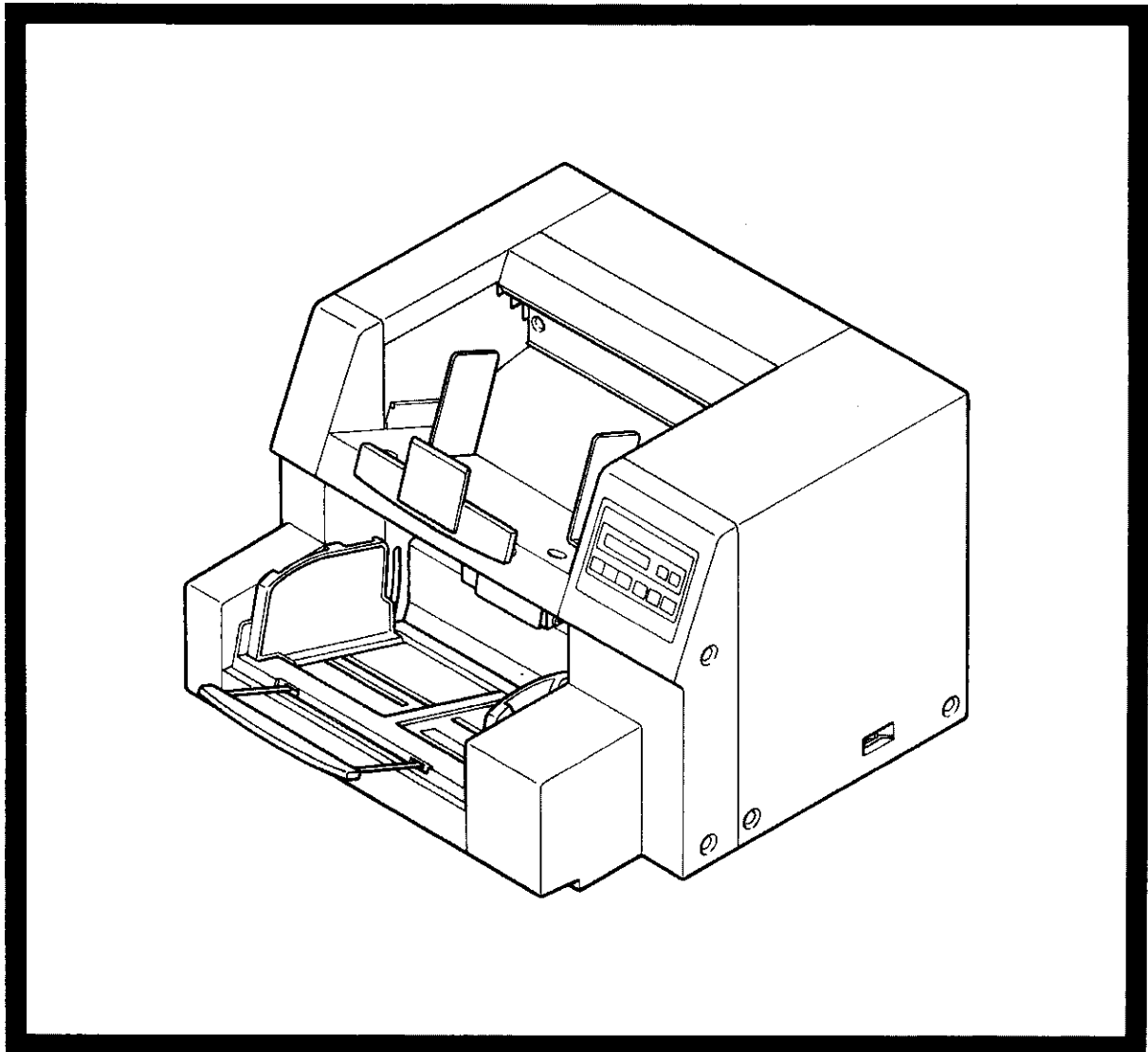


Panasonic

Operation Manual

High Speed Scanner

Model No. KV-SS855 / KV-SS855U / KV-SV855



Before using this unit, please read these instructions completely.

Thank you for purchasing a Panasonic "High Speed Scanner".

Table of Contents

	Page
Notice	3
Precautions	6
Component Identification	8
Display Panel Instructions	9
● Display panel and keys	9
● Setting the hopper position	9
● Setting the counter	10
● Setting the imprinter	11
● Entering the configuration mode	11
● Setting the SCSI (KV-SS855/KV-SS855U only)	12
● Setting the counter	13
● Setting the scanner	15
● Setting the imprinter	18
● Clearing the warnings	19
● Setting other parameters	21
Loading a Document	25
Others	28
● Scanning copying paper (such as carbon or carbonless paper)	28
● How to select the paper path for scanned document	28
● When multiple-sheet feeding occurs	28
● How to use the patch sheet	29
Clearing Paper Jams	30
Cleaning the Unit	32
Replacing the Roller Modules	37
● Replacing the paper feed roller module	37
● Replacing the retard roller module	39
Repacking Instructions	41
Specifications	42
Troubleshooting	43
Index	46

The information given in this Operation Manual is subject to change without notice.

This Operation Manual is printed on recycled paper.

Notice

Federal Communications Commission Requirements

(For United States only)

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, use, 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 and shielded interface cable. Also, any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

English

WARNING:

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

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

Français

Avertissement:

Pour éviter tout risque d'incendie ou de choc électrique, ne pas soumettre cet appareil à la pluie ou à l'humidité.

"La prise secteur devra se trouver à proximité de l'appareil et être facilement accessible."

Deutsch

Warnung:

Zur Verhütung von Feuer dem und elektrischem Schlag dieses Erzeugnis nicht Regen oder sonstiger Feuchtigkeit aussetzen.

Die Steckdose muß nahe bei diesem Gerät angebracht und leicht zugänglich sein.

Für Benutzer in der BRD



Hinweis:

Der arbeitsplatzbezogene Geräuschemissionswert dieses Gerätes beträgt ≤ 70 dB(A) nach DIN 45635 Teil 19.

Notice

For your safety please read the following text carefully.

(For United Kingdom only)

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A5 amp. fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amps. and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark  or the BSI mark  on the body of the fuse. If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safely.

There is danger of severe electrical shock if the cut off plug is inserted into any 13 amp. socket.

If a new plug is to be fitted please observe the wiring code as shown below. If in any doubt please consult a qualified electrician.

WARNING : This appliance must be earthed.

IMPORTANT : The wires in this mains lead are coloured in accordance with the following code.

Green-and-Yellow	: Earth
Blue	: Neutral
Brown	: Live

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

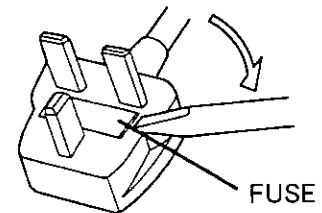
The wire which is coloured Green-and-Yellow must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol \perp or coloured Green-and-Yellow.

The wire which is coloured Blue must be connected to the terminal in the plug which is marked with the letter N or coloured Black.

The wire which is coloured Brown must be connected to the terminal in the plug which is marked with the letter L or coloured Red.

How to replace the fuse :

Open the fuse compartment with a screwdriver and replace the fuse.



English

The product should be used only with the power cord that is supplied by the manufacturer.

Français

Le produit ne devra être utilisé qu'avec le cordon d'alimentation fourni par le fabricant.

Deutsch

Dieses Gerät darf nur mit dem vom Hersteller gelieferten Netzkabel verwendet werden.

For roller cleaning paper

Before using the roller cleaning paper, please read these instructions completely.
Keep these instructions for future reference.

English

WARNING

- Do not drink or inhale the roller cleaning paper fluid.
- The roller cleaning paper may be harmful to sensitive skin, so please use protective gloves.
- Do not use the roller cleaning paper near a heater or open flame.
- Do not store the roller cleaning paper in direct sunlight or in a place over 40 °C (104 °F).
- Only use the roller cleaning paper to clean the rollers and scanning area.
- If you need more information about the roller cleaning paper, please refer to the Material Safety Data Sheet (MSDS).

KEEP AWAY FROM FIRE.

Français

Avertissement

- Ne pas boire ni respirer le liquide du papier de nettoyage de rouleaux fourni.
- Le papier de nettoyage de rouleaux pouvant être néfaste pour les peaux sensibles, utiliser des gants de protection.
- Ne pas utiliser le papier de nettoyage de rouleaux à proximité d'un feu ou d'une flamme vive.
- Ne pas ranger le papier de nettoyage de rouleaux en plein soleil ni à une température dépassant 40 °C (104 °F).
- Utiliser le papier de nettoyage de rouleaux exclusivement pour le nettoyage des rouleaux et de la surface de balayage.
- Pour tout renseignement complémentaire sur le papier de nettoyage de rouleaux, voir la feuille de données sur la sécurité du matériel.

NE PAS APPROCHER DU FEU.

Deutsch

WARNUNG

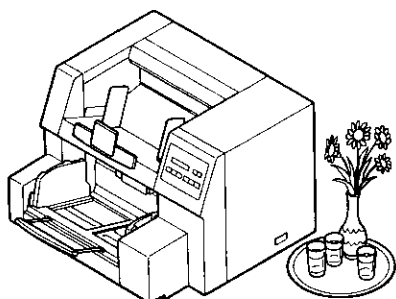
- Die mitgelieferte Walzenreinigungspapier-Flüssigkeit auf keinen Fall trinken oder inhalieren.
- Bitte Schutzhandschuhe tragen, da das Walzenreinigungspapier bei empfindlicher Haut Reizungen verursachen kann.
- Das Walzenreinigungspapier nicht in der Nähe von Heizgeräten oder offenen Flammen verwenden.
- Das Walzenreinigungspapier nicht in direkter Sonneneinstrahlung oder an Orten lagern, an denen Temperaturen von mehr als 40 °C erreicht werden.
- Zum Reinigen der Walzen und des Scanbereichs ausschließlich das Walzenreinigungspapier verwenden.
- Weitere Informationen zum Walzenreinigungspapier sind dem Material Sicherheits-Datenblatt zu entnehmen.

VON FEUER FERNHALTEN!

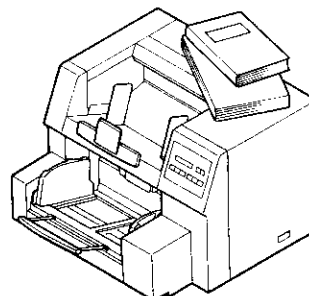
Precautions

The following precautions are recommended to extend the life of the unit.

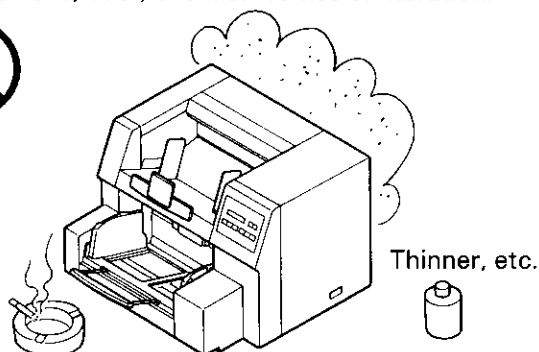
Do not place any liquids near the unit.
—Accidental spillage of a liquid into the unit may cause severe damage. If this occurs, unplug the power cord and call service.



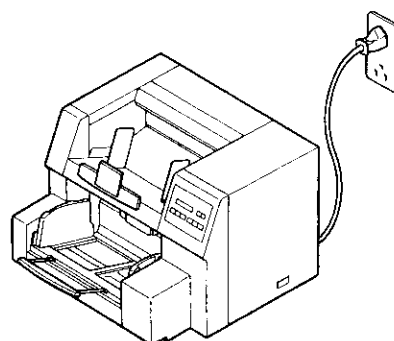
Do not place books, paper, or other items on the unit.



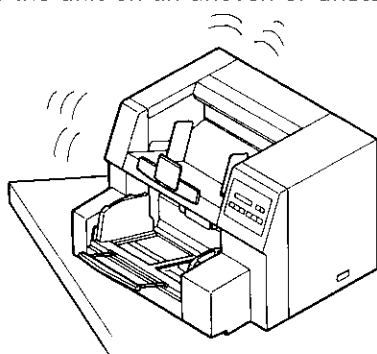
Do not place the unit in an area where there is a lot of smoke, dust, chemical fumes or vibration.



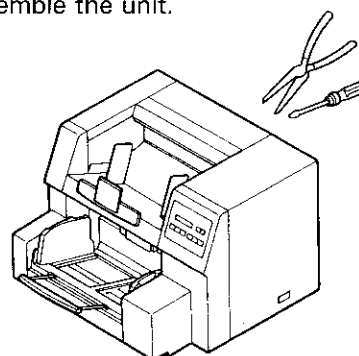
Do not continue to plug the power cord if the unit is not used for an extended period.



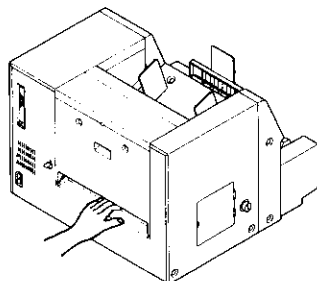
Do not place the unit on an uneven or unstable surface.



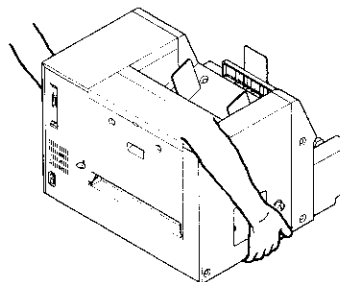
Do not disassemble the unit.



Do not insert your fingers into the back side slot of the scanner.



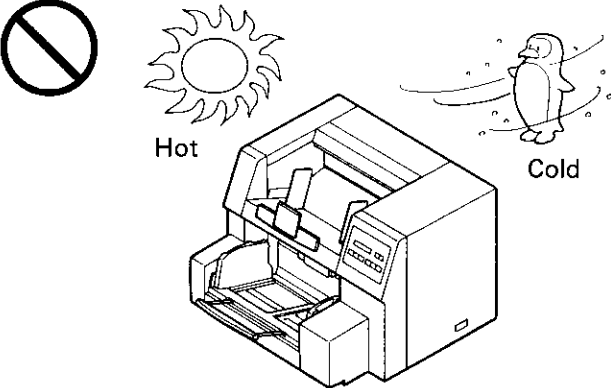
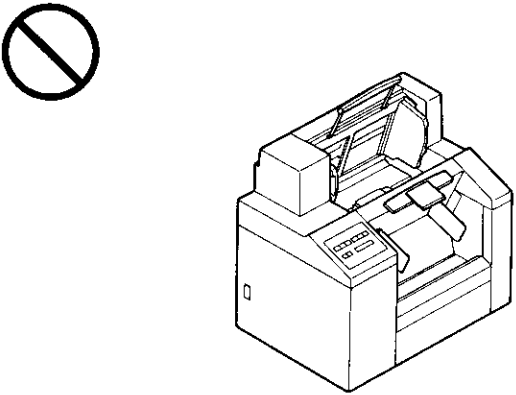
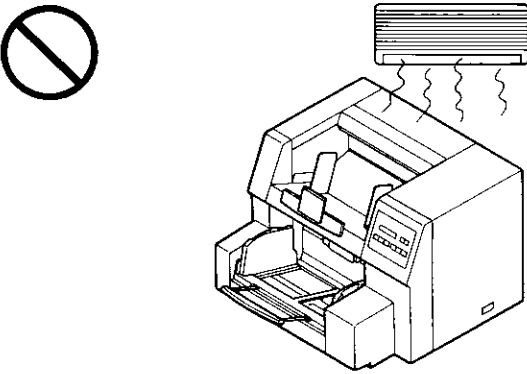
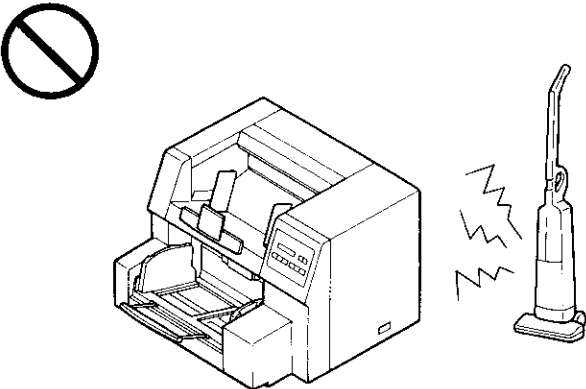
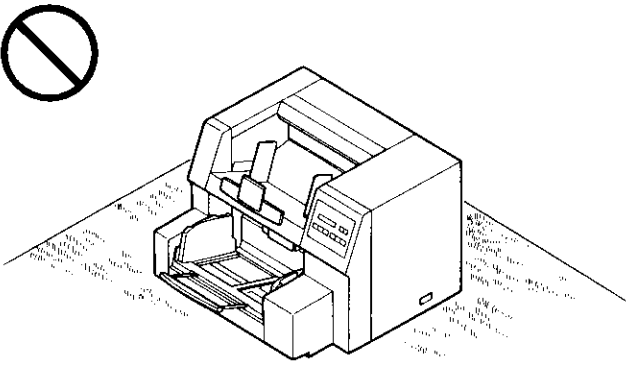
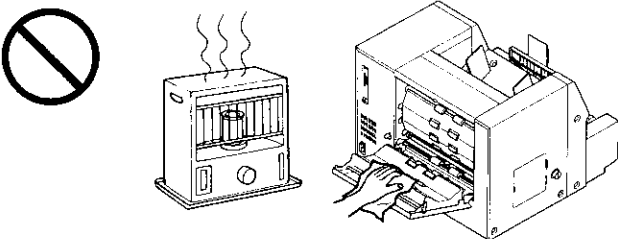
Do not have one person to carry the unit when moving it.



● Special care should be taken to protect the unit if it is used in a less than optimum environment such as a machine shop or a dusty or sandy area.

Operating Environment

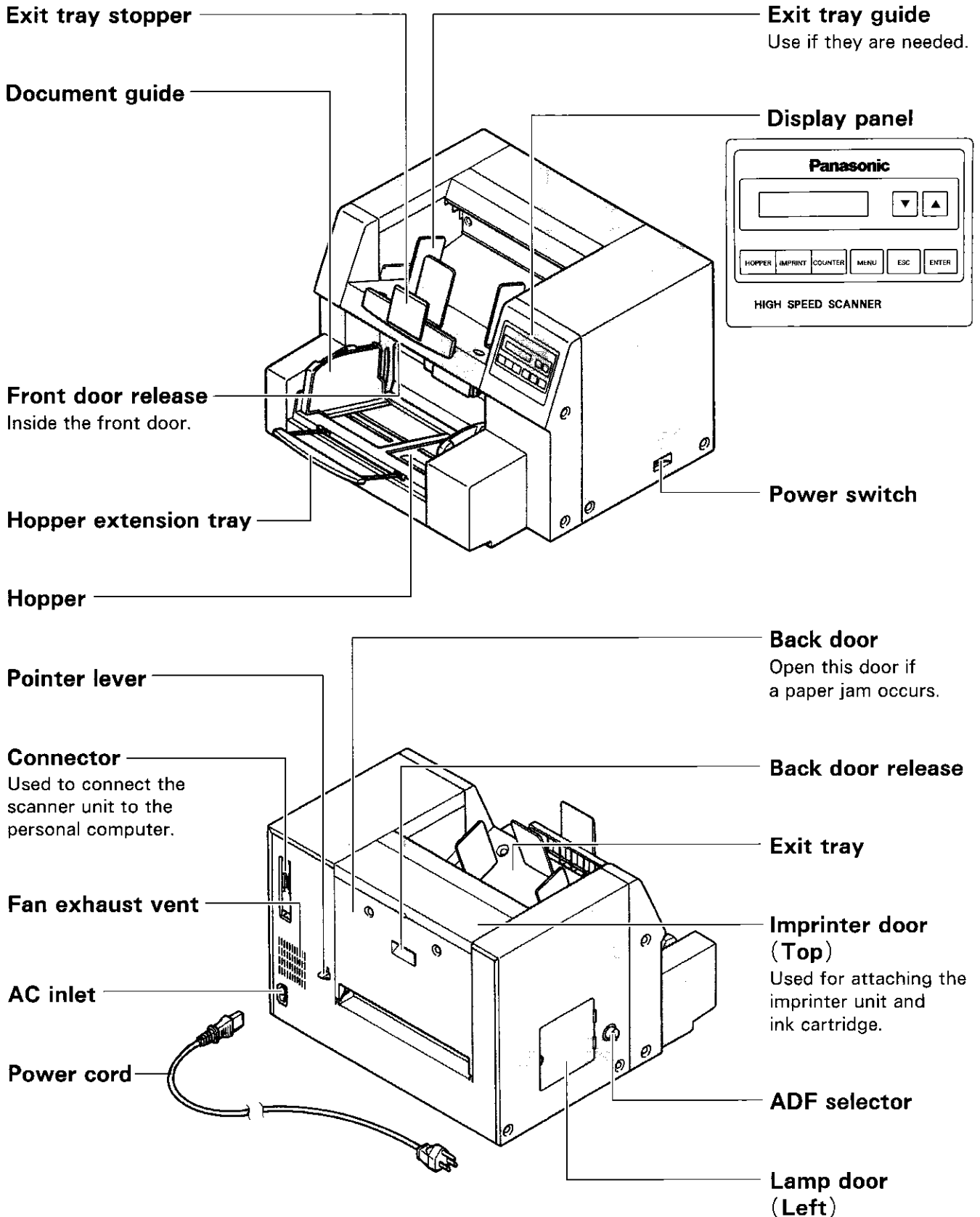
Do not subject the unit the following conditions.

<p>Do not place the unit in direct sunlight or in a cold draft.</p> 	<p>Do not use the unit in a vertical position.</p> 
<p>Do not place the unit near a heating appliance or an air conditioning vent. Do not place the unit in a room with extremely high or low humidity.</p> 	<p>Do not place the unit near other appliances.</p> 
<p>Do not place the unit on a carpet. (Static electricity can cause the unit to malfunction)</p> 	<p>Do not drink or inhale the included roller cleaning paper fluid. The roller cleaning paper may be harmful to sensitive skin, so please use protective gloves. Do not use the roller cleaning paper near a heater or open flame. ● This may cause a fire.</p> 

● Power Source

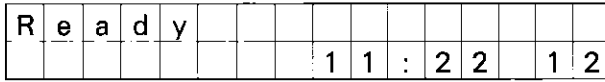
- Use a voltage level which does not vary more than $\pm 10\%$ from the voltage level marked on the nameplate (located on the rear of the scanner).
- Do not use an extension cord.
- This scanner should be connected to a grounded outlet.
- Do not use a line conditioner, transient suppressor or surge protector.

Component Identification



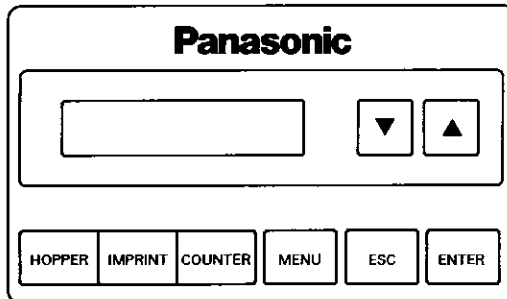
Display Panel Instructions


Before scanning the document, perform the required settings on the display. Setting information and scanner conditions are shown on the display. When setting all of the items, confirm the next display on the LCD (Liquid Crystal Display).



Current time (After scanning, the counter amount will be displayed. If any key is pressed, the display will return to the current time.)

Display panel and keys



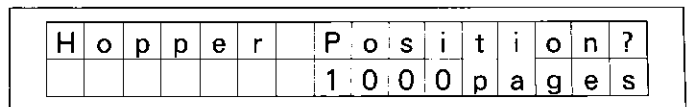
- HOPPER** : Press when changing the hopper position to the next position.
 - IMPRINT** : Press when changing the numbering print.
 - COUNTER** : Press to change the counter.
 - MENU** : Press when changing the mode setting.
 - ESC** : Press to escape each setting to the previous mode.
 - ENTER** : Press to enter each setting.
-  :

Up to 32 characters can be displayed during scanning or setting.

Setting the hopper position

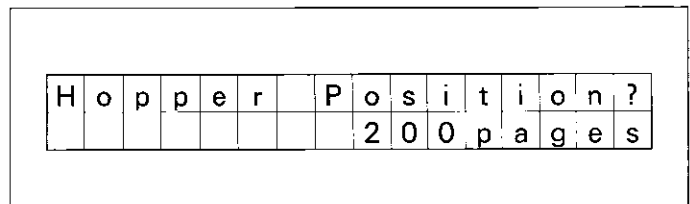
When scanning each document, the hopper will set to rise to the best position.

- 1** Press the hopper key.
 - If the desired hopper position is shown on the display, go to step 3.

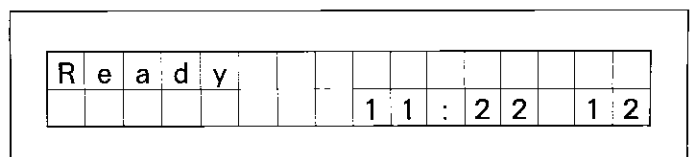


- 2** Set the best hopper position using the hopper key.
 - If the hopper key is pressed repeatedly, the display will change as follows.

→ 1000 pages → 200 pages → 1 page



- 3** Press the enter key.
 - To return to the previous setting (in step 1), press the esc key.
 - The scanner will return to the normal scanning position.

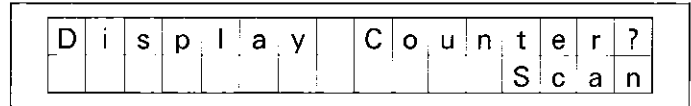


Display Panel Instructions

■ Setting the counter

The number of pages scanned can be displayed on the LCD in 4 different ways.

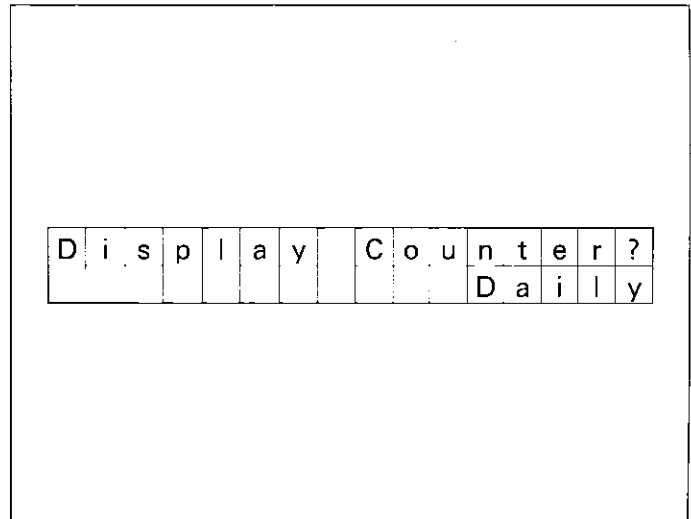
- 1** Press the counter key.
- If the desired method is displayed on the LCD, then go to step 3.



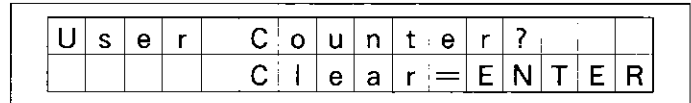
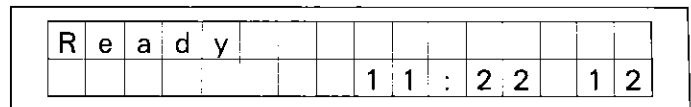
- 2** Select the desired method using the counter key.
- If the counter key is pressed repeatedly, the display will change as follows.

→ Scan → User → Daily → Total →

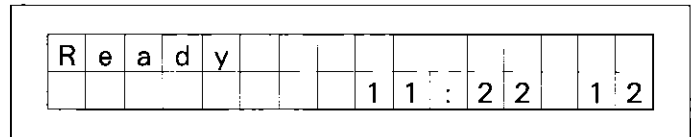
Scan:After scanning one time, the scanner counter will be cleared.
User:The user can clear the scanner counter when necessary.
Daily:The scanner counter will be cleared everyday.
Total:The total amount of scanned documents up to now will be displayed.



- 3** Press the enter key.
- To return to the previous setting (in step 1), press the esc key.
 - If you set "User" in step 2, the display will show as the one to the right.



- 4** To change the scanner counter to "0", press the enter key.
 If the scanner counter does not change to "0", press the esc key.



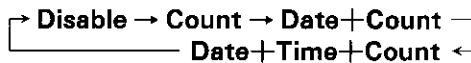
■ Setting the imprinter

Depending on the setting of "Setting the counter", page number of the scanned document will be printed. The imprinter unit option is required. If a personal computer is connected, there may be settings required on the personal computer as well.

- 1 Press the imprint key.
 - If the desired print information is displayed, go to step 3.

P	r	i	n	t		D	a	t	a	?					
											C	o	u	n	t

- 2 Select the desired printing using the imprint key.
 - If the Imprint key is pressed repeatedly, the display will change as follows.



- Disable** :The unit will not print.
- Count** :The scanned page number will be printed.
- Date and Count** :The scanned date and page number will be printed.
- Date, Time and Count** :The scanned date, time and page number will be printed.

When the imprinter unit option is not installed, "Disable" will remain on the display.

P	r	i	n	t		D	a	t	a	?										
						D	a	t	e	+	T	i	m	e	+	C	o	u	n	t

- 3 Press the enter key.
 - To return the setting to the previous one (in step 1), press the esc key.

R	e	a	d	y										
								1	1	:	2	2	1	2

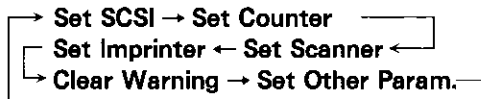
■ Entering the configuration mode

- 1 Press the menu key.
 - The configuration mode is entered. To return to the normal scanning mode, press the esc key.

C	o	n	f	i	n	g	.		M	o	d	e		
---	---	---	---	---	---	---	---	--	---	---	---	---	--	--

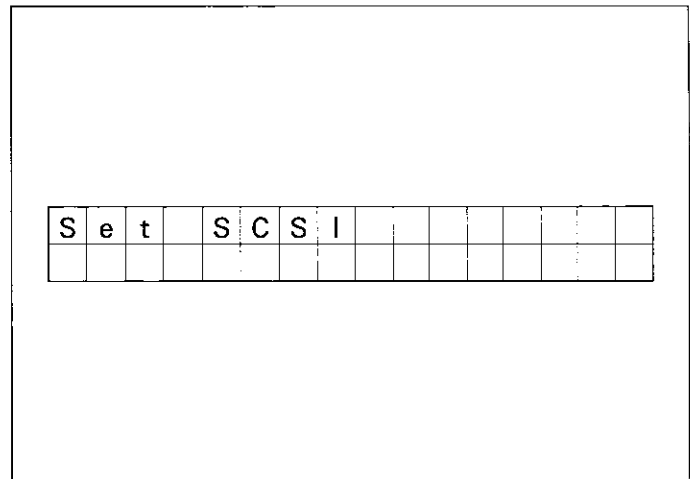
Display Panel Instructions

- 2** Press the enter key.
- After entering the configuration mode, pressing the menu key repeatedly will change the LCD as follows. Select the desired mode using the menu key.



If the imprinter unit option is not installed, "Set Imprinter" will not be displayed.

For the KV-SV855, "Set SCSI" will not be displayed.

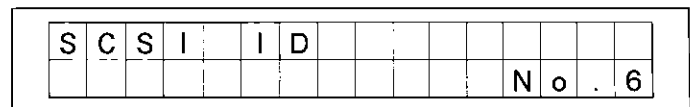


■ Setting the SCSI (KV-SS855/KV-SS855U only)

You can set the SCSI ID, terminator and product ID. The product ID setting depends on the personal computer scanner application which you are using.

● Setting the SCSI ID

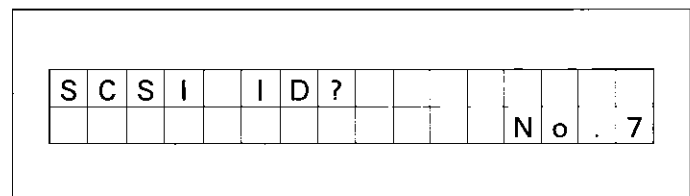
- 1** When "Set SCSI" is displayed, press the enter key.



- 2** Use the ▼ key or ▲ key to select the desired setting.

- The ▲ key moves to the next ID as shown below.
- The ▼ key moves to the previous ID.

→ 0 → 1 → 2 → 3 → 4 → 5 → 6 → 7 →

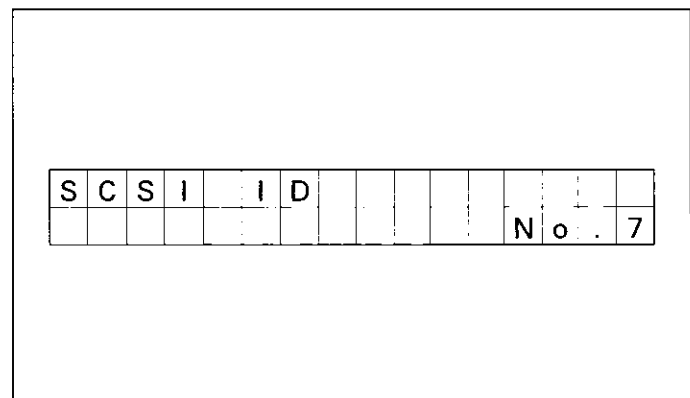


- 3** Press the enter key.

- To return the setting to the previous one (in step 1), press the esc key.
- After entering the SCSI ID setting mode, pressing the menu key repeatedly will change the display as follows. Use the menu key to select the desired setting.

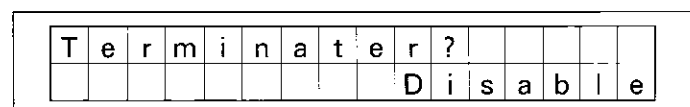
→ SCSI ID → Terminator → Product ID →

- The new SCSI setting will be activated when the power is turned off and turned back on.



● Setting the terminator

- 1** Press the menu key until "Terminator" is displayed.



2 Use the ▼ key or ▲ key to select "Enable" or "Disable".

T	e	r	m	i	n	a	t	e	r	?					
										E	n	a	b	l	e

3 Press the enter key.

- The return to the previous setting (in step 1), press the esc key.
- Set the terminator to "Enable" when: Connecting only one scanner to the personal computer, or Connecting other units and a scanner (last) to the personal computer.
- The internal terminator in the scanner will only work when the scanner power is on. If the internal terminator in the scanner is set to "Enable", be sure that the scanner is turned on when using the personal computer.

T	e	r	m	i	n	a	t	e	r						
										E	n	a	b	l	e

● **Setting the product ID**

1 Press the menu key until "Product ID" is displayed.

P	r	o	d	u	c	t		I	D						
								K	V	-	S	S	8	5	5

2 Use the ▼ key or ▲ key to select the desired unit.

- The ▲ key moves to the next setting as shown below. The ▼ key moves to the previous setting.



P	r	o	d	u	c	t		I	D	?				
								K	V	-	S	S	2	5

3 Press the enter key.

- To return to the previous setting (in step 1), press the esc key.

P	r	o	d	u	c	t		I	D					
								K	V	-	S	S	2	5

■ **Setting the counter**

You can set the counter to one of the following.

- User Counter : The user can reset the counter.
- Daily Counter : The counter will be reset to "0" at the end of the day. (0:00 am or 4:00 am)
- System Counter: The total amount of scanned documents up to now will be displayed. If you would like to change this setting, consult with your service dealer.

1 Press the menu key until "Set Counter" is displayed.

S	e	t		C	o	u	n	t	e	r				

Display Panel Instructions

2 Press the enter key.

U	s	e	r	C	o	u	n	t	e	r			
						1	2	3	4	5		+	1

3 Press the enter key.

U	s	e	r	C	o	u	n	t	e	r				
						<	1	2	3	4	5	>	+	1

4 Use the ▼ key or the ▲ key to change the user counter amount.

- Pressing the ▼ key or ▲ key continuously will change the user counter amount by ten.

U	s	e	r	C	o	u	n	t	e	r	?			
						<	1	2	3	4	8	>	+	1

5 Press the enter key.

U	s	e	r	C	o	u	n	t	e	r	?			
						1	2	3	4	8	<	+	1	>

6 Using the same procedure in step 4, change the scanner user counter extender.

U	s	e	r	C	o	u	n	t	e	r	?			
						1	2	3	4	8	<	+	4	>

7 Press the enter key.

- After making user counter changes, the display will show as shown to the right. Even if no changes are made, the display will also show as to the right. Go to step 8.
- To return to the previous setting (in step 1), press the esc key.

U	s	e	r	C	o	u	n	t	e	r			
						1	2	3	4	8		+	4

U	s	e	r	C	o	u	n	t	e	r	?					
						C	l	e	a	r	=	E	N	T	E	R

8 Press the enter key.

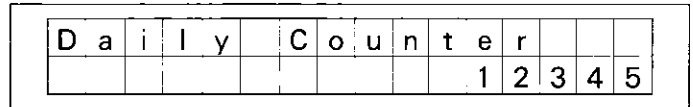
- After entering the counter setting mode, pressing the menu key repeatedly will change the display as follows. Use the menu key to select the desired setting.

→ User Counter → Daily Counter
 ← System Counter ←

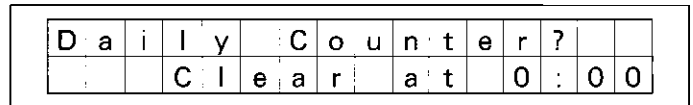
U	s	e	r	C	o	u	n	t	e	r	?					
						C	l	e	a	r	=	E	N	T	E	R

● Setting the daily counter

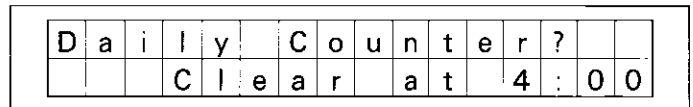
- 1 Press the menu key until "Daily Counter" is displayed.



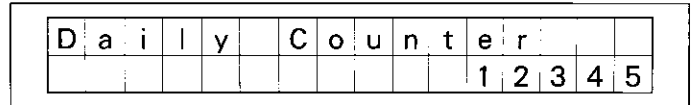
- 2 Press the enter key.



- 3 Use the ▼ key or ▲ key to set "0:00" or "4:00".

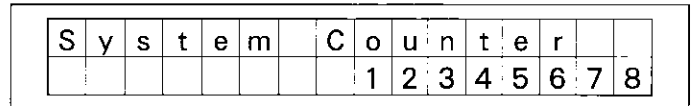


- 4 Press the enter key.
 - To return to the previous setting (in step 1), press the esc key.

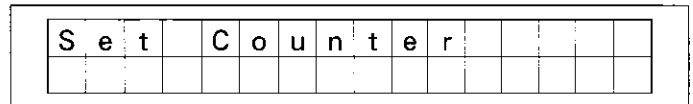


● Checking the system counter

- 1 Press the menu key until "System Counter" is displayed.



- 2 Confirm the scanner counter and press the esc key.



■ Setting the scanner

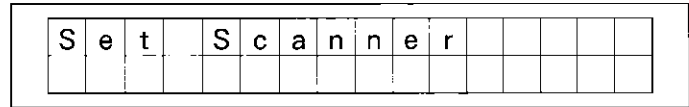
You can set the following depending on the document's scanning condition.

- Scanning Side : Sets the scanning side.
When you cannot set from the personal computer, use the "Scanning Side" setting. When the setting becomes unnecessary, return the setting back to "Host".
- Halftone Front : Sets the gradation when scanning the front side of a document.
- Halftone Back : Sets the gradation when scanning the back side of a document.
- Brightness Front : Sets the density when scanning the front side of a document.
- Brightness Back : Sets the density when scanning the back side of a document.
- Contrast Front : Sets the contrast when scanning the front side of a document.
- Contrast Back : Sets the contrast when scanning the back side of a document.
- Image Emphasis Front: Sets the resolution when scanning the front side of a document.
- Image Emphasis Back : Sets the resolution when scanning the back side of a document.
- Noise Reduction Front: Sets the noise reduction when scanning the front side of a document.
- Noise Reduction Back : Sets the noise reduction when scanning the back side of a document.
- Double Feed : Sets whether or not to detect double feeding.
- Feed Speed : Sets the feed speed when a document is being scanned.
- Black Line Remove : Sets whether or not to remove the black lines which appear at the top and bottom of the image after scanning the document.

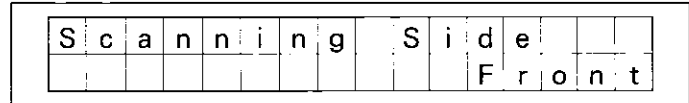
Display Panel Instructions

● Setting the scanning side

- 1** Press the menu key until "Set Scanner" is displayed.



- 2** Press the enter key.



- 3** Use the ▼ key or the ▲ key to select the desired scanning side.

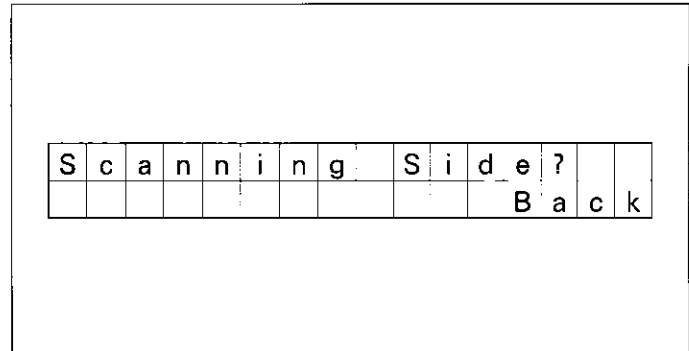
- Pressing the ▲ key will show the next setting. Pressing the ▼ key will show the previous setting.

→ Host → Front → Back

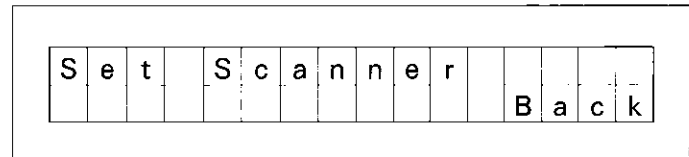
Host : Follows the personal computer settings.

Front: Scans the front side.

Back : Scans the back side.



- 4** Press the enter key.
- To return to the previous setting (in step 2), press the esc key. The LCD will return to the display shown in step 1.



● Setting other scanning conditions

- 1** Press the menu key until the desired menu is displayed. (See page 17.)

- 2** Use the ▼ key or ▲ key to select the desired condition.

- 3** Press the enter key.
- To return to the previous setting (in step 1), press the esc key. The LCD will return to the display "Set Scanner".

Scanning condition settings

Menu	Setting contents	Confirming the setting																																
Change using the menu key.	Pressing the ▲ key changes to the next option. Pressing the ▼ key changes to the previous option.	Fix by pressing the enter key.																																
Halftone Front	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → Binary → Bayer dither 64 Halftone dot 32 ← Bayer dither 16 ← Halftone dot 64 → Error diffusion </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>H</td><td>a</td><td>l</td><td>f</td><td>t</td><td>o</td><td>n</td><td>e</td><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td></td><td></td></tr> <tr><td>B</td><td>a</td><td>y</td><td>e</td><td>r</td><td>D</td><td>i</td><td>t</td><td>h</td><td>e</td><td>r</td><td>6</td><td>4</td><td></td><td></td></tr> </table>	H	a	l	f	t	o	n	e	F	r	o	n	t			B	a	y	e	r	D	i	t	h	e	r	6	4				
H	a	l	f	t	o	n	e	F	r	o	n	t																						
B	a	y	e	r	D	i	t	h	e	r	6	4																						
Halftone Back	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → Binary → Bayer dither 64 Halftone dot 32 ← Bayer dither 16 ← Halftone dot 64 → Error diffusion </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>H</td><td>a</td><td>l</td><td>f</td><td>t</td><td>o</td><td>n</td><td>e</td><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td></td></tr> <tr><td>B</td><td>a</td><td>y</td><td>e</td><td>r</td><td>D</td><td>i</td><td>t</td><td>h</td><td>e</td><td>r</td><td>6</td><td>4</td><td></td></tr> </table>	H	a	l	f	t	o	n	e	B	a	c	k			B	a	y	e	r	D	i	t	h	e	r	6	4					
H	a	l	f	t	o	n	e	B	a	c	k																							
B	a	y	e	r	D	i	t	h	e	r	6	4																						
Brightness Front	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → 1 → 2 → 3 → → 255 </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>B</td><td>r</td><td>i</td><td>g</td><td>h</td><td>t</td><td>n</td><td>e</td><td>s</td><td>s</td><td></td><td></td><td></td><td></td></tr> <tr><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td></td><td></td><td></td><td></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td></tr> </table>	B	r	i	g	h	t	n	e	s	s					F	r	o	n	t						H	o	s	t				
B	r	i	g	h	t	n	e	s	s																									
F	r	o	n	t						H	o	s	t																					
Brightness Back	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → 1 → 2 → 3 → → 255 </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>B</td><td>r</td><td>i</td><td>g</td><td>h</td><td>t</td><td>n</td><td>e</td><td>s</td><td>s</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>8</td><td></td></tr> </table>	B	r	i	g	h	t	n	e	s	s					B	a	c	k							1	2	8					
B	r	i	g	h	t	n	e	s	s																									
B	a	c	k							1	2	8																						
Contrast Front	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → 1 → 2 → 3 → → 255 </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>C</td><td>o</td><td>n</td><td>t</td><td>r</td><td>a</td><td>s</td><td>t</td><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td></tr> </table>	C	o	n	t	r	a	s	t	F	r	o	n	t																2			
C	o	n	t	r	a	s	t	F	r	o	n	t																						
													2																					
Contrast Back	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → 1 → 2 → 3 → → 255 </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>C</td><td>o</td><td>n</td><td>t</td><td>r</td><td>a</td><td>s</td><td>t</td><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td><td>5</td><td>5</td><td></td><td></td></tr> </table>	C	o	n	t	r	a	s	t	B	a	c	k														2	5	5				
C	o	n	t	r	a	s	t	B	a	c	k																							
										2	5	5																						
Image Emphasis Front	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → None → Low → Medium Smooth ← High ← </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>I</td><td>m</td><td>a</td><td>g</td><td>e</td><td>E</td><td>m</td><td>p</td><td>h</td><td>a</td><td>s</td><td>i</td><td>s</td><td></td><td></td></tr> <tr><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td></td><td></td><td></td><td></td><td></td><td>S</td><td>m</td><td>o</td><td>o</td><td>t</td><td>h</td></tr> </table>	I	m	a	g	e	E	m	p	h	a	s	i	s			F	r	o	n	t						S	m	o	o	t	h	
I	m	a	g	e	E	m	p	h	a	s	i	s																						
F	r	o	n	t						S	m	o	o	t	h																			
Image Emphasis Back	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → None → Low → Medium Smooth ← High ← </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>I</td><td>m</td><td>a</td><td>g</td><td>e</td><td>E</td><td>m</td><td>p</td><td>h</td><td>a</td><td>s</td><td>i</td><td>s</td><td></td><td></td></tr> <tr><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td></td><td></td><td></td><td></td><td></td><td>M</td><td>e</td><td>d</td><td>i</td><td>u</td><td>m</td></tr> </table>	I	m	a	g	e	E	m	p	h	a	s	i	s			B	a	c	k							M	e	d	i	u	m	
I	m	a	g	e	E	m	p	h	a	s	i	s																						
B	a	c	k							M	e	d	i	u	m																			
Noise Reduction Front	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → None → 1×1 → 2×2 6×6 ← 5×5 ← 4×4 ← 3×3 ← </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>N</td><td>o</td><td>i</td><td>s</td><td>e</td><td>R</td><td>e</td><td>d</td><td>u</td><td>c</td><td>t</td><td>i</td><td>o</td><td>n</td><td></td><td></td></tr> <tr><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N</td><td>o</td><td>n</td><td>e</td></tr> </table>	N	o	i	s	e	R	e	d	u	c	t	i	o	n			F	r	o	n	t								N	o	n	e
N	o	i	s	e	R	e	d	u	c	t	i	o	n																					
F	r	o	n	t								N	o	n	e																			
Noise Reduction Back	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → None → 1×1 → 2×2 6×6 ← 5×5 ← 4×4 ← 3×3 ← </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>N</td><td>o</td><td>i</td><td>s</td><td>e</td><td>R</td><td>e</td><td>d</td><td>u</td><td>c</td><td>t</td><td>i</td><td>o</td><td>n</td><td></td><td></td></tr> <tr><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>×</td><td>1</td><td></td></tr> </table>	N	o	i	s	e	R	e	d	u	c	t	i	o	n			B	a	c	k									1	×	1	
N	o	i	s	e	R	e	d	u	c	t	i	o	n																					
B	a	c	k									1	×	1																				
Double Feed	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → Not detect → Detect </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>D</td><td>o</td><td>u</td><td>b</td><td>l</td><td>e</td><td>F</td><td>e</td><td>e</td><td>d</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D</td><td>e</td><td>t</td><td>e</td><td>c</td><td>t</td></tr> </table>	D	o	u	b	l	e	F	e	e	d																D	e	t	e	c	t	
D	o	u	b	l	e	F	e	e	d																									
										D	e	t	e	c	t																			
Feed Speed	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Normal → Slow </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>F</td><td>e</td><td>e</td><td>d</td><td>S</td><td>p</td><td>e</td><td>e</td><td>d</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N</td><td>o</td><td>r</td><td>m</td><td>a</td><td>l</td></tr> </table>	F	e	e	d	S	p	e	e	d																	N	o	r	m	a	l	
F	e	e	d	S	p	e	e	d																										
										N	o	r	m	a	l																			
Black Line Remove	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Host → Disable → Enable </div>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>B</td><td>L</td><td>K</td><td>L</td><td>i</td><td>n</td><td>e</td><td>R</td><td>e</td><td>m</td><td>o</td><td>v</td><td>e</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td>n</td><td>a</td><td>b</td><td>l</td><td>e</td></tr> </table>	B	L	K	L	i	n	e	R	e	m	o	v	e													E	n	a	b	l	e	
B	L	K	L	i	n	e	R	e	m	o	v	e																						
										E	n	a	b	l	e																			

Display Panel Instructions

■ Setting the imprinter

The imprinter unit option is required.

Sets the printing and printing position of page number of the scanned document.

● Setting the imprint data

- 1** Press the menu key until "Set Imprinter" is displayed.

S	e	t		I	m	p	r	i	n	t	e	r		

- 2** Press the enter key.

P	r	i	n	t		D	a	t	a	?										
						D	a	t	e	+	T	i	m	e	+	C	o	u	n	t

- 3** Use the ▼ key or the ▲ key to select the desired printing.

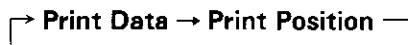
- Pressing the ▲ key changes to the next option.

Pressing the ▼ key changes to the previous option.



P	r	i	n	t		D	a	t	a	?					
						D	a	t	e	+	C	o	u	n	t

- 4** Press the enter key.
- After entering the imprint setting mode, pressing the menu key will change the display as follows. Use the menu key to select the desired setting.



- To return to the previous setting (in step 2), press the esc key.

P	r	i	n	t		D	a	t	a						
						D	a	t	e	+	C	o	u	n	t

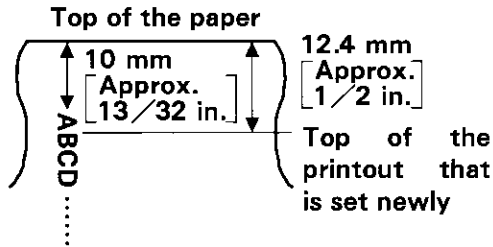
● Setting the print position

- 1** Press the menu key until "Print Position" is displayed.

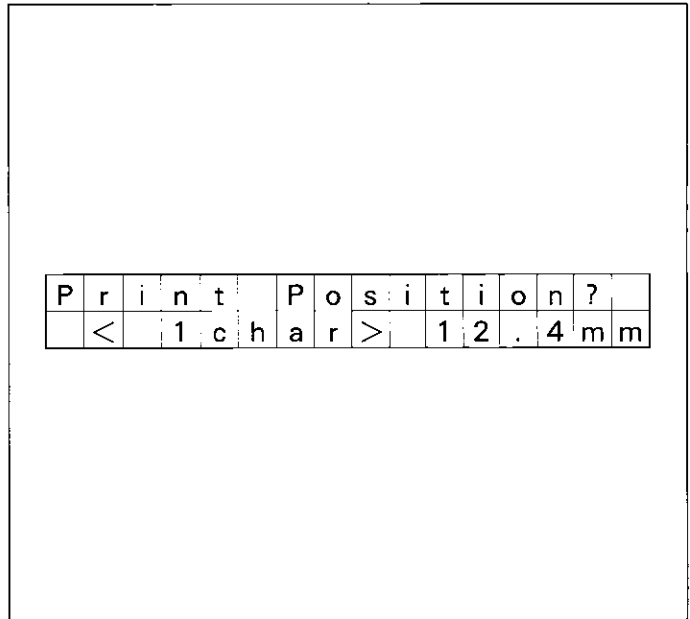
P	r	i	n	t		P	o	s	i	t	i	o	n	?				
						<	0	c	h	a	r	>	1	0	.	0	m	m

2 Use the ▼ key or the ▲ key to select the desired print position.

- The printout, by the display shown above, will print starting 12.4 mm (approx. 1/2 in.) from the top of the paper, but this position can also be changed by the print position setting.

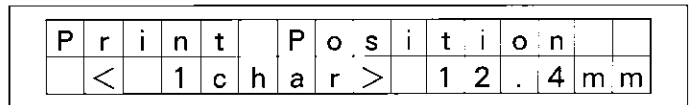


For the setting shown on the right, the "B" position will become the beginning of the printout.



3 Press the enter key.

- To return to the previous LCD setting (in step 1), press the esc key.



■ Clearing the warnings

You can clear the following warnings on the display.

Clean Roller : The alarm tells you it is time to check the roller. If it is near 100%, clean the roller.

See "Cleaning the Unit" on page 32.

Replace Roller : The alarm tells you the roller needs to be changed. If it is near 100%, replace the paper feed roller module and retard roller module.

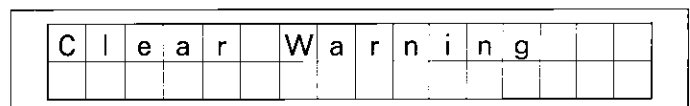
See "Replacing the Roller Modules" on page 37.

Replace F-Lamp: The alarm tells you the front side scanning lamp needs to be changed. If it is near 100%, ask your dealer to replace the front side lamp module.

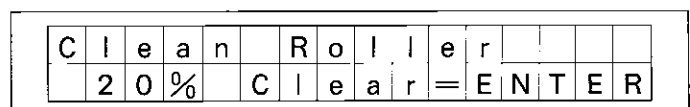
Replace B-Lamp: The alarm tells you the back side scanning lamp needs to be changed. If it is near 100%, ask your dealer to replace the back side lamp module.

● To clear the roller cleaning

1 Press the menu key until "Clear Warning" is displayed.

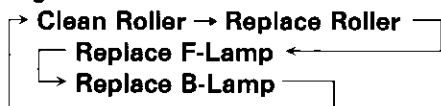


2 Press the enter key.



Display Panel Instructions

- 3** Press the enter key.
- To return to the previous setting (in step 2), press the esc key. The LCD will return to the display shown in step 1.
 - After entering the warning display mode, pressing the menu key will change the display as follows. Use the menu key to select the desired setting.



C	l	e	a	n	R	o	l	l	e	r				
		0	%	C	l	e	a	r	=	E	N	T	E	R

● To clear other warnings

- 1** Press the menu key until the desired warning is displayed.

Warning display for replacing the roller

R	e	p	l	c	e	R	o	l	l	e	r				
		2	0	%	C	l	e	a	r	=	E	N	T	E	R

Warning display for replacing the front side lamp module

R	e	p	l	c	e	F	-	L	a	m	p				
		2	0	%	C	l	e	a	r	=	E	N	T	E	R

Warning display for replacing the back side lamp module

R	e	p	l	c	e	B	-	L	a	m	p				
		2	0	%	C	l	e	a	r	=	E	N	T	E	R

- 2** Press the enter key.
- To return to the previous setting (in step 1), press the esc key. The LCD will return to the "Clear Warning" display.

Warning display for replacing the roller

R	e	p	l	c	e	R	o	l	l	e	r			
		0	%	C	l	e	a	r	=	E	N	T	E	R

Warning display for replacing the front side lamp module

R	e	p	l	c	e	F	-	L	a	m	p			
		0	%	C	l	e	a	r	=	E	N	T	E	R

Warning display for replacing the back side lamp module

R	e	p	l	c	e	B	-	L	a	m	p			
		0	%	C	l	e	a	r	=	E	N	T	E	R

■ Setting other parameters

The following parameters can be set.

- Language: Sets the display language (English, Japanese).
- Buzzer : Sets whether a bell rings or not. If set to "ON", the following will occur.
 - When pressing a button, one short beep will be heard.
 - When there is an error, 4 short beeps will be heard.
 - When scanning is completed correctly, one long beep will be heard.
- Date : Sets the current date.
- Time : Sets the current time.
- Version : Displays the unit version.

● Setting the language

1 Press the menu key until "Set Other Param." is displayed.

S	e	t		O	t	h	e	r		P	a	r	a	m	.

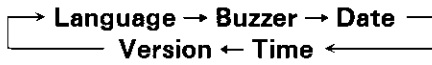
2 Press the enter key.

L	a	n	g	u	a	g	e								
				E	n	g	l	i	s	h		エ	イ	コ	*

3 Use the ▼ key or the ▲ key to select "English" or "Japanese".

L	a	n	g	u	a	g	e	?									
				J	a	p	a	n	e	s	e		ニ	ホ	ン	コ	*

4 Press the enter key.
 ● To return to the previous setting (in step 2), press the esc key.
 After entering the other parameter setting mode, pressing the menu key will change the display as follows. Use the menu key to select the desired setting.



L	a	n	g	u	a	g	e										
				J	a	p	a	n	e	s	e		ニ	ホ	ン	コ	*

Display Panel Instructions

● Setting the buzzer

- 1** Press the menu key until "Buzzer" is displayed.

B	u	z	z	e	r										
														O	N

- 2** Use the ▼ key or the ▲ key to select "ON" or "OFF".

B	u	z	z	e	r	?										
														O	F	F

- 3** Press the enter key.
 ● To return to the previous setting (in step 1), press the esc key.

B	u	z	z	e	r											
														O	F	F

● Setting the date

- 1** Press the menu key until "Date MM/DD/YYYY" is displayed.
 ● MM is the month, DD is the day, and YYYY is the year.

D	a	t	e			M	M	/	D	D	/	Y	Y	Y	Y
						0	1	/	0	1	/	1	9	9	8

- 2** Press the enter key.

D	a	t	e	(	M	o	n	t	h)	?				
					0	1	/	0	1	/	1	9	9	8	

- 3** Use the ▼ key or the ▲ key to select the desired setting.

D	a	t	e	(	M	o	n	t	h)	?				
					1	2	/	0	1	/	1	9	9	8	

- 4** Press the enter key.
 ● If you do not need to change the month, press the esc key.
 The LCD will change to the display shown in step 6.

D	a	t	e	(	D	a	y)	?						
					1	2	/	0	1	/	1	9	9	8	

- 5** Using the same method in step 3, set the desired day.

D	a	t	e	(	D	a	y)	?						
					1	2	/	1	5	/	1	9	9	8	

- 6** Press the enter key.
- If you do not need to change the day, press the esc key.
The LCD will change to the display shown in step 2.

D a t e (Y e a r) ?														
					1	2	/	1	5	/	1	9	9	8

- 7** Using the same method in step 3, set the desired year.

D a t e (Y e a r) ?														
					1	2	/	1	5	/	1	9	9	7

- 8** Press the enter key.
- If you do not need to change the year, press the esc key.
The LCD will change to the display shown in step 1.

D a t e				M M /		D D /		Y Y Y Y							
						1	2	/	1	5	/	1	9	9	7

● Setting the time

- 1** Press the menu key until "Time" is displayed.

T i m e												
								1	2	:	0	0

- 2** Press the enter key.

T i m e (H o u r) ?												
								1	2	:	0	0

- 3** Using the ▼ key or the ▲ key, set the desired hour.
- The time is shown in military time (24:00).

T i m e (H o u r) ?												
								1	4	:	0	0

- 4** Press the enter key.

T i m e (M i n u t e) ?												
								1	4	:	0	0

- 5** Using the same method in step 3, set the desired minutes.

T i m e (M i n u t e) ?												
								1	4	:	3	5

Display Panel Instructions

- 6** Press the enter key.
- When the hour is changed, the seconds are cleared to "0".
 - To return to the previous setting (in step 1), press the esc key.

T	i	m	e														
										1	4	:	3	5			

● Checking the version

- 1** Press the menu key until "Version" is displayed.
- S1.00: Displays the SCSI firmware version.
For the KV-SV855, this version will not be displayed.
 - M1.00: Displays the mechanical control firmware version.
 - N1.00: Displays the numbering firmware version.
If a imprinter unit is not installed, the entry will remain empty.

V	e	r	s	i	o	n											
S	1	.	0	0	M	1	.	0	0	N	1	.	0	0			

- 2** After confirming the entry, press the menu key, then the esc key.
- Pressing the Menu key will display the above right display.
 - Pressing the esc key will display the bottom right display.

L	a	n	g	u	a	g	e										
					E	n	g	l	i	s	h		工	イ	コ		

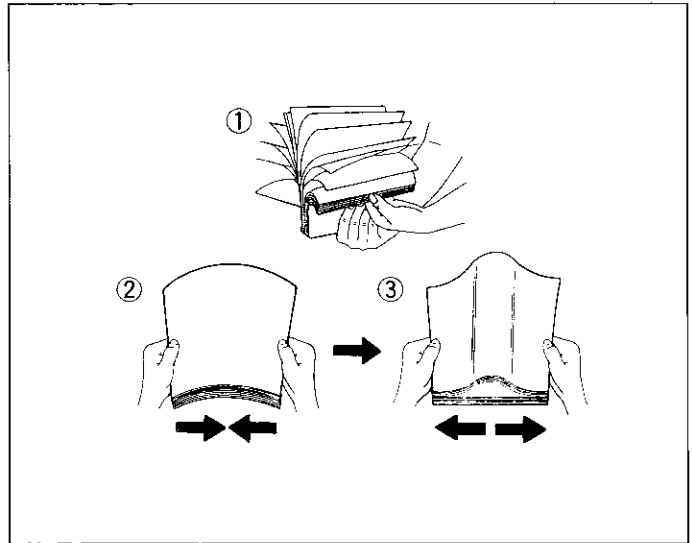
S	e	t		O	t	h	e	r		P	a	r	a	m	.		
---	---	---	--	---	---	---	---	---	--	---	---	---	---	---	---	--	--

Loading a Document

1 Documents that have been stapled together or have been sitting together (as in a file folder) for some time will need to be separated.

- ① Fan the stack of document to separate all edges.
- ② Hold both ends of the document and bend the documents as shown in the illustration to separate the centers.
- ③ Hold the documents firmly and pull them apart as shown in the illustration to straighten.

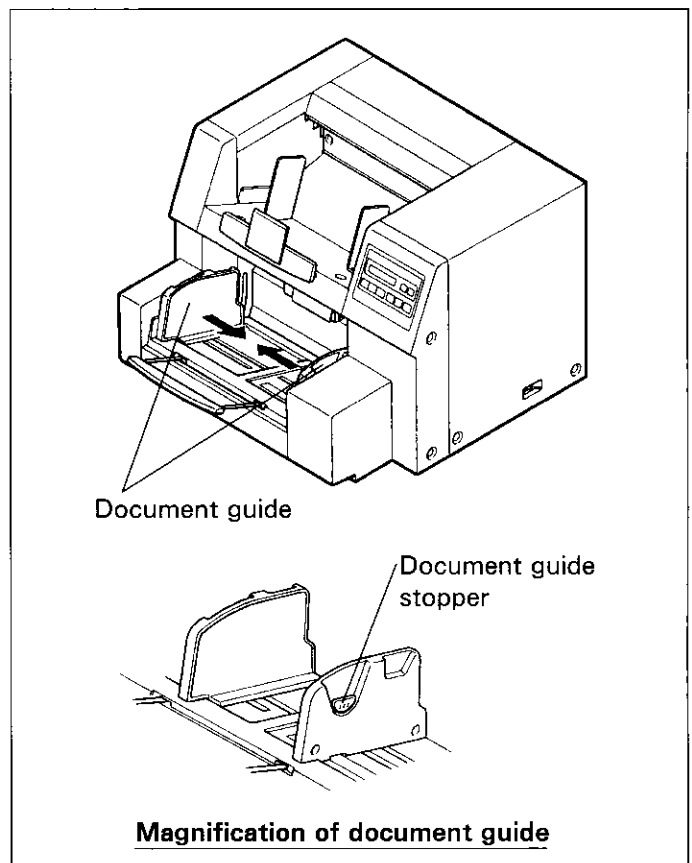
Repeat these steps as necessary.



2 Carefully align the documents.

3 Adjust the document guides to accommodate a size which is slightly larger than the actual document size.

- Depress the document guide stopper to conduct this adjustment.



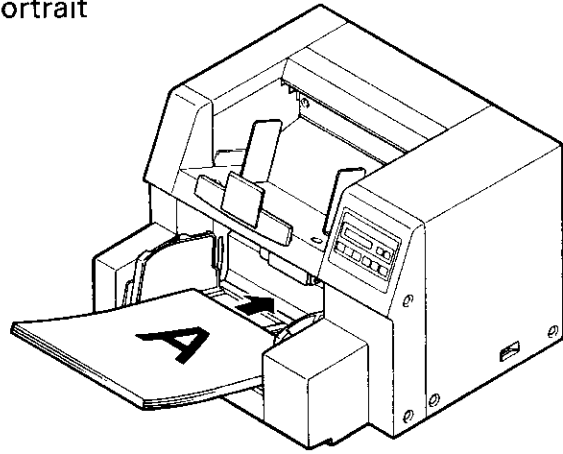
Loading a Document

4 Place the documents on the document hopper with the side to be scanned facing up, then push them in the direction of the arrow until they stop.

- Be sure to place the documents on the document hopper in the length-wise direction (see the diagram to the right).

The amount of documents should not exceed the limit mark on the document guide. This may cause a paper jam or skew.

Portrait

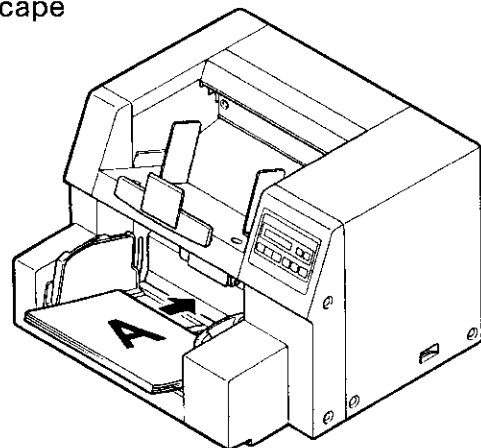


Fill indicator
(Limit mark)

↑
1000
PAGES

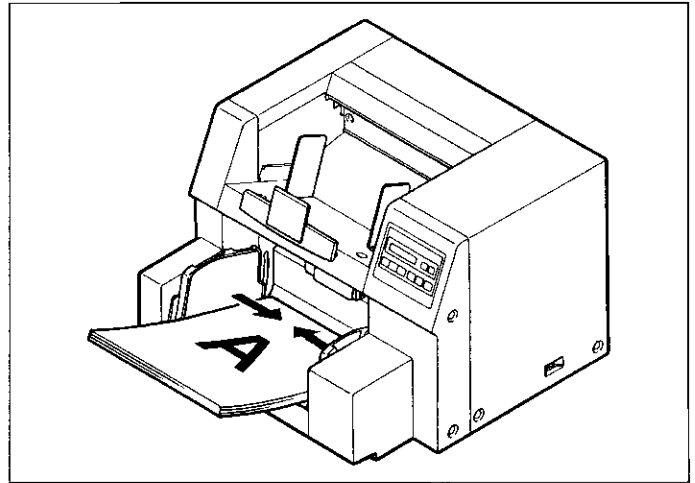
↓
200
PAGES

Landscape



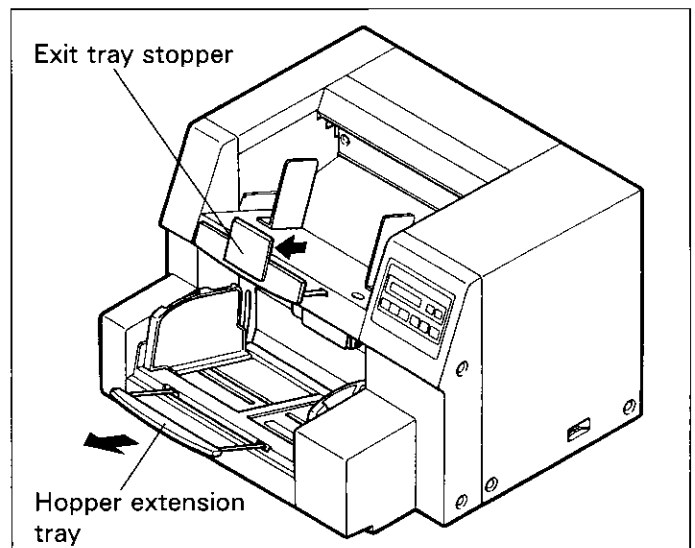
5 Adjust the document guides to fit the size of the documents to be scanned.

- Accurately adjust the document guides to the document by following the same procedure as in step 3.



6 When using long size paper, pull out the hopper extension tray from the hopper and exit tray stopper from the front door as shown in the diagram to the right.

- Also adjust the exit tray stopper position for long size paper.



Caution :

- For thin or thick paper, scan the document after selecting "1 page" by the hopper key. Also, remove the document from the exit tray after it is scanned.
- The scanner will accept 13 to 42 lb paper for continuous scanning and 11 to 42 lb paper for a single scan.
- Use the slow speed mode to scan thin, creased, or damaged documents.
- When scanning thin documents, be sure to use less than 500 sheets.
- When scanning copying paper such as carbon or carbonless paper, select "1 page" by the hopper key and scan it.
- Install the document while taking care that it does not exceed the fill indicator (limit mark).
- Be sure to remove the document from the exit tray after it is scanned.
- In cases where very fragile documents are to be scanned, it is recommended to make a copy and use the copy to scan into the unit.

Types of Documents to Avoid :

- OHP sheets, other plastic film, cloth, or metallic sheets.
- Paper with irregularities such as tabs, staples, paste etc.
- Documents with wet ink.
- Thick or irregular documents such as envelopes, paste, ups, etc.
- Copying paper such as carbons or carbonless paper. (Chemically treated carbonless forms)
Note: Scanning chemically treated paper will result in premature wear of paper feed roller.
- Damaged or wrinkled documents.
- Unusually shaped documents.
- Tracing paper.

Others

■ Scanning copying paper (such as carbon or carbonless paper)

When scanning copying paper, select "1 page" by the hopper key. (See page 9.)
Because it cannot be scanned using continuous mode.

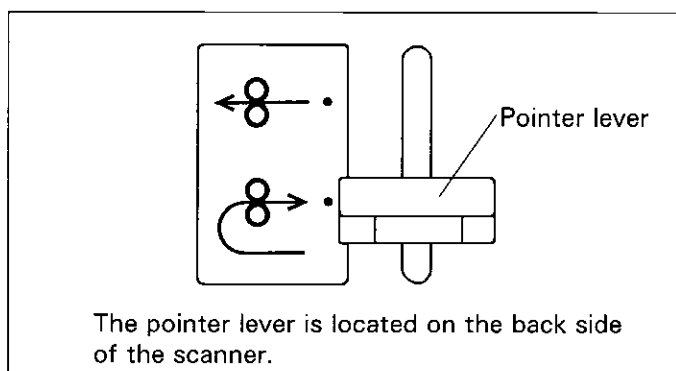
When setting the copying paper on the hopper, lift the paper feed roller module (see page 33) slightly and set the copying paper accurately. Then put the paper feed roller module down on the copying paper.

Copying paper scanning can be performed from a personal computer according to the setting on the PC.

■ How to select the paper path for scanned document

To select the front, set the pointer lever to the lower side.

To select the straight path pass through to the back, set the pointer lever to the upper side.



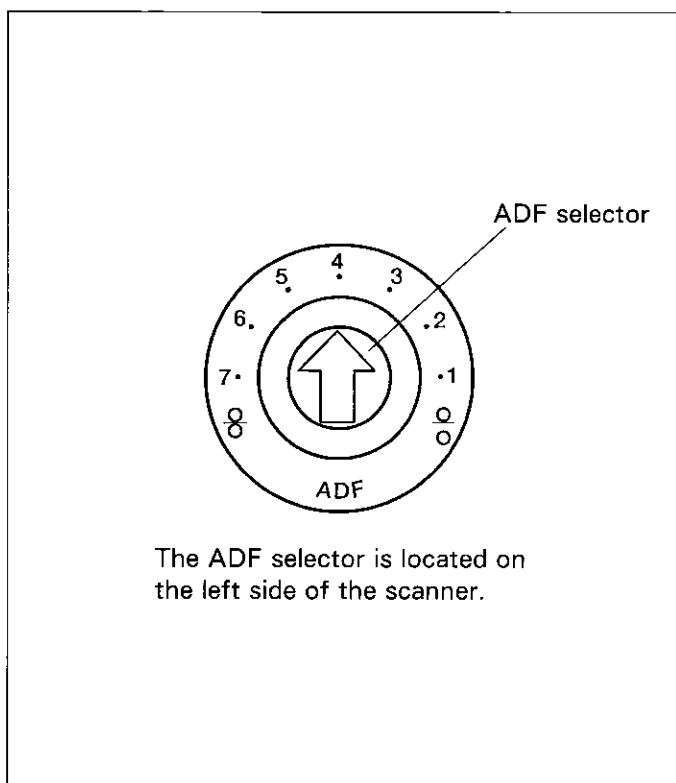
■ When multiple-sheet feeding occurs

When multiple-sheet feeding occurs, adjust the ADF selector.

- The factory pre-set is "4".
- If the paper is thin, set to "5". If the document continues to multiple feed, increase the selector level by one until the problem is corrected.
- When the top side of a thin document is damaged (torn, creased, etc.), set to "3" and the document will insert easier. The amount of overlap for the separator and retard rollers is as follows.

ADF selector	Overlap
1	0 mm
2	0.1 mm
3	0.2 mm
4	0.3 mm
5	0.4 mm
6	0.5 mm
7	0.6 mm

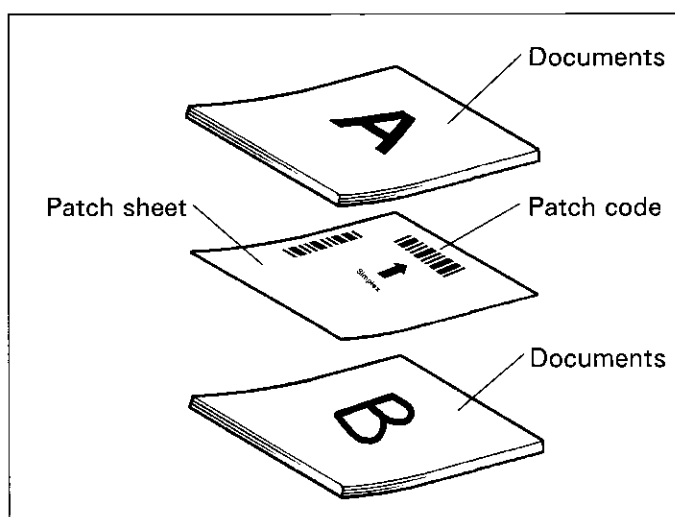
- If the paper is thick, set to "3". If the document continues to multiple feed, increase the selector level by one until the problem is corrected.



How to use the patch sheet

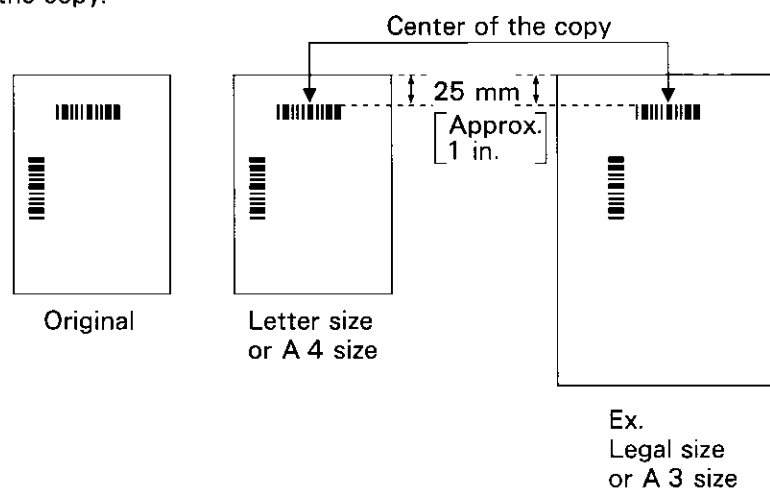
If the patch sheet is used, the documents under the patch sheet are scanned in accordance with the patch code on the patch sheet regardless of scanning condition that is selected previously.

- Multiple patch sheets can be used.
- When using a patch sheet, the application software required depends on the patch sheet.



Caution for patch sheet

- Make a copy of the patch sheet with a copy machine and use the copy. Store the original patch sheet in a safe place to keep it from getting dirty or losing it.
- Use the same size patch sheet as the scanning document.
- When copying the patch sheet, do not enlarge or decrease the copy size. The copied sheet's pattern should be the same size as the original sheet's pattern. Use the same density. Also, be careful the copy is not dirty. If the copy's density is too thin (or too thick), it may not scan properly.
- When copying the patch sheet, if the pattern falls in the area from the top side of the document to 25 mm (approx. 1 inch), adjust the copy. Also, copy the patch sheet so that the pattern lies in the center of the copy.



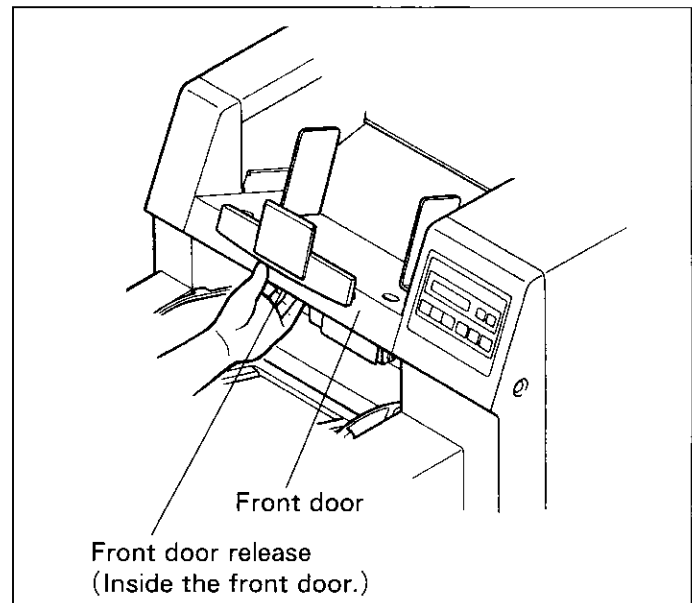
- Be careful not to get the patch sheet dirty. Do not fold or crease the patch sheet. Scanning will not be performed properly.

Clearing Paper Jams

Torn documents, thin documents or documents that are creased at the leading edge may cause paper jamming. If a paper jam occurs ("U xx JAM" will be displayed on the LCD), remove the jammed sheet according to the following procedure.

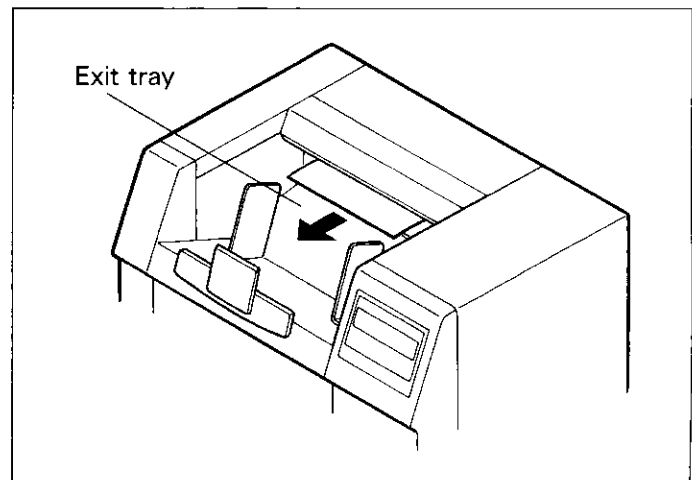
● Removing paper jams from the scanner

Use your fingers to hold down the front door release. After opening the front door, pull the jammed document toward the front.



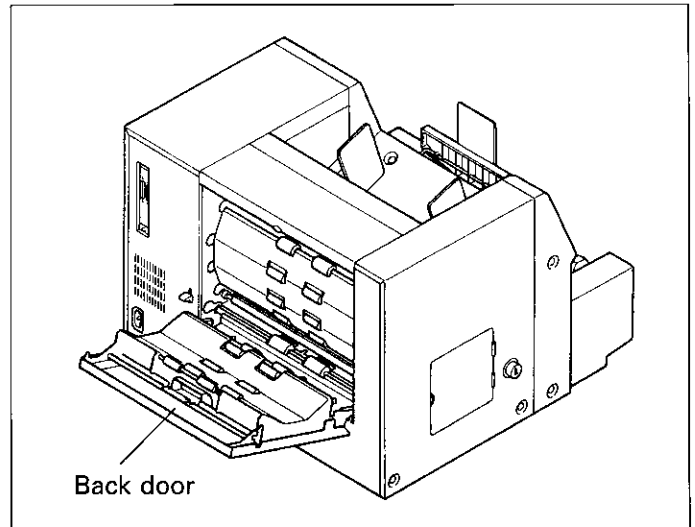
● Removing paper jams from the exit tray

If jammed document appears at the exit tray side, open the back door a little and pull it toward forward.
(See page 31.)



- **If the paper cannot be removed by pulling it forward**

Open the back door by holding down the back door release, and remove the jammed document.



Cleaning the Unit

Outside of the unit :

- At least once a month

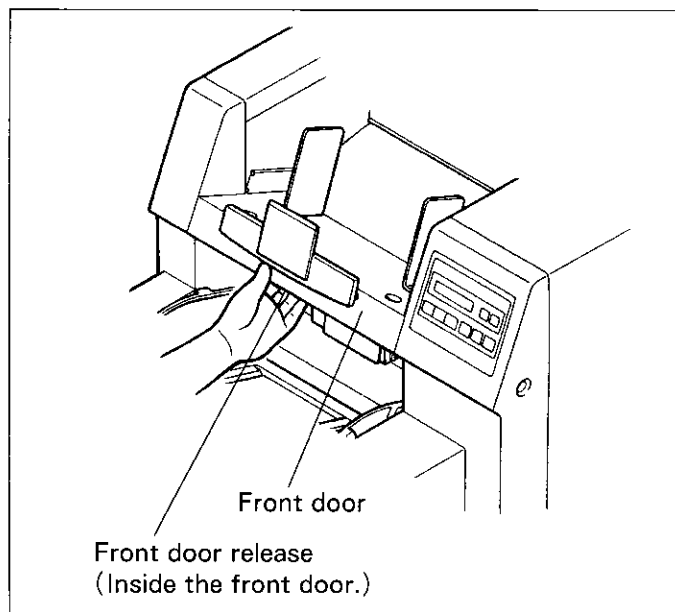
- 1** Turn the power OFF.
- 2** Clean the cover with a soft cloth.
- 3** Remove dirt and dust from the fan exhaust vent with a brush.

Inside the scanner :

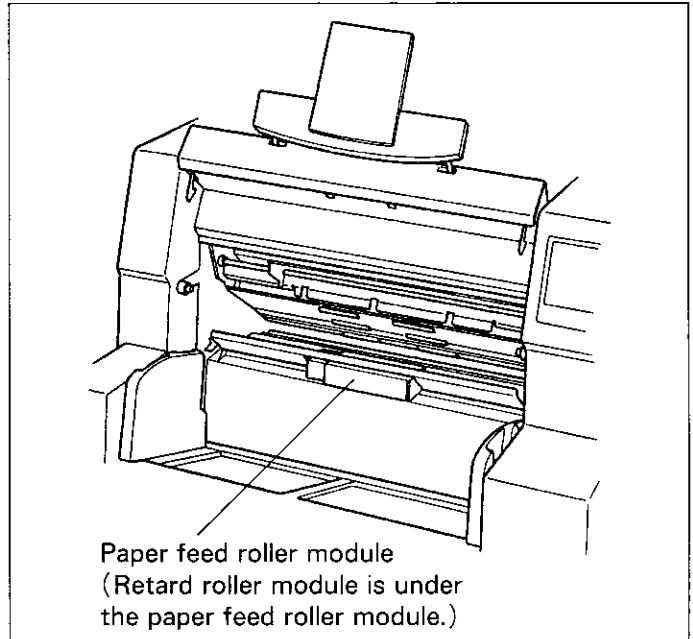
- Clean the unit at least once a week or when 10,000 sheets have been scanned, whichever comes first.
- Clean the rollers and paper sensors if paper jamming or multiple-sheet feeding is a frequent occurrence.
- Clean the scanning section glass and white reference plate when black or white lines appear on the scanned images.
- If the documents you are scanning are dirty, then the scanner parts will become dirty as well. To maintain proper scanning, clean the scanner frequently.

Cleaning the rollers and paper sensors

- 1** Turn the power off.
- 2** Use your fingers to hold down the front door.
 - The front door now opens slowly.

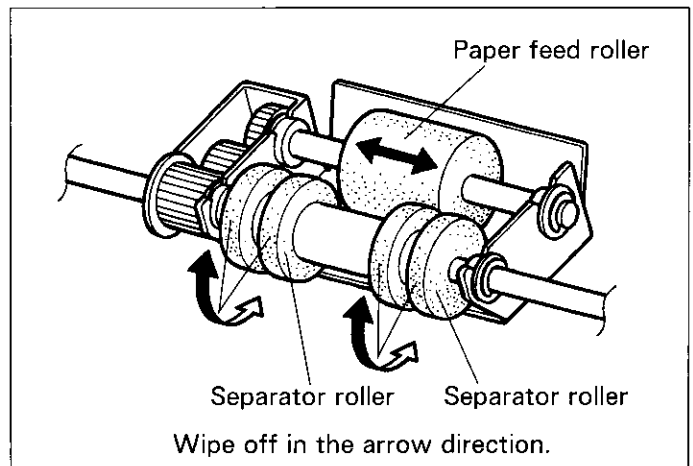


- 3** Remove the paper feed roller module and retard roller module. (See section "Replacing the Roller Modules" on page 37.)

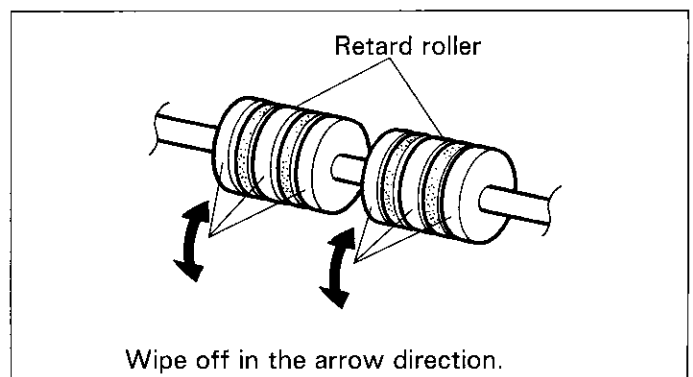


- 4** Use the accessory roller cleaning paper to wipe off the dirt on the surfaces of the paper feed roller and separator roller.

- When wiping off the dirt on the roller surfaces, hold the rollers to prevent them from rotating, and wipe the rollers all the way around them proceeding from one end to the other in the directions of the arrows shown in the diagram to the right.

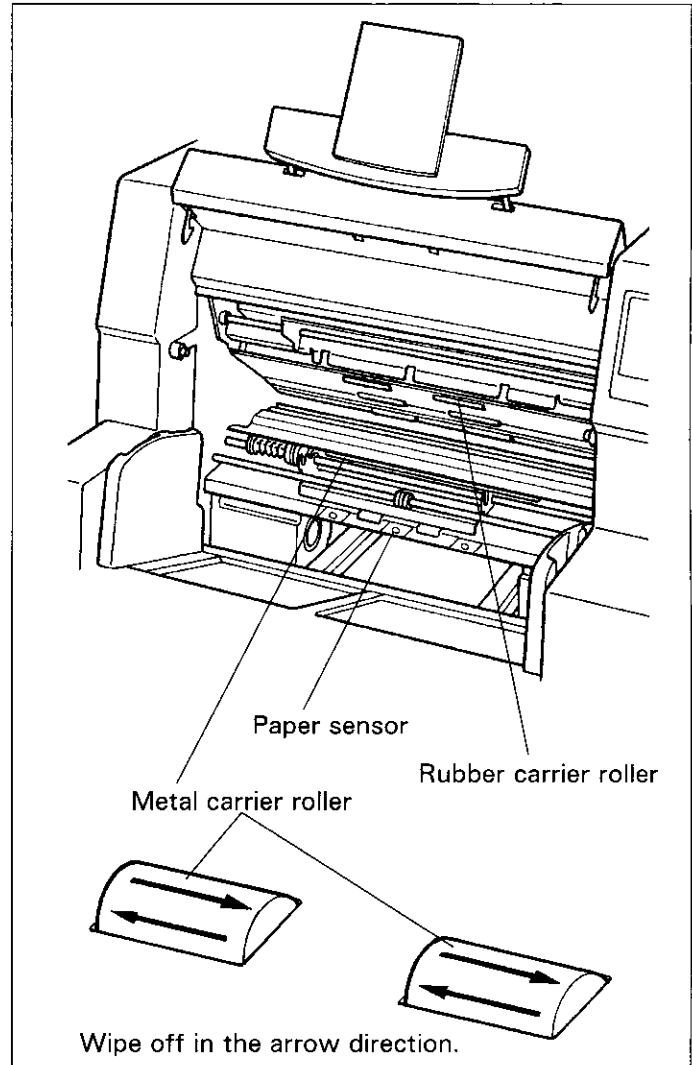


- 5** Following the same procedure as in step 4, use the accessory roller cleaning paper to wipe the surfaces of the retard rollers all the way around them proceeding from one end to the other in the directions of the arrows shown in the diagram to the right.

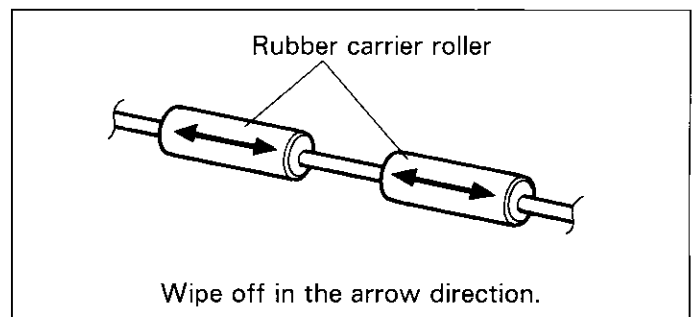


Cleaning the Unit

- 6** Clean the six metal carrier rollers using the toothbrush and use the accessory roller cleaning paper to wipe off the dirt on the surfaces of the five paper sensors.

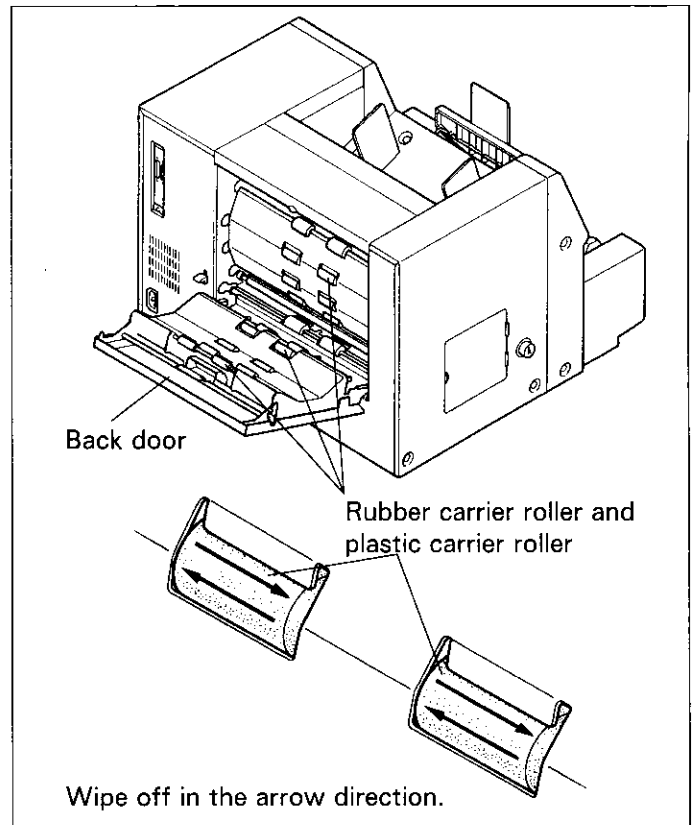


- 7** Following the same procedure as in step 4, use the accessory roller cleaning paper to wipe the surfaces of the rubber carrier rollers all the way around them proceeding from one end to the other in the directions of the arrows shown in the diagram to the right.



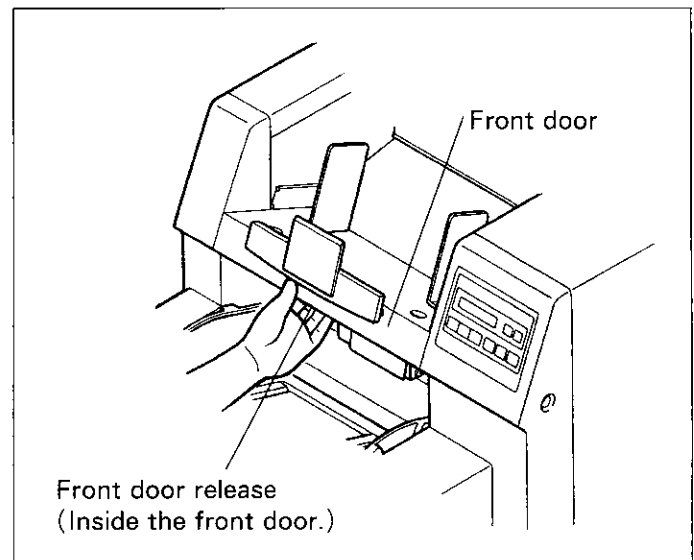
- 8** Install the paper feed roller module and retard roller module, then close the front door. (See section "Replacing the Roller Modules" on page 37.)

- 9** After opening the back door by holding down the back door release, following the same procedure as in step 4, use the accessory roller cleaning paper to wipe the surfaces of the rubber carrier rollers and plastic carrier rollers all the way around them proceeding from one end to the other in the directions of the arrows shown in the diagram to the right.



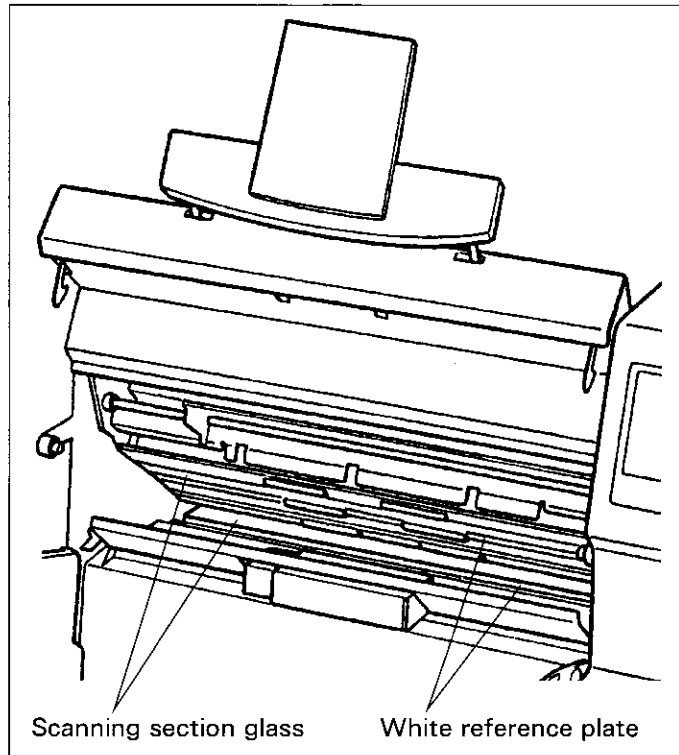
Cleaning the scanning section glass and white reference plate

- 1** Turn the power off.
- 2** Use your fingers to hold down the front door release.
- The front door now opens slowly.



Cleaning the Unit

- 3 Clean the scanning section glass and white reference plate using the accessory roller cleaning paper.

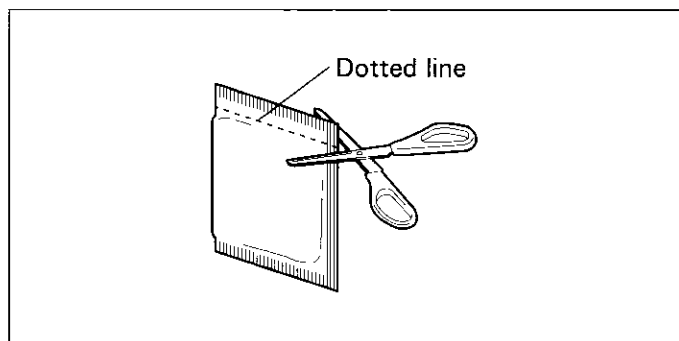


- 4 Close the front door.

Note for the roller cleaning paper;

Open the bag by the dotted line and take the roller cleaning paper out.

- If the opened bag is left open for a period of time, the alcohol will vaporize. Please use the roller cleaning paper immediately after opening the bag.



※The roller cleaning paper (Model No. KV-SS03) is available from the dealer where you purchased your scanner.
For supplies and accessories: 1-800-346-4768 (KV-SS855, KV-SV855 only)

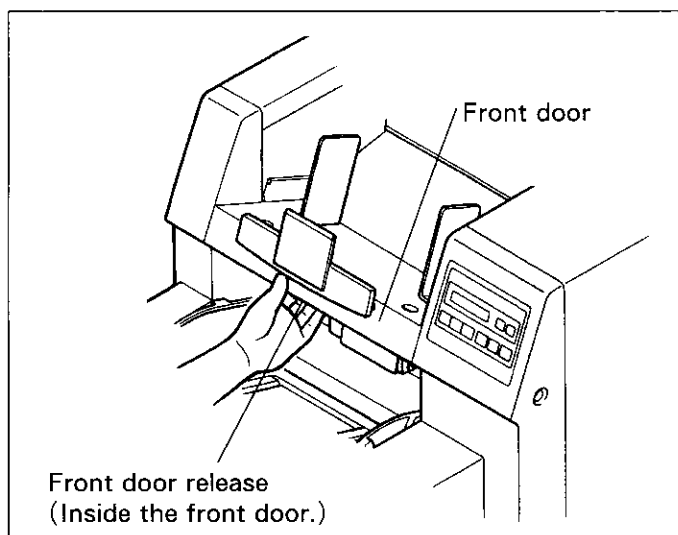
Replacing the Roller Modules

■ Replacing the paper feed roller module

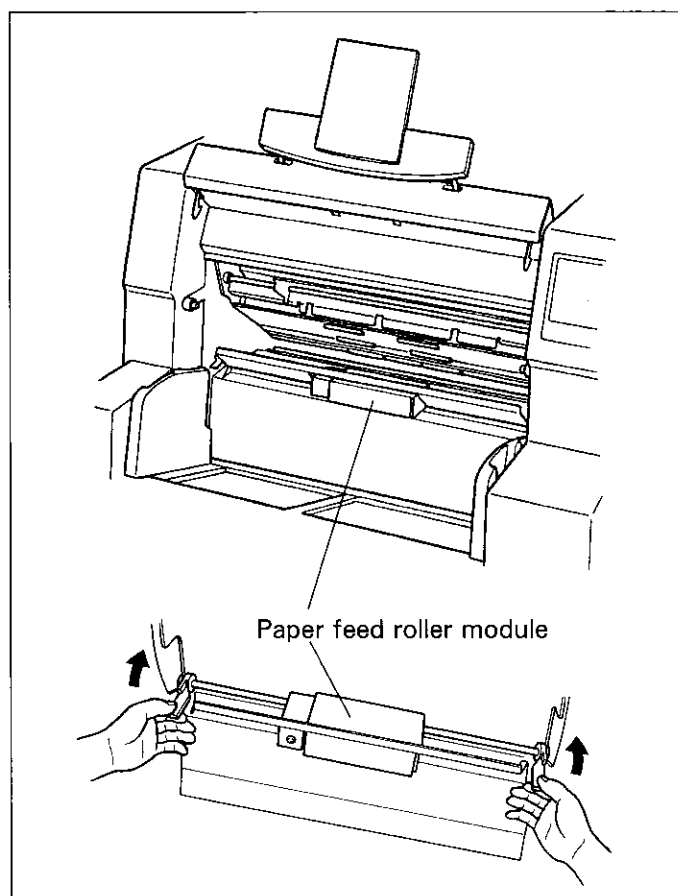
1 Turn the power off.

2 Use your fingers to hold down the front door release.

- The front door now opens slowly.

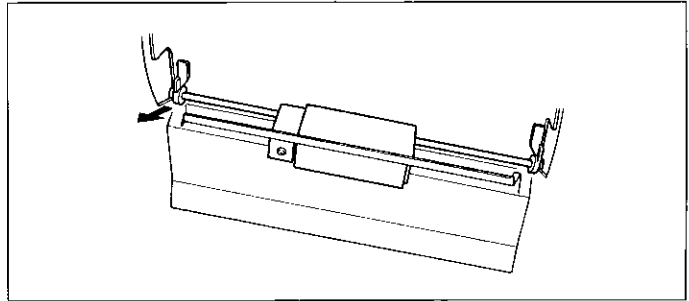


3 Use your fingers to push up the two levers at both ends of the paper feed roller module.



Replacing the Roller Modules

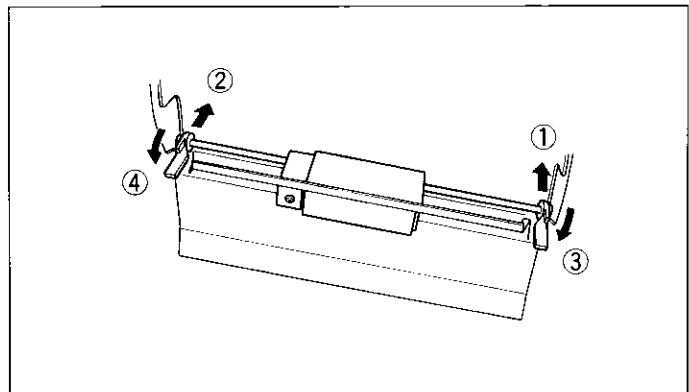
- 4** Draw the paper feed roller module toward you and remove it starting with its left side.



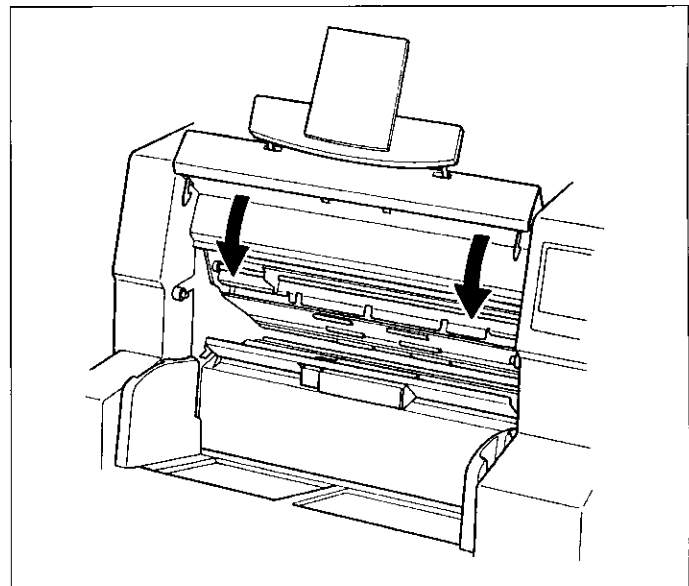
- 5** Open the optional "Roller Exchange Kit (KV-SS041)", and take out the paper feed roller module.
For supplies and accessories:
1-800-346-4768
(KV-SS855, KV-SV855 only)

- 6** Install the new paper feed roller module with its gears on the right side and its bearing into the guide groove of the side chassis in the scanner, and push down the levers at both ends until they click into position.

- Insert the paper feed roller module in the scanner starting with its right side, and follow the sequence of ① through ④ for installation.



- 7** Close the front door.
● Push the front door down slowly until it clicks into position.



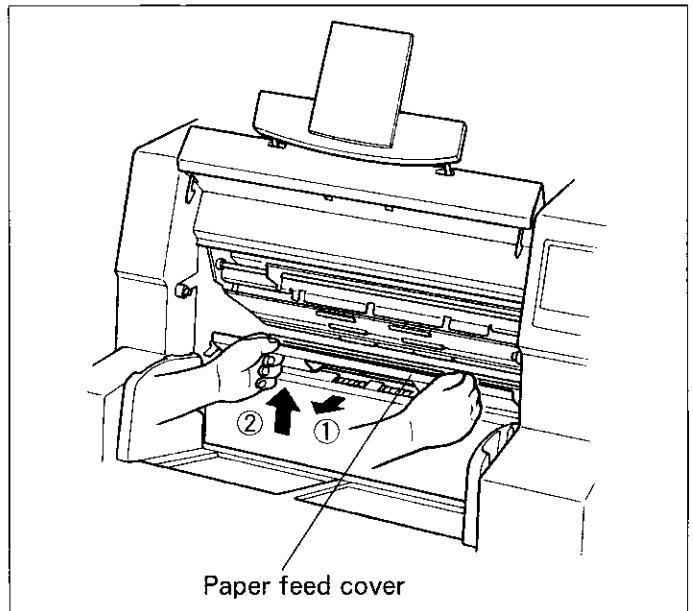
■ Replacing the retard roller module

The retard roller module is located underneath the paper feed roller module. Before replacing this module, the paper feed roller module must be removed first.

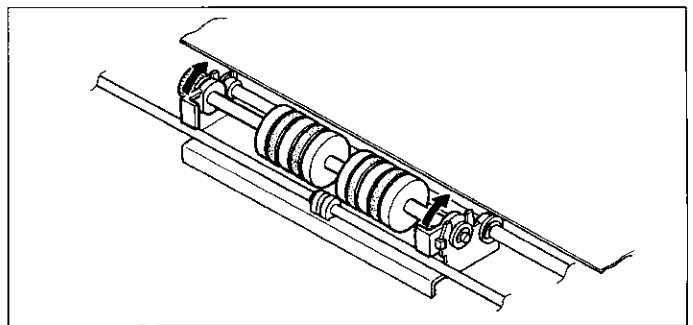
1 Follow steps 1 through 4 in “Replacing the paper feed roller module” to remove the paper feed roller module.

2 Hold the paper feed cover using both hands, pull it slightly toward you, and lift to remove it.

- When the paper feed cover is pulled toward you, the click-stop mechanism will be released.
- Follow the sequence of ① and ② for removal.

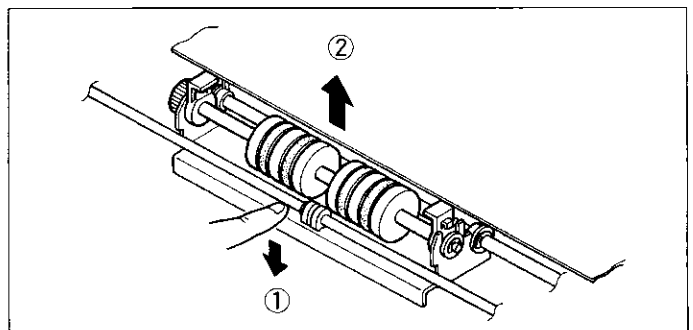


3 Use your fingers to push up the two levers at both ends of the retard roller module.



4 While pushing down the metal holder of the retard roller module, remove the retard roller module.

- Follow the sequence of ① and ② for removal.

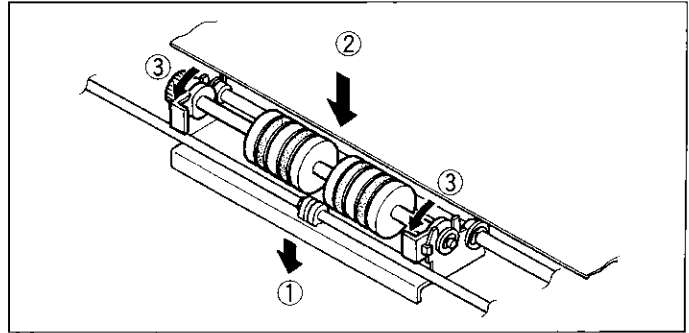


Replacing the Roller Modules

- 5** Take out the retard roller module in the optional "Roller Exchange Kit (KV-SS041)".
For supplies and accessories:
1-800-346-4768
(KV-SS855, KV-SV855 only)

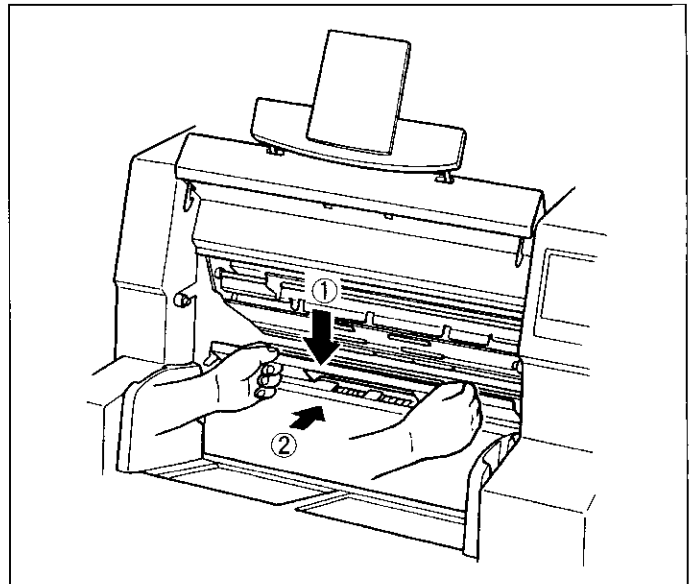
- 6** While pushing down the metal holder of the retard roller module, install the new retard roller module in the scanner, and push down the levers at both ends until they click into position.

- Follow the sequence of ① through ③ for installation.



- 7** Hold the paper feed cover using both hands, install it in the scanner, and push it into place until you hear a clicking sound.

- Follow the sequence of ① and ② for installation.



- 8** Install the paper feed roller module which was removed in step 1, and close the front door which was opened.

- For details on how to install the paper feed roller module, refer to steps 6 and 7 in "Replacing the paper feed roller module".

Repacking Instructions

It is highly recommended that you keep the original carton and ALL packing materials. Should you need to transport or ship your scanner, please follow these instructions.

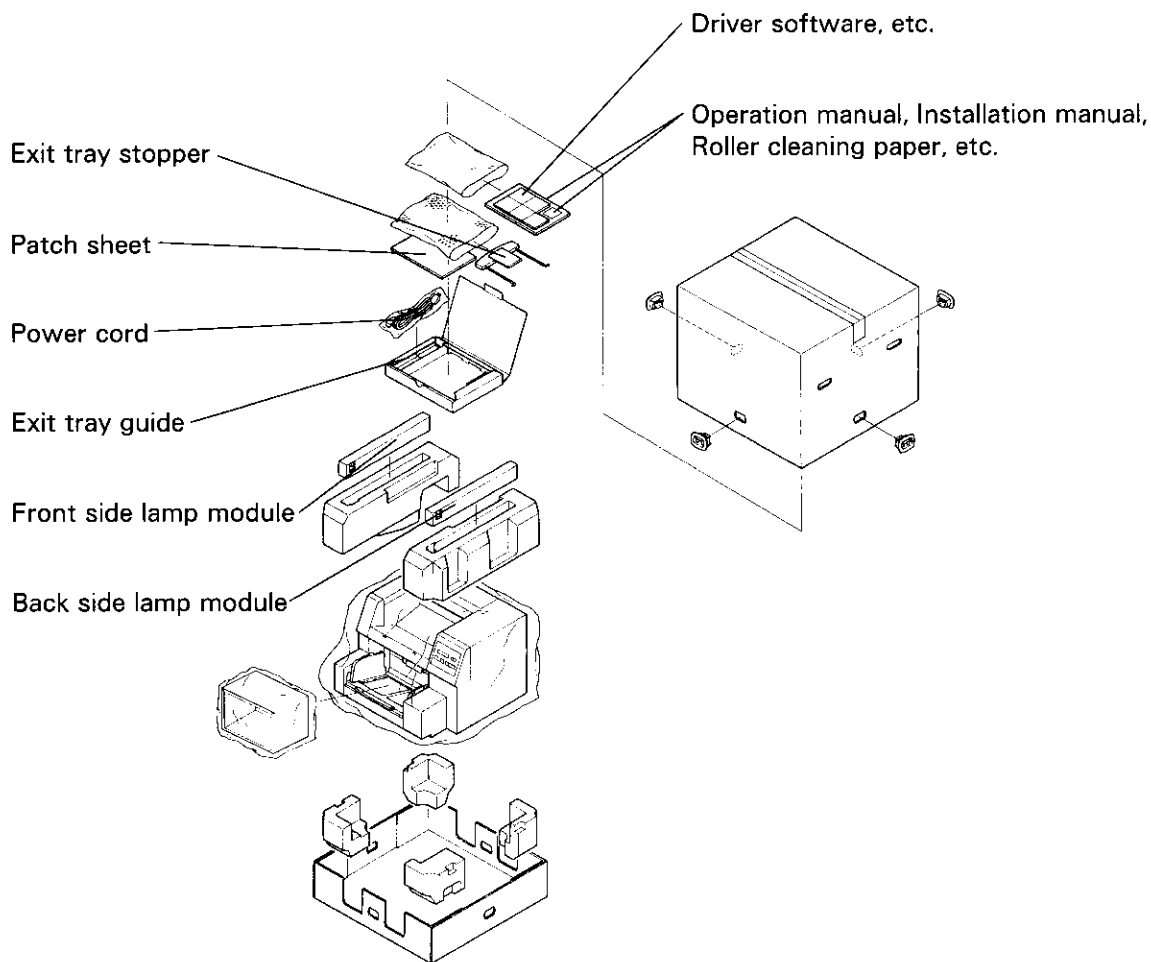
Please Note :

- Please use the original carton and all of the original packing materials. If you do not have the original packing material, these are available from Panasonic. Please refer to your servicing dealer, or call 1-800-833-9626. (KV-SS855, KV-SV855 only)
- Improper repacking of the scanner may result in a service charge to repair the unit.
- The scanner should be handled in the upright (vertical) position.

Material Required :

- Original Scanner Carton & Packing Materials
- Shipping Tape and Scissors

- 1** Disconnect your scanner from the electrical outlet and the interface cable.
- 2** Remove the exit tray guides, exit tray stopper, lamp modules (front side and back side) from the scanner.
 - Consult with your service person to remove the lamp modules.
- 3** Packing the scanner.



Specifications

Item		Model No.		KV-SS855 / KV-SV855	KV-SS855U
Scanner	Scanning face		Duplex scanning		
	Scanning method		Front side : CCD image sensor Back side : CCD image sensor		
	Readout speed		Simplex scanning : Approx. 85 sheets/min. (Letter, fed length-wise, 200 dpi) Duplex scanning : Approx. 80 sheets/min. (Letter, fed length-wise, 200 dpi)		
	Resolution		Main scanning direction : 100 ~ 400dpi (10 dpi step) Sub-scanning direction : 100 ~ 400dpi (10 dpi step) (As same as main scanning direction) mode		
	Tonal gradation		Binary mode, Grayscale mode (4/8 bit), 64-step gradation (dither) mode, 64-step gradation (error diffusion) mode		
	Image control		Image emphasis, Automatic threshold, Automatic separation, Monochrome reversing, Automatic back control		
	Paper	Size	48×85mm (1.9×3.3 in) to Ledger (11×17 in.)		
Weight		Single paper feed : 40 to 157 g/m ² (11 to 42 lbs.) Continuous paper feed : 50 to 157 g/m ² (13 to 42 lbs.)			
Unit	External dimensions (Width×Depth×Height)		568×546×415mm (22.4×21.5×16.3 in.)		
	Mass (Weight)		50kg (110 lbs.)		
	Power requirement		AC100 - 120V, 50/60Hz	AC220 - 240V, 50/60Hz	
	Power consumption	Maximum (scanning)	1.8A	0.8A	
Operating Environment	Operating temperature and humidity		15°C to 30°C (59°F to 86°F), 30% to 80%RH		
Storage Environment	Storage temperature and humidity		0°C to 35°C (32°F to 95°F), 10% to 80%RH		

"Weight in pounds" represents the weight of 500 [17×22 inches (432×559mm)] sheets.

Troubleshooting

If a problem occurs while the unit is being used, first check the following items. If the unit still malfunctions, switch it OFF, and call service.

Symptom	Possible Cause	Remedy
The LCD does not display when the power switch is turned ON.	The power plug has come out.	Insert the power plug firmly.
	The fuse has blown. Foreign matter is lodged in the fan, preventing it from rotating.	Pull out the power plug, then call service.
Multiple sheet feeding problem occurs.	The rollers are dirty.	Clean all of the rollers. (See page 32.)
	The ADF selector is not set properly.	Adjust the ADF selector. (See page 28.)
Document stops during a scan.	The document is creased or torn, or has a length of more than A3 size or less than 48×84 mm (1.9×3.3 in.).	Make a copy of the document on paper of the specified size [between 48×84 mm (1.9×3.3 in.) and A3 size] and scan the copy.
	The document is jammed.	Refer to the next page when some error has been displayed.
Document is not fed smoothly during a scan.	The rollers are dirty.	Clean all of the rollers. (See page 32.)
The scanned document is blank.	The document to be scanned was loaded face down (upside down).	Load the document correctly.
The scanned document is completely black.	The fluorescent lamp in the scanner has reached the end of its life.	Call service.
Scanned document is skewed.	The document guides were not touching the edges of the document, or the documents was skewed when loaded.	Set the document guides or the document correctly.
Vertical lines appear on the scanned document.	The white reference plate, scanning section glass or the rubber rollers are dirty.	Wipe the dirty part with a clean cloth. (See page 32.)
The computer cannot connect to the scanner.	The computer cannot recognize to the scanner.	Turn the power of the computer OFF. Turn the power of the scanner ON, then turn the power of the computer ON again.
		Confirm the SCSI ID and product ID, then set the proper them.

LCD	Possible Cause	Remedy																																																																				
<table border="1"> <tr> <td>U</td><td>3</td><td>1</td><td></td><td>B</td><td>a</td><td>c</td><td>k</td><td></td><td>D</td><td>o</td><td>o</td><td>r</td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	U	3	1		B	a	c	k		D	o	o	r														x	x	x	x	x	x	x	x	The back door is open.	Close the back door.																																		
U	3	1		B	a	c	k		D	o	o	r																																																										
									x	x	x	x	x	x	x	x																																																						
<table border="1"> <tr> <td>U</td><td>3</td><td>2</td><td></td><td>T</td><td>o</td><td>p</td><td></td><td>D</td><td>o</td><td>o</td><td>r</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	U	3	2		T	o	p		D	o	o	r															x	x	x	x	x	x	x	x	The imprinter door is open.	Close the imprinter door.																																		
U	3	2		T	o	p		D	o	o	r																																																											
									x	x	x	x	x	x	x	x																																																						
<table border="1"> <tr> <td>U</td><td>3</td><td>3</td><td></td><td>L</td><td>e</td><td>f</td><td>t</td><td></td><td>D</td><td>o</td><td>o</td><td>r</td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	U	3	3		L	e	f	t		D	o	o	r														x	x	x	x	x	x	x	x	The lamp door is open.	Close the lamp door.																																		
U	3	3		L	e	f	t		D	o	o	r																																																										
									x	x	x	x	x	x	x	x																																																						
<table border="1"> <tr> <td>U</td><td>2</td><td>4</td><td></td><td>P</td><td>o</td><td>i</td><td>n</td><td>t</td><td>e</td><td>r</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	U	2	4		P	o	i	n	t	e	r																x	x	x	x	x	x	x	x	The pointer lever has been set to the upper side though the imprinter mode has been selected to something except "Disable".	Set the pointer lever to the lower side.																																		
U	2	4		P	o	i	n	t	e	r																																																												
									x	x	x	x	x	x	x	x																																																						
<table border="1"> <tr> <td>H</td><td>x</td><td>x</td><td></td><td>C</td><td>a</td><td>l</td><td>l</td><td></td><td>S</td><td>e</td><td>r</td><td>v</td><td>i</td><td>c</td><td>e</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> <tr> <td>F</td><td>x</td><td>x</td><td></td><td>C</td><td>a</td><td>l</td><td>l</td><td></td><td>S</td><td>e</td><td>r</td><td>v</td><td>i</td><td>c</td><td>e</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	H	x	x		C	a	l	l		S	e	r	v	i	c	e											x	x	x	x	x	x	x	x	F	x	x		C	a	l	l		S	e	r	v	i	c	e											x	x	x	x	x	x	x	x	A user non-servicable error has occurred.	Please consult with a service representative.
H	x	x		C	a	l	l		S	e	r	v	i	c	e																																																							
									x	x	x	x	x	x	x	x																																																						
F	x	x		C	a	l	l		S	e	r	v	i	c	e																																																							
									x	x	x	x	x	x	x	x																																																						
<table border="1"> <tr> <td>U</td><td>1</td><td>8</td><td></td><td>R</td><td>e</td><td>m</td><td>a</td><td>i</td><td>n</td><td>d</td><td></td><td>D</td><td>o</td><td>c</td><td>.</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td><td>x</td> </tr> </table>	U	1	8		R	e	m	a	i	n	d		D	o	c	.											x	x	x	x	x	x	x	x	There is a document remaining in the scanner.	Open the front and/or back doors, and remove all of the remaining documents.																																		
U	1	8		R	e	m	a	i	n	d		D	o	c	.																																																							
									x	x	x	x	x	x	x	x																																																						

Index

	Page		Page
A		F	
AC inlet	8	Fan exhaust vent	8
ADF selector	8, 28	Feed Speed	15
B		Fill indicator	26
Back door	8, 31, 35	Front door	30
Back door release	8	Front door release	8, 30, 32
Bayer dither 32	17	H	
Bayer dither 64	17	Halftone Back	15
Binary	17	Halftone dot 16	17
Brightness Back	15	Halftone dot 32	17
Brightness Front	15	Halftone Front	15
C		High	17
Carbon or carbonless paper	28	Hopper	8
Clear Warning	12, 20	Hopper extension tray	8, 27
Configuration mode	11	Hopper key	9, 28
Continuous mode	28	Hopper position	9
Contrast Back	15	Host	17
Contrast Front	15	I	
Copying paper	28	Image control	42
Counter key	10	Image Emphasis Back	15
D		Image Emphasis Front	15
Daily	10	Imprinter door	8
Daily Counter	14, 15	Imprint key	11
Disable	11, 13, 45	L	
Display panel	8	Lamp door	8
Document guide	8, 25	LCD (Liquid Crystal Display)	9
Document guide stopper	25	Low	17
Double Feed	15	M	
E		Medium	17
Enable	13	Menu key	11, 12
Enter key	9, 10	Metal carrier roller	34
Error diffusion	17	Multiple-sheet feeding	28
Esc key	9, 13	N	
Exit tray	8, 30	Noise Reduction Back	15
Exit tray guide	8	Noise Reduction Front	15
Exit tray stopper	8, 27	Non-serviceable error	45
External dimensions	42		

	Page
O	
Operating Environment	42
P	
Paper feed cover	39
Paper feed roller	33
Paper feed roller module	33, 37
Paper sensor	32, 34
Patch code	29
Patch sheet	29
Print Data	18
Pointer lever	8, 28
Power consumption	42
Power cord	8
Power requirement	42
Power switch	8
Print Position	18
Product ID	12, 13
R	
Readout speed	42
Replace B-Lamp	20
Replace F-Lamp	20
Replace Roller	20
Resolution	42
Retard roller	33
Retard roller module	39
Roller cleaning paper	5, 36
Rubber carrier roller	34
S	
Scan	10
Scanning face	42
Scanning method	42
Scanning section glass	36
SCSI connector	8
SCSI ID	12
SCSI interface cable	41
Separator roller	33
Set Counter	12, 14
Set Imprinter	12, 18
Set Other Param.	12, 21

	Page
Set Scanner	12, 16
Set SCSI	12
Smooth	17
Storage Environment	42
System Counter	14, 15

T	
Terminator	12
Tonal gradation	42
Total	10

U	
User	10
User Counter	14

W	
White reference plate	36

Panasonic Communications & Systems Company
Division of Matsushita Electric Corporation of America

Two Panasonic Way, Secaucus, New Jersey 07094

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario, L4W2T3

Matsushita Electric Industrial Co., Ltd.

Central P. O. BOX 288, Osaka 530-91, Japan