

Chinon S-360 Flash unit

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ENGLISH

Description of Flash Unit Elements

- | | |
|------------------------------|--------------------------|
| 1. Main-Reflector | 11. Film Speed Selector |
| 2. Sub Reflector | 12. Ready Lamp |
| 3. Light Sensor | 13. Auto Checker |
| 4. Sub-Reflector Switch | 14. Distance Selector |
| 5. Battery Compartment Cover | 15. Power Pack Socket |
| 6. Synchro Cord Socket | 16. Auto/Manual Selector |
| 7. Lock Ring | 17. On/Off Switch |

8. Mounting Foot

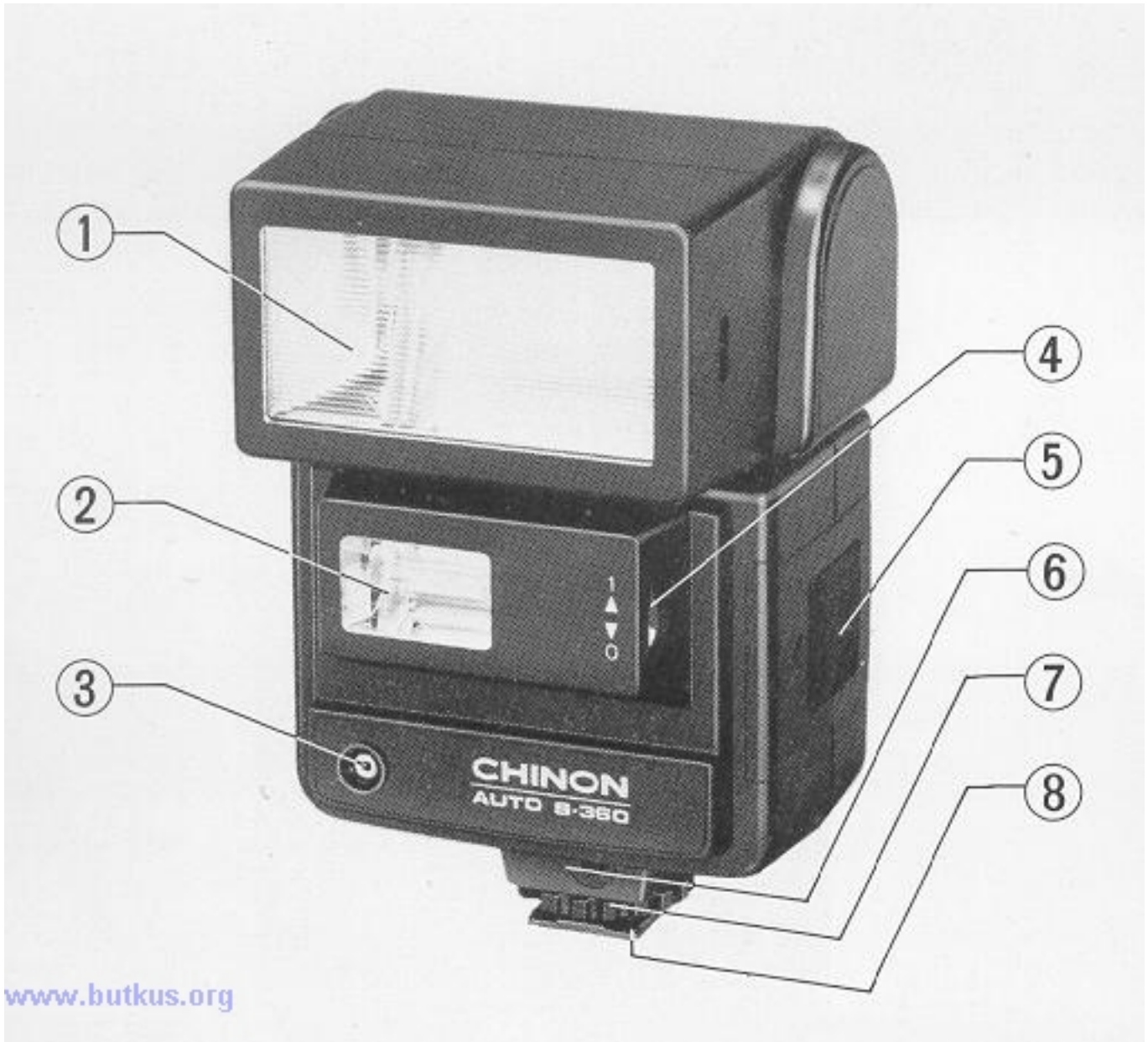
9. F. Stop Indicator

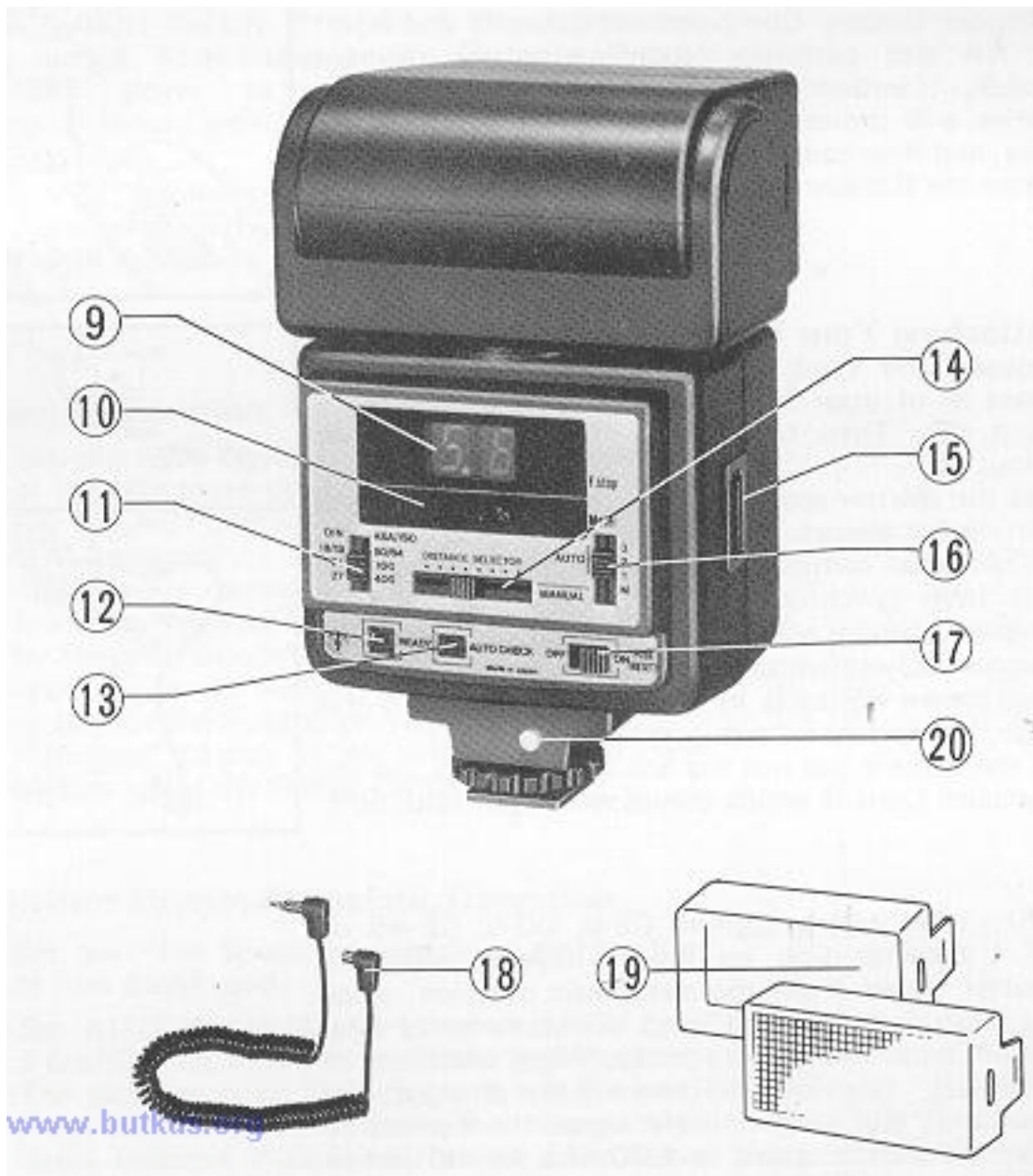
10. Distance Range Indicator

18. Synchro Cord

19. Filter Kit

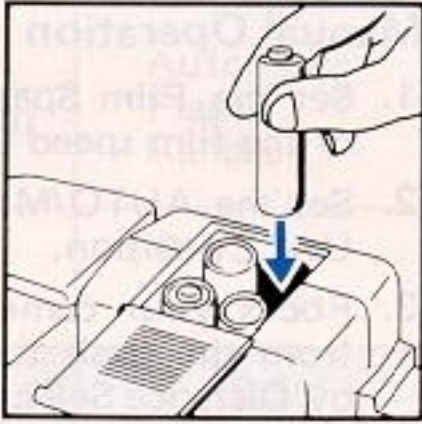
20. Test Button





Inserting the Batteries

Remove the Battery Compartment Cover 3) and insert 4 AA

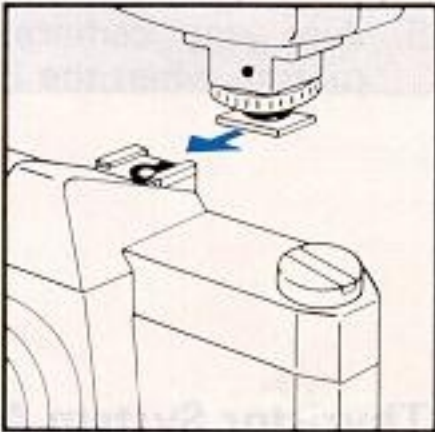


size batteries according to the diagram inside, (Caution: Incorrect insertion of the batteries will prevent proper operation of the flashgun, and may cause damage.)

Close the Battery Compartment Cover....

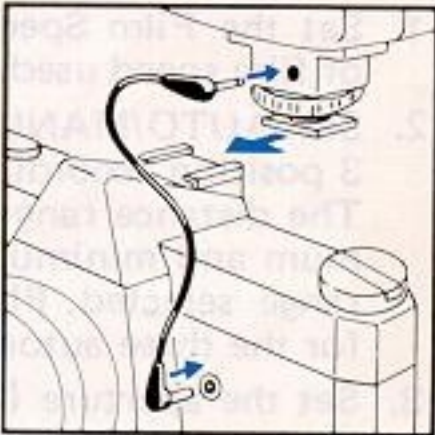
Attaching Your Flash to the Camera

Loosen the Lock Ring (7). Insert the Mounting Foot (8) of your flash into the camera's accessory shoe clip. Then tighten the flash with the Lock Fang.



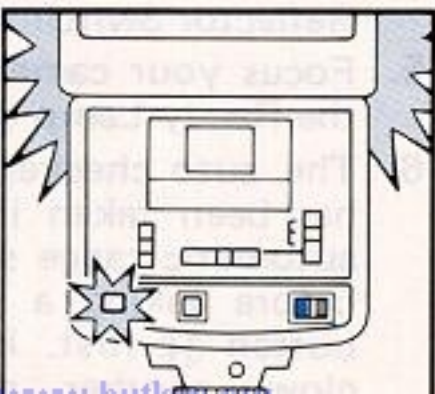
Set the shutter speed of your camera to the proper setting for electronic flash use, or to 1/60 seconds. (Read your camera owner's manual for details on the flash synchronization.)

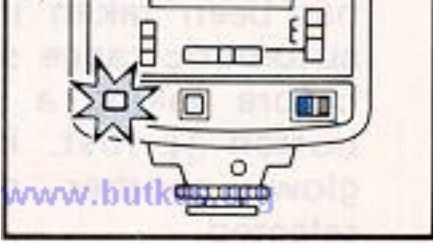
If your camera has a hot shoe contact, your flash is now fully synchronized with the camera through the center contacts in the camera's shoe. In this case, the Synchro Cord is not necessary.



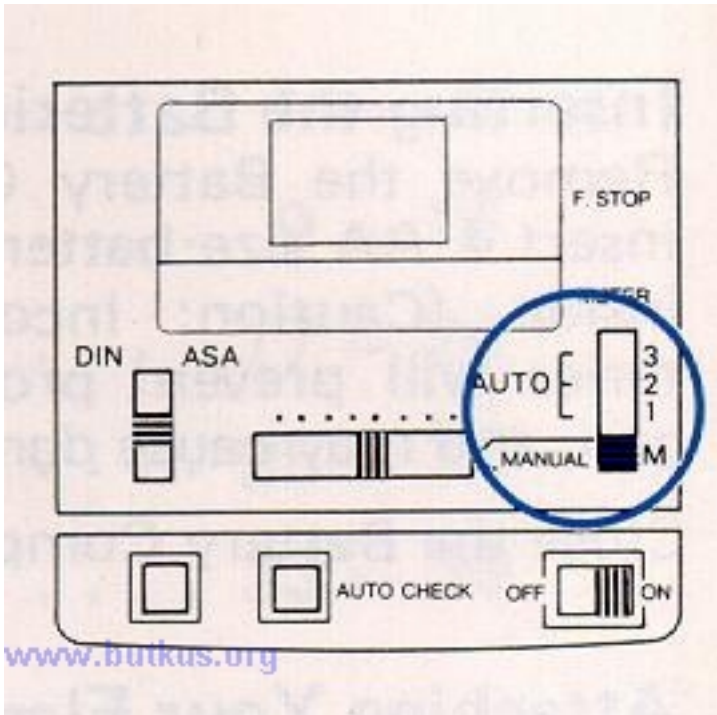
If the camera doesn't have a hot shoe contact, use the Synchro Cord (1-9) which comes with your flash unit.

When used with a Chinon CE-5, CO-5, CE-4S or CE-4 cameras you no longer have to alter the shutter speed from the automatic position, since the flash is "dedicated" and is electronically integrated with the camera body. When switched to the "ON" position and when fully charged, the flash unit will electronically signal the camera to alter the shutter speed to 1/60 of a second (set to 1/90 sec. with CG-5). After the flash picture has been taken the camera will automatically revert back to the automatic shutter speed setting appropriate for the lighting condition.





Battery Operation



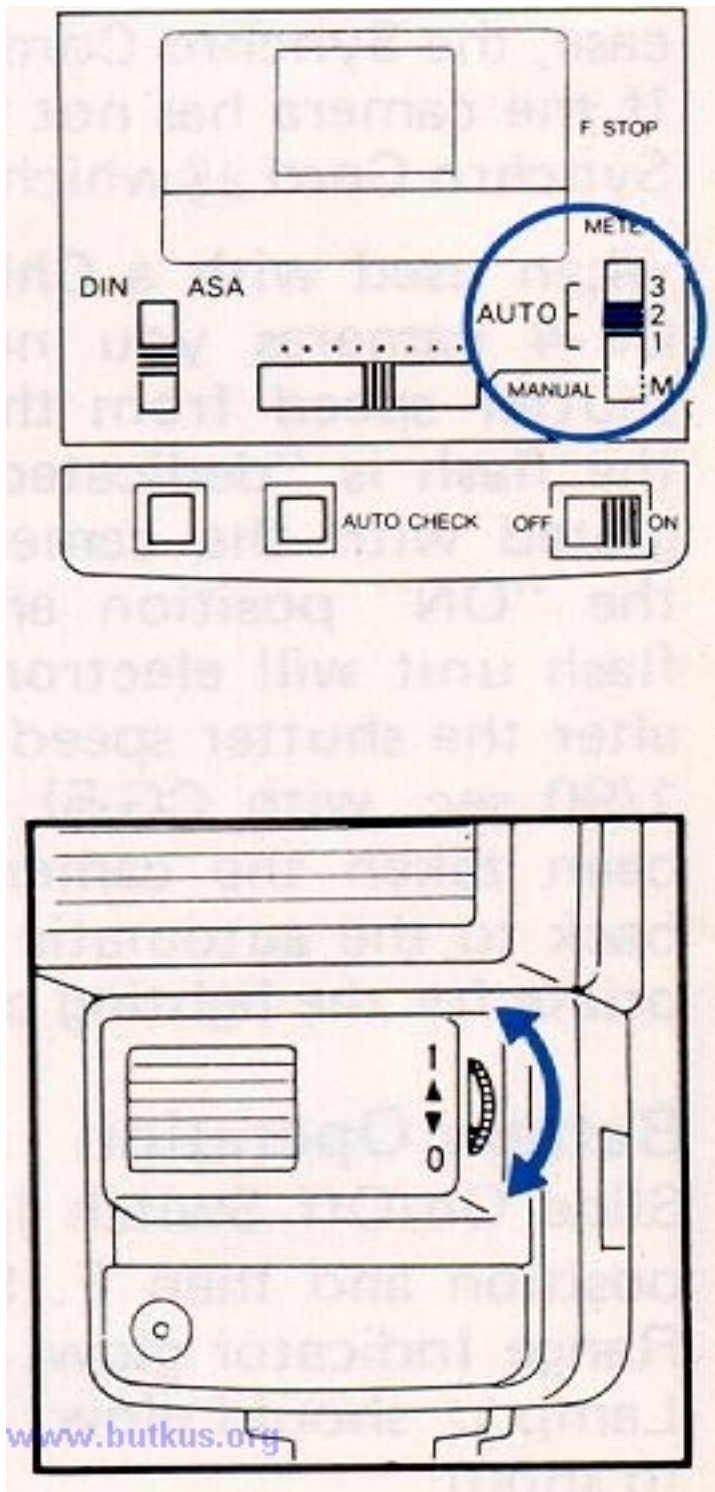
Slide On/Off Switch is to the "On" ("B" mark) position and then F. Stop Indicator and Distance Range Indicator glow. In a few seconds the Ready Lamp (12) should glow, indicating the flash is ready to shoot.

Push the Test Button (14) to make sure your flash unit works properly. If the flash discharges, then wait until the Ready Lamp glows again.

Manual Operation

1. Set the Film Speed Selector (11) to the position of the film speed used.
2. Set the AUTO/MANUAL Selector (17) to "MANUAL" position.
3. Focus your camera and estimate the distance from the flash to subject and set the distance by Distance Selector (15).
4. Read the proper F. Stop from F. Stop Indicator (9) and set the F. Stop on your camera.
5. Aim your camera at the subject and take the picture when the Ready Lamp (12) glows,---

Thyristor System Automatic Operation



1. Set the Film Speed Selector (11) to the position of film speed used.
2. Set AUTO/MANUAL Selector (17) to 1, 2, or 3 position according to the flash range required. The distance range indicator (10) shows the maximum and minimum distances for the automatic range selected. Please refer to the table below for the three automatic flash ranges.
3. Set the aperture (F. Stop) of F. Stop Indicator (9) on your camera.
4. a) For Bounce Flash Operation, Us twin-flash with Sub-Reflector switched on ("1" position).
b) For Direct Flash Operation, slide the Sub-Reflector Switch to off ("0" position).
5. Focus your camera and take the picture after the Ready Lamp (12) glows.
6. The auto checker (13) will glow after a picture has been taken if the subject was within the automatic range selected. This can be checked before taking a picture by pressing the test button (14) first, If the auto checker does not glow, another automatic range should be selected.

Dedication System With CHINON Cameras

Auto Switch Position	F. Stop			Automatic Flash Ranges
	ASA50/64 DIN18/19	ASA100/ DIN21	ASA400/ DIN27	
1	8	11	22	0.7-3.3m (2.3-11 ft)
2	4	5.6	11	1 -6.5m (3.3-21ft)
3	2	2.8	5.6	1.5-13m (4.9-42ft)

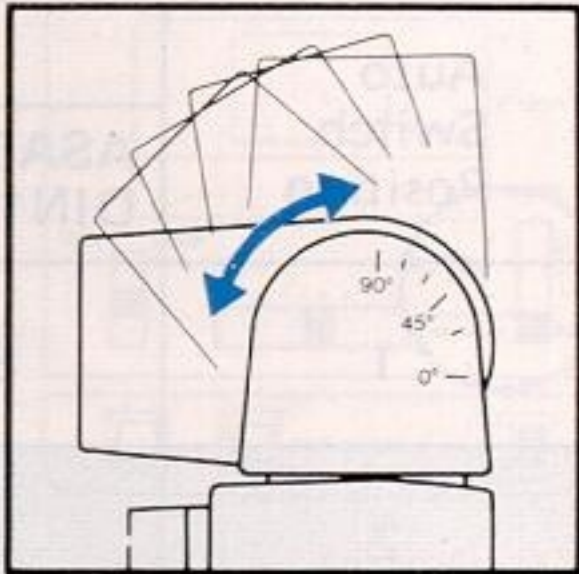
Used with Chinon CE-5 and CG-5, the flash ready indicator (red LED) in the viewfinder will glow signaling the camera and flash are ready to operate. With Chinon CE-5, CE-4S and CE-4, the viewfinder 1/60 sec. shutter speed will glow....

Auto Shut-Off

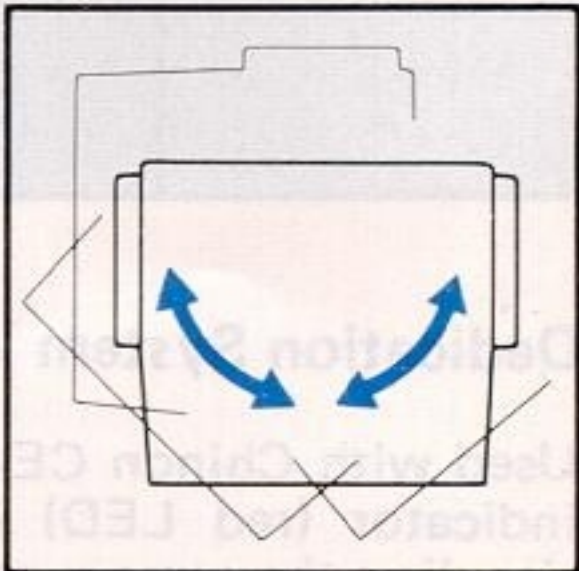
Your flash is designed to automatically shut off the power supply to save the battery energy. When the unit is switched on, the F. Stop Indicator (9) and Distance Range Indicator (10) come on to indicate the start of charging. After some time, both indicators go off to indicate the power supply has shut-off and the charging stopped, if the unit is left unoperated. The Ready Lamp (12) stays on until the charged energy runs out. You can fire your unit as long as the Ready Lamp is on, and the unit, if fired, resets to the original state. A short push of the On/Off switch (Reset Button) (18) can also charge the unit again.

(If neither the Ready Lamp nor the F. Stop Indicator come on after the On/Off switch is turned on, push the On/Off Switch to reset the flash unit.)

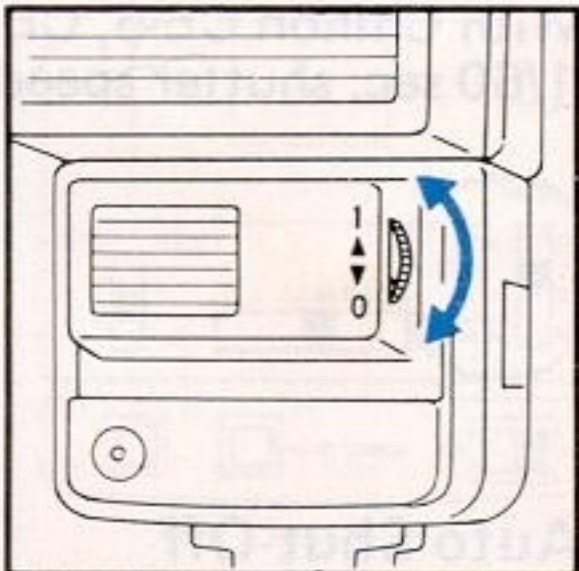
Bounce Photography



Use bounce flash when you desire to make a softer effect and to eliminate the shadow on your subject. When taking flash pictures indoors, bounce the light off the white or reflective colored walls ceiling or reflective flat surfaces. You can tilt the Flash Head in horizontal direction by 160° to the right and 180° to the left as well as in vertical direction by 90° upwards. It is recommended to operate your flash in the automatic operation for bounce flash. For bounce photography, it is very important to remember that the automatic flash range should refer the total distance of flash to reflector to subject.

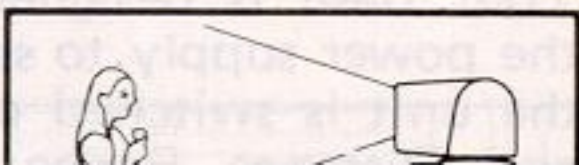


You can enjoy dual flash light with the Sub-Reflector (2). Slide the Sub-Reflector Switch (4) to "1" position. Both the flash lights from Main Reflector (1) and Sub-Reflector will give you a variety of flash techniques as illustrated. If you do not want to use the Sub-Reflector, slide the Sub-Reflector Switch to "0" position. Use twin flash with Sub-Reflector switched on for bounce flash operation. Single flash with Sub-Reflector switched off is desirable when shooting directly at your subject.

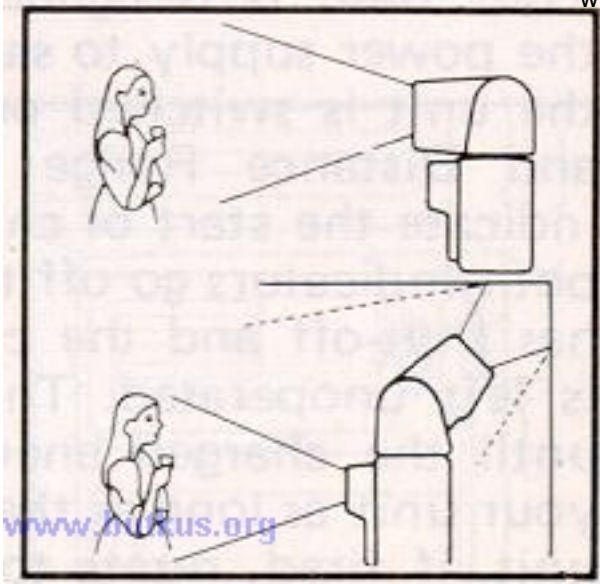


Note: For Bounce Dual Flash Photography in Automatic Operation.

As the Sub-reflector gives always the same light output, you shall determine the camera lens aperture according to the Sub-reflector's guide number (G. No. 12 ASA100/21DIN). In order to get the clear efficiency of shadow from bounce lighting you can set the flash by one F-stop bigger.



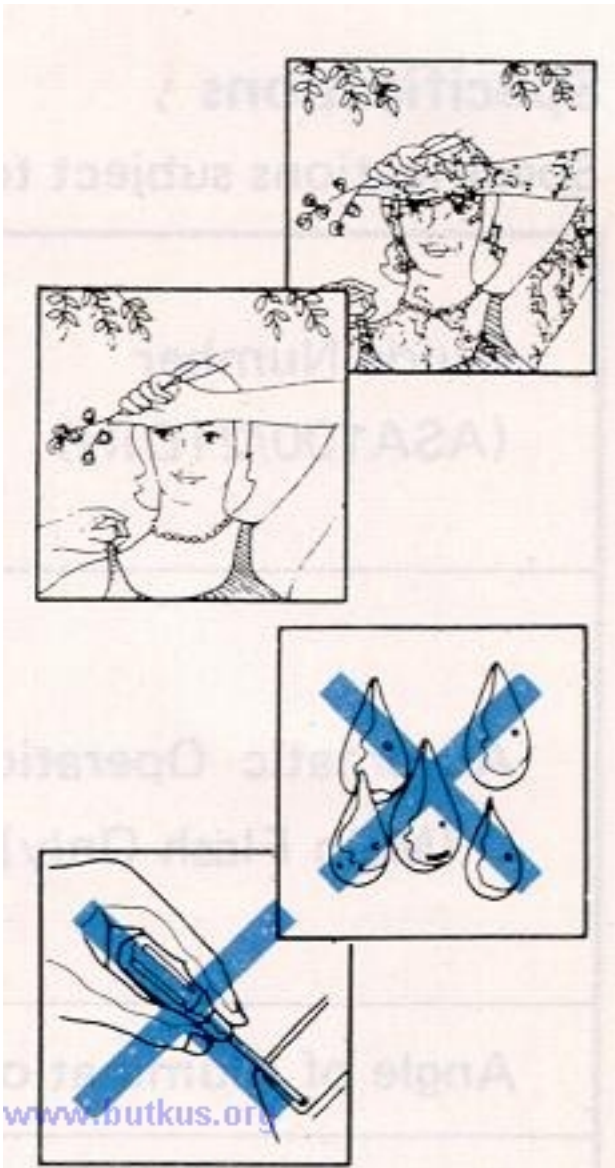
Example: With ASA100/21DIN film. Subject



distance 3m from the camera.
Sub-reflector G. No.12 divided by 3m = F4.
(Camera lens aperture) .

Flash Auto setting to be F5.6.

Hints for Maintenance and Better Flash Photography



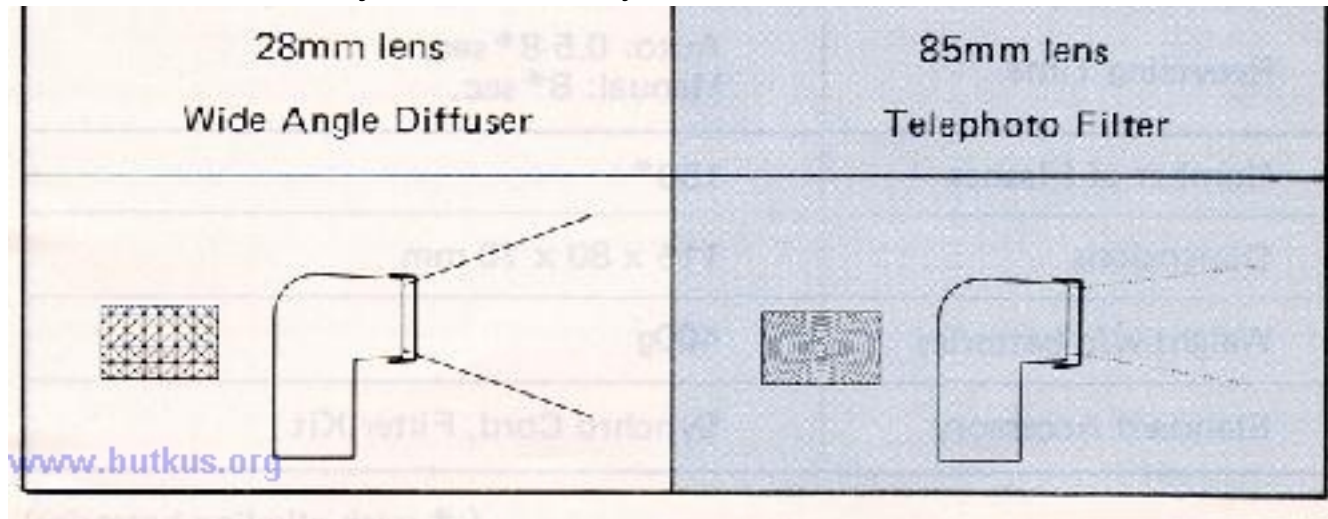
The use of flash eliminates squinting and shadows and help bring out natural facial expressions on the subject. When taking pictures, against highly reflective surfaces like mirrors, glass or glittering water, use automatic operation.

When not in use, switch the unit off. Take the batteries out when the flash if it is being stored or when it will be carried for a long time. Keep your flash unit away from dust and moisture to prolong its life.

Do not try to open or repair your flash unit since the electric circuit inside carries a high voltage, If your flash needs repair or does not work correctly, take it to where you bought it from. Opening the unit voids the warranty.

Filter Kit (Wide angle Diffuser & Telephoto Filter)

Your flash light can be widened or lengthened with this filter kit. This filter affects the total distance the subject can be away from the flash.



Automatic Operation

ASA 100/DIN21	Wide Angle Diffuser	Telephoto Filter
F 2.8	4.3 - 29 feet	6.6 - 49 feet
F 5.6	2.3 - 14 feet	5.0 - 24 feet
F 11	1.7 - 7 feet	3.3 - 12 feet

Specifications

Specifications subject to change without notice:

Guide Number (ASA100/21 DIN)	36 (Main Flash) 12 (Sub Flash)
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Automatic Operation (Main Flash Only)	f2.8(ASA100/DIN21) 1.5-13m (4.9 - 42 ft) f5.6(ASA1 00/DIN21) 1-6.5m (3.3 - 21 ft) f11 (ASA100/DIN21) 0.7-3.3m (2.3 - 11ft)
Angle of Illumination	35mm lens
Power Source	4 AA size 1.5v batteries ...
Flash Duration	Automatic 1/30,000-1/500 see, Manual 1/500 sec.
Recycling Time	Auto: 0.5-8*sec. Manual: 8*sec.
Number of Flashes	150*
Dimensions	115 x 80 x 70mm
Weight w/o batteries	400g
Standard Accessory	Synchro Cord. Filter Kit

(* with alkaline batteries)