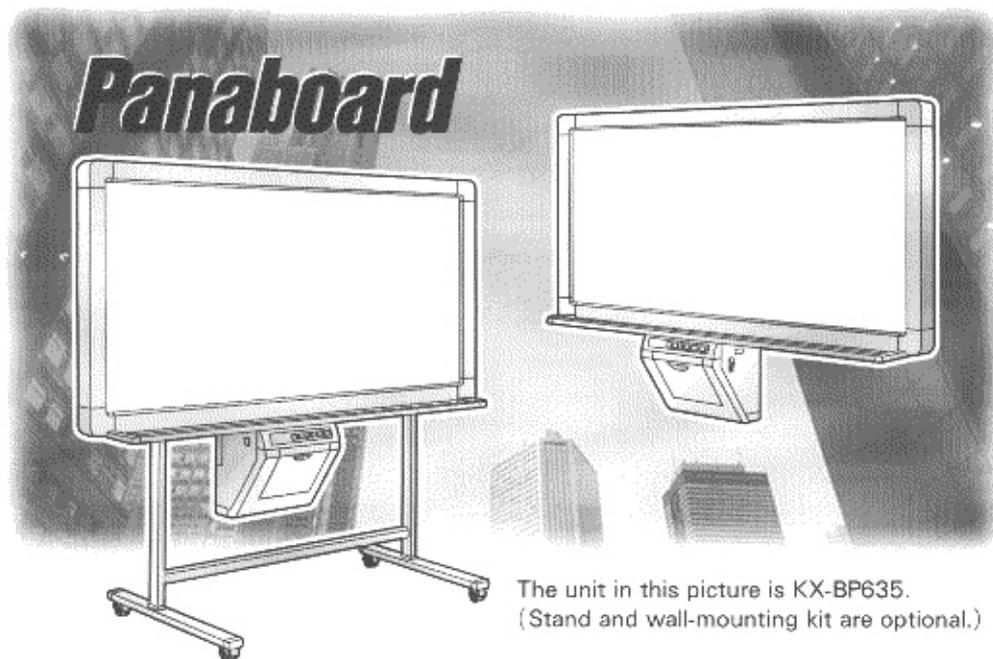


Panasonic

Electronic Print Board Operating Instructions

with Installation Manual
(for qualified service personnel)

Model No. **KX-BP535**
KX-BP635
KX-BP735



The unit in this picture is KX-BP635.
(Stand and wall-mounting kit are optional.)

- Before operating this unit, please read these instructions completely.
After reading them, preserve them carefully for future reference.
Because of the nature of the print film, all the printed text will remain on the film.
- This product is designed for installation by a qualified servicing dealer.
Installation performed by non-authorized individuals could cause safety-related problems with the operation of this equipment.
To locate the closest authorized dealer in your area, please call 1-800-447-4700.

Thank you for purchasing the Panasonic Electronic Print Board.
For optimum performance and safety, please read these instructions carefully.

Accessories

- Thermal transfer film 1
- Markers (red, black and blue) 1 each
- Operating Instructions 1
- Eraser 1
- Power cord 1
- Film cassette (Blue gearX1, Green gearsX3) 1
- Letter size copy paper 1

Things you should keep a record of

Attach your sales receipt here

For your future reference

Date of purchase

Serial number

Dealer's name and address

Dealer's telephone number

Warning Notices

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

CAUTION:

TO PREVENT RISK OF ELECTRIC SHOCK HAZARD, DO NOT REMOVE THE COVER OF THIS PRODUCT, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE SOCKET-OUTLET MUST BE NEAR THIS EQUIPMENT AND MUST BE EASILY ACCESSIBLE.

Federal Communications Commission Requirements

Note: 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.

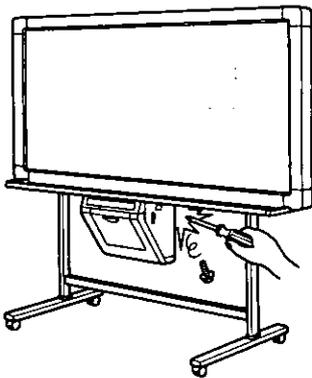
FCC Warning: To assure continued FCC compliance, the user must use only the provided power supply cord. Also, any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

Table of Contents

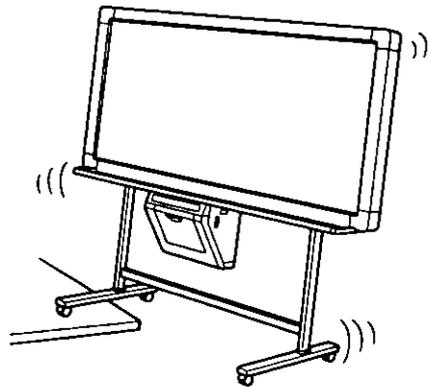
	Pages
Precautions	3
Part Names and Functions	6
● The Control Panel	7
Installing the Thermal Transfer Film	8
Loading the Copy Paper	10
Making Copies	12
● Copy Types and Procedures	13
Replacing the Thermal Transfer Film	14
Paper Jams	15
Daily Care and Maintenance	18
Troubleshooting	20
Specifications	21
● Refer to page 22 of the Installation Manual.	

Precautions

Never remove the cover, or take apart or modify the product.

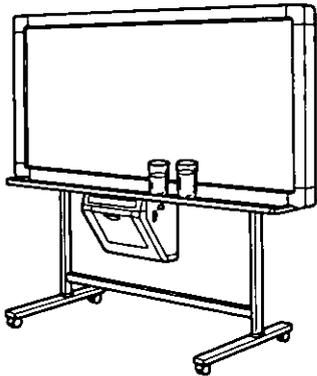


Do not position the electronic print board in a location where it is not stable.

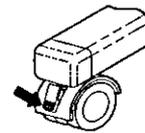


Precautions

Do not put drinks or other liquids on the tray.

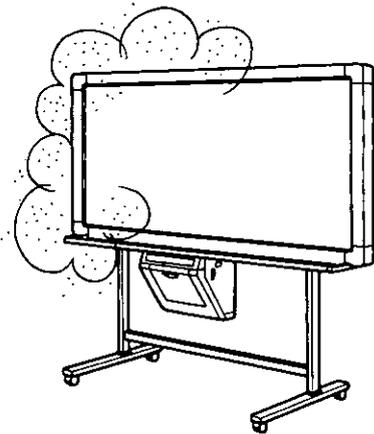


After installing or moving the electronic print board, lock the casters.



Locking the casters
(Push this side)

Do not use the electronic print board in an excessively humid or dusty location.



If the electronic print board is not going to be used for an extended period of time (e.g., during extended holidays), turn off the power and remove the plug from the wall outlet.

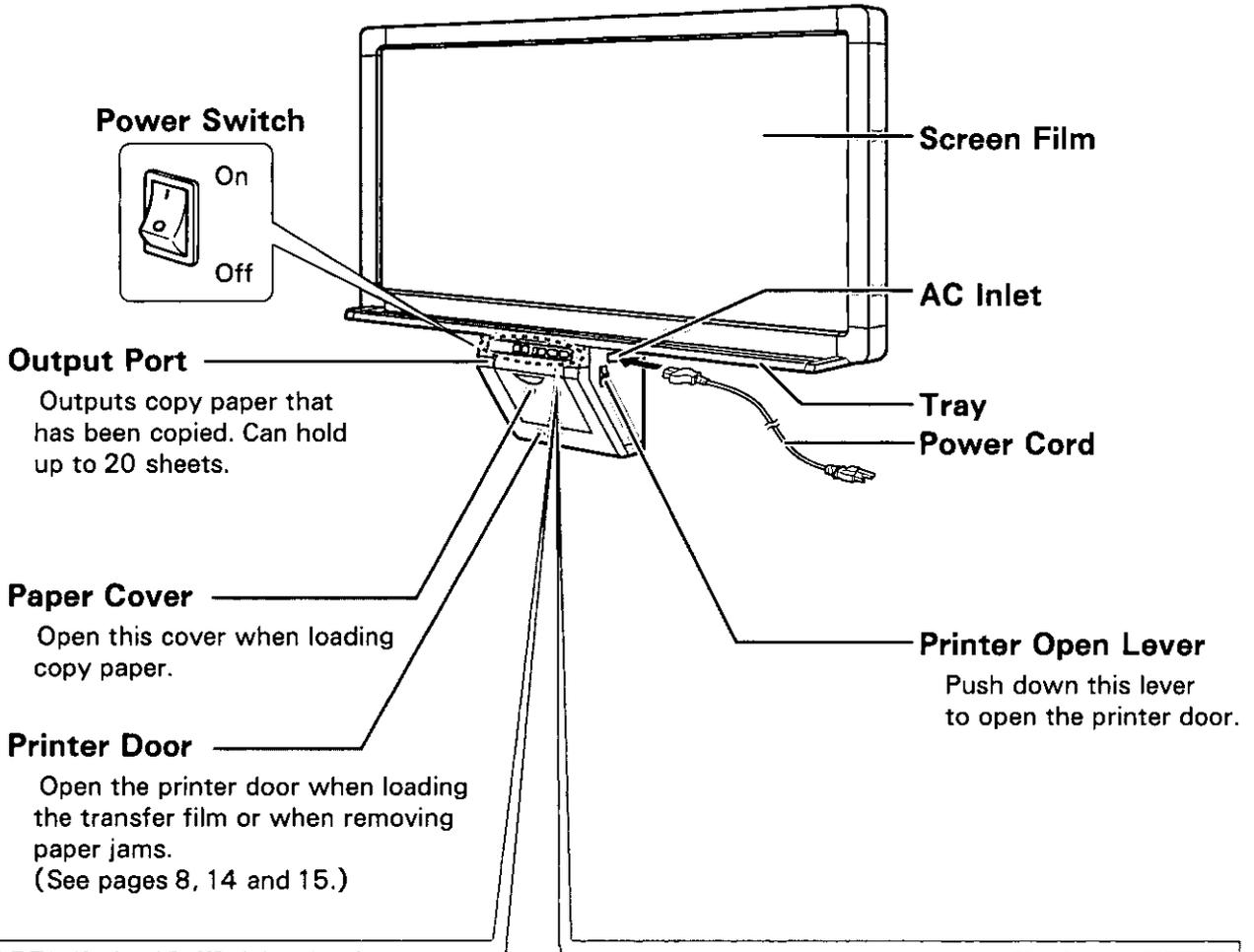


Installation

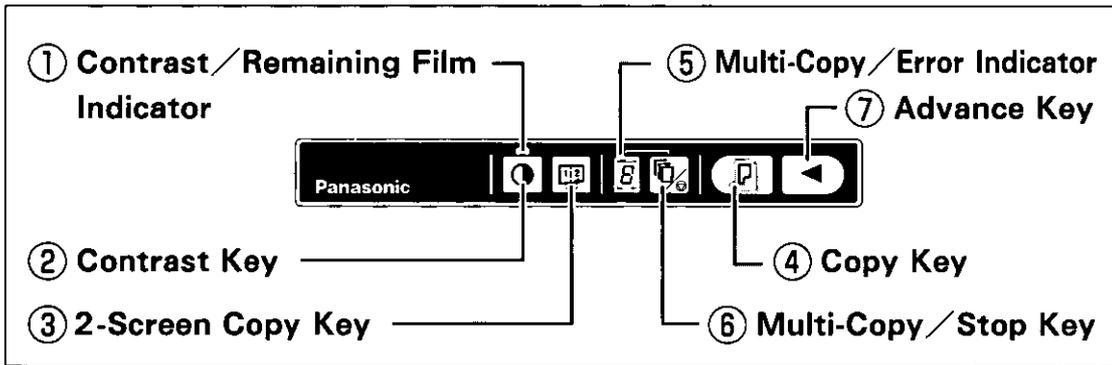
- Do not install the unit where it may be exposed to direct sunlight, near heating equipment, or near air-conditioning vents as this may cause stretching and/or discoloration of the screen.
- Do not install the unit in locations having a temperature of 10°C (50°F) or lower or where the temperature may change suddenly as this may disable the unit's ability to make copies.

<p>Screen Film</p>	<ul style="list-style-type: none"> ● Make thick, dark lines inside the copying area. Note that any writing inside the shaded area in the figure cannot be copied. (Dimensions listed in the brackets are for the KX-BP635.) <div style="text-align: center;"> <p style="text-align: center;">25 mm (1")</p> <p style="text-align: center;">35 mm (1 3/8") [41 mm (1 5/8")]</p> <p style="text-align: center;">Copying area</p> <p style="text-align: center;">35 mm (1 3/8") [41 mm (1 5/8")]</p> <p style="text-align: center;">25 mm (1")</p> </div> <ul style="list-style-type: none"> ● Do not allow writing to remain on the screen for an extended period of time as it will become harder to erase. ● Do not touch the screen, write with markers, or erase while the screen is moving as this may result in damage to the unit. ● Do not attach chart paper to the screen film for copying with the KX-BP735 as this may result in damage to the unit.
<p>Markers, Erasers and Thermal Transfer Film</p>	<ul style="list-style-type: none"> ● Use only the included or designated dry erase markers, erasers and thermal transfer film. (See page 21.) Use of accessories other than those included or designated (such as oil-based markers) may damage the screen or result in hard-to-erase markings. ● Do not store the thermal transfer film in a location subject to extreme changes in temperature (such as near air conditioning or heating equipment) as this may cause condensation on the thermal transfer film and result in poor print quality and/or paper jams. ● The length of one roll of the designated thermal transfer film (Replacement film : KX-BP081) is approximately 100 meters (328 ft.). One roll of thermal transfer film can print approximately 300 copies. Note that the number of copies possible may differ depending on the operating conditions. Also note that the length of the thermal transfer film supplied with the unit is shorter than the replacement film roll and is only approximately 20 meters (65.6 ft.). ● Store markers horizontally as vertical storage may stop the ink from coming out.
<p>Power Cord</p>	<ul style="list-style-type: none"> ● When moving the unit, disconnect the power cord from the electrical power socket and from the printer's power connector and coil it for transportation as stepping on the power cord or having it catch on something during movement may result in damage to the cord.
<p>Replacing the Thermal Transfer Film</p>	<ul style="list-style-type: none"> ● Dispose of the used thermal transfer film in a trash receptacle for burnable trash. ● A negative of the copied image will remain on the thermal transfer film. (To protect the security of your information, we recommend cutting up the used thermal transfer film with scissors or a shredder before disposing of it.)

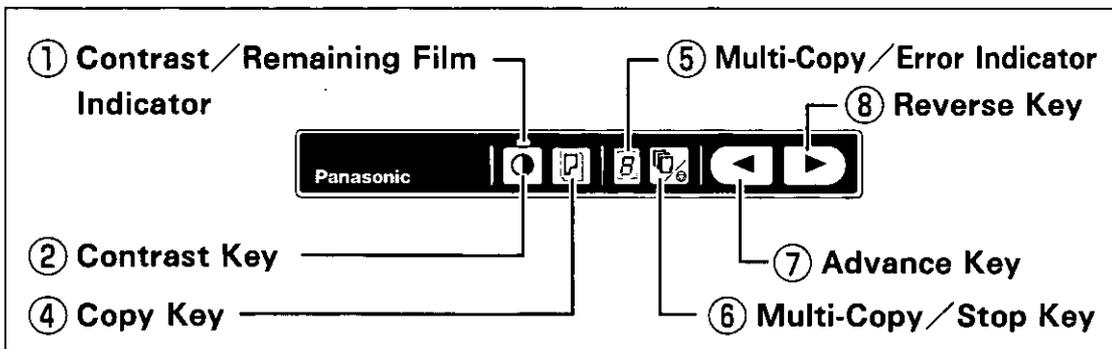
Part Names and Functions



Control Panel for KX-BP535 and KX-BP635



Control Panel for KX-BP735



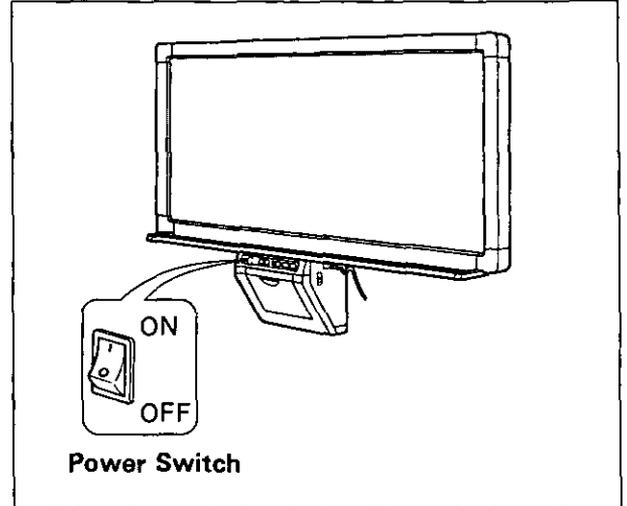
Part Names and Functions (The Control Panel)

Name	Panel	Description
① Contrast/ Remaining Film Indicator		<p>This lamp indicator notifies the user when the time to replace the thermal transfer film is approaching (estimated) and of the printing contrast used during copying.</p> <p>Indicator off : Normal printing contrast. Indicator on : Darker than normal printing contrast. Indicator flashing : *Almost time to replace the thermal transfer film. (Note that only about 15 more sheets may be copied when this indicator starts flashing.) Replacement film (KX-BP081 or KX-BP082) is separately available from the dealer where you purchased your unit.</p> <p>* The flashing indicator will go out after the power is turned off and the printer has been opened and closed. (When copying is performed, this indicator will begin flashing again.)</p>
② Contrast Key		Each time this key is pressed, the unit will alternate between normal and dark contrast modes (Normal/Dark).
③ 2-Screen Copy Key		<p>For the KX-BP535 and KX-BP635 only:</p> <ul style="list-style-type: none"> This key causes both screens to be copied on a single sheet of paper.
④ Copy Key	  (KX-BP735)	<p>This key causes the screen to be copied.</p> <p>For the KX-BP735 only:</p> <ul style="list-style-type: none"> When copying is finished, the next screen is displayed. With 4-screen continuous copying, the screen on which copying was started is displayed.
⑤ Multi-Copy/ Error Indicator		<p>This indicator displays the number of copies to be made. The display changes each time the multi-copy/stop key is pressed.</p> <p>For the KX-BP535 and KX-BP635: Example 1 → 2 → ... → 9 → 1 → ... For the KX-BP735: Example 1 → 2 → ... → 9 → !! → 1 → ... (*!! is used by the KX-BP735 to indicate 4-screen continuous copying.)</p> <p>When an error occurs, a flashing symbol will appear in this display to indicate the error status. (See page 20.)</p>
⑥ Multi-Copy/ Stop Key		<p>When making multiple copies, press this key until the desired number of copies is displayed on the multi-copy/error indicator. This key can also be pressed while multiple copies are being made to stop the copying process. The display indication changes while multiple copies are being made as shown below. After reaching 0, the display will reset to 1.</p> <p>Example: 5 → 4 → 3 → 2 → 1 → 0 → 1 (countdown display during copying)</p> <p>For the KX-BP735 only:</p> <ul style="list-style-type: none"> For 4-screen continuous copying, keep pressing the key until "!!" appears in the multi-copy/error indicator. Also press the key to stop 4-screen continuous copying at any time. The display indication changes while 4-screen continuous copies are being made as shown below. After reaching 0, the display will reset to 1. !! → !! → !! → ! → 0 → 1 (display during 4-screen continuous copying)
⑦ Advance Key	  (KX-BP735)	<p>This key advances the screen from right to left.</p> <p>For the KX-BP735 only :</p> <ul style="list-style-type: none"> Pressing this key twice will cause the screen to advance two screens from right to left.
⑧ Reverse Key		<p>For the KX-BP735 only :</p> <ul style="list-style-type: none"> This key advances the screen from left to right. Pressing this key twice will cause the screen to advance two screens from left to right.

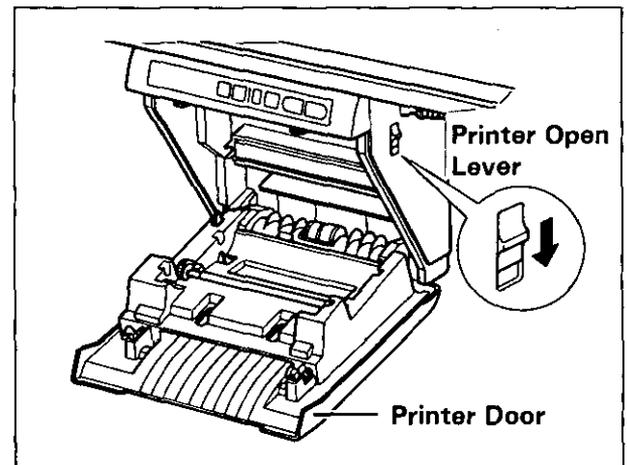
Installing the Thermal Transfer Film

Load the thermal transfer film into the film cassette and install it into the printer.

- 1 Set the power switch to on (|).
 - "E" will flash on the multi-copy/error indicator when the thermal transfer film has run out.



- 2 Push down the printer open lever and open the printer door.

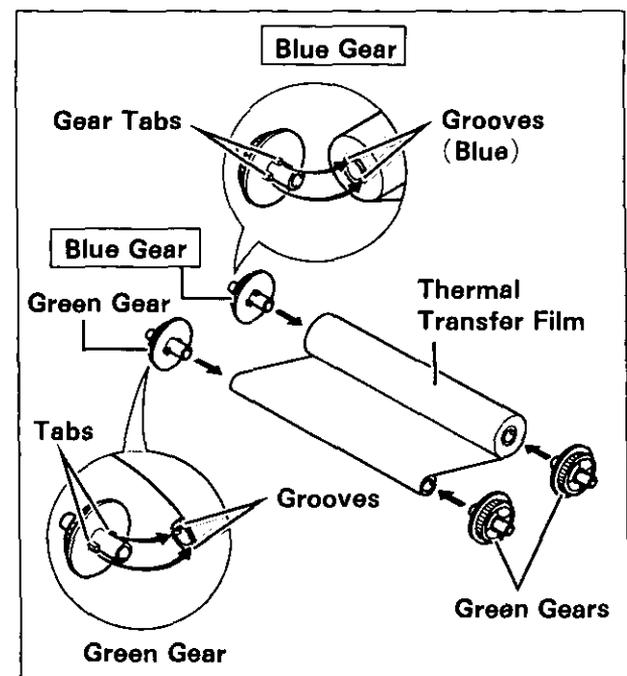


- 3 Insert the four gears into the new thermal transfer film.

- Securely align the gear tabs with the grooves in the thermal transfer film and insert them as far as they will go.

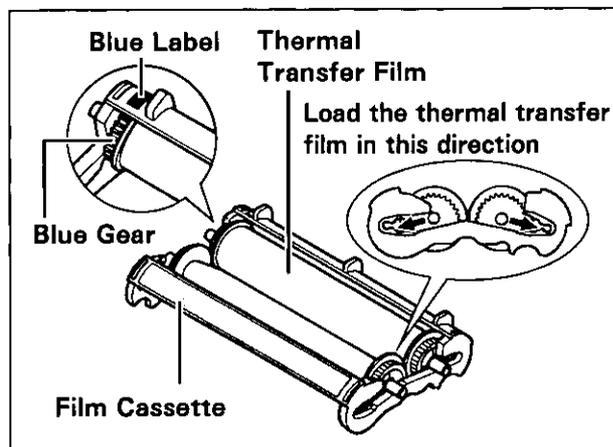
Note

- There is a blue gear and three green gears which need to be attached as shown in the figure.



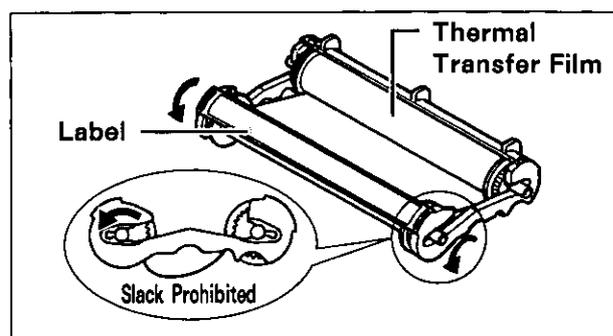
4 Load the thermal transfer film into the film cassette.

- Load the thermal transfer film into the film cassette so that the blue gear inserted in the thermal transfer film is located on the blue label side of the film cassette. Push in the direction of the arrow until you hear all four gear shafts click in place.



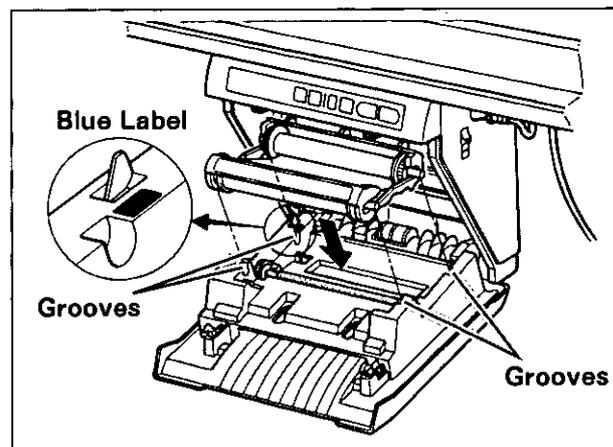
5 If the thermal transfer film has slack, take up the slack by winding the gears on the label side of the cassette in the direction of the arrows.

- The multi-copy/error indicator may flash "r" if the thermal transfer film is slack. In addition, the thermal transfer film may wrinkle, and blank (unprinted) spots or black streaks may appear on the copy paper.



6 Install the film cassette.

- Insert the film cassette into the printer so that the blue gear on the cassette aligns with the blue label on the printer and then insert the gear shafts on both sides of the cassette into the grooves inside the printer.

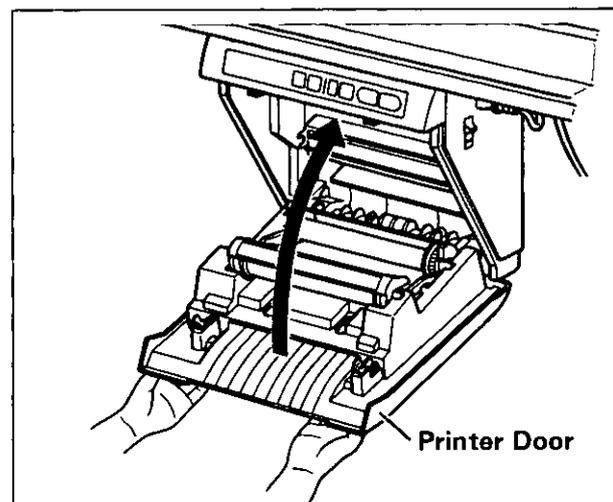


7 Close the printer door.

- Securely close the printer door by using both hands until a click is heard.
- The "r" flashing on the multi-copy/error indicator will go out.

Note

- If the flashing "r" does not go out even though the printer door has been closed, this indicates that the film cassette has not been installed properly or that there is slack in the thermal transfer film. Check the condition of the film cassette and for slack in the thermal transfer film.



Loading the Copy Paper

It is possible to load up to 80 sheets of Letter size copy paper (assuming a paper weight of 80 g / m²).

Note that only Letter paper may be used.

When the unit is first used or when "P" flashes on the multi-copy/error indicator to indicate that the unit is out of paper, load copy paper as described below.

Notes on Loading Copy Paper

Follow the guidelines below to ensure smooth and accurate printing by the unit.

- Only use Letter size copying paper having a weight of 60 to 90 g / m² as the copy paper for this unit.
- Do not simultaneously load paper of varying types and thickness as this may result in paper jams.
- Before adding the copy paper, be sure to remove all the copy paper remaining inside the unit's paper cover. (Note : The copy paper remaining inside the unit's paper cover will slightly resist being removed, but may be pulled out without problems.)
After removing the copy paper, stack the removed paper together with the new paper, fan it thoroughly, square it and reload.

DO NOT USE THE FOLLOWING TYPES OF PAPER

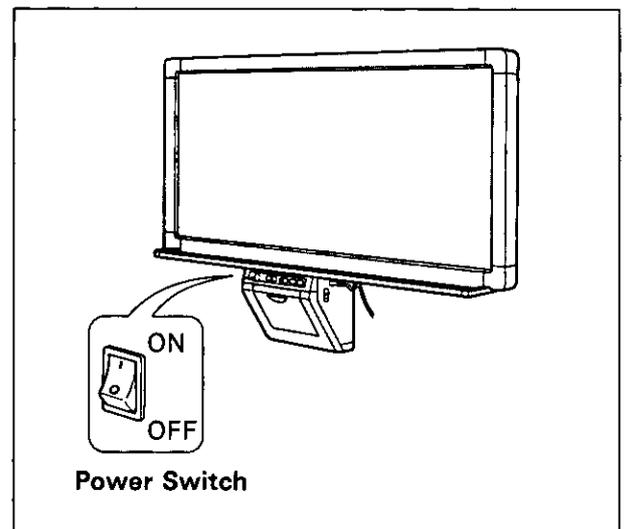
- Extremely smooth or glossy paper
- Coated paper
- Thermal paper
- Paper that is printed on one side
- Wrinkled paper, creased paper, etc.

1 Set the power switch to on (|).

- "P" will flash on the multi-copy/error indicator when the copy paper has run out.

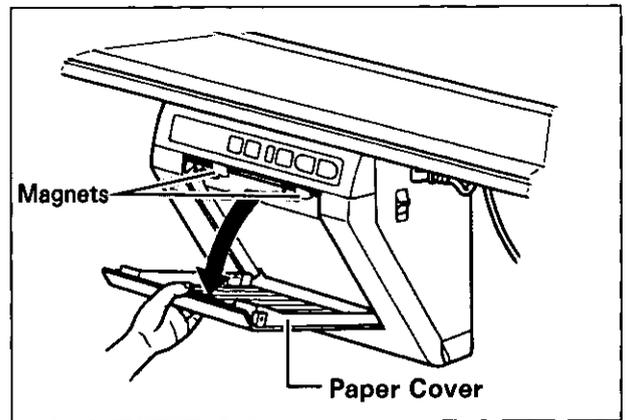
Note

- Be absolutely sure to check that the power is on when loading the copy paper as it will not load properly otherwise.



2 Pull the paper cover forward as shown in the right figure.

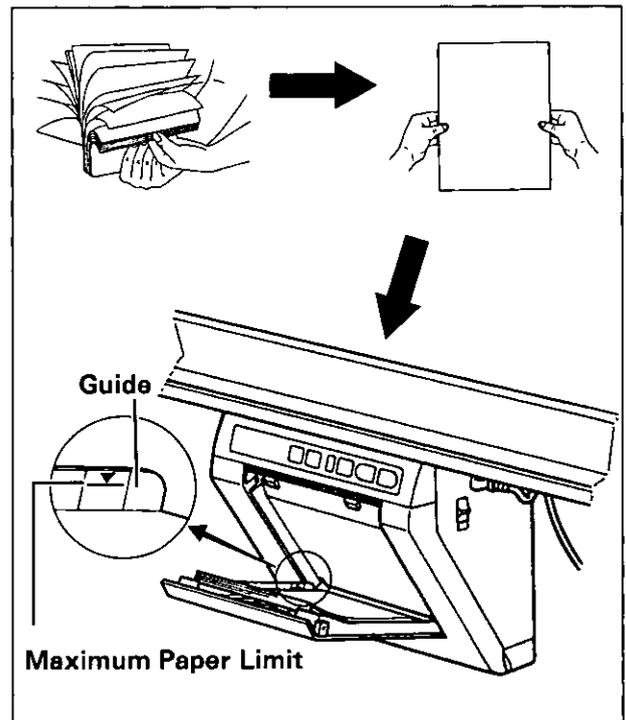
- Note that magnets are used as fasteners to hold the paper cover closed.



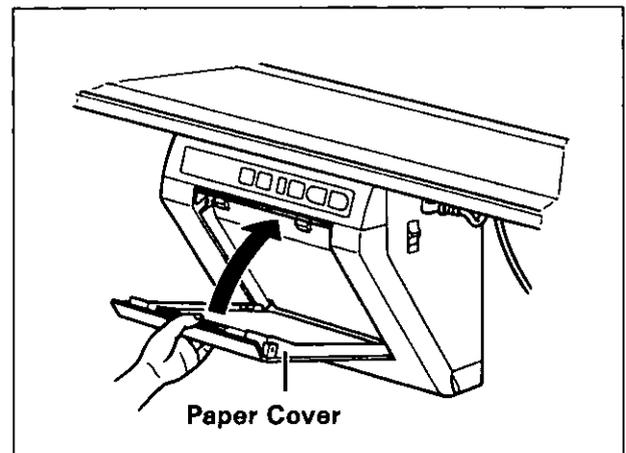
3 To prevent paper jams such as those caused by multiple sheets feeding at once, fan the paper thoroughly, square it, align it with the guide inside, and insert as far as it will go.

Notes

- Only use Letter size copying paper having a weight of 60 to 90 g / m² as the copy paper for this unit.
- Do not stack more copy paper in the unit than the maximum paper limit indicated by the guide (see figure to the right) as this may result in paper jams. (Note that the unit can hold about 80 sheets of paper having a weight of 80 g / m².)



4 Close the paper cover.

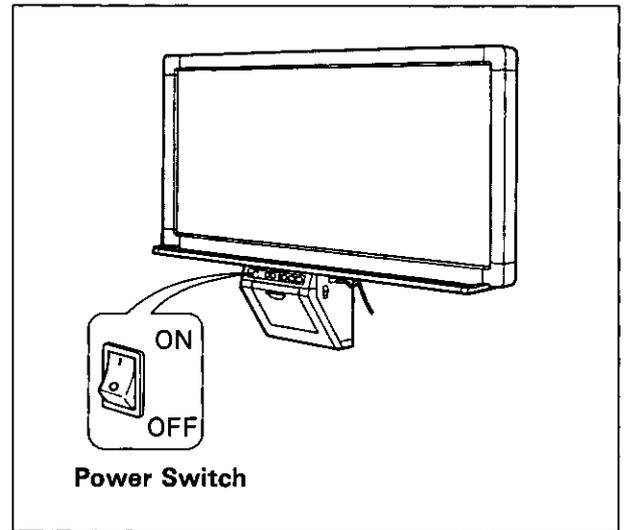


Making Copies

This section describes how to copy text and illustrations drawn on the screen.

1 Set the power switch to on (|).

- "1" will light on the multi-copy/error indicator to indicate that the unit is ready to copy.

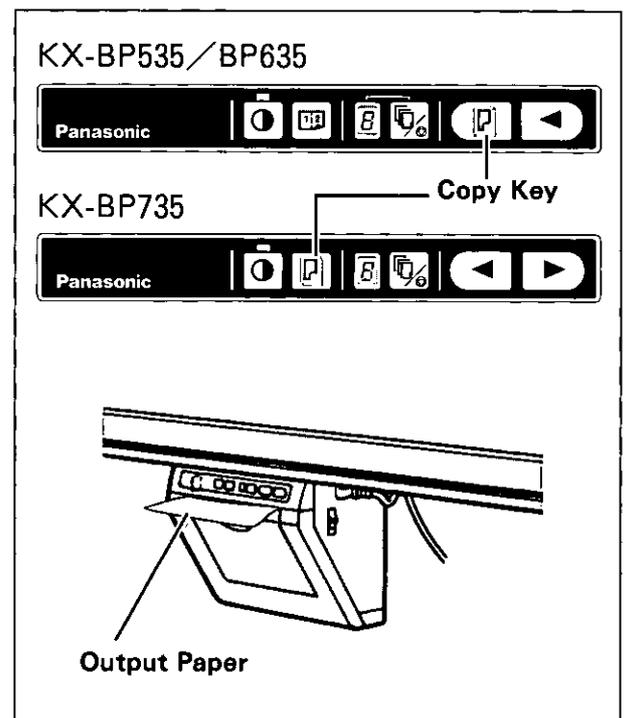


2 Press the copy key () ( for KX-BP735).

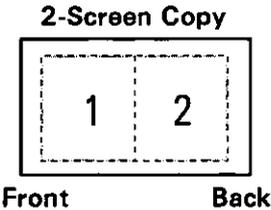
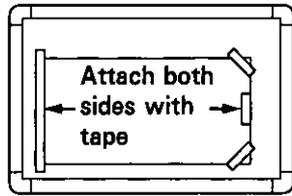
- Text and illustrations on the screen will be copied and copies emerge from the output port.
- The output port can hold up to 20 sheets of copied paper. (Note that exceeding the output port's capacity may result in paper jams.)
- For details on making multiple copies, 2-screen copies (KX-BP535 and KX-BP635) and so on, see page 13.

Note

- Do not use paper that has been copied on one side by this printer as copy paper in this unit or in any other copiers or printers as this may result in dirty rollers, degradation of printing quality, paper jams, and streaks and smudges on the output paper.



● Copy Types and Procedures

Copy Type	Procedure	
	For the KX-BP535 and KX-BP635	For the KX-BP735
Copying the front screen	Press  .	Press  .
Copying the back screen	<ol style="list-style-type: none"> Press  to move the screen to be copied to the front. Press . 	<ol style="list-style-type: none"> Press  or  to move the screen to be copied to the front. Press .
Making multiple copies (up to 9)	<ol style="list-style-type: none"> Select the number of copies (1 to 9) by pressing  as necessary. Press . <ul style="list-style-type: none"> Press  to stop copying in mid-operation. 	<ol style="list-style-type: none"> Select the number of copies (1 to 9) by pressing  as necessary. Press . <ul style="list-style-type: none"> Press  to stop copying in mid-operation.
Making 2-screen copies ● Copying both screens on a single sheet of paper	Press  . 	
Copying chart paper	Chart paper can be attached to the screen as shown in the figure and copied. (Be sure to take the chart off the screen soon after copying is finished.)  <ul style="list-style-type: none"> Wrinkles, slackness or folds in the chart when attached to the screen will show up in copies as dark shadows. Affix it to the screen with drafting tape made by 3M® or other similar tape with medium adhesive. 	<div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0;"> Note </div> <ul style="list-style-type: none"> When using the KX-BP735, do not attach charts for copying as this may damage the unit due to the screen path.
Making 4-screen continuous copies		<ol style="list-style-type: none"> Select "///" by pressing . Press . <ul style="list-style-type: none"> Press  to stop copying in mid-operation.

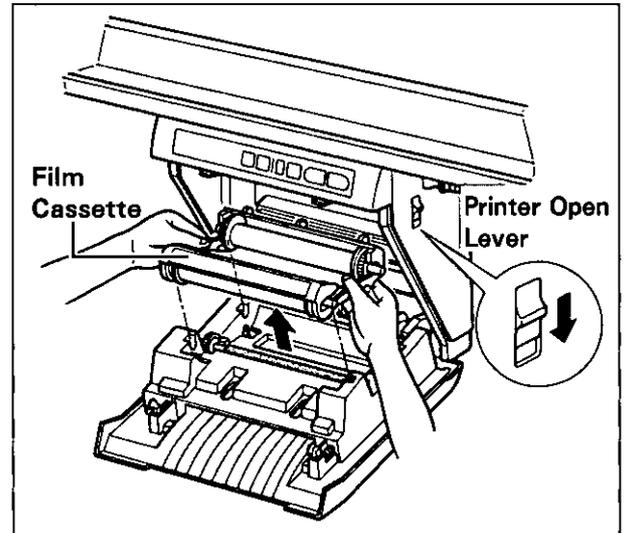
Replacing the Thermal Transfer Film

The unit is capable of producing about 15 more copies when the contrast/remaining film indicator begins to flash. The unit has run out of thermal transfer film and can no longer make copies when the multi-copy/error indicator flashes "E". Separately available replacement film (KX-BP081) may be purchased from the dealer where you purchased the unit. The thermal transfer film is replaced as follows.

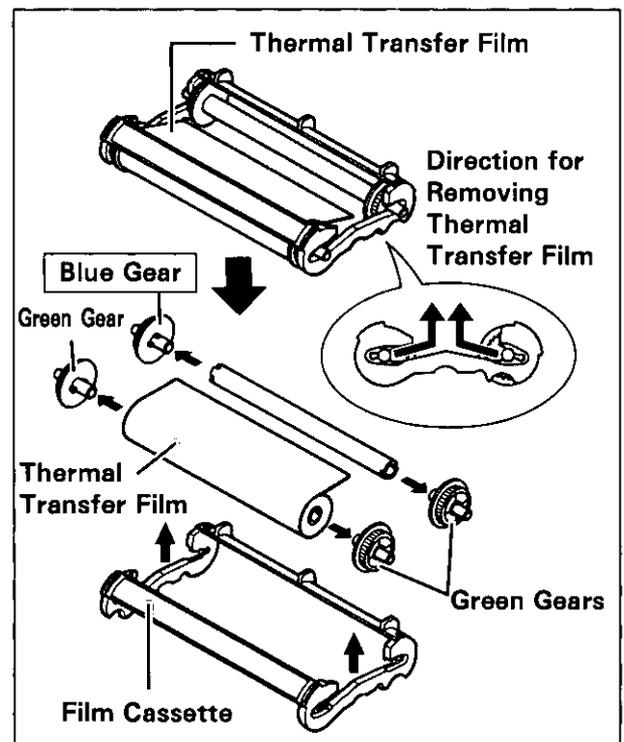
Notes on Replacing the Thermal Transfer Film

- Only use the designated product (KX-BP081 or KX-BP082) from Panasonic as the replacement film. (Note that using another type of replacement film may result in degraded printing quality or damage to the unit.)
- Thermal transfer film is disposable. Dispose of used thermal transfer film as "burnable" or "non-recyclable" rubbish.
- A negative of the copied image will remain on the thermal transfer film. To protect the security of your information, we recommend cutting up the used thermal transfer film with scissors or a shredder before disposing of it.

- 1** Push down the printer open lever to open the printer door, and remove the film cassette with both hands.



- 2** Remove the used thermal transfer film from the film cassette and remove the four gears.

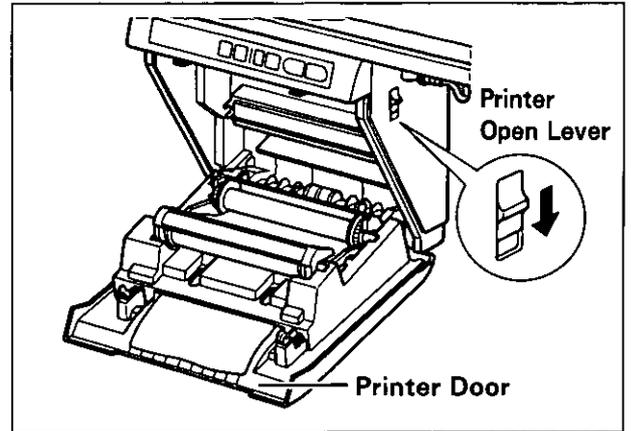


- 3** Next, perform steps 3 to 7 in the section entitled "Installing Thermal Transfer Film" that can be found on page 8.

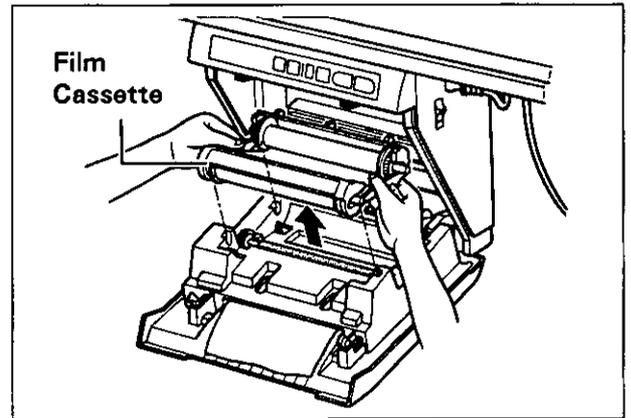
Paper Jams

Remove paper jams by the following procedure when the copied paper does not come out of the output port or when "E" flashes on the multi-copy/error display indicator.

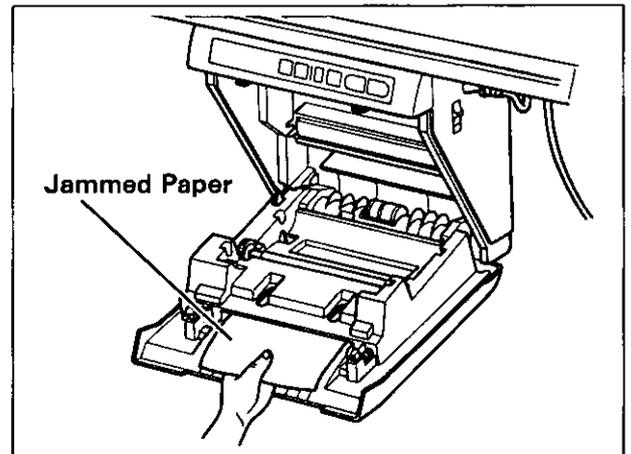
1 Push down the printer open lever to open the printer door.



2 Remove the film cassette with both hands.

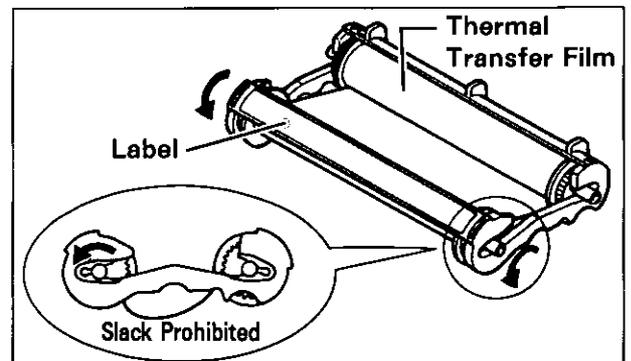


3 Remove the jammed paper.



4 If the thermal transfer film has slack, take up the slack by winding the gears on the label side of the cassette in the direction of the arrows.

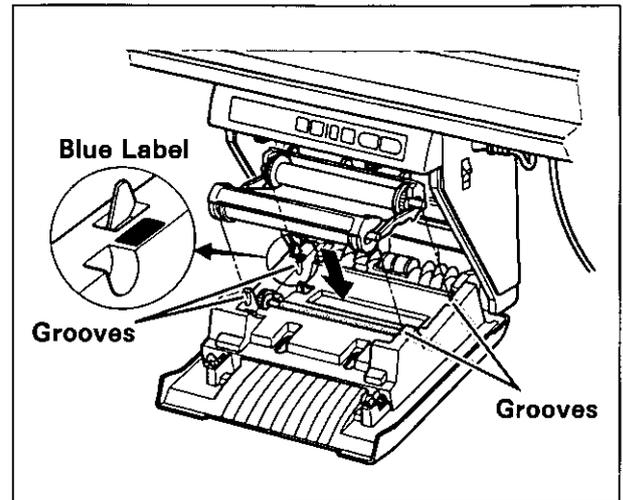
- The multi-copy/error indicator may flash "E" if the thermal transfer film has slack. In addition, the thermal transfer film may wrinkle, and blank (unprinted) spots or black streaks may appear on the copy paper.



Paper Jams

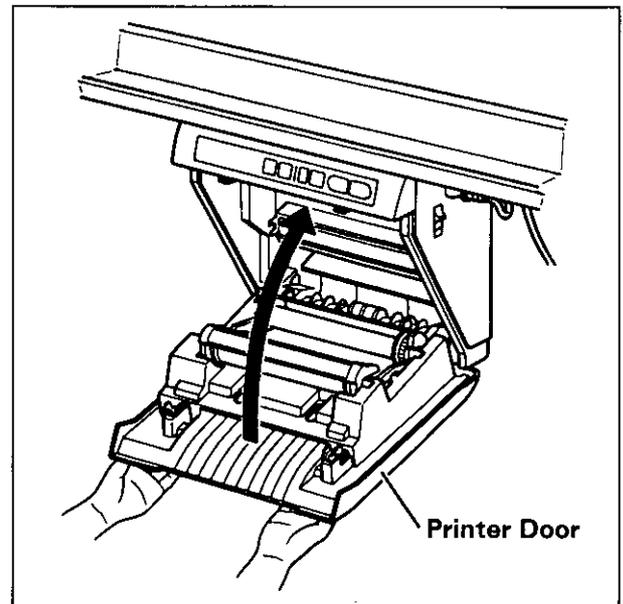
5 Install the film cassette.

- Insert the film cassette into the printer so that the blue gear on the cassette aligns with the blue label on the printer and then insert the gear shafts on both sides of the cassette into the grooves inside the printer.



6 Close the printer door.

- Securely close the printer door with both hands until a click is heard.
- The "J" flashing on the multi-copy/error indicator will go out.



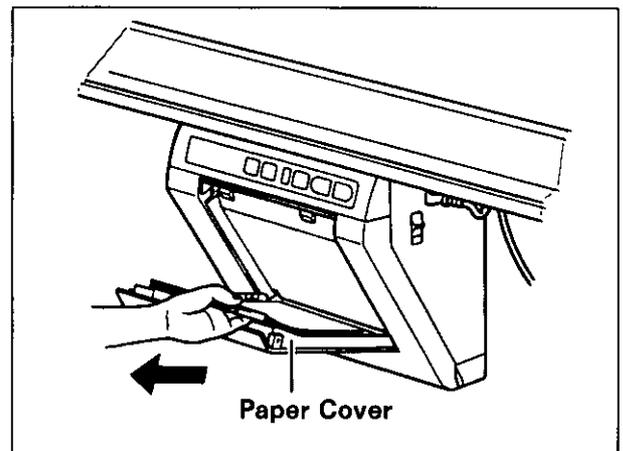
● If the flashing "J" does not go out after the foregoing procedure has been performed;

This may indicate that the paper feeder is not functioning properly. Reload the copy paper by following the steps given below.

1 Turn the power off and on.

2 Open the paper cover and remove all copy paper remaining inside the unit's paper cover.

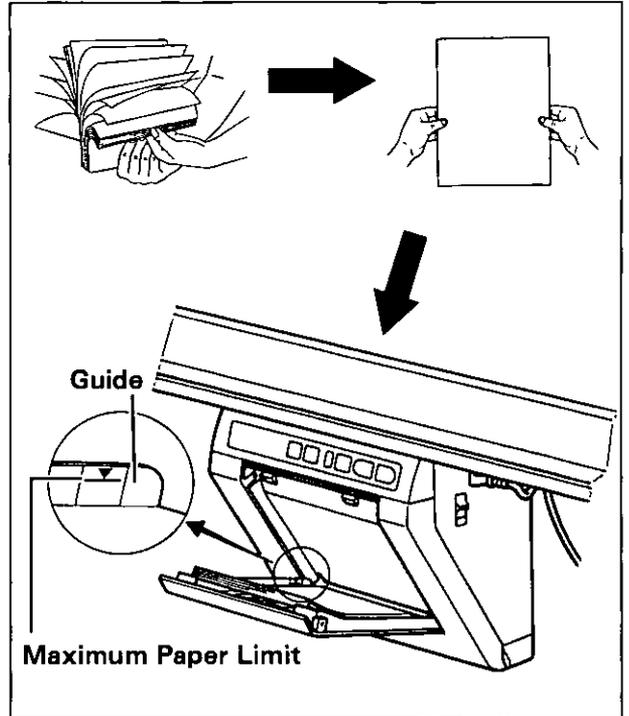
- Note that the copy paper will slightly resist being removed, but may be pulled out without problems.



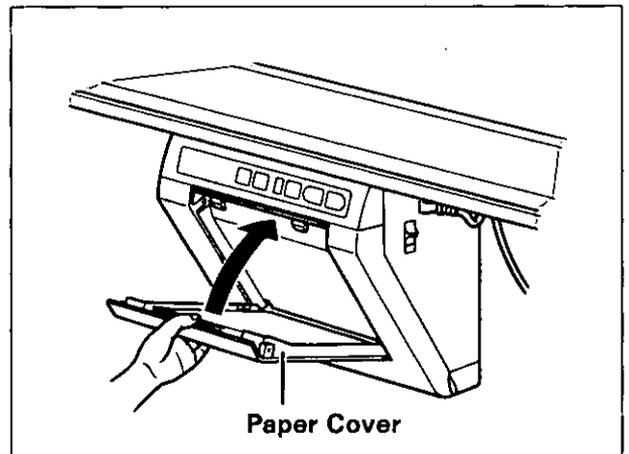
3 To prevent paper jams such as those caused by multiple sheets feeding at once, fan the paper thoroughly, square it, align it with the guide inside, and insert as far as it will go.

Note

- Do not stack more copy paper in the unit than the maximum paper limit indicated by the guide (see figure to the right) as this may result in paper jams. (Note that the unit can hold about 80 sheets of paper having a weight of 80 g / m².)



4 Close the paper cover.



Daily Care and Maintenance

Always turn off the power switch and unplug the power plug when cleaning outside and inside the unit.

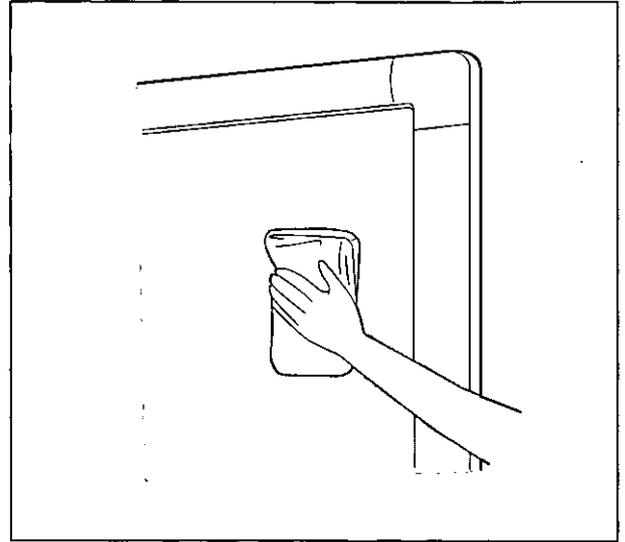
Cleaning the Screen and the Unit

Gently wipe the screen and unit with a water-dampened cloth that has been thoroughly wrung.

Use a kitchen cleaner diluted with water for hard-to-clean stains.
If you accidentally write on the board with an oil-based marker, wipe with a small amount of ethyl alcohol.

Notes

- Do not use thinner, benzine or cleaners containing abrasives as this may result in discoloration.
- Do not wipe the screen surface with a dry cloth as this may generate a static charge.

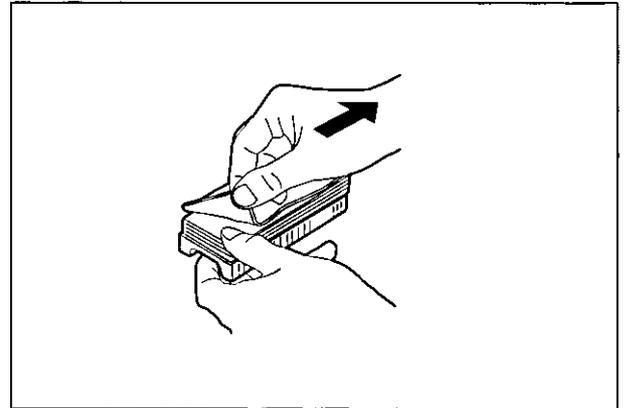


Caring for the Eraser

When the erasing surface of the eraser becomes dirty, hold down the sheet under the top sheet with your finger and peel off the dirty sheet by pulling in the direction of the arrow.

Note

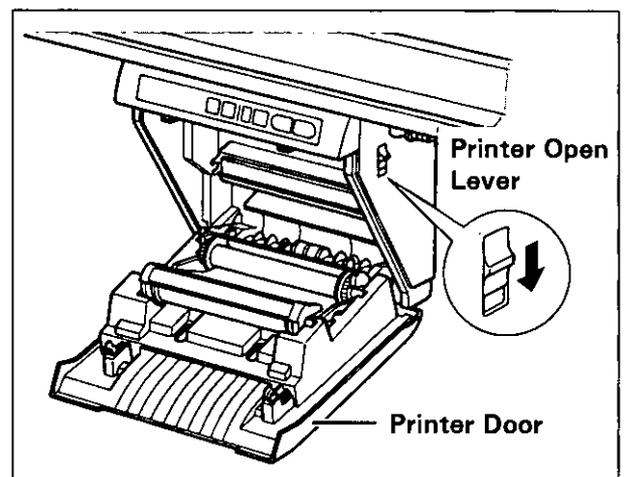
- When the eraser becomes thin, take care that the corners of the eraser do not strike the screen during erasing as this may damage the screen.



Cleaning the Printer Head, Platen Roller and Feed Roller

- If black or blank streaks appear on the copy, clean the printer head and the platen roller.
- If paper jams occur frequently, clean the feed roller.

- 1 Push down the printer open lever and open the printer door.

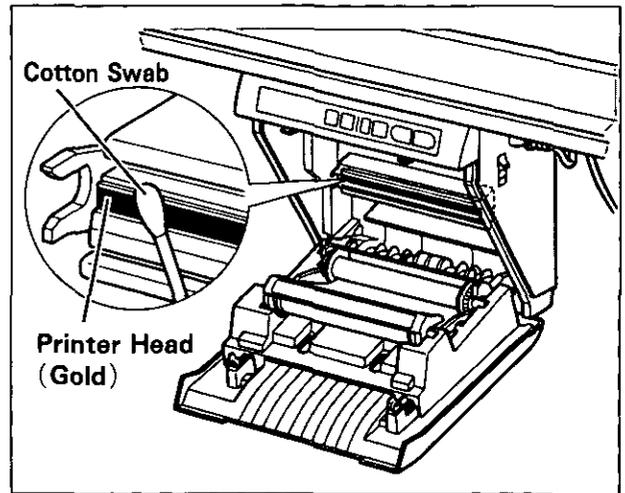


Clean the Printer Head

2 Dampen the tip of a cotton swab in ethyl alcohol and gently wipe the printer head.

Note

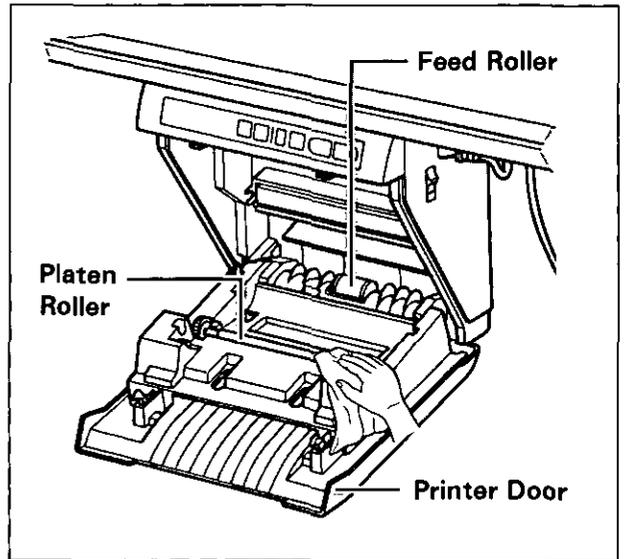
- Never touch the printer head or the surrounding area with your hands as this may disable copying.



Clean the Platen Roller and the Feed Roller

3 Remove the film cassette with both hands and carefully wipe any dirt or stains off the platen roller and feed roller.

- For details on removing the film cassette, see page 15.
- Dampen a soft cloth with neutral kitchen cleaner diluted in water, wring the cloth thoroughly, and wipe the entire surface of the rollers while rotating them. If this does not remove all dirt, wipe with a cloth dampened with ethyl alcohol.

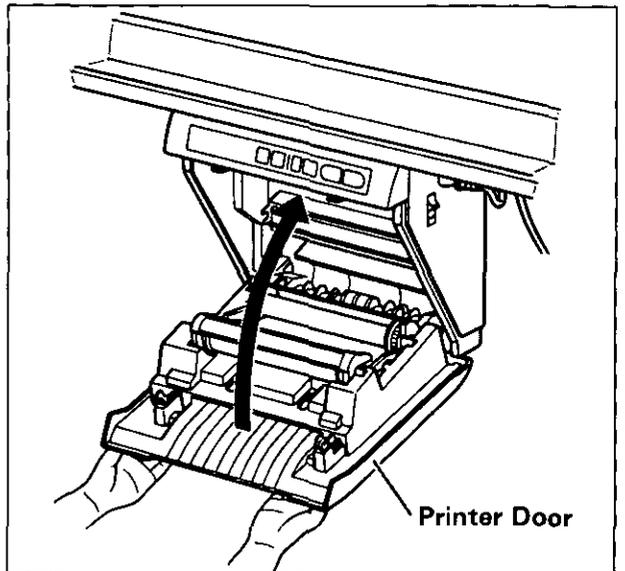


4 Attach the film cassette in its original position and close the printer door.

- For details on attaching the film cassette, see page 9.
- Close the printer door firmly until a click is heard.

Note

- If "E" is displayed on the multi-copy/error indicator when the power is turned on, this indicates that the film cassette has not been installed properly or that there is slack in the thermal transfer film. Check the condition of the film cassette and for slack in the thermal transfer film.



Troubleshooting

Treat problems according to the information given in the table below. If problems still persist, call your local dealer, please call 1-800-447-4700.

Symptom	Care and Remedy	See Page
Power switch is on but the indicator is off.	Check that the power plug is securely plugged in. (If the indicator still does not light, turn the power off and on again.)	/
Copy paper will not come out.	The unit is out of copy paper or thermal transfer film. (Error indicator flashes "P" or "r".) → Insert copy paper or replace the thermal transfer film.	10 14
	The printer is open. (Error indicator flashes "d".) → Close the printer firmly until a click is heard.	9
	Paper is jammed in the printer. (Error indicator flashes "J".) → Open the printer and remove the jammed paper.	15
	The platen roller and feed roller are dirty. → Open the printer unit and wipe the platen roller and the feed roller to clean them.	18
Nothing is printed on the paper or copies are faint or blurred.	The writing on the screen is too thin or light. → Make thicker, darker lines or change to a new marker.	/
	The printer is slightly open. → Close the printer firmly until a click is heard.	9
Black streaks or blank (unprinted) spots appear on the copy (copy paper is dirty).	The printer head or platen roller is dirty. → Open the printer and wipe any dirt off the printer head and platen roller.	18
	The room temperature is 10°C (50°F) or lower. → Increase the room temperature, turn the unit's power off and on, and retry copying.	/
	The thermal transfer film is wrinkled because it was set in place without removing excess slack. → Rewind the used portion of the thermal transfer film to remove the excess slack, then reattach it.	9 15
The screen does not advance when the COPY or ADVANCE keys are pressed.	Static electricity was generated when the screen film was wiped. → Turn off the power and slowly move the screen by hand.	/
Contrast/Remaining Film indicator flashes.	The time to replace the thermal transfer film is approaching. (Only about 15 more copies can be made.) → Prepare a new replacement film (KX-BP081 or KX-BP082).	14

● Meanings of Various Displays

The following table describes the meaning of each of the symbols which may flash in the Multi-Copy/Error indicator.

Indication	Cause	Remedy	See Page
P	Out of paper.	Load copy paper.	10
d	The printer is not closed securely.	Close the printer securely.	9
r	The thermal transfer film has slack or has run out.	Remove the slack from the thermal transfer film or replace.	9 14
J	Paper jam.	Open the printer and remove the jammed paper.	15
S	The screen will not move.	Remove any chart paper attached to the screen (KX-BP535 and KX-BP635 only) and slowly move the screen by hand.	/
L	The room temperature is less than 10°C (50°F).	Increase the room temperature.	/
	The fluorescent lamp is not functioning.	Call your dealer for service.	/

● If other indications such as "H" appear, call your dealer.

Specifications

	Model Number	KX-BP535	KX-BP635	KX-BP735	
General	Power Supply	AC100-120 V, 50/60 Hz			
	Power Consumption	2.2 A (operational), 0.1A (standby)			
	External Dimensions Height × Width × Depth	Without stand	1,400×1,550×240 mm (4' 7 1/8"×5' 1 1/32"×9 7/16")	1,400×1,912×240 mm (4' 7 1/8"×6' 3 9/32"×9 7/16")	1,400×1,645×240 mm (4' 7 1/8"×5' 4 3/4"×9 7/16")
		With stand	1,875×1,550×591 mm (6' 1 13/16"×5' 1 1/32"×1' 11 1/4")	1,875×1,912×591 mm (6' 1 13/16"×6' 3 9/16"×1' 11 1/4")	1,875×1,645×591 mm (6' 1 13/16"×5' 4 3/4"×1' 11 1/4")
	Weight (without stand)	34 kg (75 lbs)	36.5 kg (80.5 lbs)	38.5 kg (84.9 lbs)	
	Ambient Operating Conditions	Temperature : 10 - 35°C (50-95 °F)、Humidity : 30 - 80%			
	Writing Implements	Dry erase felt-tipped markers (black, red and blue)			
Input Block	Panel Dimensions Height×Width	900×1,400 mm (2' 11 7/16"×4' 7 1/8")	900×1,762 mm (2' 11 7/16"×5' 9 3/8")	900×1,400 mm (2' 11 7/16"×4' 7 1/8")	
	Panel Surfaces	2 (endless type)		4 (endless type)	
	Panel Advance System	Scroll type			
	Copying Area Height×Width	850×1,330 mm (2' 9 15/32"×4' 4 3/8")	850×1,680 mm (2' 9 15/32"×5' 6 5/32")	850×1,330 mm (2' 9 15/32"×4' 4 3/8")	
	Scanning System	CCD flat-scan type			
Output Block	Printing System	Fusion thermal transfer type			
	Copy Paper	Standard or recycled paper (60 - 90 g / m ²)			
	Copy Paper Size	Letter [216×279.4 mm (8 1/2"×11")]			
	Copy Density	8 dots/mm (203 dots/inch)			
	Copy Color	Black			
	Contrast Adjustment	Two levels: Normal/Dark			
	2-Screen Compressed Copying	Yes	No		
	Time Required for Copying	15 sec. /sheet			
	Continuous Copies	1 to 9 sheets			
	Out-of-Paper indication	Yes			
Optional Equipment	Wall-Mounting Kit	KX-B063			
	Stand* ¹	KX-B061M			
	PC Interface Kit	KX-BP095 (for connection to a PC)			
	Ruler Kit	KX-B05			
Separately Available	Replacement film	: KX-BP081 [contains two 100 m (328') rolls] KX-BP082 [contains one 100 m (328') roll and one film cassette]			
	Markers* ²	: KX-B031 (set of 10 black markers), KX-B032 (set of 10 red markers), KX-B033 (set of 10 blue markers)			
	Erasers* ²	: KX-B042 (set of 6 erasers)			
	Marker and eraser set* ²	: KX-B035 (contains one black, one red, and one blue marker, and one eraser)			

*1 Weight (stand): KX-B061M ...10.9 kg (24 lbs)

*2 May not be available in all areas.

Installation Manual

(for qualified service personnel)

Table of Contents

	Pages
Assembling the Print Board	23
● Accessories.....	23
● KX-BP535/BP635	24
● KX-BP735	32
Print Board Operations Check	36
Repacking	37
Assembling the Optional Stand (KX-B061M)	38
● Accessories.....	38
● Assembly.....	39
Wall-mounting Kit (KX-B063)	42
● Accessories.....	42
● Wall-mounting procedure	43
● Attaching the wall-mounting fixtures	45

Before installing this unit, please read this manual completely.

WARNING



DO NOT INSTALL THIS OPTION EXCEPT FOR QUALIFIED SERVICE PERSONNEL.

CAUTION

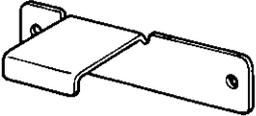
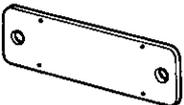
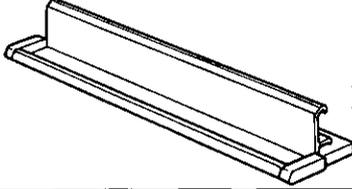
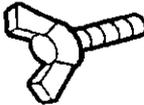
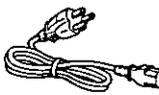


SAFETY CHECK MUST BE DONE BY QUALIFIED SERVICE PERSONNEL AFTER INSTALLING THIS OPTION.

Assembling the Print Board

Accessories

The package includes the parts shown below. Make sure that all of these parts are included in the package before proceeding.

Part name	Illustration/quantity		Attachment step
	KX-BP535/BP635	KX-BP735	
Screen fastening bracket (for upper side)	 ×1	—————	KX-BP535/BP635: page 27, Step 7
Screen fastening bracket (for lower side)	 ×1	—————	KX-BP535/BP635: page 27, Step 7
Rivets	 ×4	—————	KX-BP535/BP635: page 28, Step 9
Upper frame cover	 ×1	—————	KX-BP535/BP635: page 30, Step 13
Lower frame cover	 ×1	—————	KX-BP535/BP635: page 30, Step 14
Wing bolts	 ×2	 ×2 M4×12 mm	KX-BP535/BP635: page 30, Step 14 KX-BP735 (for wall mounting): page 33, Step 3
Screws	 ×4 M4×16 mm	—————	For wall mounting KX-BP535/BP635: page 44, Step 5
Power cord		×1	KX-BP535/BP635: page 31, Step 15 KX-BP735: page 34, Step 5
Wall mounting template	—————	KX-BP735 template  ×1	For wall mounting page 43, Step 2

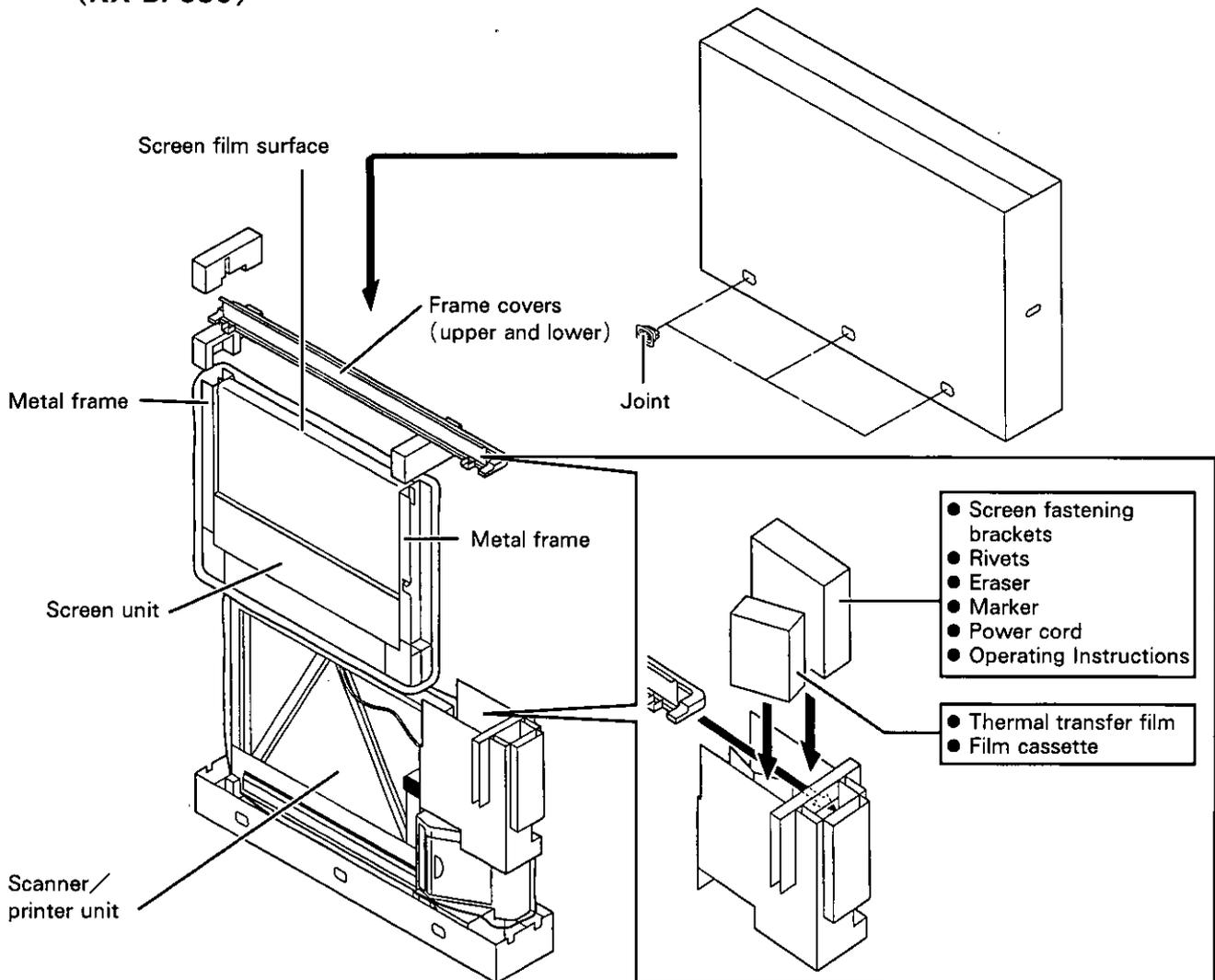
Assembling the Print Board**■ KX-BP535 / BP635 (refer to page 32 for KX-BP735)****1 Assemble the optional stand or wall mounting kit.**

- If you are using a stand, refer to page 38.
- If you are using a wall mounting kit, refer to page 42.

2 Remove the print board from the shipping box.

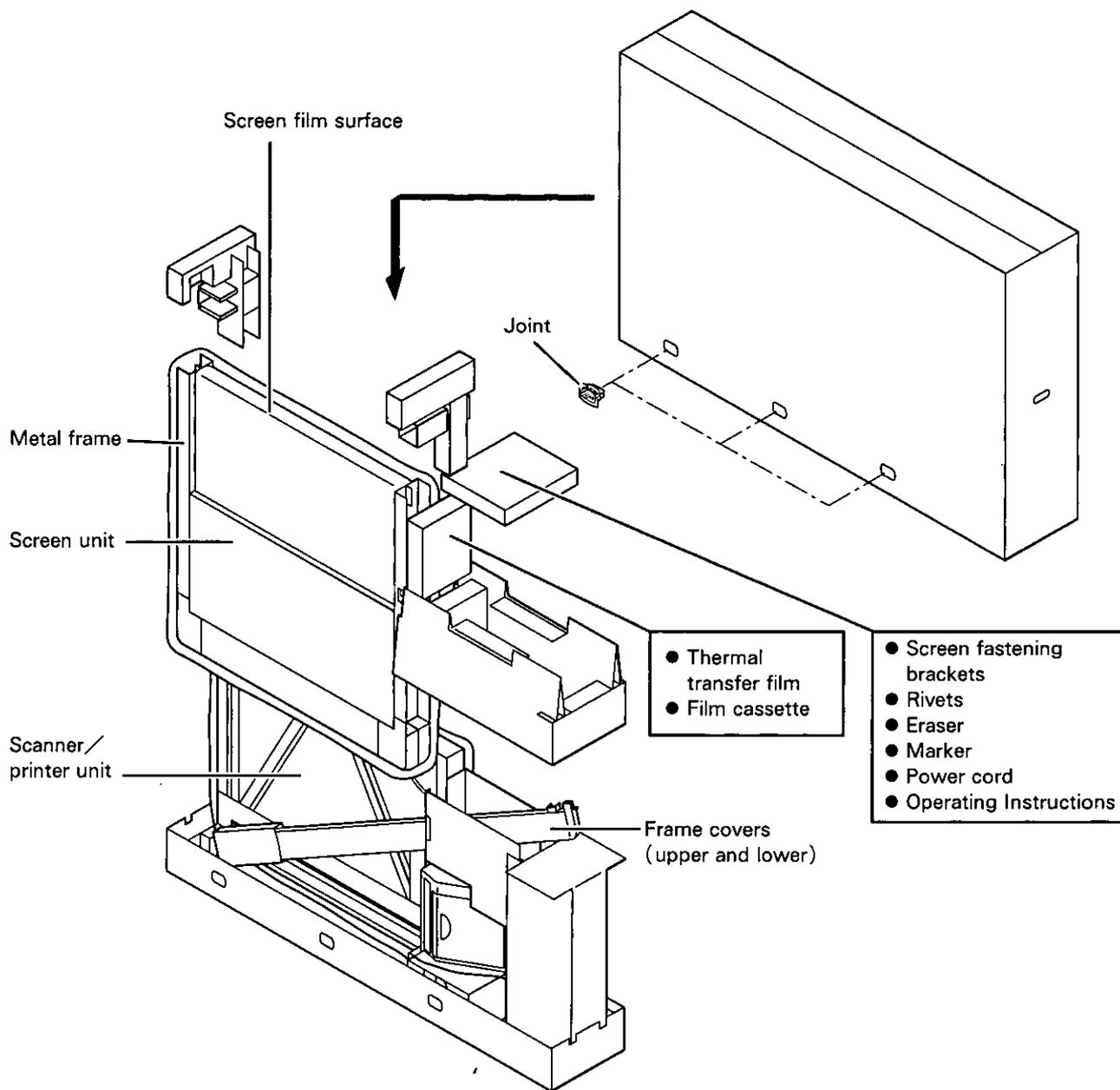
Remove the 6 joints, then remove the print board from the shipping box.

〈KX-BP535〉

**CAUTION**

- When removing the screen unit, grasp the metal frames on both sides of the screen. Do not grasp the screen film surface, as this may scratch it.
- The shipping box, cushioning material, and other packaging materials will be necessary if you ever need to re-package the print board, so do not throw them away.

<KX-BP635>

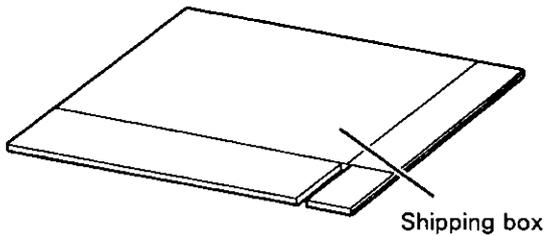


CAUTION

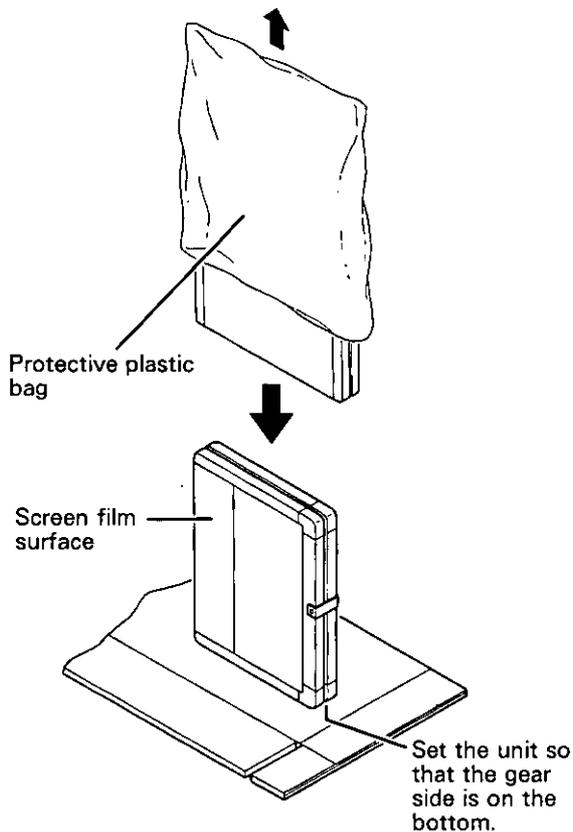
- When removing the screen unit, grasp the metal frames on both sides of the screen. Do not grasp the screen film surface, as this may scratch it.
- The shipping box, cushioning material, and other packaging materials will be necessary if you ever need to repackage the print board, so do not throw them away.

Assembling the Print Board**3 Collapse the shipping box.**

Remove the tape on the unopened side of the shipping box, then collapse the box.

**4 Remove the protective plastic bags.**

After removing the protective plastic bags from the screen unit and scanner/printer unit, set those units on top of the collapsed shipping box.

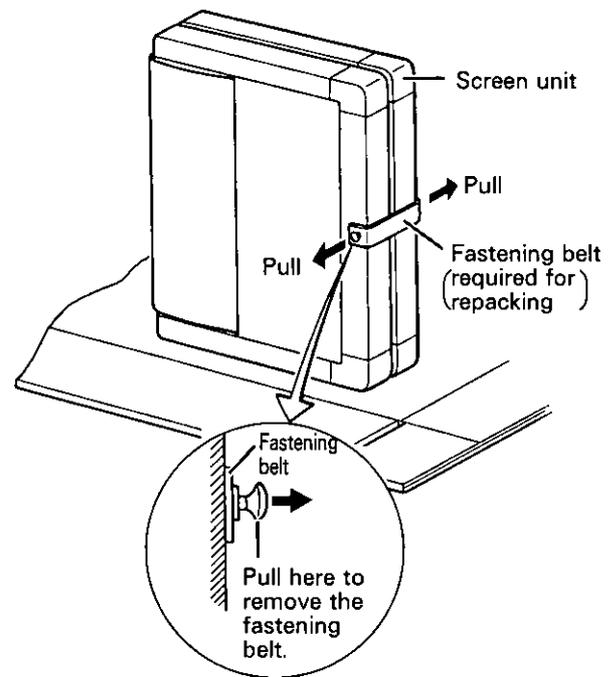
**CAUTION**

- Do not touch the screen film surface as doing so may damage it.

5 Attach the scanner/printer unit to the optional stand or wall mounting kit.

■ If you are using a stand, refer to page 40, Step 3.

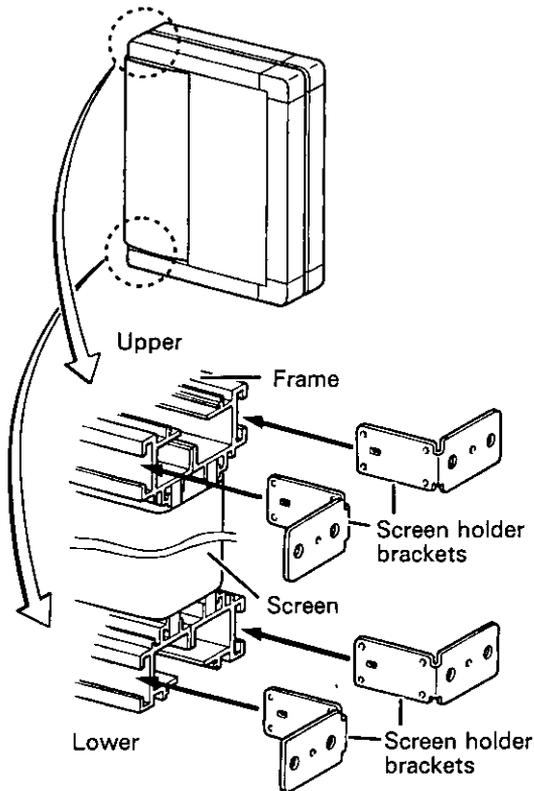
■ If you are using a wall mounting kit, refer to page 44, Step 4.

6 Remove the fastening belt.

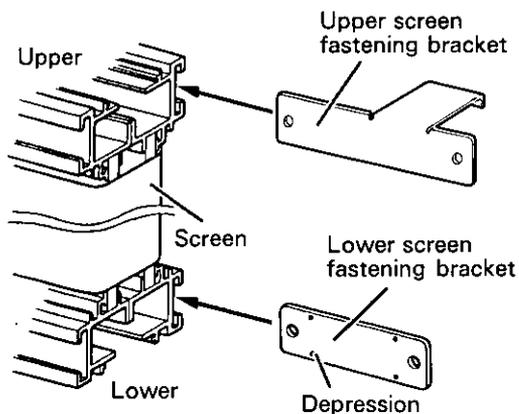
7 Attach the brackets to the screen unit.

■ If you are using a stand:

1. Insert the four screen holder brackets supplied with the stand into the screen unit frame.

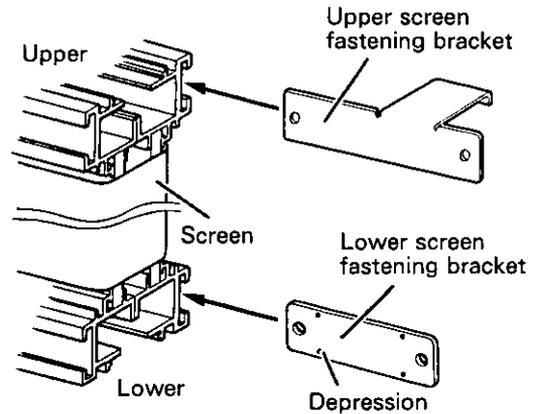


2. Insert the two supplied screen fastening brackets into the screen unit frame.

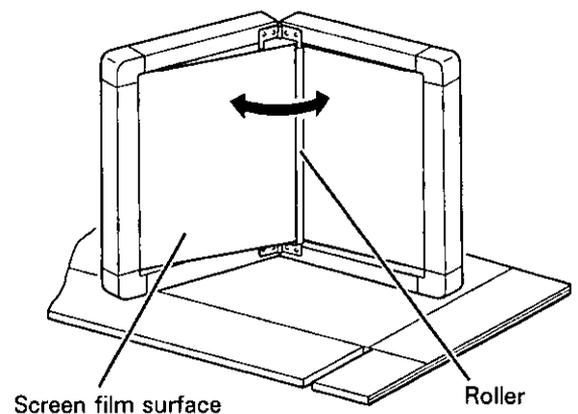


■ If you are using a wall mounting kit:

- Insert the two supplied screen fastening brackets into the screen unit frame.



8 Open the screen film surface.



CAUTION

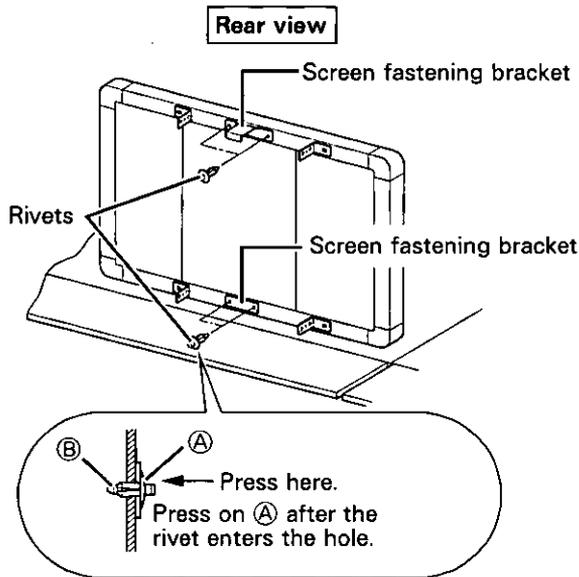
- When opening the screen film surface, be careful not to scratch or wrinkle it.

Assembling the Print Board

9 Fasten the brackets.

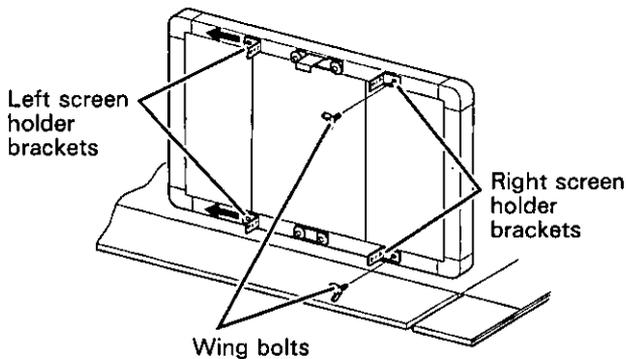
■ If you are using a stand:

1. Move the screen fastening brackets toward the center and fasten them with the four rivets.



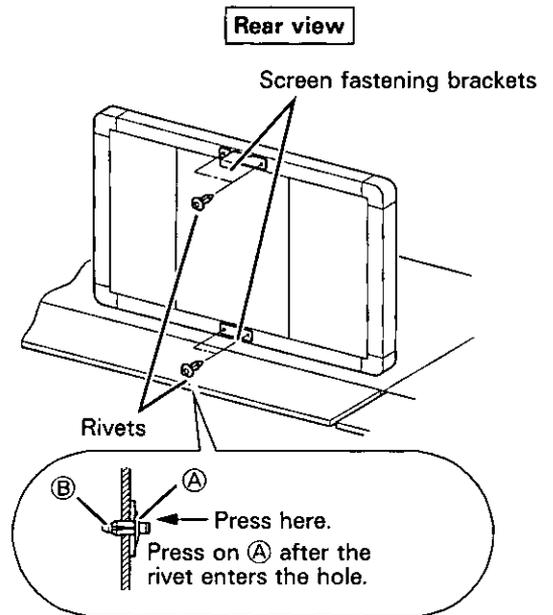
- To remove a rivet, press harder on (A), then pop the rivet back out while gripping (B).

2. Move the two screen holder brackets on the right to the screw hole positions, then fasten them with the two wing bolts supplied with the stand.
3. Move the two screen holder brackets on the left in the direction of the arrow.



■ If you are using a wall mounting kit:

- Move the screen fastening brackets toward the center and fasten them with the four rivets.

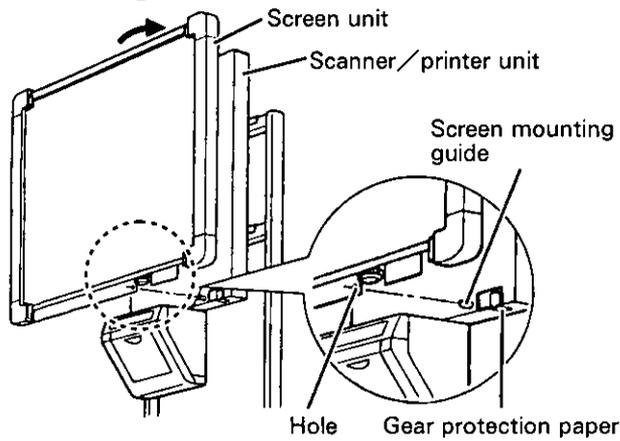


- To remove a rivet, press harder on (A), then pop the rivet back out while gripping (B).

10 Attach the screen unit to the scanner / printer unit.

■ If you are using a stand:

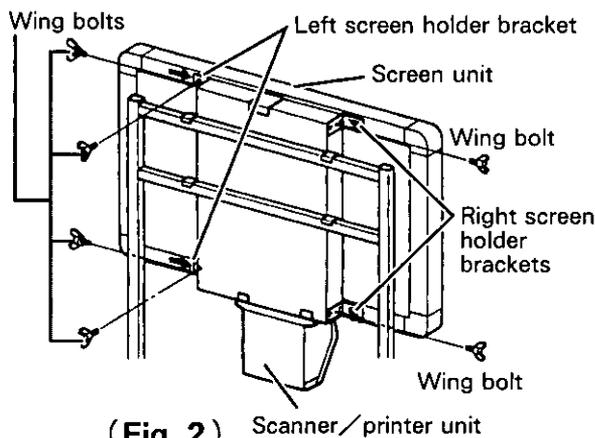
1. Hang the screen unit on the scanner / printer unit, fitting the screen mounting guide through the hole on the screen unit (Fig. 1).



(Fig. 1)

2. Fasten the right screen holder brackets using two of the wing bolts supplied with the stand (Fig. 2).
3. Move the left screen holder brackets in the direction of the arrow, then fasten them using four of the wing bolts supplied with the stand (Fig. 2).
4. Remove the gear protection paper (Fig. 1).

Rear view

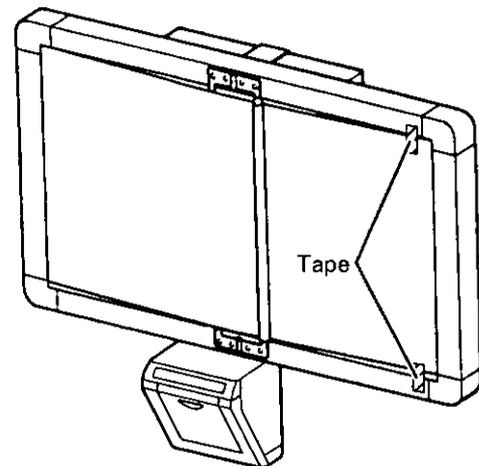


(Fig. 2)

■ If you are using a wall mounting kit, refer to page 44, Step 5.

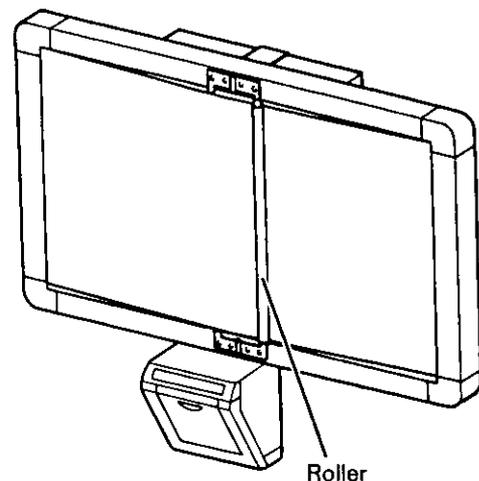
11 Remove the tape.

Remove the tape fastening the screen film surface.



12 Remove the roller.

Bend and remove the roller.

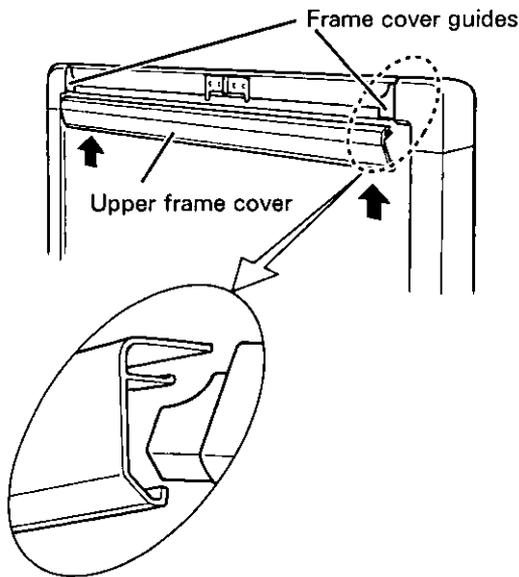


(The roller is necessary for repacking.)

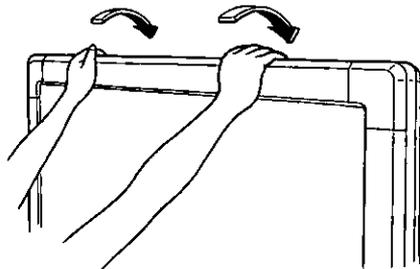
Assembling the Print Board

13 Attach the upper frame cover.

1. Align the upper frame cover with the frame cover guides on the left and right ends, then lift it up in the direction of the arrows.

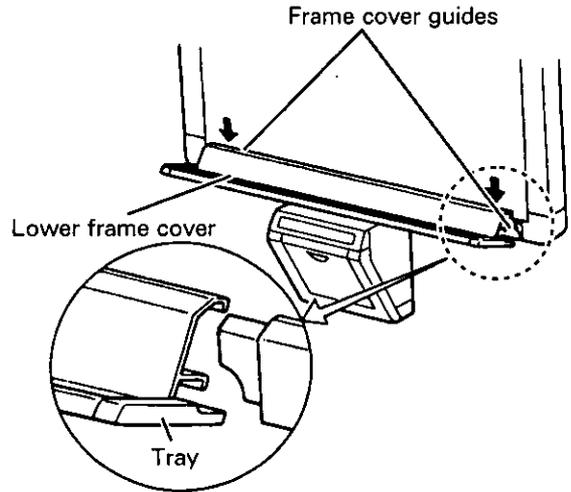


2. Place your hands on either end of the upper frame cover and push down on it in the direction of the arrows until the cover clicks into place.

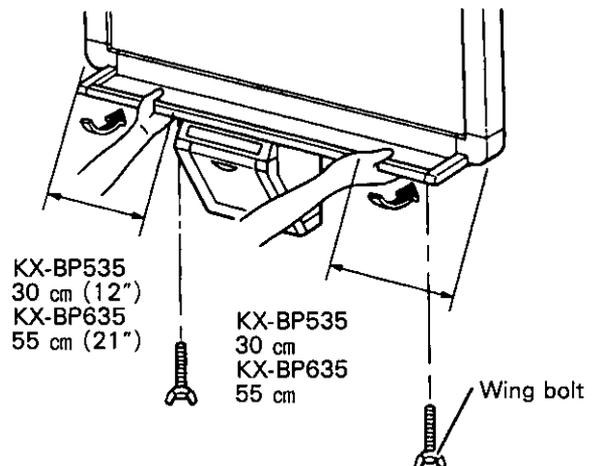


14 Attach the lower frame cover.

1. Align the lower frame cover with the frame cover guides on the left and right ends, then lower it in the direction of the arrows.

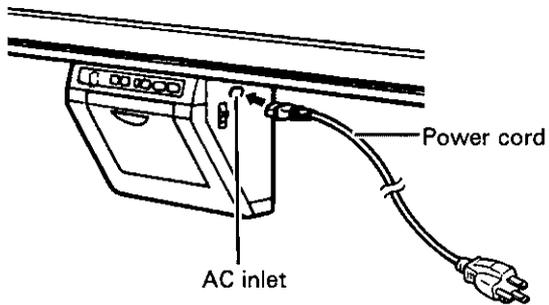


2. Place your hands on both end of the lower frame cover at the specified points (see the figure) and push on it in the direction of the arrows. Next, fasten the cover with the two supplied wing bolts.

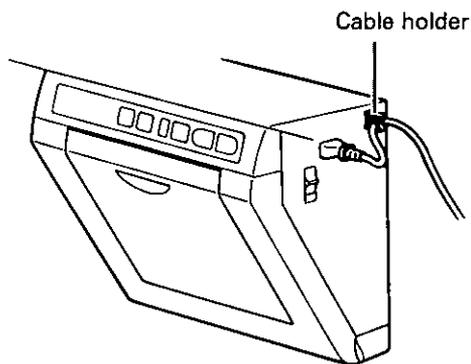


15 Attach the power cable.

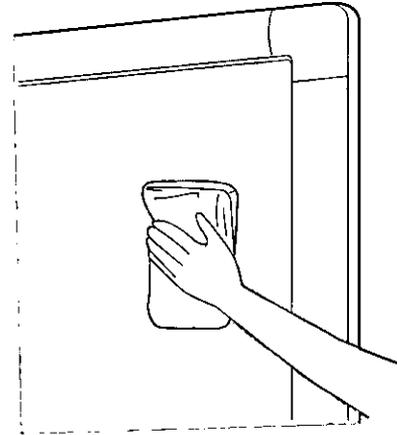
1. Securely fit the supplied power cord into the AC inlet on the printer unit.



2. Fit the power cord into the cable holder.

**16** Wipe the screen film surface.

Soak a soft cloth with water, wring well, and wipe the screen film surface.

**CAUTION**

- Do not wipe the screen film surface with paint thinner, benzene, or cleaners that contain abrasives. Doing so may cause discoloration.
- Do not wipe the screen film surface with a dry cloth. Doing so may create static electricity.

17 Check operations.

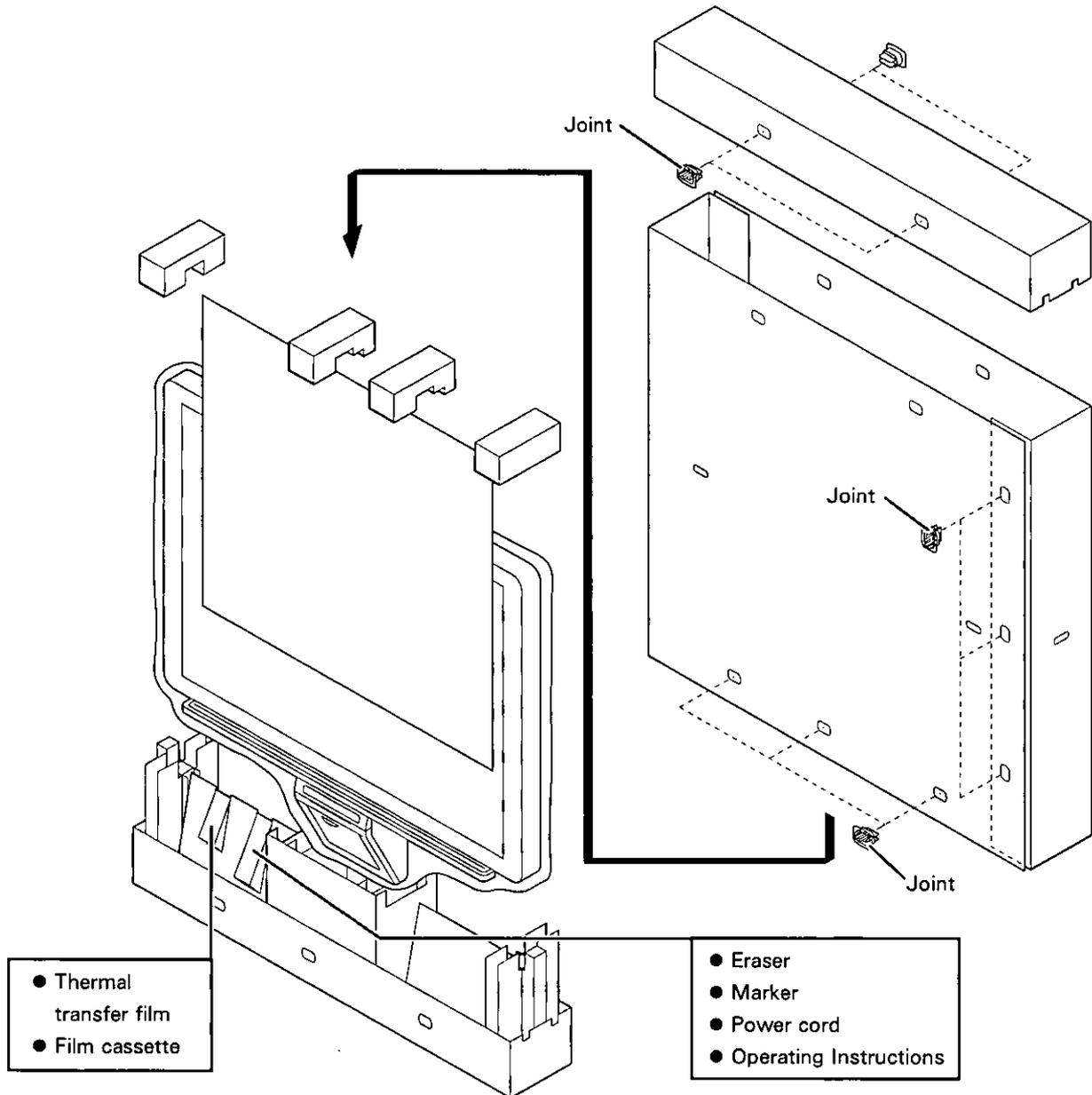
Refer to page 36 "Print Board Operations Check".

Assembling the Print Board**■ KX-BP735****1** Assemble the optional stand or wall mounting kit.

- If you are using a stand, refer to page 38.
- If you are using a wall mounting kit, refer to page 42.

2 Remove the print board from the shipping box.

Remove the 16 joints, then remove the print board from the shipping box.

**CAUTION**

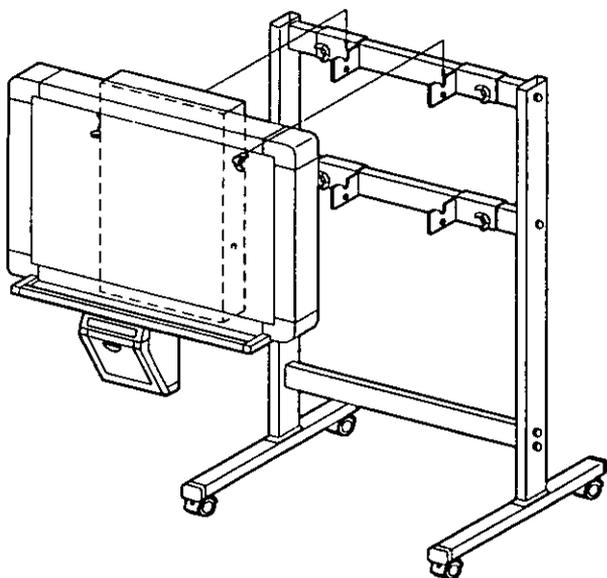
- Do not touch the screen film surface as doing so may damage it.
- The shipping box, cushioning material, and other packaging materials will be necessary if you ever need to re-package the print board, so do not throw them away.

- For one-technician installation, refer to page 35.

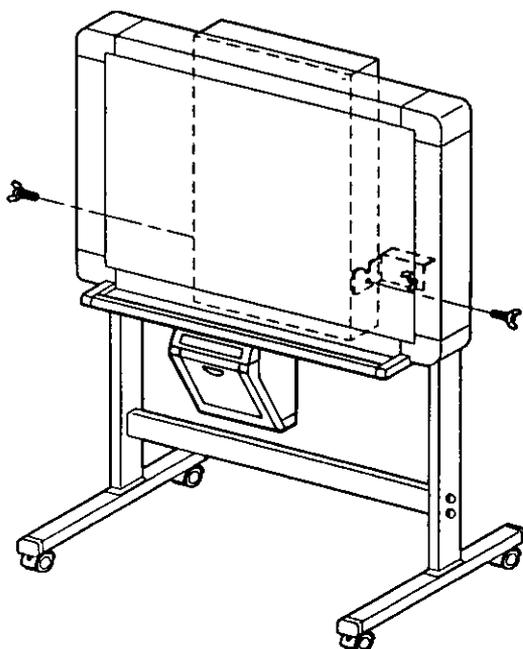
3 Mount the print board.

To use the optional stand :

1. Hang the print board on the optional stand. (KX-B061M)



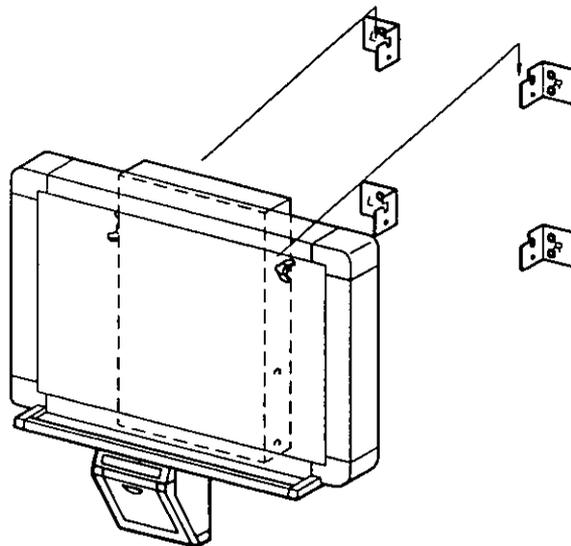
2. Secure the installing fixtures to the print board using the two wing-bolts [M5 × 12 mm (15/32")] provided with the optional stand.



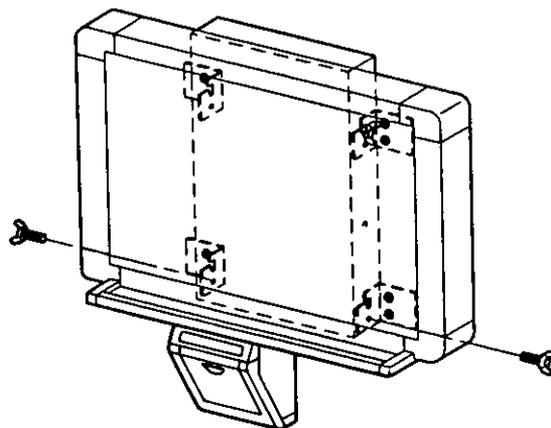
3 Mount the print board.

To mount on a wall :

1. Hang the print board on the optional wall-mounting fixtures.



2. Secure the mounting fixtures to the print board using the two wing-bolts [M4 × 12 mm (15/32")] provided with the print board.



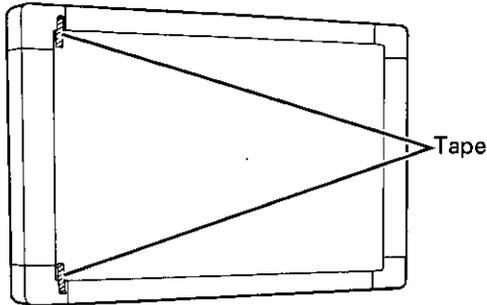
CAUTION

- When mounting the print board, avoid banging it. Such impact may break the internal fluorescent light or cause other damage.
- After mounting the print board, gradually apply weight to it to make sure that the wall is strong enough to support it.

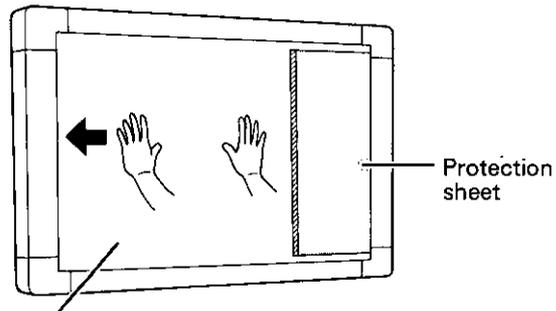
Assembling the Print Board

4 Remove the protection sheet.

1. Remove the pieces of tape on the screen film surface.

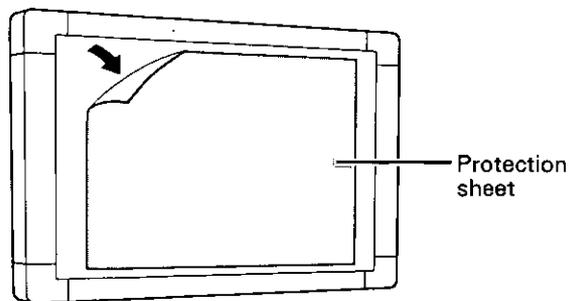


2. Move the screen film surface to the left by hand until the entire protection sheet is exposed.



Screen film surface

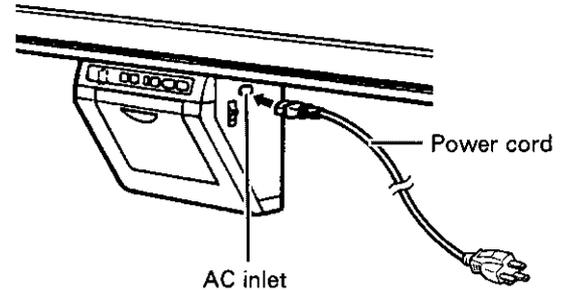
3. Remove the protection sheet.

**CAUTION**

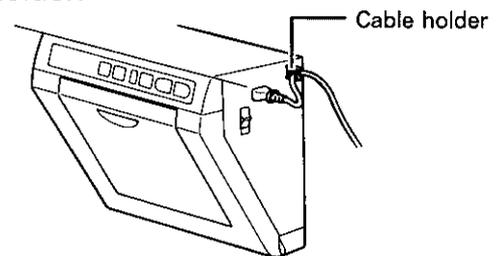
- After removing the protection sheet, do not set the print board down flat. Doing so will cause the screen film surface to become immobile.

5 Attach the power cable.

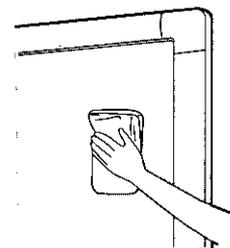
1. Securely fit the supplied power cord into the AC inlet on the printer unit.



2. Fit the power cord into the cable holder.

**6** Wipe the screen film surface.

Soak a soft cloth with water, wring well, and wipe the screen film surface.

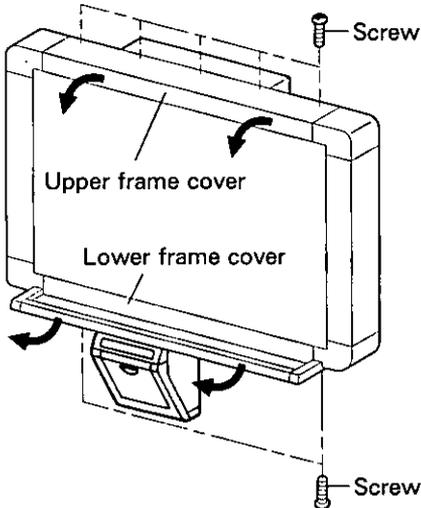
**CAUTION**

- Do not wipe the screen film surface with paint thinner, benzene, or cleaners that contain abrasives. Doing so may cause discoloration.
- Do not wipe the screen film surface with a dry cloth. Doing so may create static electricity.

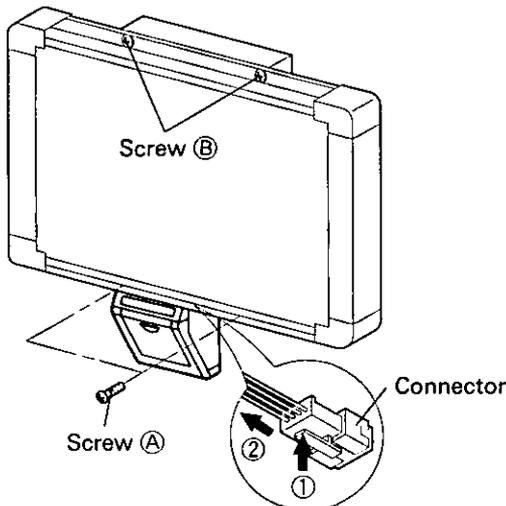
7 Check operations.

Refer to page 36 "Print Board Operations Check".

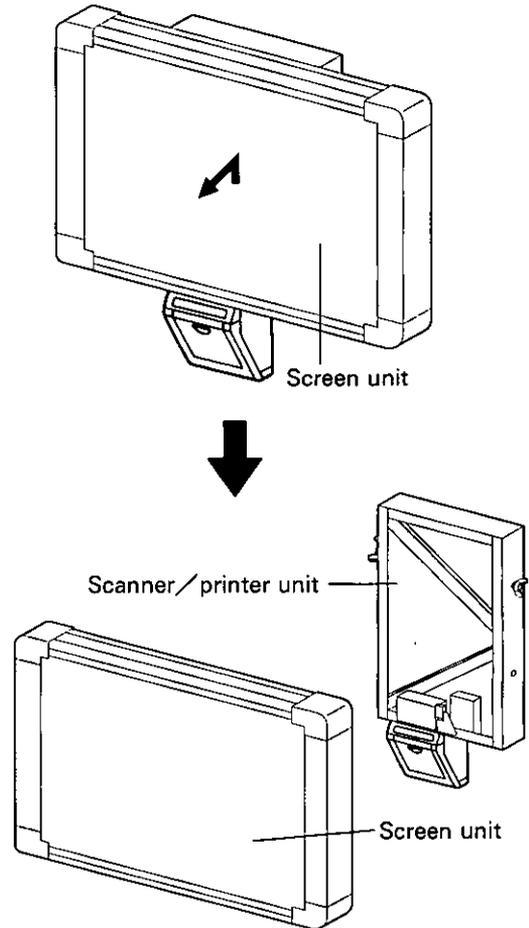
3 Remove 7 screws and remove the upper and lower frame cover.



4 Disconnect one connector and remove 2 screws (A) and loosen 2 screws (B).



5 Lift and pull the screen unit to remove.



6 Then install the scanner/printer unit on the optional stand or wall-mounting kit.

For assembling the stand, refer to page 38.

For wall mounting, refer to page 42.

7 After installing the scanner/printer unit, install the screen unit in steps 3 through 5 in reverse order.

Print Board Operations Check

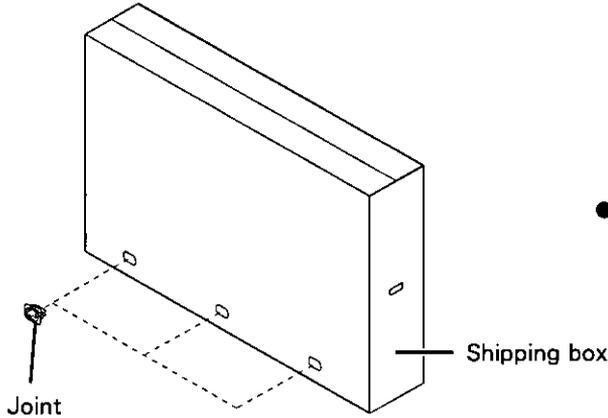
After assembling the print board, perform the procedures presented in the following table to make sure it functions properly.

Step		Normal print board operations (points to check)	
		Multiple copy/ error display	Other points to check
1	Turn on the power switch.	"r" flashes after "0" lights up.	_____
2	Open the printer door and attach the supplied thermal transfer film, then close the printer door. ● Installing Thermal Transfer Film procedure (refer to page 8)	"P" flashes.	_____
3	Open the paper cover and insert ordinary Letter test paper, then close the paper cover. ● Loading Copy Paper procedure (refer to page 10)	"I" lights up.	_____
4	Open the printer door.	"d" flashes.	_____
5	Close the printer door.	"I" lights up.	_____
6	① Press or (KX-BP735). ② Press (KX-BP735 only).	_____	<ul style="list-style-type: none"> ● Does the screen film surface feed smoothly? ● Are there any strange noises?
7	① Use the supplied marker to draw a large filling the entire copyable area of the screen film surface. ● Copyable area (refer to page 5) ② Press twice. ③ Press or (KX-BP735).	"3" lights up.	<ul style="list-style-type: none"> ● Are three copies made? ● Is the entire readable area printed? ● During the copying process, are there any strange noises or paper jams? Are multiple sheets of paper fed through at the same time?
8	① Press or (KX-BP735) to move the screen film surface. Write letters, etc. with the marker. ② Press once. ③ Press or (KX-BP735).	_____	<ul style="list-style-type: none"> ● Has the darkness indicator light turned on? ● Is the image copied properly? ● Are there strange markings on the copy sheet (e.g., stripes or lines)?
9	Press once.	_____	Has the darkness indicator light turned off?
10	(KX-BP535/BP635 only) Press .	_____	Are two screens copied properly?
11	(KX-BP735 only) ① Press nine times. ② Press .	"11" lights up.	Are four screens copied continuously and properly?

Repacking

KX-BP535 / BP635

Perform Assembly Steps 2 through 15 in reverse to repack the print board and accessories. Use the 6 joints to fasten the shipping box to the lower box.



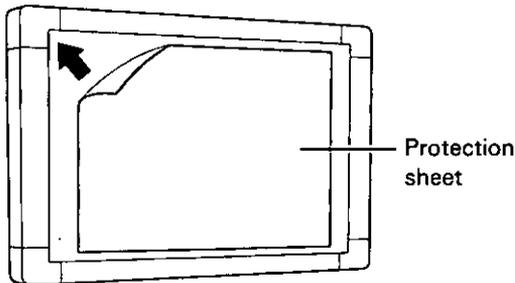
- Refer to the shipping box instructions for information on how to fasten the 6 joints.

KX-BP735

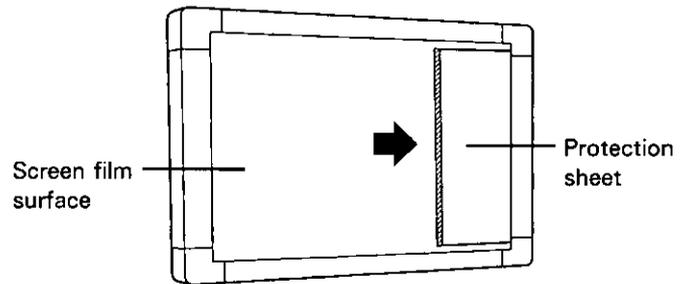
CAUTION

- Before repacking, be sure to attach the protection sheet to the screen film surface using the procedure shown below. Do not move the screen film surface with your hands.

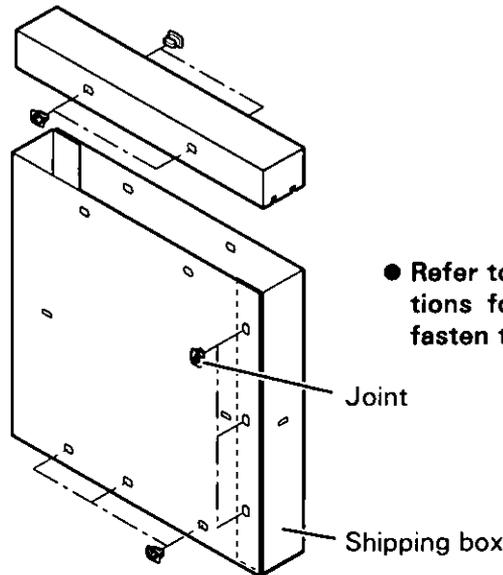
- (1) Set the protection sheet on the screen film surface.



- (2) Press the reverse feed key  to feed the screen film surface once to the right.



- (3) Perform Assembly Steps 2 through 5 in reverse to repack the print board and accessories. Use the 16 joints to fasten the shipping box to the upper and lower box.

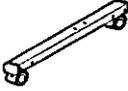
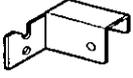
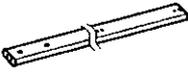


- Refer to the shipping box instructions for information on how to fasten the 16 joints.

Assembling the Optional Stand (KX-B061M)

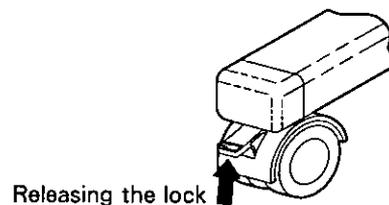
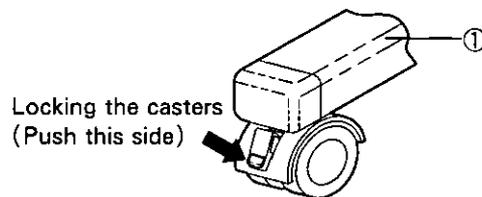
Accessories

The package box for the optional stand includes the parts noted below; please confirm that all parts are present before beginning installation.

No.	Part name	Illustration	Q'ty	No.	Part name	Illustration	Q'ty
①	Stand base		2	⑧	Fixture (right)		2
②	Pipe		2	⑨	Wing bolt	 M5 × 12 mm	6
③	Cover		2	⑩	Support bracket		2
④	Side bar ①		2		Allen wrench	 *1	1
⑤	Side bar ②		1		Wing bolt	 M4 × 8 mm ● For KX-BP535 / BP635	8
⑥	Screw	 M8 × 45 mm	12		Screen holder bracket	 ● For KX-BP535 / BP635	4
⑦	Fixture (left)		2				

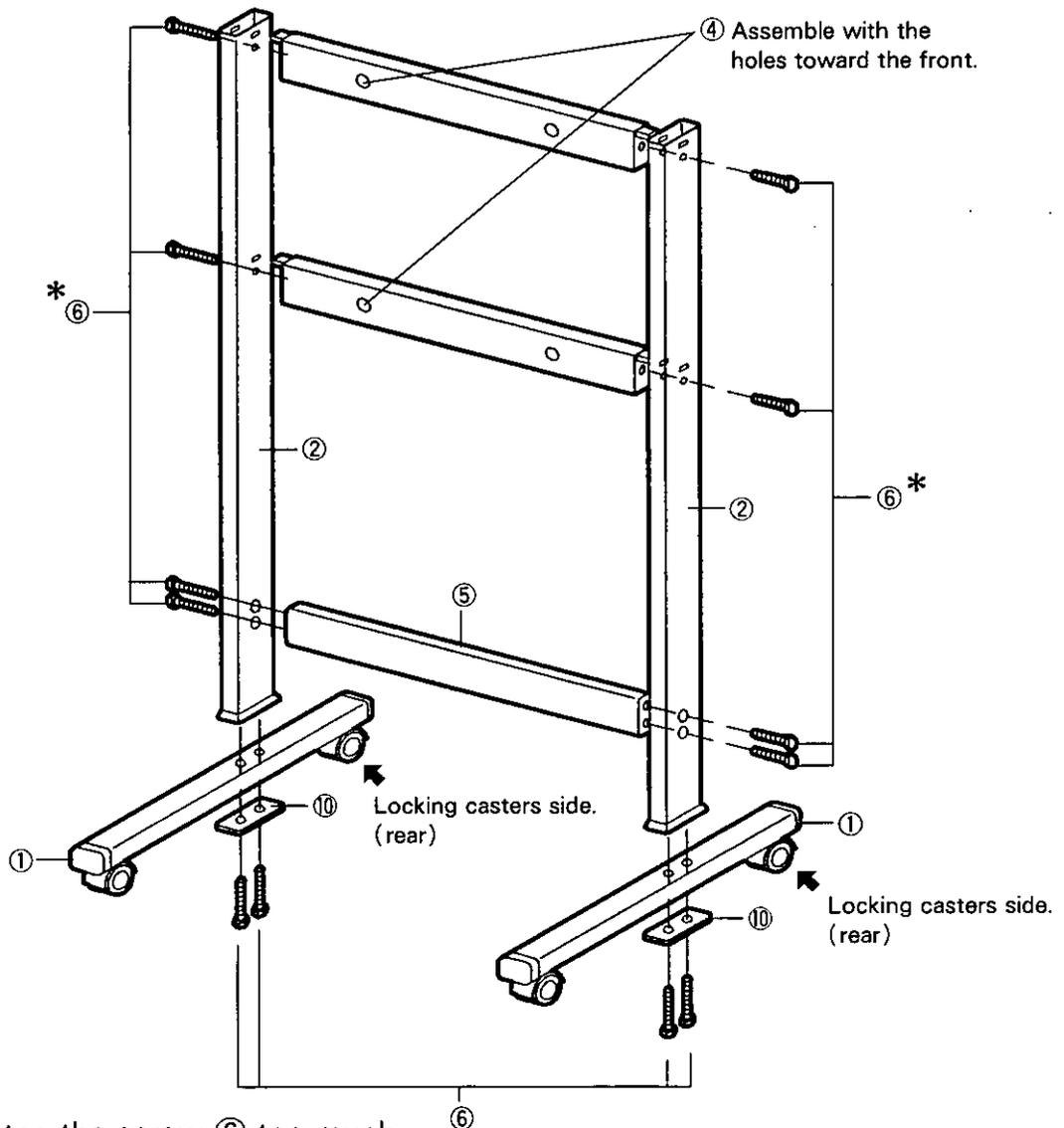
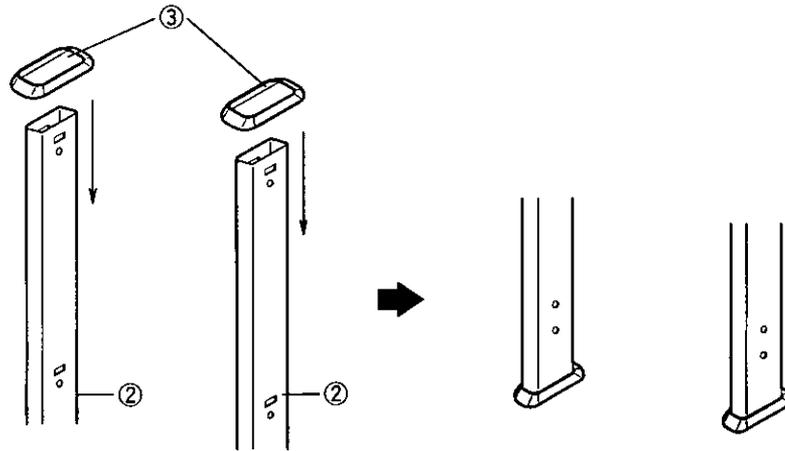
*1 The accessory Allen wrench is required when disassembling the electronic print board; please store it carefully for future use.

● Before assembly, be sure to lock the casters.



■ Assembly

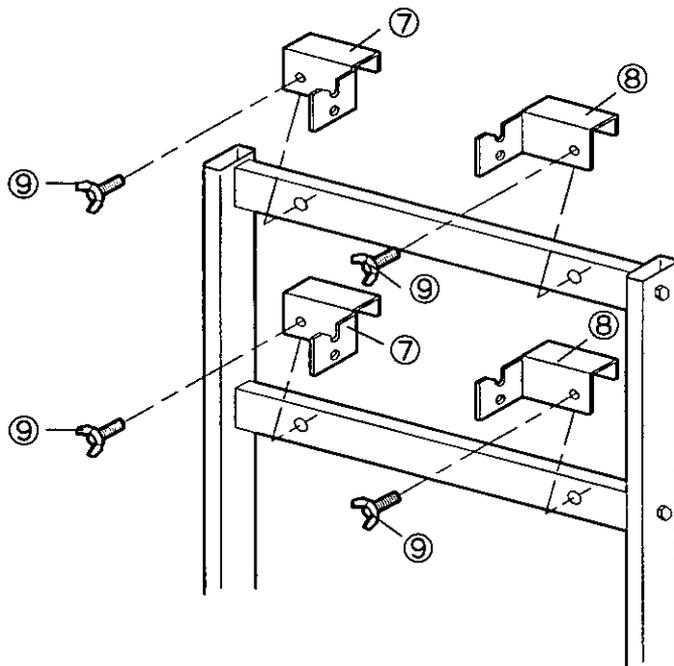
- 1 Assembling the stand
Insert the covers ③ to the pipes ②.



* Do not tighten the screw ⑥ too much.
The pipe may be deformed.

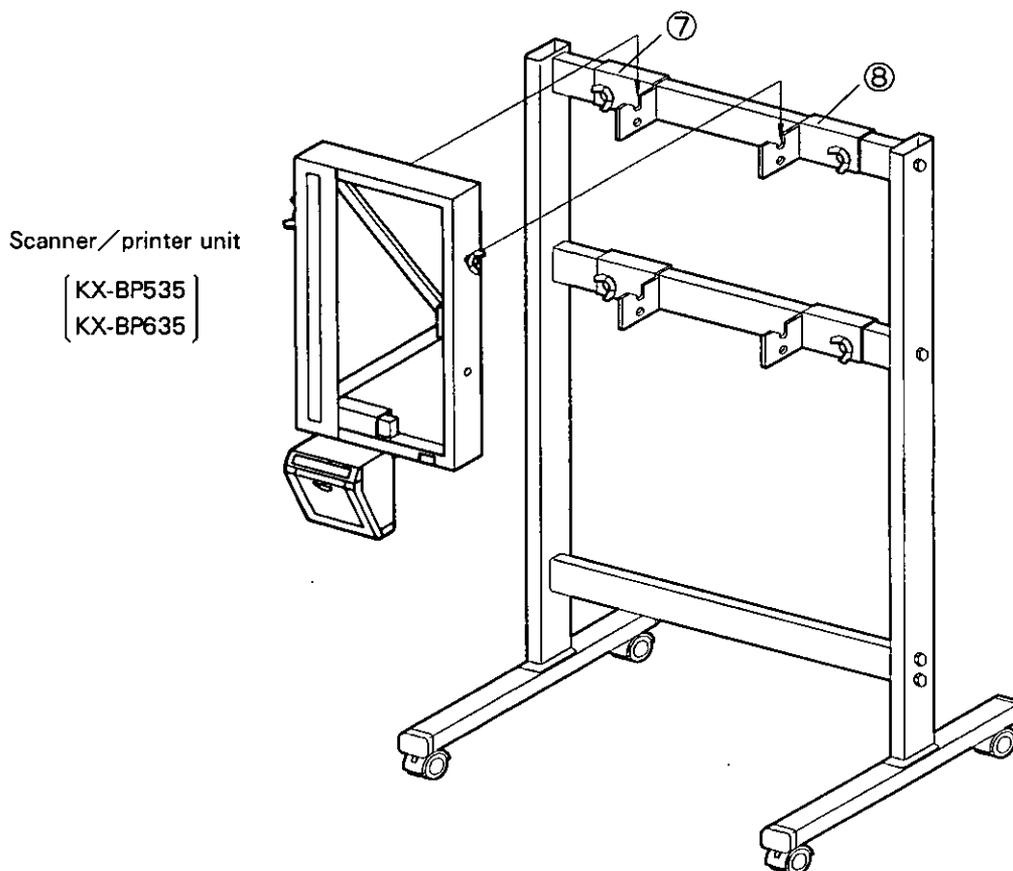
Assembling the Optional Stand (KX-B061M)

- 2** Attach the installing fixtures.
Attach the installing fixtures ⑦ ⑧ with the four wing-bolts.



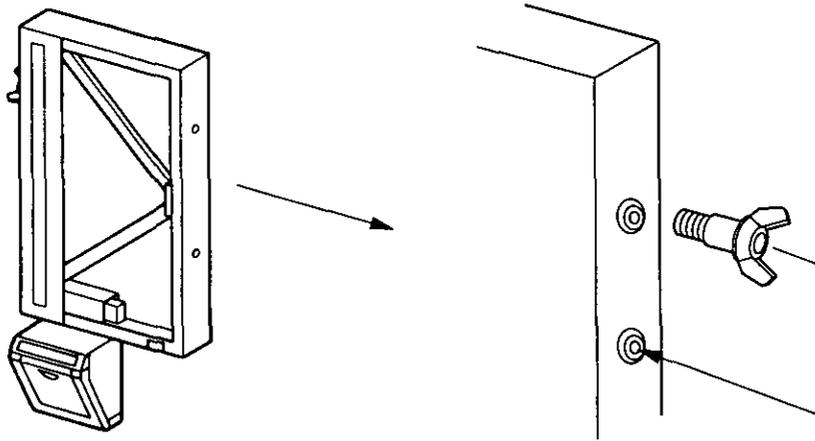
3 <For KX-BP535 / BP635 only>

- Attach the scanner / printer unit.
1. Hang the scanner / printer unit on the installing fixtures ⑦ ⑧.

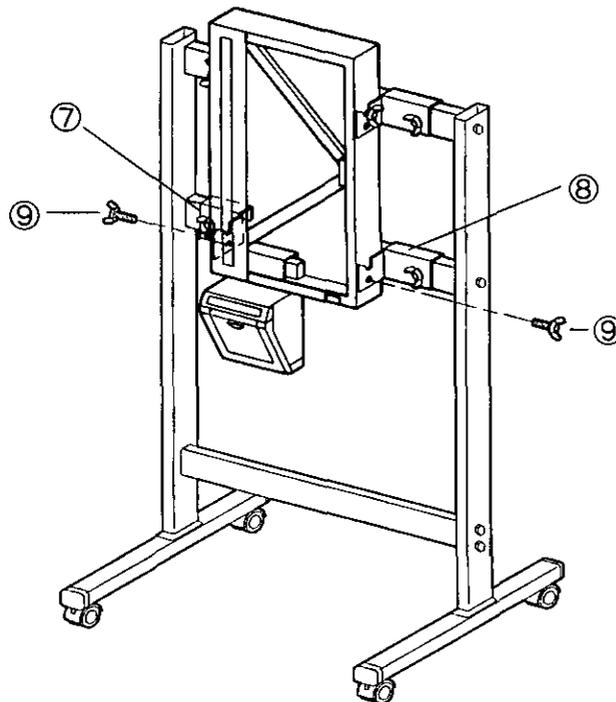


Assembling the Optional Stand (KX-B061M)

- If desired, the print board can be mounted 200 mm (7 7/8") higher (For KX-BP535/ BP635 only). Remove the wing bolt screwed to the scanner/ printer unit and attach the bolt to the position 200 mm (7 7/8") lower as shown.



2. Install the scanner/printer unit with the two wing-bolts.



4 Assemble and install the print board.

KX-BP535/ BP635 ⇒ From the step 6 at page 26

KX-BP735 ⇒ From the step 3 at page 33

Wall-mounting Kit (KX-B063)

Before attempting installation of this wall-mounting kit, we strongly recommend consulting with the building manager, engineer, or architect. The installer needs to know the type of construction used for the wall intended for this installation and the location of wall studs. Selection of hardware is critical for safe wall-mounting, and depends on the nature of wall construction. Installation should not occur until this consultation takes place.

Procedure for KX-B063 Wall-Mounting Kit Installation

I. Tools required:

- One (1) KX-B063 kit
- A minimum of eight (8) pieces of appropriate wall-support hardware (molley, toggle, etc.)

NOTE : THIS HARDWARE MUST BE LOCALLY PROCURED, IT IS NOT INCLUDED IN THE KIT.

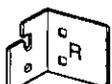
- Drill (and drill bit of correct size) for hardware installation
- Screw driver (Both phillips(+) and slotted(-) will be required.)
- Tape measure
- Tape or thumb-tacks (2pcs)
- Bubble type level

II. Pre-requisites

1. Before installation, make sure that the wall intended for installation is capable of supporting flush-mounted.
[KX-BP535 is 103 kg (227.1 lbs), KX-BP635 is 113 kg (249.1 lbs), and the KX-BP735 is 116 kg (255.7 lbs).]
2. The position of the intended installation is of adequate size for the selected Panaboard.
[KX-BP535 is 1,575 mm×1,524 mm (5' 2"×5'), KX-BP635 is 1,930 mm×1,524 mm (6' 4"×5'), and KX-BP735 is 1,676 mm×1,524 mm (5' 6"×5').]
3. An outlet is within 3 m (9' 10⁴/₃₂"), and not located behind the Panaboard.

■ Accessories

The package includes the parts noted below ; please confirm that all parts are present before beginning installation. Eight screws for mounting the fixtures on the wall are not provided. Please purchase the appropriate wall-mounting hardware (sold in stores). Refer to pages 45 and 46.

No.	Part name	Illustration, Q'ty	Order of use	No.	Part name	Illustration, Q'ty	Order of use
①	Wall-mounting fixture L	 ×2	3	④	Screw	 ×4 M4×16 mm For KX-BP535 / BP635	5
②	Wall-mounting fixture R	 ×2	3	⑤	Wall-mounting template	 ×1 For KX-BP535 / BP635 *	2
③	Wing bolt	 ×2 M5×12 mm For KX-BP535 / BP635	4				

* For KX-BP735, use the wall-mounting template provided with KX-BP735.

Wall-mounting procedure

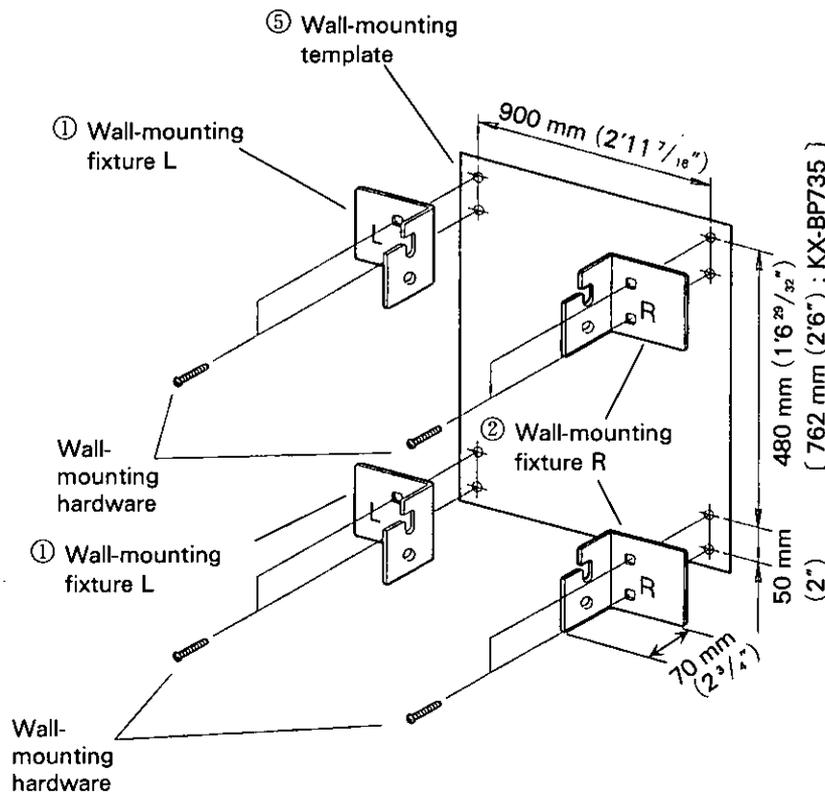
- 1 Confirm that the wall is strong enough to support the weight of the print board.

Caution:

The wall must be capable of supporting at least
 1,005 N [103 kgf (227.1 lbs)] for KX-BP535,
 1,107 N [113 kgf (249.1 lbs)] for KX-BP635 or
 1,130 N [116 kgf (255.7 lbs)] for KX-BP735.

- 2 Tape the wall-mounting template to the wall.
 - For KX-BP735, use the template provided with the print board.
 - When taping the template to the wall, make sure it is level.

- 3 1. Drill holes in the wall for the wall-mounting fixtures. (8 holes total)
2. After removing the wall-mounting template, attach the wall-mounting fixtures with the appropriate wall-mounting hardware (two screws in each fixture).

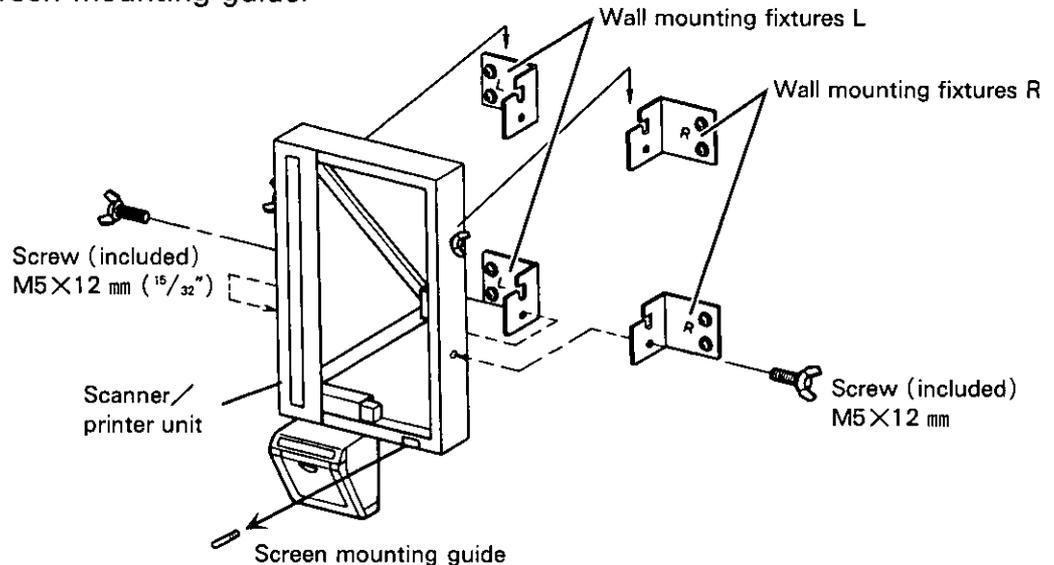


- Refer to the section "Attaching the wall-mounting fixtures" (pages 45 and 46) for drilling in the wall and attaching the mounting fixtures.
- For KX-BP735, mount the print board (refer to page 33) following this step.

Wall-mounting Kit (KX-B063)

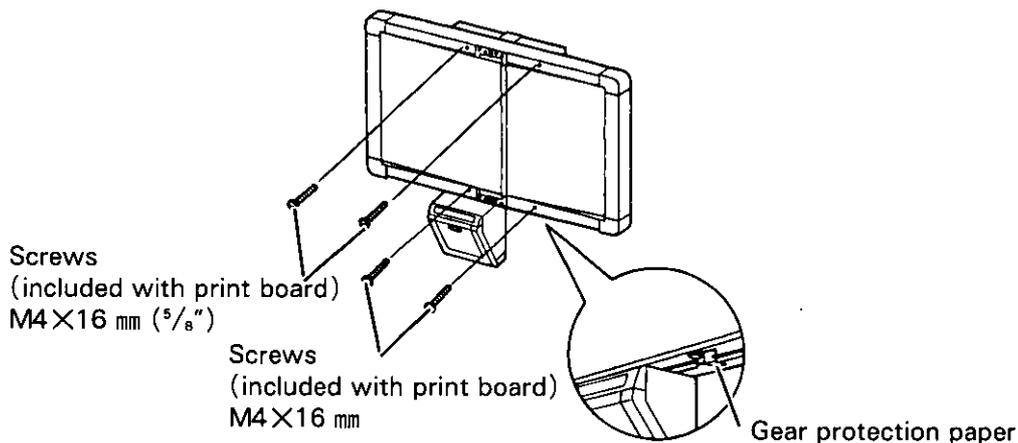
〈For KX-BP535 / BP635 only〉

- 4 1. Hang the scanner / printer unit.
2. Screw the two wing bolts into the lower side wall-mounting fixtures.
3. Remove the screen mounting guide.



Note: When mounting the scanner / printer unit, avoid banging it.
Such impact may cause the internal fluorescent lamp to break or lead to other damage.

- 5 1. Hang the screen unit on the scanner / printer unit and fix with the four provided screws.
2. Remove the paper (gear protection paper).



Note: After mounting the electronic print board, place weight gently on the print board to confirm that the wall is strong enough to support it.

- 6 Install parts to the screen unit depending on the following steps.

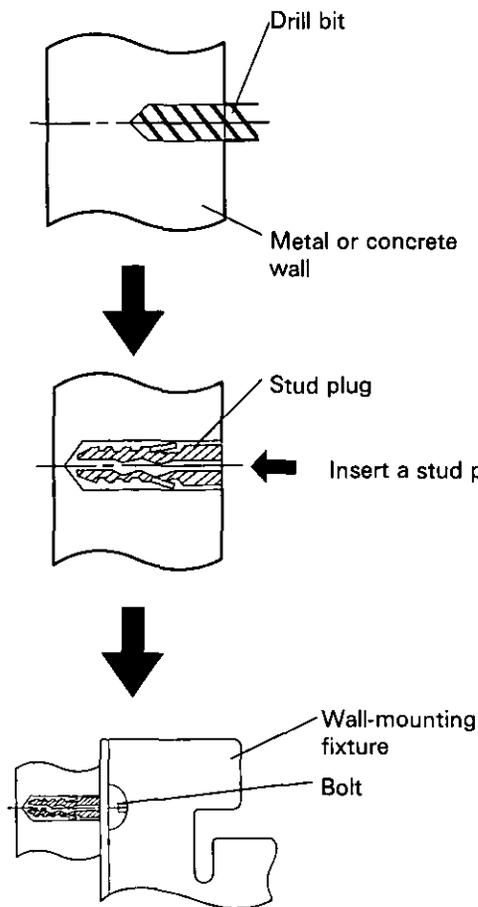
KX-BP535 / BP635 ⇨ From the step 11 at page 29.

■ Attaching the wall-mounting fixtures

The electronic print board must be mounted with the method most suited to the material of the wall. Three methods are presented here. (Other options may be available in your area.)

● Attaching to metal or concrete walls

Stud plugs (sold in stores) are needed.



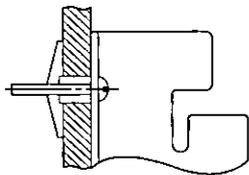
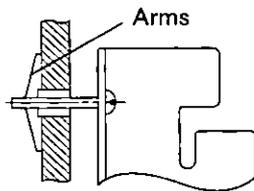
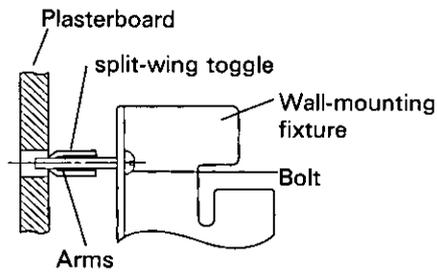
Drill eight holes in the wall. For the correct hole size, refer to the instructions for the particular stud plugs used.

Insert each bolt through a hole in the wall-mounting fixture and tighten until the wall-mounting fixture is securely fixed to the wall.

Wall-mounting Kit (KX-B063)

● Attaching to plasterboard walls

Split-wing toggles (sold in stores) are needed.



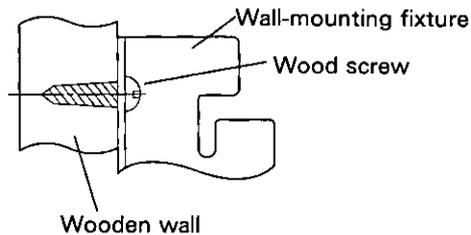
Insert each bolt through a hole in the wall-mounting fixture and into the hole in the wall beneath so that the arms of the split-wing toggle are horizontal. For the correct hole size, refer to the instructions for the particular split-wing toggles used.

After the arms expand, pull the wall-mounting fixture out until the arms of the split-wing toggle grip firmly into the wall.

Tighten each bolt until the wall-mounting fixture is securely fixed to the wall.

● Attaching to wooden walls

Use wood screws (sold in stores).



For the correct hole size, refer to the instructions for the particular wood screws used.

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