



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

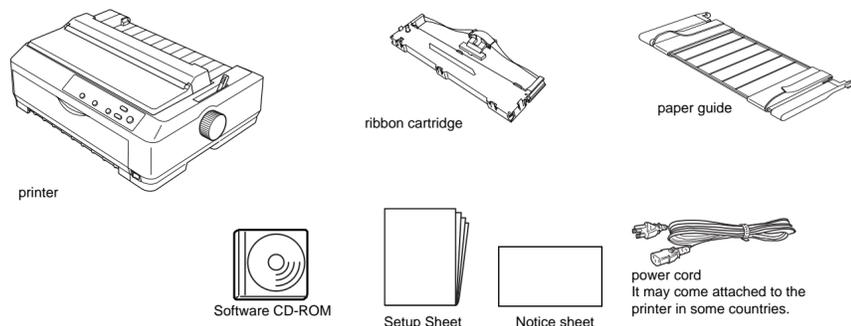


**Cautions** must be observed to avoid damage to your equipment.

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

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## 1 Unpacking the Printer



### Remove the protective materials

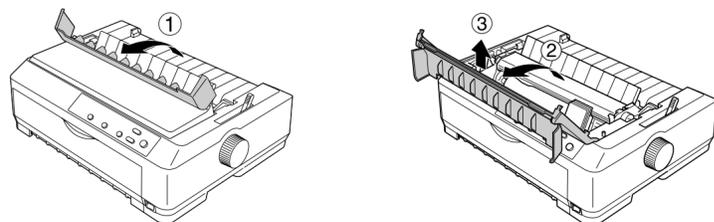
Follow the directions on the Notice Sheet to remove the protective materials.

Save all packing and protective materials in case you need to ship the printer in the future.

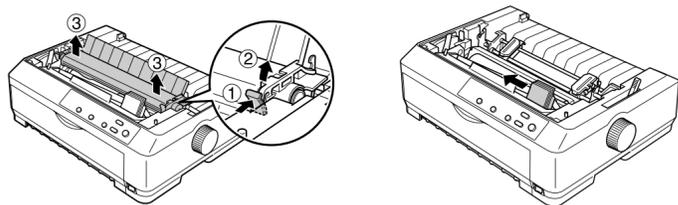
## 2 Assembling the Printer

1. Make sure the printer is turned off and unplugged.

2. Open the paper guide and printer cover, then pull them up to remove them.

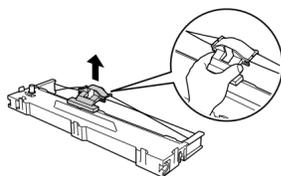


3. Remove the paper tension unit by pressing the tabs on each side of the unit upward and pull it up. Then, move the print head by hand to the middle of the printer.

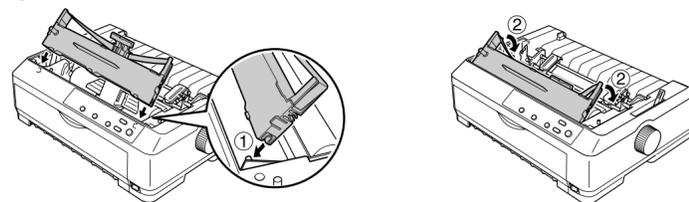


4. Remove the ribbon cartridge from the package.

5. Hold both sides of the ribbon guide and pull it until it is out of the cartridge.



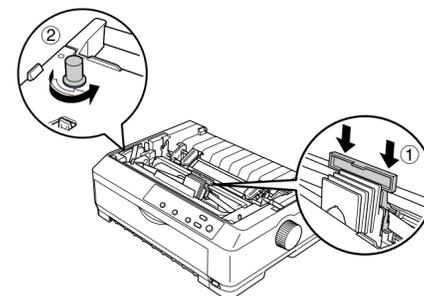
6. Insert the ribbon cartridge into the printer at an angle as shown below, then press firmly on both sides of the cartridge to fit the plastic hooks into the slots on the printer.



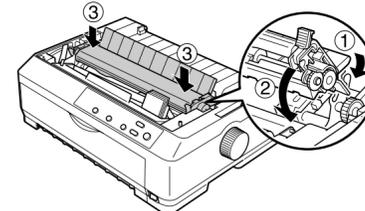
7. Slide the ribbon guide into the print head until it clicks in place. Turn the ribbon-tightening knob to help feed the ribbon into place.

### ! Caution:

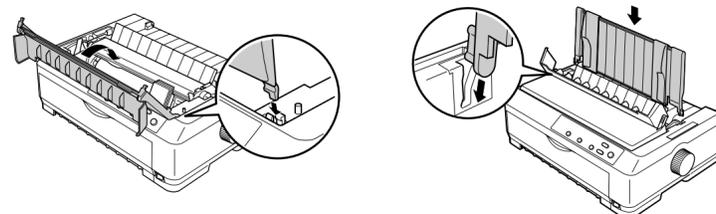
- ❑ The ribbon should not be twisted or creased.
- ❑ When inserting the ribbon guide, press firmly until it clicks.



8. Reinstall the paper tension unit by lowering it onto the printer's mounting pegs. Then press down on both ends of the unit until it clicks into place.



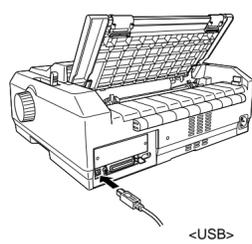
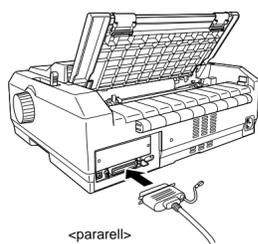
9. Replace the printer cover by inserting the front tabs into the slots on the printer and lowering the cover into place. Then push it down until it clicks. Finally, attach the paper guide.



## 3 Connecting the Printer to Your Computer

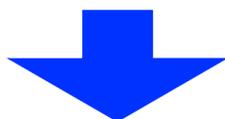
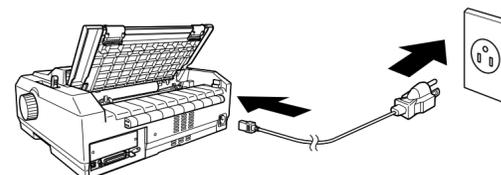
### Connecting the printer

Make sure both the printer and computer are turned off, then connect the interface into the printer and computer. Use USB or parallel cable to connect the printer and computer.



### Plugging in the Printer

Make sure the printer is turned off, then plug the power cord into the printer's AC inlet and a properly grounded electrical outlet.



# 4 Installing the Printer Software

## Installing the software in Windows Me, XP or 2000

### Note:

Installing the printer software for Windows XP or 2000 may require administrator privileges. If you have problems, ask your administrator for more information.

1. Make sure that the printer is turned off.
2. Insert the printer software CD-ROM into the CD-ROM drive. The Install dialog box appears.

### Note:

If the Installer dialog box does not appear, double-click **Setup.exe** in the CD-ROM.

3. Select **Install Software**, and click **OK**.
4. Select your printer, then follow the instructions on the screen.



## Installing the software in Windows 98, 95, or NT 4.0

### Note:

Installing the printer software for Windows NT 4.0 may require administrator privileges. If you have problems, ask your administrator for more information.

The examples in the following section are from the Windows 98 operating system. They may vary in appearance from what actually appears on your screen; however, the instructions are the same.

1. Make sure that the printer is turned off, then insert the printer software CD-ROM into the CD-ROM drive. The install dialog box appears.

### Note:

If the Installer dialog box does not appear, double-click **Setup.exe** in the CD-ROM.

2. Select **Install Software**, and click **OK**.
3. Select your printer, then click **OK** and follow the instructions on the screen.
4. When prompted, insert your Windows CD-ROM, and click **OK**. When the Windows installation screen is displayed, close the screen to continue with the driver installation.

### Note:

If your PC shipped with Windows pre-installed, Setup may complete without requiring the Windows CD-ROM, and your printer is ready to use.

If you receive a message saying the drive is not accessible, click **Cancel** and try again.

If you are using Windows NT, please go to step 5.

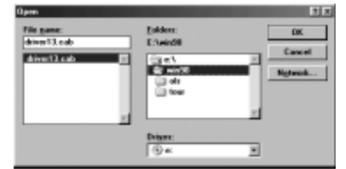
5. Click **Browse** to select the appropriate path for the printer driver, then click **OK** and follow the instruction on the screen.

### Note:

If you are using Windows NT, insert your Windows CD-ROM when prompted on the screen.



6. Select the appropriate file in the folder, then click **OK**.



7. When prompted, insert the Printer Driver Software CD-ROM, then click **Browse** to select the appropriate path.

### Note :

If you receive a message saying the drive is not accessible, click **Cancel** and try again.

If a "System Error" message appears, click **Cancel**. The exact message differs depending on your version of Windows.

If you are using Windows NT, you do not need to specify a path.

If you are using Windows 98, the Printer Utility Setup may start. If it does, follow the instructions on the screen.

8. Setup is complete. Your printer is ready to use.



## For DOS programs

To control the printer from DOS application programs, you need to select the printer you are using.

If the list in your application does not include your printer, choose the first available printer from the list below.

Choose the EPSON printer at the appropriate step in the installation or setup procedure. If the list in your application does not include your printer, choose the first available printer from the list below:

For FX-890	For FX-2190
FX-980	FX-2180
FX-880+	FX-2170
FX-880	FX-1180+
FX-870	FX-1180
FX-850	FX-1170
FX-800	FX-1050
FX-85	FX-1000
FX-80+	FX-105
FX-80	FX-100+
	FX-100

Once the printer software has been successfully installed onto your computer, your printer is ready to use.

## Using the Reference Guide

The *Reference Guide* provides detailed information on the Printer's functions, optional products, Printer software, troubleshooting, and technical specifications.

Follow these steps to access the *Reference Guide* from the CD-ROM:

1. Insert the printer software CD-ROM in the CD-ROM drive.
2. Double-click **User Guides** from the screen. The online guide dialog box appears.



## Safety and Environmental Information

### Hot Parts Caution Symbol



This symbol is placed on the print head and other parts to indicate that they may be hot. Never touch those parts just after the printer has been used. Let them cool for a few minutes before touching them.

### Important Safety Instructions

Read all of these safety instructions before using the printer. In addition, follow all warnings and instructions marked on the printer itself.

#### Caution:

Be sure the AC power cord meets the relevant local safety standards.

- Use only the type of power source indicated on the printer's label.
- Connect all equipment to properly grounded power outlets.
- Do not use a damaged or frayed power cord.
- If you use an extension cord with the printer, make sure the total ampere rating of all devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Unplug the printer before cleaning it, and always clean it with a piece of damp cloth only.
- Do not spill liquid onto the printer.
- Except as specifically explained in this guide, do not attempt to service the printer yourself.
- 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 printer has been dropped or the cabinet damaged.
  - If the printer does not operate normally or exhibits a distinct change in performance.

- If you plan to use the printer in Germany, observe the following:
  - To provide adequate short-circuit protection and over-current protection for this printer, the building installation must be protected by a 10- or 16-amp circuit breaker.

#### Note for German-speaking users:

Bei Anschluss des Druckers an die Stromversorgung muss sichergestellt werden, dass die Gebäudeinstallation mit einer 10 A- oder 16 A-Sicherung abgesichert ist.

### Choosing a Place for the Printer

- Do not place the printer on an unstable surface or near a radiator or heat source.
- Do not block or cover the slots and openings in the printer's cabinet, and do not insert objects through the slots.
- Place the printer on a flat, stable surface. The printer will not operate properly if it is tilted or placed at an angle.
- Place the printer where you can easily connect it to a network interface cable, if necessary.
- Leave adequate room around the printer for easy operation and maintenance.

- Avoid using or storing the printer in places subject to rapid changes in temperature and humidity. Keep it away from direct sunlight, strong light, heat sources, or excessive moisture or dust.
- Avoid places subject to shocks and vibrations.
- Place the printer near a wall outlet where you can easily unplug the power cord.
- Keep the entire computer system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.
- Avoid electrical outlet controlled by wall switches or automatic timers. An interruption in power can erase information in the memory of your printer or computer. Also avoid outlets on the same circuit as large motors or other appliances that can cause voltage fluctuations.
- Use a grounded power outlet; do not use an adapter plug.
- If you plan to use a printer stand, follow these guidelines:
  - Use a stand that can support at least 22 kg (48.5 lb) for FX-890 or 28 kg (61.7 lb) for FX-2190.
  - Never use a stand that tilts the printer. The printer should always be kept level.
  - Position your printer's power cord and interface cable so they do not interfere with paper feeding. If possible, secure the cables to a leg of the printer stand.

### For United Kingdom Users

#### Use of options

Epson (UK) Limited shall not be liable against any damages or problems arising from the use of any options or consumable products other than those designated as Original EPSON Products or EPSON Approved Products by Epson (UK) Limited.

### Safety information



#### Warning:

This appliance must be earthed. Refer to the rating plate for voltage and check that the appliance voltage corresponds to the supply voltage.

#### Important:

The wires in the mains lead fitted to this appliance are coloured in accordance to the following code:

Green and yellow — Earth

Blue — Neutral

Brown — Live

#### If you have to fit a plug:

As the colours of the mains lead of this appliance may not match coloured markings used to identify the terminals in a plug, please proceed as follows:

The green and yellow wire must be connected to the terminal in the plug which is marked with the letter E or the Earth symbol (⏚).

The blue wire must be connected to the terminal in the plug marked with the letter N.

The brown wire must be connected to the terminal in the plug marked with the letter L.

If damage occurs to the plug, replace the cord set or consult a qualified electrician.

Replace fuses only with a fuse of the correct size and rating.