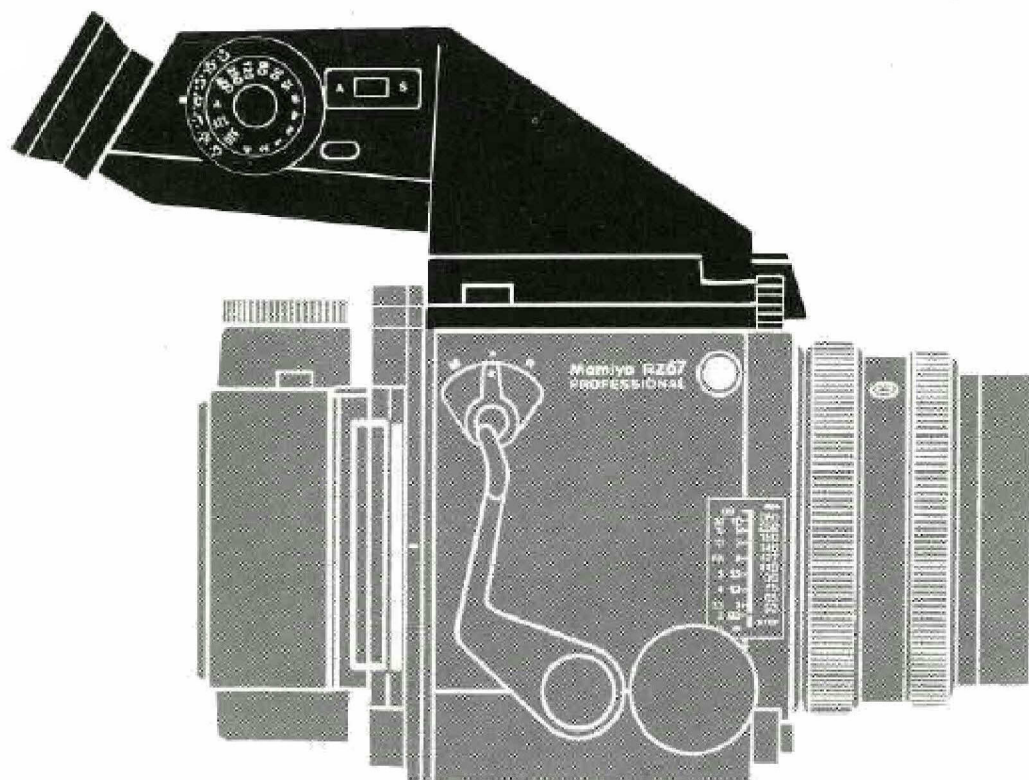


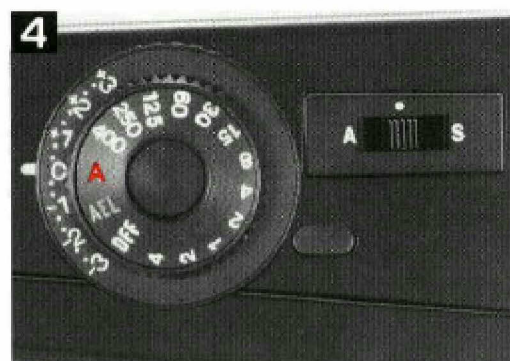
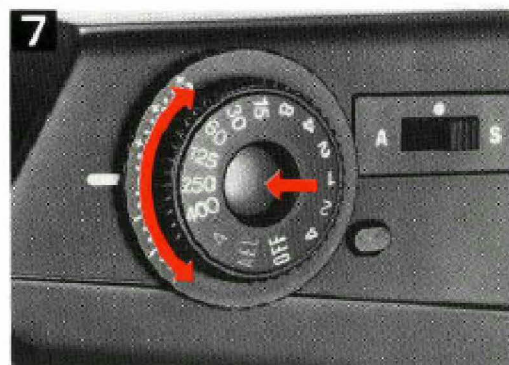
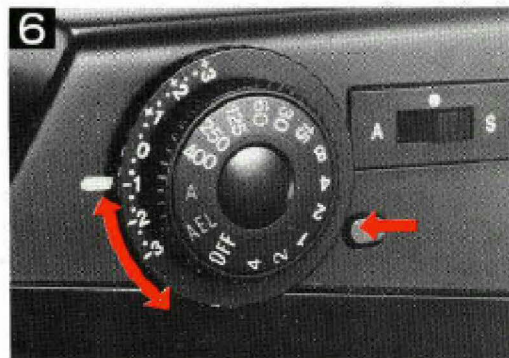
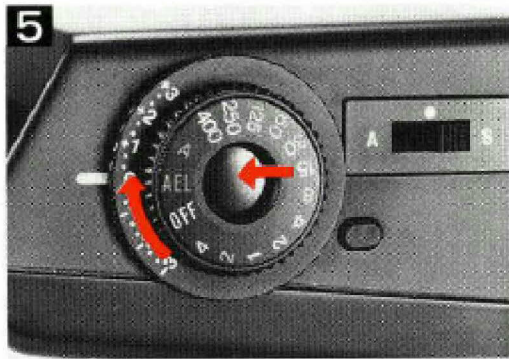
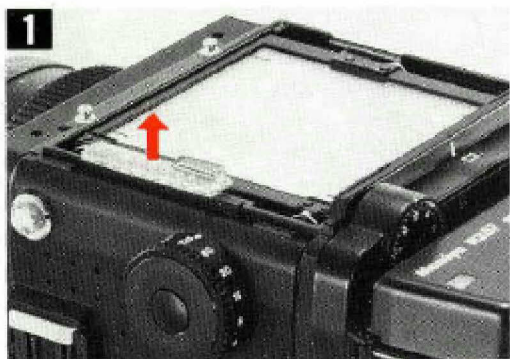
RZ67 PROFESSIONAL

Mamiya

AE Prism Finder RZ



English Instructions



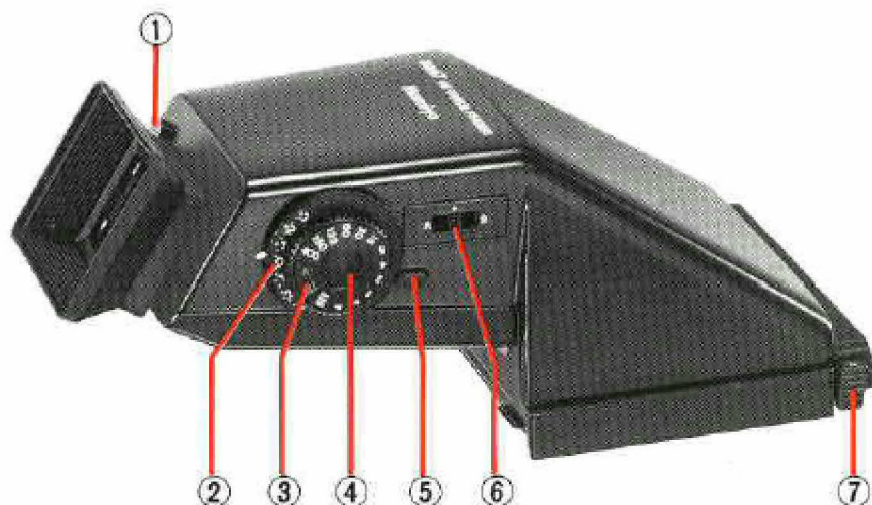
AE Prism Finder RZ

Special Features

1. AE Prism Finder RZ is of roof prism design, providing an unreversed, laterally correct image and quartz-controlled aperture-priority automation, with shutter speed and metering mode readout in the viewfinder.
2. In the AE mode, perfect pictures are now possible after merely focusing the lens and releasing the shutter.
3. A metered manual mode is also provided for match-LED operation or exposure compensation.
4. The user can select from three AE metering systems: Spot, Averaged, Auto-Shift (automatic changeover from Spot to Averaged or vice-versa).
5. The user has three options for exposure compensation control: AE Lock, Exposure Compensation Dial (± 3 stops), metered manual operation.

Nomenclature

1. Eyepiece Blind Lever
2. Exposure Compensation Dial
3. Shutter Speed Dial
4. Auto Lock Release Button
5. Exposure compensation Dial Lock Release Button
6. Metering Mode Selector
7. Finder Lock Button



Attaching AE Prism Finder RZ

1. Remove the Focusing Hood from the RZ67 camera body. Also remove the Electrical Contact Cover (Fig. 1), if present, for the AE Prism Finder cannot be attached with it in place.
2. To attach AE Prism Finder RZ, slide the two rear catches at the base of the finder into the groove of the camera body. Next, while pressing the Finder Lock Buttons toward the rear of the finder, press them inward, and after lowering the finder on the camera body, release them (Fig. 2).

Because of a double safety lock, the AE Prism Finder cannot be removed with a single squeezing action of the Finder Lock Buttons; they must be pressed both backward and inward in order to remove the finder.

How to Use the AE Prism Finder

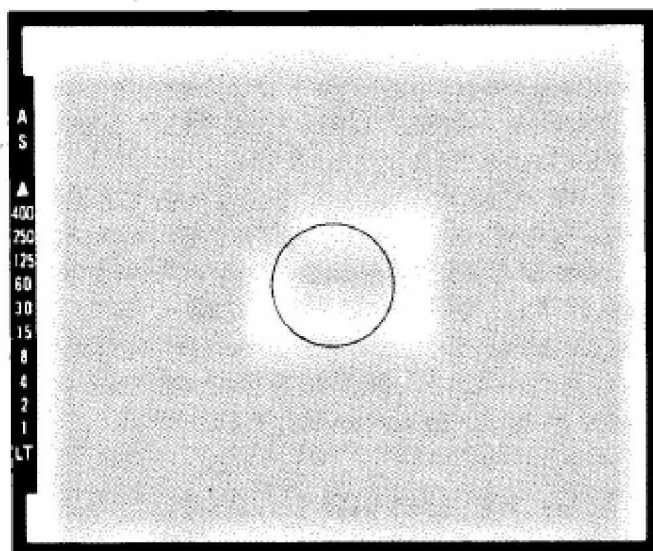
1. Set the Shutter Speed Dial of the camera body at the click-stop (●) between "B" and 400, which is the AE position (Fig. 3). At any other setting of the Shutter Speed Dial, electronic coupling will not take place, making the AE Finder inoperative.
2. Align the "A" on the Shutter Speed Dial of the finder with the index, locking the dial in place for aperture-priority AE operation (Fig. 4).
3. Ascertain whether or not the Film Speed Dial of the Film Holder or G Adapter is set for the correct film speed.
4. Set the Metering Mode Selector to "A" for Averaged-metering, "S" for Spot-metering or to the central white dot for Auto-Shift exposure measurement.

An exposure measurement is made of the entire field when the Metering Mode Selector is set to "A" and a selective reading is made of the central area when set to "S". When set to the Auto-Shift mode, the exposure measurement system will automatically select Averaged or Spot metering, making accurate exposure readings in accordance with the conditions of the subject.

5. After selecting the aperture and depressing the Shutter Release Button half-way, LED's will illuminate in the viewfinder, indicating both the metering mode ("A" or "S") and the appropriate shutter speed for the preselected aperture.

Continue pressing the button all the way down to release the shutter.

- When "LT" illuminates, it indicates correct exposure of over one second, but no longer than four seconds.
- When the triangle above 400 flickers 8 times per second, it indicates over-exposure. Similarly, when "LT" flickers 8 times per second, it indicates under-exposure.
- When using the Auto-Shift mode, either "A" or "S" will illuminate, indicating which of the two modes the metering system has automatically selected. However, both "A" and "S" will simultaneously illuminate when the area measured



by the Spot-metering system is 0.75 – 1.5 EV (3/4 to 1 1/2 stops) darker than that measured by the Averaged-metering system.

- If any of the shutter speed LED's flash slowly (twice per second), it indicates a weak battery which should be immediately replaced.
- In contrast to that seen with the Focusing Hood, the position of the camera body Monitor Lamps appears reversed when seen through AE Prism Finder RZ.

Hints on Selecting the Metering Mode

1. When photographing a subject indoors by a bright window or outdoors against a bright sky or snowscape and using Averaged-metering, the bright background will unduly influence the meter reading, resulting in underexposure of the subject. Under such conditions you can accurately expose for the subject without the adverse influence of the background by switching to the Spot-metering mode. For Spot-metering, use the circle in the center of the Focusing Screen as a reference point.
2. In backlight, use the Averaged-metering mode when desiring to record the subject as a silhouette and the Spot-metering mode when desiring to expose for the subject.
3. In backlight, when desiring to simultaneously expose for the background and subject, use the Averaged-metering mode to correctly expose for the background and use fill-in flash to properly expose the subject.
4. In the Auto-Shift mode, if the area read by the Spot-metering system is more than 1 1/2 stops darker than the area read by the Averaged-metering system, the Spot-metering mode is automatically selected. When the areas read by the

Spot and Average metering systems are approximately equal, the Averaged-metering mode is automatically selected. When the area measured by the Spot-metering system is 0.75 – 1.5 EV (3/4 to 1 1/2 stops) darker than that measured by the Averaged-metering system, AE Prism Finder RZ automatically selects an intermediate value, offering the equivalent of a center-weighted reading.

5. For the highest degree of exposure accuracy possible when working under difficult lighting situations, use Spot-metering and AE Lock.

Exposure Compensation

AE Prism Finder RZ is designed to make accurate exposure measurements automatically for most subjects. However, for unusual lighting or special effects, the following two methods of exposure compensation can be utilized.

1. AE Lock

Highly effective for making an exposure measurement of the most important area of the subject. Although AE Lock can be used with either metering mode, it is most effective with Spot-metering.

Set the Shutter Speed Dial of the AE Prism Finder to the AE Lock position ("AEL"). To unlock the Shutter Speed Dial from the "A" (Auto) position, depress the Auto Lock Release Button and rotate dial to "AEL" (Fig. 5).

Next, while looking through the viewfinder, align the most important part of the subject with the circle in the center of the Focusing Screen and depress the Shutter Release Button halfway. As long as the Shutter Release Button is held halfway down, the exposure reading will be memorized. After adjusting the composition as desired, release the shutter.

- When using AE Lock, if the Shutter Release Button is pressed all the way before the shutter speed readout illuminates in the viewfinder, incorrect exposure may result. Therefore, do not release the shutter until the shutter speed readout illuminates.

- Correct exposure cannot be obtained with the Remote Control Unit if the Shutter Speed Dial is set to the "AEL" position.

2. Exposure Compensation Dial

After depressing the Exposure Compensation Dial Lock Release Button, the dial can be rotated to provide up to ± 3 stops of compensation (Fig. 6). For added convenience, the dial has click-stops at 1/3-stop increments.

To increase exposure, rotate the dial in the "+" (plus) direction; to decrease it, rotate the dial in the "-" (minus) direction. After using exposure compensation, be sure to return the dial to the "0" (zero) position. When this is done, it will lock in place preventing accidental movement of the Exposure Compensation Dial.

Metered Manual Exposure

By unlocking the Shutter Speed Dial from the "A" (Auto) position, shutter speed and aperture can be freely selected (Fig. 7). Moreover, in the metered manual mode, you are free to follow the recommendation of the exposure meter by matching LED's or to ignore it completely and compensate freely.

When the Shutter Release Button is depressed halfway, the LED for the preselected shutter speed will glow steadily in the viewfinder. At the same time, the shutter speed that the metering system deems appropriate for the preselected aperture will flash (4 times per second). For correct exposure, match LED's by rotating the Shutter Speed Dial or Aperture Ring until the LED's come together, so that only one shutter speed LED illuminates. For deliberate over or underexposure, rotate Shutter Speed Dial of the finder or Aperture Ring until the two shutter speed LED's are separated by the desired number of steps (for example, 2 stops over or 2 stops under). Whenever the manually selected shutter speed is the appropriate one for the preselected aperture, a single glowing LED will appear; there will be no flashing LED at that time.

Precautions

- Because exposure readings are made through the camera lens, there is no need to be concerned about exposure compensation when using lenses with different angles-of-view, when engaging in close-up photography, or when using filters.
- During mirror-up operation, the shutter can be released up to one minute after the mirror rises; however, auto exposure will be based upon the lighting conditions prevailing just before the mirror rose.
- Extraneous light entering the Eyepiece can adversely influence the metering system, resulting in underexposure. To prevent this from occurring, keep your eye in the Eyecup as close to the Eyepiece as possible during the moment of exposure.
- During remote control operation, be sure to close the Eyepiece Blind to prevent extraneous light from entering the Eyepiece. To lower the blind, move the Eyepiece Blind Lever to the left.
- There are 13 electrical contacts between the top of the camera and the base of AE Prism Finder RZ. Should dirt or grease adhere to the contacts, electronic coupling may be disrupted, resulting in a malfunction of the finder. If the contacts need cleaning, remove the finder and use a soft, clean cloth to gently and thoroughly clean all contacts. Finally, use a blower to remove any remaining dust or lint and reattach the finder.
- Because RB lenses are not equipped with electronic coupling, AE Prism Finder RZ will not function (there is no viewfinder readout) when RB lenses are

mounted on the camera.

- Because of the totally transparent central portion of the Type D Focusing Screen (Cross Hair), the AE Prism Finder will not indicate correct exposure with this screen in place.

- Before putting away the camera with AE Prism finder RZ attached, be sure to first turn off the power by rotating the Shutter Speed Dial of the finder to the "OFF" position.

Eyepiece Diopter Correction Lenses

The viewfinder system is adjusted for the eyesight of the average person, displaying an image that is easy to view for prolonged periods without tiring.

However, for near and farsighted individuals not wearing glasses, or for wearers of eyeglasses that are not fully corrected, the following 8 types of Eye Correction Lenses are available: +3, +2, +1, -0.5, -1, -2, -3, -4.

Attaching Eye Correction Lenses

After removing the eyecup, press the Eye Correction Lens onto the eyepiece frame, and then replace the eyecup (Fig. 3).

Specifications

Viewfinder: Unreversed, laterally correct image provided by roof prism design with image magnification of 0.81X (110 mm f/2.8 standard lens at infinity), built-in 1.8X magnifier.

AE Metering systems: Averaged (A), Spot (S), and Auto-Shift, for three-way quartz-controlled aperture-priority AE operation.

Shutter Speed Range: 4 – 1/400 sec in both automatic and manual modes (shutter speeds vary steplessly for auto mode and in one stop intervals for manual mode).

Viewfinder Readout: Metering methods indicated by "A" (Averaged) or "S" (Spot). shutter speeds of 1 – 1/400 and "LT" (over 1 to 4 sec) are displayed. Flashing LED's indicate overexposure (Δ), underexposure (LT), and weak battery (shutter speed). In metered manual mode, preselected shutter speed illuminates with steady glow and appropriate shutter speed flashes.

Metering Range: EV 1 – 18.5 (f/2.8 at 4 sec to f/32 at 1/400 sec with ASA/ISO 100 film and f/2.8 standard lens).

Exposure Compensation: ± 3 stops with click-stops at 1/3 stop intervals.

AE Lock: When Shutter Speed Dial of finder is set to "AEL" and Shutter Release Button depressed halfway, the exposure reading is memorized.

Power Source: Camera body battery.