

# Chinon S-300 flash unit

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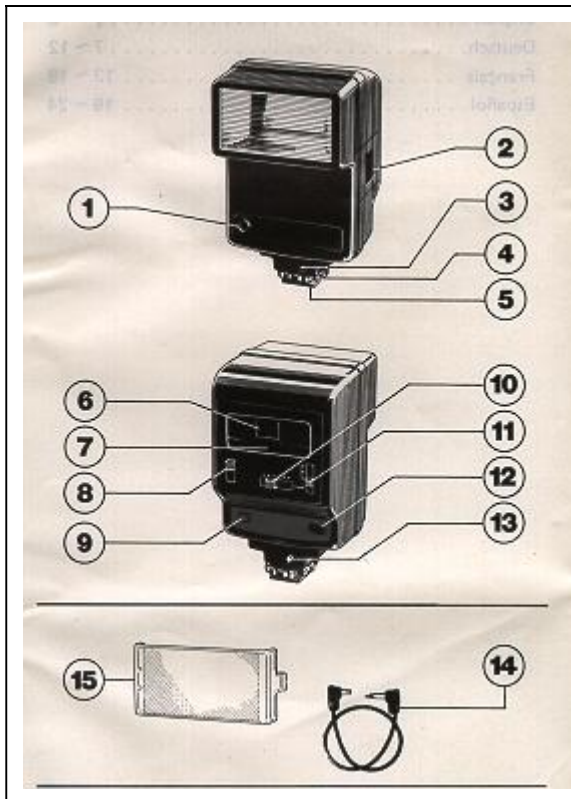
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## Description of Flash Unit Elements



1. Light Sensor
2. Battery Compartment Cover
3. Synchro Cord Socket
- 4, Lock Ring
5. Mounting Foot
6. F. Stop Indicator
7. Distance Range Indicator
8. Film Speed Selector
9. Ready Lamp

10. Distance Selector

11. Auto/Manual Selector

12. On/Off Switch

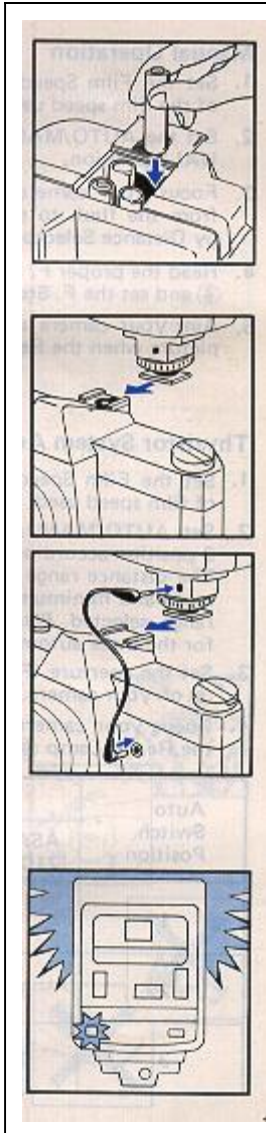
13. Test Button

14. Synchro Cord

15. Wide Angle Diffusor

## Inserting the Batteries

Remove the Battery Compartment Cover (if) 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 (4) . Insert the Mounting Foot (5) of your flash into the camera's accessory shoe clip. Tighten the flash with the Lock Ring.

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 and off center contacts in the camera's shoe. In this case, the Synchro Cord is not necessary.

If the camera has no hot shoe contact, use the Synchro Cord Which comes with your flash unit.

## Dedication System With CHINON Cameras

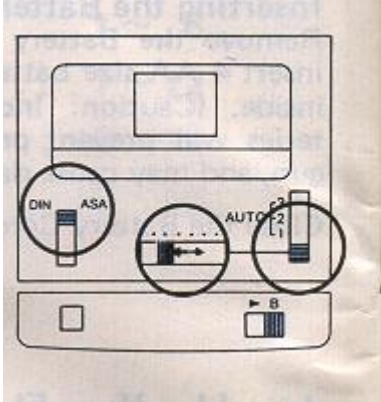
Used with Chinon CP-5, CE-5, CG-5, CE-4S or CE-4, the flash ready indicator in the viewfinder will glow signaling the camera and flash are ready to operate when the flash is fully charged and ready to fire. Should a long time be needed for the viewfinder signal or flash ready light to become lit (over 30 seconds), new batteries will be needed soon.

## Battery Operation

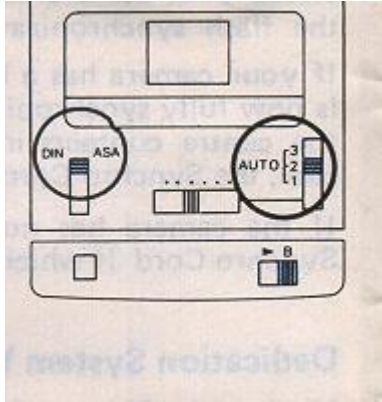
Slide On/Off Switch (12) to the "On" ("B" mark) position and then F. Stop Indicator and Distance Range Indicator will glow. In a few seconds the Ready Lamp (9) should glow, indicating the **flash is ready to shoot**.

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

## Manual Operation

 A photograph of a camera's control panel. Three circular callouts highlight specific controls: the left callout points to the film speed selector with 'DIN' and 'ASA' markings; the middle callout points to the AUTO/MANUAL selector with '1', '2', and '3' markings; the right callout points to the distance range indicator with '1', '2', and '3' markings. Below these are a square test button and a battery indicator with a 'B' mark.	<ol style="list-style-type: none"><li>1. Set the Film Speed Selector 8 to the position of the film speed used.</li><li>2. Set the AUTO / MANUAL Selector (11) to "MANUAL" position.</li><li>3. Focus your camera and estimate (or check the lens setting) the distance from the flash to subject and set the distance by Distance Selectors (10).</li><li>4. Read the proper F. Stop from F. Stop Indicator 6 and set the F. Stop on your camera.</li><li>5. Aim your camera at the subject and take the picture when the Ready Lamp (9) glows.</li></ol>
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## Thyristor System Automatic

<p><b>Operation</b></p>  A photograph of a camera's control panel. Two circular callouts highlight specific controls: the left callout points to the film speed selector with 'DIN' and 'ASA' markings; the right callout points to the AUTO/MANUAL selector with '1', '2', and '3' markings. Below these are a square test button and a battery indicator with a 'B' mark.	<ol style="list-style-type: none"><li>1. Set the Film Speed Selector (8) to the position of the film speed used.</li><li>2. Set AUTO/MANUAL Selector (11) to 1, 2, or 3 position according to the flash range required, The distance range indicator (7) shows the maximum and minimum distances for the automatic range selected. Please refer to the table below for the three automatic flash ranges,</li><li>3. Set the aperture (F. Stop) of F. Stop Indicator A) on your camera.</li><li>4. Focus your camera and take the picture when the Ready Lamp (9) glows.</li></ol>
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F - Stop setting to set your lens at, no adjustment is needed if subject is within ranges below

Auto Switch Positon	ASA 100	ASA 200	ASA 400	ASA 800	Auto flash ranges
	F - 8	F - 11	F- 16	F - 22	2.3 - 12 feet
	F - 5.6	F - 8	F - 11	F - 16	3.3 - 18 feet
	F - 2.8	F - 4	F - 5.6	F - 8	5 - 36 feet

### Auto Shut-Off

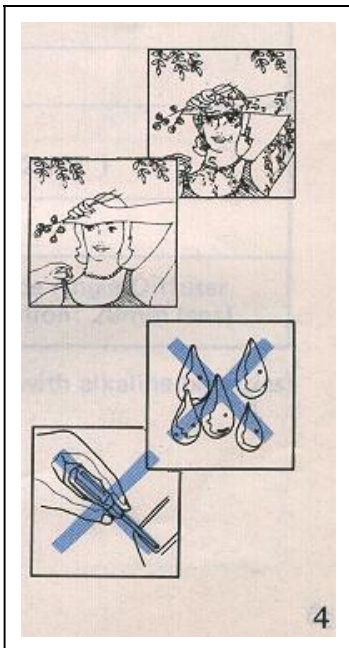
Your flash is designed to automatically shut off the power supply to save the battery energy. When the unit is switched on, the F. Stop Indicator (6) and Distance Range Indicator (7) come on to indicate the start of charging. After some time, both indicators go off to indicate the power supply has shut-off and the charging stopped, if the unit is not operated. The Ready Lamp (9) 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) (12) will 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

(this unit will not tilt or swivel, this is if you are able to have it off the camera with the flash sync cord attached)  
Use bounce flash when you wish to achieve 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.

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.

### 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 unit 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.

**Wide Angle Diffuser**  
**[Angle of Illumination: 28mm lens]**

Your flash beam can be widened, lengthened or you can obtain a softer lighting effect on your subject with this wide angle diffuser.

Automatic Operation Range

ASA100/21DIN	Wide Angle Diffuser
Auto 1	(2.3-10ft)
Auto 2	(3.3-15ft)
Auto 3	(5.0-33ft)

**Specifications**

Specifications subject to change without notice

Guide Number (ASA100/21DIN)	30 (ASA100/21 DIN, m) 60 (ASA400/27DIN, m) 50 (ASA25/15DIN, ft) 98 (ASA100/21DIN, ft)
Automatic Operation (ASA100/21DIN)	Auto 1 - f8: 0.7-3.8m (2.3 -12ft) Auto 2 - f5.6: 1.0-5.5m (3.3 -18ft) Auto 3 - F2.8 1.5-11m (5.0 - 36ft)
Angle of Illumination	35mm lens
Power Source	4 AA size 1.5v batteries
Flash Duration	Automatic 1/30,000-1/500 sec. Manual 1/500 sec.
Recycling Time	Auto 0.3-9 * sec. ( * with alkaline batteries)
Number of Flashes	120 *
Dimensions	115X70x68 mm (4-1/2" x 2-5/8" x 2-1/2")
Weight w/o batteries	2259 (7.93 oz)
Standard Accessories	Synchro Cord, Wide Angle Diffuser (Angle of Illumination 28n m lens)