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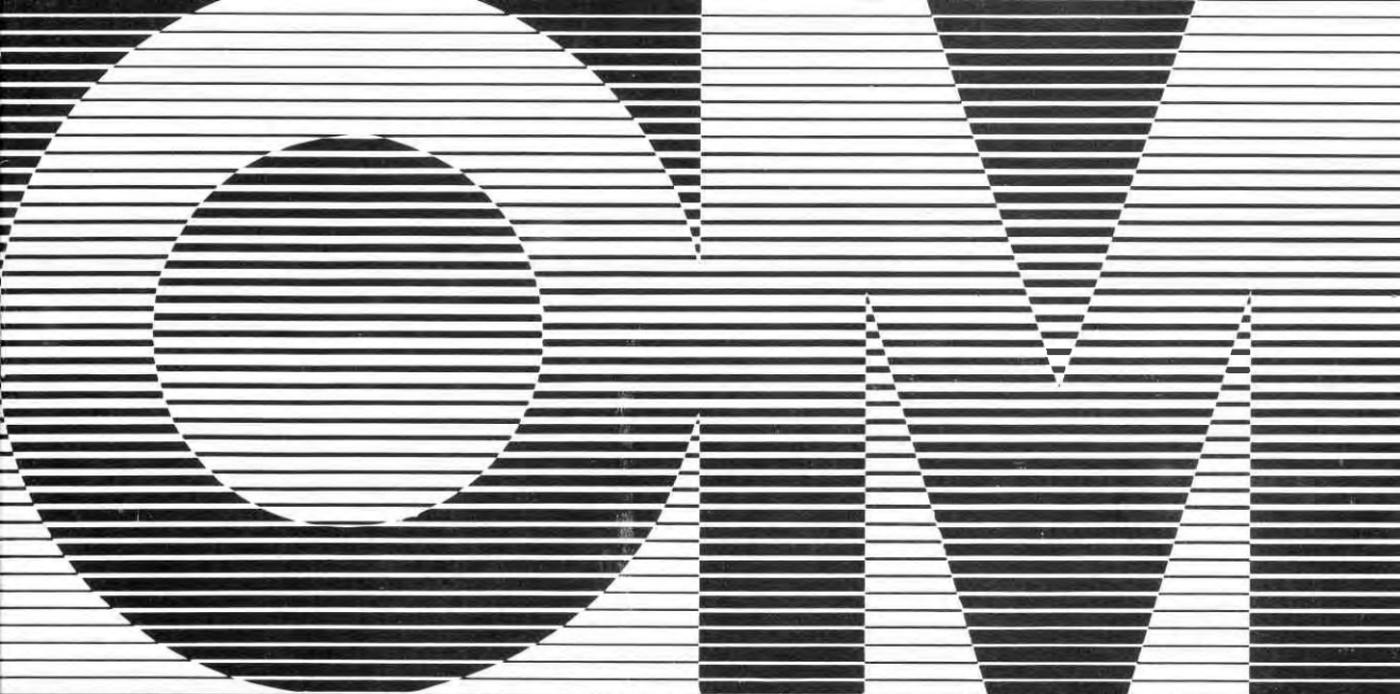
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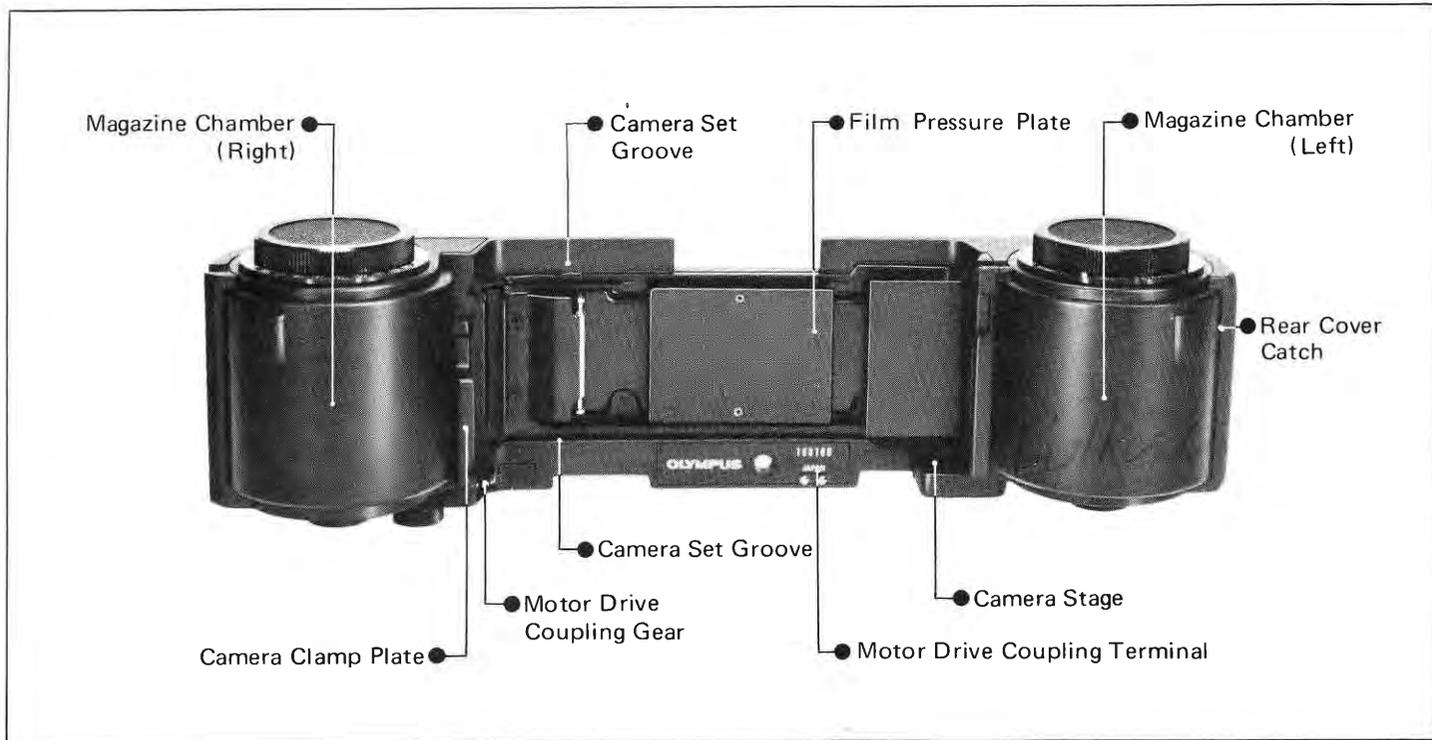


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OLYMPUS



**OPERATING INSTRUCTIONS
FOR 250 FILM BACK 1**



SPECIFICATIONS

● **Camera:** Olympus OM-1 MD (prepared for Motor Drive) ● **Camera Mounting:** Clamps on camera body in place of standard back ● **Film capacity:** Up to 10m (33 ft.) of standard 35mm (24 x 36mm format)

film ● **Film Loading:** Uses two 250 Film Magazines to act as supply spool and take-up spool ● **Film Winding:** Automatic single or sequential winding with Motor Drive and manual winding with camera's Advance Lever ● **Exposure Counter:** Subtractive type with

manual reset: automatic stop at "0" ● **Film Type Indicator:** Manual setting type ● **Rear cover:** Hook-on type, fixed by the Open/Close Knob through the Lock Key ● **Dimensions:** 63 x 272 x 85mm (2 1/2" x 10 3/4" x 3 3/8") ● **Weight:** 600gr. (21.2 oz)

Open/Close Knob
(Left)

Camera Holder

Open/Close Knob
(Right)

Lock Key Plate

Lock Key

Film Type Indicator

Rear Cover

Exposure Counter



Fork Knob
(Left)

Camera Clamp Knob

Fork Knob
(Right)

The 250 Film Back 1 is used with the Motor Drive 1 to provide up to 250 exposures on 10m (33 ft.) lengths of bulk load film. Two 250 Film Magazines are required with the Film Back 1 and an optional 250 Film Loader is available to make film loading from 33m (100 ft.) bulk film rolls fast and easy.



1) Remove the standard back of the OM-1 by opening the cover fully and pressing down on the Rear Cover Release Pin.



2) Turn the Open/Close knob on top of each Magazine Chamber on the Film Back toward the "REAR COVER OPEN" position until it stops.



3) Turn the Camera Clamp Knob at the base of the right Magazine Chamber in the opposite direction of the arrow until it stops. This will release the Camera Clamp Plate and allow you to attach the Film Back to the OM-1.



4) Place the left side of the camera (side with Rewind Crank) on the Camera Stage of the Film Back and push the camera towards the Back until the two units are flush against each other.

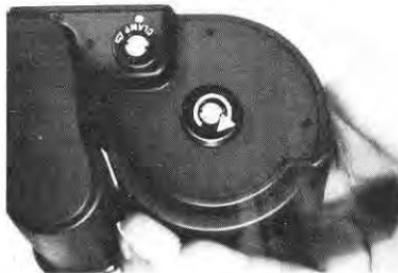


5) While pressing the right side of the camera against the Film Back, turn the Camera Clamp Knob in the direction of the arrow until it stops. The Camera Clamp Plate will close locking the camera firmly against the Film Back 1.

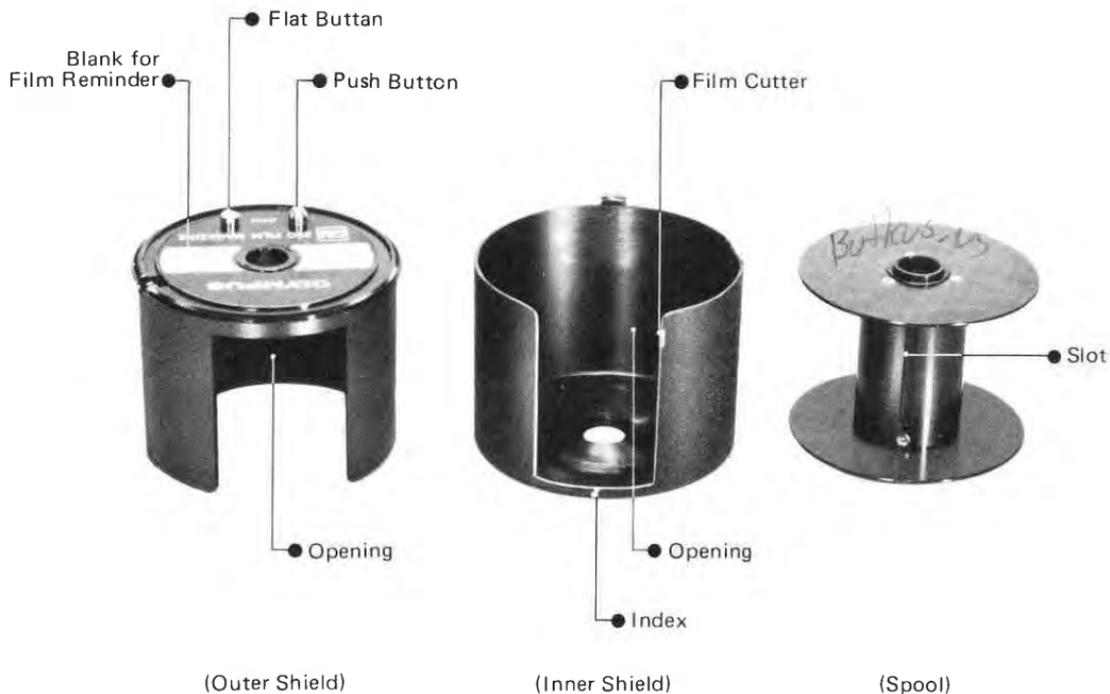


6) Attach the Motor Drive 1 to the camera. **Open the Coupling Gear Cover on the base of the Motor Drive 1. The gears must be completely exposed** to ensure proper coupling with the Film Back.

NOTE: The Motor Drive can be attached either before or after the Film Back is attached.



7) Make sure the units are attached properly by operating the camera's film advance lever or the motor drive. The Fork Knob at the base of the right Magazine Chamber will rotate indicating that the film advance mechanism is functioning.

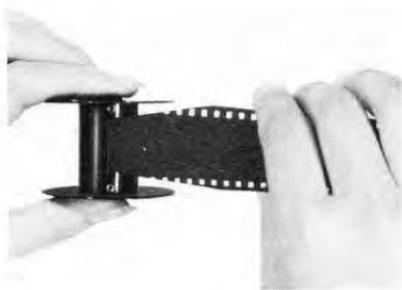




Two 250 Film Magazines are required for the Film Back 1. One Magazine holds the bulk film while the other acts as the take-up spool.

1) Dismantle both Film Magazines. Press the Push Button atop the Film Magazine and turn the serrated edge of the Inner Shield clockwise until the openings of the Inner and Outer Shields are aligned. Remove the Inner Shield and Spool by lifting away from the Outer Shield.

IMPORTANT: The following steps must be performed in the darkroom.



2) Cut and taper the end of the bulk film to make a leader. Hold one of the spools in one hand and with the film in your other hand, insert the film leader into the spool's slot, emulsion side (dull side) down. Do not fold back the leader.

NOTE: If the leader is folded back on the supply spool, the film may not come off the spool smoothly. Since the leader will eventually be rolled into the take-up magazine, a fold at the end of the roll may result in torn film or entanglement in the shutter curtain after release from the supply spool.



3) Continue spooling the bulk film with the emulsion side down until the desired length has been reached. Cut the film end from the bulk film roll.

4) Place the supply spool in the Outer Shield with the unwound film tip facing the direction of film wind, as shown above. Leave approximate 10cm (4 in.) of film leader coming out from the Magazine.



5) Align the opening of the Inner Shield with the opening of the Outer Shield and drop into place.

6) Hold the tip of the film leader against the Outer Shield and turn the Inner Shield **clockwise** using the flat button on top of the Magazine. The Inner Shield will lock into place with a positive click making the magazine completely lighttight.

NOTE: The following steps may be done with the lights on. (Film loading should never be done in **direct sunlight**.)

1) Cut and taper the extending film leader so it can be inserted into the slot in the take-up spool.

2) Fold back the tip of the leader inside (toward the emulsion side) making a 6mm (1/4") hook. Place the folded leader into the slot in the take-up spool and wind the film over the spool (with the emulsion side of the film inside) for several turns until it is spooling securely.

3) Drop the take-up spool into the Outer Shield.

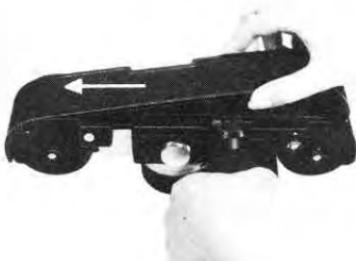
4) Align the opening of the Inner Shield with the opening of the Outer Shield and drop into place.

5) Turn the Inner Shield **counter-clockwise** using the flat button on top of the magazine until it locks into place with a positive click.

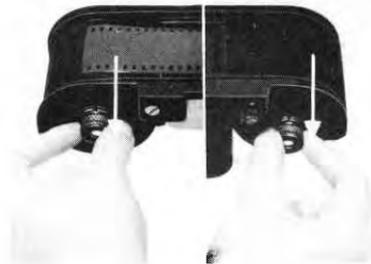
NOTE: On the take-up spool, the leader must be folded back.



1) Turn the Open/Close Knobs on the top of each magazine to "OPEN" and release the back cover of the 250 Film Back by lifting on the Rear Cover Lock Key. Remove the cover by shifting it slightly to the left and lifting off.



NOTE: The back cover does not hinge, so hold it firmly and lift it off the Back completely.



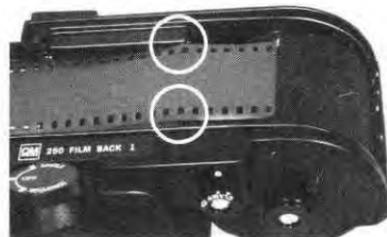
2) Pull down on the Fork Knobs of each magazine chamber.



3) Place the supply magazine in the left chamber and the take-up magazine in the right. Line up the red index marks on the magazines with the white index marks on each chamber and snap the magazines into place.



4) Push the Fork Knobs back into their original position.
5) While lightly pushing the slackened film into the magazine with your right fingers, take up any slack in the film by turning the Fork Knob on the left magazine counter-clockwise.



6) Make sure the film is evenly spaced between the film guides and that the perforations of the film engage with the Exposure Counter Sprocket.



7) Place the rear cover of the 250 Film Back on by hooking the left end onto the catch provided at the left end of the Back. Carefully press the right end into place so the hooks of the cover slide under the edge of the back and snap into place.



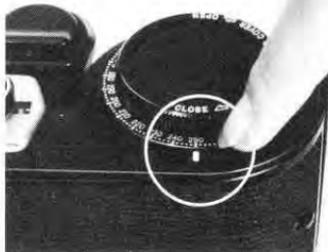
8) Turn the Open/Close Knob on the right chamber to "CLOSE". This locks the Camera Clamp Knob and Rear Cover Lock Key into place, and opens the Take-up Magazine.

NOTE: If the rear cover has not been closed completely, the Rear Cover Lock key protrudes up and the film might be damaged by the Lock Key Plate. If this occurs, lift up on the Lock Key all the way to release the cover and replace.



9) Turn the Open/Close Knob on top of the left chamber to "CLOSE". This extends the Camera Holder and opens the Supply Magazine.

10) To make sure the film advances properly:
Advance the film either manually or with the motor drive for 5~6 frames. Make sure that the exposure counter rotates correctly.



11) Set the exposure counter on the 250 Film Back to the desired number of frames. (Make sure the Open/Close Knob has not been moved from the "CLOSE" position.) The counter moves during picture taking to show the number of unexposed frames remaining.



12) Set the Film Type Indicator on the top of the left chamber as a reminder of the type of film you are using. (Make sure the Open/Close Knob has not been moved from the "CLOSE" position.)

NOTE: The Film Type Indicator is a "reminder" and not coupled to any mechanism.

Refer to your Manual for Motor Drive Group.



1) When the motor drive stops and the Exposure Counter indicates the last frame has been exposed ("0"), turn the Exposure Counter back to 10 frames ("10"). Cover the camera lens and advance the film 6 frames. This will safely wind the last few exposed frames into the take-up magazine to prevent fogging when opening the back.



2) Turn the Open/Close Knobs on both chambers to "OPEN". Pull up on the rear Cover Lock Key and remove the rear cover.
3) Pull down on the Fork Knob of the right chamber and remove the magazine by inverting the Film Back and shaking gently.

1) Shoot 6 "blank" frames to advance your last exposures safely into the take-up magazine.

2) Turn the Open/Close Knobs on both chambers to "OPEN". Pull up on the Rear Cover Lock Key and remove the rear cover.



3) Remove the left film magazine, and cut the film by pressing it against the film cutter of the take-up magazine and tearing towards you and down. This leaves a leader extending from the left magazine to be used for spooling the remaining unexposed film.



4) To remove the right magazine, pull down on the Fork Knob of the right chamber and remove the magazine by inverting the Film Back and shaking gently.

NOTE: It's a good idea to jot down the number of unexposed frames in the supply spool for future reference.