
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 dessicant 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 Drive Roller/Print Platen

NOTE

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

WARNING

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

- 1 Perform the Turn Drive Roller Utility ⇒ Page 4-21.
- 2 Open the Top Cover and apply any common household cleaning solution (water based only) to a soft, lint-free rag and apply it to the Drive Roller surface while it is rotating. Thoroughly clean the Drive Roller surface.
- 3 Press **Enter** when you have completed the cleaning procedure.
- 4 Allow the Drive Roller 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 6,000,000 printing 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 as well as the usage cycles of other major components. When the printer exceeds this amount, the front panel

displays the following message:

"Maintenance Advised"

NOTE

The Maintenance Advised message could also appear when the Spittoon in the Service Station is full.

The Printer Information utility 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.

Scan-Axis Maintenance

In addition to the wearing of the Scan-Axis Motor and the Ink Tubes System, 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. It also requires the replacement of the Ink Tubes System.

NOTE

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