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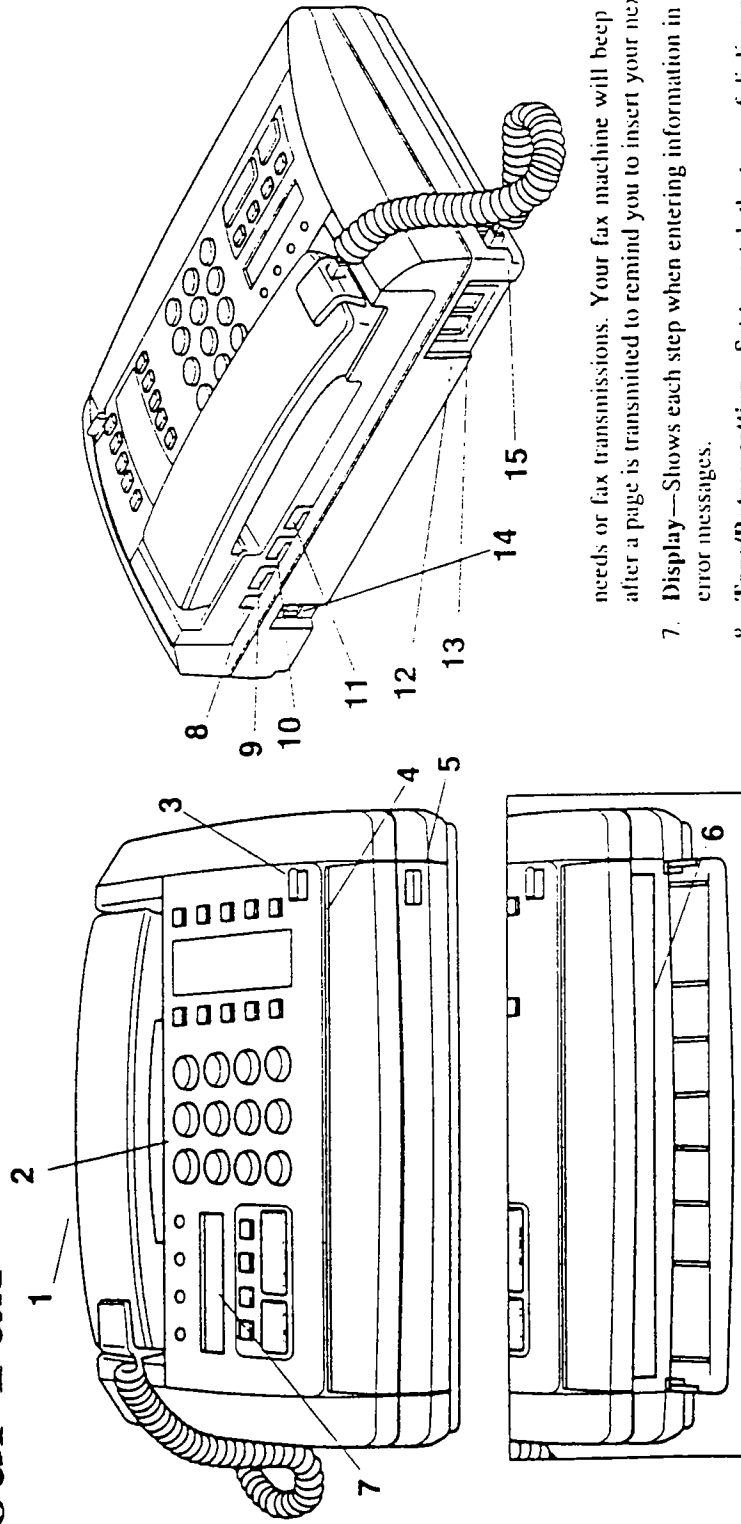
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M720 Operating Instructions

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Your Fax



Your Fax Machine's Components

Before you use your fax, take a look at its physical features:

1. **Handset**—Use the built-in handset for fax and voice calls.
2. **Keypad**—Use to dial your phone and fax numbers.
3. **Cover release**—Open your fax machine's cover to install your 49-foot fax paper roll.
4. **Document exit**—Your copies, original pages and fax receptions exit through this slot.
5. **Document feeder cover release**—Press to flip down the document feeder cover.
6. **Document feeder**—Feed your pages into this slot one at a time for your copy

needs or fax transmissions. Your fax machine will beep for about 6 seconds after a page is transmitted to remind you to insert your next page.

7. **Display**—Shows each step when entering information in the fax and displays error messages.
8. **Tone/Rotary setting**—Set to match the type of dialing signals used by your telephone system. Call your local telephone company for more information about dialing signals required by your telephone system.
9. **Memory switch**—Used when storing a one-touch or speed-dial number. Return the setting to Off when the number is stored.
10. **Ringer volume control**—Three ringer volume settings—High, Medium and Low—let you select the telephone ringer volume that best suits the needs of your home or office.
11. **Monitor volume control**—Controls the volume of your fax machine's monitor speaker. You can choose the setting that's right for you.
12. **Line**—Plug one end of your phone line to this jack, then plug the other end into a standard wall jack.
13. **Phone**—This jack on your fax machine allows connection of a second

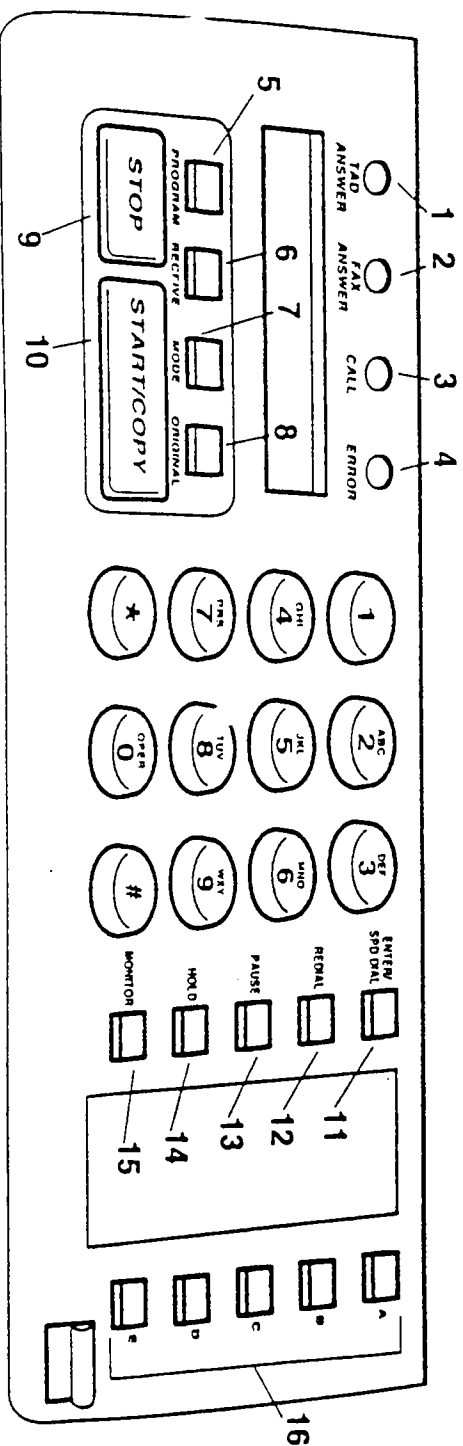
telephone or an answering machine to your fax. For more information on more communication capabilities, see page 21.

14. **Power**—Connection for your external power supply.

15. **Handset connection**—Plug the handset cord into this connection.

Keypad Layout

1. **TAD Answer**—TAD stands for Telephone Answering Device. When this light is turned on you have instructed your answering machine to respond to all calls. Your fax will listen in and automatically take care of fax calls when it hears a signal from the transmitting fax. For more information about using an answering machine with your fax, see pages 21 and 22.
2. **Fax Answer**—Your fax will answer all calls automatically, so you can go about more important business. This light is also turned on when you set up your fax to work with an answering machine. In this case, the Fax Answer light reminds you that your answering machine will answer all calls, but that the fax will take over if it hears transmitting fax tones.
3. **Call**—You have received a call while your fax is transmitting or receiving a fax message. For information on this feature, see page 24.
4. **Error**—Your fax uses this message to tell you it has noticed something unusual about a transmission or reception. Don't worry that something's seriously wrong; Often it's just a momentary problem with the telephone lines. If you see a message in the LCD, see page 26 for more information on troubleshooting. Press **Stop** to turn off the Error light.
5. **Program**—Use **Program** as the key that turns on your machine's features. Just press it to scroll through the fax, telephone and copier options.
6. **Receive**—Press to pick the reception option that's right for your home. You can choose between TAD Answer (your answering machine will answer all calls while your fax listens in), Fax Answer (your fax will answer) or manual (you will answer each call).
7. **Mode**—Use to choose the ideal resolution for the pages you send. It's a great way to make sure every page arrives looking clear and sharp. Use the **Mode** key before transmission to select the resolution you need. Normal is great for most documents. Fine reproduces even more detail and Gray (grayscale) scans and sends your photographs so they look their best.
8. **Original**—The Normal setting is perfect for most of the pages you transmit. Use the Light setting if your page is light and washed-out looking and you want it to be darker when it arrives at the receiving fax; use the Dark setting if your page is dark or muddy looking and you want it to look lighter on the receiving end.
9. **Stop**—Use the Stop key to return to standby when entering information into your machine.
10. **Start/Copy**—This button serves many purposes: Use it to begin your fax transmissions, make copies and enter information into your fax machine.
11. **Enter/Spd Dial**—Use when entering speed-dial numbers into your fax machine's memory (see page 12) and when dialing speed-dial numbers.



12. **Redial**—This timesaver lets you redial the last number called.
13. **Pause**—You may need to enter pauses when dialing long-distance or overseas telephone numbers (see pages 13 and 17).
14. **Hold**—This handy button lets you put your caller on hold.
15. **Monitor**—Allows you to dial numbers without picking up your fax machine's handset. If you're making a fax call, just press **Start/Copy** when you hear the remote fax through the Monitor speaker.
16. **One-Touch Numbers**—Keys A through E save your five most frequently called numbers as convenient one-touch keys, so dialing is quick and easy. Pencil in labels for your one-touch keys, the keys you'll depend on every day for your fax and phone calls.

Accessories

Power supply—The power source for your fax machine plugs into the connection at the back of the fax. Plug the other end into a 120-volt electrical outlet. Be sure to use only the Muratec power supply that came with your fax to operate your machine.



Tips for Use

Keep the following precautions in mind when choosing a place for your fax:

- Don't install your fax where it can be splashed by water.
- Keep your fax away from cooking areas, dust and household spray cleaners.
- Don't install your fax on the same electrical circuit as a high-consumption appliance or device like a microwave or a television.
- Keep your fax out of direct sunlight.
- Do not keep your fax inside a drawer or use a dust cover on it. Both may cause your fax to overheat.

Suggested areas for use: You may want to install your fax in your den or study. That way, your fax is kept close to your paperwork, files and business and family records.

You may want to plug your machine into a surge protector for both the telephone line and electrical line. These devices can absorb and divert damaging high-voltage surges caused by lightning or static electricity without interfering with your fax and telephone use.

Setting Up Your Fax

Phone and Electrical Requirements

Setting up your fax takes only a minute. To ensure proper operation of your machine, make sure you have the appropriate telephone and electrical systems in your home before you install:

Your fax should be connected to a single-line telephone system like the one found in your home, and should **not** be connected to a multi-line system (PBX) like those found in many office environments.

Fax transmission and reception can be stopped by telephone call-waiting signals. If you have requested call-waiting service on the same phone line as your fax machine, you may experience interruptions of fax transmissions and receptions.

Power your machine from a standard 120-volt electrical outlet. Try to keep your machine plugged in all the time. Although your user settings are protected by a rechargeable internal battery for several days, you don't want to risk losing the information that you will enter into your machine. Also, you want to make sure your machine is always ready to receive a fax message.

You may want to plug your machine into a surge protector for both the telephone line and electrical line. These devices can absorb and divert damaging high-voltage surges caused by lightning or static electricity without interfering with your fax and telephone use.

Voltage Requirements:

85 to 135 volts AC, 50 - 60 Hz

Power Consumption:

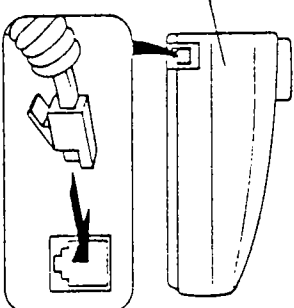
Standby:	8 W
Transmission:	16 W
Reception:	25 W
Copy:	35 W

Quick Setup

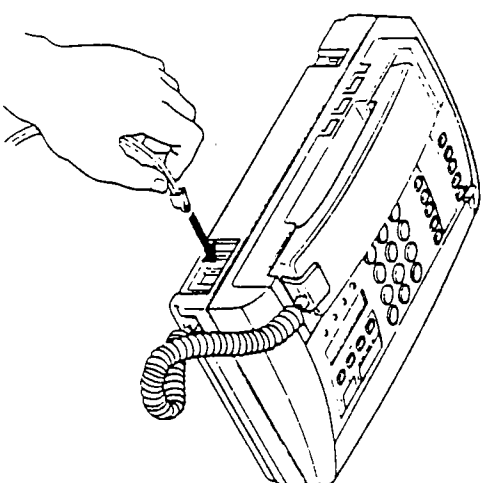
To set up your machine:

1. First, plug one end of the fax handset's cord into the connection on the left side of the machine. Plug the other end into the phone handset. Place the telephone handset into the cradle.

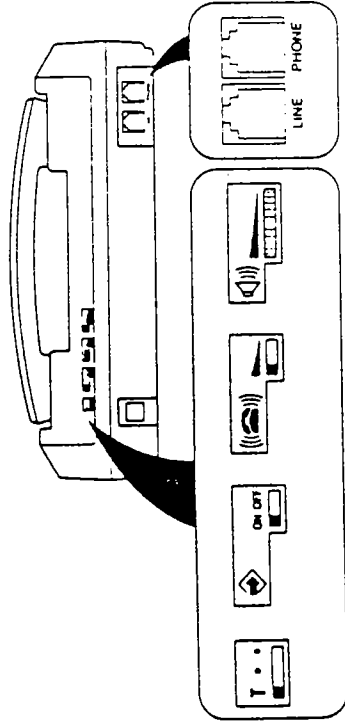
Left side of fax



2. Find a place with a standard electrical outlet and a standard modular telephone jack (called an RJ-11C).
3. Plug one end of the phone line into the 1-line connector at the back of the fax. Plug the other end into a standard wall jack.

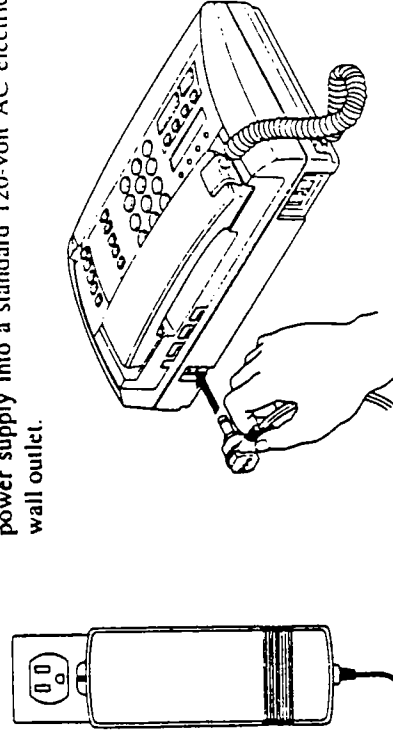


4. Make sure the **Tone/Rotary** switch on the back of your machine is set to the appropriate setting.



Set the switch to "T" if yours is a Tone system. If you're using a Rotary (Pulse) system, move the switch to the second position for rotary dialing. If you're not sure what type of service you use, consult your telephone company.

5. If you want to use a second telephone or an answering machine with your fax, see page 21 for more setup information.
6. Plug the power supply into the connection at the back of the machine as shown. Plug the other end of the power supply into a standard 120-volt AC electrical wall outlet.



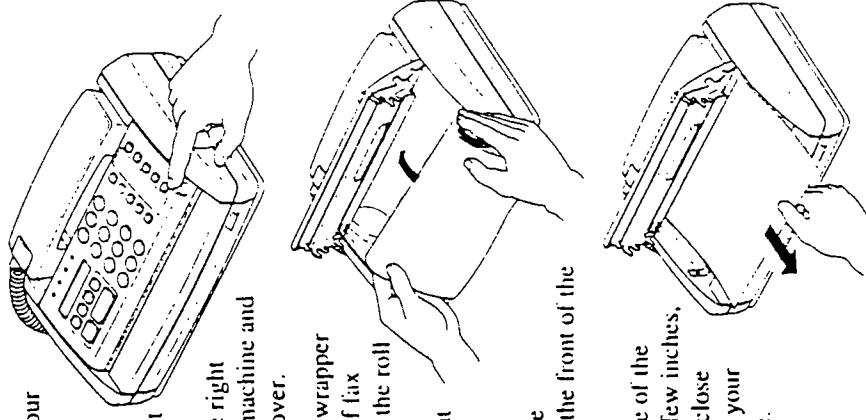
Don't plug your fax into an electrical circuit you use for your refrigerator, air conditioner, or any other large appliance. And don't plug your fax into an outlet that is operated by a wall switch—you don't want to risk turning off the fax and missing a fax message. A battery protects your fax's clock and memory information; however, keep the fax plugged in unless you are moving it.

Paper Roll Installation

Your fax machine uses Muratec's 49-foot paper rolls, for more than 50 one-page receptions per roll. Be sure to buy plenty of compatible Muratec 49-foot rolls to ensure proper operation and smooth fax receptions.

To install your fax paper roll:

1. Make sure your machine is unplugged, then press the document feeder cover release at the right front of the machine and flip up the cover.
2. Remove the wrapper from a roll of fax paper. Place the roll in the paper cradle so that the paper unrolls over the top of the roll and out the front of the machine.
3. Pull the edge of the paper out a few inches, then firmly close the cover of your fax machine.



Tear the page from left to right.



Standby

Once your fax is plugged in, the display will be in "standby." Your fax is in standby anytime it is idle, that is, when it's not being used for fax calls, voice calls or copying. The standby display is the date and time, and when you first install your fax it will resemble the example below:

Jan 01,00 00:05

Instructions for setting the clock are on page 8.

Setup Checklist

Make sure your machine is properly installed before you use it. Check for the following:

- Is the phone line plugged into the **Line** connection? Is the other end plugged into the wall or telephone line surge protector?
- Is the external power supply firmly plugged into its connection at the back of the machine? Is the other end plugged into a wall outlet or power surge protector?
- Pick up the handset. If you have installed your fax correctly, you will hear a dial tone and will be able to use the handset as you would a standard telephone.

Preparing Your Fax

The following section gives step-by-step instructions on setting fax features like the date and time and the number of rings for automatic answer. Preparing your fax is easy: Just follow the directions carefully. You will be pressing the **Program** key to advance through the options. It's much like flipping through a card file—Each time you press **Program** you advance to the next setting. If you make a mistake, simply press **Stop** and begin again.

You will be moving a cursor when entering information for many of the settings in this section. A cursor is a short, horizontal line that appears on your machine's display.

Cursor —

'00 00/00 00:00

Move the cursor so it's positioned under the desired character—letter or number—then enter the character.

To Set the Date and Time

The clock and most other settings you make in your fax are protected from power failures by an internal battery. This means you can unplug and move your fax to a different room without losing the settings you've made.

The display on your fax shows the time in 24-hour format, so 11 a.m. is shown as 11:00, for example, and 2 p.m. is shown as 14:00.

1. To set the clock, press **Program** 7 times.

Set Clock

2. Then press **Start/Copy**.

'00 00/00 00:00

3. To enter the year, press **Original** until the first digit of the current year appears. Then press **Mode** to move

the cursor to the right. Again, press **Original** until you reach the second digit of the current year.

'93 00/00 00:00

4. Press **Mode** to move the cursor to the month position. Then repeat the sequence above, pressing **Original** until the correct number appears and pressing **Mode** after each entry.

'93 04/00 00:00

5. Now enter the correct day. Remember, for example, that the first day of the month is entered as 01, and not as 1. Press **Mode** after each entry.

'93 04/11 00:00

6. Enter the correct hour, pressing **Original** until the desired number appears. Enter the hour using 24-hour format. For example, 3:00 p.m. would be entered as 15:00. Then press **Mode** to move on to the minute setting.

'93 04/11 15:00

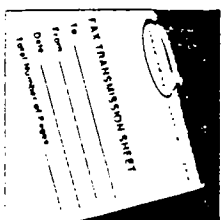
7. Enter the correct minute, pressing **Original** until the desired number appears and pressing **Mode** after each entry.

'93 04/11 15:33

8. Press **Start/Copy**. Your fax will return to standby.

Your TTI and Fax Number

Each page you send includes your Transmit Terminal Identifier (TTI)—a name that will identify you to the people that receive your fax transmissions. This identifier can be your name, your business name, or even a personal greeting. Simply choose a name and enter it into your fax as shown below.



Also included at the top of every page is a very important part of your unit's identification system—your telephone number. Once entered, the Fax Number appears in the visual display of most fax machines you will be communicating with, making it easy for your friends and business associates to call you back. Make sure your Fax Number is always up to date, and includes your area code.

You can include any of the letters and special characters in the chart below when creating your Transmit Terminal Identifier.

Space	A	B	C	D	E	F	Space
Space	G	H	I	J	K	L	Space
Space	M	N	O	P	Q	R	Space
Space	S	T	U	V	W	X	Space
Space	Y	Z		Space	Space	Space	Space
Space	a	b	c	d	e	f	Space
Space	g	h	i	j	k	l	Space
Space	m	n	o	p	q	r	Space
Space	s	t	u	v	w	x	Space
Space	y	z	.	Space	Space	Space	Space
Space	0	1	2	3	4	5	Space
Space	6	7	8	9	Space	Space	Space
Space	(	=	)	@			Space
Space	?	[	]	{	}		Space
Space	-	#	\$	%	&		Space
Space	(	)	.	+			Space

The first and last position on each line allows you to enter a space between words in your TTI.

1. To enter your Transmit Terminal Identifier, press **Program** 6 times.

Enter Your TTI

2. Press **Start/Copy**.

Set Your TTI?

3. Press **Start/Copy** again. The characters you see in your display are some of the ones you will choose from when entering your TTI. Scroll forward through your options by pressing **Original**. Press **Receive** to scroll backward through the options. To move the cursor to the right, press **Mode**.

_ABCDEF 00

4. When the cursor is positioned under the desired character, press **Program** to select it.

ABCDEF 01 A

5. Move the cursor to the next desired character, using the **Original**, **Mode**, **Receive** and **Program** keys to locate and select the desired characters. You may enter up to 22 characters in your TTI. The two-digit number on the display shows the number of characters you have entered. You will also see the last four characters entered.

GHIJKL 02 AL

If you make a mistake while entering your TTI, press **Stop** and begin again.

6. When you have entered your TTI, press **Start/Copy**.

Set Fax #?

7. To enter your Fax Number, press **Start/Copy**. Your display will show numbers for you to choose from.

_0123456 00

8. To move the cursor to the right, press **Mode**. Press **Original** to move to the next group of numbers. When the cursor is positioned under the desired number, press **Program** to select it. Remember, people you send fax messages to will dial your Fax Number when returning your call, so don't forget to include your area code.

0123456 01 1

9. Move the cursor to the next desired number, using the **Original**, **Mode**, **Receive** and **Program** keys to locate and select the desired number. You may enter up to 20 characters in your Fax Number.

0123456 04 1214

10. When you have completed your Fax Number, press **Start/Copy**. The display will return to standby.

Primary Transmission Resolution

The primary transmission resolution is the resolution your fax will use to send your documents unless you choose a different setting manually for a particular transmission. You can choose between two transmission resolutions—normal and fine—as the primary resolution. Normal transmission is suitable for sending typed pages such as memos, letters or recipes. Fine transmission is best when

sending detailed drawings such as floorplans and kids' drawings. Remember that transmission will take longer when you use fine resolution.

When necessary, you can change the resolution manually by pressing the **Mode** key before a transmission. This change will last for only one transmission, then your fax will return to its primary transmission resolution.

To set the primary transmission:

1. Press **Program**.

Set Fax Resol.

2. Then press **Start/Copy**.

Fax Res. = Norm

3. Press **Original** to choose between the two resolution options: normal and fine.

Fax Res. = Fine

4. Press **Start/Copy** to choose the mode of resolution. The display will return to standby.

Selecting the Number of Rings

Use this setting to select the number of times your fax will ring before it answers a call. You can select from 1 to 9 rings. Your fax is set initially for 2 rings. If you're using an answering machine or phone with your fax, see pages 21 and 22.

1. To set the number of rings, press **Program** 3 times.

Set Number Rings

2. Press **Start/Copy**.

of Rings = 2

3. Press **Original** until you reach the desired number of rings.

of Rings = 6

4. Then press **Start/Copy** to save the setting. The display will return to standby.

Printing Your Settings

To make sure you've set your fax to work best for you, print out an overview of your unit's present settings.

1. To print your unit's user settings, press **Program 5** times.

Print Settings

2. Press **Start/Copy** to begin printing the report.

Printing

Once printed, you'll have a listing of the information you have programmed into your fax, including:

- **TTL**—The Transmit Terminal Identifier identifies you to recipients of your fax messages.
- **Fax Number**—The telephone number used by your fax.
- **# of Rings**—The number of times your fax is set to ring before it answers a call, unless you are using an answering machine with your fax.
- **Fax Resolution**—The primary transmission resolution for the pages you transmit—fine or normal.

- **Fax Report**—ON if you want your fax to print a report after each transmission; OFF if you want your fax to print a report only if a problem occurs.

- **Transfer to Fax ON/OFF**—ON if you have connected a second phone, OFF if not.

- **2nd Tel Type**—The kind of phone line your second telephone is set for—tone or pulse (rotary).

Erasing Your Settings

You can return all your machine's settings back to their original factory positions by changing just one setting. The settings erased by this command are TTL, Fax Number, Number of Rings, Fax Resolution, Fax Report, Transfer to Fax and 2nd Telephone Type. Custom settings will also be affected (see page 28).

To return your machine's settings back to their original factory positions:

1. Press **Program 7** times.

Set Clock

2. Press **Mode**. (The display will not change.)3. Press **Start/Copy**.

Erase Settings

4. Press **Start/Copy**. The display will ask you if you are sure you want to erase the machine's settings.

Sure?

5. If you want to erase your machine's settings, press **Start/Copy** again. If not, press **Stop**.

Autodialer Numbers

Your fax includes an autodialer—a handy feature that allows you to store frequently used phone and fax numbers, and access them with just a touch. Twenty autodialer numbers are at your service—available as convenient one-touch keys and speed-dial numbers. Both mean quick convenience when dialing the baby-sitter, work, wherever you call or fax most often.

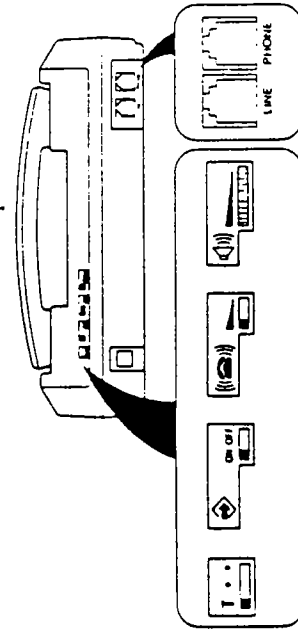
You can enter up to 25 digits for each telephone number in your autodialer. If you have touch-tone telephone service and have selected tone dialing signals for your handset, you can add the asterisk (*) and pound keys (#) in your stored telephone numbers. These keys are used in some long-distance service passcodes and other special telephone services.

Each of your stored telephone numbers can be dialed by pressing **Enter/Spd Dial** and a two-digit speed-dial number, 00 to 19. The first five speed-dial numbers—00 to 04—can also be accessed by pressing one-touch keys A to E. You can enter your numbers in the phone directory on page 14.

Storing Autodialer Numbers

To store an autodialer number, follow these simple instructions.

1. Make sure your fax's telephone line is connected. Locate the **Memory** switch on the back of your fax and switch it to the ON position.



2. Press **Enter/Spd Dial**. (Your fax machine's display will not change.)

3. Enter the telephone number you want to store, plus, if you have tone telephone service, any asterisk (*) or pound (#) symbols needed. Enter up to 25 digits.

Notes: The telephone number you enter will not appear in your machine's display. If you're entering a long-distance number, be sure to precede the number with a "1" and the proper area code.

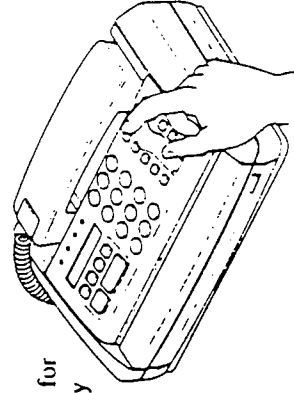
If you want to include dialing pauses in the number you're storing, see the following section on **Dialing Pauses**.

Put down your phone numbers and their corresponding one-touch and speed-dial numbers in your phone directory (see page 14).

4. When the telephone number is complete, press **Enter/Spd Dial**.
5. Now press the desired one-touch key or two-digit speed-dial number to assign it to the telephone number that you just entered. Repeat the process from step 2 for each number in your autodialer.
6. When you're finished entering numbers in your autodialer, switch the **Memory** switch back to the OFF position.

Tips: If you like, you can label your one-touch numbers. Just use a pencil to label the one-touch card.

If you want to save a new number for an existing speed-dial number, simply store the new number as you would normally. The new number will replace the old number for your one-touch or speed-dial location.



If You Use a Pulse Dialing System:

If your local telephone system requires rotary dialing signals but your long-distance company requires tone access codes, you can accommodate the switch from rotary signals to tone signals for successful dialing of the numbers you call. A special character allows the switch from one signal to another. You can enter this character when dialing numbers or when saving numbers in your autodialer.

To accommodate the switch from rotary to tone signals:

When entering a telephone number, stop when you get to the group of numbers that must be dialed using tone mode.

Enter an asterisk (*) from the fax machine's keypad, then continue entering the rest of the phone number.

Dialing Pauses

You can include short pauses in your dialing sequences to make dialing of your long-distance service easier. Dialing pauses are required for use with some long-distance systems and are often useful when dialing through special telephone exchanges.

To enter a dialing pause in your autodialer, just press the **Pause** key where you want a pause to occur.

The first pause you enter will last 3.5 seconds. Adding a second pause will extend it to 5 seconds. Three consecutive pauses last 8.5 seconds; four pauses, 10 seconds. Add as many pauses as you like, but remember, each pause counts as one of the digits you are allowed when entering a speed-dial or one-touch number.

Autodialer Directory

Keep this convenient list of your autodialer numbers nearby for making your fax and voice calls.

One-Speed-Touch	Speed-Dial	Phone Number	Location
A	00		
B	01		
C	02		
D	03		
E	04		
	05		
	06		
	07		
	08		
	09		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		

Your Unit's Phone

As you've already seen, your fax is a personal communications center that satisfies your fax and copier needs. You'll soon find that it is also a full-featured phone, equipped with all the standard conveniences you'd expect, plus a little more.

You can use the phone to make voice calls or to place fax calls. When calling a remote fax with the handset, wait until you hear fax reception tones. Then press **Start/Copy** to transmit the page in the feeder.

Also included with your unit are these convenient phone features:

Redial

Pressing this key redials the last number you dialed, up to 32 digits.

If you have used the **Redial** key and receive a busy signal, there's no need to hang up. Simply press **Redial** again and let the fax do the work for you.

Hold

Press the **Hold** key at any time during a telephone conversation to put your caller on hold. Press **Hold** again to return to your call. Or, if the handset is in its cradle, simply pick it up to return to your call.

Monitor

For hands-free dialing, press **Monitor** to get a dial tone while the fax's handset remains down. Then just dial the telephone or fax number using the numeric keypad, a one-touch key or by pressing **Enter/Spd Dial** and a two-digit speed-dial number. For voice dialing, pick up the handset when the call is answered. For fax dialing, make sure there is a page in the unit's feeder and press **Start/Copy** when the remote fax answers.

Sending a Fax / Making a Copy

Your Muratec fax is built to communicate with virtually all of the millions of fax machines in use around the world.

You can send any piece of normal-weight paper whose dimensions fall within the size of a checkbook to a few inches longer than a sheet of legal-size paper. The exact maximum and minimum width and length requirements are:

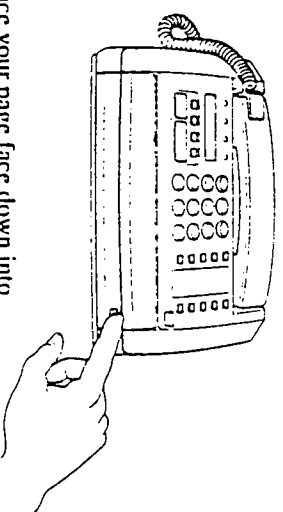
Maximum: 8.5 inches x 17 inches
Minimum: 3.9 inches x 2.7 inches

Do not transmit:

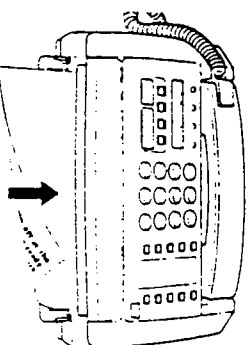
- Extremely thin or wrinkled pages
- Folded pages
- Cardboard, newspaper or fabric
- Documents carrying staples, glue, tape or paper clips
- Pages with duplicating carbon on one side

To send a fax:

1. Press the document feeder cover release to open the document feeder cover.



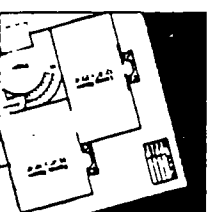
2. Place your page face down into the feeder.



Transmission Resolution

3. Press **Mode** to choose the transmission resolution that's right for your pages.

Normal resolution is suitable for most typed documents. **Fine** is ideal for detailed documents such as maps or floorplans. **Gray**, or **grayscale**, is used to send halftone images and photographs.



Fine resolution



Gray resolution

If the pages you're sending require different transmission resolutions, you can change the resolution with each page you transmit. That way, you can send a map in **Fine**, a letter in **Normal** and a snapshot in **Gray** all on the same fax call.

After your fax sends your pages, the resolution will automatically return to the primary transmission resolution you selected (see page 11).

4. If your original pages are too light or too dark, set the contrast to compensate. If your document is too dark and you want it to print lighter, use the **Dark** setting; If your document is too light and you want it to print darker, use the **Light** setting. Press **Original** to scroll through and select your contrast option.

5. Pick up the handset or press **Monitor** and listen for a dial tone. When you hear a dial tone, dial your number using any of the following simple methods. Please note: The numbers you dial will not appear in the display.

Keypad

6. Enter the telephone number using the numeric keypad. Remember to enter "1" and an area code for long-distance transmissions.
 7. When you hear fax tones, press **Start/Copy** to begin transmission. If the remote unit is answered by a person, tell them you are trying to send them a fax. Then press **Start/Copy**.
- After transmission begins, return the handset to its cradle. If you were using the monitor, there's no need to press another key. Your fax will do the work for you. See step 8 below.

One-Touch Key

6. Press the one-touch key programmed with the number you wish to reach. Your fax will automatically attempt transmission. If you're using the handset, hang up. If you're using the monitor, your fax will turn off the monitor speaker. See step 8 below.

Speed-Dial Number

6. Press **Enter/Spd Dial** and enter the two-digit speed-dial number programmed with the number you wish to reach. Your fax will automatically attempt transmission.
7. Hang up the handset. If you're using the monitor, your fax will turn off the monitor speaker.
8. When your fax reaches the fax you are calling, the Fax Number entered in the fax may appear in the display of your fax. (The number that appears in your display may not be the same as the number you dialed. Any number can be entered by the remote operator as their Fax Number.)
9. A beeping sound will repeat for 6 seconds after each page has been sent. This signal reminds you to insert the next page to be transmitted. **If you do not insert a**

second page during the beeping sound, your fax will complete the transmission. The beeping signal's volume cannot be adjusted, but you can press **Stop** after the last page is transmitted. For information on adjusting the duration of the beeping sound, see page 30.

Redial Key

Use the Redial key to redial busy fax numbers. After you've reached a busy number, simply press **Redial**. The number you last dialed will automatically be dialed again.

Chain-Dialing

If you regularly call or fax long-distance, you can use speed-dial numbers and one-touch keys to quickly enter the special prefixes, dialing pauses and long-distance service passcodes that are often required when you make a long-distance call.

With many long-distance telephone companies, a long-distance call involves three dialing sequences: the access number for the long-distance service, the number of the person or remote fax you're calling, and a unique pass code for your long-distance account.

If your long-distance service usually requires that you wait for a tone or for a short period of time before entering the next sequence of numbers, enter a few dialing pauses at the end of these sequences to cover the required waiting time.

Long distance service number	18005551212 (Pause)
Number you are calling	2144033499 (Pause)
Long-distance passcode	87687687

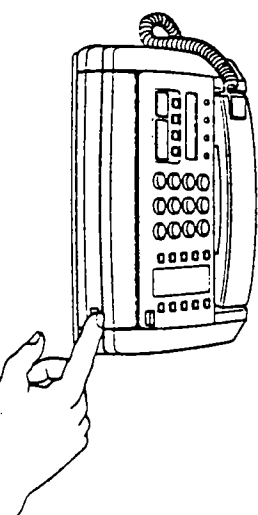
Store the long-distance service number as, for example, speed-dial 06. Then store the number for the remote fax as speed-dial number 07. Finally, store the pass code required for your long-distance service as one-touch A.

To transmit in the example above:

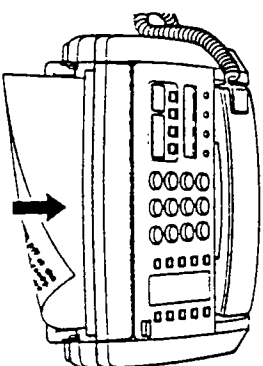
1. Remove any documents from your machine's feeder.
2. Press **Monitor**.

To make copies with your machine:

1. Flip down the document feeder cover.



2. Insert the page to be copied. Make sure the page is inserted printed side down.



3. If desired, press the **Mode** key to choose the preferred copy resolution. Fine resolution is suitable for most pages you copy, and is ideal if you're copying floor plans or anything that uses lots of detail. Gray is perfect for photographs.
4. If desired, press the **Original** key to adjust the lightness or darkness of the copy.
5. Press **Start/Copy**. The copy and your original page will feed out through the document exit.

3. Press **Enter/Spd Dial**, 06 to recall the long-distance service number. Your fax will begin dialing.
4. Press **Enter/Spd Dial**, 07 to recall the remote fax number you are calling.
5. Press one-touch key A to recall your account pass code.
6. Insert your document.
7. When you hear fax tones, press **Start/Copy** to begin your transmission.

Dialing Pauses

You can include short pauses in your dialing sequences to make long-distance service dialing easier. Dialing pauses are required for use with some long-distance systems and are often useful when dialing through special telephone exchanges.

To enter a dialing pause in your autodialer, just press the **Pause** key where you want a pause to occur.

The first pause you enter will last 3.5 seconds. Adding a second pause will extend it to 5 seconds. Three consecutive pauses last 8.5 seconds. Four pauses, 10 seconds. Add as many pauses as you like, but remember, each pause counts as one of the digits you are allowed when entering a speed-dial or one-touch number.

Making Copies

Your machine serves as a handy in-home copier, so you can copy recipes and insurance forms without running to the local convenience store.

The copies you make on fax paper will last for about three years under ideal conditions, that is, stored in a dry, cool place.

Hint: When mailing medical records and insurance forms, send the copy you make using your machine's copier and keep the original, so you always have a permanent record.

Receiving a Fax

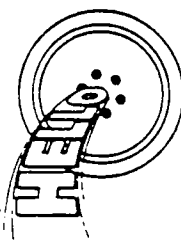
Because your M720 is both a fax and a telephone, it will receive two different types of telephone calls: fax calls and voice calls. The difference between the two is easy to determine. A voice call will sound like any call you answer on your home phone. On the other hand, a fax call has a very distinctive sound. When you answer a fax call, you will hear a repeating beeping tone over the phone line. Now that you know the difference, read on for instructions on answering your fax machine.

Manual Answer

If you want to answer each call by picking up the handset, no special settings are necessary. Just make sure that neither the **TAD Answer** light nor the **Fax Answer** light is lit. (If one or both are lit, press the **Receive** key until both lights are turned off.)

When your phone rings, simply pick up the handset or press **Monitor** to listen to the incoming call.

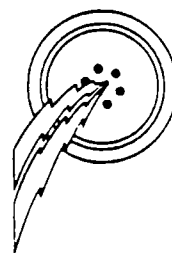
If you hear a voice when you answer a call:



Talk as you would normally. If you're using the **Monitor**, pick up the handset to talk.

If you hear fax tones when you answer:

Press **Start/Copy**, then hang up the receiver or simply press **Start/Copy** if you were using the monitor. Your machine will come on line to receive the fax message. You'll see the following display:



Receive

The display will then show you the resolution at which you'll receive the fax message:

Receive Norm

If you'd like to speak with the person sending the fax after the transmission starts, see page 24 for information on using the **Call Reserve** feature.

Automatic Answer

Your machine can answer all calls automatically, so you can run your errands and tend to other business without worrying about missing an important fax reception.

To set your machine to answer automatically after two rings:

Press **Receive** until the **Fax Answer** light is lit.

Your callers will hear fax tones when they call, signalling that they've reached a fax machine.

You may want to leave the machine on **Fax Answer (Automatic)** all the time, and answer manually when it's convenient for you. If this is the case, see page 10 for more information on setting the desired number of rings. By setting the fax to answer after more than two rings, you have more time to grab the phone if you wish.

"Being Called" Display

When your machine answers automatically, you will see the following display:

Being Called

This display appears when your fax has answered a call. If the call is from a fax, the telephone number of the remote fax machine will appear in the display.

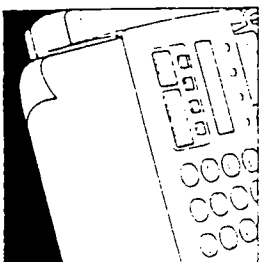
12144033499

The next display tells you that you're receiving a fax message and shows the resolution at which it is received.

Receive Norm

Out-of-Paper Line

When your fax is almost out of paper, a red low-paper line will appear on the underside of the page as it feeds out of the machine. A black line will appear on the underside of the page on the right side. When these lines appear, it's time to replace the paper roll.



For best results, use Muralec 49-foot paper specifically designed for use in your machine.

Automatic Answer Options

You can connect a second telephone or answering machine to your fax for complete communication capabilities. For more information on these special reception options, see page 21.

Caring For Your Fax

With proper installation and a little maintenance, your Muratec fax machine should provide dependable service for years to come.

Although little day-to-day care is required for your fax, you can take these simple precautions to keep it in top form.

- Make sure your fax machine is installed according to Muratec's specifications. Review the requirements on page 4 before you install your unit. Don't install your fax where it can overheat, gather dust or get splashed by water or other liquids.
- Use thermal facsimile paper labeled for use with your Muratec fax machine to ensure a perfect fit.
- Clean your fax, if needed.

Cleaning Outside

Use a mild cleaning solution sprayed onto a lint-free towel or cloth to wipe down the machine's cover and handset.

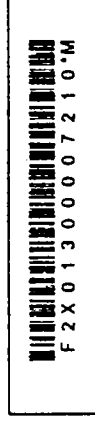
Cleaning Inside

- Never spray cleaner directly on your fax. The drifting spray could damage components inside your unit.
- Always unplug your unit before cleaning.
- Use lint-free swabs, a specially formulated cleaning solution and a supply of dust-free air to clean inside your fax.
- Use a lint-free cloth moistened with cleaning solution to wipe the plastic surfaces inside your unit.
- Use lint-free swabs moistened with cleaning solution to gently wipe components inside your fax.
- Use dry, dust-free compressed air to gently blow dust and other material from areas you cannot reach with swabs.
- Never attempt to clean inside sealed areas of your unit and never spray cleaning solution directly onto your fax.

Muratec's Full Circle Service

If you have a question about your machine that isn't answered in this manual, you can call our trained support personnel toll-free. They'll be happy to help you with the problem, and they have an excellent track record: More than ninety percent of our users' questions are solved over the telephone.

Before you call, please have your machine's serial number ready. To find your machines' serial number, look on the bottom of your fax. You will see a label with a bar code printed on it. The last eight numbers on the bar code label form your serial number. The serial number shown below is a sample. Have the serial number from the bottom of your unit ready when you call Muratec.



Serial Number

Our toll-free number is:

1-800-347-3295

If you need on-site service, Muratec has more than 1,000 trained technicians in more than 300 locations nationwide.

For customers in Canada, call:

1-800-347-3271

Options for Receiving Calls

Once you've familiarized yourself with features such as basic automatic answer, you'll probably want to integrate a second phone or answering machine for full-fledged communication center capabilities.

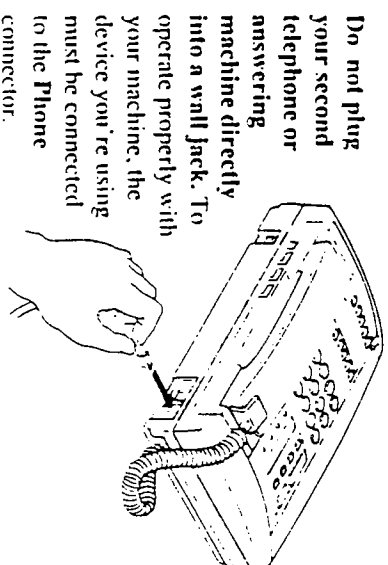
You can choose the reception option that best suits your needs. First of all, you can connect a second telephone to your machine. That way, you can answer calls from a second phone if it's more convenient, and transfer fax calls back to your fax.

Or connect your answering machine to your fax for even more answering options. Your answering machine will answer all calls, and your fax will listen in and take over the phone line when it hears special fax tones. Callers who wish to speak with you can leave a message, and fax callers can send a fax. Callers can even leave voice and fax messages on the same telephone call.

Attaching a Second Telephone or Answering Machine to Your Fax

Setting up your machine for use with a second telephone or answering machine is quick and easy. Just follow the instructions below:

1. Install your fax. See page 5.
2. Plug your second telephone or answering machine's telephone line into the Phone connector at the back of the machine.



Do not plug your second telephone or answering machine directly into a wall jack. To operate properly with your machine, the device you're using must be connected to the Phone connector.

Transfer Fax Calls from a Second Telephone (Transfer to Fax)

When a second telephone is attached to your fax, you can answer calls from the second phone if it's more convenient, and transfer your fax calls back to your machine for fax receptions. (You can even answer the second phone from another room if the phone line is long enough to reach, or if you use a cordless phone!) This feature is perfect if you're busy around the house and want to answer your calls manually.

Remember, this feature only works on the phone physically connected to the Phone connector on your fax. You cannot transfer calls from phones connected to a wall jack or other phone connections.

To set your machine to Transfer to Fax:

1. Follow the instructions above for attaching a second telephone to your fax machine.
2. Press **Program 2** times.
3. Press **Start/Copy**.

Transfer to Fax

Transfer = ON

4. To change the setting, press the **Original** key. Transfer = ON allows you to transfer fax calls from a second phone attached to your fax.
5. Press **Start/Copy**.
6. Now you'll set the phone type for your second telephone. Your choices are Tone and Pulse (Rotary).

Tel Type = Tone

To change the telephone type press **Original**. If you're unsure of the type of telephone you are connecting to your fax, call your local telephone company.

7. Press **Start/Copy**. The display will return to standby.

To use the Transfer to Fax feature:

When your phone rings, answer from the telephone that's connected to your fax. If it's a regular voice call, talk as you would normally. If you hear beeping fax tones, press "6" two or four times (see page 28), then hang up. Your fax will take over the phone line and print the message.

Using an Answering Machine With Your Fax

You can connect an answering machine to your fax's Phone connector for the ultimate in fax/telephone convenience. Your answering device and Muralec machine can work perfectly side by side when you take a few precautions to accommodate the standards used by most fax machines. **Important: Make sure both the TAD Answer and Fax Answer lights are lit before you use an answering machine with your fax. Read the following section before you use your answering machine with your fax.**

Some Tips to Ensure Top Performance...

Some fax machines have the ability to dial automatically (using one-touch numbers, for example) and they use an internal clock to time and control their communication. The transmitting machine waits a fixed period of time after dialing to hear a receiving "greeting" from your machine. If they don't hear the

proper reception tones within this limited period, they usually hang up and automatically redial minutes later.

When you use an answering machine on the same line as your fax machine, the whole transmission process for a remote machine—dialing your machine's number, ringing and waiting for your answering device's outgoing message—can take 40 seconds or more. This exceeds the international time limit that fax machines use, so the transmitting fax could hang up.

To ensure smooth operation of your machine and answering device, follow these guidelines:

1. First, make sure the telephone line for your answering device is connected to your machine's Phone jack. The answering machine's power cord should be plugged into an electrical outlet.
2. Press the **Receive** key until both the Fax Answer and the TAD Answer lamps are lit.
3. Set your answering machine to answer calls after one or two rings. Consult your answering machine's operating manual for instructions.
4. Create an outgoing message for your answering machine that is less than 10 seconds long. (For ideas on modifying your message, see "Modifying your Answering Machine Message" later in this section.)

When you choose this reception option, your calls will be answered by your answering machine, since it should be set to respond after one or two rings. While your answering machine plays your outgoing message, your fax will listen quietly on the line. Callers leaving a voice message will not know a fax machine is there.

If your fax hears the standard fax transmission tones, it will disconnect your answering machine and begin reception.

Your fax will answer calls after seven rings if your answering machine breaks or does not answer for some other reason. In these cases, your fax will attempt to begin fax communication immediately.

Modifying Your Answering Machine Message

Here is a suggested outgoing message for your answering machine that you can modify to suit your own needs:

Hi. You have reached (your name or telephone number). If you would like to send a fax, press Start now. If you would like to leave a message, wait for the beep. Thanks!

Tip: For best results, remember to keep your message under 10 seconds long.

Your callers can even leave both a voice and fax message on the same telephone call. Modify your answering machine message to explain that callers can leave a voice message on your answering machine, then press **Start** to begin their transmission. Your machine will detect the switch from voice to fax, and come on the line to print the message.

To Answer Calls From Another Phone

You can answer fax calls from any phone extension in your home if you're unable to answer from your fax or second telephone. Simply pick up a telephone handset anywhere in your home. If it's a person on the other end, talk as you would normally.

If you hear beeping fax tones, do the following:

1. Lay the handset down without hanging up.
2. Go to your machine, pick up the handset, then press **Start/Copy**.
3. Hang up both your fax machine's handset and your extension's handset. Your machine will take over the phone line to receive the fax message.

Special Communication Features

Other special features allow even more communication capabilities...

3. To change the setting, press **Original**.

Fax Report = ON

Fax Report

Your machine can print a fax report that lets you know your fax message was transmitted. This feature gives you extra peace of mind when you have important documents to transmit. Each Fax Report lists the date of the transmission, the receiving location and the number of pages transmitted. (If the "Location" listing is blank, the remote operator has not entered their fax number into their fax.)

You will also see a "Result" listing. A successful transmission will appear in the Result column as "OK." (A report of an unsuccessful transmission will include an explanation of the error and a corresponding error code. See page 26 for more information.)

```

**      F a x   R e p o r t      **
Date      :   Jun 02.91  18:53
Location   :           215 5558551
Pages      :    01
Result     :    OK
  
```

To set your unit to print a fax report for each of your fax transmissions:

1. Press **Program 4** times.

Set Fax Report

2. Press **Start/Copy**.

Fax Report = OFF

4. Press **Start/Copy**. Your fax will return to standby.

Call Reserve (Fax message and voice call on same call)

Call Reserve allows you to have a fax transaction and a voice conversation on the same call, whether you are sending or receiving a fax message.

To request a conversation after you send or receive a fax message:

1. While your machine is transmitting or receiving a fax message, press **Start/Copy**. The **Call** light on your fax will turn on.
2. The remote fax machine will ring after each page is printed, signalling your call reserve to anyone nearby. If someone responds, your machine will sound a prolonged ring and the **Call** light will flash.
3. Pick up the handset before the end of the prolonged ring and press **Stop**. In a few seconds, the line will open and you can begin your conversation.
4. If you want to transmit after your conversation, insert a page into the feeder. Tell the remote operator to press **Start/Copy**. When you hear fax tones, press **Start/Copy** and hang up.

To respond to a remote operator's reserved call:

If someone requests a call, you will hear a prolonged ring after each page is transmitted or received and the **Call light** on your fax will flash. To answer the call request, pick up the machine's handset and press **Stop**.

When the person at the other end of the line answers, the phone line will open and you can begin your conversation.

Polling

Polling lets you automatically "pull" a page or document from another fax machine's document feeder.

You can use polling anytime you need to retrieve information and don't want the source to pay for the phone call. With polling, you pay for the call and get the information you need.

To poll, or "pull" a page or document from a remote fax:

1. Make sure the remote fax operator has a document stored in their fax, ready to be retrieved. Also make sure there is **not** a document in your fax machine's feeder.
2. Pick up the handset or press **Monitor**.
3. Dial the telephone number for the remote fax.
4. When the remote fax answers and you hear fax tones, press **Start/Copy**. Return your fax handset to the cradle. If you're using the **Monitor**, just press **Start/Copy**. Your fax will do the rest.

Remedies and Custom Settings

Occasionally your fax will detect a problem with the telephone line in use or encounter a problem when sending or receiving a fax. Don't worry when this happens: Your fax will give you instructions on correcting the problem.

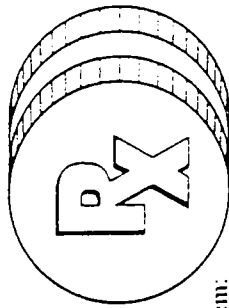
Alarm

When your fax detects a problem, you'll be alerted by the Error light and an alarm tone. Press **Stop** to cancel the beeping alarm tone and return your fax to standby.

Displayed Messages

Your fax machine's display messages help you to easily spot problems that can halt communications.

If you do receive a message or code, just follow its directions and then press **Stop** to cancel the beeping alarm tone and return your fax to standby. Each display message is shown below, along with a description of the solution to the problem:



Set Page Again

Your page was not inserted properly, or the machine you're sending to cannot accommodate the length of your page. Reset the page and try the transmission again.

Close Cover

Your fax machine's cover is open. Make sure the cover is firmly closed.

Hang Up Phone

The telephone handset is off the cradle. Hang it on the cradle.

Out of Paper

Replace the recording paper roll. All printing is suspended until the recording paper is replaced. See page 6 for instructions.

Erase Settings

The settings or instructions stored in your fax have been erased. Print out a copy of the machine settings so you will know what needs to be reset. Then follow the instructions in the Preparing Your Fax section to set your fax the way you like.

Feeding Page

Your fax is feeding your page through without scanning it. Many circumstances may cause this to happen: You may have stopped a transmission or plugged in your fax with a page in the feeder. Please try transmitting or copying again.

Error Codes

When your fax detects an error, it prints out a Fax Report—a small slip of paper that lets you know where the problem occurred and what to do next. These errors can be caused by things like lightning and telephone line interference—the same things that cause the line noise you sometimes hear when talking on the telephone.

In many cases, simply trying your call again is all that's necessary. If the problem persists, you can always call a trained service person or your phone company for help.

Each Fax Report printed after a problem occurs lists an error message that briefly states the reason the error occurred and a possible resolution. The Fax Report also lists the date of the transmission, the sending location and the number of pages sent. (The "Location" listing will be blank if the remote operator has not entered their fax number into their fax.) You will also see a code

listed in the "Result" column. Result codes indicate the specific problem encountered. Codes prefaced by a "T" occur during transmission; those with an "R" occur during reception.

An example of a fax report is shown below. Also listed below are the three types of messages you may receive, plus the different error codes that can appear with each message.

```

++      F A X      R E P O R T      ++

Fax communication not possible  Call remote operator

Date       :      Jun 18, 91  08:23
Location   :      301 5559551
Pages      :      000
Result     :      P 1 1
  
```

Type A: Fax communication not possible. Call remote operator.

T.2.1. and T.2.2.—

The telephone line disconnected during transmission or fax communication became impossible because telephone line conditions were poor. Try the call again.

T.2.3.—

Fax communication was not possible because telephone line conditions were poor. Try the call again.

R.1.1., R.1.2., R.3.2.

The fax attempting to transmit to you is not compatible with your fax or had a document feeder problem.

and R.3.3.—

R.3.4.—

Poor telephone line conditions may have prevented your fax from properly printing some or all of the pages it received.

R.4.2.—

The telephone line disconnected before the transmission was acknowledged, or the machine that's transmitting to you needs maintenance.

Type B: Your fax could not be sent. Please try again.

T.1.1.—

The receiving fax did not respond properly to your fax and may not be working.

T.3.1.—

Your fax detected a document feeder error when it tried to transmit. Carefully re-insert the page into the feeder and try the call again.

T.4.1.—

The telephone line disconnected while your fax attempted transmission. Try the call again.

Type C: Check transmitted fax; message may be unreadable.

T.4.2.—

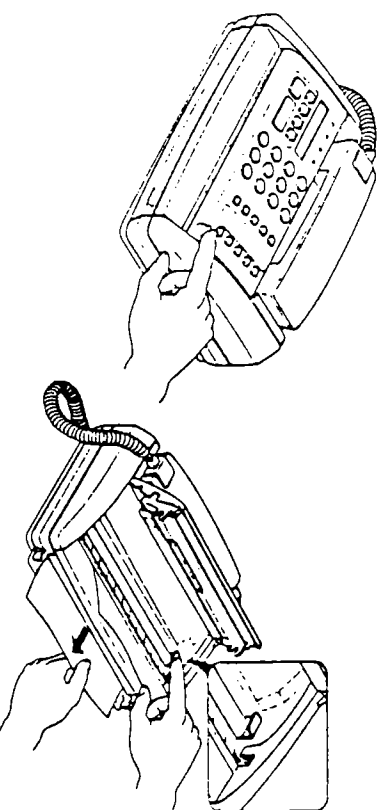
Poor telephone line conditions developed after the start of your transmission. Try the call again.

R.4.1.—

Poor telephone line conditions may have prevented your fax from printing some or all of the received fax message.

Paper Jams

Occasionally, a page may jam in the document feeder of your fax. If this occurs, do the following:



1. Press the cover release button.
2. Find the green lever on the right of the paper cradle. Gently pull your page out of the document feeder while pressing the green lever.
3. Firmly close the fax machine's cover.

Custom Settings

Special settings in your fax machine's software—called dip switches—allow you to modify some of your machine's features to best suit the needs of your home.

Changing the dip switch settings is optional, so change only those settings that you wish to modify.

When you use the Clear Settings command, dip switch settings are returned to their original positions.

A Special Note about Software Dip Switches

Each time a software setting or a user setting is made in your fax, the dip switch numbers in the display will change. Don't worry if, for example, you go to switch 3 to make a setting and the ones and zeros in your LCD do not exactly match those shown in this manual. Just make sure you follow the instructions to change the specific bit for a particular feature, and disregard the other bit numbers in the LCD.

To change the setting for any switch, first follow these steps, then go to the specific dip switch setting you want to change.

1. Press **Program** 7 times.

Set Clock

2. Press **Receive**. The display will not change.

3. Press **Start/Copy**.

Set Parameter

4. Press **Start/Copy** again.

dipsw-0 00000000

Read on for a list of features that can be modified by dip switch settings.

Transfer to Fax (Number of times "6" is pressed)

When your machine is set to Transfer to Fax (see page 21), you can transfer fax calls to the fax by pressing "6" two or four times on the handset of the telephone physically attached to the M720's Phone jack.

Although it's unlikely, your voice can duplicate the types of sounds made by the "6" on your handset. If this happens, your fax could disconnect the telephone line. To guard against accidental disconnection, change the setting so that you're required to press "6" four times to transfer a fax call.

To set your phone to transfer fax calls after "6" is pressed four times, follow steps 1 through 4 above, then:

5. Press **Start/Copy** 2 times.

dipsw-2 10001100

6. Press **Mode**.

dipsw-2 10001100

7. Press **Original** to change the setting to "1".

dipsw-2 11001100

Note: To return the fax to the initial setting, press **Original** again to return the setting to "0".

8. Press **Start/Copy**.

dipsw-3 11000000

9. Press **Stop** to save the new setting and return to standby.

Beeping Tone Between Transmitted Pages

When you transmit, your fax will sound a beep after it has scanned a page, signalling that it's time to insert another page. Your fax is initially set to sound a beep for 6 seconds between pages, then end the transmission. You may change the setting so that your fax sounds the beep for 12 seconds before ending the transmission.

To change the amount of time your fax waits before completing a transmission, follow steps 1 through 4 above, then:

5. Press **Start/Copy** 2 times.

dipsw-2 10001100

6. Press **Mode** 4 times.

dipsw-2 10001100

7. Press **Original** to change the setting to "1".

dipsw-2 11000100

Note: To return the fax to the initial setting, press **Original** again to change the setting back to "0".

8. Press **Start/Copy**.

dipsw-3 11000000

9. Press **Stop** to save the new setting and return to standby.

Unlimited Received Document Length

If you plan to receive extra-long pages—such as a "Welcome Home" banner or a computer printout—you can adjust the setting so your fax can adapt to the special page length.

To instruct your page to print extra-long pages, follow steps 1 through 4 above, then:

5. Press **Start/Copy** 3 times.

dipsw-3 11000000

6. Press **Original** to change the setting to "0".

dipsw-3 01000000

Note: To return the fax to the initial setting, press **Original** again to change the setting back to "1".

7. Press **Start/Copy**.

dipsw-4 01101000

8. Press **Stop** to save the new setting and return to standby.

Unlimited Transmitted Document Length

The maximum page length your fax can transmit is about 17 inches; however, if you plan to transmit extra-long pages—such as a "Welcome Home" banner or a computer printout—you can adjust the setting so your fax can adapt to the special page length. To instruct your page to transmit extra-long pages, follow steps 1 through 4 above, then:

5. Press **Start/Copy** 3 times.

dipsw-3 11000000

6. Press **Mode** 1 time.

dipsw-3 11000000

7. Press **Original** to change the setting to "0".

dipsw-3 10000000

Note: To return the fax to the initial setting, press **Original** again to change the setting back to "1".

8. Press Start/Copy.

dipsw-4 01101000

9. Press Stop to save the new setting and return to standby.

FCC and DOC Information

FCC Regulations

Ringer Equivalence Number: 2.5dB

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

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

Caution: Muratec is responsible for FCC Part 15 compliance. In accordance with FCC Part 15, paragraph 15.21, changes or modifications not expressly approved by Muratec could void the user's authority to operate this equipment.

Type of Service

Your fax is designed for use on standard device telephone lines. Your fax connects to the telephone line with a standard jack called the USOC RJ-11C. Connection to telephone company-provided coin service (central office implemented systems) is prohibited. Connection to party line service is subject to State tariffs.

Telephone Company Procedures

The goal of the telephone company is to provide you with the best service it can. In order to do this, it may occasionally be necessary for them to make

changes in their equipment, operations, or procedures. If these changes might affect your service or the operation of your equipment, the telephone company will give you notice, in writing, to allow you to make any changes necessary to maintain uninterrupted service.

If you have any questions about your telephone line, such as how many pieces of equipment you can connect to it, the telephone company will provide this information upon request.

In certain circumstances, it may be necessary for the telephone company to request information from you about the equipment which you have connected to your telephone line. Upon request of the telephone company, provide the FCC registration number and the ringer equivalence number (REN) of the equipment which is connected to your line. Both of these numbers are listed on the equipment label attached to your fax machine.

The sum of all RENs on your telephone line should be fewer than five (5) in order to assure proper service from the telephone company. Sometimes, a sum of five (5) may not be usable on a given telephone line.

Note: This equipment is hearing-aid compatible (HAC).

Notice: The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone fax machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it was sent and an identification of the business or other identity, or other individual sending the message and the telephone number of the sending machine or such business, entity or individual.

If Problems Arise

If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network. If the telephone company notes a problem, they may temporarily stop service. When practical, they will notify you before this disconnection. If advance notice is not feasible, you will be notified as soon as possible. When you are notified, you will be given the opportunity to correct the problem and will be informed of your right to file a complaint with the FCC.

In the event repairs are ever needed on your fax, they should be done by Muratec Business Systems, Inc., or an authorized representative of Muratec Business Systems, Inc. For information, contact the Muratec Customer Support Center.

DOC Regulations

DOC Load Number: 30

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

NOTICE: The Canadian Department of Communications label identifies certified equipment. This certification means the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. Sometimes, the company's inside wiring associated with a single line individual service may be extended with a certified connector assembly (telephone extension cord). The customer should be aware that compliance with these conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any equipment malfunctions or repairs or alterations made by the user to this equipment may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician.

The Load Number assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device to prevent overloading. The termination on a loop may consist of any combination

of devices subject only to the requirement that the total of the load numbers of all the devices does not exceed 100.

The DOC Load Number for your fax is 30.

Warranty

This warranty is made by Muratec. This warranty is valid only on Muratec products purchased and used in the United States of America. This warranty applies to the product only while owned and used by the original purchaser (hereinafter referred to as the "Customer"). If ownership of the product is transferred, this warranty terminates. This warranty does not apply to any product in use for rental purposes.

This Muratec product is warranted against defects in material and workmanship for ninety (90) days commencing the date of original Customer purchase. If the product is defective in material and/or workmanship (normal wear and tear excepted) during the warranty period, Muratec or its authorized representative will, during Muratec's established service availability hours, make necessary adjustments and repairs, including at Muratec's option installation of replacement parts. Muratec's service availability hours are 8:30 a.m. to 5 p.m. Monday through Friday, excluding Muratec-recognized holidays. Muratec will complete the necessary adjustment and repairs within a reasonable time period, as dictated by the nature of the problem and by Muratec's service schedule. Replacement parts may have been used and/or reconditioned. Parts that have been replaced will remain the property of Muratec. This warranty is subject to the OBLIGATIONS and EXCLUSIONS set forth.

OBLIGATIONS

1. This warranty will be honored only on presentation of the original dated authorized Muratec bill of sale or Muratec dealer bill of sale or sales slip to an authorized Muratec service representative or service center. For the name of your nearest authorized Muratec service center, contact Muratec's toll-free telephone number, 1-800-347-1395.
2. During the warranty period, the Customer must notify Muratec by telephone of any defective product material and/or workmanship.
3. Transportation (including prepayment of freight and insurance charges) of the product to and from an authorized Muratec service center, designated by Muratec, is the responsibility of the Customer.
4. If Muratec provides maintenance or responds to a call which is outside the scope of this warranty, such maintenance shall be billed to the Customer at Muratec's then current rates for maintenance and parts and shall be due and payable in full upon receipt of invoice.

EXCLUSIONS

1. This warranty shall not cover a product with missing or altered original identification marks.
2. This warranty applies only to products that the purchaser has properly installed, adjusted and operated in accordance with the instructions set forth in or provided with product literature. This warranty does not apply to any product which has been subjected to tampering, alteration, misuse, abuse, neglect, improper installation, or transportation damage. Nor does it apply to costs for any service requested for demonstration or to confirm proper operation of this product.

3. This warranty shall not apply to adjustments, repairs or replacements necessitated by any cause beyond the control of Muratec (whether foreseeable or not) including, but not limited to, any malfunction, defects or failure caused by or resulting from any of the following: improper unpacking or installation, unauthorized service or parts, or improper maintenance or cleaning, modification or repair by the Customer, accident (including without limitation, unavoidable accident(s), fire, flood or other acts of God, improper telephone or electrical power or surge thereof, interconnection with or use of non-compatible equipment or supplies (including paper), or placement of the product in an area which does not conform to Muratec space, electrical and/or environmental requirements.

4. Muratec will not be required to make adjustments, repairs or replacements if the product is installed or used at a location deemed by Muratec to be hazardous to health or safety, or if Muratec is not provided with free and reasonable access to the product and a telephone during service availability hours, or if the product location is not accessible by an authorized Muratec service vehicle.

EXCEPT AS EXPRESSLY SET FORTH ABOVE, AND EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, MURATEC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTY ARISING FROM COURSE OF DEALING OR USAGE OF TRADE), AND MURATEC EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED HEREIN. IN THE EVENT THE PRODUCT IS NOT FREE FROM DEFECTS AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE REPAIR OR REFUND AS PROVIDED ABOVE. UNDER NO CIRCUMSTANCES SHALL MURATEC BE LIABLE TO THE CUSTOMER, OR TO ANY USER, FOR ANY DAMAGES, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, EXPENSES, LOST PROFITS, LOST SAVINGS OR ANY OTHER DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE MURATEC PRODUCT, EVEN IF MURATEC OR ITS REPRESENTATIVES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some States do not allow the exclusion or limitation of incidental or consequential damages, and some States do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions 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.