

# Maintenance

Cleaning Information 4-2  
Lubrication Information 4-4  
Cleaning the Printer due to Aerosol 4-5

## Maintenance

### Cleaning Information

#### IMPORTANT

**Do NOT clean the following:**

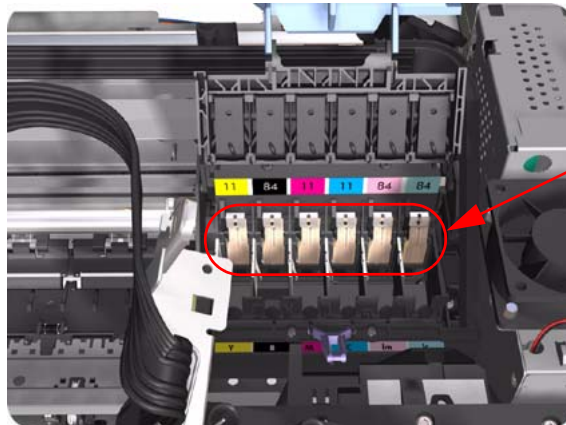
Pinch Rollers, Drive Belt, Service Station (unless otherwise noted), Main PCA and other Electronic components such as Cables and Motors.

**Case Parts:** Use mild detergents such as PK 200 or Simple Green with water on a clean lint-free cloth. Solvents and water on a clean lint-free cloth can be used to remove stubborn stains on external case parts.



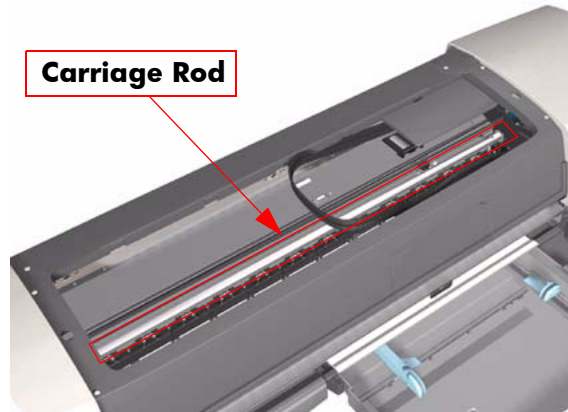
**Paper Dust:** It is recommended that vacuuming be used to remove paper dust from inside the printer. Do NOT use compressed air.

**Carriage Flex-Contacts:** Use water on a clean lint-free cloth.

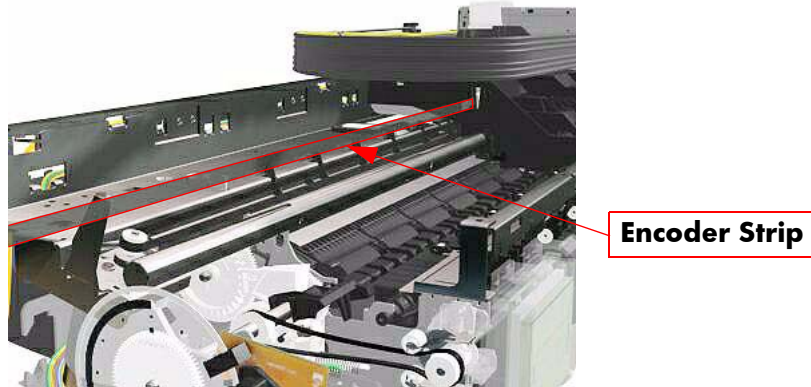


**Flex-Contacts**

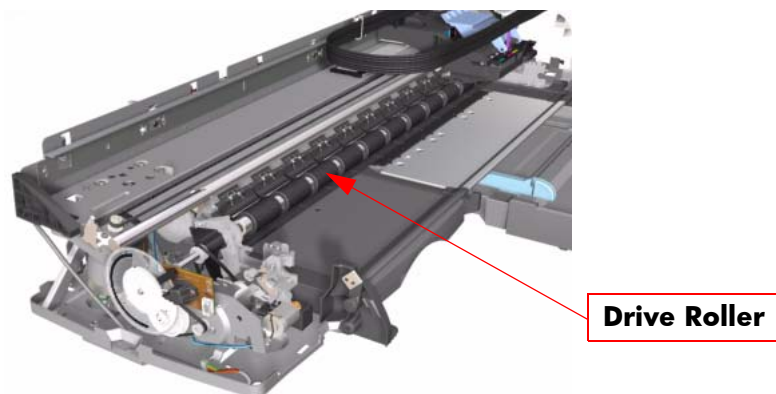
**Carriage Rod:** Cleaning is NOT recommended. If extremely dirty, wipe with a clean lint-free cloth. Do NOT use water or solvents.



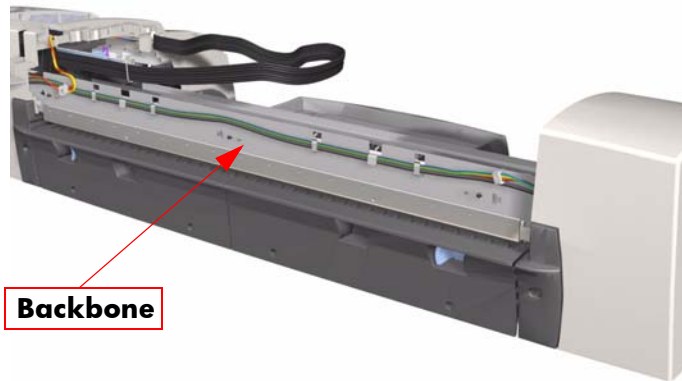
**Encoder Strip:** Wipe from left to right (viewed from front) with a clean lint-free cloth. Do NOT pull hard on the Encoder Strip.



**Drive Roller:** Use water on a clean lint-free cloth. Do Not use solvents.

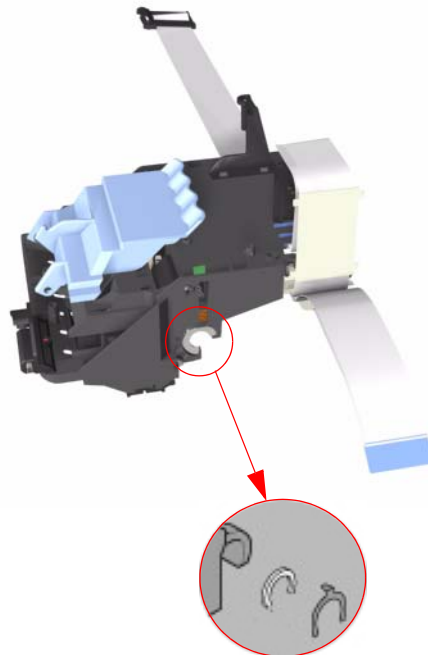


**Backbone:** Use water on a clean lint-free cloth. Dry carefully, parts left damp may rust.



### Lubrication Information

**Lubrication:** Cleaning the Carriage Rod is NOT recommended. If, however, the Carriage was wiped clean, replace the felt washers on the Carriage Assembly. The felt washers are impregnated with oil to provide the necessary lubrication for the Carriage Rod.



## Cleaning the Printer due to Aerosol

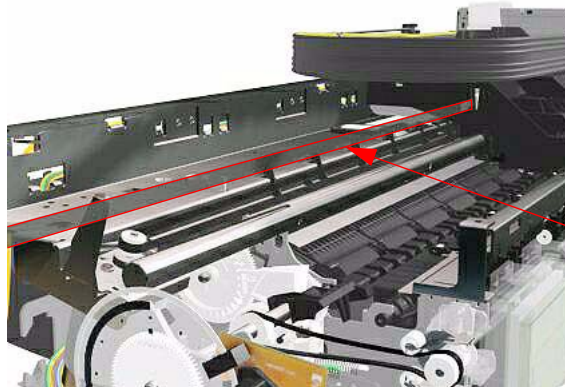
In order to clean the Printer Covers and Carriage Cover, first disconnect the power cable and use a slightly damp soft cloth (preferably a lint-free cloth). Open the Right and Center Covers and clean the ink accumulated on the surfaces. Please be very careful not to insert the cloth inside the Printer in order to prevent any potential damage to delicate parts of the Printer. Also, please be aware that the cloth may still be stained with ink even after washing it.

Most users will **not** need to clean the printer any further internally. There could be some users that may notice some print quality degradation over time due to the increased vibration level inherent to the normal wear in most Printers plus the additional effect of the ink accumulation on the surfaces along which the Carriage slides. This print quality degradation may appear in the plots as slightly lighter and darker bands or lines along the paper advance direction, and may have a squeaking noise associated to Carriage movement. The ink accumulation can be cleaned and so vibration can be reduced. Perform the following cleaning procedure very carefully in order to not damage the Printer and perform **only** in the case that you notice ink accumulation inside the Printer and an unacceptable print quality degradation in the appearance of bands as mentioned above. This cleaning procedure should NOT be done as a frequent cleaning routine.

- 1 With the Printer turned On, open the Printhead Access Cover on the right hand side of the Printer and wait until the Carriage moves itself in the Printhead replacement position (do **not** open the carriage to access the Printheads as this is not necessary). Then unplug the printer without turning it Off. Please note that you **cannot** leave the Carriage out of the Service Station for very long or the Printheads may be damaged.

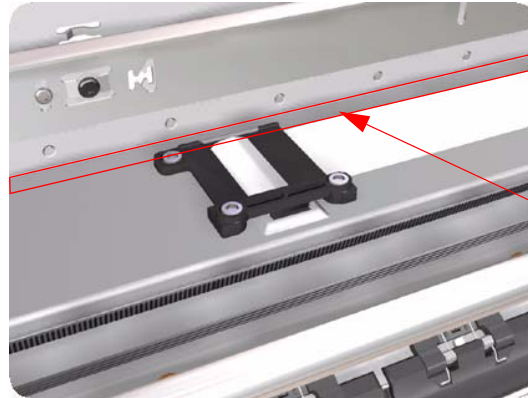
**It is very important that you perform all the cleaning procedure at once and that if for any reason you cannot complete the cleaning procedure, lower the Printer Covers and turn the printer back On (reconnect the power cable first) so that the Carriage moves back in to the Service Station.**

- 2 Open the Center Cover of the Printer and, if necessary, clean the Covers as described above. Please note that the Encoder Strip does **not** require cleaning so be very careful during this cleaning procedure not to pull or damage it since it is a critical part for the normal operation of the Printer.

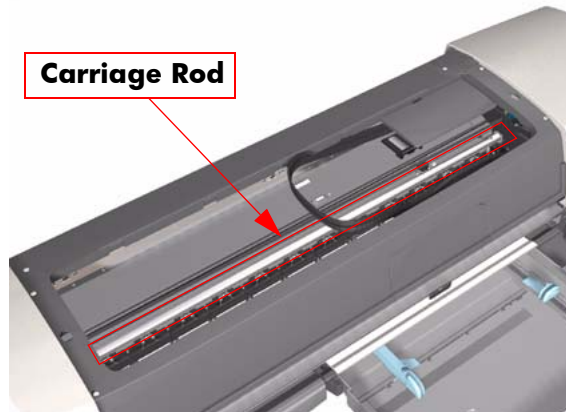


**Do NOT touch or clean the Encoder Strip**

- 3** With a clean lint-free cloth (damp with alcohol or water) proceed to clean the rear plastic strip (wear strip) shown below, removing any dirt stuck on it. Please be careful not to cut yourself with the sheet metal part (rail) above this strip. Move the Carriage manually towards the left hand side to access the right end of the strip in order to clean it.

**Rear Plastic Strip**

- 4** Using a clean part of the same cloth or another cloth partially damp with alcohol or water, clean the Carriage Rod (shown below) being very careful **not** to damage the Encoder Strip.

**Carriage Rod**

- 5** Once you can see that the ink on the Carriage Rod has been removed completely along the complete length (again you will need to carefully move the Carriage manually to access all the areas for cleaning) it is **highly** recommended to apply some sewing machine oil or a similar lubricant over the Carriage Rod for proper lubrication. It is recommend to apply the oil with a cloth on all the accessible surface of the Carriage Rod, being careful not to put oil on the Encoder Strip. If necessary, carefully clean any oil that might have fallen on the Encoder Strip or on any other part of the Printer.
- 6** As soon as you have finished the cleaning procedure. reconnect the Printer and switch it On so that the Carriage moves back in to the Service Station.