

Instructions

for using the

MAMIYAFLEX



MAMIYA KOKI CAMERA WORKS

TOKYO



MAMIYAFLEX

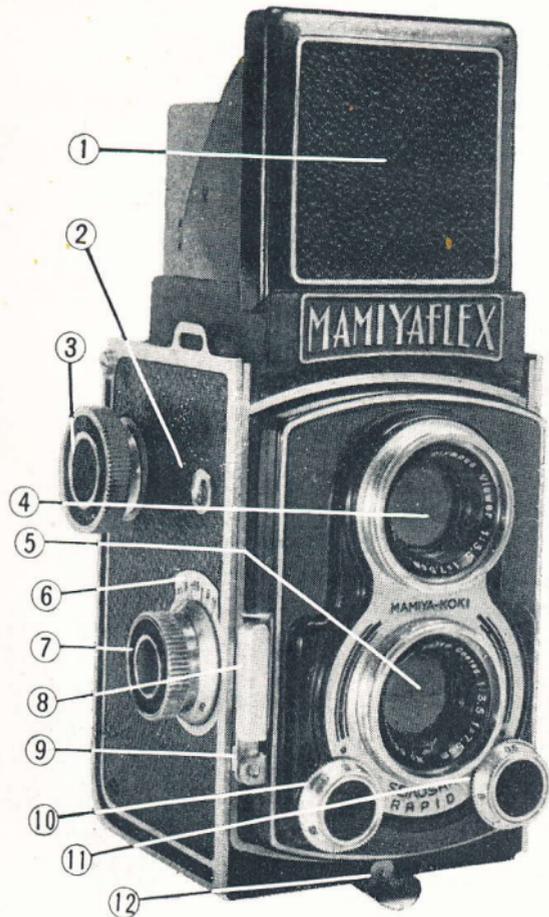
Automatic

Manual of Instructions

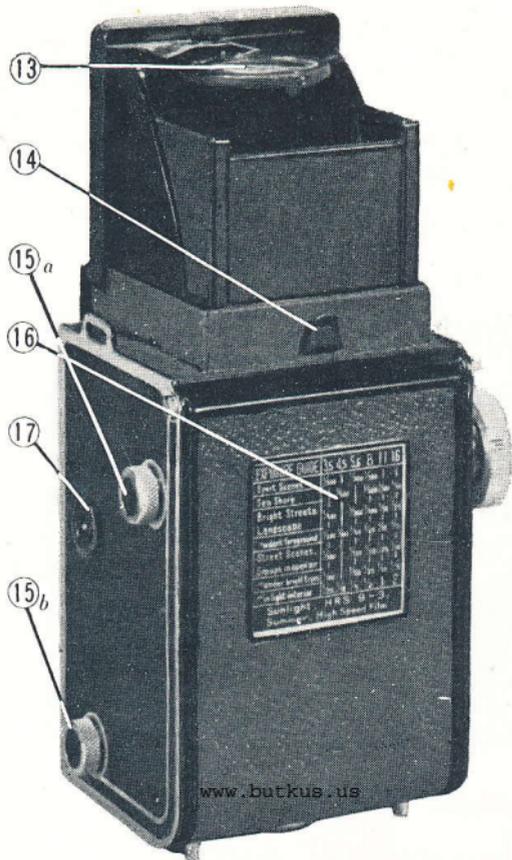
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THIS BOOKLET is a manual for users of the MAMIYAFLEX Automatic, precision camera. The MAMIYAFLEX Automatic is so well designed and built that anyone can take photographs easily, quickly and without mistakes. But if you want to get really good pictures, read these instructions and make full use of the many ingenious features incorporated in this superb instrument.

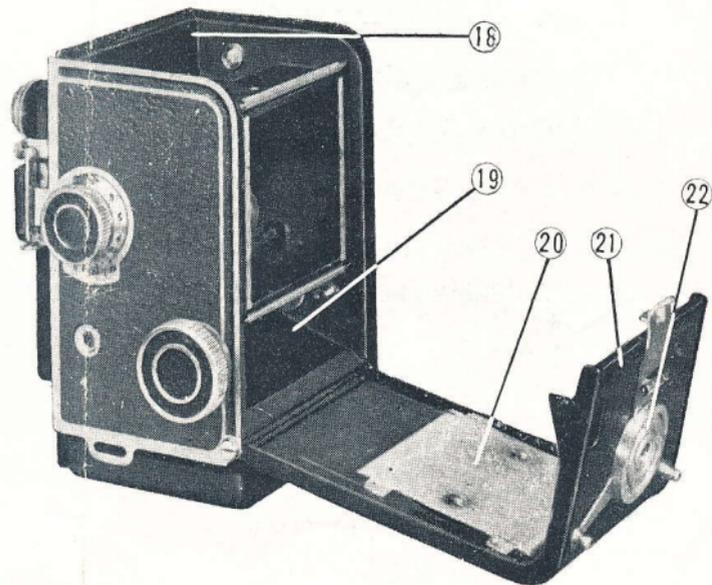
The MAMIYAFLEX Automatic is a super-precision automatic camera using 120 roll film (Brownie size). It takes 12 pictures of $2\frac{1}{4}'' \times 2\frac{1}{4}''$ (6 cm. \times 6 cm.) on each roll of film. The special MAMIYAFLEX construction permits you to see a full picture-size view of your shot, right side up, on a ground glass screen, before, while and after you make the exposure. This feature makes the MAMIYAFLEX Automatic the best camera with which good, sharp and clear photographs can be obtained with the minimum of effort and skill. All controls are so arranged that the camera can be manipulated in a natural effortless way with the hand, left entirely free to hold the instrument steady with a firm grip; and all settings are visible from above at a glance. A simple turn of a knob winds the film and cock the shutter in one operation, so pictures can be taken in rapid succession with no fear of double or blank exposures.



1. Focussing Hood
2. Film Frame Indicator
3. Film-Wind & Shutter Cocking Knob
4. Finder Lens
5. Picture Lens
6. Depth of Focus Scale
7. Focussing Knob
8. Shutter Trip Bar
9. Socket for Cable Shutter Release
10. Lens Stops Control Dial
11. Shutter Speed Control Dial
12. Back-Lid Lock Catch
13. Finder Image Magnifier
14. Hood Lock Catch
15. Film Spools Holding Studs (a & b)
16. Exposure Table
17. Terminal for Synchro-Flash Attachment



- 18. Unexposed Film Spool Chamber
- 19. Exposed Film Take-Up Spool Chamber
- 20. Film Pressure Plate
- 21. Back-Lid Panel
- 22. Tripod Screw Socket



A. FILM for the MAMIYAFLEX

The MAMIYAFLEX Automatic will take any standard make of black and white or color film of the 120 (Brownie) size. Each roll of film is sufficient for 12 exposures.

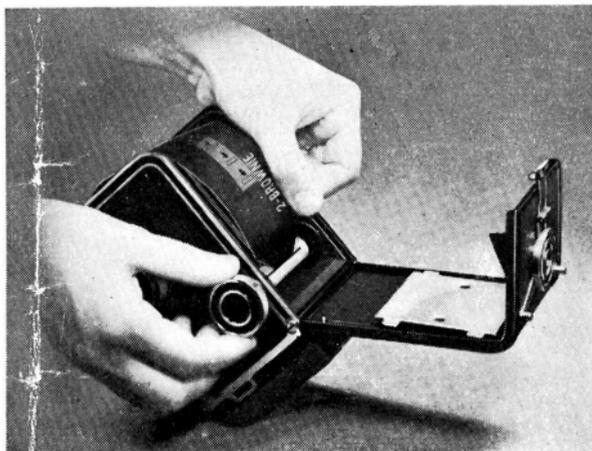
B. LOADING the MAMIYAFLEX with FILM

1. Disengage Back-Lid Lock Catch (12) and open up Back Lid Panel (21.)
2. Pull out Spool Stud (15b), place the film in Film Chamber (18), fitting the grooved end of the spool to Spool Stud (15b). The spool clips in by itself. (Fig. 4)



(Fig. 4)

3. Remove paper seal of film roll and pull out enough of the paper leader to reach Take-Up Spool (19.) Insert end of paper leader in slot of Take-Up Spool. (The black side of the paper leader should face the interior of the camera.) Check to see if film will be taken up properly by giving the Film-Winding Knob a little twist. (Fig. 5)



(Fig. 5)

4. Close Back-Lid and lock. When this is done, the figure "0" will automatically appear in Film Frame Indicator Window (2).

5. Turn Film-Wind Knob (3) until it stops. Now everything is ready for exposing the first frame on the film: the Film Frame Indicator shows "1" and the shutter is in cock.

C. FILM TAKE-UP

When the shutter is tripped and an exposure is made, the Film-Wind Knob is automatically released. Turn the Knob until it stops, the exposed frame will be taken up, the shutter will be recocked and the Film Frame Indicator will show the next number.

D. UNLOADING FILM

1. When 12 pictures have been taken, thus exposing the entire roll of film, the Film-Wind Knob is freed. Keep winding until all of the paper leader is taken up.
2. Open up Back-Lid, seal end of film roll with the gummed paper provided, pull out Spool Stud (15a) and remove exposed roll of film.
3. Transfer empty spool to Take-Up position (19).
4. Close Back-Lid and lock. The Film Frame Indicator will have returned to "0".

E. TAKING PICTURES WITH THE MAMIYAFLEX

In photography, there are three things to which attention must be given :

- 1) **Distance**
- 2) **Exposure Time**
- 3) **Lens Opening**

Then, for obtaining a really good picture, the subject matter must be properly composed to fit into the frame.

The MAMIYAFLEX Automatic deals with distance and composition in a most ingenious way: Focus is checked by the sharpness of the image on the ground glass screen, which also is exactly as it will appear in the finished print. **Depth of Focus** — the range within which sharp images of the objects in the picture field will be registered, depending on the stopping of the lens opening — is automatically indicated by the Depth of Focus Scale (6).



(Fig. 6)



(Fig. 7)

I. Focussing

1. Holding the MAMIYAFLEX Automatic: Manipulation of all the controls is done with the right hand; so the left hand should be used to support and hold the camera. (Fig. 6)

2. When the Hood Lock Catch (14) is disengaged, the Focussing Hood (1) springs into position. Train the camera on the subject matter, look down on ground glass screen. The image of the subject matter will be seen projected on the screen. (Fig. 7)

3. With the thumb and middle finger of the right hand, turn the Focussing Knob (7) and bring the screen image into sharp focus. The right forefinger will be resting lightly on the Shutter Trip Bar, ready to release the shutter at any instant shifting the hand from the controls.

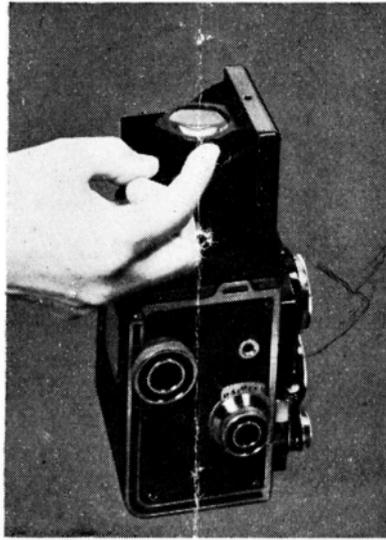
(Fig. 8)

When the shutter is tripped and an exposure is made, it goes without saying that the two other essentials — Exposure Time and Lens Aperture Stopping — have already been attended to.

4. When specially sharp focussing must be done the Image Magnifier (13) is used. The Magnifier will spring into position when pulled out with the right index finger. (Fig. 9) The eye should be brought down as close as possible to the glass. (Fig. 10)



(Fig. 8)



(Fig. 9)



(Fig. 10)

II. Shutter Speeds and Lens Stops

With the MAMIYAFLEX Automatic the setting of shutter speeds and lens stops can be done without shifting the hold on the camera.

1. Shutter Speeds: The shutter speeds (Bulb, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250, and 1/500 Sec.) are set by turning the Shutter Control Dial (11) to the desired reading. (N. B.) with the shutter set at 1/500 it is not advisable to change the setting unless the shutter has been tripped and uncocked. This warning applies to all **Compur** type shutters. As already stated, the shutter is automatically cocked when the Film-Wind Nob is turned to bring the next unexposed frame into position. The Cable Release Socket (9) provided beneath the Shutter Trip Bar enables you to use both cable release and self-timer.

2. Lens Aperture Stops; Lens opening is controlled by the Lens Stops Control Dial (10). Lens speeds can be varied from F 3.5 to F 22.



(Fig. 11)

F. FLASH PHOTOGRAPHY with the MAMIYAFLEX

The MAMIYAFLEX Automatic is fitted with a precision flash synchronizing mechanism. There is therefore no need for a special synchronizer; and when the MAMIYA FLASH EQUIPMENT is used, all that need be done is to connect the synchronizing lead wire to the Synchro-Flash Terminal (17). (Fig. 11)

Other flash attachments available on the market may be used with slight modifications to end of the wire lead.

G. WHEN NOT IN ACTUAL USE

1. Before closing cover of the MAMIYAFLEX field case, it is advisable to withdraw the lens-shutter assembly by turning the focussing knob to infinity (∞).
2. Care should be exercised not to lose the double lens cap which affords protection to the coated lens against scratches, dust and moisture.

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