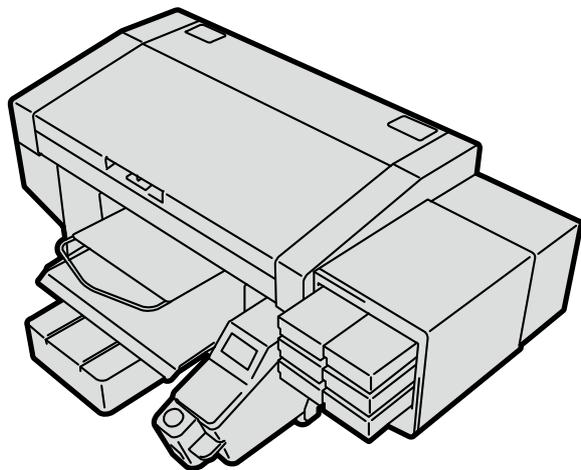




Please be sure to read this manual before using this product.
Keep this manual in a safe place for future use.



GTX-4

GARMENT PRINTER Setup Manual

Table of contents

Please be sure to read "SAFETY INSTRUCTIONS" before use.

	Installation	1
	Setup of the printer	5
	Connection to a PC	17
	Adjustment	23
	Maintenance list	27

SAFETY INSTRUCTIONS

Thank you very much for buying a BROTHER printer. Before using your new printer, please read the "SAFETY INSTRUCTIONS" and handling instructions carefully.

SAFETY INSTRUCTIONS

1. Safety indications and their meanings

This instruction manual and the indications and symbols that are used on the printer itself are provided in order to ensure safe operation of this printer and to prevent accidents and injury to yourself or other people.

The meanings of these indications and symbols are given below.

Indications

 DANGER	The instructions which follow this term indicate situations where failure to follow the instructions will result in death or serious injury.
 WARNING	The instructions which follow this term indicate situations where failure to follow the instructions could result in death or serious injury.
 CAUTION	The instructions which follow this term indicate situations where failure to follow the instructions may result in minor or moderate injury.

 **IMPORTANT**

The instructions which follow this term indicate situations where failure to follow the instructions may result in damage to property.

 **NOTE**

The instructions which follow this term indicate precautions and restrictions for use.

Symbols



This symbol () indicates something that you should be careful of. The picture inside the triangle indicates the nature of the caution that must be taken. (For example, the symbol at left means "beware of injury".)



This symbol () indicates something that you must not do.



This symbol () indicates something that you must do. The picture inside the circle indicates the nature of the thing that must be done. (For example, the symbol at left means "you must make a ground connection".)

2. Notes on safety

 **DANGER**



Contact with high voltage sections may lead to a serious injury. Turn off the power, and remove the cover 5 minutes later.

WARNING

Basic precautions



To prevent accidents and problems, do not modify the machine yourself. Brother will not be held responsible for any accidents or problems resulting from modifications made to the machine.



Do not handle the power cord with wet hands. Otherwise, it may cause electric shocks.

Installation



Do not set up the printer in a dusty environment. If dust collects inside the printer, it may cause fire or electric shocks or problems with correct operation.



Be sure to connect the ground. If the ground connection is not secure, you run a high risk of receiving a serious electric shock, and problems with correct operation may also occur.



Do not bend the cords excessively or fasten them too hard with staples or anything similar to secure cords. Otherwise it may cause fire or electric shocks.



Printing



If a foreign object gets inside the printer, immediately turn off the power, disconnect the power cord, and contact the place of purchase or a qualified technician. If you continue to use the printer while there is a foreign object inside, it may result in fire or electric shocks or problems with correct operation.



Do not allow the printer to come into contact with liquids. Otherwise it may cause fire or electric shocks or problems with correct operation.



If any liquid gets inside the printer, immediately turn off the power, disconnect the power cord, and contact the place of purchase or a qualified technician.



Do not use the printer when smoke or a bad odor is coming from the printer. Otherwise it may cause fire or electric shocks or problems with correct operation. Immediately turn off the power, disconnect the power cord, and contact the place of purchase or a qualified technician.



 WARNING	
Printing	
	Keep your finger or any body part away from the rotating fan. Otherwise it will be caught up, which results in injuries. Turn off the power when you approach the fan.

 CAUTION	
Environmental requirements	
	Use the printer in a place which is adequately ventilated. A slight odor is generated when the printed articles are being fixed by heat.
Installation	
	Setting up and moving of the printer should only be carried out by a qualified technician.
	The printer machine weighs 120 kg (265 lb). Transporting and setting up of the printer should be held in the proper way. Otherwise it may fall down and cause injury.
	
	When the printer falls down, disconnect the power cord and contact the place of purchase or a qualified technician. If you continue to use it, it may result in fire or electric shocks or poor printing quality.
	

	Do not place the printer on a shaky table or high shelf or other unstable location. Otherwise it may tip over or fall down and cause injury. Furthermore, the table that supports the printer should be at least 35.4 in. (90 cm) in width and 23.6 in. (60 cm) in depth, and should be able to bear a weight of 150 kg (330 lb) or more.
	Do not set up the printer in a place where it will be affected by vibration. Otherwise the printing quality may be degraded or the printer may fall down, which causes injury or results in failure of the printer.
	Do not connect the power cord until installation is complete. The printer may operate if the power is turned on by mistake, which could result in injury.
	Do not climb onto the printer or place heavy objects on top of it. Otherwise it may become unbalanced and tip over or fall down and cause injury.
	Be careful not to touch the claws of the mounting portion on the upper side of the rear cover. Otherwise you may be injured.
Printing	
	This printer should only be used by operators who are appropriately trained in its safe operation.

CAUTION

Printing



Ensure there is adequate space left in front of the printer and avoid placing any objects. Otherwise your hand may get caught between the platen and an object, which may result in injury.



Do not handle the platen while printing. If your hand gets caught between the platen or the T-shirt tray and the covers, it may be injured.



Do not put your hands inside the covers while the printer's power is turned on. Otherwise your hands may touch against moving parts and this may result in injury.



When the pretreatment is applied to printed objects (like a T-shirt) with a spray or pretreatment applicator, sprayed mist is generated. So wear a pair of plastic gloves, a mask and protective glasses (or goggles) designed to shield against liquid splash, and fully take care of the air ventilation when you are working with it.



When a problem occurs with the operation of the printer, contact the place of purchase or a qualified technician.

Maintenance



Be careful not to get your fingers caught when closing the front cover, otherwise it may result in injury to your fingers.



When you mount or replace the head, be careful not to get your hands or fingers caught. Otherwise you may be injured.



Do not disassemble the ink pouch. If the ink gets into your eyes or onto your skin, it may cause inflammation. In case of contact with eyes, do not rub but immediately rinse the eyes with water.



Do not drink liquids such as the ink, maintenance solution, cleaning solution, pretreatment, or waste. They may cause diarrhea or vomiting. Avoid causing your eyes or skin to make contact with the ink, maintenance solution, cleaning solution, pretreatment or waste. It may cause inflammation. In case of contact with eyes, do not rub but immediately rinse the eyes with water. Keep the liquids out of the reach of children.



Be sure to wear protective goggles and gloves when handling the grease, so that it does not get into your eyes or onto your skin. It can cause inflammation. Do not drink or eat the grease. It may cause diarrhea or vomiting. Keep the liquids out of the reach of children.

 **CAUTION**

Maintenance

-  When replacing parts and installing optional accessories, be sure to use only genuine Brother parts. Brother will not be held responsible for any accidents or problems resulting from the use of non-genuine parts.
-  When replacing parts or installing optional accessories, be sure to follow the procedures described in the Instruction Manual. Incorrect procedures could cause injuries or problems.

((!))IMPORTANT

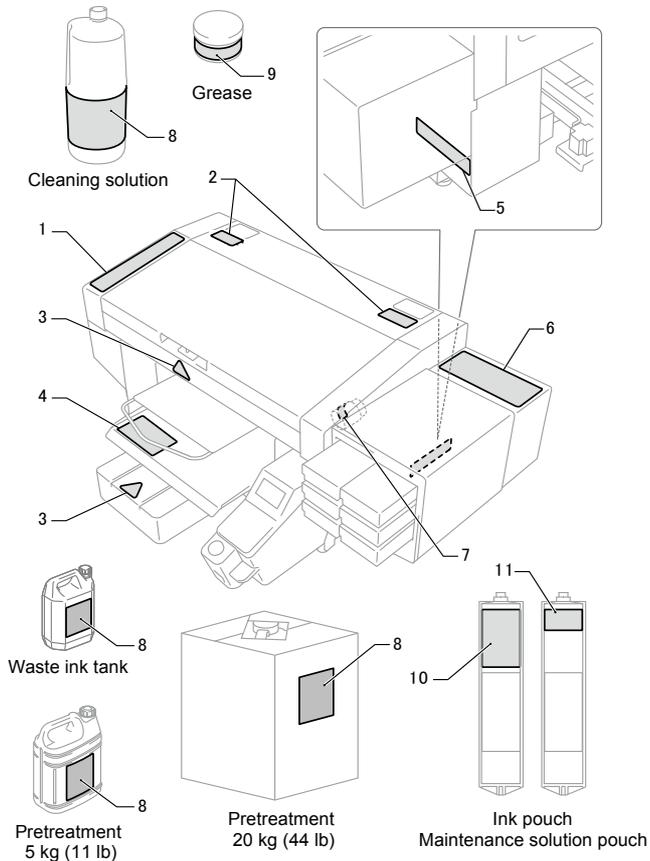
Printing

-  Do not move the platen by hand. Otherwise the printer may be mechanically and electrically damaged.
-  Ensure there is adequate space left in front of the printer and avoid placing any objects. The platen may be hit and damaged.

((!))NOTE

-  Use the printer in an area which is free from sources of strong electrical noise such as electrical line noise or static electric noise. Sources of strong electrical noise may cause problems with correct operation.
-  Any fluctuations in the power supply voltage should be within $\pm 10\%$ of the rated voltage for the printer. Voltage fluctuations which are greater than this may cause problems with correct operation.
-  The power supply capacity should be greater than the requirements for the printer's power consumption. Insufficient power supply capacity may cause problems with correct operation.
-  In the event of an electrical storm, turn off the power and disconnect the power cord from the wall outlet. Lightning may cause problems with correct operation.

3. Warning labels



X0028

This printer has the following warning labels displayed on it. Follow the precautions given on each warning label for your work.

When the label is peeled off or illegible, contact the place of purchase.

1 **▲ 注意**

下向きに注ぎすぎると液体が流出し、インクなどの液体を傷を原因にします。液を注ぎすぎると危険があります。インクなどの液体が顔や目や皮膚に付かないようにしてください。

▲ 注意

有害な液体が顔、目、髪、髪や衣服等に接触すると、有害な結果をもたらす可能性があります。注意喚起等液体を不要に廃棄して処理してください。

▲ CAUTION

Do not drink the liquids under any circumstances, as they can cause vomiting and diarrhea. Take care not to let the liquids come into contact with your eyes or onto your skin, otherwise inflammation can result.

▲ ACHTUNG

Bitte trinken Sie nicht die Flüssigkeiten, die die Gefahr von Erbrechen und Durchfall beinhalten. Vermeiden Sie den Kontakt der Flüssigkeiten mit Augen und Haut, sonst können diese gereizt werden.

▲ ATTENTION

Ne pas avaler les liquides de aucune manière, car ceux-ci peuvent entraîner vomissements et diarrhées. Veillez à ne pas laisser ces liquides être en contact avec les yeux ou la peau, car ceci pourrait entraîner une inflammation.

▲ ATENCION

No tome los líquidos en cualquier caso, como pueden causar vómitos y diarrea. Tome el cuidado para no permitir que los líquidos toquen los ojos ni en la piel, de otro modo inflamación puede resultar.

▲ ATTENZIONE

Non bere per nessun motivo i liquidi poiché possono causare vomito e diarrea. Evitare il contatto di questi liquidi con gli occhi e con la pelle poiché potrebbero causare infiammazioni.

2 **▲ WARNING**

 Hazardous moving parts. Keep fingers and other body parts away.

3 **▲ 注意**

 Watch your fingers, or you may be injured.

4 **▲ 注意**

印刷中に「ストップ」ボタンを押すと印刷が中止され、印刷済みのプリントアウトが本番で実行されず、印刷が完了しない場合があります。印刷中に「ストップ」ボタンを押すと印刷が中止され、印刷済みのプリントアウトが本番で実行されず、印刷が完了しない場合があります。

▲ 注意

手裏を汚す可能性があります。印刷中に「ストップ」ボタンを押すと印刷が中止され、印刷済みのプリントアウトが本番で実行されず、印刷が完了しない場合があります。

▲ CAUTION

Moving (plain, text) tray and cover can cause injury. Keep hands off plain while printing.

▲ ACHTUNG

Drucktablett, Text-Abgabe- und Abdeckungen können körperliche Verletzungen verursachen. Halten Sie die Hände von der Abgabe während des Druckvorganges fern.

▲ ATTENTION

Déplacement du plateau, du papier, de la couverture peut blesser le corps. Garder les mains éloignées lors de l'impression.

▲ ATTENZIONE

Movendo la placca, la bandiera di carta e le sottili coperture possono causare una ferita personale. Evitare le mani da toccare durante la stampa.

▲ ATTENZIONE

Movendo la tavola, il coperchio e le sottili coperture possono causare infortuni. Evitare le mani da toccare durante la stampa.

5 **▲ 危険**

▲ 危険

危険な液体が顔、目、髪、髪や衣服等に接触すると、有害な結果をもたらす可能性があります。注意喚起等液体を不要に廃棄して処理してください。

▲ DANGER

Hazardous liquid may cause inflammation if it comes into contact with the face, eyes, hair, clothing, etc. Please dispose of the liquid properly.

▲ GEFAHR

Gefahrige Flüssigkeiten können zu Entzündungen führen, wenn sie mit dem Gesicht, den Augen, dem Haar, der Kleidung usw. in Kontakt kommen. Entsorgen Sie die Flüssigkeiten ordnungsgemäß.

▲ DANGER

Pericolo di infiammazione se i liquidi entrano in contatto con il viso, gli occhi, i capelli, gli indumenti, ecc. Smaltire i liquidi in modo appropriato.

▲ PERIGRO

Peligro de inflamación si los líquidos entran en contacto con el rostro, los ojos, el pelo, la ropa, etc. Elimine los líquidos de forma adecuada.

6 **▲ 注意**

 Never touch the printer when it is hot.

▲ 注意

本体の上に置かないこと。

▲ 注意

请勿放在主体上面。

▲ CAUTION

Do not climb onto the printer.

▲ ACHTUNG

Niemals auf dem Drucker steigen.

▲ ATTENTION

Ne montrez pas sur l'imprimante.

▲ ATTENCION

No se suba encima de la impresora.

▲ ATTENZIONE

Non salire sulla stampante.

7 **▲ 注意**

 High temperature warning display

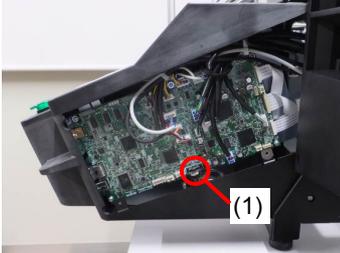
<When you dispose of the machine>

Required Tools

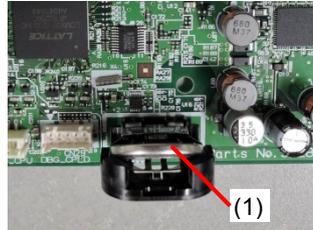
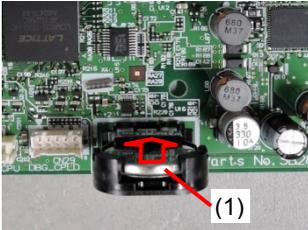
Phillips screwdriver: M3 to M5

Disassembling

1) Remove the Cover PANEL SIDE.



2) Remove the Lithium Battery (1) by pulling out the holder in the direction of the arrow.



3) Pickup the Lithium Battery (1) to the direction of the arrow.



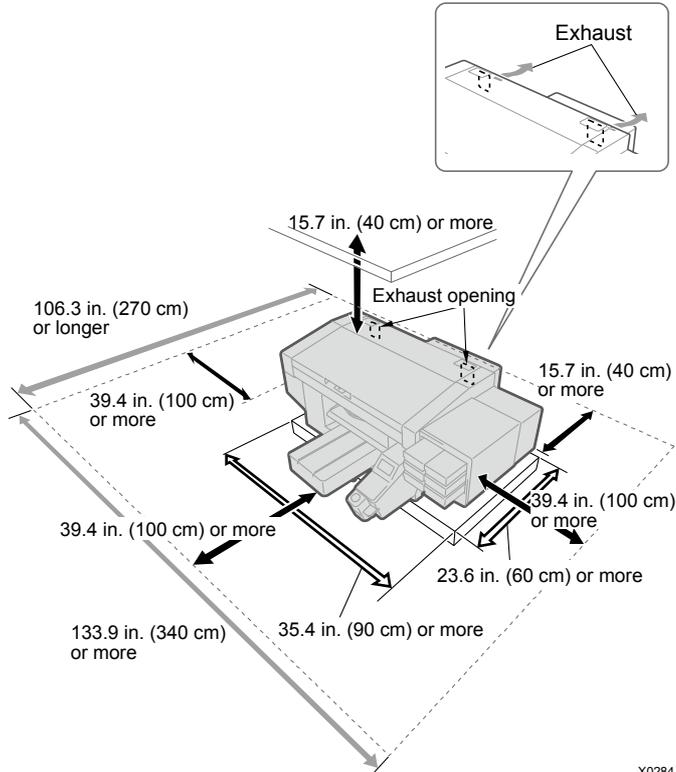
Note based on California law (USA) on the use and handling of Perchlorate

This product contains a CR Coin Lithium Battery which contains Perchlorate Material – special handling may apply.

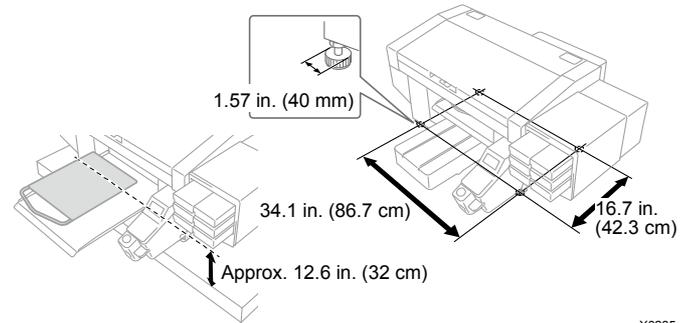
See

<http://www.dtsc.ca.gov/hazardouswaste/perchlorate>.

1 Checking the installation site



X0284



X0285

- The following environmental requirements should be met:

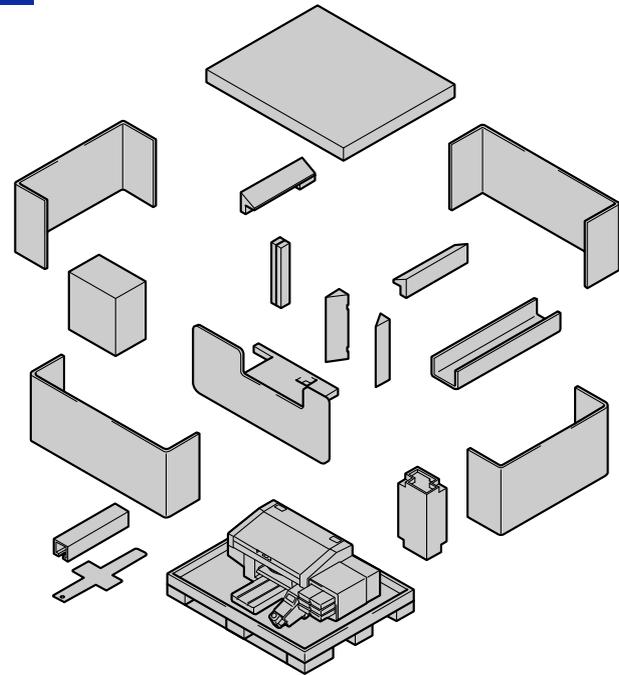
Environment	Temperature	Humidity
Keeping your printer	0°C (32°F) to 40°C (104°F)	20 % to 85 % (no condensation)
Operating your printer ^{*1}	10°C (50°F) to 35°C (95°F)	
Printing-guaranteed range ^{*2}	18°C (64.4°F) to 30°C (86°F)	35% to 85 % (no condensation)
Electrical Requirements	Power	Power Consumptions
—	Single-phase 100-240 V, 50/60 Hz	0.8 A (Actual value)

^{*1}: Environmental range where the printer can be operated.

^{*2}: Environmental range where sufficient printing quality can be secured.

2 Unpacking

- When installing the printer, avoid any place that presents direct sunlight or a large amount of dust.
- The body size is 55.1 in. (width) x 51.2 in. (depth) x 21.7 in. (height) (140 cm (width) x 130 cm (depth) x 55 cm (height)) and the mass weighs 120 kg (265 lb).
- Dimensions of the legs are 34.1 in. (86.7 cm) in width and 16.7 in. (42.3 cm) in depth. The diameter of the legs is 1.57 in. (40mm).
- The height from the table to the top surface of the platen is approx. 12.6 in. (32 cm).
- Do not use an extension cable.
- Ensure ample work space of over 39.4 in. (100 cm) in front of and to each side of the printer is available. Also, as a space to install the rear cover, keep 15.7 in. (40 cm) or wider space in the back of the printer. Keep 15.7 in. (40 cm) or wider space in the ceiling direction as well. As the air is exhausted toward the rear side, keep 7.9 in. (20 cm) or more space from the exhaust opening.
- The table that supports the printer should be at least 35.4 in. (90 cm) in width and 23.6 in. (60 cm) in depth, and should be able to bear a weight of 150 kg (330 lb) or more. The tabletop should be horizontal and should not rattle when the printer is running.
- When installing the printer, place a level gauge on the top surface of the cover and the top surface of the platen to make adjustments so that the main unit is set horizontally.
- In preparation for a major earthquake or other natural disasters, fix the table and the main unit with a tool like a fixing band to prevent the main unit from falling from the table.

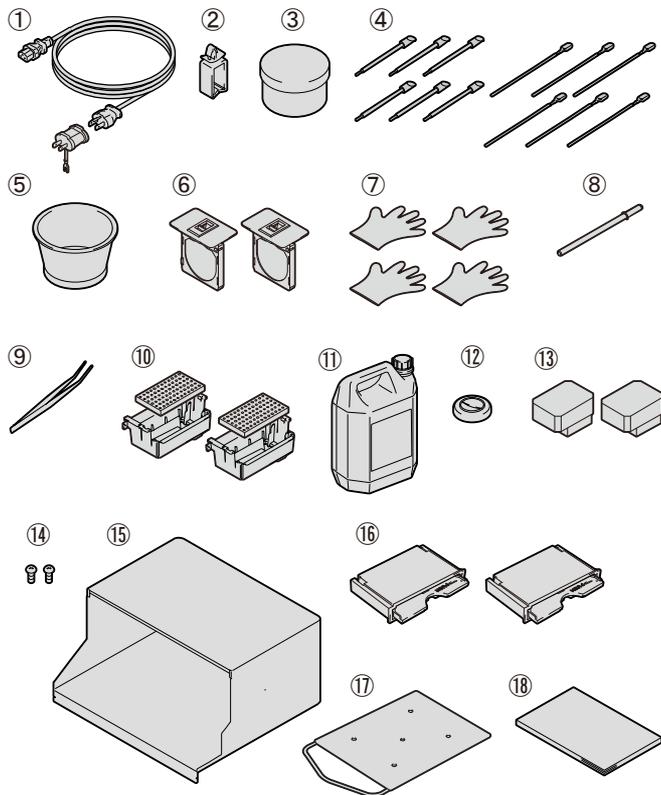


X0186



Do not turn on the power until "P.5 Removing the protection materials" is completed. Otherwise the printer may fail.

Check the supplied accessories.



- ① AC power cord
- ② Cable clamp
- ③ Grease
- ④ Clean stick R x 6 / Clean stick T x 6
- ⑤ Cleaning cup
- ⑥ Filter cover / Fan filter x 2
- ⑦ Gloves (for changing the wiper cleaner / for cleaning the maintenance unit) x 4
- ⑧ Carriage fixing pin
- ⑨ Tweezers
- ⑩ Flushing receiver x 2 / Flushing foam x 2
- ⑪ Waste ink tank
- ⑫ Waste ink tube fixing rubber
* The rubber is already attached to the waste ink tube of the machine.
- ⑬ Print head x 2
- ⑭ Rear cover installation screw x 2
* Screws are already fixed with the machine.
- ⑮ Rear cover
- ⑯ Wiper cleaner
- ⑰ Adult platen
- ⑱ Setup Manual (this manual)

3 Transporting the printer

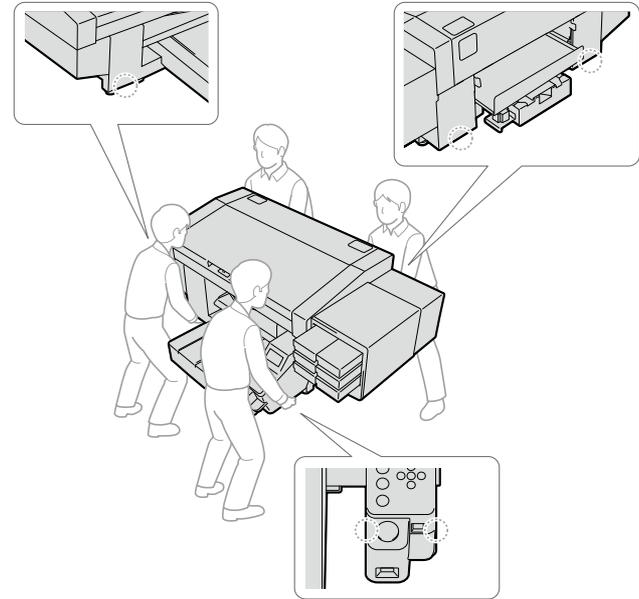
Prepare the following items along with the supplied accessories:

- Ink pouch
Black / Magenta / Cyan / Yellow x 1 (for each)
White x 2
- Cleaning solution
- Pretreatment
- Wiper cleaner x 2



TIPS

If you are not using white ink and using only color inks, then prepare a maintenance solution pouch instead of a white ink pouch.



X0003



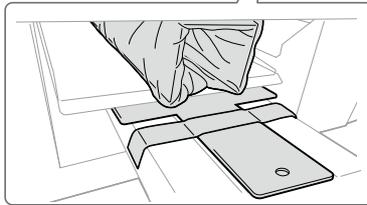
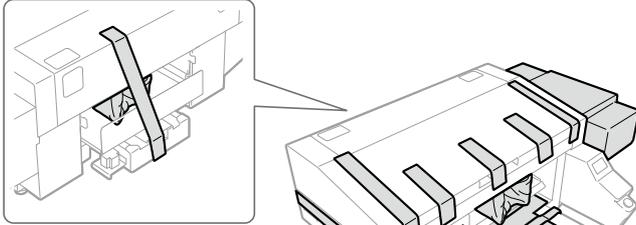
CAUTION

The printer machine weighs 120 kg (265 lb). When transporting or installing the printer, make sure that it is held by four or more persons as illustrated above. Otherwise the machine may fall down, causing injury or resulting in failure of the printer.

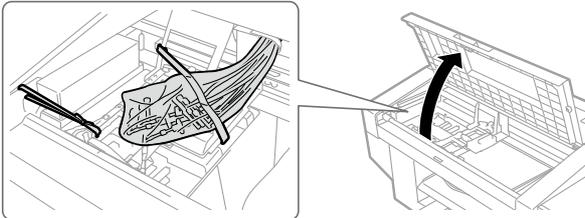
Setup of the printer

1 Removing the protection materials

Remove all the tapes, strings and sheets shown in the below illustration.



X0004

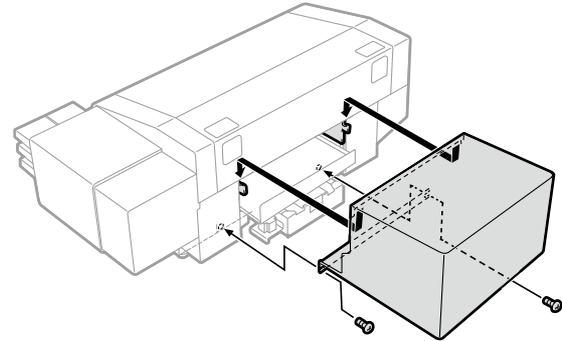


X0005

2 Mounting the supplied accessories

Mount the supplied accessories according to the following procedures.
Please note that the platen should be mounted after turning on the power.

Rear cover



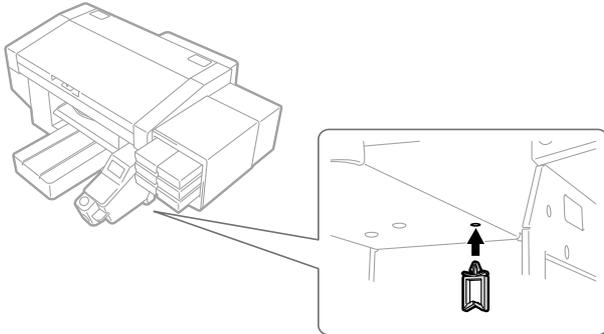
X0014



Be careful not to touch the claws of mounting portion on the upper side of the rear cover. Otherwise you may be injured.

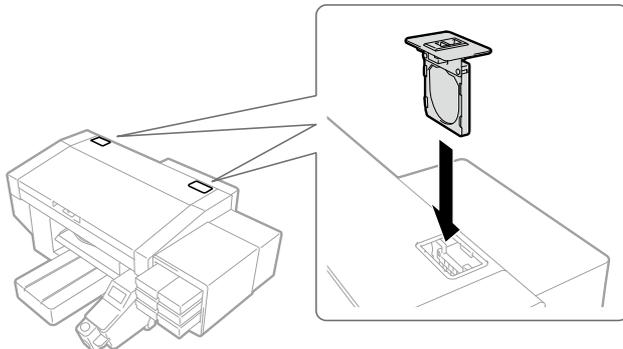
Cable clamp

This is used to put the cables together.



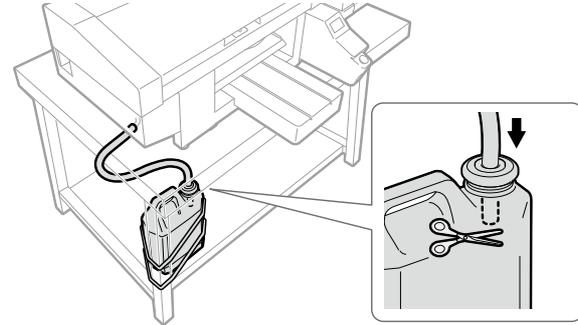
X0023

Filter cover and Fan filter



X0024

Waste ink tank



X0292

Fix the waste ink tank to the table leg or the like by using two pieces of string, etc. Insert the waste ink tube and the waste ink tube fixing rubber.



The waste ink tube contained in the waste ink tank should be cut down to around 1.6 to 2 in. (4 to 5 cm) remaining just inside the tank. If the tip of the waste ink tube is immersed in the liquid, it will prevent the smooth flow of the waste ink, to disable the ink suction operation of the head cleaning function.

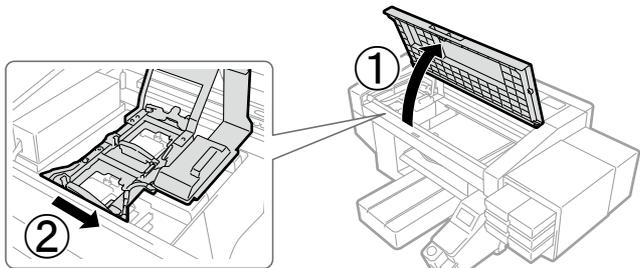
Avoid placing the waste ink tube horizontally as much as possible, and be sure not to let it bend. Otherwise the waste ink may have difficulty flowing through the tube.



Install the waste ink tank in the front, because it must be emptied when the waste ink is full.

Setup of the printer

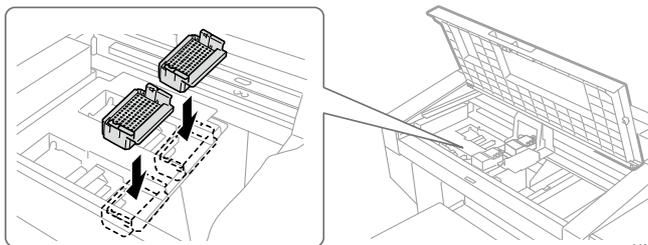
Mount the following supplied accessories inside the printer.



X0006

Open the cover to the direction ① and shift the carriage to direction ②. Put on the gloves that came with the printer and perform the following work.

Flushing receiver



X0287

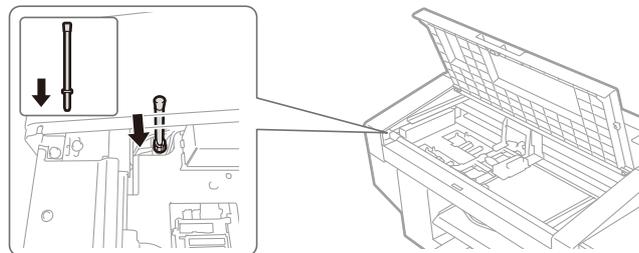
Direct its orientation with the hole on the bottom to the front and push it in until it clicks (there is no difference in white and color sides; they can be mounted on either side).



IMPORTANT

Make sure that no flushing foam extends off the outboard end portions of the flushing receiver. If it does, it may interfere with the nozzle surface of the head and may result in a problem concerning firing of the print heads.

Carriage fixing pin



X0187

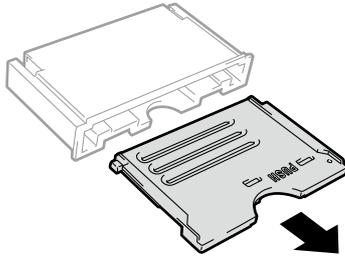


TIPS

The carriage fixing pin will be needed when the power is turned OFF due to power outage while the printer is running and the recovery is not expected for a while. Secure the pin in the place illustrated above so as not to lose it.

The front cover will not close completely if the carriage is fixed with the carriage fixing pin.

Wiper cleaner

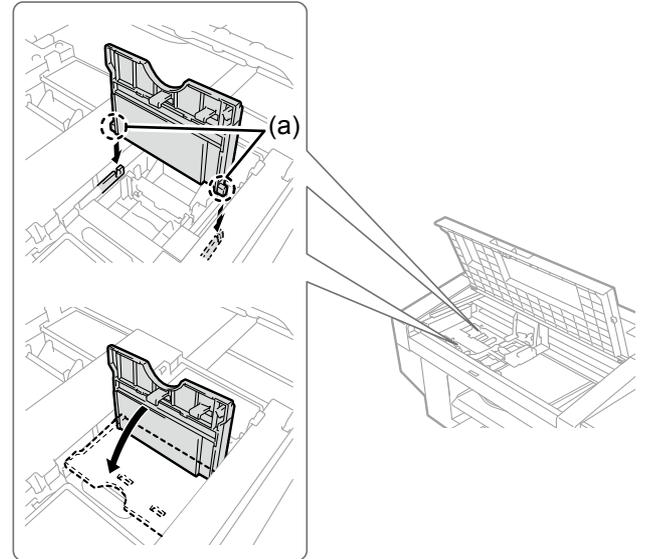


X0120



Waste should be disposed of in accordance with regulations and laws.

Use the cleaner by expiration date written on the label. Mount it on the machine immediately after it is unpacked.

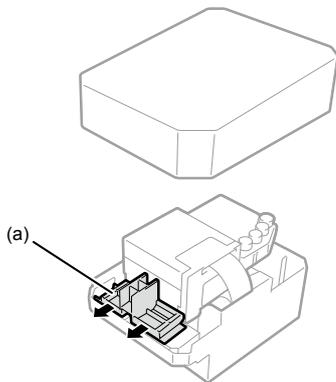


X0008

Insert the shaft (a), and push the area with the "PUSH" indication until it clicks (there is no difference in white and color sides; they can be mounted on either side).

Print head

1.



X0009

There is no difference in white and color sides; they can be mounted on either side.

Changing the heads of white side and color side should be avoided once the inks are filled after mounting the heads.

When you unpack the head, be careful not to touch the bottom of the head. Otherwise it may cause poor printing.

When you mount the head, shift the carriage toward the center of the printer; to the position above the platen. If you perform the mounting of the head when the carriage is directly above the maintenance unit, it may damage the maintenance unit or the heads.



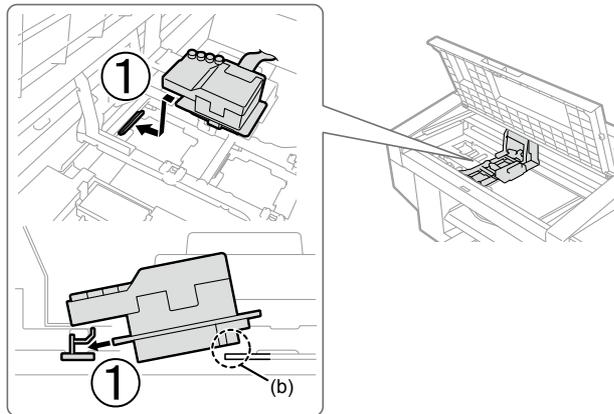
IMPORTANT



TIPS

The gray area (a) illustrated above may be hard and difficult to remove. If it is, use both hands to remove it.

2.



X0010

Insert the head firmly to direction ①.



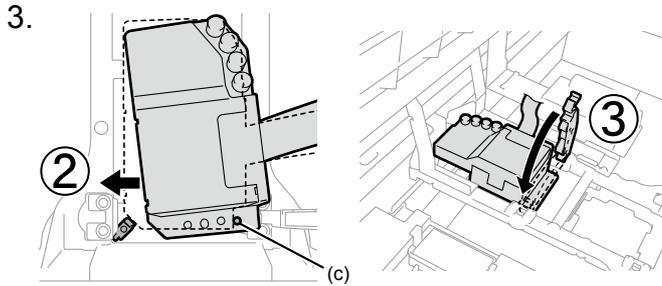
CAUTION

When mounting the head, be careful not to move the carriage as much as can be avoided. Your hand may be caught in the carriage and injured. In addition, the tubes may be rolled together possibly damaging them.



TIPS

If the print head is not inserted sufficiently, the part as illustrated in (b) could come into contact with its bottom surface, which in turn may result in poor printing. Make sure to insert it to the end.



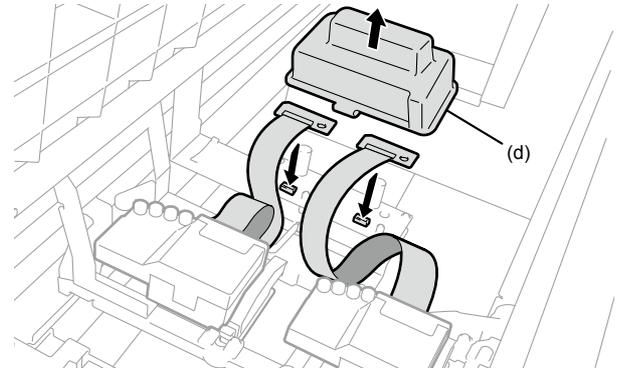
Push with force in the direction as indicated in ② so that the (c) area makes contact with the side of the metal plate of the head (mount it in a similar way for the white or color side).



CAUTION

When you mount ③, hold it down from the top. Otherwise your finger may be pinched and injured.

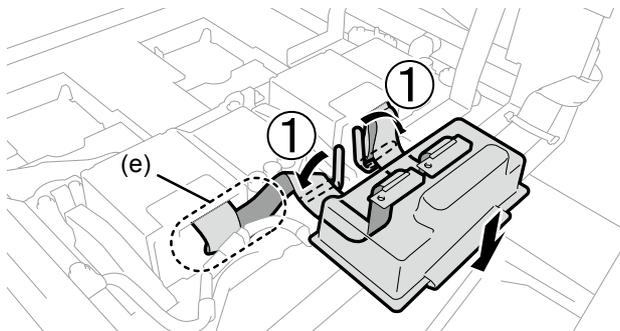
4.



X0011

Remove the resin cover (d) by releasing two claws, and as illustrated above, connect the flat cable in such a way as not to become entangled.

5.



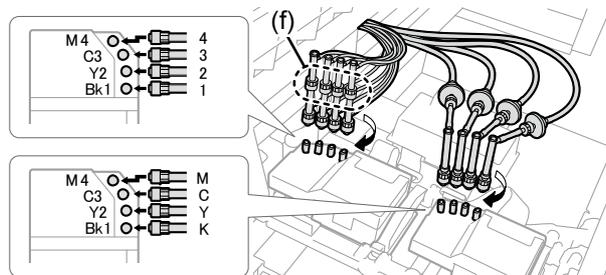
X0123

Tuck the extra cable into the space as shown in area (e) for the color side.

To eliminate the slack of the flat cable on the resin cover side, hold the cable down by using a clip as shown in ①.

Hook the two claws of the resin cover to mount the cover.

6.



X0012

Remove four caps of the head.

Check that the head and the marker of each tube are matched and connect the tubes one by one from back to front of the machine by rotating the nut until it stops.

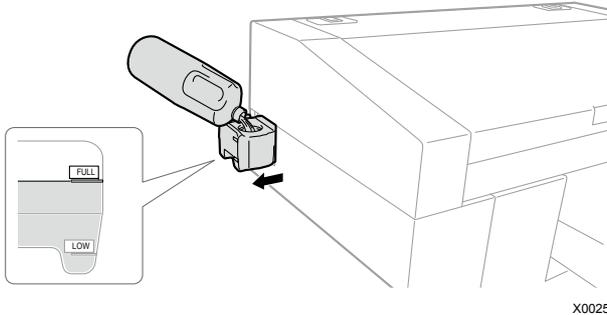


IMPORTANT

Do not rotate the nut as illustrated in (f). It could disconnect the tube and leak the contained ink.

Be sure to remove the caps attached to the head before connecting.

3 Filling the cleaning solution



Pull out the cleaning liquid tank from the side of the printer; enough to open the lid of the tank and fill the tank with the cleaning solution until reaching the "FULL" line. When filling is completed, close the lid and slowly push the cleaning liquid tank back inside the printer for storage.



IMPORTANT

When you pour the cleaning solution, be sure not to exceed the "FULL" line.



TIPS

After filling the cleaning solution, make sure to push the cleaning liquid tank in to the end. The cleaning liquid tank that is not properly inserted causes an error and disables printing.

4 Ink cartridge setup and installation

Install the ink pouches into cartridges by referring to the illustrations on the label located on the ink bay cover of the machine.



TIPS

If you are not using white ink and using only color inks for printing, install a maintenance solution pouch instead of a white ink pouch, referring to the procedures from step 2.

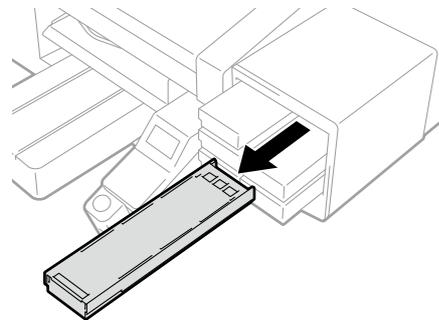
1.

Since there is a component within the white ink which becomes deposited, please be sure to shake the ink pouch before it is taken out of the box.

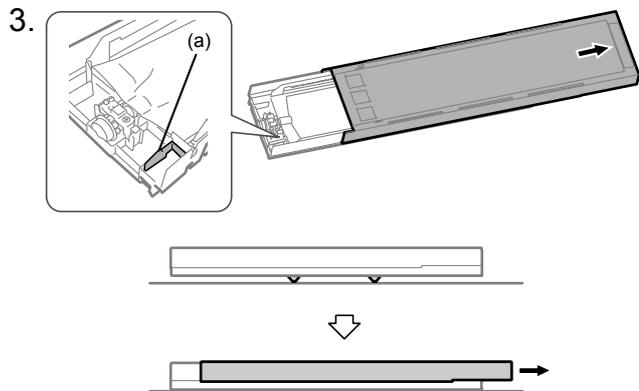
Hold each edge of the carton containing the pouch tightly and shake it 100 times from side to side.

Next, turn it upside down and shake it 100 times.

2.



X0016



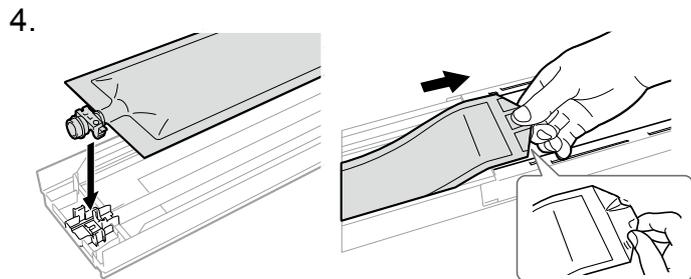
Open the lid of the ink cartridge.



IMPORTANT

When opening the lid, be sure not to touch portion (a). Otherwise, it could be damaged.

Place the entire cartridge on a flat surface, push the latches on the bottom surface of the cartridge downward and open the lid.



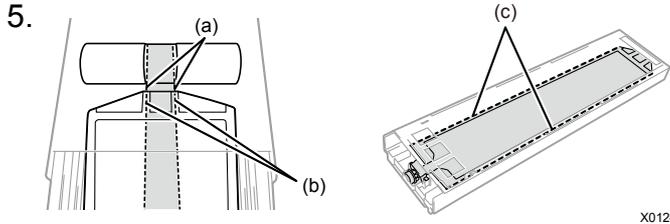
Push the tip of the ink pouch in until it clicks. Straighten the ink pouch so that it can fit the grooves of the ink cartridge lid and mount it while pulling it by hand.



TIPS

If the edge of the ink pouch is bent or undulating significantly, make it straight with your hand.

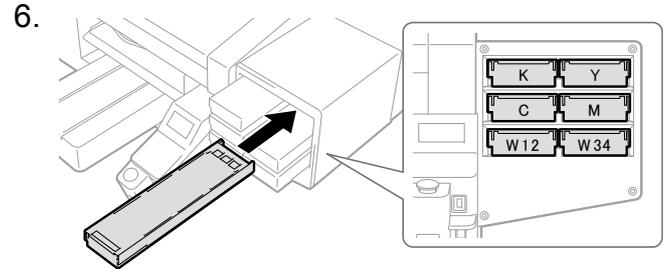
If you are using only color inks, set a maintenance solution pouch to the position W12 and W34.



Check that the two illustrated areas (b) and (c) are straight.

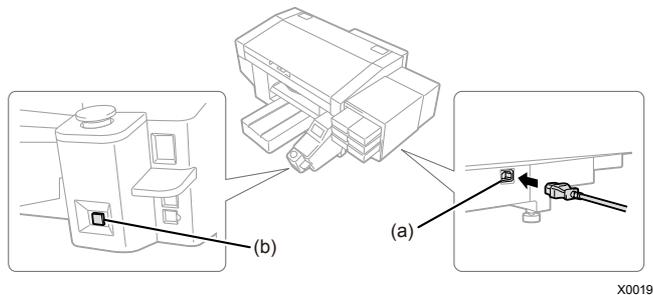


Be careful not to touch area (a) illustrated above. Otherwise you may be injured.



Stick the expiration date seal supplied with the ink pouch on the front side of the ink cartridge, install the cartridge in the correct color position in the machine and make sure that it is inserted into the machine until complete contact.

5 Turning on the power



X0019

Close the cover of the machine and insert the AC power cord into (a) and the outlet.

Press the power button (b) to turn the printer power ON.

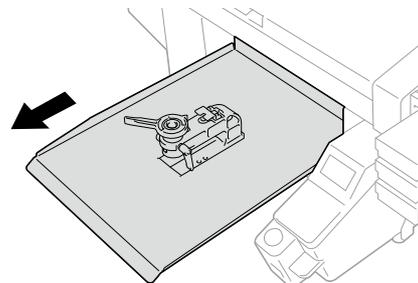


TIPS

An error message "Perform Initial Ink Installation" may be displayed on the screen of the printer but it will be no problem, so please continue to perform the ink installation according to the procedures described in this manual.

6 Mounting the platen

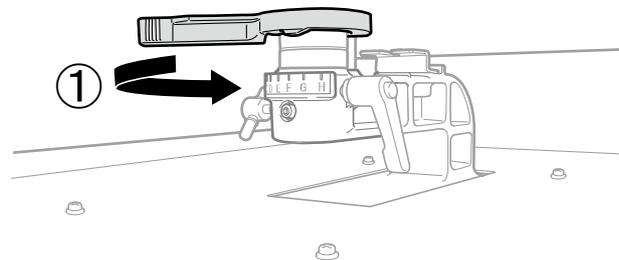
1.



X0029

Press  on the operation panel to move the platen to the front.

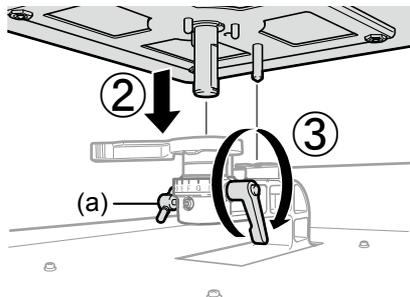
2.



X0288

Rotate the platen height adjustment lever in direction ①, and align the scale to position "A".

3.



Insert the platen in direction ② and tighten the platen fixing lever in direction ③.

X0289



Use with the knob (a) tightened when printing.

7 Configuring the language

Perform this operation while the printer is in Standby mode.

- 1)  -> [Language] -> Select your language -> 
- 2) Press the power button to turn off the power.

8 Installing the ink

Turn on the power of the printer and perform the operation while the printer is in Standby mode.



If you are using only color inks, perform the following procedures.

 -> [Maintenance] -> [White Ink Pause Mode] -> [Enable]
Then follow the message and perform ink installation.

- 1)  -> [Maintenance] -> [Initial Ink Installation] -> [All Print Heads]
- 2) Follow the precautions on the screen and press  (It takes about 50 minutes).
- 3) When the printer returns to Standby mode, the operation will be completed.

Connection to a PC



Although the description of this section is based on operation with Windows, you can also use Macintosh. For details, please refer to "For Macintosh Instruction Manual".

1 Installing the driver

- 1) Download the ZIP file from our website and unzip the file.
- 2) Double-click on "setup.exe" -> Activate the installer
- 3) Follow the instructions on the screen.
- 4) After the installation, restart the PC.

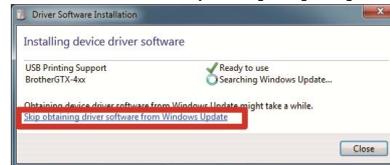
2-A When connecting via USB

- 1) Connect the printer and PC via a USB2.0 cable.



When putting the USB cable and LAN cable together, use "P.6 Cable clamp".

- 2) Once the next screen appears, the driver is automatically installed through the steps of [Skip obtaining driver software from Windows Update] -> [Yes]



This screen may prompt more than once. And this also may require several minutes to complete.

We recommend you to set "Brother GTX-4" or "Brother GTX-4 FileOutput" as the default printer for your convenience.

2-B When connecting via LAN

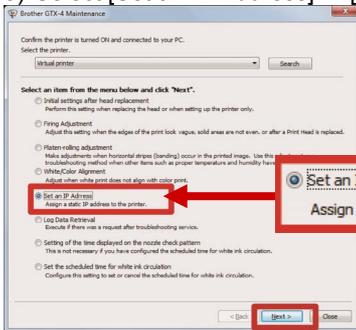
Assignment of printer static IP address



The printer may not be recognized depending on your security environment. Consult the system administrator of the setting site.

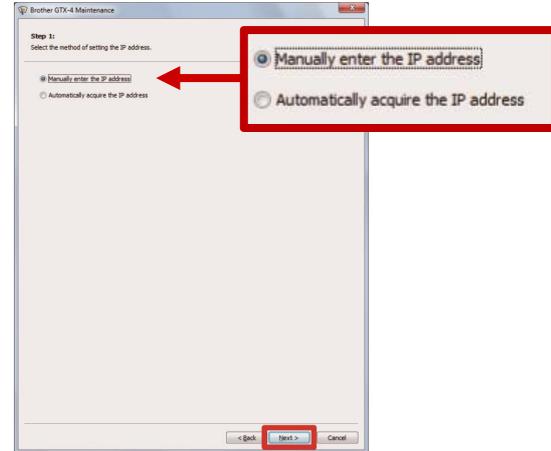
The static IP address can also be set on the printer. For details, refer to the Instruction Manual.

- 1) Perform the procedures of "P.17 When connecting via USB".
- 2) Start menu -> "Brother GTX-4 Tools" -> Activate "GTX-4 Maintenance"
- 3) Select [Set an IP Address] -> [Next]



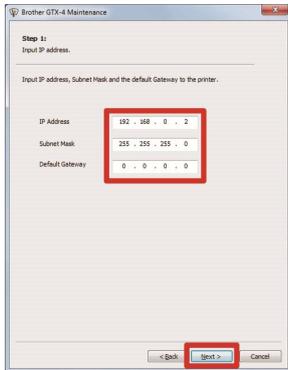
Set an IP Address
Assign a static IP address to the printer.

- 4) Select the setting method -> [Next]



If you selected "Manually enter the IP address"

- 5) Enter the values of [IP Address][Subnet Mask][Default Gateway] -> [Next]. The steps are completed when the message [IP address was successfully assigned to the Printer.] is displayed.



The screenshot shows the 'Brother GTX-4 Maintenance' dialog box at Step 1. The title bar reads 'Brother GTX-4 Maintenance'. The main text says 'Step 1: Input IP address.' and 'Input IP address, Subnet Mask and the default Gateway to the printer.' There are three input fields: 'IP Address' with the value '192 . 168 . 0 . 2', 'Subnet Mask' with '255 . 255 . 255 . 0', and 'Default Gateway' with '0 . 0 . 0 . 0'. A red box highlights these three input fields. At the bottom, there are three buttons: '<< Back', 'Next >>', and 'Cancel'. The 'Next >>' button is highlighted with a red box.

If you selected "Automatically acquire the IP address"

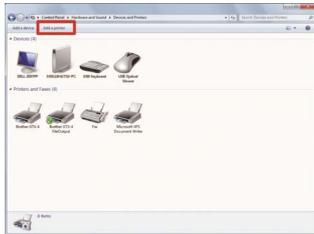
- 5) Enter the hostname -> [Next]. The steps are completed when the message [IP address was successfully assigned to the Printer.] is displayed.



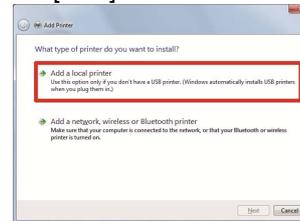
The screenshot shows the 'Brother GTX-4 Maintenance' dialog box at Step 2. The title bar reads 'Brother GTX-4 Maintenance'. The main text says 'Step 2: Enter the host name.' and 'Enter the host name to be associated with the printer.' There is a 'Host name:' label followed by a text input field containing '192.168.0.2'. Below this, it says 'Press "Next" to automatically acquire the IP address.' At the bottom, there are three buttons: '<< Back', 'Next >>', and 'Cancel'. The 'Next >>' button is highlighted with a red box.

Installing the network print driver

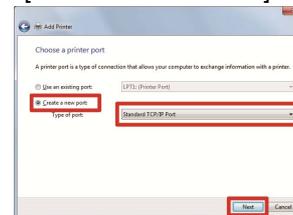
- 1) Connect the printer and PC to a network using LAN cables and turn the printer power ON.
- 2) Windows 7: [Control Panel] -> [Devices and Printers]
Windows 8.1: [Control Panel] -> [View devices and printers]
Windows 10: [Settings] -> [Device] -> [Devices and Printers]
- 3) Click on [Add a printer]



- 4) Windows 7: Click on [Add a local printer]
Windows 8.1: [The printer that I want isn't listed] -> Select [Add a local printer or network printer with manual settings] -> [Next]
Windows 10: [The printer that I want isn't listed] -> Select [Add a local printer or network printer with manual settings] -> [Next]

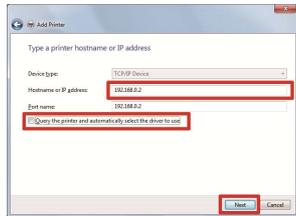


- 5) Select [Create a new port] -> From [Type of port], select [Standard TCP/IP Port] -> [Next]



Connection to a PC

- 6) Enter the static IP address of the printer into [Hostname or IP address] -> Uncheck the check box of [Query the printer and automatically select the driver to use] -> [Next]



If you set the printer's IP address by automatic acquisition, you must check the IP address of the printer in advance. You can confirm the IP address by selecting [Confirm network setting] -> [IP Address] from the menu. For details, refer to "8-20. Confirm network setting" in the Instruction Manual.

If you are using a DNS server, you can use a host name and domain name instead of the IP address. In that case, enter the host name that has been acquired automatically and set for the printer IP address (see P.19). As for the domain name, check with your network administrator.

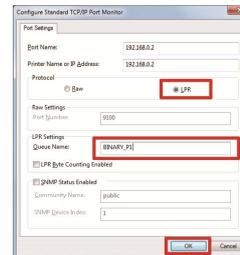


TIPS

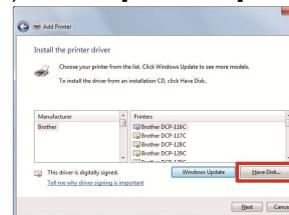
- 7) From [Device Type], select [Custom] -> [Settings]



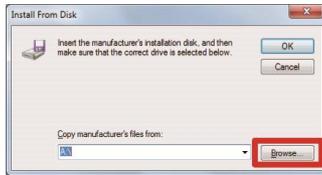
- 8) From [Protocol], select [LPR] -> Enter "BINARY_P1" in the [Queue Name] of [LPR Settings] -> [OK] -> [Next]



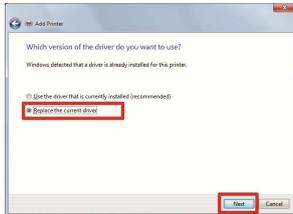
- 9) Click on [Have Disk]



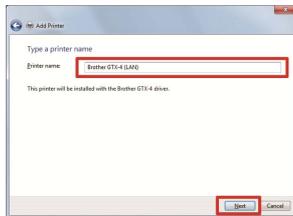
- 10) [Browse] -> Select "32bit_OS" or "64bit_OS" folder in the installer depending on the bits of Windows you use -> [OK] -> [Next]



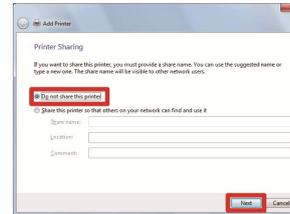
- 11) Select [Replace the current driver] -> [Next]



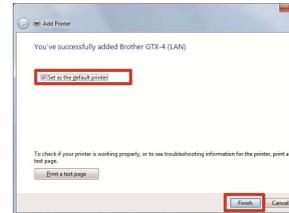
- 12) Enter the [Printer name] -> [Next]



- 13) When the next screen appears, select [Do not share this printer] -> [Next]



- 14) When necessary, select [Set as the default printer] -> [Finish]



Adjustment

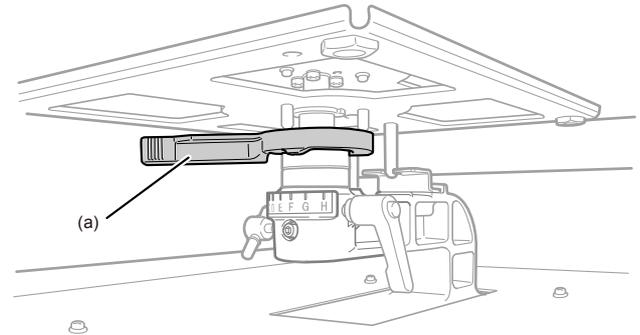
1 Adjusting the carriage speed

Perform the operation while the printer is in Standby mode.

- 1)  -> [Printer Setting] -> [CR Speed Adjustment] -> [Start (after cleaning/setup)] ->  (It takes about 3 minutes.)
- 2) When the printer stops with a sound and the printer returns to Standby mode, the operation is completed.

2 Checking the nozzle check pattern

- 1) Make sure that the platen height adjustment lever (a) is set at the "A" position.

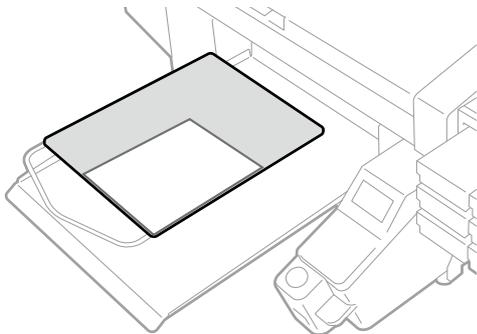


X0290



Use a platen sized 14 in. x 16 in. (356 mm x 406 mm), which is included at the time of your purchase.

- 2) Place a sheet of A4 or letter-size white paper as illustrated below (Pretreated T-shirt is also acceptable).
If the paper tends to be floated, tape the corners.



X0020

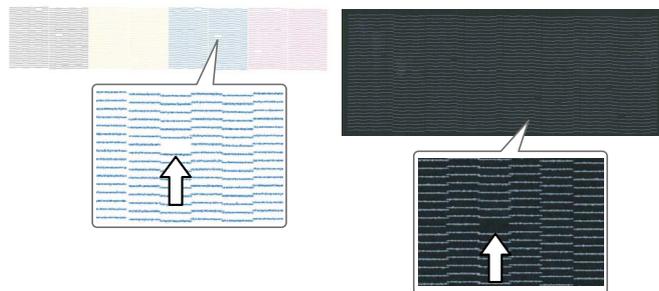
- 3) Perform the following operation on the screen of the printer:

MENU OK -> [Test Print] -> [Nozzle Check CMYK] -> **MENU OK**

- 4) When printing is finished and the printer returns to Standby mode, set a piece of black paper or transparent sheet (such as OHP sheet) of A4 or letter size in the same manner as step 2 (A pretreated black or dark color T-shirt is also acceptable.).

5) **MENU OK** -> [Test Print] -> [Nozzle Check White] -> **MENU OK**

- 6) Check the printed results for both nozzle check prints and determine if there is a problem.
If missing nozzles are found as indicated by the arrows below, there is a problem concerning the firing of the print heads.



X0291



Even if the lines of the white-side printed result are light, since white ink is fired from more than one nozzle on the same place, the quality is not affected.

- 7) If any problem is found, perform a normal cleaning.
While the printer is in Standby mode, press , select the head with the problem, and press **MENU OK**.
- 8) Check the nozzle check pattern again.
If the problem still persists, please contact your dealer.

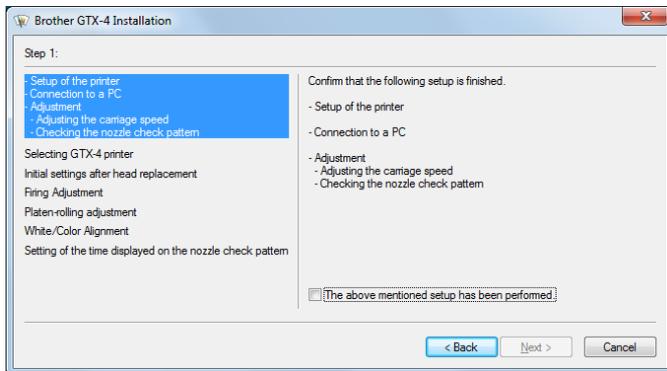
3 Making adjustments after the print head is mounted

- 1) Connect the printer and PC via a USB 2.0 cable or LAN cable. On the PC side, "Brother GTX-4 Tools" -> Activate "GTX-4 Installation".
- 2) Prepare a few sheets of A4 or letter-size paper (black paper or transparent sheet such as OHP sheet and white paper), tape for fixing the paper, and a pretreated black or dark color T-shirt.



For details for pretreatment, refer to the Instruction Manual.

- 3) Following the instructions on the Installation screen, run the following menu options.



	Menu name	Things to prepare
1	[Initial settings after head replacement] ^{*1}	—
2	[Firing Adjustment]	Black paper or transparent sheet (such as OHP sheet) White paper
3	[Platen-Rolling Adjustment]	White paper
4	[White/Color Alignment]	Black paper or pretreated black or dark color T-shirt
5	[Setting of the time displayed on the nozzle check pattern]	—

^{*1}: In [Initial settings after head replacement], set the values written on the print head or the container.

What to do in the White Ink Pause Mode

For the White ink pause mode, perform the following steps using "GTX-4 Maintenance".

	Menu name	When in White Ink Pause Mode
1	[Initial settings after head replacement]	Performed for color head only Upon completion of color head setting, click [Cancel] to close the maintenance tool once and then start it. Then proceed to the following steps.
2	[Firing Adjustment]	Performed for color head only Upon completion of color head setting, click [Cancel] to close the maintenance tool once and then start it. Then proceed to the following steps.
3	[Platen-rolling adjustment]	Performed
4	[White/Color Alignment]	Not required
5	[Setting of the time displayed on the nozzle check pattern]	Performed



For information on the White ink pause mode, see "7-3. What to do in the White Ink Pause Mode" in the Instruction Manual.

- 4) When the completion screen appears, click [OK] to finish the operation.



If you want to check the value you have set, do not perform the above procedures as a means to verify them. The setting will be reset and returned to the initial value. To check the value in a proper way, refer to the Instruction Manual.



Maintenance list

To maintain the printing quality and use the printer for a longer time, the following maintenance is needed.
For details, refer to the Instruction Manual.

Maintenance timing	Description	Error / Warning display
Before printing	Confirmation and disposal of waste ink	—
	Confirmation and replenishment of cleaning solution	○
	Daily agitation of the white ink	○
	Print out of the nozzle check pattern (checking on the print heads)	—
When an error / warning is displayed	Replacement of ink pouch with a new one	○
	Cleaning of the nozzle guard, wiper, exhaust cap and suction cap	○
	Replacing the wiper cleaner	○
	Replacing the flushing foam	○
	Replacing the fan filter	○
When the printer becomes dirty	Head cleaning	—
	White ink circulation	—
	Cleaning the CR (carriage) plate	—
	Cleaning the internal area of printer	—
	Replacing the platen sheet	—



*Please note that the contents of this manual may differ slightly from the actual product purchased as a result of product improvements.

BROTHER INDUSTRIES, LTD. <http://www.brother.com/>

1-5, Kitajizoyama, Noda-cho, Kariya 448-0803, Japan.

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This is the original instructions.

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