

PARTS IDENTIFICATION

1. Zoom head scale
2. Bounce angle scale
3. Swivel body
4. ISO selector
5. F number scale
6. Auto distance range lines
7. Distance scale
8. Battery cover
9. Zoom head compensator
10. ON/OFF switch
11. Test button
12. Locking ring
13. Hotshoe
14. Flash head
15. Auto / Hi, Lo power level selector
16. Auto check lamp
17. Ready light
18. Flash Module Lock
19. ON/OFF switch for slave feature

SOLIGOR 42 AS

ENGLISH

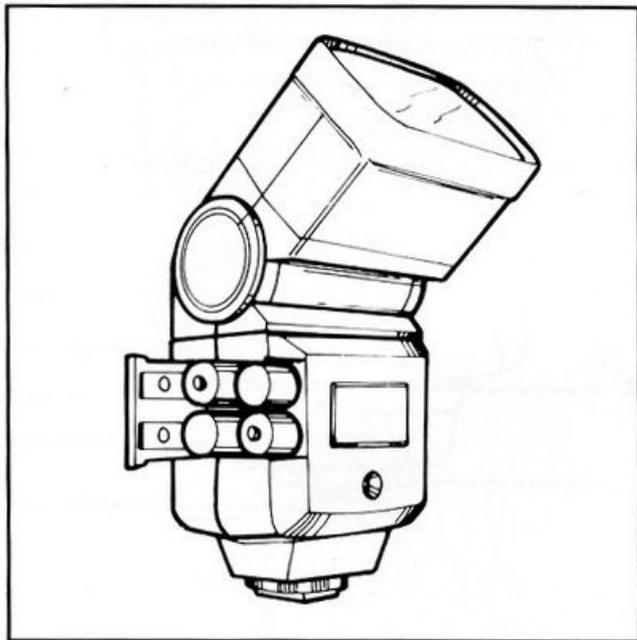
GENERAL OPERATING INSTRUCTIONS

A. Loading the Batteries

1. Open the Battery cover (8) by sliding it towards the front of the flash.
2. Insert four 1.5V 'AA' ALKALINE batteries in accordance with the diagrams on the inside walls of the battery compartment.
3. Close the cover by pushing it firmly downward and backward.

Note:

- a. For longer battery life use only ALKALINE batteries.
- b. When the time taken for the Ready light (17) to come on exceeds 30 seconds, replace the four exhausted batteries with the fresh ones.
- c. Make sure the batteries are removed if the flash is not used for a long time.



B. Mounting on the camera

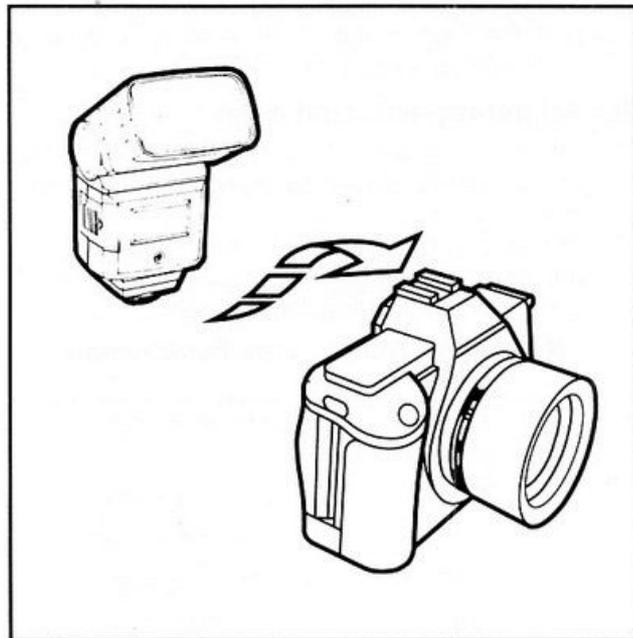
1. Loosen the Locking ring (12) by turning it upwards.
2. Slide the flash onto the camera's hotshoe and push fully home.
3. Rotate the Locking ring (12) downwards to lock the flash securely on the camera.

Caution:

It is advisable to have the power OFF when mounting the flash on or detaching from the camera to prevent any possible damage to the camera.

Note:

If the SOLIGOR 42AS flash is to be used with a camera that is not equipped with a hot shoe mount and release contact, the SOLIGOR "GRIP C" is needed. The flash is then mounted on the flash grip which also features a camera bracket.



C. Switching on the Flash

1. Move ON/OFF switch (10) to "ON" position and a high pitched whine will be heard.
2. The Ready light (17) will glow after a few seconds indicating the flash is ready to be fired.

Note:

- a. When the flash is new or has not been used for a long time, fire the flash a few times by pushing the Test button (11) to ensure the energy-storing capacitor is working at full power.
- b. If the unit is left switched on for about 5 minutes unused, it will switch automatically to a "STAND-BY" mode to conserve battery power. As long as the flash Ready light (17) continues to glow, the flash remains fully operative. Should the flash ready light not glow, operating the ON/OFF switch (10) or the Test button (11) once will restore the flash to full working order.
- c. If the flash is not to be used for a while, it should be switched to OFF (10).

D. Adjusting the Zoom head

1. The Flash head (14) allows selection of four preset lighting angles by pulling out or pushing in its lens.
2. The zoom head position is identified by the numbers shown on Zoom head scale (1), which correspond to the lens focal lengths.

Number on Zoom Head	Lens Focal Length
28 with wide-angle diffuser	24mm or longer
28	28mm or longer
35	35mm or longer
50	50mm or longer
85	85mm or longer

E. Using the Bounce and swivel head

Bounce or swivel head flash is used to soften the illumination and avoid strong highlights and shadows.

1. The Flash head (14) can be tilted upwards to various settings shown on Bounce angle scale (2) to bounce the light off the ceiling.
2. It can also be swivelled to bounce the light off a wall, preferably in white to avoid color casts on color pictures.

F. Using the Auto check lamp

1. The Auto check lamp (16) will glow for a couple of seconds to confirm correct exposure after a flash is fired in automatic operation mode.
2. If it does not, check that the flash and camera settings are correct, or move closer to the subject or change to a larger aperture.

G. Power level

1. There are two settings: full manual (Hi) and (Lo) which is particularly useful for close focus photography.
2. The distance range of (Lo) setting is shown on Distance scale (7).

H. Manual operation

1. Slide the Selector (15) to Hi position.
2. Choose the correct film speed by moving the ISO selector (4) to match film in use in camera.
3. Set the proper zoom head position by pushing in or pulling out the Flash head (14) to correspond to the camera lens.
4. Move Compensator (9) in accordance with above.
5. Focus your camera and read the subject distance.
6. Find out from the F number scale (5) the appropriate aperture directly above your approximate subject distance shown on Distance scale (7). Set this aperture on your camera lens.

I. Automatic operation

1. Choose the correct film speed by sliding the ISO selector (4) to match film in use in camera.
2. Set the proper zoom head position same as camera lens.
3. Set the Zoom head compensator (9) in accordance with above.
4. Select one of the four auto colored dots by moving the Auto selector (15).
5. Read out from the F number scale (5) the appropriate aperture shown directly above the left end of the related colored line and then set this aperture on camera lens.

J. Automatic operation with compact cameras featuring a built-in flash

1. Select the correct film speed by sliding the ISO selector (4) to match the film in use in the camera.
2. Set the Zoom head (14) position (1) to match the camera's lens or the focal length of the camera's zoom lens in use.

Example:

Lens focal length = 38mm

Flash zoom head position: 35mm

3. Set the Zoom head compensator (9) in accordance with the zoom head position.
4. If the flash is not used with the SOLIGOR Grip (C), the ON/OFF switch for the Slave feature (19) should be switched to ON.
5. Select one of the four auto colored dots by moving the Auto selector (15). To select the proper setting, check which F-stop your camera uses in the flash mode. In the case of most compact cameras, this F-number is identical to the maximum aperture (largest relative opening) of the camera lens. This information is usually provided in the specifications listed in the camera's instruction manual. The focal length and maximum aperture is also engraved or printed on the lens of many compact cameras.

Example:

1:5.6 / 35mm or 35mm / F5.6

Maximum aperture = 5.6

Determine which Colored line (6) ends under the appropriate F-stop number on the F-number scale (5). Set the Auto selector (15) on the color dot matching the colored line determined above.

Example:

Film speed : ISO 100

Zoom head position : 35

F-number : 5.6 = yellow dot

The distance range can be read off the Distance scale (7). Maximum distance: 17 meters / 18.5 yards.

Note:

Cameras featuring two focal lengths or a zoom lens always specify two F-stops or a variable aperture.

Example:

35mm / F3.8 and 60mm / F5.6 or

35-70mm / F3.8 - 7.6

When changing to another focal length, please ensure that the Flash head (14) is adjusted accordingly and that the Auto selector (15) is positioned on the correct dot.

6. Should the F-number of your camera not be featured on the F-number scale (5), select the next largest setting.

Example:

Camera f-number: F3.8

Flash setting : F4 = blue dot (ISO 100)

7. If the F-number of the camera cannot be determined, set the flash on an average setting, for example F4 or F5.6.
8. The SOLIGOR 42AS is activated by the built-in flash of the camera. Therefore, ensure that the camera is set in the flash mode.

SPECIFICATIONS

Flash type:

Automatic flash with slave option

Guide number (ISO 100M):

26 at 28mm head setting

32 at 35mm head setting

37 at 50mm head setting

42 at 85mm head setting

Exposure system:

Auto thyristor, full manual Hi, Lo level settings

Angle of coverage (V x H):

53° x 70° 28mm

45° x 60° 35mm

34° x 46° 50mm

23° x 31° 85mm

Auto aperture:

F2.8, F4, F5.6, F8

Auto range (ISO 100M at 35mm):

Color	F stop	Distance range
Green	F2.8	1.5m - 11m
Blue	F4	1m - 7.5m
Yellow	F5.6	1m - 5.2m
Red	F8	1m - 3.7m

Flash duration:

Auto 1/1000 to 1/30000 second

Manual 1/1000 full to 1/25000 second

Recycle time:

Auto 0.5 - 10 seconds

Manual 8 - 12 seconds

Sensor angle:

Approx. 20°

Film speed:

25 - 1000 ISO

Power source:

4 x AA alkaline (Ni-Cd not suitable)

Number of flashes:

Over 80 per new set battery

Weight:

335gm (without batteries)

Dimensions:

175mm(H) x 79mm(W) x 52mm(D)

Other features:

Auto confirmation

Auto power off

Bounce head 0° - 90°

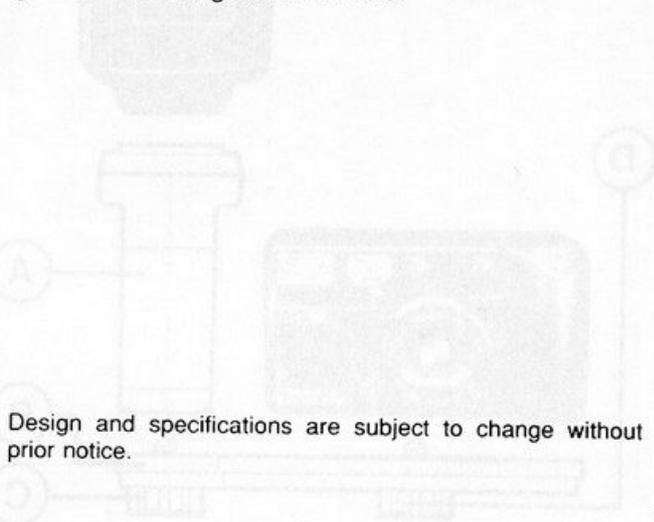
Swivel head 350° total

Accessories:

Wide-angle diffuser supplied with flash

Caution

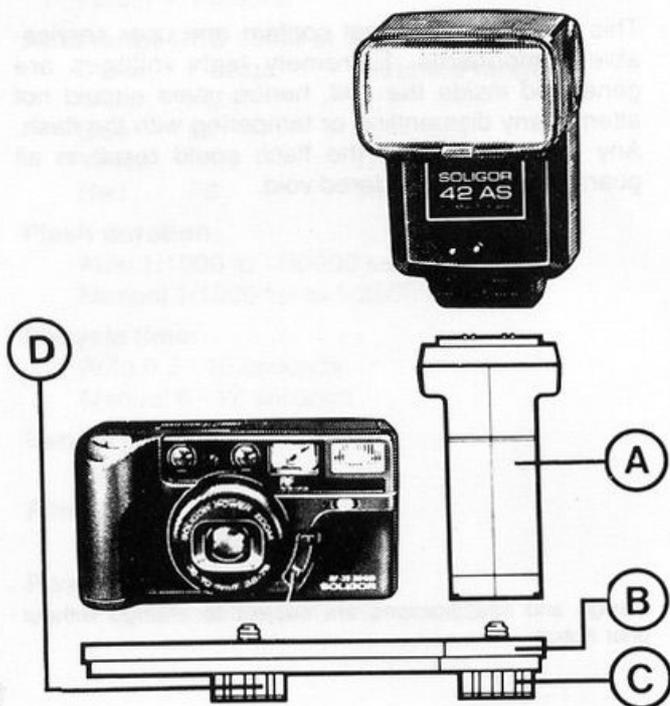
This flash unit does not contain any user serviceable components. Extremely high voltages are generated inside the unit, hence users should not attempt any dismantling or tampering with the flash. Any attempt to open the flash could result in all guarantees being rendered void.



Design and specifications are subject to change without prior notice.

SOLIGOR Flash grip (C)

The SOLIGOR Flash grip (C) is recommended for use with the SOLIGOR 42AS Zoom auto flash with Slave option. This feature allows the synchronized triggering of the flash by a second flash. Combined with the Flash grip (C), the SOLIGOR 42AS is particularly ideal for use with compact cameras featuring a built-in flash. The Flash grip (C) enables comfortable and flexible handling and operation of both the flash and the camera. The greater distance between lens and flash head ensures a plastic illumination in portraits and still-lives. The "red-eye" effect is also greatly minimized. The combined use of the SOLIGOR 42AS with Flash grip (C) affords compact cameras the necessary flash coverage and correct exposure of subjects located at greater distances.



Attaching the Flash grip to the Camera bracket

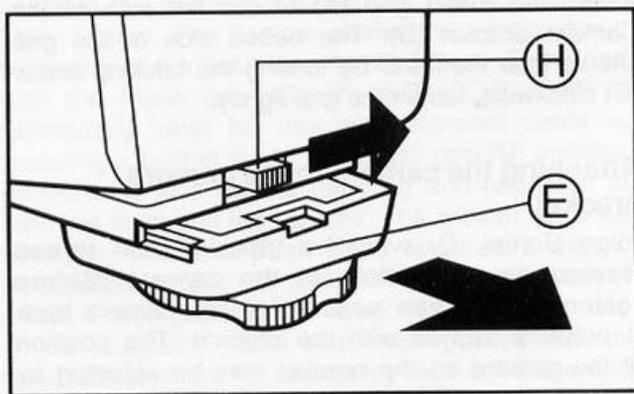
Attach the Flash grip (A) to the left side of the Camera bracket (B). The ribbed side of the grip should face the front. By turning the Locking screw (C) clockwise, fasten the grip tightly.

Attaching the camera to the camera bracket

Align Screw (D) with the tripod mount thread located on the bottom of the camera. Before tightening the screw ensure that the camera back is properly aligned with the bracket. The position of the camera on the bracket may be adjusted by running the screw along the long opening of the bracket. Tighten the screw until the camera is well fastened to the bracket.

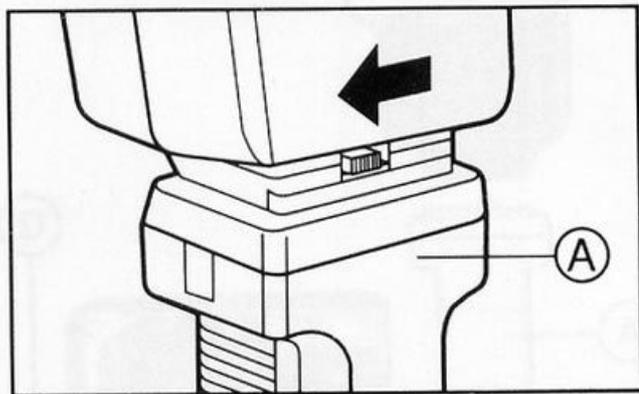


Removing the Flash module from the flash unit



Push the Flash module lock (H) to the right and wull the Flash module (E) away from the back side of the flash. When the flash module is removed the slave feature is automatically operative.

Attaching the flash unit to the grip



Holding the flash so that it faces to the front, push it gently on to the flash mount located at the top of the Grip (A). Lock the flash into position by pushing the Flash module lock (H) to the left.

Spare Batteries Compartment

A compartment for storing spare batteries for the flash unit is located in the grip. By pulling the back of the grip, this compartment is removed. By tilting the compartment, batteries can easily be removed or replaced in the compartment. Push the battery compartment back into place gently.

Using the Flash grip

For best flash results, please consult the operation instructions for the flash unit. The flash, the automatic metering and slave sensors, are slightly tilted so as to be able to meter in the direction of the subject. If another flash position is desired, loosening Screw (C) permits adjustments. The flash sensors must always be directed towards the subject, however. Softer illumination can be achieved by turning and tilting the zoom flash head to bounce light off ceiling, wall, reflectors, etc.