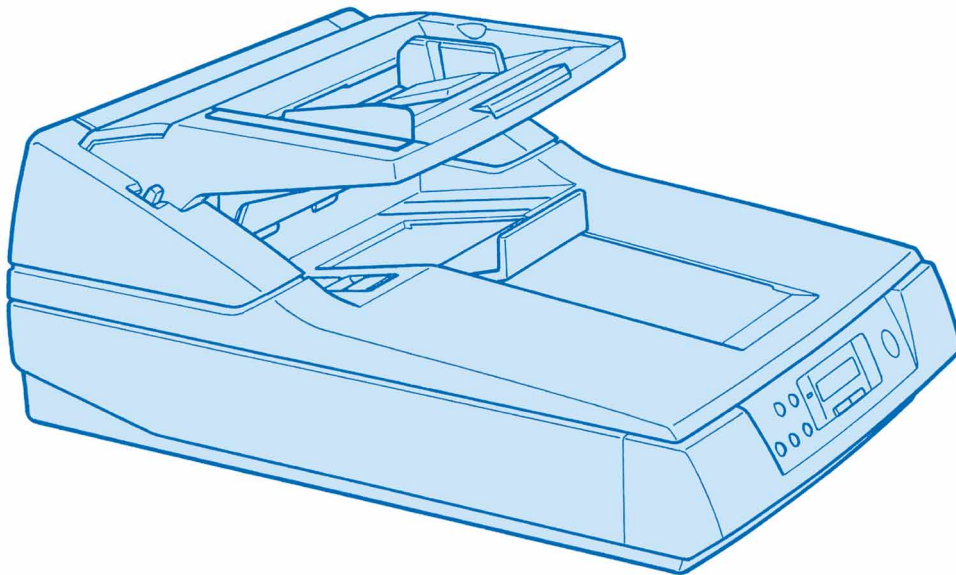


Panasonic

High Speed Scanner

Operating Instructions

Model No. **KV-S6050W / KV-S6055W /
KV-S6050WU / KV-S6055WU**



These instructions contain the information on operating the scanner. Before reading these instructions, please go through the installation manual enclosed with this unit.

Please carefully read these instructions, the enclosed installation manual and maintenance manual. Keep these documentation in a safe place for future reference. Keep the CD-ROM in the protective case. Do not expose the CD-ROM to direct sunlight or extreme heat and do not scratch or smudge the surface of the CD-ROM.

Thank you for purchasing a Panasonic “High Speed Scanner”.

- For the versatile solution for imaging needs, Panasonic developed Panasonic Image Enhancement Technology to improve the quality of your originals.
- Red and Green lamp setting right from the display panel to select dropout color quite easily. (Only back scanning for KV-S6055W)
- With these easy-to-use functions, reliable paper handling, easy maintenance and more, Panasonic would like to contribute to your imaging needs.
- Difference between the KV-S6055W and KV-S6050W is only the contact image sensor for back scanning. Please refer to page 59 “Specifications” for details.

■ System requirements

When using the scanner, the required host computer conditions are as follows.

CPU	Pentium® 166MHz or higher (Pentium® III, Celeron™ processor or higher is recommended.)
Memory (RAM)	64 MB or higher (128 MB or higher is recommended.)
OS	Windows® 95 / Windows® 98 / Windows NT® / Windows® 2000 / Windows® Me
SCSI board	Adaptec SCSI card 2930 / 2940 / 19160 / 29160N Series are recommended.

※ The scanning speed differs depending on the host computer operating environment or application.

Important

- Do not duplicate currency.
- Do not duplicate copyrighted material or the work of others except for the purpose of private use.
- Do not duplicate any kind of certificates, licenses, passports, official or private documents, and the like.



As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
(ENERGY STAR is a U.S. registered mark.)

- Windows® 95 is Microsoft® Windows® 95 operating system.
- Windows® 98 is Microsoft® Windows® 98 operating system.
- Windows NT® is Microsoft® Windows NT® operating system.
- Windows® 2000 is Microsoft® Windows® 2000 operating system.
- Microsoft®, Windows® and Windows NT® are either registered trademarks or trademarks of Microsoft Corporation in the United States and / or other countries.
- Pentium® is a registered trademark of Intel Corporation.
- Celeron™ is trademark of Intel Corporation.
- Each company's name or company product name is each company's trademark or registered trademark.

The information given in these Operating Instructions is subject to change without notice.

Table of Contents

	Page
Before You Start	Notice 4
	Precautions..... 10
	Component Identification 13
Operation	Display Panel Instructions 15
	• Display panel and keys 15
	• Setting the language 16
	• Setting the scanner 17
	Loading Documents on the ADF 34
	Loading Documents on the Flatbed 37
	• When scanning with the flatbed one time 37
	• When scanning with the flatbed repeatedly 38
	• Scanning thick documents 39
	Feeding a Document Manually 40
Others 41	
• How to use the control sheet 41	
Care and Maintenance	Clearing Paper Jams 42
	• Removing paper jams from the feed part 42
	• Removing paper jams from the exit path 43
	Cleaning the Unit 44
	• Outside of the scanner 44
	• Inside the scanner 44
	• Cleaning the rollers 44
• Cleaning the scanning section glass, CIS glass, sensor plate, sensor roller, document sensors, double feed detection sensors and paper detection sensor 47	
• Document glass and cover sheet 51	
• Roller cleaning paper 51	
Appendix	Replacing Consumable Roller Modules 52
	Repacking Instructions 58
	Specifications 59
	Troubleshooting 61
	Index 65

※ German display on the display panel is described on [page 16](#).

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, 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 shielded interface cable and the provided power supply cord. 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.

Español

AVISO:

PARA EVITAR LLAMAS O DESCARGAS ELÉCTRICAS NO EXPONGA ESTE APARATO A LA LLUVIA NI A LA HUMEDAD.

LA TOMA DE CORRIENTE DEBERÁ ESTAR CERCA DE ESTE EQUIPO Y EN UN LUGAR DE FÁCIL ACCESO.

Svenska

VARNING:

UTSÄTT INTE DENNA APPARAT FÖR REGN ELLER NÅGON FORM AV FUKT. DET KAN ORSAKA ELDSVÅDA ELLER ELEKTRISKA STÖTAR.

Vägguttaget måste vara nära apparaten och vara lätt tillgängligt.

한국어

경고:

화재 또는 감전의 위험을 방지하기 위하여 본 제품을 비 또는 여하한 형태의 습기에 노출시키지 않도록 하여 주십시오 .

소켓 코드 구멍은 반드시 본 기기의 가까이에 있어야 하며 쉽게 손댈 수 있는 곳에 설치되어 있어야 합니다.

在臺灣的使用者

警告

為防止發生火災和電擊，切勿將本機置於會遭到雨淋或其他任何類型的潮濕環境中。



電源插座務必要靠近本設備而且必須便於插拔。

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.

A 5 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.

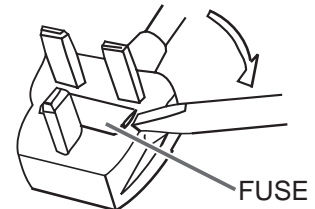
The wire which is coloured Green-and-Yellow must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol  or coloured Green-and-Yellow.

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 a 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.

Español

Este producto deberá utilizarse solamente con el cable de alimentación suministrado por el fabricante.

Svenska

Produkten får endast anslutas med den av tillverkaren medlevererade nätkabeln.

한국어

본 제품에는 제작 업체에 의하여 공급된 전원 코드만을 사용하여야 합니다.

在臺灣的使用者

警告使用者

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Notice

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 including isopropyl alcohol.
- 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).
- Please ask your Panasonic sales company about obtaining the Material Safety Data Sheet.

KEEP AWAY FROM FIRE.

Français

Avertissement

- Ne pas absorber le liquide du papier de nettoyage de rouleaux fourni ni en respirer les émanations car il contient de l'alcool isopropylique.
- 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.
- Pour la feuille de données sur la sécurité du matériel, s'adresser au revendeur Panasonic.

NE PAS APPROCHER DU FEU.

Deutsch

WARNUNG

- Die Walzenreinigungspapier-Reinigungsflüssigkeit enthält Isopropylalkohol und darf auf keinen Fall getrunken oder inhaliert werden.
- 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 Materialsicherheits-Datenblatt zu entnehmen.
- Das Materialsicherheits-Datenblatt ist auf Wunsch von Ihrem Panasonic-Fachhändler erhältlich.

VON FEUER FERNHALTEN!

Español

ADVERTENCIA

- No beba el líquido del papel de limpieza de rodillos ni aspire las emanaciones del alcohol isopropílico que contiene.
- El papel de limpieza de rodillos puede ser perjudicial para las pieles sensibles, así que póngase guantes de protección.
- No utilice el papel de limpieza de rodillos cerca de una calefacción o una llama.
- No guarde el papel de limpieza de rodillos expuesto a la luz solar directa ni en un lugar donde la temperatura sea superior a 40 °C.
- Utilice solamente papel de limpieza de rodillos para limpiar los rodillos y el área de escaneado.
- Si necesita más información acerca del papel de limpieza de rodillos, consulte la hoja de datos de seguridad del material (MSDS).
- Pregunte a la compañía de ventas Panasonic cómo obtener la hoja de datos de seguridad del material.

MANTÉNGALO ALEJADO DEL FUEGO.

한국어

경고

- 아이소프로필 알코올을 포함하여 롤러 클리닝 페이퍼 액을 마시거나 흡입하지 않도록 하여 주십시오.
- 롤러 클리닝 페이퍼는 민감한 피부에 손상을 입힐 우려가 있으므로 사용 시에는 보호 장갑을 착용하여 주십시오.
- 롤러 클리닝 페이퍼를 히터 또는 노출된 화염 근처에서 사용하지 않도록 하여 주십시오.
- 롤러 클리닝 페이퍼를 직사 일광이 비치는 곳 또는 섭씨 40 도(화씨 104 도)를 넘는 곳에 보관하지 않도록 하여 주십시오.
- 롤러 클리닝 페이퍼는 롤러와 스캐닝 부분을 청소하는 데에만 사용하여 주십시오.
- 롤러 클리닝 페이퍼에 관한 더 자세한 정보를 원할 때에는 물질 안전 데이터 시트 (Material Safety Data Sheet: MSDS)를 참조하여 주십시오.
- 물질 안전 데이터 시트는 Panasonic 판매 대리점에서 입수할 수 있습니다.

화기로부터 멀리 할 것.

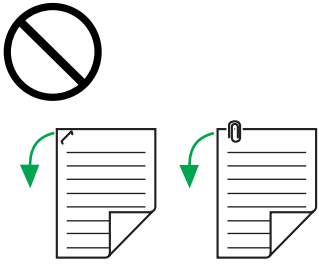
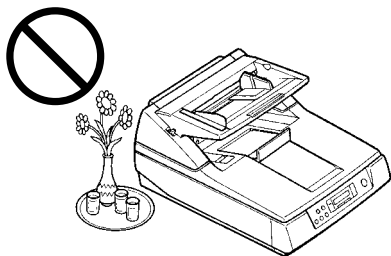
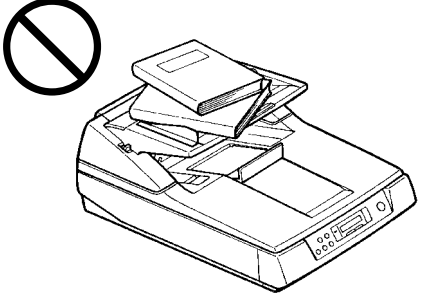
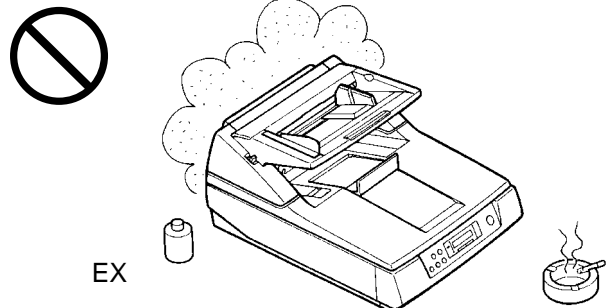
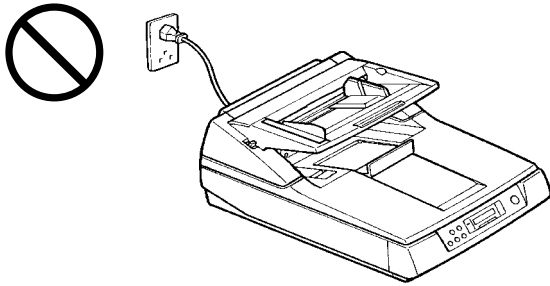
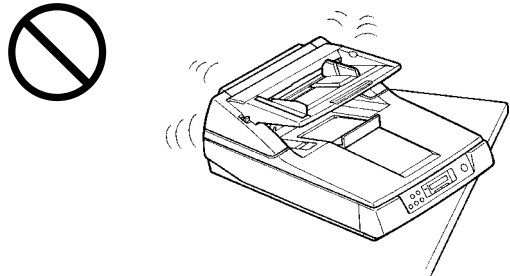
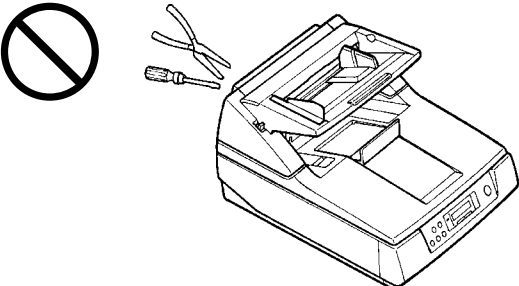
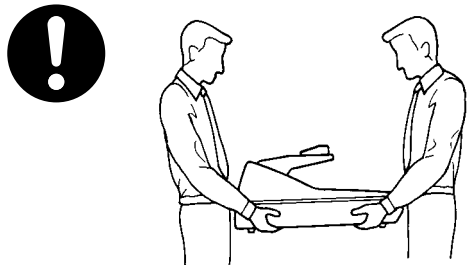
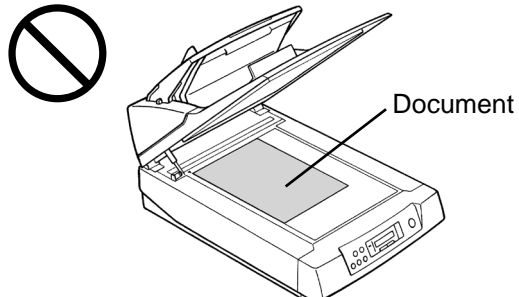
在台灣的使用者

警告

- 切勿將含有異丙醇的輓清潔紙液誤飲或吸入。
 - 輓清潔紙可能對敏感的皮膚有害，因此請戴上防護手套使用。
 - 切勿靠近加熱器具或明火使用輓清潔紙。
 - 切勿將輓清潔紙在陽光直射或溫度超過40°C (104°F)之處保管。
 - 只能使用輓清潔紙來清潔輓和掃描區域。
 - 有關輓清潔紙的具體細節請參閱材料安全數據表(MSDS)。
 - 關於獲取材料安全數據表的方法請向Panasonic銷售公司洽詢。
- 遠離火源。

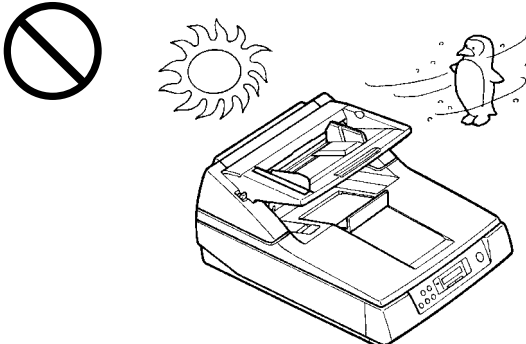
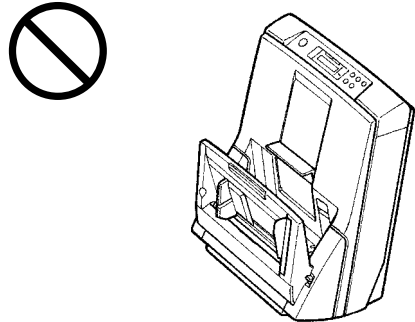
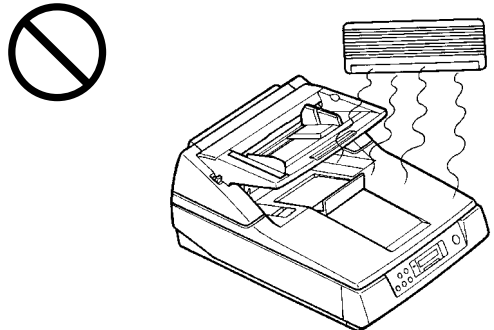
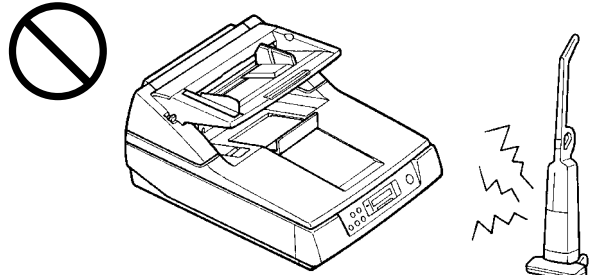
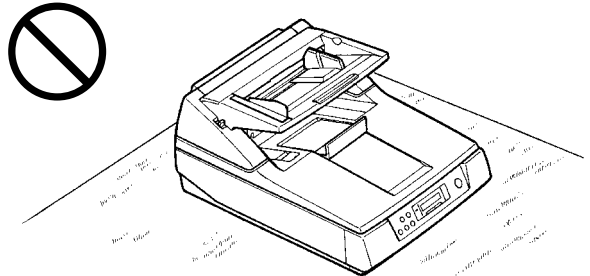
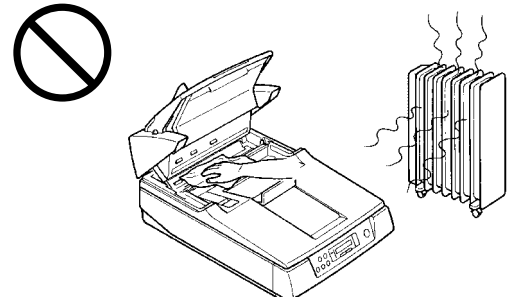
Precautions

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

<p>Prior to scanning, remove, all staples and paper clips from pages.</p>  <p>Diagram showing a document with a staple and a paper clip being removed, indicated by green arrows.</p>	<p>Do not place any liquids near the unit. — Accidental spillage of liquid into the unit may cause severe damage. If this occurs, turn the unit off, unplug the power cord and call for service.</p>  <p>Diagram showing a vase of flowers and a glass of liquid near the scanner unit.</p>	<p>Do not place books, paper, or other items on the unit.</p>  <p>Diagram showing a scanner unit with a book and papers on top.</p>
<p>Do not place the unit in an area where there is a lot of smoke, dust, chemical fumes or vibration.</p>  <p>EX</p> <p>Diagram showing the scanner unit with smoke, dust, and a lit candle nearby.</p>	<p>Do not leave the power cord plugged into the AC outlet if the unit is not used for an extended period.</p>  <p>Diagram showing the scanner unit with its power cord plugged into a wall outlet.</p>	
<p>Do not place the unit on an uneven or unstable surface.</p>  <p>Diagram showing the scanner unit on a tilted, unstable surface.</p>	<p>Do not disassemble the unit. This will void your warranty.</p>  <p>Diagram showing the scanner unit with a screwdriver and other tools nearby.</p>	
<p>It is recommended that if the scanner has to be moved, at least two people carry it.</p>  <p>Diagram showing two people carrying the scanner unit together.</p>	<p>For safety reason, do not look directly at the light. (You may damage your eyes.)</p>  <p>Document</p> <p>Diagram showing the scanner unit with a document on the bed and a label "Document" pointing to it.</p>	

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

Operating Environment

<p>Do not place the unit in direct sunlight or in a cold draft.</p> 	<p>Do not operate or place 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 which generate large electrical noise.</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> 

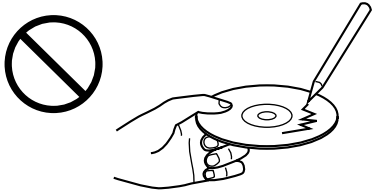
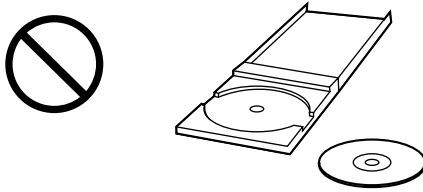
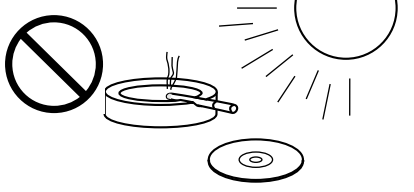
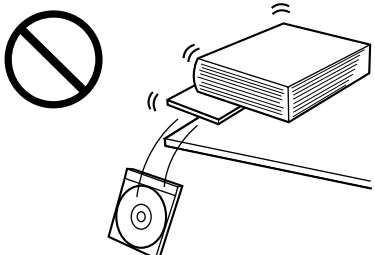
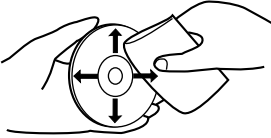
●Power Source

- Use a voltage level that does not vary more than $\pm 10\%$ from the voltage level marked on the nameplate (located on the back side 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.

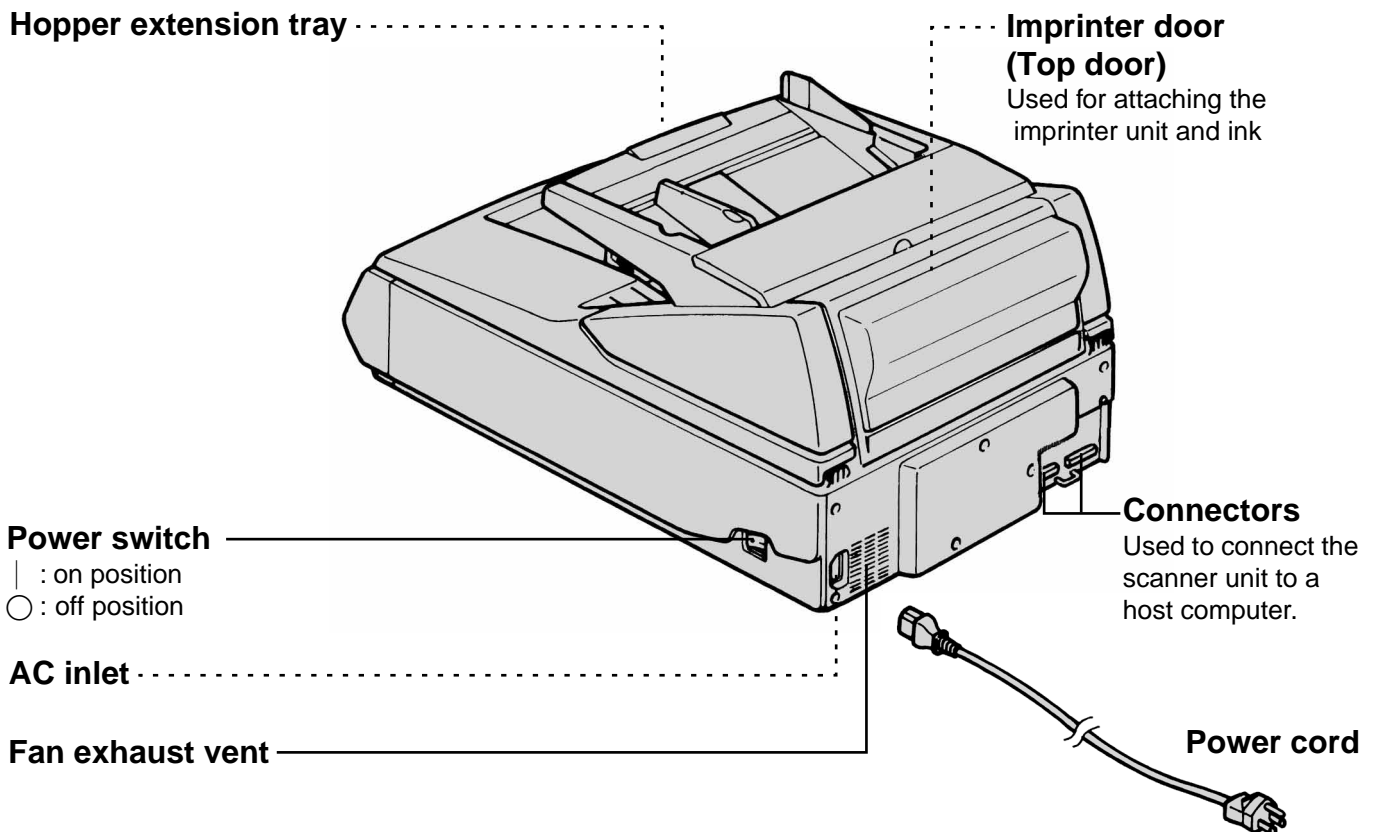
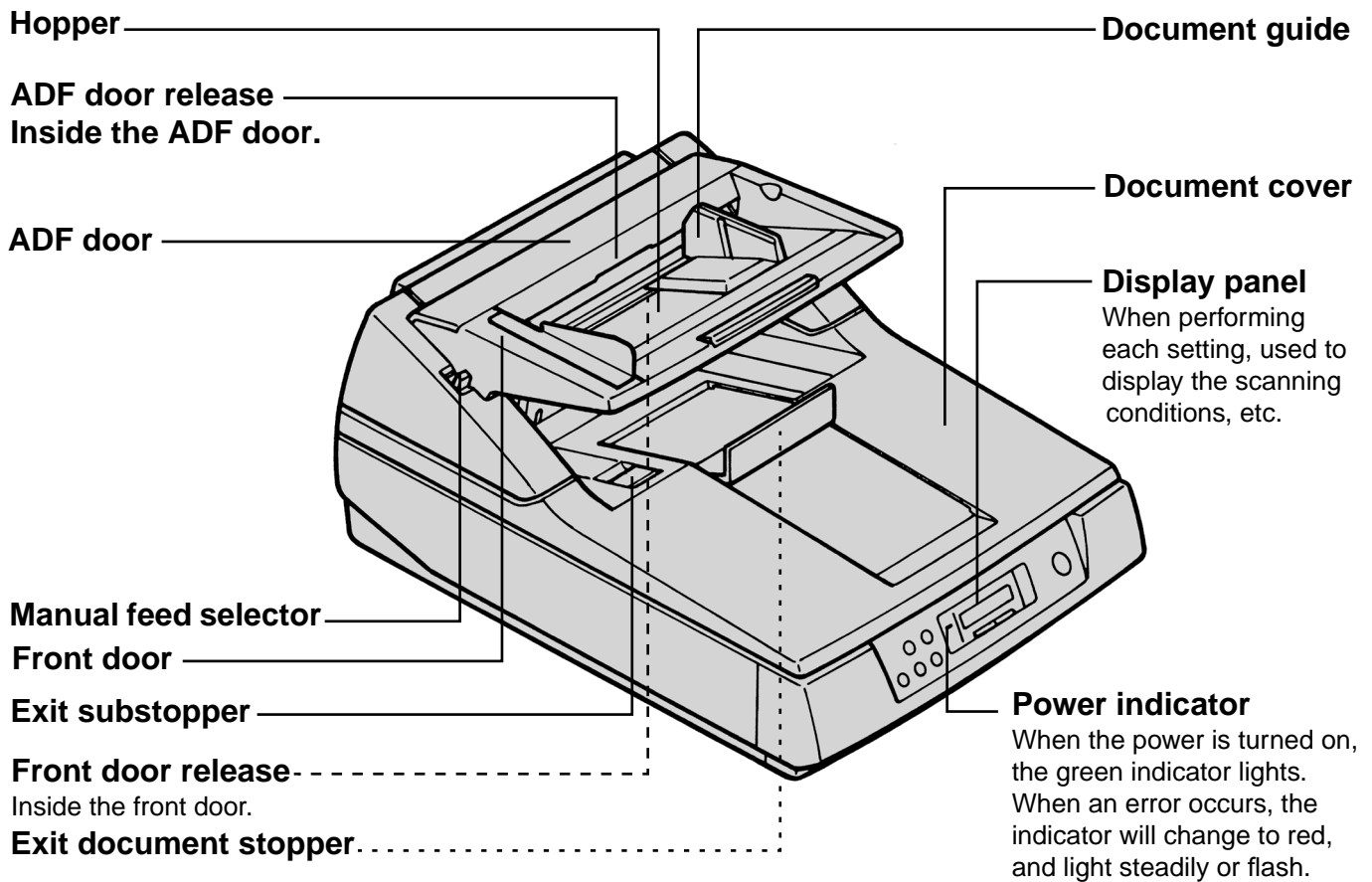
Precautions

CD-ROM

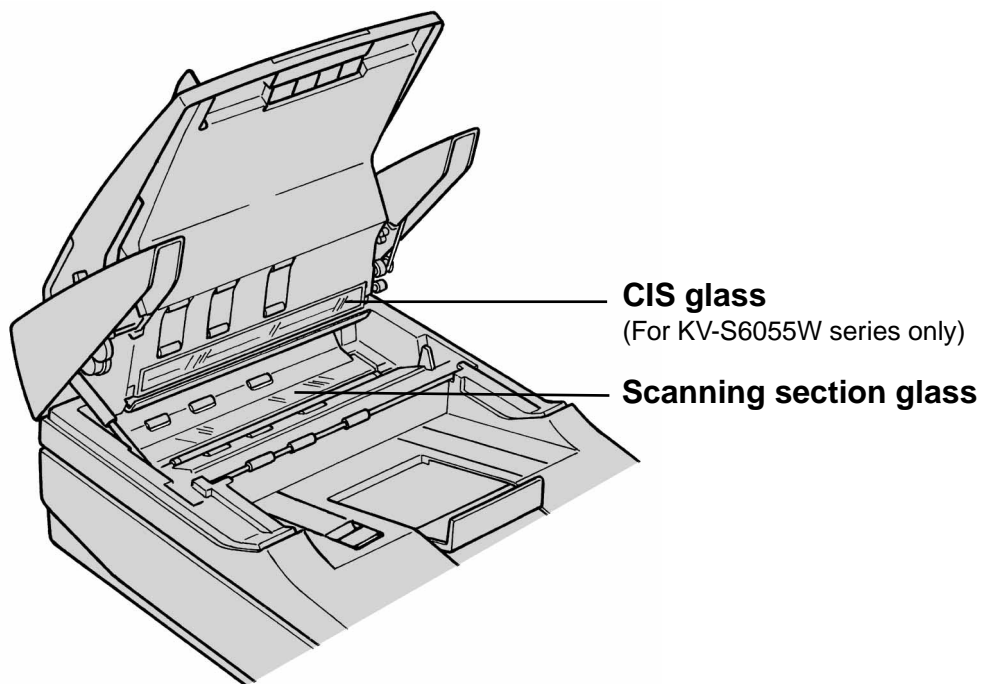
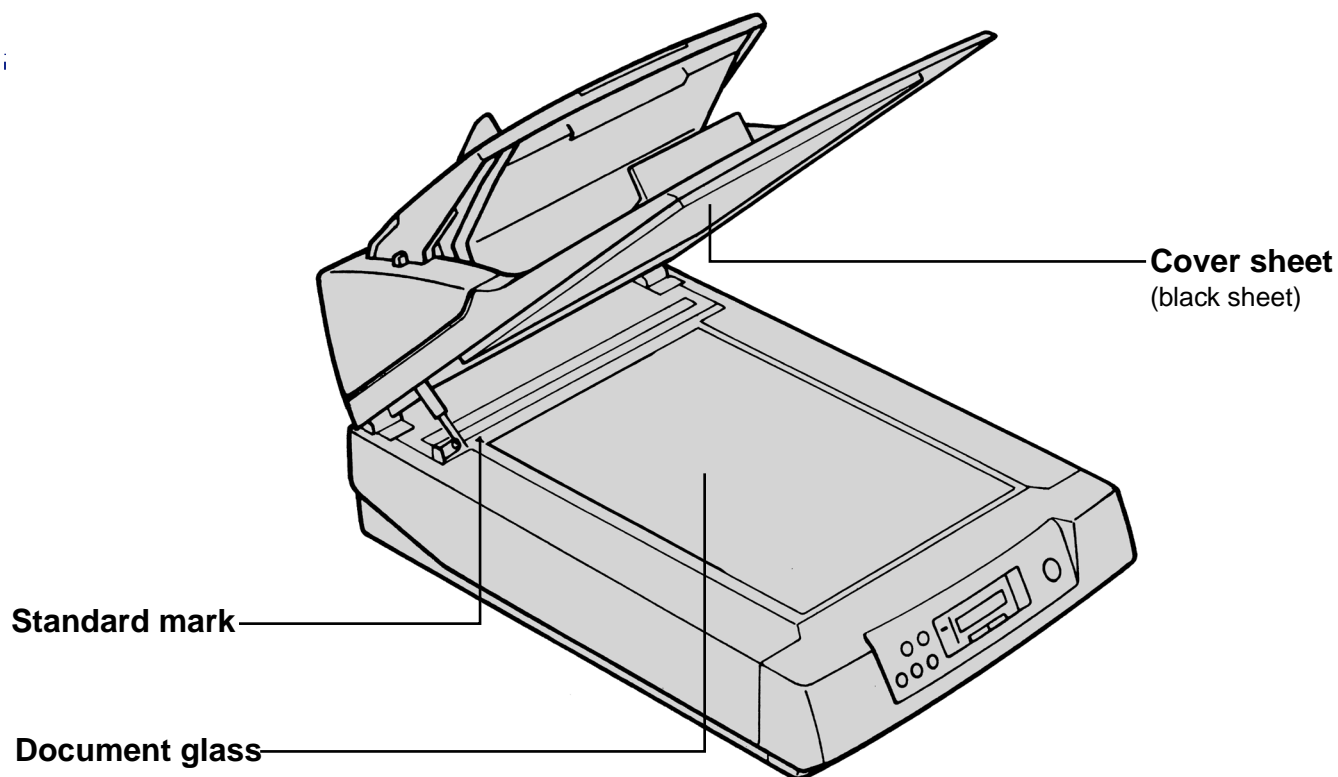
To prevent the CD-ROMs from accidental damages:

<p>Do not touch or write on the surface of the disc.</p>  <p>The illustration shows a hand holding a CD-ROM. A pen is touching the surface of the disc, which is marked with a jagged line to indicate damage. A prohibition sign is to the left.</p>	<p>Do not leave the disc out of the protective case.</p>  <p>The illustration shows an open CD-ROM case with a disc lying on the surface next to it. A prohibition sign is to the left.</p>	<p>Do not leave the disc in direct sunlight or near heat sources.</p>  <p>The illustration shows a CD-ROM case and a disc. A lit cigarette is nearby, and a sun is in the background with rays. A prohibition sign is to the left.</p>
<p>Do not place heavy objects on the disc case or drop the case.</p>  <p>The illustration shows a CD-ROM case with a heavy book on top. A disc is shown falling from the case. A prohibition sign is to the left.</p>	<p>To clean the disc, hold the disc by its edges and wipe it from the center to the edges with a dry, soft cloth.</p>  <p>The illustration shows a hand holding a CD-ROM by its edges. A cloth is being used to wipe the surface from the center outwards. Arrows indicate the direction of wiping.</p>	

Component Identification



Component Identification

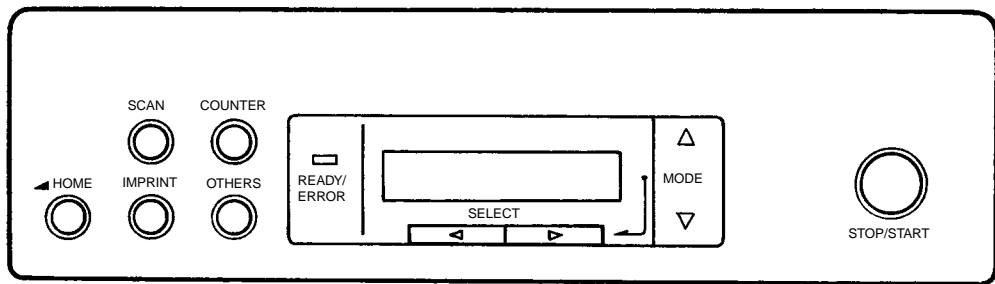









Display Panel Instructions

The required settings must be selected prior to scanning.
 Information and conditions are shown on the LCD (Liquid Crystal Display).

R	e	a	d	y															

■ Display panel and keys



- SCAN
 : Press to enter the scanning setting menu.
 - COUNTER
 : Press to enter the counter setting menu.
 - IMPRINT
 : Press to enter the imprinter setting menu.
 - OTHERS
 : Press to enter "others" setting menu.
 - ◀ HOME
 : Press to exit from the setting section and return to the ready status. Also, this function can change the display language.
 - STOP / START
 : Press to start or stop scanning a document or batch of documents.
-
- LCD  :
 Up to 32 characters can be displayed during scanning or setting.
 - ▲ : Press to advance to the next mode in the selected menu.
 - ▼ : Press to return to the previous mode in the selected menu.
 - ▶ : Press to advance to the next value in the selected mode.
 - ◀ : Press to return to the previous value in the selected mode.

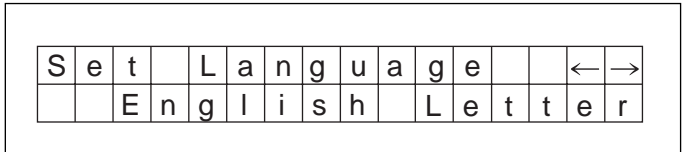
Display Panel Instructions

■ Setting the language

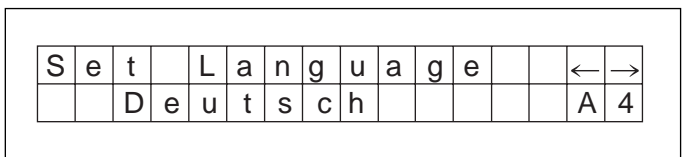
- Select English, German or Japanese as the language which is to appear on the LCD display.
- The language setting mode is appeared automatically when the unit's power is turned on for the first time after the unit was purchased. English is the default language.

1 Turn the power on while pressing the HOME key.

- When "High Speed Scanner" or other words appear on the LCD, release the HOME key.

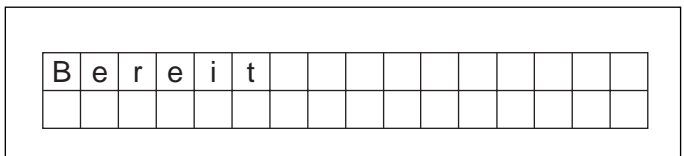


2 Use the ◀ key or the ▶ key to select "English Letter", "English A4", "Deutsch A4" or "ニホンゴ A4".



3 Press the HOME key.

- The display will change to the selected language, then the scanner will be ready.
- This setting will remain until it is changed to another setting.



■ Setting the scanner

The following parameters can be customized using the scanner's various setting modes. If the application software provides these features, it will be supported by the scanner.

Scan menu

No.	Item	LCD	Content	Page
01	Front side brightness	F. Brightness	Selection for density when scanning the front side of a document.	22
02	Front side image emphasis	F. Emphasis	Selection for emphasis when scanning the front side of a document.	
03	Front side contrast	F. Contrast	Selection for contrast when scanning the front side of a document.	
04	Front side halftone	F. Halftone	Selection for gradation when scanning the front side of a document.	23
05	Back side dropout color (For KV-S6055W series only)	B. Color drop	Color selection for dropout when scanning the back side of a document.	
06	Back side brightness (For KV-S6055W series only)	B. Brightness	Selection for density when scanning the back side of a document.	
07	Back side image emphasis (For KV-S6055W series only)	B. Emphasis	Selection for emphasis when scanning the back side of a document.	
08	Back side contrast (For KV-S6055W series only)	B. Contrast	Selection for contrast when scanning the back side of a document.	
09	Back side halftone (For KV-S6055W series only)	B. Halftone	Selection for gradation when scanning the back side of a document.	24
10	Noise reduction	Noise Reduct.	Selection for noise reduction when scanning a document.	
11	Black line removal	BLK Line Remove	Selection to choose the black lines which appear at the top, bottom and left/right sides of the image after scanning the document.	
12	Scanning mode	Scanning Mode	Selects whether documents are scanned at actual size or reduced (Fit to page) size.	
13	Double feed detection	Double Feed	Selection to choose to detect double feeding function. When scanning very important documents, confirm if the number of scanned pages displayed on the LCD matches the number of actual pages.	25
14	Setting the "Double Feed" detector action	Double Feed Action	Selects the action of the Double Feed Detector when double feed occurs.	
15	Setting the "Double Feed" detector sensitivity	Double Feed	Selects the sensitivity of the Double Feed Detector.	

Display Panel Instructions

Scan menu

No.	Item	LCD	Content	Page
16	Feed speed	Feed Speed	Selection for feed speed when a document is being scanned.	25
17	Setting the "Detect Skew"	Detect Skew	Selects whether skew is detected or not detected.	
18	Scanning method	Scan Method	Selection of documents to be scanned. This includes documents placed in the ADF and documents placed on the flatbed glass (document glass).	26
19	Save scanning settings (Select memory)	Save Setting	Selects the memory where the conditions are saved into.	
	Save scanning settings (Execution)	Save Setting	Saves the scanning conditions into the memory. (2 memory settings)	
20	Load scanning setting	Load Setting	Loads the memory where the scanning conditions have already been saved. If "Default" is selected, all of the scanning conditions will return to the default values.	

Counter menu

No.	Item	LCD	Content	Page
01	Select the counter displayed on the LCD.	Disp. Counter	Selection to choose to display the cleared counter (scan counter) after scanning one time or to display the user set counter (user counter) on the LCD.	27
02	Setting the User Counter	User Counter	Selection for default number before scanning	
	Setting the user counter extender	User Counter	Selection for an increase in the default number	
	Clear the user counter.	User Counter	Clears the counter which was set by the user.	
03	System Count	System Count.	Displays the total amount of scanned documents up to now.	

Imprinter menu

Depending on the setting on the “Counter setting menu”, the page number of the scanned document will be printed. The imprinter unit (KV-SS010) is required. If a host computer is connected, there may be settings required on the host computer as well.

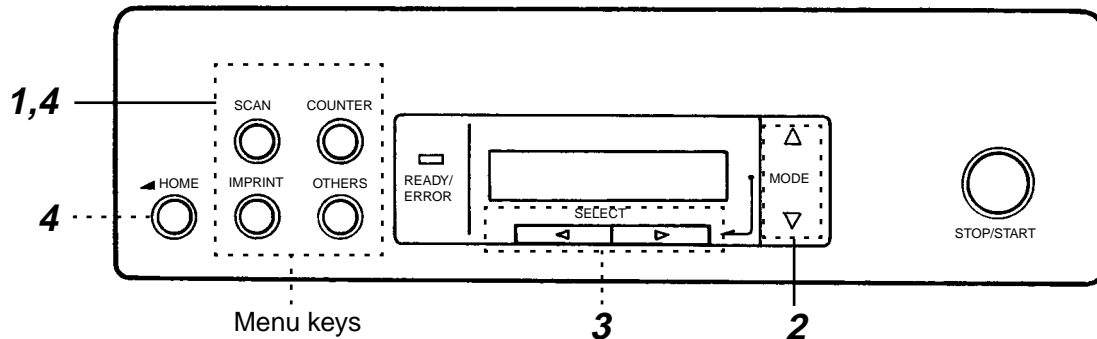
No.	Item	LCD	Content	Page
01	Setting the imprinter data	Pre Imprint	Allows for the selection of the printing content using an imprinter. The imprinter will print on the printing (front) side of the document scanned.	28
02	Setting the imprinter position	Pre Position	Allows for the selection of the printing position using an imprinter.	
03	Setting the imprinter font style	Pre Font	Allows for the selection of the printing font style using an imprinter.	
04	Setting the imprinter orientation	Pre Rotate	Allows for the selection of the printing orientation using an imprinter.	29

Display Panel Instructions

Others menu

No.	Item	LCD	Content	Page
01	Checking the version	Version	Displays the firmware version of the mechanical control, pre-imprinter or post-imprinter. If an optional imprinter is not installed, the imprinter version will not be displayed.	30
02	Setting the buzzer	Buzzer	Selects whether the buzzer is turned on or off. If selection is in the "ON" position: When pressing a key, one short beep will be heard. When there is an error, 5 short beep will be heard. When scanning is completed correctly, one long beep will be heard.	
03	Setting the SCSI ID	SCSI ID	Sets the SCSI ID No.	
04	Setting the terminator	Terminator	Set "Enable" or "Disable". "Enable": If last device on chain "Disable": If between devices	
05	Setting the transfer rate	Transfer Rate	<ul style="list-style-type: none"> Changes the maximum value of the synchronous transfer rate of the SCSI interface. Lower the synchronous transfer rate to 10 Mbytes/sec. if the computer has failed to recognize the scanner or the scanner fails to operate properly. 	
06	Checking the roller cleaning warning	Clean Roller	The alarm tells you it is time to check roller. If it is near 100%, clean the roller. See "Cleaning the Unit" on page 44 .	31
	Clearing the roller cleaning warning	Clean Roller	Clear the "Clean Roller Warning ○○%" display.	
07	Checking the roller modules replacement warning	Replace Roll.	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 Consumable" on page 52 .	
	Clearing the roller modules replacement warning	Replace Roll.	Clear the "Replace Roll. Warning ○○%" display.	
08	Setting the product ID	Product ID	Selects the product ID. The product ID setting depends on the host computer scanner application you are using. Allows scanner to emulate other Panasonic scanner.	32
09	Setting the sleep mode	Sleep Mode	Sets the time until sleep mode turns ON.	

● Operation



1 Press the menu key until the desired menu is displayed.

- The **SCAN**, **COUNTER**, **IMPRINT** and **OTHERS** keys are used as a menu key.
- When pressing the **SCAN** key, the display will appear as shown in the diagram on the right.

(ex. SCAN)

0	1	.	F	.	B	r	i	g	h	t	n	e	s	s	
D	-	-	-	-	+	-	-	-	-	L		H	o	s	t

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

- The display at the right is an example of a setting for the scanning setting mode.

0	7	.	B	.	C	o	n	t	r	a	s	t			
L	-	-	-	-	+	-	-	-	-	H		H	o	s	t

3 Use the ► key or the ◀ key to select the desired content.

- The display on the right is an example of a setting for the back side contrast.

0	7	.	B	.	C	o	n	t	r	a	s	t			
L	-	-	*	-	+	-	-	-	-	H				L	2

4 Press the HOME key to return to the “Ready” display or another menu key to go to another menu.

When the HOME key is pressed :

R	e	a	d	y											

When the COUNTER key is pressed for another menu key :

0	1	.	D	i	s	p	.	C	o	u	n	t	e	r		
													S	c	a	n

- ※ In steps 2 or 3, you can change to the desired menu by pressing the desired menu key.
- ※ See [pages 22 to 33](#) for details.
- ※ For changing the display language, see [page 16](#).

Display Panel Instructions

● Actual settings

Scan setting menu (by pressing the SCAN key)

<p>Number, mode and default display</p> <ul style="list-style-type: none"> Pressing the ▲ key will change to the next mode. Pressing the ▼ key will change to the previous mode. 	<p>Contents</p> <ul style="list-style-type: none"> Pressing the ► key or the ◀ key will change to another value. 																																
<p>01 Front side brightness</p> <table border="1" data-bbox="188 597 676 661"> <tr> <td>0</td><td>1</td><td>.</td><td>F</td><td>.</td><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> </tr> <tr> <td>D</td><td>-</td><td>-</td><td>-</td><td>+</td><td>-</td><td>-</td><td>-</td><td>-</td><td>L</td><td></td><td>H</td><td>o</td><td>s</td><td>t</td><td></td> </tr> </table>	0	1	.	F	.	B	r	i	g	h	t	n	e	s	s		D	-	-	-	+	-	-	-	-	L		H	o	s	t		<p>D4 ↔ D3 ↔ D2 ↔ D1 ↔ Norm ↔ L1 ↔ L2 ↔ L3 ↔ L4</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host</p> <ul style="list-style-type: none"> When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Norm”. “D” means dark. “L” means light.
0	1	.	F	.	B	r	i	g	h	t	n	e	s	s																			
D	-	-	-	+	-	-	-	-	L		H	o	s	t																			
<p>02 Front side image emphasis</p> <table border="1" data-bbox="188 876 676 940"> <tr> <td>0</td><td>2</td><td>.</td><td>F</td><td>.</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></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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	0	2	.	F	.	E	m	p	h	a	s	i	s				-	-	-	+	-								H	o	s	t	<p>Smooth ↔ None ↔ Low ↔ Medium ↔ High</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host</p> <ul style="list-style-type: none"> When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Medium”.
0	2	.	F	.	E	m	p	h	a	s	i	s																					
	-	-	-	+	-								H	o	s	t																	
<p>03 Front side contrast</p> <table border="1" data-bbox="188 1127 676 1191"> <tr> <td>0</td><td>3</td><td>.</td><td>F</td><td>.</td><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></td><td></td> </tr> <tr> <td>L</td><td>-</td><td>-</td><td>-</td><td>+</td><td>-</td><td>-</td><td>-</td><td>-</td><td>H</td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	0	3	.	F	.	C	o	n	t	r	a	s	t			L	-	-	-	+	-	-	-	-	H		H	o	s	t	<p>L4 ↔ L3 ↔ L2 ↔ L1 ↔ Norm ↔ H1 ↔ H2 ↔ H3 ↔ H4</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host</p> <ul style="list-style-type: none"> When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Norm”. “H” means high. “L” means low. 		
0	3	.	F	.	C	o	n	t	r	a	s	t																					
L	-	-	-	+	-	-	-	-	H		H	o	s	t																			

- For changing the display language, see [page 16](#).

<p>04 Front side halftone</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>4</td><td>.</td><td>F</td><td>.</td><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></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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	0	4	.	F	.	H	a	l	f	t	o	n	e																H	o	s	t	<p>→ Host ↔ Binary ↔ Bayer dither 64 ↔ Bayer dither 16 ←</p> <p>↳ Halftone dot 32 ↔ Halftone dot 64 ↔ Error diffusion ←</p> <p>↳ (Dynamic Th.)^{※1} ←</p> <p>※¹The dynamic threshold is not displayed if the DIMM expansion memory module has not been installed. If the dynamic threshold is to be used, install a DIMM memory module which is available on the market. For details on how to install it refer to the installation manual.</p>	
0	4	.	F	.	H	a	l	f	t	o	n	e																						
													H	o	s	t																		
<p>05 Back side dropout color</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>5</td><td>.</td><td>B</td><td>.</td><td>C</td><td>o</td><td>l</td><td>o</td><td>r</td><td></td><td>d</td><td>r</td><td>o</td><td>p</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></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• KV-S6055W series only.</p>	0	5	.	B	.	C	o	l	o	r		d	r	o	p															H	o	s	t	<p>Color selection</p> <p>↳ Host ↔ Red ↔ Green ←</p>
0	5	.	B	.	C	o	l	o	r		d	r	o	p																				
														H	o	s	t																	
<p>06 Back side brightness</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>6</td><td>.</td><td>B</td><td>.</td><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> </tr> <tr> <td>D</td><td>-</td><td>-</td><td>-</td><td>-</td><td>+</td><td>-</td><td>-</td><td>-</td><td>-</td><td>L</td><td></td><td></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• KV-S6055W series only.</p>	0	6	.	B	.	B	r	i	g	h	t	n	e	s	s	D	-	-	-	-	+	-	-	-	-	L				H	o	s	t	<p>D4 ↔ D3 ↔ D2 ↔ D1 ↔ Norm ↔ L1 ↔ L2 ↔ L3 ↔ L4</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host ←</p> <ul style="list-style-type: none"> • When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Norm”. • “D” means dark. “L” means light.
0	6	.	B	.	B	r	i	g	h	t	n	e	s	s																				
D	-	-	-	-	+	-	-	-	-	L				H	o	s	t																	
<p>07 Back side image emphasis</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>7</td><td>.</td><td>B</td><td>.</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></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><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• KV-S6055W series only.</p>	0	7	.	B	.	E	m	p	h	a	s	i	s					-	-	-	+	-	-	-	-					H	o	s	t	<p>Smooth ↔ None ↔ Low ↔ Medium ↔ High</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host ←</p> <ul style="list-style-type: none"> • When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Medium”.
0	7	.	B	.	E	m	p	h	a	s	i	s																						
		-	-	-	+	-	-	-	-					H	o	s	t																	
<p>08 Back side contrast</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>8</td><td>.</td><td>B</td><td>.</td><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></td><td></td> </tr> <tr> <td>L</td><td>-</td><td>-</td><td>-</td><td>-</td><td>+</td><td>-</td><td>-</td><td>-</td><td>-</td><td>H</td><td></td><td></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• KV-S6055W series only.</p>	0	8	.	B	.	C	o	n	t	r	a	s	t			L	-	-	-	-	+	-	-	-	-	H				H	o	s	t	<p>L4 ↔ L3 ↔ L2 ↔ L1 ↔ Norm ↔ H1 ↔ H2 ↔ H3 ↔ H4</p> <p style="text-align: center;">↑</p> <p style="text-align: center;">Host ←</p> <ul style="list-style-type: none"> • When “Host” is displayed, pressing the ► key or the ◀ key will change the display to “Norm”. • “H” means high. “L” means low.
0	8	.	B	.	C	o	n	t	r	a	s	t																						
L	-	-	-	-	+	-	-	-	-	H				H	o	s	t																	

Display Panel Instructions

<p>09 Back side halftone</p> <table border="1" data-bbox="177 293 663 357"> <tr> <td>0</td><td>9</td><td>.</td><td>B</td><td>.</td><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></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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <ul style="list-style-type: none"> • KV-S6055W series only. 	0	9	.	B	.	H	a	l	f	t	o	n	e															H	o	s	t	<p>→ Host ↔ Binary ↔ Bayer dither 64 ↔ Bayer dither 16 ←</p> <p>→ Halftone dot 32 ↔ Halftone dot 64 ↔ Error diffusion ←</p> <p>→ (Dynamic Th.)^{※1} ←</p> <p>※¹The dynamic threshold is not displayed if the DIMM expansion memory module has not been installed. If the dynamic threshold is to be used, install a DIMM memory module which is available on the market. For details on how to install it refer to the installation manual.</p>				
0	9	.	B	.	H	a	l	f	t	o	n	e																								
												H	o	s	t																					
<p>10 Noise reduction</p> <table border="1" data-bbox="177 687 663 751"> <tr> <td>1</td><td>0</td><td>.</td><td>N</td><td>o</td><td>i</td><td>s</td><td>e</td><td></td><td>R</td><td>e</td><td>d</td><td>u</td><td>c</td><td>t</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></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	0	.	N	o	i	s	e		R	e	d	u	c	t	.																H	o	s	t	<p>→ Host ↔ None ↔ B1X1 ↔ B2X2 ↔ B3X3 ←</p> <p>→ B4X4 ↔ B5X5 ↔ B6X6 ↔ W1X1 ↔ W2X2 ←</p> <p>→ W3X3 ↔ W4X4 ↔ W5X5 ↔ W6X6 ←</p> <p>B1 × 1~B6 × 6 : Scanner reduces a black dot. W1 × 1~W6 × 6 : Scanner reduces a white dot.</p>
1	0	.	N	o	i	s	e		R	e	d	u	c	t	.																					
															H	o	s	t																		
<p>11 Black line removal</p> <table border="1" data-bbox="177 985 663 1049"> <tr> <td>1</td><td>1</td><td>.</td><td>B</td><td>L</td><td>K</td><td></td><td>L</td><td>i</td><td>n</td><td>e</td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td>R</td><td>e</td><td>m</td><td>o</td><td>v</td><td>e</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>	1	1	.	B	L	K		L	i	n	e								R	e	m	o	v	e						H	o	s	t	<p>→ Host ↔ Disable ↔ Enable ←</p> <ul style="list-style-type: none"> • This setting is valid only when the white roller kit is installed. 		
1	1	.	B	L	K		L	i	n	e																										
			R	e	m	o	v	e						H	o	s	t																			
<p>12 Scanning mode</p> <table border="1" data-bbox="177 1144 663 1208"> <tr> <td>1</td><td>2</td><td>.</td><td>S</td><td>c</td><td>a</td><td>n</td><td>n</td><td>i</td><td>n</td><td>g</td><td></td><td>M</td><td>o</td><td>d</td><td>e</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></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	2	.	S	c	a	n	n	i	n	g		M	o	d	e																H	o	s	t	<p>→ Host ↔ Fit to Page ↔ Actual ←</p> <p>Fit to Page : Scanner shrinks image to fit scanned page. Actual : Scanner scans at 100% actual page size. Some of the data on the edges of the page may be lost.</p>
1	2	.	S	c	a	n	n	i	n	g		M	o	d	e																					
															H	o	s	t																		
<p>13 Double feed detection</p> <table border="1" data-bbox="177 1415 663 1478"> <tr> <td>1</td><td>3</td><td>.</td><td>D</td><td>o</td><td>u</td><td>b</td><td>l</td><td>e</td><td></td><td>F</td><td>e</td><td>e</td><td>d</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></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	3	.	D	o	u	b	l	e		F	e	e	d																H	o	s	t	<p>→ Host ↔ Not detect ↔ Detect ←</p> <p>If set to “Detect”, the scanner will sound a buzzer and the power indicator will flash red when double feeding is detected. Even if this buzzer is set to “OFF” in “Setting the buzzer” (see page 30), it will still ring.</p> <ul style="list-style-type: none"> • When scanning very important documents, confirm if the number of scanned pages displayed on the LCD matches the number of actual pages. 		
1	3	.	D	o	u	b	l	e		F	e	e	d																							
														H	o	s	t																			

<p>14 Setting the “Double Feed” detector action</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>4</td><td>.</td><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> </tr> <tr> <td></td><td></td><td></td><td>A</td><td>c</td><td>t</td><td>i</td><td>o</td><td>n</td><td></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	4	.	D	o	u	b	l	e	F	e	e	d						A	c	t	i	o	n			H	o	s	t	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> → Host ↔ Stop ↔ Buzzer ← </div> <p>Host : The scanner will act in response to commands from the host computer.</p> <p>Stop : The scanner will display double feed error and stop when it detects double feeding.</p> <p>Buzzer : When the scanner detects double feeding, it will sound a buzzer, the power indicator will light red and it will continue scanning. After completing scanning, the scanner will display double feeding warning.</p>
1	4	.	D	o	u	b	l	e	F	e	e	d																			
			A	c	t	i	o	n			H	o	s	t																	
<p>15 Setting the “Double Feed” detector sensitivity</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>5</td><td>.</td><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> </tr> <tr> <td></td><td></td><td></td><td>S</td><td>e</td><td>n</td><td>s</td><td>.</td><td></td><td>H</td><td>o</td><td>s</td><td>t</td><td></td><td></td> </tr> </table>	1	5	.	D	o	u	b	l	e	F	e	e	d						S	e	n	s	.		H	o	s	t			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> → Sens. Host ↔ Low sensitivity ← </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> → Normal Sens. ↔ High sensitivity ← </div> <p>Low sensitivity : The double feed detector’s sensitivity will be low. Set this when there is an error for no double feeding.</p> <p>High sensitivity : The double feed detector’s sensitivity will be high. Set this when there is no error for double feeding.</p>
1	5	.	D	o	u	b	l	e	F	e	e	d																			
			S	e	n	s	.		H	o	s	t																			
<p>16 Feed speed</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>6</td><td>.</td><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> </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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	6	.	F	e	e	d	S	p	e	e	d														H	o	s	t	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> → Host ↔ Slow ↔ Normal ↔ Fast ← </div> <p>Fast : The scanner scans approximately 1.3 times faster than when “Normal” is set, at a resolution ranging from 200dpi to 400dpi. For example, when the resolution is 200dpi, the scanner scans at 200dpi × 150dpi, but outputs the image at 200dpi × 200dpi. However, the image quality produced by “Fast” is inferior to the image quality produced by “Normal”.</p> <p>Slow : The scanner scans at half of the “Normal” speed.</p>	
1	6	.	F	e	e	d	S	p	e	e	d																				
											H	o	s	t																	
<p>17 Setting the “Detect Skew”</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>7</td><td>.</td><td>D</td><td>e</td><td>t</td><td>e</td><td>c</td><td>t</td><td>S</td><td>k</td><td>e</td><td>w</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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table>	1	7	.	D	e	t	e	c	t	S	k	e	w														H	o	s	t	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> → Host ↔ Not detect ↔ Detect ← </div> <p>Detect : If the document is not moving straight, scanning will stop and “U20 Skew Error” will be displayed.</p> <p>Not detect : The document will be scanned even if it is not moving straight.</p>
1	7	.	D	e	t	e	c	t	S	k	e	w																			
											H	o	s	t																	

- When scanning very important documents, confirm if the number of scanned pages displayed on the LCD matches the number of actual pages.
- Thick, creased, or edited documents with correction fluid as well as documents with holes near the center may give you false double feed warning.
- When scanning a document which is shorter than 210 mm/8.3" (A5 size) in length, double feed detection will not work well.

Display Panel Instructions

<p>18 Scanning method</p> <table border="1" data-bbox="188 293 678 357"> <tr> <td>1</td><td>8</td><td>.</td><td>S</td><td>c</td><td>a</td><td>n</td><td></td><td>M</td><td>e</td><td>t</td><td>h</td><td>o</td><td>d</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>H</td><td>o</td><td>s</td><td>t</td><td></td> </tr> </table>	1	8	.	S	c	a	n		M	e	t	h	o	d												H	o	s	t		<p>→ Host ↔ FB ←</p> <p>Host : The documents placed either on the ADF or on the flatbed are scanned in response to commands from the host computer.</p> <p>FB : The documents placed on the flatbed are scanned.</p>		
1	8	.	S	c	a	n		M	e	t	h	o	d																				
										H	o	s	t																				
<p>19 Save “Scanning Settings” (Select memory)</p> <table border="1" data-bbox="188 570 678 634"> <tr> <td>1</td><td>9</td><td>.</td><td>S</td><td>a</td><td>v</td><td>e</td><td></td><td>S</td><td>e</td><td>t</td><td>t</td><td>i</td><td>n</td><td>g</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>M</td><td>e</td><td>m</td><td>o</td><td>r</td><td>y</td><td>1</td><td></td> </tr> </table>	1	9	.	S	a	v	e		S	e	t	t	i	n	g										M	e	m	o	r	y	1		<p>Memory 1 ↔ Memory 2 ←</p>
1	9	.	S	a	v	e		S	e	t	t	i	n	g																			
								M	e	m	o	r	y	1																			
<p>19 Save “Scanning Settings” (Execution)</p> <table border="1" data-bbox="188 751 678 815"> <tr> <td>1</td><td>9</td><td>.</td><td>S</td><td>a</td><td>v</td><td>e</td><td></td><td>S</td><td>e</td><td>t</td><td>t</td><td>i</td><td>n</td><td>g</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td>x</td><td>e</td><td>c</td><td>=</td><td><</td><td>></td><td></td> </tr> </table>	1	9	.	S	a	v	e		S	e	t	t	i	n	g										E	x	e	c	=	<	>		<p>When pressing the ► key and the ◀ key simultaneously, the scanning conditions set in 01 to 18 above will be saved in the memory selected in the “Save Scanning Settings (Select memory)”.</p> <p>“Completed” will be displayed after saving.</p>
1	9	.	S	a	v	e		S	e	t	t	i	n	g																			
								E	x	e	c	=	<	>																			
<p>20 Load scanning setting</p> <table border="1" data-bbox="188 915 678 978"> <tr> <td>2</td><td>0</td><td>.</td><td>L</td><td>o</td><td>a</td><td>d</td><td></td><td>S</td><td>e</td><td>t</td><td>t</td><td>i</td><td>n</td><td>g</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D</td><td>e</td><td>f</td><td>a</td><td>u</td><td>l</td><td>t</td><td></td> </tr> </table>	2	0	.	L	o	a	d		S	e	t	t	i	n	g										D	e	f	a	u	l	t		<p>→ Default ↔ Memory 1 ↔ Memory 2 ←</p> <ul style="list-style-type: none"> • If you use the ► key or the ◀ key to select Memory 1 or Memory 2, the saved scanning items will become valid by the “Save Scanning Settings (Execution)”. If other scanning items have been saved in another memory, during scanning you can change the scanning items easily. This setting will not be changed even if the power is turned off and on, and will remain valid. • If “Default” is selected, all of the saved scanning settings will return to the default values. (See “01” to “18” of the left side display.)
2	0	.	L	o	a	d		S	e	t	t	i	n	g																			
								D	e	f	a	u	l	t																			

- Scanning settings 01-18 must be saved using setting “19 Save Scanning Settings (Execution)”. Even if they are not saved, they will be applied. If the power is turned off, the next time the unit is used they will not be applied.

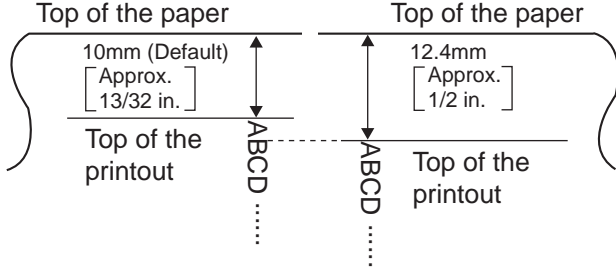
Counter setting menu (by pressing the COUNTER key)

<p>Number, mode and default display</p> <ul style="list-style-type: none"> Pressing the ▲ key will change to the next mode. Pressing the ▼ key will change to the previous mode. 	<p>Contents</p> <ul style="list-style-type: none"> Pressing the ► key or the ◀ key will change to another value. 																																	
<p>01 Select the counter displayed on the LCD</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>1</td><td>.</td><td>D</td><td>i</td><td>s</td><td>p</td><td>.</td><td>C</td><td>o</td><td>u</td><td>n</td><td>t</td><td>e</td><td>r</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>S</td><td>c</td><td>a</td><td>n</td> </tr> </table>	0	1	.	D	i	s	p	.	C	o	u	n	t	e	r														S	c	a	n	<p>→ Scan ↔ User ←</p> <p>Scan : After scanning one time, the scanner counter will be cleared. User : This counter is set to the default value. The user counter extender is also set by the user. They will be cleared when the power is turned OFF.</p>	
0	1	.	D	i	s	p	.	C	o	u	n	t	e	r																				
												S	c	a	n																			
<p>02 Setting the user counter</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>2</td><td>.</td><td>U</td><td>s</td><td>e</td><td>r</td><td></td><td>C</td><td>o</td><td>u</td><td>n</td><td>t</td><td>e</td><td>r</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></td><td></td><td>0</td> </tr> </table>	0	2	.	U	s	e	r		C	o	u	n	t	e	r																	0	<p>Pressing the ► key once will increase the user counter by one. Pressing the ◀ key once will decrease the user counter by one. Pressing the ► key or the ◀ key continuously will change the user counter value by increments of 10.</p>	
0	2	.	U	s	e	r		C	o	u	n	t	e	r																				
															0																			
<p>02 Setting the “User Counter Extender”</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>2</td><td>.</td><td>U</td><td>s</td><td>e</td><td>r</td><td></td><td>C</td><td>o</td><td>u</td><td>n</td><td>t</td><td>e</td><td>r</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></td><td></td><td>+ 1</td> </tr> </table>	0	2	.	U	s	e	r		C	o	u	n	t	e	r																	+ 1	<p>→ +1 ↔ +2 ↔ +3 ↔ ↔ +7 ↔ +8 ↔ +9 ←</p> <p>Pressing the ► key once will increase the user counter extender by one. Pressing the ◀ key once will decrease the user counter extender by one.</p>	
0	2	.	U	s	e	r		C	o	u	n	t	e	r																				
															+ 1																			
<p>02 Clear the “User Counter”</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>2</td><td>.</td><td>U</td><td>s</td><td>e</td><td>r</td><td></td><td>C</td><td>o</td><td>u</td><td>n</td><td>t</td><td>e</td><td>r</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>C</td><td>l</td><td>e</td><td>a</td><td>r</td><td>=</td><td><</td><td>></td> </tr> </table>	0	2	.	U	s	e	r		C	o	u	n	t	e	r										C	l	e	a	r	=	<	>	<p>When pressing the ► key and the ◀ key simultaneously, the user counter will be cleared. Then “Completed” will be displayed.</p>	
0	2	.	U	s	e	r		C	o	u	n	t	e	r																				
								C	l	e	a	r	=	<	>																			
<p>03 Displaying the system counter</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>3</td><td>.</td><td>S</td><td>y</td><td>s</td><td>t</td><td>e</td><td>m</td><td></td><td>C</td><td>o</td><td>u</td><td>n</td><td>t</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>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table> <p style="text-align: right;">(ex.)</p>	0	3	.	S	y	s	t	e	m		C	o	u	n	t	.											1	2	3	4	5	6	7	<p>Displays the total amount of scanned documents up to now.</p>
0	3	.	S	y	s	t	e	m		C	o	u	n	t	.																			
										1	2	3	4	5	6	7																		

Display Panel Instructions

Imprinter setting menu (by pressing the IMPRINT key)

These setting can be done only when a imprinter unit is installed.

Number, item and default display	Contents																																																																
<p>• Pressing the ▲ key will change to the next mode.</p> <p>• Pressing the ▼ key will change to the previous mode.</p> <p>01 Setting the imprinter data</p> <table border="1" data-bbox="178 597 668 661"> <tr> <td>0</td><td>1</td><td>.</td><td>P</td><td>r</td><td>e</td><td>I</td><td>m</td><td>p</td><td>r</td><td>i</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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• This setting can be done only when a imprinter is installed.</p>	0	1	.	P	r	e	I	m	p	r	i	n	t															H	o	s	t	<p>• Pressing the ► key or the ◀ key will change to another value.</p> <p>→ Host ↔ Count ←</p> <p>Host : Printing will be done according to the host computer. Count : Printing will be done according to the counter in the "Select the counter displayed on the LCD".</p>																																	
0	1	.	P	r	e	I	m	p	r	i	n	t																																																					
												H	o	s	t																																																		
<p>02 Setting the imprinter position</p> <table border="1" data-bbox="178 859 668 923"> <tr> <td>0</td><td>2</td><td>.</td><td>P</td><td>r</td><td>e</td><td>P</td><td>o</td><td>s</td><td>i</td><td>t</td><td>i</td><td>o</td><td>n</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>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• This setting can be done only when a imprinter is installed.</p>	0	2	.	P	r	e	P	o	s	i	t	i	o	n															H	o	s	t	<p>By pressing the ► key or the ◀ key, you can specify the line where printing starts from the top of the document. If "0" character is set, printing starts from 10.0 mm. The millimeter value displayed is an approximation.</p> <table border="1" data-bbox="703 938 1310 1017"> <tr> <td>0</td><td>2</td><td>.</td><td>P</td><td>r</td><td>e</td><td>P</td><td>o</td><td>s</td><td>i</td><td>t</td><td>i</td><td>o</td><td>n</td><td></td><td></td> </tr> <tr> <td><</td><td></td><td>1</td><td>C</td><td>h</td><td>a</td><td>r</td><td>></td><td></td><td></td><td>1</td><td>2</td><td>.</td><td>4</td><td>m</td><td>m</td> </tr> </table> <p>The length per character varies, depending on the 04 orientation setting.</p> <p>90° or 270°: 2.40mm per character 0° or 180°: 3.46mm per character Character: 0 - 72</p> <p>• In this example, printing starts at 12.4 mm (approx, 1/2 in.) from the top of the paper. The number 12.4 can be changed from 10.0 to 182.8 by pressing the ► key or the ◀ key.</p> 	0	2	.	P	r	e	P	o	s	i	t	i	o	n			<		1	C	h	a	r	>			1	2	.	4	m	m
0	2	.	P	r	e	P	o	s	i	t	i	o	n																																																				
												H	o	s	t																																																		
0	2	.	P	r	e	P	o	s	i	t	i	o	n																																																				
<		1	C	h	a	r	>			1	2	.	4	m	m																																																		
<p>03 Setting the imprinter font style</p> <table border="1" data-bbox="178 1693 668 1757"> <tr> <td>0</td><td>3</td><td>.</td><td>P</td><td>r</td><td>e</td><td>F</td><td>o</td><td>n</td><td>t</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></td><td></td><td>H</td><td>o</td><td>s</td><td>t</td> </tr> </table> <p>• This setting can be done only when a imprinter is installed.</p>	0	3	.	P	r	e	F	o	n	t																		H	o	s	t	<p>→ Host ↔ Bold ↔ Normal ←</p> <p>Bold : 2-dot font Normal: 1-dot font that can increase the ink lifetime longer than Bold fonts</p>																																	
0	3	.	P	r	e	F	o	n	t																																																								
												H	o	s	t																																																		

04 Setting the imprinter orientation

0	4	.	P	r	e	R	o	t	a	t	e			
											H	o	s	t

- This setting can be done only when an imprinter is installed.

→ Host ↔ 0° ↔ 90° ↔ 180° ↔ 270° ←

↑ :Transfer direction

0°	Prints portrait orientation.	A ↑ B ↑
90°	Rotates character string 90 degrees and prints.	∟ ↑ B ↑
180°	Prints portrait orientation from the end of the character string.	B ↑ A ↑
270°	Rotates character string 270 degrees and prints.	∟ ↑ A ↑

Display Panel Instructions

“Others” setting menu (by pressing the OTHERS key)

<p>Number, mode and default display</p> <ul style="list-style-type: none"> Pressing the ▲ key will change to the next mode. Pressing the ▼ key will change to the previous mode. 	<p>Contents</p> <ul style="list-style-type: none"> Pressing the ► key or the ◀ key will change to another value. 																																											
<p>01 Checking the Version</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>1</td><td>.</td><td>V</td><td>e</td><td>r</td><td>s</td><td>i</td><td>o</td><td>n</td><td></td><td></td><td></td><td></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>M</td><td>X</td><td>.</td><td>X</td><td>X</td><td>F</td><td>X</td><td>.</td><td>X</td><td>X</td> </tr> </table>	0	1	.	V	e	r	s	i	o	n																					M	X	.	X	X	F	X	.	X	X	<p>MX.XX : Displays the mechanical control firmware version. FX.XX : Displays the imprinter firmware version. If an imprinter unit is not installed, the firmware version will not be displayed.</p>			
0	1	.	V	e	r	s	i	o	n																																			
										M	X	.	X	X	F	X	.	X	X																									
<p>02 Setting the “Buzzer”</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>2</td><td>.</td><td>B</td><td>u</td><td>z</td><td>z</td><td>e</td><td>r</td><td></td><td></td><td></td><td></td><td></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></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O N</td> </tr> </table>	0	2	.	B	u	z	z	e	r																															O N	<p>→ ON ↔ OFF ←</p>			
0	2	.	B	u	z	z	e	r																																				
																			O N																									
<p>03 Setting the SCSI ID</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>3</td><td>.</td><td>S</td><td>C</td><td>S</td><td>I</td><td></td><td>I</td><td>D</td><td></td><td></td><td></td><td></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></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N o . 6</td><td></td> </tr> </table>	0	3	.	S	C	S	I		I	D																													N o . 6		<p>→ 0 ↔ 1 ↔ 2 ↔ 3 ↔ 4 ↔ 5 ↔ 6 ↔ 7 ←</p> <ul style="list-style-type: none"> Setting the SCSI ID will be activated after turning the power off and turning it on again. 			
0	3	.	S	C	S	I		I	D																																			
																		N o . 6																										
<p>04 Setting the “Terminator”</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>4</td><td>.</td><td>T</td><td>e</td><td>r</td><td>m</td><td>i</td><td>n</td><td>a</td><td>t</td><td>o</td><td>r</td><td></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></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E n a b l e</td><td></td> </tr> </table>	0	4	.	T	e	r	m	i	n	a	t	o	r																										E n a b l e		<p>→ Disable ↔ Enable ←</p> <p>When the scanner is located to terminal position on SCSI bus, set to “Enable”.</p> <ul style="list-style-type: none"> Setting the terminator will be activated after turning the power off and turning it on again. The internal terminator works only when the units power has been turned on. If the PC is to be used while the unit’s power is off, be absolutely sure to install an external terminator which is available on the market. 			
0	4	.	T	e	r	m	i	n	a	t	o	r																																
																		E n a b l e																										
<p>05 Setting the transfer rate</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>5</td><td>.</td><td>T</td><td>r</td><td>a</td><td>n</td><td>s</td><td>f</td><td>e</td><td>r</td><td></td><td>R</td><td>a</td><td>t</td><td>e</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></td><td></td><td>2</td><td>0</td><td>M</td><td>B</td><td>y</td><td>t</td><td>e</td><td>/</td><td>s</td><td>e</td><td>c</td> </tr> </table>	0	5	.	T	r	a	n	s	f	e	r		R	a	t	e																	2	0	M	B	y	t	e	/	s	e	c	<p>→ 20MByte/sec ↔ 10MByte/sec ←</p> <ul style="list-style-type: none"> Changes the maximum value of the synchronous transfer rate of the SCSI interface. Lower the synchronous transfer rate to 10 Mbytes/sec. if the computer has failed to recognize the scanner or the scanner fails to operate properly.
0	5	.	T	r	a	n	s	f	e	r		R	a	t	e																													
												2	0	M	B	y	t	e	/	s	e	c																						

<p>06 Checking the “Roller Cleaning Warning”</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>6</td><td>.</td><td>C</td><td>l</td><td>e</td><td>a</td><td>n</td><td></td><td>R</td><td>o</td><td>l</td><td>l</td><td>e</td><td>r</td><td></td> </tr> <tr> <td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>%</td> </tr> </table>	0	6	.	C	l	e	a	n		R	o	l	l	e	r		W	a	r	n	i	n	g								0	%	<p>0% : This is displayed when “Clean Roller Warning ○○%” displayed is cleared. 100% : This is displayed when the roller needs to be cleaned.</p>
0	6	.	C	l	e	a	n		R	o	l	l	e	r																			
W	a	r	n	i	n	g								0	%																		
<p>06 Clearing the “Roller Cleaning Warning”</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>6</td><td>.</td><td>C</td><td>l</td><td>e</td><td>a</td><td>n</td><td></td><td>R</td><td>o</td><td>l</td><td>l</td><td>e</td><td>r</td><td></td> </tr> <tr> <td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td></td><td>C</td><td>l</td><td>e</td><td>a</td><td>r</td><td>=</td><td><</td><td>></td> </tr> </table>	0	6	.	C	l	e	a	n		R	o	l	l	e	r		W	a	r	n	i	n	g		C	l	e	a	r	=	<	>	<p>When pressing the ► key and the ◀ key simultaneously, “Clean Roller Warning” will be cleared. Then “Completed” will be displayed.</p>
0	6	.	C	l	e	a	n		R	o	l	l	e	r																			
W	a	r	n	i	n	g		C	l	e	a	r	=	<	>																		
<p>07 Checking the roller modules replacement warning</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>7</td><td>.</td><td>R</td><td>e</td><td>p</td><td>l</td><td>a</td><td>c</td><td>e</td><td></td><td>R</td><td>o</td><td>l</td><td>l</td><td>.</td> </tr> <tr> <td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>%</td> </tr> </table>	0	7	.	R	e	p	l	a	c	e		R	o	l	l	.	W	a	r	n	i	n	g								0	%	<p>0% : This is displayed when “Replace Roll. Warning ○○%” displayed is cleared. 100% : This is displayed when the roller modules need to be replaced.</p>
0	7	.	R	e	p	l	a	c	e		R	o	l	l	.																		
W	a	r	n	i	n	g								0	%																		
<p>07 Clearing the roller modules replacement warning</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>0</td><td>7</td><td>.</td><td>R</td><td>e</td><td>p</td><td>l</td><td>a</td><td>c</td><td>e</td><td></td><td>R</td><td>o</td><td>l</td><td>l</td><td>.</td> </tr> <tr> <td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td></td><td>C</td><td>l</td><td>e</td><td>a</td><td>r</td><td>=</td><td><</td><td>></td> </tr> </table>	0	7	.	R	e	p	l	a	c	e		R	o	l	l	.	W	a	r	n	i	n	g		C	l	e	a	r	=	<	>	<p>When pressing the ► key and the ◀ key simultaneously, “Replace Roll. Warning” will be cleared. Then “Completed” will be displayed.</p>
0	7	.	R	e	p	l	a	c	e		R	o	l	l	.																		
W	a	r	n	i	n	g		C	l	e	a	r	=	<	>																		

Display Panel Instructions

08 Setting the "Product ID"

0	8	.	P	r	o	d	u	c	t	I	D		
								K	V	-	S	6	0
												5	5

- KV-S6055W series

→ KV-S6055 ↔ KV-SS855 ↔ KV-S2055 ↔ KV-S6045 ←
 ↳ KV-S2065 ←

- KV-S6050W series

→ KV-S6050 ↔ KV-SS855 ↔ KV-S2055 ↔ KV-S6040 ←
 ↳ KV-S2065 ←

The applications for the scanner which have been set can be used.

- An error results if an attempt is made to use a function which are not provided with the KV-S6050W or KV-S6055W series of scanners.
- No guarantees are given for complete compatibility.

09 Setting the sleep mode

0	9	.	S	l	e	e	p	M	o	d	e		
			A	f	t	e	r		1	5	m	i	n
												.	

To conserve energy and operating cost, this scanner is provided with a programmable power save feature. The scanner is factory set with the power save feature (sleep mode) turned on to comply with ENERGY STAR® requirement. If sleep mode is enabled, the scanner enters the sleep mode when the scanner is idle for 15 minutes.

→ After 1 min. ~ After 60 min. ↔ Disable ←

- 1min. ~ 60min.
- To return from the sleep mode, press any key on the scanner or issue the scan instruction from the application.

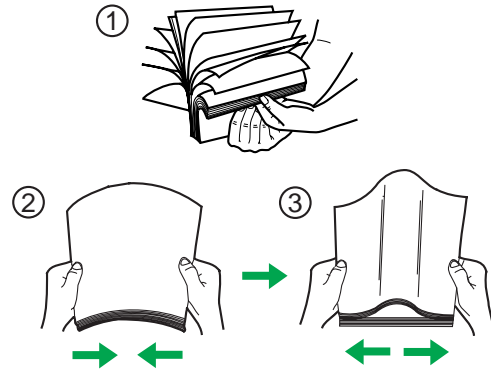
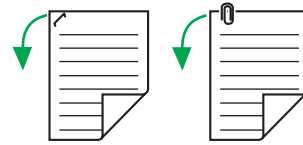
Loading Documents on the ADF

1 To prevent double feeding, separate any documents which have been stapled together or stacked, as in a file, before setting in the scanner.

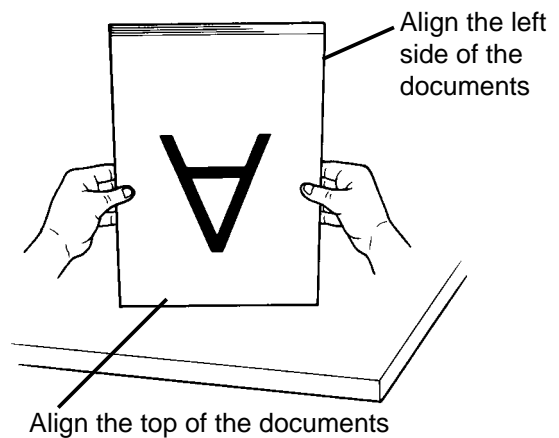
- ① Fan the stack of documents to separate all of the edges.
- ② Hold both ends of the document and bend them as shown to the right.
- ③ To separate the document apart, grasp them firmly and pull them so that the center part waves as shown to the right.

Repeat the steps above as necessary.

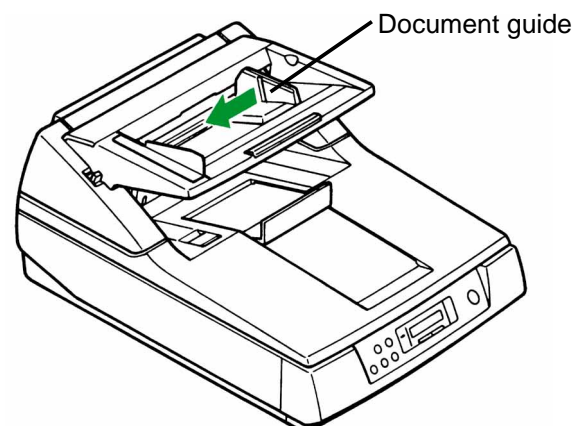
Prior to scanning, remove, all staples and paper clips from pages.



2 Carefully align the top left ends of the documents.



3 Adjust the document guide slightly larger than the actual size of the document.



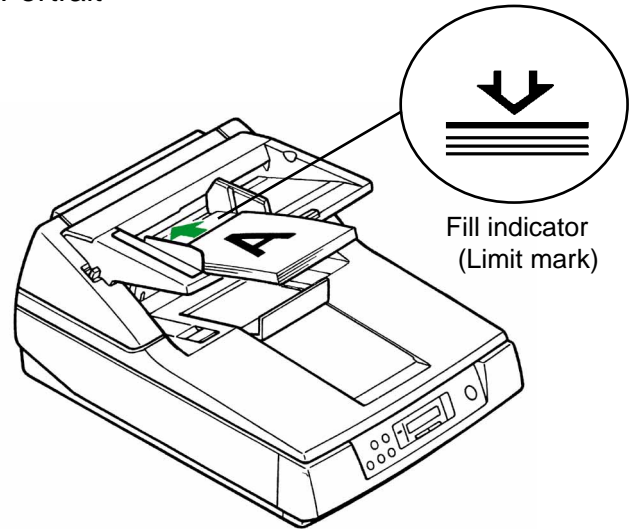
4 Place the documents on the hopper with the side to be scanned facing up. Then push them in the direction of the arrow until they stop.

- Place the documents on the hopper by matching them with the left side of the hopper as shown in the diagrams at the right.

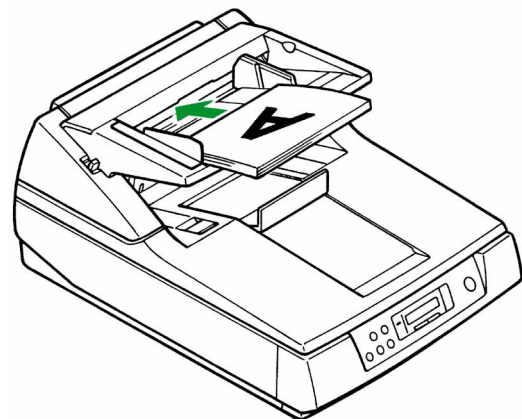
The amount of documents should not exceed the limit mark on the document guide. This may cause a paper jam or skew.

- For different sized documents, place them with the top left ends facing the left side of the hopper.

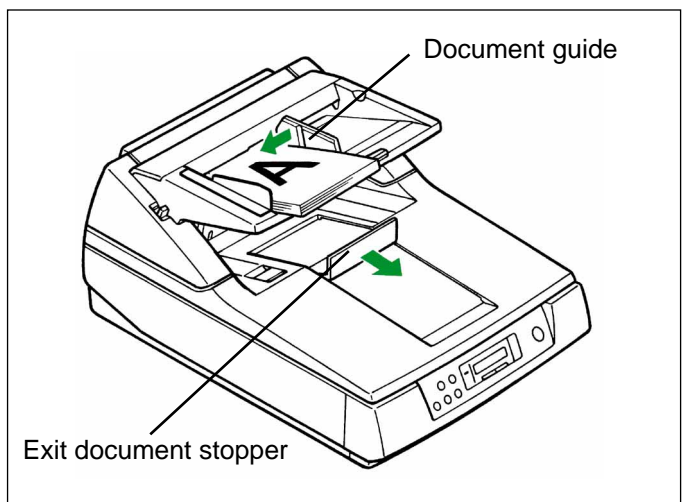
Portrait



Landscape



5 Adjust the document guide to the size of the document to be scanned. Adjust the exit document stopper to the size of the document to be output.



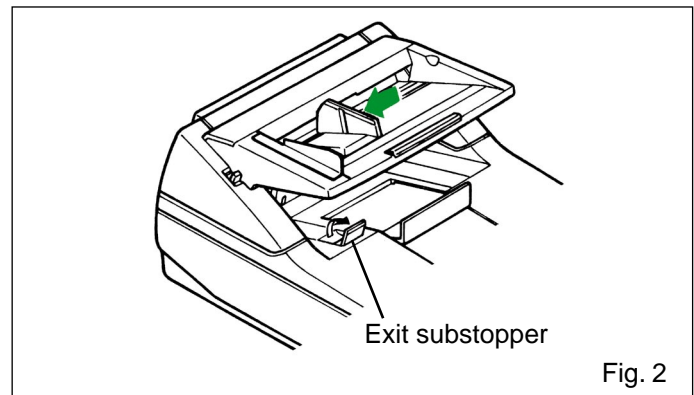
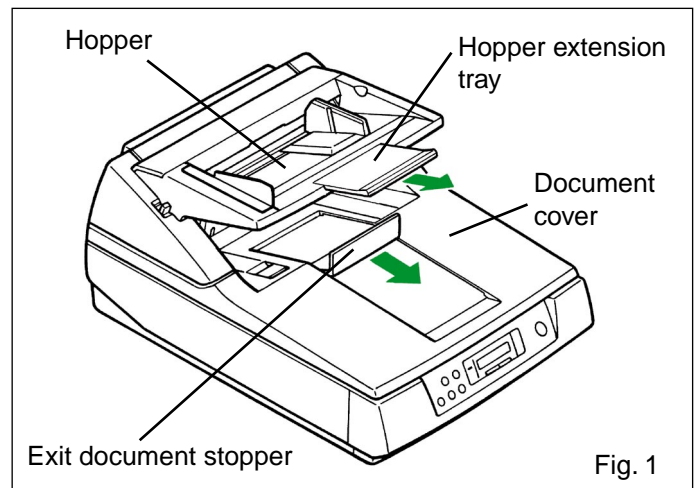
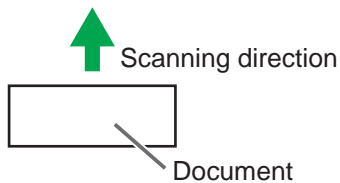
Loading Documents on the ADF

6 When using long paper, pull out the hopper extension tray from the hopper and the exit document stopper from the document cover.

Then adjust the exit document stopper above the document cover a little longer than the actual length of the document by pressing down the exit document stopper slightly. (See fig. 1.)

• When scanning narrow documents as shown below, pull up the exit substopper. (See fig. 2.)

After using the exit substopper, push down it.



Cautions:

- When scanning very fragile documents, scan with the flatbed side. (See [page 37](#).)
- For thin, thick or important paper, scan the document with the flatbed side or using single sheet (manual feed) mode (see [page 40](#)). Also, remove the document from the document cover after it is scanned by the ADF.
- The scanner will accept 50 to 127 g/m² (13 to 34 lbs.) paper for continuous scanning and 40 to 127 g/m² (10.6 to 34 lbs.) paper for single scanning.
- When scanning a thin, folded, creased or curled document by the ADF, after straightening the document, set the feed speed to "Slow".
- When scanning thick documents [64 g/m² (17 lbs.) or more], be sure to use less than 200 sheets.
- When scanning copying paper such as carbon or carbonless paper, use the flatbed.
- When setting the document, be sure that it does not exceed the fill indicator (limit mark).
- Be sure to remove the document from the document cover after it is scanned.
- When the scanner does not detect a document set in the hopper which has a black or dark area on the opposite side, add a white sheet of paper under the document.
- When scanning the different sized documents, exited document may go into the stack of documents on the exit part and may get out of order.

Types of documents to avoid for the ADF:

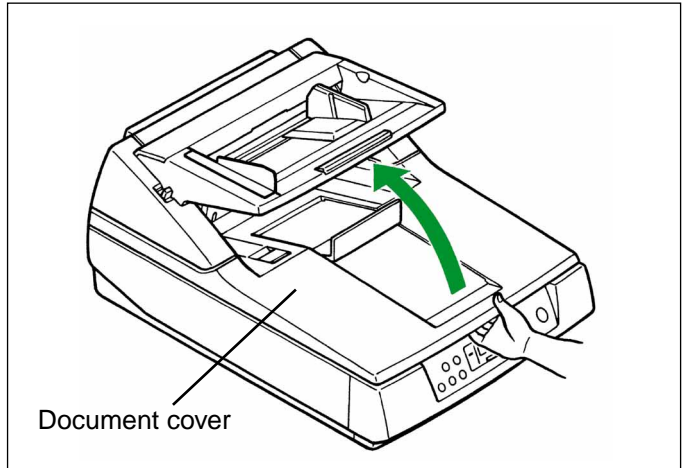
- OHP sheets, other plastic film, cloth, or metallic sheets
- Paper with irregularities such as tabs, staples, paste, etc.
- Documents with wet ink
- Thick or irregular documents such as envelopes, paste, etc.
- Copying paper such as carbon paper
- Damaged or wrinkled documents
- Irregular shaped documents
- Tracing paper

Loading Documents on the Flatbed

One sheet or an entire book document can be scanned on the document glass. Scanning documents in this way is known as "scanning with the flatbed".

■ When scanning with the flatbed one time

1 Open the document cover.



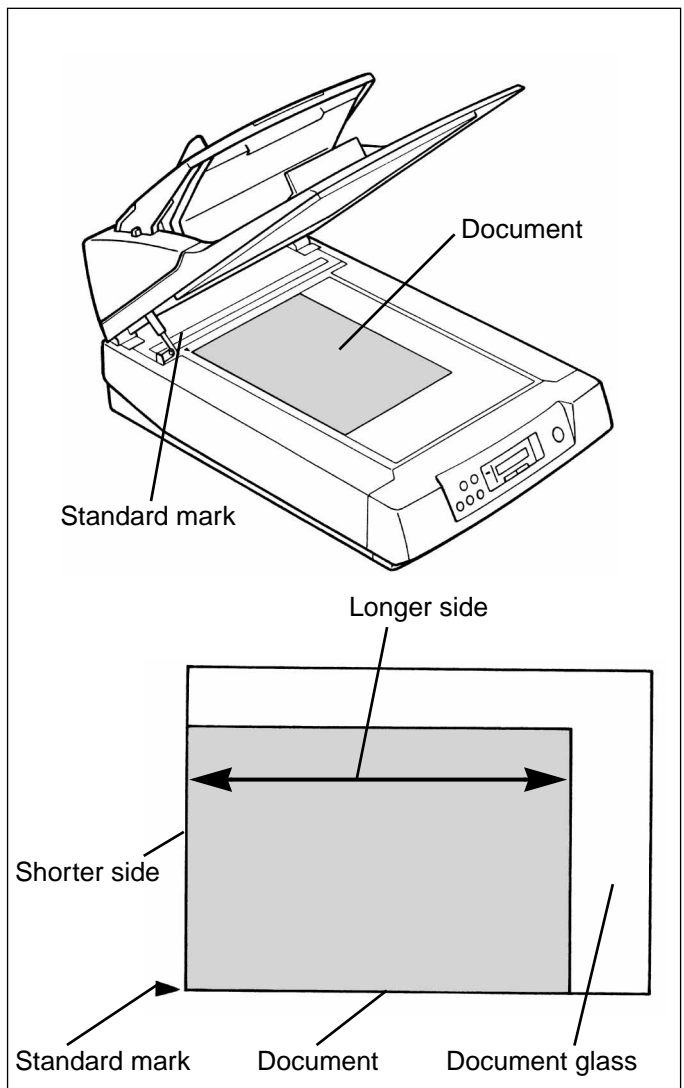
2 Place the scanning side of the document face down on top of the document glass.

- If the document is bent or folded, straighten it.

3 Match the shorter side of the document with the left edge of the document glass.

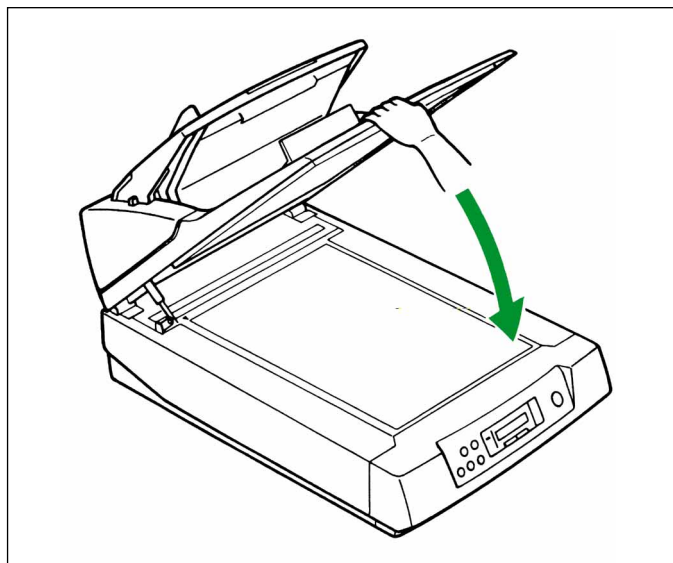
4 Match the longer side of the document with the standard mark.

- If the document is slanted, it will not be scanned properly.



Loading Documents on the Flatbed

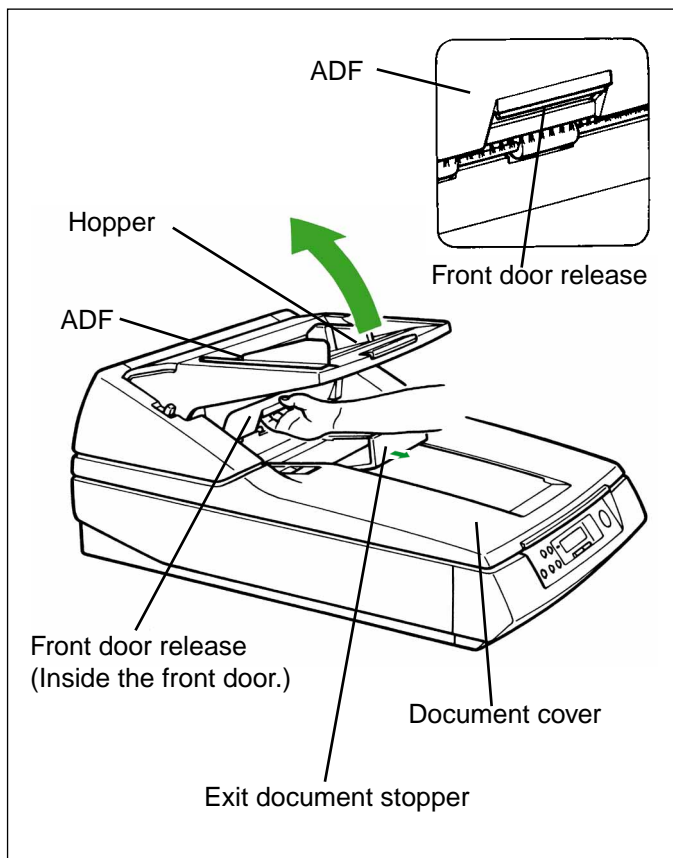
- 5** Close the document cover gently.
- If the document cover is slammed, the document will move and may not be scanned properly.
 - Do not open or press down on the document cover during scanning.
 - Do not look directly at the light. (You may damage your eyes.)
 - Be sure to close the document cover before use.
 - After scanning, open the document cover and remove the document.



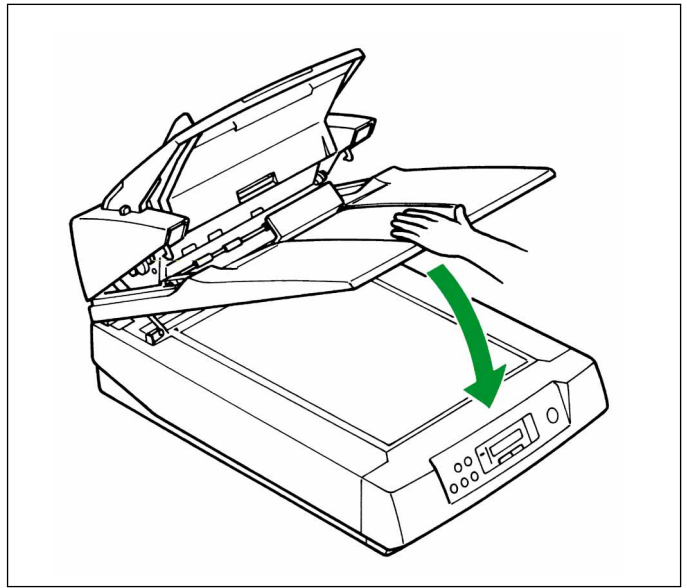
■ When scanning with the flatbed repeatedly

The ADF is heavy so when scanning with the flatbed repeatedly, separate the ADF and document cover.

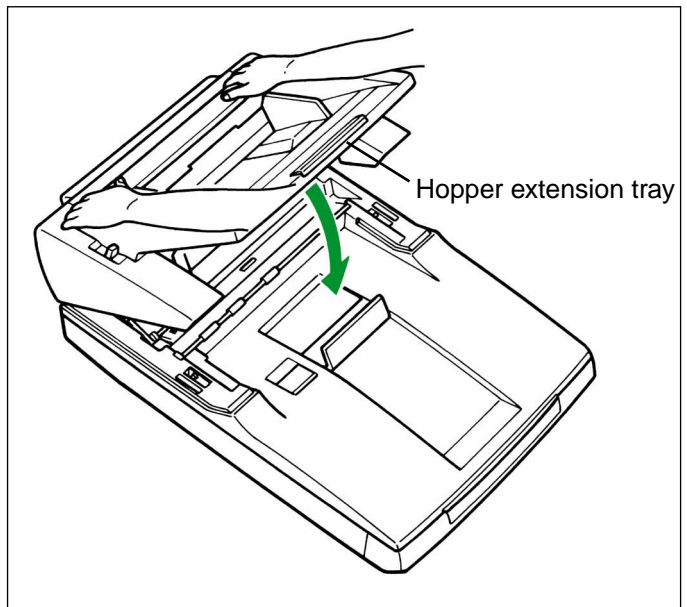
- 1** Pull the exit document stopper towards you, pull the front door release under the hopper, separate the ADF and document cover, and lift up the ADF to open.
- 2** Perform operation steps 1 through 5 for scanning with the flatbed one time. (See pages 37 and 38.)



- 3** After scanning, close the document cover gently.



- 4** Close the ADF gently.
- Push down on both sides of the ADF gently until it clicks into place.
 - Do not close the ADF holding the hopper extension tray.



■ Scanning thick documents

When scanning thick documents such as a book, please note the following items:

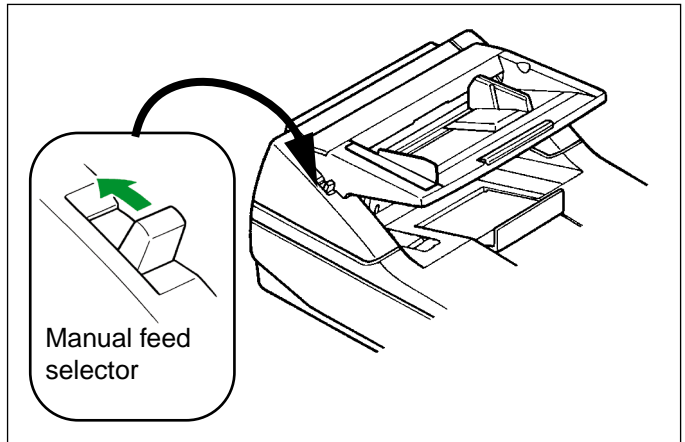
- The operation methods when scanning thick document, such as a book, with the flatbed one time and repeatedly are the same.
- Do not close the document cover forcibly. You may scan with the document cover open. In this case, do not look directly at the light.
- Please note that areas of the document which are not touching the document glass will not be scanned properly.
- If the document moves during scanning, please note that it will not be scanned properly.

Feeding a Document Manually

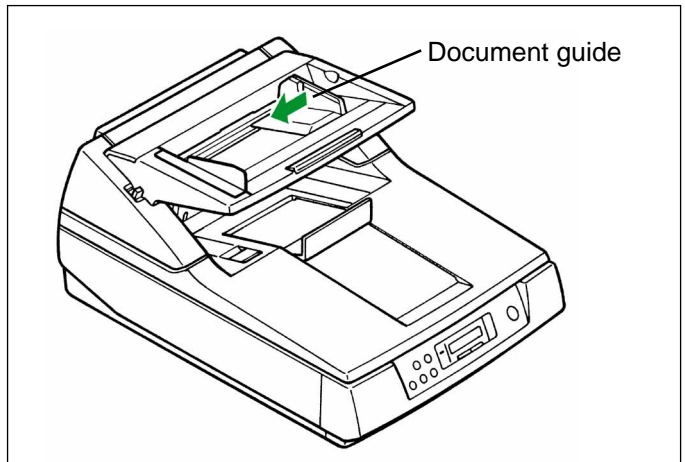
When scanning a document with multiple pages with the ADF, set the manual feed selector to "MANUAL" and the pages can be scanned one page at a time.

1 Set the manual feed selector to "MANUAL".

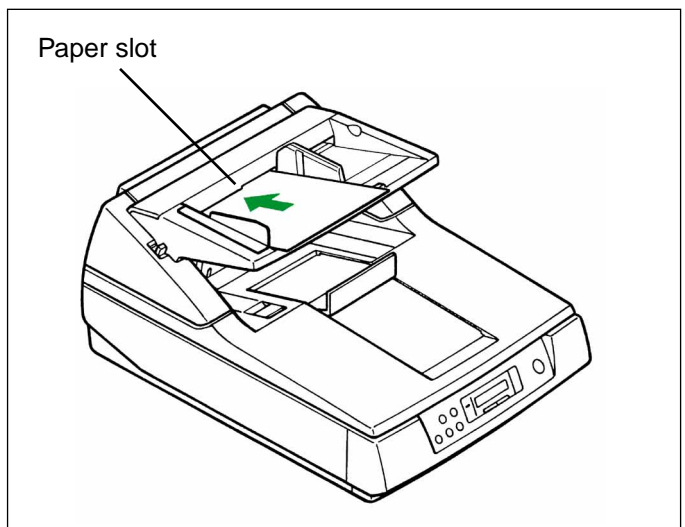
- The hopper will then be raised to the proper level for manual feeding.



2 Match the document guide with the size of the document.



3 Insert the document into the paper slot one page at a time.



Cautions :

- Please remove any staples from the document before scanning.
- Glued or curled documents may cause a paper jam or damage the unit, so please scan using the flatbed.

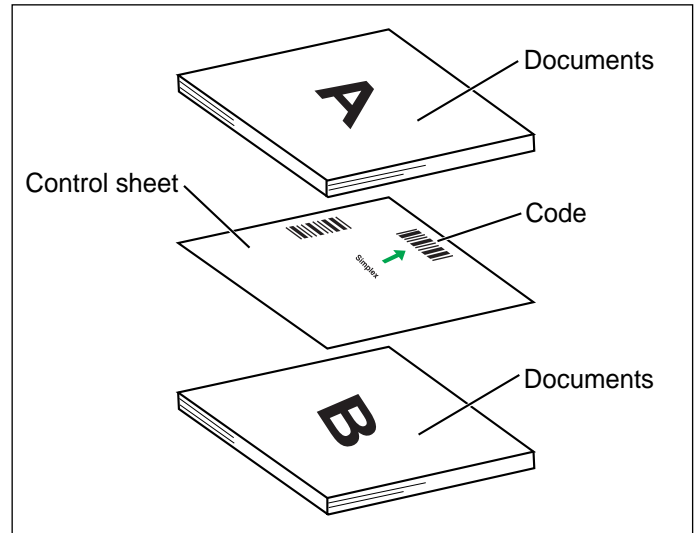
■ How to use the control sheet

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

- Multiple control sheets can be used.
- When using a control sheet, the application software required depends on the control sheet.
- Print out control sheets from the provided CD-ROM.

Caution

- Use the same size control sheet as the scanning document.
- When printing the control sheet, if the pattern falls in the area from the top side of the document to 25 mm, adjust the printer.
Also, copy the control sheet so that the pattern lies in the center of the copy.
- Be careful not to get the control sheet dirty.
Do not fold or crease the control sheet.
Scanning will not be performed properly.



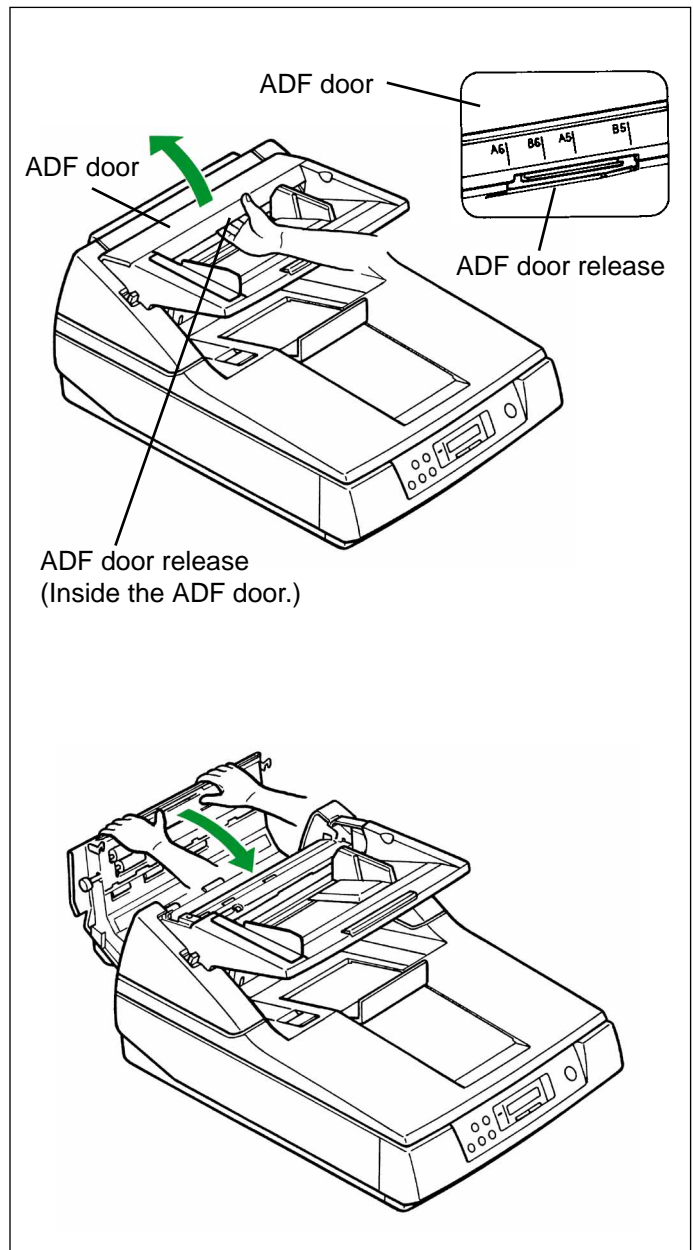
Clearing Paper Jams

Torn documents, thin documents or documents that are creased on the top edge may cause paper jams. 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 feed part

Using your hand, hold down the ADF door release towards you. Open the ADF door and pull the jammed document towards the feed part, and then close the ADF door.

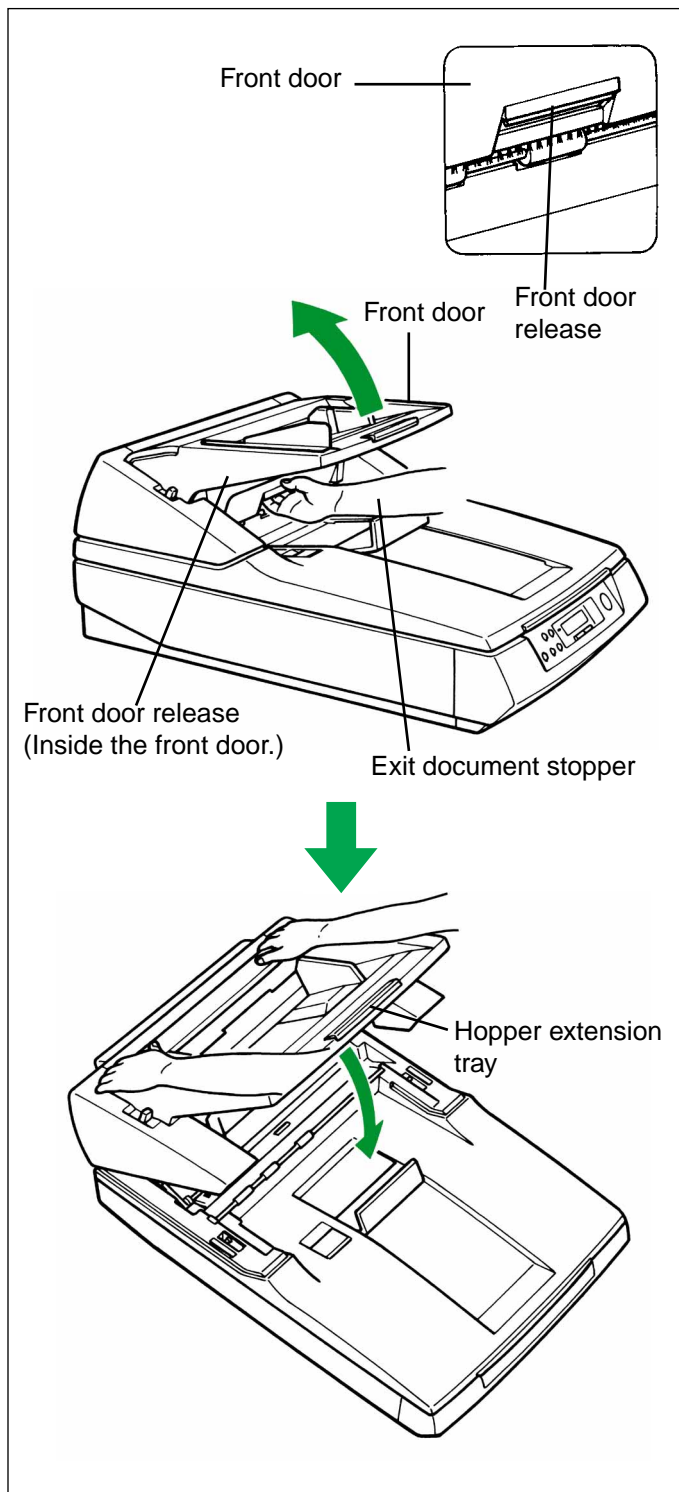
- Push both sides of the ADF door down gently until it clicks into place.
- Since the roller are located on the left side of the ADF door, there is more weight on the left side. Therefore, it is important to note that the door needs to have tension evenly divided to close it properly.



■ Removing paper jams from the exit path

If a jammed document appears at the exit part, pull the exit document stopper towards you, open the front door and pull the document forward, then close the front door.

- Push both sides of the front door down gently until it clicks into place.
- Do not close the front door holding the hopper extension tray.

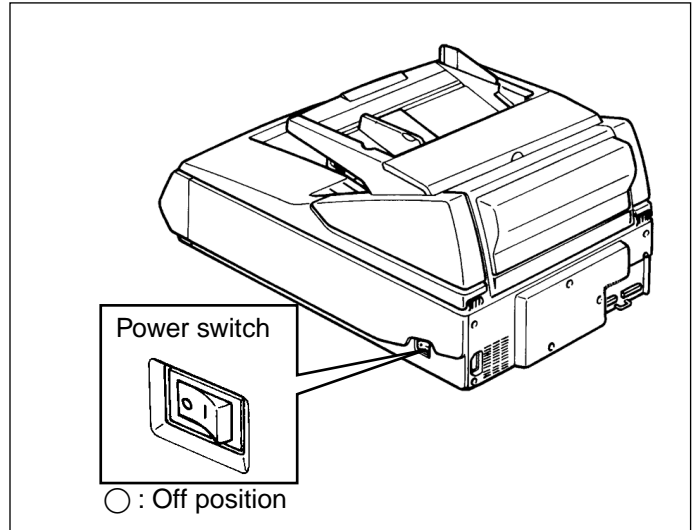


Cleaning the Unit

■ Outside of the scanner

Clean the unit at least once a month.

- 1** Turn the power off.
- 2** Clean the cover with a soft cloth.
 - The ADF insertion and exit slots get dirty easily, therefore, proper cleaning is required.
- 3** Remove dirt and dust from the fan exhaust vent with a brush.



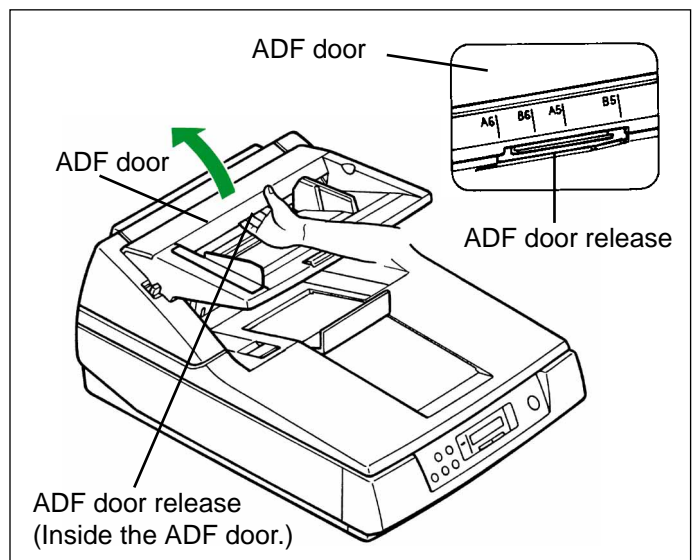
■ Inside the scanner

Clean the unit described below at least once a week or when 50,000 sheets have been scanned, whichever comes first.

- Clean the rollers, all document sensors, double feed detection sensors and paper detection sensor if paper jamming or double feeding occurs frequently.
- Clean the scanning section glass, CIS glass, sensor plate and sensor roller when black or white lines appear on the scanned images. NOTE : There is no CIS glass and no sensor roller for the KV-S6050W / KV-S6050WU.
- If the documents that will be scanned are dirty, then the scanner parts may become dirty as well. To maintain proper scanning, clean the scanner parts frequently.
- When scanning with the flatbed and black dots or white patches occur, open the document cover, and clean the document glass and cover sheet (black sheet) using the accessory roller cleaning paper.

■ Cleaning the rollers

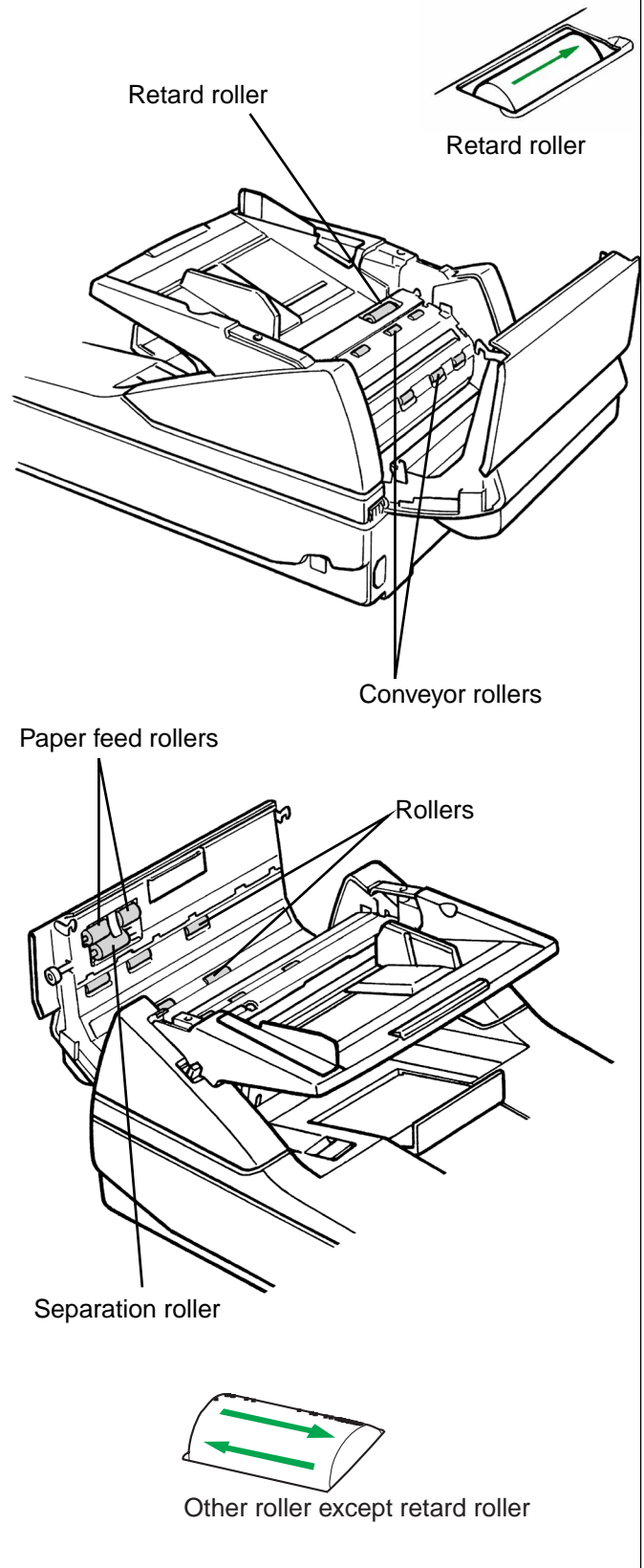
- 1** Turn the power off.
- 2** Using your hand, pull the ADF door release towards you, then open the ADF door completely.



3 Use the accessory roller cleaning paper (KV-SS03) to remove the dirt from the surfaces of all rollers.

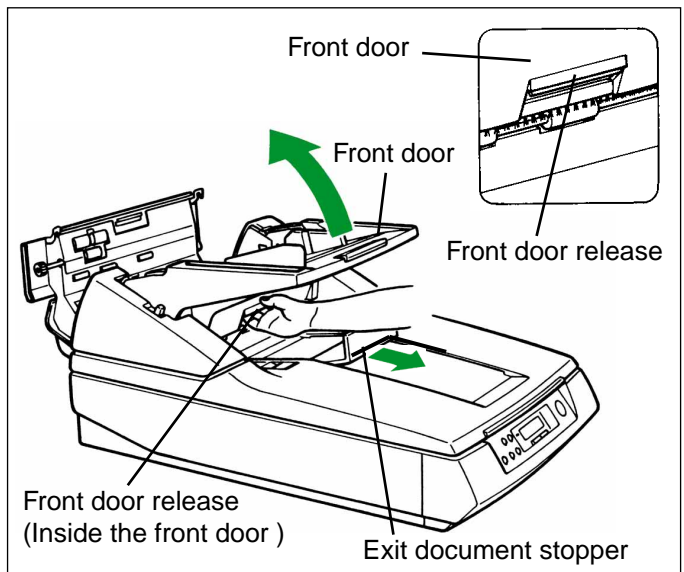
- When wiping off the dirt, hold the rollers to prevent them from rotating. Wipe the rollers completely from one end to the other. Be sure to wipe in the directions of the arrows shown on the diagram to the right.
- Clean the retard roller only in the directions of the arrow shown on the diagram to the right. If cleaned in the wrong direction, the roller may slip out of the proper position.

- The rollers to be cleaned are shaded.
- Wipe in the direction of the arrows.



Cleaning the Unit

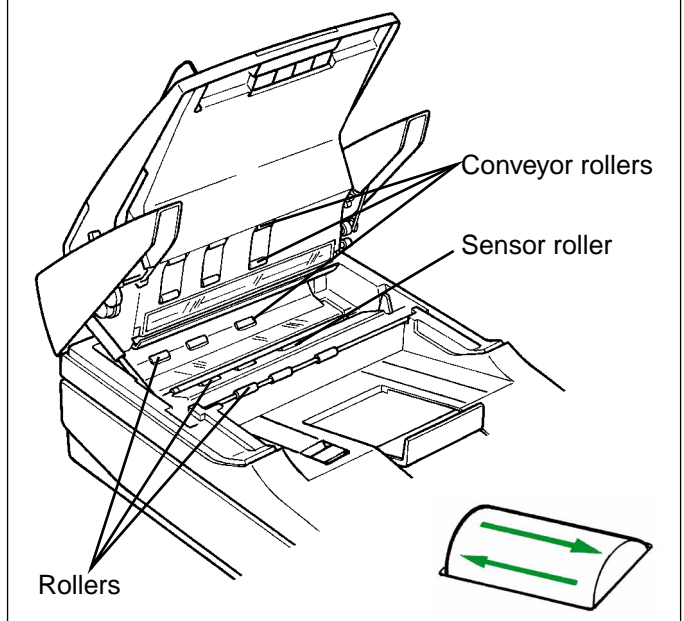
- 4** Pull the exit document stopper towards you and use your hand to pull the front door release towards you. Then open the front door completely.



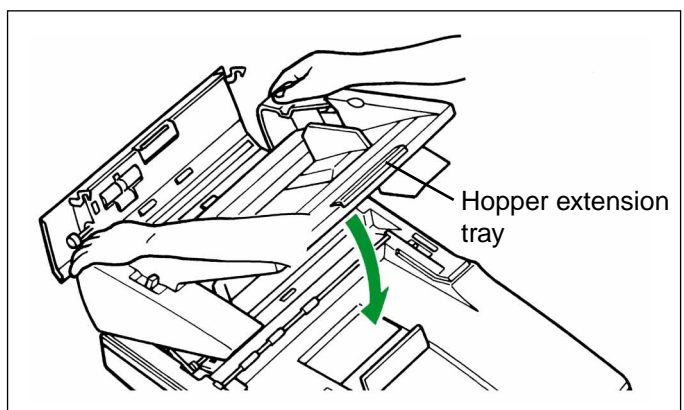
- 5** Use the accessory roller cleaning paper (KV-SS03) to remove the dirt from the surfaces of all rollers.

- When wiping off the dirt, hold the rollers to prevent them from rotating. Wipe the rollers completely from one end to the other. Be sure to wipe in the directions of the arrows shown on the diagram to the right.

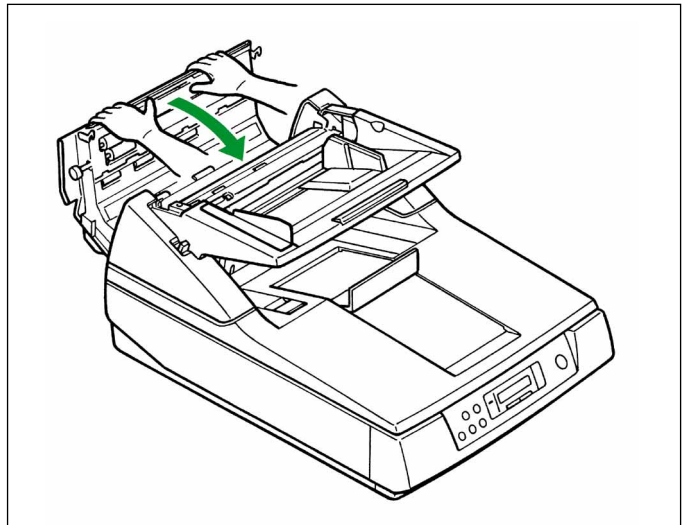
- The rollers to be cleaned are shaded.
- Wipe in the direction of the arrows.



- 6** Close the front door.
- Push both sides of the front door down gently until it clicks into place.
 - Do not close the front door holding the hopper extension tray.

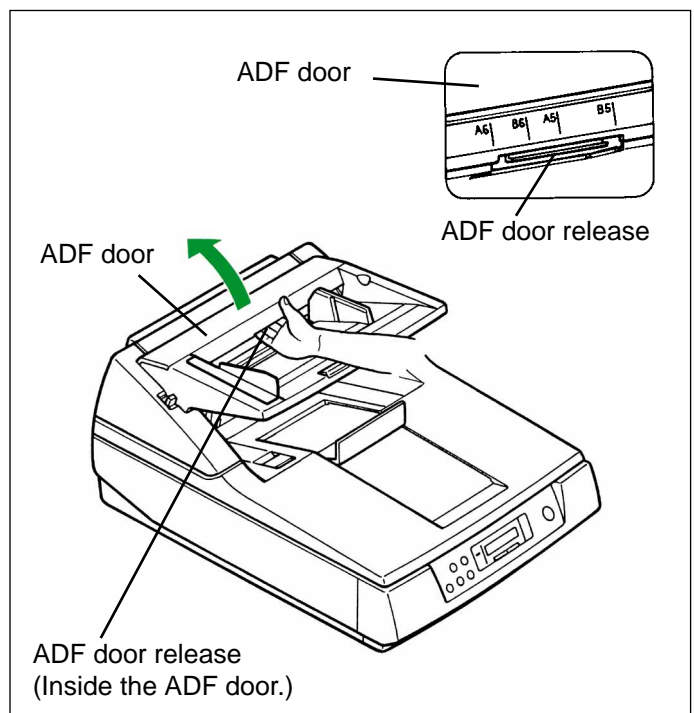


- 7** Close the ADF door.
- Push both sides of the ADF door down gently until it clicks into place.
 - Since the roller are located on the left side of the ADF door, there is more weight on the left side. Therefore, it is important to note that the door needs to have tension evenly divided to close it properly.



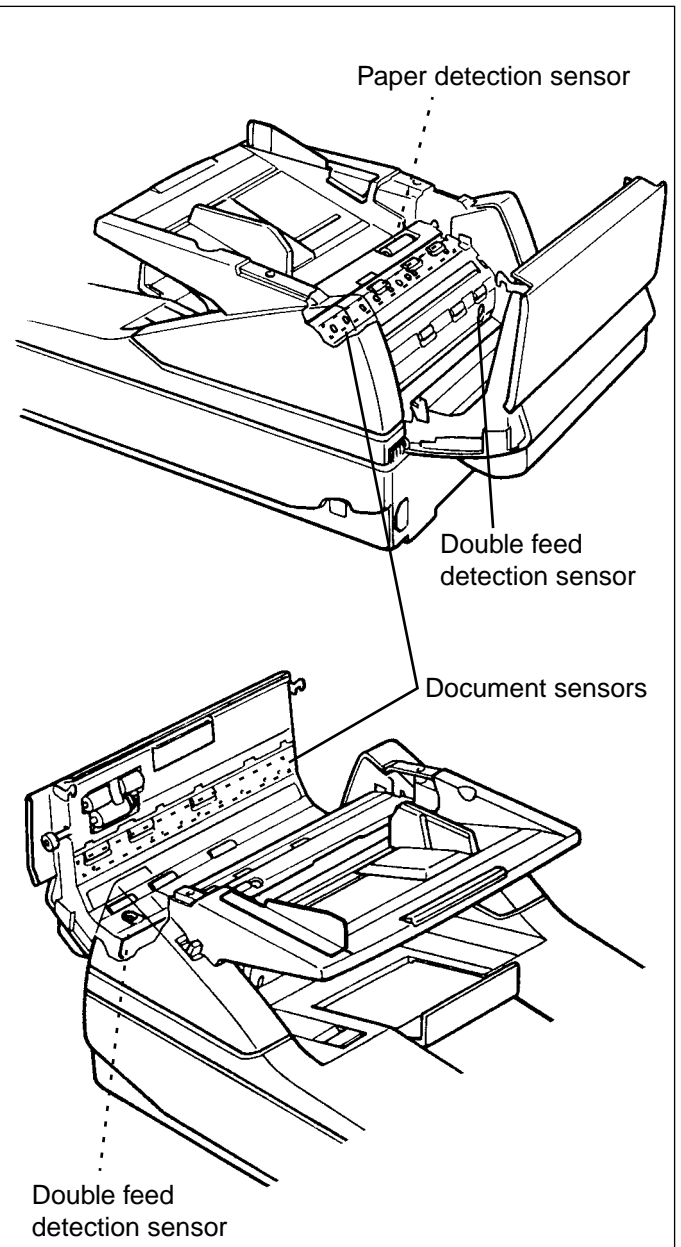
■ Cleaning the scanning section glass, CIS glass, sensor plate, sensor roller, document sensors, double feed detection sensors and paper detection sensor

- 1** Turn the power off.
- 2** Using your hand, pull the ADF door release towards you, then open the ADF door completely.



Cleaning the Unit

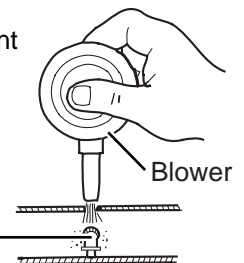
- 3 Remove the dirt on the document sensors, double feed detection sensors and paper detection sensor using the included blower.



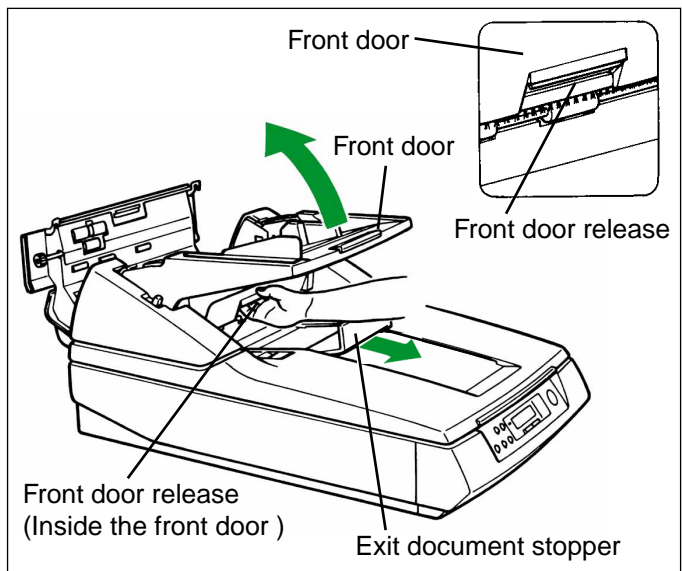
● How to clean the document sensor, double feed detection sensor or paper detection sensor

Remove the brush and blow off the dirt through the document sensor hole, double feed detection sensor hole or paper detection sensor hole.

Document sensor, double feed detection sensor or paper detection sensor

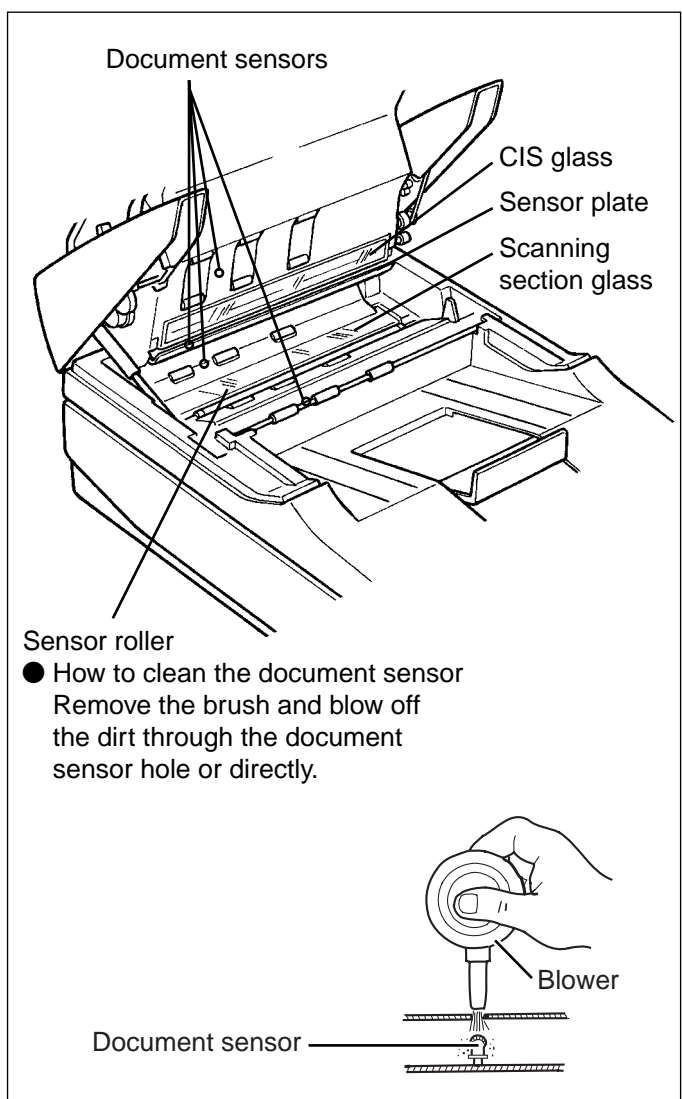


- 4** Pull the exit document stopper towards you, using your hand, pull the front door release towards you, then open the front door completely.



- 5** Clean the scanning section glass, CIS glass, sensor plate and sensor roller using the accessory roller cleaning paper (KV-SS03). Also, remove the dirt on the document sensors using the included blower.

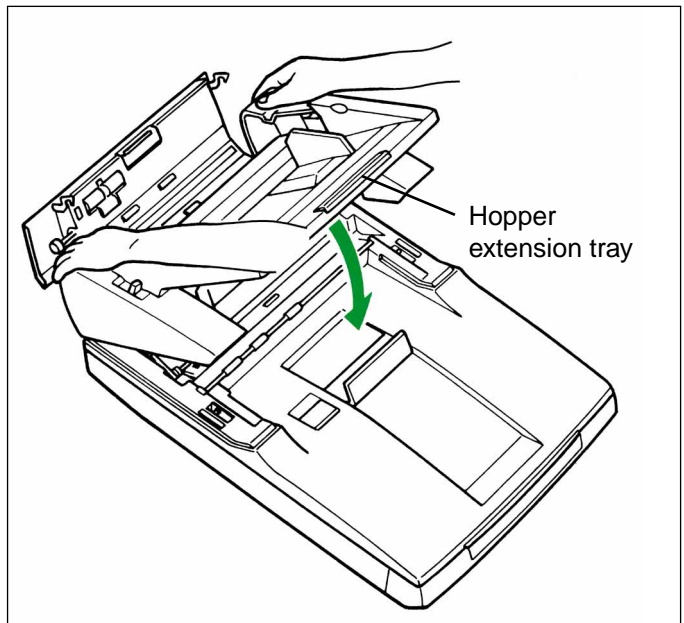
- If the sensor roller is removed while cleaning, re-attach it after cleaning. (Refer to [page 50](#) for re-attachmant.)
- There is no CIS glass and no sensor roller for the KV-S6050W/KV-S6050WU.



Cleaning the Unit

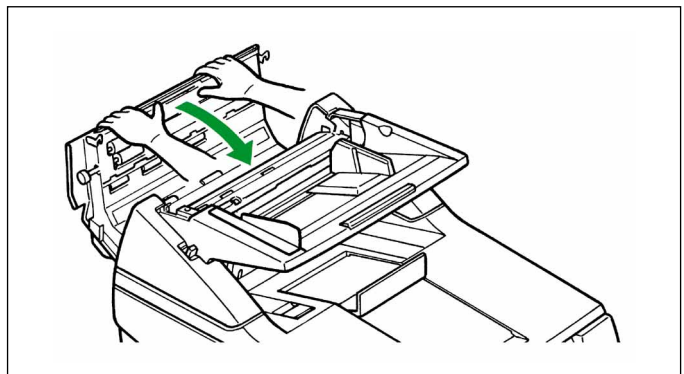
6 Close the front door.

- Push both sides of the front door down gently until it clicks into place.
- Do not close the front door holding the hopper extension tray.



7 Close the ADF door.

- Push both sides of the ADF door down gently until it clicks into place.
- Since the roller are located on the left side of the ADF door, there is more weight on the left side. Therefore, it is important to note that the door needs to have tension evenly divided to close it properly.
- After cleaning, clear the "Clean Roller Warning" display. (See [page 31](#).)



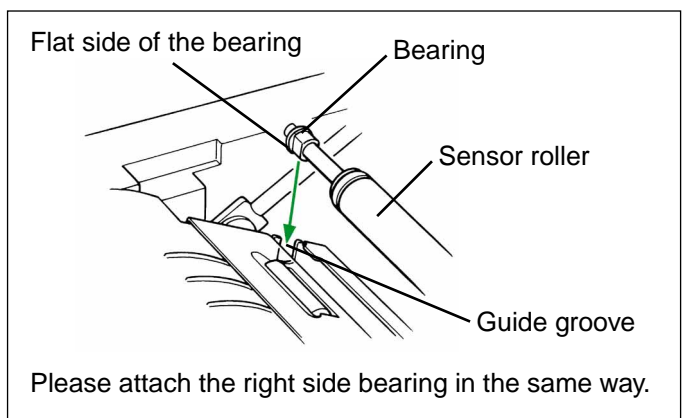
● Re-attachment of the sensor roller

When the sensor roller is removed while cleaning the inside of the scanner, re-attach it as shown below.

Lower sensor roller:

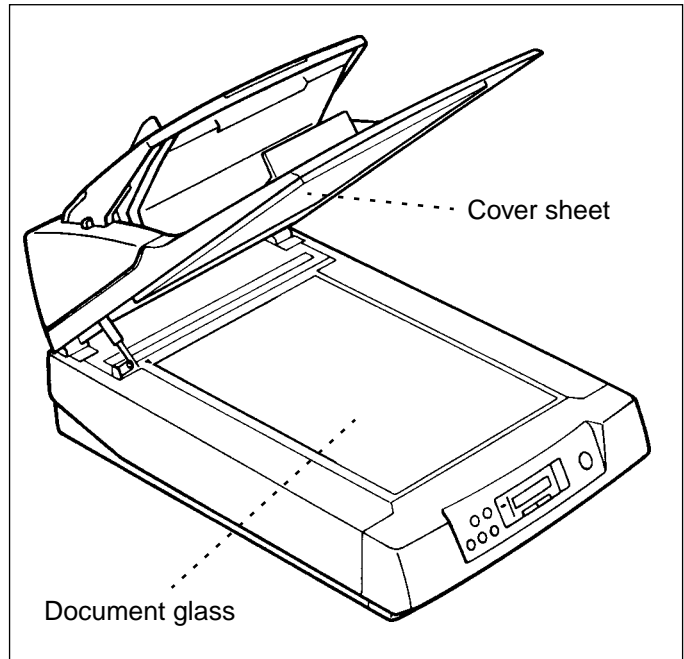
Attach the roller by placing the no-gear side to the left side of the scanner and inserting both side's bearings into the guide grooves.

- Match the flat side of the bearing with the flat side of the guide groove.
- After attaching, press down on top of the sensor roller with your finger to confirm if it moves or not.



■ Document glass and cover sheet

- 1** Open the document cover.
(See step 1 on [page 37.](#))
- 2** Clean the document glass and cover sheet (black sheet) using the accessory roller cleaning paper (KV-SS03).

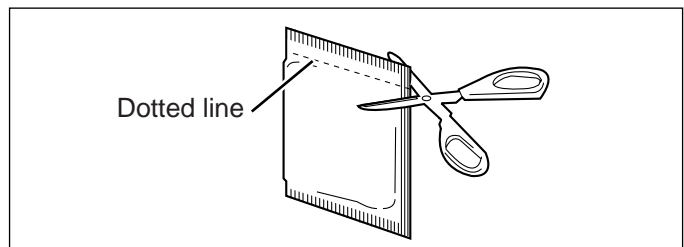


- 3** Close the document cover gently.
(See step 5 on [page 38.](#))

■ Roller cleaning paper

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

- **If the roller cleaning paper bag is left open for a long period of time before using it, the alcohol will evaporate. Please use the roller cleaning paper immediately after opening the bag.**



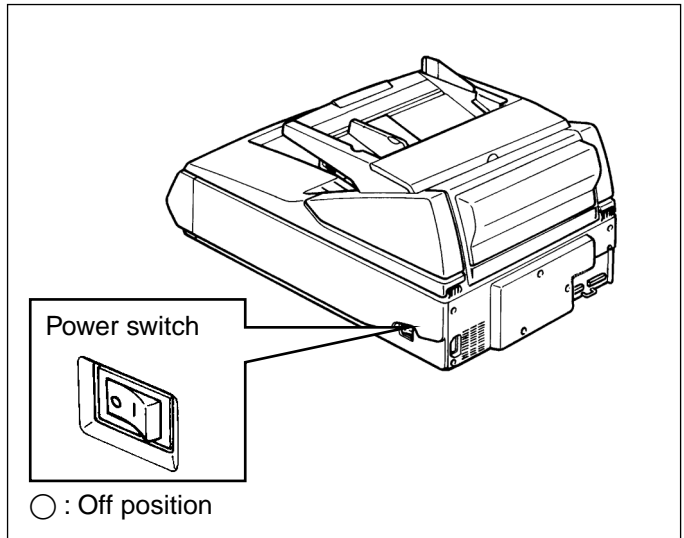
- ※ The roller cleaning paper (Model No. KV-SS03) is available from the dealer where you purchased your scanner.
For supplies and accessories: Call 1-800-346-4768 (U. S. A. only) or your dealer.

Replacing Consumable Roller Modules

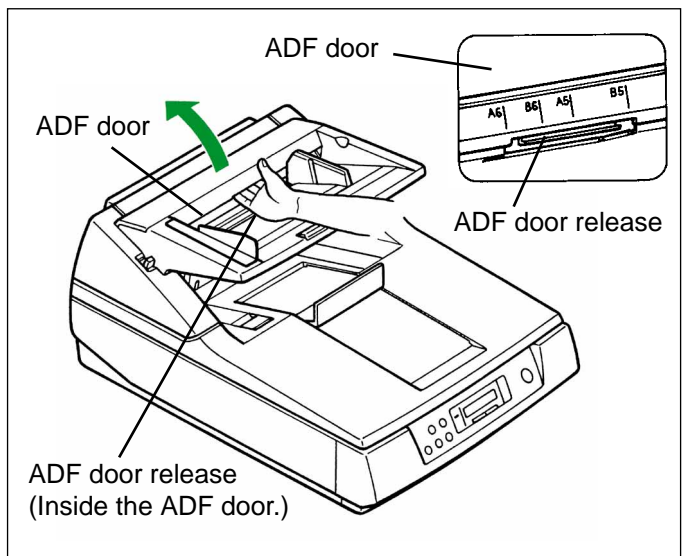
If "Warning Replace Roller" message is displayed on the LCD, replace the paper feed roller module, separation roller module and retard roller module at the same time.

1 Confirm that the manual feed selector is set to "AUTO", turn the power off and unplug the power cord.

- If the power is turned off with the manual feed selector set to "MANUAL", the retard roller module cannot be removed.

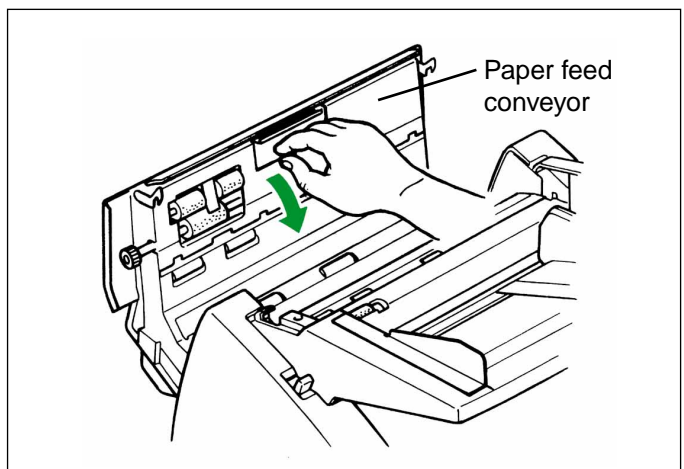


2 Using your hand, pull the ADF door release towards you, then open the ADF door completely.



3 Using your fingers, hold the paper feed conveyor and pull it towards you to open it.

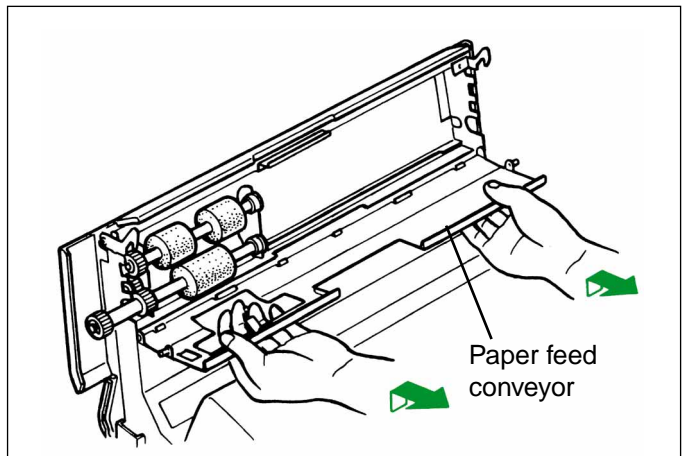
- When the paper feed conveyor is pulled towards you, the click-stop mechanism will be released.



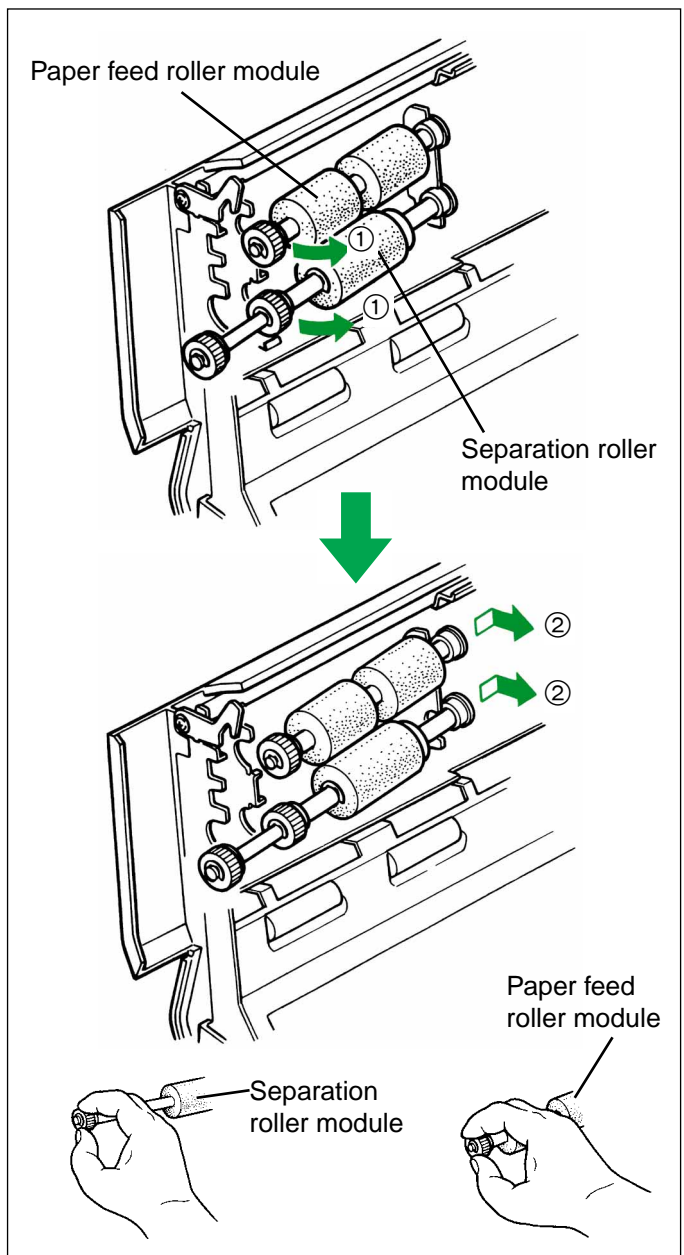
Replacing Consumable Roller Modules

4 Remove the paper feed conveyor by first lifting it slightly and then pulling it toward you.

- Do not apply any force or weight to the paper feed conveyor since doing so may bend it out of shape.



5 Hold the paper feed roller module gear and pull the gear side in the direction of arrow ①. Now slide the gear side in the direction of arrow ②. Next, hold the separation roller module gear and pull the gear side in the direction of arrow ①, and then slide it in the direction of arrow ② to remove it.



Replacing Consumable Roller Modules

6 Open the optional “Roller Exchange Kit (KV-SS044)”, and take out the paper feed roller module and separation roller module.

For supplies and accessories:
Call 1-800-346-4768 (U.S.A. only) or your dealer.

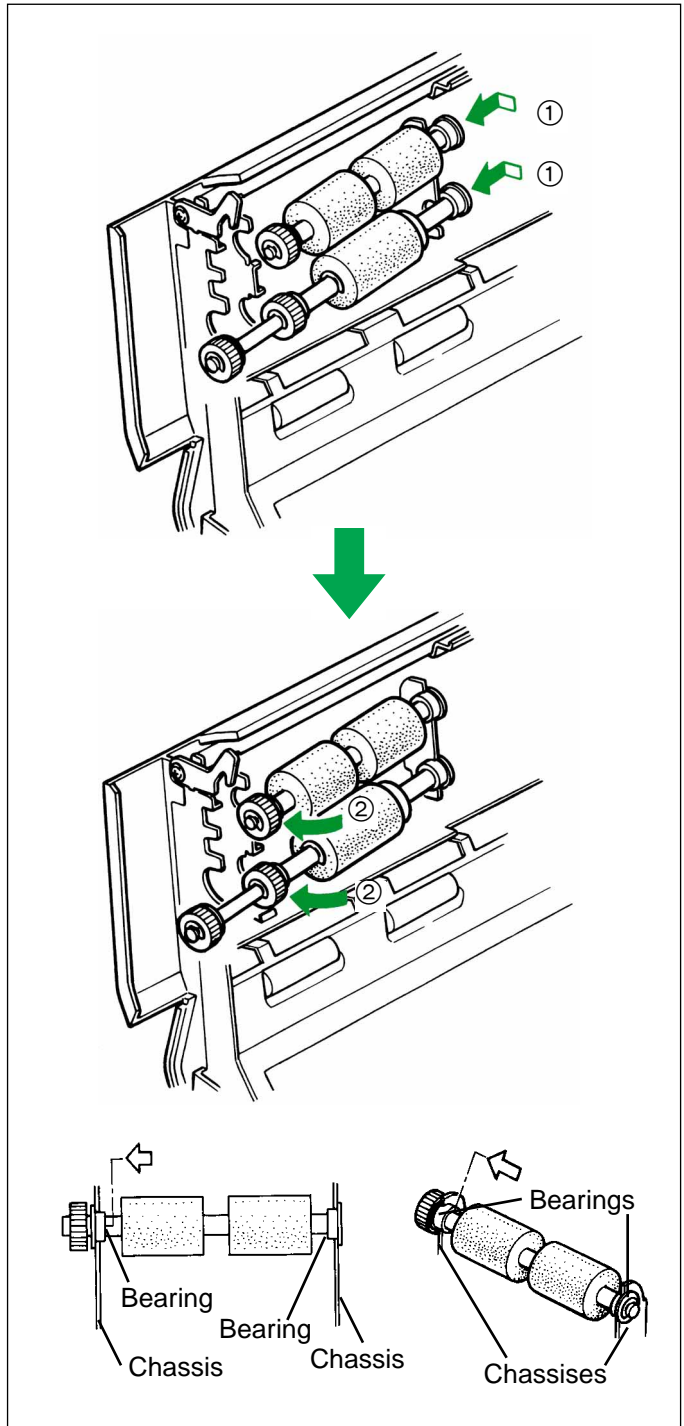
7 Install the new paper feed roller module and separation roller module with the gears on the left side and the post-gear side bearing slide into the right side guide grooves of the chassis in the scanner. (①)

Then push up the gear side bearings and install into the left side guide grooves of the chassis in the scanner. When installing the second one, it clicks into place. (②)

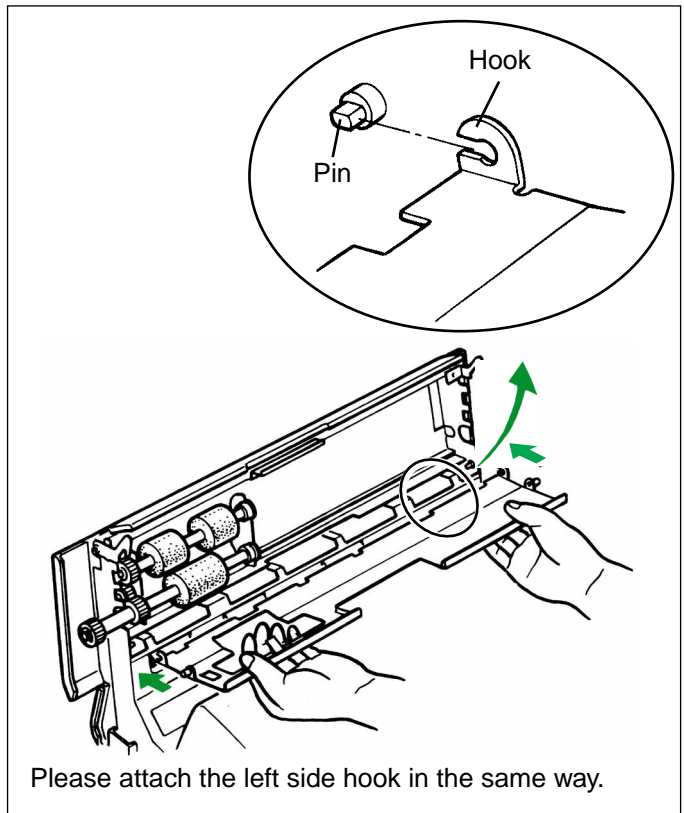
- Match the paper feed roller module and separation roller module with the bearings and guide grooves, and then attach them.

When attaching the paper feed roller module and separation roller module, push each bearing in the direction of the arrow ← and attach.

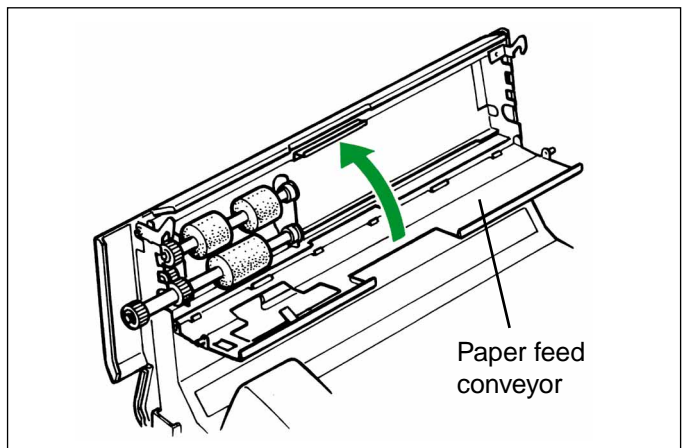
- When attaching the paper feed roller module and separation roller module to the chassis, do not damage the rollers.



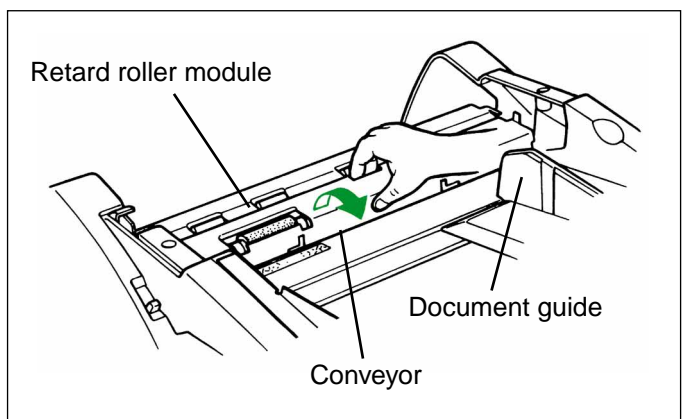
- 8** Tilt the paper feed conveyor at a slight angle pointing downward and attach it as shown in the diagram to the right.



- 9** Close the paper feed conveyor.
- Push up the paper feed conveyor until it clicks into place.
 - You are now finished attaching the paper feed roller module and separation roller module.
- To continue, replace the retard roller module according to the following procedure. (The retard roller module is located in the conveyor.)

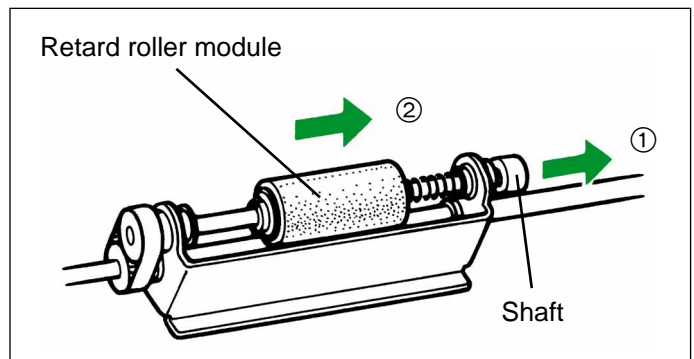


- 10** Using your fingers, hold the conveyor and pull it towards you to open it.
- When the conveyor is pulled towards you, the click-stop mechanism will be released.



Replacing Consumable Roller Modules

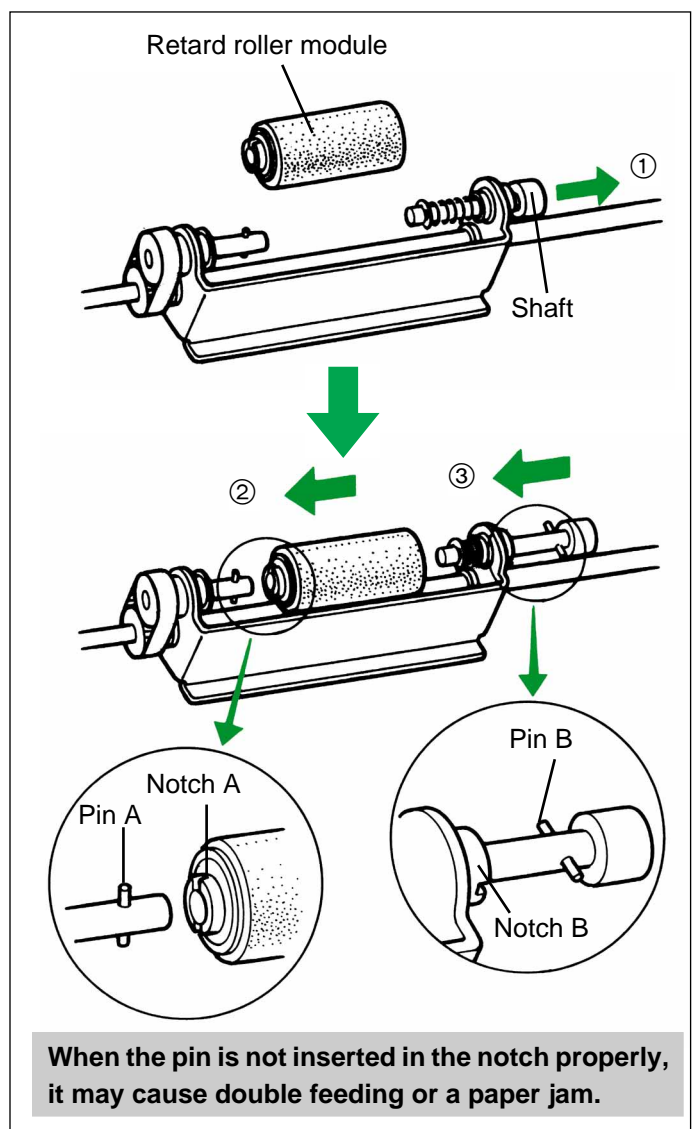
- 11** Pull the right side of the shaft in the direction of arrow (①), and hold it there.
Pull the retard roller module in the direction of arrow (②), and then remove it.



- 12** Take out the retard roller module in the optional “Roller Exchange Kit (KV-SS044)”.
For supplies and accessories:
Call 1-800-346-4768 (U.S.A. only) or your dealer.

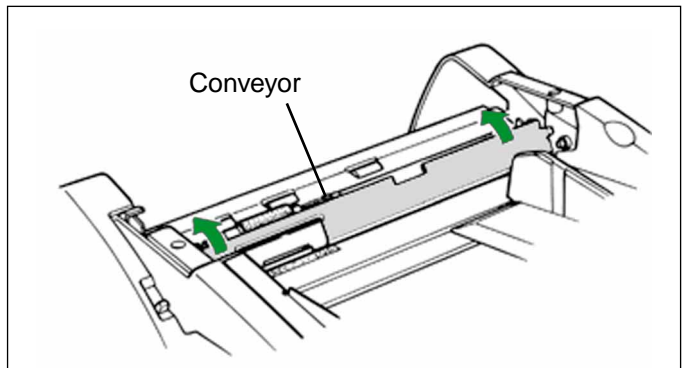
- 13** Pull the right side of the shaft in the direction of arrow (①) and hold it there.
Attach the new retard roller module as shown in the direction of arrow (②).
Return the right side of the shaft as shown in the direction of arrow (③).

- Confirm if pin A and pin B are inserted in their notches correctly.
- Attach the retard roller module so that the notch A is on the left side.



14 Close the conveyor by pushing it into the unit.

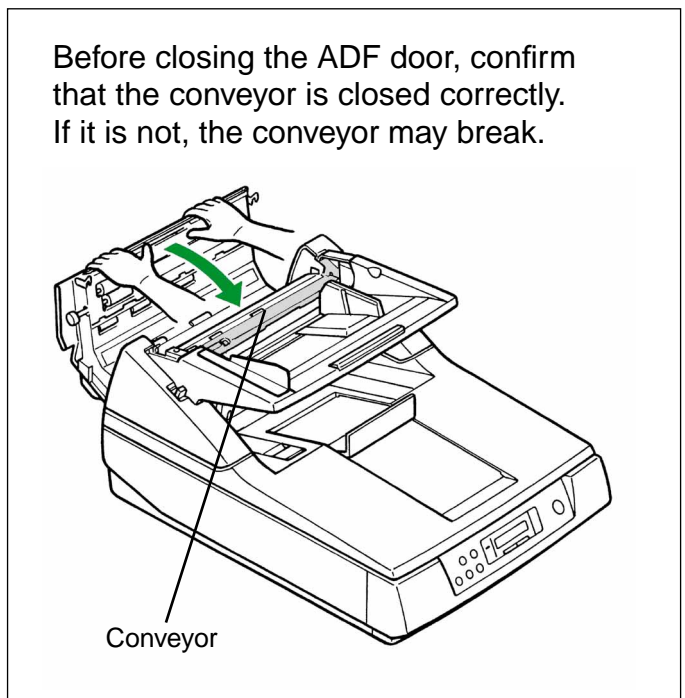
- When the conveyor is closed, the click-stop mechanism will operate.
- If the conveyor is not closed correctly and the operation in step 15 is done, the conveyor may break.



15 Close the ADF door.

- Push both sides of the ADF door down gently until it clicks into place.
- Since the roller are located on the left side of the ADF door, there is more weight on the left side. Therefore, it is important to note that the door needs to have tension evenly divided to close it properly.
- After replacing roller modules, clear the "Replace Roll. Warning" display. (Refer to [page 31](#).)

Before closing the ADF door, confirm that the conveyor is closed correctly. If it is not, the conveyor may break.



Repacking Instructions

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

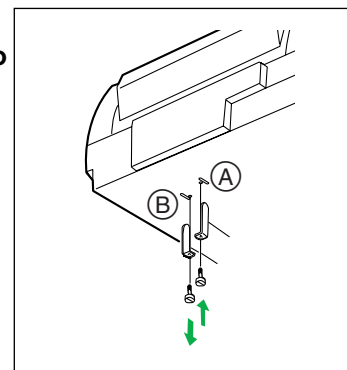
Please Note :

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

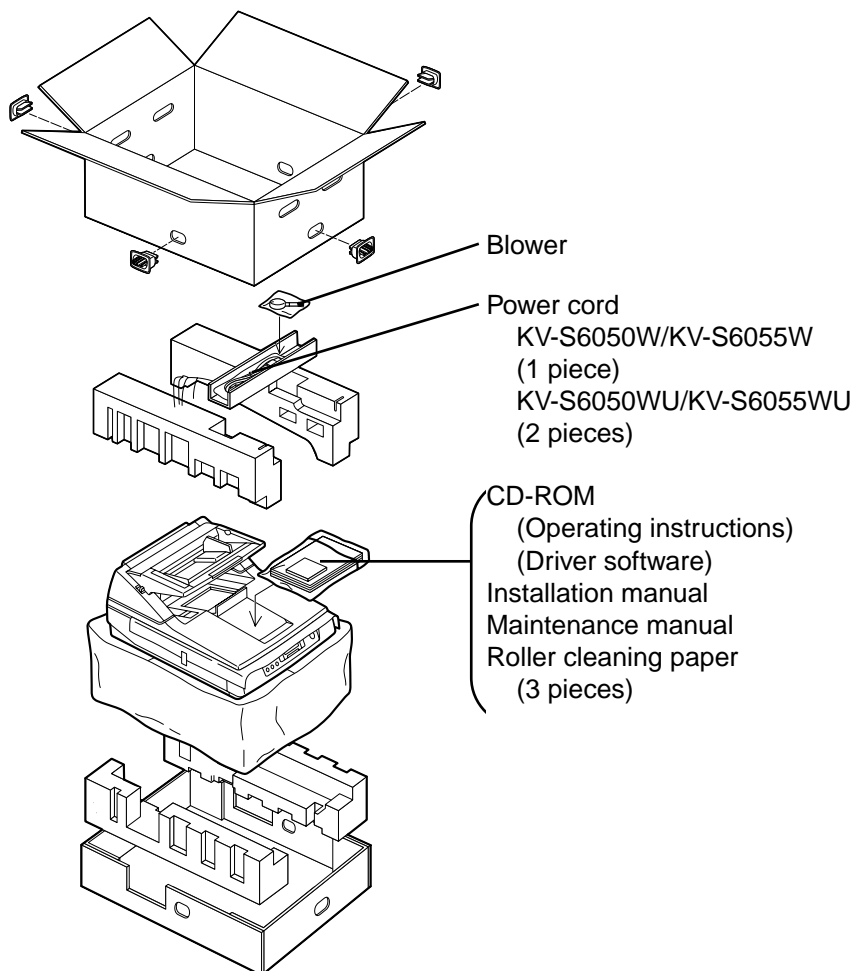
Materials Required :

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

- 1** Disconnect your scanner from the electrical outlet and the interface cable.
- 2** Fix the optical unit of the flatbed and attach the protective sheets with tapes.
 - Please refer to the installation manual enclosed with the unit.
 - Turn the power on and complete initializing (return the optical unit to the original position), then attach the metal clamp at position (A).



- 3** Pack the scanner.



Specifications

Item		Model No.	KV-S6050W	KV-S6055W	
Scanner	Scanning face		Simplex scanning	Duplex scanning	
	Scanning method		CCD image sensor	ADF front side/Flatbed : CCD image sensor ADF back side : CIS (Contact Type Image Sensor)	
	Readout speed	Flatbed	1.5 sec (1 paper, letter size, 200 dpi)		
		ADF	Simplex scanning : Approx. 56 sheets/min. (Letter, fed lengthwise, 200 dpi) Approx. 53 sheets/min. (A4, fed lengthwise, 200 dpi) Duplex scanning (KV-S6055W only) : Approx. 46 sheets/min. (Letter, fed lengthwise, 200 dpi) Approx. 45 sheets/min. (A4, fed lengthwise, 200 dpi)		
	Resolution	Flatbed/ADF	Main scanning direction : 100 ~ 600dpi (1 dpi step) Sub-scanning direction : 100 ~ 600dpi (1 dpi step) The optical resolution is 400 dpi.		
	Tonal gradation		Binary mode, Grayscale mode (4/8 bit), 64-step gradation (dither) mode, 64-step gradation (error diffusion) mode		
	Image control		Image emphasis, Dynamic threshold (DIMM required), Automatic threshold, Automatic separation, Monochrome reversing, Automatic back control		
	Paper	Size for Flatbed		~ 298×432mm (11.7 ×17 in.)	
		Size for ADF		Scanning size : 70×169mm (2.8×6.7 in.), and 106×148mm (4.2×5.8 in.) to 298×432mm (11.7×17 in.) Feeding size : 70 ×169mm (2.8×6.7 in.), and 106×148mm (4.2×5.8 in.) to 305 ×432mm (12×17 in.)	
		Thickness for ADF		Single paper feeding : 0.05 to 0.15mm (2.0 to 5.9 mils) Continuous paper feeding : 0.06 to 0.15mm (2.4 to 5.9 mils) Note : 1 mil=1/1000 in.	
Weight for ADF		Single paper feeding : 40 to 127 g/m ² (10.6 to 34 lbs.) Continuous paper feeding : 50 to 127 g/m ² (13 to 34 lbs.)			
Hopper capacity		200 sheets [64 g/m ² (17 lbs.), un used paper]			
Unit	External dimensions (Width×Depth×Height)		464×717×296mm (18.3×28.2×11.7 in.)		
	Mass (Weight)		30kg (66 lbs.)		
	Power requirement		AC100 - 120V, 50/60Hz		
	Power consumption	Maximum (Scanning)		1.8A	
		Minimum (Standby)		0.5A	
Sleep mode		0.13A			
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		
Option	Roller exchange kit (KV-SS044), Imprinter unit (KV-SS010), Red lamp option (KV-SS045), Roller cleaning paper (KV-SS03), Ink cartridge (KV-SS06), White roller kit (KV-SS049)				

- “Weight in pounds” of paper represents the weight of 500 [432×559mm (17×22 inches)] sheets.
- The red lamp option (KV-SS045) must be installed by a trained service engineer. Consult your dealer.
- If the red lamp is installed, any red letters on the back side of the document will automatically not be scanned.

Specifications

Item		Model No.	KV-S6050WU	KV-S6055WU	
Scanner	Scanning face		Simplex scanning	Duplex scanning	
	Scanning method		CCD image sensor	ADF front side/Flatbed : CCD image sensor ADF back side : CIS (Contact Type Image Sensor)	
	Readout speed	Flatbed	1.5 sec (1 paper, A4 size, 200 dpi)		
		ADF	Simplex scanning : Duplex scanning : (KV-S6055W only)	Approx. 53 sheets/min. (A4, fed lengthwise, 200 dpi) Approx. 45 sheets/min. (A4, fed lengthwise, 200 dpi)	
	Resolution	Flatbed/ADF	Main scanning direction : 100 ~ 600dpi (1 dpi step) Sub-scanning direction : 100 ~ 600dpi (1 dpi step) The optical resolution is 400 dpi.		
	Tonal gradation		Binary mode, Grayscale mode (4/8 bit), 64-step gradation (dither) mode, 64-step gradation (error diffusion) mode		
	Image control		Image emphasis, Dynamic threshold (DIMM required), Automatic threshold, Automatic separation, Monochrome reversing, Automatic back control		
	Paper	Size for Flatbed		~ 298×432mm	
		Size for ADF		Scanning size : 70×169mm, and 106×148mm to 298×432mm Feeding size : 70 ×169mm, and 106×148mm to 305 ×432mm	
		Thickness for ADF		Single paper feeding : 0.05 to 0.15mm Continuous paper feeding : 0.06 to 0.15mm	
Weight for ADF		Single paper feeding : 40 to 127 g/m ² Continuous paper feeding : 50 to 127 g/m ²			
Hopper capacity		200 sheets [64 g/m ² , un used paper]			
Unit	External dimensions (Width×Depth×Height)		464×717×296mm		
	Mass (Weight)		30kg		
	Power requirement		AC220 - 240V, 50/60Hz		
	Power consumption	Maximum (Scanning)		1.0A	
		Minimum (Standby)		0.3A	
Sleep mode		0.07A			
Operating Environment	Operating temperature and humidity		15°C to 30°C, 30% to 80%RH		
Storage Environment	Storage temperature and humidity		0°C to 35°C, 10% to 80%RH		
Option	Roller exchange kit (KV-SS044), Imprinter unit (KV-SS010), Red lamp option (KV-SS045), Roller cleaning paper (KV-SS03), Ink cartridge (KV-SS06), White roller kit (KV-SS049)				

- The red lamp option (KV-SS045) must be installed by a trained service engineer. Consult your dealer.
- If the red lamp is installed, any red letters on the back side of the document will automatically not be scanned.

Troubleshooting

If a problem occurs while the unit is being used, first check the following items. If the unit still malfunctions, turn it OFF, unplug the power cord and call for service.

Symptom	Possible Cause	Remedy
The LCD does not display when the power switch is turned ON.	The power cord is not plugged in.	Insert the power plug firmly.
	A fuse has blown.	Pull out the power plug, then call for service.
	Foreign matter is lodged in the fan, preventing it from rotating.	
The scanner rattels during initialization after turning on, and the LCD displays "F41 Call Service".	The optical unit of flatbed remains affixed by the metal clamp.	Remove the metal clamp and re-attach it at the proper position (position ③). (Refer to "Installation" on the Installation Manual.)
Double feeding problem occurs.	The rollers are dirty.	Clean all of the rollers. (See pages 44 through 47.)
	Retard roller is not installed correctly.	
The document stops during scanning in the ADF.	The document is creased or torn, or longer than A3 size or smaller than 106×148mm (4.2×5.8 in).	Make a copy of the document on paper of the specified size [between 106×148mm (4.2×5.8 in.) and A3 size] and scan the copy.
	The document is jammed.	Open the front or ADF door and remove the jammed paper. (See pages 63 and 64.)
The document is not fed smoothly into the ADF during scanning.	The rollers are dirty.	Clean all of the rollers. (See pages 44 through 47.)
	Paper feed rollers, separation roller and retard roller are the end of their life.	Replace paper feed roller module, separation roller module and retard roller module. (See pages 52 through 57.)
The scanned document is blank.	The document to be scanned was loaded face down (upside down).	Load the document correctly.
	The scanning conditions are set on the computer side but the scanner condition setting for each item have not become "Host".	Return all of the scanning conditions for each item's setting to "Host".
The scanned document is skewed.	The document guides were not touching the edges of the document, or the document was skewed when loaded.	Set the document guides or the document correctly.
Vertical lines appear on the scanned document.	The sensor roller, scanning section glass or the rubber rollers are dirty.	Wipe the dirty parts with a clean cloth. (See pages 47 through 50.)
The scanned document is faint.	The sensor roller is dirty.	Clean the sensor roller. (See pages 47 through 50.)
The computer does not recognize the scanner.	The computer cannot recognize the scanner.	Turn the computer OFF. Turn the scanner ON, and then turn the computer ON again.
		Confirm the SCSI ID, product ID and terminator, and then set them correctly.
		Use a shielded cable which is as short as possible. Reduce the SCSI transfer rate, and then proceed.

Troubleshooting

Symptom	Possible Cause	Remedy
The double feed detection sensor is not operating.	There is dust from the paper on the double feed detection sensor.	Please clean the double feed detection sensor with the included blower. (See page 48.)
	The double feed detector sensitivity setting does not match the scanning document.	Change the double feed detector sensitivity setting. (See page 25.)
Black dots or white patches occur when scanning with flatbed.	The document glass and cover sheet are dirty.	Clean the document glass and cover sheet. (See page 51.)

LCD	Possible Cause	Remedy																																																																																										
<table border="1"> <tr> <td>*</td><td>*</td><td>*</td><td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td>*</td><td>*</td><td>*</td><td></td><td></td> </tr> <tr> <td>C</td><td>l</td><td>e</td><td>a</td><td>n</td><td>R</td><td>o</td><td>l</td><td>l</td><td>e</td><td>r</td><td></td><td></td><td></td><td></td> </tr> </table>	*	*	*	W	a	r	n	i	n	g	*	*	*			C	l	e	a	n	R	o	l	l	e	r					The rollers are dirty.	Clean the rollers. (See pages 44 through 47.)																																																												
*	*	*	W	a	r	n	i	n	g	*	*	*																																																																																
C	l	e	a	n	R	o	l	l	e	r																																																																																		
<table border="1"> <tr> <td>*</td><td>*</td><td>*</td><td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td>*</td><td>*</td><td>*</td><td></td><td></td> </tr> <tr> <td>R</td><td>e</td><td>p</td><td>l</td><td>a</td><td>c</td><td>e</td><td>R</td><td>o</td><td>l</td><td>l</td><td>e</td><td>r</td><td></td><td></td> </tr> </table>	*	*	*	W	a	r	n	i	n	g	*	*	*			R	e	p	l	a	c	e	R	o	l	l	e	r			The rollers need to be replaced.	Replace the paper feed roller module, separation roller module and retard roller module. (See pages 52 through 57.)																																																												
*	*	*	W	a	r	n	i	n	g	*	*	*																																																																																
R	e	p	l	a	c	e	R	o	l	l	e	r																																																																																
<table border="1"> <tr> <td>*</td><td>*</td><td>*</td><td>W</td><td>a</td><td>r</td><td>n</td><td>i</td><td>n</td><td>g</td><td>*</td><td>*</td><td>*</td><td></td><td></td> </tr> <tr> <td>D</td><td>b</td><td>l</td><td>F</td><td>e</td><td>e</td><td>d</td><td>O</td><td>c</td><td>c</td><td>u</td><td>r</td><td>r</td><td>e</td><td>d</td> </tr> </table>	*	*	*	W	a	r	n	i	n	g	*	*	*			D	b	l	F	e	e	d	O	c	c	u	r	r	e	d	Double feed may have occurred.	Check the scanned data.																																																												
*	*	*	W	a	r	n	i	n	g	*	*	*																																																																																
D	b	l	F	e	e	d	O	c	c	u	r	r	e	d																																																																														
<table border="1"> <tr> <td>U</td><td>1</td><td>1</td><td>J</td><td>A</td><td>M</td><td></td><td></td><td></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>X</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	1	J	A	M																X	X	X	X	X	X	X	X	X	The document is jammed.	Open the front or ADF door and remove the jammed paper. (See pages 42 and 43.)																																																												
	U	1	1	J	A	M																																																																																						
						X	X	X	X	X	X	X	X	X																																																																														
Dust adheres to the paper detection sensor.	Clean a dust using the included blower. (See page 48.)																																																																																											
<table border="1"> <tr> <td>U</td><td>1</td><td>2</td><td>J</td><td>A</td><td>M</td><td></td><td></td><td></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>X</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> <table border="1"> <tr> <td>U</td><td>1</td><td>4</td><td>J</td><td>A</td><td>M</td><td></td><td></td><td></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>X</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> <table border="1"> <tr> <td>U</td><td>1</td><td>6</td><td>J</td><td>A</td><td>M</td><td></td><td></td><td></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>X</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	2	J	A	M																X	X	X	X	X	X	X	X	X	U	1	4	J	A	M																X	X	X	X	X	X	X	X	X	U	1	6	J	A	M																X	X	X	X	X	X	X	X	X	The document is jammed or the document has been feeded obliquely.	Open the front or ADF door and remove the jammed paper. (See pages 42 and 43.)
U	1	2	J	A	M																																																																																							
						X	X	X	X	X	X	X	X	X																																																																														
U	1	4	J	A	M																																																																																							
						X	X	X	X	X	X	X	X	X																																																																														
U	1	6	J	A	M																																																																																							
						X	X	X	X	X	X	X	X	X																																																																														
<table border="1"> <tr> <td>U</td><td>1</td><td>8</td><td>R</td><td>e</td><td>m</td><td>a</td><td>i</td><td>n</td><td>d</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>X</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	X	A document remains in the scanner.	Open the front or ADF door 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	X																																																																														
Dust adheres to the document sensors.	Clean a dust using the included blower. (See pages 48 and 49.)																																																																																											
<table border="1"> <tr> <td>U</td><td>2</td><td>0</td><td>S</td><td>k</td><td>e</td><td>w</td><td>E</td><td>r</td><td>r</td><td>o</td><td>r</td><td></td><td></td><td></td> </tr> <tr> <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><td>X</td> </tr> </table>	U	2	0	S	k	e	w	E	r	r	o	r										X	X	X	X	X	X	X	X	X	A document has been feeded obliquely.	Open the ADF door and remove the paper.																																																												
U	2	0	S	k	e	w	E	r	r	o	r																																																																																	
						X	X	X	X	X	X	X	X	X																																																																														
<table border="1"> <tr> <td>U</td><td>2</td><td>3</td><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> </tr> <tr> <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><td>X</td> </tr> </table>	U	2	3	D	o	u	b	l	e	F	e	e	d									X	X	X	X	X	X	X	X	X	Multiple sheets were fed into the unit.	Open the front or ADF door and remove the jammed paper. (See pages 42 and 43.)																																																												
U	2	3	D	o	u	b	l	e	F	e	e	d																																																																																
						X	X	X	X	X	X	X	X	X																																																																														

Troubleshooting

LCD	Possible Cause	Remedy																																																								
<table border="1"> <tr> <td>U</td><td>3</td><td>0</td><td>F</td><td>r</td><td>o</td><td>n</td><td>t</td><td>D</td><td>o</td><td>o</td><td>r</td><td></td><td></td> </tr> <tr> <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> </tr> </table>	U	3	0	F	r	o	n	t	D	o	o	r											X	X	X	X	X	X	The front door is open.	Close the front door .																												
U	3	0	F	r	o	n	t	D	o	o	r																																															
								X	X	X	X	X	X																																													
<table border="1"> <tr> <td>U</td><td>3</td><td>1</td><td>A</td><td>D</td><td>F</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>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> </tr> </table>	U	3	1	A	D	F	D	o	o	r													X	X	X	X	X	X	The ADF door is open.	Close the ADF door.																												
U	3	1	A	D	F	D	o	o	r																																																	
								X	X	X	X	X	X																																													
<table border="1"> <tr> <td>U</td><td>3</td><td>4</td><td>T</td><td>o</td><td>p</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>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> </tr> </table>	U	3	4	T	o	p	D	o	o	r													X	X	X	X	X	X	The imprinter (top) door is open.	Close the imprinter door.																												
U	3	4	T	o	p	D	o	o	r																																																	
								X	X	X	X	X	X																																													
<table border="1"> <tr> <td>U</td><td>3</td><td>5</td><td>D</td><td>o</td><td>c</td><td>.</td><td>C</td><td>o</td><td>v</td><td>e</td><td>r</td><td></td><td></td> </tr> <tr> <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> </tr> </table>	U	3	5	D	o	c	.	C	o	v	e	r											X	X	X	X	X	X	The document cover is open.	Close the document cover.																												
U	3	5	D	o	c	.	C	o	v	e	r																																															
								X	X	X	X	X	X																																													
<table border="1"> <tr> <td>H</td><td>X</td><td>X</td><td>C</td><td>a</td><td>l</td><td>l</td><td>S</td><td>e</td><td>r</td><td>v</td><td>i</td><td>c</td><td>e</td> </tr> <tr> <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> </tr> <tr> <td>F</td><td>X</td><td>X</td><td>C</td><td>a</td><td>l</td><td>l</td><td>S</td><td>e</td><td>r</td><td>v</td><td>i</td><td>c</td><td>e</td> </tr> <tr> <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> </tr> </table>	H	X	X	C	a	l	l	S	e	r	v	i	c	e									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	A user non-servicable error has occurred.	Please consult with a service representative. Call technical service support.
H	X	X	C	a	l	l	S	e	r	v	i	c	e																																													
								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																																													
<table border="1"> <tr> <td>U</td><td>5</td><td>0</td><td>N</td><td>o</td><td>I</td><td>/</td><td>F</td><td>B</td><td>o</td><td>a</td><td>r</td><td>d</td><td></td> </tr> <tr> <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> </tr> </table>	U	5	0	N	o	I	/	F	B	o	a	r	d										X	X	X	X	X	X	An interface board has not been installed.	Reinstall scanner's interface board.																												
U	5	0	N	o	I	/	F	B	o	a	r	d																																														
								X	X	X	X	X	X																																													

Index

	page		page
A			
AC inlet	13	Default	18
ADF door	13,42	Detect	18
ADF door release	13,42	Display panel	13,15
B			
Back side brightness	17,23	Document glass	14,51
Back side contrast	17,23	Document guide	13,35
Back side halftone	17,24	Document sensor	44,47
Back side image emphasis	17,23	Double feed detection	17,24
Bayer dither 16	23,24	E	
Bayer dither 64	23,24	Error diffusion	23,24
Binary	23,24	Exit document stopper	13,35
Black line removal	17,24	F	
C			
Carbon or carbonless paper	36	Fan exhaust vent	13,44
Checking the "Roller Cleaning Warning"	20,31	Fill indicator	35,36
Checking the Firmware Version	20,30	Front door release	13,38
Checking the roller modules replacement warning	20,31	Front side brightness	17,22
CIS glass	14,47	Front side contrast	17,22
Clear the "User Counter"	19	Front side halftone	17,23
Clearing the "Roller Cleaning Warning"	20,31	Front side image emphasis	17,22
Clearing the roller modules replacement warning	20,31	H	
Connector	13	Halftone dot 32	23,24
Control sheet	41	Halftone dot 64	23,24
Conveyor	55	High	23
COUNTER	15,19	HOME	15
Counter	19	Hopper	13,35
Counter setting menu	19	Hopper extension tray	13,36
Cover sheet	14,51	Host	28,29
D			
I			
IMPRINT	15,28		
Imprinter door	13		
Imprinter setting menu	28		

Index

	page	page
L		
Landscape	35	
LCD (Liquid Crystal Display)	15	
Load scanning setting	18,26	
Low	23	
M		
Manual feed selector	13,40	
Medium	22,23	
Menu	15	
N		
Noise reduction	17,24	
None	22,23	
Norm	22,23	
Normal	25	
Not detect	24,25	
O		
Operating environment	59,60	
Others	41	
P		
Paper detection sensor	47,48	
Paper feed conveyor	52	
Paper feed roller module	53	
Portrait	35	
Power consumption	59,60	
Power cord	13	
Power requirement	59,60	
Power switch	13,44	
R		
Readout speed	59,60	
Retard roller module	56	
Roller cleaning paper	46,51	
S		
Save "Scanning Settings"	18,26	
SCAN	15	
Scanning face	59,60	
Scanning method	18,26	
Scanning section glass	14,47	
Select the counter displayed on the LCD	19,27	
Sensor plate	44,47	
Sensor roller	44,47	
Separation roller module	53	
Setting the "Buzzer"	20,30	
Setting the "Product ID"	20,32	
Setting the "Terminator"	20,30	
Setting the "User Counter Extender"	19,27	
Setting the imprinter data	19,28	
Setting the imprinter position	19,28	
Setting the language	16	
Setting the SCSI ID	20,30	
Setting the user counter	19,27	
Smooth	22,23	
Standard mark	14,37	
T		
Transfer rate	30	
U		
User counter	19,27	

**Panasonic Digital Imaging Solutions Company
Business Unit of Matsushita Electric Corporation of America**

Two Panasonic Way, Secaucus, New Jersey 07094

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario, L4W 2T3

Matsushita Electric Industrial Co., Ltd.

Web Site : <http://www.panasonic.co.jp/global/>

E-0529

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>