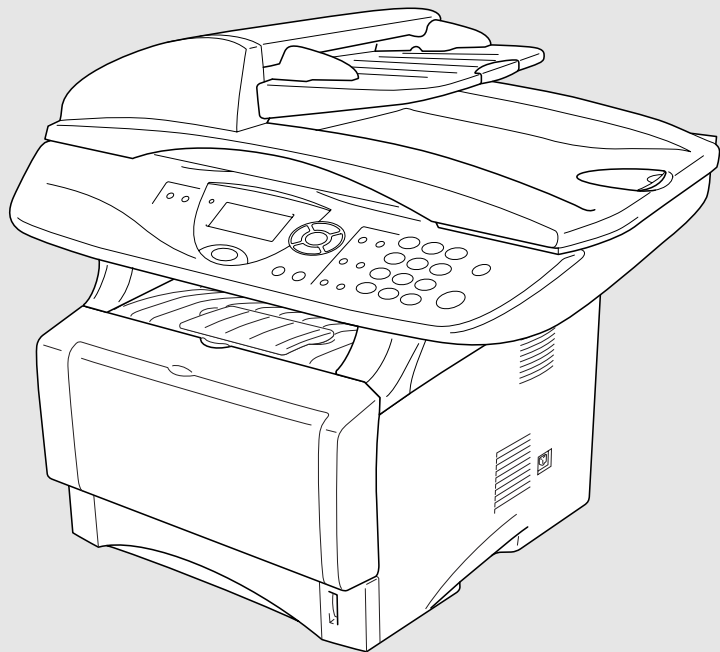


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DCP-8040 DCP-8045D

.....

brother

Version D

If you need to call Customer Service

Please complete the following information for future reference:

Model Number: DCP-8040, DCP-8045D
(Circle your model number)

Serial Number:* _____

Date of Purchase: _____

Place of Purchase: _____

* The serial number is on the back of the unit. Retain this User's Guide with your sales receipt as a permanent record of your purchase, in the event of theft, fire or warranty service.

Register your product on-line at

<http://www.brother.com/registration>

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product. Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

The most convenient and efficient way to register your new product is on-line at <http://www.brother.com/registration>

Brother numbers

IMPORTANT

For technical help, you must call the country where you bought the DCP. Calls must be made **from within** that country.

Register your product

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product.

Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

Please complete and fax the Brother Warranty Registration And Test Sheet or, for your convenience and most efficient way to register your new product, register on-line at

<http://www.brother.com/registration>

Frequently asked questions (FAQs)

The Brother Solutions Center is our one-stop resource for all your Digital Copier/Printer needs. You can download the latest software and utilities, read FAQs and troubleshooting tips to learn how to get the most from your Brother product.

<http://solutions.brother.com>



You can check here for Brother driver updates.

For Customer Service

In USA: 1-800-284-4329 (voice)
1-901-379-1215 (fax)
1-800-284-3238 (TTY service for the hearing-impaired)

In Canada: 1-877-BROTHER (voice)
(514) 685-4898 (fax)

Service Center Locator (USA only)

For the location of a Brother authorized service center, call 1-800-284-4357.

Service Center Locations (Canada only)

For the location of a Brother authorized service center, call 1-877-BROTHER.

Brother fax back system (USA only)

Brother has installed an easy-to-use fax back system, so you can get instant answers to common technical questions and product information for all Brother products. This system is available 24 hours a day, 7 days a week. You can use the system to send faxes to any fax machine.

In USA only: 1-800-521-2846

Ordering accessories and supplies

For best quality results use only genuine Brother accessories, which are available at most Brother retailers. If you cannot find the accessory you need and you have a Visa, MasterCard, Discover, or American Express credit card, you can order accessories directly from Brother. (In the USA, you can visit us online for a complete selection of the Brother accessories and supplies that are available for purchase.)

In USA: 1-888-879-3232 (voice)
1-800-947-1445 (fax)

<http://www.brothermall.com>

In Canada: 1-877-BROTHER (voice)

Description	Item
Toner Cartridge	TN-540 (Standard, Prints up to 3,500 pages) TN-570 (High yield, Prints up to 6,700 pages)
Drum Unit	DR-510
IEEE-1284 Bi-directional Cable	F2A046-10
Power Protector for A/C Power, Phone Line Surges and Voltage Spikes (2 outlets)	QPD120
Power Protector for A/C Power, Phone Line Surges and Voltage Spikes (8 outlets)	FX120
Paper Tray #2 (Option)	LT-5000
Network (LAN) Board (Option) Brother Print Server (10/100 Base-TX Ethernet Network)	NC-9100h
User's Guide	LF6304001 LF6307001 (French For Canada)
Quick Setup Guide	LF6354001 LF6356001 (French For Canada)

Notice - Disclaimer of Warranties (USA and Canada)

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Compilation and Publication Notice

Under the supervision of Brother Industries Ltd., this manual has been compiled and published, covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

Brother® Three-Year Limited Warranty and Exchange Service For DCP-8040 and DCP-8045D (USA only)

Who is covered:

- This limited warranty ("warranty") is given only to the original end-use/retail purchaser (referred to in this warranty as "Original Purchaser") of the accompanying product, consumables and accessories (collectively referred to in this warranty as "this Product").
- If you purchased a product from someone other than an authorized Brother reseller in the United States or if the product was used (including but not limited to floor models or refurbished product), prior to your purchase you are not the Original Purchaser and the product that you purchased is not covered by this warranty.

What is covered:

- This Product includes a Machine and Consumable and Accessory Items. Consumable and Accessory Items include but are not limited to toner, drums, print heads and ink cartridges.
- Except as otherwise provided herein, Brother warrants that the Machine and the accompanying Consumable and Accessory Items will be free from defects in materials and workmanship, when used under normal conditions.
- This warranty applies only to products purchased and used in the United States. For products purchased in, but used outside, the United States, this warranty covers only warranty service within the United States (and does not include shipping outside the United States).

What is the length of the Warranty Period(s):

- Machines have a two-stage warranty: 2 years from the original purchase date and an additional warranty up to 3 years from the original purchase date.
- Accompanying Consumable and Accessories Items have a one-stage warranty: 90 days from the original purchase date or the rated life of the Consumable Item, whichever occurs first.

What is NOT covered:

This warranty does not cover:

- (1) Physical damage to this Product;
- (2) Damage caused by improper installation, improper or abnormal use, misuse, neglect or accident (including but not limited to transporting this Product without the proper preparation and/or packaging);
- (3) Damage caused by another device or software used with this Product (including but not limited to damage resulting from use of non Brother®-brand parts and Consumable and Accessory Items);
- (4) Consumable and Accessory Items that expired in accordance with a rated life; and,
- (5) Problems arising from other than defects in materials or workmanship.
- (6) Normal Periodic Maintenance Items, such as Paper Feeding Kit, Fuser and Laser Units.

This warranty is VOID if this Product has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from Brother and/or alteration/removal of the serial number).

What to do if you think your Product is eligible for warranty service:

Report your issue to either our Customer Service Hotline at 1-800-284-4329 or a Brother Authorized Service Center **within the applicable warranty period**. Supply Brother or the Brother Authorized Service Center with a copy of your dated bill of sale showing that this Product was purchased within the U.S. For the name of local Brother Authorized Service Center(s), call 1-800-521-2846 or visit our web site at www.brother.com.

What Brother will ask you to do:

After contacting Brother or a Brother Authorized Service Center, you may be required to deliver (by hand if you prefer) or send the Product properly packaged, freight prepaid, to the Authorized Service Center together with a photocopy of your bill of sale. **You are responsible for the cost of shipping, packing product, and insurance (if you desire). You are also responsible for loss or damage to this Product in shipping.**

What Brother will do:

First 2 Years: If the problem reported concerning your Machine and/or accompanying Consumable and Accessory Item(s) is covered by this warranty and if (i) you first reported the problem with your Machine to Brother or an Authorized Service Center within 2 years from the original purchase date or (ii) you first reported the problem with the accompanying Consumable and Accessory Items to Brother or an Authorized Service Center within the earlier of 90 days from the original purchase date or the rated life of the item, Brother or its Authorized Service Center will repair or replace the Machine and/or accompanying Consumable and Accessory Item(s) at no charge to you for parts or labor. The decision as to whether to repair or replace the Machine and/or accompanying Consumable and Accessory Item(s) is made by Brother in its sole discretion. Brother reserves the right to supply a refurbished or remanufactured replacement Machine and/or accompanying Consumable and Accessory Item(s) and use refurbished parts provided such replacement products conform to the manufacturer's specifications for new product/parts. The repaired or replacement Machine and/or accompanying Consumable and Accessory Item(s) will be returned to you freight prepaid or made available for you to pick up at a conveniently located Authorized Service Center.

2 Years to 3 Years:

If the problem reported concerning your Machine is covered by this warranty and if you first reported the problem after 2 years, but before 3 years from the original purchase date, Brother or its Authorized Service Center will repair the Machine at no charge to you for parts or labor. Brother reserves the right to use refurbished parts provided such refurbished parts conform to the manufacturer's specifications for new product/parts. The repaired Machine will be returned to you freight prepaid or made available for you to pick up at a conveniently located Authorized Service Center.

If the Machine and/or accompanying Consumable and Accessory Item(s) are not covered by this warranty (either stage), you will be charged for shipping the Machine and/or accompanying Consumable and Accessory Item(s) back to you.

The foregoing are your sole (i.e., only) and exclusive remedies under this warranty.

What happens when Brother elects to replace your Machine:

When a replacement Machine is authorized by Brother, and you have delivered the Machine to an Authorized Service Center, the Authorized Service Center will provide you with a replacement Machine after receiving one from Brother. If you are dealing directly with Brother, Brother will send to you a replacement Machine with the understanding that you will, after receipt of the replacement Machine, supply the required proof of purchase information, together with the Machine that Brother agreed to replace. You are then expected to pack the Machine that Brother agreed to replace in the package from the replacement Machine and return it to Brother using the shipping bill supplied by Brother in accordance with the instructions provided by Brother. Since you will be in possession of two machines, Brother will require that you provide a valid major credit card number. Brother will issue a hold against the credit card account number that you provide until Brother receives your original Product and determines that your original Product is entitled to warranty coverage. Your credit card will be charged up to the cost of a new Product only if: (i) you do not return your original Product to Brother within five (5) business days; (ii) the problems of your original Product are not covered by the warranty; (iii) the proper packaging instructions are not followed and has caused damage to the product; or (iv) the warranty period on your original Product has expired or has not been sufficiently validated with a copy of the proof of purchase (bill of sale). The replacement Machine you receive (even if refurbished or remanufactured) will be covered by the balance of the warranty period remaining on the original Product, plus an additional thirty (30) days. You will keep the replacement Machine that is sent to you and your original Machine shall become the property of Brother. **Retain your original Accessory Items and a copy of the return shipping bill, signed by the courier.**

Limitations:

Brother is not responsible for damage to or loss of any equipment, media, programs or data related to the use of this Product. Except for that repair or replacement as described above, Brother shall not be liable for any direct, indirect, incidental or consequential damages or specific relief. Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, WHETHER EXPRESSED BY AFFIRMATION, PROMISE, DESCRIPTION, DRAWING, MODEL OR SAMPLE. ANY AND ALL WARRANTIES OTHER THAN THIS ONE, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.

- This Warranty is the only warranty that Brother is giving for this Product. It is the *final expression and the exclusive and only statement* of Brother's obligations to you. It replaces all other agreements and understandings that you may have with Brother or its representatives.
- This warranty gives you certain rights and you may also have other rights that may vary from state to state.
- This Warranty (and Brother's obligation to you) may not be changed in any way unless you and Brother sign the same piece of paper in which we (1) refer to this Product and your bill of sale date, (2) describe the change to this warranty and (3) agree to make that change.

Important: *We recommend that you keep all original packing materials, in the event that you ship this product.*

BROTHER MULTIFUNCTION CENTER/FACSIMILE MACHINE LIMITED WARRANTY (Canada only)

Pursuant to this limited warranty of 1 year from the date of purchase for labour and parts, Brother International Corporation (Canada) Ltd. ("Brother"), or its Authorized Service Centers, will repair this DCP/Facsimile machine free of charge if defective in material or workmanship. This Limited Warranty does not include cleaning, consumables (including, without limitation, print cartridges, print head, toner and drum) or damage caused by accident, neglect, misuse or improper installation or operation, any damage caused from service, maintenance, modifications, or tampering by anyone other than a Brother Authorized Service Representative, or from the use of supplies or consumable items that are non-Brother products. Operation of the DCP/Facsimile machine in excess of the specifications or with the Serial Number or Rating Label removed shall be deemed abuse and all repairs thereafter shall be the sole liability of the end-user/purchaser. In order to obtain warranty service, the DCP/Facsimile machine must be delivered or shipped freight prepaid by the end user/purchaser to a "Brother" Authorized Service Center, together with your Proof of Purchase in the form of a Sales Receipt.

For laser products: Failure to remove the Toner Cartridge (and Toner Drum Unit on applicable models) during shipping will cause severe damage to the DCP/Facsimile and will VOID the Warranty. (Refer to your User's Guide for proper packaging.)

For ink-jet products: Do not remove the ink cartridges during shipping. Damage to your print head resulting from packing without the ink cartridges will VOID your warranty. (Refer to your User's Guide for proper packaging.)

BROTHER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT TO THE EXTENT THAT ANY WARRANTIES IMPLIED BY LAW CANNOT BE VALIDLY WAIVED.

No oral or written information, advice or representation provided by Brother, its Authorized Service Centers, Distributors, Dealers, Agents or employees, shall create another warranty or modify this warranty. This warranty states Brother's entire liability and your exclusive remedy against Brother for any failure of the DCP/Facsimile machine to operate properly.

Neither Brother nor anyone else involved in the development, production, or delivery of this DCP/Facsimile machine shall be liable for any indirect, incidental, special, consequential, exemplary, or punitive damages, including lost profits, arising from the use of or inability to use the product, even if advised by the end user/purchaser of the possibility of such damages. Since some Provinces do not allow the above limitation of liability, such limitation may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from Province to Province.

Warranty Service is available at Brother Authorized Service Centers throughout Canada. For Technical Support or for the name and location of your nearest Authorized Service Center call 1-877-BROTHER.

Internet support: support@brother.ca or browse

Brother's Web Site: www.brother.com

Brother International Corporation (Canada) Ltd.

1 Rue Hôtel de Ville

Dollard-Des-Ormeaux, QC H9B 3H6


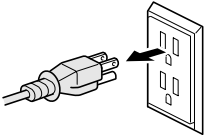

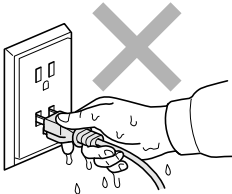

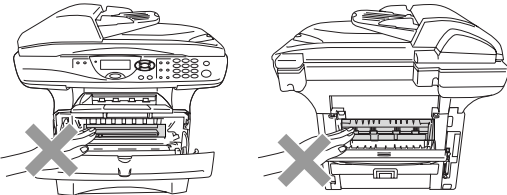

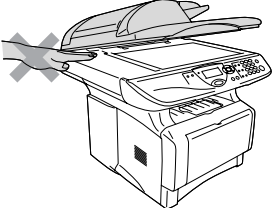

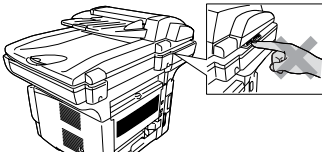
At your side.
brother®

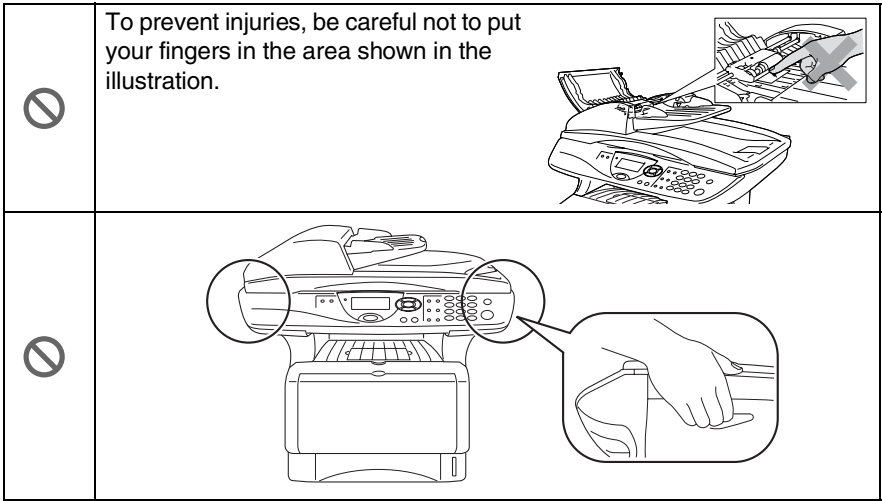
Safety precautions

To use the DCP safely

Save these instructions for later reference.

WARNING

	<p>There are high voltage electrodes inside the DCP. Before you clean the DCP or clear a paper jam, make sure you have unplugged the power cord from the power outlet.</p> 		<p>Do not handle the plug with wet hands. Doing this might cause an electrical shock.</p> 
	<p>After you use the DCP, some internal parts are extremely HOT! To prevent injuries, be careful not to put your fingers in the area shown in the illustration.</p> 		
	<p>To prevent injuries, be careful not to put your hands on the edge of the DCP under the document cover.</p> 		<p>To prevent injuries, be careful not to put your fingers in the area shown in the illustration.</p> 



- When you move the DCP, grasp the side handholds that are under the scanner. Do NOT carry the DCP by holding it at the bottom.
- Install equipment with a power cord near a socket/outlet that is easily accessible.
- Do not use this product near appliances that use water, in a wet basement or near a swimming pool.

 **Caution**

- Lightning and power surges can damage this product! We recommend that you use a quality surge protection device on the AC power line, or unplug the line during a lightning storm.

Choosing a location

Place your DCP on a flat, stable surface that is free of vibration and shocks, such as a desk. Put the DCP near a telephone jack and a standard, grounded power outlet. Choose a location where the temperature remains between 50°F and 95.5°F (10°-32.5°C).

! Caution

- Do not place near heaters, air conditioners, water, chemicals, or refrigerators.
- Do not expose the DCP to direct sunlight, excessive heat, moisture, or dust.
- Do not connect your DCP to electrical outlets controlled by wall switches or automatic timers.
- Disruption of power can wipe out information in the DCP's memory.
- Do not connect your DCP to electrical outlets on the same circuit as large appliances or other Equipment that might disrupt the power supply.
- Avoid interference sources, such as speakers or the base units of cordless phones.



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1 Introduction

Using this Guide

Thank you for buying a Brother Digital Copier Printer (DCP). Your DCP-8040 or DCP-8045D is simple to use, with LCD screen instructions to guide you through programming it. You can make the most of your DCP by taking a few minutes to read this Guide.

Finding information

All the chapter headings and subheadings are listed in the Table of Contents. You will be able to find information about a specific feature or operation by checking the Index at the back of this Guide.


Symbols used in this Guide


Throughout this Guide you'll see special symbols alerting you to important warnings, notes and actions. To make things clearer and to help you press the correct keys, we used special fonts and added some of the messages that will appear in the LCD.


Bold Bold typeface identifies specific keys on the DCP control panel.


Italics Italicized typeface emphasizes an important point or refers you to a related topic.

`Courier New` Courier New typeface identifies the message on the LCD of the DCP.

 Warnings inform you what to do to avoid possible personal injury.

 Cautions specify procedures you must follow or avoid to prevent possible damage to the DCP.

 Notes tell you how you should respond to a situation that may arise or give tips about how the current operation works with other features.

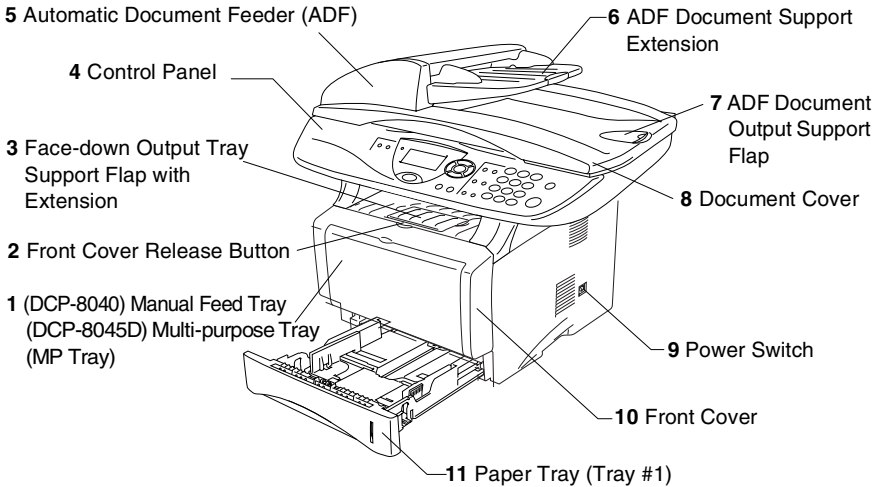
 Improper Setup alerts you to devices and operations that are not compatible with the DCP.

On-line Registration (USA and Canada)

- 1** Insert the MFL-Pro Suite CD-ROM into your CD-ROM drive.
- 2** Click **Online Registration** to register your product.

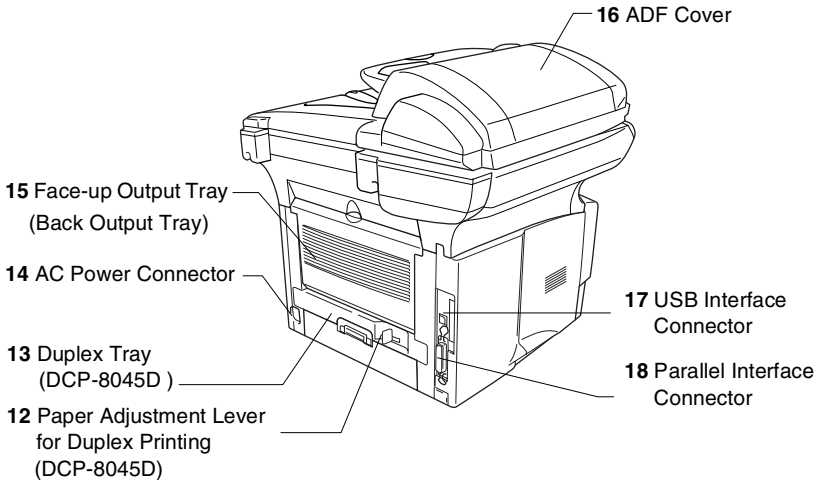
DCP part names and operations

■ Front view



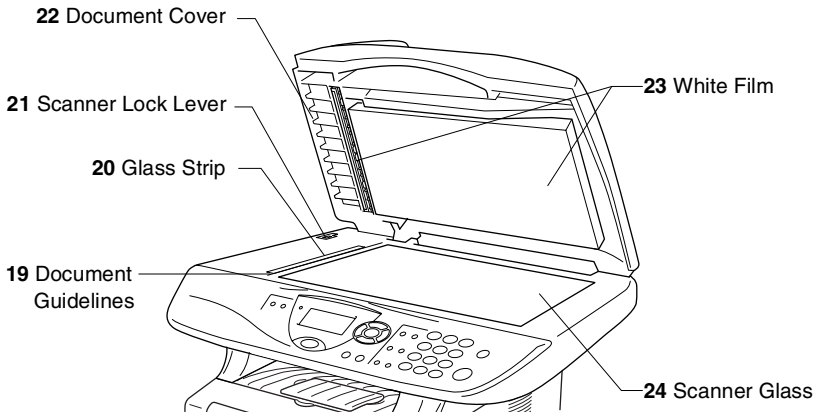
No.	Name	Description
1	(DCP-8040) Manual Feed Tray (DCP-8045D) Multi-purpose Tray (MP Tray)	Load paper here.
2	Front Cover Release Button	Press it to open the front cover.
3	Face-down Output Tray Support Flap with Extension (Support Flap)	Unfold it to prevent the printed paper from sliding off the DCP.
4	Control Panel	Use the keys and display to control the DCP.
5	Automatic Document Feeder (ADF)	Use the ADF unit for multiple page originals.
6	ADF Document Support Extension	Place the original here to use the ADF unit.
7	ADF Document Output Support Flap	Unfold to prevent the scanned pages from sliding off the DCP.
8	Document Cover	Open to place the original on the scanner glass.
9	Power Switch	Switch it on or off.
10	Front Cover	Open to install a toner cartridge or drum unit.
11	Paper Tray (Tray #1)	Load paper here.

■ Back view



No.	Name	Description
12	Paper Adjustment Lever for Duplex Printing (DCP-8045D)	Use to match your paper size for duplex printing.
13	Duplex Tray (DCP-8045D)	Slide out to remove paper jammed inside the DCP.
14	AC Power Connector	Connect the AC Power Cable here.
15	Face-up Output Tray (Back Output Tray)	Open it when thicker paper is placed in the MP tray or Manual feed tray.
16	ADF Cover	Open to remove paper jammed inside the ADF unit.
17	USB Interface Connector	Connect the USB Cable here.
18	Parallel Interface Connector	Connect the Parallel Cable here.

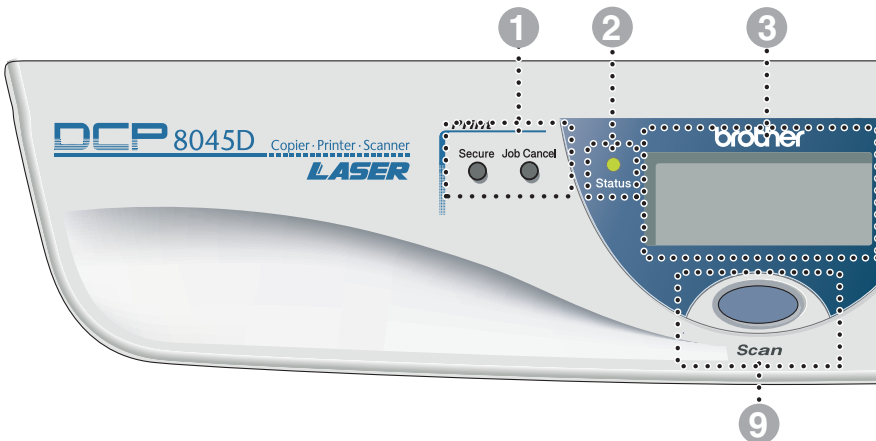
■ Inside view (document cover open)



No.	Name	Description
19	Document Guidelines	Use to center the original on the scanner glass.
20	Glass Strip	This is used to scan the original when using the ADF.
21	Scanner Lock Lever	Use to lock/unlock the scanner when relocating the DCP.
22	Document Cover	Open to place the original on the scanner glass.
23	White Film	Clean it for good quality copying and scanning.
24	Scanner Glass	Place the original to be scanned here.

Control panel overview

DCP-8040 and DCP-8045D have similar control panel keys.



1 Print keys:

Secure

Lets you print out data saved in memory by entering your four-digit password.

Job Cancel

Clears data from the printer memory.

2 Status LED

(Light-Emitting Diode)

The LED will flash and change color depending on the DCP status.

3 5-Line Liquid Crystal Display (LCD)

Displays messages on the screen to help you to set up and use your DCP.

4 Navigation keys:

Menu

Lets you access the Menu to program.

Set

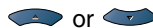
Lets you store your settings in the DCP.

Clear/Back

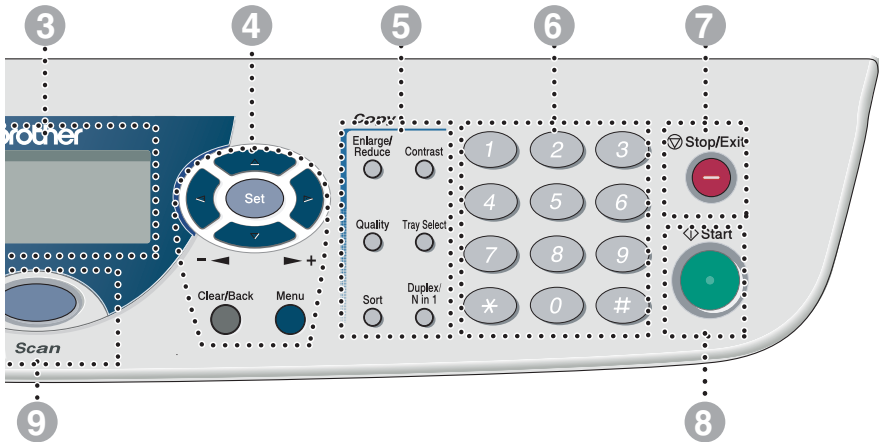
Deletes entered data or lets you exit the menu by pressing repeatedly.



Press to scroll forward or backward to a menu selection.



Press to scroll through the menus and options.



5 Copy keys

(Temporary Settings):

Enlarge/Reduce

Lets you reduce or enlarge copies depending upon the ratio you select.

Contrast

Lets you make a copy that is lighter or darker than the original.

Quality

Lets you select the copy quality for your type of original.

Tray Select

You can select which tray you would like to use for the next copy.

Sort

Lets you sort multiple copies using the ADF.

N in 1 (For DCP-8040)

N in 1 lets you copy 2 or 4 pages onto one page.

Duplex/N in 1 (For DCP-8045D)

You can choose Duplex to copy on both sides of the paper or N in 1 to copy 2 or 4 pages onto one page.

6 Numeric keys

Use the numeric keys to enter the number of multiple copies (99 maximum).

7 Stop/Exit

Stops a copy and scan operation or exits from the menu.

8 Start

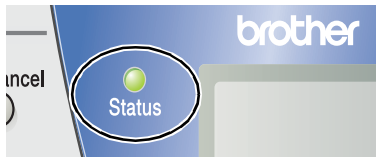
Lets you start making copies or scanning.

9 Scan key:








Lets you access Scan mode.






Status LED indications



The **Status** LED (Light Emitting Diode) will flash and change color depending on the DCP status.



The LED indications shown in the table below are used in the illustrations in this chapter.

LED				LED status
				LED is off.
	 Green	 Yellow	 Red	LED is on.
	 Green	 Yellow	 Red	LED is blinking.

LED	DCP status	Description
	Sleep Mode	The power switch is off or the DCP is in Sleep mode or Power save mode.
 Green	Warming Up	The DCP is warming up for printing.
 Green	Ready	The DCP is ready to print.
 Yellow	Receiving Data	The DCP is either receiving data from the computer, processing data in memory or printing data.
 Yellow	Data Remaining in Memory	Print data remains in the DCP memory.

LED	DCP status	Description
 Red	Service error	Follow the steps below. 1. Turn off the power switch. 2. Wait a few seconds, and then turn it back on and try to print again. If you cannot clear the error and see the same service call indication after turning the DCP back on, please call Brother Customer Service at: 1-800-284-4329 (in USA) or 1-877-BROTHER (in Canada).
 Red	Cover open	The cover is open. Close the cover. (See <i>Error messages</i> on page 7-1.)
	Toner empty	Replace the toner cartridge with a new one. (See <i>Replacing the toner cartridge</i> on page 7-24.)
	Paper error	Put paper in the tray or clear the paper jam. Check the LCD message. (See <i>Troubleshooting and routine maintenance</i> on page 7-1.)
	Scan lock	Check that the scanner lock lever is released. (See <i>Scanner Lock Lever</i> on page 1-5.)
	Others	Check the LCD message. (See <i>Troubleshooting and routine maintenance</i> on page 7-1.)
	Out of memory	Memory is full. (See <i>Error messages</i> on page 7-1.)

Inserting originals for copying (and scanning)

You can copy from either the ADF (automatic document feeder) or from the scanner glass.

Using the ADF (automatic document feeder)

The automatic document feeder (ADF) can hold up to 50 pages, feeding each one individually through the DCP. Use standard (20 lb/75 g/m²) paper when using the ADF. Always fan the pages well and stagger them.

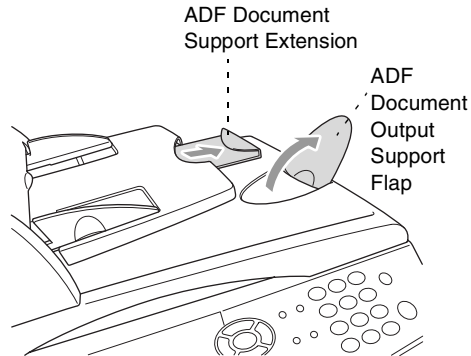
Temperature: 68°F - 86°F (20°C - 30°C)

Humidity: 50% - 70%

- ! DO NOT use curled, wrinkled, folded, or ripped paper, or paper with staples, paper clips, paste or tape attached. DO NOT use cardboard, newspaper, or fabric. (To copy or scan this kind of document, see *Using the scanner glass* on page 1-12.)

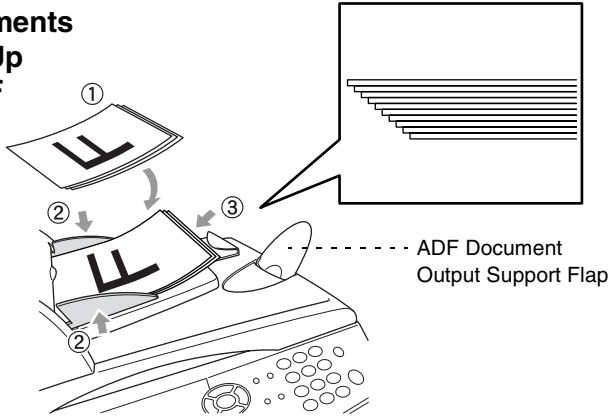
Make sure originals written with ink are completely dry.

- 1 Pull out the ADF document support extension.
- 2 Unfold the ADF document output support flap.
- 3 Fan the pages well and stagger them at an angle. Make sure you put the documents **face up, top edge first** in the ADF until you feel them touch the feed roller.



- 4** Adjust the paper guides to fit the width of your originals.

**The documents
are Face Up
in the ADF**

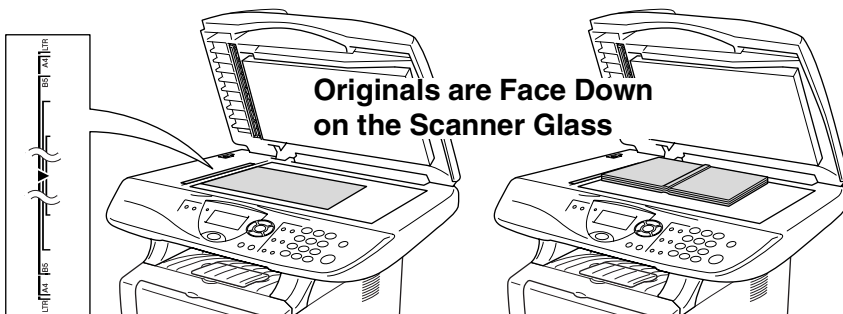


- 5** Press **Start**. The DCP starts scanning the first page.

Using the scanner glass

You can use the scanner glass to copy one page at a time, or pages of a book. To use the scanner glass, the ADF must be empty. You can make multiple copies; however, if you want them sorted you must use the ADF.

- 1 Lift the document cover.



- 2 Using the document guidelines on the left, center the original face down on the scanner glass and close the document cover.
- 3 Using the numeric keys, enter the number of copies you want (up to 99).
- 4 Press **Start**.

The DCP will start scanning the original.

- ! If the original is a book or is thick, do not slam the cover or press on it or you may damage the DCP.

2 Paper

About paper

Type and size of paper

The DCP loads paper from the installed paper tray, manual feed tray, multi-purpose tray or optional lower tray.

Tray Type	Model name
Paper tray (Tray #1)	DCP-8040, DCP-8045D
Manual feed tray	DCP-8040
Multi-purpose tray (MP tray)	DCP-8045D
Optional lower tray (Tray #2)	Option for DCP-8040, DCP-8045D

Recommended paper

Plain Paper: Xerox 4200DP 20 lb
Hammermill Laser Paper 24 lb

Transparency: 3M CG 3300

Labels: Avery laser label #5160

- Before you buy a large amount of paper, please test some to make sure that the paper is suitable.
- Use paper that is made for plain-paper copying.
- Use paper that is 20 to 24 lb (75 to 90 g/m²).
- Use neutral paper. Do not use acidic or alkaline paper.
- Use long-grain paper.
- Use paper with a moisture content of approximately 5%.

Caution

Do not use ink jet paper. It may cause a paper jam and damage your DCP.



The output quality depends on the paper type and paper brand. Visit us at <http://solutions.brother.com> and check the latest recommendations for paper that can be used with the DCP-8040 and DCP-8045D.

Choosing acceptable paper

We recommend that you test paper (especially special sizes and types of paper) on the DCP before purchasing large quantities.

- Avoid feeding label sheets that are partly used or your DCP will be damaged.
- Avoid using coated paper, such as vinyl coated paper.
- Avoid using preprinted or highly textured paper, or paper with an embossed letterhead.

For optimum printing, use a recommended type of paper, especially for plain paper and transparencies. For more information on paper specifications, call your nearest authorized sales representative or the place where you purchased your DCP.

- Use label or transparencies that are designed for use in *laser* printers.
- For the best print quality, we recommend using long-grained paper.
- If you are using special paper and the paper has problems feeding from the paper tray, try again using the manual feed tray or multi-purpose tray.
- You can use recycled paper in this DCP.

Paper capacity of the paper trays

	Paper size	Number of sheets
Multi-purpose tray (MP tray) (DCP-8045D)	Width: 2.75 to 8.66 in. (69.8 to 220 mm) Height: 4.57 to 16.0 in. (116 to 406.4 mm)	50 sheets (20 lb or 80 g/m ²)
Manual feed tray (DCP-8040)	Width: 2.75 to 8.66 in. (69.8 to 220 mm) Height: 4.57 to 16.0 in. (116 to 406.4 mm)	Single sheet
Paper tray (Tray #1)	A4, Letter, Legal, B5 (ISO), B5 (JIS), Executive, A5, A6, B6 (ISO)	250 sheets (20 lb or 80 g/m ²)
Optional lower tray (Tray #2)	A4, Letter, Legal, B5 (ISO), B5 (JIS), Executive, A5, B6 (ISO)	250 sheets (20 lb or 80 g/m ²)
Duplex printing (DCP-8045D)	A4, Letter, Legal	—

Paper specifications for each paper tray

Model		DCP-8040	DCP-8045D
Paper types	Multi-purpose tray	N/A	Plain paper, Bond paper, Recycled paper, Envelope* ¹ , Labels* ² , and Transparency* ²
	Manual feed tray	Plain paper, Bond paper, Recycled paper, Envelope, Labels, and Transparency	N/A
	Paper tray	Plain paper, Recycled paper, and Transparency* ²	
	Optional Lower tray	Plain paper, Recycled paper, and Transparency* ²	
Paper weights	Multi-purpose tray	N/A	16 to 43 lb (60 to 161 g/m ²)
	Manual feed tray	16 to 43 lb (60 to 161 g/m ²)	N/A
	Paper tray	16 to 28 lb (60 to 105 g/m ²)	
	Optional Lower tray	16 to 28 lb (60 to 105 g/m ²)	
Paper sizes	Multi-purpose tray	N/A	Width: 2.75 to 8.66 in. (69.8 to 220 mm) Height: 4.57 to 16.0 in. (116 to 406.4 mm)
	Manual feed tray	Width: 2.75 to 8.66 in. (69.8 to 220 mm) Height: 4.57 to 16.0 in. (116 to 406.4 mm)	N/A
	Paper tray	A4, Letter, Legal, B5 (ISO), B5 (JIS), Executive, A5, A6, B6 (ISO)	
	Optional Lower Tray	A4, Letter, Legal, B5 (ISO), B5 (JIS), Executive, A5, B6 (ISO)	

*1 Up to 3 envelopes

*2 Up to 10 sheets

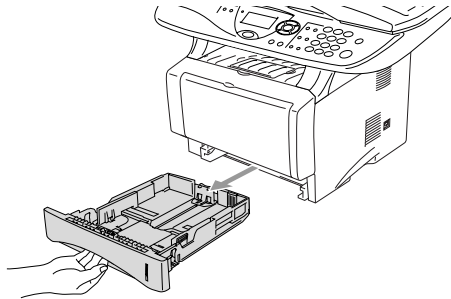


When printing transparencies, remove each one from the face-down output tray after it exists the DCP.

How to load paper

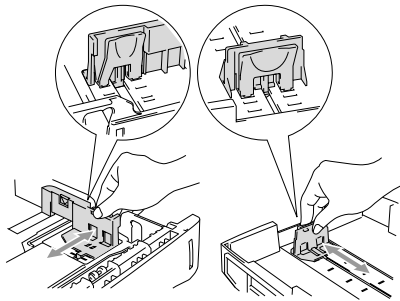
To load paper or other media in the paper tray


- 1 Pull the paper tray completely out of the DCP.

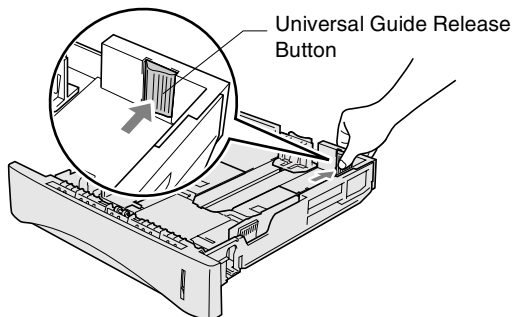


- 2 While pressing the paper guide release lever, slide the adjusters to fit the paper size.

Check that the guides are firmly in the slots.



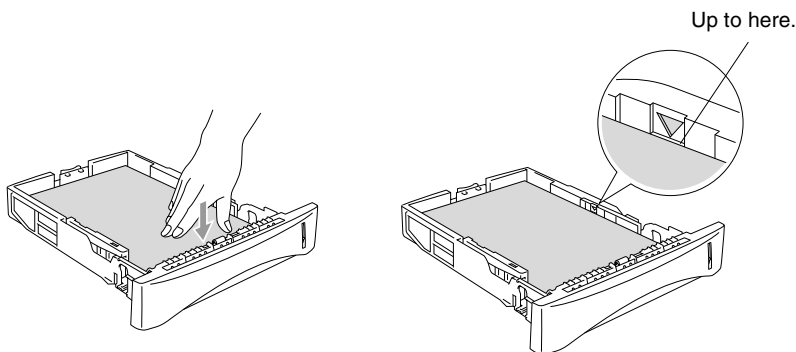
-  For Legal size paper, press the universal guide release button and pull out the back of the paper tray.



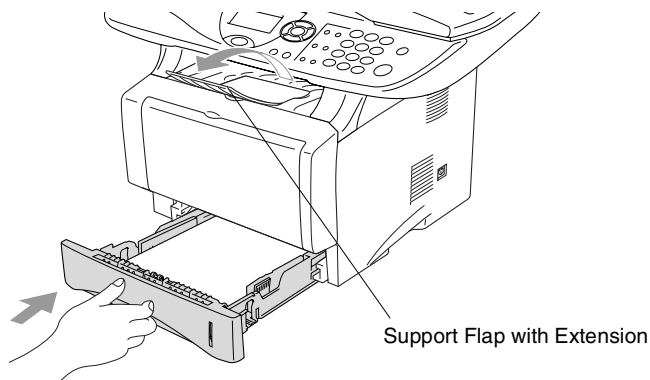
3 Fan the stack of paper well to avoid paper jams and misfeeds.

4 Put paper in the paper tray.

Check that the paper is flat in the tray, below the maximum paper mark, and that the paper guide is flush against the paper stack.



5 Put the paper tray firmly back in the DCP and unfold the support flap before you use the DCP.



When you put paper in the paper tray, please remember the following

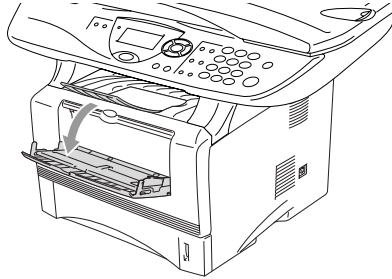
- The side to be printed on must be face down.
- Put the leading edge (top of the paper) in first and push it gently into the tray.
- To copy Legal size paper, unfold the support flap extension, too.

To load paper or other media in the manual feed tray (For DCP-8040)

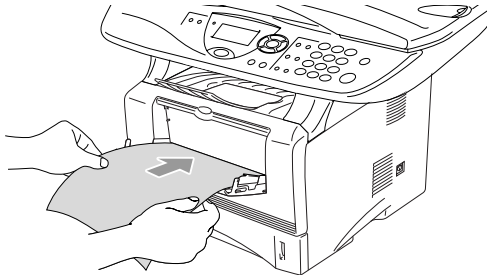


When printing envelopes and labels you should only use the manual feed tray.

- 1 Open the manual feed tray. Slide the paper guides to fit the paper size.



- 2 Using both hands put paper in the manual feed tray until the front edge of the paper touches the paper feed roller. Hold the paper in this position until the DCP automatically feeds the paper in for a short distance, and then let go of the paper.






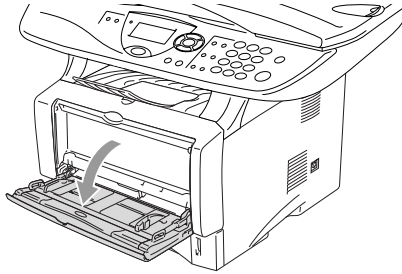
When you put paper in the manual feed tray, please remember the following

- The side to be printed on must be face up.
- Put the leading edge (top of the paper) in first and push it gently into the tray.
- Make sure that the paper is straight and in the proper position on the manual feed tray. If it is not, the paper may not be fed properly, resulting in a skewed printout or a paper jam.
- Do not put more than one sheet of paper or envelope in the manual feed tray at any one time, or it may cause a jam.

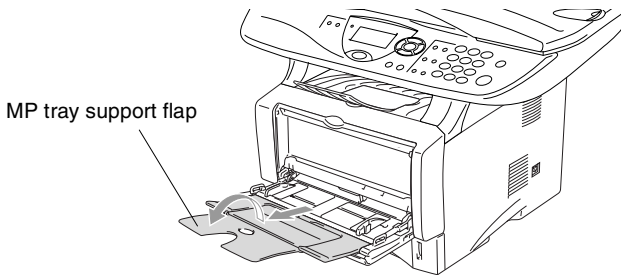
To load paper or other media in the multi-purpose tray (MP tray) (For DCP-8045D)

 When printing envelopes and labels you should only use the multi-purpose tray.

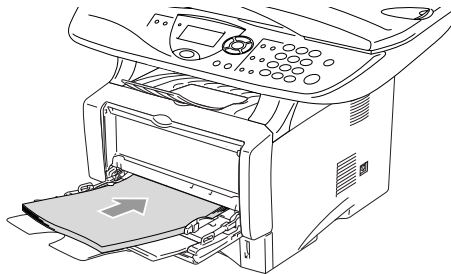
- 1 Open the MP tray and lower it gently.




- 2 Pull out and unfold the MP tray support flap.



- 3 When loading paper in the MP tray, make sure it touches the back of the tray.

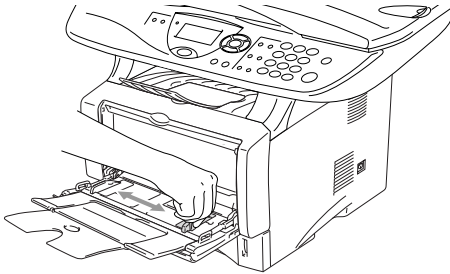


 Make sure that the paper is straight and in the proper position on the MP tray. If it is not, the paper may not be fed properly, resulting in a skewed printout or a paper jam.



You can place up to 3 envelopes or up to 50 sheets of 20 lb or 80 g/m² paper in the MP tray.

- 4 While pressing the paper-guide release lever, slide the paper guide to fit the paper size.



When you put paper in the MP tray, please remember the following:

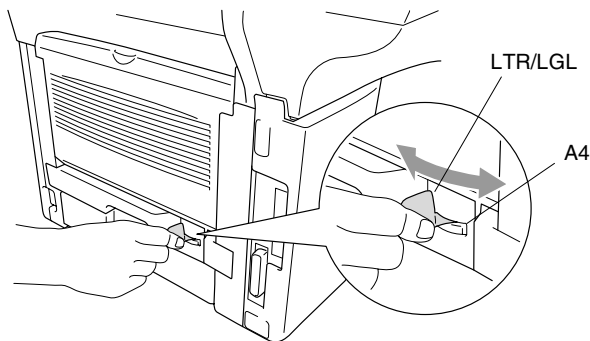
- The side to be printed on must be face up.
- During printing, the inside tray rises to feed paper into the DCP.
- Put the leading edge (top of the paper) in first and push it gently into the tray.

To use Automatic Duplexing for copy and print operations (For DCP-8045D)

If you want to print on both sides of the paper using the Duplex feature for copy or print, you will need to set the Paper Adjustment Lever to the size of paper you are using.

This feature is available for A4, Letter or Legal size paper. (See *Duplex/N in 1* on page 5-11 and *Two-sided printing (Duplex Printing)* in Software User's Guide on the CD-ROM.)

- 1** Load paper in the Paper Tray or Multi-purpose Tray.
- 2** Set the Paper Adjustment Lever for Duplex Printing, in the back of the DCP, to match your paper size.



- 3** Your DCP is now ready to print two-sided pages.

3 On-screen programming



User-friendly programming

Your DCP is designed to be easy to use with LCD on-screen programming using the navigation keys. User-friendly programming helps you take full advantage of all the menu selections your DCP has to offer.

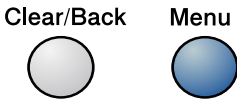
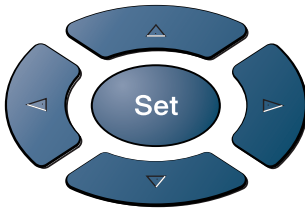
Since your programming is done on the LCD, we have created step-by-step on-screen instructions to help you program your DCP. All you need to do is follow the instructions as they guide you through the menu selections and programming options.

Menu table

You can probably program your DCP without the User's Guide. But to help you understand the menu selections and options that are found in the DCP programs, use the Menu table on page 3-4.

You can program your DCP by pressing **Menu** followed by the menu number. For example: to set `Quality` to `Photo`, press **Menu, 2, 1** and  or  to select `Photo`, and then press **Set**.

Navigation keys



- * Access the menu
- * Go to the next menu level
- * Accept an option
- * Exit the menu by pressing repeatedly
- * Go back to the previous menu level
- * Scroll through the current menu level
- * Go back to the previous menu level
- * Go forward to the next menu level
- * Exit the menu

You can access the menu mode by pressing **Menu**.
When you enter the menu, the LCD scrolls.

Press **1** for General Setup menu

—OR—

Press **2** for Copy menu

—OR—

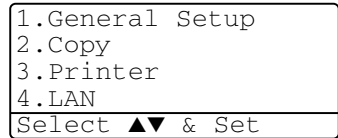
Press **3** for Printer menu



—OR—

Press **4** for LAN menu

(Only for the optional LAN board (NC-9100h) is installed.)



—OR—



You can scroll more quickly through each menu level by pressing the arrow for the direction you want:  or .

Then set an option by pressing **Set** when that option appears on the LCD.


The LCD will then show the next menu level.

Press  or  to scroll to your next menu selection.

Press **Set**.

When you finish setting an option, the LCD shows *Accepted*.

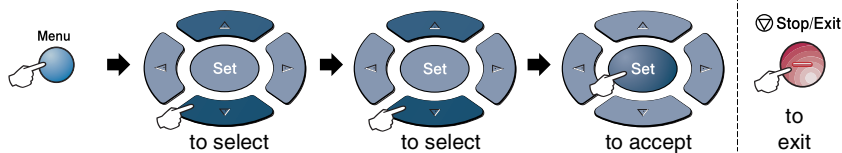


Use  to scroll backward if you passed your choices or want to save keystrokes.

The current setting is always the option with “*”.

Press the Menu numbers.
(ex. Press 1, 1 for Paper Type)

—OR—



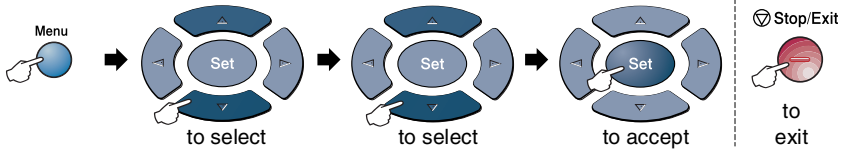
Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup	1.Paper Type	1.MP Tray (DCP-8045D)	Thin Plain* Thick Thicker Transparency	Sets the type of paper in the Multi-purpose tray.	4-1
		2.Tray #1 (This menu only appears if you have the optional tray #2.)	Thin Plain* Thick Thicker Transparency	Sets the type of paper in paper tray #1.	4-1
		3.Tray #2 (option)	Thin Plain* Thick Thicker Transparency	Sets the type of paper in paper tray #2.	4-1
	2.Paper Size	1.Tray #1 (This menu only appears if you have the optional tray #2.)	A4 Letter* Legal Executive A5 A6 B5 B6	Sets the size of paper in paper tray #1.	4-3
		2.Tray #2 (option)	A4 Letter* Legal Executive A5 B5 B6	Sets the size of paper in paper tray #2.	4-3



The factory settings are shown in Bold with *.

Press the Menu numbers.
(ex. Press 1, 1 for Paper Type)

—OR—



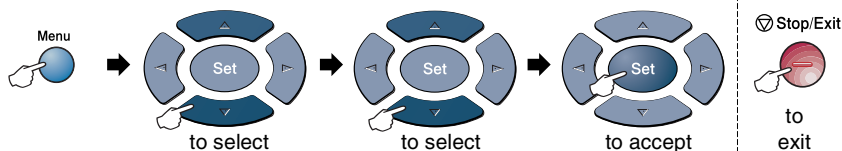
Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup (Continued)	3.Beeper	—	Low Med * High Off	Adjusts the volume level of the beeper.	4-4
	4.Ecology	1.Toner Save	On Off *	Increases the life of the toner cartridge.	4-4
		2.Sleep Time	(00-99) 05Min *	Conserves power.	4-5
	5.Tray Use: Copy (For DCP-8040, this menu does not appear.) (If you have the optional tray#2, see page 3-9.)	—	Tray#1 Only MP Only Auto *	Selects the tray that will be used for Copy mode.	4-6
	5.LCD Contrast (For DCP-8040) 6.LCD Contrast (For DCP-8045D) (If you have the optional tray#2, see page 3-9.)	—	—	- □□□■ + - □□□□ + - □□■□ + * - □■□□ + - ■□□□ +	Adjusts the contrast of the LCD.
6.Drum Life (For DCP-8040) 7.Drum Life (For DCP-8045D) (If you have the optional tray#2, see page 3-9.)	—	—	—	You can check the percentage of drum life that remains available.	7-34




The factory settings are shown in Bold with *.

Press the Menu numbers.
(ex. Press 1, 1 for Paper Type)

—OR—

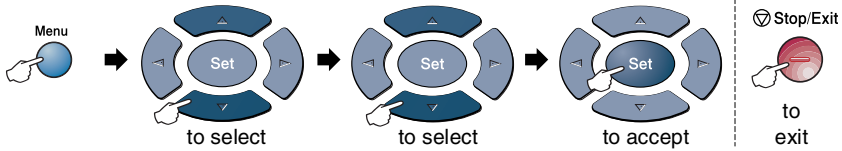


Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup (Continued)	7. Page Counter (For DCP-8040) 8. Page Counter (For DCP-8045D) (If you have the optional tray#2, see page 3-9.)	—	Total Copy Print List	Lets you check the number of total pages the DCP has printed so far.	7-34
	8. User Settings (For DCP-8040) 9. User Settings (For DCP-8045D) (If you have the optional tray#2, see page 3-9.)	—	—	You can print lists.	4-7
	0. Local Language (Canada Only)	—	English * French	Allows you to change the LCD Language for your country.	See Quick Setup Guide
2.Copy	1. Quality	—	Text Photo Auto *	Selects the Copy resolution for your type of original.	5-17
	2. Contrast	—	- □□□■ + - □□□■ + - □□□■ + * - ■□□□ + - ■□□□ +	Adjusts the contrast for copies.	5-17
3.Printer	1. Emulation	—	Auto * HP LaserJet BR-Script 3	Selects the Emulation mode.	See Software User's Guide on the CD-ROM
	2. Print Options	1. Internal Font	—	Prints a list of the DCP's internal fonts or current printer settings.	
		2. Configuration	—		
	3. Reset Printer	—	—	Returns the DCP to the default settings.	

 The factory settings are shown in Bold with *.

Press the Menu numbers.
(ex. Press 1, 1 for Paper Type)

—OR—

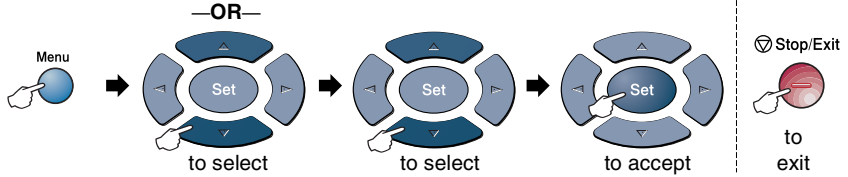


If you installed optional LAN board (NC-9100h), the LCD shows the following LAN menu. (See the Network User's Guide on the CD-ROM.)

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
4.LAN (option)	1.Setup TCP/IP	1.BOOT Method	Auto * Static RARP BOOTP DHCP	You can choose the BOOT method that best suits you needs.	See Network User's Guide on the CD-ROM.
		2.IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.	
		3.Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.	
		4.Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.	
		5.Host Name	BRN_XXXXXX	Enter the Host name.	
		6.WINS Config	Auto * Static	You can choose the WINS configuration mode.	
		7.WINS Server	Primary Secondary	Specifies the IP address of the primary or secondary server.	
		8.DNS Server	Primary Secondary	Specifies the IP address of the primary or secondary server.	
		9.APIPA	On * Off	Automatically allocates the IP address from the link-local address range.	

The factory settings are shown in Bold with *.

Press the Menu numbers.
(ex. Press 1, 1 for Paper Type)



(See the Network User's Guide on the CD-ROM.)

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
4.LAN (option) (Continued)	2.Setup Misc.	1.Netware	On * Off	Select On to use the DCP on a Netware network.	See Network User's Guide on the CD-ROM.
		2.Net Frame	Auto * 8023 ENET 8022 SNAP	Lets you specify the frame type.	
		3.AppleTalk	On * Off	Select On to use the DCP on a Macintosh network.	
		4.DLC/LLC	On * Off	Select On to use the DCP on a DLC/LLC network.	
		5.Net BIOS/IP	On * Off	Select On to use the DCP on a Net BIOS/IP network.	
		6.Ethernet	Auto * 100B-FD 100B-HD 10B-FD 10B-HD	Selects Ethernet link mode.	



The factory settings are shown in Bold with *.



If you have the optional paper tray, the LCD displays these menu options.

(For DCP-8040 with the optional paper tray #2)

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup	5.Tray Use: Copy	—	Tray#1 Only Tray#2 Only Auto *	Select the tray that will be used for copying.	4-6
	6.LCD Contrast	—	- o o o o ■ + - o o o ■ o + - o o ■ o o + * - o ■ o o o + - ■ o o o o +	Adjusts the contrast of the LCD.	4-7
	7.Drum Life	—	—	You can check the percentage of drum life that remains available.	7-34
	8.Page Counter	—	Total Copy Print List	Lets you check the number of total pages the DCP has printed so far.	7-34
	9.User Settings	—	—	You can print lists.	4-7

(For DCP-8045D with the optional paper tray #2)

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup	5.Tray Use: Copy	—	Tray#1 Only Tray#2 Only MP Only Auto *	Select the tray that will be used for copying.	4-6
	6.LCD Contrast	—	- o o o o ■ + - o o o ■ o + - o o ■ o o + * - o ■ o o o + - ■ o o o o +	Adjusts the contrast of the LCD.	4-7
	7.Drum Life	—	—	You can check the percentage of drum life that remains available.	7-34
	8.Page Counter	—	Total Copy Print List	Lets you check the number of total pages the DCP has printed so far.	7-34
	9.User Settings	—	—	You can print lists.	4-7



The factory settings are shown in Bold with *.

Key Operations table

You can use the keys on the control panel to conveniently choose *temporary* copy settings and access the scanning operations. The Key Operations Table below will help you understand the options they provide.

Temporary keys	Options	Descriptions	Page
Secure	—	Print data saved in the memory by entering your four-digit password.	See Software User's Guide on the CD-ROM
Job Cancel	—	Clear data from the printer memory.	
Scan	Scan to E-mail	Scan a black & white or color original into your E-mail application as a file attachment.	
	Scan to Image	Scan an image into your graphics application (such as a color picture) for viewing and editing.	
	Scan to OCR	Scan a text document so ScanSoft® will perform OCR in OmniPage® to convert it to editable text and display it in your word processing application.	
	Scan to File	Scan a black & white or a color original into your computer and save it as a file in the folder you choose.	
Enlarge/Reduce	104%, 141%, 200%, 50%, 70%, 78%, 83%, 85%, 91% Full Page, 94%, 97%, AUTO, Custom (25-400), 100%	Enlarge or reduce the size of copies.	5-6
Contrast	- □ □ ■ □ □ +	Adjust the contrast.	5-9
Quality	Auto, Text, Photo	Select the Copy resolution for your type of original.	5-8
Tray Select (For DCP-8040)	#1 (XXX*), #2 (XXX*), Auto	Change the tray use only for the next copy.	5-10
(For DCP-8045D)	#1 (XXX*), #2 (XXX*), MP Tray, Auto		5-10
Sort		Sort multiple copies, using the ADF.	5-8
N in 1 (For DCP-8040)	2 in 1 (P), 2 in 1 (L), 4 in 1 (P), 4 in 1 (L), Poster, off	Change the layout of copies on the print media.	5-12
Duplex/N in 1 (For DCP-8045D)	Portrait 1, Portrait 2, Landscape 1, Landscape 2		5-11

■ XXX* is the paper size you set.

■ #2 XXX* is shown when the optional paper tray is installed.

4 Getting started

General Setup

Setting the Paper Type

To get the best print quality, set the DCP for the type of paper you are using.

For DCP-8040



1 Press **Menu, 1, 1**.

—OR—

If you have the optional paper tray, press **Menu, 1, 1, 1** to set the paper type for Tray #1 or **Menu, 1, 1, 2** to set the paper type for Tray #2.

11.Paper Type
▲ Plain
Thick
▼ Thicker
Select ▲▼ & Set

11.Paper Type
1.Tray #1
2.Tray #2
Select ▲▼ & Set

2 Press  or  to select Thin, Plain, Thick, Thicker or Transparency.

3 Press **Set**.

4 Press **Stop/Exit**.

For DCP-8045D



1 Press **Menu, 1, 1, 1** to set the paper type for MP Tray.

—OR—

Press **Menu, 1, 1, 2** to set the paper type for Tray #1.

—OR—

If you have the optional paper tray, press **Menu, 1, 1, 3** to set the paper type for Tray #2.


2 Press  or  to select Thin, Plain, Thick, Thicker or Transparency.

3 Press **Set**.

4 Press **Stop/Exit**.



11.Paper Type
1.MP Tray
2.Tray #1
3.Tray #2
Select ▲▼ & Set

11.Paper Type
1.MP Tray
▲ Plain
▼ Thin
Select ▲▼ & Set

 You can select Transparency for Tray #1 and Tray #2 only when A4, Letter or Legal is selected in **Menu, 1, 2**.



Setting the Paper Size

You can use eight sizes of paper for printing copies: A4, letter, legal, executive, A5, A6, B5 and B6. When you change the size of paper in the DCP, you will need to change the setting for Paper Size at the same time so your DCP can fit reduced copy on the page.

- 1 Press **Menu**, **1**, **2**.
- 2 Press  or  to select A4, Letter, Legal, Executive, A5, A6, B5 or B6.
Press **Set**.
- 3 Press **Stop/Exit**.

12.Paper Size	
▲	A4
	Letter
▼	Legal
Select ▲▼ & Set	

With optional paper tray (LT-5000)

- 1 Press **Menu**, **1**, **2**, **1** to set the paper size for Tray #1.
—OR—
Press **Menu**, **1**, **2**, **2** to set the paper size for Tray #2.
- 2 Press  or  to select A4, Letter, Legal, Executive, A5, A6, B5 and B6.
Press **Set**.
- 3 Press **Stop/Exit**.



12.Paper Size	
	1.Tray #1
	2.Tray #2
Select ▲▼ & Set	



- If you are using the optional paper tray, paper size A6 is not available.
- If you select Transparency in **Menu**, **1**, **1**, you can only select A4, Letter or Legal.

Setting the Beeper Volume



You can change the beeper volume. The default setting is **Med.** When the beeper is on, the DCP beeps every time you press a key or make a mistake.

- 1 Press **Menu, 1, 3.**
- 2 Press  or  to select your option.
(Low, Med, High or Off)
Press **Set.**
- 3 Press **Stop/Exit.**

13. Beeper
▲ Med
High
▼ Off
Select ▲▼ & Set

Toner Save

You can conserve toner using this feature. When you set Toner Save to **On**, print appears somewhat lighter. The default setting is **Off.**

- 1 Press **Menu, 1, 4, 1.**
- 2 Press  or  to select **On** (or **Off**).
- 3 Press **Set.**
- 4 Press **Stop/Exit.**

14. Ecology
1. Toner Save
▲ On
▼ Off
Select ▲▼ & Set

Sleep Time



Setting the Sleep Time reduces power consumption by turning off the fuser inside the DCP, while it is idle. You can choose how long the DCP is idle (from 00 to 99 minutes) before it goes into sleep mode. The timer is automatically reset when the DCP receives PC data, or makes a copy. The factory setting is 05 minutes. While the DCP is in sleep mode, you will see **Sleep** on the LCD. If you try to print or copy in sleep mode, there will be a short delay while the fuser warms up to working temperature.

- 1** Press **Menu, 1, 4, 2**.
- 2** Use the Numeric keys to enter the length of time the DCP is idle before it goes into sleep mode (00 to 99).
- 3** Press **Set**.
- 4** Press **Stop/Exit**.



- If you want to turn sleep mode off, press **Secure** and **Job Cancel** simultaneously in Step 2.
- If the DCP is in Sleep Mode when you change the Sleep Time, the new setting will take effect the next time the DCP copies or prints is restarted.

Turning off the Scanner Lamp

The scanner lamp stays on for 16 hours before automatically switching off to preserve the life of the lamp. You can turn off the scanner lamp manually if you wish by pressing the  and  keys simultaneously. The scanner lamp will remain turned off until the next time you use the scanning feature.

Turning off the scanner lamp will also reduce the power consumption.



- Please note that turning the lamp off regularly will reduce the lamp's life. Some people prefer to turn the lamp off as they leave the office, or late at night at home. This is not necessary for normal day to day use.



Setting the Tray Use for Copy mode



If your DCP is a DCP-8040 without the optional tray #2, you can skip this setting.

DCP-8040



The default setting of **Auto** allows ^{*1}your DCP to choose the optional Tray #2 when paper is out in Tray #1 or ^{*2}when the size of the original will fit best on the paper in Tray #2.

- 1 Press **Menu, 1, 5**.
- 2 Press  or  to select Tray#1 Only, Tray#2 Only, or Auto.
- 3 Press **Set**.
- 4 Press **Stop/Exit**.



15.Tray Use:Copy
▲ Tray#1 Only
Tray#2 Only
▼ Auto
Select ▲▼ & Set

DCP-8045D

The default setting of **Auto** allows ^{*1}your DCP to choose the optional Tray #2 or the MP Tray when paper is out in Tray #1 and ^{*2}when the size of the original will fit best on the paper in Tray #2.

- 1 Press **Menu, 1, 5**.
- 2 Press  or  to select Tray#1 Only, MP Only, or Auto.

—OR—

If you have the optional paper tray.
Press  or  to select Tray#1 Only, Tray#2 Only, MP Only, or Auto.

- 3 Press **Set**.
- 4 Press **Stop/Exit**.

15.Tray Use:Copy
▲ Tray#1 Only
MP Only
▼ Auto
Select ▲▼ & Set

15.Tray Use:Copy
▲ Tray#1 Only
Tray#2 Only
▼ MP Only
Select ▲▼ & Set



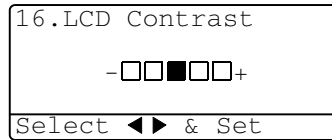
^{*1} Copies will automatically be printed from Tray #2 only if the Paper Size setting for Tray #2 is the same as Tray #1.

^{*2} When using the ADF, copies will automatically be printed from Tray #2 if the Paper Size setting for Tray #2 is different than Tray #1 and this paper size is more suitable for the scanned original.

Setting the LCD Contrast

You can change the contrast to help the LCD look lighter or darker.

- 1 (DCP-8040)
Press **Menu, 1, 5.**
(DCP-8045D)
Press **Menu, 1, 6.**



—OR—

If you have the optional Tray #2, press **Menu, 1, 6.**

- 2 Press  to increase the contrast.

—OR—

Press  to decrease the contrast.

Press **Set.**

- 3 Press **Stop/Exit.**

Printing the User Settings List

You can print a list of various settings.

- 1 (DCP-8040)
Press **Menu, 1, 8.**
(DCP-8045D)
Press **Menu, 1, 9.**

—OR—

If you have the optional Tray #2, press **Menu, 1, 9.**

- 2 Press **Start.**

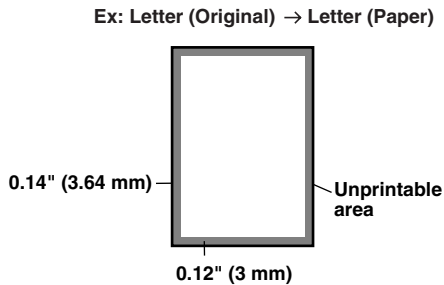
5 Making copies

Using the DCP as a copier

Your DCP can make up to 99 copies at a time.

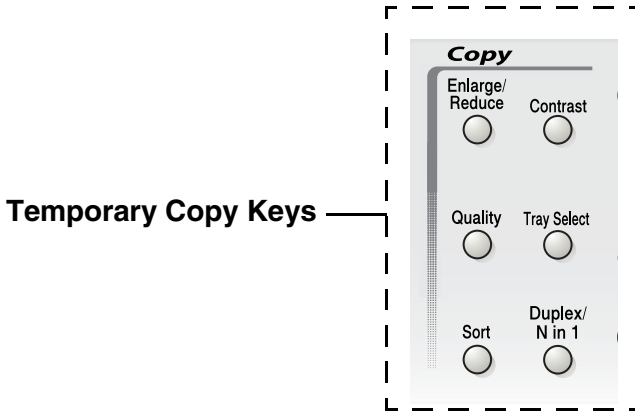
Printable area

The printable area of your DCP begins at approximately 0.14 in. (3.64 mm) on both sides and 0.12 in. (3 mm) on the top and bottom of the paper.



Temporary copy settings

You can improve your copies by using the temporary copy keys (**Copy**): **Enlarge/Reduce**, **Contrast**, **Quality**, **Tray Select**, **Sort** and **N in 1** (For DCP-8040) or **Duplex/N in 1** (For DCP-8045D). These settings are *temporary*, and the DCP returns to its default settings 1 minute after it finishes copying. If you want to use these temporary settings again, place the next original in the ADF or on the scanner glass within that time.



Making a single copy from the ADF

1 Place the original face up in the ADF.

2 Press **Start**.

Do **NOT** pull on the original while copying is in progress.



To stop copying and eject the original, press **Stop/Exit**.

Making multiple copies from the ADF

1 Insert the original face up in the ADF.

2 Use the Numeric keys to enter the number of copies you want (up to 99).

3 Press **Start**.

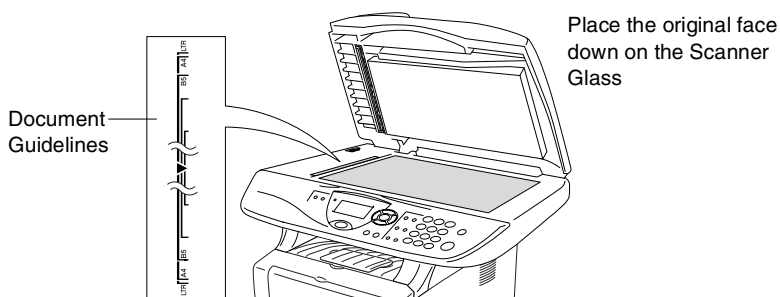


To sort the copies, press the **Sort** key.


Single or multiple copies using the scanner glass

You can make multiple copies using the scanner glass. Multiple copies will be stacked (all copies of page 1, then all copies of page 2, and so on). Use the Temporary Copy keys to choose more settings. (See *Using the copy keys (temporary settings)* on page 5-5.)

- 1 Lift the document cover.



- 2 Using the document guidelines on the left, center the original face down on the scanner glass and close the document cover.
- 3 Using the numeric keys, enter the number of copies you want (up to 99).
For example, press **3 8** for 38 copies.
- 4 Press **Start**.
The DCP will start scanning the original.


 If you want to sort multiple copies, use the ADF.
(See *Making a single copy from the ADF* on page 5-3.)

Out of Memory message

If the `Out of Memory` message appears, press **Stop/Exit** to cancel or **Start** to copy scanned pages.

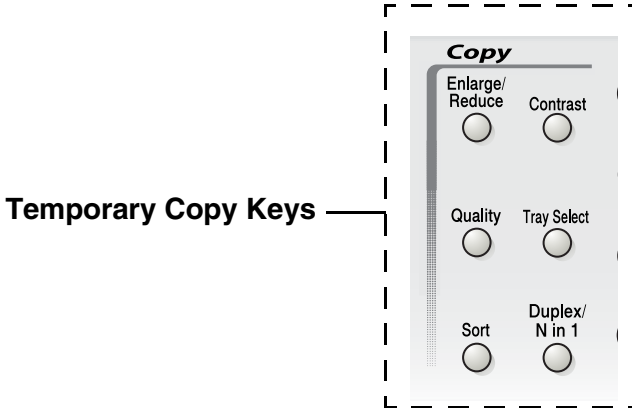
You will need to clear some jobs from the memory before you can continue.

<code>Out of Memory</code>
<code>Copy:Press Start</code>
<code>Quit:Press Stop</code>

 If this error message appears more than once you may wish to consider increasing the memory size. For more information on how to increase the memory size, see *Memory board* on page 8-1.

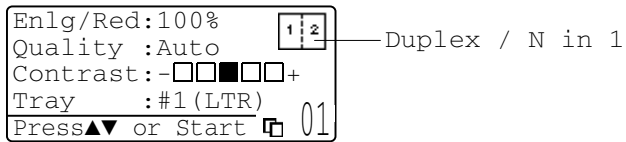
Using the copy keys (temporary settings)

When you want to change the settings only for the next copy, use the temporary copy keys.



Temporary Copy Keys

You can use different combinations. The large LCD shows your current copy mode settings.




Example of Copy mode LCD


Enlarge/Reduce


You can select the following enlargement or reduction ratios.

Auto sets the DCP to calculate the reduction ratio that fits the size of your paper.

Custom allows you to enter a ratio from 25% to 400%.



Press Enlarge/Reduce	
	100%
	104% (EXE → LTR)
	141% (A5 → A4)
	200%
	Auto
	Custom (25 - 400%)
	50%
	70% (A4 → A5)
	78% (LGL → LTR)
	83% (LGL → A4)
	85% (LTR → EXE)
	91% (Full Page)
	94% (A4 → LTR)
	97% (LTR → A4)

 **Auto** appears only when you place the document in the ADF.

- 1 Place the original face up in the ADF, or face down on the scanner glass.
- 2 Use the numeric keys to enter the number of copies you want (up to 99).
- 3 Press **Enlarge/Reduce**.
- 4 Press **Enlarge/Reduce** or .

Enlg/Red:100%
Quality :Auto
Contrast:- <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> +
Tray :#1 (LTR)

01

5 Press  or  to select the enlargement or reduction ratio you want.

Press **Set**.

—OR—

You can select *Custom* (25-400%) and press **Set**.

Use the numeric keys to enter an enlargement or reduction ratio from 25% to 400%.

Press **Set**.

(For example, press **5 3** to enter 53%.)

6 Press **Start**.

—OR—

Press other temporary copy keys for more settings.





■ Special Copy Options (2in1, 4in1 or Poster) are not available with **Enlarge/Reduce**.

■ *Auto* is not available with the scanner glass.

Quality (type of original)

You can select the Quality for your type of original. The default setting is **Auto**, which is used for originals that contain both text and photographs. **Text** is used for originals containing only text. **Photo** is used for copying photographs.

- 1** Place the original face up in the ADF, or face down on the scanner glass.
- 2** Use the numeric keys to enter the number of copies you want (up to 99).
- 3** Press **Quality**.
- 4** Press  or  to choose the type of original (**Auto**, **Text** or **Photo**).
Press **Set**.
- 5** Press **Start**.
—OR—
Press other Temporary Copy keys for more settings.



Sorting copies using the ADF

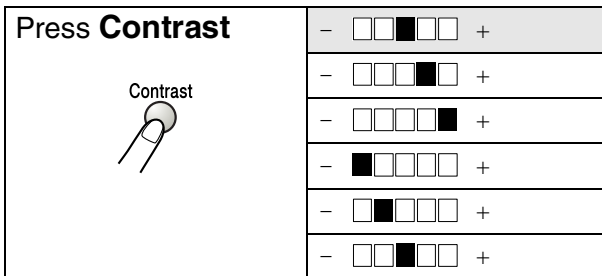
If you want to sort multiple copies, use the ADF. Pages will be printed in the order 123, 123, 123, and so on.

- 1** Place the original face up in the ADF.
- 2** Use the numeric keys to enter the number of copies you want (up to 99).
- 3** Press **Sort**.
- 4** Press **Start**.
—OR—
Press other Temporary Copy keys for more settings.

Contrast



You can adjust the copy contrast to make copies darker or lighter.

- 1 Place the original face up in the ADF, or face down on the scanner glass.
- 2 Use the numeric keys to enter the number of copies you want (up to 99).
- 3 Press **Contrast**.
- 4 Press  to make a copy lighter
—OR—
Press  to make a copy darker.
Press **Set**.
- 5 Press **Start**.
—OR—
Press other Temporary Copy keys for more settings.




Tray Select


You can change the tray use only for the next copy.

- 1** Place the original face up in the ADF, or face down on the scanner glass.
- 2** Use the numeric keys to enter the number of copies you want (up to 99).
- 3** Press **Tray Select**.
- 4** Press  or  to select the tray usage.
Press **Set**.
- 5** Press **Start**.
—OR—
Press other Temporary Copy keys for more settings.

(For DCP-8040 with the optional paper tray #2)

Press Tray Select Tray Select 	Auto
	#1 (XXX*)
	#2 (XXX*)

(For DCP-8045D with the optional paper tray #2)

Press Tray Select Tray Select 	Auto
	#1 (XXX*)
	#2 (XXX*)
	MP Tray


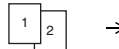

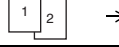


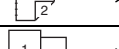

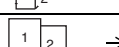


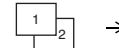
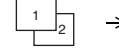


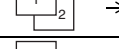
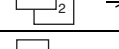
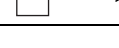

XXX* is the paper size you set in **Menu, 1, 2**.



For DCP-8040 the LCD displays the tray use selections only if the optional paper tray is installed.

Duplex/N in 1



'Duplex' prints on both sides of the paper.

Temporary Key	Level 1	Level 2	Option	Original → Finished Layout	
Press Duplex/N in 1 (DCP-8045D) N in 1 (DCP-8040) Duplex/ N in 1 	N in 1	—	2 in 1 (P)		
			2 in 1 (L)		
			4 in 1 (P)		
			4 in 1 (L)		
	Duplex(1 in 1) (DCP-8045D)	Portrait1	—	—	
				Portrait2	Single Sided
		Landscape1	—	Single Sided	
				Double Sided	
		Landscape2	—	—	
				—	
	Duplex(2 in 1) (DCP-8045D)	—	Portrait1		
			Portrait2		
			Landscape1		
			Landscape2		
	Duplex(4 in 1) (DCP-8045D)	—	Portrait1		
			Portrait2		
Landscape1					
Landscape2					
Poster	—	—			
Off	—	—	—		

Duplex/N in 1 copy

N in 1 copy

You can save paper by copying either two or four pages onto one page. Please make sure paper size is set to A4, Letter or Legal.



- 1 Place the original face up in the ADF, or face down on the scanner glass.
- 2 Use the numeric keys to enter the number of copies you want (up to 99).
- 3 Press **Duplex/N in 1**.
Press **Set** to select N in 1.
- 4 Press  or  to select 2 in 1 (P), 2 in 1 (L), 4 in 1 (P) or 4 in 1 (L).

Press **Set**.

- 5 If you are ready to copy, go to Step 7.

—OR—

Press  or  to select Quality, Contrast or Tray.

- 6 Press  or  to select a new setting.

Press **Set**.

- 7 Press **Start**.

If you are using the ADF, the DCP scans the originals and prints the copies.

—OR—

If you are using the scanner glass, the DCP scans the page. Place the next original on the scanner glass.

- 8 Select **1** and press **Set**, or press **1**, to copy next page.

- 9 Repeat Steps 7 and 8 for each page of the layout.

Enlg/Red:100%
Quality :Auto
Contrast:- <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> +
Tray :#1(LTR)
Press ▲ ▼ or Start 01

Flatbed Copy:
Next Page?
▲ 1.Yes
▼ 2.No
Select ▲▼ & Set

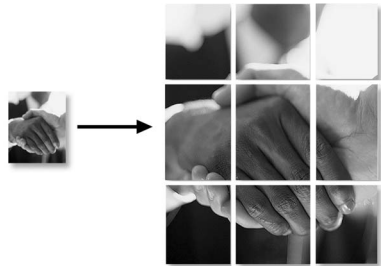
10 After all the pages of the original have been scanned, select **2** and press **Set**, or press **2**, to print the copies.





- (P) means Portrait and (L) means Landscape.
- You can also combine the **N in 1** and **Duplex** operations. (See *Duplex (2 in 1)* and *Duplex (4 in 1)* (For DCP-8045D) on page 5-16.)
- For **2 in 1 (P)**, **2 in 1 (L)**, **4 in 1 (P)** or **4 in 1 (L)**, you can not use the **Enlarge/Reduce** setting.

Poster

You can make a poster size copy of a photograph. You must use the scanner glass.



- 1** Place the original face down on the scanner glass.
- 2** Press **Duplex/N in 1** and  or  to select **Poster**. Press **Set**.
- 3** Press **Start**.

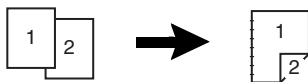
The DCP starts scanning the original and prints the pages for the poster.











For poster copies, you cannot make more than one copy or use the **Enlarge/Reduce** setting.

Duplex (1 in 1) (For DCP-8045D)

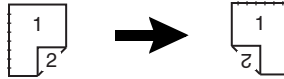
Making a double-sided copy from a single-sided original









- 1 Place the original face up in the ADF, or face down on the scanner glass.
- 2 Use the numeric keys to enter the number of copies you want (up to 99).
- 3 Press **Duplex/N in 1** and  or  to select Duplex(1 in 1).
Press **Set**.
- 4 Press  or  to select Portrait2 or Landscape1.
Press **Set**.
—OR—
Press  or  to select Portrait1 or Landscape2, and then go to Step 6.
- 5 Press  or  to select Single Sided for the original.
(If you are using the scanner glass or changed the number of copies at Step 2, this option will not appear.)
Press **Set**.
- 6 Press **Start**. The DCP starts scanning.
If you are using the ADF, the DCP starts printing the copy.
—OR—
If you placed the original on the scanner glass, go to Step 7.
- 7 Place the next original on the scanner glass.
Select **1** and press **Set** or press **1**.
Repeat Step 7 for each page of the original.
- 8 After all the pages of the original have been scanned, select **2** and press **Set**, or press **2**, to print the copy.





Flatbed Copy: Next Page? ▲ 1.Yes ▼ 2.No Select ▲▼ & Set

Making a double-sided copy from a double-sided original



- 1** Place the original face up in the ADF.
- 2** Press **Duplex/N in 1** and  or  to select Duplex(1 in 1).
Press **Set**.
- 3** Press  or  to select Portrait2 or Landscap1.
Press **Set**.
- 4** Press  or  to select Double Sided for the original.
Press **Set**.
- 5** Make sure that you have put the original in the ADF as shown on the LCD and press **Start**.
- 6** After all the pages of the original have been scanned on one side, turn over the original so the other side is face up in the ADF.
Press **Start**.

Duplex (2 in 1) and Duplex (4 in 1) (For DCP-8045D)

- 1 Place the original face up in the ADF, or face down on the scanner glass.
- 2 Use the numeric keys to enter the number of copies you want (up to 99).
- 3 Press **Duplex/N in 1** and  or  to select Duplex(2 in 1) or Duplex(4 in 1).
Press **Set**.
- 4 Press  or  to select Portrait1, Portrait2, Landscape1 or Landscape2.
Press **Set**.
- 5 Press **Start**. The DCP starts scanning.
If you are using the ADF, the DCP starts printing the copy.

—OR—

If you placed the original on the scanner glass, go to Step 6.

- 6 Place the next original on the scanner glass.
Select **1** and press **Set**, or press **1**.
Repeat Step 6 for each page of the original.

Flatbed Copy: Next Page? ▲ 1.Yes ▼ 2.No Select ▲▼ & Set



- 7 After all the pages of the original have been scanned, select **2** and press **Set**, or press **2**, to print the copy.

Changing the default copy settings

You can adjust the copy settings that are shown in the chart. These settings will stay until you change them again.

Submenu	Menu Selections	Options	Factory Settings
1.Quality	—	Text	Auto
		Photo	
		Auto	
2.Contrast	—	- ◻◻◻◻ + - ◻◻◻◻ + - ◻◻◻◻ + - ◻◻◻◻ + - ◻◻◻◻ +	- ◻◻◻◻ +



Quality

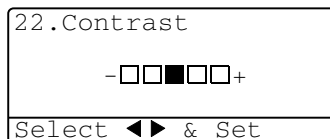
- 1 Press **Menu**, **2**, **1**.
- 2 Press  or  to select **Text**, **Photo** or **Auto**.
Press **Set**.
- 3 Press **Stop/Exit**.



Contrast

You can change the contrast to help an image look lighter or darker.

- 1 Press **Menu**, **2**, **2**.
- 2 Press  to make lighter.
—OR—
Press  to make darker.
Press **Set**.
- 3 Press **Stop/Exit**.



6

Important information

Federal Communications Commission (FCC) Declaration of Conformity (USA only)

Responsible Party: Brother International Corporation
100 Somerset Corporate Boulevard
Bridgewater, NJ 08807-0911 USA
TEL: (908) 704-1700

declares, that the products

Product Name: DCP-8040, DCP-8045D

comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Call the dealer or an experienced radio/TV technician for help.

 WARNING

- This DCP has been certified to comply with FCC standards, which are applied to the USA only. A grounded plug should be plugged into a grounded AC outlet after checking the rating of the local power supply for the DCP to operate properly and safely.
- For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

Important

Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

 WARNING

Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, special or consequential damages. There are no warranties extended or granted by this document.

Important – about the interface cable

A shielded interface cable should be used to ensure compliance with the limits for a Class B digital device.

Industry Canada Compliance Statement (Canada only)

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme
NMB-003 du Canada.

For your safety

To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively grounded through the standard wiring.

The fact that the equipment operates satisfactorily does not imply that the power is grounded and that the installation is completely safe. For your safety, if in any doubt about the effective grounding of the power, call a qualified electrician.

WARNING

This machine has a Class 3B Laser Diode which emits invisible laser radiation in the Scanner Unit. The Scanner Unit should not be opened under any circumstances.

International ENERGY STAR® Compliance Statement

The purpose of the International ENERGY STAR® Program is to promote the development and popularization of energy-efficient office equipment.

As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Laser safety

This equipment is certified as a Class I laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the equipment does not produce hazardous laser radiation.

Since radiation emitted inside the equipment is completely confined within protective housings and external covers, the laser beam cannot escape from the DCP during any phase of user operation.

FDA regulations

U.S. Food and Drug Administration (FDA) has implemented regulations for laser products manufactured on and after August 2, 1976. Compliance is mandatory for products marketed in the United States. The following label on the back of the DCP indicates compliance with the FDA regulations and must be attached to laser products marketed in the United States.

Manufactured:

BROTHER CORP. (ASIA) LTD.

BROTHER BUJI NAN LING FACTORY

Gold Garden Industry, Nan Ling Village, Buji, Rong Gang,
Shenzhen, China.

This product complies with FDA radiation performance standards,
21 CFR Subchapter J.



WARNING

Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous invisible radiation exposure.

⚠ WARNING

Changes or modifications not expressly approved by Brother Industries, Ltd. may void the user's authority to operate the equipment.

Internal laser radiation

Max. Radiation Power 5 mW

Wave Length 760 - 810 nm

Laser Class Class IIIb (Accordance with 21 CFR
Part 1040.10)

Important safety instructions

- 1** Read all of these instructions.
- 2** Save them for later reference.
- 3** Follow all warnings and instructions marked on the product.
- 4** Before cleaning, turn off the DCP's power switch and unplug the power cord from the wall outlet. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5** Do not use this product near water.
- 6** Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- 7** Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should never be placed in a built-in installation unless proper ventilation is provided.
- 8** This product should be operated from the type of power source indicated on the label. If you are not sure of the type of power available, call your dealer or local power company.
Use only the power cord supplied with this DCP.
- 9** This product is equipped with a 3-wire grounded plug, a plug having a third (grounded) pin. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounded plug.
- 10** Do not allow anything to rest on the power cord. Do not place this product where people can walk on the cord.
- 11** If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes (USA only).
- 12** Wait until pages have exited the DCP before picking them up.

13 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in the risk of fire or electric shock. Never spill liquid of any kind on the product. Do not attempt to service this product yourself because opening or removing covers may expose you to dangerous voltage points and other risks and may void your warranty. Refer all servicing to a Brother Authorized Service Center. For the location of your nearest Brother Authorized Service Center, please call:

In USA: 1-800-284-4357 or **In Canada:** 1-877-BROTHER.

(See *Brother numbers* on page i.)

14 Unplug this product from the wall outlet and refer servicing to a Brother Authorized Service Center under the following conditions:

- When the power cord is damaged or frayed.
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance, indicating a need for service.

15 To protect your product against power surges, we recommend the use of a power protection device (Surge Protector).

16 To reduce the risk of fire, electric shock and injury to persons, note the following:

- Do not use this product near appliances that use water, a swimming pool or in a wet basement.
- Use only the power cord indicated in this manual.

Trademarks

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Presto! PageManager is a registered trademark of NewSoft Technology Corporation.

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All other brand and product names mentioned in this User's Guide are registered trademarks of their respective companies.

7

Troubleshooting and routine maintenance

Troubleshooting

IMPORTANT

For technical help, you must call the country where you bought the DCP. Calls must be made **from within** that country.

Error messages

As with any sophisticated office product, errors may occur. If this happens, your DCP identifies the problem and displays an error message. The most common error messages are shown below.

You can correct most problems by yourself. If you need additional help, call the Brother fax back system (USA only).

In USA only: 1-800-521-2846

ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Change Drum Soon	The drum unit is near the end of its life.	Use the drum unit until you have a print quality problem; then replace the drum unit with a new one.
	The drum counter was not reset.	1. Open the front cover, and then press Clear/Back . 2. Press 1 to reset.
Check Original	The originals were not inserted or fed properly, or original scanned from ADF was longer than about 36 inches (90cm).	See <i>Original jams</i> .
Check Paper Check Paper #1 Check Paper #2	The DCP is out of paper or paper is not properly loaded in the paper tray. —OR— The paper is jammed in the DCP.	Refill the paper in the paper tray or MP tray. —OR— Remove the paper and load it again. See <i>Paper jams and Paper is jammed in the duplex tray (For DCP-8045D)</i> .
Check Paper MP	Paper in the MP tray runs out.	Reload paper. (See <i>To load paper or other media in the multi-purpose tray (MP tray) (For DCP-8045D)</i> .)
Check Paper Size	When you see this error, the paper in the paper tray does not match the paper size you set in Menu, 1, 2 .	Load the appropriate size paper or change the default Paper Size setting.

ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Check Scan Lock	The scanner lock is locked.	Release the scanner lock lever, and then press Stop/Exit .
Cooling Down Wait for a while	The temperature of the drum unit or toner cartridge is too hot. The DCP will pause its current print job and go in to cooling down mode. During the cooling down mode, you will hear the cooling fan running while the display on the DCP shows <i>Cooling Down</i> , and <i>Wait for a while</i> .	You must wait 20 minutes for it to cool.
Cover Open Pls Close Cover	The front cover was not completely closed.	Close the front cover for the drum unit.
DX Lever Error	The paper adjustment lever for duplex printing is not correctly set for the paper size.	Set the duplex lever to the correct position. (See <i>To use Automatic Duplexing for copy and print operations (For DCP-8045D)</i> .)
Face Up Open	The face-up output tray is open.	Please close the face-up out tray.
Fuser Open	The fuser cover is open.	Please close the jam clear cover. (See <i>Paper jams</i> .)
Machine Error XX	DCP has a mechanical problem.	Call Brother Customer Service and tell them the Machine Error number. In USA: 1-800-284-4329 In Canada: 1-877-BROTHER
No DX Tray	You tried to make duplex printing with duplex cover open.	Install the duplex tray correctly. (See <i>Paper is jammed in the duplex tray (For DCP-8045D)</i> .)
Out of Memory	You can't store data in the memory.	(Copy operation in process) Press Stop/Exit and wait until the other operations in process finish and then try again. —OR— Add an optional memory. (See <i>Memory board</i> .) (Printing operation in process) Reduce print resolution. (See <i>Print Quality</i> in Software User's Guide on the CD-ROM.) —OR— Add an optional memory. (See <i>Memory board</i> .)

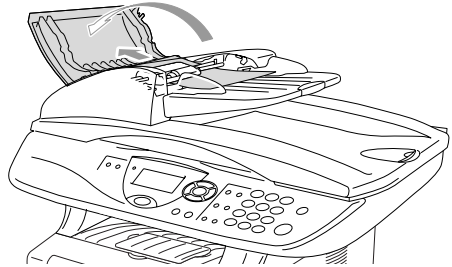
ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Pls Open Cover	A page, piece of paper or paper clip, etc. may be jammed inside the DCP.	Open the front cover. If you see any jammed paper or other item, gently pull it out, then close the front cover. If the error message remains, open and close the front cover again. If the DCP cannot reset itself and return to the copy setting prompt, it will display <i>Machine Error XX</i> . Please call Brother Customer Service and tell them the Machine Error number: In USA: 1-800-284-4329 In Canada: 1-877-BROTHER
Paper Jam	The paper is jammed in the DCP.	See <i>Paper jams</i> and <i>Paper is jammed in the duplex tray (For DCP-8045D)</i> .
Toner Empty	Toner cartridge is not installed. —OR— Toner is used up and printing is not possible.	Reinstall the toner cartridge. —OR— Replace the toner cartridge with a new one. (See <i>Replacing the toner cartridge</i> .)
Toner Low	If the LCD shows <i>Toner Low</i> , you can still print, however the DCP is telling you that the toner will soon run out.	Order a new toner cartridge now.

Original jams

Based upon where the original is jammed, follow the appropriate set of instructions to remove it.

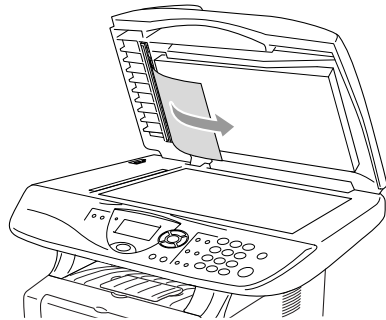
Original is jammed in the top of the ADF unit.

- 1 Take out any paper from the ADF that is not jammed.
- 2 Lift the ADF cover.
- 3 Pull the jammed original out to the right.
- 4 Close the ADF cover.
- 5 Press **Stop/Exit**.



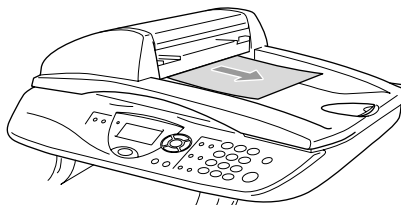
Original is jammed inside the ADF unit.

- 1 Take out any paper from the ADF that is not jammed.
- 2 Lift the document cover.
- 3 Pull the jammed original out to the right.
- 4 Close the document cover.
- 5 Press **Stop/Exit**.



—OR—

- 1 Take the ADF support out of the ADF unit.
- 2 Pull the jammed original out to the right.
- 3 Press **Stop/Exit**.

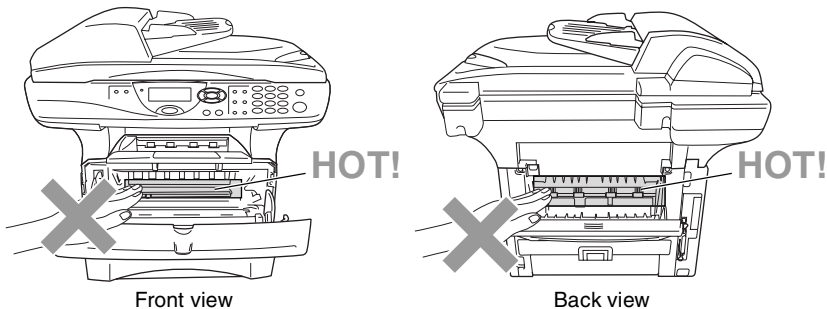


Paper jams

To clear paper jams, please follow the steps in this section.

WARNING

After you have just used the DCP, some parts inside the DCP are extremely hot. When you open the front cover or back output tray of the DCP, never touch the shaded parts shown in the following diagram.



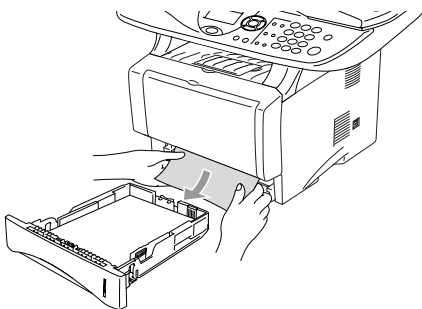
Clear the jammed paper as follows.

If the jammed paper is removed completely by using the information in the following steps, you can install the paper tray first, and then close the front cover and the DCP will resume printing automatically.



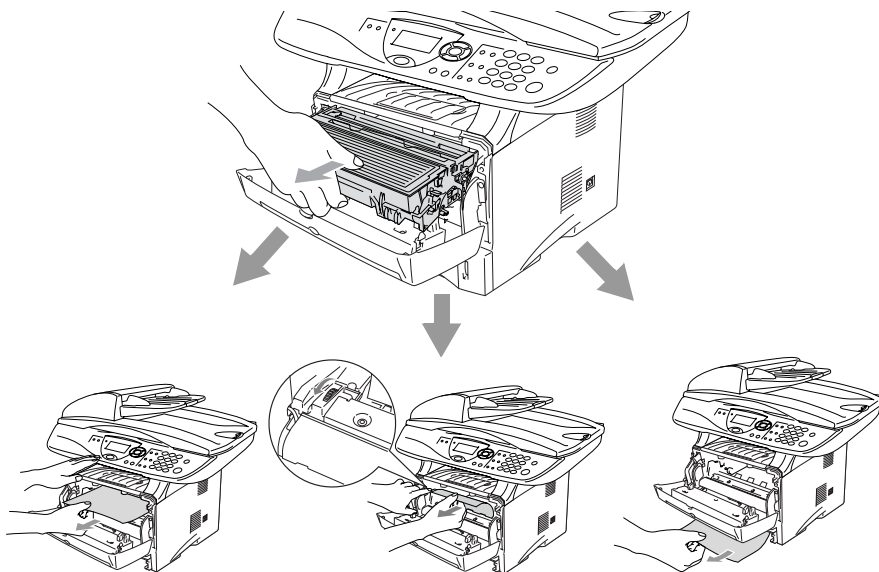
- If a paper jam occurs when using the optional lower tray unit, check for correct installation of the upper paper tray.
- Always remove all paper from the paper tray and straighten the stack when you add new paper. This helps prevent multiple sheets of paper from feeding through the DCP at one time and reduces paper jams.

- 1** Pull the paper tray completely out of the DCP.
- 2** Pull the jammed paper up and out of the DCP.



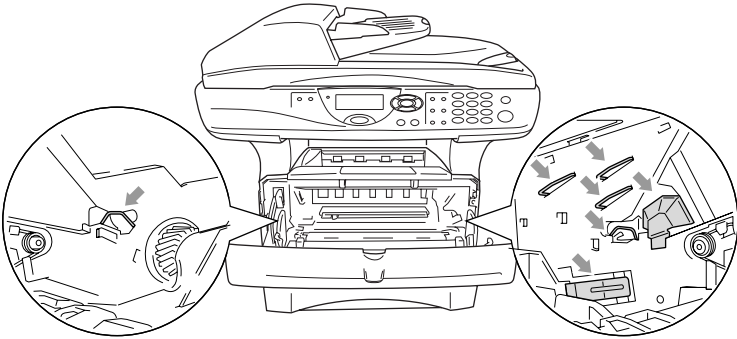
- 3** Press the cover release button and then open the front cover.
- 4** Pull out the drum unit assembly. Pull the jammed paper up and out of the DCP. If you cannot remove the drum unit assembly easily at this time, do not use extra force. Instead, pull the edge of the jammed paper from the paper tray.

If the jammed paper can not be pulled out easily, turn the jam dial towards you so that you gently pull the paper out.

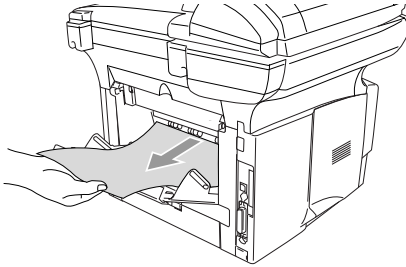



⚠ WARNING

To prevent damage to the DCP caused by static electricity, do not touch the electrodes shown in the following diagram.



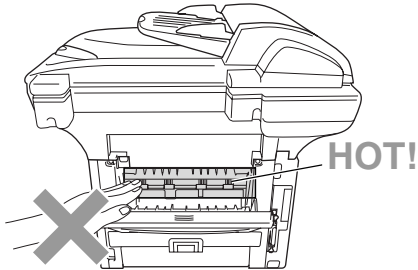
- 5** Open the back output tray. Pull the jammed paper out of the fuser unit. If the paper jam can be cleared, go to Step 7.



 If you have to pull the paper toward the back of the DCP, the fuser may get dirty with toner powder and it may scatter on the next printouts. Print a few copies of the test page until the scattering of toner stops.

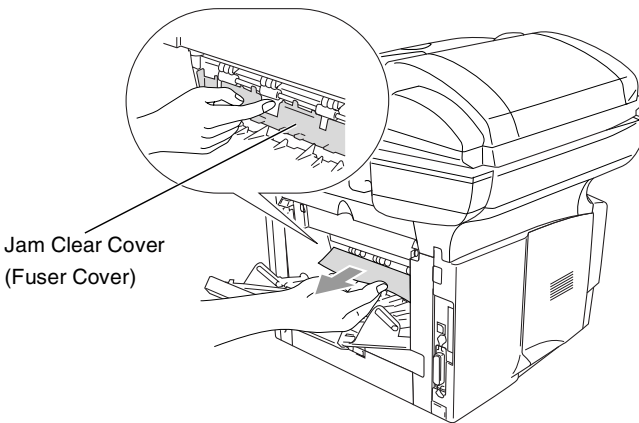
⚠ WARNING

After you have just used the DCP, some internal parts of the DCP are extremely **HOT!** Wait for the DCP to cool down before you touch the internal parts of the DCP.



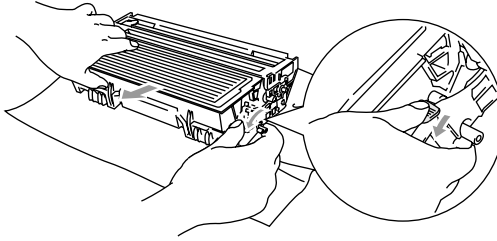
Back view

- 6 Open the jam clear cover (fuser cover). Pull the jammed paper out of the fuser unit.



- 7 Close the jam clear cover. Close the back output tray.

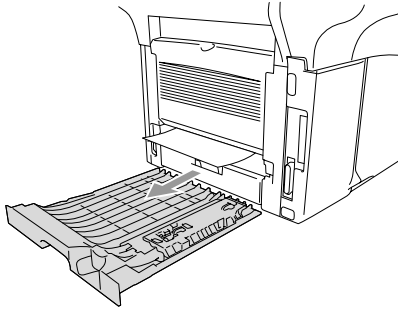
- 8** Push the lock lever down and take the toner cartridge out of the drum unit. Take out the jammed paper if there is any inside the drum unit. Then put the toner cartridge back in the drum unit.



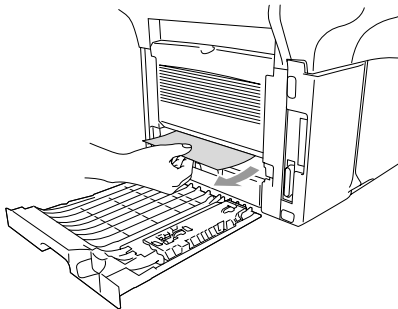
- 9** Put the drum unit assembly back in the DCP.
10 Put the paper tray in the DCP.
11 Close the front cover.

Paper is jammed in the duplex tray (For DCP-8045D)

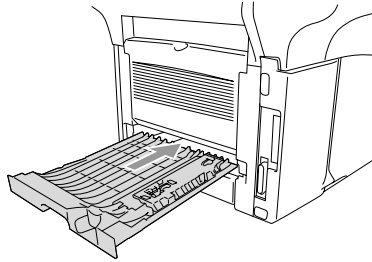
- 1** Pull the duplex tray and paper tray out of the DCP.



- 2** Pull the jammed paper out of the DCP.



3 Put the duplex tray and paper tray back into the DCP.



- The `Jam Duplex` message appears if you remove a sheet of paper from the Face Down Output Tray after only one side has printed.
- If the Paper Adjustment Lever for Duplex Printing is not set correctly for the paper size, paper jams may occur and the printing will be out of position on the page. (See *To use Automatic Duplexing for copy and print operations (For DCP-8045D)*.)

If you are having difficulty with your DCP

If the copy looks good, the problem is probably not your DCP. Check the chart below and follow the troubleshooting tips.







DIFFICULTY	SUGGESTIONS
Printing	
Condensed print and horizontal streaks or the top and bottom of sentences are cut off.	If the copy looks bad, clean the scanner area. If there is still problem, call Brother Customer Service at 1-800-284-4329 (in USA) or 1-877-BROTHER (in Canada) or your dealer for service.
Poor quality print.	See <i>Improving the print quality</i> .
Vertical black lines.	Your DCP's primary corona wire for printing may be dirty. Clean your primary corona wire (see <i>Cleaning the drum unit</i>). If the problem continues, call Brother Customer Service at 1-800-284-4329 (In USA) or 1-877-BROTHER (In Canada).
Copy Quality Difficulties	
Vertical streaks appear in copies.	Sometimes you may see vertical streaks on your copies. Either the scanner or the primary corona wire for printing is dirty. Clean them both. (See <i>Cleaning the scanner</i> and <i>Cleaning the drum unit</i> .)
Printer Difficulties	
The DCP does not print.	Check the following: <ul style="list-style-type: none"> • The DCP is plugged in and the power switch is turned On. (See Quick Setup Guide.) • The toner cartridge and drum unit are installed properly. (See <i>Replacing the drum unit</i>.) • The interface cable is securely connected between the DCP and computer. (See Quick Setup Guide.) • Check to see if LCD is showing an error message. (See <i>Error messages</i>.)
The DCP prints unexpectedly or it prints garbage.	Reset the DCP or turn it off and then on again. Check the primary settings in your application software to make sure it is set up to work with your DCP.
The DCP prints first couple of pages correctly, then some pages have text missing.	Your computer is not recognizing the printer's input buffer full signal. Please make sure to connect the DCP cable correctly.
The DCP cannot print full pages of a document. Out of Memory message occurs.	Reduce the printing resolution. Reduce the complexity of your document and try again. Reduce the graphic quality or the number of font sizes within your application software.
My headers or footers appear when I view my document on the screen but do not appear when I print them.	Most laser printers have a restricted area that will not accept print. Usually these are the first two lines and last two lines, leaves 62 printable lines. Adjust the top and bottom margins in your document to allow for this.
Scanning Difficulties	
TWAIN errors appear while scanning.	Make sure the Brother TWAIN driver is selected as the primary source. In PaperPort®, click Scan in the File menu and select the Brother TWAIN driver.

DIFFICULTY	SUGGESTIONS
Software Difficulties	
Cannot install software or print.	Run the MFC-Pro Suite Repair and Install program on the CD-ROM. This program will repair and reinstall the software.
Cannot perform '2 in 1 or 4 in 1' printing.	Check that the paper size setting in the application and in the printer driver are the same.
Cannot print when using Adobe Illustrator.	Try to reduce the print resolution.
When using ATM fonts, some characters are missing or some characters are printed in their place.	If you are using Windows® 98/98SE/Me, select 'Printer Settings' from the 'Start' menu. Select the properties of the 'Brother DCP-8040 or DCP-8045D (USB) Printer'. Click 'Spool Setting' on the 'Details' tab. Select 'RAW' from 'Spool Data Format.'
"Unable to write to LPT1" or "LPT1 already in use" Error Message appears.	<ol style="list-style-type: none"> 1. Make sure the DCP is on (plugged into the AC power outlet) and turned the power switch on, and that it is connected directly to the computer using a IEEE-1284 bi-directional parallel cable. The cable must not go through another peripheral device (such as a Zip Drive, External CD-ROM Drive, or Switch box). 2. Make sure the DCP is not displaying an error message on the LCD Display. 3. Make sure no other device drivers, which also communicate through the parallel port, are running automatically when you boot up the computer (such as, drivers for Zip Drives, External CD-ROM Drive, etc.) Suggested areas to check: (<i>Load=, Run=command lines in the win.ini file or the Statup Group</i>) 4. Check with you computer manufacturer to confirm that the computer's parallel port settings in the BIOS are set to support a bi-directional machine; i.e. (Parallel Port Mode – ECP)
"MFC is Busy" Error Message appears.	
"MFC Connect Failure"	If the DCP is not connected to your PC and you have loaded the Brother software, the PC will show 'MFC Connect Failure' each time you restart Windows®. You can ignore this message or you can turn it off as follows. Double-click "\tool\WarnOFF.REG" from the supplied CD-ROM. The Scan key on the DCP's control panel will not work unless you restart your PC with the DCP connected. To turn it back on, Double-click "\tool\WarnON.REG" from the supplied CD-ROM.
Paper Handling Difficulties	
The DCP does not load paper. The LCD shows Check Paper or Paper Jam.	Check to see if the <i>Check Paper</i> or <i>Paper Jam</i> message appears on the LCD. If it is empty, load a new stack of paper into the paper tray. If there is paper in the paper tray, make sure it is straight. If the paper is curled, you should straighten it. Sometimes it is helpful to remove the paper, turn the stack over and put it back into the paper tray. Reduce the amount of paper in the paper tray, and then try again. Check that the manual feed mode or MP tray or MP mode is not selected in the printer driver.
The DCP does not feed paper from the manual feed tray.	Reinsert the paper firmly, load one sheet at a time. Make sure that manual feed mode or MP mode is selected in the printer driver.
How can I load envelopes?	You can load envelopes from the manual feed or MP tray. Your application software must be set up to print the envelope size you are using. This is usually done in the Page Setup or Document Setup menu of your software. Refer to your software application manual.
What paper can I use?	You can use plain paper, envelopes, transparencies and labels that are made for laser machines. (For information on paper you can use, see <i>Printer operation keys</i> in Software User's Guide on the CD-ROM.)
How can I clear paper jams?	See <i>Paper jams</i> .

DIFFICULTY	SUGGESTIONS
Print Quality Difficulties	
Printed pages are curled.	Thin or thick paper below the standard can cause this problem. Make sure you select the Paper Type that suits the media type you use. (See <i>Setting the Paper Type</i> and <i>Media Type</i> in Software User's Guide on the CD-ROM.)
Printed pages are smeared.	The Paper Type setting may be incorrect for the type of print media you are using— OR —The print media may be too thick or have a rough surface. (See <i>Setting the Paper Type</i> and <i>Media Type</i> in Software User's Guide on the CD-ROM.)
Printouts are too light.	Set Toner Save mode to off in the Advance tab in the printer driver. (See <i>Toner Save</i> in Software User's Guide on the CD-ROM.)
Network Difficulties	
I cannot print over the Network	Make sure that your DCP is powered on and is On Line and in Ready mode. Press the Test switch. Then the current settings of the NC-9100h are printed. Verify that the cabling and Network connections are good. If possible, try connecting the DCP to a different port on your hub using a different cable. Check to see if there is any LED activity. The NC-9100h has a two color LED for diagnosing problems.

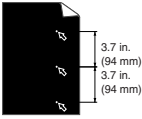
Improving the print quality

This section provides information on the following topics:

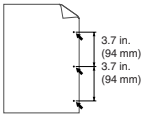
Examples of poor print quality	Recommendation
 <p>Faint</p>	<p>Check the printer's environment. Conditions such as humidity, high temperatures, and so on may cause this print fault. (See <i>Choosing a location</i> on page x.)</p> <p>If the whole page is too light, Toner Save mode may be on. Turn off Toner Save mode in the printer Properties tab of the driver.</p> <p>—OR—</p> <p>If your DCP is not connected to a computer, turn off Toner Save mode in the DCP itself. (See <i>Toner Save</i>.)</p> <p>Try installing a new toner cartridge. (See <i>Replacing the toner cartridge</i>.)</p> <p>Try installing a new drum unit. (See <i>Replacing the drum unit</i>.)</p>
 <p>Gray background</p>	<p>Make sure that you use paper that meets the recommended specifications. (See <i>About paper</i>.)</p> <p>Check the printer's environment - high temperatures and high humidity can increase the amount of background shading. (See <i>Choosing a location</i> on page x.)</p> <p>Use a new toner cartridge. (See <i>Replacing the toner cartridge</i>.)</p> <p>Use a new drum unit. (See <i>Replacing the drum unit</i>.)</p>
 <p>Ghost</p>	<p>Make sure you use paper that meets our specifications. Rough-surfaced paper or thick print media may cause this problem.</p> <p>Make sure that you choose the appropriate media type in the printer driver. (See <i>About paper</i>.)</p> <p>Try using a new drum unit. (See <i>Replacing the drum unit</i>.)</p>
 <p>Toner specks</p>	<p>Make sure that you use paper that meets our specifications. Rough-surfaced paper may cause the problem. (See <i>About paper</i>.)</p> <p>The drum unit may be damaged. Put in a new drum unit. (See <i>Replacing the drum unit</i>.)</p>
 <p>Hollow print</p>	<p>Make sure that you use paper that meets our specifications. (See <i>About paper</i>.)</p> <p>Choose Thick paper mode in the printer driver, or use thinner paper than you are currently using.</p> <p>Check the printer's environment because conditions such as high humidity can cause hollow print. (See <i>Choosing a location</i> on page x.)</p>
 <p>All black</p>	<p>You may clear the problem by cleaning the primary corona wire inside the drum unit by sliding the blue tab. Make sure you return the blue tab to the home position (▲). (See <i>Cleaning the drum unit</i>.)</p> <p>The drum unit may be damaged. Put in a new drum unit. (See <i>Replacing the drum unit</i>.)</p>

Examples of poor print quality

Recommendation



White Spots on black text and graphics at 3.7 in. (94 mm) intervals

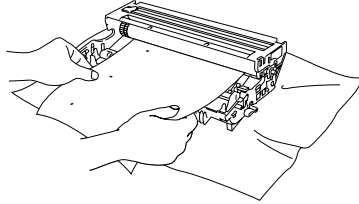


Black Spots at 3.7 in. (94 mm) intervals

If the problem is not solved after printing a few pages, the drum unit may have glue from label stock on the OPC drum surface.

Clean the drum unit as follows:

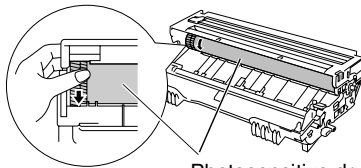
- 1 Position the print sample in front of the drum unit, and find the exact position of the poor print.



- 2 Turn the drum unit gear by hand while looking at the surface of the OPC drum.

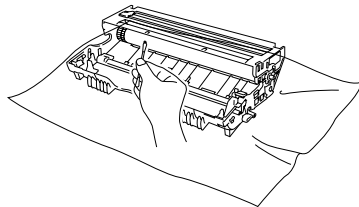
! Caution

Do not touch the photosensitive drum with your fingers.



Photosensitive drum

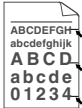





- 3 When you have located the mark on the drum that matches the print sample, wipe the surface of the OPC drum with a cotton swab until the dust or paper powder on the surface comes off.





! Caution

Do not try to clean the surface of the photosensitive drum with a sharp object, such as a ball-point pen, and so on.

The drum unit may be damaged. Put in a new drum unit. (See *Replacing the drum unit.*)

Examples of poor print quality	Recommendation
 <p>Black toner marks across the page</p>	<p>The drum unit may be damaged. Put in a new drum unit. (See <i>Replacing the drum unit.</i>)</p> <p>Make sure that you use paper that meets our specifications. (See <i>About paper.</i>)</p> <p>If you use label sheets for laser printers, the glue from the sheets may sometimes stick to the OPC drum surface. Clean the drum unit. (See <i>Cleaning the drum unit.</i>)</p> <p>Do not use paper that has clips or staples because they will scratch the surface of the drum.</p> <p>If the unpacked drum unit is in direct sunlight or room light, the unit may be damaged.</p>
 <p>White lines across the page</p>	<p>Make sure that you use paper that meets our specifications. A rough surfaced paper or thick print media can cause the problem.</p> <p>Make sure that you select the appropriate media type in the printer driver.</p> <p>The problem may disappear by itself. Try printing multiple pages to clear this problem, especially if the printer has not been used for a long time.</p> <p>The drum unit may be damaged. Put in a new drum unit. (See <i>Replacing the drum unit.</i>)</p>
 <p>Lines across the page</p>	<p>Clean the inside of the printer and the primary corona wire in the drum unit. (See <i>Cleaning the drum unit.</i>)</p> <p>The drum unit may be damaged. Put in a new drum unit. (See <i>Replacing the drum unit.</i>)</p>
 <p>Black lines down the page</p> <p>Printed pages have toner stains down the page.</p>	<p>Clean the primary corona wire of the drum unit.</p> <p>Make sure the primary corona wire cleaner is at the home position (▲).</p> <p>The drum unit may be damaged. Install a new drum unit. (See <i>Replacing the drum unit.</i>)</p> <p>The toner cartridge may be damaged. Put in a new toner cartridge. (See <i>Replacing the toner cartridge.</i>) Make sure that a torn piece of paper is not inside the printer covering the scanner window.</p> <p>The fixing unit may be smudged. Call Customer Service.</p>
 <p>White lines down the page</p>	<p>You may clear the problem by wiping the scanner window with a soft cloth. (See <i>Cleaning the printer.</i>)</p> <p>The toner cartridge may be damaged. Put in a new toner cartridge. (See <i>Replacing the toner cartridge.</i>)</p>
 <p>Page skewed</p>	<p>Make sure the paper or other print media is loaded properly in the paper tray and that the guides are not too tight or too loose against the paper stack.</p> <p>Set the paper guides correctly.</p> <p>If you are using the manual feed tray (or the multi-purpose tray). (See <i>How to load paper.</i>)</p> <p>The paper tray may be too full.</p> <p>Check the paper type and quality. (See <i>About paper.</i>)</p>

Examples of poor print quality	Recommendation
 <p data-bbox="169 293 284 312">Curl or wave</p>	<p data-bbox="371 169 956 212">Check the paper type and quality. High temperatures and high humidity will cause paper to curl.</p> <p data-bbox="371 217 956 300">If you don't use the printer very often, the paper may have been in the paper tray too long. Turn over the stack of paper in the paper tray. Also, try fanning the paper stack and then rotating the paper 180° in the paper tray.</p> <p data-bbox="371 304 938 347">Try printing using the straight-through output path. (See <i>How to load paper.</i>)</p>
 <p data-bbox="138 485 315 504">Wrinkles or creases</p>	<p data-bbox="371 360 706 384">Make sure that paper is loaded properly.</p> <p data-bbox="371 389 815 413">Check the paper type and quality. (See <i>About paper.</i>)</p> <p data-bbox="371 418 938 461">Try printing using the straight-through output path. (See <i>How to load paper.</i>)</p> <p data-bbox="371 466 956 509">Turn over the stack of paper in the tray or try rotating the paper 180° in the input tray.</p>



The drum unit is a consumable item and it is necessary to replace it periodically.

Packing and shipping the DCP

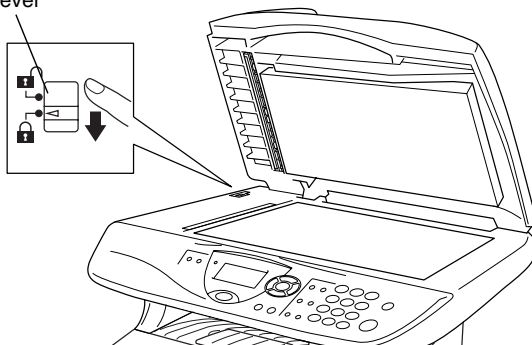
Whenever you transport the DCP, use the packing materials that came with your machine. If you do not pack the DCP correctly, you may void your warranty.

- 1 Turn the DCP power switch off.
- 2 Unplug the DCP from the AC outlet.

Lock the Scanner Lock

- 3 Push the Scanner Lock Lever up to lock the scanner. This lever is located on the left of the scanner glass.

Scanner Lock Lever

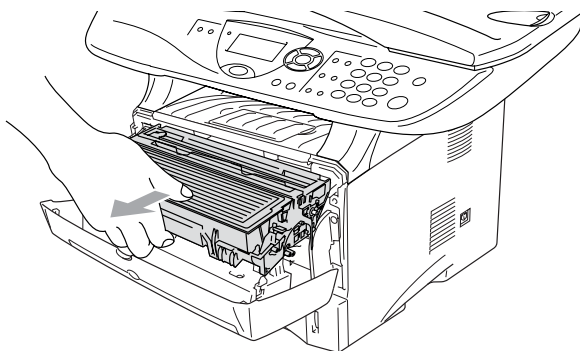


Caution

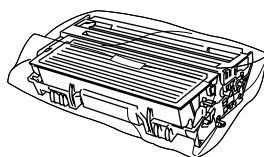
Damage caused to your DCP by failure to lock the scanner before moving and shipping may void your warranty.

- 4 Open the front cover.

- 5** Remove the drum unit and toner cartridge assembly. Leave the toner cartridge installed in the drum unit.

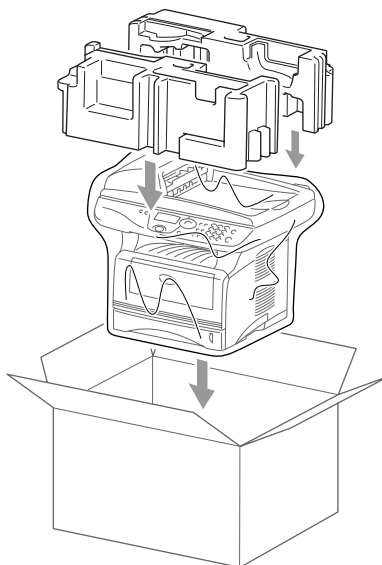
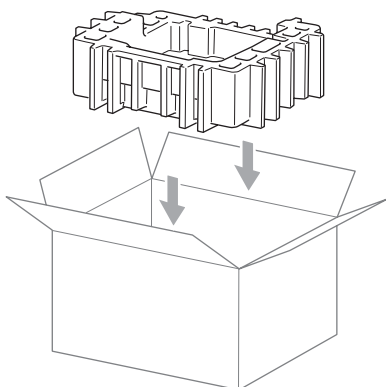


- 6** Place the drum unit and toner cartridge assembly into the plastic bag and seal the bag.

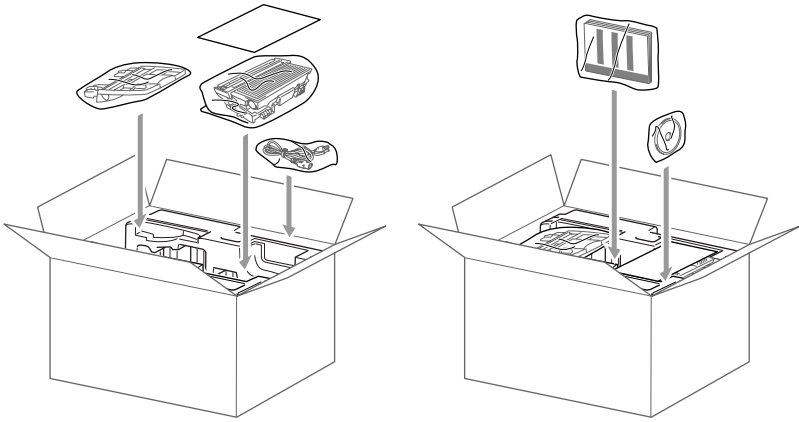



- 7** Close the front cover. Fold down the face-down output tray flap.

- 8** Wrap the DCP in the plastic bag and place it in the original carton with the original packing material.



- 9** Pack the drum unit and toner cartridge assembly, AC cord and printed materials in the original carton as shown below:



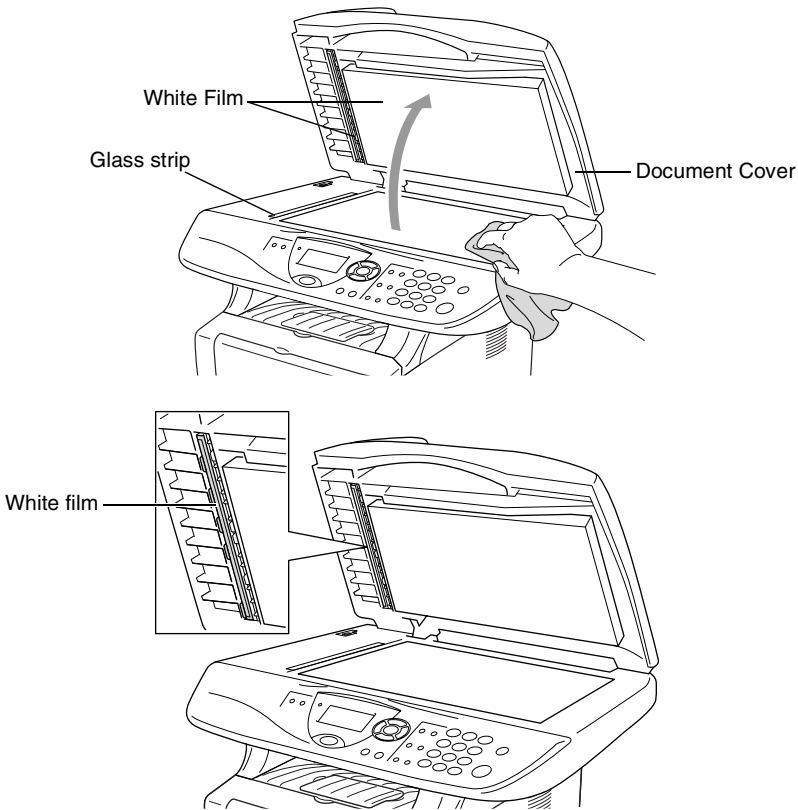
-  If you are returning the DCP to Brother as part of the Exchange Service, pack *only* the DCP. Keep all separate parts to use with your 'Exchange' machine.

- 10** Close the carton and tape it shut.

Routine maintenance

Cleaning the scanner

Turn the DCP power switch off and lift the document cover. Clean the scanner glass and glass strip with dry cloth and the white film with isopropyl alcohol on a lint free cloth.



If the screen *still* displays a scanner error, call Brother Customer Service for assistance at 1-800-284-4329 (in USA) or 1-877-BROTHER (in Canada).

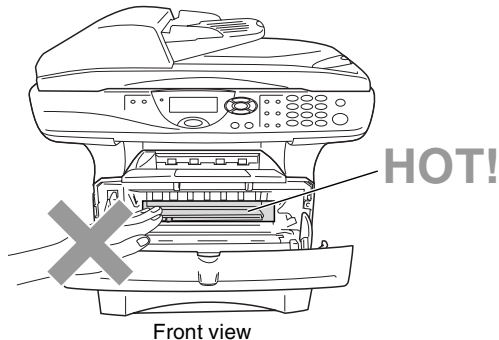
Cleaning the printer

! Caution

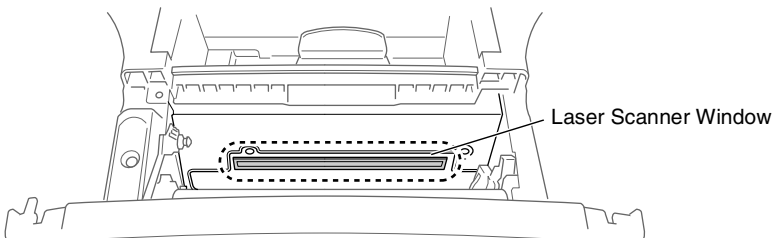
- Do *not* use isopropyl alcohol to remove dirt from the control panel. It may crack the panel.
 - Do *not* use isopropyl alcohol to clean the laser scanner window.
 - Do *not* touch the scanner window with your finger.
 - The drum unit contains toner, so handle it carefully. If toner scatters and your hands or clothes get dirty, immediately wipe or wash it off with cold water.
- 1 Turn the DCP power switch off and open the front cover.
 - 2 Remove the drum unit and toner cartridge assembly.

! WARNING

Just after you have used the DCP, some internal parts of the machine are extremely **HOT!** When you open the front cover of the DCP, never touch the shaded parts shown in the diagram below.



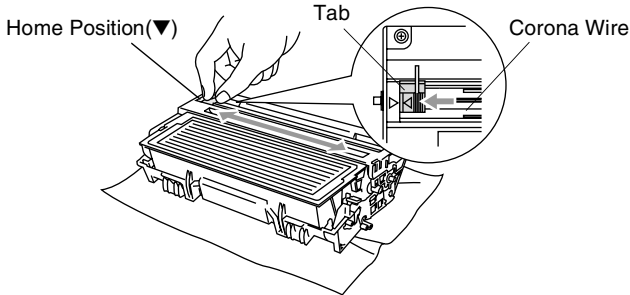
- 3 Gently clean the scanner window by wiping it with a clean soft dry cloth. Do *not* use isopropyl alcohol.



Cleaning the drum unit

We recommend placing the drum unit and toner cartridge assembly on a cloth or large disposable paper to avoid spilling and scattering toner.

- 1 Clean the primary corona wire inside the drum unit by gently sliding the blue tab from right to left several times.
- 2 Return the blue tab and snap it into the Home position (▼).



! Caution

If the blue tab is not at Home position (▼), printed pages may have vertical stripes.

- 3 Reinstall the drum unit and toner cartridge assembly into the DCP. (See *Replacing the drum unit.*)
- 4 Close the front cover.
- 5 Plug in the power cord.

Replacing the toner cartridge

The DCP can print *up to* 6,700 pages using a *high yield* toner cartridge. When the toner cartridge is running low, the LCD shows `Toner Low`. The DCP is supplied with a *standard* toner cartridge that must be replaced after approximately 3,500 pages. Actual page count will vary depending on your average type of original (i.e., standard letter, detailed graphics).



It is a good idea to keep a new toner cartridge ready for use when you see the `Toner Low` warning.

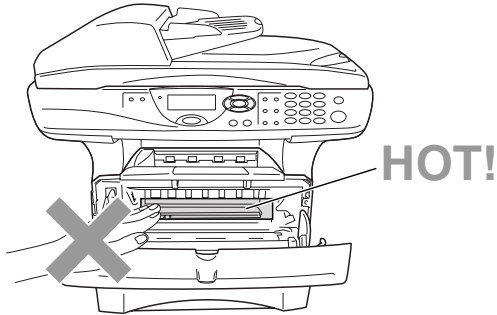
Discard the used toner cartridge according to local regulations, keeping it separate from domestic waste. Be sure to seal the toner cartridge tightly so toner powder does not spill out of the cartridge. If you have questions, call your local waste disposal office.

We recommend that you clean the DCP when you replace the toner cartridge.

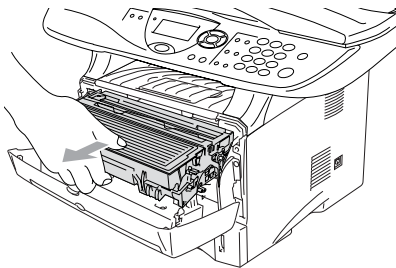
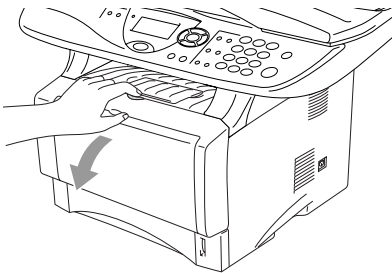
How to replace the toner cartridge

WARNING

Just after you use the DCP, some internal parts of the machine will be extremely **HOT!** So, never touch the shaded parts shown in the illustration.

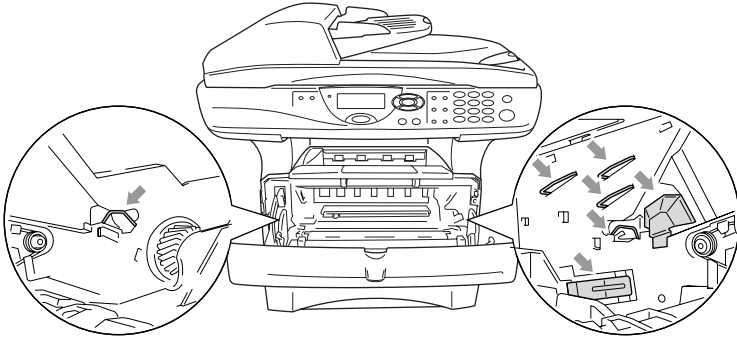


- 1 Open the front cover and pull out the drum unit.

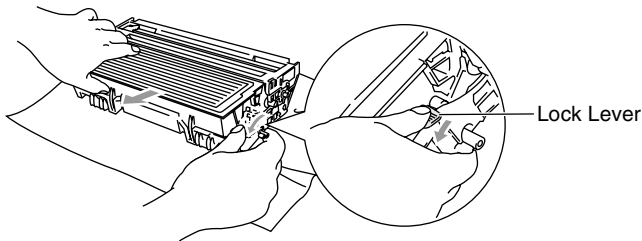


! Caution

- Place the drum unit on a drop cloth or large piece of disposable paper to avoid spilling and scattering the toner.
- To prevent damage to the DCP from static electricity, do not touch the electrodes shown below.



- 2** Hold down the lock lever on the right and pull the toner cartridge out of the drum unit.



! Caution

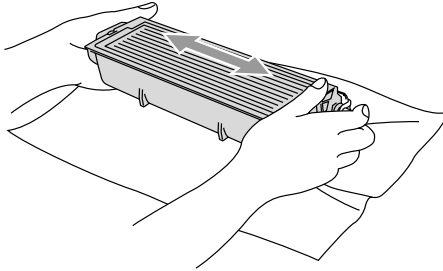
Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe it off or wash it with cold water.

- 3 Unpack the new toner cartridge. Place the used toner cartridge into the aluminum bag and discard it according to local regulations.

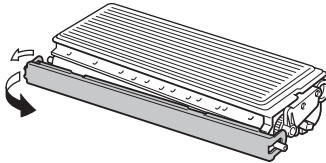
 **Caution**

- Wait to unpack the toner cartridge until immediately before you install it in the DCP. If a toner cartridge is left unpacked for a long period of time, the toner life is shortened.
- Brother strongly recommends that you do not refill the toner cartridge provided with your DCP. We also strongly recommend that you continue to use only Genuine Brother Brand replacement toner cartridges. (TN-540 and TN-570). Using or attempting to use potentially incompatible toner and/or toner cartridges in your DCP may cause damage to the machine itself and/or it may result in unsatisfactory print quality. Our warranty coverage does not apply to any problem that was caused by the use of unauthorized third party toner and toner cartridges. To protect your investment and guarantee your print quality please continue to replace consumed toner cartridges with only Genuine Brother Branded Supplies.

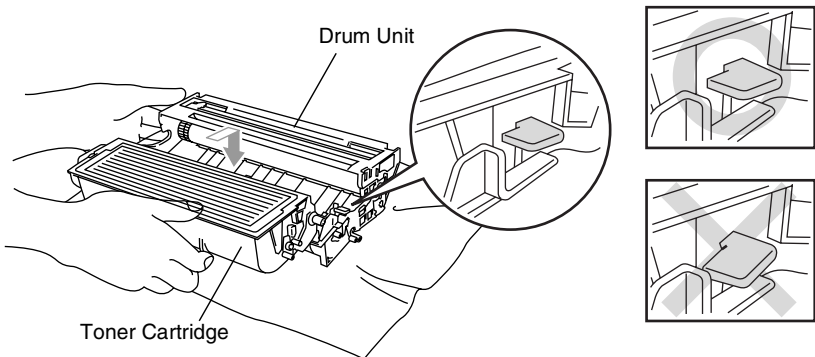
- 4** Gently rock the toner cartridge from side to side five or six times to distribute the toner evenly inside the cartridge.



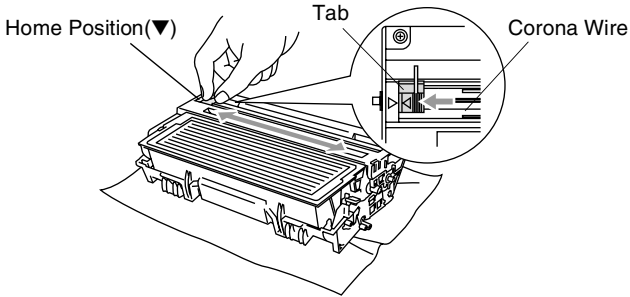
- 5** Remove the protective cover.



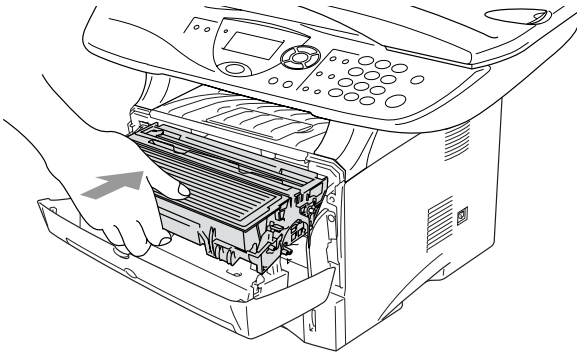
- 6** Insert the new toner cartridge in the drum unit until it clicks into place. If you put it in properly, the lock lever will lift automatically.



- 7** Clean the primary corona wire inside the drum unit by gently sliding the blue tab from right to left several times. Return the blue tab to the Home position (▼) before reinstalling the drum unit and toner cartridge assembly.



- 8** Reinstall the drum unit and toner cartridge assembly and close the front cover.



Replacing the drum unit

The DCP uses a drum unit to create print images on paper. If the LCD shows *Change Drum Soon*, the drum unit is near the end of its life and it is time to purchase a new one.

Even if the LCD shows *Change Drum Soon*, you may be able to continue printing without having to replace the drum unit for a while. However, if there is a noticeable deterioration in the output print quality (even before *Change Drum Soon* appears), then the drum unit should be replaced. You should clean the DCP when you replace the drum unit. (See *Cleaning the drum unit*.)



Caution

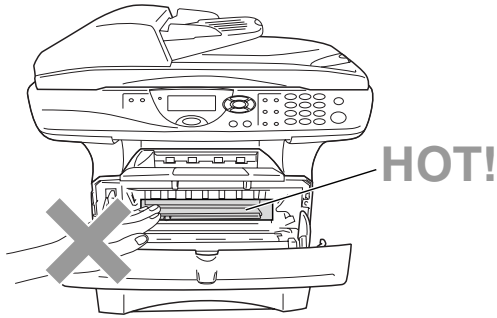
When removing the drum unit, handle it carefully because it contains toner. If toner scatters and your hands or clothes get dirty, immediately wipe or wash with cold water.



The drum unit is a consumable item, and it is necessary to replace it periodically. There are many factors that determine the actual drum life, such as temperature, humidity, type of paper and how much toner you use for the number of pages per print job. The estimated drum life is *up to* 20,000 pages. The actual number of pages your drum will print may be significantly less than these estimates. Because we have no control over the many factors that determine the actual drum life, we cannot guarantee a minimum number of pages that will be printed by your drum.

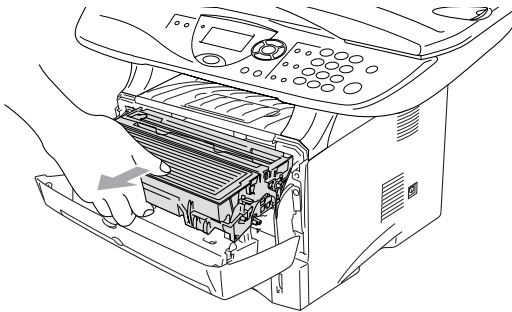
⚠ WARNING

Just after you have used the DCP, some internal parts of the DCP are extremely **HOT!** So please be careful.



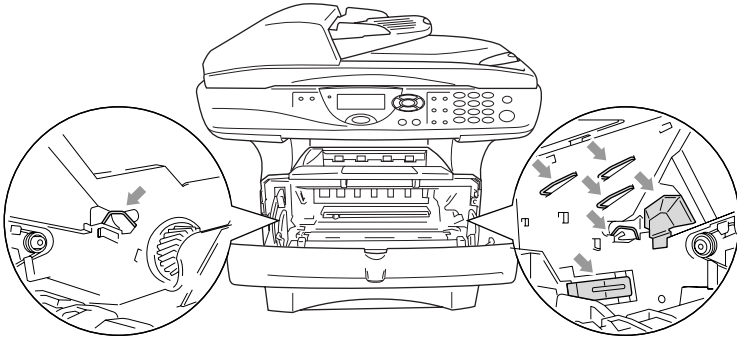
Follow these steps to replace the drum unit:

- 1** Press the cover release button and then open the front cover.
- 2** Remove the old drum unit and toner cartridge assembly. Place it on a drop cloth or disposable paper to avoid scattering toner.

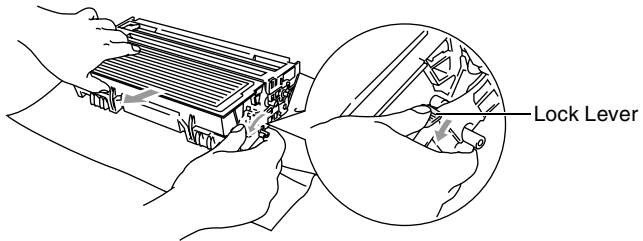



! Caution

To prevent damage to the printer from static electricity, do not touch the electrodes shown below.

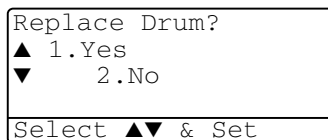


- 3** Hold down the lock lever on the right and pull the toner cartridge out of the drum unit. (See *Replacing the toner cartridge*.)



 Discard the used drum unit according to local regulations, keeping it separate from domestic waste. Be sure to seal the drum unit tightly so toner powder does not spill out of the unit. If you have questions, call your local waste disposal office.

- 4 Wait to unpack the new drum unit until immediately before installing it. Place the old drum unit into the plastic bag and discard it according to local regulations.
- 5 Reinstall the toner cartridge into the new drum unit.
(See *Replacing the toner cartridge.*)
- 6 Reinstall the new drum unit, keeping the front cover *open*.
- 7 Press **Clear/Back**.
- 8 Press **1** and when the LCD shows Accepted, and close the front cover.



! **Caution**

If toner scatters and your hands or clothes get dirty, immediately wipe off or wash with cold water.

Checking the drum life

You can see the percentage of the drum's life that remains available.

- 1 (DCP-8040)
Press **Menu, 1, 6.**

—OR—

If you have the optional tray #2,
press **Menu, 1, 7.**

(DCP-8045D)

Press **Menu, 1, 7.**

- 2 For five seconds, the LCD shows the available percentage of drum life.



Even if the remaining drum life is 0%, you may continue to use the drum unit until you have a print quality problem.

17. Drum Life
Remaining:100%

Page Counter

You can see number of total pages, copy pages, print pages and List (total list print) pages that your DCP has printed.

- 1 (DCP-8040)
Press **Menu, 1, 7.**

—OR—

If you have the optional tray #2,
press **Menu, 1, 8.**

(DCP-8045D)

Press **Menu, 1, 8.**

- 2 The LCD shows number of pages for **Total** and **Copy**.

Press  to see **Print** and **List**.

- 3 Press **Stop/Exit**.

18. Page Counter
▲ Total :123456
▼ Copy :120002

8

Optional accessories

Memory board

The memory board is installed on the main controller board inside the DCP. When you add the optional memory board, it increases the performance for both copier and printer operations.

Model Name	Optional Memory
DCP-8040 (32 MB Standard Memory)	32MB TECHWORKS 12457-0001
DCP-8045D (32 MB Standard Memory)	64MB TECHWORKS 12458-0001
	128MB TECHWORKS 12459-0001

In general, the DIMM must have the following specifications:

Type:	100 pin and 32 bit output
CAS Latency:	2 or 3
Clock Frequency:	100MHz or more
Capacity:	32, 64, 128 MB
Height:	1.4 inches (35 mm) or less
Parity:	NONE
DRAM Type:	SDRAM 4 Bank

Some DIMMs might not work with this DCP. For the latest information from Brother visit:

<http://solutions.brother.com>

Installing the optional memory board

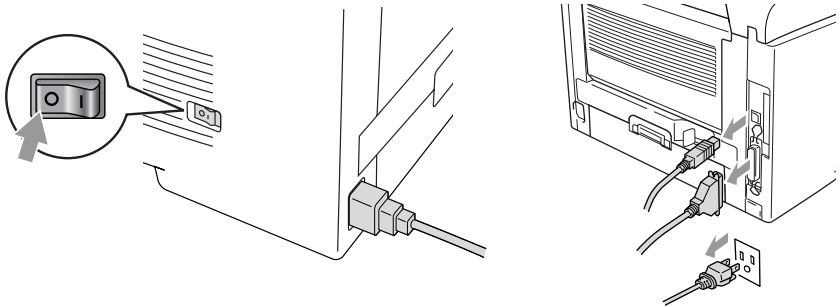
WARNING

- DO NOT touch the surface of the main board within 15 minutes after turning off the power.

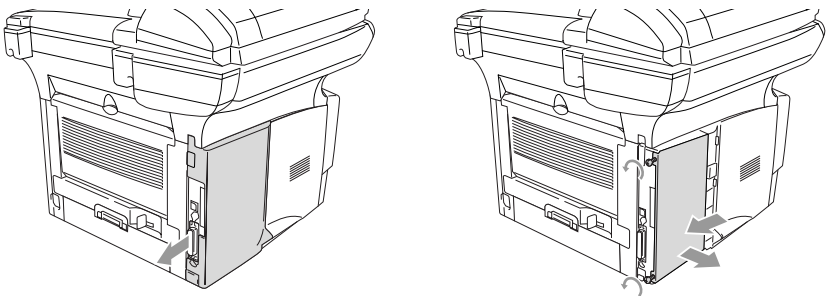
- 1 Turn the DCP power switch off, unplug the DCP power cord from the AC outlet, and then disconnect the interface cable.

WARNING

Turn the DCP power switch off, before installing (or removing) the memory board.



- 2 Remove the side cover. Loosen the two screws, and then remove the metal shield plate.

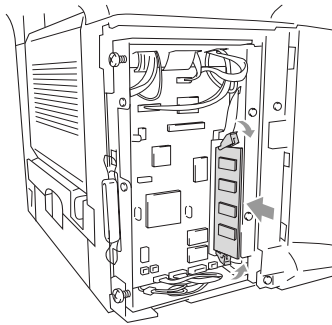


- 3 Unpack the DIMM and hold it by the edges.

⚠ WARNING

DIMM boards can be damaged by even a small amount of static electricity. Do not touch the memory chips or the board surface. Wear an antistatic wrist strap when you install or remove the board. If you do not have an antistatic wrist strap, frequently touch the bare metal on the printer.

- 4 Hold the DIMM with your fingers on the side edges and your thumb on the back edge. Line up the notches on the DIMM with the DIMM slot. (Check that the locks on each side of the DIMM slot are open or facing outwards.)



- 5 Press the DIMM straight into the slot (press firmly). Make sure the locks on each side of the DIMM click into place. (To remove a DIMM, you must release the locks.)
- 6 Put the metal plate back on and secure the metal plate with the two screws.
- 7 Put the side cover back on.

- 8 Reconnect any additional interface cables that you removed.
- 9 Reconnect the power cable and then turn on the DCP power switch.



- To check that you have installed the DIMM correctly, print the printer settings by using the selection in the driver and check the printout to make sure it shows the additional memory.
- You can check the current memory size to press **Menu, 1, 8** (DCP-8040) or **Menu, 1, 9** (DCP-8045D).



WARNING

If the Status LED turns Red for a Service Error, please call Brother Customer Service at: 1-800-284-4329 (in USA) or 1-877-BROTHER (in Canada).

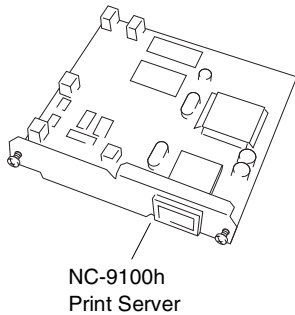
Network (LAN) board

When you add the optional Network (LAN) Board (NC-9100h), you can connect your DCP into the network to use the Network Scanner, Network Printer and Network Management operations.

⚠ WARNING

DO NOT touch the surface of the main board within 15 minutes after turning off the power.

For more details about how to configure the Network board, please see the NC-9100h Network User's Guide on the CD-ROM supplied with the DCP.



Before starting installation

Be careful when handling the NC-9100h. There are many delicate electronic components that are susceptible to damage from static electricity. To avoid such damage, use the following precautions when handling the board.

- Leave the NC-9100h in its anti-static bag until you are ready to install it.
- Make sure that you are adequately grounded before touching the NC-9100h. Use an anti-static wrist strap and a grounding mat if possible. If you do not have an anti-static wrist strap, touch the bare metal surface on the back of the machine before handling the NC-9100h.
- Avoid moving around the work area in order to eliminate static charge build-up.
- If possible, do not work on a carpeted area.
- Do not flex the board and do not touch the components on the card.

Tools Required:

Phillips Screwdriver 

Step 1: Hardware installation

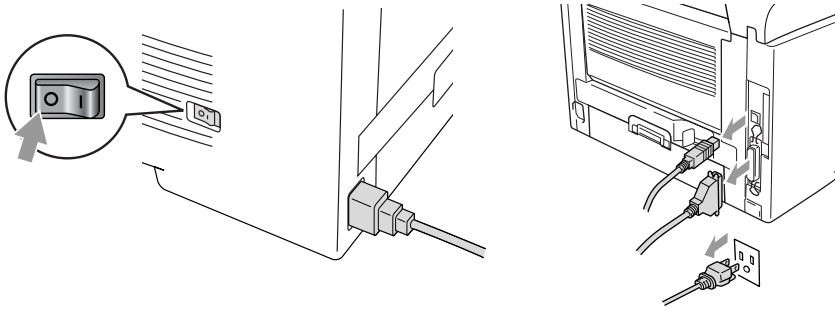
WARNING

DO NOT touch the surface of the main boards within 15 minutes after turning off the power.

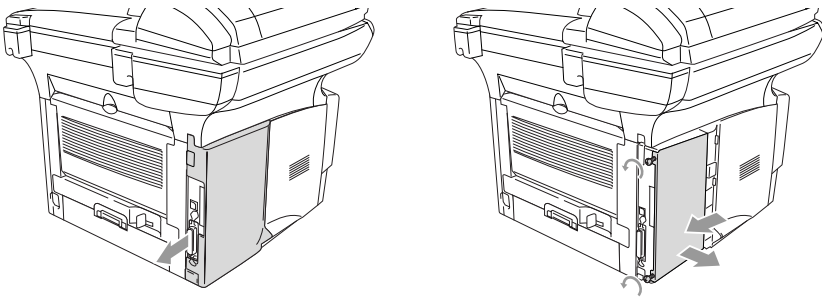
- 1 Turn the DCP power switch off, unplug the DCP power cord from the AC outlet, and then disconnect the interface cable.

⚠ WARNING

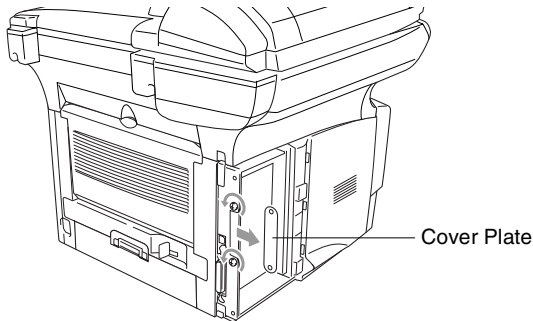
Turn the DCP power switch off, before installing (or removing) the NC-9100h board.



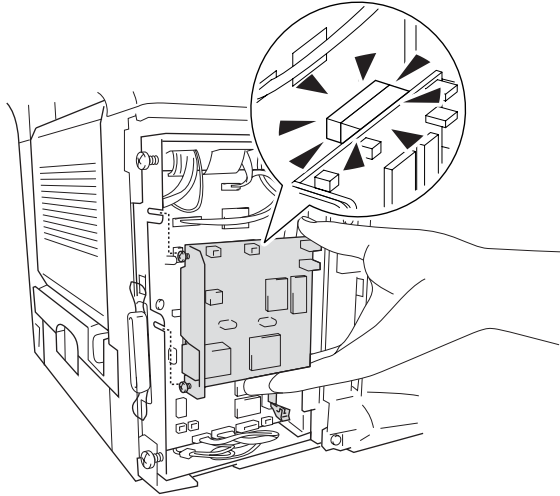
- 2** Remove the side cover. Loosen the two screws, and then remove the metal shield plate.



- 3** Loosen the two screws, and then remove the metal cover plate.



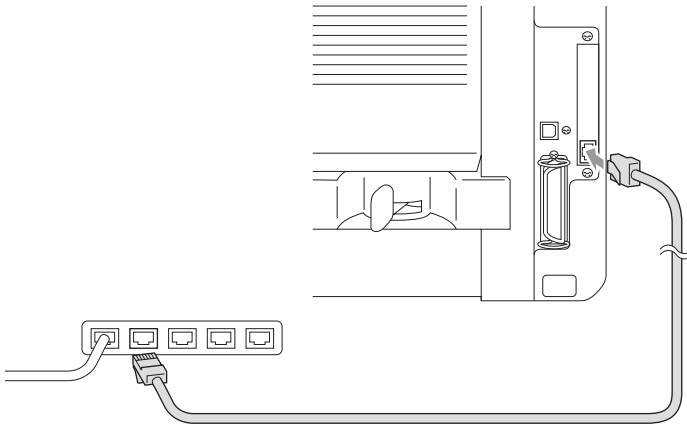
- 4 Plug the NC-9100h into connector P1 located on the main board as shown in the illustration (press firmly) and secure the NC-9100h with the two screws.



- 5 Put the metal shield plate back on and secure it with the two screws.
- 6 Put the side cover back on.
- 7 Reconnect any additional interface cables that you removed.
- 8 Reconnect the power cable and then turn on the DCP power switch.
- 9 Press the Test switch and print a network configuration page. (See *TEST SWITCH* on page 8-10.)

Step 2: Connecting the NC-9100h to an Unshielded Twisted Pair 10BASE-T or 100BASE-TX Ethernet Network

To connect the NC-9100h to a 10BASE-T or 100BASE-TX Network, you must have an Unshielded Twist Pair Cable. One side of the cable must be connected to a free port on your Ethernet hub and the other side must be connected to the 10BASE-T or 100BASE-TX connector (an RJ45 Connector) of the NC-9100h.



Verifying successful hardware Installation:

Plug in the AC power cord. After initialization and warm-up (this may take several seconds), the DCP will come to a Ready state.

LED

No light:

If both of the two LEDs are off, then the print server is not connected to the network.

Link/Speed LED is orange: Fast Ethernet

This Link/Speed LED will be orange if the print server is connected to a 100BASETX Fast Ethernet network.

Link/Speed LED is green: 10 BASE T Ethernet

This Link/Speed LED will be green if the print server is connected to a 10 BASE T Ethernet.

Active LED is yellow:

The Active LED will blink if the print server is receiving or transmitting data.

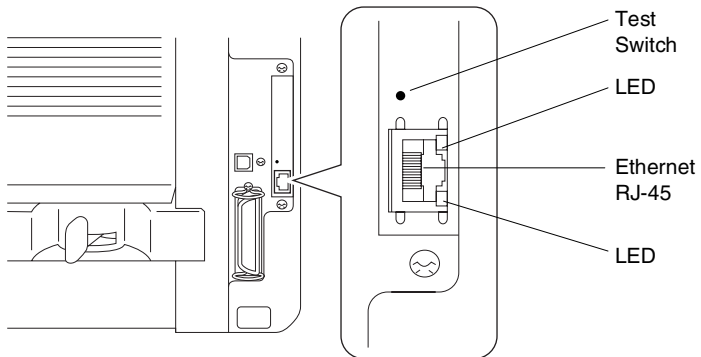


If there is a valid connection to the network, the LED will blink orange or green.

TEST SWITCH

Short push: Prints the network configuration page.

Long push (more than 5 seconds): Reset the network configuration back to the default settings.



To set up the DCP on the Network, see the *NC-9100h Network User's Guide* on the CD-ROM.

Paper Tray #2

You can purchase the Paper Tray #2 accessory (LT-5000) to use as a third paper source. Tray #2 holds up to 250 sheets of 20 lb (80 g/m²) paper.

Paper Tray #2:	Holds approx. 250 sheets of 20 lb (80 g/m ²) Letter/A4 paper
Basis Weight:	16 to 28 lb (60 to 105 g/m ²)
Moisture Content:	4% to 6% by weight
We Recommend:	Xerox 4200DP 20 lb
Cut sheet:	Hammermill Laser Paper 24 lb

G Glossary

ADF (Automatic Document Feeder) The original can be placed in the ADF and scanned one page at a time automatically.

Beeper Volume Volume setting for the beep when you press a key or make an error.

Contrast Setting to compensate for dark or light originals, by making copies of dark originals lighter and light originals darker.

Drum Unit A printing device for the DCP.

Gray scale The shades of gray available for copying photographs.

LCD (liquid crystal display) The display screen on the DCP that shows interactive messages during On-Screen Programming.

Menu mode Programming mode for changing your DCP's settings.

MFL-Pro Suite Turns your DCP into a printer and a scanner using the DCP.

OCR (optical character recognition) The bundled ScanSoft® OmniPage® software application converts an image of text to text you can edit.

Photo mode A resolution setting that uses varying shades of gray for the best representation of photographs.

Scanning The process of sending an electronic image of a paper document into your computer.

Toner cartridge An accessory that holds toner for the drum unit on Brother laser models.

Toner Save A process that causes less toner to be affixed to the page to extend the life of the toner assembly. This will make the printing document significantly lighter.

True Type fonts The fonts that are used in the Windows® operating systems. If you install the Brother True Type fonts, more types of fonts will be available for Windows® applications.

User Settings A printed report that shows the current settings of your DCP.

S Specifications

Product description

The DCP-8040 and DCP-8045D are **3 in 1** Multi-Function Centers: Printer, Copier and Color Scanner. The DCP-8045D includes Duplex Printing.

General

Memory Capacity	32 MB
Optional Memory	1 DIMM slot; Memory expandable up to 160 MB
Automatic Document Feeder (ADF)	Up to 50 pages Temperature: 68°F - 86°F (20°C - 30°C) Humidity: 50% - 70% Paper: 20 lb or 75 g/m ² Letter size
Paper Tray	250 Sheets (20 lb/80 g/m ²)
Manual Feed Tray	Single sheet (20 lb/80 g/m ²) (DCP-8040 only)
Multi-Purpose Tray	Up to 50 Sheets (20 lb/80 g/m ²) (DCP-8045D only)
Printer Type	Laser
Print Method	Electrophotography by semiconductor laser beam scanning
LCD (Liquid Crystal Display)	22 characters × 5 lines
Warm-up	Max. 18 seconds at 73.4°F (23°C)
Power Source	120V AC 50/60Hz (USA, Canadian Version Only)
Power Consumption	Average Operating (Copying): 450W or less (25°C) Peak: 1090W or less Sleep: 14W or less 16W or less (When Network LAN board (NC-9100h) is installed.) Standby: 85W or less (25°C)
Dimensions	21.28 x 17.76 x 18.76 (in.) 532 × 444 × 469 (mm)

General (continued)

Weight	Without Drum/Toner Unit: DCP-8040: 36.6 lb/16.6 kg DCP-8045D: 39.9 lb/18.1 kg
Noise	Operating: 53 dB A or less Standby: 30 dB A or less
Temperature	Operating: 50 - 90.5°F (10 - 32.5°C) Storage: 32 - 104°F (0 - 40°C)
Humidity	Operating: 20 to 80% (without condensation) Storage: 10 to 90% (without condensation)

Print media

Paper Input

Paper Tray

- Paper type:
Plain paper, recycled paper and transparencies, envelopes (Manual Feed/Multi-purpose Tray)
- Paper size:
A4, Letter, Legal, B5 (ISO), B5 (JIS), Executive, A5, A6, B6 (ISO)
Weight: 16 - 28 lb (60 - 105 g/m²) (Paper Tray)
For more details, see *Paper specifications for each paper tray* on page 2-4.
- Maximum paper tray capacity: Approx. 250 sheets of 20 lb (80 g/m²) plain paper
- Maximum multi-purpose tray capacity: Approx. 50 sheets of 20 lb (80 g/m²) plain paper (DCP-8045D only)

Manual Feed Tray/Multi-Purpose Tray

- Paper size:
Width: 2.75 - 8.66" (69.8 - 220.0 mm)
Height: 4.60 - 16.00" (116.0 - 406.4 mm)
Weight: 16 - 43 lb (60 - 161 g/m²)

Paper Output

Up to 150 sheets of plain paper (Face down print delivery to the output paper support)

Copy

Color/Monochrome	Monochrome
Copy Speed	Up to 21 copies/minute (Letter paper) Up to 20 copies/minute (A4 paper)
Multiple Copies	Stacks or Sorts up to 99 pages
Enlarge/Reduce	25% to 400% (in increments of 1%)
Resolution	Max. 1200 x 600 dpi

Scanner

Color/Monochrome	Color/Monochrome
TWAIN Compliant	Yes (Windows® 98/98SE/Me/2000 Professional and Windows NT® Workstation Version 4.0) Mac OS® 8.6 - 9.2/Mac OS® X 10.2.1 or greater
WIA Compliant	Yes (Windows® XP)
Resolution	Up to 9,600 × 9,600 dpi (interpolated)* Up to 600 × 2,400 dpi (optical) <small>* Maximum 1200 x 1200 dpi scanning with Windows® XP (resolution up to 9600 x 9600 dpi can be selected by using the Brother scanner utility)</small>
Document Size	ADF Width: 5.8" to 8.5" (148 mm to 216 mm) ADF Height: 5.8" to 14.0" (148 mm to 356 mm) Scanner Glass Width: Max. 8.5" (216 mm) Scanner Glass Height: Max. 14.0" (356 mm)
Scanning Width	8.35 inches (212 mm)
Gray Scale	256 levels



- Scanning directly to a networked PC is available with Windows® 98/98SE/Me/2000 Professional and XP.
- Mac OS® X scanning is supported in Mac OS® X 10.2.1 or greater.

Printer

Emulation	PCL6 (Brother Printing System for Windows® emulation mode of HP LaserJet) and BR-Script (PostScript®) Level 3
Printer Driver	Windows® 98/98SE/Me/2000 Professional/XP and Windows NT® Workstation Version 4.0 driver supporting Brother Native Compression mode and bi-directional capability Apple® Macintosh® QuickDraw® Driver and PostScript (PPD) for Mac OS® 8.6 - 9.2/Mac OS® X 10.1/10.2.1 or greater
Resolution	HQ1200 (Max. 2400 × 600 dots/inch)
Print Quality	Normal printing mode Economy printing mode (saves toner usage)
Print Speed	Up to 21 copies/minute (Letter paper) Up to 20 copies/minute (A4 paper) (when loading paper from paper tray)
Duplex Printing	Up to 9 pages/minute: (DCP-8045D only) (9 sides per minute, 4.5 sheets per minute)
First Print	Up to 12 seconds (using letter size paper in paper tray)

Interfaces

Interface	Recommended Cable
Parallel	A bi-directional shielded parallel cable that is IEEE 1284 compliant and not longer than 6 feet (2 m).
USB	A Hi-Speed USB 2.0 cable that is not longer than 6 feet (2 m).



- Please make sure that you use a Hi-Speed USB 2.0 certified cable if your computer uses a Hi-Speed USB 2.0 interface.
- Even if your computer has a USB 1.1 interface you can connect the DCP.

Computer requirements

Minimum System Requirements						
Computer Platform & Operating System Version		Processor Minimum Speed	Minimum RAM	Recommended RAM	Available Hard Disk Space	
					for Drivers	for Applications ^{*2}
Windows ^{®*1} Operating System	98, 98SE	Pentium II or equivalent	32 MB	64 MB	90 MB	130 MB
	Me					
	NT [®] Workstation 4.0		64 MB	128 MB		
	2000 Professional					
	XP	128 MB	256 MB	150 MB	220 MB	
Apple [®] Macintosh [®] Operating System	Mac OS [®] 8.6 - 9.2 (Printing, Scanning and PC-FAX Send Only)	All base models meet minimum Requirements		64 MB	80 MB	200 MB
	Mac OS [®] X 10.1/10.2.1 or greater (Printing, Scanning ^{*3} and PC-FAX Send Only)		128 MB	160 MB		
NOTE: All registered trademarks referenced herein are the property of their respective companies.						
For the latest drivers, go to the Brother Solutions Center at http://solutions.brother.com/						

*1 Microsoft[®] Internet Explorer 5 or greater.

*2 Application Software is different for Windows[®] and Macintosh[®].

*3 Scanning is supported in 10.2.1 or greater.

Consumable items

Toner Cartridge Life Expectancy

TN-540:
Standard Toner Cartridge - Up to 3,500*
pages

TN-570:
High Yield Toner Cartridge - Up to 6,700* pages
* (when printing letter size or A4 paper at 5% print coverage)



Toner life expectancy will vary depending upon the type of average print job.

Drum Unit Life Expectancy

DR-510:
Up to 20,000 pages/drum unit



There are many factors that determine the actual drum life, such as temperature, humidity, type of paper, toner you use and number of pages per print job.

Network (LAN) board (NC-9100h)

DCP-8040 (Option) DCP-8045D (Option)

When you add the optional Network (LAN) Board (NC-9100h), you can connect your DCP into the network to use the Network Scanner, Network Printer and Network Management software operations for small workgroups.

Support for:

Windows® 98/Me/NT® 4.0/2000/XP
Novell NetWare 3.X, 4.X, 5.X
Mac OS® 8.6 - 9.2, X 10.1/10.2.1 or greater
Ethernet 10/100 BASE-TX Auto Negotiation
TCP/IP, IPX/SPX, AppleTalk, DLC/LLC, NetBIOS
RARP, BOOTP, DHCP, APIPA, WINS
LPR/LPD, Port9100, SMTP/POP3
SMB (NetBIOS/ IP), IPP, SSDP
mDNS, FTP
SNMP, MIBII as well as Brother private MIB
TELNET, HTTP, TFTP

Included Utilities:

BRAdmin Professional and Web Based Management



- Scanning directly to a networked PC is not supported in Windows NT® and Mac OS®.
- BRAdmin Professional is not supported in Mac OS®.

Optional External Wireless Print/Scan Server (NC-2200w)

NC-2200w External Wireless Print/Scan Server (Optional)

Network types

Support for

Protocols

Connecting the optional External Wireless Print/Scan Server (NC-2200w) to your MFC will allow you to print and scan over a wireless network.

IEEE802.11b wireless LAN

Windows® 98/98SE/Me/2000/XP and Windows NT®
Mac OS® X 10.2.4 or greater

TCP/IP

ARP, RARP, BOOTP, DHCP, APIPA (Auto IP),
WINS/NetBIOS, DNS, LPR/LPD, Port9100,
SMB Print, IPP, RawPort, mDNS,
TELNET, SNMP, HTTP



- Scanning directly to a networked PC is not supported in Windows NT® and Mac OS®.
- You can assign the scan key to one networked computer only.

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EQUIPMENT ATTACHMENT LIMITATIONS (Canada only)

NOTICE

This product meets the applicable Industry Canada technical specifications.

NOTICE

The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

brother®

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**Visit us on the World Wide Web
<http://www.brother.com>**

These machines are made for use in the USA and Canada only. We cannot recommend using them overseas because the power requirements of your Digital Copier/Printer may not be compatible with the power available in foreign countries. **Using USA or Canada models overseas is at your own risk and may void your warranty.**

USA/CAN