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PENTAX®

PC35AF-M SE

PC35AF-M SE



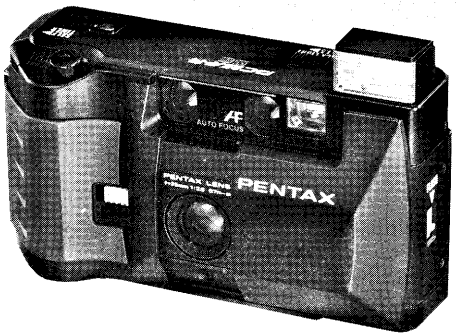
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Thank you very much for choosing the Pentax PC35AF-M SE.

As you already know, this high-precision, high-performance 35mm compact camera offers you the convenience of auto focusing, auto exposure, auto film loading, auto film winding/rewinding and auto film speed setting. It also features a built-in auto flash that enables you to take beautiful pictures in dim light.

Please read this operating manual carefully through and familiarize yourself with the camera so that you can fully enjoy long-lasting, reliable service it offers.



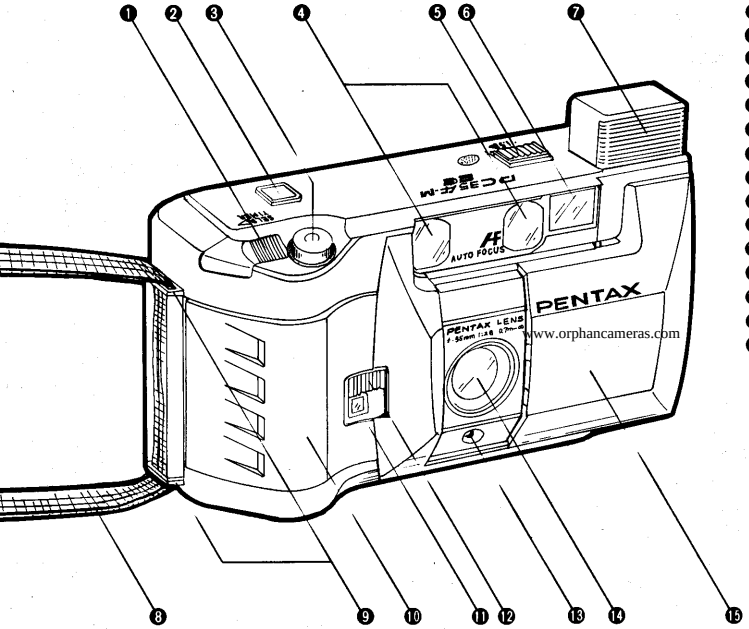
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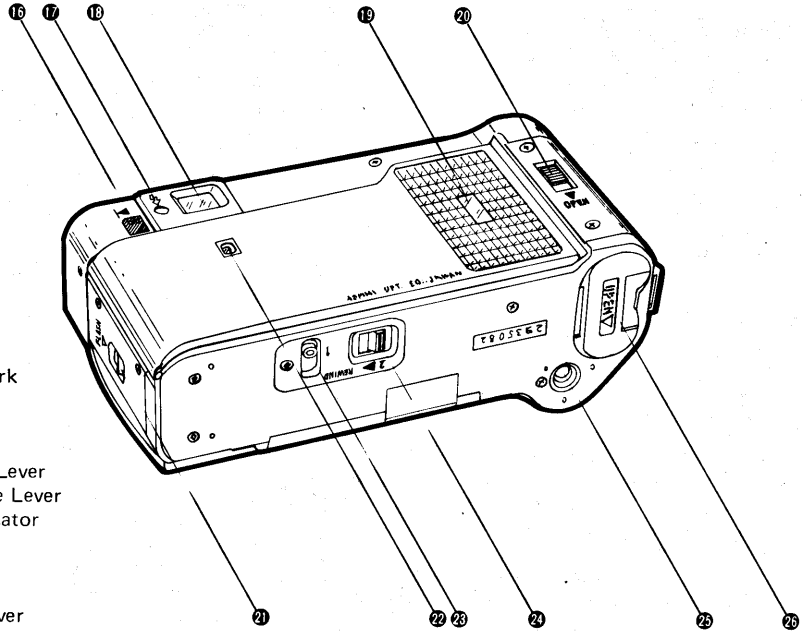
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DESCRIPTION OF CONTROLS



❶ Self-timer Lever
❷ Exposure Counter
❸ Shutter Release Button
❹ Auto Focus Windows
❺ Exposure Compensation Lever
❻ Viewfinder Eyepiece
❼ Flash Head
❽ Strap
❾ Strap Lugs
❿ Grip
⓫ Self-timer Lamp
⓬ Lens Protector Release Lever
⓭ Light Sensor
⓮ Taking Lens
⓯ Lens Protector

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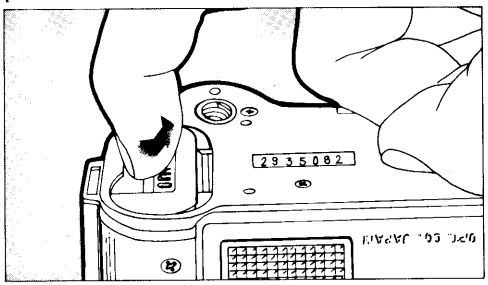


⑯ Film Leader End Mark
⑰ Flash Ready Lamp
⑱ Viewfinder Eyepiece
⑲ Film Type Indicator
⑳ Back Cover Release Lever
㉑ Flash Pop-up Release Lever
㉒ Film Transport Indicator
㉓ Film Rewind Button
㉔ Film Rewind Lever
㉕ Tripod Screw Socket
㉖ Battery Chamber Cover

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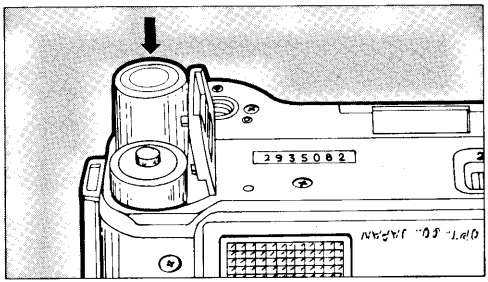
INSERTING BATTERIES

1



1. Open the battery chamber cover by sliding it in the direction of the arrow.

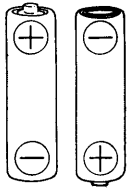
2



2. Place two AA-size alkaline batteries in the chamber, with the (+) or (-) side facing correctly as indicated inside the chamber.

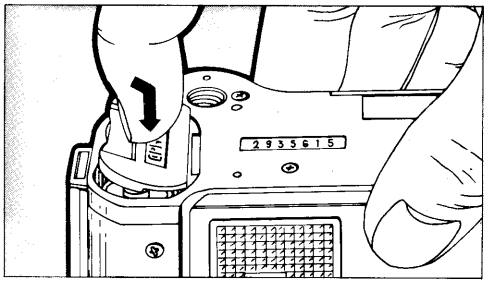
At normal temperatures, the alkaline battery should last about a year with general photography without using flash, but in extremely cold temperatures, will greatly lose its power.
The manganese battery can also be used with this camera, but it is far less powerful.

This camera does not operate without batteries in it. Use two 1.5V AA penlight batteries. Use of alkaline batteries (LR-6) is recommended, rather than manganese batteries which have less power. DO NOT use Ni-Cd batteries.



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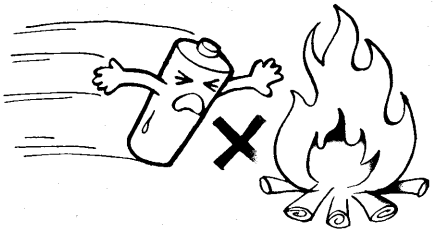
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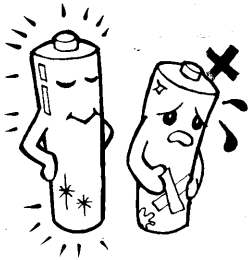


3. Close the cover by pushing it in the direction of the arrow.

Batteries

- If the batteries are incorrectly placed in the chamber, the camera will never function.
the chamber.
- When replacing, be sure to use two fresh batteries of the same brand and type.
- If the batteries are not used for a long time, remove them from the camera. Leaving them in the camera may cause acid leakage and possible damage to the camera mechanism.
- Never break up, recharge or throw used batteries into fire as they may explode.



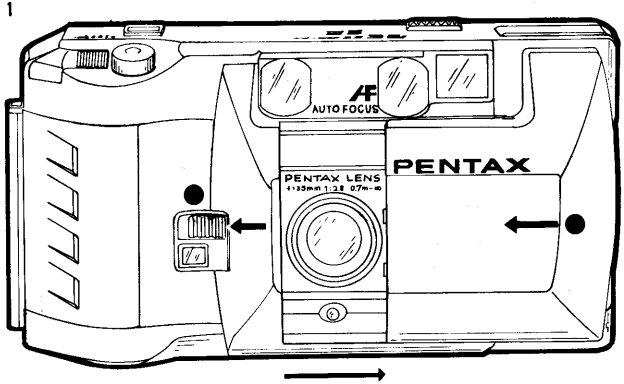




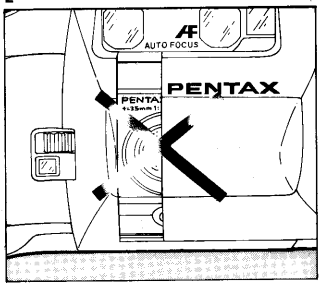
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OPENING/CLOSING LENS PROTECTOR

1



2



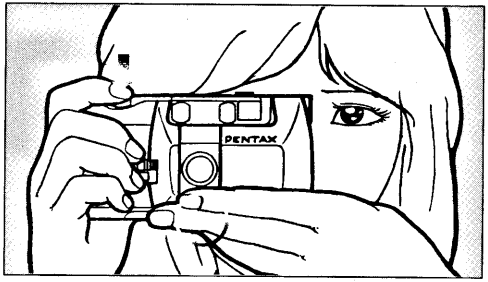
1. Open the Lens Protector by sliding the Release Lever ❶ in the direction of the arrow.
2. To close, just push the Lens Protector ❷ back, locking it in its original position.

• When the Lens Protector is closed, or even when it is slightly pushed back, a safety device locks the Shutter Release Button to prevent the accidental shutter release.

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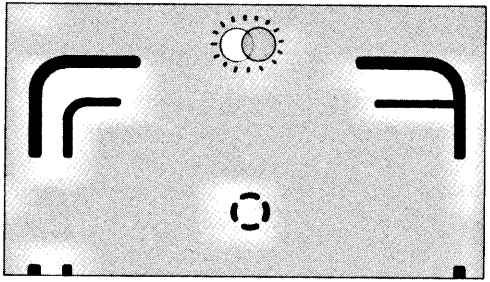
CHECKING BATTERY STATUS

1



1. After opening the Lens Protector, partially depress the Shutter Release Button while covering the Light Sensor as illustrated.

2



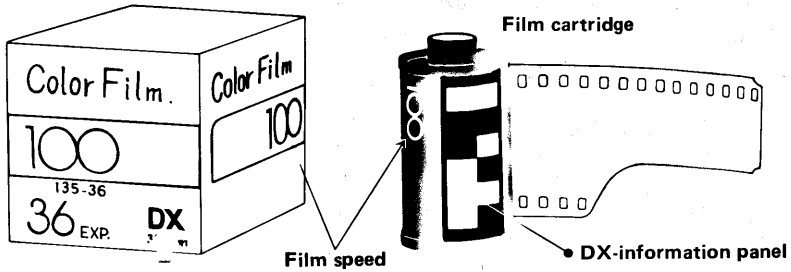
2. When the lamp (red and green) in the upper section of the viewfinder glows, accompanied by a beeping sound, the batteries are properly placed in the chamber. If the batteries are incorrectly loaded, or weak or dead, the Shutter Release Button cannot be depressed, nor can film be wound. If the batteries are weak, replace both batteries with fresh ones.

Battery capacity

If the batteries are getting weak, the flash recycling time and the auto winding/rewinding action becomes noticeably slower.

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DX FILM



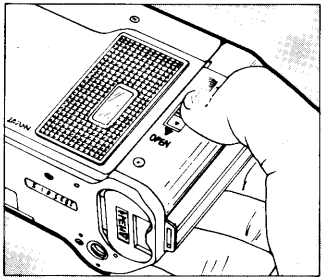
This camera is designed to use DX-coded film only, and when the DX-coded film with an ISO number within the range from 25 to 1600 is loaded, the camera automatically sets the film speed with the film in use.

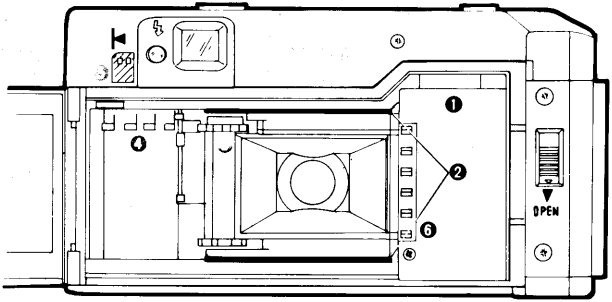
- If non-DX film with any film speed is loaded into this camera, the film speed is automatically set to ISO 100.
- When buying DX film, make sure the package bears the "DX" mark or that the cartridge has a DX-information panel.

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FILM LOADING

1

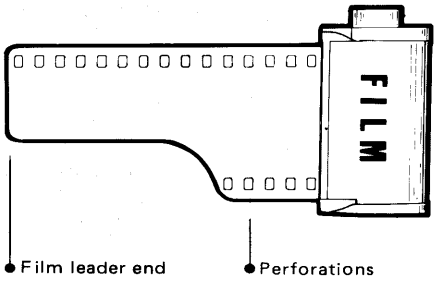




Always load or unload your camera in a shady spot, or shield it from direct sunlight with your body. Also keep the Lens Protector closed when loading the film to prevent fingerprints or dirt on the lens.

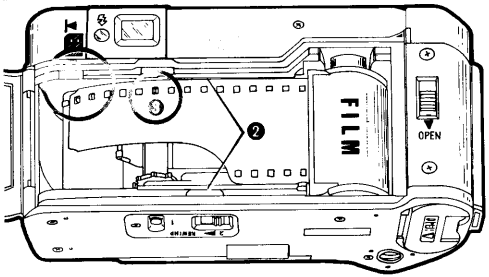
1. Open the camera back by sliding the Back Cover Release Lever in the direction of the arrow.

❶ Film chamber
❷ Guide rail
❸ Sprocket teeth
❹ Take-up spool
❺ Film leader end mark
❻ DX information pins



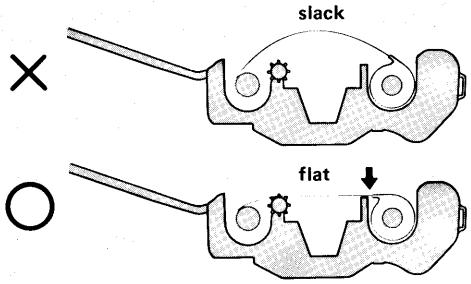
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2



2. Insert the film cassette into the film chamber and pull the film leader out far enough to reach the take-up spool.

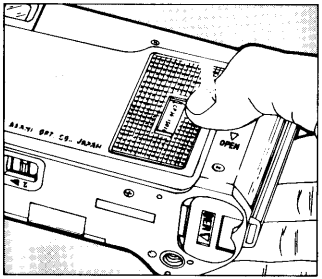
- Align the film-leader end with the film-leader-end mark ❺ so that the tip is positioned alongside the white bar mark on the top film rail.
- Make sure that the perforations engage the sprocket teeth ❸.
- Also make sure that the film is properly placed between the two guide rails ❷.



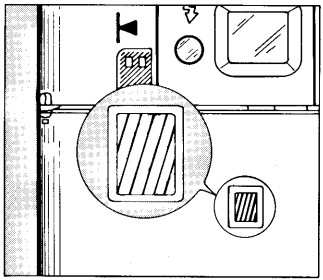
- Take up any slack left in the film so that it is flat as illustrated.

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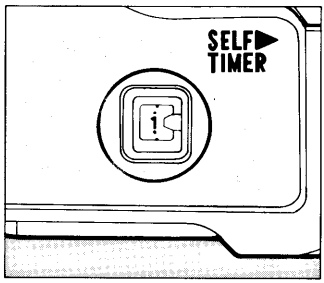
3



3



4

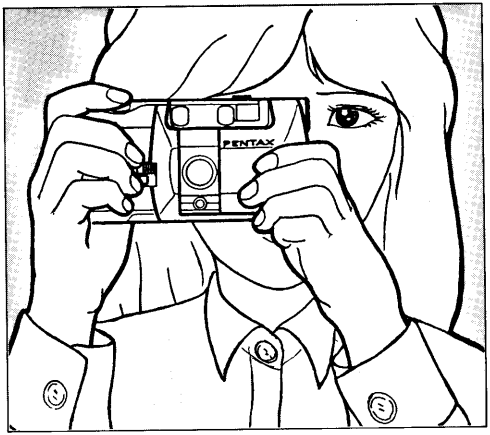


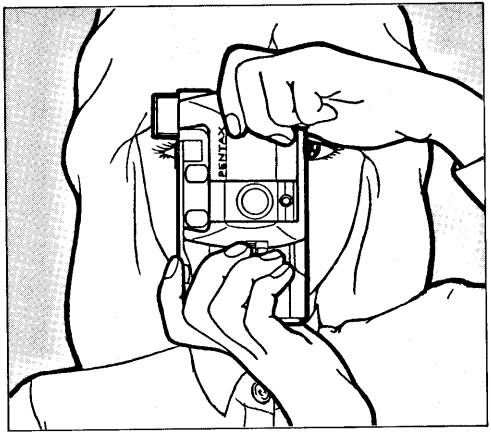
3. Close the back cover, and the film will be automatically wound up to the first frame.
• When the film is being wound, the red stripes in the Film Transport Indicator on the back cover flicker, indicating that the film is moving properly. If the stripes do not flicker, reload the film.

4. When the auto winding stops, indicating "1" in the Exposure-Counter window, now you are ready to start shooting.

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CAMERA HOLDING

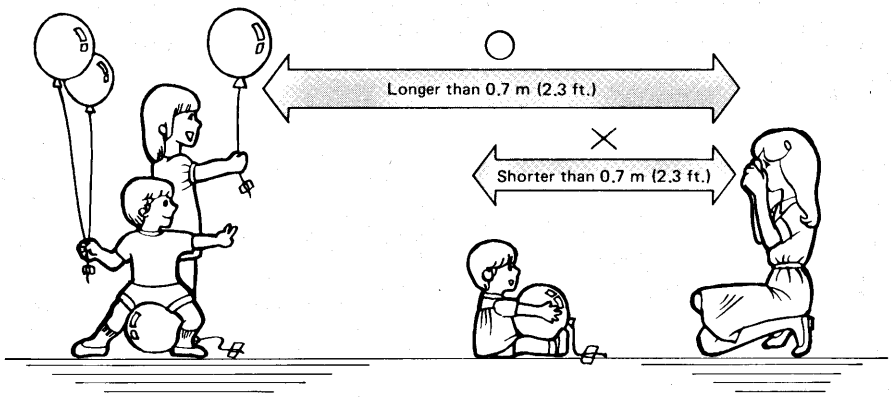




It is important to hold the camera properly in order to take blur-free photos. Practice holding and operating the camera before inserting your first roll of film.
The illustrations show the basic holding positions. No matter which position you use, be sure to grip the camera steadily with both hands, hold the camera gently against the face in a fixed position, and relax the rest of your body in a secure posture. Brace the elbow of the arm supporting the camera against your body. Always press the Shutter Release Button gently.
When taking flash pictures with the camera held vertically, be sure to keep the flash head on the upper side.

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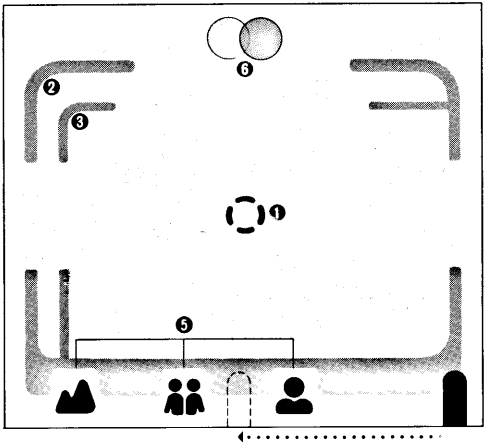
RECOMMENDED CAMERA-TO-SUBJECT DISTANCE



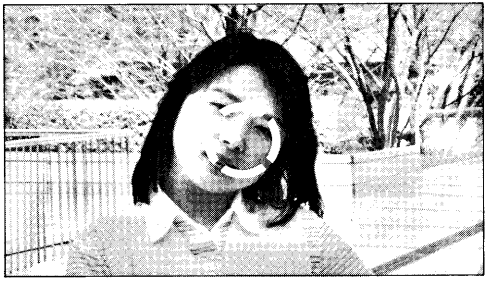
- For best possible results, take your pictures within the camera-to-subject distance from 0.7 m (2.3 ft.) to ∞ (infinity).

- When you change from one subject to another, be sure to keep your finger off the Shutter Release Button completely, and redepress the Button. Also, if you depress the Button before the Distance Indicator Needle returns to the original position, the accurate focus cannot be obtained.

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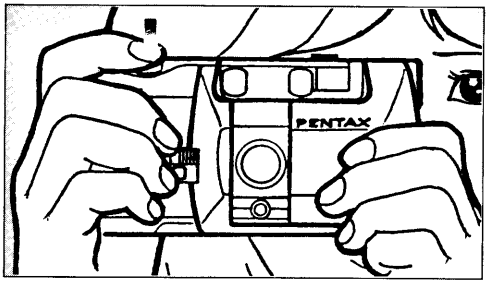


❶ Auto Focus Frame
❷ Picture Area Frame (General photography range)
❸ Parallax Correction Frame (Short distance photography range)
❹ Distance Indicator Needle
❺ Zone Focus Marks
❻ Red/Green Lamp



1. Looking through the viewfinder, compose your picture and bring the ❶ Auto Focus Frame on the subject you want to focus on.
Be sure to keep your hands or hairs away from the Auto Focus Windows, Taking Lens, Light Sensor Window or Flash Head.
2. Lightly depress the Shutter Release Button, and the Green Lamp will turn on, which indicates a faster shutter speed suitable for handheld shooting.

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3. Continue to depress the Shutter Release Button, and the ❹ Distance Indicator Needle will move with a hissing sound. Depress the Button completely to release the shutter.
Keeping the finger off the Button will automatically wind up the film for the next frame.

• During the picture taking, never depress the Film Rewind Button at the camera base; if depressed, images may be overlapped.

Precautions

• This camera automatically focuses on the subject in the Auto Focus Frame. Be sure to bring the Auto Focus Frame on the subject you want to shoot.

• When the Shutter Release Button is partially depressed, the Distance Indicator Needle automatically moves along the ❺ Zone Focus Marks, according to the camera-to-subject distance. The camera-to-subject distances of the Zone Focus Marks are:

= Approx. 0.8 m /2.6 ft.
= Approx. 1.5 m/4.9 ft.
= ∞ (Infinity)

• When the Needle comes in the vicinity of , compose your picture within the ❸ Parallax Correction Frame.

• When the Red/Green lamp turns on, accompanied by a beep with the Shutter Release Button partially depressed, it indicates the subject is so dark you have to use flash. Refer to the pages of FLASH PHOTOGRAPHY.

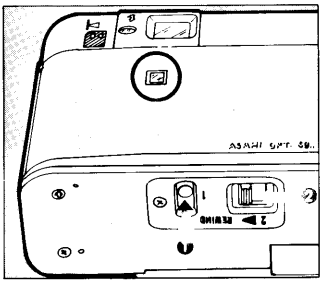
• The auto focus system of this camera is highly accurate and reliable for ordinary picture-taking situations. However, there are certain conditions where the system does not function properly. For example, when there is a great difference between the distance indicated by the Needle and the actual camera-to-subject distance, the subject distance cannot be accurately measured by the electronic system of this camera. Refer to the page of DIFFICULT AUTO-FOCUS SUBJECTS.

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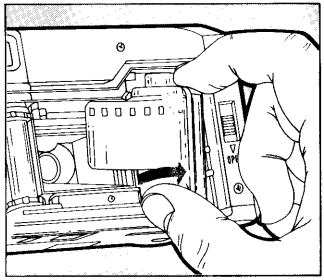
REWINDING FILM

When the last frame of the roll has been exposed, the motor will automatically stop. Rewind the film and remove it from the cartridge in the following order.

1



2

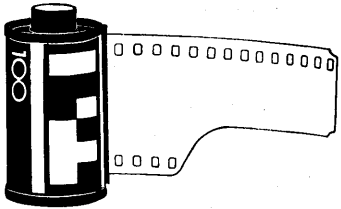


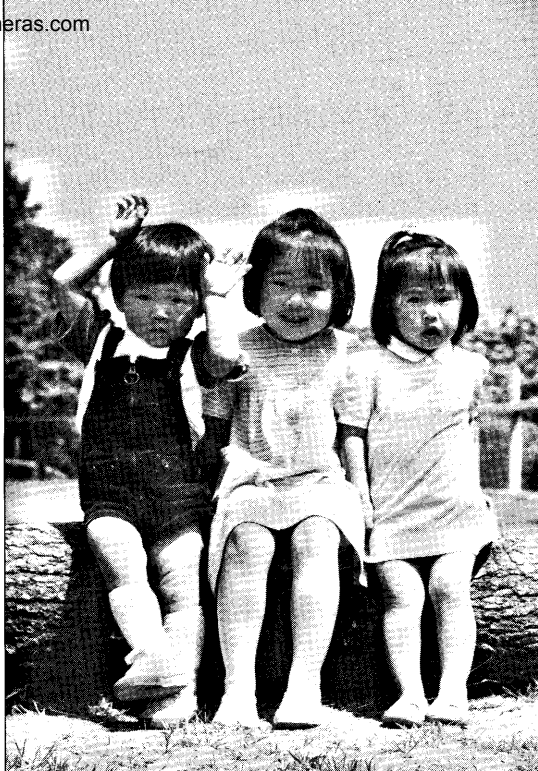
1. Slide the Film Rewind Lever marked ❷ in the direction of the arrow, while pushing the Film Rewind Button marked ❶. Once the motor has started, you can release your finger from the Button. The motor will then start rewinding the film automatically. The red stripes in the Film Transport Indicator flicker while the film is being rewound, and the motor stops when the film-rewind action is over.

2. Open the back cover and remove the film cartridge by gently taking it out and turning it in the direction of the arrows.

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- It will take you about 30 seconds to rewind a roll of 36-exposure film.
- Never open the back cover before the motor stops.
- The Film Rewind Lever ❷ does not return to the original position until the back cover is opened.
- When the batteries become depleted, the motor may stop during the film rewind. If it happens, replace the batteries to complete the film rewind.
- Unload the film in a shady spot, or shield the camera from the direct sunlight with your body.





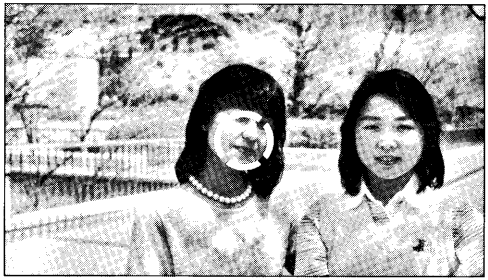
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FOCUS-LOCK TECHNIQUE



If the subject you want to focus on is off the Auto Focus Frame in the center of the viewfinder, the main subject will be out of focus. In such a case (especially when shooting two persons as illustrated, for example), use the focus-lock technique by taking the following steps:

1

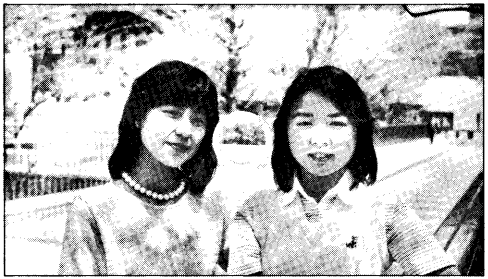


1. Bring the Auto Focus Frame on your subject and partially depress the Shutter Release Button, and the Distance Indicator Needle will move and the focus will be locked temporarily. (Confirm the position of the Distance Indicator Needle in the viewfinder. — see page 14)

2. While keeping the Shutter Release Button partially depressed, move the camera to recompose your picture with the subject in the desired position, then depress the Button completely to take the picture.

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2



• When the Shutter Release Button is depressed partially, the Distance Indicator Needle will move to the Zone Focus Marks, and as long as the Button is depressed partially, the focus setting remains locked even if the camera is pointed to another subject. Releasing your finger from the Button will cancel the focus lock.
• After depressing the Shutter Release Button partially, if you should remove your finger from the Button to interrupt your shooting, the Distance Indicator Needle might not return to the original position. In that case, you have no choice but to depress the Button further to release the shutter.

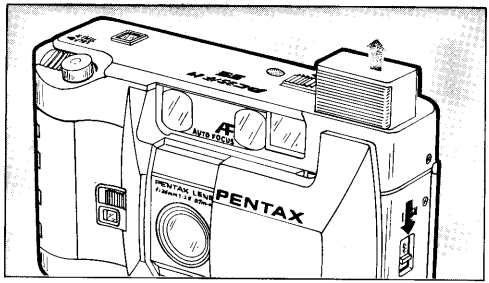
DIFFICULT AUTO-FOCUS SUBJECTS

The auto focus system of this camera may not function properly in the situations described below. In such cases, focus on a subject near the actual subject you are shooting, and lock the focus by using the focus-lock technique, then frame the subject and shoot.

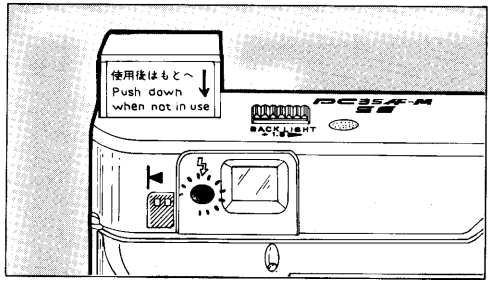
1. Black objects which are hard to reflect light (infrared).
2. Wire netting, latticework, iron exercise-bar, etc. with less light reflection.
3. When neon signs, fluorescent lamp, television, sunlight coming through the trees, etc. are in or around the Auto Focus Frame.
4. Glass panelling, mirrors, car bodies, etc. which are glossy and reflective.
5. Fast-moving objects such as trains and cars.
6. Water jets, water surfaces, smoke, flame, fireworks and other transparent or translucent objects.

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If you are taking pictures indoors, at night or in other low-light situations, the Red/Green lamp will turn on, accompanied by a beep (slow-shutter-speed/camera-shake warning sound), when the Shutter Release Button is partially depressed. This indicates that you should use flash. Without flash, blurred or underexposed pictures may be taken.

Using flash as supplementary light source in daylight

If you are shooting people in the shade of trees or in a dimly lit place, use flash to prevent their faces from being underexposed.

1. Push the Flash Pop-up Release Lever in the direction of the arrow, and the flash will spring up into place and automatically begin to charge.

2. The Flash Ready Lamp next to the Viewfinder Eyepiece will turn on in several seconds. After making it sure, depress the Shutter Release Button completely to take a flash picture. Push the Flash Head back into the camera body; it will automatically lock the flash and return the camera to normal mode.

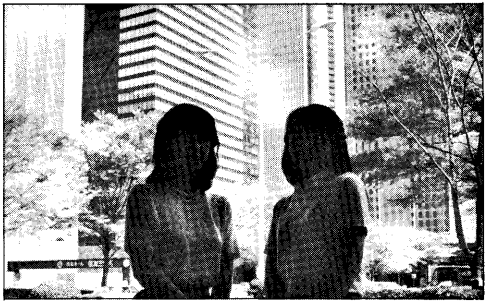
• It takes about 6 seconds for the flash to be charged when batteries are fresh, and longer as the batteries become exhausted. If it takes more than 30 sec., the Shutter Release Button may not be depressed; if so, replace the batteries.

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Number of films for flash photography
About 10 rolls of 24-exposure film or about 7 rolls of 36-exposure film can be used for flash photography with a set of fresh batteries at normal temperature and humidity.

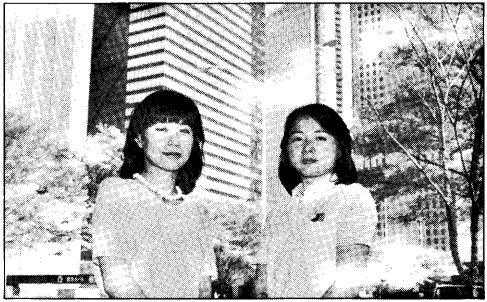
Flash control range
0.7 – 2 m (2.3 – 6.6 ft.) with ISO 25 film
0.7 – 3 m (2.3 – 9.8 ft.) with ISO 50 film
0.7 – 4 m (2.3 – 13 ft.) with ISO 100 – 1600 film

Notes:
- During flash photography, the Green Lamp in the upper section of the viewfinder will turn on when the Shutter Release Button is partially depressed. However, be sure to release the shutter after making sure that the Flash Ready Lamp is on.
- Releasing the shutter before the Flash Ready Lamp lights up may result in underexposed pictures.
- Take care not to depress the Shutter Release Button even partially while the flash is being charged; if depressed, the charging will be interrupted.
- Push the Flash Head back into the camera when not in use; if not, it will cause the batteries to be exhausted.

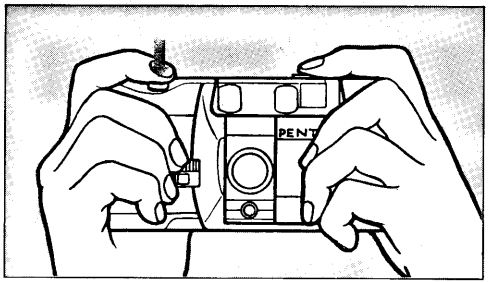


Flash not used ↑

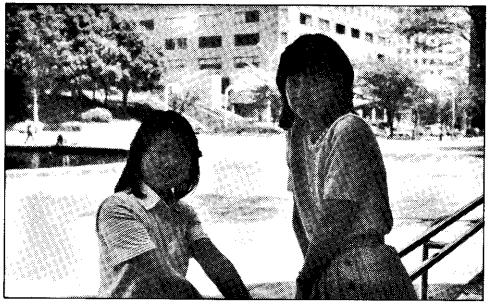
Flash used ↓



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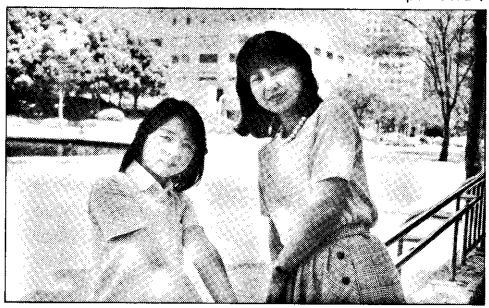


Taking pictures of people under back-lighted situations where the sun or bright sky is behind the subject may produce underexposed pictures. In such a case, release the shutter while keeping the Exposure Compensation Lever depressed in the direction of the arrow; the subjects will then be exposed correctly.



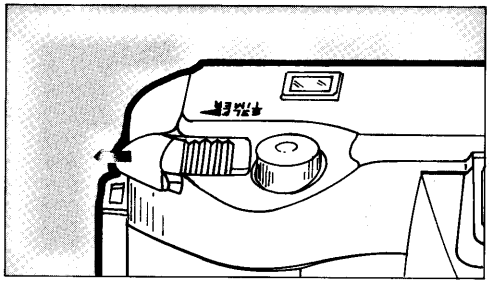
Uncompensated ↑

Compensated ↓

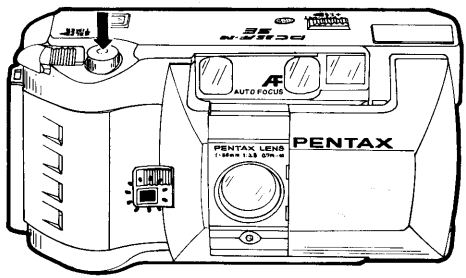


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You can use the Self-timer in combination with a tripod whenever you wish to take a family group photo including yourself.

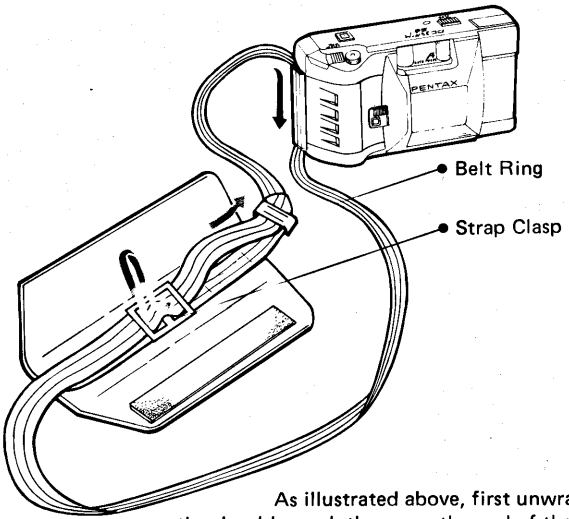
1. Set the Self-timer by sliding the Lever in the direction of the arrow as illustrated.
2. Depress the Shutter Release Button, and the Self-timer Lamp will turn on and the shutter will be automatically released about ten seconds later. About three seconds before the shutter is released, the Self-timer Lamp will start flickering, accompanied by a beep, indicating that a picture will soon be taken. This Lamp also flashes when a picture has been taken without the Self-timer being used.

When the self-timer photography is over, be sure to return the Self-timer Lever to the original position.

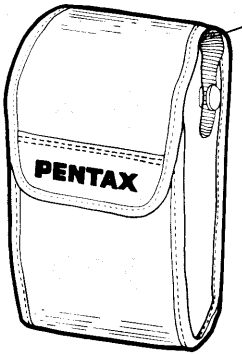
- The self-timer operation can be interrupted by pushing the Lever back to the original position before the shutter button is depressed.

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ATTACHING STRAP & SOFT CASE



As illustrated above, first unwrap the shoulder pad, then pass the end of the strap through the strap lugs on the camera and proceed to pass it through in the order of strap clasp and belt ring. Adjust the strap's length and wrap up the strap in the shoulder pad.



The soft case is optional. The strap (left) should be passed through the loop.

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Type:	All-automatic 35mm leaf-shutter camera with built-in flash.
Usable Film:	35mm film with 24 x 36mm format. DX-film with ISO film speed from 64 to 1600; non-DX film with ISO 100 film speed.
Lens:	Pentax 35mm f/2.8, 5 elements in 5 groups.
Focusing:	Pentax infrared active triangular measuring system (0.7m to infinity) with focus lock device.
Exposure Control:	Programmed automatic exposure control from EV6 (f/2.8 at 1/8 sec.) to EV17 (f/16 at 1/430 sec.) at ISO 100 with CdS-cell metering. Slow shutter warning by LED display and PCV sound.
Viewfinder:	Albada bright-frame viewfinder. 85% picture area. 0.44X magnification. Dioptry -0.9.
Viewfinder Information:	Auto focus frame, Picture area frame, Parallax correction frame, Distance indicator needle, Zone focus marks, Red/Green lamp.
Shutter:	Electronically programmed behind-the-lens shutter, shutter speed from approx. 1/8 to 1/500 sec.
Film Loading:	Automatic film loading; closing back cover automatically advances film to first frame.
Film Winding:	Electronic winding system with film advance indicator. Winding speed: 0.7 sec. per frame.
Film Rewinding:	Semi-automatic electric rewind mechanism. Indicated by film advance indicator. Rewind speed: 30 sec. for 36-exposure film.
Self-timer:	10 sec. delay electronic self-timer with PCV sound and LED display.
Flash:	Built-in pop-up type with flash ready lamp. Guide number: 11 (ISO 100, m)
Flash Recycling Time:	About 6 seconds with fresh alkaline batteries.
Number of Flashes:	About 10 rolls of 24-exposure film or about 7 rolls of 36-exposure film at 30-sec. intervals and in normal temperatures.

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Other Features:	1) Lens protector 2) Film type indicator.
Power Source:	Two "AA" Alkaline batteries. Ni-Cd batteries not usable.
Size & Weight:	129(W) x 69(H) x 46(D)mm (5.1 x 2.7 x 1.8 in.), 320 g (11.3 oz.) without batteries.
Accessory:	Strap