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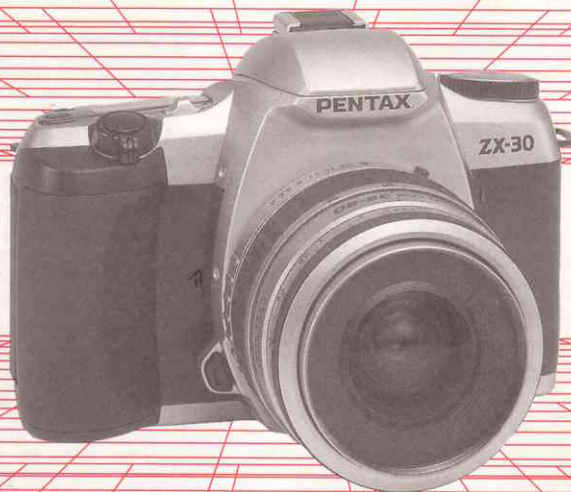
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PENTAX®

ZX-30







OPERATING MANUAL



Congratulations on your purchase of this camera and welcome to the exciting world of Pentax autofocus photography! This compact and light weight camera is an autofocus SLR camera that offers higher levels of sophistication and performance. Incorporating a broad range of advanced technologies and highly accurate automation, this camera will perform superbly for the most exacting photographer.

- **This camera does not operate when the lens aperture ring is set to any position other than the A position or if used with a lens that does not have the A position.**
- Read this instruction manual carefully to get a full explanation of operations before use.
- Illustrations in this operating manual are the data function.

Icon indicators used in this manual

Operation direction	
Automatic operation	
Attention	
Lamp blinking	
Correct	
Incorrect	

Lenses and accessories produced by other manufacturers are not made to our precise specifications and therefore may cause difficulties with, or actual damage to, your Pentax camera. We do not assume any responsibility or liability for difficulties resulting from the use of lenses and accessories made by other manufacturers.

FOR SAFE USE OF YOUR CAMERA

1

Although we have carefully designed this camera for safe operation, please be sure to follow precautions given on this page.

⚠ WARNING This mark indicates precautions that, if not followed, could result in serious injury to the operator.

⚠ CAUTION This mark indicates precautions that, if not followed, could result in minor or medium injury to the operator or damage to the equipment.

⚠ WARNING

- The electronic circuits inside the camera contain high voltage working parts. Never attempt to disassemble the camera yourself.
- Never touch internal parts of the camera if they become exposed from dropping the camera or for some other reason, as there is danger of an electric shock.
- Wrapping the strap around your neck is dangerous. Make sure that small children do not get the strap caught around their neck.
- Do not look directly at the sun through the camera, as viewing the sun for may damage your eyes, and/or parts of the camera (e.g: shutter blades, etc.)
- Be sure to store batteries out of the reach of children. Seek medical assistance immediately if accidentally swallowed.

⚠ CAUTION

- Do not use the flash near anyone's eyes, as it may hurt them. Be particularly careful with the flash around infants.
- Never try to disassemble, short or recharge the battery. Also, do not dispose of the battery in fire, as it may explode.
- Remove the batteries from the camera immediately if they become hot or begin to smoke. Be careful not burn yourself during removal.

PRECAUTIONS FOR YOUR CAMERA

Your Pentax camera is a high-precision mechanism. Handle it with great care.

Precautions when taking pictures

- Do not use the camera where it may come in contact with rain, water, or any other liquid, because the camera is not weather, water, or liquid resistant. Should the camera get wet from rain, splashing water, or any other liquid wipe it off immediately with a dry soft cloth.
- Do not drop the camera or allow it to hit solid objects. If the camera suffers a shock or impact, take it to a Pentax service center for inspection.
- Be careful not to subject the camera to strong vibrations, shock or pressure. Use a cushion to protect the camera when carrying it in a motorcycle, car, boat, etc.
- Condensation on the interior or exterior of the camera may be extremely harmful to the camera mechanism as it may cause rust. Furthermore, if the camera is taken from warm temperature to a sub-freezing one or vice versa, the formation of icelets may cause damage. In such a case, put the camera into a case or plastic bag so that any changes in temperature difference is minimized. Do not remove it from the bag until temperature has stabilized.
- Regular size color prints may cut off what appears on the extreme edges of the film frame. Compose your picture with a margin of safety at the edges.

Precautions for storage

- Avoid leaving the camera for extended periods in places where the humidity and temperature are very high, such as in a car.
- Do not store the camera in a closet with moth balls or in an area where chemicals are handled. Store it in a place with good dry air circulation to prevent the growth of fungus.

Precautions for proper care

- Never touch the shutter curtain or mirror with your finger or any other object.
- Use a blower and lens brush to remove dust accumulated on the lens or viewfinder.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera.
- Electrical problems may often be caused by water, dirt or dust at points of electrical contact. Also check for battery leakage, traces of dirt or grease, or corrosion due to salinity or gas. If you cannot correct the problems, have your camera inspected at a Pentax service center. Repairs of this nature are not covered under the terms of the warranty and charges may be assessed.

Other precautions

- **This camera does not operate when the lens aperture ring is set to any position other than the A position or if used with a lens that does not have the A position.**
- The temperature range at which this camera functions properly is 50°C to -10°C (122°F to 14°F).
- A camera which has been submerged in water usually cannot be repaired. If such an accident should occur, it is advisable to contact a Pentax Service Center immediately.
- To maintain optimum performance, it is recommended that the camera be inspected every one or two years. If the camera has not been used for an extended period, or is being prepared for an important photographic session, it is recommended that you have the camera inspected or test shoot with it.
- Repairs deemed necessary due to usage of this product in an industrial or commercial application may not be covered under the terms of the Pentax warranty.
- The PENTAX warranty provides only for the repair of defects in materials or workmanship. Damage of any kind cannot be repaired at no charge under the terms of the warranty. If the difficulty is caused as a direct result of the product being used in conditions as outlined in the "Precautions for Your Camera" section or any other operation contrary to the instructions outlined in this manual, charges will be assessed and a repair quotation will be provided.

- Use two 3V lithium batteries (CR2 type).
- Misuse of the battery can cause hazards such as leakage, overheating, explosion, etc. The battery should be inserted with the "+" and "-" sides facing correctly.
- Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- If the built-in flash is used continuously, the battery may become warm, but it does not mean that the battery is faulty; it is one of the battery's characteristics.
- Replace the batteries at the same time. Do not mix battery brands, type or an old battery with a new one. It may cause explosion or overheating.

TABLE OF CONTENTS

Safe use of your camera	1
Precautions for your camera	2
Precautions for battery usage.....	3
Table of contents	4
Names of working parts.....	6
LCD panel indication	8
Viewfinder indication	9
• Multi (6) - segment metering	9
Camera functions available with various lenses	10

I. BASIC OPERATION (PREPARATION)11-23

Attaching the camera strap	11
Loading the batteries	12
• Low battery warning	13
Attaching the lens	14
Turning on the power.....	16
Operating the shutter release button.....	16
Using the data back (optional).....	17
Film loading	18
Unloading film.....	21
• Rewinding a film in mid-roll	22

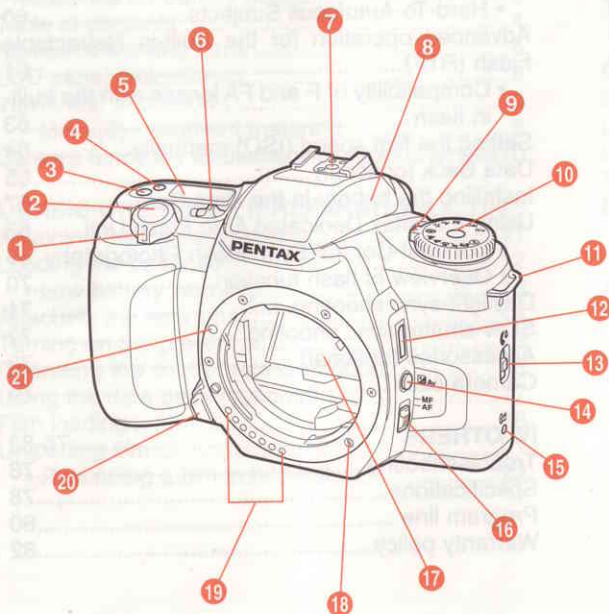
II BASIC OPERATION (SHOOTING)	23-36
Using the Green Operation Mode	24
Using the Smart Flash	25
• Auto pop-up flash function.....	25
• Flash disable function	26
Setting the Single-Frame Drive Mode	27
Selecting the Autofocus Mode	27
Using zoom lenses	28
Holding the Camera.....	29
Taking a picture	30
Selecting the various flash Modes.....	32
• AF illuminator.....	33
• About Red-eye Reduction Flash Function	33
Activate the built-in flash manually	34
Flash recommended information	36

III ADVANCED OPERATION	37-75
Selecting a Drive Mode	37
• Consecutive-Frame Mode	38
• Self-Timer Mode	38
Multi-Exposure Mode	40
Using the Picture Mode	41
• Green Operation Mode	42
• Portrait Program Mode	43
• Landscape Program Mode	44
• Close-up Program Mode	45
• Action Program Mode	46
• Night-scene Program Mode	47
Selecting an Exposure Mode	48
• Using the Aperture-Priority AE Mode	48
• Using the Shutter-Priority AE Mode	50
• Using the Metered Manual Mode	52
• Bulb Exposure Mode	54
About Exposure Compensation	55
Turning off the audible PCV signal	56
Memory lock function	57

Manual focusing	58
• Using the snap-in focus function	59
• Hard-To-Autofocus Subjects	60
Advanced operation for the Built-in Retractable Flash (RTF)	61
• Compatibility of F and FA lenses with the built-in flash	63
Setting the film speed (ISO) manually	64
Data Back (optional)	65
Installing the battery in the Data Back	67
Using a Pentax Dedicated Auto Flash Unit	68
• Contrast-Control-Sync Flash Photography	69
• Overview of flash function	70
Daylight-sync shooting	71
Slow-shutter-sync shooting	72
Accessories (optional)	73
Camera case	75

IV. OTHERS	76-82
Troubleshooting	76
Specifications	78
Program line	80
Warranty policy	82

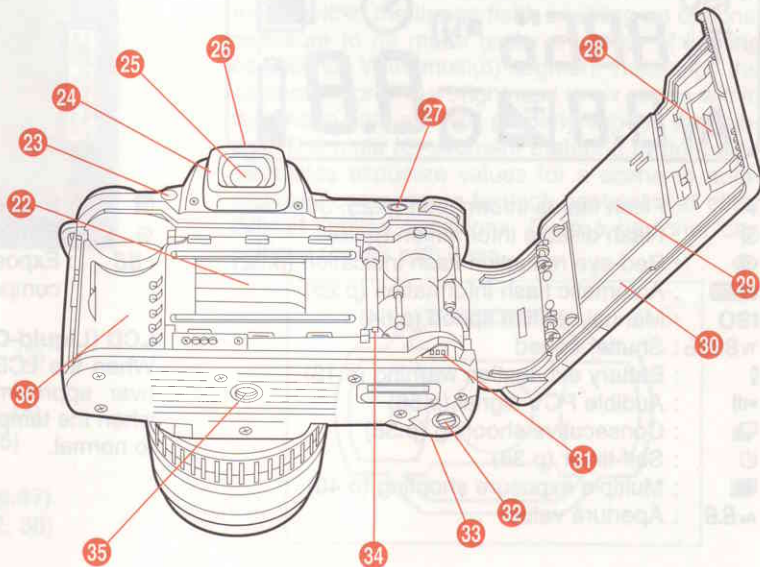
NAMES OF WORKING PARTS I



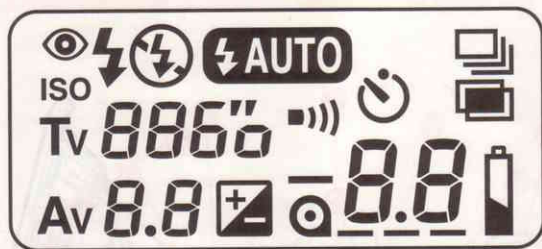
- 1 Select switch
- 2 Shutter release button
- 3 Drive mode button (p.38, 40)
- 4 Flash mode button (p.25)
- 5 LCD panel
- 6 Main switch (p.16)
- 7 Hot shoe
- 8 Built-in flash
- 9 Exposure mode indicator
- 10 Mode dial (p.24, 41, 48)
- 11 Strap lug (p.11)
- 12 Release socket
- 13 Back cover release lever (p.18)
- 14 Exposure compensation button (p.55)
- 15 Mid-roll rewind button (p.22)
- 16 Focus mode switch (p.27, 58)
- 17 Mirror
- 18 AF coupler
- 19 Lens information contacts
- 20 Lens lock button (p.14)
- 21 Lens mount index

NAMES OF WORKING PARTS II

- 22 Shutter curtains (p.18)
- 23 Flash mode button (p.32)
- 24 Eyecup FK (p.39)
- 25 Viewfinder eyepiece
- 26 Diopter adjustment lever (p.23)
- 27 Memory lock button (p.57)
- 28 Film information window
- 29 Pressure plate
- 30 Back cover (p.18)
- 31 Film leader end mark (p.19)
- 32 Battery chamber cover screw (p.12)
- 33 Battery chamber cover (p.12)
- 34 Sprocket (p.19)
- 35 Tripod socket
- 36 DX-information (p.19)



LCD PANEL INDICATION



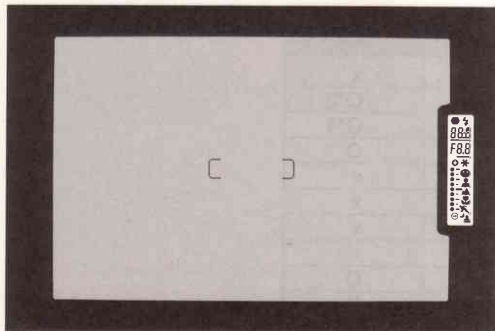
All indications will not actually appear simultaneously as shown.

- : Flash status information (p.25, 36)
- : Flash disable information (p.26)
- : Red-eye reduction flash indication (p.32)
- : Automatic flash information (p.25)
- ISO** : Manual-set film speed (p.64)
- Tv 886** : Shutter speed
- : Battery exhaustion warning (p.13)
- : Audible PCV signal (p.56)
- : Consecutive shooting (p.38)
- : Self-timer (p.38)
- : Multiple exposure shooting (p.40)
- Av 8.8** : Aperture value

- : Exposure compensation (p.55)
- : Film status information (p.20, 21)
- 8.8** : Exposure counter (p.20) and exposure compensation value (p.55)

LCD (Liquid-Crystal Display)

When the LCD is exposed to high temperatures over approximately 60°C, it may blacken, but when the temperature normalizes, it should return to normal.



[C]: Autofocus (AF) frame (p.30)

88.5 : Shutter speed

F8.8 : Aperture value

☺ : Green Operation Mode (p.24, 42)

👤 : Portrait Program Mode (p.43)

🏔️ : Landscape Program Mode (p.44)

🌸 : Close-up Program Mode (p.45)

🏃 : Action Program Mode (p.46)

🌃 : Night-scene Program Mode (p.47)

⚡ : Flash status information (p.32, 36)

🔍 : In-Focus indicator (p.59)

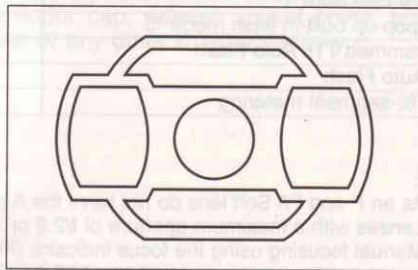
* : Memory lock function (p.57)



: Bar graph (p.53, 55)

MULTI (6)-SEGMENT METERING

This camera incorporates six-segment TTL metering system. Light values are measured in six segments within the image field, enabling an optional exposure to be made under a variety of lighting conditions. With multi(6)-segment metering, the camera records the brightness in six zones within the image field and will properly expose the subject. The multi (6)-segment metering system also calculates exposure values for a scene to automatically compensate for high-contrast and other difficult lighting conditions. Even a beginner can achieve results with ease.

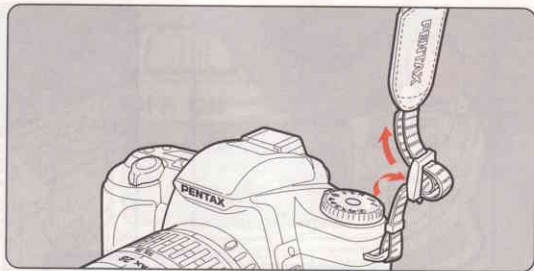


Function	Lens [Mount type]	FA lens [K _{AF2}]*1	F lens [K _{AF}]*1	A lens [K _A]
Autofocus (Lens only)		O	O	x
(Lens with AF Adapter 1.7X)		-	-	O*2
Manual focus (with FI) *3		O*4	O*4	O*4
(with Matte field)		O	O	O
Power zoom		x	x	x
Image size tracking		x	x	x
Zoom clip		x	x	x
Auto zoom effect		x	x	x
Picture Mode		O	O	O
Aperture-Priority AE		O	O	O
Shutter-Priority AE		O	O	O
Manual Exposure		O	O	O
Auto pop-up built-in flash mode *5		O	O	O
Programmed TTL Auto Flash		O	O	O
TTL Auto Flash		O	O	O
Multi(6)-segment metering		O	O	O

Notes:

- *1. As an F and FA Soft lens do not have the A position on the aperture ring, the shutter cannot be released.
- *2. Lenses with a maximum aperture of f/2.8 or larger. (See AF Adapter operating manual.)
- *3. Manual focusing using the focus indicator (FI) (●) in the viewfinder.
- *4. Lenses with a maximum aperture of f/5.6 or larger.
- *5. Picture Mode only.

- K_{AF2} and K_{AF} mount lenses are designed to work with the Autofocus SLR camera.
- The A, F, and FA lenses have the "A" (auto) position on the lens aperture ring.

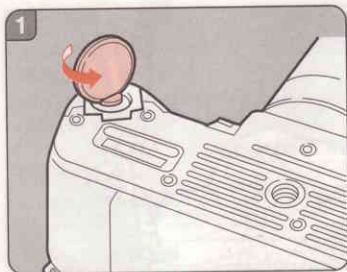


Fit the strap on the camera as illustrated.

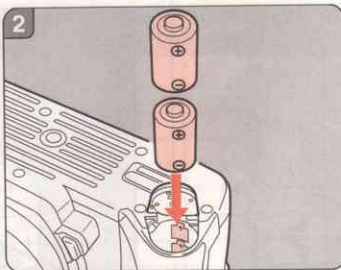
- There is a pocket on the strap so you can store the finder cap, release socket cover, hot shoe cover or any other small accessory.

I. BASIC OPERATION (PREPARATION)

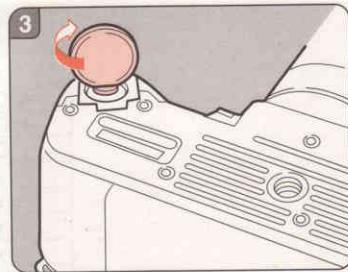
LOADING THE BATTERIES



1. Open the battery chamber cover by using a coin, etc. as shown in the illustration.



2. Load two 3V lithium batteries (CR2) or equivalent as shown in the illustration.



3. Turn the battery chamber cover screw in the direction of the arrow to lock it securely.

- When the batteries are replaced, the camera settings such as the audible PCV signal switching, exposure compensation value, red-eye reduction flash function, self-timer, and auto pop-up flash function of the built-in flash will be re-set.
- The optional "AA-Battery Pack FG" is also available for this camera instead of using the lithium batteries.
- Replace two batteries at the same time. Do not mix battery brands, type or an old battery with a new one.

Battery Life (using 24-exposure film rolls at 20°C/68°F)

General existing light photography	about 120 rolls
Flash photography (using flash 50% of the times)	about 20 rolls
Flash photography (using flash 100% of the times)	about 12 rolls
Bulb exposure time	about 8 hours


Battery Life (using 24-exposure film rolls at -10°C/14°F)


General existing light photography	about 30 rolls
Flash photography (using flash 50% of the times)	about 15 rolls
Flash photography (using flash 100% of the times)	about 5 rolls
Bulb exposure time	about 2 hours

CR2 batteries were used under Pentax testing conditions. Actual battery life and performance may vary drastically depending on usage of auto-focus, built-in flash and external conditions such as temperature and freshness of the battery.

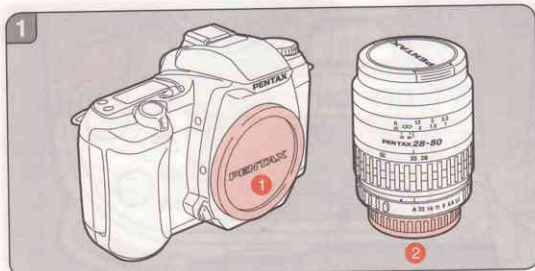


* Low Battery Warning

When the batteries are nearly exhausted, the battery symbol [] appears on the LCD panel to warn you. Replace the batteries as soon as possible.

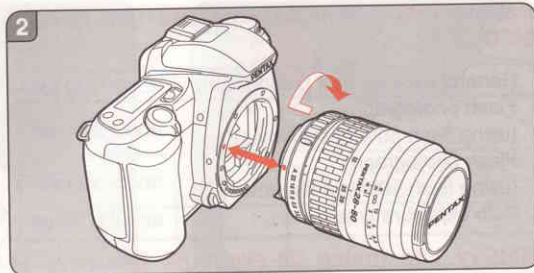
- Even if the low-battery symbol appears, exposure will be correct as long as the shutter can be released. It is recommended to replace the batteries as soon as possible.
- When the low battery warning [] starts blinking, the shutter cannot be released and all indicators in the viewfinder disappear.

ATTACHING THE LENS



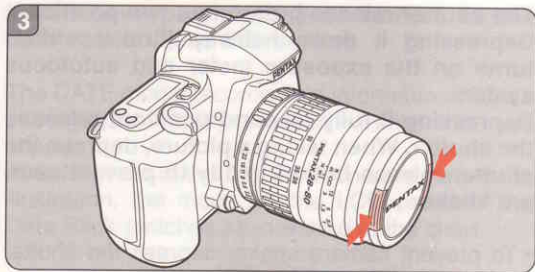
1. Remove the body mount cap **1** and rear lens cap **2** as shown in the illustration.

- The body mount cap is designed to protect the camera against scratches and dust at the factory. For storage, the optional accessory "Body Mount Cap K" is available.



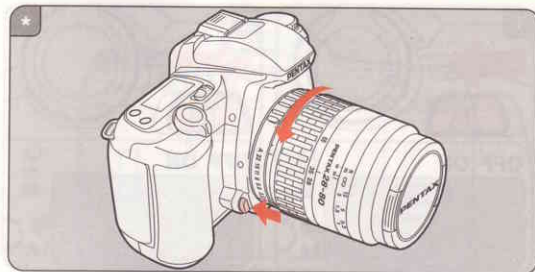
2. Align the red dots on the camera and lens mount, attach the lens to the camera body, and turn it fully to the right until you hear a click.

- Ensure that the camera's main switch is in the [OFF] position before attaching the lens to prevent unexpected operation of the lens.



3. To remove the front lens cap, squeeze the tabs on both sides in the direction of the arrow.

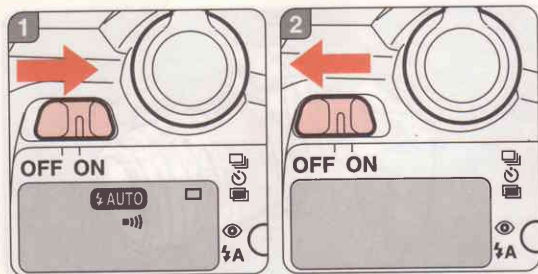
- We assume no responsibility nor liability for damages resulting from the use of lenses made by other manufacturers.
- The camera body and lens mount incorporate lens information contacts and an AF coupler. Dirt, dust, or corrosion may cause damage to the electrical system. Clean the contacts with a soft, dry cloth.



* How to remove

To remove the lens, turn it to the left while depressing the lens-lock-release button.

- To protect the lens information contacts and AF coupler of the lens against damage after removal, be sure to set the lens down with the mount side facing upward.



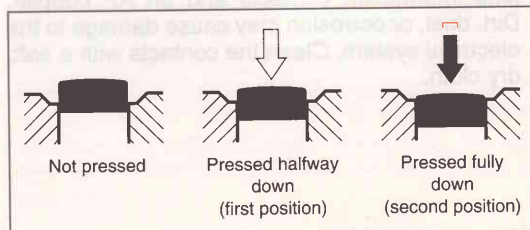
1. The power is turned **ON** when the main switch is set to **ON**.
 2. The power is turned **OFF** when the main switch is set to **OFF**.
- When not in use, ensure that the main switch is set to **OFF**.

OPERATING THE SHUTTER RELEASE BUTTON

The shutter release button has two positions. Depressing it down halfway (first position) turns on the exposure meter and autofocus system.

Depressing it fully (second position) releases the shutter. When taking a picture, depress the shutter release button gently to prevent camera shake.

- To prevent camera shake, depress the shutter release button gently.
- Before loading a roll of film, slowly depress the shutter release button to learn where the first position is.
- The LCD indication stays on for about 10 seconds after the button is released from the halfway position. Depressing the shutter release button down halfway keeps the LCD indicator on.

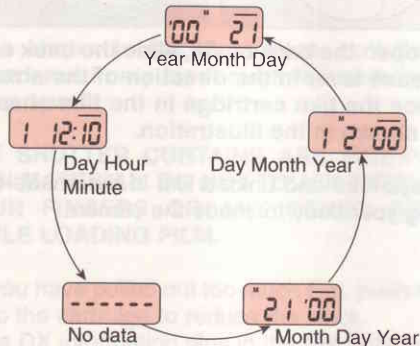


THE DATA BACK (optional)

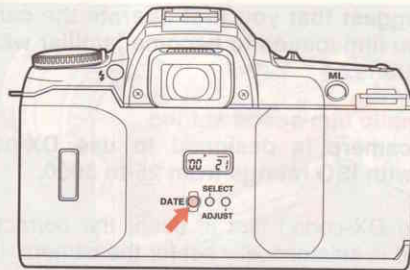
If you have purchased your camera as the Date version, read this section.

The DATE model records data information on your photographs clearly on each frame that you expose.

At each press of the DATE button as shown in the illustration, the mode on the LCD panel of the Data Back switches as indicated in the chart.



- [M] on the LCD indicates "Month".
- Year 2000 will imprint [00] on pictures.
- As shutter is released, the bar mark [-] in the display blinks for a few seconds that the data has been imprinted.



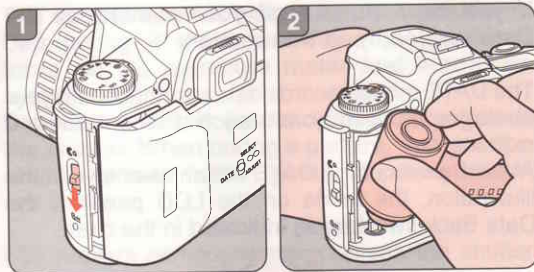
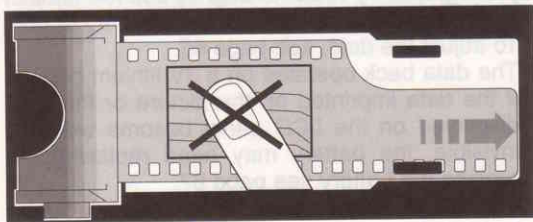
- [— — —] indicates that no data will be imprinted.
- If there is a white or yellow object in the corner of the picture where the data is imprinting, the data may be difficult to read. When composing your photograph, try to avoid brightly-colored subject in that corner.
- To adjust the data, see page 65.
- The data back operates on a 3V lithium battery. If the data imprinted on the picture or the data displayed on the LCD panel become weak or invisible, the battery may need replacing. To replace the battery see page 67.
- In the Multi-Exposure Mode, the data will not be imprinted.

We suggest that you first operate the camera with no film loaded to become familiar with its operations.

Automatic film speed setting

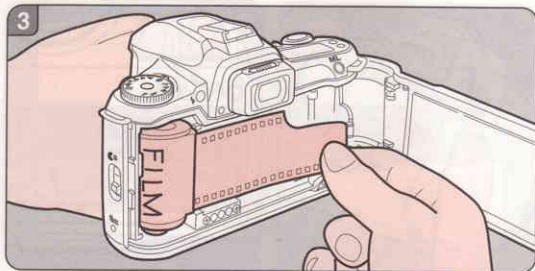
This camera is designed to use DX-coded films with ISO ratings from 25 to 5000.

- When DX-coded film is used, the correct film speed is automatically set for the camera. If you use a non-DX coded film, you can set the film speed manually. See page 64.
- Before loading film for the first time after purchase, open the back cover and remove the protective card. **DO NOT TOUCH THE SHUTTER CURTAINS.**



1. To open the back cover, slide the back cover release lever in the direction of the arrow.
2. Place the film cartridge in the film chamber as shown in the illustration.

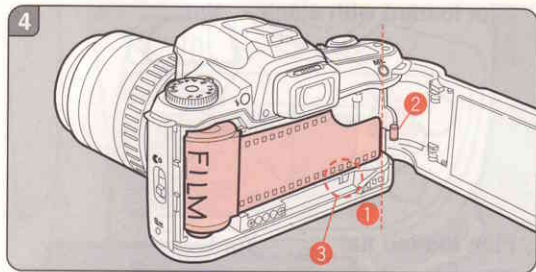
- Always load and unload film in the shade or by using your body to shade the camera.



3. As shown in the illustration, pull the film leader out only far enough to reach the take-up spool.

THE SHUTTER CURTAINS ARE FINE-PRECISION MATERIAL. DO NOT TOUCH THEM WITH YOUR FINGERS OR ANY OTHER OBJECT WHILE LOADING FILM.

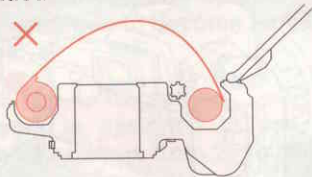
- If you have pulled out too much film, push it back into the cartridge to reduce the slack.
- The DX information pins in the film chamber are used to read film speed. Keep them clean and free from scratches. To remove smudges, wipe them gently with a soft, dry cloth.



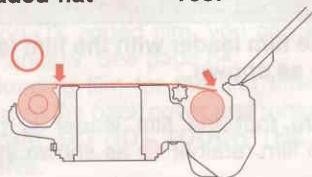
4. Align the film leader with the film leader end mark ① as shown.

- Make sure that the film leader is positioned under the film retainer ② as shown in the illustration.
- Make sure that the film perforations properly engage on the sprocket tooth ③.
- If the end of the film leader is extremely bent, straighten it or cut off the bent portion.

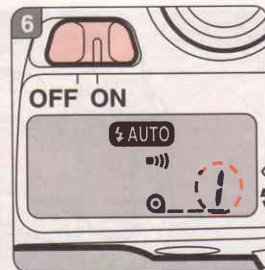
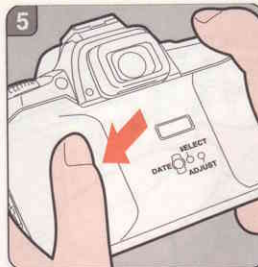
Film loaded with slack No!



Film loaded flat Yes!



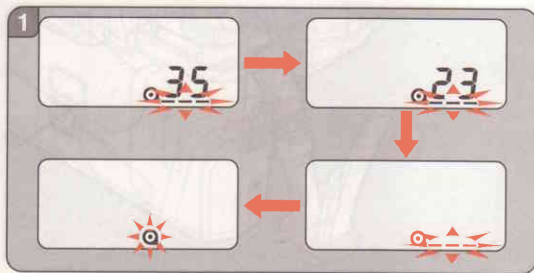
- If the film is not loaded properly, [E] on the LCD panel blinks, indicating that the film is not loaded properly. Open the back cover and load the film once again.



5. Close the back cover and set the main switch to ON.

6. The film automatically advances to the first frame.

- Check that [] and [] are displayed on the LCD panel.
- The film counter indication advances one each time the shutter is released.

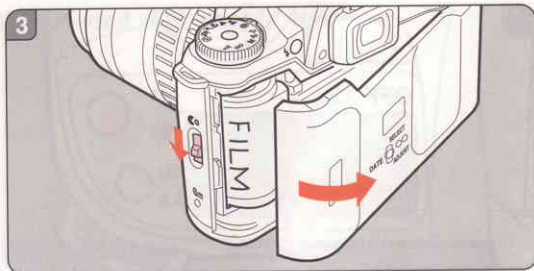


1. The film automatically rewinds at the end of the roll.


- During rewinding, [—] blinks on the LCD panel, indicating that the film is being rewound, the exposure counter counts frame numbers in reverse.
- Never open the back cover until the whole film roll is completely rewound.
- When removing the film from the camera, protect it from exposure to direct sun light.

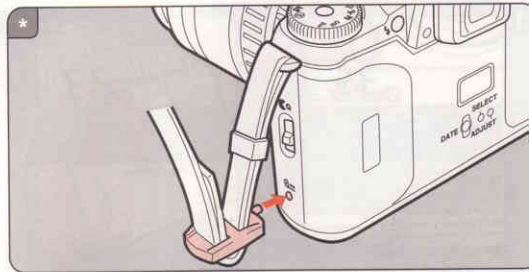


2. When the film is fully rewound, only [Q] blinks on the LCD panel.



3. Open the back cover and remove the film.


- A roll of 24-exposure film takes about 13 seconds to rewind.
- Before opening the back cover, check that [] is blinking.
- The shutter may be released a frame or more after the specified number of frames have been used as indicated on the film cartridge. However, those extra frames may be lost in processing. When you take important pictures, rewind the film when the film reaches the number of frames indicated on the film cartridge.

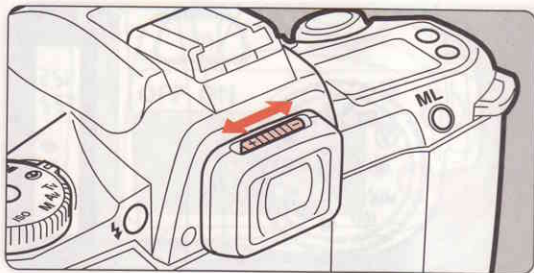


* Rewinding a film in mid-roll

If you wish to unload the film before exposing all the frames, use this function.

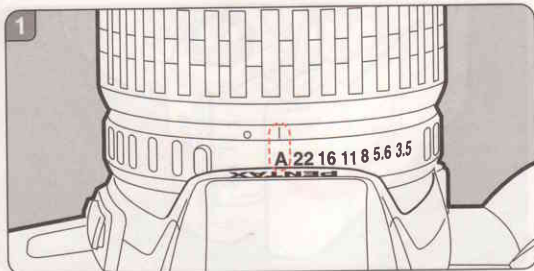
Set the main switch to the ON position, and then depress the mid-roll rewind button by using the protruding part of the strap clamp.

- Do not depress the button with an object having a sharp tip.
- Before opening the back cover, check that [] is blinking.



Aim the camera at a bright subject. While looking through the viewfinder, move the diopter adjustment lever to the left or right until the autofocus frame [C] appears in the sharpest focus.

II. BASIC OPERATION (SHOOTING)



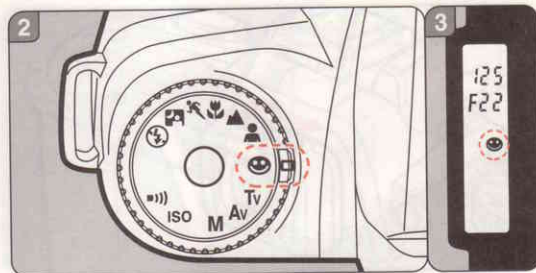
Green Operation Mode

For easy picture taking, use the Green Operation Mode. You simply depress the shutter release button. The camera selects the best combination of aperture and shutter speed setting.

How to set:

1. Set the lens aperture ring to the [A] position.
2. Set the mode dial to [☺].

- To set the lens aperture ring to the [A] position, turn the aperture ring while holding down the aperture-A lock button on the lens. **The lens aperture ring must remain set at the [A] position for the camera to function.**

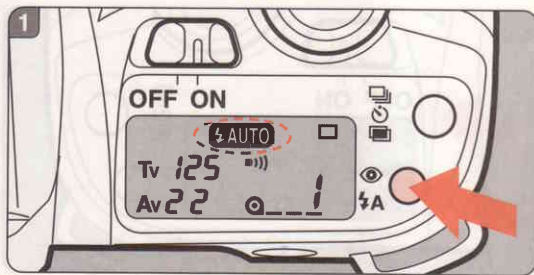


3. When the shutter release button is depressed halfway, [☺] will be displayed in the viewfinder.

- The shutter speed and aperture setting are also displayed on the LCD panel.
- The shutter cannot be released when the lens aperture ring is set other than the A position.
- See page 43 to 47 for any other exposure mode.

USING SMART FLASH MODE

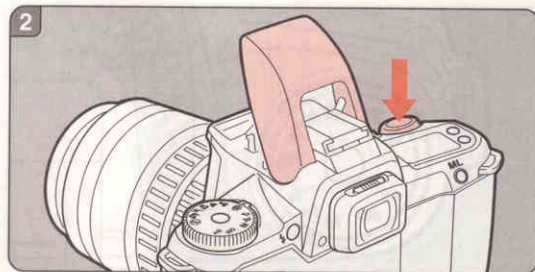
25



Auto pop-up flash function

The auto pop-up flash function operates only with the mode dial is set to [☺], [人], [▲], [👉], [👎], or [👉].

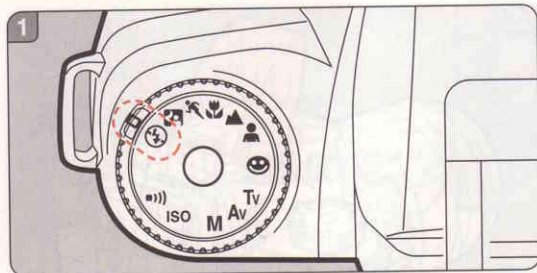
1. Depress the flash mode button until [⚡ AUTO] appears on the LCD panel.



2. The built-in flash automatically pops up when depressing the shutter release button halfway down in the following conditions.

1. low light situation
2. backlit situation

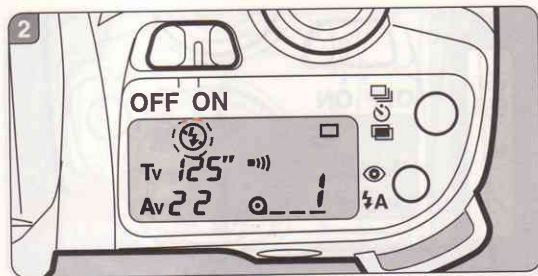
- The Built-in flash does not retract automatically.
- The built-in flash does not discharge when not required even though it has been in the up position. See page 32 for more details.
- When the built-in flash is used, using a lens hood is NOT recommended as it may obstruct the path of the light coming from the flash, causing vignetting in the picture corners.



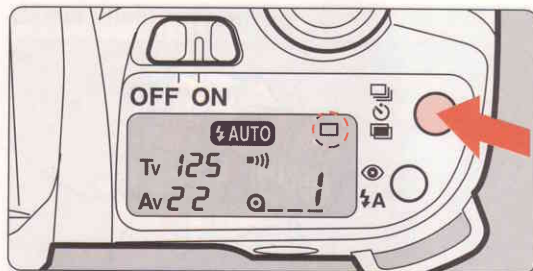
Flash Disable Mode

Use this mode if you don't want the built-in flash to pop-up automatically. The flash will not pop up automatically even when it is dark nor lights when the flash is required.

1. Set the mode dial to [⊕].
2. [⊕] appears on the LCD panel.

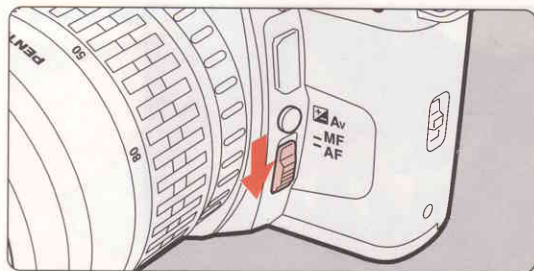


- The flash does not discharge even if the built-in flash is in the up position. The flash disable mode is the same exposure mode as the Green Operation Mode except that the built-in flash does not pop up.
- In the flash disable mode, the external flash will not discharge either.



Depress the drive button until [] appears on the LCD panel.

- One picture is taken each time the shutter release button is depressed.
- See page 37 for other available function.



For autofocus operation, set the focus mode switch to [AF]. When you depress the shutter release button halfway down, the lens automatically focuses.

Set the focus mode switch to [AF].

- See page 58 for manual focusing.