brother

Please be sure to read this manual before using this product.
Keep this manual in a safe place for future use.
This printer should only be used by operators who are appropriately trained in its safe operation.

GTX600SB   Professional Use

GARMENT PRINTER
Setup Manual

⬒ Table of contents

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

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

This printer should only be used by operators who are appropriately trained in its safe operation.

The printer is not suitable for use in places where children are present.

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.

Do not connect power cords on the floor near the printer.
Water dripping from the printer may cause fire, electric shocks, or problems.

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.

3

⚠ WARNING

Printing

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.

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

The printer machine weighs 690 kg (1521 lb). Transporting and setting up of the printer should be held in the proper way. Otherwise, the printer may topple over and cause injury.

Unplug the printer and contact the dealer where you purchased the printer or a trained technician if the printer topples over. If you continue to use it, it may result in fire or electric shocks or poor printing quality.

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 topple over, 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. You may get injured if it becomes unbalanced and tips over.

Printing

This printer should only be used by operators who are appropriately trained in its safe operation.

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.

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⚠ CAUTION

Printing

⚠ 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.

⚠ Be careful not to put your hands in the clearance of the cover of the lifting up/down mechanism. Doing so may cause injury.

Maintenance

⚠ Be careful not to pinch your fingers when closing each cover. You may get injured if you pinch 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 drink liquids such as the ink, cleaning solution, pretreatment, or waste.
They may cause diarrhea or vomiting.
When handling liquids, such as the ink, cleaning solution, pretreatment, and waste, use protective glasses and gloves to avoid causing your eyes and skin to contact the liquids.
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.

⚠ 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.

⚠ Follow the corresponding instructions in the manual when you put your hands inside the cover during regular maintenance while the power is turned on.

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 ±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.

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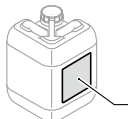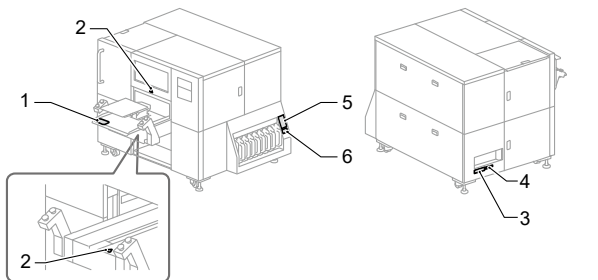
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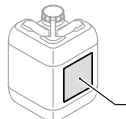
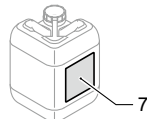**<About the CE declarations>**

Downloadable from: https://www.brother.com

3. Warning labels
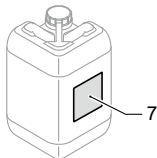

Waste ink tank

Waste water tank

Ink bottle 9 L

Ink bottle 18 L
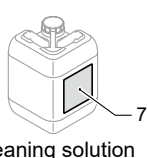
Cleaning solution
Bottle 9 L
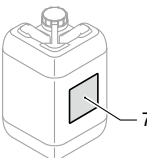
Cleaning solution
Bottle 18 L

Pretreatment
5 kg (11 lb)

Pretreatment
20 kg (44 lb)

Pretreatment
200 kg (440 lb)

X1177

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

2

3

4

5

6

7

⚠ CAUTION

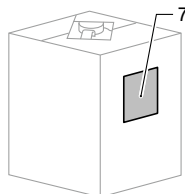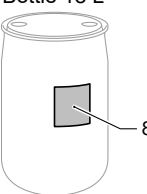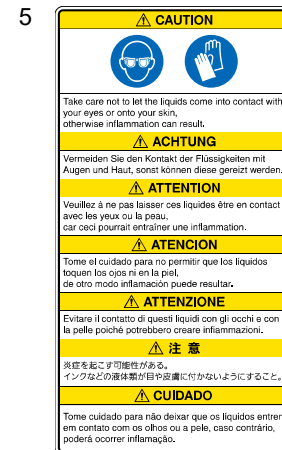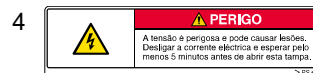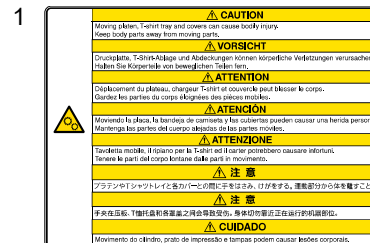Do not drink the liquids under any circumstances, as they can cause vomiting and diarrhea. Take care not to let the liquids come into contact with your eyes or onto your skin, otherwise inflammation can result. Keep the liquids out of the reach of children.

⚠ ATTENTION

Ne pas avaler les liquides d'aucune manière, car ceci pourrait entraîner vomissements et diarrhée. Veuillez à ne pas laisser ces liquides être en contact avec les yeux ou la peau, car ceci pourrait entraîner une inflammation. Maintenez les liquides hors de portée des enfants.

⚠ 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 creare infiammazioni. Conservare i liquidi lontano dalla portata dei bambini.

⚠ CUIDADO

Não beba os líquidos sob nenhuma circunstância, pois eles podem causar vômitos e diarréia. Tome cuidado para não deixar que os líquidos entrem em contato com os olhos ou a pele, caso contrário, poderá ocorrer inflamação. Mantenha os líquidos fora do alcance das crianças.

⚠ VORSICHT

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

⚠ ATENCIÓN

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

⚠ 注 意

下痢・おうけする可能性がある。インクなどの液体類を飲まないこと。炎症を起こす可能性がある。インクなどの液体類が目や皮膚に付かないようにすること。子供の手の届かないところに置くこと。

⚠ 注 意

有可能导致腹泻、呕吐。请勿饮用油墨等液体类。有可能引发炎症。注意油墨等液体类不要飞溅到眼中或皮肤上。请放置在儿童无法触及的地方。

■ Deposite in compliance with your local regulations.
■ Gebrauchte gemäß örtlicher Richtlinien entsorgen.
■ Jetez conformément à la réglementation locale en vigueur.
■ Deseche siguiendo la normativa local.
■ Smaltire in conformità alle normative locali.
■ Deposite em conformidade com os regulamentos locais.
■ 地域の使令に従って処理してください。
■ 按照当地法律处理。

8

Use Before

⚠ CAUTION

Take care not to let the liquids come into contact with your eyes or onto your skin, otherwise inflammation can result. Keep the liquids out of the reach of children.

Do not drink the liquids under any circumstances, as they can cause vomiting and diarrhea.

Opening the seal cap with bare hands may cause injury.
Use pliers to open the seal cap.

Heavy drum could cause injury or backache.
Do not lift or move the drum without mechanical assistance.

NOTE

Deposite in compliance with your local regulations. Do not overtighten.

<When you dispose of the machine>

Required Tools

Phillips screwdriver: M3 to M5

Disassembling

1) Remove the Cover of BACK SIDE bottom center.

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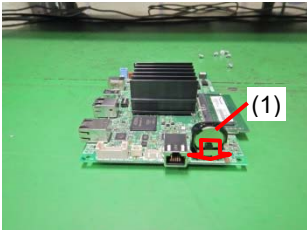
3) Pickup the Lithium Battery (1) to the direction of the arrow.

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.

⬒ Installation

1 Checking the installation site

23.6 in. (60 cm) or more

31.5 in. (80 cm) or more

31.5 in. (80 cm) or more

15.7 in. (40 cm) or more

31.5 in. (80 cm) or more

129.5 in. (329 cm) or more

116.5 in. (296 cm) or more

● The following environmental requirements should be met:

Environment	Temperature	Humidity
Humidity (%)	0°C (32°F) to 40°C (104°F)	20 % to 85 % (no condensation)
Working Environment[*1]	10°C (50°F) to 35°C (95°F)	
Recommended Print Environment[*2]	18°C (64.4°F) to 30°C (86°F)	35% to 85 % (no condensation)

Electrical Requirements	Power	Power Consumptions
—	Single-phase 200-240 V, 50/60 Hz	5 A max.

[*1]: Environmental range where the printer can be operated.
[*2]: Environmental range where sufficient printing quality can be secured.

IMPORTANT	The ink bottle for use in the initial installation should be sent in advance to the location where the printer is to be installed and stored indoors. *If you use ink at extremely low temperature when the outside temperature is low or in the cold season, the ink becomes hard to flow during ink installation.

2 Unpacking

- When installing the printer, avoid any place that presents direct sunlight or a large amount of dust.
- The size is 73.6 in. (width) x 75.6 in. (depth) x 57.5 in. (height) (187 cm (width) x 192 cm (depth) x 146 cm (height)). The main unit weighs 690 kg (1521 lb).
- Do not use an extension cable.
- Keep a minimum workspace of 31.5 in. (80 cm) in front and on the left and right sides of the printer. Also, keep 15.7 in. (40 cm) or wider clearance at the back of the printer. Keep 23.6 in. (60 cm) or wider space free above the unit. If this space is not secured, you will have to move peripherals or the printer when making a repair.
- When installing the printer, place a level gage on the top surface of the platen to make adjustments so that the main unit is set horizontally.
- When connecting the power cord to the printer, do not use overloaded sockets.
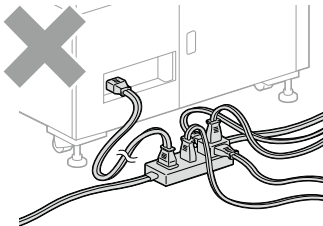
X1153
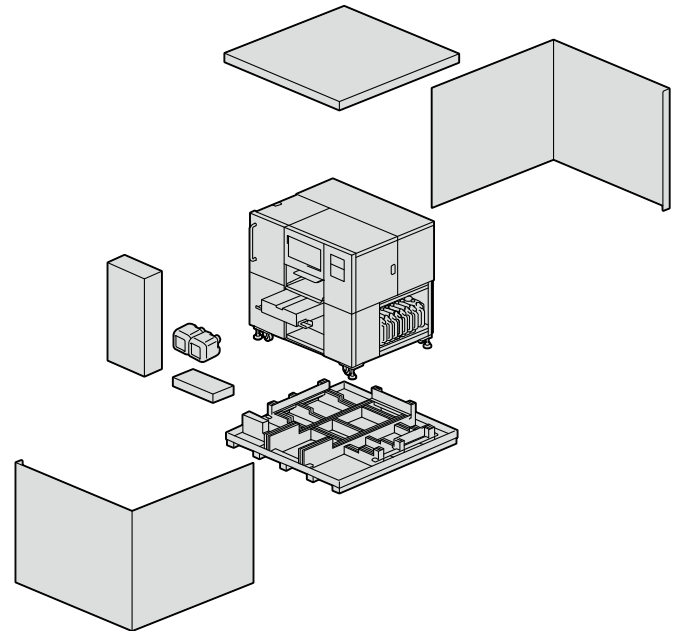
X1118

| IMPORTANT | Do not turn on the power until "P.27 Connect the humidifier water supply tube." is completed. Otherwise the printer may fail. |

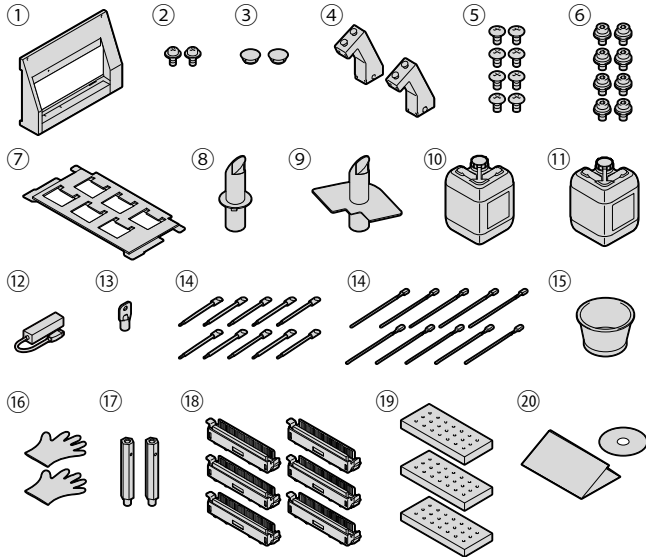Check the supplied accessories.

X1157

① Main tank cover
② Main tank cover installation screw (M4) ×2
③ Hole cap (black) ×2
④ Print switch unit ×2
⑤ Print switch cover installation screw ×8
⑥ Print switch unit installation screw ×8
⑦ Carriage foam
⑧ Humidifier pipe R
⑨ Humidifier pipe L
⑩ Waste ink tank
⑪ Waste water tank
⑫ USB hub
⑬ Key to printer cover ×6
⑭ Clean stick R ×10 / Clean stick T ×10
⑮ Cleaning cup
⑯ Glove ×4
⑰ Cam fixing pin ×2
⑱ Wiper blade ×6
⑲ Flushing foam ×3
⑳ Setup Manual
* The print heads and mist fan filter are attached to the printer before shipping.
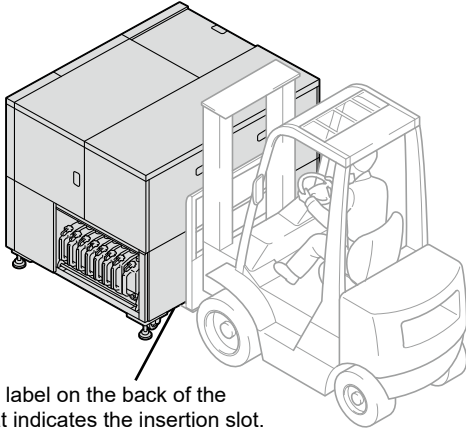
TIPS	The administrator should keep the key.

Prepare the following items along with the supplied accessories:
- 9 L Ink bottle
- AC power cord
- Cleaning solution
- Pretreatment

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3 Transporting the printer

There is a label on the back of the printer that indicates the insertion slot.
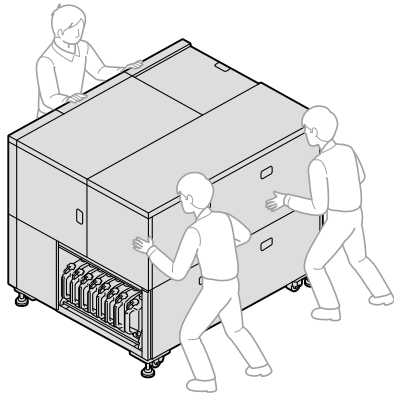
X1120

X1121
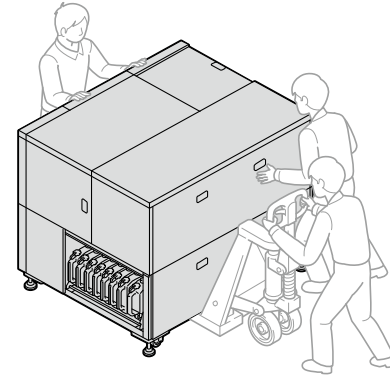
X1122

> ## ⚠ CAUTION
>
> The printer has a dimension of 73.6 in. (width) × 75.6 in. (depth) × 57.5 in. (height) (187 cm (width) × 192 cm (depth) × 146 cm (height)). The main unit weighs 690 kg (1521 lb). Transporting and setting up of the printer should be held by at least three persons in the proper way. Otherwise, the printer may topple over and cause injury.
> Be careful not to get your feet caught in the frame, casters, or adjusters under the printer during transportation. Also, check the forward direction and be careful not to get caught between obstacles and this printer. Otherwise, the operator may get injured.

🔧 Setup of the printer

1 Removing the protection materials

Remove all the tapes and sheets.

Main body

Cushioning material
between tanks

Maintenance

1.

Keyhole
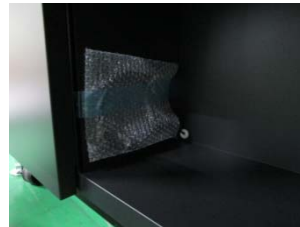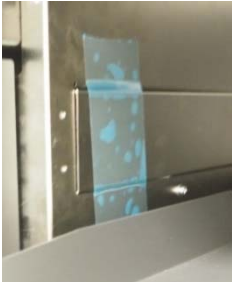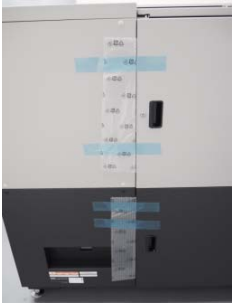
Unlock and open the upper left side cover.

2.
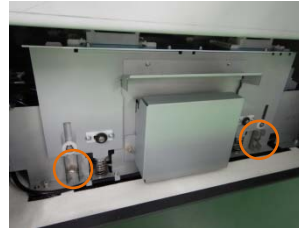
Remove the cap fixing plate with a flat-blade screwdriver.

3.

Keep the cap fixing plate mounted onto the maintenance unit.

4.

Keep the supplied cam fixing pins mounted onto the maintenance unit and close the cover.

TIPS	In the event of a power failure, the cam fixing pins are required for capping.

2 Mounting the supplied accessories

Mount the supplied accessories according to the following procedures.

Main tank cover

1.

Remove the band and then remove the tube.

2.

Remove the two screws on the side.

> 👉 **TIPS** The removed screws are required when transporting the printer again.

3.

Loosen the four screws so that the metal fitting will become loose.

4.

Pull out the main tank unit until it comes in contact with the stopper.

5.

Main tank cover installation screw (M4)

Temporarily tighten the supplied two main tank cover installation screws (M4).

6.
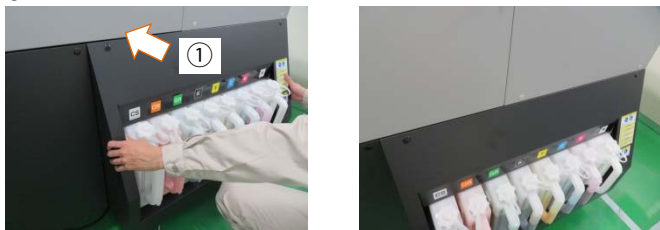
Align the bands provided for the tank caps so that the bands face the front. Then lift and slide the main tank cover in the direction of ① until the main tank cover passes over the tank caps.

> **IMPORTANT** Be careful not to pinch the tubes.

7.
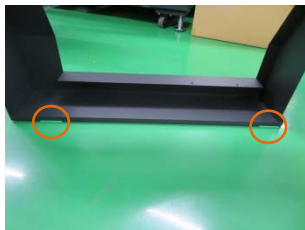
Insert the notch on the main tank cover into the metal fitting loosened in step 3.

8.

Insert the main tank cover firmly to direction ② and securely tighten the two main tank cover installation screws (M4) that have been temporarily tightened and the four loosened screws.

9.

Fit the hole caps (black) into the two screw holes on the main tank cover.

Print switch

> **IMPORTANT**
> Install the print switches on the proper side. The side with the hole faces the platen side to allow the wire harness to passed through it.

1.

Check the left and right sides.

2.

Pass the harness of the printer through the hole.

3.

Print switch unit installation screw

Secure the print switch unit with the four print switch unit installation screws from the bottom of the main unit.
(Torque: 2.0 N・m)

> **IMPORTANT**
> Do not pinch the harness with the frame and the print switch unit.

4.

Connect the two connectors and insert the harness inside.

5.

Print switch cover

Print switch cover installation screw
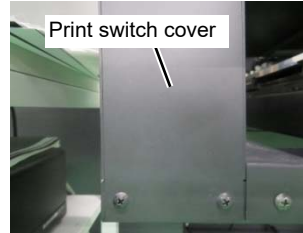
Mount and tighten the cover with the four print switch cover installation screws.
Similarly, connect the other print switch unit.

IMPORTANT	Position the print switch cover in front of the frame and tighten the screws.

Waste ink tank and waste water tank

1.

Open the lower left side cover.

2.

WATER	INK
Waste water tank	Waste ink tank

X1154
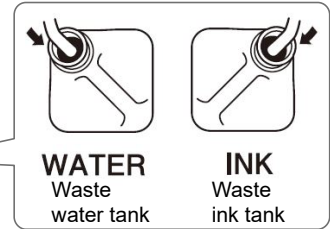
Check the direction of the tank hole and install the tank as shown on the label.
Insert each tube into the tank and close the cover after installation.

IMPORTANT	Be sure to push the tanks into the back of the cabinet.
	Install the tanks so that each tank hole is directly below the tube. A tank oriented in the wrong direction may not be detected.
	Be careful not to bend the tubes excessively. Otherwise, the waste ink will have difficulty flowing through the tube and may lead to a malfunction.
	Store the waste ink tank and waste water tank caps for future use (do not discard).

Humidifier pipe

1.

Keyhole

Unlock and open the right-hand-side cover.

2.
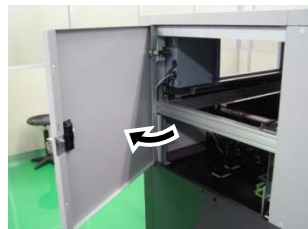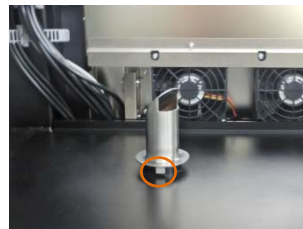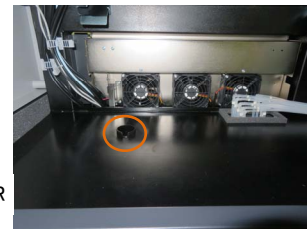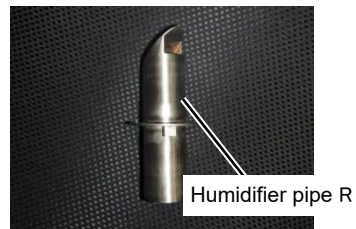
Humidifier pipe R

Attach the humidifier pipe R.

> **TIPS** Attach the humidifier pipe R so that its tab fits into the groove on the pipe on the printer.

3.

Keyhole

Unlock and open the upper left side cover.

4.

Humidifier pipe L

Insert the humidifier pipe L from the side of the maintenance unit.

5.

Attach the humidifier pipe L.

6.
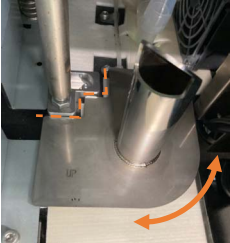
Move the humidifier pipe L from side to side to ensure it does not move significantly.

IMPORTANT	An incorrect installation angle of humidifier pipe L can lead to internal rust in the product. Always make sure it is correctly installed.

3 Carriage belt tension adjustment

IMPORTANT	Adjust the carriage belt tension at a room temperature of 18°C to 30°C.

1. Turn off the power.

2.

Keyhole

Unlock and open the right-hand-side cover.

3.

Loosen the two bolts on the carriage belt holder.
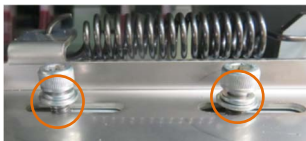
IMPORTANT	Loosen the two bolts until there is a gap between each bolt's face and the part.

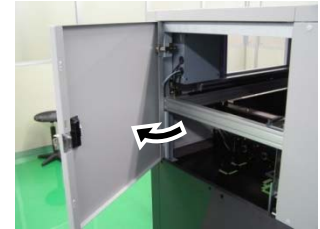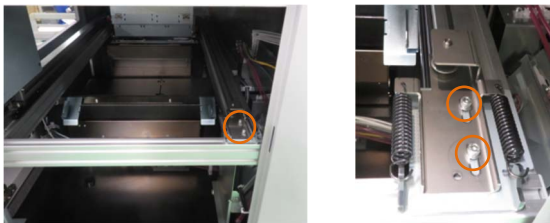## 4. Tighten the two carriage belt holder bolts to 3.5 N・m.

About the water used

Use pure water.

IMPORTANT	If non-pure water, such as tap water, is used, white powdery impurities will adhere to the inside of the unit, causing damage to the printer and heads.
	Electrical conductivity of Pure water have to be less than 10 μS/cm. For the measurement method, contact the dealer where you purchased the printer.

Water supply

Optional items

● Water tank supply ASSY
● Water tube T6040 15M
● L-shaped fitting 06-06

Commercially available item

● Regulator
● Pure water equipment

If supplying from a water pipe

Water pipe → Pure water equipment → Printer

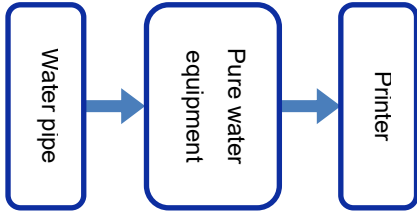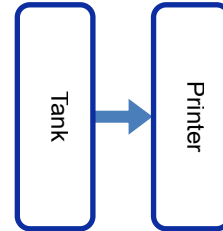| NOTE	If supplying from a water pipe, perform piping according to the applicable laws and regulations.
	If necessary, use a regulator so that the supply pressure will be 40 kPa or less.

If supplying from a tank

Tank → Printer

IMPORTANT	Fill the tank with pure water.
	Use a clean container to supply water to the tank.
	Install the tank about 31.5 in. (80 cm) above the installation location of the printer. If the height is insufficient, water may not be supplied to the printer.
	The tube should be laid on the floor, and the length should be 49.2 feet (15 m) or less. Lay the tube so that there is a height difference of about 5.9 in. (15 cm).
	Limit the number of L-shaped fittings (06-06) to three per flow path.

IMPORTANT	Be sure to mount a cable cover with sufficient strength to the tube. Water will not be supplied and may leak to the floor if the tube is broken or cut off.
	Lay the tube so that the bending radius is 2.0 in. (5 cm) or more. If the bending radius is small, the tube may break.
	If the tube is broken during laying, do not use the broken part.
	Do not use the optional humidifier water supply tube to connect to tap water piping.
	Use a new tube. No water may be supplied if you use a tube with residual water inside.
	Loosen the tank's cap during use.
	Verify that the cock is in the closed position before inserting or removing the tube. Failure to do so could allow the water to flow out of the tank.
	Check inside the water tank once a month. Clean inside the tank if you notice any bad odor or discoloration.

Connect the humidifier water supply tube.

1.

Loosen the two screws on the lower left-hand-side cover on the right-hand side of the printer.

2.

Remove the two screws and remove the cover.

3.

*Remove this tube in the case of using a tube with a connection diameter of 4 mm.

Insert the humidifier water supply tube into the outlet marked WATER.

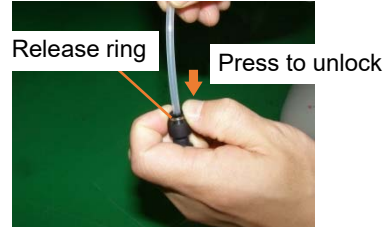| NOTE	Make sure to insert it to the end.
TIPS	Connectible tubes are those with an outer diameter of 4 mm or 1/4 inch.

Install the removed cover, tighten the screws, and mount the cap.

IMPORTANT	Be careful not to pinch the tubes.

Disconnecting the humidifier water supply tube

Release ring
Press to unlock

Press the release ring to unlock and pull out the tube.

Supplying from a tank

1.

Humidifier filter

Install the humidifier filter.

2.

Lever

Open

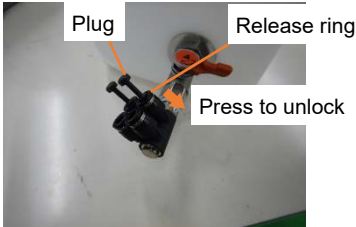
Close

Insert the tube and open the faucet.

| NOTE	Make sure to insert the tube to the end.
	Verify that the cock is in the closed position before connecting the tube to the tank.
	Fill the tank with water until it is about 80% full.

Disconnecting the tube or plug

Plug

Release ring

Press to unlock

Press the release ring to unlock and pull out the plug.

TIPS	When using two or more printers, unplug and insert the tube.
	Be careful when unplugging, as the plug can be stiff.

5 Turning on the power

Power switch

Power cord insertion port
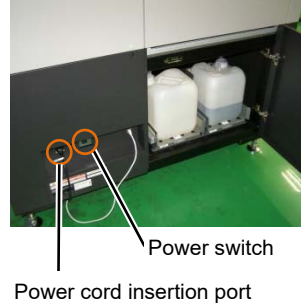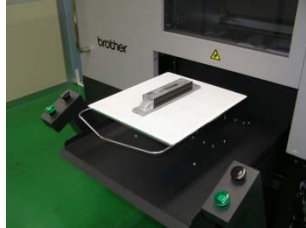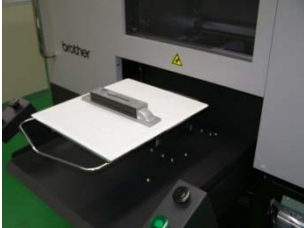
Insert the power cord into the power cord insertion port and plug the cord into an electrical outlet. Turn on the printer power switch with each door and cover closed.

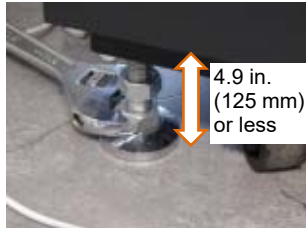| IMPORTANT	Make sure that the printer's earth terminal is properly grounded.

6 Adjusting the levelness

1. Press to move the platen to the front.

2.

Apply a level to the center of the platen.

3.

4.9 in. (125 mm) or less

Adjust the level by rotating the lower nuts that secure the legs (4 points).

| IMPORTANT | Adjust so that the adjusters protrude 4.9 in. (125 mm) or less from the bottom of the frame. |

4.

Tighten the upper nut upwards after adjusting the level.

| IMPORTANT | Check the level again after adjusting the legs. |

7 Refilling the ink and cleaning solution

Turn ON the power of the printer and perform the operation while the printer is in Standby mode.
If there is new firmware, update the printer.

> ## ⚠ CAUTION
>
> Be sure to wear a pair of plastic gloves and protective glasses while refilling the ink.

IMPORTANT	Agitate the white ink before refilling. For details, refer to the Instruction Manual.
👉 TIPS	When agitating the white ink, remove the IC stick from the refill ink bottle to prevent the IC stick from falling off.

1) [MENU OK] -> [Ink refill] -> Select the ink color and cleaning

   solution you want to refill -> [MENU OK]

2) Insert the IC stick of the same color as the ink to refill ->
   [MENU OK]

| 👉 TIPS	An error appears if you insert an IC stick of a different color.
	Handle the IC stick with care.

3) Refill the ink and cleaning solution.

IMPORTANT	Be sure not to refill the ink or cleaning solution above the upper graduation mark in 6. Before initial ink installation, fill the white ink or cleaning solution to around the upper graduation mark in 6. For color or OR/GR ink, fill to around the upper graduation mark in 4. If the ink quantity is too low, the initial ink installation may not start.

Ink tank on the color side
OR/GR ink tank

Ink tank on the white side
Cleaning solution tank

X1130

32
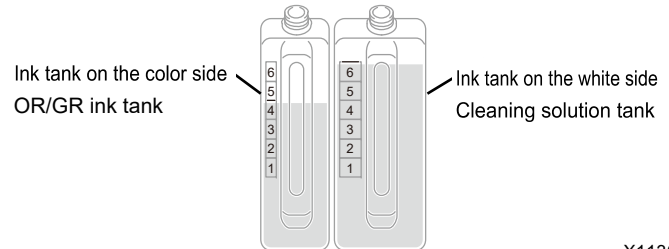
4) Follow the instructions on the screen.

IMPORTANT	Be sure to close the tank lids once you have refilled the ink and cleaning solution.
	To store the ink valve after use, wipe off the ink with a waste cloth and seal it in a plastic bag. Do not use a non-standard funnel. Use the provided valve. Otherwise, ink may be contaminated or deteriorated, possibly damaging the printer.

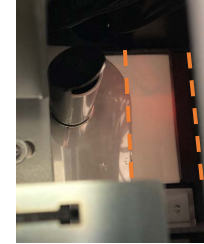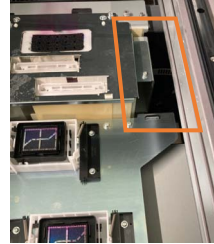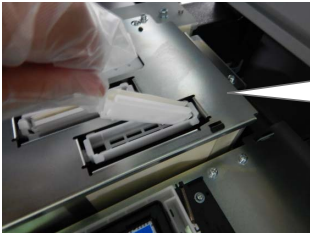|	
IMPORTANT	Take care not to lose the IC sticks that come standard with the refill ink bottle and cleaning solution bottle.
TIPS	Store the respective IC sticks by attaching them to the handles of the corresponding refill ink bottle and cleaning solution bottle.
	Waste should be disposed of in accordance with regulations and laws.

8 Mounting the wiper

1. [MENU OK] -> [Maintenance] -> [Maintenance Part Clean/Replace] -> [Replace maintenance unit parts] -> [MENU OK]

2.

Keyhole

Keyhole
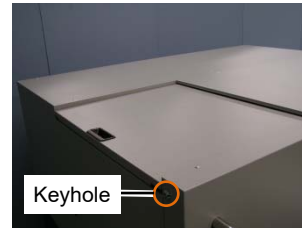
Unlock the upper left-hand-side cover and top cover and open them.

3.

Left-hand-side cover

Right-hand-side cover

X1155

Hold the latch of the wiper on the left-hand side and insert the wiper into the maintenance unit from the right-hand side.

IMPORTANT	Be sure to connect the wiper in the right direction.
	Push the wiper in and make sure that the left and right protrusions are firmly fitted.
TIPS	There may be some ink marks from the finished product inspection.

| NOTE	When uncapping, look from the front side of the wiper unit to check if the humidifier pipe L is correctly installed.

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9 Mounting the flushing foam

Mount the flushing foam onto the maintenance unit.

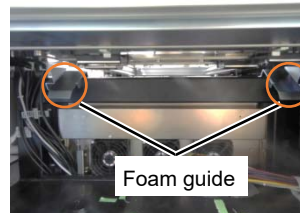|	
IMPORTANT	After this assembly process is completed, make sure that no flushing foam extends off the outboard end portions of the maintenance unit. If it sticks out of the end portions, it may interfere with any nozzles and may result in non-ejection of ink-jet droplets.

10 Mounting the carriage foam

1.

Keyhole

Unlock and open the right-hand-side cover.
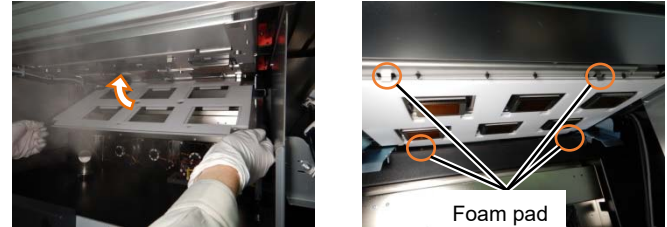
2.
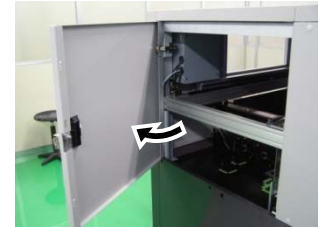
Foam guide

Mount the carriage foam onto the sliding surface of the foam guide.

3.
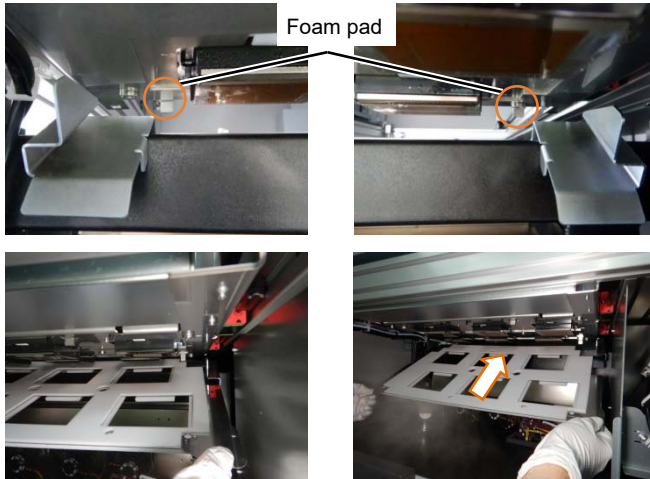
Foam pad

Move the carriage foam along the sliding surface of the guide in the direction of the arrow until the carriage foam comes in contact with the foam pad (two places).

4.

Foam pad

Rotate the carriage foam and attach it to the magnet.
Make sure the carriage foam is not on the foam pad.

IMPORTANT	Be careful not to let the carriage foam come into contact with the nozzle surface of the head.

5.

Foam lower surface

Nozzle surface

Make sure that the nozzle surface is below the lower surface of the foam, close the cover, and follow the screen to return the printer to the standby state.

11 Configuring the language

Perform the operation while the printer is in Standby mode.

1) [MENU OK] -> [Language] -> Select your language -> [MENU OK]

2) Press the power button to turn off the power.

12 Installing the ink

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

1) [MENU OK] -> [Maintenance] -> [Initial Ink Installation] -> [All Print Heads]

2) Follow the precautions on the screen and press [MENU OK]

(it takes about 120 minutes and further takes about 30 minutes if below 18°C (64.4°F)).

3) When the printer returns to Standby mode, the operation will be completed.

🖥 Connection to a PC

> **TIPS** 👉 Although the description of this section is based on operation with Windows, you can also use Macintosh.
> For details, refer to the 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 USB3.0 cable.

> **TIPS** 👉 Use the USB 3.0 cable that comes with the printer.
> Do not use any extension cable.

2) Follow the instructions on the screen.

> **TIPS** 👉 This screen may prompt more than once.
> And this also may require several minutes to complete.
>
> We recommend that you set "Brother GTX-6 Extra Colors ORGR" or "Brother GTX-6 Extra Colors ORGR FileOutput" as the default printer for your convenience.

2-B When connecting via LAN

Assignment of printer static IP address

TIPS	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 "When connecting via USB" on P. 38.

2) Start menu -> "Brother GTX-6 Extra Colors ORGR Tools" -> Activate "GTX-6 Extra Colors ORGR Maintenance".
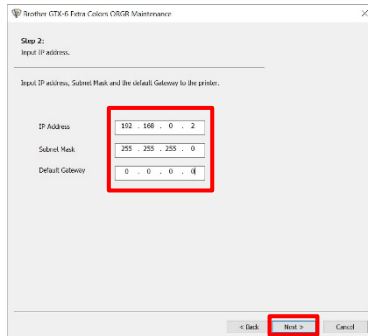
3) Select [Set an IP Address] -> [Next].
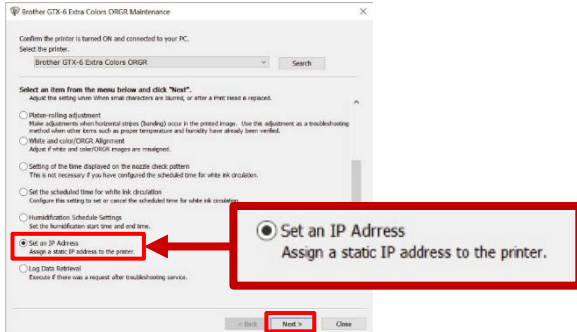
4) Select the setting method -> [Next].
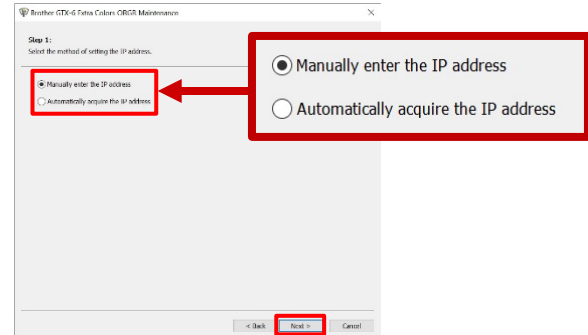
If you selected "Manually enter the IP address"

5) Enter the values of [IP Address][Subnet Mask][Default Gateway] -> [Next].
The message [IP Address has been set.] appears, and the process is complete.
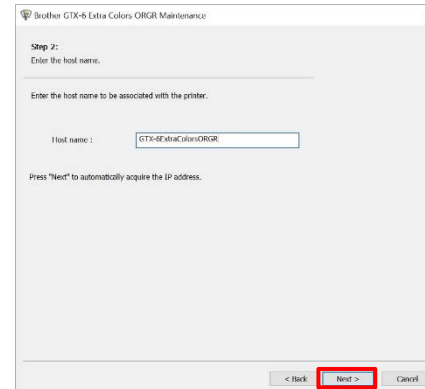
If you selected "Automatically acquire the IP address"

5) Enter the hostname -> Click [Next].
The message [IP Address has been set.] appears, and the process is complete.

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Installing the network print driver

1) Connect the printer and PC to a network using LAN cables and turn the printer power ON.
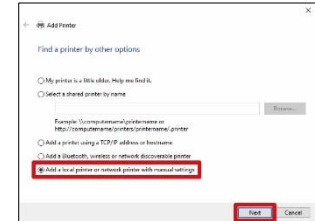
2) Windows 10: [Settings] -> [Devices] -> [Printers＆scanners] -> click [+]
Windows 11: [Settings] -> [Bluetooth & devices] -> [Printers ＆scanners] -> click [Add device]

3) Windows 10: [The printer that I want isn't listed] -> select [Add a local printer or network printer with manual settings] -> click [Next]
Windows 11: Select [Add manually] -> click [Next]
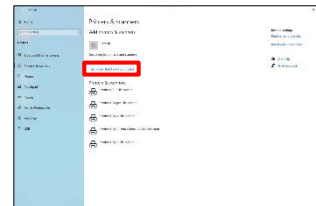
4) Select [Create a new port] -> From [Type of port], select [Standard TCP/IP Port] -> [Next].
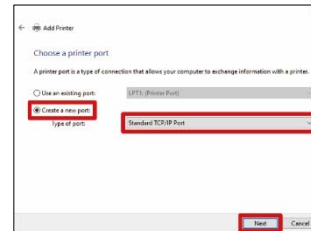
5) Enter the static IP address of the printer into [Type a printer hostname or IP address] -> Make sure that the check box of [Query the printer and automatically select the driver to use] is checked -> [Next].

| TIPS | When the printer screen displays "00X", enter "X" in the IP address field. |

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

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

TIPS	You can omit steps 6) through 8) if the printer driver to use is automatically selected. Follow the steps if it cannot be selected automatically.
	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 "7-24. 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. Enter the host name by referring to "7-24. Confirm network setting" in the Instruction Manual. As for the domain name, check with your network administrator.

8) From [Manufacturer], select [Brother] -> From [Printer], select [Brother GTX-6 Extra Colors ORGR] -> [Next].
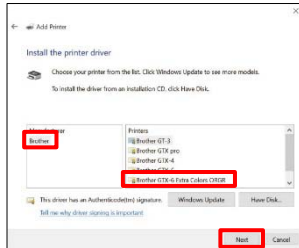
9) Select [Replace the current driver] -> [Next].

10) Enter the [Printer name] -> [Next].

11) Select [Do not share this printer] -> [Next] -> [Finish].

⚙ Adjustment

1 Checking the nozzle check pattern

1) Check that the print head is installed correctly.
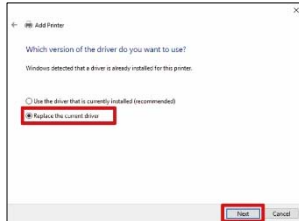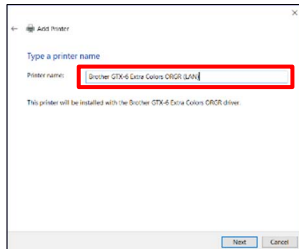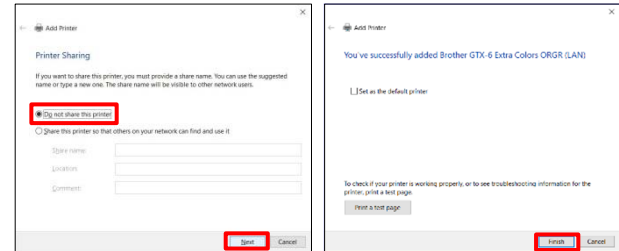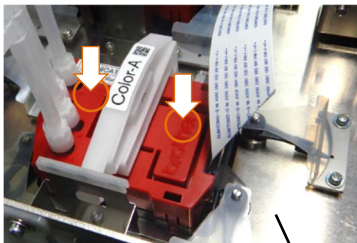
👉 **TIPS** Press two places on the top of all print heads with your finger to ensure they do not move.
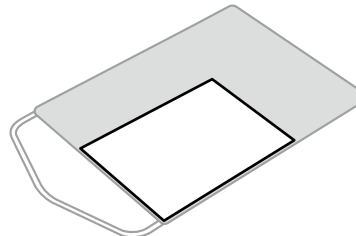

Carriage base

2) Make sure that the platen height is set at the "A" position.

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

3) 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.

X1032

4) Perform the following operation on the screen of the printer:

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

Press and hold the two print buttons at the same time.

👉 **TIPS** You will hear a sound each time you press the print buttons and after a certain period lapses. Keep pressing them until the second sound is heard.
Releasing them too soon causes the printing to be canceled.

5) 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.)

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

Press and hold the two print buttons at the same time.

👉 **TIPS**	You will hear a sound each time you press the print buttons and after a certain period lapses. Keep pressing them until the second sound is heard. Releasing them too soon causes the printing to be canceled.

7) When printing is finished and the printer returns to Standby mode, set a piece of A4 or letter-size white paper in the same manner as in step 2 (a pretreated T-shirt is also acceptable).

8) **[MENU OK]** -> [Test Print] -> [Nozzle Check SP] -> **[MENU OK]**

->Press and hold the two print buttons at the same time.

👉 **TIPS**	You will hear a sound each time you press the print buttons and after a certain period lapses. Keep pressing them until the second sound is heard. Releasing them too soon causes the printing to be canceled.

9) 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.

👉 **TIPS**	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.
	The following items are printed at the bottom of the nozzle check pattern: Serial number, firmware version, print date (day/month/year), time, temperature, humidity, and number of prints
	The name of the corresponding head (Head A or Head B) is printed next to each nozzle check pattern.

X1099

White Head B

OR/GR Head B

Color Head B

Color Head A

White Head A

OR/GR Head A
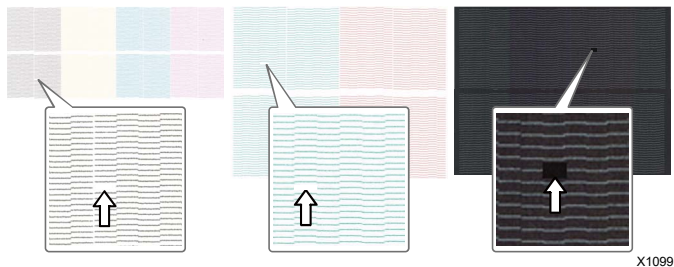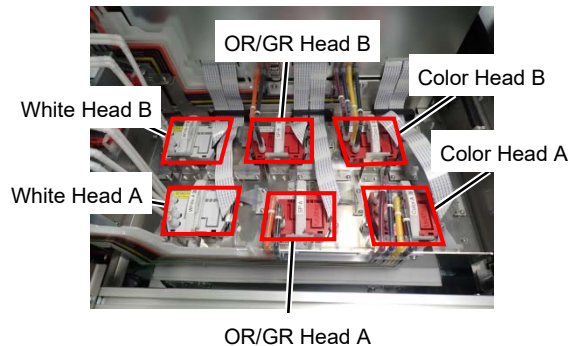
10) If any problem is found, perform a normal cleaning.
While the printer is in Standby mode, press ⬚ -> Select

the head with the problem -> Press **MENU OK** .

11) Check the nozzle check pattern again.
If the problem still persists, please contact your dealer.

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2 Making print head adjustments

1) Connect the printer and PC via a USB 3.0 cable or LAN cable. On the PC side, from "Brother GTX-6 Extra Colors ORGR Tools", Activate "GTX-6 Extra Colors ORGR Maintenance".

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.

TIPS	For details for pretreatment, refer to the Instruction Manual.

3) Make print head adjustments by following the instructions on the "GTX-6 Extra Colors ORGR Maintenance" screen.

	Menu name	Things to prepare
1	[Initial settings after head replacement]	—
2	[Color adjustments between color/ORGR heads]	White paper
3	[Firing Adjustment]	Black paper or transparent sheet (such as OHP sheet) White paper
4	[Position adjustment for the 2 heads of the same color]	Black paper or transparent sheet (such as OHP sheet) White paper
5	[Platen-Rolling Adjustment]	White paper
6	[White and Color/ORGR Alignment]	Black paper or pretreated black or dark color T-shirt
7	[Setting of the time displayed on the nozzle check pattern]	—
8	[Setting of the scheduled time for white ink circulation]	—
9	[Setting of the scheduled time for humidification]	—

✋ 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	Print out of the nozzle check pattern (checking on the print heads)	—
When an error / warning is displayed	Confirmation and disposal of waste ink	○
	Confirmation and disposal of waste water	○
	Refilling the ink	○
	Refilling the cleaning solution	○
	Cleaning the nozzle guard and suction cap	○
	Replacing the wiper, flushing foam, cap foam, and carriage foam	○
	Replacing the mist fan filter	○
When the printer becomes dirty	Head cleaning	—
	Cleaning the internal area of printer	—
	Replacing the platen sheet	—

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

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