

Canon

CANON CAMERA CO., INC.

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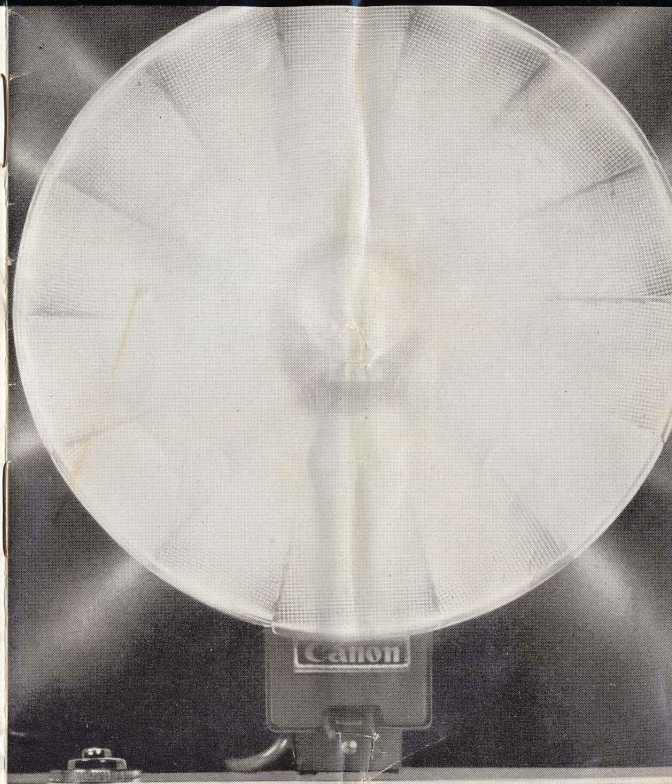
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Canon FLASH UNIT J-2





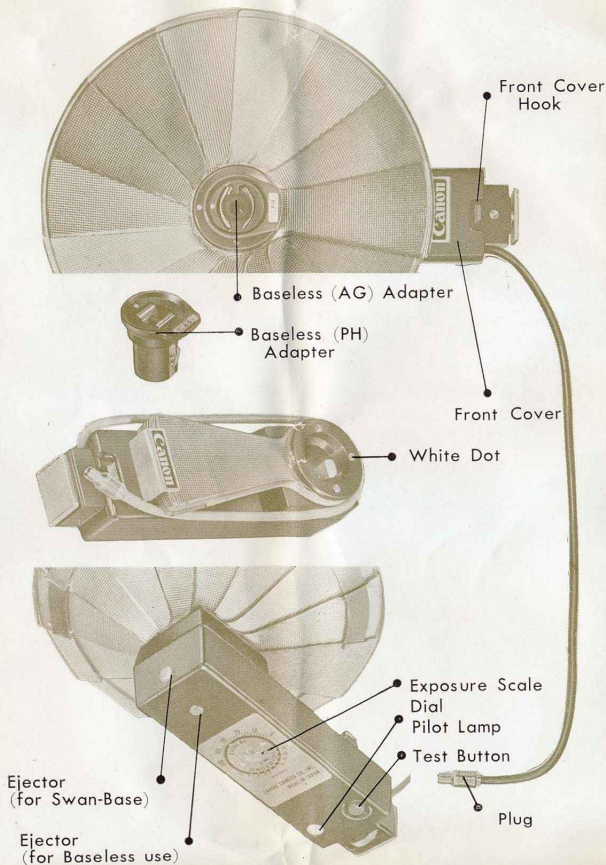
CANON FLASH UNIT J-2

The Canon Flash Unit J-2 is an easy-to-handle, small BC (battery capacitor) type flash gun designed for all cameras with continental terminals including the Canonet and the Canonet Junior. Both ultra-small baseless flash bulbs and swan-base ones can be used.

Two types of Flash J-2 adapters are available:

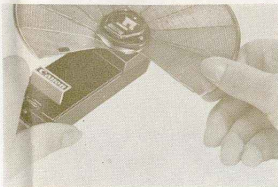
Flash J-2 (AG).....for use with General Electric
AG-1 baseless flash bulbs.

Flash J-2 (PH).....for use with Philips "Photoflux"
PF-1 baseless flash bulbs.

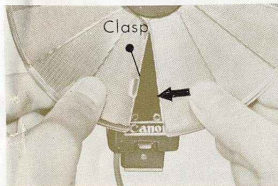


HOW TO ATTACH THE FLASH UNIT ONTO THE CAMERA

Open the reflector and hook the clasps.



Insert the attachment shoe of the flash unit into the accessory clip of the camera. Turn the tightening ring in the direction of the arrow and set the flash unit into position. Insert the cord plug into the camera socket.



HOW TO INSERT AND EJECT FLASH BULBS

INSERTING AND REMOVING BASELESS ADAPTERS

1

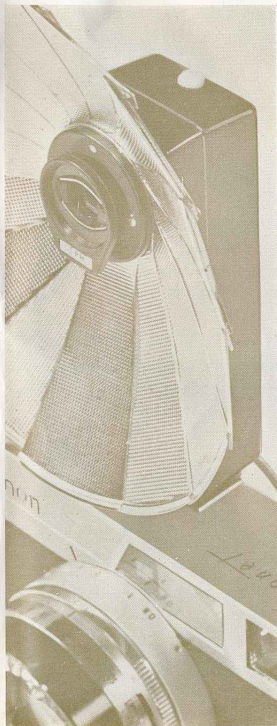
Baseless adapters are sockets to be used exclusively for baseless flash bulbs. There are two types of baseless adapters, AG and PH types. Use the type that corresponds with the flash bulb to be used.

2

The baseless adapter can be removed by pulling it out while pressing the ejector for swan-base flash bulb use. The baseless adapter can be inserted by pushing it in after matching the white dot on the adapter to the white dot on the unit.

3

When the baseless adapter is removed, the socket becomes a socket for swan-base flash bulb use.



INSERTION OF FLASH BULBS

1

In case of Swan-Base
Remove the adapter and then fit the bulb base keys to the socket grooves and push in.

2

In case of AG Type
Keep the base of the flash bulb horizontal with the socket and push in.

3

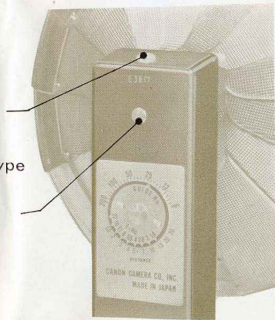
In case of PH Type
Keep the connecting wires at the base of the flash bulb vertical with the socket and push in.



EJECTION OF FLASH BULBS

In case of Swan-Base
Press the ejector on the top side of the flash unit.

In case of AG and PH Type
Press the ejector on the back side of the flash unit.

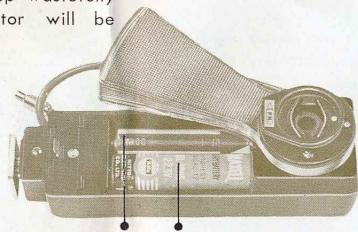


HOW TO LOAD THE BATTERY

Remove the front cover while pressing the hook. When loading the battery, be sure to set the (+) and (-) marks according to instructions. If the battery is inserted in a wrong position, it will be used up wastefully and the capacitor will be damaged.

When the flash unit is not used for a long time, remove the battery.

Replace the battery with a new one from time to time.



Capacitor

Battery BL-MV15 (22.5V)



SYNCHRONIZING SCOPE OF CANONET AND CANONET JUNIOR

CANONET

The Canonet synchronizes with flash bulbs within the following scopes.

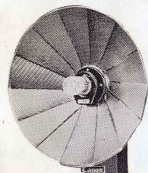
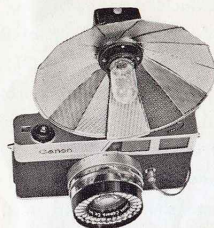
Class M Bulbs

All shutter speeds at M contact

Class F Bulbs

1/60~1 sec. at X contact

Exposures for flash photography cannot be decided by the EE system, so use the manual exposure setting method.



CANONET JUNIOR

The Canonet Junior has X contact synchronization at 1/30sec. setting. No calculation of guide number is possible with use of AG-I or PH-I type baseless bulb.



EXPOSURE SCALE DIAL

Exposures for flash photography are decided on the basis of the guide numbers designated on the bulb package. On the guide number chart there are guide numbers for the different film sensitivities and shutter speeds, so select the appropriate shutter speed and find the correct guide number. The lens aperture is then decided on the basis of the following formula:

$$\text{Guide Number} \div \text{Distance} = \text{F Number}$$

For this calculation it is convenient to use the exposure scale dial on the back side of the flash unit. For instance, if the guide number 24 is indicated on the guide number chart, set the guide number indicator to number 24 on the dial. Next, focus for distance. If the distance is 3 meters, check the F number on the inside ring which is opposite to number 3 on the distance scale. This number is 8. Therefore, set the lens aperture at 8.



Indicator

TESTING

Insert a flash bulb in the flash unit and then press the test button. If the pilot lamp lights up momentarily, then the flash unit is in good working condition.

If the pilot lamp does not light up, check the following points:

1

Is there sufficient voltage (over 20V) in the battery?

2

Is the flash bulb a good one?

3

Is there good contact between the flash bulb and the socket? Is there protective film still attached to the metal part of the flash bulb?

4

Are the battery and capacitor in complete contact with the spring terminal?

5

Are the battery and capacitor inserted correctly?

6

Is the flash unit attached correctly to the camera?



Pilot Lamp

Test Button