Dear Inquirer:

Thank you for your interest in the newly announced Canon personal typewriter. This typewriter incorporates a host of professional features to enhance your job efficiency and enjoyment.

1. Automatic functions
2. Shaded printing
3. Double-width printing
4. Two typestyles
5. Cordless, compact design

The decimal tab function allows you to quickly and accurately align lists of numbers like those below:

<table>
<thead>
<tr>
<th>Amount</th>
<th>$99.95</th>
<th>$87.00</th>
<th>$125.98</th>
</tr>
</thead>
<tbody>
<tr>
<td>$17.01</td>
<td>$51.25</td>
<td>$79.95</td>
<td></td>
</tr>
</tbody>
</table>

And the centering between tabs function helps you to type in columns and make perfect tables.

Japan    France    U.S.A.

We hope that this typewriter will help you.
INTRODUCTION

Your new personal electronic typewriter offers you the latest Canon technology in a compact, easy-to-use package. The high-quality printout, with double-width or shaded printing, enables you to create varied and impressive-looking documents.

The information that follows will help you to understand and make the best use of your typewriter's various functions. Before typing, it is recommended that you read this manual carefully and then keep it handy for future reference.
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1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
8. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug fully into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
11. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
13. Do not attempt to service this product yourself, as opening or removing certain covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.
14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
   
   A. When the power cord or plug is damaged or frayed.
   B. If liquid has been spilled into the product.
   C. If the product has been exposed to rain or water.
D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

E. If the product has been dropped or the cabinet has been damaged.

F. If the product exhibits a distinct change in performance, indicating a need for service.

SAFETY PRECAUTIONS

To avoid injury to the operator or damage to the typewriter, please note the following safety recommendations.

1. Use only the Canon-specified AC adapter.
2. Use only size-D (R20) dry batteries.
3. Do not mix old and new batteries.
4. Do not use different types or brands of batteries together.
   Some batteries have different characteristics, even though they are the same size.
5. Insert batteries so that the polarity matches the plus (+) and minus (−) positions indicated in the battery case.
6. Remove all batteries when the typewriter is not to be used for a long period of time or when batteries become weak.
7. Turn off the power switch when the typewriter is not in use.
8. Always turn off the power switch before opening the hood.
POWER SUPPLY

This typewriter can operate on four size-D batteries or the Canon AD-6/AD-100 AC Adapter.

Batteries

Your typewriter operates on four dry size-D (R20) batteries.

Replacing Batteries

1. First turn off the power switch of your typewriter. (See page 9)

2. Turn the typewriter over and open the battery cover by sliding it in the direction indicated by the arrow.

3. Load four size-D (R20) batteries, with the positive pole facing in the direction indicated by the plus (+) on the side and bottom of the battery case. Then slide the battery cover back into place until you hear a click.

CAUTION

- Do not mix old and new batteries.
- Do not use different types or brands of batteries together. Some batteries have different characteristics, even though they are the same size.
- Insert batteries so that the polarity matches the plus (+) and minus (−) positions indicated in the battery case.
- To prevent damage to the typewriter from battery leakage, remove all batteries when the typewriter will not be used for a long period of time or when batteries become weak.
Battery Warning

When the batteries start to lose their charge, the symbols shown below will appear on the display. This means that batteries should be replaced immediately.

![Battery Symbols](image)

- It is recommended that you complete the battery exchange within 30 minutes.

Canon AD-6/AD-100 AC Adapter

1. Turn off the power switch of the typewriter.
2. Plug the adapter into an AC outlet.
3. Insert the AC adapter output plug into the jack next to the power switch on the typewriter.
4. Turn on the power switch. When the AC adapter is connected to the typewriter, the power source switches from batteries to AC power.

CAUTION

- Use only the Canon-specified AC adapter. Use of any other adapters may result in damage to the typewriter or injury to the operator.
- This adapter is specifically designed for use with this typewriter so do not use it with any other electrical devices.
- Do not connect or disconnect the AC adapter output plug from the adapter jack unless the power switch of the typewriter is off.
**RIBBON CASSETTES**

**Loading**

1. Turn off the power switch and open the hood.

2. Press down gently on the cassette until it clicks into place on the carrier.
   - After installing the cassette, if there is any slack in the ribbon, take it up by turning the spool with your finger in the direction of the arrow.
   - Be sure the ribbon is positioned between the platen and the print head.

3. Close the hood.

- To prevent the typewriter from running out of ribbon during typing, open the hood and check the remaining amount of ribbon before you start.
- Three colors of ribbons are available.
  - IR-50II: black
  - IR-51II: red
  - IR-52II: blue

**Removing**

Hold the cassette as shown and lift it up.
- If the print head is too close to the platen, the cassette may be difficult to remove. In such a case, turn the power switch on to reset the printing head and then off again.

**CAUTION**
- Store spare cassettes in a cool, dry place.
The power switch is located on the right side of the typewriter. Turn on the power switch of the typewriter as shown below.

Auto power off function
To prevent unnecessary power consumption, the power goes off automatically when key operation is suspended for about 15 minutes. To resume operation, turn the power switch off and then on again.
The keyboard shown below is for the U.S.A., Asia and Australia version.

**MARGIN RELEASE**
- Used to release the margin when:
  1. You wish to type beyond the margin.
  2. You wish to reset a margin.

**KEYBOARD SELECTOR**
- Used to change the keyboard setting.

**MODE**
- Used to set typing modes and formats.

**TAB**
- Used to move the carrier to the next tab or right margin.

**SHIFT LOCK**
- Used to set the typewriter for continuous typing of:
  1. Upper case letters.
  2. Characters shown on the top half of some keys.
- Press [SHIFT] to release this key.

**SHIFT**
- Used to type:
  1. Upper case letters.
  2. Symbols shown on the top half of some keys.

**REPEAT**
- Used to repeat the last printed or displayed character.

**SPACE**
- Used to insert a space or move the carrier one space to the right.

**Carrying handle**
- The handle is usually stowed away underneath the typewriter. When carrying it around, pull the handle out as shown in the drawing.
Display contrast dial

Left margin
Used to set the left margin.

Right margin
Used to set the right margin.

Tab set
Used to set tabs.

Tab clear
Used to clear tabs and decimal tabs.

Cursor left/back space
Used to move the carrier or cursor one space to the left.

Cursor right
Used to move the cursor one space to the right.

Cancel
Used to erase a typed character or a space on the display.

Return
Used to return the carrier to the left margin or an indented position on the next line.

Code
Used to perform various automatic functions when used in conjunction with other keys.

* Auto Repeat Key: When pressed continuously, the function of this key is repeated automatically.
**PARTS AND KEY FUNCTIONS**

- The keyboard shown below is for the U.K. version.

- **MARGIN RELEASE**
  - Used to release the margin when:
    1. You wish to type beyond the margin.
    2. You wish to reset a margin.

- **KEYBOARD SELECTOR**
  - Used to change the keyboard setting.

- **MODE**
  - Used to set typing modes and formats.

- **TAB**
  - Used to move the carrier to the next tab or right margin.

- **SHIFT LOCK**
  - Used to set the typewriter for continuous typing of:
    1. Upper case letters.
    2. Characters shown on the top half of some keys.
  - Press **SHIFT** to release this key.

- **SHIFT**
  - Used to type:
    1. Upper case letters.
    2. Symbols shown on the top half of some keys.

- **REPEAT**
  - Used to repeat the last printed or displayed character.

- **SPACE**
  - Used to insert a space or move the carrier one space to the right.

- **Carrying handle**
  - The handle is usually stowed away underneath the typewriter. When carrying it around, pull the handle out as shown in the drawing.
RELOCATE
Used to:
1) Relocate the cursor after correction on the display.
2) Move the carrier to the farthest-right entry position on the same line.

Display contrast dial

Paper release lever

Platen knob

LEFT MARGIN
Used to set the left margin.

RIGHT MARGIN
Used to set the right margin.

TAB SET
Used to set tabs.

TAB CLEAR
Used to clear tabs and decimal tabs.

CURSOR LEFT/BACK SPACE
Used to move the carrier or cursor one space to the left.

CURSOR RIGHT
Used to move the cursor one space to the right.

CANCEL
Used to erase a typed character or a space on the display.

RETURN
Used to return the carrier to the left margin or an indented position on the next line.

CODE
Used to perform various automatic functions when used in conjunction with other keys.

* Auto Repeat Key: When pressed continuously, the function of this key is repeated automatically.
**MODE SETTINGS**

You can set the following modes according to your desired typing format.

1. Line spacing mode
2. Typing mode
3. Printing mode
4. Carrier return mode
5. Typestyle mode
6. Keyboard setting
7. Shading print mode

The settings 1 ~ 6 are indicated on the mode windows of the display as shown below. When [MODE] is pressed, "MODE" appears on the display.

**Line Spacing Modes**

You can choose from three different line spacing settings.

- **Single spacing (6 lines per inch)**
  - Example: personal typewriter
  - Display: 1

- **Line-and-a-half spacing (4 lines per inch)**
  - Example: personal typewriter
  - Display: 1½

- **Double spacing (3 lines per inch)**
  - Example: personal typewriter
  - Display: 2
Typing Modes

You can choose from two typing modes: C mode for character-by-character printing and L mode for line-by-line printing.

Key Operation | Display
--- | ---
C mode (character-by-character printing) | ![C](image)

Each character is printed as it is entered, just as on a conventional typewriter. Characters do not appear on the display.

L mode (line-by-line printing) | ![L](image)

Characters are displayed as they are entered for easy checking or correction before printing. They are printed out a line at a time when [RETURN] or [TAB] is pressed.

- For efficient use of the ribbon, we recommend line-by-line printing.

Moving the carrier during L mode typing

This function moves the carrier to the actual printing position during L mode typing. This is useful when typing in fixed columns using the display.

To cancel the operation, press [MODE] and then [Q] again.
Printing Modes

You can choose from three printing modes: normal, automatic underlined or double-width printing.

Key Operation

<table>
<thead>
<tr>
<th>Key Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal printing</td>
<td></td>
</tr>
<tr>
<td>Example: CANON</td>
<td>xx</td>
</tr>
<tr>
<td>Double-width printing</td>
<td></td>
</tr>
<tr>
<td>Example: CANON</td>
<td>x</td>
</tr>
<tr>
<td>• The display is as follows:</td>
<td></td>
</tr>
<tr>
<td>E CANON</td>
<td></td>
</tr>
<tr>
<td>• To cancel the operation, press [MODE] and then 5.</td>
<td></td>
</tr>
<tr>
<td>Automatic underlined printing</td>
<td></td>
</tr>
<tr>
<td>Example: CANON</td>
<td></td>
</tr>
<tr>
<td>• To cancel the operation, press [MODE] and then 7 again.</td>
<td></td>
</tr>
<tr>
<td>• To print double-width underlined characters, perform both the above two key operations ([MODE] → 6 and [MODE] → 7).</td>
<td></td>
</tr>
<tr>
<td>Example: CANON</td>
<td>x_</td>
</tr>
</tbody>
</table>

Carrier Return Modes

You can choose from three different carrier return modes: manual carrier return, automatic carrier return and justified text.

Key Operation

<table>
<thead>
<tr>
<th>Key Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual carrier return</td>
<td></td>
</tr>
<tr>
<td>The carrier returns only when [RETURN] is pressed.</td>
<td></td>
</tr>
<tr>
<td>Automatic carrier return</td>
<td></td>
</tr>
<tr>
<td>The carrier returns automatically when a space or hyphen is typed in the hot zone*.</td>
<td></td>
</tr>
</tbody>
</table>
Justified text

The text is automatically spaced so that the last letter on each line is aligned on the right margin when a space or hyphen is entered in the hot zone.

- Even if the typing mode is set to C (character-by-character mode), the characters will be displayed and printed line-by-line when justified text mode is in operation.

Example: Justified printout

A-Flex Test Market
we have evaluated the performance of the countries where A-flex will be test marketed. As seen from below, the markets include countries with both stable and dynamic growth rates.

* Hot zone
The hot zone is the area between the position where the alarm sounds and the right margin. The number of characters you can type in the hot zone is preset to five for the COURIER 10 typestyle.

- If your typewriter is set in the automatic carrier return or justified text mode, the carrier will automatically return to the left margin of the next line when a space or hyphen is typed in the hot zone. For continued typing after entering a space or hyphen in the hot zone, use the permanent space or hyphen function (see page 29).

Carrier Return without Line Feed

This function returns the carrier to the left margin without performing a line feed. It is useful for typing on the same line immediately after setting margins or tabs.

1. Press **CODE**. "CODE" will be displayed.

2. Press **RETURN**. The carrier will return to the left margin without executing a line feed.

- If characters are entered on the display, the alarm sounds and this operation is not performed.
Typestyle Modes

The typestyles COURIER 10 and CUBIC PS are built into this typewriter. The typestyle mode must be set according to the typestyle to be used.

Key Operation

<table>
<thead>
<tr>
<th>MODE</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURIER 10 printing (Typestyle mode A)</td>
<td>A</td>
</tr>
</tbody>
</table>

In this typestyle, 10 characters will be printed per inch regardless of differences in character width.

Example:

```
Take care of the pence, and the pounds will take care of themselves.
```

<table>
<thead>
<tr>
<th>MODE</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUBIC PS printing (Typestyle mode B)</td>
<td>B</td>
</tr>
</tbody>
</table>

In the CUBIC PS typestyle mode, the space allowed for each character varies according to the actual width of each character. When typing tables, it is recommended that you use COURIER 10 typestyle.

Example:

```
Take care of the pence, and the pounds will take care of themselves.
```

Keyboard Setting

There are some keys on the typewriter with different symbols on their left and right halves as shown below.

```
Keyboard I:  I
Keyboard II: II
```

The [KB] key is used to change the keyboard setting according to whether you want to type the symbols on the left or right. Keyboard setting alternates between I and II each time [KB] is pressed.

Display

Keyboard I:  I
Keyboard II:  II
Accent Symbols (・・・・・)

1. Make sure the keyboard setting is II.
2. Press [SHIFT] if typing a symbol on the top of a keytop.
3. Type the desired accent symbol 例 (例), 例 or 例 (例).
4. Type the desired letter of the alphabet.

Shading Print Mode

This mode allows you to print characters in shading as you type ordinarily. You can choose from four types of shading.

Example:

1. Press [MODE] and then [Z]. The following shading menu will be displayed.

   1. 2. 3. 4.

2. Press the number that corresponds to the type of shading you want to print.

3. Type as usual. The characters will be printed in shading.
4. Press [MODE] and then [Z] to cancel the shading print mode.

- When in the L mode, the display is as follows:

  Type of shading

  Beginning of shading print

  Example:  CANON INC.

  End of shading print

- This mode can also be used with double-width and underlined printing.
PAPER

You can feed paper automatically by following the simple key operation below. Paper can also be fed manually using the platen knob. You are recommended to use paper of the same thickness and texture as the sample included with your typewriter.

Auto Paper Feed

1. Turn on the power switch of the typewriter.

2. Insert a sheet of paper as shown.

3. Press [CODE] and then [□]. The paper is automatically fed to one inch (about 2.54 cm) from the top of the paper.

   • If the paper is fed unevenly, pull the paper release lever forward and adjust the paper.

   • The automatic paper feed function may not operate properly with some types of envelopes.
ENGLISH

TRYING OUT YOUR TYPEWRITER

Now it's time to try your hand at typing. Turn on the power switch and insert a sheet of paper. (See page 21.) Type the sentence below. Each character will be displayed as you type it.

A friend in need is a friend indeed.

When you've entered the entire sentence, press [RETURN] to print it. It should look like this.

A friend in need is a friend indeed.

You just used the line-by-line mode to print the above sentence. This mode enables you to check and correct characters before they are printed. (See page 15.)

To type upper case characters press the SHIFT key.

Keyboard Angle
You can change the angle of the keyboard by folding down the legs on the back of the typewriter.
Right Margin Alarm

If an alarm sounds at the right margin and the keyboard locks, follow the procedure described below which corresponds to the carrier return mode currently in operation.

In the \[ afl \] mode:

- Press \[ MARGIN RELEASE \] to continue typing beyond the right margin and then press \[ RETURN \] to return the carrier.
- Press \[ \rightarrow \] to erase the character(s) at the right margin, type a hyphen and then press \[ RETURN \] to return the carrier.

In the \[ alt \] mode:

- Press \[ MARGIN RELEASE \] to continue typing beyond the right margin and then type a space or hyphen to return the carrier.
- Press \[ \rightarrow \] to erase the character(s) at the right margin and then type a space or hyphen to return the carrier. (The \[ \rightarrow \] key begins to erase characters when pressed a second time.)

In the \[ ins \] mode:

- Press \[ \rightarrow \] to erase the character(s) at the right margin and then type a space or hyphen to return the carrier. (The \[ \rightarrow \] key begins to erase characters when pressed a second time.)
GLOBAL RECOVERY

The world economic recovery is due no doubt in part to an oil glut which resulted from a decreased demand in petroleum. This condition has given many depressed industries in Europe a second chance for....

Key Operation

1. Press the space bar or ← to move the carrier to the desired new margin position.

- If the carrier stops and an alarm sounds, the carrier has reached the currently set margin. Press MARGIN RELEASE to release this margin setting and then move the carrier to the desired position.

2. Press [LEFT MARGIN] or [RIGHT MARGIN] to set the margin. The old margin will be cleared automatically.

- The minimum allowable spacing between margins is one inch (approx. 2.5 cm). If you try to set the margins with less than one inch between them, the alarm will sound.

Carrier position (printing position)

The carrier position (printing position) is shown in the drawing to the left. The margins, tabs, and decimal tabs are set according to the position of this carrier.

- The arrow indicates the left side of the next character to be printed.
- To adjust the vertical carrier position, refer to the figure to the left.
Setting Tabs

1. Press the space bar or ← to move the carrier to the desired position.

2. Press TAB SET to set the tab.

- A total of sixteen tabs and decimal tabs (see page 35) can be set. The alarm will sound if you attempt to exceed this number.

Executing Tabs

1. Press TAB to move the carrier to the next preset tab or the right margin.

Clearing Specific Tabs

1. Press TAB to move the carrier to the tab to be cleared.

2. Press TAB CLR to clear the tab.

Clearing All Tabs

1. Press CODE. “CODE” will be displayed.

2. Press TAB CLR to clear all tabs.

- This operation also clears all decimal tabs.
CORRECTIONS ON THE DISPLAY

When your typewriter is set for line-by-line printing, corrections can be made quickly and easily on the display before text is printed.

Deletions

1. Press \( \leftarrow \) (or \( \rightarrow \)) to move the cursor (\( \uparrow \)) to the character to be deleted.

2. Press \( \times \) to delete the character.
   - You can delete characters continuously by pressing \( \times \) and then pressing and holding [REPEAT].

3. Press [RELOC] to move the cursor back to the last entry position prior to correction.

Example:
Suppose you typed "advaise" instead of advice.

1. Press \( \leftarrow \) three times.

2. Press \( \times \).

3. Press [RELOC].
Insertions

1. Press $\leftarrow$ (or $\rightarrow$) to move the cursor to the character position immediately to the left of where the new character(s) will be inserted.

   Example:
   If you wish to insert a character or characters between "b" and "d", move the cursor (•) under "b".  

   \[ \begin{array}{c}
   a \\
   b \\
   d \\
   \end{array} \]

2. Type the character(s) to be inserted.

3. Press [RELOC] to move the cursor back to the last entry position prior to correction.

Example: Suppose you typed "advace" instead of advance.

1. Press $\leftarrow$ twice.

2. Type an [n].

3. Press [RELOC].

* If insertion is attempted when the line is completely full, the alarm will sound and the keyboard will lock. Follow the appropriate procedure described in "Right Margin Alarm" on page 23.
CONTROLLED CARRIER MOVEMENT

This function moves the carrier to the right in small increments of 1/40 of an inch (approx. 0.6 mm). You will find this function useful when trying to exactly repostion the carrier after a typed page has been removed and then reinserted.

1. Press [CODE]. "CODE" will be displayed.

2. Press the space bar. Each time the space bar is pressed, the carrier moves to the right by 1/40 of an inch (approx. 0.6 mm).

3. Press [CODE] to end the operation.

4. Type the necessary character(s).
SPACES AND HYPHENS IN THE HOT ZONE

The hot zone is the area between the position where the alarm sounds and the right margin. The number of characters you can type in the hot zone is preset to five for the COURIER 10 typestyle.

When automatic carrier return or justified text is set, the carrier is returned each time a space or hyphen is typed in the hot zone. You can type a space or hyphen in the hot zone without a carrier return by following the procedure below.

Permanent Spaces

1. Press **CODE**. "CODE" will be displayed.

2. Press **B** to move the carrier one space or insert a space into the display without a carrier return.
   - A permanent space is represented by "" on the display.

Permanent Hyphens

1. Press **CODE**. "CODE" will be displayed.

2. Press **-** to print or display a hyphen without a carrier return.
   - A permanent hyphen is represented by "" on the display.
CENTERING BETWEEN MARGINS

By a simple key operation, your typewriter can automatically center texts between the left and right margins. This feature is especially useful for centering a heading or title.

- When **INDENT** (see page 33) is displayed, centering will be performed between the indented position and the right margin.

Prior to any centering operation, make sure that:

- The display has been cleared.
- Nothing is typed on the current line.

1. Press **CODE**. "CODE" will be displayed.

2. Press **1**. "CENTER" will be displayed. The carrier will move to the left margin or an indented position on the same line.

3. Enter the text you wish to center. It will be displayed but not printed.

4. Press **RETURN** to center and print your text. The carrier will return to the left margin or an indented position on the next typing line. The display will be cleared.

- If you press **TAB** to center and print your text, the carrier will move to the next tab position or the right margin and the display will be cleared.

- To cancel a centering operation before the text is printed, press **CODE** and **1** again.
- When the length of an entered text exceeds the space between margins, the alarm will sound and no further entry will be possible.
CENTERING BETWEEN TABS

Your typewriter can automatically center texts between tabs or between a tab and either margin. You will find this function especially useful in typing table headings.

Position the carrier

1. Move the carrier to the left margin or to the left setting of a tab pair.

2. Press [CODE]. "CODE" will be displayed.

3. Press [2]. "CENTER" will be displayed.

4. Enter the text to be centered. It will be displayed but not printed.

5. Press [TAB] to center and print the text. The carrier will move to the next tab. The typewriter will wait for the next text to be entered.

- Repeat steps 4 and 5 as required.

6. After the last centering operation has been performed, press [RETURN] to move the carrier to the next line.

- For additional centering on the next line, begin again from step 1.

To cancel a centering between tabs operation before the text is printed, press [CODE] and [2] again.

When the length of an entered text exceeds the space between tabs, the alarm will sound and no further entry will be possible.
RIGHT MARGIN ALIGNMENT

This function aligns the final character of an entered text with the right margin and is useful in typing dates, complimentary closes, etc.

September 27, 1989
A-Flex Test Market
evaluated the performance of the countries

1. Press CODE. "CODE" will be displayed.

2. Press 4. "CENTER" will be displayed. The carrier moves to the right margin.

3. Enter the text to be right-aligned. It will be displayed but not printed.

4. Press RETURN to right-align the text. The carrier will then return to the left margin of the next line.

• To cancel a right margin alignment operation before the text is printed, press CODE and 4 again.
INDENTATION

This function is used to set a temporary left margin (indent position). The carrier moves to the indent position instead of the actual left margin when it is returned.

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Setting an Indent Position

1. Press the space bar or → to move the carrier to the desired position.

2. Press [CODE]. “CODE” will be displayed.

3. Press [5]. “INDENT” will be displayed. The indent position is set.

4. Type as usual. When the carrier is returned, it will move to the indent position and stop.
   - If you wish to start typing between the left margin and the indent position, press ← to bypass the set indent position.

Clearing an Indent Position

1. Press [CODE]. “CODE” and “INDENT” will be displayed.

2. Press [5]. “CODE” and “INDENT” will be cleared from the display and the indentation function will be canceled.
You can align numbers quickly and easily at preset decimal tab positions by following the procedure below.

- This function can be used to align numbers and number-symbol combinations.

### Setting Decimal Tabs

1. Press the space bar or \(-\) to move the carrier to the appropriate decimal tab.

2. Press [CODE]. "CODE" will be displayed.

3. Press [TAB SET]. "CODE" disappears from the display. The decimal tab is now set at the carrier position.

### Confirming decimal tab positions

1. Press [CODE]. "CODE" will be displayed.

2. Press [TAB] to move the carrier to the set decimal tab position to the right of the carrier position.
   - If no decimal tab is set between the carrier position and the right margin, the alarm sounds and the carrier will not move.
Executing Decimal Tabs

1. Press [CODE] and then 6. "DECTAB" will be displayed.

2. Enter the number. The number entered will be displayed.
   - Integers and number-symbol combinations can also be entered.

3. Press [CODE] and then 6 to print the number and ready the typewriter to accept another number.

4. After you have typed the last number on the line, press [TAB] or [RETURN].
   - To cancel this operation midway, press [CODE] and 6 again after first erasing all the typed numbers.

If the alarm sounds:
- No decimal tab is set to the right of the carrier position.
- The entered number exceeds the space between the decimal tabs.
Clearing Specific Decimal Tabs

1. Press [CODE] and then [TAB]. The carrier will move to the position of the set decimal tab.

2. Press [TAB CLR] to clear the decimal tab.

Clearing All Decimal Tabs

1. Press [CODE]. "CODE" will be displayed.

2. Press [TAB CLR] to clear all decimal tabs.
   - This operation also clears all tabs.
ALARMS

To enable you to use the various functions of your typewriter effectively, an alarm sounds if you operate the typewriter incorrectly. The table below covers those problems that you are most likely to encounter.

**BASIC OPERATIONS**

<table>
<thead>
<tr>
<th>Operation taking place</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting margins</td>
<td>An attempt was made to set less than one inch between margins.</td>
<td>Set more than one inch between margins.</td>
</tr>
<tr>
<td>Correcting text</td>
<td>Characters were inserted that pushed the end of the line to the right margin.</td>
<td>Press [MARGIN RELEASE], or delete the character(s) at the margin and insert a hyphen.</td>
</tr>
<tr>
<td>Setting tabs and decimal tabs</td>
<td>An attempt was made to set more than 16 tabs and decimal tabs.</td>
<td>Clear unnecessary tabs and decimal tabs.</td>
</tr>
<tr>
<td>Centering</td>
<td>When centering between margins or between tabs, the number of characters entered exceeds the number that can be printed in the available space.</td>
<td>Reset margins or tabs so that there is more space between them or reduce the number of characters typed.</td>
</tr>
<tr>
<td></td>
<td>An attempt was made to center between margins after entering characters on the display.</td>
<td>Use [←] to delete the characters from the display and then perform the centering operation.</td>
</tr>
<tr>
<td>Executing decimal tabs</td>
<td>Decimal tab was not set to the right of the carrier.</td>
<td>Move the carrier to a position left of the decimal tab, or set a new decimal tab.</td>
</tr>
</tbody>
</table>
### Others

<table>
<thead>
<tr>
<th>Operation taking place</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>—</td>
<td>MODE setting is not complete (the MODE indicator is blinking).</td>
<td>Press <strong>MODE</strong> to complete setting.</td>
</tr>
<tr>
<td>—</td>
<td>An attempt was made to enter or print beyond the right margin while typing.</td>
<td>Press <strong>MARGIN RELEASE</strong> or delete characters, enter a hyphen and continue the word on the next line.</td>
</tr>
<tr>
<td>—</td>
<td>“CODE” appears on the display.</td>
<td>Press <strong>CODE</strong> to make “CODE” disappear.</td>
</tr>
<tr>
<td>—</td>
<td>“MODE” appears on the display.</td>
<td>Press <strong>MODE</strong> to make “MODE” disappear.</td>
</tr>
</tbody>
</table>
TROUBLESHOOTING

Information contained in the following table will help you to keep your typewriter running smoothly. Check these items before contacting your dealer.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation impossible when power switch is on.</td>
<td>• Make sure the batteries are loaded correctly.</td>
</tr>
<tr>
<td></td>
<td>• Check the adapter by plugging it into a different AC outlet.</td>
</tr>
<tr>
<td></td>
<td>• Check the AC outlet where the AC adapter is plugged in by</td>
</tr>
<tr>
<td></td>
<td>plugging in another device.</td>
</tr>
<tr>
<td>Printout is too light or too dark.</td>
<td>• Adjust the print density dial.</td>
</tr>
<tr>
<td></td>
<td>• Try a different type of paper.</td>
</tr>
<tr>
<td>Character density, character width or margins are uneven.</td>
<td>• Replace the batteries.</td>
</tr>
<tr>
<td>Typewriter does not print.</td>
<td>• Replace the ribbon cassette.</td>
</tr>
<tr>
<td>Print head is against the platen.</td>
<td>• Turn the power switch on to reposition the print head and then</td>
</tr>
<tr>
<td></td>
<td>off again.</td>
</tr>
<tr>
<td>Line printout is incomplete.</td>
<td>• Replace the batteries.</td>
</tr>
<tr>
<td>Typewriter does not accept envelope.</td>
<td>• Use a different type of envelope.</td>
</tr>
</tbody>
</table>

CLEANING THE PRINT HEAD

When printed characters get blurred or when paper gets stained, clean the print head with a soft cloth or paper.

1. Turn off the power switch, open the hood and remove the ribbon cassette.
2. Put a cloth or sheet of soft paper between the print head and platen.
3. With the print head pressed gently against the platen, slide the cloth or paper sideways.
KEEPING YOUR TYPEWRITER IN GOOD CONDITION

Clean the outer surface of your typewriter by gently wiping off any dust with a dry, soft cloth. Do not use water or organic solvents (ketone, thinners, etc.). The typewriter is shipped after full inspection. However, if any problems should occur, please contact the sales outlet where you purchased your typewriter.

Avoid exposing the typewriter to high temperatures and humidity. Never leave the typewriter in the trunk or on the dashboard of your car.

Be careful not to drop any foreign objects into the typewriter.

Avoid using the typewriter in a dusty environment.

Avoid exposing the typewriter to direct sunlight.
TYPEWRITER COVER

- Always carry the typewriter by the handle and use the cover for protection.

The typewriter cover accommodates:

Ribbon cassette ........................................ 2 pcs

Storing the ribbon cassette

Place the ribbon cassette into the storage area in the cover as indicated to the left.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printing method</strong></td>
<td>32 x 26-dot thermal-transfer printer</td>
</tr>
<tr>
<td><strong>Printing speed</strong></td>
<td>Max. 18 characters per second</td>
</tr>
<tr>
<td><strong>Typestyle</strong></td>
<td>COURIER 10, CUBIC* PS</td>
</tr>
<tr>
<td><strong>Ribbon cassette</strong></td>
<td>Ink ribbon cassette</td>
</tr>
<tr>
<td><strong>Ribbon color</strong></td>
<td>IR-50II (black), IR-51II (red), IR-52II (blue)</td>
</tr>
<tr>
<td><strong>Ribbon life</strong></td>
<td>32,000 characters</td>
</tr>
<tr>
<td><strong>Ribbon storage</strong></td>
<td>Under 104° F (40° C) and 85% r.h.</td>
</tr>
<tr>
<td><strong>Print pitch</strong></td>
<td>10 character/inch, PS (Proportional Spacing)</td>
</tr>
<tr>
<td><strong>Line spacing</strong></td>
<td>1, 1-1/2 and 2 lines</td>
</tr>
<tr>
<td><strong>Maximum paper width</strong></td>
<td>9-1/2 inches (241 mm)</td>
</tr>
<tr>
<td><strong>Maximum print width</strong></td>
<td>8 inches (203 mm)</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>5 x 7 dots, 15-character, liquid crystal display</td>
</tr>
<tr>
<td><strong>Keyboard</strong></td>
<td>44-key, multilingual keyboard</td>
</tr>
<tr>
<td><strong>Number of characters</strong></td>
<td>108 characters</td>
</tr>
<tr>
<td><strong>Key buffer</strong></td>
<td>80 characters</td>
</tr>
<tr>
<td><strong>Power source</strong></td>
<td>4 size-D (R20) dry batteries (6V DC, 6W) AC adapter</td>
</tr>
<tr>
<td><strong>Ambient temperature</strong></td>
<td>50°F — 95°F (10°C — 35°C)</td>
</tr>
<tr>
<td><strong>Ambient humidity</strong></td>
<td>20% — 85% r.h.</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>12-3/4 (W) x 11-5/8 (D) x 2-11/16 (H) inches</td>
</tr>
<tr>
<td></td>
<td>(324 x 295 x 68 mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.2 kg (5 lbs.) only typewriter</td>
</tr>
</tbody>
</table>

*CUBIC* is the trademark of CARACTERES SA, SWITZERLAND.  
Subject to change without notice.

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### UNIT CONTENTS

- Typewriter
- Ink ribbon cassette
- AC adapter AD-6 (U.S.A. and Canada only)
- Instruction manual
- Ten sheets of paper
- Warranty card (only for U.S.A. and Canada)
## MODE KEY FUNCTIONS

Press **MODE** and the desired function key to set the modes listed below.

<table>
<thead>
<tr>
<th>Operation</th>
<th>For UK</th>
<th>Function</th>
<th>Reference page</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 3 2 1</td>
<td></td>
<td>Sets line spacing mode to 1.</td>
<td>14</td>
</tr>
<tr>
<td>+</td>
<td></td>
<td>Sets line spacing mode to 1 1/2.</td>
<td>14</td>
</tr>
<tr>
<td>+ 2</td>
<td></td>
<td>Sets line spacing mode to 2.</td>
<td>14</td>
</tr>
<tr>
<td>+ 3</td>
<td></td>
<td>Sets typing mode to C.</td>
<td>15</td>
</tr>
<tr>
<td>+ 4</td>
<td></td>
<td>Sets typing mode to L.</td>
<td>15</td>
</tr>
<tr>
<td>+ 5</td>
<td></td>
<td>Sets printing mode to normal print.</td>
<td>16</td>
</tr>
<tr>
<td>+ 6</td>
<td></td>
<td>Sets printing mode to double-width print.</td>
<td>16</td>
</tr>
<tr>
<td>+ 7</td>
<td></td>
<td>Sets printing mode to underlined print.</td>
<td>16</td>
</tr>
<tr>
<td>+ 9</td>
<td></td>
<td>Sets manual carrier return mode.</td>
<td>16</td>
</tr>
<tr>
<td>+ 0</td>
<td></td>
<td>Sets automatic carrier return mode.</td>
<td>16</td>
</tr>
<tr>
<td>+ 8 5 2</td>
<td>For UK</td>
<td>Sets justified text mode.</td>
<td>17</td>
</tr>
<tr>
<td>+ 8 5 4</td>
<td></td>
<td>Moves the carrier while using the display.</td>
<td>15</td>
</tr>
<tr>
<td>Operation</td>
<td>Function</td>
<td>Reference page</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>+</td>
<td>Sets typestyle mode to A.</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>MODE +</td>
<td>Sets typestyle mode to B.</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>+</td>
<td>Sets/cancels shading print mode.</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>
## CODE KEY FUNCTIONS

Press [CODE] and the desired function key to activate the automatic functions listed below.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Function</th>
<th>Reference page</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 1</td>
<td>Sets centering between margins.</td>
<td>30</td>
</tr>
<tr>
<td>+ 2</td>
<td>Sets centering between tabs.</td>
<td>31</td>
</tr>
<tr>
<td>+ 4</td>
<td>Executes right margin alignment.</td>
<td>32</td>
</tr>
<tr>
<td>+ 5</td>
<td>Sets/clears indent position.</td>
<td>33</td>
</tr>
<tr>
<td>+ 6</td>
<td>Executes decimal tab.</td>
<td>35</td>
</tr>
<tr>
<td>+ 0</td>
<td>Executes automatic paper feed.</td>
<td>21</td>
</tr>
<tr>
<td>+ TAB SET</td>
<td>Sets decimal tab.</td>
<td>34</td>
</tr>
<tr>
<td>+ TAB</td>
<td>Confirms decimal tab position.</td>
<td>34</td>
</tr>
<tr>
<td>+ TAB +</td>
<td>Clears specific decimal tab.</td>
<td>36</td>
</tr>
<tr>
<td>+ TAB CLR</td>
<td>Clears all tabs and decimal tabs.</td>
<td>25, 36</td>
</tr>
<tr>
<td>+ TAB CLR</td>
<td>Executes permanent hyphen</td>
<td>29</td>
</tr>
<tr>
<td>Operation</td>
<td>Function</td>
<td>Reference page</td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>----------------</td>
</tr>
<tr>
<td>+ B</td>
<td>Executes permanent space.</td>
<td>29</td>
</tr>
<tr>
<td>CODE +</td>
<td>Executes controlled carrier movement.</td>
<td>28</td>
</tr>
<tr>
<td>+ RETURN</td>
<td>Returns carrier without line feed.</td>
<td>17</td>
</tr>
</tbody>
</table>
FCC REGULATIONS (for U.S.A. only)

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which 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 this equipment does cause 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 the receiving antenna.
- Relocate the computer with respect to the receiver.
- Move the computer away from the receiver.
- Plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:


* Use of shielded cable is required to comply with Class "B" limits of the FCC rules. The above statement applies to the 120 V product.

RADIO INTERFERENCE REGULATIONS
(Canada only)

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