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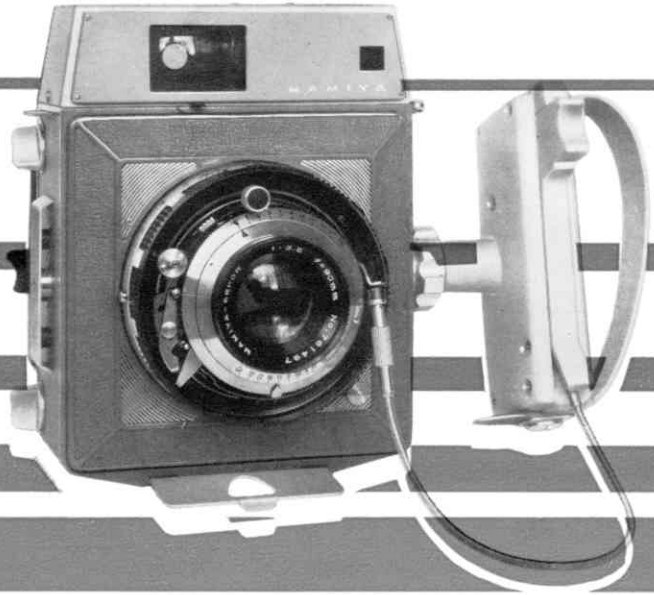
MAMIYAPRESS



USER'S MANUAL

INTRODUCTION

MAMIYA CAMERA COMPANY appreciates your special interest in the MAMIYA PRESS, a new addition to the world-famous MAMIYA line of high-grade cameras of originality and dependability, and the outcome of years of intensive research and experimentation to produce a camera capable of meeting the exacting requirements of the professional press photographer. MAMIYA proudly presents a professional hand camera of extreme versatility for a wide range of uses including news photography, commercial work, and scientific and industrial applications.

DESIGN CONSIDERATIONS

In developing this heavy-duty camera, the three points to which special thought was given were:

1. Maximum range of application and use
2. Ease of handling, and portability
3. Sound, rugged construction at low cost.

To this end, the following specifications were adopted:

A. The body must possess adequate rigidity combined with lightness and resistance to corrosive action. Aluminum alloy die casting was therefore used.

B. Lens interchangeability with accurate range-finder coupling—The standard F 3.5, f=90 mm lens assembly (lens-shutter combination on helicoid focusing mount) is interchangeable with wide angle (F 6.3, f=65 mm) and long focal length (F 5.6 f=150 mm) lens assemblies by means of a 60-degree twist bayonet flange coupling with the camera body.

C. Helicoid focusing lens mount for maximum precision and stability.

D. Omission, for the sake of simplicity and coupled rangefinder operation, of lens assembly swing or shift. To make up for part of this simplification, the back mount (for focusing ground glass, film pack holder, plate holder, and rollfilm holder) has

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been provided with extended swivel in all directions.

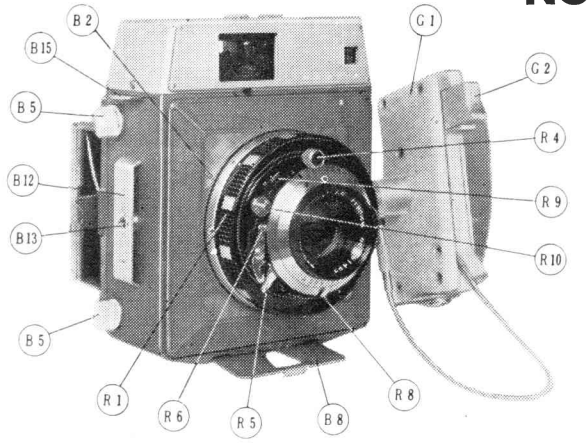
E. 6×9cm ($2^1/_4 \times 3^1/_4$ inch) negative size for maximum availability of photosensitive material (rollfilm of 120 size, film pack of 520 size, cut film, and photographic dry plate). Holders are provided for all these types of negative stock. The rollfilm holder is specially designed to maintain absolute flatness of the film. Two types of rollfilm holders are available, both with filmwind stop mechanism to eliminate use of the red window when winding film, for eight 6×9 exposures or ten 6×7 exposures. With either of these rollfilm holders, it is possible to obtain 6×6 and 6×4.5 pictures by using masks on the filmgate and the viewfinder window (in this case, filmwind must be done by sight through the red window).

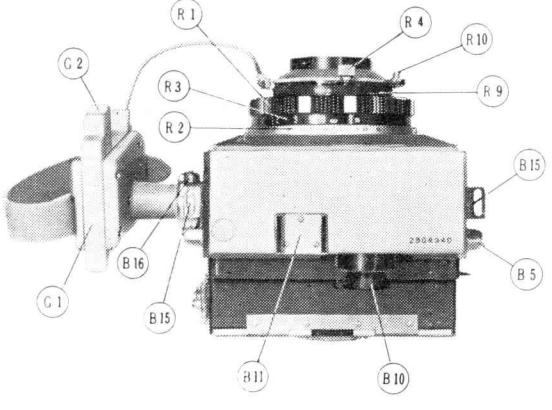
F. While arrangements for utilization of habitual motions provide maximum operational ease, the weight of the camera necessitates certain modifications. The left hand, holding the grip handle affixed to the left side of the camera, acts as the main support. The right hand is free to adjust focus and exposure settings, while in order further to facilitate single-handed operation and handling of the camera back arrangements special designing has been undertaken.

G. When the adjustable back mount (B 6) is tilted for photographing distant objects with the standard f=90 mm lens, sharp focus cannot be obtained because the distance between the lens and focal plane is increased beyond the normal range of focus adjustment. To correct this over-extension, the lens-shutter assembly can be retracted by about $^3/_8$″ toward the camera back. For prevention of mistakes resulting from inadvertent retraction of the lens-shutter assembly, a warning appears over the viewfinder field in the form of diagonal stripes.

Although the name MAMIYA PRESS gives the impression that this new camera is designed specifically for newspaper and similar work, the aim of MAMIYA CAMERA COMPANY was to produce a versatile instrument for extremely wide application.

NOMENCLATURE





LENS-SHUTTER ASSEMBLY (R)

R 1	Focusing Ring
R 2	Depth of Field Scale
R 3	Distance Scale
R 4	Shutter Cocking Lever
R 5	Shutter Release Lever
R 6	Time Lever
R 7	Shutterspeed Dial
R 8	Aperture Control
R 9	M-X Selector
R 10	Synchroflash Terminal
R 11	Cable Release Socket

CAUTIONS FOR INITIAL USE

When using the standard lens (f=90 mm), do not forget to pull out the lens-shutter assembly from its retracted position. Retraction is necessary when using "tilt" (back mount swing) when photographing distant objects.

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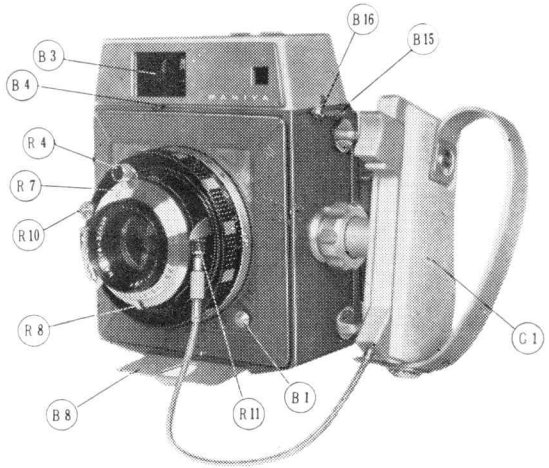
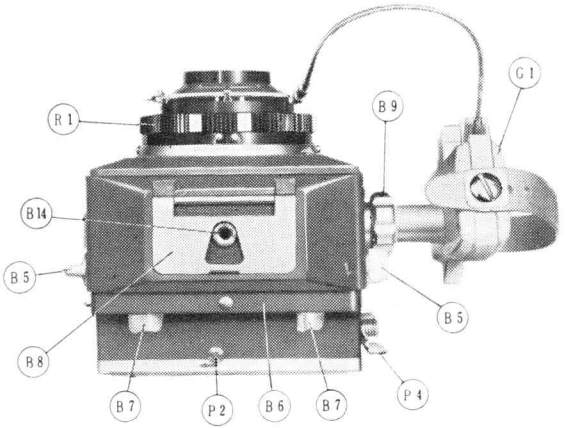
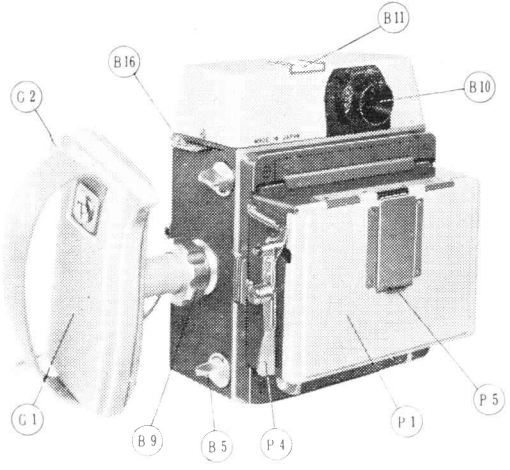
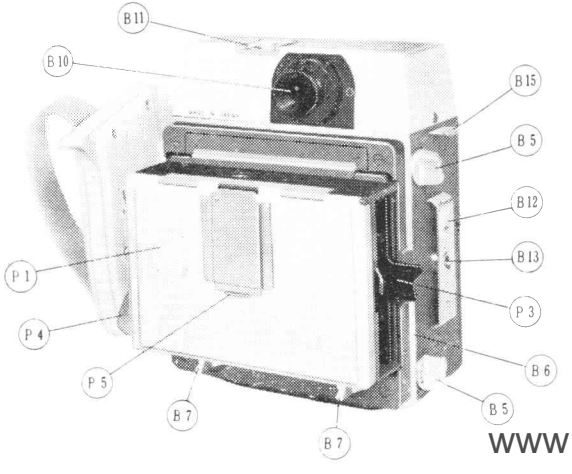
CAMERA BODY PARTS (B)

B 1 Lens Barrel Lock Button
B 2 Lens Coupling Mark
B 3 Viewfinder Window
B 4 Viewfinder Window Mask Lever (for 150 mm lens)
B 5 Back Mount Swing Lock Knobs (4)
B 6 Swinging Back Mount
B 7 Focusing Screen and Rollfilm Holder Lock Knobs (2)
B 8 Support Plate
B 9 Hand Grip Lock Ring
B 10 Eyepiece
B 11 Accessory Clip
B 12 Flashgun Mount
B 13 Tripod Socket
B 14 Tripod Socket
B 15 Strap Eyelets (2)
B 16 Cable Release Holder









HAND GRIP (G)

G 1 Hand Grip

G 2 Cable Release

FOCUSING SCREEN HOLDER (P)

P 1 Back Cover

P 2 Back Cover Catch Button

P 3 Focusing Screen Frame Manipulator

P 4 Focusing Screen Release Lever

P 5 Back Cover Opening Angle Adjustment

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FUNCTIONS AND OPERATION

NEGATIVE SIZE

Nominal Rating . . . 6×9

Actual Picture Sizes . . .

A. Dry Plate ($2\,^1/_4 \times 3\,^1/_4$″) . . . 57×84 mm

B. Cut Film (octavo/4) . . . 57×78 mm

C. Film Pack 520 . . . 57×82 mm

D. Rollfilm 120
in 6×9 holder

a. 6×9 . . . 56×84 mm

b. 6×6 . . . 56×56 mm

c. 6×4.5 . . . 56×42 mm

E. Rollfilm 120
in 6×7 holder

a. 6×7 . . . 56×67 mm

b. 6×6 . . . 56×56 mm

c. 6×4.5 . . . 56×42 mm

PHOTOSENSITIVE MATERIALS

A. Dry Plate . . . Dry plate ($2\,^1/_4 \times 3\,^1/_4$″) is placed in plate holder, which is inserted in front of the focusing screen of the focusing screen holder from the side.

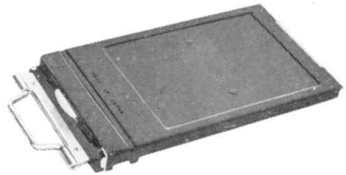
B. Cut Film . . . An octavo sheet of cut film is quartered, and each piece is placed in a cut film clamp for fitting in the regular plate holder. The plate holder is then inserted in the focusing screen holder in the normal way.

Cut film quartering device is sold by MAMIYA CAMERA CO.

When cut film of $2\,^1/_4 \times 3\,^1/_4$ size is available for use, load in plate holder using a discarded plate as backing.

C. Film Pack . . . Film pack 520 is placed in the film pack holder, which in turn is inserted in the focusing screen holder.

D. Rollfilm . . . Rollfilm 120 is loaded in either of the two rollfilm holders available. The rollfilm holder replaces the focusing screen holder on the back mount of the camera.



CHANGE OF NEGATIVE SIZE

When changing picture size from 6×9 or 6×7 to 6×6 or 6×4.5 on rollfilm, it is necessary to fit the rollfilm holder with the appropriate picture mask. When taking substandard size pictures, the exposures must be counted through the red window at the back of the rollfilm holder. The automatic film-wind stop and exposure counter cannot be used.

Also do not fail to fit the appropriate finder window masks; the viewfinder masks coming with the filmholder in the case of the standard lens (f=90 mm), the masks coming with the lens in the case of the long focal length lens (f=150 mm), and the separate viewfinder for mounting on the accessory clip in the case of the wide angle lens (f=65mm).

MAMIYA PRESS INTERCHANGEABLE LENSES

Standard (F 3.5, f=90 mm), wide angle (F 6.3, f=65mm), and long focal length (F 5.6, f=150mm) lenses are easily and quickly interchangeable, and each unit couples accurately with the rangefinder.

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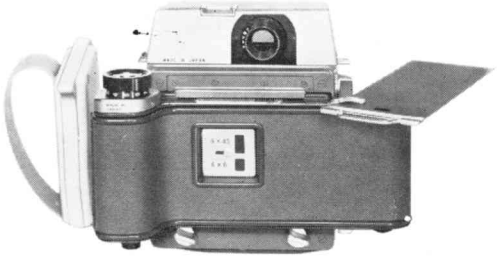
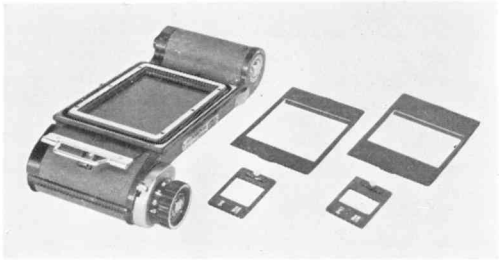


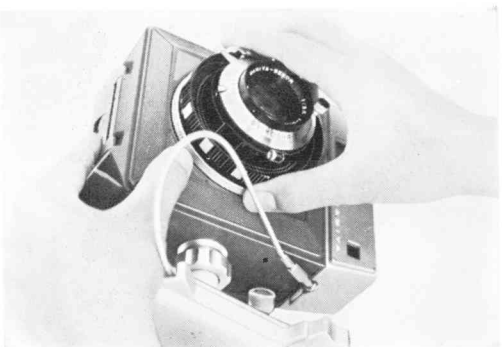


The MAMIYA-SEKOR lenses for the MAMIYA PRESS are specially designed anastigmats of high resolving power for needle-sharp reproductions on large negative areas. Focusing is by high precision helicoid mount, with coupled rangefinder or by means of the ground glass focusing screen.

	Speed (f/)	Focal Length (f= mm)	Construction (element-group)	Picture Angles			
				6×9	6×7	6×6	6×4.5
Standard	3.5	90	4—3	58°30′	51°50′	50°	42°
Long Focal Length	5.6	150	4—3	37°10′	32°30′	32°	26°
Wide Angle	6.3	65	4—4	75°40′	67°50′	63°	56°10′

MAMIYA PRESS FILTERS AND MASKS

	Filter Screw Thread		Remarks
	Diam.	Pitch.	
Standard Lens	40. 5 mm	0. 5 mm	Special lens hood available.
Long Focal Length	40. 5 mm	0. 5 mm	Rear lens cap furnished. Special lens hood available.
Wide Angle	43 mm	0. 75 mm	Special viewfinder and rear lens cap furnished. Lens barrel serves as lens hood.



Notes 1. All MAMIYA-SEKOR lenses for the MAMIYA PRESS are fully hard-coated anastigmats.

2. Special lens hoods can be fitted in reverse over their respective lenses for convenience in carrying.

LENS-SHUTTER ASSEMBLY MOUNTING DISMOUNTING

The lens-shutter assembly is mounted on the front of the camera body by means of a special bayonet flange coupling. The assembly can be readily removed by pressing lens barrel lock button (B 1)

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DEPTH OF FIELD TABLE

MAMIYA-SEKOR F 3.5, 9 cm (Circle of confusion, 4/1,000 inch)

Aperture	Focused Distances (in feet)										
	∞	30	15	10	8	7	6	5	4.5	4	3.5
3.5	75′ 6¼″ ∞	21′ 7¾″ 49′ ¾″	12′ 7¾″ 18′ 5¾″	8′11″ 11′ 4½″	7′ 3¾″ 8′10″	6′ 5¾″ 7′ 7½″	5′ 7½″ 6′ 5¼″	4′ 9″ 5′ 3½″	4′ 3½″ 4′ 8¾″	3′10″ 4′ 2″	3′ 4½″ 3′ 7½″
4	66′ 1¼″ ∞	26′10″ 53′11¾″	12′ 4¼″ 19′ 1¼″	8′ 9½″ 11′ 7¼″	7′ 2¾″ 8′11¾″	6′ 5″ 7′ 8½″	5′ 6¾″ 6′ 6″	4′ 8½″ 5′ 4″	4′ 3¼″ 4′ 9¼″	3′ 9¾″ 4′ 2½″	3′ 4½″ 3′ 7¾″
5.6	47′ 3¾″ ∞	18′ 7″ 79′ 7″	11′ 6¾″ 21′ 5¾″	8′ 4¾″ 12′ 5″	6′11½″ 9′ 5¼″	6′ 2½″ 8′ ½″	5′ 5″ 6′ 8¾″	4′ 7¼″ 5′ 5¾″	4′ 2¼″ 4′10½″	3′ 9″ 4′ 3½″	3′ 3¾″ 3′ 8½″
8	33′ 2½″ ∞	16′ 279′ 2½″	10′ 6¼″ 26′ 5″	7′10¼″ 13′10½″	6′ 7″ 10′ 2¾″	5′11″ 8′ 7¼″	5′ 2½″ 7′ 1¼″	4′ 5½″ 5′ 8½″	4′ ¾″ 5′ ¾″	3′ 8″ 4′ 5″	3′ 3″ 3′ 9¾″
11	24′ 2¾″ ∞	13′ 7½″ ∞	9′ 5¾″ 37′ 2¼″	7′ 3¼″ 16′ 3″	6′ 2¼″ 11′ 5¼″	5′ 7″ 9′ 5¼″	4′11½″ 7′ 7¾″	4′ 3¼″ 6′ ½″	3′11″ 5′ 3¾″	3′ 6½″ 3′11¾″	3′ 2″ 3′11¼″
16	16′ 9″ ∞	10′11½″ ∞	8′ 1¾″ 117′11¼″	6′ 5¾″ 22′10¾″	5′ 7½″ 14′ 3¼″	5′ 1½″ 11′ 3″	4′ 7¼″ 8′ 9¼″	4′ ¼″ 6′ 8¼″	3′ 8½″ 5′ 9½″	3′ 4½″ 4′11¼″	3′ ¼″ 4′ 2″
22	12′ 3¼″ ∞	8′10¾″ ∞	6′11¾″ ∞	5′ 9″ 45′ 4½″	5′ ¾″ 20′ 5″	4′ 8″ 14′ 7¾″	4′ 2¾″ 10′ 7¾″	3′ 9″ 7′ 8½″	3′ 5¾″ 6′ 6″	3′ 2¼″ 5′ 5¼″	2′10¾″ 4′ 6″
32	8′ 6½″ ∞	6′ 9½″ ∞	5′ 7¾″ ∞	4′10″ ∞	4′ 4½″ 76′ ½″	4′ 1″ 30′ 3″	3′ 9″ 16′ 9¼″	3′ 4½″ 10′ 4″	3′ 2″ 8′ 2¾″	2′11¼″ 6′ 6¾″	2′ 8¼″ 5′ 2¼″
45	6′ 2″ ∞	5′ 2¾″ ∞	4′ 6¾″ ∞	4′ ½″ ∞	3′ 8½″ ∞	3′ 6¼″ ∞	3′ 3¼″ 72′ 1½″	3′ 18′11¾″	2′10″ 12′ 8¾″	2′ 8″ 9′	2′ 5½″ 6′ 6¾″

DEPTH OF FIELD TABLE

MAMIYA-SEKOR F 6.3, 6.5 cm (Circle of confusion, 4/1,000 inch)

Aperture	Focused Distances (in feet)										
	∞	30	15	10	8	7	6	5	4.5	4	3.5
6.3	22′ ∞	12′10″ ∞	9′ 3/4″ 44′11 1/4″	7′ 17′ 8 1/4″	5′11 3/4″ 12′ 2″	5′ 5″ 9′11 1/4″	4′ 9 3/4″ 8′	4′ 2″ 6′ 3 1/4″	3′10″ 5′ 5 3/4″	3′ 5 1/2″ 4′ 9″	3′ 1 1/4″ 4′ 1/2″
8	17′ 4 1/2″ ∞	11′ 1 3/4″ ∞	8′ 2 1/2″ 98′ 9 1/2″	6′ 6″ 22′ 4 3/4″	5′ 7 1/4″ 14′ 2″	5′ 1 1/2″ 11′ 2 3/4″	4′ 7″ 8′ 9 1/2″	4′ 6′ 9″	3′ 8 1/4″ 5′10″	3′ 4 1/4″ 5′	3′ 4′ 2 1/2″
11	12′ 8 1/4″ ∞	9′ 1/2″ ∞	7′ 1/4″ ∞	5′ 9″ 42′ 4 3/4″	5′ 3/4″ 20′ 3/4″	4′ 7 3/4″ 14′ 7″	4′ 2 1/2″ 10′ 8 1/4″	3′ 8 1/2″ 7′ 9 1/4″	3′ 5 1/4″ 6′ 7″	3′ 2″ 5′ 6 1/4″	2′10 1/4″ 4′ 6 3/4″
16	8′ 9 1/2″ ∞	6′10 3/4″ ∞	5′ 8 1/4″ ∞	4′10″ ∞	4′ 4 1/4″ 67′ 3″	4′ 3/4″ 29′ 4 1/2″	3′ 8 3/4″ 16′ 9 1/4″	3′ 4″ 10′ 5 3/4″	3′ 1 1/2″ 8′ 4 1/2″	2′10 3/4″ 6′ 8 1/2″	2′ 7 1/2″ 5′ 4″
22	6′ 5 1/4″ ∞	5′ 4 3/4″ ∞	4′ 7 3/4″ ∞	4′ 3/4″ ∞	3′ 8 3/4″ ∞	3′ 6 1/4″ ∞	3′ 3 1/4″ 55′ 1/2″	2′11 3/4″ 18′ 2 1/2″	2′ 9 3/4″ 12′ 7″	2′ 7 1/2″ 9′ 1″	2′ 5″ 6′ 8 1/4″
32	4′ 6″ ∞	3′11 3/4″ ∞	3′ 7″ ∞	3′ 3″ ∞	3′ 1/2″ ∞	2′10 3/4″ ∞	2′ 8 3/4″ ∞	2′ 6 1/2″ ∞	2′ 5″ 80′ 7″	2′ 3 1/2″ 22′ 5″	2′ 1 1/2″ 11′ 2 1/2″

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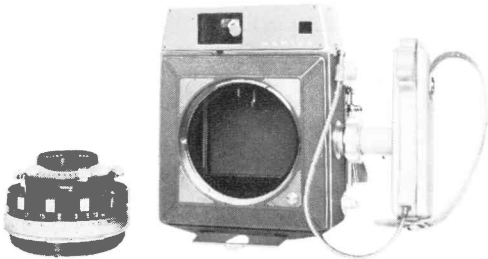
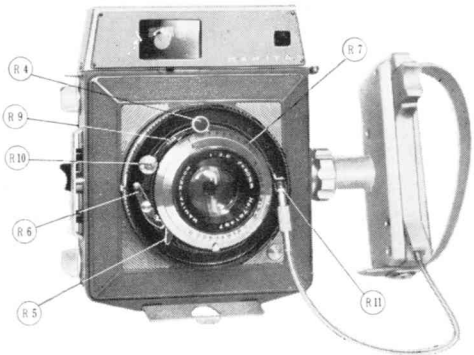
DEPTH OF FIELD TABLE

MAMIYA-SEKOR F 5.6, 15 cm (Circle of confusion, 4/1,000 inch)

Aperture	Focused Distances (in feet)					
	∞	30	15	10	8	7
5. 6	130′ 11½″ ∞	24′ 7½″ 38′ 5½″	13′ 7″ 16′ 9″	9′ 4½″ 10′ 8½″	7′ 7½″ 8′ 5¼″	6′ 8½″ 7′ 3¾″
8	91′ 9½″ ∞	22′ 10½″ 43′ 9¼″	13′ ¾″ 17′ 7¾″	9′ 1¾″ 11′ ½″	7′ 5½″ 8′ 7½″	6′ 7¼″ 7′ 5½″
11	66′ 10¼″ ∞	21′ 52′ 11″	12′ 5½″ 18′ 10¾″	8′ 10¼″ 11′ 6″	7′ 3¼″ 8″ 10¾″	6′ 5½″ 7′ 7¾″
16	46′ 1″ ∞	18′ 6″ 81′ 5¼″	11′ 7″ 21′ 5¼″	8′ 5″ 12′ 4¼″	7′ 9′ 4½″	6′ 3″ 7′ 11¾″
22	33′ 7½″ ∞	16′ 2½″ 233′ ¾″	10′ 8″ 25′ 7½″	7′ 11½″ 13′ 6½″	6′ 8¼″ 10′ ¼″	6′ 8′ 5¼″
32	23′ 3″ ∞	13′ 5¼″ ∞	9′ 5½″ 38′ 1″	7′ 3½″ 16′ 2½″	6′ 2¾″ 11′ 4″	5′ 7¾″ 9′ 4″
45	16′ 7½″ ∞	11′ ¼″ ∞	8′ 3″ 105′ 9¼″	6′ 7″ 21′ 10¼″	5′ 8¾″ 13′ 8½″	5′ 2¾″ 10′ 9¾″





toward the lower right corner of the camera body, as seen from the front, and by turning the lens-shutter assembly counterclockwise about 60 degrees, gripping the barrel by means of the two protrusions provided on the depth of field scale ring (R 2). The assembly can be lifted out when the red triangle mark on the barrel matches the red dot lens coupling mark (B 2) on the upper left hand corner of the camera front.

To mount lens on camera, match the two coupling marks, then turn the barrel clockwise about 60 degrees. Slight resistance will be felt before the catch holds and the barrel is locked in position.

When changing lenses, be sure to uncouple release cable (G 2) leading from grip handle (G 1).

The rangefinder can be used, without any adjustment, with any of the interchangeable lenses.

CAUTION: With the lens-shutter assembly removed, the interior of the camera body is exposed, revealing two pins protruding from above. These are the coupling pins for the rangefinder and the

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lens barrel retraction warning signal. Do not tamper with these delicately adjusted parts.

SHUTTER (SEIKOSHA-S, ZERO SIZE)

Shutterspeed Settings: B (bulb, manual operation), 1, $^1/_2$, $^1/_4$, $^1/_8$, $^1/_{15}$, $^1/_{30}$, $^1/_{60}$, $^1/_{125}$, $^1/_{250}$ and $^1/_{500}$ second

Aperture Settings (scale markings):

Standard	3.5, 4, 5.6, 8, 11, 16, 22, 32, 45
Long Focal Length	5.6, 8, 11, 16, 22, 32, 45
Wide Angle	6.3, 8, 11, 16, 22, 32

Flash Synchronization; M and X synchroflash settings.

Time Exposures; Time lever (R 6) is provided so that when shutterspeed dial (R 7) is set at "B" operation of time lever (R 6) will cause shutter to open and remain open until the lever is released.

Shutter Operation by Cable Release: Cable release socket (R 11) is provided.

VIEWFINDER

The optical viewfinder of the MAMIYA PRESS is of the reverse telescope type, and is combined with the rangefinder in the upper part of the camera body. Sighting and picture composition can also be

VIEWFINDER WINDOW MASKING TABLE

Lens	Negative Size			
	6×9	6×7	6×6	6×4.5
Standard	no mask	6×7 standard mask over window	6×6 standard mask	6×4.5 standard mask
Long Focal Length	built-in sliding mask (B 4)	6×7 long mask	6×6 long mask	6×4.5 long mask
Wide Angle	special accessory finder	indicated in field of special finder		

done with the ground glass focusing screen mounted on the back of the camera or with a sports type frame finder mounted on the accessory clip. Reduction of subject size by means of the reverse telescope viewfinder is to 66 per cent of life size. Correction of the viewfinder field for various negative sizes is effected by use of masks over the viewfinder window (B 3). When using the wide angle lens-shutter assembly, a separate viewfinder (reverse telescope type) is used mounted on the accessory clip. Viewfinder correction for parallax at close ranges is effected, when using standard and long focal length lenses, by moving the eyepiece (B 10).

The ground glass focusing screen is mounted in the holder which is provided with a swing-up back cover (P 1). After focusing and picture composition is finished, the focusing screen is released by means of lever (P 4) and the focusing screen is pulled back by means of manipulator (P 3) to permit insertion of plate or film pack holder. The image on the focusing screen is inverted, but it is of full negative size. Marker lines are provided to show 6×7, and 6×6 negative sizes.

COUPLED RANGEFINDER

The rangefinder is combined with the viewfinder, and is of the double image focusing spot type. The length of the triangulation base is 60 mm, and the magnification is ×0.66. Accurate coupling ranges are: for standard lens, 3.5 feet to ∞; for long focal length, 7 feet to ∞; and for wide angle, 3.5 feet to ∞.

The standard lens-shutter assembly has a retractable lens barrel which withdraws the lens by 10 mm from the true ∞ position. When the lens barrel is retrected, the coupled rangefinder cannot be used. In this case a warning signal is given by stripes over the focusing spot. To extend retracted lens barrel, turn slightly counterclockwise, pull out, then turn clockwise to secure. Reverse procedure to retract.

FOCUSING METHODS

The helicoid mounts of the lens-shutter assemblies

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permit back and forth movemont of the lens barrel in relation to the camera body, $^3/_8$″ for the standard lens, $^1/_2$″ for the long focal length, and $^3/_{16}$″ for the wide angle.

Focus adjustment may be effected either by the coupled rangefinder, by tape measure or sight judgment and distance scale, or by the ground glass focusing screen.

SHUTTER OPERATION

To cock shutter mechanism, push cocking lever (R 4) over toward left side of the camera (as seen from rear). The shutter is released as a general rule by the left thumb through the button and cable release of the hand grip. However, it is also possible to trip the shutter by means of the shutter release lever (R 5) operated by the right index finger.

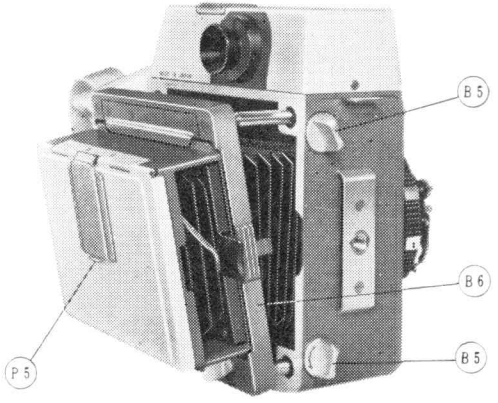
For focusing and sighting by means of the rear focusing screen, set shutterspeed dial (R 7) at "B", cock shutter, and pull outward the knob of time lever (R 6). Shutter will remain open.

BACK MOUNT SWING, AND CLOSE RANGE PHOTOGRAPHY

By loosening the lock knobs (B 5) the back mount can be made to swing up to 15 degrees in all directions. When the adjustable back mount (B 6) is fully pulled out, the distance between the lens and the focal plane is increased by about $1\,^7/_{32}$″ to provide additional extension for close range photography. In this case be sure to compensate for added focal length to avoid under-exposure.

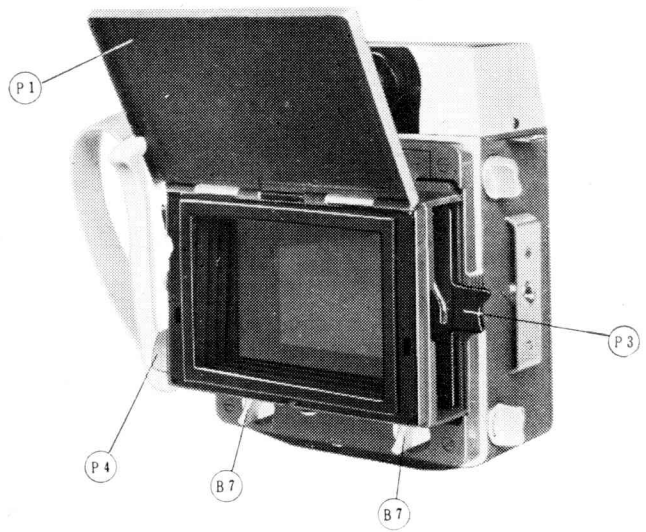
EXTENDING THE SWINGING BACK MOUNT

To swing or extend the back mount, the four lock



CLOSE-UP RANGES WITHOUT USE OF AUXILIARY LENS

Lens		Magnification	Subject Coverage (inch)	Distance from Focal Plane to Subject (inch)	Exposure Factor
Standard	F 3.5, f= 90mm	×.344	$6\,^{1}/_{2} \times 9\,^{9}/_{16}$	$13\,^{11}/_{32}$	1.8
Long Focal Length	F 5.6, f=150mm	×.207	$10\,^{13}/_{16} \times 16$	$33\,^{23}/_{32}$	1.5
Wide Angle	F 6.3, f= 65mm	×.477	$4\,^{11}/_{16} \times 6\,^{15}/_{16}$	$7\,^{5}/_{16}$	2.2



knobs (B 5) must first be loosened. The arrow mark on the knobs indicate securing direction, to loosen turn in opposite direction enough to release guide pins. Pull out back mount, a side at a time; and when desired swing is obtained, hold and secure by means of the lock knobs (B 5). Apply equal pressure to all lock knobs.

OPERATION OF FOCUSING SCREEN HOLDER

The focusing screen holder (P) is secured to the camera back mount by means of two securing knobs (B 7). To remove focusing screen holder, turn knobs (B 7) so that holding flanges are turned up and the straight edges are parallel to the back

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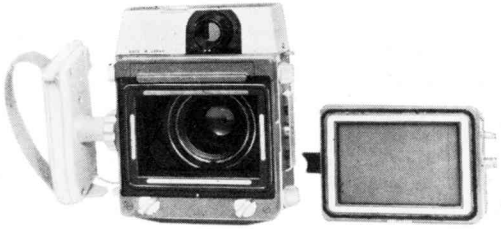

mount, clear of the focusing screen holder. Lift up the lower side of the focusing screen holder and pull out of top groove. To attach focusing screen holder, reverse this procedure, making sure that the lock knobs (B 7) are turned clear of the locking flange. Push into upper groove, the press down firmly. Lock by turning the lock knobs 180 degrees.

The rollfilm holder is secured in the same way.

To open back cover (P 1) of the focusing screen holder, push catch button (P 2) in direction of arrow. Back cover will spring open. To close, merely press down for catch to lock.

When the back cover opening adjustment (P 5) is fully pulled out the back cover will swing open 180 degreers.

To insert plate holder or film pack holder in focusing screen holder, first press focusing screen release lever (P 4), keeping depressed until plate or film pack holder is in position.

GRIP HANDLE

The special grip handle can be attached to the left side of the camera (as seen from the rear). Locking is effected by screwing down the lock ring (B 9).

When using a tripod for vertical pictures, remove the grip handle and replace with a tripod adaptor.

A cable release runs through the grip handle. One end of the cable is connected to the camera shutter (at R 11), while the other end is attached to the shutter button on the grip handle. To keep disconnected cable end from dangling free, attach to cable release holder (B 16) on the strap eyelet.

MOUNTING FLASHGUN

To attach flashgun to the camera, fix flashgun mounting piece on the flashgun mount (B 12) at the

right side (as seen from the rear).

CAMERA SUPPORT PLATE

When the hinged support plate (B 8) attached to the base of the camera is unfolded, a steady support is provided for the camera on any flat, level surface.

ACCESSORY CLIP

A standard accessory clip (B 11) is provided on top of the rangefinder casing.

TRIPOD SOCKET

Two tripod sockets are provided, one (B 14) on the base of the camera for horizontal picture position, and the other (B 13) on the flashgun mount, for vertical position.

DIMENSIONS AND WEIGHT

$6\,^{5}/_{16}''$ (height) $\times 7\,^{9}/_{32}''$ (width) $\times 5\,^{1}/_{2}''$ (from front of standard lens at ∞ in normal position to rear of focusing screen holder) ; approximately $3\,^{15}/_{16}$ lbs.

ACCESSORIES

Lens Hoods: Two types available, one for the standard lens, the other for the long focal length lens. Wide angle lens requires no lens hood.

Filters: Available in various types in two sizes, for standard and long focal length lenses, and for wide angle lens.

Rollfilm Holders: Available in two types ; for 8 exposures of 6×9 cm negatives per roll, or for 10 exposures of 6×7 cm negatives. Both types capable of taking, with masks for standard lens supplied, negatives of 6×6 and 6×4.5 size.

Plate Holders: for dry plates of 57×84mm size, one plate per holder, in a set of three plate holders.

Film Pack Holder: 520 filmpack.

Special Flashgun

Flashgun Mounting Piece

"Sports" type Frame Finder

Extension Rings for Close-Up Photography

Special MAMIYA PRESS Carrying Bag

All-Metal Cable Release

MAMIYA Film Cutter: for quartering "octavo" cut film.

Tripod Adapter: for use of various types of tripods.

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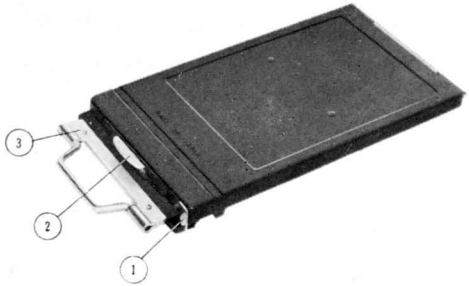
INSTRUCTIONS FOR USE OF PLATE HOLDER, AND ROLL HOLDERS

PLATE HOLDER

Pull out backlid catch (1), the backlid can be swung open by applying finger pressure to finger hold (2).

Working in complete darkness, place plate in plate holder, emulsion (dull) side down, facing toward slide cover (3). Close backlid and lock in position by means of backlid catch (1). When using out film of the same size as the plate, use behind the cut film a discarded plate, or a clear piece of glass of the right size. When using out film of one-fourth octavo size, first insert film in adaptor frame and place frame in plate holder.



FILM PACK HOLDER

Open backlid of film pack holder by pressing simultaneously the two catch button (1), and swing open on hinge. Take fresh film pack, and load, tab end first and metal case side up, in the film pack holder. Pull tabs should protrude beyond the catch buttons (1). Use 520 size film pack (12 exposures).

ROLLFILM HOLDERS

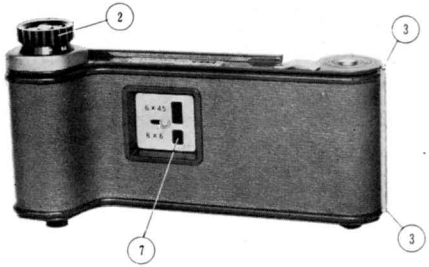
Two types of rollfilm holders for the MAMIYA

PRESS are available: for 8 exposures of 6×9 cm negative size from a roll of 120 film, or for 10 exposures of 6×7 cm negative size. Both holders can be used for taking pictures of 6×6 cm or 6×4.5 cm size; however filmwind stop and exposure counter cannot be used in this case, the red window must be used for visual check of film advance.

AUTOMATIC FILMWIND STOP

By operating the filmwind stop release lever (1), the filmwind knob (2) can be freely turned. Turn exposure counter indicates the triangle start position. Open backlid by pulling out both ends of the backlid catch (3).

Place unexposed film in film chamber. Secure end of paper leader to empty take-up spool. Commence winding carefully, while holding down the paper leader lightly at the triangular start mark (4) position, so that the strip is taken up evenly. When the start mark on the back of the paper leader appears, align with the camera start mark (4). Close backlid. When closing backlid, the



pressure plate may cause the film and camera start marks to go out of alignment. This is quite in order.

When securing end of paper leader to slit of take-up spool, exercise the greatest care to effect a good junction. If fitting is poor, the take-up action will

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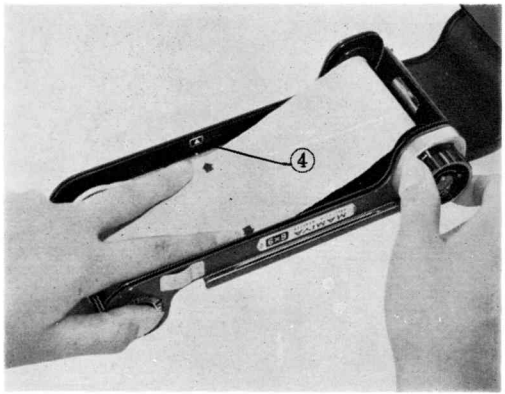
not be even and straight, causing distortion of the film surface.

Operate filmwind stop release lever (1) once, then wind until filmwind knob locks. The first frame of the rollfilm is now in position for picture-taking. Attach rollfilm holder to camera, then pull out slide cover.

After each shot, operate filmwind stop release lever (1) to permit winding and transport of film to next frame. When removing rollfilm holder from camera with unexposed film remaining inside, always insert slide cover (6), then push in safety catch (5) so that slide cover cannot be pulled out inadvertently after rollfilm holder has been removed.



6×6 CM OR 6×4.5 CM NEGATIVE SIZE

Load rollfilm holder with film, with filmwind stop mechanism in free turning position. After closing backlid, open red window cover (7) and turn filmwind knob (2) until numeral 1 appears in red window.

When taking pictures of 6×6 or 6×4.5 size, fit appropriate masks on rollfilm holder before attaching to camera body. Masks can be easily fitted if they are bent slightly lengthwise.

After first exposure, wind film while watching red window for frame number to appear.

For all sizes other than the standard 6×9 cm, the optical viewfinder window must be corrected by means of the corresponding mask.