

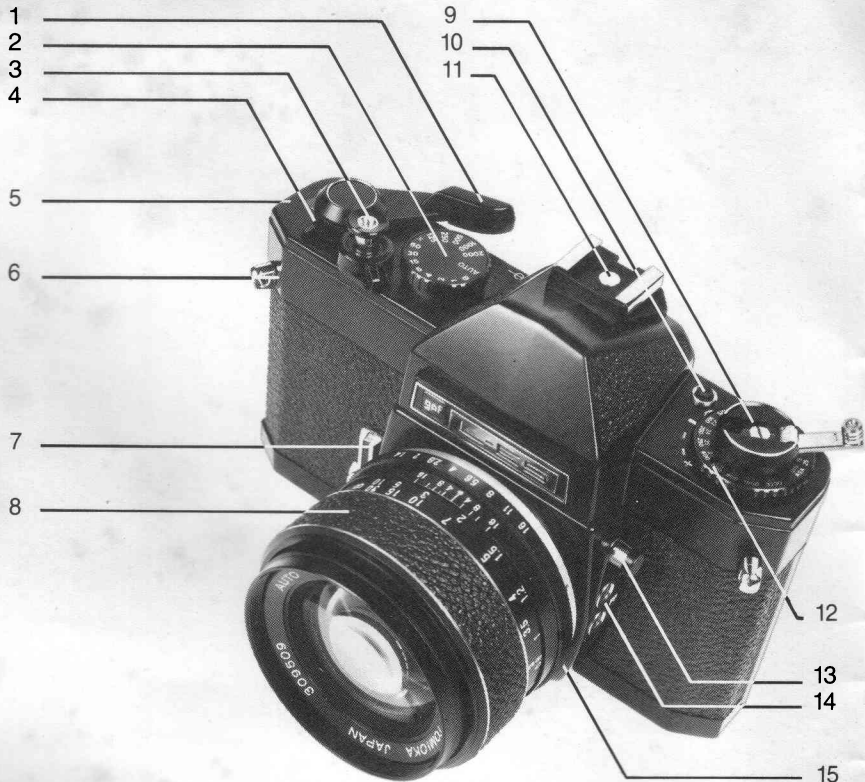


GAF L-ES SINGLE LENS REFLEX CAMERA INSTRUCTIONS



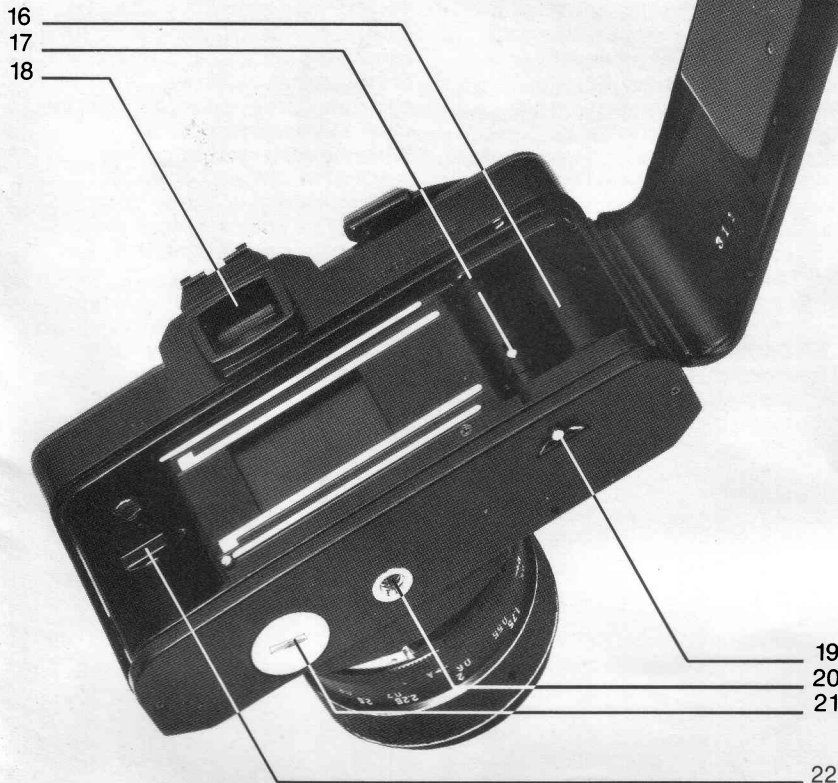
2 FEATURES

1. Film advance lever
2. Shutter speed dial
3. Shutter release
4. Multiple-exposure switch
5. Film frame counter (exposure counter) window
6. Neck strap eyelet
7. Self timer
8. Focusing ring with distance scale
9. Film rewind knob/film compartment latch (with rewind crank unfolded)
10. Battery-test button
11. Accessory (hot) shoe
12. Film speed dial
13. Memory button
14. X- and FP-sync flash sockets
15. F/stop setting ring
16. Take-up spool
17. Sprockets
18. Viewfinder eyepiece
19. Rewind release button
20. Tripod socket
21. Battery compartment cover
22. Film chamber



The following items (not illustrated) are supplied with the camera:

Neck strap with loops for attaching to camera, lens cap, viewfinder eyecup, and viewfinder cover.

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Read entire booklet for detailed information

ATTACHING NECKSTRAP

Remove neckstrap and wire loops from plastic bag. Pry end of wire away from loop and insert separated end into eyelet on camera body. Keep feeding wire into eyelet by turning loop until rounded portion of loop can be freely moved in camera eyelet.

Thread neckstrap into wire loop and secure it by pushing double-headed stud into "buttonholes" in strap. Repeat procedure on other side of camera.

NOTE: Insert wire loop carefully to avoid scratching camera.

LENS CAP

To remove:

Depress protruding tabs simultaneously and pull cap away from lens.

To attach:

Depress protruding tabs, press cap against front opening of lens barrel and release tabs.

VIEWFINDER COVER

The viewfinder cover supplied with the camera serves a double purpose. It keeps the viewfinder eyepiece clean while the camera is not in use. Also, as light entering the viewfinder from the rear can influence the functioning of

the automatic exposure system, the cover serves as a light shield when the exposure is made with a cable release or the self timer (when the photographer's eye does not cover the viewfinder eyepiece).

While the camera is being used, remove the viewfinder cover by pushing it upwards. The cover can be stored in the accessory shoe on top of the camera: it slides in the same way accessories do.

VIEWFINDER EYECUP

The eyecup makes viewing more comfortable and it helps prevent stray light from entering the viewfinder. To attach eyecup, slide it over the frame of the viewfinder eyepiece, from above.

INSTALLING BATTERY

A 6-volt silver oxide battery (Eveready 544) powers the electronic shutter. It is supplied with the camera, either installed, or packed separately in the camera box.

To Insert Battery:

1. Using a coin, unlock battery compartment cover by turning it 1/4 turn counterclockwise (Fig. 1). Remove cover.
2. Place battery in compartment with plus (+) side up (Fig. 2).
3. Replace cover.
Clean battery before inserting, and thereafter at regular intervals. Wipe

both sides with a rough material to remove deposits. Battery may last up to one year, depending on the frequency and conditions of use. Since battery may develop a leak, remove it before camera is stored.

Note: Camera will operate only when battery is installed.

TESTING BATTERY

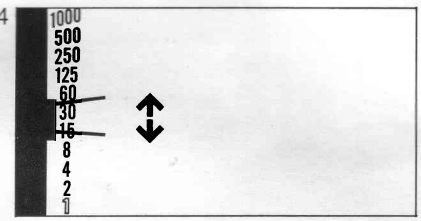
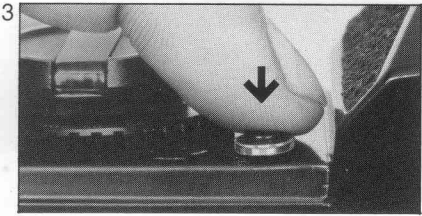
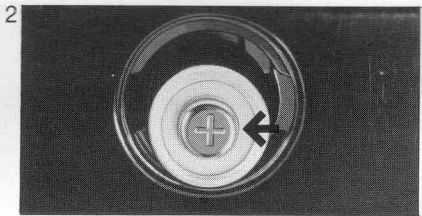
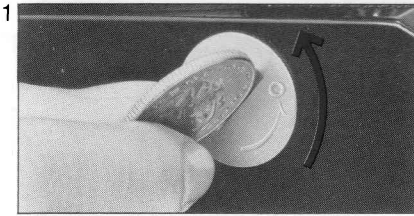
Look into viewfinder and depress battery test button (Fig. 3). If the battery is good, the exposure meter needle will swing up to the black rectangular section adjacent to the 1/15-1/30 second shutter-speed figures (Fig. 4). Replace battery if

needle stops below the indicated area. Test the battery when it is installed, when the camera has not been used for an extended period, or when it is being used continuously for several hours.

Avoid unnecessary battery checking as it consumes some power and may shorten battery life.

Important:

Do not attempt to take pictures when battery is weak as shutter may not open (even though a click is still heard when the release is depressed).



6 **LOADING CAMERA**

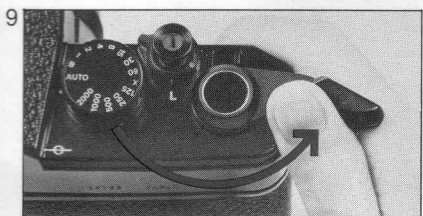
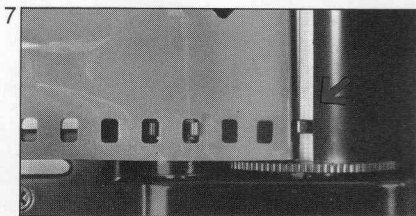
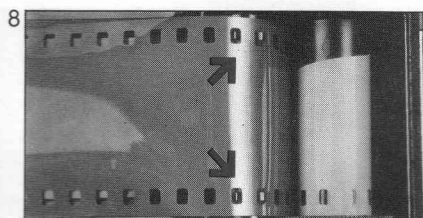
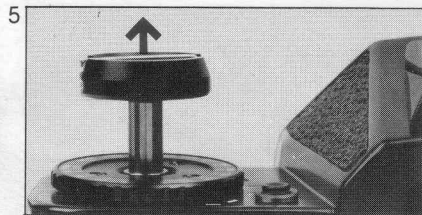
Load camera in subdued light, never in direct sunlight. Use 20- or 36-exposure 35mm film in standard magazine. GAF® films are available for making color slides, color prints, or black-and-white prints.

To load camera*:

- 1.** Pull out film rewind knob (**Fig. 5**) until camera back is released, then swing open camera back.
- 2.** Hold film rewind knob pulled out all the way; insert magazine into film chamber with protruding end towards bottom of camera (**Fig. 6**). Push in film

rewind knob; if it does not go back all the way, turn knob until it does.
3. Insert film into slot in take-up spool (**Fig. 7**). Operate film advance lever until both sprocket wheels engage film perforations (**Fig. 8**) and film is securely wrapped around take-up spool. When film advance lever locks, free it by depressing shutter release. Close camera back firmly.

4. To make sure film has been loaded properly, keep operating film advance lever (**Fig. 9**) until it locks, then turn rewind knob clockwise until a resistance is felt. Do not force it. Keep watching film rewind knob: it should turn counterclockwise every time the film is advanced. Operate film advance until the figure "1" is opposite the pointer in the exposure counter window (**Fig. 10**). Camera is now ready for the first exposure.
If the film rewind knob does not turn while the film advance lever is being operated, the camera was not loaded



*IMPORTANT: Before loading camera, turn shutter speed dial to 125. Operating camera in the manual mode during loading saves power, will prolong battery life. Reset shutter speed dial to "AUTO" before picture taking.

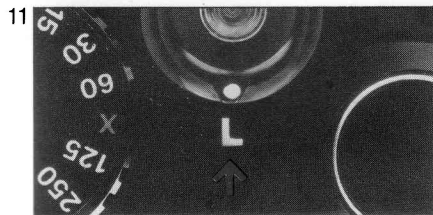
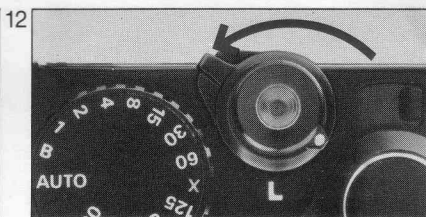
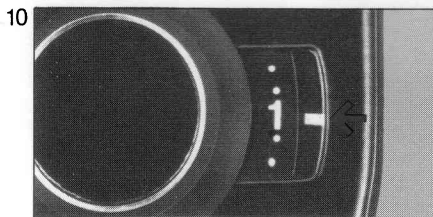
properly. Open camera back, remove film, and load it again carefully.

Note: When the white dot on the collar around the shutter release is opposite the letter "L" (**Fig. 11**), the shutter release is locked. Swing lever to the left to unlock it (**Fig. 12**).

FILM FRAME COUNTER (Exposure Counter)

The number of film frames exposed is indicated by the figure in the film counter window adjacent to the film advance lever (some figures are indicated by dots).

When the camera back is opened, the counter automatically returns to "S" (start).



8 UNLOADING THE CAMERA

Unload camera when (with a 20-exposure roll of film) the red figure "20"* is opposite the index line in the film counter window.

Unload a 36-exposure roll of film when the red figure "36"* is opposite the index line.

Do not open camera back until the first three steps of the unloading procedure have been completed.

To unload camera:

1. Unfold rewind crank.
2. Depress rewind button on camera bottom all the way.

3. Turn rewind crank clockwise. A tension is felt as the film is being rewound into the magazine. Stop turning the rewind crank when the tension is relieved, indicating that all the film has been returned to the magazine.

4. Open camera back by pulling out rewind knob all the way.

5. Lift out film magazine.
Have film processed without delay.

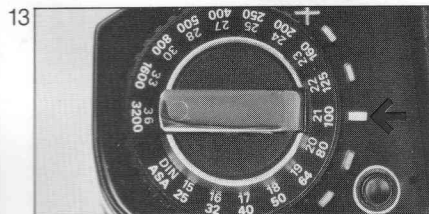
*After the 20th or 36th picture one or more frames may still be available. These frames may be utilized by operating the film advance lever after the red figure 20 or 36 has been lined up with the index line in the exposure counter. Pictures may then be taken until a resistance during the operation of the film advance lever indicates that the end of the film has been reached. **Do not force film advance lever beyond that point.**

While this procedure provides one or more additional exposures per roll, it is not recommended as the film may become separated from the spool. The separated film cannot be rewound, its removal from the camera requires a darkroom operation.

FILM SPEED SETTING

The ASA speed is specified on the film box or in the instruction sheet packed with the film.

To adjust exposure system of camera to speed of film, turn film speed ring around film rewind knob until silver figure* corresponding to ASA speed of film is opposite the white index mark. In **Fig. 13**, for example, the camera is set for use with an ASA 100 speed film.



*The colored figures on the film speed ring are used with films rated according to the European DIN film speed system.

SHUTTER SPEED SETTING

Camera is equipped with an electronic shutter that permits fully automatic or manual operation.

For automatic operation, align "AUTO" on the shutter speed dial with the index mark of the camera body* (**Fig. 14**).

For manual operation, turn shutter speed dial until the desired shutter speed value is aligned with the index mark. In **Fig. 15**, for example, the shutter is set at a speed of 1/125 second.

Reset shutter speed dial at "AUTO" when the manual shutter speed setting is no longer desired.

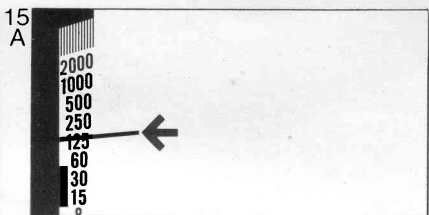
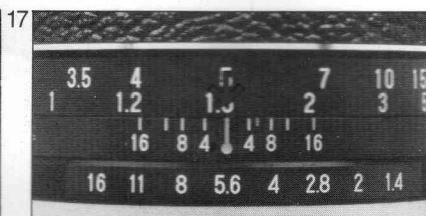
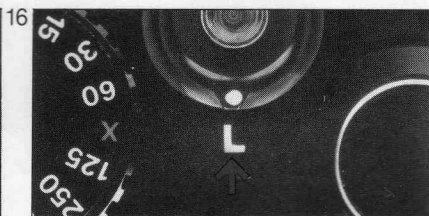
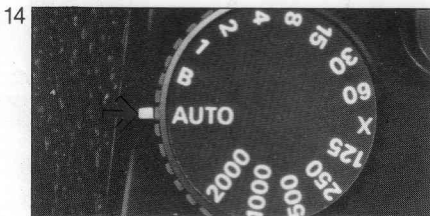
TIME EXPOSURES

At the "B" (bulb) setting the shutter will remain open as long as the shutter release is held depressed. The "B" setting may also be used for making time (T) exposures. Set dial at "B" and, without moving camera, depress shutter release all the way and lock it by turning tab on collar around shutter release to the right (align white dot on collar with "L" on camera body, as shown in **Fig. 16**). Shutter will now stay open until release is unlocked by returning tab to its original position. As an alternative, a locking cable release may be used for making time exposures.

LENS OPENING

Turn the f/stop setting ring until the figure representing the desired lens opening is aligned with red ↓ mark on the lens barrel. In **Fig. 17**, for example, the lens opening is set at f/5.6.

*IMPORTANT: As the needle in the viewfinder operates even when the shutter speed is adjusted manually, make sure that the shutter speed dial is set at "AUTO" whenever automatic operation is desired.



10 **AUTOMATIC/MANUAL SWITCH**

The switch on the underside of the lens barrel is used to set the lens opening for automatic or manual operation. For automatic operation, slide the switch toward the letter "A" on the lens barrel (**Fig. 18**). The lens is now wide open to provide a bright viewfinder image. As the shutter release is depressed, the lens automatically closes down to the opening indicated on the f/stop ring by the red ↓ mark. For manual operation of the lens opening, slide switch all the way towards the letter "M" on the lens barrel (**Fig. 19**). The lens opening

is now controlled by turning the f/stop ring: it is always set at the f/stop indicated by the figure under the red ↓ mark.

FOCUSING

Set Automatic/Manual switch at the "Automatic (→A)" position. Observe subject through viewfinder. Turn focusing ring first in one direction, then in the opposite direction, until image is sharpest. The brighter microprism area in the center is provided to facilitate focusing.

The distance scale may also be used for focusing. Estimate or measure the

camera-to-subject distance in feet or meters, then turn the focusing ring to align the figure representing that distance with the red ↓ mark.

In **Fig. 20**, for example, the lens is focused for subjects at a distance of 5 feet from the camera.

Note: When using infrared film, first focus lens on subject, then align the figure on the distance scale adjacent to the red ↓ mark with the short red line at the right of the ↓ mark.

