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 KYOCERA

YASHICA

270

Auto Focus



Instruction manual • Bedienungsanleitung • Mode d'emploi • Manual de instrucciones

Thank you for your purchase of a Yashica camera. This is a simple-to-use, fully automatic single-lens reflex camera that lets you take pictures by simply depressing the shutter release. Focusing, exposure, and film winding are all automatic.

By combining its auto-focus function, exposure modes, and built-in flash, you can also realize more sophisticated image expressions with it.

Before you use the camera, please read this instruction manual carefully through to use it correctly.

Though the instructions in this manual are described with a 50mm F1.8 AF lens on the camera, the operating procedures are the same as described in this manual even if it is equipped with other Yashica AF lenses.

Besten Dank für den Kauf einer Yashica Kamera.

Dies ist eine unkomplizierte, vollautomatische Spiegelreflex-Kamera. Sie drücken nur auf den Auslöser. Scharfstellung, Belichtung und Filmtransport erfolgen automatisch.

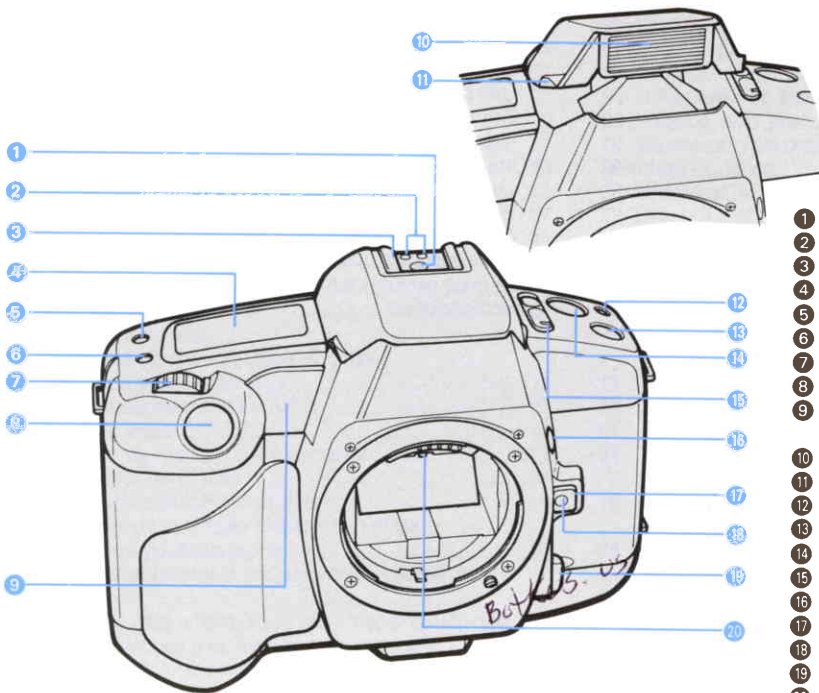
Durch die Kombination von Autofokus-Funktion, Belichtungsfunktionen und eingebautem Blitz werden Sie damit auch anspruchsvolleren Motiven gerecht. Lesen Sie vor dem Fotografieren diese Bedienungsanleitung sorgfältig durch, um alle Funktionen optimal nutzen zu können.

Die Hinweise in dieser Anleitung beziehen sich auf eine Kamera mit 1,8/50mm-Yashica-Objektiv. Mit anderen Objektiven erfolgt die Bedienung auf die gleiche Weise.

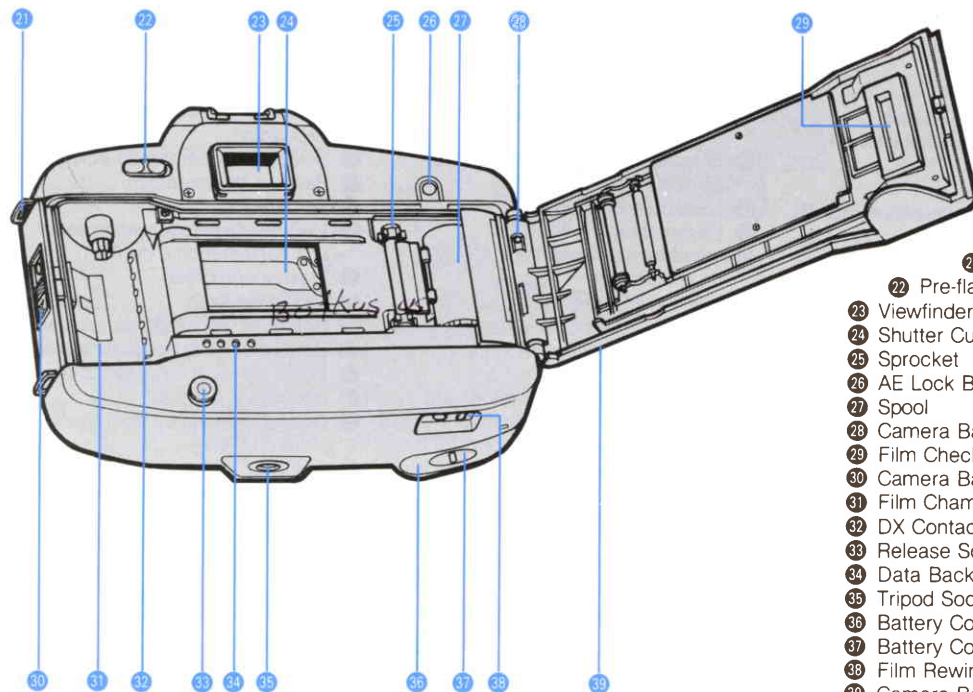
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Names of Parts



- 1 Direct X-contact
- 2 Dedicated Flash Contacts
- 3 Accessory Shoe
- 4 Display Panel
- 5 Exposure Compensation Button
- 6 Focusing Range Selector
- 7 Operating Lever
- 8 Shutter Release
- 9 AF Supplementary Light/
Self-timer LED
- 10 Built-in Flash
- 11 Flash Knob
- 12 Program Reset Button
- 13 Drive Mode Button
- 14 Exposure Mode Button
- 15 Main Switch
- 16 AF Lock/Aperture Setting Button
- 17 Lens Release Button
- 18 Lens Mounting Index
- 19 AF/MF Selector
- 20 Screen Release Claw



- 21 Strap Lug
- 22 Pre-flash Selector Switch
- 23 Viewfinder Eyepiece
- 24 Shutter Curtain
- 25 Sprocket
- 26 AE Lock Button
- 27 Spool
- 28 Camera Back Release Pin
- 29 Film Check Window
- 30 Camera Back Release Knob
- 31 Film Chamber
- 32 DX Contacts
- 33 Release Socket
- 34 Data Back Contacts
- 35 Tripod Socket
- 36 Battery Compartment Cover
- 37 Battery Compartment Cover Key
- 38 Film Rewind Switch
- 39 Camera Back

Attaching the Eyepiece Cover and Strap

● Pass the accessory eyepiece cover through the strap, then attach the strap to the camera as shown.

Anbringen von Okularabdeckung und Riemen

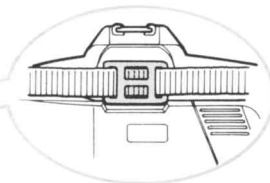
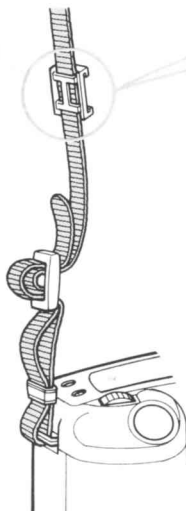
● Schieben Sie die Okularabdeckung (Standardzubehör) über den Trageriemen und befestigen Sie ihn wie abgebildet.

Instalación de la cubierta del ocular y correa

● Pase la cubierta del ocular accesoria a través de la correa, después instale la correa en la cámara como se muestra.

Fixation du cache de l'oculaire et de la courroie

● Faites passer le cache de l'oculaire accessoire par la courroie, puis fixer la courroie à l'appareil comme indiqué.



● If you are leaving exposure to the camera's automatic exposure system and shooting with your eye off the viewfinder eyepiece in the trap focus mode "●", self-timer mode "☺", etc., it may be fouled by light entering through the eyepiece.

In such cases, put the eyepiece cover on the eyepiece to obtain correct exposure by preventing extraneous light from getting into the camera.

● Wenn Sie mit Belichtungsautomatik fotografieren und z.B. bei Aufnahmen mit Stativ, Selbstauslöser oder Fokus-Falle das Okular nicht mit dem Auge abschatten, kann eintretendes Störlicht die Belichtungsmessung verfälschen. In so einem Fall stecken Sie die Abdeckung über das Okular, um Störlichteinfall zu vermeiden.

● Si usted deja la exposición al sistema de exposición automática de la cámara y está disparando sin mirar a través del ocular del visor en el modo de enfoque instantáneo "●", modo de disparador automático "☺", etc., puede errar debido a la luz que entra a través del ocular. En tales casos, coloque la cubierta del ocular para obtener la exposición correcta evitando que entre luz extraña en la cámara.

● Si vous laissez l'exposition au système d'exposition automatique de l'appareil et que vous prenez vos photos sans avoir l'oeil sur l'oculaire du viseur dans le mode capture-mise au point "●", le mode de retardateur "☺", etc., l'exposition peut être trompée par la lumière pénétrant par l'oculaire. Dans ces cas, placer le cache de l'oculaire sur l'oculaire pour assurer une exposition correcte en évitant la pénétration de toute lumière extérieure dans l'appareil.

Attaching the eyecup and diopter lens

- See illustration.

Anbringen von Augenmuschel und Korrekturlinse

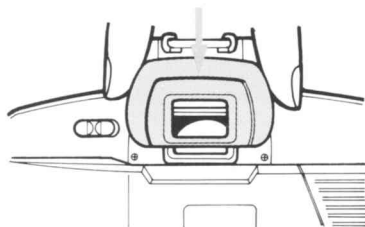
- siehe Abbildung

Instalación del receptáculo del ocular y lentes diópticas

- Vea la ilustración.

Fixation de l'oculaire et de la lentille dioptrique

- Voir l'illustration.

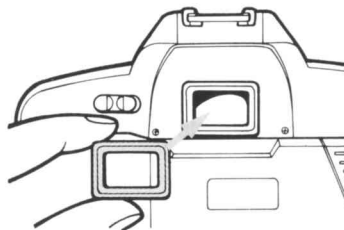


- Attach the FL type diopter (optional accessory) suited to your eyesight as shown. The eyecup can be attached over the diopter lens.

- Befestigen Sie die als Zubehör erhältliche Okularkorrekturlinse wie abgebildet. Die Augenmuschel kann darüber befestigt werden.

- Instale una lente dióptica del tipo FL (accesorio opcional) apropiado a su visión como se muestra. El receptáculo ocular puede instalarse sobre la lente dióptica.

- Fixez la lentille dioptrique de type FL (accessoire optionnel) convenant à votre vision comme indiqué. L'oculaire peut être fixé sur la lentille dioptrique.



Camera Care and Precautions

- Do not leave the camera in hot places (on an ocean beach in summer, in a parked car under direct sunlight, etc.) for a long time, because the camera, film and battery may be adversely affected.

- After taking pictures at the seaside or on mountains, clean the camera thoroughly. Salt air will cause corrosion and sand and dust will adversely affect the precision parts inside the camera.

- To remove dust and dirt on the lens and viewfinder eyepiece, use an air blower or a soft lens brush. If they are soiled with fingerprints, wipe off lightly with lens tissue. Remove dust and dirt on the mirror with a lens brush.

- To clean the camera body, wipe off with a soft cloth. Never use organic solvents such as benzene and thinner.

- The lens may be clouded if the camera is brought into a warm room from outside where it is cold. This cloudiness will disappear soon, but it is always good to avoid abrupt temperature changes.

- The camera contains high-voltage circuits. Never try to disassemble it by yourself because it is dangerous.

- **If you are going to use the camera for important events such as an overseas trip or wedding ceremony, be sure to test it beforehand to make sure it functions properly. It is also advisable to bring a spare battery with you.**

- The camera is a precision instrument. Do not drop it down or apply intense shock.

- The liquid crystal display will not appear clear in hot temperature (e.g. on an ocean beach in summer) or cold temperature (under 0°C), but it will return to normal in ordinary temperature.

< Note on the use of polarizing filters >

When a polarizing filter (linear type) is used on this camera, your picture may be slightly underexposed because of the nature of its light metering system. If you want to shoot with a polarizing filter, it is recommended to use a circular type polarizing filter.

Remarks on the microcomputer protection circuit

This camera incorporates a safety circuit for protecting it against strong static electricity. Though rarely, the camera may fail to operate when this circuit has been activated. In this case, set the Main Switch to "LOCK" and press the Program Reset Button, then operate the camera again to shoot.

Butkus 03

<Camera Storage>

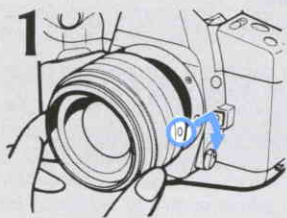
- Keep the camera away from heat, moisture and dust. Do not store it in a wardrobe drawer containing mothballs or in a laboratory where there are chemicals that will cause damage to it.
- If you are not likely to use the camera for an extended period of time, remove the battery to prevent damage due to liquid leakage.

<Battery precautions>

- Generally, the battery performance is reduced temporarily by low temperatures (under 0°C). If you are using the camera in cold weather, put it inside your clothing before shooting to keep the battery warm. The battery performance reduced by low temperatures will return to normal in ordinary temperatures.
- If battery poles are soiled with sweat, oil or grease, poor contact may result. Wipe both poles clean with a dry cloth before use.
- If you are going on a long trip, bring a new spare battery with you.
- Never throw the battery into fire, nor charge, short, disassemble or heat it because it is dangerous.
- If the battery is loaded with its plus (+) and minus (-) ends wrong, the camera will not operate.
- The 6V lithium battery (2CR5) cannot be recharged.
- Keep the battery out of children's reach.

- Lassen Sie die Kamera nicht lange an heißen Orten (z.B. Strand im Sommer, geparktes Auto in der Sonne), denn Kamera, Batterie und Film könnten darunter leiden.
- Reinigen Sie die Kamera gründlich nach dem Aufenthalt in feuchter oder staubiger Umgebung, z.B. Meer oder Gebirge. Feuchte und salzige Luft kann Korrosion bewirken, Sand und Staub die Funktion mechanischer Teile stören.
- Verwenden Sie zum Entfernen von Staub und Schmutz von Objektiv, Okular und Spiegel Druckluft oder einen Puste-Pinsel. Fingerabdrücke wischen Sie vorsichtig spiralförmig von der Mitte zum Rand mit einem Linsenreinigungstuch ab.
- Das Kameragehäuses reinigen Sie mit einem weichen Tuch. Nehmen Sie niemals organische Lösungsmittel wie Benzin oder Verdünnung.
- Wenn die Kamera aus der Kälte in warme Umgebung gelangt, kann das Objektiv beschlagen. Diese Erscheinung verschwindet nach kurzer Zeit von selbst, doch sollte man abrupte Temperaturwechsel möglichst vermeiden.
- Die Kamera enthält Hochspannungs-Schaltkreise. Versuchen Sie wegen der damit verbundenen Gefahr nie, die Kamera selbst zu öffnen.
- **Wenn Sie die Kamera länger nicht benutzt haben und damit wichtige Fotos machen wollen, z.B. auf Fernreisen oder einer Hochzeit, empfiehlt es sich, vorher einen Testfilm zu belichten, um sich von der einwandfreien Funktion zu überzeugen. Vergessen Sie die Reserve-Batterie nicht.**

Basic Steps/Grundlegendes Verfahren/

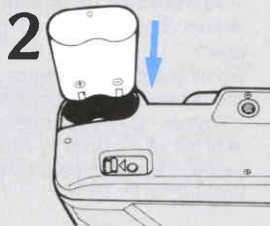


Mount the lens (for details, see page 30).

Setzen Sie das Objektiv ein (Näheres S. 31).

Montez l'objectif (pour les détails, voir page 31).

Monte el objetivo (para más detalles vea la página 31).



Load the battery (for details, see page 32).

Legen Sie die Batterie ein (Näheres S. 33).

Mettez la pile en place (pour les détails, voir page 33).

Cargue las pilas (para más detalles vea la página 33).

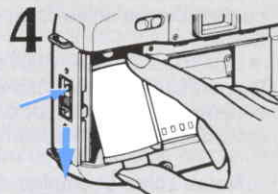


Set the Main Switch to "ON" (for details, see page 34).

Stellen Sie den Hauptschalter auf "ON" (Näheres S. 35).

Placez l'interrupteur d'alimentation sur la position "ON" (pour les détails, voir page 35).

Ajuste el interruptor principal en posición "ON" (para más detalles vea la página 35).



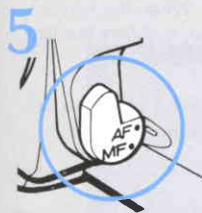
Load the film (for details, see page 36).

Legen Sie den Film ein (Näheres S. 37).

Chargez le film (pour les détails, voir page 37).

Cargue la película (para más detalles vea la página 37).

Etapas de base/Pasos básicos

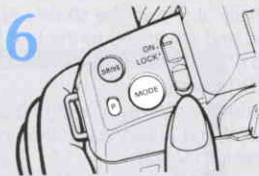


Set the AF/MF Selector to "AF" (for details, see page 42).

Stellen Sie den AF/MF-Wählschalter auf "AF" (Näheres S. 43).

Placez le sélecteur AF/MF sur la position "AF" (pour les détails, voir page 43).

Ajuste el selector de AF/MF en posición "AF" (para más detalles vea la página 43).



Choose the exposure mode (for details, see page 46).

• If you want to shoot immediately, press the Program Reset Button.

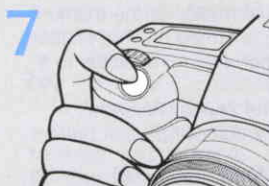
Wählen Sie die Belichtungsfunktion (Näheres S. 47).

• Für Sofortige Aufnahmebereitschaft drücken Sie die Programm-Rückstelltaste.

Sélectionnez le mode d'exposition (pour les détails, voir page 47).

• Si vous désirez prendre immédiatement des photos, appuyez sur le bouton de réinitialisation de programme.

Escoja el modo de exposición (para más detalles vea la página 47).



Depress the Shutter Release to shoot (for details, see page 62).

• Aim the focusing frame at your subject.

Drücken Sie den Auslöser zum Fotografieren (Näheres S. 63).

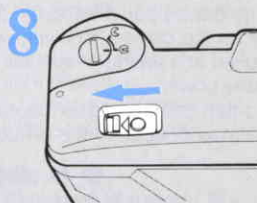
• Visieren Sie zuvor mit der Fokuszone das Motiv an.

Appuyez sur le déclencheur pour prendre la photo (pour les détails, voir page 64).

• Dirigez le cadre de mise au point sur votre sujet.

Presione el disparadora para disparar (para más detalles vea la página 65).

• Dirija el marco de enfoque hacia el sujeto.



Rewind the film after the end of the film is reached (for details, see page 66).

Spulen Sie den Film zurück, wenn er voll ist (Näheres S. 67).

Rembobinez le film lorsqu'il est terminé (pour les détails, voir page 67).

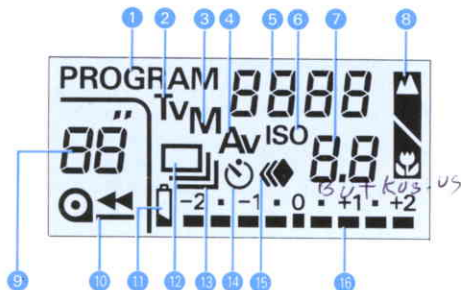
Rebobine la película antes de alcanzar el final de la misma (para más detalles vea la página 67).

Display Panel & Display in the Viewfinder

< Display Panel >

The display panel will show the information at the moment when the camera's power switch is turned on. The shutter speed and aperture data will go out after 16 seconds to save power.

To turn them on again, depress the Shutter Release halfway or operate the AF Lock Button or AE Lock Button.

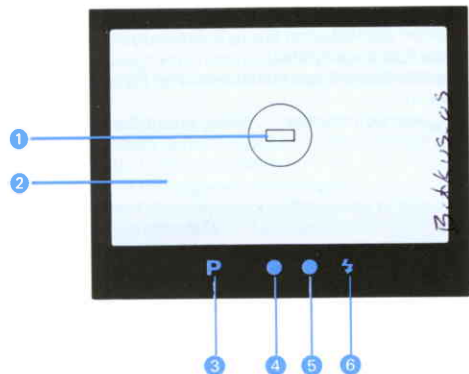


(This illustration shows all information available for reference. It does not represent actual data, however.)

- ① Programmed Auto Exposure Indicator
- ② Shutter-speed-priority Auto Exposure Indicator
- ③ Manual Exposure Indicator
- ④ Aperture-priority Auto Exposure Indicator
- (①—④ represent exposure modes. Four exposure modes are available.)

- ⑤ Shutter Speed/Film Speed
(Normally, it shows the shutter speed. When the film is loaded and advances to the first frame, it shows the film speed (ISO)).
- ⑥ ISO Indicator
(This mark is displayed with the film speed when the film is loaded and advances to the first frame.)
- ⑦ Aperture Value
- ⑧ Focusing Range Indicator
- ⑨ Exposure Counter
(It advances by one each time the film is wound. Also, it shows the elapsed time (in seconds) during bulb exposure.)
- ⑩ Film Advance/Rewinding Mark
(Shows the condition of the film in the camera.)
 - : The film is advancing properly (lighting).
 - : The film is rewinding (◀blinking).
 - : Rewinding completed (blinking).
- ⑪ Battery Warning Mark
(It appears when the battery is spent.)
- ⑫ Single-frame Shooting Mode Indicator
- ⑬ Continuous Shooting Mode Indicator
- ⑭ Self-timer Mode Indicator
- ⑮ Trap Focus Mode Indicator
- (⑫—⑮ represent drive modes. Four drive modes are available.)
- ⑯ Exposure Compensation Indicator
(It shows the compensation value when exposure compensation is made.)

< Display in the Viewfinder >



1 Focusing Frame

Aim this spot at the subject you want to focus on.

2 Matte Screen

3 Program Mode Mark ("P" in green)

It appears when the exposure mode is set to the programmed auto exposure mode. It blinks when the program is shifted. For details, refer to page 84.

4 Sharp Focus LED (green)

It turns on when the subject in the focusing frame is in sharp focus.

● (lighting) : The subject is in sharp focus.

●● (blinking) : Focusing is not possible.

* In the manual focus mode, it turns on only when the subject is in sharp focus. But it does not blink when focusing is not possible.

5 Exposure Warning LED (red)

(A) Camera Shake/Incorrect Exposure Warning LED: It blinks intermittently when a slow shutter speed has been selected in the programmed auto exposure, shutter-speed-priority auto exposure, or aperture-priority auto exposure mode to warn you that camera shake is likely to occur. It blinks continuously when it is impossible to obtain correct exposure because the subject is not within the coupling range of the camera's exposure system.

(B) Correct exposure indicator LED: It turns on when the exposure (shutter speed and aperture) set in the manual exposure mode is correct. It blinks if the exposure is not correct. (For details, refer to page 62).

6 Flash Mark ("⚡" in green)

If you are shooting with the built-in flash or the dedicated flash (optional accessory), this mark turns on when the flash is fully charged. With the built-in flash, it also blinks when the shooting distance is not within its effective range. In this case, change the shooting distance so that it turns on with steady light.

(For details, refer to page 100.)

Basic Operation

This chapter explains the basic steps for operating this camera. If you read these instructions, you will learn how to use it for normal photography.

Grundlegende Bedienungsverfahren

Dieses Kapitel beschreibt die grundlegenden Verfahren bei der Bedienung dieser Kamera. In diesem Kapitel lernen Sie, wie die Kamera für normale Aufnahmen einzusetzen ist.

Procédure de base

Ce chapitre explique les étapes de base permettant d'utiliser cet appareil. En lisant ces instructions, vous apprendrez à utiliser votre appareil pour prendre des photos normales.

Operación básica

Este capítulo explica los procedimientos básicos para la operación de esta cámara. Si usted lee estas instrucciones, aprenderá a utilizarla para la fotografía normal.

Mounting and Dismounting the Lens

< Mounting >

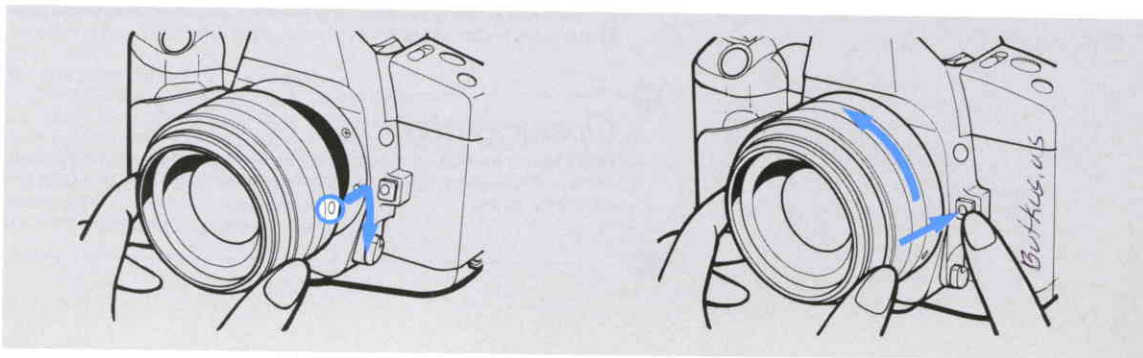
First, remove the camera's body cap and the lens' rear cap by turning them counterclockwise. Then, align the red dot on the lens rear with the red dot (lens mounting index) on the camera's Lens Release Button, push in the lens and turn it clockwise until it locks with a click.

- Do not press the Lens Release Button when mounting the lens.

< Dismounting >

While pushing on the Lens Release Button, turn the lens counterclockwise as far as it will go, then remove it by pulling it out forward. After dismounting the lens, be sure to put the lens cap and body cap on it and the body cap on the camera.

- Do not touch the lens surface and camera interior when mounting and dismounting the lens.
- If you are changing the lens when there is film in the camera, avoid direct sunlight.

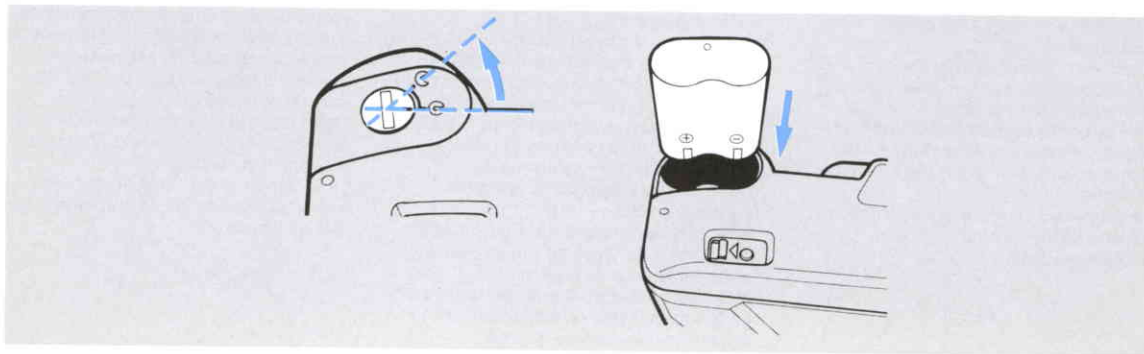


Loading the Battery

1 With a coin, turn the Battery Compartment Cover Key on the camera bottom in the direction of the arrow until the mark "⊞" is in line with the mark "—", then remove the cover.

2 Insert the 6V lithium battery (2CR5) correctly into the Battery Compartment as illustrated inside the compartment.

3 Close the Battery compartment Cover and return the key from "⊞" to its original position "⊞".



Main Switch

The Main Switch turns on and off the camera. If it is set to "ON", the camera's power switch will turn on.

If it is set to "LOCK", the power switch will turn off.

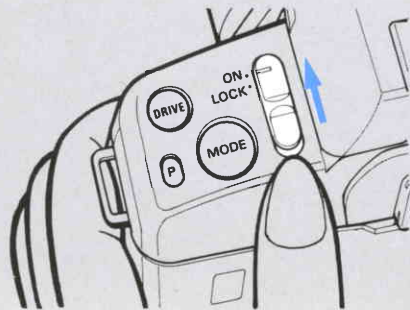
- If you are not using the camera, set the Main Switch to "LOCK" to prevent the shutter from tripping by mistake.

< Checking the Battery >

If the battery warning mark "  " does not appear in the Display Panel, it means that the battery has its normal voltage.

Battery Replacement: If the mark "  " turns on in the Display Panel, it is time to replace the battery. Open the Battery Compartment Cover and replace it with a new one.

- Though you can still take pictures even if the mark "  " turns on, it is recommended to replace the battery as soon as possible. If the battery voltage has fallen below its specified limit, the mark "  " will blink or go out and the camera will no longer operate.



Replace the battery
Batterien wechseln
Remplacez la pile
Cambie la pila



The camera does not operate
Kamera funktioniert nicht mehr
L'appareil ne fonctionne pas
La cámara no funciona

Loading the Film

1 Set the Main Switch to "ON", open the Camera Back and load the DX-coded film.

Push down the Camera Back Release Knob while pressing the button on it, and open the Camera Back.

To insert the film, first fit the recessed end of the cassette to the shaft located on top of the Film Chamber and push it in. It will thus fit smoothly into position.

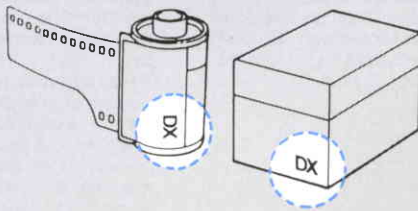
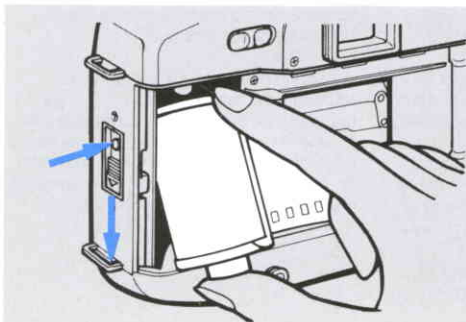
- Use DX-coded film. With DX film in the camera, the camera's film speed will be automatically set to the speed of the film you are using.

With non-DX film, the camera's film speed will be automatically set to ISO 100.

Remarks on the shutter curtain

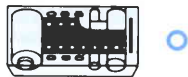
Because the shutter curtain is a precision part, never touch it with your finger or push it with the film tip. Emphatically, never trip the shutter while the film tip is on the shutter curtain.

- Take care not to touch or soil the DX Contacts and Data Back Contacts.
- When loading and unloading film, avoid direct sunlight.



2 Insert the film tip under the orange mark "—" and close the Camera Back.

Engage the film perforations with the sprocket teeth and make sure that the film is not floating up (see illustration).

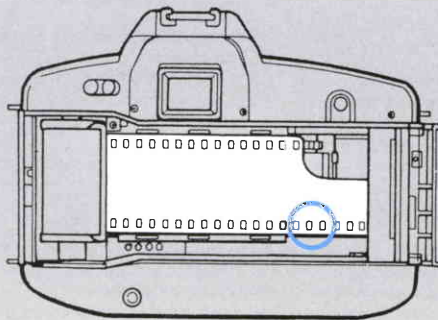


As soon as you close the Camera Back, the film will automatically advance to the first frame.

- If the film is advancing properly, the exposure counter in the Display Panel will show "1" and the cassette mark "Q—" will turn on.

If the exposure counter does not move from "0" and the mark "Q—" does not turn on, the film is not advancing properly. Open the Camera Back and load the film correctly again.

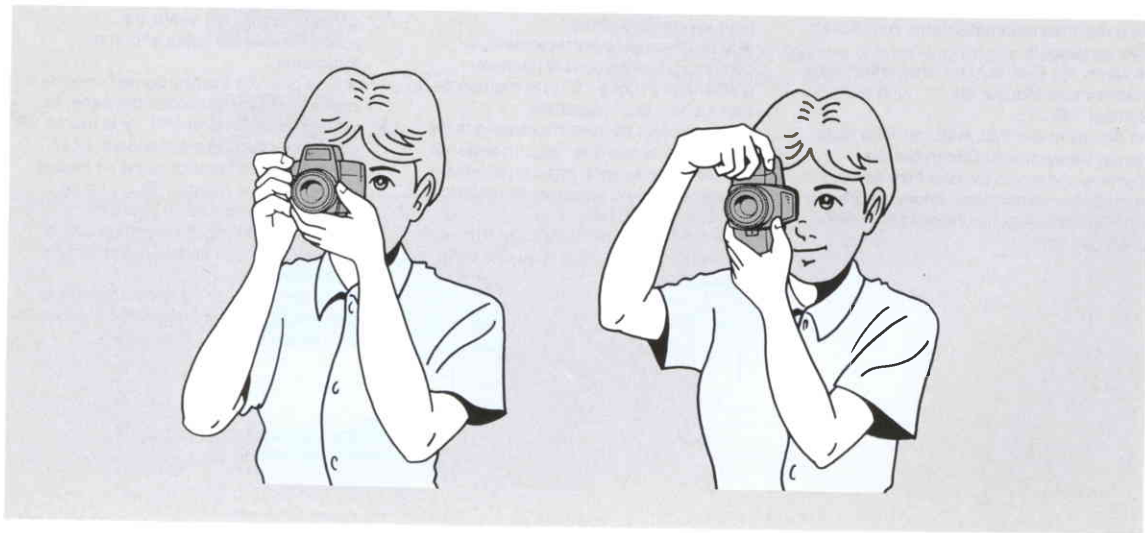
- The Film Check Window will let you check if there is film in the camera or not.



Holding the Camera

To take sharp and beautiful pictures, it is important to hold the camera still. Because camera shake is most often the cause of blurred pictures, repeat practice until you become familiar with the camera. Place the camera in the palm of your left hand, hold the camera by the grip with your right hand and put the forefinger lightly on the Shutter Release. Stick the left elbow to the body, press the

camera lightly against your face and look through the viewfinder. Relax the right hand and gently depress the Shutter Release. Depending on the composition, the camera can be held horizontally and vertically. In any case, study your comfortable camera position. It is also good to support your body or camera with a building, tree, and so on.



Setting the Shooting Modes

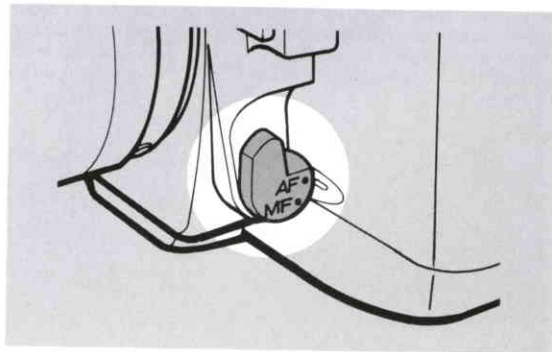
Set the three shooting modes (focus mode, exposure mode, and drive mode) depending on your shooting object and conditions as you desire.

Focus Mode	Exposure Mode	Drive Mode
AF (auto-focus)	Programmed auto exposure (PROGRAM)	Single-frame shooting "□"
MF (manual focus)	Aperture-priority auto exposure (Av) Shutter-speed-priority auto exposure (Tv) Manual exposure (M)	Continuous shooting "⌂" Self-timer "⌚" Trap focus "📍"
Set the AF/MF Selector.	Switch with the Exposure Mode Button.	Switch with the Drive Mode Button.

<1> AF/MF Selector (Focus Mode)

Choose automatic focusing or manual focusing with the AF/MF Selector.

- If you want to focus automatically, set the selector to "AF".
- If you want to focus manually, set the selector to "MF".



■ Focusing Range Selector

In auto focus mode, if the approximate distance from the camera to the subject is known beforehand, the time required for focusing can be reduced by limiting the focusing range with the aid of the Focusing Range Selector.

Each time the button is depressed, the mode will switch as shown below and the mode displayed in the Display Panel is the mode being set.

Choose your desired mode to suit your object.

Full-range focusing mode

↓ (Focusing from infinity to closest distance) 

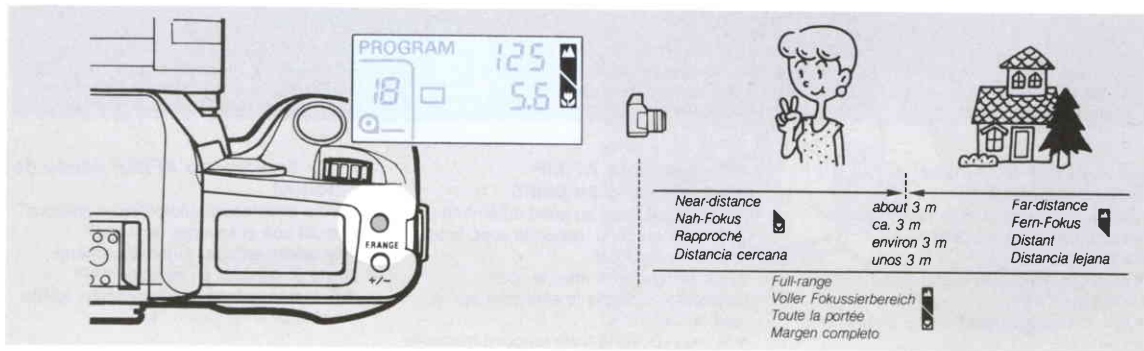
Far-distance mode

↓ (Focusing from infinity to about 3m) 

Near-distance mode

(Focusing from about 3m to closest distance) 

- The Focusing Range Selector is useful when taking pictures with a telephoto lens or macro lens.
- The focusing range mode will reset itself to the full-range mode when the Main Switch or Program Reset Button is operated.
- When an AF Converter is mounted, the focusing range which is set will be displayed in the Display Panel, but the camera will always operate in the full-range mode.



<2> Exposure Mode Button (Exposure Mode)

Each time the button is depressed, the mode will switch as illustrated and the mode displayed in the Display Panel is the mode being set.

Choose your desired mode to suit your object.

< Programmed auto exposure mode > PROGRAM

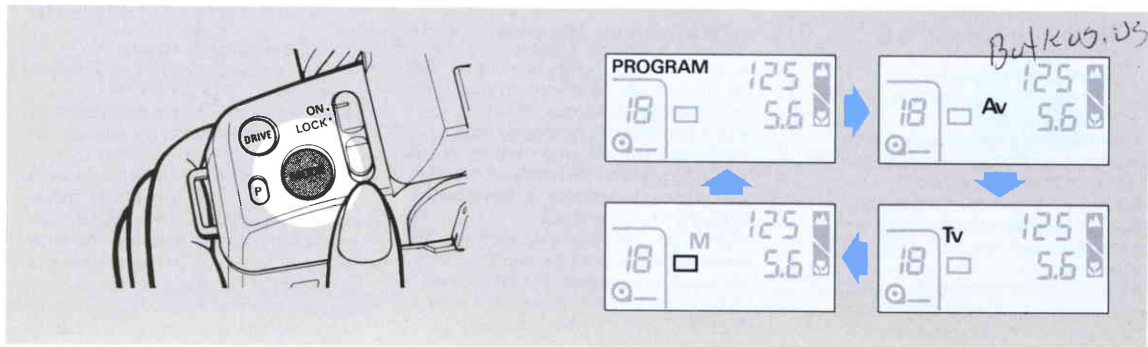
The camera will automatically set the shutter speed and aperture which have been programmed in the camera before hand to provide correct exposure.

Normally, it is convenient to set the Exposure Mode Button to "PROGRAM".

< Aperture-priority auto exposure mode > Av

If you set your desired aperture, the camera will automatically select the shutter speed required for correct exposure according to the brightness of the subject.

- Set the aperture with the Operating Lever. It can be set in 1/2-step increments from the lens' open aperture to its minimum aperture.



<Shutter-speed-priority auto exposure mode> Tv

If you set your desired shutter speed, the camera will automatically select the aperture required for correct exposure according to the brightness of the subject.

- Set the shutter speed with the Operating Lever.

It can be set in 1-step increments from 8 seconds to 1/2000 second.

If you are shooting in the "Av" or "Tv" mode, and if the shutter speed or aperture you have set cannot provide correct exposure, the camera will automatically make compensation for the exposure value to provide correct exposure.

(For details, refer to page 88.)

<Zeitvorwahl mit Blendenautomatik> Tv

Zu der von Ihnen vorgewählten Zeit stellt die Kamera automatisch die für eine richtige Belichtung je nach Helligkeit des Motivs nötige Blende ein.

- Wählen Sie die Verschußzeit mit dem Bedienungshebel vor. Sie kann in ganzen Stufen zwischen von 8 bis 1/2000 Sekunde eingestellt werden.

Wenn Sie mit "Av" oder "Tv" fotografieren und mit der vorgewählten Zeit oder Blende eine richtige Belichtung nicht möglich ist, verändert die Kamera die vorgewählte Einstellung automatisch, bis eine richtige Belichtung erzielt wird.

(Näheres S. 88.)

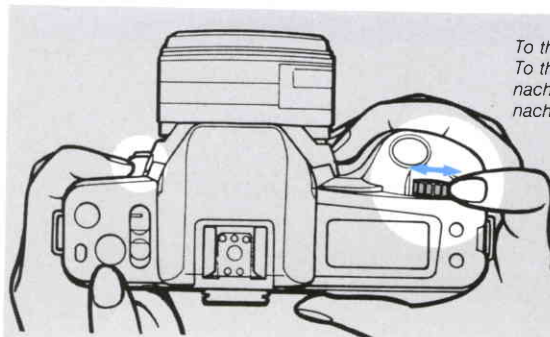
< Manual exposure mode > M

In this mode, choose your desired aperture and shutter speed.

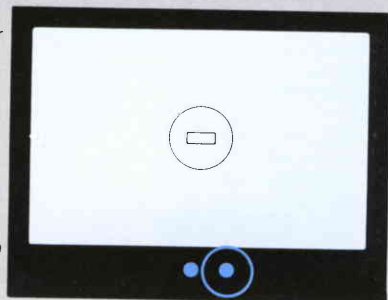
- Set the shutter speed with the Operating Lever. It can be set in 1-step increments from 8 seconds to 1/2000 second, and to "bulb".
- Set the aperture with the Operating Lever while pressing the Aperture Setting Button. It can be set in 1/2-step increments from the lens' open aperture to its minimum aperture.

In the manual exposure mode, the error from correct exposure is indicated by the exposure warning indicator in the viewfinder. It turns on to indicate correct exposure, and blinks to warn you that the exposure is not correct. As the error increases, the blinking cycle becomes slower. If the error is larger than ± 2 EV, the blinking cycle does not change.

- Change the shutter speed or aperture until the signal stops blinking.



To the right : larger number
To the left : smaller number
nach rechts : größere Zahl
nach links : kleinere Zahl
Vers la droite :
nombre F plus grand
Vers la gauche :
nombre F plus petit
Hacia la derecha :
número más grande
Hacia la izquierda :
número más pequeño



<3> Drive Mode Button (Drive Mode)

Each time the button is depressed, the mode will switch as illustrated and the mode displayed in the Display Panel is the mode being set.

Choose your desired mode to suit your object.

< Single-frame shooting mode > □

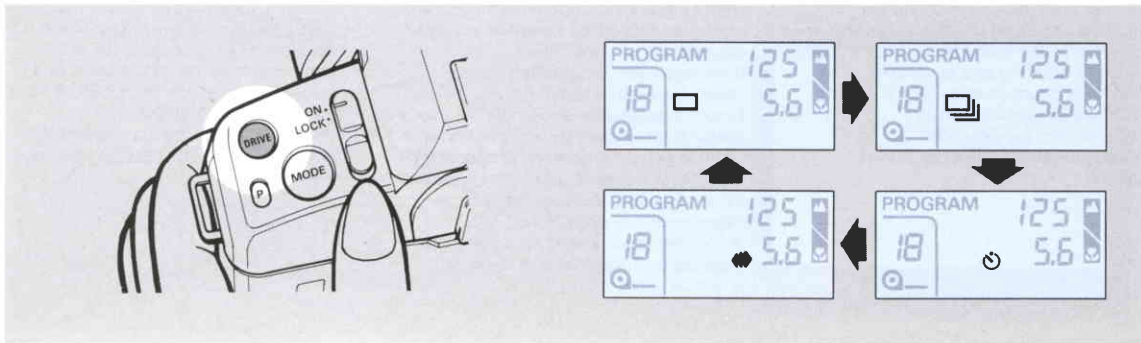
Each time the Shutter Release is depressed, a frame is exposed and the film advances to the next frame.

< Continuous shooting mode >

As long as the Shutter Release is held depressed, the camera will continue to take pictures at a rate of up to approximately 1.8 frames a second. In this case, the camera will operate with its advanced-focus function. (For details, refer to page 78.)

< Self-timer shooting mode >

As soon as the Shutter Release is depressed, the self-timer LED in the camera front will blink, tripping the shutter after about 10 seconds. (For details, refer to page 120.)



< Trap focus mode >

In this mode, the shutter will trip as soon as the camera is focused on the subject at the distance that has been set beforehand. It is useful for taking photographs of animals by ambush or moving objects at the fixed distance.

1 Set the drive mode to the trap focus mode. The Display Panel will show the mark "".

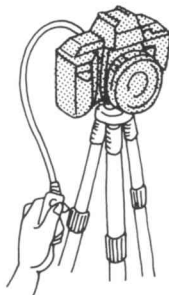
2 Set the subject distance on the camera by using the auto-focus or manual focus.

If you are using the auto-focus (AF), aim the focusing frame in the viewfinder at an object located at the same distance as your subject and depress the Shutter Release halfway. The lens will focus itself and the focus will be locked in position as long as the Shutter Release is depressed halfway.

3 Recompose your subject and depress the Shutter Release all the way, then release your finger. In this condition, the mark "" will blink, setting the trap focus in the standby condition.

- As soon as the subject arrives at the preset point and the camera is focused on it in the focusing frame, the shutter will trip.

- The camera will continue to take pictures as long as it is focused on the subject.



4 Depress the Shutter Release again. The mark "●" will stop blinking and the standby condition will be cleared.

- To take pictures with the trap focus again, repeat the above-mentioned procedure from Paragraph 2.

- It is recommended to mount the camera on a tripod when shooting in the trap focus mode, because the shooting distance is fixed.

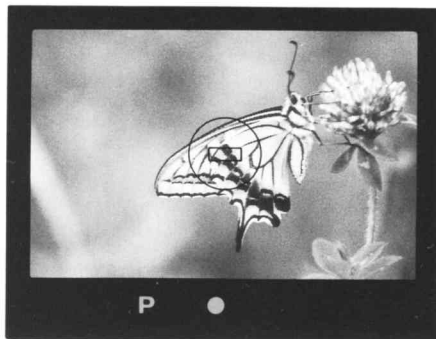
* While the trap focus is in the standby condition, the battery will consume power because the power remains on even if the shutter does not trip. After shooting with the trap focus, clear the standby condition as soon as possible by depressing the Shutter Release again.

(A new lithium battery will last about 13 hours when the camera operates continuously with the trap focus in the standby condition.)

- If you remove your eye from the viewfinder eyepiece when shooting in an auto exposure mode, use the accessory eyepiece cover to prevent extraneous light from entering through it. For details, refer to page 12.

- When shooting with the optional cable release, focus the lens manually.

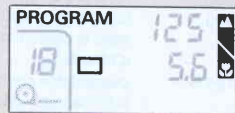
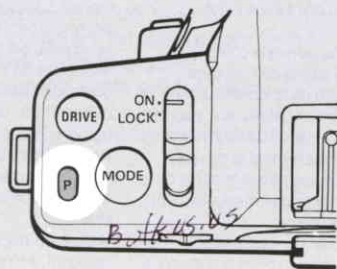
- When using an AF Converter, take pictures with the auto-focus.



■ Program Reset Button

When the Program Reset Button is depressed, the exposure mode will be reset to the program mode, the drive mode to the single-frame shooting mode, the exposure compensation to "0" (no compensation), and the focusing range to the full-range mode.

If you are using the camera for the first time or want to shoot immediately, set the AF/MF Selector at "AF" and press the Program Reset Button. The camera will take care of all the rest to take pictures for you.



Taking Pictures

1 Set the Main Switch to "ON".

2 Focus the lens.

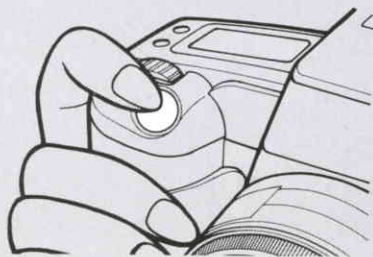
Auto-focus mode: AF/MF Selector at "AF"

Aim the focusing frame at your subject and depress the Shutter Release halfway. The lens will drive to focus itself. If you are shooting in the single-frame shooting mode, the sharp-focus LED (green) will turn on in the viewfinder when the subject is sharply focused by depressing the Shutter Release halfway, and you will hear an electronic sound. Thus, you can make sure your subject is in sharp focus, and the focus will be locked in this position.

If you are shooting in the continuous-shooting mode, the focusing operation will continue as long as the Shutter Release is held depressed halfway. Check the sharp-focus LED (green) and shoot.

In this mode, you won't hear an electronic sound when the subject is sharply focused.

● If the sharp-focus LED blinks, the shutter does not trip, when the drive mode is set to the single-frame mode "□", self-timer mode "⌚", or trap focus mode "📷". The shutter trips when the camera is operating in the continuous-shooting mode "📷".



- Sharp-focus LED in the viewfinder.
- Fokus-Bestätigungs-LED im Sucher.
- LED de bonne mise au point dans le viseur.
- LED de enfoque correcto del visor.



Lights up when the subject is in sharp focus.
Leuchtet, wenn Scharfeinstellung erfolgt ist
S'allume lorsque le sujet est bien net.
Se enciende cuando el sujeto está nítidamente enfocado.



Blinks when focusing is not possible.
Blinkt, wenn Fokussieren nicht möglich ist.
Clignote lorsque la mise au point n'est pas possible.
Parpadea cuando el enfoque no es posible.

Manual-focus mode: AF/MF Selector at "MF"

In this mode, focus the lens while watching the image on the Matte Screen.

While looking through the viewfinder, turn the lens' focusing ring until the image of the subject on the Matte Screen appears sharp. If the subject is not in sharp focus, you will get a blurred image.

- The sharp-focus LED (green) in the viewfinder will turn on when the subject is sharply focused.

You won't hear an electronic sound, however.

- The distance can also be set on the distance of the lens.

- If you are near- or far-sighted, use an optional FL type diopter lens. The following eight types of lenses are available: -5, -4, -3, -2, 0, +1, +2, and +3 diopters.

3 Check the exposure.

Depress the Shutter Release halfway to check exposure in the viewfinder.

In an auto exposure mode (PROGRAM, Av or Tv), you will get correct exposure if no exposure warning signal appears in the viewfinder. Take your picture by depressing the Shutter Release all the way.

- If the exposure warning LED (red) blinks intermittently, camera shake is likely to occur because the shutter speed is too slow. Use flash, or mount the camera on a tripod to prevent camera shake.

- If the exposure warning LED (red) blinks continuously, your picture will be over or underexposed.

If it blinks when shooting in daylight, it indicates overexposure. So, use an ND filter or a film with a slower speed.

- If it blinks when shooting at night, it indicates underexposure. So, use flash or a faster film.

- The shutter speed and aperture will be displayed in the Display Panel.

4 Take your picture by depressing the Shutter Release all the way.

Rewinding the Film

If the entire roll of film has been exposed, the film will stop winding and the exposure counter and the cassette mark "⊙—" in the Display Panel will blink.

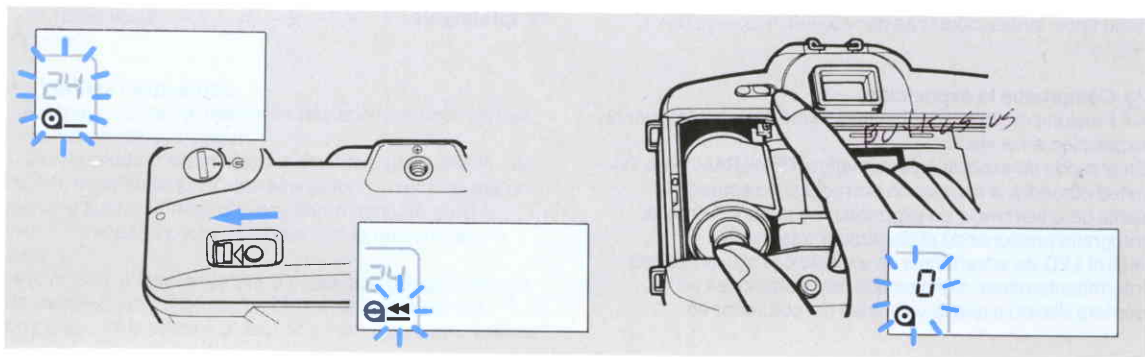
1 With the Main Switch at "ON", slide the Film Rewind Switch in the direction of the arrow while pushing on the button beside it.

The mark "⊙" appears in the Display Panel and the film starts rewinding ("◀" blinks). While the film is rewinding, the exposure counter still shows the number of exposures that have been taken.

- Remove your finger from the rewind switch if rewinding has started.
- The film can also be rewound in the middle of a roll.
- Do not switch the Main Switch to "LOCK" (OFF) while the film is rewinding.

2 Take out the film when rewinding is completed.

As soon as rewinding is completed, the motor will stop automatically and the number "0" on the exposure counter and the mark "⊙" in the Display Panel will blink.



-
- Avoid direct sunlight when unloading the film.
 - After the film has been rewound, be sure to unload the film. Once the Camera Back has been opened, the camera will no longer operate.
 - Take the exposed film for processing as soon as possible.
 - Because the shutter curtain is a precision part, never touch it with your finger or push it with the film tip.

-
- Evitez les rayons directs du soleil pendant le déchargement du film.
 - Lorsque le film a été rembobiné, toujours déchargez le film. Lorsque le dos de l'appareil a été ouvert, ce dernier ne fonctionne plus.
 - Faites développer le film exposé dès que possible.
 - Comme le volet de l'obturateur est une pièce de précision, ne jamais le toucher avec les doigts ni le pousser avec l'extrémité du film.

-
- Vermeiden Sie direktes Sonnenlicht beim Filmwechsel.
 - Nehmen Sie den Film nach dem Zurückspulen sofort heraus. Nach dem Öffnen der Rückwand funktioniert die Kamera erst wieder mit neuem Film.
 - Berühren Sie die empfindlichen Verschlusslamellen nicht und lösen Sie nicht aus, wenn die Filmflasche auf dem Verschluss liegt.
 - Lassen Sie den belichteten Film sobald wie möglich entwickeln.

-
- Evite la luz directa del sol cuando descargue la película.
 - Después de que la película se haya rebobinado, asegúrese de descargarla.
 - Una vez se ha abierto el respaldo de la cámara, la cámara no se podrá operar.
 - Puesto que la cortina del obturador es una parte de precisión, no la toque nunca con el dedo ni la empuje con la punta de la película.