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# YASHICA

# PENTA

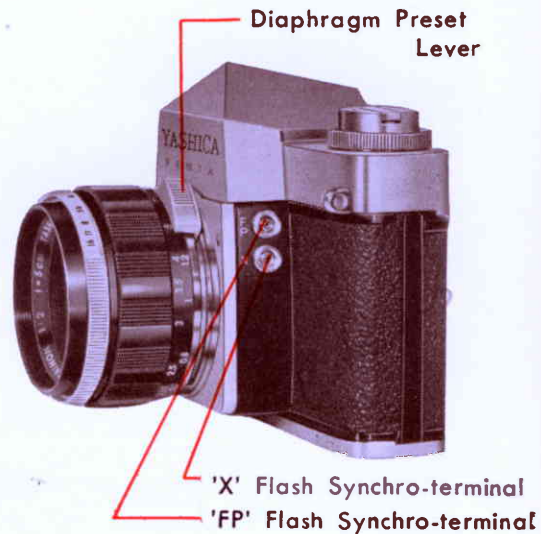
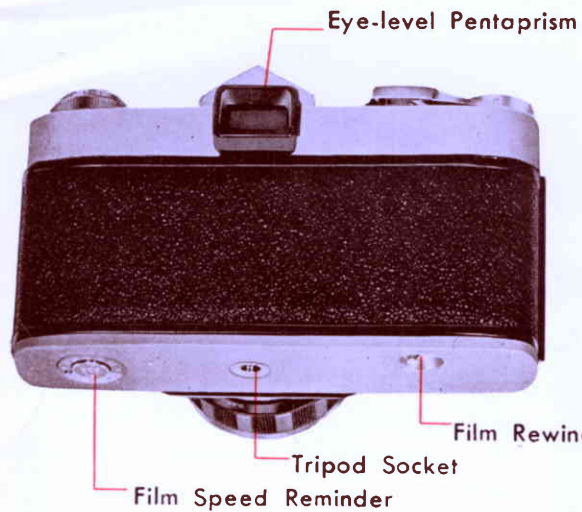
# J

## INSTRUCTION BOOKLET

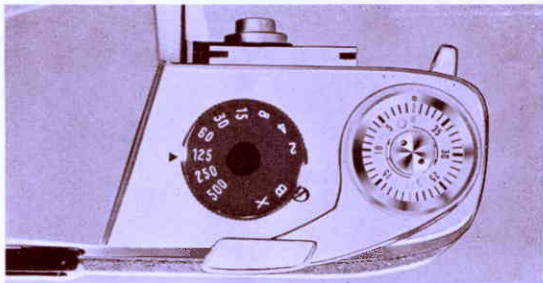


## DESCRIPTION





## FILMING PROCEDURE



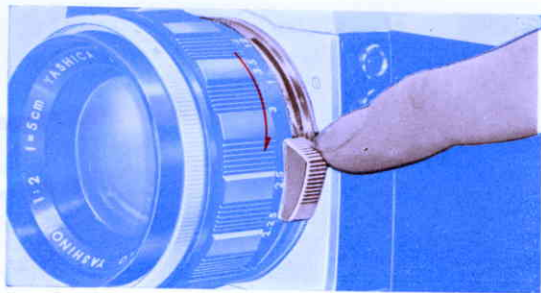
### SHUTTER SPEED SETTING

Precisely align the desired shutter speed number on the dial with the black triangle index on the camera.

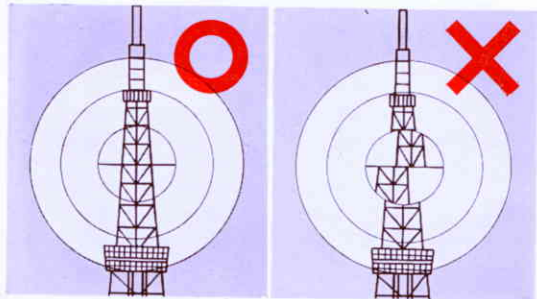


### F / STOP SETTING

Set the f/stop number by turning the aperture control ring on the lens barrel until the desired f/stop number is opposite the red dot. The ring has clickstops to assure you of accurate settings.

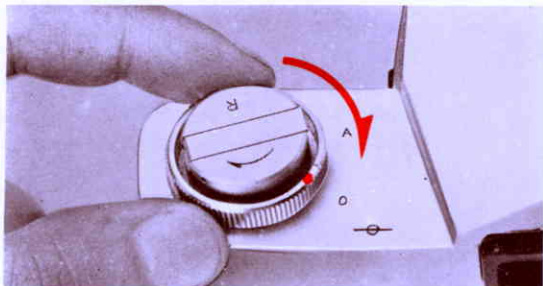


Push down the diaphragm preset lever until it stops, and lens will be fully opened. Now you have the brightest possible for easy focusing.

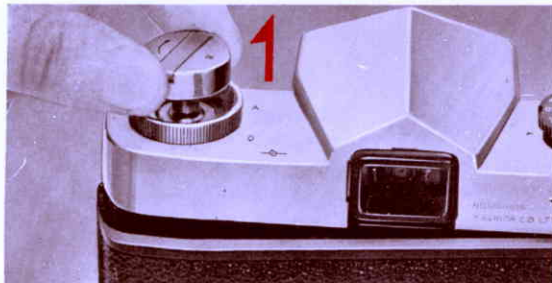


Note that the diaphragm closes down to the preselected setting when the shutter is released. Turn the focusing ring clockwise or counter-clockwise until the upper and lower portions of the subject in the split-image rangefinder are in perfect alignment. The subject will appear sharp in the remaining area, as well.

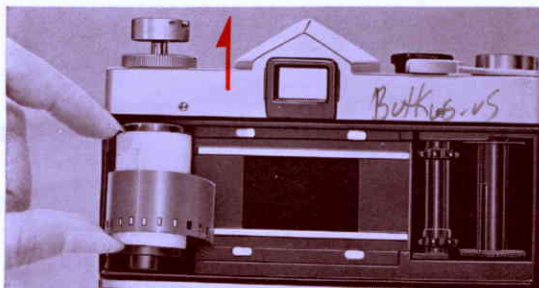
## LOADING FILM (1)



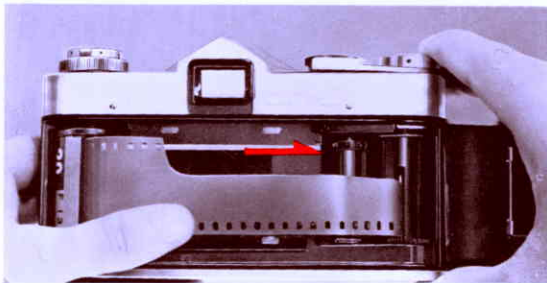
To unlock the back cover, turn the Release Dial to the direction of 'O' position.



The Film Rewind Knob can now be pulled out to open the back of the camera. Avoid direct sunlight. Do it under SUBDUED light.



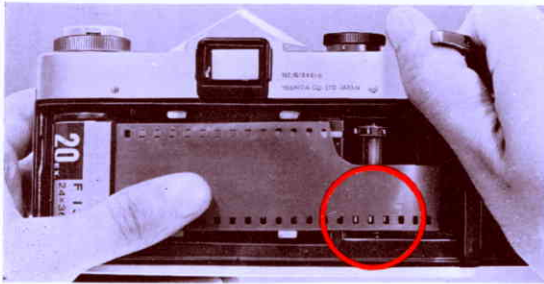
Pull out the Film Rewind Knob further and insert a roll of 35mm film in the film chamber. Then push the Film Rewind Knob back to position.



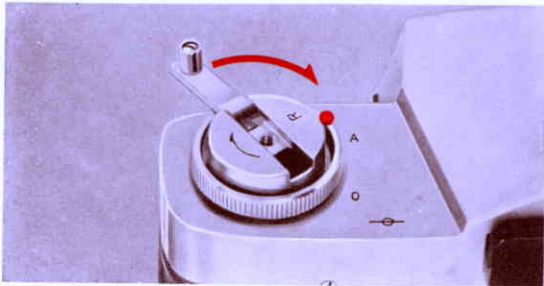
Rotate the Take-up Spool until the groove in the spool is positioned so as to allow the film leader to fit into the groove.



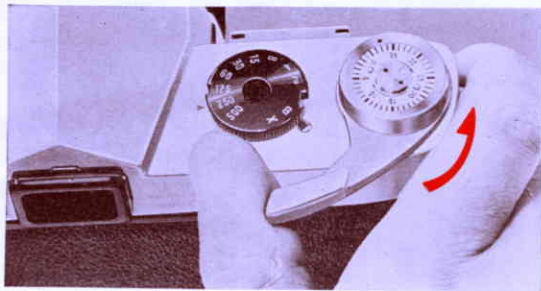
## LOADING FILM (2)



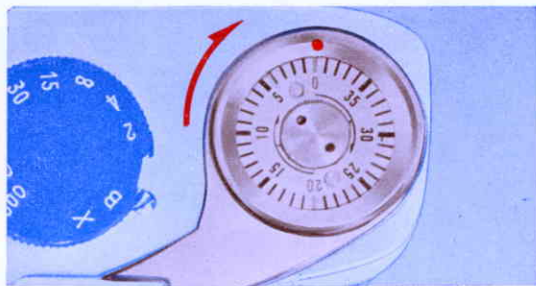
Position the film perforations over the teeth of the Take-up Spool Sprocket and pull the film taut by slowly moving the Film Advance Lever.



Close the Back Cover by pressing it with your fingers until it locks into position. And slide the Back Cover Release Dial to the direction of 'A' position.

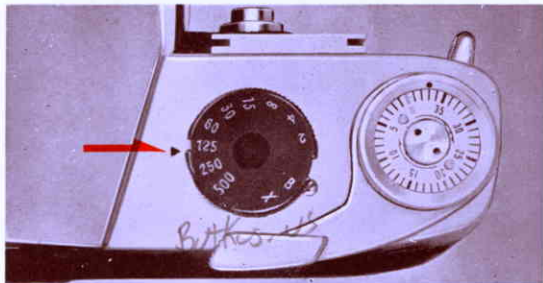


Advance the film with the advance lever and press the shutter release button. Do this twice. To be sure that the film is advanced by the film advance lever, seeing to it that the film rewind knob is also turning counter-clockwise.



Set the Film Exposure Counter to 'ZERO' by moving the Dial Counter clockwise. This counter will show the number of film exposed.

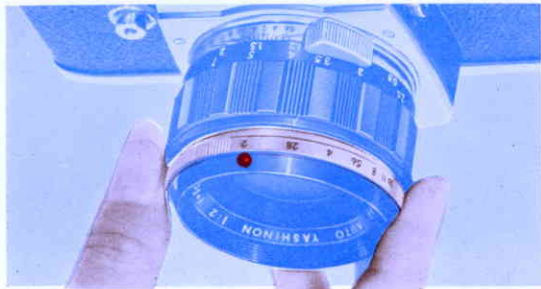
## EXPOSURE SETTINGS



Determine the correct exposure combination to be used for the particular scene to be taken.

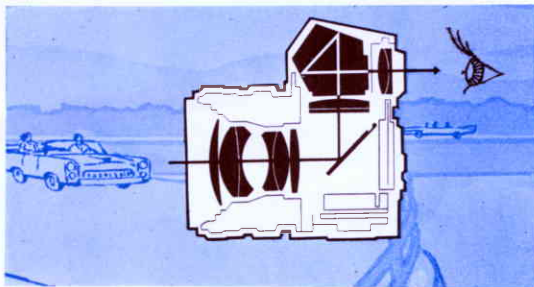
Set the shutter speed by rotating the Shutter Speed Dial in either direction until the desired shutter speed is lined up with the small black triangle on the camera top.

When the Shutter Release Button is depressed and the Shutter Speed Dial is set at 'B' the shutter will remain until the button is released.



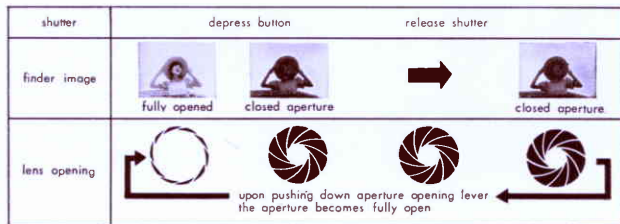
Turn the inner ring of the lens barrel, Aperture Control Ring, to the desired stop.

## VIEWING FINDER



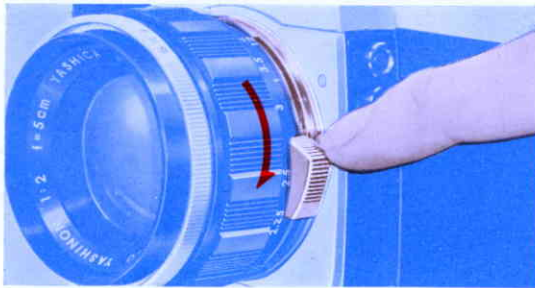
Viewing and focusing are both done through a single window.

There is never any question about parallax correction as you always see the picture exactly as you get it on film.



Left cut shows how the finder, the Quick-return-mirror, and the aperture control system work.

## FOCUSING



If you push down Aperture Opening Lever, the aperture is fully open and subject is clearly visible through the pentaprism viewer. Upon tripping the shutter, the diaphragm returns to a pre-set opening.



When looking through the view-rangefinder eyepiece you will see three concentric circle, the inner-most circle will have a horizontal line through the circle. If the camera is not in focus, the image of the upper and lower semi-circles.



## IN FOCUS

By turning the Focusing Ring clockwise or counter-clockwise it is possible to bring the upper portion and lower portion of the image seen in the inner-most circle of the finder into perfect alignment.



## OUT OF FOCUS

When the image in the inner-most circle is no longer 'HALVED', the camera is properly focused.

Proper focusing should be done after the shutter has been cocked.

You will also notice that the overall viewing area; the fresnel focusing glass of the viewfinder is not clear when the camera is out of focus.

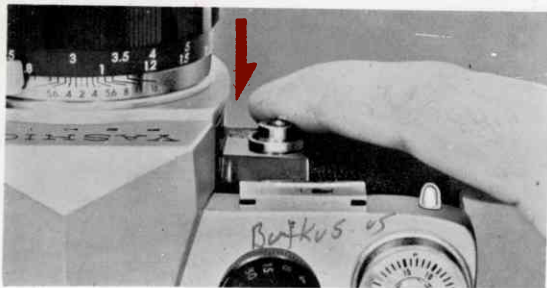
## HOW TO HOLD CAMERA



The left photo shows how to hold your camera at a horizontal position.



For vertical use of the camera.



## **PUSH THE SHUTTER RELEASE BUTTON:**

Push the shutter Release Button gently. Upon tripping the shutter, the diaphragm returns to the pre-set opening.

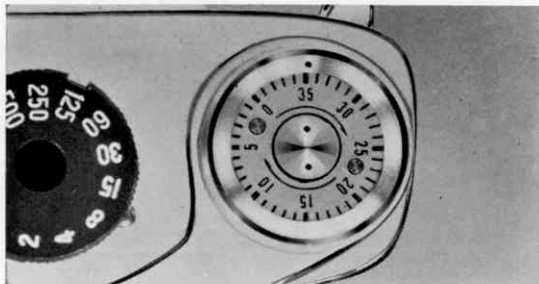


## **FILM ADVANCE LEVER:**

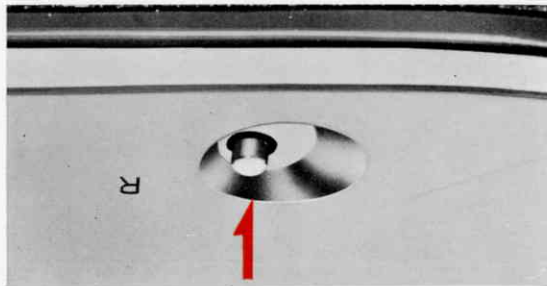
Move the Film Advance Lever until it stops thereby bringing the next unexposed section of film into place and cocking the shutter.



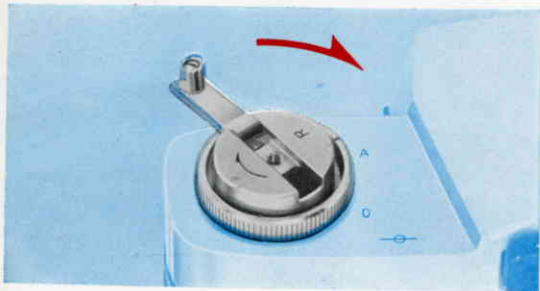
## REWINDING FILM



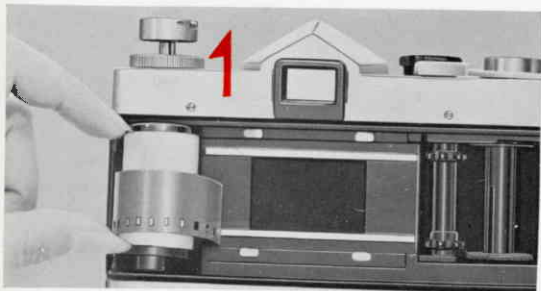
After taking a full roll of film, it is necessary to rewind the film into cartridge before removing the exposed film from the camera. Toward the end of the film you will feel a slight resistance. But continue turning the rewind crank until the film pulls away from the slot on the Take-up Spool.



Press the film release button which is located on the underside of the camera. It need be held in position.

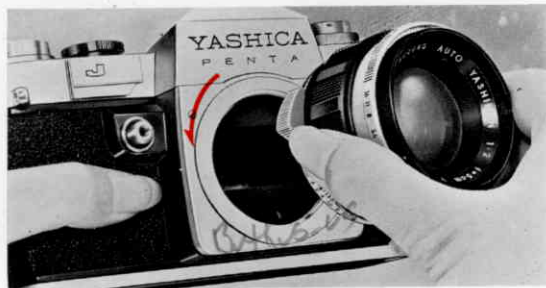


Flip up the film rewind crank handle to the horizontal position and wind in the direction of the arrow.



When the film is completely rewound into the cassette, open the back cover by pressing the back cover release button in the direction of the arrow and down. Pull up the rewind crank shaft and remove cassette.

## CHANGING LENSES



To change the lens, turn the lens barrel counter-clockwise about two and a half revolutions then, mount the interchangeable lens.

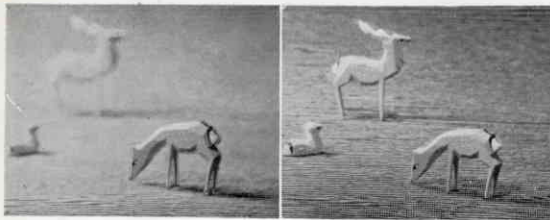
Do not change lenses under direct sun light.



Various lenses can be used as for your Yashica Penta-J, the following lenses are available.

- \* Yashinon 135mm f/3.5 Telephoto
- \* Yashinon 35mm f/3.5 Wide-angle

## DEPTH OF FIELD



Depth of Field F 3.5

Depth of Field F 11

When you focus the camera on a subject there is a certain distance in front and back of the subject within which other objects will also appear sharp. This is known as the "Depth-of-Field", and it varies with the lens aperture: The smaller the aperture the greater the Depth-of-Field;



The Depth-of-Field Scale will be found on the lens barrel. When the camera is focused on your subject, look for the aperture you are using on either side of the scale to determine the Depth-of-Field. (area in which all objects are sharp).

## OTHER FEATURES



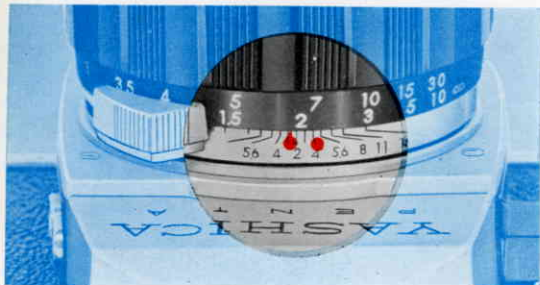
### SELF-TIMER

Standard tapered plunger-type self-timers can also be screwed into the shutter release button. A built-in self-timer was not considered versatile enough for the general needs of the photographer and therefore, provisions were made for using an accessory self-timer.



### CABLE RELEASE

Any standard tapered plunger-type cable release can be used with the Yashica Penta-J by simply attaching the release to the shutter release button.



## INFRARED PHOTOGRAPHY

Infra red photo index mark is used for focusing the camera when infra red film and red filter are used. After the subject distance has been determined, the camera to subject distance must be further aligned with the red dot.

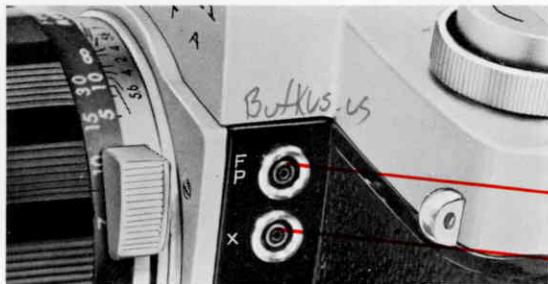


## ASA FILM SPEED REMINDER

A handy film Speed Reminder permits you to set the type of film, black and white or color, and the film speed on one easy-to-read dial.

Set the film speed reminder at the ASA number of your film. Red stands for color and black for monochrome film.

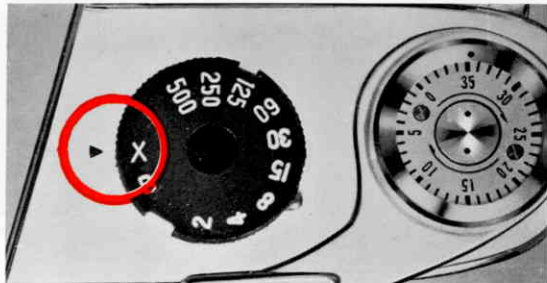
## FLASH SYNCHRONIZATION



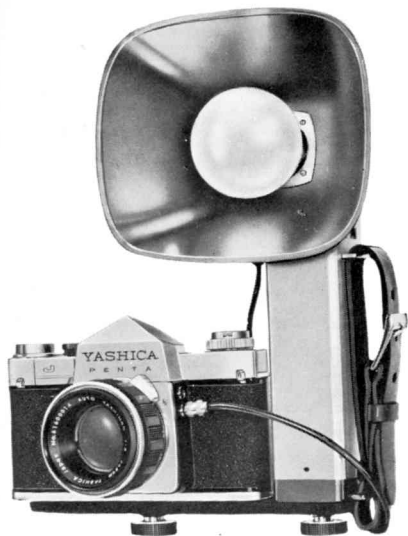
Two separate terminals are provided for flash synchronization. The upper terminal should be used flash bulb operation. The synchronization is fully automatic for all shutter speeds: no adjustment is required.

For use with 'FP' Flash bulbs

For use with electronic-flash or 'M' & 'F' Flash bulbs.



The lower terminal should be used for electronic flash synchronization. When using an electronic flash unit, you should always put the Shutter Speed Dial at the red 'X'. This assures you of proper synchronization.

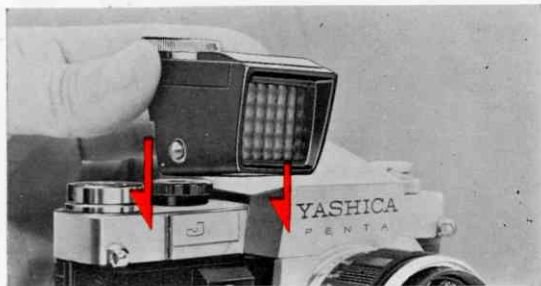


This table shows the relationship between the shutter speed and synchronization. Only the grey part is usable and you can get the perfect synchronization.

Shutter speed TERMINAL	1/500	1/250	1/125	1/60	X	1/30	1/15	1/8	1/4	1/2	B
F P	F P class bulbs										
X						F class bulbs					
						M class bulbs					
						ELECTRONIC FLASH BULB					
When you want to use the shutter speed 1/100 sec or faster, you must use FP class bulbs. In the case of 1, or slower you use F, class bulbs and strobe (Electronic flash). In case of 1/30 sec. or slower you can use M class bulbs. We recommend to use BC type flash gun for perfect synchronization.											



## COUPLED, CLIP-ON EXPOSURE METER

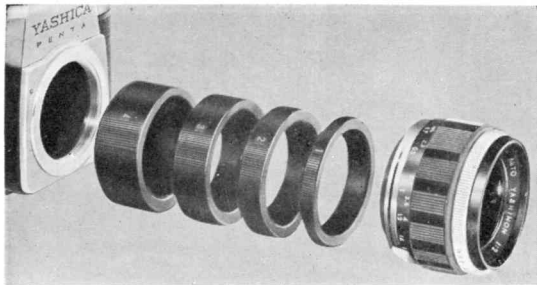


The Yashica clip-on exposure meter is specifically designed for your Penta-J that you may obtain the correct exposure readings automatically. You are assured of accurate exposure readings for all of your picture taking both in color and black and white.



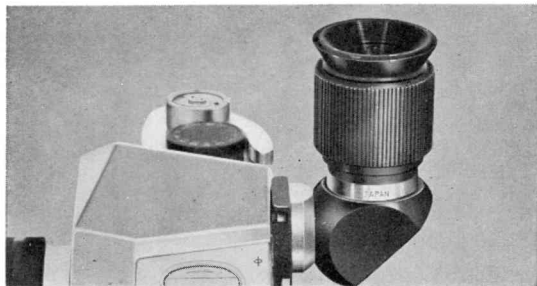
Just clip the meter onto the shoe as shown left. Determine either shutter speed or f/stop and the exposure indicator needle will do the rest. Correct exposure combination thus, will be obtained EASILY and QUICKLY at any time with the use of this coupled exposure meter.

## ACCESSORIES



### EXTENSION TUBES

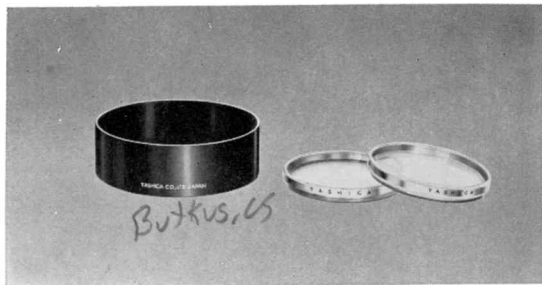
There are 5 types of the Ring available for the Yashica Penta-J.



### RIGHT-ANGLE VIEWFINDER

Multiple-purpose, exclusively designed right-angle viewfinder adds versatility and convenience of unusual angles for candid photography. Ultra-low, worm's-eye-view right-angle view, overhead view, etc. are some of the possibilities with this versatile accessory.

## ACCESSORIES



### Lens Filter & Lens Hood

Initially, you will find a yellow filter ideal for bringing out clouds in landscape pictures and for general uses. An UV filter is suitable for color photography and also to protect the lens. As you become more advanced, you may want to use various filters, such as orange, etc., for different effects. Your camera dealer will give you complete information.

Monochrome: Y1, Y2, O2, G, R, B, UV

Color : 1A, 80B, 81B, 82A, 85C

## **CARE OF CAMERA AND LENS**

The outer and inside, never use a frayed cloth. It is most essential to keep the film pressure plate clean.

When cleaning the lens, alcohol may be used but great care must be exercised to prevent excessive amounts of alcohol from attacking the balsam adhesives between the lense elements.

Do not dismantle the camera or the lenses; leave this precision work to expert camera repairmen.

**YASHICA CO., LTD.**

**Tokyo Japan**

Printed in Japan



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