

TEAC

**AUTO WRITE & PRINTING
DISC PUBLISHING SYSTEM**

WP-55T

OPERATION MANUAL

TEAC CORPORATION

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
 - 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Do not expose this apparatus to drips or splashes.
 - Do not place any objects filled with liquids, such as vases, on the apparatus.
 - Do not install this apparatus in a confined space such as a bookcase or similar unit.
 - The apparatus draws nominal non-operating power from the AC outlet with its POWER switch in the off position.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number _____
Serial number _____

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

IMPORTANT SAFETY INSTRUCTIONS

For U.S.A

TO THE USER

This equipment has been tested and found to comply with the limits for a 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 and 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.

CAUTION

Changes or modifications to this equipment not expressly approved by TEAC CORPORATION for compliance could void the user's authority to operate this equipment.

For the consumers in Europe

WARNING

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Pour les utilisateurs en Europe

AVERTISSEMENT

Il s'agit d'un produit de Classe A. Dans un environnement domestique, cet appareil peut provoquer des interférences radio, dans ce cas l'utilisateur peut être amené à prendre des mesures appropriées.

Für Kunden in Europa

Warnung

Dies ist eine Einrichtung, welche die Funk-Entstörung nach Klasse A besitzt. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen ; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen und dafür aufzukommen.

For Canada

Industry Canada's Compliance Statement:

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CAUTION



[Shut-off Timing After Printing]

If you turn off the unit within 10 seconds after a print operation is completed, the thermal head may not be moved back in place.

With the thermal head not in place, you cannot remove the ribbon cartridges from the unit.

If you try too hard to remove them with such a condition, the unit may be damaged.

Make sure that you keep the unit running **more than 10 seconds after the print operation is completed** before you turn the unit off.

Introduction

Thank you for purchasing the TEAC WP-55T.

The WP-55T is a system designed to automatically process data writing and label printing to a maximum of 200 DVD-Rs/CD-Rs.

NOTICE

The reproduction and use of copyrighted materials such as a music, image, computer program and data base are limited by the copyright and other laws or by the license agreement made by and between the copyright holders and users. Before making a reproduction of such materials, check their conditions of use and use this product without infringing the copyrights or other intellectual property rights. TEAC has no responsibility for copyright infringement as a result of reproductions of copyrighted works made by users of this product.

1-1 PC Requirements

CPU:	Pentium 500MHz or more
Main Memory:	256MB or more
LAN port:	Required
HDD:	145MB or more

(not included a work space on the HDD needed for creating DVDs/CDs. You will additionally need 5GB or more space when not recording data on the fly on DVD (or 800MB with CD).

1-2 Operating Systems

Windows 2000
Windows XP

1-3 Media to be used:

Use the TEAC specified record media to maintain print quality.

Introduction

1-4 Features of WP-55T

- Auto batch processing of a maximum of 200 CDs/DVDs
The WP-55T is capable of automatically processing data writing and label printing on a maximum number of 200 DVD-Rs/CD-Rs in a group. For those who had to manually print labels on CDs or DVDs one by one, the WP-55T definitely increases work efficiency.
- Direct network connection allowing multiple clients to submit job commands
Directly connected to a network, the WP-55T can be used as a shared printer on network. Since network clients who create data or label designs can access multiple network-connected computer terminals, there is no need for them to transfer their data to a dedicated controller computer.
- Full-color, high-quality print
 - Photo-quality print with full color 256 gradation levels per color offered by re-transfer printing
 - 400dpi high precision and high definition image quality ensured
- On-demand disc creation/ Best suited for small scale production of a wide variety of products
Whenever it becomes necessary, the WP-55T allows you to easily record necessary data on only a necessary number of CDs/DVDs.
Since the installed drives operate even independently of each other, you can get different jobs run simultaneously.
- Two printing methods available
With the WP-55T, you can print image using either PHOTO or COLOR ribbon depending on the image type or purposes.
 - If you want to reproduce subtle tonal gradations as seen in photos
PHOTO ribbon is excellent in gradation reproductivity.
 - If you want to print text on black background
COLOR ribbon is best suited to expressing color tone differences.

The WP-55T automatically identifies the type of ribbons loaded (*1) and the print setting for the ribbon is configured.

*1 You must load a correct combination of ink and transfer ribbons into the WP-55T. If you load a wrong combination of ribbons, an error message is displayed on the front panel.

- Protective coating applied during print process
The WP-55T's overcoating capability produces glossy prints free from blurriness and outstanding in resistance against moisture and scratch.
Excellent weatherproofness and scratchproofness followed by high durability;
Clear Coating applied over the surface of the disc printed with the WP-55T prevents scratch, moisture and UV damage, and thus keeps glossy prints free from blurriness and color fade-out with the years.
- Best also for barcode prints (using COLOR ribbon)
When printing bar codes on the label surface, your concern may be with water resistance and durability, as well as with fine black and white precision prints. The WP-55T produces delicate, high-precision black and white prints provided with durability and resistance against water thanks to its COLOR ribbon print and overcoating capabilities.
- Printable area from inner edge to outer circular edge
The WP-55T can print on the disc surface from the outside edge of the clear inner hub to the outer edge of a disc (*2), thus without losing any of the content you want to print.

*2 It is not guaranteed that the WP-55T can print a disc from edge to edge. Print performance depends on the print range that each media manufacturer recommends.

Introduction

1-5 Precautions for the installation and others

- The WP-55T weighs about 54 kg. Take safety precautions when unpacking/packing or when moving the unit.
- You have to be careful so that the unit may not be subject to strong shock when moving.
- To prevent damage during shipment, the WP-55T has been shipped with some internal parts held in place with cushions and fixing metallic piece. Be sure to refer to **Removing & Installing Shipping Protection Materials** and remove all shipping materials before use.



Never turn on the WP-55T without removing the shipping materials. Failure to follow this instruction may cause the unit to malfunction.

- Place the WP-55T on a stable, horizontal surface free from mechanical vibration or shock.
- Ambient temperature should be 15 to 30 °C and humidity 30 to 70%.
- To maintain consistent print quality, avoid places where temperatures sharply change because of the direct sunlight or nearby heating apparatuses.
- Avoid dusty places, or the print quality might deteriorate or the printer might suffer failures.
- Never install the WP-55T close to windows through which rain droplets can sneak in, which might cause malfunctioning.
- Do not expose the WP-55T to liquid and excessive humidity.
- Do not install the WP-55T too close to AV products or display monitors.
- Inside the WP-55T there are components that cause heat buildup (such as thermal print head and heat roller); you should be concerned with air circulation.
- Located on the left side is the door you open and close when replacing ribbons. Allow sufficient space for accessing this door (a free space of more than 30cm is needed).
- Do not block the exhaust opening in the right side and the intake opening in the left and rear sides with walls or other obstacles (a free space of more than 10cm is needed).



Heat trapped inside the enclosure might result in serious injury to yourself or others as well as damage to the unit and degradation of print quality. Be sure to allow air circulation through the exhaust and intake openings at the lateral and rear sides.

- The heater voltage selector switch is preset at the factory as follows.
For the U.S. and Canada
The Heater Voltage Selector Switch is preset to “100-120V” at the factory.
For Europe
The Heater Voltage Selector Switch is preset to “220-240V” at the factory.
To locate the heater voltage selector switch, refer to the label printer P-55 instruction manual.
Make sure the selector switch is set according to your local line voltage. **If this switch is not set correctly, the unit may malfunction.**
- Make connections and operate the unit by following instructions provided in this manual.
- Turn off the computer and all the units connected to it before removing or moving the WP-55T.
- Do not disassemble this product.
- In case you need to transport this product, be sure to use shipping materials to prevent product damage during transportation.

Introduction

Attention to heat buildup

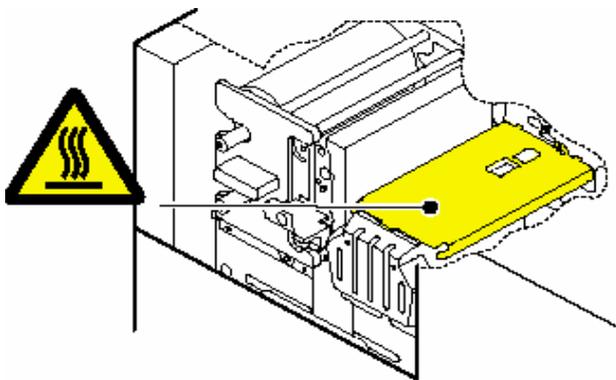
You have to pay attention to areas indicated by the hazardous heat warning label. These areas are very hot while the power is turned on or just after the power is turned off.



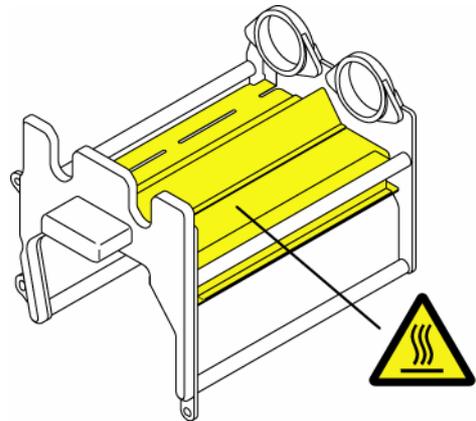
* The temperature is as high as about 30 to 35 °C at the ribbon cartridge area when the unit is in operation and just after the power is shut off to the unit.

The temperature at the heat cover is as high as about 70 to 80 °C. Touching these areas might cause a burn or other injury.

(The temperature at these areas drops to about 30 °C or below about 40 minutes after the power is shut off to the unit.)



Heat cover area



Ribbon cartridge area

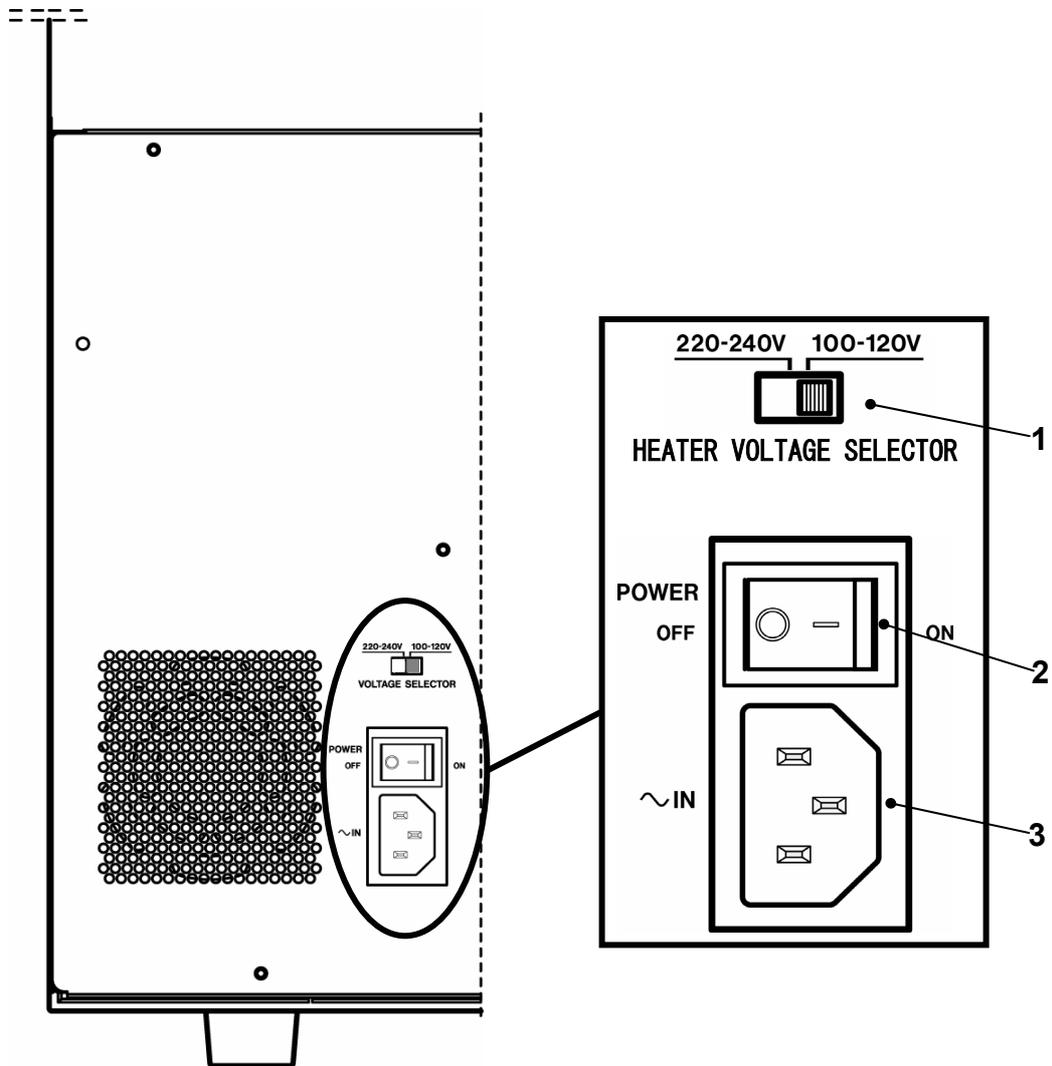
CAUTION

Keep your fingers or clothes such as sleeves away from the tray while it is opening or closing. Failure to follow this instruction may cause your fingers or part of your body to get caught in the tray and injured.

DO NOT turn the WP-55T on without removing the shipping materials from the WP-55T. Failure to follow this instruction may cause the WP-55T to malfunction.

Identifying Parts and Functions

Rear Side (Power Switch/Heater Voltage Selector Switch)



1 Heater Voltage Selector Switch

This selects the voltage to supply to the internal heater.
Selecting a wrong voltage may cause the unit to malfunction.

For the U.S. and Canada

The Heater Voltage Selector Switch is preset to “100-120V” at the factory.

For Europe

The Heater Voltage Selector Switch is preset to “220-240V” at the factory.

2 Main Power Switch (* 1)

This rocker switch turns the power to the unit on and off. To turn on the unit/printer, press the “-” end of the switch. To turn off the unit/printer, press the “O” end.

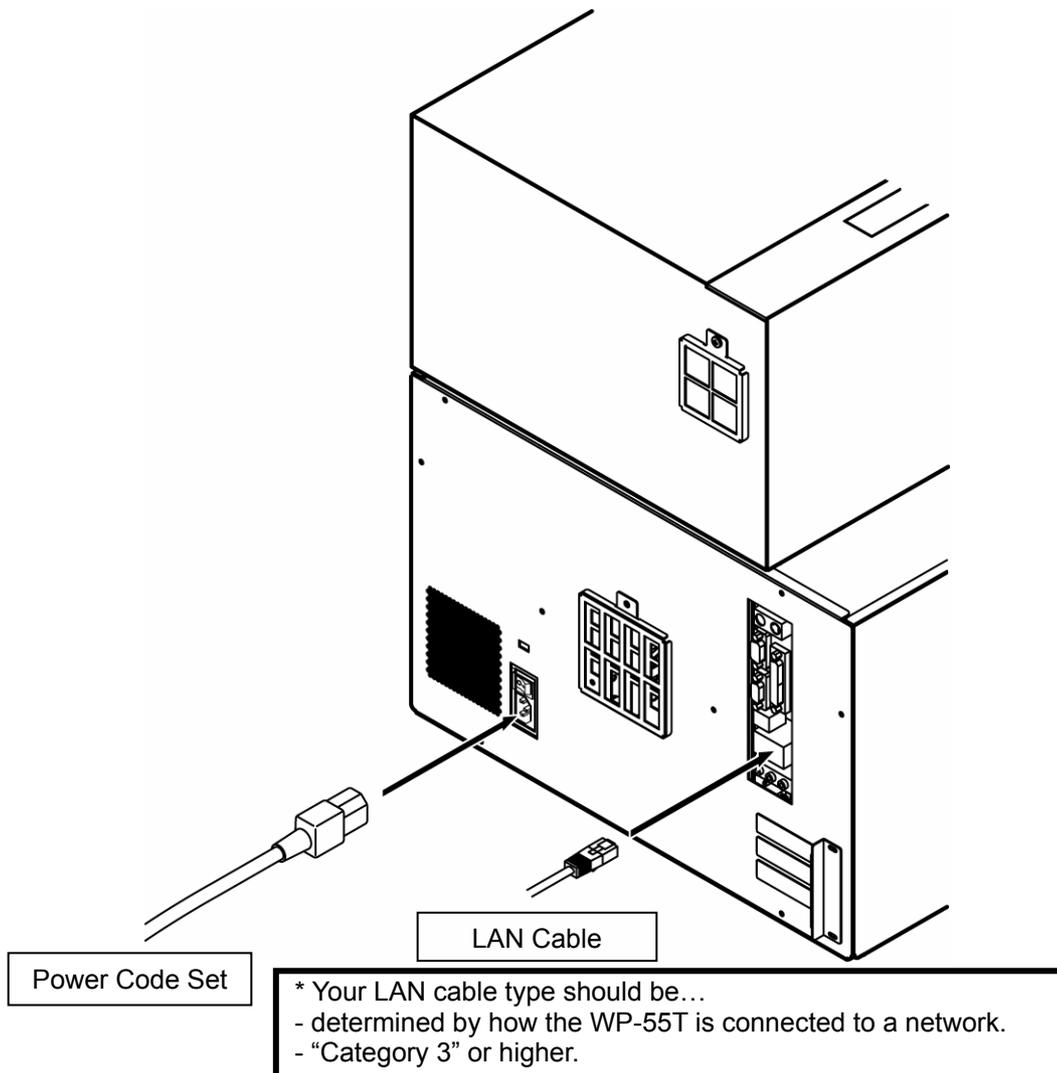
3 Power Input Socket (* 1)

To supply AC power to the unit, plug in here the power code included in the WP-55T package.

*** 1 To drop the temperature inside the unit, the fan continues to revolve for about 10 to 20 minutes after the standby/on switch on the front panel is turned off. For this interval of time, do not turn off Main Power Switch or do not disconnect the power code from Power Input Socket.**

Cable Connections

Connecting your computer and WP-55T (Power Input Socket on Rear Side/Interface)



CAUTION

- * Make sure that Main Power Switch has been pressed to the OFF position (with "O" end of the switch pressed) before connecting the power code set to Power Input Socket.
- * For U.S.A. and Canada, the Heater Voltage Selector Switch is preset to "100-120V" at the factory. For Europe, the Heater Voltage Selector Switch is preset to "220-240V" at the factory. Select the appropriate voltage for your area.
Selecting a wrong voltage may cause the unit to malfunction.

*NOTE

To plug in the product, make sure you select the power plug that fits into your wall outlet from among the provided power plugs. Using any power plug that does not fit into your outlet may cause the product to malfunction or cause fire.

- * Make sure again that the shipping protection materials and heat roller fixing bar have been removed. Then, plug the end of the power code into a wall outlet.
- * Select the LAN cable type according to the network connection you have made for the WP-55T.

WARNING

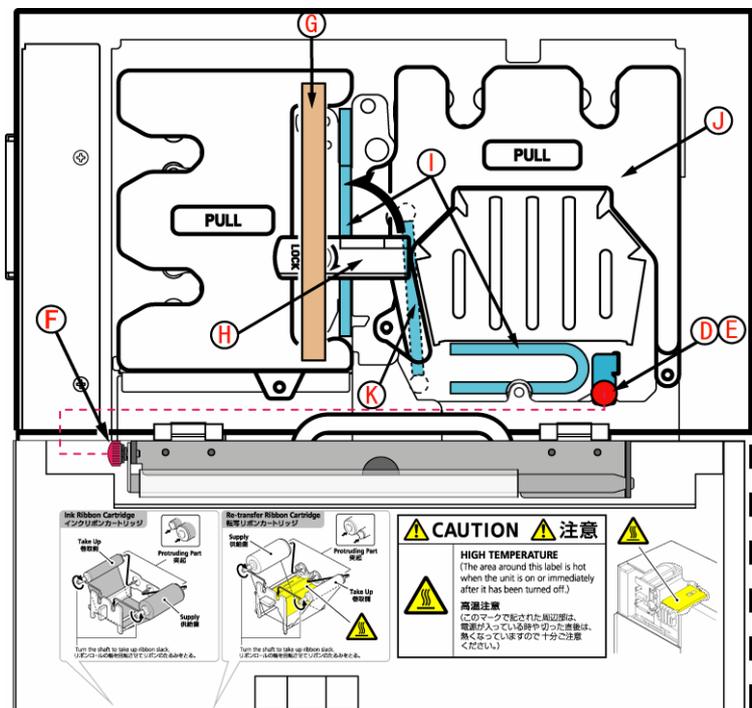
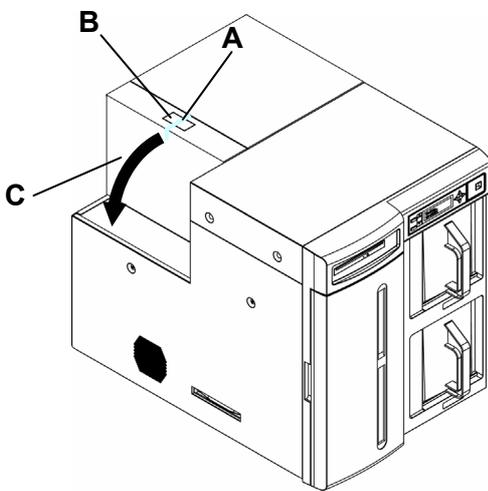
- * **DO NOT** turn on the power to the unit before removing the shipping protection materials and heat roller fixing bar; otherwise, the unit may be damaged.

Removing & Installing Shipping Protection Materials



CAUTION

- To prevent the product from being damaged in shipment, cushioning materials and fixing metal are used to secure the internal parts to the unit. Make sure all those protection materials are removed before use.
- For the future shipment, keep the fixing metal and packing in the packaging box along with packing materials.
- To prevent the product from being damaged in shipment, make sure you install all shipping materials on the WP-55T in reverse order to removal of the shipping materials.
- This product internally reaches a high temperature when in use. To install the shipping materials on the unit, leave it turned off for a while (1 hour) to cool it off completely.
- Make sure both ink ribbon and transfer ribbon are removed before installing the shipping protection materials on the unit.



- 1) Peel off the adhesive tape **A** from the top left of the unit and press the unlock button **B** to open the side door **C**.
- 2) Loosen the screw **D** and pull out the metallic bar **E**. Insert the removed metallic bar into position marked **F** to keep it for future use.
- 3) Peel off the adhesive tape **G**, flip up the lock lever **H** to unlock the ribbon cartridges and remove the two cushions **I** by pulling them toward you.
- 4) Pull halfway the ribbon cartridge **J** so that you can remove the cushion **K**. Then, push the ribbon cartridge **J** back into place.
* You may want to keep the cartridge removed to load ribbons into the cartridges later.
- 5) Flip down the lock lever **H** to lock the ribbon cartridges in place and lift up the side door until it locks.

CAUTION

Do not try to forcibly close the side door without flipping down the lock lever; otherwise, the side door may be damaged.

Getting Started

Booting Up (Switching on Power to WP-55T)

- **Getting WP-55T Ready**

You have to first complete the preparatory steps explained in the following sections.

- **Cable Connections**
- **Removing & Installing Shipping Protection Materials**
- **Notes about Using Ink & Transfer Ribbons**

- 1) After completing the preparatory steps, press the ON (–) end of the rocker power switch located on the rear panel.
- 2) Press on the STAND-BY/ON switch on the front panel.

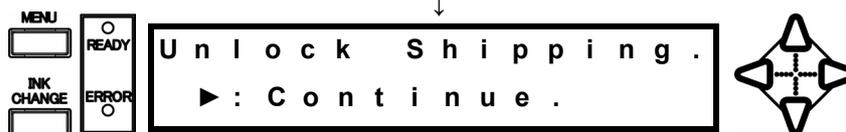
CAUTION

Before getting the WP-55T started for the first time

- * Make sure you unpack the package and remove shipping materials from inside of the unit; turning on the WP-55T with shipping materials left installed may cause the unit to malfunction.

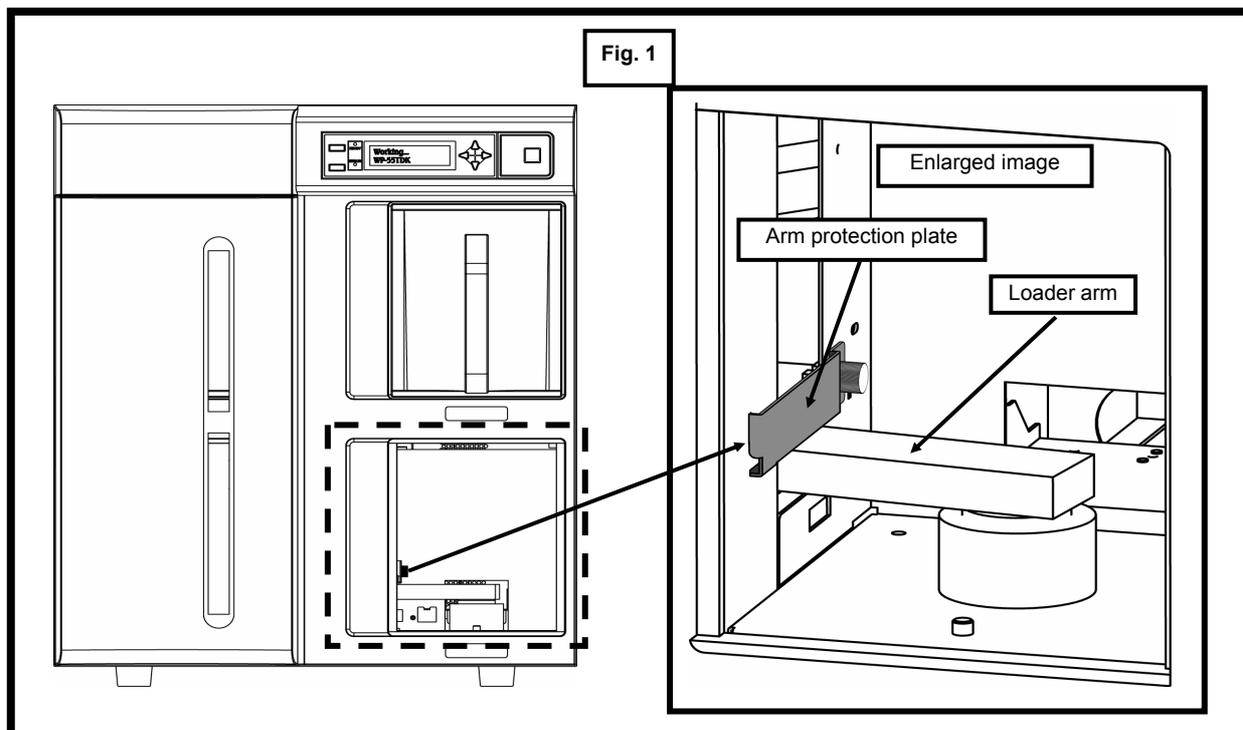
- 3) **First Start-up After Unpacking**

When powered up, the display on the front panel indicates the message as shown below.
(STAND-BY/ON)



Then, refer to **Fig. 1** and remove the arm protection plate from the RMS 0 tray. (RMS stands for Record Media Stacker tray.)

While you are removing the arm protection plate, the message “Unlock Shipping” blinks on the display.



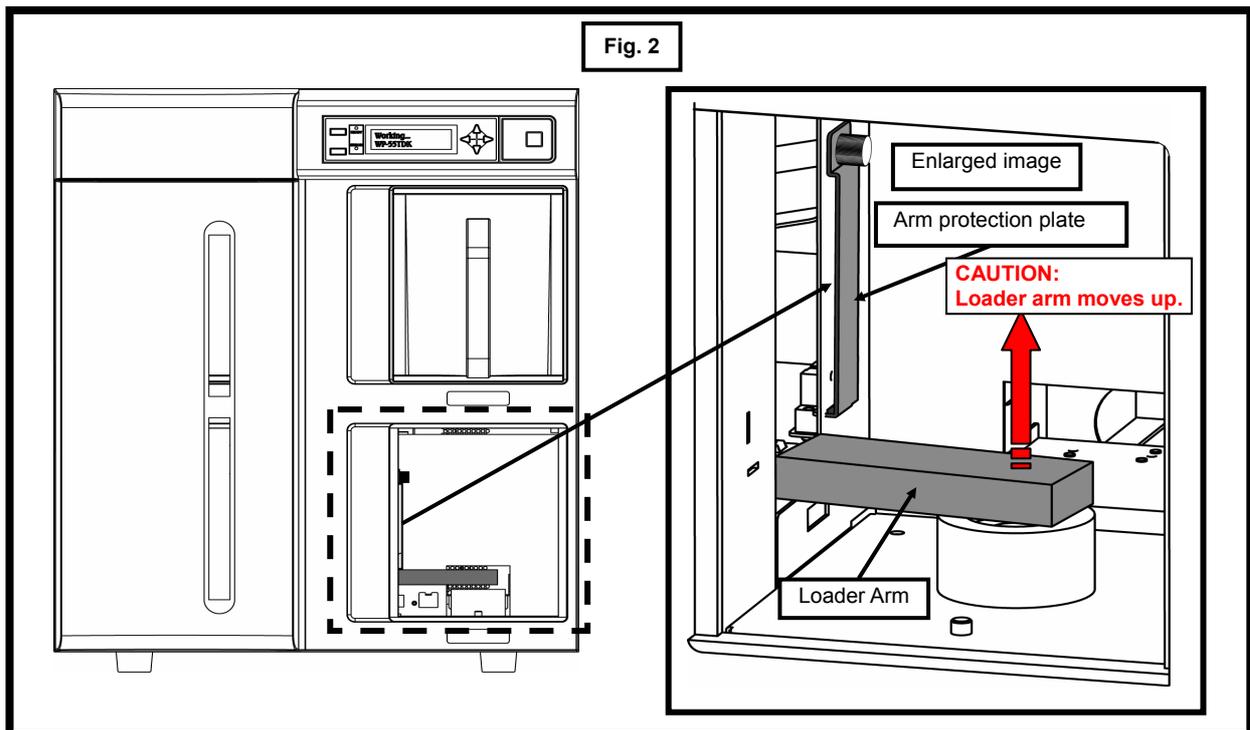
Getting Started

- 4) Store the removed arm protection plate as shown in **Fig. 2** below.
- * The area for storing the arm protection plate has cut-outs. When you install the plate in the area, make sure that the plate fits into the cut-outs.
 - * Until you complete installation of the arm protection plate in the specified area, the WP-55T does not perform the next action, with the message "Unlock Shipping" blinking.

Check the screw that secures the arm protection plate for looseness. If the screw is secured tightly enough, pull your hand out from inside the tray, make sure that the unit is ready for safe operation, and then press the Enable Button "▶."

CAUTION

* Pressing the Enable Button "▶" lifts the arm. Make sure you keep your face and hands away from the inside of the tray for your own safety.



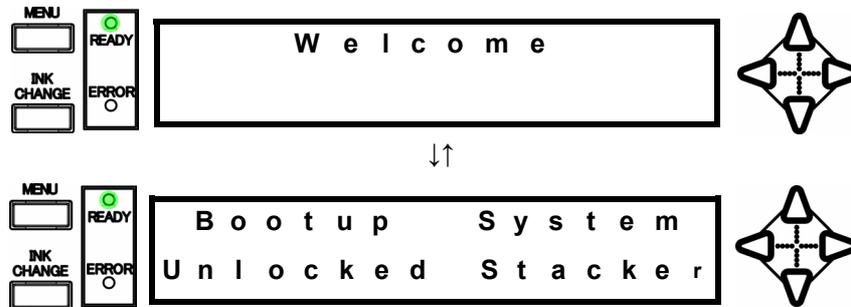
Getting Started

- 5) The arm moves up and the WP-55T starts the boot-up process.

Upon completion of the boot-up process, the display indicates the message as shown below and the WP-55T is ready for operation.

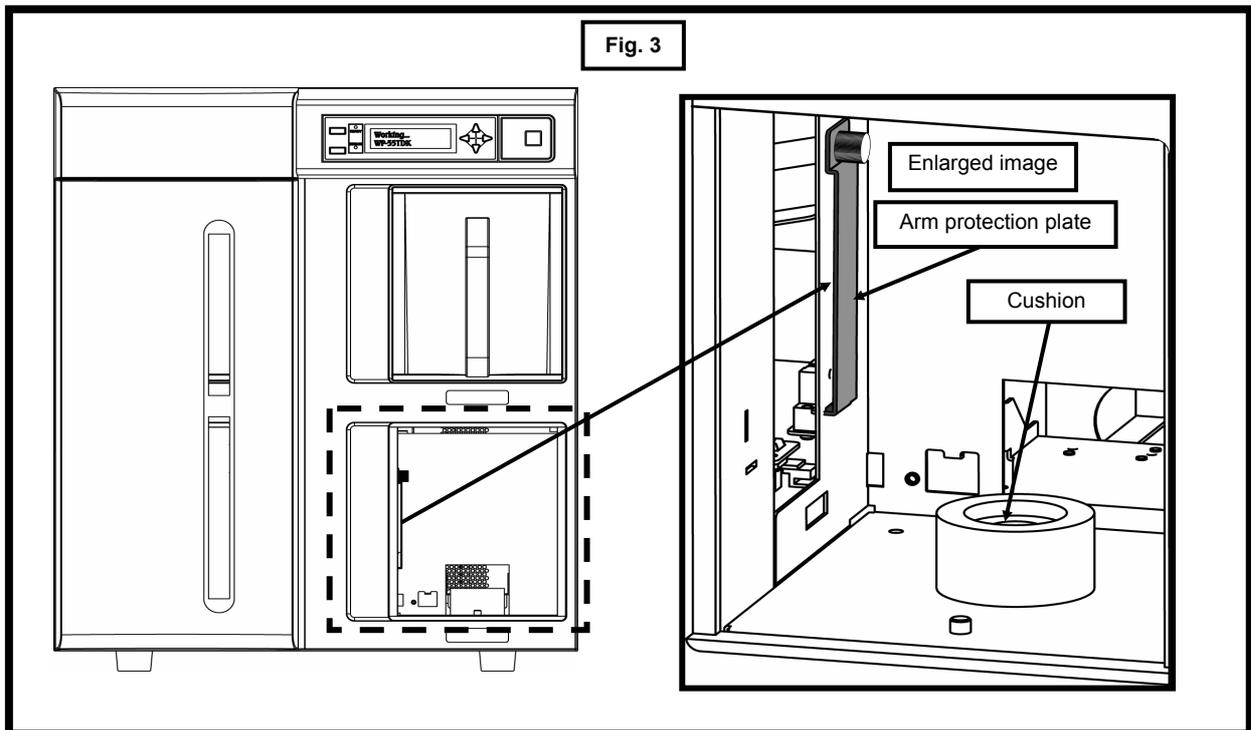
* At this stage, the message "Unlocked" blinks on the display since no stackers are installed in the trays.

* The READY lamp on the front panel comes on.



- 6) Now, remove the shipping cushion, shown in Fig. 3, from the RMS 0 tray.

* Save this cushion and other shipping materials together in case you need to ship the WP-55T in the future.

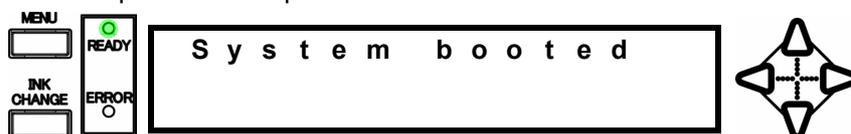


- 7) Install the media stacker in each tray.

* After all the stackers have been installed in the trays, the message "Unlocked" does not appear any more.

- 8) When the WP-55T completes the startup operation, the display indicates the following message and the WP-55T switches to Ready mode.

* The READY lamp on the front panel comes on.



Now the first startup process is completed.

Notes about Using Ink & Transfer Ribbons

- Use genuine TEAC ribbons.
- Carefully handle the ribbons to prevent them from being scratched or broken.
- Make sure that you remove the ribbon cartridges from the unit when replacing the ribbons. The ribbons and components involved may be damaged if you attempt to replace the ribbons with the cartridges installed in the unit.
- PHOTO ink ribbon is wound on a white shaft while COLOR ink ribbon is wound on a black shaft. Don't confuse the two ribbons.
- The ink ribbon is identifiable by its colored film roll and the transfer ribbon by its transparent film roll.
- To use a black ink ribbon, you need an optional purpose-designed cartridge.
- Store ribbons as they were originally packaged even after opening the packs.
- Avoid high temperature, high humidity and direct sunlight. (allowable temperature range: 5-30 °C; allowable humidity range: 20-80%)
- Prevent condensation from forming on ribbons while they are stored.
- For high print quality, it is recommended ribbons be used up within 6 months of first opening the packs.
- Store ribbons away from dust once opening the packs.
- Do not apply any shock to the product unpacked. Applying shock to the product may misalign the spools of ribbons, resulting in improper printing.

CAUTION

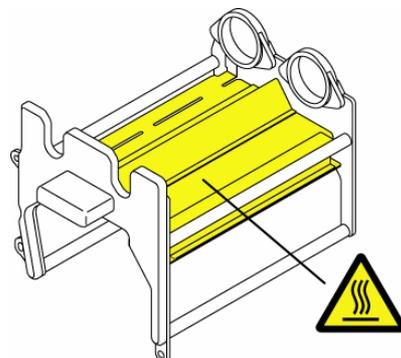
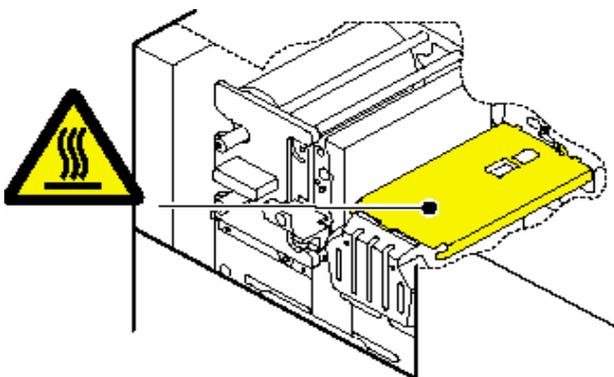
- The side door is designed so as not to close unless you lock the ribbon cartridges in place with the lock lever. If you try to forcibly close the side door, the side door might be damaged.
- Caution in ribbon replacement: It is imperative to take out the cartridge from the WP-55T. If you try to force the ribbon replacement with the cartridge installed, the ribbon or components involved might be damaged.
- Avoid dust to store a ribbon installed in the ribbon cartridge.



When you follow the steps below with the WP-55T turned on, never touch anywhere indicated by the hazardous heat warning label; otherwise, you may get burned.

* The temperature of the ribbon cartridges reach about 30 to 35°C while the unit is in operation or right after the power is shut off.
The temperature of the heat cover reaches about 74 to 80°C; if you touch the heat cover or the area nearby, you may get burned or injured.

(To lower the temperature to 30°C or below, leave the unit as it is for about 40 minutes right after the power is shut off.)



CAUTION

If you turn off the WP-55T within 10 seconds after a print operation is completed, the thermal head may not be moved back in place. With the thermal head not in place, you cannot remove the ribbon cartridges from the WP-55T. If you try too hard to remove them with such a condition, the WP-55T may be damaged. Make sure that you keep the unit running **more than 10 seconds after the print operation is completed** before you turn the unit off.

Cleaning Printer Parts

It is important for you to clean the following parts in order to maintain print quality

1. **Platen roller (when replacing transfer ribbon)**
2. **Thermal head (when replacing ink ribbon)**
3. **Ink cartridge guide roller and guide plate (when replacing ink ribbon)**
4. **Cooling fan filter**

CAUTION



To clean the platen roller and thermal head, use our cleaning kit included with our package.

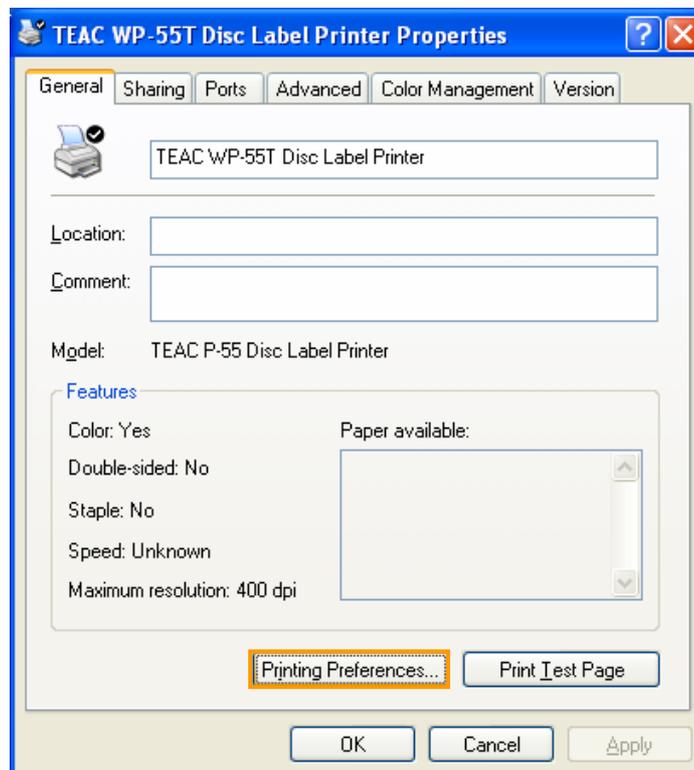
(Cleaning kit includes 2 cleaning plates ^(Note1) and 1 cleaning agent.)

1. Cleaning the platen roller (when replacing the ink ribbon, perform the following with the power ON)

- 1) Point to Start and Control Panel, and then click to open Printers and Faxes.
- 2) Locate and right-click the icon for the printer that you use with the WP-55T. Select "Properties" from the menu as shown below.

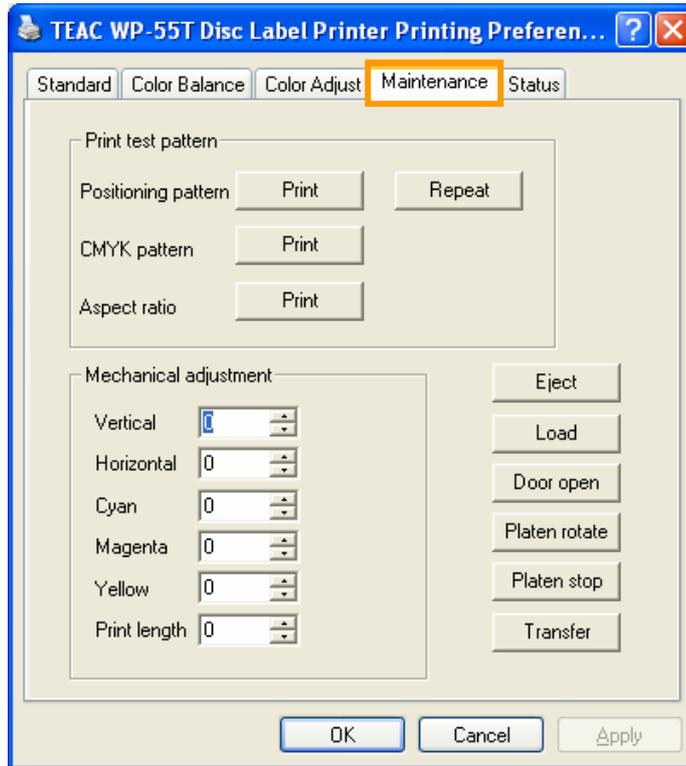


- 3) Press "Printing Preferences".

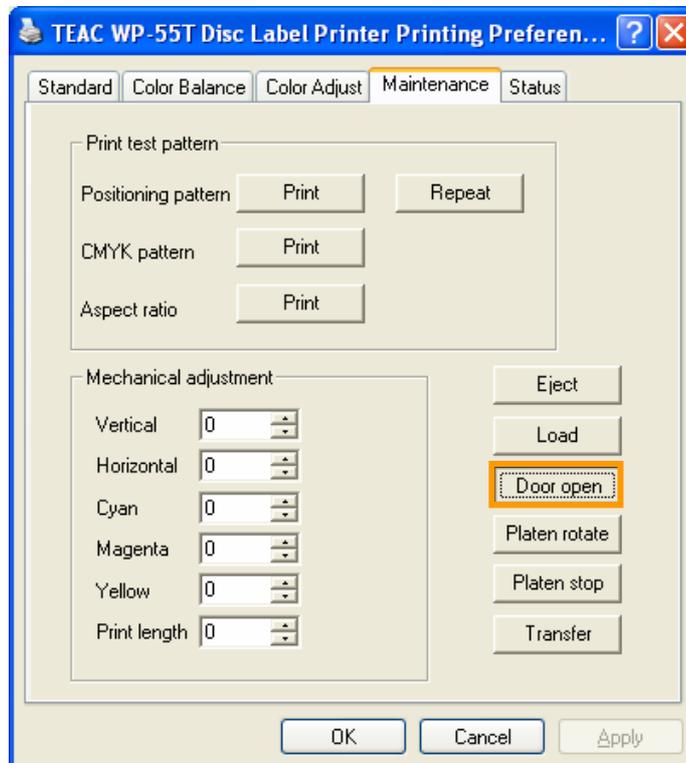


Cleaning Printer Parts

- 4) Select the "Maintenance" tab from the Printing Preferences window that appears.



- 5) Click "Door open" on the "Maintenance" tab.

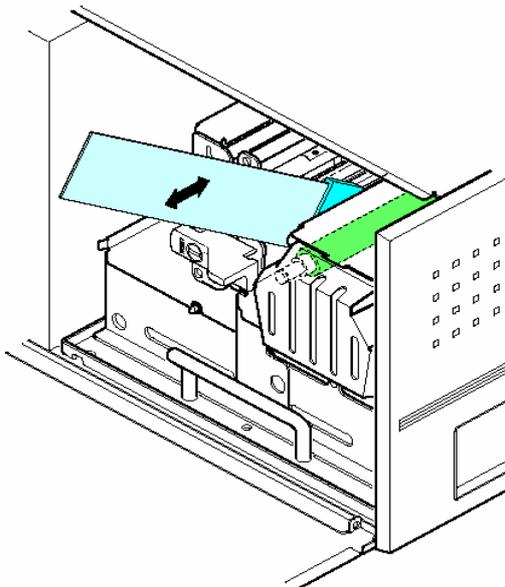
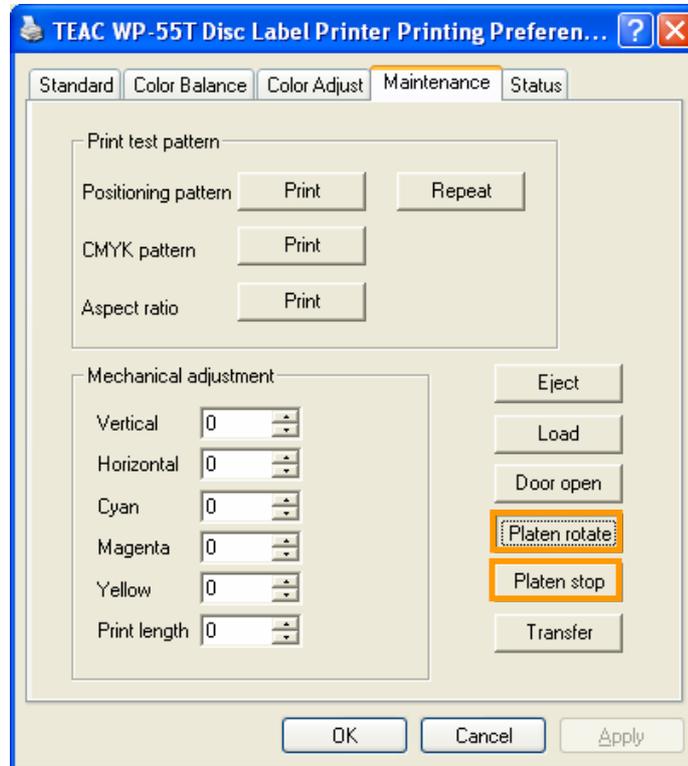


- 6) The side door lock clicks. Then, press the side door unlock button and open the side door.

* If you leave the unit as it is 20 seconds after the door is unlocked, the side door relocks automatically. To unlock the door again, press the [Door open] Button.

Cleaning Printer Parts

- 7) Open the side door and flip up the lock lever that secures the ribbon cartridges in place to unlock the side door.
- 8) Pull the ribbon cartridges to remove the cartridges from the unit.
- 9) With the cartridges removed, flip down the lock lever to set the lock lever in lock position.
- 10) Press "Platen rotate" on the "Maintenance" tab to rotate the platen roller.

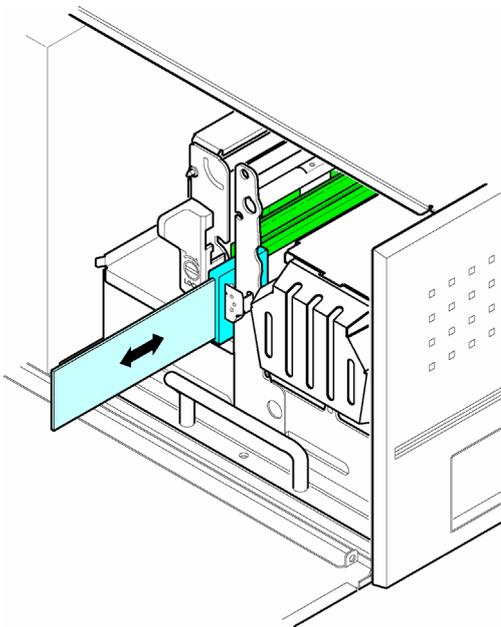
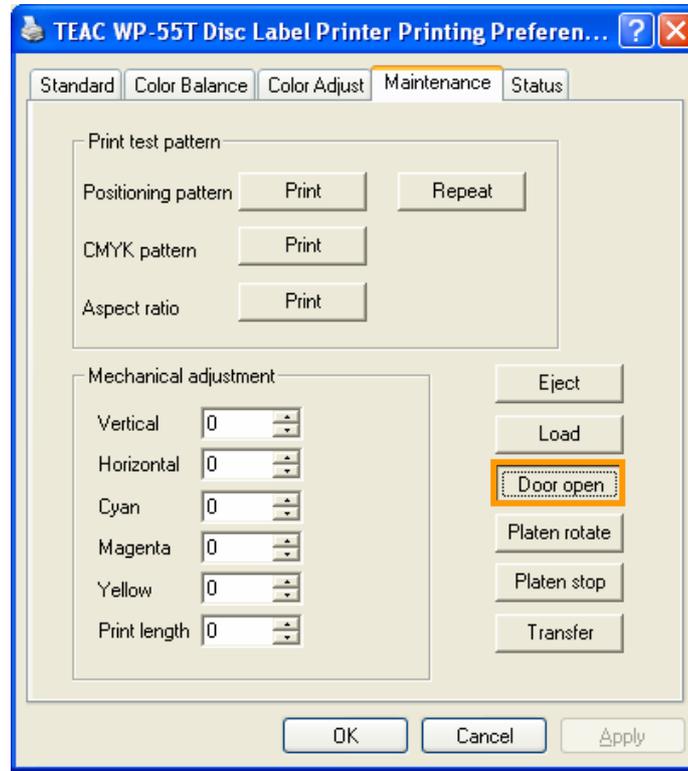


- 11) With the platen roller rotating, apply the cleaning plate moistened with the cleaner to the rotating platen roller and slide in and out the cleaning plate several times.
*Once a cleaning plate is used for the platen roller, the plate should be used for the platen roller only; do not use the same plate for cleaning the thermal head. Applying the same plate both to the platen roller and thermal head results in printer failure or poor print quality.
- 12) To finish cleaning, flip up the lock lever to set the lever in unlock position. Then, install the ribbon cartridges back in the unit and flip down the lock lever to lock the cartridges.
- 13) Close the side door.
- 14) To stop the platen roller from rotating, press "Platen stop" as show above.

Cleaning Printer Parts

2. Cleaning thermal head

- 1) Press "Door open" on the "Maintenance" tab.



- 2) Press the button on the top side of the unit to open the side door. Flip up the lock lever to unlock the ribbon cartridges
- 3) Pull the ribbon cartridges to remove them from the unit. Apply the cleaning plate ^(Note1) moistened with the cleaner to the thermal head and slide in and out the cleaning plate several times.
* Always use clean surface of a cleaning plate for cleaning. Applying an unclean surface of a plate to the printer results in printer failure or poor print quality.
- 4) To finish cleaning, flip up the lock lever to set the cartridges in unlock position. Then, install the ribbon cartridges back on the unit and flip down the lock lever to lock the cartridges.
- 5) Close the side door.

*Maximum number of times of cleaning plate use (for your reference)
- 10 for platen roller (5 for each side)
- 10 for thermal head (5 for each side)

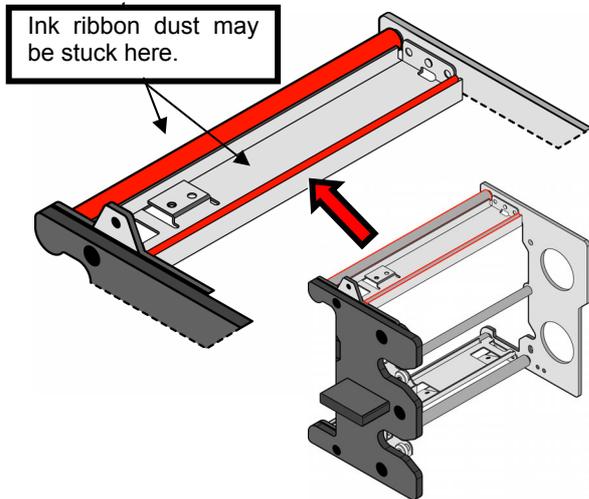
- Note1
- Do not use any cleaning plates that have cracks or flaking in the sponge. Failure to follow the instruction results in printer failure or poor print quality.
 - The cleaning agent and plates are not included in our regular package. Available as a set.

Cleaning Printer Parts

3. Cleaning ink cartridge guide roller/ guide plate (when replacing ink ribbon)

There may be some dirt such as powdery white dust stuck on the ink cartridge guide roller or guide plate as shown in the area colored red below.

If you find any dirt on the guide plate when replacing the ink ribbon, wipe it from the guide plate using our cleaning plate or some other commercial wiping paper moistened with our specified cleaning



* Once a cleaning plate is used for the guide roller/guide plate, do not use the same plate for cleaning the thermal head. Applying the same plate both to guide roller/guide plate and thermal head results in printer failure or poor print quality.

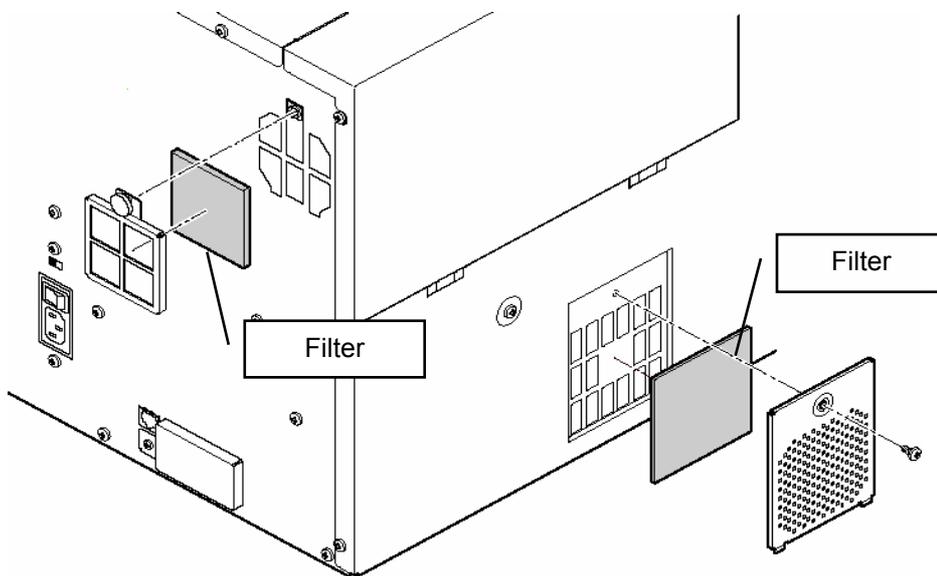
* Notice the guide roller/guide plate to be cleaned is the one installed in the take-up side of the ink ribbon.

4. Cleaning cooling fan filter (every half year)

Remove the large screw that holds the grid in place and take out the filter from the grid.

Wash the filter with water and dry it thoroughly. Then, put the grid and filter back in the unit.

Use an appropriate brush or toothbrush to sweep the tray clean.



	<p>CAUTION: Before you attempt to clean the filter, it is imperative to shut down the WP-55T, wait for the cooling fan to stop and unplug the power cord. (To drop the temperature inside the unit, the fan continues to rotate for about 10 to 20 minutes after switching off the power.)</p>
	<p>CAUTION: Areas indicated by the hazardous heat warning label are very hot while the power is turned on or just after the power is shut off.</p>