Only one "donation" needed per manual, not per multiple section of a manual !
The large manuals are split only for easy download size.

Canon EOS A2

Thank you for selecting a Canon EOS camera. This camera is an autofocus SLR camera developed specifically to provide the high performance and flexible functionality required by professional and advanced photographers.

Features
1. Advanced AF sensor provides five focusing points plus high-speed autofocusing on a par with the world's fastest AF SLRs.
2. High-performance shutter offers speeds all the way up to an action-freezing 1/8000 sec and flash synchronization up to 1/200 sec.
3. High-speed built-in motor drive with silent drive mechanism provides quiet film winding and rewinding while achieving a maximum continuous shooting speed of 5 frames/sec.
4. Multi-function built-in zoom flash covers wide-angle focal lengths to 28mm.

Please read these instructions carefully for a thorough understanding before taking pictures.
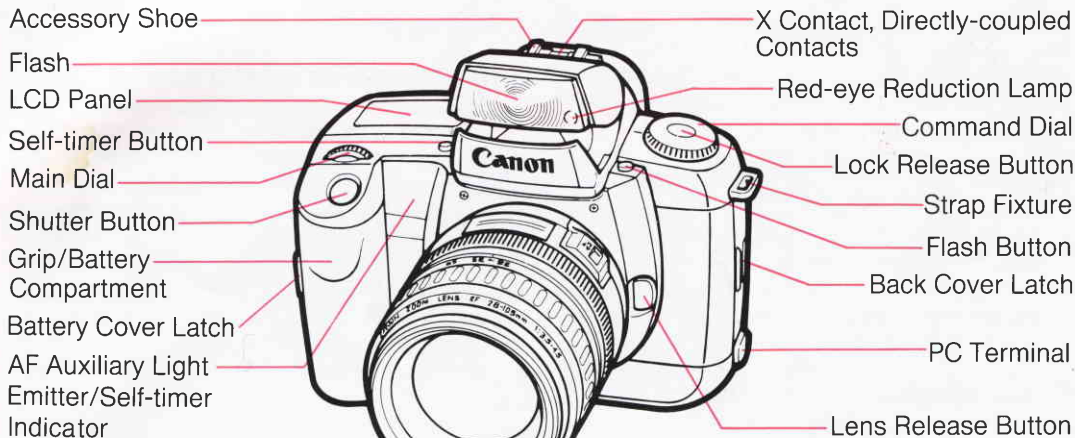
Attention

IMPORTANT INFORMATION
This camera will give optimum performance together with specially designed Canon EF lenses, flash units and other Canon brand accessories. It is possible that the use of incompatible lenses or other accessories may result in unsatisfactory performance or damage to your camera. We therefore suggest the use of Canon EF lenses and accessories. Damage to your Canon camera as a result of malfunction or improper connections caused by the use of incompatible products may void its warranty.

While reading this booklet, unfold the front and back flaps for easy reference to the camera's parts.

Nomenclature

Accessory Shoe

Flash

LCD Panel

Self-timer Button

Main Dial

Shutter Button

Grip/Battery Compartment

Battery Cover Latch

AF Auxiliary Light Emitter/Self-timer Indicator

X Contact, Directly-coupled Contacts

Red-eye Reduction Lamp

Command Dial

Lock Release Button

Strap Fixture

Flash Button

Back Cover Latch

PC Terminal

Lens Release Button

Creative Zone

P : Program AE

Tv : Shutter-priority AE

Av : Aperture-priority AE

M : Manual Exposure

DEP : Depth-of-Field AE

X : Flash Sync Mode

CF : Custom Function Setting

L : Lock
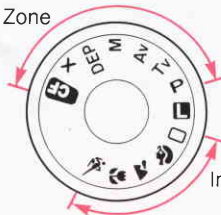
Command Dial

Creative Zone

Image Zone

Image Zone

□ : Full Auto

🕺 : Portrait

🏔 : Landscape

🌷 : Close-up

🏃 : Sports

3

Display Panel

This camera uses a large liquid crystal display panel to display shooting information. The diagram below shows all the information displayed simultaneously for explanation only. The LCD panel never actually appears like this.

- Aperture value
- AEB bracketing amount
- dEP point number
- Custom function setting
- Red-eye reduction function setting
- Beeper mode setting
- Film rewind indicator

- Shutter speed
- ISO film speed value
- dEP (Depth-of-field AE) indicator
- Custom Function No.
- Film rewind indicator

- Battery check indicator

- Frame counter
- No. of preset multiple exposures
- No. of completed multiple exposures

Film winding mode indicator
- Single exposure
- Continuous exposure
- High-speed continuous exposure
- Self-timer operation

- ISO indicator
- Auto exposure bracketing mode indicator
- Red-eye reduction mode indicator
- Multiple exposure mode indicator
- Beeper mode indicator
- Custom function mode indicator

Metering mode indicator
- Evaluative metering
- Spot metering
- Center-weighted average metering

Exposure display
- Exposure compensation amount
- AEB bracketing amount
- Flash exposure compensation amount
- Red-eye reduction lamp operation
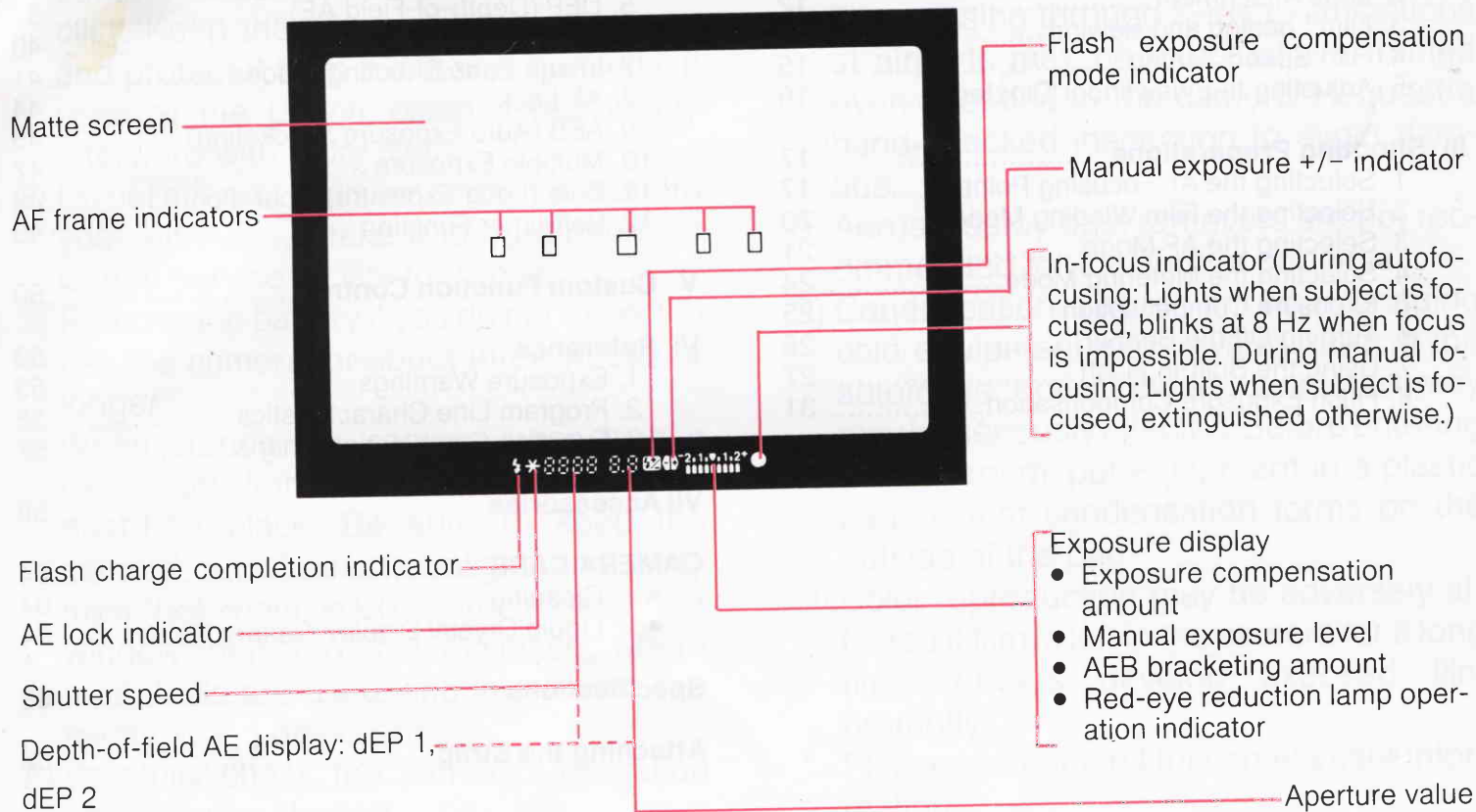- Film rewind indicator

- Film condition indicator
- Film-load check
- Film rewind completion

Manual exposure +/− indicator

- Flash exposure compensation mode indicator

Focus mode indicator
- One-shot AF
- AI Focus AF
- AI Servo AF
- Manual focus (all AF indicators extinguished)

* A minute amount of battery power is used for the display even when the command dial is set to L.

Viewfinder Information

The diagram below shows all the information displayed simultaneously for explanation only. The viewfinder never actually appears like this.

Matte screen

AF frame indicators

Flash exposure compensation mode indicator

Manual exposure +/- indicator

In-focus indicator (During autofocusing: Lights when subject is focused, blinks at 8 Hz when focus is impossible. During manual focusing: Lights when subject is focused, extinguished otherwise.)

Flash charge completion indicator

AE lock indicator

Shutter speed

Depth-of-field AE display: dEP 1, dEP 2

Exposure display
• Exposure compensation amount
• Manual exposure level
• AEB bracketing amount
• Red-eye reduction lamp operation indicator

Aperture value

Table of Contents

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Precautions

1) **This camera is not resistant to water** and should not be used outdoors in snow or rain. If accidentally dropped in water, contact an authorized Canon service facility. Keep the camera out of salt spray and protect it from excessive humidity. If used at the beach, clean it thoroughly afterward with a dry cloth.

2) Do not attempt to disassemble the camera yourself. Always take it to an authorized Canon service facility for repair.

3) Remove the battery if you do not expect to use the camera for about three weeks or longer.

4) When storing the camera, wrap it in a clean, soft cloth and place it in a cool, dry, dust-free place. Be sure to keep the camera out of direct sunlight, and away from "hot spots" such as the trunk or rear window shelf of a car. Avoid places where moth balls are used, and in extreme humidity, use a desiccant.

5) Carefully check the camera's operation after lengthy storage.

6) The battery may explode or cause burns if disassembled, recharged, shorted, exposed to high temperatures, or disposed of in fire.

7) Film passing through X-ray examinations at airports may be exposed and ruined even if loaded in the camera. Request a hand-checked inspection to avoid damage.

8) Aerosol spray dust removers are not recommended for the shutter curtain.

9) Condensation is a problem when bringing cold equipment into a warm room. If the autofocus optics cloud over, accuracy may be seriously affected. Before entering a warm room, put equipment in a plastic bag so that condensation forms on the outside of the bag.

10) Color reproduction may be adversely affected if film is left in the camera for a long time. Always develop exposed film promptly.
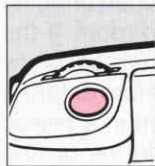
* Please see page 64 for camera care information.

7

Command Dial

Turn to select the shooting mode. Setting the dial to the "L" position locks the dial and turns off the power. To unlock, turn the dial while pressing the lock release button. Unlocking the dial turns on the camera.
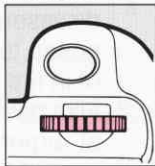
Shutter Button

The shutter button has a two step construction. Press halfway (to the first step) to activate focusing and metering, and press completely (to the second step) to release the shutter and make the exposure.
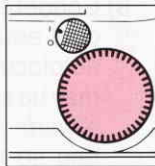
Main Dial

Use in conjunction with other buttons for operations such as selecting the focusing mode, film winding mode, metering mode, or AF frame. Use alone for operations such as setting the shutter speed or shifting the program curve.
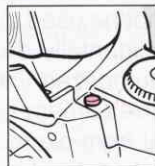
Quick Control Dial

Use for operations such as selecting the aperture value in manual exposure mode and setting exposure compensation in AE or flash modes. Quick control dial operation can be prohibited or enabled using the quick control dial switch. (I=ON)
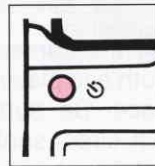
Flash Button

Press once to pop up the flash for flash shooting. In creative zone modes, press again to activate flash exposure compensation mode and operate the main dial or quick control dial to set the compensation amount. When finished using the flash, press it down manually to the retracted position.

Self-timer Button

Press to display the " ⏱ " symbol in the LCD panel and activate the self-timer. To cancel the self-timer, press again.
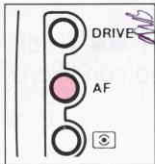
Film Winding Mode Button

Press this button and operate the main dial to select the desired film winding mode (☐ : Single exposure, ⬜ : Continuous exposure, ⬜H : High-speed continuous exposure). The selected mode is displayed in the LCD panel.
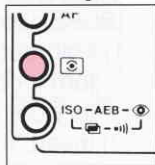
AF Mode Button

Press this button and operate the main dial to select the desired focus mode (One-shot AF, AI Servo AF). The selected mode is displayed in the LCD panel.
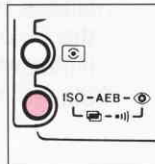
Metering Mode Button

Press this button and operate the main dial to select the desired metering mode (▣ : Evaluative metering, ⬚ : Spot metering, ☐ : Center-weighted average metering). The selected mode is displayed in the LCD panel.

Function Button

Each press switches between AEB setting mode, red-eye reduction mode, multiple exposure mode and ISO film speed setting mode. After selecting the desired mode, operate the main dial to select the desired setting. The selected mode and setting are displayed in the LCD panel.
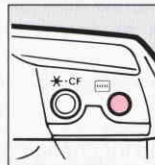
AE Lock/Custom Function Setting Button

Pressing this button locks the current exposure reading and allows recomposition without changing the exposure setting. When the command dial is set to the custom function mode, use this button to set or cancel the selected custom function.

AF Focusing Point Selection Button

Press to enter AF focusing point selection mode. After pressing, operate the main dial to select the desired focusing point.

9
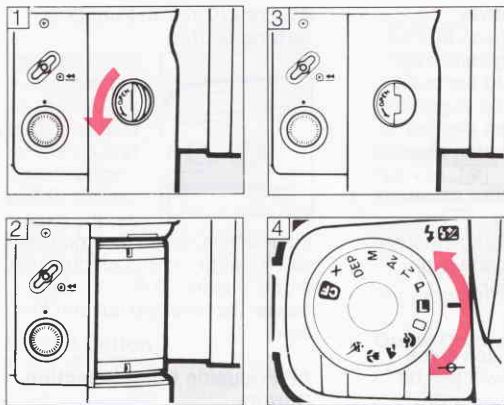
This camera uses a single 6V lithium battery (2CR5). Load the battery as follows.

1) Fold out the battery cover latch tab and turn it counterclockwise to open the battery compartment.

2) Insert the battery so that its terminals enter the camera first.

3) Replace the battery cover and turn the latch clockwise to firmly lock it in place.

4) Press the lock release button and turn the command dial to a position other than "L". Check the battery indicator displayed in the LCD panel.

If the entire battery indicator (▄▄▄) is displayed, the battery is in good condition.

All buttons used for changing camera functions are equipped with a timer function. After pressing and releasing the button, the button's function will remain displayed in the viewfinder and the LCD panel for about six seconds.

The same applies to the shutter button after it is pressed halfway; during the six second period battery power will be expended. The custom function CF13 (see page 52) can be used to cancel the metering timer and thus conserve the battery.

- If nothing at all is displayed in the LCD panel, the battery may be inserted backwards. Remove the battery and reinsert it correctly.
- When not using the camera, set the command dial to **L** to prevent unnecessary battery depletion or accidental shutter release.

Explanation of battery panel display
The ⊏▣ symbol is on: Please have new battery ready.
The ⊏⊐ symbol is on: The battery will shortly run out. Exchange battery with new one as soon as possible.
The ⊰⊏⊐⊱ symbol blinks: Replace the battery. Even if this symbol blinks, photographs will still be correctly exposed if the shutter is released. If the symbol still blinks after the battery has been changed, or if the camera is being used in a cold climate, see page 64.

Ways of Conserving the Battery
- Avoid repeatedly pressing the shutter button halfway and holding the shutter button down halfway for extended periods.
- After pressing the shutter button halfway, please take the photograph as quickly as possible.
- Cancel the metering timer (see page 52).

Battery Life (Number of film rolls)

Temperature	Flash not used	50% flash use	100% flash use
Normal (+20°C/68°F)	50 rolls	23 rolls	15 rolls
Low (−20°C/−4°F)	18 rolls	11 rolls	—

- Data based on Canon's Standard Test Method (Using a new battery and 24 exposure film; Lens: EF 28~105mm f/3.5-4.5 USM; Shutter speed: 1/1000 sec; Lens focus driven from infinity to the closest shooting distance and back before each frame; Film winding mode: High-speed continuous exposure; AF mode: One-shot AF).
- Stated values include camera operation when no film is loaded.
- Even when not taking photographs, if the shutter button is pressed halfway, the battery will run down as long as the shutter speed and aperture values are displayed. If this is done frequently, the battery life indicated above will be affected and the number of rolls of film which can be taken may be reduced.
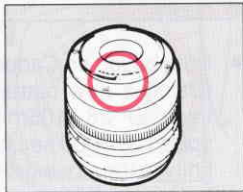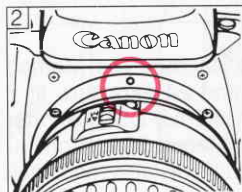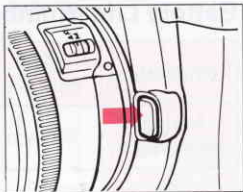
1) Remove the camera body cap.
2) Align the red dots on the lens and camera body, then rotate the lens clockwise until it locks in place with a click.
- To remove the lens, press the lens release button while turning the lens counter-clockwise.

When the lens is removed from the camera, place it face down on a stable surface to prevent damage to the lens surface and electronic contacts.

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3. Film Loading and Rewind
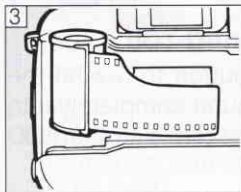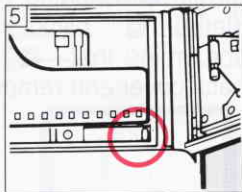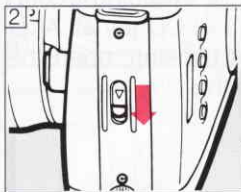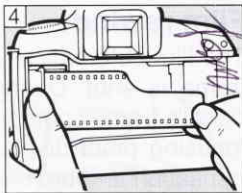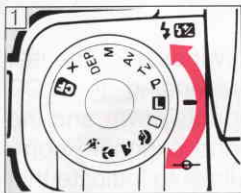
1) Move the command dial to a position other than " ▣ ".
2) Open the back cover by sliding the back cover latch down.
3) Insert the film cartridge with the flat end facing up and the bottom end entering the camera first.
4) While holding down the film cartridge, carefully pull the film tip across until it reaches the orange mark.
5) After checking that the film lies flat and that the tip is aligned with the orange mark, close the back cover.
- The film automatically advances to the first frame, the frame counter shows "1" and the film cartridge symbol (⊚) is displayed in the LCD panel.
- If the film cartridge symbol blinks, the film is not loaded correctly. Reload the film. If the film is not loaded correctly, the shutter will not release when the shutter button is pressed.

The shutter curtain operates with extremely high precision and can be easily damaged if touched. When loading or unloading film, be careful not to touch the shutter curtain accidentally with your finger or the tip of the film.
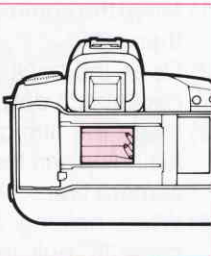
Due to the emission of infrared light by the camera's optical film perforation detector, infrared film cannot be used in this camera.
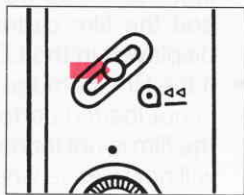
Film rewind

The film automatically rewinds after the last frame is shot. During rewinding, the LCD panel's frame counter counts down, and the focusing point display and exposure compensation amount bars flash to indicate that the film is rewinding. When rewinding is completed, ⓠ blinks in the LCD panel. After confirming that ⓠ is blinking, open the back cover and remove the film.

Rewinding film in mid-roll

Press the film rewind button to rewind the film. After the film is wound completely into the film cartridge, ⓠ blinks in the LCD panel.

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Automatic film speed setting

When DX film is loaded, the film speed is set automatically according to the DX code on the film cartridge.

- The automatic film speed setting range is ISO 25~5000.
- If non-DX film is loaded, the ISO indicator blinks in the LCD panel.
- The currently set film speed can be checked by pressing the function button so that ISO is displayed in the LCD panel.

Manual film speed setting

The film speed can be set manually when using non-DX film or when you wish to set a film speed other than the DX-coded film speed.

1) Set the command dial to a creative zone position.
2) Press the function button until ISO is displayed in the LCD panel.
3) Turn the main dial to the desired film speed.
   * The setting is completed when the shutter button is pressed halfway or after six seconds elapse.

Film speed display

The manual film speed setting range is ISO 6~6400.
6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400

5. Adjusting the Viewfinder Diopter
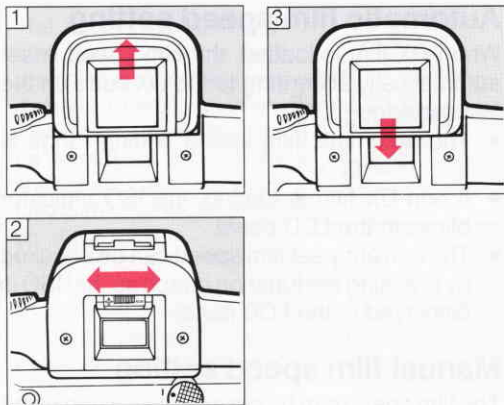
You can adjust the viewfinder diopter to match your eyesight by sliding the viewfinder dioptric adjustment knob. If you are near- or far-sighted, this feature will allow you to see a clear viewfinder image without wearing glasses.

- The diopter adjustment range is −2.75 to +0.75 dpt.

1) Remove the viewfinder eye cup.
2) Look through the viewfinder and slide the dioptric adjustment knob back and forth until the viewfinder image is clear.
3) Replace the eye cup.

- The dioptric adjustment knob has click stops at various setting positions. Set to the position which matches your eyesight.
- For some users, setting the dioptric adjustment knob to the maximum position may not be enough to see the viewfinder image clearly. In such a case, we recommend adding a Diopter Adjustment Lens E (sold separately) to the eyepiece.

The preparations described in this section are available only when the command dial is used in the creative zone.

Creative Zone
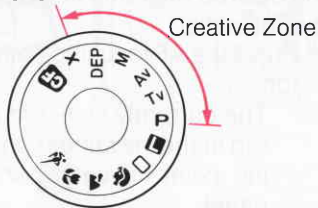
Two methods are available for selecting the necessary AF frame (focusing point) from among the five AF frames in the viewfinder: manual focusing point selection and automatic focusing point selection.
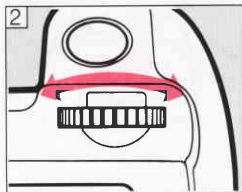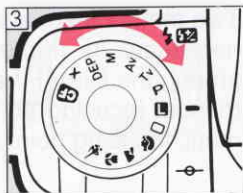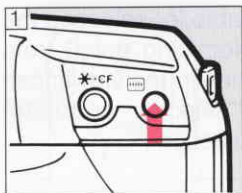
Manual focusing point selection

In the creative zone, you can manually select the desired AF frame in the viewfinder using the main dial.

1) Press the AF focusing point selection button.
  * The currently selected AF frame lights red in the viewfinder and the AF focusing point indicator blinks in the LCD panel.

2) Turn the main dial to select the desired focusing point.
  * The selected AF frame lights red in the viewfinder and the AF focusing point indicator blinks in the LCD panel.
  * The setting is completed when the shutter button is pressed halfway or after six seconds elapse.

3) Turn the command dial to a creative zone setting.
  * The camera focuses using the manually selected AF focusing point.
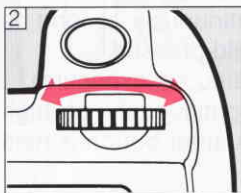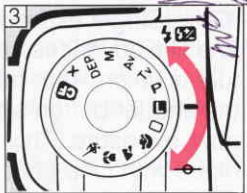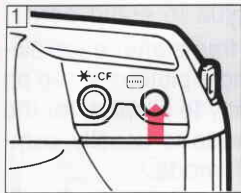
Automatic focusing point selection

The camera automatically selects the AF frame according to the shooting conditions.

1) Press the AF focusing point selection button.
   * The currently selected AF frame lights red in the viewfinder and the AF focusing point indicator blinks in the LCD panel.
2) Turn the main dial to select all five focusing points.
   * All five AF frames light red in the viewfinder and the AF focusing point indicators blink in the LCD panel.
   * The setting is completed when the shutter button is pressed halfway or after six seconds elapse.
3) Turn the command dial to the desired shooting mode and take a picture.
   * The camera automatically selects a focusing point and focuses the subject.

2. Selecting the Film Winding Mode

Three film winding modes are available: single exposure mode, continuous exposure mode and high-speed continuous exposure mode.

- Refer to page 57 for details concerning relationships between AF and film winding modes.

☐ (Single exposure)
The film advances one frame after each picture is taken. After taking a picture, let up on the shutter button slightly to prepare for the next exposure. This mode is usually combined with One-shot AF mode.

⊑ (Continuous exposure)
Pictures are taken continuously as long as the shutter button is held pressed.

⊑н (High-speed continuous exposure)
Pictures are taken continuously at high speed as long as the shutter button is held pressed.
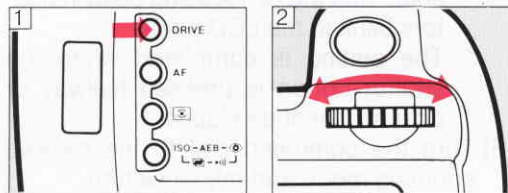
1) Press the film winding mode button.
2) Turn the main dial so the desired film winding mode indicator appears in the LCD panel.
   * The setting is completed when the shutter button is pressed halfway or after six seconds elapse.

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3. Selecting the AF Mode

Three types of autofocusing are available: One-shot AF, AI Servo AF and AI Focus AF. AI Focus AF is active only in Full Auto (☐) mode. Manual focusing is also available.
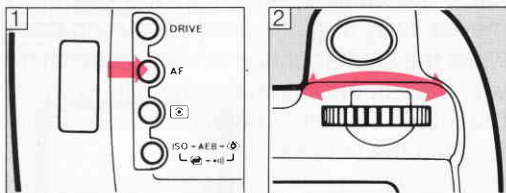
When the subject is focused in One-shot AF mode, the corresponding AF frame lights red in the viewfinder, and the in-focus indicator lights up. At the same time, the shutter speed and aperture value are displayed in the viewfinder and LCD panel.

1) Press the AF mode button. If you release the button, the timer will allow AF mode selection for six seconds.
2) Operate the main dial so the desired AF mode indicator appears in the LCD panel.
   *   Make sure the lens' focus mode switch is set to AF for autofocus shooting.

One-shot AF

Use this mode with stationary subjects. The shutter will not release until the subject is focused. Exposure is determined when the subject is focused. By keeping the shutter button pressed to the halfway position, the focus and exposure settings remain locked, allowing you to recompose the picture as desired.

*   The shutter will not release if the in-focus indicator is still blinking. Try refocusing the subject at a different position or use manual focusing (refer to page 23).

AI Servo AF

Use this mode when taking pictures of moving subjects. The lens focuses the subject continuously with the selected focusing point while the shutter button is pressed halfway. AI Servo's predictive focus function can track subjects moving toward or away from the camera.

Predictive focus function

Predictive focus detects the distance and speed of the subject and then predicts the subject position so that the subject will be sharply focused the instant the exposure occurs. Shutter release has priority over AF operation in creative zone modes, and AF has priority in image zone modes.

When the camera is set for automatic focusing point selection in AI Servo mode, first cover the subject with the center focusing point and press the shutter button halfway to focus the subject. After that, if the subject moves away from the center focusing point while the shutter button is still pressed halfway, the camera automatically shifts to one of the other focusing points and continues tracking the subject.

- Exposure is determined immediately before the shutter is released.
- In AI Servo AF mode, the in-focus indicator does not function.
- Focus lock cannot be used in this mode.

AI Focus AF

This mode is active only when the command dial is set to Full Auto (□) mode. The camera automatically selects One-shot AF or AI Servo AF depending on the subject.
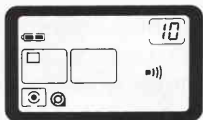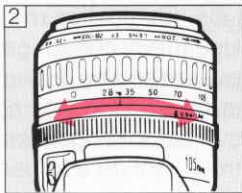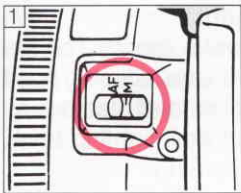
Manual Focusing

1) Set the lens' focus mode switch to M.
   * All AF mode indicators in the LCD panel go out.
2) Turn the lens' manual focusing ring until the subject appears sharp.
   * The in-focus indicator lights to indicate that the subject is in focus.

* After autofocusing is completed in One-shot AF mode when using a USM lens equipped with a distance scale window, the lens can be manually focused directly without switching the lens' focus mode switch.

4. Selecting the Metering Mode

Three metering modes are available: evaluative metering, spot metering and center-weighted average metering.
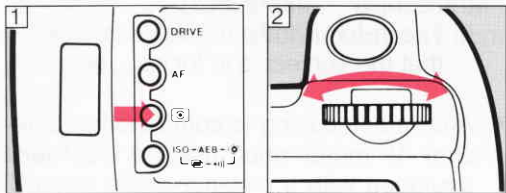
⊙ (Evaluative metering)
Use this mode for general subjects. The exposure setting is based on the focusing point in use, taking into account such factors as subject size, position, overall lighting level, front lighting and back lighting.

• (Spot metering)
This mode limits the metering area to the central part of the viewfinder (approx. 3.5% of the image area). Use this mode when there is a big difference in brightness between the main subject and the background, or for subjects that require precise measurement, such as close-up photography.

☐ (Center-weighted average metering)
Metering is averaged over the entire scene with emphasis placed on the center area.

1) Press the metering mode button.
2) Operate the main dial so the desired metering mode indicator appears in the LCD panel.

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5. Exposure Compensation

When taking pictures in an AE shooting mode, you can use the quick control dial to vary the exposure according to the subject conditions. Exposure can be compensated up to ±2 stops in 1/2-stop increments.
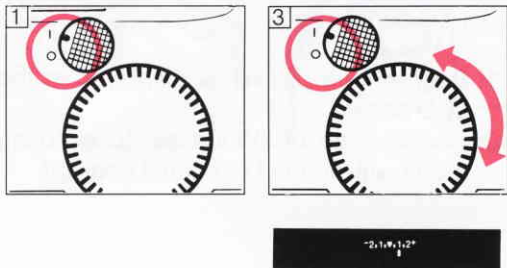
1) Set the quick control dial switch to **I** .
2) Focus the subject and confirm the exposure.
3) Turn the quick control dial to set the desired exposure compensation amount.
   * The compensation amount is displayed in the LCD panel and viewfinder. "+" compensation overexposes the subject and "−" compensation underexposes it.
   * After setting the desired compensation amount, it is a good idea to set the quick control dial switch to **O** to prevent accidental alteration of the setting.
4) Take the picture.
* To cancel exposure compensation, repeat step 3 to return the compensation amount to 0, then set the quick control dial switch to **O**.

6. Turning Off the Beeper
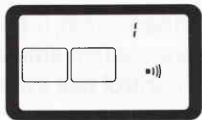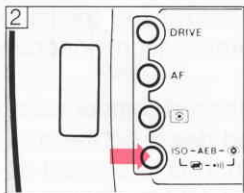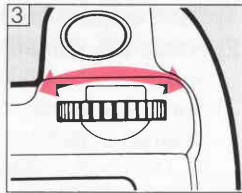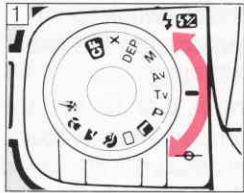
The beeper tone used to indicate self-timer operation in creative zone modes can be turned off and on as follows.

1) Set the command dial to a creative zone mode.
2) Press the function button so that ◼))) appears in the LCD panel.
3) Turn the main dial to select "1" or "0" in the LCD panel.

1: Beeper tone on. ◼))) is displayed in the LCD panel.
0: Beeper tone off. When set to shooting mode, ◼))) on the LCD panel goes off.

7. Using the Built-in Flash

The built-in flash zooms automatically to adjust the flash illumination angle according to the lens focal length (28mm, 50mm or 80mm).
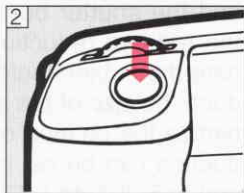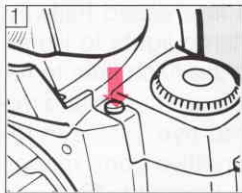
The flash can be used in any mode. It is particularly useful for low-light, backlit, or fill-in flash situations.

1) Press the flash button to pop up the flash.
2) Press the shutter button halfway to confirm that " ⚡ " lights in the viewfinder.
3) Take the picture.
   * To retract the flash, push it down gently by hand.

When the red-eye reduction function is set and the shutter button is pressed halfway, the bar indicators in the LCD panel and viewfinder light up for about 1.5 seconds. When these indicators go out, press the shutter button completely to take the picture.

Light from the built-in flash may be blocked when using the following lenses. When using such a lens we recommend using a dedicated external flash unit.
- Large aperture lenses such as the EF 20~35mm f/2.8L and EF 28~80mm f/2.8-4L.
- Super-telephoto lenses such as the EF 300mm f/2.8L and EF 600mm f/4L.

Red-eye Reduction Function

The subject's eyes may appear red in flash photos due to a phenomenon called "red eye," caused by light reflecting from the retina.

When the red-eye reduction function is set and the shutter button is pressed halfway, the red-eye reduction lamp lights to illuminate the subject before the flash fires to reduce the size of the subject's pupils and minimize the chance of red eye. Red-eye reduction can be set in creative zone modes and in Full Auto (□), Portrait (🐾) and Close-up (♣) image zone modes.

- Although setting is possible, red-eye reduction will not function in Sports (🏃) and Landscape (🏔) modes.

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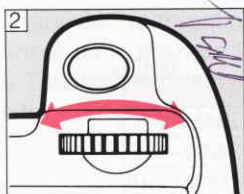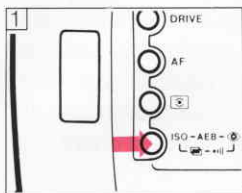
1) Press the function button so that " ⊚ " appears in the LCD panel.
2) Turn the main dial to select "1" or "0" in the LCD panel.
1: Red-eye reduction on. ⊚ is displayed in the LCD panel.
0: Red-eye reduction off. ⊚ is not displayed in the LCD panel.

- A lens hood attached to the lens will block light from the built-in flash. Always remove the lens hood when using the built-in flash.
- The built-in flash and an external flash cannot be used together.
- The built-in flash will not operate when an external flash unit or cover is attached to the accessory shoe.
- If the built-in flash is held down while the flash button is pressed, ⊏⊐ will blink in the LCD panel and the camera will stop operating. This is not a malfunction. Press the shutter button halfway to resume normal operation.

Flash Shooting Distance Range
(using the EF 28~105mm f/3.5-4.5 USM)

(m/ft)

ISO	28mm		80mm	
	Negative film	Slide film	Negative film	Slide film
100	1~5.3/3.3~17.4	1~3.7/3.3~12.1	1~5.3/3.3~17.4	1~3.8/3.3~12.5
400	1.2~10.5/3.9~34.4	1.6~7.4/5.2~24.3	1~10.7/3.3~35.1	1.2~7.6/3.9~24.9

X-sync Shutter Speed and Aperture Settings

Shooting mode	X-sync shutter speed	Aperture value
P (Program AE)	Automatically set to 1/60~1/200 sec according to ambient light level.	Flash aperture automatically set according to TTL program (for built-in flash)
Tv (Shutter-priority AE) M (Manual exposure)	Manually set to any shutter speed of 1/200 sec or slower.*	Automatically set according to ambient light level and shutter speed.
Av (Aperture-priority AE)	Automatically set between 30 sec and 1/200 sec according to ambient light level and set aperture value.	Manually set to desired aperture.
X (Flash sync mode)	Manually set to 1/200, 1/125, 1/90 or 1/60 sec.	Manually set to desired aperture.

* If a shutter speed faster than 1/200 sec is set, the camera automatically sets the shutter speed to 1/200 sec.

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8. Flash Exposure Compensation

This function lets you vary the automatic flash exposure level of the built-in flash and EOS external flash units. The flash exposure can be compensated up to ± 2 stops in 1/2-stop increments.
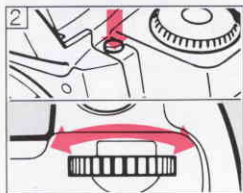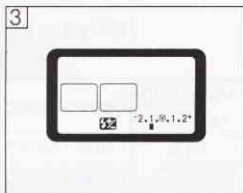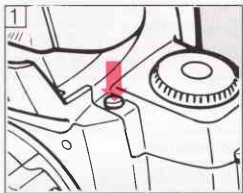
1) Press the flash button to pop up the built-in flash.
2) Press the flash button again and turn the main dial or quick control dial to set the desired compensation amount.
   * To use the quick control dial, set the quick control dial switch to I .
   * ⚡ lights in the LCD panel.
   * The flash exposure compensation amount is displayed in the LCD panel and the viewfinder. "+" indicates over-exposure compensation and " – " indicates underexposure compensation.
3) Press the flash button again to complete the flash exposure compensation setting. The flash exposure compensation amount disappears from the LCD panel and viewfinder and the AE exposure compensation display appears.

- After setting the desired compensation amount, it is a good idea to set the quick control dial switch to O to prevent accidental alteration of the setting.
- To check the flash exposure compensation amount, pop up the flash and press the flash button.
- Flash exposure compensation remains set until manually canceled. To cancel, repeat steps 2 and 3 to reset the flash exposure compensation amount to 0, then set the quick control dial switch to O.
- Flash exposure compensation and AE exposure compensation can be set independently and used together.

Flash Exposure Compensation Priority Chart

When flash exposure compensation (FEC) is set on the camera and/or an EOS external flash unit, the setting priority ranking is as follows.

	FEC set on the camera only	FEC set on the flash only	FEC set on both the camera & flash
Macro Ring Lite ML-3	Camera setting	Not possible	—
160E	Camera setting	Not possible	—
200E	Camera setting	Not possible	—
300EZ	Camera setting	Not possible	—
420EZ	Camera setting	Not possible	—
430EZ	Camera setting	Flash setting	Flash setting

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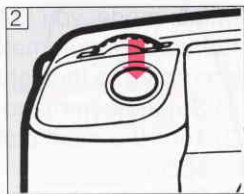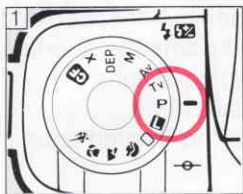
In this mode, the camera automatically sets both the shutter speed and aperture according to the subject brightness.
1) Set the command dial to P.
2) Press the shutter button halfway to focus the subject and confirm the exposure.
3) Press the shutter button completely to take the picture.

Program shift function

When taking pictures in Program AE or Depth-of-Field AE mode, you can "shift the program" to the change the set shutter speed and aperture value combination while maintaining the same exposure.

After pressing the shutter button halfway, turn the main dial until the desired shutter speed/aperture combination is displayed.

- The adjustment clears after one exposure or continuous exposure sequence.
- Program shift cannot be used with the built-in flash or external dedicated flash units.

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In this mode, you set the shutter speed and the camera automatically sets the aperture according to the lighting conditions.

1) Set the command dial to Tv.
2) Turn the main dial to the desired shutter speed.
3) Press the shutter button halfway to focus the subject and confirm the exposure.
4) Press the shutter button completely to take the picture.

Shutter speed display
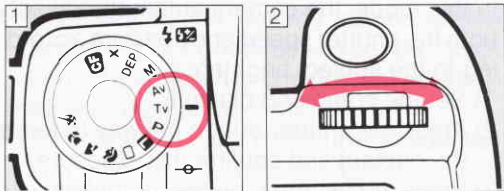The following shutter speeds are available.
8000 6000 4000 3000 2000 1500 1000 750 500 350 250 200 180 125 90 60 45 30 20 15 10 8 6 4 3 2 0"7 1" 1"5 2" 3" 4" 6" 8" 10" 15" 20" 30"

- 200 is available only when using flash.

In this mode, you set the aperture and the camera automatically sets the shutter speed according to the lighting conditions.
1) Set the command dial to Av.
2) Turn the main dial to the desired aperture.
3) Press the shutter button halfway to focus the subject and confirm the exposure.
4) Press the shutter button completely to take the picture.

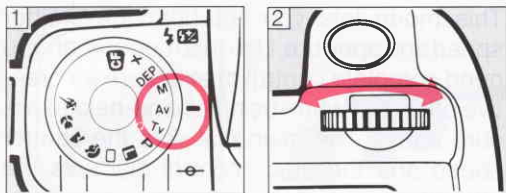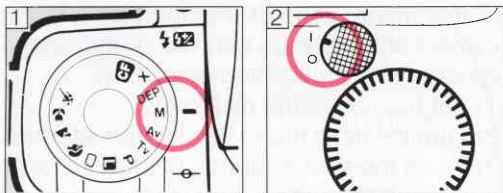**Aperture value display**
The following aperture settings are available.
1.0 1.2 1.4 1.8 2.0 2.5 2.8 3.5 4.0 4.5 5.6 6.7 8.0 9.5 11 13 16 19 22 27 32 38 45 54 64 76 91

- The actual aperture range available differs depending on the lens. If there is no lens attached, 00 appears on the LCD panel and the aperture can not be set.

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· Correct exposure

Use this position as the reference point when determining exposure.

◄►

Overexposure

►

Underexposure

◄

This mode lets you set both the shutter speed and aperture. Use this mode when you need complete control of exposure for creative effects or when using a hand-held exposure meter. The main dial sets the shutter speed and the quick control dial sets the aperture.

1) Set the command dial to M.
2) Set the quick control dial switch to I.
3) Turn the main dial to the desired shutter speed and the quick control dial to the desired aperture.
4) Press the shutter button halfway to focus the subject and determine the correct exposure using the exposure display.
5) Press the shutter button completely to take the picture.

Adjust the exposure according to the exposure level indicator in the viewfinder and LCD panel.

5. DEP (Depth-of-Field AE)
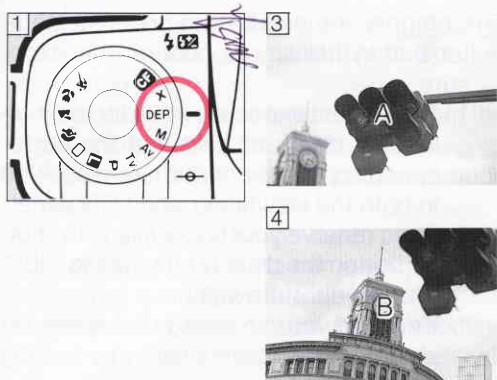
This mode places everything between two freely set points in the foreground and background within the zone of focus.

1) Set the command dial to DEP.
2) Select the desired AF frame using the manual focusing point selection procedure (refer to page 18).
3) Place the AF frame on the nearest point you want in focus (point A), then press the shutter button.
   * When the in-focus indicator and "dEP 1" light up in the viewfinder, remove your finger from the shutter button.
4) Place the AF frame on the farthest point you want in focus (point B), then press the shutter button again.
   * When the in-focus indicator and "dEP 2" light up in the viewfinder, remove your finger from the shutter button.
   * Points A and B can be reversed if desired.

5) Compose the picture and press the shutter button halfway to confirm the exposure.
    * The correct exposure value for the designated depth of field and the corresponding shutter speed are displayed in both the viewfinder and LCD panel.
    * If you remove your finger from the shutter button the display changes to "dEP" and the aperture value.
    * If desired you can change the aperture/shutter speed combination by turning the main dial (refer to page 33).
6) Press the shutter button completely to take the picture.

If the aperture value blinks, the desired depth of field cannot be obtained. Use a wide-angle lens or move farther from the subject and repeat steps 3 through 5.

- To cancel depth-of-field AE in mid-operation, turn the command dial to another position.
- When using a zoom lens, do not zoom the lens after setting the first point.
- For greater depth of field, we recommend using a wide-angle lens.
- For shallow depth of field, place both points A and B on the same subject. This method is effective for blurring the foreground and background when shooting portraits. Use a telephoto lens for best effect.

- Flash cannot be used effectively in depth-of-field AE mode. Use of flash will provide the same result as using flash in Program AE mode.
- If automatic focusing point selection mode is set, the center AF frame is used for focusing.