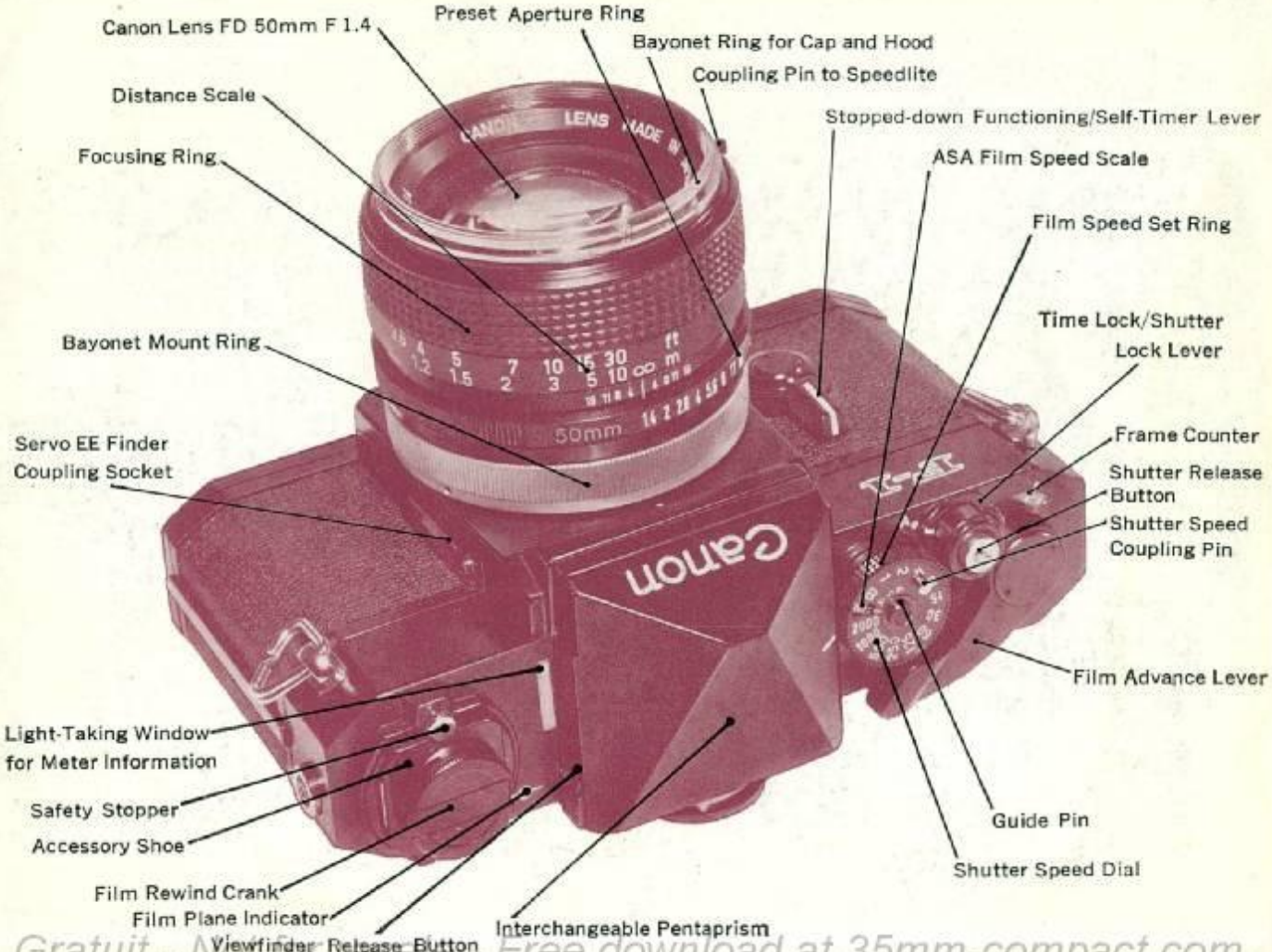
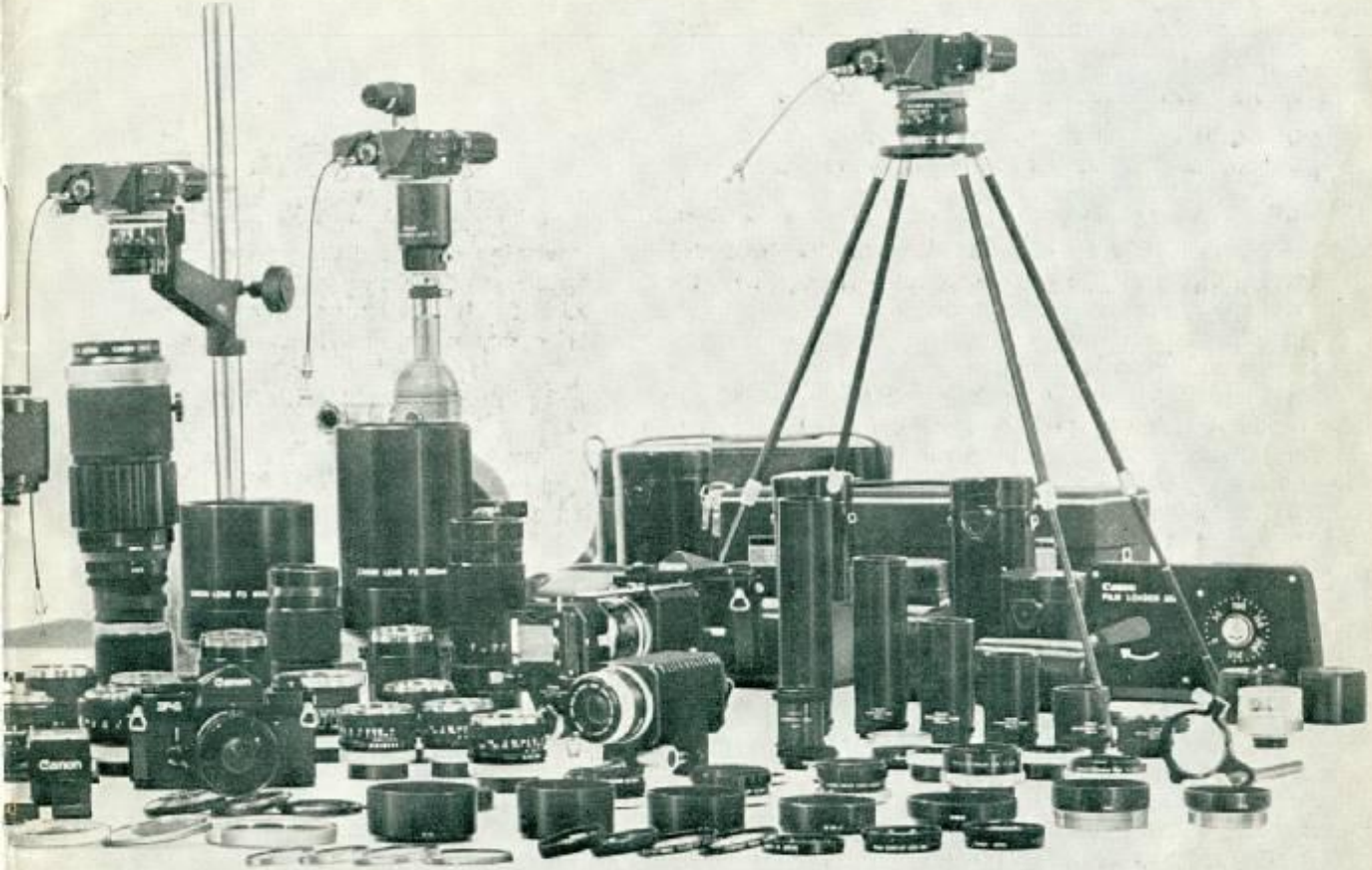
We are highly gratified that you have selected the Canon F-1—a wise choice that promises you many delightful years of photographic experiences. Canon is recognized the world over as the foremost pioneer in the development of photographic equipment of the highest quality and performance. Whether your new F-1 is for the home, laboratory, or for traveling, make the most of your opportunities!

Before Using . . .

Please read this instruction booklet carefully, and master the manipulations of the various parts of the F-1 completely. Once thoroughly versed in the correct handling of this camera, you can use the Canon F-1 to the fullest extent of its capabilities.



Canon F-1 System



Technical Data

- Type: 35mm single-lens reflex camera with focal plane shutter. Picture size; 24 x 36mm.
- Interchangeable Lenses: Canon FD series lenses with aperture signal lever.
- Standard Lens: Canon FD 55mm F 1.2, FD 50mm F 1.4, FD 50mm F 1.8.
- Viewfinder: Removable pentagonal prism finder. Interchangeable with Servo EE Finder, Booster T Finder, Speed Finder, Waist-Level Finder.
- Finder Attachments: Angle Finder B, Magnifier, Dioptric Adjustment Lenses, Eyecup.
- Focusing Screen: Using Fresnel lens, standard focusing glass with microprism screen rangefinder and three other interchangeable kinds. With metering beam-splitting condenser.
- Field-of-View: 97% of actual picture area. 0.77x with standard 50mm lens at infinity.
- Finder Information: Meter needle and aperture needle, outside shutter speed coupling range indicator, fixed dot for stopped-down metering use and battery check mark, shutter speed scale, metering limit marks.
- Dioptric Adjustment Lenses: Standard −1.2 diopter (R−1). Interchangeable with R+3, R+2, R+1, R 0, R−2, R−3, and R−4.
- Mirror: Quick return mirror with shock-absorbing mechanism. Mirror can be fixed in upper position. Aperture is manually operated when mirror is fixed in upper position.
- Lens Mount: Bayonet type FD mount. FL and R series of lenses mountable.
- Function: FD lenses; Full aperture metering, coupled with automatic diaphragm. FL lenses; Stopped-down metering, coupled with automatic diaphragm. R lenses; Stopped-down metering, manually operated diaphragm.
- Shutter: Focal plane shutter using super thin titanium screen. Designed for elimination of functioning noise. Shutter release button can be locked.
- Shutter Speed Dial: Single shaft non-revolving type with shutter scales and ASA film speed scales. Two coupling pins for setting attachments are provided.
- Shutter Speeds: B, 1-1/2000. Multiple series. Equiinterval index. X contact at "60".
- Film Speed Scale: ASA 25-2000.
- Self-Timer: Built in. Activate with shutter release button. Approx. 10 sec. time lag. Self-timer lever is used in common as stopped-down functioning lever.
- Exposure Adjusting Mechanism: Built in. Using CdS photocell. Coupled to shutter speeds, film speeds and f/stop. Match needle type TTL full aperture measuring mechanism. Semi-

spot metering system, measures 12% of picture area. Stopped-down metering possible. Fixed dot type metering using stopped-down functioning lever. Locking of the lever possible.

- Exposure Meter Coupling Range: With ASA 100 film, EV 2.5 (f/1.2 at 1/4 sec.)–EV 18 (f/11 at 1/2000 sec.). Meter information window turns red when outside of coupling range.
- Meter Battery: One 1.3 v M20 (≒625) mercury battery used.
- Battery Checker: Built in. Check at ASA 100, shutter speed at 1/2000 sec.
- TTL Full Aperture Metering System EE: Uses exclusive Servo EE Finder and Battery Case in combination. Full aperture metering with FD lens. Shutter priority type EE. Functioning range; with ASA 100 film, EV 2.5 (f/1.2 at 1/4 sec.)–EV 18 (f/11 at 1/2000 sec.).
- Ultra-low Illumination Metering: Metering possible, with ASA 100 film, between EV 15 (f/22 at 1/60 sec.) and EV −3.5 (f/1.2 at 15 sec.) with use of exclusive Booster T Finder.
- Synchronized Flash: FP and X contact. Automatic time lag adjusting type.
- Flash Socket: On side body. Two contacts on film rewind knob for flash circuit for directly connected adapter, and meter circuit.
- Canon Auto Tuning (CAT) System: Diaphragm control by recharge completion signal and focusing distance signal. Proper aperture is established by the meter matching needle system through the connection of the Speedlite 133D, Flash Auto Ring, Flash Coupler L and prescribed FD 50mm F 1.4, FD 50mm F 1.8, or FD 35mm F 2 lens.
- Synchronizing Range: FP class; 1/2000–1/125 sec. and 1/30 sec. or under. Speedlite; 1/60 sec. or under. M, MF class; 1/30 sec. or under.
- Film Loading: With multislit film spool.
- Film Winding: Short-stroke winding possible. Single operation 180° winding lever. Play; 15°.
- Film Rewinding: Performed by rewind button and crank.
- Double Exposure: Possible by operating film rewind button.
- Back Cover: Crank pull-up type. Removable for Film Chamber 250.
- Bottom Cover: Motor Drive Unit can be attached after removing bottom cover.
- Frame Counter: Self-resetting type activated by opening back cover.
- Accessory Shoe: Exclusive. Flash Couplers D, L, and other couplers can be attached.
- Size: 98.7 x 146.7 x 43mm (3⅞" x 5¾" x 1¹¹⁄₁₆").
- Weight: Body; 820 g (1.80 lbs.). With FD 50mm F 1.4 Lens; 1,180 g (2.60 lbs.).

Subject to alterations.

■Canon Booster T Finder with electronic timer for insufficient light photography
■Canon Servo EE Finder for shutter priority EE photography
■Canon Motor Drive Unit for timer photography and high speed photography
■Canon Film Chamber 250 for shooting 250 frames

Unmanned photography is possible in combination of these accessories.

*For details, please refer to pages 49-52.

Contents

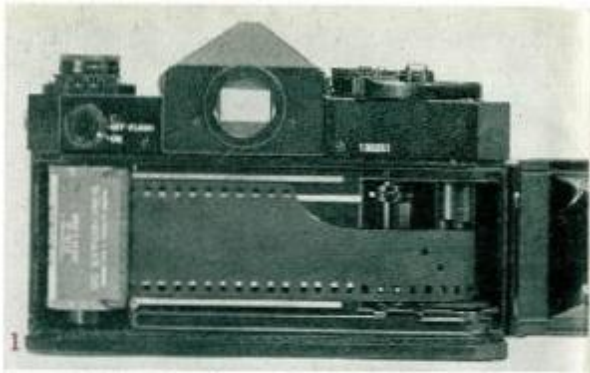
Follow these simple steps for normal photography:

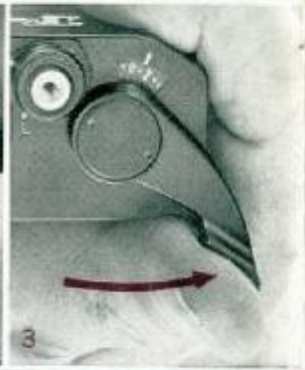
1 Load the film. (See pages 31-32.)

2 Set the ASA film speed. (See page 21.)

3 Wind the film advance lever. (See page 14.)

4 Remove the lens cap.





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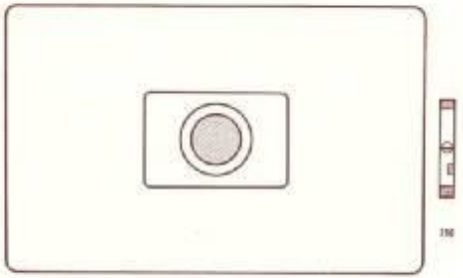
5 Look through the viewfinder and focus. (See page 26.)

6 Compose the picture.



7 Determine the exposure with built-in meter. (See pages 22–24.)

8 Press the shutter release button gently.

Mercury Battery Loading and Checking

The built-in exposure meter of the Canon F-1 functions only when the mercury battery is properly loaded.

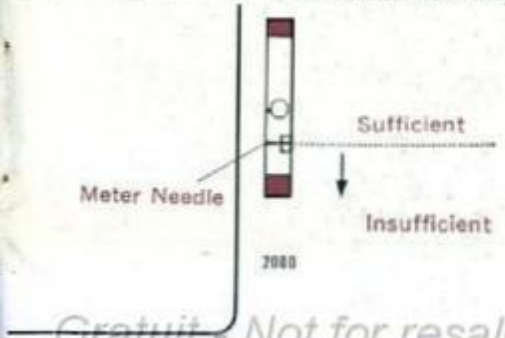
1. Insert a coin into the groove of the battery compartment cover and turn it to the left to remove.
2. Face the central contact of the mercury battery inwards and insert.
3. Replace the cover by turning it to the right.

■ Before inserting, wipe off fingerprints or stains on battery poles with a dry cloth. Unclean poles may cause corrosion and damage the contact points of the camera.

■ A 1.3 v M20 (♯625) mercury battery should be used—equivalent to Mallory PX-625, Eveready EPX625.

■ Be sure to insert the battery in the correct direction referring to the diagram on the compartment cover. Otherwise, the meter will not function properly and the cover cannot be screwed in.

■ When the camera is not used for a long period, remove the mercury battery and keep it in a dry place.



Battery Check

Check the mercury battery after loading it. Especially when loading a new battery, be sure to check the power level.

1 Set the film speed scale at ASA 100 and the shutter speed dial at "2000". To set the film speed, lift up the outer ring of the shutter speed dial and turn. See page 21.

■ A correct check cannot be made if other settings are used.

2 Turn the meter switch, situated to the back side of the camera near the film rewind crank, to the "C" index mark.

3 If the meter needle inside the viewfinder swings to the meter index, the battery has sufficient power. If the needle stays below the meter index, voltage is insufficient and the battery must be replaced.

■ Life of the battery in normal use is approximately one year.

4 When using the camera, be sure to turn the meter switch to "ON".

Film Winding

The film advance lever winds the film, cocks the shutter, and prepares the aperture and mirror for the next shutter release all in one motion.

1 Turn the film advance lever until it stops. The film will be advanced one frame and the shutter cocked. The frame counter is simultaneously advanced to the next number.

2 When the shutter release button is pressed, the mirror flips up, the diaphragm simultaneously closes down to the pre-set f/stop and the shutter operates. After the shutter is operated, the advance lever can be wound for the next frame.

- Be sure that the shutter lock lever is set at "A".
- Winding may be done by moving the lever with several short strokes.
- After loading the film, make another wind, since the first winding may not be complete.
- The shutter will not function when pressing the shutter release button unless the winding is completed. In such a case, check the winding once more.