Preventive Maintenance

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Preventive Maintenance

Moisture on the Printer

Users should use the Printer in an environment between 20% and 80% relative humidity. To recover from moisture condensation, turn the Printer Off, and, using the main roller as a reference, wait until the Printer is completely dry before using it again.

Noisy Carriage Bushing

To prevent noisy movement of the carriage, remove aluminum or dust particles from the bushing at the back of the carriage, and from the slider path along which the bushing moves.

Belt Swelling

To prevent new belts from swelling incorrectly, keep them in their bags with dissicant until you need to install them.

Cleaning the Printer

To maintain the Printer in good operating condition, keep it free of dust accumulation, ink, and other contamination. Cleaning intervals are determined by the Printer environment and by the types of Printer supplies used.

General Cleaning

Proper general cleaning should include the following:

1. Blow away dust accumulation with compressed air if available.
2. Clean the outer surface of the Printer with a damp sponge or cloth. Use a mild soap and water solution if necessary. Do not use abrasive cleaners.
3. Wipe the Printer dry with a soft lint-free cloth.

Cleaning the Overdrive

If ink is spilled on the Overdrive, remove the ink. Due to the ink's reflectance, ink on the Overdrive can disrupt the Printer's edge-sensing function. To remove any ink from the Overdrive, perform the following procedure:

Prevent water or other liquids from running onto electrical components or circuits, or through openings in the module.

1. Perform the Overdrive Cleaning Utility ⇒ Page *4-36*.
2. Open the window and apply any common household cleaning solution (water based only) to a soft, lint-free rag and apply it to the Overdrive surface while it is rotating. Thoroughly clean the Overdrive surface. Also make sure that you clean the mark encoder on the left side of the driver roller.
3. Press **Enter** when you have completed the cleaning procedure.
4. Allow the Overdrive to dry before loading media in the Printer.

Scheduled Maintenance

In some segments of the printer market, the customer tends to print more than the maximum number of prints that the throughput allows, exceeding by far the limit of the design. When this happens the customer runs into print quality problems and continuous Printer failures.

The purpose of scheduled preventive maintenance is to avoid these failures - ensuring a good performance during all the product life.

Level of Printer Usage

Normal printer use means 7,000,000 Carriage Cycles. Under normal usage conditions, it will be approximately 5 years before the printer needs maintenance. If the printer is used more than the normal usage conditions, then it will need maintenance service much more frequently.

One of the EEROM counters is assigned to counting the number of carriage cycles. When the printer exceeds this amount, the front panel displays the following message:

"Maintenance Advised"

The Service Configuration Print also conveys the usage information, and it is accessible by the user.

Once the maintenance advised message is displayed, the preventive maintenance kit must be used to replace the most worn parts of the printer. Use the Removal and Installation Chapter of this Service Manual as a guide to replace the necessary parts.

Preventive Maintenance Kit - Part Number C6072-60143

Scan-axis Maintenance

In addition to the wearing of the Scan-axis motor, the friction in this area can increase due to the accumulation of ink particles and dust from the media or the atmosphere in the vicinity of the slider rods.

Scan-axis maintenance requires the cleaning of the slider rods properly, and a lubricant to apply onto the rods.

The most important parts to keep clean are the upper and internal sides of the rods.