AT&T

Two-Line Telephone 712

Owner's Manual

DIAL MODE

This telephone has a selectable push-button dial and will work with either tone or rotary telephone service. It can be set to work directly with long-distance or certain other services that require tone signaling including some tone activated computer systems.

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Important Safety Information

Always follow basic safety precautions when using this product to reduce risk of injury from fire or electric shock.

1. **Read and understand all instructions** in the owner's manual.
2. **Observe all warnings and instructions** marked on the product.
3. **Unplug this product from wall outlets and telephone jacks before cleaning.** Clean exposed parts with a soft, damp cloth. Do not use liquid or aerosol cleaners.
4. **Do not use the product near water, or when you are wet.** For example, do not use it in a wet basement or near a swimming pool, bathtub, shower, kitchen sink, wash bowl, or laundry tub. If the product comes in contact with any liquids, unplug the line cords immediately. Do not plug the product back in until it has been dried thoroughly.
5. **Install this product securely on a stable surface.** Serious damage may result if the product falls.
6. **Install this product in a protected location** where no one can step on or trip over the line cord. Do not place objects on the cord that may cause damage or abrasion.
7. **If this product does not operate normally, see "In Case of Difficulty" on page 29.** If you cannot resolve the problem, or if the product is damaged, refer to the AT&T Limited Warranty on page 31. Do not open the product except to replace batteries. Opening the product or reassembling it incorrectly may expose you to dangerous voltages or other risks.
8. **During thunderstorms, avoid using telephones except cordless models.** There may be a slight chance of electric shock from lightning.
9. **Do not use a telephone in the vicinity of a gas leak.** If you suspect a gas leak, report it immediately, but use a telephone away from the area where gas is leaking.
10. **Unplug all cords** before replacing batteries.
11. **Do not burn or puncture used batteries.** Batteries contain chemicals that may be hazardous.
12. **Never attempt to recharge batteries not designed for this purpose;** use only the type of batteries indicated on page 8.
13. **Do not touch battery terminals.** There may be a low voltage present that could cause burns or electric shock.

SAVE THESE INSTRUCTIONS

Introduction

About Your New Two-Line Telephone 712

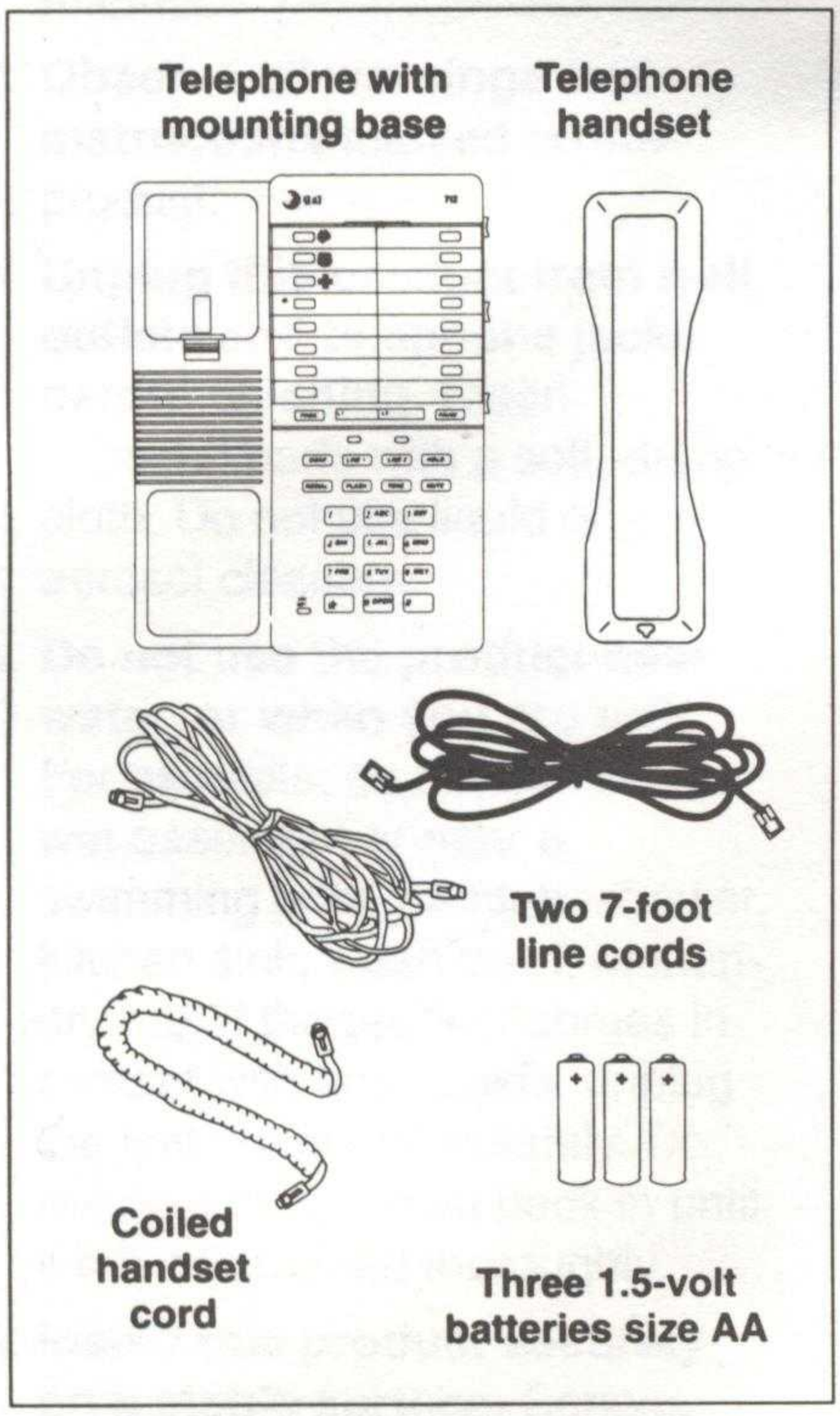
Congratulations on the purchase of your new AT&T Two-Line Telephone 712. It has been designed to exacting AT&T standards to give you convenient and reliable service.

This telephone allows you to make and receive calls on either of two lines, or to participate in a conference call using both lines at once. Up to 16 numbers can be stored in memory. Each can be dialed with one touch of a button. For added convenience, you can automatically redial the last number you manually dialed. Also, you can put the line on "hold" so that you can easily switch to the other line on this phone or step away from the phone to go to an extension phone.

This two-line telephone offers many other convenient features not found on standard telephones. For your convenience we have included a "Quick Start" section beginning on page 6. It briefly explains installation and operation of your new two-line telephone. However, we suggest you read this owner's manual carefully to familiarize yourself with all features and benefits of your phone. If you have any questions, call the **AT&T National Sales and Service Center at 1 800 222-3111.** The call is toll free, and we'll be glad to help.

Parts Checklist

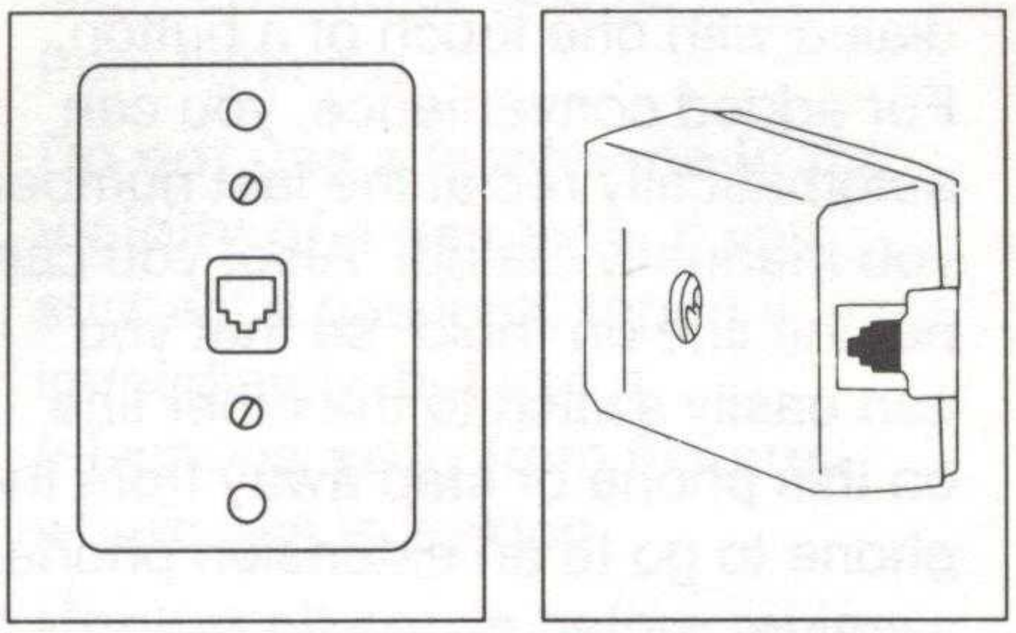
Remember to save your sales receipt in case you ever need warranty service, and make sure your telephone package includes the items shown below:



DO IT YOURSELF AND SAVE: AT&T offers a complete line of Do-It-Yourself products — including jacks, cords, and adapters — to make any telephone wiring job quick, safe, and inexpensive. Ask for them where you purchased your telephone, or call 1 800 222-3111.

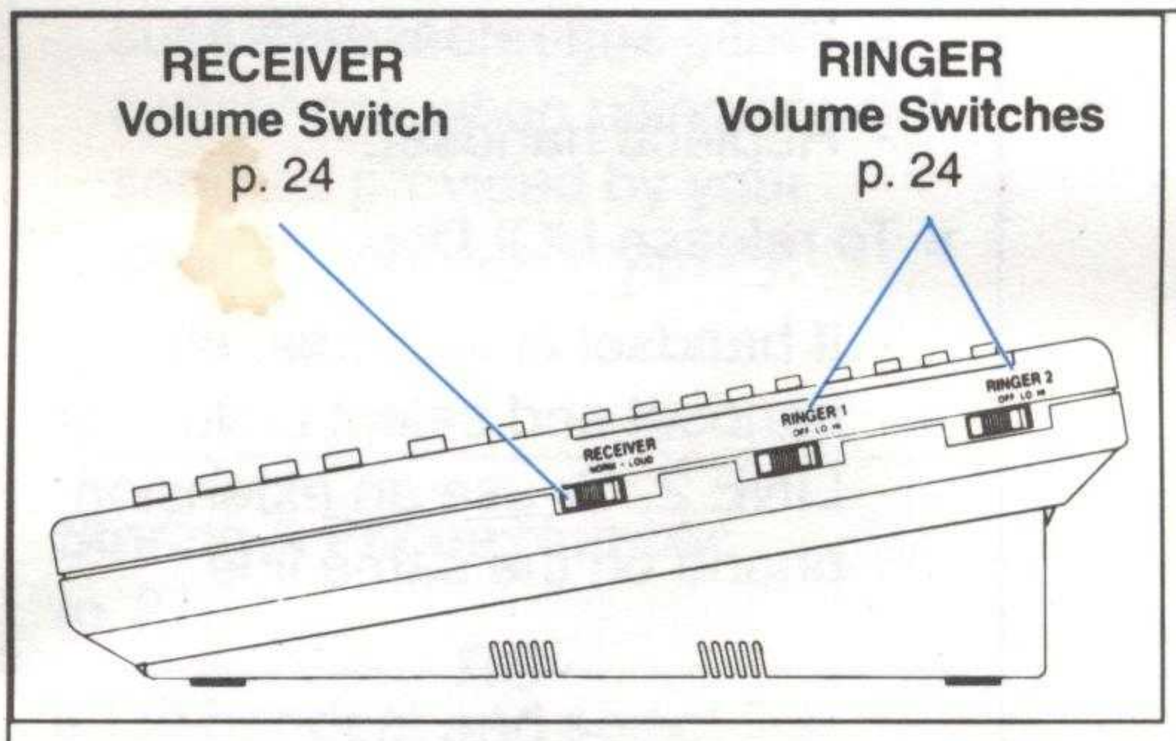
This telephone is hearing aid compatible.

Modular Jacks



Features

Top and Side



Quick Start

Here is a brief guide to the installation and operation of your AT&T Two-Line Telephone 712. For more detailed instructions, please see the pages indicated.

Table/Desk Installation Procedures (pp. 8-13)**:**

- Remove base and install batteries.
- Set Dial Mode switch to TONE or PULSE.
- Set LINE switch to 1 or 1 & 2.
- Connect handset and line cords.
- Attach base and install phone on table/desk.
- See page 14 for wall installation procedures.

Using Redial (p. 20)**:**

- Select line and lift handset.
- Press and release (*REDIAL*) to automatically redial the last number you manually dialed.

Using Hold (p. 21)**:**

- To place a call on HOLD:
  - Press and release (*HOLD*).
  - Replace handset.
- To release HOLD:
  - If handset is in cradle, lift handset and select LINE 1 or LINE 2. Or use an extension phone on the same line.

    OR
  - If handset is not in the cradle, select LINE 1 or LINE 2.

Making Conference Calls (p. 22)**:**

- To establish a conference call:
  - Make or answer a call and press (*HOLD*).
  - Establish a call on the other line.
  - Press and release (*CONF*).
- To end a conference call, press a line button and hang up. All parties will be disconnected.

Using Mute (p. 23)**:**

- Hold down (*MUTE*) to keep your caller from hearing anything you say.

Using Flash (p. 23):

- Press and release (FLASH) as a substitute for pressing the switchhook when using special services provided by your local telephone company.

Storing A Phone Number (p. 27):

- Lift handset and select line.
- Press and release (PROG).
- Enter the telephone number.
- Press and release memory button.
- Hang up.

Pre-Installation

1 Battery Installation

Before using the telephone, you should insert three AA batteries (supplied). The phone can be used without batteries to make and receive calls, but batteries are required to retain memory and power for other special features.

While replacing batteries, the memory will remain intact for five minutes without power. **If batteries are not replaced within five minutes, all numbers stored in memory may be lost.**

If the telephone has been wall mounted, follow the procedure on page 18 to disconnect and remove the telephone from the wall jack.

CAUTION: Always unplug line cord before installing new batteries.

To Install Batteries:

1. Turn the telephone upside down.
2. Push in on the triangle at the center of the large end of the base, and lift base off the phone (Figure 1).
3. Press button as shown and slide open battery compartment (Figure 2).
4. Insert three AA batteries into battery compartment (Figure 3). Always use three new batteries.
5. Close battery compartment. The red Line-In-Use lights will be on when batteries are installed correctly.

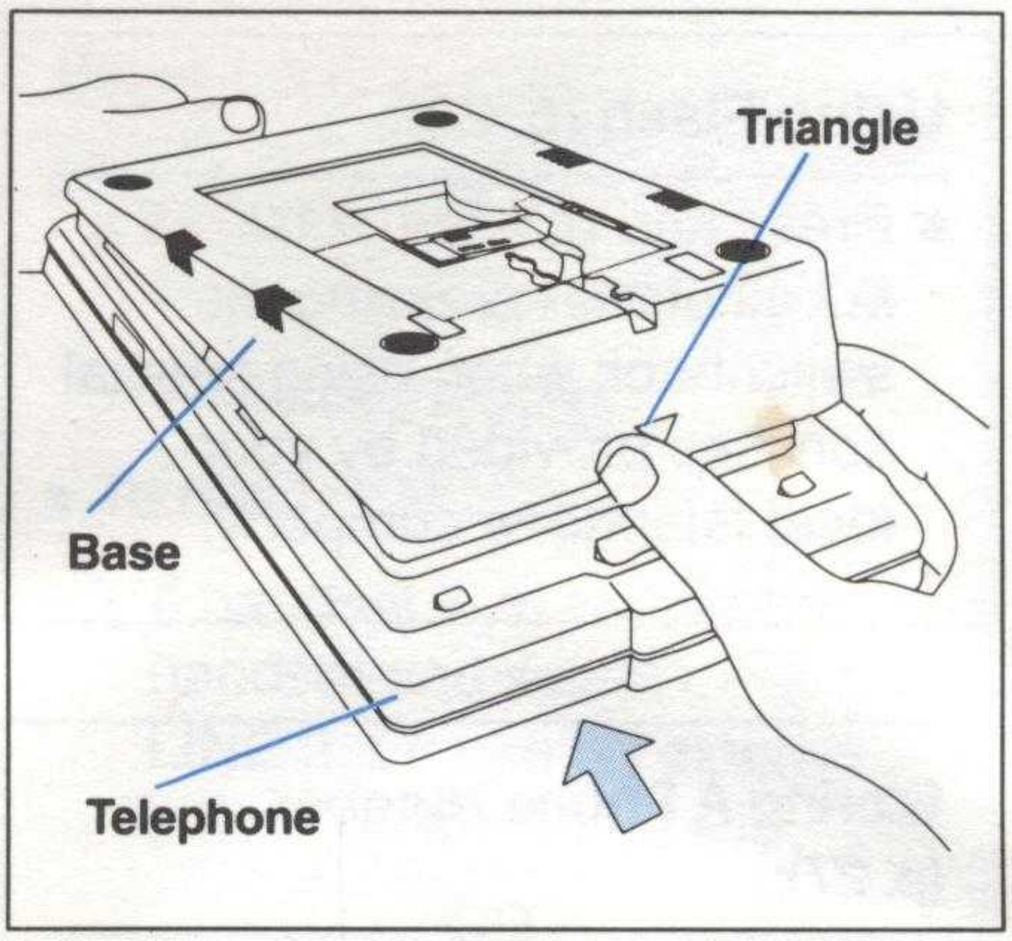


Figure 1

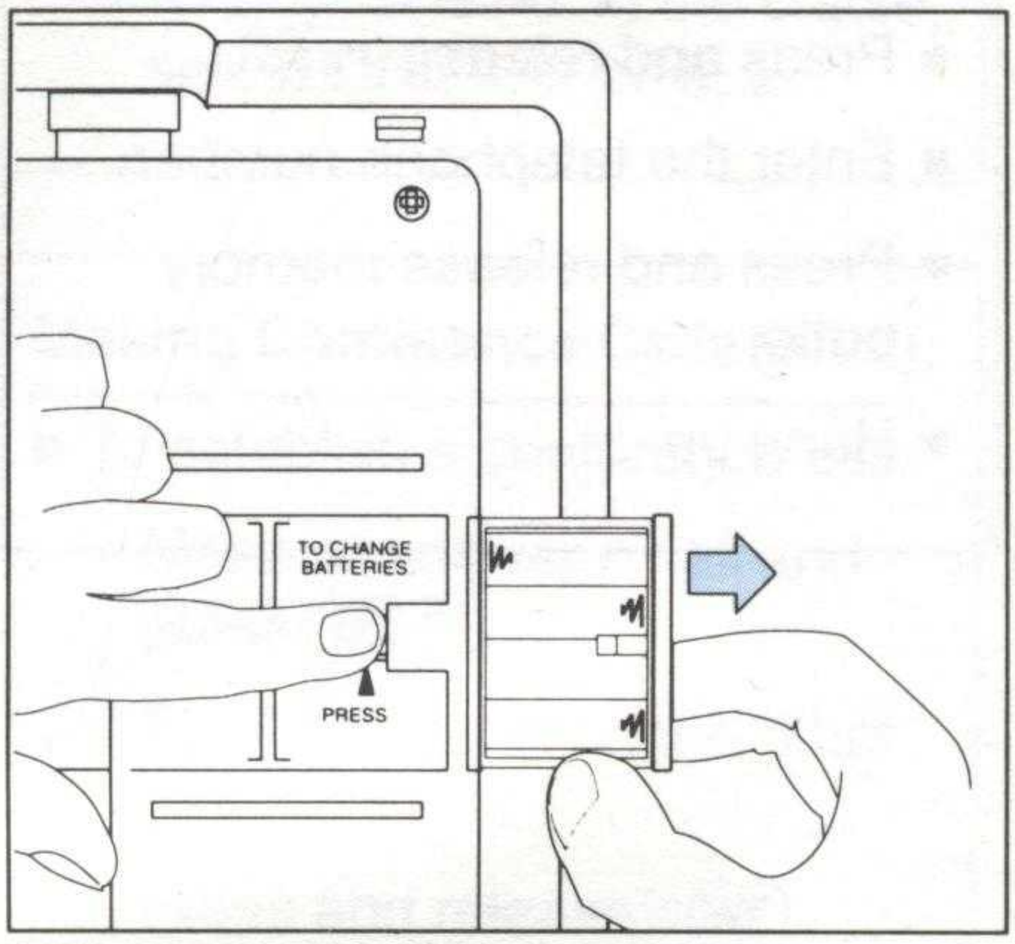


Figure 2

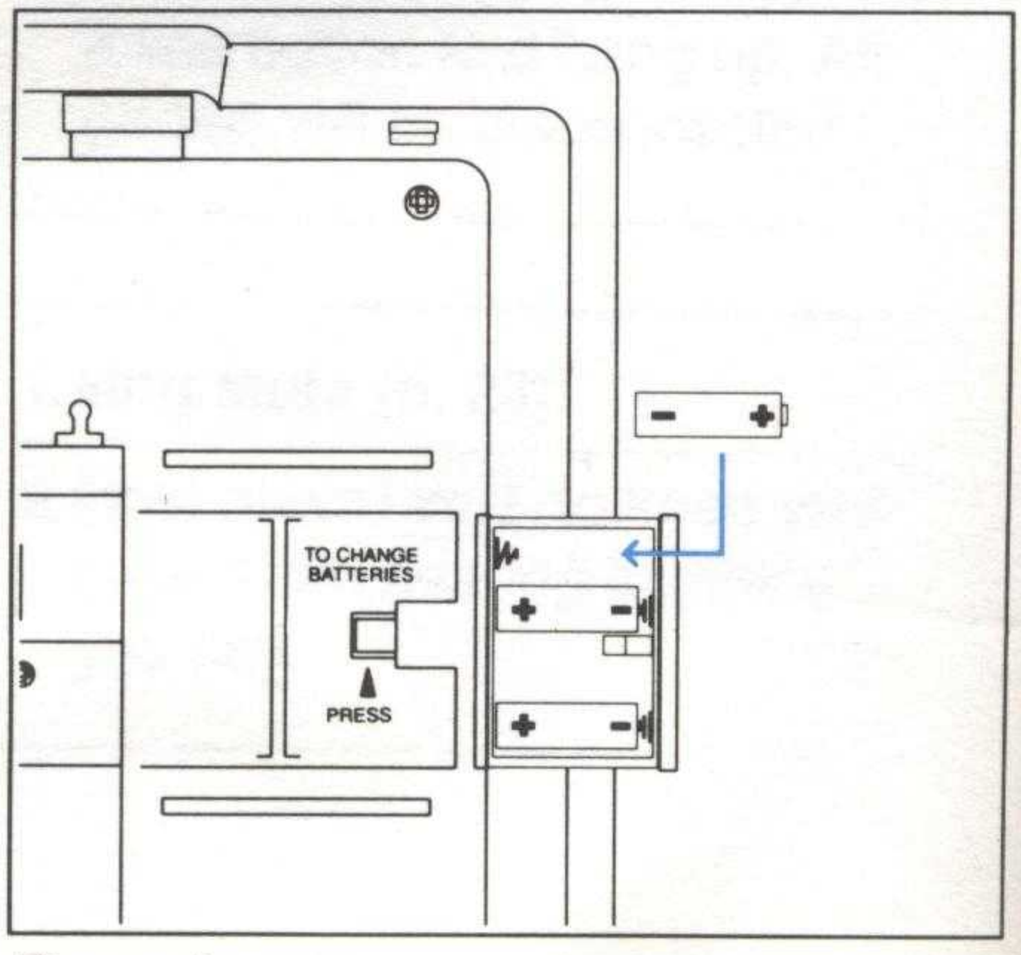


Figure 3

Pre-Installation *(continued)*

2 Dial Mode

Set the Dial Mode switch to TONE (touch tone) or PULSE (dial pulse/rotary) telephone service (Figure 1). Make sure you choose the correct dialing method; touch tone dialing will not work if you have dial pulse service. (See page 29 if you have difficulty when dialing.)

If you have both dial pulse and tone dialing service coming into your home, you should set the Dial Mode switch to PULSE.

To switch from pulse to tone dialing during a phone call, see "Temporary Tone Dialing" on page 25.

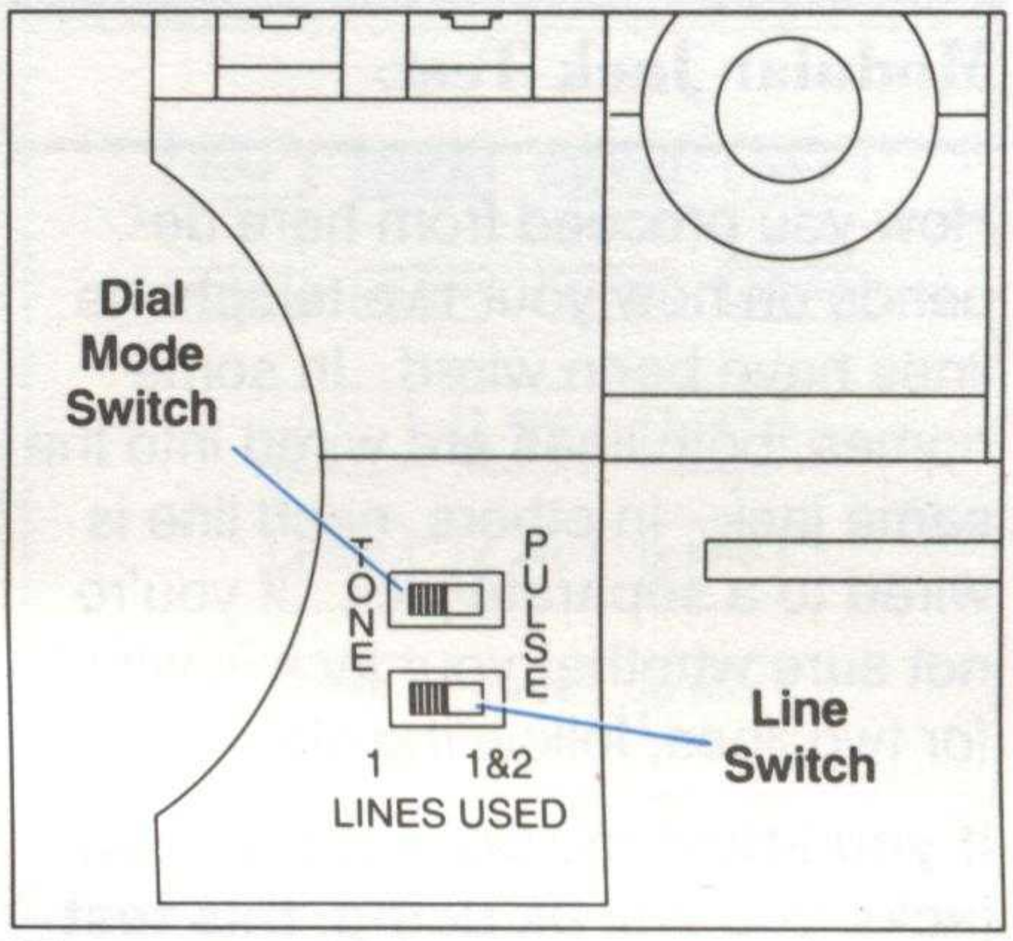


Figure 1

3 Line Selection

The Line switch on the underside of the phone is set according to the number of telephone lines that you will be connecting to the telephone.

If you have one telephone number (line), set the Line switch to 1; if you have two telephone numbers (lines), set the Line switch to 1 & 2 (Figure 1).

4 Telephone Jacks And Lines

If you have two different phone numbers coming from one jack, you're all set to proceed (turn to page 12). The telephone should be installed within 7 feet of the jack for table/desk installation. If the jack is more than 7 feet away, you'll need a longer line cord.

If you have two different phone numbers and two separate jacks, the telephone should be installed within 7 feet of **both** jacks. *If either jack is more than 7 feet away, you'll need longer line cord(s).* If you have older jacks, you'll need to buy a modular jack adapter.

If you have only one telephone number, you can have another line installed. If you prefer to have both lines in the same jack, a two-line RJ-14 jack can also be installed.

If you are not sure if your jack is wired for two lines (both phone numbers may or may not be coming from one jack), perform the modular jack test on page 10.

> **NOTE:** To use both lines of a two-line telephone, two telephone numbers (lines) must be provided by your local telephone company.

(Continued)

Pre-Installation *(continued)*

Modular Jack Test

How you proceed from here depends on how your two telephone lines have been wired. In some homes, both lines are wired into the same jack. In others, each line is wired to a separate jack. If you're not sure whether your jack is wired for two lines, follow the steps below.

If you know the type of modular jacks you will be using, this test is not necessary.

1. Insert the 7-foot line cord with **clear** modular plugs into the left jack labeled "L1 OR L1/L2" on the underside of the telephone (Figure 1). Insert the other end into the modular jack you intend to use.
2. Plug the coiled cord into the handset jack on the side of the phone. Plug the other end of the coiled cord into the handset (Figure 2), and then hang up.

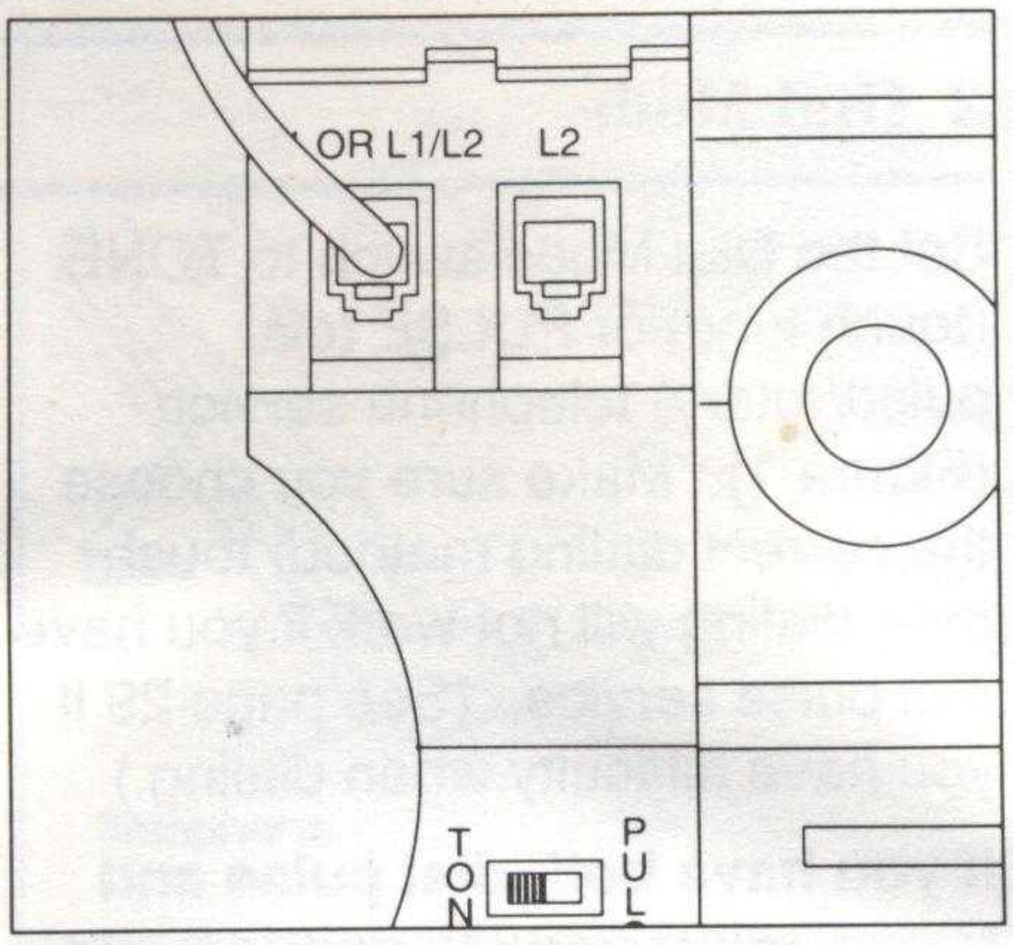


Figure 1

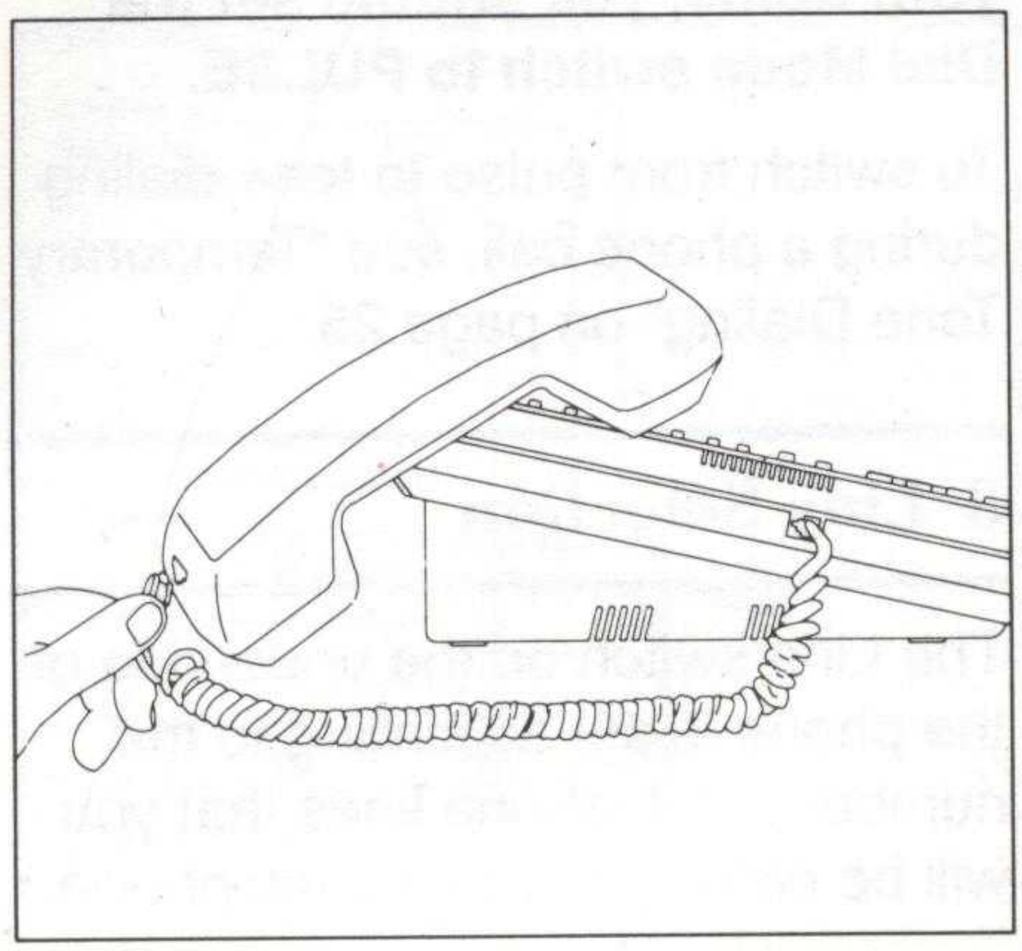


Figure 2

Pre-Installation *(continued)*

3. Hold down the switchhook for a few seconds, and then release it. Select (*LINE 1*), lift handset, and listen for a dial tone. Then press (*LINE 2*) (Figure 1) and listen again.
   - **If you hear a dial tone on both lines,** the jack you've chosen is wired for two lines (two different phone numbers coming from one jack). You should use Option A, "Two-Line Jack," on page 12 for table/desk installation or page 14 for wall installation. Disconnect the line cord from the phone and modular jack.
   - **If you hear a dial tone on only one line,** the jack has only one line. Locate the jack for your other line; you will have to use Option B, "Two Separate Jacks," on page 13 for table/desk installation or page 16 for wall installation. Then disconnect the line cord from the phone and modular jack.
4. Unplug the coiled cord from the handset jack on the side of the phone. Disconnect the handset from the coiled cord.

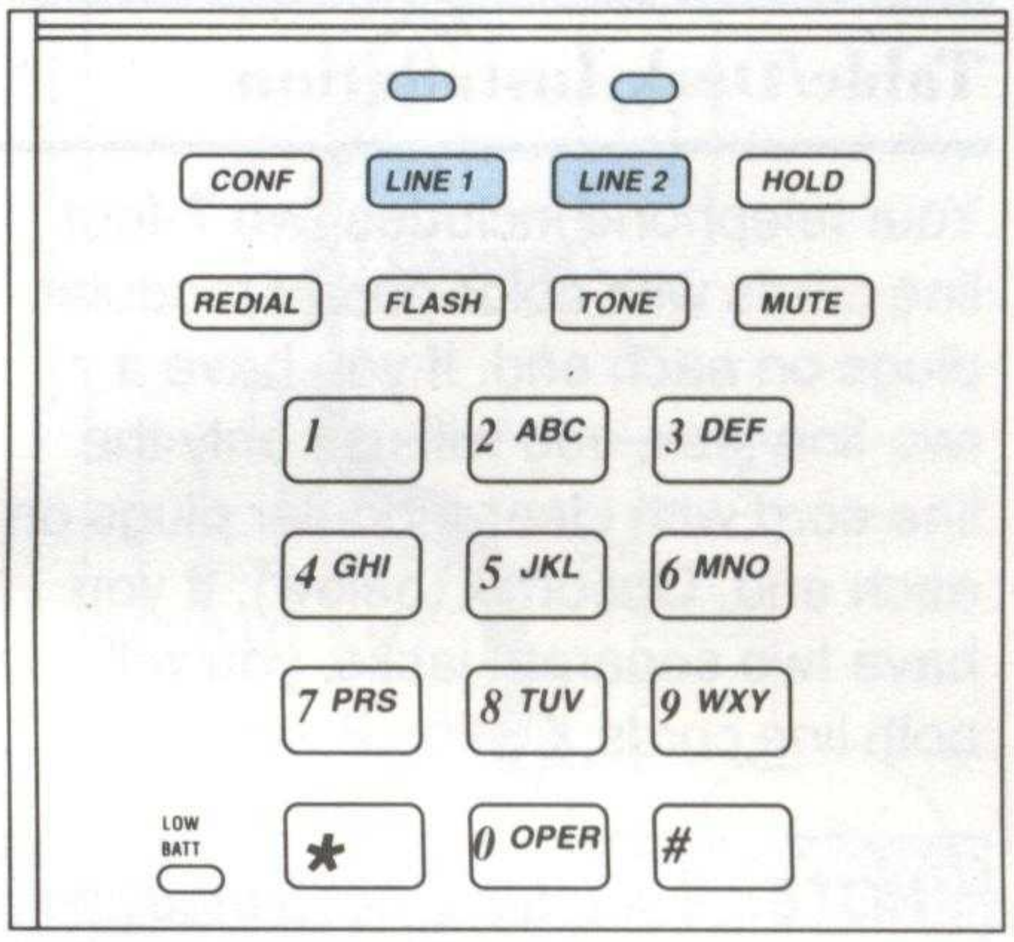


Figure 1

NOTE: If you can't hear a dial tone on either line, there is a problem. Turn to page 29 and try to correct it before continuing.

Installation

Table/Desk Installation

Your telephone includes two 7-foot line cords with color-coded modular plugs on each end. If you have a two-line jack, you will use only the line cord with clear modular plugs on each end, Option A (below). If you have two separate jacks, you will use both line cords, Option B, on page 13.

NOTE: If you have not already done so, complete the Pre-Installation procedures beginning on page 8 before continuing.

1. Connect line cords to telephone and modular jack (select Option A or B)

Option A. Two-Line Jack:
Turn the base so that the larger end is toward the **top** of the telephone. Reinstall the base by inserting the bottom tabs into the phone slots (Figure 1). Then push in on the triangle at top center of the base to lock the phone into place.

Insert the 7-foot line cord that has **clear** plugs into the left jack labeled **L1 OR L1/L2** on the under-side of the telephone. Then feed the line cord through the channel (Figure 2). The telephone should sit flat on your table or desk during use.

Plug the free end of the line cord into a modular baseboard jack. Make sure the cord snaps firmly in place (Figure 3). Go to Step 2 to continue installation procedures.

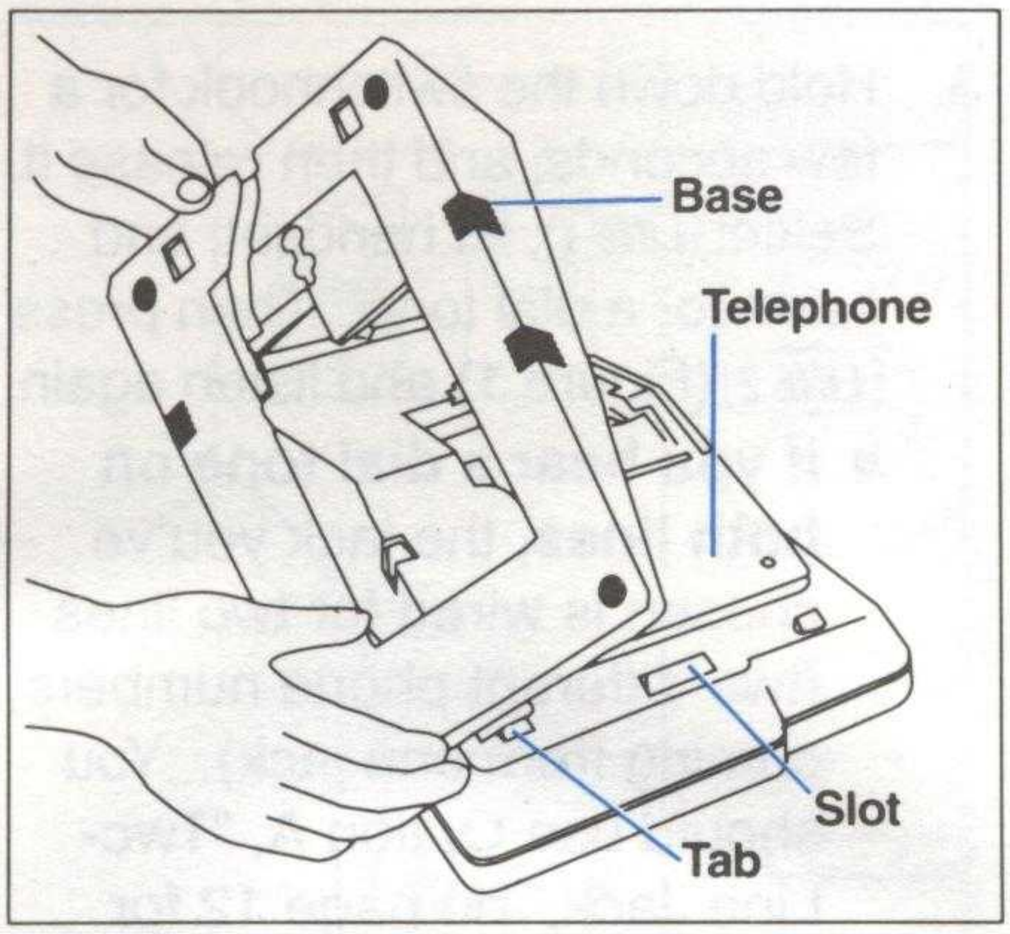


Figure 1

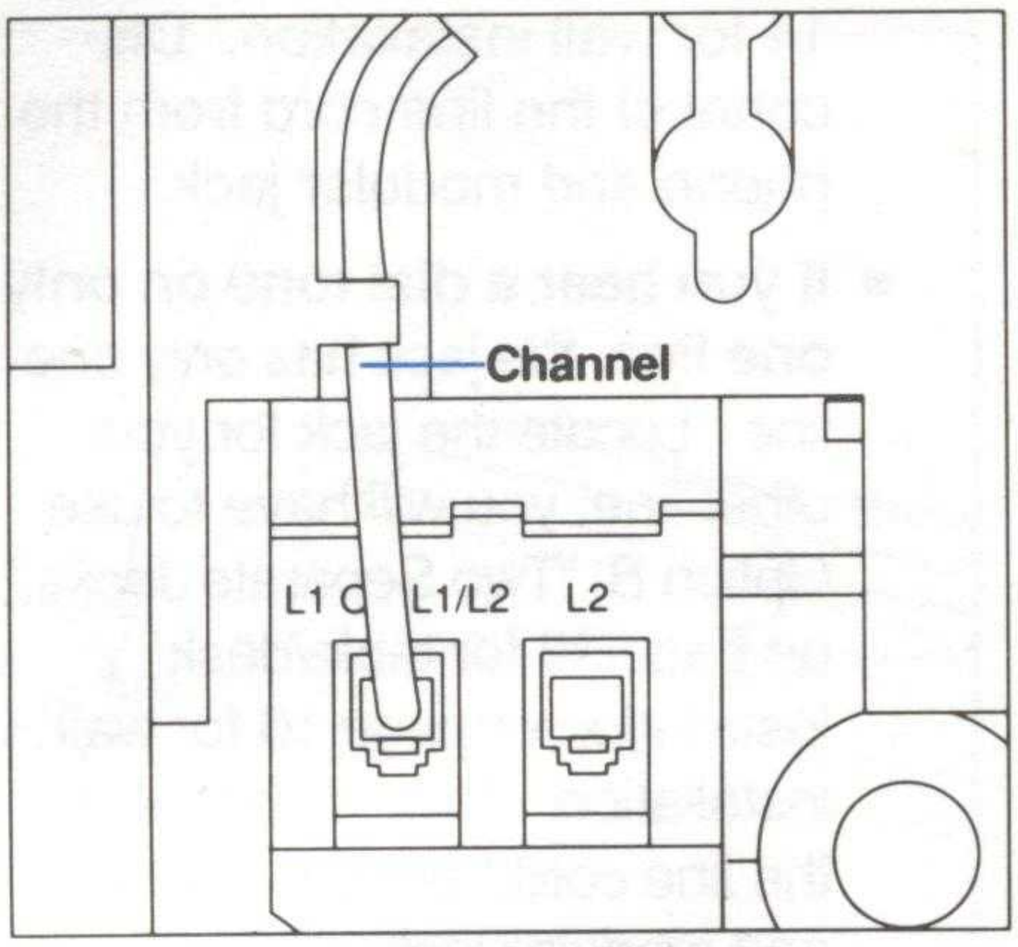


Figure 2

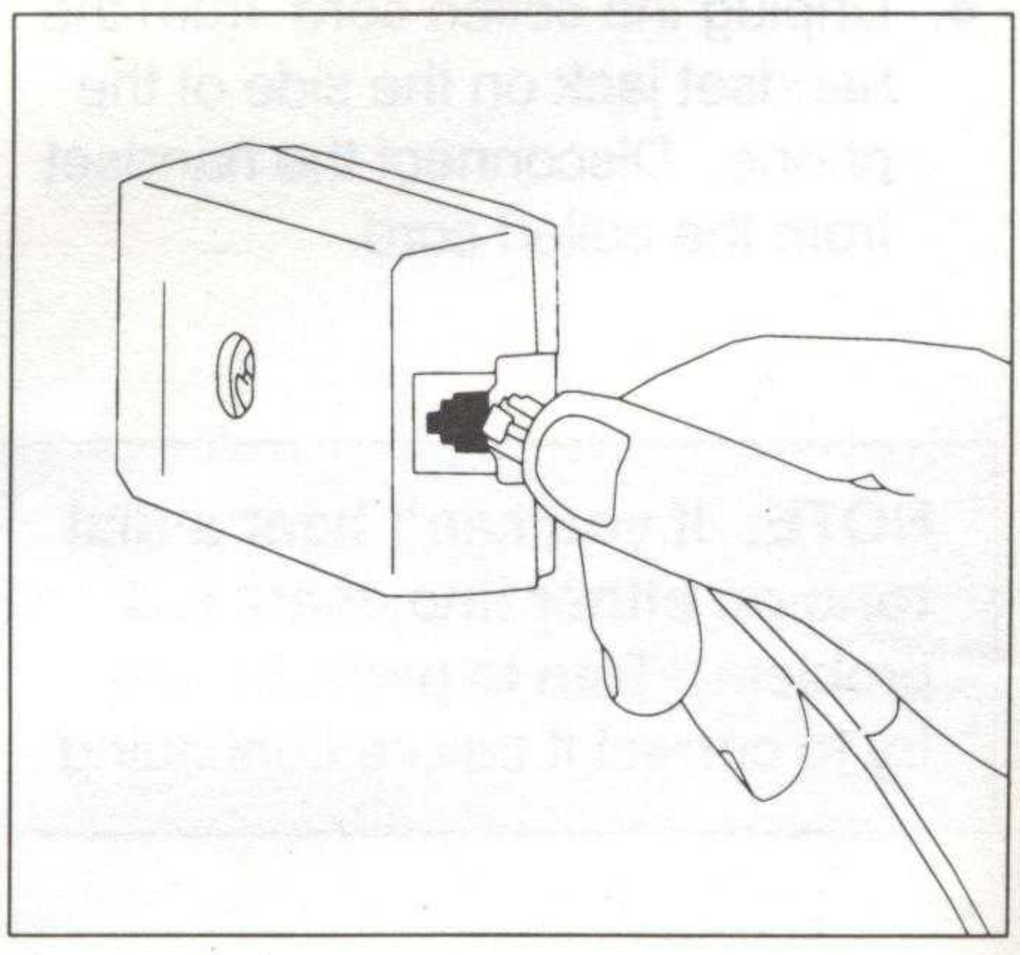


Figure 3

Option B. Two Separate Jacks: Turn the base so that the larger end (with triangle) is toward the **top** of the telephone (see Figure 1 on page 12). Reinstall the base by inserting the bottom tabs into the phone slots. Then push in on the triangle at top center of the base to attach base to telephone. Insert the 7-foot line cord that has **blue** plugs into the left jack labeled **L1 OR L1/L2** on the underside of the telephone. Insert the other line cord (with **clear** plugs) into the right jack labeled **L2**. Then feed each line cord through the channel (Figure 1). The telephone should sit flat on your table or desk during use.

Plug the free end of the line cord with **blue** plugs into the modular jack containing the telephone number for Line 1.

Plug the free end of the other line cord with **clear** plugs into the modular jack for Line 2. Make sure line cords snap firmly in place.

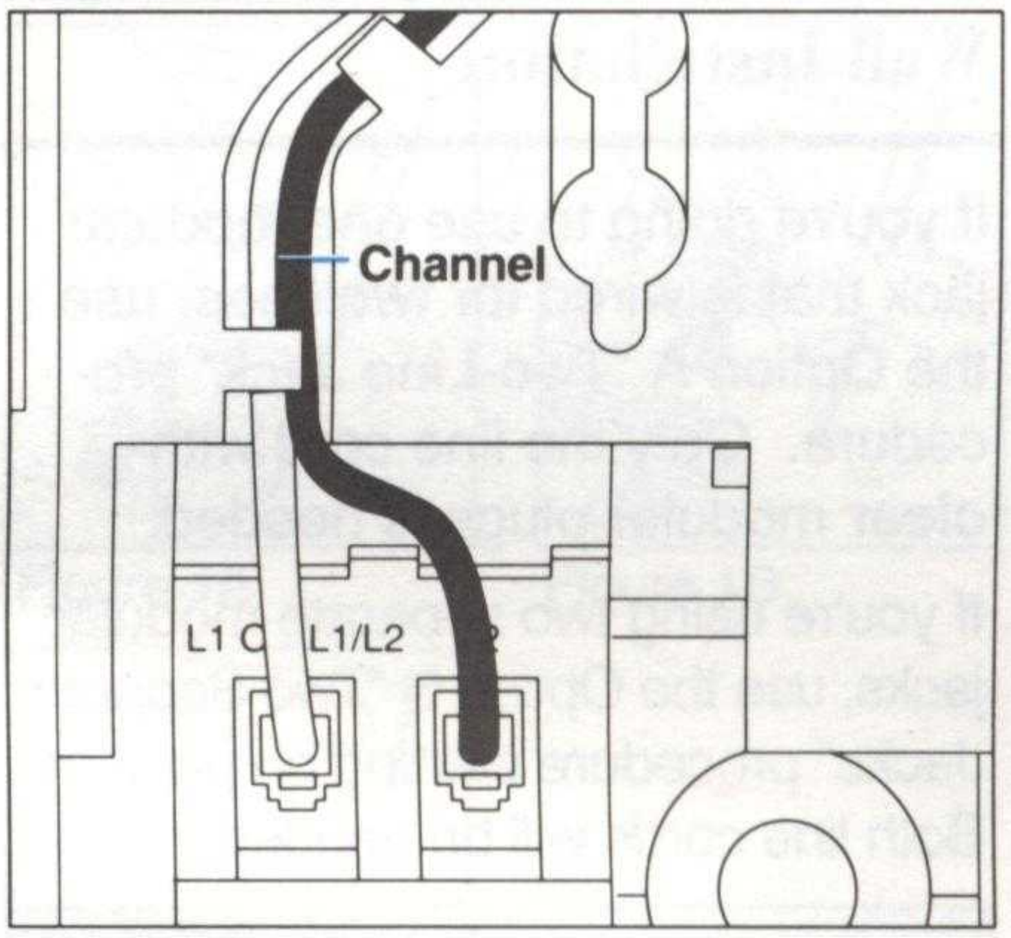


Figure 1

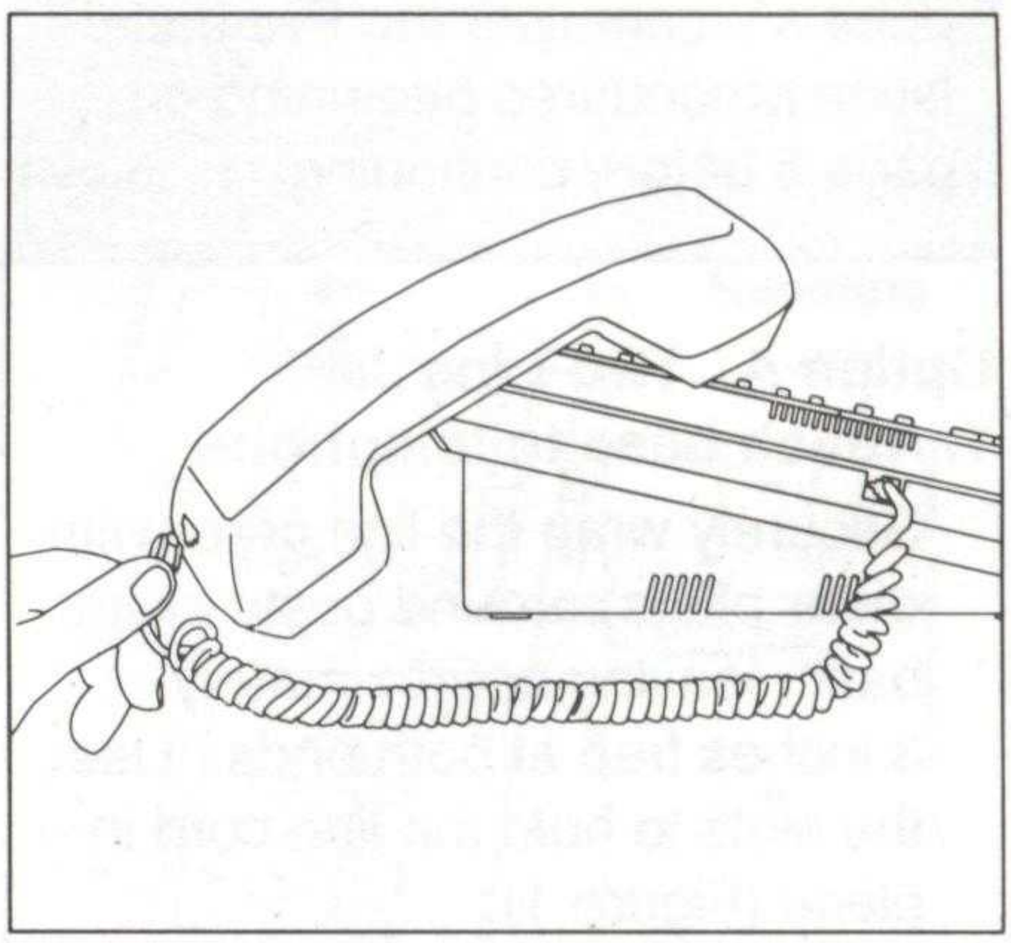


Figure 2

2. **Connect handset to telephone**
   Plug the coiled cord into the handset jack on the side of the phone. Plug the other end of the coiled cord into the handset (Figure 2), and then hang up.

3. **Check for dial tone**
   Lift the handset, press LINE 1, and listen for dial tone. Then press LINE 2. If you can't hear a dial tone, turn to page 29.

4. **Confirm Lines 1 and 2**
   To determine which line is which, press LINE 1 and call one of your telephone numbers. If you hear a busy signal, Line 1 is the number you called. If Line 2 rings, it is the number you called.

TO DISCONNECT the telephone, squeeze the clip on the modular plug(s) and pull it out of the jack(s).

Installation *(continued)*

Wall Installation

If you're going to use one modular jack that is wired for two lines, use the Option A "Two-Line Jack" procedure. Only the line cord with **clear** modular plugs is needed.

If you're using two separate modular jacks, use the Option B "Two Separate Jacks" procedure starting on page 16. Both line cords will be needed.

NOTE: If you have not already done so, complete the Pre-Installation procedures beginning on page 8 before continuing.

Option A. Two-Line Jack:

1. Attach base to telephone

Securely wrap the line cord (with **clear** plugs) around posts inside base, leaving approximately 3 inches free at both ends. Use the slots to hold the line cord in place (Figure 1).

Turn the base so that the larger end is toward the **bottom** of the telephone. Reinstall the base by inserting the top tabs into the phone slots. Then push in on the triangle at bottom center of the base to lock the phone into place (Figure 2). Plug one end of the line cord into the left jack labeled **L1 OR L1/L2** on the underside of the telephone (Figure 3).

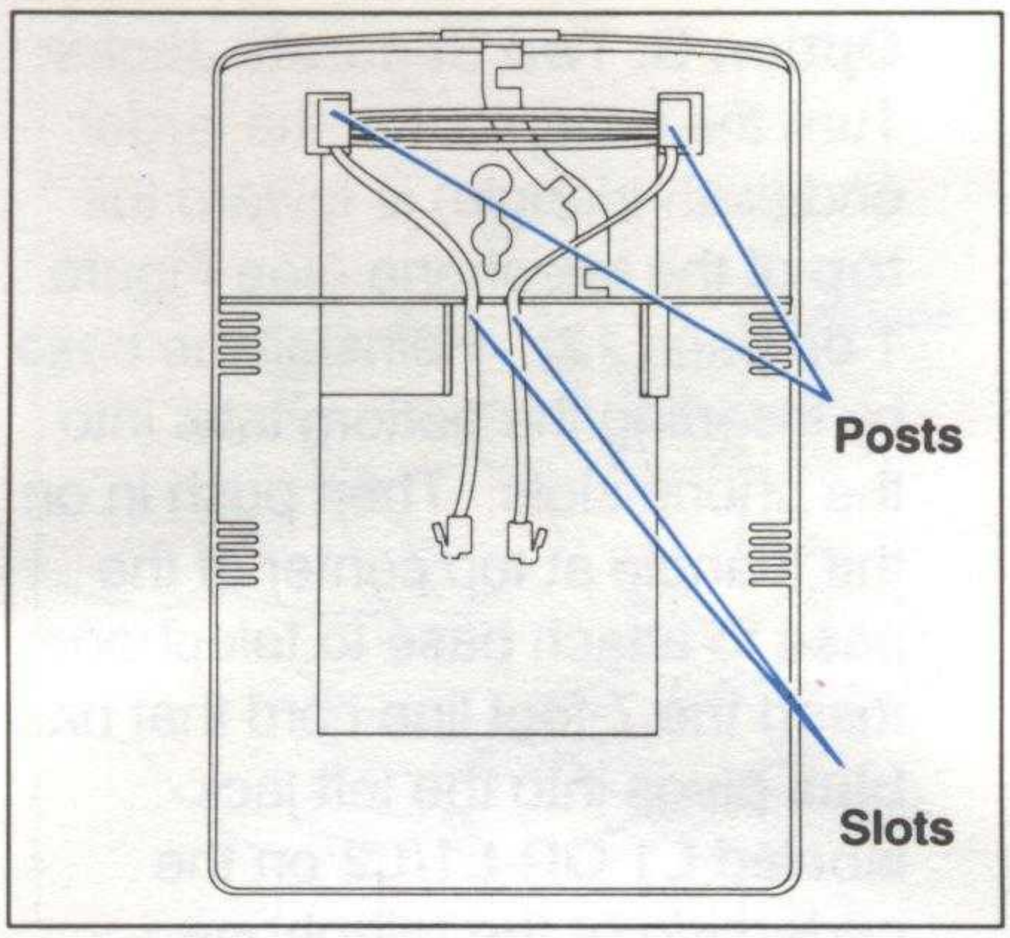


Figure 1

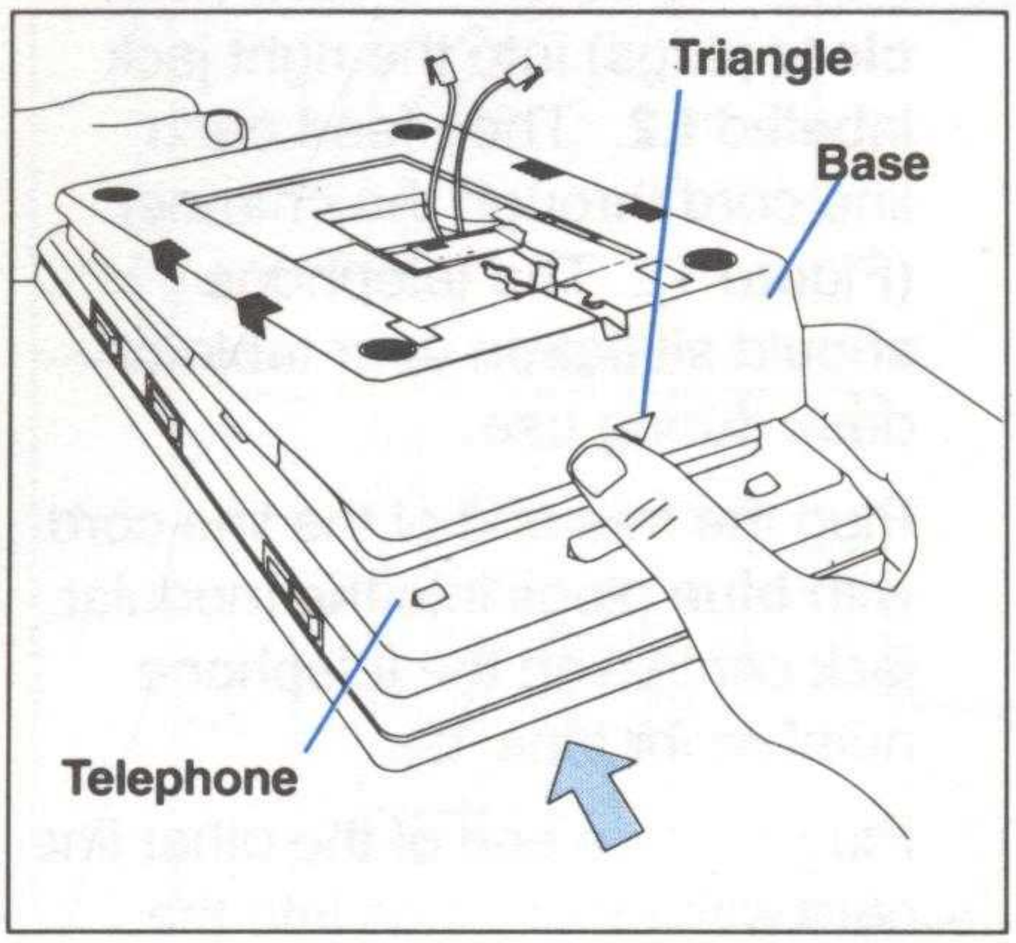


Figure 2

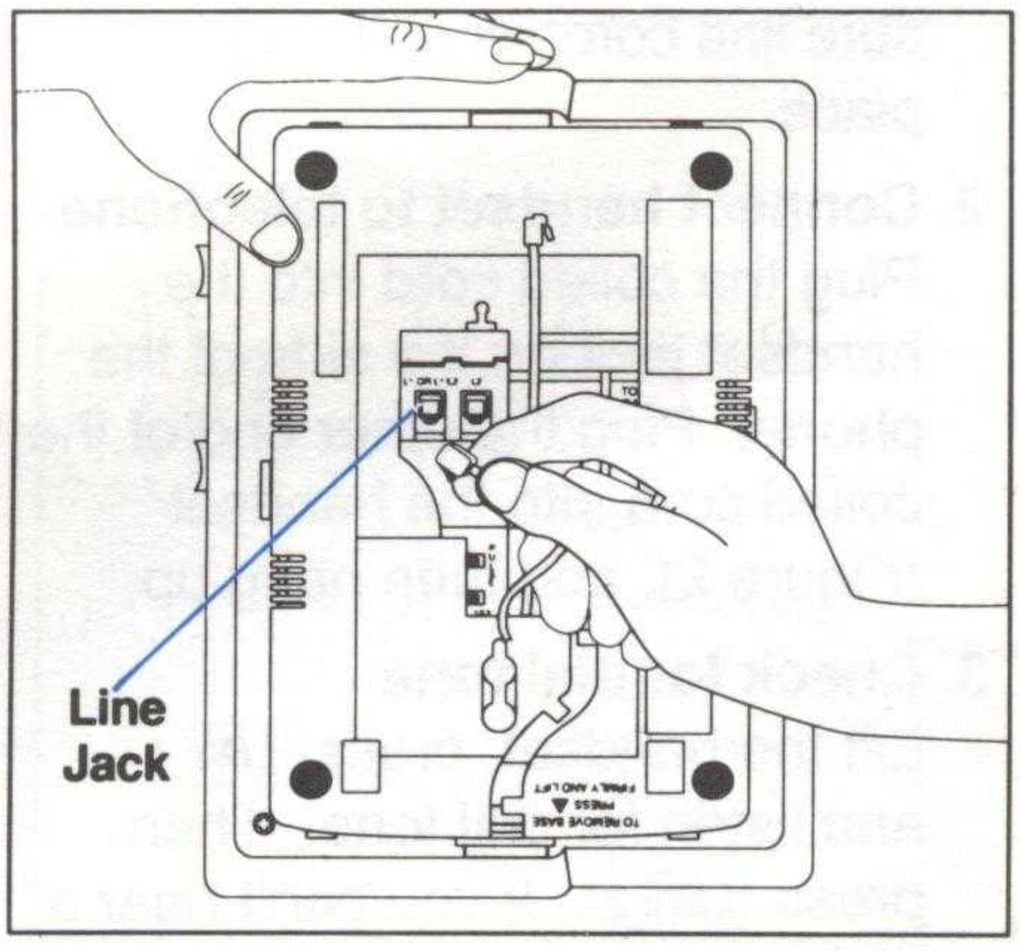


Figure 3

Installation *(continued)*

2. Reverse handset tab

To mount the telephone on a wall, you must reverse the handset tab. This tab holds the handset when you hang up.

Hold down the switchhook, and slide the tab up and out of its slot (Figure 1A). Turn the tab (Figure 1B) so that the curved end is up. Then insert the tab back into its slot (Figure 1C).

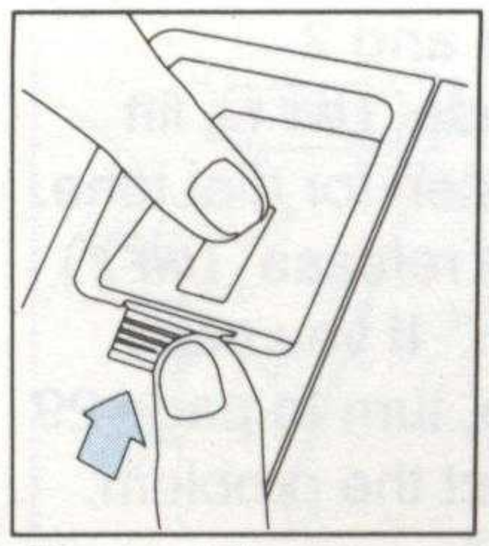


Figure 1A

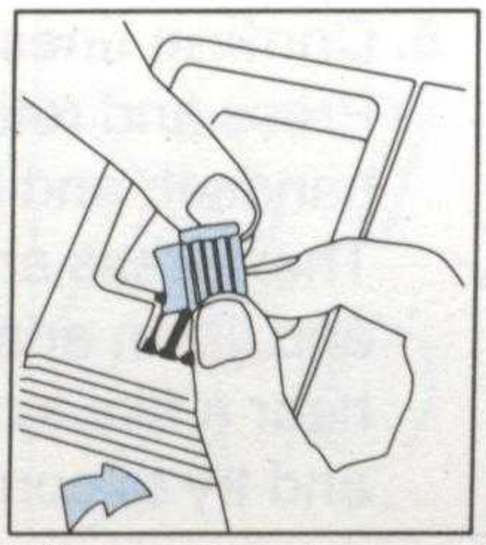


Figure 1B

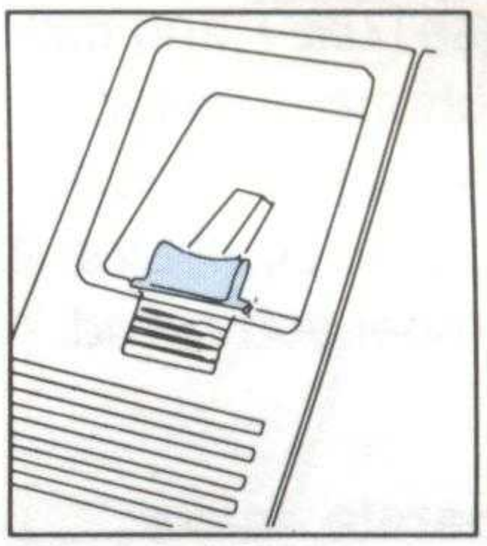


Figure 1C

3. Place phone on wall jack

Plug free end of line cord into the modular wall jack. Place the phone on both wall jack mounting studs and pull down until it is held securely (Figure 2).

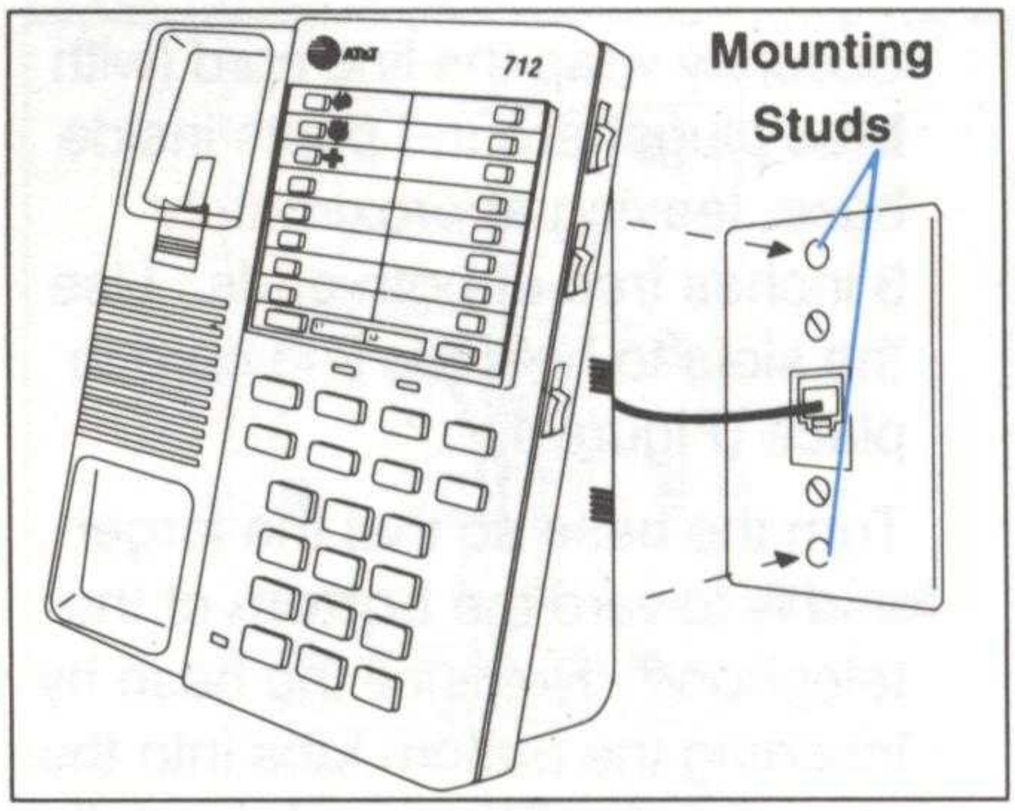


Figure 2

4. Connect handset to telephone

Plug one end of the coiled cord into the handset jack on the side of the telephone. Plug the free end of the coiled cord into the handset and then hang up (Figure 3).

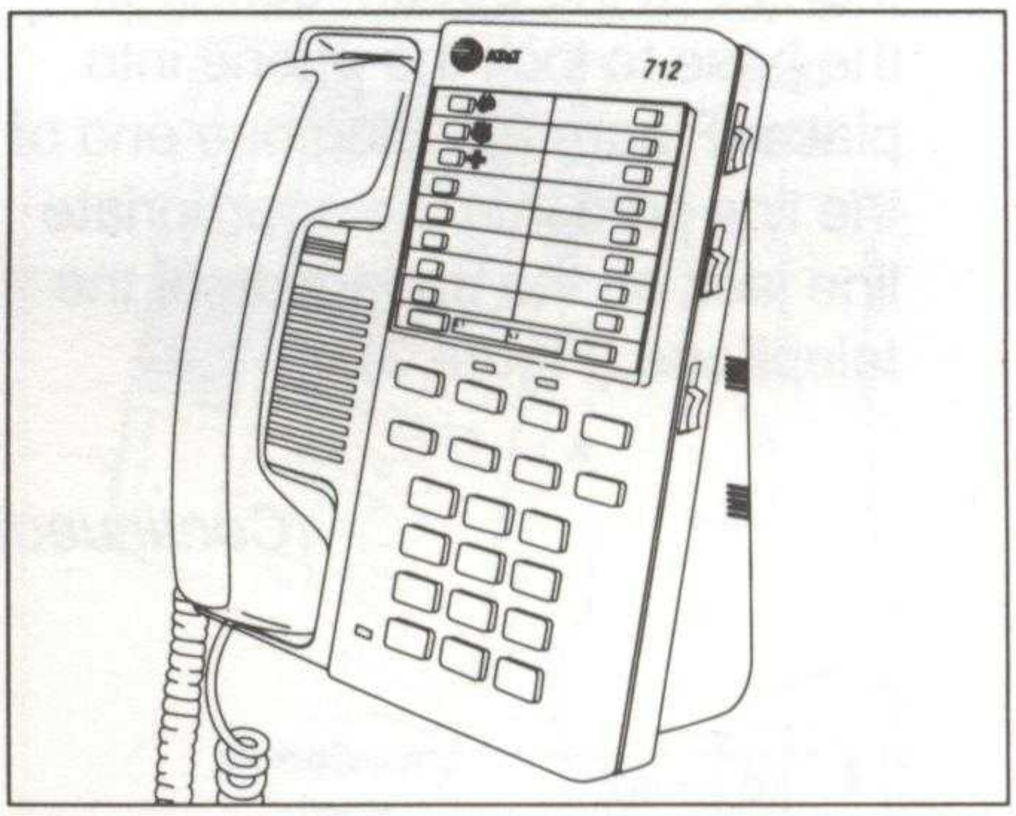


Figure 3

Installation *(continued)*

5. Confirm lines 1 and 2

Press and release LINE 1, lift handset, and listen for dial tone. Then press and release LINE 2 and listen again. If you can't hear a dial tone, turn to page 29 and try to correct the problem.

To determine which line is which, press and release LINE 1 and call one of your telephone numbers. If you hear a busy signal, Line 1 is the number you called. If Line 2 rings, it is the number you called.

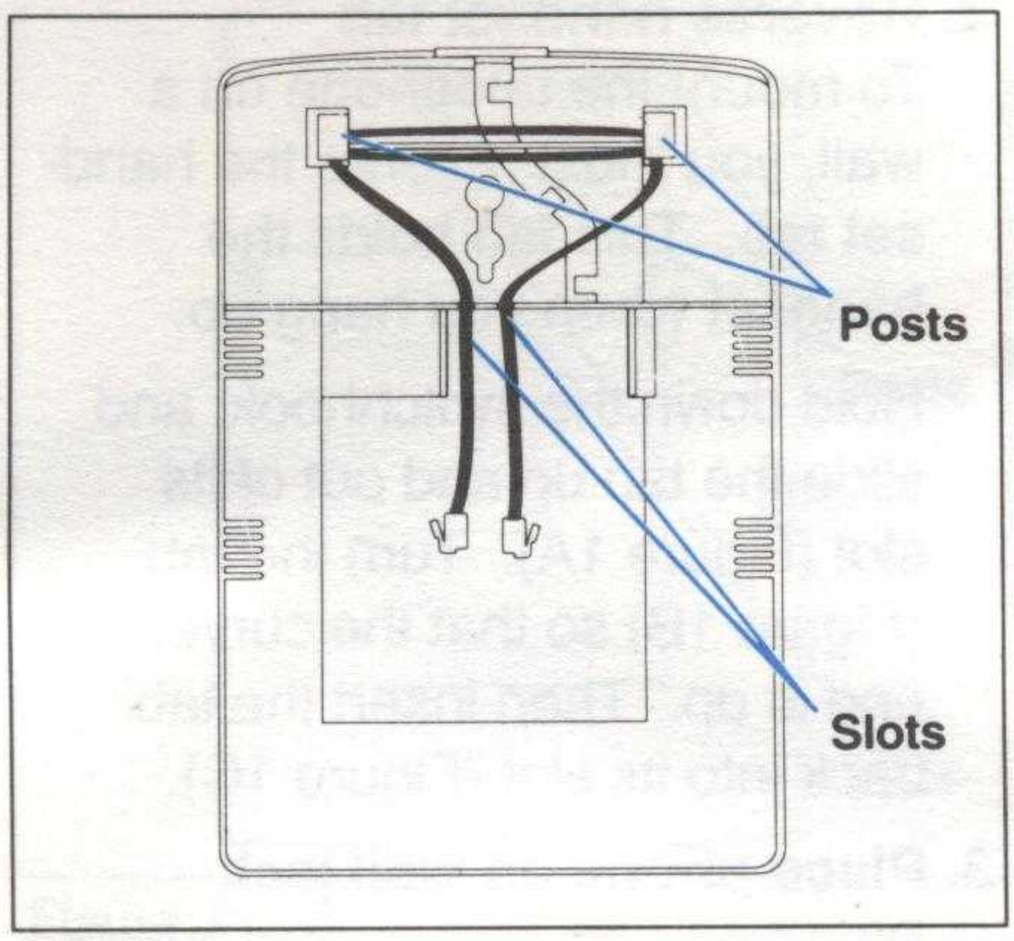


Figure 1

Option B. Two Separate Jacks:

1. Attach base to telephone

Securely wrap the line cord (with **blue** plugs) around posts inside base, leaving approximately 3 inches free at both ends. Use the slots to hold the line cord in place (Figure 1).

Turn the base so that the larger end is toward the **bottom** of the telephone. Reinstall the base by inserting the bottom tabs into the phone slots. Then push in on the triangle at the bottom center of the base to lock the phone into place (Figure 2). Plug one end of the line cord into the appropriate line jack on the underside of the telephone (Figure 3).

(Continued)

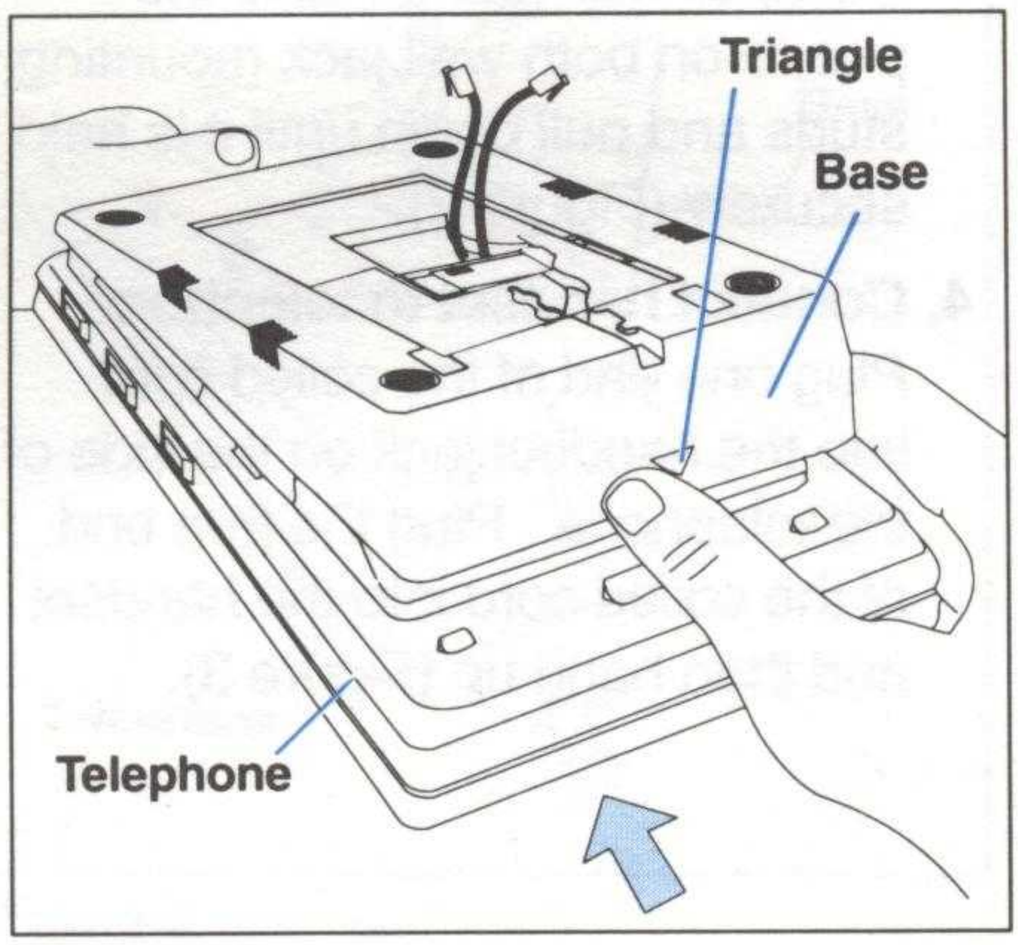


Figure 2

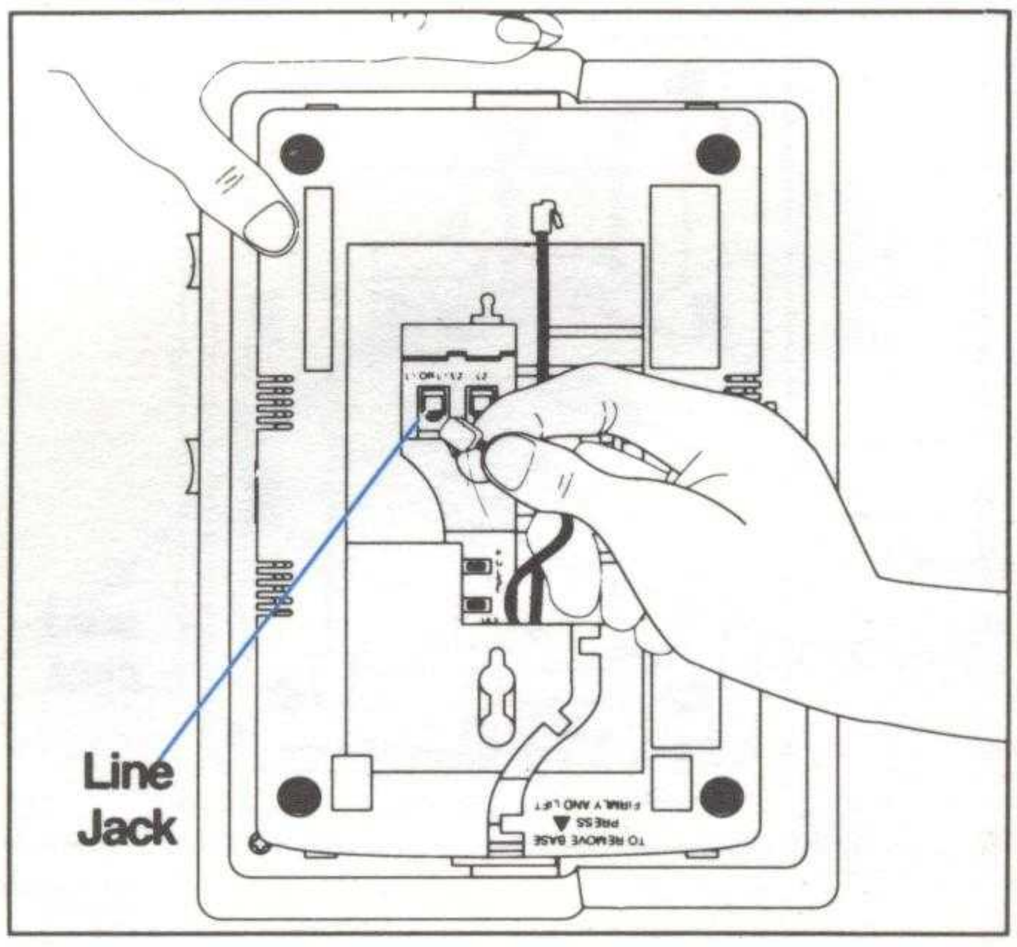


Figure 3

Installation *(continued)*

2. Reverse handset tab

To mount the telephone on a wall, you must reverse the handset tab. This tab holds the handset when you hang up.

Hold down the switchhook, and slide the tab up and out of its slot (Figure 1A). Turn the tab (Figure 1B) so that the curved end is up. Then insert the tab back into its slot (Figure 1C).

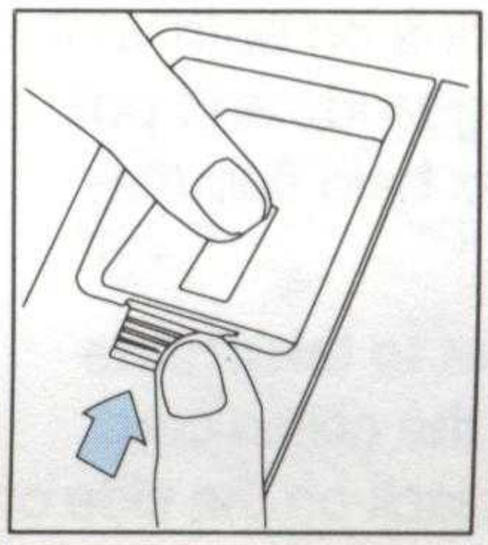


Figure 1A

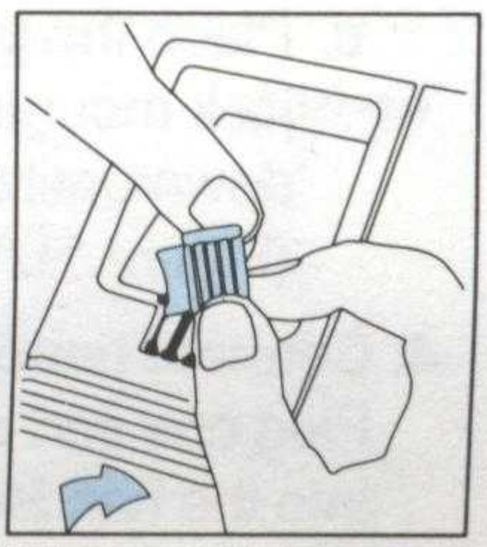


Figure 1B

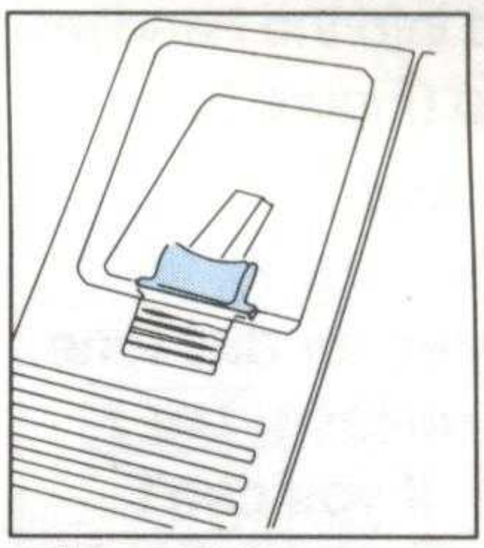


Figure 1C

3. Place phone on wall jack

a. Insert one end of the 7-foot line cord with **clear** plugs (the one not wrapped in base) into the other jack on the underside of the phone. Route the line cord through the channel on underside of the base (Figure 2).

b. Insert the other end of the line cord with **clear** plugs into a baseboard jack (**not the wall jack**). Insert free end of the line cord with **blue** plugs (already wrapped in base) into the wall jack where the phone is to be mounted (Figure 3).

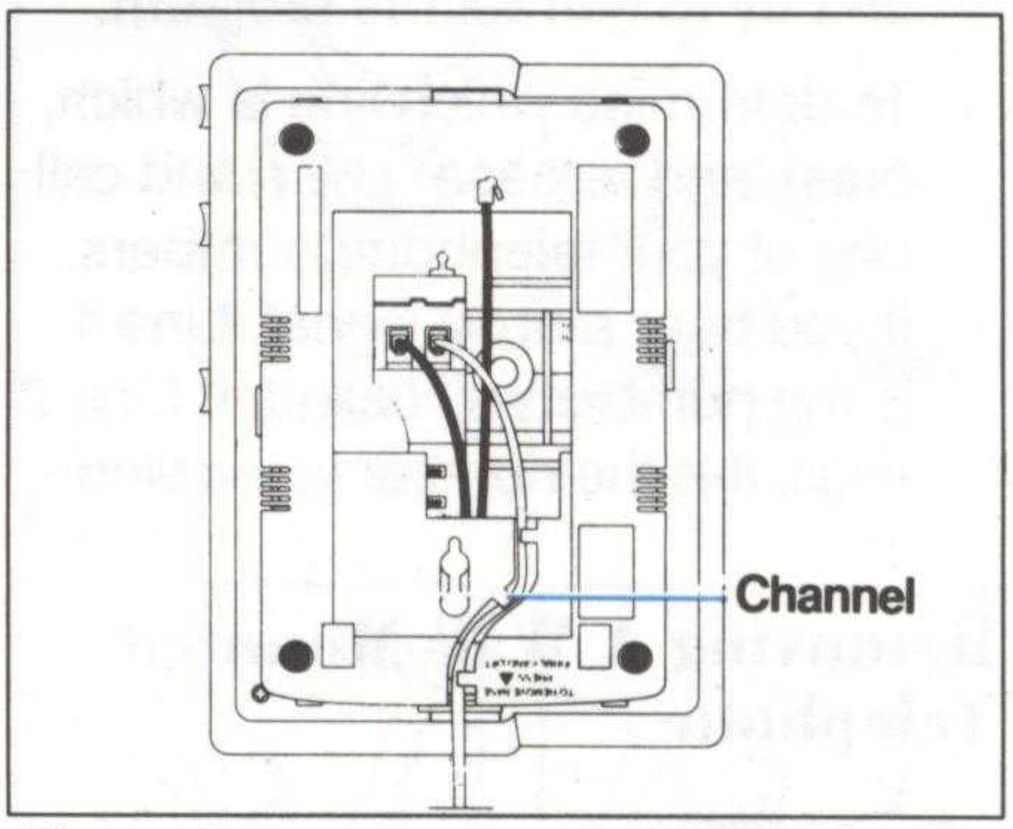


Figure 2

(Continued)

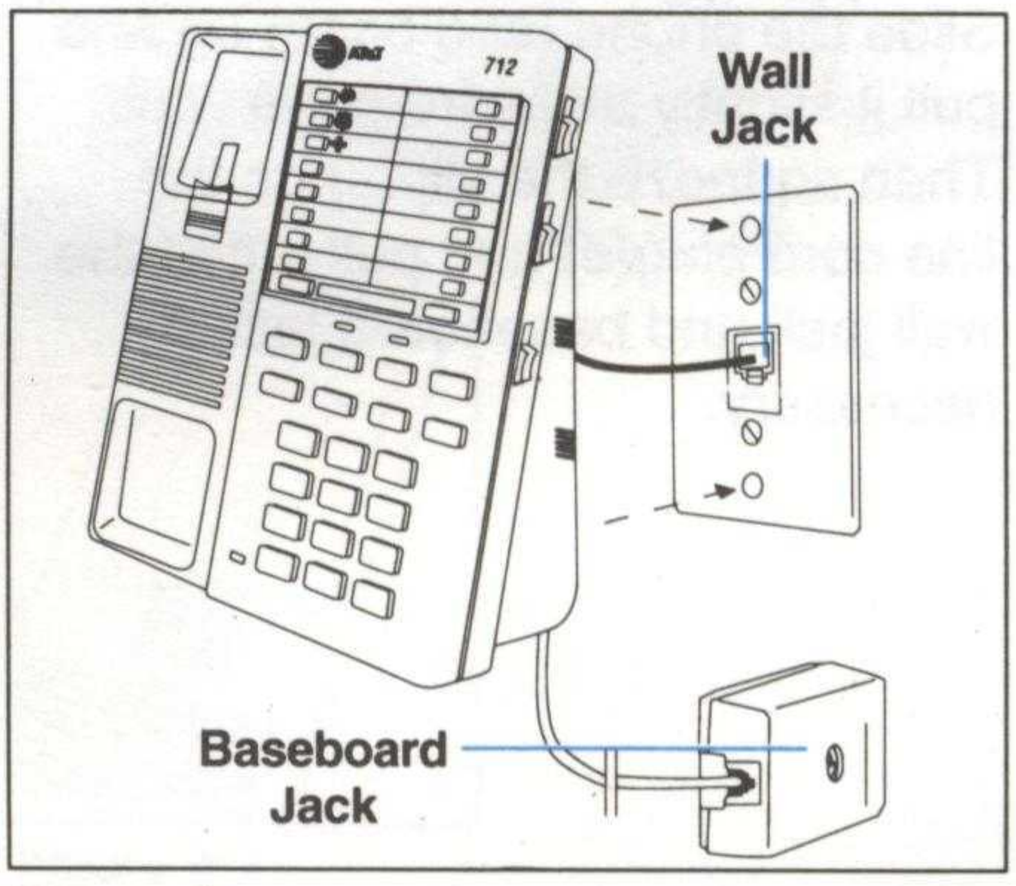


Figure 3

Installation *(continued)*

c. Place the phone on both wall jack mounting studs and pull down until it is held securely (Figure 1).

4. Connect handset to telephone
Plug one end of the coiled cord into the handset jack on the side of the telephone. Plug the free end of the coiled cord into the handset and then hang up (Figure 2).

5. Confirm lines 1 and 2
Press and release LINE 1, lift handset, and listen for dial tone. Then press and release LINE 2 and listen again. If you can't hear a dial tone, turn to page 29 and try to correct the problem.

To determine which line is which, press and release LINE 1 and call one of your telephone numbers. If you hear a busy signal, Line 1 is the number you called. If Line 2 rings, it is the number you called.

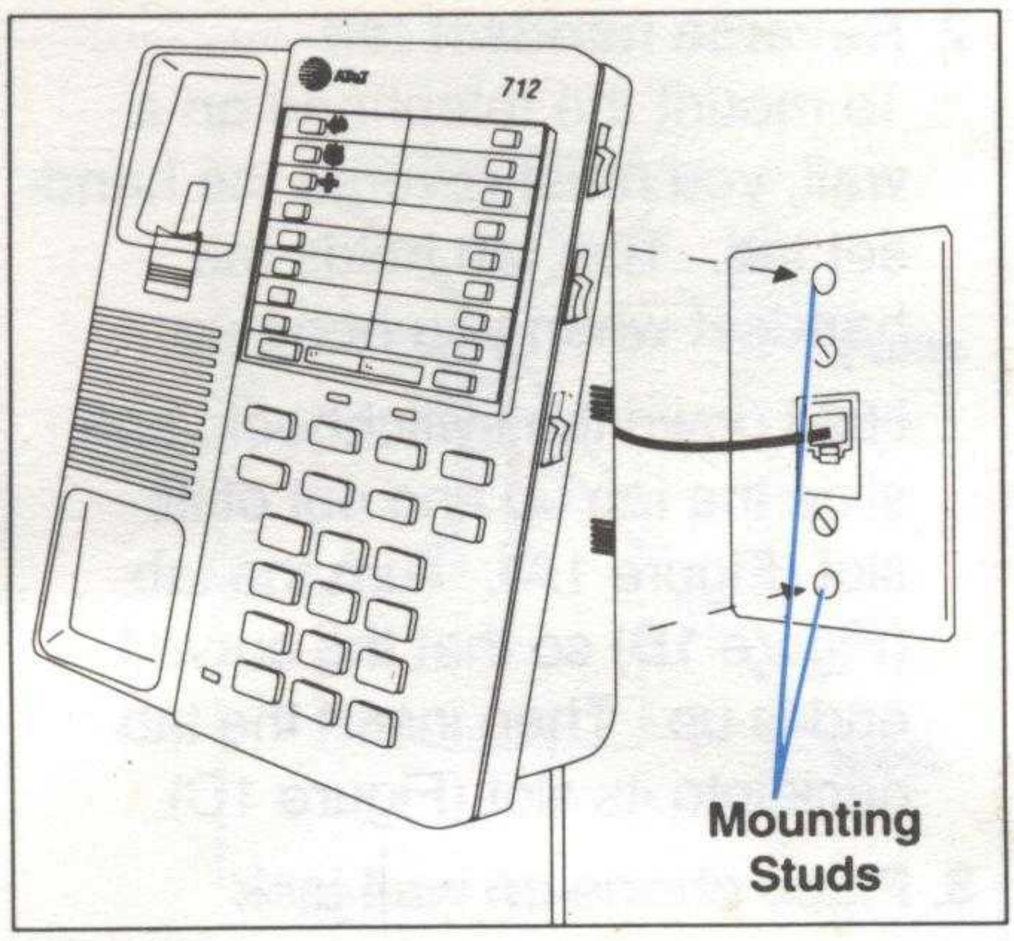


Figure 1

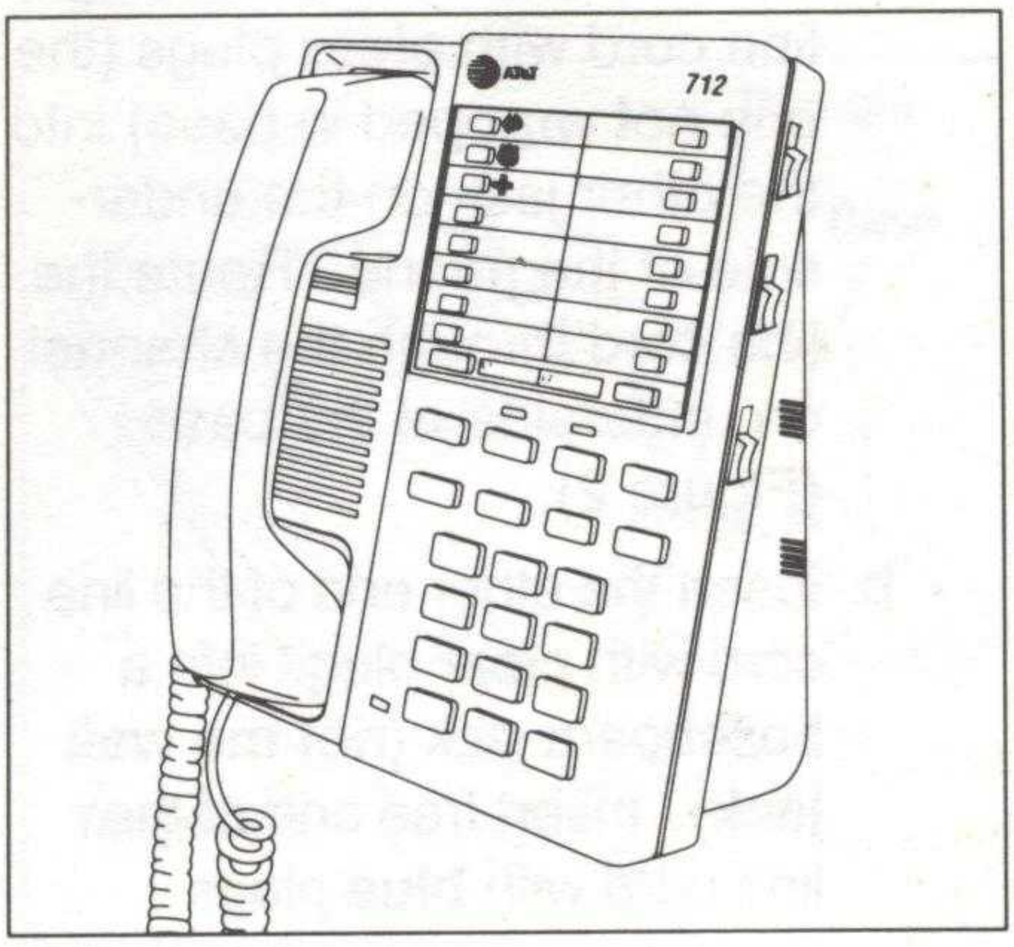


Figure 2

Removing A Wall-Mounted Telephone

Unplug handset from coiled cord. Slide the phone (and base) up and pull it slightly away from the wall. Then squeeze the clip(s) on the line cord plug(s) and pull out of the wall jack and baseboard jack if necessary.

Installation *(continued)*

Converting Phone For Table/Desk Use

1. Turn the phone upside down. Remove the base by pushing in on the triangle at the center of the large end of the base, and lift base off the phone (Figure 1). Unplug and unwrap the line cord(s).
2. Turn the base so that the larger end is toward the **top** of the telephone. Reinstall the base by inserting the bottom tabs into the phone slots. Then push in on the triangle at top center of the base to lock the phone into place (Figure 2).
3. Hold down the switchhook, and slide the handset tab up and out of its slot (Figure 3A). Turn the tab (Figure 3B) so that the curved end is down. Then insert the tab back into its slot (Figure 3C).

   Refer to the "Table/Desk Installation" section on page 12, step 1 (Select Option A or B), for further instructions.

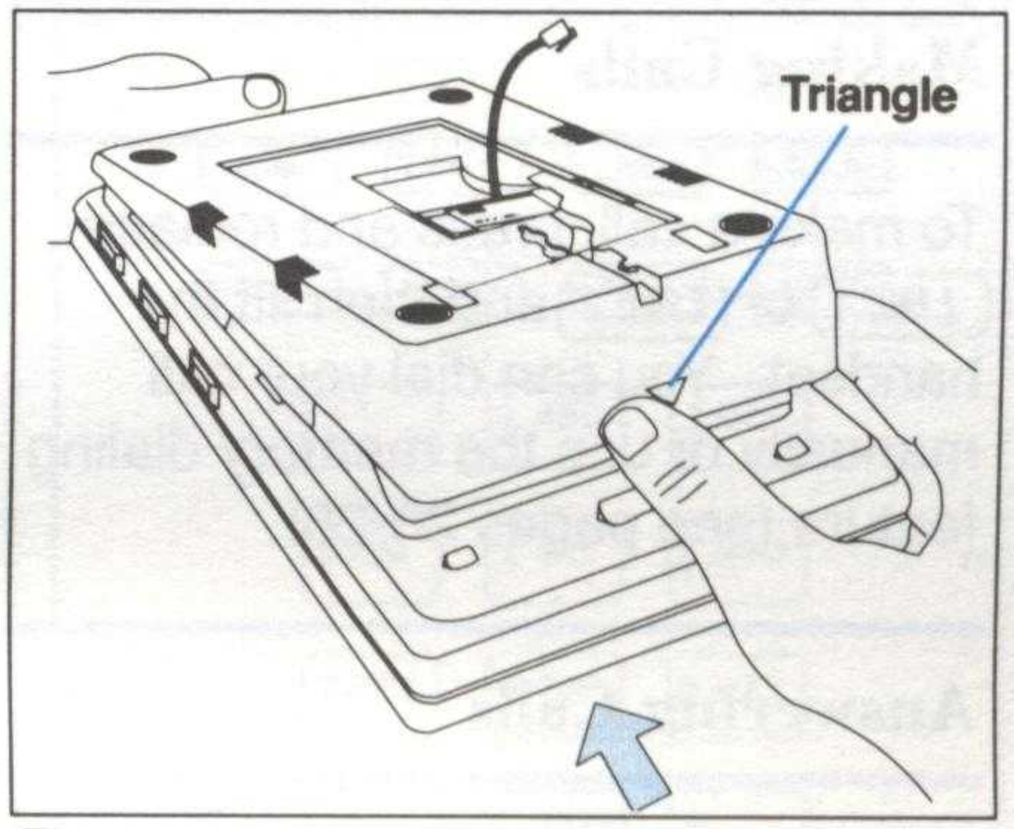


Figure 1

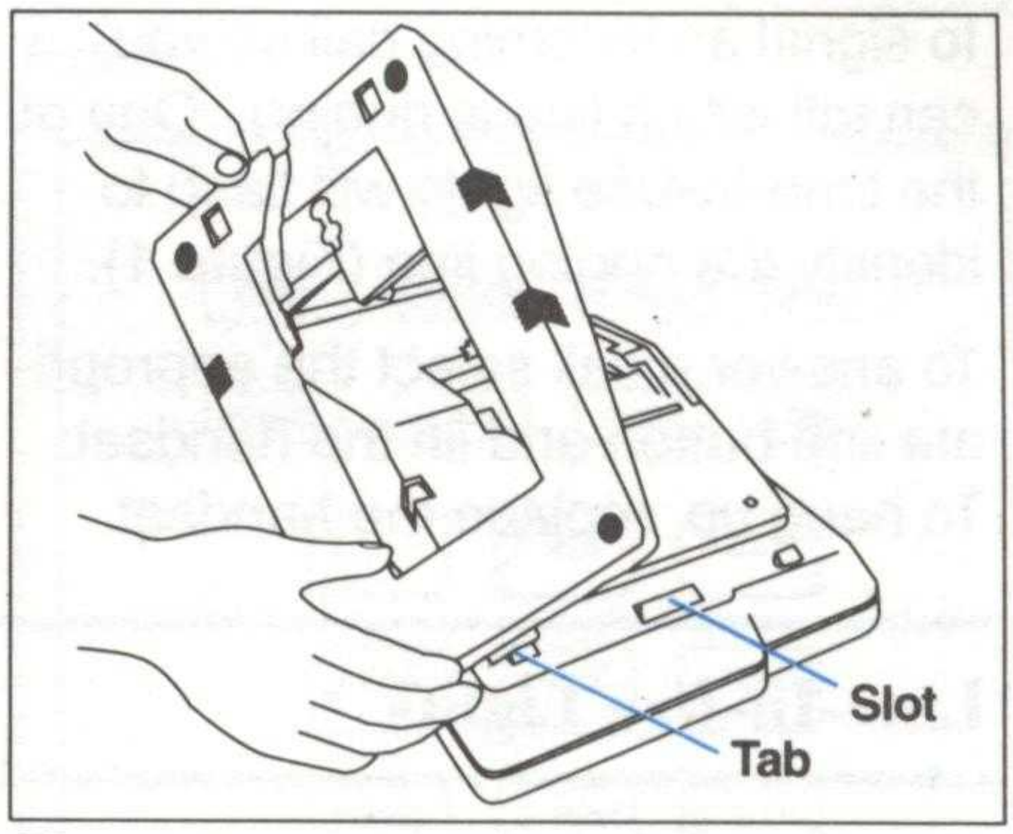


Figure 2

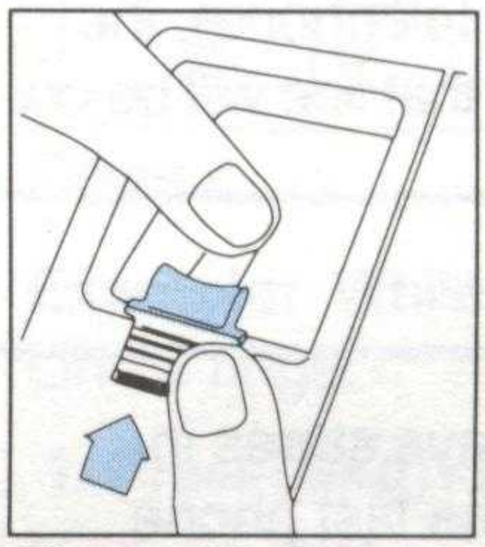


Figure 3A

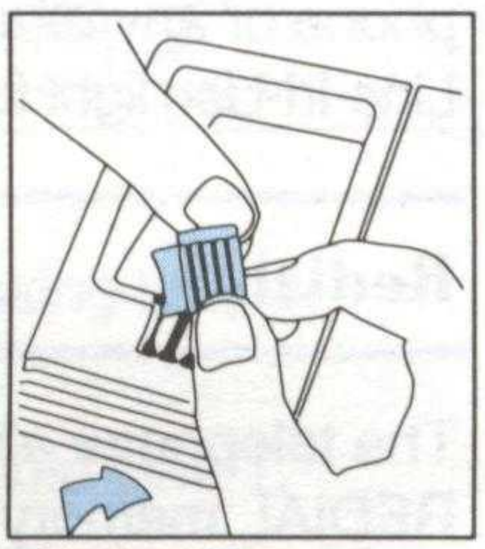


Figure 3B

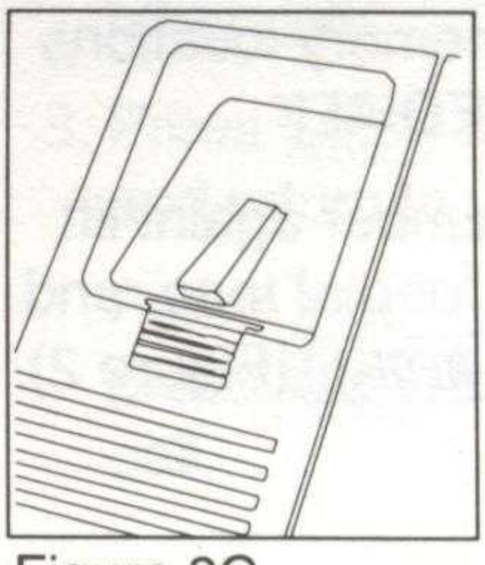


Figure 3C

Operation

Making Calls

To make a call, press and release (LINE 1) or (LINE 2) and then lift the handset. You can dial your call manually or use the memory dialing feature (see pages 26-28).

Answering Calls

Each line has a different ringer tone to signal an incoming call so you can tell which line is ringing. One of the Line-In-Use lights will flash to identify the ringing line (Figure 1).

To answer a call select the appropriate line button and lift the handset. To hang up, replace the handset.

Line-In-Use Lights

Whenever a line is in use (at this telephone or any other telephone), the Line-In-Use light for that line will be on.

Redial

The telephone always stores in REDIAL memory the last phone number manually dialed. Numbers called from other memory locations are not stored in REDIAL.

To dial the same number again: lift the handset, listen for dial tone, and press and release (REDIAL) (Figure 2).

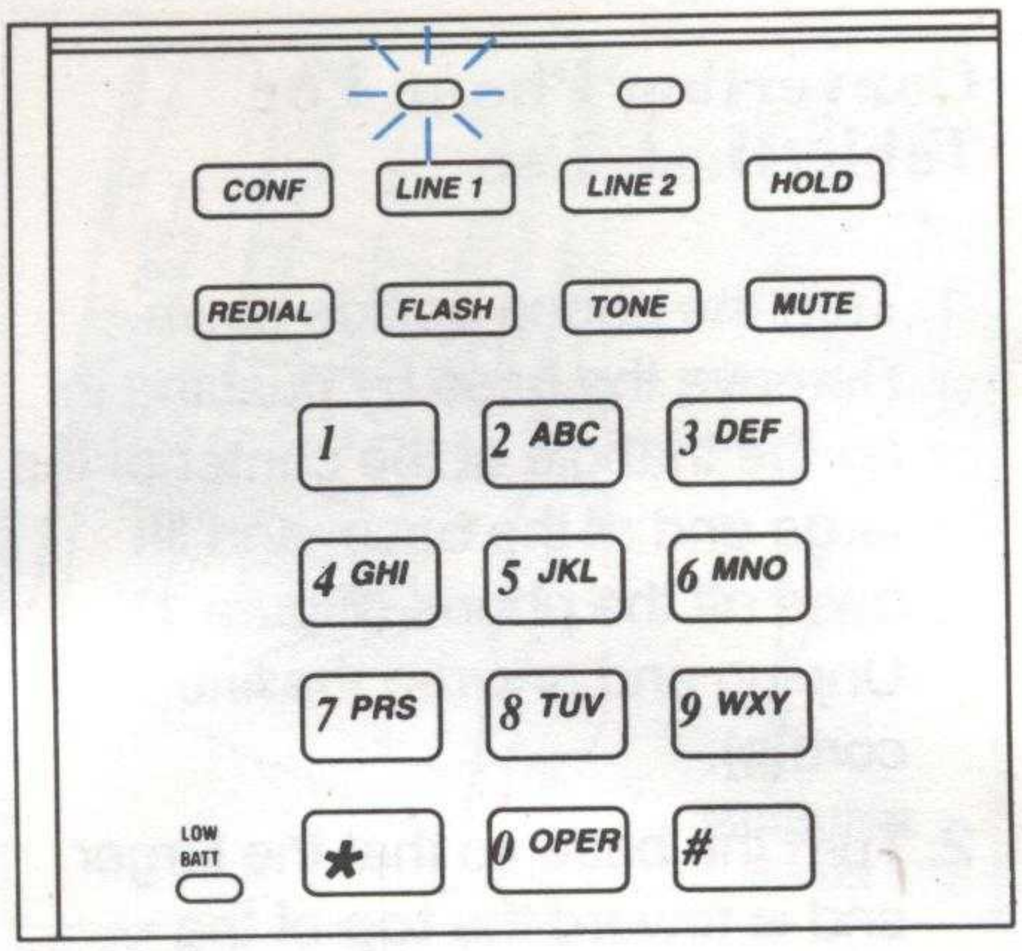


Figure 1

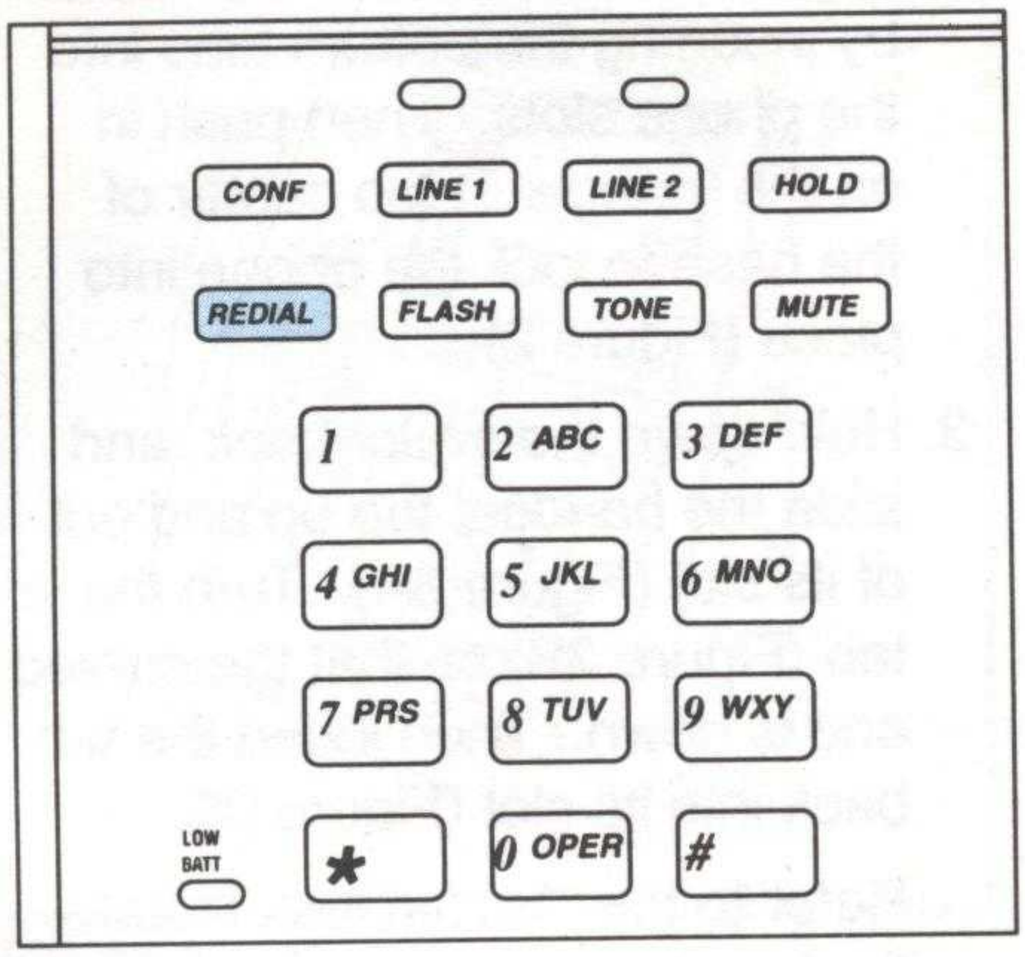


Figure 2

This feature is useful when you are trying to reach a busy number. The redial memory can accept numbers up to 32 digits long. The number will remain in memory until you change it by dialing or programming another telephone number.

Hold

The HOLD feature allows you to keep a call on the line while you step away from the phone, switch lines, or while you or someone else takes the call on an extension phone. When a call is on HOLD, the Line-In-Use light of the line being used will flash; nothing you or the other person says can be heard.

To put a call on HOLD, press and release [HOLD] (Figure 1), and place the handset back in the cradle. To release HOLD, do one of the following:

— Lift the handset from the cradle and press the appropriate line button (of this phone or an extension phone)

— If the handset is not in the cradle, press the appropriate line button.

NOTE: While a Line-In-Use light is flashing, both ends of your phone conversation are silenced; nothing you or the other person says can be heard.

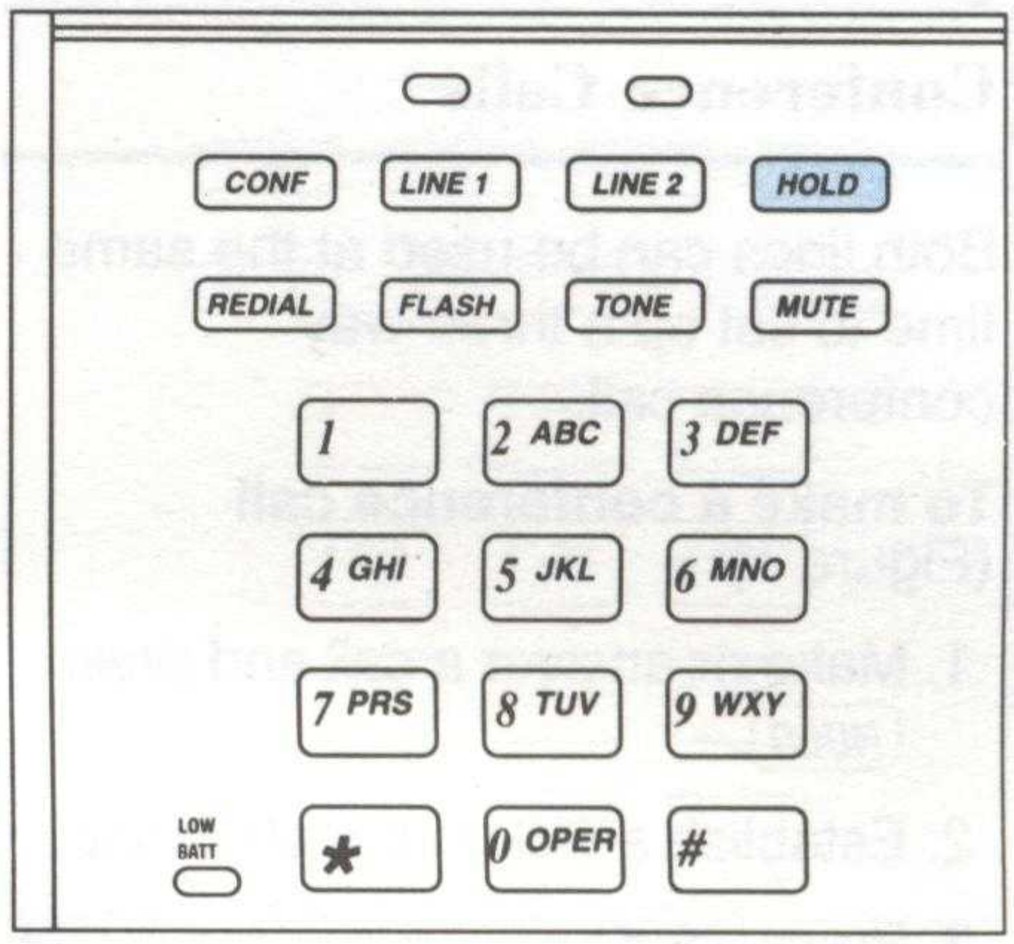


Figure 1

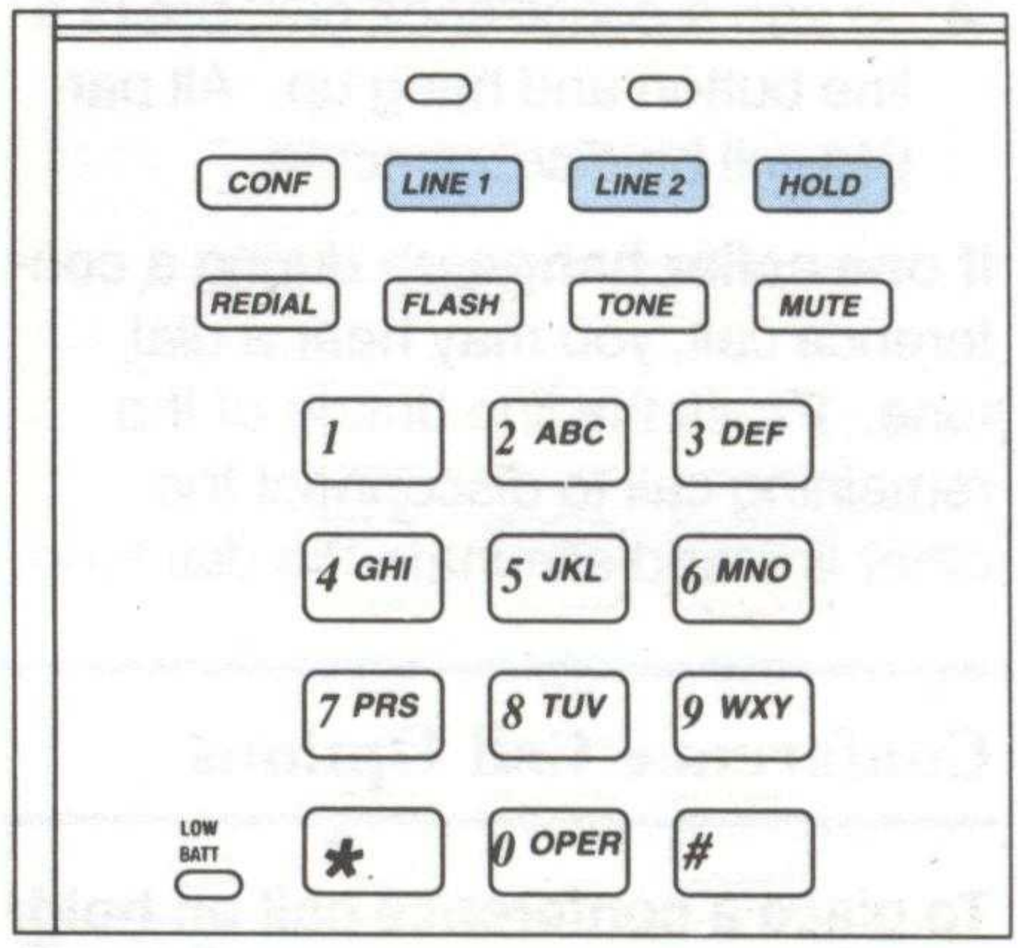


Figure 2

Example: While using Line 1, Line 2 rings:

1. Press [HOLD] to hold Line 1.
2. Press [LINE 2] to answer the other call.
3. Press [LINE 1] to hang up Line 2 and return to your first call, OR

   Press [HOLD] to hold Line 2, and press [LINE 1] to return to your first call.

Switching Between Lines During A Call

During a call on one line, you can make or answer a call on the other line by pressing [HOLD]. The HOLD and LINE buttons can be used to switch back and forth between calls as often as necessary (Figure 2).

Conference Calls

Both lines can be used at the same time to set up a three-way conference call.

To make a conference call (Figure 1):

1. Make or answer a call and press HOLD.
2. Establish a call on the other line.
3. Press CONF.
4. To end a conference call, press a line button and hang up. All parties will be disconnected.

If one caller hangs up during a conference call, you may hear a dial tone. Press the line button of the remaining call to disconnect the other line and eliminate the dial tone.

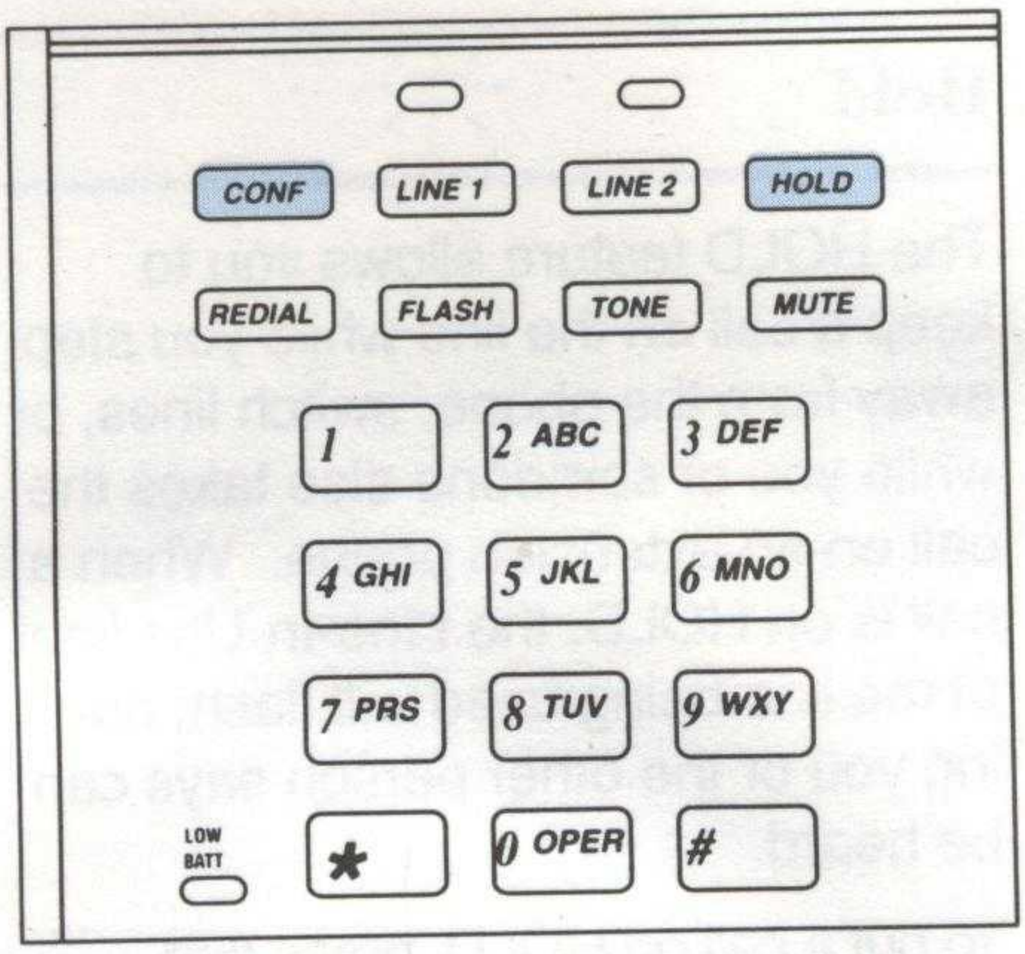


Figure 1

To disconnect one party from a conference call and keep the other on the line, press the line button of the call you want to continue.

NOTE: If you leave the CONF button down after a conference call, then dial another number, your call may be completed but you may hear a busy signal from the other line. Press HOLD, then press each line button until you identify the line being used for your completed call.

Conference Call Options

To place a conference call on hold:

1. Press and release HOLD to hold both lines.
2. Press and release CONF to release HOLD and continue your conference call.

To talk privately with one caller:

1. Press and release HOLD.
2. Press and release the line button of the person with whom you want to speak privately.
3. Press and release CONF to continue your conference call.

Operation *(continued)*

Mute

The MUTE feature allows you to hear your caller, but your caller will not be able to hear anything you say.

Hold down **MUTE** (Figure 1) to talk privately with someone else in the room without the person on the phone hearing you. Release **MUTE** to continue your conversation with the caller.

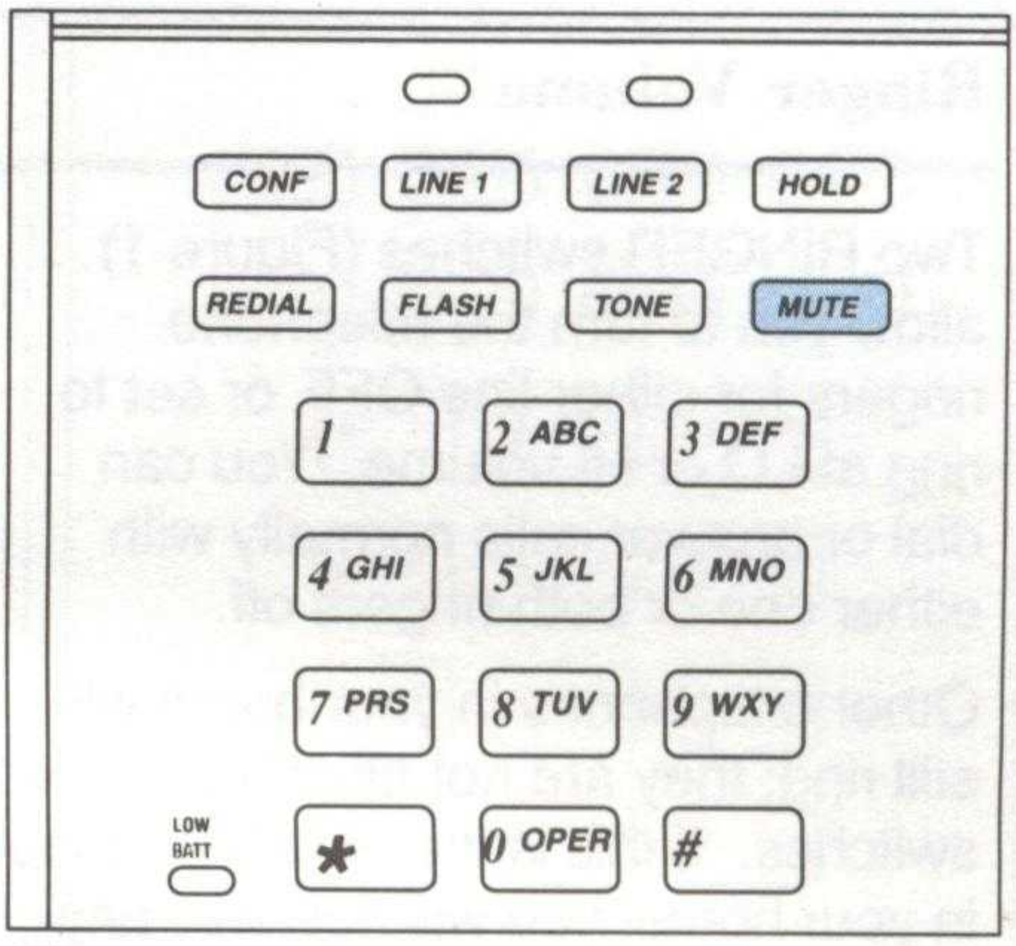


Figure 1

Flash

The FLASH feature is useful if you have subscribed to custom calling services from your local telephone company. Press and release **FLASH** instead of pressing the switchhook to activate services such as call waiting or 3-way calling (Figure 2).

You may have to press other buttons before or after the FLASH button as explained in custom calling instructions provided by your local telephone company. The FLASH button is used only as a substitute for pressing the switchhook.

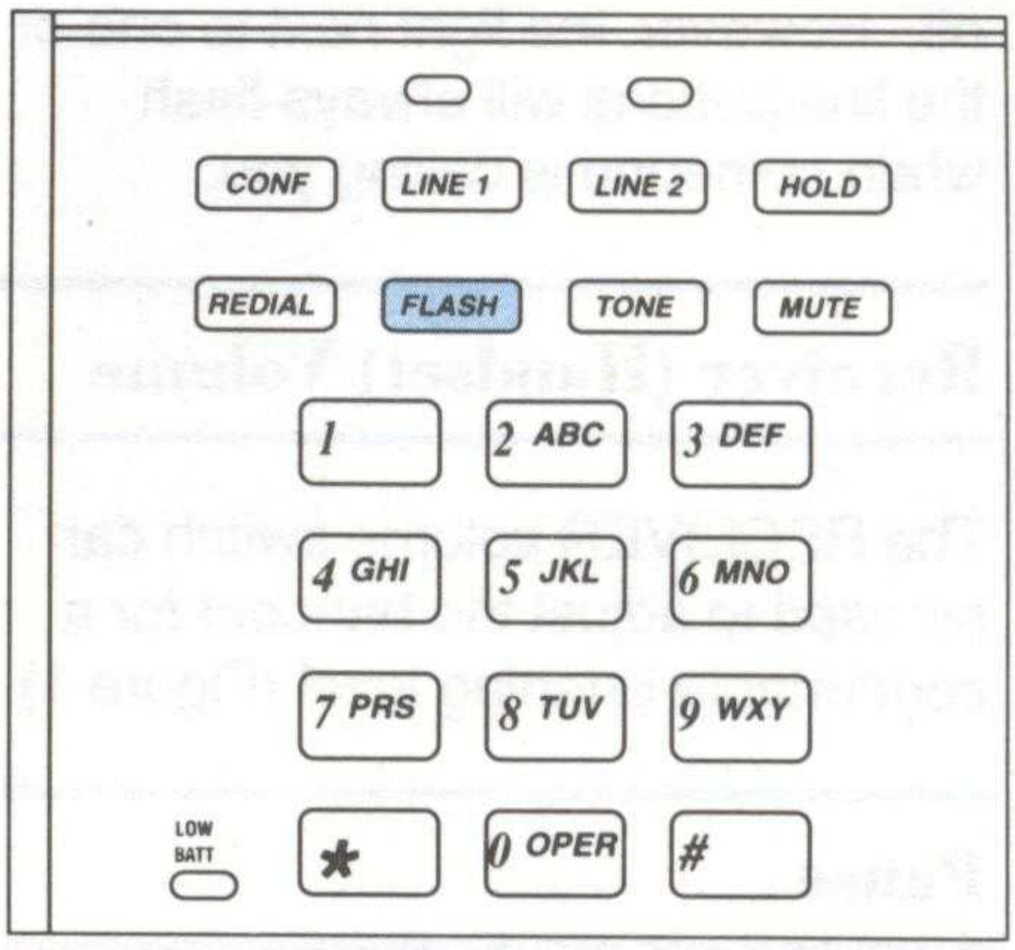


Figure 2

Operation *(continued)*

Ringer Volume

Two RINGER switches (Figure 1) allow you to turn the telephone ringers for either line OFF, or set to ring at LO or HI volume. You can dial or answer calls normally with either one or both ringers off.

Other telephones in your home will still ring; they are not affected by the switches. If this is the only telephone in your home, you will not hear any incoming calls while the ringers are off. However, the light next to one of the line buttons will always flash when someone is calling you.

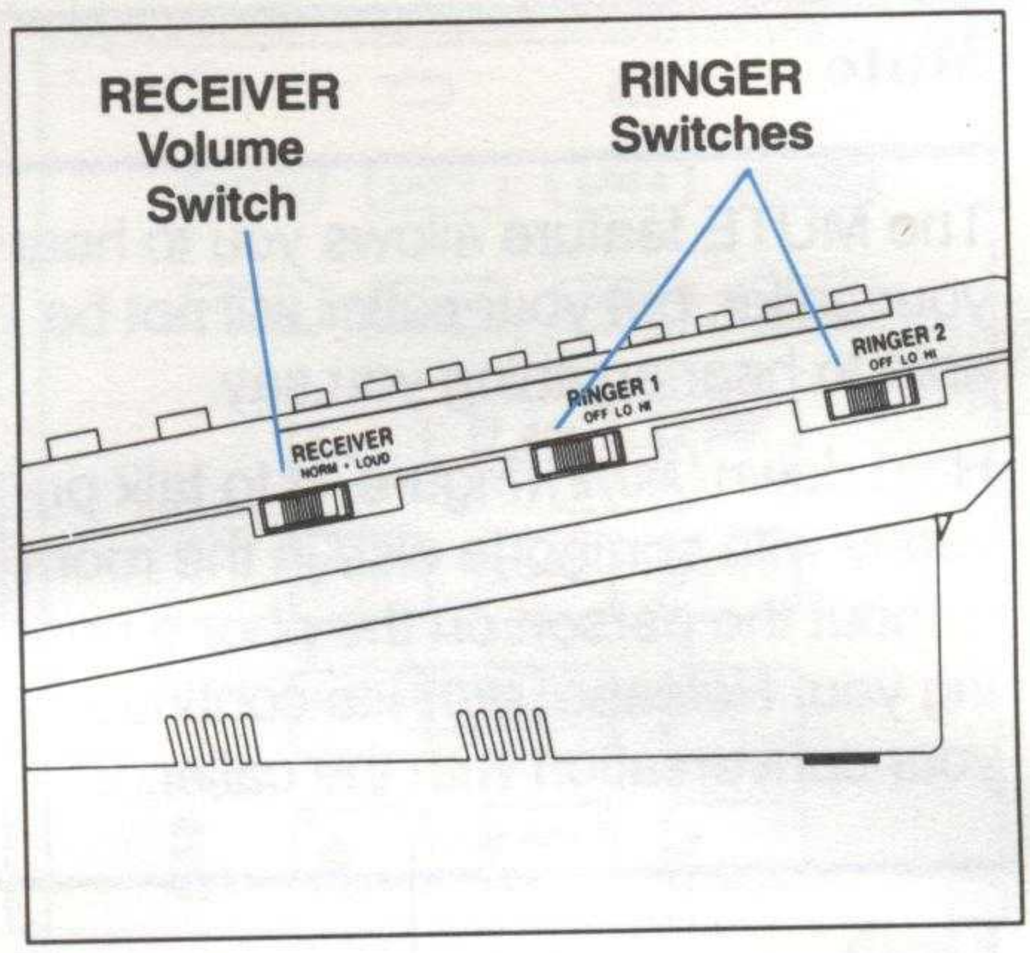


Figure 1

Receiver (Handset) Volume

The RECEIVER volume switch can be used to adjust the handset for a comfortable listening level (Figure 1).

Pause

The PAUSE feature is used to insert a dialing delay when storing numbers. Each time (PAUSE) is pressed and released (Figure 2), a 3-second dialing delay occurs in the dialing sequence. Refer to page 28.

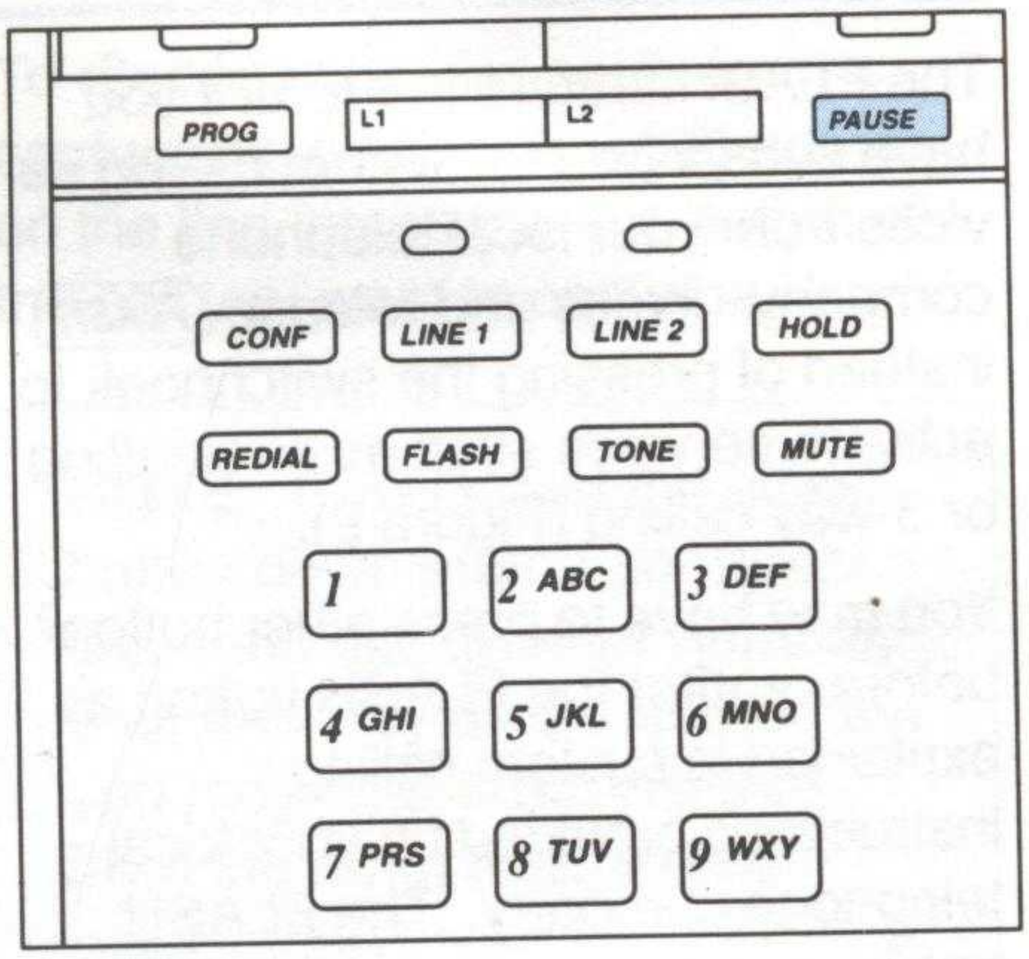


Figure 2

Battery Warning Light

When battery power is low, the LOW BATT light will go on each time you lift the handset (Figure 3). See page 8 to replace the batteries.

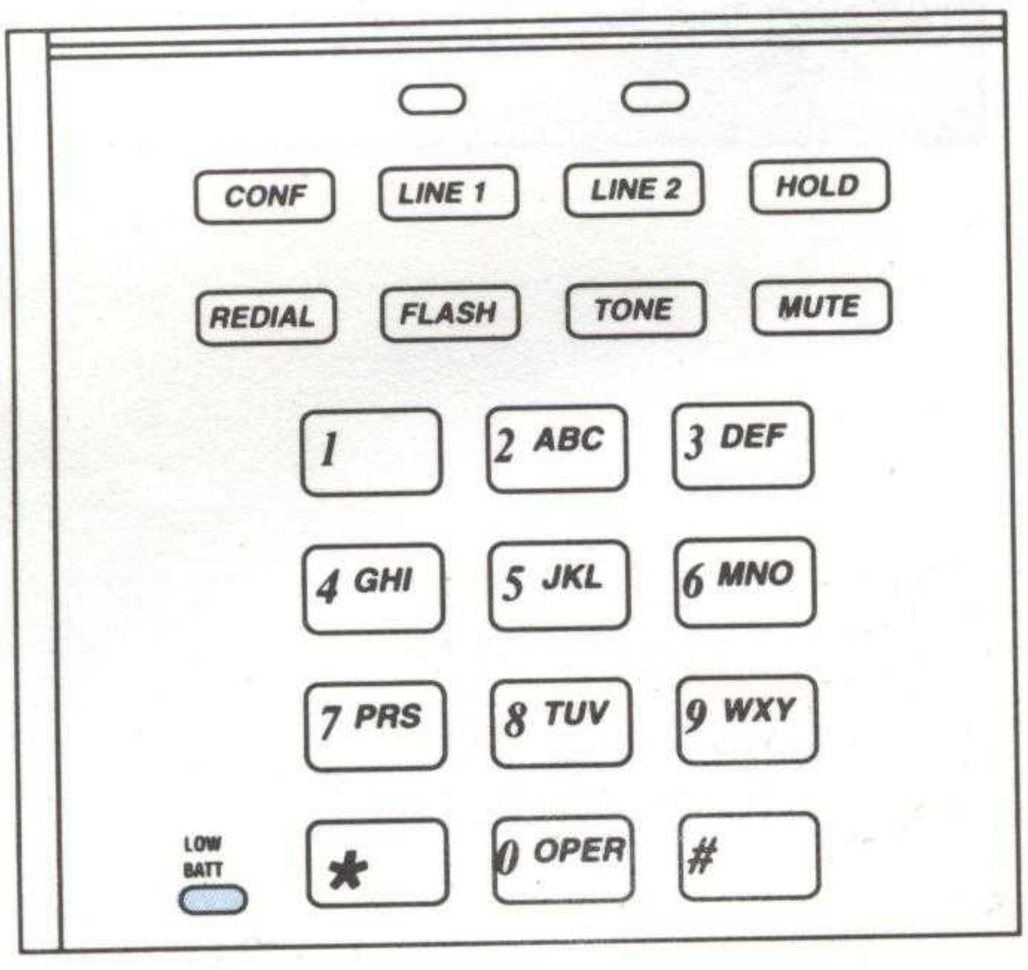


Figure 3

Temporary Tone Dialing

If you have pulse service, you can change from pulse to tone dialing during a call by pressing and releasing TONE (Figure 1). This is useful if you need to send tone signals for access to telephone banking or long-distance services.

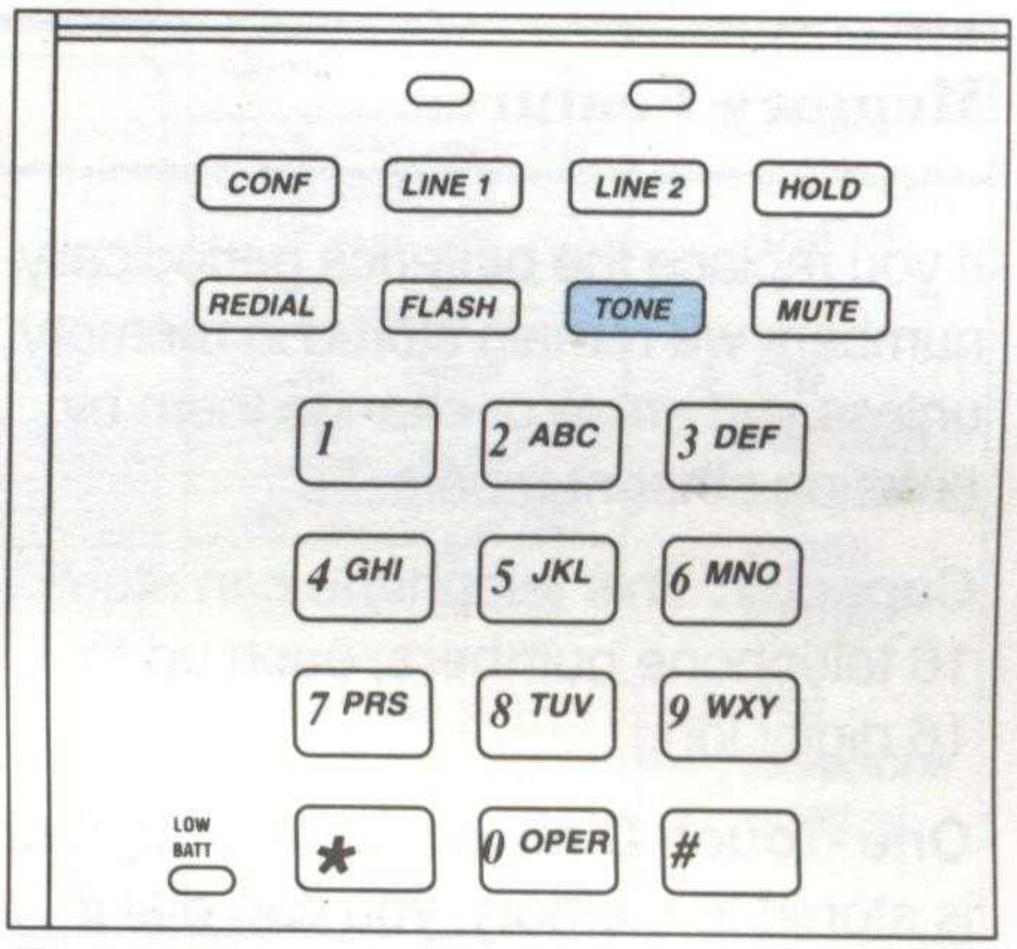


Figure 1

EXAMPLE:

1. Dial a number.
2. Press and release TONE; all buttons pressed after this will send tone signals.
3. After you hang up, the phone automatically returns to rotary service.

Memory Dialing

Memory Features

If you replace the batteries periodically, numbers will remain stored in memory unless you erase or change them by entering other numbers.

Capacity: This telephone can store 16 telephone numbers, each up to 16 digits long.

One-Touch Dialing: Once a number is stored in memory, you can dial it simply by pressing the memory button next to the number.

Directory Card: Remove the plastic cover and directory card. Write your telephone numbers for Line 1 and Line 2 in the space provided. Also write the telephone numbers (and/or names) that you want to store in each memory location (Figure 1). Reinstall the card and plastic cover in the space provided.

Emergency Numbers: You may choose to store emergency numbers in the one-touch memory locations marked with fire, police, and medical symbols. However, we recommend that you also write in the telephone number on the directory card so that if the memory feature does not function, you can still manually dial an emergency number quickly.

If you choose to store non-emergency telephone numbers in these locations, it is important to remember that someone visiting your household may assume that they are dialing an emergency telephone number when they press one of these emergency symbols.

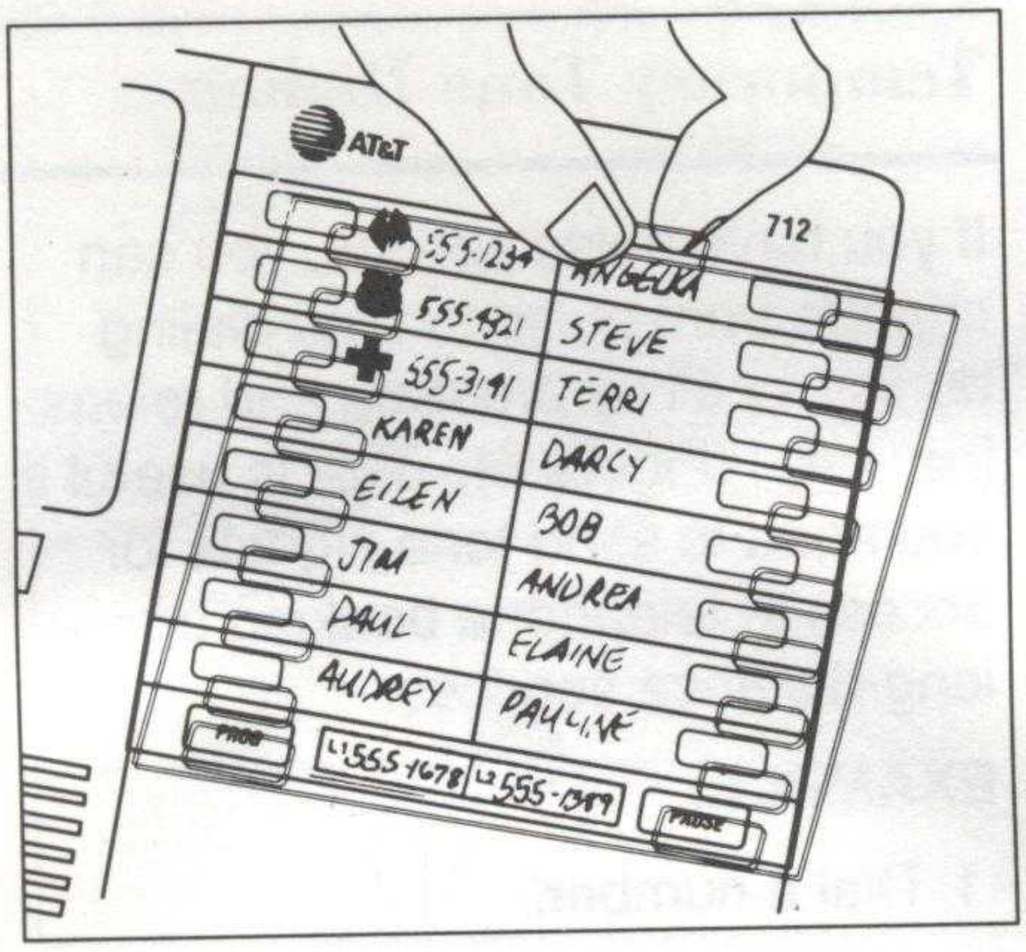


Figure 1

One-touch dialing and emergency calling symbols are provided only as a convenience. AT&T assumes no responsibility for customer reliance on this memory feature.

NOTE: Although testing the programming of emergency numbers is not a recommended procedure, if you do make a call to an emergency number:

A. You must remain on the line and briefly explain the reason for the call before hanging up.

B. Programming/testing of emergency numbers should be performed in the early morning or late evening (off-peak hours).

Memory Dialing *(continued)*

Storing Numbers (Figure 1)

1. Lift handset, select LINE 1 or LINE 2, and press and release **PROG**.
2. Dial the telephone number. You will hear a beep when each key is pressed.

   If a dialing delay is needed in the phone number sequence, press and release **PAUSE** at the place where it's needed.
3. Press and release the memory button where the number is to be stored.
4. Hang up after the number is entered correctly.

Repeat steps 1-4 to store another number in memory.

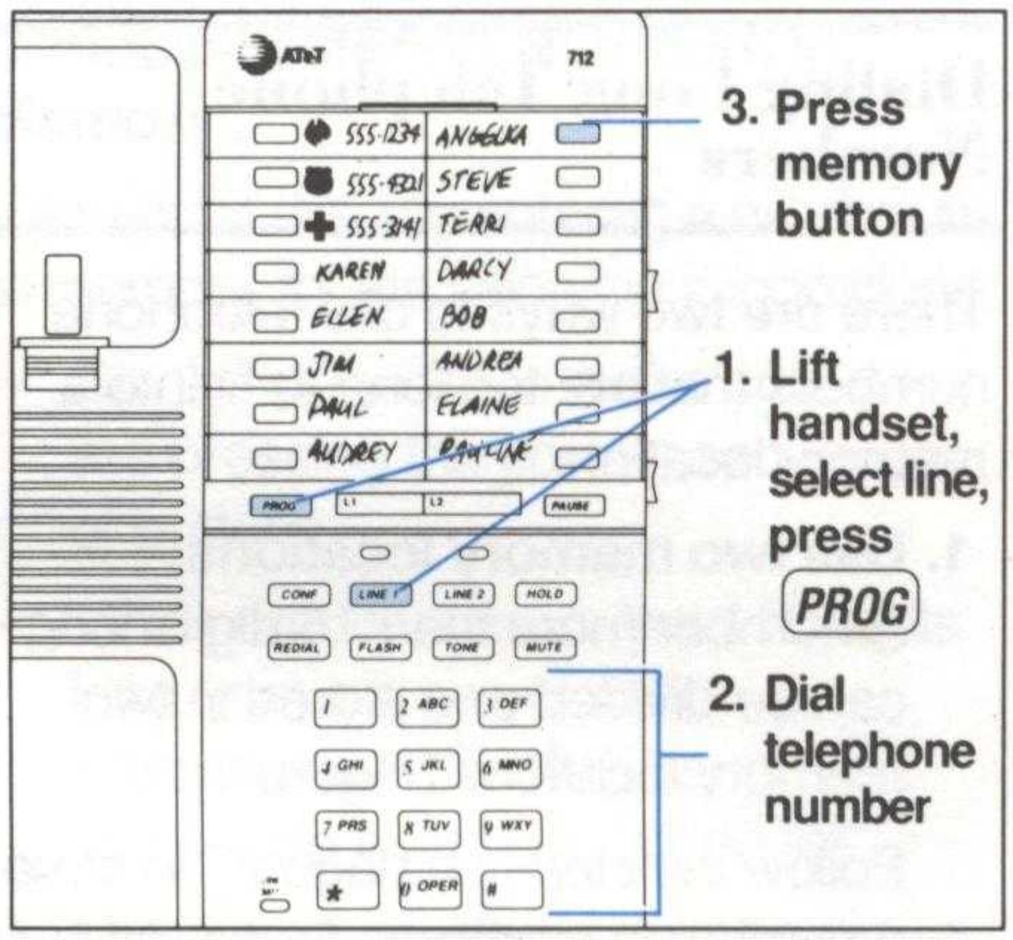


Figure 1

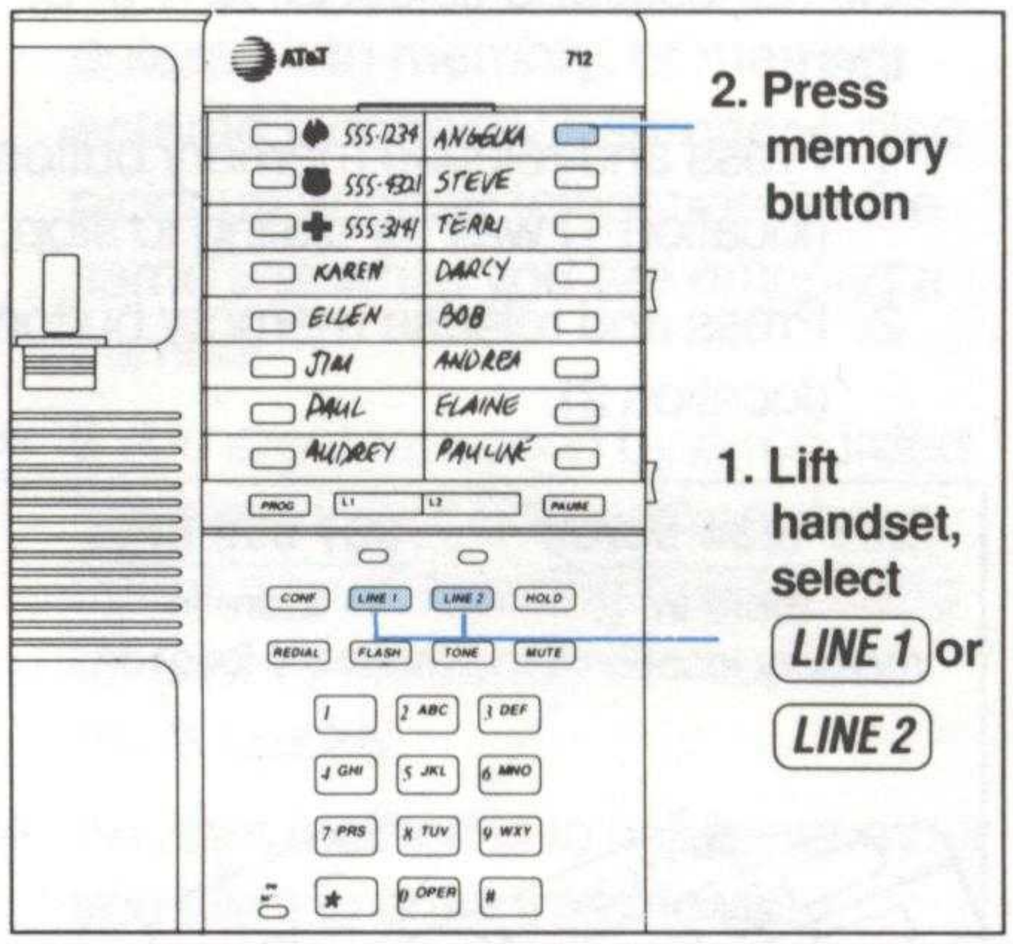


Figure 2

Dialing Numbers (Figure 2)

1. Lift handset, select LINE 1 or LINE 2, and listen for dial tone.
2. Press and release memory button.

Erasing Numbers

To remove any number from memory, you can enter another number in the same memory location. To clear a memory location and leave it empty, use the following procedure:

1. Lift handset, select line, and press and release **PROG**.
2. Press and release **PAUSE**.
3. Press and release the memory button to be erased.
4. Hang up the phone.

NOTE: Each time you enter a number, listen for a beep when a digit is pressed to confirm that it has been stored in memory. If you don't hear a beep the number has not been stored; hang up, press **PROG** again, and start over. If you still have difficulty, refer to page 29.

Memory Dialing *(continued)*

Dialing Long Telephone Numbers

There are two ways to dial telephone numbers that are too long to fit into a memory location:

1. Use two memory locations

A number more than 16 digits long can be divided and stored in two memory locations (Figure 1).

Follow the steps on page 27 to store a number in memory. To dial, lift the handset and select LINE 1 or 2, then:

1. Press and release memory button (location 1) wait for dialing to stop.
2. Press and release memory button (location 2).

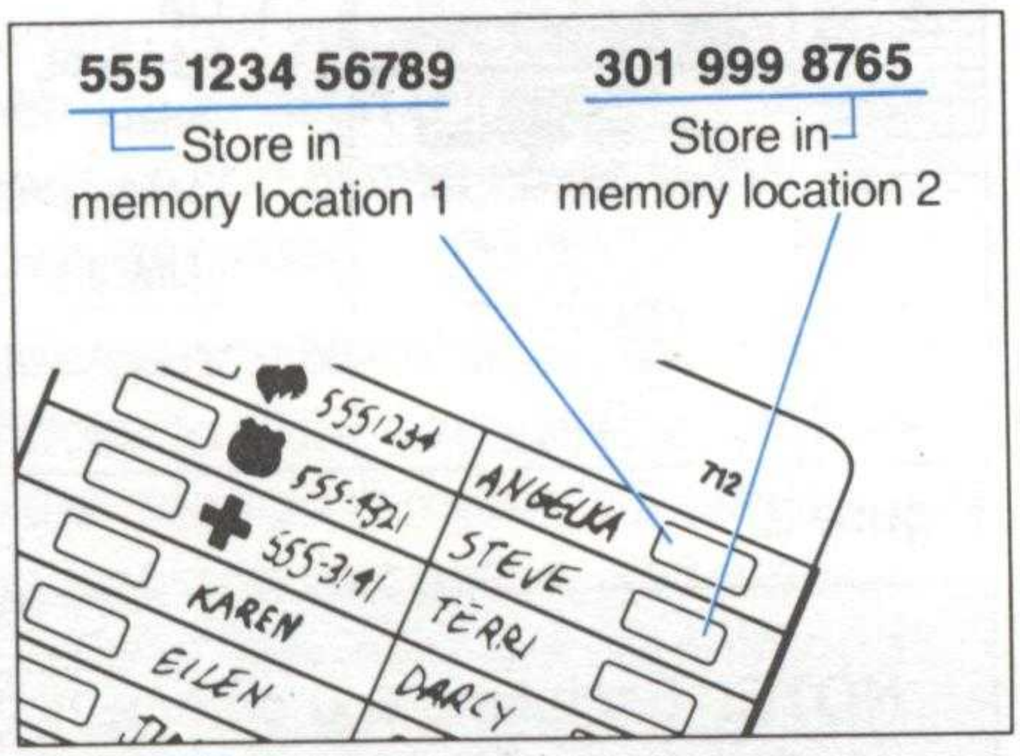


Figure 1

2. Combine Manual and Memory Dialing

Instead of using two memory locations, you might choose to store only part of a long number. You can use memory dialing to dial the stored portion, then dial the other digits manually. If the stored portion is dialed first, wait for dialing to stop before you continue dialing.

Entering a Dialing Delay

The PAUSE feature allows you to program a pause/delay into a one-touch dialing location for use with certain banking and long-distance services or to obtain an outside line when using a business telephone system.

Press and release (PAUSE) to insert a dialing delay in a series of numbers. Each time (PAUSE) is pressed, a 3-second dialing delay will be placed in the dialing sequence.

NOTE: Each memory location can store 16 digits; each 3-second pause counts as one digit. See "Dialing Long Numbers" if you need to store more than 16 digits.

If your telephone is connected to a switchboard (PBX), you can store the access number, dialing delay, and telephone number.

1. Press and release (PROG)
2. Enter access number (9)
3. Press and release (PAUSE)
4. Enter telephone number (555 1234)
5. Press the memory button and hang up

Storing Numbers Just Dialed

Whenever you make a telephone call, the number you dialed can be stored in memory without reentering the number.

After the other party has hung up and before you replace the handset, press and release:

1. (PROG)
2. (REDIAL)
3. Memory button

In Case Of Difficulty

If your telephone does not work properly, try the following suggestions before seeking repair assistance.

No Dial Tone

- ☞ Make sure a line button is pressed and all plugs are connected properly. Make sure the line switch is set correctly. Inspect the line cord connections at the modular jack and at the telephone. Also inspect the coiled handset cord connections at both ends.
- ☞ Unplug the telephone and connect it to another modular jack. If it still does not work, and other telephones in your home are working, the problem is with this telephone. Call the AT&T National Sales and Service Center at 1 800 222-3111.

Call Cannot Be Dialed, Or Is Dialed Slowly

See page 9 to reset the Dial Mode switch. If you have pulse dialing service, you cannot dial numbers with the switch set to TONE. Set the switch to PULSE, then hang up and dial again.

If you have tone dialing service, you can use either tone or pulse dialing mode. If you set the switch to TONE, numbers are dialed much more quickly.

If you have both pulse and tone dialing service coming into your home, you should set the Dial Mode switch to PULSE, or have your local telephone company supply tone dialing service to both lines.

Difficulty Entering Numbers In Memory

If you have difficulty entering a number into memory, try the following suggestions:

- ☞ Review page 27 to make sure you are pressing the correct sequence of buttons.
- ☞ If the number is more than 16 digits long, make sure you follow the instructions in "Dialing Long Telephone Numbers," page 28.
- ☞ Make sure no other telephones are off the hook. A number may not be entered into memory, or may be entered incorrectly if someone else picks up another telephone on the same line while you are entering a number.
- ☞ If you are interrupted by a recorded announcement telling you to hang up (or a loud, buzzing noise), hang up and try to reenter the number more quickly.
- ☞ Another method is to call the number you want to enter into memory. When the call is answered, press the following sequence of keys:
  1. PROG
  2. REDIAL
  3. Memory button
- ☞ Beep may not be heard if your RECEIVER Volume switch is not set to NORM or if you are in a noisy location.

(Continued)

In Case Of Difficulty *(continued)*

Problems With Line-In-Use Lights

- ☞ The Line-In-Use lights may not operate if the Low Battery light is on.
- ☞ Make sure all plugs are connected properly. Inspect the line cord connections at the modular jack and at the telephone. Also inspect the coiled handset cord connections at both ends.
- ☞ Make sure the line switch is set properly. See page 9.

Low Battery Light Stays On

- ☞ Make sure batteries are installed correctly.
- ☞ Make sure all contact surfaces on batteries and battery case are clean.
- ☞ Replace all batteries with new batteries.

Telephone Does Not Ring

- ☞ Make sure the RINGER switch is set in the LO or HI position.
- ☞ If there are several other telephones on the same line, try disconnecting some of the other telephones. Having too many telephones connected can also create problems such as low ringer volume, or impaired sound quality during calls.

Other Problems

Make sure you have followed all the instructions in this booklet. If you continue to have problems, call the **AT&T National Sales and Service Center at 1 800 222-3111.** If you cannot correct the problem, disconnect the telephone and refer to the AT&T Limited Warranty on page 31.

Maintenance Information

Although your telephone is designed to be maintenance-free, it contains sensitive electronic parts. Treat it with care to assure best performance.

Avoid Rough Treatment

Avoid dropping the handset, and replace it gently on the telephone after use. The original packaging should be used for protection if you must ship the telephone.

Cleaning

The hard plastic casing of your telephone has a durable finish that should retain its original luster for many years. Clean exposed parts with a soft, slightly damp cloth. To remove stains, use a mild soap. Never use detergents, excess water, treated cloths, harsh cleaning agents, or sprays.

AT&T Limited Warranty

What is covered:

Any defect in materials or workmanship.

For how long:

Two years.

What we will do:

If your AT&T product is defective and returned within 30 days of the date it was purchased, we will replace it at no charge to you. If returned after 30 days but within two years of the date of purchase, we will repair it or, at our option, replace it at no charge to you.

If we repair your AT&T product, we may use new or reconditioned replacement parts. If we choose to replace your AT&T product, we may replace it with a new or reconditioned one of the same or similar design. The repair or replacement will be warranted for either (a) 90 days or (b) the remainder of the original two year warranty period, whichever is longer.

Limitations:

Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use), are limited to two years from date of purchase. We will not pay for loss of time, inconvenience, loss of use of your AT&T product, or property damage caused by your AT&T product or its failure to work, or any other incidental or consequential damages.

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

What we ask you to do:

To get warranty service for your AT&T product, you must provide proof of the date of purchase. Within 30 days of the date it was purchased, return your AT&T product to your place of purchase for immediate replacement. After 30 days call us toll free at 1 800 222-3111 for the address of an authorized service location. If you ship your AT&T product to the authorized service location, you must prepay all shipping costs. We suggest that you retain your original packing material in the event you need to ship your AT&T product. When sending your AT&T product to a service location, include your name, address, phone number, proof of date of purchase, and a description of the operating problem. After repairing or replacing your AT&T product, we will ship it to your home at no cost to you.

Repair or replacement of your AT&T product at an authorized service location is your exclusive remedy.

(Continued)

AT&T Limited Warranty *(continued)*

What this warranty does not cover:

This warranty does not cover defects resulting from accidents, damage while in-transit to our service location, alterations, unauthorized repair, failure to follow instructions, misuse, fire, flood, and acts of God. Nor do we warrant your AT&T products to be compatible with any particular telephone equipment or party line, key telephone systems or more sophisticated customer premises switching systems. If your AT&T product is not covered by our warranty, call us toll free at 1 800 222-3111 for advice whether we will repair your AT&T product and other repair information, including charges. We, at our option, may replace rather than repair your AT&T product with a new or reconditioned one of the same or similar design. The repair or replacement will be warranted for 90 days.

This warranty is the only one we give on your AT&T product, and it sets forth all our responsibilities regarding your AT&T product. There are no other express warranties.

State Law Rights:

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

FCC Registration and Repair Information

Your new AT&T product has been registered with the Federal Communications Commission (FCC). This product complies with standards in Part 68 of the FCC Rules. The FCC requires us to provide you with the following information:

1. Connection and use with the nationwide telephone network

The FCC requires that you connect your product to the nationwide telephone network through a modular telephone outlet or jack. The modular telephone outlet or jack to which the telephone must be connected is a USOC RJ-11C or RJ-11W or RJ-14C or RJ-14W.

This equipment may not be used with Party Line Service or with Coin Telephone Lines.

2. Notification of the telephone company

The FCC requires that upon request of your local telephone company you provide the following information:

A. The "line" to which you will connect the telephone equipment (that is, your phone number), and

B. The telephone equipment's FCC registration number and ringer equivalence number (REN). These numbers are on the back or bottom of your telephone equipment.

The REN is useful to determine how many devices you may connect to your telephone line and still have them ring when your telephone line is called. In most, but not all areas, the sum of all REN's should be 5 or less. You may want to contact your local telephone company.

3. Repair instructions

If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular outlet until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC. For repair procedures, follow the instructions outlined under the AT&T Limited Warranty.

4. Rights of the telephone company

If your product is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. If possible, they'll notify you before they interrupt service. If advance notice isn't practical, you'll be notified as soon as possible. You'll be given the opportunity to correct the problem, and you'll be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your AT&T product. If such changes are planned, you'll be notified.

(Continued)

FCC Registration and Repair Information *(continued)*

5. This telephone is compatible with inductively coupled hearing aids.

6. Programming/testing emergency numbers

Although testing the programming of emergency numbers is not a recommended procedure, if you do make a call to an emergency number:

A. You must remain on the line and briefly explain the reason for the call before hanging up.

B. Programming/testing of emergency numbers should be performed in the early morning or late evening (off-peak hours).

Interference Information: Part 15 Of FCC Rules

Some telephone equipment generates and uses radio-frequency energy and, if not installed and used properly, may cause interference to radio and television reception.

Your AT&T product has been tested and found to meet the standards for a Class B digital device, as specified in Part 15 of the FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If your AT&T product causes interference to radio or televison reception when it's in use, you might correct the interference with any one or all of these measures:

- Where it can be done safely, reorient the receiving television or radio antenna.
- To the extent possible, relocate the television, radio or other receiver with respect to the telephone equipment.
- If your telephone product runs on AC power, plug your product into an AC outlet that's not on the same circuit as one used by your radio or television.

If you need assistance, you can call our National Sales and Service Center at 1 800 222-3111.

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Other Fine AT&T Products for Your Home or Small Business

AT&T now offers a wider range of products than ever before, to make your life at home and at the office even more convenient:

- *Corded and Cordless Telephones*
- *Answering Systems*
- *Intercom/Speakerphone Systems*
- *Accessories and Home Wiring Products*

Many products are also available for lease, offering you the comprehensive protection that only AT&T Lease Service Guarantees can provide.

For more information on leasing and purchasing AT&T products and for information on the AT&T Phone Center nearest you, call toll free 1 800 555-8111.

If your AT&T product ever needs repair, return it to an authorized service center along with a completed copy of this form. If you have questions about service, call the AT&T National Sales and Service Center at 1 800 222-3111.

AT&T

Proof of Purchase

Two-Line Telephone 712

Service Return Form

Date of Return _____

Your Name _____

Your Address _____

_____

Date Of Purchase _____

Place of Purchase _____

_____

_____

(Attach Sales Receipt and Proof of Purchase)

Daytime Phone Number (____) _____

Description of Problem _____

_____

_____

_____

_____

_____

_____

For information call toll free: 1 800 222-3111

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