Canon

imageFORMULA
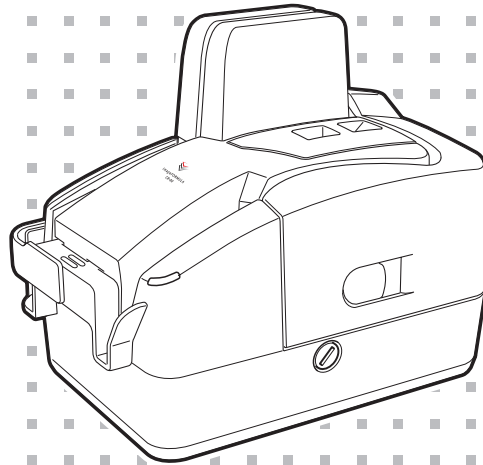### CR-50
CR-80

Installation Guide

♦ **Please read this manual before operating this scanner.**

READ CAREFULLY BEFORE OPENING THE SEALED DISK PACKAGE

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■ **FCC REGULATIONS (For 120V model)**

Check Reader, Model M111101/M111102

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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.

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A. Inc.

One Canon Plaza, Lake Success NY 11042, U.S.A.

Tel. No. (516)328-5000

■ **RADIO INTERFERENCE REGULATIONS (For 120V models)**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry Canada.

■ **RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE (For 120V models)**

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le materiel brouilleur: "Appareils Numériques", NMB-003 édictée par l'Industrie Canada.

■ **International ENERGY STAR® Office Equipment Program**

As an ENERGY STAR® Partner, CANON ELECTRONICS INC. has determined that this machine meets the ENERGY STAR® Program guidelines for energy efficiency.

The International ENERGY STAR® Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment.

The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment, such as computers, monitors, printers, fax, machine, copiers, and scanners. The standards and logos are uniform among participating nations.

Important Notice for ENERGY STAR Office Equipment Program.

This model doesn't provide "setting options" for power management.

■ **European Union (and EEA) only.**

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com/environment.

(EEA: Norway, Iceland and Liechtenstein)

■ **Für EMVG**

Dieses Produkt ist zum Gebrauch im Wohnbereich, Geschäfts-und Gewerbebereich sowie in Kleinbetrieben vorgesehen.

■ **Model Names**

The following names may be provided for the safety regulations in each sales region of the Check Reader.

CR-50: Model M111101

CR-80: Model M111102

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INTRODUCTION

Thank you for purchasing the Canon Check Reader CR-50/80. Please read this manual thoroughly before using the machine in order to familiarize yourself with its capabilities, and to make the most of its many functions.

Manuals for the CR-50/80

The following manuals are provided with the CR-50/80. Be sure to read these manuals thoroughly before using the scanner. (The Installation Guide and the Operation & Maintenance Guide are extracted from the Instructions.) Electronic manual is stored as a PDF file on the supplied Setup Disc and requires Adobe Reader to open. (You can download Adobe Reader from the Adobe Web site.)

Installation Guide (Supplied with the scanner/Electronic Manual): This Manual
Describes the procedure for setting up the CR-50/80 for scanning. Set up the CR-50/80 in accordance with the Installation Guide. For details on the CR-50/80, refer to the *Instructions* (electronic manual).

Operation & Maintenance Guide (Supplied with the scanner/ Electronic Manual)
Describes the basic operations for using the CR-50/80, troubleshooting, and maintenance. For details on the settings of the CR-50/80, refer to the *Instructions* (electronic manual).

Instructions (Electronic Manual)
Describes how to use the scanner, and includes instructions for configuring the scanner settings, as well as handling, maintenance, and troubleshooting information.

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

⚠ WARNING

Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.

⚠ CAUTION

Indicates a caution concerning operations that may lead to injury to persons, or damage to property if not performed correctly. To use the machine safely, always pay attention to these cautions.

ⓘ IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damaging the machine.

📖 NOTE

Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Table of Contents

Important Safety Instructions

Handling

⚠ WARNING

■ Never install and operate the scanner near flammable substances, such as alcohol, paint thinner, benzene, or any other type of volatile solution.

■ Never damage or modify the power cord, and never place heavy objects on the power cord.

■ Always make sure that your hands are dry when you are handling the power cord or power plug. Never grasp the power plug when your hands are wet.

■ Never plug the scanner into a multiplug power strip.

■ Never bundle, wrap, or tie the power cord around itself or another object. Connect the power plug securely into the power outlet.

■ Use only the power cord and power plug provided with the scanner.

■ Never attempt to disassemble or modify the scanner.

■ Never use flammable aerosol products near the scanner.

■ Before you clean the scanner, turn the power OFF and disconnect the power cord from the power outlet.

■ To clean the scanner's exterior, use a firmly wrung cloth, moistened slightly with water or mild detergent. Never use any type of volatile solution, such as alcohol, benzene or paint thinner.

■ If you hear strange sounds, detect smoke or abnormal heat, sense vibration, or smell odd odors around the scanner, turn OFF the power switch immediately and disconnect the power cord from the power outlet. Contact your local authorized Canon dealer or service representative to have the scanner serviced.

■ Handle the scanner with care. Avoid shock and vibration to the scanner caused by reckless handling. If you suspect the scanner has been accidentally damaged, turn OFF the power switch immediately and disconnect the power cord from the power outlet. Contact your local authorized Canon dealer or service representative to have the scanner serviced.

■ Before you move the scanner, always turn OFF the power and disconnect the power cord from the power outlet.

■ This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please be away from this product and consult your doctor.

⚠ CAUTION

■ To avoid damage to the scanner, never place the scanner on an unstable or vibrating surface. The scanner may tip or fall over, causing injury.

■ Keep all liquids, beverages, or any type of liquid, and clips, staples, necklaces, or other metal objects away from the scanner. If you accidentally spill liquid or drop a metal object into the scanner, turn OFF the power immediately and disconnect the power cord from the power outlet. Contact your local authorized Canon dealer or service representative to have the scanner serviced.

■ Never install the scanner in humid or dusty locations. Doing so may cause a fire or electrical shock.

■ Never place heavy objects on top of the scanner, as these objects may tip or fall over, and cause injury.

■ When you remove the power cord, grip it by the power plug head. Never attempt to disconnect the power cord from the power outlet by pulling on the power cord. Doing so may damage or expose the cord's internal wiring, and cause a fire or electrical shock.

■ Keep the area around the power outlet clear of all obstacles so you can disconnect the power cord easily at all times.

■ Never spill water or volatile solutions (alcohol, benzene, paint thinner) into the scanner. Doing so may cause a fire or electrical shock.

■ When the scanner is not being used for a long period of time, disconnect the power cord from the power outlet.

■ Avoid wearing loose fitting clothing, dangling jewelry, long ties, or long hair that could become entangled with moving parts, especially the rollers that feed paper into the scanner. If such objects become entangled, immediately disconnect the power plug from the power outlet to stop the scanner.

■ Be careful when you are loading a document or clearing a paper jam. It is possible that the paper edges may cut your fingers.

■ Do not open the Maintenance Cover while the scanner is operating. Doing so may result in a malfunction or injury.

■ Do not touch the pins and contacts on the scanner's connector with your hands. Doing so may result in a malfunction.

Disposal

When disposing of this scanner, be sure to follow all local ordinances and laws or consult with the retailer who sold you the scanner.

Installation Location

For operation, maintenance, and ventilation, make sure that there is enough space around the scanner.

Avoid placing the scanner in the following places. It may cause a malfunction and adversely affect the scanner or your computer.

● Places exposed to direct sunlight
  If installation in such places is unavoidable, provide a curtain or similar object to shade the scanner.
● Places subject to dust and fumes
  Dust and cigarette fumes adversely affect the components inside the scanner.
● Near running water, a heat source, water vapor, or in an area, such as a laboratory exposed to ammonia gas, paint thinner, or other volatile chemicals
● Places subject to excessive vibration and shock
● Places subject to rapid changes in temperature or humidity
  Condensation occurring inside the scanner may impair image quality. Place the scanner in a room that is within the following range:
    Room temperature: 10°C to 32.5°C (50°F to 90.5°F)
    Relative humidity: 20% to 80% RH
                       20% to 50% RH when using the imprinter
  Use the recommended operating environment for the ink cartridge when using the imprinter.
● Near electronic equipment or heavy equipment that generates a strong magnetic field, such as a speaker, TV, and radio

Power Supply

● Connect only to a power outlet of the rated voltage and power supply frequency (either 120 V, 60 Hz or 220-240 V, 50/60 Hz, depending on your region).
● Make sure that the scanner is connected to an independent power outlet. Do not plug the scanner into an outlet shared with another device. If you use an extension cord, make sure that the extension cord is rated for the current requirements of the scanner.
● If you are unsure of anything relating to the power supply, contact your local authorized Canon dealer or service representative for further information.
● Never place an object on top of the power cord or step on the power cord.
● Never bundle the power cord or wrap the cord around an object, such as a table leg.
● Do not tug on the power cord. When you remove the power cord, grip it by the power plug head.
● Keep the area around the power outlet free of obstacles.
● Connect only to a power outlet of the rated voltage and power supply frequency (either 120 V, 60 Hz or 220-240 V, 50/60 Hz, depending on your region).
● Do not connect to power outlets with other electrical devices. Also, when using an extension cord, make sure that the extension cord is rated for the current requirements of the scanner.
● Disassembling and/or reassembling the AC adapter is extremely dangerous and should not be attempted under any circumstances.
● Do not place heavy objects on the AC adapter or power cord. Do not place the adapter or cords in an area where they are likely to be stepped on.
● Do not use the power cord while it is bundled.
● Never pull directly on the power cord. To remove the plug from the outlet, grasp the plug directly and remove it from the outlet.
● Keep the area around the power plug clear of articles so that the power plug can be disconnected in an emergency.
● Use only the AC adapter provided with the product. Do not use the scanner's AC adapter with any other product.
● If you have any questions about the AC adapter, contact your local authorized Canon dealer or service representative for further information.

Moving the Scanner

When you move the CR-50/80, hold it firmly with both hands and carry it carefully. Do not hold the scanner by the Eject Stopper. The scanner weighs approximately 2 kg (4.4 lb).
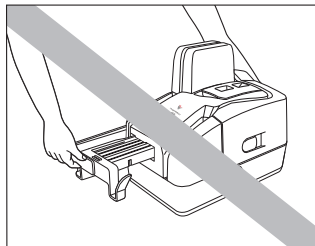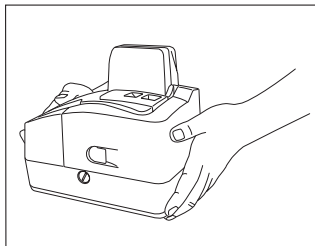

⚠ **WARNING**

When moving the scanner, be sure to turn OFF the power and remove any cables. If the cables are not removed before moving the scanner, you may damage the plugs or connector by forcibly pulling them out.
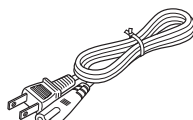
Packaging: What Is in the Box?

Make sure that you have everything shown below. Check every item you have removed from the box. If any items are missing, contact your local authorized Canon dealer.
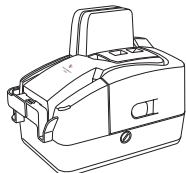
CR-50/80

Setup Disc

Power Cord[1]

Marking Labels for Thickness Adjustment Dial
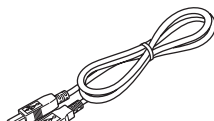
USB Cable
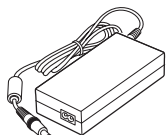
AC Adapter
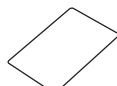
Warranty Card[2]
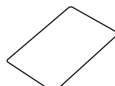
User Registration Card[2]

Installation Guide
Operation & Maintenance Guide

[1] The power cord varies, according to the country of purchase.
[2] For the United States and Canada only.

📖 **NOTE**

Items included in this package may change without any notice.

Preparation Before Use

This chapter describes how to prepare the scanner to scan documents.

Setting Up the Scanner

Perform the following steps to set up the CR-50/80. Refer to the section for each step for details about that step.

1 Check your operating environment. (See "Checking Your Operating Environment" on p. 12.)

▼

2 Install the software. (See "Installing the Scanning Utility" on p. 12.)
Install the Scanning Utility provided with the CR-50/80.

▼

3 Connect the scanner to a computer. (See "Connecting the Scanner to a Computer" on p. 13.)

▼

4 Turn ON the power. (See "Turning ON the Power" on p. 14.)

▼

5 Automatically installing the device driver. (See p. 15.)
The device driver is installed automatically when Windows recognizes the CR-50/80.

❗ IMPORTANT

- To have the device drivers installed automatically when the computer recognizes the CR-50/80, the software needs to be installed before the CR-50/80 is connected to the computer.
- If you connect the computer and turn ON the CR-50/80 before installing the software, the following wizard screen appears. If this happens, click [Cancel], turn OFF the CR-50/80, and then install the software.
  The following wizard screen is an example in Windows 7. When a similar wizard screen appears in Windows XP/Vista, click [Cancel].

Wizard Screen (Windows 7)

Checking Your Operating Environment

The following computer system requirements are recommended for using the CR-50/80.

Operating Systems:
- Microsoft Windows XP (32bit) SP3 or later
- Microsoft Windows XP (64bit) SP2 or later
- Microsoft Windows Vista (32/64bit) SP1 or later
- Microsoft Windows 7 (32/64bit)

Specifications:
- CPU: Intel Core2 Duo 1.8 GHz or faster
- Memory: 1 GB or more
- USB 2.0 interface

Interface Cable
- Use the cable provided or a Hi-Speed USB 2.0 interface cable to connect to the computer's USB port.

Precautions for Use in 64-bit Operating Systems
- The ISIS/TWAIN driver supplied with this product supports scanning with 32-bit applications only.
- Even with 32-bit applications, not all ISIS/TWAIN compliant applications are guaranteed to operate.
- Scanning speed may vary depending on the specifications of your computer.

IMPORTANT
- If you use the USB interface that was provided as standard with your computer:
  - Use the most recently available USB 2.0 driver provided by Microsoft. Contact your local authorized Canon dealer for more detailed information.
  - Not all USB interfaces provided as standard with personal computers are guaranteed. Contact your local authorized Canon dealer for more detailed information.
  - Scanning speeds are slower if your computer's standard USB interface is USB 1.1.
  - You should use the USB cable originally bundled with the scanner or a Hi-Speed USB 2.0 compatible cable.
- If the CPU, memory, interface card, and other specifications do not satisfy the installation requirements, the scanning speed may be greatly reduced and transmission may take longer.
- Even if the computer satisfies the recommended specifications, the scanning speed may vary, depending on the scan settings.

Installing the Scanning Utility

Follow the instructions below to install the Scanning Utility and the dedicated driver.

NOTE
The dedicated scanner driver is installed after the Scanning Utility has been installed.

1 **Turn ON your computer, and log on to Windows.**

IMPORTANT
Be sure to log on as the Administrator.

2 **Insert the setup disc into the disk drive.**
This manual assumes that "D" is assigned to your disk drive.
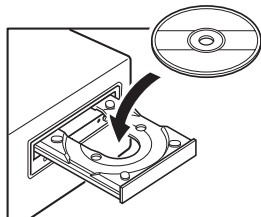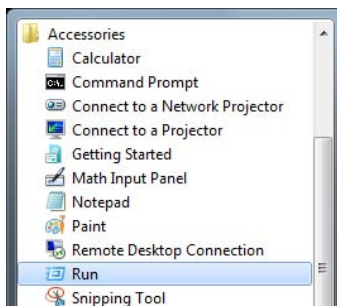

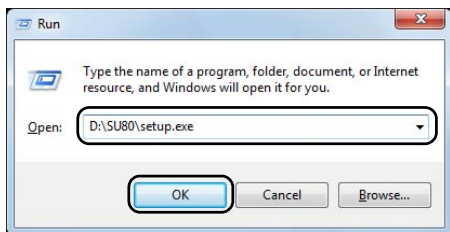**3** **Click [Start], and then click [All Programs].**
The procedure in Windows XP is different from the ones described in this manual. Refer to the Windows XP "Help and Support Center" to select [Run].
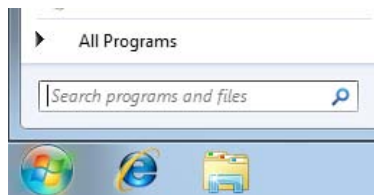
4 Click [Accessories], and then click [Run].

5 Enter "D:\SU80\setup.exe" in the [Open] fields, and then click [OK].

Installation starts.

6 Follow the instructions on the screen to complete the installation.

🛈 IMPORTANT

The computer may need to be restarted, after the installation, depending on the operating system. If this is necessary, make sure to restart the computer.

Connecting the Scanner to a Computer

The only way to connect the scanner to your computer is with a USB cable.

🛈 IMPORTANT

• Be sure to use the USB cable bundled with the scanner or a Hi-Speed USB 2.0 compatible cable with the length less than 5 m.
• When the application is running, do not turn the scanner OFF or unplug the interface cable.
• Do not connect multiple CR-50/80 scanners to one computer.

⚠ CAUTION

• **Do not turn OFF the scanner or remove the interface cable when an application is running.**
• **Turn OFF the computer and the scanner before changing the cable.**

USB Connections

Connect the scanner and the computer with the cable provided or a Hi-Speed USB 2.0 cable.
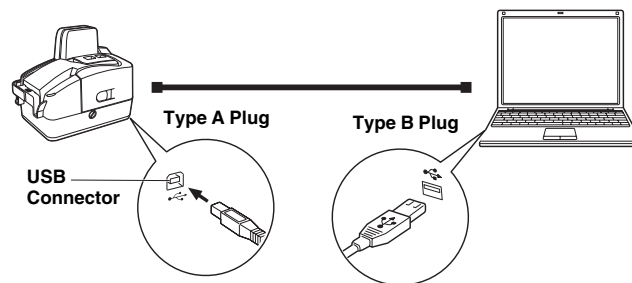
📖 NOTE

Connect the type B plug (square) to the scanner and connect the type A plug (flat) to the USB port on the computer.

Connecting the Power Cord

Connect the power cord.
Make sure to use only the power cord provided with the scanner.
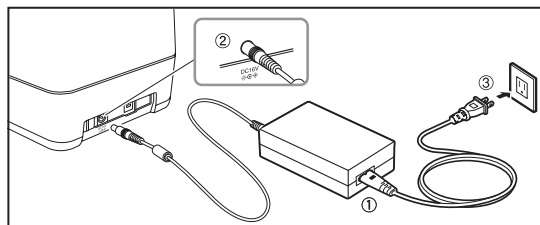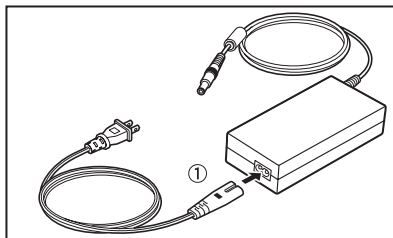
⚠️ **WARNING**

When connecting the power cord, follow these precautions.
Failure to do so may cause a fire or electrical shock.
- **Never grasp the power plug when your hands are wet.**
- **Never plug the scanner into a multiplug power strip.**
- **Never bundle or tie the power cord around itself or another object. Connect the power plug securely into the power outlet.**
- **Use only the power cord and power plug provided with the scanner.**
- **Before you connect the power cord, make sure to turn OFF the power switch.**
- **Connect only to a power outlet of the rated voltage and power supply frequency (either 120 V, 60 Hz or 220-240 V, 50/60 Hz, depending on your region).**
- **Do not plug the scanner into a power outlet shared with another device. If you use an extension cord, make sure that the extension cord is rated for the current requirements of the scanner.**

Turning ON and OFF the Power

Follow the procedures below to turn the scanner power ON and OFF.

Turning ON the Power

1 **To turn ON the scanner, slide the Power Switch to the right.**

(ON)
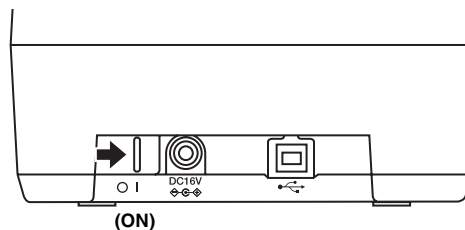
❗ **IMPORTANT**

- When you turn ON the power, the power LED lights and remains lit.
- If the scanner does not work, there is a problem with the scanner. Turn OFF the power, and contact your local authorized Canon dealer or service representative to have the scanner serviced.

⚠️ **WARNING**

If you hear strange sounds, detect smoke or abnormal heat, sense a vibration, or smell odd odors around the scanner, turn OFF the power immediately and disconnect the power cord from the power outlet. Contact your local authorized Canon dealer or service representative to have the scanner serviced.

2 **Turn ON your computer.**

3 Windows recognizes the CR-50/80 as new hardware, and installation starts automatically.

Installing device driver software	CANON CR-80 USB
Click here for status.	Device driver software installed successfully.

(Windows 7)

📖 NOTE

The CR-50/80 will be registered as "CANON CR-50 USB" or "CANON CR-80 USB" in the Imaging Device directory.

Device Manager
File Action View Help
- Computer
- Disk drives
- Display adapters
- DVD/CD-ROM drives
- Human Interface Devices
- IDE ATA/ATAPI controllers
- Imaging devices
  - CANON CR-80 USB
- Keyboards
- Mice and other pointing devices
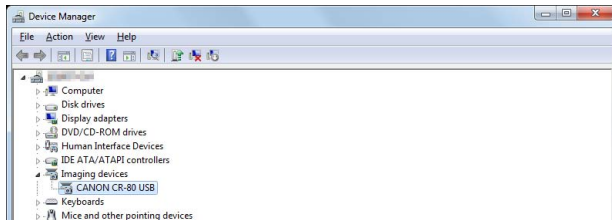
Turning OFF the Power

1 Turn OFF your computer.

2 To turn OFF the scanner, slide the Power Switch to the left.

DC16V

(OFF)
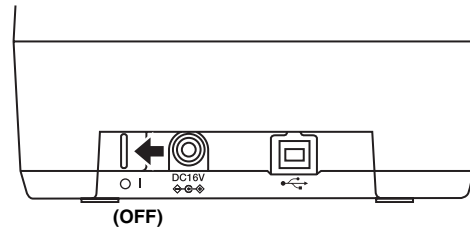
⚠ CAUTION

- **Wait at least 10 seconds before turning the scanner back ON.**
- **For your safety, disconnect the power plug from the power outlet if you are not using the scanner for a long period of time.**

Preparing the Ink Cartridge

This section describes how to prepare the ink cartridge so that you can use the imprinter to print text on scanned documents.

About the Ink Cartridge

The ink cartridge is not included with the scanner. Purchase an ink cartridge separately, as shown below.

```
Manufacturer        : Hewlett Packard
Ink Cartridge Blue  : C6602B  (Canon#3693A002)
Ink Cartridge Red   : C6602R  (Canon#3693A003)
Ink Cartridge Green : C6602G  (Canon#3693A004)
```

Setting the Ink Cartridge and Adjusting the Print Position

The ink cartridge needs to be set to print. Set the ink cartridge according to the following procedure. You can adjust the print position to three different levels.

⚠ IMPORTANT

- To set the ink cartridge, turn the scanner OFF before removing the Maintenance Cover. After the ink cartridge is set, replace the Maintenance Cover, and then turn the scanner back ON.
- Finish up the unpacked ink cartridge as soon as possible. More frequent cleaning of the ink cartridge is required if long time elapses after unpacking.

1 Hook your finger around the open lever and open the Maintenance Cover.
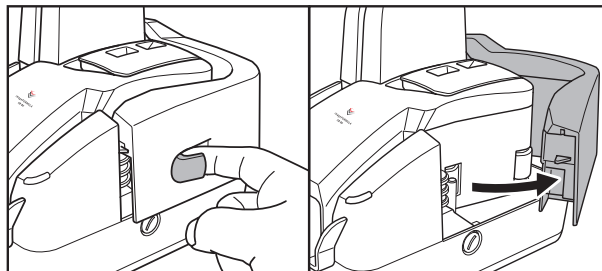
2 Remove the Imprinter Cover.
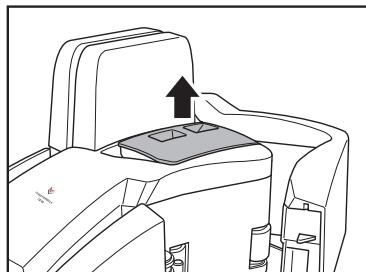
3 Remove the ink cartridge from its bag.

Tag

Ink Jet Nozzle

Contacts

Do not touch the ink cartridge contacts. This can cause a bad electrical contact and reduced print quality.

4 **Grasp the tag and then peel off the tape covering the ink jet nozzle.**
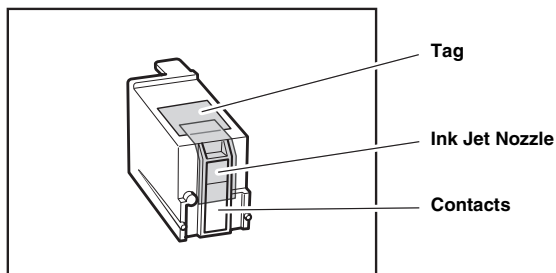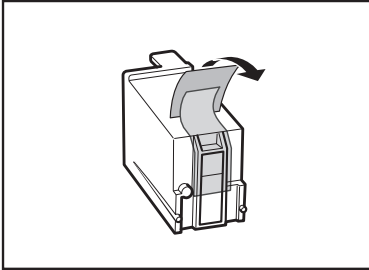
IMPORTANT

Do not touch the ink jet nozzle or contacts after peeling off the tag and tape.
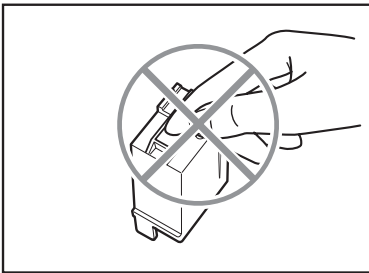
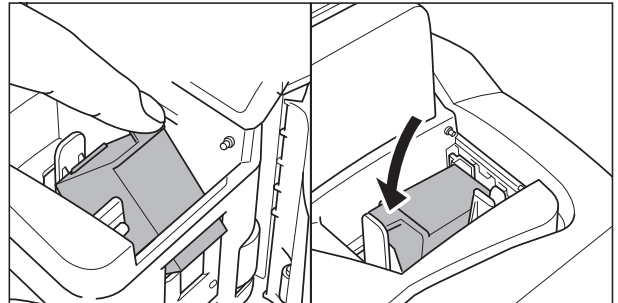**5** **Place the ink cartridge shown in the diagram below.**
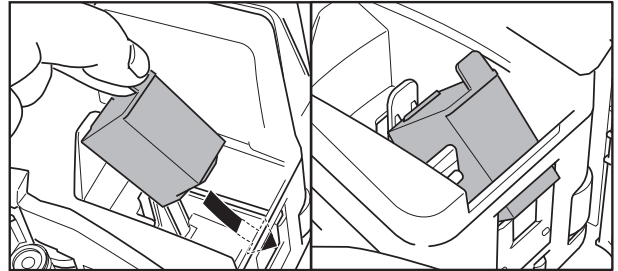
⚠ CAUTION

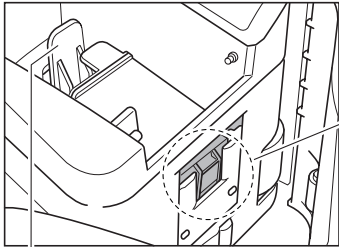**Do not touch the electrical contact on the carriage. Doing so may cause a malfunction.**

📖 NOTE

Do not use more than one cartridge by rotation. If you do so, applications cannot check the ink level precisely.

6 **Push down the ink cartridge until it clicks into place.**

Make sure that the ink cartridge lock lever locks the ink cartridge into the correct position.
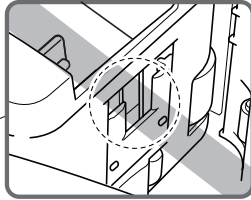
If the cartridge does not load properly, see step 7.

Ink Cartridge Lock Lever

7   **Squeeze the Print Position Adjustment Lever and move it to adjust the print position.**
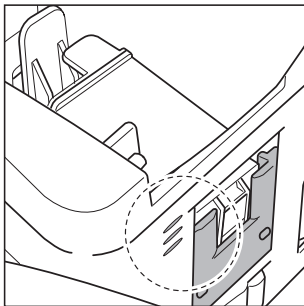
Top:
50.5 mm (1.99") from the bottom edge of the document
Middle:
47 mm (1.85") from the bottom edge of the document
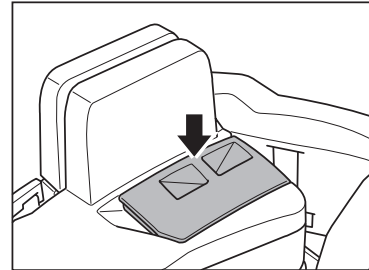Bottom:
43.5 mm (1.71") from the bottom edge of the document

If the ink head drops back when installed, the two ink cartridge pins will not fit into the holes on the carriage. Push back the ink cartridge lock lever ① in the direction of the arrow and reset the cartridge in the correct position ②.
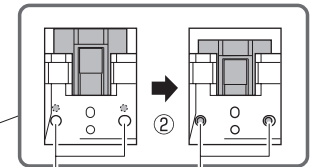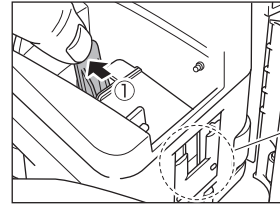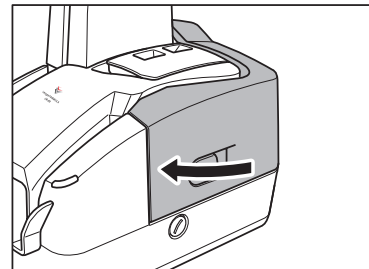

Ink Cartridge Holes   **Ink Cartridge Pins**

8   **Carefully replace the Imprinter Cover.**

9   **Gently close the Maintenance Cover until it clicks into place.**

Document Feeding and Scanning

For details on the operations, refer to the Instructions (Electronic Manual) on p. 33 or the Operation & Maintenance Guide (Manual) on p. 6.

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