VJ628 SubliJet-HD Startup Guide

sawgrassink.com/Portal/Tech-Support/Technical-Documents/SubliJet-HD-ProPhoto-XF/VJ628-SubliJet-HD-Startup-Guide.aspx

Unpacking and Assembly | Connecting Cables | Take-Up Unit Assembly | Installing & Configuring Software | Safety Tips & Warnings

Unpacking and Assembly

Warning
Two or more people should carry out the operations of unpacking and moving this printer.
Be sure to keep this product level when moving it.

Unpacking - Installation Box

> *1. Open the installation box and confirm that it contains the following. See Figure 1.*

Figure 1

> ***a)*** *Virtuoso VJ 628 Getting Started Guide (x1)*
> ***b)*** *USB drive (x1)*

> ***c)*** *Power Cords (x2)*
> ***d)*** *Cleaning cartridges (x8)*
> ***e)*** *Ink Cartridge assignment stickers*

Unpacking - Printer Box

> *2. Open the printer box and confirm that it contains the following. See Figure 2.*

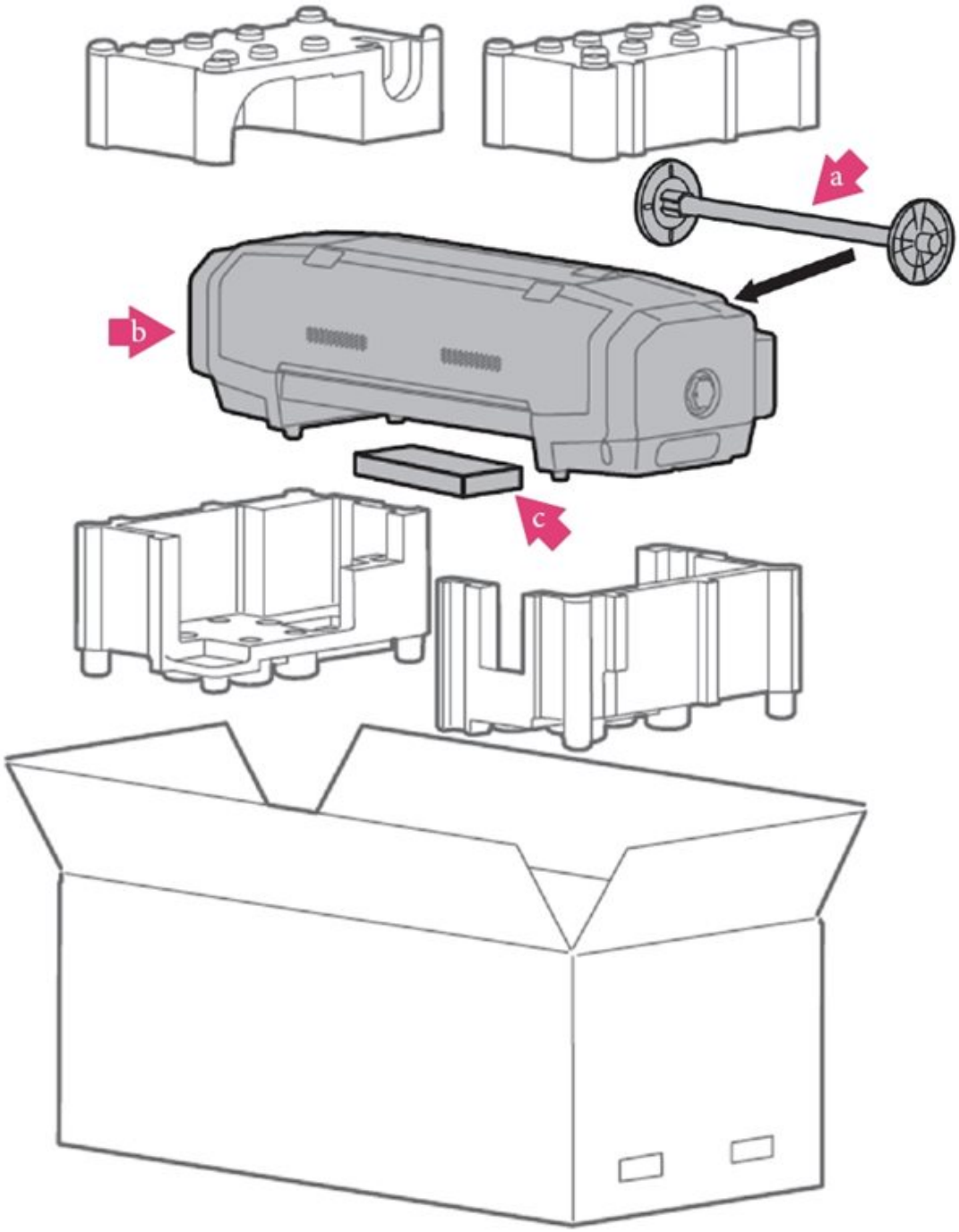

Figure 2

> ***a)*** *Roll media holder (x1)*
> ***b)*** *Printer (x1)*
> ***c)*** *Accessory box (x1)*

3. Open the accessory box (located in the printer box) and confirm that it contains the following. See Figure 3.

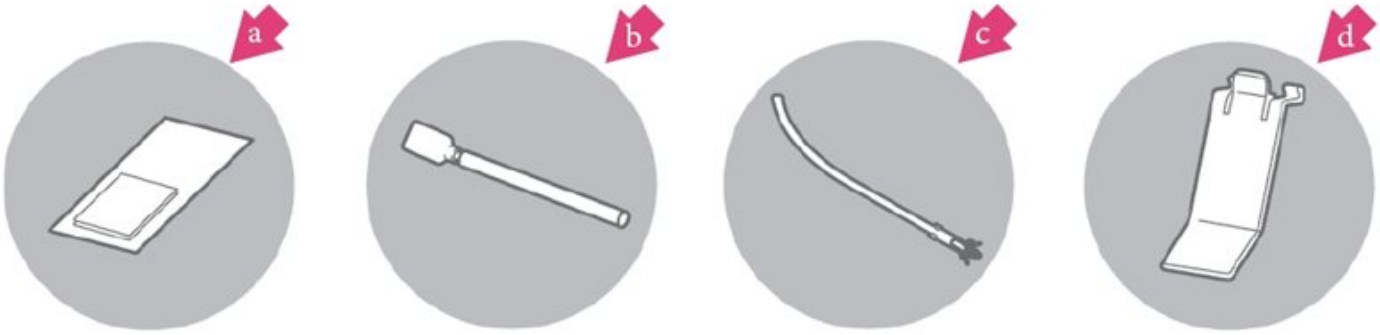

Figure 3

a) *Lint free cloth (x1)*
b) *Pack of cleaning swabs (x1)*
c) *Tying bands (x2)*
d) *Media guides (x2)*

Unpacking - Printer Stand Box

4. Open the printer stand box and confirm that it contains the following. See Figure 4.

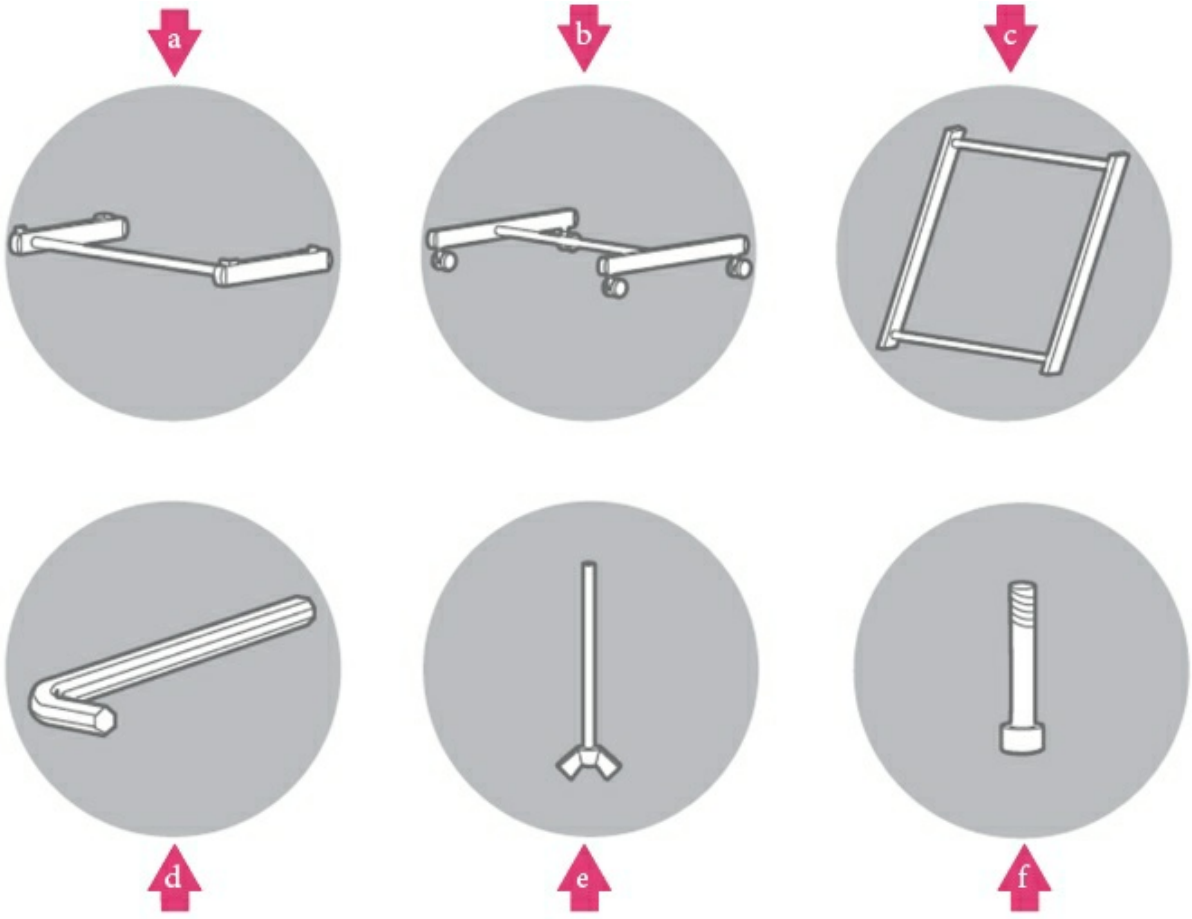

Figure 4

> ***a)*** *Stand top piece (x1)*
> ***b)*** *Stand bottom piece (x1)*
> ***c)*** *Stand middle piece (x1)*
> ***d)*** *Hexagon wrench (x1)*
> ***e)*** *Wing screws (x2)*
> ***f)*** *Hexagon socket head screws (x4)*

Unpacking - Take-Up Unit Box

> *5. Open the take-up unit box and confirm that it contains the following. See Figure 5.*

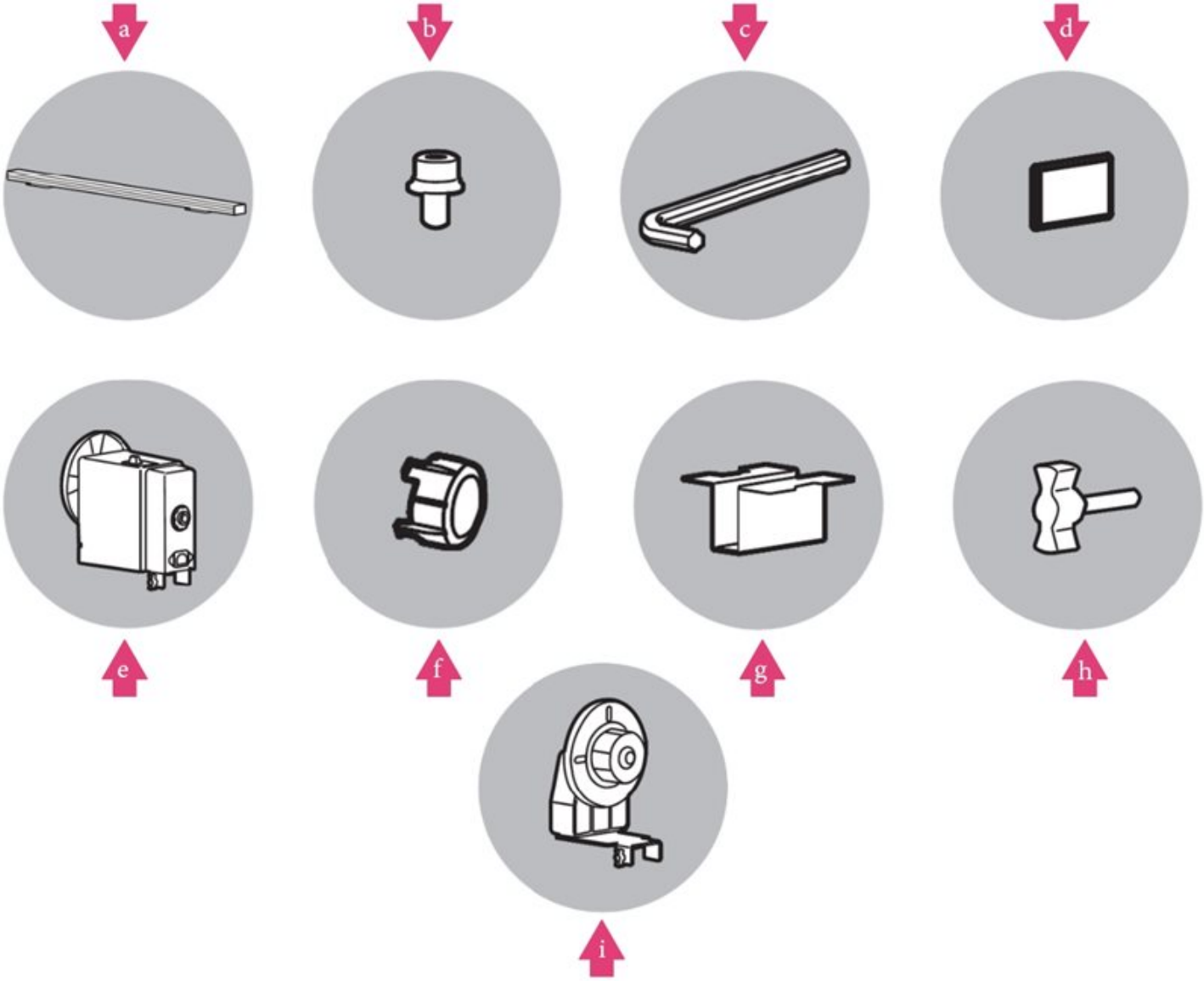

Figure 5

> ***a)*** *Rail (x1)*
> ***b)*** *Hexagonal screw (x8)*

c) *Hexagonal wrench (x1)*
d) *Rail cap (x2)*
e) *Driving unit (x1)*
f) *Adapter for three inch media (x2)*
g) *Rail fixing plate (x2)*
h) *Thumbscrew (x2)*
i) *Driven unit (x1)*

Additional items you will need. *(Not Supplied)*

6. In order to install the product and make the initial settings, you will need the following items in addition to the packaged items. See Figure 6.

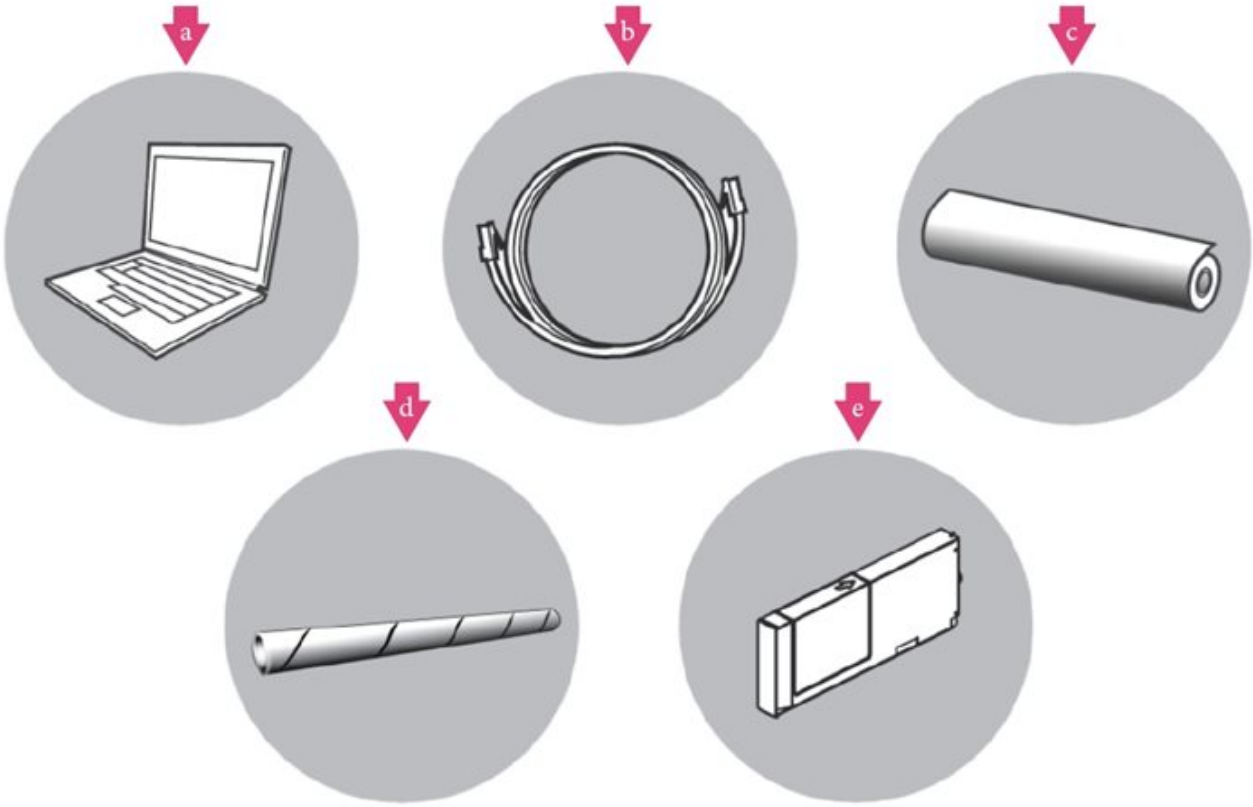

Figure 6

a) *Computer (x1)*
b) *Ethernet cord (x1)*
c) *Media / Paper*
d) *Take-up tube (for Take-up Unit - 25in length / 2 or 3in in diameter)*
e) *Ink Cartridges: (x8)*

Notice *You must use a computer running Windows 7, 8 or 10 operating system.*

Warning

Be sure to use a power cable of the specified type. Using any other power cable could result in electric shock or fire.
Do not use a damaged power cable. It could cause electric shock or fire.

Installation / Assembly

> *7. You must install the printer in a location that meets the following minimum installation space requirement.*

> - *Clearance behind printer must be 450mm*
> - *Right side clearance must be 150mm*
> - *Left side clearance must be 50mm*
> - *Front clearance must be 450mm*

In addition, the printer must be in a location that meets the following conditions:

> - *is level*
> - *has no vibration*
> - *has low humidity and little dust (Humidity 40-60%)*
> - *has no direct sunlight or strong lighting shining on it (Temperature 20-30°C)*
> - *has small variation in temperature and humidity. (Ranges to ensure printing precision: Temperature 22-30°C and Humidity 40-60%)*
> - *has no drafts (including those from heating or air conditioning equipment) blowing onto it*
> - *has low levels of electromagnetic radiation and noise*
> - *Environment for storage*
>   - *If not charged with ink when stored up to 6 months (Temperature -10 to 40°C and Humidity 20-80%)*
>   - *If charged with ink when stored up to 1 week (Temperature -10 to 40°C and Humidity 20-80%) Perform nozzle checks weekly.*
>
> *8. Following are the electrical power specifications required by the printer. Actual connection and power up are not done until steps 6-10 of the Connecting cables section.*

> - *Voltage AC 100 V + 10% or 200 V + 10%*
> - *Frequency: 50/60 Hz*
> - *Current: No less than 10 A; 15 or 20 Amp circuit is recommended.*

> *9. Install the two media guides in the positions shown below. See Figure 7.*

Notice

When adding a take-up system to your printer, these media guides will need to be removed.

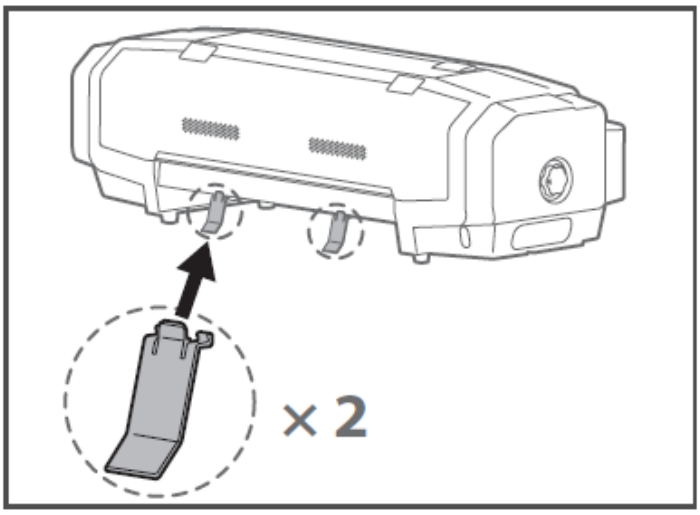

Figure 7

> *10. Install one of the accessory tying bands to the position shown below. This tying band is for fastening the power cable so that it will not interfere with the roll media. To release the tying band, simply press its lever. See Figure 8.*

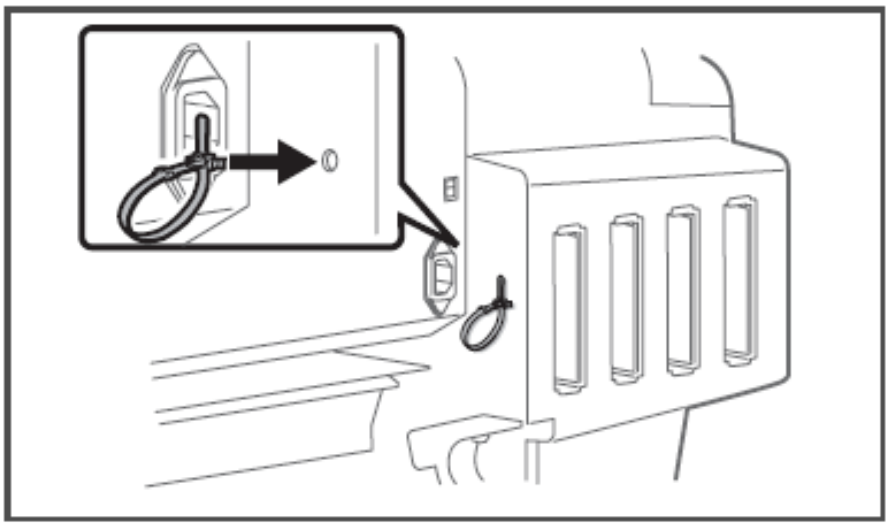

Figure 8

> *11. Install the other tying band on the opposite side as shown below. This tying band is for fastening the ethernet cable so that it will not interfere with the roll media. See Figure 9.*

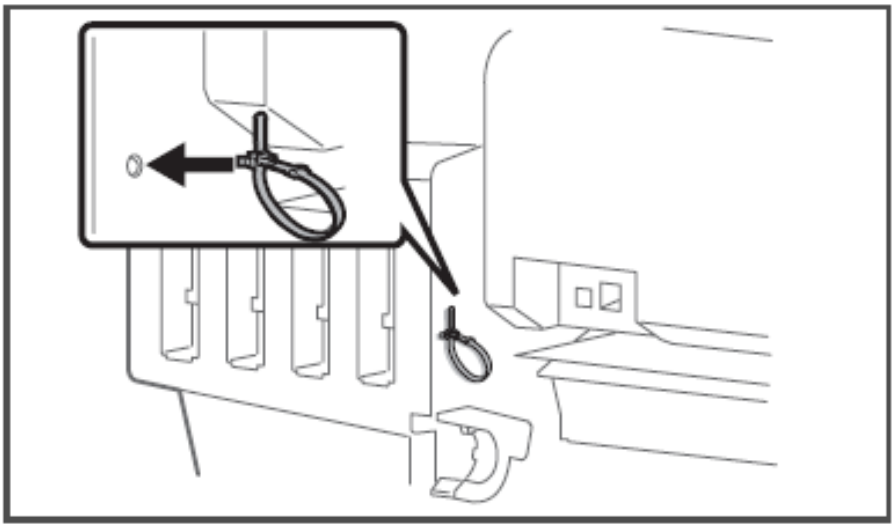

Figure 9

Warning

The operation of mounting the printer onto the stand must be carried out by two or more people working together. Before installing printer onto stand ensure there is no power to printer.

> *12. Assemble the stand. See Figure 10.*

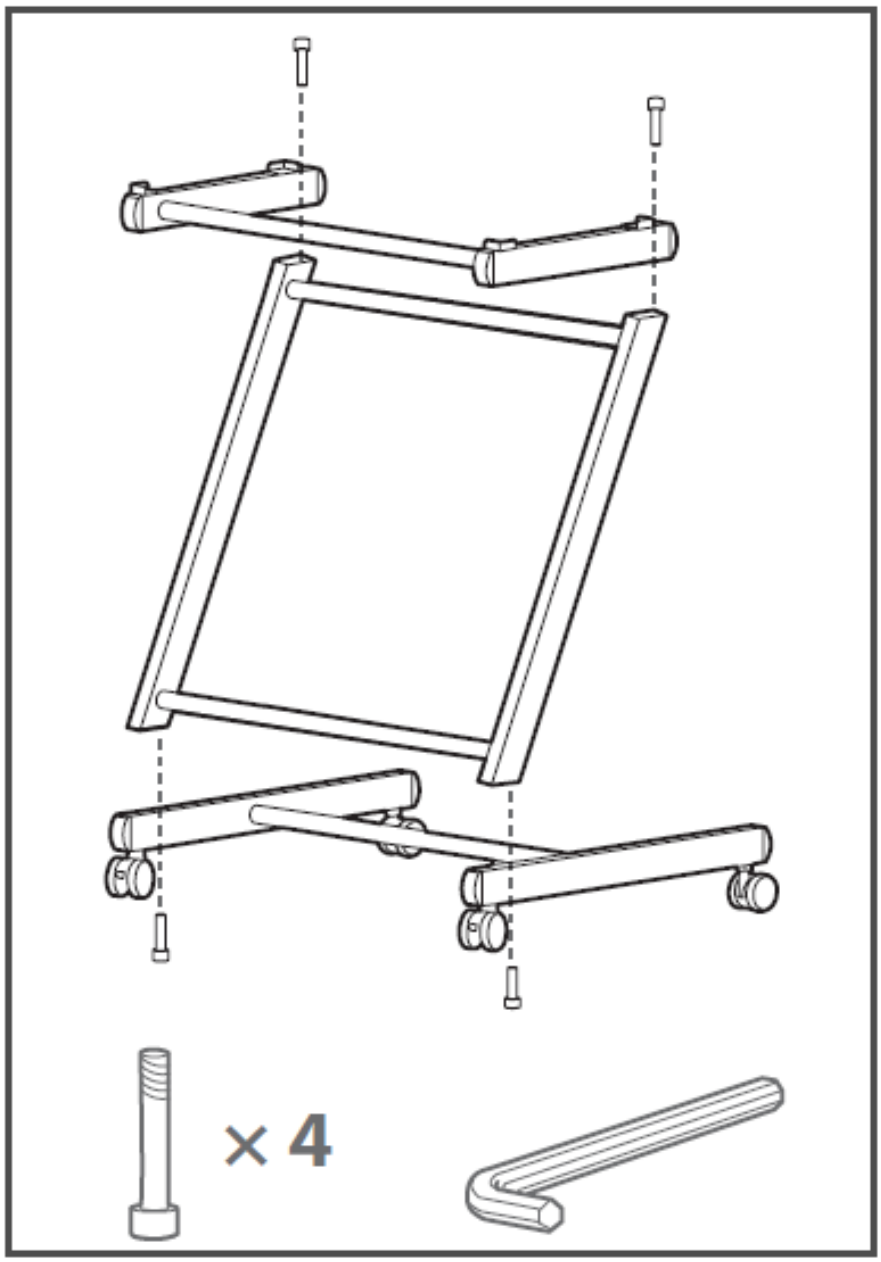

Figure 10

> *13. Lock the casters. See Figure 11.*

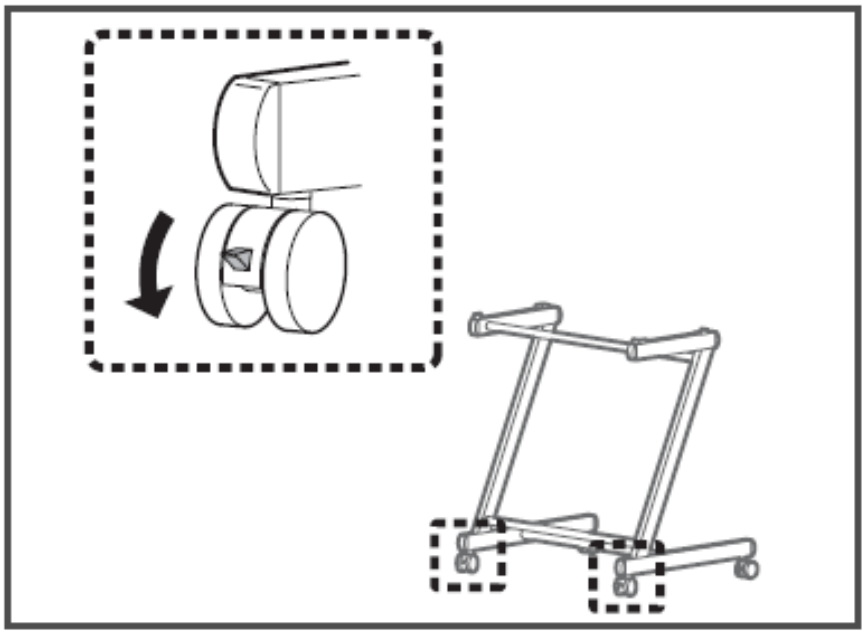

Figure 11

> *14. Align the printer's rubber feet with the stand's protrusions, and mount the printer to the stand with the two wing screws. See Figure 12.*

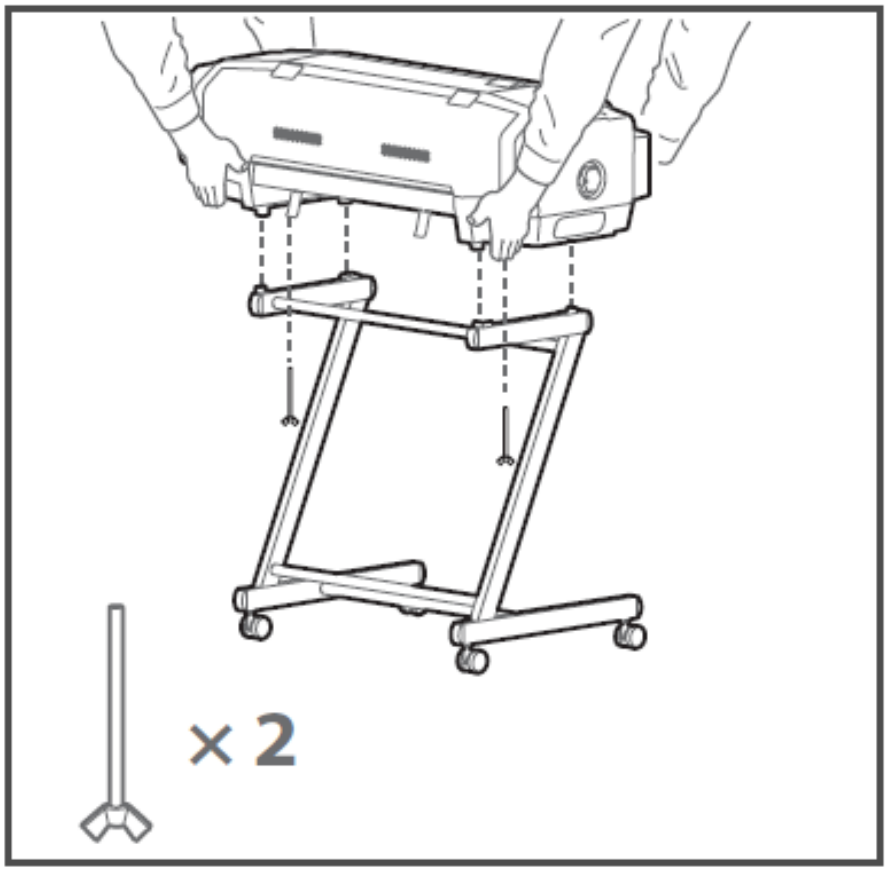

Figure 12

> *15. Open the front cover and turn the media fixing knob to release the fixing mechanism. See Figure 13.*

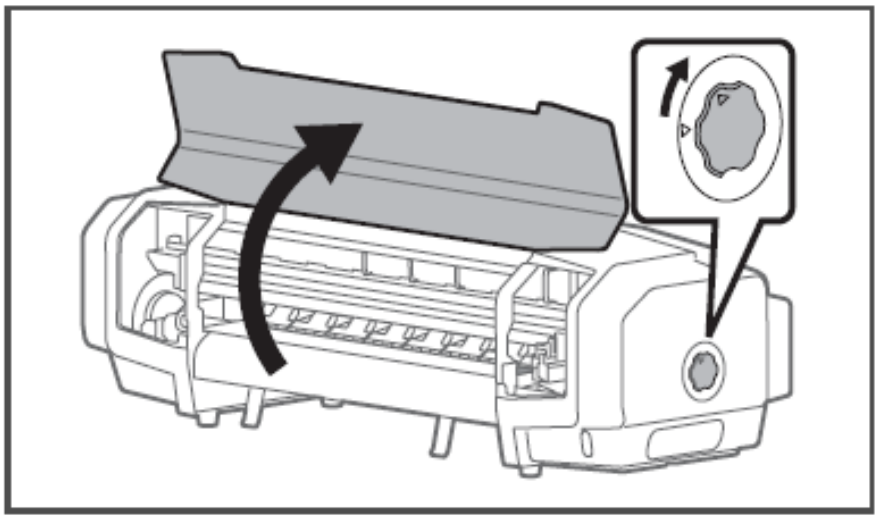

Figure 13

> *16. Remove the roller protective sheet. See Figure 14.*

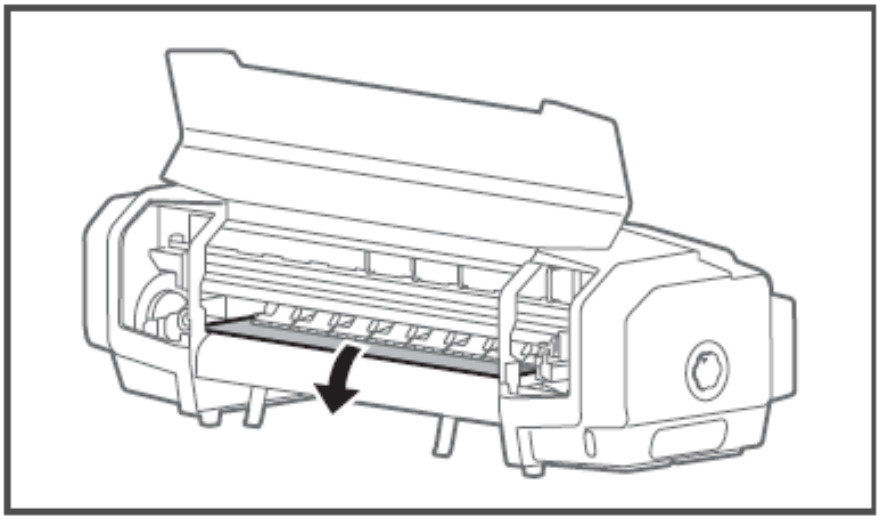

Figure 14

> *17. Remove the protective material from the steel bar. See Figure 15.*

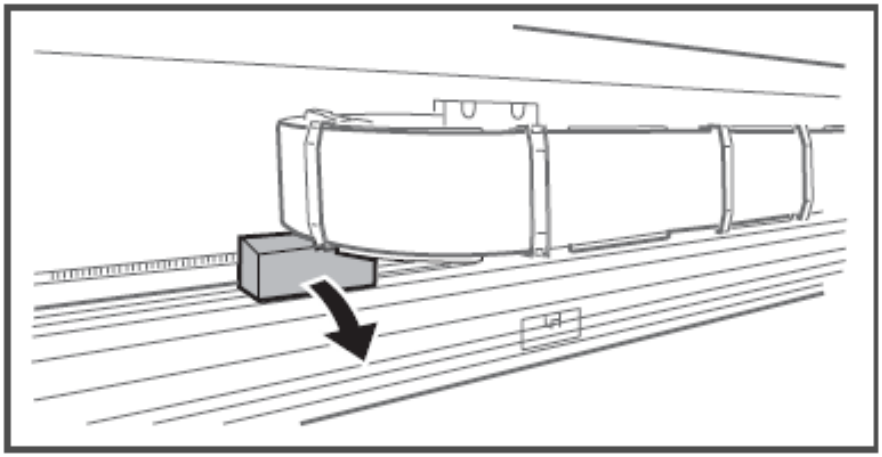

Figure 15

> *18. Peel away the tape then move the left and right paper guides to their outer positions. See Figure 16.*

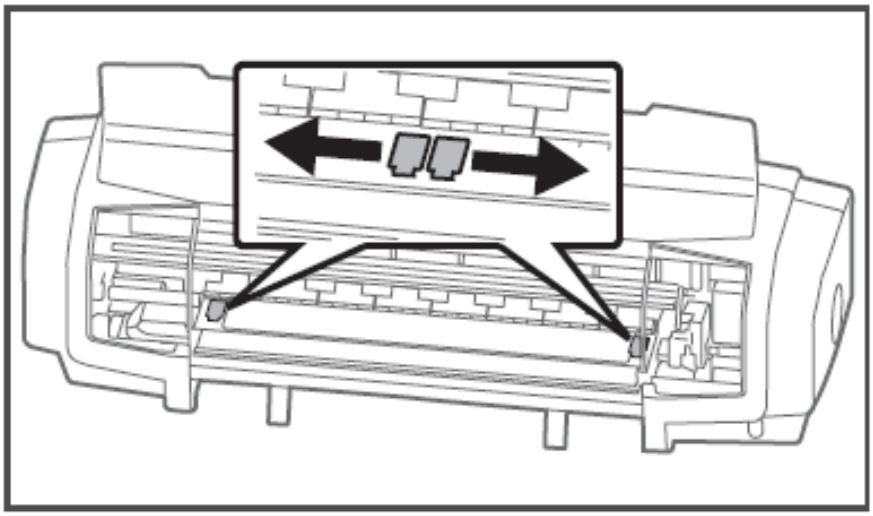

Figure 16

> *19. Peel the tape off of the cutter. See Figure 17.*

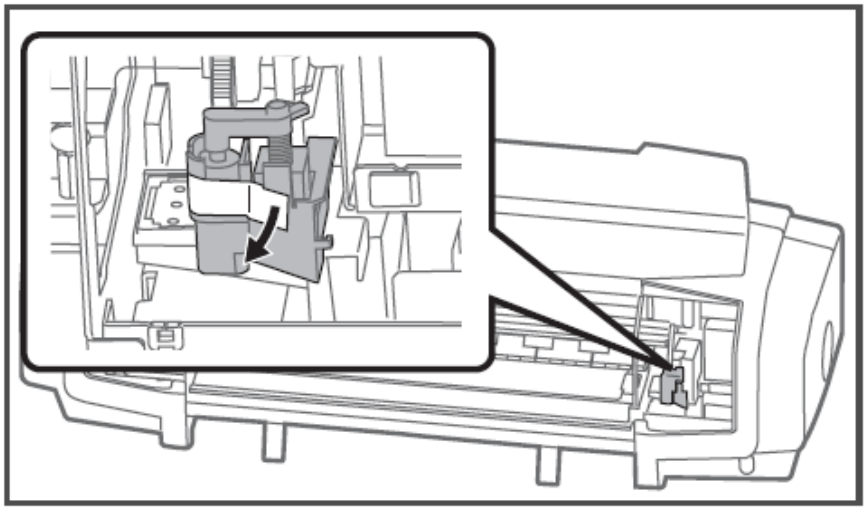

Figure 17

> *20. Remove the screws and head fixing plate. See Figure 18.*

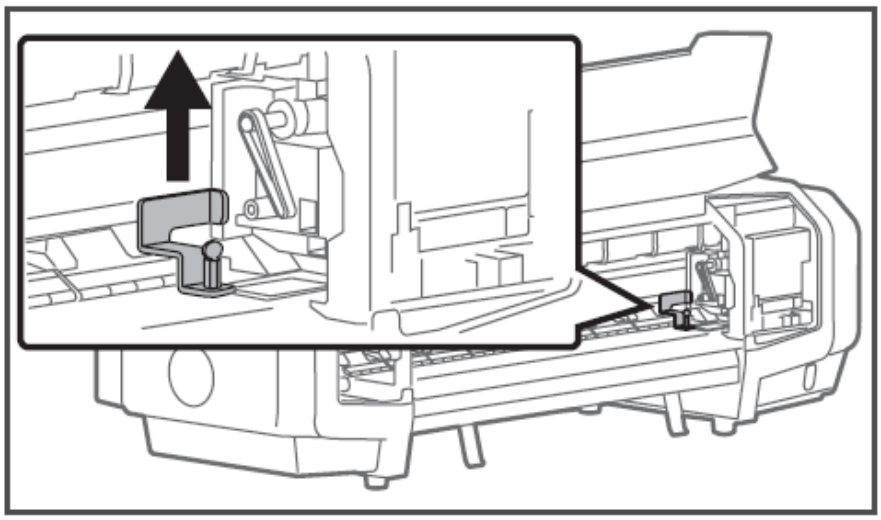

Figure 18

> *21. Apply the ink specific cartridge assignment stickers to the back of the printer over the cartridge slots. See figure 19.*

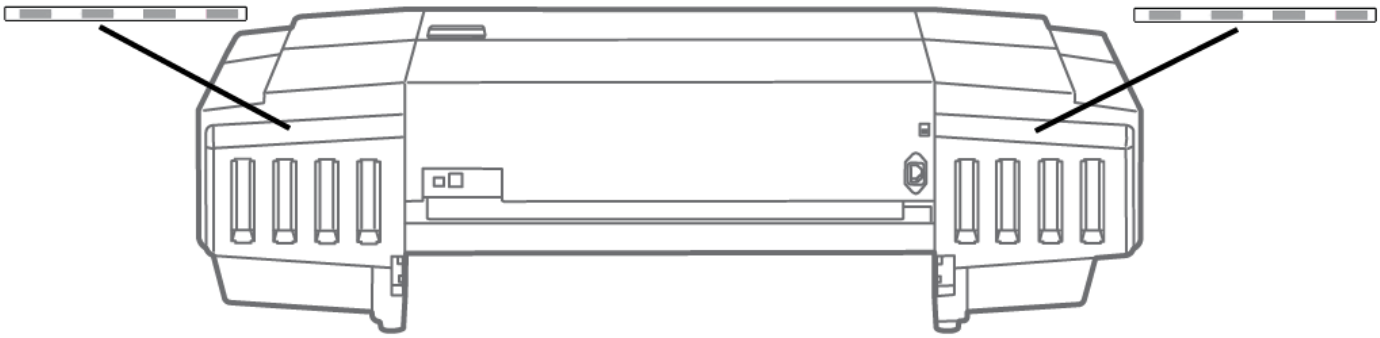

Figure 19

Notice

Store the roller protective sheet, head fixing plate, and screws. They can be reused if you ever need to transport the printer.

Connecting Cables

> *1. Before connecting cables, close the front cover, turn the media fixing knob to its locked position, then check to make sure the waste ink valve is locked. See Figure 20.*

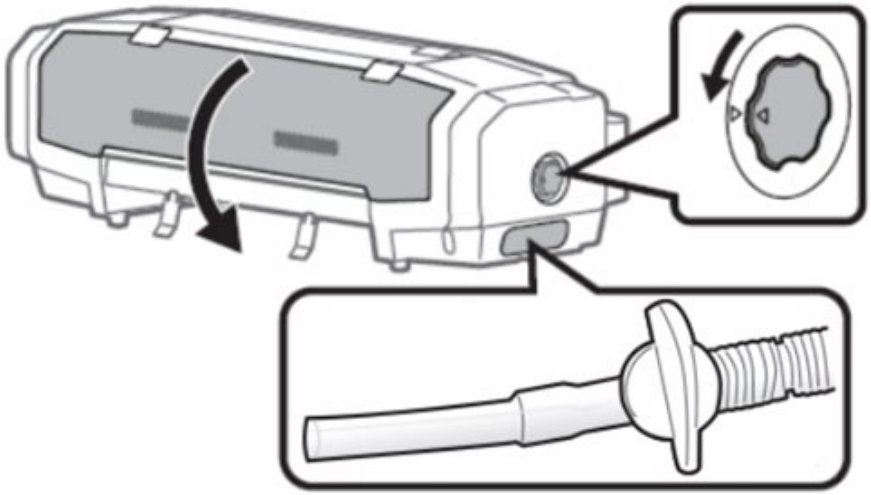

Figure 20

> *2. Make sure that the power button is turned off. If the power switch is in a pressed inward state, it is turned on and you must press it again. See Figure 21.*

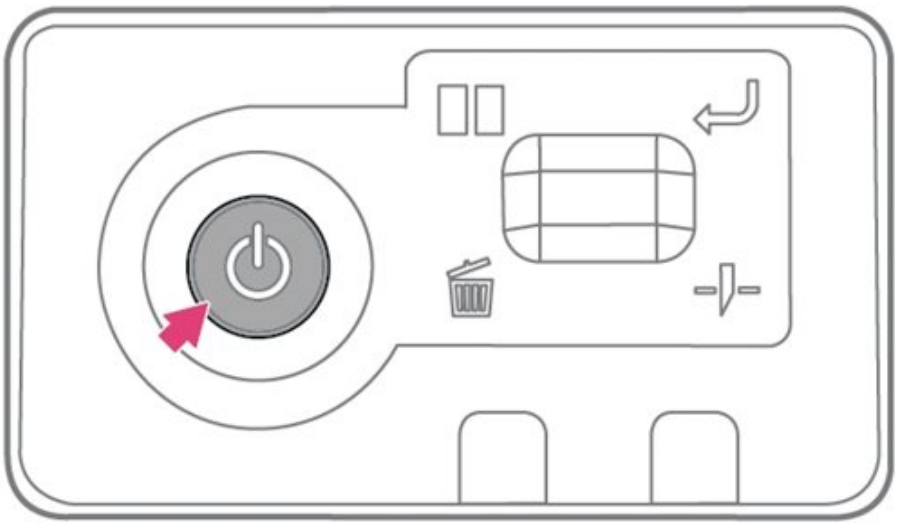

Figure 21

> *3. Units with serial numbers equal or greater than 1E1003000 have an auto switching input and can be connected to AC mains with voltage ranges of 100V to 240V. The power supply frequency is either 50Hz +/- 1 Hz or 60Hz +/-1Hz. For Units with serial numbers less than IE1U003000, set the voltage selector swith to the voltage of the region where you are using the product. See figue 22.*

- For AC 100V to 120V, set the voltage selector switch to 115V
- For AC 200V to 240V, set the voltage selector switch to 230V

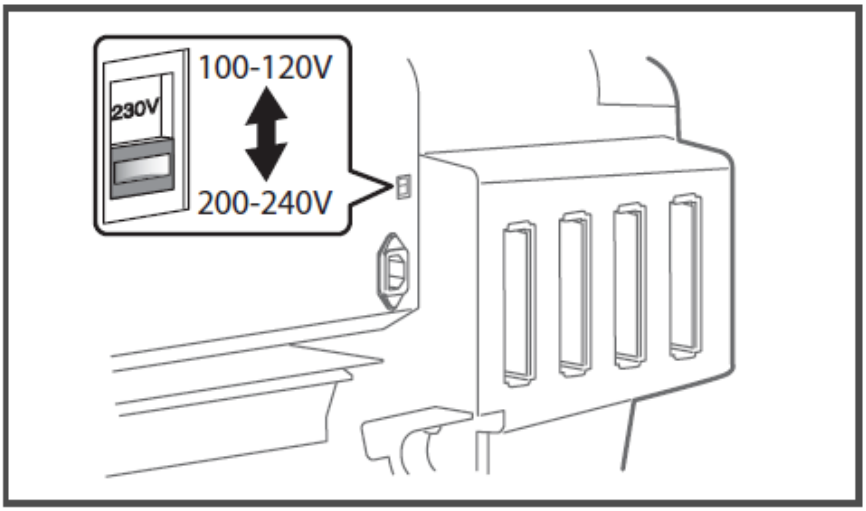

Figure 22

Notice

The voltage selector switch is set to 230V when it is shipped. If the voltage selector does not match the voltage in your area, it can cause errors.

> *4. Connect the power cable to the printer. See Figure 23.*

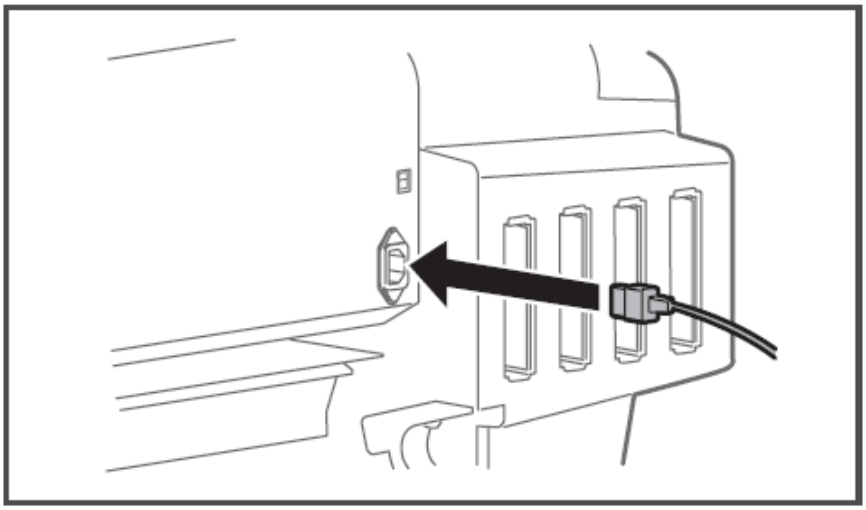

Figure 23

> *5. Use the tying band to fasten the power cable. See Figure 24.*

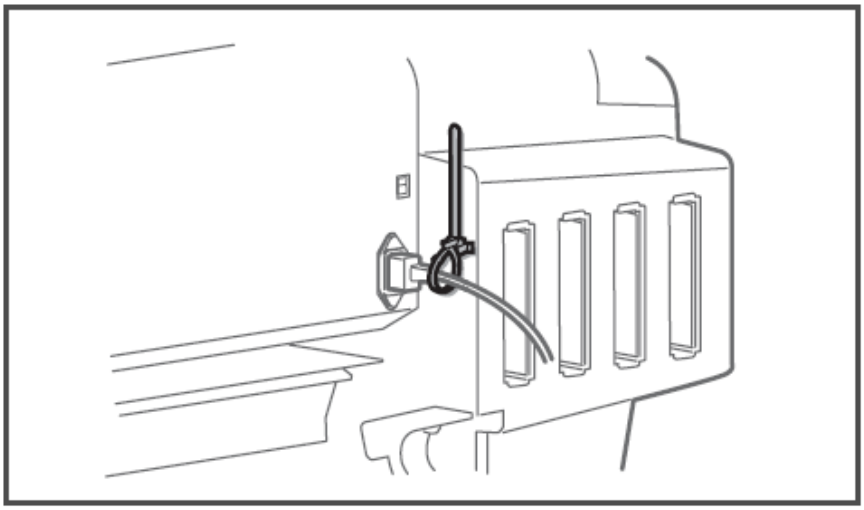

Figure 24

> *6. Insert the power cable plug into the outlet. Be sure to insert it correctly. See Figure 25.*

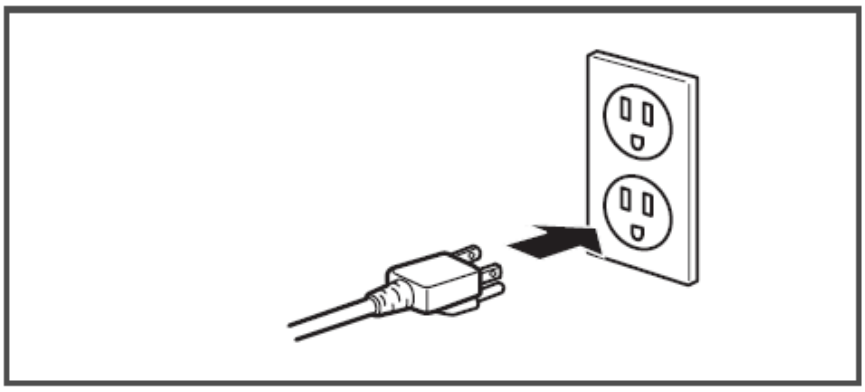

Figure 25

> 7. *Connect the ethernet cable to the printer. See Figure 26.*

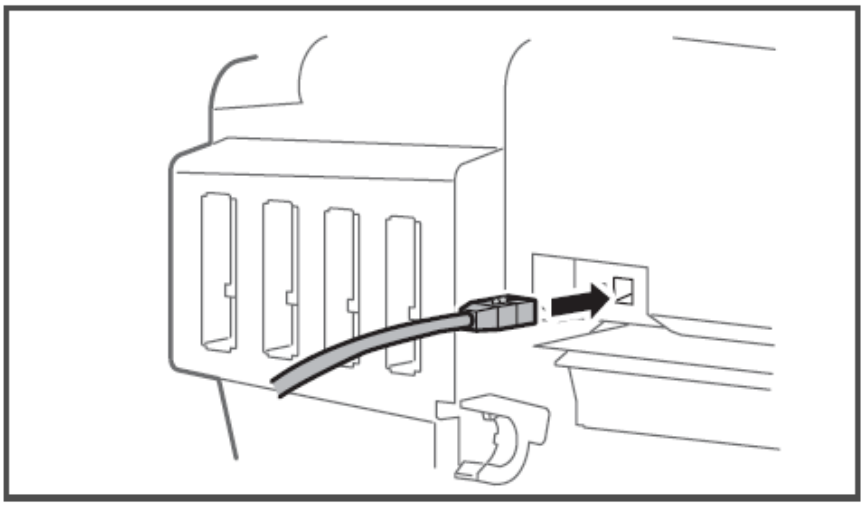

Figure 26

> 8. *Use the tying band to fasten the ethernet cable. See Figure 27.*

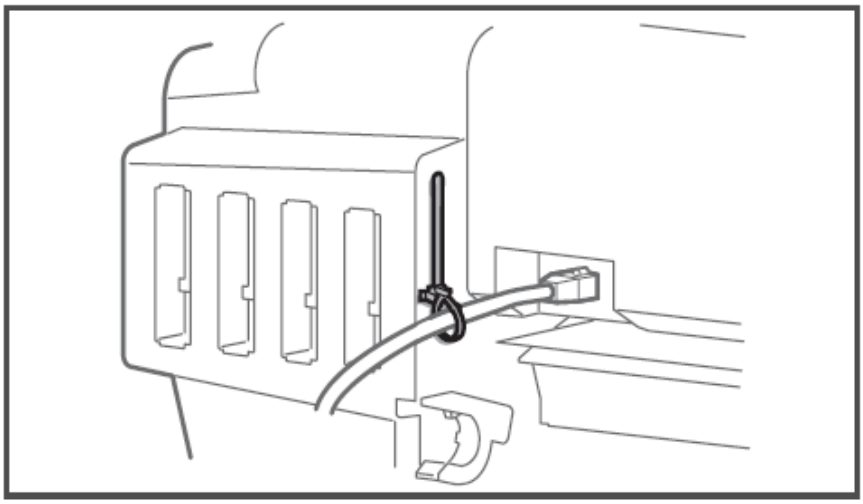

Figure 27

> *9. Connect the ethernet cable to your computer. If you use the product with a LAN, connect the cable so that the computer and printer are on the same subnet. The following figure is an example of peer-to-peer connection between this product and computer. Connection method differs depending on the usage environment. See Figure 28.*

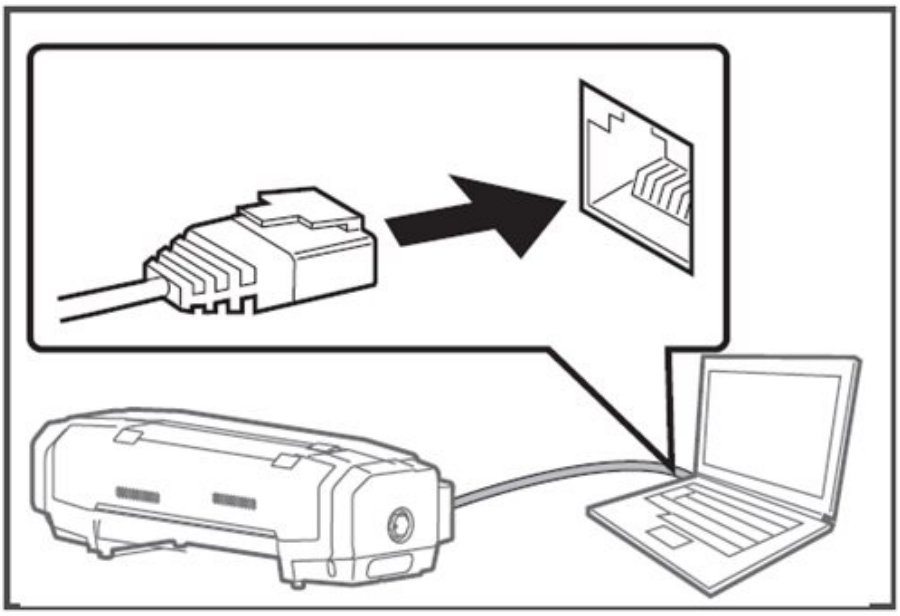

Figure 28

Warning

Before turning the power on, check to make sure the media fixing knob is unlocked and the front cover of the printer is closed.

> *10. Turn the printer power on. The blue indicator will light up and the printer will start to power up. See Figure 29.*

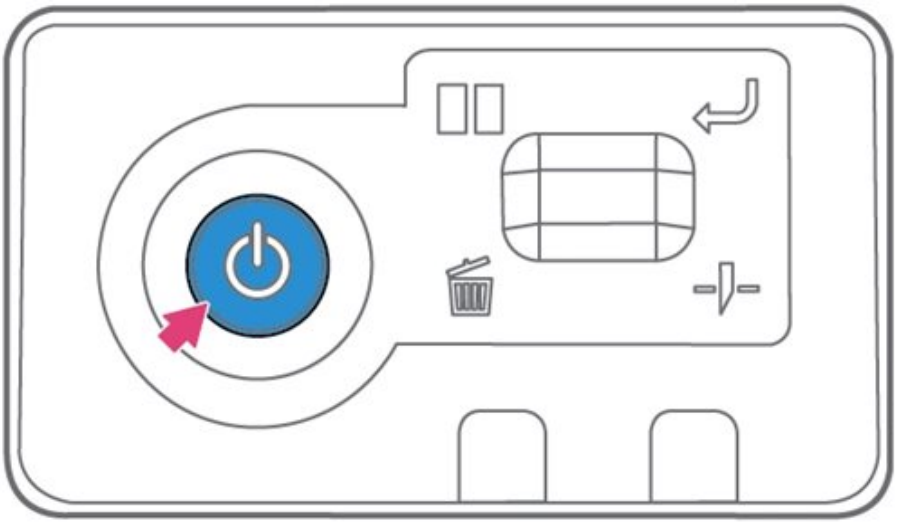

Figure 29

Take-Up Unit Assembly

> *1. Place the rail on the front side of the stand. Attach the rail fixing plate from the bottom. Using the attached hexagonal wrench, tighten the hexagonal screw. See Figure 30.*

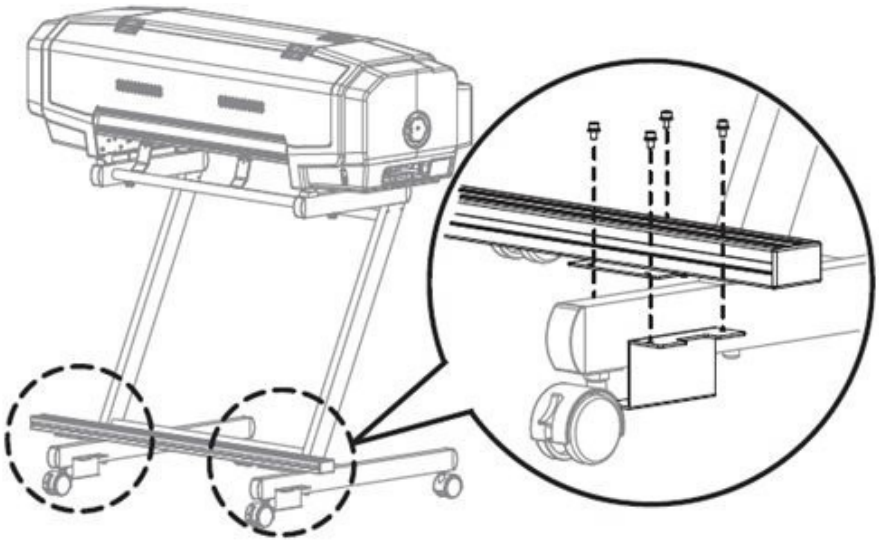

Figure 30

> *2. Make sure that bottom of the screws of driving unit and driven unit are into the groove, then slide the unit. Embed them so that the driving unit is on the right side and the driven unit is on the left side when seen from the front. See Figure 31.*

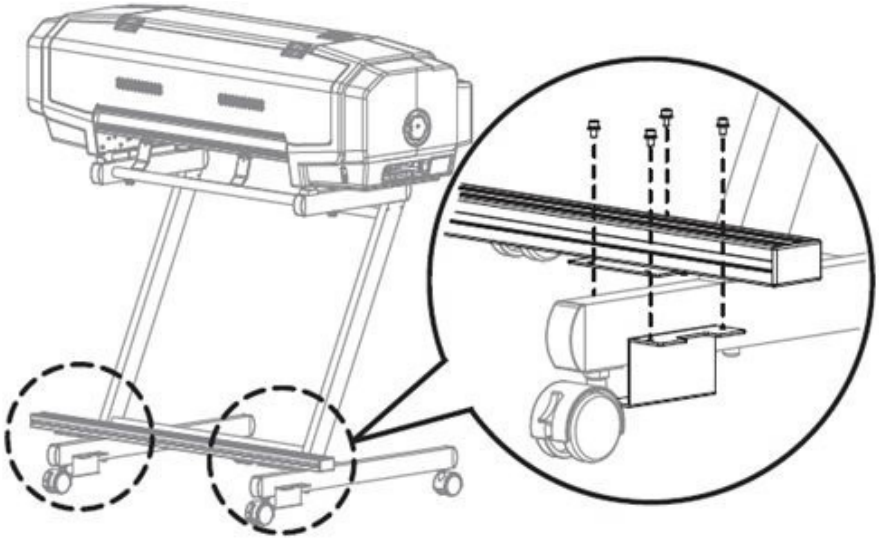

Figure 31

> *3. Attach the rail caps on both edges of the rail. See Figure 31.*

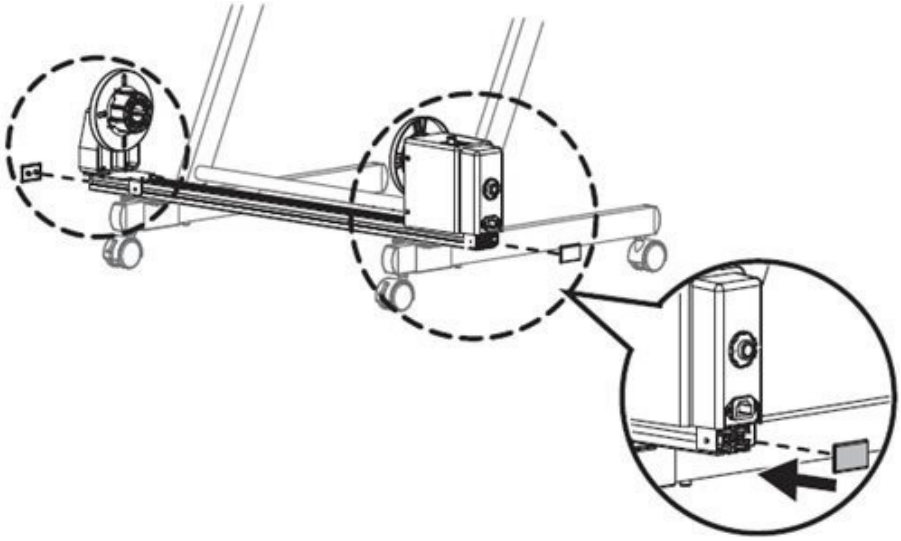

Figure 32

4. Set the take-up tube. See Figure 33.

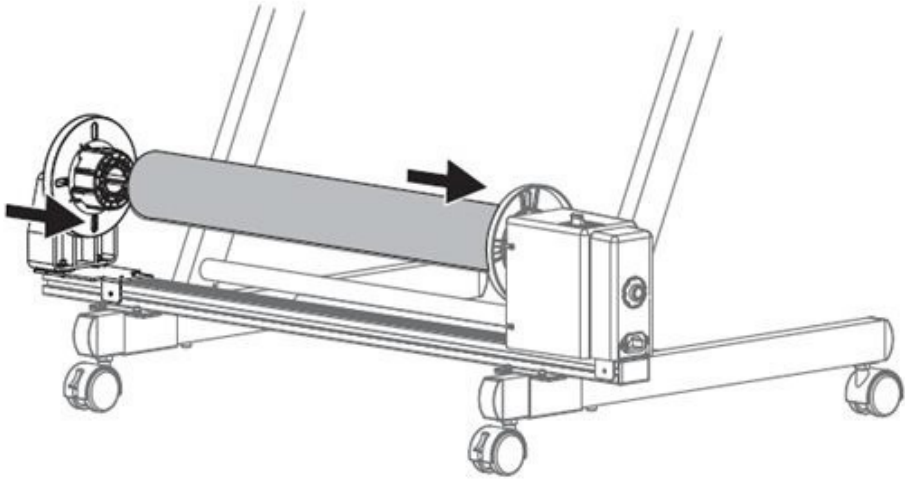

Figure 33

5. Use thumbscrews to fix the driving unit and driven unit on the rail. See Figure 34.

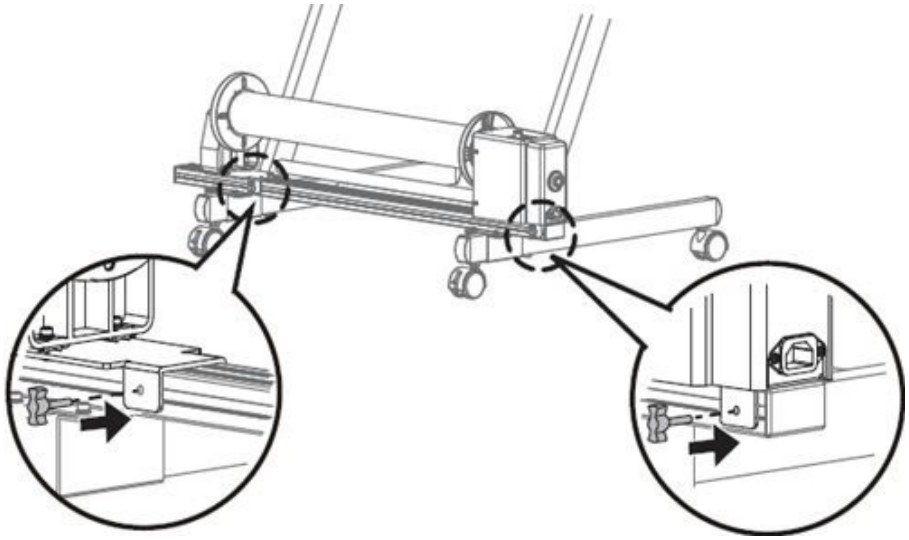

Figure 34

> *6. Make sure that the operation switch is at the left. Connect the power cable. See Figure 35.*

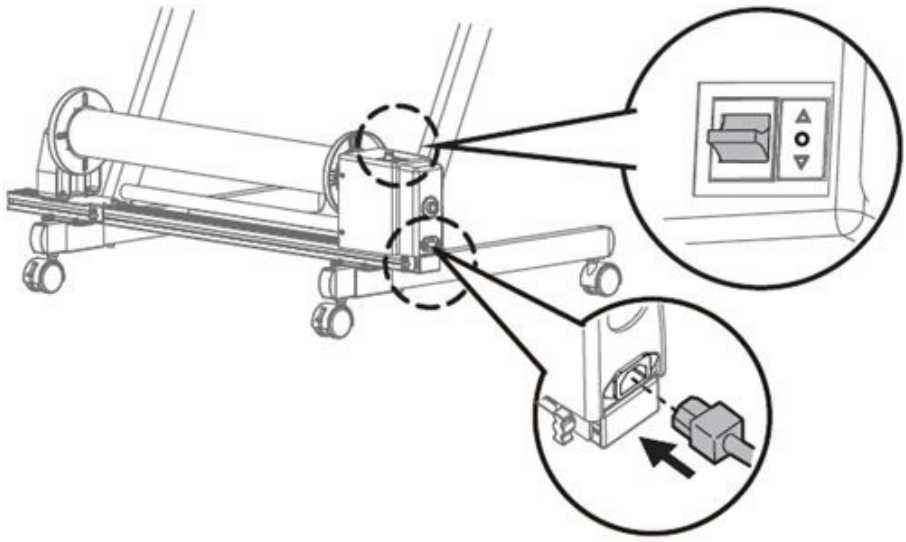

Figure 35

For assistance with installing the take-up unit to run with your VJ628 printer, refer to the Installation Guide.

Warning

> *Use this product under the power supply environment indicated below.*
> *Voltage: AC 100 - 240V ±10%*
> *Frequency: 50 Hz/60 Hz ±1 Hz*
> *Be sure to use the specified power cord set.*
> *Using a power cord set other than the specified can cause an electric shock or fire.*
> *Be sure to use a dedicated power socket with earth wire for the power supply, and connect it to the earth wire.*
> *Do not use a damaged power cable.*
> *It could lead to an electric shock and fire.*

Installing and Configuring Software

Notice : If you intend on using Sawgrass PowerDriver-v4 with your SubliJet-HD VJ628, this is the time to install it. Sawgrass PowerDriver-v4 can be used with the following inksets: Dual CMYK, HD ProPhoto and HD ProPhoto XF. If you are using the HD ProPhoto XG inkset, extended gamut orange and blue spot colors; or the HD ProPhoto FL inkset, extended gamut florescent yellow and pink spot colors, PowerDriver cannot be used, thus installation is not necessary. The HD ProPhoto XG inkset and the HD ProPhoto FL inkset were ONLY profiled to work with the Wasatch Softrip. For assistance with PowerDriver-v4 installation, refer to the Installation Guide.

During the SubliJet-HD VJ628 PowerDriver-v4 installation, you will also install the Mutoh driver. The overview below shows the steps that will occur during the Mutoh driver installation.

- Installation of Software: Install to the computer the software that will be used with the printer.
- Initial Settings for Software: Have an IP address set for the printer and have the follow installation guide that applies.
- Initial Ink Charge: Install ink cartridges when prompted and carry out charging with ink.
- Installation of Media: Install paper to carry out print testing.
- Nozzle Check and Head Cleaning: Run the nozzle check on the printer to ensure a good nozzle check. Perform cleaning if necessary.
- Print Head Alignment.
- Paper Feed Adjustment: Adjust the feed amount if necessary.
- Registration.
- Set-up is now complete!

Safety Tips & Warnings

For Users in EU or where CE is required

The CE marking is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives. By affixing the CE marking, the manufacturer, his authorized representative, or person placing the product on the market or putting into service ensures that the item meets all the essential requirements of all applicable EU directives and that the applicable conformity assessment procedures have been applied

For Users in the United States

This equipment has been tested and found to comply with the limits for Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses and can radiate radio frequency energy and if not installed /used in accordance with the instruction manual may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

There are warning labels posted in dangerous places in this printer. The contents of the labels should always be followed. See Figure 35.

- Cutter Caution Label
  - Since the cutter blade can cause injury, do not insert fingers.
- Caution Label for Hand Insertion
  - Since it may cause injury when coming in contact with the carriage, do not insert hand.

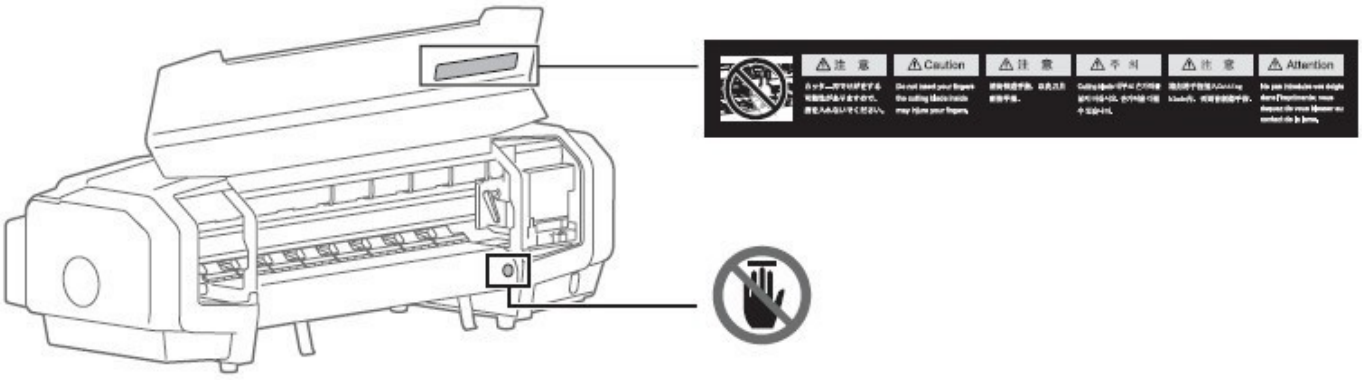

Figure 36

Concerning electric shock, short circuits, and fire

Warning

- **Do not install printer where it is humid or dusty.**
  - It could lead to an electrical shock or fire.
- **Do not use a damaged power cable.**
  - It could lead to electrical shock or fire.
- **Do not pull out or insert the power plug with wet hand**.
  - This could lead to electrical shock.
- **Do not insert or drop metal or flammable objects into the printer through openings.**
  - It could lead to an electrical shock or fire.
- **If foreign substances or liquids such as water entered the printer, do not use the printer as it is. It could lead to an electric shock or fire**.
  - Turn the power button OFF immediately and disconnect the power plug from outlet. Then contact the customer support.
- **Do not block the vent with objects**.
  - If vent is blocked heat may accumulate inside the printer and may cause a fire.
- **Make sure to use the specified power supply**.
  - If a power supply other than the specified voltage is used, it could cause an electrical shock and fire.
- **Take power for the printer directly from the power socket**.
  - Do not use multiple plugs on the same socket. This could generate heat and might cause a fire.

- **Connect all cords (cables) in the ways specified in this guide.**
  - Mistakes in the cable connections could result in a fire.
- **Be sure to use the specified power cord.**
  - Use the power cable that conforms to the safety regulations, power supply voltage and plug shape of the country where you are using it.
- **Pay attention to the following points when handling the power cord.**
  - Do not tamper with the power cord.
  - Do not put heavy objects on the power cord.
  - Do not bend, twist or pull the power cord.
  - Do not route the power cord near a heating source.
  - Make sure that no foreign substances such as dust accumulate on the power plug.
  - Make sure that the power plug is firmly inserted into the power socket.
- **Make sure that no moisture enters the printer.**
  - It could cause shorting of the electrical circuits.
- **When printer is not in use for long periods, be sure to turn off the printer power and remove the power cord from power outlet.**

Installing the printer

Warning

- Do not install the printer on a surface:
  - that the printer could topple over or fall off.
  - that is shaky
  - that is tilted
  - that receives vibration from other machines or equipment nearby.
- Ensure printer is level.
- Do not prop against wall.
- Do not turn printer upside down.
  - the ink inside the printer may leak.
  - Normal operation may not occur or be guaranteed if the above exist.
- Unpacking, mounting printer on the stand and moving this product must be carried out by two or more persons working together.

Concerning handling

Warning

- Do not step on or place heavy objects on this printer.
- Heed the following instructions for cleaning of the wipers and print head outer periphery.
  - Wear protective equipment to include but not limited to safety glasses and gloves.

- Heed the following when cleaning the wipers.
  - Use foam swabs to clear of excess ink.
- Do not push or leave the knob of the cutter quickly.
  - Since there is a spring inside the cutter, the cutter may pop out.
- Do not touch cutter blade.
  - It may cause injury.
- Heed the following when cleaning the print head out periphery.
  - Never touch the surface of the print head's nozzles.
    - It could result in damage of the print head.
- Never allow any water to get onto the surface or the print head or area near the print head.
- Do not operate the paper setting knob during initial operation or during printing.
- Do not touch the media feed slot, platen and media guide with printer is in operation.

Concerning consumable items

Warning

- You are obligated to properly dispose of waste ink from the printer in compliance with the Waste Disposal and Public Cleansing Act and local ordinances. Delegate disposal to an industrial waste disposal contractor.
- Before operation, make sure you read the Material Safety Data Sheet (SDS).
- When handling ink cartridges refer to supplied SDS on ink for proper protective equipment required.
- Do not disassemble cartridges.
- During ink charging, abide by the following:
  - Do not turn off printer's power.
  - Do not disconnect the printer's power cable.
  - Do not open front cover.
  - Do not raise the paper setting lever.
- To install a roll of paper keep level.
  - If you install with its scrollers in an upright position, they could be damaged.
- Pay attention to the following points when cutting roll media
  - Mishandling a razor blade may cause an injury.
- When you hold media, do not place your finger in the Media cut groove.

For the latest information and updates on any product, refer to our website.

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