

OLYMPUS®

OM77AF

■ INSTRUCTIONS



Thank you for purchasing the Olympus **OM77AF**. The **OM77AF** is a fully automatic SLR camera which incorporates the very latest in photographic technology in an incredibly compact form. Autofocus, programmed exposure modes and an optional Power Flash Grip 300 all facilitate problem-free photography. In addition, connected to a Full-Synchro Flash F280, the world's first flash unit capable of synchronizing with any shutter speed up to 1/2000 sec., the **OM77AF** offers the user a simple, error-free method of attaining professional-level results in areas such a fill-in flash photography.

Before using the camera, please study this instruction manual carefully with the **OM77AF** in front of you, so that you can get the very best performance and service life from your new camera.

The following symbols are used during explanation of operating procedures.

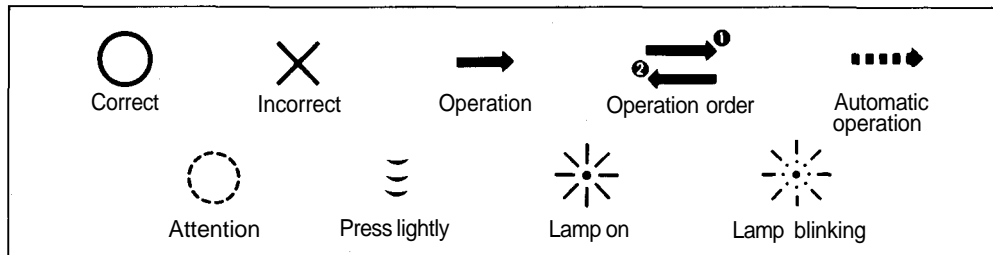


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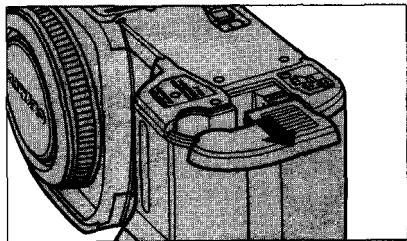
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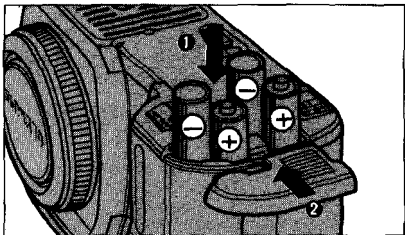
Preparations before Taking Pictures

Loading the Power Flash Grip 300 Batteries

Do not use different types of batteries, or new and old batteries at the same time. Remove the batteries if you are not likely to use the camera for a long time.



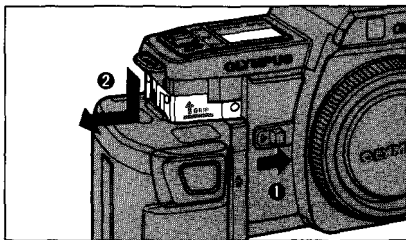
- 1 Remove the battery cover on the bottom of the grip.



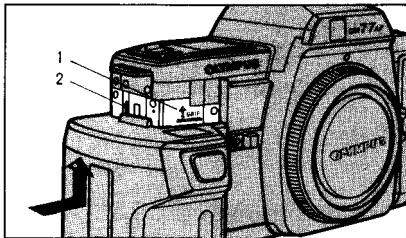
2

Insert the batteries in the correct directions and replace the cover.

4 LR03 (AAA) batteries



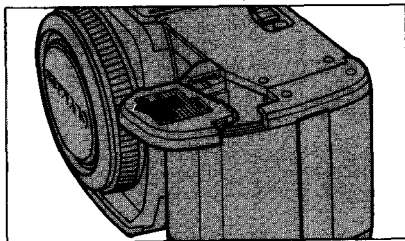
To remove the grip, slide the grip lock knob and push down on the grip.



To replace the grip, align with the indicators ① and ② and then push up until it locks.

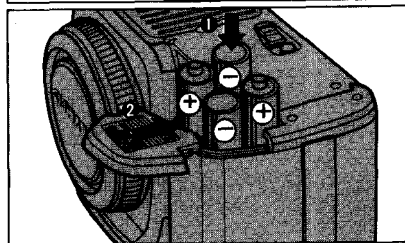
Note: Slide the power switch OFF when loading batteries or replacing the grip.

Loading the Power Grip 100 Batteries



1

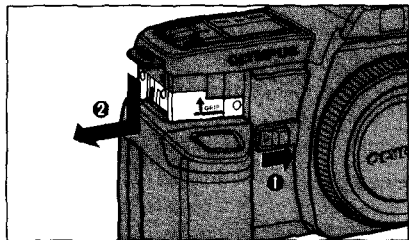
Remove the battery cover on the bottom of the grip.



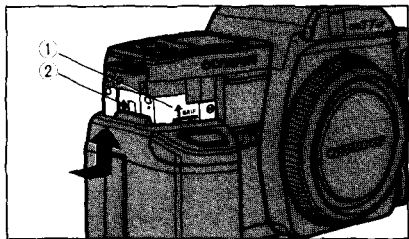
2

Insert the batteries in the correct directions and replace the cover.

4 LR03 (AAA) batteries



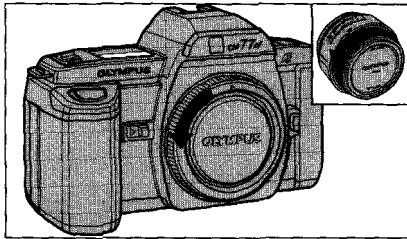
To remove the grip, slide the grip lock knob and push down on the grip.



To replace the grip, align with the indicators ① and ② and then push up until it locks.

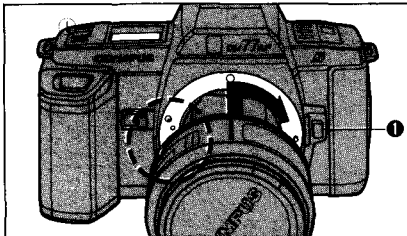
Mounting an AF Lens

To mount an OM lens, refer to page 37.



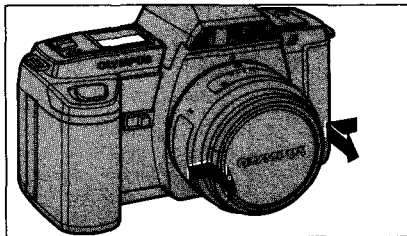
1

Remove the rear lens cap and the body cap.



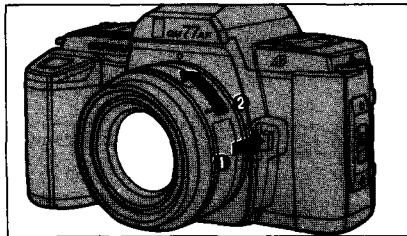
2

Align the red dots and slowly rotate the lens until it locks. Do not touch the lens release button ① when mounting the lens.



3

Remove the front lens cap.



Removing the Lens:

Press the lens release button and turn the lens counterclockwise.

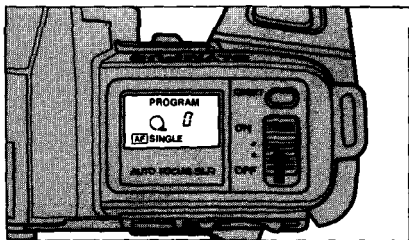
OM77AF

Taking Photographs I

With autofocus and programmed exposure, the **OM77AF** puts the fascinating world of SLR photography at your fingertips; a perfect shot is only a press of the shutter release away.

Turning on the power

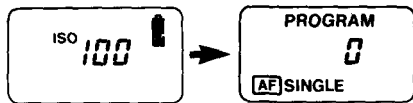
When power is switched ON, the lens is set to ∞ and all functions reset (see page 28).



1

Slide the power switch ON.

Film speed and battery condition are shown for 1.5 sec.



OK



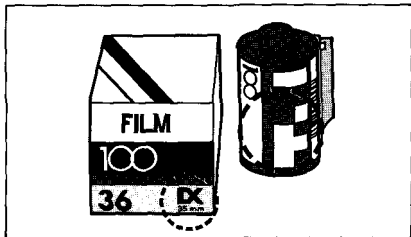
Battery power below 50 %



Change the batteries.

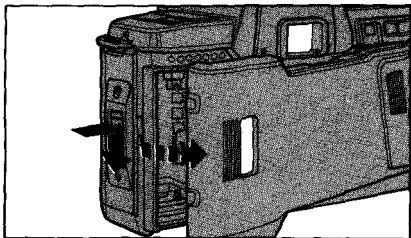
Loading the Film

Loading and film-speed selection for DX film are automatic. Use only ISO 100 when using non-DX film.



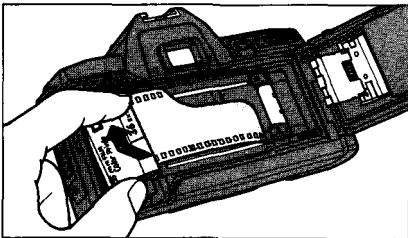
1

Make sure film is DX type.



2

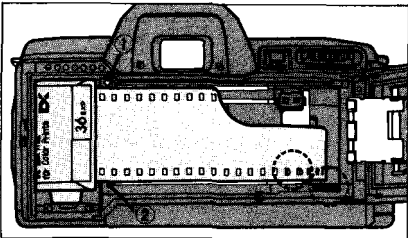
To open the back, press the locking button and slide the release knob.



3

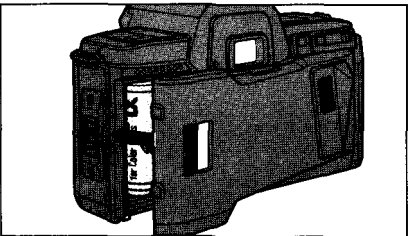
Avoiding direct sunlight, insert the film cartridge.

Take care not to touch the shutter curtain with your finger or the film leader.



4

Align the film leader with the mark and gear the sprocket teeth to the film perforations.



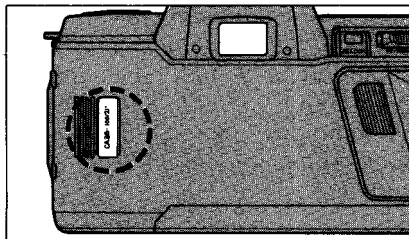
5

Close the camera back and

The film is automatically wound on until the exposure counter reads 1.

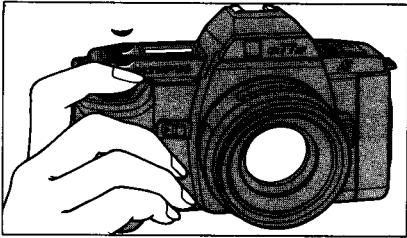


When the film is incorrectly loaded, Q blinks. Reload the film.



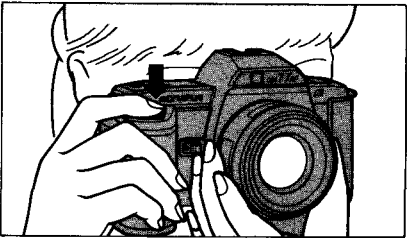
Film type confirmation is possible through the window in the camera back.

Taking Photographs



1

Press the shutter release halfway to activate the viewfinder display.



2

Frame your subject.



(The display continues for 30 sec.)

Do not touch the front-most part of the lens.



3

Place your subject in the center of the autofocus frame.




4


Press the shutter release halfway to focus.

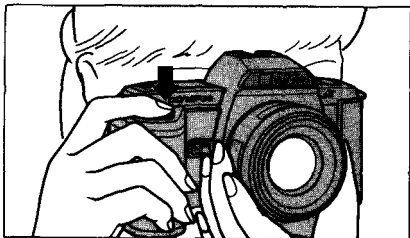
A green light indicates the subject is in focus. (A red light indicates autofocus is not possible.)



Over-exposure
warning: 
blinks.

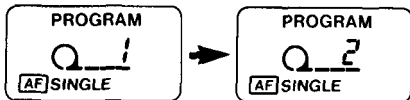


Under-exposure
warning: 
blinks.

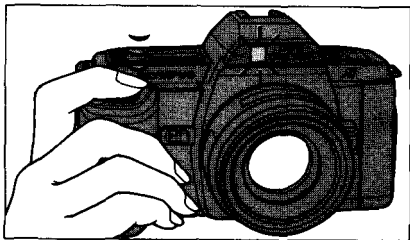


5


Press down on the shutter release.



The film is automatically advanced one frame.

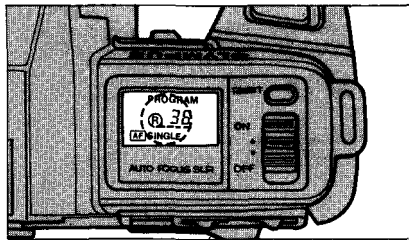


In poor light conditions, the autofocus illuminator is automatically activated to determine the correct distance. However, there are some cases depending on the type of lenses used in which it cannot be used. Even in these conditions the subject distance can be determined when using the F280.

When battery power falls below 50 %,  blinks after each shot, and charge time is increased when using the Power Flash Grip 300; therefore, changing the batteries is recommended.

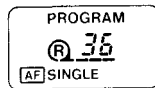
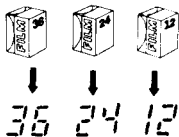
Rewinding the Film

Film rewind is also automatic.

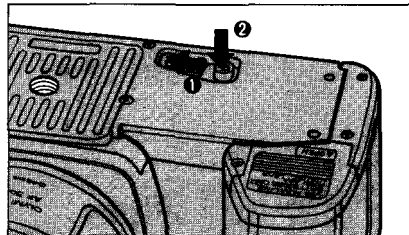


1

Confirm that you have reached the end of the film.



R blinks.

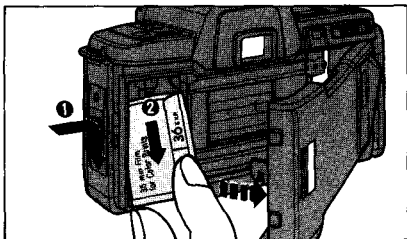


2

While sliding locking knob ①, press the rewind button ②.



On completion of rewind, the shutter is released,  flashes and the frame counter reads "0".



3

Open the camera back and remove the film.

The film is completely rewound into the cartridge.

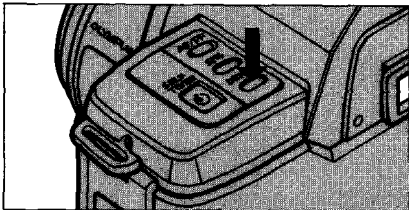
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Taking Photographs II

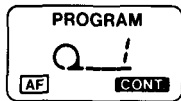
With a Continuous AF mode, and a Program Shift that lets you choose at any time to shift within the program in an aperture or shutter-preferred manner, the **OM77AF** provides for the expression of every photographic idea.

Taking a Continuous Series of Shots

Continuous focusing and shooting is especially useful when shooting moving subjects. As soon as the subject is in focus, the picture is taken and the film wound to the next frame. This process is repeated as long as the shutter release is held down.

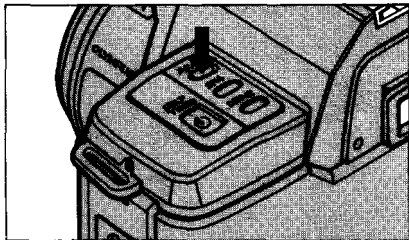


Press the DRIVE button to enter the **CONT.** mode.
Press the shutter release.



Using the Power Focus

Useful when autofocusing on a subject is difficult. (Refer to page 51.)

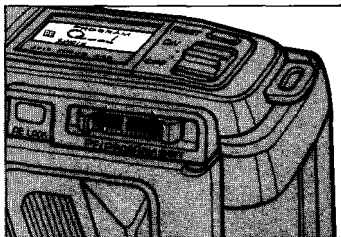


1

Press the AF/PF selection button to enter the "PF" mode.



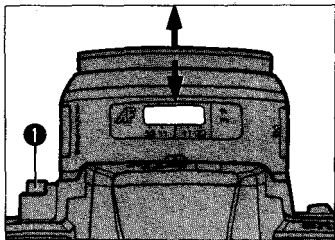
PF blinks.



2

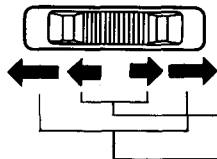
Slide the shift knob.

Green LED in the viewfinder blinks during power-focusing.



When the knob is shifted to the right, the lens focuses on closer subjects. When shifted to the left, the lens focuses on farther subjects.

Be sure not to press the lens locking button ① while using the power focus as this will put the camera into autofocus mode.



Light pressure: Fine adjustment.

Firm pressure: High speed adjustment.

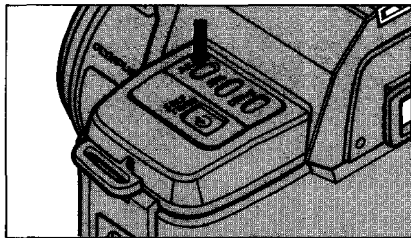


3

When the subject within the focusing screen is in focus, press the shutter release.

Using the Program Shift

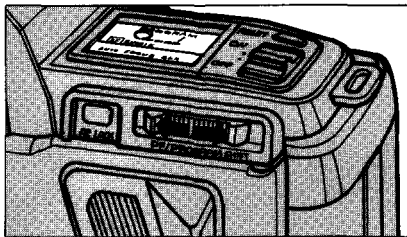
Aperture and shutter speed can be set freely while maintaining correct exposure.



1

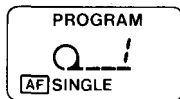
Press the AF/PF selection button to enter the AF mode.



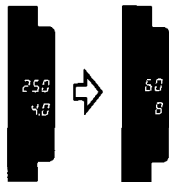


2

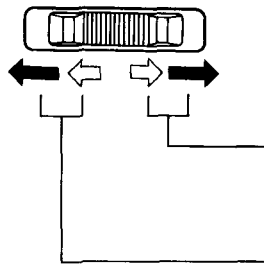
Slide the shift knob.



PROGRAM blinks.



Continue pressure on the knob until the desired shutter speed/aperture combination appears in the viewfinder.



⇐ Light pressure: 1/2-stop shifts.

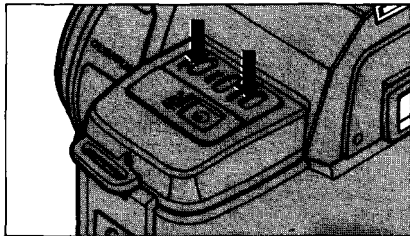
⇐ Firm pressure: Continuous change.

Shutter speed increases.

Shutter speed decreases.

Faster shutter speeds will stop action. Large apertures will keep your subject sharp and background out of focus. Smaller apertures will maximize sharpness throughout your picture.

Using the Focus Lock System



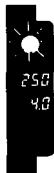
1

Press the button to enter the **AF**/SINGLE mode.



2

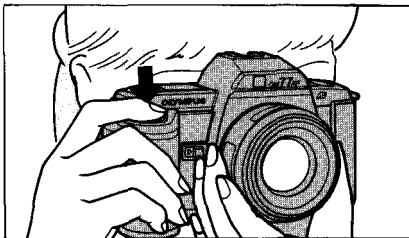
Press the shutter release lightly, making sure the center subject is in focus (green LED lights).





3

While pressing the shutter release lightly, change the composition of the picture as you like.



4

Press the release fully to take the photograph.

Using the AE Lock

Useful for shooting against strong backlight. The AE and AF locks can be used together on the same subject.



1

To eliminate extraneous light, approach the subject so that it fills the viewfinder.



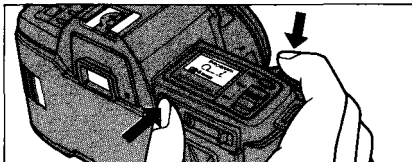
2

Press the AE lock button.



3

While continuing to hold in the AE lock button, change the composition of the photograph as desired.



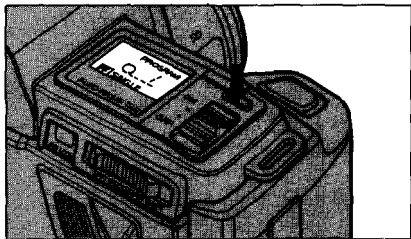
4

Still holding in the AE lock button, press the shutter release.



Using the AE lock, the subject is properly exposed no matter what the background lighting conditions.

Using the Reset Button



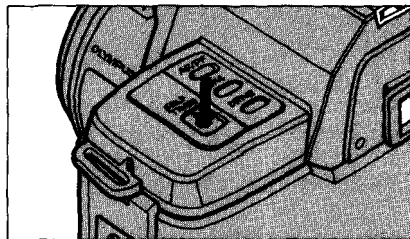
Press the reset button.




1. **MF**, **S**, **PF**, **CONT** modes and any program shift will be cancelled and the mode set to PROGRAM, **AF**/SINGLE.
2. The lens will be reset to ∞ .
3. The ISO speed will be displayed.
4. The battery condition will be displayed.

Using the Self-Timer

The camera should be fixed firmly, for example, on a tripod.

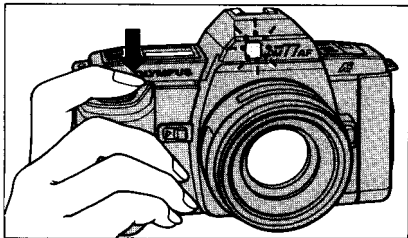


1

Press the self-timer button.  indicates self-timer activation.


Press the shutter release lightly to focus on your subject (green LED lights).





2

Press the shutter release fully to start the 12 sec. self-timer.

 blinks. (The shutter will fire in 12 seconds and the self-timer mode will be released.)

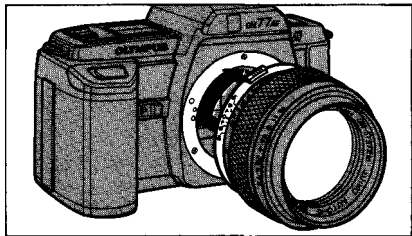
To avoid incorrect exposure in the self-timer mode, ensure that strong light does not enter through the viewfinder.

The self-timer can be cancelled by any of the following methods:

1. Pressing the self-timer button again.
2. Pressing the reset button.
3. Turning the power OFF.

Using an OM Lens

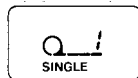
The OM77AF switches to aperture-preferred auto mode. Autofocus is not available.



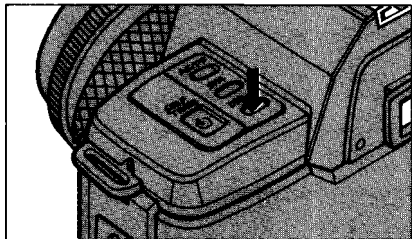
1

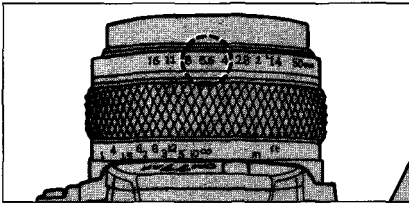
Align the red dots and rotate the lens until it locks.

2



Select either **SINGLE** mode (for single frame winding) or **CONT.** mode (for continuous winding).





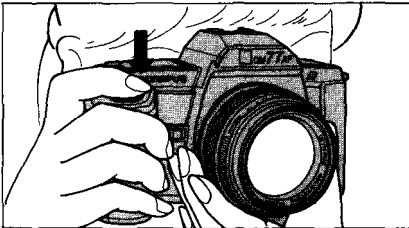
3

Select an appropriate aperture.



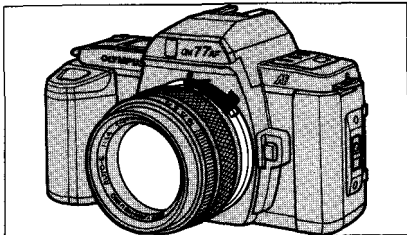
4

Turn the focus ring to focus on the subject.



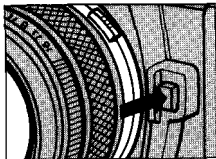
5

Compose the shot and press the shutter release.



6

To detach the lens, press the ribbed button on the side of the lens and turn counter-clockwise until it is free.



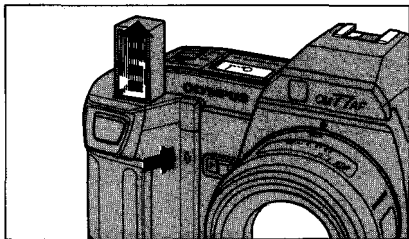
CAUTION: The lens cannot be removed by pressing the lens locking button on the camera's body. In-Focus/Focus Impossible LED, shutter speed or aperture indication will not appear in the viewfinder, the self-timer will be inoperable and the Super FP Flash mode of the F280 will not be available.

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Taking Photographs III (Flash Photography)

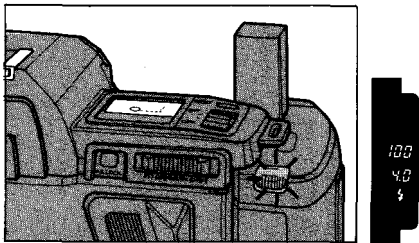
With the Power Flash Grip 300 mounted, the **OM77AF** is the world's first autofocus SLR with a built-in flash. When connected to the Full-Synchro Flash F280, the first electronic flash in the world capable of synchronizing with all shutter speeds up to 1/2000 sec., it can be used in any light conditions to provide for simple fill-in flash photography at a touch of the shutter release.

Using the Power Flash Grip 300




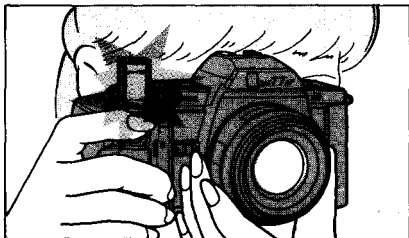
1

Press the flash pop-up lever to release the flash and begin charging.



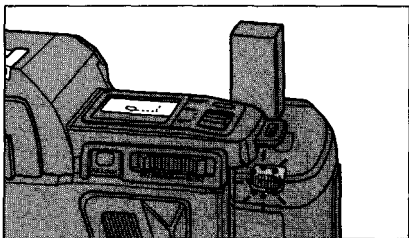
2

Check the charge indicator on the Power Grip's back or the  indicator in the viewfinder.





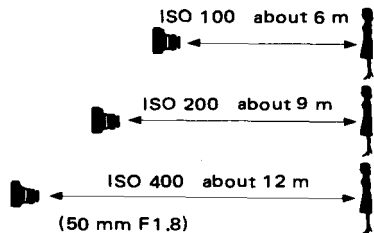
3

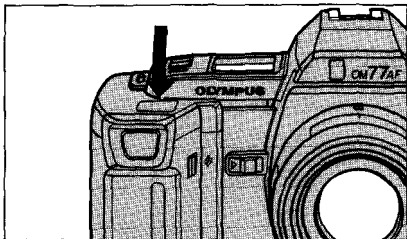
Press the shutter release.



4

Check the flash indicators.  will blink to indicate correct exposure.  does not appear if the subject was underexposed.





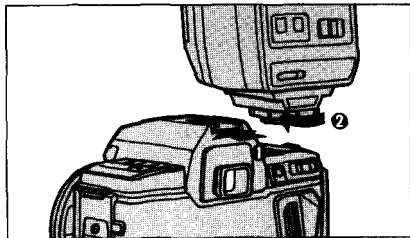
5

Push in the flash reflector after use, and slide the power switch OFF.

- Do not cover the flash reflector with your fingers.
- The flash area is sufficient for lenses as wide as 36 mm.
- The flash will not operate at speeds greater than 1/100 sec., or before completing recharge.
- Charging stops when the power switch is turned OFF, or when the viewfinder display disappears. (Refer to page 16.)

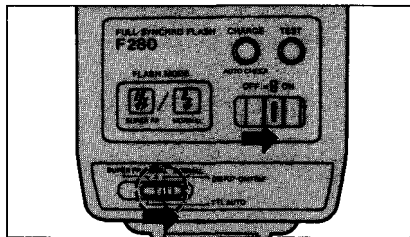
Using the Full-Synchro Flash F280

A fully synchronized flash that is useful for fill-in flash photography as well as at night.



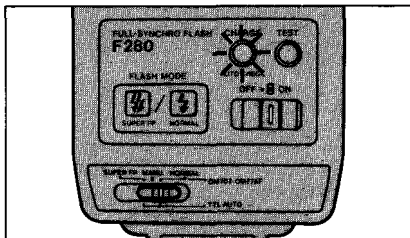
1

Slide the F280 into the shoe and secure it with the lock-screw.




2

Turn the power switch ON, and set the mode switch to **NORMAL** (OM-707/OM-77AF). A Super FP or Normal "OTF" Flash will be selected automatically depending on the subject brightness.




3

Check the charge indicator.

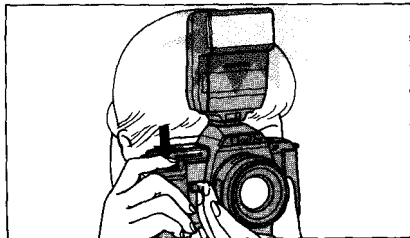
When in dark places,  lights and the unit fires in the Normal "OTF" Flash mode.



When in bright places,  lights and the unit fires in the Super FP Flash mode.

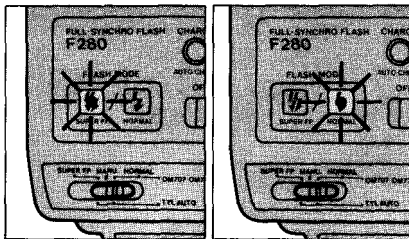


In the Normal "OTF" Flash mode the working range is 1 m — 7 m (3.3 — 23 ft) (50 mm F1.8 lens). You should consult the flash instruction manual for full details.



4



Press the shutter release.



5

Check the flash emission.



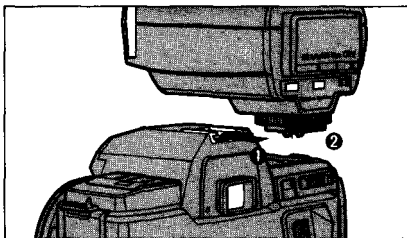
 blinks to indicate correct exposure in the Normal "OTF" Flash mode.
 turns off to indicate under-exposure.



In the Super FP Flash mode,  blinks to confirm a Super FP Flash.

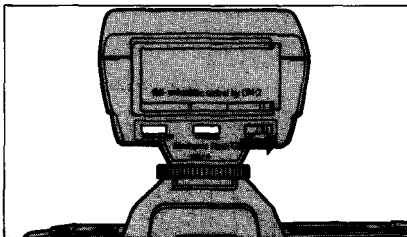
Using the T20 and T32 Electronic Flashes

Can be used In "OTF" AUTO flash mode.



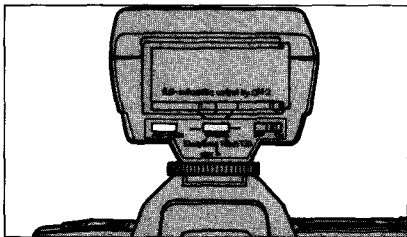
1

Slide the unit into the shoe, secure it with the lock-screw, and ensure that the calculator panel is inserted so that "full automatic control by OM-2" is displayed.




2

Turn the power switch ON.



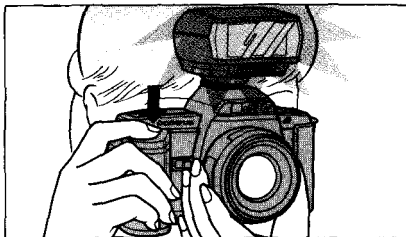
3

Check the charge indicator.

 lights up and the flash will fire when a shutter speed slower than 1/100 sec. is required.

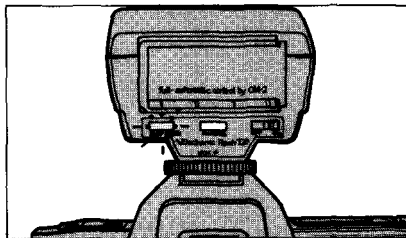


The flash working distance varies according to the lens' maximum aperture and the shooting environment.





4

Press the shutter release button.



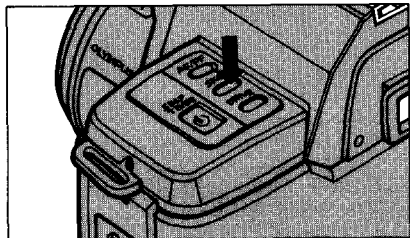
5

Check for correct exposure.

 blinks to indicate correct exposure.
No  indicates under-exposure.

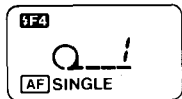


Using a Conventional Auto Flash

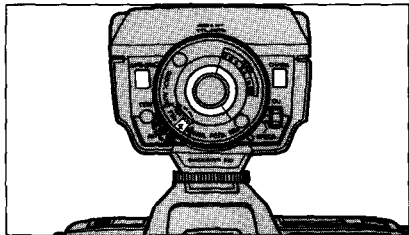


1

Press the button to enter the **f4** mode. The camera is set to f4 at 1/100 sec.

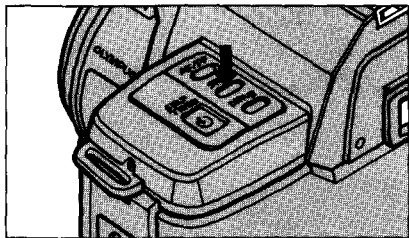


The **f4** mode is not available when using the T20, T32, F280 or the Power Flash Grip 300.



2

Set the flash to work at f4.



3

Press the button to cancel the **f4** mode after use. (Pressing the reset button also cancels the **f4** mode.)

- Auto flash units without an "F4" mode cannot be used.
- If a lens with a maximum aperture smaller than f4 is used, slight under-exposure will result.
- When using a non-AF OM lens, set the aperture to f4. The shutter will be set at 1/100 sec.

OM77AF

To Take Better Photographs

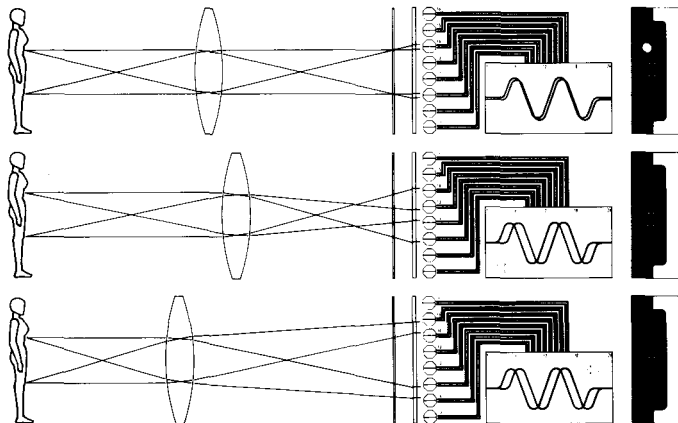
The following pages are presented to assist those who wish to improve their photographic technique. Please read them carefully, apply the techniques and expand your creative horizons.

Autofocus (AF)

TTL "Zero-In" System

An exceptionally accurate TTL "Zero-In" electronic focusing system, which works on the principle that image discrepancy is zero when an object is correctly focused, is employed by the **OM77AF**. Light passing through the focus-mirror is passed through an infrared cut filter, a correction lens and then projected onto a CCD "Zero-In" sensor where it is converted into electrical signals. Using these signals to determine the image discrepancy, a CPU,

by reference to a lens-mounted ROM, calculates the appropriate lens rotation and transfers this information to an AF motor. This single calculation/focus correction sequence results in quick and accurate focusing. Additionally, when the Power flash Grip 300 is connected, the focus information is used to provide precise distance information for perfect flash-exposure control.

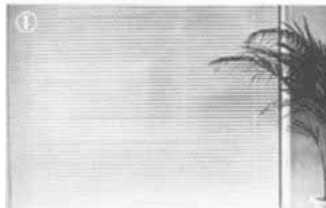


Subject difficult for autofocus

Although the OM77AF can focus in almost any situation, there are certain conditions, illustrated below, in which it may be impossible to obtain correct focus. A red LED in the viewfinder will usually indicate these conditions, however, in situations ④, ⑤ and ⑥, the green LED in the viewfinder may illuminate even though the lens is incorrectly focused. In any of these situations, you can try focusing on a subject at a similar distance and then, using the Focus Lock (pages 30 — 31),

recompose your picture, or you can use the Power Focus mode (pages 24 — 26) to focus manually.

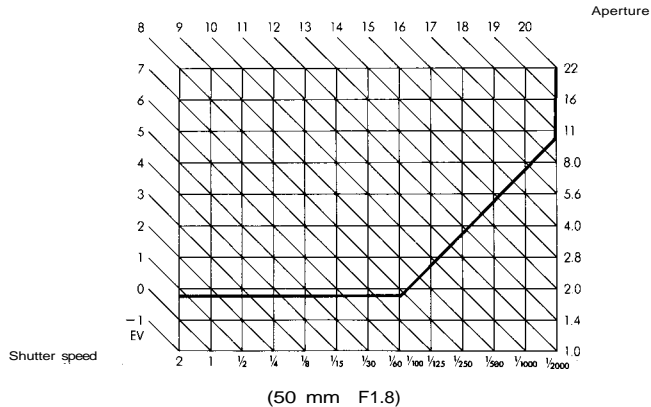
- ① Subject without vertical lines.
- ② Subject without contrast.
- ③ Rapidly moving subjects.
- ④ Two subjects within the focusing frame at different distances.
- ⑤ Excessively bright light at the center of the focusing frame.
- ⑥ Subject with repeated pattern.



Program

The **OM77AF** programs offer the optimum balance between aperture and shutter-speed settings to enable quick response to every photographic opportunity. Also, the Auto Program Shift selects automatically a program appropriate to the present focal length of the mounted lens, while the Manual Program Shift lets the user shift shutter speed and

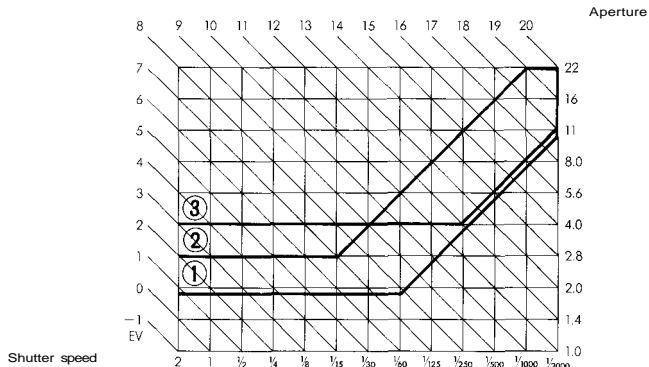
aperture at any time and employ the program as an aperture or shutter speed-preferred auto-exposure program. These two functions combine to produce a camera that can satisfy the demands of the beginner as easily as those of the more advanced SLR user.



Auto Program Shift

The OM77AF has been programmed to automatically select a program mode appropriate to the focal length of the lens to be used. There are individual programs for telephoto, standard and wide angle lenses, with the capacity to automatically shift programs in line with the focal length changes of zoom lenses. In the wide-angle program mode

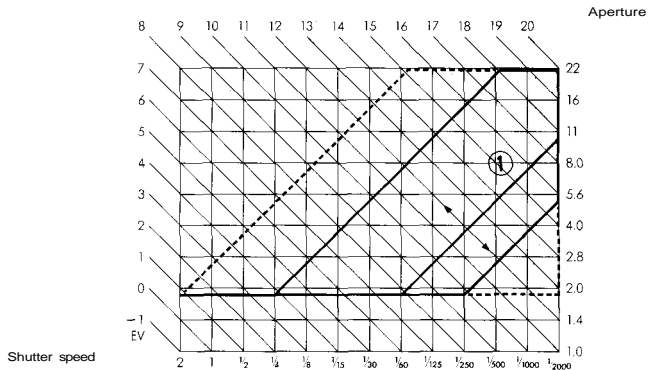
(Program chart②), for lenses below 35 mm, depth of field is given priority. The standard program mode (Program chart①) is used for lenses in the 35 — 89 mm focal-length range. The telephoto program mode (Program chart③), for lenses of 90 mm and above, gives higher priority to the shutter speeds needed to avoid camera shake.



Manual Program Shift

With the OM77AF, the photographer is free to select a desired aperture or shutter speed with the assurance of a perfect exposure. For instance, when using a 50 mm F1.8 AF lens, the initial setting of aperture and shutter speed is in accordance with the Standard Program (Program chart①). By using

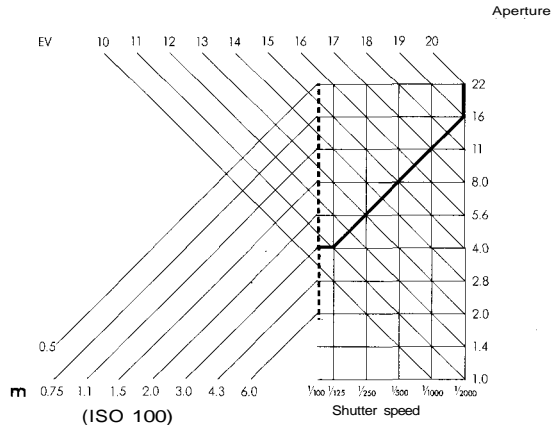
the shift-knob, the photographer is free to shift the program line by 1/2-stops to reach a desired shutter speed or aperture. In this way, and with no need of any physical adjustment, the program can be used as an aperture or a shutter speed-preferred program, depending on the photographer's intention.



Power Flash Grip 300

By using the Power Flash Grip 300, you are always ready for problem-free flash photography. With the flash reflector up, the unit will fire automatically only when natural light requires a shutter speed of 1/100 sec. or slower. The shutter speed will be set

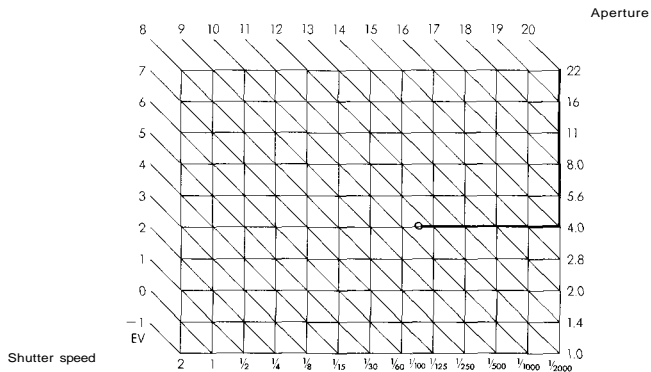
at 1/100 sec. in this case, and the aperture determined by the AF CPU on the basis of the absolute distance of the subject (Flashmatic method), as illustrated by the dotted line in the chart.



Full-Synchro Flash F280

Combined with the F280, the **OM77AF** can synchronize with the flash unit at all shutter speeds, resulting in a flexible program that can cope with fill-in flash photography as easily as it can the more usual poor light situation. The aperture is set at f4 (or if this is not available, the maxi-

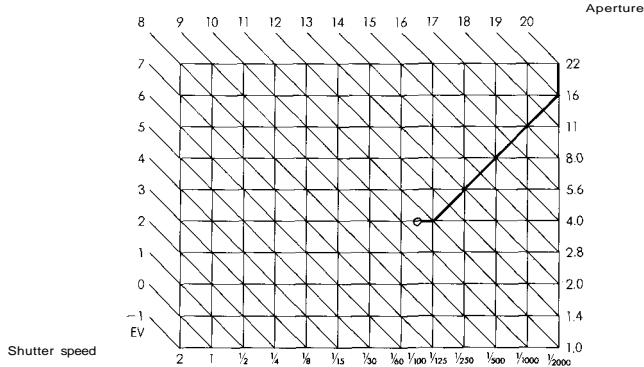
imum aperture of the lens), and when natural light requires a speed of 1/100 sec. or slower a Normal "OTF" Flash is produced; when a higher speed is required, a Super FP Flash is produced automatically. After the shutter speed reaches 1/2000 sec., the aperture is adjusted to provide correct exposure.



T-Series Flash

Combined with a T-Series flash (except the T-45), the **OM77AF** can be used for a variety of advanced flash techniques, bounce or diffused lighting for example, while correct exposure is assured by the camera's TTL Direct "OTF" program, which controls the amount of light emitted in accordance

with the distance of the subject. When using a T-Series Flash, the aperture is set at f4, the shutter speed is set at 1/100 sec., and a flash fired only when a shutter speed of 1/100 sec. or slower is required.



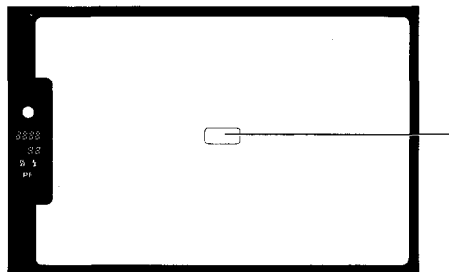
TTL Direct "OTF" Light Metering (Center-weighted, Averaged Light Metering)

The OM77AF employs the famous TTL Direct "OTF" (Off-The-Film) light metering system. An Olympus first, this system which measures the light as it falls on the film surface and controls the exposure accordingly, results in superbly accurate automatic exposure even when there are sudden changes in illumination during the exposure, or when it is difficult to determine the light condi-

tions beforehand, as is the case in macro photography. When a flash unit is employed, metering requires no effort whatsoever, even when you employ T-Series units for bounce or diffused-light techniques. In addition, when combined with the Full-Synchro Flash F280, the camera can make use of speeds of up to 1/2000 sec. for perfectly exposed all-condition shooting.



Viewfinder Display



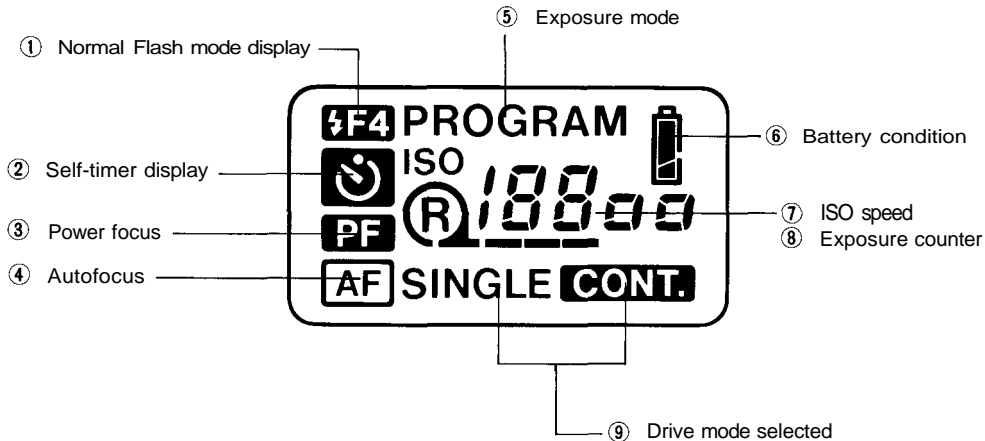
Autofocus Frame



- ① In-Focus/Focus Impossible LED:
Green LED: in-focus
Red LED: autofocus is not possible
- ② Shutter Speed Indicator
- ③ Aperture Setting Indicator
- ④ Super FP Flash Indicator
Lights: charged
Blinks: to indicate use of Super FP Flash
- ⑤ Normal "OTF" Flash Indicator
Lights: charged
Blinks: correct Normal "OTF" exposure
- ⑥ Power-Focus Indicator

LCD Panel

The **OM77AF** employs a large interactive LCD panel that can "reply" to the photographers adjustments with information on the camera's operating condition. The following information is displayed at the appropriate time:



OM Lenses

While designed for a new series of Olympus AF lenses, the **OM77AF** can be used with non-AF OM lenses (although not in the AF mode), with the result that most Zuiko lenses, from the Fisheye to the tele-converters, can be mounted on the camera. The camera will automatically select the aperture-preferred AUTO mode and a shutter speed appropriate for the aperture selected by the photographer. This allows the user to vary depth of field for a variety of creative effects: a small aperture for a photograph in which everything is sharply defined, or a large aperture which, by blurring the back- and foreground, emphasizes the subject. There is no viewfinder display for in-focus/focus impossible, shutter speed or aperture when using OM lenses.



OM AF System



OM AF System Lenses

- AF 50 mm F1.8
- AF 28 mm F2.8
- AF Zoom 35 - 70 mm F3.5 - 4.5
- AF Zoom 28 - 85 mm F3.5 - 4.5*
- AF Zoom 70 - 210 mm F3.5 - 4.5
- AF Macro 50 mm F2.8*
- AF 24 mm F2.8*
- AF Zoom 35 - 105 mm F3.5 - 4.5*

OM AF System Accessories

- Full-Synchro Flash F280
- Power Flash Grip 300
- Power Grip 100
- Dioptric Correction Lens 2 (with Eyecup)
- Eyecup 2
- Recordata Back 100
- TTL AUTO Cord F 0.6 m

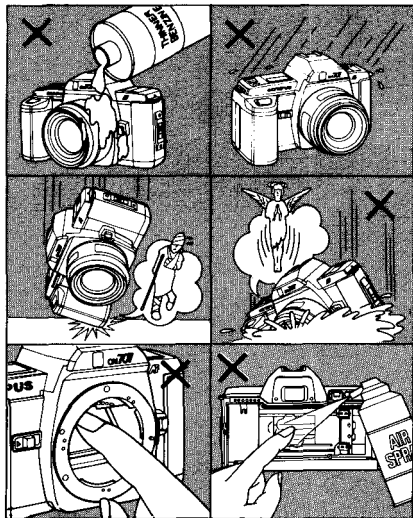
* Available in near future.

Notes on Using the OM77AF with Previous OM System Units

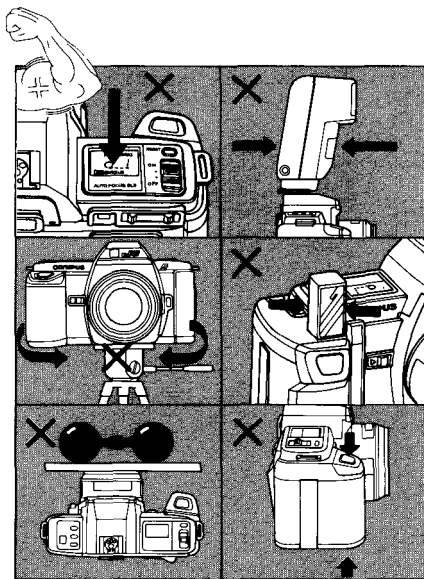
- Auto Extension Tube 7/14/25 and Telescopic Auto Extension Tube 65-116 can be used only with OM lenses when autofocus is not available.
- When using the Telescopic Auto Extension Tube 65-116 the tripod mount should first be removed.
- The following units cannot be used:
The Zuiko Reflex 500 mm F8, Zuiko 600 mm F6.5, and Zuiko 1000 mm F11 lenses; all Motor Drive Group units; the Auto Bellows, TTL Auto Cord T0.3/0.6/2/5 m, TTL Auto Multi Connector, TTL Auto Connector T20, Slide Copier, Roll Film Stage and Trans-Illuminator Base X-DE; the Electronic Flash T45; Interchangeable Focusing Screens; Recordata Backs for other OM cameras; Polarizing Filter POL; Filter R60 (R1).
- T10 Ring Flash 1, T8 Ring Flash 2 and Macro Flash Shoe Ring cannot be used in combination with AF zoom lenses.
- Olympus Auto Focus lenses are exclusively designed for the Olympus **OM77AF**.

Handling Care

Take care in handling the camera.

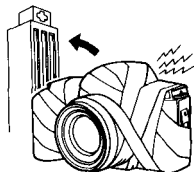
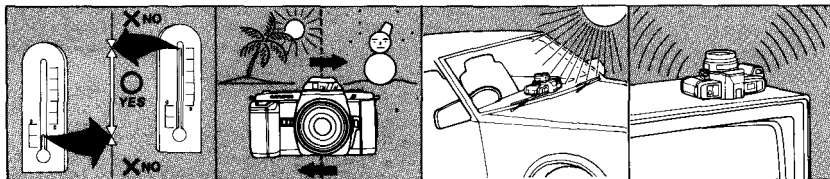


Do not use extra force.



Storage Care

Guard against high temperatures and magnetic field.



In case of malfunction, take the camera to your nearest Olympus service station.

Questions and Answers

Q: What kind of batteries should I use?

A: Use four LR03 (AAA) alkaline manganese batteries. Don't mix various kinds of batteries, or install new with old. Change all batteries at one time. The provided batteries are for testing operation at the time of purchase.

Q: The camera does not work.

A: (1) Try sliding the power switch OFF and ON again. (2) If the low battery indication remains on even when the shutter release is pressed halfway, the camera will not work.

Q: The lens moves to infinity after it is mounted on the body.

A: The lens is automatically reset to infinity for coordination of lens control. If the lens is not reset, press the reset button or turn the power switch OFF and ON again.

Q: Why doesn't the camera focus on the image?

A: The camera may not focus in some cases. Focusing is difficult when, for example, the subject is moving quickly, the camera is being violently shaken, or the subject is of a kind difficult to focus on (see "Subject difficult for autofocus", page 56).

Q: The indicators in the viewfinder disappear while shooting.

A: They automatically disappear after appearing for 30 seconds, in order to save battery power. To re-display them, lightly touch the shutter release button.

Q: The AF illuminator lights, but the camera does not focus.

A: It may not focus even when the subject is close, if the subject reflects little light (as when colored blue or black).

Q: Can the front-most ring be manually rotated?

A: Do not forcibly turn it. This may damage an inside gear, and the flash control may not operate. If you happen to move it, press the reset button to move the lens back to ∞ .

Q: Why won't the shutter fire when I press the release button?

A: It is probably unfocused. Check the LED in the viewfinder. Also, it may be out of film. Or the batteries may be exhausted.

Q: The lens locking button is pressed while shooting.

A: If this button is fully pressed, resetting may occur. So be careful.

Q: The Power Flash Grip 300 does not recharge.

A: Are the batteries exhausted? Press the reset button to check the batteries. Also note that the flash unit cannot be recharged during auto focusing, winding, and exposure.

Q: Why doesn't the flash fire?

A: There are two possible reasons. (1) Flash firing is automatically inhibited at shutter speeds faster than 1/100 sec. (when using T-series flashes and the Power Flash Grip 300). (2) Are you trying to fire before the unit has been recharged?

Q: When should I check the batteries?

A: (1) When new batteries are inserted. (2) After the camera has not been used for a long time. (3) Before beginning a prolonged period of use. (4) When it is very cold.

Q: In the finished print, a peripheral portion of the picture is cut, though I framed it inside the viewfinder.

A: In some color prints and color slides, a peripheral portion of the picture may be eliminated in the laboratory. It is recommended, therefore, to leave some margin in composing your picture.

Q: How do I clean the lens?

A: Use a soft, clean, cotton cloth (preferably a washed one) and a small quantity of pure alcohol. Slowly wipe the lens with a spiral motion, from the center outward.

Q: How do I clean the camera?

A: Dust, moisture, and salty air are harmful to cameras and lenses. Wipe the camera surfaces clean and let dry after using it in rain or mist. When used near the sea, wipe it off with a cloth moistened with clean water, then clean and store it.

Q: Why are there sometimes scratches on the film?

A: The cause may be a soiled film passage. The film compartment may be soiled by film debris during long use of the camera. Be sure to dust off the camera periodically.

Q: How can I preserve the camera in a humid environment, and prevent the growth of mildew on it?

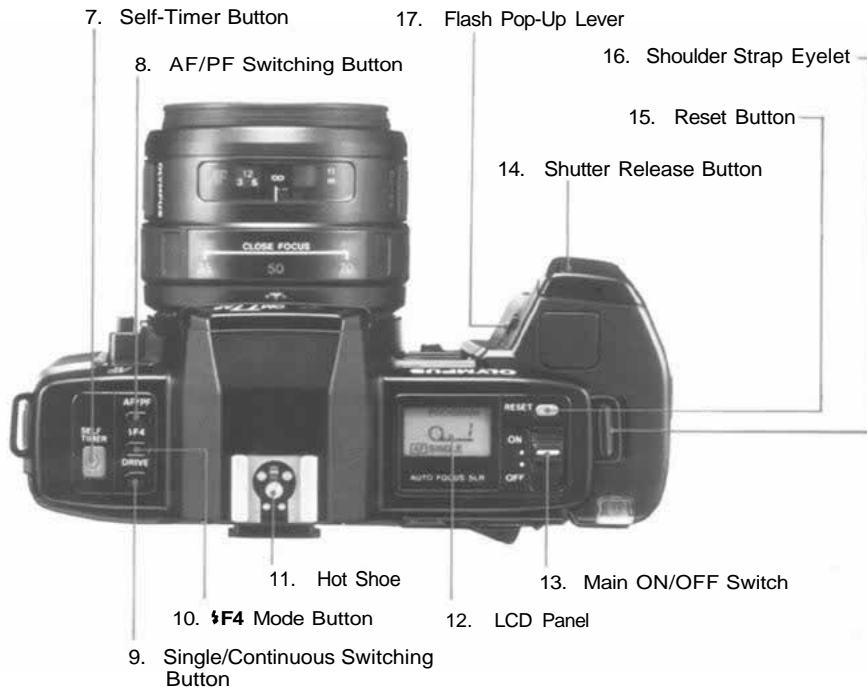
A: Take it out of the case and store it in a polyethylene bag, together with a dessicant such as silica gel. However, do not use a dessicant that includes insecticide.

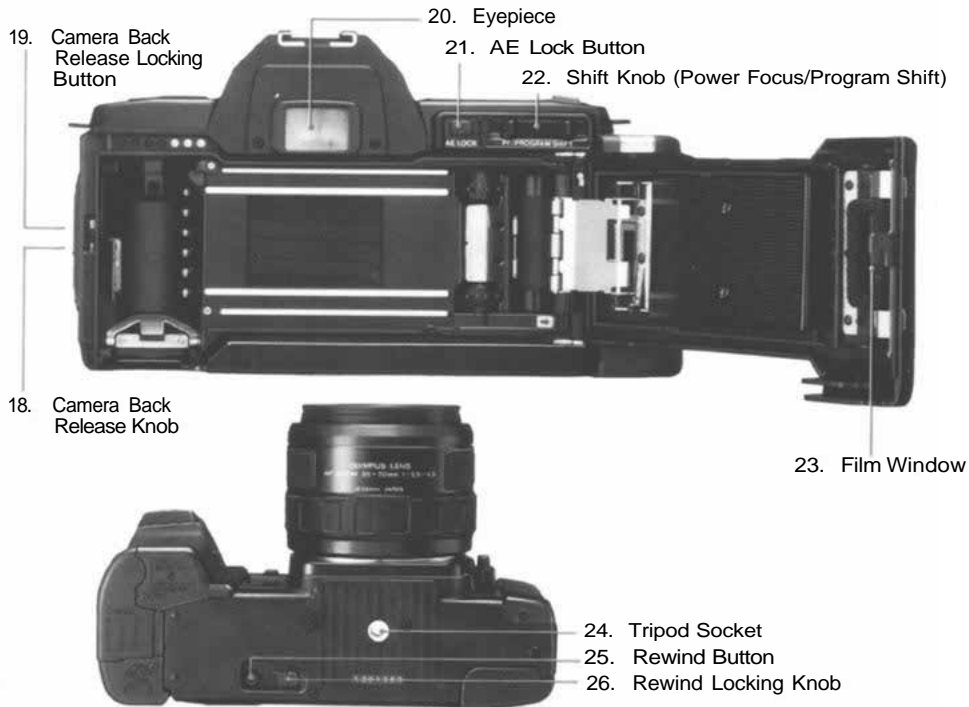
Other cautions

- When other companies' lenses are used, correct exposure may not be obtained or they may cause malfunctioning, so do not use them.
- This camera cannot be used for infrared photography.

Description of Controls







Main Specifications of the OM77AF

Type: Autofocus, auto-exposure 35mm SLR camera.

Film format: 24 x 36 mm.

Lens mount: Olympus OM mount (designed for AF lenses).

Lens: (1) Olympus AF lenses. (2) OM lenses.

Shutter: Electronically controlled vertical-travel focal-plane shutter. Shutter speed: 2 — 1/2000 sec.

Synchronization: Hot shoe: Super FP Flash contact; X contact; T-Series Flash contact.

Autofocus: Method: TTL phase detection system with CCD Zero-In sensor.

Focusing sensitivity range: EV 4 — 18 (ISO 100).

Actuation method: Single or continuous. Focus lock possible.

Indication: Single-point 2 color LED in viewfinder; focused: green lamp; autofocus impossible: red lamp.

AF illuminator: Automatic actuation in low light.

Manual focus: Olympus AF lenses: By shift knob, OM lens: By focus ring.

Light metering method: Exposure control: TTL Direct "OTF" Metering (center-weighted, average light measurement).

Exposure modes: Multi-program: (1) Program. (2) Program shift by shift/power focus knob. (3) Automatic program shift based on focal length of lens. (4) Aperture preferred AE when using OM lens.

Program auto-exposure: Type: Electronic shutter with automatic control of shutter speed and aperture.

Light measuring range: EV 1 — 20 (ISO 100 AF 50mm F1.8).

AE lock: By AE-lock button.

Flash control: Full-Synchro Flash F280: Automatic selection of Normal "OTF" Flash or Super FP Flash.

Power Flash Grip 300: Flashmatic.

T-Series Flash: TTL Direct "OTF" flash.

Regular flash units: Normal Auto flash with **MF4** mode.

Automatic film speed setting: Automatic setting for film with DX code; Range: ISO 25 — 3200.

Viewfinder: Focusing screen: Fixed, Super Lumi-Micron Matte with autofocus frame.

Finder view-field: 93 % of actual picture field.

Magnification: 0.8X at infinity with 50 mm standard lens.

Viewfinder information: Type: LCD display, back illumination by LED.

Contents: (1) Focus display. (2) Shutter speed/Aperture display. (3) Over/Under exposure warning. (4) Flash display. (5) Power focus display.

Display limiter: Approx. 30 sec.

LCD panel information: Various mode information in large LCD panel.

Film loading: Auto-loading (automatically wound to first frame).

Film wind: Automatic wind; Single/Continuous switchable.

Max. wind speed: approx. 1.5 frames per sec.
Automatically stopped at film end.

Battery life: With Power Flash Grip 300: 8 rolls or more (using flash for 50 % of exposures).

With Power Grip 100: 25 rolls or more.

Using LR03 (AAA) (alkaline manganese) batteries, normal temperatures, 24EX film.

Exposure counter: Progressive type, displayed on LCD panel.

Film rewind: Automatic rewind with rewind button. Automatic stop at film end.

Self-timer: 12 sec. delay electronic self-timer.

Power source: Supplied by Power Flash Grip 300 or Power Grip 100; Four LR03 (AAA) alkaline manganese batteries.

Battery check: 3-step display in LCD panel.

Data hold: Static memory for necessary functions.

Dimensions: 141(W) x 89(H) x 52(D) mm (5.55" x 3.50" x 2.05") (without grip).

Weight: 555 g (19.6 oz.) (without grip).

Main Specifications of Power Grip 100

System application: OM77AF

Type: Separable power-source grip.

Power switch: After mounting, controlled by camera's power switch.

Shutter release: Electromagnetic shutter release for OM77AF.

Battery life: Sufficient for 25 rolls or more (alkaline-manganese, normal temperatures, 24 Ex. film).

Camera mount: Exclusive slide-bayonet mount.

Electrical connection with camera: Cordless, direct-contact.

Power source: LR03 (AAA) alkaline-manganese battery x 4.

Facing: Rubber pad.

Dimensions: 35(W) x 64(H) x 61(D) mm (1.4" x 2.5" x 2.4") increases camera width by 5.7 mm (0.2").

Weight: 43 g (1.5 oz.) without batteries.

Main Specifications of Power Flash Grip 300

System application: OM77AF

Type: Separable power-source grip with built-in flash.

Power switch: After mounting, controlled by camera's power switch.

Shutter release: Electromagnetic shutter release for OM77AF.

Battery life: Sufficient for 8 rolls or more (using flash for 50 % of exposures, alkaline-manganese, normal temperatures, 24 Ex. film).

Camera mount: Exclusive slide-bayonet mount.

Electrical connection with camera: Cordless, direct-contact.

Guide number: 12 (ISO 100, meters).

Exposure control: Flashmatic.

Coverage angle: Equivalent to angle of view of 35 mm lens.

Recycling time: 4 sec. with LR03 (AAA) alkaline-manganese batteries.

Flash duration: Approx. 1/2000 sec.

Flash power-source switch: Power ON: pop-up lever, Power OFF: flash reflector pushed in.

Power source: LR03 (AAA) alkaline-manganese battery x 4.

Facing: Rubber pad.

Dimensions: 49(W) x 64(H) x 67(D) mm (1.9" x 2.5" x 2.6") increases camera width by 19 mm (0.7").

Weight: 80 g (2.8 oz.) without batteries.

Specifications subject to change without notice.



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