

# **P** **USER'S GUIDE** **-TOUCH**

 **Model PT-20/25**

**brother**<sup>®</sup>

# INTRODUCTION

This machine will help you design and print labels for any application. Extremely versatile, it can create characters of many sizes and styles. In addition, with the use of optional font cartridges and colorful tape cartridges, you can print labels with different letter styles and colors.

You no longer have to worry about rushing tasks that require professional-type printing. The quality and performance of this machine makes it very versatile indeed.

Although this machine is easy to use, we suggest that you read this manual carefully before starting. Please keep the manual in a handy place for future reference.

Good luck! We hope you enjoy making custom labels.

## FCC NOTICE

**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/television technician for help.

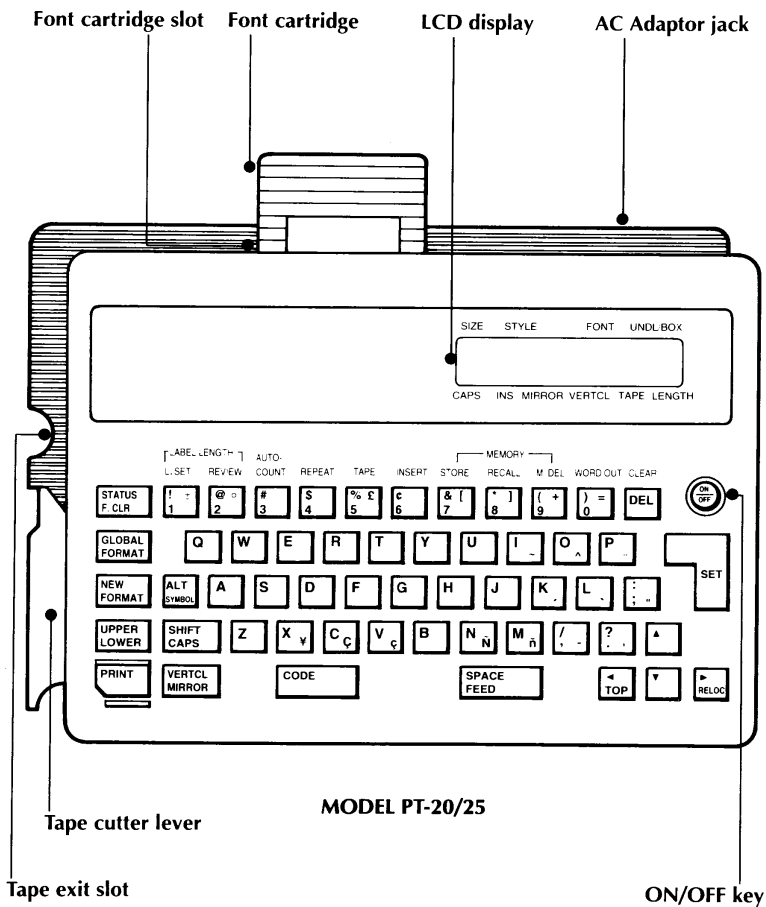
**Patent numbers and patent publication numbers which are related to this product are as below:**

USP4839742	USP4983058	EP315369 (Pending)	GB2223740
USP4922063	USP5009530	EP322918	
USP4927278	USP5069557	EP322919	
USP4966476	USP5120147		
USP4976558			

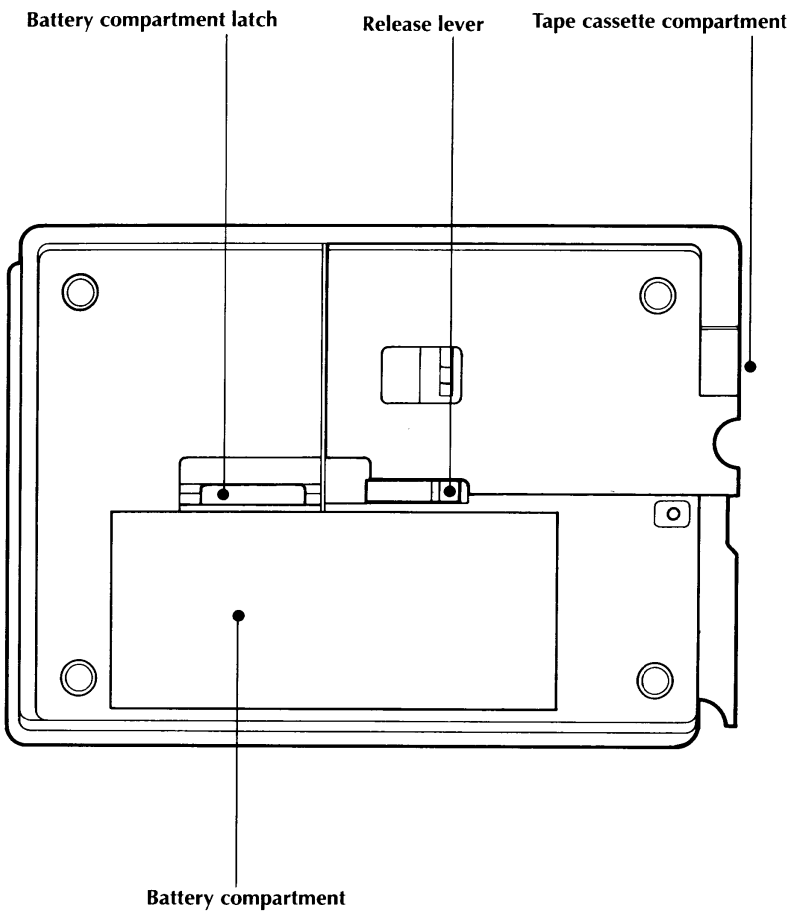
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# OVERVIEW



● This illustration is model PT-20.



## GENERAL PRECAUTIONS

- Do not pull the tape. This may damage the tape cassettes.
- Do not clean the machine with alcohol or other organic solvents. Use only a soft, dry cloth.
- Remove the batteries and/or disconnect the AC Adaptor if you do not intend to use your machine for an extended period of time. (Note: When power is disconnected, any messages in the working area or the Message Memory area will be lost.)
- Use only the AC Adaptor designed exclusively for this machine.
- Do not put anything onto or into the machine.
- Do not expose the machine to high temperatures or high humidity. Never leave it on the dashboard or in the back of your car.
- Do not use the machine in dusty places. Keep it out of both direct sunlight and rain.
- Do not leave any rubber or vinyl on the machine for an extended period of time. Doing so may cause staining.
- After inserting a new tape cassette, advance the tape by holding down the CODE key, pressing the FEED key once, and cutting the tape.
- Do not touch the print head mechanism. If the head is touched, clean it immediately with a soft wipe (e.g. cotton swab) to avoid permanent damage.

## BEFORE YOU START

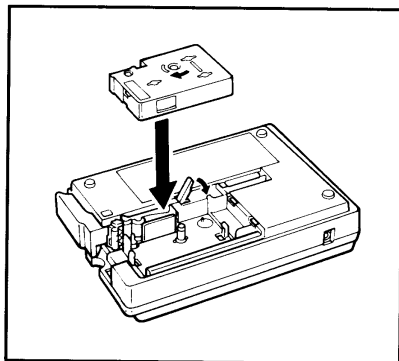
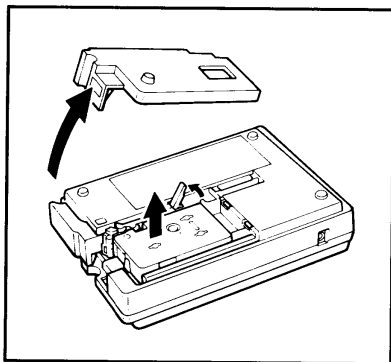
### INSERTING A TAPE CASSETTE

A tape cassette is supplied with this unit.

#### To insert a new tape cassette:

- (1) Turn the machine over. Remove the tape cassette compartment cover by pressing in the ribbed portion and lifting.
- (2) Remove the paper locking plate from the new tape cassette. Use your finger to wind the tape in the direction of the arrow on its case two full times.
- (3) Insert the new tape cassette firmly into the compartment. Replace the compartment cover. Push down the yellow release lever to lock the tape into place.
- (4) Advance the tape by holding down the CODE key and pressing the FEED key once cut the tape.

- Note:**
- When inserting a tape cassette, make sure that the inner ribbon does not get caught on the corner of the vertical metal securing stand.
  - Never push or pull on the small blue pin in the tape cassette compartment.



## INSERTING BATTERIES

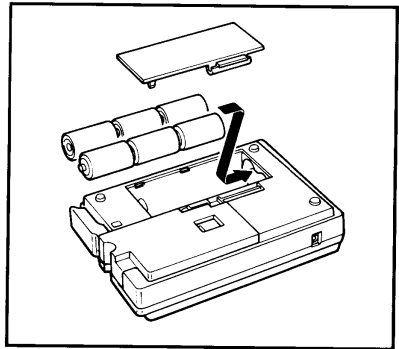
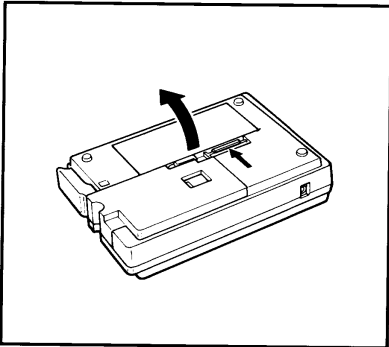
The machine uses six C-type batteries.

### To insert batteries:

- (1) Turn the machine over. Remove the battery compartment cover by pressing the latch and lifting.
- (2) Follow the diagrams on the back of the compartment to insert the batteries in the proper direction.
- (3) After inserting the batteries, re-fit the battery compartment cover.

**Note:** When "BATTERY WEAK!" is displayed, replace the batteries.

- Alkaline batteries are recommended.
- An optional AC Adaptor is available.



**Note:** When replacing batteries, do so in three minutes or less. Otherwise, unless an optional AC Adaptor is attached, any messages in the working area or Phrase Memory will be lost.



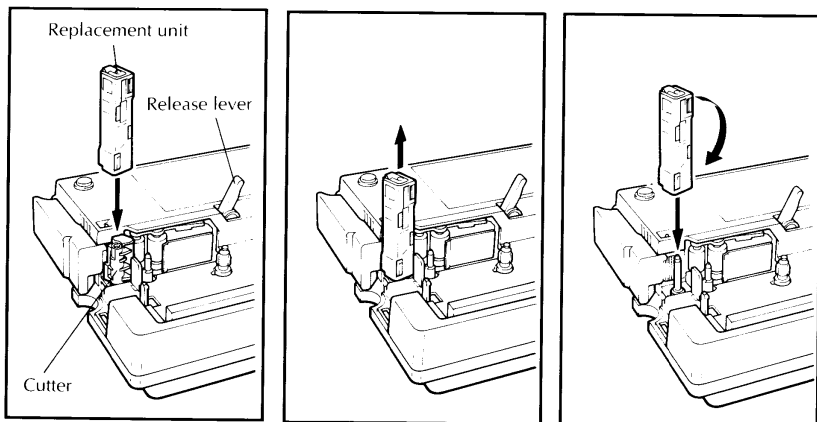
## CHANGING THE CUTTER UNIT

Whenever the cutter does not cut well, replace it with a new blade.

### To replace a dull or broken blade:

- (1) Turn the machine over. Lift and remove the tape cassette compartment cover. If a tape cassette is installed, carefully remove it. Push the empty side of the replacement unit down to grasp the old cutter.
- (2) Pull the replacement unit up to remove the cutter.
- (3) Turn the replacement unit over and line up the plastic teeth of the new cutter unit with the teeth on the machine's gear.
- (4) Push the replacement unit down to insert the new cutter into the machine.
- (5) Replace the compartment cover. Push down the yellow release lever.

**Note:** *The expected life of the unit's cutter is approximately 3000 cuts.*



## **STARTING**

### **To start the machine:**

- (1) Press the ON/OFF key.

The machine's internal memory retains the last message created, and displays it when you turn on the machine. This feature allows you to stop work on a message, turn off the machine, and return to it later without having to re-enter the message.

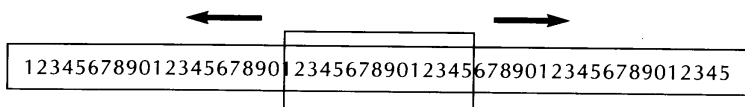
The machine has an automatic power down feature. If the machine is on, but is not used for about five minutes, it will automatically shut off. The message will be retained in memory until the machine is turned on again.

## CREATING A MESSAGE

### DISPLAY

You are now ready to create a message on the machine.

The machine's LCD display is fifteen characters wide. Actually though, you can create messages up to 99 characters in length. The fifteen-character display is like a window which moves across your message.



### MOVING THE CURSOR

You can review and edit different parts of your message by moving the cursor backward and forward.

#### To move the cursor through your message:

Press the ◀ or ▶ keys to move the cursor one space at a time.

- Note:**
- Hold down the CODE key and press the TOP key to return the cursor to the beginning of a message.
  - Hold down the CODE key and press the RELOC key to advance the cursor to the end of a message.

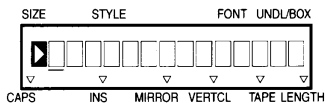
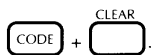
## CLEARING THE DISPLAY

Before entering a new message, you will often need to clear an old message.

### To erase the previous message from the display:

Hold down the CODE key and press the CLEAR key.

**Example** ● Erase any message from the display by pressing



In the following examples, we will work through a sample message, first creating it, then editing it, next printing it, and finally storing it in the machine's memory.

For the purpose of this example, suppose you are J. Smith, and you want to make a label with your name, telephone number, and department.

## **KEY OPERATIONS**

### **CODE KEY**

By holding down the CODE key and pushing the appropriate key, you can use the functions written in green characters.

### **SHIFT KEY**

By using the SHIFT key you can type capital letters, and symbols located on the upper part of keys. To type a capital "A", hold the SHIFT key down and push the "A" key. To type a "%" sign (located above the "5"), hold the SHIFT key down and push the "5" key.

### **CAPS KEY**

By holding down the CODE key and pressing the CAPS key, you set the machine into CAPS mode. When this mode is entered, the triangular CAPS indicator on the display turns on. In CAPS mode, capital letters can be typed simply by pressing the character keys. If number keys are pressed, numbers -- not the symbols above them -- result. For this reason, CAPS mode is particularly useful for creating messages containing many numerals and capital letters. To exit CAPS mode, press the CODE key and the CAPS key again.

### **ALT KEY**

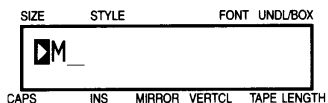
By using the ALT key you can type various symbols marked on the keys in red. To type a symbol located on the right side of a key, hold down the ALT key and press the key on which the desired symbol is marked.

## INPUT

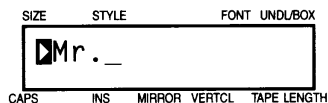
You can now use the keys to enter a message.

**Example** To input "Mr.":

- Press  +  to input a capital M.



- Complete "Mr." by pressing  then .



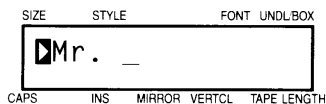
## SPACE KEY

As on a typewriter, this machine's SPACE key lets you add a blank space into your message.

**Note:** The SPACE key and the ► key have different functions. The ► key moves the cursor forward without adding blank spaces

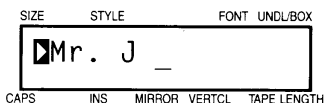
**Example** To complete the message "Mr. J Smith":

- Press  once to add a blank space.



**Next enter the initial "J":**

- Press  +  to input a capital J.
- Add a blank space by pressing  once. .



- Complete the message by entering "Smith".



- If you make any mistakes during this input do not worry.  
Simply press   to remove the last character, and input correctly.

## COMPOSITE CHARACTERS

You can create composite characters, consisting of a letter and an accent.

The accents available are ` , ` , ^ , and ~ .

### To input a composite character:

- (1) Press the appropriate keys to enter the accent you want.
- (2) Press the key of the letter you wish to join with the accent.

The letter and accent will be displayed alternatively.

**Note:**

- *If the letter cannot be properly combined with the accent, the letter will take the place of the accent.*
- *If you press the ◀ key , ▶ key, or PRINT key after inputting the accent, the screen will display the ERROR message, then return to normal. To continue inputting your message, you must either choose a letter that can be combined with the accent or delete the mark.*



## SYMBOLS



In addition to the 52 letters, 36 symbols, and 10 numerals on the key tops, there are 89 symbols available in Symbol Mode. These 89 additional symbols are arranged into 15 groups, corresponding to the letters A to O on the keyboard.

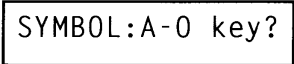
S	Y	M	B	O	L	:	A	:	á	í	ó	é	ú	¶				
S	Y	M	B	O	L	:	B	:	ü	Û	Æ	æ	ª	º				
S	Y	M	B	O	L	:	C	:	ï	¿	×	+	<	>				
S	Y	M	B	O	L	:	D	:	02	l	b	f	t	i	n	°	F	r
S	Y	M	B	O	L	:	E	:	2	3	4	5	6	7				
S	Y	M	B	O	L	:	F	:	8	9	↑	↓	→	←				
S	Y	M	B	O	L	:	G	:	↖	↘	↗	↙	★	●				
S	Y	M	B	O	L	:	H	:	■	○	□	☎	☎	\				
S	Y	M	B	O	L	:	I	:	♠	♀	{	}	²	³				
S	Y	M	B	O	L	:	J	:	♠	§	½	¼	€	æ				
S	Y	M	B	O	L	:	K	:	∅	ø	~	≡	∞	±				
S	Y	M	B	O	L	:	L	:	▬	♠	♥	♣	♦	♣				
S	Y	M	B	O	L	:	M	:	♠	♪	®	©	™	°	C			
S	Y	M	B	O	L	:	N	:	♠	/	½	α	β	γ				
S	Y	M	B	O	L	:	O	:	♠	μ	∆	♠	♠					

**To input a symbol that is not on the key top:**

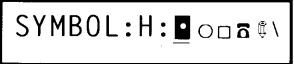
- (1) Hold down the CODE key and press the SYMBOL key to enter Symbol Mode.
- (2) The display will read: "SYMBOL: A – O key?"
- (3) Press the key of the letter from A to O whose group contains the symbol you want. That letter's group of symbols will be displayed.
- (4) Use the ◀ key or ▶ key to move the cursor to the symbol you want.
- (5) Press the SET key.


**Example** To add a telephone symbol (☎) to the message, changing the message to "Mr. J Smith ☎":

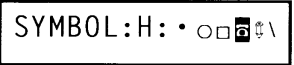
- Enter Symbol Mode by pressing  + .
- The following message will be displayed:

SIZE          STYLE          FONT UNDL/BOX  
  
 CAPS          INS          MIRROR VERTCL TAPE LENGTH

- Press the H key, as its group includes the telephone symbol.


SIZE          STYLE          FONT UNDL/BOX  
  
 CAPS          INS          MIRROR VERTCL TAPE LENGTH

- Move the cursor to ☎ by pressing .

SIZE          STYLE          FONT UNDL/BOX  
  
 CAPS          INS          MIRROR VERTCL TAPE LENGTH

- Push  to input a .

The message should now look like this:

SIZE	STYLE	FONT UNDL/BOX
Mr. J Smith  _		
CAPS	INS	MIRROR VERTCL TAPE LENGTH

After a non-keyboard symbol has been entered, the machine automatically exits from Symbol Mode. If you wish to enter another symbol, you must re-enter Symbol Mode by holding down the CODE key and pressing the SYMBOL key.

## EDITING A MESSAGE

### DELETING

The DEL key allows you to remove characters from your message.

#### To delete a character:

- (1) Use the ◀ key or ▶ key to position the cursor one space to the right of the character you want to delete.
- (2) Press the DEL key.

After deletion, the cursor stays in the same position until all remaining characters to its left appear on the display.

If further deletions are made, the cursor and all characters following the deletion (including blank spaces) move one space to the left.

#### Example To delete the ☎ from the message:


- Make sure the cursor is positioned to the right of the telephone symbol.

Mr. J Smith☎\_


- Press  to remove the ☎.

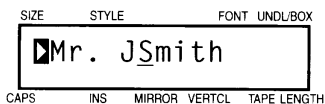
Mr. J Smith\_

Now we will delete the blank space between the "J" and "S":

- Press  until the cursor is positioned to the right of the blank space (under the "S").



- Press  to remove the blank space.



## WORD OUT


This function allows you to erase one word at a time, simplifying the editing of long messages.

### To use the Word Out function:



- (1) Position the cursor to the right of the word you want to delete.
- (2) Hold down the CODE key and press the WORD OUT key.

**Note:** A number or word located before the cursor and after a space or mode mark can be deleted.

#### Example To delete the word "Mr." from the message:

- Press  to position the cursor under the "J".



- Press  +  to delete "Mr." and the blank space.



## OVERTYPING

In Overtyping Mode, you can change a character simply by typing a new one in its place.

### To type over a character:

- (1) Move the cursor to the character you want to change.
- (2) Press the character or symbol you want.

The new character replaces the old one in the message.

#### Example To replace the lower-case letters "mith" with capital letters:

- Position the cursor under the "m".

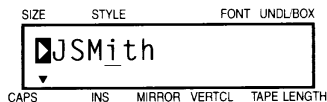


- Switch to CAPS Mode by pressing  + .  
The CAPS indicator will light.

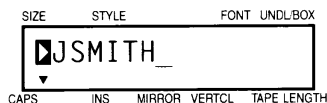
- Make sure that INSERT mode is off.

If the Insert indicator is on, press  + .  
The indicator should now be off.

- Press the M key.



- Complete the process by typing the letters "ITH".





## INSERTING

Sometimes you may want to insert a character into the middle of your message. To do so, you must change from Overtyping Mode to Insert Mode.

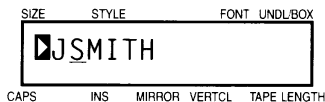
### To insert characters:



- (1) Move the cursor to the character to the right of the position where you want to insert.
- (2) Hold down the CODE key and press the INSERT key to enter Insert Mode. (Check to be sure the insert indicator appears in the display.)
- (3) Press the keyboard character or symbol you want to add, or choose an auxiliary symbol in Symbol Mode (see SYMBOLS).

All characters following the insertion will move one space to the right.


#### Example To insert a period into the message, changing it to "J. SMITH":

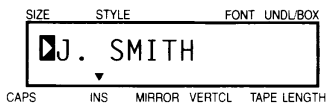
- Position the cursor under the "S".



- Enter Insert Mode by pressing  + .

(Check to be sure the insert indicator appears in the display.)

- Press the period  key.



### **To leave Insert Mode:**

You can leave Insert Mode by pressing the CODE key and the INSERT key. When you leave Insert Mode, you automatically return to Overtyping Mode.

## SETTING THE FORMAT

You can set and modify the format for your messages by selecting from a variety of character sizes, styles and fonts. In addition, boxes and underlines can be added to the entire text or to a part of the text for emphasis. Choose the features you want to use before printing the label.

### SIZE

The five available character sizes are shown below. These sizes can be used in various combinations within the text you are printing.

Standard Size (1)

**J.SMITH**

Double Width (2)

**J. SMITH**

Double Height (3)

**J.SMITH**

Double Width & Double Height (4)

**J.SMITH**

4 x Width & Double Height (5)

**J. SMITH**

## STYLE

There are four different character styles. They are shown here. These styles can be used in various combinations within the text you are printing.

NORMAL

J.SMITH

OUTLINE

J.SMITH

BOLD

J.SMITH

SHADOW

J.SMITH

## FONT

There are seven fonts that can be selected for general text. Five of these are maintained in the machine's internal memory. If you wish, you can make labels with different type fonts by using an optional font cartridge. Samples of these fonts are shown below.

### To install a font cartridge:

- (1) Turn off the machine by pressing the ON/OFF key. Your message will be retained in memory.
- (2) Insert a font cartridge firmly into its slot in the back of the machine.
- (3) Turn the machine back on.

**Note:** *Never insert or remove the font cartridge while the power is on.*

**BIG 1**

**Lori PS**

**BIG 2**

***Lori Italic PS***

**BIG 3**

**Anelia PS**

**Small**

## UNDERLINE/BOX

You can underline or frame text to add emphasis to selected expressions. The following symbols indicate which style has been selected.

T : Normal

T : Underline

□ : Box

**Note:** *If you have selected the box feature for use with your text, the top of some composite characters may touch the frame when printed.*

Á Ó Ú Ö Ü

## FORMAT STATUS

The STATUS key is used to display the print format settings that have been set for the text stored in memory.

- (1) Use the ◀ key or ▶ key to position the cursor on the marker at the beginning of a section of text. (under a ◻, ▶, ▲, ▼ or mark)
- (2) Press the STATUS key to learn which conditions have been set for that format.

SIZE	STYLE	FONT	UNDL/BOX	
1	NORM.	LORI	T	
CAPS	INS	MIRROR	VERTCL	TAPE LENGTH

The settings that are displayed will vary according to the type of mode marker that precedes the text. Mode markers indicate which mode will be used for printing the text that follows the marker. The following modes are available on this machine: Global, Local (New), Upper and Lower.

- ◻ : Global format
- ▶ : Local (New) format
- ▲ : Upper mode
- ▼ : Lower mode

The global format marker will automatically appear on the screen whenever you begin to enter a new message. This is used to indicate that the global (general) format will be used for your message until the point where any format changes are entered.

The local (new) format mark shows where a new print format will begin. Upper and lower mode marks appear in 2-line messages to indicate the beginning of each line.

Settings that can be modified vary according to the type of format that has been indicated by the mode marker. The printing conditions for each type of format are shown below.

Global format: Size, Style, Font, Underline/Box

Local (New) format: Size, Style, Underline/Box

Upper/Lower modes: Style



## MAKING FORMAT SETTINGS

The format settings can be modified by following the procedures described below.

- (1) Position the cursor on the mode marker preceding the text you want to change the settings of.



- (2) Press the STATUS key to bring up the status screen.

### To choose a character size:

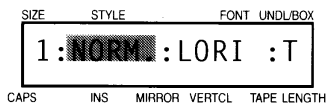
- (3) Use either the ▲ or ▼ key to change the number shown in the display.



- Note:**
- The size can only be changed for the Lori, or optional Anelia or italic fonts.
  - The size cannot be changed when double line printing mode, Big (1, 2 or 3) fonts, or Small font has been selected.

**To choose a character style:**

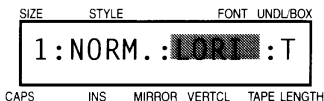
- (4) Press the ► key to highlight the STYLE selection.
- (5) Use either the ▲ or ▼ key to change the style selection shown in the display.



**Note:** *If one of the BIG (1, 2, or 3) fonts has been selected, the style cannot be changed. "FIXED" will appear on the display.*

**To choose a font:**

- (6) Press the ► key to highlight the FONT selection.
- (7) Use either the ▲ or ▼ key to change the font selection shown in the display.



- Note:**
- This setting is available only as a global format setting.
  - A "B" will appear on the screen under the SIZE and UNDL/BOX markers whenever a BIG font has been selected.
  - EXTERNAL fonts enable the use of Anelia or italic characters when loaded from a font cartridge. A font cartridge must be loaded to enable the selection of EXTERNAL fonts.
  - The BIG (1, 2, or 3) selections provide extra-large fonts for use as titles. Only capital letters are usable with these fonts. Any lower case characters in the message will be printed as upper case characters.

**To choose underlining or a box:**



- (8) Press the ► key to highlight the UNDL/BOX selection.
- (9) Use either the ▲ or ▼ key to change the underline/box selection shown in the display.

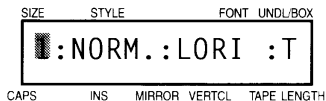


**Note:** This function is only usable with Lori, Small, or optional Anelia or Italic fonts.

- (10) When all format settings are as you wish, press SET.

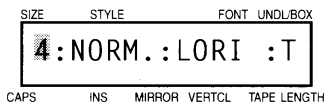
**Example To set the global settings for your message:**

- Position the cursor on a global format marker (  ), then press .






**Choose a new character size:**

- Use the  or  keys to change the SIZE to 4.



**Choose a character style:**

- Press the  key to highlight the STYLE selection.
- Use the  or  keys to change the STYLE to BOLD.



**Choose a new underlining or box setting:**

- Press the  key to highlight the UNDL/BOX selection.
- Use the  or  keys to turn on underlining (I).

SIZE	STYLE	FONT	UNDL	BOX
4	BOLD	:	LORI	: 
CAPS	INS	MIRROR	VERTCL	TAPE LENGTH

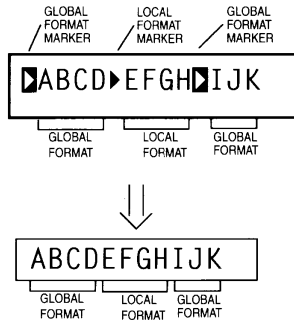
- Press .

If your message were printed now, all characters would be size 4, bold, and underlined.

## FORMAT CHANGES

Format settings can be changed to create a contrast between parts of a text by pressing the NEW FORMAT key. The following conditions can be changed to create a 'local' format for the text being worked with: Size, Style, Underline/Box (in other words, the font cannot be change on a local basis). The contrast that results from changing these conditions will provide interesting, eye-catching, effects for the text being printed.

Pressing the GLOBAL FORMAT key will enter a global mode marker (◻) at the cursor position. The general, or global, settings will automatically be in effect for the text that follows the marker.



### To change the format:

- (1) Position the cursor under the character preceding the text you want to format. Press the NEW FORMAT key.
- (2) Change the settings to your desired local format.
- (3) When all of the settings are as you wish, press SET.

A local format marker ▶ will appear at the cursor position in the text.

**Note:** ● The font selection cannot be changed using this process. Refer to the section MAKING FORMAT SETTINGS for details.

- *Local format settings can be changed at any time. Position the cursor under the local format marker (or to the right of the marker), and press the STATUS key. Follow the instructions provided above (starting from step 2).*
- *If the font setting for the global format is changed to BIG after making local format settings, the local format settings cannot be changed.*
- *All the mode markers located after the cursor will be deleted. However, this operation cannot be used to delete the global format marker located at the beginning.*

**To return to the Global Format:**

- (1) Use the ◀ key or ▶ key to position the cursor at the end of the local format text.



- (2) Press the GLOBAL FORMAT key. The global format marker (▣) will appear on the display at the cursor position. Any text entered following the marker will be printed using the global format conditions.

## DOUBLE LINE PRINTING

The double line printing operation allows you to print two lines of text, one on top of the other.

### To create a two-line message.

- (1) Use the ◀ key or ▶ key to move the cursor to start of the text you want printed on the upper line.
- (2) Press the UPPER key. The upper line marker (▲) will appear on the display.
- (3) Use the ◀ key or ▶ key to move the cursor to start of the text you want printed on the lower line.
- (4) Hold down the CODE key and press the LOWER key. The lower line marker (▼) will appear on the display. You can either enter all text and then insert upper and lower line markers, or enter an upper line marker, enter text, enter a lower line marker, and finish entering your message.

- Note:**
- *You can either enter all text and then insert upper and lower line markers, or enter an upper line marker, enter text, enter a lower line marker and finish entering your message.*
  - *Only the SMALL font can be used for double line printing. No other fonts are accessible for this type of printing.*
  - *The style selection can be changed for double line printing.*
  - *Position the cursor between the two double line markers ( ▲ and ▼ , or ▼ and ▲ ), then change style selection using the status key when you try to change the style.*
  - *“Both lines in double line printing must have the same style.”*



**Example** To add a telephone number and department name to the message.:

- Position the cursor after the "H". Press UPPER.

SIZE STYLE FONT UNDL BOX  
J. SMITH ▲  
CAPS INS MIRROR VERTCL TAPE LENGTH

- Type the telephone number "220-301-5111". Hold down CODE and press LOWER.

SIZE STYLE FONT UNDL BOX  
▲ 220-301-5111 ▼  
CAPS INS MIRROR VERTCL TAPE LENGTH

- Type the department name "Accounting Dept."

SIZE STYLE FONT UNDL BOX  
counting Dept. \_  
CAPS INS MIRROR VERTCL TAPE LENGTH

**Note:** To type a hyphen, hold down ALT and press the comma key.

## PRINTING A LABEL

### PRINTING & CUTTING

After you have finished setting all formats, you are ready to print the label.

#### To print the label:

Press the PRINT key.

The printed label comes out of the tape exit slot on the side of the machine.

#### Example To print the message onto a label:

- Press .

Your label will be printed.

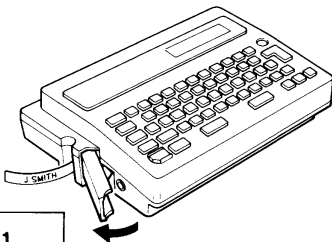
#### To cut the tape:

Pull out the tape cutter lever on the side of the machine.

- Note:**
- Do not pull on the tape. This may damage the tape cassette.
  - If you pull out the tape cutter lever too far, it may break.
  - Do not attempt to cut the tape during printing or feeding.

#### Example To cut the label:

- Pull out the tape cutter lever.

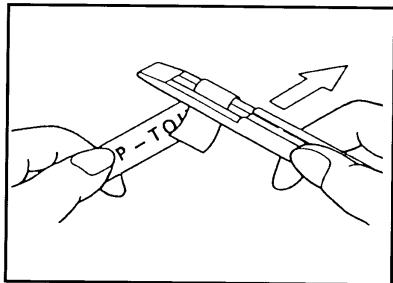
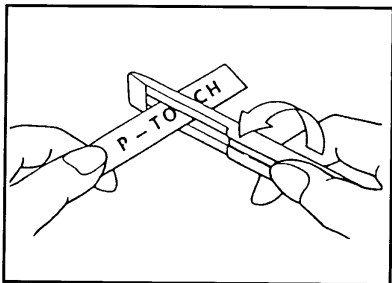


**J. SMITH** 220-301-5111  
Accounting Dept.

## HOW TO REMOVE LABEL BACKING

The enclosed stick enables the label backing of the tape to be removed easily.

- (1) Hold the tape with the printed surface towards you, and hold the stick in the right hand.
- (2) Pass the tape halfway through the long narrow hole in the stick.
- (3) After turning the stick inward halfway, pull the stick to the right.



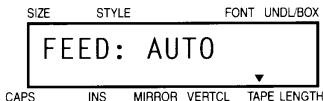
## TAPE FEED

The machine normally advances the tape after printing, resulting in equal left and right margins. Sometimes, however, you may want to add characters to the message you have printed. If you want to print a label that contains more than 99 characters, you may want to turn the feed function off. To do so, you must turn off the Auto Tape Feed Mode.

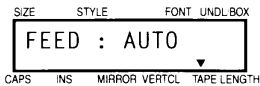
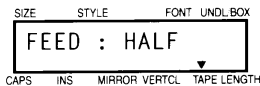
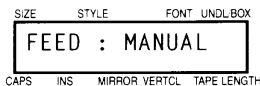
You can also change the tape feed to the right of the message by selecting the half feed function.

### To change the TAPE FEED mode:

- (1) Hold down the CODE key and press the TAPE key.
- (2) The current feed mode will appear on the display.



- (3) Still holding down the CODE key, press the TAPE key again. The display will change between the selections shown below.



- (4) When the mode you want to use appears on the display, release the CODE key.

## VERTICAL PRINTING

In addition to the regular horizontal print styles, printing can also be done vertically.

### To print vertically:

(1) Press VERTICAL. The vertical printing indicator will come on.

**Note:**

- *Each time the VERTICAL key is pressed, the function will toggle between vertical and horizontal printing. The vertical printing indicator will come on and go off to show which type of printing has been selected.*
- *Only size and Font settings can be varied in vertical printing.*
- *Special style and UNDERLINE/BOX cannot be selected. If they are selected, these settings will be ignored at the time of printing.*
- *Double line messages can be printed vertically.*
- *If one of the BIG fonts (1,2,3) have been selected, "NO VERTCL PRINT" will appear on the display, indicating that vertical printing is disabled.*
- *If the power is turned OFF, the vertical printing setting will be cancelled.*

## MIRROR PRINTING

When the Mirror Printing function is used, characters are printed so as to be legible from the adhesive side of the tape. If the labels are then attached to glass or some other transparent material, they can be read correctly from the opposite side. This type of label is particularly useful for attachment to the inside of shop windows or clear notebooks, so that it can be read from the outside. For this application, transparent tape must be used.



### To use Mirror Printing:

- (1) Hold down the CODE key and press the MIRROR key.
- (2) The mirror printing indicator will come on.

### To leave Mirror Printing Mode:

- (1) Hold down the CODE key and press the MIRROR key again.

**Note:** *If the power is turned OFF, this setting will be cancelled.*

## REPEAT PRINTING

The Repeat function allows you to print the same label up to 99 times with one push of the PRINT key.

### To use the Repeat Printing function:

- (1) Hold down the CODE key and press the REPEAT key.
- (2) The following message appears on the display:

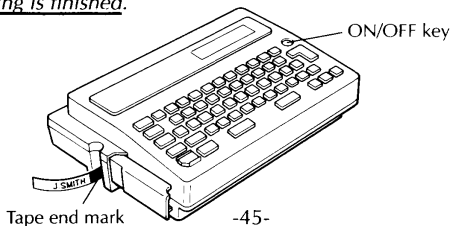
SIZE	STYLE	FONT	UNDL/BOX	
REPEAT: 1-99?#??				
CAPS	INS	MIRROR	VERTCL	TAPE LENGTH

- (3) Select the number of labels you want. For example, if you want ten labels to be printed, type 10.

**Note:** Before you enter a number you can cancel repeat printing by pressing the Delete key.

- (4) Press print.

- Note:**
- A maximum of 99 copies can be printed.
  - Cutting is not done automatically.
  - Avoid using the repeat printing function for long pieces of text, as the quality of the printout may deteriorate through overuse.
  - Before starting a repeat print, check that there is sufficient tape in the cartridge.
  - Never try to cut the tape during printing.
  - Press the ON/OFF key immediately if the tape runs out before printing is finished.

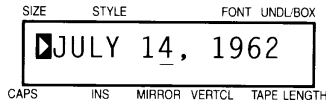


## AUTO COUNT

The AUTO COUNT function can be used to automatically increment numbers included in otherwise identical texts. For example, when printing text with a series of dates (“JULY 14, 1962”; “JULY 15, 1962”; and “JULY 16, 1962”), the auto count function will enable printing of all three texts in a single print operation.

### To use the AUTO COUNT function when printing:

- (1) Position the cursor beneath the number in the text to be incremented. Then hold down the CODE key and press the AUTO COUNT key.



- (2) The screen will ask you to enter the last number to be printed. (In the example described above, the last number would be 16.)
- (3) Press PRINT and the text will be printed out. Printing will be repeated, with the selected number incremented. This operation will continue until the last number is reached.

#### Note:

- Before printing, you can press the DEL key to erase the number you have entered. Pressing DEL again will exit the AUTO COUNT mode.
- The last number to be printed must be selected from within the range 1-99.
- If you enter a number that is lower than the one originally entered in the text (14 in the example), printing will be disabled, and an "ERROR!" message will appear on the display if you press the PRINT key.
- Numbers are always incremented one at a time.
- If the battery becomes weak during an AUTO COUNT operation, the operation will be interrupted.



## LENGTH REVIEW

This function shows the length of the current text in inches.

### To use LENGTH REVIEW:

- (1) Hold down CODE and press the REVIEW key combination. The length of the current text will be displayed (in inches). Release the CODE key to return to the text display.

- Note:**
- *The length of the text is based on the style and size of the characters that have been entered.*
  - *The length of the tape feed is also included in this calculation. This is based on the AUTO setting, regardless of the tape feed setting or the length setting.*

## LENGTH SET

This function lets you specify the length of the label to be created. The text is printed with even spacing to fill the length of tape as specified.

### To use LENGTH SET:

- (1) Hold down the CODE key and press the L.SET key. The previous tape length setting will appear on the display. If the length set feature was turned off or not selected previously, the message "LENGTH:OFF" will appear on the display.
- (2) Still holding down the CODE key, press the L/SET key again. The LENGTH indicator under the display will come on. You can now release the CODE key.
- (3) Use the ▲ or ▼ keys to change the setting shown on the display in 0.2-inch increments. (The default setting is 6 inches.)

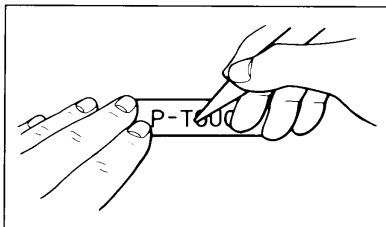
#### **Note:**

- *The tape feed length can be specified in the range 2.0 inch - 9.8 inch.*
- *When this function is used, only AUTO tape feed is available.*
- *The automatic justification function will add an equal space between each word.*
- *If the length specified is too short to print out the text, a "TAPE TOO SHORT!" message will appear on the display and printing will be disabled.*
- *If the power is turned OFF, this setting will be disabled.*

### INSTANT LETTERING TAPE (RUB-ON CHARACTER)

Instant lettering tapes act as rub-on character transfers. After creating a message, simply position the tape over a sheet of paper. By rubbing the instant lettering tape's non-printed side with the enclosed stick, you can transfer the tape's contents directly onto the paper.

**Note:** *Hold the tape tightly and do not move while rubbing.*

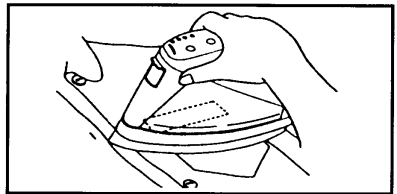
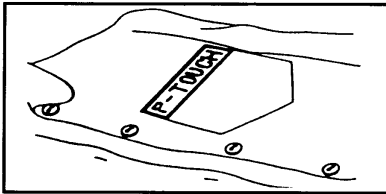


## IRON ON TRANSFER TAPE

### TRANSFERRING:

You can transfer labels onto garments by pressing them with an iron.

- (1) After entering your message, print the label by pressing the print key.
- (2) Press the garment with an iron to flatten it before transferring the message.
- (3) Place the label on the garment at the location where you wish the message to be transferred to.
- (4) Press over the label strongly with the iron set to cotton (150°C - 180°C/300°F - 350°F) for about 15 seconds.
- (5) Allow to cool for about 10 seconds, then remove the backing tape carefully.



- Note:**
- *Transfers will be most successful on white garments made from 100% cotton with a plain (smooth) surface. You can also make transfers to garments made from 100% linen or cotton and polyester mix as long as they have a plain (smooth) surface.*
  - *Any cloth with a rough surface such as pile or denim, or a waterproof surface is not suitable for transferring labels because the label will not adhere to the surface properly. Heat-sensitive cloth is unsuitable as it may be damaged when pressing with an iron at high temperature.*
  - *It is necessary to transfer the label at high temperatures. Therefore do not use on sensitive materials such as nylon, acetate or other similar fibers.*

- *Do not move the iron while pressing. The label may move out of the desired position. Press by holding the iron vertically down onto the cloth.*
- *After the backing tape has been removed, the transferred label may appear glossy. Some white spots may appear when the backing tape is removed. These can be removed by ironing over that area after placing a piece of cloth between the label and the iron.*
- *The label will appear to have a white background on colored cloth.*
- *Once applied, the transferred label cannot be removed so make all transfers with care.*

#### **WASHING:**

You can wash garments with transferred labels over 20 times if the label has been transferred correctly. Normal detergents found in the home may be used.

If the garment with the transferred label is placed in bleach for a length of time, discoloration may occur.

Be careful that hard objects such as buckles or buttons do not come into contact with the label during the wash.

Do not dry clean garments which have had transfer labels applied.

#### **DRYING:**

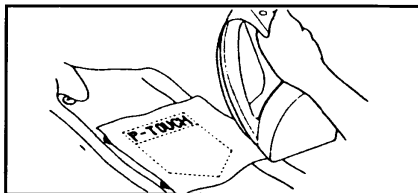
You may drip dry garments with transfer labels, either indoors or outdoors.

Do not tumble dry at high heat setting. The transfers will come off and may stick to other items of clothing.

## **PRESSING:**

Iron garments containing transfers using normal temperature settings.

Make sure to place some cloth between the iron and the label when you iron over it for fear that the transferred label should stick to the iron.



The labels are non toxic and there are no materials regulated by law used in them. However, please maintain common sense precautions to prevent children from placing them in their mouths, etc.

Do not store the tape cartridge in direct sunlight, or in an area of high humidity or dust.

## PHRASE MEMORY OPERATION

### PHRASE MEMORY

You can use the Phrase Memory function to store your most frequently used messages. Text stored in the Phrase Memory will not be deleted by the usual message clear operation (CODE + CLEAR).

You can easily recall your message from this Phrase Memory any time you want to work with it.

### MEMORY SIZE

In the Message Phrase Memory, you can store approximately 1,500 characters (with model PT-25), or 1,200 characters (with model PT-20).

These 1500 or 1200 characters can be divided into as many as 99 areas.

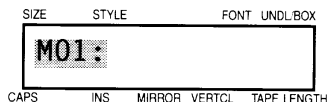
The maximum capacity for any single area is 99 characters.

- Note:**
- *When you remove or replace the batteries, any messages in the Phrase Memory will be lost (unless an optional AC Adaptor is attached).*
  - *When replacing the batteries, do so quickly (in three minutes or less) so the data in the Phrase Memory will not be lost.*

## STORING THE MESSAGE

### To store the currently displayed message in the Phrase Memory:

- (1) Hold down the CODE key and press the STORE key.
- (2) The display will read:



- (3) Press the ▲ key or ▼ key to select a storage area.
- (4) Press the SET key.
- (5) Your message is stored in the memory area you selected, and the machine leaves the mode after the message "STORED" appears.

If all 99 areas are being used, you must clear one of them before you can store your current message.

Also, when 1500 characters (PT-25), 1200 characters (PT-20) are already stored in the Phrase Memory and you try to store more, the message "MEMORY FULL!", appears on the display. You must delete one of the memory areas before you can store your current message.

See DELETING THE MESSAGE MEMORY.

**Note:**



- When no message has been entered and you try to store, a "NO TEXT!" message will appear on the display. If you hold down the CODE key and press the STORE key.
- Unused memory areas will be called up on the display starting from the smallest memory area number that remains available. (For example, if memory area MO2 has been used, the display will show MO3, MO4 etc. MO2 will not be shown on the display.)

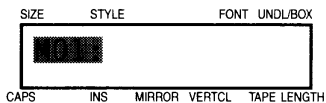



**Example** To store your message in the Phrase Memory.

- Make sure the message is in the working area (on the display).



- Press  + . The following guidance message appears on the display:



- Press  key.

**Note:** Before you press the SET key you can cancel storage by pressing



## RECALLING FROM PHRASE MEMORY

To recall a message stored in one of the 99 Phrase Memory areas:

- (1) Hold down the CODE key and press the RECALL key.
- (2) The display will read:



- (3) Select the message you wish to recall by pressing the ▲ key or ▼ key.
- (4) You can press the ◀ key or ▶ key to scroll the message.
- (5) When your desired message is on the screen press the SET key.
- (6) The message "O.WRITE/INSERT?" appears.
- (7) Select "O.WRITE" or "INSERT" by pressing the ◀ key or ▶ key.

If you select "O.WRITE" (Overwrite), any message currently on the display is cleared. If you select "INSERT", you can insert the text into the message currently on the display.

- (8) The Phrase Memory you select is recalled into the working area.

### Note:

- Either the last memory registered or the message currently called up will appear first on the display.
- The character size, print style, underline, box, upper, lower and type font of the recalled message will be recalled. Print options such as Tape feed/Vertical/Mirror/Insert/Length/Repeat/Auto Count will not be saved along with its text.
- When you have selected INSERT and are attempting to call up data from memory, if the text will be more than 99 characters long, a "BUFFER FULL" message will appear on the display and you will not be able to call the data up from memory.
- When you have selected INSERT, the current global format settings will be used. When you have selected O.WRITE and no external fonts (from a font cartridge) are being used, the FONT setting used

for the memory called up will automatically change to LORI.

- If no Phrase Memory has been stored, a "NO TEXT!" message will appear on the display.

**Example** To recall your message from the Phrase Memory:

- Press **CODE** + **CLEAR** to clear the working area.
- Press **CODE** + **RECALL**. The following message appears on the display:



- Press **SET**.
- Since "O.WRITE" is O.K., press **SET**.
- The message is copied to the working area and remains on the display.

Remember to re-select your desired print options before printing.

**Note:** Before you press **SET** you can cancel the recall operation by pressing **DEL**.

## DELETING THE PHRASE MEMORY

### To delete an area of Phrase Memory:

- (1) Hold down the CODE key and press the M.DEL key. The number and the beginning of the last memory registered will appear on the display.
- (2) Use the ▲ key or ▼ key to select the text you want to delete.
- (3) When your desired message is on the screen, press the SET key.
- (4) The message "ARE YOU SURE?" will be displayed. Press the SET key to confirm or the DEL key to return without deleting the Phrase Memory area.
- (5) The Phrase Memory area is cleared and the message previously in the working area reappears after the message "DELETED" is shown briefly on the display.


### Example To delete your text from the Phrase Memory:

- Press  + . The following screen appears on the display:



**Note:** If no Phrase Memory has been stored, a "NO TEXT!" message will appear on the display.

- Press the SET key, an "ARE YOU SURE?" message will appear on the displayed.
- Press . The message is deleted from the memory. The message previously in the working area (in this case, the same "J.SMITH") appears after the message "DELETED" is shown briefly on the display.

**Note:** Before you press  you can cancel deletion by pressing



Now you can use the cleared memory area MO1 to store another message.

## INITIALIZING THE MEMORY

By initializing the memory, you can erase all memories that have been stored, including the Phrase Memory. When this operation is carried out, all settings return to their defaults.

### To Initialize the Memory:

- (1) Turn the power OFF.
- (2) While holding down the CODE key and the CLEAR key, turn the power ON. An "CLEAR ALL MEM?" message will appear on the display.
- (3) Press the SET key. An "ARE YOU SURE?" message will appear on the display.








- (4) Press the SET key again. The message "DELETED ALL MEM" will appear on the display. All of the memories have now been deleted.



**Note:** You can cancel memory initialization by pressing the DEL key instead of the SET key at steps 3 or 4 above.

# MESSAGE LIST

<b>ERROR!</b>	Input error.
<b>BATTERY WEAK!</b>	The batteries are weak.
<b>BUFFER FULL!</b>	The working area is full (max: 99 characters).
<b>MEMORY FULL!</b>	The Phrase Memory is full (see page 54).
<b>NO EXTERNAL CG!</b>	The font cartridge is not inserted properly. If this message appears when printing, turn the power off, re-insert the cartridge properly, select the font and print again.
<b>NO TEXT!</b>	There is no data in the Buffer Memory. There is no data in the Phrase Memory.
<b>TAPE TOO SHORT!</b>	When setting the tape length, the tape is not long enough to hold all the text. See page 48.
<b>NO VERTCL PRINT</b>	Vertical printing is not available using the selected font (BIG1, 2 or 3)
<b>ERROR! GO TO </b>	The STATUS key was pressed but the cursor was not on a  mode mark. Position the cursor on a mode mark and press STATUS.
<b>SYMBOL: A-O key?</b>	See page 16.
<b>REPEAT: 1-99?#</b>	See page 45.
<b>UNTIL : 1-99?#</b>	AUTO COUNT mode is selected.
<b>/INSERT?</b>	Select OVERWRITE or INSERT. See page 56.
<b>M01:</b>	See page 54.
<b>STORED</b>	Data storage has been completed. See page 54.
<b>DELETED</b>	The data in the Phrase Memory has been deleted. See page 58.
<b>FEED: AUTO</b>	See page 42.
<b>FEED: MANUAL</b>	
<b>FEED: HALF</b>	
<b>LENGTH: 6.0 INCH</b>	LENGTH SET is selected. Set the tape length. See page 48.
<b>LENGTH: OFF</b>	LENGTH SET is canceled. See page 48.

<b>CLEAR ALL MEM?</b>	OK to delete the data in the Phrase Memory and the Buffer Memory? See page 60.
<b>ARE YOU SURE?</b>	
<b>DELETED ALL MEM</b>	The data in the Phrase Memory and the Buffer Memory has been deleted. See page 60.
<b>DEMO PRINT</b>	A DEMO PRINT (CODE+D) is in progress. This function cannot be used if there is data in the Buffer Memory.
<b>SELF PRINT</b>	A SELF PRINT (CODE+C) is in progress. Upper case A - G are printed. This function cannot be used if there is data in the Buffer Memory.



## TROUBLESHOOTING

Problem	What to Do
1. The display stays blank after you have turned on the machine.	<ul style="list-style-type: none"><li>● Check the polarity of the batteries.</li><li>● If the batteries are low, replace them.</li></ul>
2. The machine does not print, or the printed characters are blurred.	<ul style="list-style-type: none"><li>● Check that the tape cassette has been inserted properly.</li><li>● If the tape cassette is empty, replace it with a new one.</li><li>● Make sure that the release lever has been closed properly.</li></ul>
3. The printed characters are not formed properly.	<ul style="list-style-type: none"><li>● The batteries are probably weak. Replace them.</li><li>● The print density is not appropriate. Adjust the print density.</li></ul>
4. The tape cannot be cut.	<ul style="list-style-type: none"><li>● The cutting blade is probably dull. Replace the blade.</li></ul>
5. Silver tape appears.	<ul style="list-style-type: none"><li>● You have reached the end of the tape. Replace it with a new tape.</li></ul>
6. The memory has cleared on its own.	<ul style="list-style-type: none"><li>● The batteries are probably weak. Replace them.</li></ul>
7. An unprinted line appears on a label.	<ul style="list-style-type: none"><li>● There may be some dust on the print head. Wipe the print head gently with a dry cotton swab.</li><li>● If dust still remains, dip the cotton swab in isopropyl (rubbing) alcohol and wipe the print head again.</li></ul>

- For technical and operational assistance call Customer Service at 1-901-373-6256 from 8:00 to 4:15 CST (Central Standard Time).
- For service of your Brother P-Touch machine call 1-901-373-8500

## SPECIFICATIONS

<b>Input Device:</b>	56 keys (39 character keys and 17 function keys)
<b>Print Speed:</b>	12 cps (standard size)
<b>Character Size:</b>	Standard Size (1) Double Width (2) Double Height (3) Double Width & Double Height (4) 4 x Width & Double Height (5) Small Big (1, 2, and 3)
<b>Internal Character Generator:</b>	Standard Character Font Enlarged Character Font Font: LORI PS, SMALL, Big1, Big2, Big3
<b>Print Tape:</b>	Pressure-sensitive adhesive-based 1/2"(w) : 300"(L) 3/8"(w) : 300"(L)
<b>LCD:</b>	7 x 5 dots      1 line x 15 columns      1/16 duty
<b>Optional Equipment:</b>	Font Cartridge: Anelia PS    Lori Italic PS
<b>Power Supply:</b>	Batteries (C-type x 6) or optional AC Adaptor
<b>Dimensions:</b>	8.46"(W) x 5.91"(D) x 2.17"(H)
<b>Weight:</b>	1.43LB (without batteries)
<b>Memory Buffer Size:</b>	99 characters
<b>Phrase Memory Size:</b>	1,200 (PT-20), 1,500 (PT-25) characters maximum/ 99 available storage areas

## ACCESSORIES

- **Supplies**

Obtain tape cassettes, font cartridges, AC Adaptors and tape cutters from your nearest authorized dealer. Brother cannot be held responsible for trouble caused by the use of unauthorized supplies.

- **Font cartridge**

FC-30 Font cartridge (Anelia PS)

Price \$49.95

Anelia PS

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**

**abcdefghijklmnopqrstuvwxyz 1234567890**

FC-35 Font cartridge (Lori Italic PS)

Price \$49.95

Lori Italic PS

***ABCDEFGHIJKLMNOPQRSTUVWXYZ***

***abcdefghijklmnopqrstuvwxyz 1234567890***

- **Tape Cartridges**

Stock No.	Description	Qty/ Pckage	Price
1/2" (12mm) Tapes			
TC-10	Black Characters on Clear Adhesive	2	34.95
TC-11	Red Characters on Clear Adhesive	2	34.95

<b>Stock No.</b>	<b>Description</b>	<b>Qty/ Pckage</b>	<b>Price</b>
TC-12	Blue Characters on Clear Adhesive	2	34.95
TC-13	Gold Characters on Clear Adhesive	2	39.95
TC-20	Black Characters on White Adhesive	2	34.95
TC-21	Red Characters on White Adhesive	2	34.95
TC-22	Blue Characters on White Adhesive	2	34.95
TC-30	Red Characters on Clear Adhesive Blue Characters on Clear Adhesive Gold Characters on Clear Adhesive	3 (1 EACH)	49.95
TC-5001	Black Characters on Red Adhesive	1	17.95
TC-6001	Black Characters on Blue Adhesive	1	17.95
TC-7001	Black Characters on Yellow Adhesive	1	17.95
TC-8001	Black Characters on Green Adhesive	1	17.95
TC-33	Gold Characters on Black Adhesive	2	39.95
TC-B001	Black Characters on Fluorescent Orange Adhesive	1	24.95
TC-C001	Black Characters on Fluorescent Yellow Adhesive	1	24.95
TC-D001	Black Characters on Fluorescent Green Adhesive	1	24.95
TC-40	Red Characters on White Adhesive Blue Characters on White Adhesive Gold Characters on Black Adhesive	3 (1 EACH)	49.95
TC-50	Black Characters on Red Adhesive Black Characters on Blue Adhesive Black Characters on Yellow Adhesive Black Characters on Green Adhesive	4 (1 EACH)	59.95
3/8" (9mm) Tapes			
TC-34Z	White Characters on Black Adhesive	2	34.95
TC-14Z1	White Characters on Clear Adhesive	1	19.95
TC-20Z1	Black Characters on White Adhesive	1	17.95
TC-54Z1	White Characters on Red Adhesive	1	19.95
TC-64Z1	White Characters on Blue Adhesive	1	19.95
TC-74Z1	White Characters on Orange Adhesive	1	19.95
TC-84Z1	White Characters on Green Adhesive	1	19.95
TC-90Z1	Black Characters on Gold Adhesive	1	19.95
TC-A0Z1	Black Characters on Silver Adhesive	1	19.95

<b>Stock No.</b>	<b>Description</b>	<b>Qty/ Pckage</b>	<b>Price</b>
TC-60	White Characters on Red Adhesive White Characters on Blue Adhesive White Characters on Orange Adhesive White Characters on Green Adhesive	4 (1 EACH)	64.95
Mat Tapes 3/8" (9mm) (Recommended for use when photocopying; helps eliminate shadow lines.)			
TC-M0Z	Black Characters on Semi-Clear Adhesive	2	39.95
Instant Lettering Tape 1/2" (12mm) (For transferring characters to paper without tape remaining)			
TC-00	Black Characters	2	34.95
TC-01	Red Characters	2	34.95
TC-02	Blue Characters	2	34.95
Iron On Transfer Tape 1/2" (12mm) (For transferring characters by iron on to cloth - Smooth cotton fabrics recommended for best results - )			
TC-Y001	Black Characters	1	19.95
TC-Y101	Red Characters	1	19.95
TC-Y201	Blue Characters	1	19.95
Others			
AD-30	AC Adaptor for PT-10/150/170K/12/15/20/ 25	1	21.95
TC-8	Replacement Tape Cutter	1	9.95





# **GUÍA DEL USUARIO**



# INTRODUCCION

El nuevo P-Touch le ayudará a diseñar e imprimir etiquetas para cualquier aplicación. Extremadamente versátil, puede crear caracteres en múltiples tamaños y estilos.

Ya no tendrá que preocuparse por las tareas que siempre exigían una impresión profesional. La calidad y prestaciones del P-Touch lo convierten en un instrumento versátil.

Aunque el P-Touch es de fácil utilización, le sugerimos que lea este manual con atención antes de empezar a utilizarlo. Conserve este manual a su alcance por si tuviera necesidad de realizar alguna consulta.

¡Buena suerte! Le deseamos que le resulte agradable la utilización del P-Touch.

## AVISO DE LA FCC

**Este equipo ha sido probado y se ha determinado que cumple los límites para los dispositivos digitales de la Clase B de acuerdo con la Parte 15 de las Normas de la FCC. Estos límites han sido diseñados para ofrecer una protección razonable contra las interferencias perjudiciales en una instalación residencial. Este equipo genera, emplea, y puede radiar energía de radiofrecuencia y, si no se instala de acuerdo a las instrucciones, puede causar interferencias perjudiciales en las radiocomunicaciones. Sin embargo, no se garantiza que las interferencias no se produzcan en una instalación particular. Si este equipo causa interferencias en la recepción de radio o televisión, lo que podrá determinarse desconectando y volviendo a conectar su alimentación, el usuario deberá corregir el problema tomando una o más de las medidas siguientes:**

- Reorientación o reubicación de la antena receptora
- Aumento de la separación entre el equipo y el receptor
- Conexión del equipo a una toma de la red de circuito diferente
- Consulta al proveedor de radio/televisión experimentado

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## PRECAUCIONES

### Situación:

- No exponga la máquina a altas temperaturas ni alta humedad.
- No emplee la máquina en lugares polvorientos.
- No ponga nada encima ni dentro de la máquina.

### Alimentación:

- Emplee solo el adaptador de CA diseñado exclusivamente para la **P-Touch**.
- Extraiga las pilas y desconecte el adaptador de CA si no tiene la intención de utilizar la máquina por un periodo prolongado de tiempo.

**Precaución:** Cuando se ha desconectado el adaptador y se extraen las pilas, el contenido de la memoria quedará protegido durante unos 3 minutos. Después de este tiempo, los mensajes del área de trabajo se borrarán y de la memoria de frases se perderán. Cuando se cambien las pilas, asegúrese de que esté conectado el adaptador de CA.

### Limpieza:

- No limpie la máquina con alcohol ni otros solventes. Emplee solo un paño suave y seco.
- No toque el mecanismo del cabezal de impresión. Si lo hace, límpielo inmediatamente con un palillo con cabeza de algodón para evitar daños permanentes en la P-Touch.

### Cintas:

- No intente nunca cortar la cinta durante la impresión, ni durante la alimentación de cinta.
- No tire nunca de la cinta por que podría dañar el cartucho.
- No guarde las cintas bajo la luz del sol, ni en lugares húmedos o polvorientos.

### Planche las cintas de transferencia:

- Planche en el ajuste "cotton" (algodón) durante unos 15 segundos.
- Deje que se enfríe la cinta y la tecla durante unos 10 segundos en seco antes de sacar la cinta auxiliar.
- No utilice NYLON ni otras telas sensibles al calor. No limpie en seco ni seque con secadora.
- Proteja la tela transferida con un paño cuando se planche.

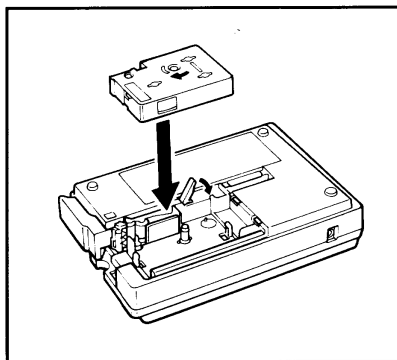
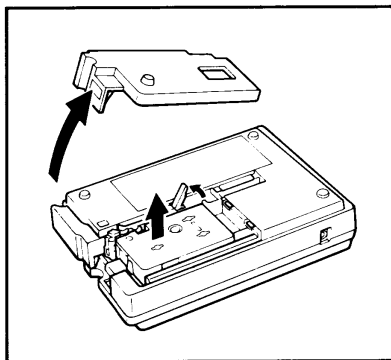
## INSERCIÓN DE LA CINTA

Un cassette de cinta viene acompañando a esta unidad.

### Para insertar un nuevo cassette de cinta:

- (1) Apague la máquina. Extraiga la cubierta del compartimiento del cassette presionando la parte punteada y tirando hacia arriba.
- (2) Remueva el cartón fijador de la nueva cinta. Use su dedo para enrollar la cinta en la dirección de la flecha, dos vueltas completas.
- (3) Inserte el nuevo cassette de cinta firmemente en el compartimiento. Instale la cubierta del compartimiento y presione la palanca amarilla para fijar la cabeza de impresión a la cinta.
- (4) Avance la cinta manteniendo presionada la tecla CODE y presionando la tecla FEED una vez y corte la cinta.

**Nota:** Cuando inserte un nuevo cassette, asegúrese de no dañar en la esquina de la placa metálica de seguridad.



## INSERCIÓN DE LAS BATERÍAS

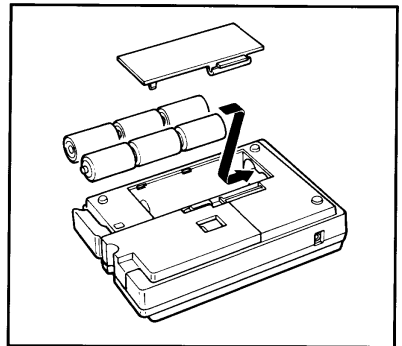
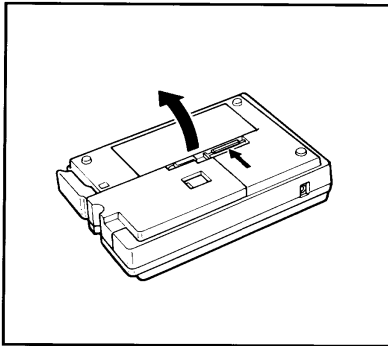
La máquina usa baterías del tipo C.

### Para insertar las baterías:

- (1) Apague la máquina. Extraiga la cubierta del compartimiento de baterías presionando el liberador y tirando hacia arriba.
- (2) Siga los diagramas en el fondo del compartimiento para insertar las baterías de la manera adecuada.
- (3) Después de insertar las baterías instale la cubierta del compartimiento de las baterías.

**Nota:** Cuando aparezca el mensaje "BATTERY WEAK" reemplace las baterías.

- Se recomienda usar baterías alcalinas.
- También se puede utilizar un adaptador de CA (AD-30) opcionalmente.



**Nota:** Cuando reemplace las baterías, hágalo en tres minutos o menos. De otra manera, a menos que tenga conectado el adaptador de CA opcional, cualquier mensaje en el área de trabajo y de la memoria de frases se perderán.

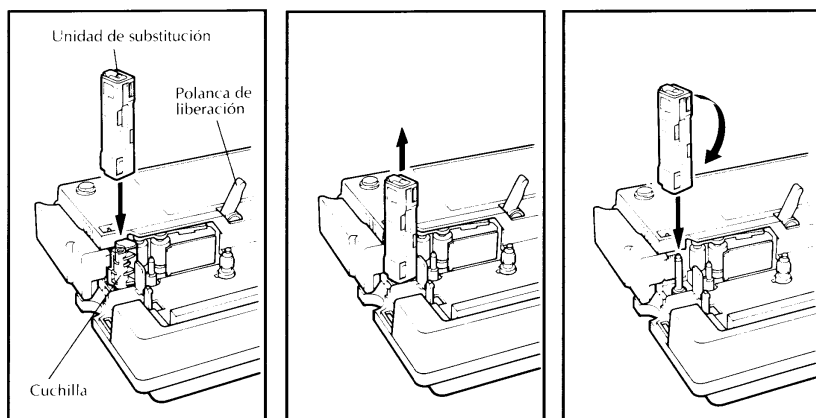
## REEMPLAZO DEL CORTADOR

Cada vez que el cortador no corte correctamente, se deberá reemplazar por uno nuevo.

### Para reemplazar el cortador:

- (1) Apague la máquina. Remueva la cubierta del compartimiento del cassette de la cinta, si hay una cinta instalada extraigala cuidadosamente. Presione con el lado vacío de la unidad de reemplazo para sujetar el cortador viejo.
- (2) Jale la unidad de reemplazo para extraer el cortador.
- (3) Voltee la unidad de reemplazo y alinie los dientes del nuevo cortador con los dientes del engranaje. Presione la unidad de reemplazo para instalar el nuevo cortador.
- (4) Instale la cinta y ponga la cubierta del compartimiento de la cinta en su lugar.

**Nota:** La vida estimada del cortador es de 3000 cortes aproximadamente.



**Precaución:** Nunca presione o jale del pequeño piñón azul ubicado en el compartimiento del cassette de cinta, es sumamente delicado.

## JUEGO DE SIMBOLOS

Adicionalmente a las 52 letras, 36 símbolos y 10 números mostrados en el teclado, existen 89 símbolos disponibles en el mode "symbol". Estos 89 símbolos adicionales estan arreglados en 15 grupos, correspondientes a las letras A a O del teclado.

S	Y	M	B	O	L	:	A	:	á	í	ó	é	ú	¶				
S	Y	M	B	O	L	:	B	:	ü	ü	Æ	æ	º	º				
S	Y	M	B	O	L	:	C	:	í	¿	x	÷	<	>				
S	Y	M	B	O	L	:	D	:	0Z	l	b	f	t	i	n	°	F	Fr
S	Y	M	B	O	L	:	E	:	3	4	5	6	7					
S	Y	M	B	O	L	:	F	:	g	↑	↓	→	←					
S	Y	M	B	O	L	:	G	:	↖	↗	↘	↙	★	●				
S	Y	M	B	O	L	:	H	:	○	□	⊗	⊕	\					
S	Y	M	B	O	L	:	I	:	♀			²	³					
S	Y	M	B	O	L	:	J	:	§	½	¼	€	⊕					
S	Y	M	B	O	L	:	K	:	∅	ø	~	≡	∞	±				
S	Y	M	B	O	L	:	L	:	♣	♥	♠	♦	♣					
S	Y	M	B	O	L	:	M	:	☺	♪	®	©	™	°C				
S	Y	M	B	O	L	:	N	:	∫	/	¼	α	β	γ				
S	Y	M	B	O	L	:	O	:	μ	∞	∞	∞	∞					

### Para insertar un símbolo que no aparece en el teclado:

- Mantenga presionada la tecla CODE y presione la tecla SYMBOL para entrar al modo "Symbol".
- En la Pantalla podrá leer lo siguiente: "SYMBOL: A - O Key"
- Presione una letra entre la A y la O que contenga el grupo de símbolos que usted desea. El grupo de símbolos seleccionado será desplegado.
- Use las teclas del curso para seleccionar el símbolo deseado.
- Presione la tecla SET.

## **FUNCIONES DE EDICIÓN DE TEXTO**

### **Para borrar un caracter:**

- Use la teclas del cursor para posicionar el cursor un lugar a la derecha del caracter que desea borrar.
- Presione la tecla DEL.

### **Para borrar una palabra:**

- Posicione el cursor a la dercha de la palabra que desea borrar.
- Mantenga presionada la tecla CODE y presione la tecla WORD OUT.

### **Para cambiar o corregir un caracter:**

- Mueva el cursor hasta posicionarse en el caracter que desea cambiar o corregir.
- Presione la tecla del caracter que desee en esa posición
- El nuevo caracter reemplazara al viejo en el mensaje.

### **Para insertar un caracter:**

- Mueva el cursor al caracter que deberá quedar a la derecha del caracter insertado.
- Mantenga presionada la tecla CODE y presione la tecla INSERT para entrar al mode "insertar". (Asegúrese que el indicador de "insert" aparece en la pantalla).
- Presione en el teclado el caracter o el símbolo que desee insertar, o escoja el símbolo auxiliar en el modo de simbolos. (vea juego de simbolos).

### **Para salir del modo de insertar:**

- Usted puede salir del modo de insertar manteniendo presionada la tecla CODE y presionando la tecla INSERT. Cuando haya salido del modo de insertar, regresará automaticamente al modo de sobrescritura.

### **Para ver el formato de impresión actual:**

- Use la teclas del cursor para posicionarlo al principio de la sección del texto.
- Presione la tecla STATUS para observar el formato de impresión actual.

### **Para cambiar el formato de impresión:**

- Posicione el cursor bajo el caracter precedente al texto al cual le desea cambiar el formato presione la tecla NEW FORMAT.
- Cambie las especificaciones al formato deseado.
- Cuando todas las especificaciones estén como usted desea preseione la tecla SET.



## TAMAÑO DE CARACTERES

(1) TAMAÑO ESTANDAR

**J.SMITH**

(2) DOBLE ANCHO

**J.SMITH**

(3) DOBLE ALTO

**J.SMITH**

(4) DOBLE ANCHO Y DOBLE ALTO

**J.SMITH**

(5) CUADRUPLE ANCHO Y DOBLE ALTO

**J.SMITH**

## ESTILOS

(1) NORMAL

**J.SMITH**

(2) CONTORNO (O.LINE)

J.SMITH

(3) NEGRILLA (BOLD)

**J.SMITH**

(4) SOMBREADO (SHADOW)

J.SMITH

## SUBRAYADO Y RECUADRO

Normal  
Subrayado

Recuadro

### Impresión en dos renglones:

- Use la teclas del cursor para posicionarlo al principio del texto que desee se imprima en la línea superior.
- Presione la tecla UPPER. La marca de línea superior aparecerá en el display.
- Ahora posicione el cursor al principio del texto que desee se imprima en la línea inferior.
- Mantenga presionada la tecla CODE y presione la tecla LOWER, la marca de línea inferior aparecerá en la pantalla. Usted puede insertar todo el texto primero y después seleccionar la línea superior e inferior o seleccionar primero los indicadores y posteriormente teclear los textos.

- Nota:**
- *Unicamente el tamaño estándar puede ser utilizado para imprimir en doble línea. Ningún otro tamaño puede ser seleccionado.*
  - *Se puede seleccionar cualquier estilo en la impresión en doble renglón.*

### Impresión vertical:

- Presione VERTICAL. El indicador de impresión vertical se prenderá en la pantalla.

- Nota:**
- *Cada vez que se presione la tecla VERTICAL, la función cambiará entre impresión vertical y horizontal.*
  - *Unicamente el tamaño y el estilo se pueden variar en la impresión vertical.*
  - *Estilos especiales y subrayado y recuadro son ignorados en la impresión vertical.*
  - *Al apagar la máquina la impresión vertical quedará cancelada.*

### Impresión de espejo:

- Mantenga presionada la tecla de CODE y presione la tecla MIRROR (Espejo).
- El indicador de impresión en espejo se prenderá en la pantalla.
- Para cancelar la impresión en espejo, mantenga presionada la tecla CODE y presione la tecla MIRROR.

### Repetir la Impresión:

- Mantenga presionada la tecla CODE y presione la tecla REPEAT.
- Aparecerá en la pantalla el siguiente mensaje "REPEAT: 1 - 99?#??".
- Seleccione la cantidad de veces que desea se repita la etiqueta. Por ejemplo si desea diez etiquetas teclee 10.

## **FUNCIONES DE LA MEMORIA DE FRASES**

### **Para usar la memoria de frases:**

Usted puede usar la memoria de frases para guardar sus mensajes mas frecuentemente usados. El texto salvado en la memoria no se borrara usando la operación borrar (CODE + CLEAR).

Usted puede facilmente acceder a sus mensajes de la memoria de frases en cualquier momento que lo desee.

### **Tamaño de la memoria:**

En la memoria de frases usted puede almacenar hasta 1,200 caracteres, los cuales pueden estar dividiéndose un máximo de 99 áreas de mensajes diferentes.

La capacidad máxima de cada área de memoria es de 99 caracteres.

### **Para salvar el mensaje actual de la pantalla en la memoria de frases:**

- Mantenga presionada la tecla de CODE y presione la tecla STORE.
- En la pantalla aparecerá el mensaje "M=01":
- Seleccione el número deseado de memoria mediante las teclas del cursor arriba y abajo.
- Presione la tecla SET.
- Su mensaje se há almacenado en el área de memoria seleccionado, y la máquina saldrá de este modo después de que aparezca el mensaje "STORED".

### **Para llamar un mensaje de la memoria de frases:**

- Mantenga presionada la tecla de CODE y presione la tecla RECALL.
- En la pantalla aparecerá el mensaje "M=01":
- Seleccione el número deseado de memoria mediante las teclas del cursor arriba y abajo.
- Presione la tecla SET.
- El mensaje "O.WRITE/INSERT" aparecerá.
- Seleccione "OWRITE" o "INSERT" mediante las teclas del cursor.
- El mensaje seleccionado es llamado al área de trabajo.

## ESPECIFICACIONES

<b>Teclado:</b>	56 Teclas (39 teclas de caracteres y 17 teclas de funciones)
<b>Velocidad de impresión:</b>	12 cps (Tamaño estándar)
<b>Tamaños de caracteres:</b>	Estandar (1) Doble ancho (2) Doble alto (3) Doble ancho y doble alto (4) Cuádruple ancho y doble alto (5) Pequeño Grande (1, 2 y 3)
<b>Generador interno de Caracteres:</b>	Fuente de caracteres estándar Fuente de caracteres alargados Fuentes: LORI PS, SMALL, Big1, Big2, Big3
<b>Cinta de Impresión:</b>	Sensible a la presión con base adhesiva:1/2"(A) : 300"(L) 3/8"(A) : 300"(L)
<b>Pantalla de cristal líquido:</b>	7 x 5 puntos 1 línea x 15 columnas
<b>Equipo opcional:</b>	Cartuchos fuentes: Anelias PS y Lori Italic PS
<b>Fuente de alimentación:</b>	Baterías (6 tipo C) o adaptador de CA opcional
<b>Dimensiones:</b>	8.46"(A) x 5.91"(P) x 2.17"(Al)
<b>Peso:</b>	1.43 lb. (Sin baterías).
<b>Tamaño del buffer de memoria:</b>	99 Caracteres
<b>Tamaño de la memoria de frases:</b>	1,200 caracteres máximo/ 99 áreas disponibles.

## Brother P-Touch Telephone Contact Guide

- For technical and operational assistance call Customer Service at 1-901-373-6256 from 8:00 to 4:15 CST (Central Standard Time).
- For service of your Brother P-Touch call 1-901-373-8500.
- To order brochures on other Brother products call 1-800-284-4357.
- To order ribbons and accessories:
  - 1) Contact your local Brother authorized dealer to see whether they carry the ribbon or accessory that you require.
  - 2) To use Visa or Master Card call Toll FREE 1-800-284-4357, or fax your order to Brother at 1-901-373-6213 anytime.
  - 3) For questions on which ribbons or accessories fit your machine call 1-800-284-4357 from 9:00 to 4:30 EST (Eastern Standard Time).
  - 4) To order by mail or pay by check, please fill out the accessory order form and mail along with payment to:

Customer Service  
Brother International Corporation  
P.O. Box 341332  
Bartlett, TN 38184-1332

