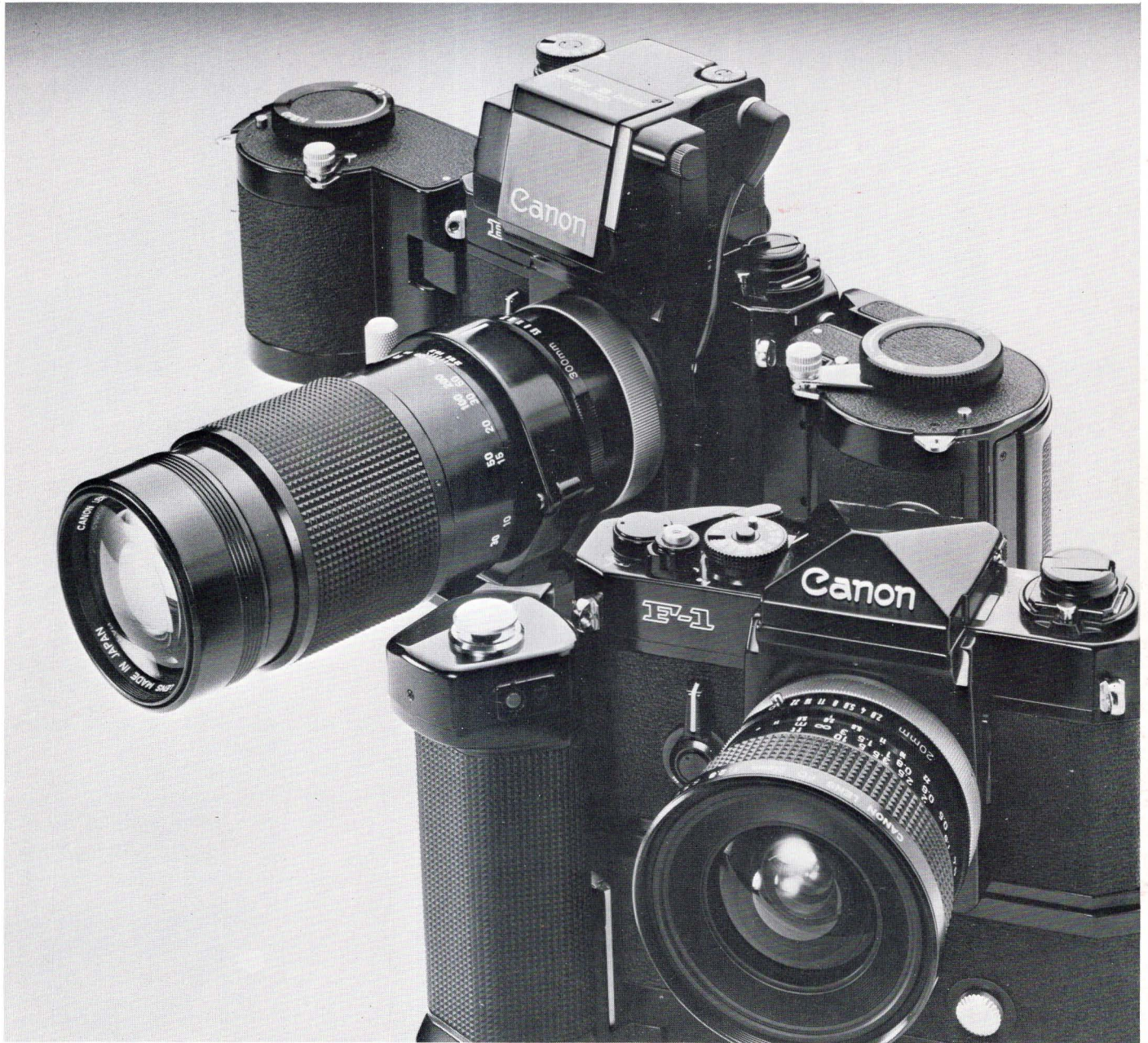


Canon

F-1 SYSTEM, SLR & "A" SERIES ACCESSORIES



This section contains the entire line of accessories for all Canon SLR cameras. Items such as lenses will be found in Section II.

Every Canon accessory is made with the same care and precision as every Canon camera. This is especially true of the F-1 system accessories, because the philosophy behind the design of the F-1 system was that it be conceived as a complete unit, with no "add-on" afterthoughts and the resulting poor performance that can stem from poor planning.

The scope of Canon's line of SLR accessories covers just about every photographic application, from motorized, unmanned photography with the F-1 to photography through the microscope, using any Canon SLR. Whether your customer is just getting started in SLR photography, or is an established pro who must stake his reputation on his equipment, there is a Canon accessory that will

help him get the job done easily, precisely and efficiently.

In order to designate which accessories may be used with specific Canon SLR's

The following code is used to identify the Canon SLR(s) that may be used with each accessory, and may be found on every page of this section:

- : Canon F-1
- ★ : Canon AE-1 & AT-1
- : Canon EF
- : Canon FTb
- : Canon TLb/TX
- ▲ : Canon EX Auto
- △ : All SLRs except EX Auto

No Mark: All SLRs

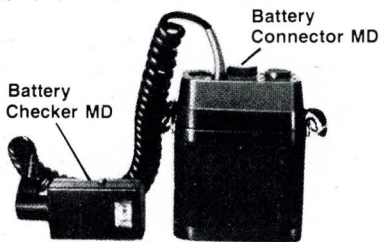
EQUIPMENT FOR MOTORIZED PHOTOGRAPHY



●5-19141-21 Motor Drive MD Set

Includes Motor Drive Unit, Battery Case, Two Battery Magazines, Battery Connector MD, Battery Checker MD, Remote Switch MD, Extension Cord MD10.

The Motor Drive MD provides powered film winding, shutter cocking and release when used with the F-1 camera. No adaptation is required to fit this unit onto the F-1 body. Photography is possible using the MD at rates of from single frame to 3 fps. It contains an intervalometer which can be programmed to shoot at rates ranging from 3 fps to 1 frame per minute. Used with the accessory Film Chamber 250 (for 250 exp. of film) it can photograph at a rate of one frame per minute for up to four hours. When combined with the Servo EE (auto exposure) Finder, unmanned and remote control photography are possible.



●5-19191-01 Battery Case Battery Case (with 2 pcs. of Battery Magazine 15V) for MD

This battery case contains the external power source for the Motor Drive MD unit. This is the same battery case used for the Servo EE Finder. Two 15-volt Battery Magazines are provided so that the user may reload instantly in the field.

●5-19211-00 Battery Connector MD

This accessory is mounted on top of the Battery Case, and connects it with the Motor Drive MD. It is included in the Motor Drive MD Set, and is here available as a replacement/spare.

●5-19261-00 Battery Checker MD

This Motor Drive MD accessory is for checking the power level of the batteries. It is standard equipment with the Motor Drive MD Set, and available as a spare/replacement.



●5-19251-01 Battery Case D (cordless direct contact) w/15V magazine for MD

Should the photographer wish to use the Motor Drive MD without a power cord, the Battery Case D clips directly to the bottom of the unit, resulting in an integral motor/power source.

●X62-7906 Battery Magazine 15V

This 15-volt Battery Magazine is available as an extra or spare for the Motor Drive MD, or as an alternative magazine for use when the Servo EE Finder is used with the Motor Drive MD.



●5-19171-00 Remote Switch MD

Remote Switch MD is included in the Motor Drive MD Set, and also available as a replacement/spare. It is 5m long, and offers the same basic switching functions (running, but not timing) as the Motor Drive MD. It has a locking device, and a lamp which verifies Motor Drive operation. It may also be used in combination with Extension Cord MD 10.

●5-81041-00 Extension Cord MD 10

This cord serves to extend user-to-camera distance when used with the Motor Drive MD and Remote Switch MD. In cold weather, its effectiveness diminishes.



●5-19281-21 Motor Drive MF Set (includes grip MF)

●5-85391-00 Grip MF

The Motor Drive MF is a handy, portable, highly mobile motor unit designed with special emphasis on compactness. It is capable of photography at a rate of either single frame or 3.5 fps. Like the Motor Drive MD, it is capable of unmanned or remote control photography when used with such accessories as the Servo EE Finder and the Film Chamber 250. When used with the accessory Interval Timer L, sequential photography can be done at intervals ranging from one shot every half second to one every three minutes. Using the Interval Timer, unmanned photography can be performed for a period of one hour 48 minutes with a 36-exposure roll of film.



●5-81101-00 Cord MF for Grip MF

This connecting cord serves to allow the user to remove the grip/power source from the Motor Drive MF when the Film Chamber 250 is used, when additional flexibility of movement is desired, or when the power source must be kept warm (inside a coat pocket, for instance) in cold climates.

EQUIPMENT FOR MOTORIZED PHOTOGRAPHY



●5-81081-00 Connecting Cord MF for Servo EE Finder

This short connecting cord is used with the Servo EE Finder when it is operated in conjunction with the Motor Drive MF. It enables the Servo EE to utilize the same power source as the Motor Drive MF.



●5-81071-00 Extension Cord E1000

The Extension Cord E1000 is 10 m long and contains a socket for the Remote Switch 60 MF and the Interval Timer L. It is excellent for concealed photography or for added mobility in a studio. (Not for use with MD.)



●5-19172-00 Remote Switch 60MF

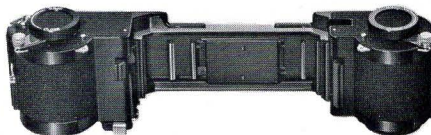
The 60cm-long Remote Switch 60MF is connected either into the Interval Timer L's socket on the MF, or onto the socket on the Extension Cord E1000. Pressing the switch releases the shutter, and locking it locks the shutter. An LED (Light Emitting Diode) blinks to verify proper operation of the Motor Drive MF during use.



●5-64041-00 Interval Timer L

This unit permits interval shooting used with Motor Drive MF at intervals of from one frame every 1/2 second to one frame every 3 minutes. With a standard 36-exposure roll of film, interval photography is possible for 1 hour and 48 minutes, when the interval is 3 minutes.

Power for this unit is derived from the power source of the Motor Drive MF. The Interval Timer L can either be inserted directly into the Motor Drive MF, or into the Extension Cord E1000.



●5-19151-21 Film Chamber 250 Set Consists of Film Chamber 250 and 2 Film Magazines 250.

For long-term interval photography, motorized sports photography, experimental work, copying large numbers of documents or extended surveillance, the Film Chamber 250 is a perfect accessory. It may be used with the MD or MF Motor Drive units for photography of up to 250 exposures without reloading. It requires no adaptation or unusual installation for a perfect fit with the F-1. May be used manually by winding film advance lever and taking up slack with knob.



●5-19201-00 Film Magazine 250

●5-19181-00 Film Loader 250

These accessories for the Film Chamber 250 come with the unit, but are also available as extras and/or replacements. It is recommended that the sports photographer, for instance, equip himself with more than one Film Magazine, for fast reloading on location.

The Film Loader 250 automatically stops loading a long roll of film into the Film Magazine 250 after the pre-set number of frames desired has been reached.



●1-207T1-21 High Speed Motor Drive Camera

The High Speed Motor Drive Camera is a specially-integrated F-1 body and motor designed for motorized photography at rates of from 4-9fps at speeds from 1/60-1/1,000 sec. It incorporates a fixed, semi-transparent mirror so that viewing and focusing are continuous during exposure. Power is supplied by 20 penlight (AA) batteries for shooting up to 30, 36-exposure rolls of film at normal temperature.

TECHNICAL DATA

Type: 35mm single lens reflex camera with focal plane shutter.

Picture size: 24mm x 36mm.

Interchangeable lenses: Canon FD and FL lenses.

Viewfinder: Removable pentaprism viewfinder.

Focusing screen: Using Fresnel lens, focusing glass with split-image range-finder. Without beam splitting mirror in the condenser lens.

Finder attachments: Angle Finder B, Magnifier R, Dioptic Adjustment Lenses, Eyecup.

Field of view: 97% of actual picture area or more.

Diopter: -1.2, with standard ring.

Mirror: Fixed pellicle mirror.

Shutter: Focal plane shutter with super-thin-titanium curtains.

Shutter speed: 1/60, 1/125, 1/250, 1/500, 1/1000 sec.

Shutter release: By means of the shutter release button on the camera body. Cable release can be attached.

Diaphragm adjustment: Manually set by locking stopped-down lever.

Film driving: Power driven by means of a direct current motor with voltage stabilizing circuit.

Power source: 20 penlight (Size AA) batteries in battery case, connected with cord.

Shooting capability: More than 30 rolls of 36-exposure film at normal temperature.

Frames per second and shutter speed:

4 fps;	1/60-1/1000 sec.
4-7 fps;	1/125-1/1000 sec.
7-9 fps;	1/1000 sec.

Film loading: With multi-slit film spool. By opening back cover.

Frame counter: Set in Motor Drive, automatically stops at 0. Manually reset count down type.

Dimension:

146.7mm x 136.8mm x 43mm.
(5 3/4" x 5 3/8" x 1 13/16").

Weight: 1,100 grs. (2 lb. 3 oz.) body only.

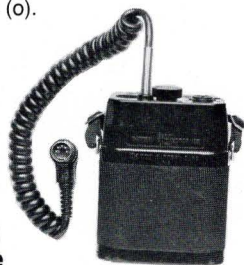
●: Canon F-1 ○: Canon EF □: Canon TLb/TX △: All SLRs except EX Auto
 ★: Canon AE-1 & AT-1 ■: Canon FTb ▲: Canon EX Auto No Mark: All SLRs

VIEWFINDERS & VIEWFINDER ACCESSORIES



●5-60101-21 Servo EE Finder Set Includes power cord 12V2E

Used in conjunction with the F-1 and FD lenses, this Finder permits fully automatic, shutter-preferred exposure selection by means of a built-in servo motor. In operation, the user selects shutter speed, and the Servo EE Finder picks the proper aperture when the lens' aperture ring has been set at the "A" mark. When used with the Motor Drive units, completely automatic, unmanned photography is possible with the F-1 equipped with the Servo EE Finder. Note: On some FD lenses, "A" mark is represented by a green circle (o).



●5-19191-02 Battery Case With 1 battery magazine 12V

When used without a Motor Drive unit, this case/battery magazine combination is used to supply power for the Servo EE Finder. Note that when used in conjunction with the Motor Drive MD, the Battery Magazine 15V (x62-7906) should be used with the Battery Case. When used with the Motor Drive MF, the Servo EE Finder shares its power supply. This is the same Battery Case used for the Motor Drive MD.

●38-0250 Battery Magazine 12V Used as replacement or spare for Battery Case.

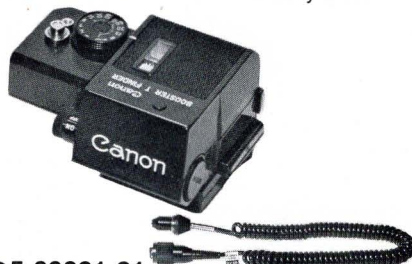
●5-81081-00 Connecting Cord MF for Servo EE Finder

This short connecting cord is used with the Servo EE Finder when it is operated in conjunction with the Motor Drive MF. It enables the Servo EE to utilize the same power source as the Motor Drive MF.



●48-0097 Power Cord 12V2E for Servo EE Finder

Included as original equipment with the Servo EE Finder, it is available here as a spare or replacement. It is used to connect the Servo EE Finder to the Battery Case.



●5-60091-21 Booster T Finder Set Includes 6-volt silver oxide battery

The Booster T Finder permits metering with the F-1 down to the level of EV -3.5 or 15 sec. at f/1.2 with ASA 100 film. It contains a built-in electronic timer to measure long exposures, and a light that blinks at 1 second intervals during exposures of from 3 to 60 seconds. An eyepiece shutter is provided so that light entering through the eyepiece will not cause inaccurate exposure metering. For full-range metering (the Booster meters from EV10 to EV -3.5; the F-1 meters from EV3 to EV15) the metering system of the F-1 can be used in bright light, as it is used normally. Two auxiliary lamps are included in the design of the Booster T Finder. One illuminates metering information for the Booster T when it is in use, the other illuminates the standard metering function when the F-1's built-in meter is used.

●48-0098 Power Cord 6-volt 2B

When used in cold climates, the Booster T Finder may be powered by a 12-volt battery source. This power cord is provided so that the Battery Case and Battery Magazine 12V may be used with the Booster T Finder. This case may be kept warm inside a coat pocket while the camera and Finder are functioning normally.



●5-40801-00 Speed Finder in case

The Speed Finder is an F-1 accessory that permits full-frame viewing and focusing with the eye held up to 3" from the eyepiece. It is ideal for any photography where face protection is worn and the eye cannot be placed near the finder. It allows FULL metering functions to be maintained, and rotates for overhead eye- or chest-level viewing. It is excellent for copying or close up photography.



●5-40902-00 Waist-Level Finder

The Waist-Level Finder permits right-side-up, reversed (left-to-right) viewing and focusing. It folds compactly, and contains a pop-up magnifier for 5x viewing where critical focusing is necessary. Like the Speed Finder, it is ideal for copying or close up work. Metering functions are not maintained.

5-40712-00

Angle Finder A-2

The Angle Finder A-2 is intended for low-level or copying work. It rotates for vertical or horizontal use. It presents images which are reversed, and allows full use of the F-1's metering functions. Has built-in dioptic adjustment.



5-40711-00

Angle Finder B

This Angle Finder presents an image which is correctly oriented up and down and left-to-right. Like the Angle Finder A-2, it contains a built-in dioptic adjustment, rotates for horizontal or vertical use, fits all F-1 viewfinders (except Waist-Level and Speed Finders) and preserves F-1 metering functions.



5-40701-21

Magnifier R

5-41051-00

Magnifier Adapter R

This magnifier enlarges the center of the F-1's field of view 2.5x for critical focusing in macrophotography or photomicrography or any precise application. It is provided with Magnifier Adapter R for use with the F-1. The same magnifier, used with Adapter S is for use with the EF, FTb, TX and TLb SLR's. If the photographer already owns the Magnifier R and wishes to use it with one of the other Canon SLR's with rectangular eyepiece, he need buy ONLY the Magnifier Adapter S (see below). Likewise, the Magnifier Adapter R is available separately to adapt the Magnifiers to the F-1 camera. It has a built-in dioptic adjustment. A clip on adapter is provided for using the Magnifier R with the Booster T and/or Servo EE Finders.



★○■□5-40701-22

Magnifier S

★○■□5-41041-00

Magnifier Adapter S

The Magnifier S (with Magnifier S Adapter) is for use with the EF, FTb, TX and TLb Canon SLR cameras. It offers 2.5x magnification of the center of the finder for critical focusing. It can be swung out of the field of view for a look at the entire image area, and has a built-in dioptic adjustment. (May be used with the F-1 by adding Magnifier Adapter R).



5-19249-00

Focusing Screen A (Microprism)

This is the standard screen supplied for use with the F-1. It has a central microprism suitable for a wide range of focal lengths and apertures, in a full-area matte/fresnel field which can be used for focusing with any lens.

5-19241-00

Focusing Screen B (Split Image)

This screen is a standard screen (general purpose) for photographers who prefer a split-image type of focusing system. It offers speed and accuracy with lenses of wide to moderately wide maximum apertures. Focusing is accomplished anywhere over the surface of the matte/fresnel field.

5-19242-00

Focusing Screen C (Matte Surface)

The Focusing Screen C offers full-matte viewing and focusing. It is suitable for general-use photography, as well as for critical focusing — the central area is a particularly fine matte field. Recommended for use with long telephotos and super-telephotos.

5-19243-00

Focusing Screen D (Matte Surface with Grid)

This screen is identical to Focusing Screen C except that a grid of vertical and horizontal lines has been added for accurate subject placement/alignment in the viewfinder.

5-19244-00

Focusing Screen E (Split Image/Microprism)

A general-purpose screen, the Focusing Screen E combines two of the most favored types of focusing aids, the split image and the microprism in a matte/fresnel field.

5-19245-00

Focusing Screen F (Microprism/Large Aperture Lenses)

The angles of the microprism in this screen have been calibrated specifically for use with lenses of f/2.8 or faster maximum aperture. With these lenses, this can be considered a "general-purpose" screen. Focusing with any lens is possible using the matte/fresnel field. It offers extremely bright, accurate focusing with fast and moderately fast lenses.

5-19246-00

Focusing Screen G (Microprism/Small Aperture Lenses)

Focusing Screen G is ideal for lenses with apertures ranging from f/3.5 through f/5.6, offering fast focusing, high accuracy and a minimum of eyestrain. Focusing may be performed on any portion of the screen.

5-19247-00

Focusing Screen H (Matte/Scale)

Focusing Screen H offers full matte/fresnel viewing and focusing with a central 6mm fine-matte focusing section. It has horizontal

and vertical scales (in mm) which cross at the center of the screen. It is ideal for scientific or close-up work, and can be used for general photography (such as photography with telephotos) when necessary.

5-19301-00

Focusing Screen I (Double Cross-Hair Reticle)

This screen is recommended for photography at extremely high magnifications. Precise focusing is done by moving the eye side to side until the reticle remains stationary on the subject. Gross focus is first obtained with the matte/fresnel field.



5-05061-00

Dioptic Adjustment Lens R (+3)

5-05062-00

Dioptic Adjustment Lens R (+2)

5-05068-00

Dioptic Adjustment Lens R (+1.5)

5-05063-00

Dioptic Adjustment Lens R (+1)

5-05069-00

Dioptic Adjustment Lens R (+0.5)

5-05064-00

Dioptic Adjustment Lens R (0)

5-05071-00

Dioptic Adjustment Lens R (−0.5)

5-05065-00

Dioptic Adjustment Lens R (−2)

5-05066-00

Dioptic Adjustment Lens R (−3)

5-05067-00

Dioptic Adjustment Lens R (−4)

These lenses are furnished for the eyepiece attachment rings of the F-1 and its finders, except for the Speed Finder and Waist-Level Finder. Angle Finders include built-in dioptic adjustments, as does the Magnifier. They permit eyeglass wearers to install their prescription directly onto the camera, in order to facilitate viewing and focusing and to eliminate the necessity of shooting with eyeglasses in place.

Note: Plus (+) diopters are for nearsightedness, minus (−) diopters are for farsightedness.



★○■□5-05072-00

Dioptic Adjustment Lens S (+3)

★○■□5-05073-00

Dioptic Adjustment Lens S (+2)

★○■□5-05051-00

Dioptic Adjustment Lens S (+1.5)

★○■□5-05075-00

Dioptic Adjustment Lens S (+1)

★○■□5-05076-00

Dioptic Adjustment Lens S (+0.5)

★○■□5-05041-00

Dioptic Adjustment Lens S (0)

●: Canon F-1
★: Canon AE-1 & AT-1

○: Canon EF
■: Canon FTb

□: Canon TLb/TX
▲: Canon EX Auto

△: All SLRs except EX Auto
No Mark: All SLRs

FLASH ACCESSORIES

★○■□▲/5-05078-00 Dioptric Adjustment Lens S (−0.5)

★○■□▲ 5-05079-00

Dioptric Adjustment Lens S (−2)

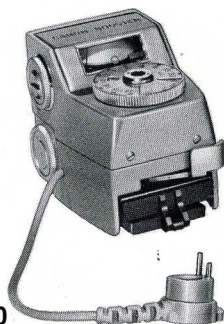
★○■□▲ 5-05081-00

Dioptric Adjustment Lens S (−3)

★○■□▲/5-05082-00

Dioptric Adjustment Lens S (−4)

This series of dioptric adjustment lenses is for the following cameras: EF, FTb, TX, TLb and EX Auto. They give eyeglass wearers the freedom to leave their glasses home when photographing, because they provide a direct vision correction right on the camera. Note: Plus (+) diopters are for nearsightedness, minus (−) diopters are for farsightedness.



■5-60081-00

Booster in case for Canon FTb

The FTb Booster extends the FTb's low-light sensitivity down to EV −3.5 (15 sec. at f/1.2 with ASA 100 film). It's perfect for doing low-light photography with the FTb, as well as photography where long bellows extensions and extension tube lengths must be used, and light falloff is great from subject to film plane.



●5-59211-00 Eye Cup 3R

Included with the F-1. This eye cup is also available as a spare or replacement. It helps to shield the rear eyepiece of the camera from distracting light, and keeps stray light rays from entering and effecting a possible change in exposure measurement.



★○■□▲ 5-59212-00 Eye Cup 4S

This eye cup is included with the EF, and available as an optional accessory with the Canon FTb, or as a replacement/spare for the EF. It makes viewing brighter because it protects the eyepiece from reflections, and it makes metering more accurate, because it keeps light from entering the eyepiece and altering meter readings.



●○■5-00271-31

Speedlite 133D w/Flash Auto

Ring A2

(for FD 50mm f/1.8, 35mm f/3.5, 35mm f/2)

●○■5-00271-32

Speedlite 133D w/Flash Auto

Ring B2

(for FD 50mm f/1.4, 35mm f/3.5, 35mm f/2)

●○■5-02124-00

Flash Auto Ring A2

(for FD 50mm f/1.8, 35mm f/3.5, 35mm f/2)

●○■5-02125-00

Flash Auto Ring B2

(for FD 50mm f/1.4, 35mm f/3.5, 35mm f/2)

These accessories, along with the designated lenses, comprise the Canon Auto Tuning (CAT) system for automatic electronic flash photography. They are for use with the F-1, EF and FTb. The named lenses are equipped with a coupling pin which signals the focused distance to the unit through the Flash-Auto Ring. The flash's state of charge is transmitted to the meter needle and aperture circle is simply centered over the meter needle, as in regular photography. Because the CAT system utilizes these unique features, subjects will always be correctly exposed, even when very light or dark, or when there is a light foreground object, which will tend to "fool" an ordinary auto flash into underexposing the real subject.



●5-02131-01 Flash Coupler L

The Flash Coupler L is for using the CAT system with the F-1. It incorporates an accessory shoe, and has a unique, built-in light for illuminating exposure information. It also has a built-in flash hot shoe for use with conventional flash units.



●5-02111-00 Flash Coupler D

Flash Coupler D is a simple accessory which accepts conventional hot shoe electronic or standard flash accessories.



▲5-00242-20 Canolite D

The Canolite D offers automatic flash photography with the EX Auto and the Canonet rangefinder cameras. Used with the EX Auto SLR, it offers the owner a quality single-lens reflex that has automation of exposure with or without flash.



4-80024-00

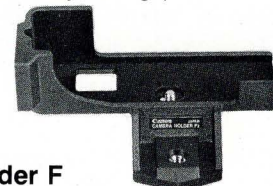
Gadget Bag 4

This high-quality medium-sized gadget bag is ideal for Canon SLR, a few extra lenses and some film and accessories. It is made of high quality materials, to a standard befitting Canon cameras.

4-80025-00

Gadget Bag G-1

Gadget Bag G-1 is a larger camera bag, for a complete SLR outfit for the pro or advanced amateur. It is completely professional-looking, and made to last for years of rugged use. It may be carried either over the shoulder, or by hand grips.



5-03111-00

Camera Holder F

The Camera Holder F is ideal for any application where steadiness of the camera/lens combination is paramount, such as copying, macrophotography or telephoto photography.

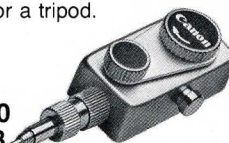
5-63061-00

Canon Release 30

5-63062-00

Canon Release 50

These are cable releases which are essential for a vibrationless shutter trip at slow shutter speeds or for a greater convenience when using the camera on Copy Stand 4 or a tripod.

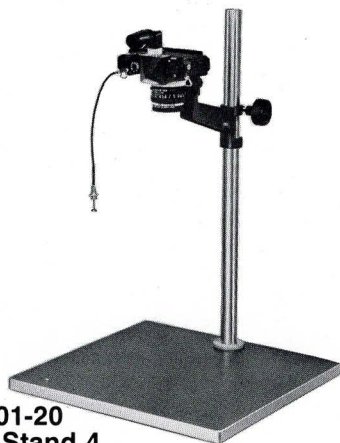


□5-64017-00

Self Timer 8

This accessory is for the TX or TLb, which do not have self timers of their own. It gives a time delay for 5 to 10 seconds, so that the user can get himself into the photograph, or vibration from manual shutter tripping can be eliminated.

MACROPHOTO & CLOSE-UP ACCESSORIES



4-20601-20 Copy Stand 4

This is a high-quality copy stand made to the same exacting criteria as Canon SLR cameras. It is useful for a variety of applications, from photomicrography to macrophotography, copying to close-ups. Its solid construction insures vibration-free work at critical magnifications and long exposures.



△ 4-25901-03 Handy Stand F55 Set

The Handy Stand F55 is a lightweight, portable unit primarily intended for use in copying materials at fixed reproduction ratios.



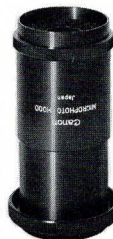
△ 4-26201-20 Photo Micro Unit F

This Canon microscope adapter is for use where a fixed camera-to-microscope distance is acceptable. It is suitable for photography with general and metallographical microscopes with a 25mm diameter outside sleeve. Magnification is approximately 0.5x that of the microscope eyepiece objective.

△ 4-25117-00

Macro Hood

This lens accessory must be used with all FD lenses (reversed) when used with the Macrophoto Coupler in order to a) permit the use of the aperture manually and b) to shield the rear element from stray light rays and protect it from damage.



△ 4-25501-00

Microphoto Hood

This is an adjustable microscope adapter which should be used in conjunction with Bellows FL or M, and Lens Mount Converter A. It is adjustable so as to change the magnification of the image. Focusing is accomplished either by the microscope or Bellows.



△ 4-25301-01

Extension Tube ABC Set

This set of Extension Tubes is comprised of three screw-in type tubes which are to be used in conjunction with the Lens Mount Converters A and B. Tube A is 6mm, B is 9mm and C is 12mm in length.

△ 4-25301-00

Extension Tube A (6mm)

△ 4-25302-00

Extension Tube B (9mm)

△ 4-25303-00

Extension Tube C (12mm)

These tubes are the individually available tubes included in Extension Tube Set ABC.



△ 4-25304-00

Extension Tube 25

△ 4-25305-00

Extension Tube 50

△ 4-25311-00

Extension Tube 75

△ 4-25312-00

Extension Tube 100

△ 4-25313-00

Extension Tube 150

△ 4-25314-00

Extension Tube 200

This group of separately-available screw-in type extension tubes is to be used in conjunction with Lens Mount Converters A and B. They are useful for extreme

magnifications in macrophotography, and where fixed close-up and macro reproduction ratios must be maintained for long periods of time, such as in copying small objects. They screw together with 39mm screw mounts. Diaphragm operation is manual, as is metering. Numerical suffix designates length in millimeters.



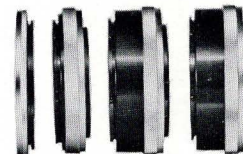
△ 4-25315-00

Extension Tube FL15

△ 4-25321-00

Extension Tube FL25

Stopped-down metering and full diaphragm automation are preserved using these two separately-available extension tubes. They are quite handy for the photographer who likes to be prepared for close-up photography with any lens, and who prefers the convenience of aperture automation and stopped-down metering. Numerical suffix indicates length in mm.



△ 4-25316-01

Extension Tube M Set

The Extension Tube M Set includes four tubes as follows: one 5mm tube, one 10mm tube and two 20mm tubes. They form a very compact outfit for macrophotography and close-up photography, and can be used with any Canon lens: FD, FL or R, since they incorporate the Canon breech-lock mounting system.

△ 4-25316-00

Extension Tube M5

△ 4-25317-00

Extension Tube M10

△ 4-25322-00

Extension Tube M20

These tubes comprise the basic tubes in Extension Tube M Set. Their use is as described above.

△ 4-25403-00

55 Macrophoto Coupler

△ 4-25404-00

58 Macrophoto Coupler

△ 4-25405-00

48 Macrophoto Coupler

The Macrophoto Couplers are important accessories which position lenses in reverse for optimum close-up definition and image quality. This series of Macrophoto Couplers (numerical prefix designates the filter sizes of the lenses for which they are intended) is used with the screw-mount extension tubes, or on a Bellows unit with Lens Mount Converter A. Focusing is performed either with bellows or the lens' focusing ring.

MACROPHOTO & CLOSE-UP ACCESSORIES



△ 4-25701-00
FL48 Macrophoto Coupler

△ 4-25711-00
FL58 Macrophoto Coupler

△ 4-25721-00
FL 55 Macrophoto Coupler

These Macrophoto Couplers perform the same function as the screw-mount Macrophoto Couplers, with significant changes in operation. They require no Lens Mount Adapters, since they are in Canon breech-lock configuration. Numerical prefixes indicate the filter sizes of the lenses with which they are to be used. With the FL Macrophoto Couplers, focusing can be accomplished up to 13mm, so that they can be used with rigid Extension Tubes with a good degree of flexibility of focusing, although they are best utilized in conjunction with a bellows.



△ 5-42011-00
Lens Mount Converter A

This accessory contains a female 39mm screw thread and female breech-lock ring. It is for mounting Canon screw mount accessories onto Canon breech-lock mounts (Bellows, SLR's).



△ 5-42021-00
Lens Mount Converter B

Lens Mount Converter B has a 39mm male screw thread and male breech-lock mount. It is for mounting FD, FL and R accessories and lenses onto Canon screw-mount accessories.

△ 5-42031-00
Lens Mount Converter E

This Lens Mount Converter E will allow Topcon/Exacta bayonet mount lenses and accessories to be used on Canon SLR cameras. NO DIAPHRAGM COUPLING IS POSSIBLE.

△ 5-42071-00
Lens Mount Converter P

Lens Mount Converter P enables the user to mount Pentax/Practica thread lenses and accessories onto Canon SLR cameras. NO DIAPHRAGM COUPLING IS POSSIBLE.

△ 5-43231-01
58 Close-Up 450

△ 5-43241-01
58 Close-Up 240

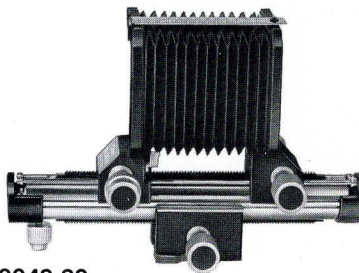
5-43251-01
48 Close-Up 450

5-43331-01
48 Close-Up 240

△ 5-43571-00
55 Close-Up 450

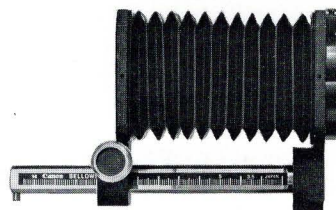
△ 5-43561-00
55 Close-Up 240

These high-quality Close-Up Lenses are for all Canon lenses with filter sizes of 48mm, 55mm or 58mm (numerical prefix designates filter size). They are excellent for any photographer needing portable accessories for close-ups. They require no exposure compensation, as they cause no light falloff at the film plane. The 55 Close-Up Lenses are two-element lenses of achromatic design and offer particularly good image quality, especially when compared to conventional close-up lenses. The suffix indicates the closest focusing distance when used with a standard lens. Magnification of the image depends on the focal length used.



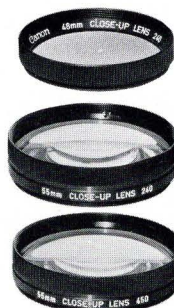
△ 5-59042-20
Bellows FL

Bellows FL is a sophisticated, rugged, versatile bellows unit that permits infinite variations of image magnification within the limits of its minimum and maximum extensions. With a standard focal length lens, it offers magnifications ranging from 1x (1:1, life sized) to 3x (3:1, three times life sized). With FD and FL series lenses, semi-automatic aperture operation is preserved (lens stops down, must be reset at open aperture position). It accepts the Slide Duplicator. Both front and rear extensions of this unit are possible.



△ 5-59043-00
Bellows M

This is a simple bellows with front-standard movement and manual aperture functions with all Canon lenses (FD, FL, R). It is a lightweight, handy accessory that fits easily into a gadget bag. Recommended for its portability.



△ 5-49181-00
Slide Duplicator 48

△ 5-59181-01
Slide Duplicator 55

The numerical suffixes of these accessories indicate the filter sizes of the lenses with which they can be used. They permit limited cropping of slides, as well as color correction, duplication and the conversion of color into black-and-white. Each is provided with a screw attachment to be used with Bellows FL.



△ 43-6370
Attachment Ring 48 for Slide Duplicator

△ 43-6371
Attachment Ring 55 for Slide Duplicator

△ 43-6372
Attachment Ring 58 for Slide Duplicator

For the photographer wishing to convert his Slide Duplicator to accept lenses of different filter size, these accessory Attachment Rings are provided. For example, the owner of the Slide Duplicator 48 may use the accessory with lenses having filter sizes of 55mm and/or 58mm with the simple addition of extra Attachment Rings.

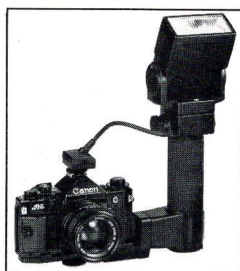
●9-00505-N5
Introduction to the Canon F-1 (F-1 Guide Book)

This volume is a virtual treasure trove of information about the F-1 camera, the F-1 system and many accessories which are common to all Canon SLR cameras. It is profusely illustrated, with beautiful technical and artistic photographs which help to give the photographer some idea as to the enormous scope of the F-1 and its system. No F-1 owner or prospective owner should be without it.

"A" Series Accessories



577G



533G



199A



177A



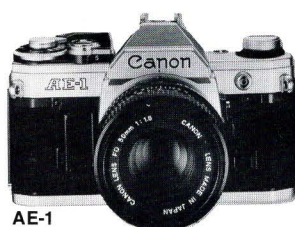
155A



133A



A-1



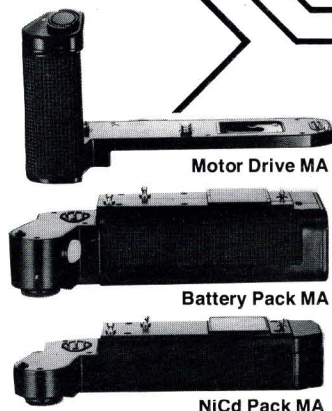
AE-1



AT-1



AV-1



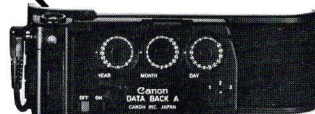
Motor Drive MA

Battery Pack MA

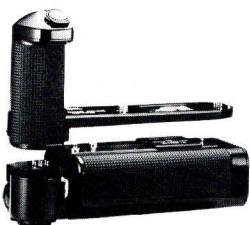
NiCd Pack MA



Power Winder A



Data Back A



C51-9371-211
Motor Drive MA Set
(Including Motor Drive MA and
Battery Pack MA)



C58-5451-311
NiCd Pack MA Set
(Including NiCd Pack MA and NiCd
Charger MA)

This high-performance motor drive for the A-1 camera is compact, light weight and full of outstanding performance features. Top speed with the Battery Pack MA is 5fps. And the Battery Pack MA affords a choice of three shutter releases, two horizontal and one vertical. Single shots and a slow rate are provided, as well as a unique "instant high speed" switch with the Battery Pack MA. If

the user is in the single frame or low speed mode and presses the switch, the motor shifts instantly to the maximum rate of 5fps for as long as the switch is depressed. The NiCd Pack MA may be purchased initially as an alternative, rechargeable power supply for the Motor Drive MA, or as an auxiliary power supply for the Motor Drive MA Set. It is more compact than the Battery Pack MA and features a slightly lower maximum rate in low and high ranges, as well as omitting the instant high speed switch found on the Battery Pack MA.

C51-9371-201
Motor Drive MA

Basic Motor Drive MA unit available separately, without Battery Packs.

C58-5441-011
Battery Pack MA

Separately available Battery Pack MA for Motor Drive MA, available as replacement, spare or auxiliary power supply.

C58-5461
Battery Magazine MA
Internal replacement/spare Battery
Magazine for Battery Pack MA.

C58-5451-001
NiCd Pack MA

Individually-available NiCd Pack MA serves as a spare, replacement or auxiliary power supply for Motor Drive MA.

C56-2097
NiCd Charger MA

This Charger is available separately and used to replenish the power of the NiCd Pack MA for the Motor Drive MA.



C51-9331-001
Power Winder A in case
C58-5411-011
Battery Pack A

The Power Winder A is a compact motorized film advance that attaches to the Canon A-1, AE-1, AV-1 and AT-1 cameras via the tripod socket. In use, it will advance the film automatically and cock the shutter after every shot or make sequences at up to two frames-per-second when the shutter release is held down, at speeds of 1/60 sec. or higher.

Because of its simplicity, the Power

"A" Series Accessories

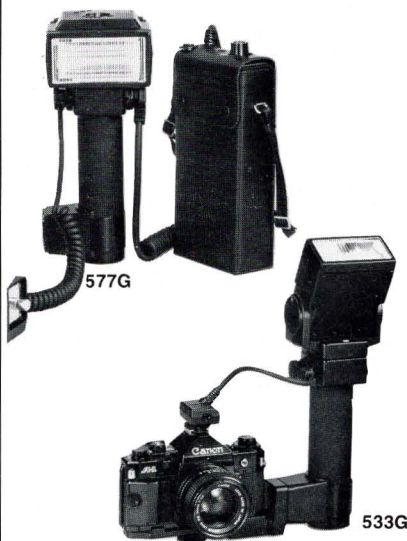
Winder A is quite rugged and dependable. It gives extended use with 4 AA power cells. The Battery Pack A is included with the basic Power Winder A, and is also available as an accessory—in cold weather it may be carried loaded with batteries in a coat pocket to preserve power.

A red LED on the Power Winder A signals when the film end has been reached or when the batteries in the Power Winder A are losing power.



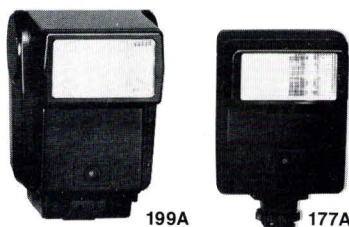
C46-0994 Action Case

The Action Case is a special "everready" type case that fits the A-1, AE-1, AV-1 or AT-1 cameras with Power Winder A attached. Thanks to its unique design, the Action Case does not have to be removed either to change film or batteries in the Power Winder A. Use of the Action Case is highly recommended for its shock protection as well as for the extra insulation it provides the Power Winder A batteries in cold weather operation.



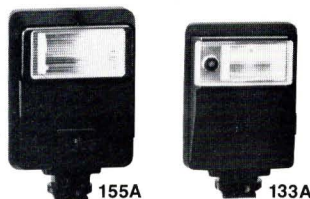
C50-0391-211 Speedlite 577G Set (Consists of Speedlite 577G, Sensor Unit G-20, One-Touch Bracket G, Wide Adaptor 577G-24)

C50-0381-221 Speedlite 533G Set (Consists of Speedlite 533G, Sensor Unit G-20, One-Touch Bracket G, Wide Adaptor 533G-24, Battery Magazine 533G)



C50-0321-211 Speedlite 199A Set (Consists of Speedlite 199A, case and wide adapter)

C50-0361-211 Speedlite 177A Set (Consists of Speedlite 177A, case and wide adapter)



C50-0311-201 Speedlite 155A Set (Consists of Speedlite 155A and case)

C50-0371-201 Speedlite 133A Set (Consists of Speedlite 133A and case)

C50-1411-001 Synchro Cord A

Canon Dedicated Speedlites are designed specifically to operate with Canon "A" Series SLR cameras. Special connections between these cameras and the 577G, 533G, 199A, 177A, 155A and 133A speedlites allow a greater degree of automation and flexibility than is provided by any other flash system.

With all "A" Series cameras, attaching a Canon Dedicated Speedlite automatically sets the shutter speed to 1/60th second for proper flash synchronization. In addition, with the A-1 and AE-1 models, as soon as the Speedlite reaches full charge (as indicated by the ready-light) the proper aperture will be selected for automatic flash exposure. When the 577G, 533G or 199A Speedlites are used with the Canon A-1, a special "slow" switch on the Speedlites may be activated which permits flash photography at speeds of 1/30th second or slower for combination flash/time exposures.

For additional information and specifications on all Canon Speedlites, please refer to pages SG3-D1 to SG3-D4 in the Accessories Section.



C51-9351-001 Data Back A

The back covers of the Canon A-1, AE-1 and AT-1 cameras are completely removable and readily interchangeable with the Data Back A, an accessory that can be used to record the date or user-designated codes directly onto the film.

Data may be imprinted as the user shoots, afterwards or the unit may be switched off entirely. Three different LED film-exposure settings are provided: B.W. (black-and-white), Color 1 (ASA 64-160 color films) and Color 2 (ASA 25-50 color films). Thanks to the extremely low power drain with this unit, more than 8,000 exposures are possible from one battery.

Connection to the cameras is made via cord attaching to the cameras' PC sockets.

CA4-0301 Tripod Adapter A

The Tripod Adapter A may be used with the Canon A-1, AE-1, AV-1 and AT-1 cameras for tripod mounting to afford extra security and protection to the camera finish.

C58-5471-011 Canon External Battery Pack A Set (Includes Battery Cords C-A & PW.)

The External Battery Pack A permits operation of any "A" Series camera (A-1, AE-1, AV-1 or AT-1) and/or Power Winder A in very cold weather conditions where additional battery power is needed and where the main power supply should be kept warm, i.e., inside the user's clothing. Also usable with F-1 and Power Winder F.

CG4-0014-001 Battery Cord C-A (Included with Battery Pack A)

This Cord is used to attach External Battery Pack A to an "A" Series camera for operation in cold weather.

CG4-0015-001 Battery Cord PW (Included with Battery Pack A)

This Cord is used to attach External Battery Pack A to the Power Winder A for use in cold weather.



5-22041-01 Remote Switch 3



5-22051-00 Remote Switch 60

The Remote Switch 3 (8m/25 ft. long) and Remote Switch 60 (60cm/2 ft. long) may be used for remote release of the A-1 camera when used in conjunction with the Motor Drive MA. By adding one or more Extension Cord E1000 cables, the camera can be operated from even greater distances.

"A" Series Accessories



C58-5351-211
Wireless Controller LC-1 Set
 (Consists of LC-1 Transmitter and
 LC-1 Receiver)
C58-5351-001
LC-1 Transmitter
C58-5352
LC-1 Receiver

The Wireless Controller LC-1 is for all Canon equipment with electromagnetic release mechanisms, such as the Motor Drive MF, Motor Drive MA and the following Super 8 cameras: 1014XL-S, 814XL-S, 1014-E, 814-E, 814XL-E, AF514XL-S, 514XL-S, 312XL-S and 512XL.

It provides remote release via infrared light, eliminating interference problems encountered when using radio frequency remote control units. Three operating channels are provided for either S (single) or C (continuous) running modes. More than one LC-1 Receiver may be operated by a single LC-1 Transmitter.



5-05072-00
Dioptic Adjustment Lens S (+3)
5-05073-00
Dioptic Adjustment Lens S (+2)
5-05051-00
Dioptic Adjustment Lens S (+1.5)
5-05075-00
Dioptic Adjustment Lens S (+1)
5-05076-00
Dioptic Adjustment Lens S (+0.5)
5-05041-00
Dioptic Adjustment Lens S (0)
5-05078-00
Dioptic Adjustment Lens S (-0.5)
5-05079-00
Dioptic Adjustment Lens S (-2)
5-05081-00
Dioptic Adjustment Lens S (-3)
5-05082-00
Dioptic Adjustment Lens S (-4)

This series of dioptic adjustment lenses is for the following cameras: A-1, AE-1, AV-1, AT-1, EF, FTb, TX, TLb and EX Auto. They give eyeglass wearers the freedom to leave their glasses home when taking pictures because they provide direct vision correction right on the camera.

NOTE: Plus (+) diopters are for farsightedness, minus (-) diopters are for nearsightedness.

5-40712-00
Angle Finder A-2

The Angle Finder A-2 is intended for low-level or copying work. It rotates for vertical or horizontal use. It presents images which are reversed, left-to-right, and shows the entire field of view as well as all viewfinder information. Has built-in dioptic adjustment.



5-40711-00
Angle Finder B

This Angle Finder presents an image which is correctly oriented up and down and left-to-right. Like the Angle Finder A-2, it contains a built-in dioptic adjustment, rotates for horizontal or vertical use and shows the entire field of view as well as all viewfinder information.



5-59212-00
Eye Cup 4S

This eye cup is included with the A-1, AE-1, AT-1, and EF cameras and is available as an optional accessory for the Canon AV-1. It makes viewing brighter because it protects the eyepiece from reflections and it makes metering more accurate because it keeps light from entering the eyepiece and affecting meter readings.



5-40701-00
Magnifier S
5-41041-00
Magnifier Adapter S

The Magnifier S (with Magnifier S Adapter) is for use with the A-1, AE-1, AT-1, AV-1, EF, FTb, TX and TLb models. It offers 2.5X magnification of the center of the finder for critical focusing. It can be swung up out of the field of view for a look at the entire image area and has a built-in dioptic adjustment of from -4 to +4 diopters. (May be used with the F-1 by adding Magnifier Adapter R.)



C56-7051-221
Canon Marine Capsule A Set
 (Including Marine Capsule A Body, O Ring and Grease, Front Housing MCA S, 52mm Close-up lens 240, Focus Adaptor MCA No. 6, Aperture Ring Adaptor MCA Type A and Carrying Case for Marine Capsule A.)

The Canon Marine Capsule A has been specifically designed for serious underwater photography to a depth of 200 feet. It has been custom-manufactured to accommodate the Canon A-1, AE-1, and AT-1 model SLR cameras with Power Winder A for automatic



"A" Series Accessories

film advance operation. Since the Marine Capsule A has been specifically designed for use with these cameras, it has been fitted with control mechanisms that allow full use of these cameras' standard operating features. In addition, interchangeable front housings permit the use of Fisheye, Wide-Angle, Telephoto or Standard lenses with the unit.

SPECIFICATIONS

Usable Cameras: Canon A-1, AE-1, AT-1 with Power Winder A

Usable Lenses: 30 different Canon lenses from 15mm Fisheye to 200mm Telephoto may be used

Shooting Range: To a maximum depth of about 200 feet

Viewfinder: Detachable Pick-Up Finder w/0.4X magnification

Focusing: By external lever coupled to lens focusing control by special adaptor

Aperture Control: By external lever coupled to lens aperture ring by special adaptor

Grip: Adjustable from straight down to 90° upwards w/locks at the two extreme positions

Underwater flash: Usable with special flash attachment adaptor

Waterproofing: Removable parts are tightly sealed shut by O-rings

Front Housing: Three models available: one for FD 15mm f2.8 Fisheye lens only, one for wide-angle and standard lenses; one for telephoto lenses

Adjustment Lens: Canon Close-Up Lens 240 for use with Front Housing S

Dimensions: 8 7/8 x 7-11/16 inches

Weight: 9-9/16 pounds

* CS1-0312

Focus Adaptor MCA #6—for:

New FD 24mm f2.8
New FD 28mm f2.0
New FD 28mm f2.8
New FD 35mm f2.0
New FD 35mm f2.8
New FD 50mm f1.4
New FD 50mm f1.8
New FD 85mm f1.8
New FD 100mm f2.8

* CS1-0304

Aperture Ring Adaptor MCA Type A—for most New FD lenses 17mm-100mm

* C56-7062

Front Housing MCA Type S—for most New FD lenses from 17mm f4.0 through 100mm f2.8 (not including 100mm f4.0 Macro)—and most FD lenses 17mm-100mm

* XG9-0075

O-ring—one each for front and back housings

* C54-3731

52mm Close-Up lens 240—for most new FD lenses from 24mm f2.8 through 100mm f4.0 Macro

* C48-6311

Carrying Case—for Marine Capsule A

CS1-0307

Focus Adaptor MCA #1—for:
New FD 100mm f4.0 Macro

CS1-0308

Focus Adaptor MCA #2—for:
New FD 17mm f4.0
New FD 20mm f2.8

CS1-0309

Focus Adaptor MCA #3—for:
FD 85mm f1.8
FD 100mm f2.8
FD 100mm f4.0 Macro
FD 200mm f4.0

CS1-0310

Focus Adaptor MCA #4—for:
FD 24mm f2.8
FD 28mm f2.0
FD 35mm f2.0
FD 50mm f1.4
FD 50mm f3.5 Macro

CS1-0311

Focus Adaptor MCA #5—for:
FD 28mm f2.8
FD 35mm f3.5
FD 50mm f1.8

CS1-0313

Focus Adaptor MCA #7—for:
New FD 50mm f3.5 Macro

CS1-0314

Focus Adaptor MCA #8—for:
FD 17mm f4.0
FD 20mm f2.8
FD 135mm f2.5

CS1-0035

Aperture Ring Adaptor MCA Type B—for most FD lenses 15mm-200mm

CS1-0315

Aperture Ring Adaptor MCA Type C—for:
New FD 15mm f2.8 Fisheye lens

C56-7061

Front Housing Adaptor MCA Type FE—for:
New FD 15mm f2.8 Fisheye lens and
FD 15mm f2.8 Fisheye lens only

C56-7063

Front Housing MCA Type T—for:
New FD 100mm f4.0 Macro
FD 100mm f4.0 Macro
FD 135mm f2.5
FD 200mm f4.0

C54-3751

72mm Close-Up Lens 240—for:
New FD 17mm f4.0
New FD 20mm f2.8
FD 17mm f4.0
FD 20mm f2.8

***Included in basic Marine Capsule A set.**

Automatic Flash Systems for SLR Cameras



C50-0391-211 Speedlite 577G Set (Consists of Speedlite 577G, Sensor Unit G-20, One-Touch Bracket G, Wide Adaptor 577G-24)

The Canon Speedlite 577G is an extremely powerful handle-mount flash unit with external power supply designed expressly for professional use. Engineered to function with Canon SLR cameras and other cameras having direct contact accessory shoes or standard PC terminals, the 577G is an advanced thyristorized system flash featuring three automatic flash ranges plus automatic bounce flash and a high Guide Number of 157 with ASA 100 film. A remote flash sensor mounts on the camera's accessory shoe to provide accurate automatic exposure control regardless of the position or bounce angle of the flash, even when it is used off-camera or aimed away from the subject, eg: into a flash umbrella, etc.

The Transistor Pack G portable power supply can be loaded either with a battery magazine containing six (6) "C" size Alkaline batteries or with the Canon Ni-Cd Pack TP self-contained Ni-Cd battery system.

KEY FEATURES:

- Guide Number of 157 with ASA 100 film
- On a Canon A-1, AE-1, AT-1 or AV-1 camera it will automatically switch the shutter speed to 1/60 sec. Even the aperture will be set automatically for the A-1 and AE-1.
- Three Automatic flash ranges plus Manual operation
- Remote sensor for automatic exposure on bounce, off-camera flash operation
- Pilot Lamp/Test Button glows when unit is charged, fires flash to test when depressed
- Auto Check Lamp lights when sufficient light has reached subject in Auto-Flash modes
- Bounce Flash Head moves horizontally & vertically, offering 30 positions with vertical

detents at 0°, 60°, 75°, 90°, 105° and 120°
Horizontal detents at 0°, 60°, 75°, 90°, 105° and 120°

SPECIFICATIONS

Type: Thyristorized computer flash w/series control system

Attachment: Canon One-Touch Bracket

Synchronization: Through separate sensor unit mounted on camera's direct contact shoe or with sychro cord

Guide Numbers (ASA 100, feet): Normal-157

92 with Wide Adaptor 577G-24

79 with Wide Adaptor 577G-20

207 with Tele Adaptor 577G

Flash Coverage: For 35mm format covers angle of view of 35mm lens without adaptors
24mm lens with Wide Adaptor 577G-24
20mm lens with Wide Adaptor 577G-20
100mm lens with Tele Adaptor 577G

Recycling Time: With Alkaline-Manganese batteries: approximately 18 seconds
With NiCd batteries: approximately 7 seconds

Number of Flashes: Alkaline-Manganese batteries: 100-1000 allowing 30 seconds between flashes
NiCd batteries: 75-750 allowing 30 seconds between flashes

Color Temperature: Same as Daylight

Flash Duration: 1/400th-1/50,000th second

Flash Control System: Automatic flash sensor measures light reflected back from subject and cuts output when sufficient illumination is sensed

Metering Sensitivity pattern: Average measurement

Auto Flash Ranges: Three different flash ranges are provided for flexibility and control of depth-of-field

Auto Apertures (ASA 100): Red-f2.8

Green-f5.6

Yellow-f11

Dimensions: 2 7/8 x 4 1/4 x 9 5/8 inches

Weight: 21-3/16 ounces



C50-0381-221 Speedlite 533G Set (Consists of Speedlite 533G, Sensor Unit G-20, One-Touch Bracket G, Wide Adaptor 533G-24, Battery Magazine 533G)

The Canon Speedlite 533G is a high-powered, professional type, handle-mount flash unit designed to function with Canon SLR cameras or any cameras having direct contact accessory shoes or standard PC terminals. The 533G is an advanced thyristorized system flash featuring three automatic flash ranges plus automatic bounce flash, and a high Guide Number of 118 with ASA 100 film. A remote flash sensor mounts on the camera's accessory shoe to provide accurate automatic exposure control regardless of the position or bounce angle of the flash, even when it is used off-camera or aimed away from the subject, eg: into a flash umbrella, etc. Up to 1,200 flashes may be obtained when using six (6) "AA" size alkaline batteries in a handle-mounted magazine. Ni-Cd batteries may also be used in the magazine, and an optional Transistor Pack G separate power supply is available to hold six (6) "C" sized alkaline or Ni-Cd batteries.

KEY FEATURES:

- Guide Number of 118 with ASA 100 film
- On a Canon A-1, AE-1, AT-1 or AV-1 camera it will automatically switch the shutter speed to 1/60 sec. Even the aperture will be set automatically for the A-1 and AE-1.
- Three Automatic flash ranges
- Remote sensor for automatic exposure on bounce, off-camera flash operation
- Pilot Lamp/Test Button glows when unit is charged, fires flash to test when depressed
- Auto Check Lamp lights when sufficient light has reached subject in Auto-Flash modes
- Bounce Flash Head moves horizontally & vertically, offering 30 positions with vertical detents at 0°, 60°, 75°, 90° and 120°
Horizontal detents at 0°, 60°, 75°, 90°, 105° and 120°

Automatic Flash Systems for SLR Cameras

SPECIFICATIONS

Type: Thyristorized computer flash w/series control system

Attachment: Canon One-Touch Bracket

Synchronization: Through separate sensor unit mounted on camera's direct contact shoe or with synchro cord

Guide Numbers (ASA 100, feet): Normal-118
72 with Wide Adaptor 533G-24
59 with Wide Adaptor 533G-20
167 with Tele Adaptor 533G

Flash Coverage: For 35mm format, covers angle of view of 35mm lens without adaptors
24mm lens with Wide Adaptor 533G-24
20mm lens with Wide Adaptor 533G-20
100mm lens with Tele Adaptor 533G

Recycling Time: With Alkaline-Manganese batteries: approx. 10 seconds
With NiCd batteries approximately 5.5 seconds

Number of Flashes: Alkaline-Manganese batteries: 120-1200 allowing 30 seconds between flashes
NiCd batteries: 55-555 allowing 30 seconds between flashes

Color Temperature: Same as Daylight

Flash Duration: 1/800th-1/50,000th second

Flash Control System: Automatic flash sensor measures light reflected back from subject and cuts output when sufficient illumination is sensed

Metering Sensitivity Pattern: Average measurement

Auto Flash Ranges: Three different flash ranges are provided for flexibility and control of depth-of-field

Auto Apertures: (ASA 100): Red-f2.8
Green-f5.6
Yellow-f11

Dimensions: 3-11/16 x 4 1/8 x 9 3/4 inches

Weight: w/o batteries: 23 3/8 ounces



* † C50-1491

Sensor Unit G-20—automatic sensor mounts on direct contact shoe of camera



* † C50-1501

One-Touch Bracket G—mounts 533G and 577G to camera w/quick-release feature for off-camera use



* C50-1543

Wide Adaptor 577G-24—increases flash coverage to that of 24mm lens



† C50-1541

Wide Adaptor 533G-24—increases flash coverage to that of 24mm lens

† C50-1561

Battery Magazine 533G—holds six (6) "AA" batteries for use in the Canon Speedlite 533G's grip.



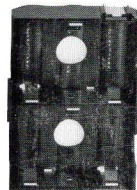
C50-1492

Sensor Unit G-100—same as G-20 but with long coiled cord for off-camera use



C50-1521-311/ C50-1521-221

Transistor Pack G—available with either Battery Magazine TP for six (6) "C" sized Alkaline batteries or with Canon Ni-Cd Pack TP



C50-1571

Battery Magazine TP—holds six (6) "C" cells for Transistor Pack G



C50-1581

Ni-Cd Pack TP—self-contained Ni-Cd battery system for use in Transistor Pack G



C50-1557

Ni-Cd Charger TP—charger for Ni-Cd Pack TP—uses 110v. A.C.



C50-1544

Wide Adaptor 577G-20—increases flash coverage to that of 20mm lens



C50-1542

Wide Adaptor 533G-20—increases flash coverage to that of 20mm lens



C50-1546

Tele Adaptor 577G—concentrates light to cover area of 100mm lens



C50-1545

Tele Adaptor 533G—concentrates light to cover area of 100mm lens



C50-1547

Adaptor G for Motor Drive MF—allows One-Touch Bracket G to be mounted when Motor Drive MF system is attached to F-1 camera



C50-1591

Flash Coupler F—provides mount for Sensor Units G-20 or G-100 on F-1

*Included in basic 577G set.

†Included in basic 533G set.

Automatic Flash Systems for SLR Cameras



C50-0321-211 Speedlite 199A Set (Consists of Speedlite 199A, case and wide adapter)

The Canon Speedlite 199A is a dedicated, thyristorized flash unit designed for operation with Canon "A" Series cameras. The Speedlite 199A features a high Guide Number of 100 with ASA 100 film, three automatic flash ranges plus Manual and automatic bounce flash capability. The most powerful shoe-mount Speedlite in the Canon line, the 199A is recommended for use with the Canon A-1 or any "A" Series camera with motor drive or Power Winder A due to its high power and very rapid recycling time.

KEY FEATURES:

- High Guide Number of 100 (ASA 100, feet)
- Three automatic ranges plus Manual
- Bounce flash capability
- Flash coverage for 24mm lens with wide adapter
- Special "SLOW" switch permits use of 199A on Canon A-1 at speeds below 1/60th second for combination flash/time exposures

SPECIFICATIONS:

Type: High-powered shoe-mount flash; automatic, thyristor type

Guide Number: (ASA 100, feet) 100, 60 w/wide adaptor

Recycling Time: 10 seconds w/Alkaline-Manganese batteries
6 seconds w/NiCd batteries

Number of Flashes: 100-1,000 w/Alkaline-Manganese batteries
50-500 w/NiCd batteries

Auto Flash Ranges: 3

Auto Apertures: (ASA 100)

Red-f2.8
Green-f5.6
Yellow-f11

Bounce: Yes

Flash Coverage: For 35mm format, covers angle of view of 35mm lens; covers 24mm w/adaptor

Color Temperature: Daylight

Power Source: 4 "AA" size Alkaline or NiCd batteries

Dimensions: 3 1/8 x 3 1/4 x 4 1/2 inches

Weight: 1 lb., 1-5/16 oz.



C50-0361-211 Speedlite 177A Set (Consists of Speedlite 177A, case and wide adapter)

The Canon Speedlite 177A is a powerful, compact automatic shoe-mount flash unit with energy-saving thyristor circuitry. Its high Guide Number of 82 with ASA 100 film and rapid recycling make it an excellent match for any "A" Series camera, especially with Power Winder A due to its very rapid recycling time.

KEY FEATURES:

- High Guide Number of 82 (ASA 100, feet)
- Two Automatic Flash ranges plus Manual
- Flash coverage for 28mm lens with wide adapter
- Thyristor circuitry for rapid recycling

SPECIFICATIONS:

Type: High-powered shoe-mount flash; automatic, thyristor type

Guide Number: (ASA 100, feet) 82, 52 w/wide adaptor

Recycling Time: 8 seconds w/Alkaline-Manganese batteries
6 seconds w/NiCd batteries

Number of Flashes: 200 or more w/Alkaline-Manganese batteries
70 or more w/NiCd batteries

Auto Flash Ranges: 2

Auto Apertures: (ASA 100) Red-f2.8
Green-f5.6

Bounce: No

Flash Coverage: For 35mm format, covers angle of view of 35mm lens; covers 28mm w/adaptors

Color Temperature: Daylight

Power Source: 4 "AA" size Alkaline or NiCd batteries

Dimensions: 2-13/16 x 2-5/16 x 4-3/16 inches

Weight: 10 15/16 ozs.



C50-0311-201 Speedlite 155A Set (Consists of Speedlite 155A and case)

The Canon Speedlite 155A is a compact automatic flash unit featuring two automatic flash ranges plus Manual. It features thyristorized circuitry which provides rapid recycling when the unit is fired at nearby subjects, permitting its use with "A" Series cameras and the Power Winder A for sequence shooting indoors.

KEY FEATURES:

- Two automatic ranges plus Manual
- Thyristor circuitry for rapid recycling

SPECIFICATIONS:

Type: Automatic, shoe-mount flash; thyristor-type

Guide Number: (ASA 100, feet) 56

Recycling Time: 7 seconds w/Alkaline-Manganese batteries
5 seconds w/NiCd batteries

Number of Flashes: 300 or more w/Alkaline-Manganese batteries
90 or more w/NiCd batteries

Auto Flash Ranges: 2

Auto Apertures: (ASA 100) Red-f2.8
Green-f5.6

Bounce: No

Flash Coverage: For 35mm format, covers angle of view of 35mm lens

Color Temperature: Daylight

Power Source: 4 "AA" size Alkaline or NiCd batteries

Dimensions: 2 3/4 x 2 x 4 1/8 inches

Weight: 10-9/16 oz.



C50-0371-201 Speedlite 133A Set (Consists of Speedlite 133A and case)

The Canon Speedlite 133A is an extremely compact, lightweight automatic flash unit featuring two automatic flash ranges and thyristorized circuitry for long battery life. Weighing just over seven ounces, the 133A can be carried along anywhere!

KEY FEATURES:

- Extremely compact, lightweight unit can be carried anywhere
- Over 100 flashes from two "AA" size batteries
- Two automatic ranges

SPECIFICATIONS:

Type: Automatic, shoe-mount flash; thyristor-type

Guide Number: (ASA 100, feet) 52

Recycling Time: 9 seconds w/Alkaline-Manganese batteries
6 seconds w/NiCd batteries

Number of Flashes: 100 or more w/Alkaline-Manganese batteries
70 or more w/NiCd batteries

Auto Flash Ranges: 2

Auto Apertures: (ASA 100) Green-4
(ASA 80, 100)
Orange-4 (ASA 400)

Bounce: No

Flash Coverage: For 35mm format, covers angle of view of 35mm lens

Color Temperature: Daylight

Power Source: 2 "AA" size Alkaline or NiCd batteries

Dimensions: 2-7/16 x 1-7/16 x 3 3/4 inches

Weight: 7-1/16 oz.

Automatic Flash Systems for SLR Cameras



C50-0301-221 Macrolite ML-1 Set (Consists of Macrolite ML-1, Wide Adapter ML-1, Macrolite Adapters 55 and 52, Tightening Rings 55 and 52)

The Macrolite ML-1 is an outstanding electronic flash system designed especially for close-ups with Canon cameras and lenses. A unique characteristic of the Macrolite ML-1 is the use of two symmetrical flash tubes which may be fired simultaneously or individually to create different effects. It also may be used with the Canon FD 80-200mm f4.0 zoom lens, with the FD 50mm f3.5 or FD 100mm f4.0 Macro lenses which is especially useful in medical or dental photography.

KEY FEATURES:

- Designed expressly for close-up photography
- Two flash tubes may be fired alone or simultaneously
- Automatic exposure control
- Flash Swivel: Rotation of flash unit in a 90° arc counter clockwise or a 45° arc clockwise

SPECIFICATIONS:

Construction: three-part construction, consisting of Flash Unit (two lamps); Control Unit (equipped w/pilot lamp and flash confidence lamp; mounts on accessory shoe), and Power Source section

Guide Number: (ASA 100, feet) 53; w/Wide Adapter ML-1, 31

Usable Lenses:

Canon FD 80-200mm f4.0 zoom
Canon FD 50mm f3.5 Macro
Canon FD 100mm f4.0 Macro

Pilot Lamp: (red) lights up when unit is ready to shoot; blinks to indicate full charge; doubles as flash "TEST" button

Confidence Lamp: (green) lights up for approximately two seconds when sufficient light has reached subject for proper automatic exposure

Synchronization: X sync. unit usable with cameras equipped with hot shoe only

Power Source: 8 "AA" alkaline-manganese or NiCd batteries



5-00271-31 Speedlite 133D w/Flash Auto Ring A2 (for FD 50mm f1.8 S.C., FD 35mm f3.5 S.C., FD 35mm f2 S.S.C.)

5-00271-32 Speedlite 133D w/Flash Auto Ring B2 (for FD 50mm f1.4 S.S.C., FD 35mm f3.5 S.C., FD 35mm f2 S.S.C.)

5-02124-00 Flash Auto Ring A2 (for FD 50mm f1.8 S.C., FD 35mm f3.5 S.C., FD 35mm f2 S.S.C.)

5-02125-00 Flash Auto Ring B2 (for FD 50mm f1.4 S.S.C., FD 35mm f3.5 S.C., FD 35mm f2 S.S.C.)

The Canon Speedlite 133D is a special, automatic flash unit designed for use with Canon F-1, EF and FTb camera models and certain lenses comprising the Canon Auto Tuning (CAT) system for flash photography. By attaching the appropriate Flash Auto Ring (A2 or B2) to the camera lens, camera-to-subject distance as measured by the focusing ring is transmitted to the meter needle of the camera and proper lens aperture is selected in the same manner as in daylight photography.

KEY FEATURES:

- Canon Auto Tuning (CAT) System provides exposure information comparable to daylight shooting situations
- "CAT" system uses actual flash-to-subject distance for exposure determination and cannot be fooled by very light objects in foreground or dark background areas

SPECIFICATIONS:

Type: Direct-coupled, clip-on type CAT System

Guide Number: 18 meters (60 feet) at ASA 100. For both monochrome and color

Color Temperature: 6000°K. Correction with green filter

Flash Beam Angle: 55° vertical and horizontal

Flashing Intervals: When using new batteries:

Manganese battery: Approx. 7 seconds

Alkaline battery: Approx. 5 seconds

Flashing Time: 1/1000 sec.

Number of Flashing:

Manganese battery: Approx. 80 times

Alkaline battery: Approx. 300 times

Power Source: 4 penlight batteries

Pilot Lamp: Built in. Commonly used for battery checking button

Contacts: Direct coupled type synchronizing contact, automatic flash control contact, socket for connecting to Flash-Auto Ring

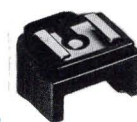
Size: 90 x 74 x 35mm

Weight: 170g



5-02131-01 Flash Coupler L

The Flash Coupler L is for using the CAT system with the F-1. It incorporates an accessory shoe, and has a unique, built-in light for illuminating exposure information. It also has a built-in flash hot shoe for use with conventional flash units.



5-02111-00 Flash Coupler D

The Flash Coupler D is a simple accessory which accepts conventional hot shoe electronic or standard flash accessories. Only for use with the F-1 camera.

"A" SERIES ACCESSORIES

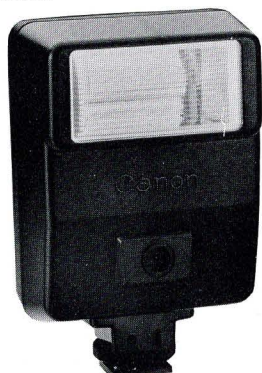


★ **C51-9331-001**
Power Winder A in case
 ★ **C58-5411-011**
Battery Pack A

The Power Winder A is a compact motorized film advance that attaches to either the AE-1 or AT-1 via tripod socket. In use, it will advance the film automatically and cock the shutter after every shot or make sequences at up to two frames-per-second when the shutter release is held down, at speeds of 1/60 sec. or higher.

Because of its simplicity, the Power Winder A is quite rugged and dependable. It gives extended use with 4 AA power cells. The Battery Pack A is included with the basic Power Winder A, and is also available as an accessory—in cold weather it may be carried loaded with batteries in a coat pocket to preserve power.

A red LED on the Power Winder A signals when the film end has been reached or when the batteries in the Power Winder A are losing power.



★ **C50-0311-201**
Speedlite 155A Set w/case
 ★ **C50-1411-001**
Synchro Cord A

The Speedlite 155A was specifically designed to work uniquely with the Canon AE-1 and AT-1, but is also capable of being used with any "hot shoe" or PC flash contact camera, rangefinder or SLR.

Basically it is an automatic electronic flash with energy-saving thyristor circuitry to shorten recycling times and extend battery life when used in the automatic mode. It offers three operating modes: a choice of two apertures and distance ranges on automatic, and manual function.

When used with the AE-1 camera, the Speedlite 155A sets both aperture and shutter speed as soon as the ready light goes on, when used in either auto mode. Should the user shoot before the ready light goes on, the AE-1 automatically switches to the normal auto exposure mode.

When used with the AT-1, the Speedlite 155A sets shutter speed, regardless of the speed set on the camera's dial. The user then simply selects the proper aperture as indicated by the calculator dial on the Speedlite.

For use with conventional cameras, the optional accessory Synchro Cord A will make a connection between the Speedlite 155A and camera (where no hot shoe exists).



★ **C51-9351-001**
Data Back A

The backs of both the AE-1 and AT-1 are completely removable and readily interchangeable with the Data Back A, an accessory that can be used to record the date or certain codes the user may develop himself.

Data may be imprinted as the user shoots, afterwards or the unit may be switched off entirely. Three different LED film-exposure settings are provided: B.W. (black-and-white), Color 1 (ASA 64-160 color films) and Color 2 (ASA 25-50 color films). Thanks to the extremely low power drain with this unit, more than 8,000 exposures are possible from one battery.

Connection to the AE-1 and AT-1 cameras is made via cord attaching to the cameras' PC socket.



C46-0994
Action Case

The Action Case is a special "everready" type case that fits either the AE-1 or AT-1 with Power Winder A attached. Thanks to its unique design, the Action Case does not have to be removed either to change film or batteries in the Power Winder A. Use of the Action Case is highly recommended for its shock protection as well as for the extra insulation it gives the Power Winder A batteries in cold weather operation.



★ **4-10000-S1**
Compartment Case A deluxe

This case will accept either the AE-1 or AT-1 with Power Winder A (either attached or separate), Speedlite 155A and assorted lenses and accessories. Inside, foam blocks are pre-cut and can be removed or left in place as needed, providing excellent protection for the camera equipment while traveling. The case is very comfortable and compact, thanks to its thin styling. Its strap is adjustable for either hand carrying or over-the-shoulder use.

★ **CA4-0301**
Tripod Adapter A

The Tripod Adapter A may be used with either the AE-1 or AT-1 for tripod mounting to afford extra security and protection to the camera finish. It is included with each camera, and available separately as an accessory or spare.

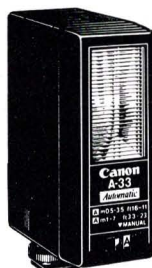
Canon Electronic Flash for All SLR's

This new line of Canon electronic flash units is designed for use with any cameras using either "hot shoe" type connections or with PC sockets and synchronization for electronic flash. For the first time, Canon quality is available in electronic flash for your customers who want the best per-

formance they can buy. These units are rated quite conservatively. Rather than giving output for fresh units with freshly-charged batteries, they are rated with Canon CERTIFIED performance figures, which give the actual performance of the units under realistic working conditions.

This means that the user will get all the light he has bargained for.

If your customer has a need for high-quality flash capability, he'll find the quality he's looking for in a Canon automatic electronic flash unit.



C50-0331-211
Canon A-33
Automatic Flash
Set

The A-33 is an auto flash unit that is ideally suited to a number of applications. It's perfect as a super-compact gadget bag flash for traveling or at home, for any photographic occasion.

For perfect results, the user simply mounts the flash, selects one of two apertures for automatic operation and shoots. Working in the automatic mode, within the indicated distance ranges for the apertures indicated, flash exposures will be perfect every time. The A-33 can work with any camera having a hot shoe or PC contact for electronic flash. Its moderate price, economy of operation and versatility make it an excellent choice for a wide range of photographers.

SPECIFICATIONS

Type: Automatic, electronic

Guide Number: 33 (ft., ASA 25); 20 (m, ASA 100)

Recycling Time: 6 seconds on Alkaline cells; 2 seconds on NiCd cells

Number of Flashes: 250 on alkaline cells; 80 on NiCd cells

Aperture Selection: (AUTO) f1.4, f2.8 (ASA 25); f2.8, f5.6 (ASA 100)

Auto/Manual Switch: allows cancelling of automatic aperture (red/green positions) control and switch-over to manual setting of the aperture according to the calculator dial

Effective Distance Range: (AUTO) 3.3 ft. (1m)—23 ft. (7m) RED scale; 1.6 ft. (0.5m)—11 ft. (3.5m) GREEN scale

Flash Coverage Angle: more than 45° vertically; more than 60° horizontally (35mm Lens)

Power Source: Four AA size batteries (Alkaline or NiCd)

ASA Film Speed: ASA 25 to ASA 800

Aperture Scale: f1 to f32

Distance Scale: 1.5 ft. (1m) to 23 ft. (7m)

Size: 1 5/8" W x 3 3/4" D x 4 1/4" H; (36mm W x 79mm D x 107mm H)

Weight: 10 oz. (285g) (including batteries)

Accessories: Case; Synchro Cord D; Battery Magazine D



C50-0341-211
Canon AB-46
Automatic Flash
Set

This medium-power automatic flash will be a very popular choice for a large segment of more sophisticated photographers who require high flexibility in a compact unit. Its greater power gives the user extended operating range and its energy-saving circuitry makes batteries really last and recycling times short at near distances on "auto."

Bounce flash is simple with the AB-46. The head rotates upward in two steps (60° and 75°) making soft lighting a snap. For wide-angle flash with lenses as short as 28mm, the accessory Wide Adapter AB-46 makes the AB-46 a flash unit that's ideal for large groups or interiors.

SPECIFICATIONS

Type: Automatic energy-saving electronic with bounce

Guide Number: 46 (ft., ASA 25); 28 (m, ASA 100); 33 (ft., ASA 25); 20 (m, ASA 100) with Wide Adapter AB-46

Recycling Time: MANUAL—(9 sec., Alkaline cells); (5 sec., NiCd cells); AUTO—(0.35-9 sec. Alkaline cells); (0.35-5 sec. NiCd cells)

Number of Flashes: MANUAL—250 (Alkaline); 80 (NiCd); AUTO—120-1200 (Alkaline); 60-600 (NiCd)

Aperture Selection: (AUTO) f1.4, f2.8 (ASA 25); f2.8, f5.6 (ASA 100)

Auto/Manual Switch: allows cancelling of automatic aperture (red/green positions) control and switch-over to manual setting of the aperture according to the calculator dial

Effective Distance Range: (AUTO) 3.3 ft. (1m)—33 ft. (10m) RED scale; 1.6 ft. (0.5m)—16 ft. (5m) GREEN scale

Flash Coverage Angle: more than 45° vertically; more than 60° horizontally; more than 53° vertically; more than 70° horizontally with Wide Adapter AB-46 (28mm Lens)

Power Source: Four size AA batteries (Alkaline or NiCd)

ASA Film Speed: ASA 25 to ASA 800

Aperture Scale: f1 to f32

Distance Scale: 1.5 ft. (0.5m) to 50 ft. (20m)

Size: 3" W x 1 1/2" D x 5 5/8" H; (75mm W x 40mm D x 141mm H)

Weight: 13 oz. (380g) (including batteries)

Accessories: Case; Synchro Cord D; Battery Magazine D; Wide Adapter AB-46



C50-0351-211
Canon AB-56
Automatic Flash
Set

The most powerful of the Canon Automatic Electronic flash units, the AB-56 offers a choice of three operating ranges on automatic, two position bounce (60° and 75°) for softer lighting and may be used with lenses as wide as 28mm when the Wide-Adapter AB-56 is in position.

A further refinement of the AB-56 is its removable automatic light sensor. With the Sensor Adapter AB-56 and the sensor removed from the AB-56, the user has near-studio flash versatility—that will fit into a gadget bag.

SPECIFICATIONS

Type: Automatic energy-saving electronic with bounce and removable sensor

Guide Number: 56 (ft., ASA 25); 34 (m, ASA 100); 40 (ft., ASA 25); 24 (m, ASA 100) with Wide Adapter AB-56

Recycling Time: MANUAL—(11 sec., Alkaline cells); (6 sec., NiCd cells); AUTO—(0.5-11 sec., Alkaline cells); (0.5-6 sec. NiCd cells)

Number of Flashes: MANUAL—100 (Alkaline); 50 (NiCd); AUTO—100-1000 (Alkaline); 50-500 (NiCd)

Aperture Selection: (AUTO) f1.4, f2.8, f5.6 (ASA 25); f2.8, f5.6, f11 (ASA 100)

Auto/Manual Switch: allows cancelling of automatic aperture (red/green/blue positions) control and switch-over to manual setting of the aperture according to the calculator dial

Effective Distance Range: (AUTO) 5 ft. (1.5m)—40 ft. (12m) RED scale; 3.3 ft. (1m)—20 ft. (6m) GREEN scale; 1.6 ft. (0.5m)—16 ft. (3m) BLUE scale

Flash Coverage Angle: more than 45° vertically; more than 60° horizontally; more than 53° vertically; more than 70° horizontally with Wide Adapter AB-56 (28mm Lens)

Power Source: Four size AA batteries (Alkaline or NiCd) and AC

ASA Film Speed: ASA 25 to ASA 800

Aperture Scale: f1 to f32

Distance Scale: 1.5 ft. (0.5m) to 50 ft. (20m)

Size: 3 1/4" W x 2" D x 5 7/8" H (80mm W x 52mm D x 146mm H)

Weight: 15 oz. (425g) (including batteries)

Accessories: Case; Synchro Cord D; Battery Magazine D; Wide Adapter AB-56; Optional Sensor Adapter AB-56

C50-1461-001 Sensor Adapter for AB-56 Automatic Flash Unit

This accessory may be used in conjunction with the AB-56 to facilitate automatic operation when the flash unit itself is not mounted on the camera (such as when using a flash bracket).

Note: All flash performance figures are Canon CERTIFIED figures which represent the actual performance of the unit under realistic working conditions.

Subject to change without notice.

SG3-A10

Canon Filters for Most Cameras

CANON FILTERS AND CLOSE-UP LENSES

Canon's fine line of precision filters has been broadened and improved, featuring standard Wratten designations, universal sizes (for SLR's of other manufacture) and more styles. Now, for the first time, your customer can get Canon quality in filters—at an exceptional value.

Canon filters are made from the finest optical and mechanical materials. A poorly made filter can either impair some of all of the optical quality of a good lens or actually stick to the lens itself, due to poor manufacturing tolerance or incorrect thread pitch.

Canon filters marked (*) are for black-and-white photography, those marked (**) are for color photography and those with no mark are useful for either.

The Softmat filter is available in two grades, for two degrees of softness. Softness (diffusion) achieved by a filter, rather than in printing, has a glowing, unusual quality that is excellent for portraiture or pictorial subjects.

Canon Close-Up Lenses are extremely fine accessories for extending the range of any Canon lens that is used in conjunction with through-the-lens viewing and focusing (SLR's and Super 8's).

Please note that the Close-Up Lenses designated C-8 are specifically designed for use with Canon Super 8 cameras. Their mounts are thin, to prevent vignetting at the wide-angle setting of the Super 8 zoom lenses.

FILTERS AND THEIR EFFECTS

***HAZE (UV-1):** Reduces excess UV contrast loss in haze, marine and mountain scenes.

***YELLOW 2:** Used with Black and White films for better tone separation in sky, foreground and overall contrast. Can be used for monochromatic effects with color films.

***GREEN 11:** Used with Black and White Pan films—ideal for outdoor portraits against sky. Renders good tone separation in foliage and natural sky appearance. Can be used for special night effects with Infra-Red color film.

***ORANGE 15:** Use with all Black and White films. Ideal for portraits of people with poor skin complexions when using Pan films. Excellent for greater contrast in copywork.

***RED 25A:** Heavy contrast effects for architectural subjects with Pan film, used with black and white Infra-Red film for high contrast results. Excellent for cutting through aerial haze.

****SKY 1A:** Used outdoors to reduce blue in shade areas, good protection for lens.

****80A:** Conversion of daylight color films to 3200° Kelvin tungsten lights, quartz (or professional floods).

****80B:** Conversion of daylight color films to 3400° Kelvin tungsten light (photo-floods).

****81A:** Use with daylight color films to balance and reduce excessive blue from electronic flash. Use outdoors to prevent excessive blue in open shade and for added warmth. Corrects type B films for use with 3400°K lamps.

****81B:** For increased correction of the bluish cast caused by most electronic flash units. Renders warmer results than the 81A filter.

****85:** Converts Type A color films for daylight use. Used with Daylight color films, produces vibrant sunsets and adds warmth to fall-foliage scenes.

****85B:** Converts Type B color films for outdoor daylight use. Also renders warmer effects than the #85 filter.

0.3ND: Use with all films for uniform reduction of light. Ideal for control of High-Speed films by reducing the intensity of the light transmitted without changing the color quality of the light. Also ideal for special effects where "Stop-Action" or a blurred background is desired. Allows 50% light transmission.

0.6ND: Same as above. Allows 25% light transmission.

****CCA4:** This yellowish color balancing filter is like the Wratten #81C. It is useful for using clear (aluminum) flash bulbs with Type B or Type A films.

****CCA8:** This is an amber conversion filter, similar to Wratten #85C. It is for using film balanced for 3800°K lighting outdoors.

****CCA12:** Another amber color conversion filter, the CCA12 is similar to the Wratten #85. It is for use with Type A color film (for 3400°K tungsten lights) outdoors in daylight.

****CCB4:** This bluish balancing filter, similar to Wratten #82C, is for using Type B film with incandescent lighting equivalent to a 75-watt household bulb and for using Type A film with incandescent lighting equivalent to a 200-watt household bulb.

****CCB8:** A blue conversion filter, the CCB8 is like the Wratten #80C and is used when daylight-balanced color film is used with clear, aluminum-foil flashbulbs.

****CCB12:** This blue color conversion filter is like the Wratten #80B, for use when daylight color film is to be exposed under 3400°K incandescent lighting.

ND4: This neutral density filter reduces the intensity of the light reaching the film by 2 f-stops. Highly useful when using high speed films in bright lighting or for using a wider aperture for less depth-of-field.

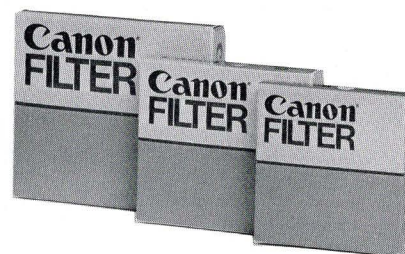
ND8: Identical in its effect to the ND4, except decreases light transmission by 3 f-stops. Neither ND filter affects color rendition.

SPECIAL FILTERS

POLARIZER: Use for better color saturation, greater contrast between clouds and sky. Eliminates reflections (except metals) outdoors and indoors (when lighting is polarized). Can be used in combination with other color filters for special effects.

FCB: Use with Type B color films to correct the blue-green cast caused by fluorescent lighting.

FCD: Use with all Daylight color films to correct the blue-green cast caused by fluorescent lighting.



*For use with black-and-white films.

**For use with color films.

No Mark: For use with either color or black-and-white films.

CAUTION: When using the polarizer on the Canon F-1 or FTb cameras, or any SLR having a beam-splitter in the viewfinder system, the direct read-out can be in error.

To eliminate the beam-splitter effect with the polarizer, the user should take a reading without the filter, then apply the exposure correction recommended in the polarizer instructions.

FILTERS

	43mm	48mm	49mm	52mm	55mm	58mm	72mm
Filters							
HAZE (UV-1)	4-34361-00	7-4801	7-4901	7-5201	7-5501	7-5801	7-7201
YELLOW 2		7-4802	7-4902	7-5202	7-5502	7-5802	7-7202
GREEN 11		7-4804	7-4904	7-5204	7-5504	7-5804	7-7204
ORANGE 15		7-4805	7-4905	7-5205	7-5505	7-5805	7-7205
RED 25A		7-4806	7-4906	7-5206	7-5506	7-5806	7-7206
SKY 1A	4-34371-00	7-4807	7-4907	7-5207	7-5507	7-5807	7-7207
80A			7-4909	7-5209	7-5509	7-5809	7-7209
80B			7-4910	7-5210	7-5510	7-5810	7-7210
81A			7-4912	7-5212	7-5512	7-5812	7-7212
81B			7-4913	7-5213	7-5513	7-5813	7-7213
85			7-4918	7-5218	7-5518	7-5818	7-7218
85B			7-4919	7-5219	7-5519	7-5819	7-7219
0.3ND			7-4921	7-5221	7-5521	7-5821	7-7221
0.6ND			7-4922	7-5222	7-5522	7-5822	7-7222
CCA4	4-34372-00						
CCA8	4-34373-00						
CCA12	4-34374-00						
CCB4	4-34375-00						
CCB8	4-34376-00						
CCB12	4-34377-00						
ND4	4-34382-00						
ND8	4-34383-00						
Special Filters							
Polarizer		7-4808	7-4908	7-5208	7-5508	7-5808	7-7208
FCB			7-4924	7-5224	7-5524	7-5824	7-7224
FCD			7-4925	7-5225	7-5525	7-5825	7-7225
Softmat Filter							
No. 1		4-34885-00			4-35585-00	4-35885-00	
No. 2		4-34886-00			4-35586-00	4-35886-00	
Close-up Lens							
450		5-43251-01			5-43571-00	5-43231-01	
240		5-43331-01			5-43561-00	5-43241-01	
C-8 450		5-43252-00				5-43233-00	
C-8 240		5-43332-00				5-43242-00	

DISCONTINUED FILTERS

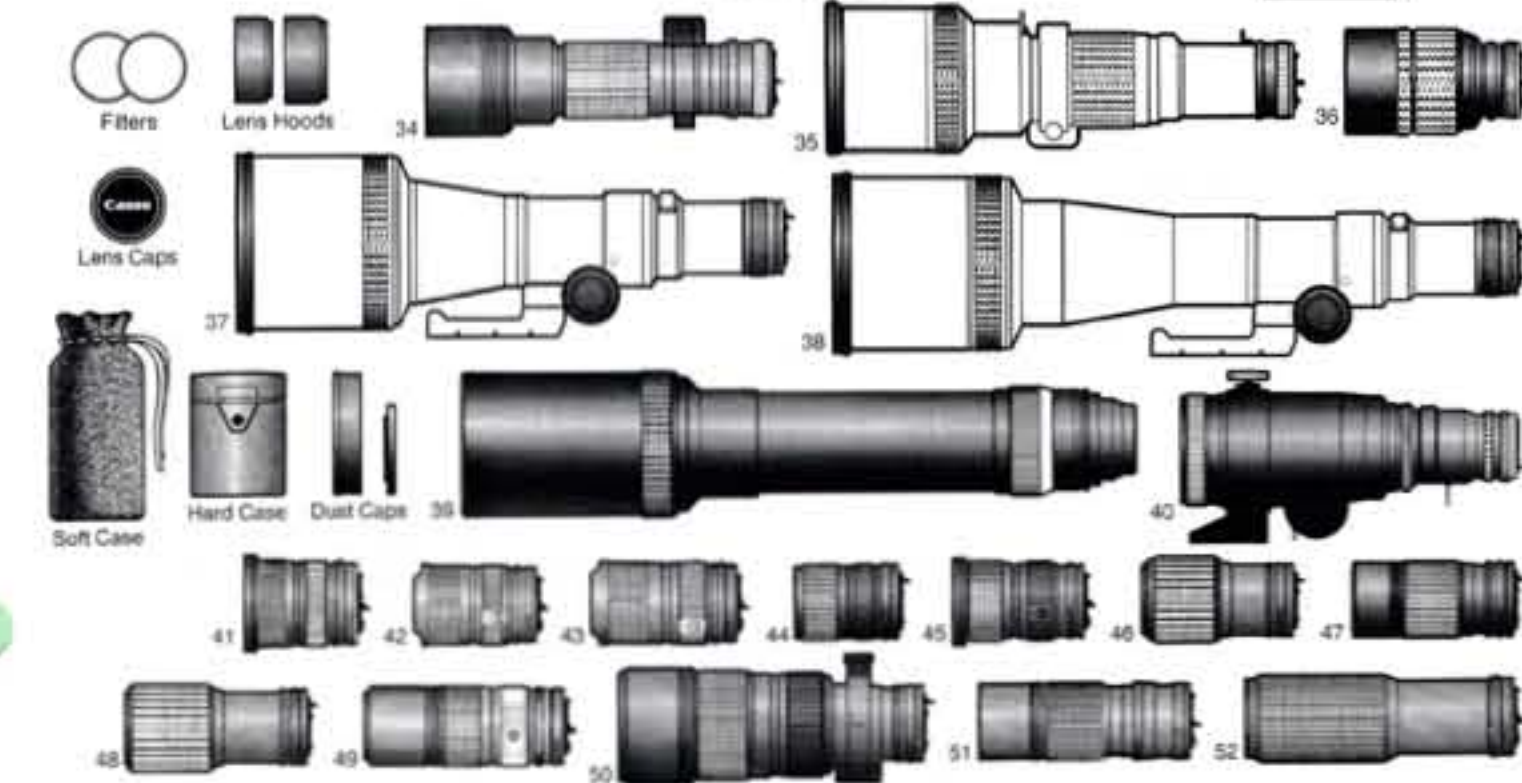
The following filters have been discontinued, and are included here for your reference.

Filters	34mm	62mm	Series 9	95mm
UV	28-0501	4-36261-00	4-39021-01	
Y3	28-0503	4-36264-00	4-39023-01	4-39564-00
O1				4-39565-00
R1	28-0502	4-36266-00	4-39025-01	4-39566-00
Skylight		4-36271-00	4-39029-01	4-39571-00
CCA4			4-39042-01	
CCA8			4-39043-01	
CCA12		4-36274-00	4-39027-01	4-39574-00
CCB4			4-39044-01	4-39575-00
CCB8			4-39045-01	
CCB12		4-36277-00	4-39028-01	
ND4	28-0504	4-36282-00	4-39030-01	
ND8		4-36283-00	4-39031-01	

System Chart for F-1

1. Interchangeable Lenses

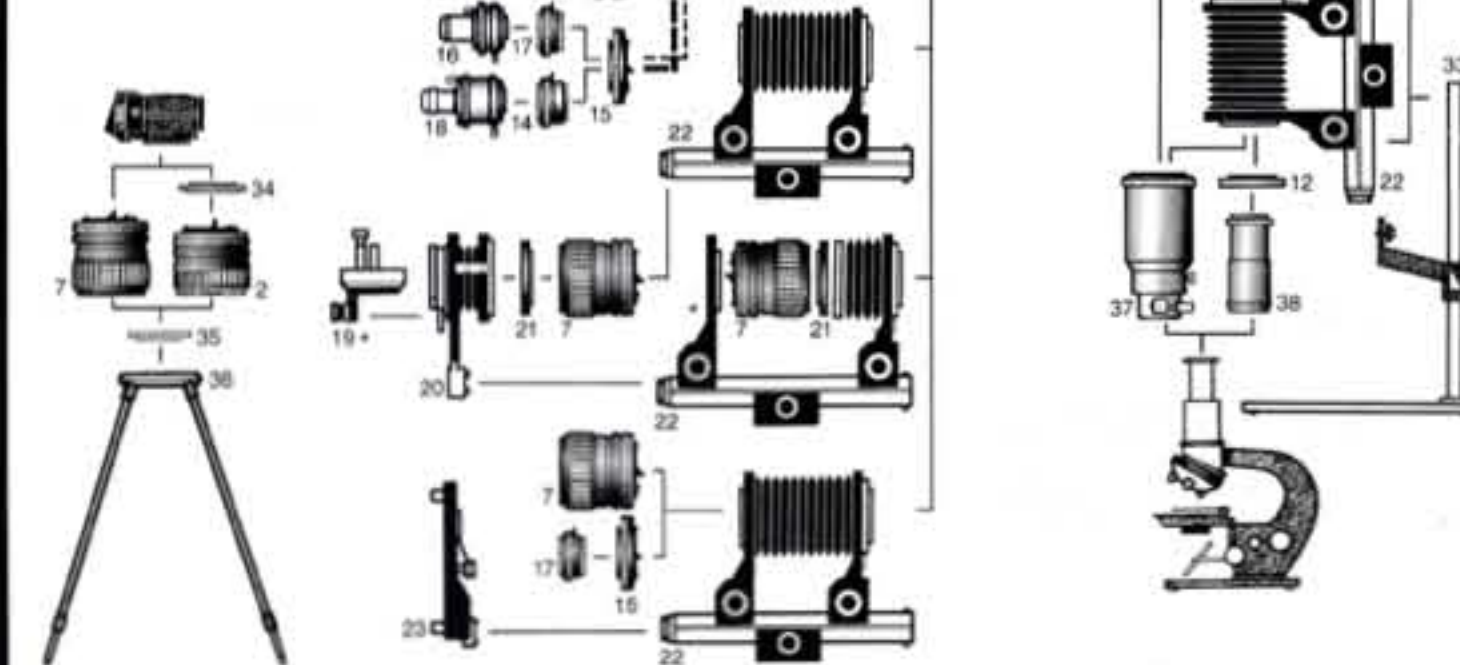
1. New Fish-eye 7.5mm f5.6
2. New Fish-eye FD 15mm f2.8
3. New FD 17mm f4.0
4. New FD 20mm f2.8
5. New FD 24mm f1.4L
6. New FD 24mm f2.0
7. New FD 24mm f2.8
8. New FD 28mm f2.0
9. New FD 28mm f2.8
10. New FD 35mm f2.0
11. New FD 35mm f2.8
12. TS 35mm f2.8 S.S.C.
13. New FD 50mm f1.2L
14. New FD 50mm f1.2
15. New FD 50mm f1.4
16. New FD 50mm f1.8
17. New FD 50mm f3.5 Macro w/Extension Tube FD 25U
18. FD 50mm f1.2 S.S.C. ASPHERICAL
19. New FD 85mm f1.2L
20. New FD 85mm f1.8
21. New FD 100mm f2.0
22. New FD 100mm f2.8
23. New FD 100mm f4.0 Macro w/Extension Tube FD 50U
24. New FD 135mm f2.0
25. New FD 135mm f2.8
26. New FD 135mm f3.5
27. New FD 200mm f2.8
28. New FD 200mm f4.0
29. New FD 300mm f2.8 L
30. New FD 300mm f4.0 L
31. New FD 300mm f4.0
32. New FD 300mm f5.6
33. New FD 400mm f2.8L
34. FD 400mm f4.5 S.S.C.
35. FD 500mm f4.5 L
36. New Reflex 500mm f8.0
37. New FD 600mm f4.5
38. New FD 800mm f5.6 L
39. FL 1200mm f11 S.S.C.
40. w/Focusing Unit



2. Macrophoto and Close-up Accessories

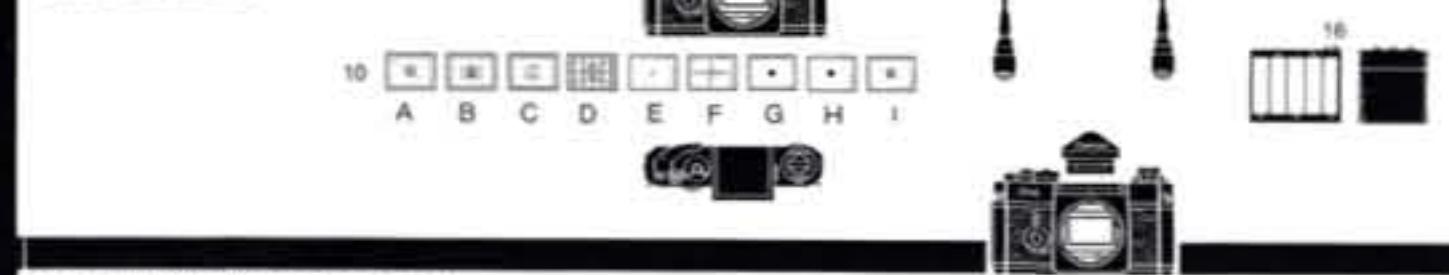
1. Close-up Lens 450,240
2. New FD 50mm f1.4
3. Extension Tube FD 15-U, FD 25-U, FD 50-U
4. Extension Tube M Set (5mm, 10mm, 20mm, and 30mm)
5. Macro Auto Ring
6. Bellows FL
7. New FD 50mm f3.5 Macro
8. Macro Hood
9. Macrophoto Coupler FL 52
10. Lens Mount Converter B
11. Screw-type Extension Tube
12. Lens Mount Converter A
13. Macrophoto Coupler 52mm
14. Macrophoto Lens 35mm f2.8
15. Macrophoto Lens Adapter
16. Duplicator 8
17. Macrophoto Lens 20mm f3.5
18. Duplicator 16
19. Roll Film Stage
20. Duplicator 35
21. Attachment Ring
22. Auto Bellows
23. Macro Stage
24. Double Cable Release
25. Release 50
26. Release 30
27. Magnifier
28. Angle Finder A2
29. Adapter S
30. Angle Finder B
31. Camera Holder F
32. Focusing Rail
33. Copy Stand 4
34. Extension Tube M5
35. F Ring 52mm
36. Handy Stand F
37. Photomicro Unit F
38. Microphoto Hood

*This combination requires the use of the Double Cable Release for automatic diaphragm coupling.



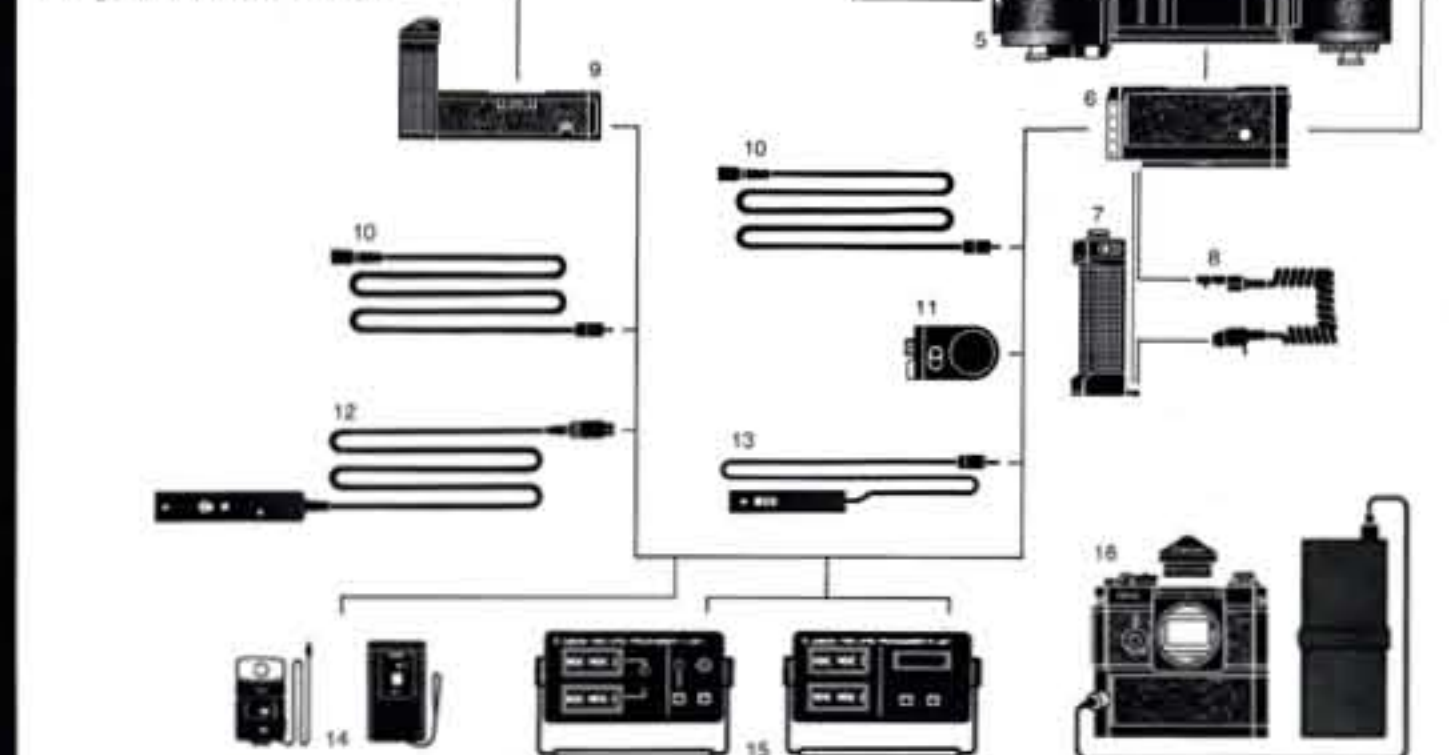
3. Viewfinders & Viewfinder Accessories

1. Dioptic Adjustment Lenses R
2. Eye Cup 3R
3. Angle Finder A2
4. Angle Finder B
5. Magnifier R
6. Waist-Level Finder
7. Speed Finder
8. Eye-Level Finder
9. Booster T Finder
10. Focusing Screen A, B, C, D, E, F, G, H, I
11. Cord 6V 2B
12. Servo EE Finder
13. Cord 12V 2E
14. Battery Case
15. Battery Magazine 12V
16. Battery Magazine 15V
17. Finder Illuminator F



4. Equipment for Motorized Photography

1. Servo EE Finder
2. Connecting Cord MF
3. Film Loader 250
4. Film Magazine 250
5. Film Chamber 250
6. Motor Drive MF
7. Grip MF
8. Connecting Cord for Grip MF
9. Power Winder F
10. Extension Cord E 1000
11. Interval Timer L
12. Remote Switch 3 or 60
13. Remote Switch 60 MF
14. Wireless Controller LC-1
15. Time Lapse Programmers
16. High Speed Motor Drive Camera



5. Flash Accessories

1. Speedlite 577G
2. Speedlite 533G
3. Speedlite 199A
4. Speedlite 177A
5. Speedlite 155A
6. Speedlite 133A
7. Speedlite 133D
8. Flash-Auto Ring A2
9. Flash-Auto Ring B2
10. Flash Coupler D
11. Flash Coupler L
12. Flash Coupler F
13. Macrolite ML-1



6. Data Back F

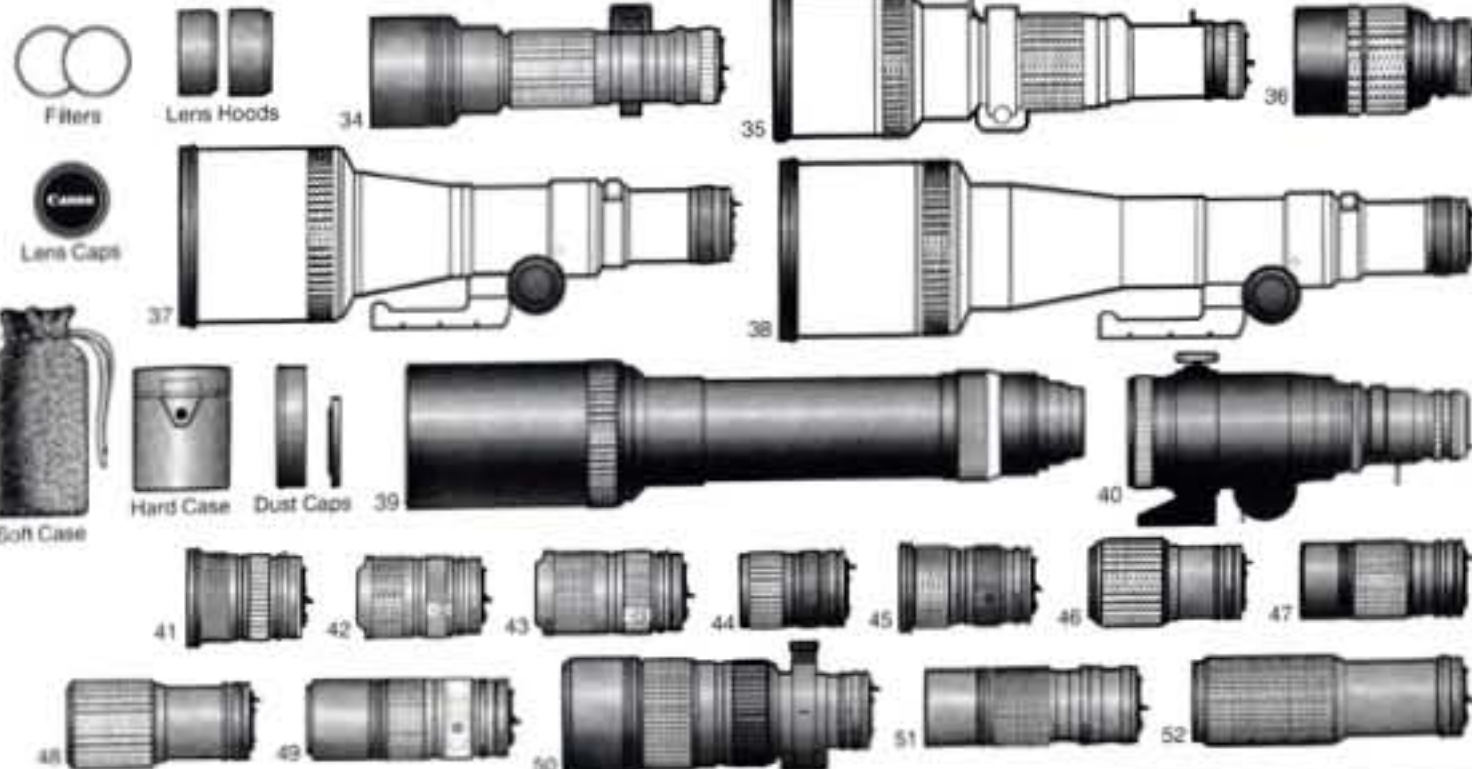


System Chart for Older Canon SLR Models

1. Interchangeable Lenses

1. New Fish-eye 7.5mm f5.6
2. New Fish-eye FD 15mm f2.8
3. New FD 17mm f4.0
4. New FD 20mm f2.8
5. New FD 24mm f1.4L
6. New FD 24mm f2.0
7. New FD 24mm f2.8
8. New FD 28mm f2.0
9. New FD 28mm f2.8
10. New FD 35mm f2.0
11. New FD 35mm f2.8
12. TS 35mm f2.8 S.S.C.
13. New FD 50mm f1.2L
14. New FD 50mm f1.2
15. New FD 50mm f1.4
16. New FD 50mm f1.8
17. New FD 50mm f3.5 Macro w/Extension Tube FD 25U
18. FD 55mm f1.2 S.S.C. ASPHERICAL
19. New FD 85mm f1.2L
20. New FD 85mm f1.8
21. New FD 100mm f2.0
22. New FD 100mm f2.8
23. New FD 100mm f4.0 Macro w/Extension Tube FD 50U
24. New FD 135mm f2.0
25. New FD 135mm f2.8
26. New FD 135mm f3.5
27. New FD 200mm f2.8
28. New FD 200mm f4.0
29. New FD 300mm f2.8 L
30. New FD 300mm f4.0 L
31. New FD 300mm f4.0
32. New FD 300mm f5.6
33. New FD 400mm f2.8L
34. FD 400mm f4.5 S.S.C.
35. FD 500mm f4.5 L
36. New Reflex 500mm f8.0
37. New FD 600mm f4.5
38. New FD 800mm f5.6 L
39. FL 1200mm f11 S.S.C.
40. w/Focusing Unit
41. New FD 24-35mm f3.5 L
42. New FD 28-50mm f3.5
43. New FD 35-70mm f2.8-4.5
44. New FD 35-70mm f4.0
45. New FD 35-105mm f3.5
46. New FD 50-135mm f3.5
47. New FD 70-150mm f4.5
48. New FD 70-210mm f4.0
49. New FD 80-200mm f4.0
50. New FD 85-300mm f4.5
51. New FD 100-200mm f5.6
52. New FD 100-300mm f5.6
53. Extender FD 2X Type A
54. Extender FD 2X Type B
55. Extender FD 1.4 Type A

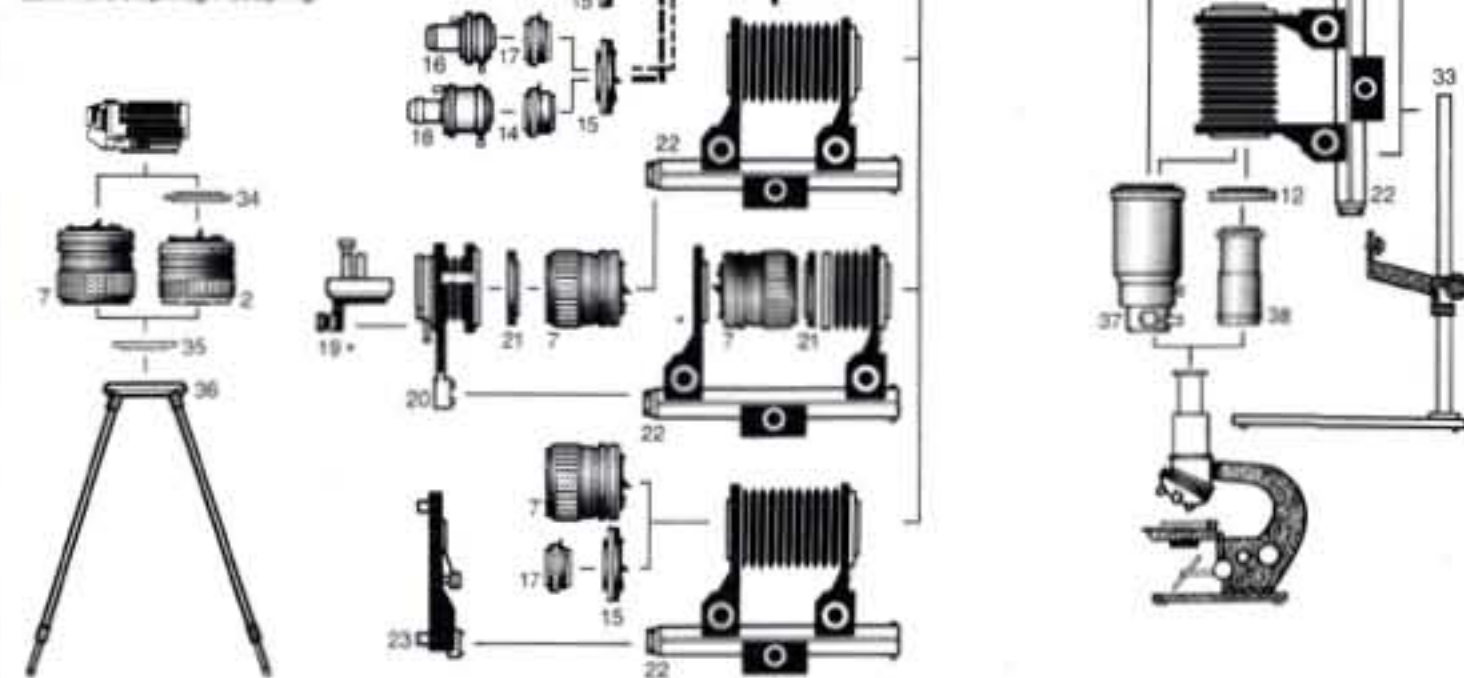
*Available in the near future.



2. Macrophoto and Close-up Accessories

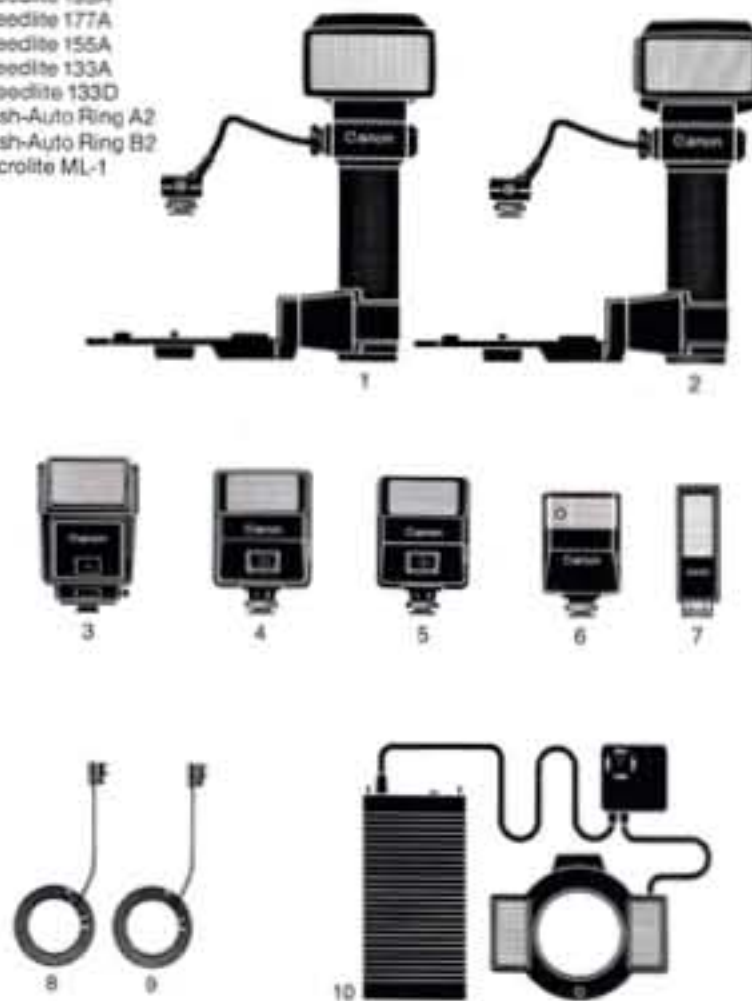
1. Close-up Lens 450.240
2. New FD 50mm f1.4
3. Extension Tube FD 15-U, FD 25-U, FD 50-U
4. Extension Tube M Set (5mm, 10mm, 20mm, and 20mm)
5. Macro Auto Ring
6. Bellows FL
7. New FD 50mm f3.5 Macro
8. Macro Hood
9. Macrophoto Coupler FL 52
10. Lens Mount Converter B
11. Screw-type Extension Tube
12. Lens Mount Converter A
13. Macrophoto Coupler 52mm
14. Macrophoto Lens Adapter
15. Macrophoto Lens Adapter
16. Duplicator 8
17. Macrophoto Lens 20mm f3.5
18. Duplicator 16
19. Roll Film Stage
20. Duplicator 35
21. Attachment Ring
22. Auto Bellows
23. Macro Stage
24. Double Cable Release
25. Release 50
26. Release 30
27. Magnifier
28. Angle Finder A2
29. Adapter S
30. Angle Finder B
31. Camera Holder F
32. Focusing Rail
33. Copy Stand 4
34. Extension Tube M5
35. F Ring 52mm
36. Handy Stand F
37. Photomicro Unit F
38. Microphoto Hood

*This combination requires the use of the Double Cable Release for automatic diaphragm coupling.



Flash Accessories

1. Speedlite 577G
2. Speedlite 533G
3. Speedlite 199A
4. Speedlite 177A
5. Speedlite 155A
6. Speedlite 133A
7. Speedlite 133D
8. Flash-Auto Ring A2
9. Flash-Auto Ring B2
10. Macrolite ML-1

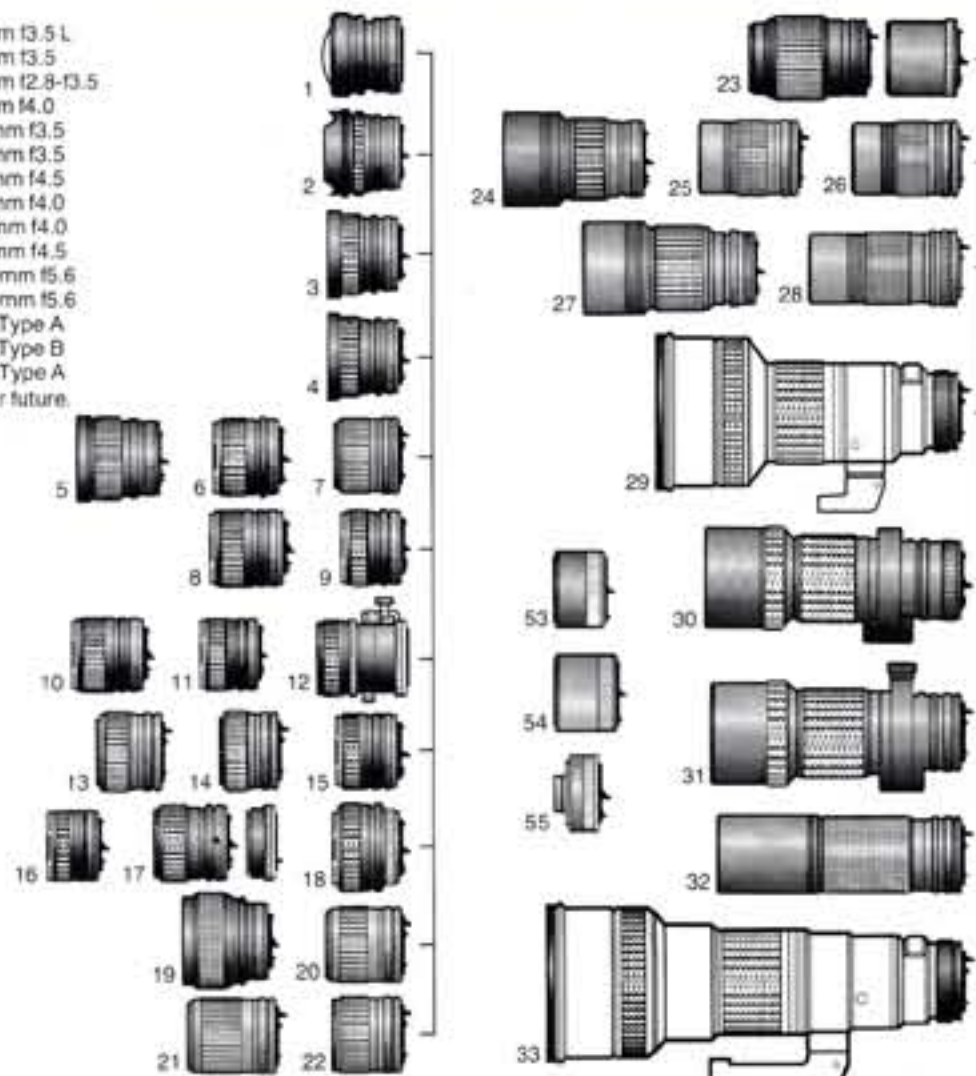


System Chart for Older Canon SLR Models

1. Interchangeable Lenses

1. New Fisheye 7.5mm f5.6
2. New Fisheye FD 15mm f2.8
3. New FD 17mm f4.0
4. New FD 20mm f2.8
5. New FD 24mm f1.4L
6. New FD 24mm f2.0
7. New FD 24mm f2.8
8. New FD 28mm f2.0
9. New FD 28mm f2.8
10. New FD 35mm f2.0
11. New FD 35mm f2.8
12. TS 35mm f2.8 S.S.C.
13. New FD 50mm f1.2L
14. New FD 50mm f1.2
15. New FD 50mm f1.4
16. New FD 50mm f1.8
17. New FD 50mm f3.5 Macro w/Extension Tube FD 25U
18. FD 55mm f1.2 S.S.C. ASPHERICAL
19. New FD 85mm f1.2L
20. New FD 85mm f1.8
21. New FD 100mm f2.0
22. New FD 100mm f2.8
23. New FD 100mm f4.0 Macro w/Extension Tube FD 50U
24. New FD 135mm f2.0
25. New FD 135mm f2.8
26. New FD 135mm f3.5
27. New FD 200mm f2.8
28. New FD 200mm f4.0
29. New FD 300mm f2.8 L
30. New FD 300mm f4.0 L
31. New FD 300mm f4.0
32. New FD 300mm f5.6
33. New FD 400mm f2.8 L
34. FD 400mm f4.5 S.S.C.
35. FD 500mm f4.5 L
36. New Reflex 500mm f8.0
37. New FD 600mm f4.5
38. New FD 800mm f5.6 L
39. FL 1200mm f11 S.S.C.
40. w/Focusing Unit
41. New FD 24-35mm f3.5 L
42. New FD 28-50mm f3.5
43. New FD 35-70mm f2.8-13.5
44. New FD 35-70mm f4.0
45. New FD 35-105mm f3.5
46. New FD 50-135mm f3.5
47. New FD 70-150mm f4.5
48. New FD 70-210mm f4.0
49. New FD 80-200mm f4.0
50. New FD 85-300mm f4.5
51. New FD 100-200mm f5.6
52. New FD 100-300mm f5.6
53. Extender FD 2X Type A
54. Extender FD 2X Type B
55. Extender FD 1.4 Type A

*Available in the near future.



Filters



Lens Caps



Soft Case

Lens Hoods



Lens Caps



Soft Case

Hard Case

Dust Caps

Soft Case

Hard Case

Dust Caps

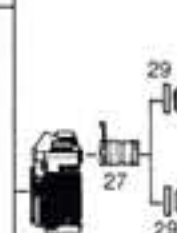
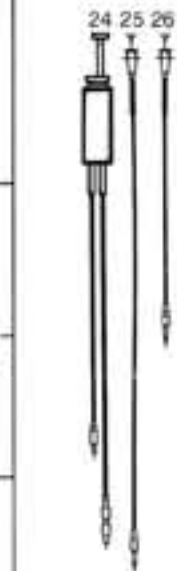
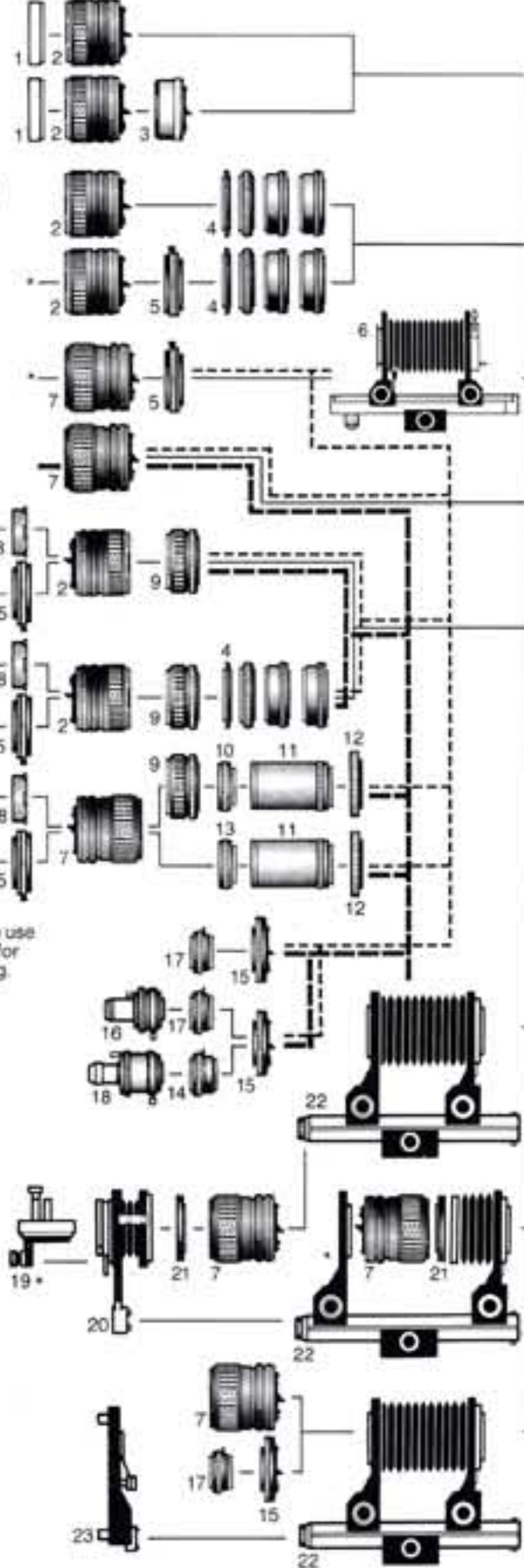
Soft Case

Hard Case

2. Macrophoto and Close-up Accessories

1. Close-up Lens 450,240
2. New FD 50mm f1.4
3. Extension Tube FD 15-U, FD 25-U, FD 50-U
4. Extension Tube M Set (5mm, 10mm, 20mm, and 20mm)
5. Macro Auto Ring
6. Bellows FL
7. New FD 50mm f3.5 Macro
8. Macro Hood
9. Macrophoto Coupler FL 52
10. Lens Mount Converter B
11. Screw-type Extension Tube
12. Lens Mount Converter A
13. Macrophoto Coupler 52mm
14. Macrophoto Lens 35mm f2.8
15. Macrophoto Lens Adapter
16. Duplicator 8
17. Macrophoto Lens 20mm f3.5
18. Duplicator 16
19. Roll Film Stage
20. Duplicator 35
21. Attachment Ring
22. Auto Bellows
23. Macro Stage
24. Double Cable Release
25. Release 50
26. Release 30
27. Magnifier
28. Angle Finder A2
29. Adapter S
30. Angle Finder B
31. Camera Holder F
32. Focusing Rail
33. Copy Stand 4
34. Extension Tube M5
35. F Ring 52mm
36. Handy Stand F
37. Photomicro Unit F
38. Microphoto Hood

*This combination requires the use of the Double Cable Release for automatic diaphragm coupling.



Canon EF



Canon FTb



Canon TX



Canon TLb



Flash Accessories

1. Speedlite 577G
2. Speedlite 533G
3. Speedlite 199A
4. Speedlite 177A
5. Speedlite 155A
6. Speedlite 133A
7. Speedlite 133D
8. Flash-Auto Ring A2
9. Flash-Auto Ring B2
10. Macrolite ML-1



Speedlite 577G



Speedlite 533G



Speedlite 199A



Speedlite 177A



Speedlite 155A



Speedlite 133A



Speedlite 133D



Flash-Auto Ring A2



Flash-Auto Ring B2



Macrolite ML-1



Camera Body Cap



Camera Holder

Straps



Straps



Straps

Straps

Straps

Straps

Straps

Straps

Straps

Straps

Straps

Straps

Compartment Case DL



Camera Case

