



Service Manual

**HP Designjet
8000s Series Printers**



For HP Internal Use Only Warranty

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WARNING

The procedures described in this manual are to be performed by HP-qualified service personnel only.

Electrical Shock Hazard

Serious shock hazard leading to death or injury may result if you do not take the following precautions:

- Ensure that the ac power outlet (mains) has a protective earth (ground) terminal.
- Disconnect the Printer from the power source prior to performing any maintenance.
- Prevent water or any other liquids from running onto electrical components or circuits, or through openings in the enclosure.

Electrostatic Discharge

Refer to the beginning of Chapter 4 of this manual, for precautions you should take to prevent damage to the Printer circuits from electrostatic discharge.

Safety Symbols

General definitions of safety symbols are given immediately after the table of contents.

WARNING

The Warning symbol calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personal injury. Do not proceed beyond a Warning symbol until the indicated conditions are fully understood and met.

CAUTION

The Caution symbol calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product. Do not proceed beyond a Caution symbol until the indicated conditions are fully understood and met.

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**HP Designjet
8000s Series Printers**

Using this Manual

Purpose

This Service Manual contains information necessary to test, calibrate and service:

- HP Designjet 8000s Series Printer (Models Q6670A/Q6686A).

For information about using these printers, refer to the corresponding User Guide.

Readership

The procedures described in this Service Manual are to be performed by HP Certified service personnel only.

Part Numbers

Part Numbers for Printer options, accessories and service parts are located in Chapter 7.



Conventions

A small arrow \Rightarrow is used to indicate other parts of the Service Manual where you can find information related to the topic you are consulting.












Safety Precautions






The following Warnings and Cautions are presented in this Service Manual and must be observed.

Follow the instructions marked with these symbols.

 WARNING	Failure to follow the guidelines marked with this symbol could result in severe personal injury or death.
 CAUTION	Failure to follow the guidelines marked with this symbol could result in minor personal injury or product and/or peripheral damage.

WARNING

	Inks used in the printer and liquids in the HP Cleaning and Maintenance kits contain an organic solvent (ethylene glycol monobutyl ether acetate, CAS No. 112-07-2). Observe all local, state, and federal regulations related to the handling, use, storage, and disposal of organic solvents.
	Avoid contact between ink and skin, eyes, and clothing. <ul style="list-style-type: none"> ■ Immediately wash skin with soapy water. ■ Remove clothing soaked with ink from contact with skin. ■ Use an approved eye wash station if ink is splashed into eyes and consult a doctor if necessary. ■ If an approved eye wash station is unavailable, flush eyes with cold water and consult a doctor if necessary.
	Be sure the printer is well-grounded. Failure to ground the printer may result in electrical shock, fire, and susceptibility to electromagnetic interference.
	Ink and fluids used in the Cleaning and Maintenance Kits are combustible. Do not use or store within 8 meters (25 feet) of open flames, sparks, or other sources of ignition.
	Switch power OFF, remove the power cords from the electric outlets and allow the printer to cool before attempting to remove any panels or covers. The printer contains high voltage and hot components. Removal of panels or covers may result in exposure to electric shock and burns.
	Do not allow metal or liquids (except those used in HP Cleaning and Maintenance Kits) to touch the internal parts of the printer. Doing so may cause fire, electric shock, or other serious hazards.
	When shutting down the entire system, always turn OFF the printer switch as well as the heater switch (breaker).
	Use only an HP Waste Ink Bottle. The bottle must be installed according to instructions or waste ink may overflow.
	An HP Waste Ink Bottle must always be installed before turning the printer ON. Automatic and manual service cycles produce waste ink that must be contained in an HP Waste Ink Bottle.
	Always use both hands to remove and carry an HP Waste Ink Bottle.
	Keep the HP Waste Ink Bottle upright. Do not place on tables or shelves where it could fall.

	Waste ink is combustible. Keep an HP Waste Ink Bottle containing waste ink away from open flames, sparks, or other sources of ignition.
	Never store waste ink in a glass container.
	Never pour waste ink into a container filled with other chemicals.
	The HP Waste Ink Bottle contains organic solvents and must be disposed of in compliance with all local, state, and federal regulations.
	Always securely replace the cap on a full or partially-full HP Waste Ink Bottle after removing it from the printer to prevent ink spills.

CAUTION










	Treat any media, paper, used cleaning and maintenance supplies, and wipes soaked with ink as combustible materials. Handle and dispose of properly.
	Do not clean the printer with benzene or paint thinner. This may damage the paint.
	Wipe the printer clean with a soft cloth. A cloth moistened with a neutral detergent may be used. Do not allow liquid to enter the printer. This may create risk of fire and electrical shock and cause a malfunction.
	Never touch the printhead nozzles. They can be easily damaged or clogged.
	Do not touch heater surfaces in the paper path. This may cause burns. Take care when touching printer components near the heaters.
	HP Ink Cartridges must be installed before the "Install By" printed on the cartridge. Use of the Ink Cartridge 3 months beyond the "Install By" date may cause deterioration in print quality or a printer malfunction.
	Do not separate the cap from a new HP Waste Ink Bottle. The cap is needed to properly seal the HP Waste Ink Bottle for disposal.
	The level in the HP Waste Ink Bottle should be checked by visual inspection to prevent overflow. If the waste ink level is above the indication line, the bottle must be replaced with an empty HP Waste Ink Bottle.
	The use of safety glasses and gloves is recommended when performing cleaning and maintenance operations.

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