EPSON AcuLaser™ C1900 Setup Sheet

Warnings, Cautions and Notes

⚠ *Warnings* must be followed carefully to avoid bodily injury.

❗ *Cautions* must be observed to avoid damage to your equipment.

Notes contain important information and useful tips on the operation of your printer.

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XXX

Safety Instructions

Laser Printer Precautions

This printer uses laser technology. Follow the precautions below to ensure safe, efficient operation.

❏ Be careful not to touch the fuser, which is marked CAUTION Hot Surface Avoid Contact. If the printer has been in use, the fuser may be very hot.

Do not insert your hand into the fuser unit, as it may be very hot.
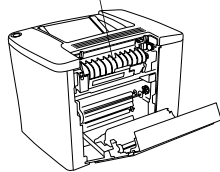
❏ Do not attempt to modify or take the developer cartridge apart. It cannot be refilled.

❏ Do not touch the toner and avoid all toner contact with your eyes.

❏ Do not dispose of used developer cartridges, waste toner collectors, or photoconductor units in fire, as they can explode and cause injury. Dispose of them according to local regulations.

Important Safety Instructions

Read all of the following instructions before operating your printer:

❏ The printer weighs about 30kg (66.1lb). One person should not attempt to lift or carry the printer. Two people should carry it, lifting it by the correct positions as shown.

Left   Right
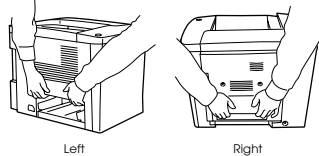
❏ Follow all warnings and instructions marked on the printer.

❏ Unplug this printer from the wall outlet before cleaning.

❏ Use a well-wrung cloth for cleaning and do not use liquid or aerosol cleaners.

❏ Avoid touching the components inside the printer unless instructed to do so in this guide.

❏ Never force printer components into place. Although the printer is designed to be sturdy, rough handling can damage it.

❏ Be sure to keep consumables out of the reach of children.

❏ Do not leave jammed paper inside of the printer. This can cause the printer to overheat.

❏ Do not use this printer near water.

❏ Do not place the printer on an unstable surface.

❏ Do not put your printer where the cord will be stepped on.

❏ Avoid using outlets that other appliances are plugged into.

❏ Slots and openings in the cabinet and the back or bottom are provided for ventilation. Do not block or cover them. Do not put the printer on a bed, sofa, rug, or other similar surface or in a built-in installation unless proper ventilation is provided.

❏ The interface connector for this printer is Non-LPS (non-limited power source).

❏ Use the type of power source indicated on the label. If you are not sure of the type of power available, consult your dealer or local power company.

❏ If you are unable to insert the plug into the outlet, contact a qualified electrician.

❏ If you use an extension cord, make sure that the total of the ampere ratings on the products plugged into the extension cord does not exceed the extension cord ampere rating.

❏ Never push objects of any kind through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.

❏ Never spill liquid of any kind on the printer.

❏ Except as specifically explained in this guide, do not attempt to service this product yourself. Opening or removing those covers that are marked Do Not Remove may expose you to dangerous voltage points or other risks. Refer all servicing in those compartments to a qualified service representative.

❏ Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and may require repair by a qualified service representative.

❏ Unplug this printer from the wall outlet and refer servicing to a qualified service representative under the following conditions:

A. When the power cord or plug is damaged or frayed.

B. If liquid has been spilled into it.

C. If it has been exposed to rain or water.

D. If it does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

E. If it has been dropped or the cabinet has been damaged.

F. If it exhibits a distinct change in performance, indicating a need for service.

1 Finding a Place for the Printer

❏ Allow adequate space for easy operation and maintenance.
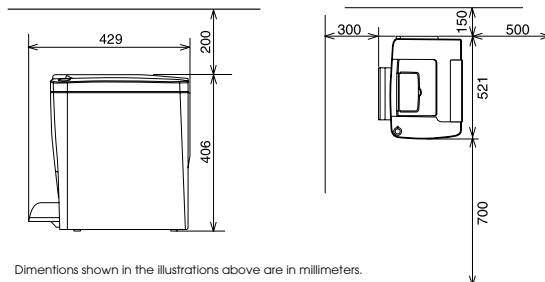
Dimentions shown in the illustrations above are in millimeters.

❏ Place the printer where you can easily unplug the power cord.

❏ Keep the entire computer and printer system away from potential sources of interference, such as loudspeakers or the base units of cordless telephones.

❗ *Caution:*
❏ *Leave adequate room around the printer to allow for sufficient ventilation.*

❏ *Avoid locations that are subject to direct sunlight, excessive heat, moisture, or dust.*

❏ *Do not place the printer on a surface that is smaller than the printer's bottom panel. Doing so may cause troubles on printing and feeding due to the internal excessive load of the printer. Be sure to locate the printer on a flat, wide surface where the rubber pads can be placed stably.*
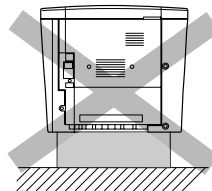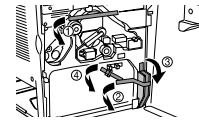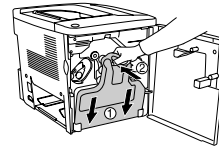
2 Assembling the Printer

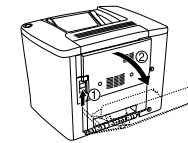1. Remove the protective materials.   2. Open the front cover.

3. Remove the protective material.

4. Remove the protective material from the transfer unit.
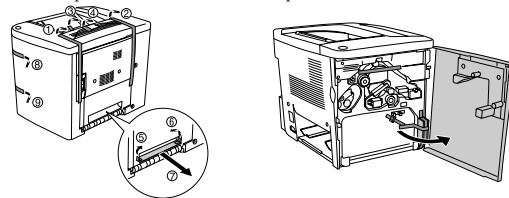
5. Install the waste toner collector.

6. Close the front cover.

7. Open the cover on the right.

8. Pull up the green tabs and pull them down. Remove the protective materials.
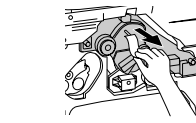
9. Close the cover on the right.

10. Remove the protective materials.   11. Install the MP tray.

Insert straight into the slots.
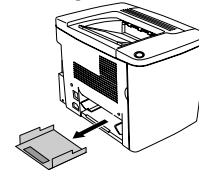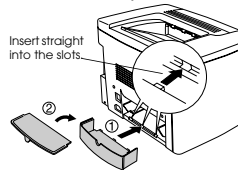
3 Installing the Options

Memory Module/ROM Module/Hard Disk Drive

To install the optional 500-Sheet Paper Cassette Unit and Duplex Unit, see the instructions that come with the packages.

Memory size	32MB, 64MB, 128MB, 256MB or 512MB
ROM Module	The Adobe® PostScript® 3™ Kit ROM module (C12C832531)
Hard Disk Drive	C12C823921

For more detailed descriptions of Memory Module/ROM Module/Hard Disk Drive, see the online *Reference Guide*.

⚠ *Warning:*
❏ *Removing other screws and covers will expose high voltage areas.*

❏ *Be careful when working inside the printer as some components are sharp and may cause injury.*

❗ *Caution:*
❏ *Before you install a Memory Module/ROM Module/Hard Disk Drive, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.*

❏ *Make sure that the printer is turned off.*

❏ *Remove only the five screws attaching the back cover.*

1. Turn off the printer.

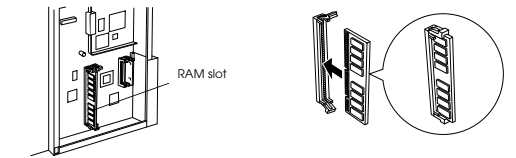2. Loosen the five screws and remove the shield on the back of the printer.
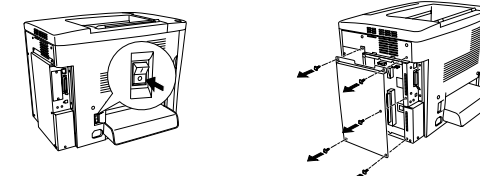
3. When installing the Memory Module/ROM Module/Hard Disk Drive, see the instructions below.
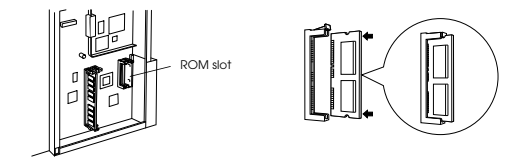
❗ *Caution:*
❏ *Do not force the Memory Module/ROM Module/Hard Disk Drive into the slot.*

❏ *Be sure to insert the Memory Module/ROM Module/Hard Disk Drive facing the correct way.*

❏ *Do not remove any modules from the circuit board. Otherwise, the printer will not work.*

<Memory Module>
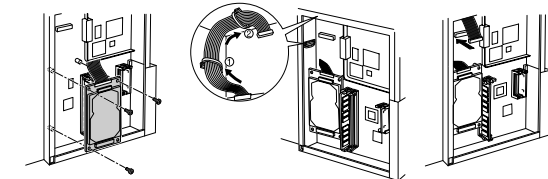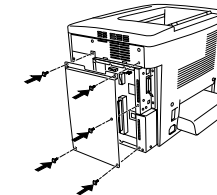
RAM slot

<ROM Module>

ROM slot

<Hard Disk Drive>

4. Secure the five screws and close the shield on the back of the printer.

To confirm that the Memory Module/ROM Module/Hard Disk Drive is installed correctly, print a status sheet.
See "4 Testing and Connecting the Printer".

Interface Cards

Your printer comes with a Type B interface slot. Follow the steps below to install the optional interface cards.

For more detailed descriptions of interface card, see the online *Reference Guide*.

⚠ *Warning:*
❏ *Removing other screws and covers will expose high voltage areas.*

❏ *Be careful when working inside the printer as some components are sharp and may cause injury.*

❗ *Caution:*
❏ *Before you install an interface card, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.*

❏ *Make sure that the printer is turned off.*

❏ *Remove only the two screws attaching the left side cover.*

1. Turn off the printer.

2. Remove the cover.

3. Insert the interface card.
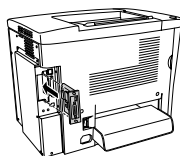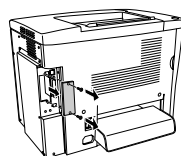
4. Secure the screws.
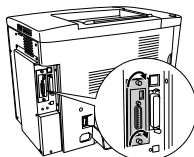
To confirm that the optional interface card is installed correctly, print a status sheet. See "4 Testing and Connecting the Printer."

4 Testing and Connecting the Printer

Plugging in the Printer

Make sure that the printer is turned off. Insert the power cord into the left side of the printer. Then plug the other end into a properly grounded electrical outlet.
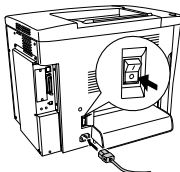
Connecting the Printer to a Computer

Use a shielded, twisted-pair parallel interface cable that is IEEE-1284 compatible, or a USB Revision 1.1 cable.
System requirements for USB connection are as follows:

❏ Apple® Macintosh® system that has a USB interface guaranteed by Apple Computer, Inc.

❏ Microsoft® Windows® system that has a USB interface guaranteed by each manufacturer, and the preinstalled Windows Millennium Edition, 98, XP, and 2000 or the upgraded Windows Me, XP, and 2000 from the preinstalled Windows 98.
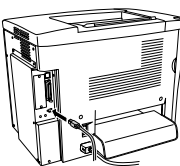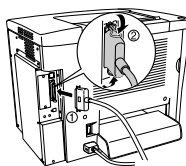
Note:
❏ *Be sure to connect a computer that supports bidirectional communication.*

❏ *When using an inappropriate cable or connecting peripheral devices between the printer and the computer, the connection may be unstable.*

❏ *You cannot connect Macintosh computers to the parallel interface of the printer.*

1. Make sure that both the printer and the computer are off.

2. Attach the parallel or USB interface cable to the printer as shown below.

<Parallel>   <USB>

Note:
When the cable has a grounding wire, secure the wire with the screw below the connector.

3. Plug the other end of the cable into the computer's parallel or USB interface connector. See your computer's instruction manual for more information.

Loading Paper

Load the A4 or Letter size paper into the MP tray as shown below. About the available paper types, see "Available paper types" in the online *Reference Guide*.

1. Prepare the MP tray as shown below. 2. Load the paper as shown below.

Pinch the paper guide to move it.

Pinch the paper guide to move it.
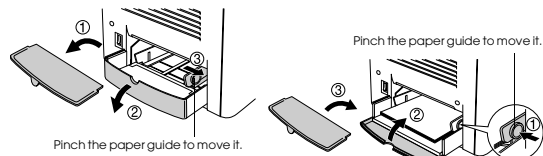
Testing the Printer

To confirm the current status of the printer, print a status sheet. The status sheet contains information about the printer, the consumables, the current settings, and the installed options, if any.

1. Turn on the printer.

2. Make sure the LCD panel shows Ready. Press the button shown in the figure below.

Press this button 3 times.
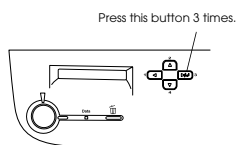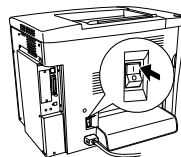
5 Installing the Printer Driver

When you install the printer driver, the following software can be installed.

❏ Printer driver
The printer driver gives you complete control settings over your printer with the Microsoft Windows Me, 98, 95, XP, 2000, NT® 4.0, and Mac OS® 8.1 to 9.x. With it, you can make various settings such as print quality and paper size.

❏ EPSON Status Monitor 3
The EPSON Status Monitor 3 allows you to view printer status information such as the amount of toner remaining and check for any printer errors.

How to Install the Printer Driver

Follow the instructions below to install the printer driver for Windows and Macintosh.

Note:
❏ *Make sure that your printer is turned off.*
❏ *To install other software, please see the online Reference Guide.*

1. Insert the printer software CD-ROM that comes with your printer in your CD-ROM drive. For Macintosh users, double-click the EPSON icon.

2. Double-click Install Software. Then follow the on-screen instructions.

This screen is for Windows

Note for Windows users:
If the EPSON Installation Program screen does not appear automatically, double-click the My Computer icon, right-click the CD-ROM icon, and click OPEN in the menu that appears. Then double-click Setup.exe.

Note for Macintosh users:
❏ *Your Macintosh must meet the Mac OS 8.1 to 9.x to use the driver included with the printer.*
❏ *Turn off any anti-virus software before installing the printer driver.*

About an Additional Driver (For Windows user)

When the printer is shared with some computers (clients) in a network and the print server's OS is Windows XP, 2000 or NT 4.0, you can install the printer driver for the client's OS in the server as an additional driver. This allows the clients to download the appropriate printer driver from the printer server if necessary.
See "Setting Up Your Printer on a Network" in the online *Reference Guide* for details.

Selecting your printer in the Chooser (For Macintosh user)

After you have installed the printer driver, you need to open Chooser to select your printer. This procedure is necessary the first time you use a printer and when you want to switch to another printer. Your Macintosh will always print using the last printer selected.

About printer sharing

You can use the printer which is connected to a local computer by USB interface through the network. See "Setting Up Your Printer on a Network" in the online *Reference Guide* for details.

6 To Know More About Your Printer

Reference Guide (HTML)

The CD-ROM shipped with your printer includes the online *Reference Guide* as well as the printer driver.
Microsoft Internet Explorer 4.0 or later, or Netscape Navigator 4.0 or later must be installed in your computer to read the online *Reference Guide*.

❏ How to use the printer

❏ How to solve problems

❏ How to keep your printer in good condition

❏ Safety information and technical specifications

Administrator's Guide (HTML)

Provides network administrators with information on both the printer driver and network settings.

Quick Reference (PDF)

Provides you with solutions for paper jam problems, and other information about your printer that you may need to refer to on a regular basis. We recommend printing this guide and keeping it near the printer.

Printing the Quick Reference guide

Note:
Acrobat Reader 4.0 or later must be installed in your computer to open and read the Quick Reference guide.

For Windows users

1. Insert the CD-ROM that comes with your printer in the CD-ROM drive.

2. Double-click User Guides on the EPSON Installation Program screen.

3. Click the arrow next to View Quick Reference.

4. The Quick Reference guide opens Acrobat Reader.

5. Select Print from the File menu and click OK. The Quick Reference guide is printed.

For Macintosh users

1. Insert the CD-ROM that comes with your printer in the CD-ROM Drive.

2. Double-click the EPSON icon.

3. Double-click View Quick Reference.

4. The Quick Reference guide opens Acrobat Reader.

5. Select Print from the File menu and click Print. The Quick Reference guide is printed.

Safety Information

Power cord

⚠ *Caution:*
Be sure the AC power cord meets the relevant local safety standards.

Laser safety labels

⚠ *Warning:*
The performance of procedures and adjustments other than those specified in this sheet may result in hazardous radiation exposure.

Your printer is a Class 1 laser product as defined in the IEC60825 specifications.
The label shown is attached to the back of the printer in countries where required.

CLASS 1 LASER PRODUCT
LASER KLASSE 1
PRODUIT LASER DE CLASSE 1
PRODUCTO LASER CLASE 1
1类激光产品

For European users

The EPSON AcuLaser Series are page printers which utilize a semiconductor laser.

There is no possibility of danger from the laser, provided that the printer is operated according to the instructions in the guides provided.

Since radiation emitted by the laser is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

⚠ *Warning:*
The use of controls, or the performance of procedures and adjustments other than those specified in this sheet may result in hazardous radiation exposure.

This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770 to 795nm.

Internal laser radiation

Max. Average Radiation Power: 5 mW at laser aperture

Wavelength: 770 to 795 nm

This is a Class III b Laser Diode Assembly that has an invisible laser beam. The printer head unit is NOT A SERVICE ITEM, therefore, the printer head unit should not be opened under any circumstances. An additional laser warning label is affixed to the inside of the printer.

CDRH regulations

For information about the Center for Devices and Radiological Health of the U.S. Food and Drug Administration, see the online *Reference Guide* on the CD-ROM.

Ozone safety

Ozone emission

Ozone gas is generated by laser printers as a by-product of the printing process. Ozone is produced only when the printer is printing.

Ozone exposure limit

The recommended exposure limit for ozone is 0.1 parts per million (ppm) expressed as an average time-weighted concentration over an eight (8) hour period.
The EPSON AcuLaser Series generates less than 0.1 ppm for eight (8) hours of continuous printing.

Minimize the risk

To minimize the risk of exposure to ozone, you should avoid the following conditions:

❏ Use of multiple laser printers in a confined area

❏ Operation in conditions of extremely low humidity

❏ Poor room ventilation

❏ Long, continuous printing together with any of the above

Printer location

The printer should be located so that the exhaust gases and heat generated are:

❏ Not blown directly into the user's face

❏ Vented directly out of the building whenever possible