
Combined Service Manual

HP LaserJet 4 / 4M
(C2001A / C2021A)

HP LaserJet 4 Plus /
4M Plus
(C2037A / C2039A)

HP LaserJet 5 / 5M
/5N
(C3916A/C3917A/
C3952A)

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WARNING

Electrical Shock Hazard

To avoid electrical shock,
use only supplied power
cords and connect only to
properly grounded
(3-hole) wall outlets.

Conventions

This manual uses the following conventions:

Unless specifically stated otherwise, information applies to all seven printer models (LaserJet 4/4 Plus/4 M/4 M Plus/5/5 M/5 N). Most procedures are combined for all printers, except where they differ substantially.

Color is used to emphasize items which are important to the material under discussion.

The names of major printer parts and assemblies are Capitalized.

Bold is used for emphasis, particularly in situations where *italic* type would be confusing.

Italic type is used to indicate related documents or emphasis.

COMPUTER type indicates text as seen on a computer monitor.

DISPLAY type indicates text as seen on the printer's 16 character LCD display panel (LaserJet 4Plus/4MPlus only).

KEYFACE indicates keys on a computer keyboard or on the printer's control panel. Examples include **Enter**, **On Line** and **Go**.

Note Notes contain important information set off from the text.

CAUTION Caution messages alert you to the possibility of damage to equipment or loss of data.

WARNING! Warning messages alert you to the possibility of personal injury.

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Product Information

Table 1-1 Printer Features

Features	HP LJ 4	HP LJ 4M	HP LJ 4 Plus	HP LJ4M Plus
Model	C2001A	C2021A	C2037A	C2039A
Printer Speed	8 ppm	8 ppm	12 ppm	12 ppm
Resolution	300/600 dpi	300/600 dpi	300/600 dpi	300/600 dpi
Expandable I/O Buffer	No	No	Yes	Yes
Resource Savings	No	No	Yes	Yes
MEt	No	No	Yes	Yes
REt	Yes	Yes	Yes	Yes
Languages	Enhanced PCL5	Enhanced PCL5, Postscript Level 2	Enhanced PCL5	Enhanced PCL5, Postscript Level 2
PostScript Upgradeable	C2080A*	N/A	C3129A*	N/A
Resident Memory	2 MByte	6 MByte	2 MByte	6 MByte
Printer Max. Memory Capacity	34 MByte	26 MByte	66 MByte	50 MByte
Available Memory Slots	Four	Two**	Four	Two **
PC Tray Capacity	250 Sheets	250 Sheets	250 Sheets	250 Sheets
MP Tray Capacity	100 Sheets	100 Sheets	100 Sheets	100 Sheets
Output Capacity	250 Sheets	250 Sheets	250 Sheets	250 Sheets
500 Sheet Optional Feeder	C2083A	C2083A	C2083D	C2083D
Duplex Option	N/A	N/A	C3157A	C3157A
Envelope Feeder	C2082A	C2082A	C2082B	C2082B
Typefaces	45 PCL	45 PCL 35 Postscript	45 PCL	45 PCL 35 Postscript
Interfaces	Serial (25 pin) Parallel	Serial (25 pin) Parallel, Local Talk	Serial (9 pin) Parallel	Serial (9 pin) Parallel Local Talk
MIO Slots	Yes	Yes (J2341A)	Yes	Yes (J2552A)
EconoMode	No	No	Yes	Yes
Cartridge Slot	Yes	Yes	Yes	Yes
Power Save	No	No	Yes	Yes
Monthly Usage (pages)	Up to 20,000	Up to 20,000	Up to 20,000	Up to 20,000

*The PostScript upgrade requires an additional 4 MB SIMM.

**PostScript & Memory SIMM already occupy 2 slots.

Product Family Information

The model HP C2021A is identical to the model HP C2001A from a hardware standpoint, as is the model HP C2039A to the model HP C2037A. The models HP C2021A and C2039A printers include the following features:

- PostScript Level 2 SIMM
- AppleTalk MIO Card
- 4 MBytes of RAM

In every instance the repair procedures for all products are similar.

Some LaserJet 4 accessories are compatible with the LaserJet 4 Plus and some are not. The compatibility chart below may be used when there is a question of accessory compatibility.

Table 1-2 Product Family Compatibility Matrix

Accessory	Description	Does it work in the HPLaserJet 4?	Does it work in the HPLaserJet 4 Plus?
C2082A	Envelope Feeder	Yes	No
C2082B	Envelope Feeder	Yes	Yes
C2083A	Optional 500 Sheet Feeder Assembly	Yes	No
C2083D	Optional 500 Sheet Feeder Assembly	Yes	Yes
C2085A	250 Sheet Universal PC tray	Yes	No
C2085D	250 Sheet Universal PC tray	No	Yes
C3129A	PostScript SIMM	No	Yes
C2080A	PostScript SIMM	Yes	No
C2063A	Memory (1 MByte)	Yes	Yes
C2064A	Memory (2 MByte)	Yes	Yes
C2065A	Memory (4 MByte)	Yes	Yes
C2066A	Memory (8 MByte)	Yes	Yes
C3130A *	Memory (1 MByte)	No	Yes
C3131A *	Memory (2 MByte)	No	Yes
C3132A*	Memory (4 MByte)	No	Yes
C3133A*	Memory (8 MByte)	No	Yes
C3146A *	Memory (16 MByte)	No	Yes
C3157A	Duplex Assembly	No	Yes
92298A	Toner Cartridge	Yes	Yes

*If HP LaserJet 4 Plus Optional Memory (C3130A, C3131A, C3132A, C3133 or C3146A) is installed in the HP LaserJet 4, the printer will display a "53.1X.08 ERROR" (X indicates the position of the SIMMs slot).