

Preface

This Technical Service Manual provides qualified service technicians with the required data and procedures to service the Retail Inkjet Solutions InkCenter™ Refill System. This section contains the following information:

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Overview

This manual includes the following information about the Retail Inkjet Solutions InkCenter™ Refill System.

- **Theory of Operations**—Includes an overview of system operation, explanations of the processes involved in each major subsystem, identification of system components, and system diagrams.
- **Remove and Replace Procedures**—Contains detailed instructions for removing and replacing the system cabinet components and all field replaceable components for the InkCenter™ Refill System.
- **Periodic Maintenance**—Provides periodic maintenance guidelines for keeping the InkCenter™ Refill System in optimal operational condition and detailed descriptions of maintenance procedures.
- **Troubleshooting**—Outlines procedures for troubleshooting problems with the operation of the system.

Retail Inkjet Solutions Contact Information

- Telephone: 858-753-0233
- FAX: 858-876-1561
- Mail: 2445 Impala Drive, Carlsbad, CA 92010
- Internet: www.retailinkjet.com

Conventions

This manual uses the following conventions:

- **Part Numbers**—Only the first six, identifying digits are presented for part numbers
- **System Commands**—System commands are formatted in **bold**.

Safety

Read and understand all safety instructions before servicing the Retail Inkjet Solutions InkCenter™ Refill System.

Environmental Considerations

Do not use or store the InkCenter™ Refill System outdoors at any time. The system must be kept in an indoor environment where the following conditions are met and maintained:

- Temperature between 60–77° F (15–25° C) and not subject to rapid fluctuations
- Humidity between 40–75%

- No strong electric or magnetic fields exist
- No corrosive gases are present
- High amounts of dust are not present
- Sufficient ventilation of at least 3 inches (8 cm) exists behind the equipment to provide unobstructed air flow and access to the main power switch
- Flooring is solid, level, and has adequate strength to support the weight of the unit
- No heat sources are nearby, such as open flames, radiators, heat registers, stoves, or other heat-generating electrical equipment

Electrical Safety

Plug the power cord directly into a properly grounded electrical outlet. Do not use a ground adapter plug to connect the system to a power source receptacle that lacks a ground connection terminal. Do not use an extension cord with a rating less than what is listed on the label on the back of the machine. If you are not sure whether or not an outlet is properly grounded, consult an electrician.

The InkCenter™ Refill System is configured for the voltage requirements of the installation locality that was specified at the time of order. Operate the system only from the type of power source indicated on the system's label. If you are not sure of the type of power available, consult the local power company. If the equipment is moved to another area, check to make sure that the same voltage requirements exist.

The InkCenter™ Refill System can operate at multiple input voltages. However, do not change the input voltage to any of the system components. Several internal modifications are required for voltage change when carried out by Retail Inkjet Solutions technical staff. If the operating voltage must be changed, please contact Retail Inkjet Solutions (see "Retail Inkjet Solutions Contact Information" on page xxiv).

Local line voltages are present inside the system and can be hazardous. Observe all warning labels posted within the system. Be especially careful when operating the system while any of the outer cabinet components have been removed.

Use only the power cord supplied with the InkCenter™ Refill System. Do not damage or modify the power cord or power plug. Route the power cord so that it is not excessively bent and not in areas where people might step or trip on it. Do not place objects on the power cord and do not pull on the power cord. Do not insert or unplug the power plug with wet hands, as this may result in electric shock.

Do not overload wall outlets, extension cords, or convenience receptacles. This can result in a risk of fire or electric shock. Facilities should be adequately wired according to local building codes.

Electrical Disconnect

The power cord is the disconnect device for the InkCenter™ Refill System. It is attached to the back of the system as a plug-in device. To remove all electrical power from the system, ensure that the power switch is in the off position and then disconnect the power cord from the power receptacle.

Operational Safety

Many service and maintenance procedures require system operation after external cabinet components have been removed. Be sure to observe all safety labels posted within the system during such operations.

Radio Frequency Emissions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

Changes or modifications to this equipment not specifically approved by Retail Inkjet Solutions may void the user's authority to operate this equipment.

