MINOLTAFAX 3000

Operator's Manual

MINOLTA

CONTENTS

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

(1) This equipment complies with Part 68 of the FCC rules. On the side of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

(2) Applicable registration jack: USOC RJ11C

(3) The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive REN's on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the REN's should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total REN's contact the telephone company to determine the maximum REN for the calling area.

(4) If plain paper facsimile MINOLTAFAX 3000 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

(5) The telephone company may make changes in it's facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

(6) If trouble is experienced with this equipment MINOLTAFAX 3000, please contact Minolta Corporation. 101 williams Drive Remsey, New Jersey 07446 Tel 201-825-4000 for repair and (or) warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.

(7) This equipment is hearing aid compatible.

WHEN PROGRAMMING EMERGENCY NUMBERS

AND / OR

MAKING TEST CALLS TO EMERGENCY NUMBERS

1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.

2. Perform such activities in the off-peak hours, such as early morning hours or late evenings.

WARNINGS

● Power

Please plug the power cord into a standard volt wall socket. Do not use this equipment in overseas locations where electrical power voltages are different.

When installing the power plug, please be sure to insert it firmly and completely into wall socket. When removing the power cord, do not pull on the cord itself. Grasp the plug firmly to pull it out of the wall socket.

Failure to follow these precautions can result in plug-socket electrical contact problems which may cause your equipment to malfunction. Also, please avoid plugging too many electrical devices into a single wall socket using a "star cluster" type extension cord arrangement. This practice is very dangerous. Please remove the power plug from the wall socket whenever there is a lightning storm in your area. Also, avoid plugging electrical appliances that create a large amount of electro-magnetic noise (such as air conditions electric typewriters, etc.) into the same wall socket as that used by your equipment.

● Placement of the equipment

(1) Place your equipment horizontal on stable surface, which does not shake or vibrate in any way.

(2) Keep your equipment away from direct sunlight. This can sometimes deform or discolor plastic parts or recording paper, or cause other problems.

(3) Keep away from water. If any water does inadvertently enter the equipment, unplug at the AC power cord immediately and contact your local dealer for technical assistance.

(4) Avoid placing the equipment in high temperature or high humidity locations. Placement near water faucets, space heaters, gas ranges etc. can adversely affect the recording paper and cause a deterioration in print quality.

(5) Choose a location with a minimum amount of dust. If dust enters the equipment, it can degrade printer and scanner quality, or cause even more severe equipment malfunctions and physical damage.

(6) As much as possible, keep other electrical appliances (television, radio, etc.) away from the equipment. Electro-magnetic noise can cause a deterioration of performance when adequate isolation is not provided. Be sure the power cable remains free from any crimping to prevent electric shock or fire.

In order to prevent damage to your new equipment, do not remove any screws (unless otherwise instructed) or open the equipment case itself.

Since the equipment incorporates many delicate, high-precision components, try to maintain a temperature range of 5~35°C (41~95°F), and a humidity range of 35~80% at all time in the room where the equipment is placed.

However, when room temperature is cool and a heater is used to quickly heat the room, condensation may form inside the equipment case. This can cause paper jamming or other operation problems. In this case, turn on the equipment and wait until the temperature inside the equipment case has risen and the moisture has been removed before beginning facsimile operation.

When the equipment case or control panel gets dirty, wipe it gently with a soft cloth using a mild synthetic detergent. Be sure never to use any volatile chemical cleaners, which can cause discoloration or deformation of plastic parts.

● Extraordinary malfunctions

When an extraordinary malfunction occurs, please turn off the power switch on the right side of the equipment then call your local dealer for the service.

INTRODUCTION

Thank you very much for your purchase of this PPC-FAX.
This equipment is used for transmission/reception of G3/G2 facsimile, to transmit the document, drawing, etc. through the use 0.3~3.4kHz voice frequency by connecting it to the telephone line.
Also, this is a plain paper facsimile with electrophotography (Laser Beam Printer : LBP) so that this equipment is silent and compact. It offers high quality print, easy maintenance and lower consumption cost.

The following are the major features included in this equipment.

(1) Allows transmission/reception of the document, drawing, etc. having width of less than 280mm/11.2" (effective scanning width is 248mm/9.9") both under the standard mode and fine mode.

(2) Transmission modes of "STANDARD" and "FINE" are fully conforming to CCITT recommendation.

(3) Allows automatic reception from addressee by calling from address if "AUTO/MANUAL"(reception mode) has been set to "AUTO".

(4) Provided with multi-copy (max. 99 copies) function in which mode is fixed to "FINE" mode.

(5) Can reduce B4 sized paper to A4 size (or letter size).

(6) Allows contrast to be changed to "NORMAL", "LIGHT" or "DARK", depending on contrast of the original document.

(7) Provided with ADF (automatic document feeder) function, to feed approximately 30 standard documents continuously.

(8) Provided with display (alphanumeric 24 digits x 2 lines LCD) to indicate the communication destination, operation procedure, etc.

(9) Provided with such function as to print addresser and page at start end of reception screen at the addressee.

(10) Provided with self-diagnosis function that prints out communication result status as control report (named "activity report"). Also, makes it possible to print out the report automatically when total number of communications reaches 40.

(11) Abbreviates facsimile number of addressee to two digits after pressing SPEED DIAL key, so that a maximum of 72 addressees can be registered.

(12) Allows facsimile number of addressee to be registered in one touch key up to a maximum of 28 addressees.

(13) Allows operation procedures such as addressee, time designation, confidential communication designation, etc. to be programmed to one touch key up to a maximum of 28 (bear in mind that a key which has been registered as a one touch key is unable to be programmed).

(14) Provided with two-way redial function which allows two telephone numbers (for facsimile and for talking) to be stored in one touch dial, speed dial.

(15) Allows list of facsimile numbers (registered in one touch key, speed dial) to be printed out.

(16) Provided with 4,800bps (bits per second) starting transmission mode for a situation that involves transmitting to another country where telephone line condition is not good, to minimize any transmission error.

(17) Provided with talking reservation function which allows talking with the addressee after completion of transmission or reception when the PHONE/SP key is pressed during transmission or reception.

(18)Provided with multi-address transmission function which allows the same document to be transmitted to a maximum of 100 addressees.

(19)Allows timer transmission/timer polling reception to be designated up to a maximum of 30 times.

(20)Provided with confidential communication function using 4 digit password number.

(21)Provided with substitute reception function which allows reception information to be stored in memory automatically in case of problems such as when recording paper runs out, printer problem, etc.

(22)Provided with closed network function in which facsimile numbers or ID codes are used to prevent unwanted transmission/reception.

(23)Allows other communication function to be reserved during memory transmission and reception.

(24)Provided with automatic error re-transmission function (ECM) conforming to CCITT.

(25)Provided with reverse polling function so that the document is transmitted to the addressee where the polling document is set, and the document of the addressee can be received thereafter without interrupting the line.

(26)Provided with half tone (16 levels) suitable for transmission/copying of photo, etc.

(27)Provided with control report output function by department (max. 30)

(28)Three kinds of cut sheet paper (A4, letter, legal) can be used.

(29)8 ppm high-speed printing

(30)Supply units are replaceable quickly and easily.

All of the necessary information for setting up, operating and caring for the equipment is included in this manual.
To effectively use the equipment and to keep it in good condition for a long time, please read this instruction manual thoroughly and keep it for future reference.

1. PARTS DESCRIPTION AND FUNCTIONS

1-1. Parts Description

Upper Unit   Top Cover   Document Tray

Control Panel

Copy Tray

Paper Cassette
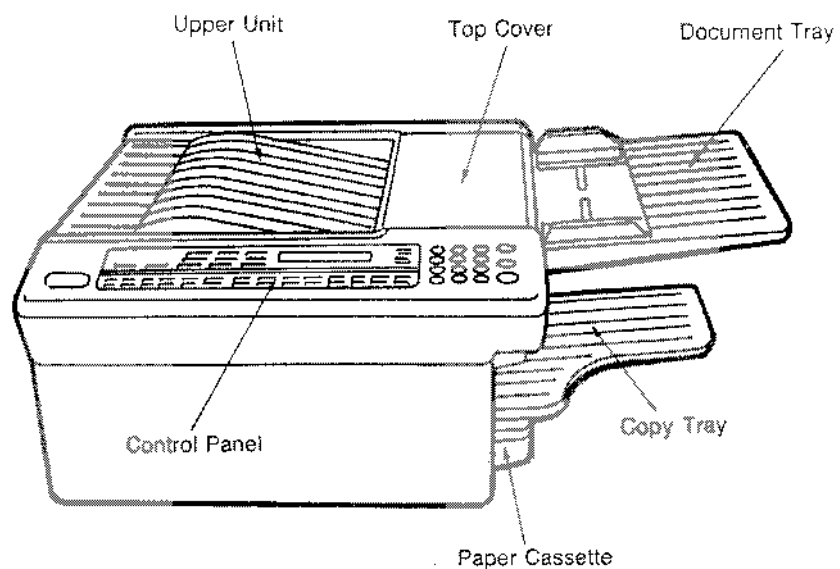
< Fig. 1-1. View from front side >

Fan

AC Inlet

Jam Lid
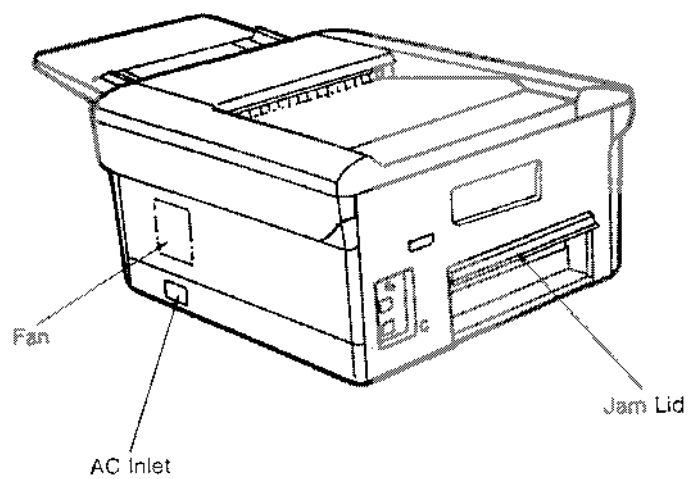
< Fig. 1-2. View from back side >

Document Tray

Photoconductor Unit

Developing Unit

Cleaning Felt

Power Switch
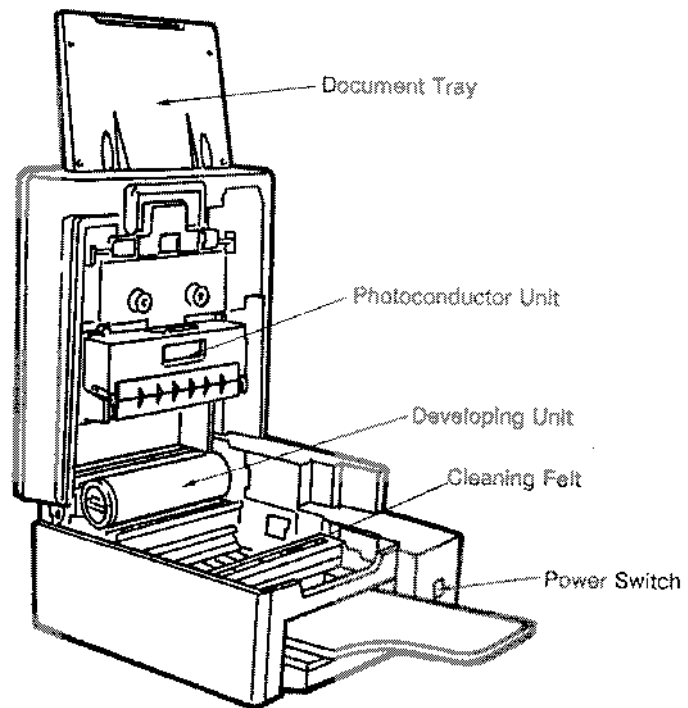
< Fig. 1-3. View from front side >

1-2. Functions
1-2-1. Funcutions of keys

< Fig. 1-4. Keys of the control panel >
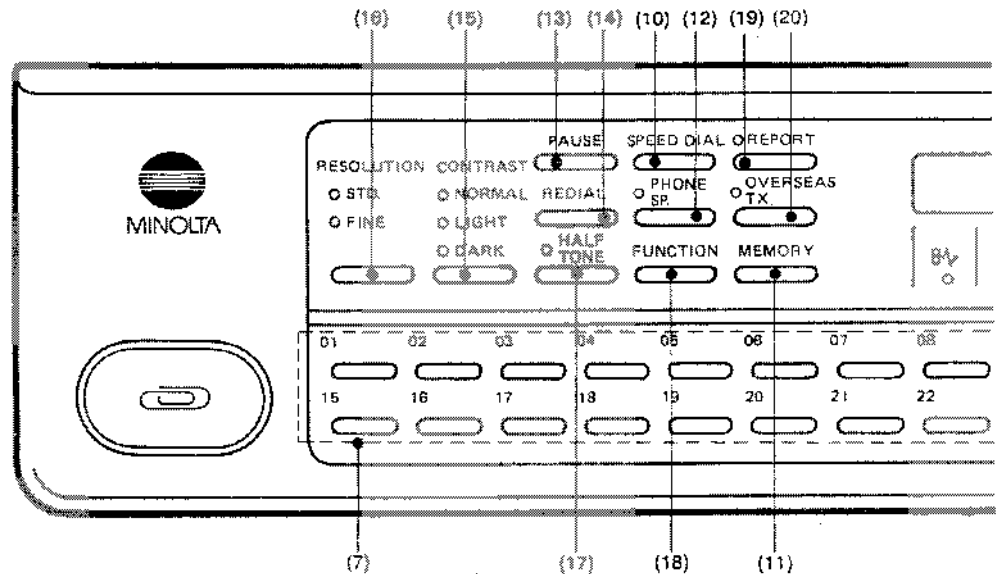
(1) TEN keys . . . . Press to input individual telephone number, or some kinds of data.

(2) START . . . . Press to start transmission or make copy, or to start reception in manual mode.

(3) STOP . . . . Press to stop transmission, copying or any other operation.

(4) CLEAR . . . . Press to cancel the last inputted code.

(5) COPY . . . . Press to select copy function.

(6) MENU . . . . Press to register the conditions for designated time communication, confidential communication, multiple addressing, etc.

(7) ONE TOUCH KEYs . . . . These are two ways ; one is that they are used in one-touch dialing to register the facsimile number ; it is capable of storing a maximum of 28 numbers. And the other is that they are used to enter the ID code, party's name, etc.

(8) SHIFT 1 . . . . This key is the 27th key of the one touch dial, and used to shift the next registration character from the upper-case alphabet to lower-case one.

(9) SHIFT 2 . . . . This key is the 28th key of the one touch dial, and used to shift the next registration character from the alphabet to the special character in registering some code.

(10)SPEED DIAL . . . . Press this key before pressing two digits in the abbreviated dialing.
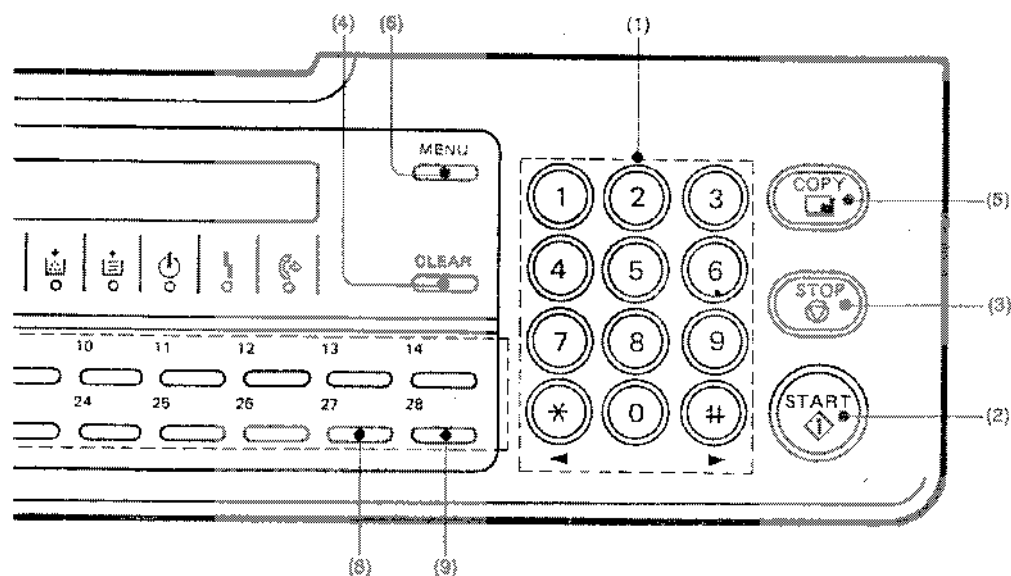
(11)MEMORY . . . . Press to store the document in memory for memory transmission mode.

(12)PHONE/SP . . . . Talking becomes possible by pressing the key within 3 seconds after communication when it is necessary to talk after completing the facsimile communication.

(13)PAUSE . . . . This key is used when interrupting the operation temporarily. If no operation is performed after pressing the key, the original condition is restored 3 minutes thereafter automatically.

(14)REDIAL . . . . Press this key when necessary to redial the last number dialed.

(15)LIGHT/NORMAL/DARK . Press this key to select the contrast of the sending document. It is selected cyclically.

(16)STD/FINE . . . . Press this key to select the density of the sending document. It is selected cyclically.

(17)HALF TONE . . . . Press this key to send or copy the document in half tone mode.

(18)FUNCTION . . . . Press this key to change the settings of the equipment.

(18)REPORT . . . . Press this key when necessary to output the communication report after completion of the facsimile communication.

(20)OVER SEA TX. . . . . Press this key for transmission to overseas, etc. in which the communication condition is not good. The first MODEM transmission rate is normally set to 9,600bps. When the key is pressed, however, it will be 4,800bps.

1-2-2. Functions of lamps and icons
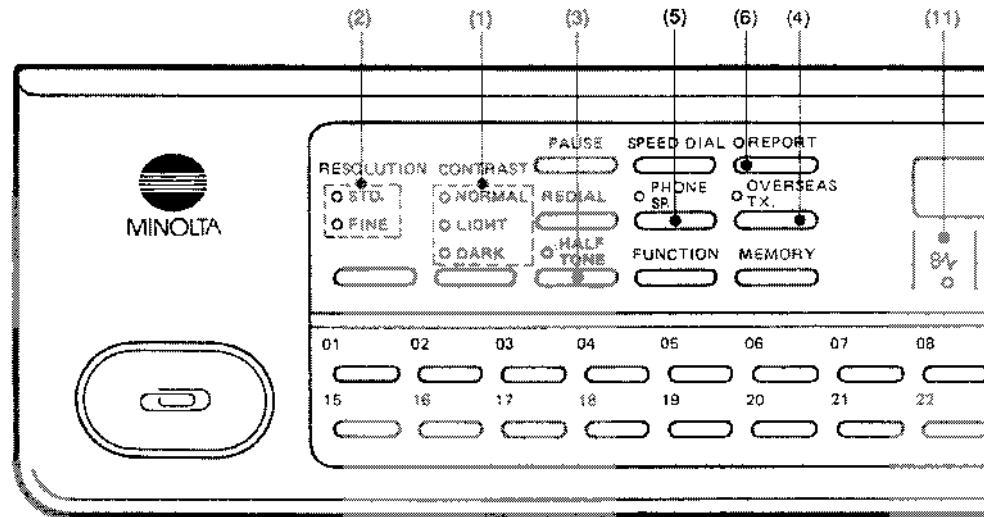
< Fig. 1-5. Control panel lamps >

(1) **DENSITY OF THE DOCUMENT**

LIGHT ..... Lights "green" when you select the density of sending or copying document as light by pressing LIGHT/NORMAL/DARK button.

NORMAL ... Lights "green" when you select the density of sending or copying document as normal by pressing LIGHT/NORMAL/DARK button.

DARK ..... Lights "green" when you select the density of sending or copying document as dark by pressing LIGHT/NORMAL/DARK button.

(2) **RESOLUTION OF THE DOCUMENT**

FINE .... Lights "green" when you select the resolution of sending document as "fine". The resolution of the document is fine whenever you are copying.
You may select this mode when the document contains small characters or drawings. The resolution in this mode is 8pels/mm x 7.7lines/mm (203dpi x 196lpi).

STD .... Lights "green" when you make the resolution of sending document "standard".
The resolution in standard mode is 8pels/mm x 3.85lines/mm (203dpi x 98lpi).

(3) **HALF TONE** .. Lights "green" when you select half tone mode. In half tone mode, the document is scanned by a special pattern. You may select this mode when the document contains pictures.

(4) **OVER SEA TX** Lights "green" when you select "oversea" transmission mode.

(5) **PHONE/SP** ... Lights "green" when calling the other party.

(6) **REPORT** ..... Lights "green" when report-output-mode is selected.
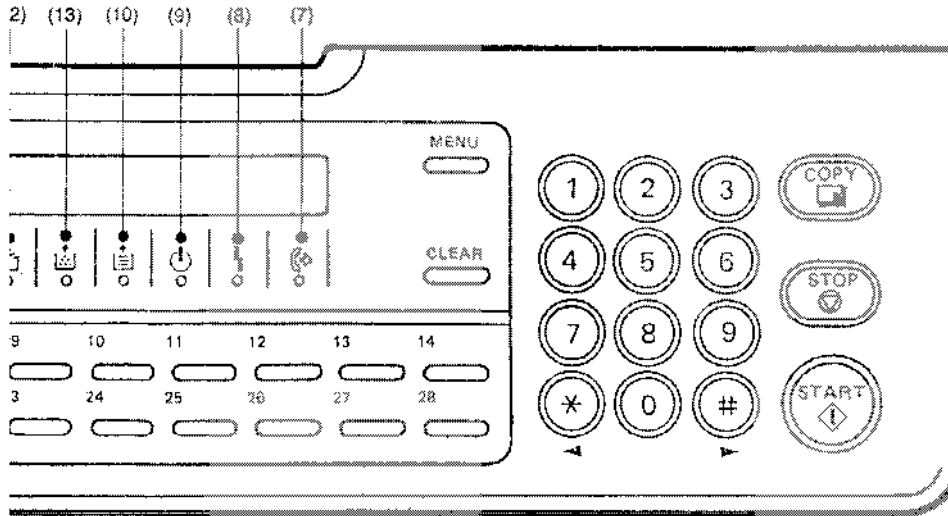
(7) ⟨⇨⟩ .... Lights "green" while transmitting or receiving the document.

(8) ⌇ .... Lights "red" when a problem occurs during document transmission.

(9) ⏻ .... Lights "red" while the equipment is warming up. It is approximately 90 seconds after AC switch is turned on.

(10) ⬇≣ .... This icon lights "red" when the paper cassette is empty. The received data (A4 sized 11 pages in standard or 58 pages with extended memory approximately) are stored in memory during "NO PAPER".

(11) 8⤓ .... Lights "red" when the recording paper is jammed. You can recover missing pages when the jam is cleared.

(12) ⌂ .... Lights "red" when the upper unit of the equipment is ajar.

(13) ⬇⬚ .... Lights "red" when toner cartridge needs to be replaced.

2. ACCESSORIES AND INSTALLATIONS

This chapter details several jobs (unpacking, installation, connection, registration etc.) before power on.
Doing these jobs correctly ensures that your new equipment is kept in good condition for a long time. Please read the followings and do the installation.

2-1. Unpacking instructions

To unpack your new equipment.

(1) Open the carton.
(2) Remove the accessories.
(3) Remove the equipment from the carton together with both sides of styrofoam braces.
(4) Remove the polyethylene bag which wraps the equipment.
(5) Remove the transportation tapes.
(6) Save the carton and styrofoam braces for re-shipment.
(7) Place the equipment in a suitable location. Refer to warnings.

• Accessories

Check that the package has its all of its accessories. If any one is missing, please contact local dealer.

(1) Document tray   1 unit
(2) Copy tray   1 unit
(3) Power supply cord   1 unit
(4) Paper cassette (letter size)   1 unit
(5) Modular cable   1 piece
(6) Handset and cradle   1 set
(7) One touch sheet   2 pieces (have already been installed)
(8) Letter of warrant   1 sheet
(9) User's manual   1 copy
(10) Carrier sheet   1 sheet
(11) Developing unit   1 unit
(12) Photoconductor unit   1 unit (already been installed)

< Fig. 2-1. Accessories >
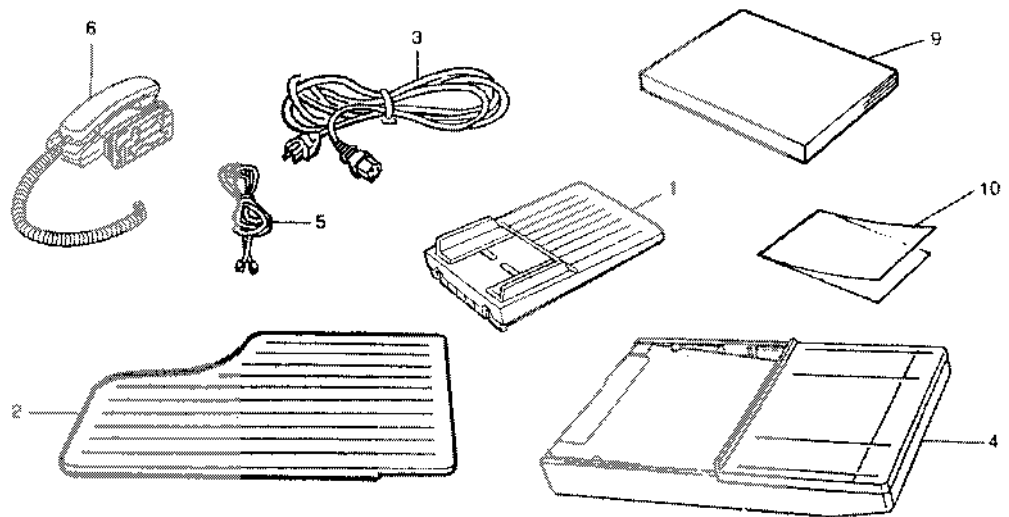
NOTE :
The handset and its cradle are optional parts in some models.
And the following are optional parts. Please contact your local dealer if these are necessary.

(1) Recording paper cassette (A4 or legal size)
(2) Extended memory board

< Fig. 2-2. Options >
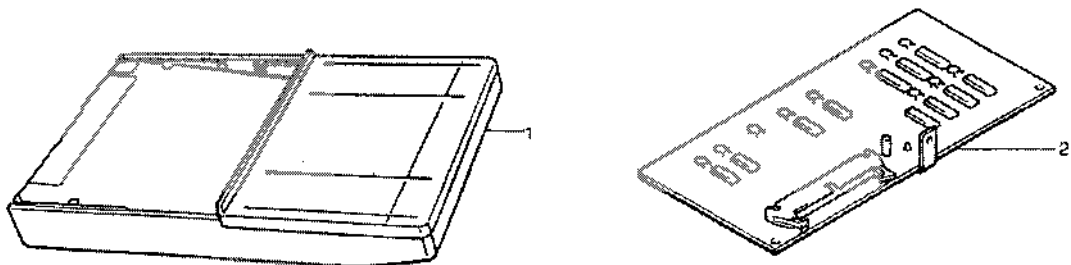
2-2. Installation

The following paragraphs describe:

(1) Installing the Developing unit and Toner cartridge
(2) Installing the paper cassette
(3) Installing the Copy Tray
(4) Installing the Document Tray
(5) Installing the handset
(6) Connecting the Telephone line
(7) Power on

2-2-1. Installing the Developing unit and Toner cartridge

(1) With the power switch turned off and the power cord disconnected from the AC outlet, open the upper unit by pulling the lever slowly that is below the scanner unit at right side of the equipment as shown in Fig. 2-3. Check that the inside of the equipment is clean. If dirty, clean with a damp (or wet) cloth.

< Fig. 2-3. Opening the upper unit >
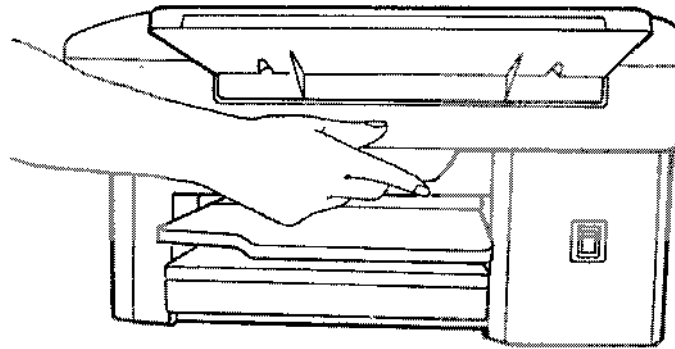
(2) Take out developing unit from the packing box (do not remove any plastic protective sheets from the toner or developer yet), hold developing unit with both hands, and shake right and left gently as shown in Fig. 2-4.

Shake Gently

<Fig. 2-4. Agitating the developing unit>
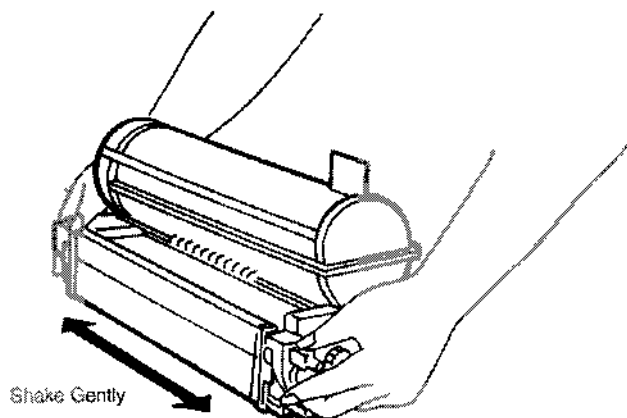
(3) Remove plastic cover and sheet of foam, as shown in Fig. 2-5, and pull to remove the plastic tab on top of developing unit.
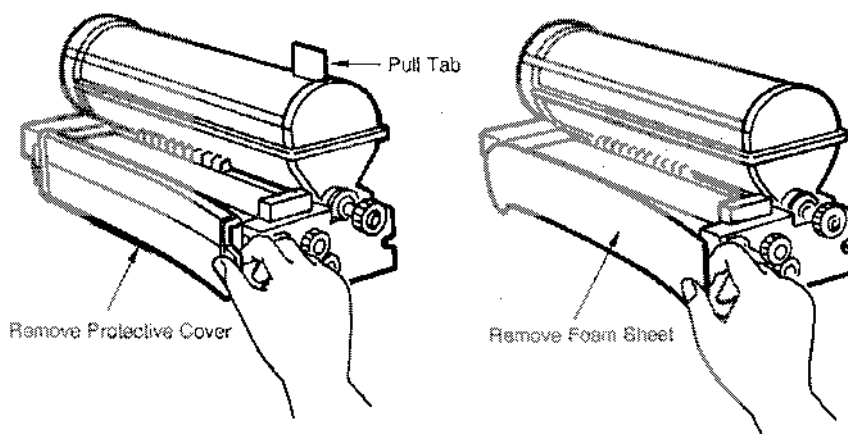
Pull Tab

Remove Protective Cover

Remove Foam Sheet

<Fig. 2-5. Removing protective plastic and sheet of foam from the developing unit>

(4) Take out toner cartridge from the packing box, hold with both hands, and shake left and right, as shown in Fig. 2-6.

Shake Gently

<Fig. 2-6. Agitating the toner cartridge>
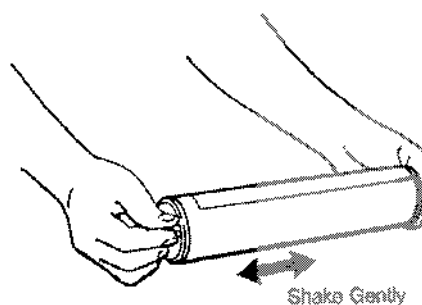
(5) Insert toner cartridge into the developing unit while slowly pulling off the protective film.
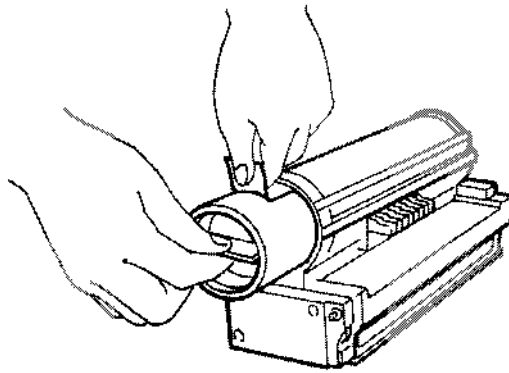
< Fig. 2-7. Insertion of toner cartridge >

(6) Turn the toner cartridge to the left (counterclockwise) until it stops.
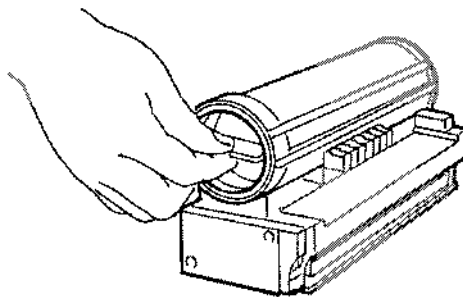
< Fig. 2-8. Turning toner cartridge >

(7) Hold the center of the developing unit to set securely to the holder.

Holder
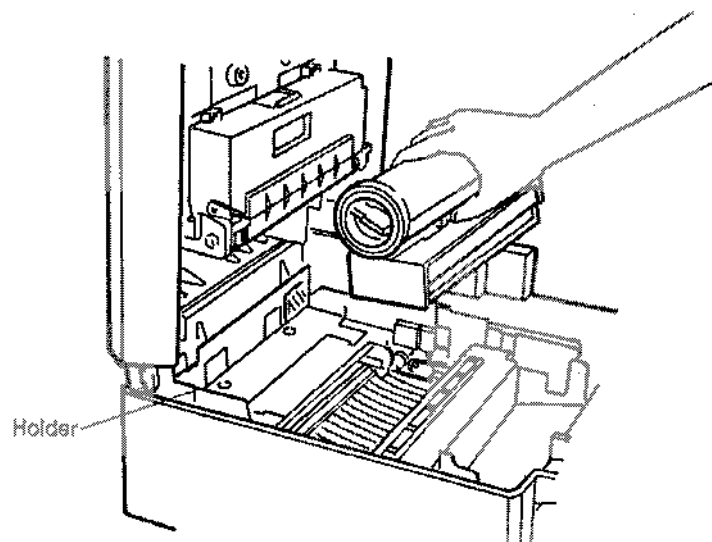
< Fig. 2-9. The way to set of the developing unit >

(8) Close the upper unit as shown in Fig. 2-10.
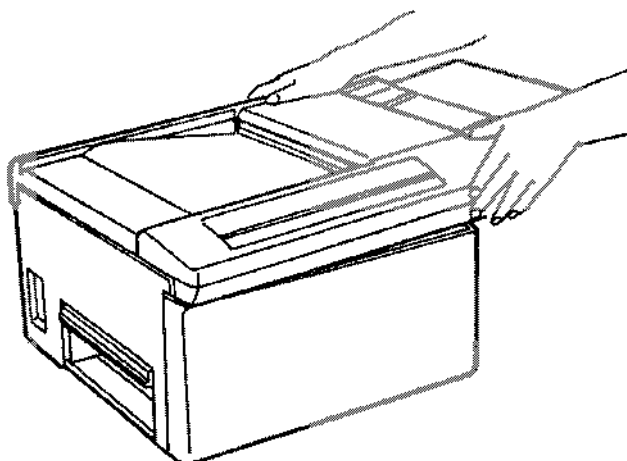
< Fig. 2-10. Close the upper unit >

2-2-2. Installing the paper cassette

NOTE:
Using paper that is not of the recommended quality can shorten the life of the drum. Oddly cut paper may jam during printing. Never use paper that is curled, wrinkled, or torn, since this jams during printing. Refer to section 7-8-4-1.

(1) Remove paper cassette cover.

(2) Fan sheets of paper thoroughly (two or three times, lengthwise and crosswise) and align paper in stack.

(3) Push down on the spring paper plate in the paper cassette, and place paper under separation claws as shown in Fig. 2-11.

Separation Claws
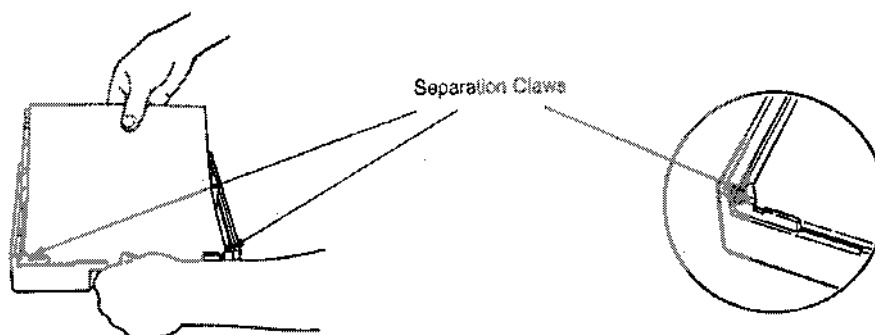
< Fig. 2-11. Placement of paper in the cassette >

(4) Replace cassette cover and insert loaded paper cassette into main unit as shown in Fig. 2-12.
Be sure to make the direction of cassette.

NOTE:

Do not leave paper loaded in the unit if it is stored or not being used, since the paper may absorb moisture over time and later jam in the paper path.
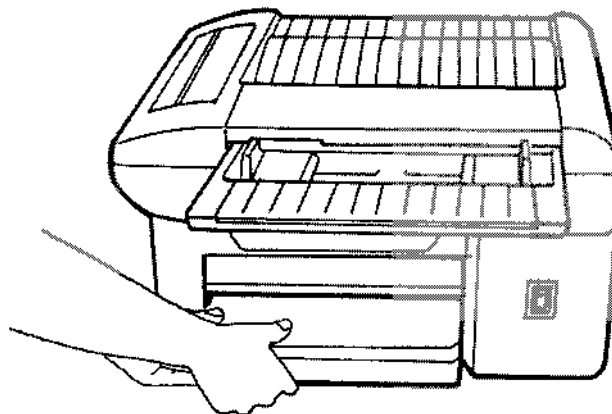
< Fig. 2-12. Loading paper cassette >

2-2-3. Installing the Copy Tray

(1) Set the copy tray as shown in Fig. 2-13.
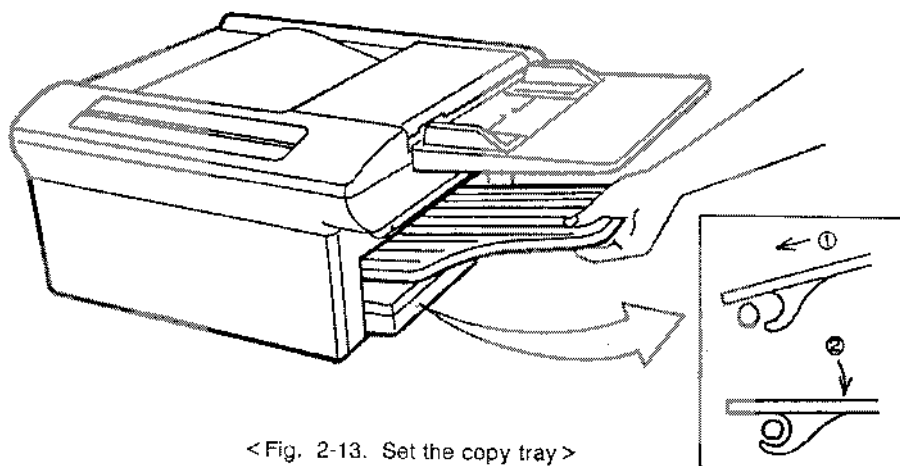
< Fig. 2-13. Set the copy tray >

2-2-4. Installing the Document tray

(1) Open the top cover of the equipment (See Fig. 2-14).

<Fig. 2-14. Open the top cover>
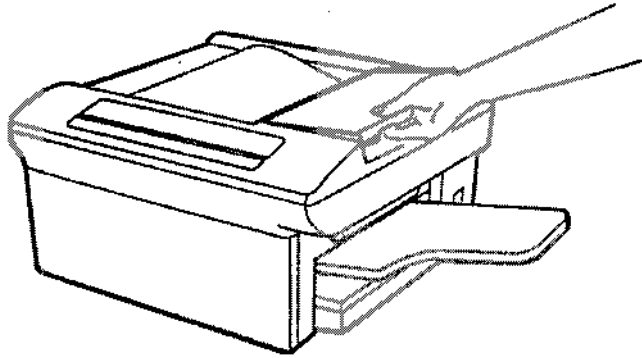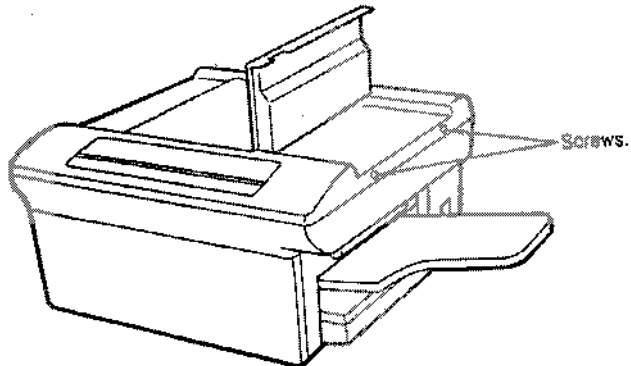
(2) Loosen two screws.

Screws.

<Fig. 2-15. Loosen two screws>

(3) Insert the Document tray correctly.
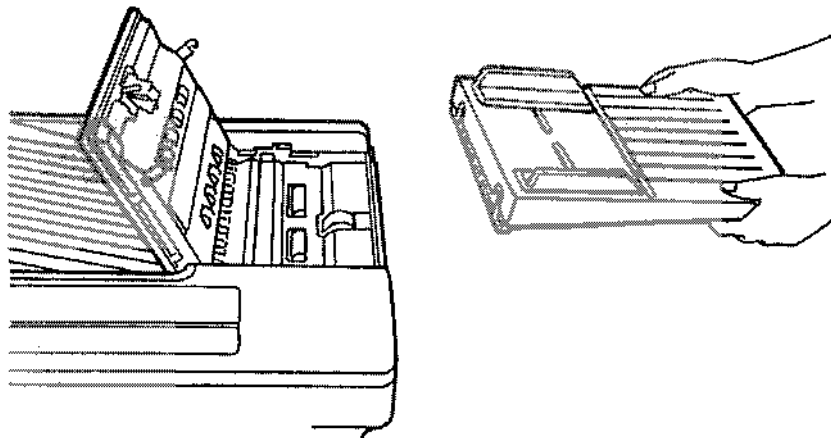
<Fig. 2-16. Installing the document tray>

(4) Tighten the screws again.

(5) Close the top cover.

2-2-5. Installing the handset

2-2-5-1. Connecting the handset and its cradle

(1) Turn off the switch of the equipment, and pull out AC cord.

(2) Pull out the connector from the equipment, and connect the connector of equipment to the connector of the cradle as shown in Fig. 2-17.

<Fig. 2-17. The way to connect the cradle >
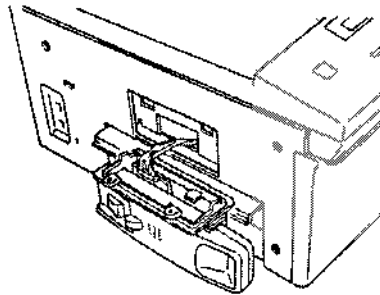
(3) Set the cradle to the equipment as shown in Fig. 2-18.

<Fig. 2-18. Setting the cradle >
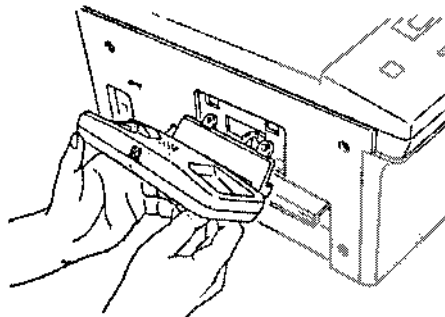
(4) Open the upper unit and fasten the 2 screws to fix the cradle as shown in Fig. 2-19.

<Fig. 2-19. Fasten the screws >
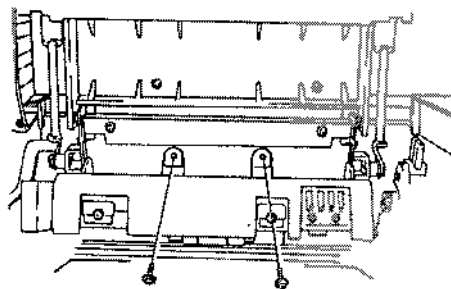
(5) Connect the cradle to the dedicated handset with the attached cord (RJ-11C connector). Refer to Fig. 2-20.
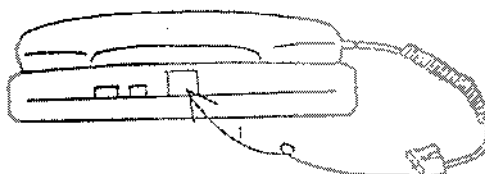
< Fig. 2-20.   Attach the cord >

2-2-5-2. Connecting the standard telephone

(1) If you wish to use the standard telephone with the Facsimile unit, Please follow the instructions below.

(2) Switch off and unplug the equipment.

(3) Connect the telephone to the connector named TEL located at left side of the equipment. This equipment uses 6-2 modular connector. When the adaptor type does not match, purchase a commercially available adaptor or contact your local dealer.
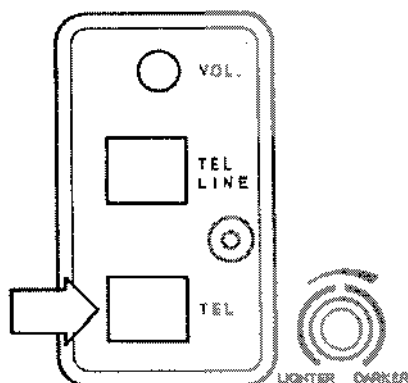
< Fig. 2-21. The way to connect the standard telephone >

NOTE:
Be careful not to mistake TEL and TEL LINE.

2-2-6. Connecting the telephone line

This equipment is connectable with not only PSTN (Public Switched Telephone Network) but PBX (Private Branch Exchange).

(1) Switch off and unplug the equipment.

(2) Connect the telephone line to the 6-2 modular connector at left side of the equipment as shown in Fig. 2-22. When the adapter shape of the telephone line is not matched, contact your local dealer.
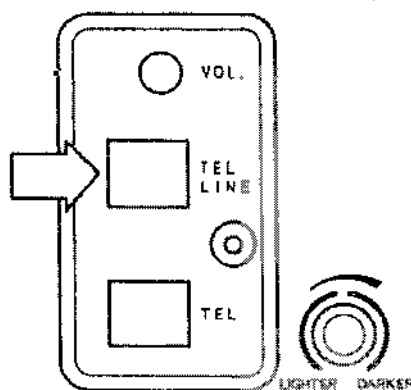
< Fig. 2-22. connecting the telephone line >

NOTE:
Connection should be done by your local dealer or technical assistance in some countries. Be careful not to mistake TEL and TEL LINE. And misconnect L1 and L2.

(3) Hook off the handset of telephone set to check that talking is executable. When talking is not possible, check that the telephone set is selected to the proper mode (PB/10PPS/20PPS) setting.
If talking fails to be executed property, please contact your local dealer.

2-2-7. Power on

This is the end of installation procedure. Please confirm the followings again before turning the power on.

- Developing unit, Toner cartridge and Drum unit installation.
- Paper cassette installation
- Document tray installation
- Copy tray installation
- Handset and cardle installation
- PSTN connection

The followings describe the confirmation test.

(1) Plug AC cord and turn AC switch on at right side of the equipment.

(2) Do single copy to check the scanner and printer quality and function. Refer to section 5-5-2.

(3) Talk with some other party by using the standard telephone or handset to check the communication unit.

(4) Do basic transmission to check the facsimile function. Refer to section 5-1.

(5) Do basic reception to check the facsimile function. Refer to section 5-4 and 5-5-1.

3. DATA SETTING

The one touch dial can register a total of 28 locations. Each one touch key can be designated as the following:
- · facsimile number
- · telephone number
- · name
- · starting MODEM speed

The one touch key can save you a large amount of dialing time.

3-1. How to enter characters and numbers

Entering Characters

When entering characters for data setting, please follow the below.
(1) For alphabets, press one touch keys by reffering the third layer of the one touch sheet as shown in Fig. 3-1.
(2) For figures, press ten keys.
(3) Press [#] at ten keys to make a space or move the cursor forward.
(4) Press [✳] at ten keys to move the cursor backward.
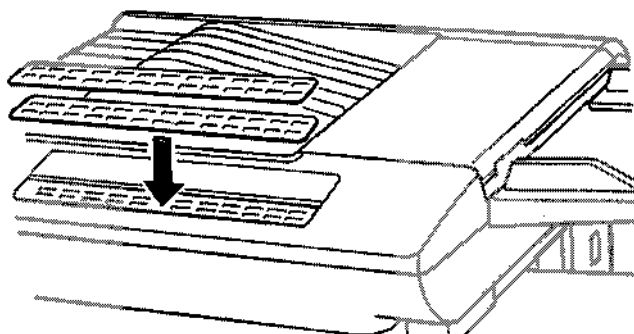
< Fig. 3-1. The layers of the one touch sheet >

Entering Phone Numbers Or Code Numbers

When entering telephone numbers or code numbers for departments or passwords, please follow the below.
(1) Press ten keys.
(2) Press [FUNCTION] key to make a visual space on the display.
(3) When an auto-pause is needed, press [PAUSE] key, for instance, after overseas calling code, after [9] to get out of PBX etc.
(4) To correct the wrong number press [CLEAR] , [✳] or [#].

3-2. One touch dial registration and list

The one touch dial can register a total of 28 locations. Each one touch key can be registered as the following.

- The other party's facsimile number
- The other party's telephone number to talk
- The other party's name
- Starting MODEM speed

Please refer to the section "How to enter characters and numbers" before programming.

(1) Press [FUNCTION] key. And LCD displays:
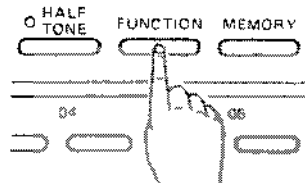
```
SELECT FUNCTION

              0-9
```

(2) Press [1] key. And the LCD display:
OT-KEY means one touch key.

```
SET UP OT-KEY

    OT-KEY/COPY/MENU
```

(3) Press the one touch key, for example [01].
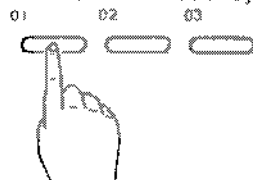
```
FAX=

        0-9/CL/MENU
```

If the pressed key has been registered, the alarm is sounded and LCD turns to show this:

```
ALREADY SET FOR OT-KEY


```

And then, the facsimile number registered currently is displayed.

```
FAX=01-2345-6789_

               MENU
```

You may enter new number by pressing [CLEAR] or quit this registration by pressing [STOP].
To continue as it is, skip the next step.

(4) Enter the facsimile number. For example [0][1][2][3][FUNCTION][4][5] [FUNCTION][6][7][8][9]
Maximum 32 digits can be entered.

```
FAX=0123-45-6789_

        0-9/CL/MENU
```

Note:
Press [PAUSE] when auto-pause is needed and the LCD displays ";".

(5) Press ⬚MENU , and the LCD turns to:

MENU

```
TEL=_

       0-9/CL/MENU
```

If it is not necessary to enter the number for normal telephone, skip the next step.

(6) Enter the telephone number. For example ⬚0 ⬚1 ⬚FUNCTION ⬚2 ⬚3 ⬚4 ⬚5 ⬚FUNCTION ⬚6 ⬚7 ⬚8 ⬚9

```
TEL=01-2345-6789_

       0-9/CL/MENU
```

(7) Press ⬚MENU , and the LCD displays:

MENU

```
NAME=_

    CHARACTER/CL/MENU
```

(8) Enter the other party's name. For example ⬚A ⬚B ⬚C ⬚# ⬚C ⬚SHIFT1 ⬚0 ⬚SHIFT1 ⬚P ⬚SHIFT2 ⬚N ⬚SHIFT2 ⬚L ⬚# ⬚L ⬚SHIFT1 ⬚D ⬚SHIFT2 ⬚N
Maximum 16 characters can be entered.

```
NAME=ABC Cop., Ltd._

    CHARACTER/CL/MENU
```

(9) Press ⬚MENU , and the LCD displays:

MENU

```
MODEM START SPEED=1

    1:9600/2:4800/MENU
```

If lower MODEM speed is preferable, press ⬚2 . Bear in mind that the communication may not be at high speed depending on the condition of international communication line.

(10) Press ⬚MENU , and go back to the step 2.

MENU

```
SET UP OT-KEY

    OT-KEY/COPY/MENU
```

(11)Press STOP to finish the registration.

To get the One Touch Dial List, follow above step 1 and 2 and then press
COPY .

```
OT-KEY LIST

              PRINTING
```

3-3. Speed dial registration and list

The speed dial can register a total of 72 locations. Each one can be registered as the following.

The other party's facsimile number

The other party's telephone number to talk

The other party's name

Starting MODEM speed

Please refer to the section "How to enter the characters and numbers" before programming.

(1) Press FUNCTION key. And LCD displays:
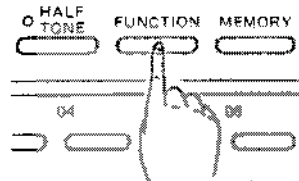
```
SELECT FUNCTION

              0-9
```

(2) Press 2 key. SP-No. means registration number of speed dialing.

```
SET UP SP No=_

      0-9/COPY/MENU
```

(3) Enter the speed dial number 01 to 72, for example 5 0

```
SET UP SP No.=50

      0-9/COPY/MENU
```

If the entered number has been registered, the alarm is sounded and LCD turns to show this:

```
ALREADY SET FOR SP-KEY

          CLEAR/MENU
```

And then, the facsimile number registered currently is displayed.

```
FAX=01-2345-6789

      0-9/CL/MENU
```

You may enter new number by pressing CLEAR or quit this registration by pressing STOP . To continue as it is, skip the next step.

(4) Enter the facsimile number. For example [0] [1] [2] [3] [FUNCTION] [4] [5] [FUNCTION] [6] [7] [8] [9]
Maximum 32 digits can be entered.

```
FAX=0123-45-6789_

          0-9/CL/MENU
```

NOTE :

Press [PAUSE] when auto-pause is needed and the LCD displays ";".

(5) Press [MENU], and the LCD turns to:

MENU


```
TEL=

          0-9/CL/MENU
```

If it is not necessary to enter the number for normal telephone, skip the next step.

(6) Enter the telephone number. For example [0] [1] [FUNCTION] [2] [3] [4] [5] [FUNCTION] [6] [7] [8] [9]

```
TEL=01-2345-6789

          0-9/CL/MENU
```

(7) Press [MENU], and the LCD displays:

MENU


```
NAME=_

       CHARACTER/CL/MENU
```

(8) Enter the other party's name. For example [A] [B] [C] [#] [C] [SHIFT1] [O] [SHIFT1] [P] [SHIFT2] [N] [SHIFT2] [L] [#] [L] [SHIFT1] [D] [SHIFT2] [N]
Maximum 16 characters can be entered.

```
NAME=ABC Cop., Ltd._

       CHARACTER/CL/MENU
```

(9) Press [MENU], and the LCD displays:

MENU


```
MODEM START SPEED= 1

    1:9600/2:4800/MENU
```

If lower MODEM speed is preferable, press [2].
Bear in mind that the communication may not be at high speed depending on the condition of international communication line.

(10) Press [MENU], and go back to the step 3.

MENU


```
SET UP SP No._

        0-9/COPY/MENU
```

(11) Press ⬚STOP⬚ to finish the registration.

To get the Speed Dial List, follow above step 1 and 2 and then press ⬚COPY⬚

```
SP-KEY LIST

            PRINTING
```

3-4. Program key registration and list

The program key is complex of up to 27 one touch keys, up to 72 speed dials and one temporary manual dial. Up to 28 program keys can be programed. Each program key can be registered as follows.

    Group of up to 100 stations for broadcast
    The other party's facsimile number
    The other party's telephone number
    The other party's name
    Dialing time for delayed communication
    Confidential transmission mode
    Reverse polling mode

Please refer to the section "How to enter characters and numbers" before programming.

(1) Press ⬚FUNCTION⬚ key. And LCD displays:
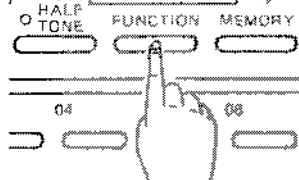
```
SELECT FUNCTION

            0-9
```

(2) Press ⬚3⬚ key. P-KEY means program key.

```
SET UP P-KEY

      OT-KEY/COPY/MENU
```

(3) Press the one touch key, for example ⬚01⬚ .
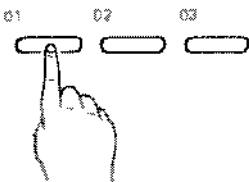
```
ENTER PARTY


```

If the entered number has been registered, the alarm is sounded and LCD turns to show this:

And then, currently registered data is displayed.

You may enter new data by pressing ⬚CLEAR⬚ or quit this registration by pressing ⬚STOP⬚ .

```
ALREADY SET FOR P-KEY

            CLEAR/MENU
```

```
NAME=ABC COMPANY

            CLEAR/MENU
```

(4) Enter the addressee by one touch dial, speed dial or manual dial. To enter multiple addressees, manual dial is to be done at last.
The data is displayed with the priority of name, facsimile number or telephone number.

```
NAME=ABC Cop., Ltd.

              CLEAR/MENU
```

When you enter the wrong addressee, press ⌷CLEAR⌷ .

CLEAR

(5) Press ⌷ MENU ⌷ , and the LCD turns to:

```
ENTER PARTY

```

MENU

To enter multiple addressees, continue step 4 and 5.

(6) Press ⌷ MENU ⌷ , and the LCD displays:

```
TIMER--:--

              START/MENU
```
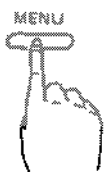
MENU

If it is not necessary to designate the dialing time, skip the next step.
To finish the registration on this program key, press ⌷START⌷.

(7) Enter the 24-hour time designation. For example ⌷1⌷⌷2⌷⌷3⌷⌷4⌷.

```
TIMER 12:34

              START/MENU
```

(8) Press ⌷ MENU ⌷, and the LCD displays:

```
CONF. PASSWORD ? 0000

              START/MENU
```

MENU

If it is not necessary to designate confidential transmission, skip the next step.
To finish the registration on this program key, press ⌷ START ⌷ .

(9) Enter 4-digit password for the confidential transmission (confidential mailbox). For example ⌷4⌷⌷5⌷⌷6⌷⌷7⌷ "0000" is not regarded as a password.

```
CONF. PASSWORD ? 4567

              START/MENU
```

(10) Press ⌈MENU⌉, and the LCD displays:

MENU

```
REVERSE POLLING    0

START/MENU/0:OFF/1:ON
```

If it is not necessary to designate reverse polling, skip the next step.
To finish the registration on this program key, press ⌈START⌉.

(11) Press ⌈1⌉ to designate reverse polling.

```
REVERSE POLLING    1

START/MENU/0:OFF/1:ON
```

(12) Press ⌈MENU⌉ and go back to step 4.
Addition or deletion of the addressee can be done on the same program key.

MENU

```
NAME=ABC Cop., Ltd.

            CLEAR/MENU
```

(13) Press ⌈STOP⌉ to terminate the resistration.

To get the Program Key List, follow above step 1 and 2 and then press ⌈COPY⌉.

```
P-KEY LIST

           PRINTING
```

3-5. Set up the time and date
This unit includes a calender and clock used for delayed communication, redialing and management.
Please refer to the section "How to enter characters and numbers" before programming.

(1) Press ⌈FUNCTION⌉. And LCD displays:

```
o HALF    FUNCTION   MEMORY
  TONE
```

```
SELECT FUNCTION

               0-9
```
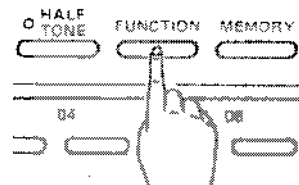
(2) Press ⌈8⌉. And LCD displays:

```
CLOCK/ID SET MODE

        1:CLOCK/2:ID
```

(3) Press ☐1 . And LCD displays:

```
┌─────────────────────┐
│ 03 01 '90     12:34 │
│                     │
│            0-9/MENU │
└─────────────────────┘
```

(4) Enter date and time in order of month, day, year and 24-hour time. For example ☐0☐1☐2☐3☐9☐0☐0☐7☐2☐3

```
┌─────────────────────┐
│ JAN.23 '90    07:23 │
│                     │
│            0-9/MENU │
└─────────────────────┘
```

(5) Press ☐ MENU ☐ to finish.


```
┌─────────────────────┐
│ JAN.23 '90    07:23 │
│                     │
│            0-9/MENU │
└─────────────────────┘
```

3-6. Set up the local telephone number

Your equipment telephone number, name and the closed network password can be registered.
Please refer to the section "How to enter characters and numbers" before programming.

(1) Press ☐ FUNCTION ☐ . And LCD displays:


```
┌─────────────────────┐
│ SELECT FUNCTION     │
│                     │
│                 0-9 │
└─────────────────────┘
```
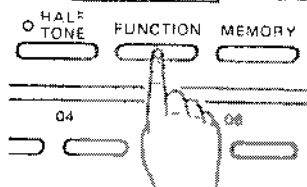
(2) Press ☐8 . And LCD displays:

```
┌─────────────────────┐
│ CLOCK/ID SET MODE   │
│                     │
│        1:CLOCK/2:ID │
└─────────────────────┘
```

(3) Press ☐2 . And LCD displays:
If it is not necessary to program the password, skip the next step.

```
┌─────────────────────┐
│ PASSWORD ?     0000 │
│                     │
│            0-9/MENU │
└─────────────────────┘
```

(4) Enter 4-digit password, for example ☐1☐2☐3☐4
With this closed network password you can limit communication within the units with same password to prevent unwanted transmission/reception. "0000" is not regarded as a password.

```
┌─────────────────────┐
│ PASSWORD ?     1234 │
│                     │
│            0-9/MENU │
└─────────────────────┘
```

(5) Press ☐ MENU ☐ . And the LCD displays:


```
┌─────────────────────┐
│ FAX=_               │
│                     │
│         0-9/CL/MENU │
└─────────────────────┘
```

If it is not necessary to register your facsimile number, skip the next step.

(6) Enter your local facsimile number. For example ⓪①②③ FUNCTION ④⑤ FUNCTION ⑥⑦⑧⑨
Maximum 20 digits can be entered.

```
FAX=0123-45-6789_

            0-9/CL/MENU
```

(7) Press ⌈ MENU ⌉ and the LCD displays:

MENU

```
NAME=_

        CHARACTER/CL/MENU
```

If it is not necessary to register the name, skip the next step.

(8) Enter your name. For example Ⓐ Ⓑ Ⓒ ⏻ Ⓒ Ⓞ Ⓜ Ⓟ Ⓐ Ⓝ Ⓨ
Maximum 16 characters can be entered.

```
NAME=ABC COMPANY_

        CHARACTER/CL/MENU
```

(9) Press ⌈ MENU ⌉ to finish.

MENU

3-7. Department code set up

With department control, you can restrict the use of your facsimile unit and review the usage by department.
Please refer the section "How to enter the characters and numbers" before programming department code.

(1) Press ⌈ FUNCTION ⌉. And the LCD displays:

○ HALF TONE   FUNCTION   MEMORY

04   06
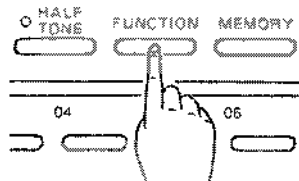
```
SELECT FUNCTION

                    0-9
```

(2) Press ⑤. And the LCD displays:

```
DEPARTMENT MODE

    COPY/1:PRINT/2:CODE SET
```

(3) Press ②. And the LCD displays:

```
ENTER DEPARTMENT CODE


```

(4) Enter 4-digit department code. For example ①②③④
"0000" is not regarded as a department code.

```
ENTER DEPARTMENT CODE

                    1234
```

(5) Press [MENU] and the LCD display:

MENU

ENTER DEPARTMENT ID

1234:_

(6) Enter department ID. For example [M][I][N][O][L][T][A]

ENTER DEPARTMENT ID

1234:MINOLTA_

(7) Press [MENU]. And the LCD displays:

MENU
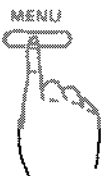
DEPARTMENT REGISTERED

(8) After the LCD returns to the step 3 automatically continue to program another department code, if any.

ENTER DEPARTMENT CODE

(9) Press [STOP] to finish.

STOP

- 3-11 -

4. FUNCTION MODE SETTING

Various function modes can be set up to use your equipment most efficiently.
To program these modes, follow the steps below.

(1) Press [FUNCTION]. And the LCD displays:

```
SELECT FUNCTION

                  0-9
```
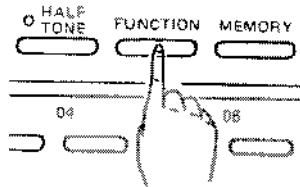
(2) Press [9]. And the LCD displays:

```
MEMORY SW SET UP MODE

                  MENU
```

(3) Press [MENU]. And the LCD displays:

```
ENTER MEMORY SW NO.      0

             0-14/COPY/MENU
```

(4) Enter [0] to [1][4] and press [MENU] depending on which function to set up.
Please refer to the Appendix A.

(5) Then select the mode as instructed by the LCD.
Press [STOP] to finish.

4-1. Manual/Auto Reception
Memory Switch No. 0

Leave at "AUTO" for normal use. If manual reception is required, select "MANUAL".

4-2. Dialing Method
Memory Switch No. 1

If your telephone line is a rotary dial line, select "10 PPS". Leave at "PB" for "touch tone service". Please contact your local telephone company for this information.

4-3. Pause Time
Memory Switch No. 2

You can select auto-pause time between 2 to 21 seconds. This pause is required for overseas calling or for getting an outside line on a PBX system.

4-4. Automatic Redialing
Memory Switch No. 3

The number of automatic redials can be selected between 0 to 5. In the case of line busy or no reply, the equipment redials every 3 minutes.

4-5. Number of Rings
Memory Switch No. 4

It determines how many times the equipment rings before starting reception.

4-6. Halftone Adjustment
Memory Switch No. 5 for standard halftone mode
Memory Switch No. 6 for fine halftone mode

If required, adjust the contrast on half tone mode by selecting the most desirable pattern.

4-7. Header Information On / Off
Memory Switch No. 7

If it is preferable not to transmit the header information including your name and date, please select "NOT ADD". Otherwise leave at "ADD"

4-8. Closed Network Communication
Memory Switch No. 8

If closed network communication is required, select "TEL" or "ID".
In the case of "TEL", the equipment prohibits reception unless the other party's phone number is registered into one touch dial or speed dial.
In the case of "ID" the equipment prohibits transmission/reception unless the other party is MINOLTAFAX3000 with the same closed network password and set to the "ID" closed network mode.

4-9. Transmission Report
Memory Switch No. 9

Select "ON" to print a transmission confirmation report after every transmission.
By selecting "ERROR", a report will be printed for every failed transmission.

4-10. Initial Resolution
Memory Switch No. 10

Select the initial resolution mode to return to automatically. "NO RET" means that initial mode is not specified, the mode will remain at the last setting.

4-11. Initial Contrast
Memory Switch No. 11

Select the initial contrast mode to return to automatically. "NO RET" means that initial mode is not specified, the mode will remain at the last setting.

4-12. Halftone/Normal Reset
Memory Switch No. 12

If automatic reset to halftone mode is desired after every transmission, select "HT". "NO RET" means that initial mode is not specified.

4-13. Department Control On/Off
Memory Switch No. 13

To activate department control, select "ON".

4-14. Automatic Reduction On/Off
Memory Switch No. 14

If it in not necessary to automatically reduce transmitted documents to match the other party's recording paper wdth, select "OFF". Otherwise, leave at "ON".

4-15. Power saving mode
To save energy, the Minoltafax 3000 printer can be programmed to enter an idle state when the printer is not in use. In this mode, a maximum of 90 seconds is required to warm up before print out. However it does not affect reception/transmission.

This is not a memory switch function. Follow the instructions below to set this mode.
And please refer to the section "How to enter characters and numbers".

4-15-1. Manual power saving mode
With Manual mode, power saving mode can be turned on continuously.

1. Press [FUNCTION] . And the LCD displays:


```
SELECT FUNCTION

                    0-9
```
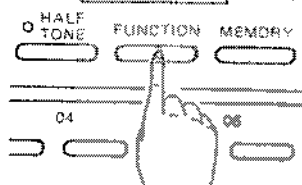
2. Press [6] . And the LCD displays:

```
POWER SAVE MODE

        1:MANUAL/2:TIMER
```

3. Press [1] . And the LCD displays:

```
POWER SAVE         0

            0:OFF,1:ON
```

4. Press [1] to turn the power saving mode on.
   To turn it off, press [0] .

```
POWER SAVE ON

```

5. The LCD returns to ready position automatically.

```
MAR.01 '90        12:34

```

4-15-2. Timer power saving mode

With this mode, power saving can be performed at the designated time.

1. Press [FUNCTION]. And the LCD displays:

```
SELECT FUNCTION

                    0-9
```
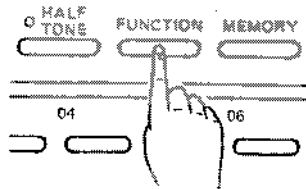

2. Press [6]. And the LCD displays:

```
POWER SAVE MODE

      1:MANUAL/2:TIMER
```

3. Press [2]. And the LCD displays:

```
POWER SAVE TIMER ?  0

            0:OFF,1:ON
```

4. Press [1] to get into the timer power saving mode.
   To get out of this mode, press [0].

```
POWER SAVE START TIME?

              __:__
```

5. Enter the 24-hour starting time of the power saving mode. For example
   [2][2][3][0]

```
POWER SAVE START TIME?

                22:30
```

6. Press [MENU]. And the LCD displays:

```
POWER SAVE END TIME ?

              __:__
```

7. Enter the 24-hour ending time of the power saving mode. For example
   [0][7][0][0]

```
POWER SAVE END TIME ?

                07:00
```

8. Press [MENU]. And the LCD displays:

```
POWER SAVE TIMER ON

```

9. And the LCD turns to ready position automatically.

```
MAR.01 '90      12:34

```

-4-4-

5. OPERATING PROCEDURE

5-1. Inserting documents

5-1-1. How to set documents on the document tray

1. Align the document pages face down.
   Up to 30 pages of letter or legal documents can be loaded at one time.
   Avoid inserting documents of different sizes and or thicknesses together.

2. Adjust the width of the document guides and place document against the guides.
   To stop the transmission before it is completed, press [STOP] after removing unfed pages.

3. Remove any clips, pins, or staples from pages before inserting.

5-1-2. Transmittable document types

(1) Width   :   165 mm to 280 mm or 6.4" to 11"
(2) Length   :   105 mm to 3,000 mm or 4.2" to 9.8"
(3) Thickness: 0.08 mm to 0.13 mm or 0.003" to 0.005"
(4) Quality   :   Uncoated high quality paper

5-1-3. Using carrier sheet

The followings types of pages must be inserted inside a standard carrier sheet for transmission.
Insert and transmit one carrier sheet at one time.

(1) Smaller than above specifications.
(2) Folded, torn, wrinkled or curled.
(3) Taped.
(4) Coated.
(5) Chemically treated paper such as pressure sensitive manifold paper.
(6) Rough paper.

5-2. LCD in ready position

At the ready position before each operation, the LCD indicates the mode to which the unit is set.

Department Control On:
When department control mode is turned on, the registered department code must be entered.

```
ENTER DEPARTMENT CODE

                 0000
```

Department Control Off:
When the unit is not restricted by department control, the LCD displays date and time.

```
MAR.01 '90        12:34


```

Delayed Transmission:
"DTX" indicates that delayed transmission has been registered. Simple timer transmission, timer memory transmission or timer sequential broadcast.

```
MAR.01 '90        12:34

DTX
```

NOTE:
In case delayed transmission has been registered with the document having been set on the document tray, when it is taken away from the tray (to send another document), an alarm sounds and the LCD displays as shown at the right. You may cancel registered timer transmission or reset those documents after sending another document.

```
MAR.01 '90        12:34

SET T-SEND DOC.
```

Polling Transmission:
"PTX" indicates that polling transmission has been registered.

```
MAR.01 '90        12:34

     PTX
```

NOTE:
In case polling transmission has been registered with the document having been set on the document tray, when it is taken away from the tray (to send another document), an alarm sounds and the LCD displays as shown at the right. You may cancel registered polling transmission or reset that document after sending another document.

```
MAR,01 '90        12:34

SET POLLING DOC.
```

Mailbox Reception:
"MRX" means that the received data has been stored in the memory as a confidential mailbox.

```
MAR.01 '90        12:34

        MRX
```

5-3. Simple transmission

You can transmit documents by using either one-touch dial, speed dial or the ten keypad.

1. Install the original pages into the unit. The LCD displays:

```
DOCUMENT READY

        ENTER PARTY
```

2. Using the ten keypad, one-touch dial or speed dial function, enter the other party's fax number. For example speed dial 01, press [SPEED DIAL] , [0] and [1] . And the LCD displays:

```
SP01=ABC COMPANY

        START/MENU
```

SPEED DIAL ⊂▭⊃ (0) (1)

2-1 For one-touch dial, just press one of [01] to [28] one-touch keys.

2-2 For direct dial by keypad, press numerical keys. When an auto-pause is needed, press [PAUSE] .

3. Press [START] key to start transmission.

```
012-3456-7890

        NOW CALLING
```

4. When transmission begins, the LCD displays the other party's name or number if it has been registered by the other party.

```
ABC COMPANY

        ON LINE
```

or

```
0876643210

        ON LINE
```

5. To cancel the transmission, remove unfed pages and press [STOP].

5-4. Memory transmission

In this mode, all of the documents are read rapidly into the memory, before transmission begins. Memory transmission saves operating time.

1. Install the original pages into the unit. The LCD displays:

```
DOCUMENT READY

         ENTER PARTY
```

2. Press `MEMORY` .
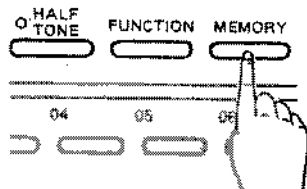

```
STORING DOCUMENT

               80%
```

And the document is read into the memory. "80%" means remaining memory capacity.

When all pages have been stored in the memory, the LCD changes to:

```
ENTRY PARTY
```

If the memory over-flows, the LCD turns to:
In this case, memory transmission can not be done. You may set the document on the document tray and do normal transmission.

```
MEMORY FULL

    CHANGE TO ADF TRANS
```

3. Using the ten keypad, one-touch dial or speed dial function, enter the other party's fax number. For example speed dial 01, press `SPEED DIAL` , `0` and `1` . The LCD displays:

```
SP01=ABC Co., Ltd.

           START/MENU
```


3-1 For one-touch dial, just press one of `01` to `28` one-touch keys.

3-2 For direct dial by keypad, press numerical keys. When an auto-pause is needed, press `PAUSE` .

4. Press `START` key to start transmission.

```
OT01=ABC Co., LTD

          NOW CALLING(E)
```


NOTE:
"(E)" on the LCD means that transmission reservation is executable.

5. To cancel the transmission, remove unfed pages and press `STOP` .

5-5. Facsimile reception

5-5-1. Automatic reception

When automatic reception mode has been selected, reception begins automatically (power switch must be turned on).

Please refer to the section "FUNCTION MODE SETTING, Manual/Auto Reception".

5-5-2. Manual reception

When manual reception mode has been selected, the telephone will ring continuously when a call is received.
1. When the telephone rings, pick up the handset.

2. If a facsimile transmission is requested by the addressee, (you may be told verbally or hear the fax tone), press START key, then return the handset to the original position.

5-6. Adjusting resolution/contrast

When required, select resolution and contrast when setting the document on the document tray. Three keys are provided to control "Resolution", "Contrast" and "Halftone".

Press [RESOLUTION] key to select the resolution required to the type of original document. Select "FINE" when high resolution is required.
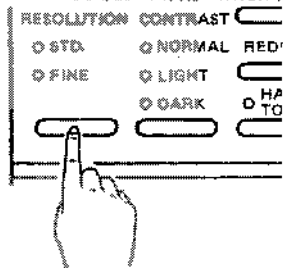
Press [CONTRAST] key to match the contrast of the document. Select "LIGHT" for a light image document.
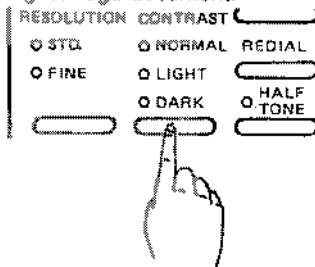
Press [HALFTONE] key to set or reset halftone mode.
Select "HALFTONE" for documents which contains pictures.
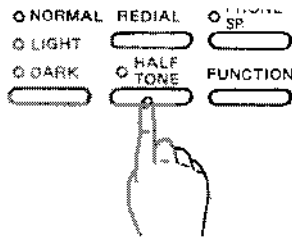
5-7. Using the telephone

With the integrated handset you can use this equipment for voice communications.

5-7-1. By lifting handset

1. Pick up the handset and listen for a dial tone.

```
MAR.01 '90        12:34
```

2. Dial the desired telephone number using either the numerical keypad, the speed dialing function or the one-touch dialing function. For example
   1 2 3 4 5 6 7

```
1234567_

                 START
```

3. When the other party answers, converse as usual.

4. After finishing your conversation, hang up the handset.

5-7-2. With monitor speaker

1. Press [PHONE/SP] key to light the indicator.

```
MAR.01 '90        12:34
```

2. Confirm that you hear a dial tone from the speaker.

3. Dial the desired telephone number using either the numerical keypad, the speed dialing function or the one-touch dialing function. For example
   1 2 3 4 5 6 7

```
1234567_

                 START
```

4. After confirming that the other party has answered the phone by listening to the speaker, pick up the handset to begin the conversation.

5. After finishing your conversation, hand up the handset.

5-8. Copying

You can make up to 99 copies of each original page.

1. When the document is set on the document tray. The LCD displays:

    ```
    DOCUMENT READY

                ENTER PARTY
    ```

2. Press [COPY] key. The LCD displays:

    ```
    COPY MODE

    PAGE 01    TOTAL 01
    ```

    "PAGE" means the number of original page fed through.
    "TOTAL" means the number of copies per original page.

3. Enter the number of copies, for instance, three copies. And the LCD display:
    Up to 99 copies can be set.

    ```
    COPY MODE

    PAGE 01    TOTAL 03
    ```

4. Press [START] key to start copying.

5. To cancel copying, remove unfed pages and press [STOP].

5-9. Last number redial

In the case the line is busy, the unit automatically redials transmission several times. In addition you can command manual redial. Simply press REDIAL key.

5-10. Request to converse

If the [PHONE/SP] key is pressed while faxing, conversation can take place after the completion of fax transmission/reception.

1. Press [PHONE/SP] key while the original page is transmitted. The indicator light goes on.
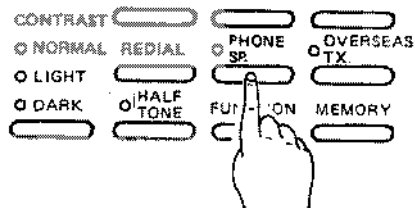
2. As soon as the fax transmission finishes, a tone will sound. Pick up the handset and talk.

5-11. Delayed (Timer) transmission

This mode is designed to allow unrestricted access to the unit during business hours and also to take advantage of lower phone rates at night.

To start broadcast at a later time, follow steps below.

Bear in mind that delayed transmission procedure can be also registered in the program key. Refer to the section "Data setting".

1. For delayed transmission from the document tray follow steps 1 and 2 on the section "Simple transmission".
   For delayed memory transmission follow steps 1 to 3 on the section "Memory transmission".

2. Press [MENU] and the LCD displays:

   MENU

   ```
   TIMER --:--        12:34

                   START/MENU
   ```

3. Enter the 24-hour start time. For example [1][2][3][4].
   The LCD displays:

   ```
   TIMER 12:34

                   START/MENU
   ```

4. Press [START] key. The LCD displays:

   START

   ```
   MAR.01 '90        12:34

   OTX
   ```

   To cancel delayed transmission, refer to the section "Canceling timer setting".

5-12. Canceling timer setting

To cancel the timer setting, including delayed transmission, delayed broadcast and delayed polling, follow steps below.

1. Press FUNCTION key. The LCD displays:

```
SELECT FUNCTION

               0-9
```
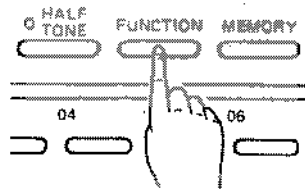
2. Press 7 . The LCD displays:

```
MEMORY ACCESS MODE

     1:FILE/2:COMMAND
```

3. Press 2 . The LCD displays:

```
COMMAND ACCESS MODE

           COPY/MENU
```

4. Press COPY key to print the command list. The LCD displays:

```
COMMAND LIST

            PRINTING
```

After printing, the LCD displays:

```
COMMAND ACCESS MODE

           COPY/MENU
```

5. Press MENU key. The LCD displays:

```
ENTER COMMAND no.   0

          0-29/MENU
```

6. Enter the command number to cancel, then press MENU key. For Example number 0.

```
COMMAND no. 0

COPY:PRINT/CLEAR:DELETE
```

7. Press COPY . And make sure that the selected command number is the correct one by checking the print out.

```
FIRST PAGE OF FILE

            PRINTING
```

8. Press ⌈ CLEAR ⌉ to cancel the selected command. The LCD displays:

CLEAR

```
COMMAND no. 0 DELETED
```

5-13. Broadcast

In the broadcast mode, the same document can be transmitted to multiple locations.

1. When the document is set on the document tray, the LCD displays:

```
DOCUMENT READY

        ENTER PARTY
```

2. Press [MEMORY] key. The LCD displays:
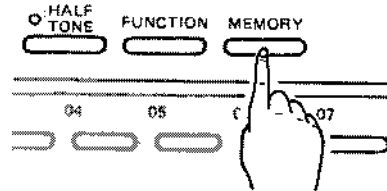

```
STORING DOCUMENT

              80%
```

The document is read into the memory. "80%" on the LCD indicates remaining memory capacity.

When all pages have been stored in the memory, the LCD changes to:

```
ENTER PARTY
```

3. Enter the other party using the ten keypad manually, the one-touch dial or the speed dial.

   To continue to enter multiple locations, press [MENU] key.

   For example:

   (1) Enter manually by ten keypad.

   [0][1][2][3][4][5][6][7][8][9][0]

   Press [PAUSE] key when auto-pause is needed.

   Note: Manual key entry is limited to one location.

```
01234567890_

          START/MENU
```

   (2) Press [MENU] key.


```
ENTER PARTY

          START/MENU
```

   (3) Press the one-touch dial key.
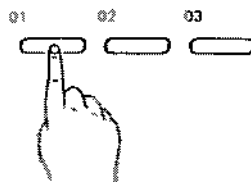

```
OT01=ABC Co., Ltd.

          START/MENU
```

   (4) Press [MENU] key.


```
ENTER PARTY

          START/MENU
```

(5) Press [SPEED DIAL] , [0] and [1] .

SPEED DIAL (0) (1)

```
┌────────────────────┐
│ SP01=ABC COMPANY   │
│                    │
│         START/MENU │
└────────────────────┘
```

3B. Or enter the other party by program key. Program key can register a calling group of up to 100 locations.

01   02   03
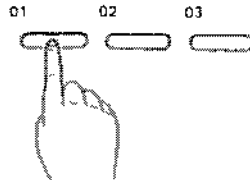
```
┌────────────────────┐
│ PROGRAMMED DIALING │
│                    │
│              START │
└────────────────────┘
```

4. Press [START] key to start the transmission. The LCD displays:

START

```
┌────────────────────┐
│ 012-3456-7890      │
│                    │
│        NOW CALLING │
└────────────────────┘
```

5. To cancel the transmission, press [STOP].

STOP

5-14. Delayed broadcast

This mode is designed to allowed unrestricted access to the unit during business hours and also to take advantage of lower phone rates at night. To start broadcast at a later time, follow steps below.

1. Follow steps 1 to 3 in the section "Broadcast".

2. Press [MENU] and the LCD displays:

```
TIMER __:__        12:34

              START/MENU
```

3. Enter the 24-hour start time. For example [1][2][3][4].
   And the LCD displays:

```
TIMER 12:34

              START/MENU
```

4. Press [START] key. The LCD displays:

```
MAR.01 '90         12:34

DTX
```

To cancel delayed broadcast, refer to the section "Canceling timer setting".

5-15. Confidential mailbox transmission

In this mode the document transmitted is temporarily stored with a 4-digit confidential password in the memory at the reception side, and the document will not be printed until the password is entered by the addressee to maintain confidentiality.

Bear in mind that confidential mailbox transmission procedure can also be registered into a program key. Refer to the section "Data setting".

This funcution may not work with the other models.

1. To register the addressee.
   For confidential transmission from the document tray, follow steps 1 and 2 on the section "Simple transmission".
   For confidential transmission from the memory, follow steps 1 to 3 on the section "Memory transmission"

2. Press ⬚MENU⬚ and the LCD displays:

   MENU

   ```
   TIMER --:--

               START/MENU
   ```

   Only when delayed transmission is required follow next step. Otherwise skip it.
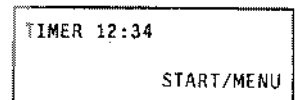
3. Enter the 24-hour start time. For example ⬚1⬚⬚2⬚⬚3⬚⬚4⬚.

   ```
   TIMER 12:34

               START/MENU
   ```

4. Press ⬚MENU⬚ key. The LCD displays:

   MENU

   ```
   CONF PASSWORD ?  0000

               START/MENU
   ```

5. Enter the 4-digit confidential password. For example ⬚5⬚⬚6⬚⬚7⬚⬚8⬚. And the LCD displays:
   "0000" is not a valid password.

   ```
   CONF PASSWORD ?  5678

               START/MENU
   ```
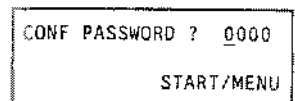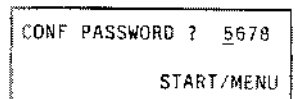
6. Press ⬚START⬚ key.

   START

5-16. Confidential mailbox reception

To print out the document received in the confidential mailbox, follow steps below.

1. When the document is received in the mail box, the LCD displays "MRX".

```
MAR.01 '90        12:34

         MRX
```

2. Press FUNCTION . The LCD displays:
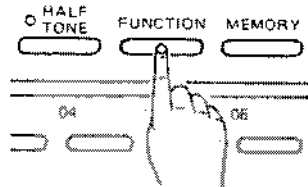
```
SELECT FUNCTION

                   0-9
```


3. Press 7 . The LCD displays:

```
MEMORY ACCESS MODE

     1:FILE/2:COMMAND
```

4. Press 1 . The LCD displays:

```
FILE ACCESS MODE

           COPY/MENU
```

5. Press MENU key. The LCD displays:

```
CONF. PASSWORD    0000

                 COPY
```


6. Enter the confidential password that was specified at the time of transmission. For example 1 2 3 4 .

```
CONF. PASSWORD ? 1234

                 COPY
```

7. Press COPY .

```
CONF. FILE

           PRINTING
```

5-17. Polling transmission/reception

Polling is an operation that the receiving party initiate to receive a fax transmission. In this operation both the polling (receiver) and polled (transmitter) parties must be ready.

5-17-1. Polling reception

Follow steps below to poll the document from the transmitting party.

1. Enter the other party in the same way as simple transmission. For example speed dial 01. And the LCD displays:

```
SP01=ABC COMPANY

          START/MENU
```

2. Press [START] key. Polling reception starts.


```
012-3456-7890_

          NOW CALLING
```

3. To cancel the polling press [STOP] key.

5-17-2. Polling transmission

Follow steps below to have the other party poll (receive) your document.

1. When the document is set on the document tray, the LCD displays:

```
DOCUMENT READY

          ENTER PARTY
```

2. Press [FUNCTION] key. The LCD displays:
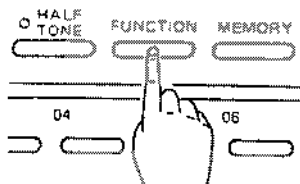

```
SELECT FUNCTION

               0-9
```

3. Press [0]. The LCD displays:

```
POLLING TRANS MODE

          1:SET/2:DELETE
```

4. Press [1]. The LCD displays:

```
POLLING TRANS SET

          MEMORY/MENU
```

5. Press [MENU] key for polling transmission from the document tray.
   Or
   Press [MEMORY] key for memory polling transmission.
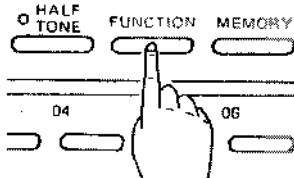
And the LCD displays:

If it is not necessary to enter closed network password for security, skip the next step.

```
PASSWORD ?        0000
                0-9/MENU
```

6. Enter the closed network password. For example 5 6 7 8 .

```
PASSWORD ?        5678
                CL/MENU
```

7. Press MENU key. The LCD displays:

MENU

```
POLLING SET OK
```

5-17-3. Canceling polling transmission

To cancel polling transmission, follow steps below.

1. Press FUNCTION key. The LCD displays:

o HALF   FUNCTION MEMORY
  TONE

04   06
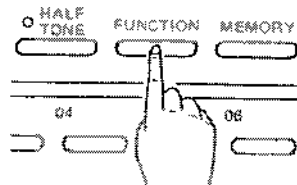
```
SELECT FUNCTION

                0-9
```

2. Press 0 . The LCD displays:

```
POLLING TRANS MODE

            1:SET/2:DELETE
```

3. Press 2 . The LCD displays:

```
POLLING TRANS DELETE

                CLEAR
```

4. Press CLEAR key. The LCD displays either :

CLEAR

```
DIRECT POLLING TRANS

                DELETED
```

or

```
MEMORY IN POLLING TRANS

                DELETED
```

5-17-4. Reverse polling reception

In this operation, both the addresser and addressee can send and receive documents in a single call. Bear in mind that the addressee has to set the document in polling transmission mode.

1. For the reverse transmission from the document tray follow steps 1 and 2 on the section "Simple transmission".
   For the reverse memory transmission follow steps 1 to 3 on the section "Memory transmission".

2. Press MENU and the LCD displays:

```
TIMER --:--

        START/MENU
```

Only when delayed reverse polling is required follow the next step. Otherwise skip it.

3. Enter the 24-hour starting time. For example 1 2 3 4 .

```
TIMER 12:34

        START/MENU
```

4. Press MENU key. The LCD displays:

```
CONF PASSWORD ?  0000

        START/MENU
```

If it is required to transmit the document to the other party's confidential mail box follow the next step. Otherwise skip it.

5. Enter the 4-digit confidential password. For example 5 6 7 8 .   And the LCD displays:
   "0000" is not a valid password.

```
CONF PASSWORD ?  5678

        START/MENU
```

6. Press MENU key. The LCD displays:

```
REVERSE POLLING     0

START/MENU/0:OFF/1:ON
```

7. Press 1 to select reverse polling.

```
REVERSE POLLING     1

START/MENU/0:OFF/1:ON
```

8. Press START key to start.
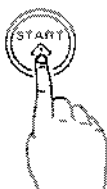
5-17-5. Multi polling reception

In this mode, the unit polls documents from multiple locations sequentially. Bear in mind that the other parties must have documents set in polling transmission mode.

1. Enter the other party using the ten keypad manually, the one-touch dial or the speed dial.
   To continue to enter multiple locations, press [MENU] key.
   For example:

   (1) Enter manually by ten keypad.
       ⓪①②③④⑤⑥⑦⑧⑨⓪
       Press [PAUSE] key when auto-pause is needed.
       Note: Manual key entry is limited to one location.

```
01234567890_

          START/MENU
```

   (2) Press [MENU] key.


```
ENTER PARTY

          START/MENU
```

   (3) Press the one-touch dial key.
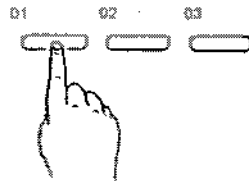

```
OT01=PPC-FAX_

          START/MENU
```

   (4) Press [MENU] key.


```
ENTER PARTY

          START/MENU
```

   (5) Press [SPEED DIAL], ⓪ and ①.


```
SP01=ABC COMPANY_

          START/MENU
```

1B. Or enter the other party by program key. Program key can register a calling group of up to 100 locations.
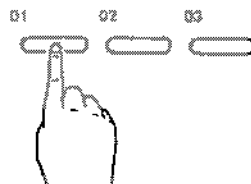

```
PROGRAMMED DIALING

             START
```

2. Press [START] key to start the transmission. The LCD displays:

```
012-3456-7890_

         NOW CALLING
```

5-17-6. Timer polling reception

In this mode, single or multi polling reception can be done at a later time to allow unrestricted access to the unit during business hours and to take advantage of lower phone rates at night.

1. Enter the other party using the ten keypad manually, the one-touch dial or the speed dial.
   For multiple locations follow step 1 or 1B on the section "Multi polling reception".

2. Press [MENU] key. The LCD displays.

   MENU

```
TIMER --:--

         START/MENU
```

3. Enter the 24-hour start time. For example [1][2][3][4].

```
TIMER 12:34

         START/MENU
```

4. Press [START].

5. To cancel, refer to the section "Canceling timer setting"

6. ACTIVITY REPORTS

Following reports or lists can be printed out.
  Activity Report
  Department Activity Report
  Transmission Receipt
  Broadcast Report
  Multi Polling Report
  Reserve Command Failure Report
  Power Down Report
  One Touch Dial List
  Speed Dial List
  Program Key List
  Memory Switch List
  Command List
  File List

Examples of those reports and lists are shown in Appendix C.
As for Error Codes on reports, please refer to Appendix B.

6-1. Activity report

An activity report can be printed out in three different ways.
(1) Automatic printout after 40 transactions.
(2) Random printout manually at any time.
(3) Periodic printout at a designated time every day.
On the report polling transmission is counted as reception and polling reception is counted as transmission.

6-1-1. Random printout

To print the report immediately, follow steps below.

1. Press [FUNCTION] key. The LCD displays:


```
SELECT FUNCTION

                0-9
```

2. Press [4]. The LCD displays:

```
ACTIVITY REPORT MODE

            COPY/MENU
```
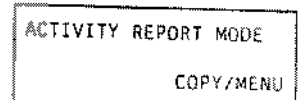
3. Press [COPY] key and printing starts.


```
ACTIVITY REPORT

            PRINTING
```
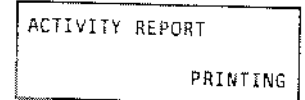
6-1-2. Periodic printout

To print the report every day at a specified time follow steps below.

NOTE:

All activity report data will be automatically cleared after a periodic printout.

1. Press ⌐FUNCTION⌐ key. The LCD displays:


```
┌─────────────────────┐
│ SELECT FUNCTION     │
│                     │
│                 0~9 │
└─────────────────────┘
```
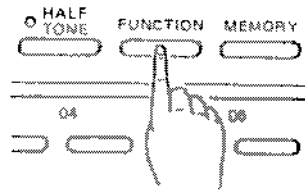
2. Press ④ . The LCD displays:

```
┌─────────────────────┐
│ ACTIVITY REPORT MODE│
│                     │
│           COPY/MENU │
└─────────────────────┘
```

3. Press ⌐MENU⌐ key. The LCD displays:


```
┌─────────────────────┐
│ ACT.REPORT PRINT TIME?│
│                     │
│               _ :   │
└─────────────────────┘
```

4. Enter the 24-hour printing time. For example
   ② ⓪ ③ ⓪

```
ACT.REPORT PRINT TIME?

                  20:30
```

5. Press MENU key.

To cancel this mode, press the CLEAR key at step.

6-2. Department activity report

When department control mode is on, an activity report by department can be printed out.

On the report polling transmission is counted as a reception and polling reception is counted as a transmission.

There are two ways to print out.

(1) Random printout manually at any time.

(2) Periodic printout at a designated time every day.

6-2-1. Random printout

To print the report immediately, follow steps below.

1. Press FUNCTION key. The LCD displays:


```
SELECT FUNCTION

                   0-9
```

2. Press ⑤. The LCD displays:

3. Press COPY key. the LCD displays:


```
DEPARTMENT MODE

COPY/1:REPORT/2:CODESET
```

```
DEPARTMENT REPORT

              PRINTING
```

6-2-2. Periodic printout

To print the report every day at a specified time, follow steps below.

1. Press [FUNCTION]key. The LCD displays:


```
┌─────────────────────────┐
│ SELECT FUNCTION         │
│                         │
│                   0-9   │
└─────────────────────────┘
```
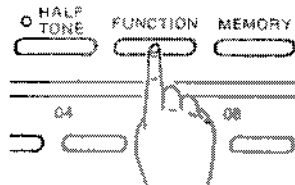
2. Press[5]. The LCD displays:

```
┌─────────────────────────┐
│ DEPARTMENT MODE         │
│                         │
│ COPY/1:REPORT/2:CODESET │
└─────────────────────────┘
```
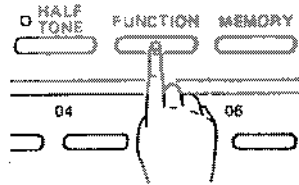
3. Press[1]. The LCD displays:

```
┌─────────────────────────┐
│ DEPT.REPORT PRINT TIME? │
│                         │
│                    :    │
└─────────────────────────┘
```

4. Enter the 24-hour printing time. For example

[2] [0] [3] [0]

```
┌─────────────────────────┐
│ DEPT.REPORT PRINT TIME? │
│                         │
│                  20:30  │
└─────────────────────────┘
```

5. Press [MENU]key.

To cancel this mode, press [CLEAR] at step 4.

6-3. Transmission Receipt

This is to confirm the transmission transaction. Refer to "Function mode setting" section.

6-4. Broadcast Report

This report is a kind of a Transmission Receipt as mentioned above. This is to confirm sequential broadcast transmission result.

6-5. Multi Polling Report

This report is a kind of a Transmission Receipt as mentioned before. This is to confirm sequential multi polling reception result.

6-6. Reserve Command Failure Report

If the transaction reserved, while the reception is going on, fails, this report will be printed out. In this case, retransmit the same document.

6-7. Power Down Report

If any timer transaction fails due to power failure, this report will be printed out after the power comes back. In this case retry failed transaction.

6-8. One Touch Dial List

The list of programed one-touch dial can be printed out. Refer to "One touch dial registration and list" section.

6-9. Speed Dial List

The List of programed speed dial can be printed out. Refer to "Speed dial registration and list" section.

6-10. Program Key List

The list of program key can be printed out. Refer to "Program key set up and list" section.

6-11. Memory Switch List

This list shows the status of function mode setting using memory switch. Refer to "Function mode setting".

1. Press [FUNCTION] . And the LCD displays :

```
SELECT FUNCTION

                   0-9
```
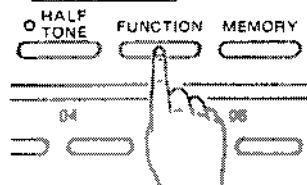
2. Press [9]. And the LCD displays :

```
MEMORY SW SETUP MODE

                 MENU
```

3. Press [MENU] key.

```
ENTER MEMORY SW NO. ∅

         0-14/COPY/MENU
```

4. Press [COPY] . And the LCD displays :

```
MEMORY SW LIST

            PRINTING
```

6-12. Command List

This is a list of reserved timer transaction. Refer to "Canceling timer setting".

6-13. File List

This list can be printed out to show the list of files stored in the memory including **delayed transmission** and confidential mailbox reception.

1. Press FUNCTION . The LCD displays :


```
SELECT FUNCTION

                    0-9
```

2. Press 7 . The LCD displays :

```
MEMORY ACCESS MODE

        1:FILE/2:COMMAND
```

3. Press 1 . The LCD displays :

```
FILE ACCESS MODE

            COPY/MENU
```

4. Press COPY .


```
FILE LIST

            PRINTING
```
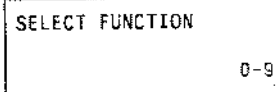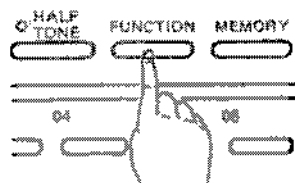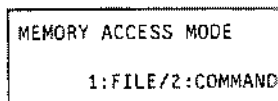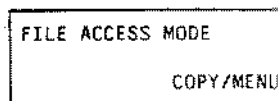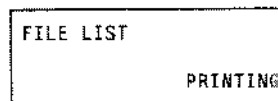
5. Press STOP
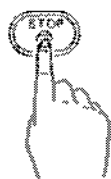
7. MAINTENANCE

7-1. Replenishing paper

To replenish paper into the paper cassette, please refer to the section "Installing the paper cassette".

Please avoid using following types of paper because they can result in damage to the unit and/or poor print quality.
(1) Highly textured paper; extremely smooth or shiny paper.
(2) Coated paper.
(3) Paper that is stapled, wrinkled or exhibits other irregularities.

The paper cassette can hold up to 250 sheets of paper which range between 75-80g/m².

7-2. Replacing the toner cartridge

Each toner cartridge contains enough toner to print 3,000 pages at 5% coverage of the page.

When the toner cartridge has reached the replacement period, the LCD displays "TONER EMPTY" and the icon on the control panel indicates that you need to replenish toner.

Please replace the toner cartridge as instructed below.

At the same time that you are using the cleaner swab which comes with the toner cartridge, you should do the following:
(1) Clean the transfer corona wire.
(2) Clean the charger corona wire.

1. Turn the power switch off and open the upper unit of the equipment by pulling the lever under the document feeder slowly.

2. Remove the developing unit from the inside of the equipment.

3. Turn the toner cartridge clockwise, pull out slowly, wrap in a plastic bag to prevent spillage, and discard.

4. Follow the instructions contained in the "Installing the developing unit and toner cartridge" section.

7-3. Cleaning the transfer corona wire

The transfer corona wire needs to be cleared after approximately 3,000 prints, or every time the toner cartridge is replaced.

(1) Open the upper unit, and remove the developing.

(2) Remove and clean transfer corona wire with cotton swab.
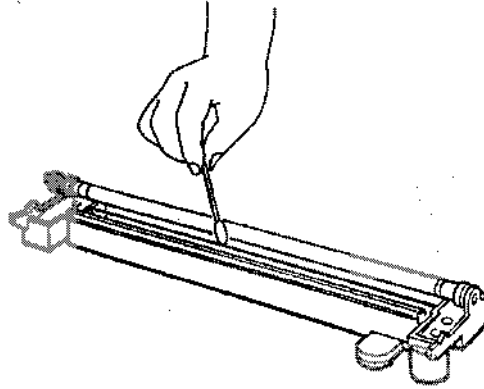
< Fig. 7-1. Cleaning the transfer corona wire >

(3) Install it in the correct position and replace the developing unit.

(4) Close the upper unit.

7-4. Cleaning the charger corona wire

The charger corona wire needs to be cleared after approximately 3,000 prints, or every time the toner cartridge is replaced.

(1) Open the upper unit, and remove the photoconductor unit. Do not touch the surface of the drum.

(2) Clean charger corona wire with cotton swab.
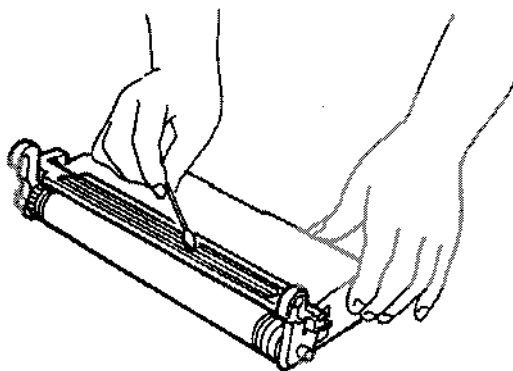
< Fig. 7-2. Cleaning the charger corona wire >

(3) Install the photoconductor unit.

(4) Close the upper unit.

7-5. Replacing the photoconductor unit

The photoconductor unit can be used for approximately 15,000 pages of printing. When this unit has reached the replacement period, the LCD displays "TONER FULL".
Please follow the instructions below to replace the photoconductor unit.
Replace the developing unit at the same time.

1. Turn the power switch off and open the upper unit of the equipment by pulling the lever under the document feeder slowly.

2. Depress the green locking tab on the top of the photoconductor unit.

3. Pull the top of the photoconductor unit away from the upper unit.

4. Disengage the hook-engaging part, while raising the photoconductor unit slightly upward, to remove it.
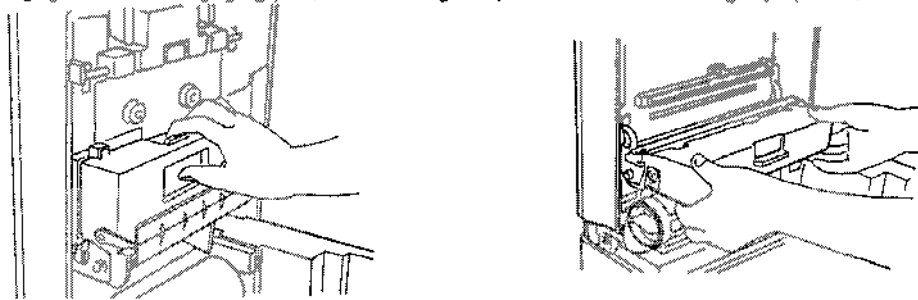
<Fig. 7-3. Removing the drum unit>

5. Take out the new photoconductor unit from the packing box and remove protective sheet.
   Be careful not to touch the photoconductor nor to expose it to direct sun light.

6. Install the new photoconductor unit by reversing the steps you used to remove the old one.

Do not forget to replace the developing unit.

7-6. Replacing the developing unit

The developing unit requires replacement after approximately 15,000 pages of printing. Please replace at the same time you replace the photoconductor unit. The cleaning felt is packed with the developing unit; it is also replaced at this time.

Follow the instructions below.

1. Turn the power switch off and open the upper unit of the equipment by pulling the lever under the document feeder slowly.

2. Remove the developing unit.

3. Take out new developing unit from packing box.

4. To install new developing unit follow the instructions in the section titled "Installing the developing unit and toner cartridge".

5. Replace the cleaning felt.

< Fig. 7-4. Replacing the cleaning felt >
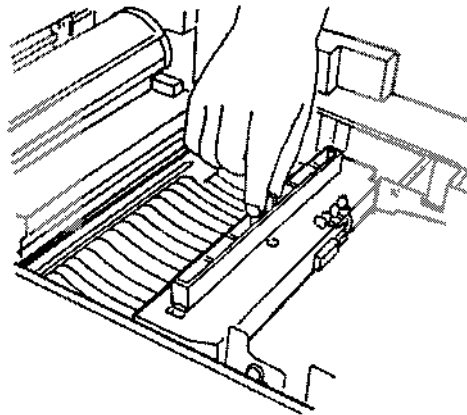
7-7. Cleaning paper rollers and image scanner

To maintain the performance of the document feeding and scanning, please clean paper rollers and scanner.
A facsimile cleaning kit is available from your local dealer.

7-8. Trouble shooting

This chapter describes trouble shooting. The trouble may have more than one possible cause. When a problem occurs, read all sections carefully and select the one(s) that will solve the problem. We recommend that you also read the previous sections on preventive maintenance.

The following paragraphs describe:

- printer quality problems
- scanner quality problems
- approved paper
- user correctable errors
- other errors
- fatal errors
- repacking instructions

7-8-1. Diagnosing problems

There are three categories of printing/scanning difficulties you may encounter:

(1) Print quality problems (printing output is flawed).
- printer difficulties
- scanner difficulties
(2) User-correctable error condition.
- The LCD displays
- User can diagnose easily
(3) Fatal error condition
- The LCD displays
- The equipment malfunctions

The remainder of this section will help you to diagnose and solve these problems.

This machine is equipped with a number of tools to assist you in diagnosing problems. The control panel messages identify and describe a number of errors. These messages are described in this chapter.

When the error is user-correctable, the error messages are displayed on the control panel.

When the error is serious enough to require the attention of a technical support representative, the control panel indicates the hardware malfunction.

In addition to the error messages and indicators, this equipment has some self-test functions, ("single copy" and "printing the report"), that help locate and diagnose quality problems. This checks print procedure function and scanner function by scanning and printing a sample document to check print quality.

Check the test print output to see that all the lines are uniform and clear and that there are no light spots, smudges, missing areas, or other irregularities. If there is a problem with the quality, check the examples of quality problems below for possible causes and solutions.

7-8-2. Print quality problems

The print quality problem is caused two different ways. One cause is that the received document from the other party had the problem originally; the other is that the printer itself caused the problem.

To diagnose these problems, print out activity report. When there are quality problems, the printer itself is the cause. In this case, try the next solution. If, after exhausting the list, you are still having difficulty, call your local dealer or contact a service representative.

The majority of print quality problems are solved by:
- (1) cleaning the printer, as described in the cleaning discussion in this section
- (2) by replacing the toner cartridge, developing unit, photoconductor unit, or cleaning felt
- (3) by changing the type of paper used.

7-8-2-1. Total image is light

(1) Set the print density dial (located at the left side of the equipment) to a lower setting (darker print).

(2) Check whether paper is damp. If so, replace the paper.

(3) Check the wires of the transfer corona and charger corona. If one of the wires is broken, contact your local dealer or service representative. If these wires are dirty, clean them. Verify that they are inserted correctly.

(4) Verify that pull tab on the developer unit has been removed.

(5) Check to see that the toner cartridge is properly installed.

(6) If protective sealing tape has not been removed from the toner cartridge, remove it.

7-8-2-2. Total image is dark

(1) Set the print density dial (located at the left side of the equipment) to a higher setting (lighter print).

(2) Check charger corona for dirt, loose connection, or broken wire. If it is broken, contact your dealer. If this is dirty, clean it.

7-8-2-3. Blank printout

(1) Check to see that the developer unit has been installed properly.

(2) Check the wires of transfer corona and charger corona for broken wire or loose connection. If one of the wires is broken, contact your local dealer or service representative.

7-8-2-4. Black image

(1) Check charger corona. If the wire is broken, contact your local dealer or service representative.

7-8-2-5. Streaks on back of paper

(1) Check the following areas for dirt or toner. Clean soiled areas with a damp (not wet) cloth, and then again with a dry one.
a. Transfer corona assembly
b. Printer rollers

7-8-2-6. Dark vertical lines (in direction of paper feed)

(1) Clean the cleaning felt, or replace it if it is dirty. (Contact your local dealer)

(2) Clean the corona wires.

(3) Check the photoconductor unit for scratches. Replace the photoconductor unit. (Contact your local dealer)

7-8-2-7. Thin vertical white lines or stripes (in direction of paper feed)

(1) Open the upper unit of the equipment and remove the developing unit and gently rock it back and forth to spread the toner. Re-install the unit in the equipment. Run a self-test to see if the problem has been corrected.

NOTE:

Shaking the developing unit may cause toner to leak and stain a few prints. Print 3 to 5 test prints before printing your document.

(2) Replace the developing unit.

(3) Clean cleaning felt or replace if it is dirty.

(4) Clean the wire of transfer corona.

7-8-2-8. Foggy horizontal dark stripes 1 (perpendicular to direction of paper feed)

(1) Clean the corona wires.

(2) Replace the photoconductor unit.

7-8-2-9. Sharp horizontal black lines (perpendicular to direction of paper feed)

(1) Contact your local dealer or service representative for assistance.

7-8-2-10. White horizontal lines or other shapes on black background

This type of problem can be caused by using an improper type of paper (too heavy or light or with a poor surface texture for laser printing) or using damp paper.

(1) Check the paper specifications. Try an approved paper and see if the problem is corrected.

(2) If the paper is damp, replace it with dry paper.

7-8-2-11. Foggy horizontal dark stripes 2 (perpendicular to direction of paper feed)

(1) Check the distance between the stripes on the paper. If they are approximately 188 mm (7.4 in), replace the photoconductor unit. If not, call for your local dealer or technical assistance.

7-8-2-12. Image wave or distortion

Call service representative for assistance.

7-8-2-13. Faulty registration

(1) If the leading edge of the paper is curled, straighten it or add new paper.

(2) If you are using paper that has not been made for use with a copier, use another paper.

7-8-2-14. Repetitive defects

(1) Check the distance between the defects on the paper. If they are approximately 94 mm (3.7 in), replace the photoconductor unit. If not, call for your local dealer or technical assistance.

7-8-2-15. Poor fixing (toner smears when rubbed)

(1) The laser printer of the equipment works best using the same type of paper as that made for copiers. Paper with a smooth (glossy) surface or thick paper may not allow the toner to adhere to it correctly. If you are not using manufacturer-approved paper, try approved paper.

(2) If the print smears on manufacturer-approved paper, contact your local dealer or technical service representative.

7-8-3. Scanner quality problems

The following describes the scanner quality problems.

7-8-3-1. Black stripes

If the white strip located underneath the top cover is stained or dust has adhered to the scanner mirror, a black stripe may appear, as light of fluorescent lamp is not applied to the document. In such cases perform the following procedure.

(1) Open the top cover as shown in Fig. 7-5.

<Fig. 7-5. Open the top cover>
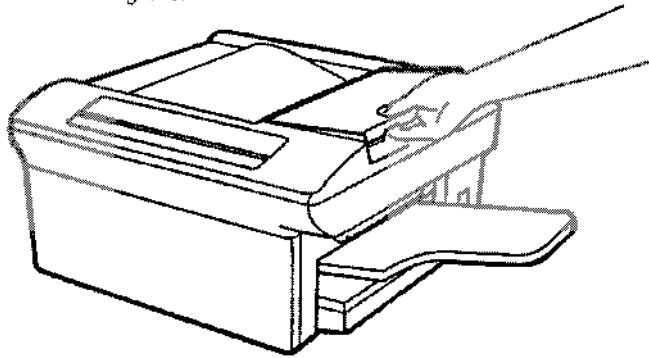
(2) Wipe the white strip located at the rear side of the top cover with a clean cloth as shown in Fig. 7-6.
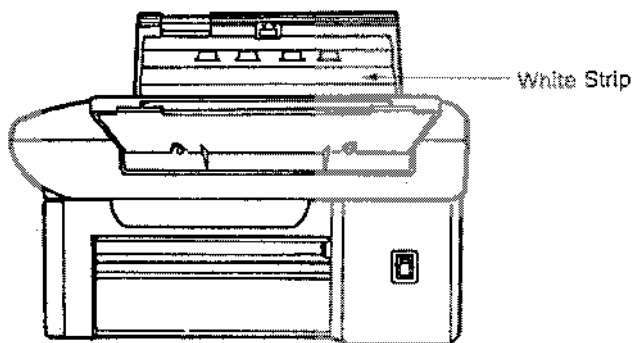
White Strip

<Fig. 7-6. Cleaning the white strip>

(3) Polish the glass with a clean cloth.
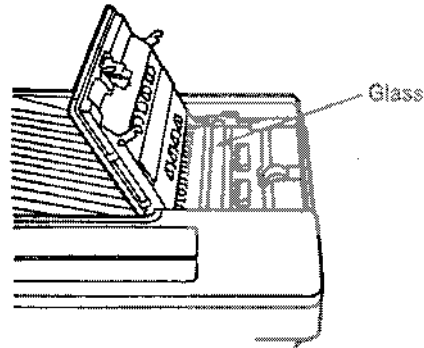
< Fig 7-7. Polishing the glass >

NOTE:
Be careful not to wipe the white strip or not to polish the glass with cloth dampened in water. Otherwise, water may enter the equipment, resulting in a serious of malfunctions.

7-8-3-2. Blank print out
Same cause as "Black stripe". Refer to section 7-8-3-1.

7-8-3-3. Image wholly turns black
When the fluorescent lamp burns out, the entire copy turns black because it is unable secure the desired luminous energy.

(1) Please contact your local dealer to replace the fluorescent lamp.

(2) If it is turned black at both ends, it must have burned out. In such cases, replace it with a new one.

NOTE:
Be sure to use the proper lamp.

(3) If the fluorescent lamp is free from any fault, the cause of trouble is in the printer.

7-8-3-4. Document is fed diagonally
Check that the position of the paper guide of the sending tray is aligned with the document. Otherwise, the paper may be fed diagonally.
After the above check, make sure that the sending tray and scanner unit are set securely. Otherwise, the paper may be fed diagonally in the same manner.

(1) Adjust the position of the paper guide of the sending tray so that it aligns with the document. If any non-conformity is found in the guide, contact your local dealer.

(2) Check that the sending tray and scanner unit are set securely. Otherwise, reset them correctly.

7-8-3-5. Document turns white at either side
The following phenomena may occur in such cases when the scanner unit is not set horizontally or when it is applied with any unbalanced force. In such a case, check the following points.

(1) Check that the equipment is on a level surface.

(2) If any heavy materials such as book, etc. are put on the tray, remove such materials.

(3) Be careful not to lean on the upper side of the tray with hand, elbow, etc.

(4) Make certain that the sending tray is set horizontally. Otherwise, reset it securely.

7-8-3-6. Document turns to black at either side
Same causes as 7-8-3-5. Refer to section 7-8-3-5.

7-8-4. User-correctable error conditions
The control panel provides a number of messages on the display window in addition to the service indicator, which lights when an error is encountered. The following describes the error messages, their meanings, and the user action necessary to correct the situation.

7-8-4-1. Document jam error
"DOCUMENT JAM ERROR" appears on the LCD when the document fails to be read during document feeding even if the START button is pressed.

```
DOCUMENT JAM ERROR
```

(1) Open the top cover and clean the roller (1) with a clean cloth.
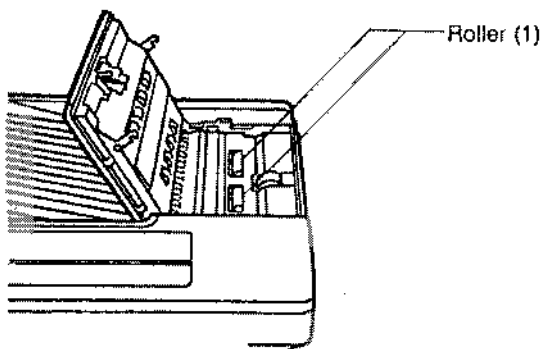
——Roller (1)

< Fig. 7-8. Polish the roller(1) >

(2) Check the document for quality. If it is found to be thin, use the carrier sheet.

7-8-4-2. Memory full
The "MEMORY FULL" appears on the LCD when the code memory is full of received data or transmitting data.

```
MEMORY FULL
```

NOTE:
Maximum data in code memory are 11 A4-sized pages in standard, or 58 A4-sized pages with optional memory board.

In case there is some received data in code memory, print out the data.

In case that this message appears during transmission transmit documents from the tray.

7-8-4-3. No paper
The ⬆ light is turned on and "NO PAPER" appears on the LCD whenever the printer of the equipment cannot detect paper in the paper cassette. This may occur when the paper cassette is empty, improperly inserted, or not inserted at all.

```
NO PAPER
```

Due to the optical sensor used to detect "NO PAPER", transparencies will cause this error. Merely place a sheet of white paper at the bottom of the stack of transparencies to clear this error.

The no paper error causes the printer of the equipment to go off line and enter the wait state.

To correct the problem, insert paper in the cassette and reinsert the cassette in the correct location of the equipment. See section 3-2.

Once the user inserts paper property, the 🖐 light is turned off and the "NO PAPER" message on the LCD disappears and the equipment reverts to the state it was in before the printer out condition occurred.

The received data are memorized in "code memory" during no-paper (maximum data in code memory are 11 A4-sized pages in standard, or 68 A4-sized pages with optional memory board). These data are automatically printed out after paper is supplied in paper cassette.

7-8-4-4. Paper jam

The 🖐 light is turned on and "PAPER JAM" appears on the LCD when the recording paper jammed in the printer of the equipment. Jams occur most often in the paper supply area or the paper feed area as shown in Fig. 7-9.

```
┌─────────────────────┐
│ PAPER JAM           │
│                     │
└─────────────────────┘
```

(1) Printed paper feeding view

<Fig. 7-9. Jamming area>
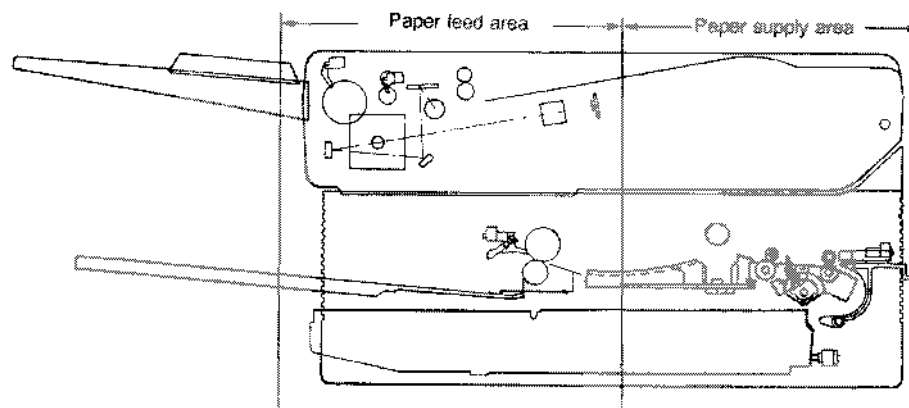
When this message is displayed on the panel, remove the jammed paper as follows.

(1) Open the upper unit of the equipment to check whether the paper is visible.

(2) When it isn't visible, lower the jam lid as shown in Fig. 7-10. to remove jammed paper.

(3) When it is visible, remove jammed paper toward this direction as shown in Fig. 7-11.
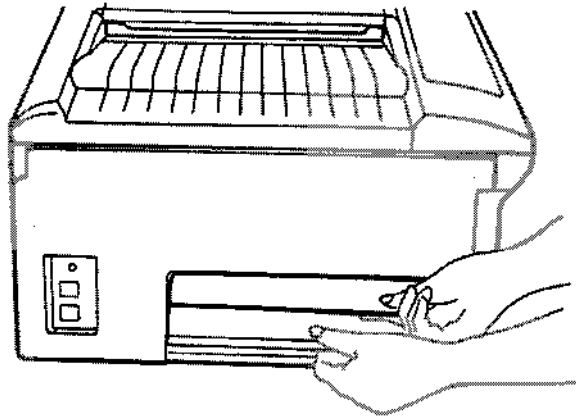
<Fig. 7-10. The first way of removing the jammed paper>

<Fig. 7-11. The second way of removing the jammed paper>
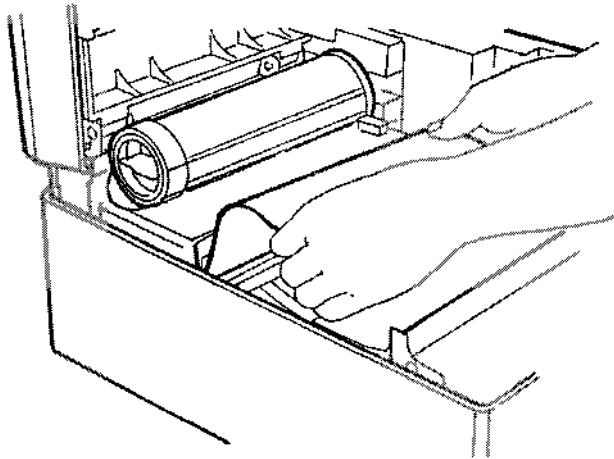
The jammed data re-print automatically after the jammed paper has been cleared.

The received data are memorized in "code memory" during paper-jam (maximum data in code memory are 11 A4-sized pages in standard, or 58 A4-sized pages with optional memory board approximately). These data are printed out after the jammed paper has been cleared.

CAUTION:

The fusing unit of this machine generated a lot of heat.
The two rollers inside the fusing mechanism get extremely hot, so take special care when handling them.
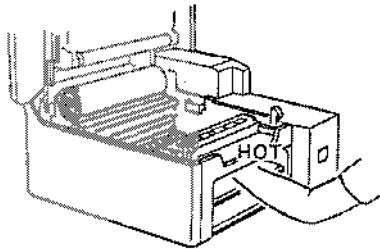
7-8-4-5. Toner empty

The 📖 light is turned on and "TONER EMPTY" appears on the LCD when the printer of the equipment is running out of dry ink. Install the new toner cartridge. Refer to section 7-2.

The received data are memorized in "code memory" during toner-empty (maximum data in code memory are 11 A4-sized pages in standard, or 58 A4-sized pages with optional memory board).
These data are automatically printed out after supplying the new toner cartridge.

NOTE:

Do not pull out toner cartridge initially to see if you are out of toner. Push [MENU] key first. If "TONER EMPTY" message is still displayed, change the toner cartridge.

```
TONER EMPTY
```

7-8-4-6. Toner full

The "TONER FULL" appears on the LCD when the waste toner area in the drum unit is full of toner. In this case the photoconductor unit needs to be replaced. Refer to section 7-5.

NOTE:

The photoconductor unit has a life of approximately 15, 000 pages. And the waste toner area in the photoconductor unit should be full at 15, 000 plus pages at 5% coverage.

```
TONER FULL
```

7-8-4-7. Top cover open

The "TOP COVER OPEN" appears on the LCD when the top cover is ajar and fails to be read during document feeding.

(1) Check whether the top cover is open or not.

```
TOP COVER OPEN
```

7-8-4-8. Upper unit open

The 📖 light is turned on and "UPPER UNIT OPEN OR NO DEVELOPER" appears on the LCD when upper unit of the equipment is ajar.

(1) Verify the unit has latched property.

(2) Check that the developer unit, toner cartridge, coronas, and the other components are in place properly.

The recieved data are stored in "code memory" during upper-unit-open (maximum data in code memory are 11 A4-sized pages in standard, or 58 A4-sized pages with optional memory board approximately). These data are automatically printed out after the top cover is closed.

```
UPPER UNIT OPEN

   OR NO DEVELOPER
```

7-8-5. Other errors

This section describes the other errors caused by malfunctions and displays on the LCD.

7-8-5-1. Already set for dtp code

This message appears on the LCD when the department code which you may register has already been registered.

```
ALREADY SET FOR DTP CODE
```

7-8-5-2. Already set for ot-key

This message appears on the LCD when the one touch key which you may register has already been registered as one touch key.

```
ALREADY SET FOR OT-KEY
```

7-8-5-3. Already set for p-key

This message appears on the LCD when the one touch key which you may register has already been registered as program key.

```
ALREADY SET FOR P-KEY
```

7-8-5-4. Already set for polling

This message appears on the LCD in cases where you may set polling transmission or reserve timer transmission, and the document that has been on the sending tray has already been set for polling transmission.

```
ALREADY SET FOR POLLING
```

7-8-5-5. Already set for sp-key

This message appears on the LCD when the speed dial number which you may register has already been registered.

```
ALREADY SET FOR SP-KEY
```

7-8-5-6. Already set for t-send

"T-SEND" means timer transmission. This message appears on the LCD in cases where you may set polling transmission or reserve timer transmission, and the document that has been on the sending tray has already been set for timer transmission.

```
ALREADY SET FOR T-SEND
```

7-8-5-7. Already transmit set

This message appears on the LCD in cases where you register one touch key as program key, but the one touch key has already been used for timer transmission, etc.

```
ALREADY TRANSMIT SET
```

7-8-5-8. Cannot entry

This message, for example, appears on the LCD when you try to enter unregistered speed dial number in the register sequence of program key.

```
CANNOT ENTRY
```

7-8-5-9. Cannot set command

This message appears on the LCD when you set the document on the sending tray and press program key registered to more than one addressee. Only one addressee is permitted in direct transmission.

```
CANNOT SET COMMAND
```

7-8-5-10. Department code full

This message appears on the LCD when you register more than 30 types of department.

```
DEPARTMENT CODE FULL
```

7-8-5-11. File error

This message appears on the LCD when you try to get memory transmission and there are already 30 files(memory transmission data or confidential received data)in memory.

```
FILE ERROR
```

7-8-5-12. No command
This message appears on the LCD when you try to print a command list that is not registered.

```
NO COMMAND
```

7-8-5-13. No document
This message appears on the LCD when you press MEMORY key without a document on the sending tray.

```
NO DOCUMENT
```

7-8-5-14. No file
This message appears on the LCD when you try to print confidential data that has been already printed, or was not recieved.

```
NO FILE
```

7-8-5-15. No party exist
This message appears on the LCD when you try to set up the program key, press MENU key, or START key without registering.

```
NO PARTY EXIST
```

7-8-5-16. No polling
This message appears on the LCD when you try to reset the polling transmission and the polling transmission has not been set.

```
NO POLLING
```

7-8-5-17. Commnd full
This message appears on the LCD when you try to enter more than 30 commands.

```
COMMAND FULL
```

7-8-6. Fatal error
All other error conditions indicate there has been a fatal error within the equipment, which requires the attention of a service representative. If you encounter one of these errors, turn the equipment off and then turn it on. Occasionally, this action is sufficient to clear the error condition. If the message remains steadily lit when the equipment is powered on again, call an authorized service representative and report the message displayed on the LCD.

7-8-6-1. Fixing assembly error
"FIXING ASSEMBLY ERROR" appears on the LCD when the fuser roller fails to reach 180°C within 80 seconds after power to the fuser lamp is turned on. And after reaching 180°C, the fuser roller fails to reach under 180°C within 80 seconds after power to the fuser lamp is turned off.

```
FIXING ASSEMBLY ERROR
```

7-8-6-2. Hsynch error
"HSYNCH ERROR" appears on the LCD when the synchronous signal of the laser unit can not be detected within 80 seconds after the equipment has been turned on.

```
HSYNCH ERROR
```

7-8-6-3. Laser scanner error
"LASER SCANNER ERROR" appears on the LCD when the speed of scanner motor is not correct.

```
LASER SCANNER ERROR
```

7-8-6-4. Printer motor error

"PRINTER MOTOR ERROR" appears on the LCD when the speed of main
motor is not correct.

```
PRINTER MOTOR ERROR
```

7-8-7. Repacking Instructions

In the event that you should have to return your equipment to your local dealer, or the manufacturer for repair,
follow the repacking procedures described below. These procedures are supplied to assist our customers and to
protect the equipment from being damaged during shipment.

7-8-7-1. Using a standard box

< Equipment >

(1) Remove developer unit from the equipment. (Failure to do so will result in toner spillage and possible damage
to the photoconductor).

(2) Remove power cord.

(3) Put the equipment into a plastic bag, and then place the equipment into the box, making sure it aligns properly
with the bottom packing foam.

(4) Place top packaging foam on top of the equipment, making sure foam aligns properly.

(5) Place manual and power cord into top foam.

(6) Close and seal box with packaging tape.

< Developer unit >

(1) Place developer unit into a plastic bag and seal with tape.

(2) Place the two foam end pieces onto the developer unit, and then insert into the box.

(3) Fill the empty spaces in the box with pelspan (peanuts).

(4) Close and seal box with packing tape.

7-8-7-2. Using a non-standard box

< Equipment >

(1) Remove developer unit from the equipment. (Failure to do so will result in toner spillage and possible damage
to the photoconductor).

(2) Remove the power cord.

(3) Place the equipment into a plastic bag and seal with tape. Wrap the equipment in at least one layer of bubble
wrap packaging material. Make sure all corners are protected.

(4) Obtain a box that is approximately 1 1/3 times larger than the equipment. Fill the bottom of the box with a layer
of pelspan (peanuts).

(5) Place the equipment into the box so that it is centered, and fill the box with pelspan (peanuts). Make sure all
sides of the equipment are protected.

(6) Close and seal the box with packaging tape.

< Developer unit >

(1) Place developer into a plastic bag and seal with tape.

(2) Wrap developer in at least one layer of bubble wrap packaging material.

(3) Obtain a box that is approximately 1 1/3 times larger than the developer unit. Fill the bottom of the box with a layer of pelspan (peanuts).

(4) Place the developer into the box so that it is centered, and fill the box with pelspan (peanuts). Make sure all sides of the developer are protected.

(5) Close and seal the box with packaging tape.

8. SPECIFICATIONS

Type	Desktop, Transciever
Line	PSTN
Transmission Speed	9600/7200/4800/2400 BPS automatic select
Transmission Mode	CCITT G3, G2, G3 ECM
Compression Coding	MH, MR, Unique Mode
Scanning Resolution	Main : 8 dots/mm or 203 DPI Sub : 7, 7, 3.85 lines/mm or 196, 98 DPI
Document size	Width : Min. 162 mm (6.4") to Max. 280 mm (11") Length : Min. 105 mm (4.1") to Max. 3000 mm (118") Thickness : 0.05 – 0.15 mm or 0.002 – 0.006" (single page feeding) 0.08 – 0.13 mm or 0.03 – 0.005" (multi page feeding)
Effective Scanning Width	248 mm or 9.8"
Printing Method	Lase beam photography
Printing size	A4, Letter, Legal
Power Consumption	Stand-by 220 W Operation 550 W
Power Supply	Rating on the plate on the unit
Operating Environment	Temperature : 5 – 35°C or 41 – 95°F Humidity : 30 – 80% RH
Dimensions	Width : 470 mm or 18.5" without handset and tray Depth : 456 mm or 18" Height : 265 mm or 10.4"
Weight	22 kg or 48.5 lbs

Appendix A. Memory switches

SW.No.	Item	Contents	Code	Def.	Description of function	Application
0	Receive Detect	Manual Auto	0 1	1	Selects whether reception is detected manually or automatically.	
1	Dialing method	10 PPS 20 PPS PB	0 1 2	2	Selects whether dialing output is DTMF or rotary.	Used to set type of line to which facsimile is connected, and rotary dialing speed.
2	Pause time	2-21 seconds	2 ξ 21	3	Selects variable delay when pause key is pressed.	Used to set time required until connected to PSTN when transmitting to line connected to PBX.
3	Retry Count	0(Not to re-call) 1 time 2 times 3 times 4 times 5 times	0 1 2 3 4 5	2	Sets the number of re-calls in (every 3 minutes) when addressee is busy or does not respond.	Allows document to be transmitted securely as re-dialing is made automatically when addressee is busy due to timer transmission or broadcast.
4	Number of Rings	1~2 times 3 times 5 times 7 times 9 times 11 times	1 2 3 4 5 6	2	Sets the number of rings until facsimile is ready for reception.	
5	Halftone pattern (standard)	Pattern 0 Pattern 1 ξ Pattern 6	0 1 ξ 6	0	Allows selection of 7 types of patterns according to the type of document.	Image quality may become improved if it is changed in such cases when desired contrast is not assured or when image quality is deteriorated.
6	Halftone pattern (fine)	Pattern 0 Pattern 1 ξ Pattern 6	0 1 ξ 6	0	Allows selection of 7 types of patterns according to the type of document.	Used when necessary to improve image quality than standard
7	Header information	Not add Add	0 1	1	Determines whether information such as addresser name, date, etc. is added when transmitting the document.	Approx. 8mm at head of the document is substituted for addresser information when addresser information is added.
8	Closed area communication	No check off Check No. Check ID No.	0 1 2	0	Determines if communication between specific facsimiles is executable by checking telephone No. and pass word No. ID No. of addressee.	Unnecessary document will not be received. Bear in mind that communication is not executable unless "02" is set both for transmission and reception when "02" is selected.

SW.No.	Item	Contents	Code	Def.	Description of function	Application
9	Transmission report	OFF ON ERROR	0 1 2	0	Select whether transmission report is printed after transmission.	It is possible to output transmission report automatically after completion of transmission even if report switch is not pressed.
10	Transmission mode	Standard Fine NO RET	0 1 2	0	Selects where to return after transmission if the line density was changed before transmitting.	Returned to setting mode after transmission of the document. Bear in mind that the mode concerned will not be changed by manual setting unless the transmission mode is changed.
11	Density of document	Dark Normal Light NO RET	0 1 2 3	1	Selects where to return after changing mode with CONTRAST switch.	Returned to setting mode after transmission of the document. Bear in mind that the mode concerned will not be changed by manual setting unless the contrast mode is changed.
12	Halftone	NO YES NO RET	0 1 2	0	Selects where to return after transmission by changing mode with HALFTONE switch.	Returned to setting mode after transmission of the document. Bear in mind that the mode concerned will not be changed by manual setting unless the halftone mode is changed.
13	Management of department	OFF ON	0 1	0	Selects whether to control management report.	It is possible to print a management report by each section (so-called department) by listing the number of copies transmitted/received by each department registered.
14	AUTO Reduction	OFF ON	0 1	1	Selects whether to control auto-reduction. (B4 → A4)	

Appendix B. Error codes

Non-responce from addressee

Code	Contents	Div.	Description/Treatment
10	T1 time over	T.R	Effective signal failed to be received even upon elapse of 35.5 sec. after starting communication (not shown in report during automatic reception). Treatment : In case of manual transmission, press START key after checking facsimile No. of addressee

Local station trouble

Code	Contents	Div.	Description/Treatment
20	Stop swich ON	ALL	Communication was interrupted when STOP switch was depressed.
21	Jammed original	T	Communication was interrupted due to jammed original.
25	File error	T.R	

Screen error

Code	Contents	Div.	Description/Treatment
30	Excessive number of error lines	R	Due to transmission error resulting from S/N or distorsion in line. Treatment: Check reception level and eye pattern distortion. Change equalizer and transmission level according to loss in line.
32	RTN reception	T	
33	More than 5 sec. on one line	R	
35	EOR transmission (for ECM communication)	T	Terminates transmission by EOR signal even if MODEM speed is decreased to 2,400BPS if error is not removed. Treatment is the same adove.
36	EOR reception (for ECM communication)	R	

Error at addressee

Code	Contents	Div.	Description/Treatment
40	No paper at addressee	T	
41	No polling original at addressee	P-R	
44	T5 time over (for ECM communication)	T	
46	Busy-tone is detected.	T, P-R	Busy tone is detected from the line when a signal is sent in automatic dialing.
48	Remote station doesn't reply.	T, P-R	No response signal from the remote station is detected when a signal is sent in automatic dialing.

Interruption at addressee

Code	Contents	Div.	Description/Treatment
50	DCM reception or unknown command	T,R	Treatment: Print G3 status data to check communication condition.
51	Execution of DCS, DTC or NNS3 times	T	Treatment: Print G3 status data to check communication condition. DIS is sent back if DCS, etc. are not received by addressee. Since it is possible that addressee machine is defective due to same reason or other for other cases. In such case, execute monitoring for checking, and inquire opponent maker.
52	T6 time over	R	Carrier failed to arrive within 6 seconds after transmitting MCF against CFR or MPS.
53	PHASE-C carrier interruption	R	
54	Execution of host message 3 times	T	Host message signal (See FCF list). Treatment: DIS is sent back if DCS, etc. are not received by addressee. Since it is possible that addressee machine is defective due for some reason or other. In such case execute monitoring for checking, and contact the other party.
55	Multi-page (mode change)	T	
56	No PHASE signal is detected. (G2 MODE)	R	
59	T1 is in time- out (MULTI PAGE).	T	

Communication failed to establish due to error in line

Code	Contents	Div.	Description/Treatment
60	Failure to train at 2,400BPS	T	Training failed even if communication speed was decreased to 2,400BPS. Treatment: Desired effect will be assured by using treatment codes No.30~36.
62	Carrier can't be cut off	T,R	

Communication failed to establish due to interchangeability

Code	Contents	Div.	Description/Treatment
71	Key code inconsistency (polling, closed area comm.)	P-T T,R	
72	Other manufacturer's equipment	P-T	When a request to receive a polling text with password is received from a machine made by other manufacturer
73	When sending a text at 4800 bps to a machine with only V29	T	
75	No automatic polling setting	P-T	
79	No function prepared to opponent machine (confidential communication)	T	

Appendix-C. Examples of reports

```
                        ***  ACTIVITY REPORT  ***

PRINT TIME   NOV. 26 '98   05:37    ID:ABC COMPPANY     111-2222

                                                  TRNS.  TOTAL  PAGES      2

                                                  RECV.  TOTAL  PAGES      3

NO   DATE    START   TX/RX     IDENTIFICATION         PAGES   TIME    CODE
 1   NOV. 26  5:18   G3/TX     CCA CORPORATION           1    0'39"   OK
 2   NOV. 26  5:19   G3/RX(P)  AAA CORPORATION           1    0'40"   OK
 3   NOV. 26  5:20   G3/RX(R)  AAA CORPORATION           2    1'07"   OK
 4   NOV. 26  5:36   G3/RX     YYZ CORPORATION           1    0'25"   OK

                 (3)     (4)                  (1)      (2)       (5)    (6)
```

(1) FAX ID
(2) FAX NUMBER
(3) COMMUNICATION START TIME
(4) COMMUNICATION MODE
     G3 TRANSMISSION
     G3 RECEPTION
                etc.
(5) COMMUNICATION TIME
    (ON LINE)
(6) COMMUNICATION ERROR CODE

```
***  TRANSMISSION RECEIPT  ***


PRINT TIME   NOV. 26 '98   04:24    ID:ABC COMPANY        111-2222



   DATE    START   TX/RX   IDENTIFICATION              PAGES   TIME   CODE

   NOV. 26  4:23   G3/TX   YYZ CORPORATION                1    0'39"  OK


   ERROR PAGE

   NOTHING





        (3)     (4)                     (1)        (2)        (5)    (6)
```

(1) FAX ID
(2) FAX NUMBER
(3) COMMUNICATION START TIME
(4) COMMUNICATION MODE
    G3 TRANSMISSION
    G3 RECEPTION
           etc.
(5) COMMUNICATION TIME
    (ON LINE)
(6) COMMUNICATION ERROR CODE

```
                    ***  ONE TOUCH DIAL LIST  ***


  NO    NAME            FAX NUMBER              TELEPHONE NUMBER        MODEM

   1    ABCGHHH         123456789               2254658                 9600
   2    ZYTSNYHG        9898989                 6663544                 9600
   3    TOGGG           32165498                3652147                 9600
```

(1) MODEM START SPEED

```
                    ***  PROGRAM KEY  5 LIST  ***                    PAGE 1


                                        TIMER      PASS      POLLING

                                        11:11      0000        OFF

  NO    NAME            FAX NUMBER                            MODEM

  SP 71  TT             71                                    9600
  OT  3  TT             33                                    9600
  RANDOM                88                                    9600
```

(1) COMMUNICATION START TIMER
(2) CONFIDENTIAL PASS WORD
(3) REVERSE POLLING
(4) MODEM START SPEED

```
                    ***  SPEED DIAL LIST  ***                        PAGE   1


NO   NAME              FAX NUMBER                TELEPHONE NUMBER              MODEM
 1   AA                01                        01                            9600
 2   BB                02                        02                            4800
 3   CC                03                        03                            9600
71   TT                71                        71                            9600
```

(1) MODEM START SPEED

```
                    ***  DEPARTMENT REPORT  ***


NO      NAME            TX PAGES   CALLING TIME   RX PAGES   CALLED TIME   COPY
 0      ABC COMPANY        5        00:02:27        0        00:00:00       0
 1      AAA                0        00:00:00        0        00:00:00       0
 2      BBB                0        00:00:00        0        00:00:00       0
```

(1) DEPARTMENT NAME
(2) TRANS TOTAL PAGES
(3) COMMUNICATION TOTAL TIME(CALLING)
(4) RECV. TOTAL PAGES
(5) COMMUNICATION TOTAL TIME(CALLED)
(6) COPY TOTAL PAGES

```
***  MEMORY SWITCH LIST  ***

PRINT TIME   NOV. 26 '90   04:48   ID:ABC COMPANY        111-2222
ROM Version  0.64 901126

NO    FUNCTION                      SET CODE      DEFAULT

 0    RECEIVE DETECT                   1             1
 1    DIALING METHOD                   2             2
 2    PAUSE TIME                       3             3
 3    RETRY COUNT                      2             2
 4    NUMBER OF RINGING                2             2
 5    H.T. PATTERN(STD)                0             0
 6    H.T. PATTERN(FINE)               0             0
 7    T.T.I. PRINT                     1             1
 8    CLOSED NETWORK                   0             0
 9    TRANSMISSION RECEIPT             0             0
10    INITIAL (RESOLUTION)             0             0
11    INITIAL (CONTRAST)               1             1
12    INITIAL (HALFTONE)               0             0
13    DEPARTMENT MANAGEMENT            0             0
14    AUTO REDUCTION                   1             1
```

```
                                      (1)           (2)
```

(1) NOW SETTING CODE
(2) FACTORY SET

```
                   ***  COMMAND  0 LIST  ***                         PAGE 1


RESOLUTION      CONTRAST     HALFTONE   TIME   ECM   REDUC.    PASS    POLLING   RCEIPT

STANDARD        NORMAL       OFF        12:30  ON    ON        1212    OFF       ON

NO    NAME              FAX NUMBER                             MODEM

0     ABCGHHHH          123456789                              9600
1     ZYTSNMHG          9898989                                9600
2                       12349999                               9600
```

<!-- callout line numbers -->
```
                                        (1)                   (2) (5)  (3)       (4)
```

(1) COMMUNICATION START TIMER
(2) CONFIDENTIAL PASSWORD
(3) REVERSE POLLING
(4) TRANSMISSION RECEIPT
(5) MODEM START SPEED

```
***   POWER DOWN (COMMAND  2)  REPORT  ***                    PAGE 1


RESOLUTION    CONTRAST    HALFTONE    TIME   ECM   REDUC.   PAGES   POLLING   RCEIPT

 STANDARD     NORMAL       OFF       12:44   ON    ON      4121     OFF       OFF

NO    NAME             FAX NUMBER                    MODEM    PAGES    CODE

0                      11                            9600      0      1-29
```

(1)   COMMUNICATION START TIMER
(2)   CONFIDENTIAL PASSWORD
(3)   REVERSE POLLING
(4)   TRNSMISSION RECEIPT
(5)   MODEM START SPEED

```
                        ***  FILE LIST  ***


FILE NO         PAGES        MODE          DATE
   1              1          POL-T       NOV. 05 13:26
   2              1          MEM-T       NOV. 05 13:26
   3              1          RCV         NOV. 05 13:28
```

(1) FILE TOTAL PAGES
(2) FILE MODE
       MEM-T : MEMORY TRANSMISSION FILE
       POL-T : POLLING TRANSMISSION FILE
       RCV   : RECEIVE DATA FILE
(3) FILING TIME

```
***  BROADCAST REPORT  ***


PRINT TIME    NOV.26 '90    05:06    ID:ABC COMPANY        111-2222


NO   DATE    START    TX/RX    IDENTIFICATION              PAGES    TIME    CODE
 1   NOV.26  5:00     G3/TX    YYZ CORPORATION                1    0'38"    OK
 2   NOV.26  5:04     G3/TX    TGA CORPORATION                1    0'37"    OK
 3   NOV.26  5:05     G3/TX    PPF CORPORATION                1    0'54"    OK
```

         (3)   (4)   (1)   (2)   (5)   (6)

(1) FAX ID
(2) FAX NUMBER
(3) COMMUNICATION START TIME
(4) COMMUNICATION MODE
     G3 TRANSMISSION
(5) COMMUNICATION TIME
     (ON LINE)
(6) COMMUNICATION ERROR CODE

```
***  MULTI POLLING REPORT  ***


PRINT TIME    NOV.26 '90    05:14    ID:ABC COMPANY        111-2222


NO   DATE    START    TX/RX       IDENTIFICATION           PAGES    TIME    CODE
 1   NOV.26  5:07     G3/RX(P)    PPF CORPORATION             1    0'40"    OK
 2   NOV.26  5:11     G3/RX(P)    AAA CORPORATION             1    0'41"    OK
 3   NOV.26  5:12     G3/RX(P)    CCA CORPORATION             1    0'41"    OK
```

         (3)   (4)   (1)   (2)   (5)   (6)

(1) FAX ID
(2) FAX NUMBER
(3) COMMUNICATION START TIME
(4) COMMUNICATION MODE POOLING RECEPTION
(5) COMMUNICATION TIME
     (ON LINE)
(6) COMMUNICATION ERROR CODE

RESOLUTION	CONTRAST	HALFTONE	TIME	ECM	REDUC.	PAGS	POLLING	RCEIPT
STANDARD	NORMAL	OFF	16:28	ON	ON	0000	OFF	OFF

NO	NAME	FAX NUMBER	MODEM
0		11	9600

(1)

(1) ADDRESSEE FAX NUMBER

The following message is printed out when some trouble is occurred.

```
                    Some TRANSMISSION RECEIPTs were lost.
```
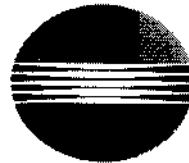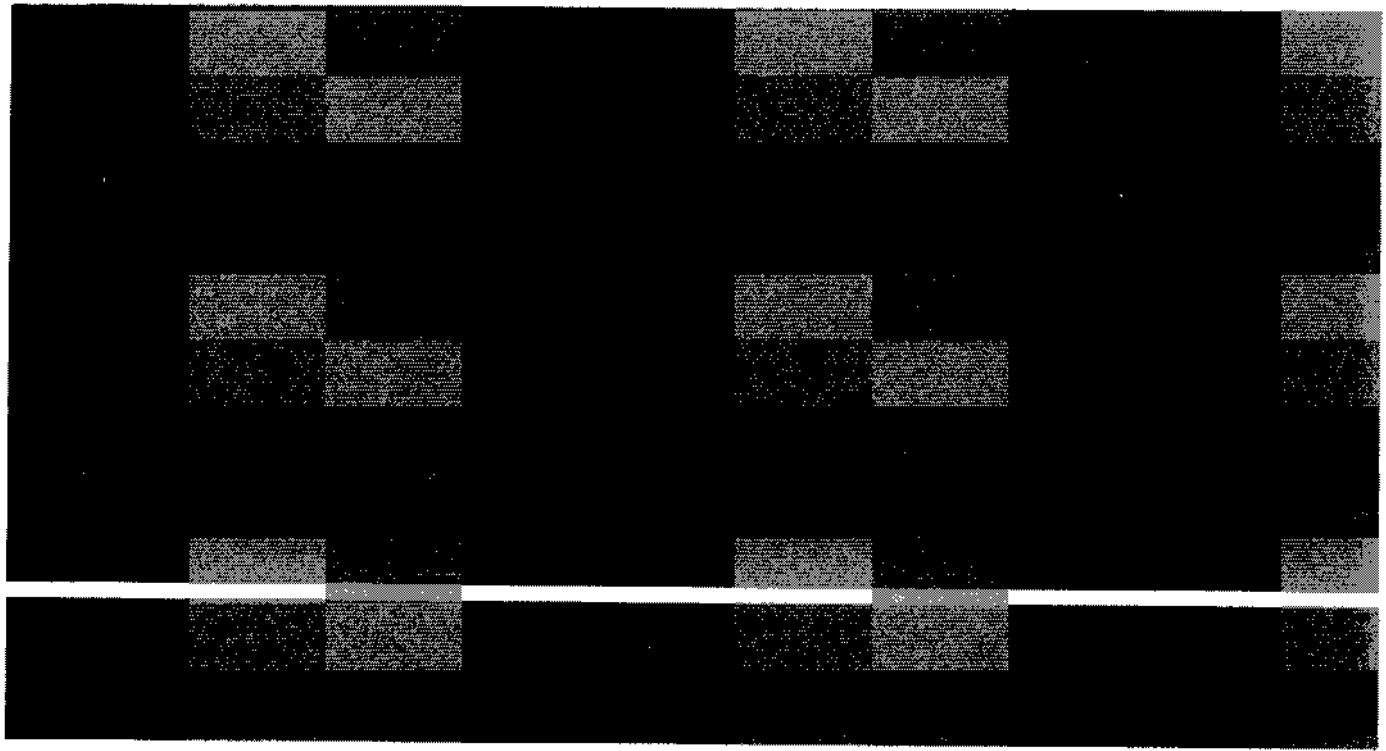
```
                    Some ACTIVITY REPORTs were lost.
```

```
                    Some BROADCAST REPORTs were lost.
```

```
                    Some MALTIPOLLING REPORTs were lost.
```

```
                    Some DEPARTMENT REPORTs were lost.
```

MINOLTA