

Canon

CANON INC. 11-20, Mita 3-chome, Minato-ku, Tokyo 106, Japan

- U.S.A. ——— **CANON U.S.A., INC. HEAD OFFICE**
10 Nevada Drive, Lake Success, Long Island, N.Y. 11040, U.S.A.
CANON U.S.A., INC. MANHATTAN OFFICE
600 Third Avenue, New York, N.Y. 10016, U.S.A.
CANON U.S.A., INC. CHICAGO OFFICE
457 Fullerton Avenue, Elmhurst, Illinois 60126, U.S.A.
CANON U.S.A., INC. LOS ANGELES OFFICE
123 Paulding Avenue East, Costa Mesa, California 92626, U.S.A.
CANON U.S.A., INC. LOS ANGELES SERVICE STATION
3407 West 6th Street, Los Angeles, California 90020, U.S.A.
CANON U.S.A., INC. HONOLULU OFFICE
814 1/2 B 2, 1050 Ala Moana Blvd., Honolulu, Hawaii 96814
- CANADA ——— **CANON OPTICS & BUSINESS MACHINES CANADA, LTD.**
HEAD OFFICE
3245 American Drive, Mississauga, Ontario, L4V 1B8, Canada
CANON OPTICS & BUSINESS MACHINES CANADA, LTD.
MONTREAL OFFICE
3070 Brabant Marinneau Street, St. Laurent, Quebec, H4S 1K7, Canada
CANON OPTICS & BUSINESS MACHINES CANADA, LTD.
VANCOUVER OFFICE
735 Elmbridge Way, Richmond, B.C., V6X 1B8, Canada
- EUROPE, AFRICA
& MIDDLE EAST ——— **CANON AMSTERDAM N.V.**
Oudekolk 70, Schiphol Oost, Holland
- CENTRAL &
SOUTH AMERICA ——— **CANON LATIN AMERICA, INC. SALES DEPARTMENT**
P.O. Box 7022, Panama 5, Rep. of Panama
CANON LATIN AMERICA, INC. REPAIR SERVICE CENTER
P.O. Box 2019, Colon Free Zone, Rep. of Panama
- SOUTHEAST ASIA ——— **CANON INC. HONG KONG BRANCH**
5th Floor 2-6, Tai Yiu Kok Street, Tsuen Wan, New Territories, Hong Kong

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Canon DATEMATIC



INSTRUCTIONS

Congratulations on choosing a Canon Datematic. This camera is equipped with a unique date imprinting mechanism and many other features which will surely mean pleasant shooting experiences.

Read this instruction book carefully and familiarize yourself well with everything concerning your Datematic, before you begin to use it.



Lens: Canon lens 40mm f/2.8, with 5 elements in 4 groups.

Focusing: Superimposed image rangefinder.

Distance Scale: 0.8, 1, 1.5, 2, 5m. and ∞ on bottom of lens barrel. Zone focusing marks on top.

Shutter: Programmed electronic shutter.

Automatic Exposure Range: EV1-17 with ASA 100 film.

Film Speed Scale: ASA 25-400.

Filter Compensation: Automatic.

Automatic Flash Mechanism: With the Canolite ED attached, the focused distance is coupled to the automatic exposure mechanism when the camera is set to "A". Guide numbers can be set for automatic flash operation when using ordinary flash units.

Guide Number Scale: 14, 20, 28 (ASA 100 in meters). Do not use in-between settings.

Flash Synchronization: X synchronization.

Viewfinder: With parallax correction mark, field of view frame, date imprinting mark, rangefinder, combination battery check/slow speed warning light.

Film Winding: Single stroke 132°. Stand-off 30°.

Film Loading: Multi-slot take-up spool.

Back Cover: Open pulling up the film rewind knob.

Frame Counter: S, 0-37. Automatically reset to "S" when the back cover is opened.

Flash Shoe: Built-in. With direct synchronization contact.

Date Imprinting Mechanism: Built-in. Date to be imprinted is set with the dials on lens barrel.

Date Indications: Year-74~83; 0~9 (blank space)
 Month-0~12 (blank space)
 Day-0~31 (blank space)

Dimensions: 118 x 75 x 59.5mm (4-5/8" x 2-15/16" x 2-5/16")

Weight: 440g. (15.5 ozs.)

Subject to change without notice.

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Using Your Datematic in 8 Easy Steps

1



Load the film.
(See P.10)

2



Remove the lens cap.

3



Set the ASA film speed.
(P.14)

4



Set the camera to "A"
(automatic photography)
(P.14)

5



Set the date.
(P.22)

6



Wind the film.
(P.13)

7



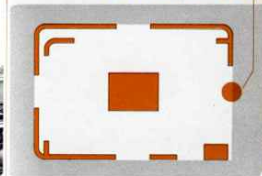
Focus. (P.16)

8



Press the shutter
button. (P.18)

Camera Shake Warning Light



● When the camera shake warning light in the viewfinder lights up, switch to flash photography or use a tripod.

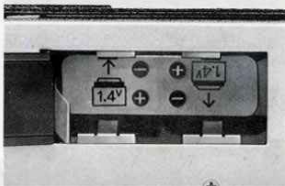
Mercury Battery Loading

- 1 To open the battery chamber, put your fingernail in the groove on the cover and push in the direction of the arrow.
- 2 Place batteries on the transparent ribbon with the poles matching the \oplus and \ominus marks inside the chamber.
- 3 To close the battery chamber, press the cover with your fingertip in the direction of the arrow.

- Two 1.4V mercury batteries are used. (Mallory RM640 or RM640H, Eveready E640 or E640E or equivalent.) They last approximately one year. Use two batteries of the same brand and always replace both batteries at the same time.

When you are not going to use the camera for a long time, remember to remove the batteries.

- Sweat or fingerprints on the batteries may break contact and affect shutter operation. This may also corrode the point of contact on the camera body. If batteries are dirty, make sure to wipe them clean.



Battery Checking

When the battery check button is pressed, the battery check lamp and the orange lamp in the viewfinder will light up.

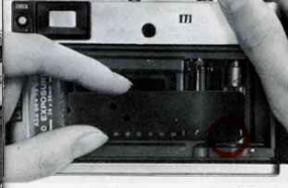
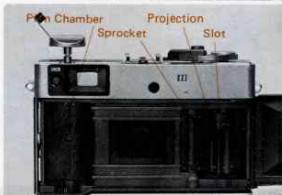
- If they do not light up, change the batteries. Mercury batteries can be bought in camera shops.
- The shutter button is locked and will not operate in the following cases. Check the batteries.
 1. When the mercury batteries are not loaded.
 2. When the batteries are corroded and contact is broken.
 3. When batteries are completely dead.
 4. When the batteries are not correctly loaded.



Film Loading

1 The back cover opens automatically when the rewind knob is pulled up.

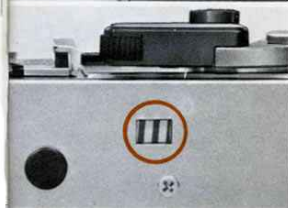
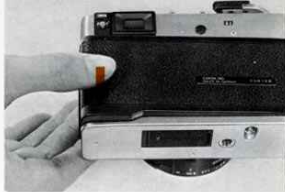
2 Put the cartridge into the film chamber as shown in the illustration. Then push down the film rewind knob.



3 Pull the film leader across the camera and insert its tip (about two perforations) into a slot in the take-up spool.

4 Stroke the winding level until the film is wound once around the take-up spool, with the film perforations engaged in the sprockets.

- 5** Make sure the film cartridge is placed properly. Then close the back cover.



Film Winding

When the winding lever is stroked, the exposed frame of film is wound and a new frame advances for the next shot.

After loading the film and closing the back cover, wind the film and press the shutter button. Repeat this once more, and then wind again. The first frame will be ready for shooting.

- When film is wound correctly, the red and white stripes in the film advance indicator will move. If not, reload the film correctly.

1 Setting the ASA Film Speed

Set the film speed immediately after loading the film. Rotate and set the ASA Setting Ring to the correct value as shown on the film box or cartridge.

2 Setting to the "A" (auto) Mark

Move the A/guide Number Lever until the red letter "A" becomes visible in the A/guide number window. Now the camera is set for automatic exposure. The shutter speed and the aperture appropriate to the brightness of the scene will be chosen automatically.



3 Deciding Composition

The yellow frame lines in the viewfinder indicates the area which will appear on the film. If you are going to shoot at very close distances (one meter or less), decide your composition by using parallax correction marks.

4 Focusing

Look into the viewfinder and rotate the focusing ring until the two images of the subject in the center square coincide. When the image is clear, the subject is in focus. If there is a double image, the subject is out of focus.



In focus



Out of focus

Parallax Correction Marks



Parallax Correction Mark

5 Releasing the Shutter

If the camera shake warning light in the viewfinder lights up when you press the shutter button, use a tripod to prevent camera shake or switch to flash photography.



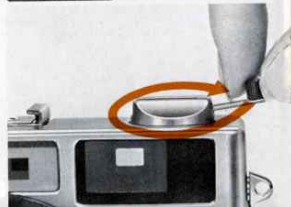
- For long exposures with the camera on a tripod, keep the shutter button depressed until the end of the exposure. Do not withdraw your finger until the red light on top of the camera goes off.
- Do not operate the winding lever while the shutter button is depressed.
- A cable release, such as the Canon Release, is recommended for holding in the shutter button when making long exposures.
- When shooting against the light, set the film speed dial to half the value of the film speed. For example, if you are using ASA 400 film, set the film speed to 200.

Film Rewinding

When all frames are exposed, rewind the film. If the back cover is opened without rewinding the film, the film will be exposed to light and the pictures you have taken will be lost.

1 Push in the film rewind button.

2 Fold out the film rewind crank from the knob and turn it in the direction of the arrow. Rewinding is completed when the red and white stripes in the film advance window stop moving.



3 Pull the film rewind knob up sharply. The back cover will pop open, so that you can remove the film cartridge.

Date Imprinting

The date imprinting mechanism has the following numbers.

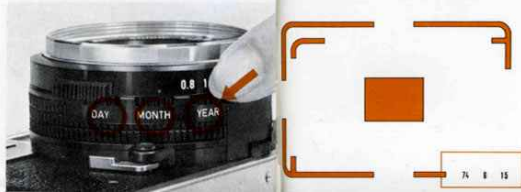
YEAR 74 ~ 83 (last two digits of years), 0 ~ 9 and □

MONTH 0 ~ 12 and □

DAY 0 ~ 31 and □

- The □ mark indicates a blank space and nothing will be imprinted on the photograph. The numbers may be combined to imprint the date or are used as reference numbers up to 999.

- 1 Move the year, month and day dials until the desired date is set in the date imprinting window.



- 2 Slide the date imprinting switch to "ON". When the date imprinting is set, a small yellow rectangle will appear in the lower right corner of the viewfinder.

- The numbers will be printed on the lower right corner of the 35mm frame with the year, month and day in that order from left to right.
- For black and white photographs, the numbers will be printed in white. To have the date printed clearly, try not to have white or bright subjects in the lower right corner. With color film, the date will usually appear in various shades of orange, but it depends on the film used.
- Wait until the shutter release button is fully cocked before winding film. If not, the numbers of the date will be blurred on the picture.
- When reloading a partly exposed roll of film, do not set the date imprinting mechanism before advancing the film through the camera, because the frames already exposed will be printed with that date.

For flash photography, use the Datematic's special electronic flash unit, the Canolite ED. With it, flash photography is performed in the same way as automatic exposure photography. You only need to focus to obtain properly exposed pictures. The same applied to the Canolite D, a direct connection electronic flash unit. With other electronic flash units and flash bulbs, the proper guide numbers must be set. When using flash units without direct contact, such as those mounted on brackets, the direct shoe adapter must be used.

Using the Canolite ED

- 1 Leave the A/guide number indicator at "A".
- 2 Attach the Canolite ED to the flash shoe. The shutter speed is switched automatically to the proper flash synchronization speed.
- 3 Turn the Canolite ED's switch on and make sure the neon ready light is lit.
- 4 Focus. The aperture is decided automatically with the distance.



- 5 Press the shutter button.
- With the Canolite ED, shooting distance should be between a range of 0.8m to 5m; otherwise proper exposure will not be obtained. Canolite D can also be used.

Using Other Flash Units

1 Attach the flash unit to the flash shoe. When using flash units without direct contact, attach the direct shoe adapter first. The shutter speed switches automatically to the proper synchronization speed for flash photography.

2 Set the proper guide number in the A/guide number window. 14, 20 and 28 are guide numbers at ASA 100 in meters.

3 Focus and release the shutter. The aperture is decided automatically.

- The proper guide number is given on the flash bulb package or in the instruction book of your electronic flash unit.
- Be sure to set the proper guide number. It is different for meters and feet. Use guide numbers for meters with your Datomatic.



Self-Timer Photography

- 1** Stroke the winding lever.
- 2** Turn the self-timer lever counterclockwise until it points to the red dot.
- 3** Press the shutter button down all the way until it is locked. Make sure that the self-timer lever is moving.

- If you do not turn the self-timer lever until it reaches the red dot, the shutter may not open. Always turn the lever so that it points to the red dot.
- In such low light conditions that over one second of exposure time is necessary, the self-timer cannot be used.

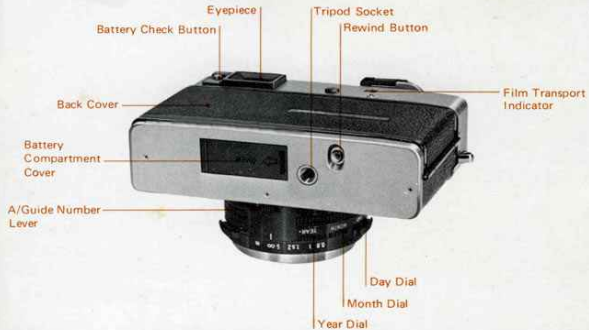
Using Filters

Since any filter will also cover the CdS window that receives light, troublesome calculations of exposure correction are unnecessary with the Datematic. Automatic exposure photography is possible as usual.



The Care of Your Canon Datematic

- 1 Do not leave your Datematic in hot places or in direct sun light. Do not leave it on the rear window shelf of your car or in the glove compartment or trunk. In the summer, temperatures in these places may exceed 60°C (140°F) causing damage to the camera.
- 2 Store your Datematic in a dry place at normal temperature.
- 3 When not using the camera, unload the mercury batteries. If they are kept in the camera for a long period of time, they may leak and damage the camera's battery contacts.
- 4 Do not touch the lens with your fingers. Fingerprints on the lens must be wiped clean with a lens cleaning cloth or paper, stroking gently in circular movements. Dust should be removed away with a blower brush.
- 5 After using your Datematic at the seaside, it must be cleaned carefully. Salt and sand will have an adverse effect on the camera.



Accessories



- ① Canon Canolite ED w/case
- ② 48mm Filters
Y1, Y3, O1, G1, R1, UV, CCA4,
CCA8, CCA12, CCB4, CCB8,
CCB12, Skylight, ND4, ND8
- ③ Canonet Hood 5
- ④ Canon Release 30
Canon Release 50
- ⑤ Direct Shoe Adapter