



# Canon

## SPEEDLIGHT UNIT

The CANON SPEEDLIGHT UNIT is primarily for use with Canon Camera Models IVS2, IIS and VT, but it may also be used with other electronically synchronised cameras. It features a High-Low Power Control Switch, which will enable you not only change the flash duration and light output to fit the object you are photographing but conserve the battery life and shorten the recycle time between consecutive flashes. It is actuated by three 67.5 volt dry batteries.

# SPECIFICATIONS

SWITCH POSITION	"ON HIGH"	"ON LOW"
Power Source	Dry Battery	
Voltage Required	200V (67.5V×3)	
Capacitor	3,000 mfd (220WV)	1,500 mfd (220WV)
Electrical Energy Input	60WS	30WS
Flash Duration (approx.)	1/400 sec.	1/800 sec.
Recycle Time (min.)	3.5 sec.	2 sec.
Light Output (Guide Number) in (feet)	B & W Film : 110 (ASA 100) 80 (ASA 50) Color Film : Kodachrome 22 (ASA 10) Anscochrome 34 (ASA 32)	B & W Film : 80 (ASA 100) 56 (ASA 50) Color Film : Kodachrome 16 Anscochrome 24
Color Temperature (approx.)	5,600°K	
Tube Life	20,000 discharges or more	
Reflector	5"	
Beam Angle	60°	
Battery Life	800-1,000 discharges	1,000-1,500 discharges
Power Housing Dimensions	148×195×58mm	
Weight, without Battery	4 lbs.	
Weight, with Battery	5 3/4 lbs.	

Batteries recommended :

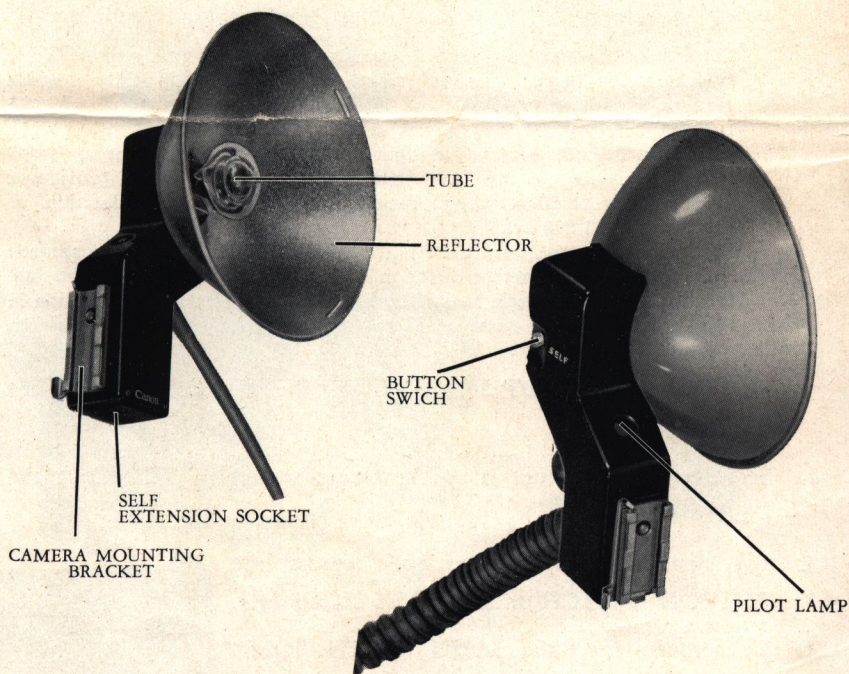
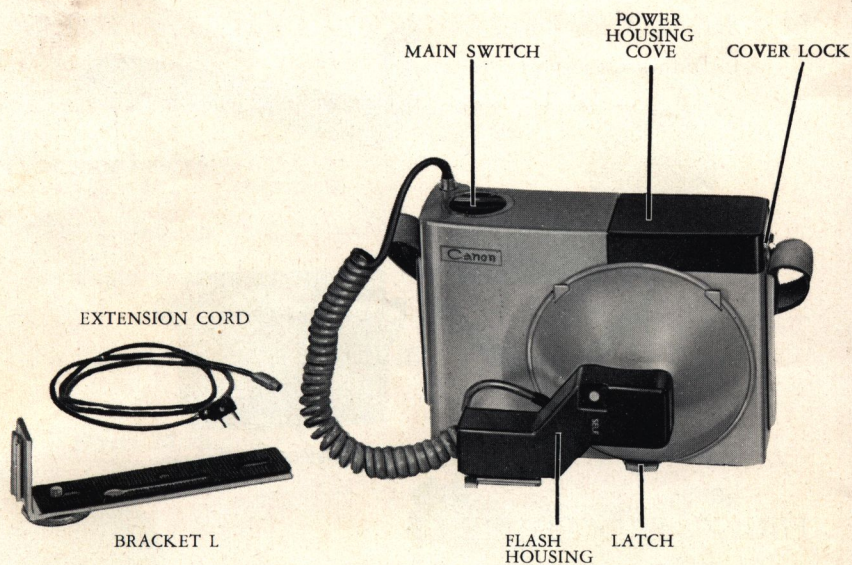
## AMERICAN

Eveready	477
R C A	
Burgess	P 45
Philco	P 149
Emerson	EM 216

## JAPANESE

National	(BL-M145)
Maxell	(BL-M145)
Duramax	(BL-M145)
Flattery	(BL-M145)
Nobel	(BL-M145)
Lamina	(BL-M145)







## CONNECTING FLASH HOUSING TO THE CAMERA

Unlatch and separate the FLASH HOUSING from the POWER HOUSING and connect it to the camera as shown below:

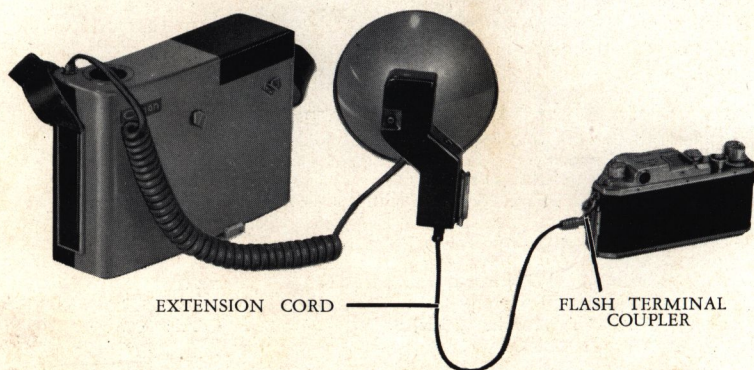
(The L Bracket and the extension cord are included with the Speedlight Unit).

(1) For Camera Models IV-S2 and II-S

a. Direct Mounting

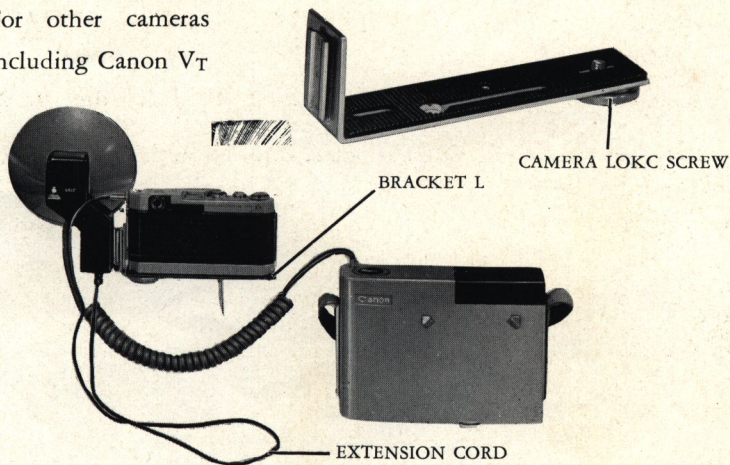


b. Off the camera





- (2) For other cameras including Canon VT



## FIRING PROCEDURE

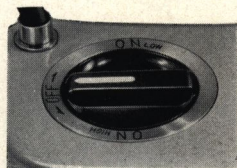
1. Turn the MAIN SWITCH to either the "ON HIGH" or the "ON LOW" position according to the object you are photographing.

For instance, when you need a maximum light output (greater Guide Number), use the "ON HIGH" switch position, which provides a guide number of 110 for the Black and White film with a film speed of ASA 100 and a flash duration of approximately  $1/400$  sec. On the other hand, when you do not need much light output or when you want to "stop" some fast action, use the "ON LOW" switch position, which provides a guide number of 80 for the aforementioned film and a flash duration of approximately  $1/800$  sec.

For intermittent use, push the MAIN SWITCH down for a few seconds (no need to turn in either direction) until the PILOT LAMP lights up. It will then take a single flash. The light output and the flash duration in that case will be the same as if you are using the "ON LOW" switch position.

As soon as the PILOT LAMP glows, the flash unit is ready to be used.

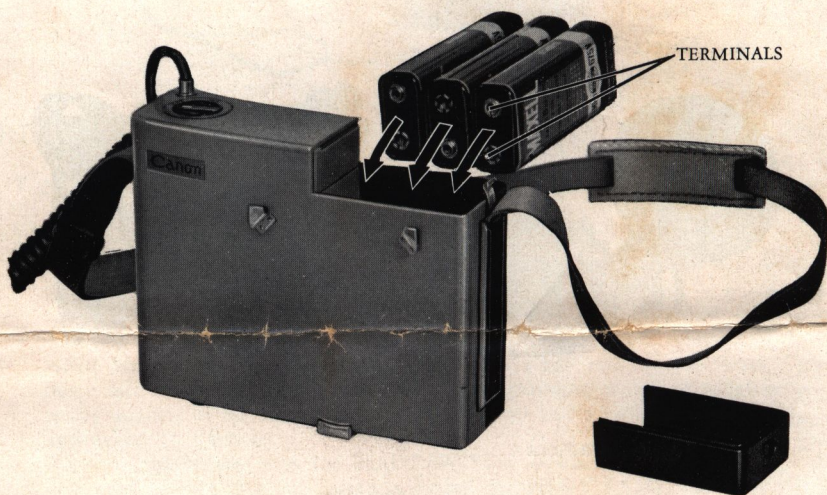
2. Set the camera's built-in synchronizing setting to "X". Cock the shutter mechanism.
3. For open-flash or for testing, depress the BUTTON SWITCH on the FLASH HOUSING.
4. Be sure to keep the MAIN SWITCH "OFF" whenever the flash unit is not in use.





## LOADING BATTERIES

Remove the cover of the POWER HOUSING and load three 67.5 volt dry batteries (See SPECIFICATIONS for suggested batteries) as illustrated. Be sure to connect battery and POWER HOUSING terminals securely.



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