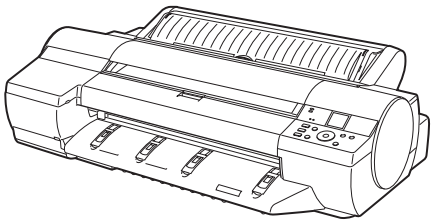
Canon

Large-Format Printers

imagePROGRAF

iPF6300S

Basic Guide



Please read the following electronic manuals also.
- User's Guide
- Paper Reference Guide

Printer Operations 1 2 3

This Basic Guide includes three booklets.
Read this manual first.

Printer Operations 1

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Read this manual before attempting to operate the printer.
Keep this manual in a handy location for future referencing.

ENG

⚠Safety Precautions

Follow the warnings and precautions below to use the printer safely. Do not perform any operations or procedures other than as described in this manual. Doing so may result in unexpected accidents and can cause a fire or electrical shocks.

⚠ Warning

Printer Location

- Do not set up the printer in any location exposed to alcohol, thinner, or other volatile liquids. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

Power Supply

- Never handle the power cable with wet hands. Doing so may cause electrical shock.

- Insert the power cable securely and completely into the power source. If the power cable is not inserted completely, this could cause a fire or electrical shock.

- Do not use any power cable other than the one provided. This could cause a fire or electrical shock. Never use the power cable with any other electrical device.

- Never cut the power cable or attempt to modify it, and never stretch it or bend it forcefully. Never place a heavy object on the power cable. Damaged sections of the power cable could cause a short circuit and may cause a fire or electrical shock.

- Never connect the power cable to a power strip or any power source shared by other electrical devices. This could cause a fire or electrical shock.

- Never knot the power cable or wrap it around itself. This could cause a fire or electrical shock.

- Periodically disconnect the power cable and use a dry cloth to wipe away dust that has collected on the plug and the area around the power outlet. Leaving the power cable plugged in and not cleaned for a long period, especially in an area subject to dust, oil, and humidity, could cause the insulation material to deteriorate and lead to a fire.

In an Emergency

- If the printer emits smoke or strange odors, continuing to use the printer may cause a fire or electrical shock. Switch the printer off immediately and remove the power plug from the power outlet. Contact the nearest service center.

Cleaning the Printer

- For cleaning, use a cloth dampened in water. Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

Pacemakers

- This printer generates a low-level magnetic field. Anyone wearing a pacemaker who experiences discomfort while working around the printer should leave the area. Consult a physician before continuing to work around the printer.

⚠ Caution

Printer Location

- Never install the printer on an unstable or vibrating surface. If it falls over, this could cause personal injury.

- Never set up the printer in a location that is exposed to high humidity or large amounts of dust, or exposed to direct sunlight, high temperature, or open flame. This could cause a fire or electrical shock. Use the printer location in an environment where temperature and humidity are within the ranges of 15°C to 30°C (59°F to 86°F) and 10 to 80% RH (with no condensation).

- Never place the printer on a heavy wool or shag carpet. The fibers may enter the printer and cause a fire.

- Keep the area around the power outlet clear of items so that you can disconnect the power cable immediately if the printer starts operating abnormally. In the event of a printer malfunction, remove the power cable from the outlet as soon as possible to prevent fire and electrical shocks.

- Do not install the printer near sources of strong electromagnetic fields, whether equipment that generates such fields or places where such fields occur. This could damage the printer or cause malfunction.

Moving the Printer

- The weights of main printer units are as follows:
  iPF6300S : approx. 51 kg (112.4 lb)
- Moving the printer requires at least three people, holding it on both sides and from behind. Be careful to avoid back strain and other injuries.

- When moving the printer, firmly grasp the **Carrying Handles** under each side and in back. The printer may be unsteady if you hold it at other positions, which poses a risk of injury from dropping the printer.

Power Supply

- Always grip the plug to remove the power cable from the power outlet. Pulling on the power cable could damage the cable and lead to a fire or electrical shock.

- Never use an extension cord. This could cause a fire or electrical shock.

- Never use any power source other than 100–120 / 220–240 V AC. This could cause a fire or electrical shock. The printer operating conditions are described below. Use the printer under the following conditions.
  Power supply voltage: 100–120 / 220–240 V AC
  Power supply frequency: 50/60Hz

Cleaning the Printer

- Always disconnect the power cable from the outlet before cleaning the printer. If the printer is switched on accidentally, moving parts inside the printer may cause personal injuries.

Printhead, Ink Tanks, and Maintenance Cartridge

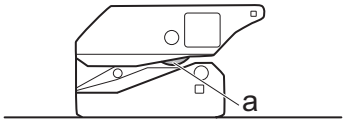
- Always store consumables in a safe location out of the reach of small children. If a child licks or ingests ink accidentally, seek medical assistance immediately.
- If ink accidentally gets in your eyes, immediately rinse with water.
  If ink gets on your skin, immediately clean it off with soap and water.
  If irritation persists in your eyes or on your skin, contact a physician immediately.

- Avoid dropping or shaking printheads, ink tanks, and maintenance cartridges. Spilled ink can stain clothing and the work area.

- Never touch the electrical contacts of the Printhead after printing. The contacts become extremely hot and can cause minor burns.

Other

- Never disassemble the printer or attempt repairs. There are high voltage parts inside the printer that can cause a fire or electrical shock.
- Never use flammable sprays around the printer. The gas of flammable sprays can cause a fire or electrical shock, if it contacts high voltage points inside the printer.
- Never insert your hand into the printer while it is printing. Moving parts inside the printer can cause injuries.
- Never place anything on the printer such as small metal objects (paper clips, staples), liquids, any type of liquid container that contains flammable liquids (alcohol, benzene, etc.). If such objects fall into the printer, this could cause a fire or electrical shock.
- After removing the **Cutter Unit**, never touch the cutting edge (a). This could cause personal injury.



- To prevent a fire hazard or dangerous electric shock, if a foreign object falls into or a liquid spills into the printer, press the Power button immediately to switch the printer off, unplug the printer power cable from the outlet, and then call for service. If you continue to use the printer, this could cause a fire or electrical shock.
- Connect the interface cable correctly. To avoid damage, before connection make sure that the shape of the cable connector matches the connection point on the printer.
- During printing, turn on the ventilation system in the room.
- We recommend ensuring ample space for installation.

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The Manuals Supplied with This Printer

Printed Manuals

Title	Details
Setup Guide	Instructions for unpacking and setting up the printer, and for installing the software and electronic manuals
1 Basic Guide 1 (this manual) Printer Operations	Descriptions of the paper loading methods, consumable replacement methods, control panel menus, etc.
2 Basic Guide 2 Troubleshooting	Troubleshooting tips and error messages
3 Basic Guide 3 Printer Relocation / Software Installation	Instructions for preparing to relocate the printer and for software and electronic manuals installation

Electronic manuals

The electronic manuals must be installed on your computer. For instructions on installing, refer to the Setup Guide or Basic Guide 3.

Title	Details
User's Guide	This guide describes advanced usage of the printer such as paper saving tips, how to print a poster and banner with the supplied software and print quality adjusting method, in addition to the basic instructions for printing on roll paper or cut sheet.
Paper Reference Guide	This guide describes about the types and specifications of the available media on the printer.

Updating the Paper Reference Guide

You can confirm the latest paper information by updating the **Paper Reference Guide**. By downloading the latest version of **Media Information File** from the imagePROGRAF website and installing it, you can update to the latest information of the Paper Reference Guide. If you cannot download file, contact your Canon dealer.

To view the electronic manuals and imagePROGRAF website

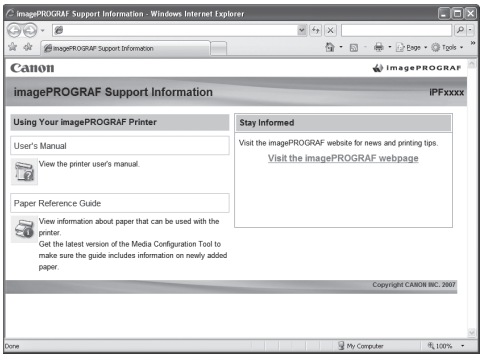
To view the electronic manuals and imagePROGRAF website, access the electronic manuals and imagePROGRAF website from imagePROGRAF Support Information as follows.

Windows

Double-click the **iPFxxxx Support** desktop icon. (iPFxxxx indicates the printer model.)

Mac OS X

Click the **iPF Support** icon in the Dock.



How to read the Basic Guides

Symbols

The following symbols are used in this document to indicate safety information and explanations of restrictions or precautions in use.

	Caution	Indicates caution items for which operating error poses a risk of injury or damage to equipment or property. To ensure safe use, always follow these precautions.
	Important	Indicates important information that must be followed when using the printer. Be sure to read this information to prevent printer damage or operating errors.
	MEMO	Indicates helpful reference information and supplemental information on particular topics.

Cross-reference

Additional sources of information are identified as follows in the documentation.

In the Basic Guides:	Guide number and section title Example: (→1, Attaching the Roll Holder to Rolls)
In the electronic manuals:	Manual name and title Example: (→"Selecting the Paper Type (Roll)," User's Guide)

Text conventions and illustrations

Button names and user interface elements

Key and button names on the control panel and user interface elements in software (such as menus and buttons) are indicated as follows in this document.

Control panel buttons	Example: Press the **OK** button.
Control panel messages	Example: **Head Cleaning** is displayed.
Software interface items (menus and buttons)	Example: Click **OK**.
Keyboard keys	Example: Press the Tab key.

Part names

Names of printer parts are indicated as follows in this document.

Printer part names	Example: Open the **Top Cover**.

Figures and software screens

- Screens depicted in this document for the printer driver or other software may look different from the actual screens because of subsequent updates.
- Windows XP screens are used in explanations of Windows operations.

FCC Regulations (U.S.A)

Canon Large Format Printer	iPF6300S

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 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. 516-328-5600

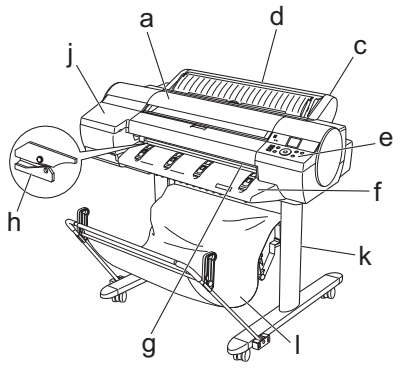
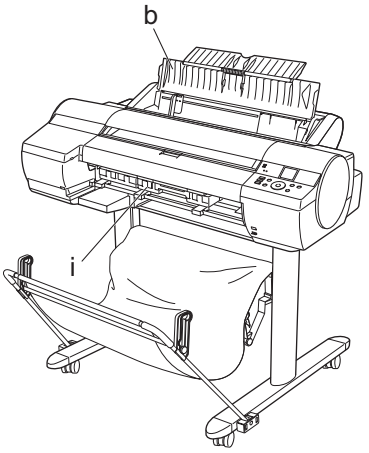
For CA, USA Only

Included battery contains Perchlorate Material - special handling may apply.
See http://www.dtsc.ca.gov/hazardouswaste/perchlorate/ for detail.

Parts

Names and functions of printer parts are as follows.

Front

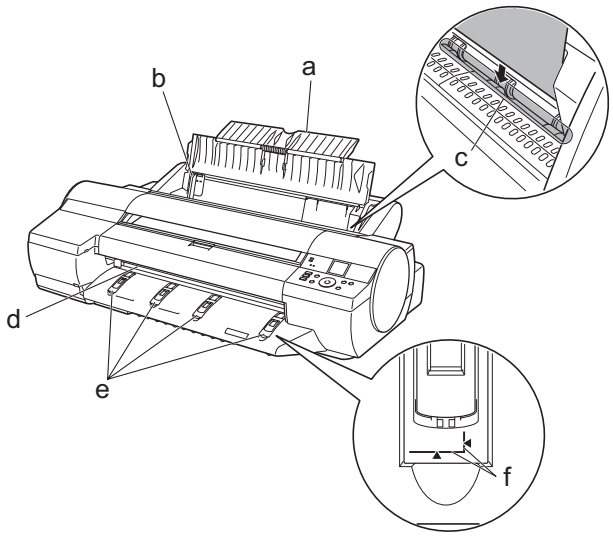
Standard	With the Ejection Guide removed
	

	Name	Operation
a	**Top Cover**	Open this cover to install the Printhead and remove any jammed paper from inside the printer, as needed.
b	**Paper Tray Cover**	Open this cover to load a sheet in the **Top Paper Feed Slot**.
c	**Roll Feed Unit**	Load rolls in this unit. You can also load sheets manually.
d	**Roll Feed Unit Cover**	Open this cover to load rolls.
e	**Control Panel**	Use this panel to operate the printer and check the printer status.
f	**Ejection Guide**	Supports paper to prevent it from rising.
g	**Output Tray** (**Front Paper Feed Slot**)	All printed documents are ejected from this slot. When loading heavyweight paper, insert it here.
h	**Cutter Unit**	A round-bladed cutter for automatic roll cutting.
i	Maintenance Cartridge	Absorbs excess ink.
j	**Ink Tank Cover**	Open this cover to replace an Ink Tank.
k	**Stand**	A stand that holds the printer. Equipped with casters to facilitate moving it.
l	**Output Stacker**	Printed documents are ejected into the output stacker. The **Output Stacker** can hold one sheet.

MEMO

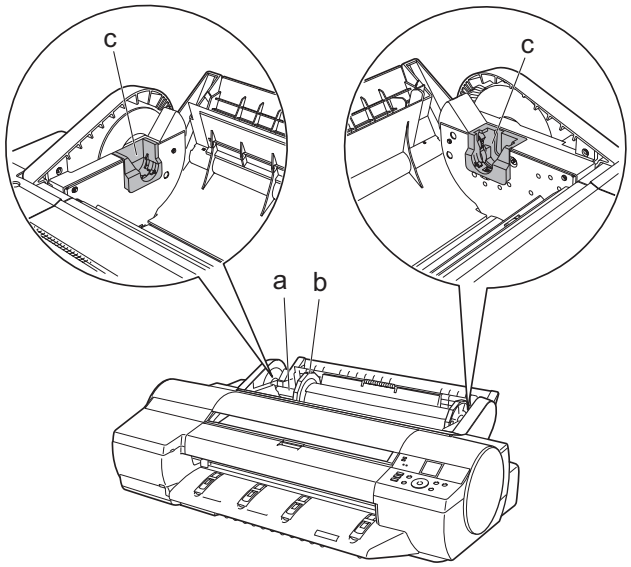
• The **Stand** is normally offered as an option, but it may be provided as a standard accessory in some sales regions.

Paper Feed Slots



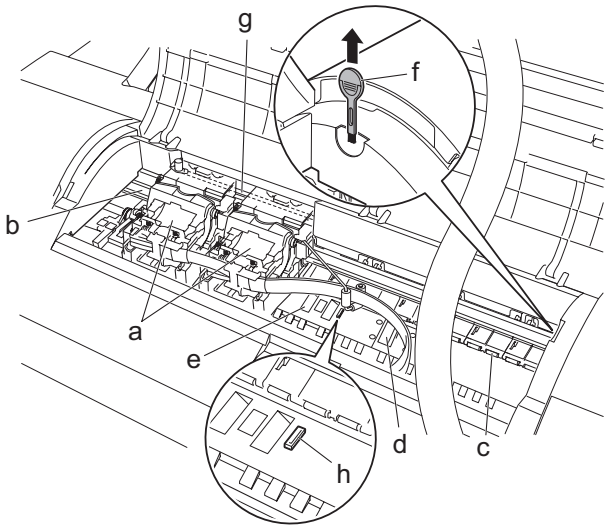
	Name	Operation
a	**Tray Extension**	When loading a sheet manually, open this tray after opening the **Paper Tray Cover**.
b	**Width Guide**	When loading a sheet, move the guide to match the paper size.
c	**Top Paper Feed Slot**	When loading a sheet, insert it here.
d	**Front Paper Feed Slot** (**Output Tray**)	When loading a heavyweight sheet, insert it here. All printed documents are ejected from this slot.
e	**Front Tray Guides**	Lift all of the guides before printing on heavyweight paper. When feeding heavyweight paper, rest the sheet on these guides, align it to the right, and insert the leading edge up to the **Paper Alignment Line**.
f	**Paper Alignment Line**	Load heavyweight sheets parallel to this line.

Inside the Roll Feed Unit Cover



	Name	Operation
a	**Roll Holder**	Load the roll on this holder.
b	**Holder Stopper**	Secure rolls on the **Roll Holder** with this part.
c	**Roll Holder Slot**	Slide the **Roll Holder** into this slot.

Top Cover (Inside)

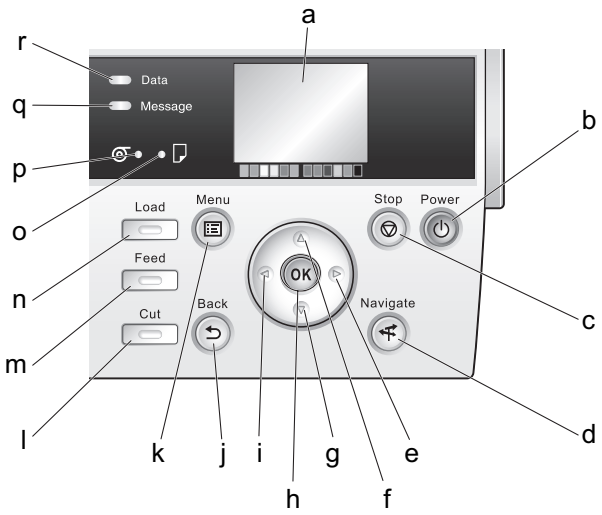


	Name	Operation
a	**Carriage**	Moves the Printhead. The carriage serves a key role in printing.
b	**Carriage Shaft**	The **Carriage** slides along this shaft.
c	**Paper Retainer**	Important in supplying the paper. This retainer holds paper as it is fed.
d	**Platen**	The Printhead moves across the platen to print. **Vacuum holes** on the platen hold paper in place.
e	**Borderless Printing Ink Grooves**	For catching ink outside the edges of paper during borderless printing.
f	**Cleaning Brush**	When cleaning inside the printer under the **Top Cover**, use this brush to sweep away paper dust on the **Platen**. Also use the brush to move the blue **Switch** on the **Platen**.
g	**Linear Scale**	The linear scale serves a key role in detecting the **Carriage** position. Be careful not to touch this part when cleaning inside the **Top Cover** or clearing paper jams.
h	**Switch**	Set the switch to the side opposite ● if the edges of printed images are blurred. Set the switch to the ● side before borderless printing.

Important

• Do not touch the **Carriage Shaft** (b) or **Linear Scale** (g). This may stain your hands and damage the printer.

Control Panel



	Name	Operation
a	**Display Screen**	Shows the printer menu, as well as the printer status and messages.
b	**Power** button (green)	Turns the printer on and off. The power button is lit when the printer is on or in Sleep mode.
c	**Stop** button	Cancels print jobs in progress and ends the ink drying period.
d	**Navigate** button	Enables you to check instructions for loading and removing paper or replacing ink tanks or printheads, as well as other operations.
e	► button	Press this button on the **Tab Selection screen** to move to another tab. In menu items requiring numerical input, press this button to move to another digit.
f	▲ button	Press this button when viewing menus to display the previous menu item or setting value.
g	▼ button	Press this button when viewing menus to display the next menu item or setting value.
h	**OK** button	Press this button on the **Tab Selection screen** to display the menu of the tab shown. Pressing this button in menu items of each tab for which ✚ is displayed at left will move to the lower level of the menu item, enabling you to execute menu commands or set menu values. Also press this button if the **Display Screen** indicates to press the **OK** button.
i	◄ button	Press this button on the **Tab Selection screen** to move to another tab. In menu items requiring numerical input, press this button to move to another digit.
j	**Back** button	Displays the screen before the current screen.
k	**Menu** button	Displays the **Tab Selection screen**. (→1, Menu Map)
l	**Cut** button	Pressing this button when rolls are loaded cuts the paper.
m	**Feed** button	Pressing this button when rolls are loaded enables you to reposition the paper.
n	**Load** button	Press this button when loading or replacing paper. (→1, Loading Rolls in the Printer), (→1, Loading Sheets in the Printer)
o	**Cut Sheet lamp** (green)	Lit when **Tray** or **Front Paper Feed Slot** is selected as the paper source.
p	**Roll Media lamp** (green)	Lit when rolls are selected as the paper source.
q	**Message lamp** (orange)	Lit or flashes when messages are displayed. When the lamp is off, the printer is operating normally or turned off.
r	**Data Lamp** (green)	Indicates the status of print jobs or the printer firmware.

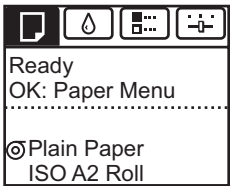
MEMO

• To recover from Sleep mode, any button can be pressed except the **Power** button.

Menu operations

Navigate and perform menu operations on the control panel as follows.

After the printer starts up, the **Tab Selection screen** is shown on the **Display Screen**.
Information is organized in four tabs, and you can press control panel buttons to access menus and set or execute items for each tab.
(→1, Menu Map)



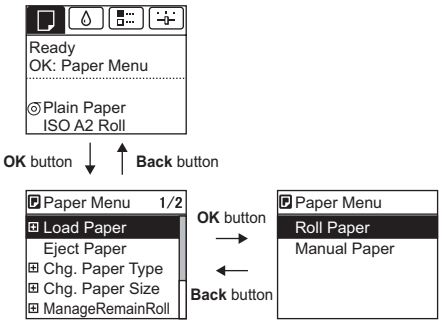
(**Paper tab**) ••••••••••• A tab indicating status and showing menus related to paper.
(**Ink tab**) •••••••••••• A tab indicating status and showing menus related to ink.
(**Job tab**) •••••••••••• A tab indicating status and showing menus related to print jobs.
(**Settings/Adj. tab**) ••• A tab indicating status and showing menus related to settings and adjustment.

- Accessing tab menus

  To select tabs, press ◄ or ► on the **Tab Selection screen**, and then press the **OK** button.
  Tab menus are now displayed.

  To select a menu, press ▲ or ▼, and then press the **OK** button.
  The menu is selected, and menu items are now displayed.

  To access lower-level menus for menus labeled with ⊞ at left, select the menu and press the **OK** button.



- Specifying menu items

  Press ▲ or ▼ to select desired settings, and then press the **OK** button.
  The check box at left is selected, and the setting is confirmed.
  After two seconds, the display reverts to the upper level menu.

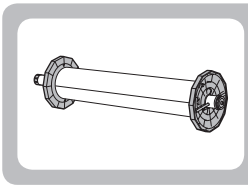
- Specifying numerical values

  Follow these steps to enter numbers. In this example, network settings items are entered.

  1. For numerical input, press ◄ or ► to move the cursor (shown as an underscore) to other fields.
  2. Press the ▲ or ▼ button to enter the value.
  3. Repeat steps 1 and 2, and when the settings are complete, press the **OK** button.

- Executing menu commands

  Press ▲ or ▼ to select the action to execute, and then press the **OK** button.
  The menu command is now executed.



Loading Rolls on the Roll Holder

Attach rolls to the **Roll Holder** as follows.

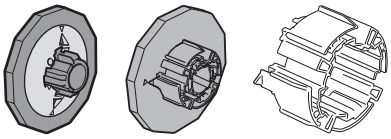
When printing on rolls, attach the **Roll Holder** to the roll.

Rolls have a two- or three-inch paper core. Use the correct attachment for the paper core. The printer comes equipped with the **2-Inch Paper Core Attachment** installed.

For borderless printing on A1 (594 mm) or A2 (420 mm) rolls, attach the included **Spacer for Borderless Printing** to the **Roll Holder**.

Items to Prepare

- Using rolls with a 2-inch paper core
  Holder Stopper for 2-inch paper cores (a)
- Using rolls with a 3-inch paper core
  Holder Stopper for 3-inch paper cores (b)
  3-Inch Paper Core Attachment (c)
- Borderless printing on A1 or A2 rolls
  Spacer for Borderless Printing (d)



a b c

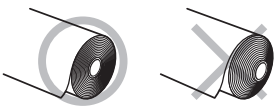
d

Caution

- Set the roll on a table or other flat surface so that it does not roll or fall. Rolls are heavy, and dropping a roll may cause injury.

Important

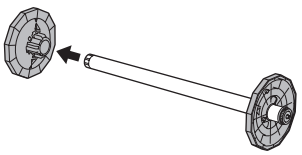
- When handling the roll, be careful not to soil the printing surface. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- Use scissors or a cutting tool to cut the edge of the roll paper if it is uneven, dirty, or has tape residue. Otherwise, it may cause feeding problems and affect the printing quality. Be careful not to cut through any barcodes printed on the roll.
- Align the edges of the paper on both ends of the roll. Misalignment may cause feeding problems.



MEMO

- For details on supported sizes and types of rolls, see "Paper Sizes" or the Paper Reference Guide. (→"Paper Sizes," User's Guide), (→"Types of Paper," User's Guide)
- To view instructions as you attach the **Roll Holder**, press the **Navigate** button.

1 Remove the **Holder Stopper** from the **Roll Holder**.



2

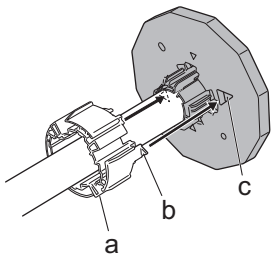
Insert the attachments for the roll paper on the **Roll Holder**.

- **Using rolls with a 3-inch paper core**

Attach the included **3-Inch Paper Core Attachment** on the **Roll Holder**.

Align the triangular part (b) of the **3-Inch Paper Core Attachment** (a) with the triangular part (c) of the **Roll Holder** as shown, and insert the **3-Inch Paper Core Attachment** into the **Roll Holder**.

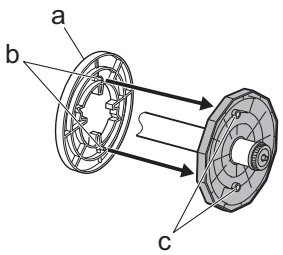
Use the **Holder Stopper** for 3-inch paper cores.



- **Borderless printing on A1 or A2 rolls**

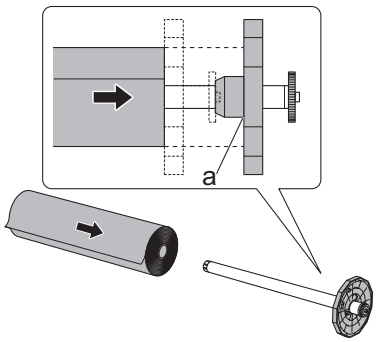
Attach the included **Spacer for Borderless Printing** to the **Roll Holder**.

Insert the protrusions (b) of the **Spacer for Borderless Printing** (a) into the holes (c) of the **Roll Holder**, as shown.



3

With the **Roll Holder** resting horizontally and the edge of the roll paper facing forward as shown, insert the roll in the **Roll Holder** from the left. Insert the roll firmly until it touches the flange (a) of the **Roll Holder**, leaving no gap.



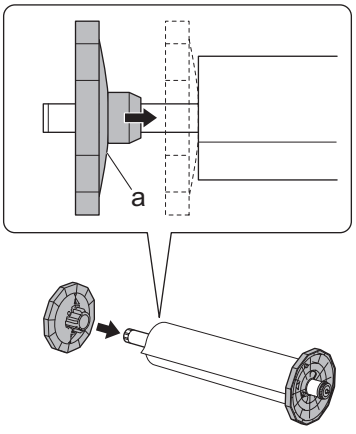
Important

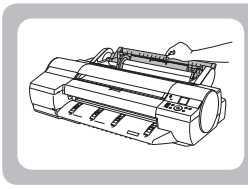
- Always have the **Roll Holder** resting horizontally when loading rolls. Attempting to load rolls with the **Roll Holder** upright may damage the **Roll Holder**.

4

Insert the **Holder Stopper** from the left in the **Roll Holder** as shown. Push it firmly in until the flange (a) of the **Holder Stopper** touches the roll.

Attach the appropriate **Holder Stopper** for the size of the paper core.





Loading Rolls in the Printer

Load rolls in the printer as follows.

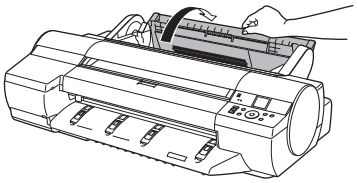
Important
- Always load rolls when the printer is on. If the printer is off when you load a roll, the paper may not be advanced correctly when you turn the printer on.
- Before loading rolls, make sure the printer is clean inside the **Top Cover** and around the **Ejection Guide**. If these areas are dirty, we recommend cleaning them in advance. (→2, If Paper is Soiled)

1 Press the **Load** button.

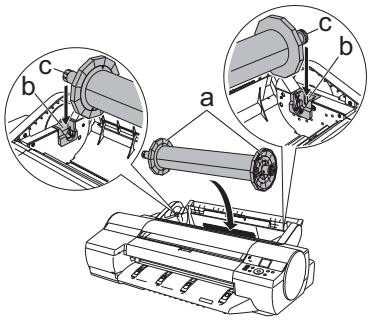
2 Press ▲ or ▼ to select **Roll Paper**, and then press the **OK** button.

MEMO
- If any paper has been advanced that will not be used, a message is shown requesting you to remove it. Press ▲ or ▼ to select **Yes**, and then press the **OK** button. Remove the paper and go to the next step.

3 Open the **Roll Feed Unit Cover**.



4 Holding the **Roll Holder** flange (a), load the **Roll Holder** shaft into the guide grooves (b) on both sides of the **Roll Holder Slot**. At this time, load the shaft so that the color of the **Roll Holder** shaft (c) matches the color of the guide groove.



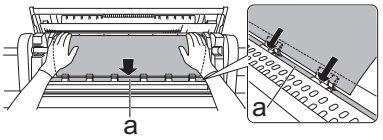
Caution
- Do not release the flanges until the holder is loaded in the **Roll Holder Slot**.
- Be careful not to pinch your fingers between the guide grooves (b) and the **Roll Holder** shaft (c) when loading rolls.

Important
- Do not force the **Roll Holder** into the printer with the right and left ends reversed. This may damage the printer and **Roll Holder**.

MEMO
- If it is difficult to load rolls from the front of the printer, load rolls from the back of the printer.

5

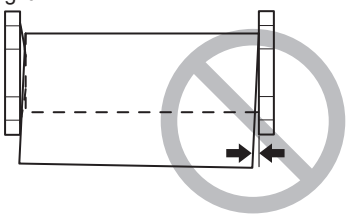
Insert the edge of the roll in the **Paper Feed Slot** (a) and advance the roll until you hear the feed tone.



The paper is now advanced, and a menu for selection of the type of paper is automatically shown on the **Display Screen**.

Important

- Be careful not to soil the printing surface of roll paper as you insert it in the slot. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- If the paper is wrinkled or warped, straighten it out before loading it.
- Load paper straight so it is not fed askew.



6

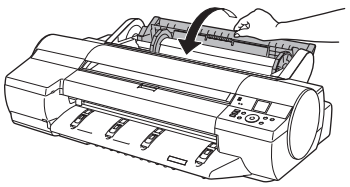
Press ▲ or ▼ to select the type of paper, and then press the **OK** button.

MEMO

- For details on types of paper to select, see the Paper Reference Guide. (→1, The Manuals Supplied with This Printer)

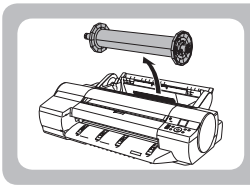
7

Close the **Roll Feed Unit Cover**.



MEMO

- Adjusting the printhead alignment with the type of paper to be used in printing may enhance printing quality. (→2, If Vertical Lines are Warped or Colors are Misaligned)



Removing the Roll from the Printer

Remove rolls from the printer as follows.

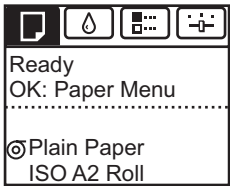
Important

- Once a roll has been advanced, do not pull the paper out by force. This will prevent further feeding, and the printer will be unable to keep track of the amount of roll paper left.
  If you accidentally pull out paper, follow these steps to remove the roll, and open the paper feed slot.

MEMO

- If you need to cut a roll, see the following procedure.
  (→"Specifying the Cutting Method for Rolls," User's Guide)

1 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Paper tab** ( ).



MEMO

- If the **Tab Selection screen** is not displayed, press the **Menu** button.

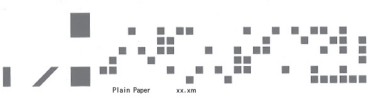
2 Press the **OK** button.
The **Paper Menu** is displayed.

3 Press ▲ or ▼ to select **Eject Paper**, and then press the **OK** button.

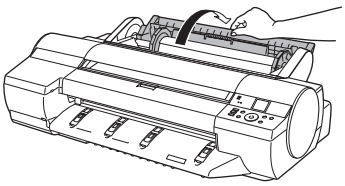
4 Press ▲ or ▼ to select **Yes**, and then press the **OK** button.
The roll is now rewound and ejected.

Important

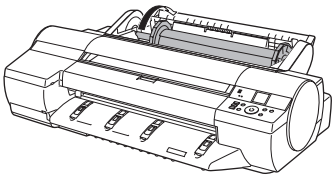
- If you have selected **ManageRemainRoll** > **On** in the **Control Panel** menu, a barcode is printed on the leading edge of the roll.
  Do not remove the roll before the barcode is printed. You will be unable to keep track of the amount of roll paper left. (→"Keeping Track of the Amount of Roll Paper Left," User's Guide)



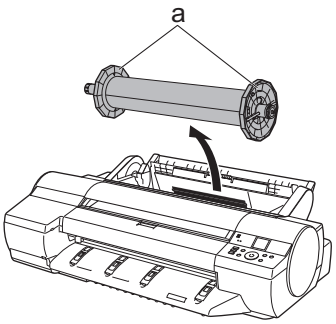
5 Open the **Roll Feed Unit Cover**.



6 Using both hands, rotate the **Roll Holder** toward the back to rewind the roll.

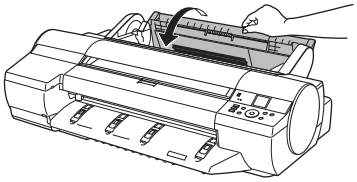


7 Holding the **Roll Holder** flange (a), remove the holder from the **Roll Holder Slot**.

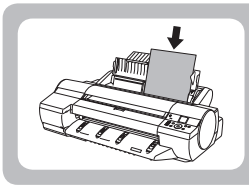


MEMO
- See the following procedure for instructions on removing the roll from the **Roll Holder**. (→"Removing Rolls From the Roll Holder," User's Guide)

8 Close the **Roll Feed Unit Cover**.



MEMO
- To load new paper in the printer at this point, see the following procedure. (→ **1**, Loading Rolls in the Printer)



Loading Sheets in the Printer

Load sheets in the printer as follows.

When printing on individual sheets, load the sheet in the **Top Paper Feed Slot**. However, for heavyweight paper such as POP board, load the sheet in the **Front Paper Feed Slot**.

Selecting the Paper Source and Type of Paper

If a print job was received

Sheets are automatically selected, and the media type and size specified by the print job are shown on the **Display Screen**.

1 Press ▲ or ▼ to select **Load Paper**, and then press the **OK** button.

2 Load the sheet in the **Top Paper Feed Slot** or **Front Paper Feed Slot**, depending on the type of paper specified by the print job.

- If a type of paper other than **POP Board** is selected, load it in the **Top Paper Feed Slot**.
- If **POP Board** is selected, load it in the **Front Paper Feed Slot**.

If no print job was received

1 Press the **Load** button.

2 Press ▲ or ▼ to select **Cut Sheet**, and then press the **OK** button.

MEMO
- If any paper has been advanced that will not be used, a message is shown requesting you to remove it. Press ▲ or ▼ to select **Yes**, and then press the **OK** button. Remove the paper and go to the next step.

3 Press ▲ or ▼ to select the type of paper, and then press the **OK** button.
When printing on heavyweight paper, select **POP Board** and load the sheet in the **Front Paper Feed Slot**.
When printing on other types of paper, select the type of paper and load the sheet in the **Top Paper Feed Slot**.

MEMO
- For details on types of paper to select, see the Paper Reference Guide. (→1, The Manuals Supplied with This Printer)

Loading Sheets in the Top Paper Feed Slot

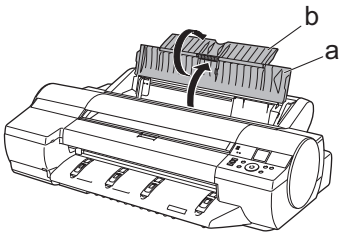
Important

- One sheet of paper can be loaded in the **Top Paper Feed Slot** at a time. Do not load more than one sheet at a time. This may cause paper jams.
- Before feeding paper or printing, make sure the sheet is flat against the **Paper Tray Cover**. The sheet may jam if it curls before feeding or printing and the trailing edge drops toward the front.
- Paper that is wrinkled or warped may jam. If necessary, straighten the paper and reload it.
- Load the paper straight. Loading paper askew will cause an error.

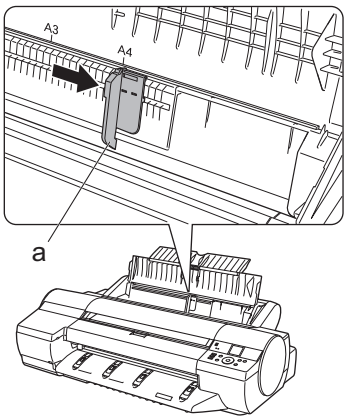
MEMO

- Store unused paper in the original package, away from high temperature, humidity, and direct sunlight.

1 Open the **Paper Tray Cover** (a), and then open the **Tray Extension** (b).

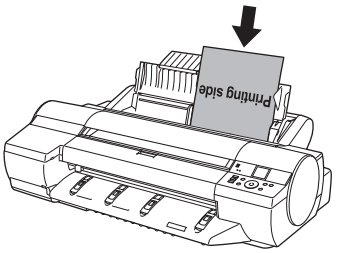


2 Slide the **Width Guide** (a) to align it with the mark for the size of paper you will load.



3 Load one sheet, printing-side up, in the **Top Paper Feed Slot**.

Insert the paper until it touches the far end of the tray lightly.

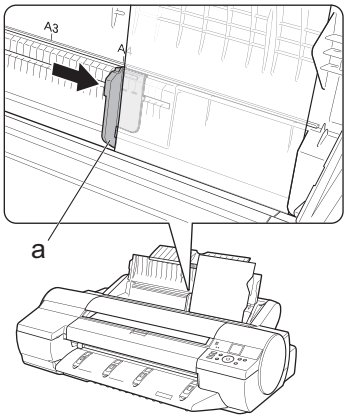


Important

- If you load a sheet larger than A2, the sheet may fall behind the printer under its own weight. Put your hand under the sheet to support it and prevent it from falling.

4 Move the **Width Guide** (a) to match the size of paper loaded.

Set the **Width Guide** against the edge of the paper to prevent the paper from becoming crooked or wrinkled.



5 Press the **OK** button.

- If a print job was received
  After the paper is advanced, the printer starts printing the print job.
- If no print job was received
  The printer now starts feeding the paper.

Loading Heavyweight Sheets in the Front Paper Feed Slot

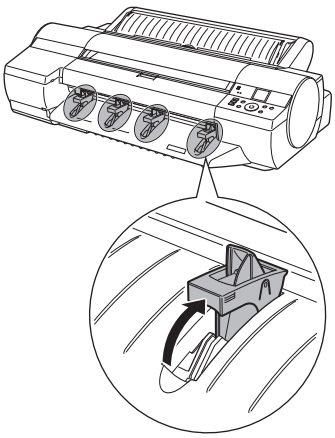
Important

- Always load **POP Board** in the **Front Paper Feed Slot** for printing. Loading it in other ways may impair operation and damage the printer.
- One sheet of paper can be loaded at a time. Do not load multiple sheets. This may cause paper jams.
- Straighten paper if it is warped before loading it.
- Load the paper straight. Loading paper askew will cause an error.
- After loading the paper, you cannot move it laterally to reposition it. Load the paper straight.

MEMO

- Store unused paper in the original package, away from high temperature, humidity, and direct sunlight.

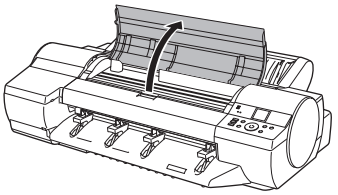
1 If the message **Leave 70cm (28") space behind printer.** is displayed, check the space behind the printer, pull up the four **Front Tray Guides** above the **Ejection Guide**, and press the **OK** button.



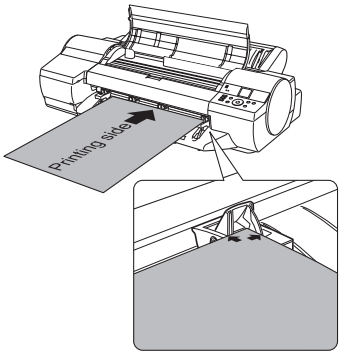
MEMO

- Sufficient space behind the printer is required when loading paper in the **Front Paper Feed Slot**. For details on the installation space required, see the following section.
  (→"Specifications," User's Guide)

2 After **Open Upper Cover** is displayed, open the **Top Cover**.

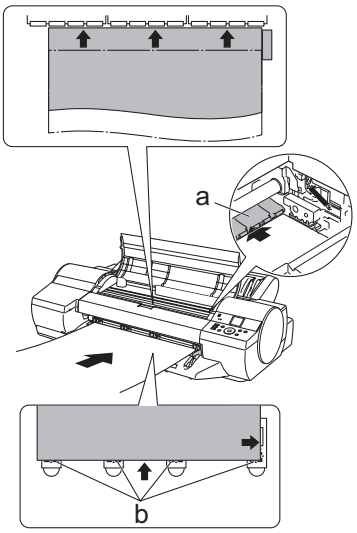


3 Set the leading edge of one sheet, printing-side up, on the **Front Tray Guides**, and insert the sheet in the **Front Paper Feed Slot**, keeping it level.

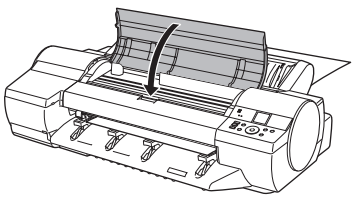


Caution
- When you insert the sheet in the **Front Paper Feed Slot**, keep the sheet level, relative to the paper feed slot. Failure to do this may scratch the printing surface.

4 As you look inside the **Top Cover**, insert the sheet between the **Platen** and **Paper Retainer** (a), keeping it parallel to the **Paper Retainer** (a), and align the leading edge of the paper with the **Paper Alignment Line** (b) of the **Front Tray Guides**.



5 When **Close top cover.** is displayed, close the **Top Cover** and press the **OK** button.

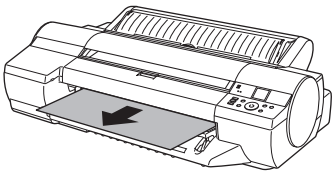


The sheet is held between the **Platen** and **Back Cover**, and feeding begins.

- If a print job was received
  After the paper is advanced, the printer starts printing the print job.
- If no print job was received
  The printer now starts feeding the paper.

6 After printing, the printer will temporarily stop advancing the paper while the trailing edge is still in the rollers to prevent the sheet from dropping.
Once you press the **OK** button, the paper can be removed.

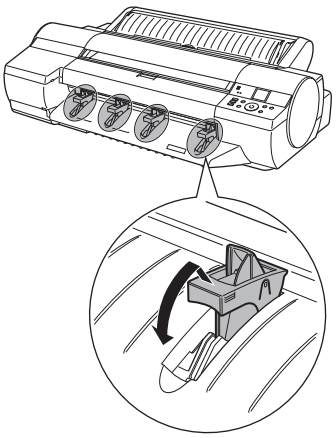
7 Remove the sheet, keeping the front edge level as you pull it out.

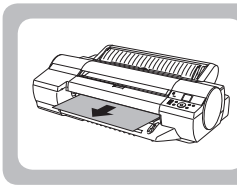


Important
• If **POP Board** is accidentally removed at an angle, it may scratch the printed surface.

8 Press the **OK** button.

9 Lift the four **Front Tray Guides** above the **Ejection Guide**, store them toward the front, and then press the **OK** button.



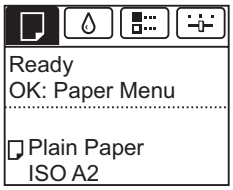


Removing Sheets

This section describes how to remove sheets from the printer.

Removing sheets from the top paper feed slot

1 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Paper tab** ( ).



MEMO
- If the **Tab Selection screen** is not displayed, press the **Menu** button.

2 Press the **OK** button.
The **Paper Menu** is displayed.

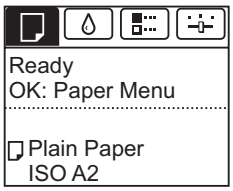
3 Press ▲ or ▼ to select **Eject Paper**, and then press the **OK** button.

4 Press ▲ or ▼ to select **Yes**, and then press the **OK** button.
The paper is ejected from the front of the printer.

Important
- If the trailing edge of a sheet is not ejected, pull the sheet out, keeping the front edge level. Accidentally removing the sheet at an angle may scratch the printed surface.

Removing heavyweight sheets from the front paper feed slot

1 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Paper tab** ( ).



MEMO
- If the **Tab Selection screen** is not displayed, press the **Menu** button.

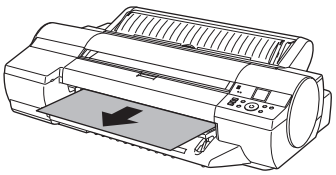
2 Press the **OK** button.
The **Paper Menu** is displayed.

3 Press ▲ or ▼ to select **Eject Paper**, and then press the **OK** button.

4 Press ▲ or ▼ to select **Yes**, and then press the **OK** button.
As the printer ejects the paper, the paper is stopped momentarily with the trailing edge still held in the rollers.

5 Press the **OK** button.
The sheet can now be removed.

6 Remove the sheet, keeping the front edge level as you pull it out.

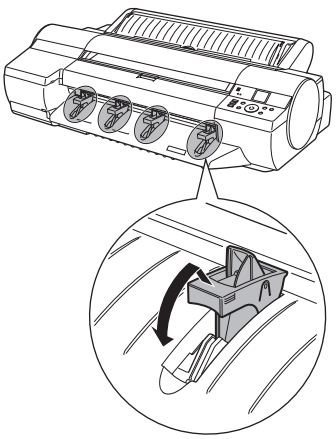


Important
- If **POP Board** is accidentally removed at an angle, it may scratch the printed surface.

7 Press the **OK** button.

Important
- Always remove the sheet before pressing the **OK** button. If you do not remove the sheet before step 7, it may go back inside the printer, leaving roller marks across the trailing edge of paper.

8 Lift the four **Front Tray Guides** above the **Ejection Guide**, store them toward the front, and then press the **OK** button.



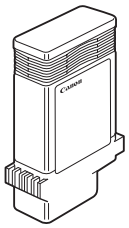
Consumables

Ink Tanks

When purchasing ink tanks, make sure the following Ink Tank serial numbers are printed on the label.

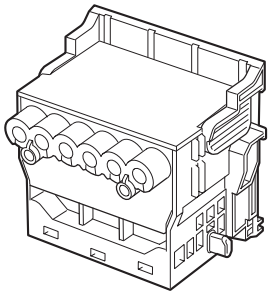
130 ml (4.4 fl oz.) per color

- MBK Ink Tank PFI-105MBK
- BK Ink Tank PFI-105BK
- C Ink Tank PFI-105C
- M Ink Tank PFI-105M
- Y Ink Tank PFI-105Y
- PC Ink Tank PFI-105PC
- PM Ink Tank PFI-105PM
- GY Ink Tank PFI-105GY



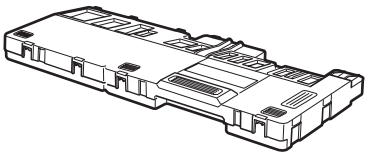
Printhead

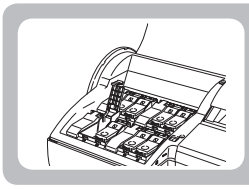
- Printhead PF-05



Maintenance Cartridge

- Maintenance Cartridge MC-16





Replacing Ink Tanks

Replace ink tanks as follows.

Compatible ink tanks

130 ml (4.4 fl oz) ink tanks can be used for replacement. (→1, Consumables)

Precautions when handling ink tanks

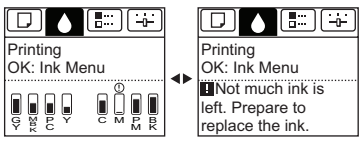
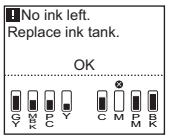
Take the following precautions when handling ink tanks.

Important

- There may be ink around the ink supply section of ink tanks you remove. Handle ink tanks carefully during replacement. The ink may stain clothing.
- Do not install used ink tanks in another model of printer.
  This will prevent correct ink level detection, which may damage the printer or cause other problems.
- We recommend using up an Ink Tank in the course of printing within six months after breaking the seal. Printing quality may be affected if you use older ink tanks.
- Do not leave the printer without ink tanks installed for extended periods (a month or more). Residual ink may become clogged inside the printer and affect printing quality.
- If you pause printing to replace an ink tank, it may cause uneven colors in the printed image.

Confirm the message

When the ink level becomes low, a message is displayed on the **Display Screen**.

According to the message, replace the ink tank or prepare a new ink tank.	
If a message requests you to replace an Ink Tank, press the **OK** button. In this case, you can skip the step "Access the menu for ink tank replacement." Follow the instructions in "Remove the ink tanks."	

Important

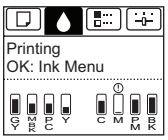
- Do not remove an Ink Tank during initialization immediately after turning on the printer, or during printhead cleaning. Ink may leak out.

MEMO

- Ink Tank replacement is possible even when print jobs are being canceled or if paper is being advanced.

Access the menu for ink tank replacement

1 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Ink tab** ( ).



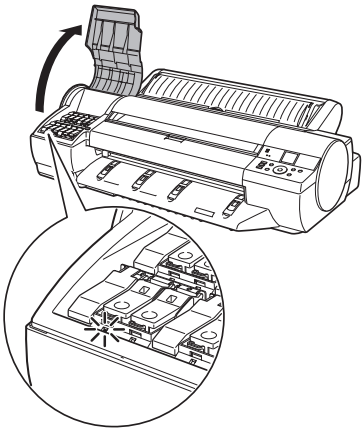
MEMO
• If the **Tab Selection screen** is not displayed, press the **Menu** button.

2 Press the **OK** button.
The **Ink Menu** is displayed.

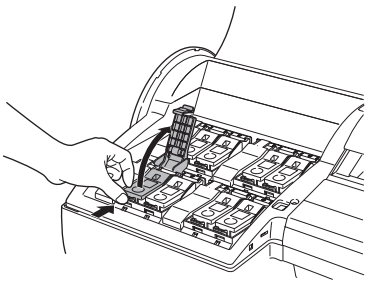
3 Press ▲ or ▼ to select **Rep. Ink Tank**, and then press the **OK** button.
A message on the **Display Screen** requests you to open the **Ink Tank Cover**. Remove the Ink Tank at this point.

Remove the ink tanks

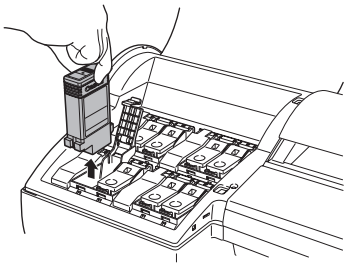
1 Open the **Ink Tank Cover** and check the **ink lamps**.
Ink lamps flash when there is little ink left.



2 Press the tip of the **Ink Tank Lock Lever** of the color for replacement horizontally and lift the **Ink Tank Lock Lever** to open it.

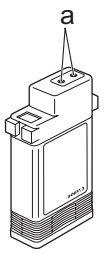


3 Hold the Ink Tank by the grips and remove it. Press the **OK** button.



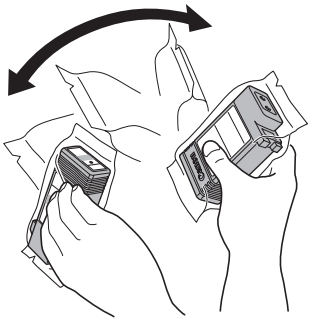
Important

- If there is still ink in the Ink Tank you removed, store it with the ink holes (a) facing up. Otherwise, ink may leak and cause stains. Put the Ink Tank in a plastic bag and seal it.



Install the ink tanks

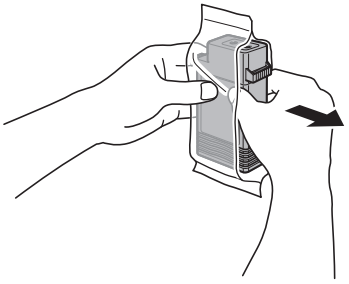
1 Before opening the pouch, gently agitate the Ink Tank seven or eight times. Agitate the ink in the Ink Tank by slowly rotating the Ink Tank upside-down and right side up repeatedly.



Important

- Do not remove and agitate ink tanks that have already been installed in the printer. Ink may leak out.
- If you do not agitate the Ink Tank, the ink may settle, which may affect printing quality.

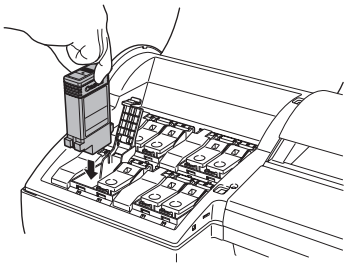
2 Open the pouch and remove the Ink Tank.



Important

- Never touch the ink holes or electrical contacts. This may cause stains, damage the Ink Tank, and affect printing quality.

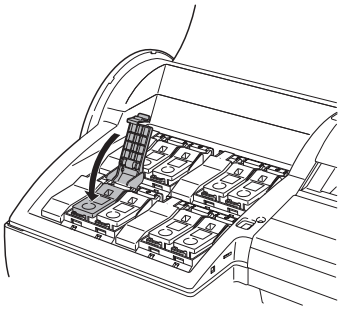
3 Press the **OK** button and insert the Ink Tank into the holder facing as shown, with the ink holes down.



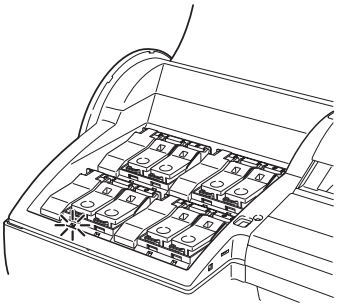
Important

- Ink tanks cannot be loaded in the holder if the color or orientation is incorrect.
  If the Ink Tank does not fit in the holder, do not force it into the holder. Make sure the color of the **Ink Tank Lock Lever** matches the color of the Ink Tank, and check the orientation of the Ink Tank before reloading it.

4 Push the **Ink Tank Lock Lever** closed until it clicks into place.



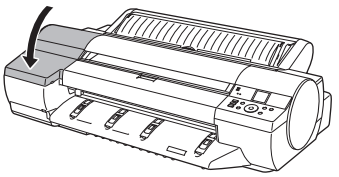
5 Make sure the **Ink Lamp** is lit in red.

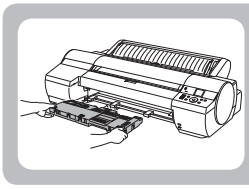


MEMO

- If the **Ink Lamp** is not lit, reload the tank.

6 Close the **Ink Tank Cover**.





Replacing the Maintenance Cartridge

Replace the Maintenance Cartridge as follows.

Compatible maintenance cartridges

Use Maintenance Cartridge MC-16.

Precautions when handling the maintenance cartridge

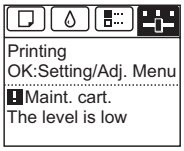
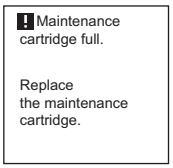
Take the following precautions when handling the Maintenance Cartridge.

Important

- Do not remove the Maintenance Cartridge except to replace it.
- To prevent ink from leaking from a used Maintenance Cartridge, avoid dropping the cartridge or storing it at an angle. Otherwise, ink may leak and cause stains.
- Ink adheres to the top of the Maintenance Cartridge after it has been used. Handle the Maintenance Cartridge carefully during replacement. The ink may stain clothing.

Confirm the message

When the Maintenance Cartridge is almost empty, a message is shown on the **Display Screen**.

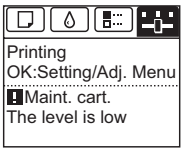
According to the message, replace the Maintenance Cartridge or prepare a new Maintenance Cartridge.	
If a message is displayed requesting Maintenance Cartridge replacement, you can skip the step "Access the menu for maintenance cartridge replacement." Follow the instructions in "Replace the maintenance cartridge."	

Important

- Do not replace the Maintenance Cartridge during initialization immediately after turning on the printer, during Printhead cleaning, or when ink is being absorbed. Ink may leak out.

Access the menu for maintenance cartridge replacement

1 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Settings/Adj. tab** ( ).



MEMO
- If the **Tab Selection screen** is not displayed, press the **Menu** button.

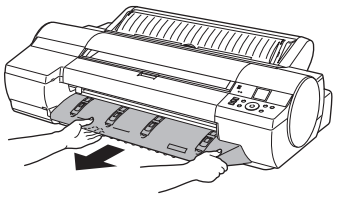
2 Press the **OK** button.
The **Set./Adj. Menu** is displayed.

3 Press ▲ or ▼ to select **Maintenance**, and then press the **OK** button.

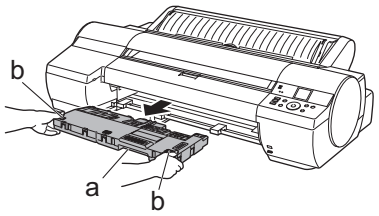
4 Press ▲ or ▼ to select **Repl. Maint. C**, and then press the **OK** button.

Replace the maintenance cartridge

1 Remove the **Ejection Guide**.

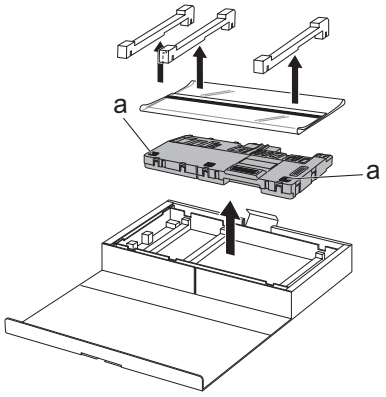


2 Pull out the used Maintenance Cartridge by the grip (a). Holding the cartridge by the handles (b) on both sides, keep the cartridge level as you remove it.



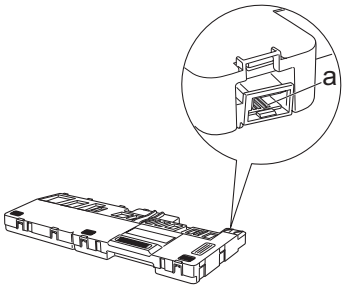
Important
- Used maintenance cartridges are heavy. Always grasp the cartridge firmly and keep the cartridge level during removal and storage. If you drop a used Maintenance Cartridge or store it at an angle, ink may leak and cause stains.
- The remaining Maintenance Cartridge capacity is recorded on each printer. Do not install a used Maintenance Cartridge in another printer.

3 Open the box of the new Maintenance Cartridge and remove the plastic bag and packaging material. Holding the handles (a) on both sides, pull out the cartridge.

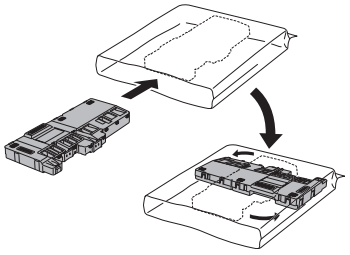


Important

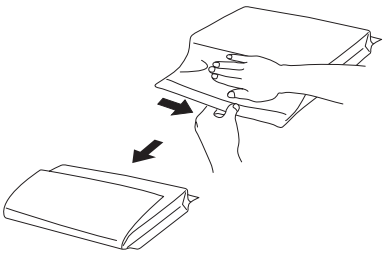
- Never touch the metal contacts (a). This may damage the Maintenance Cartridge.



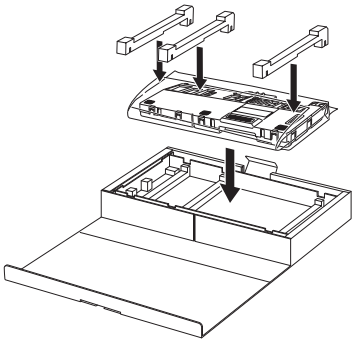
4 Keep the used Maintenance Cartridge level as you put it in the plastic bag that was in the box, as shown.



5 Expel excess air from the plastic bag as you seal the zipper. Fold the bag in half.



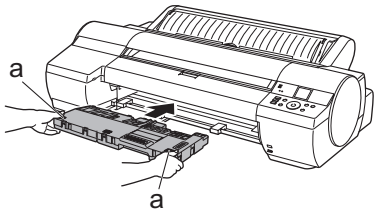
6 Put the used Maintenance Cartridge and packaging material in the box, just as the new Maintenance Cartridge was originally packaged, and store the used cartridge keeping it level.



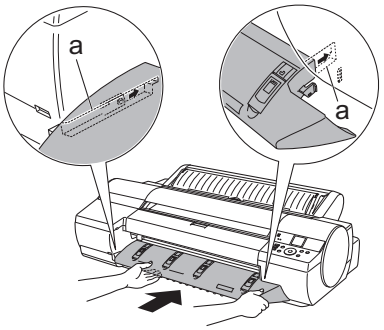
Important

- Always put the used Maintenance Cartridge back in the box and store the box on a flat surface. Otherwise, ink may leak and cause stains.

7 Holding the handles (a) on both sides of the new Maintenance Cartridge, insert it completely, keeping it level.

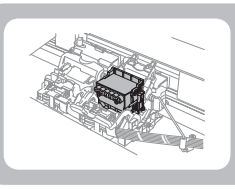


8 Hold the **Ejection Guide** on both sides by the near end. Aligning the **Ejection Guide** with the guides (a), insert it into the printer until it locks in place.



9 Press the **OK** button.

The printer now initializes the Maintenance Cartridge.



Replacing the Printhead

Replace the Printhead as follows.

When to replace the printhead

This printer is equipped with two printheads.

Replace one or both printheads in the following situations.

- If the printing quality does not improve even after one or two cycles of **Head Cleaning B** from the printer menu

  Replace any printheads with poor printing performance.
- If the **Display Screen** indicates **Open top cover and replace the left printhead.**

  Replace the Printhead on the left side.
- If the **Display Screen** indicates **Open top cover and replace the right printhead.**

  Replace the Printhead on the right side.
- If your Canon dealer has advised you to replace the Printhead

  Replace the Printhead as directed.

Compatible printheads

Use Printhead PF-05.

Precautions when handling the printhead

Take the following precautions when handling the Printhead.

Important

- There may be ink around the nozzles of the Printhead you remove. Handle the Printhead carefully during replacement. The ink may stain clothing.
- Do not open the Printhead pouch until immediately before installation. After removing the Printhead from the pouch, install it right away. If the Printhead is left after the pouch is opened, the nozzles may dry out, which may affect printing quality.

Access the menu for printhead replacement

Caution
- When replacing the Printhead immediately after printing, wait a few minutes before replacing it. The metal parts of the Printhead become hot during printing, and there is a risk of burns from touching these parts.

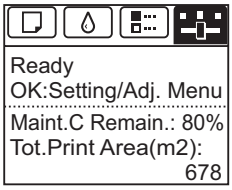
Important
- Your hands may become dirty during Printhead replacement. Use the gloves provided with the new Printhead for replacement.

MEMO
- Prepare a new Ink Tank when ink levels are low.
- When the remaining capacity of Maintenance Cartridge is low, prepare a new Maintenance Cartridge.

1 Remove any paper that has been advanced by selecting **Eject Paper** in the **Control Panel** menu.
- When using a roll, rewind it.
  (→1, Removing the Roll from the Printer)
- When using sheets, remove the sheet.
  (→1, Removing Sheets)

2 Clean inside the **Top Cover**. (→2, If Paper is Soiled)

3 On the **Tab Selection screen** of the **Control Panel**, press ◄ or ► to select the **Settings/Adj. tab** ( ).



MEMO
- If the **Tab Selection screen** is not displayed, press the **Menu** button.

4 Press the **OK** button.
The **Set./Adj. Menu** is displayed.

5 Press ▲ or ▼ to select **Maintenance**, and then press the **OK** button.

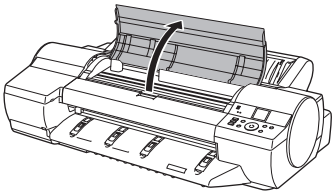
6 Press ▲ or ▼ to select **Replace P.head**, and then press the **OK** button.

7 Press ▲ or ▼ to select the Printhead for replacement.
Select **Printhead L** when replacing the left printhead and **Printhead R** when replacing the right printhead. Make sure your selection is correct.

8 Press the **OK** button.
Ink is now filled.
After about three minutes, a message is shown on the **Display Screen** instructing you to open the **Top Cover**.

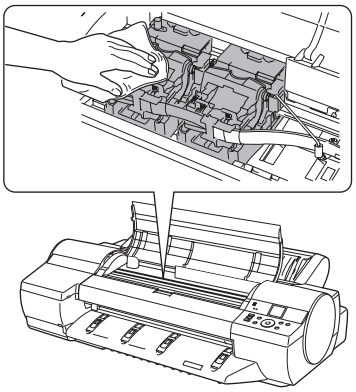
Replace the printhead

1 Open the **Top Cover**.



Instructions are now shown on the **Display Screen** regarding Printhead replacement.

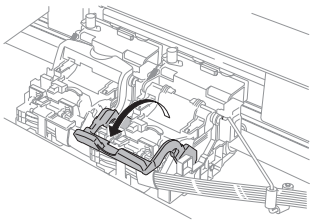
2 If the **Printhead Fixer Cover** or **Printhead Fixer Lever** is dirty, use a damp cloth that you have wrung out completely to wipe it clean.



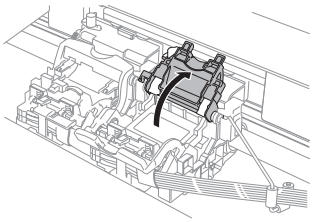
Important

- Never touch the metal contacts of the **Carriage**. This may damage the printer.

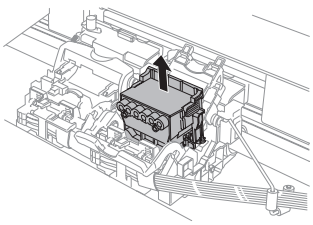
3 Pull the **Printhead Fixer Lever** forward all the way to open it completely.



4 Pull up the **Printhead Fixer Cover** to open it completely.



5 Remove the Printhead and press the **OK** button.

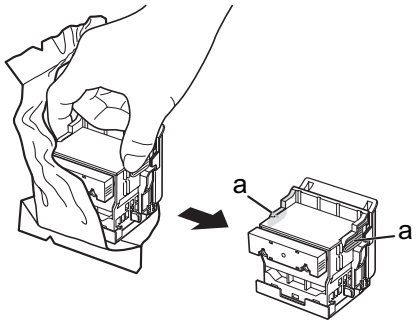


MEMO

- Dispose of the used Printhead in accordance with local regulations.

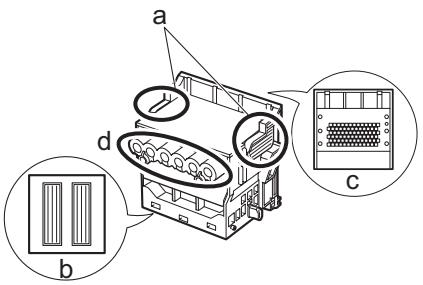
6

Holding the new Printhead by the grips (a), remove it from the pouch.



Important

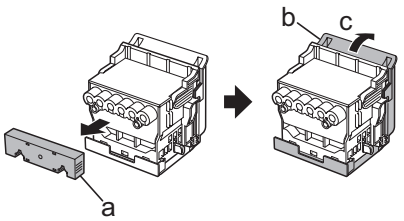
- When handling the Printhead, always hold it by the grips (a). Never touch the nozzles (b) or metal contacts (c). This may damage the Printhead and affect printing quality.
- Never touch the ink supply section (d). This may cause printing problems.



- If you need to put a Printhead somewhere temporarily before installation, do not keep the nozzles and metal contacts facing down. If the nozzles or metal contacts are damaged, it may affect the printing quality.

7

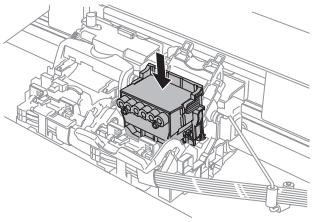
While firmly holding the Printhead you have removed, use your other hand to remove the orange Protective Part (a). Squeeze the grips (c) of Protective Part (b) and pull it down to remove it.



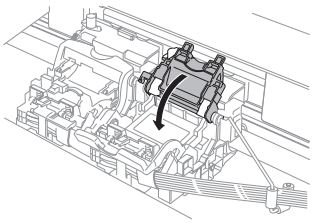
Important

- The inside surface of the Protective Part (a) and Protective Part (b) is coated with ink to protect the nozzles. Be careful not to touch these surfaces when removing the caps.
- The Printhead contains ink to protect the nozzles. We recommend removing Protective Part (b) as you hold it over the Printhead package or safely out of the way to avoid spilling ink and staining your clothes or the surrounding area. If ink accidentally spills, wipe off the ink with a dry cloth.
- Do not reattach the Protective Part or protective material. Dispose of these materials in accordance with local regulations.

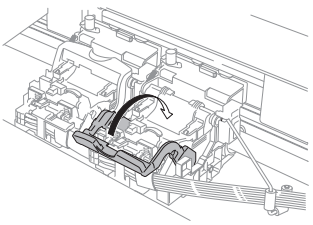
8 With the nozzles facing down and the metal contacts toward the back, insert the Printhead into the **Carriage**. Carefully push the printhead firmly into the **Carriage**, ensuring that the nozzles and metal contacts do not touch the carriage.



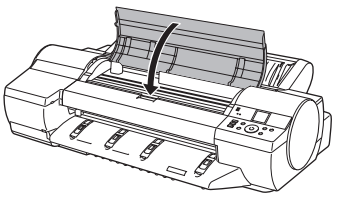
9 Pull the **Printhead Fixer Cover** down toward the front to lock the Printhead in place.



10 Push the **Printhead Fixer Lever** toward the back of the printer until it clicks.



11 Close the **Top Cover**.



Ink is being filled. It takes about nine minutes for ink to fill the system.

Important
- While ink is being filled, definitely do not remove the Ink Tank. Ink may leak out.

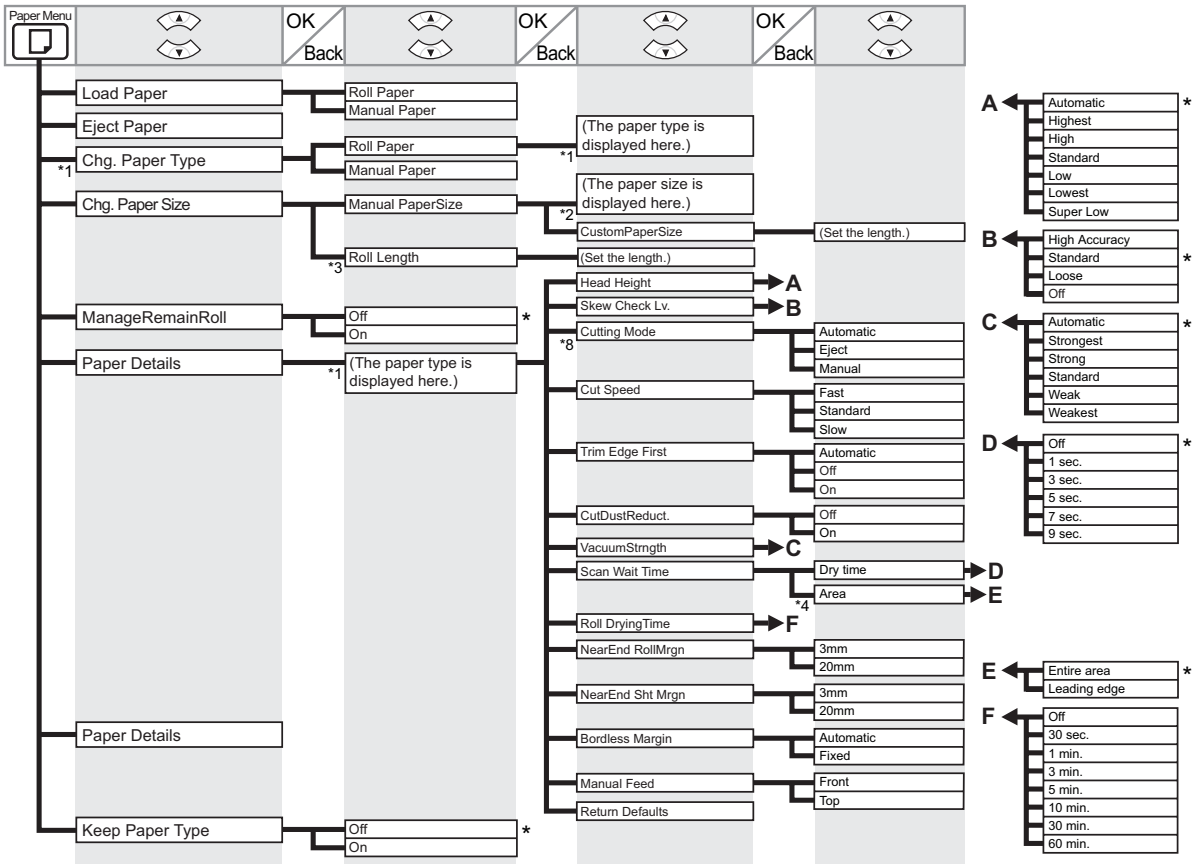
MEMO
- The procedure is now finished if you have set **Rep.P.head Print** to **Off** in the **Control Panel** menu. If so, execute **Head Posi. Adj.** > **Auto(Advanced)** in the **Control Panel** menu. (→2, If Vertical Lines are Warped or Colors are Misaligned)

12 Follow the instructions on the **Display Screen** and supply paper that you will use for printing. After the paper is advanced, **Head Posi. Adj.** will be executed automatically. (→2, If Vertical Lines are Warped or Colors are Misaligned)

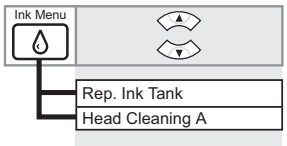
MEMO
- When printing fine lines or text at high precision on glossy or semi-glossy photo or proofing paper, set the optimal Printhead height before aligning the printhead. (→"Enhancing Printing Quality," User's Guide)

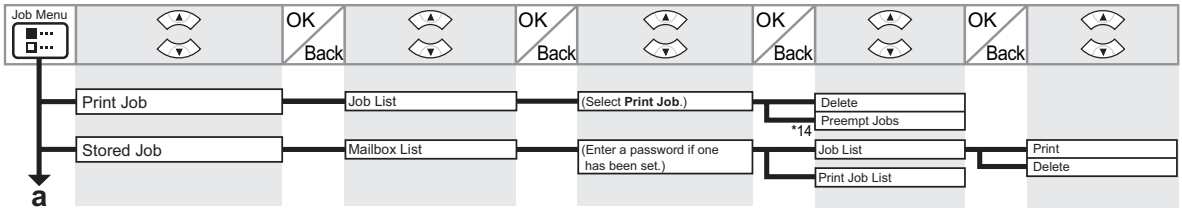
Menu Map

The structure of **Tab Selection screen** menus on the control panel is as follows. Values at right labeled with an asterisk (*) are the defaults. For details on settings values, refer to the User's Guide.
To access tab menus, press the Menu button to display the **Tab Selection screen**, press ◄ or ► to select the tab, and then press the **OK** button.

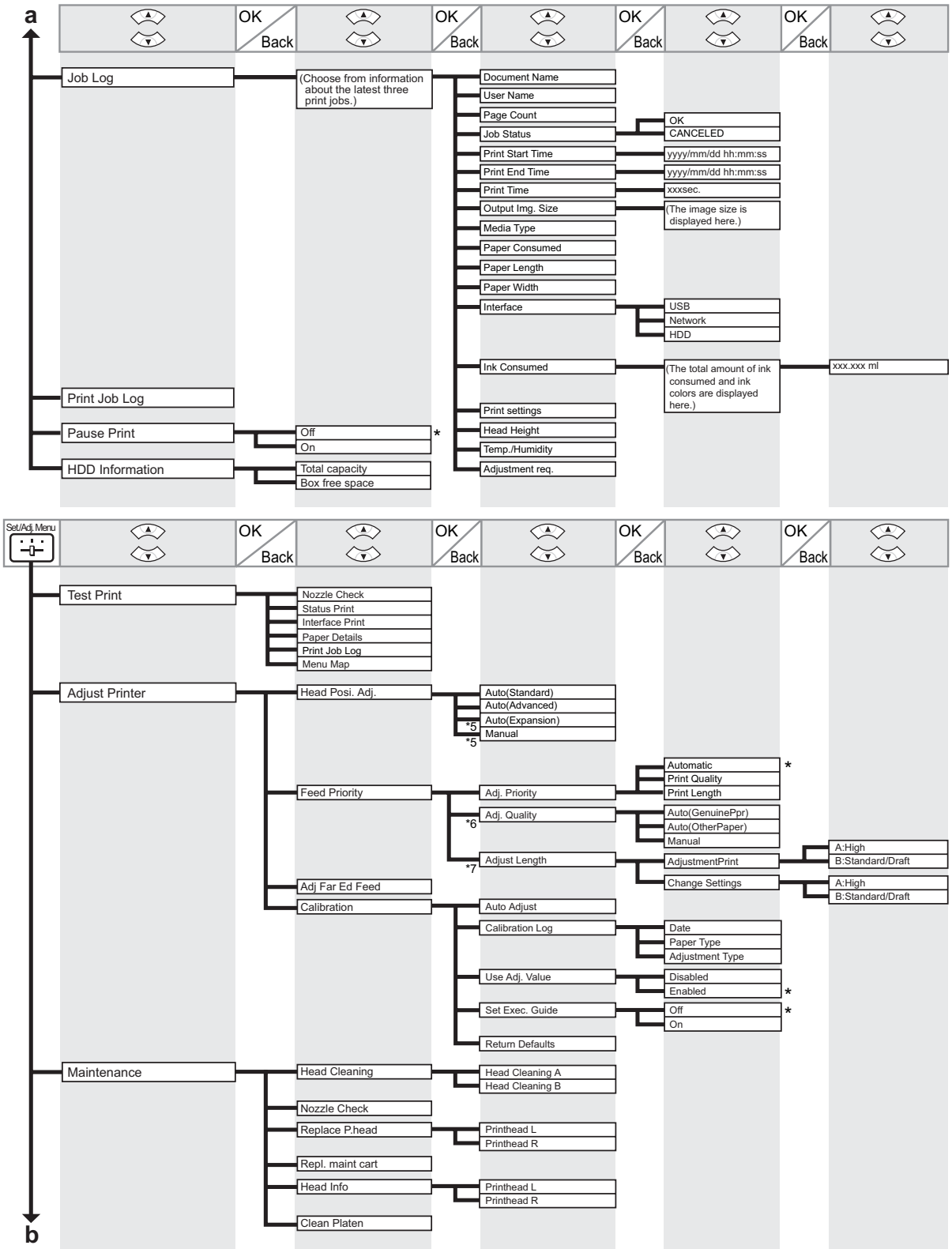


*1: For information on the types of paper the printer supports, refer to the Paper Reference Guide.
The paper type setting in the printer driver and related software (as well as on the **Control Panel**) is updated when you install the printer driver from the User Software CD-ROM or if you change paper information by using the Media Configuration Tool.
*2: For information on the sizes of paper the printer supports, refer to the User's Guide.
(→"Paper Sizes," User's Guide)
*3: Available only if **ManageRemainRoll** is **On**.
*4: **Leading edge** is not available as a setting option in the **Paper Detailed Settings** dialog box of the printer driver.
*8: Refer to "Specifying the Cutting Method for Rolls". (→"Specifying the Cutting Method for Rolls," User's Guide)





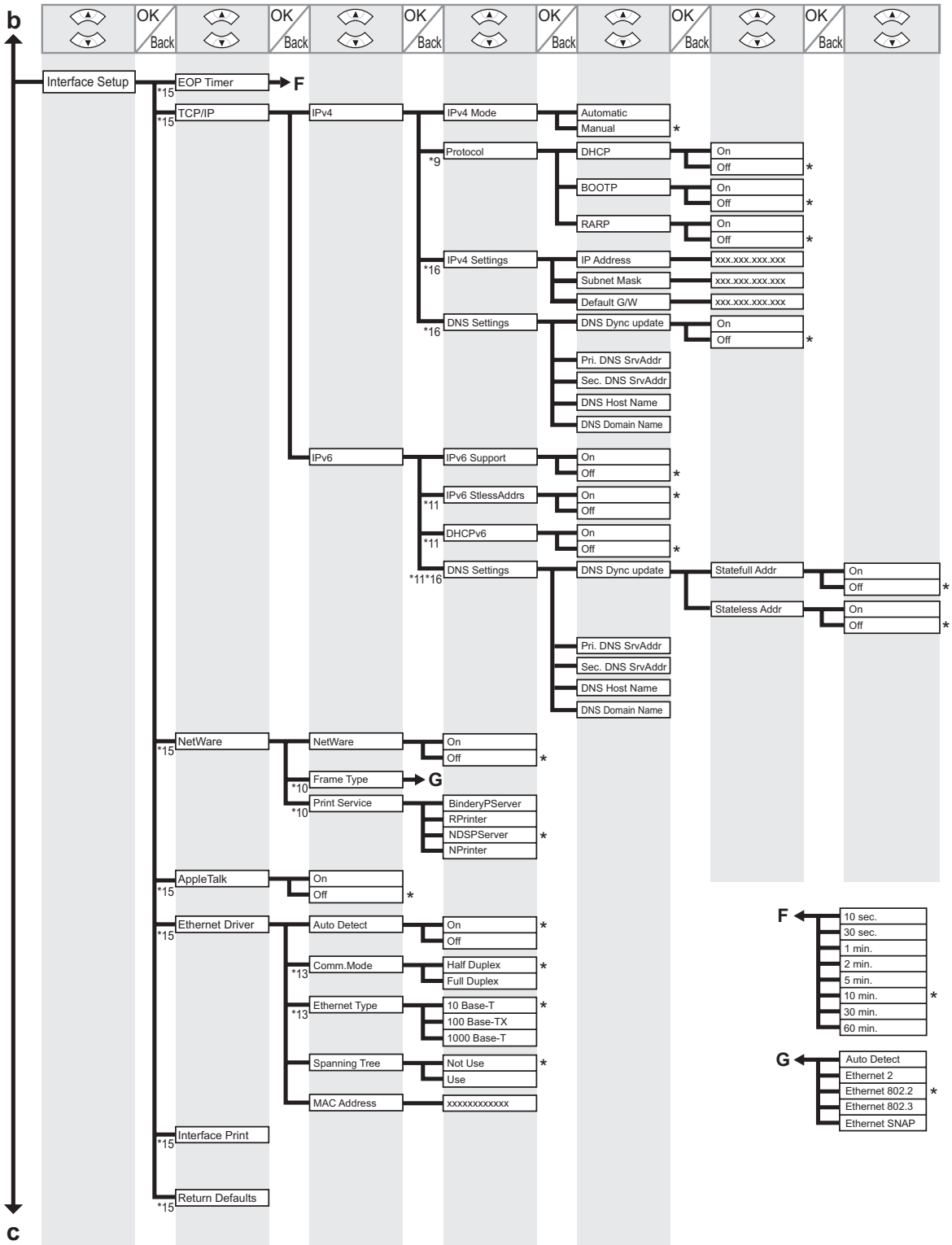
*14: **Print Anyway** is displayed when a job being held is selected.



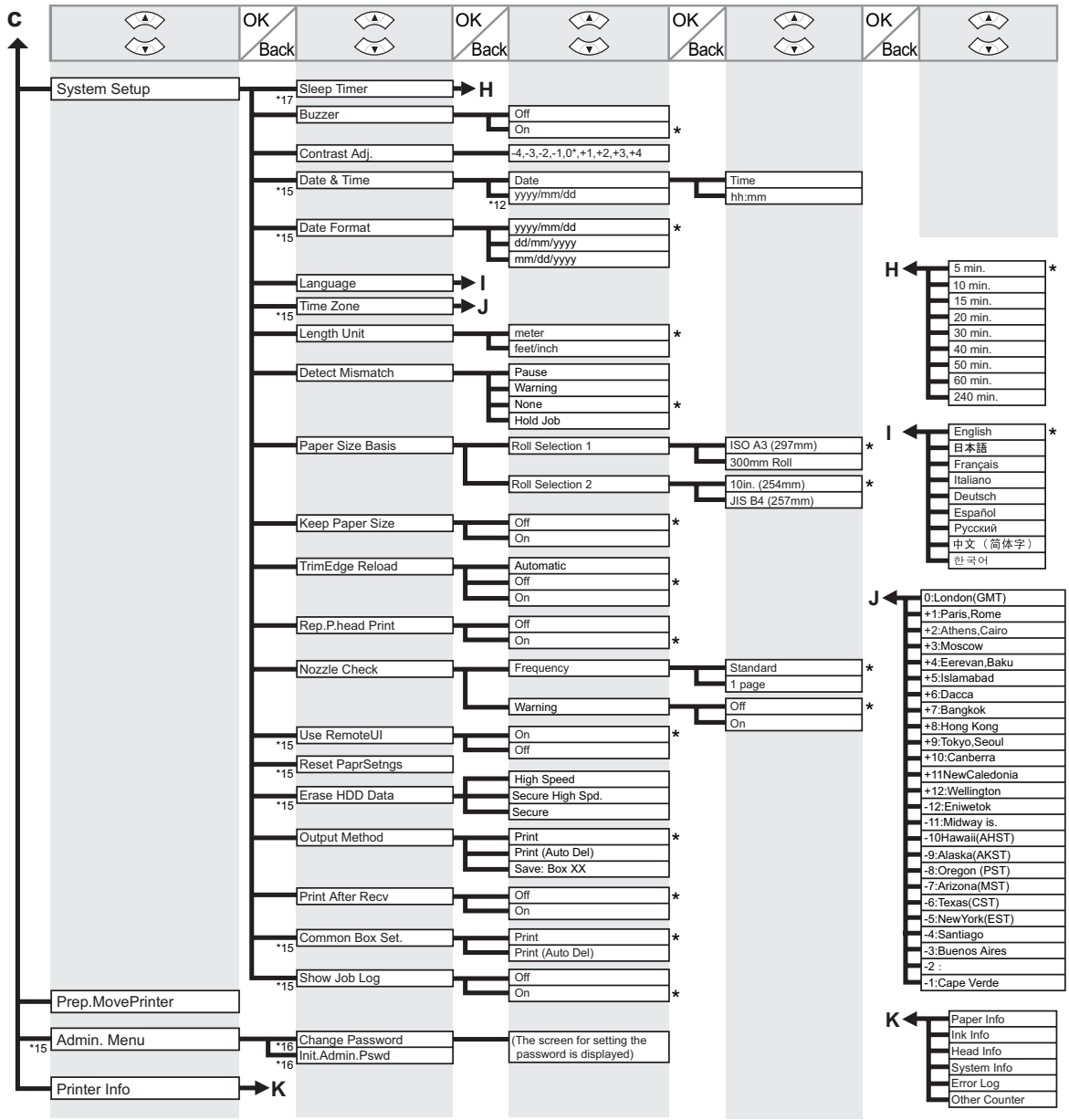
*5: Available after **Auto(Advanced)** in **Head Posi. Adj.** has been used once.

*6: Available when you have specified **Feed Priority** > **Adj. Priority** > **Automatic** or **Print Quality**.

*7: Available when you have specified **Feed Priority** > **Adj. Priority** > **Automatic** or **Print Length**.



*9: Not shown if you have set **IPv4 Mode** to **Manual**.
*10: Not shown if you have set **NetWare** to **Off**.
*11: Not displayed if **IPv6 Support** is **Off**.
*13: Not shown if you have set **Auto Detect** to **On**.
*15: Viewing and configuration is possible for administrators, and only viewing for other users.
*16: Viewing and configuration is possible for administrators only.



*12: Follows the setting in **Date Format**.

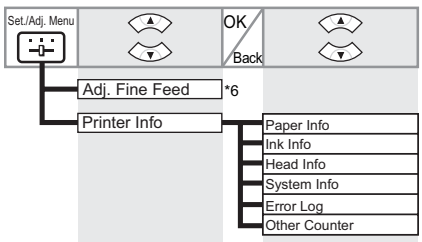
*15: Viewing and configuration is possible for administrators, and only viewing for other users.

*16: Viewing and configuration is possible for administrators only.

*17: Default setting for the time to enter the power save mode/Sleep mode is recommended.

Menu When Printing

The following operations are available from the menu during printing.



*6: Available when you have specified **Feed Priority** > **Adj. Priority** > **Automatic** or **Print Quality**.

The same menus as usual are shown in [Ink Menu] (**Ink Menu**) and [Job Menu] (**Job Menu**).

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