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Instructions  
for using the  
**J O H N S O N**  
**C A P A C I T O R**  
**F L A S H G U N**

MODEL O



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**JOHNSONS OF HENDON LTD.**  
LONDON. N.W.4 ENGLAND

# JOHNSON

## CAPACITOR FLASHGUN

The Johnson Capacitor Flashgun has been produced to provide the Amateur Photographer with the most up-to-date and most reliable method of flash photography. It is precision made, small in size, very light and finished to a first-class standard.

The outfit consists of a body of plastic material, containing the capacitor and resistor, and a permanently attached synchronising lead having at its free end a co-axial fitting which plugs into the outlet socket of Compur, Prontor and Pronto type of synchro shutters. The screw fitting at base of body will slide into any standard camera shoe.

The reflector and lamp socket are formed in one piece and is firmly bolted to the plastic body. All types of flashbulbs with ASCC caps may be used.



The Flashgun uses a miniature 22½ volt battery (not supplied with Outfit), such as the Ever Ready B122, or similar, which is used largely in hearing aids, and is readily obtainable throughout the world. This battery will supply sufficient energy to fire 1,000 bulbs over a period of some six months, after which time replacement may become necessary.

# INSTRUCTIONS FOR ASSEMBLY

## FITTING THE BATTERY

Remove the cover at the back of the plastic body by lifting it at the end where it is held by the flat metal spring. Insert the battery, making sure that the positive end marked  $22\frac{1}{2}v +$  is in the clip marked + in the case. (This is most important as if incorrectly fitted damage will be caused to the capacitor.)

Replace the cover on the back of the case by first inserting the lip at the top (reflector) end and then pressing it down to be held by the spring clip.

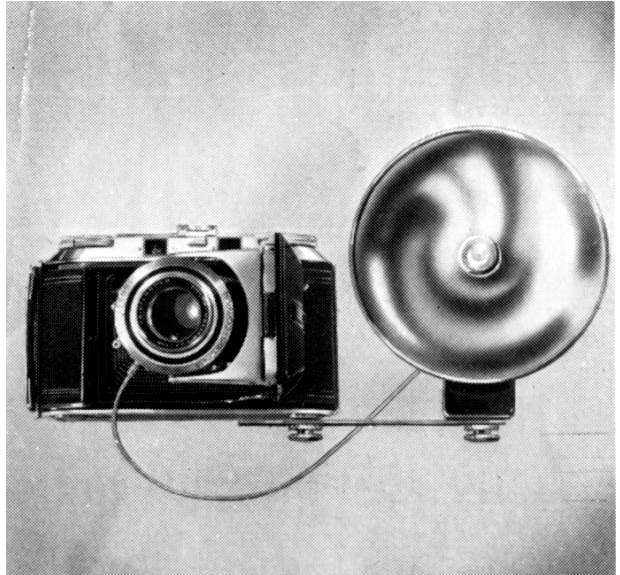
## FITTING FLASHGUN TO CAMERA

The base screw is designed to fit into the standard camera accessory shoe. Any looseness can be overcome by slightly opening the flanges on the base screw with a penknife or screwdriver. For cameras not fitted with an accessory shoe a bracket is available as an extra which enables the gun to be attached to the tripod bush.

## METHOD OF FIRING

Insert plug into synchro socket of shutter. Place flashbulb into lampholder; this automatically switches the battery to the capacitor, and 5 seconds should be allowed for the capacitor to charge up before setting shutter and making exposure in the normal way.

*(See special note overleaf)*



# SPECIAL NOTES

When a flashbulb is fitted to the gun a very small current is drawn continuously from the battery. Therefore flashbulbs, or test bulbs, should not be left in the gun for very long periods, and should always be removed when the gun is not in use. When the trigger circuit is closed, as is the case when the shutter is open at " TIME " a heavier current is drawn from the battery, whether there is a bulb in the gun or not. In this case, to prevent the battery being run down unnecessarily, remove synchro lead from the shutter.

When first putting the Flashgun into service (or if it has been out of use for some time) delay the firing of the bulb for about one minute after inserting it in order to allow the charge in the capacitor to build up.

It should be noted that battery exhaustion does not cause late firing of bulbs, even though the battery is used right to the end of its useful life and to the point that it will not fire bulbs.

The operation of the flashgun may be tested by the use of a specially designed 6-volt 0.04 amp. filament bulb. (No other bulb is satisfactory.) This is used in the same way as a flashbulb and produces a momentary glow when the shutter is fired, thus providing a means of checking the shutter operation, connections and condition of the battery.

The following accessories are available for use with the Johnson Capacitor Flashgun : *(Prices include P. T.)*  
s. d.

Camera bracket, necessary when camera is not fitted					
with accessory shoe . . . . .				7	3
Test Bulb - 6-volt 0.04 amp. with ASCC cap. . . . .				1	7
Battery - Ever Ready No. B122, 22½ volt . . . . .				3	0

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