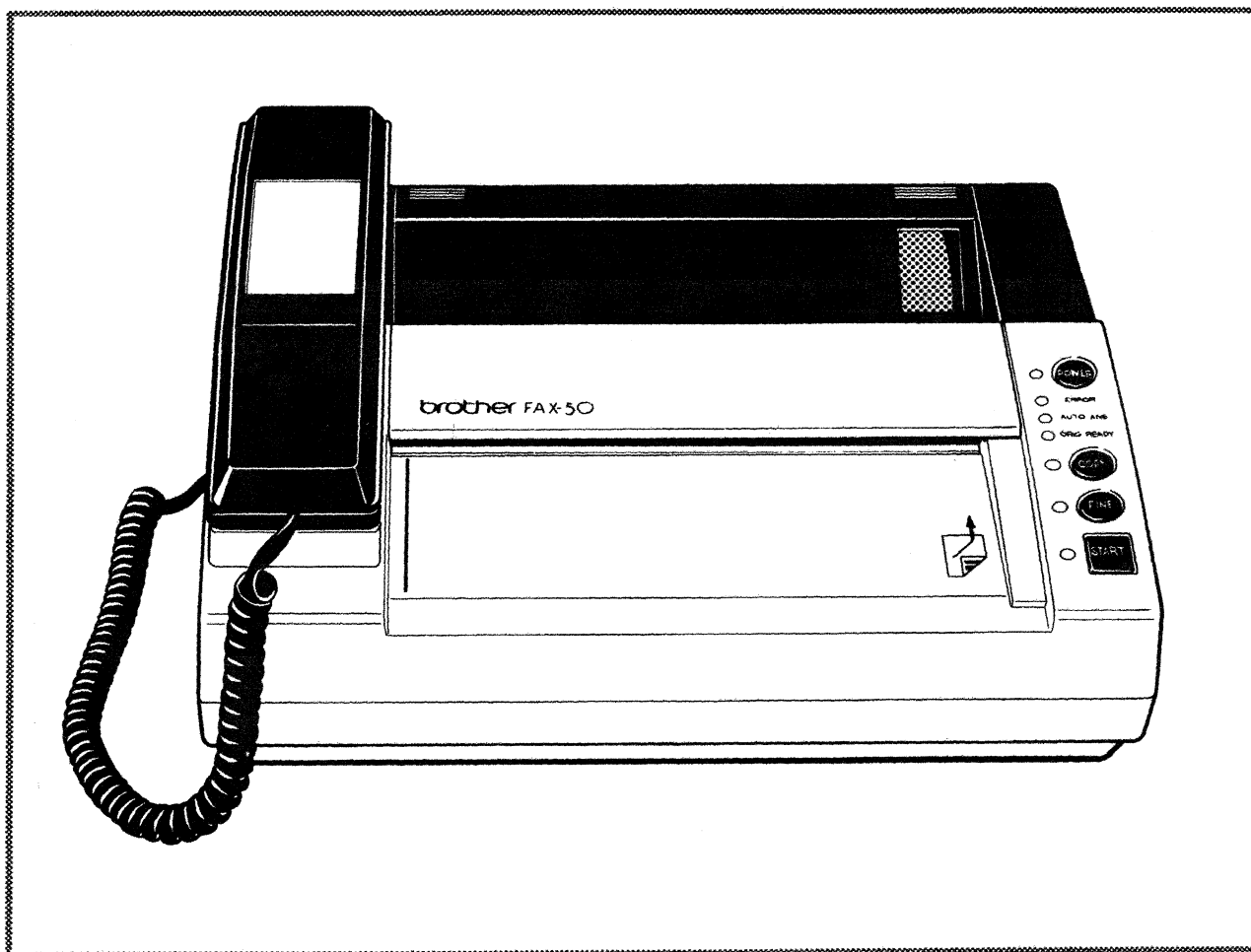# brother.

# FAX–50

## Owner's Manual

This unit generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the Owner's Manual, may cause interference to radio and television reception. It has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications of Subpart J of Part 15 of the FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this unit does cause interference (such as static) to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by employing one or more of the following measures:

– change the location of the receiving antenna (indoor type)
– move the unit away from the radio or TV
– plug the unit into a different outlet so that the unit and the radio or TV are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/TV technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

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

The serial number may be found on the label affixed to the rear of the unit. For your convenience, note this number below and retain this Owner's Manual to serve as a permanent record of your purchase, in the event of a theft or fire or for future reference.

MODEL NO. FAX-50    SERIAL NO. _____

NAME OF DEALER _____

DATE OF PURCHASE _____

This equipment complies with Part 68 of the FCC Rules. On the rear panel of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

Ask your telephone company or installer to install the jack suitable for your device if such is not available.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have those devices ring when your telephone number is called. In most, but all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advanced notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your Telephone Company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact the manufacturer's authorized service agency for information on obtaining service or repair. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

WARNING:

For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or moving the equipment.

This equipment may not be used on coin service provided by the Telephone Company nor connected to party lines.

## NON-HEARING AID-COMPATIBILITY

The telephone supplied with this equipment is not hearing aid-compatible.
FCC rules prohibit the use of non-hearing aid-compatible telephones in the following locations or applications:

1. All public or semi-public coin-operated or credit card telephones.
2. Elevators, highways and tunnels (automobile, subway, rairoad or pedestrian) where a person with impaired hearing might be isolated in an emergency.
3. Places where telephones are specifically installed to alert emergency authorities such as fire, police or medical assistance personnel.
4. Hospital rooms, residential health care facilities, convalescent homes, and prisons.
5. Workstations for hearing-impaired personnel.
6. Hotel, motel, apartment lobbies; in stores where telephones are used by patrons to order merchandise; in public transportation terminals where telephones are used to call taxis, or to reserve lodging or rental.
7. Hotel and motel rooms. (At least ten percent of the rooms must contain hearing aid-compatible telephones; or contain jacks for plug-in hearing aid-compatible telephones which will be provided to hearing-impaired customers upon request.)

# TABLE OF CONTENTS

# INTRODUCTION

Thank you for purchasing the Brother FAX-50. This **Owner's Manual** will help you derive the fullest benefits from this new, exciting compact facsimile transceiver.

The Brother FAX-50 is a modern, compact desktop digital facsimile unit. Its performance is compatible with CCITT Group 3. Since Group 3 (G3) units are the most widely used facsimile transceivers, your new FAX-50 is compatible with most modern facsimile units in the world.

All of the Brother FAX-50 features can be easily learned by following step-by-step procedures listed on the following pages. As you become familiar with the features and operation of the unit, **keep the Owner's Manual handy for quick references and reminders**.

The Brother FAX-50 is a modern communications system which combines, in one desktop unit, three communications devices:

- A modern telephone with speed-dialing capabilities
- A convenience copier
- A modern digital facsimile transceiver

*To fully appreciate this system, think of it as a telephone that can also copy your documents and send and receive them over regular phone lines!*

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The **Owner's Manual** provides a step by step description of the procedures you should employ in unpacking, installing and learning to operate your Brother FAX-50 facsimile unit. If you follow these instructions, you will have no problem with either the installation or the operation of the unit.

Modern digital facsimile units are *extremely* reliable. If you exercise the necessary care, you will enjoy years of totally trouble-free enjoyment of this unit.

Now, open the **Owner's Manual** to PRE-INSTALLATION INSTRUCTIONS (page 2) and read the material carefully.

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# PRE-INSTALLATION INSTRUCTIONS

## A. BEFORE REMOVING THE UNIT FROM THE CARTON

The Brother FAX-50 is designed to operate in either office or home environment. It is rugged, reliable and virtually maintenance-free. However, to ensure years of trouble-free performance, please observe the following precautions:

- Do not locate the unit near heaters, air conditioners, in direct sunlight or in extremely dusty environments.

- Install the unit on a flat level surface, such as a desk, a table, a typewriter or computer stand

- Do not locate the unit where water or chemicals are likely to splash on it

- Select a vibration-free area of your office or home

- Locate the unit within 3 feet from a telephone wall jack

- Locate the unit within 3 feet of a standard, grounded outlet

- Avoid plugging in the unit into an outlet which is on the same line as an air conditioner, a refrigerator, a copier or an electric typewriter.

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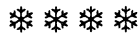
## B. CONTENTS OF THE PACKING CARTON

The packing carton contains:

1. The Brother FAX-50 unit
2. One roll of thermal recording paper
3. Telephone handset
4. Telephone line cord
5. Owner's Manual
6. Warranty card
7. Test Sheet

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## C. PROCEDURES FOR REMOVING THE UNIT FROM THE PACKING CARTON

1. Carefully open the carton (see the appropriate inscription on the carton)
2. Pull out the FAX-50 and the other devices together with the packing trays
3. Remove all packing trays and plastic from the unit
4. Take out the telephone line cord from the plastic packaging
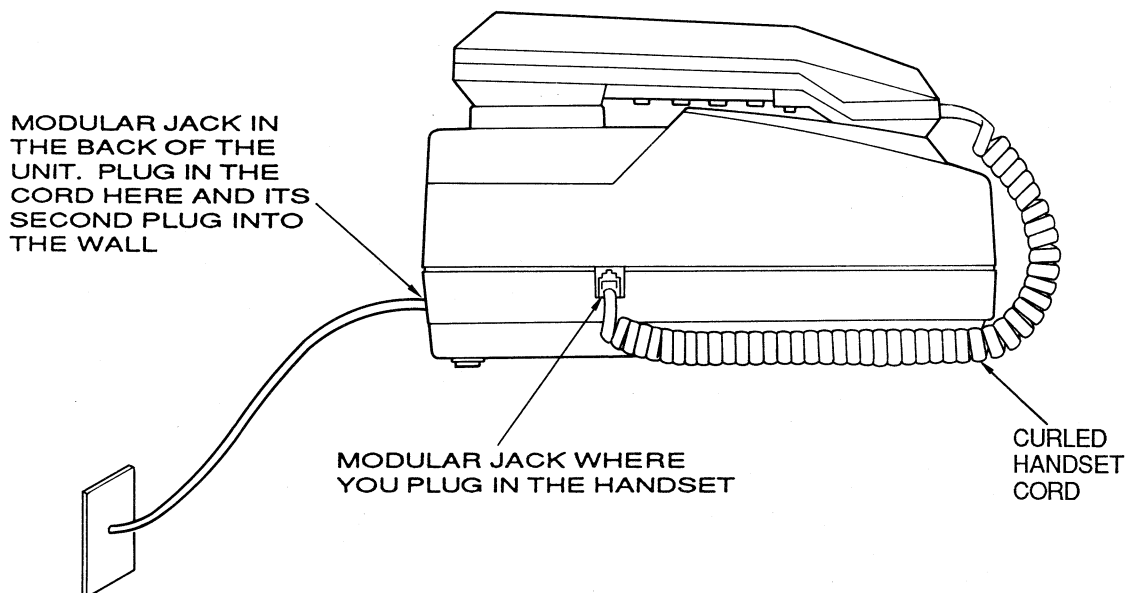5. Locate and take out the recording paper roll

# INSTALLING THE UNIT

## A.   TELEPHONE  CONNECTIONS

### 1.   Single-line telephone connection

The simplest way to connect the Brother FAX-50 unit to the public switched telephone network (phone company lines) is to use a single telephone line.  The connection is particularly simple if you have a modular wall jack.  The most common modular jack is referred to as the **RJ11C jack**.  If you have such a jack, follow the instructions below.  If your wall jack is not modular, it is very easy to convert the wall plug to a modular form.  Conversion is very simple and conversion kits are available from your local phone company, an electronics / computer store (e.g., Radio Shack) or the AT&T phone stores.

To give you a conceptual idea of the connections, here is a simplified diagram:

MODULAR JACK IN THE BACK OF THE UNIT. PLUG IN THE CORD HERE AND ITS SECOND PLUG INTO THE WALL

MODULAR JACK WHERE YOU PLUG IN THE HANDSET

CURLED HANDSET CORD

## CONNECTING TO THE PHONE LINE

If you have MODULAR PHONE JACKS (RJ11C), simply plug the phone cord into the wall jack.

If you have the older 4-PRONG JACK, you must use a modular 4-prong adapter USOC (RJA1X). Plug the adapter into the wall jack and then plug the phone cord into the adapter.

(A)

(B)

ADAPTOR PLUG

MODULAR PLUG to WALL OUTLET
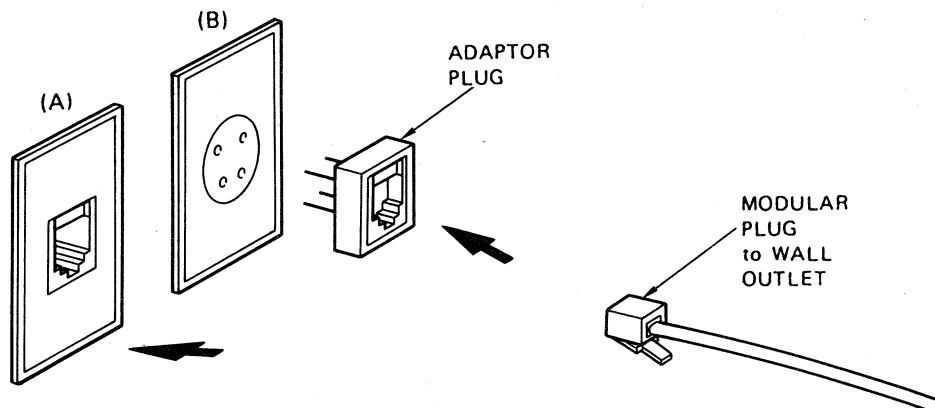
To connect your FAX-50 to the telephone line, follow these steps:

(a)   The telephone handset which is included in the carton must be connected to the FAX-50 by plugging in the handset cord into the jack on the side of the FAX-50 unit.  *This is shown in Illustration #1 below.*
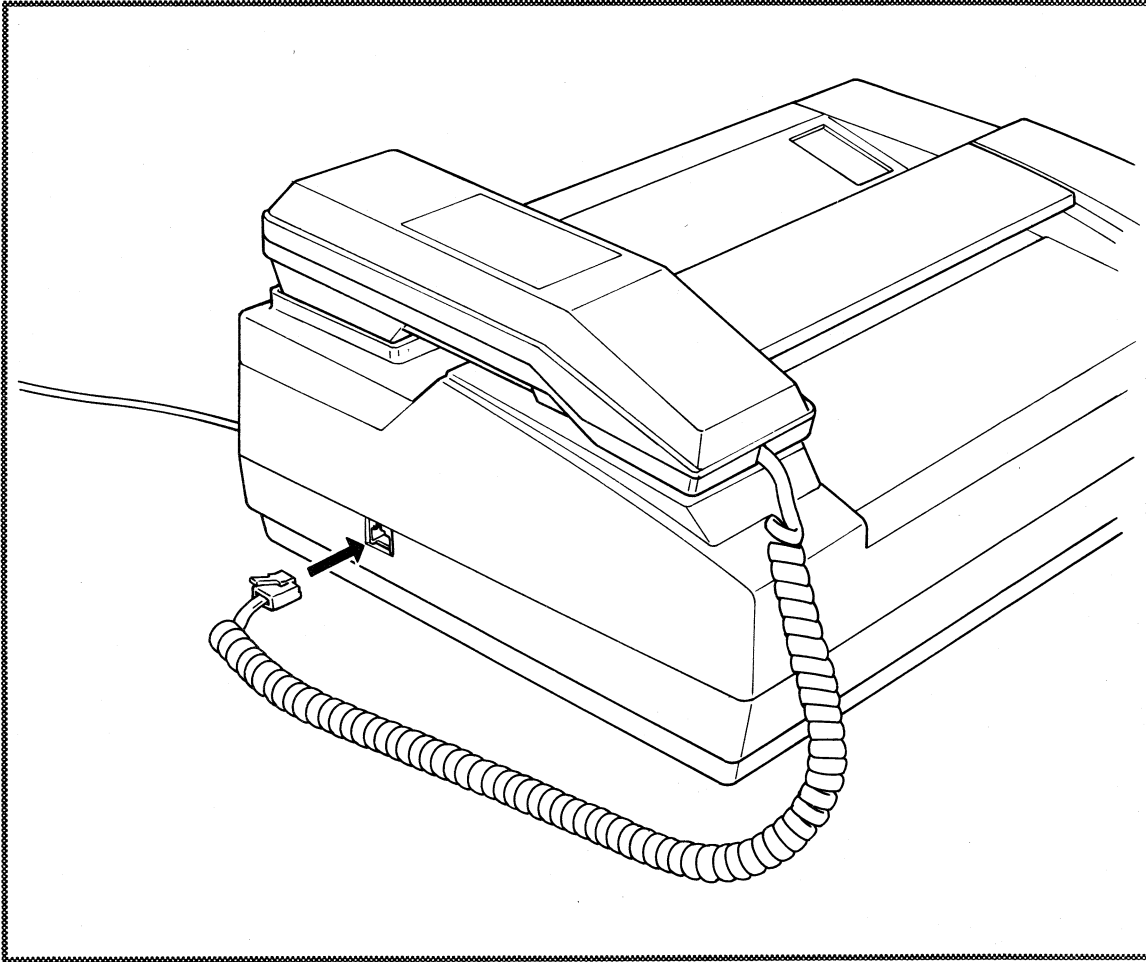
Illustration #1

(b)     Take the telephone cord which is also included in the carton and connect one of its plugs to the jack in the back of the FAX-50 unit (this jack is marked "TELEPHONE CORD" then the second plug to your modular wall jack (RJ11C). Now, the FAX-50 is connected to the telephone network. *This is shown in Illustration #2 below.*
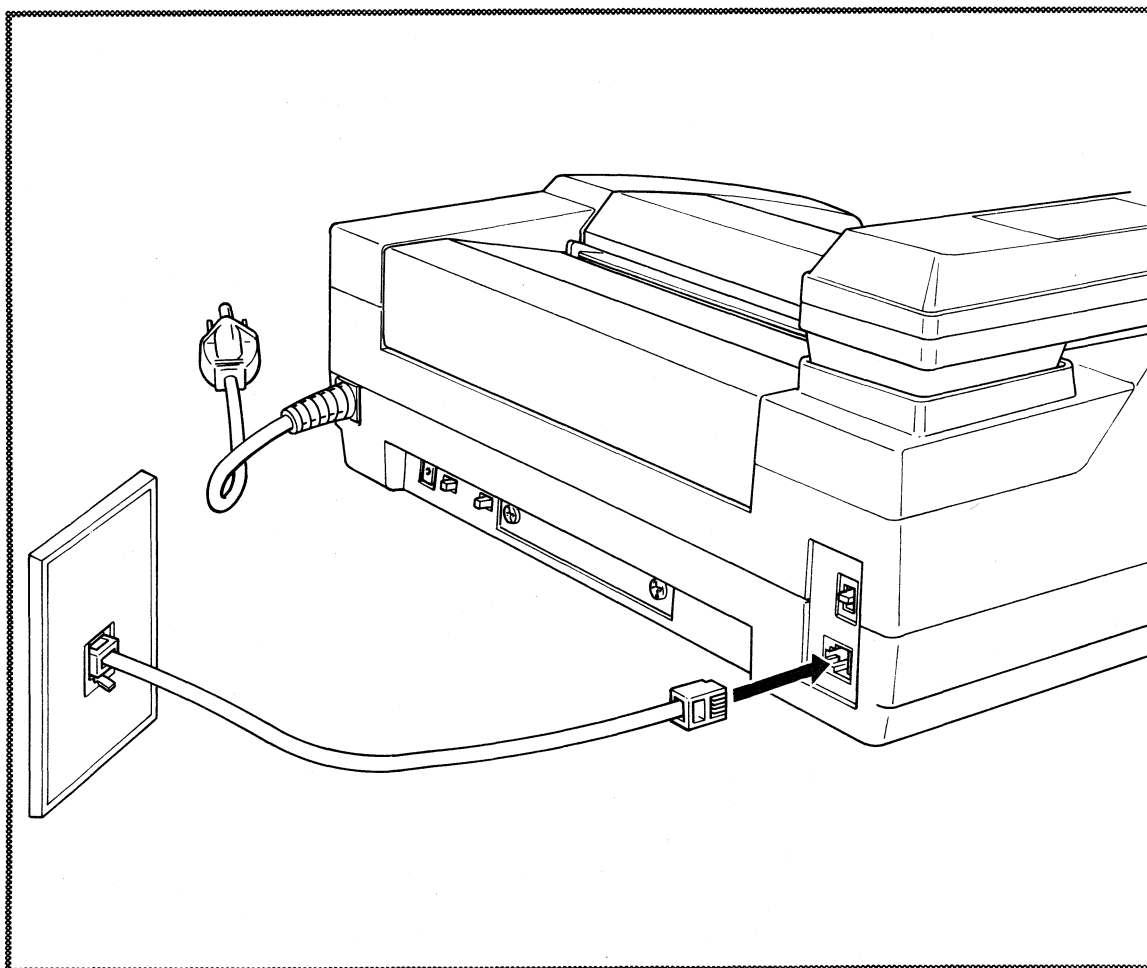
Illustration #2

## 2.    Multi-line telephone connection

Most offices have key systems or PBXs.  While in many cases it is relatively easy to connect the FAX-50 to a key system or a PBX, we suggest that you contact the organization which installed your company's telephone system and ask them to connect the FAX-50 to the system.  If the FAX-50 is connected to a multi-line system, ask your installer to connect the FAX-50 to the last line on the system.  This way, the FAX-50 will not be activated by every phone call coming into your office. The preferred solution is to ask the phone company to assign a separate line to the facsimile unit. In this case, you can leave the unit **on** 24 hours a day and derive full benefits from its automatic, unattended receiving capabilities.

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# B.    ELECTRICAL CONNECTION

The FAX-50 can be plugged into any standard power  (110 VAC) outlet.  Simply make sure that the outlet is grounded and that it is not on the same line as appliances or office machines which tend to draw a lot of power in a very short period of time, such as refrigerators, copiers, etc.  The FAX-50 power requirements are listed in the SPECIFICATIONS (see page 22).

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## C.  INSERTING THE RECORDING PAPER ROLL INTO THE UNIT

To insert the paper roll, follow these directions (the process is illustrated in Illustrations ##3, 4, 5 and 6 below):

- Place your thumbs over the two spots on the recording paper cover where you see four horizontal cuts (the left one is next to the handset and the right one is over the cover's "window." *This is shown in Illustration #3 below.*
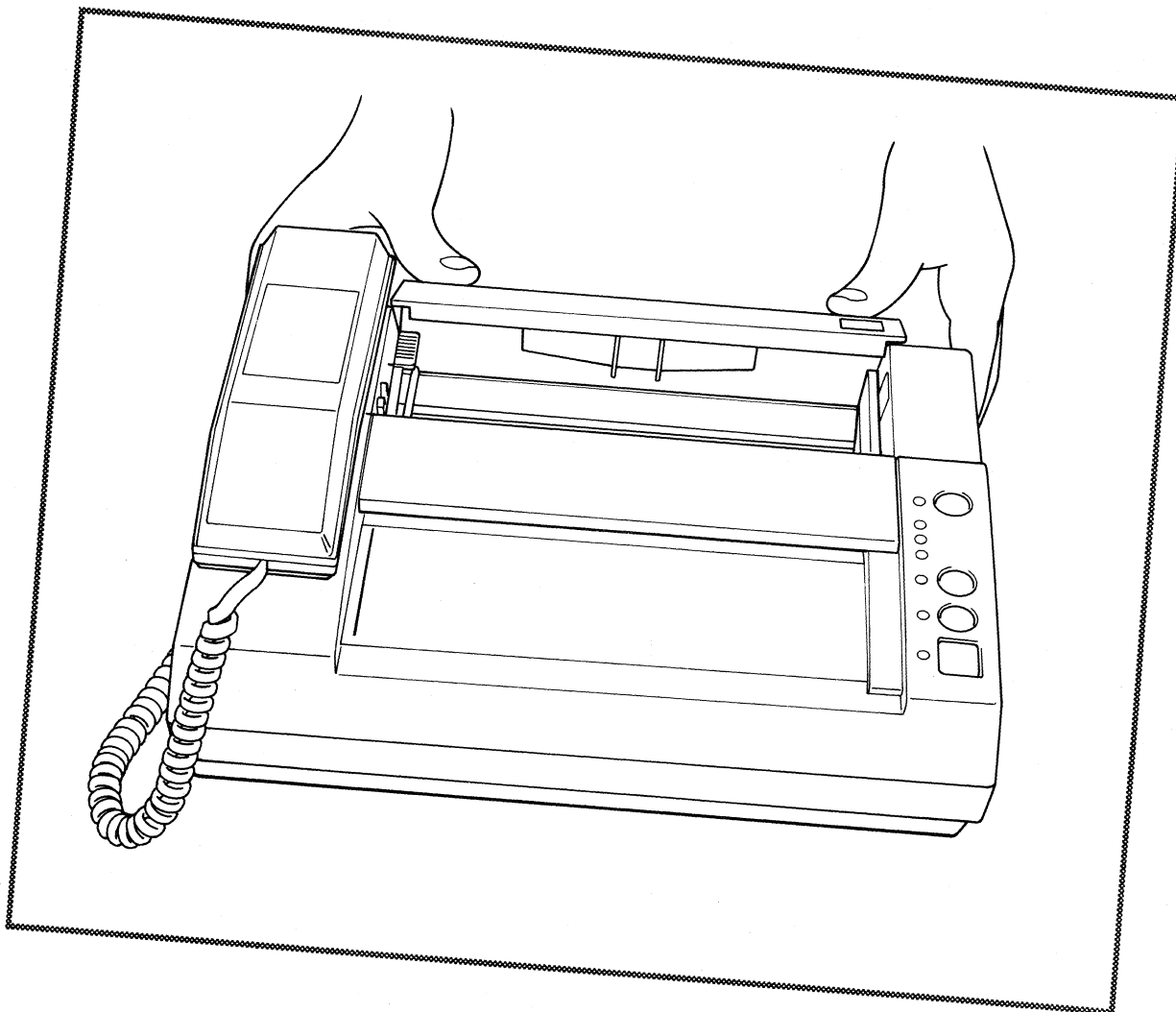
- Push the cover away from the unit.



Illustration #3

- Inside, on the left side, you will see a **black release lever**. Pull it toward you. *This is shown in Illustration #4 below.*
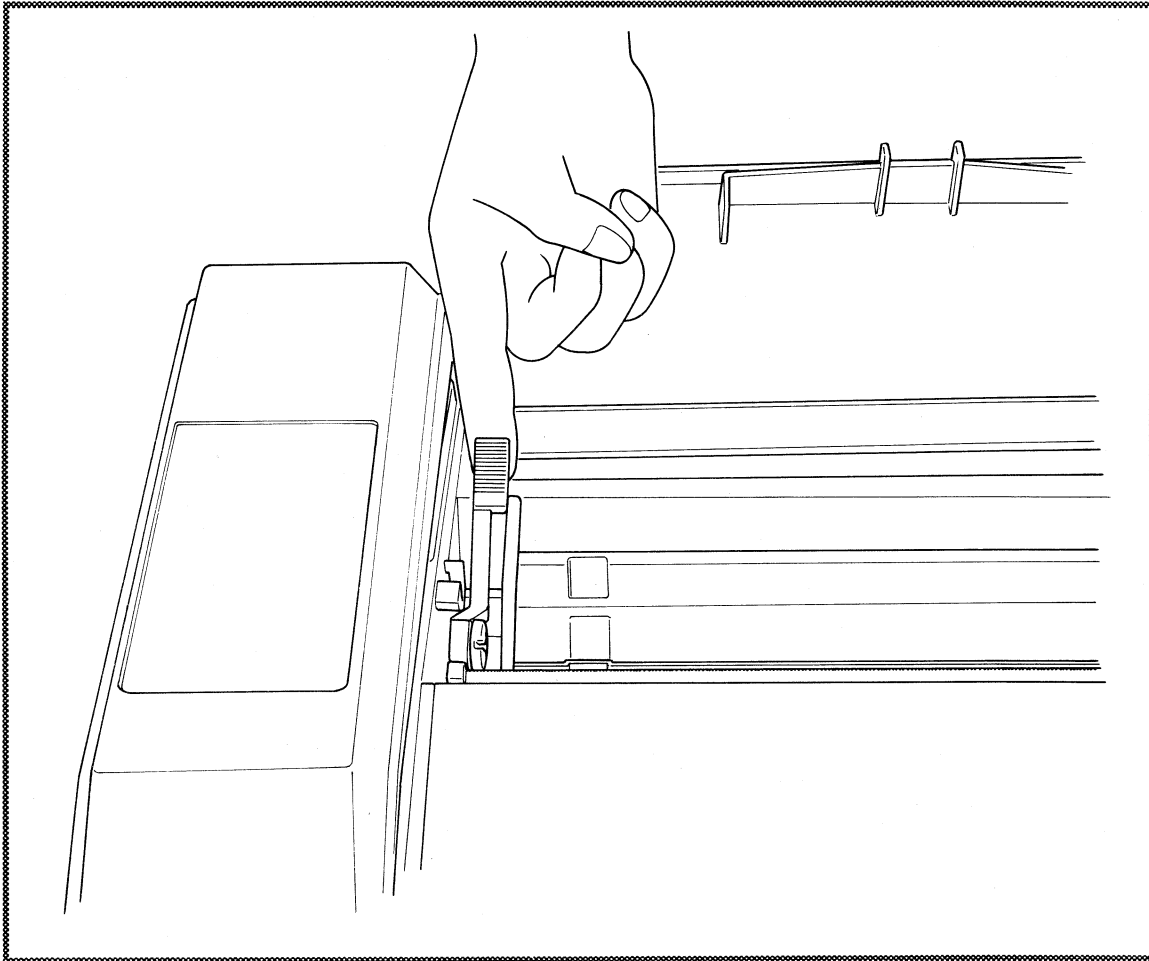
Illustration #4

- Holding the paper roll so that the paper feeds from the bottom, unroll approximately 10 - 12 inches and insert the paper end between the rubber roller (platen) and the guide panel (you will see arrows on the guide panel pointing into the unit.)

- Grab the end of the paper as it emerges from the other side of the roller and pull it toward you.  Pull through at least 2 inches of paper.  *This is shown in Illustration #5 below.*
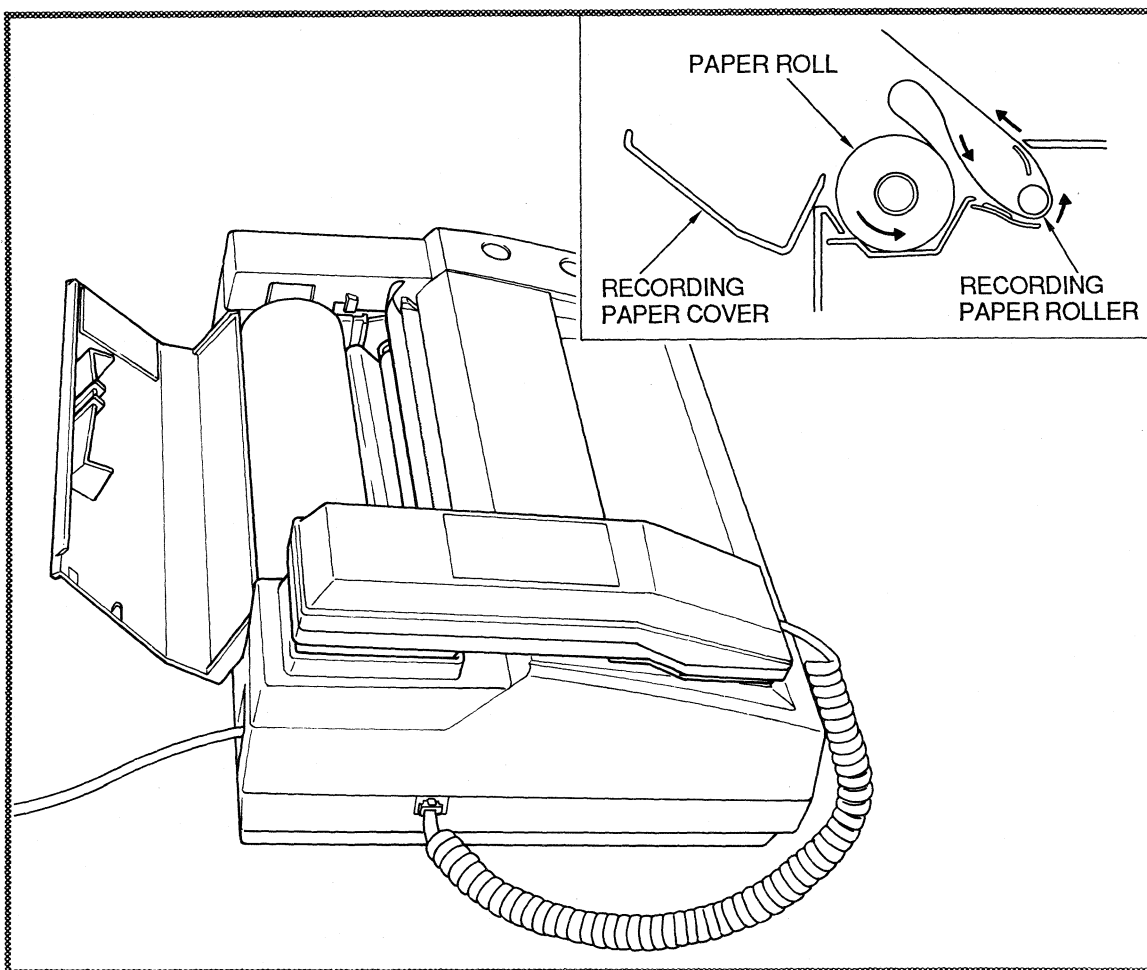


Illustration #5

- Make sure the paper is properly aligned in the unit by adjusting it using both hands – one hand holds the paper as it comes in under the roller (platen) and the other hand holds the paper as it comes out on the other side of the roller (platen).

- After the paper is aligned, pull the release lever back into the original position (lying towards the back of the unit.)

- Take up any paper slack by rolling it back onto the paper roll.

- Close the cover.

- Firmly grab the protruding paper in the front of the machine and using a sideways motion cut it off against the built-in cutter (much like you cut off aluminum foil in your kitchen). *This is shown in Illustration #6 below.*

**NOTE:** Brother Thermal Recording Paper is recommended for use with this product. The use of other supplies not specifically sold or approved by Brother may effect the performance of your unit and may void the Brother Product Warranty.
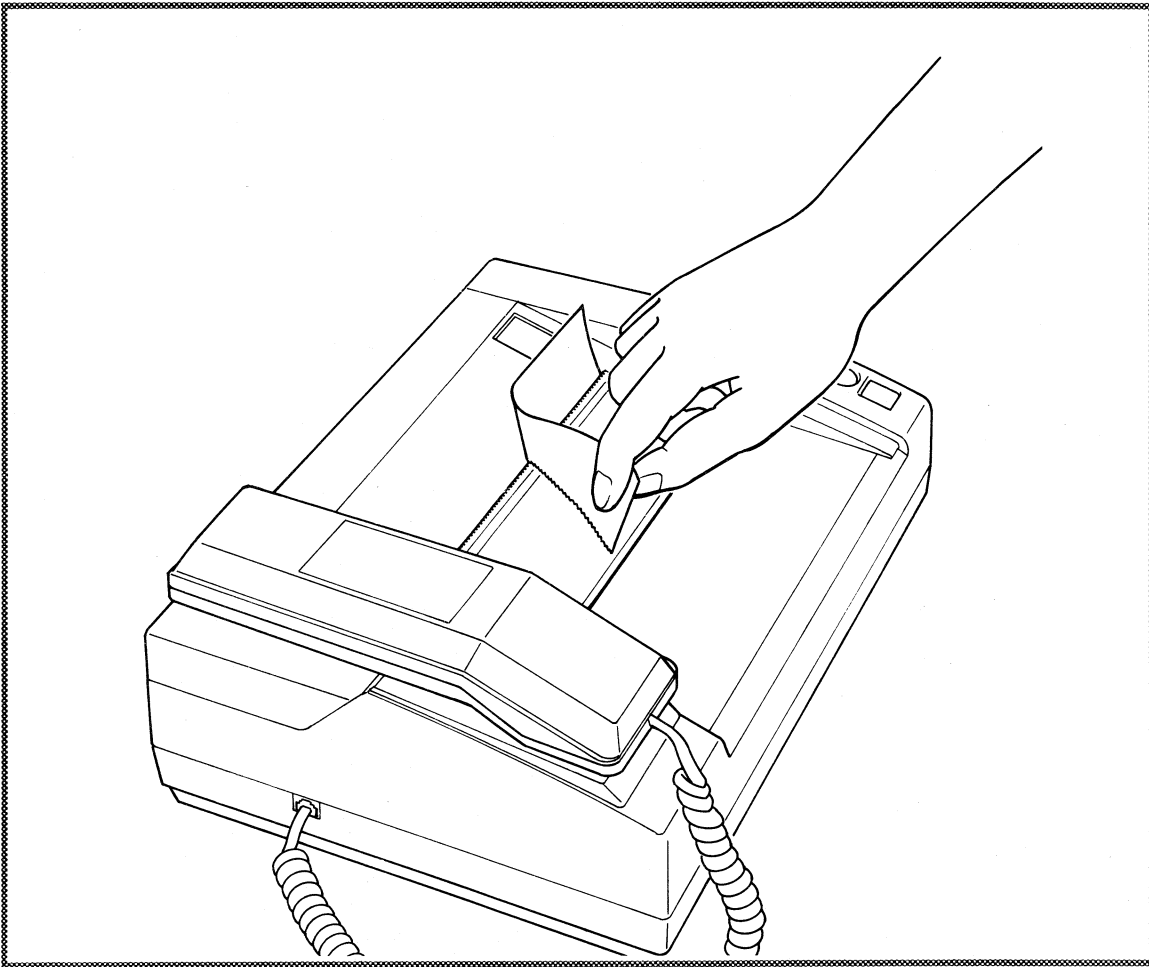


Illustration #6

**NOW, YOU ARE READY FOR THE NEXT STEP – LEARNING HOW TO USE THE FAX-50.**

# GETTING FAMILIAR WITH THE UNIT

## A.    THE  CONTROL  PANEL

Now that the unit is connected to the telephone network and the power, take a few minutes to become familiar with the unit.  First, let's take a look at the control panel of the Brother FAX-50. The layout of the control panel and the function of the various buttons are shown in the diagram below:

**LAMPS**                          **CONTROL  PANEL**

POWER                                POWER
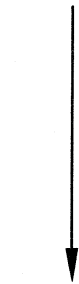
ERROR                                ERROR

AUTO ANSWER AND
RECEPTION                            AUTO ANS

ORIGINAL READY                       ORIG READY

COPY                                 COPY

FINE                                 FINE

START                                START

## 1.    Lamp functions

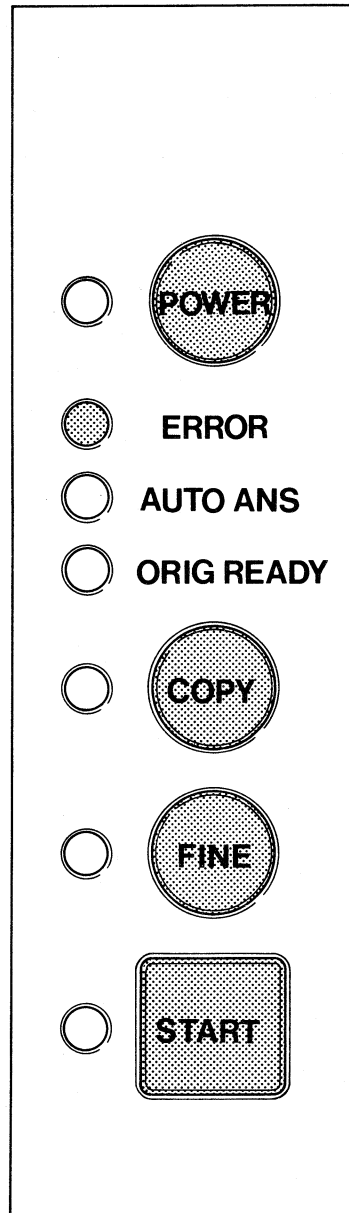The following explains the function of each lamp.  More information about the lamps and the various terms used here will be provided below when we discuss the actual operation of the unit.

The POWER Lamp lights up whenever the power is ON.
The ERROR Lamp lights up whenever an error occurs.
The AUTO ANSWER Lamp lights up when the unit is in the "auto receive" mode
The COPY Lamp lights up when you are making a copy
The FINE Lamp lights up when the unit is operating in the "fine" mode
The START Lamp lights up when the unit is preparing to transmit or receive
THE ORIGINAL READY Lamp lights up when the original document is inserted correctly into the sending section of the unit.

## 2.    Button functions

| The POWER Button | – | press to turn the power ON or OFF |
| The START Button | – | Press to start transmission or non-automatic reception |
| The COPY Button | – | press to copy a document |
| The FINE Button | – | press when transmitting a document which contains fine print, photographs or other very detailed images |

❋ ❋ ❋ ❋

## B.    REAR PANEL SWITCHES

Looking at the rear panel of the unit, we see a row of switches, as shown in the diagram below.
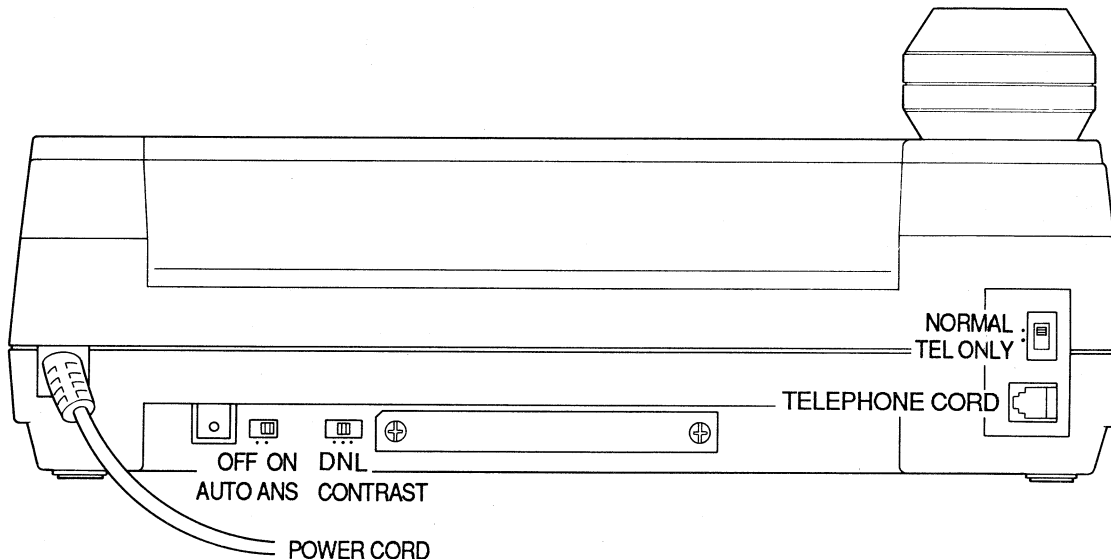


The following explains the functions of the controls on the rear panel, starting from the right side.

The switch on the upper right – **NORMAL-TEL ONLY** allows you to set this unit to function as a facsimile machine (NORMAL) or as a simple telephone (TEL ONLY).

Directly below this switch is the modular jack into which you plug in the telephone line cord which goes into the phone company's RJ11C modular jack on the wall.

The **D-N-L CONTRAST** switch is used in the **transmit** or **copy** mode. Usually, this switch is set at **N** – Normal. If the document to be transmitted (or copied) is too light, set the switch to **L** – Light. If the document to be transmitted or copied is too dark, set the switch to **D** - Dark.

**NOTE:** The contrast switch affects only the documents which you are sending or copying. It does not affect documents which you receive from another facsimile unit.

To the left of the D-N-L CONTRAST switch is the **OFF-ON AUTO ANS** switch. When you set the switch to **ON**, the unit will receive transmissions automatically. If the switch is set to **OFF**, you will have to answer the phone attached to the facsimile unit and initiate the reception manually  by pressing the START button.

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# OPERATING THE UNIT

## A.    THE COPY MODE

The easiest way to start using the unit is to try out the COPY MODE.  To make a copy, follow the simple instructions below:

1.    Make sure the unit is plugged in and that the unit has paper inside of it.

2.    Insert the document you wish to copy into the unit, *as shown in Illustration #7.* Make sure that the document is fed **face down** with the right edge of the paper flush against the unit's right side paper guide.  **The text or drawings you are copying should face the machine, not you.**

When you insert the paper into the unit, the power will switch on **automatically and the POWER and the ORIGINAL READY Lamps will light.**
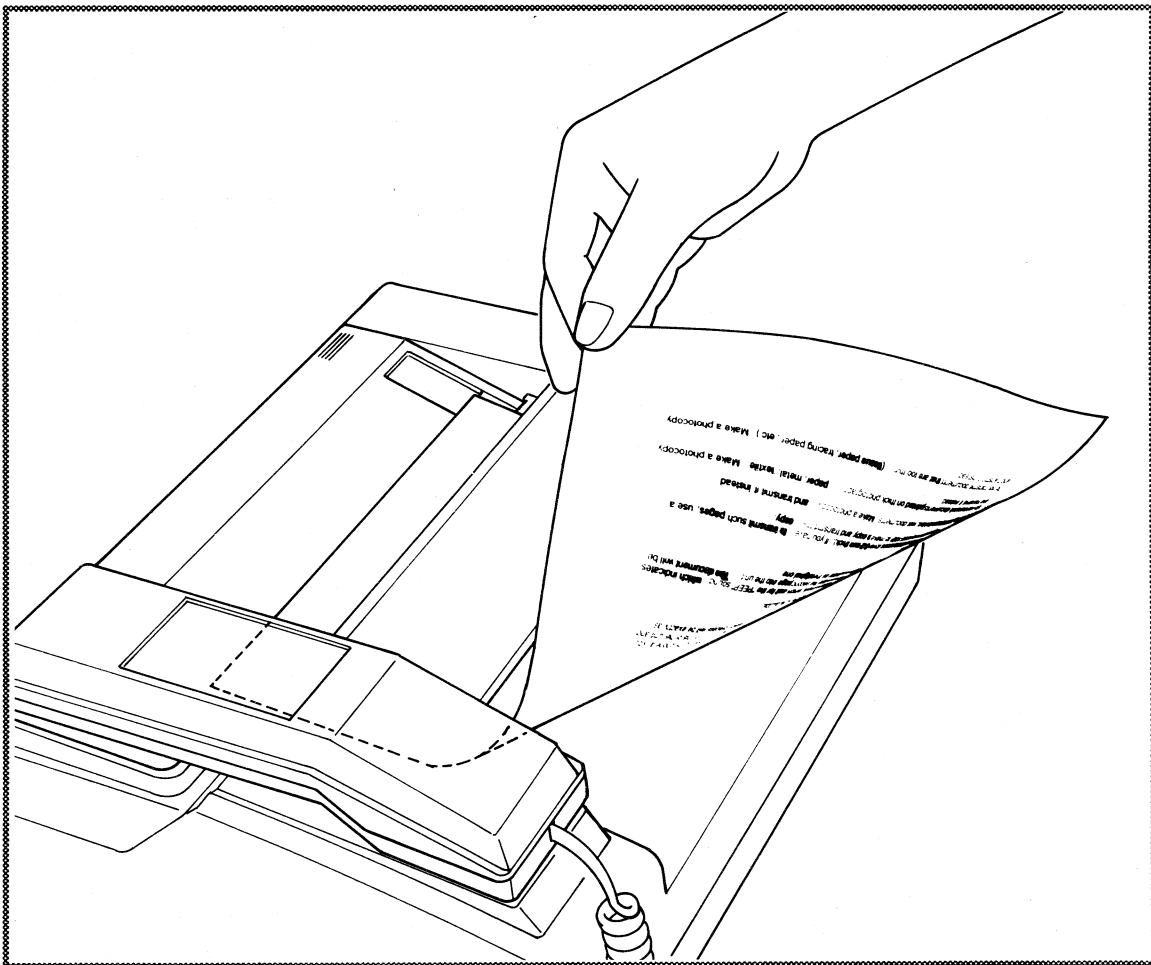


Illustration #7

3.　　Press the COPY button on the front panel.

As soon as you press the COPY button, the unit will start pulling the document through the scanning area and you will see it begin to emerge on the other side.

4.　　When the unit completes copying the document, the original will be completely free of the unit. The copy may be cut off at the cerrated cutter by holding it at the upper left corner and pulling it across the cutter towards you (as if you are tearing off aluminum foil or plastic wrap).

5.　　Turn the unit OFF by pressing the POWER Button. However, if the POWER Button is not pressed **the unit will turn itself off automatically** in five (5) minutes .

**When using the COPY MODE, remember the following:**

All copies are always made in the FINE MODE automatically. You don't need to press the FINE Button.

If you do not insert another document to be copied within six (6) seconds of having made the preceding copy, the COPY MODE will automatically terminate and the COPY Lamp will go off.

If the phone rings as you are copying a document you can pick up the phone and have a conversation.

If the other party wishes to transmit (to "fax") a document to you while you are copying, you have two (2) options:

- Ask the party to wait until you finish copying and then initiate facsimile reception (see below), or

- Terminate the copying process by pushing the POWER Button twice. The first action cuts off power and the second one restores it. Then, you can intiate the reception.

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## B.　HOW TO TRANSMIT DOCUMENTS

To transmit a document anywhere in the world, follow the simple instructions below:

1.　　Insert the document you wish to transmit into the unit, as shown in Illustration #7. Make sure that the document is fed face down. That is, the text or drawings you are transmitting are facing the machine, not you. When you insert the paper into the unit, the POWER will go ON automatically and the POWER Lamp and the ORIGINAL READY Lamp will light.

2.　　If your document has a lot of fine print, or if you are transmitting a newspaper clipping, a photograph, a detailed chart or any other document which has a lot of detail, press the FINE MODE button. The appropriate lamp will light up. If you don't need the FINE MODE (which is the case in most transmissions) or if you have simply forgotten to switch it on, the FAX-50 will transmit the document in the NORMAL MODE (which, by the way, offers an excellent quality image).

3.　　Pick up the telephone handset and dial the desired number. Depending on the type of a facsimile machine you are transmitting to, you should hear one or two rings followed by a continuous audio tone from the receiving unit.

4.  As soon as you hear the tone, press the **START BUTTON**. The START lamp will light up, the two machines will perform what is known as a "handshake" and the transmission will start.

5.  As soon as you have pressed the START BUTTON, you may hang up the phone handset. While the unit is transmitting, the phone is NOT operational.

6.  When the transmission is completed, the original will come out of the unit in exactly the same manner as the document during the COPY MODE. The FAX-50 will sound an audio signal and the power will turn off automatically.

## Additional Instructions:

### a. If a person, rather than a facsimile machine answers your transmisison call

If you are calling a facsimile number and instead, someone answers the phone all you have to do to initiate the transmission is to simply tell the other party to turn on his or her unit, press their START button and then you will press **your START BUTTON**. The rest of the transmission process will be exactly as described in steps 4 - 6 above.

### b. If you want to transmit several pages to the same number

If you want to transmit more than one document, simply wait for the audio signal and putting out of the ORIGINAL READY Lamp which indicates that the first page was transmitted, then place the second page into the unit *immediately*. The document will be transmitted to the same telephone number as the original one. You may continue to send additional documents in the same manner.

## IMPORTANT:

Do not transmit or copy very thick pages (over 0.15 mm thick). If you have to transmit such pages, use a photocopier (not the FAX-50) to make a copy and transmit the copy instead.

Do not transmit or copy wrinkled, wet documents. Make a photocopy and transmit it instead.

Do not transmit or copy documents printed on thick photographic paper, metal or textile. Make a photocopy and transmit it instead.

Do not transmit or copy documents that are too thin (tissue paper, tracing paper, etc.) Make a photocopy and transmit it instead.

Remove all staples and paper clips from the documents to be transmitted.

Do not transmit or copy documents held together by scotch tape. Photocopy them and transmit the photocopy.


**PLEASE SEE THE SPECIFICATIONS AT THE END OF THE OWNER'S MANUAL FOR THE SIZES OF DOCUMENTS THAT CAN BE TRANSMITTED.**

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## C.  HOW TO RECEIVE DOCUMENTS

### 1.  Automatic reception of documents

To receive documents automatically, make sure that the **AUTO ANS** switch on the back of the unit is set to **ON**. The automatic answer lamp will light up whenever this switch is ON.

There is actually nothing you have to do to receive documents in this mode. When someone dials your number, the FAX-50 will automatically answer the phone and the **POWER** will automatically turn **ON**. The lamp will light to indicate that the power went on. Very shortly, you will hear the unit working and almost immediately, you will see the document emerging from the unit. Wait until the transmission is completed, as evidenced by the audio signal going off before cutting off the paper.

*Note that when the unit is receiving automatically, your phone is not functional.*

The Brother FAX-50 is capable of **unattended reception**. That is, you can receive documents even when you are not there. All you have to do is to leave the unit set to **AUTO ANS ON**. When you come back, you will see the received documents. This feature allows your associates to transmit their documents to you when the phone rates are lowest, in the evening, on weekends or at night.

### 2.  Manual reception of documents

If the unit is not set for automatic reception, you can receive documents if you follow these simple instructions:

a.  Pick up the phone when you hear a ring. If you hear an audio tone instead of a voice, you know that someone is trying to transmit to you.

b.  Press the POWER Button. The Power Lamp will light up.

c.  Press the START Button. The Lamp will light up and stay on steadily as the reception begins.

d.  Replace the handset. You can't use it anyway while the unit is receiving.

e.  An audio sound will notify you that the reception is completed. The power will **automatically** shut off and the POWER Lamp will turn off.

f.  Cut off the paper as you did in the automatic reception and copying modes.

*NOTE: WHEN A RED MARK APPEARS ON BOTH SIDES OF THE RECORDING PAPER, IT IS TIME TO REPLACE IT WITH A NEW ROLL (SEE **INSTALLING THE UNIT**, Section C)*

## D.   HOW TO USE THE TELEPHONE HANDSET

Use this handset like you would any other telephone.  In addition to normal telephone functions, you can speed-dial nine (9) different telephone numbers and re-dial the last number called.

When you initially set up your machine, make sure you move the tone-pulse (TP) select switch to proper setting.  The "T" setting is for Touch-Tone service.  The "P" setting is for rotary service.

The second switch on the handset is for Ringer Volume.

### For Manual Dialing:

1.  Pick up the handset.
2.  Wait for dial tone.
3.  Dial the desired telephone number.

**NOTE:** To dial a "∗" or "#" in Touch-Tone mode, these two keys have to be pressed twice.

### Last Number Redial:

1.  Pick up the handset.
2.  Wait for dial tone.
3.  Dial "# 0" and the last number dialed will be redialed.

**NOTE:** A single "∗" input prior to going on hook or prior to coming off hook will erase the last number dialed.

### Memory Dialing:

1.  Pick up the handset.
2.  Wait for the dial tone.
3.  Dial "∗N" where N is a number from 1 to 9.  This number designates the location of the stored number you wish to dial.

### Memory Programming:

1.  Pick up the handset.
2.  Press down the hook switch.
3.  Push numbers you want to store.
4.  Push "∗N" where "N" is the number (1 to 9) which is the location where you want to store the telephone number.
5.  Put down the handset.

**NOTE:**  You can also program a telephone credit card number into a location using the above method.

### PBX Pause

A short pause may be stored in a number sequence by entering "∗ #".

### CHAIN DIALING  (used in conjunction with telephone credit card number)

1.  Program credit card number into a location by using *memory programming.*
2.  Make sure that programmed numbers have a "0" in front of them so that a telephone company–automatic operator will come on.

3. To use chain dialing:

— Pick up the handset.
— Wait for dial tone.
— Press "✳N" where "N" is a number (1 - 9) of the location of the telephone number; the telephone number must have a "0" in front of the programmed number.
— Wait for the automatic telephone operator to come on.
— When operator stops speaking press "✳N" where "N" is now the location of the credit card number.
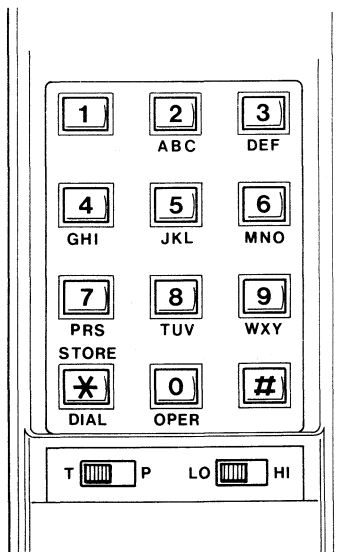
❄ ❄ ❄ ❄

## Example of putting in a telephone number into memory.

Let us say we want to put the telephone number (516) 555-1212 into memory position 2:

1. Pick up the handset.
2. Press down the hook switch.
3. Dial (516) 555-1212.
4. Press "✳ 2".
5. Put down the handset.

To perform memory dialing on above number:

1. Pick up the handset.
2. Wait for dial tone.
3. Dial "✳ 2".



KEY LAYOUT AND LETTERS ON KEY PAD

| ADDRESS NUMBER | NAME |
|---|---|
| ✳ 1 | |
| ✳ 2 | |
| ✳ 3 | |
| ✳ 4 | |
| ✳ 5 | |
| ✳ 6 | |
| ✳ 7 | |
| ✳ 8 | |
| ✳ 9 | |
| ✳ 0 | REDIAL |

LAYOUT OF MINI-DIRECTORY

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# CARING FOR YOUR FAX-50

## A.    CLEANING THE SCANNING AND PRINTING AREA

Optimum print quality can be maintained if the scanning and printing area are cleaned after using 3 or 4 rolls of recording paper.  See instructions below:

Wipe away soil with an applicator or soft cloth.

RELEASE LEVER

RECORDING HEAD

RECORDING PAPER ROLLER

SCANNING SENSOR
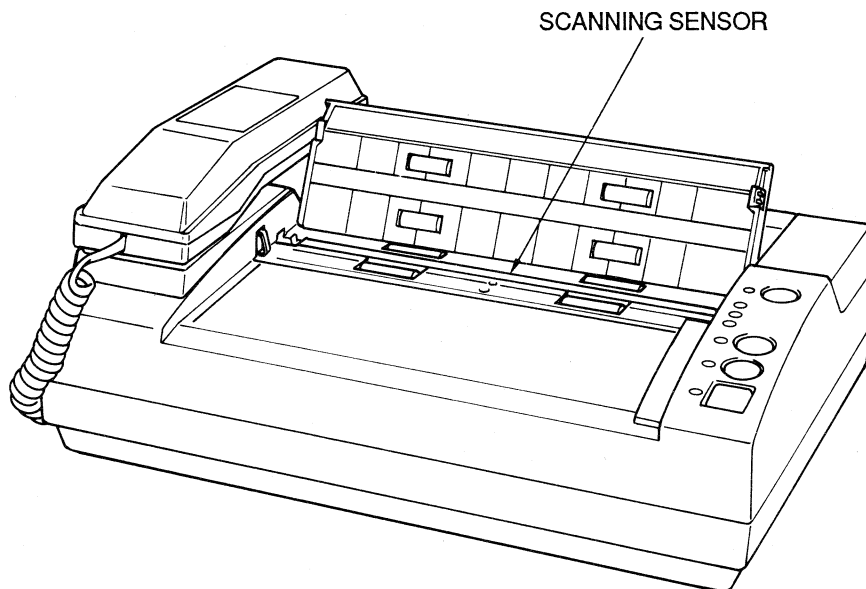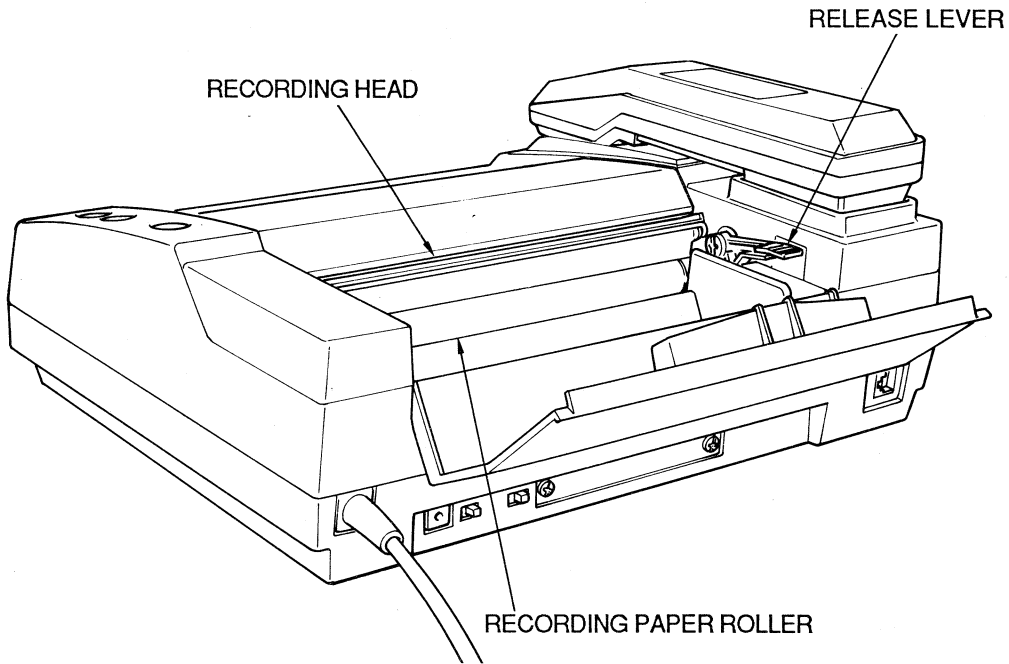
## B. CLEANING THE RECORDING PAPER ROLLER

Wipe away soil with a dry cloth.

RECORDING PAPER HOLDER

RECORDING PAPER ROLLER
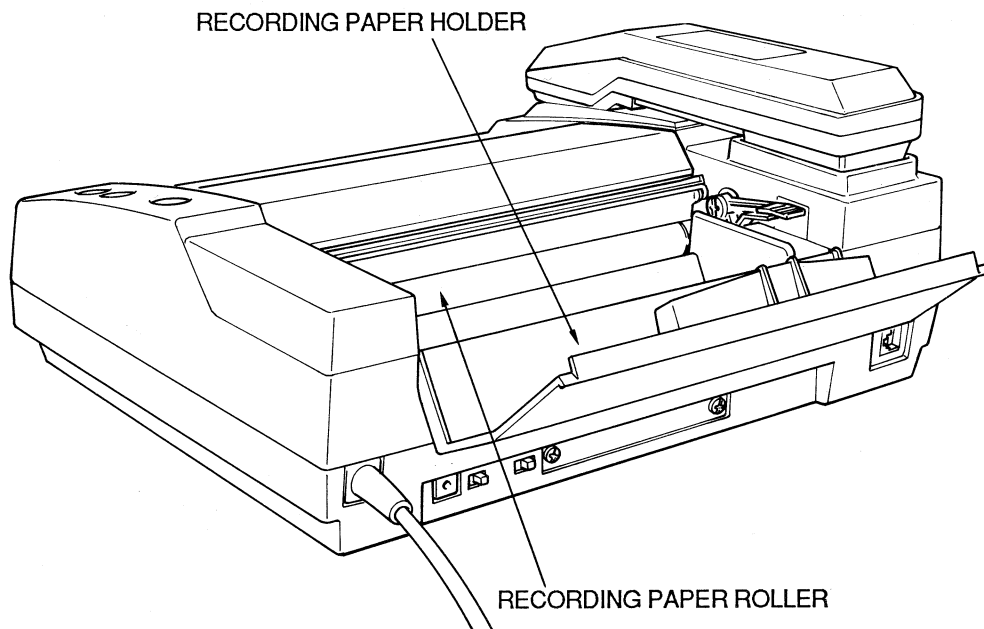
## C. CLEANING THE CABINET

Wipe soil away with a dry cloth or the like for cleaning the cover.

**NOTE:** Do not use water, alcohol, thinner or any other organic solvent.  Just sweep away visible dirt and dust.  No other cleaning is required.

# TROUBLESHOOTING

If you are having trouble with the image quality in TRANSMIT or RECEIVE modes, try the unit in the COPY mode. If this test gives you a good reproduction, the problem is not with your unit but with the other unit or the telephone lines.

If this GUIDE does not help you in solving a problem with your unit, please call our service at: 800-284-4FAX.

## TRANSMITTING

| SYMPTOM | POSSIBLE CAUSE | ACTION |
|---|---|---|
| No lamp indications on cover. Power switch is pressed, but power lamp does not light. | Is power cord plugged in? | Plug in power cord. |
| Faint drawings or characters are not reproduced when sending or copying. | Contrast switch set improperly. | Change (D-N-L) switch on the back of the unit to "L" (Light setting). |
| Document jam | Document jammed in transmitting section. | 1. Turn off the unit by pressing the power button. 2. Pull up on document cover to open it up. 3. Remove the jammed document. 4. Close cover making sure that you hear it click into place. 5. Do not retransmit this document but make a copy of it first. |
| Error indicator is lit | Communications error has occured – this is usually caused by a bad phone line. | 1. Redial and try transmission again. 2. If you get an error, call the distant location and verify if their unit is functioning and that it is a Group 3 fax terminal. If it is not working, have them call for service. If their fax unit is not Group 3 compatible, then you cannot transmit to them at all. |

## RECEPTION

| SYMPTOM | POSSIBLE CAUSE | ACTION |
|---|---|---|
| Received copies are blank | 1. The paper is in backwards.<br>2. Wrong type of paper being used. | 1. Reload the paper correctly.<br>2. Replace with proper thermal recording paper. |
| The telephone rings continuously when FAX unit is called. | 1. Auto answer switch is turned off.<br><br>2. No power. | 1. Turn auto answer switch ON. It is located on the rear of the unit.<br>2. Check outlet voltage. |
| Recording paper is jammed | Paper is jammed in receiving section. | 1. Turn off the unit by pressing the power button.<br>2. Push back on cover to remove.<br>3. Pull the black lever.<br>4. Remove paper roll and tear off jammed paper.<br>5. Reload paper.<br>6. Put down the black lever.<br>7. Close cover making sure that you hear it click into place.<br>8. Remove excess paper. |
| Error indicator is lit | Communications error has occured – this is usually caused by a bad phone line. | 1. Ask the transmitting unit to re-send the document.<br>2. Make sure the other unit is a Group 3 compatible machine.<br>3. Make sure your unit is properly connected to the phone line.<br>4. Make sure the other unit is working properly. |

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# SPECIFICATIONS

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|---|---|
| Document size | Maximum: 8.5"(width) x 23.6"(length) |
| | Minimum: 5.8"(width) x 3.9" (length) |
| Recording paper size | 8.5"(width) x 100' (length of the roll) |
| Effective scanning width | 8.2" |
| Effective recording width | 8.2" |
| Recording method | Thermal |
| Applicable lines | Via Public switched network (phone lines) |
| Power supply | 110 –120 Vac, 60 Hz |
| Power consumption | Stand-by – 10W or less |
| | Peak – 130W or less |
| Dimensions | 13.8" (width) x 9.8" (depth) x 6.1" (height) |
| Weight | Approximately 14.8 lb |
| Environment | Normal household or office temperature and humidity.  Note, excessive temperatures (both low and high) and excessive humidity may affect the operation of the unit. |
| Compatibility | CCITT Group 3 meeting T.30 specifications |
| Telephone Handset | Dialing: Tone/Pulse (DTMF/10pps) |
| | Station memories: 9 (16 digits each) |
| | Last number redial. |
| Connection requirement | USOC RJ11C Modular Jack or equivalent. |

## *Specifications are subject to change without notice*