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Instructions

Mamiya 7 II

READ ME FIRST

The camera is shipped with the light shield curtain in the open position.

Therefore you cannot remove the body cap unless you close the curtain first.

Please read page 10 of the instruction book first.

The camera will not function without a battery. Please read pages 8 and 9 next.

You will want to practice with the camera without film. This can be done in two ways. Either leave the back cover open or set the Multi Exposure Lever to Multi.

The instruction book was written for the black finished camera. Subsequently a silver model was added. The white index marks and dots on the black model appear in black on the silver model.

Congratulations on your purchase of the Mamiya 7 II and welcome to the world-wide family of happy Mamiya camera owners !

Mamiya pioneered the 6x7cm medium format SLR system camera when it introduced the first Mamiya RB67 in 1970. In 1982 an additional model followed, the Mamiya RZ67 with electronic features.

Both cameras soon became the market leaders and the preferred tool of trade for portrait, commercial and magazine photographers all over the world and established the 6x7 rectangular image as the "ideal format".

Now we are proud to present the Mamiya 7 II, 6 x 7cm rangefinder camera.

Reflecting Mamiya's traditional quality workmanship plus modern design, the Mamiya 7 II is compact and lightweight. It offers the handling ease of a 35mm camera, while yielding far superior 4.5 times larger images. Featuring interchangeable, rangefinder coupled lenses and AE metering, it also permits taking 24 x 65mm panoramic images on 35mm film, by means of an optional adapter kit.

The Mamiya 7 II lens program includes a standard 80mm lens, a 50mm and 65mm wide angle lens, an ultra-wide 43mm lens and a 150mm telephoto lens.

The Mamiya 7 II and its lenses have undergone extensive quality controls at every step of manufacture. Please read this instruction manual thoroughly before you use the camera. A proper understanding of all its features and functions will eliminate potential misuse and ensure a long service life.

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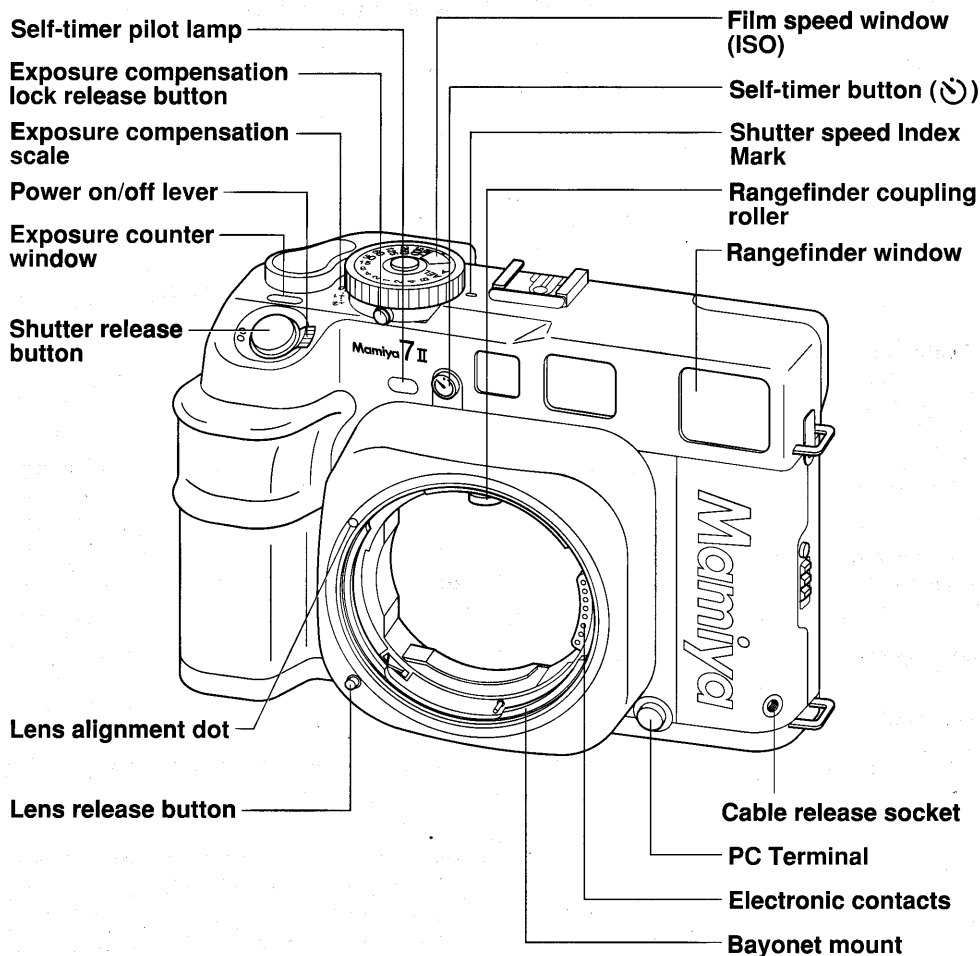
Mamiya 7 II, the ultimate 6x7 rangefinder camera

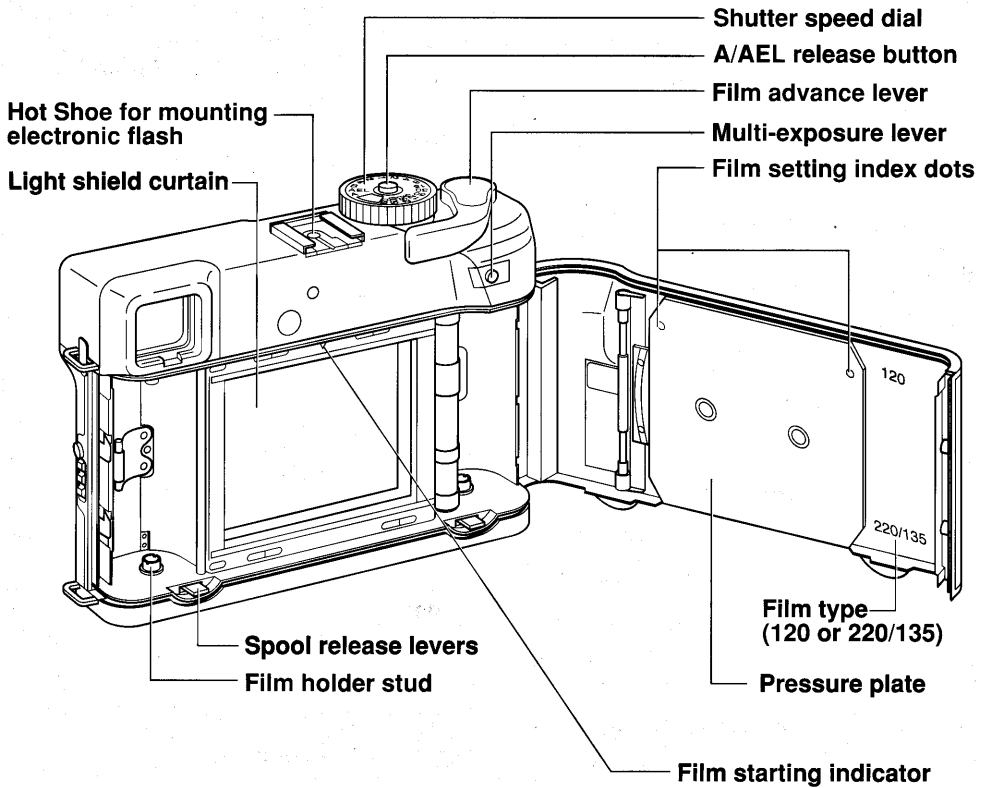
The Mamiya 7 II is the only camera in the world that has these exclusive features:

- Ideal 6x7cm film format that enlarges to standard photographic and industrial paper sizes without cropping and without wasting film. A size that can be viewed with the naked eye and that is easy to retouch.
- Lightweight, compact, "quick on the draw" and ergonomically designed to fit in your hand like a glove.
- Crisp, accurate, broad based, split-image rangefinder, that is easy to focus, even in poor light.
- Bright viewfinder with frame lines that are automatically indexed to match the focal length of lens in use and that automatically adjust for parallax.
- Interchangeable, world-class Mamiya lenses, utilizing the latest optical glasses and computer aided design and that take advantage of the camera's short flange focal distance (there is no mirror box) to reach new heights in lens quality.
- Precision, super quiet, electronic shutter with speeds from 4 to 1/500 sec., flash synchronized at all speeds.
- Built-in "dark slide" curtain that permits changing lenses with film in camera.
- Precision AE (automatic exposure) meter with manual overrides.
- Self-timer (delayed action release) with automatic turn-off.
- Optional external battery case to wear inside clothing in extreme cold.
- Optional panoramic adapter that permits use of 35mm film and yields 24x65mm images.
- Built with typical Mamiya quality for hard professional use and long service life.

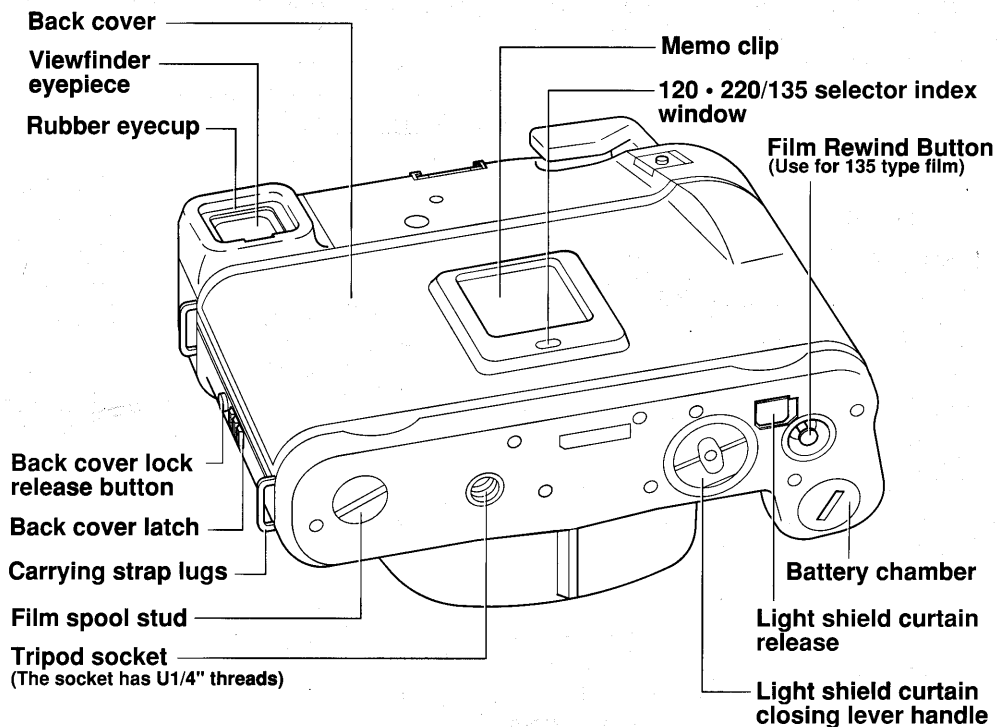
Nomenclature Parts

Camera Body

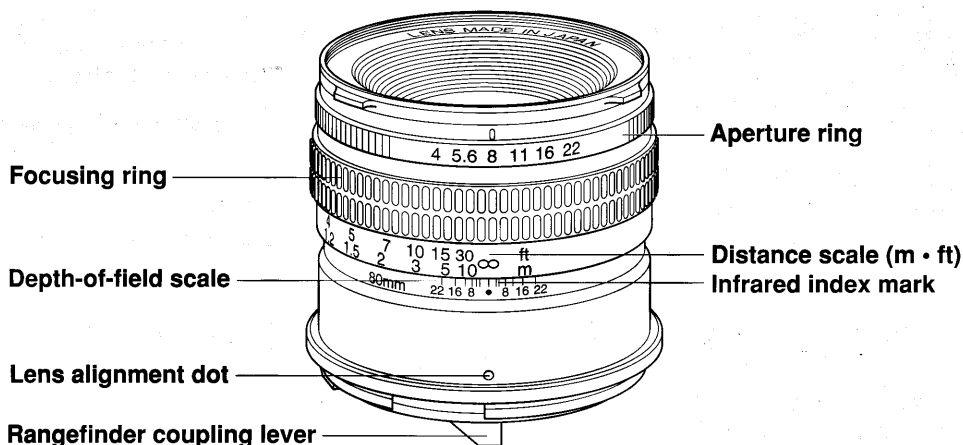




Nomenclature Parts

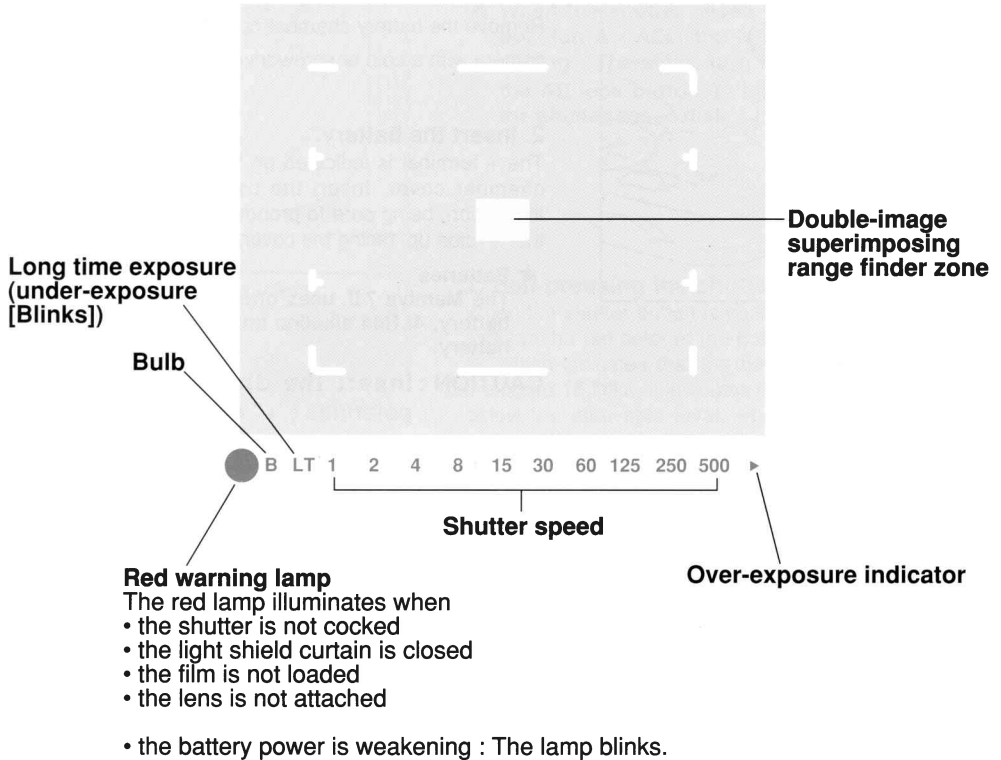


Lens



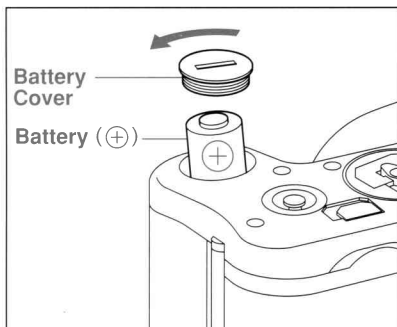
Viewfinder display

Bright field of view frame with 80mm F4 standard lens



Inserting Battery

The camera will not function without a battery.



1. Remove the battery cover.

Remove the battery chamber cover on the bottom of the camera with a coin or screwdriver.

2. Insert the battery.

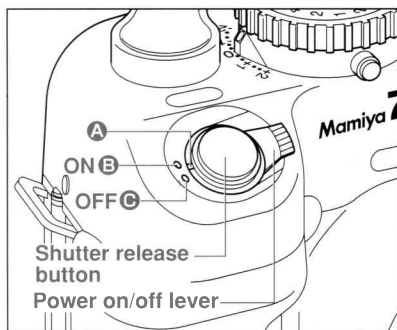
The + terminal is indicated on the inside of the battery chamber cover. Insert the battery as shown in the illustration, being sure to properly place the battery with the "+" side up, facing the cover.

★ Batteries

The Mamiya 7 II uses one of 4SR44 silver oxide battery, 4LR44 alkaline battery or 2CR1/3 lithium battery.

CAUTION : Insert the direction of battery polarities ("+" and "-") correctly.

Power ON/OFF



Power ON

To turn the Power ON, align dot ① on the power switch lever with the dot ② on the camera body.

Power OFF

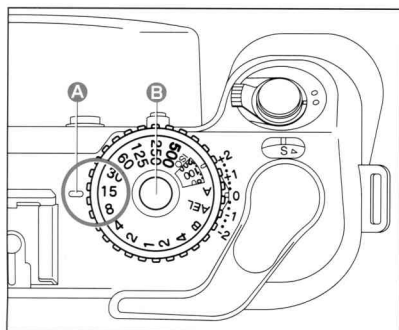
To turn the Power OFF, align dot ① on the power switch lever with the dot ③ on the camera body.

Shutter release button

The shutter release button is designed so that pressure can be applied in two stages. When it is lightly touched, correct metering data is displayed on the bottom of the view finder. When it is depressed all the way, the shutter is released and an exposure is made.

The LED's are located at the bottom of the finder in order not to interfere with the field of view of the wide angle lens.

Battery Check



1. Set the shutter speed dial at 15.

Turn shutter speed dial and set the figure 15 at the dot ①.

- ★ When the shutter speed was already set at the position A · AEL, the lock mechanism is functioning. Therefore, turn the dial while pressing the AE lock button ② locating at the center of the shutter speed dial.

Battery capacity is sufficient.



Illuminates 15

2. Half-pressing the shutter button.

When the shutter button is touched gently, the figure 15 lights in the red color at the bottom part in the viewfinder, which indicates that the battery power is normal. If the figure 15 links, it indicates drop of the battery power below the allowable level, when prepare for the new battery. When the battery power drops further, the figure 15 will not blink, and warning LED blinks. Replace the battery with a new one.

- ★ Other than set figure 15, “▶” blinks and warning LED lights, but check and confirm only set figure 15.

- ★ Battery check can be done not only shutter speed at 15 but also other shutter speeds, viz: B · 1/1 to 1/500.

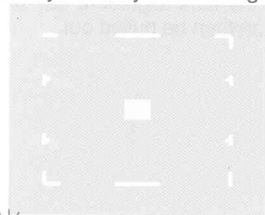
- ★ Even when AE photographing, the battery check can be done with the shutter speed indicated in the viewfinder.

Battery capacity drops.



Blinks

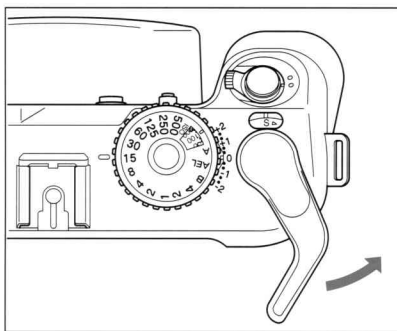
When the Battery is badly weakening.



Blinks  Red warning lamp

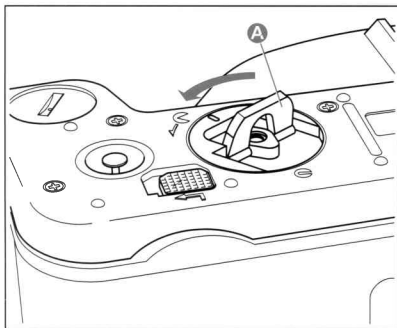
Mounting/Removing Lenses

Closing the light shield curtain



1. Cock the wind-up lever.

After cocking the shutter, close the light shield curtain.



2. Close the light shield mask.

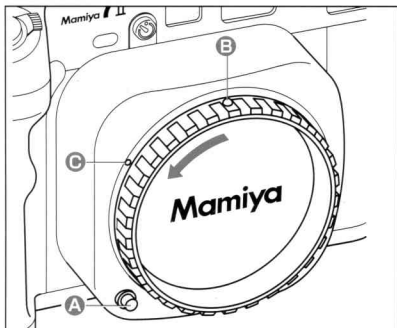
Set upright the light shield curtain closing lever handle (A) and turn it from the open position (☺) following arrow direction and fit the white index line on the lever to the (☹), the light shield curtain will be closed. After the motion, bring down the light shield closing curtain lever handle.

★ The light shield curtain closing lever is ratchet type. Do not stop turning without going all the way. Be sure to turn until it clicks and stops.

If your finger is removed from the light shield curtain closing lever immediately before its stopping, it sometimes return to its original position.

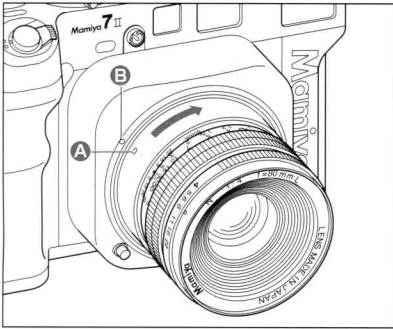
If the lever is brought halfway and left, the lens removing button cannot be pressed.

Removing camera body cap



While pressing the lens release button (A) in, rotate the cap counterclockwise, and align the groove (B) on the cap's side with the lens alignment dot (C) on the body. The body cap can then be pulled out.

Mounting lens

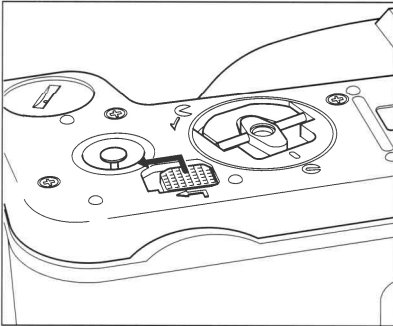


1. Mounting lens.

Align Lens Alignment Dot (A) with the Camera Alignment Dot (B). Insert the lens into the camera body. Then turn the lens in the direction of the arrow (clockwise) until it clicks and locks into place.

★ **Remove the front and rear lens caps. The front lens cap can be removed by pressing in the tabs on the right and left with your fingers and pulling the cap towards you.**

The rear lens cap can be removed by rotating it counterclockwise.



2. Opening the light shield curtain.

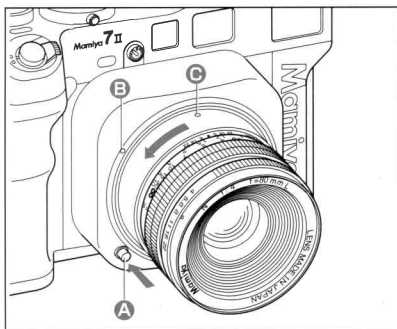
To open the light shield curtain, slide the light shield curtain release lever along to follow the arrow "➡" down and right. This will cause curtain to snap open. The light shield lever indicator- (a white line) is then aligned with "☺".

★ **When the light shield curtain is closed, the shutter cannot be released. When taking a picture, open the light shield curtain.**

Removing lens

1. Cock the shutter and close the light shield curtain.

After cocking the shutter, close the light shield curtain just as same as mounting the lens.

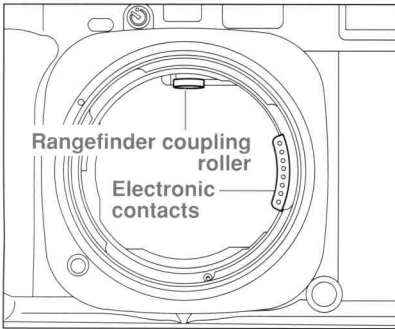


2. Remove the lens.

While pressing the lens releasing button (A), turn the lens in the arrow direction until the lens alignment dot (B) lined up with the alignment dot (C) on the camera body, and pull out the lens.

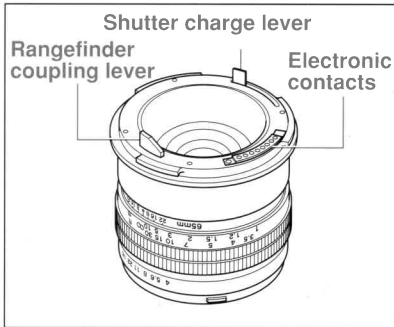
- ★ **Never touch the light shield curtain. If touched, light leakage or a malfunction may result.**
- ★ **When removing a lens from the camera in which the film is loaded, do not move the light shield releasing lever. If this lever is moved, the film will be exposed to the light.**
- ★ **When the light shield curtain is open the lens cannot be removed. Close the curtain to remove the lens.**
- ★ **When the lens has been removed and film remains in the camera body avoid exposure to direct sunlight as film fogging may result.**
- ★ **Put the front and rear lens cap on the lens when the lens is removed.**

Precaution for mounting/removing lenses

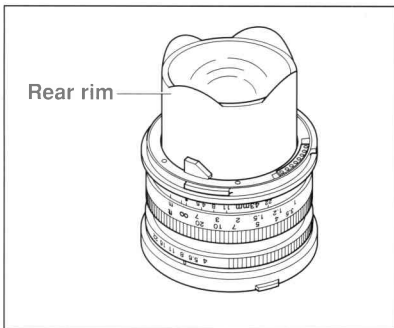


1) As the rangefinder coupling roller is precisely adjusted, be sure not to touch with your hand or move it with finger.

2) Gold plated electronic contacts are located inside the bayonet mount and at the rear of each lens. If oil, dirt, or other foreign matter collects on the contacts, poor electronic information transfer may result. When soiled, use a clean cloth to wipe them.



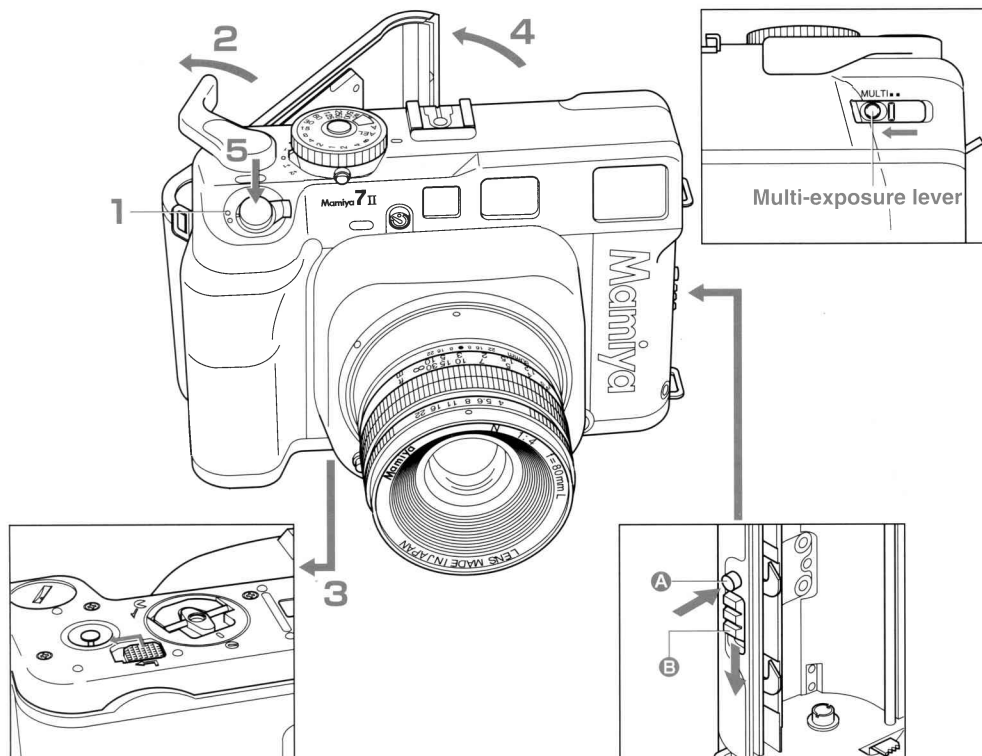
3) Be careful not to damage the rangefinder coupling lever and the shutter cocking lever at the rear of each lens.



4) When mounting the 43mm, 50mm and 65mm wide angle lenses make sure that the rear lens rims do not touch the rangefinder coupling roller.

Position the front face of the lens which has been removed as shown in the left illustration.

Camera Functional Test



Before using the camera, it is advisable to understand how it works.

- ① Power on/off lever Set to ON. (See page 8)
 - ② Film advance lever Wind the lever to cock the shutter.
 - ③ Light shield curtain Open.(See page 11)
 - ④ Back cover Open.(See page 15)
- (The shutter can be released without opening the back cover while the “Multi-exposure lever” is being shifted to “MULTI” position. Be sure to return the “Multi-exposure lever” to original position after completion of the test.) (See page 32)
- ⑤ Release the shutter (See page 26)

Note:

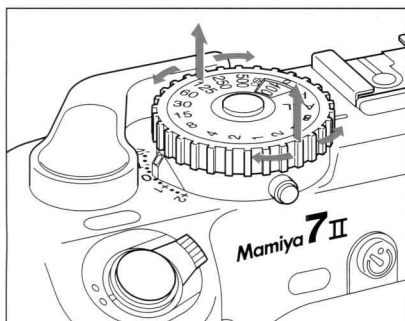
If the shutter is not released, red warning lamp in the viewfinder will light; repeat steps ② to ④ again.

Tip:

To observe the function of the shutter release and the interaction between the light shield curtain shutter and lenses, you need not load film in the camera. Just leave the back cover open:

Before Loading the Film

Setting the film speed



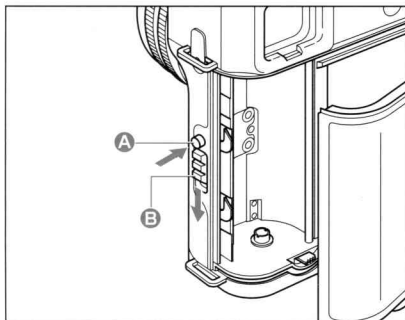
Set the film speed of the film being used by lifting up the outer rim of the shutter speed dial and rotate it until the correct ISO value appears in the window.

★ Be sure to set the exact film speed, as otherwise incorrect exposure will result.

ISO

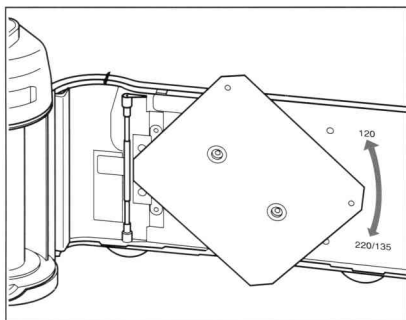
25 • • 50 • • 100 • • 200 • • 400 • • 800 • • 1600
 (32)(40) (64)(80) (125)(160) (250)(320) (500)(640) (1000)(1250)

Opening/closing the back cover



While depressing the back cover lock button (A), simultaneously push down the lock lever (B) in the direction of the arrow and the back will open. When closing the back cover, securely press both corners until it clicks.

Setting the film type



This camera can use either 120 or 220/135 film. To set for the type of film used, simply rotate the pressure plate in either direction of the arrow until the white dot is at “120” or “220/135”.

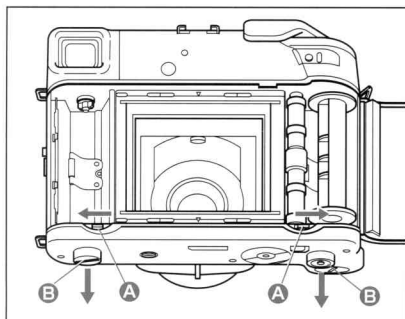
When set, “120” or “220/135” will appear in the small window under the memo clip on the rear of the camera.

The number of exposures on the film counter is automatically set at 10 for 120 film and 20 for 220 film, according to the position of the pressure plate.

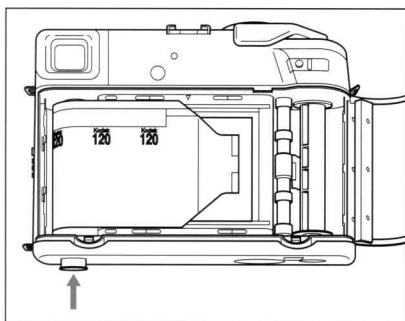
Memo clip



This memo clip on the back cover is used to hold the film box tab to serve as a convenient reminder of the type of film in the camera or for recording other data.

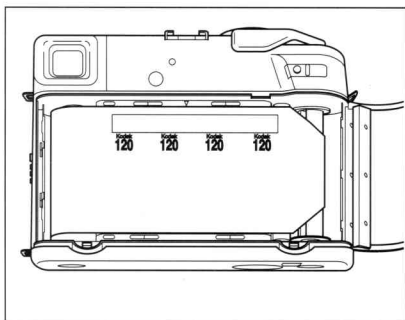
**1. Operate the spool bearing release lever.**

Push the spool release lever (A) on right side to the right, and install the take-up spool in the take-up spool chamber (B), top first, then push the lower spool stud up.

**2. Place the film in the film chamber.**

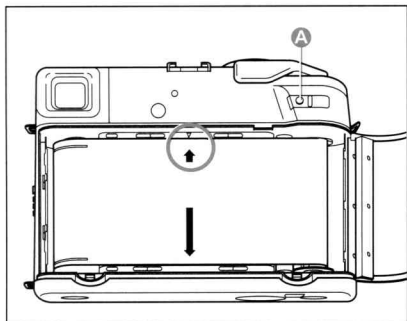
Like installing the take-up spool, push the spool release lever on left side to the left, place a roll of film in the film chamber, making sure it seats properly. Make sure the backing paper is in the position illustrated above, black side facing the lens, colored side towards the back.

When the new roll has been inserted, be sure to reset the lower spool stud by pressing it in. (Also, be sure to reset the take-up spool stud in a similar manner.)

**3. Insert the film into the groove of the spool in the wind-up chamber.**

Pull out the backing paper, and insert the tip into the slot on the take-up spool as pictured.

Loading the Film

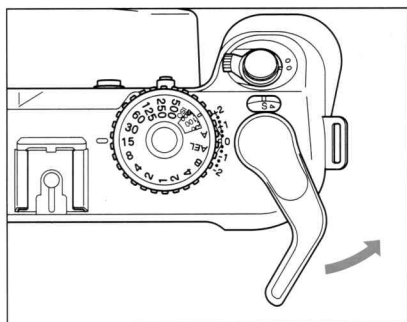


4. Align the start mark of the film with the start mark on the body.

Wind the film advance lever until the small arrow (the starting indicator on the backing paper) aligns with the film starting indicator (▼) on the camera body. Then close the back cover.

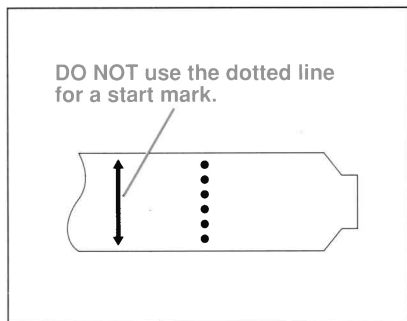
★ Thread the paper leader on the empty take up spool so the film will be wound evenly and parallel. This will prevent the film from winding loosely or over the edge of the spool, which can cause light leaks and film fogging.

★ If the multi-exposure lever (A) is shifted to "MULTI" position, film will not advance.



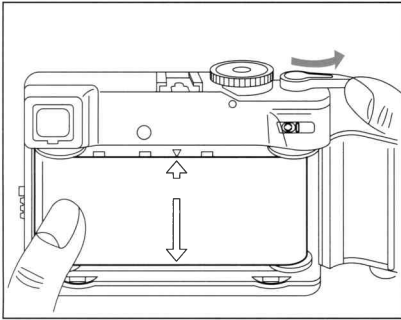
5. Wind up the film advance lever.

Wind the film advance lever until it stops automatically and "1" appears in the exposure counter window.



Setting Start Mark with 220 Roll Film

To assure even frame spacing, and prevent overlapping, be sure to wind the film up to the printed arrow start mark, which appears after the dotted line.



Prevention of Light Leaks Due To Loose Film Winding

- ★ Use your left thumb to press lightly on the paper leader while advancing winding lever slowly to assure smooth and tight film take-up on the empty spool. Advance the film and align the printed arrow start mark with the small triangle start mark on the camera. Then close the camera back.

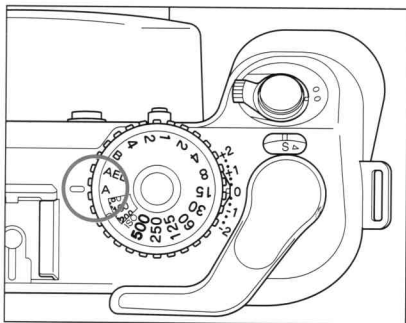
For preventing the film loose winding

- When any other numeral than “S” appears in the exposure counter window, it is an indication that the film is loaded. So do not open back cover.
- If the film is not properly aligned with the “▼” indicator, the film may be improperly loaded and cause spacing problems.
- When a 6EX roll film (5 exposures) is used, the procedure of loading the film is the same as with 120 roll film.
- Make sure backing paper advances evenly between the spool flanges and does not begin to slant. If it advances unevenly, remove the backing paper from the take-up spool and start over again.
- Do not pull excessively on the backing paper, and do not load/unload the film in direct sunlight: bright light may fog the film.
- Before loading the film to the camera, be careful of the film looseness.
- When photographing with the 135 Panoramic Adapter, see its instructions.

Taking Photographs

AE (Automatic Exposure) Photography

The aperture priority metering device is incorporated into the rangefinder system. The correct shutter speed for the preselected aperture will automatically be determined.

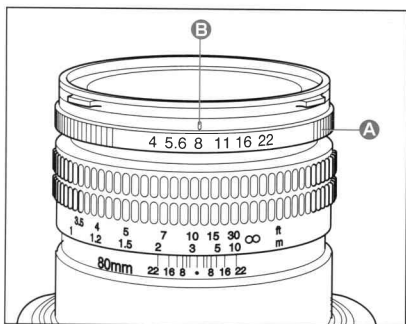


1. Align "A" on the shutter speed dial.

Align "A" on the shutter speed dial with the white line index mark on the camera body.

2. Setting the film speed.

Set the film speed by lifting up the outer rim of the shutter speed dial and rotate it until the correct ISO value appears in the window.



3. Set the aperture.

To set the diaphragm to a desired aperture, rotate the aperture ring (A) until the appropriate figure is aligned with the central red index line (B).

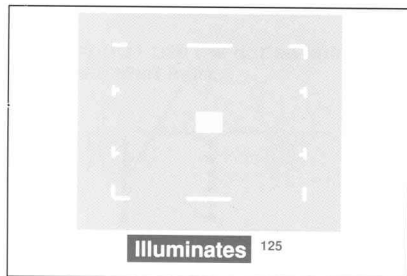
★ Click stops are provided at each engraved aperture number but the diaphragm can be set also for intermediate stops.

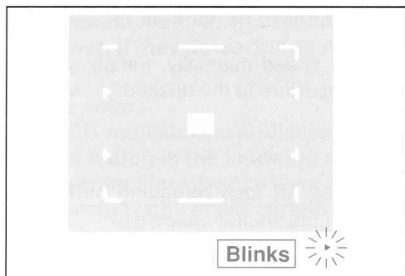
★ At A or AEL, the dial is locked. The lock can be released by pressing the AE lock release button in the center of dial.

4. Half-pressing the shutter button.

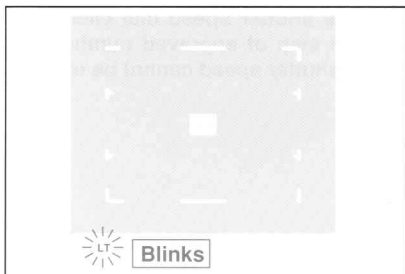
When the shutter release button is slightly touched, an LED indicating proper exposure will automatically light in the viewfinder.

When it is depressed all the way, the shutter is released and an exposure is made.





- ★ When “▶” LED blinks, it indicates overexposure. Rotate the aperture ring to stop down to a smaller f/stop until an LED indicates proper exposure.



- ★ Blinking “LT” indicates under-exposure: rotate the aperture ring until the LED stops blinking to increase exposure.

- ★ Illuminating “LT” indicates that the shutter is set for a relatively long exposure from between 1 to 4 seconds.

When taking pictures at such slow speeds you must be able to hold the camera very steady, or increase aperture to obtain higher shutter speeds, or best of all, use a sturdy tripod.

- ★ Under AE (automatic exposure) or AEL (AE lock), the LED display in the viewfinder will continue to operate as long as the shutter release button is touched slightly. When you take your finger off the button, the LEDs will go out.