

# DC Tips

*... for the user*

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## *Macintosh Driver Conflicts That Occur After Installation*

### Purpose

This document contains a solution we recommend if conflicts between drivers cause a workstation to crash or halt LaserWriter driver functions. The following items contribute to these conflicts:

- Installation of Adobe PostScript (PS) driver v8.8 for any products on versions of Macintosh OS earlier than 9.x, and/or
- Installation of DC 2xx/3xx Macintosh custom drivers after installations of the DC 4xx or DC 5xx products on Macintosh OS 9.x

This document does not apply to OS X.

### Background

In Macintosh OS 9.x, (and earlier versions), Apple provides a system library called **PrintingLib**. This library resides in the System Folder/Extensions folder. It allows the Macintosh printing system to function. Typically, the library is updated with each major Macintosh operating system revision.

- For Macintosh OS version 9.0 the PrintingLib version is 8.7.
- For Macintosh OS version 9.1 to 9.2 and higher, the PrintingLib version is 8.7.1.

Apple also provides a LaserWriter driver version with the Macintosh OS that typically corresponds with the PrintingLib version, (for example, OS v9.0 has v8.7 PrintingLib, and LaserWriter printer driver v8.7).

Xerox and third party vendors (example: EFI's Fiery), develop their printer drivers using the Adobe driver. A driver could include either:

- a custom PPD that works with the Adobe PS stand-alone driver, or
- a custom Adobe base driver and PPD packaged together for a particular product.

The Adobe driver installs:

- Adobe PS Chooser extension
- Adobe printing library or,
- (if applicable) an additional installation of a PrintingLib version given to Adobe by Apple may occur if the version of the existing PrintingLib file is older. The Apple version supplies some pieces of printing system missing from the Adobe driver.

Installations of drivers developed using different base versions may cause conflicts.

This document applies to these **Xerox** products:

x	DC 555/545/535 ST
X	DC 490/480/470/460 ST
x	DC 440/432/425/420 ST
x	DC 340/332 ST
x	DC 265/255/240 ST/LP
x	DC 230/220 ST/LP
x	DCCS 50

# Conflict Scenarios

The following scenarios describe the conflicts listed in the "Purpose" of this document.

## Scenario 1

A conflict occurs when the installation of an Adobe base driver version 8.8 on a Macintosh OS version 8.6 overwrites the PrintingLib file. This causes the LaserWriter driver version 8.6 to no longer function.

## Scenario 2

Unstable functionality occurs with some combinations of driver installs. For example, you have the latest Xerox custom Macintosh DC 490 driver installed on a system using Macintosh OS 9.1. This driver uses the Adobe base driver version 8.8. It does not install PrintingLib v. 8.71 because that is the current version of the PrintingLib file. Next, you install the Adobe base driver v. 8.8 with the same results. Your Xerox custom driver, the Adobe base driver and the LaserWriter driver all function normally. Then you download a current driver available on [www.xerox.com](http://www.xerox.com) for the DC 265 (or any DC 2xx or DC 3xx driver). It installs versions 8.6 Adobe PS Chooser extension, Printinglib file and some other files.

When you select the LaserWriter 8 driver in the Chooser it freezes the Macintosh system. You reboot the Macintosh without extensions running and read the install files in the documents folder which tells you no files are installed for this driver, yet the DC 265 driver appears in the Chooser. The Adobe Printing Library and PrintingLib versions are the same as before the install so it appears as if nothing has been overwritten. All printing is disabled. Although, we suspect version incompatibility, the root cause of this undesirable behavior is not known at this time.

## Recommended Solution

After some extensive testing, the best solution we achieved included installation of Adobe versions 8.8 in a Macintosh OS 9.x environment. Install the same version for the base Adobe PS driver, Xerox color products, and the custom driver for the DC 4xx and 5xx models. DC 2xx and 3xx drivers function properly after you install the Adobe base drivers version 8.8.

You can obtain drivers with the Adobe 8.8 base for DC 4xx, 5xx and DCCS50 products on [www.xerox.com](http://www.xerox.com). Click on the Drivers link.

## File Versions of Recommended Solution Components

- Adobe PS v8.8
- Adobe Printing Library v8.8
- LaserWriter8 v8.7.1
- PrintingLib v8.7.1

## Additional Information

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