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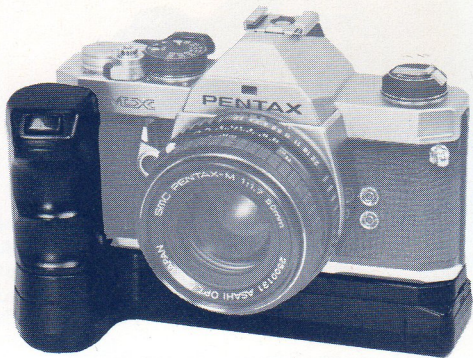
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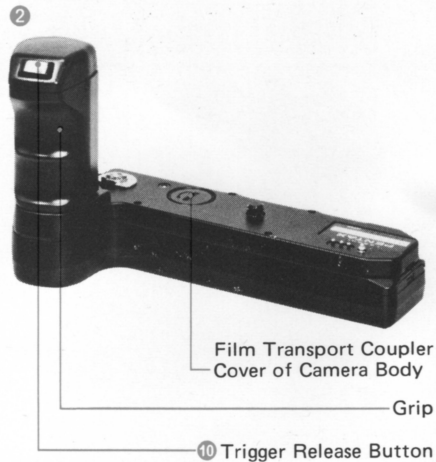
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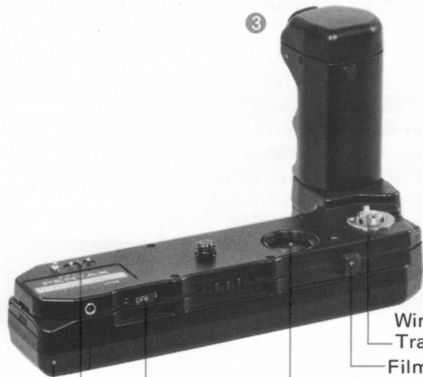
WINDER
MDX

OPERATING
MANUAL



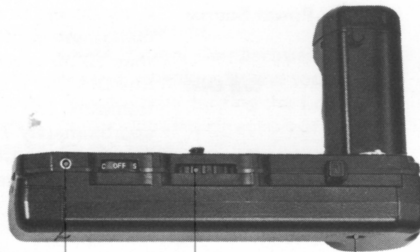
NOMENCLATURE





3

Winder Film
Transport Coupler
Film Rewind Lever
Receptor for Film Transport
Coupler Cover of Camera Body
C/S Dial
Direct Contact Terminals
Battery Compartment



4

Tripod
Socket
Winder Attachment Screw
Confirmation LED

SPECIFICATIONS

| | |
|--------------------------------|--|
| Power Source | 4 manganese or alkaline penlight batteries (6V). One set of manganese batteries will supply sufficient power to transport more than 20 36-exposure rolls under normal circumstances. |
| C/S Dial | The C/S Dial is set to S for single-frame exposure (automatic film transport, one frame at a time), to C for consecutive exposures of up to approximately 2 fps, and to OFF to extinguish power. |
| Exposure Counter | The Exposure Counter of the camera body is used. |
| Shutter Release | Shutter is released with the built-in Trigger Release Button of the Grip. |
| Usable Shutter Speeds | All shutter speeds, but B, are usable for single-frame or consecutive exposure operation. |
| Confirmation Provision | Whenever the shutter is tripped and the film automatically transported, a red LED illuminates in confirmation. |
| Tripod Socket | Built-in standard tripod socket for mounting the unit (with camera attached) to a tripod. |
| Dimensions & Weight | 144mm(L) x 87mm(H) x 67mm(D) 305g (w/batteries) MX Body & Winder MX: 144mm(L) x 108.5mm(H) x 72mm(D) 800g (w/batteries) |

• LOADING BATTERIES AND ATTACHING TO CAMERA

Fig. 5 To remove the Battery Compartment Cover ②, turn the Lock Wheel ① in the direction of the arrow.

Fig. 6 Insert 4 manganese or alkaline penlight batteries into the Battery Compartment, exercising care that the poles match those

indicated on the diagrams.

Fig. 7 Replace Battery Compartment Cover ②, aligning the cover opening ③ and tongue, and then lock into place by turning the Lock Wheel ① in the opposite direction of that indicated by the arrow.

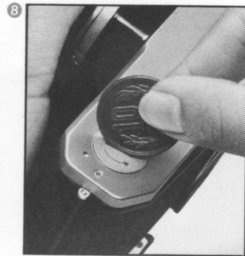
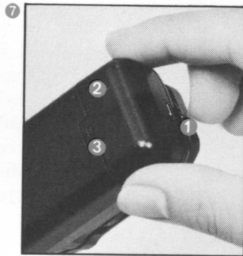
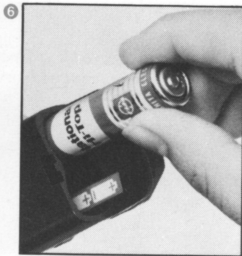
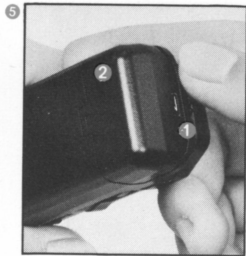


Fig. 8 Remove the Film Transport Coupler Cover of the camera by rotating it counterclockwise with a coin.

Fig. 9 In order not to lose the Coupler Cover, secure it to the receptor ⑥ of Winder MX ⑤ with a coin.

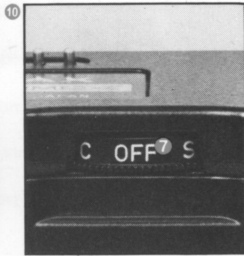
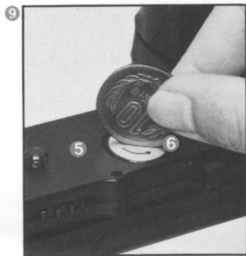
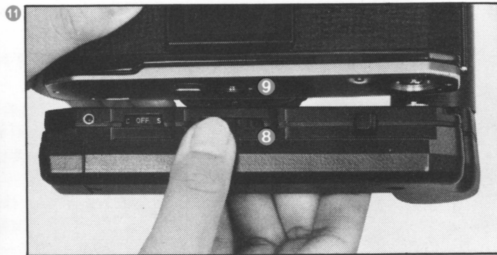


Fig. 10 Set the C/S Dial ⑦ of Winder MX to OFF.

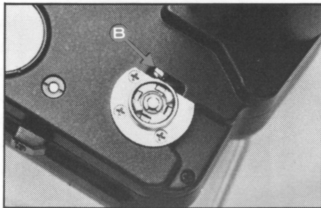
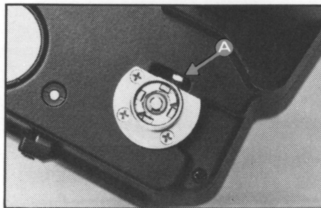
Fig. 11 Attach Winder MX to the Tripod Socket ⑨ of your Pentax MX by fitting camera and winder together and rotating the Winder Attachment Screw ⑧ clockwise.



CAUTION

The Release Lever should be in position **A** (see arrow in the accompanying illustration) before attaching Winder MX to the camera body. If attached with the Release Lever in position **B**, automatic film winding will not occur even though the winder motor operates. If the Release Lever of Winder MX is at position **B**, merely set the C/S Dial to either C or S, depress the Trigger Release Button, and the Release Lever will return to its correct position. Next, set the C/S Dial to "OFF" and attach winder to camera body. If the two following precautions are observed, the Release Lever of Winder MX will not move to position **B**.

1. When desiring to stop consecutive or single-frame exposure operation, remove your finger from the Trigger Release Button of the Winder MX Grip *before* setting the C/S Dial to "OFF".
2. Do not depress the Trigger Release Button of Winder MX when the C/S Dial is set either to C or S and the Shutter Speed Dial of the camera body is set to B (bulb).



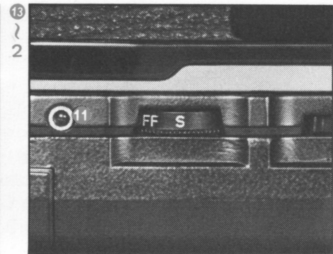
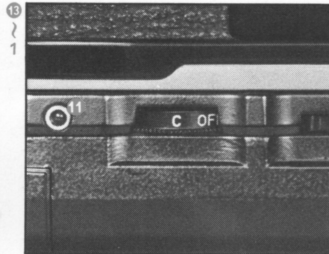
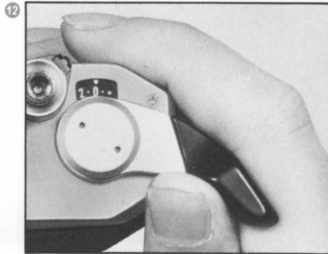
• OPERATING PROCEDURE

Fig. 12 Load the MX with film and manually advance the film with the Film Advance Lever. Shoot two blanks, advancing the film until the Exposure Counter indicates 1 (one).

Fig. 13 Set the C/S Dial to either C or S. When set to S (single-frame exposure), the shutter will be tripped when the Trigger Release Button on the Grip of Winder MX is depressed, and upon releasing pressure from the button

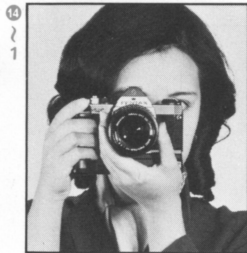
(either during or after shutter operation), the film will be automatically advanced one frame and the shutter cocked, ready for the next exposure.

When the C/S Dial is set to C (consecutive exposures), exposures will be made up to approximately 2 fps as long as the Trigger Release Button on the Grip of Winder MX is depressed. The actual frame-per-second rate will depend upon such factors as the condition



of the batteries and the shutter speed in use (it is obvious, for example, 2 fps is not possible if the Shutter Speed Dial is set to 1 sec.). The red Confirmation LED ⑪ illuminates when the shutter is tripped and during the instant the film is automatically advanced, as confirmation of proper functioning.

Holding the camera horizontally.



Holding the camera vertically.



● PRECAUTIONS

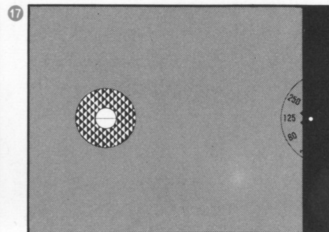
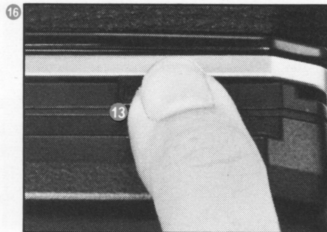
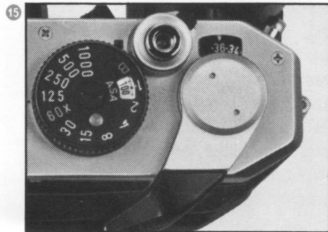
1. If the shutter is tripped via the Shutter Release Button of the camera body (see ⑫ of illust. ①, p. 2) instead of the Trigger Release Button ⑩ on the Grip of Winder MX, the film will not be automatically transported. At such a time, it can be manually transported with the Film Advance Lever or automatically transported by depressing the Trigger Release Button of the Winder MX Grip.
2. With Winder MX attached to the Pentax MX, usable shutter speeds are 1/1000 - 1 sec. If the Trigger Release Button of Winder MX is depressed with the Shutter Speed Dial set to B (Bulb), it will result in a T (Time) exposure. To close the shutter at such a time, set the Shutter Speed Dial to 1/15 sec. or shorter ("faster") shutter speed. When this is done, the shutter will close, the film will be automatically transported, and the winder will then stop.

Fig. 15 When the film is completely exposed, the sound of Winder MX will suddenly change. Check the Exposure Counter to ascertain that all the exposures (20 or 36) have been made.

Fig. 16 Next, push the Film Rewind Lever ⑬ of Winder MX to the left and then upward. When this is done the Film Rewind Button of the camera will be locked in the upraised position, enabling you to rewind the film.

Fig. 17 Whenever the Trigger Release Button

of the Winder MX Grip is depressed, the viewfinder exposure read-out LED's will illuminate for exposure control. If the Film Advance Lever of your Pentax MX is slightly pulled away from the camera body to its click-stop position (see illust. ⑮), the LED's in the viewfinder will stay on, making it easy to adjust for minute changes in exposure, even during consecutive exposure operation of Winder MX.



- **Caution Against Drop in Battery Voltage**

When the batteries are exhausted, or when working at extremely low temperatures, Winder MX may suddenly stop functioning, and the Confirmation LED ⑪ may continue to glow. At such a time, set the C/S Dial to OFF and replace the batteries with fresh ones, or temporarily store them in a warm place (e.g. your pocket).

- **Mounting Winder MX to a Tripod**

Winder MX is provided with a Tripod Socket (p. 3, illust. ④) so that it may be secured to a tripod (illust. ⑱).

- **Self-Timer Operation**

Even when your Pentax MX is attached to Winder MX, the Self-Timer may be used. However, as there is no coupling between it and Winder MX, the film will not be automatically transported after Self-Timer operation.

⑱





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