

EPSON Stylus® Pro 7600/9600

PRINTER GUIDE

EPSON®

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FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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Introduction



To set up your printer, follow the instructions in Chapter 1.

This *Printer Guide* provides important information on setting up your printer, selecting paper, basic operation, and replacing parts such as ink cartridges. It also tells you how to maintain your printer to keep it working its best, and provides troubleshooting tips in case you have a problem.

For additional information, see the following:

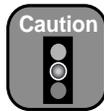
- The *Quick Reference Guide* provides a handy summary of procedures for daily use and printer maintenance—loading paper, replacing ink cartridges, running cleaning cycles, aligning the print head, and clearing paper jams. Attach it to your printer for easy reference.
- The electronic *Reference Guide* on the CD-ROM provides additional information about the printer, drivers, and utility software. You can read the guide using a web browser, such as Netscape® Navigator® or Microsoft® Internet Explorer, versions 3.0 or later.

Warnings, Cautions, and Notes

These symbols are used in this book:



Warnings must be followed carefully to avoid bodily injury.



Cautions must be observed to avoid damage to your equipment.



Notes contain important information about your printer.



Tips contain additional hints on how to get the most out of your printer.



Check the EPSON Pro Graphics web site at <http://prographics.epson.com> for new accessories and options that may become available.

Options and Accessories

Your EPSON Stylus Pro 7600 and 9600 offer these optional upgrades and accessories:

Optional equipment and software

Option	Part number
EPSON Stylus Pro 7600 Printer Stand	C12C844061
EFI® Fiery® Spark Professional 2.0 Software RIP	C842832
Internal 10/100 BaseT (Ethernet™) Type-B interface card	C12C823912
Internal IEEE 1394 (FireWire™) Type-B interface card	C823722
Automatic Take-Up Reel System (Stylus Pro 9600 only)	C12C815251
Replacement 44-inch Take-up Reel Core (Stylus Pro 9600 only)	C815121
Paper Roller Spindle (Normal Tension) — 2- or 3-inch	
Stylus Pro 7600:	C12C811161
Stylus Pro 9600:	C12C811151
Paper Roller Spindle (High Tension) — 2- or 3-inch	
Stylus Pro 7600:	C12C811155
Stylus Pro 9600:	C12C811152
Manual Media Cutting System*	
Stylus Pro 7600:	C12C815231
Stylus Pro 9600:	C815182
Replacement Manual Cutting Blade (for Manual Media Cutting System)	C815192

* Designed for use with heavy media, which can damage the printer's built-in cutter.

In addition, you can order these user-replaceable items:

Consumables and user-replaceable parts

Part	Part number
Replacement Ink Maintenance Tank*	
Stylus Pro 7600:	C120890071
Stylus Pro 9600:	C126890071
Replacement Printer Cutter Blade**	C12C815241
Ink Cartridges	See page 5-9 for a complete listing.
Paper (roll and sheet)	See page 2-2 for a complete listing.

* See page 5-22 for details.

** Replaces the blade for the printer's built-in cutter (see page 5-20).

You can purchase optional equipment and software, ink cartridges, paper, and manuals from EPSON at (800) 873-7766, or you can visit the EPSON StoreSM at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Check the EPSON Pro Graphics web site at <http://prographics.epson.com> for new accessories and options that may become available.

Where To Get Help

EPSON provides technical support and information on the installation, configuration, and operation of professional printing products through the EPSON PreferredSM Protection Plan. Dial (888) 377-6611, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday. Support hours and days are subject to change without notice.

Before you call, make sure you have your Unit ID number, which is included with the EPSON Preferred Protection Plan information that came with your printer. You'll also need your printer serial number and proof of purchase.



If you experience difficulty with the toll-free line or your Unit ID number, call (562) 276-1305.

EPSON also provides technical assistance 24 hours a day through the World Wide Web. You can reach EPSON Support at <http://support.epson.com>. At this site, you can download drivers and other files, look at product documentation, access troubleshooting information, and receive technical advice through e-mail.

You can purchase ink cartridges, paper, and accessories from EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Macintosh System Requirements

To use your printer in either a standalone or peer-to-peer network environment, your Macintosh® system should include the requirements listed below:

- OS 8.5.1 through 9.X
(OS X supported via RIP)
- 500 MHz or higher processor recommended
- 250MB of RAM
- At least 25MB of free hard disk space to install the software, and at least 2GB of free hard disk space for processing files (8GB or more available hard disk space recommended)
- Quad-speed (4×) or faster CD-ROM or DVD drive for installing the printer software
- For USB connection: a compliant USB port and a shielded USB “AB” cable from Series A (computer) to Series B (printer), up to 6.6 ft (2 meters) long

For IEEE 1394 (FireWire) connection: the optional IEEE 1394 card (described on page 2) and a shielded IEEE 1394 cable

For network connection: the optional Ethernet card (described on page 2) and a compatible cable



Using an improperly shielded USB cable—especially a cable more than 6.6 ft. (2 meters) long—may cause the printer to malfunction.

Windows System Requirements

To use your printer in either a standalone or peer-to-peer network environment, your system should include the requirements listed below:

- IBM®-compatible PC with a Pentium® IV 1 GHz or higher processor recommended
- For parallel connection: Windows® 95, 98, Me, NT 4.0, 2000, or XP
For USB connection: PC with USB port running Windows 98 (factory installed), Me, or 2000, or XP
For IEEE 1394 connection: PC with FireWire port running Windows Me, 2000, or XP
For 10/100 BaseT Ethernet connection: Ethernet equipped PC running Windows 95, 98, Me, NT 4.0, 2000, or XP
- 250MB of RAM
- At least 25MB of free hard disk space to install the software, and at least 2GB of free hard disk space for processing files (8GB or more available hard disk space recommended)
- Quad-speed (4x) CD-ROM or DVD drive for installing the printer software
- For parallel connection: a high-speed bidirectional, IEEE-1284 compliant parallel cable, 6 to 10 ft. (1.8 to 3 m) long, with a D-SUB, 25-pin, male connector for your computer and a 36-pin, Centronics® compatible connector for the printer
For USB connection: a computer running Windows 98, Me, 2000, or XP with a Windows compliant USB port and a shielded USB “AB” cable from Series A (computer) to Series B (printer), up to 6.6 ft. (2 meters) long
For IEEE 1394 (FireWire) connection: the optional IEEE 1394 port (described on page 2) and a shielded IEEE 1394 cable
For network connection: the optional Ethernet card (described on page 2) and a compatible cable



Using an improperly shielded USB cable—especially a cable more than 6.6 ft. (2 meters) long—may cause the printer to malfunction.



ENERGY STAR Compliance

As an ENERGY STAR Partner, EPSON has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The EPA ENERGY STAR Office Equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.



Always turn the printer off using the **Power** button. When you press this button, the **Operate** light flashes briefly, then goes out. Do not unplug the printer or turn off the power to the printer until the **Operate** light is off. This ensures that the print head is safely capped.

Important Safety Instructions

Before using your printer, read the following safety instructions to make sure you use the equipment safely and effectively.

- Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.
- Do not place the printer on an unstable surface or near a radiator or heating vent. Avoid areas subject to rapid changes in temperature and humidity or shock and vibrations.
- Do not place the printer near a window or in direct sunlight. Bright light can interfere with the paper sensors, causing paper jams and related problems.
- Keep the entire system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.
- Place the printer on a flat surface. It will not operate properly if it is tilted or at an angle.
- Do not block or cover the openings in the printer case or insert objects through the slots.
- Use only the type of power source indicated on the label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off. Do not use outlets controlled by wall switches or timers.

- Place the printer near a wall outlet where the plugs can be easily unplugged.

Placez l'imprimante près d'une prise de contact où la fiche peut être débranchée facilement.

- Do not let the power cords become damaged or frayed.
- If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Except as specifically explained in the documentation, do not attempt to service the printer 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 service personnel.
- Power down the printer from the control panel, unplug the printer and refer servicing to qualified service personnel under the following conditions:

If the power cord or plug is damaged; if liquid has entered the printer; if the equipment has been dropped or the case damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.

Ink Cartridge Safety Instructions

- Do not put your hand inside the printer or touch the cartridges during printing.
- To avoid damaging the printer, do not move the print head by hand.
- Under normal circumstances, ink will not come out of the cartridge. If it does get on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Keep ink cartridges out of the reach of children and do not drink the ink.
- Do not store ink cartridges at high or freezing temperatures. Keep cartridges away from direct sunlight.

- Do not dismantle the ink cartridges or try to refill them. This could result in damage to the print head.
- Install the ink cartridge immediately after you remove it from its package. Leaving the cartridge unpacked for a long time before use may result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge package. For best results, use cartridges within six months of installation.

Chapter 1: Setting Up the Printer



When choosing a place for the printer, leave adequate room for easy access and ventilation. Avoid locations subject to direct sunlight, excessive heat, moisture, or dust. Also avoid locations near potential sources of interference, such as loud speakers, cordless phones, TVs, or air conditioners.

Follow the steps in this chapter to assemble the printer, install the software, and make any necessary adjustments. You should allow at least two hours for this process.

This chapter covers the following information:

- Unpacking and assembly
- Connecting the power cord
- Installing the ink cartridges
- Loading the roll paper
- Connecting the printer to your computer
- Installing the printer software
- Running a nozzle check
- Aligning the print head



Assembly requires two people.

Unpacking and Assembling the Stylus Pro 7600

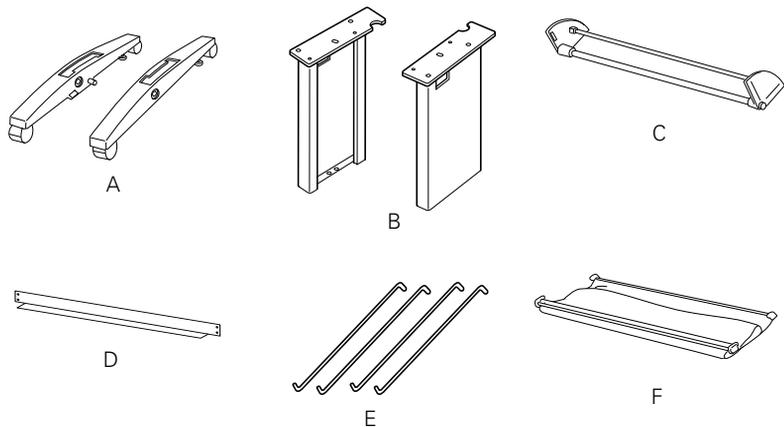
Follow these steps to assemble your printer. If you have a Stylus Pro 9600, see page 1-11 instead.

Unpacking and Assembling the Optional Stand

If you have an optional stand for the Stylus Pro 7600, follow these steps to unpack and assemble it. Otherwise, skip ahead to “Unpacking the Printer” on page 1-5.

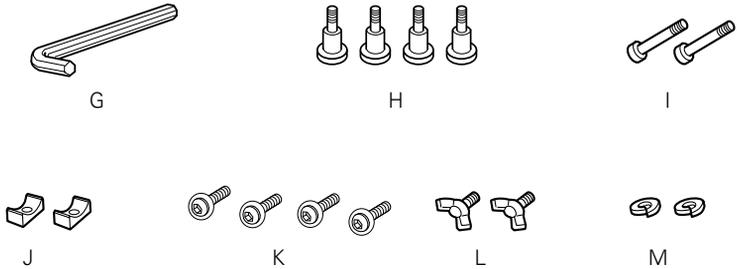
1. Unpack the stand and make sure you have all these items. You will also need a Phillips screwdriver.

Parts:



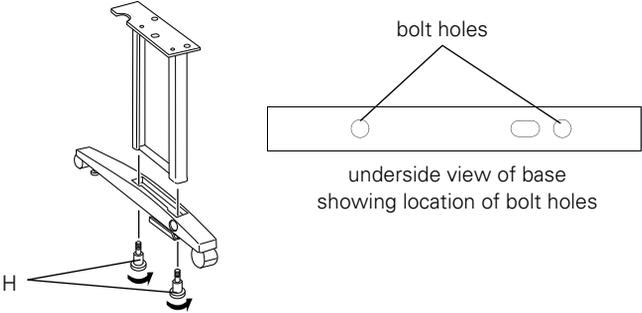
- A: Base, right and left (1 each)
- B: Leg, right and left (1 each)
- C: Bottom support bar(1)
- D: Top support bar(1)
- E: Basket hooks (4)
- F: Basket (1)

Accessories:



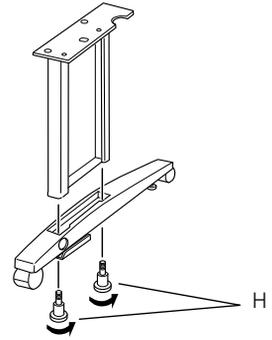
- G: Allen wrench (1)
- H: Bolts (4) for attaching legs to base
- I: Bolts (2) for attaching lower bar to legs
- J: Collars (2) for attaching lower bar to legs
- K: Phillips screws with washers (4) for attaching top support bar to legs
- L: Wing screws (2) for attaching printer to stand
- M: Washers (2) for attaching printer to stand

2. Insert one of the legs into the base as shown. (The bolt holes line up only if the leg is matched with the correct base.) Use the included Allen wrench to fasten the leg with two bolts (H).

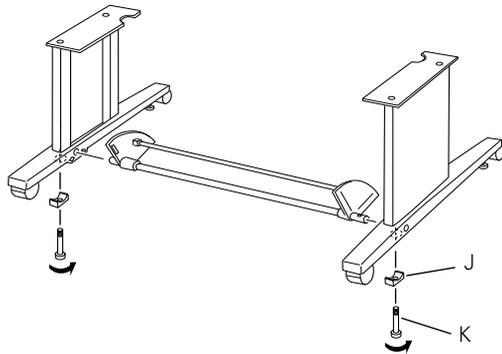


1-4 | Setting Up the Printer

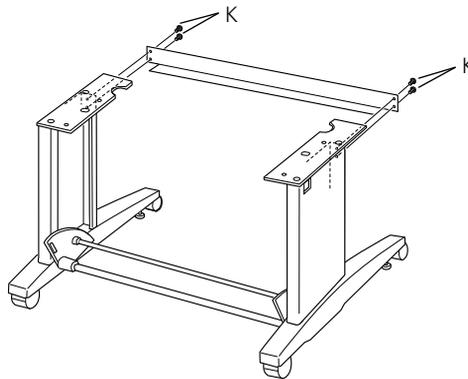
3. Assemble the other leg and base in the same way.



4. Attach the bottom support bar as shown. Fasten the bar with one collar (J) and one bolt (I) at each end.



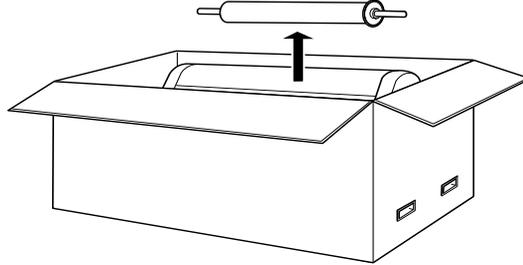
5. Attach the top support bar as shown. Use a Phillips screwdriver to fasten the four small screws (K).



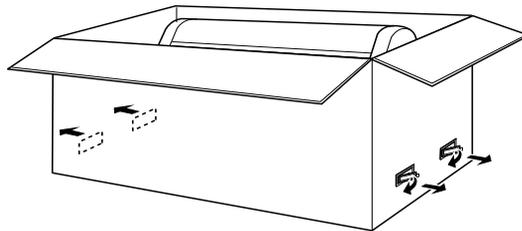
6. Make sure each part of the stand is tightened securely.

Unpacking the Printer

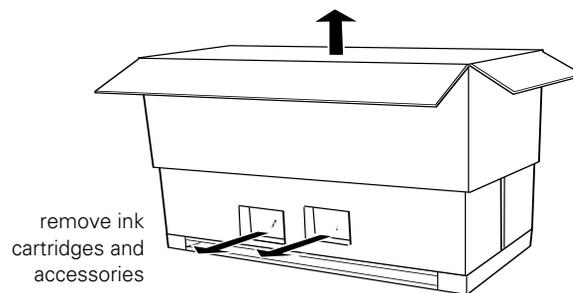
1. Remove the roll paper, polystyrene foam, and cardboard cushions.



2. Remove the handles from the sides of the box as shown.



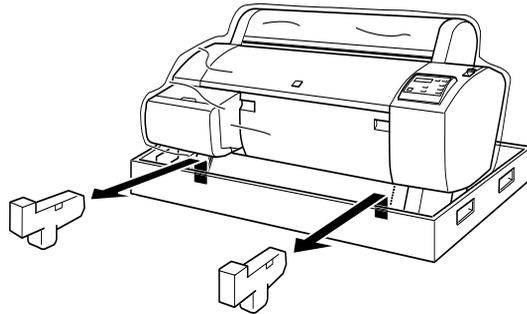
3. Lift the box up and away from the printer. Remove the ink cartridges and other accessories from the side as shown below.



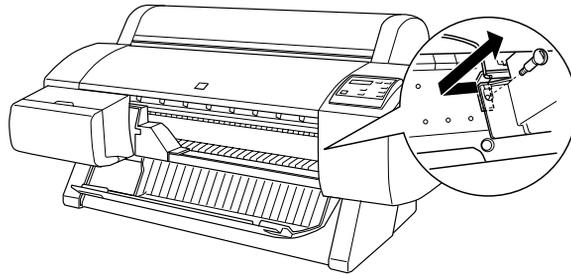
4. Remove the cardboard panels from around the printer.

1-6 | Setting Up the Printer

5. Take out the foam supports from under the printer.

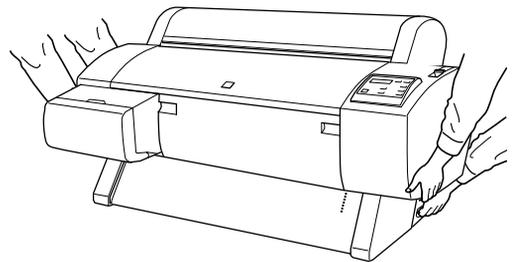


6. Remove any packing tape. Check these areas:
 - the front cover
 - the ink compartment cover
 - the maintenance tank on the right side
7. Open the front cover. Then unscrew the bolt and remove the bracket securing the print head. Save the bolt and bracket in case you need to ship the printer.



Two or more people are required to lift the printer.

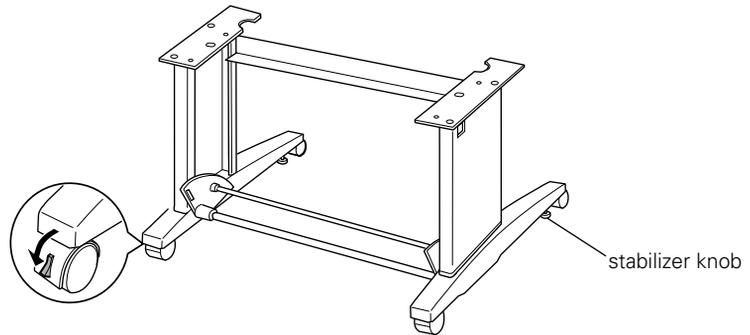
8. If you want to set the printer on a desk, use at least two people to hold it as shown. Otherwise follow the instructions in the next section to mount it on the optional stand.



Mounting the Printer on the Optional Stand

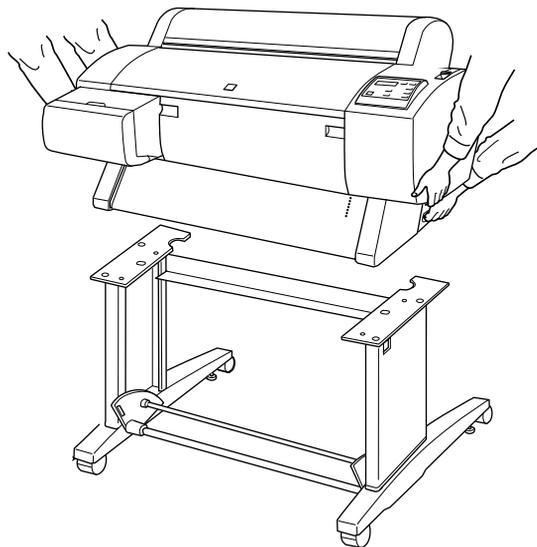
If you have an optional stand, follow these steps to mount the printer:

1. Lock the casters and lower the stabilizer knobs to keep the stand from rolling.



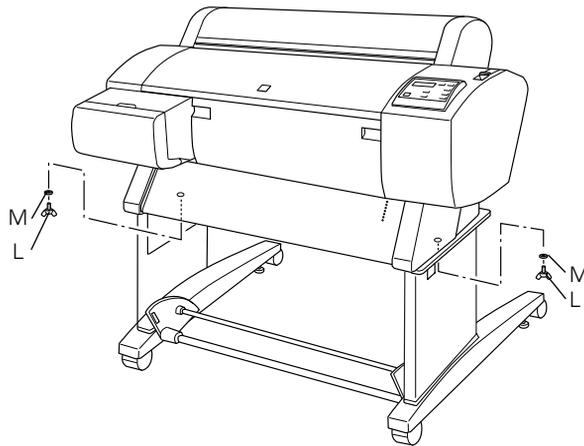
Two or more people are required to lift the printer.

2. Using two people, hold the printer at the indicated locations. Then set it on the stand as shown.



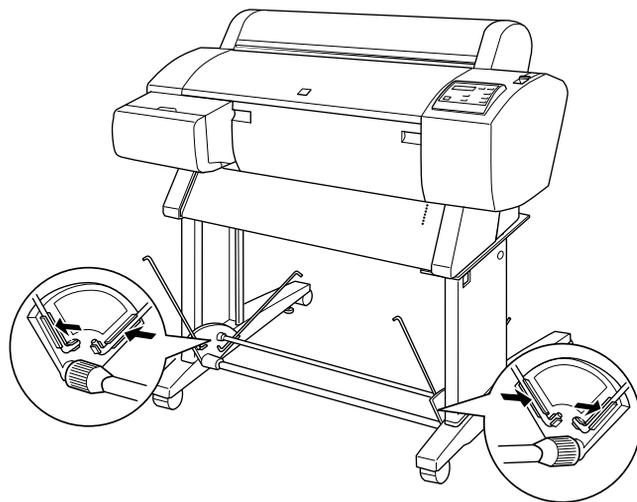
1-8 | Setting Up the Printer

3. Fasten the printer to the stand with wing screws (L) and washers (M).

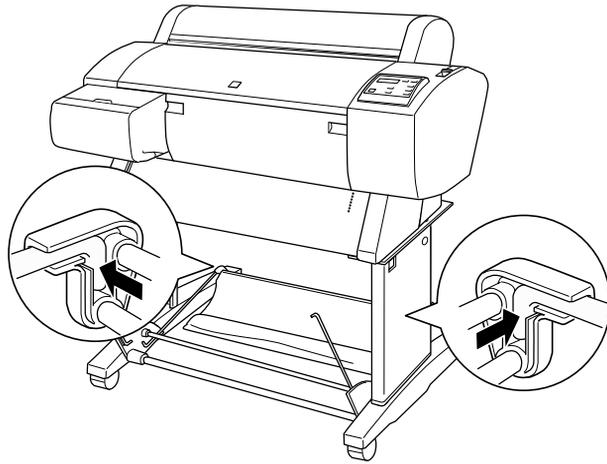


Attaching the Paper Basket

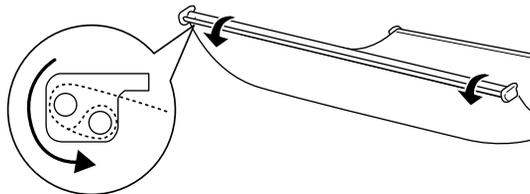
1. Attach the metal rods as shown. The free ends of the rods should point outward.



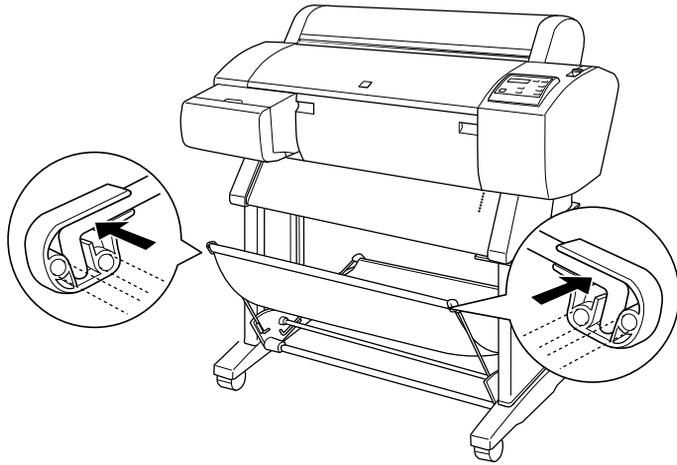
2. Snap the basket's plastic connectors onto the metal rods at the rear of the stand. (The rear connectors are labeled with an R.)



3. Rotate the front bar once as shown, so the fabric folds around the bar.



4. Snap the connectors onto the front metal rods.



5. Check underneath the printer for packing tape.
6. Raise the stabilizer knobs and unlock the casters. Then move the printer to the place of use. (The casters are meant for moving the printer over only a short distance.) Lock the casters and extend the stabilizer knobs after moving.

When done, skip ahead to “Connecting the Power Cord” on page 1-21.



Two people are required to unpack the printer, and four are needed to set it on the stand.

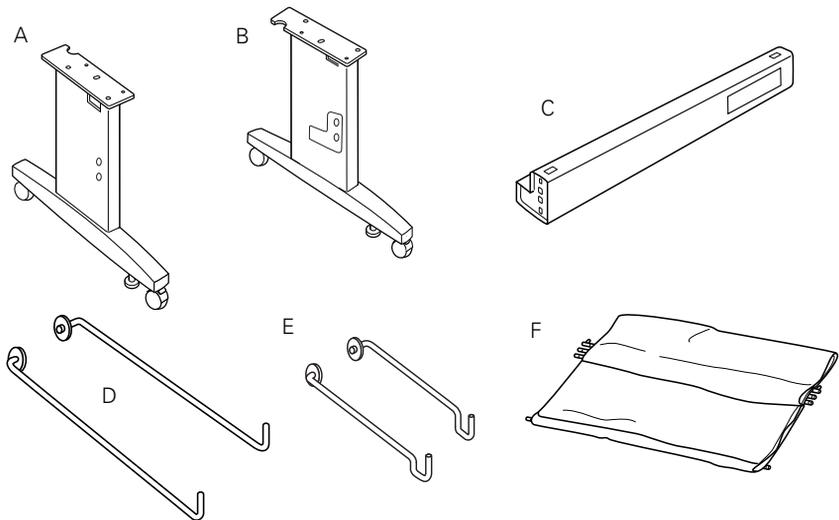
Unpacking and Assembling the Stylus Pro 9600

Follow these steps to assemble your printer. If you have a Stylus Pro 7600, see page 1-2 instead.

Unpacking the Stand

1. Open the box and remove the handles from the sides of the box.
2. Lift the box up and away from the printer, then set it aside.
3. Make sure you have all these items:

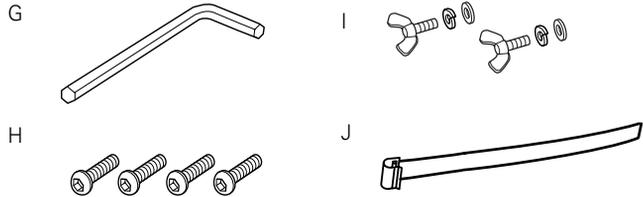
Parts:



- A: Left base section
- B: Right base section
- C: Support bar

- D: Basket hooks, long (2)
- E: Basket hooks, short (2)
- F: Paper basket

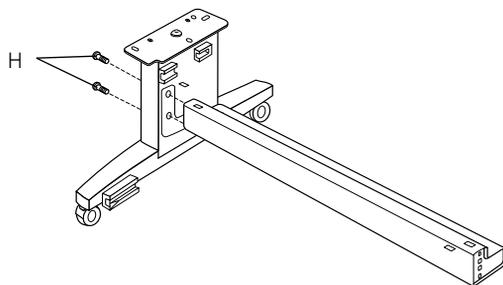
Accessories:



- G: Allen wrench
- H: Bolts (4)
- I: Wing nuts, spring washers, and plain washers (2)
- J: Paper supports (5)

Assembling the Stand

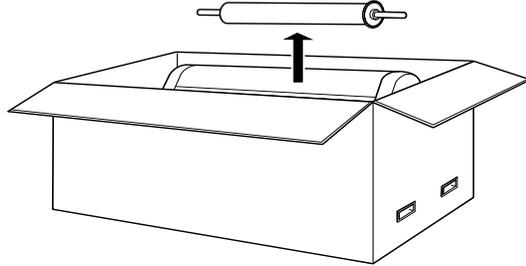
1. Insert the support bar into one of the base sections as shown. Then attach it with two bolts (H) using the included Allen wrench. (Leave the bolts a little loose, so that you can adjust the position when you insert the bolts at the other end.)



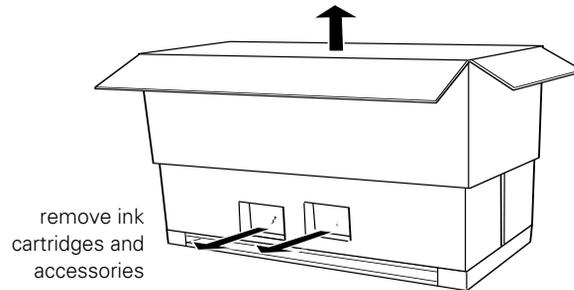
2. Attach the base section to the other end.
3. Tighten all four bolts securely.

Unpacking the Printer

1. Remove the roll paper, polystyrene foam, and cardboard cushions.



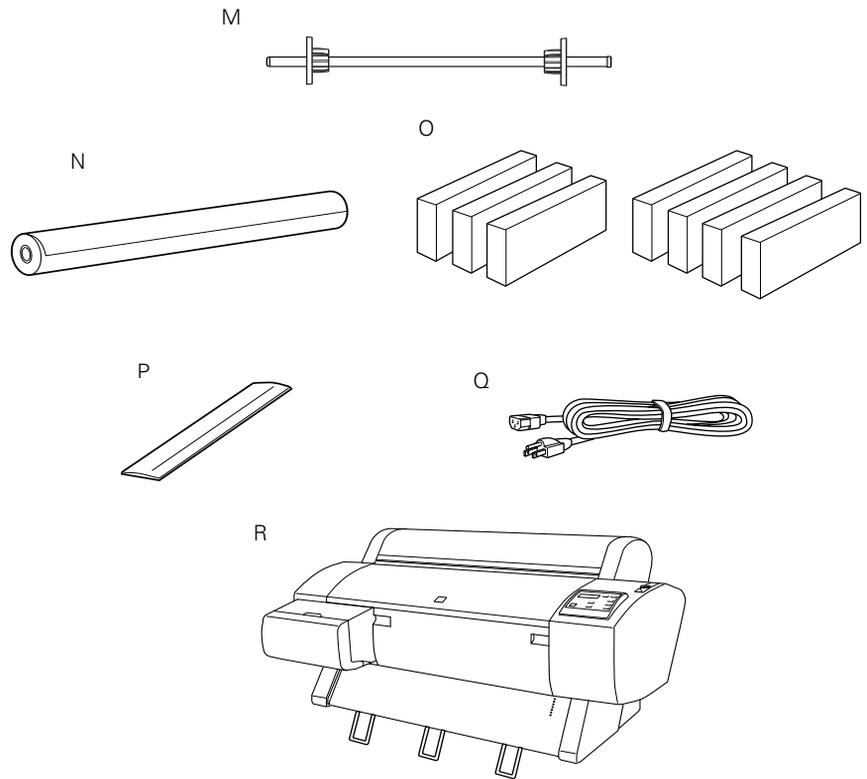
2. Lift the box up and away from the printer. Remove the ink cartridges and other accessories from the side as shown below.



3. Remove the cardboard panels from around the printer.

1-14 | Setting Up the Printer

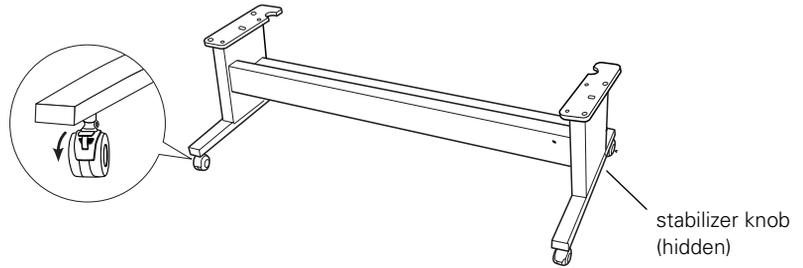
Make sure all these items are included:



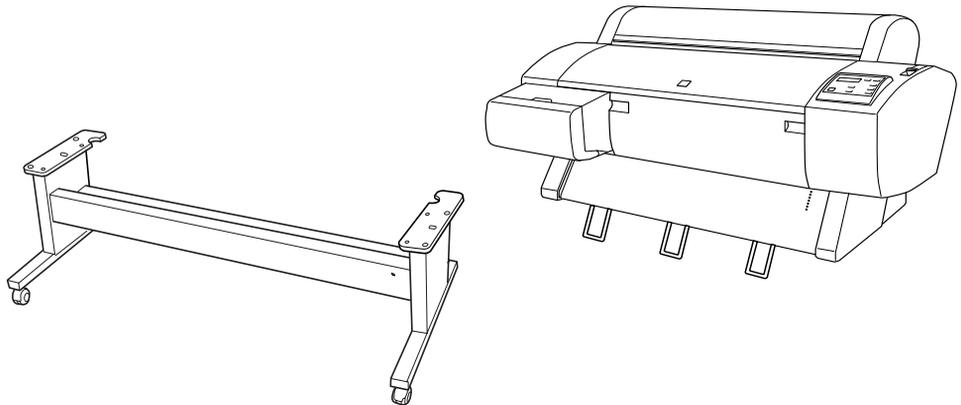
- M: Roll paper spindle
- N: Roll paper (EPSON Doubleweight Matte Paper)
- O: Ink cartridges
- P: Roll paper belt (for keeping roll paper wound up)
- Q: Power cord
- R: Printer

Mounting the Printer on the Stand

1. Lock the two casters to keep the stand from rolling. Then extend the stabilizer knobs.



2. Orient the printer in relation to the stand as shown:

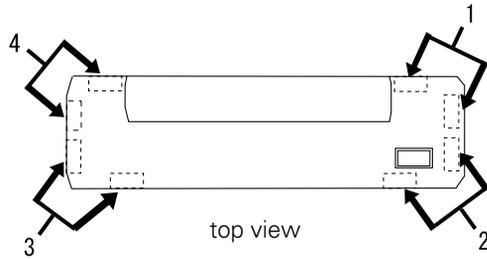
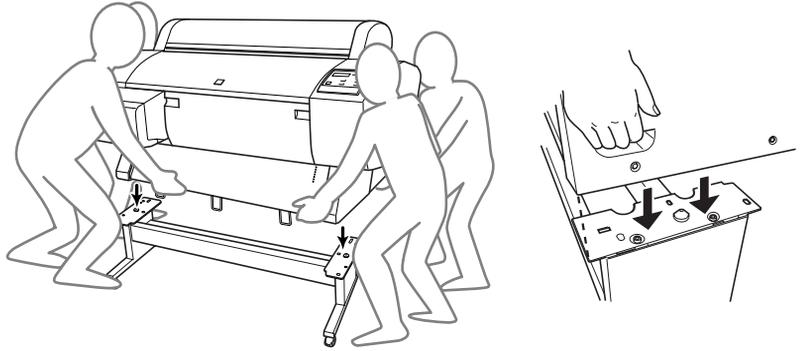


1-16 | Setting Up the Printer

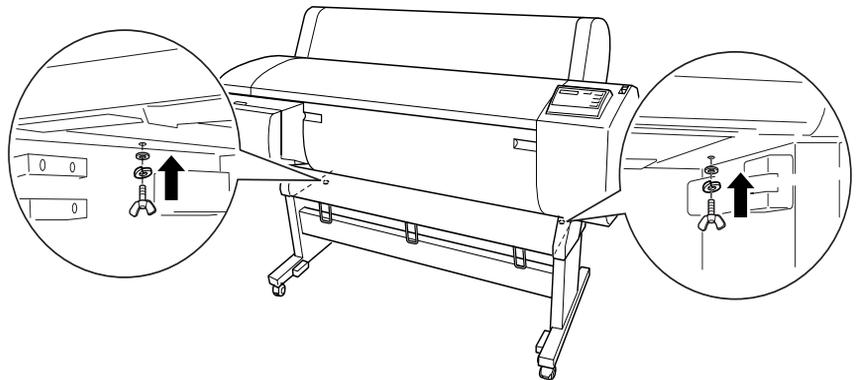
- Using four people, grasp the printer in the four locations as shown, and set the printer on the stand:



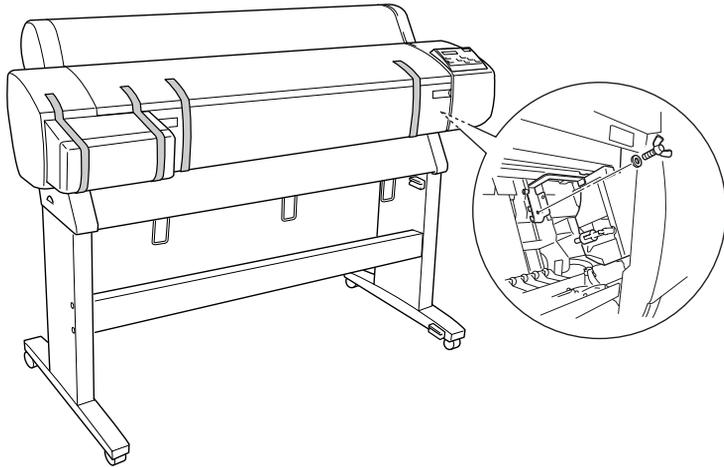
Do not attempt to lift the printer with fewer than four people.



- Fasten the printer to the stand with wing nuts, spring washers, and plain washers (I).



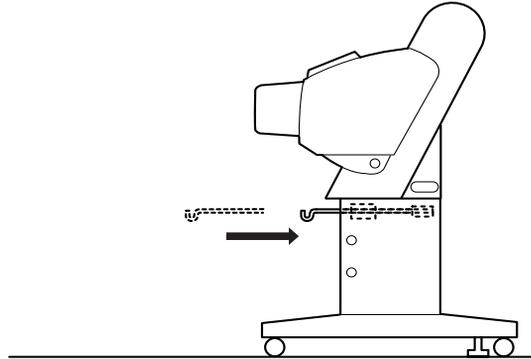
5. Remove any packing tape from the printer. Be sure to check underneath and on the sides.



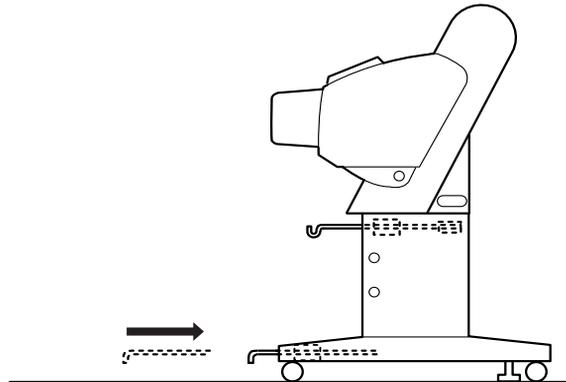
6. Open the front cover and remove the wing screw and washer from the print head, as shown above. Save these parts in case you need to ship the printer.
7. Close the front cover.
8. Raise the stabilizer knobs and unlock the casters. Then move the printer to the place of use. (The casters are meant for moving the printer over only a short distance.) Lock the casters and extend the stabilizer knobs after moving.

Attaching the Basket

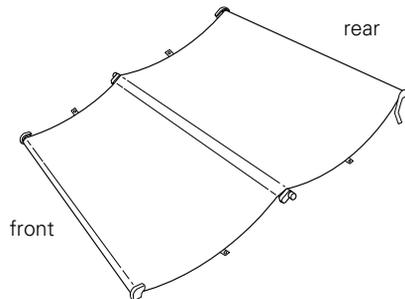
1. Attach the short basket hooks to the upper guides:



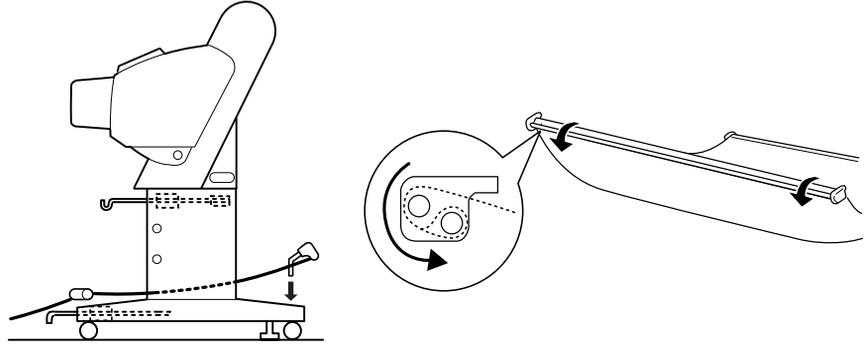
2. Attach the long basket hooks to the lower guides:



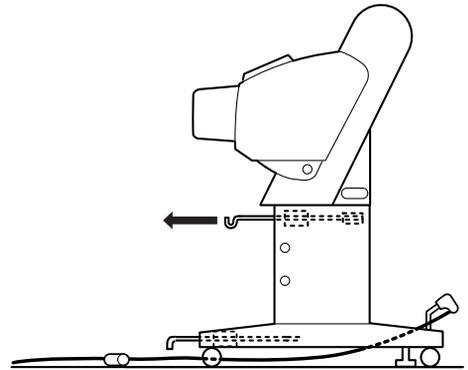
3. Turn the basket so its seams face downward, and spread it on the floor.



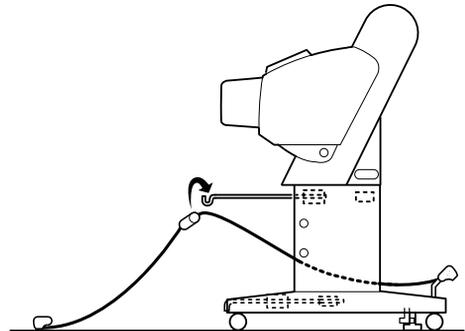
4. Pass the basket's rear bar to the back of the printer. Rotate the bar one revolution so that the fabric folds around the bar. Then insert the plastic pins into the stand as shown.



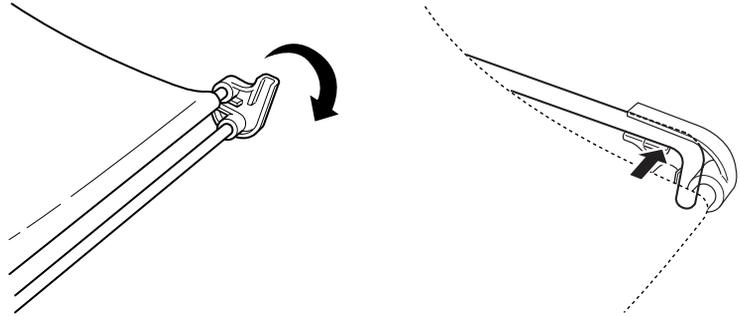
5. Slide out the upper basket hooks to their full length.



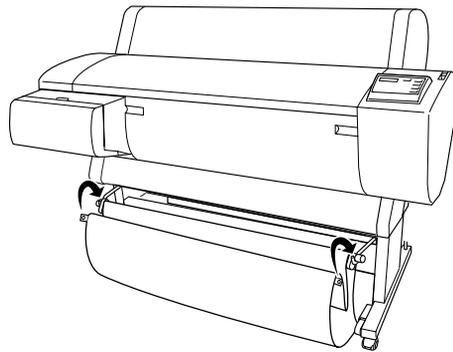
6. Hook the middle bar of the basket as shown.



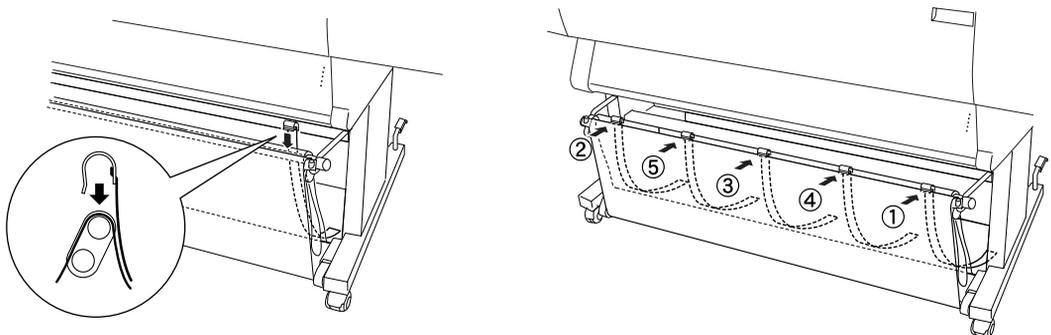
7. Hold the front bar and turn it one revolution. Then attach the lower basket hooks to the connectors.



8. Push the upper and lower basket hooks back in.
9. Hook the basket rings to take up the slack.



10. Hook the paper supports so they hang along the inside of the basket. Install them in the order indicated below.

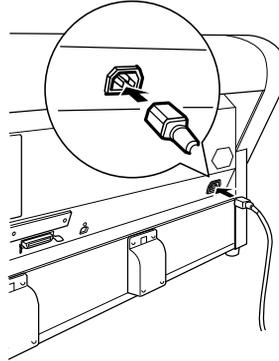




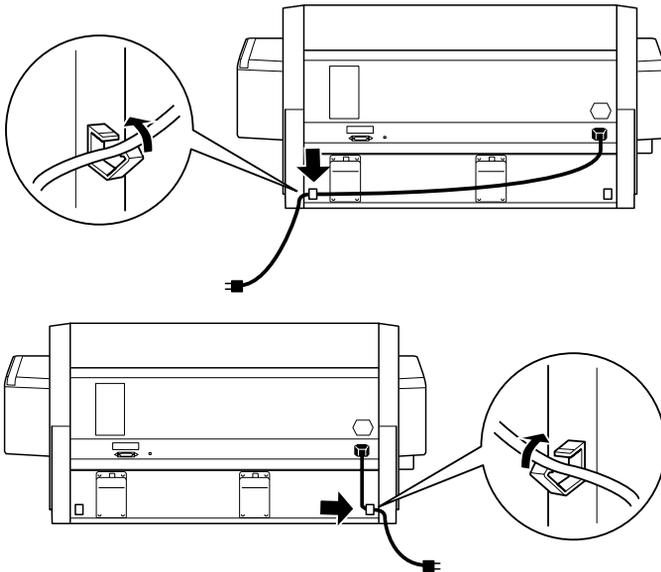
Do not use an outlet that is controlled by an automatic timer or wall switch. Otherwise, you may accidentally shut off the printer and cause damage.

Connecting the Power Cord

1. Connect the power cord to the AC inlet on the back of the printer.



2. Route the power cord through one of the hooks on the left or right side as shown.



3. Plug the power cord into a properly grounded electrical outlet.



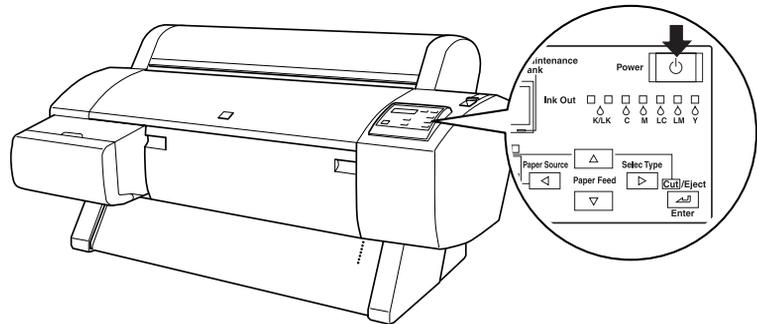
The ink cartridges that came with your printer include a special chip that causes the printer to initialize as the correct ink model. Make sure you install these cartridges when you set up the printer.

Installing the Ink Cartridges

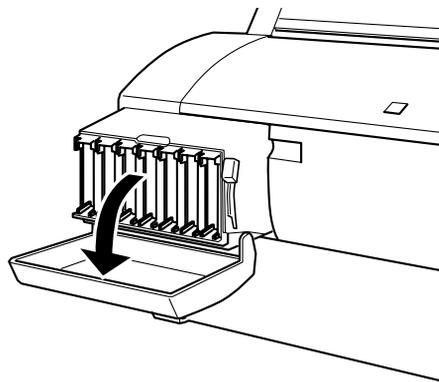
It's important that the first ink cartridges you install be the ones that came with the printer. The chips on these cartridges are programmed to cause the printer to initialize as the correct ink model: EPSON UltraChrome™ ink or EPSON Photographic Dye™ ink.

Before you begin, make sure the printer is plugged into a grounded outlet. Follow these steps to install the cartridges:

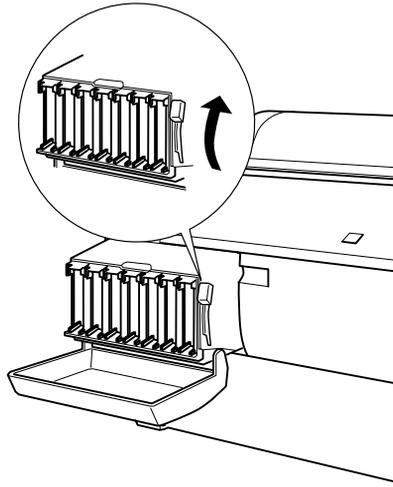
1. Press the  Power button on the control panel to turn the printer on.



2. Open the ink compartment cover.



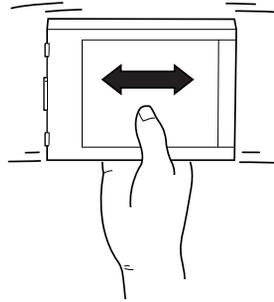
3. Raise the ink lever to the unlocked position.



4. Locate the ink cartridges that came with the printer.
5. Remove each cartridge from its packaging. If you're using EPSON UltraChrome ink, gently shake each cartridge before installing it.



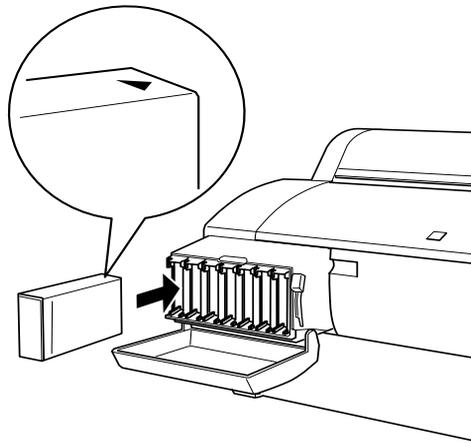
If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water.





If you can't insert the cartridge smoothly, you may have the wrong cartridge.

6. Install the ink cartridges in the printer. Hold each cartridge with the arrow mark pointing toward the printer. Insert it until the corresponding **Ink Out** light turns off on the control panel.
 - Photographic Dye ink users: insert the black ink cartridges in the first two slots on the left.
 - UltraChrome ink users: install the Photo Black cartridge in the first slot on the left, then install the Light Black cartridge in the second slot.



Never turn off the printer or change the position of the ink lever while the **Pause** light is flashing.

7. After installing all the cartridges, lower the ink lever to the locked position and close the ink compartment cover.

The printer begins charging the ink delivery system and the **Pause** light flashes. This takes about 10 minutes. **Do not turn off the printer or interrupt this process, or you'll use more ink than necessary.**

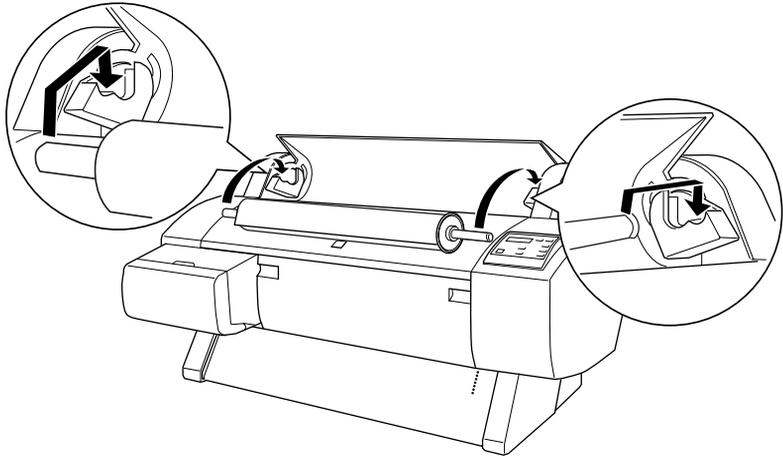
When the **Pause** light stops flashing and **Paper Out** appears on the control panel, you're ready to load the roll paper.

Loading Roll Paper

Before you begin, locate the roll paper that came with your printer and remove it from its protective packaging. The paper should already be loaded on the spindle. (If it isn't, see "Loading the Paper onto the Spindle" on page 2-8.)

Follow these steps to place the paper in the printer:

1. Open the roll paper cover.
2. Place the roll paper in the printer as shown. (The white end of the spindle goes on the right.)

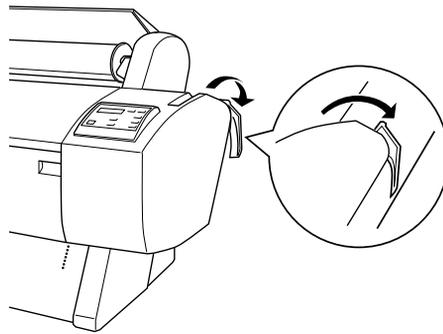


Note

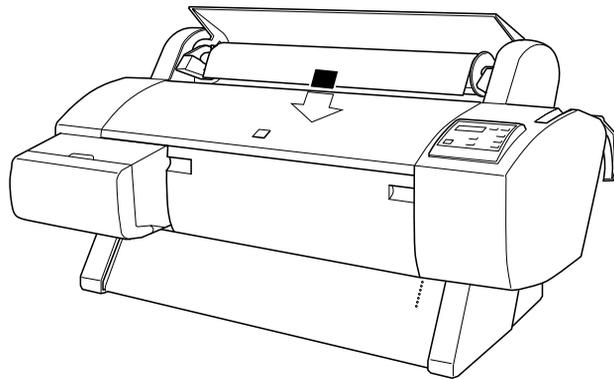
To avoid feeding excess paper, make sure you don't select **Sheet** when you're using roll paper.

3. Make sure the printer is turned on, then press the **Paper Source** button until the **Roll Auto Cut** light comes on.

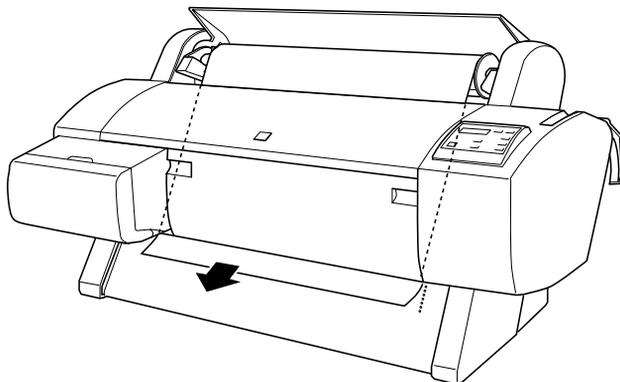
4. Move the paper lever back to the released position.



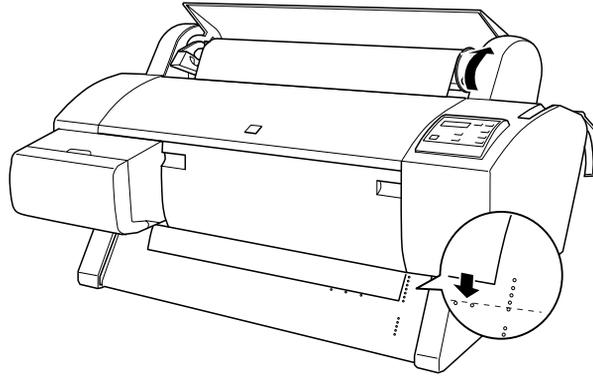
5. Feed the paper into the slot.



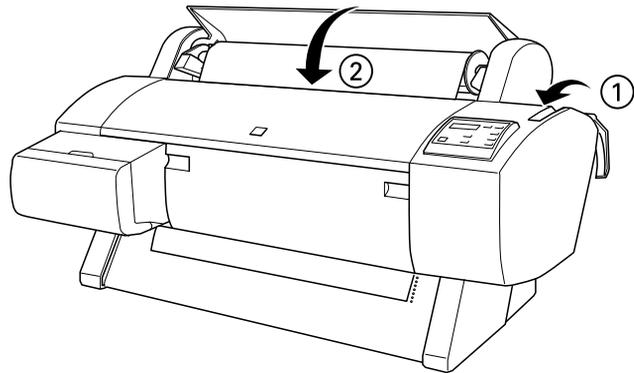
6. Pull the paper down so it extends all the way through the slot.



7. Turn the roll back to remove any slack. Then align the bottom edge of the paper with the row of holes, as shown.



8. Pull the paper lever forward to the locked position, then close the roll paper cover.



9. Press the **Pause** button (or wait for 5 seconds). The paper feeds into the printing position automatically and **READY** appears on the control panel.

Connecting the Printer to Your Computer



The optional FireWire card allows multiple printers to be daisy-chained to your system, and can keep them all running at the full speed of the print engine.

EPSON's optional Ethernet card keeps your printer running at full speed, limited only by the bandwidth of your network. To provide adequate bandwidth, you need a *switched* 100 Mbit hub on your network.

Depending on your system, you can connect the printer to your computer using any of the following:

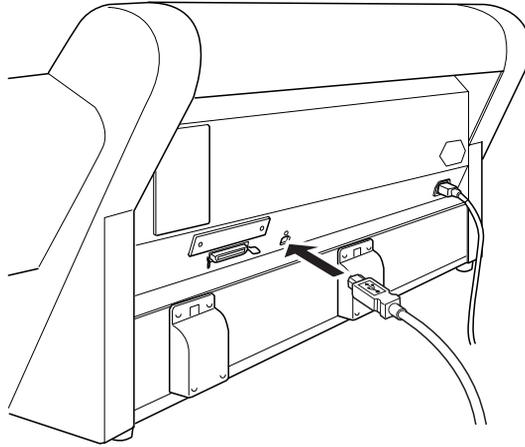
- USB interface—for Windows 98, Me, 2000, XP, and Macintosh (see page 1-29)
- Parallel interface—for Windows (see page 1-30)
- Optional IEEE 1394 FireWire interface card—for Windows Me, 2000, XP, and Macintosh (see page 1-31)
- Optional 10/100 BaseT Ethernet interface card—network connectivity for all systems (see page 1-31)

In some cases, it may be to your advantage to use an optional interface card instead of the built-in port (see note to the left). If you choose to purchase an optional interface card, see page 2 for ordering information.

Connecting to the USB Port

To connect the printer to a USB port, you need a standard shielded USB cable. Follow the steps below to connect the printer to your computer:

1. Make sure both the printer and your computer are turned off.
2. Connect the  square end of the USB cable to the USB port on the back of your printer.



Note



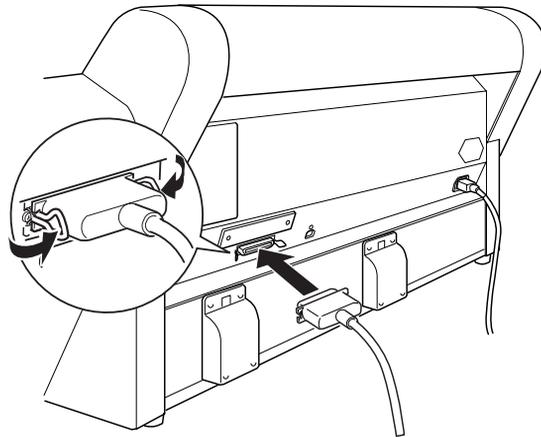
If the printer doesn't work when you attach it to a first tier USB hub port, connect it directly to the USB port on your computer.

3. Connect the  flat end of the USB cable to your computer's USB port or a first tier USB hub port.

Connecting to the Parallel Port (Windows Only)

To use the printer's built-in parallel interface, you need a shielded, bidirectional, parallel cable. Follow the steps below to connect the printer to your computer:

1. Make sure both the printer and your computer are turned off.
2. Plug the cable connector securely into the printer's interface. Then squeeze the wire clips together until they lock into place on both sides.



3. Plug the other end of the cable into the computer's parallel port.

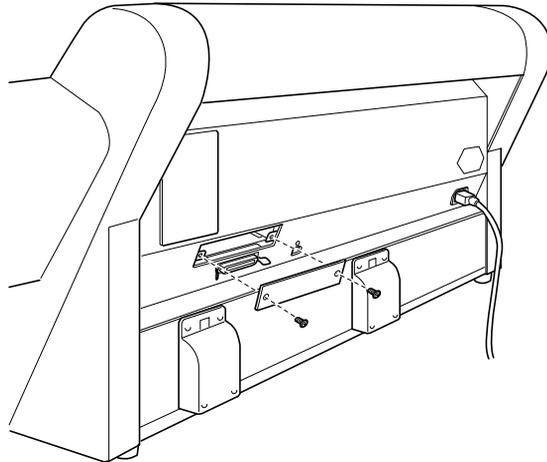
Installing and Connecting to an Optional Interface Card

To connect the printer to an optional FireWire or Ethernet card, you first need to install the card in your printer. You also need the appropriate cable. Follow the steps below.



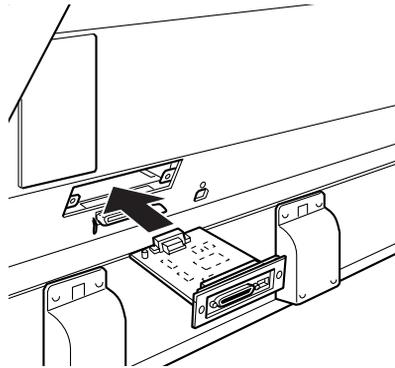
You *must* unplug the printer from the power outlet, or you may damage the printer and the card.

1. Turn off your computer and your printer.
2. **IMPORTANT:** Unplug the printer from its electrical outlet. Not doing so may cause damage to the printer and the card.
3. Disconnect any interface cables from the printer.
4. Remove the two screws and take off the cover as shown:

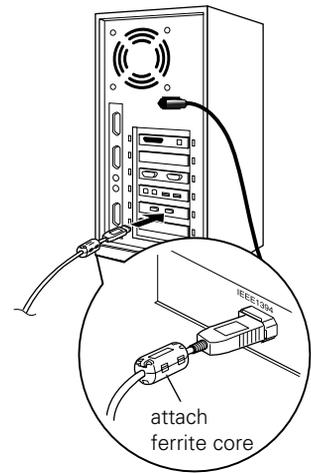


5. Set the DIP switches and jumpers on the card, if necessary. See the manual that came with the card for details.

6. Insert the interface card as shown, then secure it with the two screws.



7. Connect one end of the appropriate cable to the card. Then connect the other end to your computer's FireWire port or Ethernet port or hub.
8. If you're using FireWire, attach the ferrite core included with your printer to the cable as shown.



If you've installed an Ethernet card, you can find more information on setting up your printer in the *Reference Guide* included on the CD-ROM that came with the printer. See "Setting Up Your Printer on a Network" in the Printing with Windows or Printing with Macintosh section of the *Reference Guide*.



Turn off all virus protection programs before you install your printer software.

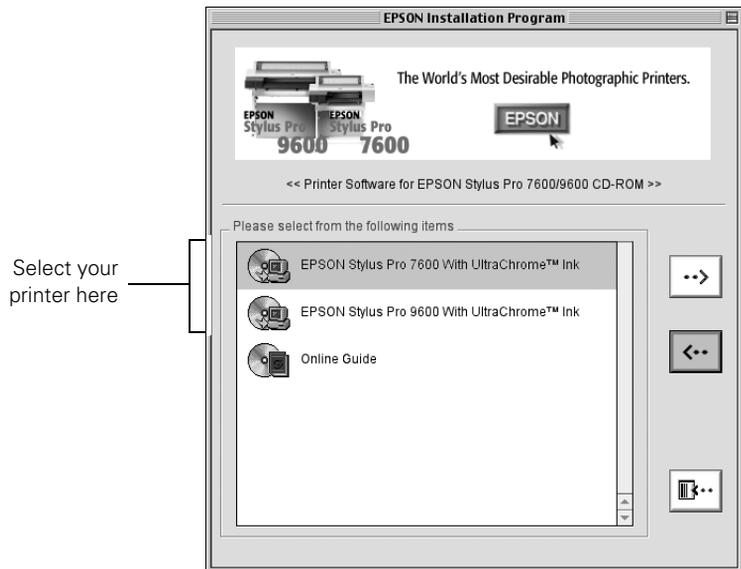
Installing the Printer Software

Follow the steps below (for Macintosh) or on page 1-35 (for Windows) to install your printer software.

Installing the Printer Software for Macintosh

After connecting the printer to your Macintosh, you need to install the printer driver and utilities included on your printer software CD-ROM. Follow these steps:

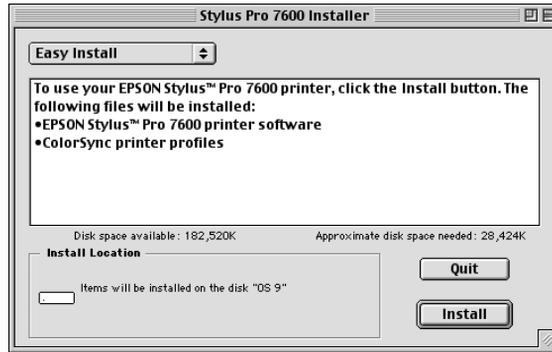
1. Turn on your Macintosh and your printer.
2. Insert the printer software CD-ROM in your computer. If necessary, double-click the EPSON CD-ROM to open its window.
3. Double-click the  icon.
4. Double-click the menu option for your printer. The screen may display more options than are shown below. Be sure to select the correct model and ink type—UltraChrome or Photographic Dye—for your printer.



5. At the first screen, click **Continue**.

6. Read the license agreement and click **Accept**.

The following dialog box appears:



7. Click the **Install** button, then click **Continue** on the next screen.
8. Follow the instructions to install your software and select a default paper size. When you see a message informing you that installation is complete, click **Restart** to restart your Macintosh.
9. After your Macintosh restarts, select **Chooser** from the Apple menu.

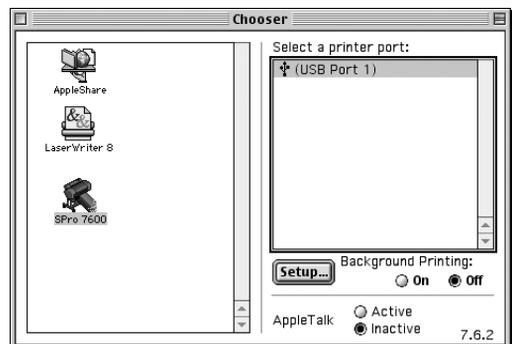
If you're going to be sharing the printer on an AppleTalk® network, skip ahead to “Running a Nozzle Check” on page 1-37.



Note

If you're on an AppleTalk network and the AppleTalk setting in the Chooser is **Active**, you may see an alert message when you click the USB port icon. Make the AppleTalk setting **Inactive**, then select the USB port icon. If you're using your Macintosh in an Ethernet environment, you can leave the AppleTalk setting **Active**.

10. Click the icon for your printer, then click the printer port icon.
11. Select the appropriate **Background Printing** radio button to turn background printing on or off.



With background printing on, you can use your Macintosh while it's preparing a document for printing, and use the EPSON Monitor3 utility to manage print jobs.

12. Close the Chooser, then go to “Running a Nozzle Check” on page 1-37.

Installing Printer Software for Windows



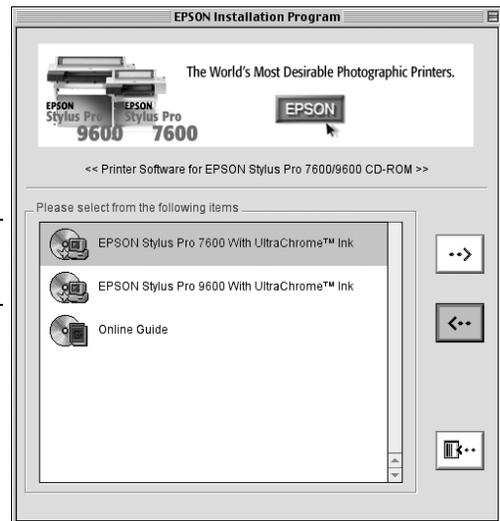
Note

If you've installed a FireWire or Ethernet card, you may see additional screens as Windows installs the drivers for your card.

After connecting the printer to your computer, you need to install the printer driver and utilities on your printer software CD-ROM. Follow these steps:

1. Make sure your printer is turned off.
2. Turn on your computer and start Windows.
3. Insert the printer software CD-ROM in your computer. The installer starts automatically. If it doesn't start, double-click **My Computer** or click **Start > My Computer**. Then double-click your CD-ROM icon.
4. Double-click the menu option for your printer. The screen may display more options than are shown below. Be sure to select the correct model and ink type—UltraChrome or Photographic Dye—for your printer.

Select your
printer here



5. **Windows XP:** If you see a message that the software you are installing hasn't passed Windows Logo testing, click **Continue Anyway**.

If you see this message again during installation, be sure to click **Continue Anyway**.



If you're connecting with a parallel cable or Ethernet card, do *not* turn on your printer when you see a window telling you to do so. Instead, wait until the **Stop Searching** button appears. Then click the button and go to step 7.

When installation is complete, the port setting defaults to LPT1 (parallel port). If you're using an Ethernet card, you'll have to reconfigure the port setting. See your electronic *Reference Guide* for details.

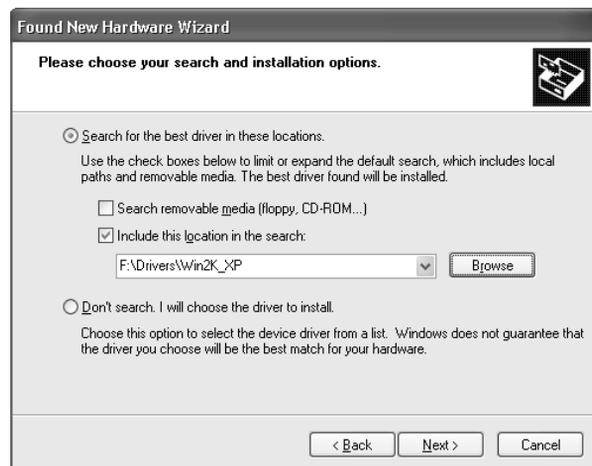
- If you're connecting with a parallel cable or network interface card, see the note at left. Otherwise, follow the instructions below for your operating system.

Windows 95 or NT: Turn on your printer and go to step 7.

Windows 98, Me, or 2000: When you see a window asking you to turn on your printer, press the  **Power** button. Then go to step 7.

Windows XP:

- When you see a window asking you to turn on your printer, press the  **Power** button.
- If you see a message that your printer is not connected properly, ignore it (do not click **Retry** or **Cancel**). If necessary, drag the window to the side.
- Wait until you see the Found New Hardware Wizard for the Stylus Pro 7600 or 9600. This may take a minute or two.
- Once the Found New Hardware Wizard appears, click **Install from a list or specific location**, then click **Next**.
- Locate the **Drivers\Win2K_XP** folder on your CD-ROM drive, as shown below. Then click **Next**.



- When you see a message informing you that installation is complete, click **OK** or **Finish**. If asked to do so, restart your computer.
- If any screens remain open or continue to open, close them to exit.

Running a Nozzle Check

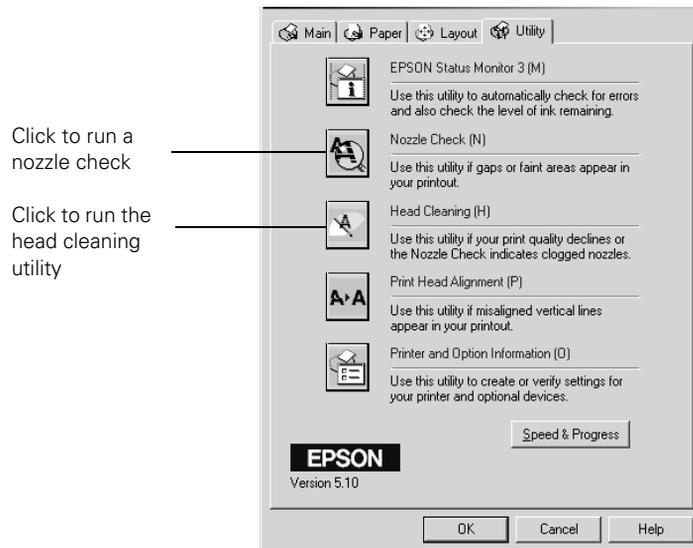
The nozzle check prints a pattern of dots that lets you see if any print head nozzles are clogged. Follow the steps below to print a nozzle check from your printer software (this also lets you verify that your printer is connected and working properly).



Use the paper that came with your printer for printing the nozzle check. That way, you can save your higher-quality paper for actual print jobs.

1. Make sure the printer is turned on and the paper that came with your printer is loaded.
2. Do one of the following:
 - **Macintosh:** Click the  utility button.
 - **Windows:** Click **Start**, point to **Settings**, and select **Printers**. Right-click your printer icon, and then select **Properties** (Windows 95, 98, or Me), **Document Defaults** (Windows NT) or **Printing Preferences** (Windows 2000). Then click the **Utility** tab.
 - **Windows XP:** Click **Start** and select **Control Panel**. Double-click **Printers and Other Hardware**, then double-click **Printers and Faxes**. Right-click your printer icon and select **Printing Preferences**. Then click the **Utility** tab.

You see the Utility menu:





If the nozzle check fails to print, turn off the printer and make sure the interface cable is securely plugged in.

If it still fails to print, check the control panel for any error messages and contact your dealer, or contact EPSON as described on page 3.

3. Click the **Nozzle Check** button and follow the instructions on the screen to print a nozzle check pattern.
4. Examine the nozzle check pattern. The pattern should be complete, with no missing dots or gaps in the pattern:



5. If the pattern is complete, click **Finish** and close the Utility menu, then continue on to “Aligning the Print Head” on page 1-39.
6. If the pattern is missing any dots, as shown below, click **Clean** and follow the instructions on screen to clean the print head. Cleaning takes about 60 seconds, during which the printer makes some noise and the **Pause** light flashes.



7. When the **Pause** light goes off, make sure paper is loaded in the printer, then:

Macintosh: Click **Confirmation**, then click **Next**.

Windows: Click **Print Nozzle Check Pattern**, then click **Print**.

The nozzle check pattern prints.

8. If the nozzle check pattern is complete, click **Finish**.

If the pattern is still missing dots, click **Clean** to clean the print head again. It may take several cleaning cycles to clean the print head fully.

If the lines on the pattern are still missing dots after several cleaning cycles, turn the printer off and leave it overnight, then clean the print head again the following morning. If you still see no improvement, contact EPSON for assistance.

Aligning the Print Head

Before using the printer, you should align the print head to ensure accurate, clean printouts. Make sure you've run a nozzle check, as described on page 1-37, before you begin. If the print nozzles are clogged, the alignment patterns won't print correctly and your print head alignment won't be accurate.



Use the paper that came with your printer for printing the alignment pattern. That way, you'll save your higher-quality paper for actual print jobs.

1. Make sure the printer is turned on. Then load roll paper that is at least 24 inches wide (you can use the roll paper that came with your printer).
2. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
3. Press **▲** so you see **HEAD ALIGNMENT**, then press **▶**. You see **PAPER THKNS**.
4. Press **▶** so that ***STD** appears on the display. This is the correct thickness setting for most EPSON papers. If you'll be printing on one of the papers listed below after completing the alignment, use the **▲** and **▼** buttons to select the appropriate thickness setting for that paper.

Thickness setting	Paper type
3N	For EPSON Premium Glossy Photo Paper (250) and Premium Semimatte Photo Paper (250)
0N	For film
0.0 to 1.6 mm	For non-EPSON media



If you're performing a **BI-D ALL** adjustment, it's important to perform the **UNI-D ALL** adjustment first.

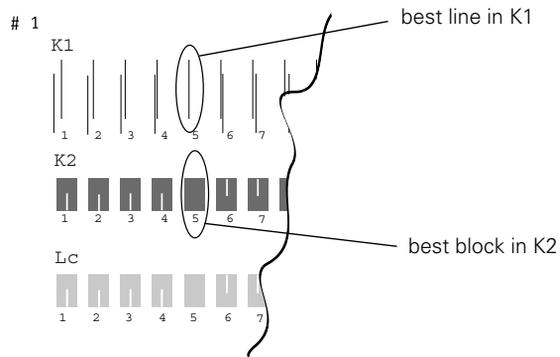
5. Press **Enter**.
6. Press the **▼** button to select the mode you want to perform the adjustment in (**BI-D BLACK**, **BI-D ALL**, or **UNI-D ALL**).

If you'll be printing non-photographic images with black ink only, select **BI-D BLACK**. Otherwise, perform a **UNI-D ALL** adjustment, followed by **BI-D ALL**.
7. Press the **Enter** button to print the alignment patterns.



You must use at least a 10x eye loupe to check the pattern.

8. Once the patterns are done printing, examine the first row (K1) in group #1. You see a pattern similar to that shown below (the drawing shows only part of the pattern). Use your own eye loupe or the one that came with the printer to determine which line looks the best. In this example, the middle line (numbered 5 on the printout) is the best.



If number 5 (the current alignment setting) shows the smallest gaps for all patterns, the print head is aligned. Press **Pause** to exit the head alignment.

9. Use the ▲ and ▼ buttons to select the best line.
10. Press **Enter**.
11. Examine the black set of blocks (K2) in group #1. Select the block with the smallest gap, then press **Enter**.
12. Repeat this process for each of the other patterns, when prompted.

If number 5 (the current alignment setting) shows the smallest gap for each pattern, the print head is aligned and you can press **Pause** to exit the adjustment. You may have to repeat the alignment more than once to ensure that number 5 is the best choice for each pattern.
13. When done, press **Pause** to exit the head alignment.

If you performed a UNI-D ALL adjustment, be sure to repeat the alignment for BI-D ALL.

Chapter 2: Handling Paper and Other Media

The EPSON Stylus Pro 7600 and 9600 print on a variety of media, including roll paper and cut sheets up to 44 inches wide (for the Stylus Pro 9600) or 24 inches wide (for the Stylus Pro 7600). You can also use heavy stock, including posterboard up to 59 mil (1.5 mm) thick.

This chapter includes the following information:

- Selecting media for your printer
- Printing on EPSON media
- Using roll paper
- Printing on cut sheet paper and posterboard
- Using the paper basket
- Changing the settings for non-EPSON paper

Selecting Media For Your Printer

You can print on most types of coated, glossy, plain paper, and other media. A high-tension spindle is also available for printing on certain media such as EPSON Synthetic Paper, Smooth Fine Art Paper, and Textured Fine Art Paper; this prevents the paper from unwinding during use.

The following table shows the allowable sizes of paper you can use:

Stylus Pro 7600/9600 allowable paper sizes

	Roll paper	Cut sheets
Size (Stylus Pro 9600)	8.3 to 44.0 in. wide (210 to 1118 mm)	8.5 × 11 in. up to 44 in. wide
Size (Stylus Pro 7600)	8.3 to 24.0 in. wide (210 to 610 mm)	8.5 × 11 in. up to 24 in. wide
Maximum external roll diameter	2 in. core: 4 in. (103 mm) 3 in. core: 6 in. (150 mm)	—
Thickness	3.15 to 19.7 mil (0.8 to 0.5 mm)	3.15 to 59 mil (0.8 to 1.5 mm)



You can purchase additional roll paper spindles and other accessories or options from the EPSON Pro Graphics web site (<http://prographics.epson.com>) or your authorized EPSON dealer.

Always test samples of paper stock in the printer before purchasing large quantities or printing large jobs. When you use non-EPSON paper or other media, you may need to “profile” their thickness and adjust various settings. See page 2-23 for instructions.

Printing on EPSON Media

EPSON papers, which are specially designed for the inks used in the printer, ensure high-quality results. The following tables list the product codes for the EPSON media available for your printer.



Check the EPSON Pro Graphics web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

Stylus Pro 7600/9600 Photographic Dye ink model

Paper type	Roll sizes	Sheet sizes
Premium Glossy Photo Paper (250)	8.3-inch roll: S041376	11" × 17": S041290
	13-inch roll: S041378	11.7" × 16.5": S041288
	24-inch roll: S041638	13" × 19": S041289
	36-inch roll: S041639	
	44-inch roll: S041640	
Premium Luster Photo Paper	10-inch roll: S041644	8.3" × 11.7": S041602
	20-inch roll: S041645	11.7" × 16.5": S041406
	24-inch roll: S041461	13" × 19": S041604
	36-inch roll: S041462	
	44-inch roll: S041463	
Premium Semigloss Photo Paper	—	8.3" × 11.7": S041331 13" × 19": S041327
Premium Semimatte Photo Paper (250)	24-inch roll: S041655	—
	36-inch roll: S041656	
	44-inch roll: S041657	
Photo Paper	13-inch roll: S041233	8.3" 11.7": S041141, S041271, S041272 8.3" × 11.7": S041140 11.7" × 16.5": S041142 11" × 17": S041156 13" × 19": S041143 8.3" × 23.4" (Panoramic): S041145
Photo Glossy Paper	24-inch roll: SP91021	—
	36-inch roll: SP91001	
	44-inch roll: SP91002	

Stylus Pro 7600/9600 Photographic Dye ink model (continued)

Paper type	Roll sizes	Sheet sizes
Photo Semigloss Paper	24-inch roll: SP91022 36-inch roll: SP91003 44-inch roll: SP91004	—
Photo Quality Ink Jet Paper	—	11" × 17": S041070 13" × 19": S041069 16.5" × 23.4": S041079 17" × 22": S041171 16.5" × 49.21' (Banner): S041102
ColorLife™ Photo Paper Semigloss	24-inch roll: S041664 44-inch roll: S041666	—
Presentation Matte Paper	24-inch roll: S041295 36-inch roll: S041221 44-inch roll: S041220	—
Doubleweight Matte Paper	24-inch roll: S041385 36-inch roll: S041386 44-inch roll: S041387	—
Enhanced Matte Paper	24-inch roll: S041595 36-inch roll: S041596 44-inch roll: S041597	8.3" × 11.7": S041603 13" × 19": S041605
Matte Paper - Heavyweight	—	8.3" × 11.7": S041257 11.7" × 16.5": S041260 13" × 19": S041263
Enhanced Matte Posterboard	—	24" × 30": S041598 30" × 40": S041599
EPSON Proofing Paper Commercial Semimatte	13-inch roll: S041668 24-inch roll: S041658 36-inch roll: S041659 44-inch roll: S041660	—
Glossy Paper Heavyweight	24-inch roll: S041291 36-inch roll: S041227 44-inch roll: S041226	—

2-4 | Handling Paper and Other Media

Stylus Pro 7600/9600 Photographic Dye ink model (continued)

Paper type	Roll sizes	Sheet sizes
Semigloss Paper Heavyweight	24-inch roll: S041292 36-inch roll: S041229 44-inch roll: S041228	—
Posterboard Semigloss	—	20.25" × 28.75": S041237 28" × 40": S041236
Backlight Film	24-inch roll: S041482 36-inch roll: S041483 44-inch roll: S041484	—



Check the EPSON Pro Graphics web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

Stylus Pro 7600/9600 UltraChrome ink model

Paper type	Roll sizes	Sheet sizes
Premium Glossy Photo Paper (250)	8.3-inch roll: S041376	11" × 17": S041290
	13-inch roll: S041378	11.7" × 16.5": S041288
	24-inch roll: S041638	13" × 19": S041289
	36-inch roll: S041639	
	44-inch roll: S041640	
Premium Luster Photo Paper	10-inch roll: S041644	8.3" × 11.7": S041602
	20-inch roll: S041645	11.7" × 16.5": S041406
	24-inch roll: S041461	13" × 19": S041604
	36-inch roll: S041462	
	44-inch roll: S041463	
Premium Semigloss Photo Paper	—	8.3" × 11.7": S041331 13" × 19": S041327
Premium Semimatte Photo Paper (250)	24-inch roll: S041655	—
	36-inch roll: S041656	
	44-inch roll: S041657	
Photo Glossy Paper	44-inch roll: SP91002	—
	36-inch roll: SP91001	
	24-inch roll: SP91021	
Photo Semigloss Paper	44-inch roll: SP91004	—
	36-inch roll: SP91003	
	24-inch roll: SP91022	
Doubleweight Matte Paper	44-inch roll: S041387	—
	36-inch roll: S041386	
	24-inch roll: S041385	
Enhanced Matte Paper	24-inch roll: S041595	8.3" × 11.7": S041603
	36-inch roll: S041596	13" × 19": S041605
	44-inch roll: S041597	
Enhanced Matte Posterboard	—	24" × 30": S041598 30" × 40": S041599
EPSON Proofing Paper Commercial Semimatte	13-inch roll: S041668	—
	24-inch roll: S041658	
	36-inch roll: S041659	
	44-inch roll: S041660	
Glossy Paper - Photo Weight	44-inch roll: S041389	13" × 19": S041456
	22-inch roll: S041388	
Watercolor Paper - Radiant White	—	13" × 19": S041351

2-6 | Handling Paper and Other Media

Stylus Pro 7600/9600 UltraChrome ink model (continued)

Paper type	Roll sizes	Sheet sizes
EPSON Velvet Fine Art Paper*	—	8.5" × 11": S041636 13" × 19": S041637
Somerset Velvet for EPSON Fine Art Paper	24-inch roll: SP91203 44-inch roll: SP91204	24" × 30": SP91200 36" × 44": SP91201 44" × 60": SP91202
Smooth Fine Art Paper*	24-inch roll: S041431 36-inch roll: S041432 44-inch roll: S041433	24" × 30": S041434 36" × 44": S041435
Textured Fine Art Paper*	24-inch roll: S041447 36-inch roll: S041448 44-inch roll: S041449	24" × 30": S041450 36" × 44": S041451
Synthetic Paper*	24-inch roll: S041399 36-inch roll: S041400 44-inch roll: S041401	—
Adhesive Synthetic Paper*	24-inch roll: S041402 36-inch roll: S041403 44-inch roll: S041404	—
Adhesive Vinyl	24-inch roll: S041436 36-inch roll: S041437 44-inch roll: S041438	—
Backlight Film	24-inch roll: S041482 36-inch roll: S041483 44-inch roll: S041484	—
Tyvek® Brillion™	24-inch roll: S041494 36-inch roll: S041495 44-inch roll: S041496	—
Canvas	24-inch roll: S041531 36-inch roll: S041532 44-inch roll: S041533	—

* Requires optional high-tension spindle

Guidelines for Using EPSON Papers

Follow these guidelines, as well as those included in your paper package, when printing on EPSON paper and other media:

- Avoid touching the printable surface with your bare hands. Fingerprints may affect print quality. Handle media by the edges or use cotton gloves.
- Always choose the correct Media Type setting in your printer software before you send your job. See page 3-8 (Macintosh) or page 4-4 (Windows) for instructions.
- Always select the correct paper source (roll or sheet) in both the printer software and on the printer's control panel. See page 3-2 (Macintosh) or page 4-6 (Windows) for instructions on selecting the paper source in your printer software.
- Keep unused media in its original packaging and store it in a cool, dry place to maintain quality. Avoid storing your printouts where they will be exposed to high temperature, humidity, or direct sunlight.

Using Roll Paper

You can use any roll paper with a 2- or 3-inch core, up to 44 inches wide (Stylus Pro 9600) or 24 inches wide (Stylus Pro 7600). Manually switching from one paper roll to another is a simple process.

For instructions on attaching roll paper to a spindle and loading it in the printer, see page 1-25 through 1-27. This section covers the following:

- Guidelines for using roll paper
- Using the roll paper belts
- Removing paper from the spindle
- Switching between 2-inch and 3-inch roll paper
- Cutting paper manually with the built-in cutter
- Printing trim lines

Guidelines for Using Roll Paper

When printing on roll paper, be sure to follow the media handling guidelines on page 2-7, as well as these special guidelines for roll paper:

- To keep the paper from unrolling when you're not using it, wrap one of the roll paper belts around the paper (see page 2-12).
- When storing roll paper, keep it in its original packaging—including the bag, end caps, and box.
- To avoid feeding excess paper, make sure the **Sheet** light on the control panel is off. Press the **Paper Source** button until one of the **Roll** lights comes on:

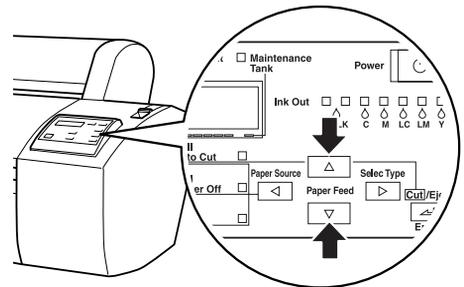


Note

The settings you choose in your printer software always override any control panel settings.

- Choose **Roll Auto Cut** if you want the paper to be cut automatically after each page is printed.
- Choose **Roll Cutter Off** if you're printing on canvas, vinyl, posterboard, or other heavy media. Media that is too thick may damage the cutter. Also choose this setting if you're using the optional auto take-up reel, or if you want to print a series of pages and keep them together for later cutting.

- If you're loading heavy paper, you may need to increase the suction strength by pressing the ▲ button. This helps hold the paper in place during loading and printing.



For lightweight paper, decrease the suction by pressing the ▼ button.



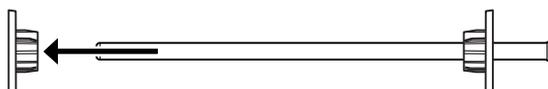
Note

The spindle accommodates both 2-inch and 3-inch roll paper cores. To switch between different size cores, see page 2-13.

Loading the Paper onto the Spindle

Follow these steps to attach the roll to the spindle:

1. Slide the movable paper stop (flange) off the left end of the spindle.

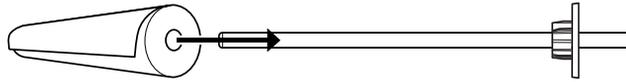




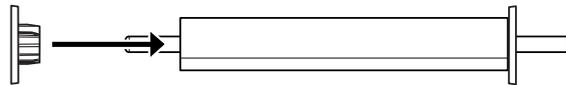
Note

Avoid touching the printable surface of the paper as much as possible. Oils from your skin can affect print quality.

2. Position the roll so the paper unwinds as shown, then slide it onto the spindle:



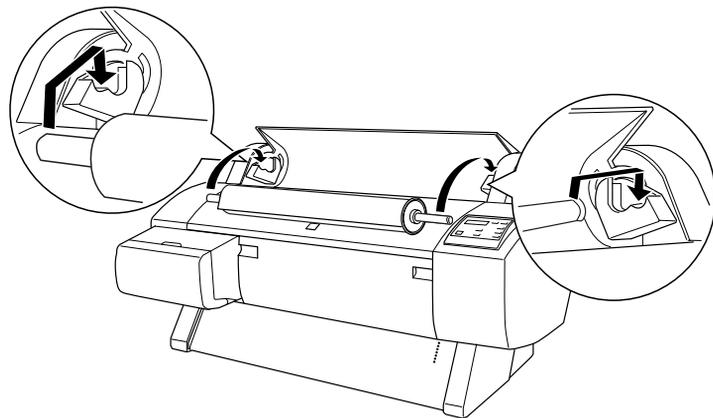
3. Slide the movable paper stop back onto the spindle and insert it into the end of the roll. Make sure it is firmly fixed into the left end of the paper roll.



Placing the Paper in the Printer

Follow these steps to place the paper in the printer:

1. Open the roll paper cover.
2. Place the roll paper in the printer as shown. (The white end of the spindle goes on the right.)

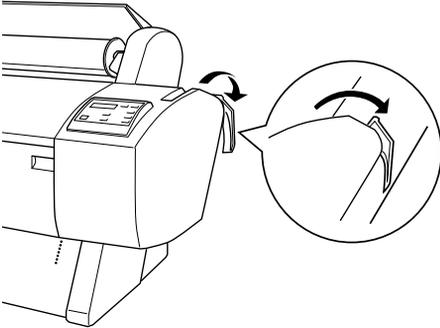


Note

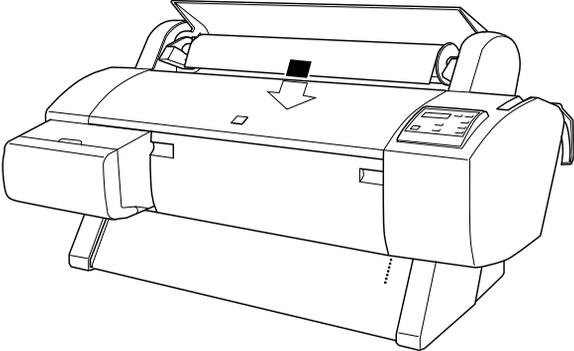
To avoid feeding excess paper, make sure you don't select **Sheet** when you're using roll paper.

3. Make sure the printer is turned on, then press the **Paper Source** button until the **Roll Auto Cut** light comes on.

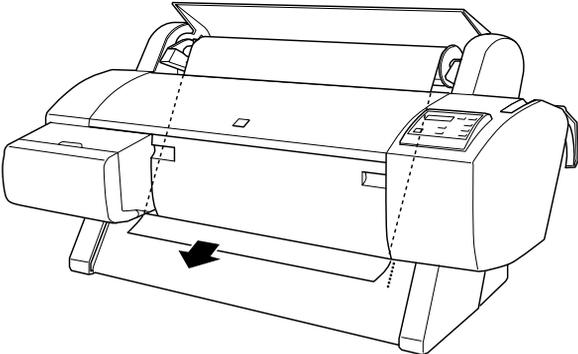
4. Move the paper lever to the released position.



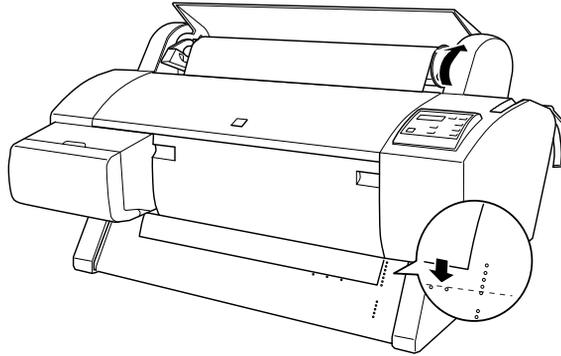
5. Feed the paper into the slot.



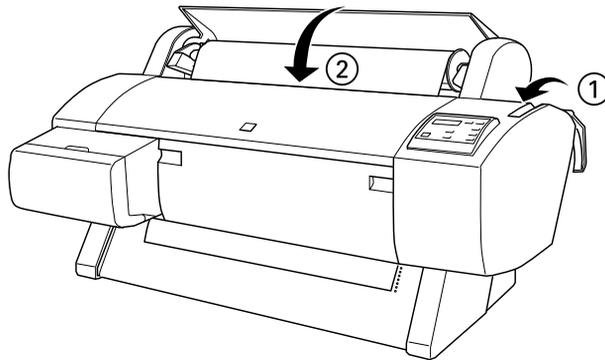
6. Pull the paper down so it extends all the way through the slot.



7. Turn the roll back to remove any slack. Then align the bottom edge of the paper with the row of holes, as shown.



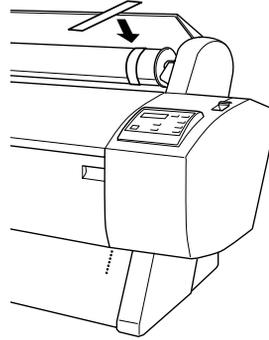
8. Return the paper lever to the locked position, then close the roll paper cover.



9. Press the **Pause** button (or wait for 5 seconds). The paper feeds into the printing position automatically and **READY** appears on the control panel.

Using the Roll Paper Belt

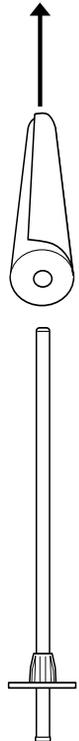
To keep the paper wound when you're not printing, use the roll paper belt included with your printer.



Removing Paper from the Spindle

If you need to remove the paper roll from the spindle, follow these steps:

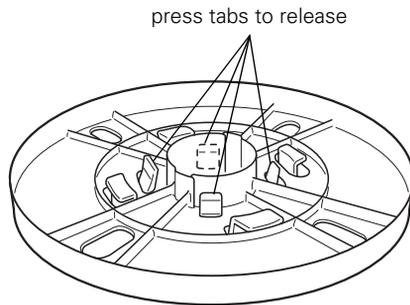
1. Open the roll paper cover.
2. If the roll paper is loaded for printing, push the paper lever back to the released position, then roll up the paper before removing it. To keep the paper from unwinding, place the belt (described in the previous section) around the roll paper.
3. Remove the roll paper and spindle from the printer.
4. Set the spindle upright, with the white end on the floor and the black end at the top.
5. Slide the black paper stop off the top of the spindle.
6. Remove the roll paper from the spindle.



Switching Between 2-Inch and 3-Inch Roll Paper

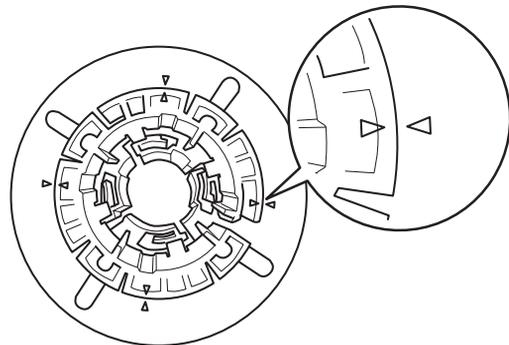
You can convert the spindle to accept roll paper with either a 2-inch or 3-inch core. When the blue adapters are attached at each end, you can use 3-inch rolls. Follow these steps to remove the blue adapters for using 2-inch roll paper:

1. Remove the black paper stop from the end of the spindle.
2. Press toward the center on the four tabs shown below to release the blue adapter from the paper stop.



3. Remove the blue adapter from the white paper stop at the other end of the spindle.

If you need to re-attach the blue adapters to use 3-inch roll paper, align the arrow marks shown below and press the adapters on until they lock in place.





An optional media cutter is available for cutting thick media. See page 2 for details on ordering it.

Cutting Paper Manually with the Built-in Cutter

When you're not using the Auto Cut setting, you need to cut the paper manually after your print job is finished. If you're printing on canvas, vinyl, or other heavy media, you should use scissors or the optional media cutter rather than the built-in cutter. Heavy media can damage the built-in cutter.

Follow these steps to cut manually with the built-in cutter:

1. If the paper is not positioned correctly, press one of the **Paper Feed** buttons to adjust the paper position. Normally, you don't need to do this after a print job is finished.
2. Press the **Paper Source** button until the **Roll Auto Cut** light comes on.
3. Press the **Cut/Eject** button. The paper is cut.

Printing Trim Lines

You can print trim lines on the right edge of your pages (if you're using Auto Cut) or on the right and bottom edge (if you're not using Auto Cut). Follow these steps:

1. Press the **SelecType** button. **PRINTER SETUP** appears on the display.
2. Press the **▶** button so that **PLATEN GAP** appears.
3. Press the **▼** button so that **PAGE LINE** appears.
4. Press the **▶** button. ***OFF** is displayed as the current setting.
5. Press the **▼** button so that **ON** appears.
6. Press the **Enter** button to save this as the new setting. (An asterisk appears next to ***ON**.)
7. Press the **Pause** button to exit the menu.

You can also specify trim lines from your printer driver software. See page 3-3 (Macintosh) or page 4-7 (Windows) for more information.



The maximum length of roll paper you can print on is not limited by the printer, but may be limited by your application software.

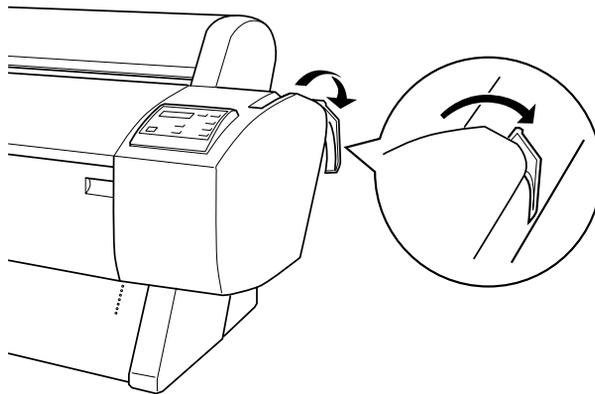
Using Cut Sheet Paper

You can print on many types of cut sheet paper and other media. The Stylus Pro 9600 accepts sheets ranging from letter-size (8.5 × 11 inches) to 44 inches wide. The Stylus Pro 7600 accepts sheets up to 24 inches wide. You can leave your roll paper in the printer when you print on cut sheets; make sure it is rolled up and fastened with the roll paper belt, as described on page 2-12.

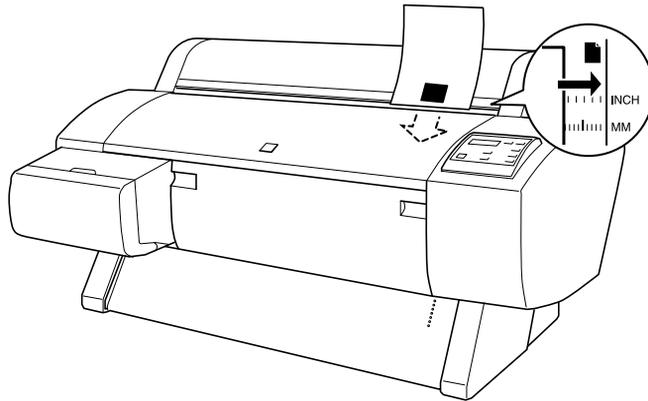
If you're using stock greater than 19 mil (0.5 mm) thick, load it as described on page 2-17.

Follow these steps to load cut sheets:

1. Make sure the printer is on and the roll paper cover is closed.
2. Press the **Paper Source** button until the **Sheet** light comes on.
3. Push the paper lever back to the released position.



4. Feed the sheet into the paper slot. Make sure the right edge of the paper is straight and aligned with the scale on the roll paper cover.

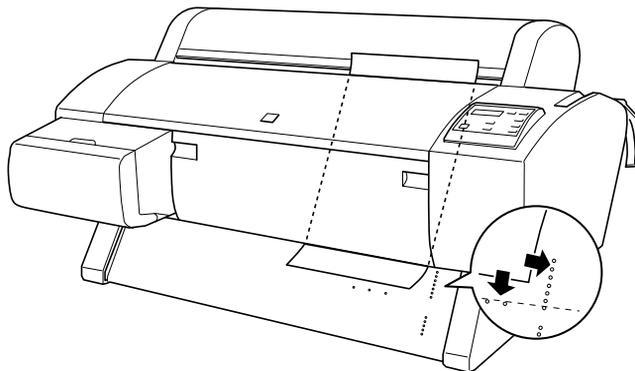


Note

For heavy paper, you may need to increase the suction strength by pressing the ▲ button. This helps hold the paper in place during loading and printing.

For lightweight paper, decrease the suction by pressing the ▼ button.

For a larger sheet of paper, feed it so that it comes out below. Then align the edges of the sheet with the rows of holes as shown.



Caution

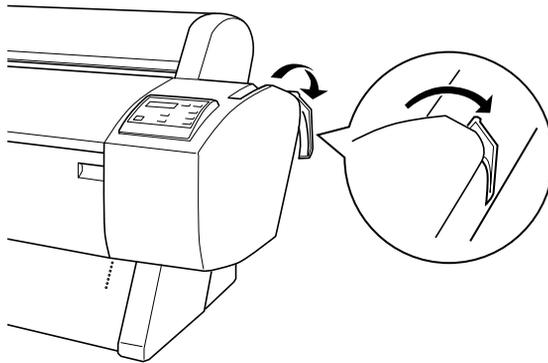
To avoid damaging the printer, never move the paper lever during printing, or while the **Operate** or **Pause** light is flashing .

5. Pull the paper lever forward, to the secured position.
6. Press the **Pause** button (or simply wait for 5 seconds). The sheet feeds into the printing position automatically and **READY** appears on the control panel.
7. Print your page. After it is finished, the sheet stays in the printer.
8. To remove your print, press the **Paper Feed ▼** button.

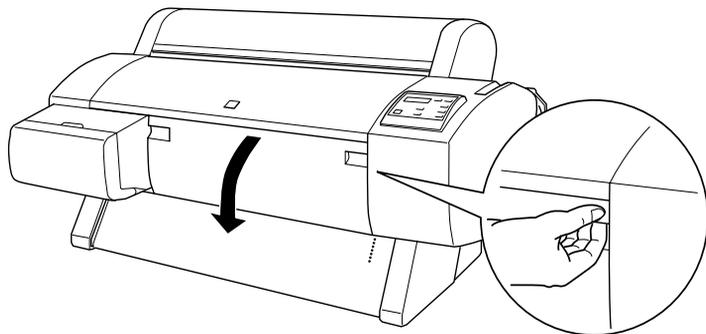
Printing on Posterboard

You can print on heavy stock up to 30 × 40 inches, such as EPSON Enhanced Matte Posterboard. Follow these instructions when you print on posterboard or other media more than 19 mil (0.5 mm) thick.

1. Set the paper basket to catch your printouts in front of the printer. See page 2-20 for instructions.
2. Make sure no other paper is loaded for printing. You may leave roll paper in the printer, but wind it up fully and secure it with the roll paper belt (page 2-12).
3. Press the **Paper Source** button until the **Sheet** light comes on.
4. Push the paper lever back to the released position.



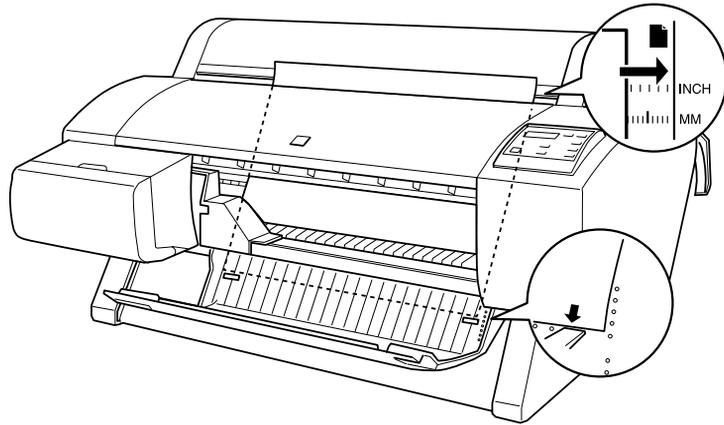
5. Open the front cover. (The cover has special tabs that act as paper supports when the cover is open.)



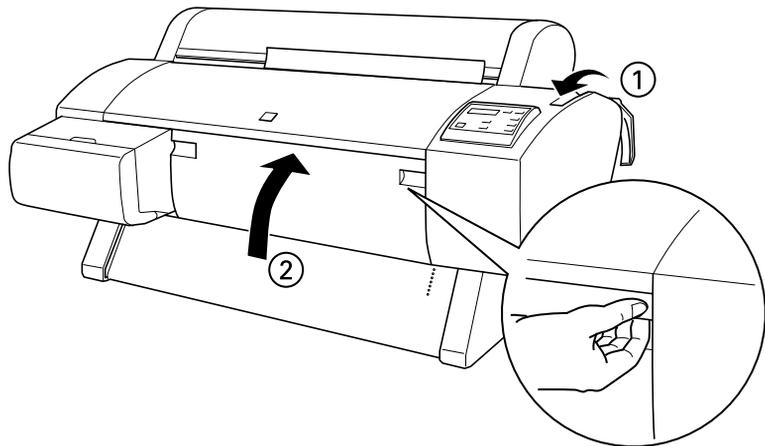


If you're using stock more than 39 inches long, load it long edge first (in landscape orientation).

6. Feed the posterboard into the paper slot until it meets resistance.
7. Align the board with the scale on the roll paper cover.



8. Pull the paper lever forward, to the secured position. Then close the front cover.



9. Press the **Pause** button (or wait for 5 seconds). The board feeds into printing position automatically and **READY** appears on the control panel.



To avoid damaging the printer, never move the paper lever while the **Operate** or **Pause** light is flashing.

10. Run your print job. After it is finished, the posterboard stays in the printer.
11. To remove the print, hold it while pushing the paper lever back to the released position.

Adjusting the Platen Gap for Thick or Thin Paper

When you print on unusually thick or thin paper, you may need to adjust the platen gap setting. Normally, the **STANDARD** setting allows the printer to adjust automatically. However, if print quality is not satisfactory when using very thin or very thick stock, you may need to change this setting. Follow these steps:

1. Press the **SelecType** button so that **PRINTER SETUP** appears on the display.
2. Press the **▶** button twice. The display shows the current setting for the platen gap.
3. Use the **▲** and **▼** buttons to change the setting. (**STANDARD** is the default setting; you can also choose **NARROW**, **WIDE**, or **WIDER**.)
4. Press the **Enter** button to save the new setting.
5. Press the **Pause** button to exit the menu.

If you've selected a non-standard platen gap, the letter **N** or **W** appears in the corner of the display to remind you of the narrow or wide setting. When you switch media, don't forget to change the setting back to **STANDARD**.

If you're printing on non-EPSON media, you may also need to create a paper profile to optimize your results. See page 2-23.



When you print on posterboard, set the basket to catch printouts in front of the printer.

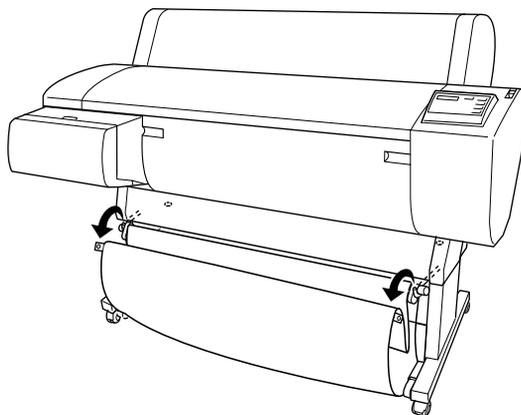
Using the Paper Basket

The paper basket attaches to your Stylus Pro 9600 and catches your printouts as they come out. (If you've bought the optional stand for the Stylus Pro 7600, it has a basket too.) The basket keeps your printouts from getting dirty or scratched. You can set it up either to catch the paper under the printer or in front of the printer.

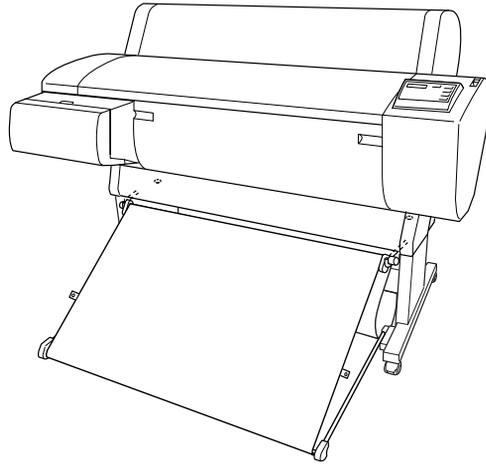
Catching Printouts in Front of the Printer

Follow these steps to set up the basket in front of the printer:

1. Unhook the basket rings from the metal rods, if they're hooked.



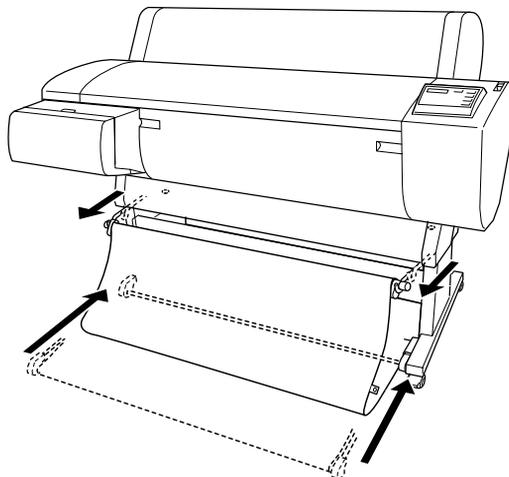
2. Slide the upper metal rods all the way in. Then fully extend the lower rods, so that they rest on the floor.



3. Make sure the surface of the basket is taut. If there is any slack, the paper may not slide properly to the floor.

Catching Printouts Under the Printer

To catch printouts under the printer, extend the upper metal rods all the way out. Then push the lower rods all the way in.



Optimizing the Settings for Your Paper

When you choose a media type in your EPSON printer software, the driver automatically determines the best settings for your paper. However, you may want to fine-tune how the printer handles various papers—especially if you use non-EPSON paper or a paper not supported by the driver. Use the paper configuration settings described below. If you're printing on unusually thick or thin paper, you may also need to adjust the platen gap; if so, you should do that first (see page 2-19).



It's a good idea to keep a list describing your paper profiles.

When adjusting the paper settings, you can have them affect all your print jobs; or you can create a special profile, or group of settings, for each paper type (up to ten types) and select the desired profile whenever you print on a particular stock.

Adjusting the Paper Settings

To change paper settings and have them affect all your print jobs, follow the steps below. If you want to create a profile for a specific paper type, see “Creating and Selecting Paper Profiles” on page 2-23.

1. Press the **SelecType** button, then press the ▼ button until **PAPER CONFIG** appears on the display.
2. Press the ► button.
3. Use the ▲ and ▼ buttons to select one of the following menu options, then press the ► button:

Menu option	Function
PAPER NUMBER	Lets you create a paper profile; see page 2-23.
CUT PRESSURE	Decreases the cutting blade pressure for thinner papers. Provides a cleaner cut.
CUT METHOD	Lets you choose between a 3-step and 4-step cutting method. For more exact cuts on thicker or thinner paper, choose 4-step.
PPR FEED ADJUSTMENT	Lets you eliminate light or dark bands when printing at high speeds (720 dpi or less).

6. Examine the printed pattern for the most evenly overlapping lines. In the example shown above, the lines under number 4 are the most even.
7. Use the ▲ and ▼ buttons to display the selected line number, then press **Enter** to save your new setting.
8. The menu options shown below appear in sequence. Make any adjustments, as needed, and press **Enter** to save each setting.

The following settings are available:

Paper Configuration settings

CUT PRESSURE	Decreases the cutting blade pressure for thinner papers. Provides a cleaner cut.
CUT METHOD	Lets you choose between a 3-step and 4-step cutting method. For more exact cuts on thicker or thinner paper, choose 4-step.
PPR FEED ADJUSTMENT	Lets you eliminate light or dark bands when printing at high speeds (720 dpi or less). When set to 0, the EPSON driver adjusts the paper feed automatically.
DRYING TIME	Use when printing with non-EPSON media. You can make the print head wait up to 5 seconds after each pass to allow ink to dry on the page.
SUCTION	Lets you decrease the paper suction level when printing on thinner papers (less than 12 lb), such as CAD drafting paper or backlight film.
PRINT ADJ	Adjusts the intensity of the MicroWeave pattern. Improves print quality but lowers printing speed.

9. When done, press the **Pause** button.

Once you have created a paper profile, you can select it whenever you print on that paper:

1. Press the **SelecType** button, then press the ▼ button until **PAPER CONFIG** appears on the display.
2. Press the ► button so that **PAPER NUMBER** appears.
3. Press the ► button.

4. Use the ▲ and ▼ buttons to select the paper profile you want to use (1 to 10).

Or, if you want to return to using standard EPSON paper, select **STD**.

5. Press **Enter**.
6. Press the **Pause** button to exit the menu.

When you're done printing with a custom profile, be sure to change the setting back to **STD**.

Chapter 3: Printing with EPSON Drivers for Macintosh

Your EPSON Stylus Pro 7600 or 9600 comes with drivers and utilities that let you print and manage print jobs in non-PostScript® mode without a RIP. ICC profiles for ColorSync® 3.x are included, so you can use advanced color management features from your applications or the driver itself.

The driver CD-ROM also includes an electronic *Reference Guide* to your printer and EPSON printer software. You can read the guide using a web browser, such as Netscape Navigator or Microsoft Internet Explorer, versions 3.0 or later.

This chapter includes the following information:

- Choosing page setup options
- Choosing basic print options
- Choosing advanced print options
- Managing print jobs
- Checking printer status



Many application settings override the printer's page setup options. Always verify settings to get the results you expect.

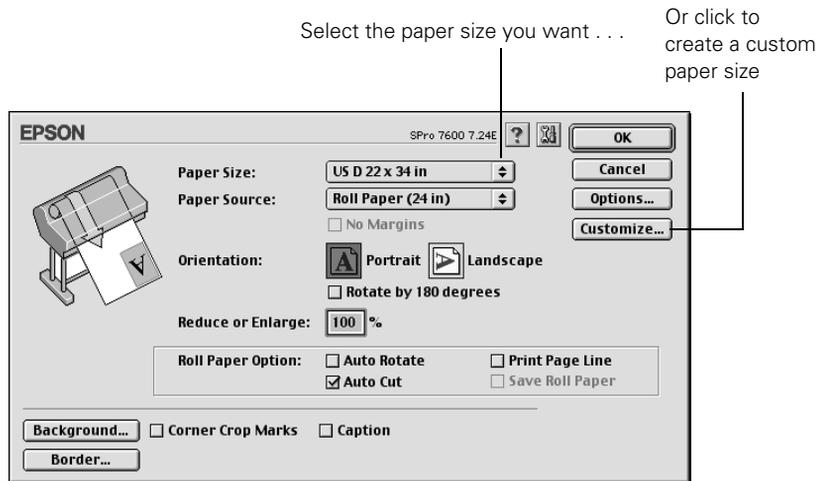
If you need more information about print options, click the ? button on any dialog box.

Creating a custom paper size lets you make the best use of roll paper. You can also use the customize dialog box to change the margins on your paper.

Choosing Page Setup Options

Many of the page setup options correspond to paper handling features that you can also set through the control panel. Software options give you additional settings and override control panel settings. Follow these steps to choose page setup options:

1. Start an application, open a file, and choose **Page Setup** from your application's File menu. You see the page setup dialog box:



2. Select the **Paper Size** you want, based on the size of your image. If you prefer a custom paper size, click **Customize** and enter the size (inches or centimeters).



Don't select **Landscape** unless you want to rotate your image 90°.



These settings override settings made through the control panel.



For best print quality along the upper edge of your printout, EPSON recommends using one of the following papers:

- Premium Glossy Photo Paper (250)
- Premium Semimatte Photo Paper (250)
- Premium Luster Photo Paper

Note that you can't print without borders when using Photographic Dye ink at 2880 dpi.

3. Select the type of paper you loaded (**Roll Paper** or **Sheet**) from the **Paper Source** list.

If your image is more than 90.5 inches long, select **Roll Paper (Banner)**. You can also use this setting to print a series of continuous images without any "margin space" between them.

4. If you're using roll paper, you can set the following options:
 - **Auto Rotate**
Saves paper if your document length is shorter than the printable width of the paper roll. Your image is rotated automatically by 90 degrees and printed crosswise.
 - **Auto Cut**
Choose this option if you want the paper to be cut automatically after each page is printed (not available for thicker media types).
 - **Print Page Line**
Prints trim lines on the right and bottom edges of your pages.
 - **Save Roll Paper**
Saves paper by not feeding the blank portion of the last page of your document. Available only when you've selected **Roll Paper (Banner)** as the Paper Source.
5. Make the settings you want for **Orientation**, **Reduce or Enlarge**, and **Printable Area** (available when **Paper Source** is set to **Sheet**).
6. After making your settings, click **OK**.

Printing Without Margins

You can select **BorderFree™** printing when printing on paper with the following widths:

- 8 to 8.5 inches
- 10 inches
- 12 inches
- 14 inches
- 16 inches
- 20 inches
- 24 inches
- 36 inches (Stylus Pro 9600 only)
- 44 inches (Stylus Pro 9600 only)

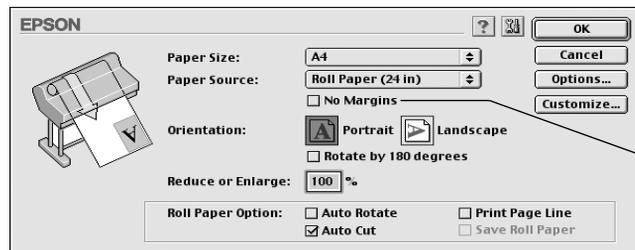
3-4 | Printing with EPSON Drivers for Macintosh

To print without borders on one of the paper sizes listed above, follow these steps :



The **No Margins** setting is not available for some paper sizes.

1. Make sure your image size is at least 1/8 inch larger all around than the size of paper you're printing on. If your application has margin settings, be sure they're turned off.
2. Select **No Margins** in your printer software:



3. On the printer's control panel, press the **SelecType** button to enter the Printer Setup menu.
4. Press the **SelecType** ► button again to open the menu options, then press the ▼ button until **No Margins** is displayed.
5. Press the ► button, then press the ▼ button to select one of these paper cutting options:
 - **L/R ONLY** when printing without left and right margins
 - **1CUT** or **2CUTS** when printing without any margins (**1CUT** causes the images to be printed end-to-end. If you prefer additional space between your images, select **2CUT**. This extends the space between the images and the paper is cut twice inside this space.)
6. Press **Enter** to activate the setting, then press **Pause** to exit the setup mode and return to normal printer operation.
7. Print your image.

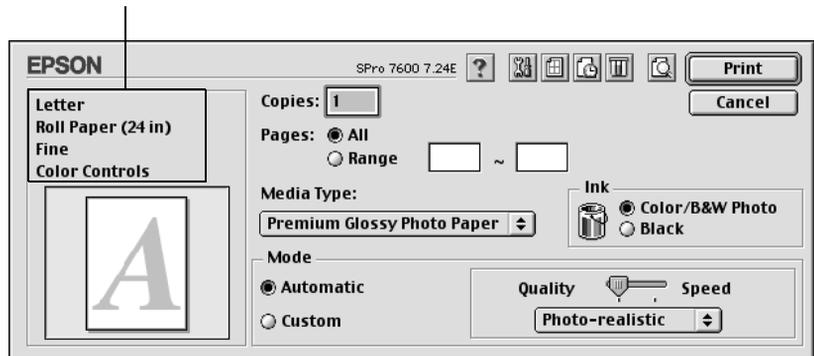
Choosing Basic Print Options

Once you have selected your page setup options, you need to select printing options. The EPSON driver offers automatic settings that optimize print quality and speed when you're using EPSON media. You can also choose advanced settings for more control over your printer and color management options, as described on page 3-10.

Follow these steps to make basic settings:

1. Choose **Print** from the File menu of your application. A dialog box like the following appears:

This area shows the current settings, but you can't change them from here



2. Choose the number of **Copies** and indicate which **Pages** you want to print.
3. Select a **Media Type** setting appropriate for the media you're printing on, as listed in the table on page 3-8 (Photographic Dye ink users) or 3-9 (UltraChrome ink users).
4. For the ink type, select **Color/B&W Photo** if you're printing either a color or black-and-white photo image. Select **Black** only if you're printing line drawings or other non-photographic images.



For professional black-and-white photography, use the **Color/B&W Photo** setting (don't select **Black**). Use a ColorSync workflow for best results.

5. Set the **Mode** option as follows:
 - Click **Automatic** to have the printer driver analyze the contents of your image or file and make the appropriate printing adjustments. If a **Quality/Speed** slider appears in the **Mode** box, set it according to the priorities of your print job. (Depending on the **Media Type** setting, this slider may not appear.)
 - Click **Custom** and then choose one of the print job types from the custom settings list, as described in the next step, or click the **Advanced** button and see “Choosing Advanced Print Options” on page 3-10 for details.
6. Depending on your print mode (**Automatic** or **Custom**), you can select one of the following options from the pull-down menu:

Automatic print mode

Setting	Usage
Photo-realistic	Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness. Corrects for overall under- or over-exposure of the original image.
Vivid	Intensifies colors and lightens the midtones and highlights. Best for print jobs with non-photographic images.

Custom print mode

Setting	Usage
Advanced Photo 2880	For smoothest color tones and highest-quality results.
Advanced Photo	Prevents the misprinting of ink dots that may occur because of the movement of the print head and paper. Available only when you choose photo or photo-quality media types.
Text/Graph	Intensifies colors and lightens the midtones and highlights. Best for print jobs with non-photographic images.
ColorSync	Adjusts colors based on your printer’s ICC profile, using the perceptual rendering intent.



You can also create your own settings and add them to this list. See page 3-12 for more information.

7. Choose from the following buttons to access additional features:
 - Click  to access the printer monitoring and maintenance utilities. See page 3-18 for more information about the Status Monitor utility. See Chapter 6 for details about the maintenance utilities.
 - Click  if you want to reduce your image to fit on the page, or for other layout options.
 - Click  to turn on background printing. This lets you work on your Macintosh while you're printing and use the Monitor3 utility. See page 3-15 for more information.
 - Click  and then click the **Preview** button to preview your print.
 - Click  to check your ink levels.

8. When you're finished choosing print options, click **Print**.

Selecting the Correct Media Type Setting

The tables below list the settings designed to produce the best results on EPSON media when printing with either Photographic Dye ink or UltraChrome ink.

If your EPSON paper is not listed, check the instructions included with the paper, or look on the EPSON web site (<http://prographics.epson.com>). If you are using non-EPSON paper, choose the closest setting. You may have to experiment with different settings to determine which one is best for the media you're using.

Media Type settings for printing with Photographic Dye ink



Check the EPSON web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

Product name	Media Type setting
Premium Glossy Photo Paper (250)	PREMIUM GLOSSY PHOTO PAPER (250)
Premium Luster Photo Paper	PREMIUM LUSTER PHOTO PAPER
Premium Semigloss Photo Paper	PREMIUM SEMIGLOSS PHOTO PAPER
Premium Semimatte Photo Paper (250)	PREMIUM SEMIMATTE PHOTO PAPER (250)
Photo Glossy Paper	PHOTO GLOSSY PAPER
Photo Semigloss Paper	PHOTO SEMIGLOSS PAPER
Doubleweight Matte Paper	DOUBLEWEIGHT MATTE PAPER
Enhanced Matte Paper	ENHANCED MATTE PAPER
Enhanced Matte Posterboard	ENHANCED MATTE POSTER BOARD
EPSON Proofing Paper Commercial Semimatte	PHOTO SEMIGLOSS PAPER
Backlight Film	BACKLIGHT FILM

This table lists the settings to use when printing with UltraChrome ink.



Check the EPSON web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

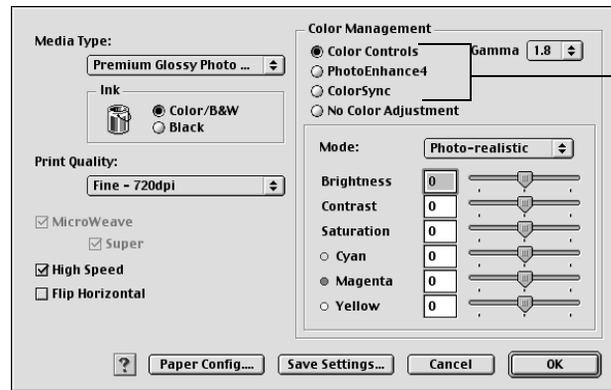
Media Type settings for printing with UltraChrome ink

Paper type	Media Type setting
Premium Glossy Photo Paper (250)	PREMIUM GLOSSY PHOTO PAPER (250)
Premium Luster Photo Paper	PREMIUM LUSTER PHOTO PAPER
Premium Semigloss Photo Paper	PREMIUM SEMIGLOSS PHOTO PAPER
Premium Semimatte Photo Paper (250)	PREMIUM SEMIMATTE PHOTO PAPER (250)
Photo Glossy Paper	PHOTO GLOSSY PAPER
Photo Semigloss Paper	PHOTO SEMIGLOSS PAPER
Doubleweight Matte Paper	DOUBLEWEIGHT MATTE PAPER
Enhanced Matte Paper	ENHANCED MATTE PAPER
Enhanced Matte Posterboard	ENHANCED MATTE POSTER BOARD
EPSON Proofing Paper Commercial Semimatte	PHOTO SEMIGLOSS PAPER
Glossy Paper - Photo Weight	GLOSSY PAPER - PHOTO WEIGHT
Watercolor Paper - Radiant White	WATERCOLOR PAPER - RADIANT WHITE
Somerset Velvet for EPSON Fine Art Paper	ENHANCED MATTE PAPER (roll) or ENHANCED MATTE POSTER BOARD (sheet)
Smooth Fine Art Paper	SMOOTH FINE ART PAPER
Textured Fine Art Paper	TEXTURED FINE ART PAPER
Synthetic Paper	ENHANCED SYNTHETIC PAPER
Adhesive Synthetic Paper	ENHANCED ADHESIVE SYNTHETIC PAPER
Adhesive Vinyl	ADHESIVE VINYL
Backlight Film	BACKLIGHT FILM
Tyvek Brillion	TYVEK BRILLION
Canvas	CANVAS

Choosing Advanced Print Options

The advanced print options give you complete control over your printing environment. Use these settings to experiment or to fine-tune a range of options to meet your individual needs. Follow these steps to print with advanced settings:

1. Follow steps 1 through 4 on page 3-5.
2. Click **Custom** and then click **Advanced**. You see a dialog box like the following:



These three settings give you different options on the lower part of the screen

3. If necessary, you can change your **Media Type** and **Ink** settings.
4. Choose one of the following **Print Quality** settings:
 - **Economy**
To save ink
 - **Normal - 360dpi**
For faster printing and everyday needs
 - **Fine - 720dpi**
For high quality photos and prints (deselect the **High Speed** checkbox to achieve photo lab quality)
 - **SuperFine - 1440dpi**
Better than photo lab quality
 - **SuperPhoto - 2880dpi**
For the highest quality photos and prints; provides an astonishing level of photographic quality

The available print quality settings are limited by the **Media Type** setting. Choose lower print quality for faster printing, or **SuperPhoto - 2880dpi** for best quality.

5. Choose any of the following:
 - **MicroWeave and Super MicroWeave**
Eliminate unwanted banding effects. These settings are automatically selected for most media types. If you notice banding with the standard **MicroWeave** setting, select **Super MicroWeave**.
 - **High Speed**
For fast, bidirectional printing at lower quality. If vertical lines in your printout are misaligned when you use the **High Speed** setting, you may need to turn it off or realign the print head.
 - **Flip Horizontal**
For printing a mirror image of your file. Use with backlight film.

6. Choose one of the following Color Management settings:
 - **Color Controls**
Lets you specify individual values for adjusting brightness, contrast, saturation, and CMY inks, or choose from the three Color Adjustment modes. You can also choose from three Gamma settings, which control image contrast by modifying the midtones and midlevel grays. For descriptions of the available settings, see the table on page 3-13.
 - **PhotoEnhance4**
Allows you to correct noise and other problems common to digital camera images. Also lets you see a sample image that reflects the settings you choose. See page 3-13 for a description of the available settings.
 - **ColorSync**
Lets you select from three Rendering Intent settings for mapping colors to your printer's **EPSON Standard** profile. (See page 3-13 for descriptions of the available settings.) Normally, you should use the color management features of your imaging software instead.
 - **No Color Adjustment**
Disables color management in the printer driver. Choose this mode if you want to use your own color management system.
7. Click **Save Settings** if you want to have your advanced settings available for reuse. Then type a name for the group of settings and click **Save**. The name is added to your list of custom settings.
8. When you're finished setting advanced printer options, click **OK**.



If you turn off color management, you can still control the ink density. See "Paper Configuration Options" on page 3-14.

Color Management Settings

Notice: Output Viewing Conditions

Due to the nature of all pigment inks, lighting conditions can affect the appearance of printer output. For example, a print viewed under daylight may appear to have a slightly different color balance when viewed under tungsten lighting. Care should be taken that the prints are produced for the lighting conditions in which they will be displayed.

The EPSON printer driver was designed to represent color accurately when prints are illuminated with a D50 (daylight) light source. For optimum results, understand your output display conditions before printing.

The following tables list the color management settings available when you choose either Color Controls, PhotoEnhance4, or ColorSync.

PhotoEnhance4 is designed to enhance images captured using video cameras, digital cameras, or scanners. Depending on your system and the size of the image, printing with PhotoEnhance4 may take longer.

Color control modes and Gamma settings

Automatic	Analyzes the color information in your image and optimizes color correction accordingly.
Photo-realistic	Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness. Corrects for overall under- or over-exposure of the original image.
Vivid	Intensifies colors and lightens the midtones and highlights. Best for print jobs with non-photographic images.
1.5 Gamma	Produces the same contrast values as earlier EPSON ink jet printers.
1.8 Gamma	Increases contrast.
2.2 Gamma	Matches image colors with sRGB devices.

PhotoEnhance4 settings

Tone	Lets you choose from Normal for standard tone correction, Hard for high contrast, Vivid for more intense colors (as defined above), Sepia , and Monochrome .
Effect	Lets you choose from four special effects (and set the intensity using the Low/High slider): Sharpness , Soft Focus , Canvas , and Parchment .
Digital Camera Correction	Corrects noise and other flaws common to digital camera images.

ColorSync Rendering Intent settings

Perceptual	For photographic images. Maintains the relationship between colors as it scales them to fit within your printer's color gamut.
Saturation	For charts and business graphics. Maintains the relative saturation of colors from one gamut to another.
Colorimetric	For projects with known colors, such as labels and packaging. Maintains colors that fall within the gamut of both your monitor and printer.

Paper Configuration Options

To access the paper configuration settings, click the **Paper Config** button in the Advanced dialog box.

The following settings are available. They override any paper configuration settings you may have made using the printer's control panel (page 2-22).

Paper Configuration settings

Color Density	Use this to control the ink saturation level (for example, when you turn off color management in your printer software).
Drying Time per Print Head Pass	Use when printing with non-EPSON media. You can make the print head wait up to 5 seconds after each pass to allow ink to dry on the page.
Paper Feed Adjustment	Lets you eliminate light or dark bands when printing at high speeds (720 dpi or less).
Paper Thickness	Eliminates vertical banding and creates a sharper image when printing on unusually thick or thin paper.
Paper Suction	Lets you decrease the paper suction level when printing on thinner papers (less than 12 lb), such as CAD drafting paper or backlight film.
Cut Method	Decreases the cutting blade pressure for thinner papers, to provide a cleaner cut.

Managing Print Jobs

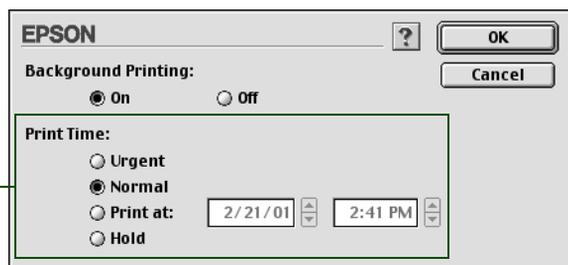
Your printer comes with several utilities that let you check on your print jobs and schedule, cancel, pause, or restart them. First you need to set up background printing, so you can continue to work on your Macintosh while a file is being printed. Note that background printing is slower and may also slow down your system.

Setting Up Background Printing

You can set up background printing from the Chooser, as described on page 1-34, or you can use the background printing button on the print dialog box. Follow these steps to set up background printing:

1. Start an application, open a file, and choose **Print** from the File menu.
2. Click the background printing button . You see the following dialog box:

Not available if background printing is turned off



3. To turn background printing on, click the **On** button.
4. To select a priority for your print job in the queue of jobs waiting to print, click one of the following:
 - **Urgent** to print before any Normal priority job
 - **Normal** to print in the order the job is received
 - **Print at:** to print at the specific time you enter in the day and time in the fields to the right
 - **Hold** to hold the print job in the print queue until you're ready to release it using Monitor3; see the following section for details.

5. Click **OK** to save your settings and return to the printer settings dialog box.
6. Click **Print** to print your document.

If you selected **Print at:** or **Hold**, your document is spooled, but held in the print queue until the print time specified or until released using **Monitor3**, as described in the following section.

Using Monitor3

The **Monitor3** utility lets you prioritize and control your print jobs as well as monitor their progress.



You must turn on background printing to view the EPSON **Monitor3** window. See page 3-15 for instructions.

After you send a print job, click the current application icon at the right end of the menu bar and select **EPSON Monitor3**. You see a window like the following:

Current print job

Jobs waiting to print

Click to set priorities or print times for waiting print jobs

Document Name	Priority	Paper Size	Media Type	Copies
SS13003.JPG				1 / 1
SS13004.JPG	Hold	US C 17 ...	Photo Gl...	1

The progress bar tracks the current print job. To cancel, pause, or restart a print job, click the document's name, then click one of the following buttons:

- Click to delete
- Click to restart
- Click to pause

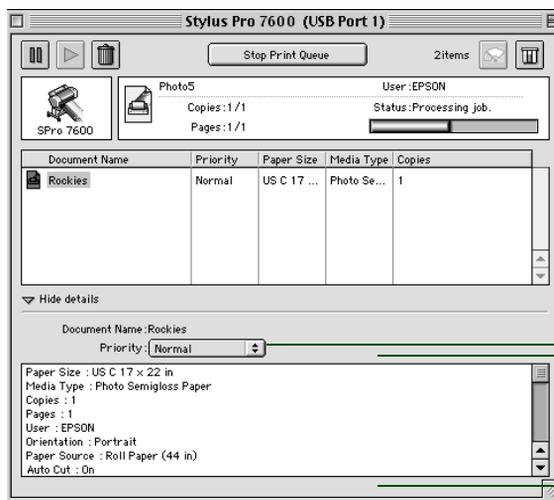
You can also do the following:

- Double-click a file in the list to preview it
- Double-click **Copies** to change the number of copies to be printed
- Click  to check your ink levels
- Click  to start the print head cleaning utility. See page 5-4 for more information about the cleaning utility.

If you want to view details of a print job, click the job, then click the **Show details** arrow. The **Priority** list becomes active.



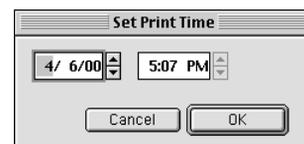
If you see a stop sign icon and the message Print queue on hold in the EPSON Monitor3 dialog box, select **Start print queue** from the Printer menu to release the queue and resume printing.



Priority list box
Settings selected for the highlighted print job

Click the print job whose priority you want to change. Then click the **Priority** list box and select one of the following settings:

- **Normal** prints the job in the order it is received
- **Urgent** moves the job before Normal priority jobs in the print queue
- **Hold** holds the job in the print queue until you're ready to release it for printing by clicking  restart
- **Print Time** opens the Set Print Time dialog box. Enter the date and time you want to print the document, then click **OK**.



Cancelling Printing

If you need to cancel a print job, follow these steps:

1. Press the **Power** button to turn off the printer.
2. Do one of the following, depending on whether you're using background printing:
 - If background printing is turned off, hold down the **⌘** key on your keyboard and press the **(.)** period key to cancel the print job.
 - If background printing is turned on, select **EPSON Monitor3** from the application menu and click **Stop Print Queue**. Or, click the  button, then click the stop button  to cancel the print job.

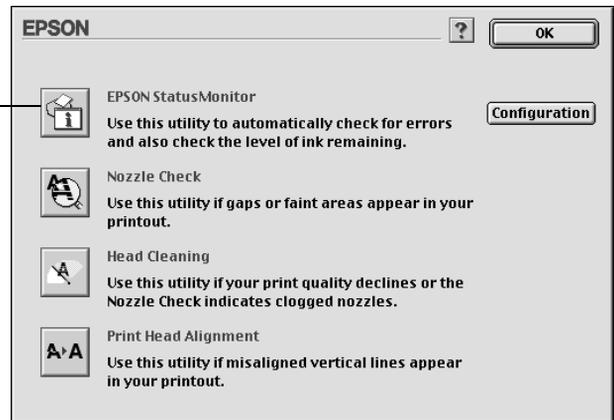
Checking Printer Status

The Status Monitor utility lets you check the levels of ink in your printer and configure error messages and other features of printer operation.

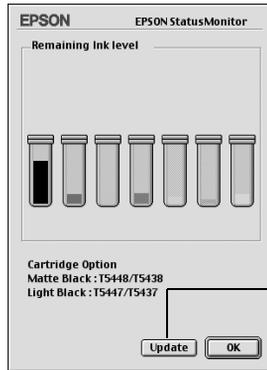
Follow these steps to check ink levels:

1. Click the utility button  on the print or page setup dialog box. You see the utility menu:

Click to open the Status Monitor utility



2. Click the **EPSON StatusMonitor** icon. The software checks the amount of ink remaining in the printer and displays the Status Monitor window:



Click to recheck
ink levels

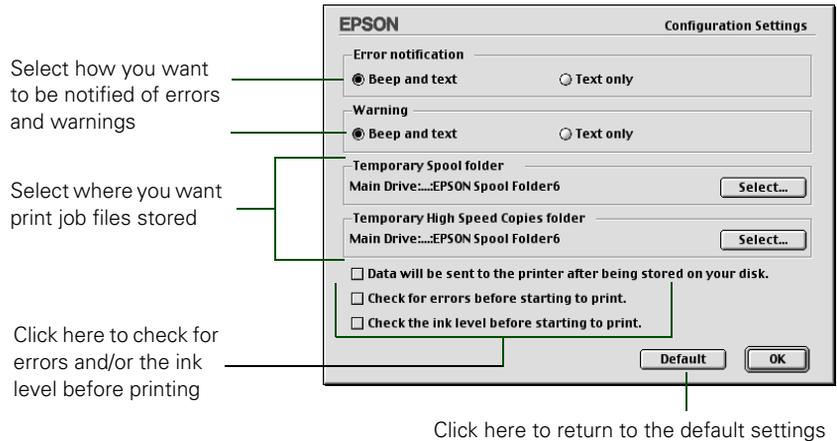
3. To recheck the ink level check, click the **Update** button. To close the Status Monitor, click **OK**.

Selecting Configuration Options

You can configure the way you want the printer to handle error and warning messages, ink level checks, and print file storage in the Configuration Settings dialog box. Follow these steps:

1. Click the utility button  on the print or page setup dialog box. You see the utility menu.
2. Click the **Configuration** button.

You see the Configuration Settings dialog box:



3. Select from the following configuration options:



Warning messages allow printing to continue. Error messages are more serious and cause printing to stop.

- **Error notification** lets you choose whether you want your system to beep and display error message text or just display text if your printer encounters an error.
 - **Warning** lets you choose whether warning messages beep and display text or display text only.
 - **Temporary Spool folder** and **Temporary High Speed Copies folder** let you select the folders on your hard disk that store the temporary files created when you send a job to the printer. Click the **Select** button to change the folder from the default folder shown.
 - **Data will be sent to the printer after being stored on your disk** prevents print head pausing. Normally, graphics are sent in rectangular bands. When you select this option, your Macintosh stores the entire image on its hard drive and then sends it to the printer as a whole (recommended only for older Macintosh systems).
 - The last two checkboxes let you choose to have your software check for errors or low ink levels before starting your print job.
4. When you're finishing changing your configuration options, click **OK** to return to the utility menu.

Chapter 4: Printing with EPSON Drivers for Windows

Your Stylus Pro 7600 or 9600 comes with drivers and utilities that let you print and manage print jobs without a RIP. ICC profiles are included, so you can use the advanced color management features of your applications or the driver itself.

The driver CD-ROM also includes an electronic *Reference Guide*, which includes more detailed information about the printer and printer software. You can read the guide using a web browser, such as Netscape Navigator or Microsoft Internet Explorer, versions 3.0 or later.

This chapter includes the following information:

- Choosing basic print options
- Choosing paper and layout options
- Choosing advanced print options
- Managing print jobs
- Checking printer status
- Optimizing print speed

Choosing Basic Print Options

Before you print, you need to set basic printing properties. The EPSON driver offers automatic settings that optimize print quality and speed when you're using EPSON media. You can also choose advanced settings for more control over your printer and color management options, as described on page 4-9.

Follow these steps to make basic settings:

1. Start an application, open a file, and choose **Print** from the File menu. You see the Print dialog box.
2. Make sure your printer is selected, and then click the **Properties** button (or **Preferences** on Windows XP). If you see a **Setup, Printer, or Options** button, click it instead. Then click **Properties** or **Preferences** on the next dialog box.

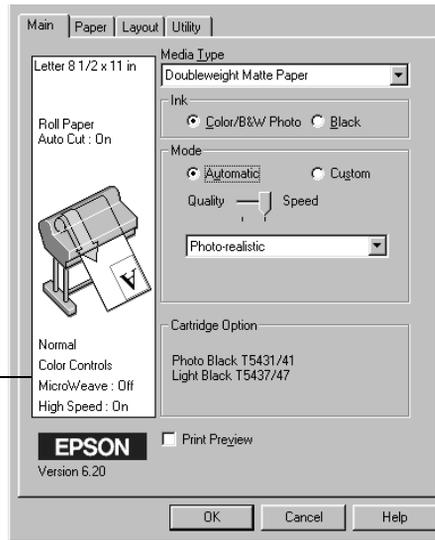
A dialog box like the following appears:



Note

If you need more information about print options, you can click the **Help** button on any dialog box.

This box shows you the current settings, but you can't change them from here.



TIP

For professional black-and-white photography, use the **Color/B&W Photo** setting (don't select **Black**).

3. Select a **Media Type** setting appropriate for the media you're printing on, as listed in the table on page 4-4 (Photographic Dye ink users) or 4-5 (UltraChrome ink users).
4. For the ink type, select **Color/B&W Photo** if you're printing either a color or black-and-white photo image. Select **Black** only if you're printing line drawings or other non-photographic images.
5. Set the **Mode** option as follows:
 - Click **Automatic** to have the printer driver analyze the contents of your image or file and make the appropriate printing adjustments. If a **Quality/Speed** slider appears in the Mode box, set it according to the priorities of your print job. (Depending on the Media Type setting, this slider may not appear.)
 - Click **Custom**, and then choose one of the print job types from the custom settings list, as described in the next step, or click the **Advanced** button and see "Choosing Advanced Print Options" on page 4-9 for instructions.

6. Depending on your print mode (Automatic or Custom), you can select one of the following options from the pull-down menu:

Automatic print mode

Setting	Usage
Photo-realistic	For printing photographic images. Produces sharper images and automatically corrects under- or over-exposure of the original image.
Vivid	For printing non-photographic images. Intensifies colors and lightens the midtones and highlights.

Custom print mode

Setting	Usage
Text/Graph	Intensifies colors and lightens the midtones and highlights. Best for print jobs with non-photographic images.
ICM	Adjusts colors based on your printer's ICC profile, using the Image Color Matching system (effective in Windows 98/Me/2000/XP only). If you're using an ICM-compatible monitor, adjusts printed colors to closely match screen colors.
sRGB	Adjusts colors using the small-gamut sRGB (standard red green blue) color space. Best for color matching with other sRGB devices, or for images designed for the Web.



You can also create your own settings and add them to this list. See page 4-11 for more information.

7. When you're finished choosing print options, click the **Paper** tab and follow the instructions on page 4-6 for choosing paper and layout options.

Selecting the Correct Media Type Setting

The tables below list the settings designed to produce the best results on EPSON media when printing with either Photographic Dye ink or UltraChrome ink.

If your EPSON paper is not listed, check the instructions included with the paper, or look on the EPSON web site (<http://prographics.epson.com>). If you are using non-EPSON paper, choose the closest setting. You may have to experiment with different settings to determine which one is best for the media you're using.

Media Type settings for printing with Photographic Dye ink



Check the EPSON web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

Product name	Media Type setting
Premium Glossy Photo Paper (250)	PREMIUM GLOSSY PHOTO PAPER (250)
Premium Luster Photo Paper	PREMIUM LUSTER PHOTO PAPER
Premium Semigloss Photo Paper	PREMIUM SEMIGLOSS PHOTO PAPER
Premium Semimatte Photo Paper (250)	PREMIUM SEMIMATTE PHOTO PAPER (250)
Photo Glossy Paper	PHOTO GLOSSY PAPER
Photo Semigloss Paper	PHOTO SEMIGLOSS PAPER
Doubleweight Matte Paper	DOUBLEWEIGHT MATTE PAPER
Enhanced Matte Paper	ENHANCED MATTE PAPER
Enhanced Matte Posterboard	ENHANCED MATTE POSTER BOARD
EPSON Proofing Paper Commercial Semimatte	PHOTO SEMIGLOSS PAPER
Backlight Film	BACKLIGHT FILM

This table lists the settings to use when printing with UltraChrome ink.



Check the EPSON web site (<http://prographics.epson.com>) or your authorized EPSON dealer for other media that may be available.

Media Type settings for printing with UltraChrome ink

Paper type	Media Type setting
Premium Glossy Photo Paper (250)	PREMIUM GLOSSY PHOTO PAPER (250)
Premium Luster Photo Paper	PREMIUM LUSTER PHOTO PAPER
Premium Semigloss Photo Paper	PREMIUM SEMIGLOSS PHOTO PAPER
Premium Semimatte Photo Paper (250)	PREMIUM SEMIMATTE PHOTO PAPER (250)
Photo Glossy Paper	PHOTO GLOSSY PAPER
Photo Semigloss Paper	PHOTO SEMIGLOSS PAPER
Doubleweight Matte Paper	DOUBLEWEIGHT MATTE PAPER
Enhanced Matte Paper	ENHANCED MATTE PAPER
Enhanced Matte Posterboard	ENHANCED MATTE POSTER BOARD
EPSON Proofing Paper Commercial Semimatte	PHOTO SEMIGLOSS PAPER
Glossy Paper - Photo Weight	GLOSSY PAPER - PHOTO WEIGHT
Watercolor Paper - Radiant White	WATERCOLOR PAPER - RADIANT WHITE
Somerset Velvet for EPSON Fine Art Paper	ENHANCED MATTE PAPER (roll) or ENHANCED MATTE POSTER BOARD (sheet)
Smooth Fine Art Paper	SMOOTH FINE ART PAPER
Textured Fine Art Paper	TEXTURED FINE ART PAPER
Synthetic Paper	ENHANCED SYNTHETIC PAPER
Adhesive Synthetic Paper	ENHANCED ADHESIVE SYNTHETIC PAPER
Adhesive Vinyl	ADHESIVE VINYL
Backlight Film	BACKLIGHT FILM
Tyvek Brillion	TYVEK BRILLION
Canvas	CANVAS

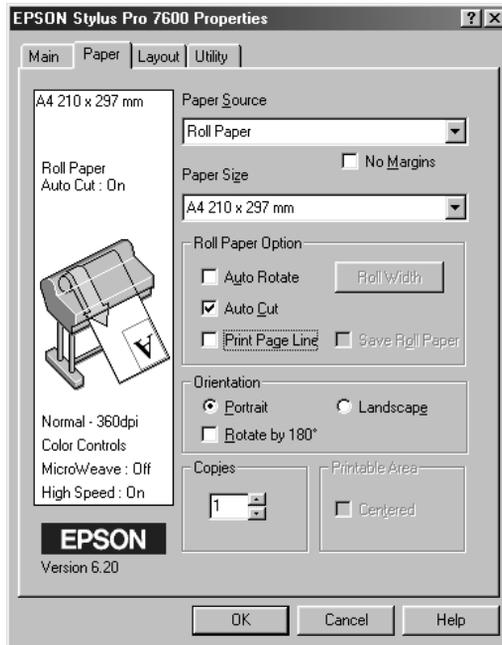
Choosing Paper and Layout Options



Many application settings override settings in the printer driver. Always verify settings to get the results you expect.

Many paper options correspond to paper handling features that you can also set through the control panel. Software options give you additional settings and override control panel settings. Follow these steps to choose paper and layout options:

1. On the Properties dialog box, click the **Paper** tab. You see this window:



2. Select the type of paper you loaded (**Roll Paper** or **Sheet**) from the **Paper Source** list. If your image is more than 90.5 inches long, select **Roll Paper (Banner)**. This option is not available with all applications, and can't be used when printing with Photographic Dye ink at 2880 dpi.
3. Select the **Paper Size** you want, based on the size of your image. If your size is not listed, select **User Defined**. Then enter the size in hundredths of an inch (or centimeters).



Creating a user-defined paper size generally lets you make the best use of your roll paper.

4. When you're using roll paper, set the following options:
 - **Auto Rotate**
Saves paper if your document length is shorter than the printable width of the roll. The document is automatically rotated 90 degrees and printed crosswise. Be sure to click **Roll Width** and select the width of your roll paper.
 - **Auto Cut**
Choose this option if you want the paper to be cut automatically after each page is printed (not available for thicker media types).
 - **Print Page Line**
Prints trim lines on the right and bottom edges of your pages.
 - **Save Roll Paper**
Saves paper by not feeding the blank portion of the last page of your document. Available only if you've selected **Roll Paper (Banner)** as the Paper Source.
5. Make the settings you want for **Orientation**, **Copies**, and **Printable Area** (available when Paper Source is set to **Sheet**).
6. If you want to reduce or enlarge your image, click the **Layout** tab.
7. Choose the appropriate settings, then click **OK**.



Select **Landscape** when you want to rotate your image 90°.



For best print quality along the upper edge of your printout, EPSON recommends using one of the following papers:

- Premium Glossy Photo Paper (250)
- Premium Semimatte Photo Paper (250)
- Premium Luster Photo Paper

Note that you can't print without borders when using Photographic Dye ink at 2880 dpi.

Printing Without Margins

You can select **BorderFree** printing when printing on paper with the following widths:

- 8 to 8.5 inches
- 10 inches
- 12 inches
- 14 inches
- 16 inches
- 20 inches
- 24 inches
- 36 inches (Stylus Pro 9600 only)
- 44 inches (Stylus Pro 9600 only)

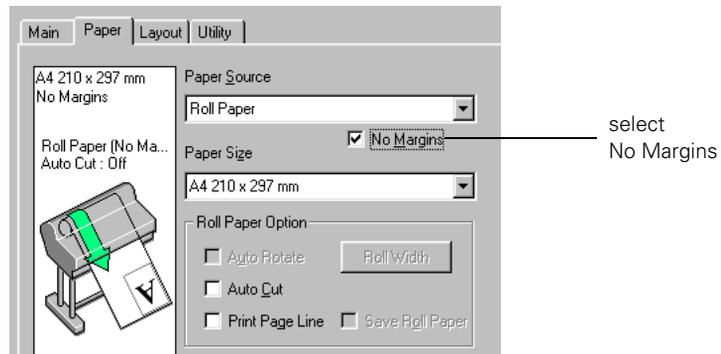
4-8 | Printing with EPSON Drivers for Windows

To print without borders on one of the paper sizes listed above, follow these steps:



Not all paper sizes are available when **No Margins** is turned on.

1. Make sure your image size is at least 1/8 inch larger all around than the size of paper you're printing on. If your application has margin settings, be sure they're turned off.
2. Select **No Margins** in your printer software:

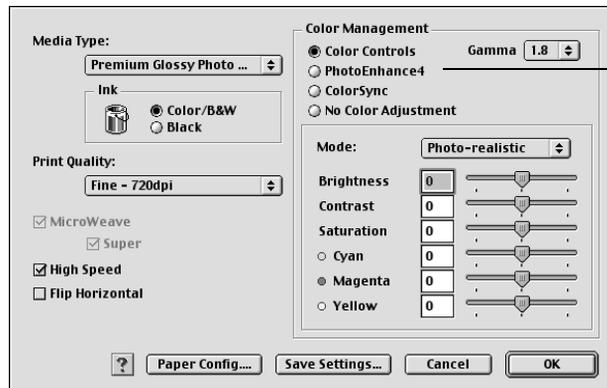


3. On the printer's control panel, press the **SelectType** button to enter the Printer Setup menu.
4. Press the **SelectType ▶** button again to open the menu options, then press the **▼** button until **No Margins** is displayed.
5. Press the **▶** button, then press the **▼** button to select one of these paper cutting options:
 - **L/R ONLY** when printing without left and right margins
 - **1CUT** or **2CUTS** when printing without any margins (1CUT causes the images to be printed end-to-end. If you prefer additional space between your images, select 2CUT. This extends the space between the images and the paper is cut twice inside this space.)
6. Press **Enter** to activate the setting, then press **Pause** to exit the setup mode and return to normal printer operation.
7. Print your image.

Choosing Advanced Print Options

For complete control over your printing environment, use these Advanced settings to experiment or to fine-tune a range of options to meet your needs:

1. Follow steps 1 through 4 beginning on page 4-1.
2. Click **Custom** and then click **Advanced**. You see a dialog box like the following:



When you choose PhotoEnhance4, you see a different set of options on the lower part of the screen



Note

Some of these options may not appear, depending on your **Media Type** setting.

3. If necessary, you can change your **Media Type** and **Ink** settings.
4. Choose one of the following **Print Quality** settings:
 - **Economy**
To save ink
 - **Normal - 360dpi**
For faster printing and everyday needs
 - **Fine - 720dpi**
For high quality photos and prints (deselect the **High Speed** checkbox to achieve photo lab quality)
 - **SuperFine - 1440dpi**
Better than photo lab quality
 - **SuperPhoto - 2880dpi**
For the highest quality photos and prints; provides an astonishing level of photographic quality

5. Choose any of the following:
 - **Super MicroWeave or MicroWeave**
Eliminate unwanted banding effects. These settings are automatically selected for most media types. If you notice banding with the standard **MicroWeave** setting, select **Super MicroWeave**.
 - **High Speed**
For fast, bidirectional printing at lower quality. If vertical lines in your printout are misaligned when you use the **High Speed** setting, you may need to turn it off or align the print head.
 - **Flip Horizontal**
For printing a mirror image of your file. Use with backlight film.

6. Choose one of the following Color Management settings:
 - **Color Controls**
Lets you specify individual values for adjusting brightness, contrast, saturation, and CMY inks, or choose from the two Color Control modes, described in the table on page 4-11. You can also choose from three Gamma settings, which control image contrast by modifying the midtones and midlevel grays.
 - **PhotoEnhance4**
Allows you to correct noise and other problems common to digital camera images. Also lets you see a sample image that reflects the photographic tone and special effect settings you choose. See page 4-12 for a description of the available settings.
 - **No Color Adjustment**
Disables color management in the printer driver. Choose this mode if you want to use a standalone color management module.
 - **sRGB**
Adjusts colors using the small-gamut sRGB (standard red green blue) color space. Best for color matching with other sRGB devices, or for images designed for the Web.
 - **ICM**
Adjusts colors based on the printer's ICC profile, using the Image Color Matching system (Windows 98/Me/2000/XP only). If you have an ICM-compatible monitor, adjusts printed colors to closely match screen colors.



If you turn off color management, you can still control the ink density. See "Paper Configuration Settings" on page 4-12.

7. Click **Save Settings** if you want to have your advanced settings available for reuse. Then type a name for the group of settings and click **Save**. The name is added to your list of custom settings.
8. When you're finished setting advanced printer options, click **OK**.

Color Management Settings

The following tables list the color management settings available when you choose either **Color Controls** or **PhotoEnhance4**.

PhotoEnhance4 is designed to enhance images captured using video cameras, digital cameras, or scanners. Depending on your system and the size of the image, printing with **PhotoEnhance4** may take longer.

Color control modes and Gamma settings

Automatic	Provides output that closely matches the original image data.
Photo-realistic	Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness. Corrects for overall under- or over-exposure of the original image.
Vivid	Intensifies colors and lightens the midtones and highlights. Best for print jobs with non-photographic images.
1.5 Gamma	Produces the same contrast values as earlier EPSON ink jet printers.
1.8 Gamma	Increases contrast.
2.2 Gamma	Matches image colors with sRGB devices.

Notice: Output Viewing Conditions

Due to the nature of all pigment inks, lighting conditions can affect the appearance of printer output. For example, a print viewed under daylight may appear to have a slightly different color balance when viewed under tungsten lighting. Care should be taken that the prints are produced for the lighting conditions in which they will be displayed.

The EPSON printer driver was designed to represent color accurately when prints are illuminated with a D50 (daylight) light source. For optimum results, understand your output display conditions before printing.

PhotoEnhance4 settings

Tone	Lets you choose from Normal for standard tone correction, Hard for high contrast, Vivid for more intense colors (as defined above), Sepia , Monochrome , and None (no tone adjustment).
Effect	Lets you choose from four special effects (and set the intensity using the Low/High slider): Sharpness , Soft Focus , Canvas , and Parchment .
Digital Camera Correction	Corrects noise and other flaws common to digital camera images.

Paper Configuration Settings

To access the paper configuration settings, click the **Paper Config** button in the Advanced dialog box.

The following settings are available. They override any paper configuration settings you may have made using the printer's control panel (page 2-22).

Paper Configuration settings

Color Density	Controls the ink saturation level (for example, when you turn off color management in your printer software).
Drying Time per Print Head Pass	Use when printing with non-EPSON media. You can make the print head wait up to 5 seconds after each pass to allow ink to dry on the page.
Paper Feed Adjustment	Eliminates light or dark horizontal bands when printing at high speeds (720 dpi or less).
Paper Thickness	Eliminates vertical banding and creates a sharper image when printing on unusually thick or thin paper.
Paper Suction	Decreases the paper suction level when printing on thinner papers (less than 12 lb), such as CAD drafting paper or backlight film.
Cut Method	Decreases the cutting blade pressure for thinner papers, to provide a cleaner cut.

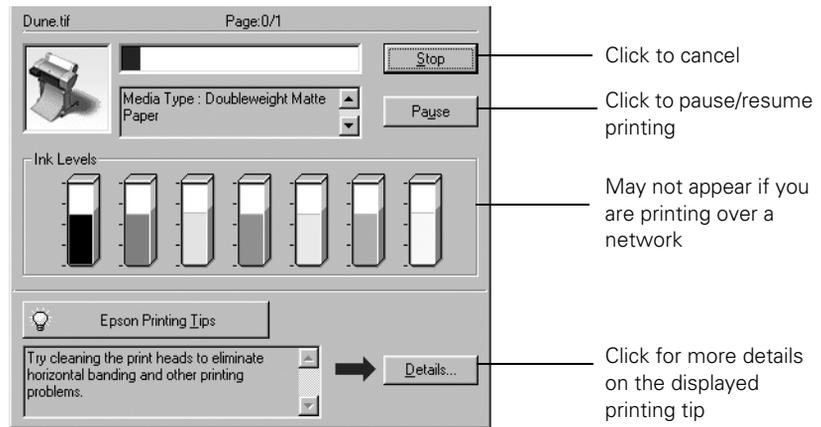
Managing Print Jobs

Your printer comes with several utilities that let you check on your print jobs and schedule, cancel, pause, or restart them. The Progress Meter opens each time you send a print job. The Spool Manager (not available with Windows NT) appears on the taskbar when you print.

Status Monitor 3, which also appears on the taskbar, also lets you check the printer's status and monitor print jobs. See page 4-14 for more information about Status Monitor 3.

Using the Progress Meter

After you send a print job, the Progress Meter window appears on your screen:



You can use the buttons to cancel, pause, or restart your print job. You also see how much ink you have left and view printing tips.

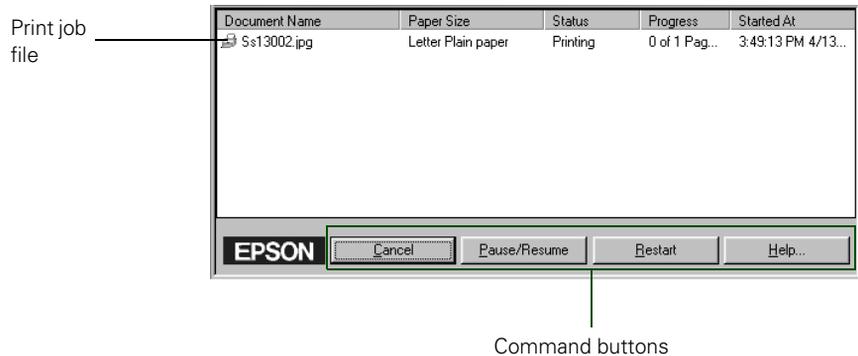
If you don't want the Progress Meter to appear, you can turn it off. See page 4-16 for instructions.

Using the Spool Manager

The Spool Manager (not available with Windows NT) displays the status of your print job files and lets you control them.

To open the Spool Manager while you're printing, click the **EPSON Stylus Pro 7600/9600** icon that appears on the taskbar at the bottom of the screen.

You see the Spool Manager window:



To cancel, pause, resume, or restart a print job, click the job to highlight it; then click the corresponding command button on the bottom of the window.

Using Status Monitor 3

The Status Monitor 3 utility lets you check individual levels of ink in your printer and warns you when errors occur.

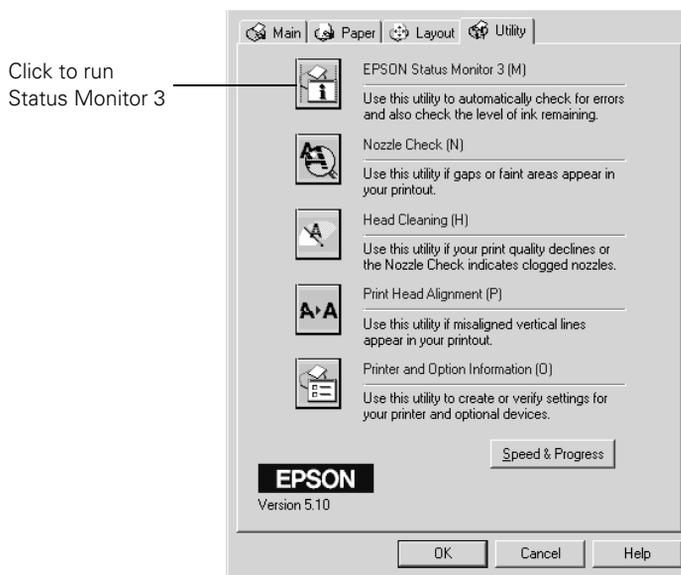
You can open Status Monitor 3 either from a running application or from the Windows Printers utility.

1. To open Status Monitor 3 from an application, access the Properties dialog box, as described on page 4-1.

Otherwise, do the following:

- **Windows XP:** Click Start and select Control Panel. Double-click Printers and Other Hardware, then double-click Printers and Faxes. Right-click your printer icon and select Printing Preferences.
- **All other versions of Windows:** Click Start, point to Settings, then select Printers. Right-click your printer icon and select Properties (Windows 95, 98, or Me), Document Defaults (Windows NT), or Printing Preferences (Windows 2000).

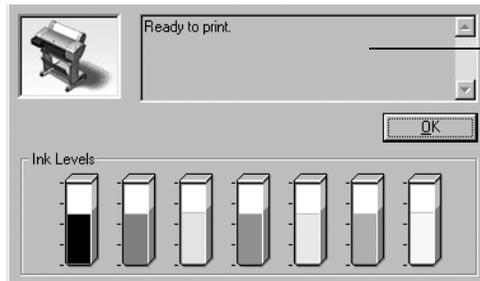
2. Click the Utility tab. You see the Utility menu:





If there's a printing problem, such as low ink or jammed paper, Status Monitor 3 displays a **How To** button that you can click for instructions on solving the problem.

3. Click the **EPSON Status Monitor 3** button. The following window appears. (It also opens automatically when an error occurs.)



Printer status messages appear here

Setting Monitoring Preferences

You can choose when and how you want to be notified of problems, whether you want a Status Monitor 3 icon to appear on your Windows taskbar, and whether you want to allow monitoring by other users who share the printer. Follow these steps:

1. Do one of the following:
 - **Windows XP:** Click **Start** and select **Control Panel**. Double-click **Printers and Other Hardware**, then double-click **Printers and Faxes**. Right-click your printer icon and select **Printing Preferences**.
 - **All other versions of Windows:** Click **Start**, point to **Settings**, then select **Printers**. Right-click your printer icon and select **Properties** (Windows 95, 98, or Me), **Document Defaults** (Windows NT), or **Printing Preferences** (Windows 2000).

- Click the **Utility** tab, then click the **Speed & Progress** button. You see the Speed & Progress dialog box. (See page 4-18 for more information about using the Speed & Progress utility.)

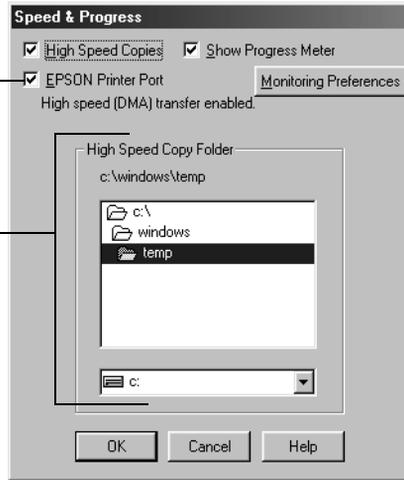


Note

If you want, you can click the **Show Progress Meter** checkbox to deselect it and disable display of the progress meter during printing.

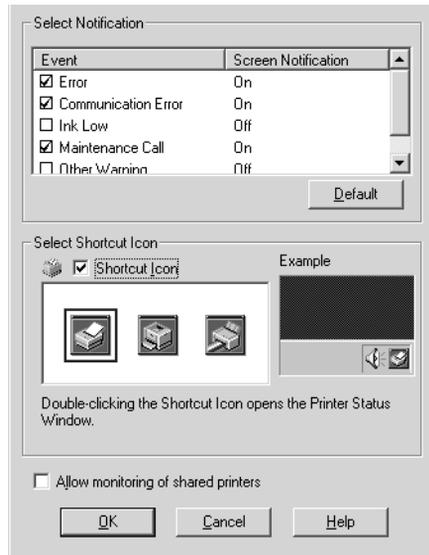
Appears only if you are connected to a parallel port

Appears only if you have more than one hard drive



Not available with Windows NT

- Click the **Monitoring Preferences** button. You see the Monitoring Preferences dialog box:



- Select the Notification options you want to use.

5. If you want to have the Status Monitor 3 icon appear in your Windows taskbar, click the **Shortcut Icon** checkbox. Then select the icon you want to use.

After you enable the shortcut, you can simply double-click the icon to open the Status Monitor 3 window (shown on page 4-16) or right-click it, then select **Monitoring Preferences** in the pop-up menu.

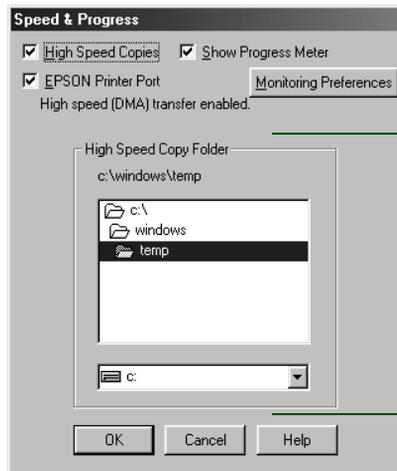
6. Select **Allow monitoring of shared printers** if your printer is shared and you want to let other users monitor it.
7. Click **OK** to save your settings.

Optimizing Print Speed

Using the Speed & Progress utility, you can optimize your printer's parallel port for the fastest data transfer rate and speed up the way your printer driver processes multiple-copy print jobs.

1. Do one of the following:
 - **Windows XP:** Click **Start** and select **Control Panel**. Double-click **Printers and Other Hardware**, then double-click **Printers and Faxes**. Right-click your printer icon and select **Printing Preferences**.
 - **All other versions of Windows:** Click **Start**, point to **Settings**, then select **Printers**. Right-click your printer icon and select **Properties** (Windows 95, 98, or Me), **Document Defaults** (Windows NT), or **Printing Preferences** (Windows 2000).
2. Click the **Utility** tab, then click the **Speed & Progress** button.

You see a dialog box similar to the following:



If you have more than one hard disk drive, you can select a folder for storing multiple copy print jobs here.

3. Select from the following options:

- **High Speed Copies** speeds up printing of multiple copies of the same document using hard disk space as a cache. If you have multiple hard drives, you can select a high speed copy folder for storing copies.
- **Show Progress Meter** lets you control whether or not the Progress Meter is displayed when you send a print job.
- **EPSON Printer Port** (Windows 95, 98, or Me parallel connection only) lets you optimize the transfer rate of your printer port for EPSON printers instead of using the Windows default printer port. You may see one of these messages beneath the **EPSON Printer Port** option:

High speed (DMA) transfer enabled tells you that you're already using fast DMA transfer mode.

For higher data transfer rates, use DMA transfer lets you know that you can speed up printing by enabling DMA transfers on your system. See your electronic *Reference Guide* for instructions on using DMA transfers, if your computer supports them. For more information, see your computer documentation or contact your computer manufacturer's technical support. If you see no message, you cannot enable DMA transfers.

- Always spool RAW datatype (Windows 2000, XP, and NT only) lets you spool documents using the RAW format instead of the EMF (metafile) format. Because the RAW format requires fewer resources, printing is faster and you can avoid certain problems, such as insufficient memory or disk space.
4. Click **OK** to close the Speed & Progress dialog box and return to the Utility menu. Then click **OK** again to exit the Printers utility.

Chapter 5: Maintaining and Transporting the Printer

The EPSON Stylus Pro 7600 and 9600 require very little maintenance to keep working their best. This chapter describes the following routine procedures:

- Checking printer status and part life
- Running a cleaning cycle
- Aligning the print head
- Replacing ink cartridges
- Switching between black ink modes
- Replacing the paper cutter blade
- Replacing the maintenance tank
- Cleaning the printer
- Transporting or storing the printer
- Uninstalling and reinstalling printer software

In addition to the features described in this chapter, you can also use the printer's SelecType function to make printer settings similar to those you would normally make in the driver software (as well as other settings) directly through the control panel. For more information, see the online *Reference Guide* included on the CD-ROM that came with your printer.



To test the print quality, see page 5-4 for instructions on printing a nozzle check.

Checking Printer Status and Part Life

Using the control panel, you can check the amount of ink remaining, the total number of prints, and the status of your cutter blade, maintenance tank, and other printer parts. You can either print out a status check, or you can view the printer's status on the control panel.

Printing Status Information

The status check sheet shows some of the current default settings, the amount of ink remaining in each cartridge, the page count, and the status of various printer parts.

Follow these steps to print the status check sheet:

1. Load a letter-size sheet of paper in the printer, following the instructions on page 2-15. (You can print the status check on larger sheets or roll paper, but you will use more paper.)
2. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
3. Press **▼** so you see **TEST PRINT**, then press **▶**. You see **NOZZLE CHECK**.
4. Press **▼** so you see **STATUS CHECK**, then press **▶**. You see **PRINT**.
5. Press **Enter**. The status check sheet prints.

The amount of ink left or the component life is indicated as follows:

E*****F = full (or full life remaining)
E**** F = 3/4 full (or 3/4 life remaining)
E*** F = 1/2 full (or 1/2 life remaining)
E** F = 1/4 full (or 1/4 life remaining)
E* F = nearly empty (or service life near end)
E F = empty (or service life ended)

6. Press **Pause** to exit the Test Print menu.



You can replace the ink cartridges, cutter blade, and maintenance tank yourself. Other printer parts need to be replaced by an authorized EPSON service technician.

Viewing Status Information

To view printer status information instead of printing it, follow these steps:

1. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
2. Press ▼ until you see **PRINTER STATUS**, then press ►. You see **VERSION**.
3. Do one of the following:
 - To check the amount of ink left, press ▼ until you see **INK LEFT**, then press ►. The status of the first cartridge is displayed, using the **E*****F** symbols described below. Continue pressing ▼ to see the status of the remaining cartridges.
 - To check how much of the maintenance tank has been used, press ▼ until you see **MAINT TANK**, then press ►. The status of the tank is displayed, using the **E*****F** symbols described below.
 - To check the status of other printer parts, press ▼ until you see **SERVICE LIFE**, then press ►. The status of the carriage motor is displayed, using the **E*****F** symbols described below. Continue pressing ▼ to see the status of the paper feed motor, cutter blade, print head, and cleaning unit.

The status of the printer parts is indicated with these symbols:

E***F** = full (or full life remaining)
E** F** = 3/4 full (or 3/4 life remaining)
E* F** = 1/2 full (or 1/2 life remaining)
E F** = 1/4 full (or 1/4 life remaining)
E* F = nearly empty (or service life near end)
% F = less than 10% of ink (or service life) remaining

4. Press **Pause** to exit the Printer Status menu.



You can replace the ink cartridges, cutter blade, and maintenance tank yourself. Other printer parts need to be replaced by an authorized EPSON service technician.

Running a Cleaning Cycle

If your printed image is unexpectedly light or faint or dots are missing from the image, you may need to run a cleaning cycle. This unclogs the print head nozzles so they can deliver ink properly.



You can also use the printer's software to print a nozzle check. See page 1-37 for details.

The cleaning cycle uses ink, so you should run it only if print quality declines. To determine whether a cleaning cycle is necessary, print a nozzle check first. You should also print a nozzle check after cleaning the print head to see if the cleaning cycle was successful.

There are two ways to run a cleaning cycle:

- Using the printer's control panel buttons, as described below
- Using the Head Cleaning utility in your printer software, as described on page 1-37 (not available if you are accessing the printer over a network)

Printing a Nozzle Check Pattern

Follow these steps to print a nozzle check pattern:

1. Load a letter-size sheet of paper in the printer, following the instructions on page 2-15. (You can print the nozzle check on larger sheets or roll paper, but you will use more paper; you'll also have to remove the roll paper before running a cleaning cycle.)
2. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
3. Press **▼** so you see **TEST PRINT**, then press **▶**. You see **NOZZLE CHECK**.
4. Press **▶** so you see **PRINT**, then press **Enter**. The nozzle check sheet prints.

5. Examine the nozzle check pattern. Each staggered horizontal and straight vertical line should be complete, with no gaps in the pattern:



If dots are missing from the pattern, as shown below, clean the print head as described in the next section.



Cleaning the Print Head from the Control Panel

Follow these steps to run the cleaning cycle from the printer's control panel:

1. Print a nozzle check to make sure the print head needs cleaning, as described above.
2. Make sure no paper is loaded and all of the \triangle Ink Out lights on the printer's control panel are off.

If an \triangle Ink Out light is flashing or on, you need to replace the corresponding ink cartridge instead. See page 5-8 for instructions.

3. Press the **Cleaning** button and hold it for at least 3 seconds. The **Pause** light flashes as the printer cleans its print head. The cleaning cycle takes about 60 seconds and does not use any paper.
4. When the **Pause** light goes off, print the nozzle check again to confirm that the head is clean.

You may need to run the cleaning cycle several times to get a clean nozzle check pattern. For effective cleaning, always run a nozzle check between cycles.

If the lines in the pattern are still missing dots after several cleaning cycles, turn the printer off and leave it overnight, then clean the print head again the following morning. If you still see no improvement, contact EPSON for assistance.



Don't run a cleaning cycle while thick media is loaded in the printer.

Aligning the Print Head

If banding appears on your prints, or vertical lines are not straight, you need to align the print head. Although you can align the print head using the printer software, it's best to do this from the control panel. This aligns the print head for all modes and resolutions.

If you haven't already done so, it's a good idea to run a nozzle check before aligning the print head (page 5-4). This ensures that the print head alignment patterns print correctly.



Use the paper that came with your printer for printing the alignment pattern. That way, you'll save your higher-quality paper for actual print jobs.

Follow these steps to align the print head using the control panel:

1. Make sure the printer is turned on. Then load roll paper that is at least 24 inches wide (you can use the roll paper that came with your printer).
2. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
3. Press **▲** so you see **HEAD ALIGNMENT**, then press **▶**. You see **PAPER THKNS**.
4. Press **▶** so that ***STD** appears on the display. This is the correct thickness setting for most EPSON papers. If you'll be printing on one of the papers listed below after completing the alignment, use the **▲** and **▼** buttons to select the appropriate thickness setting for that paper.

Thickness setting	Paper type
3N	For EPSON Premium Glossy Photo Paper (250) and Premium Semimatte Photo Paper (250)
0N	For film
0.0 to 1.6 mm	For non-EPSON media



If you're performing a **BI-D ALL** adjustment, it's important to perform the **UNI-D ALL** adjustment first.

5. Press **Enter**.
6. Press the **▼** button to select the mode you want to perform the adjustment in (**BI-D BLACK**, **BI-D ALL**, or **UNI-D ALL**).

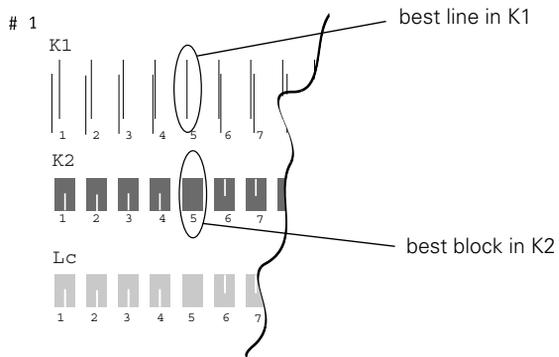
If you're printing non-photographic images with black ink only, select **BI-D BLACK**. Otherwise, perform a **UNI-D ALL** adjustment, followed by **BI-D ALL**.

7. Press the **Enter** button to print the alignment patterns.



You must use at least a 10x eye loupe to check the pattern.

8. Once the patterns are done printing, examine the first row (K1) in group #1. You see a pattern similar to that shown below (only part of it is shown in the drawing). Use your own eye loupe or the one that came with the printer to determine which line looks the best. In the example below, the middle line (numbered 5) is the best.



If number 5 (the current alignment setting) shows the smallest gaps for all patterns, the print head is aligned. Press **Pause** to exit the head alignment.

9. Use the ▲ and ▼ buttons to select the best line.
10. Press **Enter**.
11. Examine the black set of blocks (K2) in group #1. Select the block with the smallest gap, then press **Enter**.
12. Repeat this process for each of the other patterns, when prompted.
 If number 5 (the current alignment setting) shows the smallest gap for each pattern, the print head is aligned and you can exit the adjustment early. You may need to repeat the alignment more than once to ensure that number 5 is the best choice for all patterns.
13. When done, press **Pause** to exit the head alignment.

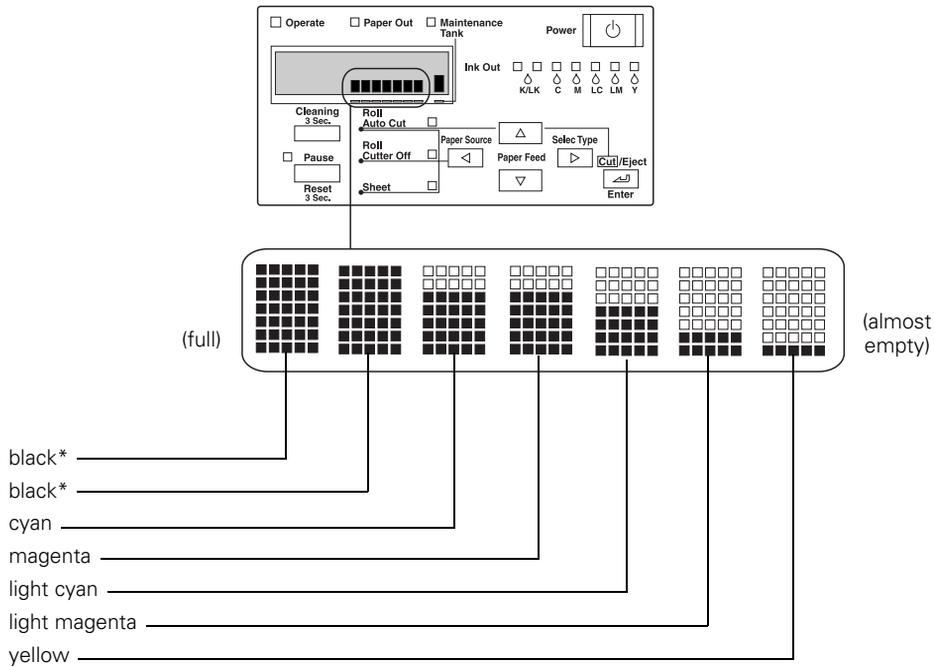


You can store partially used ink cartridges for up to 6 months.

Replacing Ink Cartridges

Before you begin a large print job, you should check your ink levels. If one of your cartridges is low, you can replace it before you start. Or you can wait until the ink runs out, replace the cartridge, and then continue the job without any loss of print quality.

The easiest way to check ink levels is from the control panel:



* If your printer uses UltraChrome ink, the black ink cartridges may be a combination of Photo Black, Matte Black, or Light Black. See page 5-13 for information on switching between black print modes.

When one of the Ink Out lights is flashing (and INK LOW is displayed on the control panel), the corresponding cartridge is almost out of ink. Make sure you have a replacement cartridge. When the light stays on and INK OUT is displayed, the cartridge is empty. You must replace the cartridge before you can continue printing.



You must use the EPSON ink cartridges designed for your printer. Other ink cartridges will not work and may cause damage not covered by your warranty. When you install the ink cartridges that came with the printer, your printer is initialized as either a Photographic Dye ink model or UltraChrome ink model. If you don't use the correct replacement cartridges for your model, you will see an error message.

If you have a Stylus Pro 9600 that uses UltraChrome ink, you can install any combination of 110 ml and 220 ml cartridges. Unless you are planning to switch between black print modes (see page 5-13 for details), be sure to replace the black ink cartridges with the same type as you are currently using.

Use the following EPSON ink cartridges:

Photographic Dye ink users:

Black*	T545100	Light cyan	T545600
Cyan	T545200	Light magenta	T545500
Magenta	T545300	Yellow	T545400

* Your printer requires two black ink cartridges.

UltraChrome ink users:

Cartridge	110 ml	220 ml*
Photo Black**	T543100	T544100
Matte Black**	T543800	T544800
Light Black**	T543700	T544700
Cyan	T543200	T544200
Magenta	T543300	T544300
Light Magenta	T543600	T544600
Light Cyan	T543500	T544500
Yellow	T543400	T544400

* Stylus Pro 9600 only.

** Your printer uses two black ink cartridges. Unless you are switching between black ink modes, use the same type of cartridges as are currently installed. You can check their type by looking at the installed cartridges. Or look at the ink cartridge information in your printer software (see page 5-19 for Windows or page 3-7 for Macintosh). If you install an incorrect cartridge, you will see the message **WRONG INK CARTRIDGE**.

To order EPSON ink cartridges, contact your dealer or call EPSON at (800) 873-7766. You can also visit the EPSON Store at www.epsonstore.com (U.S. only). In Canada, please call (800) 463-7766 for dealer referral.

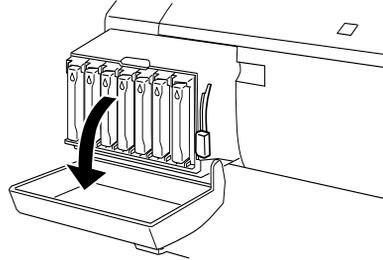
5-10 | Maintaining and Transporting the Printer



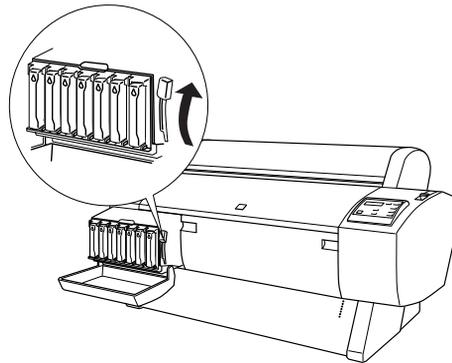
Leave the empty cartridge in the printer until you are ready to replace it.

Before you start, make sure the printer is on. Then follow these steps to replace an ink cartridge:

1. Note the color of the cartridge whose Ink Out light that is on or flashing. This is the cartridge you need to replace.
2. Open the ink compartment cover.

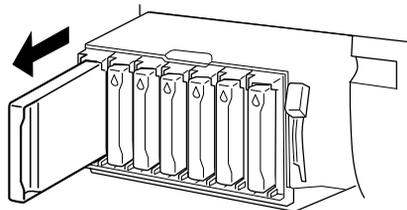


3. Raise the ink lever to the unlocked position.



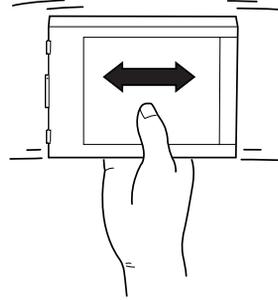
Do not shake the empty cartridge, or ink may leak out. If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water.

4. Remove the empty ink cartridge from the printer.



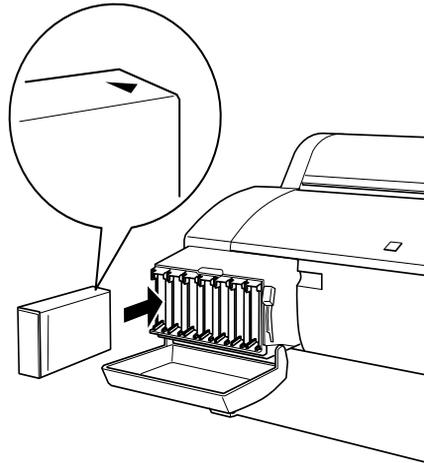
5. Make sure the replacement cartridge is the correct color, and remove it from its package.

If you're using UltraChrome Ink, gently shake the cartridge before installing it.

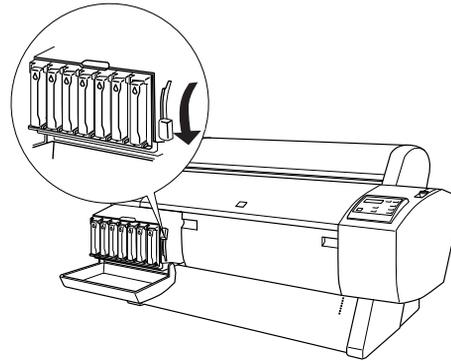


If you can't insert the cartridge smoothly, you may have the wrong cartridge. Check the package and product code. If the **Ink Out** light remains on after installing the cartridge, it may not be inserted fully.

6. Hold the cartridge with the arrow pointing toward the printer. Then insert the cartridge into the slot. Don't force it in.



7. Lower the ink lever to its locked position.



8. If you're using 110 ml cartridges, close the ink compartment cover. If you're using 220 ml cartridges, you'll have to leave the cover open.

Once the cartridges are installed, the printer returns to its **READY** state (or says **LOAD PAPER** if paper isn't loaded).

If you see the message **WRONG INK CARTRIDGE**, you may have loaded an incorrect black ink cartridge for the black ink mode you're currently in, or loaded a cartridge containing the wrong type of ink for your printer (Photographic Dye or UltraChrome). Remove any cartridges indicated by a red **Ink Out** light on the control panel, and replace them with the correct cartridges.

Switching Between Black Ink Modes

If your printer uses EPSON UltraChrome ink, you can switch between black ink modes to optimize your black ink density. When you installed the cartridges that came with your printer, your printer was initialized in Photo Black Mode. You can switch between the three modes shown below:

Mode	Image and paper type
Photo Black Mode	For printing photographic images on all media types. Optimized for traditional photographic and ink jet-coated papers, such as EPSON Premium Luster Photo Paper, Photo Semigloss Paper, Premium Semimatte Photo Paper, etc.
Matte Black Mode	Optimized for printing photographic images on matte or plain papers, such as EPSON Enhanced Matte Paper, Smooth and Textured Fine Art Paper, and Somerset Velvet for EPSON, when the highest level of photographic quality is desired.
Dual Matte Black	For printing on matte or plain paper, such as newsprint and plain bond, when print speed is favored over photographic image quality.

Generally, you should switch black ink modes only if you plan to run a large number of print jobs in the new mode. Since it takes about 10 minutes to switch from one mode to another and consumes some ink, you shouldn't switch modes more often than necessary.

Preparing the Required Supplies

Before switching black ink modes, make sure you have all the required supplies. You need:

- the draining cartridge that came with your printer
- the new black ink cartridge(s) you plan to install

You may also need:

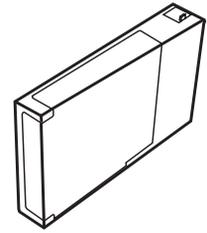
- one or more replacement color ink cartridges
- a new maintenance tank

See the following pages for details.



You can purchase replacement items for your printer from EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

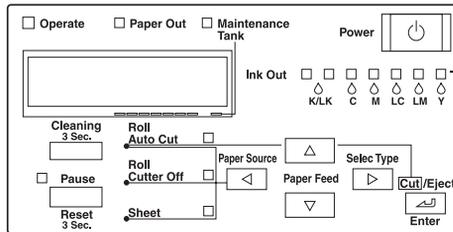
To switch black ink modes, you need the draining cartridge that came with your printer. This is an empty ink cartridge that looks similar to a regular 110 ml cartridge.



After deciding on the black ink mode you want to switch to, make sure you have the black ink cartridge(s) you'll be installing. In some cases, you'll be replacing only one of the cartridges.

Mode	Required cartridges
Photo Black Mode	Photo Black and Light Black
Matte Black Mode	Matte Black and Light Black
Dual Matte Black	Matte Black and Matte Black

Since this process consumes ink from the color cartridges as well as the black ones, you need to make sure there is enough ink in all the cartridges before you begin. Check the **Ink Out** lights on the control panel:

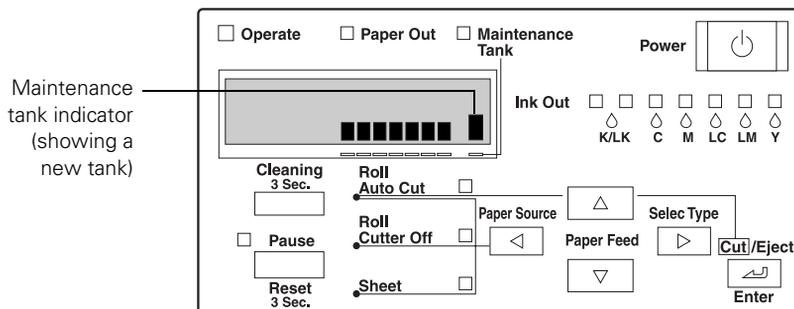


If an **Ink Out** light is on or flashing, you need to replace the cartridge before switching black ink modes

If there is not enough ink in one or more cartridges to carry out the procedure (5% or less), you'll need to replace the cartridges. If any cartridges are low on ink but not low enough to prevent the procedure from being carried out, you should still make sure you have replacements available, or you will be limited in how much you can print after switching black ink modes. See page 5-9 for ink cartridge part numbers.

If the printer's maintenance tank is almost used up, you'll need to replace it as well. The printer tells you during the process if it needs to be replaced, but you may wish to check it in advance; that way, you can make sure you have one available, in case it's needed.

Check the maintenance tank indicator on the control panel:



If the indicator is low, make sure you have a spare maintenance tank available (EPSON part number C12C890071).

Selecting the Black Ink Cartridges

Make sure you have all the needed supplies as described above. Once you remove the ink cartridges from the printer, you must not turn off the printer until you have finished switching black ink modes. Follow these steps to start the process and tell the printer which cartridges you want to install:

1. Make sure the printer is on and **READY** is displayed on the control panel.
2. Press the **SelecType** button. You see **PRINTER SETUP**.
3. Press **▼** until you see **MAINTENANCE**, then press **▶**. You see **PWR CLEANING**.
4. Press **▼** so you see **BK INK CHANGE**, then press **▶**. You see **EXEC**.

5. Press **Enter**. You see **SELECT INK SET**.

The printer gives you two choices for the new set of black ink cartridges, depending on which ones are already installed (press **▲** or **▼** to see the choices). For example, if you're currently in Photo Black Mode and you want to change to Matte Black Mode, you'll switch only the first cartridge to Matte Black, leaving the Light Black cartridge in place. (The printer indicates this option with **#1 MAT: #2 LBK.**) If you want to switch to Dual Matte Black Mode, you'll have to replace both cartridges with Matte Black. (The printer indicates this option with **#1 MAT: #2 MAT.**)

6. Make sure you know which cartridges you want to install, then press **▲** or **▼** until the correct set of cartridges is displayed.
7. Press **ENTER**.

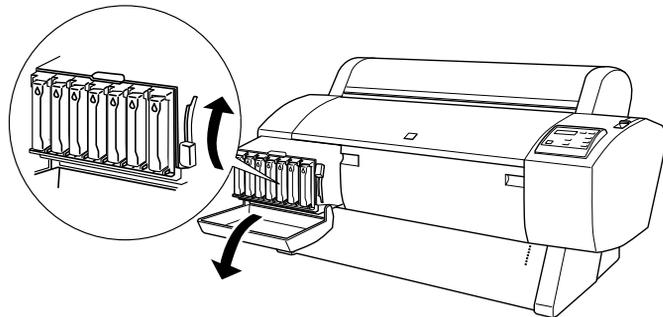
If you see the message **NOT ENOUGH INK**, lift the ink lever and remove any low or empty cartridges. (Check the **Ink Out** lights on the control panel to see which cartridges are low or empty.) Insert the replacement cartridge(s), then lower the ink lever.

8. The printer displays a message telling you to release the ink lever and remove the cartridges. Raise the lever and remove all the cartridges; do not re-insert them until instructed to do so.



Do not turn off the printer once the cartridges are removed.

If a power failure occurs, turn the printer back on. You can resume the procedure at the point where it was interrupted.



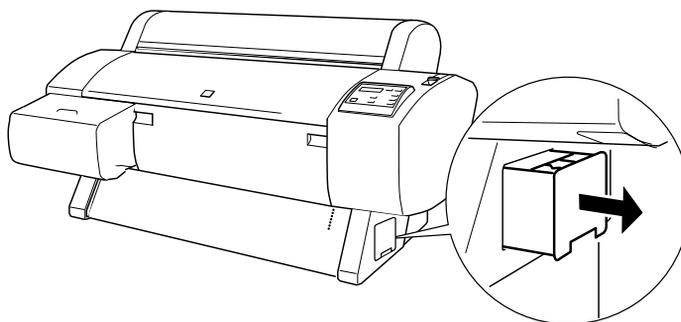
Be sure to set aside any black ink cartridges you won't be using, so that you don't accidentally re-insert them.



Be careful not to spill ink from the maintenance tank when removing it. Hold it upright at all times and dispose of it carefully.

Checking the Maintenance Tank

Once you have removed all the ink cartridges, you may see a message telling you to replace the maintenance tank. If so, pull out the tank from the side of the printer and replace it with a new one. If you don't see this message, continue on to the next section.



Draining the Ink

Once you have removed all the ink cartridges, you see a message that the printer is ready for draining. Follow these steps:

1. Insert the draining cartridge into the slot indicated on the control panel (#1 or #2 slot). The position is also indicated by the flashing Ink Out light.
2. Lower the ink lever. The printer begins draining the ink delivery system.
3. Once the draining is complete, the printer stops making noise and you see a message telling you to remove the draining cartridge.

If you are replacing both black ink cartridges, you see a message prompting you to insert the draining cartridge in the second slot. Once you do this, the draining process repeats a second time. If you don't see this message, continue on to the next section.

Charging the Ink

Make sure you have the correct black ink cartridges available for the black ink mode you're switching to. Then follow these steps:

1. Insert all the ink cartridges into the printer. Be sure to install the correct black ink cartridges for the black ink mode you're switching to.
2. Lower the ink lever. The printer begins charging the ink delivery system.
3. Once the charging is complete, the printer stops making noise and displays **READY** on the control panel.

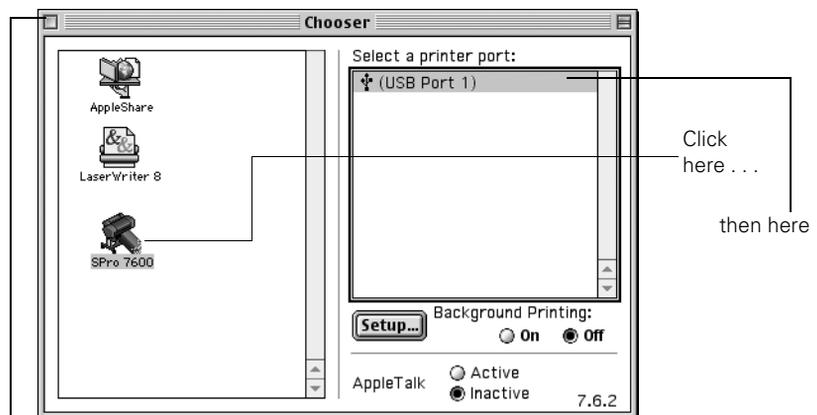
Continue on to the next section to update your printer driver software.

Updating the Driver

Once you have switched black ink modes, you need to update the driver (printer software) so that it knows which black ink mode you're using. Follow these steps:

Macintosh Users

1. Open the Chooser from the **Apple** menu.
2. Click the printer icon and port, as shown.

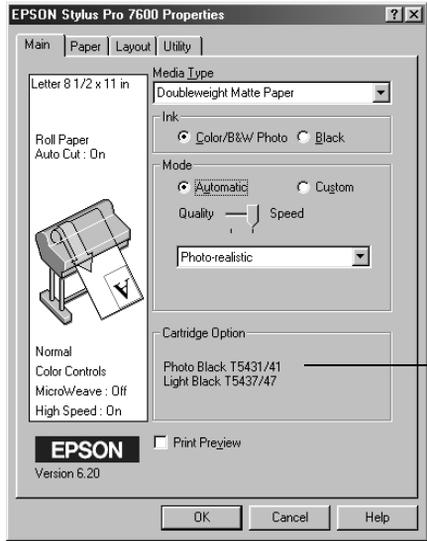


Close when done

3. Close the Chooser. This completes the black ink replacement.

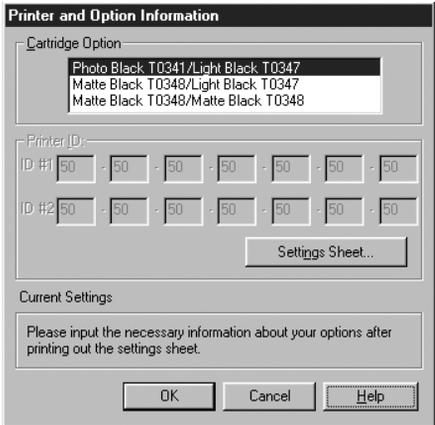
Windows Users

1. Click the **Main** tab in your printer software and make sure the correct ink cartridge information is displayed, as shown below.



Check black ink cartridge information here

2. If not, set the information manually. Click the **Utility** tab, then the **Printer and Option Information** button. Select one of the ink cartridge options shown below.



3. Click **OK** to exit the printer software. This completes the black ink replacement.



You can purchase replacement items for your printer from EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.



Do not try to slide the carriage by hand, or you may damage the printer.

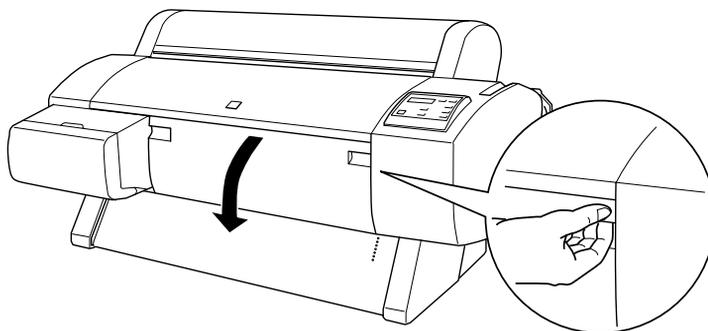
Replacing the Paper Cutter Blade

If you notice that your paper isn't cut cleanly, the cutter blade may need to be replaced. If you use the blade to cut heavy stock or non-EPSON media, you may need to replace it more often. You can check the status of your cutter by printing the status check sheet or viewing its status on the control panel. See for page 5-3 instructions.

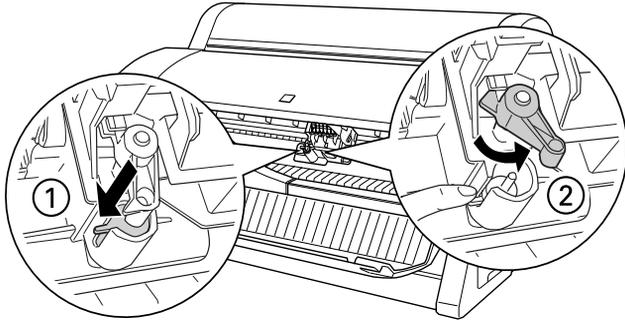
You can obtain a new cutter blade from EPSON (part number C12C815241).

Follow these steps to replace the blade:

1. Make sure that the printer is on and the front cover is closed.
2. Press the **SelecType** button on the control panel. You see **PRINTER SETUP**.
3. Press ▼ until you see **MAINTENANCE**, then press ►. You see **PWR CLEANING**.
4. Press ▼ until you see **CUTTER REPL**, then press ►. You see **EXEC**.
5. Press **Enter**. The carriage moves to the cutter replacement position.
6. You see a message on the control panel telling you to open the front cover. Open the cover to access the carriage.

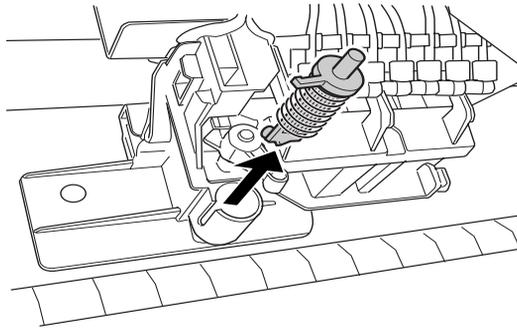


7. Push down on the side pin, then turn the latch to the right.

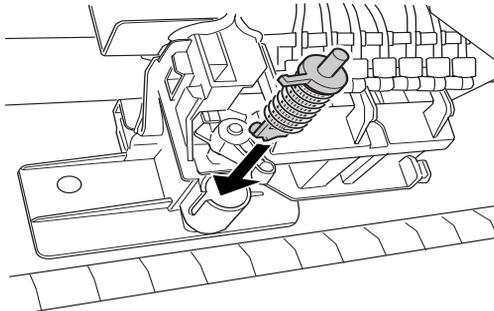


The blade is sharp.
Be careful when
removing it.

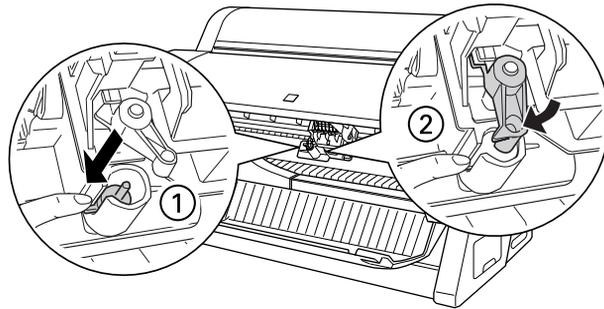
8. Carefully remove the cutter blade. Be careful not to lose the spring.



9. Insert the new cutter as shown.



10. Push down on the side pin while turning the latch to the left.



Do not try to slide the carriage by hand, or you may damage the printer.

11. Close the front cover. The carriage returns to the home position and the printer returns to its previous status.

Replacing the Maintenance Tank

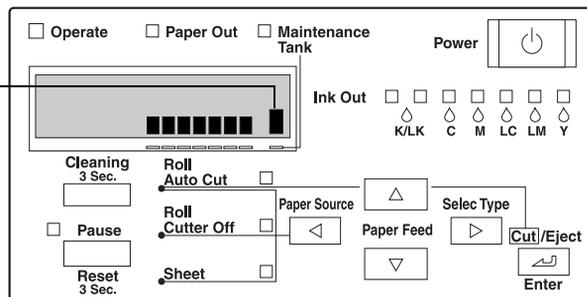
The maintenance tank stores ink that gets flushed from the system during automatic print head cleaning, or when you clean the print head nozzles or switch between black ink modes. When the tank is almost full, the **Maintenance Tank** light on the control panel flashes. When the tank is completely full, the printer stops working and the Maintenance Tank light stays on. You see the message **CHANGE MAINTENANCE TANK** on the control panel.

You can check how much space remains in the maintenance tank by viewing its indicator on the control panel, shown below. You can also check its status using the SelecType menu (see page 5-3) or by printing a nozzle check sheet (see page 5-4).



You can purchase replacement items for your printer from EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Maintenance tank indicator (showing a new tank)



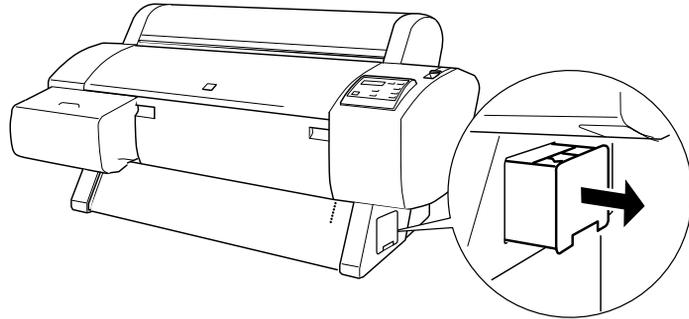
Replacement tanks are available from EPSON (part number C12C890071).

Follow these steps to replace the tank:

1. Make sure the printer is not printing or performing any other operations (READY or PAPER OUT should appear on the control panel).
2. Pull out the maintenance tank from the side of the printer.



Be careful not to spill ink from the maintenance tank when removing it. Hold it upright at all times and dispose of it carefully.



3. Insert the new tank.



Be careful not to touch the gears inside the printer.

To avoid damaging the components as well as the case, never use alcohol or thinners to clean the printer.

Be careful not to get water on the printer mechanism or electronic components.

Don't use a hard or abrasive brush.

Don't spray the inside the printer with lubricants; unsuitable oils can damage the mechanism. Contact your dealer or a qualified servicer if you think the printer needs lubrication.

Cleaning the Printer

To keep your printer working its best, you should clean it several times a year.

1. Make sure the printer is turned off and all the lights on the control panel are off. Then unplug the power cord and disconnect the printer from the computer.
2. Open the roll paper cover and remove the roll paper. Remove any sheet media from the printer. Then use a soft brush to carefully clean away any dust or dirt.
3. Close the roll paper cover.
4. Open the lower cover and use a soft brush to carefully clean away any dust or dirt inside the lower cover. Then close the cover.
5. Remove the paper basket. Then clean away any dust or dirt around the leg assembly using a soft brush.
6. If the outer case is dirty, clean it with a soft, clean cloth dampened with mild detergent. Keep the ink cartridge compartment closed to prevent water from getting inside.
7. If the area under the roll paper cover accidentally gets soiled with ink, wipe it off with a damp cloth.
8. To wash the paper basket, remove the shafts, then machine wash with mild detergent and air dry.

Transporting or Storing the Printer

If you are moving the printer a short distance (for example, in the same building), you can roll it on its stand. Follow the instructions on page 5-27. To ship the printer, you should repack it using the original box and packing materials. Follow the instructions below to prepare the printer for shipment.

If you need to store your printer for an extended period (two years for the Photographic Dye ink model, or six months for the UltraChrome ink model), contact EPSON for assistance (see page 3 for contact information). A service technician must drain all ink from the printer before storage.

Preparing the Printer for Shipment

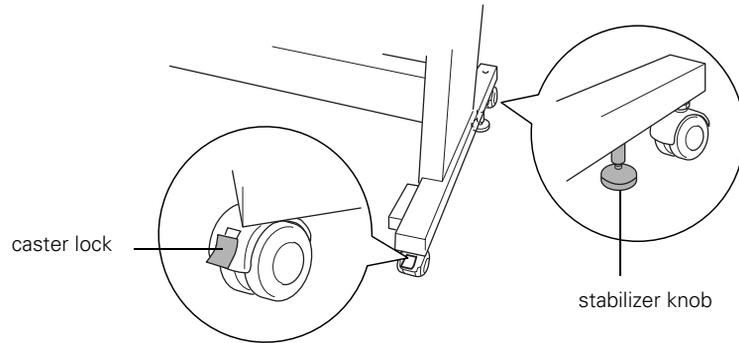
Follow the steps below to prepare the printer for shipment.

1. Contact EPSON as described on page 3. A service technician must drain all the ink from the printer before it can be shipped.
2. Once the ink is drained, turn off the printer and wait until the carriage moves to the home position (on the far right) and the **Operate** light goes off. Then unplug the printer.
3. Reinstall the carriage locking bracket (or screw) that was removed during setup. (See page 1-6 for the Stylus Pro 7600 or page 1-17 for the Stylus Pro 9600.)
4. Remove the following parts:
 - Power cord and interface cables
 - Paper basket
 - Roll paper spindle
 - All paper or other media
 - Optional auto take-up reel (if installed)
 - Optional manual cutter (if installed)
5. Make sure the ink cartridge lever is lowered and the ink cover is closed. Since the ink was drained from the printer, no ink cartridges should be installed.



It's a good idea to store partially used cartridges in separate, resealable plastic bags.

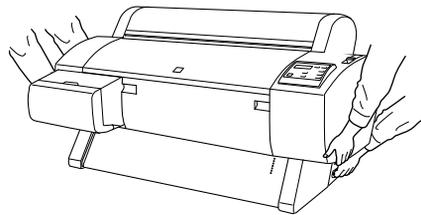
6. If the printer is mounted on a stand, you'll need to remove it from the stand. First make sure the casters are locked and the two stabilizer knobs are touching the floor.



The Stylus Pro 7600 weighs about 100 lb (50 kg) and should be lifted by two people.

The Stylus Pro 9600 weighs almost 200 lb (100 kg) and should be lifted by four people.

7. Remove the two wing nuts and lock washers securing the printer to the stand (underneath the printer). Keep them in a safe place.
8. Lift the printer using the hand grips where provided. (See the stickers located near the rear hand grips for the correct holding position.)



Stylus Pro 7600



Stylus Pro 9600

9. Keep the printer level while moving it.

Setting Up the Printer After Transportation

Setting up the printer after transporting it is almost identical to setting it up for the first time (see “Setting Up the Printer” on page 1-1).

Keep in mind that the first time you start printing after moving the printer, the print head nozzles may be clogged—especially if the printer hasn’t been turned on for a long time. You may need to run a cleaning cycle (page 1-37) and realign the print head (page 1-39) to ensure good print quality.

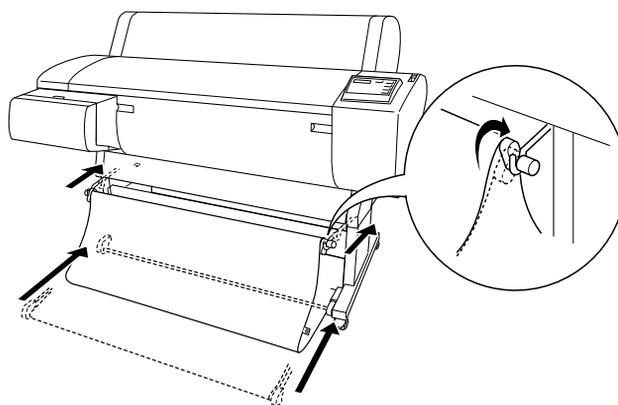


Do not roll the printer on angled or uneven surfaces.

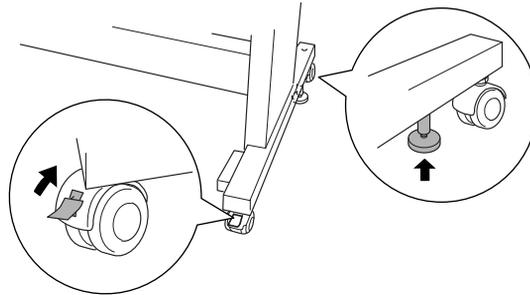
Moving the Printer on the Stand

When you need to move the printer a short distance, such as within the same building, you can roll the printer on its casters. Follow these steps:

1. Make sure the printer is turned off and the carriage is in the home position (on the far right). If not, turn the printer back on, wait until the carriage moves to the home position, then turn off the printer.
2. Disconnect the power cord and interface cable.
3. Make sure the printer covers are closed.
4. Fully insert the metal rods supporting the paper basket, then roll up the paper basket so it doesn’t drag on the ground.



5. Release the front casters and retract the stabilizer knobs.



6. Carefully roll the printer to its new location. Relock the casters and extend the stabilizer knobs after moving.

Uninstalling and Reinstalling the Printer Software

If you need to uninstall and then reinstall the printer software for any reason, follow the instructions in the appropriate section below.

Macintosh

1. Insert your printer software CD-ROM. Then double-click the CD-ROM icon to open it, if necessary.
2. Double-click the  icon.
3. Double-click the option for your printer.
4. Click **Continue** on the next screen.
5. Click **Accept** on the license agreement screen.
6. On the installer screen, click the arrow in the Easy Install list at the top and select **Uninstall**. Then click the **Uninstall** button at the bottom and follow the on-screen instructions.
7. If you want to reinstall your printer software, restart your Macintosh. Then follow the instructions beginning on page 1-33 to reinstall the software.

Windows

1. Double-click  **My Computer**, then double-click the **Control Panel** icon. (On Windows XP, click **Start > Control Panel**.)
2. Double-click **Add/Remove Programs**. Click **EPSON Printer Software** in the program list, then select your printer icon.
3. Click the **Add/Remove** button (**Change/Remove** button in Windows XP or 2000) and follow the on-screen instructions.
4. If you're using the USB port in Windows 98 or Me, click **EPSON USB Printer Devices** in the program list; then click the **Add/Remove** button.
5. If you want to reinstall your printer software, restart your computer. Then follow the instructions beginning on page 1-35 to reinstall the software.

Chapter 6: Solving Problems

As you use your printer, you may occasionally experience a problem. The first thing you should do is diagnose the problem following the guidelines in this chapter. Then try the most likely solutions until the problem is fixed.

This chapter provides instructions for the following:

- Diagnosing problems
- Using the control panel to check the printer
- Improving print quality
- Solving operational problems
- Solving miscellaneous printing problems
- Solving paper problems, including clearing paper jams

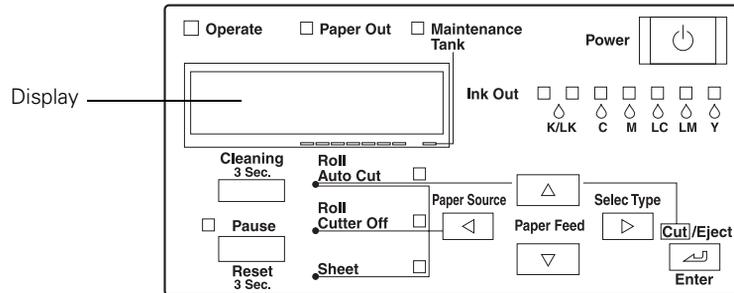
Diagnosing Problems

The EPSON Stylus Pro 7600 and 9600 include a number of ways to help you diagnose problems:

- To identify the most common problems, check the messages and lights on the printer's control panel. See page 6-2 for more information.
- If you're using the EPSON printer driver and Monitor3 (Macintosh) or Status Monitor 3 (Windows) utility, check your software for error messages. See Chapter 3 or 4 for more information.
- To determine whether the problem is caused by the printer itself, disconnect the printer from your computer and run a nozzle check from the control panel. See page 1-37 for instructions.
- If none of the suggested solutions in this chapter solve your problem, contact EPSON as described under "Where To Get Help" on page 3.

Using the Control Panel to Check the Printer

The control panel includes various lights and a display to indicate the status of the printer:



When your ink or paper runs out or a problem occurs, a message appears on the display, and the lights on the control panel come on or flash. The following table lists the messages alphabetically and includes an explanation and instructions for correcting the problem.

Error messages

Message	Light	Explanation	Response
INK LOW	Ink Out light(s) flashing	Ink cartridge(s) are nearly empty (printing continues).	Make sure you have replacement cartridges available. See page 5-8.
INK OUT	Ink Out light(s) on	Ink cartridge(s) are empty (printing stops).	Replace the ink cartridge(s) indicated by Ink Out light(s). See page 5-8 for instructions.
NOT ENOUGH INK	Ink Out light(s) on	Not enough ink is available to finish cleaning the print head.	Replace the ink cartridge(s) indicated by Ink Out light(s). See page 5-8 for instructions.
NO INK CARTRIDGE	Ink Out light(s) on	Ink cartridge(s) not installed.	Install ink cartridges as indicated by the lights. See page 5-8 for instructions.
WRONG INK CARTRIDGE	Ink Out light(s) on	You tried to install the wrong ink cartridge.	If you are installing ink cartridges for the first time, you must install the cartridges that came with your printer.
INVALID INK CARTRIDGE			If you are replacing ink cartridges, check the package and product code. You must use the ink cartridges designed for your printer. Other cartridges will not work.

Error messages (continued)

Message	Light	Explanation	Response
LOAD PAPER	Paper Out light on	Paper lever is in the released position (all the way back) while loading paper.	After you finish loading paper, pull the paper lever all the way forward, to the secured position.
LOAD ROLL PAPER LOAD SHEET PAPER	Paper Out light on	Paper source setting in printer software is different from control panel.	Make sure the right paper is loaded and the paper source setting is the same on the control panel and printer software.
PAPER JAM	Paper Out light flashing	Paper has jammed in the printer.	Remove the jammed paper. See page 6-16 for more information.
PAPER NOT CUT	Paper Out light flashing	Roll paper was not cut completely.	Cut the paper manually, then remove the cut paper from the printer. Reload paper, as described on page 1-25.
		Cut paper did not fall off.	Remove the cut paper from the printer. Reload paper.
PAPER NOT STRAIGHT	Paper Out light flashing	Paper slipped and fed into the printer at an angle.	Reload paper, making sure the edges are straight and aligned with the vertical row of holes at the paper exit.
PAPER OUT	Paper Out light on	No paper is loaded.	Load paper.
		Paper ran out.	Remove any printouts or paper remaining in the printer and load more paper. If the message appears during a print job, reset the printer by pressing the Pause button for 3 seconds. Then load paper and resend the job.
RELOAD PAPER	Paper Out light on	Paper could not be reversed into the printing position.	Remove the paper. Reload it so that the bottom edge is straight and aligned with the vertical row of holes at the paper exit.
		Image is too wide for the paper loaded in the printer.	Resize your image or load wider paper.
		Paper is not fully ejected.	Cut the paper at the paper insertion slot, then reload paper.
		PAPER NOT CUT error was cleared.	Reload paper.
REMOVE PAPER	Paper Out light on	Paper is too thick for head cleaning.	Pull the paper set lever out to remove the paper. Head cleaning automatically starts. After cleaning, reload paper.

6-4 | Solving Problems

Error messages (continued)

Message	Light	Explanation	Response
SET PAPER LEVER	Paper Out light on	Paper lever was released during the printing process or another operation.	Pull the lever all the way forward, to the secured position. Start printing again from the beginning for best results.
SET INK LEVER	—	The ink lever was left in the unlocked position.	Pull the lever down to lock the ink cartridges.
FRONT COVER OPEN	Pause light on	Front cover is open.	Close the front cover.
TURN PRINTER PWR OFF AND ON	—	This message appears after you clear a paper jam.	Press the Power button to turn the printer off and back on again.
UNABLE TO PRINT	—	You tried to print while an error condition was present or the ink compartment cover was open.	After 3 seconds the message disappears. Press the Pause button to exit SelectType mode. If the message appears again, clear the error before you print.
MAINTENANCE TANK ALMOST FULL	Maintenance Tank light flashing	The maintenance tank is almost full.	Make sure you have a replacement maintenance tank. See page 5-22.
CHANGE MAINTENANCE TANK	All lights flashing	The maintenance tank is full.	Replace the maintenance tank. See page 5-22 for instructions.
NO MAINTENANCE TANK	Maintenance Tank light is on	The maintenance tank is not installed.	Make sure the maintenance tank is fully inserted. See page 5-22 for instructions.
OPTION I/F ERROR	—	Wrong interface card installed.	Turn off the printer and remove the card. See the documentation that came with the card.
SERVICE REQ.	All lights flashing	An error has occurred.	Note the error number, then turn the printer off and back on. If the message remains, contact EPSON as described on page 3.

Error messages (continued)

Message	Light	Explanation	Response
MAINTENANCE REQ.	—	A printer part will need to be replaced soon.	Note the error number and contact EPSON as described on page 3. (If only the cutter blade is worn out, you can replace it yourself. See page 5-2 to check its status.)
COMMAND ERROR		You're using the wrong printer driver.	Make sure you installed the correct driver for your printer.
		Damaged data was sent to the printer.	To clear the data, press the printer's Power button to turn the printer off. Wait for about a minute, then turn the printer on again.

Improving Print Quality

You can often improve print quality by doing the following:

- Run a nozzle check and cleaning cycle. See page 5-4 for instructions.
- Align the print head. See page 5-6 for instructions.
- When you send a print job, make sure your print options are set correctly. For more information, see Chapter 3 (Macintosh) or 4 (Windows).

If none of these suggestions help, try the solutions below.

Print quality problems

Problem	Solution
Your print has horizontal banding.	<ul style="list-style-type: none"> • Check the Ink Out lights to see if you are low on ink. Replace ink cartridges if necessary, as described on page 5-8. • Run a nozzle check and cleaning cycle. See page 5-4 for instructions. • Make sure the Media Type setting in the printer software is correct for the media you're printing on. • If you're using cut sheet media, make sure the printable side is face up. • Choose a higher resolution, such as SuperPhoto - 2880dpi. <p>Try adjusting your paper configuration settings (page 3-14 for Macintosh or page 4-12 for Windows). Check these settings:</p> <ul style="list-style-type: none"> • Make sure the Paper Thickness setting is correct for the paper you're printing on. • If you're printing on thin paper that's getting saturated with ink, reduce the Paper Suction. • Use the Paper Feed Adjustment to tune out banding. • If you've created a custom paper profile, be sure to return the setting to standard (STD) when you're done using it. See page 2-23.

Print quality problems (continued)

Problem	Solution
Your print has vertical banding.	<ul style="list-style-type: none"> • Check the Ink Out lights to see if you are low on ink. Replace ink cartridges if necessary, as described on page 5-8. • Run a nozzle check and cleaning cycle. See page 5-4 for instructions. • Make sure the Media Type setting in the printer software is correct for the media you're printing on. • If you're using cut sheet media, make sure the printable side is face up. • Choose a higher resolution, such as 2880 dpi. • Deselect the High Speed setting in your printer software's Advanced dialog box. • Align the print head, as described on page 5-6. <p>You may need to adjust your paper configuration settings (page 3-14 for Macintosh or page 4-12 for Windows). Check these settings:</p> <ul style="list-style-type: none"> • Make sure Paper Thickness setting is correct for the paper you're printing on. • If you've created a custom paper profile, be sure to return the setting to standard (STD) when you're done using it. See page 2-23.
Colors are incorrect or missing.	<ul style="list-style-type: none"> • Make sure the Media Type setting in the printer software is correct for the media you're printing on. • If you're using cut sheet media, make sure the printable side is face up. • Run a nozzle check and cleaning cycle (see page 5-4). • Check the expiration date printed on each of the ink cartridges. If the cartridge is too old, replace it as described on page 5-8. • Check the Ink Out lights and replace ink cartridges if your ink supply is low, as described on page 5-8. • Make sure color settings in your application or printer software are correct.

6-8 | Solving Problems

Print quality problems (continued)

Problem	Solution
Your print has gaps or appears faint.	<ul style="list-style-type: none">• Check the expiration date printed on each of the ink cartridges. If the cartridge is too old, replace it as described on page 5-8.• Make sure the Media Type setting in the printer software is correct for the media you're printing on.• Run a nozzle check and cleaning cycle (see page 5-4).• Check the Ink Out lights and replace ink cartridges if your ink supply is low, as described on page 5-8.• The paper thickness setting is not correct for the paper you're printing on. Use your printer software (page 3-14 for Macintosh or page 4-12 for Windows) to choose the correct setting. When you're done printing with a custom paper profile, be sure to return the setting to standard (STD).• The platen gap setting is too wide. Use the control panel to change the setting to STANDARD, or to NARROW if printing on very thin paper. See page 2-19 for instructions.
Your print appears blurry or smeared.	<ul style="list-style-type: none">• Make sure the Media Type setting in the printer software is correct for the media you're printing on.• If you're printing on non-EPSON media, you may need to adjust the paper thickness setting or drying time. Use your printer software (page 3-14 for Macintosh or page 4-12 for Windows) to choose the correct setting. When you're done printing with a custom paper profile, be sure to return the setting to standard (STD).• Your paper doesn't meet the required specifications or wasn't stored in a dry, humidity-free environment. Load new paper.• If you're using cut sheet media, make sure the printable side is face up.• Ink has leaked into the paper path. Wipe the paper path area of the printer with a soft, clean cloth. See page 5-24 for cleaning instructions.• Deselect the High Speed setting in your printer software's Advanced dialog box.• The platen gap setting is too narrow. Use the control panel to change the setting to WIDE or WIDER. See page 2-19 for instructions.• Run a nozzle check and cleaning cycle (see page 5-4).

Print quality problems (continued)

Problem	Solution
The bottom edge of your print is smeared.	<ul style="list-style-type: none"><li data-bbox="392 286 1306 347">• The paper is curled toward the printable side. Flatten the paper or curl it toward the other side.<li data-bbox="392 355 1306 416">• Make sure the Media Type setting in your printer software is correct for the media you're printing on.<li data-bbox="392 425 1306 555">• If you're printing on non-EPSON media, you may need to adjust the paper thickness setting or drying time. Use your printer software (page 3-14 for Macintosh or page 4-12 for Windows) to choose the correct setting. When you're done printing with a custom paper profile, be sure to return the setting to standard (STD).<li data-bbox="392 564 1306 624">• If printing on thick paper, the platen gap setting may be incorrect. Use the control panel to change the setting to WIDE or WIDER. See page 2-19 for instructions.

Solving Operational Problems

If you can't turn the printer on, if it stops printing unexpectedly, or if nothing prints, check the following:

- The printer is turned on and the **Operate** light is on.
- Paper is loaded in the printer.
- The printer is plugged securely into a working electrical outlet that's not controlled by a switch or timer.
- The interface cable is securely connected to the printer and your computer.
- The voltage supplied by the electrical outlet matches the voltage on the printer's rating label. If not, turn off the power and unplug the power cord immediately. Contact EPSON for assistance. (See page 4 for details.)

If none of these suggestions help, try the solutions below:

Operational problems

Problem	Solution
The printer stops printing unexpectedly.	<ul style="list-style-type: none"> • If the Pause light is flashing, the printer is performing a maintenance procedure or waiting for ink to dry. Check the display message and lights on the control panel. Wait until the Pause light stops flashing. • Check the display message and lights on the control panel to see if an error has occurred. Follow the instructions for the messages beginning on page 6-2.
The printer sounds as if it's printing, but nothing prints.	<ul style="list-style-type: none"> • Follow the instructions beginning on page 5-4 to clean the print head.
Nothing prints.	<ul style="list-style-type: none"> • Turn off the printer and computer. Make sure the interface cable is securely plugged in. • Make sure the interface cable meets the required specifications. See page 4 or 5. • Make sure the interface cable is directly connected to the computer without passing through a printer switching device, Zip™ drive, or extension cable. • If you are using Windows NT 4.0, try uninstalling the EPSON Printer Port. Click Start, point to Programs and EPSON Printers, then click EPSON Printer Port Uninstall. Follow the messages on the screen.

Operational problems (continued)

Problem	Solution
Nothing prints (cont.)	<ul style="list-style-type: none"> The printer port setting doesn't match the printer connection port (Windows). <p>Windows Me, 98, or 95: Click Start, point to Settings and select Printers. Right-click the icon for your printer, then select Properties. Click the Details tab. Make sure your printer driver is selected in the Print using the following driver list. Then select the port to which your printer is connected in the Print to the following port list.</p> <p>Windows XP: Click Start, then select Control Panel. Double-click Printers and Other Hardware, then Printers and Faxes. Right-click the icon for your printer, then select Properties. Click the Ports tab and make sure your printer port is selected.</p> <p>Windows 2000 or NT 4.0: Click Start, point to Settings, and select Printers. Right-click the icon for your printer, then select Properties. Click the Ports tab and make sure your printer port is selected.</p> The printer driver doesn't have enough available memory (Macintosh). Quit all unnecessary applications. To increase the available memory in your Macintosh, select Control Panel from the Apple menu and double-click the Memory icon. You can increase the size of virtual memory to increase total available memory. Follow the directions beginning on page 5-28 to uninstall your printer software. Then locate your printer software CD-ROM and reinstall the software.

Solving Miscellaneous Printing Problems

If your printouts are not what you expected, try the suggestions below:

Miscellaneous printing problems

Problem	Solution
Your print has incorrect or garbled characters.	<ul style="list-style-type: none"> Make sure your software is installed correctly and the printer is selected. If you are using Windows NT 4.0, try uninstalling the EPSON Printer Port. Click Start, point to Programs and EPSON Printers, then click EPSON Printer Port Uninstall. Follow the messages on the screen. Clear any stalled print jobs from Monitor3 (Macintosh) or Spool Manager (Windows). Turn off the printer and computer. Make sure the interface cable is securely plugged in at both ends.

Miscellaneous printing problems (continued)

Problem	Solution
Your print has incorrect margins.	<ul style="list-style-type: none"> • Check the page size or paper size settings in your application. Make sure they are within the printer's printable area. • Make sure the Paper Size setting in your printer software is correct for the paper you're using. • Paper is loaded incorrectly. Follow the instructions in Chapter 1 or 2 to reload the paper. • The PAPER MARGIN (roll paper margin) setting on the control panel is incorrect. If you're using roll paper, check the setting for PAPER MARGIN on the Printer Setting Menu in your SelecType menus. See the <i>Reference Guide</i> on the CD-ROM that came with your printer for more information.
Your image is inverted.	<ul style="list-style-type: none"> • Turn off the Flip Horizontal setting in your printer software. See page 3-11 (Macintosh) or 4-10 (Windows) in this manual for instructions.
Blank paper is printed.	<ul style="list-style-type: none"> • Make sure your software is installed correctly and the printer is selected. • Make sure the Paper Size setting in your printer software is correct for the paper you're using. • Make sure the Paper Source setting in your printer software is correct.
A ruled line on your print appears to shift.	<ul style="list-style-type: none"> • Align the print head as described on page 5-6.
Color images print in black only.	<ul style="list-style-type: none"> • Make sure Color/B&W Photo is selected in your printer software.
The printer continues to feed paper after you have cancelled a job.	<ul style="list-style-type: none"> • Press the Pause button on the printer to clear any print job data in the printer's buffer. Then press and hold the Pause button to reset the printer.
Roll paper cannot be cut.	<ul style="list-style-type: none"> • The paper cutter blade may be dull. Follow the instructions on page 5-20 to replace the blade. • The paper may be too thick to cut with the built-in cutter. Cut the paper by hand with scissors or the optional utility cutter. • Make sure the Roll Auto Cut light on the control panel is on. Press the Paper Source button if necessary, and then press the Cut/Eject button.

Miscellaneous printing problems (continued)

Problem	Solution
Printing is too slow.	<ul style="list-style-type: none"> • Make sure High Speed is turned on in the Advanced dialog box of your printer software. • Choose a lower resolution in your printer software for faster printing. • Clear space on your hard drive or run a defragmentation utility. • Don't run too many applications at the same time. • Turn off virtual memory. • Add RAM to your system. • If you have a Macintosh, turn off background printing. If you want to continue using background printing, select EPSON Monitor3 and increase its memory requirements. • If you're running Windows and your computer supports ECP or Enhanced mode and/or DMA transfers, turn them on to speed up printing. See your computer documentation and page 4-18 for more information.

Solving Paper Problems

If paper feed or paper jam problems occur frequently, try one or more of the following solutions:

- When you're loading roll paper, make sure you line up the edge with the vertical row of holes at the printer's paper exit. Always turn the roll back to remove the slack. See page 1-25 for more information.
- For cut sheet paper, let the printer automatically load your paper so that it feeds correctly. Follow the instructions on page 2-15.
- For posterboard, follow the instructions on page 2-17 to load the media correctly.
- Make sure the paper is not folded, wrinkled, or damp.
- Make sure the printer's environment falls within the required temperature and humidity range.
- Make sure the paper is not too thick or too thin. See pages 2-1 and A-4 for paper specifications.
- Make sure no foreign objects are inside the printer.

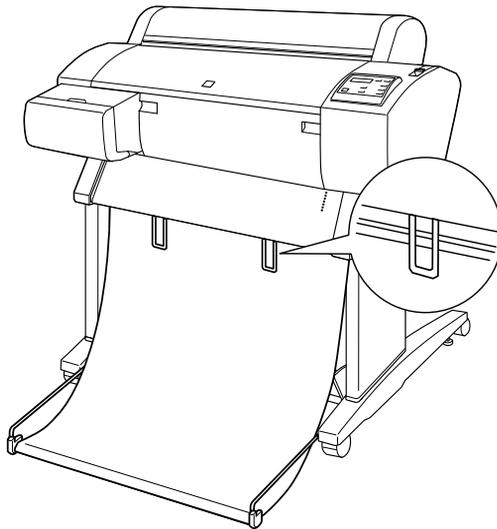
- Make sure the printer isn't located in a brightly lit area. The paper sensors may not operate correctly.
- Make sure the **Media Type** and **Paper Source** settings in the printer software are correct.
- Make sure the platen gap setting is correct for the paper or media you're printing on. See page 2-19 for more information.
- If you're not using EPSON media, make sure you profile the paper to adjust its thickness and drying time (see page 2-23).

Solving Roll Paper Feeding Problems

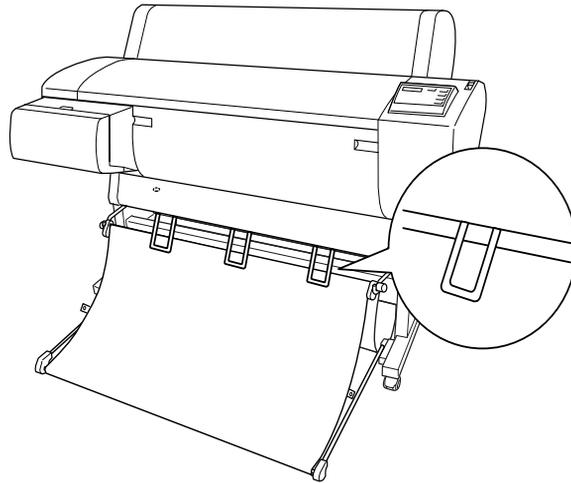
If your roll paper is curled too tightly and doesn't feed out of the printer, you can use the paper guides shown below to help it feed straight (two on the Stylus Pro 7600 and three on the 9600).



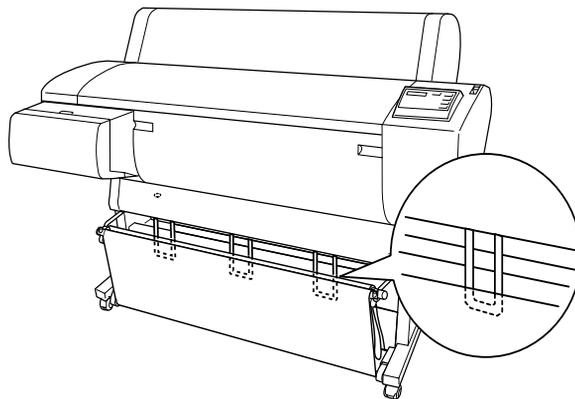
Use the paper guides only if paper is curled and doesn't feed properly. Otherwise, the paper guides may mar your prints.



- If you have the paper basket set up in front of the printer, adjust the paper guides out so they rest on the front of the basket.



- If you have the paper basket set up below the printer, adjust the paper guides so that they rest behind the basket.



If your paper is not curled and feeds properly without the guides, it's a good idea to remove them (squeeze them inward to detach them). This prevents your printouts from getting accidentally marred.

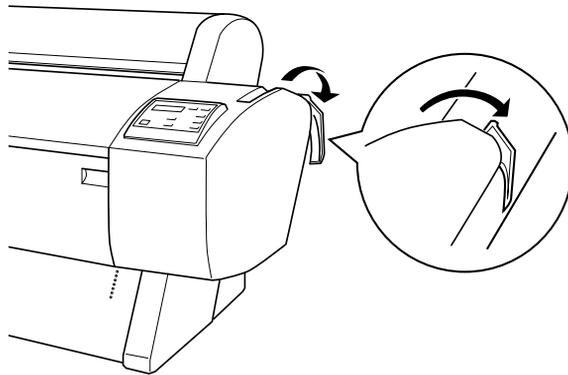
Clearing Paper Jams

When paper gets jammed in the printer, printing stops and you see a **PAPER JAM** message on the control panel display. Follow these steps to clear a paper jam:

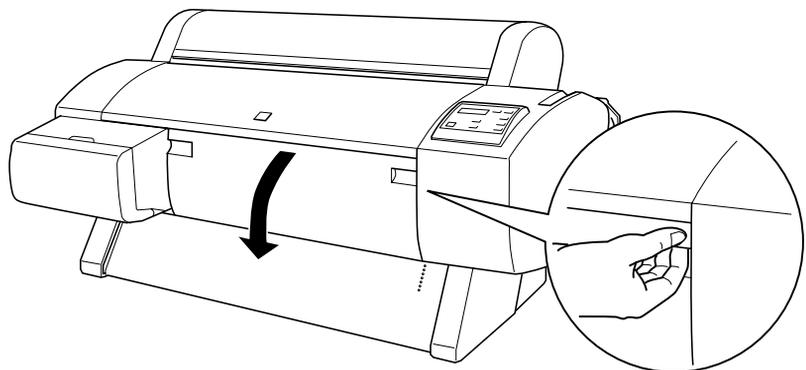
1. If roll paper is jammed, open the roll paper cover and cut it by hand slightly above the paper insertion slot.
2. Push back the paper lever to release the jammed paper.



To avoid damaging the printer, never move the paper lever while the **Operate** or **Pause** light is flashing.



3. Open the front cover if necessary.



4. Carefully pull down the jammed paper. Be careful not to damage the print head, in case the carriage has stopped over the paper.

Once the paper is removed, you see the message **TURN PRINTER PWR OFF AND ON** on the control panel.

5. Close the front cover, if necessary, then press the **Power** button to turn the printer off. Wait a few seconds, then press it again to turn the printer back on.
6. Make sure the **Paper Out** light is on and **LOAD PAPER** is displayed on the control panel. Then reload your paper.

Appendix A: Specifications

Printing



Additional specifications are provided in the *Reference Guide* included on the CD-ROM that came with your printer.

Printing method

7 color EPSON UltraChrome ink or
6 color EPSON Photographic Dye ink

UltraChrome ink model switchable between three black ink modes:

- Photo Black Mode
- Matte Black Mode
- Dual Matte Black Mode

Nozzle configuration

Color and monochrome heads: 96 nozzles × 7
(black 1, black 2, cyan, magenta, yellow, light cyan, light magenta)

Maximum print speed

190 ft² per hour

Maximum resolution

2880 × 1440 dpi

Engine reliability

Total print volume

20,000 B0 images (360 × 360 dpi)

Print head life

28 billion dots per nozzle

Periodic maintenance
(pump unit, head
cleaner, cap assembly)

Requires replacement approximately every
2 years based on 25% duty cycle

Cutter blade life
(user replaceable)

Approximately 2,000 B0+ sheets
(EPSON media up to 4.33 mil thick);
approximately 1,000 B0+ film sheets

Print direction

Bidirectional

Control code

EPSON ESC/P® Raster Photographic Driver

Paper feed speed

215 ± 10 milliseconds per 1/6-inch line

Line spacing

1/6 inch or programmable
in 1/1440-inch increments

RAM

32MB (Stylus Pro 7600)
64MB (Stylus Pro 9600)

Environmental

	Operation	Storage	Transit (stored in shipping container)
Temperature	50 to 95 °F (10 to 35 °C)	-4 to 104 °F (-20 to 40 °C) (1 month at 104 °F)	-4 to 140 °F (-20 to 60 °C) (120 hours at 140 °F)
Humidity (without condensation)	20 to 80% RH	20 to 85% RH	5 to 85% RH

Dimensions and Weight

	Stylus Pro 7600	Stylus Pro 9600
Height	22.0 inches (560 mm)	46.5 inches (1181 mm)
Width	43.3 inches (1100 mm)	63.9 inches (1624 mm)
Depth	22.5 inches (572 mm)	28.2 inches (717 mm)
Weight	96 lb (43.5 kg), without stand	185 lb (84 kg), with stand

Electrical

Specification	Description
Input voltage range	120 V (90 to 132 V) or 220 V (208 to 264 V)
Rated frequency range	50 to 60 Hz
Input frequency range	49 to 61 Hz
Rated current	1.0 A at 120 V 0.5 A at 220 V
Power consumption	Approx. 55 W (ISO 10561 letter pattern) 15 W or less in standby mode 0.7 W or less in power off mode

Check the label on the back of your printer for voltage information.

Printer Interfaces

- USB (1.1 and 2.0 compatible)
- Parallel (IEEE-1284 ECP Mode)

In addition, a Type-B expansion slot is available for installing one of these options:

- Ethernet network card (10/100 Base T)
- IEEE 1394 (FireWire) card

Safety Approvals

Safety standards UL 1950, CSA 22.2 No. 950 FDA

EMC FCC part 15 subpart B, class B, CSA C108.8 class B

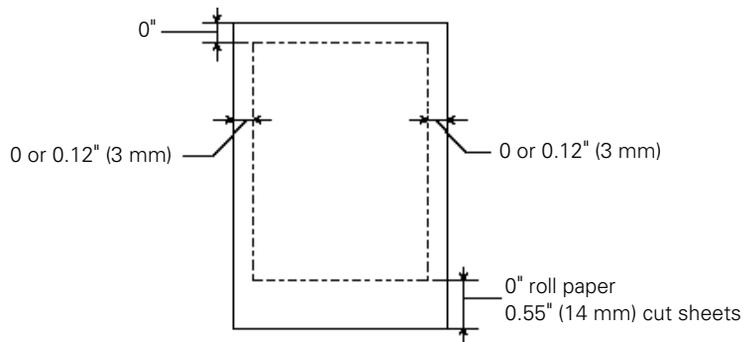
Paper

Maximum printable width	24.16 inches (Stylus Pro 7600) or 44.16 inches (Stylus Pro 9600)
Maximum printable length	Up to 100 feet (limited by roll length and software application)
Weight range	12 lb bond up to 1.5 mm posterboard
Roll paper compatibility	Handles both 2- and 3-inch cored media
Maximum roll paper diameter	4 inches (2-inch core) or 6 inches (3-inch core)

Poor quality paper may reduce print quality and cause paper jams or other problems. If you encounter problems, switch to a higher grade of paper. Do not use curled, folded, or deckle-edge paper.

Printable Area

Minimum margins for roll paper and cut sheets:



Default roll paper margins are 0.55 inches (14 mm) top and bottom, and 0.12 inches (3 mm) right and left. Using the printer software, you can set either all the margins, or just the left and right margins, to zero.

BorderFree printing is available for these media widths:

Stylus Pro 7600: 8, 10, 12, 14, 16, 20, and 24 inches

Stylus Pro 9600: 8, 10, 12, 14, 16, 20, 24, 36, and 44 inches

Ink Cartridges

Lightfastness*

Photographic Dye	Color: up to 26 years (using EPSON ColorLife paper) Black and white: Not rated
UltraChrome	Color: up to 100 years Black and white: over 100 years

Cartridge life

Photographic Dye	2 years from production date
UltraChrome	2 years from production date if unopened; within 6 months after opening package, at 77 °F (25 °C)

Temperature

Storage (uninstalled)	-22 to 104 °F (-30 to 40 °C); 1 month at 104 °F
Storage (installed)	-4 to 104 °F (-20 to 40 °C); 1 month at 104 °F
Transit	-22 to 140 °F (-30 to 60 °C); 1 month at 104 °F, 120 hours at 140 °F
Freezing	5 °F (-15 °C); ink thaws and is usable after at least 3 hours at 77 °F (25 °C)

Capacity 110 or 220 ml (UltraChrome ink only)

* Preliminary data from Wilhelm Imaging Research, Inc. indicate the lightfastness of color UltraChrome prints made by the EPSON Stylus Pro 7600 and 9600 printers will be rated up to 100 years under glass on specific EPSON media. Data indicate the lightfastness of black and white UltraChrome images printed using the 7-color mode will be rated as greater than 100 years under glass on specific EPSON media.

Ink lightfastness ratings are based on accelerated testing of prints on specialty media, displayed indoors, under glass. Actual print stability will vary according to media, printed image, display conditions, light intensity, humidity, and atmospheric conditions. EPSON does not guarantee longevity of prints. For maximum print life, display all prints under glass or lamination or properly store them. Visit www.wilhelm-research.com for the latest information.

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