PARTS and KEY FUNCTIONS

MARGIN RELEASE
Releases the margins for additional typing or margin resetting. Also releases the keyboard lock.

KEYBOARD SELECTOR
Controls the keys that type two different character sets.

MODE
Sets typing modes and formats.

TAB
Moves the carrier to the next tab.

SHIFT LOCK
Sets the typewriter for continuous uppercase typing.

SHIFT
Used to type uppercase characters. Also releases the SHIFT LOCK function.

REPEAT
Repeats the last printed or displayed character.

SPACE
Moves the carrier one space to the right or inserts a space into the display.

CODE/CENTER indicator
Display contrast dial
Paper release lever

Platen knob
Pitch scale
Mode windows
Display

LEFT MARGIN
Sets the left margin.

RIGHT MARGIN
Sets the right margin.

TAB SET
Sets tabs.

TAB CLEAR
Clears tabs.

Power switch
CURSOR LEFT/BACK SPACE
Moves the cursor one character space to the left.

CURSOR RIGHT
Moves the cursor one character space to the right.

CANCEL
Cancels characters on the display.

RETURN
Returns the carrier to the left margin of the next typing line.

CODE
Used with other keys to perform a variety of automatic functions.

Print density dial

* Auto-repeat key: Automatically repeats the function when pressed continuously.
INTRODUCTION

Please read these instructions carefully before using your TYPESTAR 5 to ensure proper performance. If you have any questions, contact the dealer from which you purchased your TYPESTAR 5.

Product Package

Your TYPESTAR 5 has been packed with all of the necessary supporting items. Make sure that the following have been included in the package:

- Typewriter
- Ribbon cassette (1)
- Batteries (4)
- Instructions
- Paper (10 sheets)
- Warranty (for U.S.A. only)

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**TYPESTAR 5 FEATURES**

The TYPESTAR 5 brings you all of the conveniences of electronic typing from keytouch to day-in and day-out Canon durability.

Two built-in typestyles give you a choice of COURIER 10 or CUBIC * PS with a simple keystroke operation.

A versatile multilingual keyboard provides for typing in English, German, French, Spanish and Italian.

Thermal-transfer printing means virtually silent typing, so the TYPESTAR 5 can even be used in meetings or in the classroom without distraction.

CUBIC PS produces neat, perfectly-spaced, truly professional documents.

An easy-to-read, 15-character display offers check as you go text entry and fast on-display corrections.

Automatic functions like carrier return, underlining, double-width character printing and centering enable even novice typists to achieve expert results.

Thank you for your interest in the newly-announced Canon personal typewriter TYPESTAR 5.
BATTERIES

The TYPESTAR 5 operates on four size D (R20) dry batteries. Use the following procedure to load new batteries.

1. First turn the power switch off. (See page 6.)
2. Open the battery cover on the back underside of the typewriter by sliding it in the direction indicated by the arrow.
3. Load four size-D (R20) batteries from the negative pole side as shown in the diagram.
   - See the battery case for the proper polarity setting.
4. Slide the battery cover back in place until it clicks.

CAUTION
- Replace all four batteries at the same time.
- Use batteries with the same rating from the same maker.
- Remove the batteries from the typewriter if it will not be used for an extended period.

Battery Change Indicator
Replace batteries immediately when the battery change indicator is displayed.

RIBBON CASSETTES

Loading

1. Turn the power switch off and open the typewriter hood. (See page 6.)
2. Turn the hub in the direction of the arrow until the ribbon is taut. Position the cassette as shown, making sure that the ribbon is positioned between the platen and the printing head. Press down gently until the cassette clicks into place. Close the hood.

- The life expectancy of one ribbon cassette is about 32,000 characters (including spaces).
- To prevent the typewriter from running out of ribbon during typing, check the ribbon for its residual by opening the hood.

Removing

Grasp the cassette as shown and lift straight up.

CAUTION
- Store extra cassettes in a cool, dry location.
POWER SWITCH

The power switch is located on the right side of the typewriter in the middle. Turn this switch on as shown in the diagram. The carrier will return to the left margin when the power is turned on.

Margins, tabs and mode settings are retained when the power switch is turned off. They are cleared, however, when:

- The batteries are replaced.
- The AC adapter is unplugged from the AC outlet before unplugging from the typewriter.
- The typewriter's power switch is on and the AC adapter is connected to or disconnected from the typewriter.

CAUTION
Do not turn the power switch off during printout.

Keyboard Angle
You can change the angle of the keyboard by folding down the retractable pegs at the back, on the undersides of the typewriter.

PAPER

Insert the sheet of the typing paper that was included in the packing box using the following procedure.

1. Insert one sheet as shown.

2. Feed the paper by turning the platen knob clockwise.

3. Pull the paper release lever forward if you need to adjust the paper. Then push the lever back to its original position.

- Canon recommends using paper of the same thickness and texture as the sample included with your TYPESTAR S.
- Thick paper may interfere with the smooth operation of the machine. In such a case, replace with a thinner sheet.
QUICK REFERENCE TO TYPING PROCEDURES

Now it's time to try your hand at typing. Type the following sentence:

A journey of a thousand miles starts with one step.

As you can see, each character is displayed as you enter it.

A journey of a

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

A journey of a thousand miles starts with one step.

Since the TYPESTAR 5 has an automatic on-display correction function (see pages 18–19), you'll find this method the most convenient for everyday typing. A more detailed explanation is included later, so now you only need to remember this procedure:

1. Type the text.
2. The text is displayed.
3. Press [RETURN].
4. The text is printed.
5. Correct any errors.

You can also use the TYPESTAR 5 as a conventional typewriter, in which each character is printed as the key is pressed. This is described on page 13.

KEYBOARD LOCK AND ALARM
To prevent typing errors, the keyboard locks and the alarm sounds if more than two keys are pressed at the same time. Press [MARGIN RELEASE] to unlock the keyboard when it locks.

Display Contrast
The display contrast dial is located above the keyboard immediately to the right of the display. Turn this dial clockwise for higher contrast or counterclockwise for lower contrast.

Print Density
The print density dial is located on the right side of the typewriter near the front. Turn this dial clockwise for darker printout or counterclockwise for lighter printout.
M O D E S

The TYPESTAR 5 incorporates a variety of easy-to-use automatic functions to accommodate specific typing applications. Different operating modes, etc. can be set using the simple operation described on the next page.

The illustration below shows the positioning of the mode windows with all of the available settings.

The settings displayed in the mode windows when you are typing are the “current” settings.

<Mode Setting>

1. Press **MODE**.
   - All settings within the mode window of the last mode set are displayed and the current setting blinks.

2. Press ← or → to position the blinker at the correct setting.

3. Press **RETURN** to select the blinking setting.
   - The blinker moves to the current setting in the next mode window.

4. Repeat the last two steps as necessary until all mode settings are correct.

5. Press **MODE** to complete the mode setting operation.
   - Modes can be reset at any time, as long as the power switch is on.
<Line Spacing Mode>

Three different automatic line spacing settings are available.

Single spacing  Line and a half spacing  Double spacing

1  Canon personal typewriter TYPESTAR 5.
2  Canon personal typewriter TYPESTAR 5.
3  Canon personal typewriter TYPESTAR 5.

Variable Line Spacing

You can adjust the paper positioning to a different typing line by pushing in on the right platen knob while turning it either clockwise or counterclockwise. This feature enables you to reposition the paper for additional typing or typing preset forms.

<Operation Mode>

The TYPESTAR 5 has two typing modes, "C" for character-by-character typing, and "L" for line-by-line typing.

C  Character-by-character:
Each character is printed as it is entered, just as on a conventional typewriter.

L  Line-by-line:
Characters are displayed as they are entered for easy checking or correction. They are then printed when TAB or RETURN is pressed.
<Printing Mode>
The TYPESTAR 5 offers four different printing modes: normal, normal with automatic underlining, double-width and double-width with automatic underlining.

<Setting>    <Function>    <Display>    <Printout>
\[XX\]         Normal print          CANON ETW  CANON ETW
\[XX\]         Underlined print     CANON ETW  CANON ETW
\[X\]          Double-width         CANON ETW  CANON ETW
\[X\]          Underlined double-width print CANON ETW  CANON ETW

<Carrier Return Mode>
There are two modes of carrier return, manual and automatic.

Manual carrier return:
Press \[RETURN\] to return the carrier.

Automatic carrier return:
The carrier returns automatically when a space or hyphen is entered in the hot zone.

**HOT ZONE**
The hot zone (sometimes called the bell or adjust zone) is a preset six-character (Courier 10 spacing) area immediately to the left of the right margin. When the carrier reaches the beginning of the hot zone, the alarm sounds to alert the typist that the line is almost full. It also causes the carrier to return when a hyphen or space is entered after the alarm sounds, if the TYPESTAR 5 is set for automatic carrier return.
**Typestyles**

The TYPESTAR 5 has two built-in typestyles, COURIER 10 and CUBIC PS (Proportional Spacing).

During the typestyle setting operation, the typestyle which corresponds to the blinking setting (A or B) is displayed.

![Typestyle Diagram]

**A  COURIER 10**

The printout contains 10 characters per inch. This typestyle is easy-to-read and well suited for term papers, drafts, etc.

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

**B  CUBIC PS**

The space between each character is the same regardless of the width of the character typed. This typestyle is easy-to-read and is especially suited for final drafts, business letters, etc. However, it is recommended that you use COURIER 10 for drawing tables.

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

---

**Keyboard (KB) Selector**

This selector controls the keys that have three or four different characters on the keytop.

![Keyboard selector diagram]

To change character sets, simply press KB. The current setting is then displayed on the keyboard indicator.

**Keyboard Indicator**

1. **Keyboard I**
   - Prints the character(s) on the left side of the keytop.
2. **Keyboard II**
   - Prints the character(s) on the right side of the keytop.

**Using the Accent Symbols (°, ‰, ‰², …)**

1. First, press KB to select keyboard II.
2. Press 5 (°), 6 or 7.
   - Neither carrier nor cursor will move.
3. Type an alphabetic key.
CORRECTION

You can correct texts on the display before they are printed when the TYPESTAR 5 is set for line-by-line (L) typing. Only displayed texts can be corrected.

DELETION

1. Press \( \text{\textendash} \) to move the cursor (\( \rightarrow \)) to the character that will be deleted.
2. Press \( \text{DEL} \) to delete the character.
   - You can also delete an entire word, phrase or line by pressing \( \text{DEL} \) and then \( \text{REPEAT} \).
3. Press \( \text{RELOC} \) to move the cursor back to the last entry position prior to correction.

EXAMPLE
Suppose you typed "advace" instead of "advace". Here's how to correct it.

1. Press \( \text{\textendash} \) three times.
2. Press \( \text{DEL} \).
3. Press \( \text{RELOC} \).

INSERTION

1. Press \( \text{\textendash} \) to move the cursor (\( \rightarrow \)) to the character position immediately to the left of where the new character(s) will be inserted.
2. Type the character(s) that will be inserted.
3. Press \( \text{RELOC} \) to move the cursor back to the last entry position prior to correction.

EXAMPLE
Suppose you typed "advace" instead of "advace". Here's how to correct it.

1. Press \( \text{\textendash} \) twice.
2. Type in "n".
3. Press \( \text{RELOC} \).

- If insertion is attempted when the line is completely full, the alarm will sound and the keyboard will lock. Press \( \text{MARGIN RELEASE} \) to unlock the keyboard and continue the insertion operation.
MARGINS

SETTING MARGINS
Set the typewriter for normal print (**) before setting margins.

1. Press SPACE or \ to position the carrier at the required margin.

2. Press LEFT MARGIN to set the left margin or RIGHT MARGIN to set the right margin.
   The old margin is cleared automatically.

DETERMINING THE CARRIER/TYPING POSITION
- When you are setting margins and tabs, the point of the arrow indicates the current carrier position. This position is where the margin or tab will actually be set.
- During typing, the point of the arrow indicates the center of the next character which will be typed.
- For additional typing on the previous line, refer to the figure on the left and adjust the horizontal position.

SETTING NEW MARGINS OUTSIDE THE CURRENT MARGINS
1. Press MARGIN RELEASE when the carrier stops and the alarm sounds at either of the current margins.

2. Position the carrier at the required margin.

3. Press LEFT MARGIN to set the left margin or RIGHT MARGIN to set the right margin.

- The minimum distance between margins is about one inch (approx. 2.5 cm). An attempt to set margins within this distance will sound the alarm.

MOVING THE CARRIER
Use \ and SPACE to move the carrier when setting margins and tabs. If the typewriter is set for line-by-line typing (\), these keys can only be used to move the carrier if nothing has been entered on the current typing line.
**TABS**

**SETTING TABS**
Set the typewriter for normal print (–) before setting tabs.

1. Press **SPACE** or **TAB** to position the carrier at the required tab.
2. Press **TAB SET** to set the tab.
   - A total of 10 tabs can be set. The alarm sounds if 10 tabs are already set.

**EXECUTING TABS**
1. Press **TAB** to move the carrier to the next preset tab or to the right margin if no other tabs are set beyond the current carrier position.

**CLEARING SPECIFIC TABS**
1. Press **TAB** to position the carrier at the tab that will be cleared.
2. Press **TAB CLEAR** to clear the tab.

**CLEARING ALL TABS**
1. Press **CODE** and **CODE** is displayed.
2. Press **TAB CLEAR** to clear all tabs.

---

**CENTERING**

The TYPESTAR 5 can automatically center texts between the left and right margins with the simple key operation described below.

1. Press **CODE** and **CODE** is displayed.
2. Press **1** and **CENTER** is displayed.
   - The carrier returns to the left margin of the current typing line.
3. Enter the text that will be centered and it is displayed.
4. Press **RETURN**.
   - The text is centered and the carrier returns to the left margin of the next line.
   - If the text that will be centered exceeds the allotted distance, the alarm will sound and the keyboard will lock.
   - If this occurs, or if you make a mistake, cancel the operation by pressing **CODE** and **1** and start the operation again from the beginning.
PERMANENT HYPHENS AND SPACES

This function allows you to type a hyphen or space in the hot zone and continue typing without the carrier returning, if the typewriter is set for automatic carrier return.

Permanent Hyphens

2. Press [ ].
   - A hyphen is printed (-) or displayed ( = ) without a carrier return.

Permanent Spaces

2. Press [SPACE ].
   - The carrier moves one space or a space (  ) is inserted into the display without a carrier return.

CARRIER RETURN WITHOUT LINEFEED

The carrier can be returned to the left margin without paper feeding.

2. Press [RETURN].
   - The carrier moves to the left margin on the same typing line.
ALARMS
The TYPESTAR 5 alarm sounds when an incorrect operation is attempted. Consult the following table to pinpoint and alleviate the problem.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
<th>See page</th>
</tr>
</thead>
<tbody>
<tr>
<td>More than 2 keys pressed simultaneously</td>
<td>Press MARGIN RELEASE</td>
<td>9</td>
</tr>
<tr>
<td>Mode setting incomplete (mode setting blinks)</td>
<td>Press MODE</td>
<td>11</td>
</tr>
<tr>
<td>Entry or printout beyond right margin attempted</td>
<td>Press RETURN or MARGIN RELEASE</td>
<td>23</td>
</tr>
<tr>
<td>CODE 9 is displayed</td>
<td>Press CODE</td>
<td></td>
</tr>
<tr>
<td>Keyboard locks during high-speed typing</td>
<td>Press MARGIN RELEASE</td>
<td></td>
</tr>
</tbody>
</table>

TROUBLESHOOTING
Use the table below to check the TYPESTAR 5 before contacting the 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 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></td>
<td>- Recharge the battery pack.</td>
</tr>
<tr>
<td>Typewriter does not print</td>
<td>- Replace the ribbon cassette.</td>
</tr>
<tr>
<td>Printing head is against the platen</td>
<td>- Turn the power switch on to reposition the printing head and then off again.</td>
</tr>
</tbody>
</table>

Canon cannot assume any responsibility for damage or malfunctions resulting from unauthorized repairs.

MAINTENANCE
Avoid exposing the TYPESTAR 5 to high temperatures and humidity which may damage it. Never leave the TYPESTAR 5 in the trunk or on the dashboard of your car.

Keep careful not to drop any foreign objects into the TYPESTAR 5.

Avoid using the TYPESTAR 5 in dusty locations.

CLEANING
Do not attempt to clean the TYPESTAR 5 with water or any organic compound (acetone, thinner, etc.). Use only a soft, dry cloth.

Cleaning the Printing Head
The printing head should be cleaned when the printout becomes obscure or ink stains appear on the paper. A soft cloth or paper is recommended for cleaning.

1. Remove the ribbon cassette.
2. Position the cloth or paper between the printing head and the platen.
3. Move the cloth or paper from side to side, gently depressing the printing head.

Canon recommends that you use the optional carrying case for maximum protection when transporting the TYPESTAR 5. For details, contact the dealer from which you purchased your TYPESTAR 5.
POWER SOURCE OPTIONS

The following optional power sources are available for use with your TYPESTAR 5:
- Canon AC Adapter AD-6 (DC 6V 800mA)
- NiCd Battery Pack-50 (rechargeable battery unit)

CAUTION
- Do not try to use the adapter with any other electrical device.
- Do not connect the adapter when the TYPESTAR 5 is not in use.
- Do not connect or disconnect the adapter jack unless the TYPESTAR 5's power switch is off.

Canon AC Adapter AD-6

Connecting the adapter
1. Turn the TYPESTAR 5's power switch off.
2. Plug the adapter into an AC outlet.
3. Insert the output plug into the AC adapter jack next to the power switch on the typewriter.
4. Turn the TYPESTAR 5's power switch on.

CAUTION
- Do not use the adapter with any other electrical device.
- Do not connect the adapter when the TYPESTAR 5 is not in use.
- Do not connect or disconnect the adapter jack unless the TYPESTAR 5's power switch is off.

NiCd Battery Pack-50

Load the battery pack so that a projection fits into the slot on the bottom of the battery case. And then replace the battery cover.

Recharging the battery pack
1. Make sure the TYPESTAR 5's power switch is off.
2. Connect the Canon AC Adapter AD-6 as described above. A full charge normally takes about 10 hours. Be sure to disconnect the adapter after this time period to avoid overheating.

CAUTION
- The typewriter can be used while the battery pack is being recharged.
- If you are typing and recharging the battery pack at the same time, be careful not to overcharge the batteries.

SPECIFICATIONS

Printing method: 32 x 26 dot thermal-transfer printer
Printing speed: 18 characters per second
Typestyles: Built-in, selectable typestyles:
- COUERIER 10 and CUBIC PS
Line spacing: 1.1-1/2 and 2 lines
Maximum paper width: 230 mm (9-1/16 inches)
Maximum print width: 300 mm (11-7/8 inches)
Display: 5 x 7 dots, 15-character, liquid crystal display
Keyboard: 44-key, multilingual keyboard
Number of characters: 106 characters
Key buffer: 80 characters
Key entry control: 2-key rollover system
Key pitch: 19.05 mm (3/4 inch)
Key stroke: 4 mm (5/32 inch)
On-display correction: One line
Ribbon color: Black, red, blue, brown
Ribbon life: Approx. 33,000 characters
Ribbon storage: Under 40°C (104°F) and 85% r.h.
Power source: 4 size D (R20) dry batteries (6 V DC 6 W)
Operating temperature: 10°C to 35°C (50°F to 95°F)
Operating humidity: 20% to 85% r.h.
Dimensions: 31.2 cm (W) x 26.7 cm (D) x 5.2 cm (H)
(12-9/32 in. x 10-1/2 in. x 2-1/16 in.)
Weight: 2.7 kg (6 lbs.) including batteries and ribbon cassette

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

FCC REGULATIONS

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: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00245-4.