Quasar

AUTOPAX* System

Phone • Answering • faX system

MODEL NO. PAX200H

OPERATING INSTRUCTIONS

Please read before use.

●Important Information

If required by the telephone company, inform them of the following.
- ●FCC Registration No.: (found on the rear side of the unit)
- ●Ringer Equivalence: 0.2B
- ●The particular telephone line to which the equipment is connected.

The unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

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

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notices is impractical, the company may temporarily cease service providing that they:
a) Promptly notify the customer.
b) Give the customer an opportunity to correct the problem with their equipment.
c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in F.C.C. Rules and Regulations Subpart E of Part 68.

The telephone company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in F.C.C. Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require

modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

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.

This telephone provides magnetic coupling to hearing aids.

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

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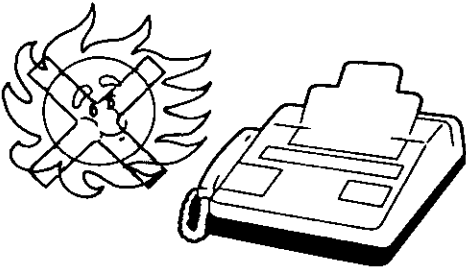
● Precaution

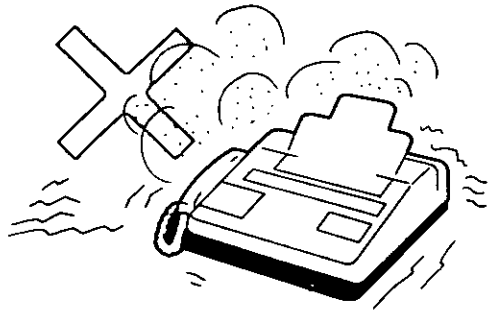Keep the unit away from heating appliances such as radiators or air conditioning units.
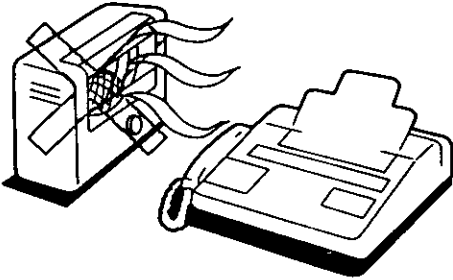
Keep the unit away from electrical noise generating devices such as fluorescent lamps and motors.
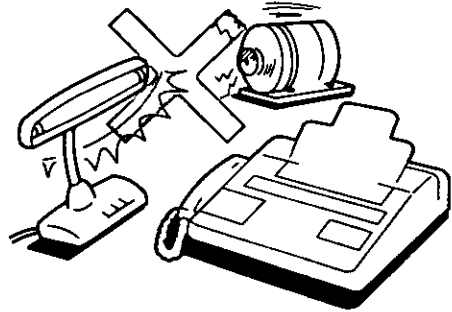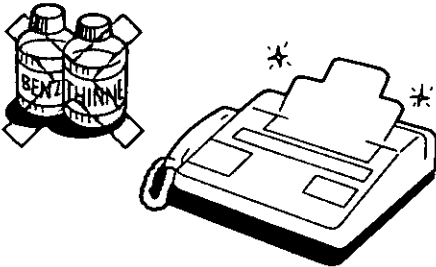
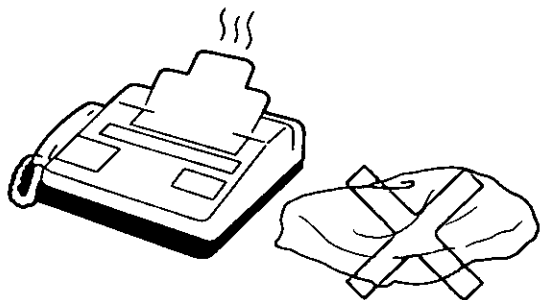The unit and the cassette tape should not be exposed to direct sunlight.

The unit and the cassette tape should be kept free from dust, moisture, high temperature and vibration.

Do not use benzine, thinner, or the like, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.

Do not place any covering over the unit while it is turned on.

● Introduction

Thank you for purchasing the Quasar Telephone Answering Device with Facsimile. Before using the unit, please read these OPERATING INSTRUCTIONS. The instructions have been written to take the user from initial set-up through the operation of advanced features.

This manual is divided into 5 chapters-Initial Preparation, Basic, Intermediate, Advanced Instruction, and General Information. Each chapter has been divided into three sections: Telephone, Answering Device, and Facsimile. Cross references are included to allow the user to continue the set-up and usage (from initial set-up through advanced instruction) one section at a time.

Contents

CHAPTER 1

Unpacking and Initial Preparation

● Accessories

1. Carefully remove the unit from the packing carton.

2. Examine the unit for signs of shipping damage.

3. All of the necessary accessories, hardware, cords, etc., are packed with the unit. Make sure that you have removed all accessories before discarding the packing material.

4. Check that all of the accessories are included. If you are missing any item, consult your place of purchase.

Telephone line cord .... one
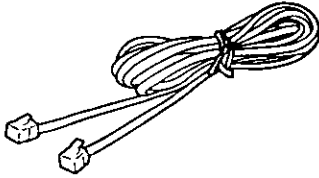
Micro cassette tape........................... one

AC power cord .... one
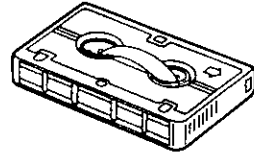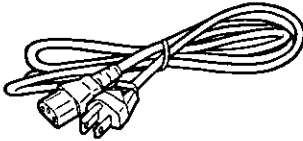
Handset .... one
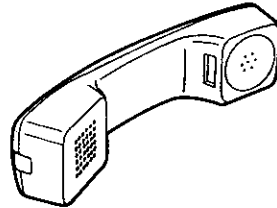
Document tray .... one
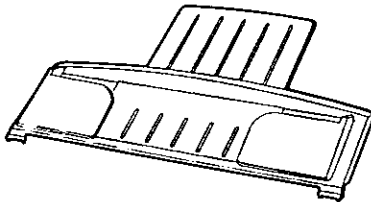
Handset cord................................... one
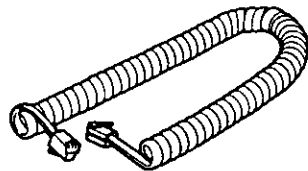
Recording paper .... one
216 mm × 15 m roll (8½"×49' roll)
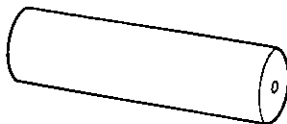
Printed materials:
● Operating instructions
● Quick reference card for facsimile (English/Spanish)
● Quick reference card for tone remote control
● Fax correspondence sheet

●Location of controls

Front view

Document Tray

Cassette Compartment

MIC (Microphone)

VOLUME Control

RINGER Volume Selector

DIALING MODE Selector

Rear view

POWER Switch

TO TEL LINE Jack

AC Jack

TO EXTERNAL TEL Jack

Side view

FRONT LID OPEN
Lever

BACK LID OPEN
Lever
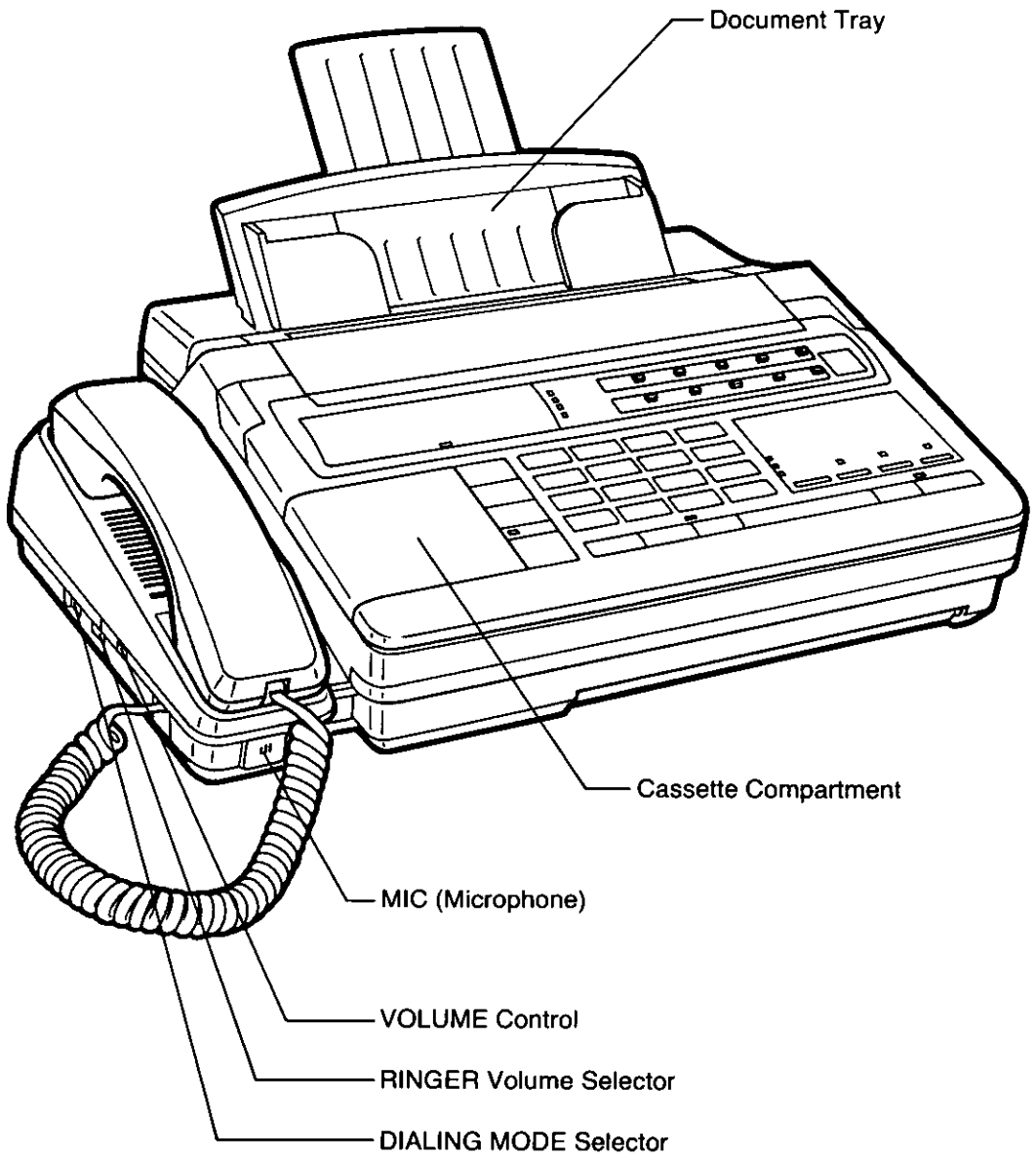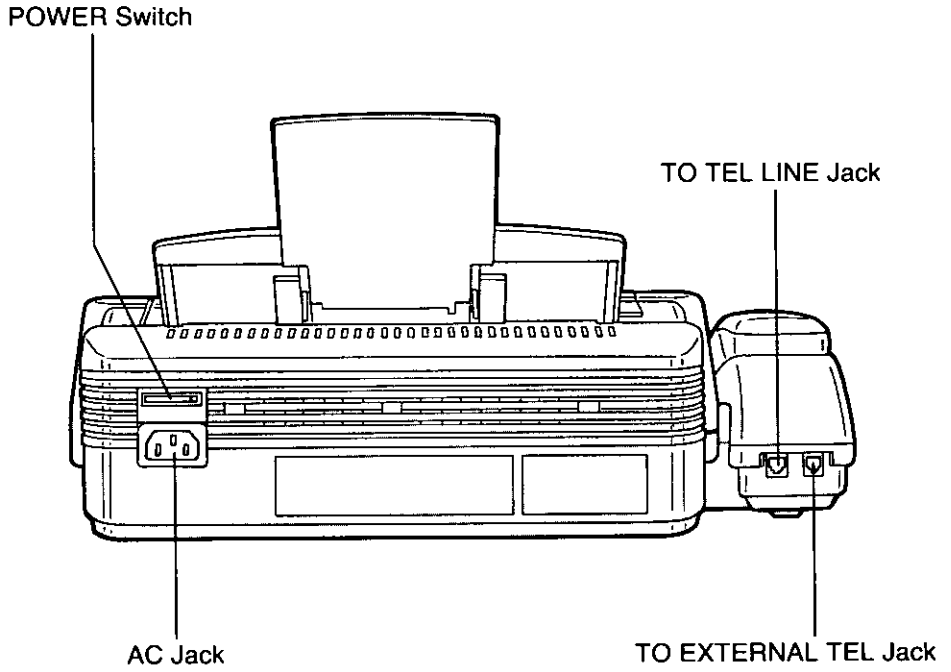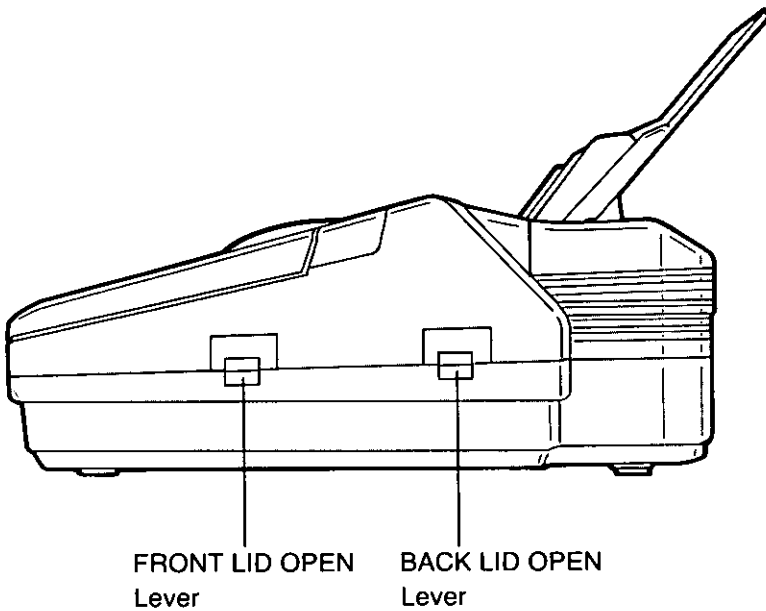
●Installation connections

CONNECT TO UNIT:
1. AC power cord

2. Telephone line cord

3. Handset cord

CONNECT TO OUTLET:
1. AC outlet

2. Telephone line

Handset

Connect to
"AC Jack"

Connect to
"TO HANDSET"

Connect to
"TO TEL LINE"

Connect to
"TO EXTERNAL TEL"

AC Outlet
(120 V, 60 Hz)

Modular Jack
for single line (RJ11C)

(AC Surge)
(Protector)

(C.O. Surge)
(Protector)

Reserve Telephone
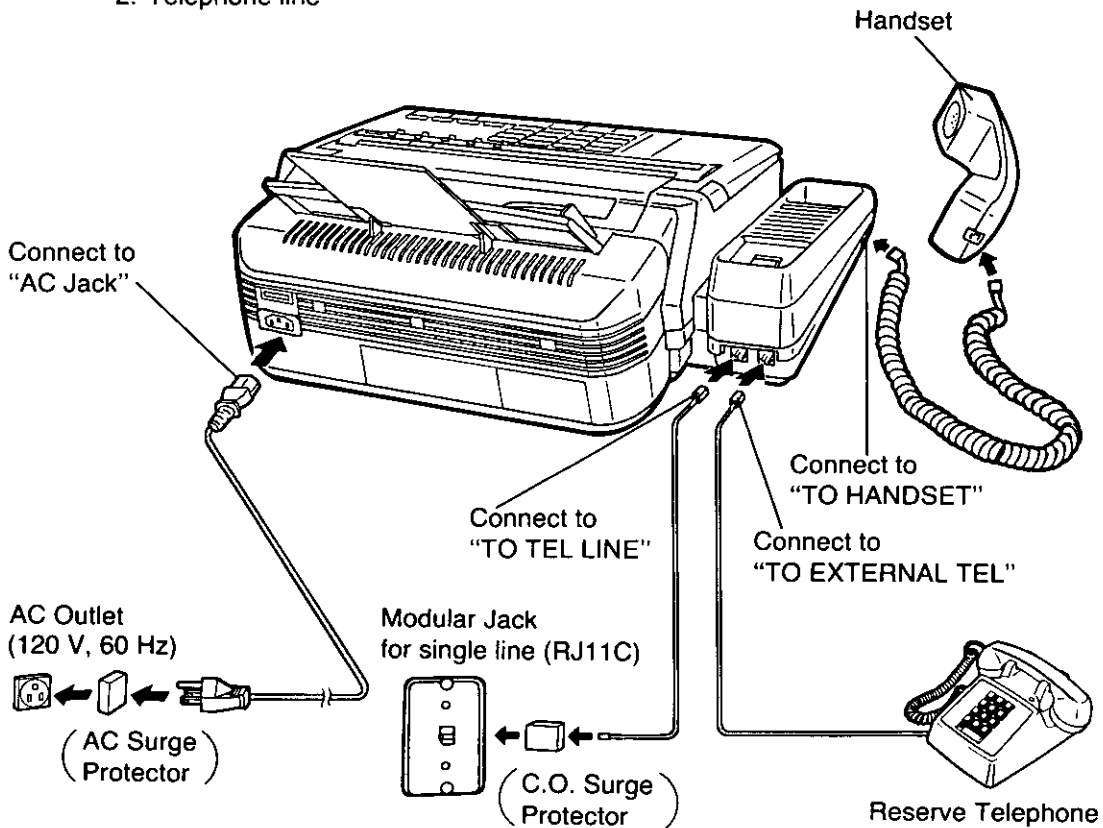
HELPFUL HINTS
- ●This unit is equipped with a 3-wire grounded plug for safety. If you are unable to insert the plug into your outlet, contact your electrician to replace your outlet.
- ●We recommend you use an exclusive AC outlet to avoid interference from other equipment.
- ●For additional equipment protection we recommend the use of surge protectors.
- ●The unit will not function during a power failure or when the power is turned off. However, if you connect a reserve telephone to the port marked "TO EXTERNAL TEL", you will be able to make calls.
- ●If your unit is connected to the same line as other extensions, do not use other extension during fax transmission and reception. Image quality will be affected.

●Recording paper installation

Follow the steps below to install a new roll of recording paper.

1 Press the FRONT LID OPEN lever down to open the cover.

FRONT LID OPEN
Lever
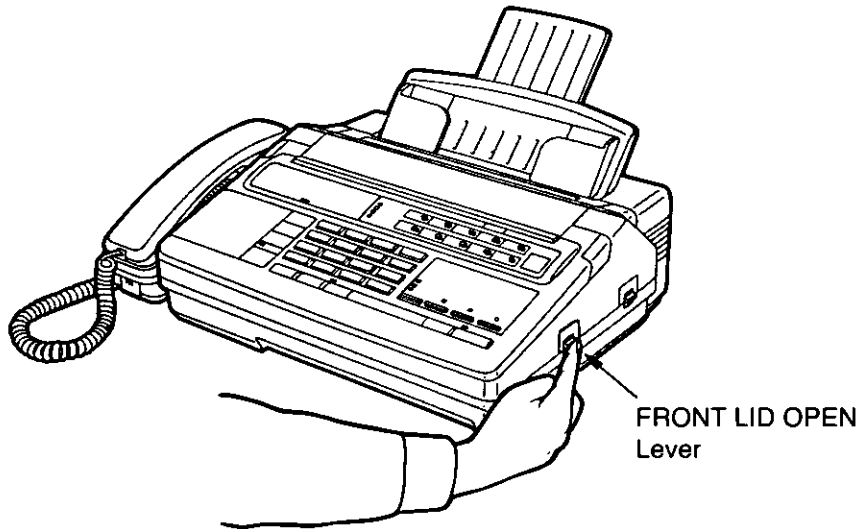
2 Place a recording paper roll into the paper compartment.
Make sure that the shiny side of the paper is facing up and that there is no
slack in the paper roll.

Slack
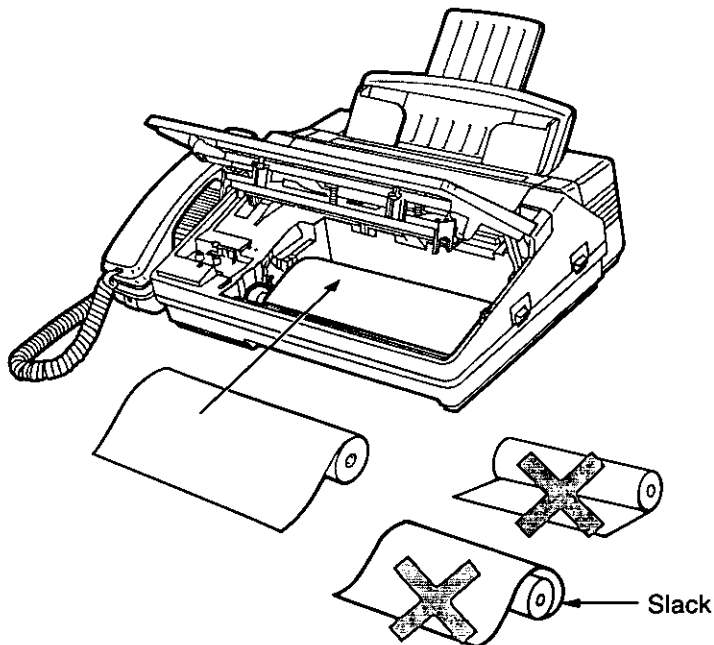
3 Insert the recording paper between the upper and the lower guide plates and pull the paper a few centimeters (one or two inches) out of the unit.

Cross Section

Upper plate with green label

Lower plate   Roller
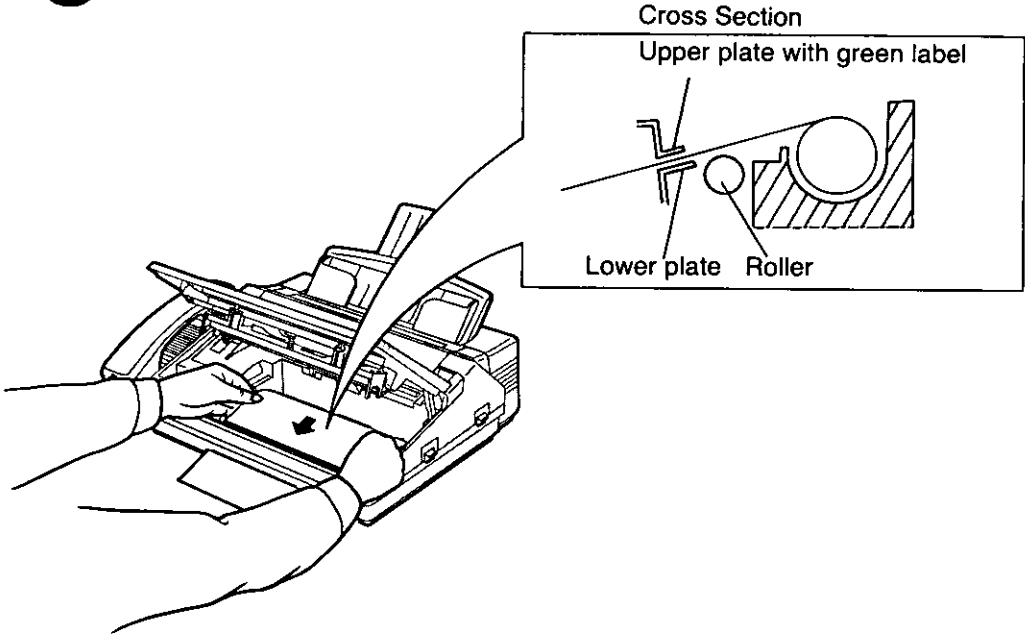
4 Close the cover carefully by pressing both ends gently.
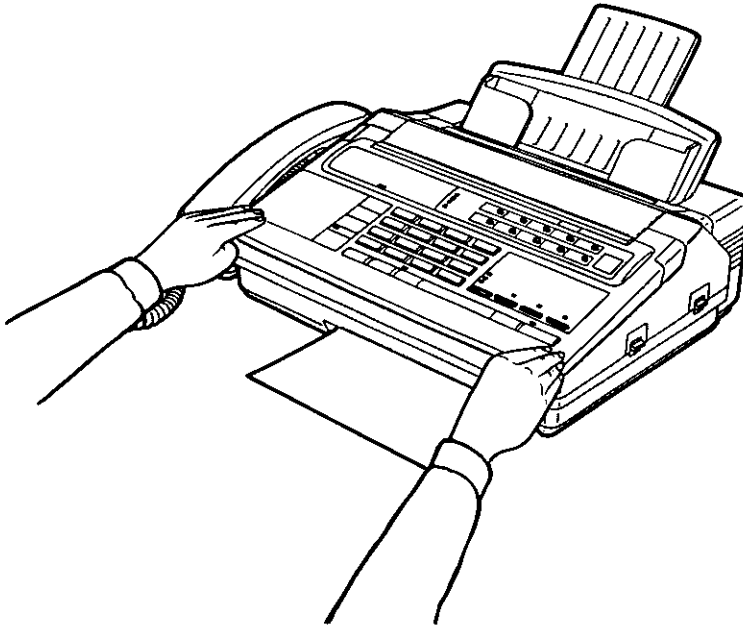
HELPFUL HINTS
- For replacement, use only thermal facsimile paper, shiny side out.
- 216 mm×30 m (8½"×98') roll
- Use of incorrect paper may affect print quality or cause excessive thermal head wear.

●Document tray installation

1 Insert the two tabs "A" of the tray into the two grooves on the unit.

Pull up the plate of the tray.
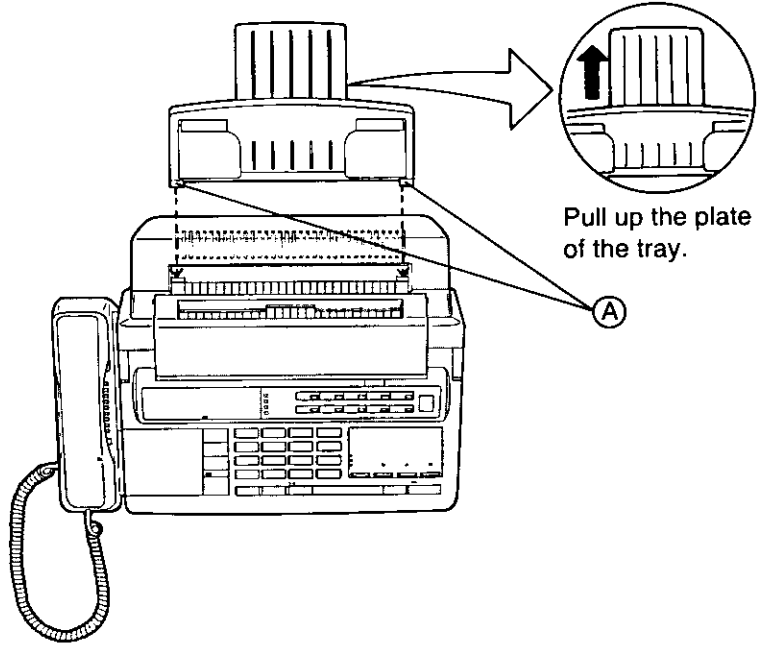
2 Press "B" with both hands until the two fins "C" on the rear of the tray click into place.
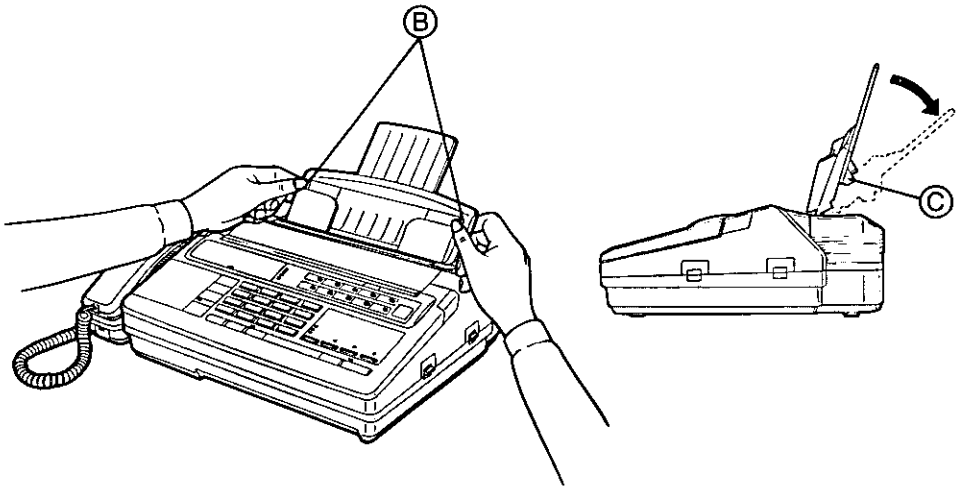
●Micro cassette tape installation

1. Remove slack from tape, (if any) using a pencil and rotating the tape reel, as shown.
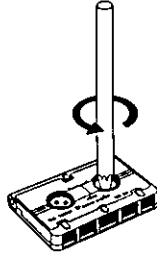
2. Open the compartment cover.

3. Insert tape into compartment by

   A. Slide in.

   B. Push down.

4. Close compartment cover.
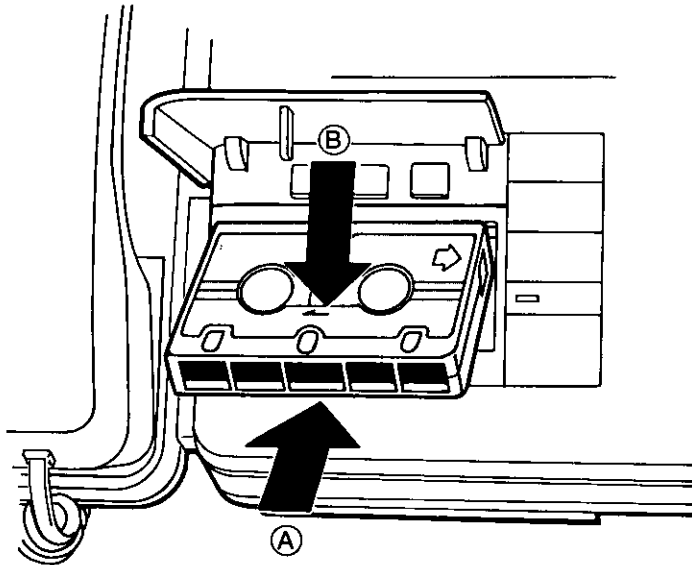
HELPFUL HINTS
- ●For optimum sound quality use side 2 of tape after 6 months and replace the tape after 1 year.
- ●Never place a cassette tape near a magnetic source such as a magnet or a TV set, because it may erase or interfere with any messages on the tape.
- ●Replace the tape if it breaks or becomes worn.

●Selector settings
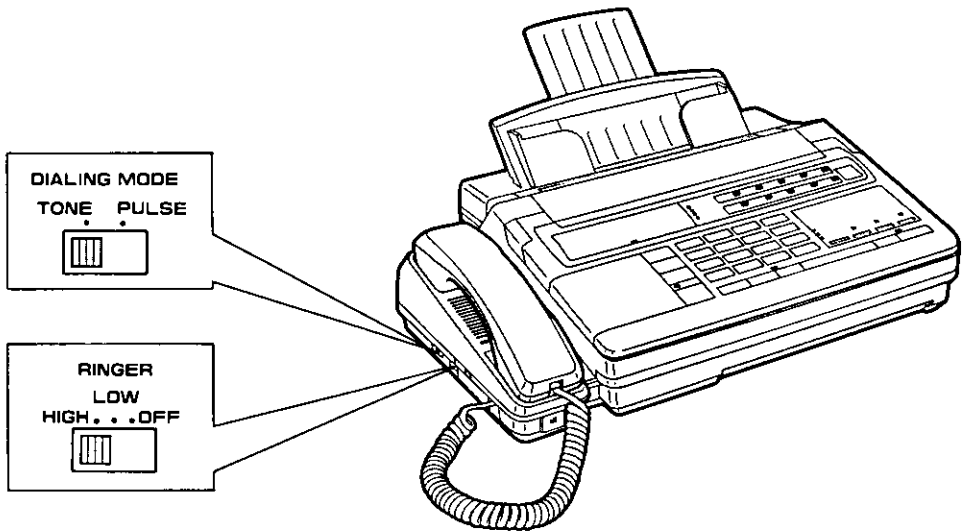
DIALING MODE Selector

If your line has;

1. Touch tone service, set selector to "TONE".
2. Rotary pulse dial service, set selector to "PULSE".

RINGER Volume

HIGH: The ringing sound will be loud.
LOW: The ringing sound will be soft.
OFF: The unit will not ring.

●Turning the POWER switch on

Before turning the POWER switch on, confirm the following:
1. The cassette tape and the recording paper are installed properly.
2. The handset is on the cradle.

Turn the POWER switch to the "I (ON)" position.
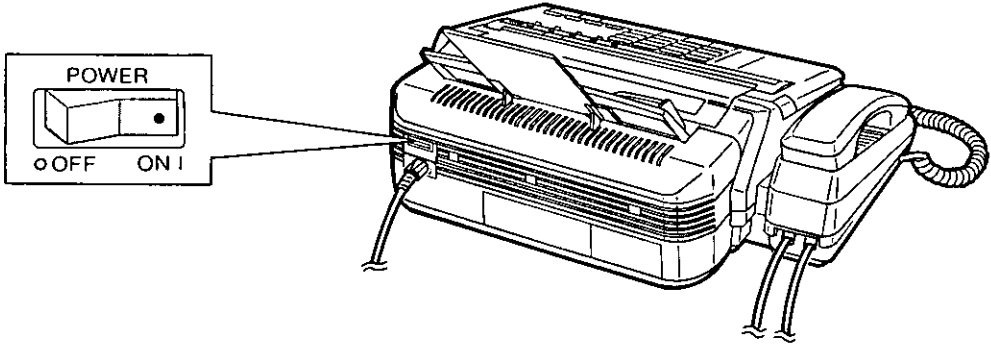
HELPFUL HINT
●When you use the unit for the first time, the ALARM indicator will light. After recording your outgoing message, the ALARM indicator will go out. See page 2-4.

●The buttons and indicators
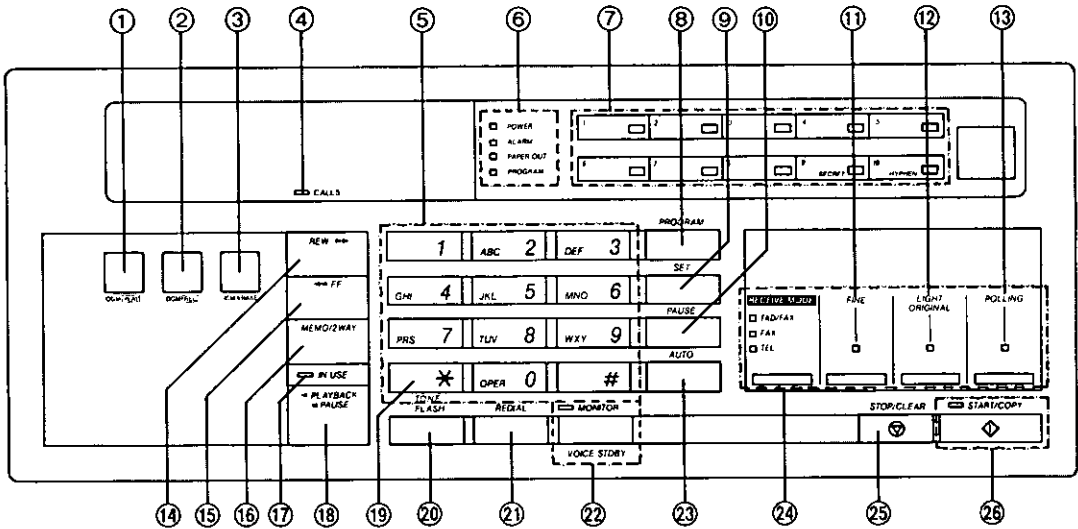
① **OGM PLAY Button:**
Used to replay your outgoing message.

② **OGM REC Button:**
Used to record your outgoing message.

③ **ICM ERASE Button:**
Used to erase recorded incoming messages at high speed.

④ **CALLS Indicator:**
The indicator flashes to show the number of incoming messages recorded.

⑤ **Dial Keypad:**
Used to dial or program numbers.

⑥ **POWER Indicator:**
The indicator lights when the POWER switch is turned on.

ALARM Indicator:
The indicator lights when any trouble occurs.

PAPER OUT Indicator:
The indicator lights when the recording paper roll is empty.

PROGRAM Indicator:
The indicator lights or flashes when you are programming the unit.

⑦ **Direct Call Station Keys:**
Used for one touch dialing.

⑧ **PROGRAM Button:**
Used to start or end programming functions.

⑨ **SET Button:**
Used to store parameters during programming.

⑩ PAUSE Button:
Used to insert a pause into a facsimile telephone number during programming.

⑪ FINE Button and Indicator:
Used to set the scanning line density. The indicator lights when this feature is on.

⑫ LIGHT ORIGINAL Button and Indicator:
Used to transmit or copy originals with faint writing. The indicator lights when this feature is on.

⑬ POLLING Button and Indicator:
Used for polling function. The indicator lights when this feature is being set.

⑭ REW (REWIND) Button:
Used to run the tape quickly backward to a desired point.

⑮ FF (FAST FORWARD) Button:
Used to run the tape quickly forward to a desired point.

⑯ MEMO/2WAY Button:
Used to start and stop recording of a memo message or a telephone conversation.

⑰ IN USE Indicator:
The indicator lights or flashes when the answering device is in use.

⑱ PLAYBACK/PAUSE Button:
Used to play back recorded messages, or interrupt playback or FF/REW operation.

⑲ TONE Button:
Used to change the dialing mode from pulse to tone during a dialing operation.

⑳ FLASH Button:
Used to access some features of your host PBX.

㉑ REDIAL Button:
Used to redial the last dialed number.

㉒ MONITOR/VOICE STDBY Button and Indicator:
Used for on-hook dialing and voice contact features. The indicator lights when these functions are on.

㉓ AUTO Button:
Used for speed dialing.

㉔ RECEIVE MODE Button and Indicators:
Used to select the desired receiving mode. The indicators light to show the mode in which the unit is set.

㉕ STOP/CLEAR Button:
Used to cancel transmission or copy operation. Also used during programming to clear the previously entered parameters.

㉖ START/COPY Button and Indicator:
Used to start transmission and copy functions. The indicator lights when these functions are on.

●Setting the RECEIVE MODE

Press the RECEIVE MODE button to set to:
A) TAD/FAX: When you want to use TAD (telephone answering device) and Facsimile.
B) FAX: When you want to use Facsimile only.
C) TEL: When you want to use as standard telephone only.
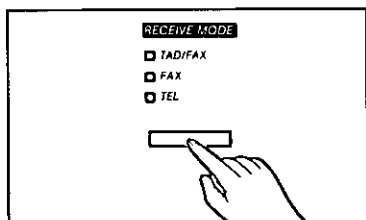
Press the RECEIVE MODE button to set to TAD/FAX, FAX or TEL.

HELPFUL HINTS
TAD/FAX MODE:
The unit will automatically distinguish between voice and fax calls. If a fax tone is heard, the unit will switch automatically to the fax mode. If the caller's voice is heard within 5 seconds of the end of the OGM, the answering device will receive message. You are also able to speak with the other party and transmit or receive documents.
●If a caller wishes to transmit a document after recording a voice-message:
Advise the caller to "Press the asterisk (✳) button to send a document after recording your voice-message.".
●If a caller wishes to record a voice-message after sending a document:
Advise the caller to "Make a call reservation following a voice contact procedure on your facsimile during transsision.". The unit will start playig the OGM again, then be able to record a voice-message.

FAX MODE:
●When the unit is in this mode, you will only be able to receive fax calls. You are still able to make outgoing voice calls.

TEL MODE:
●For use as standard telephone, you can also receive a fax during a telephone conversation by pressing the START/COPY button.

CHAPTER 2

Basic Features

| Telephone |

| Answering device |

| Facsimile and copy |

●Making and answering voice calls

Making voice calls

Using the handset:

1 Lift the handset.

2 Dial the phone number.

Using on-hook dialing:

1
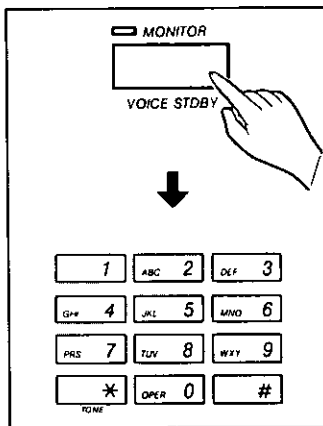
Press the MONITOR button, then dial the phone number.

The MONITOR indicator lights.

2

When the other party answers your call, lift the handset and talk with it.

Answering voice calls

Set the RECEIVE MODE to TEL. (See page 1-14.)

When the phone rings, lift the handset to answer the call.

Redialing (Repeat call attempt)

If the line is busy or you wish to redial the last dialed number, you can redial by simply pressing the REDIAL button.

1

MONITOR

VOICE STDBY

Press the MONITOR button or lift the handset.

2
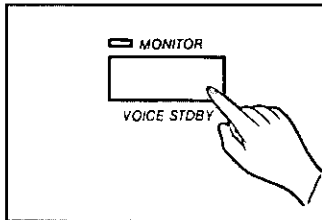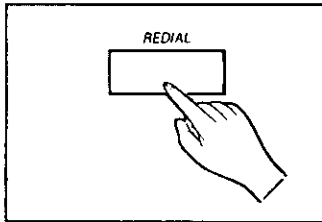
REDIAL

Press the REDIAL button.

HELPFUL HINTS
- If the line is busy when using on-hook dialing, the unit redials the last dialed number automatically up to 15 times within 10 minutes.
- During interval between each redialing, the MONITOR indicator flashes.
- To cancel automatic redialing, press the FLASH button or the STOP/CLEAR button.

TO CONTINUE TELEPHONE SET UP ONLY, SEE PAGE 3-11.

●Recording an outgoing message (OGM)

HELPFUL HINTS

●Before using your unit as both an answering device and a facsimile, you should first record your outgoing message.

●You can store a personal outgoing message up to 16 seconds on the voice-recordable microchip. Once recorded, the OGM will be automatically recorded on the micro cassette tape as a backup in case of power failure.

●If a power failure takes place or the power switch is turned off, the OGM recorded on the microchip will be erased. However, after the power is restored, the unit will automatically re-record the OGM onto the microchip using the OGM recorded on the tape. You need not re-record your OGM.

OGM[PLAY]   OGM[REC]   ICM ERASE

IN USE Indicator

VOLUME Control

MIC (Microphone)
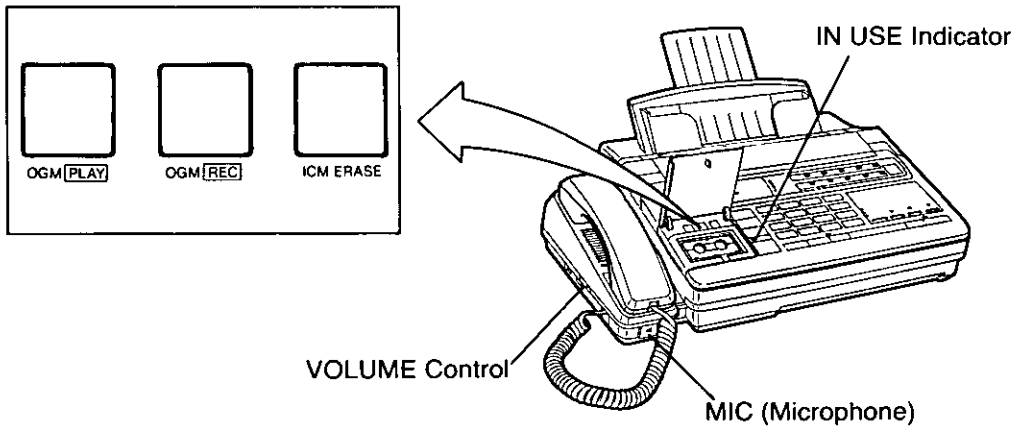
Suggested message

Record your OGM referring to the examples below.

"This is (your name, business and/or telephone number). We are out right now. To send a fax, start transmission. To leave a message, speak after the long beep. Thank you."

"This is (your name, business and/or telephone number). We are out right now. To send a fax, start transmission. To leave a message, speak for up to 1 minute after the long beep. Thank you."

You can choose from two types of recording time of incoming messages. When the unit is in the "VOX" position, the recording time is unlimited, and when in the "1 MIN" position, the recording time is limited to 1 minute. The two examples above correspond to these two conditions.
The unit is preprogrammed to the "VOX" position. To change the recording time, see page 5-6.

Recording your OGM

1
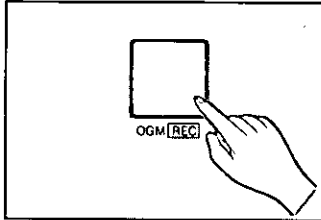
Press the OGM REC button until a long beep is heard, then release it.

The IN USE indicator lights.

2
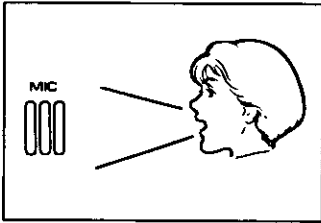
After the beep, speak immediately, clearly and loudly toward the microphone from a distance of approximately 20 cm (8 inches).

3
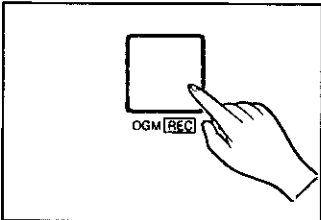
After recording, press the OGM REC button again.

Verifying your OGM

Press the OGM PLAY button.

The unit replays your outgoing message.

Re-recording of OGM

When you replace the cassette tape with a new one or you use the opposite side (side-2), you have to record an OGM again.

●Before transmitting documents

Acceptable documents

The unit can transmit documents that meet the following conditions.

- ●Paper width should be 128 mm (5″) to 216 mm (8½″).
- ●Paper length should not exceed 128 mm (5″) to 600 mm (23⅝″).
- ●Effective scanning width should be up to 208 mm (8³⁄16″).
- ●Paper weight should be 45 g/m² (12 pounds) to 90 g/m² (24 pounds).

Automatic document feeder:
- ●Up to 10 sheets of paper can be set in the document tray at a time.
- ●Paper weight should be 60 g/m² (16 pounds) to 75 g/m² (20 pounds).
- ●Paper with a coated surface must not be used.

Maximum paper size

Effective scanning width

600 mm (23⅝″)

216 mm (8½″)

Effective scanning width 208 mm (8³⁄16″)

Paper width 216 mm (8½″)
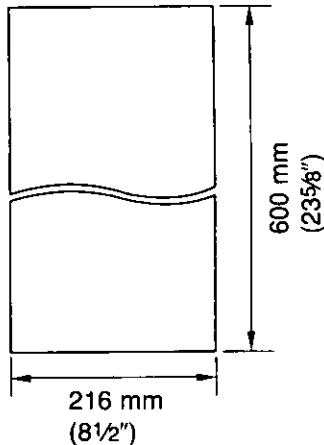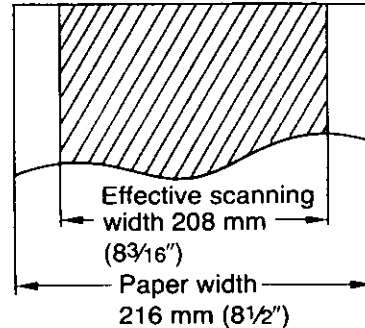
Do not use the following types of documents or it may jam. Make a copy of such documents and feed a copy into the unit.
- ●Paper with chemically treated surfaces such as carbon paper or carbonless duplicating paper
- ●Heavily curled, creased or torn paper
- ●Paper with a coated surface
- ●Small size paper such as a slip or voucher
- ●Thin paper less than 45 g/m² (12 pounds)
- ●Thick paper over 90 g/m² (24 pounds)
- ●Paper whose contrast between the print and the background is faint
- ●Paper whose printing on the reverse side can be seen through from the front (e.g. newspaper)

Remove clips, staples or other similar objects from a document before feeding it into the unit.

Make sure that any ink or paste on the document is completely dry before feeding it into the unit.

HELPFUL HINTS
● A document whose length exceeds 600 mm (23⅝") cannot be transmitted. When you feed such document, the unit stops transmitting and a long beep will be heard. If this happens, press the STOP/CLEAR button and remove the document.
● If a document is electrostatically charged, the automatic document feeder may not function properly.

Document loading

Place the documents on the tray FACE DOWN.

After aligning the documents, adjust the document guide according to their width.

Resolution and contrast

You can set the following functions depending on the quality of an original. Set the functions before transmission or copying. If you set them during transmission, they will be effective from the next sheet to be transmitted.
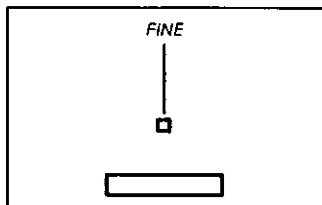
FINE is suitable for originals written with small characters.
Press the FINE button. The FINE indicator lights.
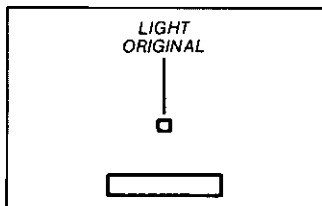
LIGHT ORIGINAL is useful when transmitting or copying originals with faint writing.
Press the LIGHT ORIGINAL button. The LIGHT ORIGINAL indicator lights.

●Transmitting documents

Manual transmission

1
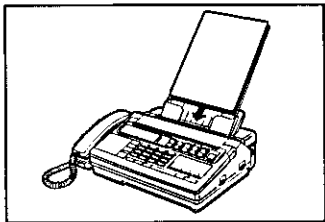
Insert the documents FACE DOWN.

The unit can accept up to 10 sheets of paper at a time.

2
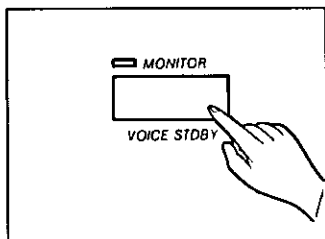
Press the MONITOR button or lift the handset.

3
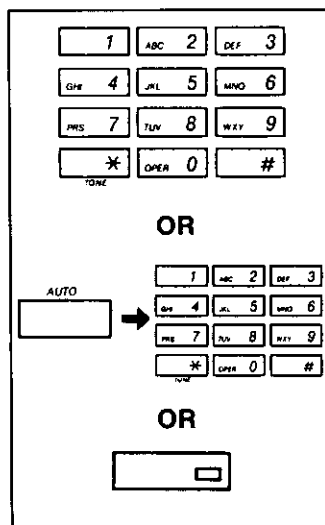
Dial the phone number using dial keypad.

– OR –
Press the AUTO button, then press the desired station number ("00" through "19") by using the dial keypad.
For programming of phone numbers, see page 3-8.

– OR –
Press the direct call station.
For programming of phone numbers, see page 3-7.

4
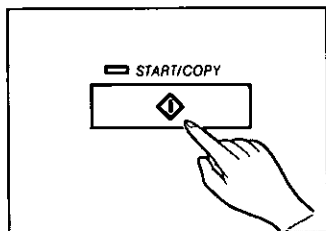
Press the START/COPY button when a fax tone is heard.

The unit feeds and transmits the documents. After pressing the START/COPY button, replace the handset if using it.

To stop transmission:
Press the STOP/CLEAR button until a beep sounds. The transmission is interrupted. To eject the documents, press the STOP/CLEAR button again.

Adding extra pages

If you want to send 11 or more sheets at a time, insert the documents up to 10 sheets of paper first, and add the extra pages up to 10 sheets before the last page feeds into the unit.

Transmitting documents using the REDIAL button

You can transmit documents to the last dialed number using the REDIAL button.
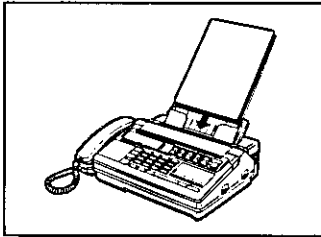
1

Insert the documents FACE DOWN.

The unit can accept up to 10 sheets of paper at a time.

2
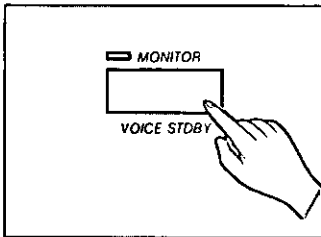
Press the MONITOR button or lift the handset.

3
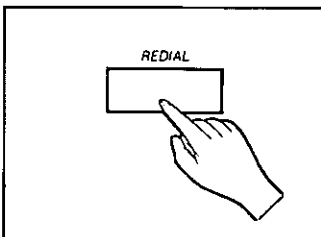
Press the REDIAL button.

The unit dials the last dialed number.

4
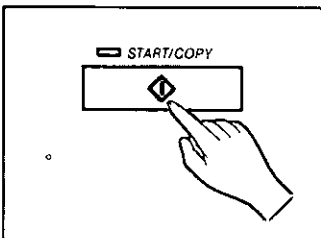
Press the START/COPY button when a fax tone is heard.

The unit feeds and transmits the documents. Replace the handset if using it.

To stop transmission:
Press the STOP/CLEAR button until a beep sounds. The transmission is interrupted. To eject the documents, press the STOP/CLEAR button again.

●Receiving documents and/or voice-messages

Automatic reception

Set the RECEIVE MODE to either:

A) TAD/FAX MODE
B) FAX MODE

See page 1-14.

Manual reception

1

RECEIVE MODE
□ TAD/FAX
□ FAX
□ TEL
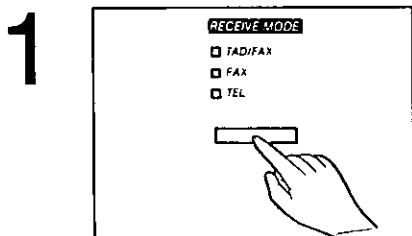
Press the RECEIVE MODE button to set to the TEL mode.
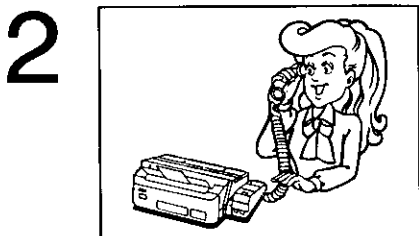
2

When the phone rings, lift the handset to answer the call.

3
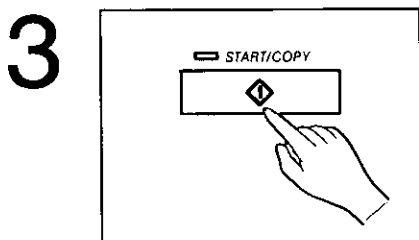
START/COPY

Press the START/COPY button to receive documents, and then place the handset on the cradle.

If you do not place the handset on the cradle after pressing the START/COPY button, the unit automatically calls the other party. For further details, see "Voice contact" on page 3-16.

HELPFUL HINTS
●When the red lines appear on both sides of the recording paper or the PAPER OUT indicator lights, replace the paper roll with a new one.
●The unit cannot receive a document without recording paper. To install a recording paper, see page 1-6.
●If the ALARM indicator lights when you close the cover after installing the paper, open the cover and close it firmly again.
●Begin by transmitting the FAX CORRESPONDENCE leaflet (provided) to several of your associates. In this way you can confirm that your unit is functioning correctly and inform them of the procedure for transmitting documents and/or recording voice-messages on your unit.

Manual reception during a conversation
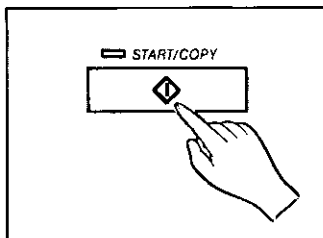
Press the START/COPY button to receive documents during a telephone conversation, and then place the handset on the cradle.

The unit receives documents and the line is automatically disconnected after reception has been completed.

If you wish to resume the conversation after reception, press the MONITOR button while reception is still underway. (For further details, see "Voice contact" on page 3-16.)

TO CONTINUE FACSIMILE SET UP ONLY, SEE PAGE 3-15.

●Making copies

This unit can make a copy. Any transmissible documents can be copied. The unit automatically selects the FINE resolution when copying.

1
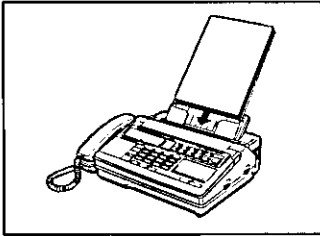
Insert the documents FACE DOWN.

The unit can accept up to 10 sheets of paper at a time.

2
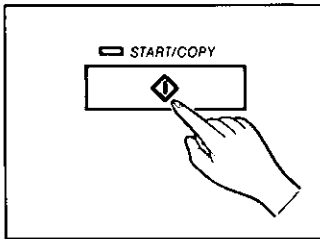
Press the START/COPY button.

The unit feeds the documents and starts copying.

To stop copying:
Press the STOP/CLEAR button until a beep sounds.
To eject the document, press the STOP/CLEAR button again.

CHAPTER 3

Intermediate Features

$$\boxed{\textit{Telephone}}$$

$$\boxed{\textit{Answering device}}$$

$$\boxed{\textit{Facsimile}}$$

●Programming functions

List of programming functions

HELPFUL HINT
● The following functions are user selectable. The most probable choices have been pre-selected as default, but can be changed as needed.

To print out the "SYSTEM SET UP LIST":

1
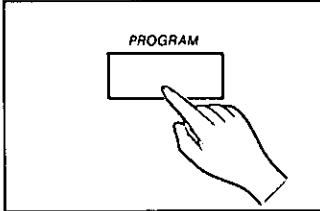
PROGRAM

Press the PROGRAM button.

The PROGRAM indicator lights.

2
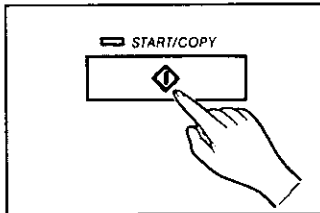
START/COPY

Press the START/COPY button.

The unit starts printing.

```
************************************************************************
*                                                                      *
*  --<< HOW TO SET UP >>--              --<<HOW TO PROGRAM PHONE NO.>>--*
*  1. PRESS "PROGRAM"                   1. CHECK "DIALING MODE" SELECTOR *
*  2. PRESS "#" THEN "CODE NO."         2. PRESS "PROGRAM"              *
*  3. ENTER DESIRED VALUE               3. PRESS "DIRECT CALL" STATION  *
*  4. PRESS "SET" TO STORE YOUR SELECTION  OR PRESS "AUTO" AND "00-19"  *
*     OR PRESS "START/COPY" FOR 41 42 43 50  4. ENTER PHONE NO.         *
*  5. PRESS "PROGRAM" AGAIN TO END SET UP  5. PRESS "SET" TO STORE PHONE NO. *
*                                          TO STORE IN SUCCESSION,      *
*                                          REPEAT STEP 3 TO 5           *
*                                       6. PRESS "PROGRAM" TO END SET UP *
*                                                                      *
*  << SYSTEM SET UP LIST >>                                            *
*          #02 YOUR LOGO            =                                   *
*          #04 YOUR TELEPHONE NUMBER =                                  *
*          #05 FAX LOGO HEADING     = ON      (1 = ON     2 = OFF   )   *
*          #06 REMOTE TAD ID        = 111                               *
*          #11 PRINT TX REPORT      = OFF     (1 = ON     2 = ERROR   3 = OFF )*
*          #12 MAIN PASSWORD        = 0000                              *
*          #16 POLLING PASSWORD     = 0000                              *
*          #17 FAX TX SPEED         = 9600BPS (1 = 9600BPS 2 = 4800BPS) *
*          #18 FAX RX SPEED         = 9600BPS (1 = 9600BPS 2 = 4800BPS) *
*          #20 TONE DETECT          = OFF     (1 = ON     2 = OFF   )   *
*          #30 RECORDING TIME       = VOX     (1 = VOX    2 = 1MIN  )   *
*          #31 CPC MODE             = A       (1 = A      2 = B     )   *
*          #32 TAD RING COUNT       = 1       (0...4      0 : TOLL SAVER )*
*          #33 FAX RING COUNT       = 1       (1...4)                   *
*          #41 PRINT TEL LIST                                           *
*          #42 PRINTER TEST                                             *
*          #43 PRINT CHARACTER CODE                                     *
*          #50 RESET USER PROGRAMMABLE FUNCTIONS (#05 TO #33)           *
*          #9000* (SERVICE DATA SET UP)                                 *
*                                                                      *
************************************************************************
```

Programming

To make a function change:
1. Press the PROGRAM button.

2. Press "#", then press code number described below.

3. If the code number pressed is 02 through 33, enter the desired value and then press the SET button to store the program into memory.
   If the code number pressed is 41 through 50, press the START/COPY button to print out reports.

4. Press the PROGRAM button again to end setup.

CODE	FUNCTION	DEFAULT	REFERENCE
#02	YOUR LOGO	(not entered)	See page 3-4.
#04	YOUR TELEPHONE NUMBER	(not entered)	See page 3-6.
#05	FAX LOGO HEADING	ON	See page 5-4.
#06	REMOTE TAD ID	111	See page 4-5.
#11	PRINT TX REPORT	OFF	See page 5-2.
#12	MAIN PASSWORD	0000	See page 4-12.
#16	POLLING PASSWORD	0000	See page 4-10.
#17	FAX TX SPEED	9600 BPS	See page 5-4.
#18	FAX RX SPEED	9600 BPS	See page 5-5.
#20	TONE DETECT	OFF	See page 5-5.
#30	RECORDING TIME	VOX	See page 5-6.
#31	CPC MODE	A	See page 5-6.
#32	TAD RING COUNT	1 (once)	See page 5-7.
#33	FAX RING COUNT	1 (once)	See page 5-7.
#41	PRINT TEL LIST		See page 5-3.
#42	PRINTER TEST		See page 5-8.
#43	PRINT CHARACTER CODE		See page 5-8.
#50	RESET USER PROGRAMMABLE FUNCTIONS (#05 TO #33)		See page 5-9.
#9000✳	SERVICE DATA SET UP		See page 5-10.

Programming your logo

HELPFUL HINTS
- The logo is a means of identifying your unit.
- Your logo may consist of alphanumeric letters and symbols.
- Your programmed logo will be printed on the top of all pages sent from your unit.

Your Logo   Your Telephone Number   Number of Page

FROM: Quasar Co.   PHONE NO.: 123 4567   P01

FAX CORRESPONDENCE

TO: Mr. SMITH
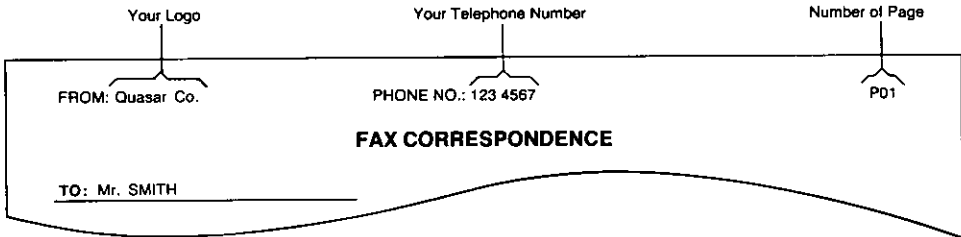
- Usually the logo is a company, division or personal name in an abbreviated form.
- Up to 30 characters can be entered as your logo.
- To enter each character, select the correct code (2 digits) referring to the Character Code Table on page 3-5, and program as shown below.

1 PROGRAM

Press the PROGRAM button.

The PROGRAM indicator lights.

2 #

OPER 0   ABC 2
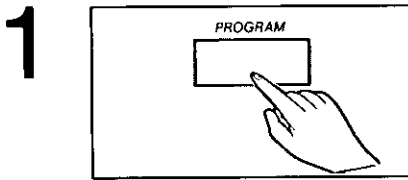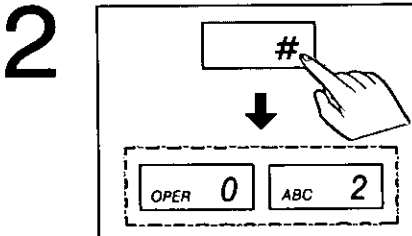
Press "#", then "02" for your logo setting.

3

1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PRS 7	TUV 8	WXY 9
✱ TONE	OPER 0	#
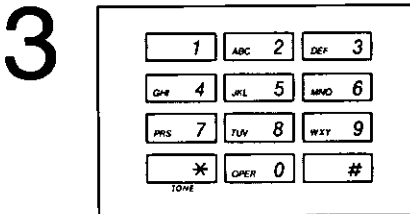
Enter your logo by using the dial keypad.
Example: If you want to program the logo as "COMPANY ABC", press "32 44 42 45 30 43 54 01 30 31 32".
To print out your logo for confirmation while programming, press the START/COPY button.

4 SET

When you have finished, press the SET button to store the program into memory.

5 PROGRAM

Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

Character Code Table

Input	Code	Input	Code	Input	Code	Input	Code	Input	Code
(NOTE1)	0 0	)	1 0	0	2 0	A	3 0	K	4 0
(space)	0 1	∗	1 1	1	2 1	B	3 1	L	4 1
!	0 2	+	1 2	2	2 2	C	3 2	M	4 2
"	0 3	,	1 3	3	2 3	D	3 3	N	4 3
#	0 4	–	1 4	4	2 4	E	3 4	O	4 4
$	0 5	.	1 5	5	2 5	F	3 5	P	4 5
%	0 6	/	1 6	6	2 6	G	3 6	Q	4 6
&	0 7	:	1 7	7	2 7	H	3 7	R	4 7
'	0 8	;	1 8	8	2 8	I	3 8	S	4 8
(	0 9	<	1 9	9	2 9	J	3 9	T	4 9
Input	**Code**	**Input**	**Code**	**Input**	**Code**	**Input**	**Code**	**Input**	**Code**
U	5 0	a	6 0	k	7 0	u	8 0	_	9 0
V	5 1	b	6 1	l	7 1	v	8 1	'	9 1
W	5 2	c	6 2	m	7 2	w	8 2	{	9 2
X	5 3	d	6 3	n	7 3	x	8 3			9 3
Y	5 4	e	6 4	o	7 4	y	8 4	}	9 4
Z	5 5	f	6 5	p	7 5	z	8 5	→	9 5
=	5 6	g	6 6	q	7 6	[	8 6	(NOTE2)	9 6
>	5 7	h	6 7	r	7 7	¥	8 7		9 7
?	5 8	i	6 8	s	7 8	]	8 8		9 8
@	5 9	j	6 9	t	7 9	^	8 9		9 9

NOTE 1: Enter "00" to erase all of the characters that have been programmed. (All Clear)
NOTE 2: Enter "96" to delete the last character. (Back Space)

You can write down the correct codes for your logo.

					5					10					15
Logo															
Code															
Logo															
Code															
					20					25					30

Programming your facsimile telephone number

HELPFUL HINTS
- Your facsimile telephone number can be programmed into your unit.
- When you transmit a document, your programmed telephone number will be printed on the top of all pages transmitted from your unit.
- The unit can hold your phone number up to 20 digits long.

1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
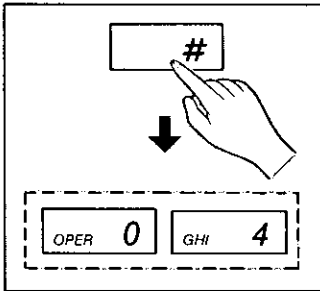
Press "#", then press "04" for your telephone number setting.

3
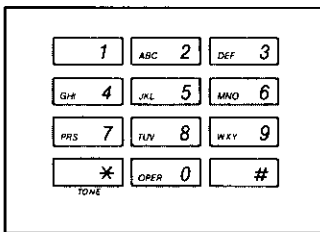
Enter your telephone number by using the dial keypad.
Example: If the phone number is "123-4567", press "123", "#" and "4567".
The "#" provides a space.

To print out your phone number for confirmation while programming, press the START/COPY button.
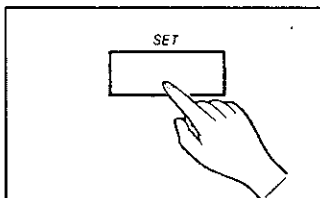
4

When you have finished, press the SET button to store the program into memory.
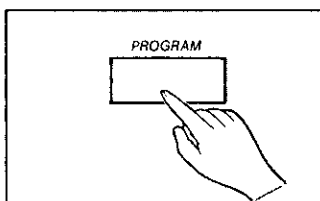
5

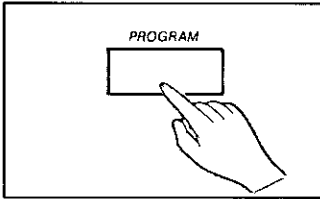Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINT
- To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.

● Programming phone numbers for automatic dialing

The unit's memory allows you to use both one touch dialing (up to 10 phone numbers) and speed dialing (up to 20 phone numbers) for rapid access to your most frequently called numbers.

Programming phone numbers for one touch dialing

This unit is equipped with 10 direct call stations including SECRET and HYPHEN keys, each of which can store a telephone number for one touch dialing. Each phone number can be programmed up to 30 digits long.
Make sure first whether the DIALING MODE selector is set to TONE or PULSE mode.

1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
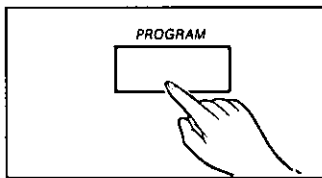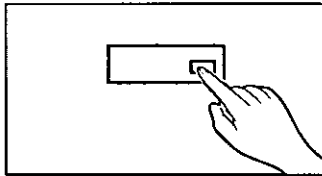
Press one of the direct call station keys where you want to store the phone number.

3
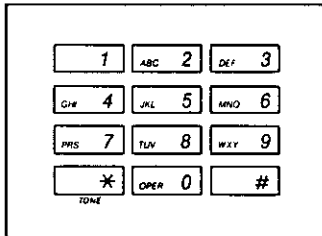
Enter the phone number by using the dial keypad.

If you want to insert a hyphen in the number, press the HYPHEN key while programming.
HYPHEN is counted as 2 digits.

4

Press the SET button to store the program into memory.

To program other phone numbers, repeat steps 2 to 4.

5

After programming all the numbers, press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINTS
● To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.
● You can print a list of the stored phone numbers. See page 5-3.

3-7

Programming phone numbers for speed dialing

This unit is equipped with 20 stations ("00" through "19"), each of which can store a telephone number for speed dialing. Each phone number can be programmed up to 30 digits long.

Make sure first whether the DIALING MODE selector is set to TONE or PULSE mode.

1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
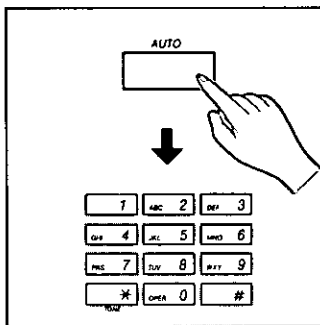
Press the AUTO button, then enter the station number at 2 digits ("00" through "19") by using the dial keypad.
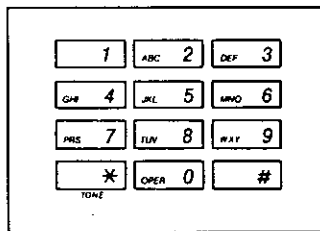
3

Enter the phone number by using the dial keypad.

If you want to insert a hyphen in the number, press the HYPHEN key while programming. HYPHEN is counted as 2 digits.

4

Press the SET button to store the program into memory.

To program other phone numbers, repeat steps 2 to 4.

5

After programming all the numbers, press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINTS
- To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.
- You can print a list of the stored phone numbers. See page 5-3.

3–8
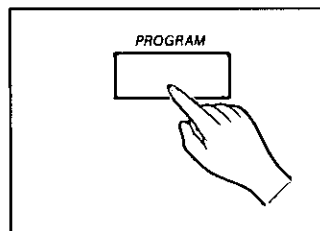
Programming secret phone numbers

This function is useful for keeping the whole or a portion of a telephone number secret. When you print out a list of the stored numbers, this number will not be printed.
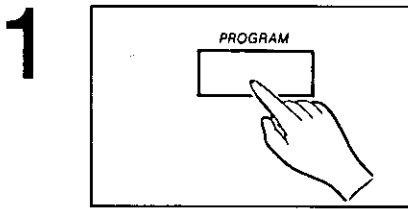
1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
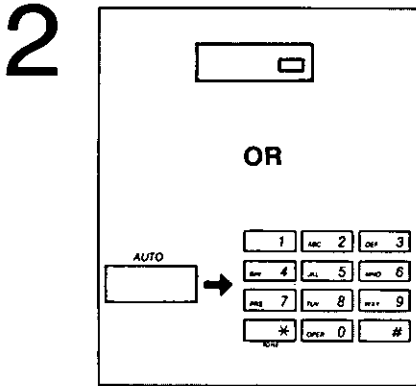
Press one of the direct call station keys.

– OR –

Press the AUTO button, then enter the station number ("00" through "19") by using the dial keypad.

3
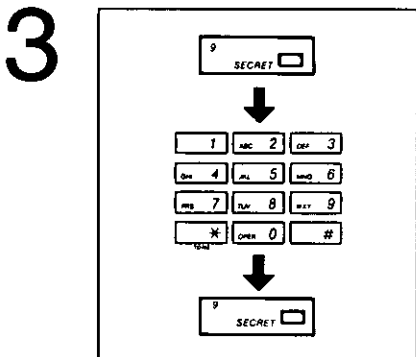
Press the SECRET key and enter the phone number, then press the SECRET key again.

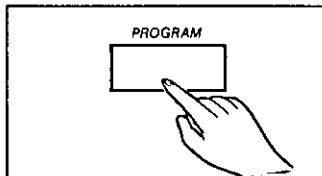Pressing the SECRET key once counts as 2 digits.

4
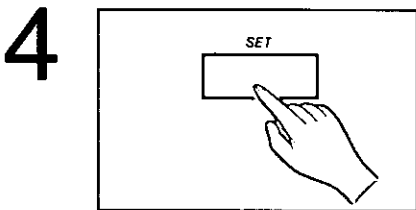
Press the SET button to store the program into memory.

To program other phone numbers into memory, repeat steps 2 to 4.
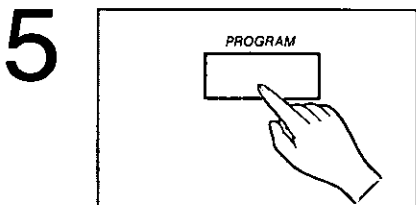
5

After programming all the numbers, press the PROGRAM button to end the operation.

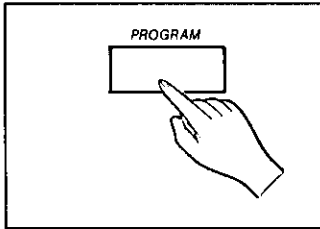The PROGRAM indicator goes out.

HELPFUL HINT
● To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.

Erasing a phone number

If you wish to erase a phone number programmed into memory, follow the steps below.
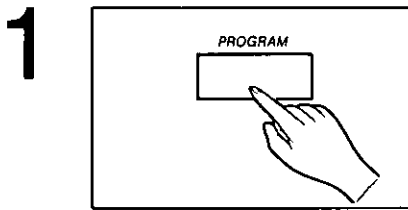
1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
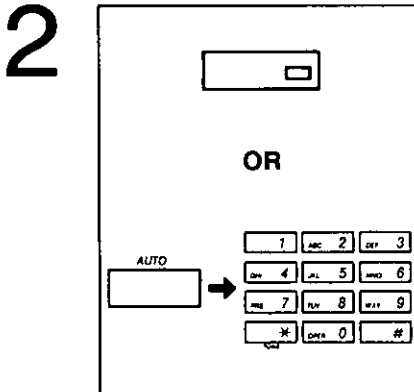
Press the desired direct call station key.

– OR –

Press the AUTO button, then enter the desired station number by using the dial keypad.

3
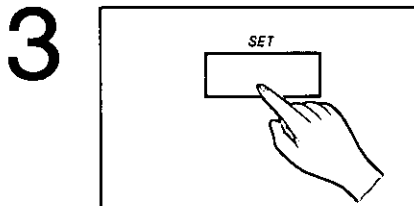
Press the SET button.

The number will now be erased.
If you wish to erase more than one number, repeat from step 2.

4
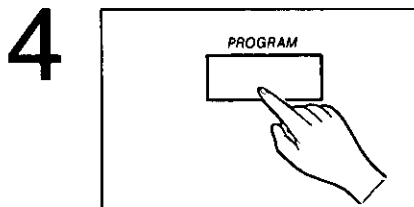
Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

Listing the directory card

1. Open the cover.
2. Remove the directory card.
3. Write the names (or telephone numbers) that you want to store into memory.
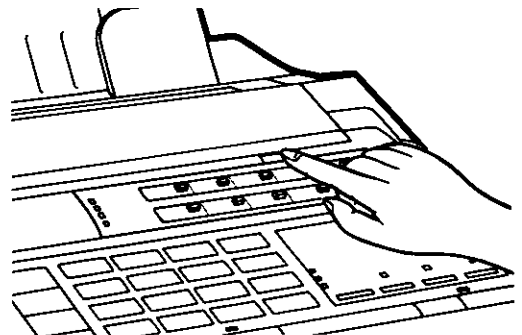
●Making voice calls using the automatic dialing

HELPFUL HINTS
●The unit's memory allows you to use both one touch dialing (up to 10 phone numbers) and speed dialing (up to 20 phone numbers) for rapid access to your most frequently called numbers.
●Before using these features, make sure that the desired telephone numbers have been stored in memory. See pages 3-7 through 3-10.
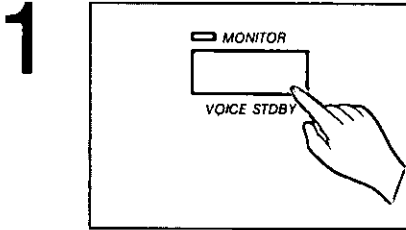
1

Press the MONITOR button or lift the handset.

2
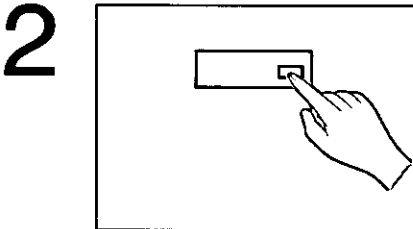
Using one touch dialing:
Press the desired direct call station key.

– OR –
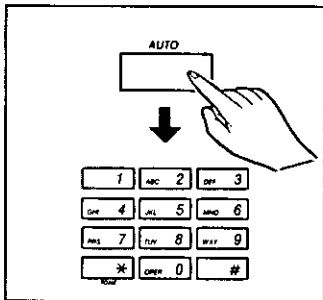
Using speed dialing:
Press the AUTO button, then press the desired station number ("00" through "19") by using the dial keypad.

•Operating as an answering device

The unit also works as an automatic telephone answering and recording system in the TAD/FAX mode.
The following functions are available as an answering device.

④ Calls Indicator

⑤ REW ▶▶

⑥ ◀◀ FF

⑦ MEMO/2WAY

① OGM [PLAY]

② OGM [REC]

③ ICM ERASE

⑧ PLAYBACK/PAUSE
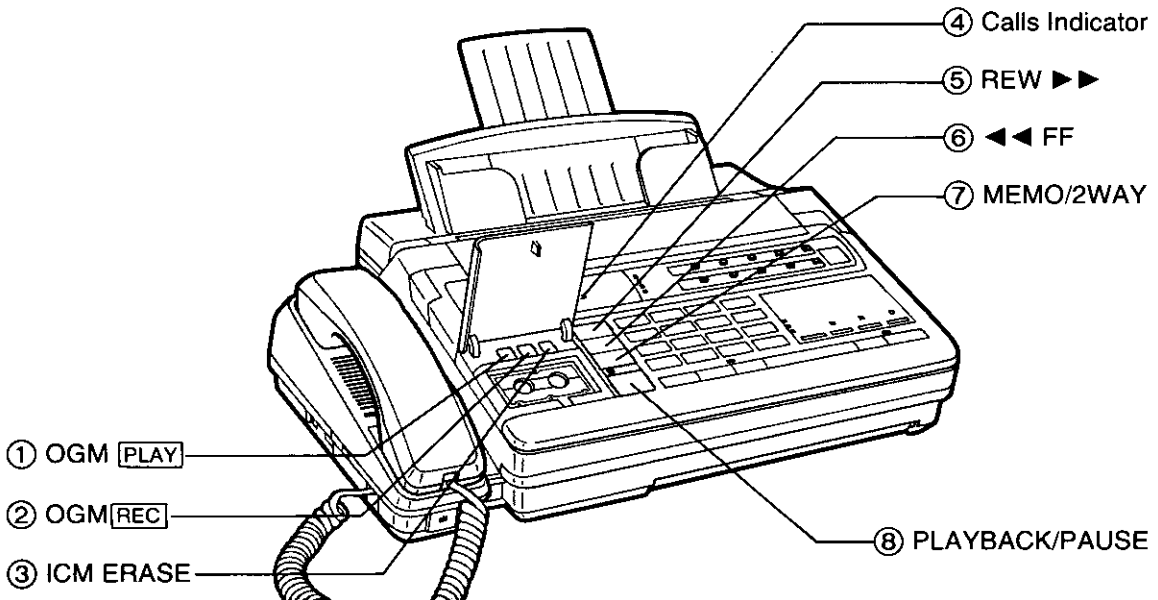
①**Verifying your OGM:**
See page 2-5.

②**Recording your OGM:**
See page 2-5.

③**Erasing recorded voice-messages:**
After reviewing your messages, press the ICM ERASE button.
The messages are erased while the tape is rewound.
The tape can be erased at high speed even if the record-prevention (knock-out) tabs have been removed.

④**Calls indicator:**
The indicator flashes to show the number of incoming messages recorded up to 15 times. Even if 16 or more calls are recorded, the indicator will flash up to 15 times.

⑤**Rewinding (Resetting) the tape quickly:**
Press the REW (Rewind) button.

⑥**Forwarding the tape quickly:**
Press the FF (Fast Forward) button.

⑦**Recording a memo message:**
See page 3-14.
Recording a 2-way conversation:
See page 3-14.

⑧**Playing back recorded voice-messages:**
Press the PLAYBACK/PAUSE button.

One-touch operation:
The unit plays all the recorded messages when the PLAYBACK/PAUSE button is pressed. At the end of the last message the tape stops, and 3 beeps are heard. After 7 seconds, the unit resets itself to the TAD/FAX mode. All calls are saved automatically.

Stopping the tape (pause mode):
Press the PLAYBACK/PAUSE button during playback mode.
The tape pauses until you restart it by pressing the PLAYBACK/PAUSE button. The unit does not answer calls automatically while in the pause mode.

Recording after the message you want to save

New incoming messages will automatically be stored after the last message. If you want a new incoming message to be stored after the messages you want to save, perform the following steps.

1
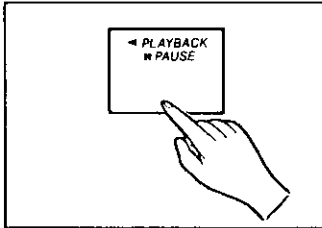
Press the PLAYBACK/PAUSE button to play back the tape to the end of the messages you want to save.

2
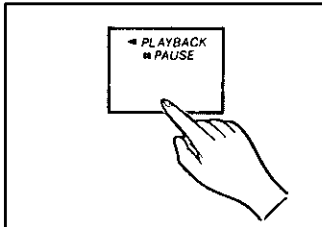
Press the PIAYBACK/PAUSE button again to stop the tape.

The IN USE indicator flashes.

3
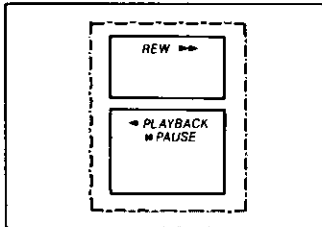
Press the REW and PLAYBACK/PAUSE buttons together.

New calls will be recorded after the messages you have saved.

HELPFUL HINT
- You can choose between two types of recording time of incoming messages. When the unit is in the "VOX" position, the recording time is unlimited, and when in the "1 MIN" position, the recording time is limited to 1 minute. The unit is preprogrammed to the "VOX" position. To change the recording time, see page 5-6.

Monitoring incoming calls

While an incoming message is being recorded, you can monitor it through the built-in speaker. Adjust the sound level using the VOLUME control. You can talk to the caller directly by simply lifting the handset. The unit stops recording automatically.

Recording a memo message

If you are going out and you want to leave a private message for someone, you can record a voice memo in the unit. This can then be played back either directly or remotely, exactly like any other incoming messages.

1 Press the MEMO/2WAY button until a beep is heard.
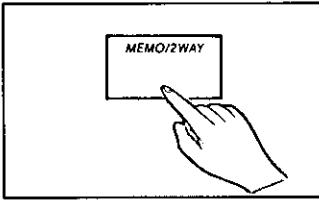
The IN USE indicator lights.
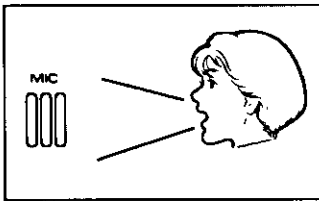
2 Speak toward the microphone from approximately 20 cm (8 inches) away.
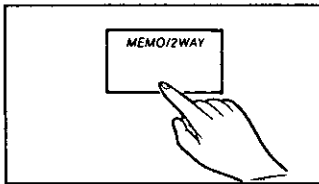
3 When the recording is finished, press the MEMO/2WAY button again.

The IN USE indicator goes out.

Recording a 2-way conversation

While speaking with someone on the telephone, you can record your conversation. Many states have imposed regulations on the manner in which 2-way telephone conversations may be recorded. Consult your local telephone company for further information.
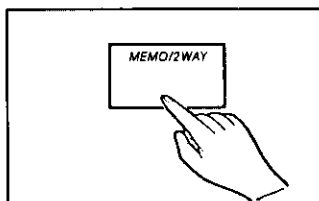
1 During your conversation, press the MEMO/2WAY button until a beep is heard.

The IN USE indicator lights.

2 Continue your conversation.

A beep sounds every 15 seconds to notify the caller that the conversation is being recorded.
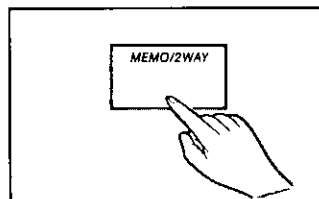
3 To stop recording, press the MEMO/2WAY button again.

The IN USE indicator goes out.

●One touch transmission

You can dial and transmit documents automatically using direct call station keys.
Before using this feature, make sure that the desired telephone numbers have been
stored in direct call stations.
For programming of phone numbers, see page 3-7.

1
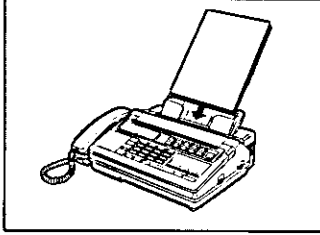
Insert the documents FACE DOWN.

The unit can accept up to 10 sheets of paper
at a time.

2
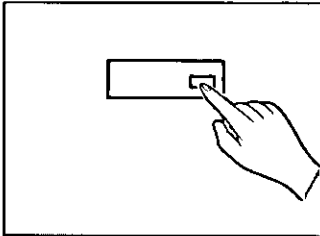
Press the desired direct call station key.

The unit dials and transmits the documents
automatically.

Automatic redialing:
If there is no answer or the line is busy, the
unit will automatically redial the number up to
6 times within 10 minutes.

To cancel automatic redialing, press the
FLASH button or the STOP/CLEAR button.

●Voice contact

Initiating voice contact

While you are transmitting or receiving a document, you may wish to speak to the other party. If the other party's unit is equipped with a voice contact feature, you can initiate voice contact and notify the other party that you wish to speak after the transmission/reception is completed.

This saves the extra expense and time of making a subsequent telephone call to discuss information sent over the fax.

1
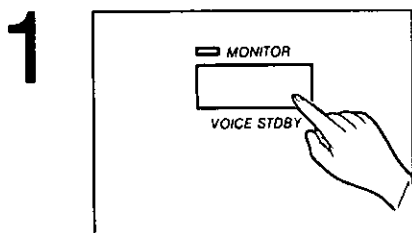
Press the MONITOR button or lift the handset while transmitting or receiving the documents.

2
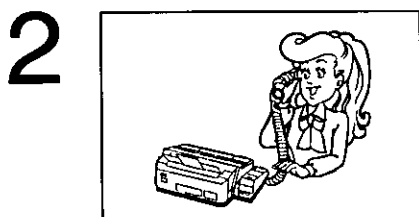
When the other party answers, start speaking using the handset.

If you initiate voice contact while transmitting documents, you can speak after all the documents have been transmitted.

If you initiate voice contact while receiving documents, you can speak after receiving the current page of the documents.

Receiving a request for voice contact

If the other party initiates voice contact during transmission or reception, your unit will beep after the fax is completed.
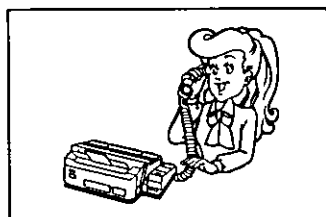
When the beep sounds, lift the handset and start speaking.

HELPFUL HINT
●If you do not answer within 10 seconds after hearing several beeps indicating the request or voice contact, one of the followings occurs:
—When you have set the unit to the TAD/FAX mode, the unit plays back your OGM and records the voice-message on the tape.
—When you have set the unit to the FAX mode, the line is disconnected.
—When you have set the unit to the TEL mode, the line is disconnected.

CHAPTER 4

Advanced Features

Telephone

Answering device

Facsimile

•Advanced features

TONE button (Temporary tone dialing)

HELPFUL HINT

•This function is useful only if your line has rotary pulse dial service. Pressing the TONE (∗) button will allow you to change from pulse to tone mode during a dialing operation, and enter special tones and codes to operate your answering device, electronic banking services and other special services.
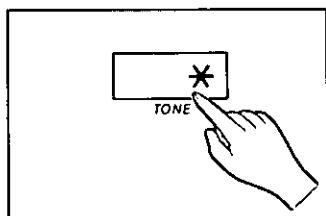
Press the TONE (∗) button.

When you hang up, the unit automatically returns to pulse mode.

"TONE" can be stored in memory in the same way as explained on pages 3-7 to 3-10. Pressing the TONE button counts as 1 digit while programming.

FLASH button

The FLASH button is used to access special telephone services.
For further details, please see a brochure issued by your telephone company.

Using the FLASH button:
1. If you are having a conversation and another party calls, you hear a tone.

2. Press the FLASH button.
   The first conversation is placed on hold and you can answer the second call.

3. To speak to the first caller again, press the FLASH button again. The second caller is placed on hold.

"FLASH" can be stored in memory in the same way as explained on pages 3-7 to 3-10. Pressing the FLASH button counts as 1 digit while programming.

PAUSE button

The PAUSE button is used in a dial sequence to access an outside line.
Pressing the PAUSE button makes a dialing delay.

Using the PAUSE button:
Example: Line access number 9

Press "9 (Line access number)", "PAUSE" then dial the phone number.

"PAUSE" can be stored in memory in the same way as explained on pages 3-7 to
3-10. Pressing the PAUSE button counts as 1 digit while programming.

Combination dialing

The following combination of dialing methods can be used.

•Manual dialing and automatic dialing
•Pulse and tone dialing
•Plural memory stations

●Operating as an answering device from a remote phone

You can retrieve the incoming messages and re-record your outgoing message from a remote location with a touch tone telephone. The following features are available on this unit.

- ●Message playback
- ●Newly recorded message playback (Memory Playback)
- ●Back space and skip forward
- ●Recording a marker message
- ●Resetting the tape for future messages
- ●Room monitor
- ●Re-recording the OGM (outgoing message)
- ●Skipping the OGM for ICM (incoming message) recording

These operations are available only in TAD/FAX mode. If your unit is in the TEL mode, call your unit and wait for 15 rings. The unit will switch to the TAD/FAX mode.

Toll saver

When you call the unit from a remote location, the number of rings tells you if there are any new voice-messages.
If the unit answers on the 1st ring, there is at least one new message recorded.
If the unit answers on the 3rd ring, there are no new messages recorded.
Hang up immediately when you hear the 2nd ring. The 2nd ring indicates that there are no new messages. This will save you the toll charge for the call.

The toll saver works only when TAD RING COUNT is set to the Toll Saver position. See page 5-7.

Summary of remote control functions

1 | Call your unit. → $\boxed{0}^{\text{OPER}}$ Skip OGM (see page 4-9)

2 | Enter **your REMOTE TAD ID** during the OGM.

Use the following functions as needed.

3 | The unit will play back all recorded messages.

$\boxed{1}$ Back Space (see page 4-7)

$\boxed{2}^{\text{ABC}}$ Skip Forward (see page 4-7)

$\boxed{3}^{\text{DEF}}$ Resetting Tape (see page 4-8)

$\boxed{4}^{\text{GHI}}$ Memory Playback (see page 4-6)

$\boxed{5}^{\text{JKL}}$ Room Monitor (see page 4-8)

$\boxed{7}^{\text{PRS}}$ OGM Re-recording (see page 4-9)

$\boxed{9}^{\text{WXY}}$ Stop OGM Recording (see page 4-9)

Programming a REMOTE TAD ID number for remote operation

The REMOTE TAD ID number prevents unauthorized persons from accessing your unit and listening to your messages. The REMOTE TAD ID is preset to 111. If you wish to change the number, you can choose any number from "1" to "999" except numbers including "0" or "7".

1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
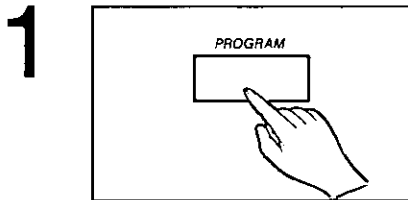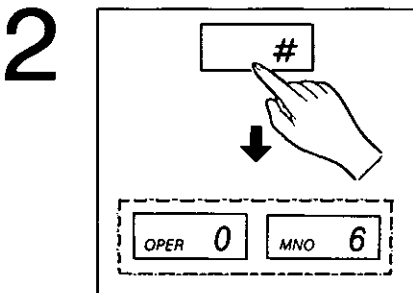
Press "#", then press "06" for the REMOTE TAD ID setting.

3
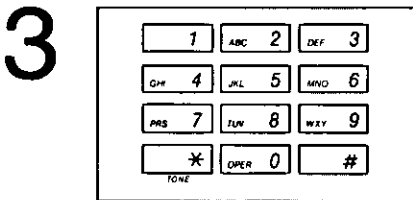
Enter the desired REMOTE TAD ID by using the dial keypad.
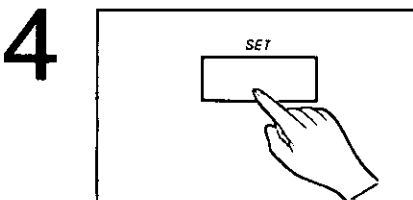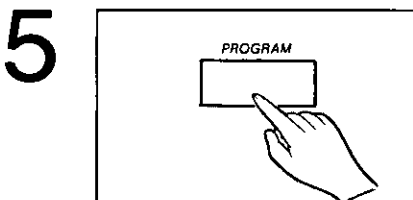
4

Press the SET button to store the program into memory.

5

Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINTS
- You should not use codes which contain zero (0) since this causes the unit to skip the OGM. (For example, 200, 502, 70, etc.)
- We recommend that you do not use seven (7) as a code number, since this number is used as the OGM rerecording command for remote operations. Otherwise the answering features may not operate properly.

Message playback

You can listen to the recorded messages from a remote location.
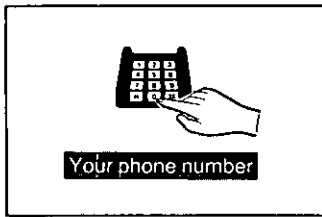
1 Call your unit.
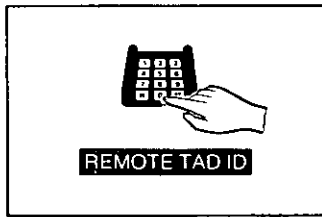
2 Dial your REMOTE TAD ID while the OGM is playing.

A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of recorded message(s) up to 8 times. Even if 9 or more calls are recorded a short beep sounds up to 8 times.
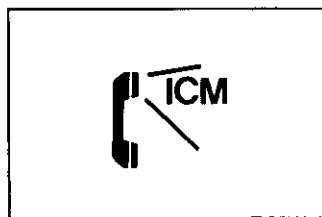
3 The unit rewinds the tape and plays back the message(s) recorded.

3 beeps will be heard indicating the end of the messages. After hanging up, all the recorded messages are saved and the unit is ready to record further messages.

Newly recorded messages playback (Memory Playback)

It is possible to skip over the recorded messages you have already heard and to play back only new messages.
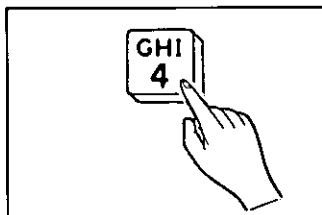
Press "4" immediately after hearing the beeps that indicate the number of recorded messages.

The unit plays back the new messages.

Even during the playback of previously heard messages, you can skip to the new messages by pressing "4".

Back space and skip forward

While listening to the recorded messages, you can rewind or forward the tape.
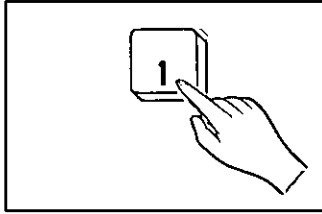
To rewind, press "1".
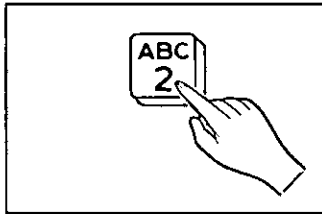
To fast forward, press "2".

HELPFUL HINT
* The maximum length of message to be rewound or forwarded by one press is approximately 15 seconds. So you may have to press "1" or "2" several times to rewind or forward the tape to the desired position.

Recording a marker message

After playing back the recorded messages, you can record your new message on the same call.
When the replay is finished, wait for 3 beeps indicating the end of the last message. Then wait about 10 seconds for another 2 beeps indicating that the tape is ready for recording.

```
     3-beeps            2-beeps
   ┌──────────────┬──────────────────────────────┐
   │ Last message │ Marker message (date, time, etc.) │
   └──────────────┴──────────────────────────────┘
                  └── 10-sec. pause
```
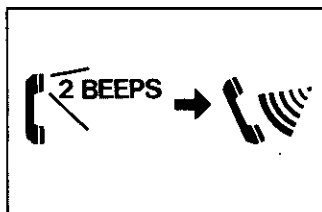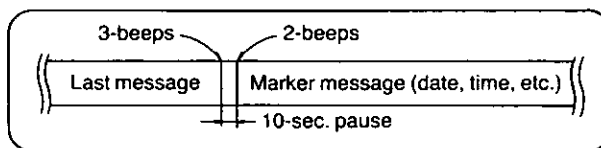
Leave your message after the last 2 beeps.

2 BEEPS

Hang up when finished. The marker message is recorded after the last message on the tape.

Resetting the tape for future messages

After listening to the recorded messages, you can reset the tape and record future messages from the beginning of the tape.

After all the messages have been played back or even while they are being played;
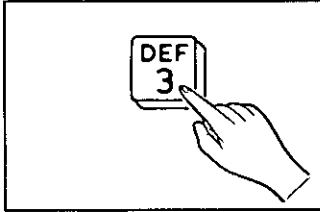
Press "3", then hang up.

The unit rewinds the tape to the beginning. Future messages will be recorded and the previously recorded messages are lost.

If you have used the memory playback;

1
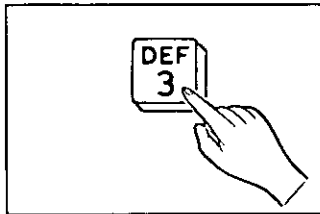
Press "3".

The unit rewinds the tape to the beginning of the newly recorded messages, then beeps.

2
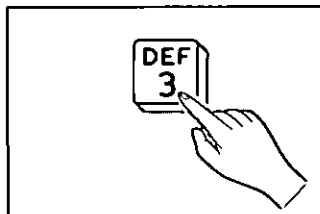
Press "3" again after hearing the beep.

The unit rewinds the tape to the beginning of the previously recorded messages.

HELPFUL HINT
● If you have reset the tape by mistake, press "2" after the tape has been reset. One beep sounds, and the unit advances the tape to the end of the recorded messages.

Room monitor

You can monitor the sound in the room where the unit is installed for about 30 seconds.
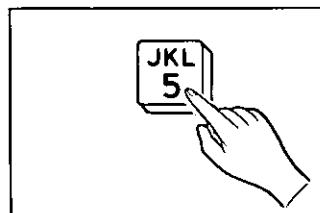
Press "5" to monitor the room sounds after hearing the beeps that indicate the number of recorded messages.

You can hear the room sounds for 30 seconds after one beep. If you wish to continue monitoring, press "5" again within 10 seconds after hearing one beep.

Re-recording an outgoing message

You can change the content of your OGM from a remote telephone.

1
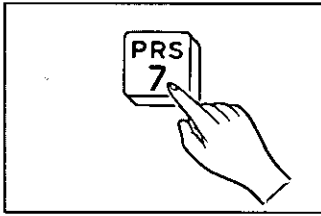
Press "7" to start re-recording after hearing the beeps that indicate the number of recorded messages.

2
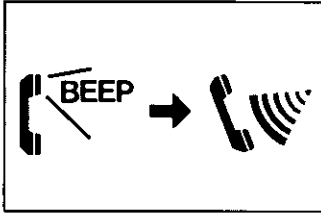
After hearing a long beep, speak clearly and loudly for up to 16 seconds.

3
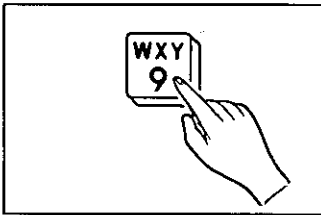
When you finish, press "9".

The new OGM is played back to confirm the change.

HELPFUL HINT
- If you pause for over 2 seconds while recording, the unit beeps and stops the OGM recording. In such a case, repeat from step 1 within 10 seconds.

Skipping the OGM for ICM recording

You can leave a message on your unit and without listening to your OGM.

1
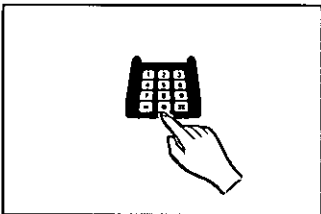
Call your unit.

You need not enter your REMOTE TAD ID.

2
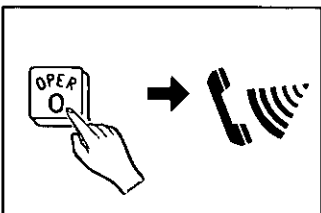
Press "0" while the OGM is playing.

After hearing a long beep, speak clearly and loudly to leave your message.

Polling

HELPFUL HINTS
- Polling means that a facsimile machine "retrieves" a document loaded on the other machine (we call it "polled machine") so that the telephone fee is charged to the receiving unit, not the transmitting one.
- This unit can only receive polled documents; it cannot be "polled".
- To activate the polling, the other machine must be prepared for your call.

Setting the polling password

HELPFUL HINTS
- If the document to be retrieved is of a confidential nature and the password is set on the other machine to prevent unauthorized retrieving, you must set the same password on your unit.
- The polling using a password is effective only between Quasar compatible facsimile machines (e.g. PAX400H, PAX600H, etc.).

1

PROGRAM

Press the PROGRAM button.

The PROGRAM indicator lights.

2

#

1   MNO   6
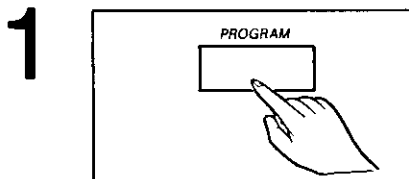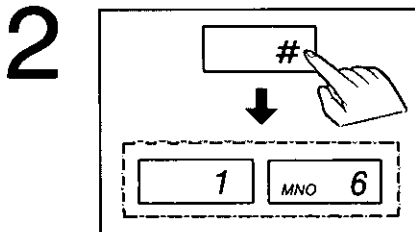
Press "#", then press "16" for the polling password setting.

3

1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PRS 7	TUV 8	WXY 9
* TONE	OPER 0	#
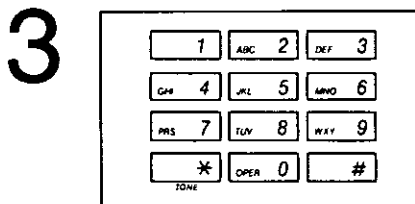
Enter the same polling password of 4 digits by using the dial keypad.

The polling password is set "0000" as the default. Set the same password as the polled machine.
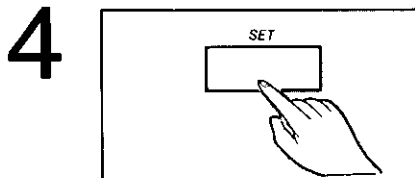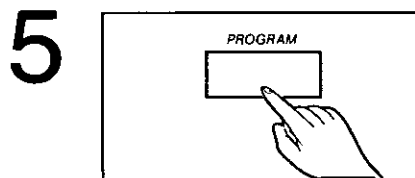
4

SET

Press the SET button to store the program into memory.

5

PROGRAM

Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINT
- To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.

Polling another facsimile

The following procedure lets you poll another station.
Make sure that documents are loaded on the polled machine.

1
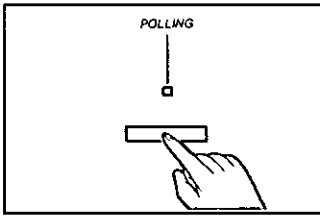
POLLING

Press the POLLING button.

The POLLING indicator lights.

2

Using one touch dialing:
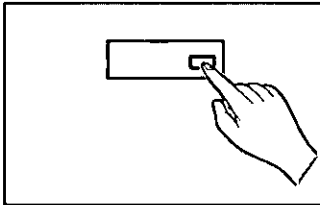
Press the desired direct call station key.

The unit will dial and start receiving documents automatically.
When reception ends, the POLLING indicator goes out.

Using speed dialing or manual dialing:

MONITOR

VOICE STDBY
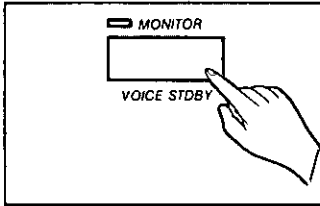
Press the MONITOR button.
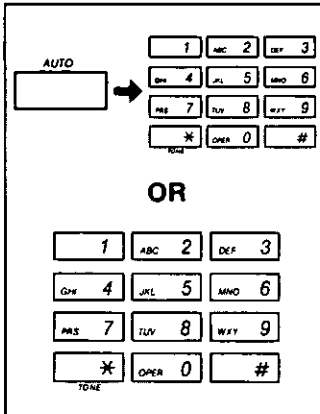
AUTO

Press the AUTO button and the desired station number ("00" through "19") for speed dialing.

OR

– OR –

Dial the phone number for manual dialing.
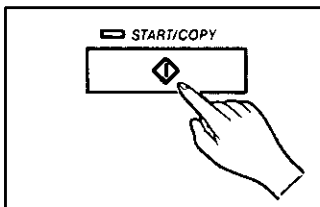
START/COPY

Press the START/COPY button.

The unit will dial and start receiving documents automatically.
When reception ends, the POLLING indicator goes out.

HELPFUL HINTS
- If the polled station is busy or there is no answer when you use one touch dialing, the unit automatically redials up to 6 times within a 10-minute period.
- This unit cannot be polled.

●Setting MAIN PASSWORD

The password communication means that only the machines which have the same password can transmit/receive confidential documents.
If the main password of 4 digits is set on your unit, you can participate in the password communication among Quasar compatible facsimile machines. (e.g. PAX400H, PAX600H, etc.)

The password for the polling function is not related to this password communication. They are independent functions.

1

Press the PROGRAM button.

The PROGRAM indicator lights.

2
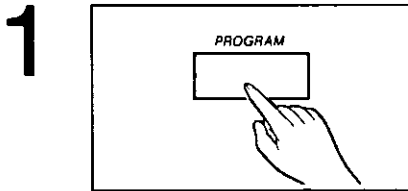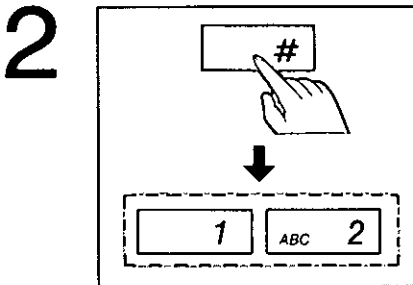
Press "#", then press "12" for the main password setting.

3
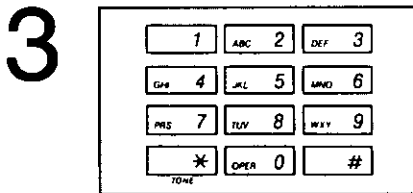
Enter the same main password of 4 digits by using the dial keypad.

The main password is set to "0000" as the default. Set the same password as other stations.
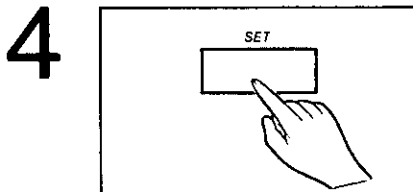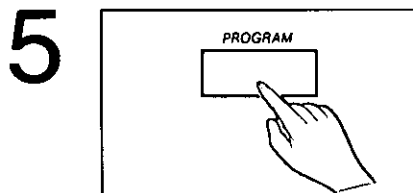
4

Press the SET button to store the program into memory.

5

Press the PROGRAM button to end the operation.

The PROGRAM indicator goes out.

HELPFUL HINT
●To correct an error while programming, press the STOP/CLEAR button then repeat from step 2.

CHAPTER 5

General Information

●Printing reports and lists

Individual transmission report (TX REPORT)

One of the following choices are available:

ON mode: The report is always printed to let you know if the transmission is successful or not.

ERROR mode: The report is printed only when a transmission error occurs.

OFF mode: The report is not printed whether the transmission is successful or not. (Default)

```
<<   TX  REPORT  >>
         OTHER FACSIMILE =  SMITH
         PAGES =   00        RESULT = NG( 03 )
```

Transmission error codes

Code	Description
OK	Successful transmission
NG (02)	The STOP/CLEAR button was pressed to interrupt the operation.
NG (03)	Document jammed or not fed into the unit properly. Check the paper path and try again.
NG (04)	Transmission error. Try again.

Setting PRINT TX REPORT mode

1 Press the PROGRAM button.
  The PROGRAM indicator lights.

2 Press "#", then press "11" for the transmission report mode setting.

3 Press "1", "2" or "3".
  (1=ON, 2=ERROR, 3=OFF)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
  The PROGRAM indicator goes out.

List of stored phone numbers (TELEPHONE NUMBER LIST)

You can print a list of the numbers programmed for one touch dialing and speed dialing.
Use this function to confirm that you have correctly stored phone numbers.

```
*******************************  TELEPHONE NUMBER LIST  *******************************
*                                                                                    *
*                          << STATION KEY LIST >>                                    *
*         PHONE NUMBER                                 PHONE NUMBER                   *
*----------------------------------------------------------------------------------- *
* 01 T123-4567                            06 T012-2345-6789                           *
* 02 R345-6789                            07 R123-[         ]                         *
* 03 T[         ]                         08                                          *
* 04 R[                   ]               09          SECRET NUMBER                   *
* 05                                      10                                          *
*                                                                                    *
*                                                                                    *
*                          << AUTO KEY LIST >>                                       *
*         PHONE NUMBER                                 PHONE NUMBER                   *
*----------------------------------------------------------------------------------- *
* 00 T233-5555                            10 R111-222-3333                            *
* 01 T456-P753-7568                       11 R123-F465-7890                           *
* 02 T[                   ]               12 R[                   ]                    *
* 03                                      13                                          *
* 04                                      14                                          *
* 05                                      15                                          *
* 06                                      16                                          *
* 07 T456-[         ]                     17                                          *
* 08                                      18                                          *
* 09                                      19                                          *
*                                                                                    *
*************************************************************************************
```

Codes in each phone number

T: Shows that you have entered the telephone number in the TONE dialing mode.

R: Shows that you have entered the telephone number in the PULSE (rotary) dialing mode.

P: Shows that you have entered PAUSE.

F: Shows that you have entered FLASH.

Printing the TELEPHONE NUMBER LIST

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "41" for the PRINT TEL LIST setting.

3 Press the START/COPY button.
   The unit begins printing the list.

4 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

●System programming functions

FAX LOGO HEADING

The FAX LOGO HEADING setting

ON: Your logo and telephone number are printed on the transmitted document. (Default)
OFF: Your logo and telephone number are not printed.

Operation:

1 Press the PROGRAM button.
The PROGRAM indicator lights.

2 Press "#", then press "05" for the FAX LOGO HEADING setting.

3 Press "1" or "2".
(1=ON, 2=OFF)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
The PROGRAM indicator goes out.

FAX TX SPEED

The FAX TRANSMISSION SPEED setting

The unit can automatically select the optimum transmitting speed depending on the line condition and the type of the other facsimile unit.

9600 BPS: Maximum speed of 9600 bits per second. (Default)
4800 BPS: Maximum speed of 4800 bits per second. If you frequently experience problems such as transmission errors caused by poor line condition, set to "4800 BPS".

Operation:

1 Press the PROGRAM button.
The PROGRAM indicator lights.

2 Press "#", then press "17" for the FAX TX SPEED setting.

3 Press "1" or "2".
(1=9600 BPS, 2=4800 BPS)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
The PROGRAM indicator goes out.

FAX RX SPEED

The FAX RECEPTION SPEED setting

The unit can automatically select the optimum receiving speed depending on the line condition and the type of the other facsimile unit.

9600 BPS: Maximum speed of 9600 bits per second. (Default)
4800 BPS: Maximum speed of 4800 bits per second. If you frequently experience problems such as reception errors caused by poor line condition, set to "4800 BPS".

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "18" for the FAX RX SPEED setting.

3 Press "1" or "2".
   (1=9600 BPS, 2=4800 BPS)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

TONE DETECT

The TONE DETECT setting

The unit automatically disconnects the line when it detects a busy tone after dialing in on-hook dialing mode.

OFF: The unit does not detect a busy tone.(Default)
ON: The unit detects a busy tone.

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "20" for the TONE DETECT setting.

3 Press "1" or "2".
   (1=ON, 2=OFF)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

RECORDING TIME

The RECORDING TIME setting

The recording time for incoming messages
can be set to VOX (unlimited) or 1 MIN.

VOX: The unit records an ICM as long as a
caller speaks. (Default)
1 MIN: The unit records an ICM up to
1 minute per message.

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "30" for the
   RECORDING TIME setting.

3 Press "1" or "2".
   (1=VOX, 2=1 MIN)

4 Press the SET button to store your
   selection in memory.

5 Press the PROGRAM button to end the
   operation.
   The PROGRAM indicator goes out.

CPC MODE

The CPC (Calling Party Control) mode setting

Select the CPC mode "A" or "B" depending
on your line condition.

A: Set to this mode if your line does not have
   special telephone services.(Default)
B: Set to this mode if your line has special
   telephone services such as call waiting
   and call forwarding. If some incoming
   messages are cut off in mode "A", set the
   mode to "B".

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "31" for the CPC
   MODE setting.

3 Press "1" or "2".
   (1=A, 2=B)

4 Press the SET button to store your
   selection in memory.

5 Press the PROGRAM button to end the
   operation.
   The PROGRAM indicator goes out.

TAD RING COUNT

The TAD RING COUNT setting
This function is available only in the TAD/FAX mode when receiving a call.

If you find there is difficulty in receiving from machines that have an automatic transmission feature, set the TAD RING COUNT number to "1" (once).

0: Toll Saver*
1: The unit answers on the 1st ring. (Default)
2: The unit answers on the 2nd ring.
3: The unit answers on the 3rd ring.
4: The unit answers on the 4th ring.

Operation:
1 Press the PROGRAM button.
  The PROGRAM indicator lights.

2 Press "#", then press "32" for the TAD RING COUNT setting.

3 Press "0", "1", "2", "3" or "4".
  (0=Toll Saver, 1=once, 2=twice, 3=three times, 4=four times)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
  The PROGRAM indicator goes out.

*Toll Saver function:
When you set the mode to "0", the number of rings tells you if there are any new voice-messages recorded.
If the unit answers on the 1st ring, there is at least one new message.
If the unit answers on the 3rd ring, there are no new messages.
Hang up immediately when you hear the 2nd ring. The 2nd ring indicates there are no new messages. This will save you toll charge for the call.

FAX RING COUNT

The FAX RING COUNT setting
This function is available only in the FAX mode when receiving a document.

If you find there is difficulty in receiving from machines that have an automatic transmission feature, set the FAX RING COUNT number to "1"(once).

1: The unit answers on the 1st ring. (Default)
2: The unit answers on the 2nd ring.
3: The unit answers on the 3rd ring.
4: The unit answers on the 4th ring.

Operation:
1 Press the PROGRAM button.
  The PROGRAM indicator lights.

2 Press "#", then press "33" for the FAX RING COUNT setting.

3 Press "1", "2", "3" or "4".
  (1=once, 2=twice, 3=three times, 4=four times)

4 Press the SET button to store your selection in memory.

5 Press the PROGRAM button to end the operation.
  The PROGRAM indicator goes out.

PRINTER TEST

If you have any trouble with the print quality of your unit, check it using this feature.

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "42".

3 Press the START/COPY button.
   The unit prints the pattern as shown in Figure 1.

   If the print pattern has any blurred points or lines or a dirty pattern, consult with your service center.

4 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

Figure 1
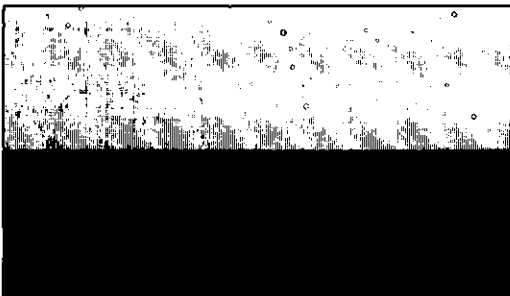
PRINT CHARACTER CODE

You can print the character code list for fax logo setting.

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "43".

3 Press the START/COPY button.
   The unit starts printing.

4 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

RESET USER PROGRAMMABLE FUNCTIONS

This operation enables you to return the user programmable functions of 05 through 33 to their initial default settings.

The function number 02 (YOUR LOGO setting) and 04 (YOUR TELEPHONE NUMBER setting) will not be erased.

Operation:

1 Press the PROGRAM button.
   The PROGRAM indicator lights.

2 Press "#", then press "50".

3 Press the START/COPY button.
   The following message is printed.

```
USER PROGRAMMABLE FUNCTIONS RESET OK?    YES:  PRESS "START/COPY"
                                         NO :  PRESS "STOP/CLEAR"
```

4 Press the START/COPY button to return to initial settings.
   The following message will be printed.

```
USER PROGRAMMABLE FUNCTIONS RESET COMPLETED!
```

   – OR –
   Press the STOP/CLEAR button to cancel.

5 Press the PROGRAM button to end the operation.
   The PROGRAM indicator goes out.

●Service functions

The following service functions can be changed as the need arises. For further details, consult with your service center.

List of service functions (SERVICE DATA LIST):

```
**************************** SERVICE DATA LIST ******************************
*                                                                          *
*    01 PAUSE TIME    = 050*100ms[000...600]*100ms                         *
*    02 FLASH TIME    = 70*10ms  [00 ...99 ]*10ms                          *
*    03 DIAL SPEED    = 10pps    [1 = 10    2 = 20   ]pps                   *
*    10 VOX TIME      = 6sec     [1 = 6     2 = 4    ]sec                   *
*    20 CED FREQ.     = 2100Hz   [1 = 2100  2 = 1100 ]Hz                    *
*    21 INTL. MODE    = ON       [1 = ON    2 = OFF  ]                      *
*    22 AUTO STANDBY  = ON       [1 = ON    2 = OFF  ]                      *
*    23 RX EQL.       = 1.8Km    [1 = 0.0   2 = 1.8   3 = 3.6   4 = 7.2 ]Km *
*    24 TX EQL.       = 1.8Km    [1 = 0.0   2 = 1.8   3 = 3.6   4 = 7.2 ]Km *
*                                                                          *
*    << SPECIAL SERVICE SETTINGS >>                                        *
*       52   53   59   63   70   71   72   73   74   80   81   82          *
*        2    3    1   16    1   15  030   15    2    1    2    1          *
*                                                                          *
*       83   84   86   87   90   91   92   93   94   95   96   97          *
*      170    1    1    1   06  045    2 0075    1  100  -10    2          *
*                                                                          *
****************************************************************************
```

Printing the SERVICE DATA LIST

You can print a list of service functions.

Operation:
1 Press the PROGRAM button.
The PROGRAM indicator lights.

2 Press "#", "9", "0", "0", "0" and "✱".

3 Press the START/COPY button to start printing.

4 Press the PROGRAM button to end the operation.
The PROGRAM indicator goes out.

Programming the service functions

Operation:
1 Press the PROGRAM button.
The PROGRAM indicator lights.

2 Press the "#", "9", "0", "0", "0" and "✱".

3 Enter the desired code number.

4 Press the desired value.

5 Press the SET button to store your selection in memory.

6 Press the PROGRAM button to end the operation.
The PROGRAM indicator goes out.

●Maintenance

Be sure that the AC plug is disconnected from the outlet before performing any maintenance.
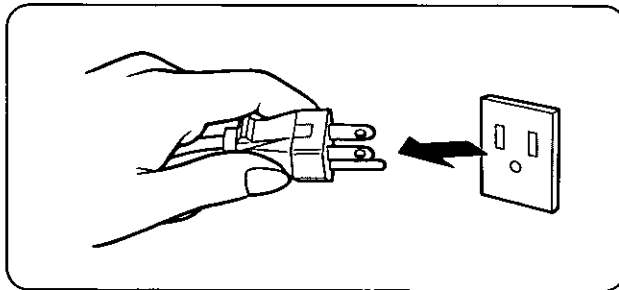
Cassette deck

Since the head and capstan assemblies are in contact with the tape, dirt and residue from the tape may easily adhere to these parts, causing distortion. Clean these parts periodically in the manner described below for the best sound quality.

Clean the head surfaces, pinch roller and capstan with a cotton swab.
If these surfaces are extremely dirty, wipe them with a cotton swab dampened with alcohol, then wipe them with a dry soft cloth.
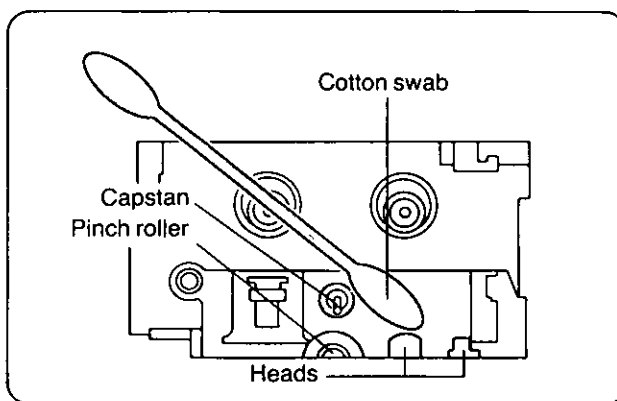
HELPFUL HINTS
●Do not bring magnetic or metal objects, such as a screwdriver, near the head assembly, as such objects could magnetize the heads.
●Do not oil any part of the unit.

Facsimile machine

If a streak or a dirty pattern appears on a copied, transmitted or received document;
1. Clean the glass with a dry soft cloth.
2. Clean the paper rollers with a damp cloth then dry thoroughly to prevent the paper from jamming.

Paper rollers

Glass

BACK LID OPEN Lever
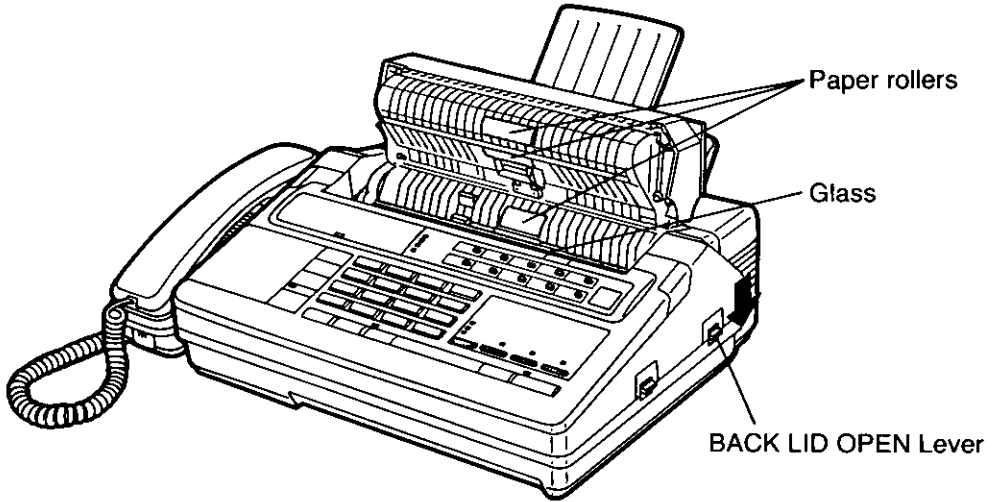
If you cannot get a clear copy after performing the above steps 1 and 2, clean the thermal head with a cloth moistened with denatured alcohol (alcohol without water), then dry thoroughly. To prevent malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head with your finger directly.

FRONT LID OPEN Lever

Thermal head
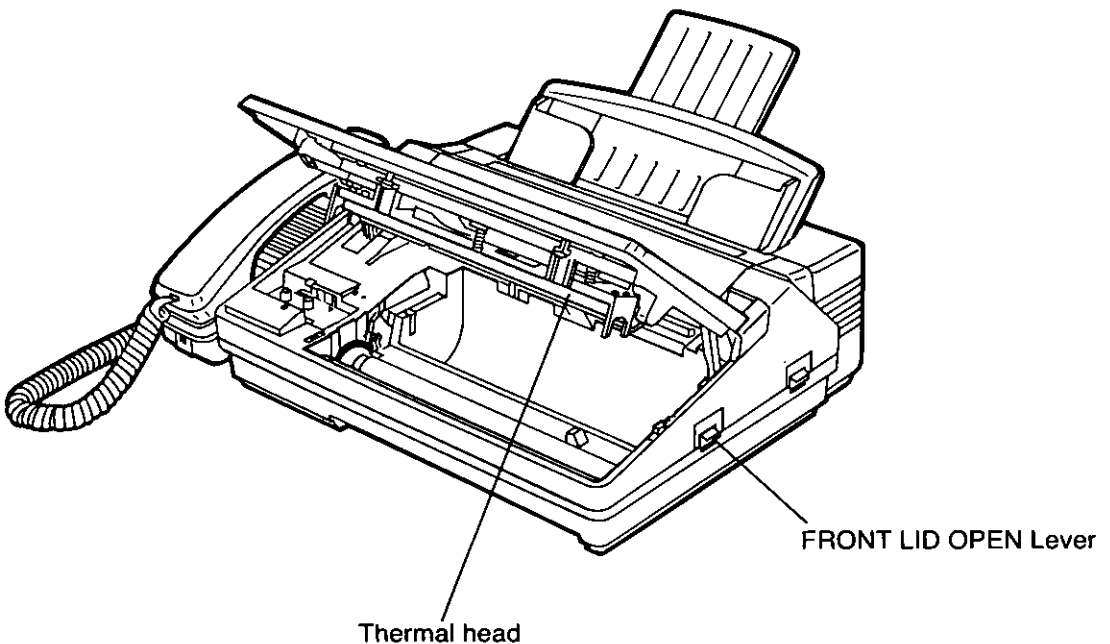
•Troubleshooting guide

Facsimile

I cannot receive documents automatically.
●Make sure recording paper is installed properly.
●Make sure the RECEIVE MODE of the unit is set to TAD/FAX or FAX mode and not to TEL mode.
●Shorten your OGM.

Recording image is faint and I cannot read it well.
●The sender transmitted a faint document. Request him/her to transmit a more clear document (e.q. copied one) again.

The other party complains that the letters on the document are distorted.
●If your line has special telephone service such as call waiting, it may have been activated by another telephone call. Connect the unit to a line that does not have such service.
●Be sure another telephone is not connected to the same line as your unit.

The START/COPY indicator flashes for about 40 seconds after the unit receives a call automatically, but nothing is recorded.
●The caller hangs up during or immediately after playing back your OGM. This may occur if the disconnect signal is not transmitted from the central office.

When I receive or copy a document that has a dark background or contains photographs, the unit produces a high pitched noise.
●This is quite normal.

The unit does not operate properly.
●Turn the POWER switch off, then turn it on again.

Problems when receiving international facsimiles.
●Shorten your OGM to 10 seconds or less.
●FAX RX SPEED may need to be set to 4800 bps. See page 5-5.

Answering device & telephone

The unit does not work when any button is pressed.
●Turn the POWER switch off, then turn it on again.

The unit has been set to the TAD/FAX mode, but no voice-messages have been recorded.
●The tape is not installed properly or is broken (cut, worn out or twisted). Install the tape or replace it with a new one.

When the tape is played, the sound level is low or nothing can be heard.
●Raise the sound level using the VOLUME control.
●Clean the head of the cassette deck compartment. See page 5-11.

I have played back all the recorded messages and I want to record the next call after the last message.
●Leave the unit as it is after hearing the messages.

I cannot retrieve recorded messages from a remote phone.
●Make sure that you use your REMOTE TAD ID number correctly.
●When you press your REMOTE TAD ID number, press the buttons firmly.

Some voice-messages have not been fully recorded.
●Set the calling party control (CPC) to "B".
 See page 5-6.

When a caller hangs up after leaving a message, the tape does not stop.
●VOX TIME should be set to 4 seconds.
 See page 5-10.

The unit does not ring.
●Set the RINGER volume selector to the HIGH or LOW position.

ALARM indicator

The indicator flashes after transmission.
●A transmission error has occurred. Try again.

The indicator lights.
●Confirm that the covers of the unit are closed firmly.
●Your OGM is not recorded. See page 2-4.

The indicator lights during transmission.
●A document more than 600 mm (23⅝") is being transmitted.
●A document is jamming. Remove it.
●Connect the unit to a line that does not have special telephone service such as call waiting.

The indicator lights during copying or receiving.
●The recording paper is jamming. Remove it.

●Specifications

Type:	Desktop
Applicable Lines:	Public Switched Telephone Network
Compatibility:	CCITT G3
Document Size:	Max. 216 mm (8½") in width
	Max. 600 mm (23⅝") in length
Effective Scanning Width:	Max. 208 mm (8¾16")
Printing Paper Size:	216 mm (letter)×30 m roll (8½"×98' roll)
Effective Printing Width:	208 mm (8¾16")
Transmission Time*:	Approx. 30 sec/page (G3 Normal mode)
	Approx. 17 sec/page (Original mode)
Scanning Density:	Horizontal 8 pels/mm (203 pels/inch)
	Vertical 3.85 lines/mm (98 lines/inch)—Standard
	7.7 lines/mm (196 lines/inch)—Fine
Scanner Type:	CCD image sensor
Printer Type:	Thermal printing
Data Compression System:	Modified Huffman (MH)
Modem Speed:	9600/7200/4800/2400 bps; Automatic Fallback
Automatic Document Feeder:	Max. 10 sheets
Temperature Range:	5°~35°C (41°~95°F)
Humidity Range:	45%~85%
Dimensions (H×W×D):	125×429×312 mm (4²⁹⁄₃₂"×16⅞"×12⁹⁄₃₂")
Weight:	5.2 kg (11lb 7.4 oz.)
Power Consumption:	Approx. 65 W
Power Supply:	AC 120 V, 60 Hz

*Transmission Time:
Transmission times apply to text data using CCITT No. 1 test chart, between same
machine models at maximum modem speed. Transmission times vary in actual usage.

QUICK REFERENCE CARD
FOR TONE REMOTE CONTROL

1	ABC 2	DEF 3
Back Space	Skip Forward	Reset
GHI 4	JKL 5	MNO 6
Memory Playback	Room Monitor	
PRS 7	TUV 8	WXY 9
OGM Rec		OGM Stop
✳	OPER 0	♯
FAX	OGM Skip	

●To set the TAD/FAX mode, call your
unit and wait for 15 rings. The unit will
answer, then hang up.
●To send the document, press ■.
The "beep" (answering carrier tone) is
heard. Then start transmission.

5–15

SPEED DIALER LIST

CODE	NAME	CODE	NAME
00		10	
01		11	
02		12	
03		13	
04		14	
05		15	
06		16	
07		17	
08		18	
09		19	

Transmitting a document using the speed dialer:
Insert the documents FACE DOWN, then press the AUTO button and the code number ("00" through "19").

Call your unit. ➔ For OGM Skip, press 🔟.

Press Code No.─── ➔ For Memory Playback, press 🔟.

For Room Monitor, press 🔟.

To re-record the OGM:
1 Press 🔟.
2 Speak after the long beep.
   (Do not pause for over 2 sec.)
3 When finished, press 🔟.

During ICM playback:
• For Back Space, press 🔟.
• For Skip Forward, press 🔟.
• For ICM Tape Reset, press 🔟.
• To save the ICM, hang up after playback.
• To record a Marker Message, speak after hearing 2 beeps.

• When you press any button, press firmly.

SERVICENTER DIRECTORY

DIAL TOLL FREE: 1-800-CALL-FAX

Service in Puerto Rico
MATSUSHITA ELECTRIC OF PUERTO RICO, INC.
Panasonic Sales Company/Factory Servicenter
San Gabriel Industrial Park
65th Infantry Avenue KM 9.5
Carolina, Puerto Rico 00630
(809) 750-5135

Your product is designed and manufactured to ensure a minimum of maintenance. However, should your unit ever require service, a nationwide system of FACTORY SERVICENTERS is maintained to support your product's warranty.

Service in the U.S.A....
Factory Servicenters

MATSUSHITA SERVICES COMPANY
Division of Matsushita Electric Corporation of America
50 Meadowland Parkway, Secaucus, New Jersey 07094

ALABAMA
2523-5th Avenue, South
Birmingham, AL 35233
205-252-4195
CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630
714-373-7426
930 South Mt. Vernon Ave.
Suite 200
Colton, CA 92324
714-825-3110
800 Dubuque Avenue
So. San Francisco, CA 94080
415-871-6373
20201 Sherman Way
Suite 102
Canoga Park, CA 91306
818-709-1775
3878 Ruffin Road
Suite A
San Diego, CA 92123
619-560-9200

COLORADO
1640 South Abilene
Suite D
Aurora, CO 80012
303-752-2024
FLORIDA
4115 W. Kennedy Boulevard
Tampa, FL 33609
813-289-9726
GEORGIA
4245 International Blvd.
Suite C
Norcross, GA 30093
404-717-6880
HAWAII
99-859 Iwaiwa Street
Aiea, HI 96701
808-488-1996

ILLINOIS
425 E. Algonquin Road
Arlington Heights, IL 60005
708-981-4840
MARYLAND
Sulphur Spring Business Park,
1638 Sulphur Spring Road,
Baltimore, MD 21227
301-242-2607
MASSACHUSETTS
383 University Avenue
Westwood, MA 02090
617-329-4280
MICHIGAN
8760 Hall Road
Rosati Heights Plaza
Sterling Heights, MI 48314
313-739-1330

MINNESOTA
7850-12th Avenue, South
Airport Business Center,
Bloomington, MN 55425
612-854-8624
MISSOURI
13711 Rider Trail North
Earth City, MO 63045
314-739-5301
OHIO
1196 W. Kemper RD
Cincinnati, OH 45240
513-851-4180
PENNSYLVANIA
2250 Cabot Blvd., West
Langhorne, PA 19047
215-741-0661
Campbell's Run
Business Center
500 Business Center Drive
Pittsburgh, PA 15205
412-788-2174

TENNESSEE
925-8th Avenue, South
Nashville, TN 37203
615-244-4434
TEXAS
7420 Harwin Drive
Houston, TX 77036
713-781-1528
4500 Amon Carter Blvd.
Fort Worth, TX 76155
817-685-1060
WASHINGTON
20425-84th Ave., South
Kent, WA 98032
206-872-7922

For your future reference

SERIAL NO. _____   DATE OF PURCHASE _____
   (found on the rear side of the unit)

PLACE OF PURCHASE _____

ADDRESS _____

QUASAR ANSWERING DEVICE WITH FACSIMILE
Limited Warranty

Quasar Company will repair this product with new or rebuilt parts, free of charge, in the U.S.A. for one (1) year from the date of original purchase in the event of a defect in materials or workmanship.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by Quasar Company or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, or service by anyone other than a MSC Factory Servicenter or an authorized MSC Servicenter or damage that is attributable to acts of God, including, but not limited to, line surges.

LIMITS AND EXCLUSIONS
There are no express warranties except as listed above.

QUASAR COMPANY SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF GOODWILL, PROFITS OR REVENUE, LOSS OF USE OF THIS PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF SUBSTITUTE EQUIPMENT, DOWNTIME COSTS, OR CLAIMS OF ANY PARTY DEALING WITH BUYER FOR SUCH DAMAGES, RESULTING FROM THE USE OF THIS PRODUCT OR ARISING FROM BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of limitation of consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If a problem with this answering device with facsimile develops during the warranty period, you may contact your dealer or the MSC Factory Servicenter or authorized Quasar Service Dealer. If the problem is not handled to your satisfaction, write to the Quasar Company Consumer Affairs Division at the address indicated on the Servicenter Directory.

Quasar Company
1325 Pratt Blvd. Elk Grove Village IL 60007
Division of Matsushita Electric Corporation of America