

Canon

DIAL 35-2

INSTRUCTIONS



English Edition

Canon

DIAL35-2

The Canon Dial 35-2 is a functionally beautiful and unique half frame electric-eye (EE) camera. After the shutter is released the film is automatically wound to the next frame.

Enjoy taking snapshots with this smartly styled Canon Dial 35-2.



Viewfinder window

Illuminating window

Focusing lever

Film sensitivity index

Film sensitivity adjusting lenses on a dial

Lens

Film sensitivity scale

Shutter speed index

Shutter release button

Exposure counter

EE-Flash change button

Film rewinding button (R)

Spring motor winding grip

Ten Big Features of Canon Dial 35-2

- 1 Automatic film winding and rewinding powered by a spring-driven motor.
- 2 Automatic film setting for the first exposure by winding up a grip.
- 3 The reversible exposure counter is coupled to both film winding and rewinding.
- 4 The accurate shutter speed priority EE mechanism automatically selects the correct aperture stop when the camera is aimed at a subject.
- 5 Snapshots can be taken by simply using the snapshot mark.
- 6 Necessary information for shooting pictures such as exposure, focus and composition can be read at a glance in the bright and marked viewfinder.
- 7 The filter factor is automatically corrected and so EE photography is possible as is.
- 8 The horizontally positioned pictures are of 24mm x 18mm half-frame size.

- 9 The easy-to-use grip has a built-in wrist strap.
- 10 The camera is of unique design and constructed for simple single-handed shooting.



Specifications

Type : Half-frame (24mm×18mm) camera using 35mm film.

Lens : Canon Lens SE 28mm F2.8. 5 elements in 3 components.

Focusing : Zone focusing method. Fixed focus shooting using snapshot mark.

Shutter Speeds : 1/30, 1/60, 1/125, 1/250 sec.

EE Exposure : Shutter speed priority type EE exposure using CdS meter. Manually operated aperture possible. One M20 type mercury battery used as power source.

Meter Coupling Range : EV8–EV17 at ASA 100. Film speed scale: ASA 10–1000.

Viewfinder : Bright frame marked viewfinder.

Parallax correction marks, aperture scale, zone focusing marks and snap mark indicated inside viewfinder.

Automatic Film Winding and Rewinding :

Power drive system by spring motor.

Over 20 continuous exposures possible with one full charge.

Automatic Film Setting Device : When spring motor is wound after film is loaded, film leader is automatically wound and film is set at first frame.

Exposure Counter : Automatic indicator type coupled to winding and rewinding.

Flash Synchronization : X contact. Synchronizes with speedlight M and MF type flash bulbs. Direct flash point for use with Canon Cube Flash D or Canon Flash D.

Wrist Strap : Built into bottom of winding grip.

Size : 99×75.5×43.5mm
(3-7/8"×3"×1-3/4")

Weight : 410 grams (0.9 lb.)

Taking Pictures with the Canon Dial 35-2 is Very Simple

1

Load the film.



2

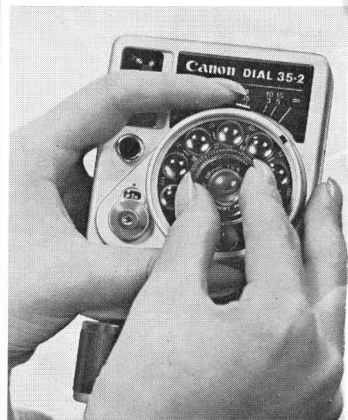
Wind the spring motor.



www.orphancameras.com

3

Set the film speed.



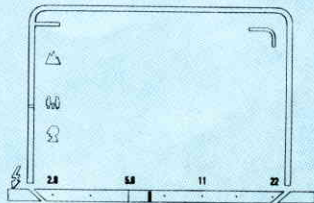
4

Set the shutter speed.



5

Focus while looking through the viewfinder and check the position of the meter needle.



6

Press the shutter release button.



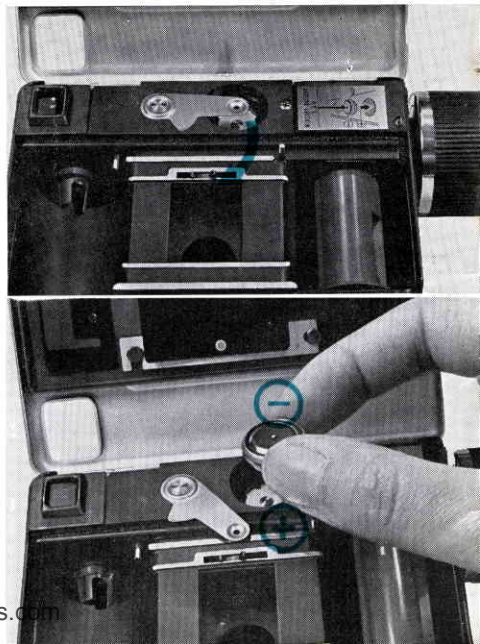
Preparations Before Shooting with Canon Dial 35-2 — Loading the Mercury Battery

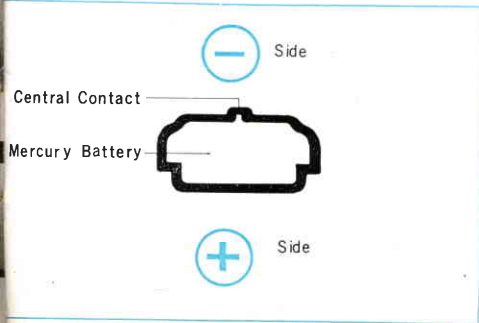
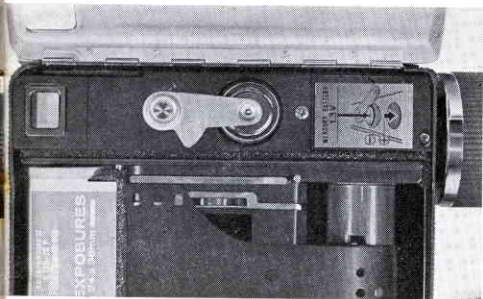
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Load the mercury battery, contained in a separate envelope, into the battery compartment of the camera. Since the mercury battery powers the CdS meter, the meter will not function unless the battery is loaded.

1 Lift the tip of the metal holder and turn it to the side.

2 Insert the mercury battery as indicated by the diagram. In other words, the (—) side (the side with the central contact) should be on the top side.





3 Return the metal holder to its original position.

Use 1.3V mercury batteries.

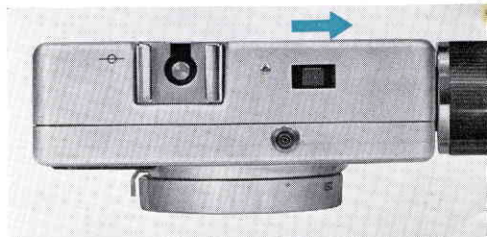
Maker	Type	Country
National	M-1D	Japan
Toshiba	TH-MC	Japan
Mallory	RM 625 N	U.S.A.
Eveready	E 625 R	U.S.A.

- Wipe the mercury battery clean of perspiration and fingerprints with a dry cloth. The mercury battery may corrode if this precaution is neglected.
- The service life of the mercury battery is approximately one year. The meter needle will no longer function when the mercury battery is used up. In this case, replace the mercury battery.
- The CdS meter will fail to function properly if the (+) and (-) point of the mercury battery is inserted incorrectly.
- Remove the mercury battery from the compartment when the camera is not to be used for a long period of time and keep both the battery and camera in a dry place.

Loading the Film

35mm film in cartridges are used with the Canon Dial 35-2.

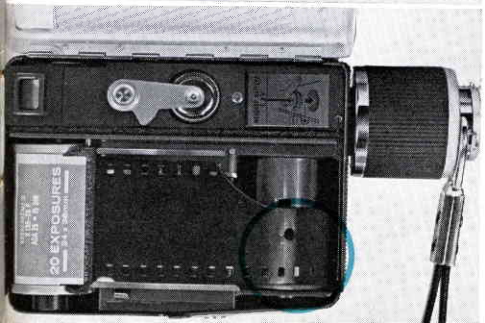
- 1 Open the back cover by pushing the back cover opening knob in the direction of the arrow.
 - When the back cover is opened the exposure counter indicates "S" (starting position).
- 2 Rotate the grip clockwise and check the rotation of the take-up spool.





3 Insert the film cartridge into the cartridge chamber.

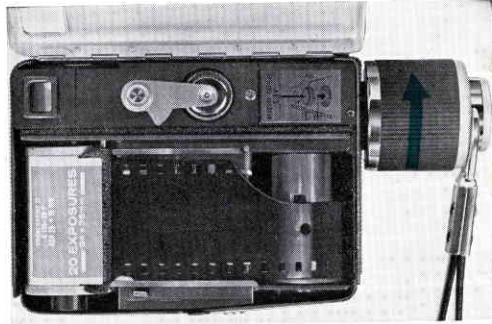
- The rewinding fork cannot be pulled out. Therefore, insert the film cartridge into the cartridge chamber from a slanted position.
- If the cartridge does not slide in smoothly, help it in by slightly moving the cartridge to left and right with your fingertips.



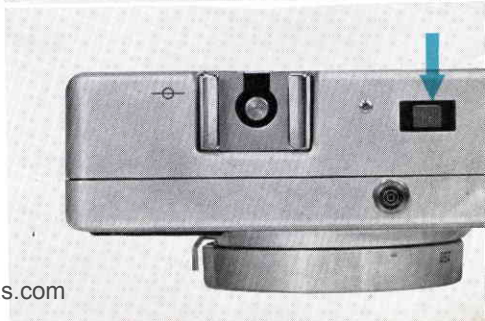
4 Insert the tip of the film into the slot of the take-up spool and securely hook the film perforations onto the sprocket.

- If the slot of the take-up spool is on the back side, turn the grip till the slot is in a good position for inserting the film tip.

5 Tighten the film by turning the grip.



6 Close the back cover by pressing down on it.



Winding the Film



1 After closing the back cover, turn the grip in the direction of the arrow to wind the spring motor. The exposure counter advances from "S" to "0".

- This means that the leader part of the film has advanced and the film is automatically set for the first exposure.

2 Keep winding the grip, even after the exposure counter indicates "0", until the spring motor is fully wound. When fully wound, the grip will start to race.

- Over 20 continuous exposures are possible with a fully wound spring motor. When you wish to continue shooting some more, fully wind up the spring motor again.
- If the spring motor is not wound, the film will not advance and the shutter release will not function.
- The exposure counter dial is indicated by a figure for every fifth exposure.

Setting the Film Speed

- 1 Turn the roulette on the outer side of the shooting lens with your finger.
- 2 Set the film speed graduation of the film to be used at the index mark on the shutter speed ring.

ASA	10	20	40	80	160	320	640
	16	32	64	125	250	500	1000

- Film speeds of film being sold today for general photographic purposes all fall within the above mentioned range.
- All the graduations click-stop at the index mark position. Correct exposure cannot be obtained if the graduations are not accurately stopped at the click-stop position.



Holding the Camera

Canon Dial 35-2 is designed so that when you look into the viewfinder the upper part of the camera touches your forehead naturally so as to prevent jerking of the camera position.



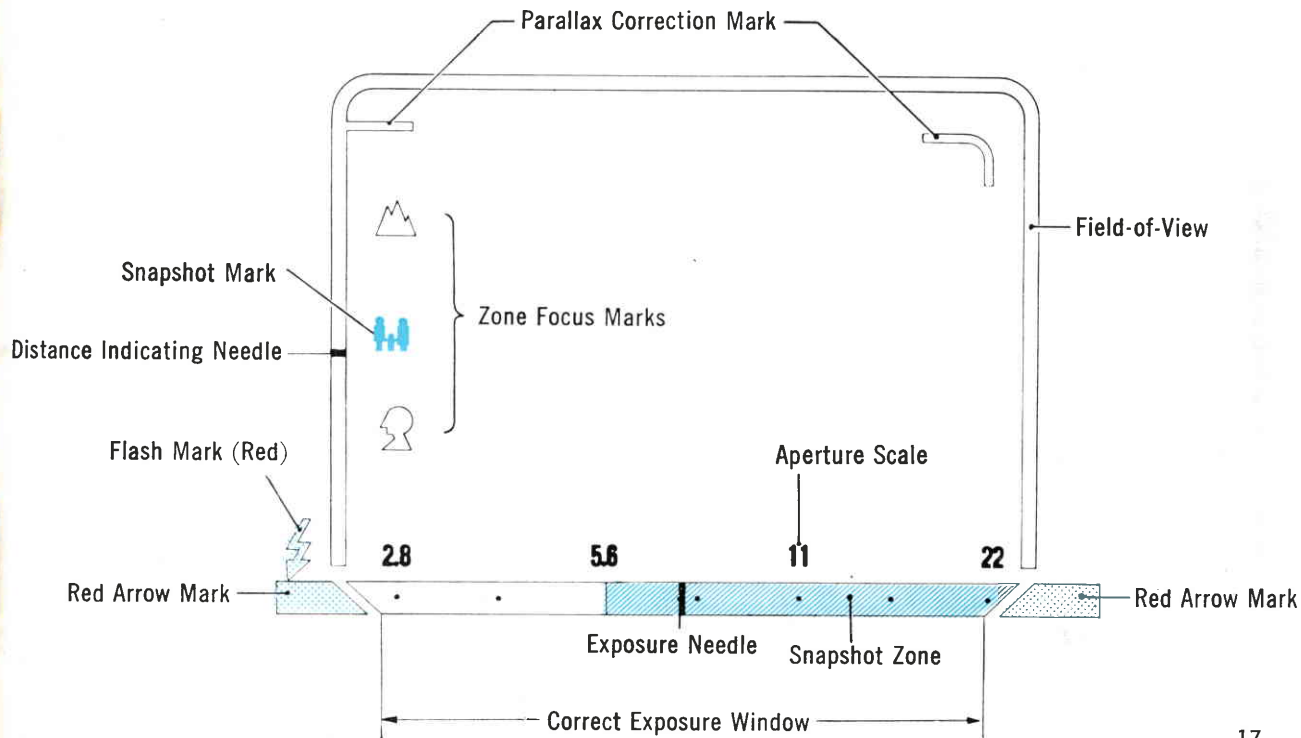
Photographic Information

Inside the Viewfinder

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- Look into the viewfinder.
- Inside the viewfinder you will see the frame for composing pictures, three zone focus marks, focusing needle, blue zone for snapshots, aperture stops and meter needle.





1. Check to see that **the EE-Flash change button** is **pressed** before performing EE photography.

2. Focusing

Turn the focusing lever while looking into the viewfinder and set the distance needle at the zone focus mark which corresponds most closely to the camera-to-subject distance.



Long distance mark
10 meters and over.



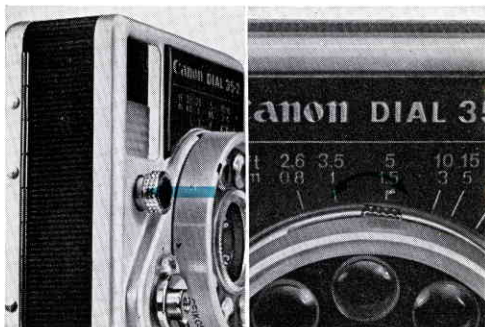
Medium distance mark (snapshot mark)
Approx. 3 meters



Close distance mark
Approx. 1 meter

- When you desire a more accurate focus, turn the focusing lever and set the index mark at the distance graduation to be used.

When shooting pictures out of doors, set the focus-



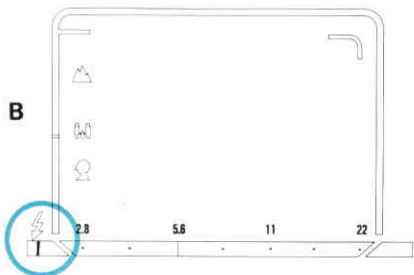
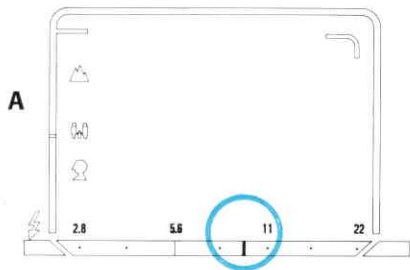
Long Distance
Mark More
than 10 meter



Medium Distance
Mark About
3 meter (Snapshot Mark)



Close Distance Mark
About 1 meter



ing index, beforehand, at the snapshot mark. You will be able to enjoy taking snapshots with no trouble at all. (See page 22)

3. Framing the picture.

The area inside the bright frame is the area recorded on the film. However, parallax error is unavoidable when shooting at a close distance (1 meter or less).

In this case, therefore, compose your picture within the parallax correction marks.

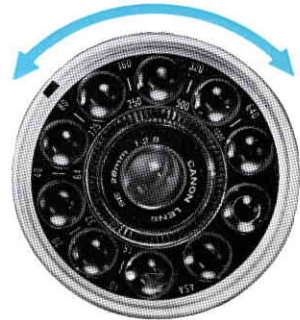
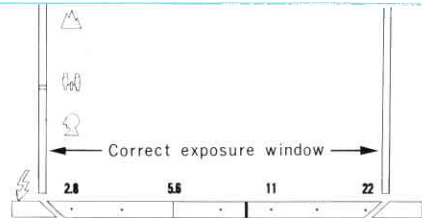
4. Checking the exposure.

- A.** When the meter needle is in the correct exposure indicating window, it means that it is possible to shoot with EE exposure. So, compose your picture and press the shutter button.
- B.** When the meter needle is inside one of the warning marks on both sides, it means that the shutter speed is either too fast or too slow for that subject under that certain light-

ing condition. In such a case, turn the shutter ring in the direction of the arrow and bring the needle into the correct exposure indicating window.

C. When even after the shutter ring is turned all the way . . .

- . . . the meter needle remains inside the flash mark, it means that it is too dark. You must, therefore, switch over to flash photography.
- . . . the meter needle remains inside the over exposure warning mark, it means that it is too bright. In this case, use ND4 or ND8 neutral density filter.
- It is very convenient if the shutter speed is set to the index mark beforehand, such as **250** for very bright, **125** for clear, **60** for cloudy and **30** for indoors or rainy weather.
- The figures above the correct exposure indicating window are aperture stops. The correct exposure can be read by the posi-





tion of the meter needle.

- The shutter button can be pressed even when the meter needle is inside the warning marks.

However, correct exposure cannot be obtained in this case.

Pressing the Shutter Button

The shutter button must be pressed gently in order to obtain a clear unblurred picture.

- After the shutter is released and simultaneously with the return of the shutter button to its former position, the spring motor automatically winds the film by one frame and cocks the shutter for the next shot.
- Do not press the shutter button while the film is being advanced.

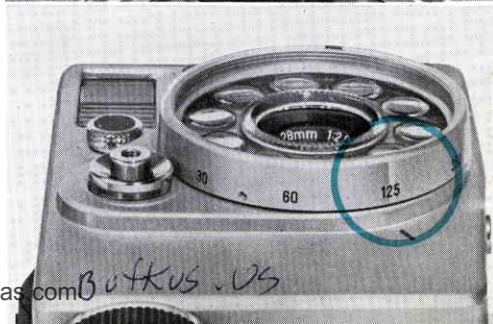
Using the Snapshot Mark

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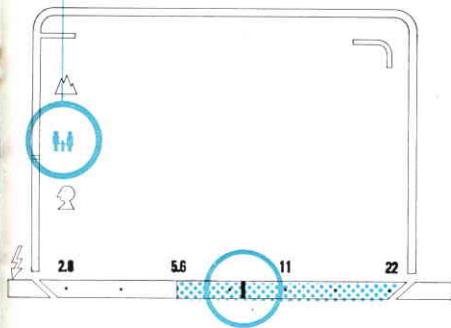
When shooting pictures out of doors, set the focusing needle inside the viewfinder, beforehand at the snapshot mark. You will be able to enjoy taking snapshots very easily.

1 Turn the focusing lever, while looking into the viewfinder, and set the focusing needle at the blue snapshot mark.

2 When taking snapshots out of doors, set the shutter speed at 125.



Adjust the needle to the snapshot mark



Exposure needle in snapshot zone

3 A sharply-focused picture can be obtained without focusing, regardless of the camera-to-subject distance, if the meter needle is inside the blue snap zone. Therefore, press the shutter button.

- The meter needle will almost always be within the snapshot zone under the brightness needed for taking snapshots out of doors. Therefore, it will be convenient to use the snapshot mark.
- In case the needle goes out of the snapshot zone and into the white zone of the correct exposure indicating window, you must focus once again before pressing the shutter button.

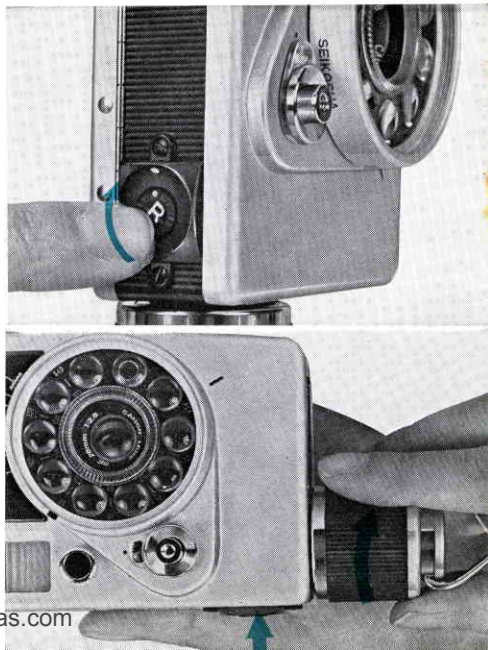
Rewinding the Film

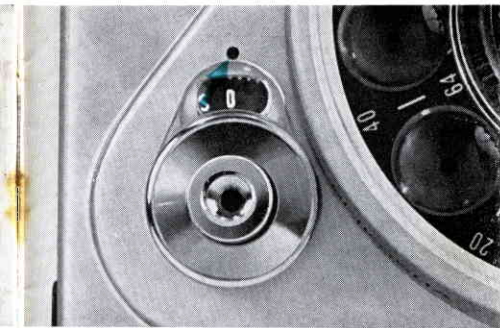
When the last frame of the film is exposed, the shutter button cannot be pressed even if the spring motor is fully wound. Therefore, rewind the film.

1 Push the “R” button (film rewinding button) inwards while turning it clockwise and align the white dot of the “R” button with the white dot on the camera side.

2 The film will be automatically rewound just as much as the spring motor is wound.

- Approximately 20 exposures can be rewound with a fully wound spring motor.





3 Keep pressing the “R” button while the film is being rewound back into the cartridge and also wind the grip until the exposure counter indicates “S”.

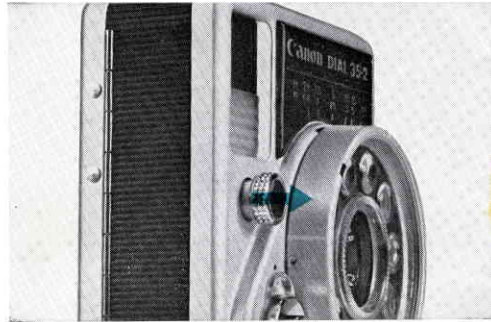
- When the exposure counter indicates “S”, it means that the film has been completely rewound.



4 Open the back cover, by pushing the back cover opening knob in the direction of the arrow, and take out the film cartridge.

Flash Photography

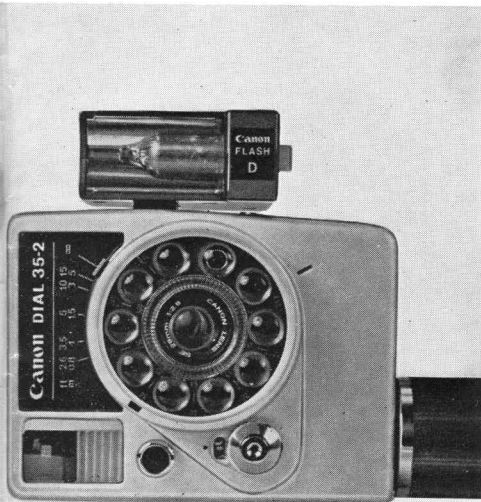
- 1 Release the EE mechanism.
The EE mechanism is released, when the automatic flash button is pulled, and shooting can be performed at any desired aperture stop.
- 2 Set the shutter speed.
Turn the shutter speed ring and set the desired shutter speed at the index mark. (See the following chart)



Flash Synchronizing Range

Shutter Speed	X Speed- light	MF Class	M Class
1/30	○	○	○
1/60	○	○	×
1/125	○	×	×
1/250	○	×	×

○ indicates synchronization
× indicates non-synchronization



3 Attach the flash unit.
Attach the flash unit onto the accessory shoe of the camera and plug the cord into the flash socket.

- The accessory shoe of this camera has a direct connection socket. Therefore, cordless Canon Flash D and Cube Flash D can be used.

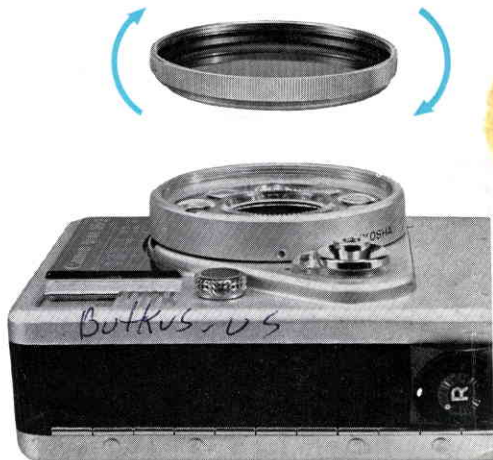
4 Deciding the aperture stop.
The aperture stop is obtained by dividing the flash bulb guide number by the shooting distance.

$$\text{Aperture Stop} = \frac{\text{Flash Bulb Guide Number}}{\text{Shooting Distance}}$$

Next, press the EE-Flash change button and align the aperture stop obtained by the above calculation to the figure inside the viewfinder.

Using Filters

When taking pictures with the EE system and using filters, you need not worry about the exposure factors because the filters for Canon Dial 35-2 cover the lens as well as the CdS meter lenses. 48mm screw-in type filters are used.



Viewfinder eyepiece

Accessory shoe

Direct contact point for flash photography

ASA-DIN conversion table

Shutter speed ring

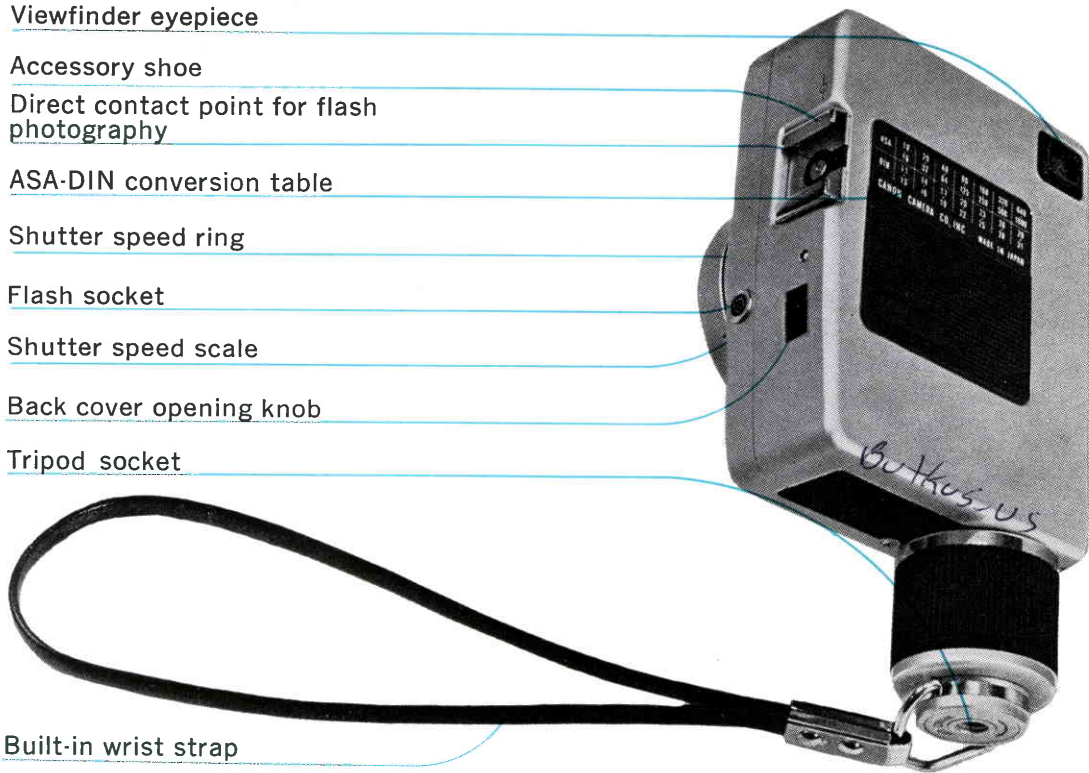
Flash socket

Shutter speed scale

Back cover opening knob

Tripod socket

Built-in wrist strap



ACCESSORIES FOR CANON DIAL 35-2



Flash Unit J-3

Exclusively for baseless bulbs. With built-in convertible socket for AG and PH.

Flash Quint

Five flash bulbs can be flashed continuously. Exclusively for AG type.

Canon Cube Flash

Canon Cube Flash D

Canon Flash D

Selftimer 6

Used by inserting into release hole of shutter release button. Has a time lag of approximately 10 seconds.

Canon Release Adapter

All metal.

48mm Screw-in Type Filters