.

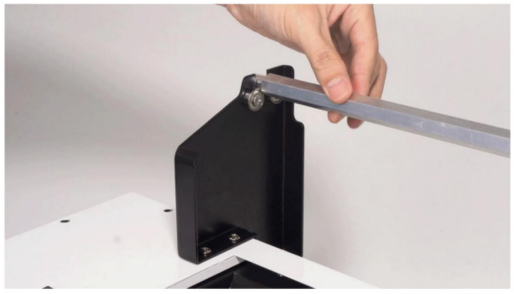
Step 4. The finished brackets direction should be of like this.



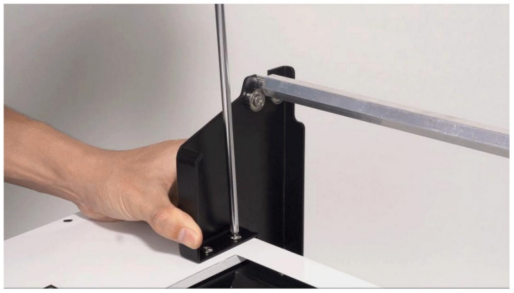
Step 5. Put the roller bar onto the brackets.



Step 6. Adjust the bracket position to ensure the distance between them can perfectly fit both sides of the roller.



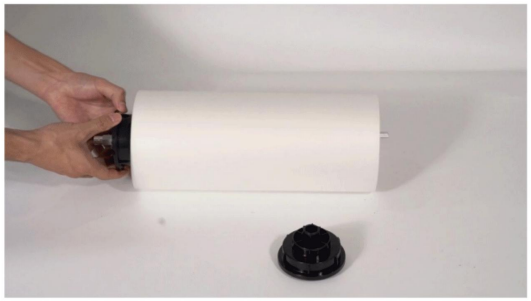
Step 7. Rotate the roller to check if the bracket distance is appropriate and safe.



Step 8. Once the bracket position is confirmed, tighten the screws fully this time.

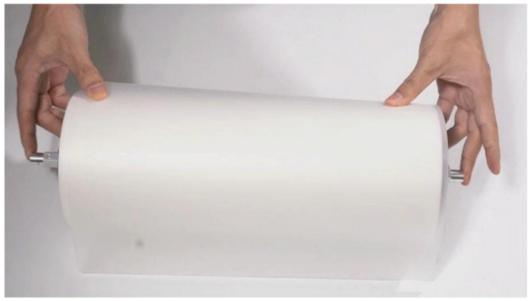
Step 9. The perfect bracket position should be like this.

Step 10. Fetch the roller down and slide the plastic holder onto it.



Step 11. Insert the roller and plastic holder onto the film roll.

Step 12. Finish the inserting on the other side.

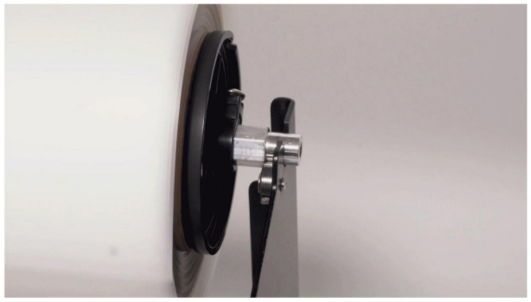


Step 13. Adjust the position of the roller to make it fit both plastic holders perfectly.

Step 14. Once the position is confirmed, secure the screws on the plastic holder.

Step 15. Make sure screws on both sides are tightened.

Step 16. Put the film roll onto the bracket.
（The printable side with coating facing up）

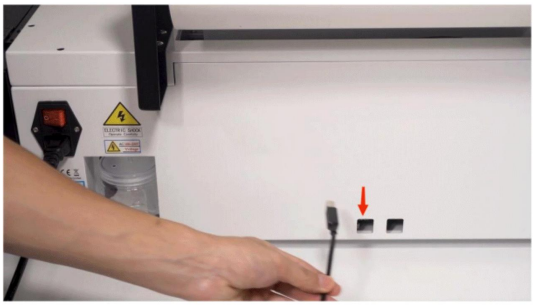


Step 17. Ensure the film roll can rotate smoothly on the brackets.

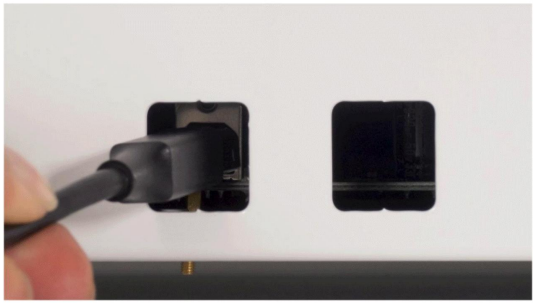
Step 18. Hook the cutter platform at the film exit.

Step 19. Assembling done! Now your machine should be like this.

Step 20. Insert the power cable onto printer on its back.



Step 21. On the central back, find the two ports here.



Step 22. Insert the data cable into the left port.

Step 23. Power on. [the button situation in this picture means "on"]

Step 24. Press the power button. [the left first button]

Step 25. The machine is ready when the blue light changes from flashing to always on.

Step 26. Put the film into the film feed under the pickup rollers.

Step 27. Make sure the film goes straight.

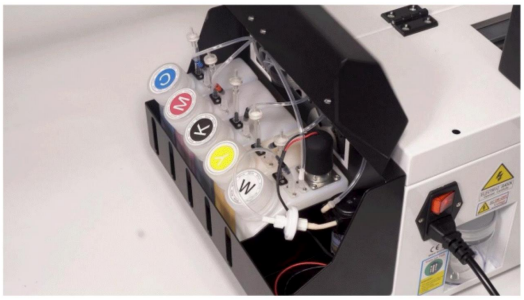
Step 28. Press the forward button to load the printer film.

Step 29. The forward button position is as picture shows.

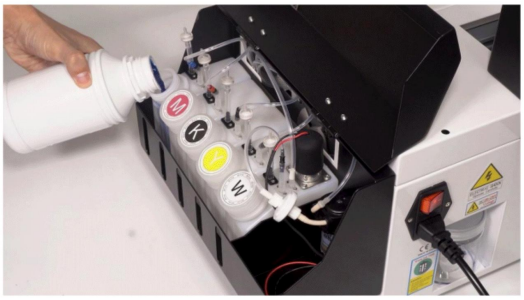
Step 30. Before adding inks, give them a good shake.

Step 31. Cut off the Aluminum foil seal of the ink bottle.

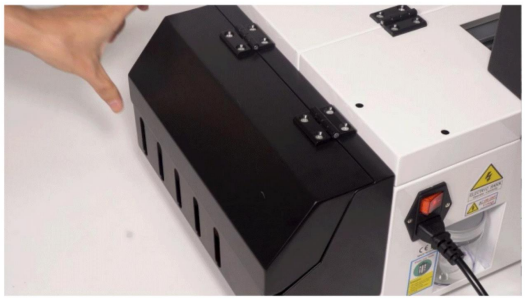
Step 32. Get all the foil off will make our ink-adding work easier.



Step 33. Recognize the colors. C refers to cyan ink, M refers to magenta ink, Y refers to yellow ink, K refers to black ink and W refers to white ink



Step 34. Add corresponding inks into these containers.

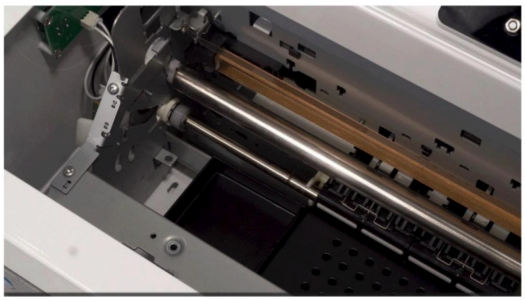


Step 35. Close the cover when all the adding is done.

Step 36. Find the front cover of the printer.

Step 37. Lift the front cover.

Step 38. Put the ink pad tray in.



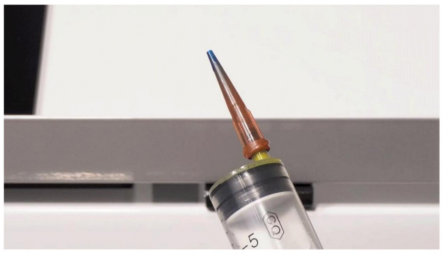
Step 39. The tray position should be as picture shows.

Step 40. Put the ink pad in. This ink pad is to collect ink residue dropping from print heads.

Step 41. Take off only one cartridge at a time.

Step 42. Turn it upward to extract 5 to 10ml of ink until there is no much air in the cartridge.

Step 43. Put the cartridge back in place after extracting.



Step 44. Remember to change the needle hub for each ink to avoid color mixing.

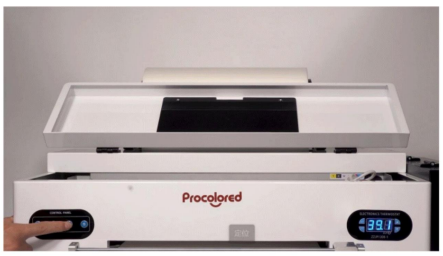
Step 45. Finish the extracting work from other ink cartridges.

Step 46. Take out the waste ink bottle at the back of the printer.

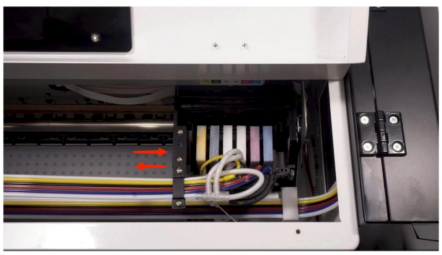
Step 47. Extract 5 to 10 milliliters of ink out of the waste ink tube.

Step 48. After extracting, put the ink tube back.

Step 49. And put the waste ink bottle back too.



Step 50. Long press the ink button to execute print head cleaning. [the left third button]

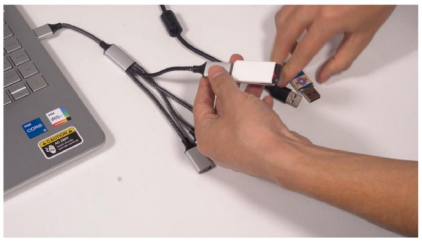


Step 51. The print head will move back and forth automatically to finish the cleaning which takes about 2 minutes.

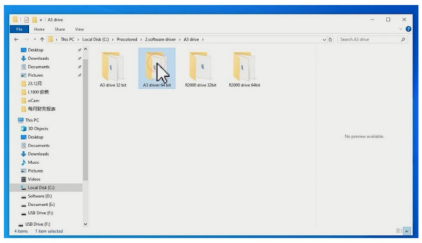
Step 52. Wait until the power light turns steady.

2. Printer Driver & RIP Software

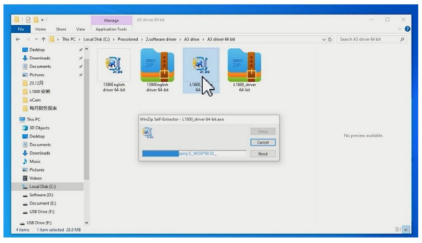
Step 1. Procolored printer can only connect with Windows computer; and we highly recommend you to get a USB hub to simultaneously function different drivers.



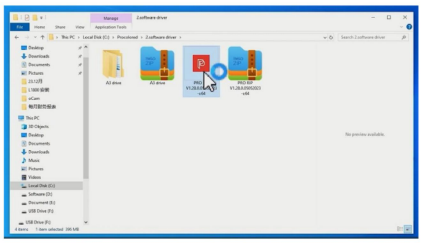
Step 2. Plug the driver, dongle and data cable that Procolored provides into the USB hub.



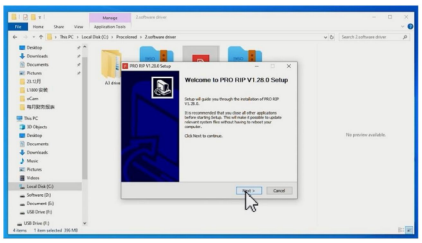
Step 3. Choose the one that fits your computer system type, here we start installing the printer driver.



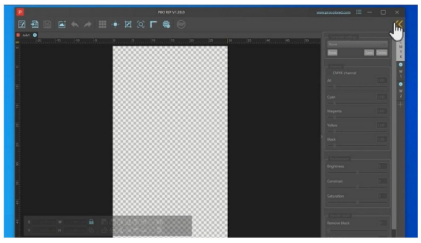
Step 4. And then choose your print head type [L1800 here]



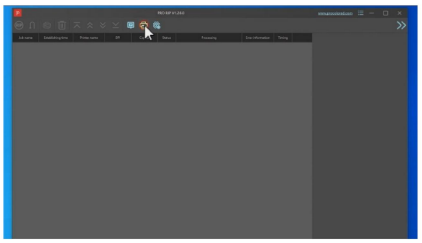
Step 5. Now we turn back to *2.software driver* folder and choose the red icon to set up RIP software.



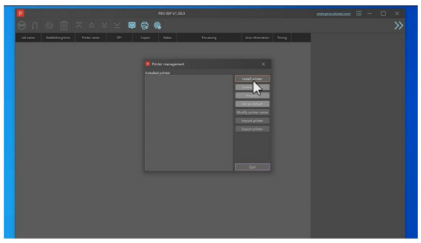
Step 6. Click Next.



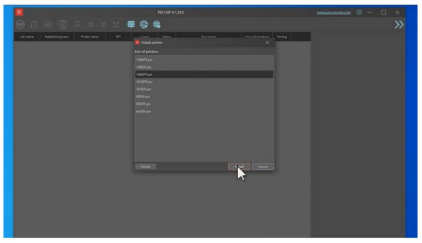
Step 7. Choose the left arrow button to go into the print management center.



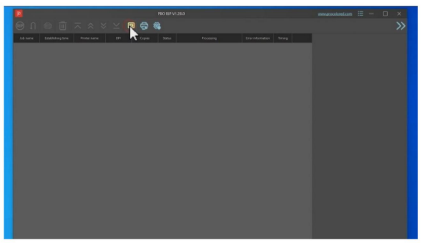
Step 8. Choose the printer button.



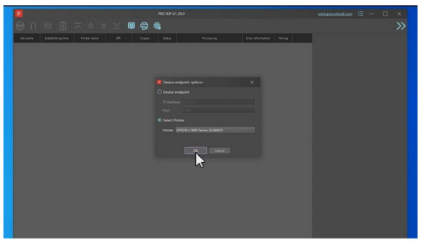
Step 9. Click install printer.



Step 10. Choose your print head type [L1800 here] to install the corresponding printer curve.

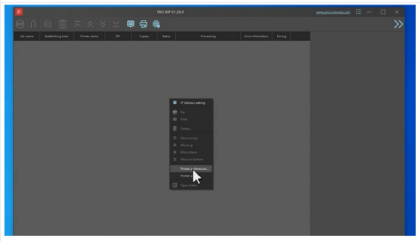


Step 11. Choose the double square button to enter *device endpoint options*.

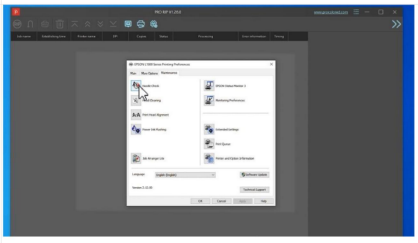


Step 12. Select your printer [Epson L1800 here] and click OK.

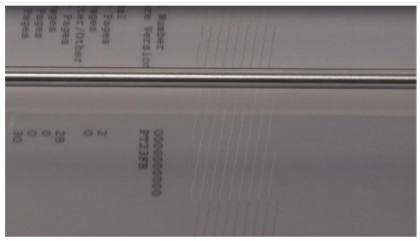
3. Testing Page & Printing



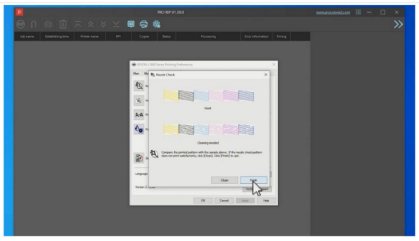
Step 1. Right click the blank place and go into the *printer preferences*.



Step 2. Enter *Maintenance* and click *Nozzle Check*.

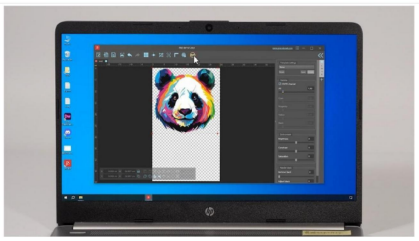


Step 3. Continuous lines means the nozzle is doing great!



Step 4. You can combine the guidance window on computer to double check the nozzle condition. If there are too many broken lines, clean the print-head again.

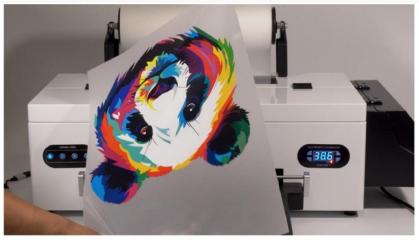
Step 5. Upload your image to the RIP software



Step 6. Resize the picture and make it within the canvas, click RIP button to transfer the image to the printer.

Step 7. When the printing is done, press forward button to load more film.

Step 8. Slide the cutter to separate the film and get your printing.



Step 9. Your first printing is done! Remember not to touch the printing since it's not cured and is still liquid yet.

4. Powdering & Curing

Step 1. Printing face down, spread the powder on the back of the printing film. Make sure the powder is spread evenly.

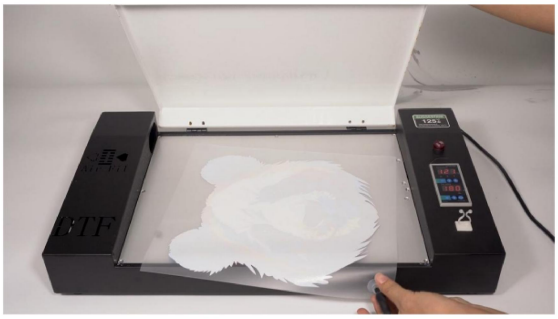
Step 2. Before curing, don't forget to shake the film slightly to remove the spare powder.

Step 3. Powder curing will be done by an oven like this. Set the temperature at 125 degrees Celsius and the countdown timer to 180 seconds. The curing time is flexible, if the print is too wet, it need longer time to dry up entirely.

Step 4. Printing film face down, gently put the film on the oven pad.

Step 5. Press start and wait for the curing. In the oven, adhesive powder is melting down, inks are curing/drying up and embedding onto the adhesive layer.

Step 6. When the curing is over, press the button again to stop curing.



Step 7. We highly recommend to use a suction cup to fetch the cured printing film, since the oven pad and film might be really hot.

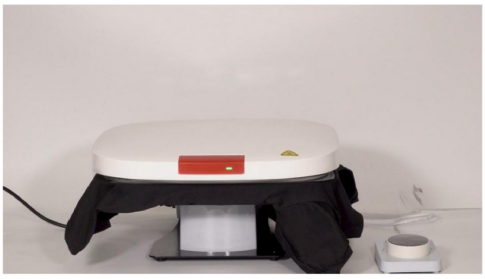
5. Heat Pressing

Step 1. Before heat pressing, we need a preheating for the clothes. Put the clothes flat on the pressing pad.

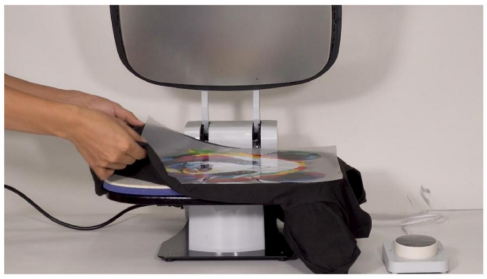
Step 2. Set the temperature of heat press at 135-145 degrees Celsius and timer to 10-15 seconds. This will help get rid of the wrinkles on the T-shirt and iron it flat, so that the pattern on the clothes doesn't absorb uneven pressure.

Step 3. Set the temperature of heat press at 135 degrees Celsius and timer to 30 seconds. Put the DTF print onto the T-shirt and start heat transfer. This time, printing face is up.

Step 4. Make sure the printing film is already on your ideal printing position.



Step 5. Start the pressing and wait.



Step 6. When the pressing is over, gently get the clothes off. DO NOT peel off the film right away.

Step 7. Put the clothes on a flat platform, wait for it to cool down.

Step 8. And now you can peel off the film! Make sure to do the peeling gently and slowly.

Step 9. Perfect printing! You've finished all the tutorial courses. Welcome to your DTF printing age!

6. Daily Operation

Opening Procedures and Printing Steps:

1] Turn on the power switch at the back of the machine

2] Click the start button on the front of the machine, wait for it to flash for a few seconds to complete the startup process, the constant light represents the startup is complete, you can start printing

3] Click the arrow on the left side of the machine to load the print film

4] Perform a print head clean and nozzle check task in the software

5] Detect the result of print test, line drawings neatly without line breaks and no string of colors for the standard good state.

6] Send the design to the rip software and start printing your pattern

Closing Procedures and Maintenance Steps:

1] Make sure all print jobs have been completed or deleted.

2] Clean ink spills around the print head and at the capping station, and clean the encoder strip.

3] Ensure that the print head and capping station are properly sealed.

4] Click the Start button to turn off the printer.

5] Switch off the power button on the back to turn off the power.

Environmental requirements for daily use:

1] Keep the temperature above 22℃ [71 °F], the temperature is too low will affect the activity and fluidity of the ink

2] Keep the humidity above 50%, dry environment will accelerate the ink solvent evaporation, more likely to lead to clogging

3] Oven baking will produce odor, it is recommended that it is placed in a ventilated location to reduce odor

4] machine and ink can not be direct sunlight, otherwise it may cause ink deterioration

7.Maintenance Plan

	Daily Beginning of the Day	Daily End of the Day	Weekly	As Needed
Shake White Bottles	1			
Nozzle Check	1			
Head Cleaning	1			
Fill Ink				1
Clean Around Head		1		
Clean Wiper Blades		1		
Clean Capping Station Top		1		
Flush Capping Station Top		1		
Empty Waste Tank			1	
Clean Pinch Roller			1	Every New film
Clean Encoder Strip			1	
Grease Carriage Rail				1
Rinse Ink Container				1
Clean Encoder disk				1

Maintenance Schedule

1. Shake White Ink Bottle: To prevent white ink from settling, please shake the white ink bottle every day.

2. Nozzle Test (Check): Perform a nozzle test before sending a print ob to ensure that you get good quality prints every time. Poor nozzles result in banding or over spray in the prints. Continue Printing if you can get 90% of the channels nozzles.

3. Head Cleaning: Perform this task when you are getting less than 90% of the channels nozzles. Perform Head cleaning is crucial to drain the capping station top and wipe the print head surface for nozzle test and or printing. After the head cleaning is done,perform a nozzle check to see if you can get 90% of the channels nozzles.

4. Power ink flush: Perform this when you notice any big missing nozzles or more than 50% of channels are missing, use a syringe to draw 5 ml of ink from the ink sac and 10-20 ml of ink from the waste ink tube, and then perform a Power Ink Flush task.

5. Clean Around the Head: It's important to clean around the head for any build-up inks at the end of every day. Build-up inks can get on to the print head from the wiper and can potentially damage the print head. **DO NOT USE ALCOHOL.**

6. Clean Wiper Blade: Same as cleaning around the head, making sure the wiper blade is cleaned. It is very important to obtain a good nozzle check. Any residue buildup can damage the print head and your head cleaning may not be effective. **DO NOT USE ALCOHOL.**

7. Clean Capping Station Cap Top: Keeping the capping station cap tops clean is one of the most important tasks.Your head cleaning may not be effective.Your printer may not draw out the proper amount of ink if there are a lot of build-up inks. **DO NOT USE ALCOHOL.**

8. Flush Capping Station Cap with Cleaning Solution: Fill cleaning solution on the cap after the end of the day maintenance and press the clean button to flush out the cap immediately.This will ensure the print head is sitting on the cap. **DO NOT USE ALCOHOL.**

9. Regularly check whether the ink sac is broken or leakage of ink occurs, if so, please replace the ink sac in a timely manner to avoid ink leakage to the print head, causing the print head to burn out.

10. Empty Waste Tank: Regularly check the waste ink bottle. Waste ink will overflow resulting in a dirty work surface, Please ensure that the waste ink lines are not touching the waste ink.It may cause negative pressure, which can cause the waste ink to reverse the ink discharge resulting in the print head, circuit board into the ink, damage to the print head, the motherboard and other components.

11. Clean Pinch Rollers: Clean pinch rollers ensure that you have a consistent pull on the film.Film residues can make the roller miss the turns which can cause misalignment on the White and CMYK heads.Use a dry microfiber cloth or lint-free wipe to clean the rollers. Weekly-clean one side, As you replace the film to new, clean 360 degrees.

12. Clean Encoder Strip: The encoder strip can be cleaned with isopropyl alcohol, simply wipe both sides/check for any dents or ink splash.

13. Grease Carriage Rail: If you hear squeaky noise,it's time to grease the rails.Use heat-resistant gel/paste-based grease. **DO NOT USE A SPRAYER.**

14. Rinse the Ink Containers: Ink can settle inside the container, please contact with Procolored tech staff before performing this task.

8. Tech Support Contact Info

US support contact information:

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9.Notice and Tips

1. Do not move or touch the film when the printer is in operation. This can cause a head strike.
2. Please never leave any liquid on top of the printer cover. A small spill can damage the printer.
3. Do not expose the ink, film, and powder under direct sunlight, or a humid area. Avoid high humidity, high temperature, and direct sunlight. These will deteriorate the quality of the film, powder, and ink and may cause an issue. Use silica packs, and keep the consumables in containers with a lid.
4. Make sure you park the print head carriage to the capping station (back to home position) at the end of the day, leaving it not sitting properly on the cap can dry up the head and clog the system easily. If you are not sure whether the print head is in position, perform a head cleaning (from the printer) to move the print head back to the correct position
5. Make sure the film is horizontal and centered on the printing platform. Otherwise the film creases causing a head strike and damage the printer.
6. Try to use the printer at least every 3 - 4 days. Use the moisturizer to protect the print head when not in use on holidays.
7. Not using the printer for more than 2 weeks can cause the water-based ink to dry up which clogs the head. If there are no print jobs available, please at least print a test strip to create a print job. Daily maintenance is still recommended.
8. Use the correct consumables. Not using proper consumables or using other branded films, ink, powder, cleaning solution, swab, etc can damage the printer. Mixing of different brands of consumables, such as ink mixing, may cause blockage of the print head.
9. Refill the ink in a timely manner and do not let the ink level drop below one-third. Before adding new ink to the machine, be sure to shake the ink bottle several times to stop the ink from settling before adding. Seal the remaining ink properly and store it in a well-ventilated environment protected from light.
10. Use Procolored original print heads. Other low-cost, substandard print heads are usually refurbished through an aggressive cleaning process and have a short life span and the potential to damage the printer's motherboard.

11. Do not use a syringe to manually flush the print head. If the liquid comes into contact with the print head cable, it may damage the print head and the motherboard.

12. Printer out of service for more than half an hour, perform a print head cleaning task, and then continue to print, to avoid the situation of broken ink.

13. Do not use oversized syringes for ink extraction, as oversized syringes can cause damage to the print head due to excessive suction.

14. Do not manually inject cleaning solution from the nozzle position of the print head with a syringe, as this operation may easily cause damage to the print head and the motherboard.

15. Do not modify the machine yourself. Modification of the machine automatically voids the Procolored warranty and the machine is no longer warranted any more.

16. Please follow the maintenance schedule. Not following the maintenance can cause head clogs or serious printer damage.

10.Warranty Policy

Section One - Warranty Policy

1. Warranty Duration

For components not directly contact with ink, a warranty period of 12 months since printer purchase date is provided, unless damage is user-induced. Register warranty on our website to get warranty on some types of print head limited to one replacement.

2. Warranty Coverage

2.1 Main board

a. Main board for dual-head printer is not covered by warranty. Customers may send them in for repairs at their own expense.

b. Main board for single-head printer is covered by a 6-month warranty period since printer purchase. Within this warranty period, you are eligible for one replacement.

2.2 Print Head and Related Components

No warranty is provided for print heads or components that may be damaged due to contact with ink. However, after warranty registration, the following print heads are covered by a 6-month warranty period since printer purchase, limited to one replacement: [L1800, R1390, L800, L805, TX800, XP600].

2.3 Warranty for Other Accessories

Other accessories are covered by a 12-month warranty period since printer purchase.

2.4 Disclaimer

a. The warranty for the ink-contact components requires the printer exclusively use Procolored inks. Warranty coverage does not include the print head blockage resulting from the use of inks from other brands.

b. The damage must not be caused by user negligence or misuse.

c. The damage must be confirmed by our customer service team or engineers as

non-user-induced.

3. Warranty Costs

3.1 If the component within warranty period is damaged within one month of printer receiving, we will bear the cost of component and covering the shipping fees.

3.2 For damage reported after one month of printer receipt, we will cover the cost of component but will not cover the shipping fees.

Section Two - Return Policy

If the printer is received within one week and no ink is added, it can be shipped back in its original packaging, and returns and exchanges are accepted. If any ink has been added into the printer, we can not process returns or exchanges.

Please note that this warranty policy is subject to change, and any modifications will be posted on our Procolored website[https://www.procolored.com/pages/warranty-policy]. For any warranty claims or inquiries, please contact our customer service team.